

May 5, 2010

TestAmerica Project Number: G0D080425

PO/Contract: 2027.1

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 8, 2010. These samples are associated with your Tronox LLC. Henderson project.

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

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

Sincerely,



DAVID R. ALLTUCKER
Project Manager

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TestAmerica West Sacramento Project Number G0D080425

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Samples: 18, 22, 28, 35, 47, 48, 50

Sample Data Sheets

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Case Narrative

TestAmerica West Sacramento Project Number G0D080425

SOLID, 8290, Dioxins/Furans

Samples: 18, 22, 28, 35, 47, 48, 50

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

The matrix spike/matrix spike duplicate (MS/MSD) associated with this extraction batch has recoveries outside the established control limits for 1,2,3,7,8,9-HxCDD. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control. This anomaly is most likely matrix related.

Samples: 35, 48, 50

Samples 35 and 48 required Confirmation (CON) analyses for 2,3,7,8-TCDF, which were performed April 24, 2010. Sample 50 also required a confirmation analysis for 2,3,7,8-TCDF, which was performed April 27, 2010.

Sample: 22

The internal standard recoveries for 13C-1,2,3,4,6,7,8-HpCDF and 13C-OCDD in the matrix spike duplicate associated with sample 22 is lower than the method recommended criteria. The 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.

The matrix spike duplicate (MSD) associated with this extraction batch has recoveries and/or precision outside the established control limits for 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, OCDF, and OCDD. Acceptable LCS data demonstrate that the analytical system is in control. This anomaly is most likely matrix related.

Sample: 35

Sample 35 exhibited elevated noise or matrix interferences for 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF requiring the detection limits to be raised appropriately. These analytes were flagged with the "G" qualifier.

Case Narrative

TestAmerica West Sacramento Project Number G0D080425

SOLID, 8290, Dioxins/Furans (continued)

Sample: 35

The concentrations of 2,3,7,8-TCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, OCDF, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,7,8,9-HpCDF 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.

Sample: 48

The bracketing continuing calibration standard analyzed April 24, 2010 at 1:03 has percent difference values for 13C-1,2,3,4,6,7,8-HpCDD that are between the method recommended criteria of 30% to 35% deviation from the initial calibration curve. Per method guidelines, an average relative response factor (0.87) is calculated from bracketing continuing calibration standards and is used to quantitate any the internal standard recovery in the associated samples. There is no impact on the data as a result of this anomaly.

Samples: 50

Sample 50 exhibited elevated noise or matrix interferences for 2,3,7,8-TCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 2,3,4,6,7,8-HxCDF, and 1,2,3,7,8,9-HxCDF requiring the detection limits to be raised appropriately. These analytes were flagged with the "G" qualifier.

The concentrations of several analytes in the sample 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.

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

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 G0D080425

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LXM7K	18	SSA06-02-1BPC	4/6/2010 13:30 PM	4/8/2010 09:15 AM
LXM7T	22	SSA06-02-5BPC	4/6/2010 14:10 PM	4/8/2010 09:15 AM
LXM73	28	RSAQ3-3BPC	4/6/2010 10:30 AM	4/8/2010 09:15 AM
LXM8R	35	SA169-3BPC	4/6/2010 13:15 PM	4/8/2010 09:15 AM
LX1XL	47	RSAQ3-3BPC_FD	4/6/2010 10:30 AM	4/8/2010 09:15 AM
LX1X4	48	SSA06-02-1BPC_FD	4/6/2010 01:20 PM	4/8/2010 09:15 AM
LX6LV	50	SSAJ8-01-3BPC	4/6/2010 03:15 PM	4/8/2010 09:15 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.

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:		Required Invoice Information:			Event Complete?			
Lab Name	Site ID #	Lab Name	Send Invoice to:	COC #	Total # of Samples:	Mark One		
Test America Laboratories Inc	102	TRONOX LLC, HENDERSON	Susan Crowley Tronox LLC.		-1			
Address: 880 Riverside Parkway	Project #	Address: PO Box 55		Regular	X	Rush		
West Sacramento, CA 95605	2027.01	Henderson, NV 89008	Phone #: (848) 260-9293					
City: Henderson	Site Address	City/State:						
State: NV	860 W Lake Mead Drive	PO #:						
Zip: 89008	City: Henderson	Send EDD to:	Frank.Hagan@ngem.com					
Site PM Name: Derrick Willis	Site PM Name:	CC Hardcopy report to:	PDF Electronic Version Only - FTP Upload					
Phone/Fax: (949) 373-6600	Phone/Fax: (949) 373-7004	CC Hardcopy report to:	See Additional Comments Below					
Lab PM email: David.Alluicio@westamericainc.com	Site PM Email: derrick.willis@ngem.com							
Applicable Lab Quote #:								
SAMPLE ID Samples ID MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G-RAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.
RSAX7-3BPC	RSAX7	SO	CA	Z	06/08/2016	12:10	1	
4BPC				Z		12:26	1	
5BPC				Z		10:50	1	HOLD
6BPC				Z		11:15	1	HOLD
7BPC				Z		11:25	1	HOLD
8BPC				Z		11:35	1	HOLD
9BPC				Z		11:40	1	HOLD
RSAX7-3BFD	RSAX7			FD	12:10		1	
RSAX8-3BPC	RSAX8			Z	14:15		1	
4BPC				Z	14:35		1	
5BPC				Z	13:40		1	HOLD
6BPC				Z	13:50		1	HOLD
7BPC				Z	13:55		1	HOLD
8BPC				Z	14:00		1	HOLD
9BPC				Z	14:05		1	HOLD
RSAX8-3BPC FD	RSAX8			FD	14:15		1	

Additional Comments/Special Instructions:		Signature of Sampler		Temp in OC		Sample Receipt Conditions		Trip Blank?	
Item #	Test Am	Signature	Date	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
		[Signature]	4/10/2016						
		[Signature]	4/10/15/16						
		[Signature]	4/10/15/20						
		[Signature]	4/10/17/20						

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:										Required Invoice Information:										Event Complete?									
Lab Name: Test America Laboratories Inc					Site ID #102: TRONOX LLC, HENDERSON					Send Invoice to: Susan Crowley Tronox LLC					Total # of Samples: -1					COC # 012027.01.1900									
Address: 880 Riverside Parkway					Project # 2027.01					Address: PO Box 55					Regular					Rush					Mark One				
West Sacramento, CA 95605					Site Address: 560 W Lake Mead Drive					City/State: Henderson, NV 89009					Phone #: (949) 260-9293														
Lab PI: David Attucker					City: Henderson					State, Zip: NV, 89008					PO #														
Phone/Fax: (916) 373-6600					Site PM Name: Derrick Willis					Send EDD to: Frank.Hegar@ngem.com																			
Lab PM email: David.Attucker@testamericainc.com					Phone/Fax: (949) 375-7004					CC Hardcopy report to: PDF Electronic Version Only - FTP Upload																			
Applicable Lab Quote #:					Site PM Email: derrick.willis@ngem.com					CC Hardcopy report to: See Additional Comments Below					none														
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	X	Rush	Mark One																	
SSA06-02-10PC	SSA06-02	SD	G	N	04/06/10	1320	1																						
SSA06-02-10PC FD				FD		1320	1																						
SSA06-02-20PC				N		1334	1																						
SSA06-02-30PC				N		1344	1	HOLD																					
SSA06-02-40PC				N		1354	1	HOLD																					
SSA06-02-50PC				N		1410	1	HOLD																					
SSA06-02-50PC M/S/MSD		M/S/MSD		N		1410	1	HOLD																					
SSA06-02-60PC				N		1417	1	HOLD																					
SSA06-02-70PC				N		1424	1	HOLD																					
SSA06-02-70PC				N		1430	1	HOLD																					
SSA06-02-70PC				N		1456	1	HOLD																					
SSA06-02-80PC				N		1445	1	HOLD																					
SSA06-02-90PC				N		1454	1	HOLD																					
SSA06-02-100PC				N																									

Additional Comments/Special Instructions:		Sample Receipt Conditions	
No air sample given		Temp in OC	Y/N
4/15/10 1530		Sample on Ice?	Y/N
4/16/10 1530		Sample Intact?	Y/N
4/16/10 1530		Samples on Ice?	Y/N
4/16/10 1530		Temp in OC	Y/N
4/16/10 1530		Trip Blank?	Y/N

PRINT Name of SAMPLER	DATE Signed	Time:
Signature of SAMPLER		

CHAIN-OF-CUSTODY / Analytical Request Document

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

Required Ship to Lab:		Required Project Information:		Required Invoice Information:		Regular		Rush		Mark One	
Lab Name:	Site ID #102	Site ID #102	TRONOX LLC, HENDERSON	Send Invoice to:	Susan Crowley Tronox LLC.	Regular	X				
Address:	Project #	Project #	2027.01	Address:	PO Box 55						
Lab PI:	Site Address	Site Address	560 W Lake Mead Drive	City/State:	Henderson, NV 89009						
Phone/Fax:	City	City	Henderson	PO #							
Lab PI email:	State, Zip	State, Zip	NV, 89009	Send EDD to:	Frank.Hegar@ngem.com						
Applicable Lab Quote #:	Site PM Name	Site PM Name	Derrick Willis	CC Handcopy report to:	PDF Electronic Version Only - FTP Upload						
	Phone/Fax:	Phone/Fax:	(949) 375-7004	CC Handcopy report to:	See Additional Comments Below						
	Site PM Email:	Site PM Email:	derrick.willis@ngem.com								
SAMPLE ID	SAMPLE LOCATION	MATRIX CODE	G-GRAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	Comments/Lab Sample I.D.			
ASAG3 - 3BPC	ASAG3	SO	G	N	4-6-10	10:30	1				
ASAG3 - 3BPC FD	ASAG3	SO	G	FD	4-6-10	10:30	1				
ASAG3 - 4BPC	ASAG3	SO	G	N	4-6-10	10:50	1				
ASAG3 - 5BPC	ASAG3	SO	G	N	4-6-10	10:55	1	LOB			
ASAG3 - 6BPC	ASAG3	SO	G	N	4-6-10	11:25	1				
ASAG3 - 7BPC	ASAG3	SO	G	N	4-6-10	11:40	1				
ASAG3 - 8BPC	ASAG3	SO	G	N	4-6-10	12:00	1				
ASAG3 - 9BPC	ASAG3	SO	G	N	4-6-10	12:35	1				
SA169 - 3BPC	SA169	SO	G	N	4-6-10	13:15	1				
SA169 - 4BPC	SA169	SO	G	N	4-6-10	13:25	1	hold			
SA169 - 5BPC	SA169	SO	G	N	4-6-10	13:40	1				
SA169 - 6BPC	SA169	SO	G	N	4-6-10	14:10	1				
SA169 - 6BPC FD	SA169	SO	G	FD	4-6-10	14:10	1				
SA169 - 7BPC	SA169	SO	G	N	4-6-10	14:20	1				

Additional Comments/Special Instructions:		Sample Receipt Conditions	
Signature of Sampler	DATE SIGNED	Temp in °C	Temp in °F
<i>[Signature]</i>	4/16/10	18.35	65.0
<i>[Signature]</i>	4/16/10	18.35	65.0
<i>[Signature]</i>	4/16/10	18.35	65.0
<i>[Signature]</i>	4/16/10	18.35	65.0

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

Lab Name: Test America Laboratories Inc		Required Project Information:		Required Invoice Information:		Event Complete?													
Address: 880 Riverside Parkway		Site ID #102: TRONOX LLC, HENDERSON	Send Invoice to: Susan Crowley Tronox LLC	Total # of Samples: -1		Mark One													
City: Henderson		Project #: 2027.01	Address: PO Box 96	Regular		Rush													
State: NV		Site Address: 660 W Lake Mead Drive	City/State: Henderson, NV 89009	Phone #: (949) 260-9293		Mark One													
City: Henderson		State: NV	PO #:																
Site P/M Name: Derrick Willie		Site P/M Name: Frank.Higa@gent.com																	
Phone/Fax: (949) 375-6600		Phone/Fax: (949) 375-7004																	
Lab P/M email: David.Allischer@westamericainc.com		CC Hardcopy report to: PDF Electronic Version Only - FTP Upload																	
Applicable Lab Quote #:		CC Hardcopy report to: See Additional Comments Below																	
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.	Sample Receipt Conditions									
										Temp in OC	Samples on	Intact?	Temp Blank?						
	SSAJ8-015-1BPC	SSAJ8 80	GA	ZZ	06APR16	16:05	1												
	-3BPC																		
	-3BPC																		
	-4BPC																		
	-5BPC																		
	-6BPC																		
	-7BPC																		
	-8BPC																		
	-9BPC																		
	-10BPC																		
	-1BPC FD			FD															
<p>Additional Comments/Special Instructions:</p> <p><i>Handwritten notes:</i> 4/7/16 16:05, 4/7/16 15:50, 4/7/16 15:40, 4/7/16 15:30, 4/7/16 15:20, 4/7/16 15:10, 4/7/16 15:05</p>																			
<p>Signature of Sampler: <i>[Signature]</i></p> <p>Date Reported: <i>4/16/16</i></p>																			



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.

COC # 02027.01.2001 CORRECTED
Total # of Samples: 29

Required Project Information:										Required Invoice Information:									
Lab Name: Test America Laboratories Inc					Site ID #102: TRONOX LLC, HENDERSON					Seed Invoice to: Susan Crowley Tronox LLC.					Event Complete?				
Address: 880 Riverside Parkway					Project # 2027.01					Address: PO Box 55					Regular				
West Sacramento, CA 95605					Site Address 560 W Lake Mead Drive					City/State: Henderson, NV 89009					Phone #: (949) 260-9293				
Lab Pk: David Altkucher					City: Henderson					State, Zip (NV, 89009)					PO #				
Phone/Fac: (916) 373-5600					Site PM Name: Derrick Willis					Send EDD to: Frank.Hagar@ngem.com									
Lab PM email: Derrick.Altkucher@testamericainc.com					Phone/Fac: (949) 375-7004					CC Handcopy report to: PDF Electronic Version Only - FTP Upload									
Applicable Lab Quote #:					Site PM Email: derrick.willis@ngem.com					CC Handcopy report to: See Additional Comments Below									
ITEM #	SAMPLE ID	SAMPLE LOCATION	MATRIX CODE	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Regular	Rush	X	Mark One							
	SSAJB-01-10BPC	SSAJB-01	SO	G	04/06/2010	16:00	1	Hold	H										
	SSAJB-01-1BPC	SSAJB-01	SO	G	04/06/2010	16:05	1	8290 Screen 24-hr TAT	X										
	SSAJB-01-1BPC_FD	SSAJB-01	SO	G	04/06/2010	16:05	1	Hold	H										
	SSAJB-01-2BPC	SSAJB-01	SO	G	04/06/2010	15:10	1	8290 Screen 24-hr TAT	X										
	SSAJB-01-2BPC_MS	SSAJB-01	SO	G	04/06/2010	15:10	1	Hold	H										
	SSAJB-01-3BPC	SSAJB-01	SO	G	04/06/2010	15:15	1	Hold	H										
	SSAJB-01-4BPC	SSAJB-01	SO	G	04/06/2010	15:18	1	Hold	H										
	SSAJB-01-5BPC	SSAJB-01	SO	G	04/06/2010	15:20	1	Hold	H										
	SSAJB-01-6BPC	SSAJB-01	SO	G	04/06/2010	15:35	1	Hold	H										
	SSAJB-01-7BPC	SSAJB-01	SO	G	04/06/2010	15:40	1	Hold	H										
	SSAJB-01-8BPC	SSAJB-01	SO	G	04/06/2010	15:44	1	Hold	H										
	SSAJB-01-9BPC	SSAJB-01	SO	G	04/06/2010	16:00	1	Hold	H										
	SSAJB-98BPC	RSAJB	SO	G	04/06/2010	14:15	1	Hold	H										
	SSAJB-88BPC	RSAJB	SO	G	04/06/2010	14:00	1	Hold	H										
	SSAJB-78BPC	RSAJB	SO	G	04/06/2010	13:55	1	Hold	H										
	SSAJB-68BPC	RSAJB	SO	G	04/06/2010	13:50	1	Hold	H										
	SSAJB-58BPC	RSAJB	SO	G	04/06/2010	13:40	1	Hold	H										
	SSAJB-48BPC	RSAJB	SO	G	04/06/2010	13:35	1	Hold	H										
	SSAJB-38BPC_MS	RSAJB	SO	G	04/06/2010	14:15	0	Hold for 8290	H										
	SSAJB-3BPC_FD	RSAJB	SO	G	04/06/2010	14:15	0	Hold for 8290	H										
Sample Receipt Conditions																			
									Temp in OC	Y/N	Y/N	Y/N							
									Sample Intact?	Y/N	Y/N	Y/N							
									Samples on Ice?	Y/N	Y/N	Y/N							
									Temp Blank?	Y/N	Y/N	Y/N							

Company: _____
Tracking #: _____
PRINT Name of SAMPLER: _____
SIGNATURE of SAMPLER: _____
DATE Spent: _____
Time: _____

Additional Comments/Special Instructions:

Required Ship to Lab:		Required Project Information:		Required Invoice Information:		COC # 02027.01.1901 CORRECTED		Total # of Samples: 12		Event Complete?				
Lab Name:	Test America Laboratories Inc	Site ID #102:	TRINOX LLC, HENDERSON	Send Invoice to:	Susan Crowley Trinox LLC.	Address:	PO Box 55	Regular	Rush	X	Mark One			
Address:	880 Riverdale Parkway	Project #:	2027.01	City/State:	Henderson, NV 89009	Phone #:	(949) 260-9293							
Lab Pk:	David Albuquer	Site Address:	560 W Lake Mead Drive	PO #:		City/State:	Henderson, NV 89009							
Phone/Fax:	(916) 373-5600	City:	Henderson	State, Zip:	NV, 89009	Send EDD to:	Frank.Hagar@ngem.com							
Lab PM Email:	David.Albuquer@testamericainc.com	Site PM Name:	Derrick Willis	CC Handcopy report to:	PDF Electronic Version Only - FTP Upload	CC Handcopy report to:	See Additional Comments Below							
Applicable Lab Quote #:		Site PM Email:	derrick.willis@ngem.com	Comments/Lab Sample I.D.										
ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G-GRAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Hold	Regular	Temp in OC	Samples on Ice?	Sample Intact?	Temp Blank?
	SSAO6-02-1BPC_FD	SSAO6-02	SO	G	FD	04/06/2010	13:20	1	Hold	H				
	SSAO6-02-1BPC	SSAO6-02	SO	G	N	04/06/2010	13:20	1	24-hr TAT	X				
	SSAO6-02-2BPC	SSAO6-02	SO	G	N	04/06/2010	13:36	1	24-hr TAT	X				
	SSAO6-02-3BPC	SSAO6-02	SO	G	N	04/06/2010	13:44	1	Hold	H				
	SSAO6-02-4BPC	SSAO6-02	SO	G	N	04/06/2010	13:59	1	Hold	H				
	SSAO6-02-5BPC	SSAO6-02	SO	G	N	04/06/2010	14:10	1	Hold	H				
	SSAO6-02-6BPC	SSAO6-02	SO	G	N	04/06/2010	14:17	1	Hold	H				
	SSAO6-02-7BPC	SSAO6-02	SO	G	N	04/06/2010	14:26	1	Hold	H				
	SSAO6-02-8BPC	SSAO6-02	SO	G	N	04/06/2010	14:36	1	Hold	H				
	SSAO6-02-9BPC	SSAO6-02	SO	G	N	04/06/2010	14:45	1	Hold	H				
	SSAO6-02-10BPC	SSAO6-02	SO	G	N	04/06/2010	14:59	1	Hold	H				
	SSAO6-02-5BPC_MS	SSAO6-02	SO	G	MS	04/06/2010	14:10	1	Hold Pending Selection of 8290 Confirmation Sample	H				

Additional Comments/Special Instructions:

Company:
 Tracking #:
 PRINT Name of SAMPLER:
 SIGNATURE of SAMPLER:
 DATE Spent:
 Time:



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.

COC # 02027.01.2001 CORRECTED

Total # of Samples: 29 Event Complete?

Required Project Information:		Required Invoice Information:		Regular		Rush		Mark One				
Lab Name: Test America Laboratories Inc	Site ID #: 102	TRONOX LLC, HENDERSON	Send Invoice to: Susan Crowley Tronox LLC	Regular		Rush	X	Event Complete?				
Address: 890 Riverside Parkway	Project #	2027.01	Address: PO Box 55									
West Sacramento, CA 95605	Site Address	560 W Lake Mead Drive	City/State:	Henderson, NV 89009	Phone #:	(949) 260-9293						
Lab Pk. David Allicker	City	Henderson	State, Zip	NV, 89009	PO #							
Phone/Fac: (916) 373-5600	Site PM Name	Derrick Willis	Send EDD to:	Frank.Hagar@ngem.com								
Lab Pk email: David.Alicker@testamericainc.com	Phone/Fac:	(949)375-7004	CC Hardcopy report to:	PDF Electronic Version Only - FTP Upload								
Applicable Lab Quote #:	Site PM Email:	derrick.willis@ngem.com	CC Hardcopy report to:	See Additional Comments Below								
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	Mark One
	RSAB-3BPC	RSAB	SO	G	N	04/06/2010	14:15	1	8290 Screen 24-hr TAT	X		
	RSAB7-3BPC	RSAB7	SO	G	N	04/06/2010	12:10	1	8290 Screen 24-hr TAT	X		
	RSAB7-3BPC_FD	RSAB7	SO	G	FD	04/06/2010	12:10	1	Hold for 8290	H		
	RSAB7-4BPC	RSAB7	SO	G	N	04/06/2010	12:20	1	8290 Screen 24-hr TAT	X		
	RSAB7-5BPC	RSAB7	SO	G	N	04/06/2010	10:50	1	Hold	H		
	RSAB7-7BPC	RSAB7	SO	G	N	04/06/2010	11:15	1	Hold	H		
	RSAB7-8BPC	RSAB7	SO	G	N	04/06/2010	11:25	1	Hold	H		
	RSAB7-8BPC	RSAB7	SO	G	N	04/06/2010	11:35	1	Hold	H		
	RSAB7-9BPC	RSAB7	SO	G	N	04/06/2010	11:40	1	Hold	H		

Additional Comments/Special Instructions:

Sample Receipt Conditions									
Temp in OC	Samples on Intact?	Sample Intact?	Temp Blank?	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

Company: _____ Tracking #: _____

Signature of Sampler: _____ DATE Signed: _____

Time: _____

COC # 02027.01.2001 CORRECTED
 Total # of Samples: 29
 Event Complete?

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
										Temp in OC	Samples on Ice?			
										No				
										UNPRES				
										PHB-SPM-4025				
	SSAJB-01-10BPC		SO	G	N	04/06/2010	16:00	1	Hold	H				
	SSAJB-01-1BPC		SO	G	N	04/06/2010	16:05	1	4025 Screen 8-hr. TAT	X				
	SSAJB-01-1BPC_FD		SO	G	FD	04/06/2010	16:05	1	Hold for 8290	H				
	SSAJB-01-2BPC		SO	G	N	04/06/2010	15:10	1	4025 Screen 8-hr. TAT	X				
	SSAJB-01-2BPC_MS		SO	G	MS	04/06/2010	15:10	1	Hold for 8290	H				
	SSAJB-01-3BPC		SO	G	N	04/06/2010	15:15	1	Hold	H				
	SSAJB-01-4BPC		SO	G	N	04/06/2010	15:18	1	Hold	H				
	SSAJB-01-5BPC		SO	G	N	04/06/2010	15:20	1	Hold	H				
	SSAJB-01-6BPC		SO	G	N	04/06/2010	15:35	1	Hold	H				
	SSAJB-01-7BPC		SO	G	N	04/06/2010	15:40	1	Hold	H				
	SSAJB-01-8BPC		SO	G	N	04/06/2010	15:44	1	Hold	H				
	SSAJB-01-9BPC		SO	G	N	04/06/2010	16:00	1	Hold	H				
	RSAJB-8BPC		SO	G	N	04/06/2010	14:15	1	Hold	H				
	RSAJB-8BPC		SO	G	N	04/06/2010	14:00	1	Hold	H				
	RSAJB-7BPC		SO	G	N	04/06/2010	13:55	1	Hold	H				
	RSAJB-6BPC		SO	G	N	04/06/2010	13:50	1	Hold	H				
	RSAJB-5BPC		SO	G	N	04/06/2010	13:40	1	Hold	H				
	RSAJB-4BPC		SO	G	N	04/06/2010	13:35	1	Hold	H				
	RSAJB-3BPC_MS		SO	G	MS	04/06/2010	14:15	0	Hold for 8290	H				
	RSAJB-3BPC_FD		SO	G	FD	04/06/2010	14:15	0	Hold for 8290	H				

Required Project Information:
 Site ID #102: TRONOX LLC, HENDERSON
 Project #: 2027.01
 Site Address: 560 W Lake Mead Drive
 City: Henderson State, Zip: NV, 89008
 Site PM Name: Derrick Willis
 Phone/Fax: (949) 375-7004
 Site PM Email: derrick.willis@ngem.com

Required Invoice Information:
 Send Invoice to: Susan Crowley TronoX LLC.
 Address: PO Box 55
 City/State: Henderson, NV 89009 Phone #: (848) 260-9293
 PO #

Send EDD to: Frank.Hagan@ngem.com
 CC Hardcopy report to: PDF Electronic Version Only - FTP Upload
 CC Hardcopy report to: See Additional Comments Below

Additional Comments/Special Instructions:

Company: _____ Tracking #: _____
 Signature of Sampler: _____ Date Signed: _____

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



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Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

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COC # 02027.01.1901 CORRECTED

Total # of Samples: 12 Event Completed?

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	Mark One
												X
	SSAO6-02-1BPC_FD		SO	G	FD	04/06/2010	13:20	1	Hold	H		
	SSAO6-02-1BPC		SO	G	N	04/06/2010	13:20	1	8-hr TAT	X		
	SSAO6-02-2BPC		SO	G	N	04/06/2010	13:36	1	8-hr TAT	X		
	SSAO6-02-3BPC		SO	G	N	04/06/2010	13:44	1	Hold	H		
	SSAO6-02-4BPC		SO	G	N	04/06/2010	13:59	1	Hold	H		
	SSAO6-02-5BPC		SO	G	N	04/06/2010	14:10	1	Hold	H		
	SSAO6-02-6BPC		SO	G	N	04/06/2010	14:17	1	Hold	H		
	SSAO6-02-7BPC		SO	G	N	04/06/2010	14:26	1	Hold	H		
	SSAO6-02-8BPC		SO	G	N	04/06/2010	14:36	1	Hold	H		
	SSAO6-02-9BPC		SO	G	N	04/06/2010	14:45	1	Hold	H		
	SSAO6-02-10BPC		SO	G	N	04/06/2010	14:59	1	Hold	H		
	SSAO6-02-5BPC_MS		SO	G	MS	04/06/2010	14:10	1	Hold Pending Selection of 8290 Sconfirmation Sample	H		

Additional Comments/Special Instructions:											
Sample Receipt Conditions											
Temp in OC	Samples on Ice?	Sample Intact?	Trip Blank?	Temp in OC	Samples on Ice?	Sample Intact?	Trip Blank?	Temp in OC	Samples on Ice?	Sample Intact?	Trip Blank?

Company:
 Tracking #
 Signature of Sampler
 Date Signed
 Time



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:										Required Invoice Information:										Event Complete?																																																																																																													
Lab Name: Test America Laboratories Inc					Site ID #: 102					Send Invoice to: Susan Crowley Tronox LLC					COC # 02027.01.1821 CORRECTED					Total # of Samples: 14					Event Complete?																																																																																																								
Address: 880 Riverside Parkway					Project #: 2027.01					Address: PO Box 55					Regular					Rush					X					Mark One																																																																																																			
West Sacramento, CA 95605					City: Henderson					State, Zip: NV, 89009					City/State: Henderson, NV 89009					Phone #: (949) 260-9293																																																																																																													
Lab Pk: David Althucher					Site PM Name: Derrick Willis					Matrix Code: G-GRAB C-COMP					Sample Type: FD					Sample Date: 04/06/2010					Sample Time: 10:30					# of Containers: 1					Comments/Lab Sample I.D.																																																																																														
Phone/Fac: (919) 373-5600					Site PM Email: derrick.willis@tam.com					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 10:30					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																														
Lab PM Email: David.Althucher@testamericainc.com					Phone/Fac: (949) 373-7004					Sample Location: SA169					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 14:10					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																														
Applicable Lab Quote #:					Site PM Email: derrick.willis@tam.com					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 10:30					# of Containers: 1					Screen - 8-hr TAT																																																																																														
					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 10:50					# of Containers: 1					Screen - 8-hr TAT																																																																																																			
					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 10:55					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 11:25					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 11:40					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 12:00					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
					Sample Location: RSQA3					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 12:35					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
					Sample Location: SA169					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 13:15					# of Containers: 1					Screen - 8-hr TAT																																																																																																			
					Sample Location: SA169					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 13:25					# of Containers: 1					Screen - 8-hr TAT																																																																																																			
					Sample Location: SA169					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 13:40					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
					Sample Location: SA169					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 14:10					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
					Sample Location: SA169					Sample Type: G					Sample Date: 04/06/2010					Sample Time: 14:20					# of Containers: 1					Sample on Hold Pending Screen Results																																																																																																			
ITEM #										SAMPLE ID										SAMPLE LOCATION										MATRIX CODE										SAMPLE TYPE										SAMPLE DATE										SAMPLE TIME										# OF CONTAINERS										Comments/Lab Sample I.D.										Regular										Rush										X										Mark One									
										RSQA3-3BPC_FD										SA169										SO										G										04/06/2010										10:30										1										Sample on Hold Pending Screen Results																																																	
										SA169-4BPC_FD										SA169										SO										G										04/06/2010										14:10										1										Sample on Hold Pending Screen Results																																																	
										RSQA3-3BPC										RSQA3										SO										G										04/06/2010										10:30										1										Screen - 8-hr TAT																																																	
										RSQA3-4BPC										RSQA3										SO										G										04/06/2010										10:50										1										Screen - 8-hr TAT																																																	
										RSQA3-5BPC										RSQA3										SO										G										04/06/2010										10:55										1										Sample on Hold Pending Screen Results																																																	
										RSQA3-6BPC										RSQA3										SO										G										04/06/2010										11:25										1										Sample on Hold Pending Screen Results																																																	
										RSQA3-7BPC										RSQA3										SO										G										04/06/2010										11:40										1										Sample on Hold Pending Screen Results																																																	
										RSQA3-8BPC										RSQA3										SO										G										04/06/2010										12:00										1										Sample on Hold Pending Screen Results																																																	
										RSQA3-9BPC										RSQA3										SO										G										04/06/2010										12:35										1										Sample on Hold Pending Screen Results																																																	
										SA169-3BPC										SA169										SO										G										04/06/2010										13:15										1										Screen - 8-hr TAT																																																	
										SA169-4BPC										SA169										SO										G										04/06/2010										13:25										1										Screen - 8-hr TAT																																																	
										SA169-5BPC										SA169										SO										G										04/06/2010										13:40										1										Sample on Hold Pending Screen Results																																																	
										SA169-6BPC										SA169										SO										G										04/06/2010										14:10										1										Sample on Hold Pending Screen Results																																																	
										SA169-7BPC										SA169										SO										G										04/06/2010										14:20										1										Sample on Hold Pending Screen Results																																																	

Additional Comments/Special Instructions:
All 4025 analysis are an 8-hour turn around

Company: _____
Tracking #: _____
Signature of Sampler: _____
Date Signed: _____
Time: _____

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

G10D080425

Full Analysis Requested 4/9/10



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

Required Project Information:

Lab Name: Test America Laboratories Inc
Address: 880 Riverside Parkway
City: West Sacramento, CA 95605
Lab Pk: David Albuquer
Phone/Fax: (916) 373-5600
Lab PM Email: David.Albuquerque@testamericainc.com
Applicable Lab Code #: [blank]

Required Invoice Information:

Send Invoice to: Susan Crowley Tronox LLC
Address: PO Box 55
City/State: Henderson, NV 89009
Phone #: (949) 260-9293
PO #

Required Project Information:

Site ID #: 102
Project #: 2027.01
Site Address: 560 W Lake Mead Drive
City: Henderson
State, Zip: NV, 89009
Site PM Name: Derrick Willis
Phone/Fax: (949) 373-7004
Site PM Email: derrick.willis@gem.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

COC # 02027.01.1821 ACTIVATED 2010-04-09
Total # of Samples: 14
Event Complete? []

Table with columns: ITEM #, SAMPLE ID, SAMPLE LOCATION, SAMPLE ID: MUST BE UNIQUE, MATRIX CODE, G-GRAB C-COMP, SAMPLE TYPE, SAMPLE DATE, SAMPLE TIME, #OF CONTAINERS, Comments/Lab Sample I.D., Regular, Rush, 8-HR, Mark One

Table with columns: Sample Receipt Conditions, Temp in OC, Samples on Y/N, Sample Intact? Y/N, Trip Blank? Y/N

Full Analysis Requested 4/19/10
 610080425

CHAIN-OF-CUSTODY / Analytical Request Document
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1100 Quail Street, Suite 102
 Newport Beach, CA 92660 (949) 260-9293

Required Project Information:		Required Invoice Information:		Event Complete?					
Site ID #:	Project #:	Send Invoice to:	Address:	Regular	Rush	Mark One			
TRONOX LLC, HENDERSON	2027.01	Susan Crowley Tironx LLC.	PO Box 55						
800 Riverside Parkway			PO Box 55						
West Sacramento, CA 95605			City/State: Henderson, NV 89009						
David Albuicker			Phone #: (949) 260-9293						
(916) 373-5600			PO #						
David Albuicker@testamericainc.com			Send EDD to: Frank.Hagar@ngem.com						
Phone/Fax: (916) 373-5600			CC Hardcopy report to: PDF Electronic Version Only - FTP Upload						
Applicable Lab Code #:			CC Hardcopy report to: See Additional Comments Below						
SAMPLE ID	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	COMMENTS/LAB SAMPLE I.D.	Temp in OC	Sample on Ice?	Sample Intact?	Trip Blank?
SSAO6-02-1BPC_FD	SSAO6-02	G-GRAB C-COMP	04/06/2010	13:20	8290 Full - 10d TAT				
SSAO6-02-1BPC	SSAO6-02	G	04/06/2010	13:20	(Screen has been completed) Analyze 8290 Full - 10d TAT				
SSAO6-02-2BPC	SSAO6-02	G	04/06/2010	13:36	24-hr TAT				
SSAO6-02-3BPC	SSAO6-02	G	04/06/2010	13:44	Hold				
SSAO6-02-4BPC	SSAO6-02	G	04/06/2010	13:59	Hold				
SSAO6-02-5BPC	SSAO6-02	G	04/06/2010	14:10	8290 Full - 10d TAT				
SSAO6-02-6BPC	SSAO6-02	G	04/06/2010	14:17	Hold				
SSAO6-02-7BPC	SSAO6-02	G	04/06/2010	14:26	Hold				
SSAO6-02-8BPC	SSAO6-02	G	04/06/2010	14:36	Hold				
SSAO6-02-9BPC	SSAO6-02	G	04/06/2010	14:45	Hold				
SSAO6-02-10BPC	SSAO6-02	G	04/06/2010	14:59	Hold				
SSAO6-02-5BPC MS	SSAO6-02	G MS	04/06/2010	14:10	8290 Full - 10d TAT				

Additional Comments/Special Instructions:
 Modified by Joni Fisher 2010-04-09 - All 8290 screen analysis are an 24-hour turn around - All 8290 full analyses are 10-d TAT

Company: _____
 Tracking #: _____
 Signature of Sampler: _____
 Date Signed: _____
 Time: _____

Screens
4/14/10
600080425
Page: 1 of 2
Cooler #: of



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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.

COC # 02027.01.2001 ACTIVATED 2010-04-09
Total # of Samples: 29
Event Complete?

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
	SSAJB-01-10BPC		SO	G	N	04/06/2010	16:00	1	Hold						
	SSAJB-01-18BPC		SO	G	N	04/06/2010	16:05	1	8290 Screen 24-hr TAT						
	SSAJB-01-18BPC_FD		SO	G	FD	04/06/2010	16:05	1	Hold						
	SSAJB-01-28BPC		SO	G	N	04/06/2010	15:10	1	8290 Screen 24-hr TAT						
	SSAJB-01-28BPC_MS		SO	G	MS	04/06/2010	15:10	1	Hold						
	SSAJB-01-38BPC		SO	G	N	04/06/2010	15:15	1	8290 Screen 24-hr TAT						
	SSAJB-01-48BPC		SO	G	N	04/06/2010	15:18	1	8290 Screen 24-hr TAT						
	SSAJB-01-58BPC		SO	G	N	04/06/2010	15:20	1	Hold						
	SSAJB-01-68BPC		SO	G	N	04/06/2010	15:35	1	Hold						
	SSAJB-01-78BPC		SO	G	N	04/06/2010	15:40	1	Hold						
	SSAJB-01-88BPC		SO	G	N	04/06/2010	15:44	1	Hold						
	SSAJB-01-98BPC		SO	G	N	04/06/2010	16:00	1	Hold						
	RSAJB-98BPC		SO	G	N	04/06/2010	14:15	1	Hold						
	RSAJB-98BPC		SO	G	N	04/06/2010	14:00	1	Hold						
	RSAJB-78BPC		SO	G	N	04/06/2010	13:55	1	Hold						
	RSAJB-58BPC		SO	G	N	04/06/2010	13:50	1	8290 Screen 24-hr TAT						
	RSAJB-58BPC		SO	G	N	04/06/2010	13:40	1	8290 Screen 24-hr TAT						
	RSAJB-48BPC		SO	G	N	04/06/2010	13:35	1	Hold						
	RSAJB-38BPC_MS		SO	G	MS	04/06/2010	14:15	0	Hold for 8290						
	RSAJB-38BPC_FD		SO	G	FD	04/06/2010	14:15	0	Hold for 8290						

Additional Comments/Special Instructions:
Modified by Joni Fisher 2010-04-09 - All 8290 screen analysis are an 24-hour turn around

Temp In OC	Samples on Ice?	Sample Intact?	Trip Blank?
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N

Company: _____ Tracking #: _____

Signature of Sampler: _____ Date: _____

Signature of Receiver: _____ Date: _____

screens
 411410
 60D080425

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



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

Required Ship to Lab:		Required Project Information:		Required Invoice Information:		Total # of Samples: 29		Event Complete?												
Lab Name:	Site ID #:	Project #:	Site Address:	City:	State:	Zip:	Phone #:	Address:	City/State:	Phone #:	PO #:	Send EDD to:	CC Handcopy report to:	PDF Electronic Version Only - FTP Upload	CC Handcopy report to:	See Additional Comments Below	Regular	Rush	X	Mark One
Test America Laboratories Inc	TRONOX LLC HENDERSON	2027.01	560 W Lake Mead Drive	Henderson	NV	89009	(949) 260-9293	PO Box 55	Henderson, NV 89009	(949) 260-9293		Frank.Hagar@gem.com	PDF Electronic Version Only - FTP Upload							
Address: 860 Riverdale Parkway	West Sacramento, CA 95605																			
Lab Pk: David Albuicker	City: Henderson	State: NV	Zip: 89009																	
Phone/Fax: (916) 373-5600	Site PM Name: Derrick Willis	Phone/Fax: (949) 260-9293	Site PM Email: derrick.willis@gem.com																	
Lab PM email: David.Albuicker@westamericainc.com	Applicable Lab Quote #:																			
ITEM #	SAMPLE ID	SAMPLE LOCATION	MATRIX CODE	G-RAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	Comments/Lab Sample I.D.	Temp in OC	Samples on Ice?	Sample Intact?	Temp Blank?							
	RSAB-3BPC	RSAB	SO	G	N	04/06/2010	14:15	1	8290 Screen 24-hr TAT											
	RSAB-3BPC	RSAB	SO	G	N	04/06/2010	12:10	1	8290 Screen 24-hr TAT											
	RSAB-3BPC FD	RSAB	SO	G	FD	04/06/2010	12:10	1	Hold for 8290											
	RSAB-4BPC	RSAB	SO	G	N	04/06/2010	12:20	1	8290 Screen 24-hr TAT											
	RSAB-5BPC	RSAB	SO	G	N	04/06/2010	10:50	1	8290 Screen 24-hr TAT											
	RSAB-6BPC	RSAB	SO	G	N	04/06/2010	11:15	1	8290 Screen 24-hr TAT											
	RSAB-7BPC	RSAB	SO	G	N	04/06/2010	11:25	1	Hold											
	RSAB-8BPC	RSAB	SO	G	N	04/06/2010	11:35	1	Hold											
	RSAB-9BPC	RSAB	SO	G	N	04/06/2010	11:40	1	Hold											

Additional Comments/Special Instructions:
 Modified by Joni Fisher 2010-04-09 - All 8290 screen analysis are an 24-hour turn around

Company:
 Tracking #:

PRINT Name of SAMPLER:
 SIGNATURE of SAMPLER:

DATE Signed

Time:

Full Analysis Requested 4/16/10
 C100080425

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

Required Project Information: Site ID #: 102 TRONOX LLC, HENDERSON Project # 2027.01 Site Address 560 W Lake Mead Drive City Henderson State, Zip NV, 89009 Lab Pk. David Albuquer Phone/Fac (916) 373-5600 Lab Pk. email David.Albuquer@tsamainc.com Applicable Lab Code #: Site PM Name Derrick Willis Phone/Fac (949) 375-7004 Site PM Email: derrick.willis@ngem.com		Required Invoice Information: Send Invoice to: Susan Crowley Tronox LLC. Address: PO Box 55 City/State Henderson, NV 89009 Phone #: (949) 260-9293 PO # Send EDD to Frank.Hegar@ngem.com CC: Hardcopy report to PDF Electronic Version Only - FTP Upload CC Hardcopy report to See Additional Comments Below										
Required Ship to Lab: Lab Name: Test America Laboratories Inc Address: 880 Riverside Parkway West Sacramento, CA 95605 Lab Pk. David Albuquer Phone/Fac (916) 373-5600 Lab Pk. email David.Albuquer@tsamainc.com Applicable Lab Code #: Site PM Name Derrick Willis Phone/Fac (949) 375-7004 Site PM Email: derrick.willis@ngem.com		Required Project Information: Site ID #: 102 TRONOX LLC, HENDERSON Project # 2027.01 Site Address 560 W Lake Mead Drive City Henderson State, Zip NV, 89009 Lab Pk. David Albuquer Phone/Fac (916) 373-5600 Lab Pk. email David.Albuquer@tsamainc.com Applicable Lab Code #: Site PM Name Derrick Willis Phone/Fac (949) 375-7004 Site PM Email: derrick.willis@ngem.com										
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	Event Complete?
	SSAJB-01-10BPC	SSAJB-01	SO	G	N	04/06/2010	16:00	1	Hold	H		
	SSAJB-01-1BPC	SSAJB-01	SO	G	N	04/06/2010	16:05	1	8290 Screen 24-hr TAT	X		
	SSAJB-01-1BPC_FD	SSAJB-01	SO	G	FD	04/06/2010	16:05	1	Hold	H		
	SSAJB-01-2BPC	SSAJB-01	SO	G	N	04/06/2010	15:10	1	8290 Screen 24-hr TAT	X		
	SSAJB-01-2BPC_MS	SSAJB-01	SO	G	MS	04/06/2010	15:10	1	Hold	H		
	SSAJB-01-3BPC	SSAJB-01	SO	G	N	04/06/2010	15:15	1	screen completed, 10-d TAT for full 8290	X		
	SSAJB-01-4BPC	SSAJB-01	SO	G	N	04/06/2010	15:18	1	8290 Screen 24-hr TAT	X		
	SSAJB-01-5BPC	SSAJB-01	SO	G	N	04/06/2010	15:20	1	Hold	H		
	SSAJB-01-6BPC	SSAJB-01	SO	G	N	04/06/2010	15:35	1	Hold	H		
	SSAJB-01-7BPC	SSAJB-01	SO	G	N	04/06/2010	15:40	1	Hold	H		
	SSAJB-01-8BPC	SSAJB-01	SO	G	N	04/06/2010	15:44	1	Hold	H		
	SSAJB-01-9BPC	SSAJB-01	SO	G	N	04/06/2010	16:00	1	Hold	H		
	RSAJB-9BPC	RSAJB	SO	G	N	04/06/2010	14:15	1	Hold	H		
	RSAJB-8BPC	RSAJB	SO	G	N	04/06/2010	14:00	1	Hold	H		
	RSAJB-7BPC	RSAJB	SO	G	N	04/06/2010	13:55	1	Hold	H		
	RSAJB-6BPC	RSAJB	SO	G	N	04/06/2010	13:50	1	8290 Screen 24-hr TAT	X		
	RSAJB-5BPC	RSAJB	SO	G	N	04/06/2010	13:40	1	8290 Screen 24-hr TAT	X		
	RSAJB-4BPC	RSAJB	SO	G	N	04/06/2010	13:35	1	Hold	H		
	RSAJB-3BPC_MS	RSAJB	SO	G	MS	04/06/2010	14:15	0	Hold for 8290	H		
	RSAJB-3BPC_FD	RSAJB	SO	G	FD	04/06/2010	14:15	0	Hold for 8290	H		

Additional Comments/Special Instructions:
 Modified by Joni Fisher 2010-04-16 modifications in bold font

Company: Tracking #:
 Name of SAMPLER: DATE Spent: Time:
 SHIPPED BY: SAMPLER NAME AND SIZE: DATE Spent: Time:

Temp in OC	Samples on Ice?	Sample Intact?	Tip Blank?
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N

CLIENT Northgate PM DA LOG # 64102

LOT# (QUANTIMS ID) 90D080425 QUOTE# 84087 LOCATION WIE

DATE RECEIVED 4/8/10 TIME RECEIVED 0915 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) Seal

SHIPPING CONTAINER(S) TAL CLIENT N/A

COC #(S) _____

TEMPERATURE BLANK Observed: _____ Corrected: See Multi-cooler

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C) checklists

Observed: _____ Average _____ Corrected Average _____

LABORATORY THERMOMETER ID:

IR UNIT: #4 #5 OTHER _____

ev 4/8/10
Initials Date

pH MEASURED YES ANOMALY N/A

LABELLED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

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

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

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

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

ev 4/8/10
Initials Date

Notes _____

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

Lot ID: 90D080425

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				11
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/	/	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	2
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

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

Lot ID: G0D080425

	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	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2	2	/	/
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

	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
VOA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB							2													
AGBs																				
250AGB																				
250AGBn																				
250AGBs																				
250AGBna																				
AGJ																				
500AGJ																				
250AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/	/	/	/	/	/	/													
__CGJ																				
PB																				
PBn																				
PBna																				
500PB																				
500PBn																				
500PBna																				
500PBzn/na																				
250PB																				
250PBn																				
250PBna																				
250PBzn/na																				
__"CT																				
Folder/filter																				
PUF																				
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

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

* Number of VOA's with air bubbles present

CLIENT: Northgate LOT# (QUANTIMS ID): G0D080425
Checked (✓)

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

COOLER ID 1

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) Seal

COC #(S) 02027.01.1600

TEMPERATURE BLANK: OBSERVED: _____ CORRECTED _____

SAMPLE TEMPERATURE:

OBSERVED: 2 2 AVERAGE: 2 CORRECTED 2

SAMPLES / TESTS (IF NCM REQUIRED): _____

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

COOLER ID 2

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) Seal

COC #(S) 2001

TEMPERATURE BLANK: OBSERVED: NA CORRECTED _____

SAMPLE TEMPERATURE:

OBSERVED: 2 3 4 AVERAGE: 3 CORRECTED 3

SAMPLES / TESTS (IF NCM REQUIRED): Rec'd RSK's

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

COOLER ID 3

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) Seal

COC #(S) 1900

TEMPERATURE BLANK: OBSERVED: NA CORRECTED _____

SAMPLE TEMPERATURE:

OBSERVED: 4 4 1 AVERAGE: 3 CORRECTED 3

SAMPLES / TESTS (IF NCM REQUIRED): _____

Initials CV Date 4/8/10

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

CLIENT: Northgate LOT# (QUANTIMS ID): G0D080425
Checked (✓)

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER

COOLER ID 4

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) SM1

COC #(S) _____

TEMPERATURE BLANK: OBSERVED: NA CORRECTED _____

SAMPLE TEMPERATURE: _____

OBSERVED: 3 3 3 AVERAGE: 3 CORRECTED 3

SAMPLES / TESTS (IF NCM REQUIRED): _____

av
4/15/10

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER

COOLER ID _____

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) _____

COC #(S) _____

TEMPERATURE BLANK: OBSERVED: _____ CORRECTED _____

SAMPLE TEMPERATURE: _____

OBSERVED: _____ AVERAGE: _____ CORRECTED _____

SAMPLES / TESTS (IF NCM REQUIRED): _____

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER

COOLER ID _____

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) _____

COC #(S) _____

TEMPERATURE BLANK: OBSERVED: _____ CORRECTED _____

SAMPLE TEMPERATURE: _____

OBSERVED: _____ AVERAGE: _____ CORRECTED _____

SAMPLES / TESTS (IF NCM REQUIRED): _____

Initials _____ Date _____

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

SOLID, 8290, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: SSA06-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 018
 Date Sampled....: 04/06/10
 Prep Date....: 04/16/10
 Prep Batch #: 0106187
 Initial Wgt/Vol : 10.06 g

Work Order #....: LXM7K1AD
 Date Received....: 04/08/10
 Analysis Date....: 04/21/10
 Dilution Factor....: 0.99
 Analyst ID....: Grandfield S. Virginia

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 8.2
 Units.....: pg/g

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	0.082 J Q B	1.1	1.0	0.082
1,2,3,7,8-PeCDD	0.19 J	5.4	1.0	0.19
1,2,3,4,7,8-HxCDD	0.13 J	5.4	0.1	0.013
1,2,3,6,7,8-HxCDD	0.17 J Q	5.4	0.1	0.017
1,2,3,7,8,9-HxCDD	0.19 J Q	5.4	0.1	0.019
1,2,3,4,6,7,8-HpCDD	0.42 J Q B	5.4	0.01	0.0042
OCDD	1.4 J B	11	0.0003	0.00042
2,3,7,8-TCDF	0.91 J B	1.1	0.1	0.091
1,2,3,7,8-PeCDF	0.62 J Q B	5.4	0.03	0.019
2,3,4,7,8-PeCDF	0.39 J Q B	5.4	0.3	0.12
1,2,3,4,7,8-HxCDF	0.92 J B	5.4	0.1	0.092
1,2,3,6,7,8-HxCDF	0.49 J	5.4	0.1	0.049
2,3,4,6,7,8-HxCDF	0.16 J Q	5.4	0.1	0.016
1,2,3,7,8,9-HxCDF	0.19 J Q	5.4	0.1	0.019
1,2,3,4,6,7,8-HpCDF	1.2 J Q B	5.4	0.01	0.012
1,2,3,4,7,8,9-HpCDF	0.83 J	5.4	0.01	0.0083
OCDF	2.8 J B	11	0.0003	0.00084

Total TEQ Concentration

0.75

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	61	40 - 135
13C-1,2,3,6,7,8-HxCDD	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	83	40 - 135
13C-OCDD	57	40 - 135
13C-2,3,7,8-TCDF	76	40 - 135
13C-1,2,3,7,8-PeCDF	67	40 - 135
13C-1,2,3,4,7,8-HxCDF	100	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	67	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSA06-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 018	Work Order #....:	LXM7K1AD	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/16/10	Analysis Date....:	04/21/10	% Moisture....:	8.2
Prep Batch #:	0106187	Dilution Factor....:	0.99	Units....:	pg/g
Initial Wgt/Vol :	10.06 g	Analyst ID....:	Grandfield S. Virginia		

Notes:

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

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

Northgate Environmental Management, Inc.

Sample ID: SSA06-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 018	Work Order #....: LXM7K1AD	Matrix....: SO
Date Sampled....: 04/06/10	Date Received....: 04/08/10	Dilution Factor: 0.99
Prep Date....: 04/16/10	Analysis Date....: 04/21/10	Percent Moisture: 8.2
Prep Batch #: 0106187	Instrument ID....: 4D5	
Initial Wgt/Vol : 10.06 g	Analyst ID....: Grandfield S. Virginia	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	0.082 J Q B	1.1	0.033	pg/g
1,2,3,7,8-PeCDD	0.19 J	5.4	0.080	pg/g
1,2,3,4,7,8-HxCDD	0.13 J	5.4	0.067	pg/g
1,2,3,6,7,8-HxCDD	0.17 J Q	5.4	0.060	pg/g
1,2,3,7,8,9-HxCDD	0.19 J Q	5.4	0.056	pg/g
1,2,3,4,6,7,8-HpCDD	0.42 J Q B	5.4	0.11	pg/g
OCDD	1.4 J B	11	0.17	pg/g
2,3,7,8-TCDF	0.91 J B	1.1	0.027	pg/g
1,2,3,7,8-PeCDF	0.62 J Q B	5.4	0.059	pg/g
2,3,4,7,8-PeCDF	0.39 J Q B	5.4	0.063	pg/g
1,2,3,4,7,8-HxCDF	0.92 J B	5.4	0.061	pg/g
1,2,3,6,7,8-HxCDF	0.49 J	5.4	0.055	pg/g
2,3,4,6,7,8-HxCDF	0.16 J Q	5.4	0.060	pg/g
1,2,3,7,8,9-HxCDF	0.19 J Q	5.4	0.067	pg/g
1,2,3,4,6,7,8-HpCDF	1.2 J Q B	5.4	0.15	pg/g
1,2,3,4,7,8,9-HpCDF	0.83 J	5.4	0.20	pg/g
OCDF	2.8 J B	11	0.13	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	61	40 - 135
13C-1,2,3,6,7,8-HxCDD	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	83	40 - 135
13C-OCDD	57	40 - 135
13C-2,3,7,8-TCDF	76	40 - 135
13C-1,2,3,7,8-PeCDF	67	40 - 135
13C-1,2,3,4,7,8-HxCDF	100	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	67	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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

Northgate Environmental Management, Inc.

Sample ID: SSA06-02-5BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 022	Work Order #....: LXM7T1AC	Matrix....: SO
Date Sampled....: 04/06/10	Date Received....: 04/08/10	Instrument ID....: 4D5
Prep Date....: 04/16/10	Analysis Date....: 04/21/10	% Moisture....: 8.7
Prep Batch #: 0106187	Dilution Factor....: 0.99	Units.....: pg/g
Initial Wgt/Vol : 10.07 g	Analyst ID....: Grandfield S. Virginia	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.1	1.0	0
1,2,3,7,8-PeCDD	ND	5.4	1.0	0
1,2,3,4,7,8-HxCDD	ND	5.4	0.1	0
1,2,3,6,7,8-HxCDD	0.077 J	5.4	0.1	0.0077
1,2,3,7,8,9-HxCDD	0.11 J	5.4	0.1	0.011
1,2,3,4,6,7,8-HpCDD	0.14 J B	5.4	0.01	0.0014
OCDD	0.72 J Q B	11	0.0003	0.00022
2,3,7,8-TCDF	0.12 J Q B	1.1	0.1	0.012
1,2,3,7,8-PeCDF	0.12 J B	5.4	0.03	0.0036
2,3,4,7,8-PeCDF	0.084 J B	5.4	0.3	0.025
1,2,3,4,7,8-HxCDF	0.093 J Q B	5.4	0.1	0.0093
1,2,3,6,7,8-HxCDF	0.071 J Q	5.4	0.1	0.0071
2,3,4,6,7,8-HxCDF	0.040 J Q	5.4	0.1	0.0040
1,2,3,7,8,9-HxCDF	ND	5.4	0.1	0
1,2,3,4,6,7,8-HpCDF	0.21 J Q B	5.4	0.01	0.0021
1,2,3,4,7,8,9-HpCDF	ND	5.4	0.01	0
OCDF	0.49 J B	11	0.0003	0.00015

Total TEQ Concentration

0.084

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	40 - 135
13C-1,2,3,7,8-PeCDD	63	40 - 135
13C-1,2,3,6,7,8-HxCDD	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	95	40 - 135
13C-OCDD	65	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	102	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	78	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSA06-02-5BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 022	Work Order #....:	LXM7T1AC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/16/10	Analysis Date....:	04/21/10	% Moisture....:	8.7
Prep Batch #:	0106187	Dilution Factor....:	0.99	Units....:	pg/g
Initial Wgt/Vol :	10.07 g	Analyst ID....:	Grandfield S. Virginia		

Notes:

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

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

Northgate Environmental Management, Inc.

Sample ID: SSA06-02-5BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 022	Work Order #....:	LXM7T1AC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Dilution Factor:	0.99
Prep Date....:	04/16/10	Analysis Date....:	04/21/10	Percent Moisture:	8.7
Prep Batch #:	0106187	Instrument ID....:	4D5		
Initial Wgt/Vol :	10.07 g	Analyst ID....:	Grandfield S. Virginia		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	1.1	0.036	pg/g
1,2,3,7,8-PeCDD	ND	5.4	0.069	pg/g
1,2,3,4,7,8-HxCDD	ND	5.4	0.059	pg/g
1,2,3,6,7,8-HxCDD	0.077 J	5.4	0.053	pg/g
1,2,3,7,8,9-HxCDD	0.11 J	5.4	0.049	pg/g
1,2,3,4,6,7,8-HpCDD	0.14 J B	5.4	0.12	pg/g
OCDD	0.72 J Q B	11	0.14	pg/g
2,3,7,8-TCDF	0.12 J Q B	1.1	0.030	pg/g
1,2,3,7,8-PeCDF	0.12 J B	5.4	0.036	pg/g
2,3,4,7,8-PeCDF	0.084 J B	5.4	0.038	pg/g
1,2,3,4,7,8-HxCDF	0.093 J Q B	5.4	0.030	pg/g
1,2,3,6,7,8-HxCDF	0.071 J Q	5.4	0.027	pg/g
2,3,4,6,7,8-HxCDF	0.040 J Q	5.4	0.030	pg/g
1,2,3,7,8,9-HxCDF	ND	5.4	0.033	pg/g
1,2,3,4,6,7,8-HpCDF	0.21 J Q B	5.4	0.10	pg/g
1,2,3,4,7,8,9-HpCDF	ND	5.4	0.13	pg/g
OCDF	0.49 J B	11	0.071	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	40 - 135
13C-1,2,3,7,8-PeCDD	63	40 - 135
13C-1,2,3,6,7,8-HxCDD	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	95	40 - 135
13C-OCDD	65	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	102	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	78	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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

Northgate Environmental Management, Inc.

Sample ID: RSAQ3-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 028	Work Order #....:	LXM731AD	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/16/10	Analysis Date....:	04/22/10	% Moisture....:	7.2
Prep Batch #:	0106187	Dilution Factor....:	0.97	Units....:	pg/g
Initial Wgt/Vol :	10.25 g	Analyst ID....:	Grandfield S. Virginia		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	0.038 J Q B	1.1	1.0	0.038
1,2,3,7,8-PeCDD	ND	5.3	1.0	0
1,2,3,4,7,8-HxCDD	0.066 J Q	5.3	0.1	0.0066
1,2,3,6,7,8-HxCDD	0.079 J Q	5.3	0.1	0.0079
1,2,3,7,8,9-HxCDD	0.15 J	5.3	0.1	0.015
1,2,3,4,6,7,8-HpCDD	0.23 J B	5.3	0.01	0.0023
OCDD	0.61 J Q B	11	0.0003	0.00018
2,3,7,8-TCDF	0.24 J B	1.1	0.1	0.024
1,2,3,7,8-PeCDF	0.12 J Q B	5.3	0.03	0.0036
2,3,4,7,8-PeCDF	0.13 J B	5.3	0.3	0.039
1,2,3,4,7,8-HxCDF	0.20 J Q B	5.3	0.1	0.020
1,2,3,6,7,8-HxCDF	0.11 J	5.3	0.1	0.011
2,3,4,6,7,8-HxCDF	0.091 J Q	5.3	0.1	0.0091
1,2,3,7,8,9-HxCDF	0.12 J Q	5.3	0.1	0.012
1,2,3,4,6,7,8-HpCDF	0.39 J Q B	5.3	0.01	0.0039
1,2,3,4,7,8,9-HpCDF	0.20 J	5.3	0.01	0.0020
OCDF	0.92 J B	11	0.0003	0.00028

Total TEQ Concentration

0.19

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	96	40 - 135
13C-1,2,3,7,8-PeCDD	95	40 - 135
13C-1,2,3,6,7,8-HxCDD	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	89	40 - 135
13C-OCDD	82	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	90	40 - 135
13C-1,2,3,4,7,8-HxCDF	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	79	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: RSAQ3-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 028	Work Order #....:	LXM731AD	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/16/10	Analysis Date....:	04/22/10	% Moisture....:	7.2
Prep Batch #:	0106187	Dilution Factor....:	0.97	Units....:	pg/g
Initial Wgt/Vol :	10.25 g	Analyst ID....:	Grandfield S. Virginia		

Notes:

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

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

Northgate Environmental Management, Inc.

Sample ID: RSAQ3-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 028	Work Order #....: LXM731AD	Matrix....: SO
Date Sampled....: 04/06/10	Date Received....: 04/08/10	Dilution Factor: 0.97
Prep Date....: 04/16/10	Analysis Date....: 04/22/10	Percent Moisture: 7.2
Prep Batch #: 0106187	Instrument ID....: 4D5	
Initial Wgt/Vol : 10.25 g	Analyst ID....: Grandfield S. Virginia	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	0.038 J Q B	1.1	0.023	pg/g
1,2,3,7,8-PeCDD	ND	5.3	0.036	pg/g
1,2,3,4,7,8-HxCDD	0.066 J Q	5.3	0.021	pg/g
1,2,3,6,7,8-HxCDD	0.079 J Q	5.3	0.019	pg/g
1,2,3,7,8,9-HxCDD	0.15 J	5.3	0.017	pg/g
1,2,3,4,6,7,8-HpCDD	0.23 J B	5.3	0.055	pg/g
OCDD	0.61 J Q B	11	0.070	pg/g
2,3,7,8-TCDF	0.24 J B	1.1	0.031	pg/g
1,2,3,7,8-PeCDF	0.12 J Q B	5.3	0.034	pg/g
2,3,4,7,8-PeCDF	0.13 J B	5.3	0.037	pg/g
1,2,3,4,7,8-HxCDF	0.20 J Q B	5.3	0.032	pg/g
1,2,3,6,7,8-HxCDF	0.11 J	5.3	0.029	pg/g
2,3,4,6,7,8-HxCDF	0.091 J Q	5.3	0.032	pg/g
1,2,3,7,8,9-HxCDF	0.12 J Q	5.3	0.036	pg/g
1,2,3,4,6,7,8-HpCDF	0.39 J Q B	5.3	0.052	pg/g
1,2,3,4,7,8,9-HpCDF	0.20 J	5.3	0.067	pg/g
OCDF	0.92 J B	11	0.060	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	96	40 - 135
13C-1,2,3,7,8-PeCDD	95	40 - 135
13C-1,2,3,6,7,8-HxCDD	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	89	40 - 135
13C-OCDD	82	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	90	40 - 135
13C-1,2,3,4,7,8-HxCDF	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	79	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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

Northgate Environmental Management, Inc.

Sample ID: SA169-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 035
 Date Sampled....: 04/06/10
 Prep Date....: 04/16/10
 Prep Batch #: 0106187
 Initial Wgt/Vol : 10.17 g

Work Order #....: LXM8R1AD
 Date Received....: 04/08/10
 Analysis Date....: 04/22/10
 Dilution Factor....: 0.98
 Analyst ID....: Grandfield S. Virginia
 Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 7.0
 Units.....: pg/g

PARAMETER	RESULT	REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	41 B	1.1	1.0	41
1,2,3,7,8-PeCDD	140	5.3	1.0	140
1,2,3,4,7,8-HxCDD	98	5.3	0.1	9.8
1,2,3,6,7,8-HxCDD	190	5.3	0.1	19
1,2,3,7,8,9-HxCDD	180	5.3	0.1	18
1,2,3,4,6,7,8-HpCDD	530 B	5.3	0.01	5.3
OCDD	430 B	11	0.0003	0.13
2,3,7,8-TCDF	940 E B CON	1.1	0.1	94
1,2,3,7,8-PeCDF	1700 G B	7.8	0.03	51
2,3,4,7,8-PeCDF	940 G B	8.3	0.3	280
1,2,3,4,7,8-HxCDF	3800 E G B	10	0.1	380
1,2,3,6,7,8-HxCDF	2200 E G	9.4	0.1	220
2,3,4,6,7,8-HxCDF	550 G	10	0.1	55
1,2,3,7,8,9-HxCDF	430 G	12	0.1	43
1,2,3,4,6,7,8-HpCDF	6300 E B	5.3	0.01	63
1,2,3,4,7,8,9-HpCDF	3500 E	5.3	0.01	35
OCDF	16000 E B	11	0.0003	4.8

Total TEQ Concentration

1500

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	87	40 - 135
13C-1,2,3,6,7,8-HxCDD	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	54	40 - 135
13C-OCDD	40	40 - 135
13C-2,3,7,8-TCDF	70	40 - 135
13C-1,2,3,7,8-PeCDF	87	40 - 135
13C-1,2,3,4,7,8-HxCDF	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	50	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA169-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 035	Work Order #....:	LXM8R1AD	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/16/10	Analysis Date....:	04/22/10	% Moisture....:	7.0
Prep Batch #:	0106187	Dilution Factor....:	0.98	Units....:	pg/g
Initial Wgt/Vol :	10.17 g	Analyst ID....:	Grandfield S. Virginia		

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.
- 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: SA169-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 035
 Date Sampled....: 04/06/10
 Prep Date....: 04/16/10
 Prep Batch #: 0106187
 Initial Wgt/Vol : 10.17 g

Work Order #....: LXM8R1AD
 Date Received....: 04/08/10
 Analysis Date....: 04/22/10
 Instrument ID....: 4D5
 Analyst ID....: Grandfield S. Virginia

Matrix....: SO
 Dilution Factor: 0.98
 Percent Moisture: 7.0

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	41	B	1.1	0.33	pg/g
1,2,3,7,8-PeCDD	140		5.3	0.99	pg/g
1,2,3,4,7,8-HxCDD	98		5.3	0.95	pg/g
1,2,3,6,7,8-HxCDD	190		5.3	0.86	pg/g
1,2,3,7,8,9-HxCDD	180		5.3	0.79	pg/g
1,2,3,4,6,7,8-HpCDD	530	B	5.3	0.48	pg/g
OCDD	430	B	11	0.86	pg/g
2,3,7,8-TCDF	940	E B CON	1.1	0.36	pg/g
1,2,3,7,8-PeCDF	1700	G B	7.8	7.8	pg/g
2,3,4,7,8-PeCDF	940	G B	8.3	8.3	pg/g
1,2,3,4,7,8-HxCDF	3800	E G B	10	10	pg/g
1,2,3,6,7,8-HxCDF	2200	E G	9.4	9.4	pg/g
2,3,4,6,7,8-HxCDF	550	G	10	10	pg/g
1,2,3,7,8,9-HxCDF	430	G	12	12	pg/g
1,2,3,4,6,7,8-HpCDF	6300	E B	5.3	2.0	pg/g
1,2,3,4,7,8,9-HpCDF	3500	E	5.3	2.6	pg/g
OCDF	16000	E B	11	0.41	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	87	40 - 135
13C-1,2,3,6,7,8-HxCDD	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	54	40 - 135
13C-OCDD	40	40 - 135
13C-2,3,7,8-TCDF	70	40 - 135
13C-1,2,3,7,8-PeCDF	87	40 - 135
13C-1,2,3,4,7,8-HxCDF	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	50	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- 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: RSAQ3-3BPC_FD

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 047
 Date Sampled....: 04/06/10
 Prep Date....: 04/16/10
 Prep Batch #: 0106187
 Initial Wgt/Vol : 10.14 g

Work Order #....: LX1XL1AC
 Date Received....: 04/08/10
 Analysis Date....: 04/22/10
 Dilution Factor....: 0.98
 Analyst ID....: Grandfield S. Virginia

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 5.9
 Units.....: pg/g

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		1.0	1.0	0
1,2,3,7,8-PeCDD	ND		5.2	1.0	0
1,2,3,4,7,8-HxCDD	ND		5.2	0.1	0
1,2,3,6,7,8-HxCDD	0.10	J Q	5.2	0.1	0.010
1,2,3,7,8,9-HxCDD	0.20	J Q	5.2	0.1	0.020
1,2,3,4,6,7,8-HpCDD	0.43	J Q B	5.2	0.01	0.0043
OCDD	1.1	J Q B	10	0.0003	0.00033
2,3,7,8-TCDF	0.64	J B	1.0	0.1	0.064
1,2,3,7,8-PeCDF	ND		5.2	0.03	0
2,3,4,7,8-PeCDF	ND		5.2	0.3	0
1,2,3,4,7,8-HxCDF	0.79	J B	5.2	0.1	0.079
1,2,3,6,7,8-HxCDF	0.38	J Q	5.2	0.1	0.038
2,3,4,6,7,8-HxCDF	ND		5.2	0.1	0
1,2,3,7,8,9-HxCDF	0.33	J Q	5.2	0.1	0.033
1,2,3,4,6,7,8-HpCDF	1.2	J B	5.2	0.01	0.012
1,2,3,4,7,8,9-HpCDF	0.63	J	5.2	0.01	0.0063
OCDF	2.8	J B	10	0.0003	0.00084

Total TEQ Concentration

0.27

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	84	40 - 135
13C-1,2,3,6,7,8-HxCDD	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	79	40 - 135
13C-OCDD	62	40 - 135
13C-2,3,7,8-TCDF	73	40 - 135
13C-1,2,3,7,8-PeCDF	79	40 - 135
13C-1,2,3,4,7,8-HxCDF	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	72	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: RSAQ3-3BPC_FD

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 047	Work Order #....:	LX1XL1AC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/16/10	Analysis Date....:	04/22/10	% Moisture....:	5.9
Prep Batch #:	0106187	Dilution Factor....:	0.98	Units....:	pg/g
Initial Wgt/Vol :	10.14 g	Analyst ID....:	Grandfield S. Virginia		

Notes:

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

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

Northgate Environmental Management, Inc.

Sample ID: RSAQ3-3BPC_FD

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 047	Work Order #....:	LX1XL1AC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Dilution Factor:	0.98
Prep Date....:	04/16/10	Analysis Date....:	04/22/10	Percent Moisture:	5.9
Prep Batch #:	0106187	Instrument ID....:	4D5		
Initial Wgt/Vol :	10.14 g	Analyst ID....:	Grandfield S. Virginia		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	1.0	0.070	pg/g
1,2,3,7,8-PeCDD	ND	5.2	0.22	pg/g
1,2,3,4,7,8-HxCDD	ND	5.2	0.10	pg/g
1,2,3,6,7,8-HxCDD	0.10 J Q	5.2	0.092	pg/g
1,2,3,7,8,9-HxCDD	0.20 J Q	5.2	0.085	pg/g
1,2,3,4,6,7,8-HpCDD	0.43 J Q B	5.2	0.22	pg/g
OCDD	1.1 J Q B	10	0.27	pg/g
2,3,7,8-TCDF	0.64 J B	1.0	0.14	pg/g
1,2,3,7,8-PeCDF	ND	5.2	0.73	pg/g
2,3,4,7,8-PeCDF	ND	5.2	0.77	pg/g
1,2,3,4,7,8-HxCDF	0.79 J B	5.2	0.16	pg/g
1,2,3,6,7,8-HxCDF	0.38 J Q	5.2	0.15	pg/g
2,3,4,6,7,8-HxCDF	ND	5.2	0.16	pg/g
1,2,3,7,8,9-HxCDF	0.33 J Q	5.2	0.18	pg/g
1,2,3,4,6,7,8-HpCDF	1.2 J B	5.2	0.16	pg/g
1,2,3,4,7,8,9-HpCDF	0.63 J	5.2	0.21	pg/g
OCDF	2.8 J B	10	0.35	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	84	40 - 135
13C-1,2,3,6,7,8-HxCDD	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	79	40 - 135
13C-OCDD	62	40 - 135
13C-2,3,7,8-TCDF	73	40 - 135
13C-1,2,3,7,8-PeCDF	79	40 - 135
13C-1,2,3,4,7,8-HxCDF	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	72	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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

Northgate Environmental Management, Inc.

Sample ID: SSAO6-02-1BPC_FD

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 048
 Date Sampled....: 04/06/10
 Prep Date....: 04/16/10
 Prep Batch #: 0106187
 Initial Wgt/Vol : 10.34 g

Work Order #....: LX1X41AC
 Date Received....: 04/08/10
 Analysis Date....: 04/23/10
 Dilution Factor....: 0.96
 Analyst ID....: Grandfield S. Virginia

Matrix....: SO
 Instrument ID....: 3D5
 % Moisture....: 7.4
 Units.....: pg/g

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		1.0	1.0	0
1,2,3,7,8-PeCDD	0.082	J	5.2	1.0	0.082
1,2,3,4,7,8-HxCDD	ND		5.2	0.1	0
1,2,3,6,7,8-HxCDD	0.14	J Q	5.2	0.1	0.014
1,2,3,7,8,9-HxCDD	0.11	J Q	5.2	0.1	0.011
1,2,3,4,6,7,8-HpCDD	0.30	J B	5.2	0.01	0.0030
OCDD	0.62	J B	10	0.0003	0.00019
2,3,7,8-TCDF	0.76	J CON B	1.0	0.1	0.076
1,2,3,7,8-PeCDF	1.0	J B	5.2	0.03	0.030
2,3,4,7,8-PeCDF	0.47	J B	5.2	0.3	0.14
1,2,3,4,7,8-HxCDF	1.6	J B	5.2	0.1	0.16
1,2,3,6,7,8-HxCDF	0.85	J	5.2	0.1	0.085
2,3,4,6,7,8-HxCDF	0.27	J	5.2	0.1	0.027
1,2,3,7,8,9-HxCDF	0.16	J Q	5.2	0.1	0.016
1,2,3,4,6,7,8-HpCDF	2.0	J B	5.2	0.01	0.020
1,2,3,4,7,8,9-HpCDF	1.1	J	5.2	0.01	0.011
OCDF	4.4	J B	10	0.0003	0.0013

Total TEQ Concentration

0.68

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	40 - 135
13C-1,2,3,7,8-PeCDD	103	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	72	40 - 135
13C-OCDD	77	40 - 135
13C-2,3,7,8-TCDF	69	40 - 135
13C-1,2,3,7,8-PeCDF	101	40 - 135
13C-1,2,3,4,7,8-HxCDF	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAO6-02-1BPC_FD

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 048	Work Order #....:	LX1X41AC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	3D5
Prep Date....:	04/16/10	Analysis Date....:	04/23/10	% Moisture....:	7.4
Prep Batch #:	0106187	Dilution Factor....:	0.96	Units....:	pg/g
Initial Wgt/Vol :	10.34 g	Analyst ID....:	Grandfield S. Virginia		

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.
Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: SSAO6-02-1BPC_FD

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D080425 - 048	Work Order #....: LX1X41AC	Matrix....: SO
Date Sampled....: 04/06/10	Date Received....: 04/08/10	Dilution Factor: 0.96
Prep Date....: 04/16/10	Analysis Date....: 04/23/10	Percent Moisture: 7.4
Prep Batch #: 0106187	Instrument ID....: 3D5	
Initial Wgt/Vol : 10.34 g	Analyst ID....: Grandfield S. Virginia	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	1.0	0.025	pg/g
1,2,3,7,8-PeCDD	0.082 J	5.2	0.047	pg/g
1,2,3,4,7,8-HxCDD	ND	5.2	0.049	pg/g
1,2,3,6,7,8-HxCDD	0.14 J Q	5.2	0.040	pg/g
1,2,3,7,8,9-HxCDD	0.11 J Q	5.2	0.036	pg/g
1,2,3,4,6,7,8-HpCDD	0.30 J B	5.2	0.044	pg/g
OCDD	0.62 J B	10	0.069	pg/g
2,3,7,8-TCDF	0.76 J CON B	1.0	0.15	pg/g
1,2,3,7,8-PeCDF	1.0 J B	5.2	0.053	pg/g
2,3,4,7,8-PeCDF	0.47 J B	5.2	0.053	pg/g
1,2,3,4,7,8-HxCDF	1.6 J B	5.2	0.062	pg/g
1,2,3,6,7,8-HxCDF	0.85 J	5.2	0.054	pg/g
2,3,4,6,7,8-HxCDF	0.27 J	5.2	0.060	pg/g
1,2,3,7,8,9-HxCDF	0.16 J Q	5.2	0.063	pg/g
1,2,3,4,6,7,8-HpCDF	2.0 J B	5.2	0.043	pg/g
1,2,3,4,7,8,9-HpCDF	1.1 J	5.2	0.054	pg/g
OCDF	4.4 J B	10	0.073	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	89	40 - 135
13C-1,2,3,7,8-PeCDD	103	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	72	40 - 135
13C-OCDD	77	40 - 135
13C-2,3,7,8-TCDF	69	40 - 135
13C-1,2,3,7,8-PeCDF	101	40 - 135
13C-1,2,3,4,7,8-HxCDF	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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

Northgate Environmental Management, Inc.

Sample ID: SSAJ8-01-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 050	Work Order #....:	LX6LV1AC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/20/10	Analysis Date....:	04/28/10	% Moisture....:	5.2
Prep Batch #:	0110455	Dilution Factor....:	20	Units.....:	pg/g
Initial Wgt/Vol :	10.17 g	Analyst ID....:	Grandfield S. Virginia		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	45	10	1.0	45
1,2,3,7,8-PeCDD	180	52	1.0	180
1,2,3,4,7,8-HxCDD	140	52	0.1	14
1,2,3,6,7,8-HxCDD	280	52	0.1	28
1,2,3,7,8,9-HxCDD	270	52	0.1	27
1,2,3,4,6,7,8-HpCDD	3000	52	0.01	30
OCDD	37000	100	0.0003	11
2,3,7,8-TCDF	1100	CON G B 0.79	0.1	110
1,2,3,7,8-PeCDF	2700	B 52	0.03	81
2,3,4,7,8-PeCDF	1500	52	0.3	450
1,2,3,4,7,8-HxCDF	7400	G 66	0.1	740
1,2,3,6,7,8-HxCDF	4600	G 60	0.1	460
2,3,4,6,7,8-HxCDF	950	G 66	0.1	95
1,2,3,7,8,9-HxCDF	680	G 74	0.1	68
1,2,3,4,6,7,8-HpCDF	15000	B 52	0.01	150
1,2,3,4,7,8,9-HpCDF	6000	52	0.01	60
OCDF	36000	100	0.0003	11

Total TEQ Concentration **2600**

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	71	40 - 135
13C-1,2,3,7,8-PeCDD	78	40 - 135
13C-1,2,3,6,7,8-HxCDD	75	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	62	40 - 135
13C-OCDD	56	40 - 135
13C-2,3,7,8-TCDF	50	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	58	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	62	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAJ8-01-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 050	Work Order #....:	LX6LV1AC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Instrument ID....:	4D5
Prep Date....:	04/20/10	Analysis Date....:	04/28/10	% Moisture....:	5.2
Prep Batch #:	0110455	Dilution Factor....:	20	Units....:	pg/g
Initial Wgt/Vol :	10.17 g	Analyst ID....:	Grandfield S. Virginia		

Notes:

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

- 1 The 2,3,7,8-TCDF confirmation analysis was done on the undiluted sample extract.
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SSAJ8-01-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D080425 - 050	Work Order #....:	LX6LVIAC	Matrix....:	SO
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Dilution Factor:	20
Prep Date....:	04/20/10	Analysis Date....:	04/28/10	Percent Moisture:	5.2
Prep Batch #:	0110455	Instrument ID....:	4D5		
Initial Wgt/Vol :	10.17 g	Analyst ID....:	Grandfield S. Virginia		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	45	10	1.6	pg/g
1,2,3,7,8-PeCDD	180	52	3.4	pg/g
1,2,3,4,7,8-HxCDD	140	52	3.1	pg/g
1,2,3,6,7,8-HxCDD	280	52	2.8	pg/g
1,2,3,7,8,9-HxCDD	270	52	2.6	pg/g
1,2,3,4,6,7,8-HpCDD	3000	52	4.5	pg/g
OCDD	37000	100	3.4	pg/g
2,3,7,8-TCDF	1100	CON G B 0.79	0.79	pg/g
1,2,3,7,8-PeCDF	2700	B 52	10	pg/g
2,3,4,7,8-PeCDF	1500	52	11	pg/g
1,2,3,4,7,8-HxCDF	7400	G 66	66	pg/g
1,2,3,6,7,8-HxCDF	4600	G 60	60	pg/g
2,3,4,6,7,8-HxCDF	950	G 66	66	pg/g
1,2,3,7,8,9-HxCDF	680	G 74	74	pg/g
1,2,3,4,6,7,8-HpCDF	15000	B 52	17	pg/g
1,2,3,4,7,8,9-HpCDF	6000	52	22	pg/g
OCDF	36000	100	2.3	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	71	40 - 135
13C-1,2,3,7,8-PeCDD	78	40 - 135
13C-1,2,3,6,7,8-HxCDD	75	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	62	40 - 135
13C-OCDD	56	40 - 135
13C-2,3,7,8-TCDF	50	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	58	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	62	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- I The 2,3,7,8-TCDF confirmation analysis was done on the undiluted sample extract.
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

G0D080425

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>
002	SO	SW846 4025 MOD		0098421	
003	SO	SW846 4025 MOD		0098421	
004	SO	TAL-SOP Dioxin Sc		0105310	
005	SO	TAL-SOP Dioxin Sc		0105310	
014	SO	TAL-SOP Dioxin Sc		0105310	
015	SO	TAL-SOP Dioxin Sc		0105310	
016	SO	SW846 4025 MOD		0098421	
017	SO	SW846 4025 MOD		0098421	
018	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
	SO	SW846 4025 MOD		0098421	
019	SO	SW846 4025 MOD		0098421	
022	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
028	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
	SO	SW846 4025 MOD		0098421	
029	SO	SW846 4025 MOD		0098421	
035	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
	SO	SW846 4025 MOD		0098421	
036	SO	SW846 4025 MOD		0098421	
040	SO	SW846 4025 MOD		0098421	
041	SO	SW846 4025 MOD		0098421	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G0D080425

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>
042	SO	TAL-SOP Dioxin Sc		0105310	
043	SO	TAL-SOP Dioxin Sc		0105310	
047	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
048	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
050	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0109283	0109145
	SO	TAL-SOP Dioxin Sc		0105310	

Method Blank Report
Trace Level Organic Compounds
SW846 8290

Lot - Sample #....:	G0D160000 - 187B	Work Order #....:	LX3CP1AA	Matrix....:	SOLID
Date Sampled....:	04/06/10	Date Received....:	04/08/10	Dilution Factor:	1
Prep Date....:	04/16/10	Analysis Date....:	04/21/10	Percent Moisture:	0.0
Prep Batch #:	0106187	Instrument ID....:	4D5		
Initial Wgt/Vol :	10 g	Analyst ID....:	Alora Kuczynski		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	0.036 J Q	1.0	0.014	pg/g
1,2,3,7,8-PeCDD	ND	5.0	0.053	pg/g
1,2,3,4,7,8-HxCDD	ND	5.0	0.055	pg/g
1,2,3,6,7,8-HxCDD	ND	5.0	0.050	pg/g
1,2,3,7,8,9-HxCDD	ND	5.0	0.051	pg/g
1,2,3,4,6,7,8-HpCDD	0.14 J	5.0	0.077	pg/g
OCDD	0.45 J	10	0.12	pg/g
2,3,7,8-TCDF	0.088 J	1.0	0.013	pg/g
1,2,3,7,8-PeCDF	0.040 J Q	5.0	0.023	pg/g
2,3,4,7,8-PeCDF	0.062 J Q	5.0	0.024	pg/g
1,2,3,4,7,8-HxCDF	0.054 J Q	5.0	0.035	pg/g
1,2,3,6,7,8-HxCDF	ND	5.0	0.032	pg/g
2,3,4,6,7,8-HxCDF	ND	5.0	0.035	pg/g
1,2,3,7,8,9-HxCDF	ND	5.0	0.039	pg/g
1,2,3,4,6,7,8-HpCDF	0.076 J	5.0	0.059	pg/g
1,2,3,4,7,8,9-HpCDF	ND	5.0	0.076	pg/g
OCDF	0.15 J	10	0.073	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	91	40 - 135
13C-1,2,3,7,8-PeCDD	69	40 - 135
13C-1,2,3,6,7,8-HxCDD	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	119	40 - 135
13C-OCDD	106	40 - 135
13C-2,3,7,8-TCDF	85	40 - 135
13C-1,2,3,7,8-PeCDF	78	40 - 135
13C-1,2,3,4,7,8-HxCDF	107	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	105	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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

Method Blank Report
Trace Level Organic Compounds
SW846 8290

Lot - Sample #....:	G0D200000 - 455B	Work Order #....:	LX85A1AA	Matrix....:	SOLID
Date Sampled....:	04/15/10	Date Received....:	04/17/10	Dilution Factor:	1
Prep Date....:	04/20/10	Analysis Date....:	04/26/10	Percent Moisture:	0.0
Prep Batch #:	0110455	Instrument ID....:	1D5		
Initial Wgt/Vol :	10 g	Analyst ID....:	Grandfield S. Virginia		

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND		0.50	0.092	pg/g
1,2,3,7,8-PeCDD	ND		2.5	0.27	pg/g
1,2,3,4,7,8-HxCDD	ND		2.5	0.24	pg/g
1,2,3,6,7,8-HxCDD	ND		2.5	0.22	pg/g
1,2,3,7,8,9-HxCDD	ND		2.5	0.18	pg/g
1,2,3,4,6,7,8-HpCDD	ND		2.5	0.25	pg/g
OCDD	ND		5.0	0.35	pg/g
2,3,7,8-TCDF	0.31	J	0.50	0.10	pg/g
1,2,3,7,8-PeCDF	0.31	J Q	2.5	0.18	pg/g
2,3,4,7,8-PeCDF	ND		2.5	0.19	pg/g
1,2,3,4,7,8-HxCDF	ND		2.5	0.30	pg/g
1,2,3,6,7,8-HxCDF	ND		2.5	0.27	pg/g
2,3,4,6,7,8-HxCDF	ND		2.5	0.29	pg/g
1,2,3,7,8,9-HxCDF	ND		2.5	0.27	pg/g
1,2,3,4,6,7,8-HpCDF	0.30	J	2.5	0.18	pg/g
1,2,3,4,7,8,9-HpCDF	ND		2.5	0.20	pg/g
OCDF	ND		5.0	0.38	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
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

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D080425	Work Order # ...:	LX3CP1AC-LCS	Matrix	SOLID
LCS Lot-Sample# :	G0D160000 - 187				
Prep Date	04/16/10	Analysis Date ..:	04/21/10		
Prep Batch # ...:	0106187				
Dilution Factor :	1				
Analyst ID.....:	Alora Kuczynski	Instrument ID...:	4D5	Method.....:	SW846 8290
Initial Wgt/Vol:	10 g				

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,3,7,8-TCDD	20.0	20.2	pg/g	101	(77 - 130)
1,2,3,7,8-PeCDD	100	103	pg/g	103	(79 - 134)
1,2,3,4,7,8-HxCDD	100	96.0	pg/g	96	(65 - 144)
1,2,3,6,7,8-HxCDD	100	104	pg/g	104	(73 - 147)
1,2,3,7,8,9-HxCDD	100	101	pg/g	101	(80 - 143)
1,2,3,4,6,7,8-HpCDD	100	101	pg/g	101	(86 - 134)
OCDD	200	206	pg/g	103	(80 - 137)
2,3,7,8-TCDF	20.0	21.4	pg/g	107	(79 - 137)
1,2,3,7,8-PeCDF	100	102	pg/g	102	(81 - 134)
2,3,4,7,8-PeCDF	100	98.7	pg/g	99	(76 - 132)
1,2,3,4,7,8-HxCDF	100	107	pg/g	107	(72 - 140)
1,2,3,6,7,8-HxCDF	100	91.5	pg/g	91	(63 - 152)
2,3,4,6,7,8-HxCDF	100	89.2	pg/g	89	(72 - 151)
1,2,3,7,8,9-HxCDF	100	94.0	pg/g	94	(72 - 152)
1,2,3,4,6,7,8-HpCDF	100	104	pg/g	104	(81 - 137)
1,2,3,4,7,8,9-HpCDF	100	110	pg/g	110	(79 - 139)
OCDF	200	204	pg/g	102	(75 - 141)

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	67	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	124	(40 - 135)
13C-OCDD	111	(40 - 135)
13C-2,3,7,8-TCDF	86	(40 - 135)
13C-1,2,3,7,8-PeCDF	80	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	112	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	105	(40 - 135)

Notes:

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 # ...: G0D080425 Work Order # ...: LX85A1AC-LCS Matrix: SOLID
 LCS Lot-Sample#: G0D200000 - 455
 Prep Date: 04/20/10 Analysis Date ..: 04/26/10
 Prep Batch # ...: 0110455
 Dilution Factor : 1
 Analyst ID.....: Grandfield S. Virginia Instrument ID..: 1D5 Method.....: SW846 8290
 Initial Wgt/Vol: 10 g

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,3,7,8-TCDD	20.0	19.1	pg/g	96	(77 - 130)
1,2,3,7,8-PeCDD	100	103	pg/g	103	(79 - 134)
1,2,3,4,7,8-HxCDD	100	95.5	pg/g	95	(65 - 144)
1,2,3,6,7,8-HxCDD	100	105	pg/g	105	(73 - 147)
1,2,3,7,8,9-HxCDD	100	95.7	pg/g	96	(80 - 143)
1,2,3,4,6,7,8-HpCDD	100	102	pg/g	102	(86 - 134)
OCDD	200	215	pg/g	108	(80 - 137)
2,3,7,8-TCDF	20.0	20.8	pg/g	104	(79 - 137)
1,2,3,7,8-PeCDF	100	97.2	pg/g	97	(81 - 134)
2,3,4,7,8-PeCDF	100	105	pg/g	105	(76 - 132)
1,2,3,4,7,8-HxCDF	100	108	pg/g	108	(72 - 140)
1,2,3,6,7,8-HxCDF	100	107	pg/g	107	(63 - 152)
2,3,4,6,7,8-HxCDF	100	124	pg/g	124	(72 - 151)
1,2,3,7,8,9-HxCDF	100	111	pg/g	111	(72 - 152)
1,2,3,4,6,7,8-HpCDF	100	102	pg/g	102	(81 - 137)
1,2,3,4,7,8,9-HpCDF	100	81.4	pg/g	81	(79 - 139)
OCDF	200	198	pg/g	99	(75 - 141)

<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)

Notes:

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

Bold print denotes control parameters

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D080425	Work Order # ...:	LXM7T1AD-MS	Matrix	SOLID
OS Lot-Sample# :	G0D080425 - 022		LXM7T1AE-MSD		
Prep Date	04/16/10	Analysis Date ...:	04/21/10		
Prep Batch # ...:	0106187				
Dilution Factor :	0.96				
Analyst ID.....:	Grandfield S. Virginia	Instrument ID...:	4D5	Method.....:	SW846 8290
Initial Wgt/Vol:	10.07 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	ND	21.9	21.5	pg/g	98 B	(77 - 130)		
	ND	21.9	20.6	pg/g	94 B	(77 - 130)	4.0	(0 - 30)
1,2,3,7,8-PeCDD	ND	110	104	pg/g	95	(79 - 134)		
	ND	110	109	pg/g	99	(79 - 134)	4.7	(0 - 29)
1,2,3,4,7,8-HxCDD	ND	110	102	pg/g	93	(65 - 144)		
	ND	110	131	pg/g	119	(65 - 144)	24	(0 - 36)
1,2,3,6,7,8-HxCDD	0.077	110	107	pg/g	98	(73 - 147)		
	0.077	110	128	pg/g	117	(73 - 147)	18	(0 - 36)
1,2,3,7,8,9-HxCDD	0.11	110	94.1	pg/g	86	(80 - 143)		
	0.11	110	128	pg/g	116	(80 - 143)	30	(0 - 31)
1,2,3,4,6,7,8-HpCDD	0.14	110	107	pg/g	98 B	(86 - 134)		
	0.14	110	146	pg/g	133 p B	(86 - 134)	30	(0 - 28)
OCDD	0.72	219	228	pg/g	104 B	(80 - 137)		
	0.72	219	376	pg/g	171 a p B	(80 - 137)	49	(0 - 32)
2,3,7,8-TCDF	0.12	21.9	22.3	pg/g	101 B	(79 - 137)		
	0.12	21.9	23.1	pg/g	105 B	(79 - 137)	3.5	(0 - 30)
1,2,3,7,8-PeCDF	0.12	110	105	pg/g	96 B	(81 - 134)		
	0.12	110	112	pg/g	102 B	(81 - 134)	6.5	(0 - 27)
2,3,4,7,8-PeCDF	0.084	110	103	pg/g	94 B	(76 - 132)		
	0.084	110	117	pg/g	107 B	(76 - 132)	13	(0 - 31)
1,2,3,4,7,8-HxCDF	0.093	110	112	pg/g	102 B	(72 - 140)		
	0.093	110	132	pg/g	121 B	(72 - 140)	16	(0 - 32)
1,2,3,6,7,8-HxCDF	0.071	110	84.5	pg/g	77	(63 - 152)		
	0.071	110	125	pg/g	114 p	(63 - 152)	39	(0 - 38)
2,3,4,6,7,8-HxCDF	0.040	110	83.5	pg/g	76	(72 - 151)		
	0.040	110	136	pg/g	124 p	(72 - 151)	48	(0 - 35)
1,2,3,7,8,9-HxCDF	ND	110	88.3	pg/g	81	(72 - 152)		
	ND	110	148	pg/g	135 p	(72 - 152)	50	(0 - 36)
1,2,3,4,6,7,8-HpCDF	0.21	110	110	pg/g	101 B	(81 - 137)		
	0.21	110	152	pg/g	139 a B	(81 - 137)	32	(0 - 33)
1,2,3,4,7,8,9-HpCDF	ND	110	132	pg/g	120	(79 - 139)		
	ND	110	187	pg/g	171 a	(79 - 139)	35	(0 - 35)
OCDF	0.49	219	268	pg/g	122 B	(75 - 141)		
	0.49	219	400	pg/g	182 a B	(75 - 141)	39	(0 - 45)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: G0D080425	Work Order # ...: LXM7T1AD-MS	Matrix : SOLID
OS Lot-Sample# : G0D080425 - 022	LXM7T1AE-MSD	
Prep Date : 04/16/10	Analysis Date ..: 04/21/10	
Prep Batch # ...: 0106187		
Dilution Factor : 0.96		
Analyst ID.....: Grandfield S. Virginia	Instrument ID.: 4D5	Method.....: SW846 8290
Initial Wgt/Vol: 10.07 g		

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	90	(40 - 135)
	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	61	(40 - 135)
	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	88	(40 - 135)
	59	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
	43	(40 - 135)
13C-OCDD	56	(40 - 135)
	28 *	(40 - 135)
13C-2,3,7,8-TCDF	81	(40 - 135)
	75	(40 - 135)
13C-1,2,3,7,8-PeCDF	69	(40 - 135)
	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	109	(40 - 135)
	56	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	76	(40 - 135)
	36 *	(40 - 135)

Notes:

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

Bold print denotes control parameters

- * Surrogate recovery is outside stated control limits.
- a Spiked analyte recovery is outside stated control limits.
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- p Relative percent difference (RPD) is outside stated control limits.

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: G0D080425 Work Order # ...: LX0W31AD-MS Matrix: SOLID
 OS Lot-Sample# : G0D140560 - 001 LX0W31AE-MSD
 Prep Date: 04/16/10 Analysis Date ..: 04/23/10
 Prep Batch # ...: 0106187
 Dilution Factor : 0.96
 Analyst ID.....: Alora Kuczynski Instrument ID.: 3D5 Method.....: SW846 8290
 Initial Wgt/Vol: 10.06 g

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	ND	19.7	21.1	pg/g	107	(77 - 130)		
	ND	20.3	21.8	pg/g	108	(77 - 130)	3.3	(0 - 30)
1,2,3,7,8-PeCDD	ND	98.3	99.3	pg/g	101	(79 - 134)		
	ND	102	100	pg/g	99	(79 - 134)	0.98	(0 - 29)
1,2,3,4,7,8-HxCDD	ND	98.3	104	pg/g	106	(65 - 144)		
	ND	102	86.0	pg/g	85	(65 - 144)	19	(0 - 36)
1,2,3,6,7,8-HxCDD	ND	98.3	107	pg/g	109	(73 - 147)		
	ND	102	101	pg/g	100	(73 - 147)	5.5	(0 - 36)
1,2,3,7,8,9-HxCDD	ND	98.3	79.7	pg/g	81	(80 - 143)		
	ND	102	77.3	pg/g	76 a	(80 - 143)	3.0	(0 - 31)
1,2,3,4,6,7,8-HpCDD	0.40	98.3	104	pg/g	106	(86 - 134)		
	0.40	102	91.7	pg/g	90	(86 - 134)	13	(0 - 28)
OCDD	2.6	197	222	pg/g	112	(80 - 137)		
	2.6	203	167	pg/g	81	(80 - 137)	28	(0 - 32)
2,3,7,8-TCDF	0.12	19.7	19.0	pg/g	96	(79 - 137)		
	0.12	20.3	18.6	pg/g	91	(79 - 137)	2.5	(0 - 30)
1,2,3,7,8-PeCDF	ND	98.3	101	pg/g	103	(81 - 134)		
	ND	102	97.8	pg/g	96	(81 - 134)	3.3	(0 - 27)
2,3,4,7,8-PeCDF	ND	98.3	102	pg/g	104	(76 - 132)		
	ND	102	105	pg/g	104	(76 - 132)	2.7	(0 - 31)
1,2,3,4,7,8-HxCDF	ND	98.3	106	pg/g	108	(72 - 140)		
	ND	102	99.0	pg/g	98	(72 - 140)	6.5	(0 - 32)
1,2,3,6,7,8-HxCDF	ND	98.3	102	pg/g	104	(63 - 152)		
	ND	102	97.4	pg/g	96	(63 - 152)	4.7	(0 - 38)
2,3,4,6,7,8-HxCDF	ND	98.3	103	pg/g	104	(72 - 151)		
	ND	102	103	pg/g	101	(72 - 151)	0.31	(0 - 35)
1,2,3,7,8,9-HxCDF	ND	98.3	97.1	pg/g	99	(72 - 152)		
	ND	102	95.4	pg/g	94	(72 - 152)	1.7	(0 - 36)
1,2,3,4,6,7,8-HpCDF	ND	98.3	102	pg/g	104	(81 - 137)		
	ND	102	87.6	pg/g	86	(81 - 137)	15	(0 - 33)
1,2,3,4,7,8,9-HpCDF	ND	98.3	124	pg/g	126	(79 - 139)		
	ND	102	94.0	pg/g	93	(79 - 139)	28	(0 - 35)
OCDF	ND	197	255	pg/g	130	(75 - 141)		
	ND	203	181	pg/g	89	(75 - 141)	34	(0 - 45)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: G0D080425	Work Order # ...: LX0W31AD-MS	Matrix : SOLID
OS Lot-Sample# : G0D140560 - 001	LX0W31AE-MSD	
Prep Date : 04/16/10	Analysis Date ..: 04/23/10	
Prep Batch # ...: 0106187		
Dilution Factor : 0.96		
Analyst ID.....: Alora Kuczynski	Instrument ID.: 3D5	Method.....: SW846 8290
Initial Wgt/Vol: 10.06 g		

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	(40 - 135)
	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	109	(40 - 135)
	106	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
	87	(40 - 135)
13C-OCDD	65	(40 - 135)
	81	(40 - 135)
13C-2,3,7,8-TCDF	103	(40 - 135)
	104	(40 - 135)
13C-1,2,3,7,8-PeCDF	104	(40 - 135)
	103	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	99	(40 - 135)
	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)
	86	(40 - 135)

Notes:

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D080425	Work Order # ...:	LX0PR1AF-MS	Matrix	SOLID
OS Lot-Sample# :	G0D140543 - 010		LX0PR1AG-MSD		
Prep Date	04/20/10	Analysis Date ..:	04/29/10		
Prep Batch # ...:	0110455				
Dilution Factor :	0.99				
Analyst ID.....:	Alora Kuczynski	Instrument ID.:	1D5	Method.....:	SW846 8290
Initial Wgt/Vol:	10.05 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	5.1	21.2	29.1	pg/g	113	(77 - 130)		
	5.1	21.0	31.6	pg/g	126	(77 - 130)	8.3	(0 - 30)
1,2,3,7,8-PeCDD	16	106	139	pg/g	116	(79 - 134)		
	16	105	152	pg/g	130	(79 - 134)	9.1	(0 - 29)
1,2,3,4,7,8-HxCDD	9.6	106	116	pg/g	101	(65 - 144)		
	9.6	105	142	pg/g	126	(65 - 144)	20	(0 - 36)
1,2,3,6,7,8-HxCDD	20	106	151	pg/g	123	(73 - 147)		
	20	105	164	pg/g	138	(73 - 147)	8.8	(0 - 36)
1,2,3,7,8,9-HxCDD	15	106	130	pg/g	109	(80 - 143)		
	15	105	157	pg/g	136	(80 - 143)	19	(0 - 31)
1,2,3,4,6,7,8-HpCDD	77	106	225	pg/g	139 a	(86 - 134)		
	77	105	260	pg/g	175 a	(86 - 134)	15	(0 - 28)
OCDD	85	212	344	pg/g	122	(80 - 137)		
	85	210	383	pg/g	142 a	(80 - 137)	11	(0 - 32)
2,3,7,8-TCDF	100	21.2	162	pg/g	282 a G CON	(79 - 137)		
	100	21.0	188	pg/g	407 a G CON	(79 - 137)	15	(0 - 30)
1,2,3,7,8-PeCDF	230	106	438	pg/g	193 a	(81 - 134)		
	230	105	472	pg/g	226 a	(81 - 134)	7.3	(0 - 27)
2,3,4,7,8-PeCDF	140	106	299	pg/g	153 a	(76 - 132)		
	140	105	289	pg/g	145 a	(76 - 132)	3.2	(0 - 31)
1,2,3,4,7,8-HxCDF	520	106	863	pg/g	326 a G	(72 - 140)		
	520	105	947	pg/g	410 a G	(72 - 140)	9.4	(0 - 32)
1,2,3,6,7,8-HxCDF	320	106	549	pg/g	220 a G	(63 - 152)		
	320	105	595	pg/g	267 a G	(63 - 152)	8.2	(0 - 38)
2,3,4,6,7,8-HxCDF	71	106	224	pg/g	145 G	(72 - 151)		
	71	105	199	pg/g	123 G	(72 - 151)	12	(0 - 35)
1,2,3,7,8,9-HxCDF	45	106	169	pg/g	117 G	(72 - 152)		
	45	105	188	pg/g	137 G	(72 - 152)	11	(0 - 36)
1,2,3,4,6,7,8-HpCDF	1200	106	1790	pg/g	544 a E	(81 - 137)		
	1200	105	2000	pg/g	747 a E	(81 - 137)	11	(0 - 33)
1,2,3,4,7,8,9-HpCDF	490	106	715	pg/g	209 a	(79 - 139)		
	490	105	733	pg/g	229 a	(79 - 139)	2.6	(0 - 35)
OCDF	3900	212	4340	pg/g	210 a E	(75 - 141)		
	3900	210	5050	pg/g	551 a E	(75 - 141)	15	(0 - 45)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: G0D080425	Work Order # ...: LX0PR1AF-MS	Matrix : SOLID
OS Lot-Sample# : G0D140543 - 010	LX0PR1AG-MSD	
Prep Date : 04/20/10	Analysis Date ..: 04/29/10	
Prep Batch # ...: 0110455		
Dilution Factor : 0.99		
Analyst ID.....: Alora Kuczynski	Instrument ID.: 1D5	Method.....: SW846 8290
Initial Wgt/Vol: 10.05 g		

<u>INTERNAL STANDARD</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)

Notes:

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

Bold print denotes control parameters

- a Spiked analyte recovery is outside stated control limits.
- CO Confirmation analysis.
- E Estimated result. Result concentration exceeds the calibration range.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SOLID, D 2216-90, Percent Moisture

Northgate Environmental Management, Inc.

Client Sample ID: SSA06-02-1BPC

General Chemistry

Lot-Sample #...: GOD080425-018 Work Order #...: LXM7K Matrix.....: SO
Date Sampled...: 04/06/10 Date Received...: 04/08/10
% Moisture.....: 8.2

<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	8.2	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSA06-02-5BPC

General Chemistry

Lot-Sample #...: GOD080425-022 Work Order #...: LXM7T Matrix.....: SO
Date Sampled...: 04/06/10 Date Received...: 04/08/10
% Moisture.....: 8.7

<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	8.7	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: RSAQ3-3BPC

General Chemistry

Lot-Sample #...: GOD080425-028 Work Order #...: LXM73 Matrix.....: SO
Date Sampled...: 04/06/10 Date Received...: 04/08/10
% Moisture.....: 7.2

<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	7.2	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA169-3BPC

General Chemistry

Lot-Sample #...: GOD080425-035 Work Order #...: LXM8R Matrix.....: SO
Date Sampled...: 04/06/10 Date Received...: 04/08/10
% Moisture.....: 7.0

<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	7.1	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: RSAQ3-3BPC_FD

General Chemistry

Lot-Sample #...: GOD080425-047 Work Order #...: LX1XL Matrix.....: SO
Date Sampled...: 04/06/10 Date Received...: 04/08/10
% Moisture.....: 5.9

<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	5.9	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAO6-02-1BPC_FD

General Chemistry

Lot-Sample #...: GOD080425-048 Work Order #...: LX1X4 Matrix.....: SO
Date Sampled...: 04/06/10 Date Received...: 04/08/10
% Moisture.....: 7.4

<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	7.4	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAJ8-01-3BPC

General Chemistry

Lot-Sample #....: GOD080425-050
Date Sampled....: 04/06/10
% Moisture.....: 5.2

Work Order #....: LX6LV
Date Received...: 04/08/10

Matrix.....: SO

<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	5.3	0.10	%	ASTM D 2216-90	04/19-04/20/10	0109283

Dilution Factor: 1

QC DATA ASSOCIATION SUMMARY

G0D080425

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>
002	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
003	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
004	SO	TAL-SOP Dioxin Sc		0105310	
005	SO	TAL-SOP Dioxin Sc		0105310	
014	SO	TAL-SOP Dioxin Sc		0105310	
015	SO	TAL-SOP Dioxin Sc		0105310	
016	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
017	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
018	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
019	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
022	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
028	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
029	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
035	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G0D080425

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>
036	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
040	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
041	SO	TAL-SOP Dioxin Sc		0125287	
	SO	SW846 4025 MOD		0098421	
042	SO	TAL-SOP Dioxin Sc		0105310	
043	SO	TAL-SOP Dioxin Sc		0105310	
047	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
048	SO	SW846 8290		0106187	0110188
	SO	ASTM D 2216-90		0105351	0105229
050	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0109283	0109145
	SO	TAL-SOP Dioxin Sc		0105310	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: GOD080425

Work Order #....: LXM7K-SMP
LXM7K-DUP

Matrix.....: SO

Date Sampled....: 04/06/10

Date Received...: 04/08/10

% Moisture.....: 8.2

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	8.2	8.3	%	0.15	(0-20)	ASTM D 2216-90	SD Lot-Sample #: GOD080425-018 04/15-04/16/10	0105351

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: GOD080425

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

Matrix.....: SOLID

Date Sampled....: 04/07/10

Date Received...: 04/09/10

% Moisture.....: 5.2

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture						SD Lot-Sample #:	GOD090441-010	
	5.2	5.2	%	0.069	(0-20)	ASTM D 2216-90	04/19-04/20/10	0109283

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

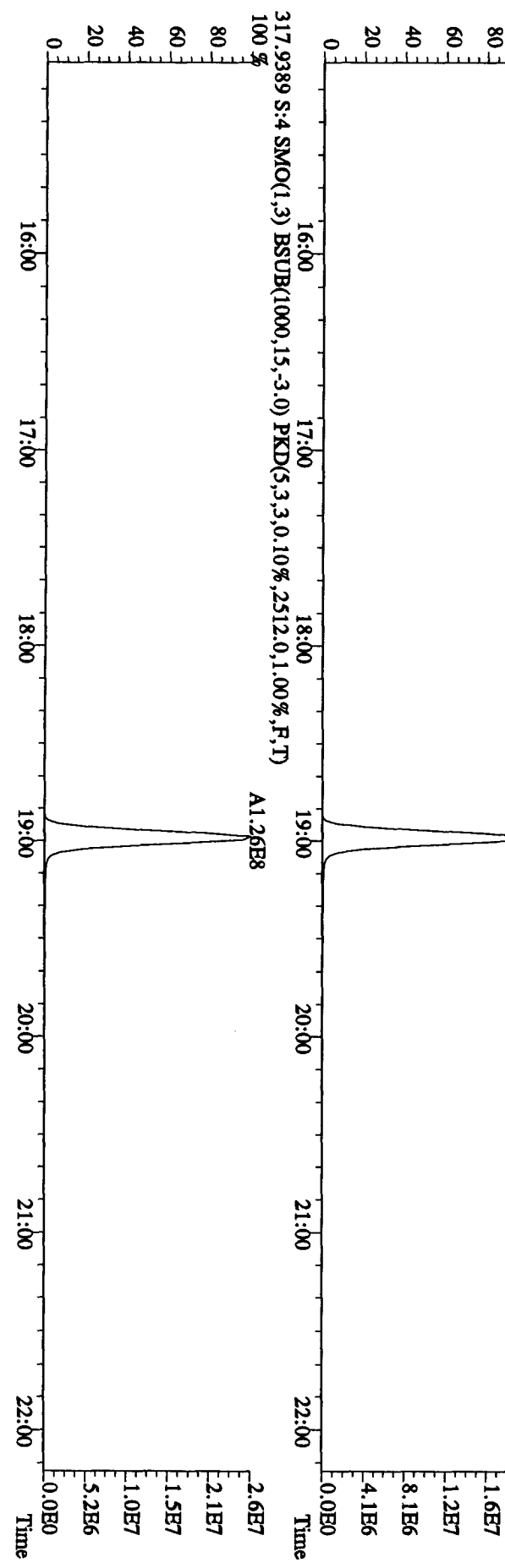
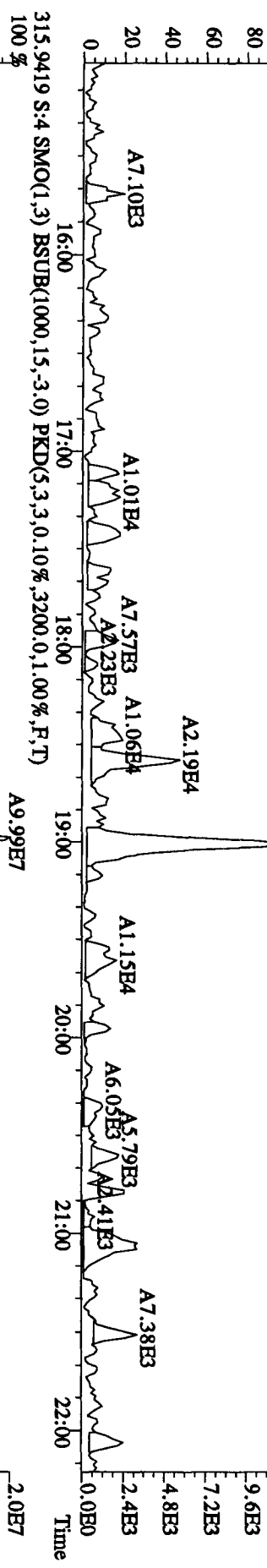
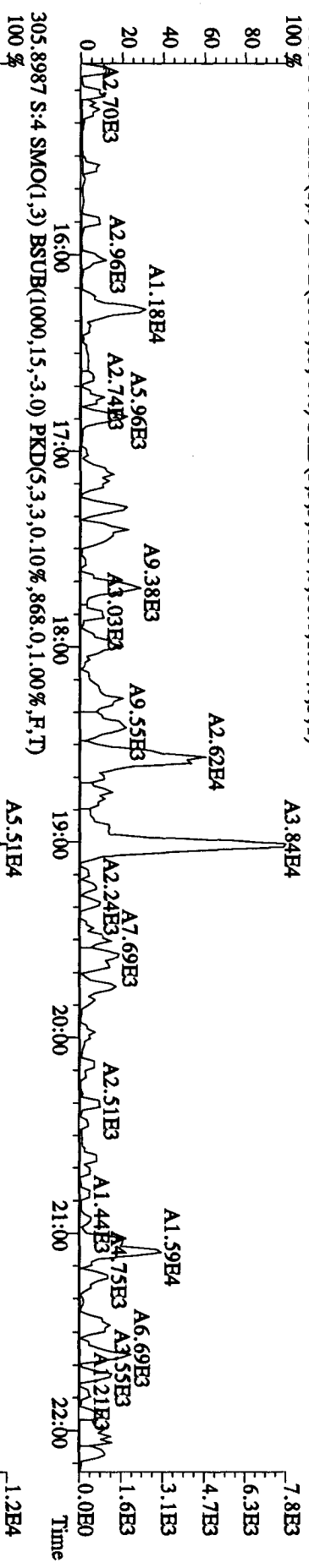
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 Acquired: 21-APR-10 10:34:34 Processed: 21-APR-10 16:58:08
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.00 g

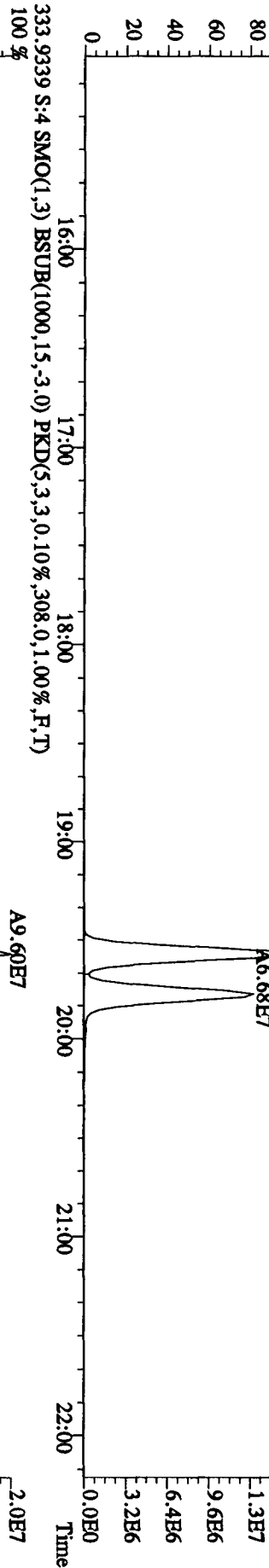
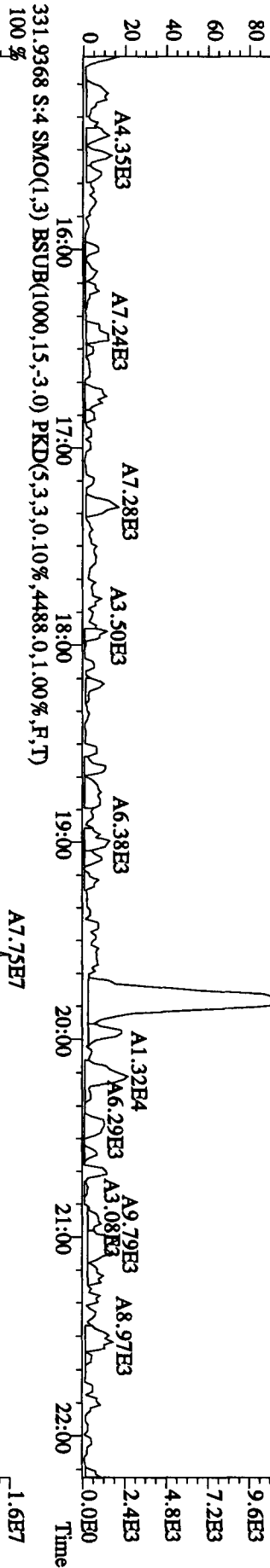
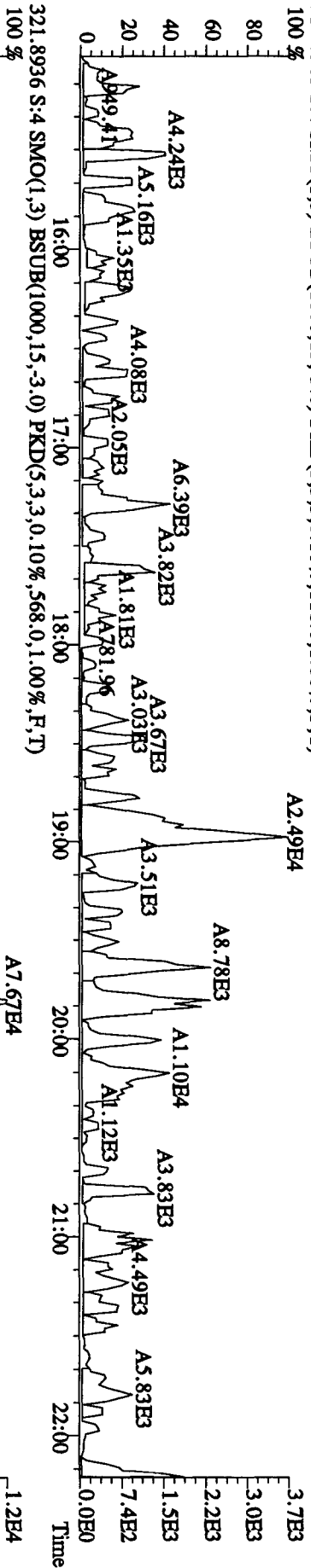
V84.2.6

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	173423200	0.81 y	19:34	-	13.0355	-	-	n
13C-2,3,7,8-TCDF	225552000	0.80 y	18:59	1.52	171.0469	0.0630	85.5	n
2,3,7,8-TCDF	93427	0.70 y	19:01	0.95	0.0876	0.0132	-	n
Total TCDF	325110	1.45 n	17:07	0.95	0.3050	0.0132	-	n
13C-2,3,7,8-TCDD	150609500	0.80 y	19:46	0.95	182.8919	0.0849	91.4	n
2,3,7,8-TCDD	27327	0.16 n	19:48	1.02	0.0355	0.0137	-	n
Total TCDD	183810	0.55 n	15:11	1.02	0.2391	0.0137	-	n
37Cl-2,3,7,8-TCDD	139981800	1.00 y	19:47	2.26	71.3898	0.0010	89.2	n
13C-1,2,3,7,8-PeCDF	141491800	1.60 y	24:41	1.05	155.3569	0.0377	77.7	n
1,2,3,7,8-PeCDF	29517	1.09 n	24:42	1.04	0.0399	0.0231	-	n
2,3,4,7,8-PeCDF	42813	1.24 n	26:14	0.98	0.0616	0.0245	-	n
Total F2 PeCDF	258064	0.15 n	22:29	1.01	0.3506	0.0238	-	n
Total F1 PeCDF	93875	0.53 n	15:19	1.01	0.1509	0.0247	-	n
13C-1,2,3,7,8-PeCDD	80047700	1.58 y	27:01	0.67	137.6872	0.0470	68.8	n
1,2,3,7,8-PeCDD	*	* n	Not Fnd	0.98	*	0.0532	-	n
Total PeCDD	64701	0.97 n	22:26	0.98	0.1646	0.0532	-	n
13C-1,2,3,7,8,9-HxCDD	87802200	1.30 y	33:08	-	8.5446	-	-	n
13C-1,2,3,4,7,8-HxCDF	96132500	0.52 y	31:58	1.02	213.6630	0.0559	106.8	n
1,2,3,4,7,8-HxCDF	31524	0.59 n	31:59	1.21	0.0541	0.0353	-	n
1,2,3,6,7,8-HxCDF	18878	0.98 n	32:06	1.34	0.0292	0.0319	-	n
2,3,4,6,7,8-HxCDF	8915	1.68 n	32:40	1.22	0.0152	0.0350	-	n
1,2,3,7,8,9-HxCDF	17337	3.64 n	33:22	1.09	0.0330	0.0392	-	n
Total HxCDF	168841	0.33 n	30:35	1.22	0.2890	0.0352	-	n
13C-1,2,3,6,7,8-HxCDD	63789700	1.30 y	32:52	0.81	180.0384	0.0079	90.0	n
1,2,3,4,7,8-HxCDD	12057	1.46 n	32:48	1.01	0.0375	0.0552	-	n
1,2,3,6,7,8-HxCDD	5962	0.85 n	32:57	1.11	0.0168	0.0499	-	n
1,2,3,7,8,9-HxCDD	19792	0.66 n	33:08	1.21	0.0513	0.0459	-	n
Total HxCDD	76177	3.08 n	31:58	1.11	0.2140	0.0500	-	n
13C-1,2,3,4,6,7,8-HpCDF	79449100	0.43 y	34:38	0.86	209.8017	1.4622	104.9	n
1,2,3,4,6,7,8-HpCDF	39453	1.05 y	34:39	1.31	0.0758	0.0591	-	n
1,2,3,4,7,8,9-HpCDF	20732	1.39 n	35:47	1.03	0.0509	0.0755	-	n
Total HpCDF	60185	1.05 y	34:39	1.17	0.1267	0.0663	-	n
13C-1,2,3,4,6,7,8-HpCDD	73124800	1.06 y	35:27	0.70	238.8077	0.2797	119.4	n
1,2,3,4,6,7,8-HpCDD	55683	1.09 y	35:27	1.07	0.1421	0.0773	-	n
Total HpCDD	121152	3.02 n	34:38	1.07	0.3091	0.0773	-	n
13C-OCDD	99107800	0.90 y	37:58	0.53	424.8363	0.1430	106.2	n
OCDF	55145	0.95 y	38:06	1.45	0.1540	0.0727	-	n
OCDD	130691	0.88 y	37:59	1.17	0.4523	0.1243	-	n

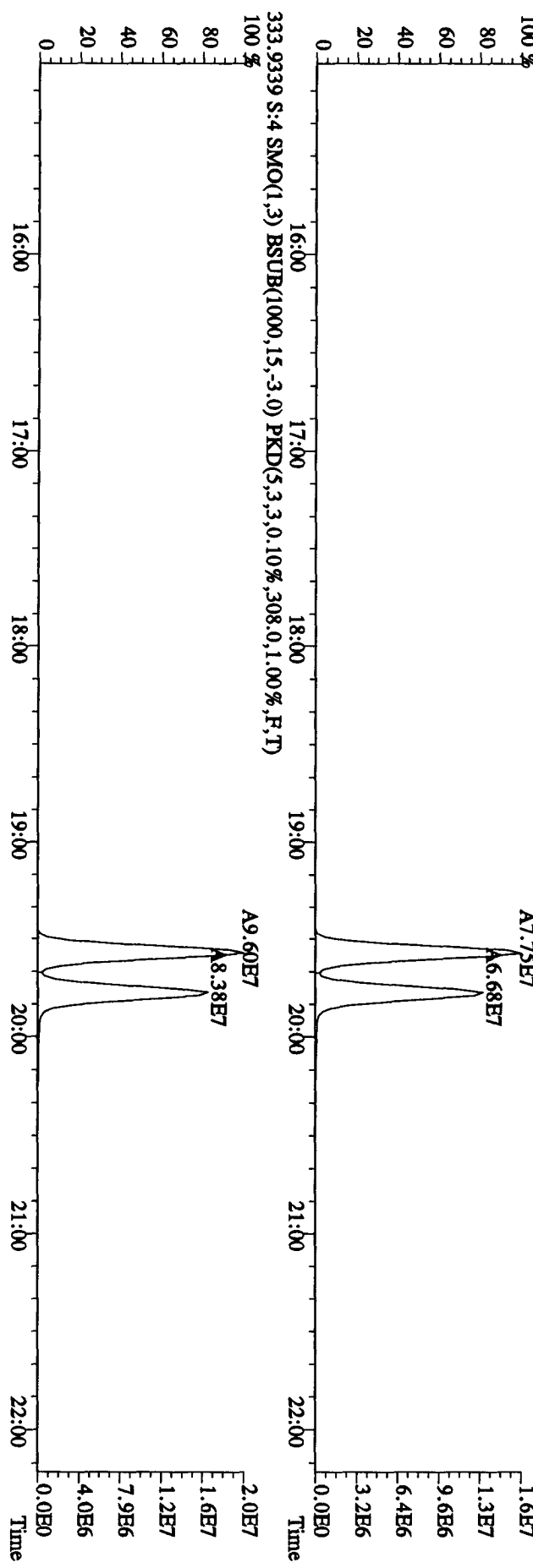
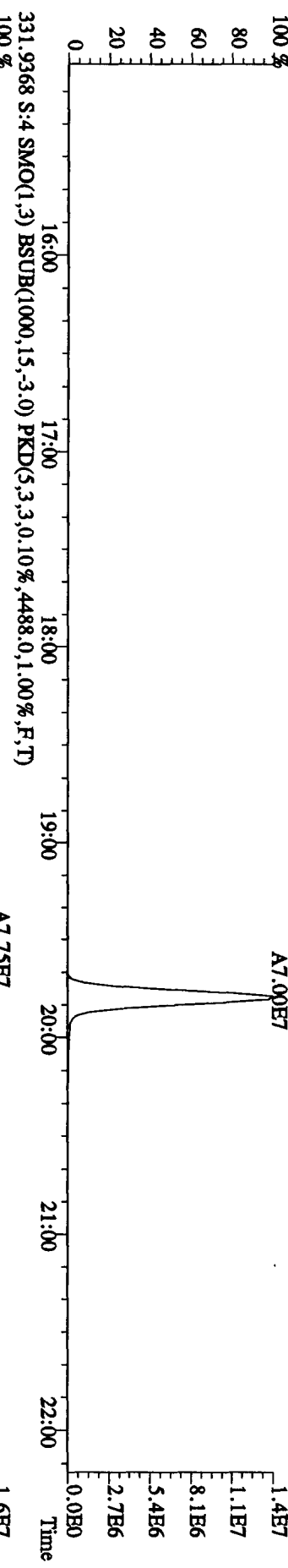
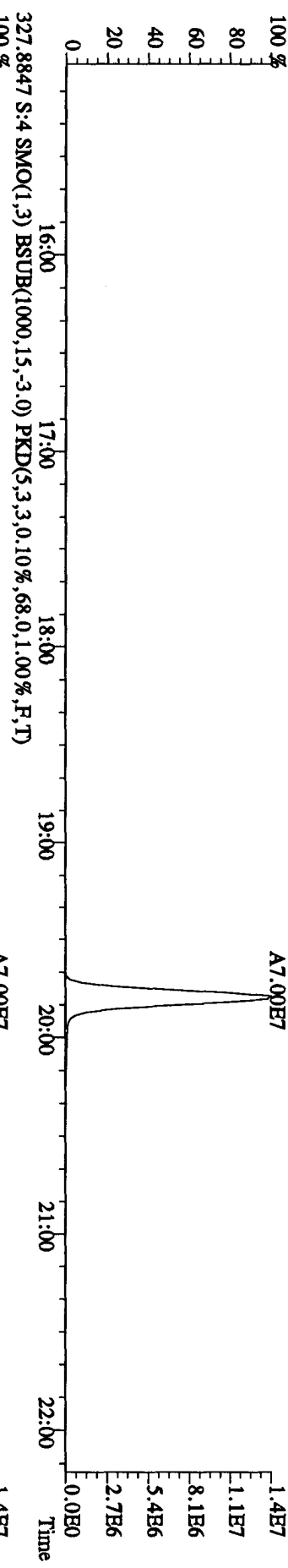
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 Sample#4 Text:LX3CP-1-AA :GDD160000-187B Exp:DIOXINRES8290A
 305.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.88,0,1,00%,F,T)



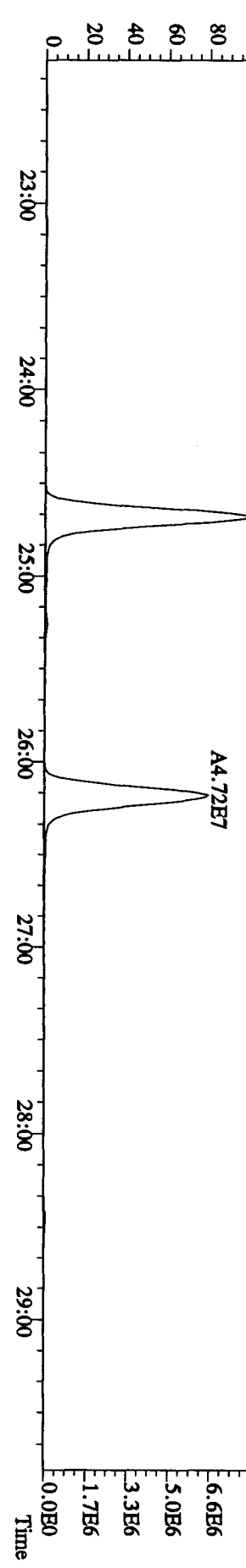
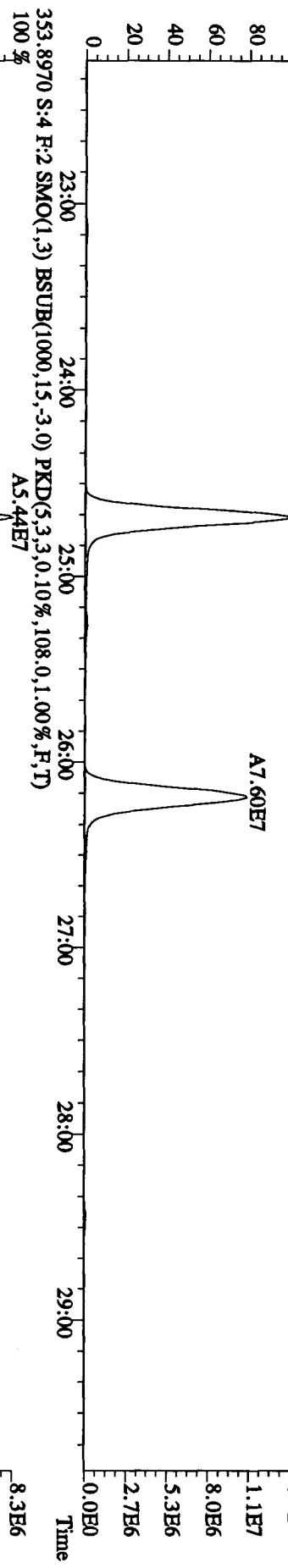
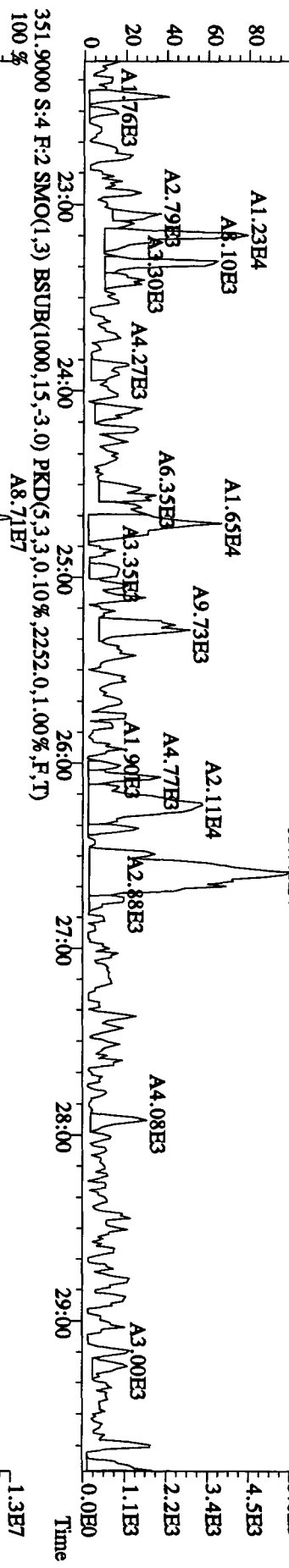
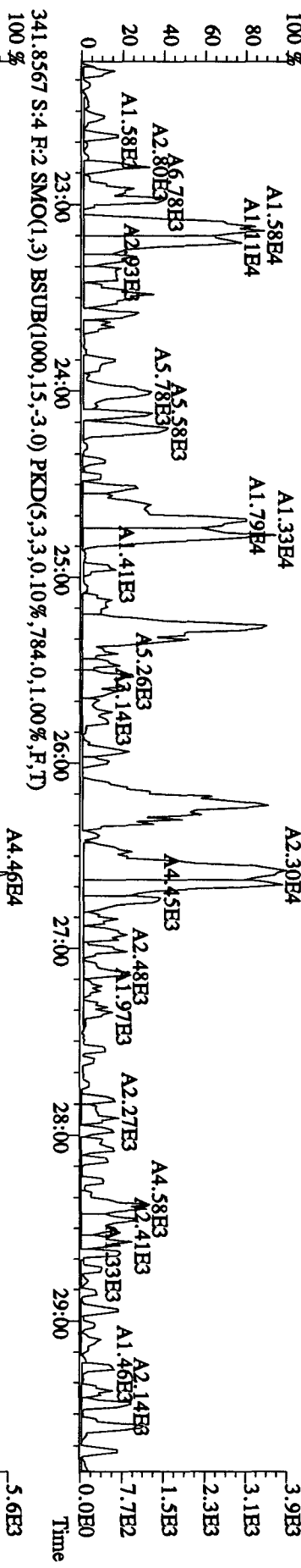
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 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,116.0,1.00%,F,T)



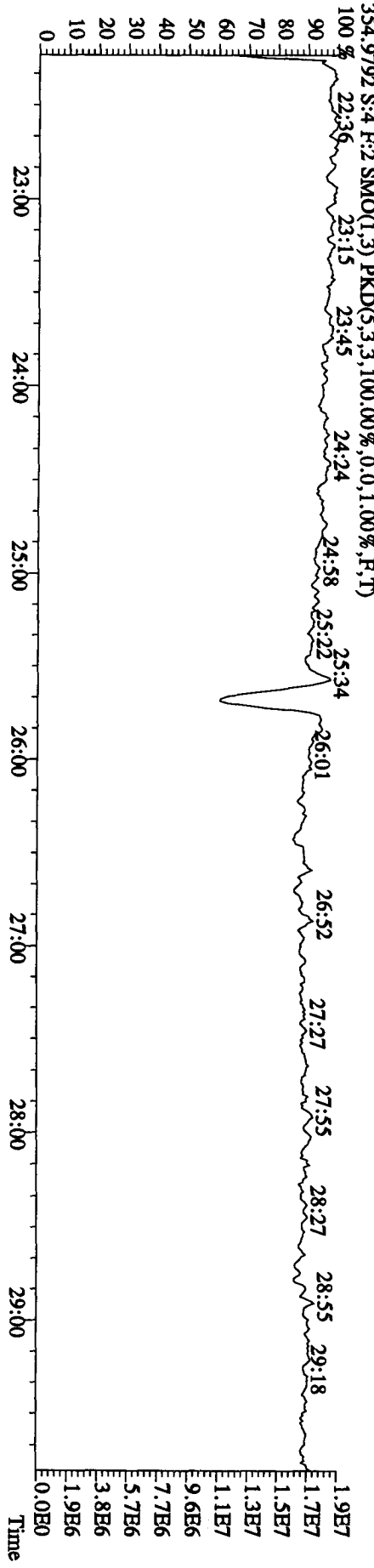
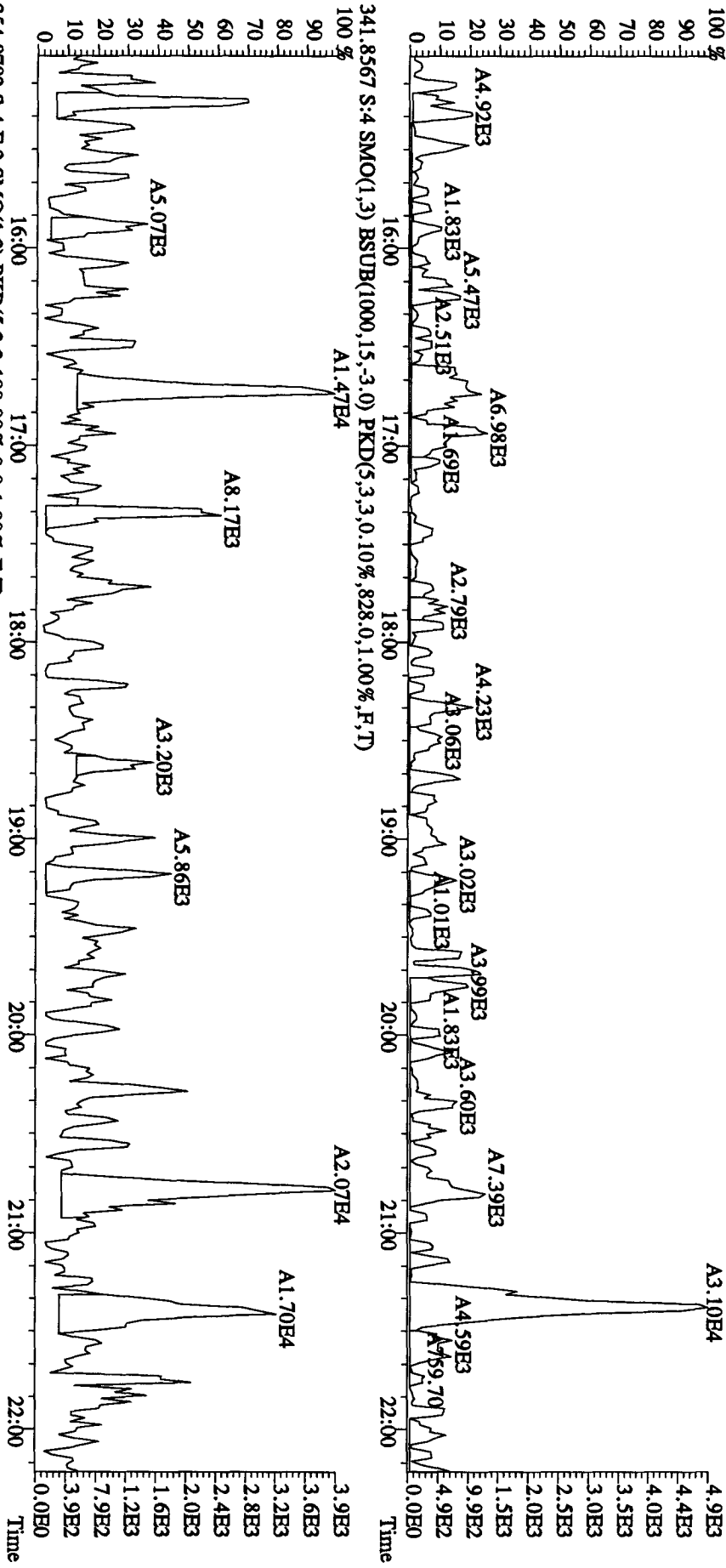
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 Sample#4 Text:LX3CP-1-AA :GODI60000-187B Exp:DIOXINRES8290A
 327.8847 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,68.0,1.00%,F,T) 100%



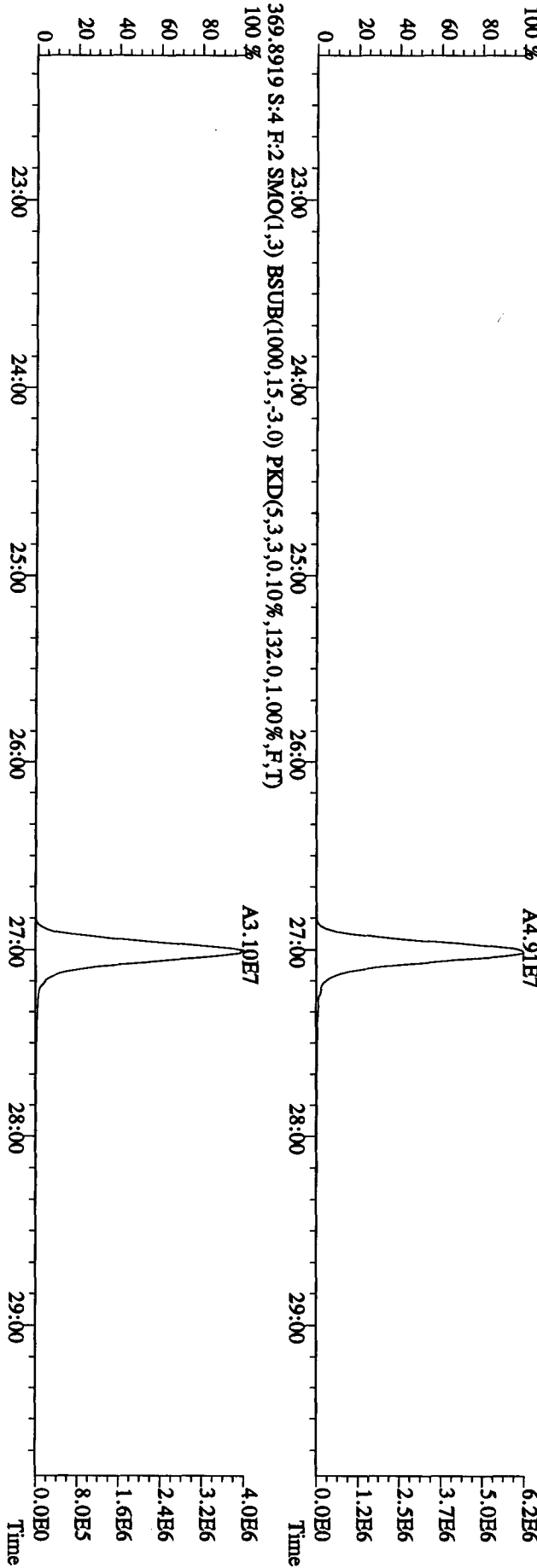
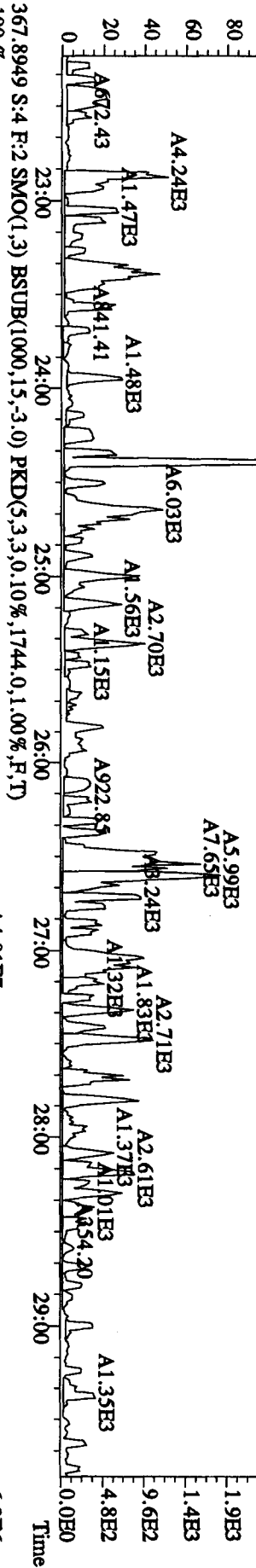
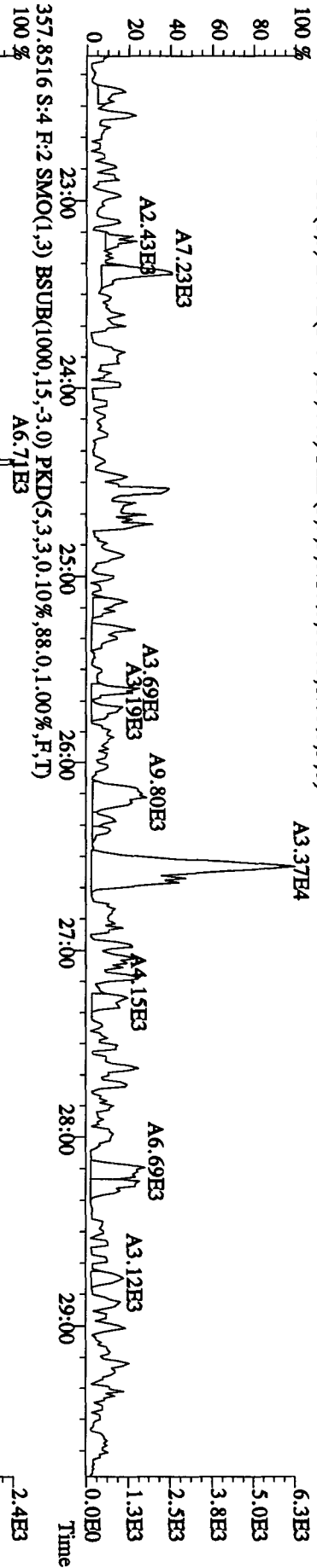
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 Sample#4 Text:LX3CP-1-AA :GOD160000-187B Exp:DIOXINRES8290A
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



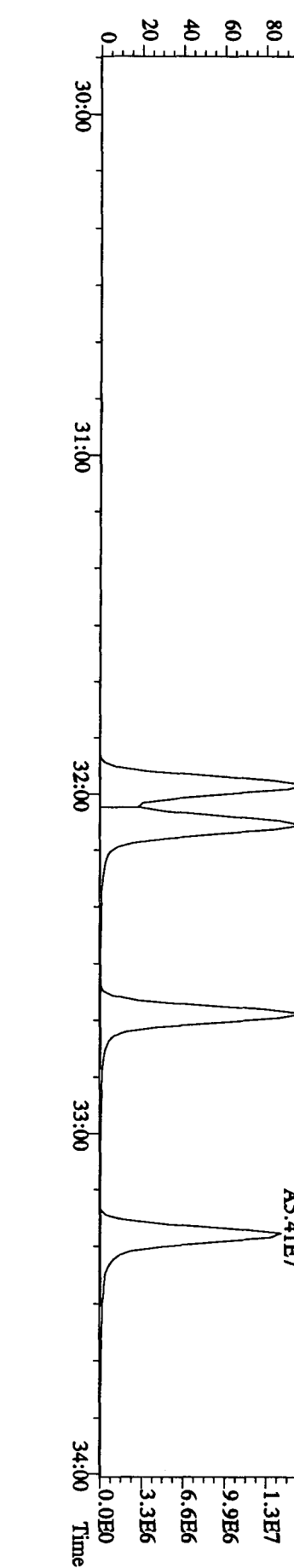
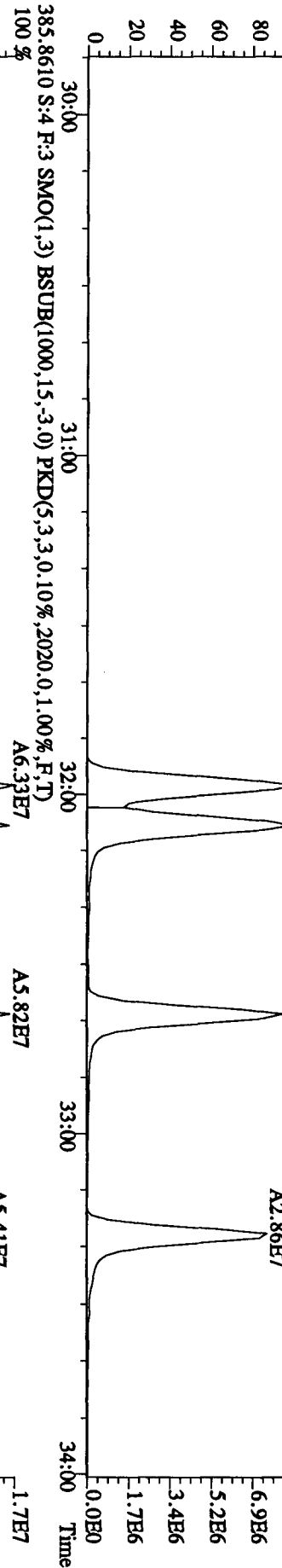
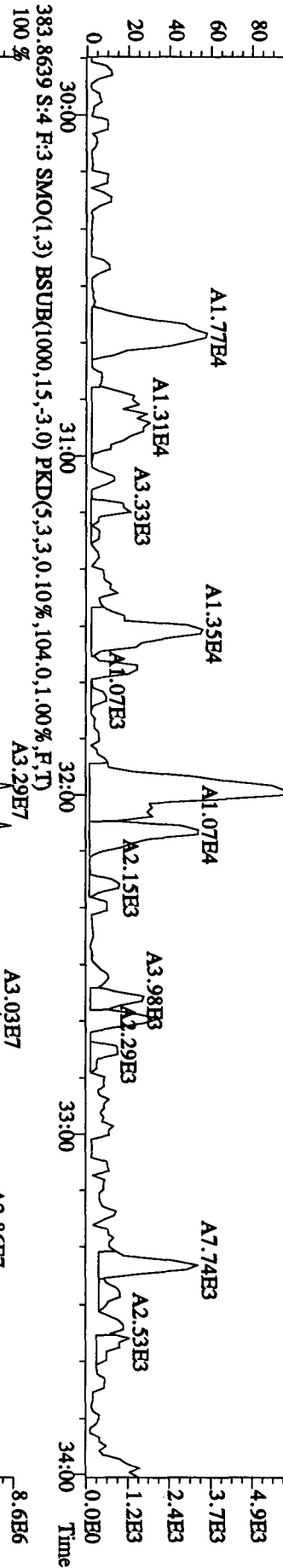
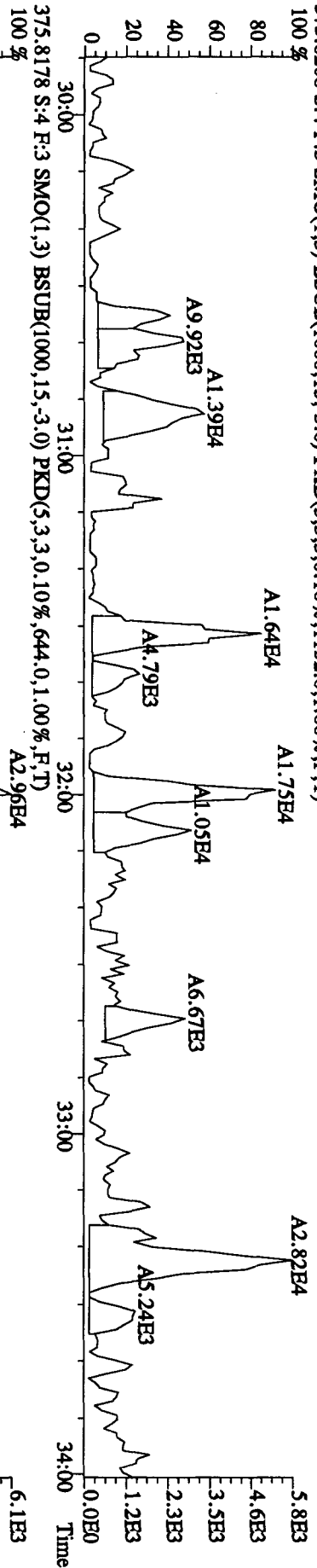
File:21AP104D5 #1-434 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text:LX3CP-1-AA :GOD160000-187B Exp:DIOXINRES8290A
 339.8597 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,72.0,1.00%,F,T)



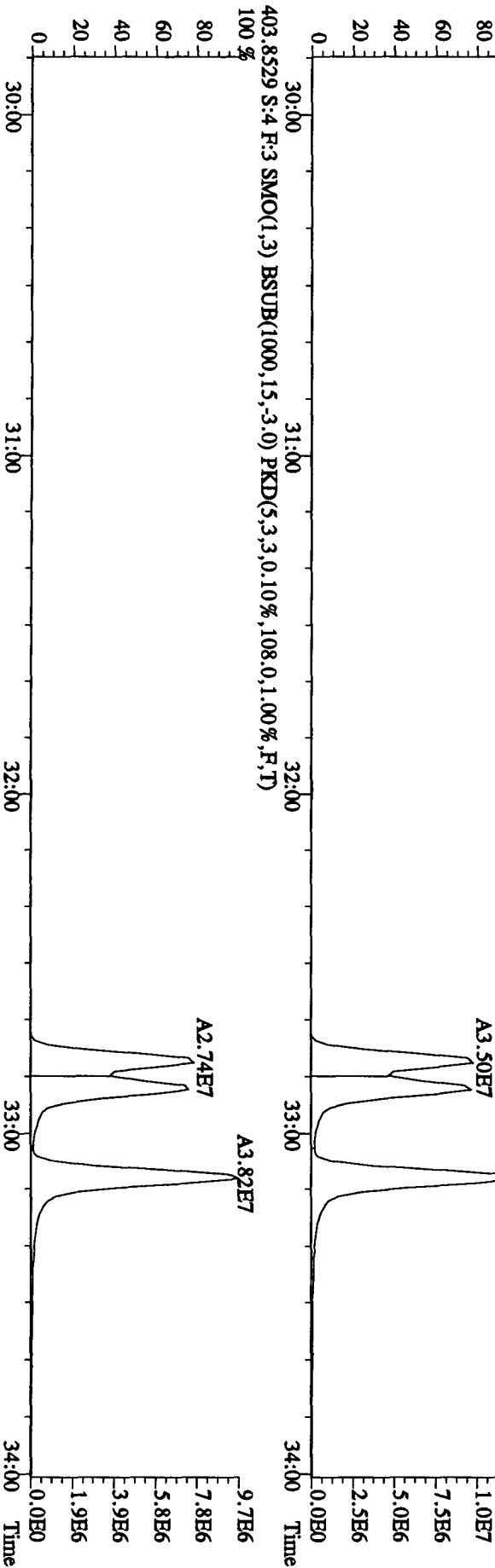
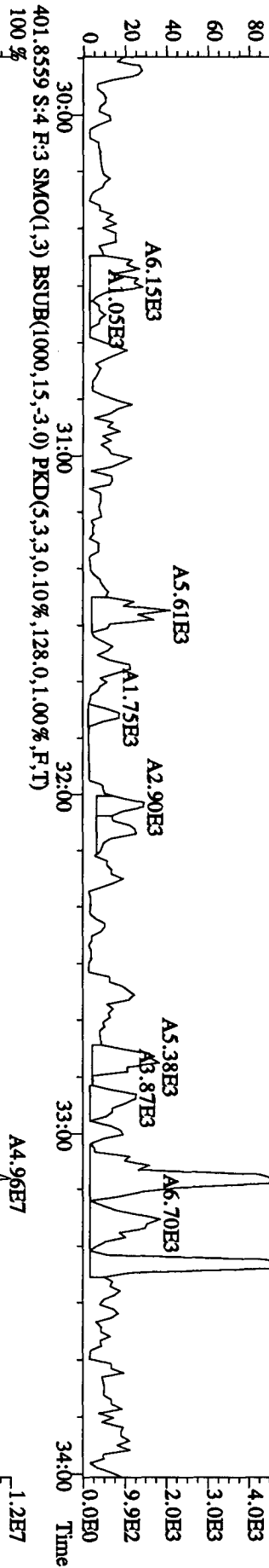
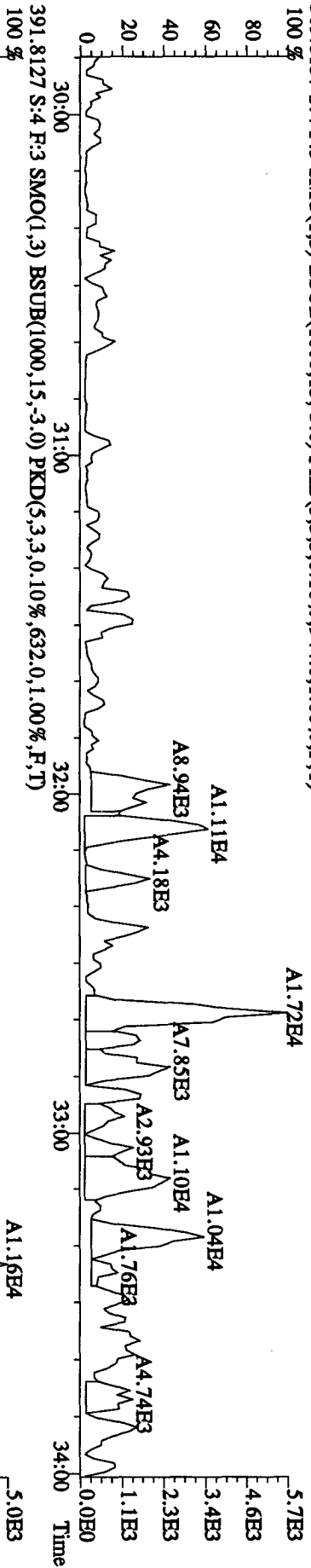
File:21AP104D5 #1-604 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text:LX3CP-1-AA :G0D160000-187B Exp:DIOXINRES8290A
 357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)
 100 %



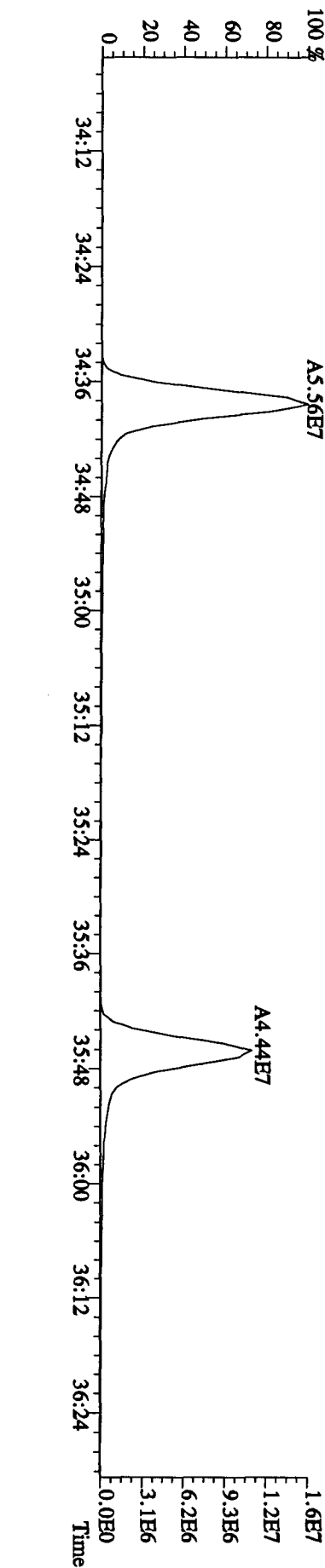
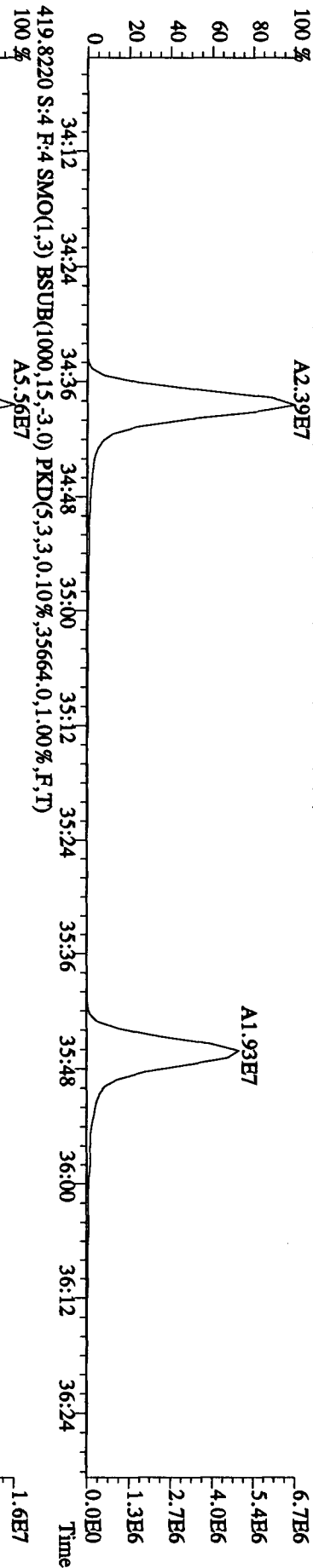
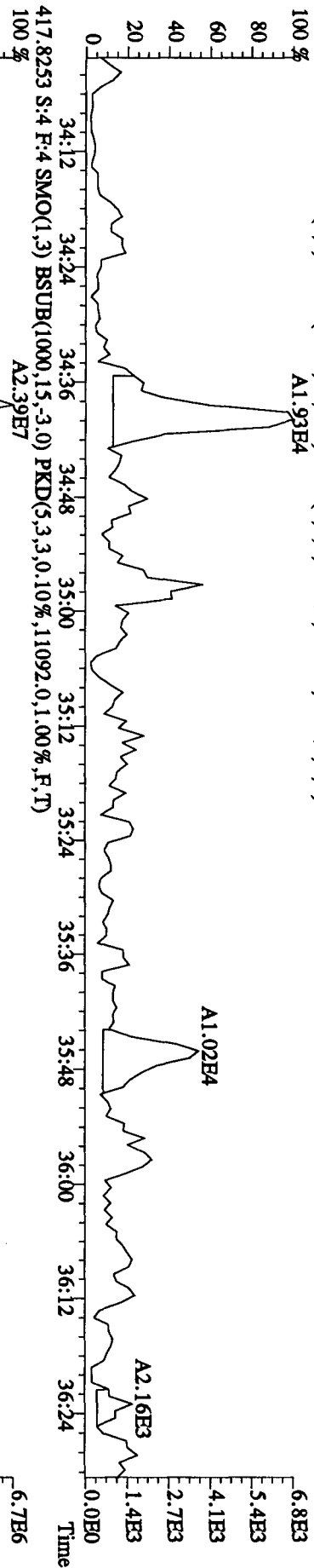
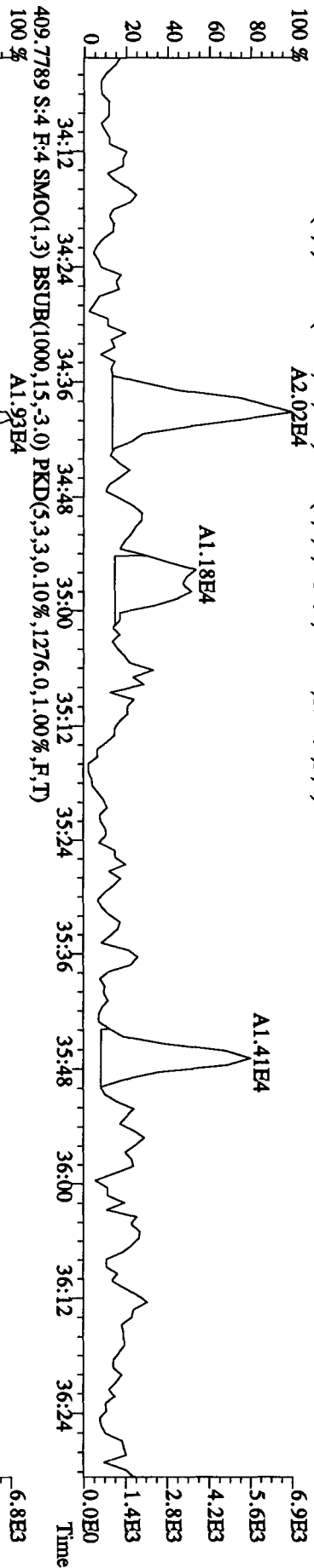
File:21AP104D5 #1-317 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltraB
 Sample#4 Text:LX3CP-1-AA :G0D160000-187B Exp:DIOXINRES8290A
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1152,0,1,00%,F,T)



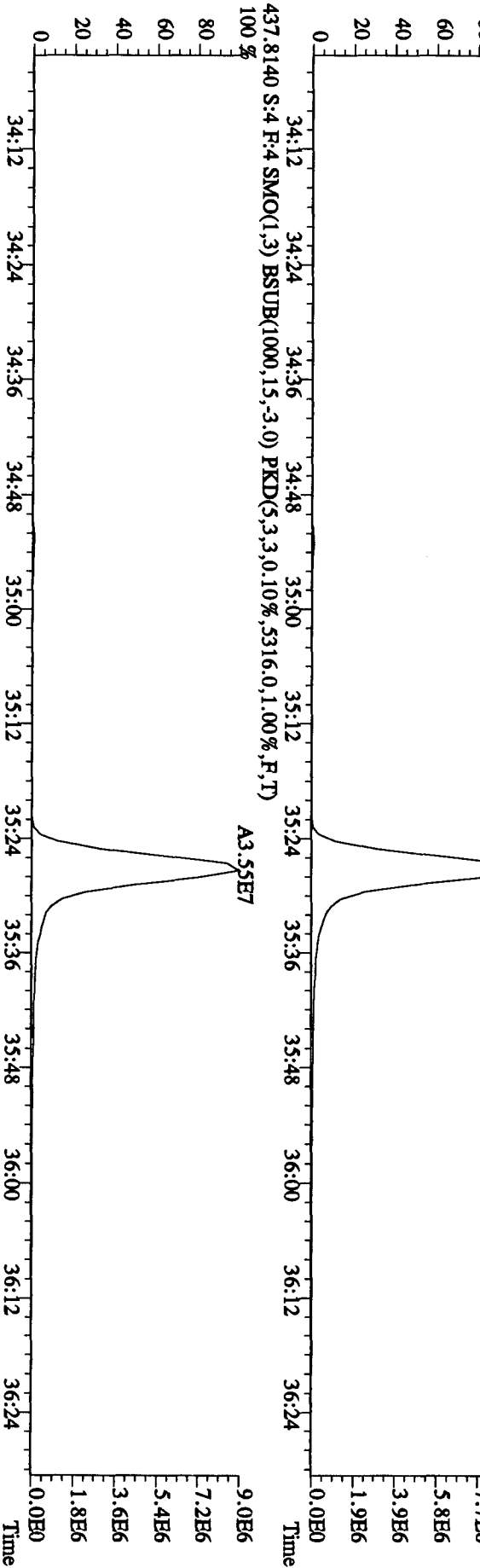
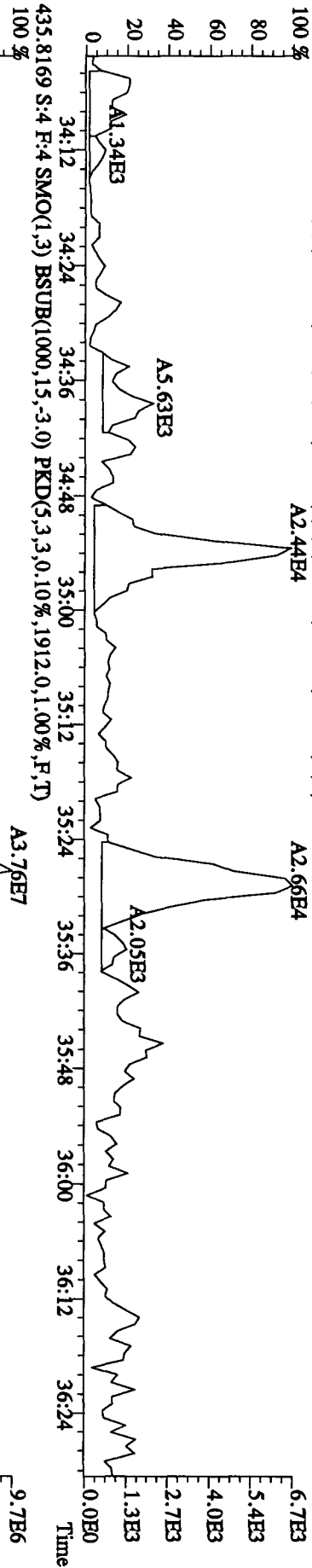
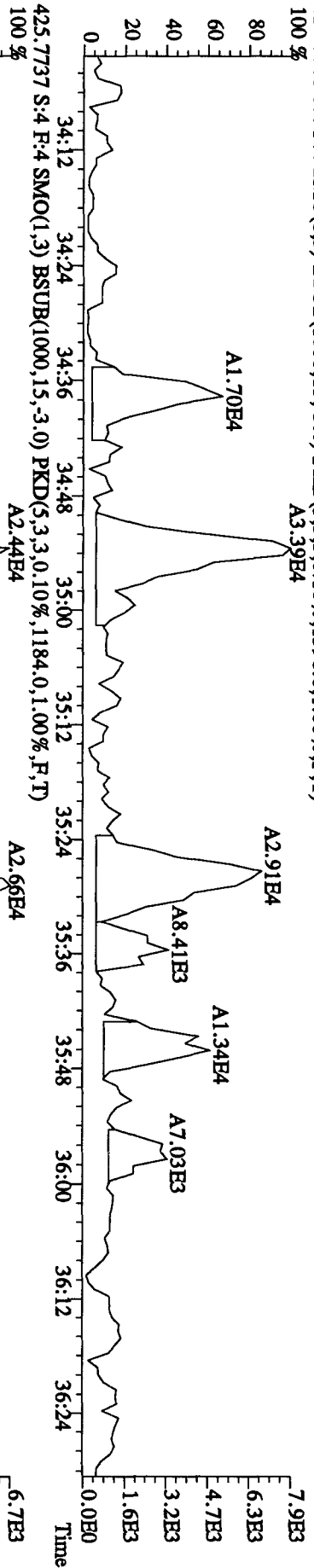
File:21AP104D5 #1-317 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text:LX3CP-1-AA :G0D160000-187B Exp:DIOXINRES8290A
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,944,0.1,00%,F,T)



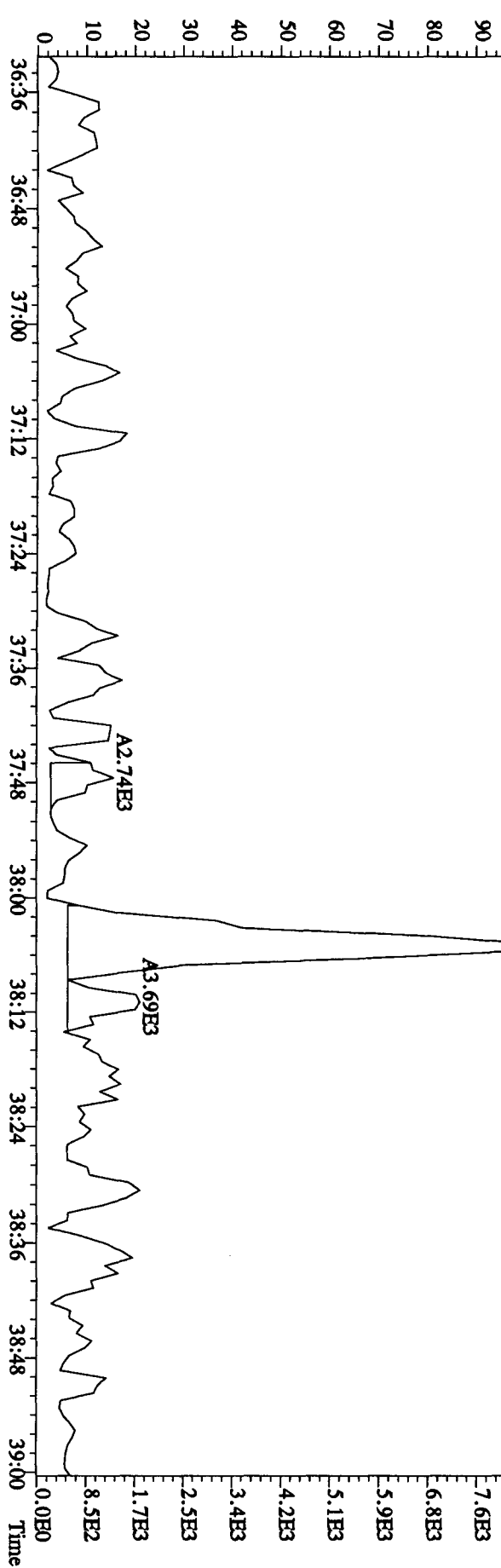
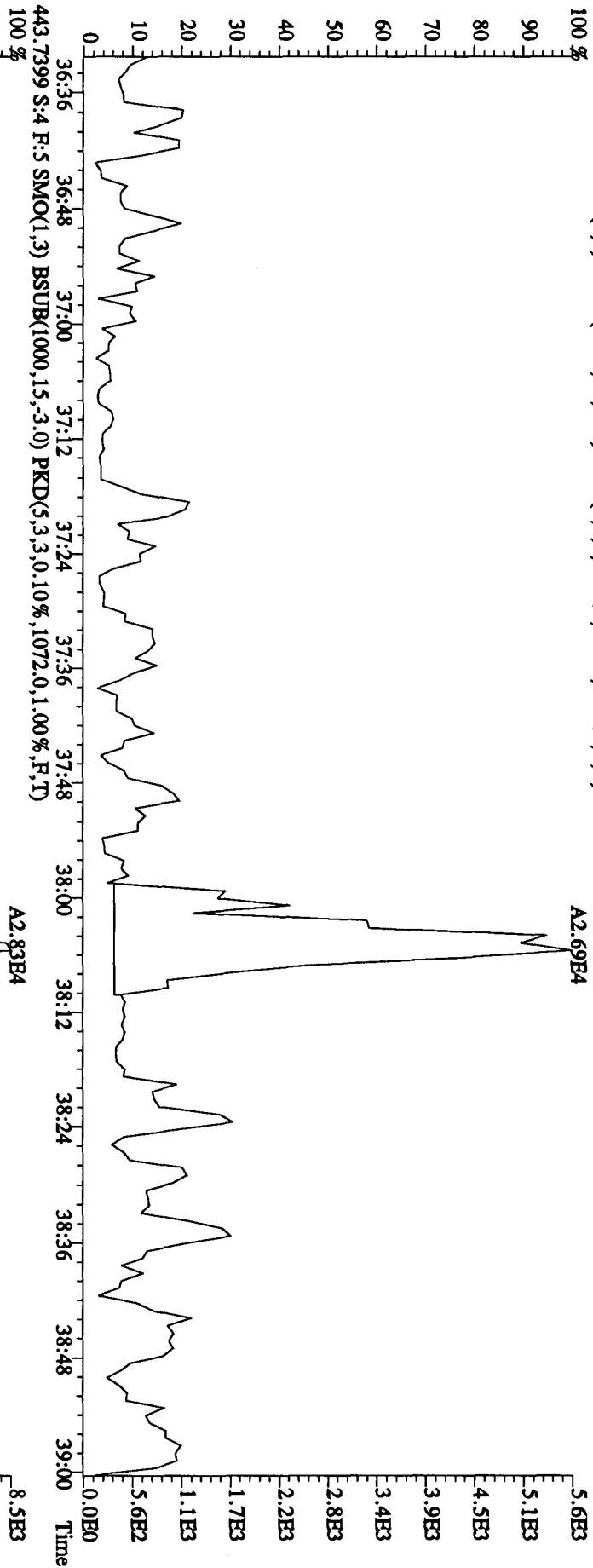
File:21AP104D5 #1-198 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltraB
 Sample#4 Text:LX3CP-1-AA :GOD16000-187B Exp:DIOXINRES8290A
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1600.0,1.00%,F,T)
 100 % A2.02E4



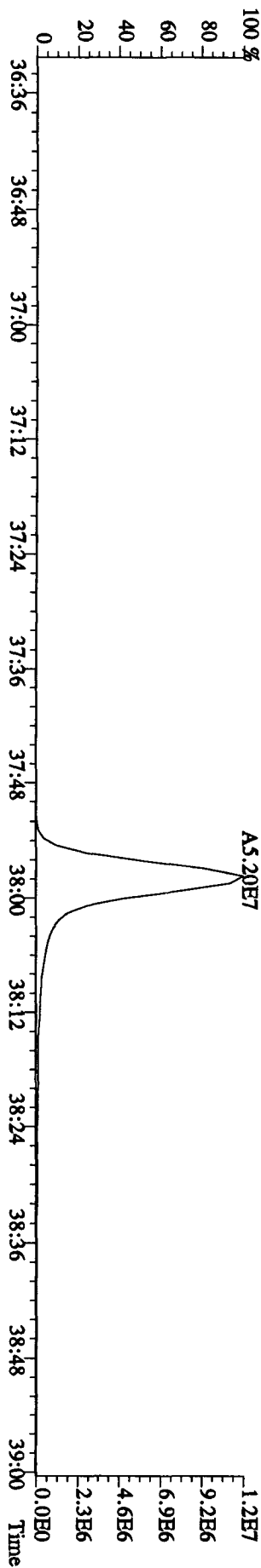
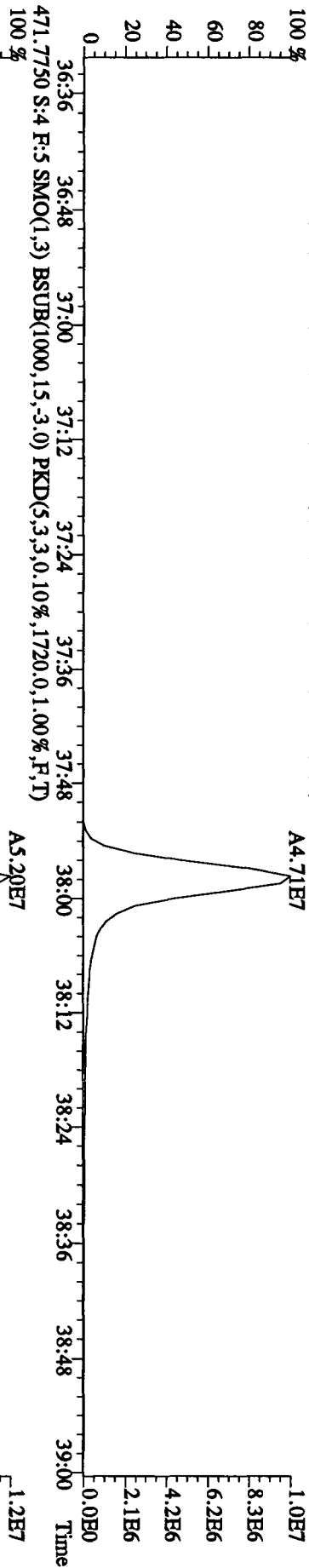
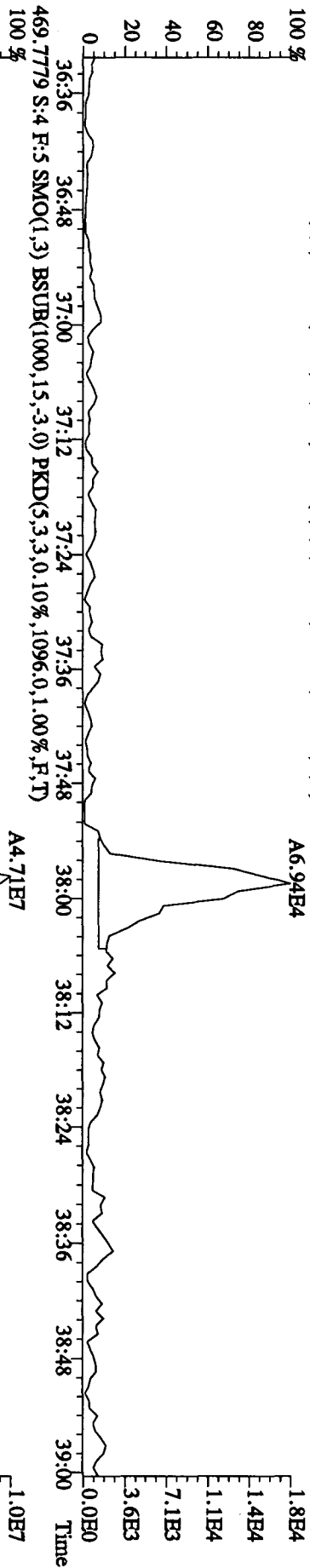
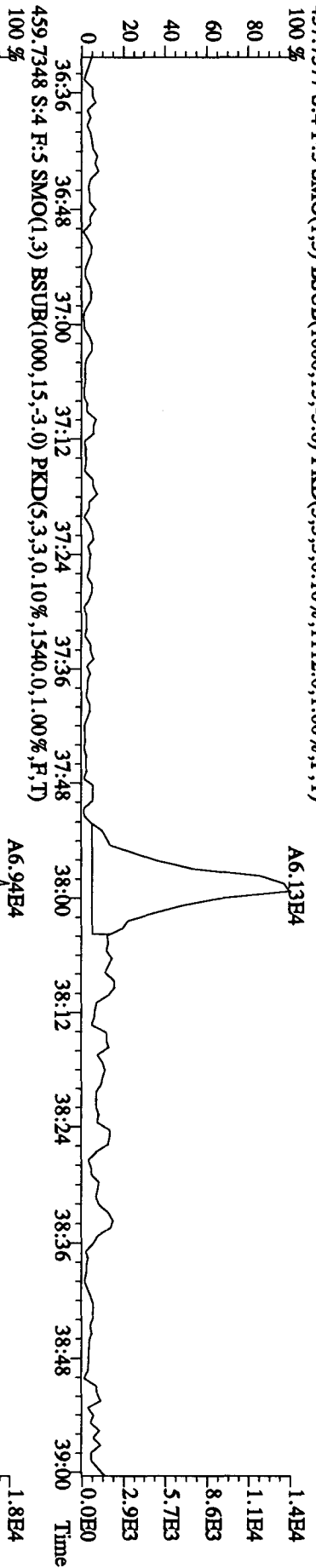
File:21AP104D5 #1-198 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text:LX3CP-1-AA :G0D160000-187B Exp:DIOXINRES8290A
 423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1396.0,1.00%,F,T)



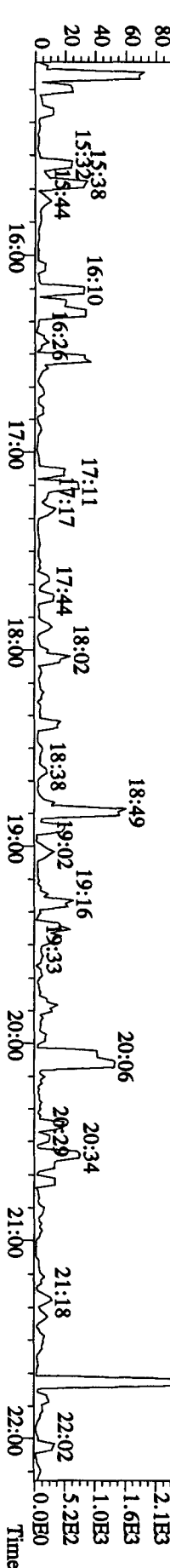
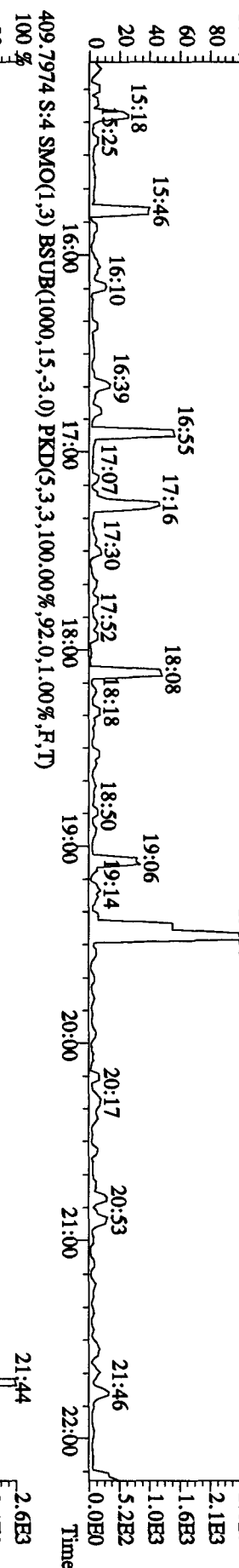
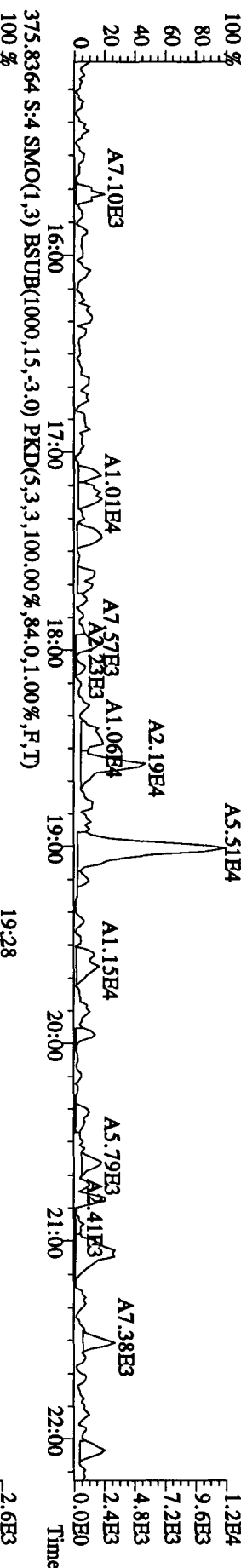
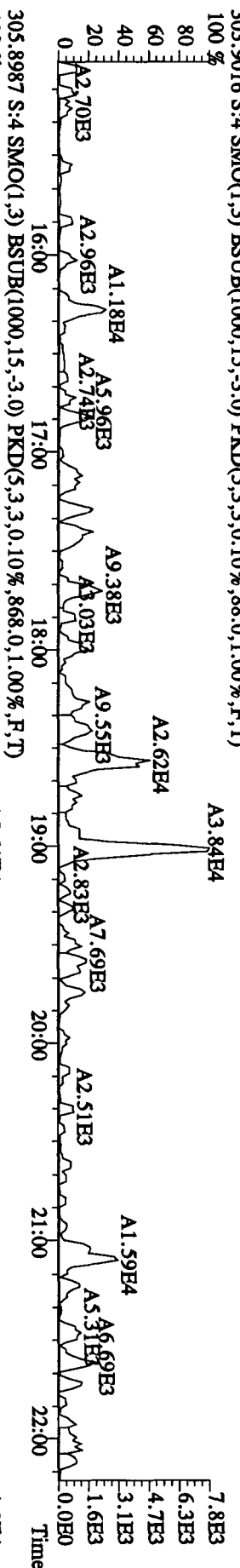
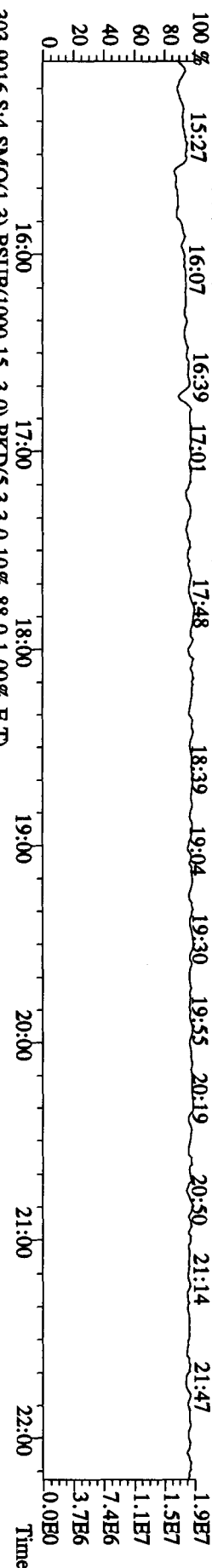
File:21AP104D5 #1-190 Acq:21-APR-2010 10:34:34 GC FI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:LX3CP-1-AA :GOD160000-187B Exp:DIOXINRES8290A
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,852,0,1.00%,F,T)
 100%



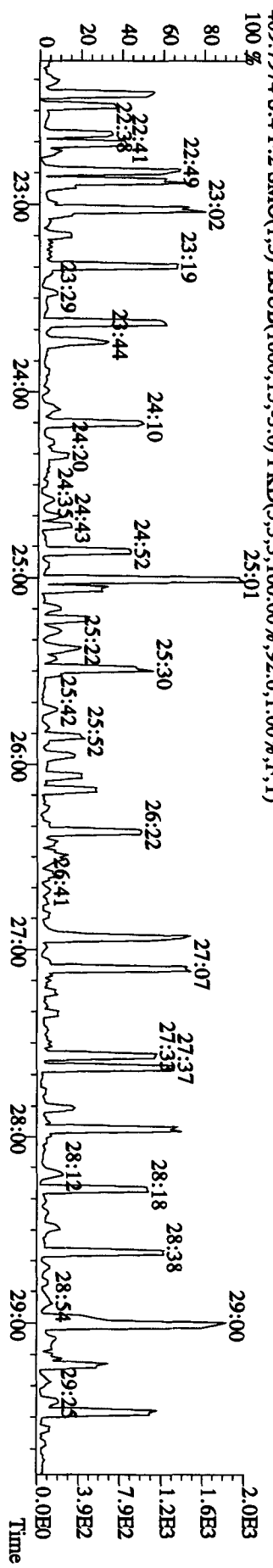
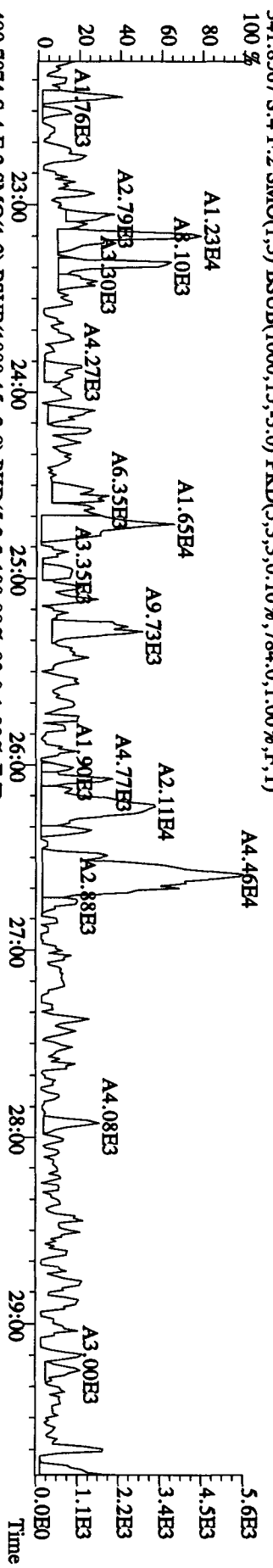
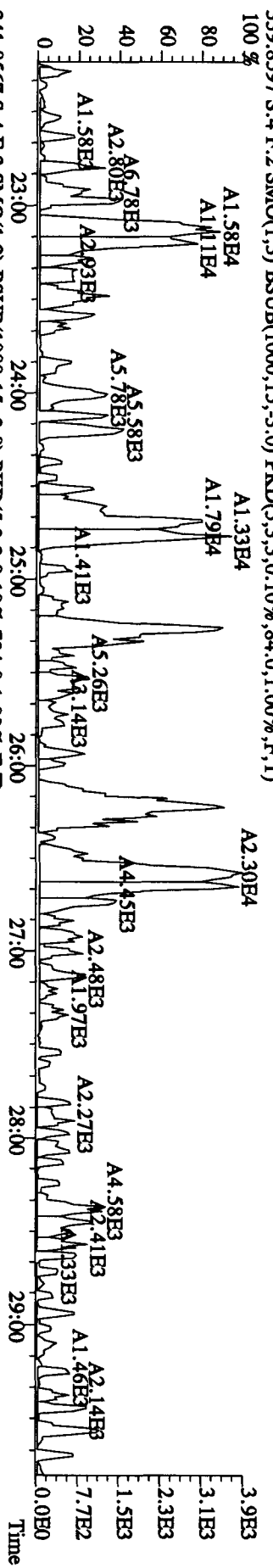
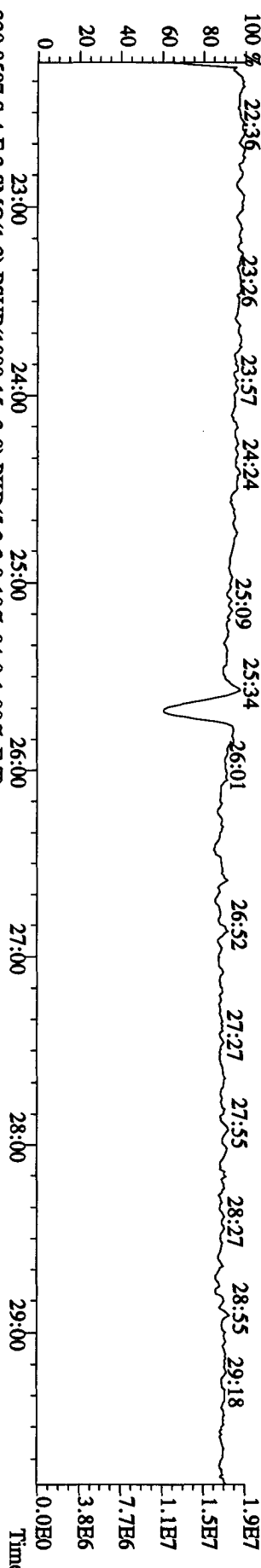
File:21AP104D5 #1-190 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:LX3CP-1-AA :G0D160000-187B Exp:DIOXINRES8290A
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1112.0,1.00%,F,T)



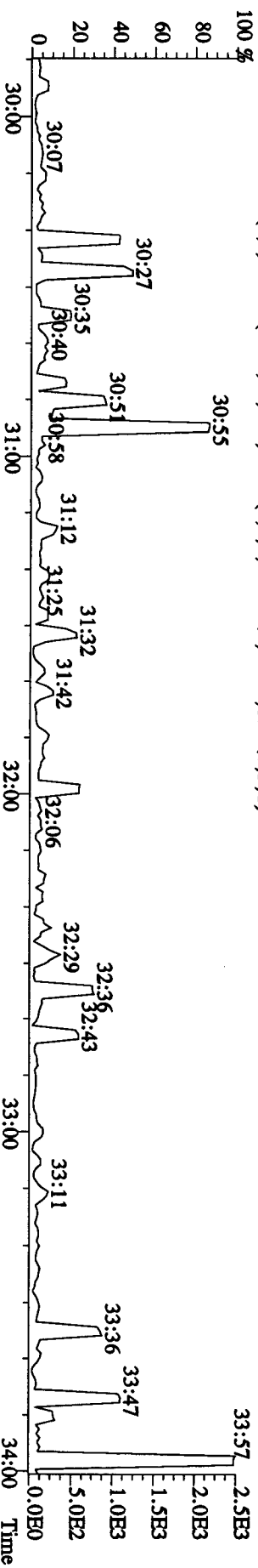
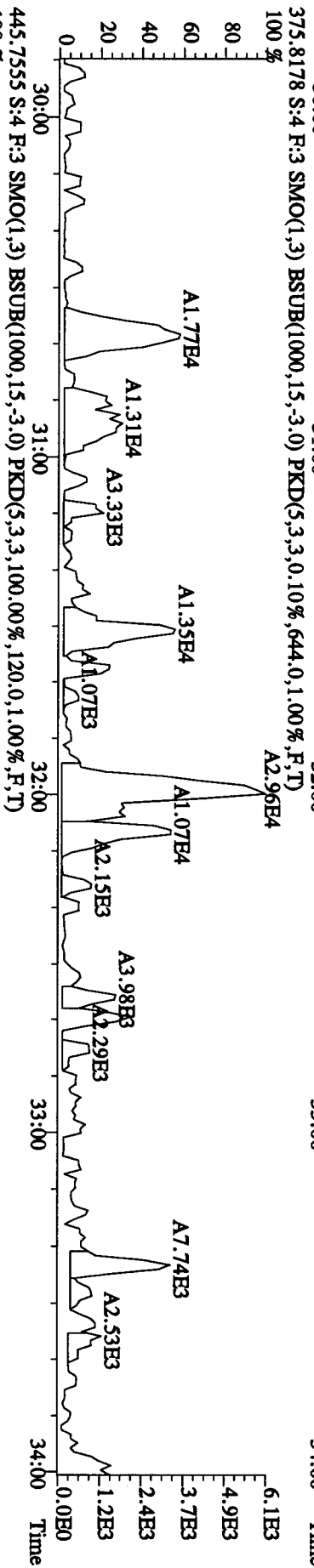
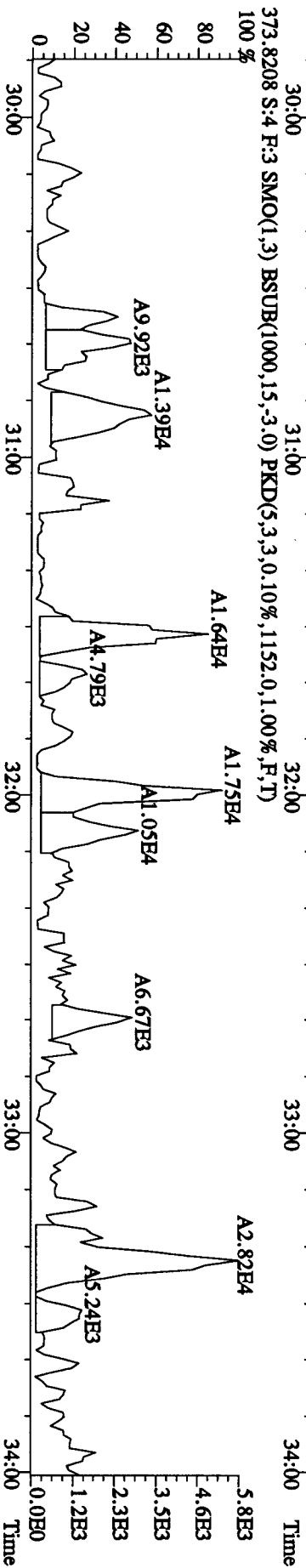
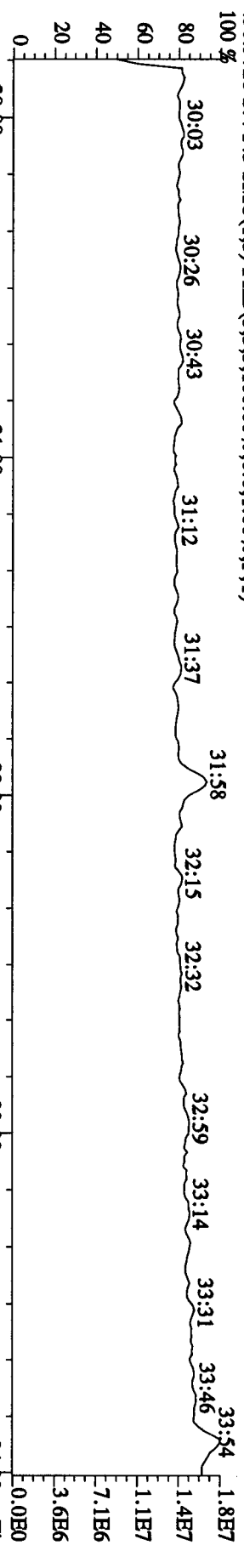
File: 21AP104D5 #1-434 Acq: 21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: LX3CP-1-AA :GOD160000-187B Exp: DIOXINRES8290A
 354.9792 S:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

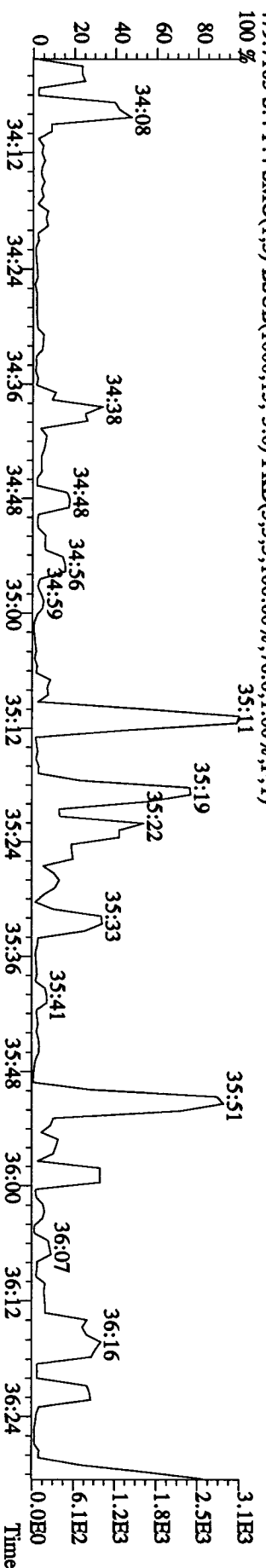
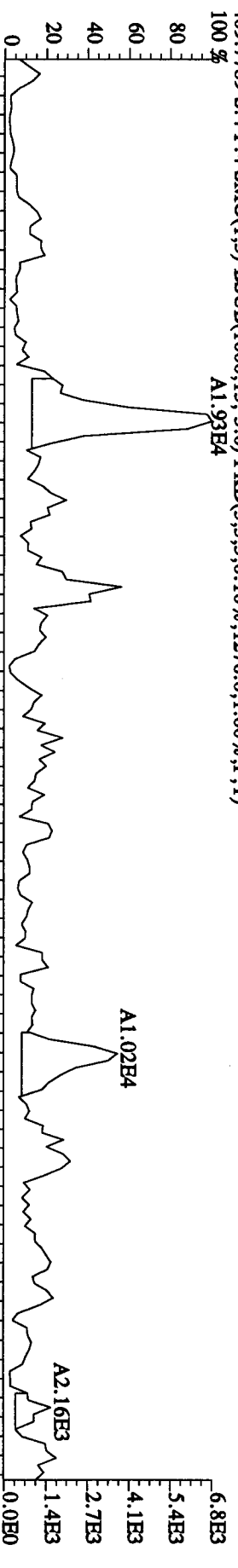
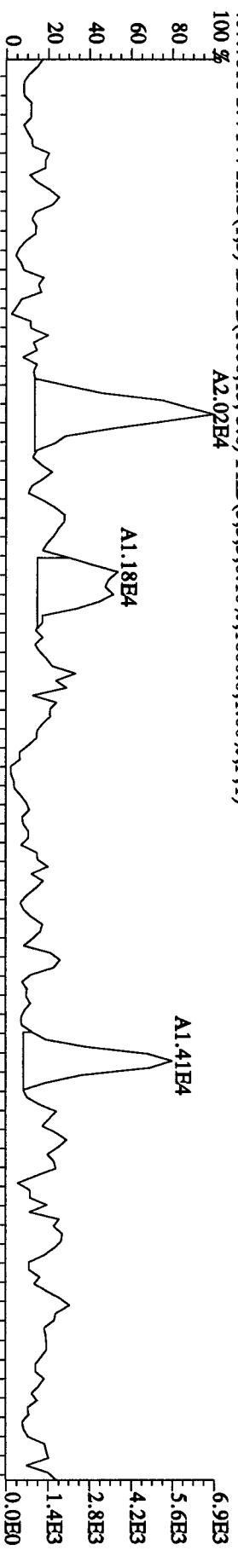
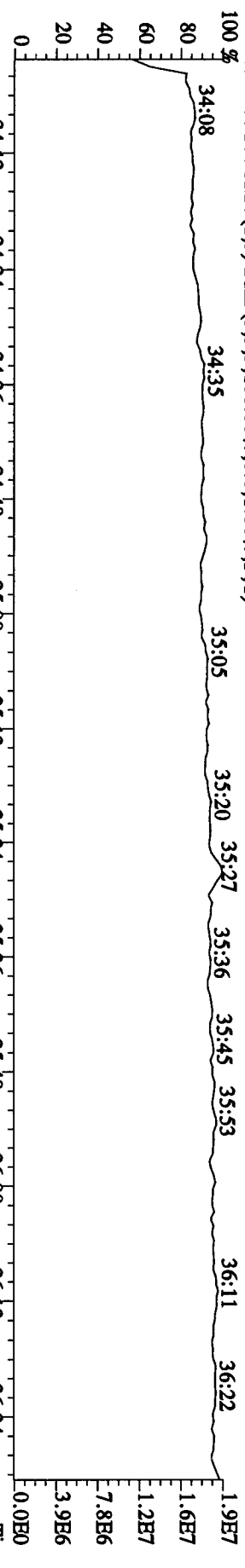


File: 21AP104D5 #1-604 Acq: 21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text: LK3CP-1-AA :G0D16000-187B Exp: DIOXINRES8290A
 354.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:21AP104D5 #1-317 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:LX3CP-1-AA :G0D160000-187B Exp:DIOXINRES8290A
 430.9728 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

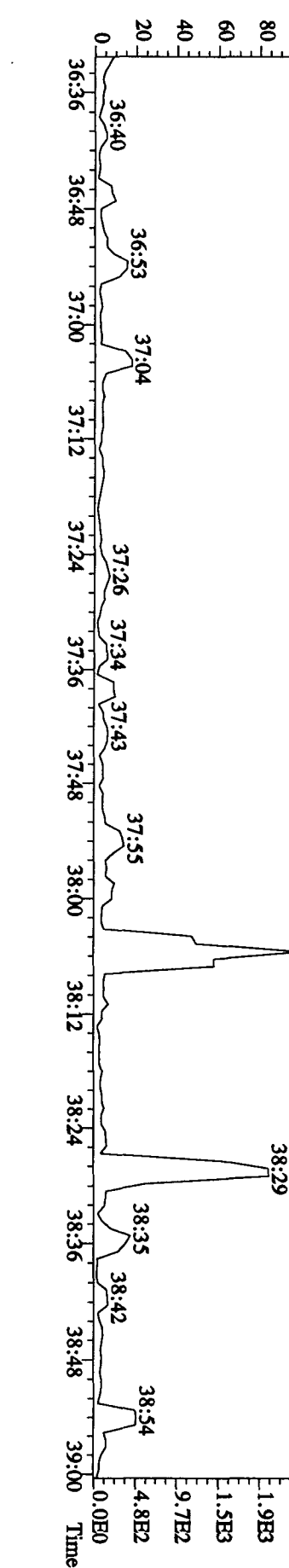
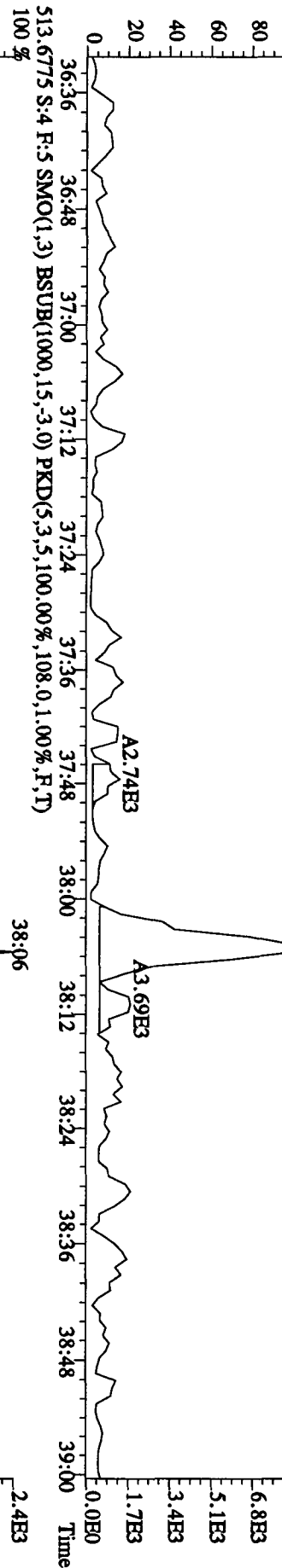
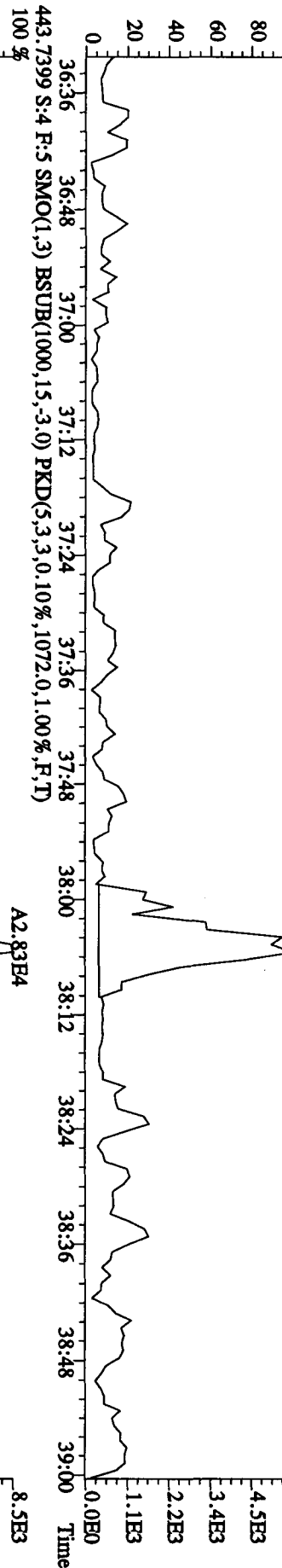
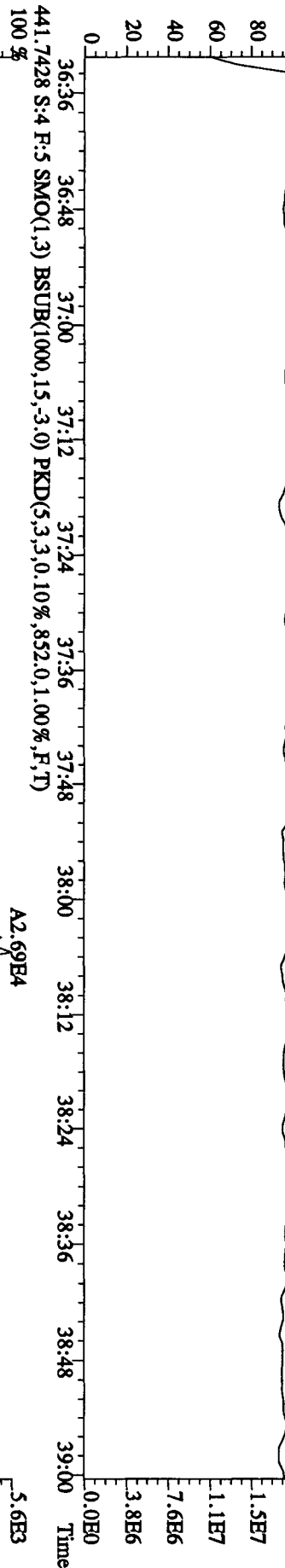




File:21AP104D5 #1-190 Acq:21-APR-2010 10:34:34 GC EI+ Voltage SIR Autospec-UltimaE

Sample#4 Text:LX3CP-1-AA :GOD160000-187B Exp:DIOXINRES8290A

442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



VB 4.23.6

Run text: LX3CP-1-AC Sample text: LX3CP-1-AC :G0D160000-187C
 Run #9 Filename: 21AP104D5 S: 5 I: 1 Results: 21ap104d58290a
 Acquired: 21-APR-10 11:18:36 Processed: 21-APR-10 16:58:09
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00 g

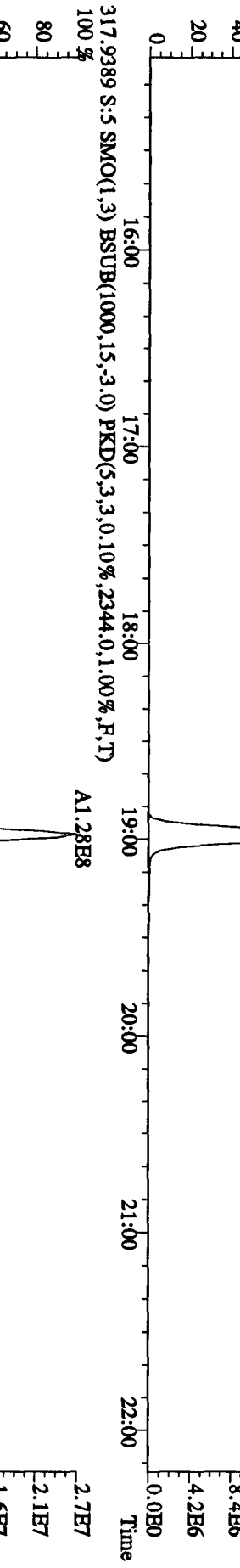
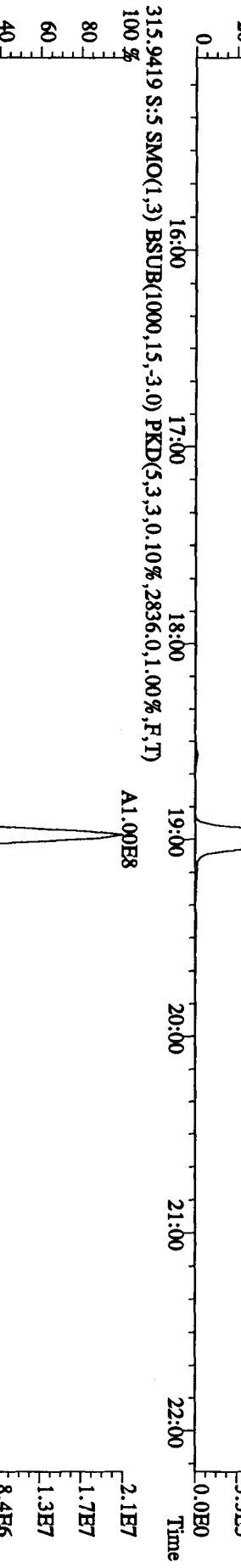
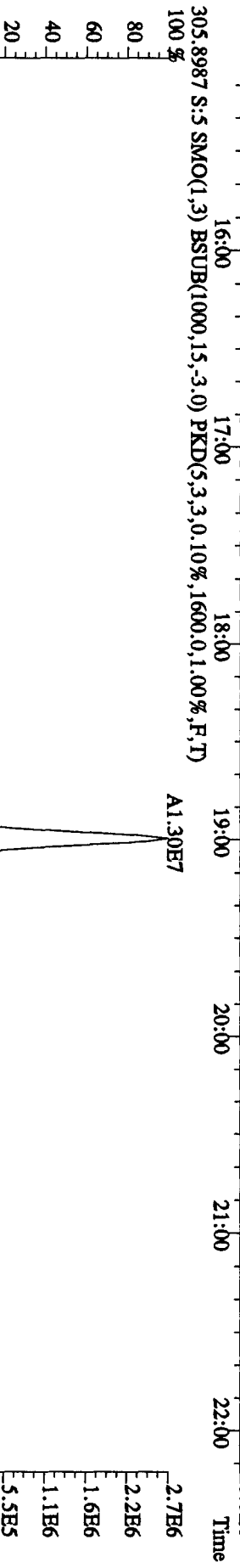
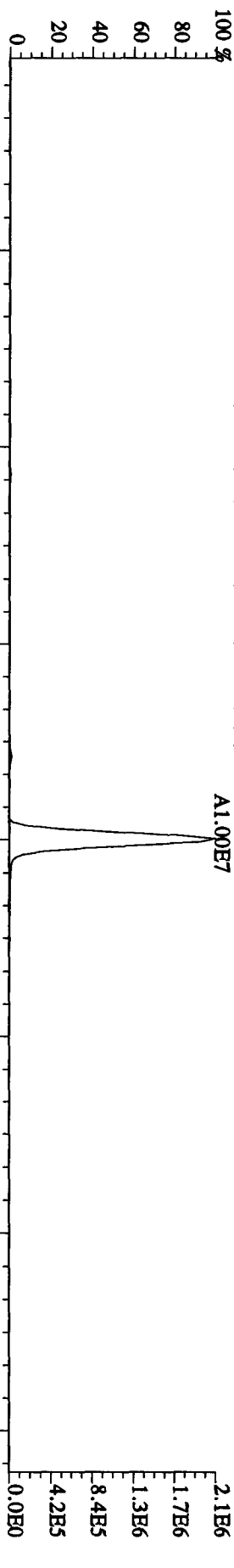
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	173608200	0.80 y	19:34	-	13.05	-	-	n
13C-2,3,7,8-TCDF	227601000	0.78 y	18:59	1.52	172.42	0.06	86.2	n
2,3,7,8-TCDF	23049200	0.77 y	19:00	0.95	21.43 <i>B</i>	0.03	-	n
Total TCDF	23328112	0.82 y	17:09	0.95	21.68	0.03	-	n
13C-2,3,7,8-TCDD	152416600	0.80 y	19:46	0.95	184.89	0.13	92.4	n
2,3,7,8-TCDD	15686260	0.78 y	19:47	1.02	20.16 <i>B</i>	0.04	-	n
Total TCDD	15724873	0.61 n	18:32	1.02	20.21	0.04	-	n
37Cl-2,3,7,8-TCDD	140179200	1.00 y	19:47	2.26	71.41	0.02	89.3	n
13C-1,2,3,7,8-PeCDF	144963700	1.58 y	24:40	1.05	159.00	0.11	79.5	n
1,2,3,7,8-PeCDF	77094200	1.55 y	24:42	1.04	101.81	0.09	-	n
2,3,4,7,8-PeCDF	70286800	1.54 y	26:12	0.98	98.73	0.10	-	n
Total F2 PeCDF	148520447	1.42 y	23:08	1.01	202.89	0.09	-	n
Total F1 PeCDF	41716	0.85 n	16:08	1.01	0.06	0.03	-	n
13C-1,2,3,7,8-PeCDD	78256700	1.60 y	27:00	0.67	134.46	0.04	67.2	n
1,2,3,7,8-PeCDD	39385400	1.61 y	27:02	0.98	102.51	0.11	-	n
Total PeCDD	39564343	1.61 y	27:02	0.98	102.98	0.11	-	n
13C-1,2,3,7,8,9-HxCDD	88672700	1.24 y	33:07	-	8.63	-	-	n
13C-1,2,3,4,7,8-HxCDF	101481500	0.52 y	31:58	1.02	223.34	0.01	111.7	n
1,2,3,4,7,8-HxCDF	65666600	1.23 y	31:59	1.21	106.72	0.03	-	n
1,2,3,6,7,8-HxCDF	62335700	1.22 y	32:06	1.34	91.49	0.03	-	n
2,3,4,6,7,8-HxCDF	55307200	1.23 y	32:40	1.22	89.18	0.03	-	n
1,2,3,7,8,9-HxCDF	52091000	1.23 y	33:19	1.09	93.97	0.04	-	n
Total HxCDF	235515537	1.31 y	30:51	1.22	381.55	0.03	-	n
13C-1,2,3,6,7,8-HxCDD	70433000	1.30 y	32:52	0.81	196.84	0.01	98.4	n
1,2,3,4,7,8-HxCDD	34032600	1.26 y	32:48	1.01	95.99	0.03	-	n
1,2,3,6,7,8-HxCDD	40747200	1.30 y	32:52	1.11	103.87	0.03	-	n
1,2,3,7,8,9-HxCDD	42820500	1.28 y	33:08	1.21	100.57	0.03	-	n
Total HxCDD	117600300	1.26 y	32:48	1.11	300.43	0.03	-	n
13C-1,2,3,4,6,7,8-HpCDF	80160500	0.43 y	34:38	0.86	209.60	0.75	104.8	n
1,2,3,4,6,7,8-HpCDF	54584300	0.97 y	34:38	1.31	103.99	0.44	-	n
1,2,3,4,7,8,9-HpCDF	45310800	0.95 y	35:47	1.03	110.22	0.56	-	n
Total HpCDF	100544456	0.97 y	34:38	1.17	215.60	0.49	-	n
13C-1,2,3,4,6,7,8-HpCDD	76881400	1.06 y	35:27	0.70	248.61	0.14	124.3	n
1,2,3,4,6,7,8-HpCDD	41490800	1.03 y	35:27	1.07	100.70	0.19	-	n
Total HpCDD	42095320	0.96 y	34:53	1.07	102.17	0.19	-	n
13C-OCDD	104220300	0.92 y	37:58	0.53	442.37	0.02	110.6	n
OCDF	76891500	0.91 y	38:05	1.45	204.18	0.06	-	n

OCDD 62727600 0.88 y 37:58 1.17 206.43 0.07 - n

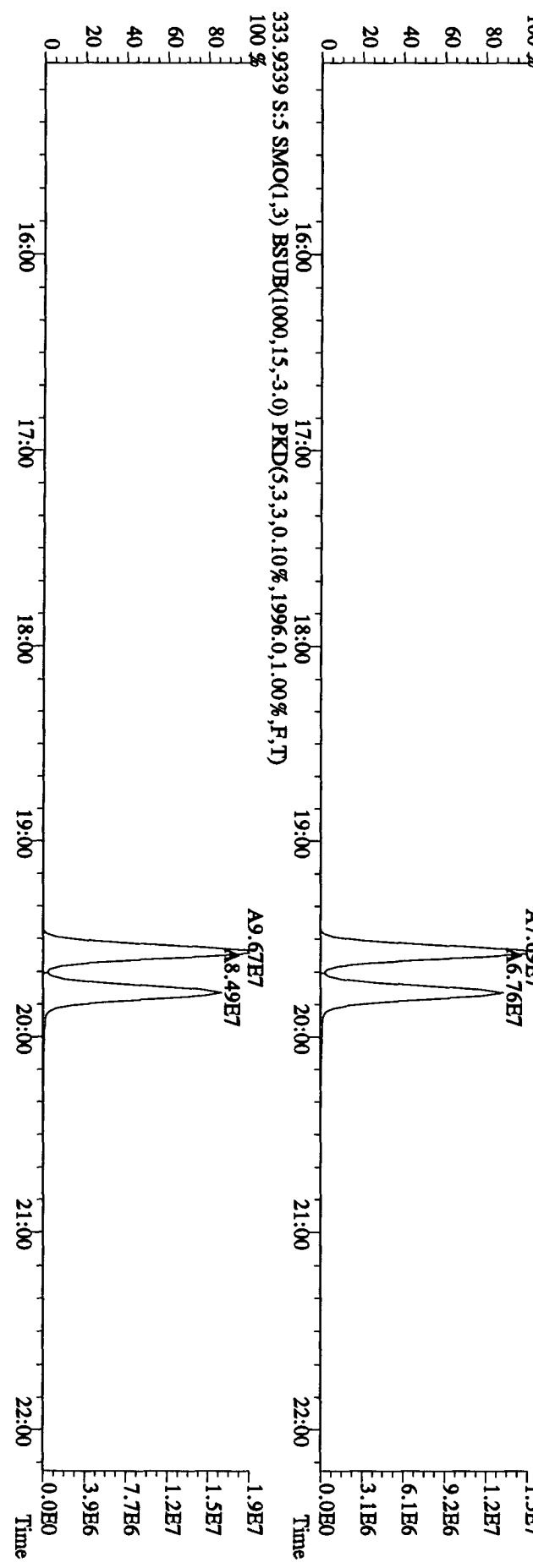
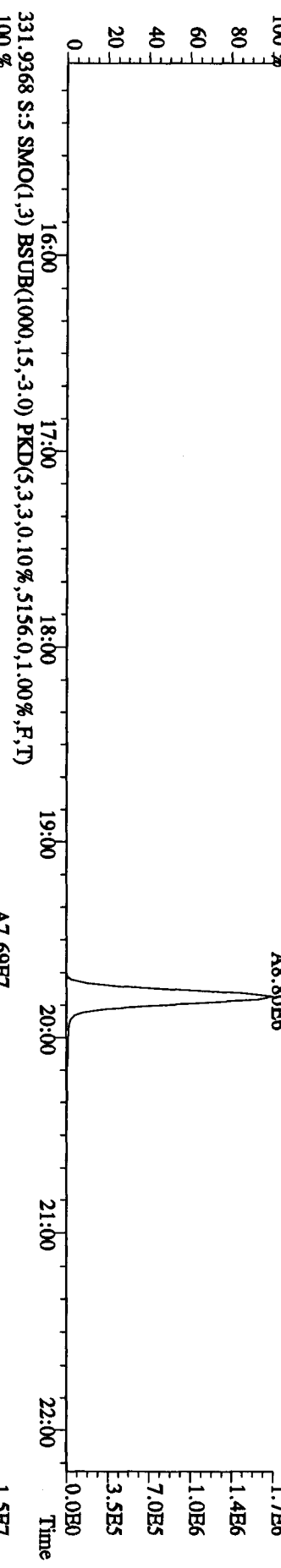
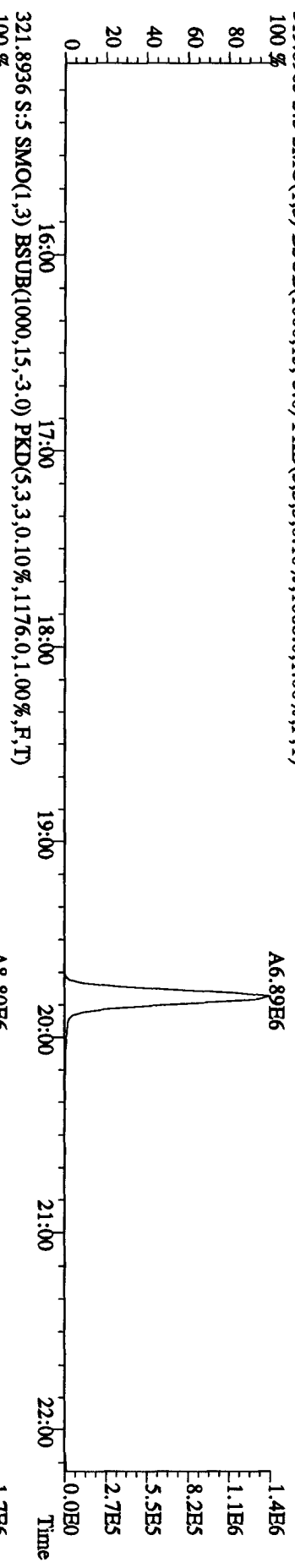
Run text: LX3CP-1-AC Sample text: LX3CP-1-AC :G0D160000-187C
 Run #9 Filename: 21AP104D5 S: 5 I: 1 Results: 21AP104D58290A
 Acquired: 21-APR-10 11:18:36 Processed: 21-APR-10 16:58:09
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.00 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	173608200	0.80 y	19:34	-	13.0494	-	-	n
13C-2,3,7,8-TCDF	227601000	0.78 y	18:59	1.52	172.4168	0.0590	86.2	n
2,3,7,8-TCDF	23049200	0.77 y	19:00	0.95	21.4257	0.0331	-	n
Total TCDF	23328112	0.82 y	17:09	0.95	21.6849	0.0331	-	n
13C-2,3,7,8-TCDD	152416600	0.80 y	19:46	0.95	184.8891	0.1303	92.4	n
2,3,7,8-TCDD	15686260	0.78 y	19:47	1.02	20.1597	0.0435	-	n
Total TCDD	15724873	0.61 n	18:32	1.02	20.2093	0.0435	-	n
37Cl-2,3,7,8-TCDD	140179200	1.00 y	19:47	2.26	71.4143	0.0199	89.3	n
13C-1,2,3,7,8-PeCDF	144963700	1.58 y	24:40	1.05	158.9994	0.1076	79.5	n
1,2,3,7,8-PeCDF	77094200	1.55 y	24:42	1.04	101.8069	0.0903	-	n
2,3,4,7,8-PeCDF	70286800	1.54 y	26:12	0.98	98.7340	0.0961	-	n
Total F2 PeCDF	148520447	1.42 y	23:08	1.01	202.0920	0.0931	-	n
Total F1 PeCDF	41716	0.85 n	16:08	1.01	0.0568	0.0338	-	n
13C-1,2,3,7,8-PeCDD	78256700	1.60 y	27:00	0.67	134.4631	0.0359	67.2	n
1,2,3,7,8-PeCDD	39385400	1.61 y	27:02	0.98	102.5099	0.1133	-	n
Total PeCDD	39564343	1.61 y	27:02	0.98	102.9757	0.1133	-	n
13C-1,2,3,7,8,9-HxCDD	88672700	1.24 y	33:07	-	8.6293	-	-	n
13C-1,2,3,4,7,8-HxCDF	101481500	0.52 y	31:58	1.02	223.3374	0.0055	111.7	n
1,2,3,4,7,8-HxCDF	65666600	1.23 y	31:59	1.21	106.7243	0.0318	-	n
1,2,3,6,7,8-HxCDF	62335700	1.22 y	32:06	1.34	91.4897	0.0287	-	n
2,3,4,6,7,8-HxCDF	55307200	1.23 y	32:40	1.22	89.1777	0.0316	-	n
1,2,3,7,8,9-HxCDF	52091000	1.23 y	33:19	1.09	93.9720	0.0353	-	n
Total HxCDF	235515537	1.31 y	30:51	1.22	381.5500	0.0317	-	n
13C-1,2,3,6,7,8-HxCDD	70433000	1.30 y	32:52	0.81	196.8368	0.0090	98.4	n
1,2,3,4,7,8-HxCDD	40747200	1.30 y	32:52	1.01	114.9286	0.0316	-	n
1,2,3,6,7,8-HxCDD	40747200	1.30 y	32:52	1.11	103.8725	0.0286	-	n
1,2,3,7,8,9-HxCDD	42820500	1.28 y	33:08	1.21	100.5701	0.0263	-	n
Total HxCDD	117600300	1.26 y	32:48	1.11	291.5120	0.0287	-	n
13C-1,2,3,4,6,7,8-HpCDF	80160500	0.43 y	34:38	0.86	209.6023	0.7468	104.8	n
1,2,3,4,6,7,8-HpCDF	54584300	0.97 y	34:38	1.31	103.9854	0.4366	-	n
1,2,3,4,7,8,9-HpCDF	45310800	0.95 y	35:47	1.03	110.2247	0.5575	-	n
Total HpCDF	100544456	0.97 y	34:38	1.17	215.5976	0.4897	-	n
13C-1,2,3,4,6,7,8-HpCDD	76881400	1.06 y	35:27	0.70	248.6110	0.1420	124.3	n
1,2,3,4,6,7,8-HpCDD	41490800	1.03 y	35:27	1.07	100.6990	0.1921	-	n
Total HpCDD	42095320	0.96 y	34:53	1.07	102.1662	0.1921	-	n
13C-OCDD	104220300	0.92 y	37:58	0.53	442.3658	0.0210	110.6	n
OCDF	76891500	0.91 y	38:05	1.45	204.1793	0.0601	-	n
OCDD	62727600	0.88 y	37:58	1.17	206.4308	0.0691	-	n

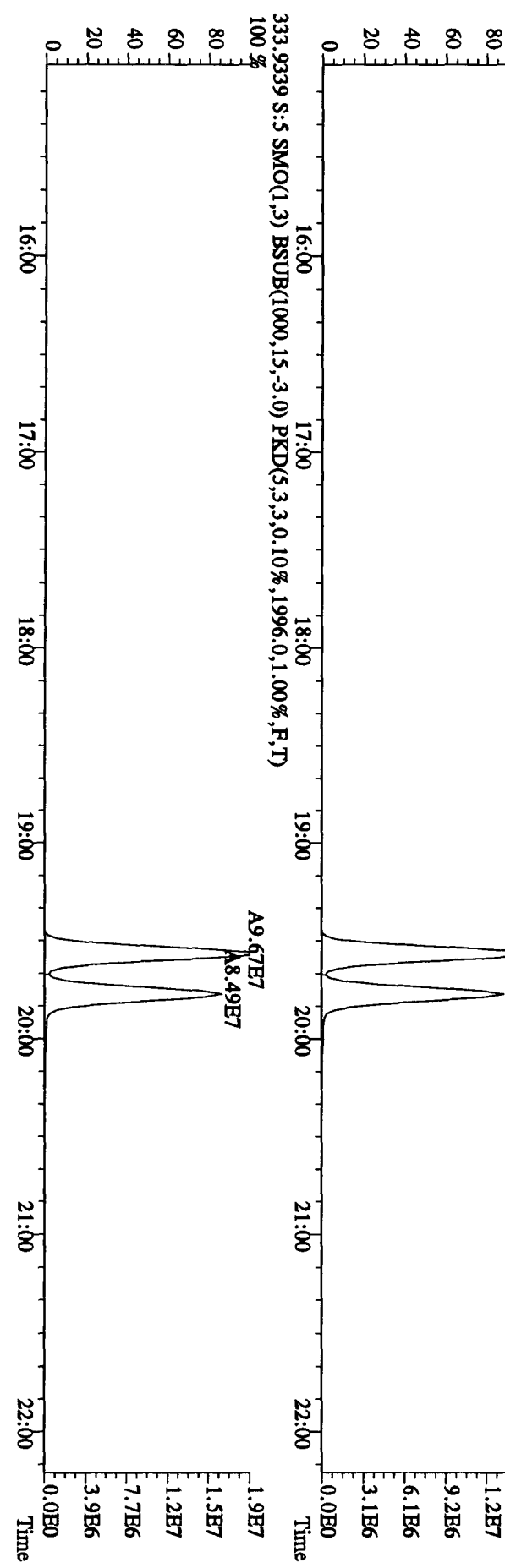
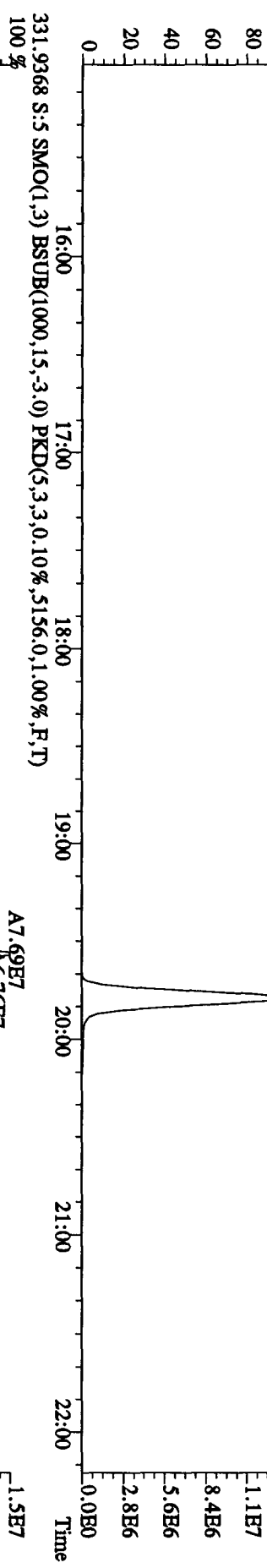
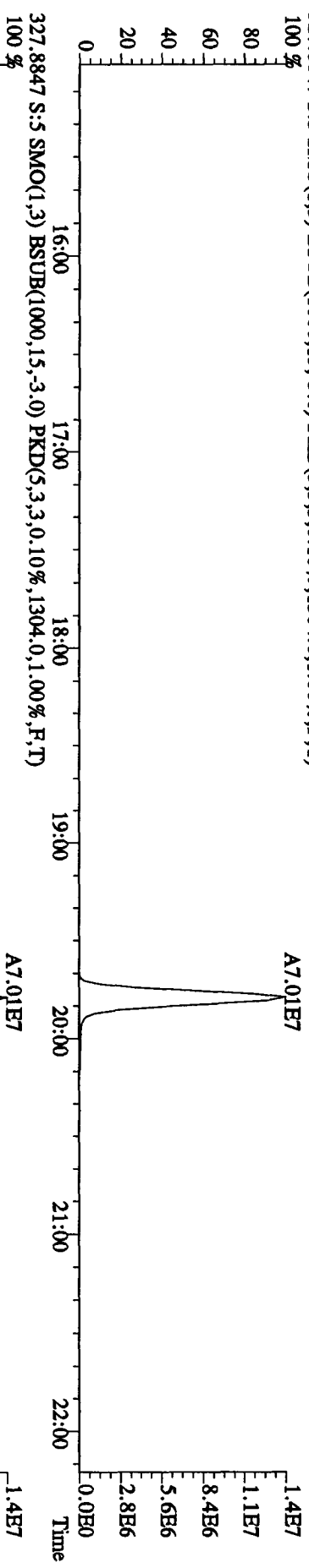
File:21AP104D5 #1-434 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,888.0,1.00%,F,T)
 100%



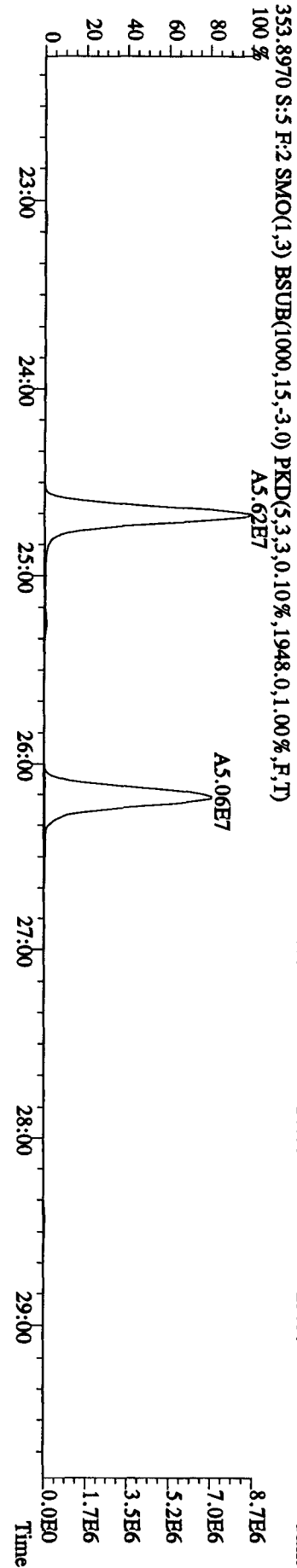
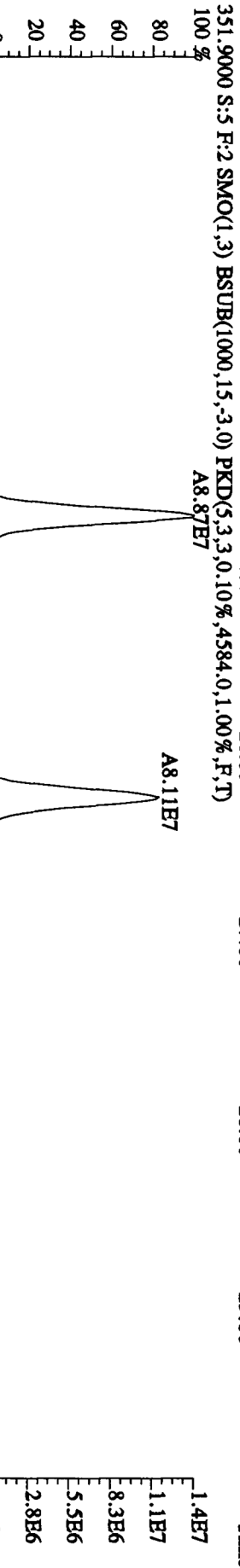
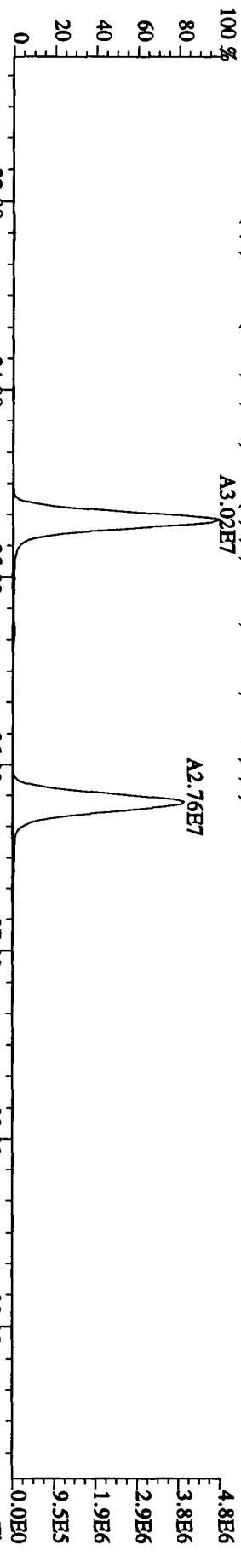
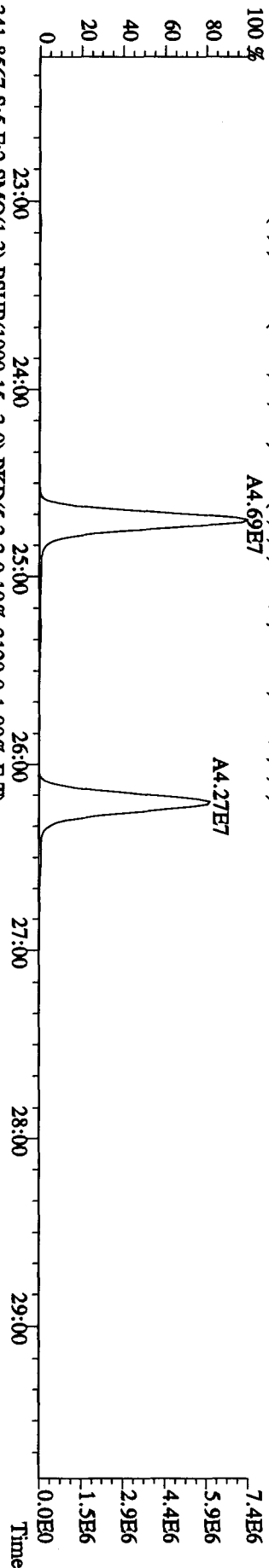
File:21AP104D5 #1-434 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:LX3CP-1-AC :GOD160000-187C Exp:DIOXINRES8290A
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1068,0,1,00%,F,T)



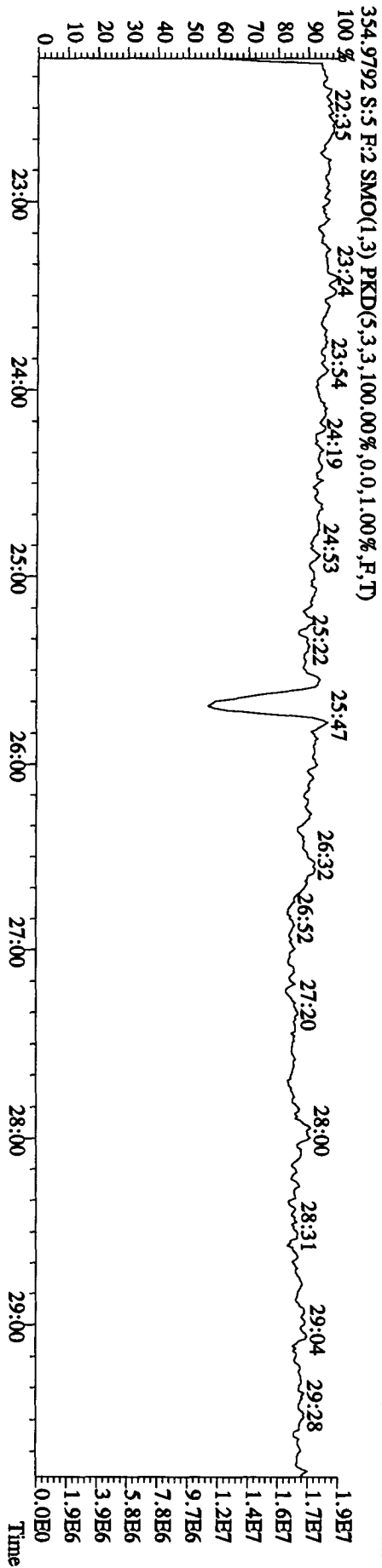
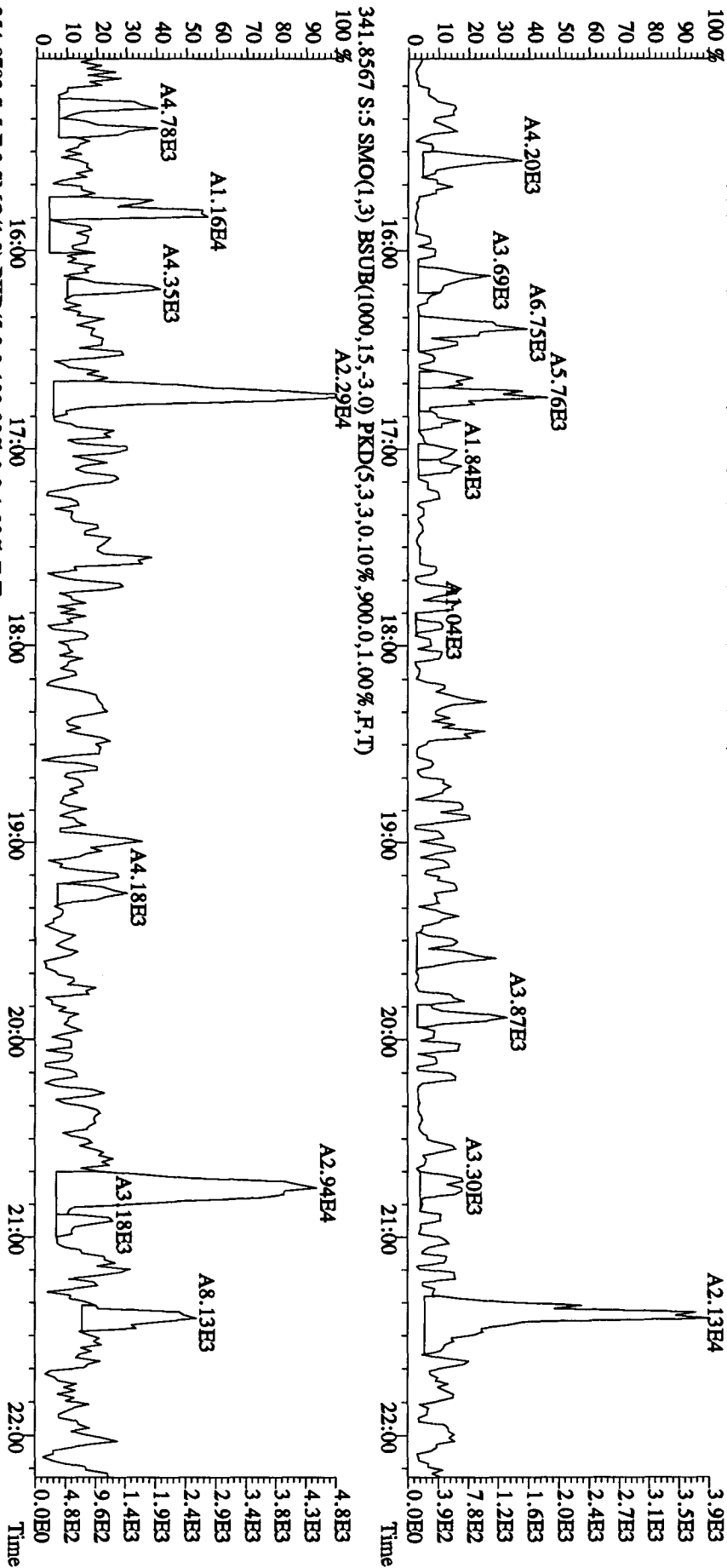
File: 21AP104D5 #1-434 Acq: 21-APR-2010 11:18:36 GC EI + Voltage SIR Autospec-Ultimate
 Sample#5 Text: LX3CP-1-AC :GODI60000-187C Exp: DIOXINRES8290A
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1304,0,1,1.00%,F,T)



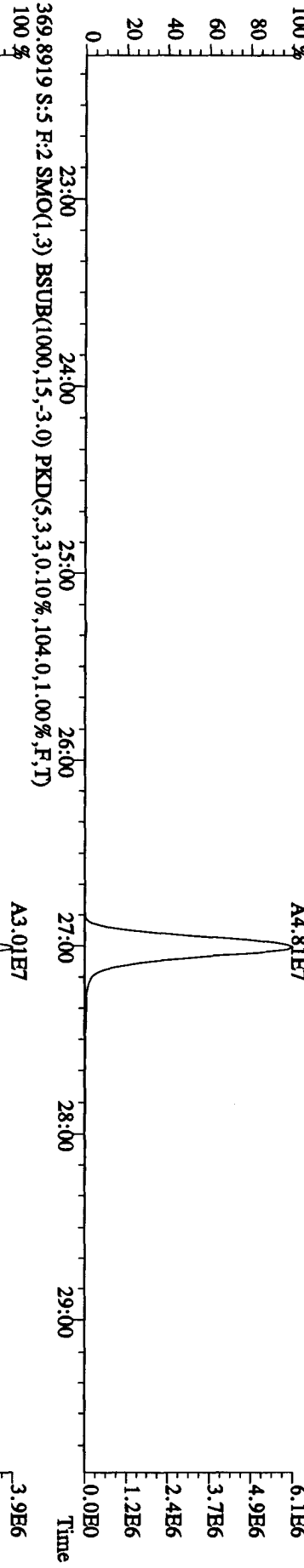
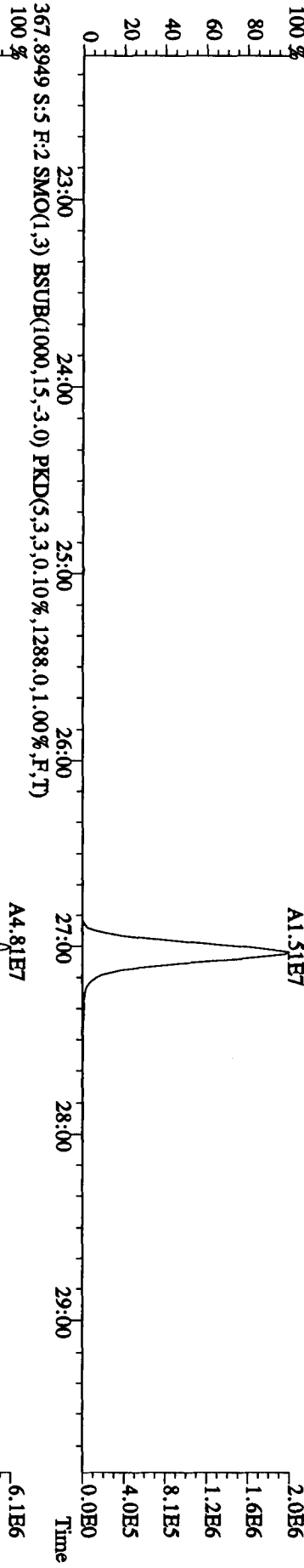
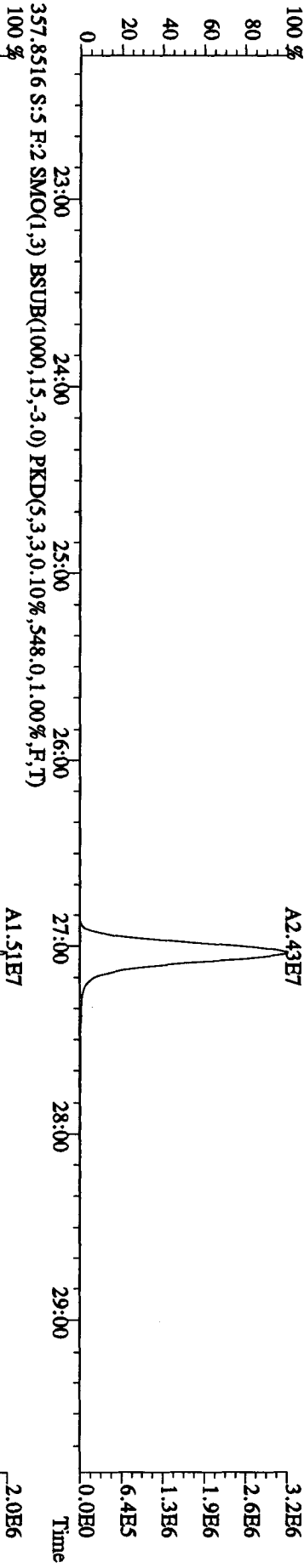
File:21AP104D5 #1-604 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UHimaE
 Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
 339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)
 100% A4.69E7



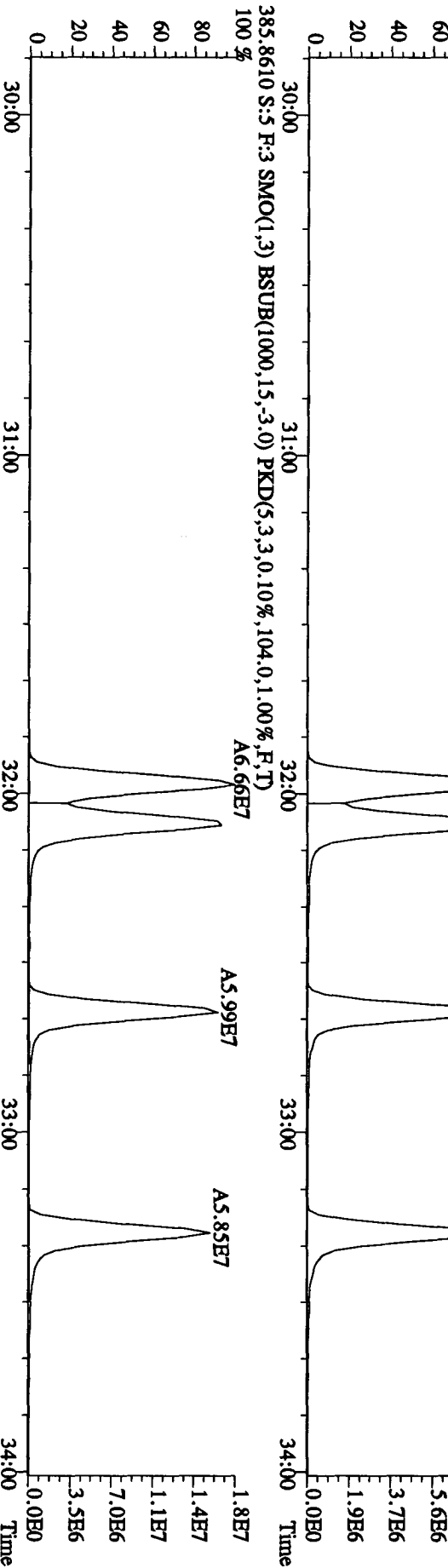
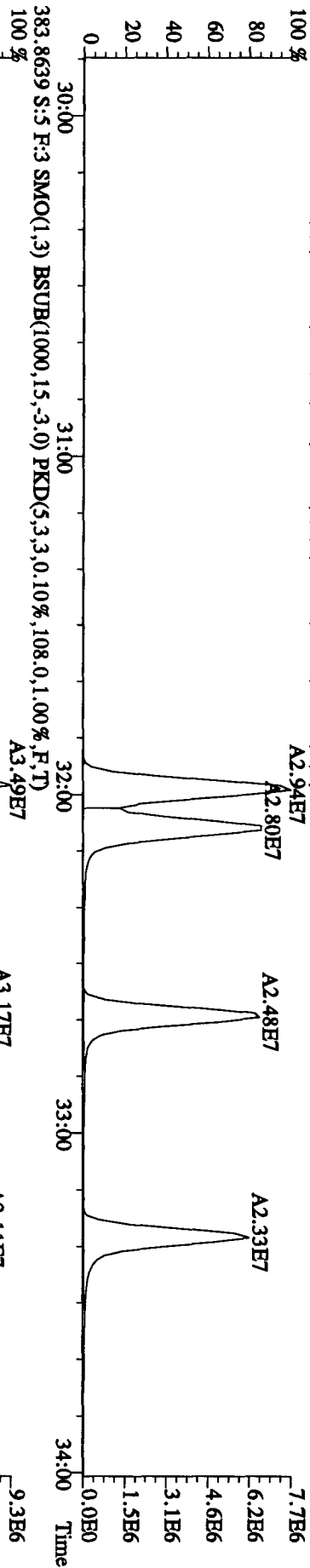
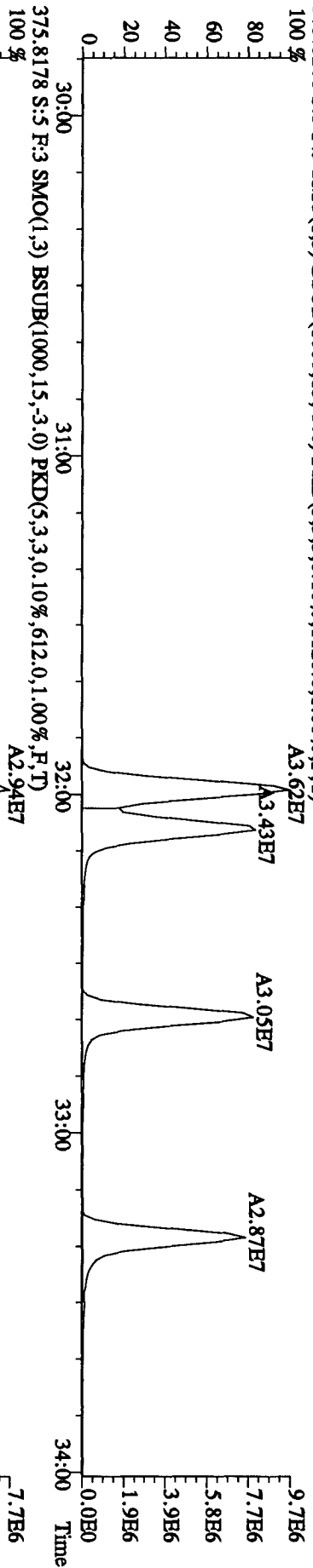
File:21AP104D5 #1-434 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-Ultimate
Sample#5 Text:LX3CP-1-AC :GOD160000-187C Exp:DIOXINRES8290A
339.8597 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,900,0,1,00%,F,T)



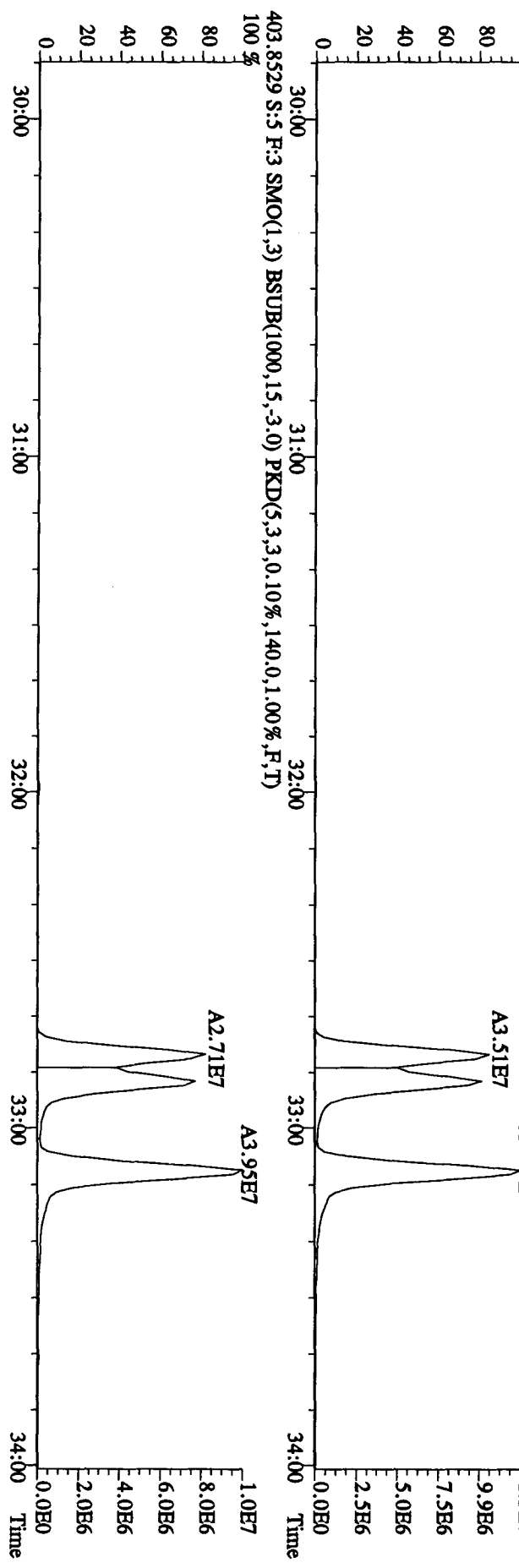
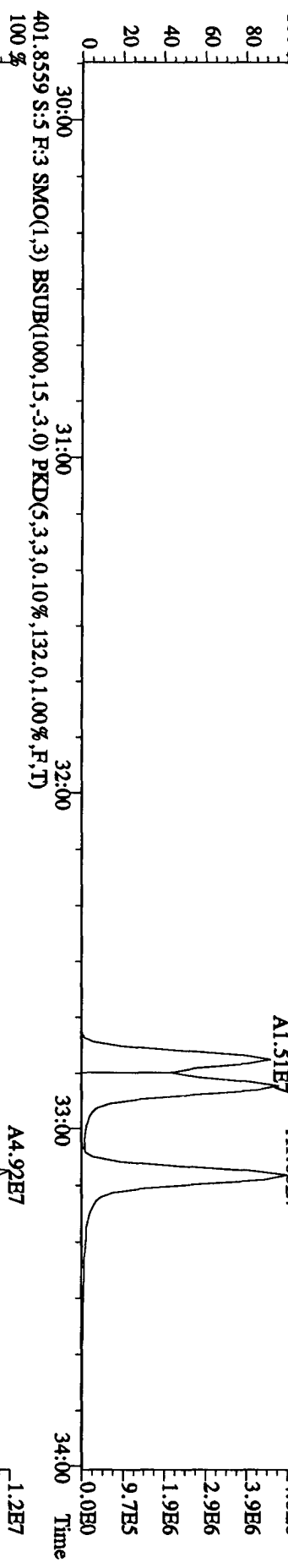
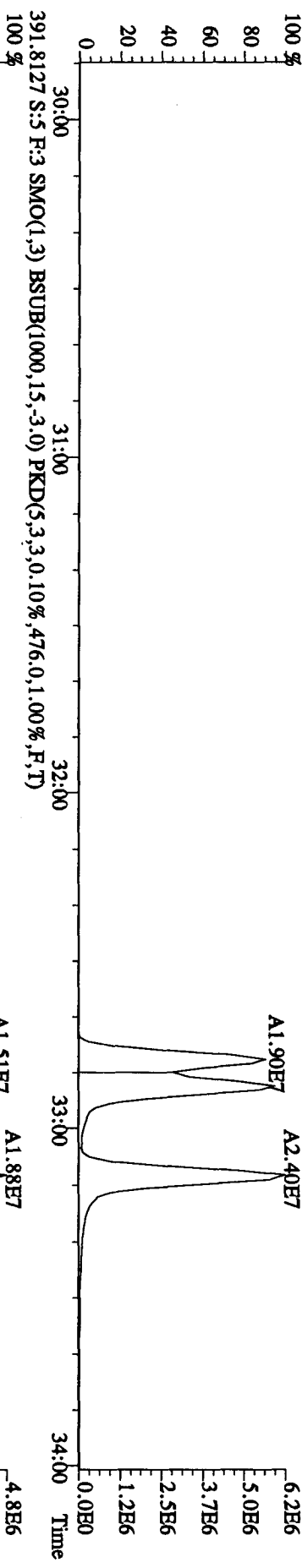
File:21AP104D5 #1-604 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320,0,1.00%,F,T) 100%



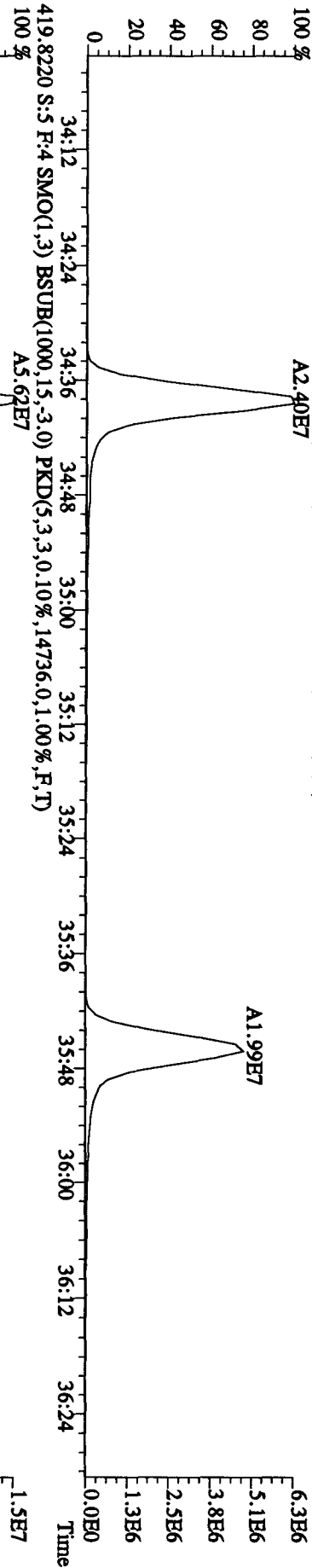
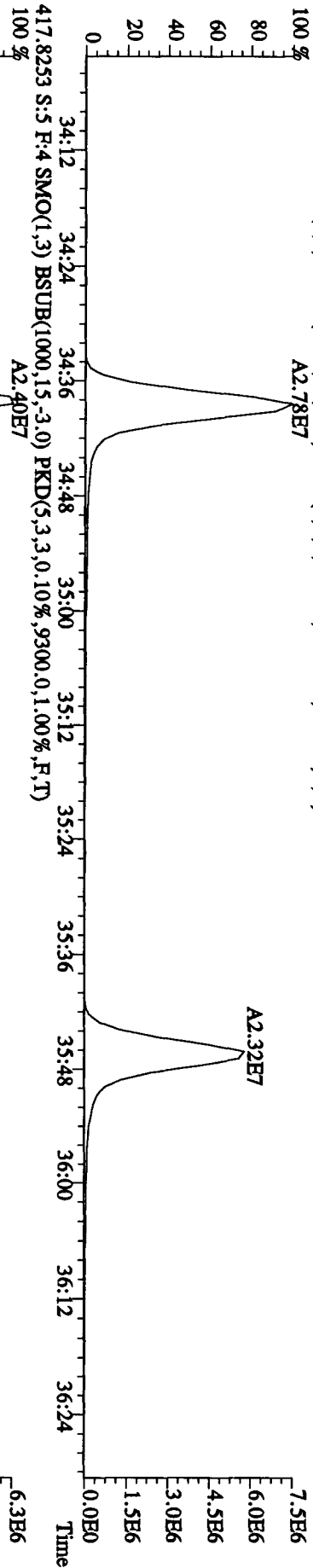
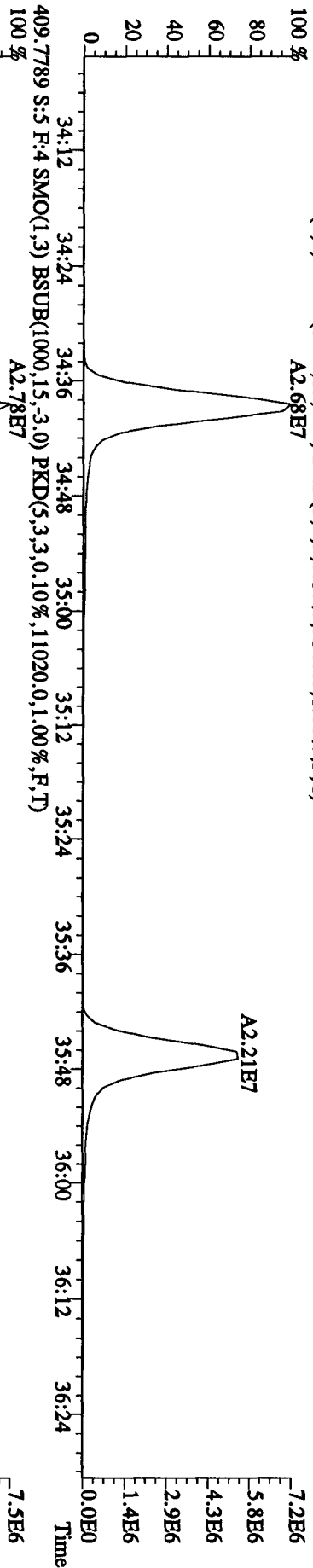
File:21AP104D5 #1-317 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1120,0.1,0.0%,F,T)
 A3.62E7



File:21AP104D5 #1-317 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
 389.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,464.0,1.00%,F,T)



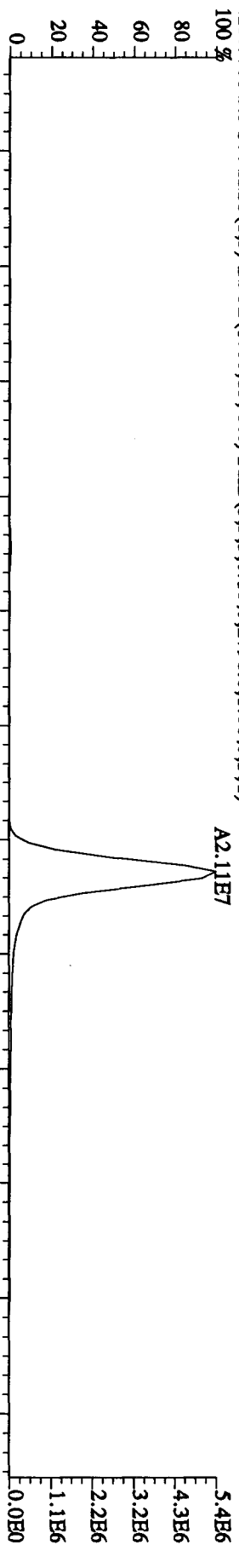
File:21AP104D5 #1-198 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:LX3CP-1-AC :G0D16000-187C Exp:DIOXINRES8290A
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9248,0,1.00%,F,T)
 100 % A2.68E7



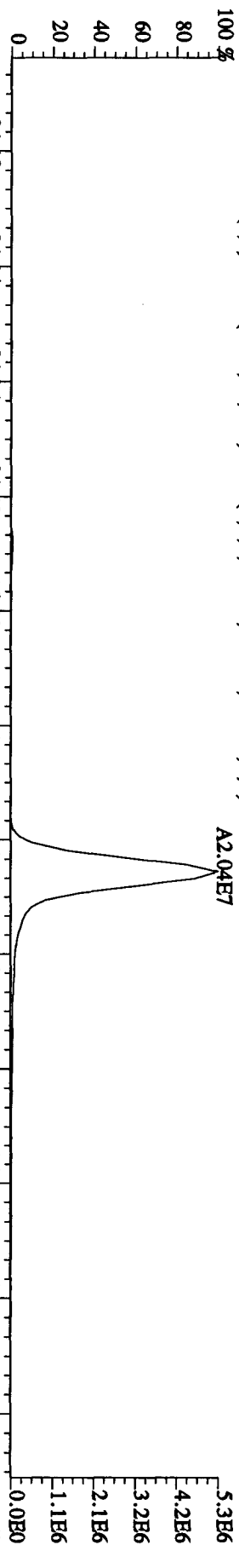
File:21AP104D5 #1-198 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:LX3CP-1-AC :GOD160000-187C Exp:DIOXINRES8290A

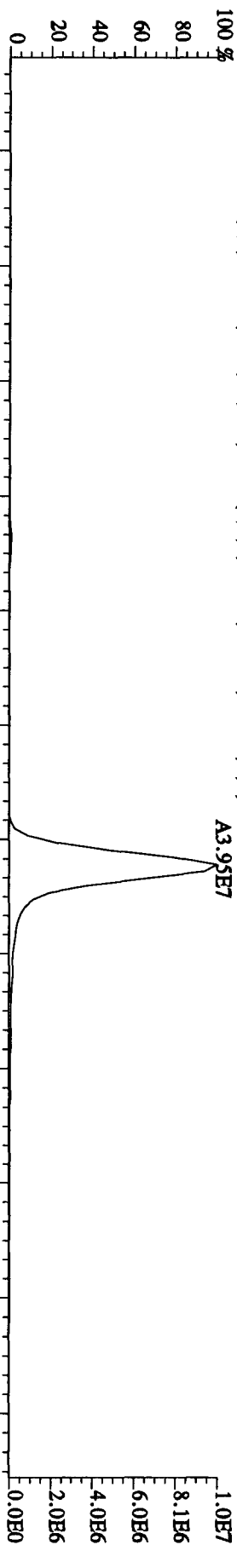
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796,0,1.00%,F,T)



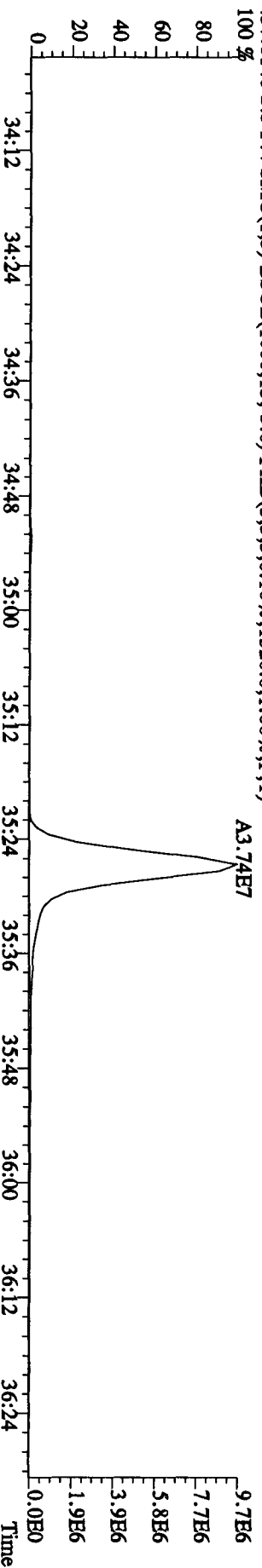
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3984,0,1.00%,F,T)



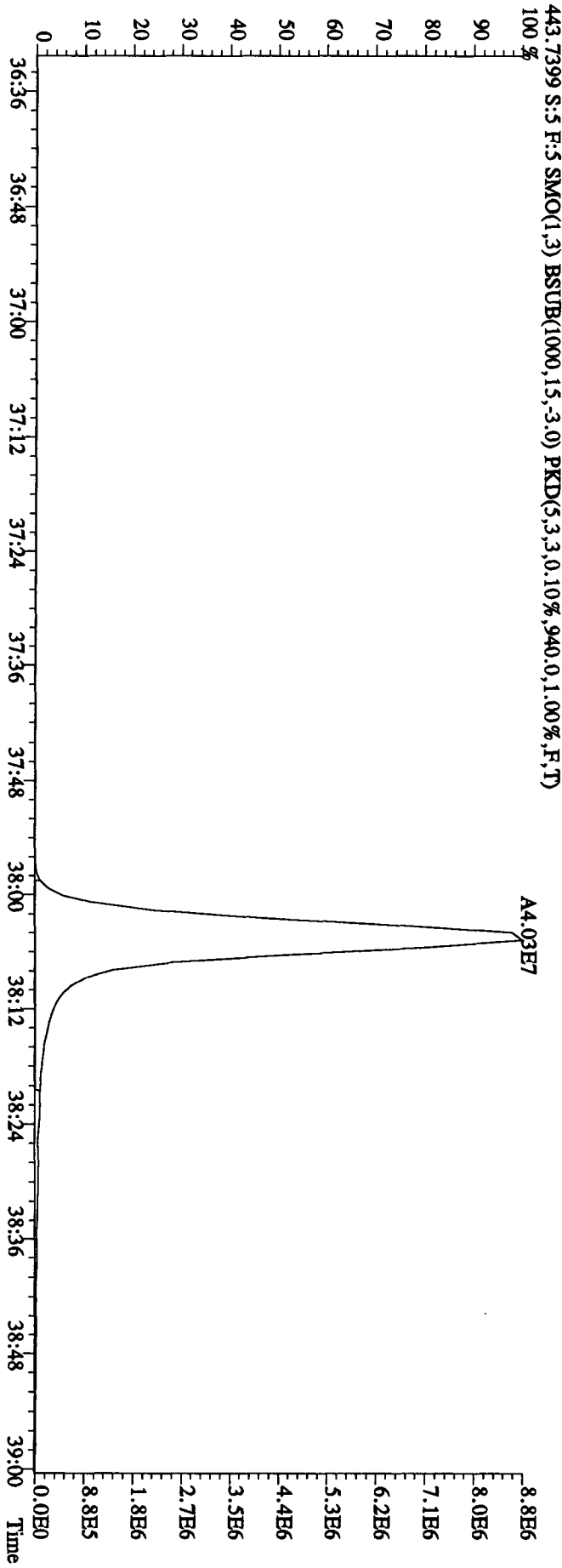
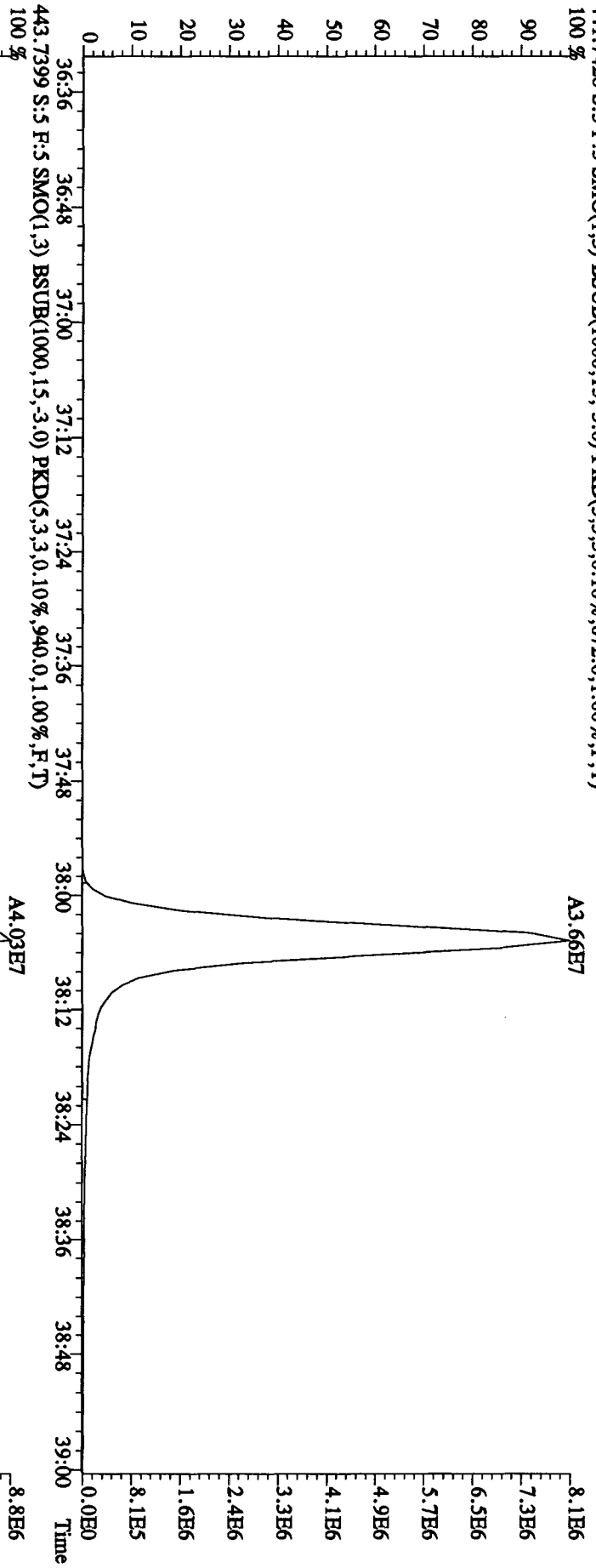
435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2176,0,1.00%,F,T)



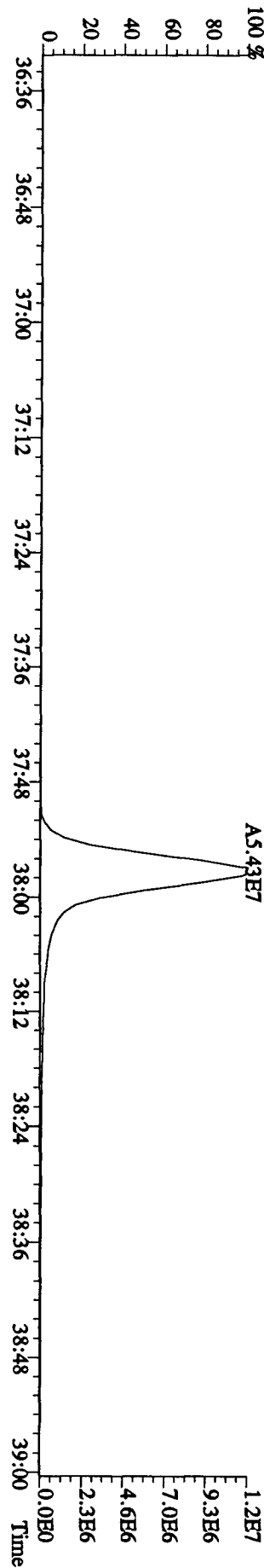
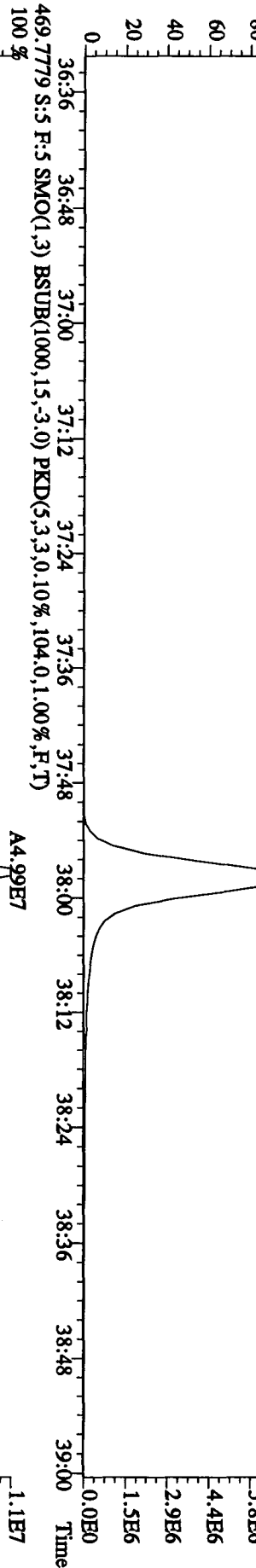
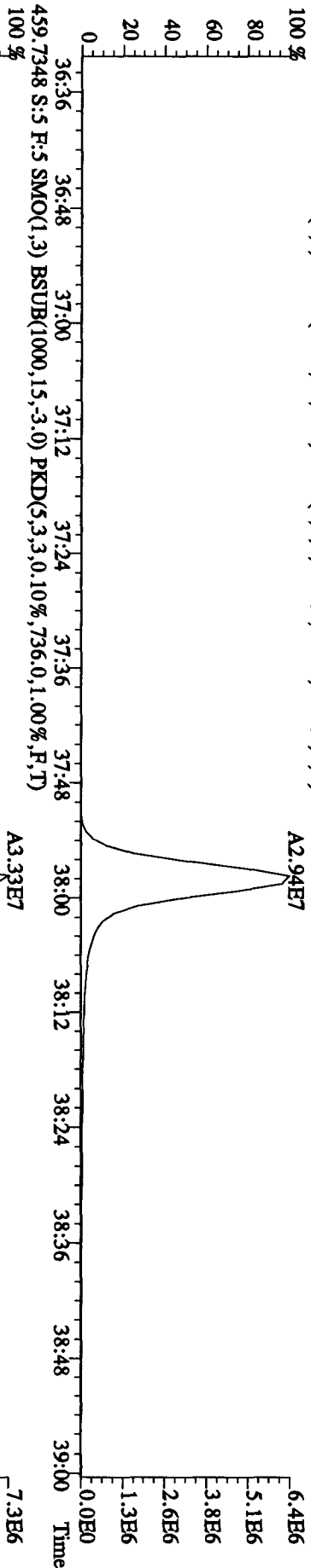
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1520,0,1.00%,F,T)



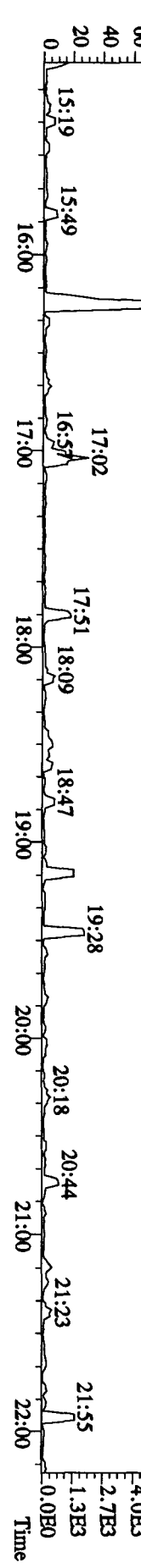
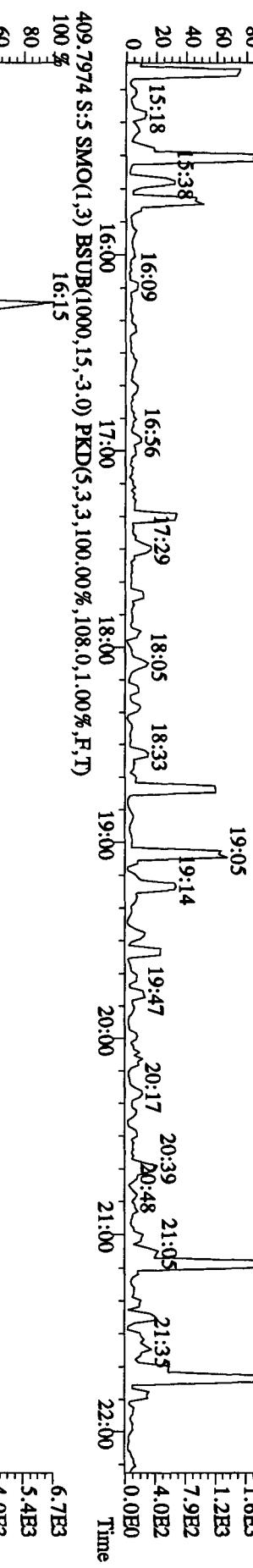
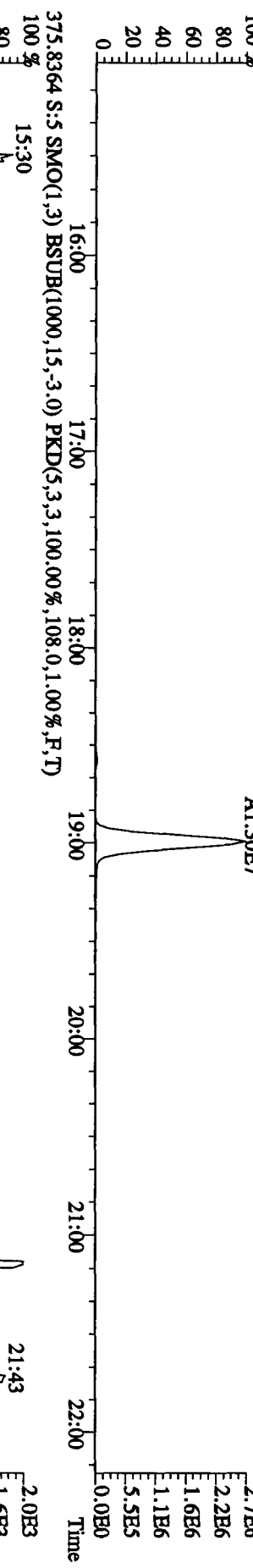
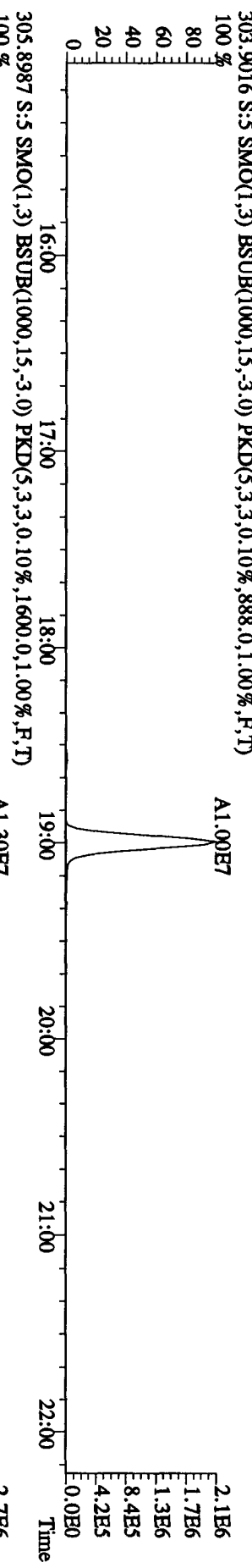
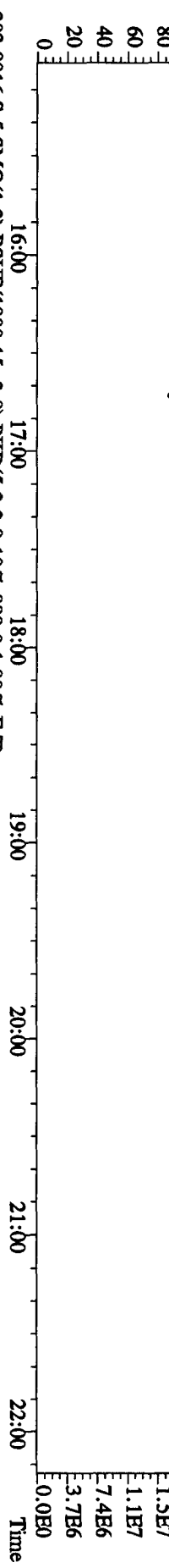
File:21AD104D5 #1-190 Acq:21-APR-2010 11:18:36 GC EI + Voltage SIR Autospec-UltimaE
Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,672.0,1.00%,F,T)



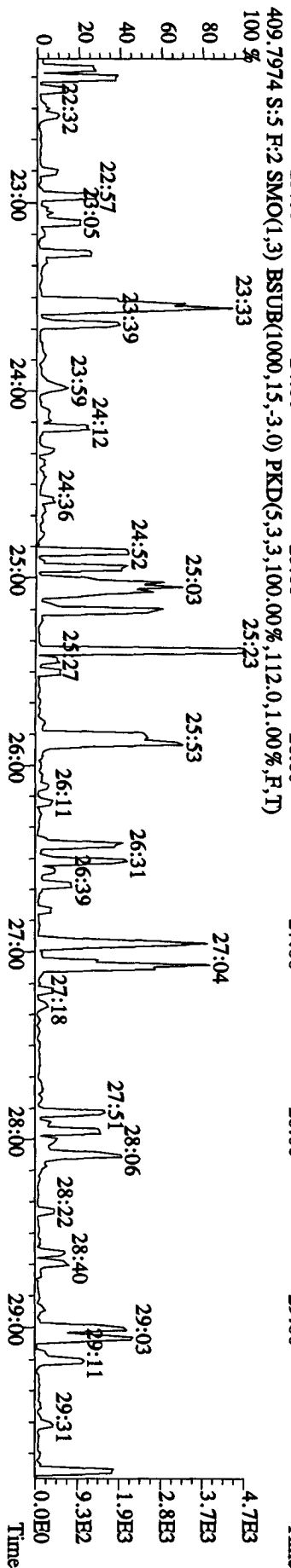
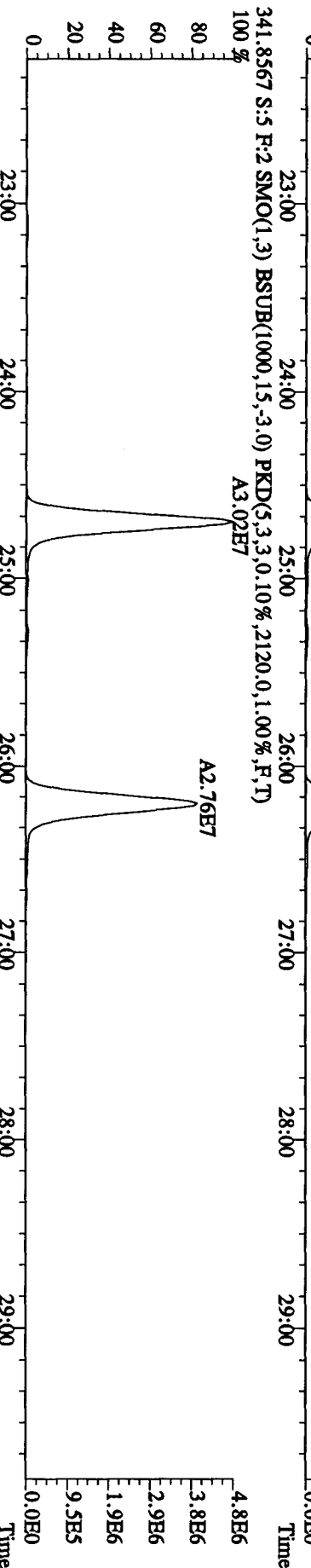
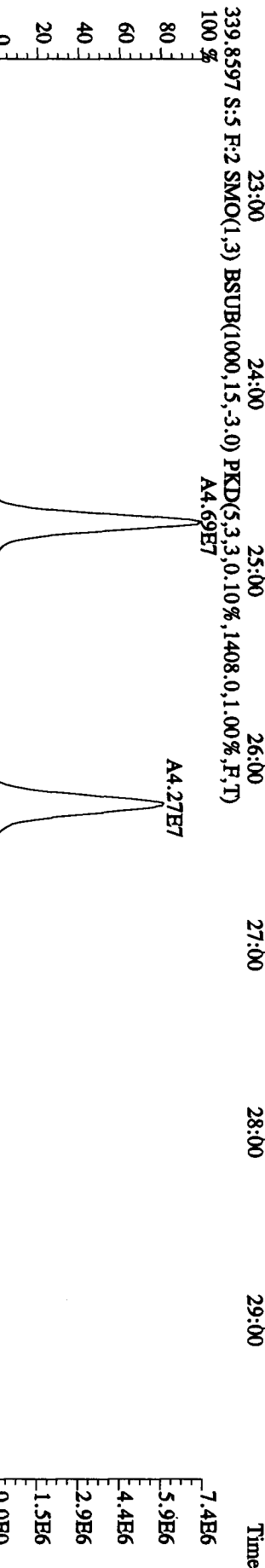
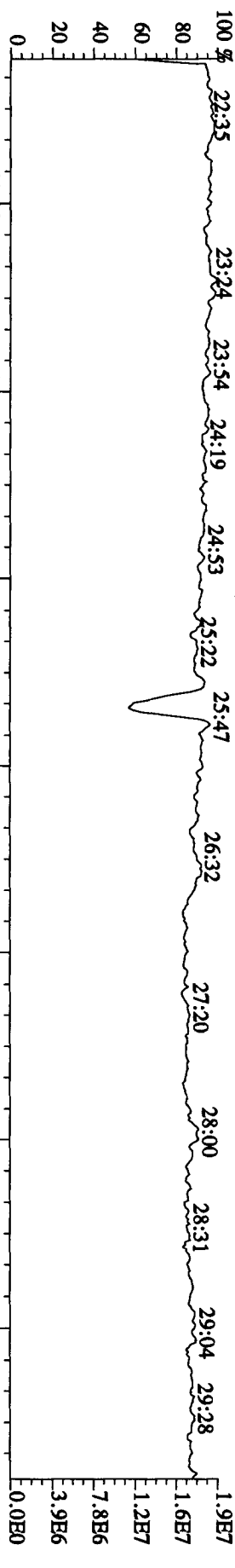
File:21AP104D5 #1-190 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UHimaE
 Sample#5 Text:LX3CP-1-AC :GOD160000-187C Exp:DIOXINRES8290A
 457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,760.0,1.00%,F,T) 100%



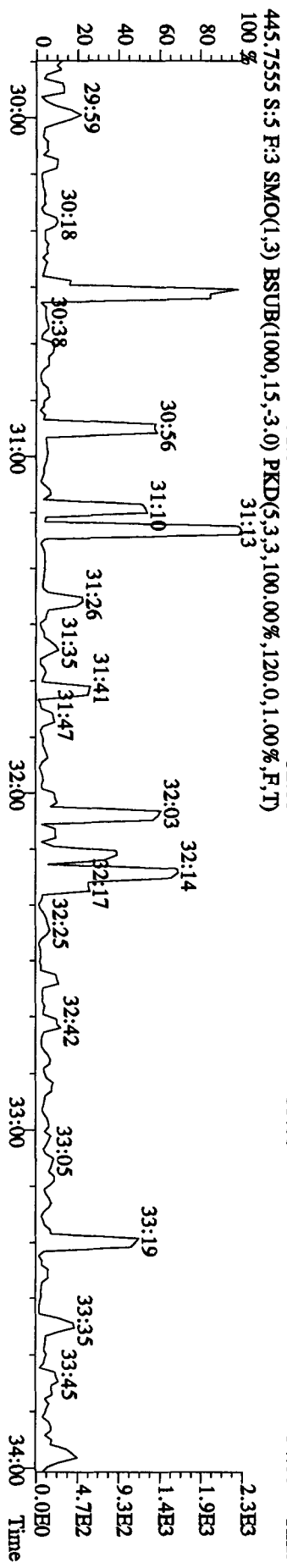
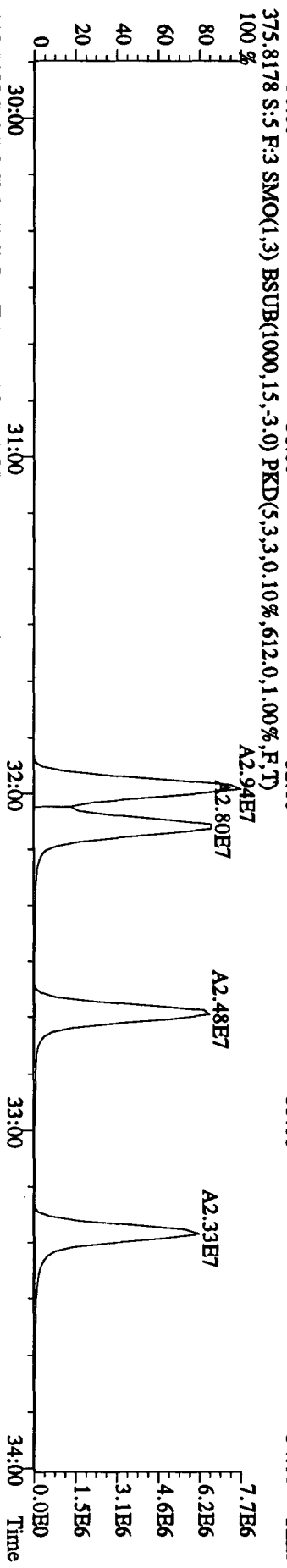
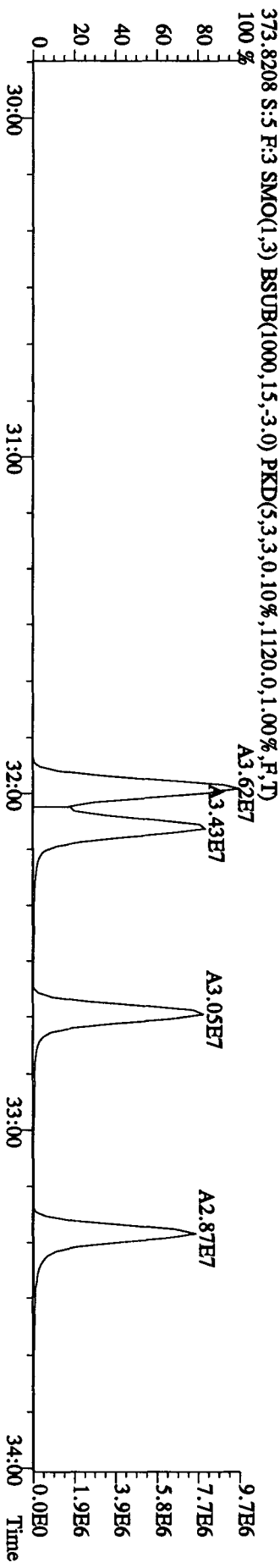
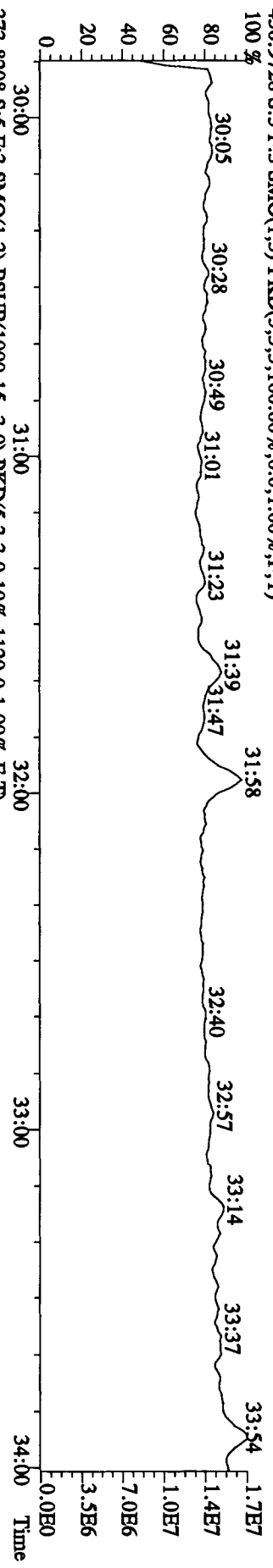
File:21AP104D5 #1-434 Acq:21-APR-2010 11:18:36 GC BI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
 354.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:13 16:03 16:37 17:20 17:42 18:19 18:55 19:35 20:09 20:57 21:29 21:51



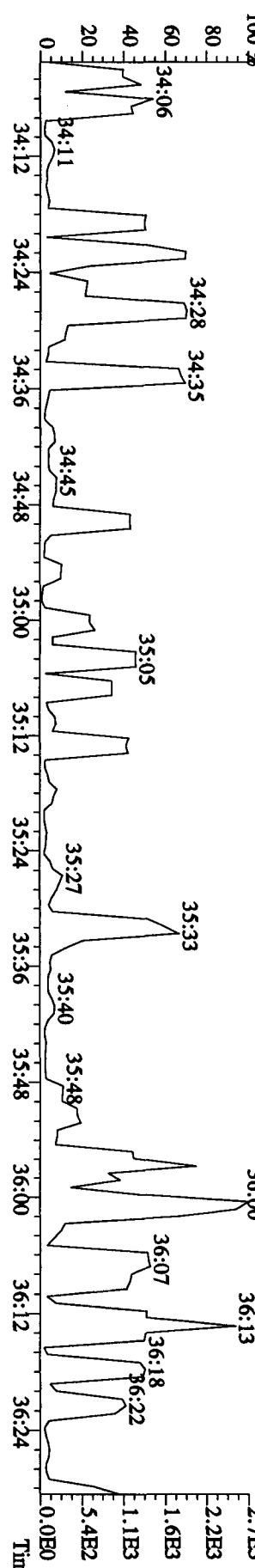
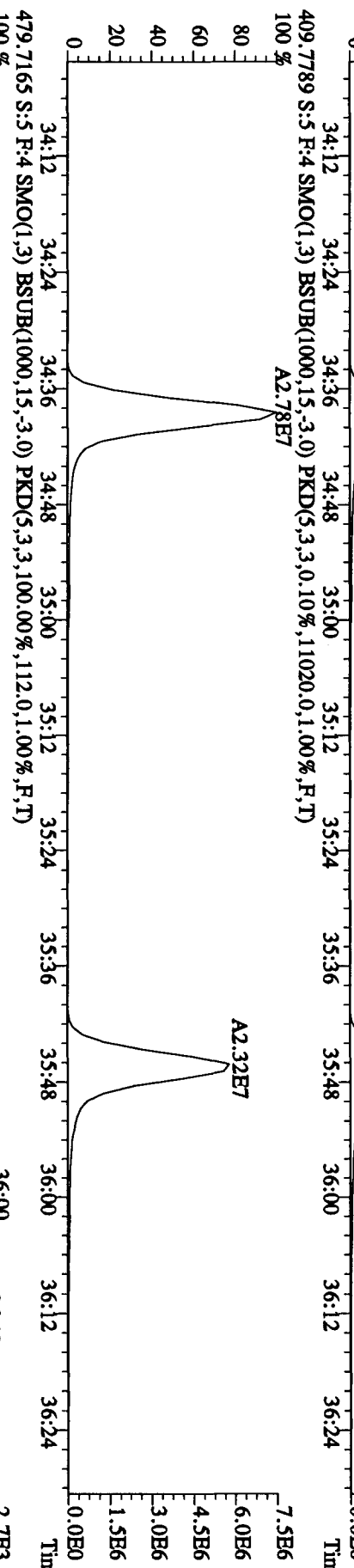
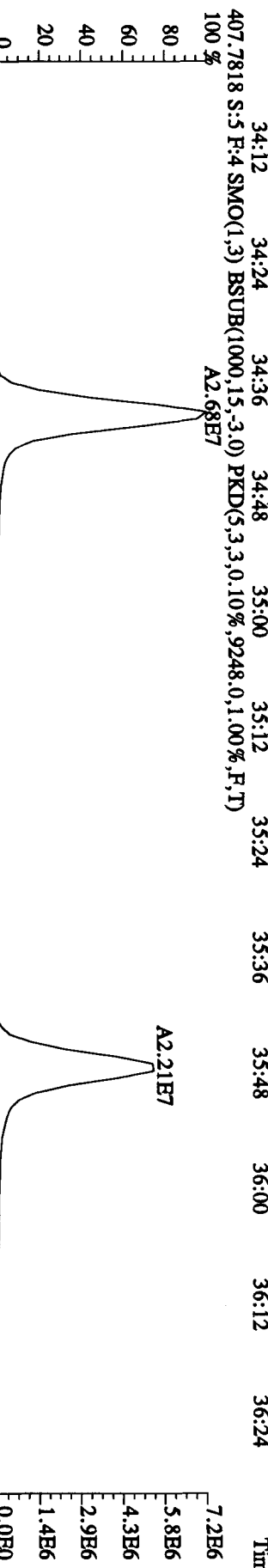
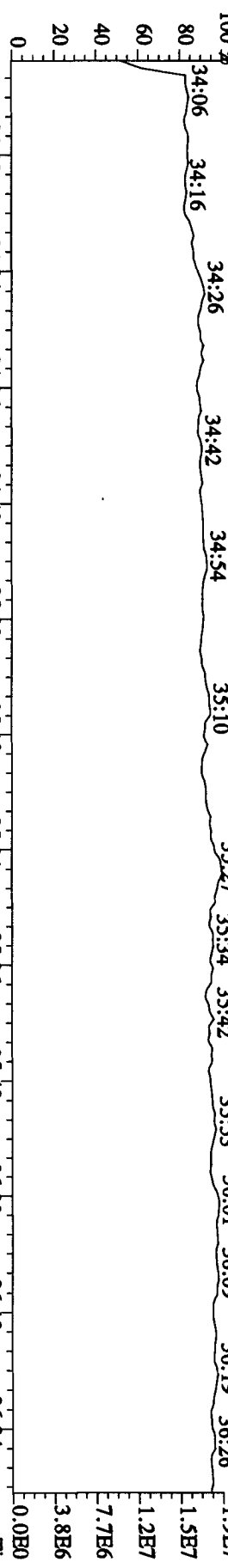
File: 21AP104D5 #1-604 Acq: 21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: LIX3CP-1-AC :G0D160000-187C Exp: DIOXINRES8290A
 354.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:21AD104D5 #1-317 Acq:21-APR-2010 11:18:36 GC EI + Voltage SIR Autospec-UltimaB
 Sample#5 Text:LX3CP-1-AC :G0D160000-187C Exp:DIOXINRES8290A
 430.9728 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



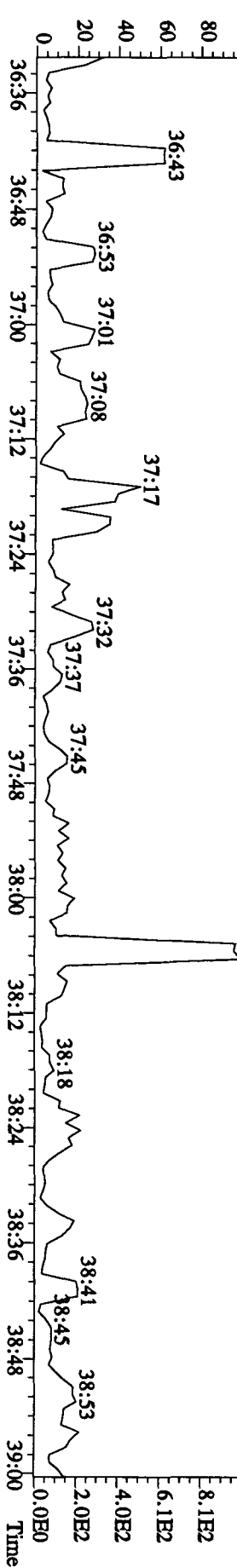
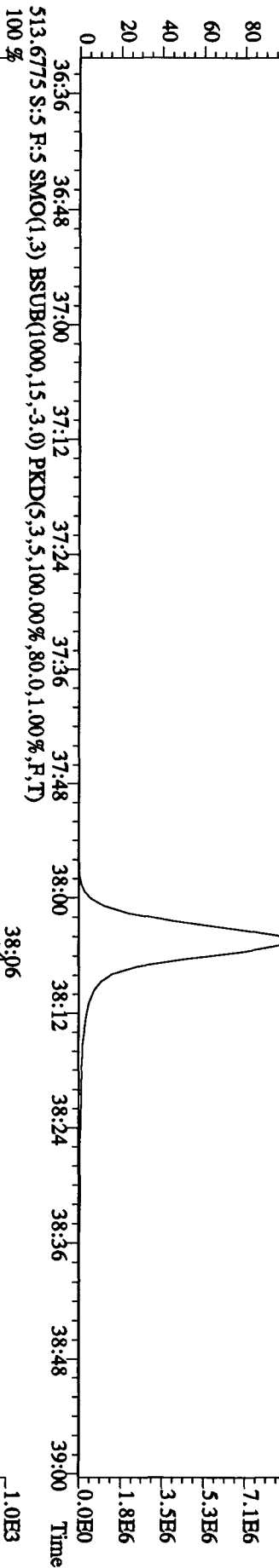
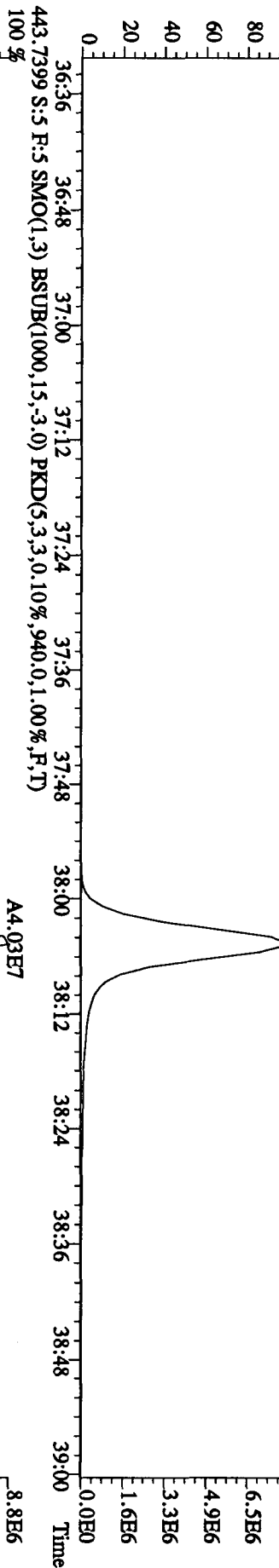
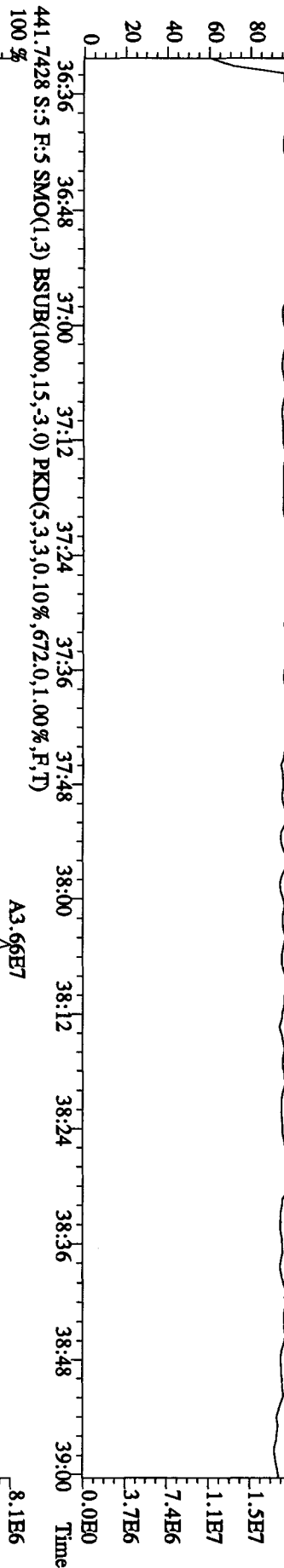
File:21AP104D5 #1-198 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:LX3CP-1-AC :GOD160000-187C Exp:DIOXINRES8290A
 430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:21AP104D5 #1-190 Acq:21-APR-2010 11:18:36 GC EI+ Voltage SIR Autospec-UltimaB

Sample#5 Text:LX3CF-1-AC :G0D160000-187C Exp:DIOXINRES8290A

442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T) 36:37 36:56 37:14 37:24 37:33 37:41 37:51 38:01 38:09 38:19 38:29 38:42 38:52



Vg 4.25.18

Run text: LXM7K-1-AD Sample text: LXM7K-1-AD :G0D080425-18
 Run #10 Filename: 21AP104D5 S: 6 I: 1 Results: 21ap104d58290avg
 Acquired: 21-APR-10 12:02:39 Processed: 21-APR-10 16:58:10
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.06 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	198370100	0.81 y	19:33	-	14.822	-	-	n
13C-2,3,7,8-TCDF	229167000	0.79 y	18:59	1.52	151.027	0.075	76.0	n
2,3,7,8-TCDF	905455	0.79 y	19:01	0.95	0.831 JB	0.025	-	n
Total TCDF	4055966	0.72 y	16:17	0.95	3.722	0.025	-	n
13C-2,3,7,8-TCDD	162142400	0.79 y	19:46	0.95	171.109	0.116	86.1	n
2,3,7,8-TCDD	62278	0.44 n	19:45	1.02	0.075 JQB	0.030	-	n
Total TCDD	344473	0.61 n	17:18	1.02	0.414	0.030	-	n
37Cl-2,3,7,8-TCDD	154678200	1.00 y	19:47	2.26	68.553	0.040	86.2	n
13C-1,2,3,7,8-PeCDF	138632700	1.63 y	24:40	1.05	132.281	0.089	66.5	n
1,2,3,7,8-PeCDF	416913	1.31 n	24:42	1.04	0.572 JQB	0.054	-	n
2,3,4,7,8-PeCDF	242517	1.20 n	26:11	0.98	0.354 JQB	0.057	-	n
Total F2 PeCDF	2614635	2.00 n	22:55	1.01	3.693	0.056	-	n
Total F1 PeCDF	165700	0.16 n	16:41	1.01	0.234	0.047	-	n
13C-1,2,3,7,8-PeCDD	81041200	1.60 y	27:00	0.67	121.139	0.043	60.9	n
1,2,3,7,8-PeCDD	71354	1.73 y	27:00	0.98	0.178 J	0.073	-	y
Total PeCDD	255657	1.01 n	23:21	0.98	0.639	0.073	-	y
13C-1,2,3,7,8,9-HxCDD	85055100	1.29 y	33:07	-	8.228	-	-	n
13C-1,2,3,4,7,8-HxCDF	86867400	0.52 y	31:58	1.02	198.118	0.050	99.7	n
1,2,3,4,7,8-HxCDF	449211	1.21 y	31:58	1.21	0.848 JQB	0.056	-	n
1,2,3,6,7,8-HxCDF	263218	1.21 y	32:06	1.34	0.449 J	0.050	-	n
2,3,4,6,7,8-HxCDF	77253	0.76 n	32:40	1.22	0.145 JQ	0.055	-	y
1,2,3,7,8,9-HxCDF	83827	1.51 n	33:18	1.09	0.176 JQ	0.062	-	y
Total HxCDF	1436792	0.99 n	30:38	1.22	2.676	0.055	-	y
13C-1,2,3,6,7,8-HxCDD	54511400	1.29 y	32:52	0.81	157.873	0.006	79.4	n
1,2,3,4,7,8-HxCDD	33754	1.21 y	32:48	1.01	0.122 J	0.061	-	n
1,2,3,6,7,8-HxCDD	47883	0.87 n	32:52	1.11	0.157 JQ	0.055	-	n
1,2,3,7,8,9-HxCDD	56932	0.94 n	33:08	1.21	0.172 JQ	0.051	-	n
Total HxCDD	223195	1.98 n	31:25	1.11	0.729	0.056	-	n
13C-1,2,3,4,6,7,8-HpCDF	49227600	0.42 y	34:38	0.86	133.394	0.740	67.1	n
1,2,3,4,6,7,8-HpCDF	344780	1.27 n	34:38	1.31	1.063 JQB	0.140	-	n
1,2,3,4,7,8,9-HpCDF	192643	1.02 y	35:47	1.03	0.759 J	0.179	-	n
Total HpCDF	744081	1.37 n	34:38	1.17	2.536	0.157	-	n
13C-1,2,3,4,6,7,8-HpCDD	49328200	1.05 y	35:27	0.70	165.305	0.095	83.1	n
1,2,3,4,6,7,8-HpCDD	101894	1.29 n	35:27	1.07	0.383 JQB	0.104	-	n
Total HpCDD	145599	0.57 n	34:53	1.07	0.547	0.104	-	n
13C-OCDD	51537700	0.91 y	37:58	0.53	226.697	0.070	57.0	n
OCDF	487414	0.93 y	38:05	1.45	2.602 JB	0.122	-	n

OCDD

193385 0.83 y 37:58 1.17

1.279 *SB*

0.159

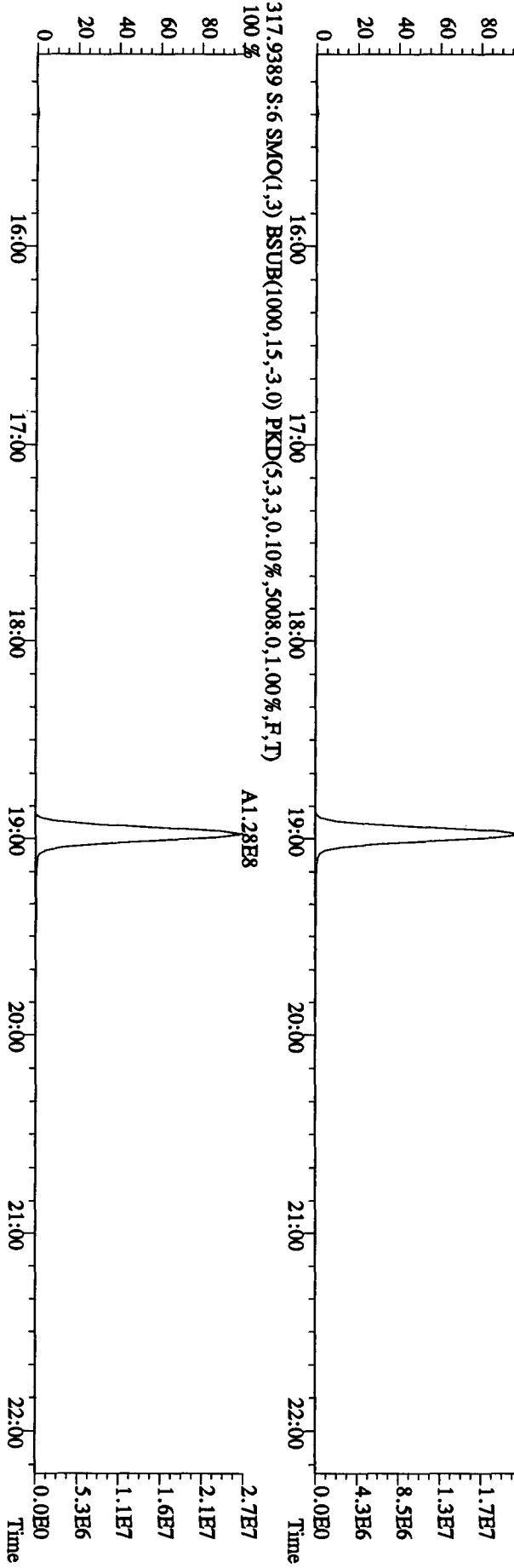
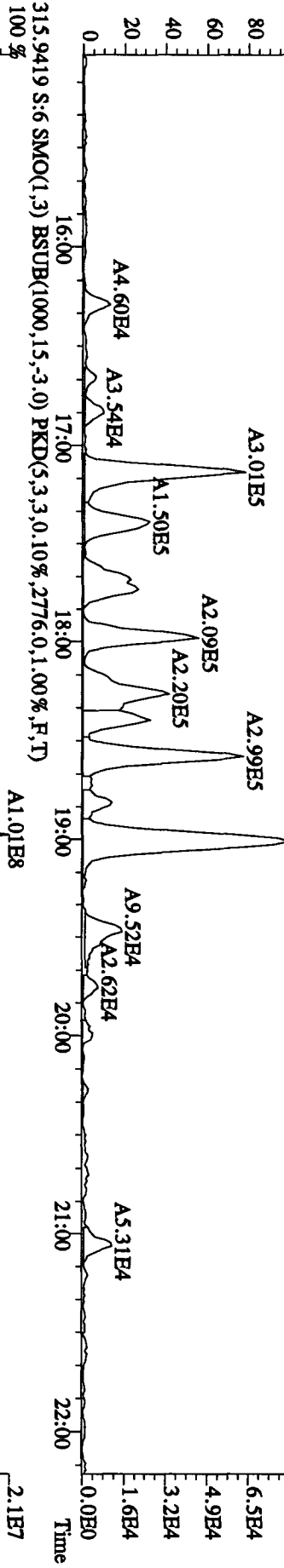
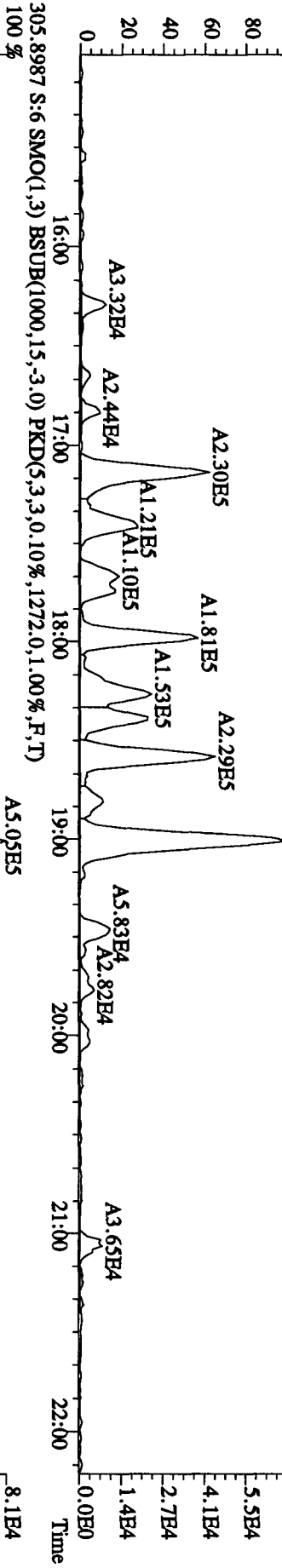
- n

Run text: LXM7K-1-AD Sample text: LXM7K-1-AD :G0D080425-18
 Run #10 Filename: 21AP104D5 S: 6 I: 1 Results: 21AP104D58290A
 Acquired: 21-APR-10 12:02:39 Processed: 21-APR-10 16:58:10
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.06 g

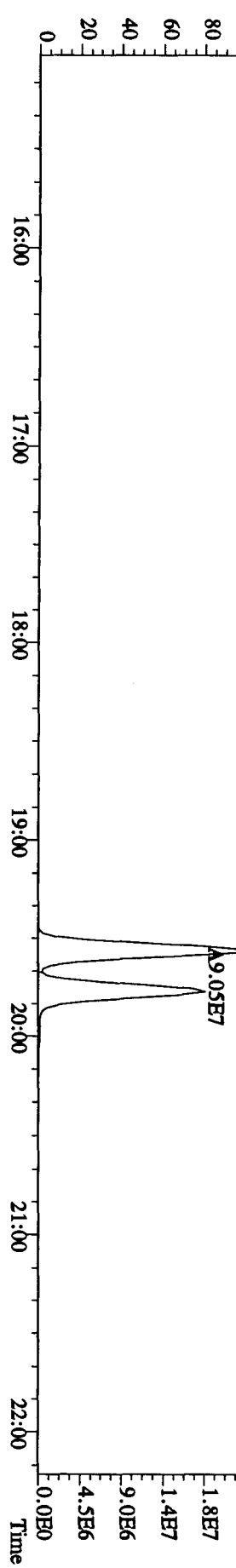
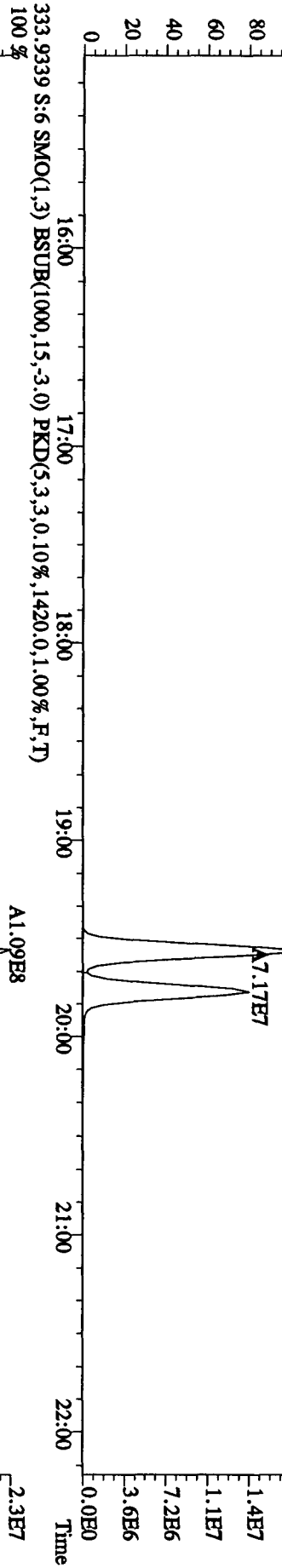
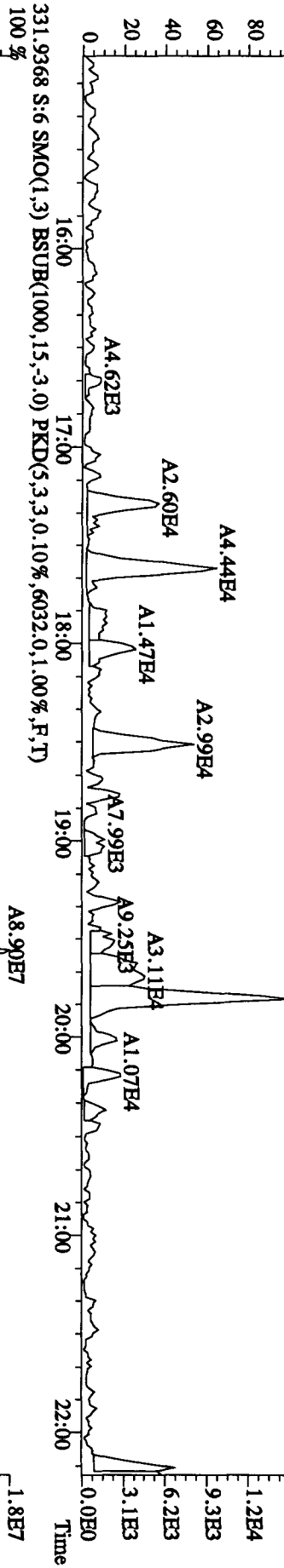
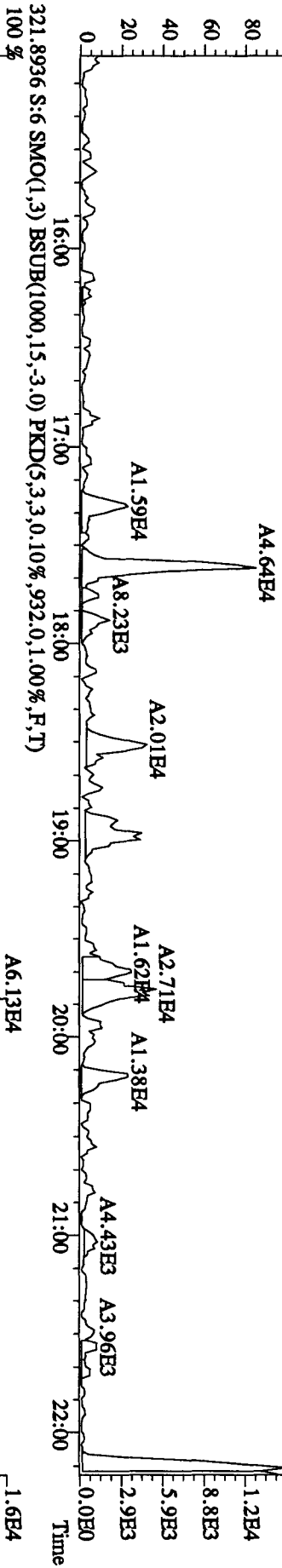
VB 4.23.6

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	198370100	0.81 y	19:33	-	14.8217	-	-	n
13C-2,3,7,8-TCDF	229167000	0.79 y	18:59	1.52	151.0266	0.0754	76.0	n
2,3,7,8-TCDF	905455	0.79 y	19:01	0.95	0.8309	0.0245	-	n
Total TCDF	4055966	0.72 y	16:17	0.95	3.7222	0.0245	-	n
13C-2,3,7,8-TCDD	162142400	0.79 y	19:46	0.95	171.1085	0.1156	86.1	n
2,3,7,8-TCDD	62278	0.4 n	19:45	1.02	0.0748	0.0302	-	n
Total TCDD	344473	0.61 n	17:18	1.02	0.4137	0.0302	-	n
37Cl-2,3,7,8-TCDD	154678200	1.00 y	19:47	2.26	68.5531	0.0403	86.2	n
13C-1,2,3,7,8-PeCDF	138632700	1.63 y	24:40	1.05	132.2811	0.0894	66.5	n
1,2,3,7,8-PeCDF	416913	1.31 n	24:42	1.04	0.5723	0.0540	-	n
2,3,4,7,8-PeCDF	242517	1.20 n	26:11	0.98	0.3541	0.0575	-	n
Total F2 PeCDF	2614635	2.00 n	22:55	1.01	3.6930	0.0557	-	n
Total F1 PeCDF	165700	0.16 n	16:41	1.01	0.2345	0.0473	-	n
13C-1,2,3,7,8-PeCDD	81041200	1.60 y	27:00	0.67	121.1389	0.0426	60.9	n
1,2,3,7,8-PeCDD	27834	2.42 n	27:04	0.98	0.0695	0.0731	-	n
Total PeCDD	242138	1.01 n	23:21	0.98	0.6049	0.0731	-	n
13C-1,2,3,7,8,9-HxCDD	85055100	1.29 y	33:07	-	8.2279	-	-	n
13C-1,2,3,4,7,8-HxCDF	86867400	0.52 y	31:58	1.02	198.1176	0.0504	99.7	n
1,2,3,4,7,8-HxCDF	449211	1.21 y	31:58	1.21	0.8478	0.0556	-	n
1,2,3,6,7,8-HxCDF	263218	1.21 y	32:06	1.34	0.4486	0.0502	-	n
2,3,4,6,7,8-HxCDF	150595	1.17 y	32:36	1.22	0.2820	0.0552	-	n
1,2,3,7,8,9-HxCDF	83827	2.2 n	33:18	1.09	0.1756	0.0618	-	n
Total HxCDF	1510133	0.99 n	30:38	1.22	2.8128	0.0554	-	n
13C-1,2,3,6,7,8-HxCDD	54511400	1.29 y	32:52	0.81	157.8734	0.0059	79.4	n
1,2,3,4,7,8-HxCDD	47883	0.87 n	32:52	1.01	0.1735	0.0614	-	n
1,2,3,6,7,8-HxCDD	47883	0.87 n	32:52	1.11	0.1568	0.0555	-	n
1,2,3,7,8,9-HxCDD	56932	0.94 n	33:08	1.21	0.1717	0.0511	-	n
Total HxCDD	223195	1.98 n	31:25	1.11	0.7175	0.0557	-	n
13C-1,2,3,4,6,7,8-HpCDF	49227600	0.42 y	34:38	0.86	133.3939	0.7404	67.1	n
1,2,3,4,6,7,8-HpCDF	344780	1.3 n	34:38	1.31	1.0632	0.1403	-	n
1,2,3,4,7,8,9-HpCDF	192643	1.02 y	35:47	1.03	0.7586	0.1792	-	n
Total HpCDF	744081	1.37 n	34:38	1.17	2.5365	0.1574	-	n
13C-1,2,3,4,6,7,8-HpCDD	49328200	1.05 y	35:27	0.70	165.3050	0.0947	83.1	n
1,2,3,4,6,7,8-HpCDD	101894	1.2 n	35:27	1.07	0.3831	0.1037	-	n
Total HpCDD	145599	0.57 n	34:53	1.07	0.5475	0.1037	-	n
13C-OCDD	51537700	0.91 y	37:58	0.53	226.6970	0.0695	57.0	n
OCDF	487414	0.93 y	38:05	1.45	2.6017	0.1217	-	n
OCDD	193385	0.83 y	37:58	1.17	1.2793	0.1589	-	n

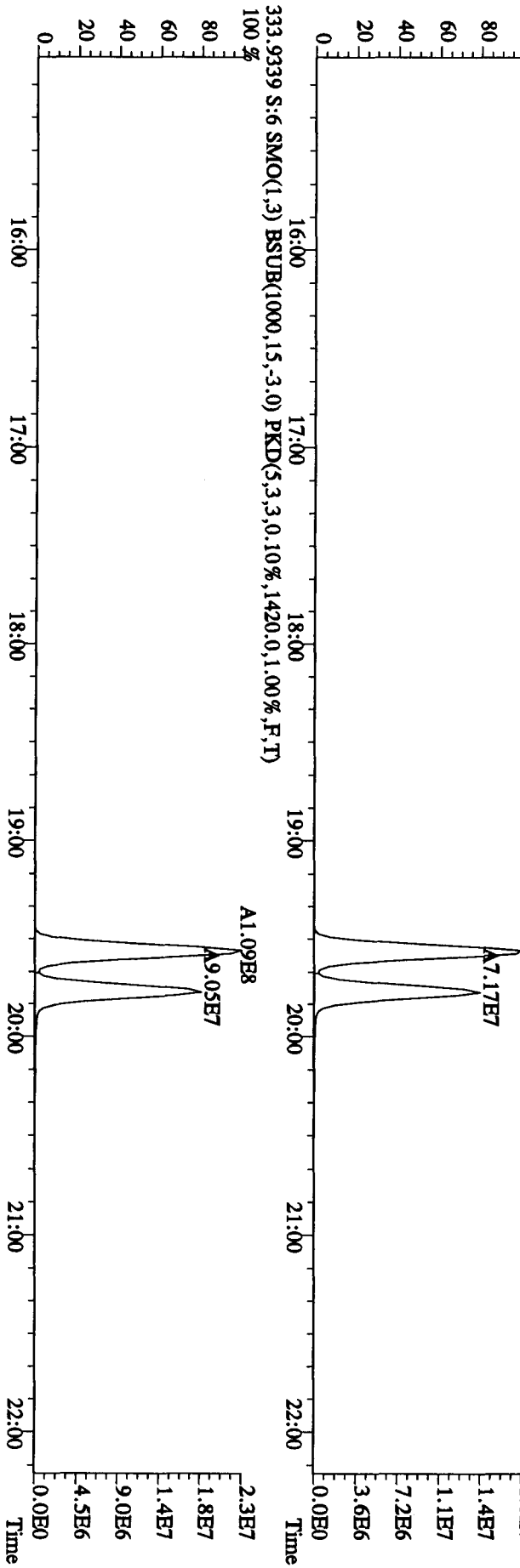
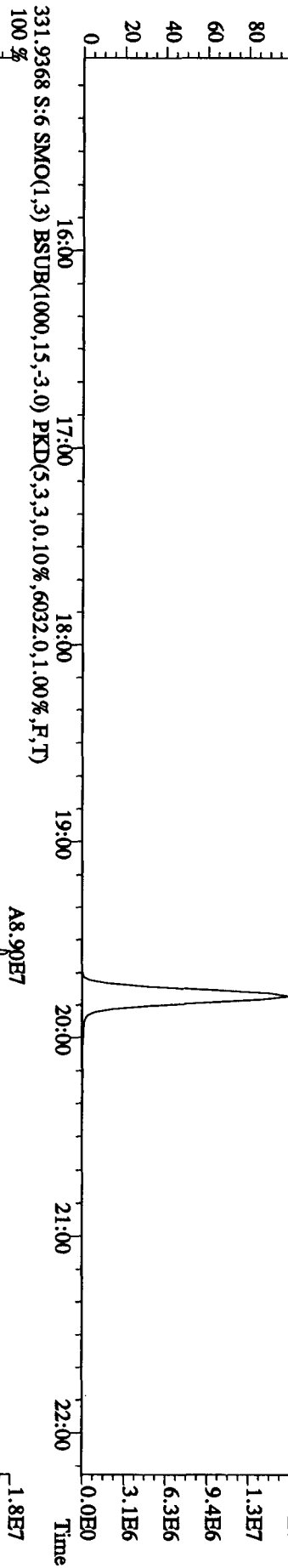
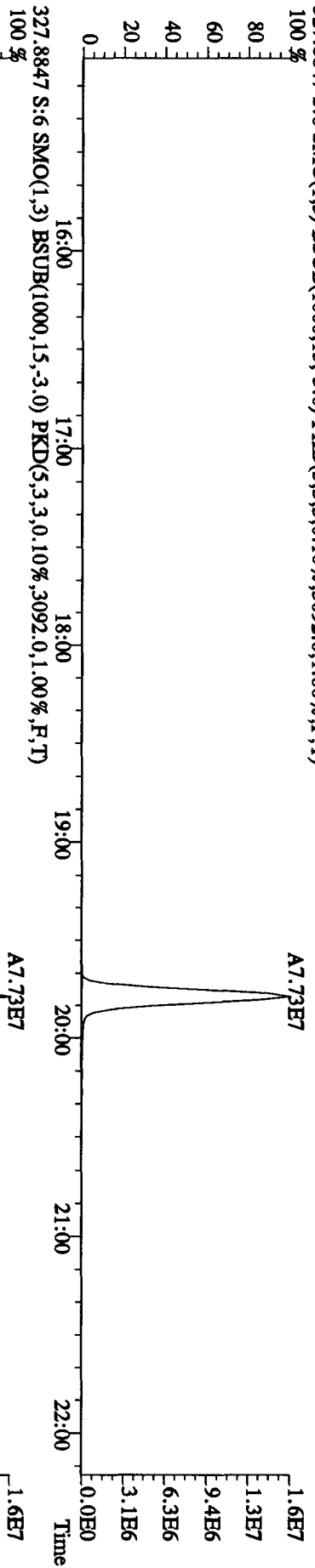
File:21AP104D5 #1-434 Acq:21-APR-2010 12:02:39 GC EI + Voltage SIR Autospec-UltimaB
 Sample#6 Text:LXMTK-1-AD :G0D080425-18 Exp:DIOXINRES8290A
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.592,0,1,00%,F,T)



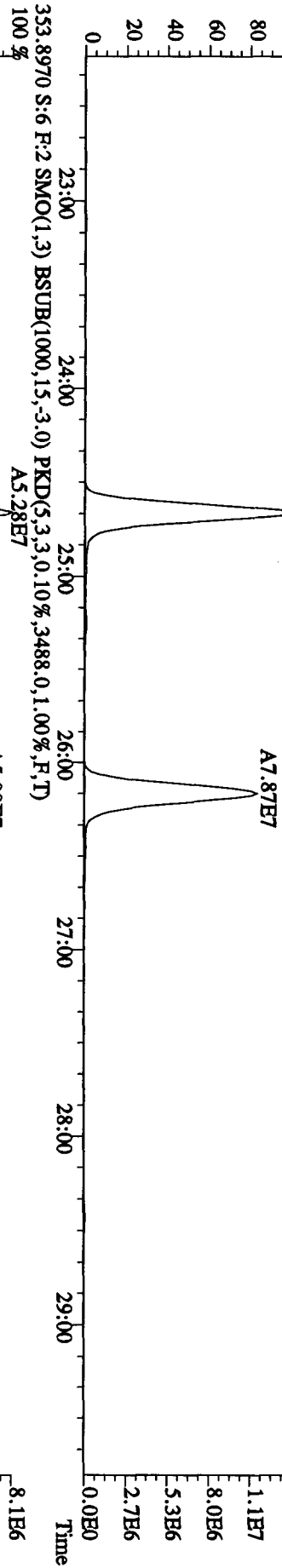
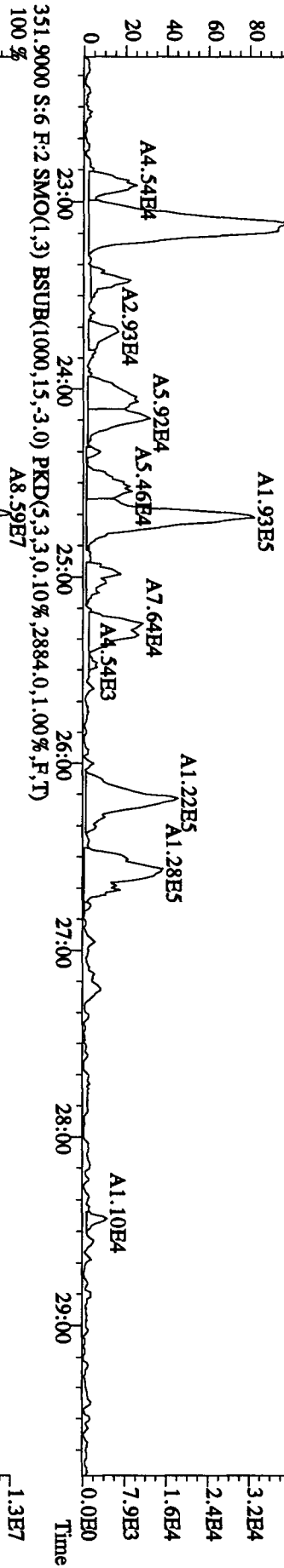
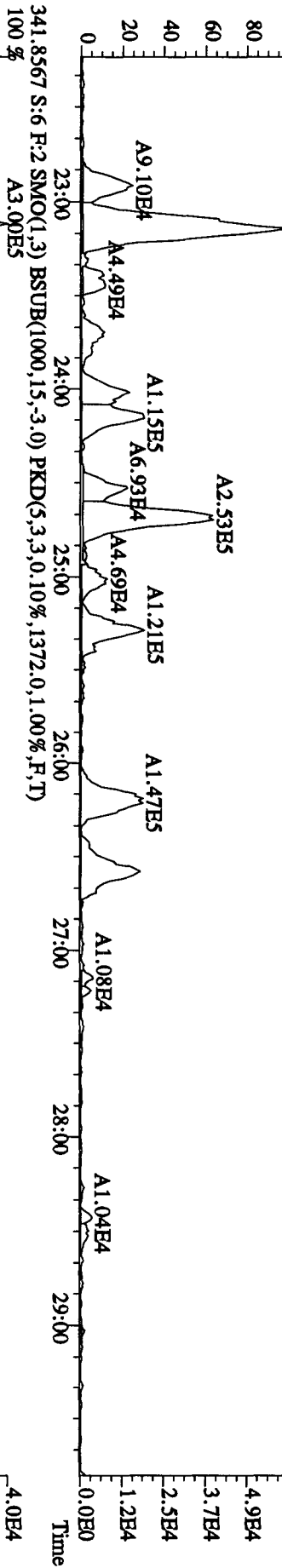
File: 21AP104D5 #1-434 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text: LXM7K-1-AD : GOD080425-18 Exp: DIOXINRES8290A
 319.8965 S: 6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,744.0,1.00%,F,T) 100%



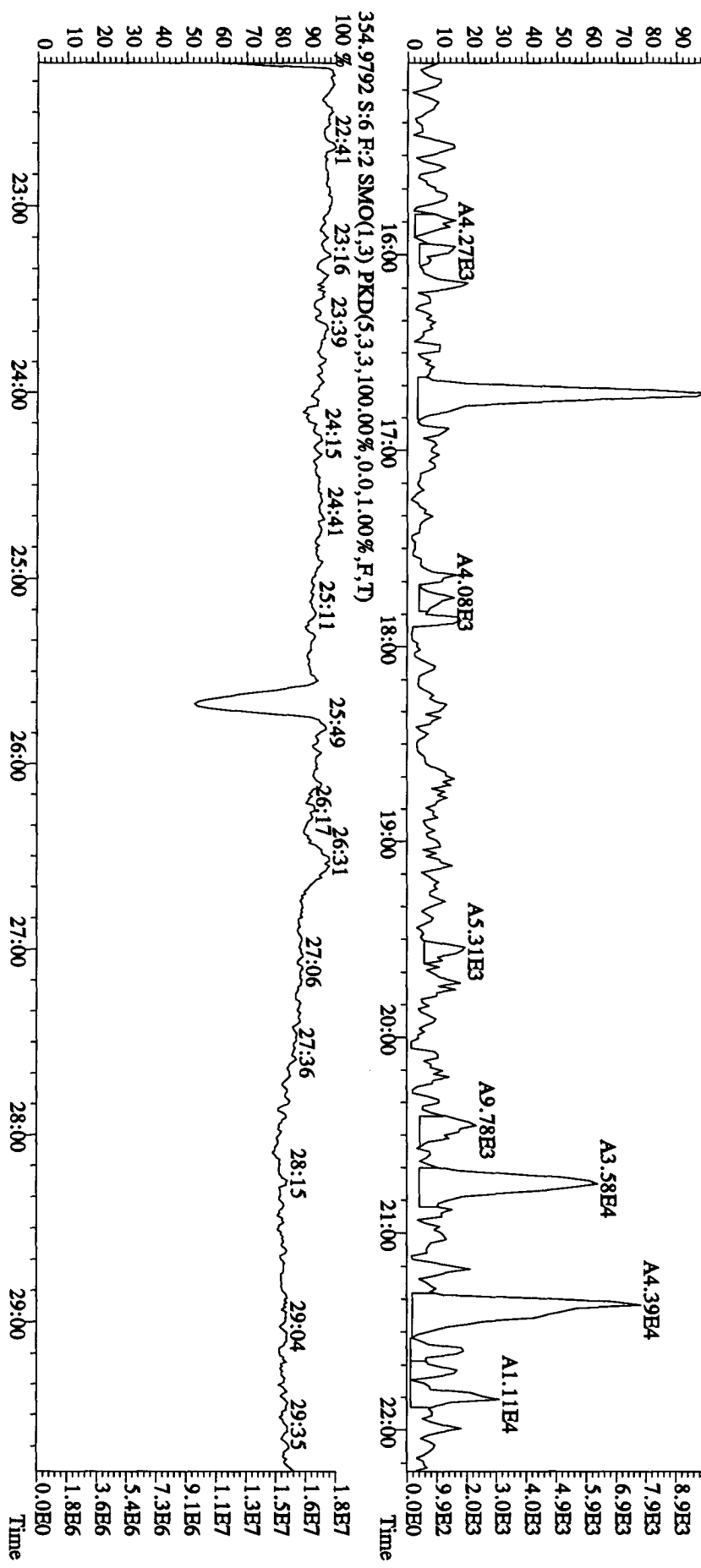
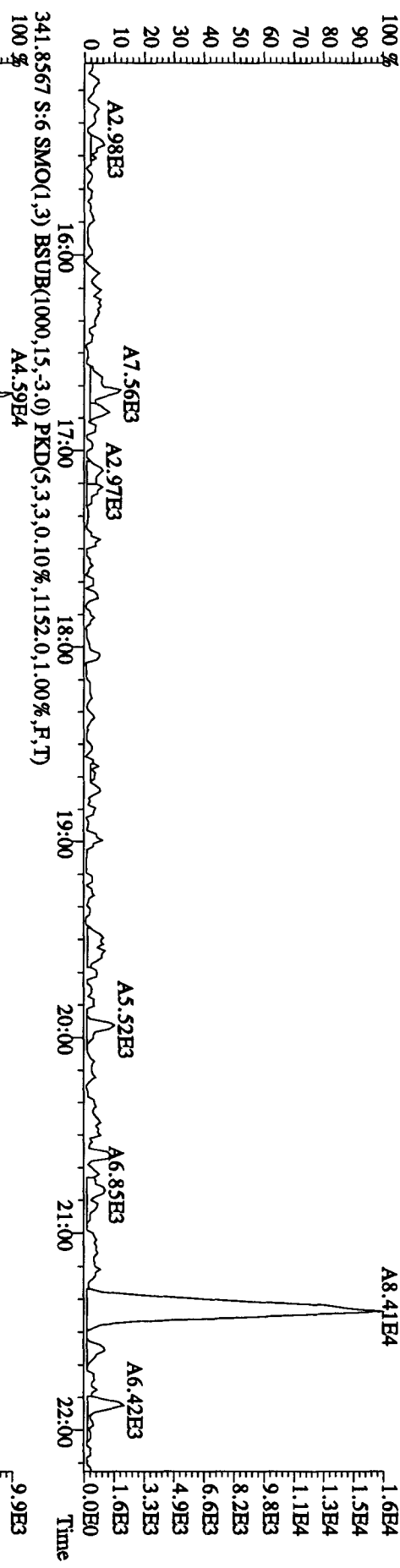
File:21ADP104D5 #1-434 Acq:21-APR-2010 12:02:39 GC EI+ Voltage:STR Autospec-UltimaB
Sample#6 Text:LXM7K-1-AD :G0D080425-18 Exp:DIOXINRES8290A
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3092,0,1,00%,F,T)



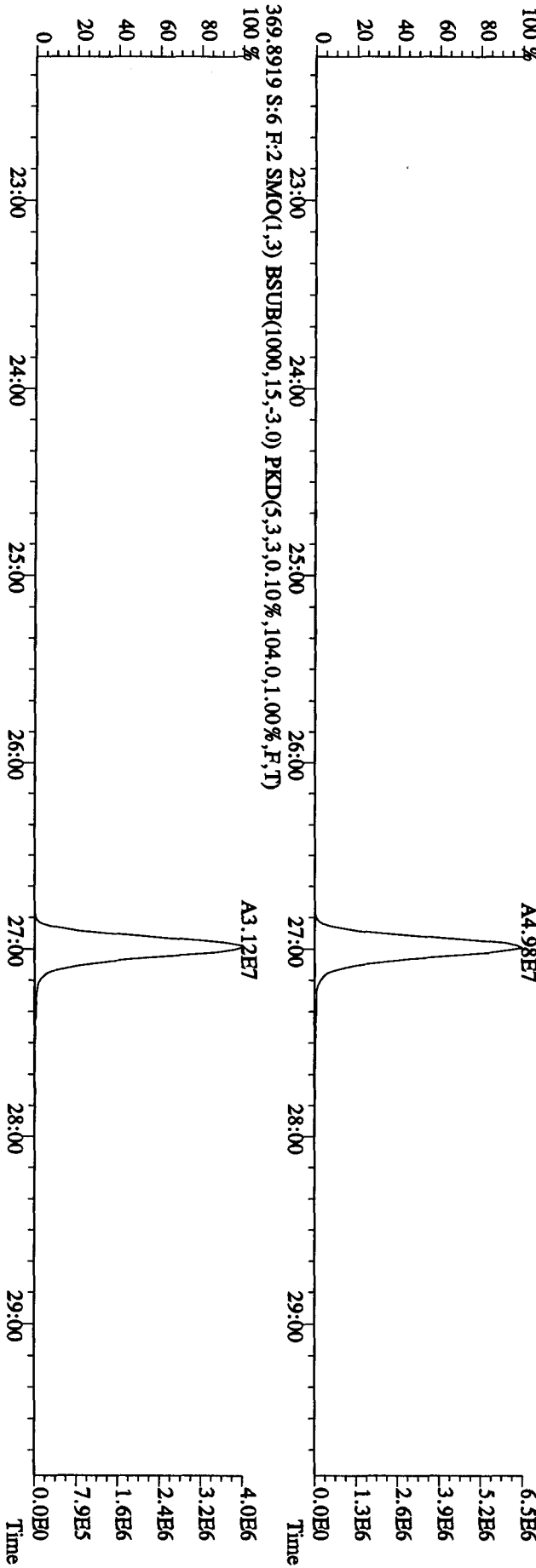
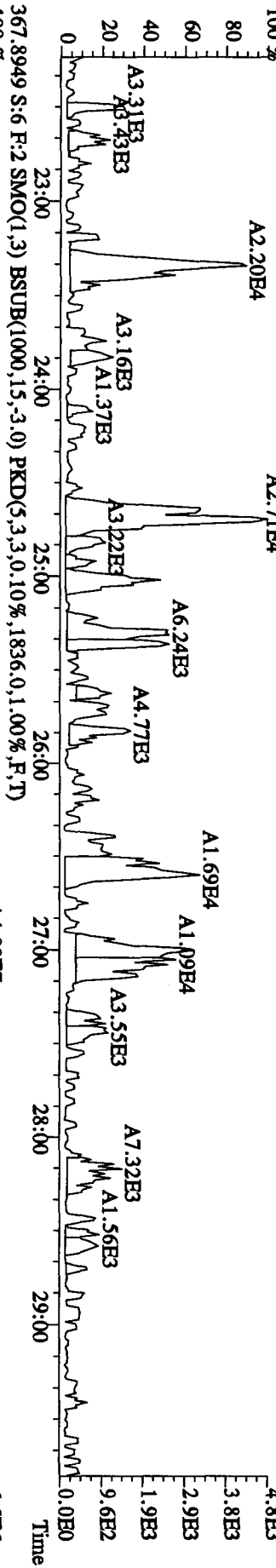
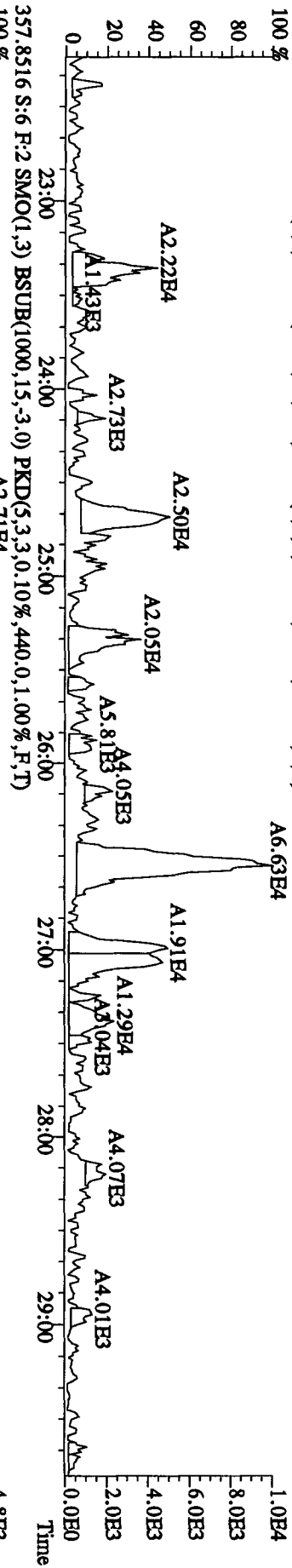
File:21AP104D5 #1-604 Acq:21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:LXN/TK-1-AD :G0D080425-18 Exp:DIOXINRES8290A
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,648,0,1,00%,F,T)



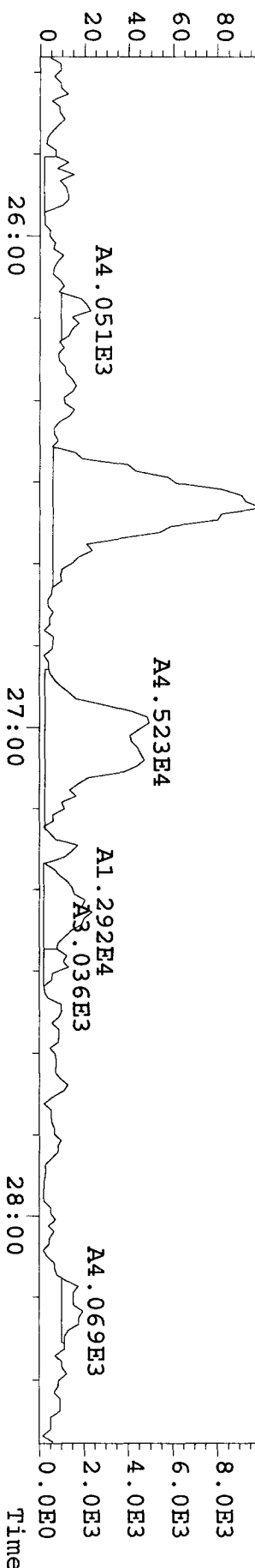
File: 21AP104D5 #1-434 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text: LXM7K-1-AD : GOD080425-18 Exp: DIOXINRES8290A
 339.8597 S: 6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,564.0,1.00%,F,T)



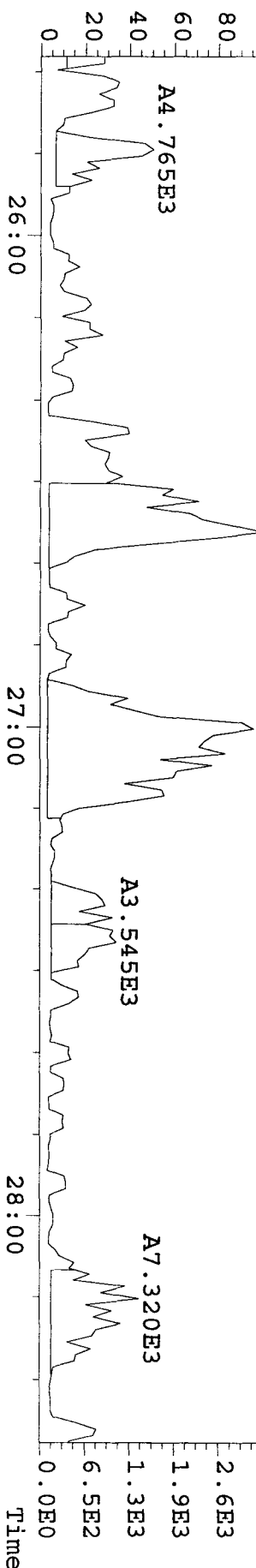
File: 21AP104D5 #1-604 Acq: 21-APR-2010 12:02:39 GC EI + Voltage SIR Autospec-UltimaB
 Sample#6 Text: LXM7K-1-AD :G0D080425-18 Exp:DIOXINRES8290A
 357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440,0,1.00%,F,T)
 100%



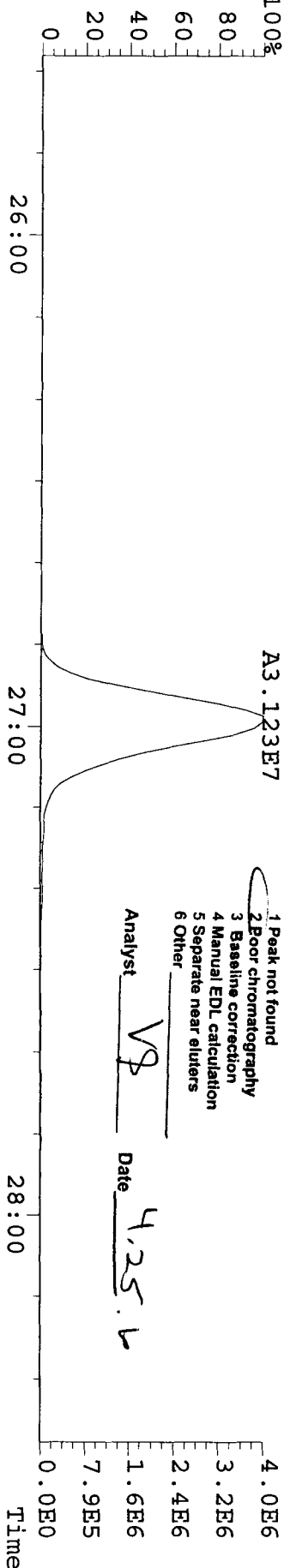
File: 21API04D5 #1-604 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE
 355.8546 S: 6 F: 2 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(5, 3, 3, 0.10%, 816.0, 1.00%, F, T) Exp: DIOXINRES829>
 Sample Text: LXM7K-1-AD : GOD080425-18



File: 21API04D5 #1-604 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE
 357.8516 S: 6 F: 2 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(5, 3, 3, 0.10%, 440.0, 1.00%, F, T) Exp: DIOXINRES829>
 Sample Text: LXM7K-1-AD : GOD080425-18



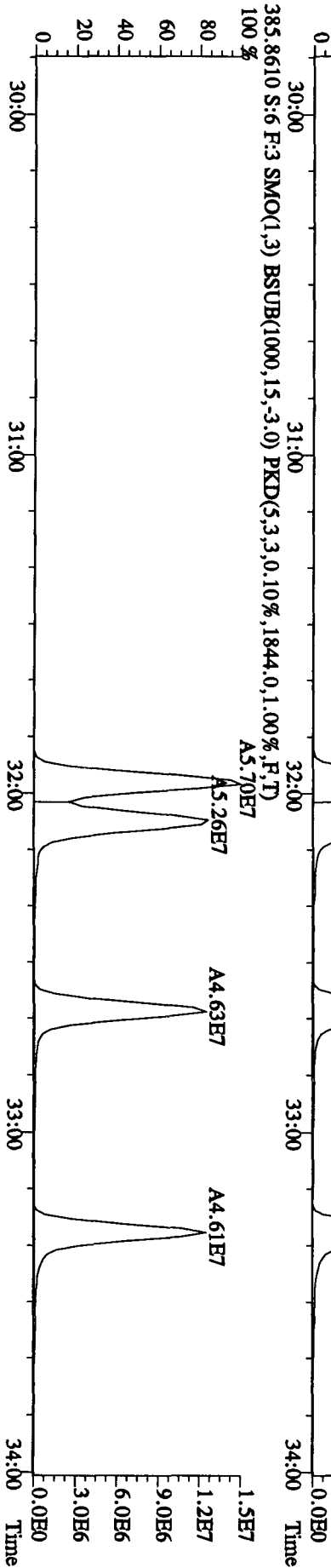
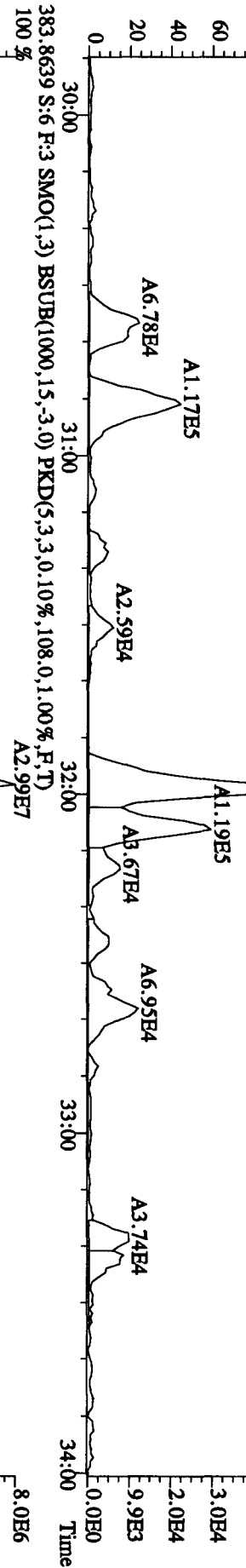
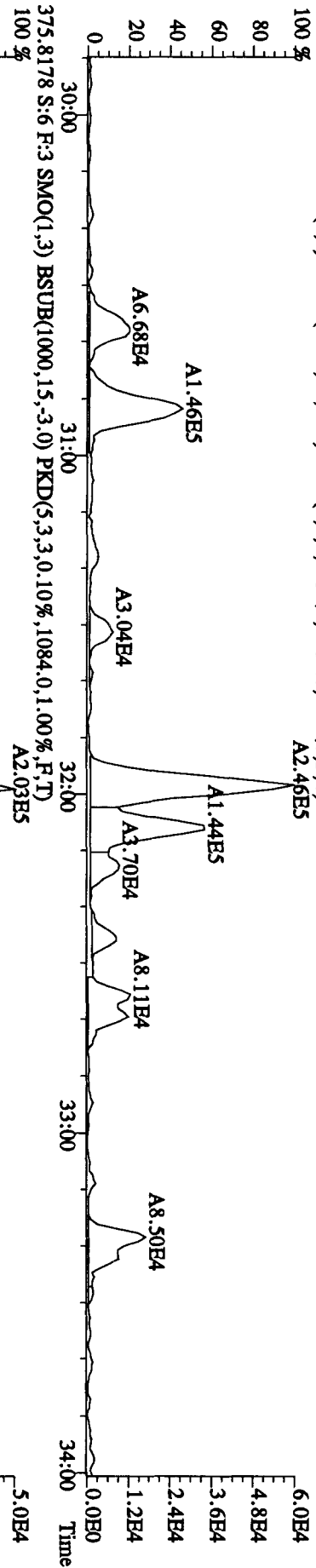
File: 21API04D5 #1-604 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE
 369.8919 S: 6 F: 2 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(5, 3, 3, 0.10%, 1104.0, 1.00%, F, T) Exp: DIOXINRES829>
 Sample Text: LXM7K-1-AD : GOD080425-18



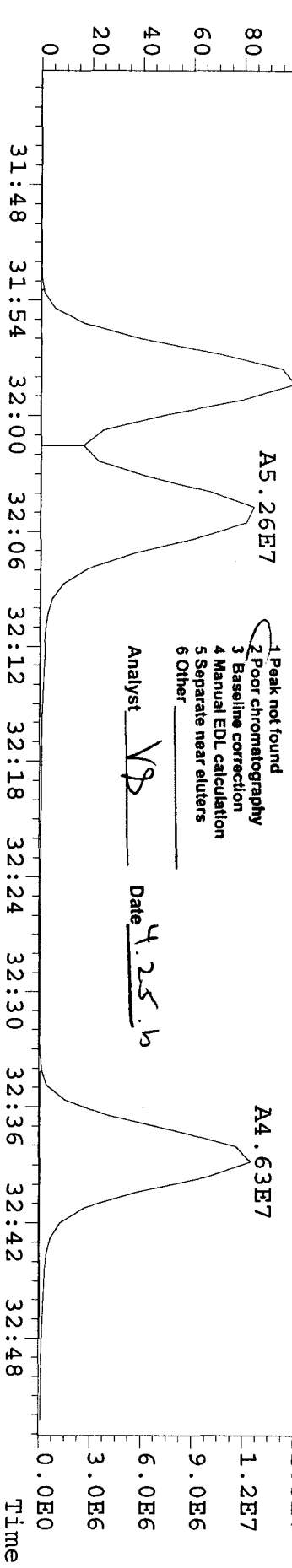
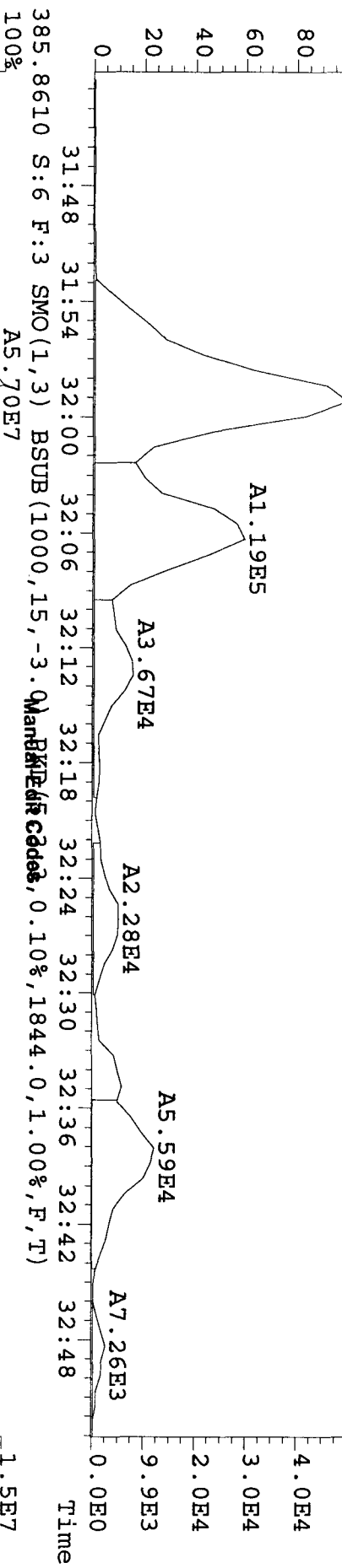
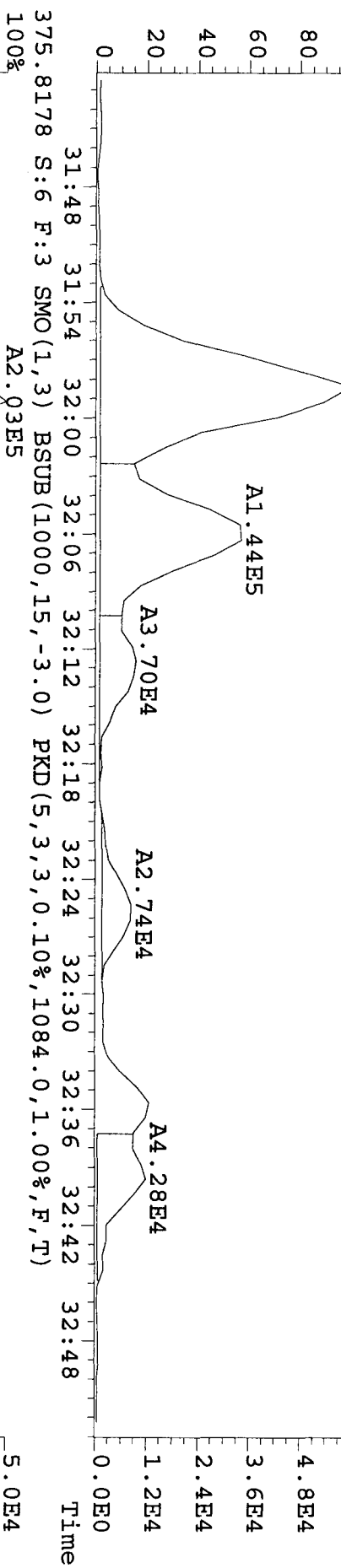
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VJ Date 4.25.11

File:21AP104D5 #1-317 Acq:21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LXM7K-1-AD :G0D080425-18 Exp:DIOXINRES8290A
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1516.0,1.00%,F,T)
 100 % A2.46E5



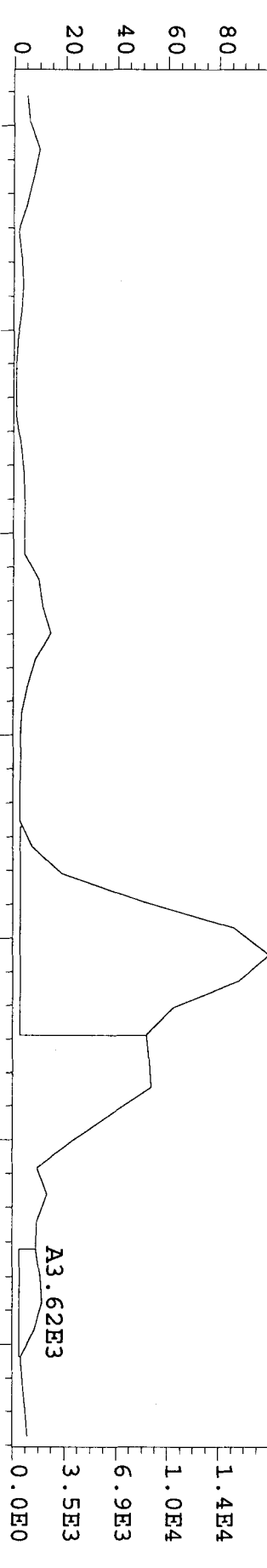
File: 21API104D5 #1-317 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-Ultimate
 Sample# 6 Text: LXM7K-1-AD : GOD080425-18 Exp: DIOXINRES8290A
 373.8208 S: 6 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)
 100% A2.46E5



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

Analyst VP Date 4.25.10

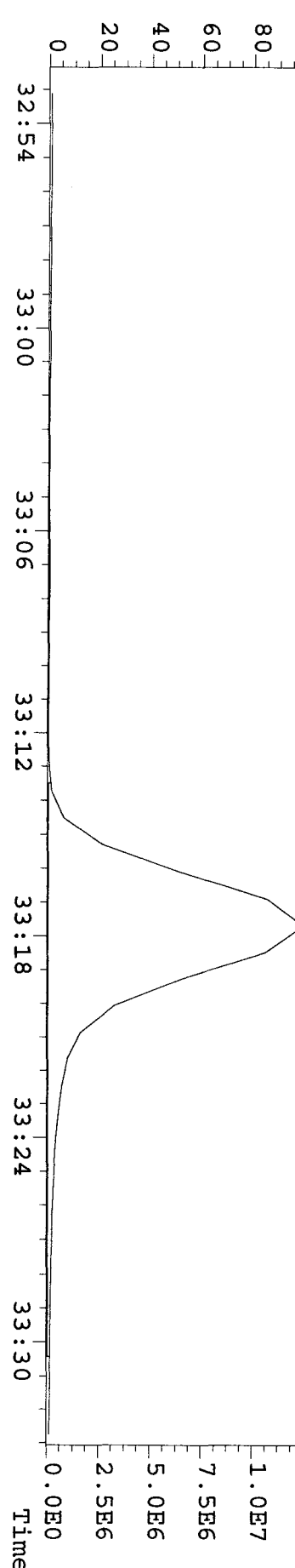
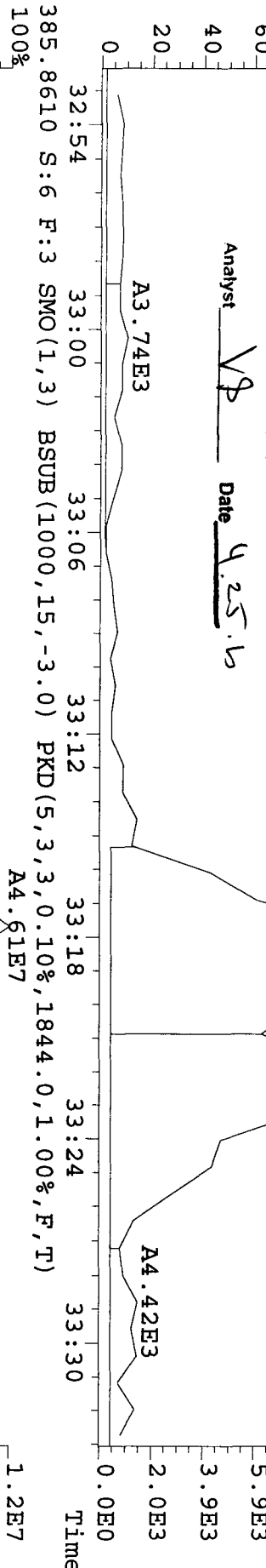
File: 21API04D5 #1-317 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text: LXM7K-1-AD : GODD080425-18 Exp: DIOXINRES8290A
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1516.0,1.00%,F,T)
 100%



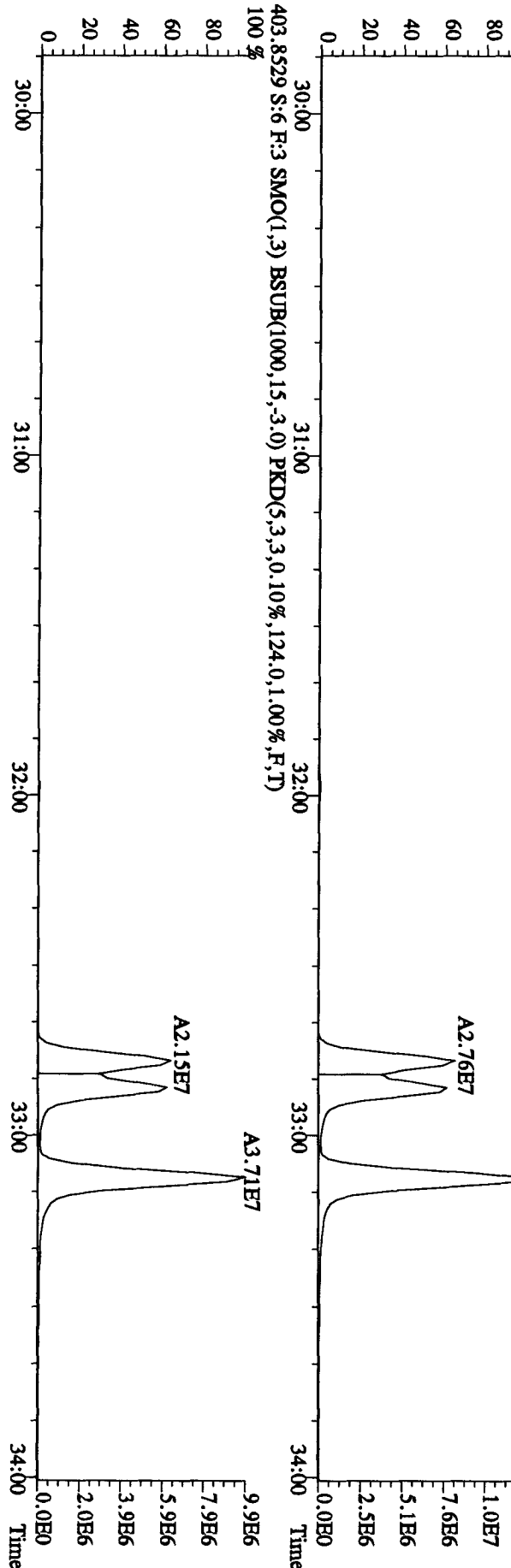
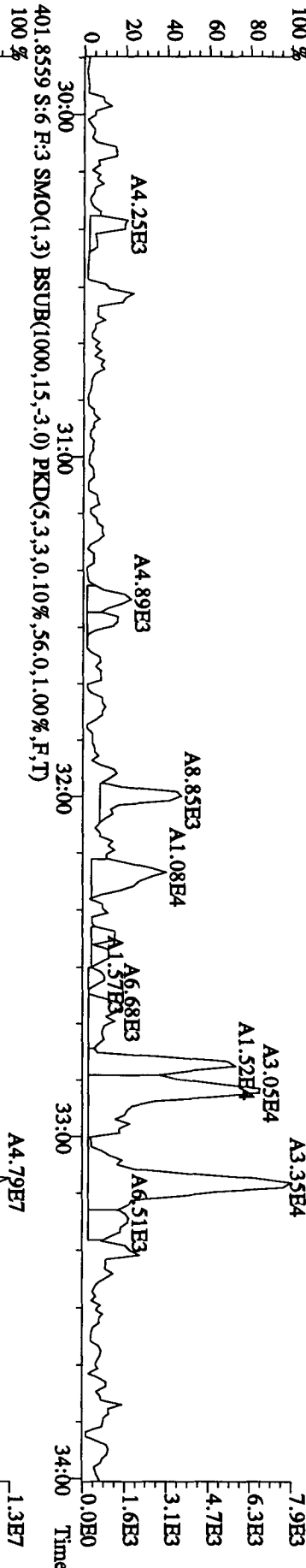
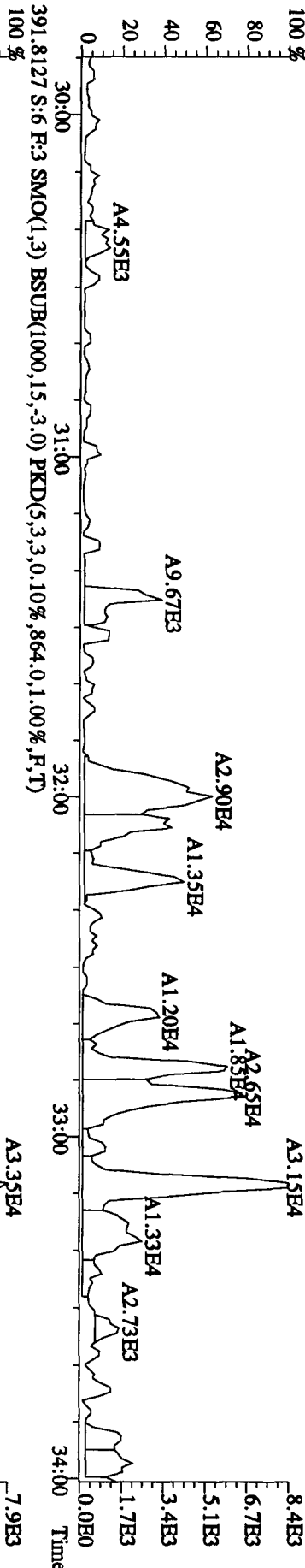
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)
 100%

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

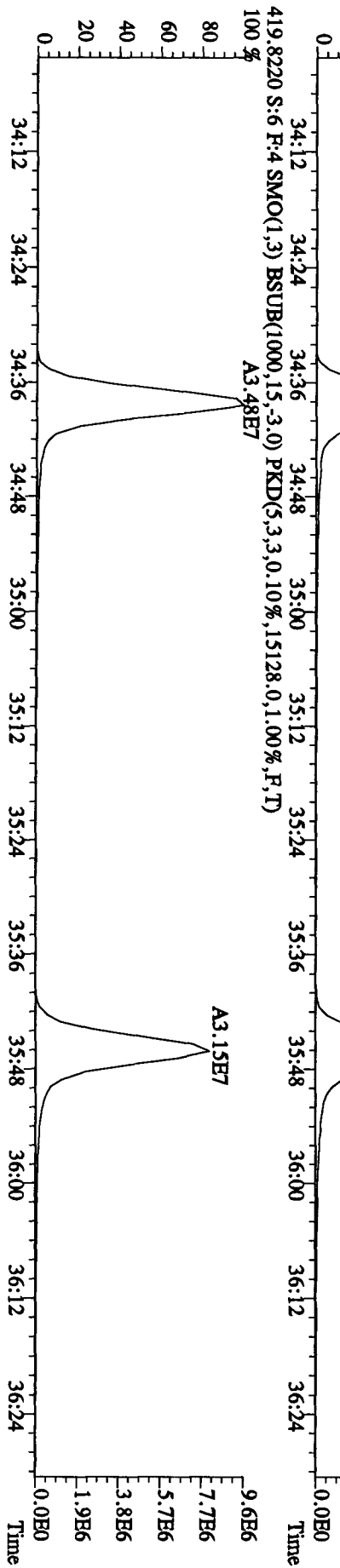
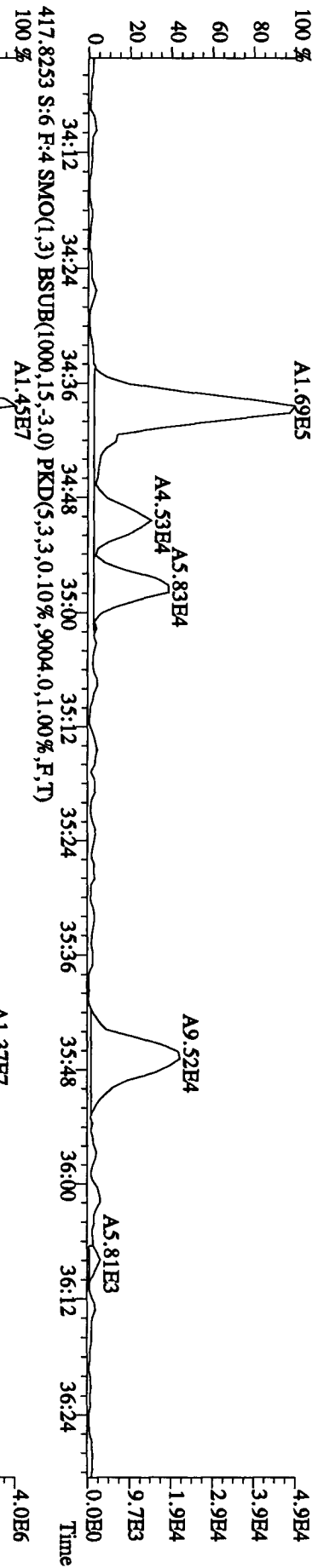
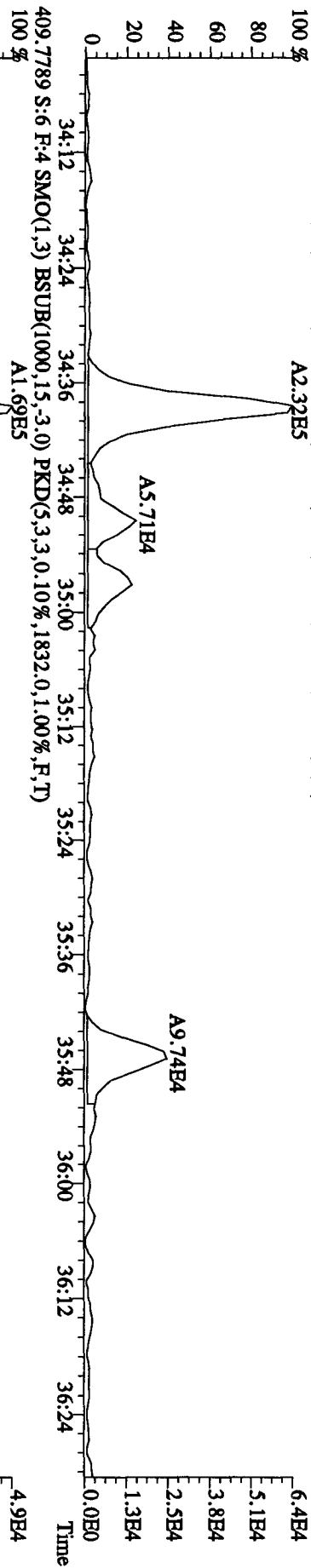
Analyst VP Date 4.25.10



File:21AP104D5 #1-317 Acq:21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LXMTK-1-AD :GDD080425-18 Exp:DIOXINRES8290A
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,580.0,1.00%,F,T)



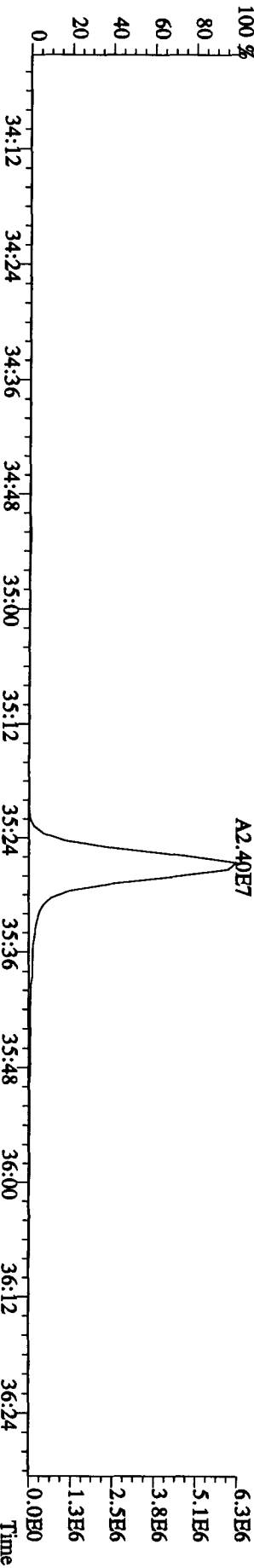
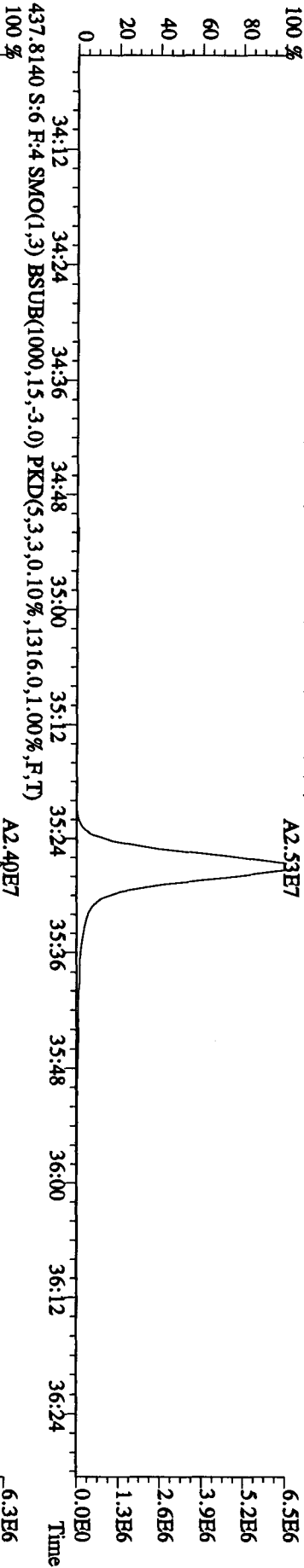
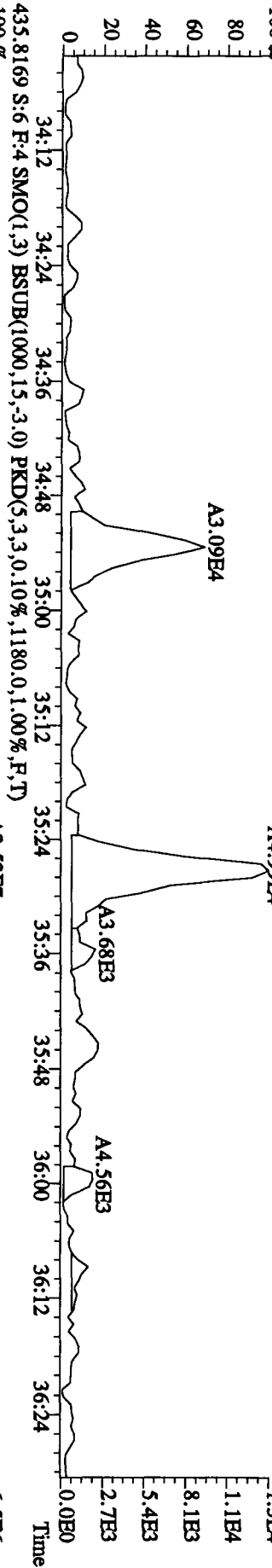
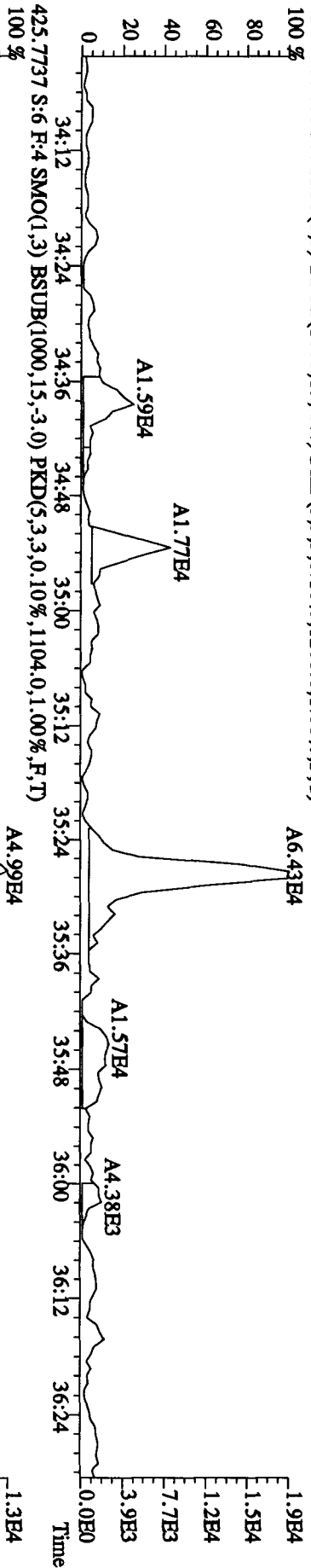
File: 21AP104D5 #1-198 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text: LXM7K-1-AD :G0D080425-18 Exp: DIOXINRES8290A
 407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2360,0,1,00%,F,T)
 100%



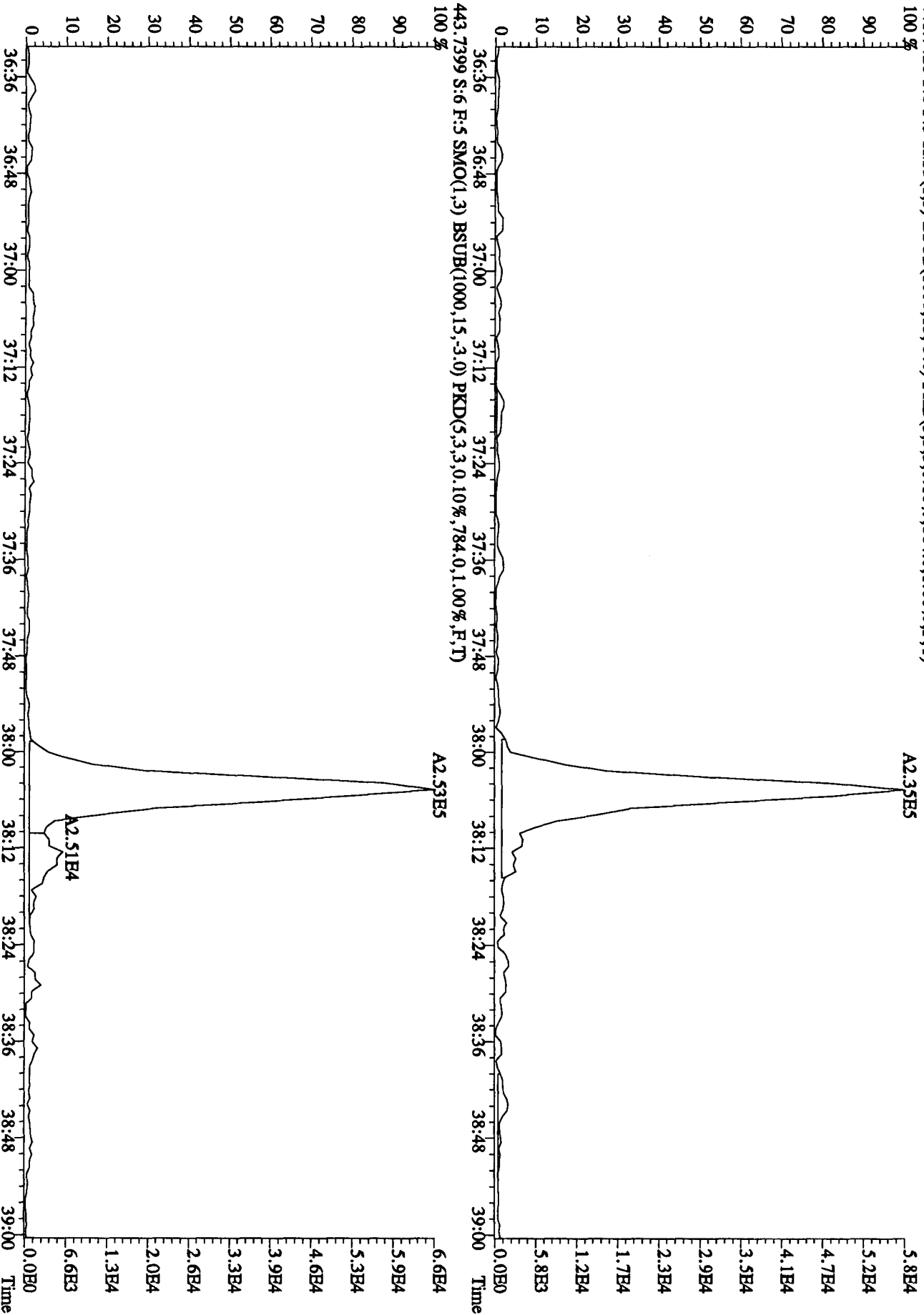
File: 21AP104D5 #1-198 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaB

Sample# 6 Text: LXM7K-1-AD : GOD080425-18 Exp: DIOXINRES8290A

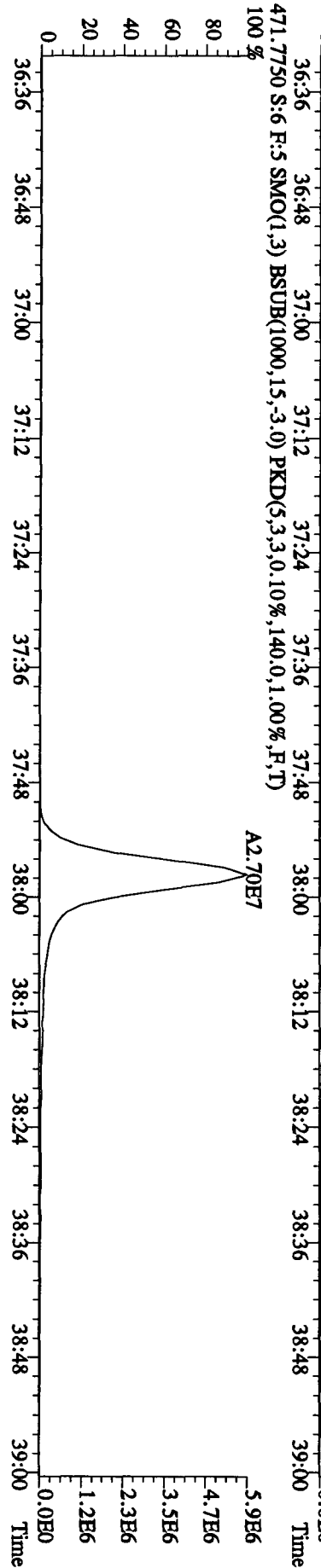
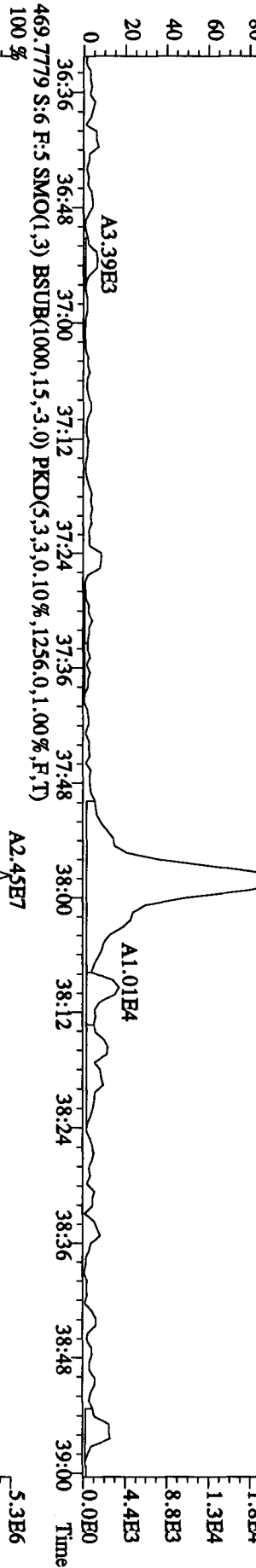
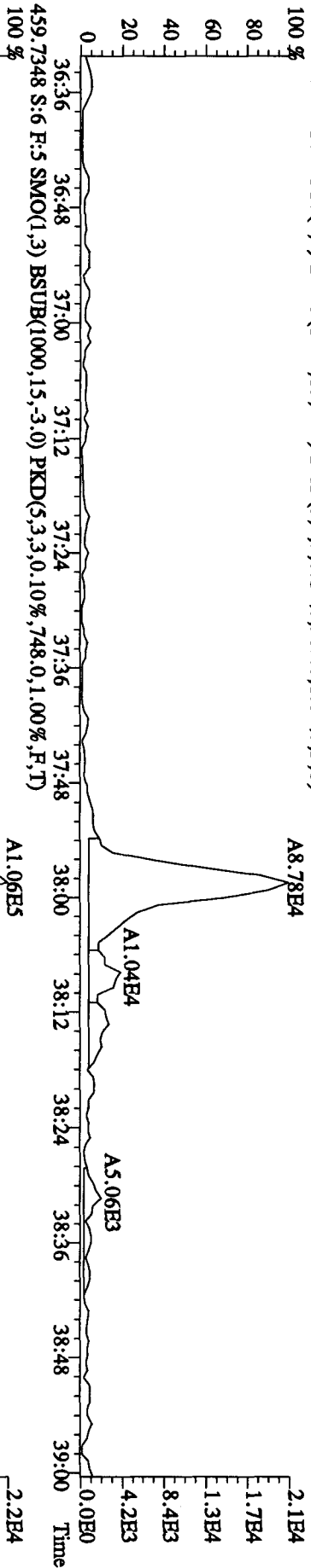
423.7766 S: 6 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1288.0,1.00%,F,T)



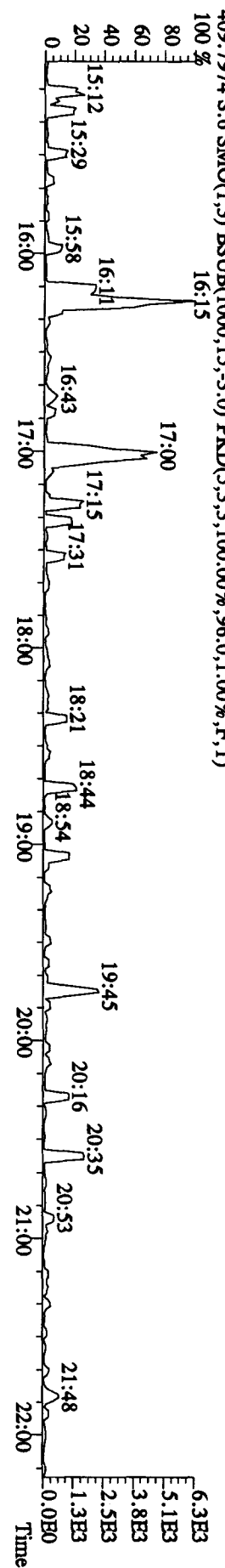
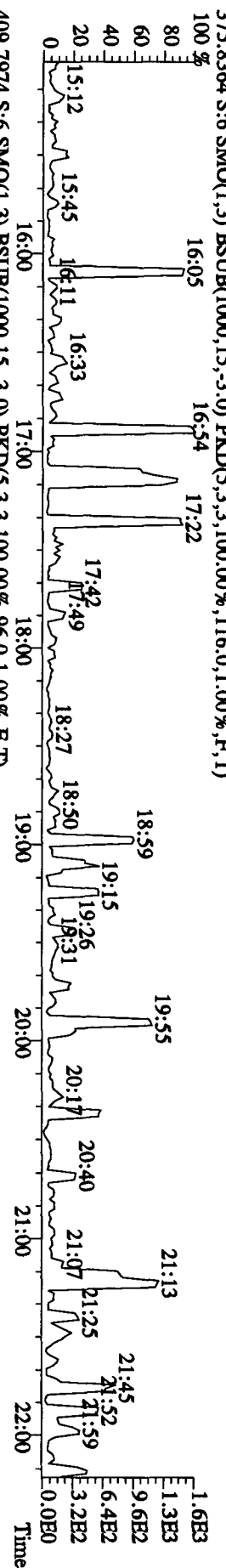
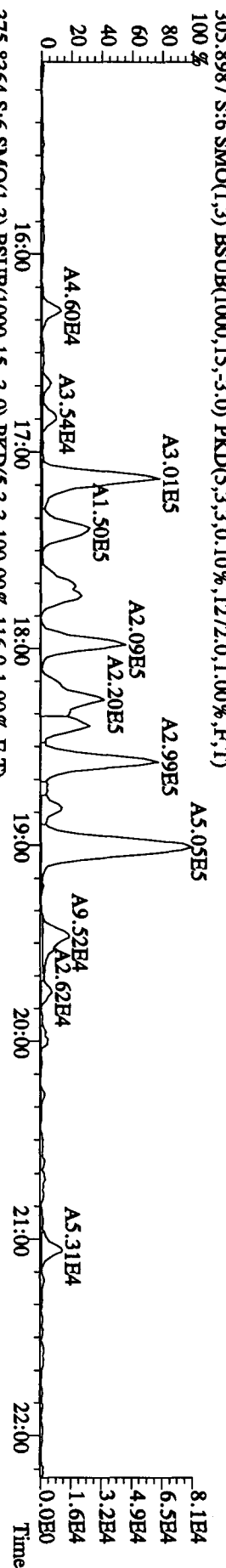
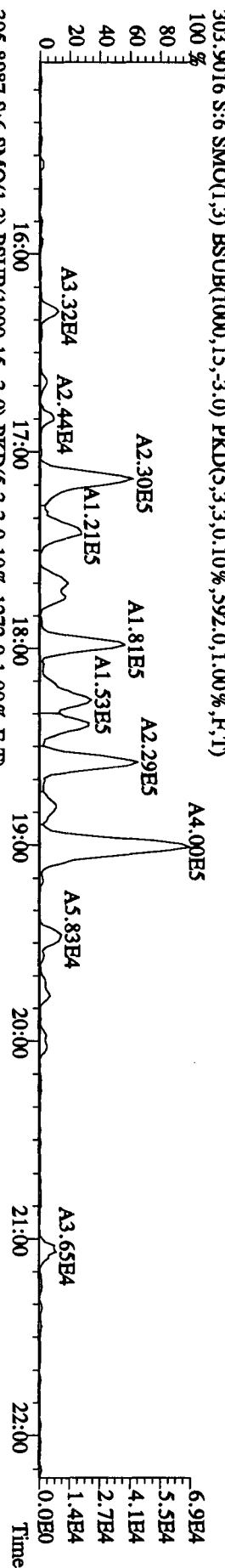
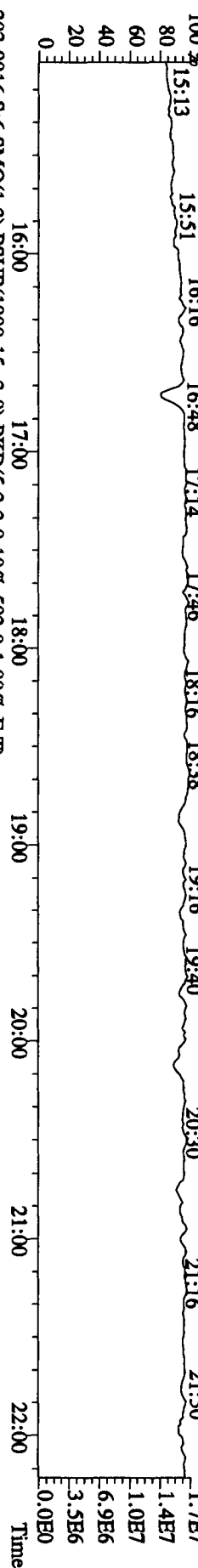
File: 21AP104D5 #1-190 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text: LXM7K-1-AD : GOD080425-18 Exp: DIOXINRES8290A
 441.7428 S: 6 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864,0.1,0.0%,F,T)
 100%

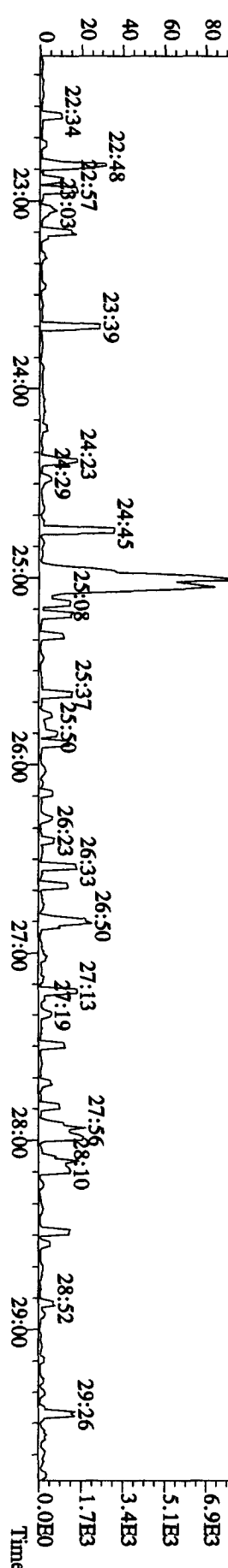
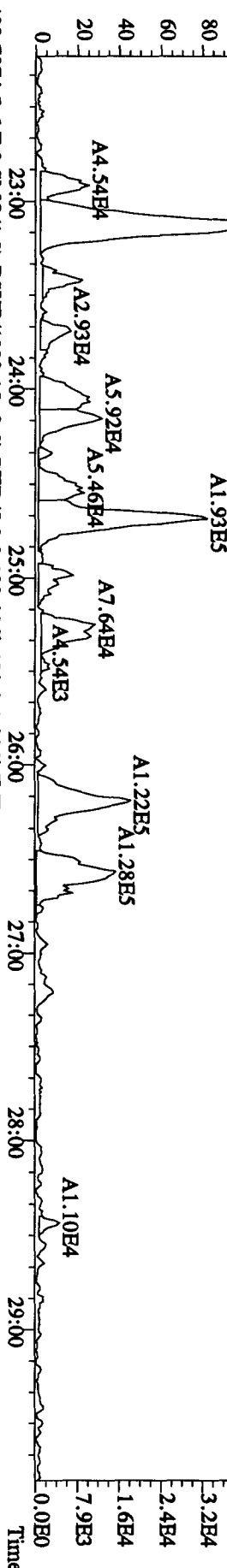
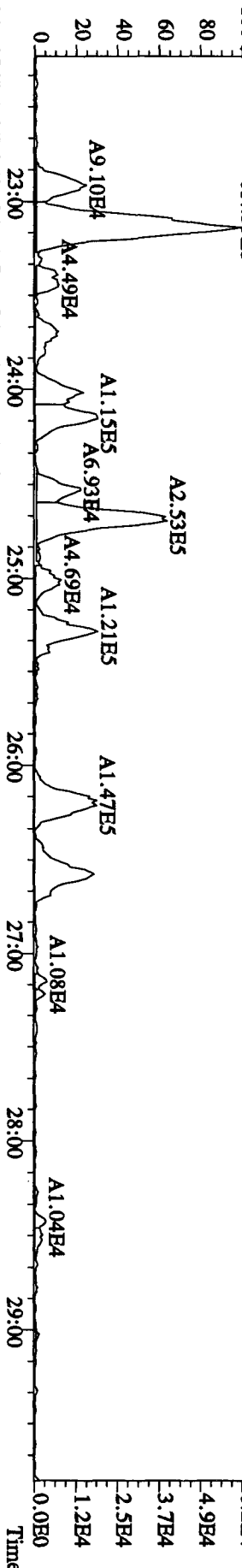
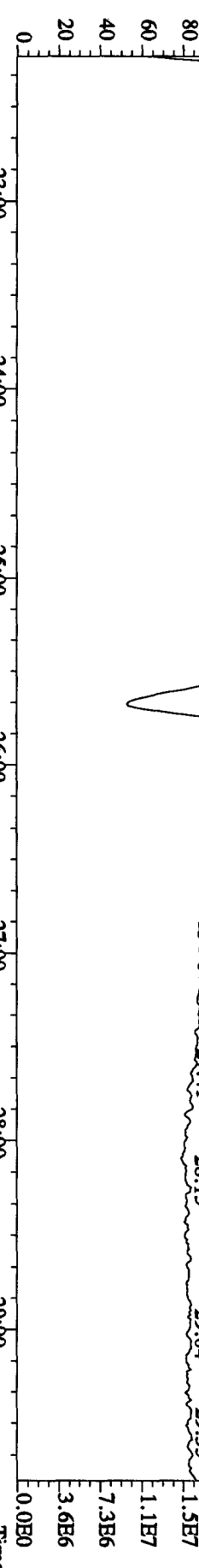


File:21AP104D5 #1-190 Acq:21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LXM7K-1-AD :G0D080425-18 Exp:DIOXINRES8290A
 457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,988,0.1,0.0%,F,T) 100 %

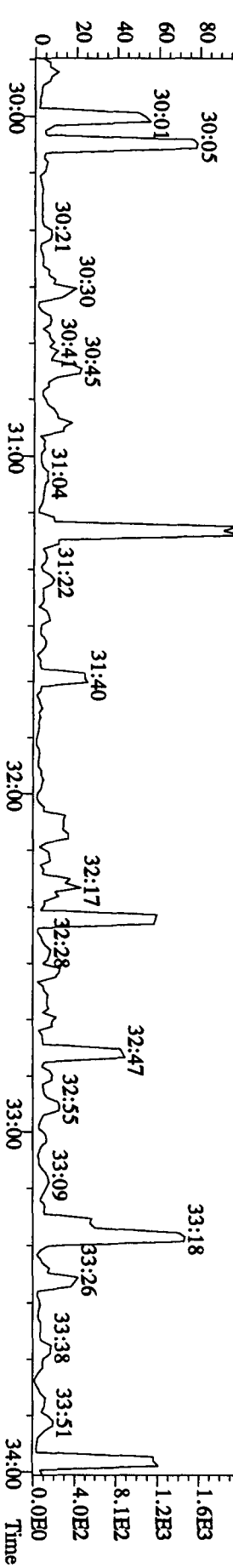
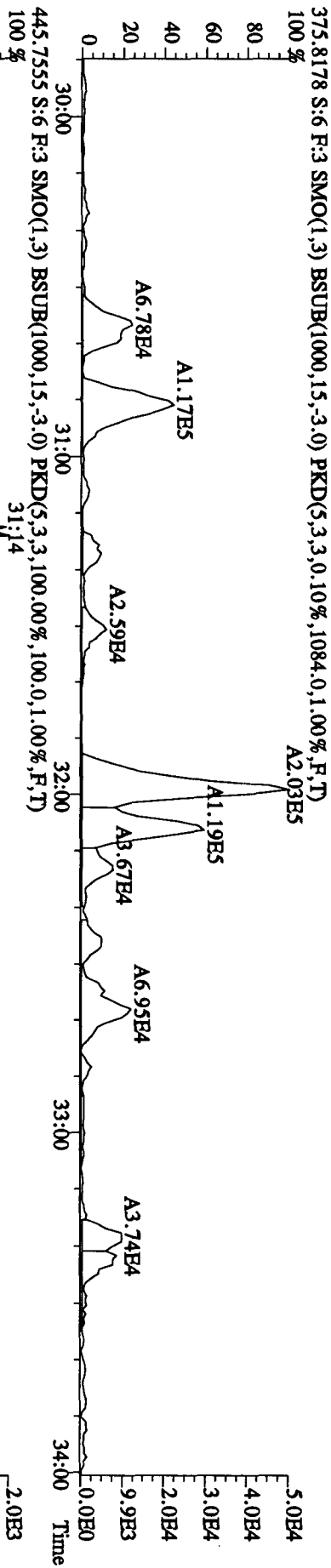
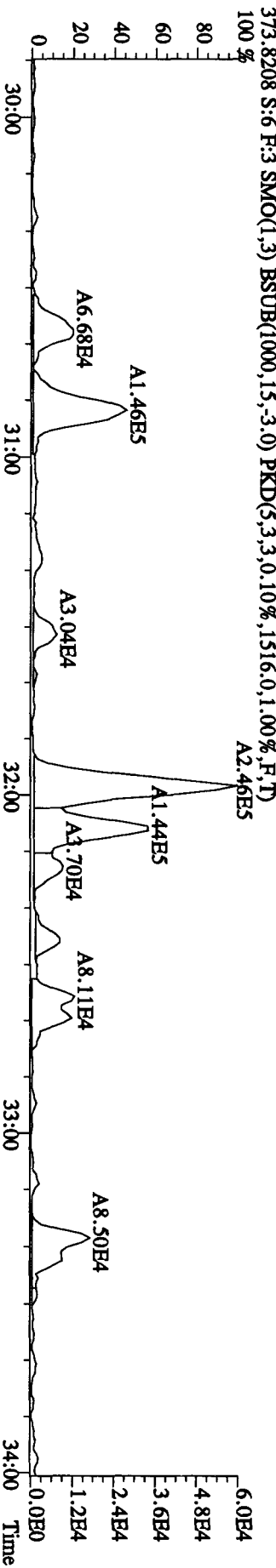
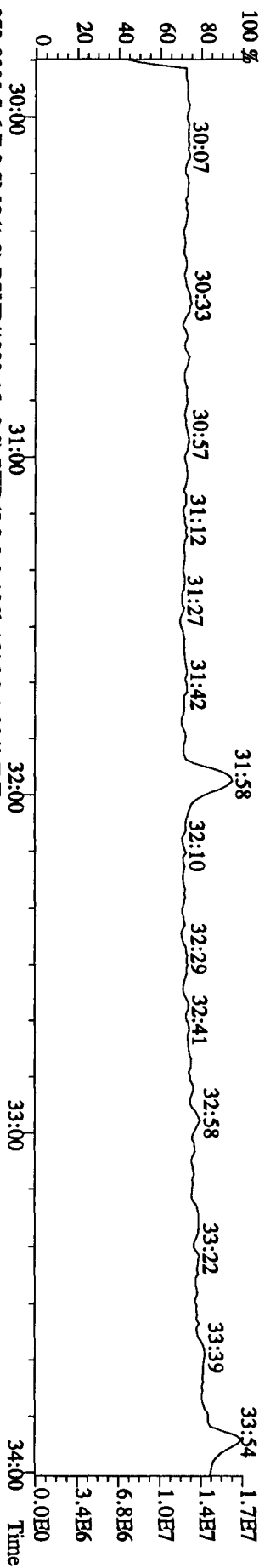


File:21AP104D5 #1-434 Acq:21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltraB
 Sample#6 Text:LXMTK-1-AD :G0D080425-18 Exp:DIOXINRES8290A

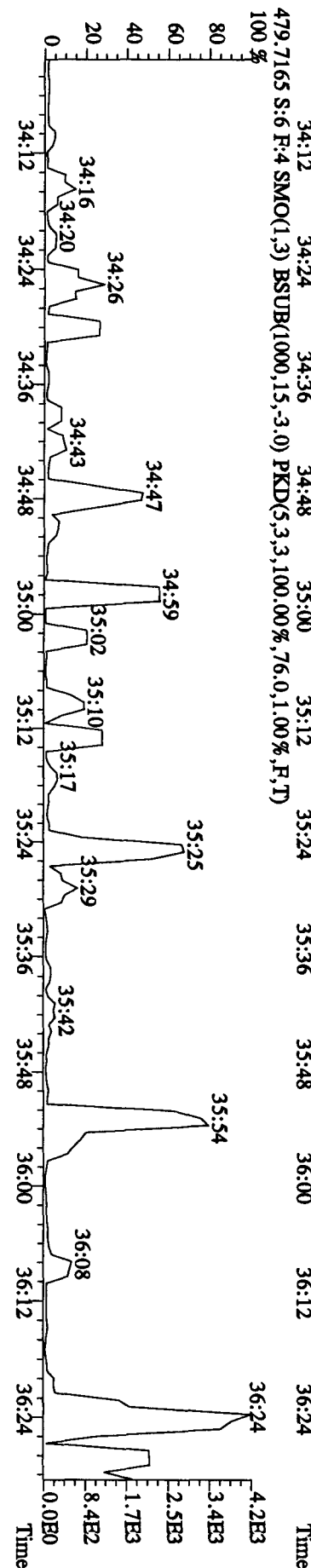
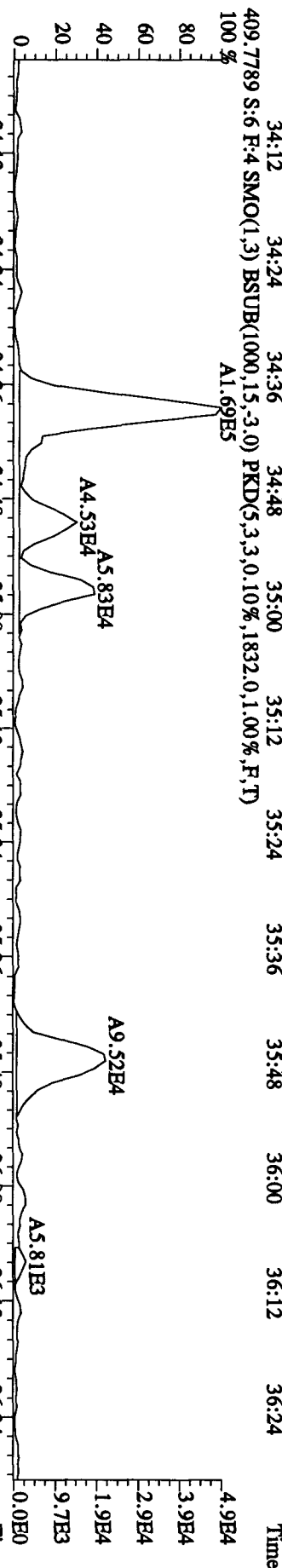
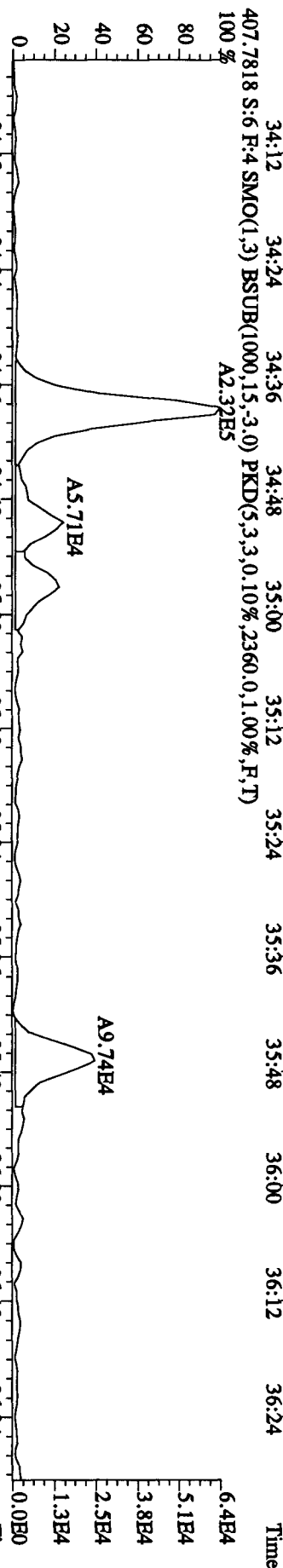
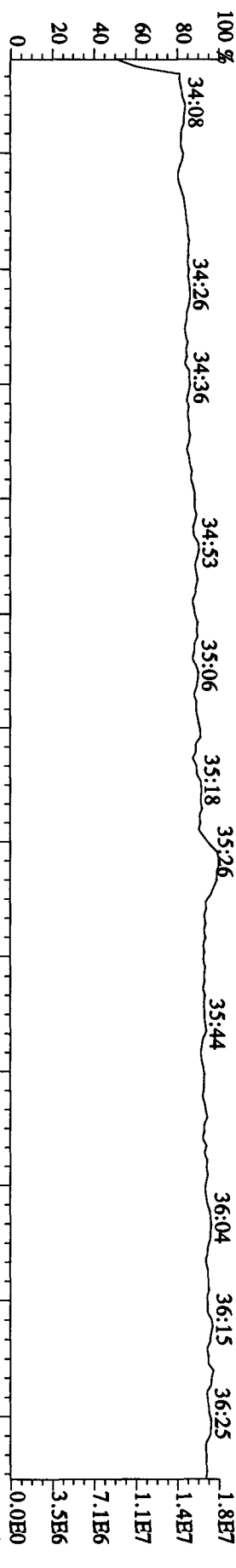




File: 21AP104D5 #1-317 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage S1R Autospec-Ultimate
 Sample#6 Text: LXM7K-1-AD :G0D080425-18 Exp: DIOXINRES8290A
 430.9728 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



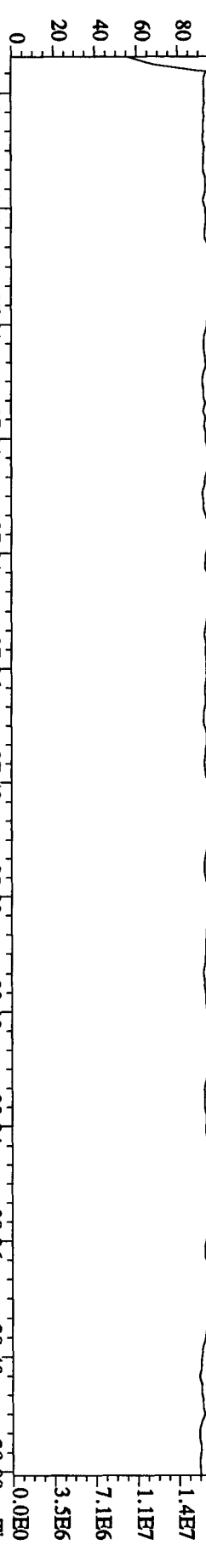
File:21AP104D5 #1-198 Acq:21-APR-2010 12:02:39 GC EI+ Voltage:519 Autospec-Ultimate
 Sample#6 Text:LXMTK-1-AD :G0D080425-18 Exp:DIOXINRES8290A
 430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 21AP104D5 #1-190 Acq: 21-APR-2010 12:02:39 GC EI+ Voltage SIR Autospec-UltimaE

Sample#6 Text: LXM7K-1-AD : GODD080425-18 Exp: DIOXINRES8290A

442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



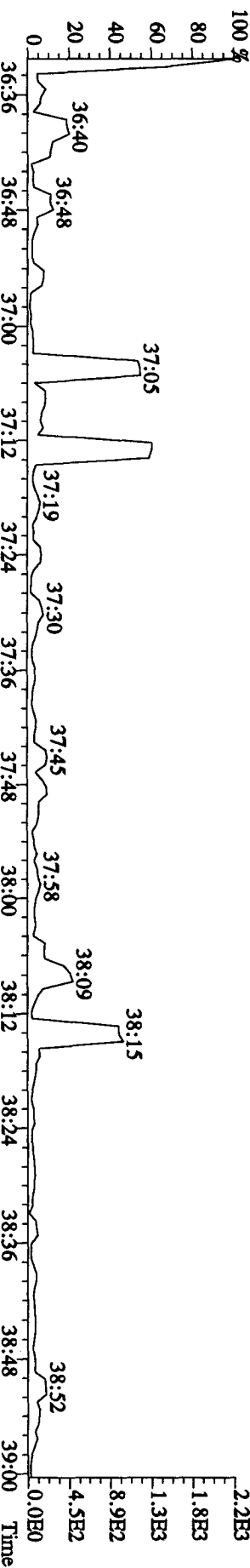
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,784.0,1.00%,F,T)



513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)



Vs 4. 25.5

Run text: LXM7T-1-AC Sample text: LXM7T-1-AC :G0D080425-22
 Run #11 Filename: 21AP104D5 S: 7 I: 1 Results: 21ap104d58290avg
 Acquired: 21-APR-10 12:46:41 Processed: 21-APR-10 16:58:11
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.07 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	178445300	0.80 y	19:34	-	13.320	-	-	n
13C-2,3,7,8-TCDF	221836700	0.80 y	18:59	1.52	162.358	0.081	81.7	n
2,3,7,8-TCDF	119756	1.01 n	19:01	0.95	0.113	0.027	-	n
Total TCDF	426496	1.30 n	16:49	0.95	0.404	0.027	-	n
13C-2,3,7,8-TCDD	155378900	0.79 y	19:46	0.95	182.099	0.112	91.7	n
2,3,7,8-TCDD	18459	0.12 n	19:48	1.02	0.023	0.033	-	n
Total TCDD	29019	0.12 n	19:48	1.02	0.036	0.033	-	n
37Cl-2,3,7,8-TCDD	146052400	1.00 y	19:47	2.26	71.886	0.002	90.5	n
13C-1,2,3,7,8-PeCDF	132191500	1.60 y	24:40	1.05	140.080	0.082	70.5	n
1,2,3,7,8-PeCDF	76847	1.73 y	24:42	1.04	0.111	0.033	-	n
2,3,4,7,8-PeCDF	49955	1.33 y	26:10	0.98	0.076	0.035	-	y
Total F2 PeCDF	361718	2.43 n	23:09	1.01	0.575	0.034	-	y
Total F1 PeCDF	46869	0.32 n	15:53	1.01	0.069	0.042	-	n
13C-1,2,3,7,8-PeCDD	76020900	1.58 y	27:00	0.67	126.197	0.006	63.5	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.98	*	0.063	-	n
Total PeCDD	46535	0.65 n	22:51	0.98	0.124	0.063	-	n
13C-1,2,3,7,8,9-HxCDD	76992800	1.27 y	33:07	-	7.441	-	-	n
13C-1,2,3,4,7,8-HxCDF	80148400	0.51 y	31:58	1.02	201.734	0.023	101.6	n
1,2,3,4,7,8-HxCDF	41356	2.61 n	31:58	1.21	0.085	0.027	-	n
1,2,3,6,7,8-HxCDF	35310	0.78 n	32:08	1.34	0.065	0.025	-	n
2,3,4,6,7,8-HxCDF	18152	1.77 n	32:40	1.22	0.037	0.027	-	y
1,2,3,7,8,9-HxCDF	12803	1.22 y	33:18	1.09	0.029	0.030	-	y
Total HxCDF	229896	1.91 n	30:37	1.22	0.464	0.027	-	y
13C-1,2,3,6,7,8-HxCDD	55844800	1.28 y	32:52	0.81	178.494	0.066	89.9	n
1,2,3,4,7,8-HxCDD	22129	1.21 y	32:52	1.01	0.070	0.054	-	n
1,2,3,6,7,8-HxCDD	22129	1.21 y	32:52	1.11	0.071	0.049	-	n
1,2,3,7,8,9-HxCDD	32591	1.14 y	33:08	1.21	0.096	0.045	-	n
Total HxCDD	89273	3.47 n	31:58	1.11	0.277	0.049	-	n
13C-1,2,3,4,6,7,8-HpCDF	51852400	0.42 y	34:38	0.86	155.065	0.704	78.1	n
1,2,3,4,6,7,8-HpCDF	66575	1.57 n	34:38	1.31	0.195	0.096	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.03	*	0.122	-	n
Total HpCDF	78390	1.57 n	34:38	1.17	0.233	0.107	-	n
13C-1,2,3,4,6,7,8-HpCDD	50984200	1.03 y	35:27	0.70	188.558	0.182	94.9	n
1,2,3,4,6,7,8-HpCDD	36212	0.95 y	35:28	1.07	0.132	0.108	-	n
Total HpCDD	82939	0.84 n	34:54	1.07	0.301	0.108	-	n
13C-OCDD	53238500	0.90 y	37:58	0.53	258.443	0.024	65.1	n
OCDF	86159	0.78 y	38:04	1.45	0.445	0.065	-	n

OCDD

102479 1.10 n 37:58 1.17

0.656 JQR

0.131

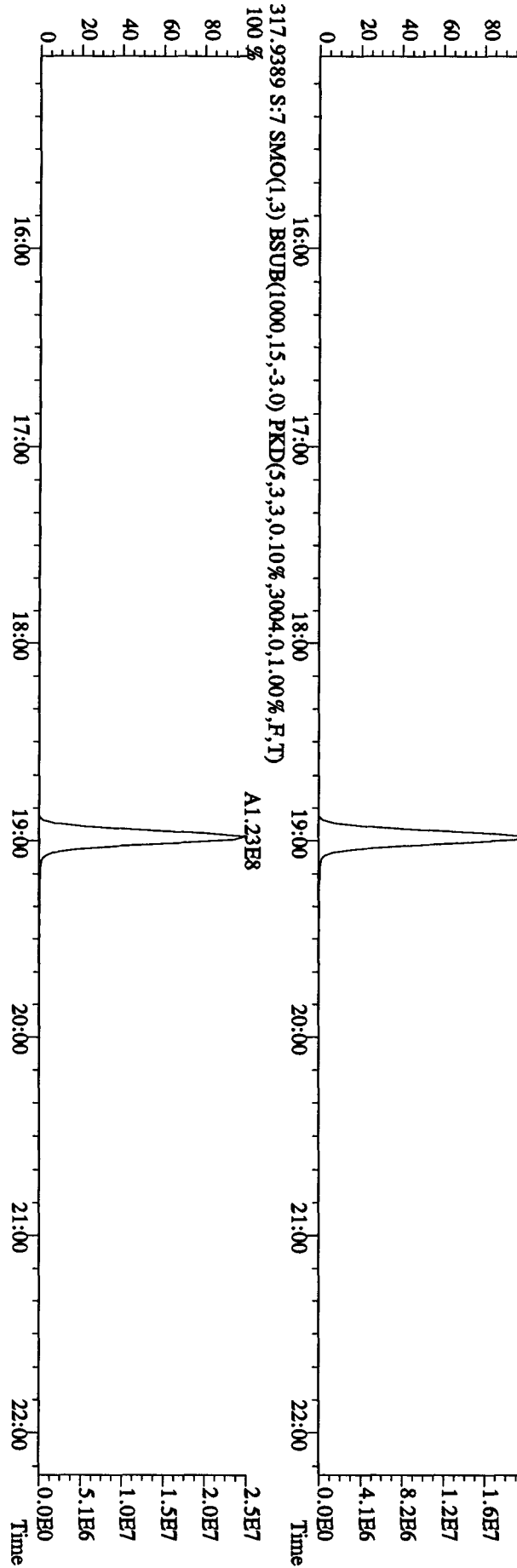
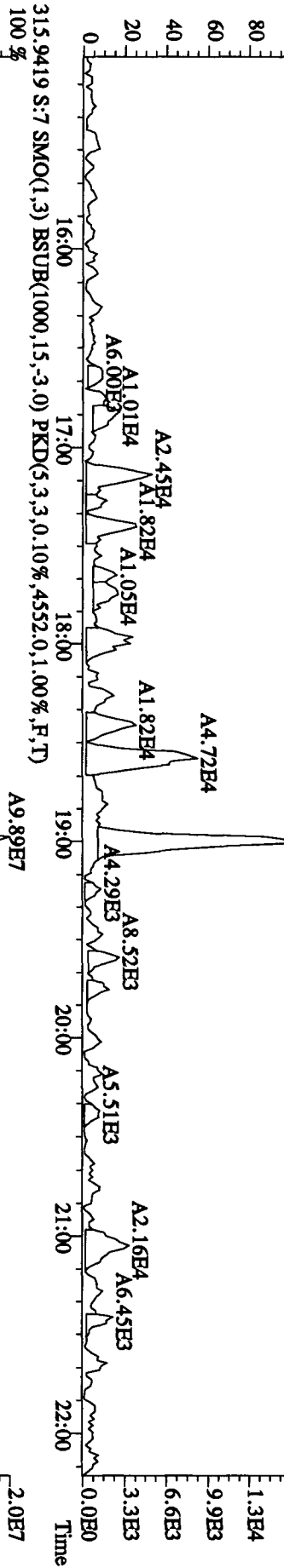
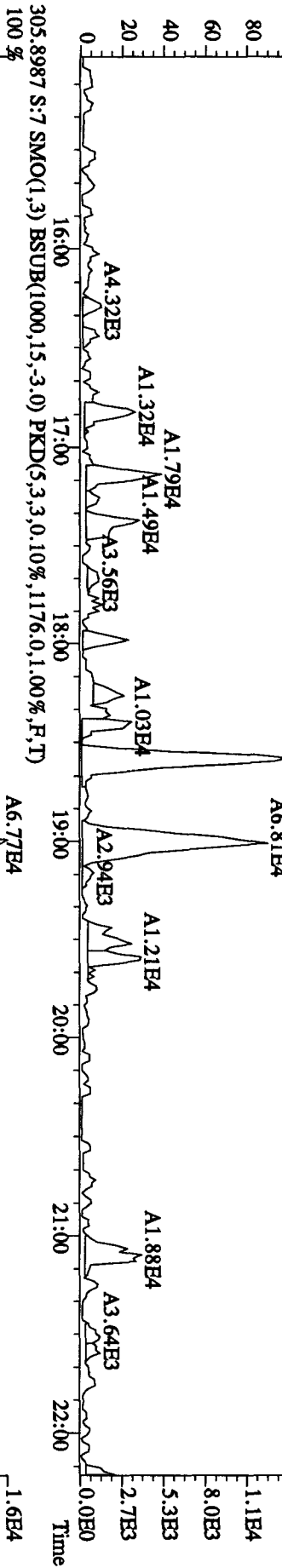
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Run text: LXM7T-1-AC Sample text: LXM7T-1-AC :G0D080425-22
 Run #11 Filename: 21AP104D5 S: 7 I: 1 Results: 21AP104D58290A
 Acquired: 21-APR-10 12:46:41 Processed: 21-APR-10 16:58:11
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.07 g

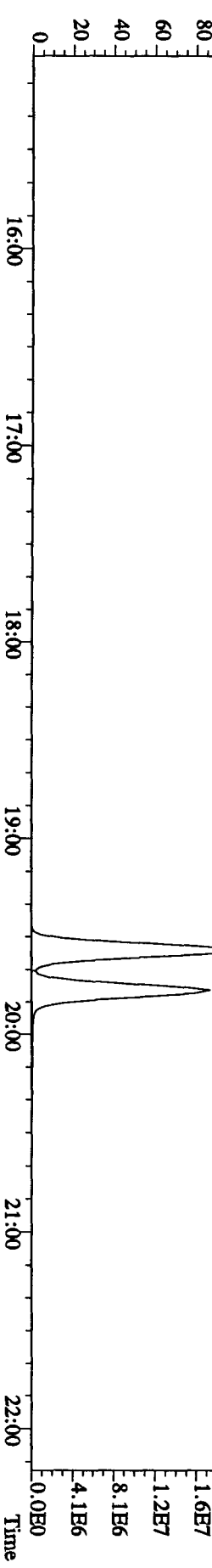
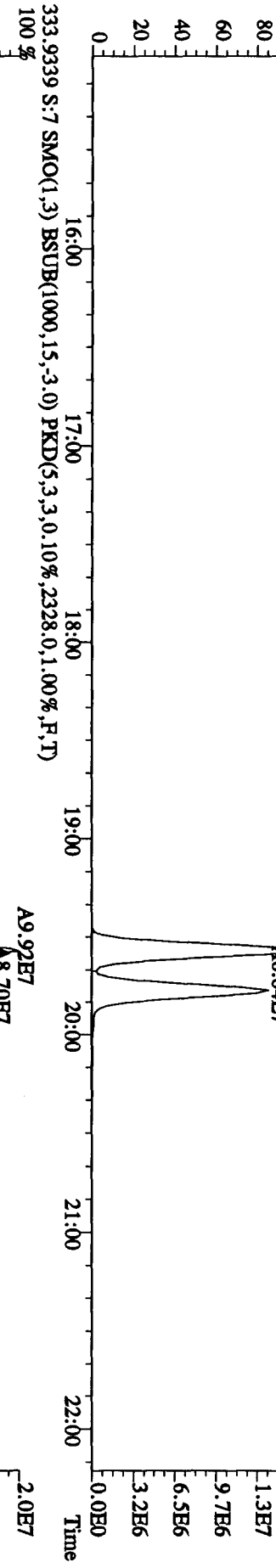
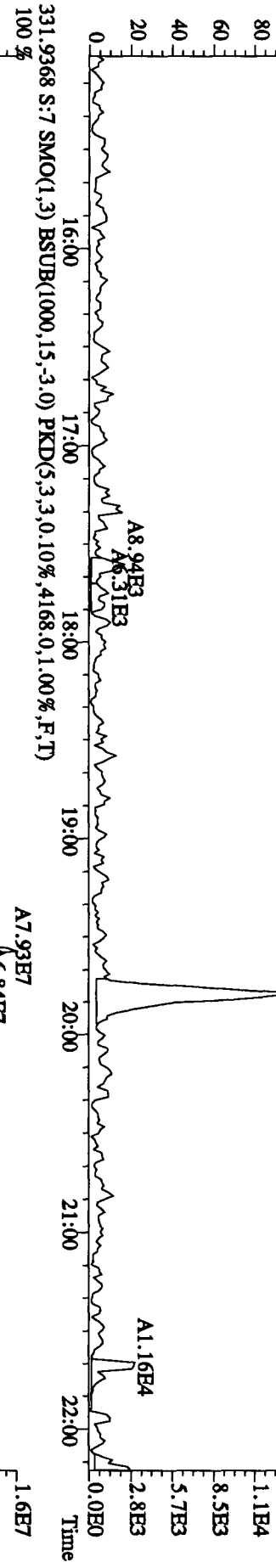
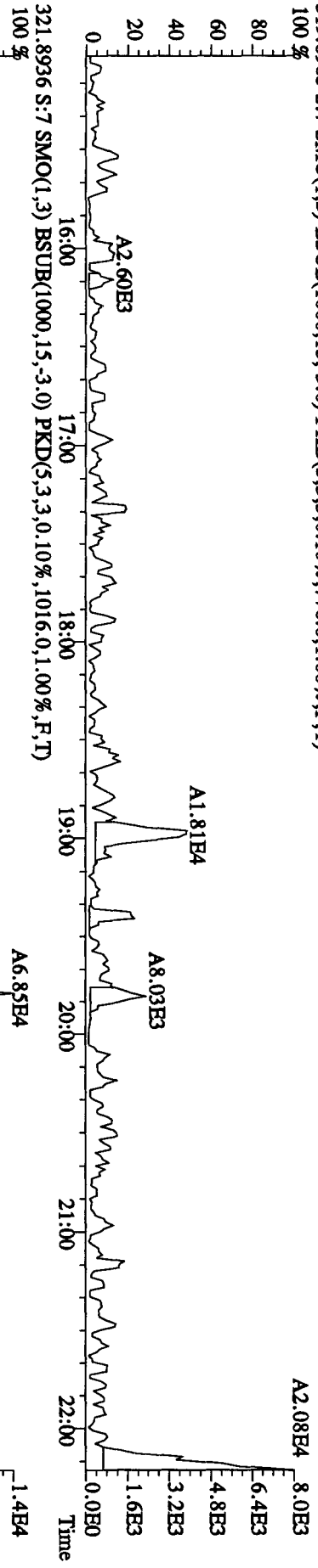
VB
4.
2.6

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	178445300	0.80 y	19:34	-	13.3198	-	-	n
13C-2,3,7,8-TCDF	221836700	0.80 y	18:59	1.52	162.3583	0.0812	81.7	n
2,3,7,8-TCDF	119756	1.01 n	19:01	0.95	0.1134	0.0271	-	n
Total TCDF	426496	1.30 n	16:49	0.95	0.4039	0.0271	-	n
13C-2,3,7,8-TCDD	155378900	0.79 y	19:46	0.95	182.0986	0.1118	91.7	n
2,3,7,8-TCDD	18459	0.12 n	19:48	1.02	0.0231	0.0333	-	n
Total TCDD	29019	0.12 n	19:48	1.02	0.0363	0.0333	-	n
37Cl-2,3,7,8-TCDD	146052400	1.00 y	19:47	2.26	71.8863	0.0024	90.5	n
13C-1,2,3,7,8-PeCDF	132191500	1.60 y	24:40	1.05	140.0797	0.0815	70.5	n
1,2,3,7,8-PeCDF	76847	1.73 y	24:42	1.04	0.1105	0.0327	-	n
2,3,4,7,8-PeCDF	22976	0.72 n	26:14	0.98	0.0351	0.0348	-	n
Total F2 PeCDF	359547	2.43 n	23:09	1.01	0.5307	0.0337	-	n
Total F1 PeCDF	46869	0.32 n	15:53	1.01	0.0695	0.0422	-	n
13C-1,2,3,7,8-PeCDD	76020900	1.58 y	27:00	0.67	126.1974	0.0059	63.5	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.98	*	0.0628	-	n
Total PeCDD	46535	0.65 n	22:51	0.98	0.1238	0.0628	-	n
13C-1,2,3,7,8,9-HxCDD	76992800	1.27 y	33:07	-	7.4406	-	-	n
13C-1,2,3,4,7,8-HxCDF	80148400	0.51 y	31:58	1.02	201.7343	0.0230	101.6	n
1,2,3,4,7,8-HxCDF	41356	2.61 n	31:58	1.21	0.0845	0.0274	-	n
1,2,3,6,7,8-HxCDF	35310	0.78 n	32:08	1.34	0.0652	0.0247	-	n
2,3,4,6,7,8-HxCDF	24303	1.69 n	32:40	1.22	0.0493	0.0272	-	n
1,2,3,7,8,9-HxCDF	59194	1.35 y	33:22	1.09	0.1343	0.0304	-	n
Total HxCDF	242464	1.91 n	30:37	1.22	0.5007	0.0273	-	n
13C-1,2,3,6,7,8-HxCDD	55844800	1.28 y	32:52	0.81	178.4938	0.0659	89.9	n
1,2,3,4,7,8-HxCDD	22129	1.21 y	32:52	1.01	0.0782	0.0539	-	n
1,2,3,6,7,8-HxCDD	22129	1.21 y	32:52	1.11	0.0707	0.0487	-	n
1,2,3,7,8,9-HxCDD	32591	1.14 y	33:08	1.21	0.0959	0.0449	-	n
Total HxCDD	89273	3.47 n	31:58	1.11	0.2772	0.0489	-	n
13C-1,2,3,4,6,7,8-HpCDF	51852400	0.42 y	34:38	0.86	155.0654	0.7044	78.1	n
1,2,3,4,6,7,8-HpCDF	66575	1.57 n	34:38	1.31	0.1947	0.0957	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.03	*	0.1222	-	n
Total HpCDF	78390	1.57 n	34:38	1.17	0.2335	0.1073	-	n
13C-1,2,3,4,6,7,8-HpCDD	50984200	1.03 y	35:27	0.70	188.5580	0.1820	94.9	n
1,2,3,4,6,7,8-HpCDD	36212	0.95 y	35:28	1.07	0.1316	0.1082	-	n
Total HpCDD	82939	0.84 n	34:54	1.07	0.3014	0.1082	-	n
13C-OCDD	53238500	0.90 y	37:58	0.53	258.4434	0.0240	65.1	n
OCDF	86159	0.78 y	38:04	1.45	0.4448	0.0648	-	n
OCDD	102479	1.10 n	37:58	1.17	0.6556	0.1308	-	n

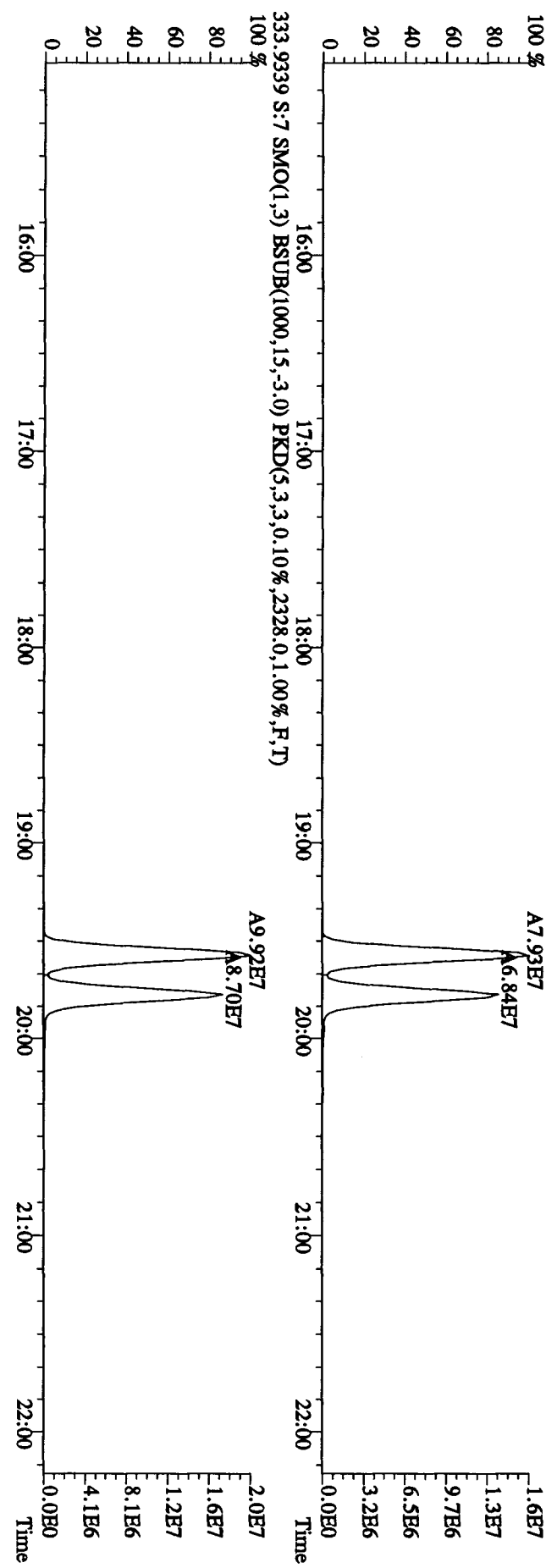
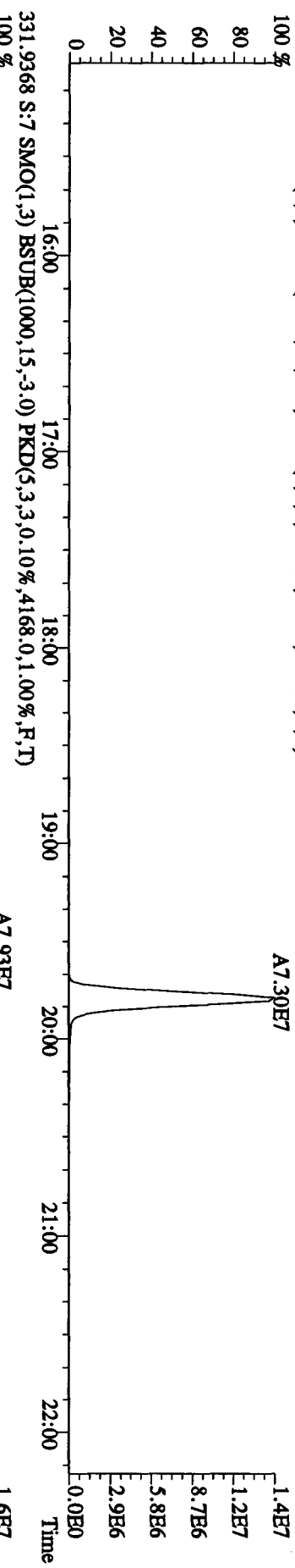
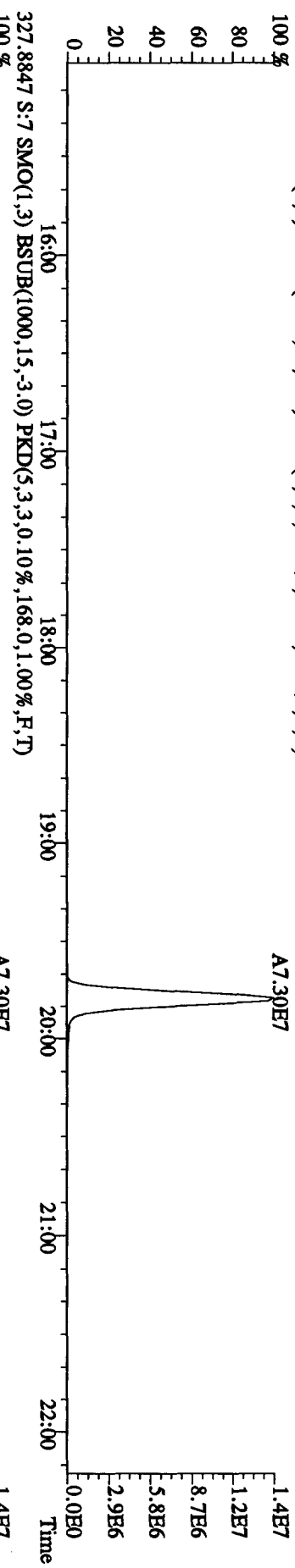
File:21AP104D5 #1-434 Acq:21-APR-2010 12:46:41 GC-EL+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXMTT-1-AC :G0D080425-22 Exp:DIOXINRES8290A
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,792.0,1.00%,F,T)



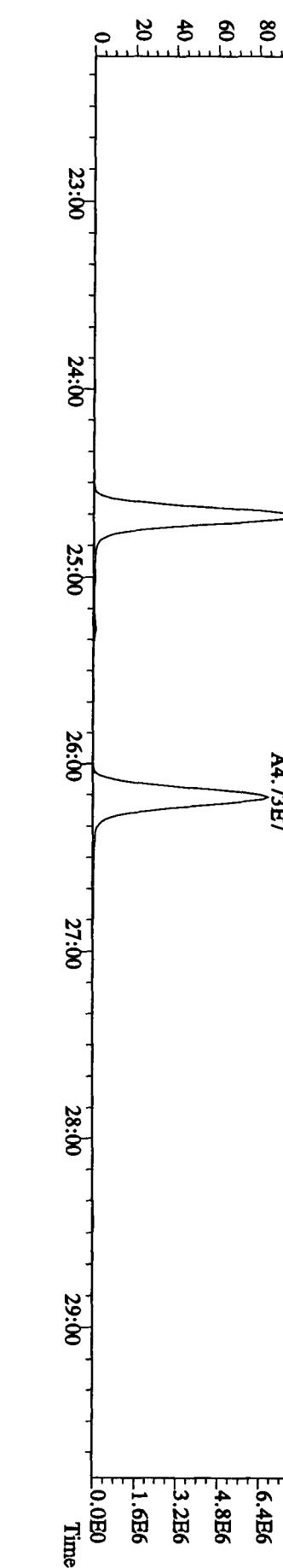
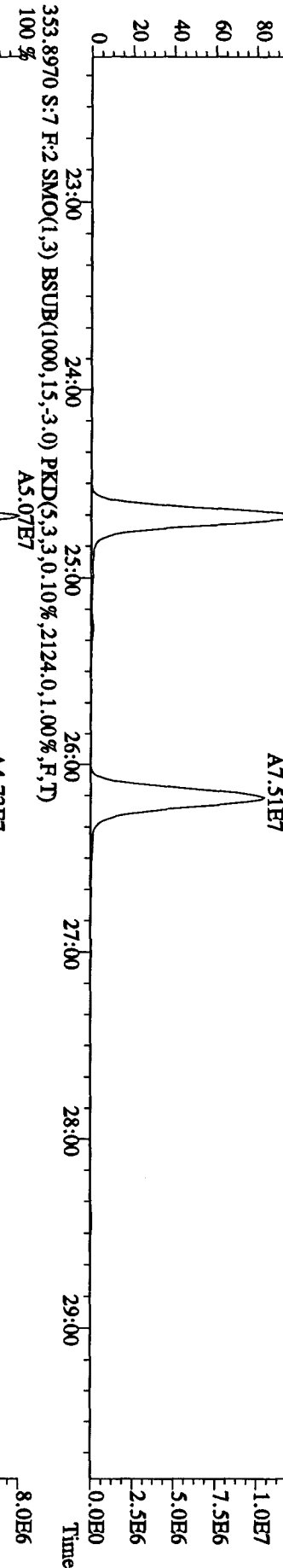
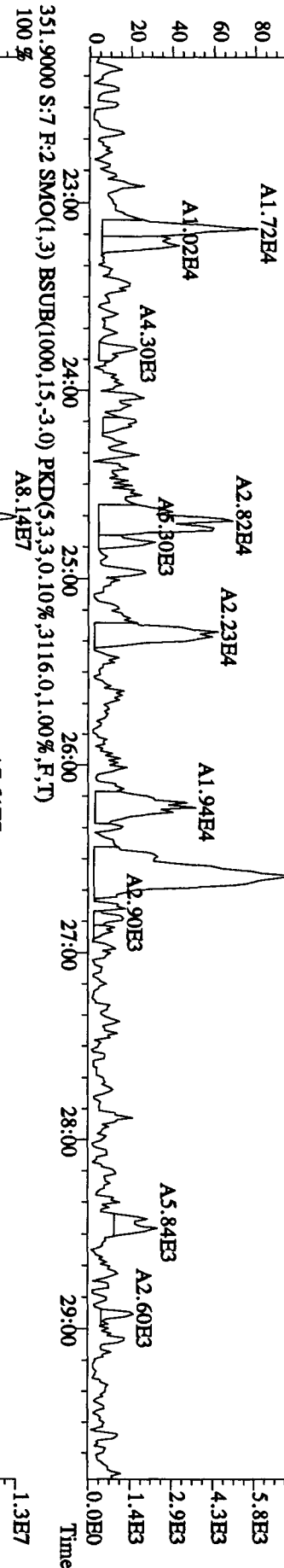
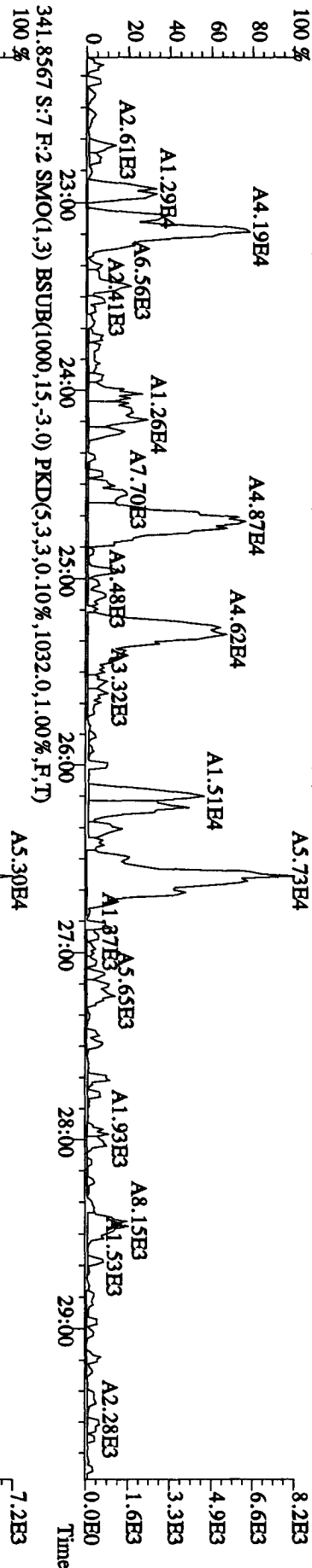
File: 21AP104D5 #1-434 Acq: 21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: LXM7T-1-AC :G0D080425-22 Exp: DIOXINRES8290A
 319.8965 S: 7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,776.0,1.00%,F,T)



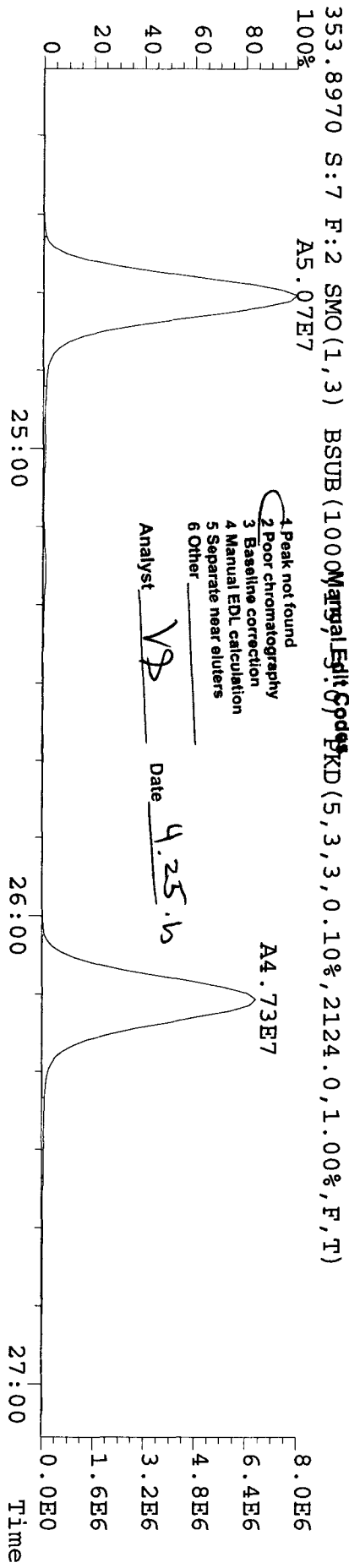
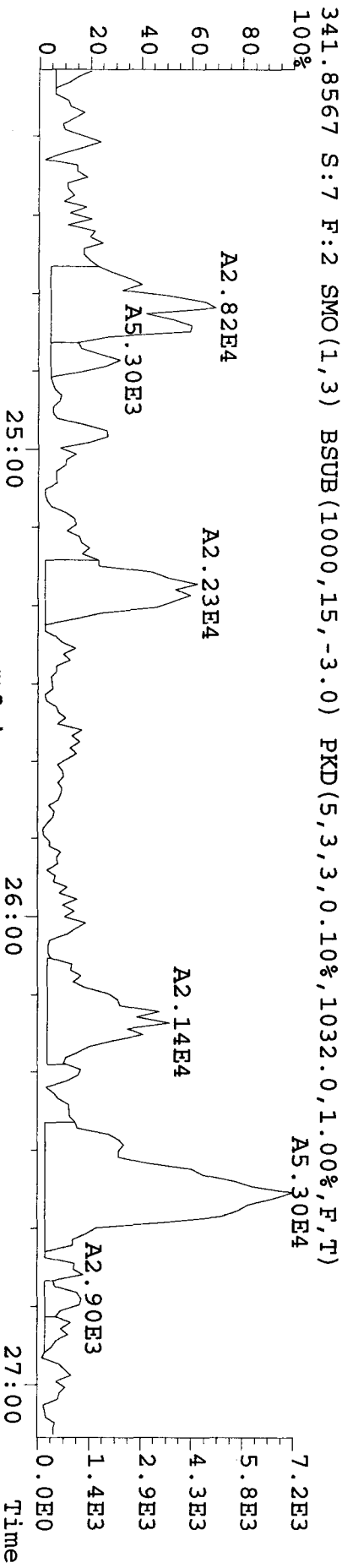
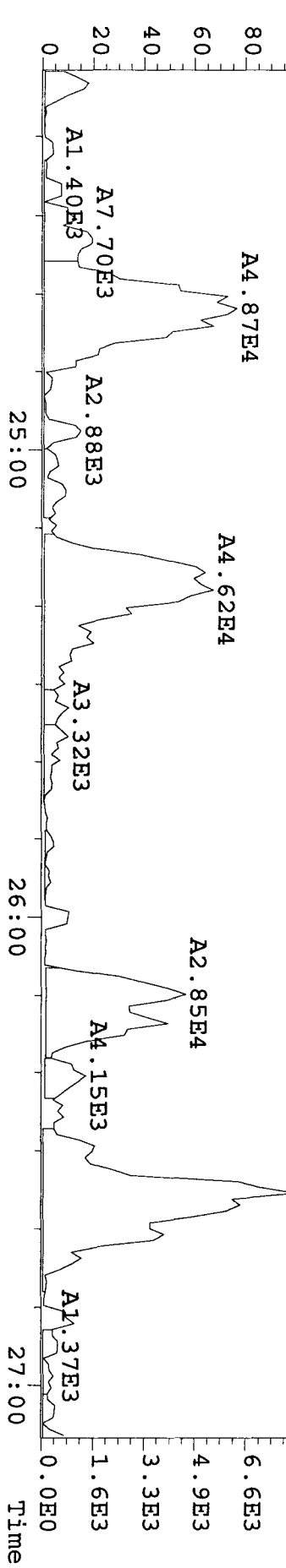
File:21AP104D5 #1-434 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXMTT-1-AC :G0D080425-22 Exp:DIOXINRES8290A
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,168.0,1.00%,F,T) 100%



File: 21AP104D5 #1-604 Acq: 21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXM7T-1-AC :G0D080425-22 Exp: DIOXINRES8290A
 339.8597 S: 7 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148,0.1,00%,F,T)



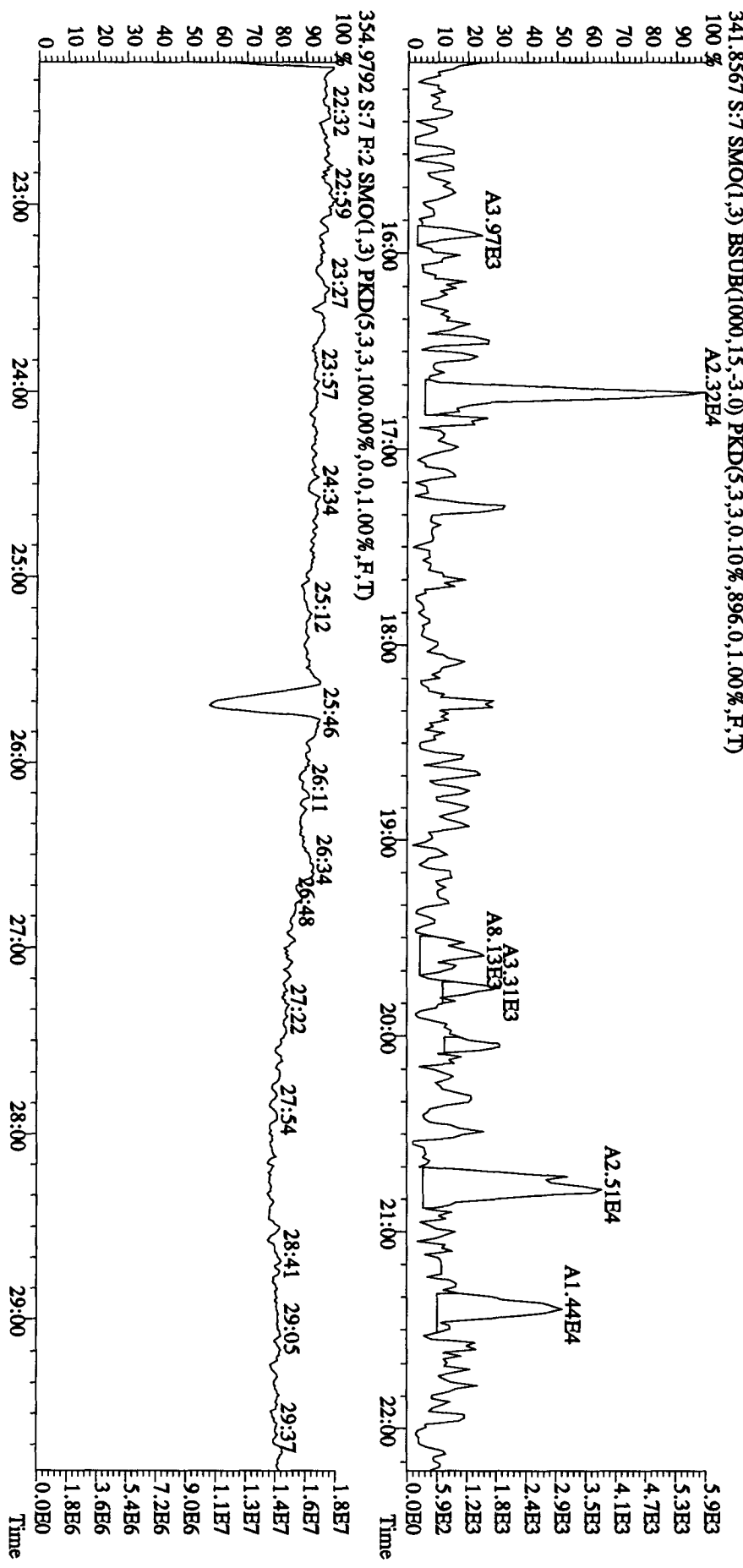
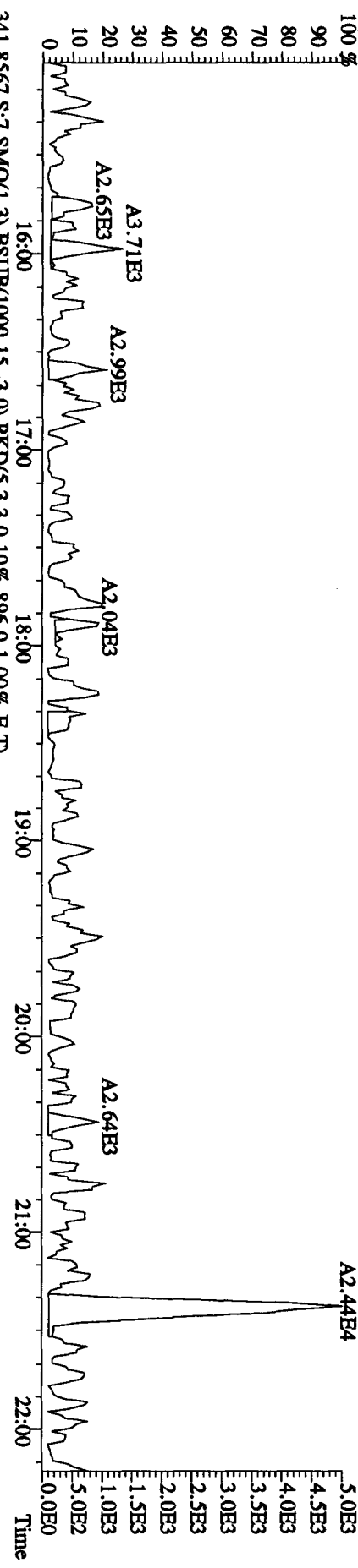
File: 21API04D5 #1-604 Acq: 21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXM7T-1-AC :GDD080425-22 Exp:DIOXINRES8290A
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T) 100%



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

Analyst VP Date 4.25.10

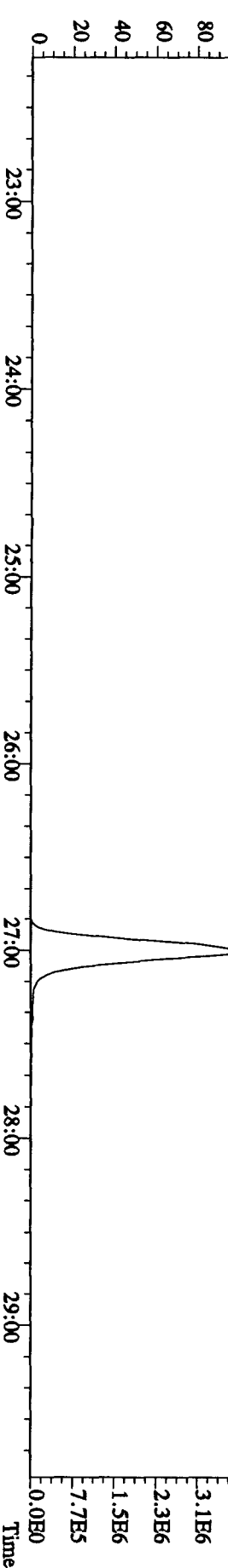
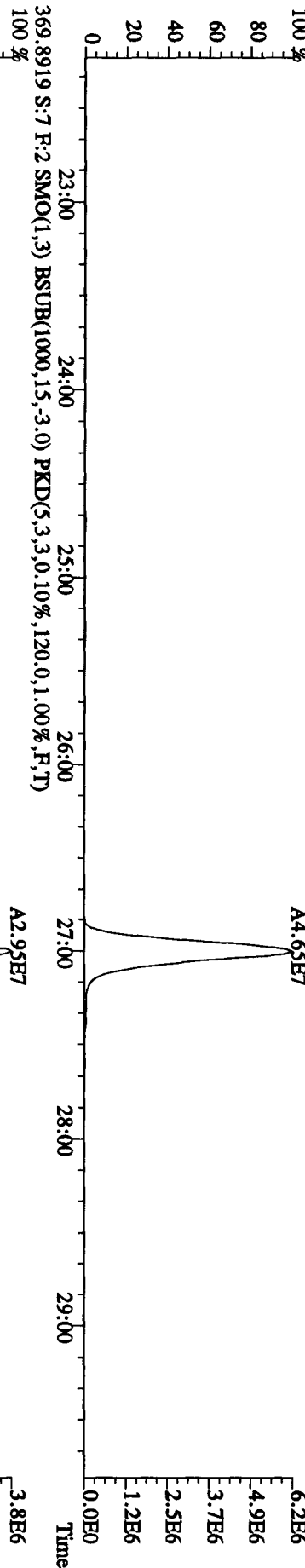
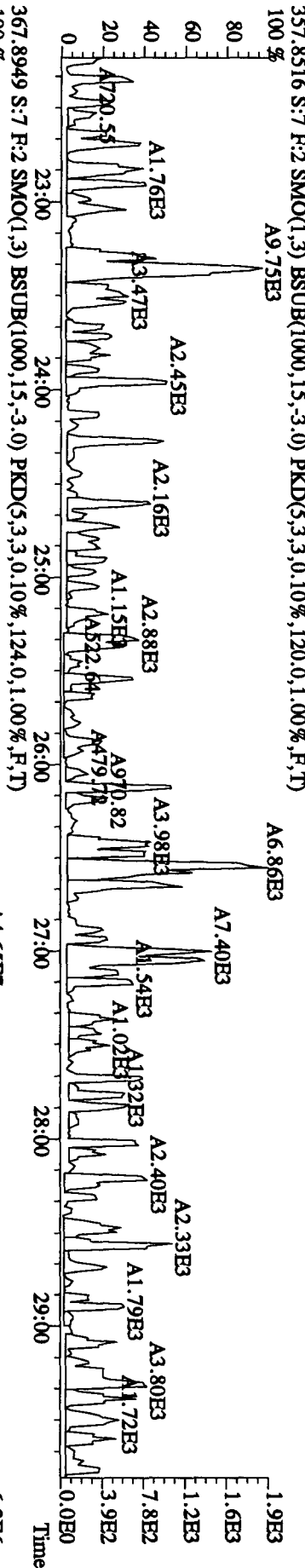
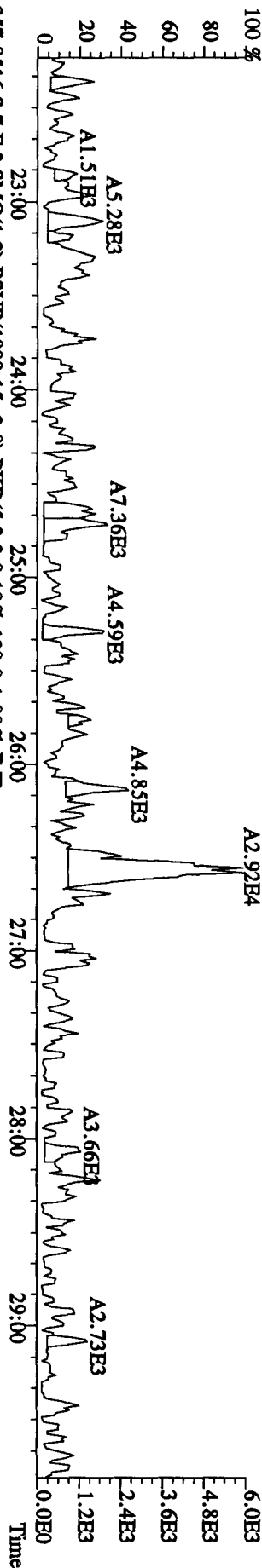
File: 21AP104D5 #1-434 Acq: 21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text: LXM7T-1-AC : G0D080425-22 Exp: DIOXINRES8290A
 339.8597 S: 7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.580,0.1,0.0%,F,T)



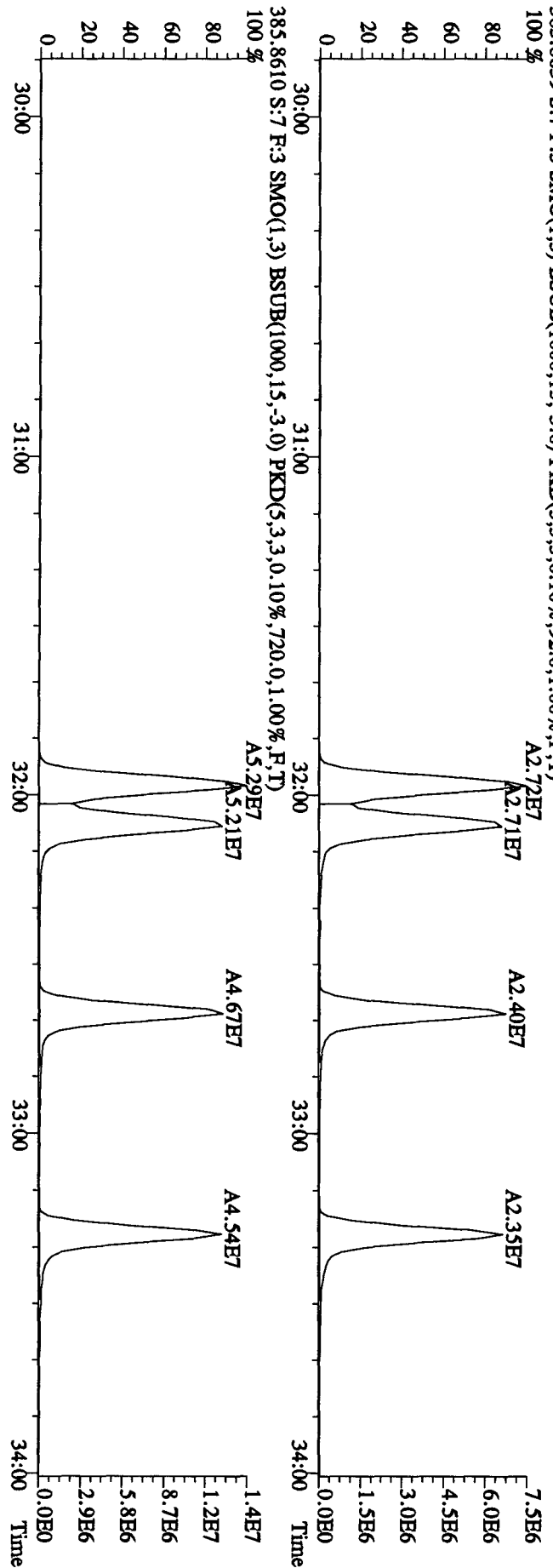
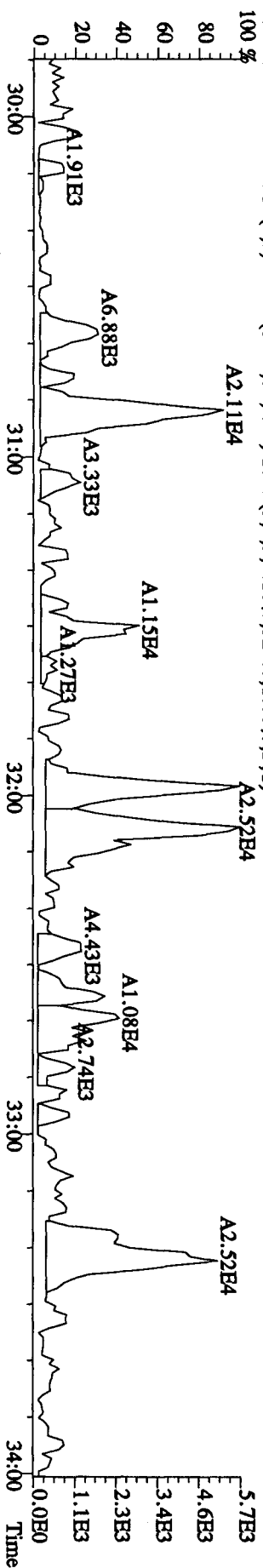
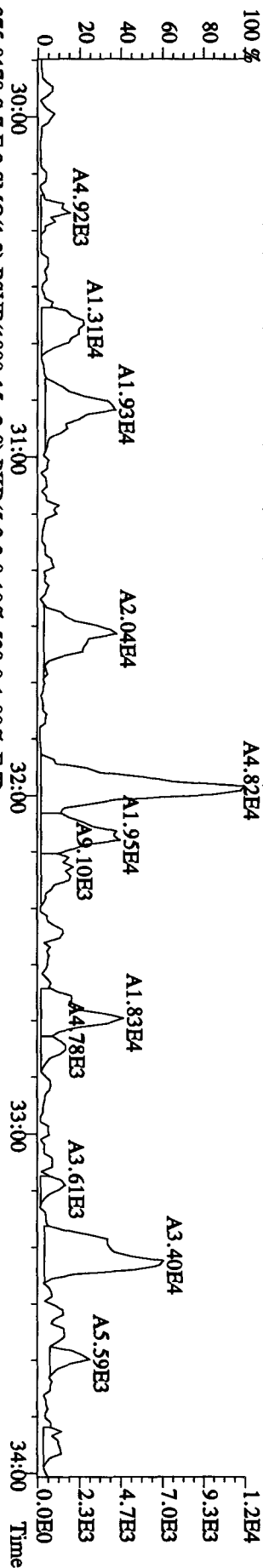
File: 21AP104D5 #1-604 Acq: 21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-Ultimate

Sample#7 Text: LXM7T-1-AC :G0D080425-22 Exp: DIOXINRES8290A

357.8516 S: 7 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)



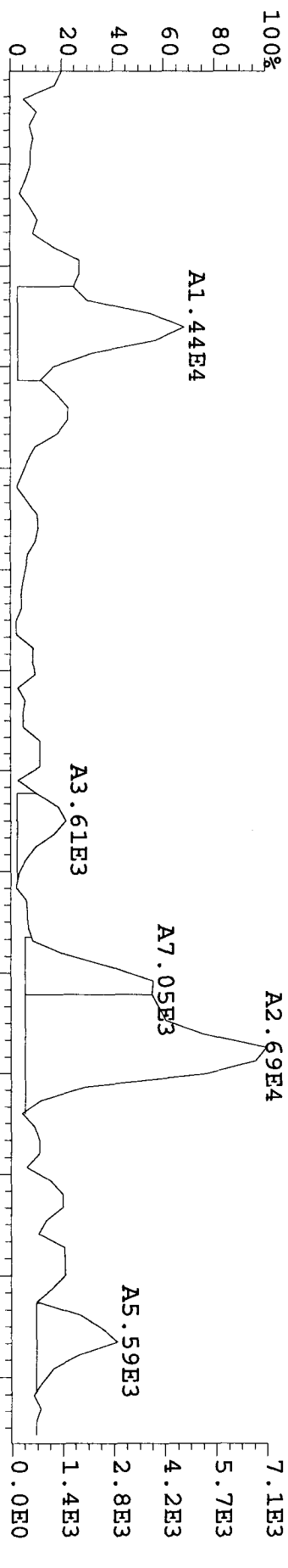
File: 21AP104D5 #1-317 Acq: 21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXM7T-1-AC :G0D080425-22 Exp: DIOXINRES8290A
 373.8208 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,704,0.1,0.00%,F,T) 100%
 385.8610 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720,0.1,0.00%,F,T) 100%



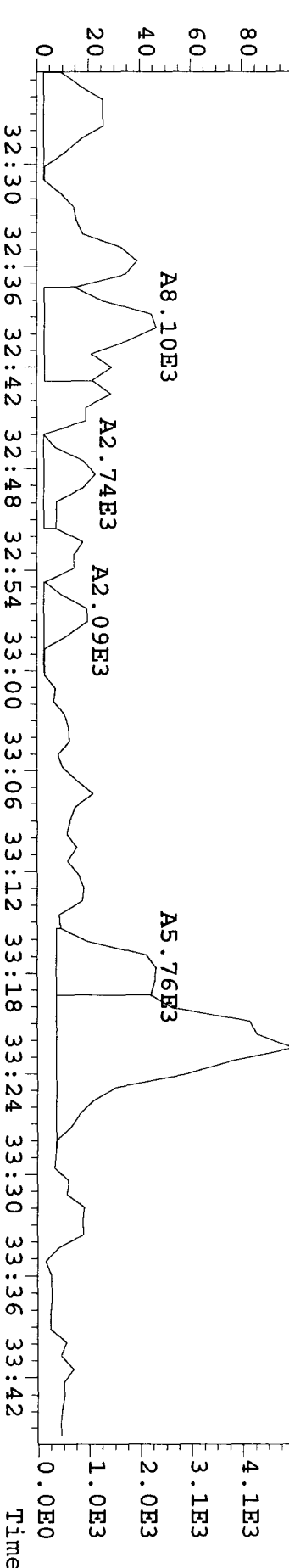
File: 21API04D5 #1-317 Acq: 21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaE

Sample#7 Text: LXM7T-1-AC :G0D080425-22 Exp: DIOXINRES8290A

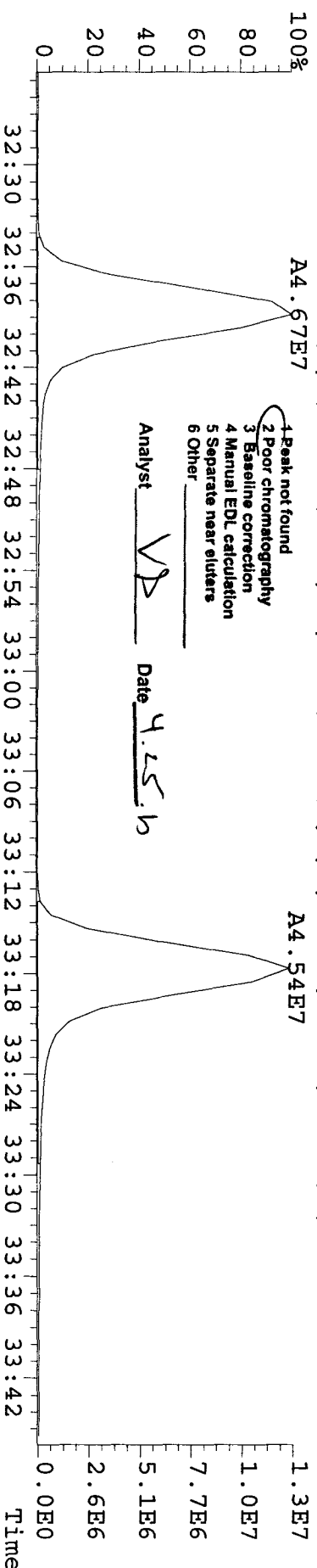
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,704.0,1.00%,F,T)



375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,520.0,1.00%,F,T)



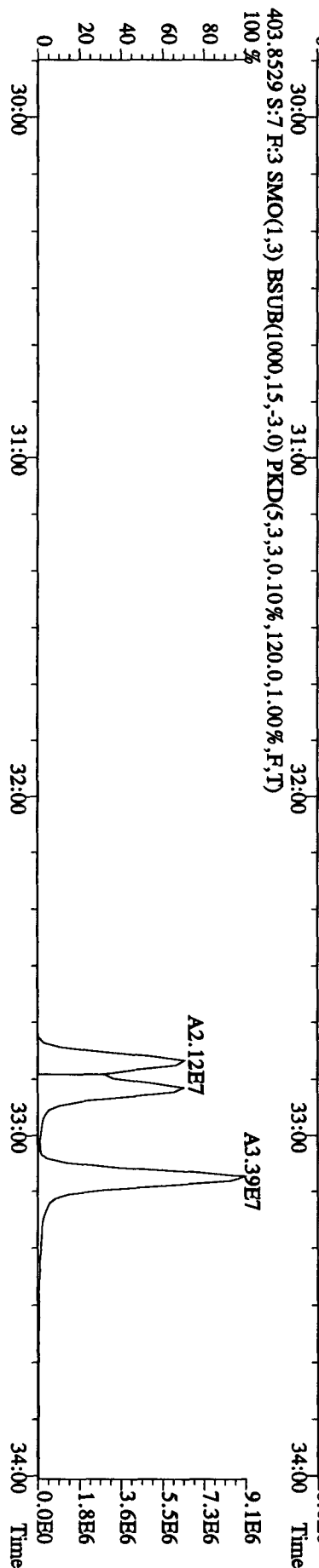
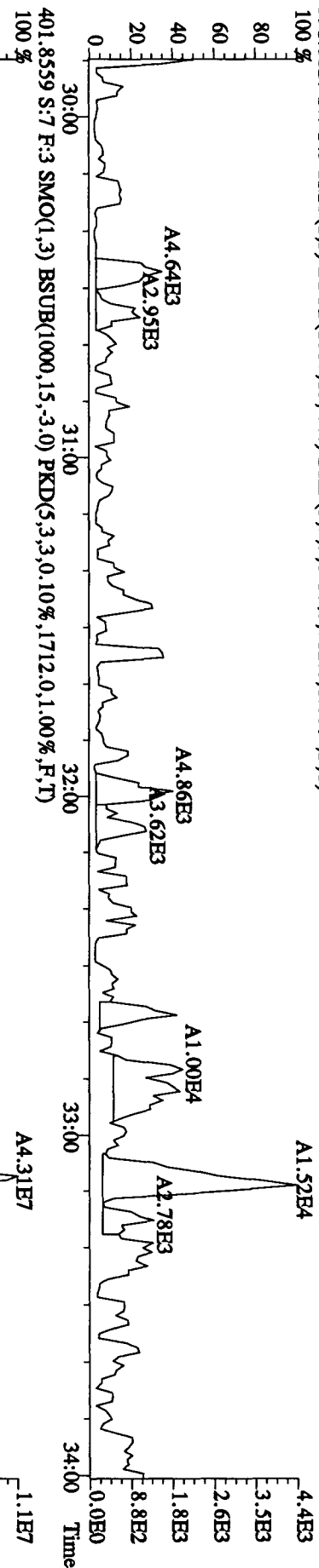
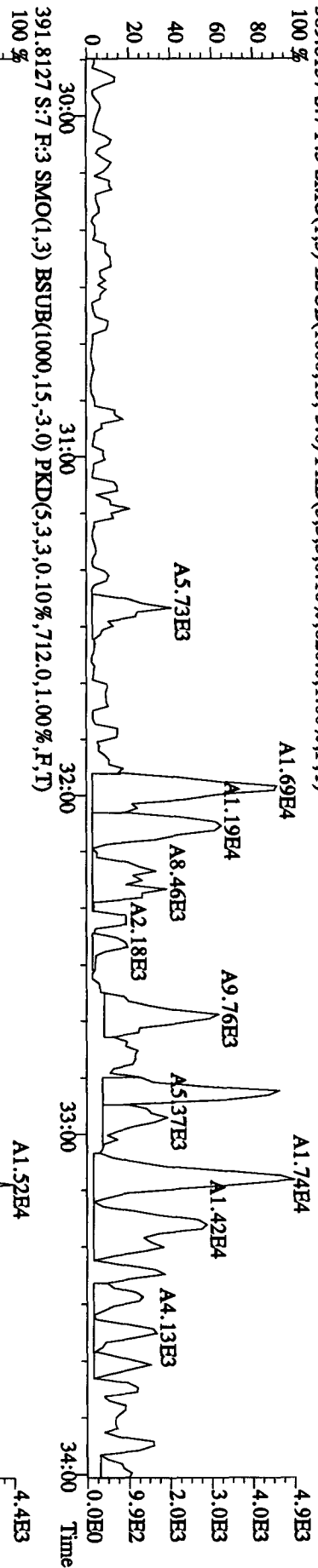
385.8610 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)



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

Analyst VB Date 4.25.10

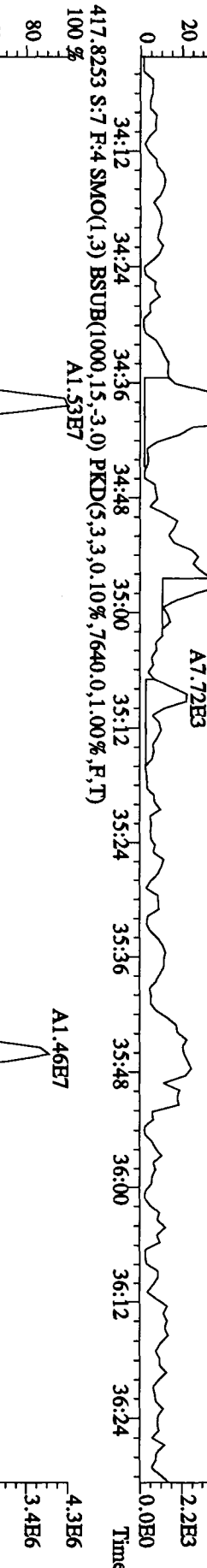
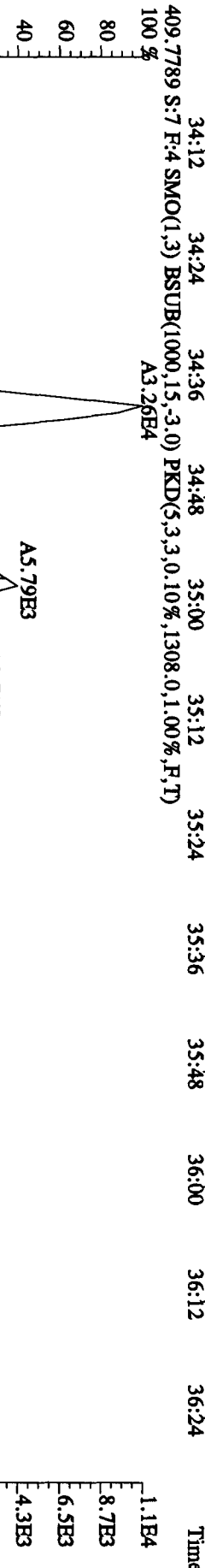
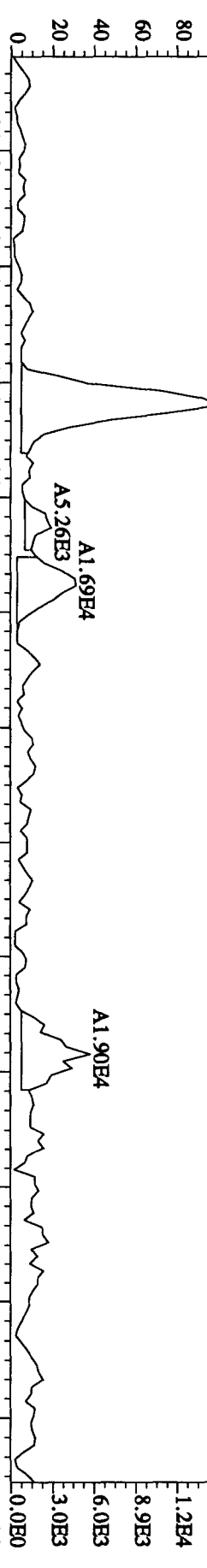
File:21AP104D5 #1-317 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXMT7T-1-AC :G0D080425-22 Exp:DIOXINRES8290A
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,620,0,1,00%,F,T)
 100 %



File:21AP104D5 #1-198 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaB

Sample#7 Text:LXMT7-1-AC :GOD080425-22 Exp:DIOXINRES8290A

407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1700,0,1,00%,F,T)

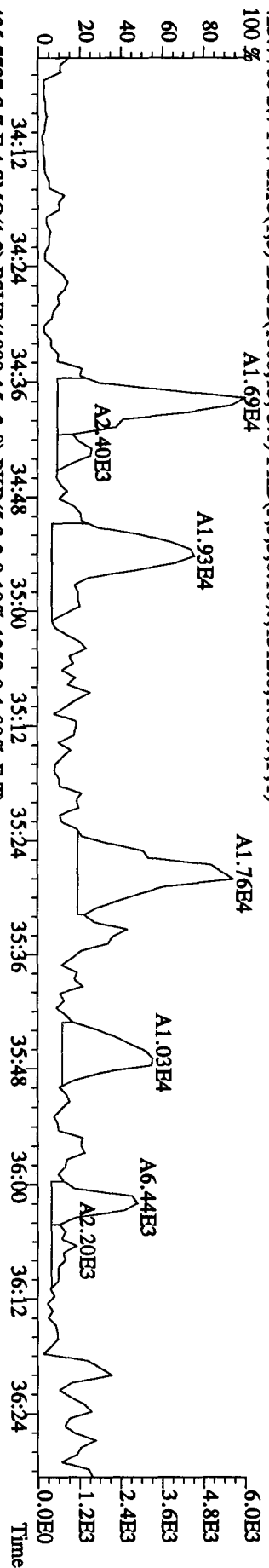


File: 21AP104D5 #1-198 Acq: 21-APR-2010 12:46:41 GC-EL+ Voltage SIR Autospec-Ultimate

Sample#7 Text: LXM7T-1-AC :G0D080425-22 Exp: DIOXINRES8290A

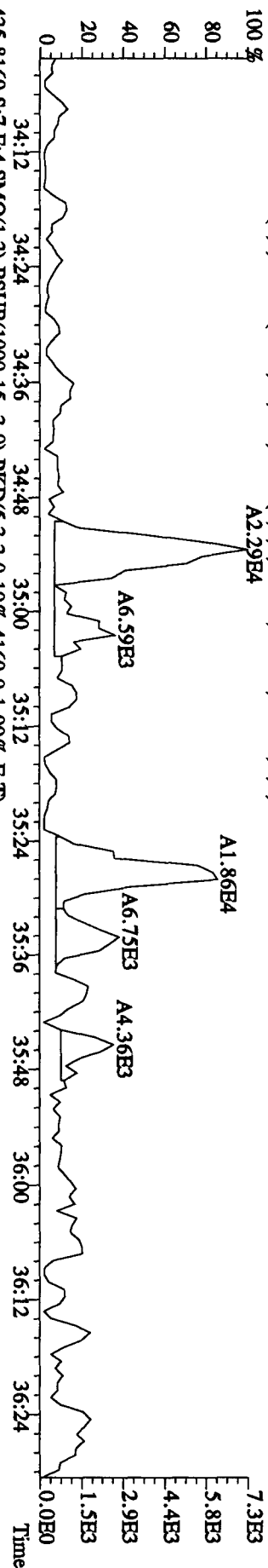
423.7766 S: 7 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1312.0,1.00%,F,T)

100% A1.69E4



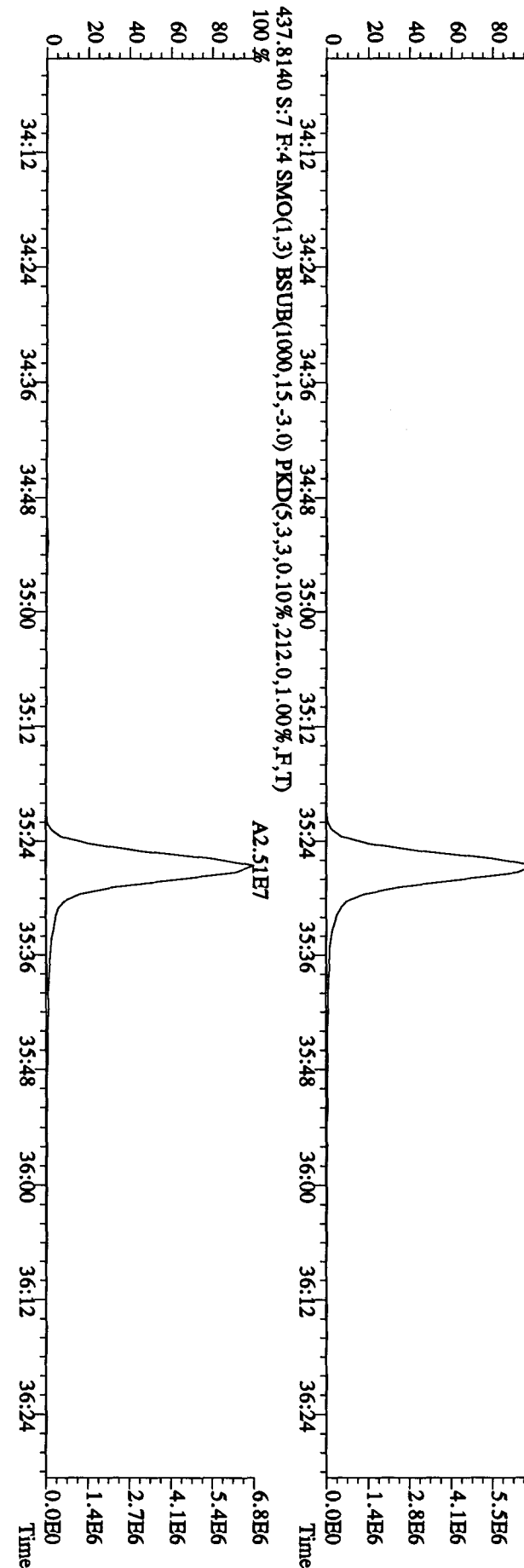
425.7737 S: 7 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1352.0,1.00%,F,T)

100% A2.29E4

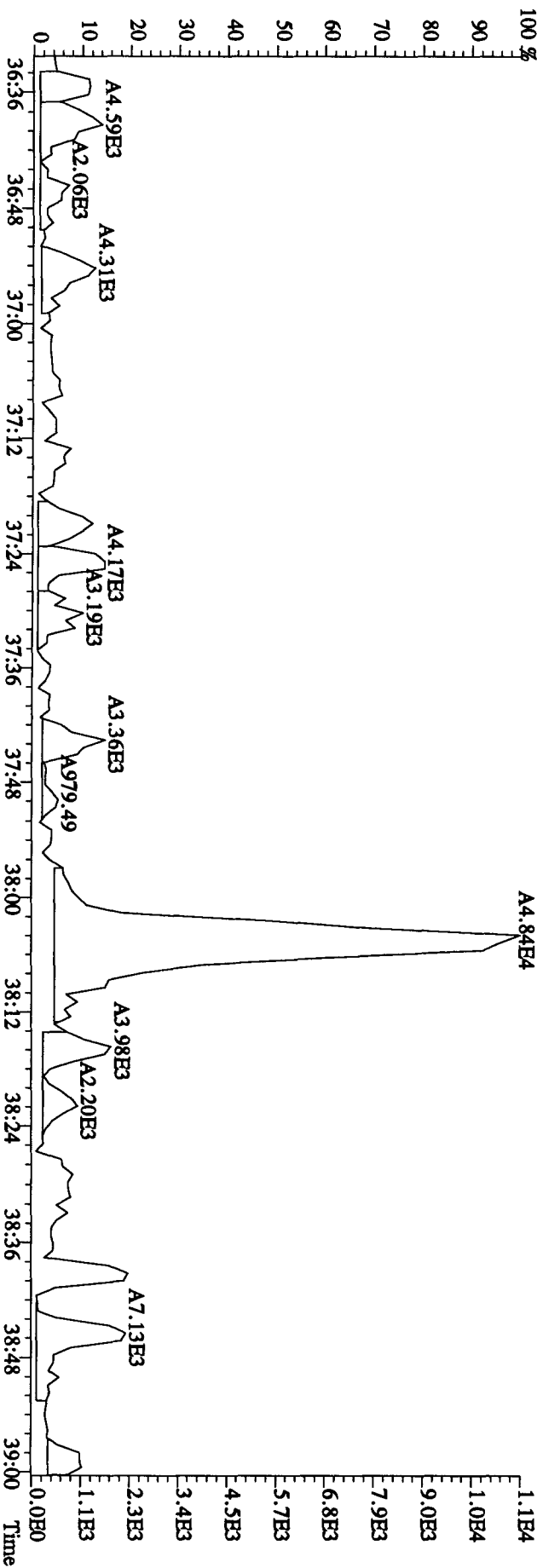
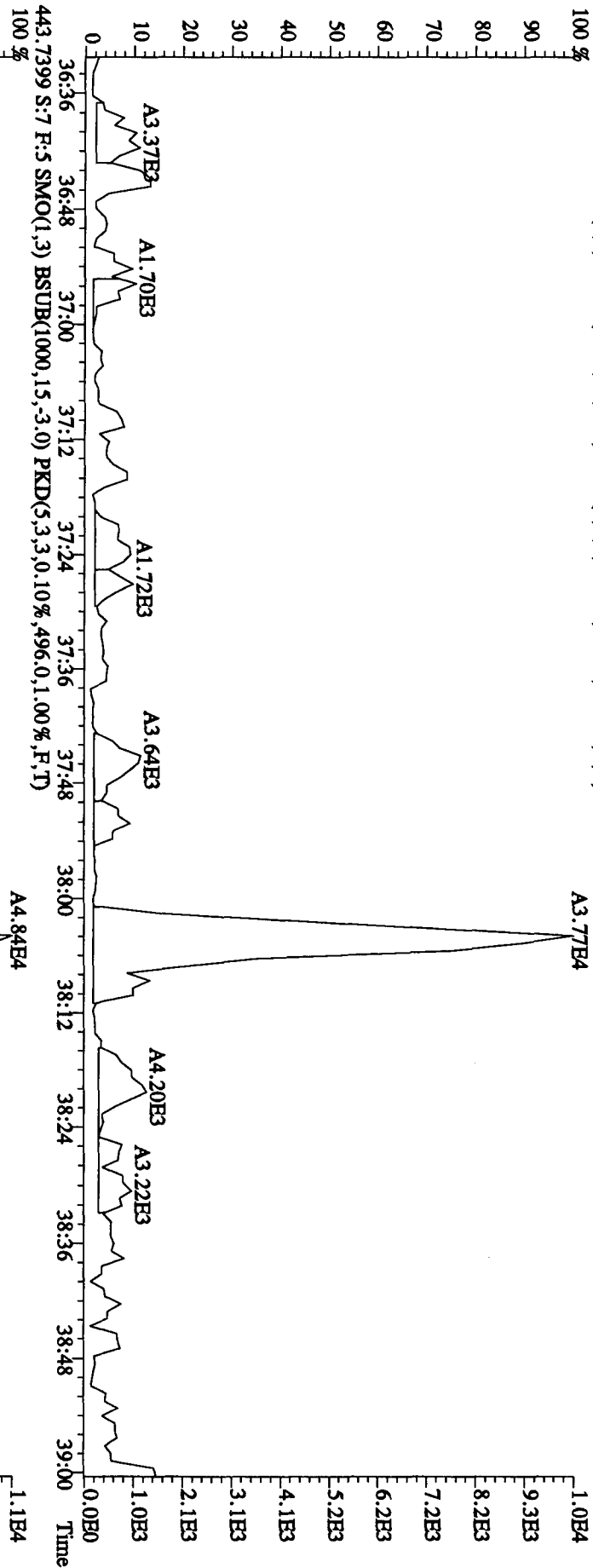


435.8169 S: 7 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,212.0,1.00%,F,T)

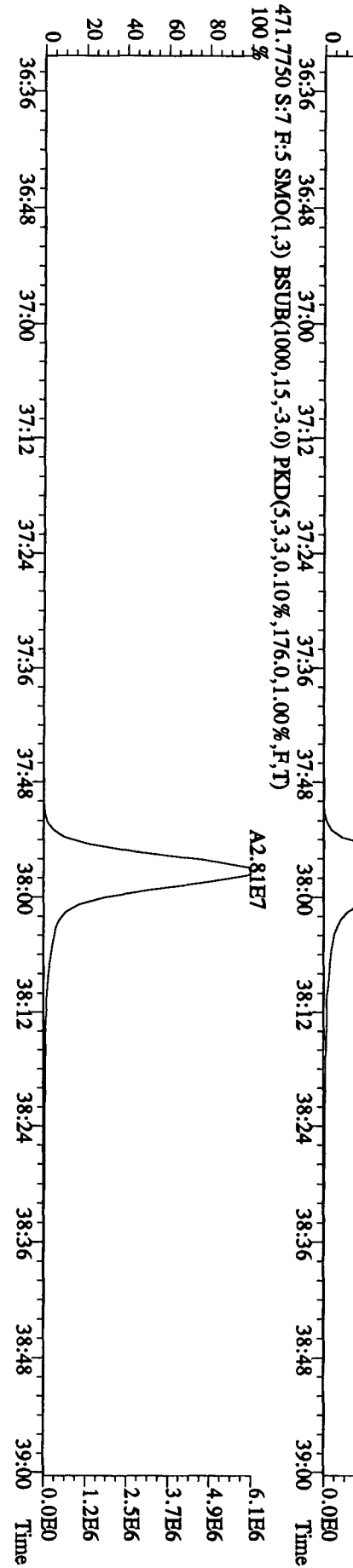
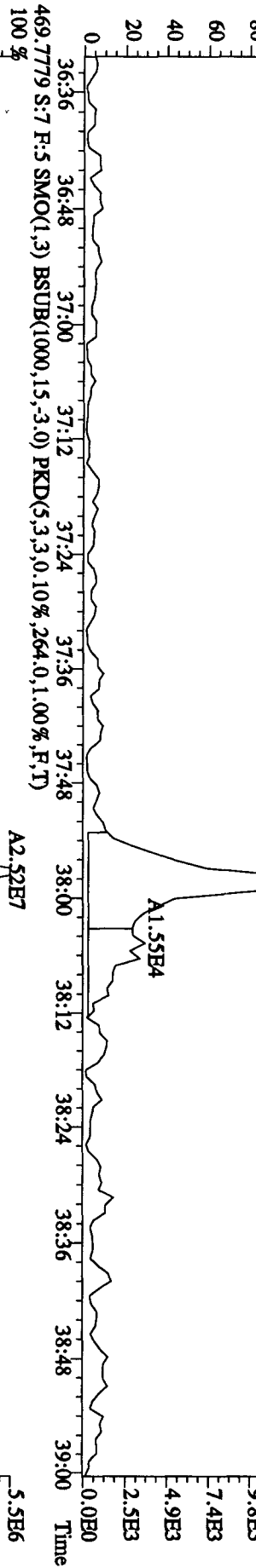
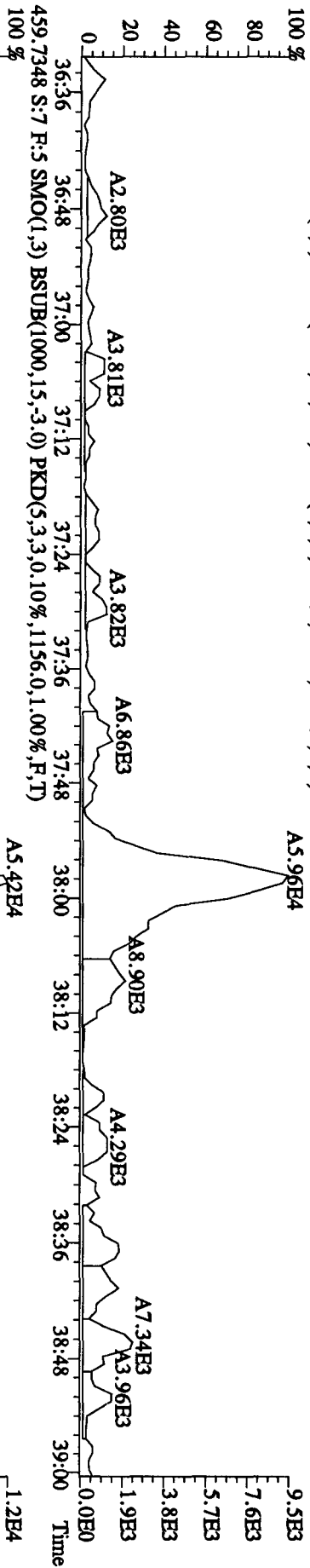
100% A2.51E7



File:21AP104D5 #1-190 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXMTT-1-AC :GDD080425-22 Exp:DIOXINRES8290A
 441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,420.0,1.00%,F,T)

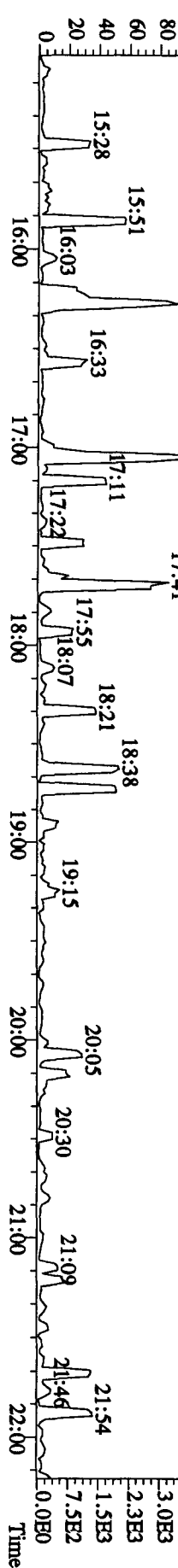
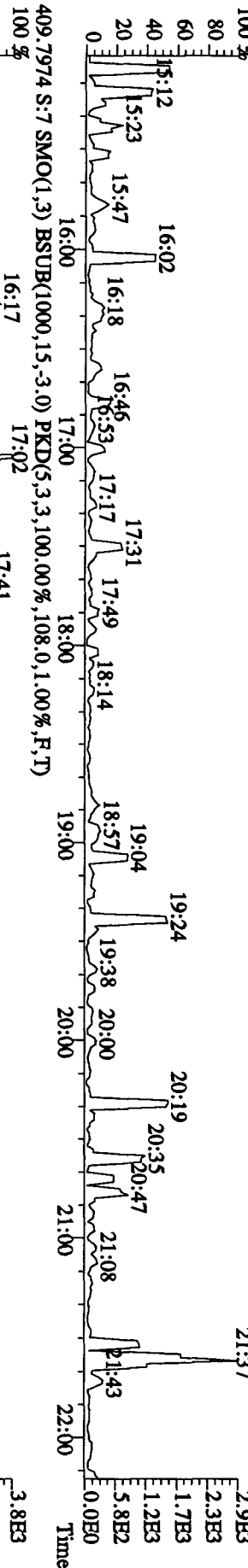
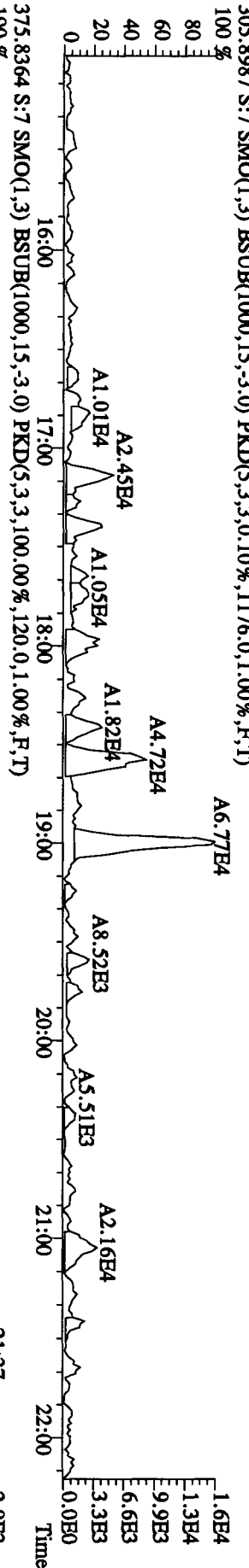
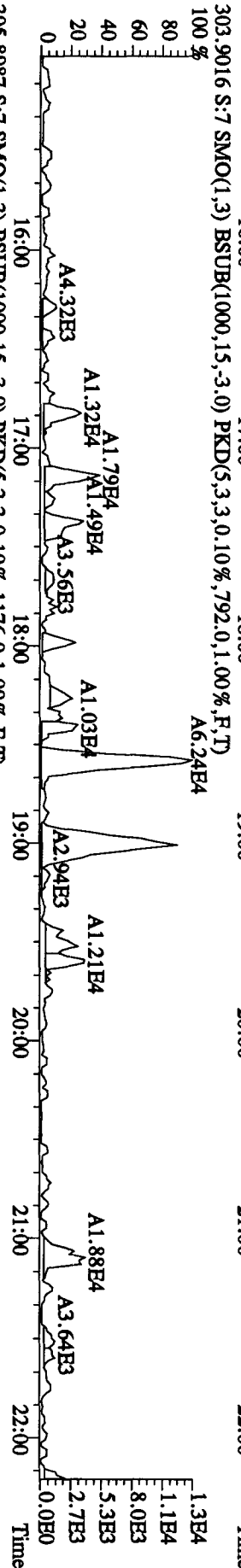
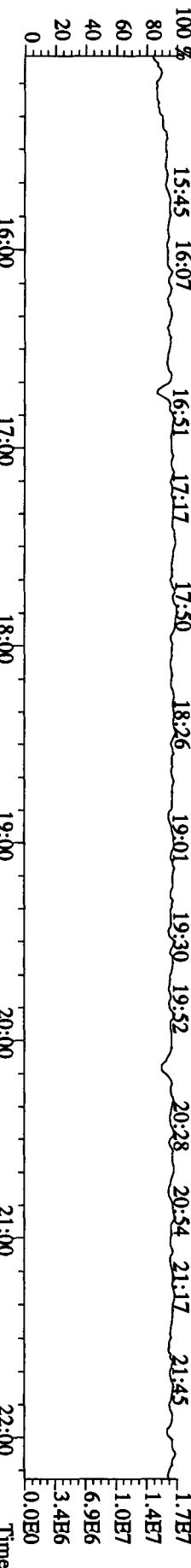


File:21ADP104D5 #1-190 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXM7T-1-AC :GOD080425-22 Exp:DIOXINRES8290A
 457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,336.0,1.00%,F,T)

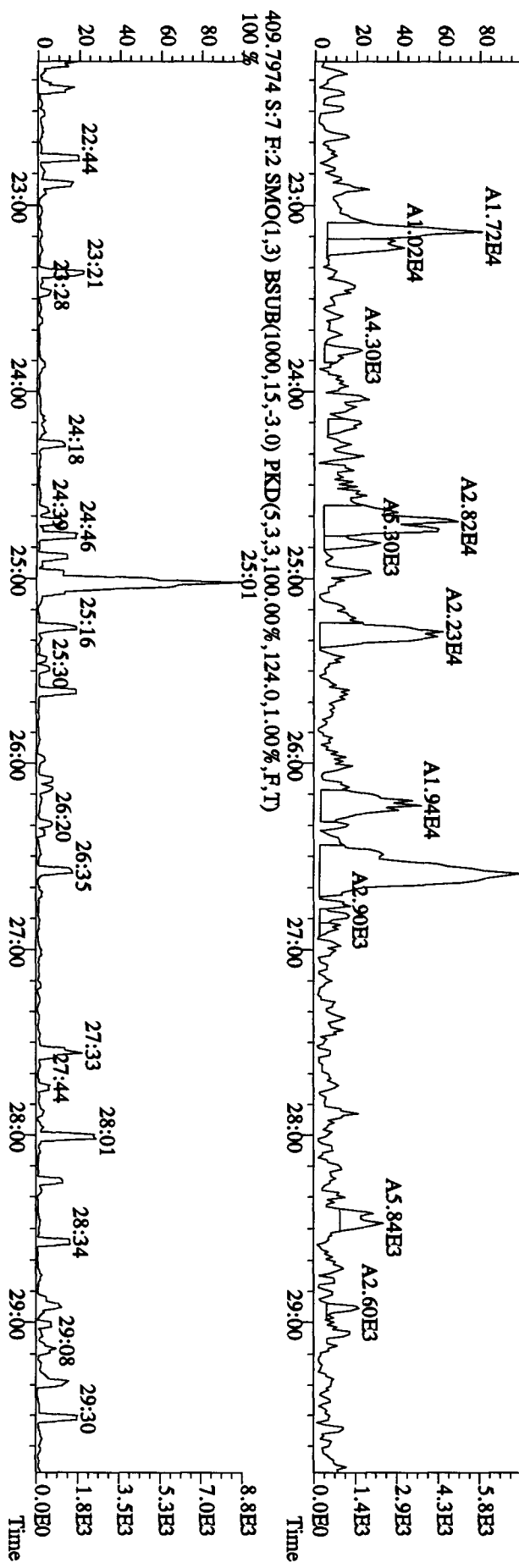
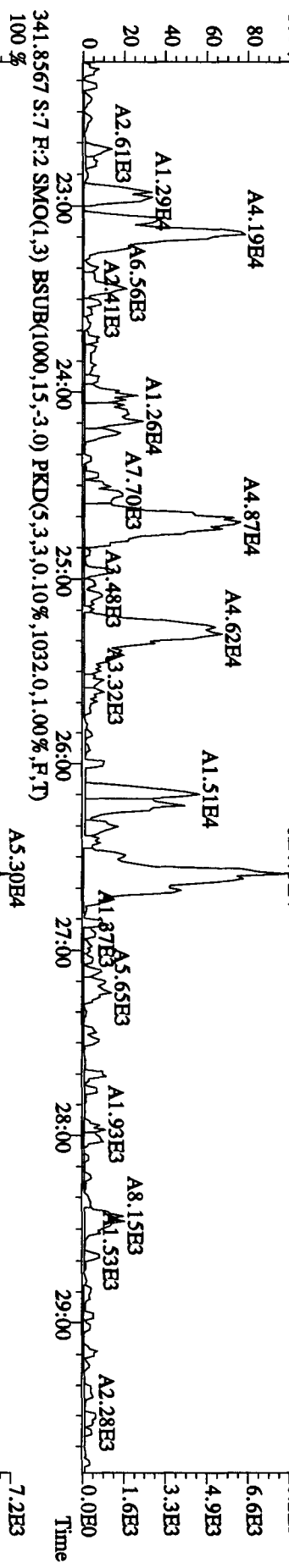
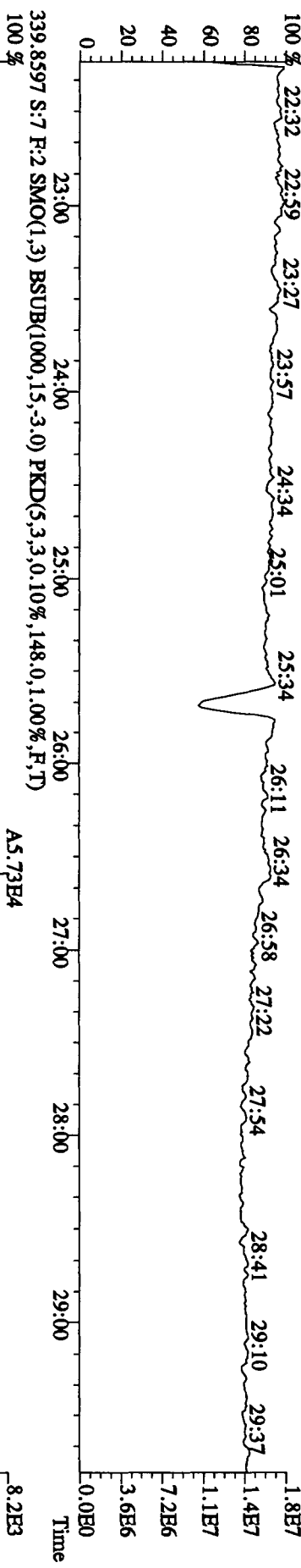


File:21AP104D5 #1-434 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaB

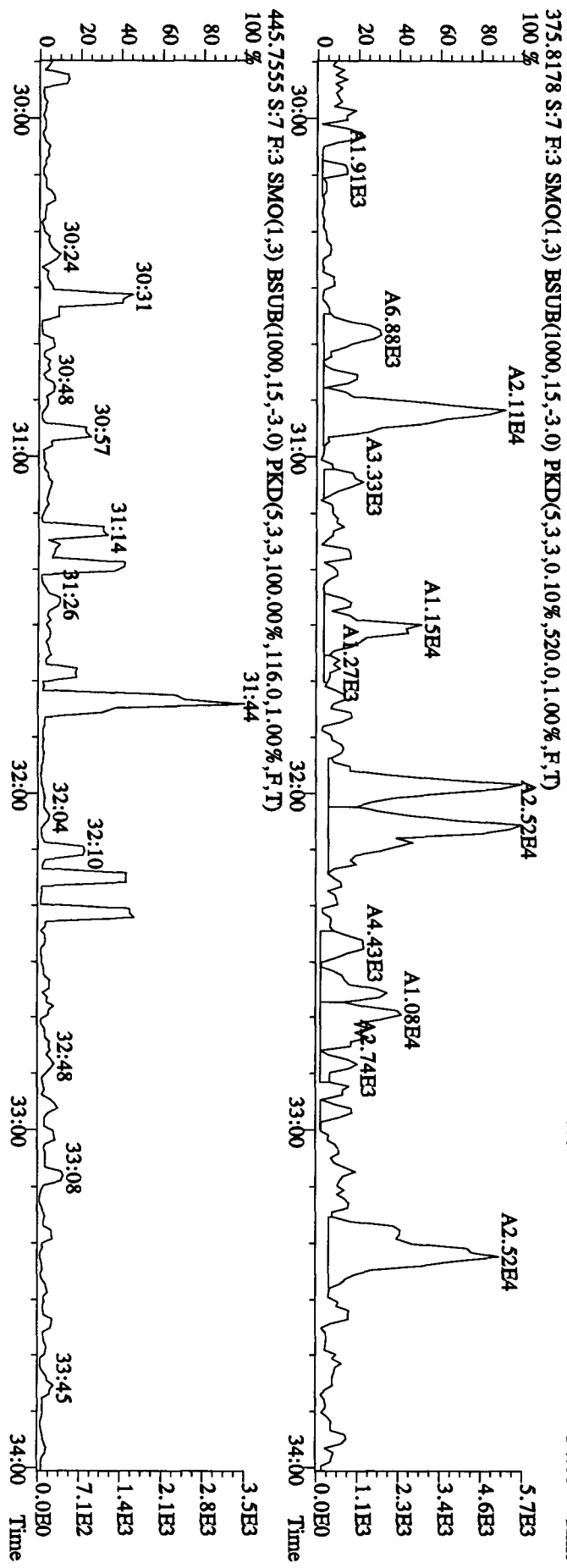
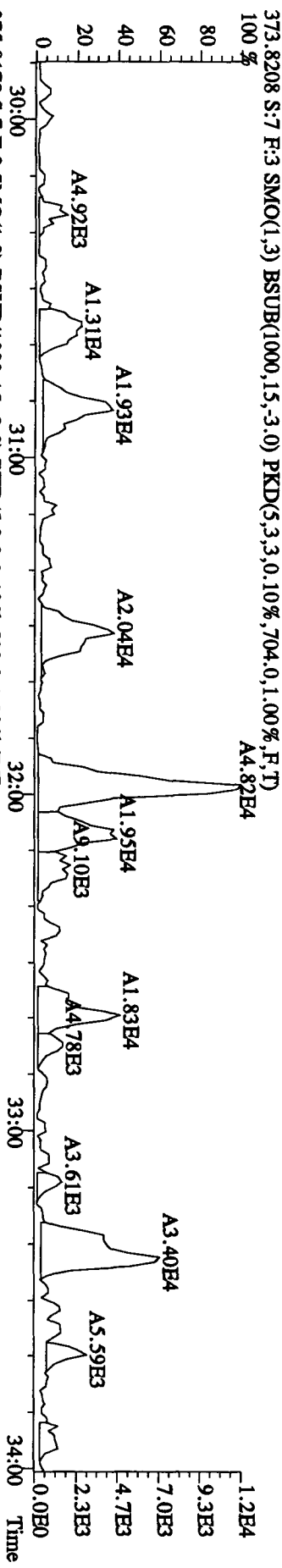
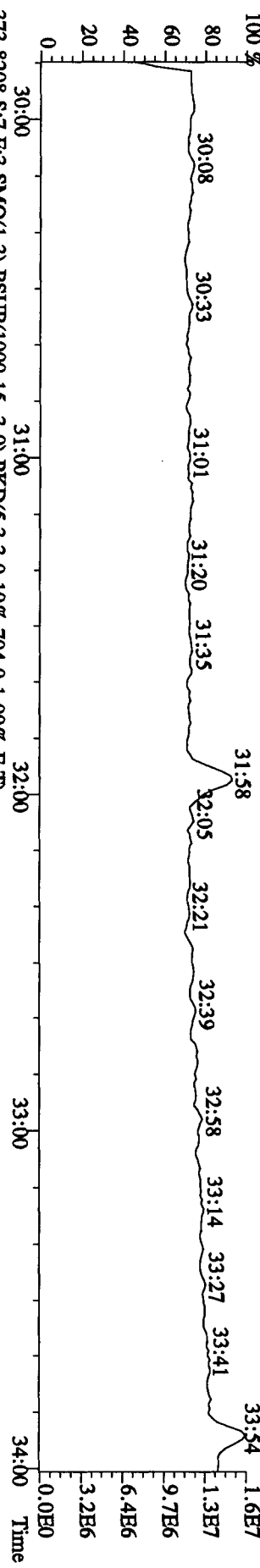
Sample#7 Text:LXM/T-1-AC :GOD080425-22 Exp:DIOXINRES8290A



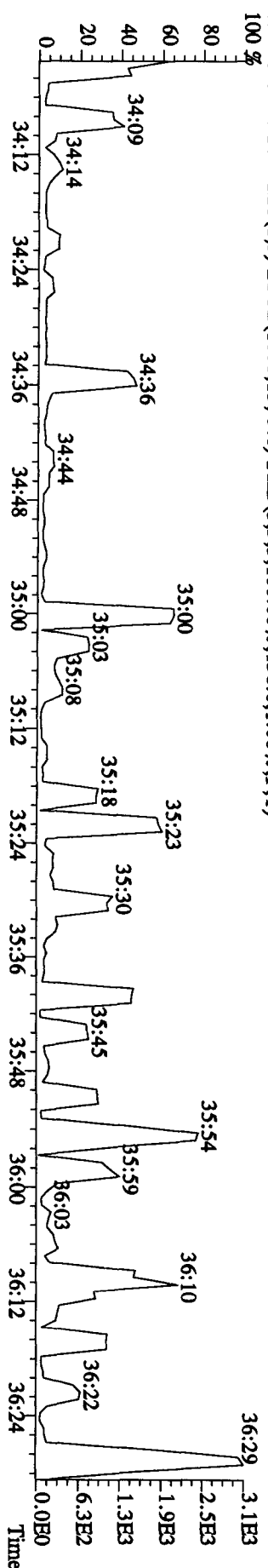
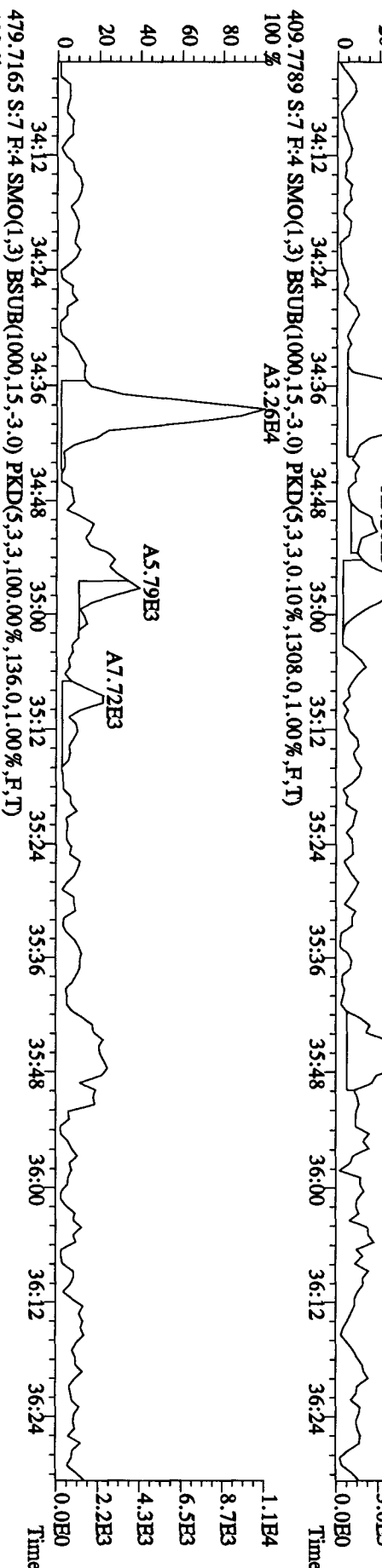
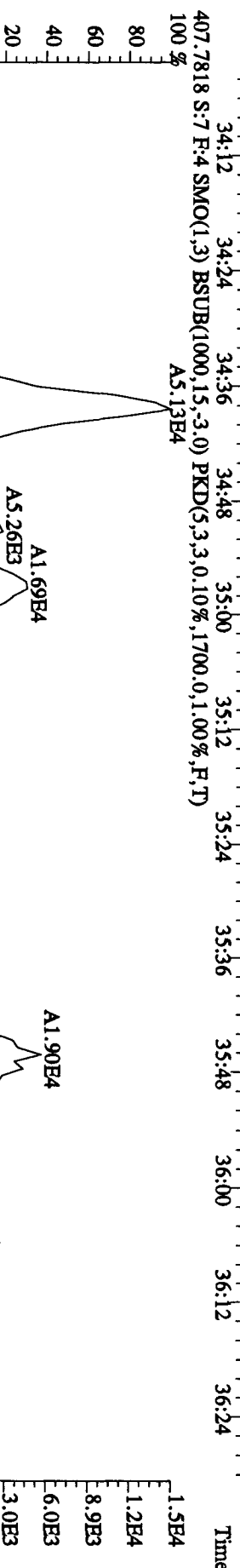
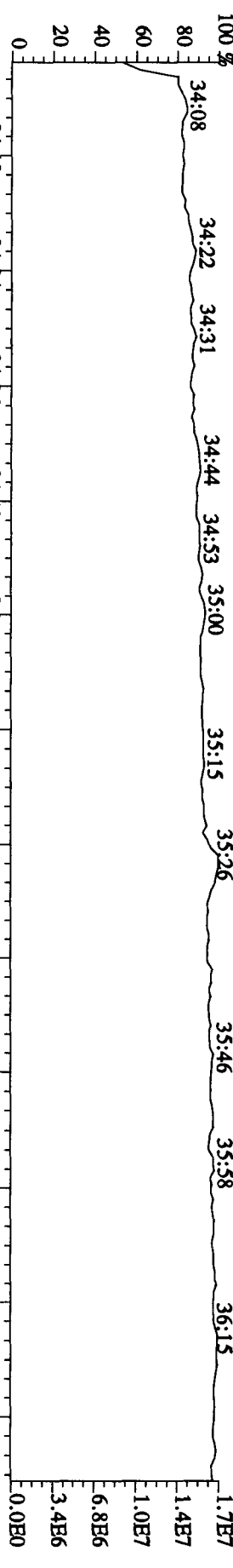
File:21AP104D5 #1-604 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltraB
 Sample#7 Text:LXMTT-1-AC :G0D080425-22 Exp:DIOXINRES8290A
 354.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 22:32 22:59 23:27 23:57 24:34 25:01 25:34 26:11 26:34 26:58 27:22 27:54 28:41 29:10 29:37



File:21AP104D5 #1-317 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UHlmab
 Sample#7 Text:LXMTT-1-AC :G0D080425-22 Exp:DIOXINRES8290A
 430.9728 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



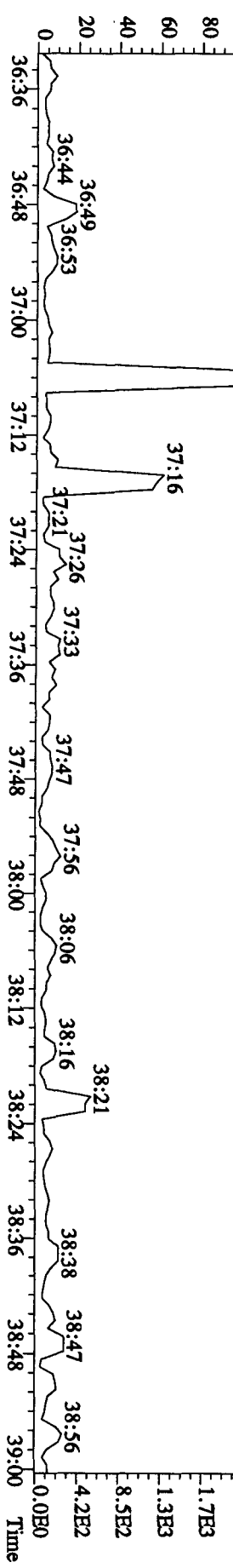
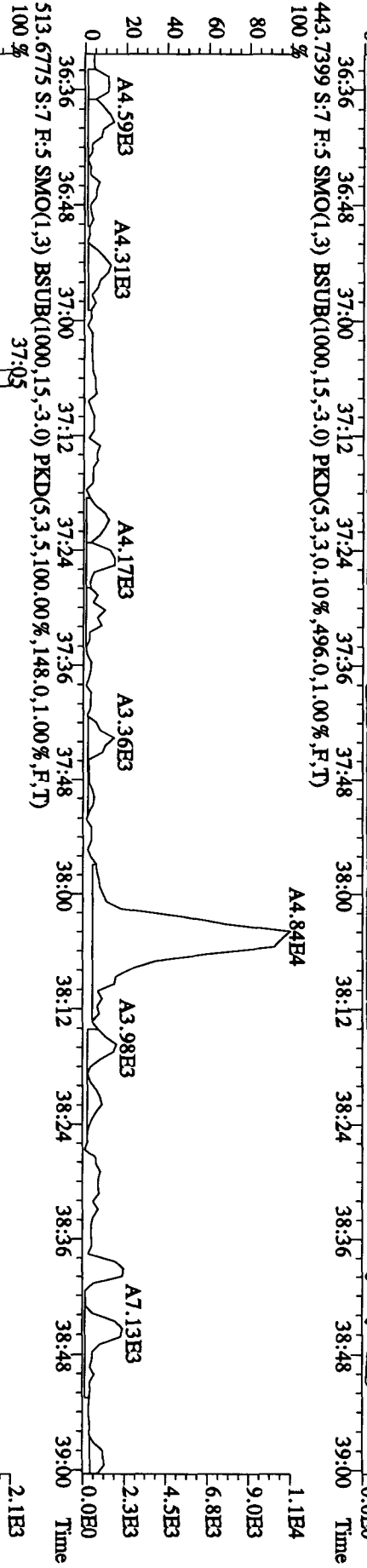
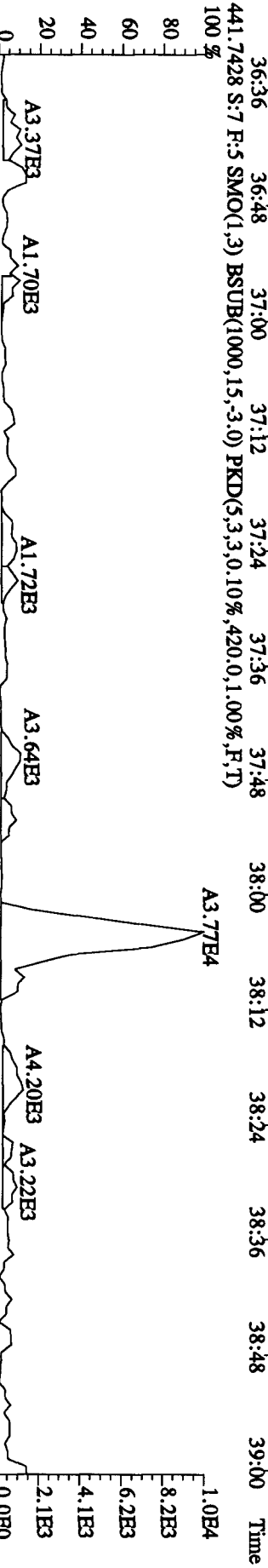
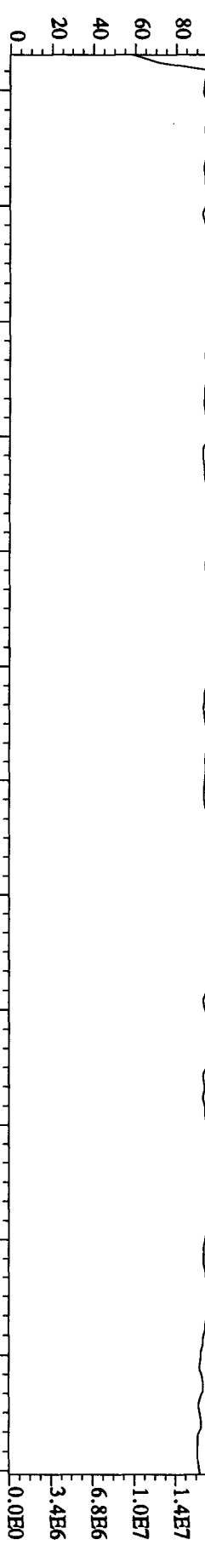
File:21AP104D5 #1-198 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UHhnaB
 Sample#7 Text:LXMTT-1-AC :G0D080425-22 Exp:DIOXINRES8290A
 430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:21AP104D5 #1-190 Acq:21-APR-2010 12:46:41 GC EI+ Voltage SIR Autospec-UltimaB

Sample#7 Text:IXMTT-1-AC :G0D080425-22 Exp:DIOXINRES8290A

442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 100% 36:38 36:54 37:11 37:22 37:34 37:44 37:55 38:03 38:14 38:29 38:43 38:52

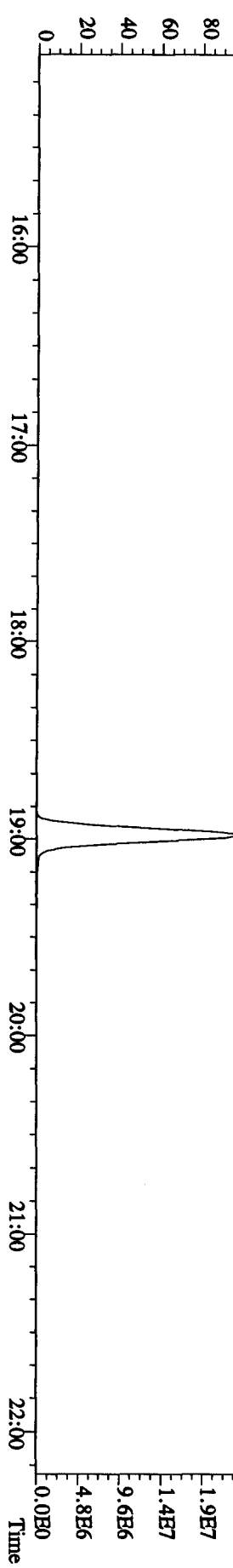
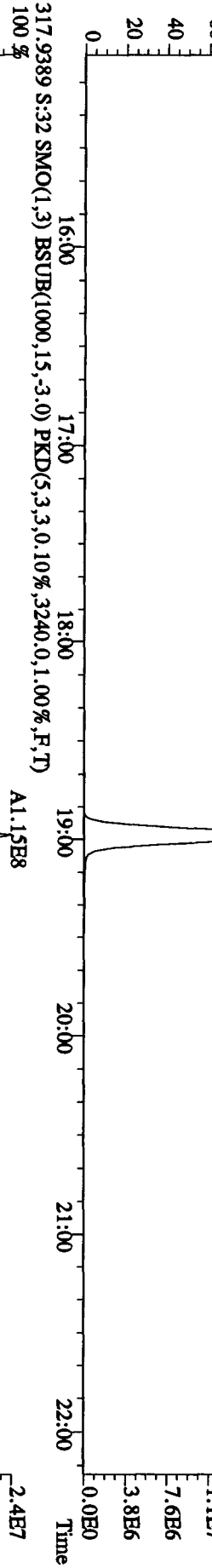
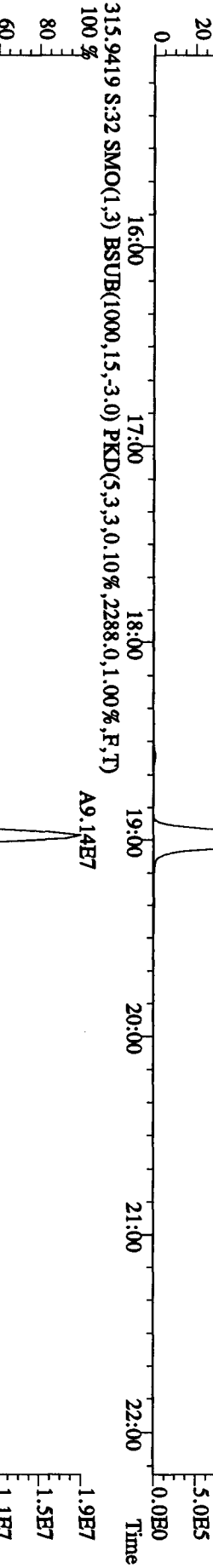
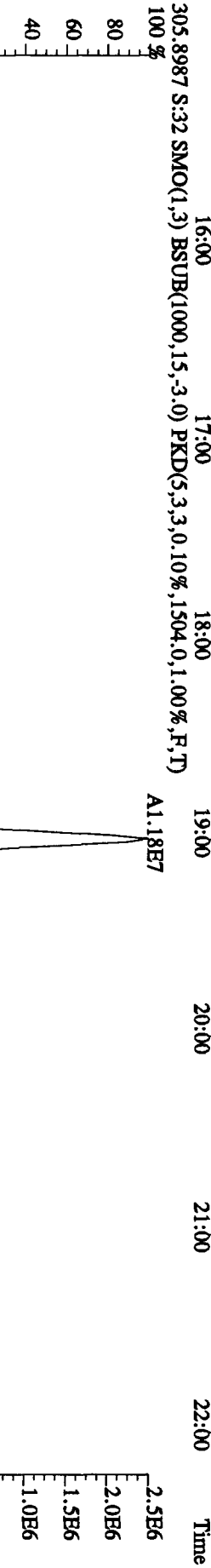
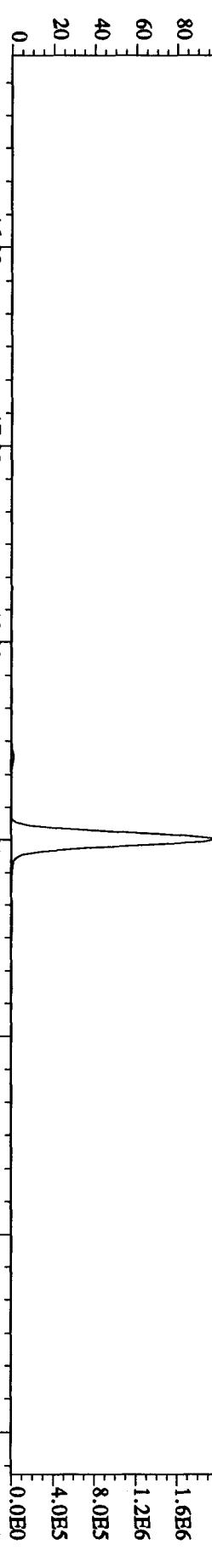


V8 4.25.6

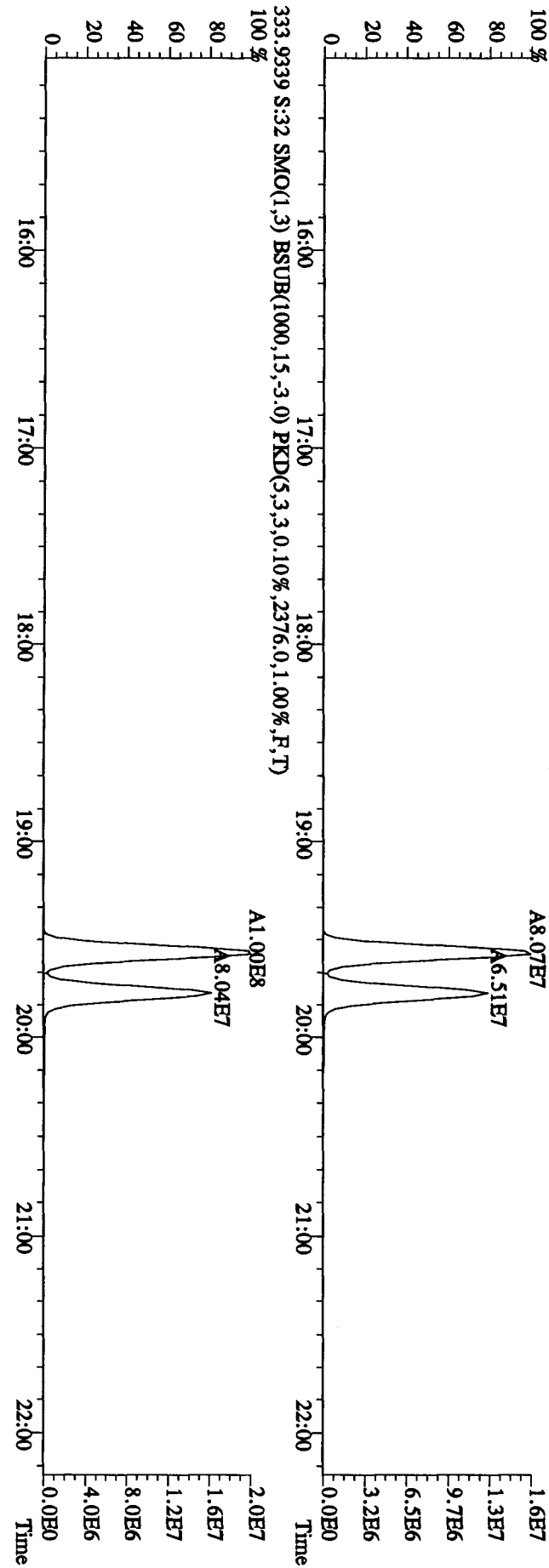
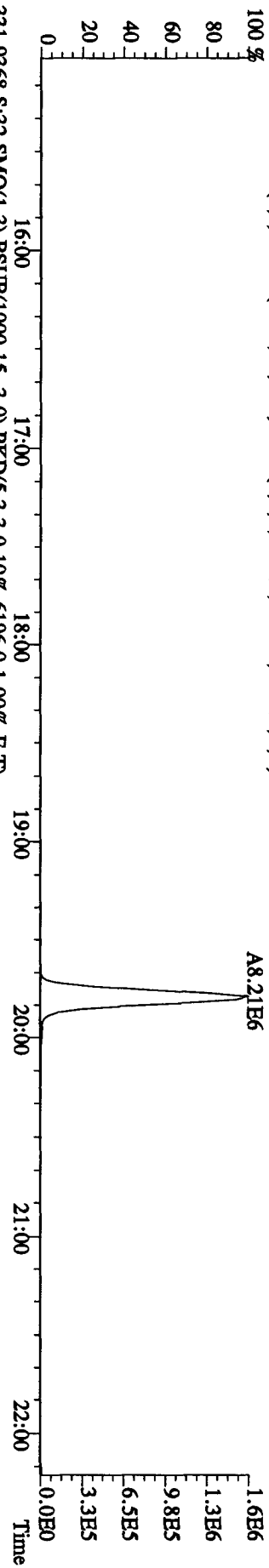
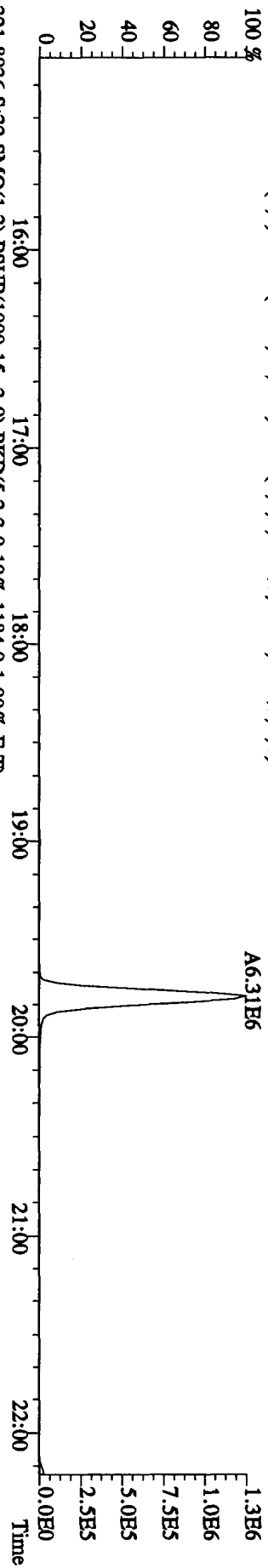
Run text: LXM7T-1-AED Sample text: LXM7T-1-AED :G0D080425-22D
 Run #33 Filename: 21AP10B4D5 S: 32 I: 1 Results: 21AP10B4D58290A
 Acquired: 22-APR-10 19:51:18 Processed: 23-APR-10 08:46:03
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.38 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	180919500	0.80 y	19:34	-	13.1011	-	-	n
13C-2,3,7,8-TCDF	206301500	0.80 y	18:59	1.52	144.4759	0.0581	75.0	n
2,3,7,8-TCDF	21375080	0.81 y	19:00	0.95	21.1184 B	0.0330	-	n
Total TCDF	21716244	0.80 y	16:50	0.95	21.4555	0.0330	-	n
13C-2,3,7,8-TCDD	145511300	0.81 y	19:46	0.95	163.1786	0.1443	84.7	n
2,3,7,8-TCDD	14511720	0.77 y	19:47	1.02	18.8201 B	0.0339	-	n
Total TCDD	14583368	2.06 n	19:00	1.02	18.9130	0.0339	-	n
37Cl-2,3,7,8-TCDD	139812800	1.00 y	19:47	2.26	65.8470	0.0207	85.4	n
13C-1,2,3,7,8-PeCDF	140275800	1.57 y	24:40	1.05	142.2350	0.0885	73.8	n
1,2,3,7,8-PeCDF	77794100	1.56 y	24:42	1.04	102.2777 B	0.1316	-	n
2,3,4,7,8-PeCDF	76371000	1.57 y	26:12	0.98	106.8072 B	0.1400	-	n
Total F2 PeCDF	155995298	1.60 y	23:08	1.01	211.5655	0.1356	-	n
Total F1 PeCDF	72184	0.28 n	15:25	1.01	0.0978	0.0207	-	n
13C-1,2,3,7,8-PeCDD	95280100	1.62 y	27:00	0.67	151.3461	0.0044	78.5	n
1,2,3,7,8-PeCDD	48197500	1.60 y	27:02	0.98	99.2607	0.0689	-	n
Total PeCDD	48197500	1.60 y	27:02	0.98	99.2607	0.0689	-	n
13C-1,2,3,7,8,9-HxCDD	138152700	1.25 y	33:07	-	12.9524	-	-	n
13C-1,2,3,4,7,8-HxCDF	79980200	0.51 y	31:58	1.02	108.8404	0.0219	56.5	n
1,2,3,4,7,8-HxCDF	60707300	1.24 y	31:59	1.21	120.6054 B	0.0350	-	n
1,2,3,6,7,8-HxCDF	63811600	1.25 y	32:05	1.34	114.4833	0.0316	-	n
2,3,4,6,7,8-HxCDF	63137100	1.24 y	32:39	1.22	124.4418	0.0347	-	n
1,2,3,7,8,9-HxCDF	61084000	1.27 y	33:18	1.09	134.7008	0.0389	-	n
Total HxCDF	248853821	1.01 n	30:51	1.22	494.4566	0.0349	-	n
13C-1,2,3,6,7,8-HxCDD	65794600	1.28 y	32:51	0.81	113.6982	0.0029	59.0	n
1,2,3,4,7,8-HxCDD	40977400	1.27 y	32:48	1.01	119.1964	0.0430	-	n
1,2,3,6,7,8-HxCDD	44394000	1.30 y	32:52	1.11	116.7120	0.0388	-	n
1,2,3,7,8,9-HxCDD	48071100	1.28 y	33:08	1.21	116.4367	0.0358	-	n
Total HxCDD	133442500	1.27 y	32:48	1.11	352.3451	0.0390	-	n
13C-1,2,3,4,6,7,8-HpCDF	43193900	0.43 y	34:38	0.86	69.8379	0.2380	36.2	n
1,2,3,4,6,7,8-HpCDF	40864100	0.95 y	34:38	1.31	139.1834 B	0.3572	-	n
1,2,3,4,7,8,9-HpCDF	39343900	0.93 y	35:46	1.03	171.1178	0.4561	-	n
Total HpCDF	80466382	0.95 y	34:38	1.17	311.2882	0.4006	-	n
13C-1,2,3,4,6,7,8-HpCDD	41752900	1.07 y	35:26	0.70	83.4870	0.1156	43.3	n
1,2,3,4,6,7,8-HpCDD	30865500	1.02 y	35:27	1.07	132.8874 B	0.2407	-	n
Total HpCDD	31018276	1.01 y	34:53	1.07	133.5452	0.2407	-	n
13C-OCDD	41211100	0.88 y	37:56	0.53	108.1625	0.0074	28.1	n
OCDF	56427900	0.91 y	38:04	1.45	365.0632 B	0.1152	-	n
OCDD	42791100	0.89 y	37:57	1.17	343.0916 B	0.1943	-	n

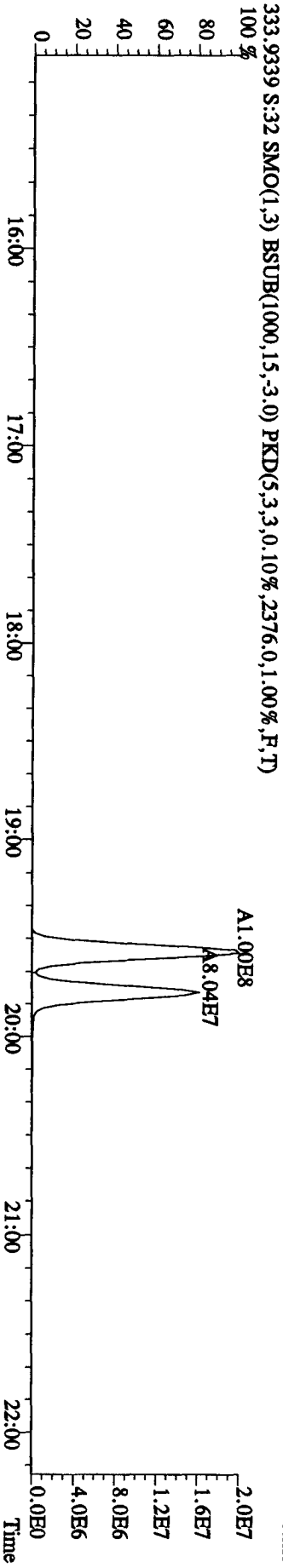
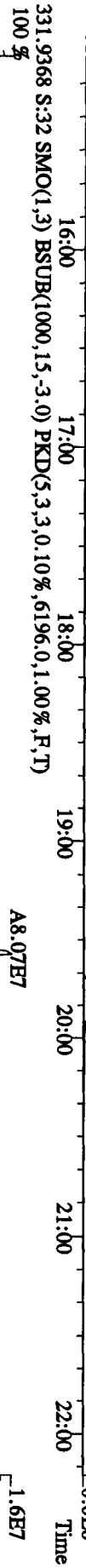
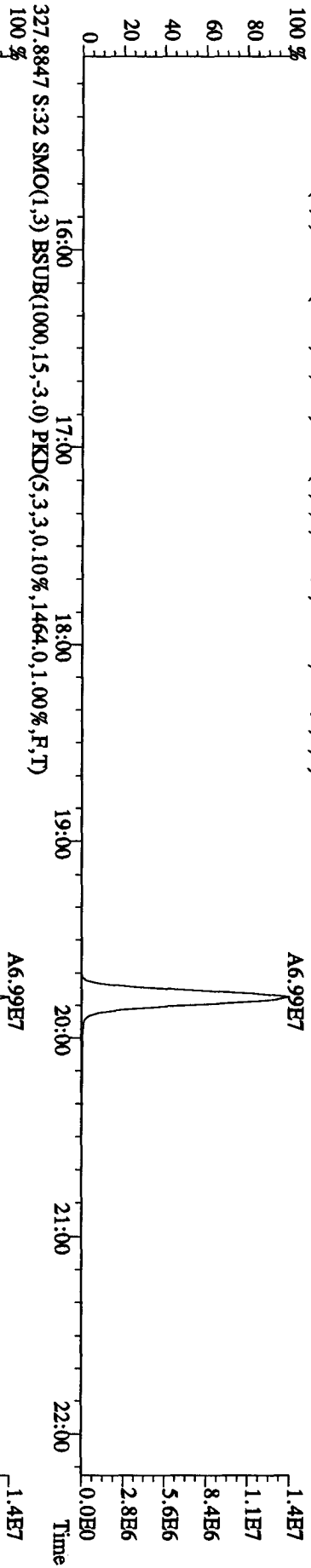
File:21AP10B4D5 #1-434 Acq:22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#32 Text:LXM7T-1-AED :G0D080425-22D Exp:DIOXINRES8290A
 303.9016 S:32 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,812.0,1.00%,F,T) 100%



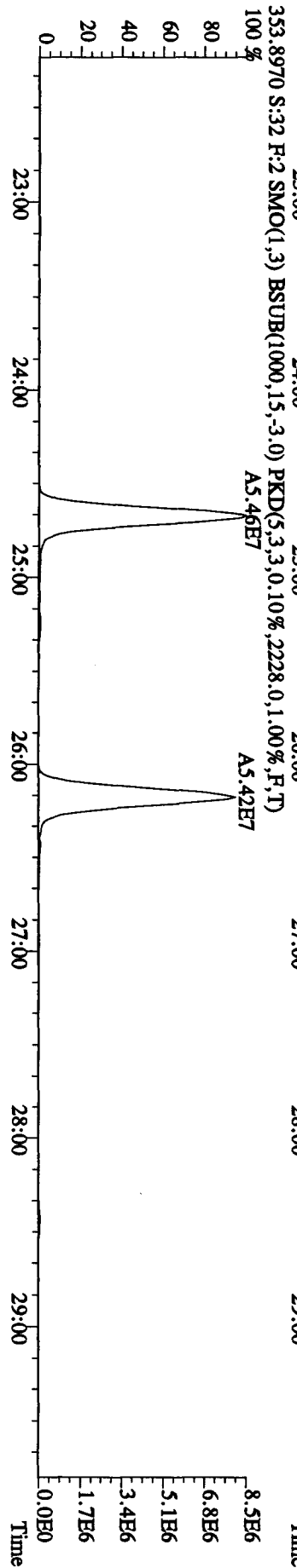
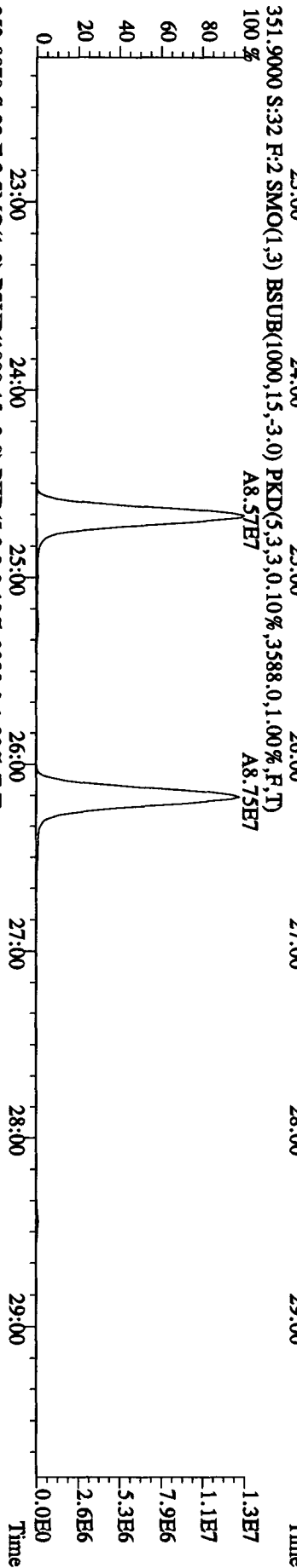
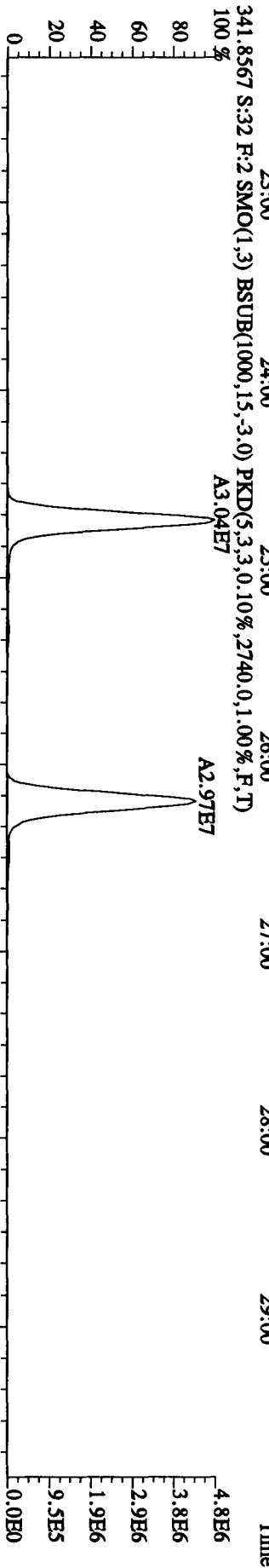
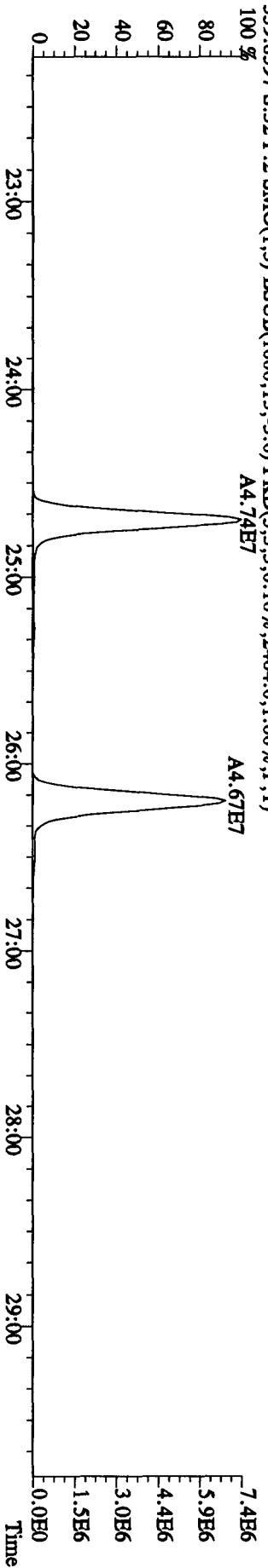
File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#32 Text: LXM7T-1-AED :G0D080425-22ID Exp: DIOXINRES8290A
 319.8965 S:32 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,548,0,1,00%,F,T) 100%



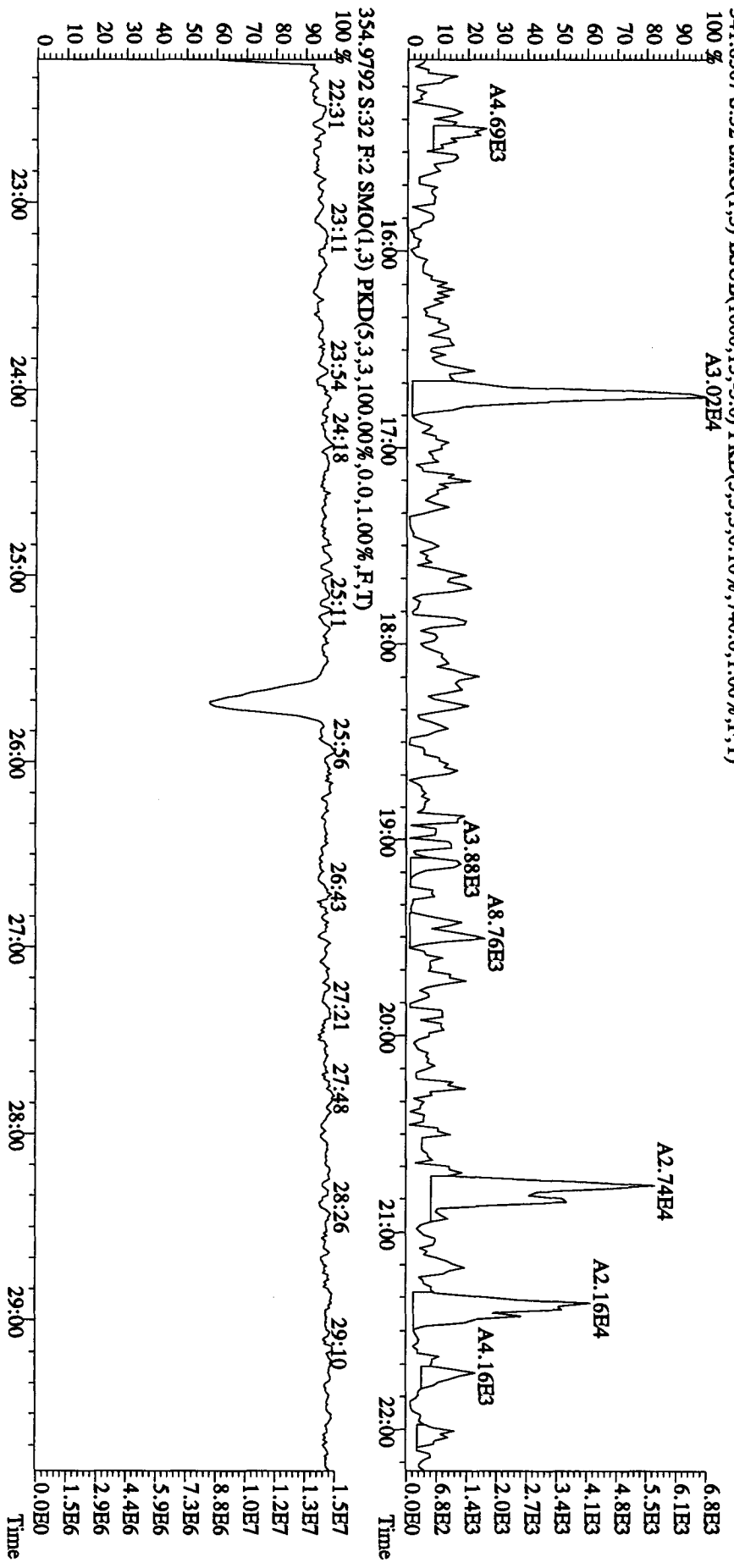
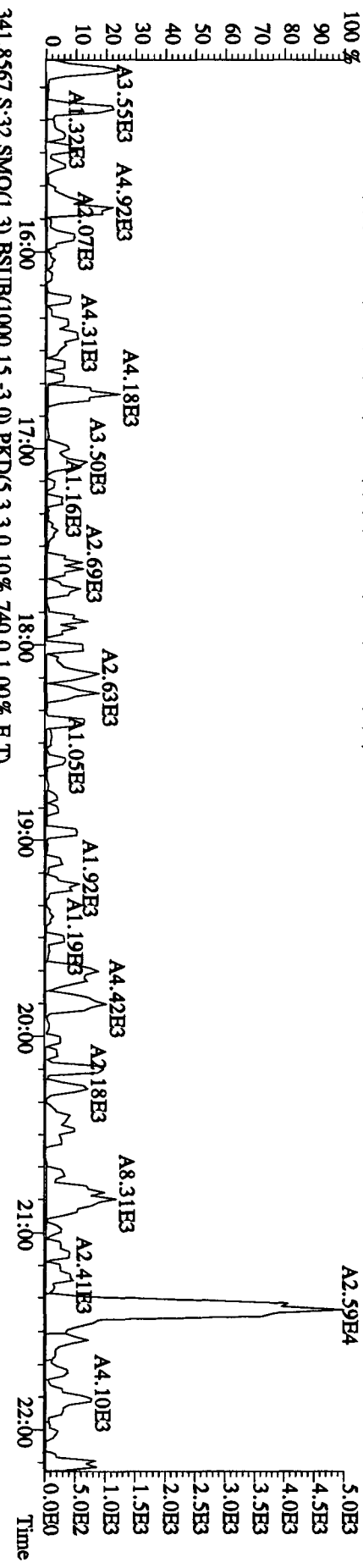
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 Sample#32 Text:LXM7T-1-AED :G0D080425-22ID Exp:DIOXINRES8290A
 327.8847 S:32 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1464,0,1.00%,F,T) 100%



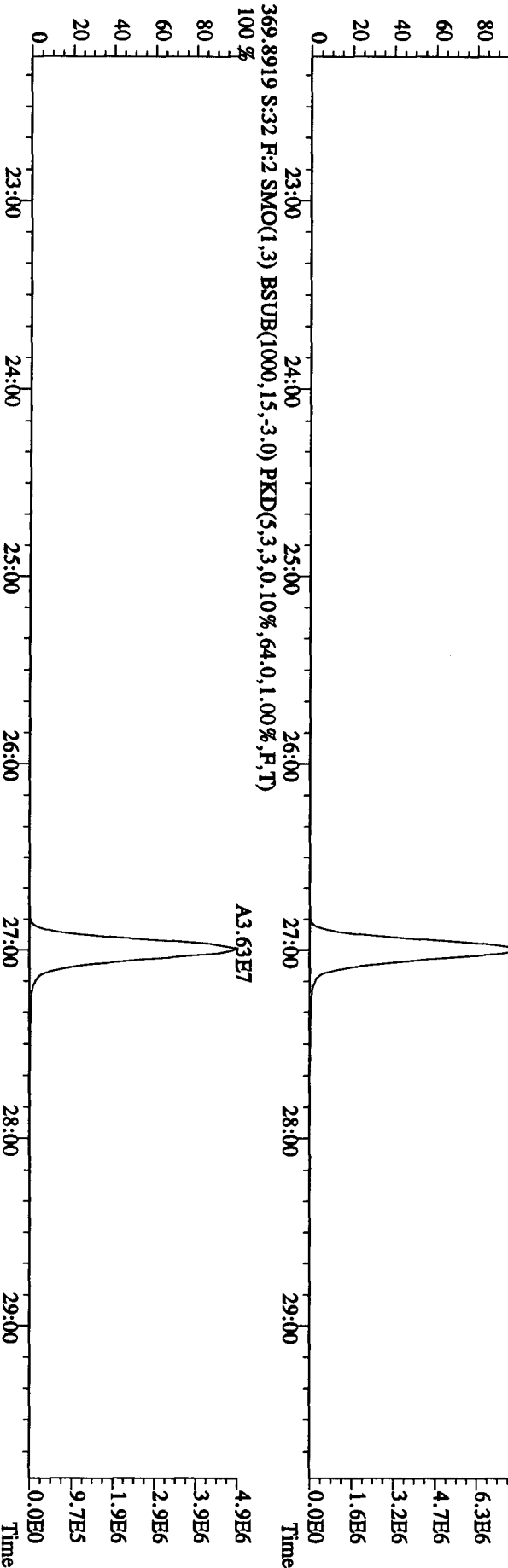
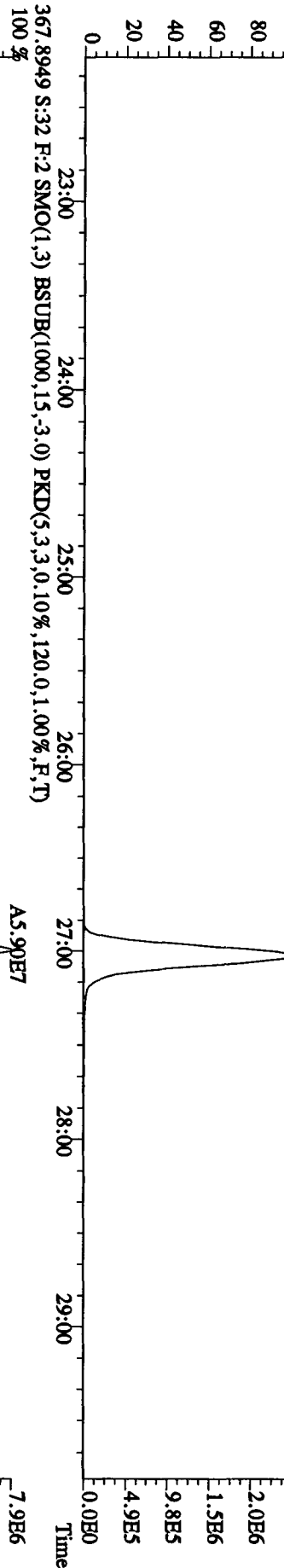
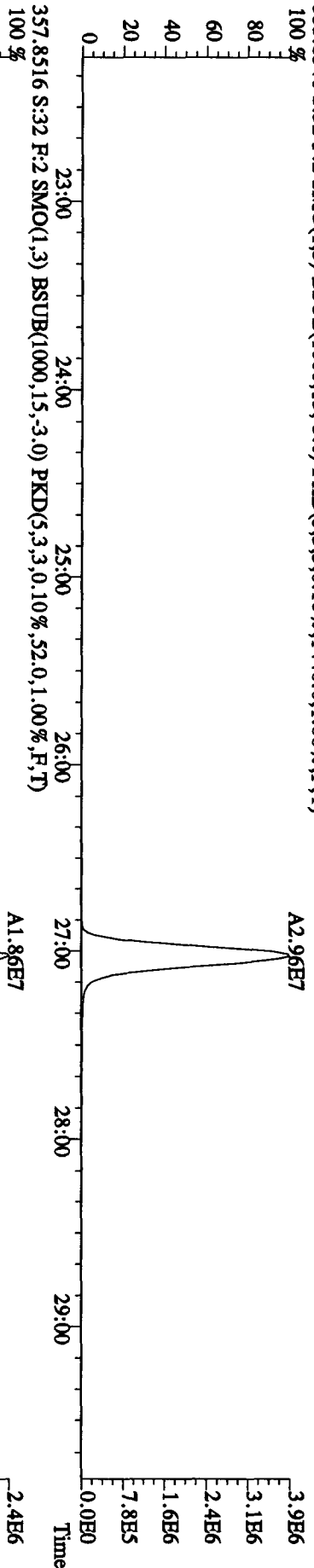
File:21AD10B4D5 #1-604 Acq:22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#32 Text:LXM/T-1-ABD :G0D080425-22D Exp:DIOXINRES8290A
 339.8597 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)
 100 %



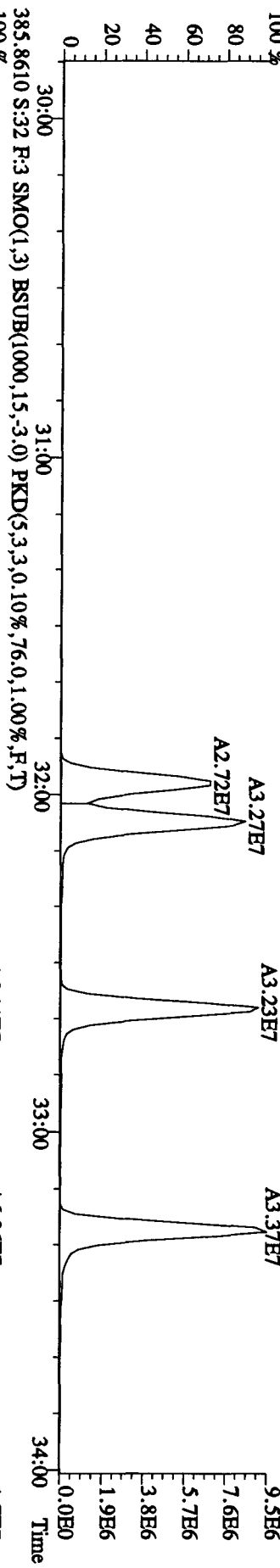
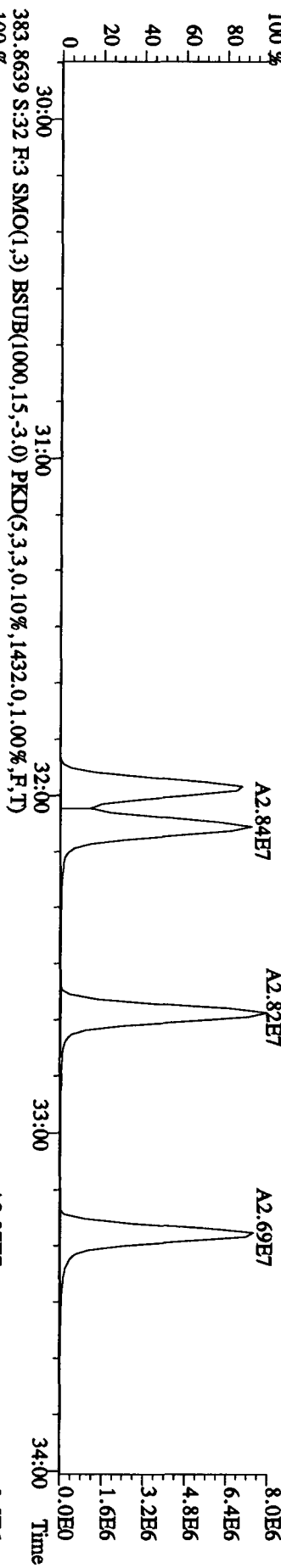
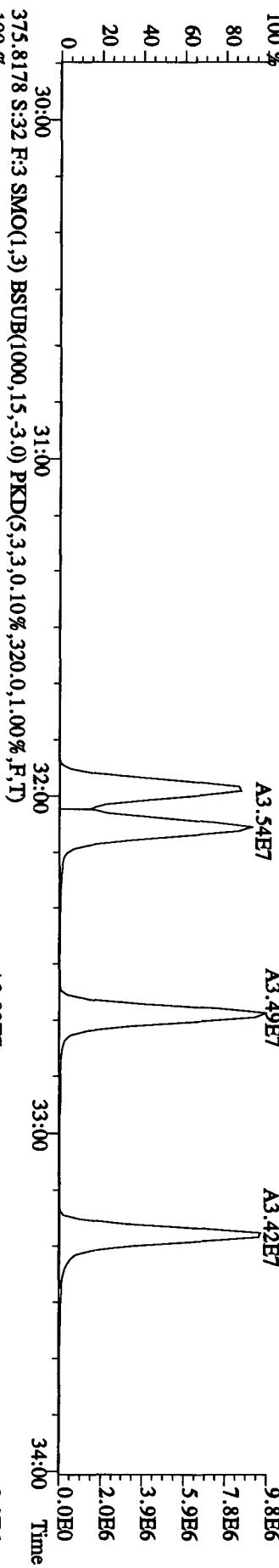
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 Sample#32 Text:LXM7T-1-AED :G0D080425-22D Exp:DIOXINRES6290A
 339.8597 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)



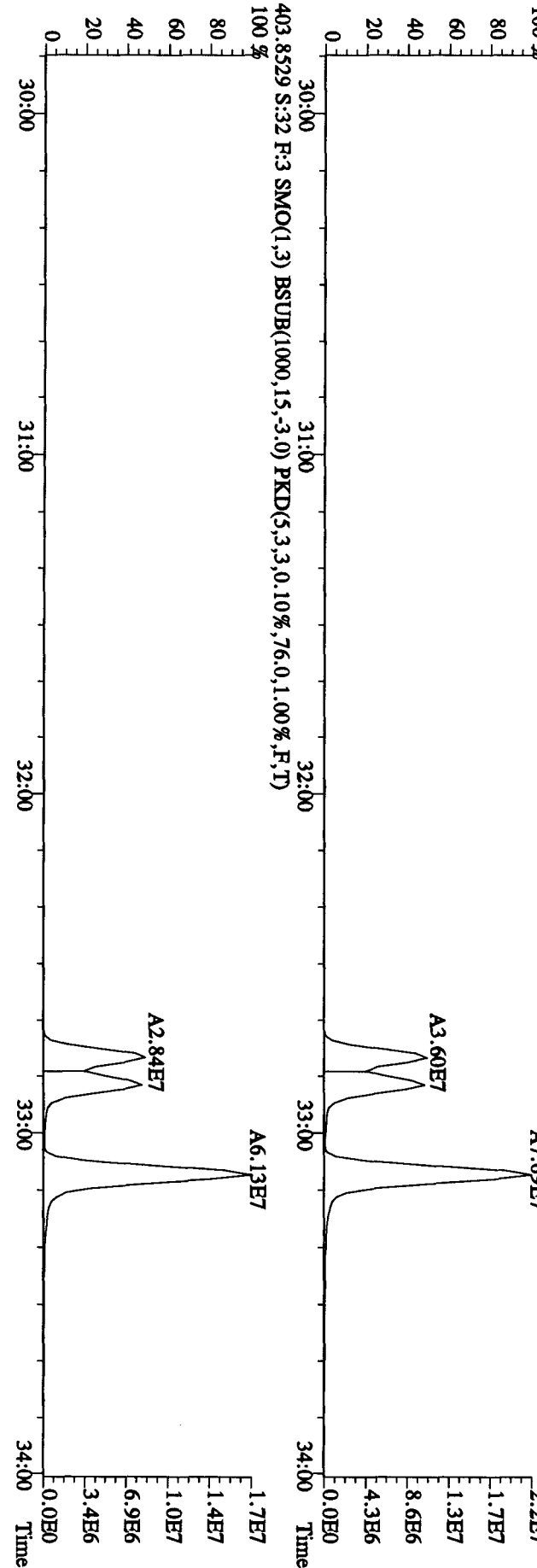
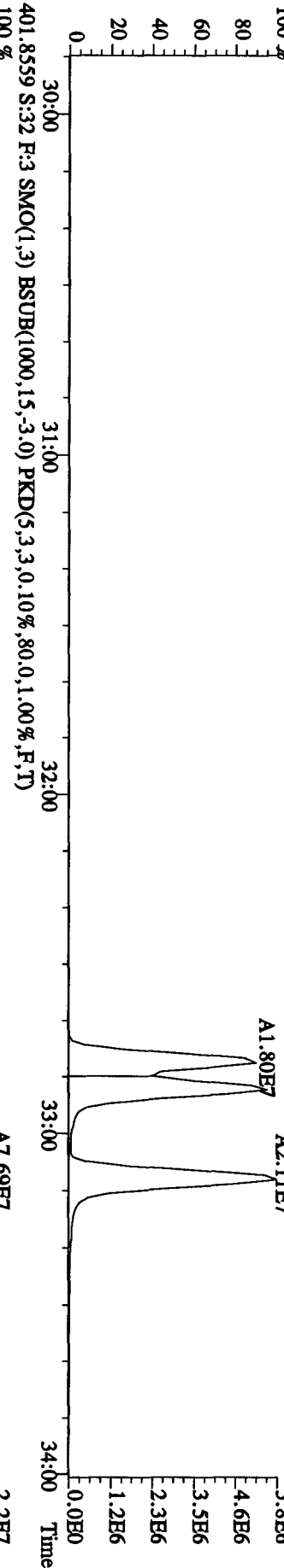
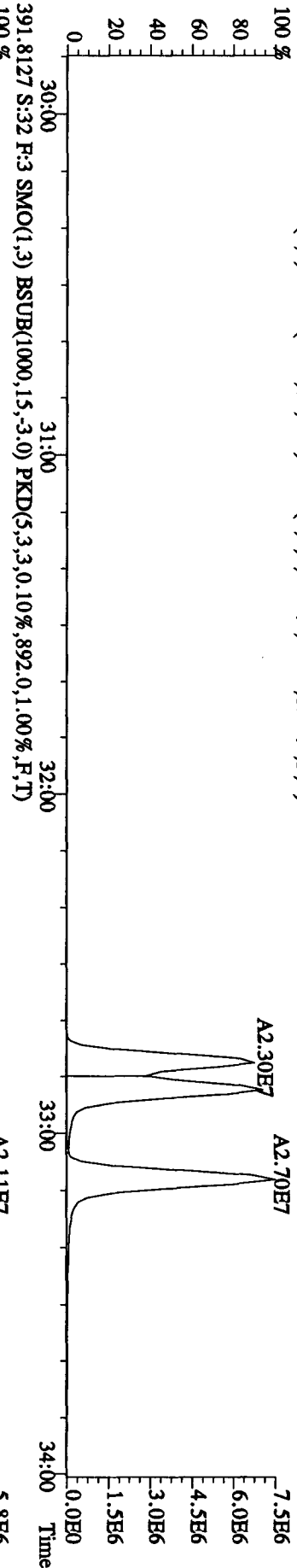
File:21AP10B4D5 #1-604 Acq:22-APR-2010 19:51:18 GC EI + Voltage SIR Autospec-UltimaE
 Sample#32 Text:LXMTT-1-ABD :G0D080425-22D Exp:DIOXINRES8290A
 355.8546 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1440.0,1.00%,F,T)



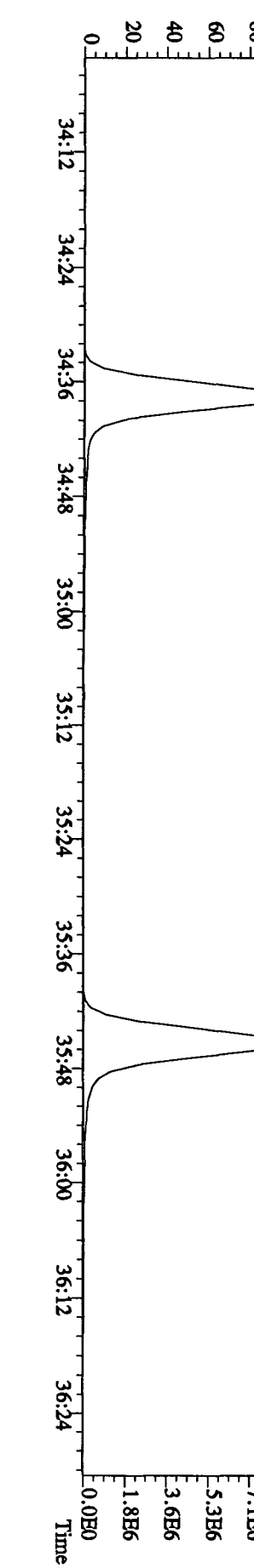
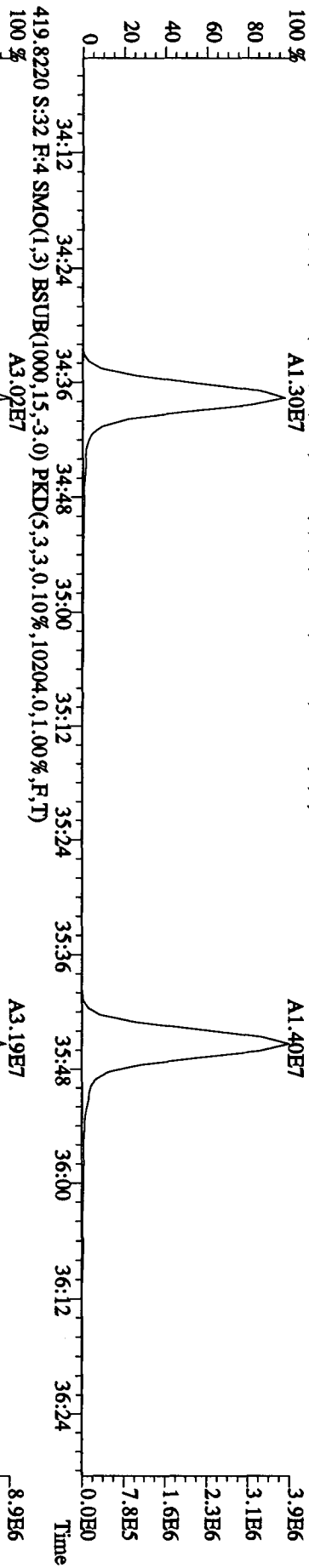
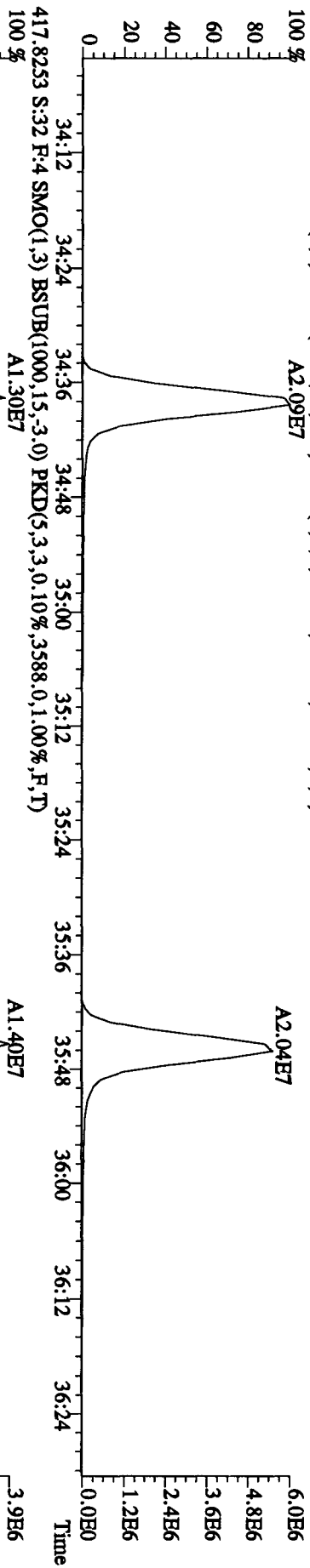
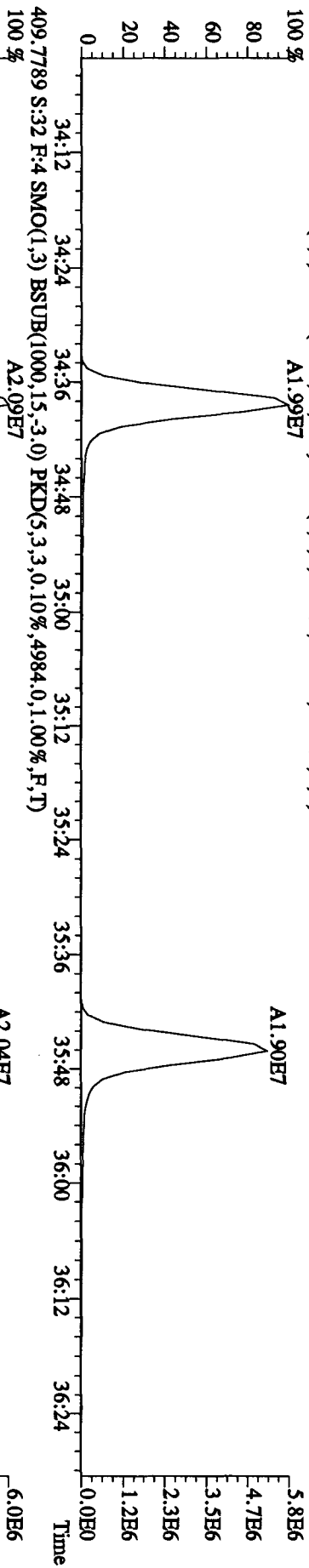
File:21AP10B4D5 #1-317 Acq:22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#32 Text:LXMTT-1-AED :G0D080425-22D Exp:DIOXTNRES8290A
 373.8208 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1172.0,1.00%,F,T)



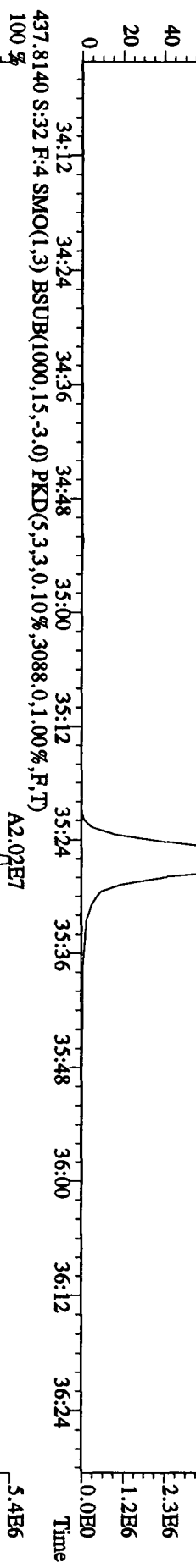
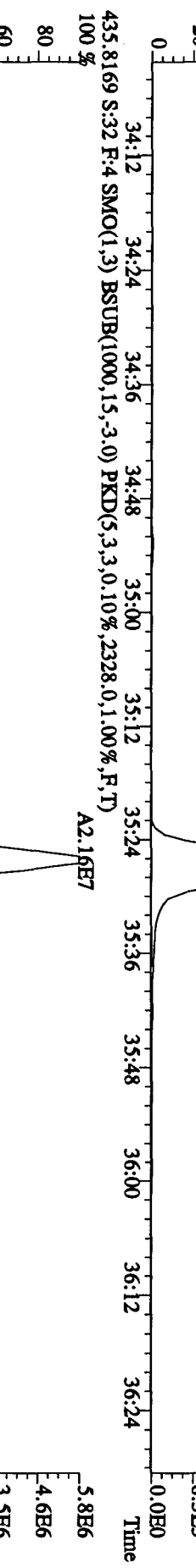
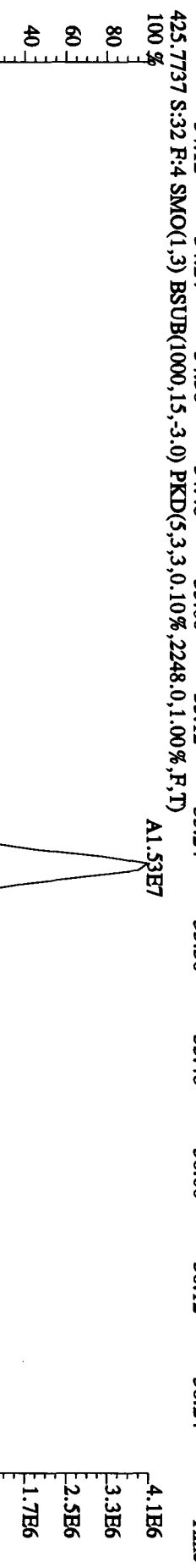
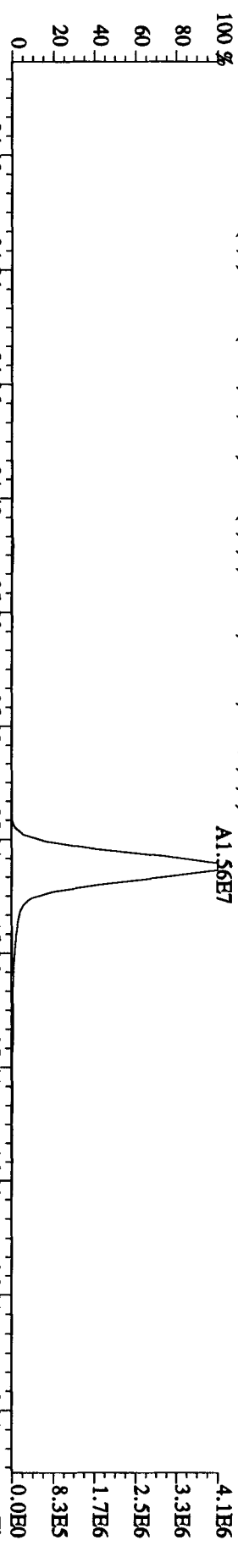
File:21AP10B4D5 #1-317 Acq:22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#32 Text:LXM7T-1-ABD :G0D080425-22D Exp:DIOXINRES8290A
 389.8157 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,504.0,1.00%,F,T)
 100 %



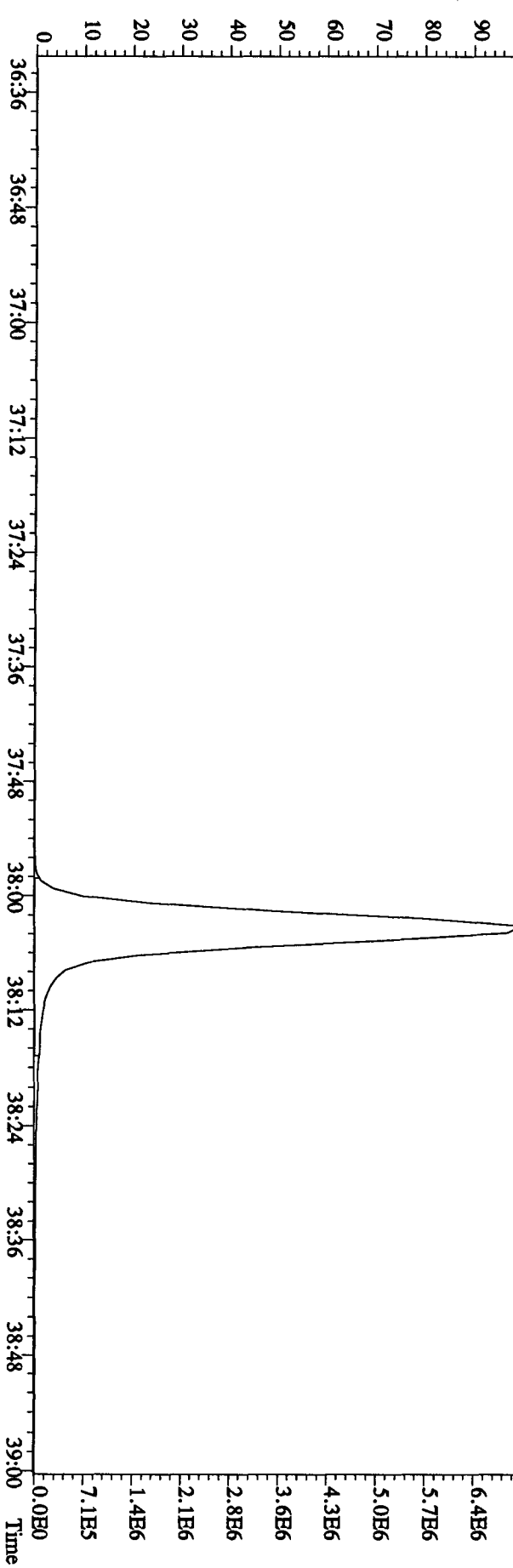
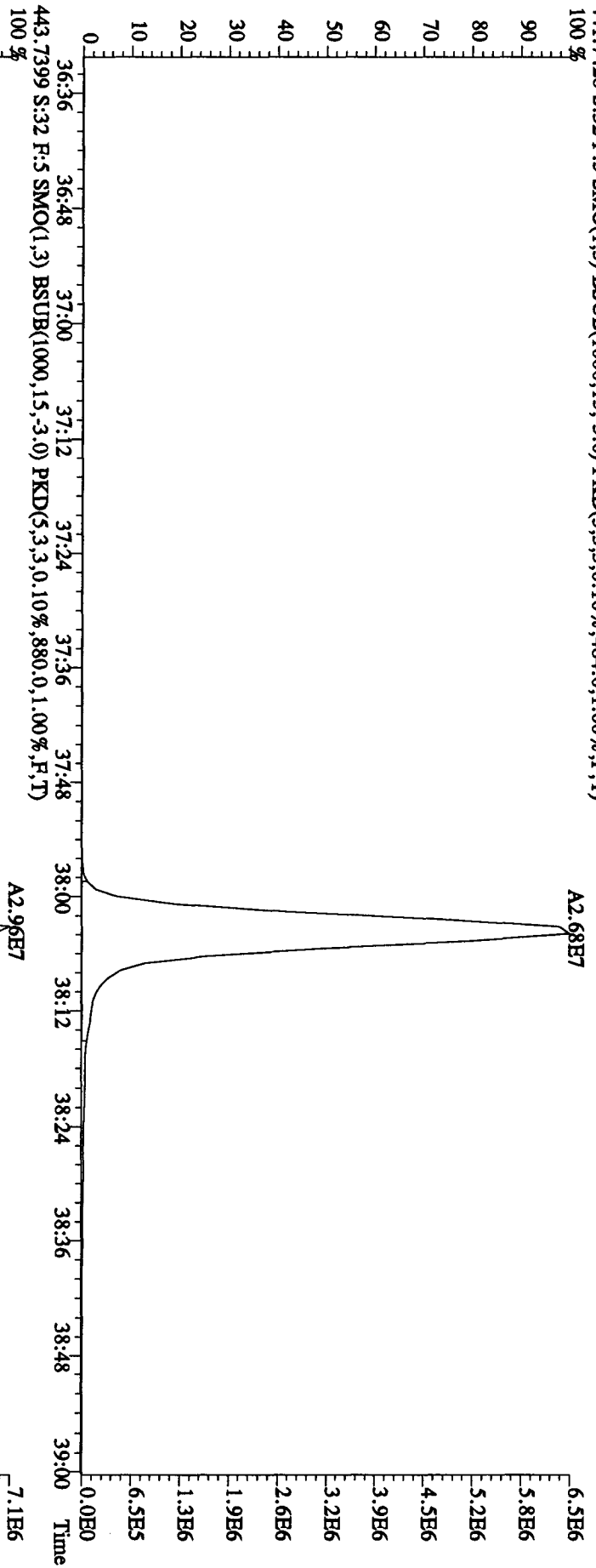
File:21AP10B4D5 #1-198 Acq:22-APR-2010 19:51:18 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#32 Text:LXM7T-1-AED :G0D080425-22D Exp.:DIOXINRES8290A
 407.7818 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5272.0,1.00%,F,T)
 100 %



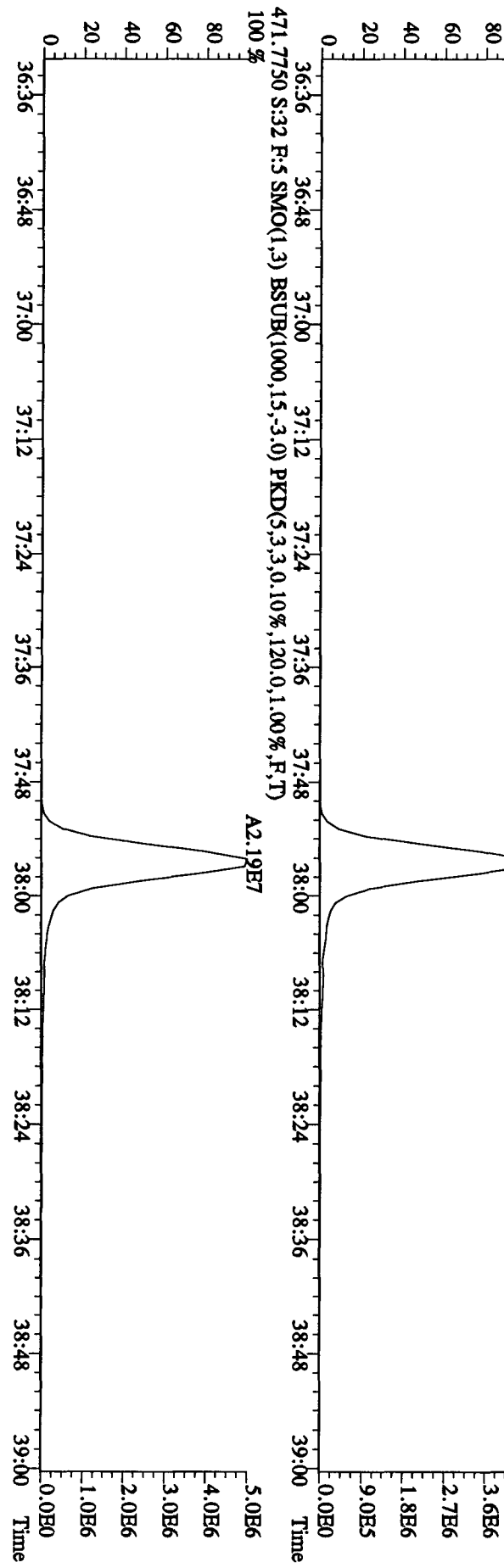
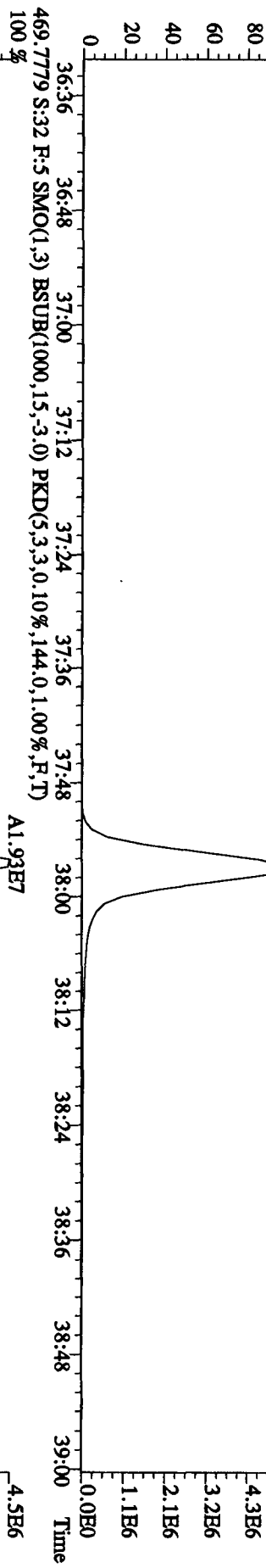
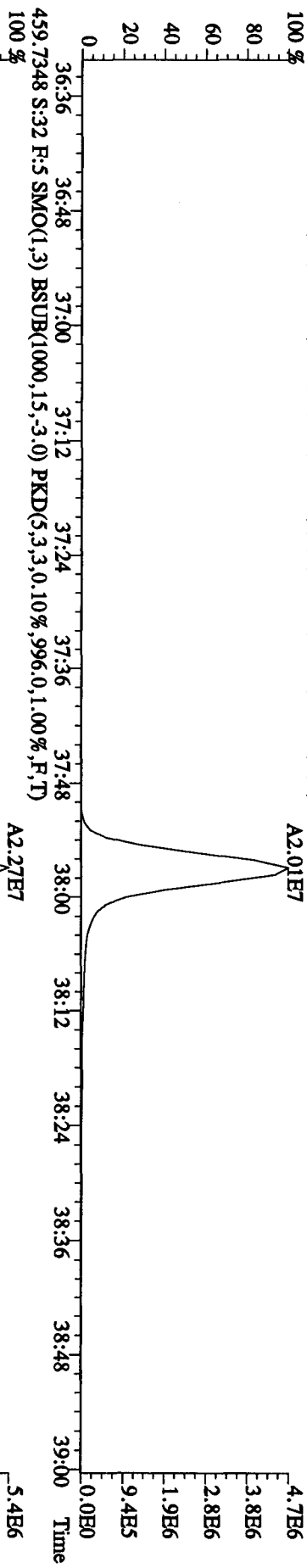
File:21ADP10B4D5 #1-198 Acq:22-APR-2010 19:51:18 GC BI+ Voltage SIR Autospec-UltimaE
 Sample#32 Text:LXM7T-1-ABD :G0D080425-22D Exp:DIOXINRES8290A
 423.7766 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2756.0,1.00%,F,T)

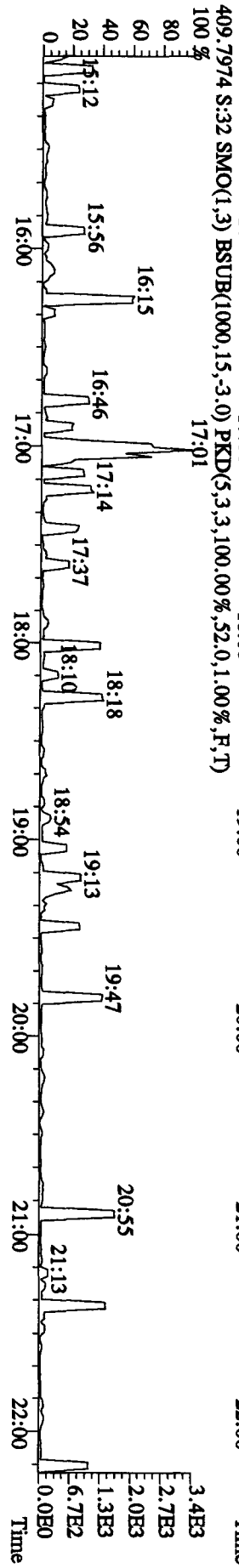
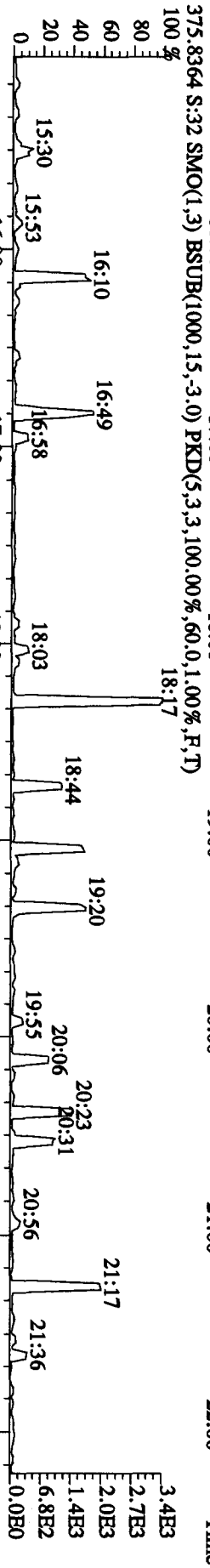
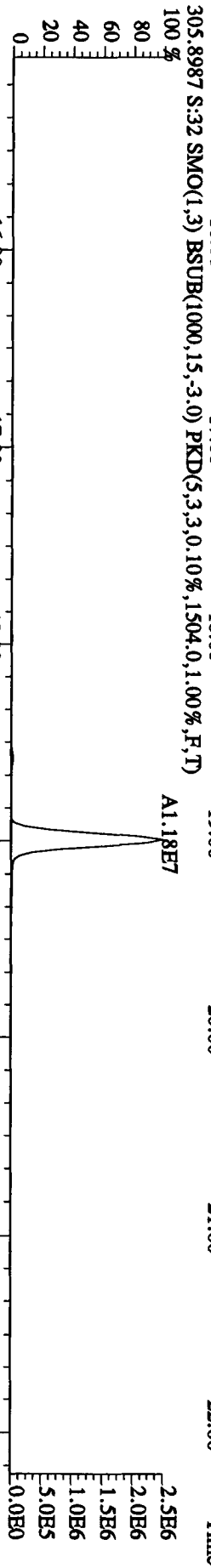
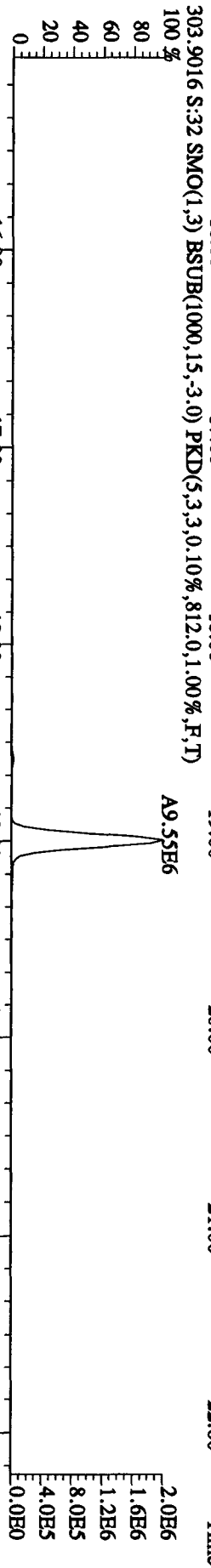
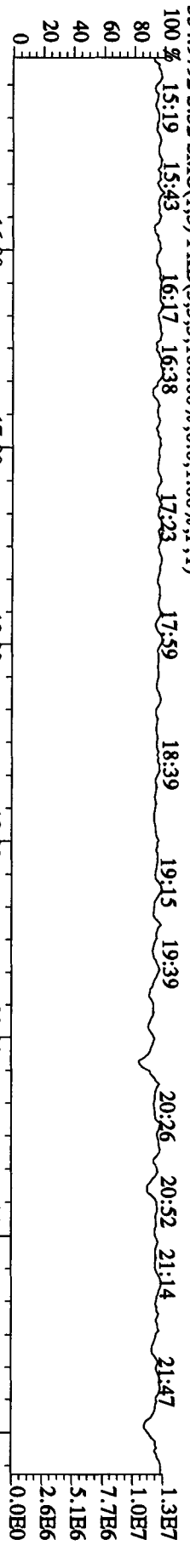


File:21ADP10B4D5 #1-190 Acq:22-APR-2010 19:51:18 GC BI + Voltage SIR Autospec-Ultimate
Sample#32 Text:LXM/7T-1-AED :G0D080425-22D Exp:DIOXINRESS8290A
441.7428 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,484.0,1.00%,F,T)

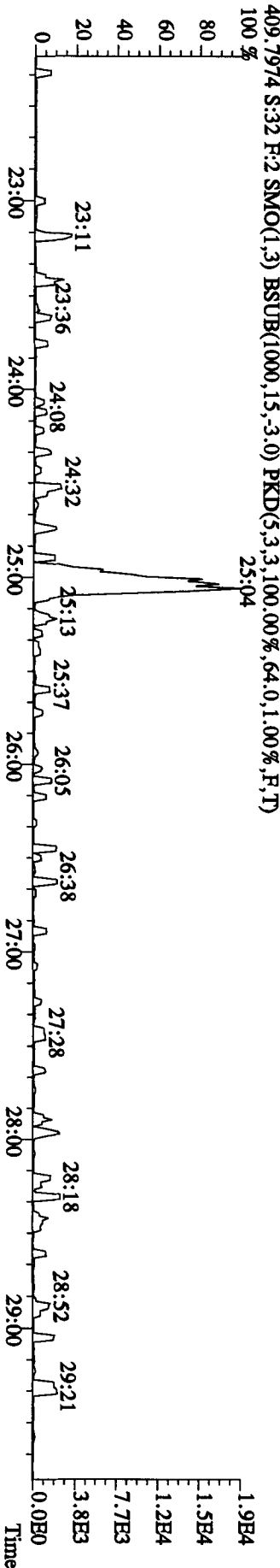
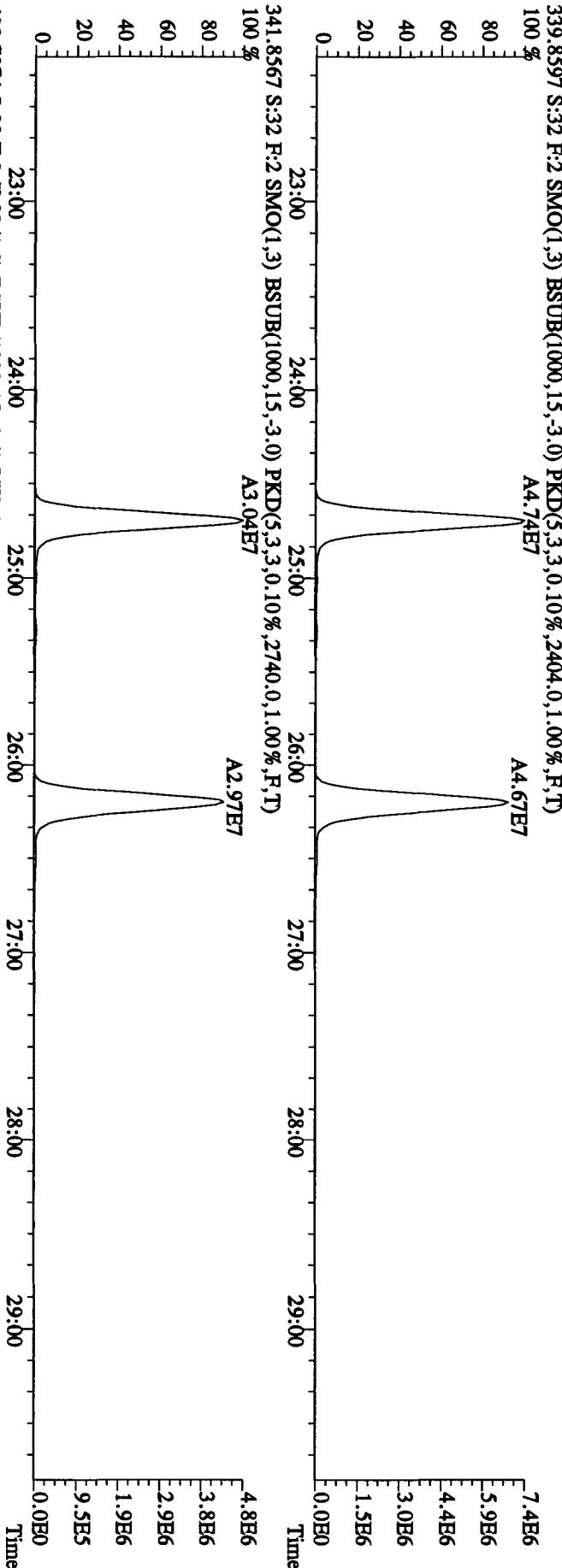
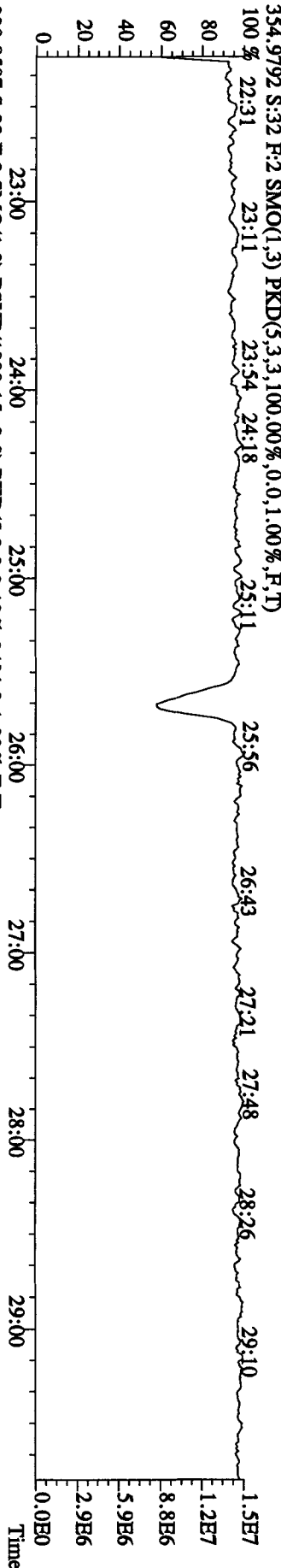


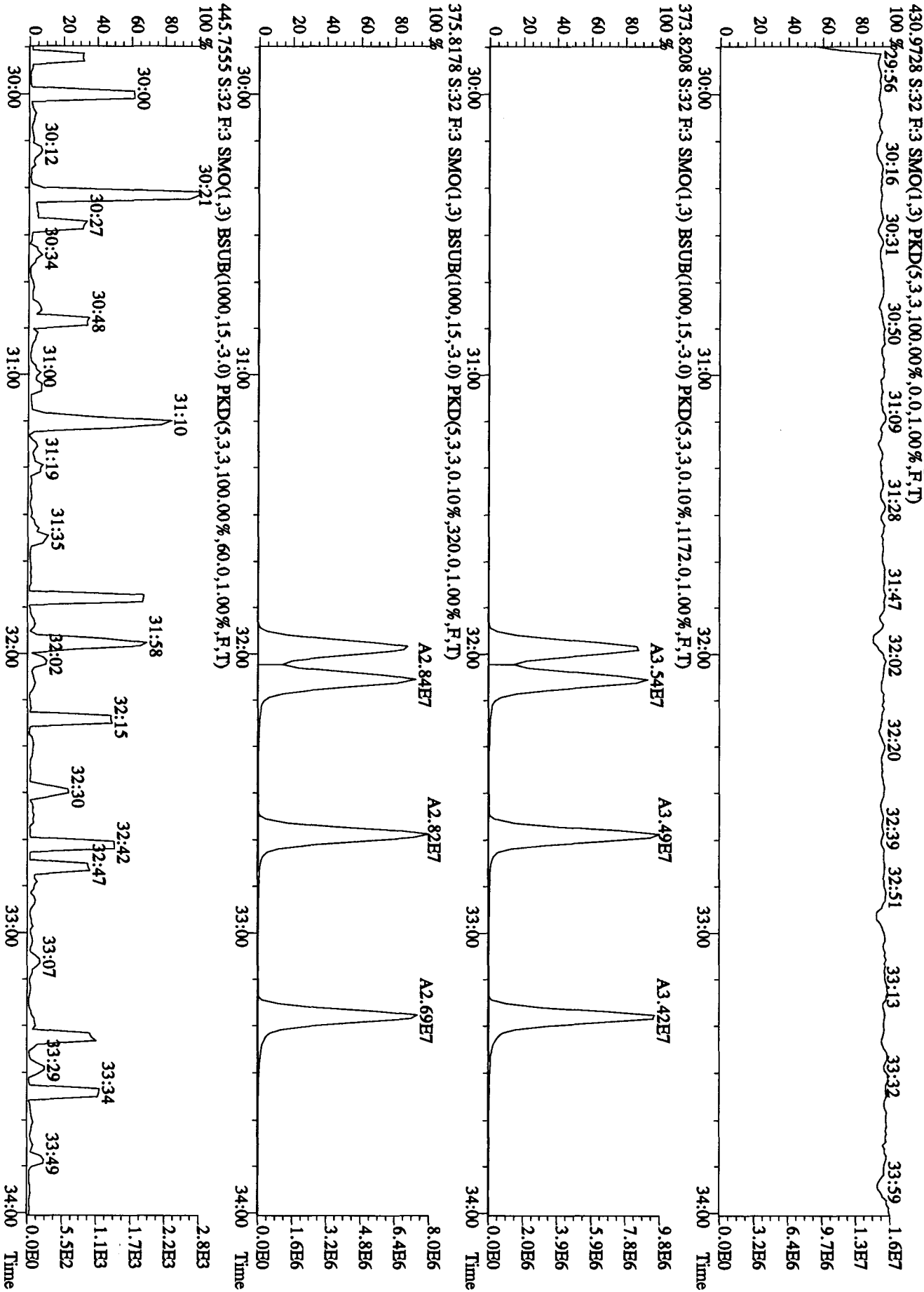
File:21AD10B4D5 #1-190 Acq:22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#32 Text:LXM7T-1-AED :G0D080425-22D Exp:DIOXINRES8290A
 457.7377 S:32 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,860,0,1,00%,F,T)



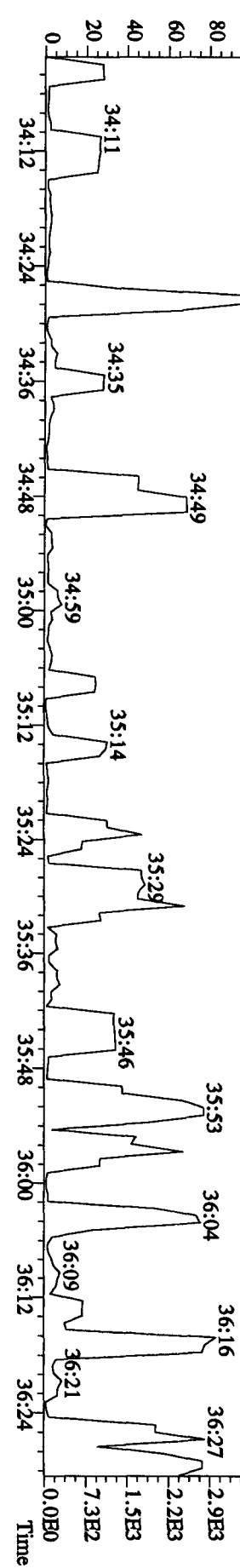
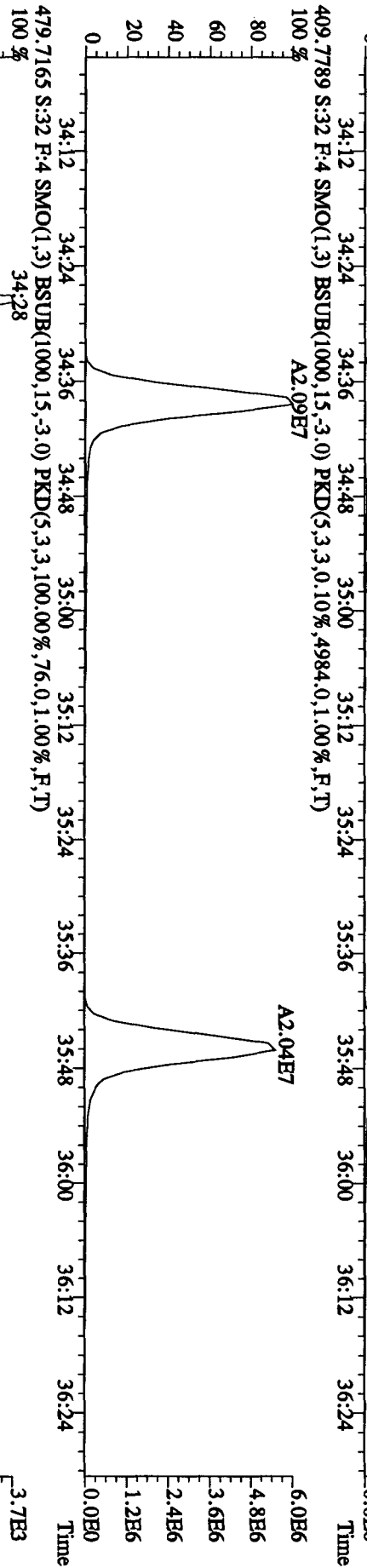
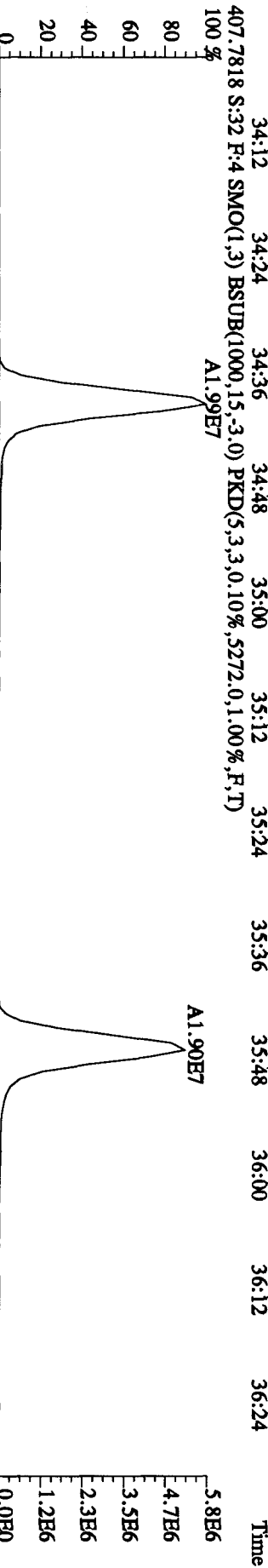
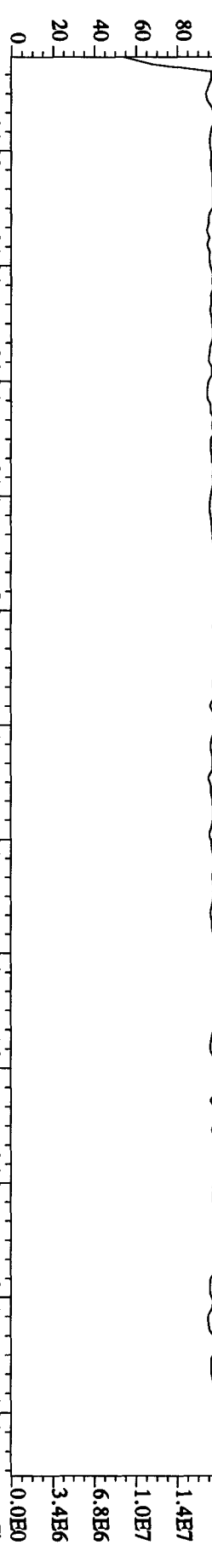


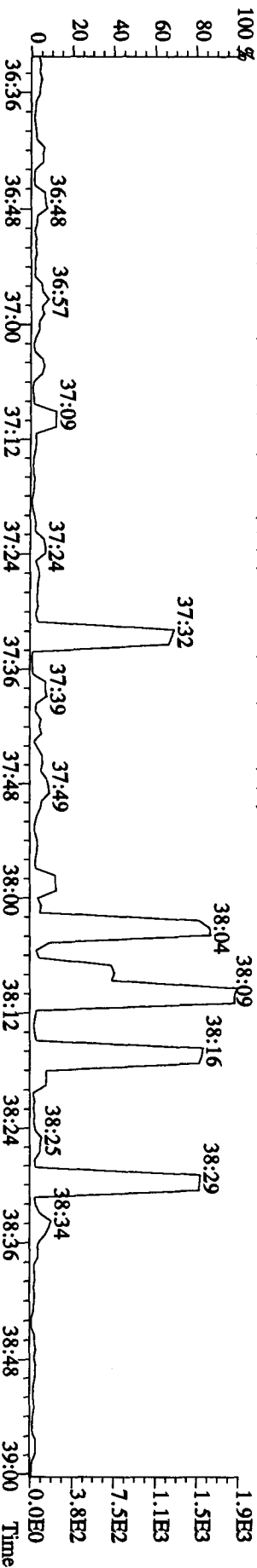
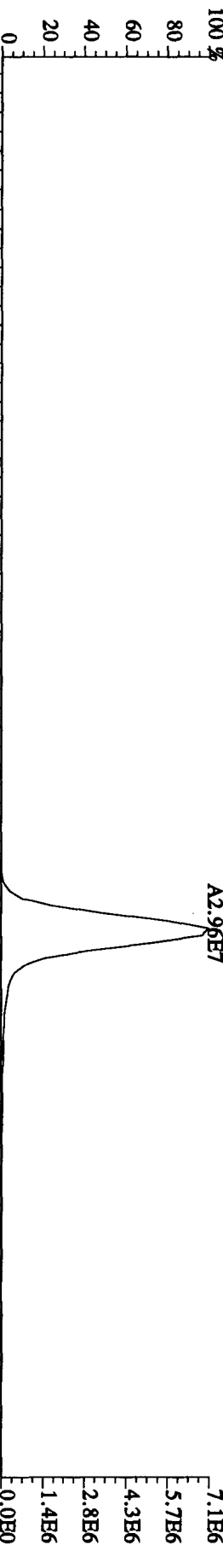
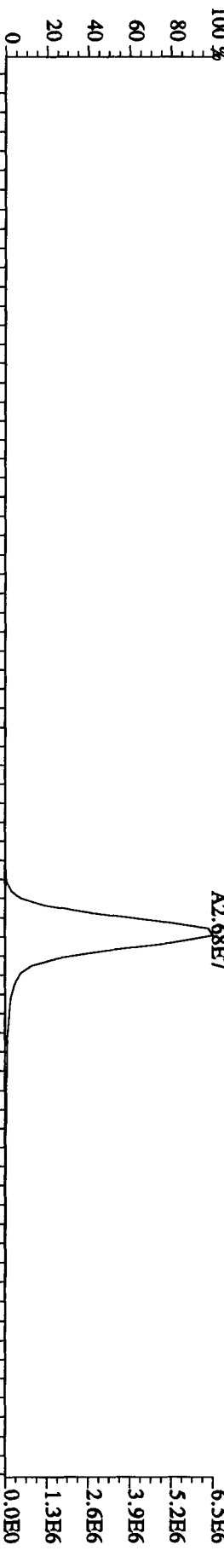
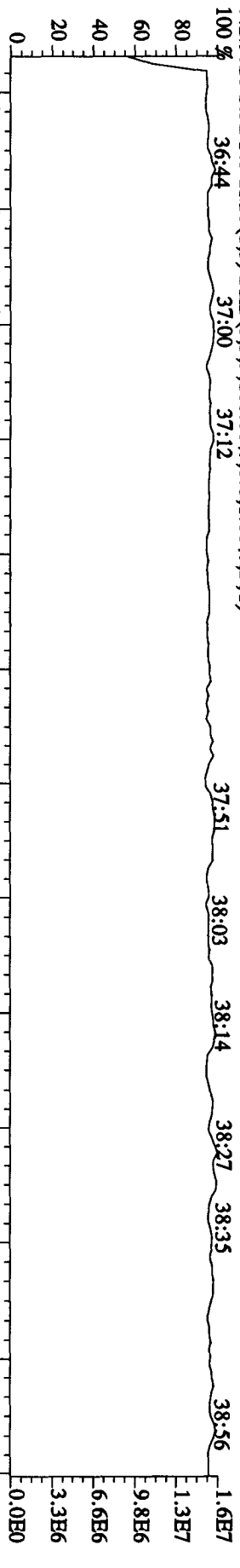
File:21AP10B4D5 #1-604 Acq:22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-Ultimate
Sample#32 Text:LXM7T-1-ABD :G0D080425-22D Exp.:DIOXINRESS8290A





File:21AP10B4D5 #1-198 Acq:22-APR-2010 19:51:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#32 Text:LXM7T-1-ABD :GOD080425-22ID Exp:DIOXINRES8290A
 430.9728 S:32 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 34:08 34:25 34:45 35:12 35:21 35:30 35:38 35:49 36:04 36:18 36:27 1.7E7



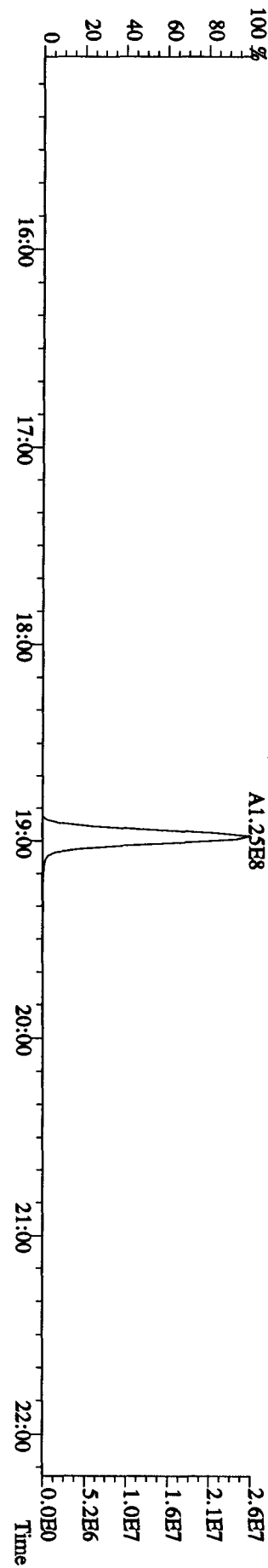
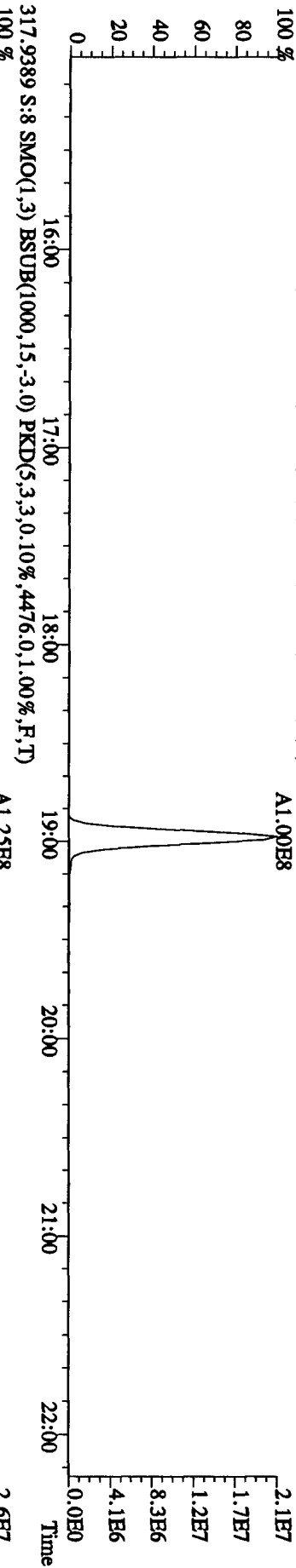
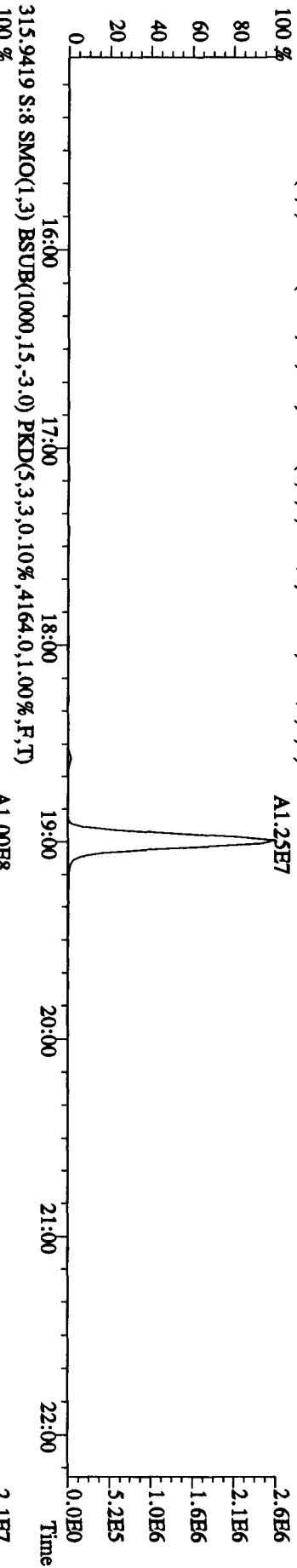
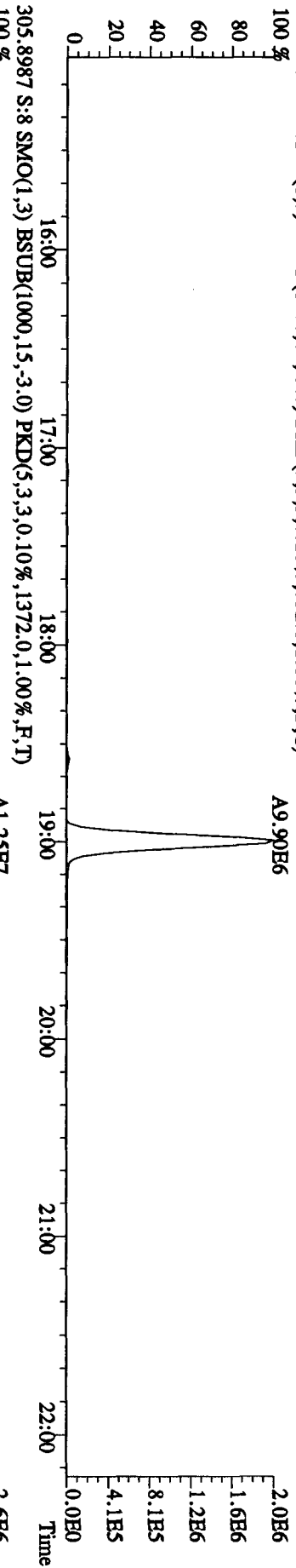


Run text: LXM7T-1-AD Sample text: LXM7T-1-AD :G0D080425-22S
 Run #12 Filename: 21AP104D5 S: 8 I: 1 Results: 21AP104D58290A
 Acquired: 21-APR-10 13:30:43 Processed: 21-APR-10 16:58:12
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.31 g

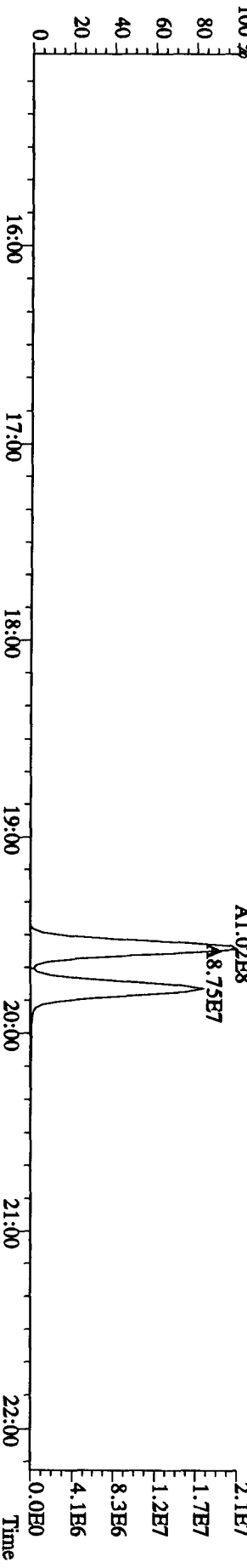
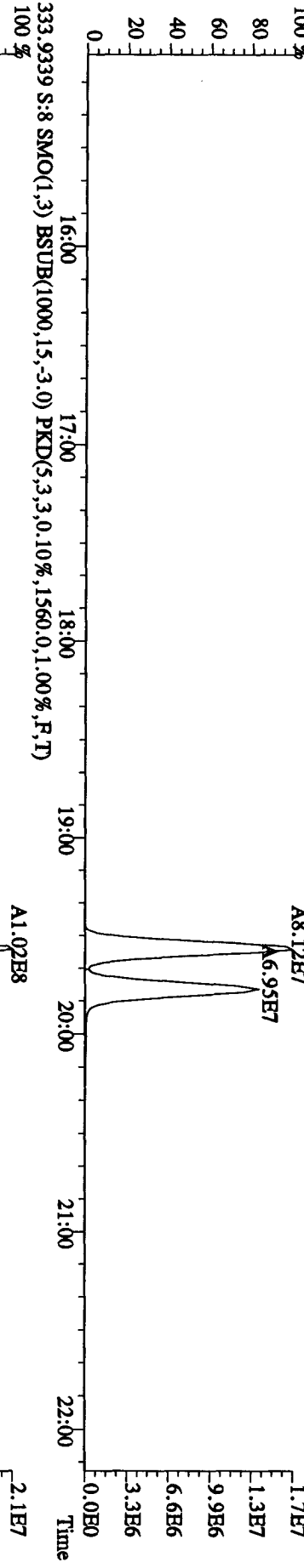
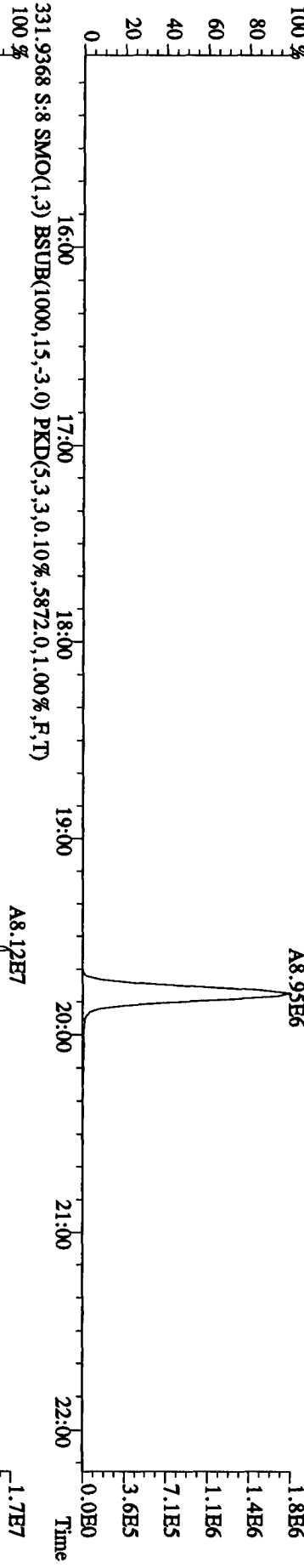
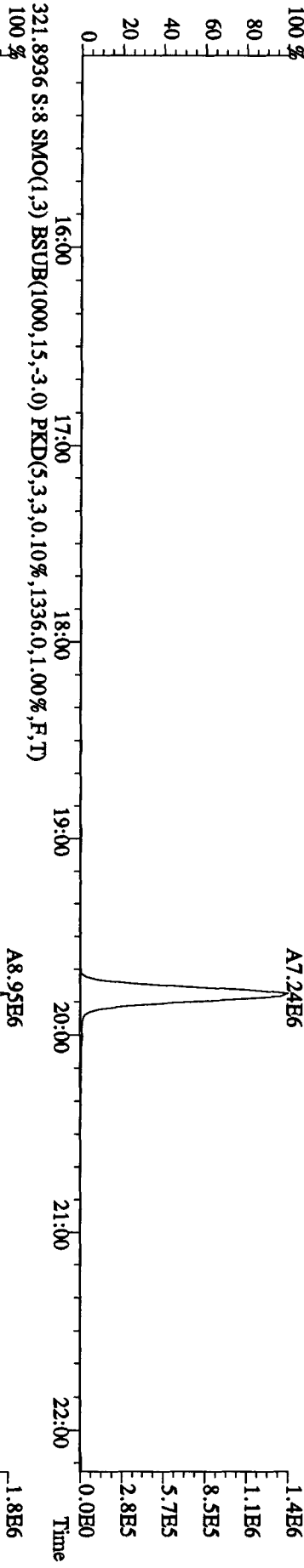
V84.25.6.

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	183324500	0.80 y	19:34	-	13.3654	-	-	n
13C-2,3,7,8-TCDF	225038000	0.80 y	18:59	1.52	156.5858	0.0886	80.7	n
2,3,7,8-TCDF	22368260	0.79 y	19:00	0.95	20.3972 B	0.0281	-	n
Total TCDF	22785934	0.97 n	17:09	0.95	20.7781	0.0281	-	n
13C-2,3,7,8-TCDD	157013100	0.79 y	19:46	0.95	174.9468	0.1220	90.2	n
2,3,7,8-TCDD	16186140	0.81 y	19:47	1.02	19.5860 B	0.0435	-	n
Total TCDD	16229181	1.26 n	18:32	1.02	19.6381	0.0435	-	n
37Cl-2,3,7,8-TCDD	153562000	1.00 y	19:47	2.26	71.8582	0.0299	92.6	n
13C-1,2,3,7,8-PeCDF	132874400	1.60 y	24:40	1.05	133.8654	0.0657	69.0	n
1,2,3,7,8-PeCDF	68563400	1.54 y	24:42	1.04	95.8091 B	0.0834	-	n
2,3,4,7,8-PeCDF	63344100	1.53 y	26:12	0.98	94.1583 B	0.0887	-	n
Total F2 PeCDF	133517208	2.02 n	23:11	1.01	192.2863	0.0860	-	n
Total F1 PeCDF	82817	0.27 n	15:28	1.01	0.1193	0.0308	-	n
13C-1,2,3,7,8-PeCDD	74764800	1.59 y	26:59	0.67	117.9967	0.0070	60.8	n
1,2,3,7,8-PeCDD	35823800	1.59 y	27:02	0.98	94.6603	0.1084	-	n
Total PeCDD	35823800	1.59 y	27:02	0.98	94.6603	0.1084	-	n
13C-1,2,3,7,8,9-HxCDD	77944600	1.29 y	33:07	-	7.3572	-	-	n
13C-1,2,3,4,7,8-HxCDF	87142200	0.51 y	31:58	1.02	211.6159	0.0431	109.1	n
1,2,3,4,7,8-HxCDF	55742400	1.22 y	31:59	1.21	102.3303 B	0.2969	-	n
1,2,3,6,7,8-HxCDF	46556200	1.23 y	32:06	1.34	77.1814	0.2682	-	n
2,3,4,6,7,8-HxCDF	41863000	1.20 y	32:40	1.22	76.2438	0.2946	-	n
1,2,3,7,8,9-HxCDF	39547000	1.22 y	33:18	1.09	80.5840	0.3296	-	n
Total HxCDF	183708600	1.22 y	31:59	1.22	336.3396	0.2958	-	n
13C-1,2,3,6,7,8-HxCDD	55498600	1.28 y	32:51	0.81	171.1423	0.0086	88.2	n
1,2,3,4,7,8-HxCDD	26886200	1.26 y	32:48	1.01	93.3459	0.0335	-	n
1,2,3,6,7,8-HxCDD	31144900	1.28 y	32:52	1.11	97.7294	0.0303	-	n
1,2,3,7,8,9-HxCDD	29703000	1.25 y	33:08	1.21	85.8723	0.0279	-	n
Total HxCDD	87734100	1.26 y	32:48	1.11	276.9476	0.0304	-	n
13C-1,2,3,4,6,7,8-HpCDF	50733400	0.43 y	34:38	0.86	146.3777	0.6396	75.5	n
1,2,3,4,6,7,8-HpCDF	34532100	0.97 y	34:38	1.31	100.8174 B	0.5928	-	n
1,2,3,4,7,8,9-HpCDF	32229100	0.95 y	35:46	1.03	120.1526	0.7569	-	n
Total HpCDF	67018111	0.97 y	34:38	1.17	221.8113	0.6649	-	n
13C-1,2,3,4,6,7,8-HpCDD	50675100	1.06 y	35:27	0.70	180.8168	0.0858	93.2	n
1,2,3,4,6,7,8-HpCDD	27382700	1.03 y	35:27	1.07	97.7952 B	0.1323	-	n
Total HpCDD	27513789	0.93 y	34:53	1.07	98.2634	0.1323	-	n
13C-OCDD	46277000	0.91 y	37:57	0.53	216.7403	0.0205	55.9	n
OCDF	42187500	0.91 y	38:04	1.45	244.7066 B	0.0677	-	n
OCDD	28910200	0.89 y	37:58	1.17	207.8239 B	0.3008	-	n

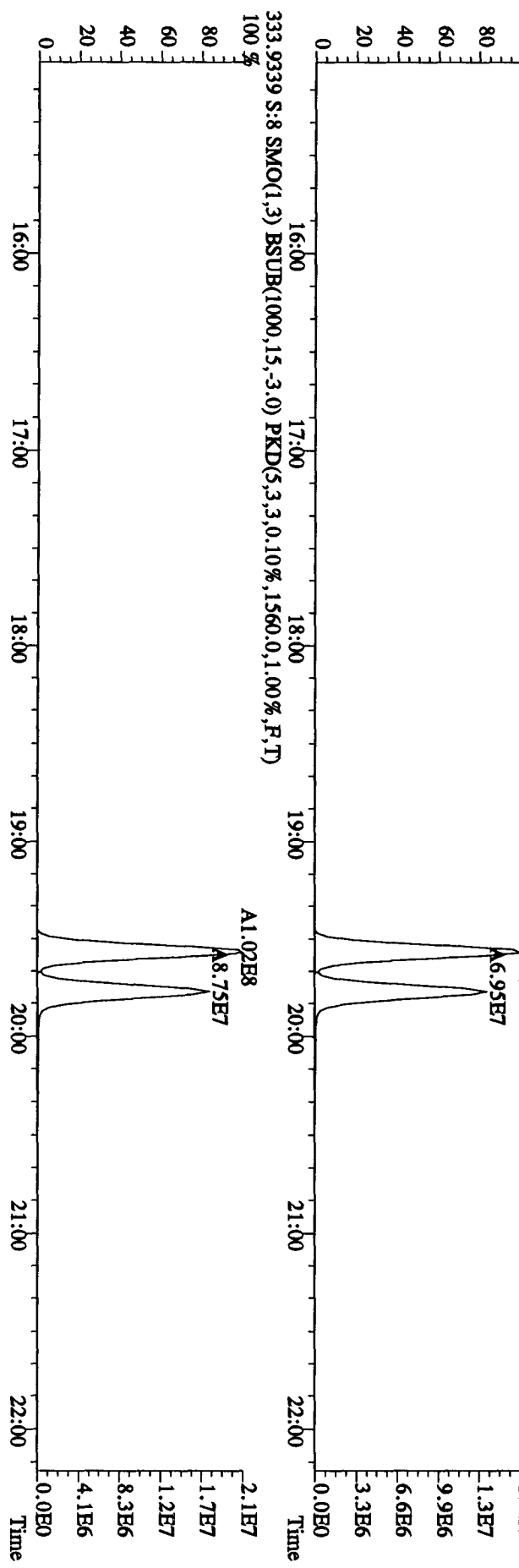
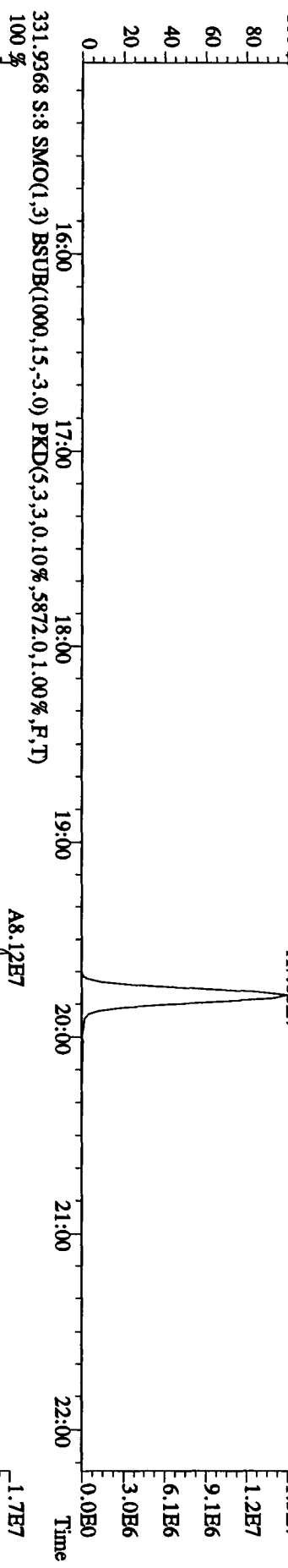
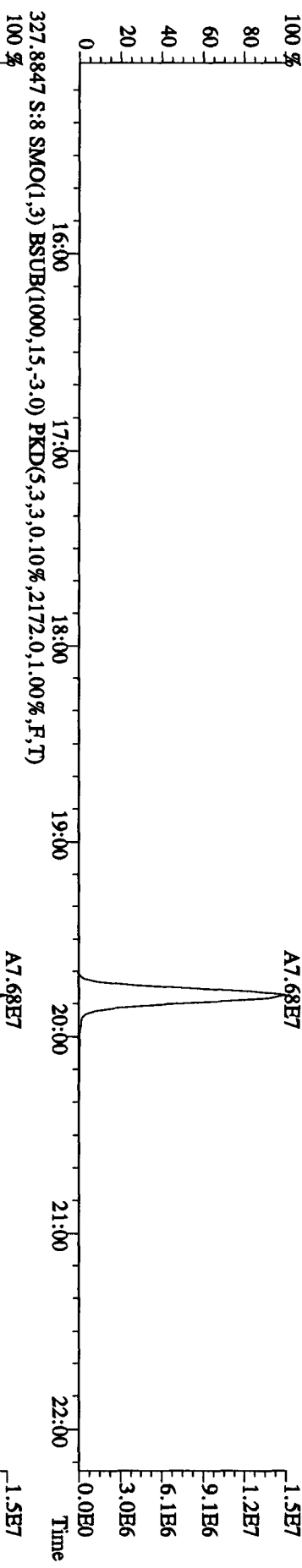
File:21AP104D5 #1-434 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXMTT-1-AD :G0D080425-225 Exp:DIOXINRES8290A
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,752.0,1.00%,F,T) 100%



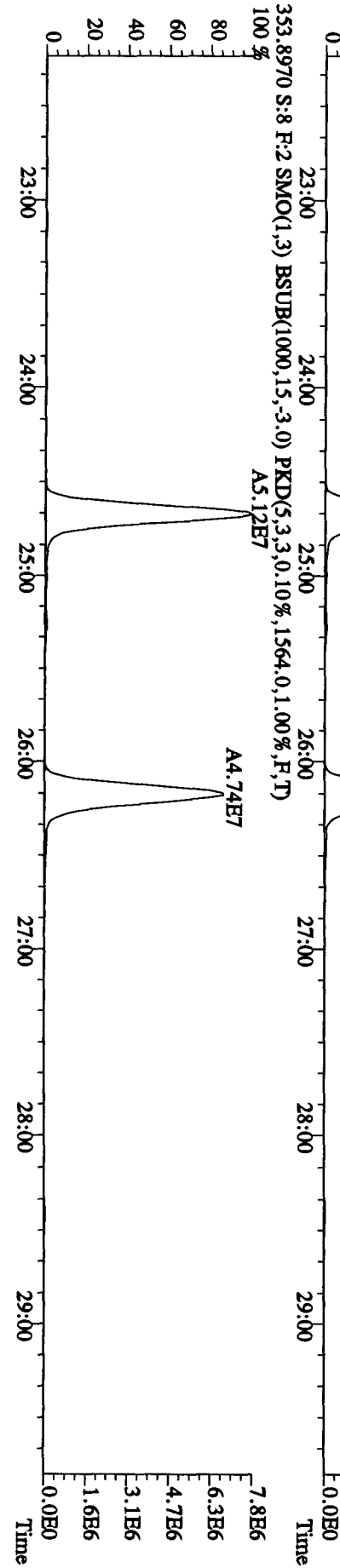
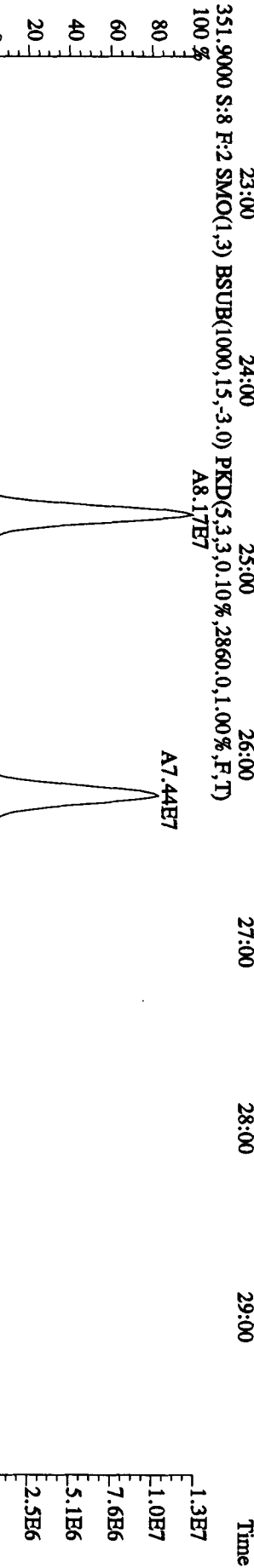
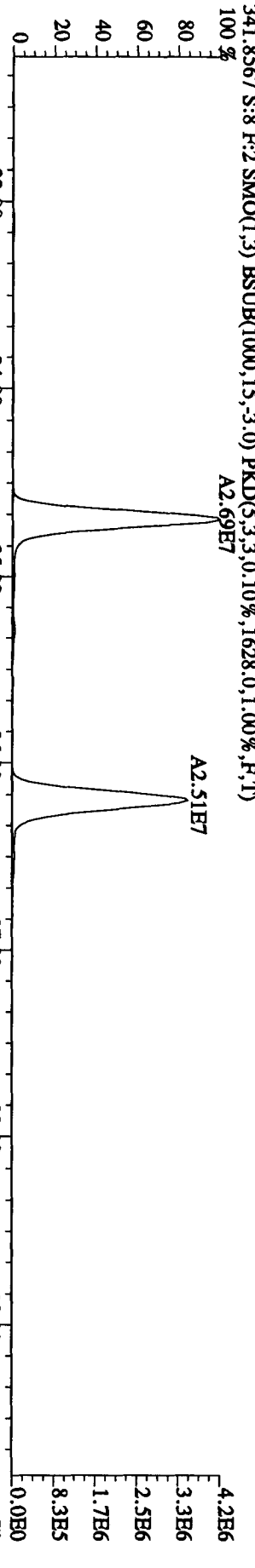
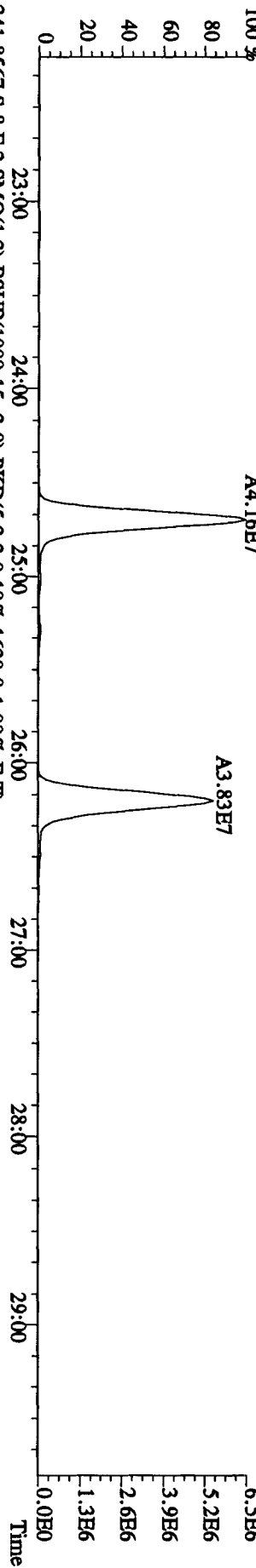
File:21AP104D5 #1-434 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text:LXM/TT-1-AD :GOD080425-22S Exp:DIOXINRES8290A
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1052.0,1.00%,F,T) 100%



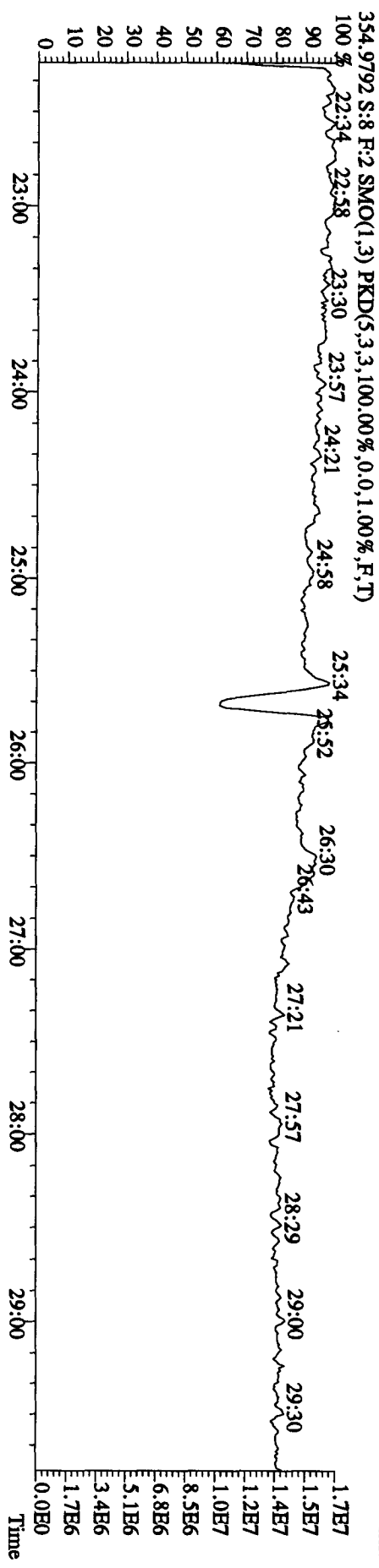
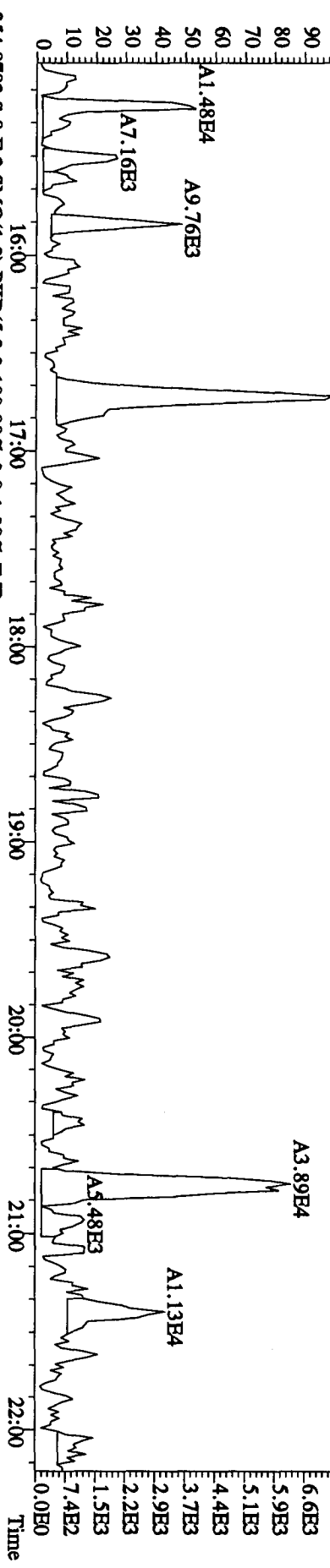
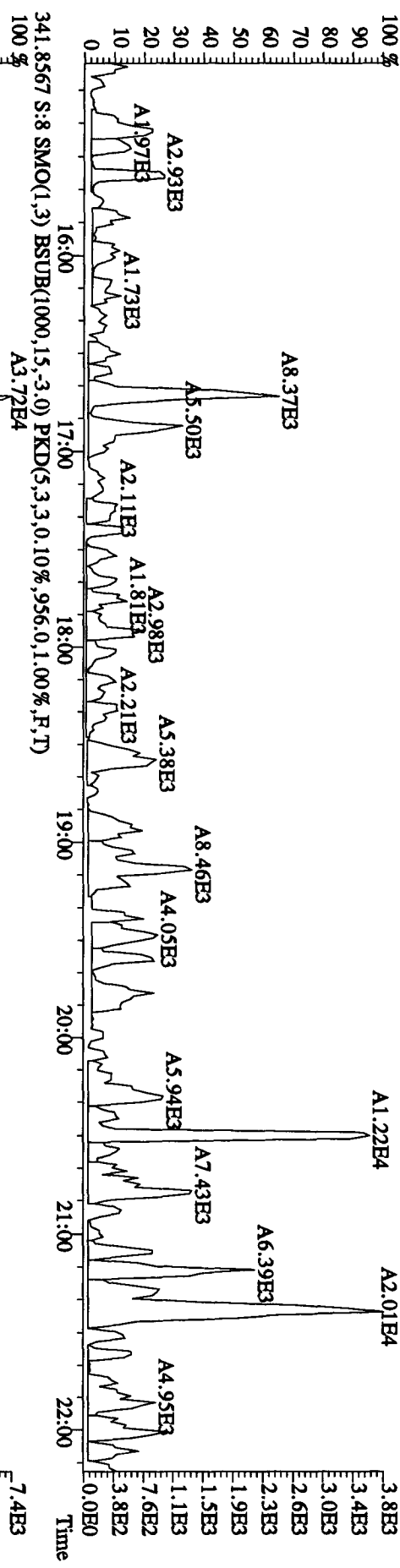
File:21AP104D5 #1-434 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXM7T-1-AD :G0D080425-22S Exp:DIOXINRES8290A
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2172.0,1.00%,F,T)



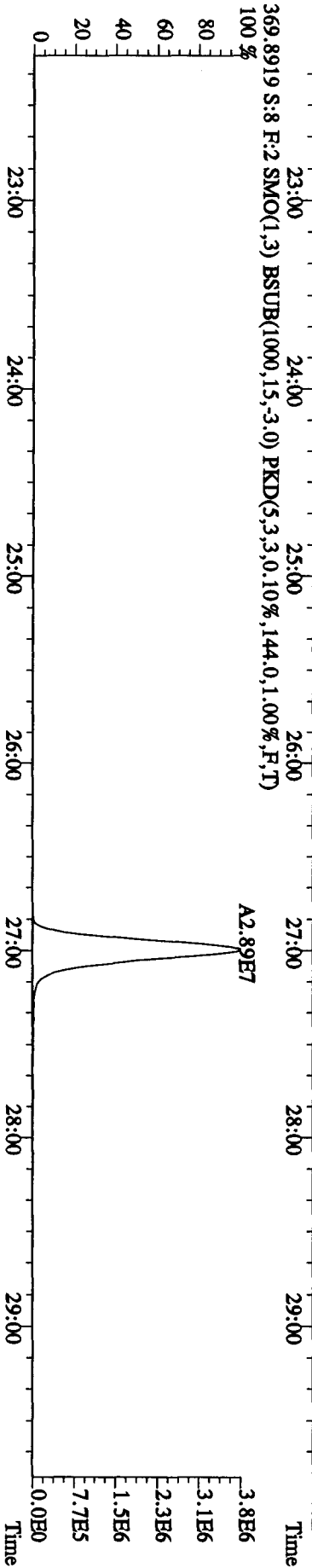
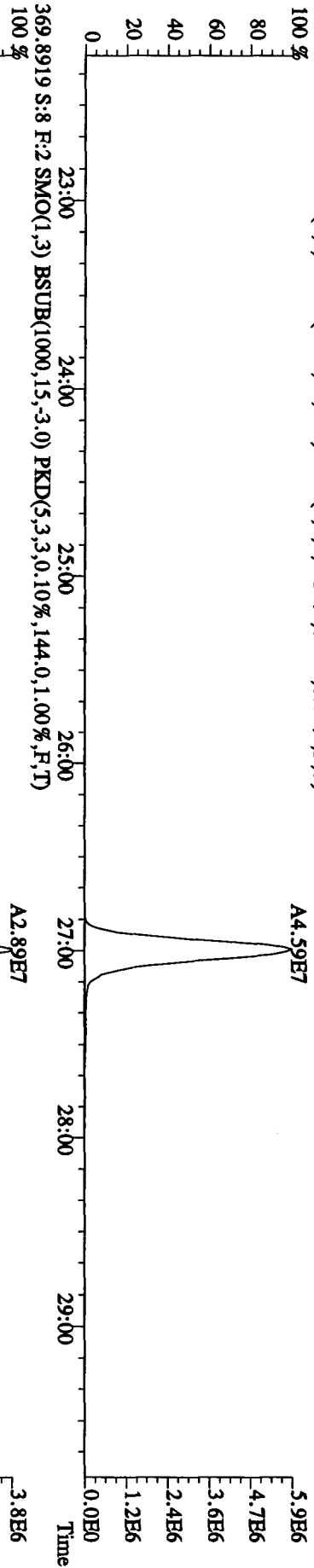
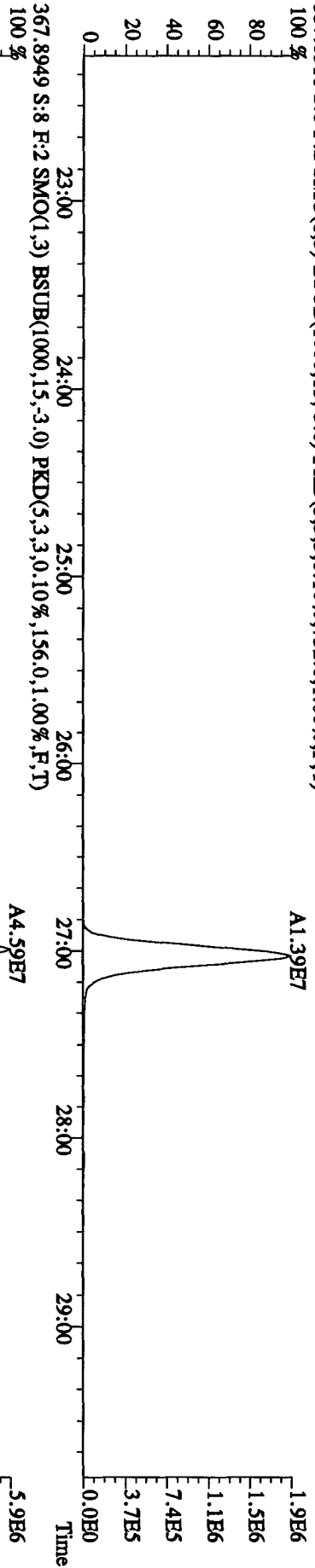
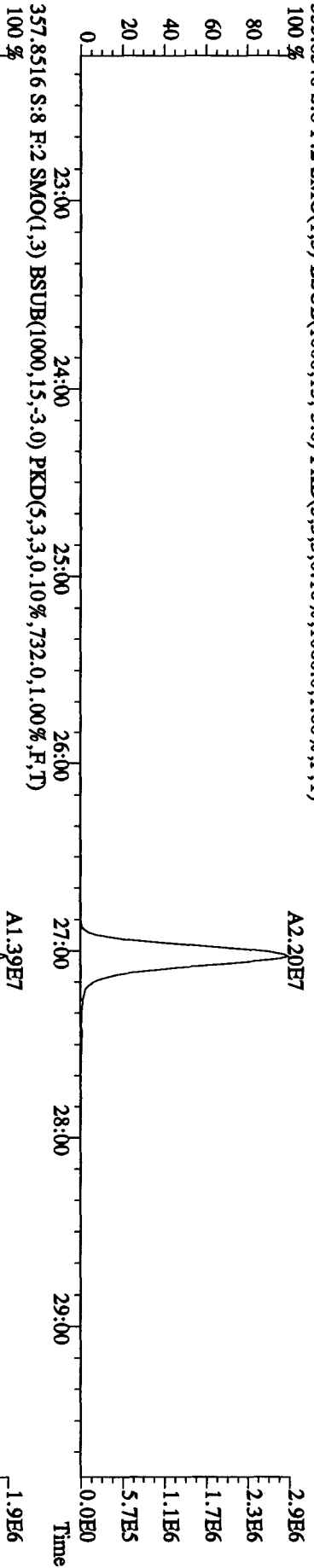
File: 21AP104D5 #1-604 Acq: 21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text: LXM7T-1-AD : G0D080425-22S Exp: DIOXINRES8290A
 339.8597 S: 8 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T) 100%
 A4.16E7



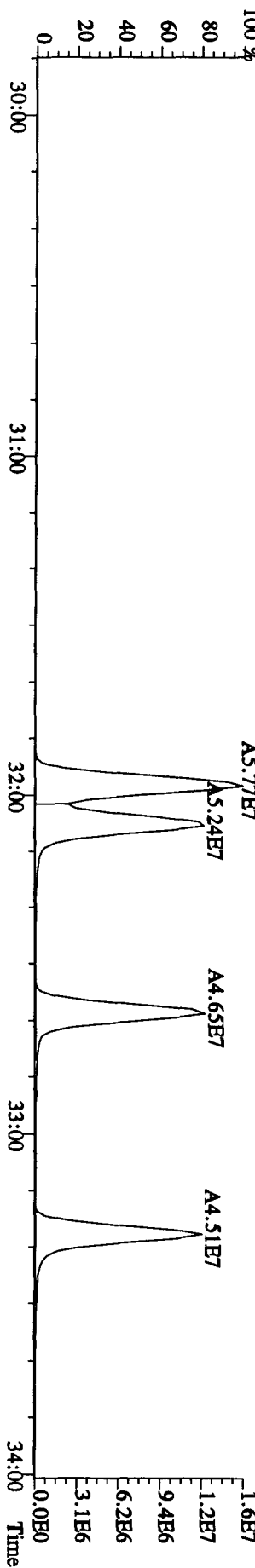
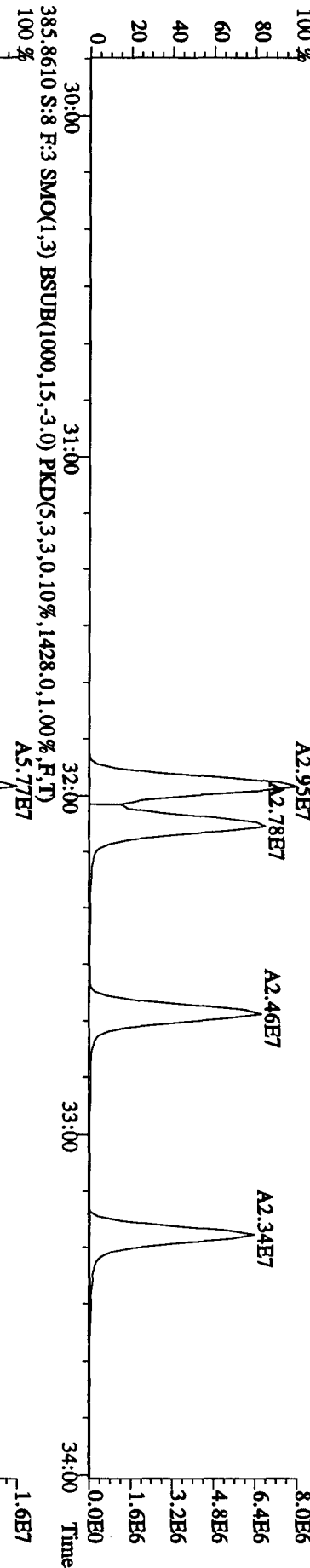
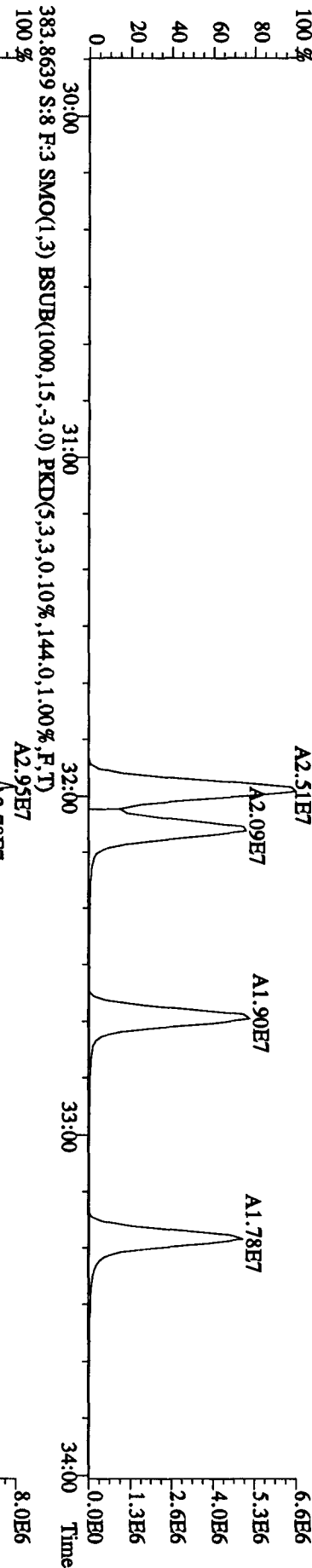
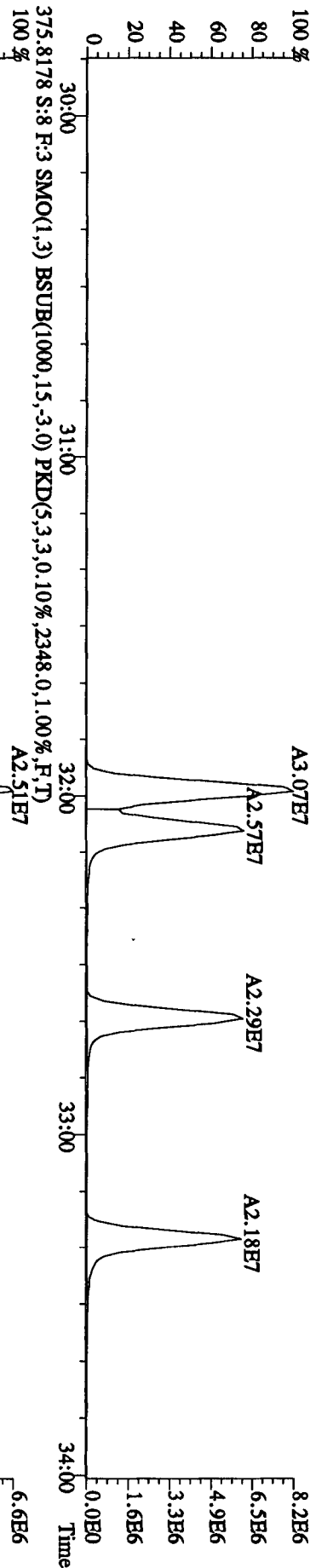
File: 21AP104D5 #1-434 Acq: 21-APR-2010 13:30:43 GC EI + Voltage SIR Autospec-Ultimate
 Sample# 8 Text: LXM7T-1-AD : GOD080425-22S Exp: DIOXINRES8290A
 339.8397 S: 8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,144.0,1.00%,F,T)



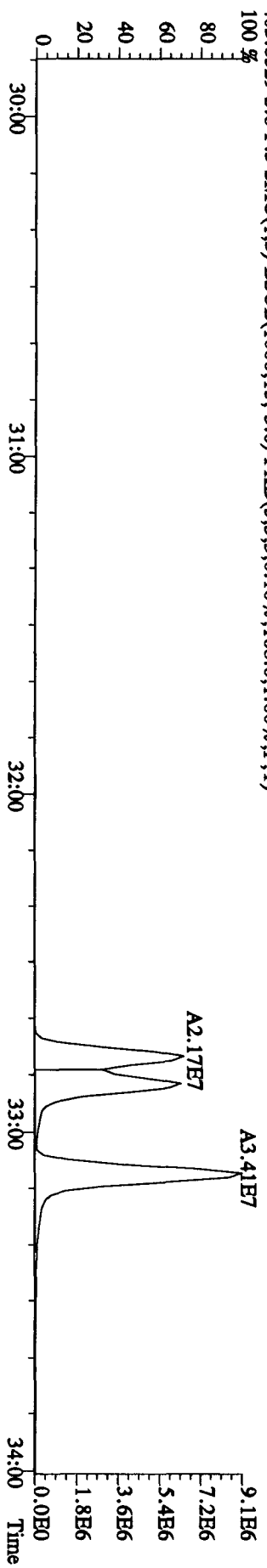
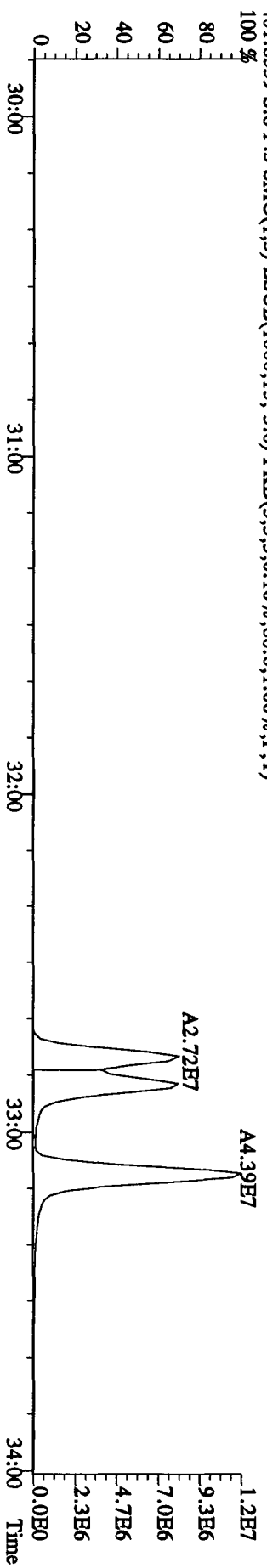
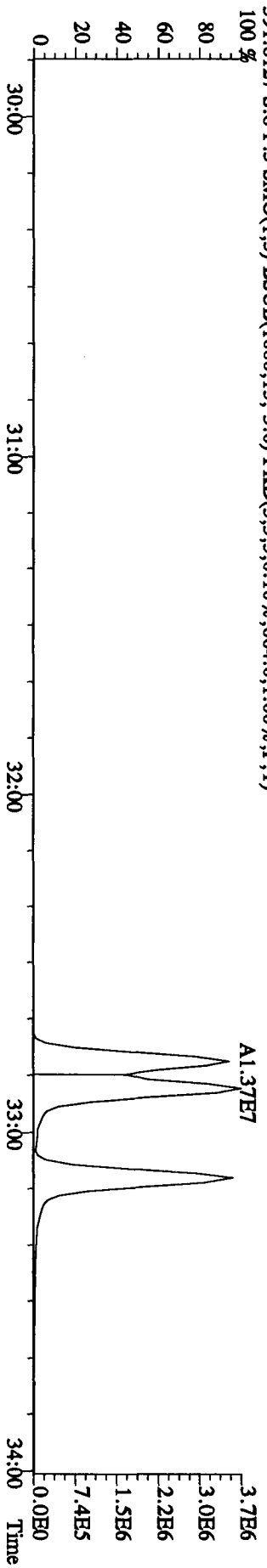
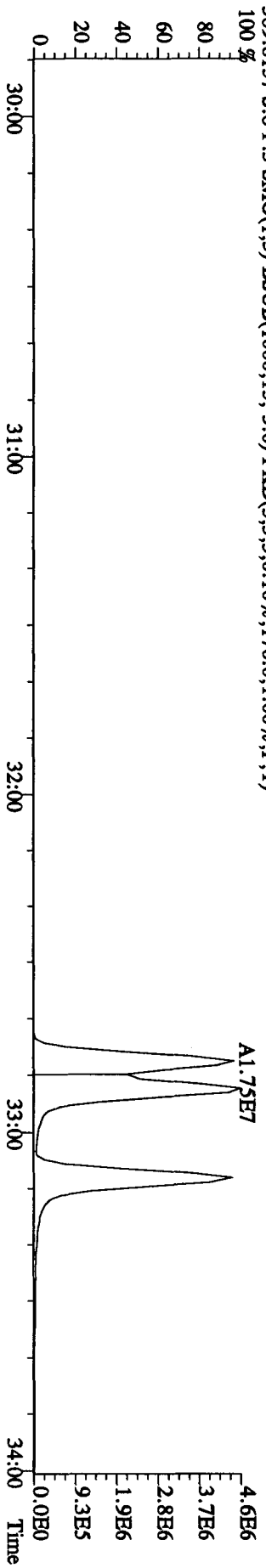
File:21AP104D5 #1-604 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltraB
 Sample#8 Text:LXMT7T-1-AD :G0D080425-22S Exp:DIOXINRES8290A
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1060.0,1.00%,F,T) 100 %



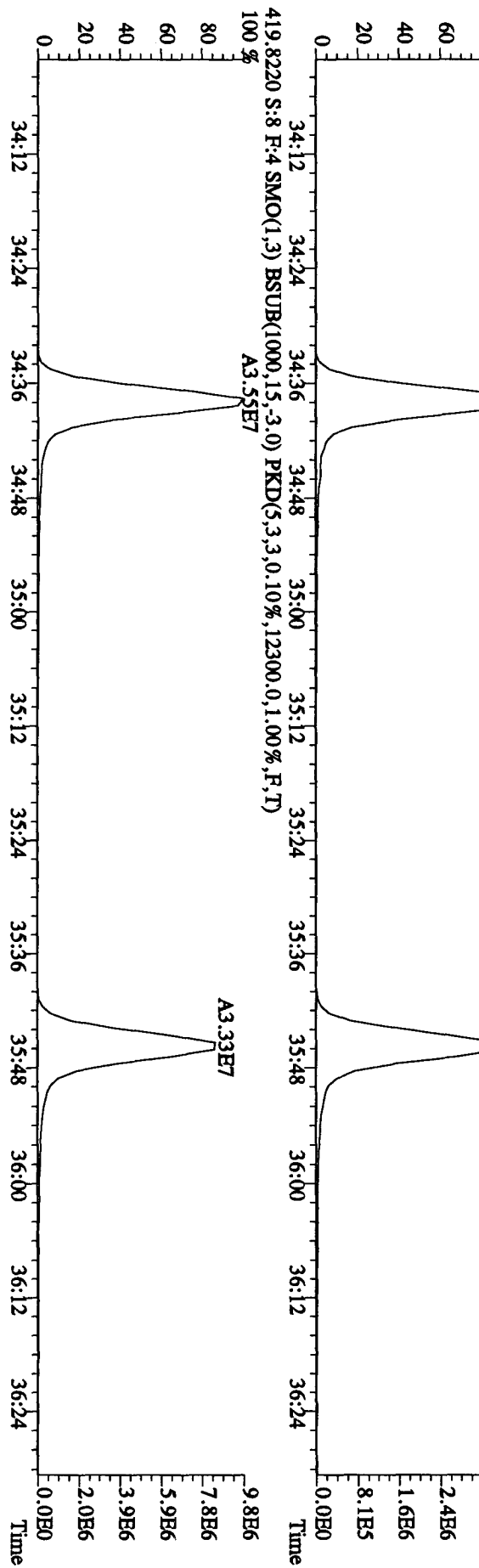
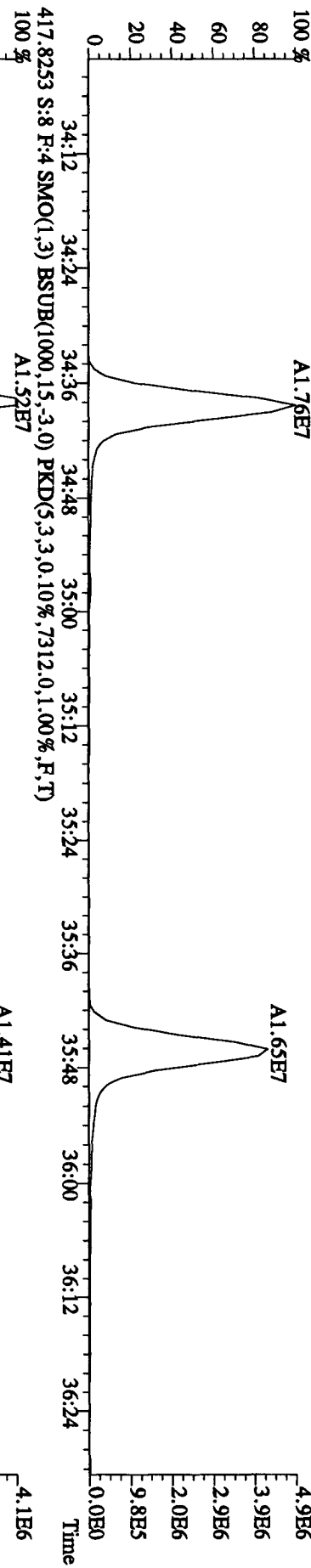
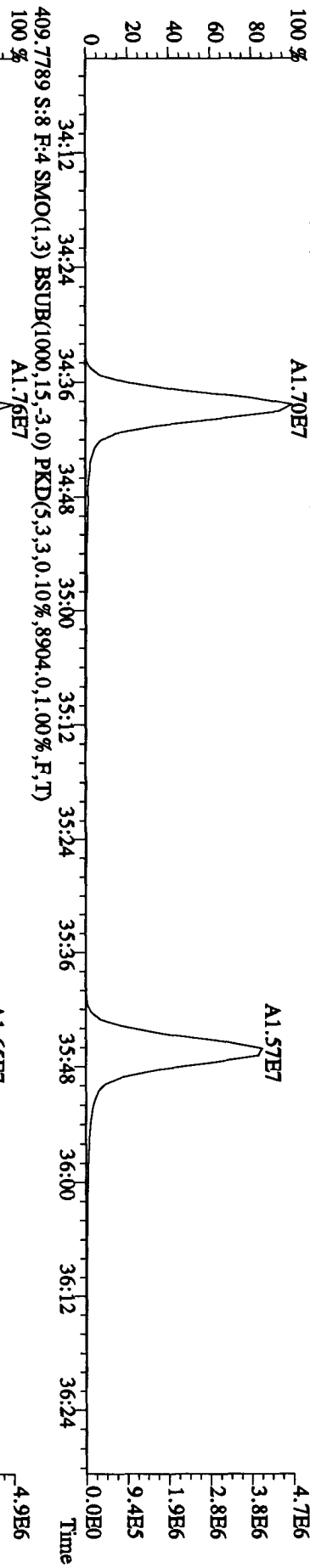
File:21AP104D5 #1-317 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text:LXM7T-1-AD :G0D080425-22S Exp:DIOXINRES8290A
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12280,0.1,0.0%,F,T)
 100% A3.07E7



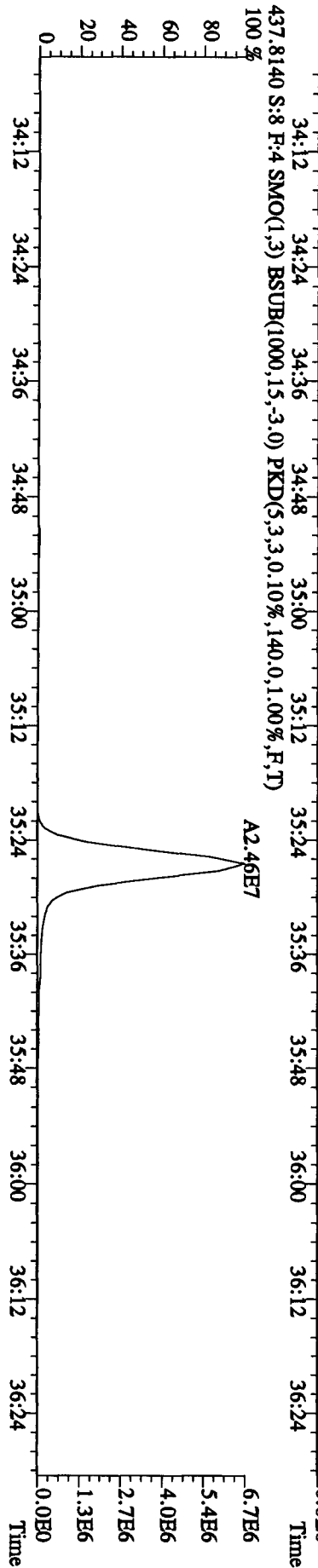
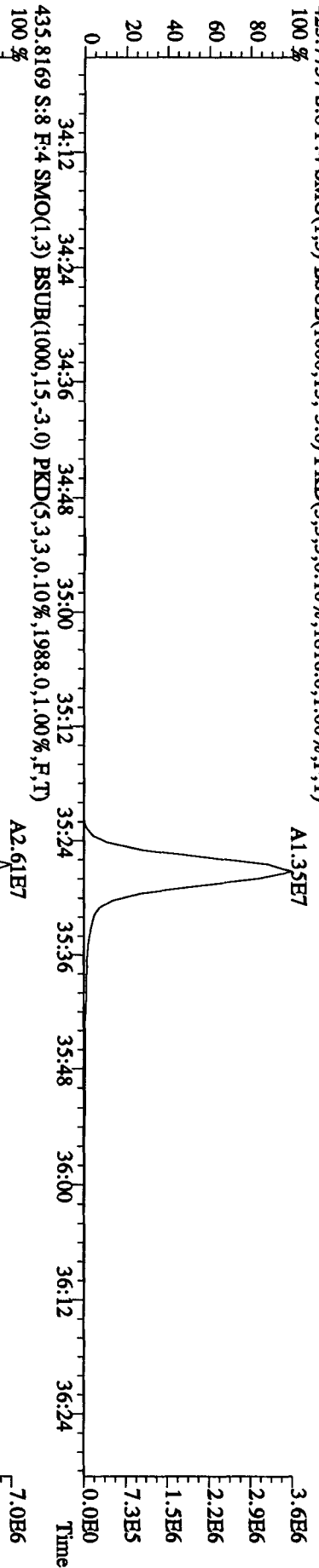
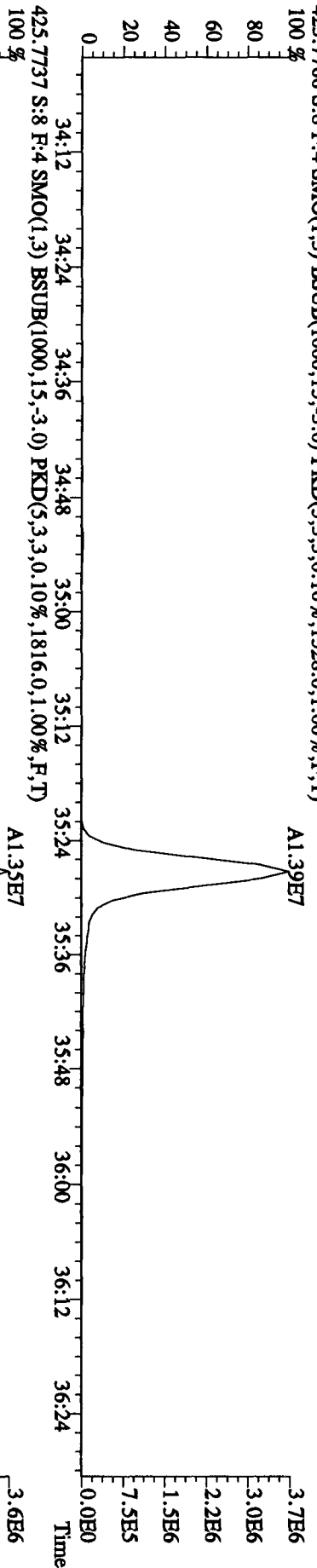
File:21AD104D5 #1-317 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:LXM7T-1-AD :G0D080425-22S Exp:DIOXINRES8290A
389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)



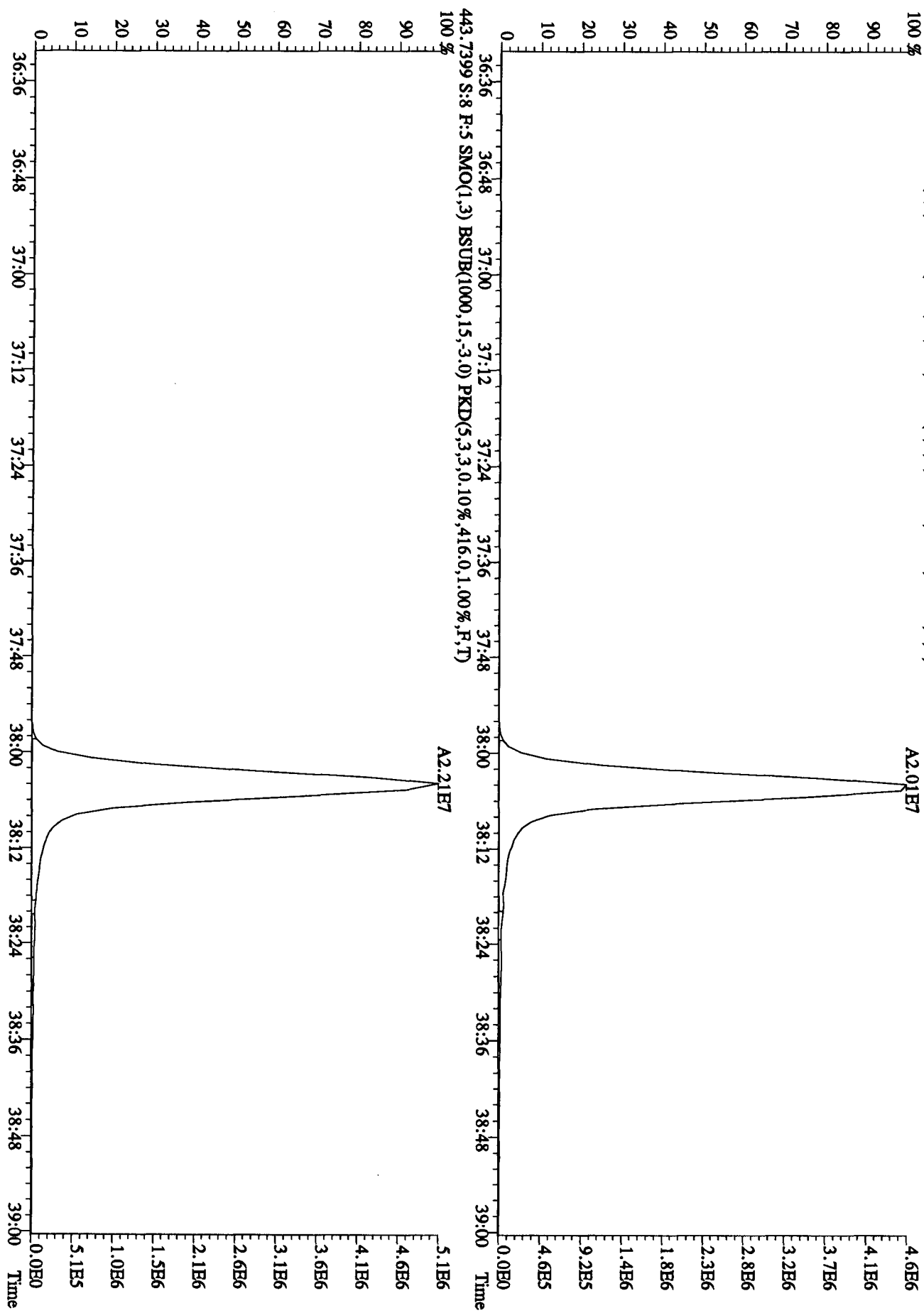
File: 21AP104D5 #1-198 Acq: 21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text: LXM7T-1-AD :G0D080425-22S Exp: DIOXINRES8290A
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9452.0,1.00%,F,T)
 100% A1.70E7



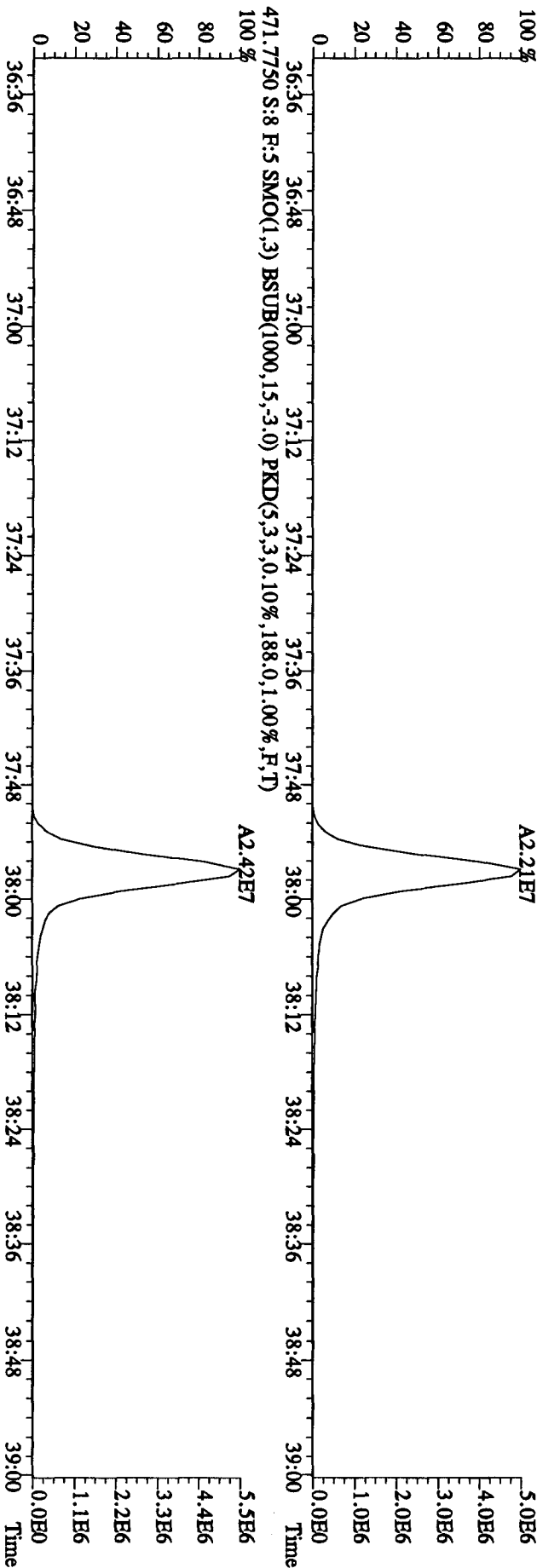
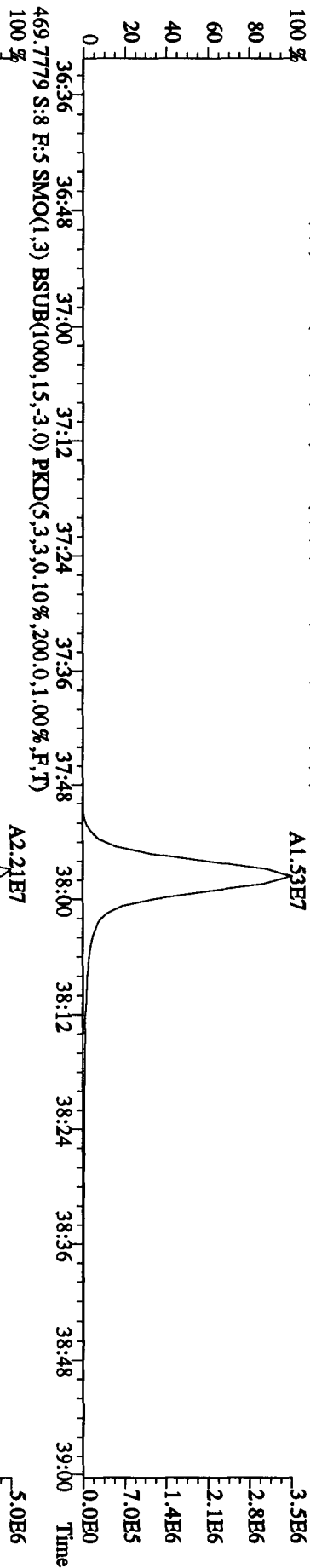
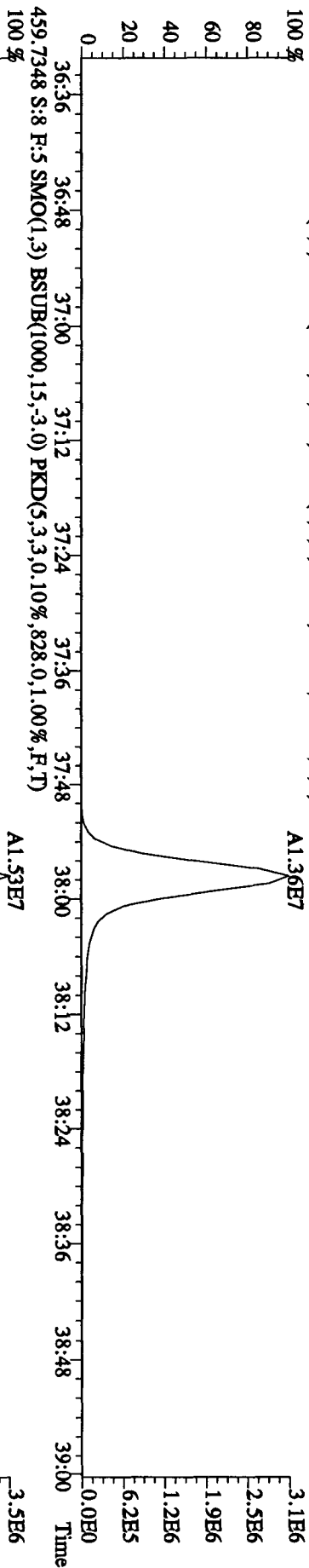
File:21AP104D5 #1-198 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXM7T-1-AD :GOD080425-22S Exp:DIOXINRES8290A
 423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



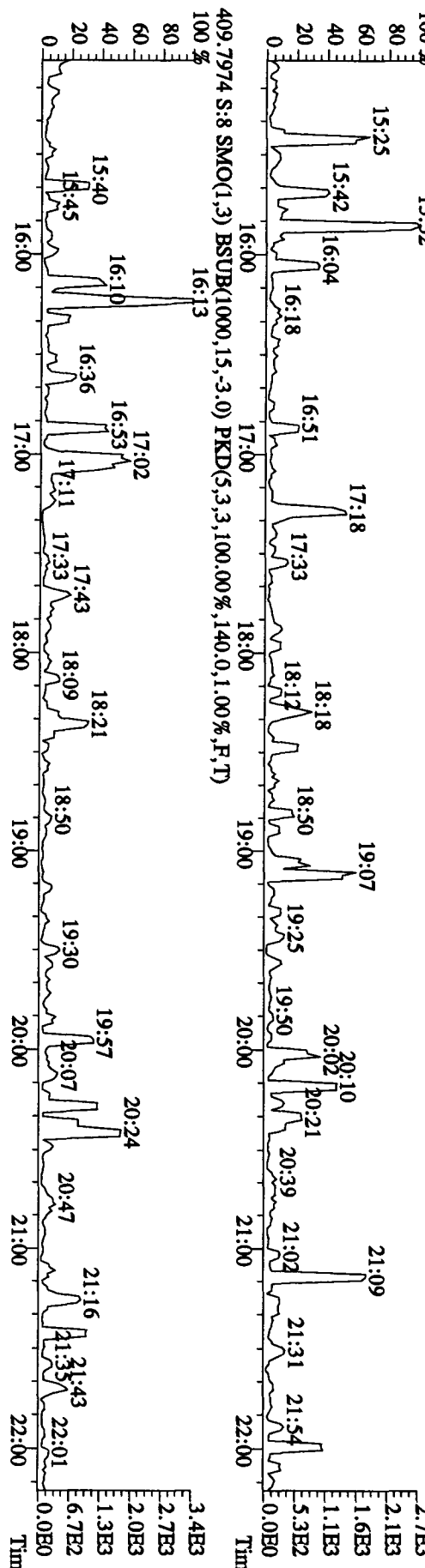
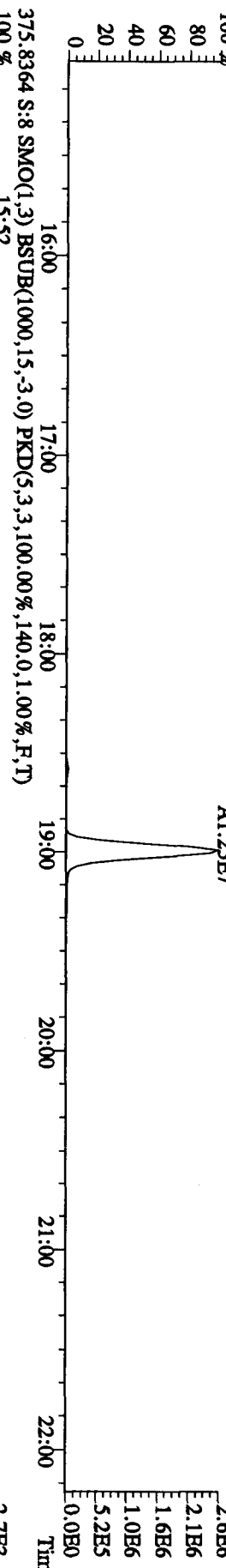
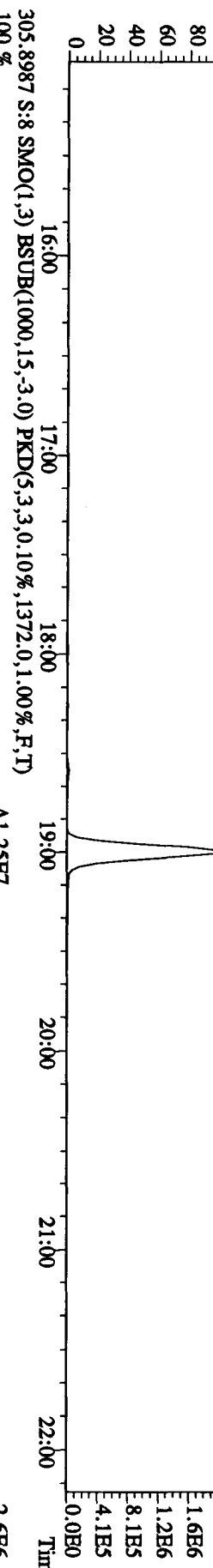
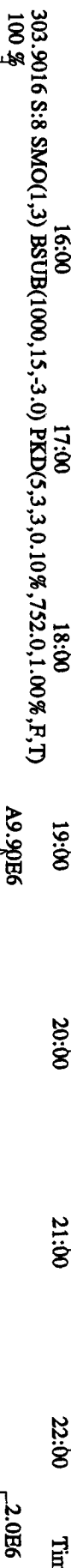
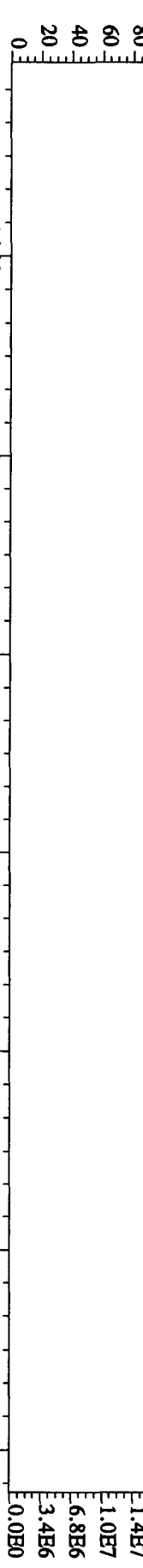
File:21AP104D5 #1-190 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXM7T-1-AD :G0D080425-22S Exp:DIOXINRES8290A
 441.7428 S:8 R:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,464.0,1.00%,F,T)



File: 21AP104D5 #1-190 Acq: 21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text: LXM7T-1-AD :G0D080425-22S Exp: DIOXINRES8290A
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328,0,1.00%,F,T)
100 %

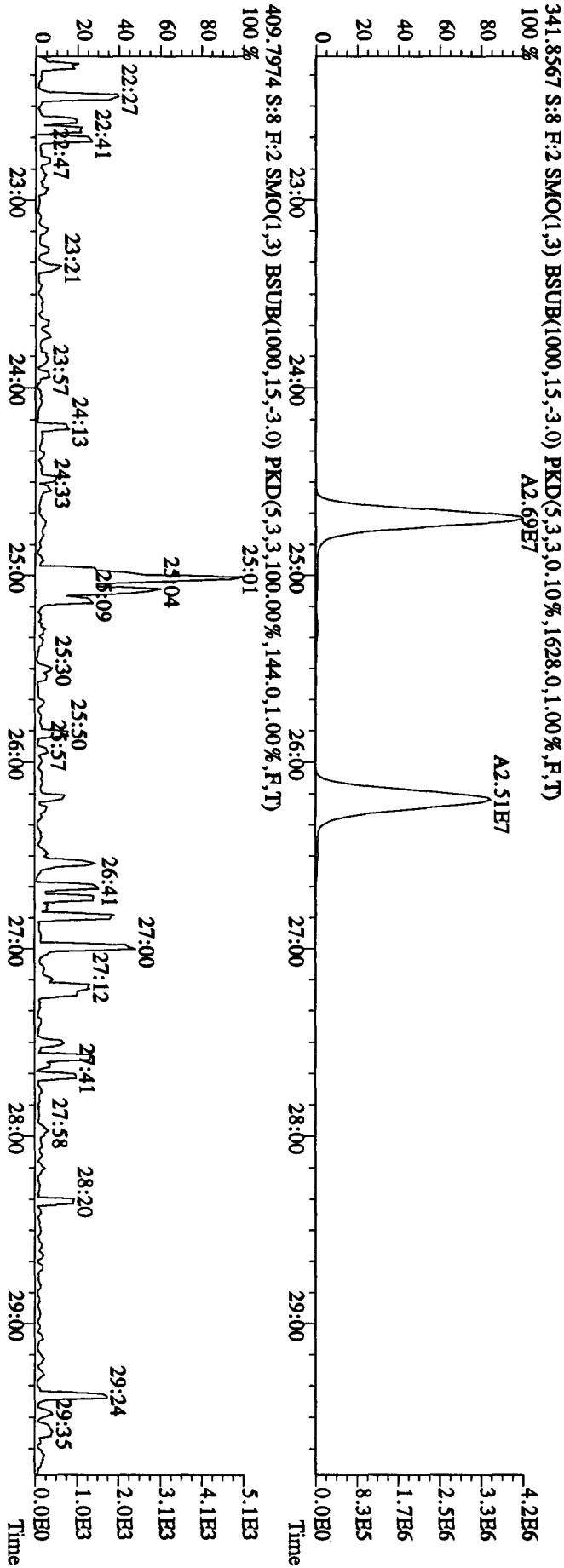
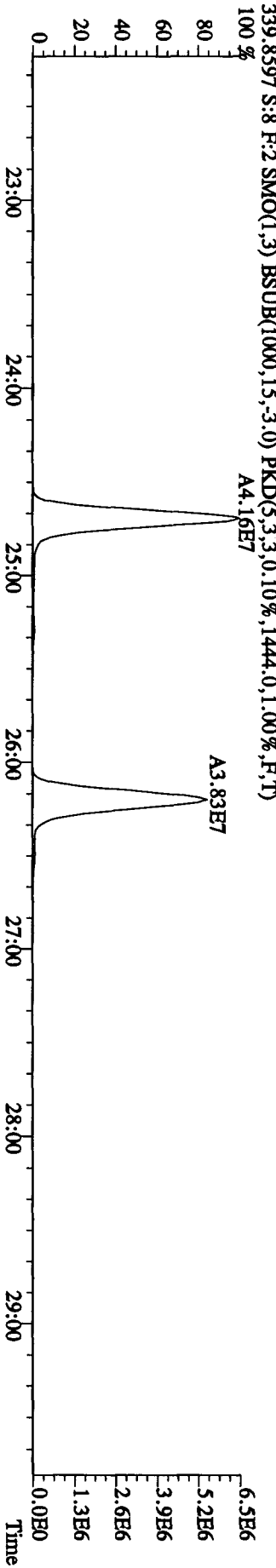
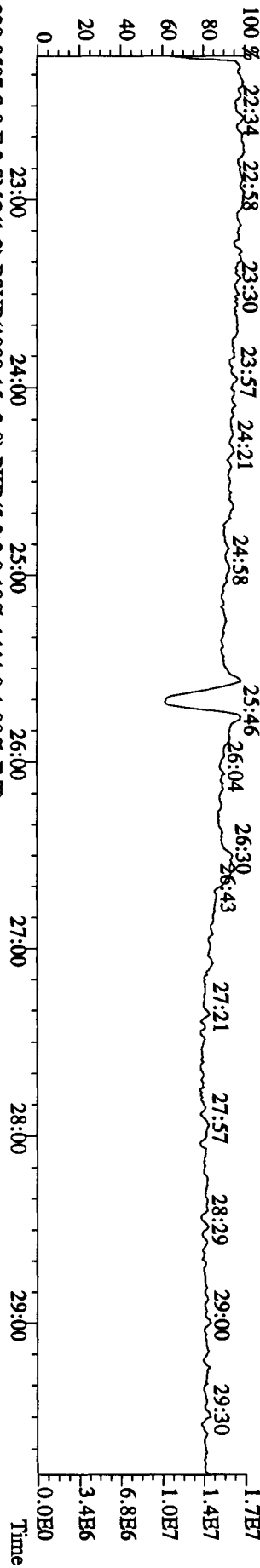


File: 21ADP104D5 #1-434 Acq: 21-APR-2010 13:30:43 GC EI+ Voltage: SIR Autospec-Ultimate
 Sample#8 Text: LXM7T-1-AD :G0D080425-22S Exp: DIOXINRES8290A
 354.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

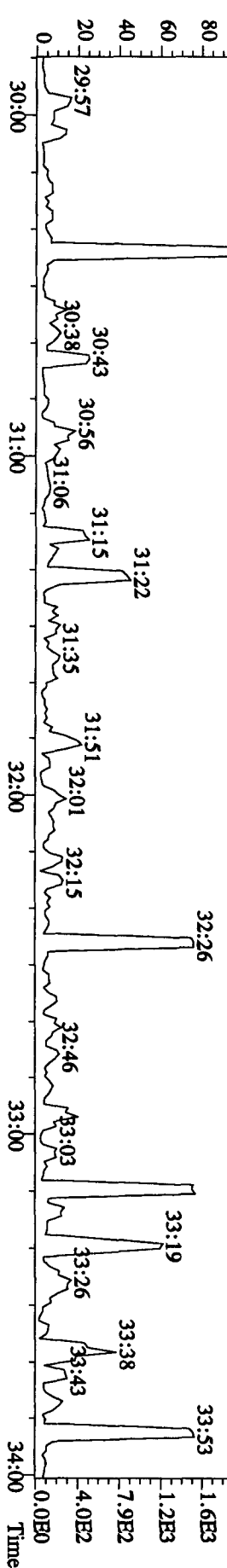
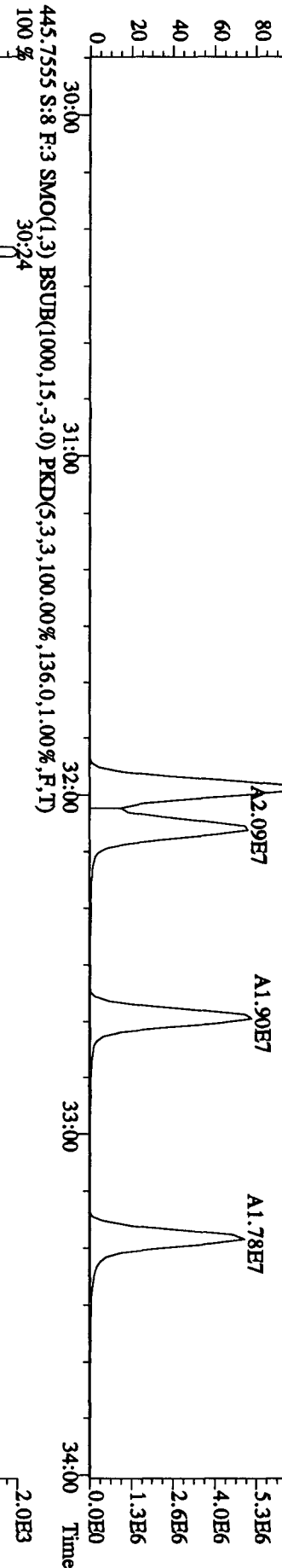
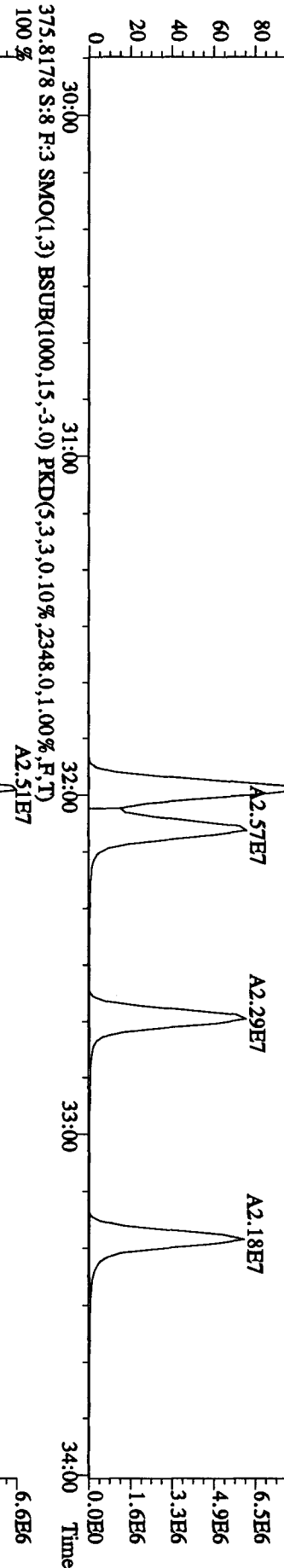
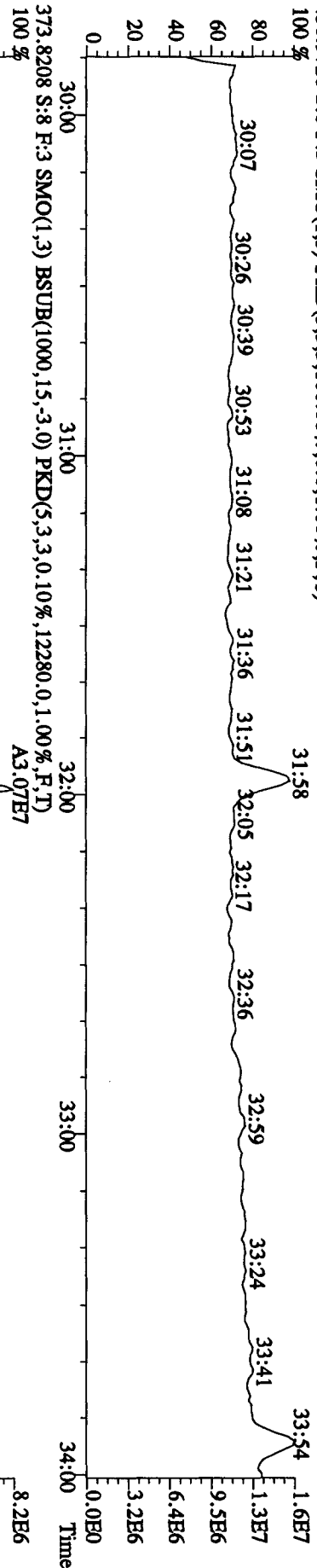


File: 21AP104D5 #1-604 Acq: 21-APR-2010 13:30:43 GC EI + Voltage SIR Autospec-UltimaB

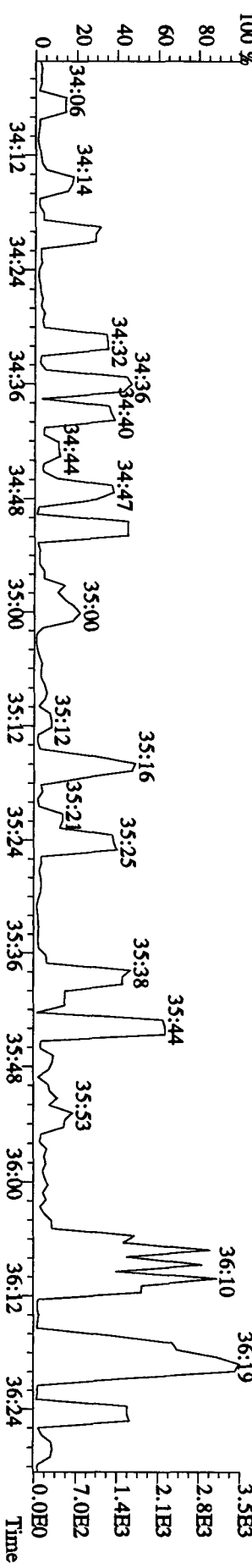
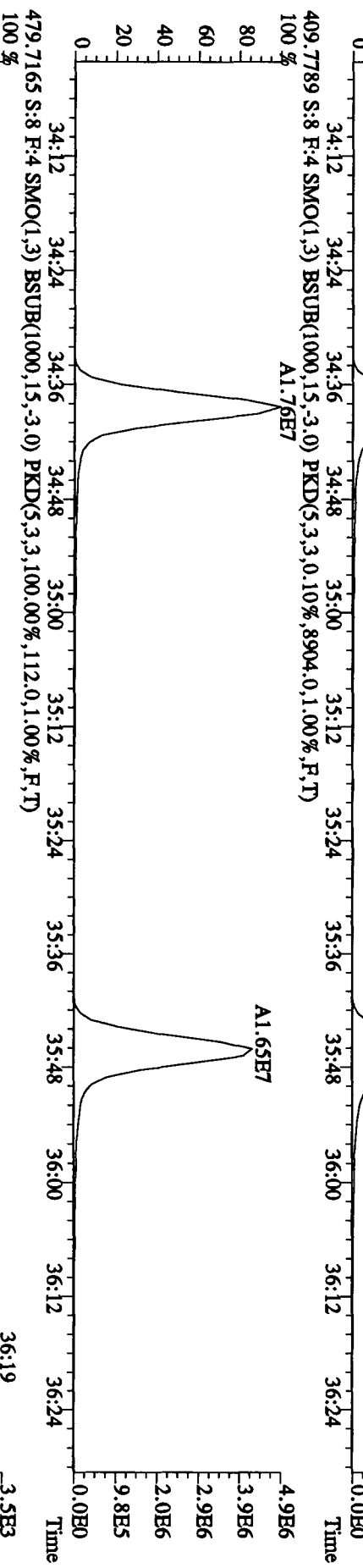
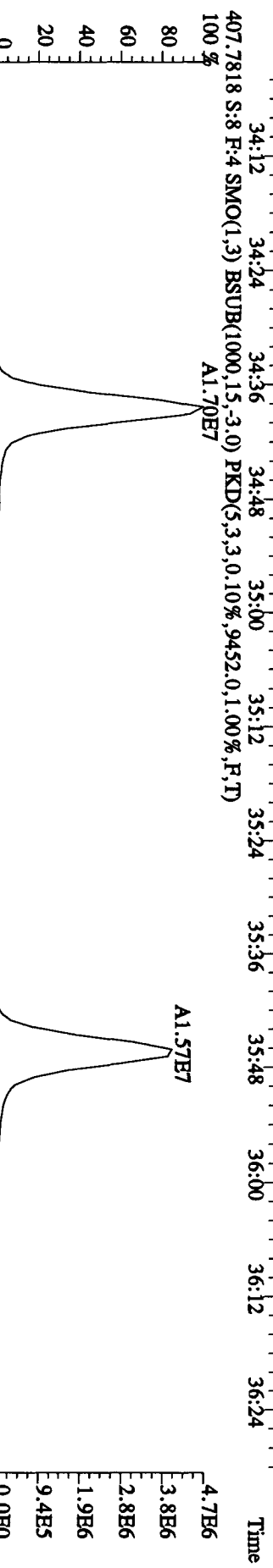
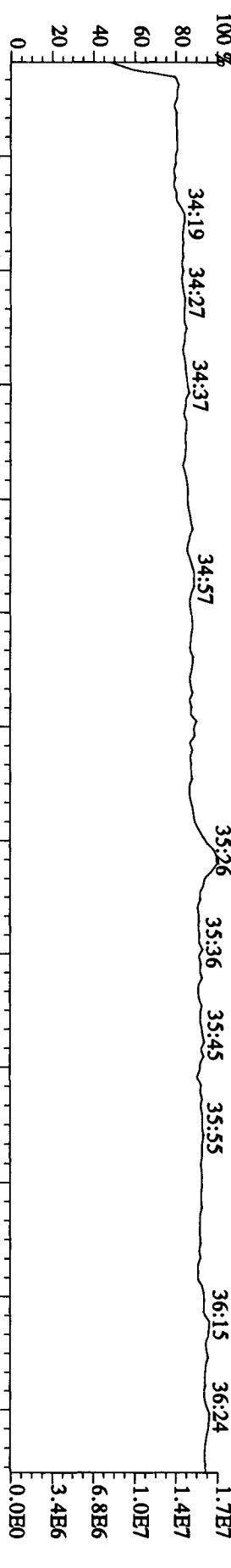
Sample#8 Text: LXM7T-1-AD : GOD080425-225 Exp: DIOXINRES8290A



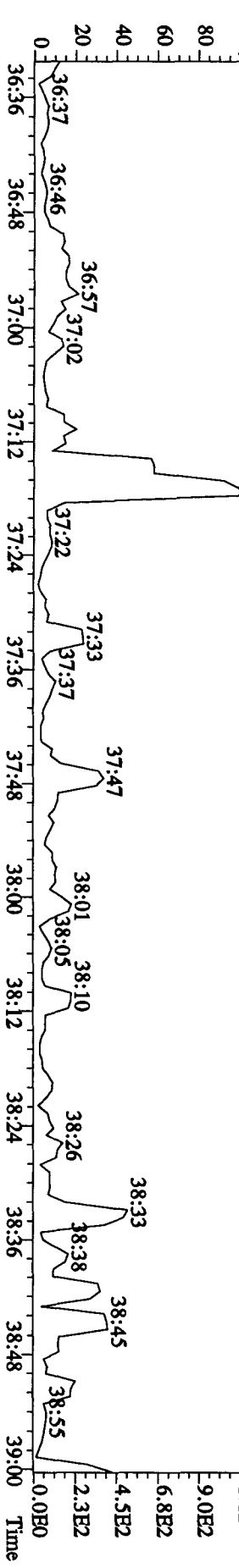
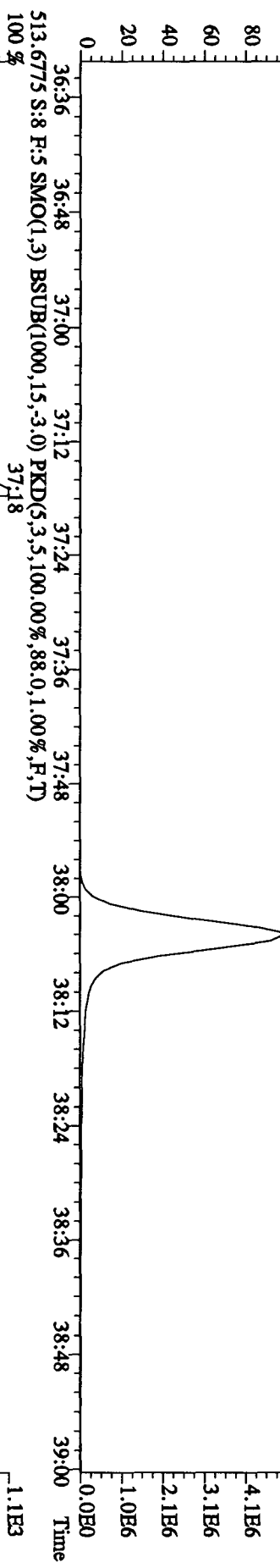
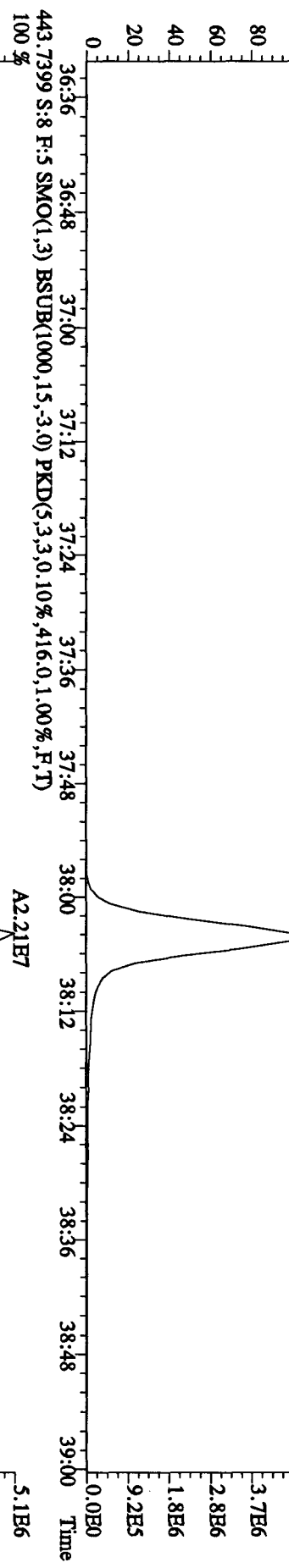
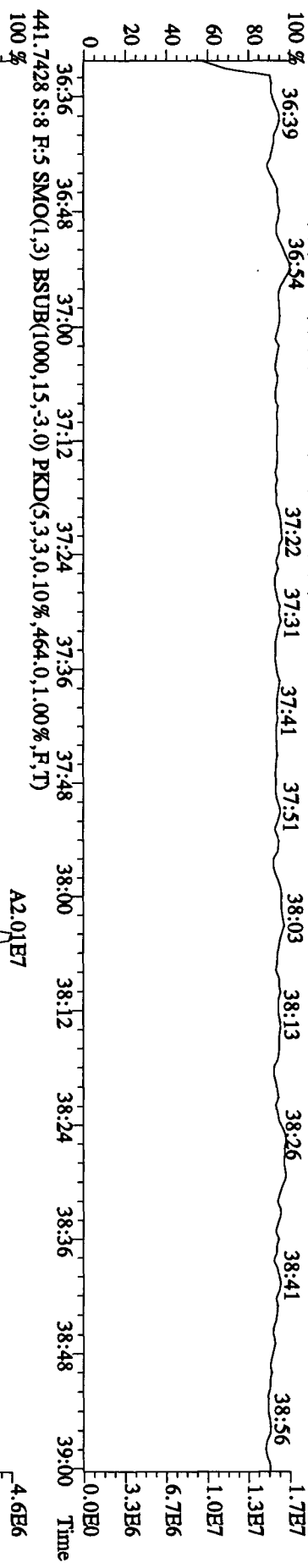
File: 21AP104D5 #1-317 Acq: 21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text: LXM7T-1-AD : G0D080425-225 Exp: DIOXINRES8290A
 430.9728 S: 8 F: 3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:21AP104D5 #1-198 Acq:21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXM7T-1-AD :G0D080425-22S Exp:DIOXINRES8290A
 430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 21AP104D5 #1-190 Acq: 21-APR-2010 13:30:43 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text: LXM7T-1-AD :G0D080425-22S Exp: DIOXINRES8290A
 442.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)
 100 % 36:39 36:54 37:22 37:31 37:41 37:51 38:03 38:13 38:26 38:41 38:56



Run text: LXM73-1-AD Sample text: LXM73-1-AD :G0D080425-28
 Run #34 Filename: 21AP10B4D5 S: 33 I: 1 Results: 21AP10B4D58290AVG1
 Acquired: 22-APR-10 20:35:20 Processed: 23-APR-10 08:46:04
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.25 g

VB 4.25.6

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	195874200	0.81 y	19:34	-	14.364	-	-	n
13C-2,3,7,8-TCDF	242532000	0.79 y	18:59	1.52	158.871	0.083	81.4	n
2,3,7,8-TCDF	256319	0.87 y	19:01	0.95	0.218 <i>JB</i>	0.029	-	n
Total TCDF	2431046	0.61 n	16:49	0.95	2.069	0.029	-	n
13C-2,3,7,8-TCDD	178392300	0.80 y	19:46	0.95	187.122	0.125	95.9	n
2,3,7,8-TCDD	32555	0.01 n	19:47	1.02	0.035 <i>JA B</i>	0.021	-	n
Total TCDD	216066	0.47 n	15:20	1.02	0.231	0.021	-	n
37Cl-2,3,7,8-TCDD	167682200	1.00 y	19:47	2.26	73.868	0.012	94.6	n
13C-1,2,3,7,8-PeCDF	185543100	1.58 y	24:41	1.05	175.975	0.110	90.2	n
1,2,3,7,8-PeCDF	109299	2.40 n	24:43	1.04	0.110 <i>JA B</i>	0.032	-	n
2,3,4,7,8-PeCDF	112103	1.34 y	26:14	0.98	0.120 <i>JB</i>	0.034	-	n
Total F2 PeCDF	998062	2.60 n	22:56	1.01	1.036	0.033	-	n
Total F1 PeCDF	205439	0.17 n	15:24	1.01	0.213	0.035	-	n
13C-1,2,3,7,8-PeCDD	124713000	1.59 y	27:00	0.67	185.294	0.012	95.0	n
1,2,3,7,8-PeCDD	20700	0.84 n	27:03	0.98 <i>noise</i>	0.033 <i>D</i>	0.031	-	n
Total PeCDD	129304	1.27 n	22:31	0.98	0.206	0.031	-	n
13C-1,2,3,7,8,9-HxCDD	155044300	1.26 y	33:07	-	14.720	-	-	n
13C-1,2,3,4,7,8-HxCDF	132873400	0.53 y	31:58	1.02	163.163	0.009	83.6	n
1,2,3,4,7,8-HxCDF	156447	1.46 n	31:59	1.21	0.189 <i>JA B</i>	0.030	-	n
1,2,3,6,7,8-HxCDF	90151	1.22 y	32:06	1.34	0.099 <i>J</i>	0.027	-	n
2,3,4,6,7,8-HxCDF	70017	0.98 n	32:40	1.22	0.084 <i>JA</i>	0.029	-	y
1,2,3,7,8,9-HxCDF	84374	1.43 n	33:18	1.09	0.113 <i>L</i>	0.033	-	y
Total HxCDF	895976	1.70 n	30:37	1.22	1.083	0.030	-	y
13C-1,2,3,6,7,8-HxCDD	108957700	1.28 y	32:52	0.81	169.902	0.003	87.1	n
1,2,3,4,7,8-HxCDD	34211	1.48 n	32:48	1.01	0.061 <i>JA</i>	0.019	-	y
1,2,3,6,7,8-HxCDD	45463	1.71 n	32:52	1.11	0.073 <i>JA</i>	0.018	-	y
1,2,3,7,8,9-HxCDD	92254	1.15 y	33:07	1.21	0.137 <i>J</i>	0.016	-	n
Total HxCDD	283980	0.39 n	30:37	1.11	0.451	0.018	-	y
13C-1,2,3,4,6,7,8-HpCDF	105289400	0.43 y	34:38	0.86	153.614	0.377	78.7	n
1,2,3,4,6,7,8-HpCDF	256614	1.20 n	34:38	1.31	0.363 <i>JA B</i>	0.049	-	n
1,2,3,4,7,8,9-HpCDF	104874	1.12 y	35:45	1.03	0.189 <i>J</i>	0.062	-	n
Total HpCDF	543199	1.22 n	34:38	1.17	0.841	0.054	-	n
13C-1,2,3,4,6,7,8-HpCDD	95774800	1.06 y	35:26	0.70	172.807	0.260	88.6	n
1,2,3,4,6,7,8-HpCDD	110844	1.07 y	35:27	1.07	0.211 <i>JB</i>	0.051	-	n
Total HpCDD	229185	2.18 n	34:38	1.07	0.436	0.051	-	n
13C-OCDD	135605000	0.90 y	37:56	0.53	321.155	0.259	82.3	n
OCDF	426685	0.85 y	38:03	1.45	0.850 <i>JB</i>	0.056	-	n

OCDD

230162 0.70 n 37:57 1.17

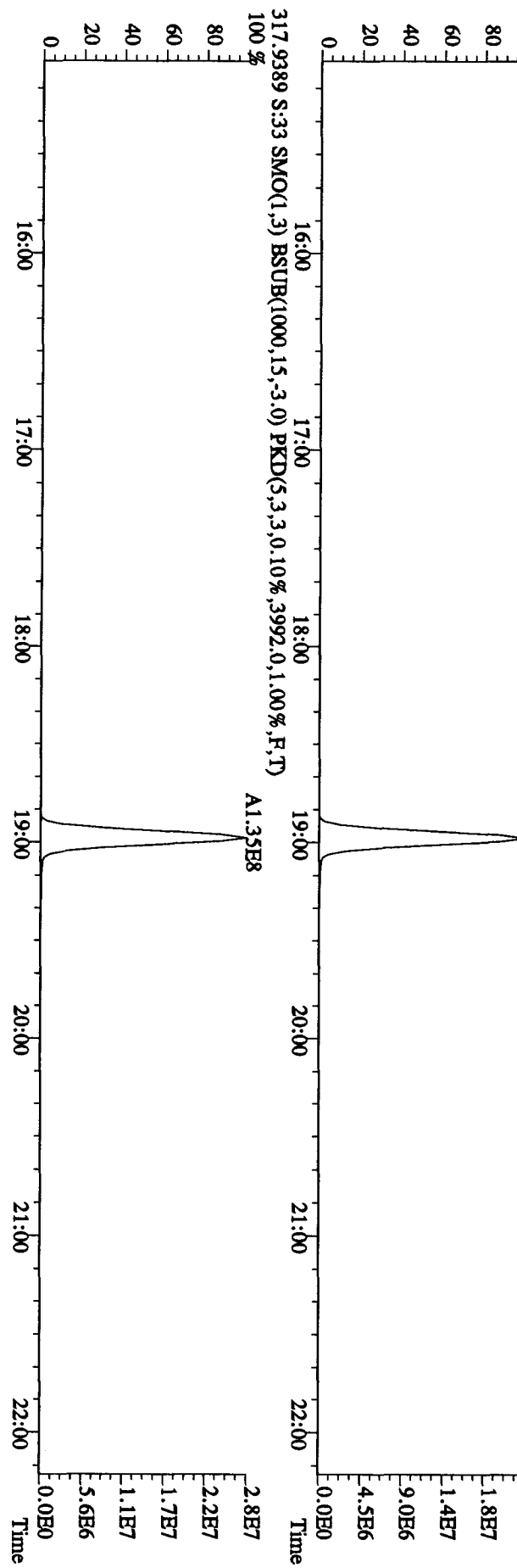
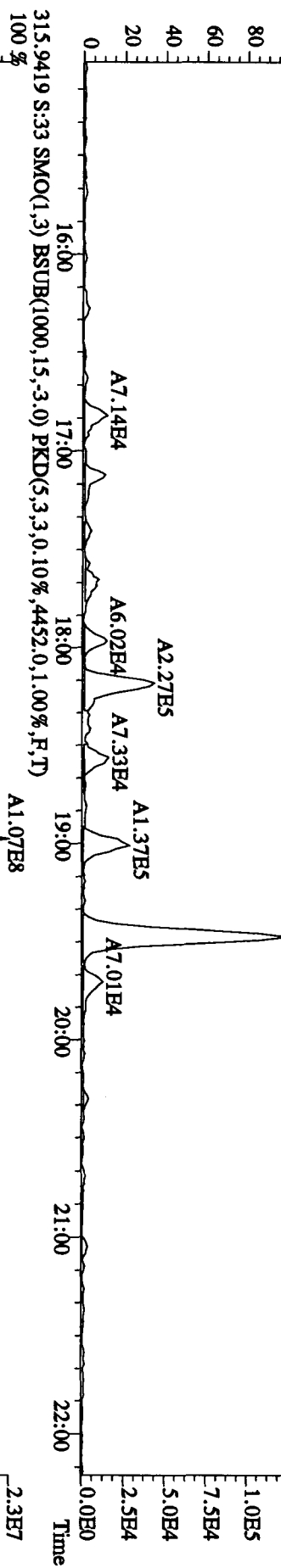
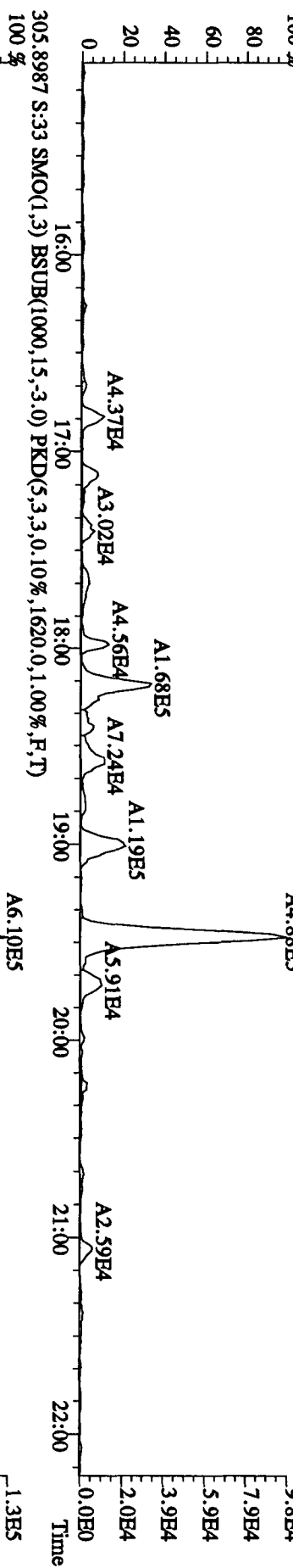
0.568 *SOB* 0.065

- n

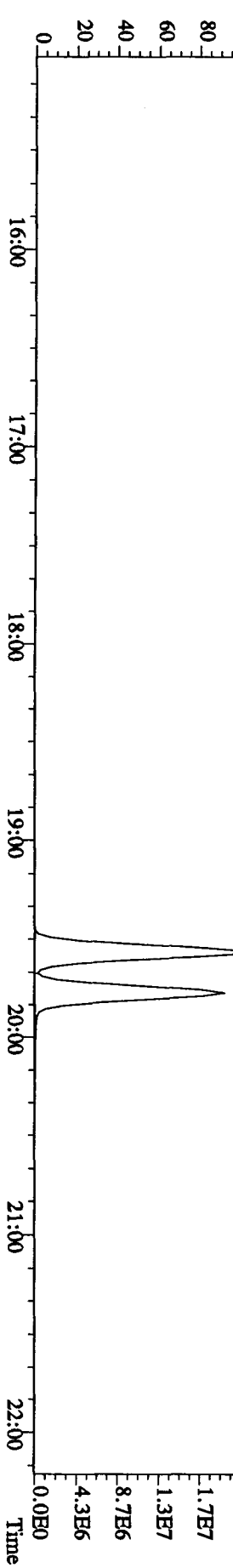
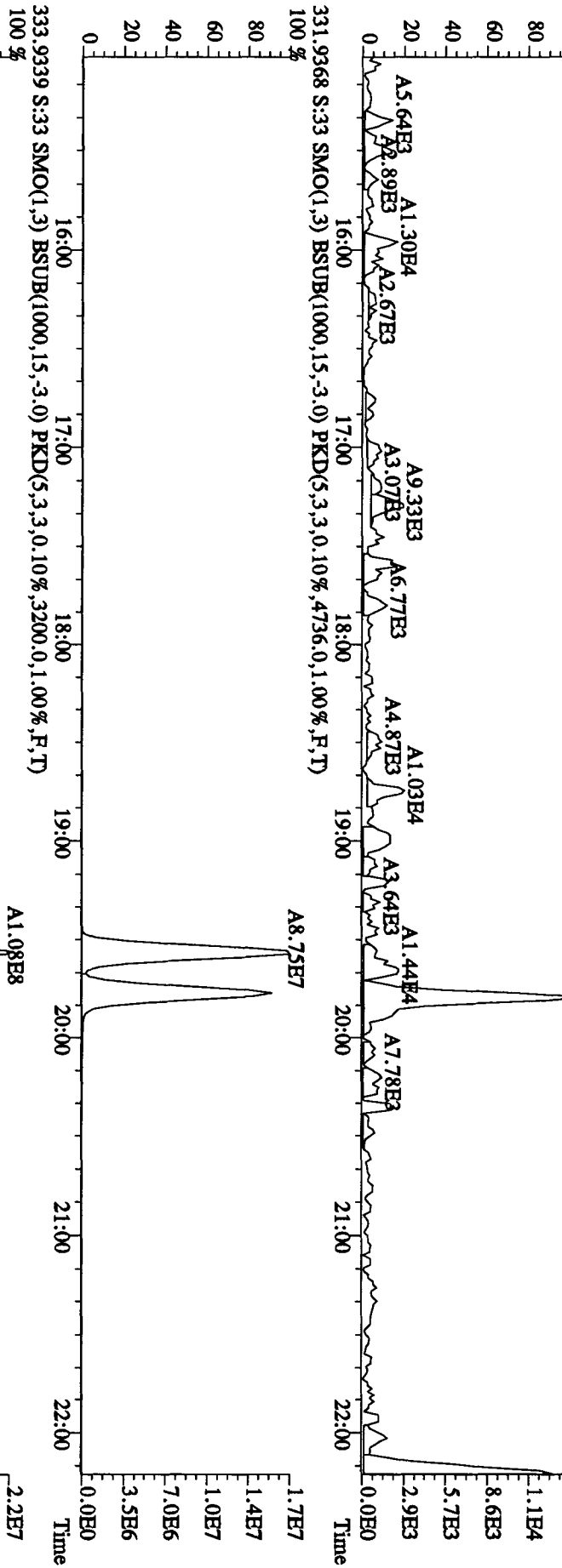
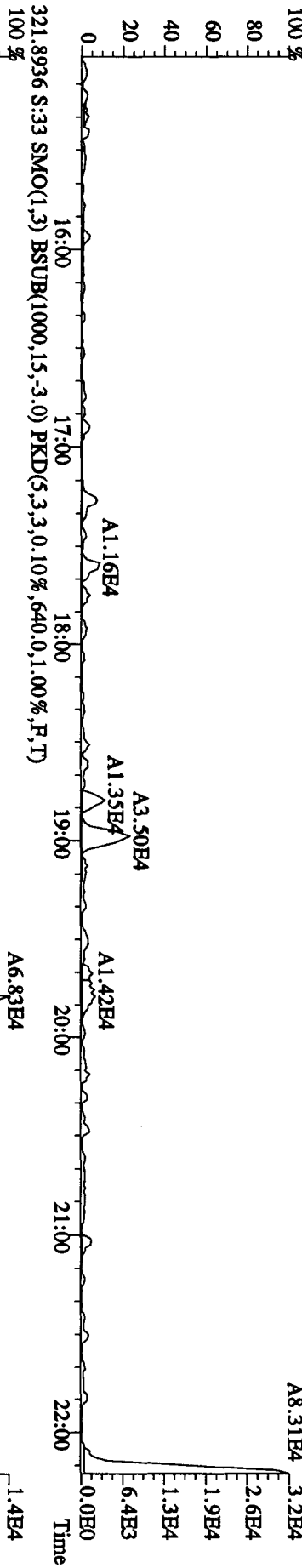
Run text: LXM73-1-AD Sample text: LXM73-1-AD :G0D080425-28
 Run #34 Filename: 21AP10B4D5 S: 33 I: 1 Results: 21AP10B4D58290A
 Acquired: 22-APR-10 20:35:20 Processed: 23-APR-10 08:46:04
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.25 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	195874200	0.81 y	19:34	-	14.3640	-	-	n
13C-2,3,7,8-TCDF	242532000	0.79 y	18:59	1.52	158.8706	0.0830	81.4	n
2,3,7,8-TCDF	256319	0.87 y	19:01	0.95	0.2181	0.0291	-	n
Total TCDF	2431046	0.61 n	16:49	0.95	2.0690	0.0291	-	n
13C-2,3,7,8-TCDD	178392300	0.80 y	19:46	0.95	187.1217	0.1248	95.9	n
2,3,7,8-TCDD	32555	0.21 n	19:47	1.02	0.0349	0.0212	-	n
Total TCDD	216066	0.47 n	15:20	1.02	0.2315	0.0212	-	n
37Cl-2,3,7,8-TCDD	167682200	1.00 y	19:47	2.26	73.8683	0.0122	94.6	n
13C-1,2,3,7,8-PeCDF	185543100	1.58 y	24:41	1.05	175.9746	0.1095	90.2	n
1,2,3,7,8-PeCDF	109299	2.40 n	24:43	1.04	0.1100	0.0319	-	n
2,3,4,7,8-PeCDF	112103	1.34 y	26:14	0.98	0.1200	0.0339	-	n
Total F2 PeCDF	998062	2.60 n	22:56	1.01	1.0350	0.0329	-	n
Total F1 PeCDF	205439	0.17 n	15:24	1.01	0.2132	0.0346	-	n
13C-1,2,3,7,8-PeCDD	124713000	1.59 y	27:00	0.67	185.2945	0.0119	95.0	n
1,2,3,7,8-PeCDD	20700	0.84 n	27:03	0.98	0.0330	0.0310	-	n
Total PeCDD	129304	1.27 n	22:31	0.98	0.2060	0.0310	-	n
13C-1,2,3,7,8,9-HxCDD	155044300	1.26 y	33:07	-	14.7204	-	-	n
13C-1,2,3,4,7,8-HxCDF	132873400	0.53 y	31:58	1.02	163.1635	0.0086	83.6	n
1,2,3,4,7,8-HxCDF	156447	1.46 n	31:59	1.21	0.1895	0.0297	-	n
1,2,3,6,7,8-HxCDF	90151	1.22 y	32:06	1.34	0.0986	0.0268	-	n
2,3,4,6,7,8-HxCDF	52248	0.76 n	32:40	1.22	0.0628	0.0295	-	n
1,2,3,7,8,9-HxCDF	123615	1.25 y	33:18	1.09	0.1662	0.0330	-	n
Total HxCDF	917448	1.70 n	30:37	1.22	1.1140	0.0296	-	n
13C-1,2,3,6,7,8-HxCDD	108957800	1.28 y	32:52	0.81	169.9021	0.0034	87.1	n
1,2,3,4,7,8-HxCDD	54063	2.48 n	32:52	1.01	0.0962	0.0194	-	n
1,2,3,6,7,8-HxCDD	54063	2.48 n	32:52	1.11	0.0869	0.0176	-	n
1,2,3,7,8,9-HxCDD	92254	1.15 y	33:07	1.21	0.1366	0.0162	-	n
Total HxCDD	282384	0.39 n	30:37	1.11	0.4431	0.0176	-	n
13C-1,2,3,4,6,7,8-HpCDF	105289400	0.43 y	34:38	0.86	153.6139	0.3769	78.7	n
1,2,3,4,6,7,8-HpCDF	256614	1.22 n	34:38	1.31	0.3631	0.0485	-	n
1,2,3,4,7,8,9-HpCDF	104874	1.12 y	35:45	1.03	0.1895	0.0620	-	n
Total HpCDF	543199	1.22 n	34:38	1.17	0.8410	0.0544	-	n
13C-1,2,3,4,6,7,8-HpCDD	95774800	1.06 y	35:26	0.70	172.8067	0.2598	88.6	n
1,2,3,4,6,7,8-HpCDD	110844	1.07 y	35:27	1.07	0.2107	0.0512	-	n
Total HpCDD	229185	2.18 n	34:38	1.07	0.4356	0.0512	-	n
13C-OCDD	135605000	0.90 y	37:56	0.53	321.1554	0.2588	82.3	n
OCDF	426685	0.85 y	38:03	1.45	0.8496	0.0561	-	n
OCDD	230162	0.70 n	37:57	1.17	0.5679	0.0652	-	n

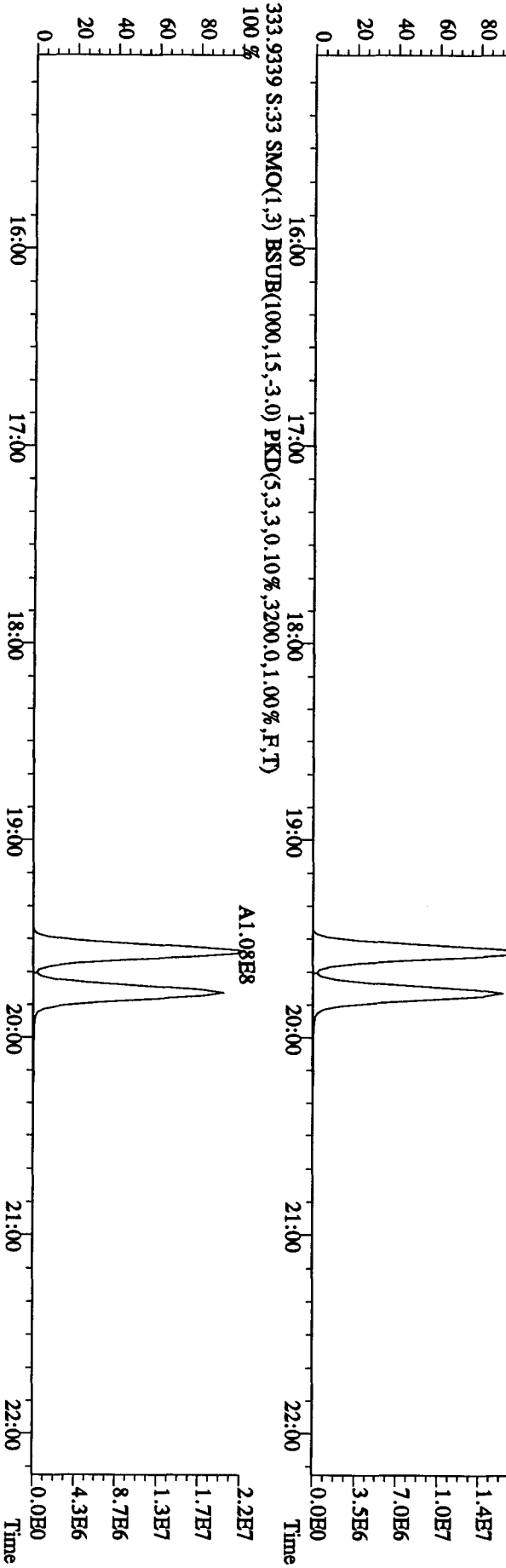
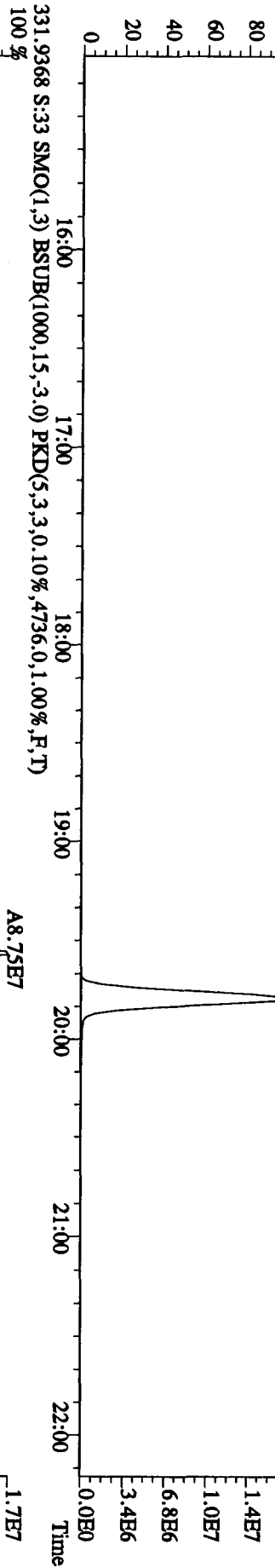
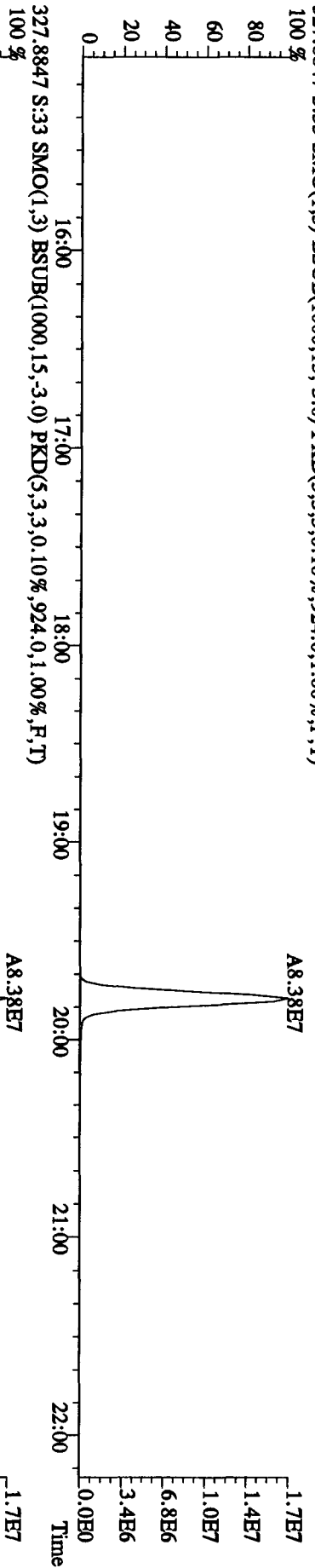
File:21AP10B4D5 #1-434 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 303.9016 S:33 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,760,0,1,00%,F,T)



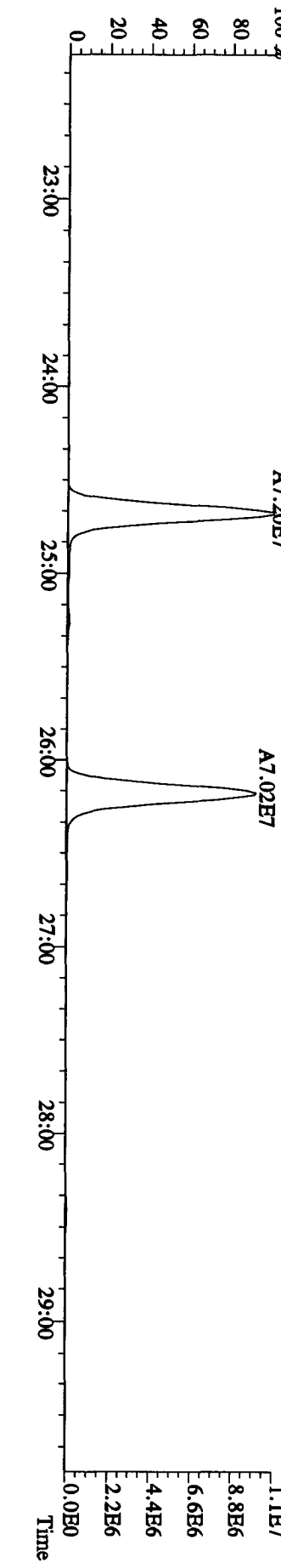
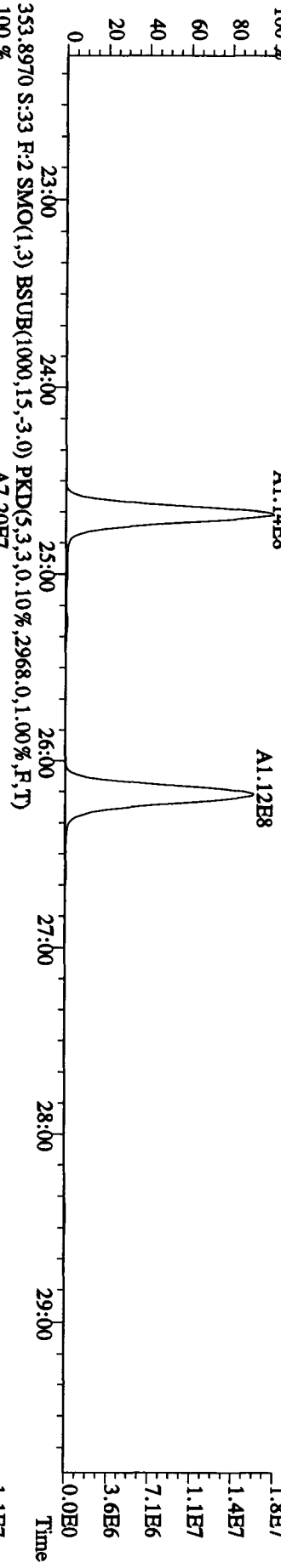
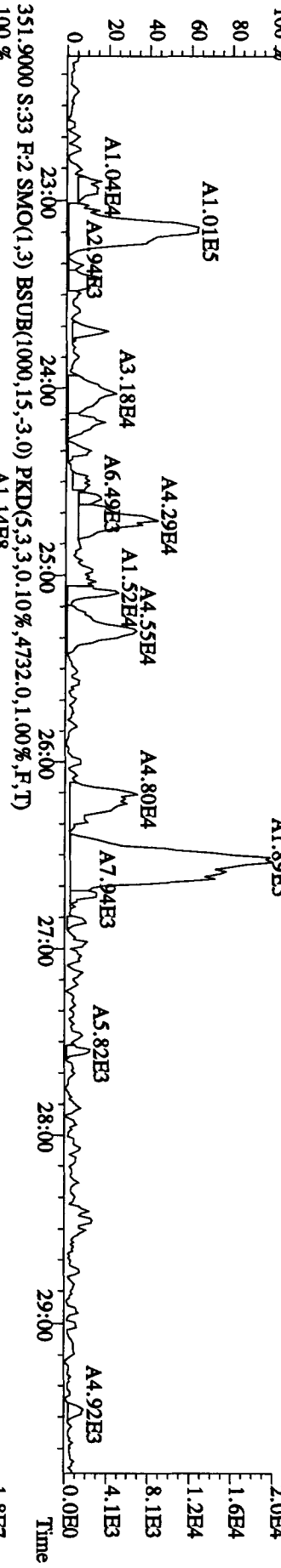
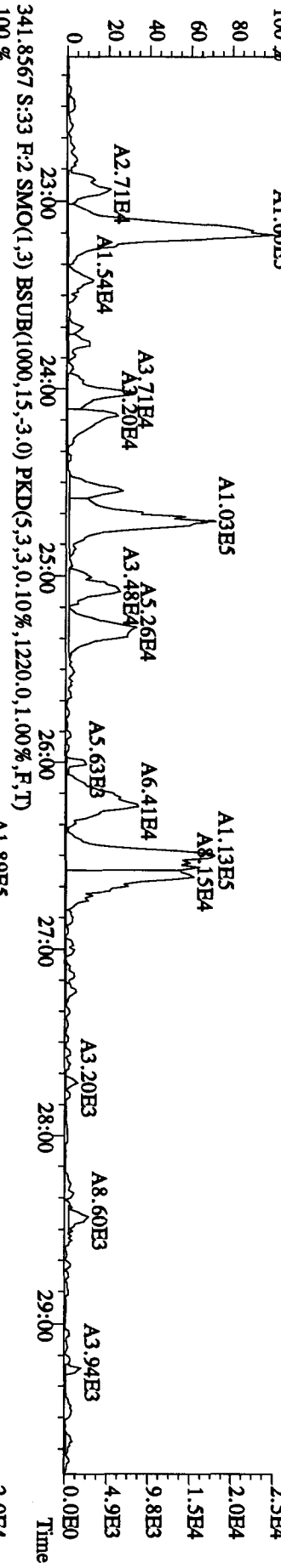
File:21AD10B4D5 #1-434 Acq:22-APR-2010 20:35:20 GC-EL+ Voltage SIR Autospec-Ultimate
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 319.8965 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692.0,1.00%,F,T)



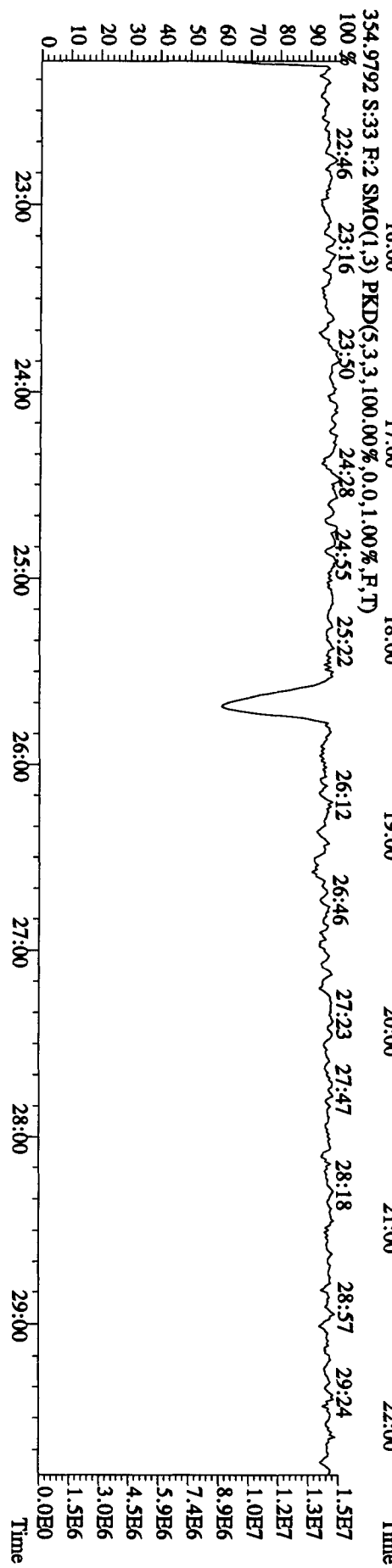
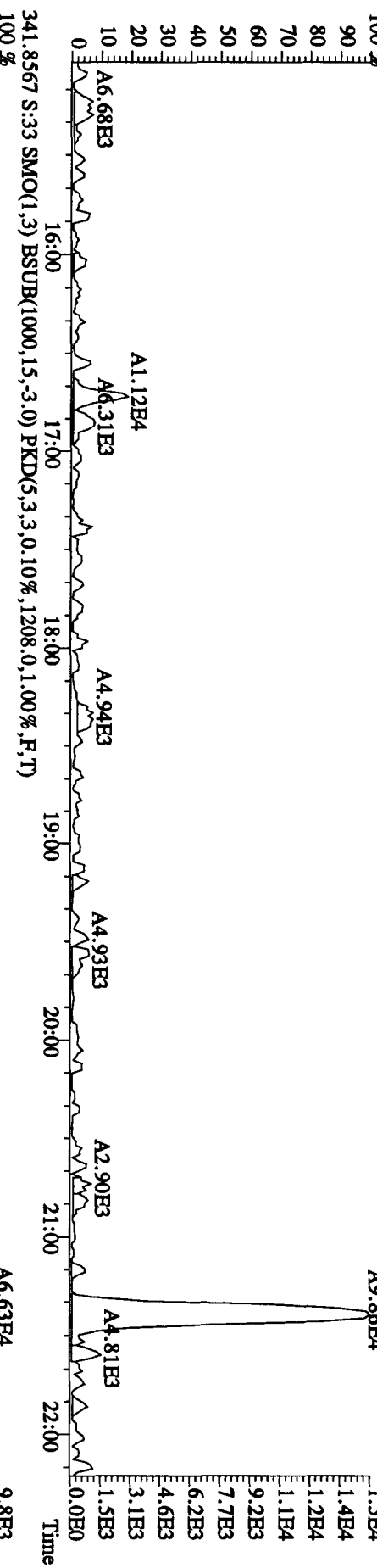
File: 21AD10B4D5 #1-434 Acq: 22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#33 Text: LXM73-1-AD :G0D080425-28 Exp: DIOXINRES8290A
 327.8847 S:33 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,924.0,1.00%,F,T)



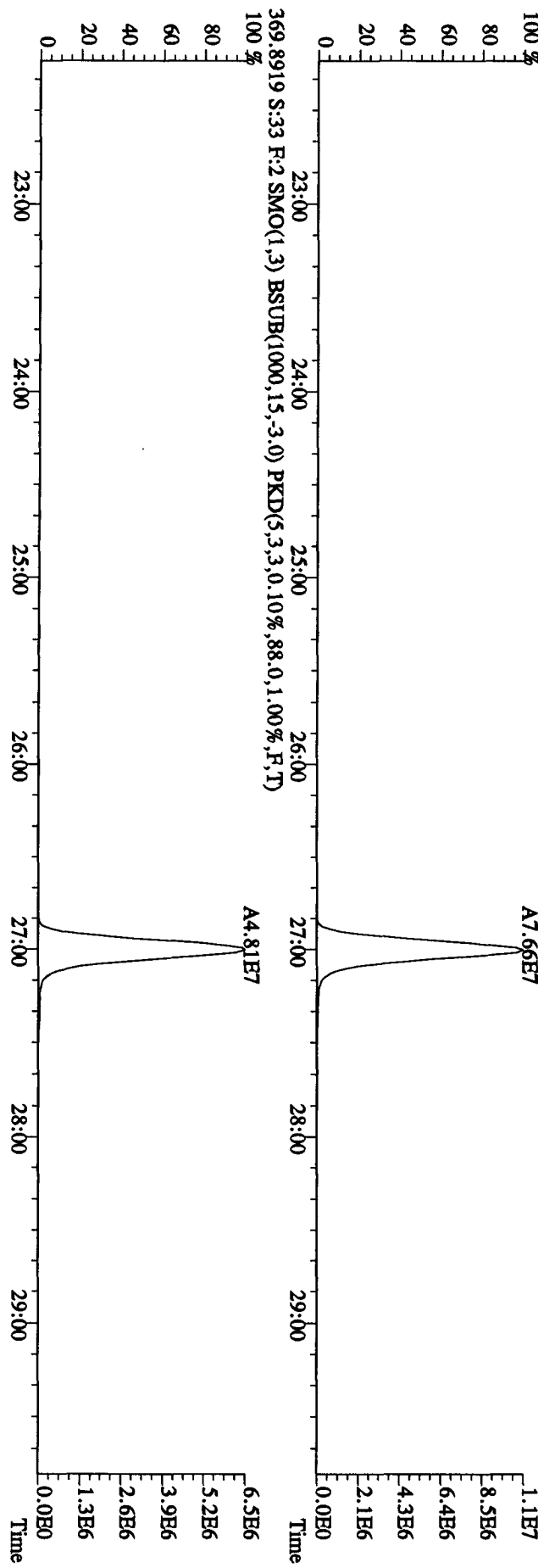
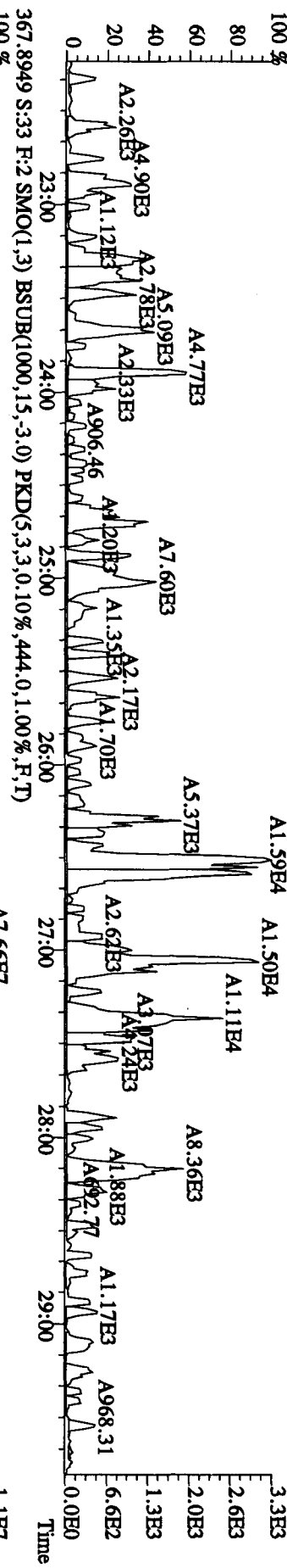
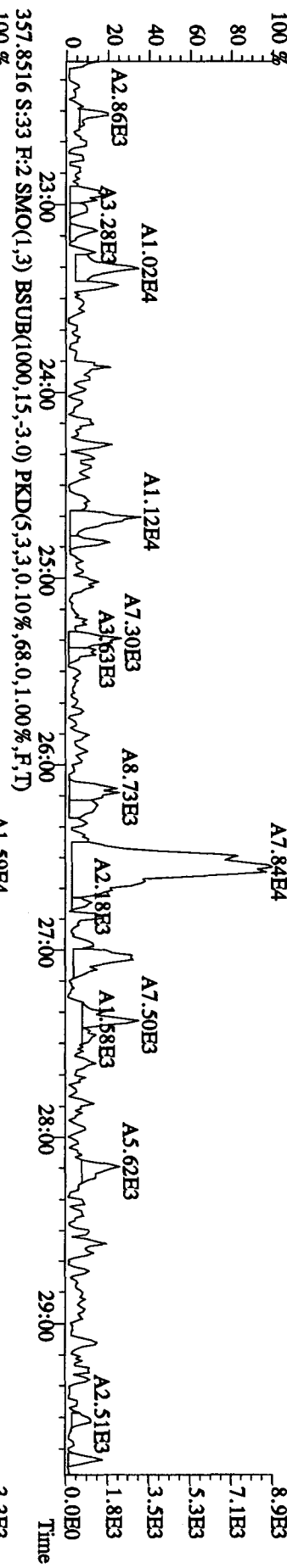
File:21AD10B4D5 #1-604 Acq:22-APR-2010 20:35:20 GC EI+ Voltage:51R Autospec-Ultimate
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 339.8597 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,420.0,1.00%,F,T)
 100% A1.60E5



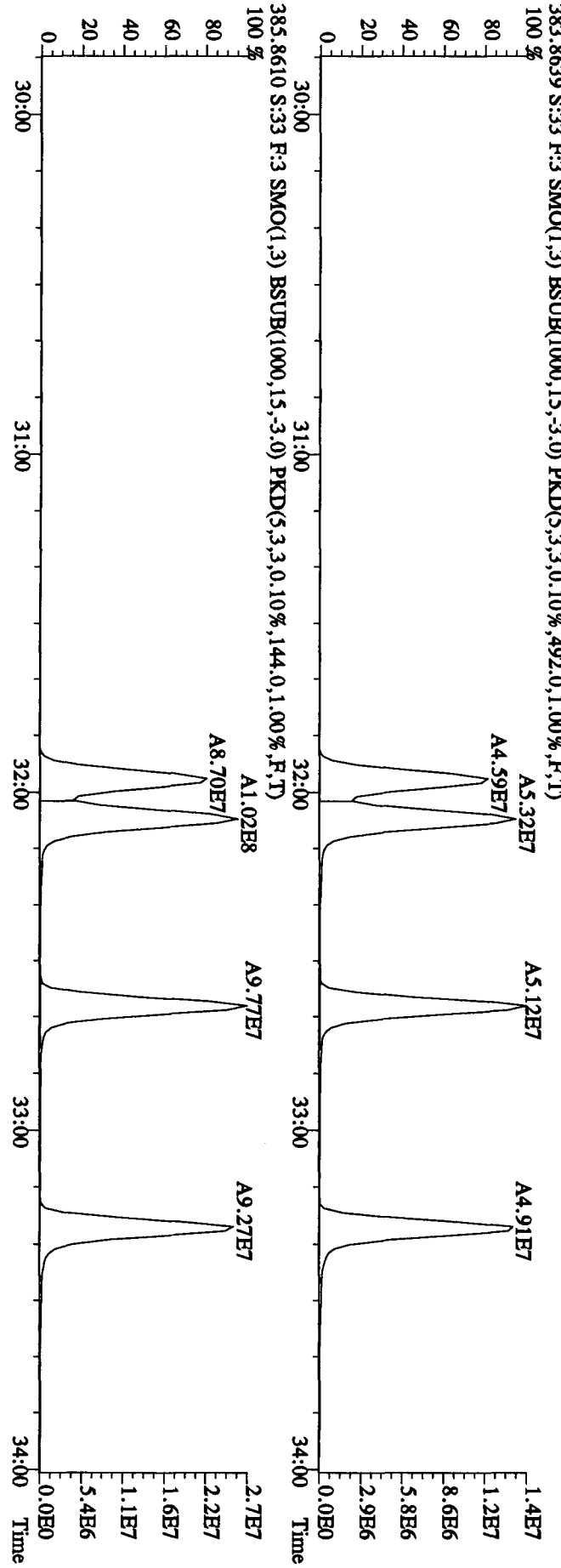
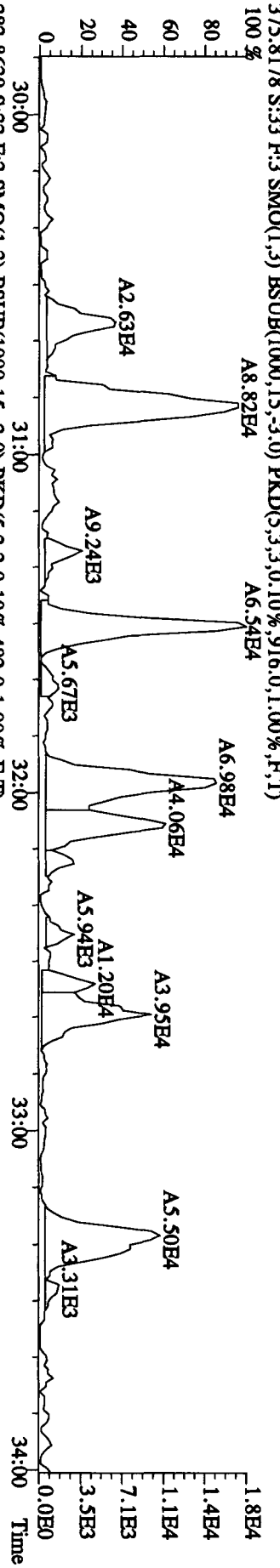
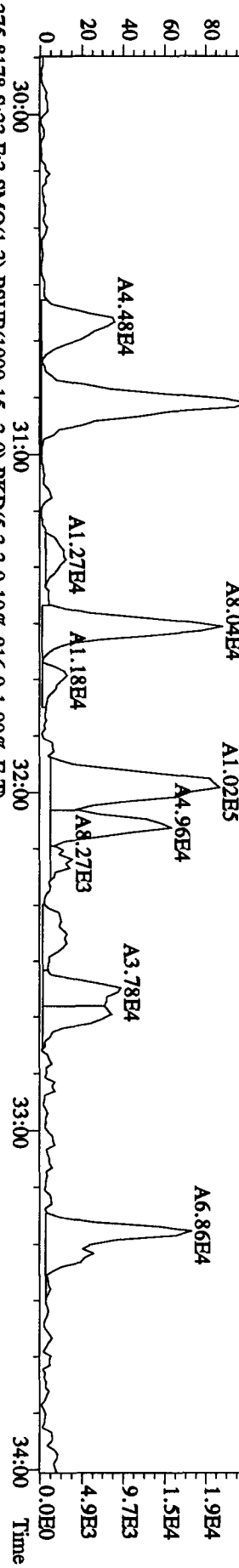
File:21AP10B4D5 #1-434 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 339.8597 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,516.0,1.00%,F,T)



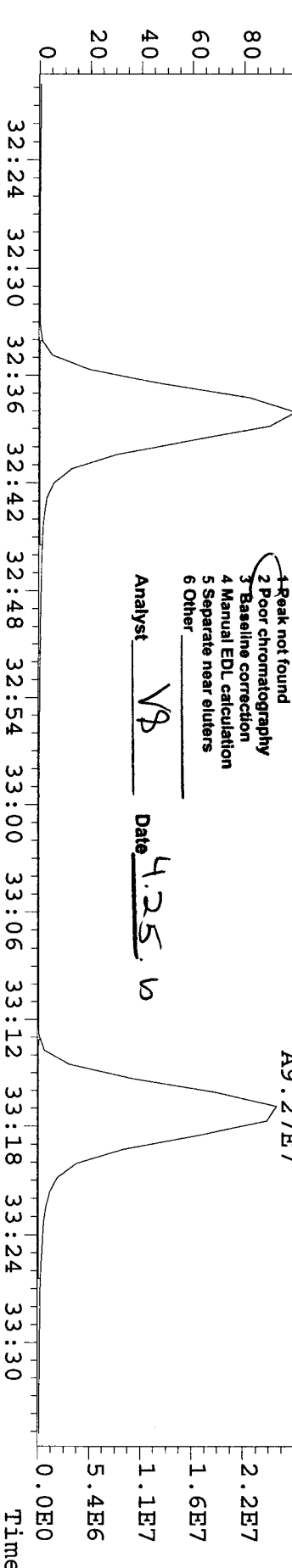
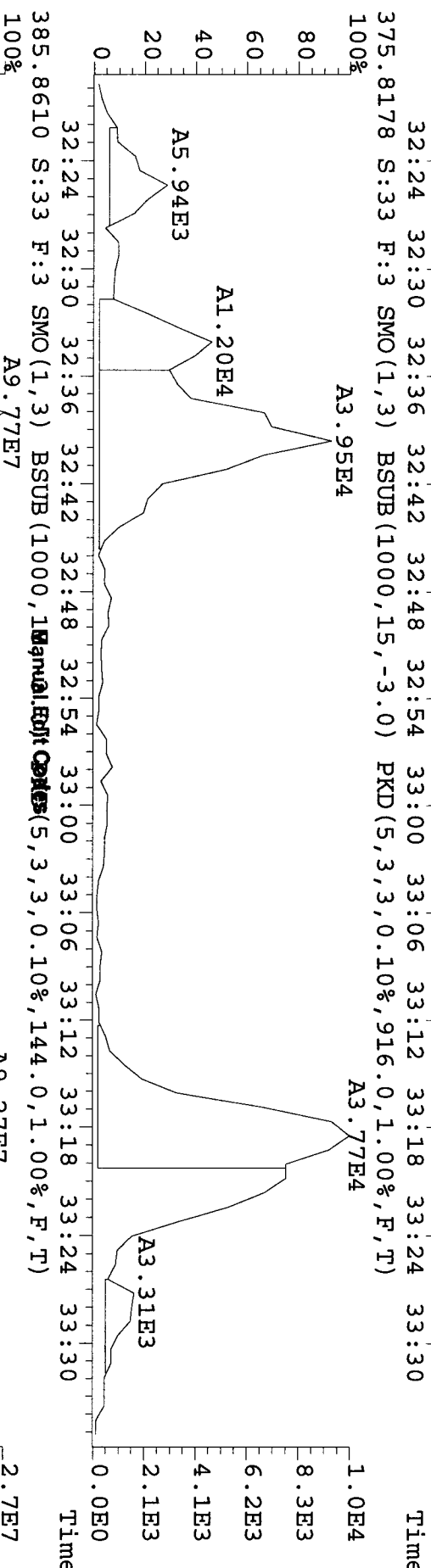
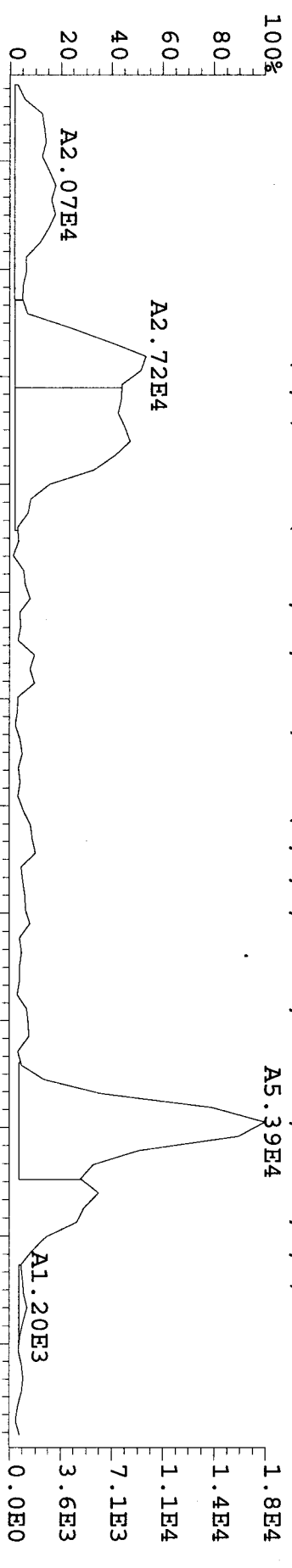
File:21AD10B4D5 #1-604 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 357.8516 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,820.0,1.00%,F,T)



File:21AP10B4D5 #1-317 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimate
Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
373.8208 S:33 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1160,0,1,00%,F,T)
100%



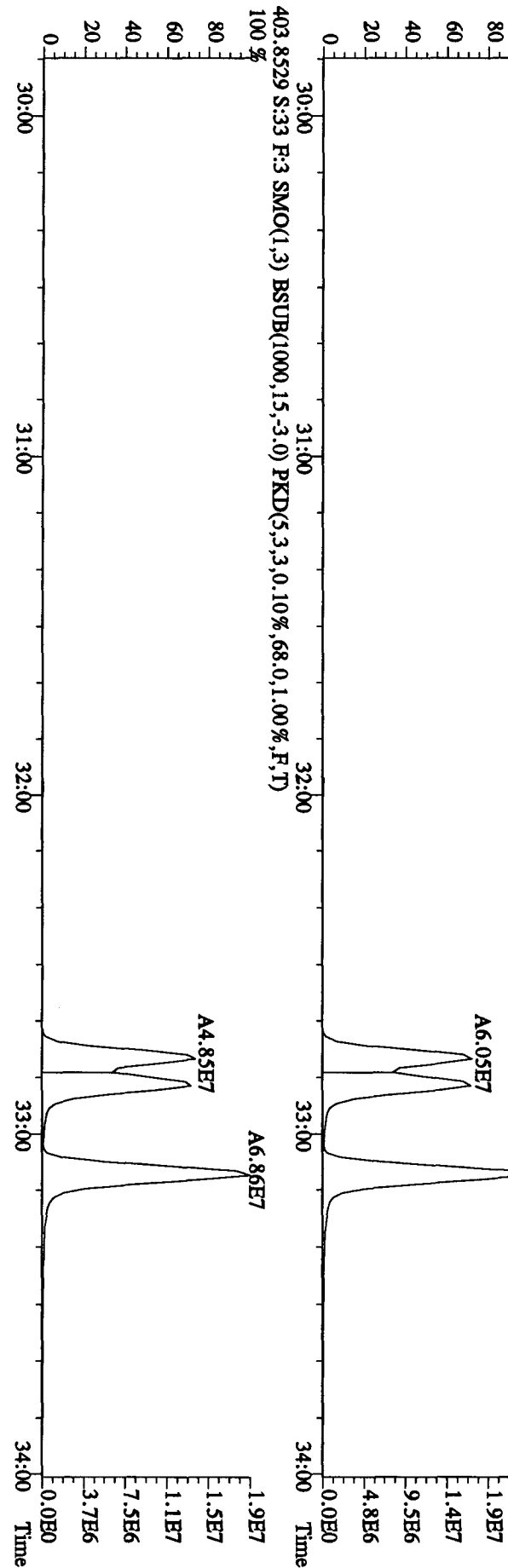
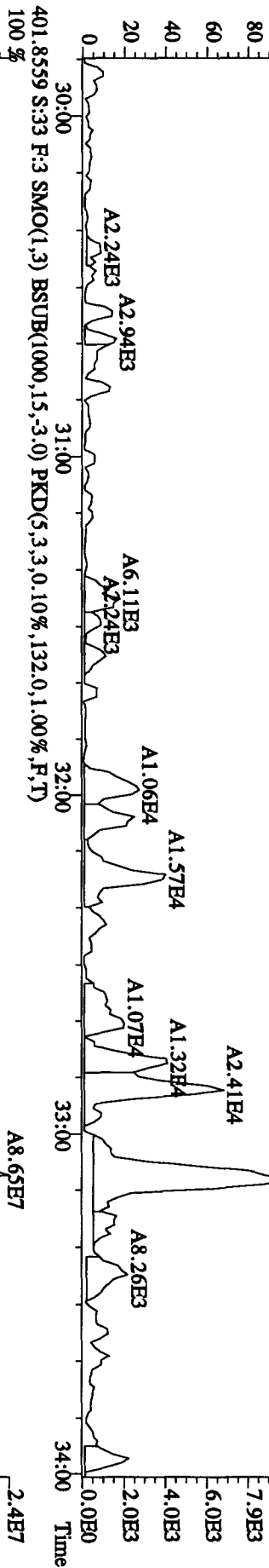
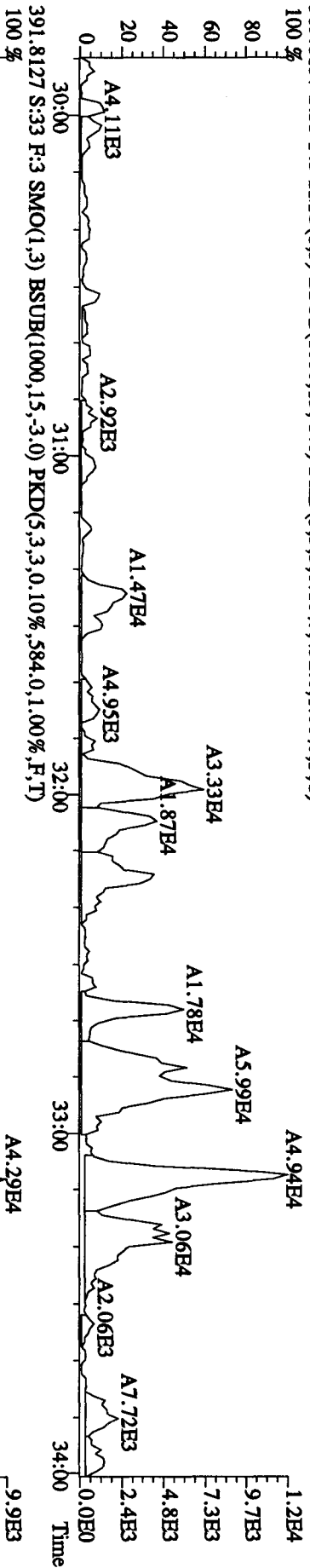
File: 21API0B4D5 #1-317 Acq: 22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#33 Text: LXM73-1-AD :G0D080425-28 Exp: DIOXINRES8290A
 373.8208 S:33 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1160.0,1.00%,F,T)



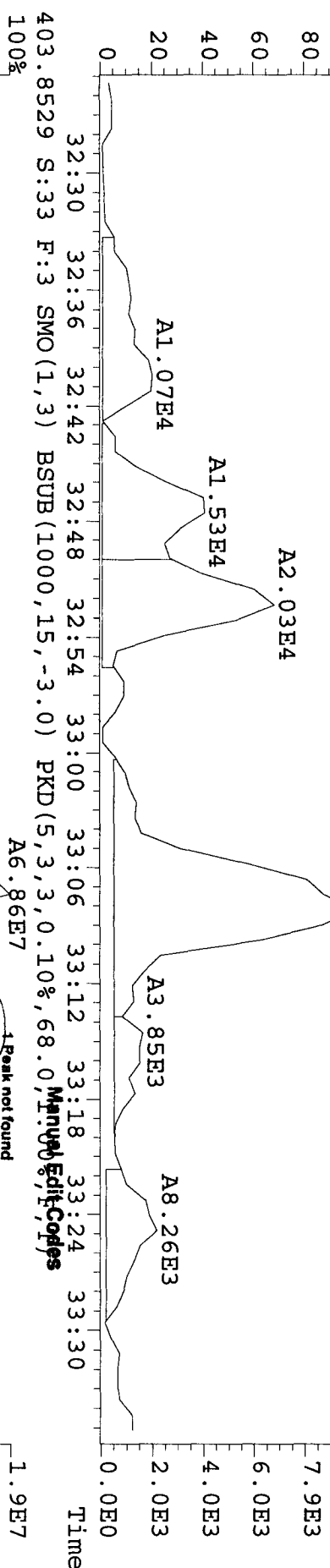
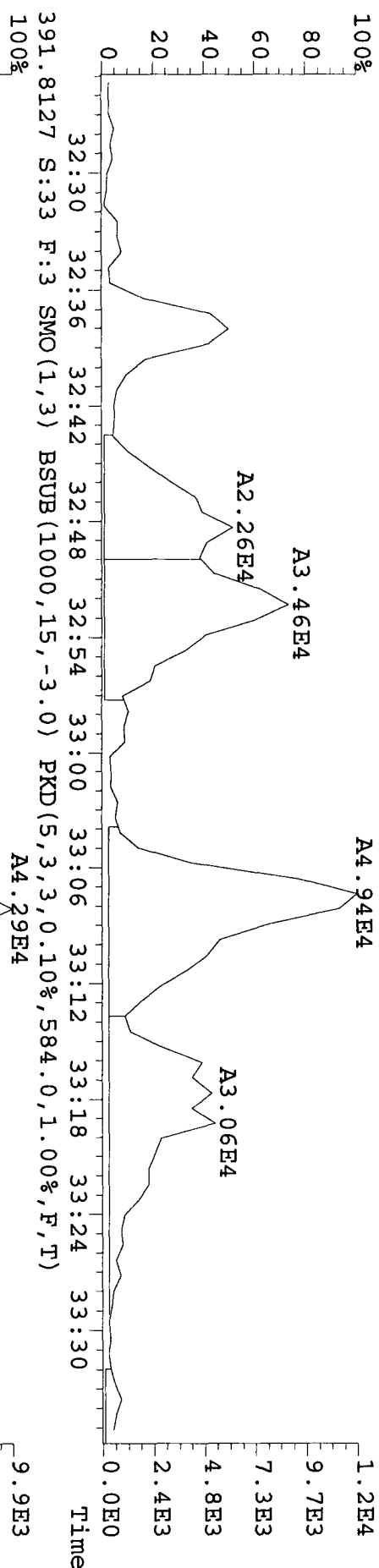
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VB Date 4.25.10

File:21AP10B4D5 #1-317 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 389.8157 S:33 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,432.0,1.00%,F,T) 100 %



File: 21API0B4D5 #1-317 Acq: 22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#33 Text: LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 389.8157 S:33 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,432.0,1.00%,F,T)
 100%

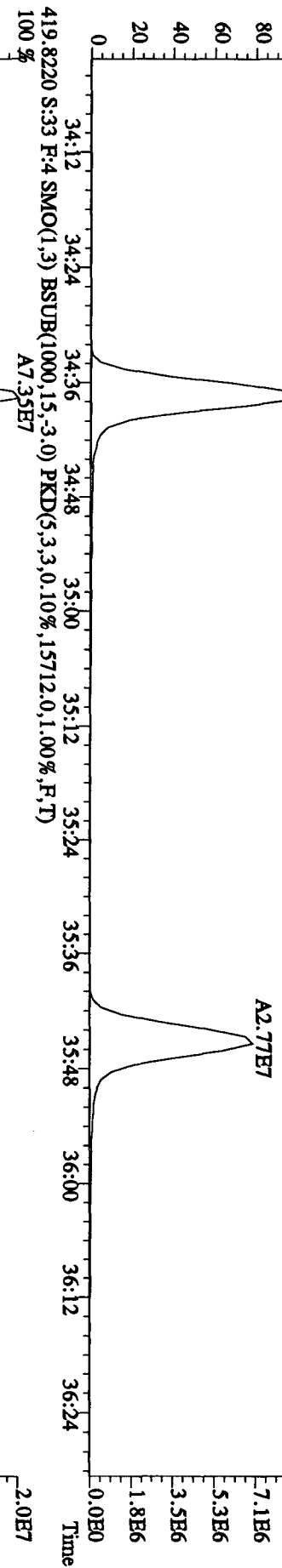
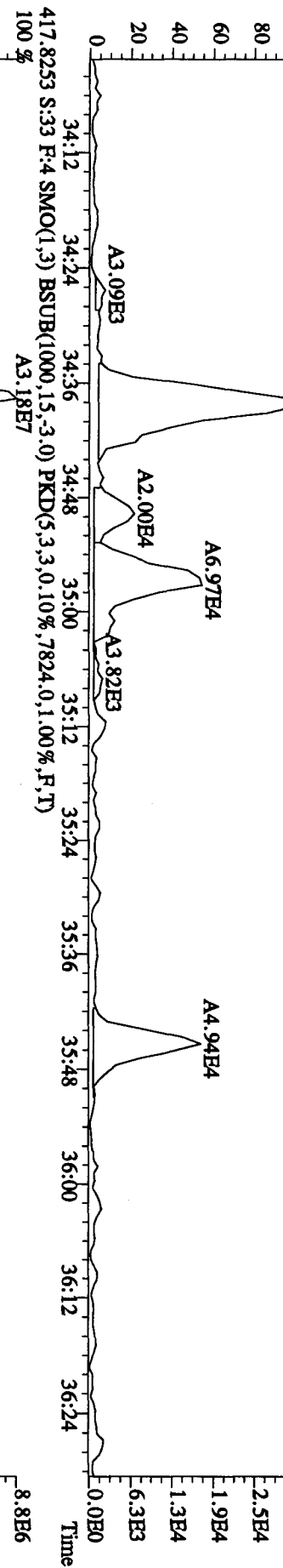
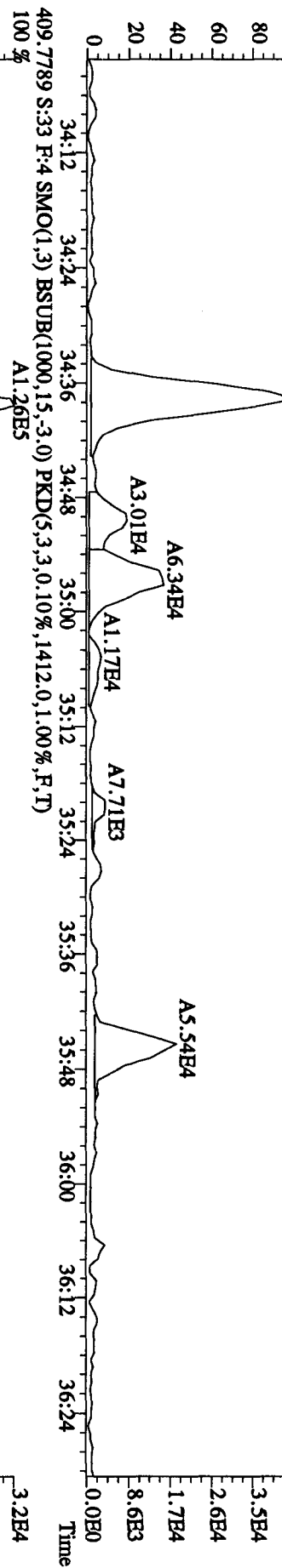


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

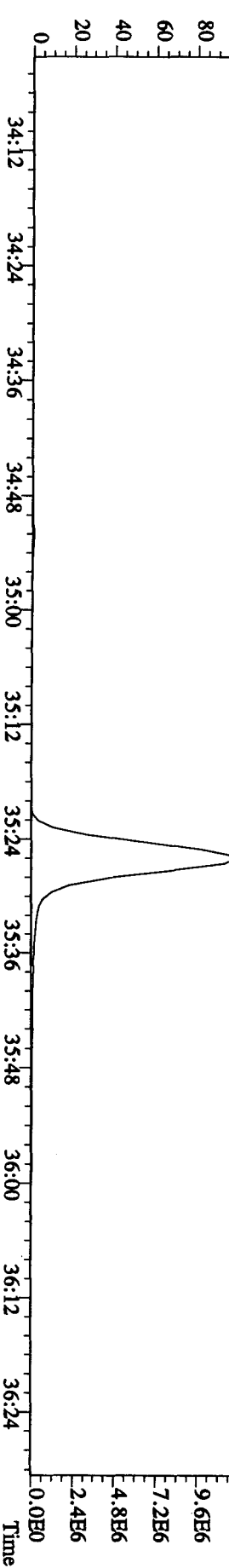
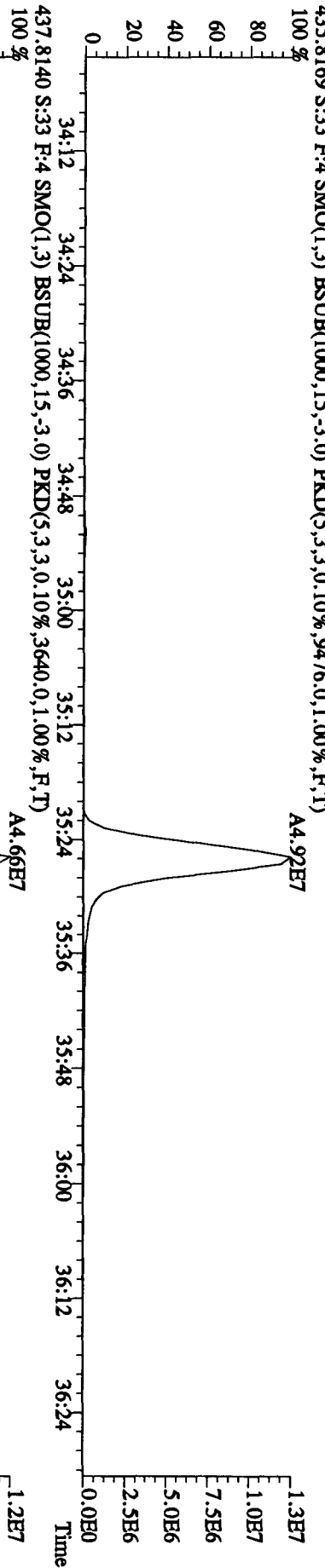
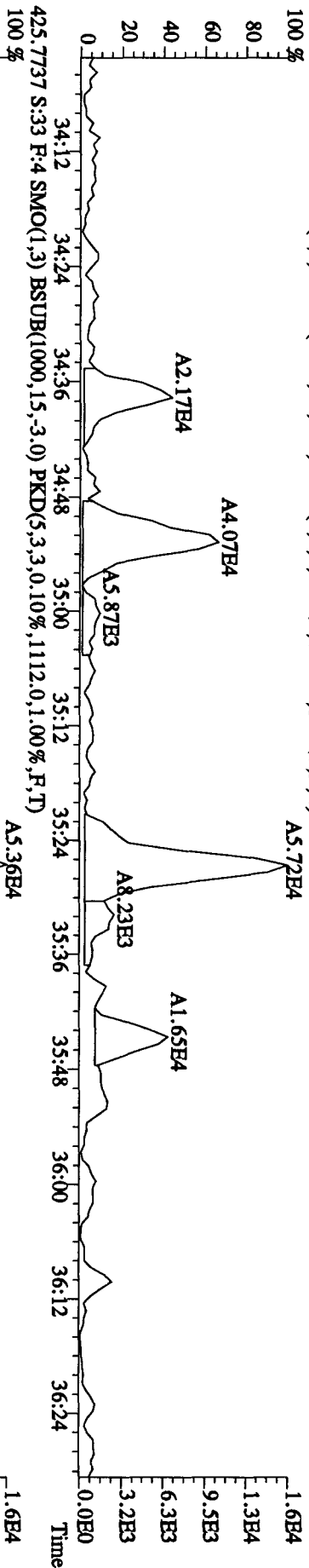
Analyst VP Date 4.25.10

Manual Edit Codes

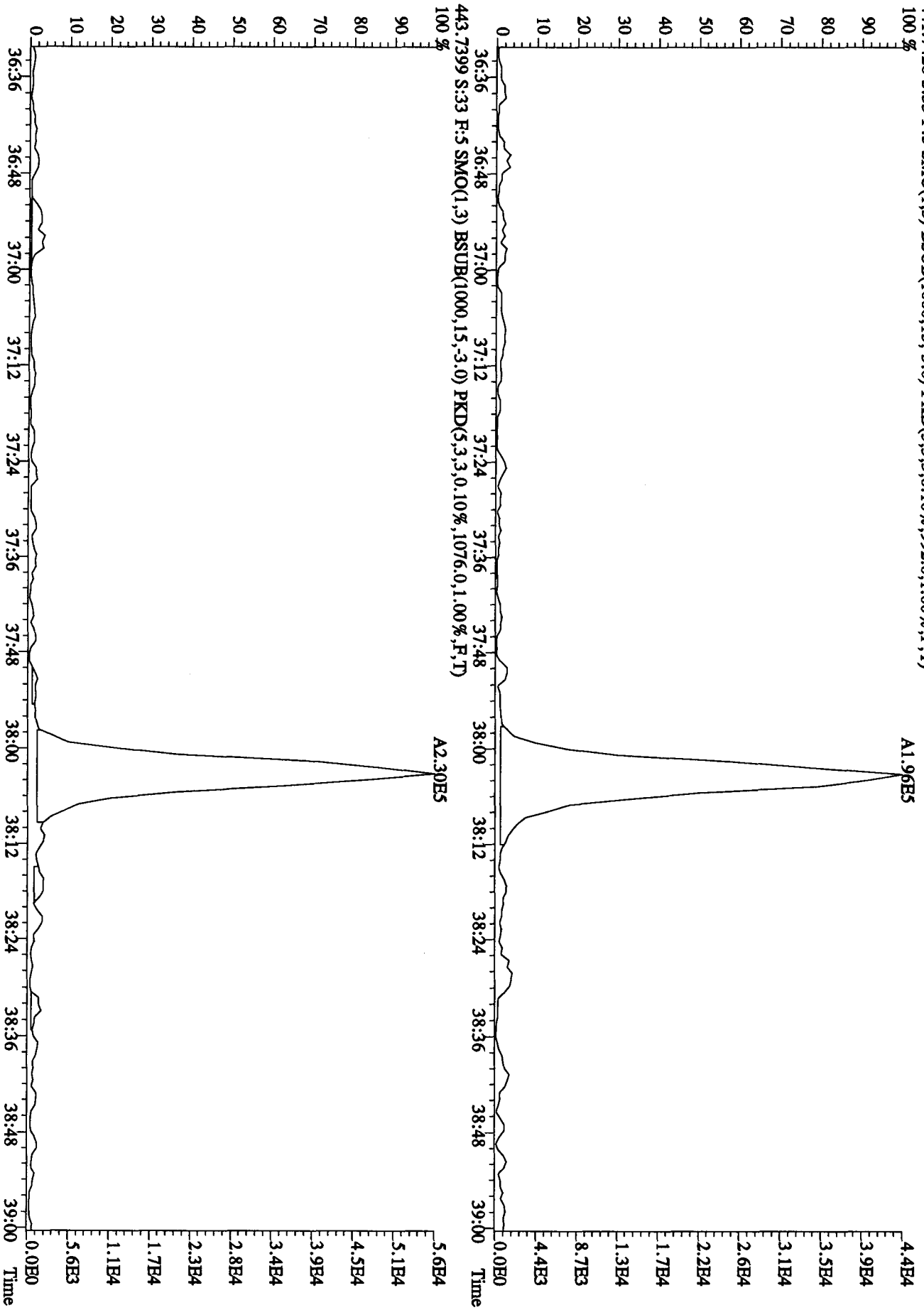
File:21AP10B4D5 #1-198 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 407.7818 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1748.0,1.00%,F,T)



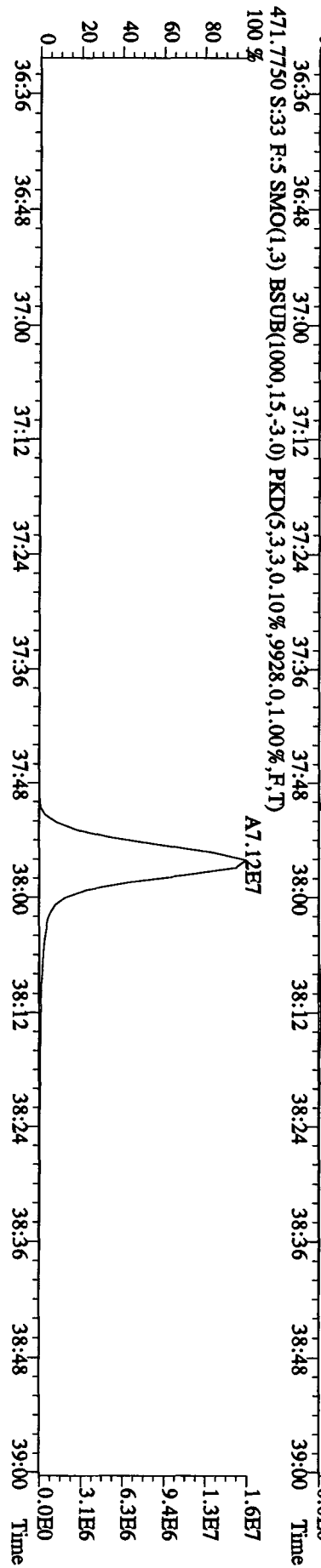
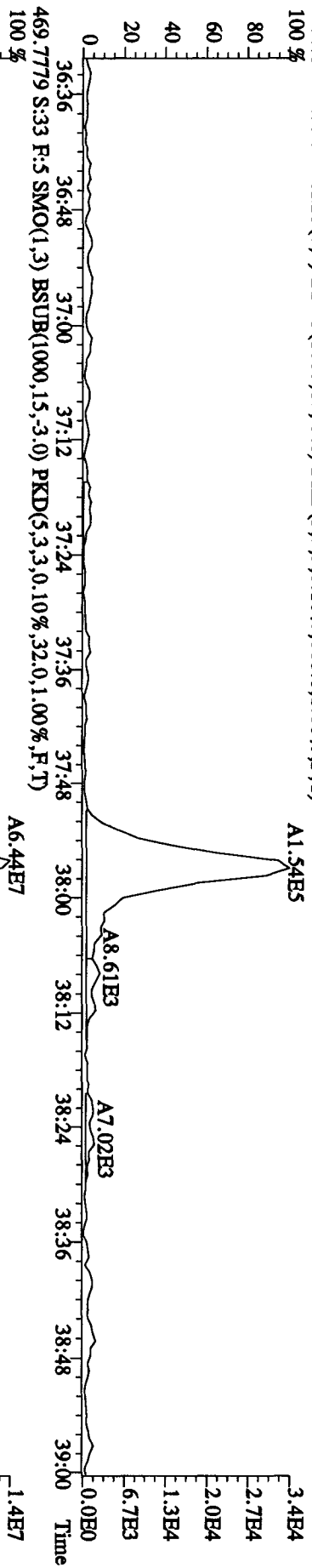
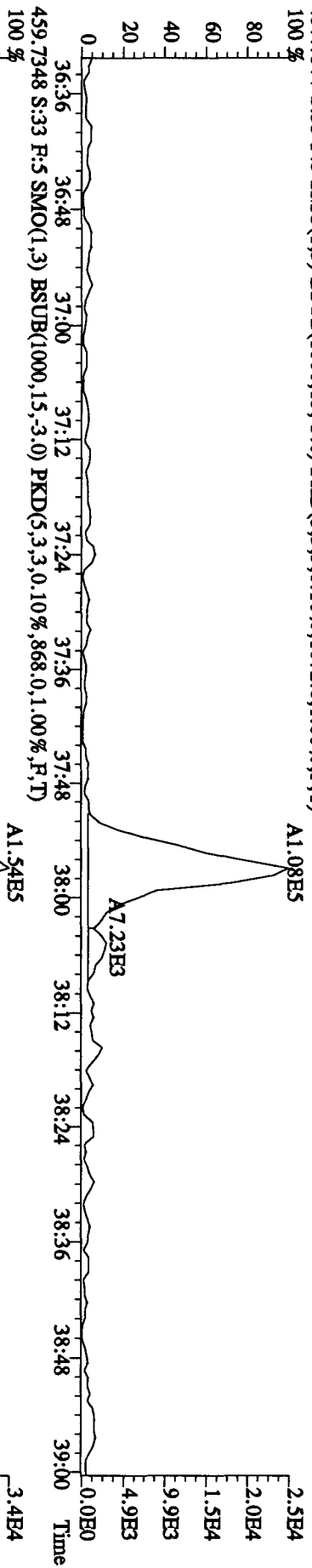
File:21AP10B4D5 #1-198 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 423.7766 S:33 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



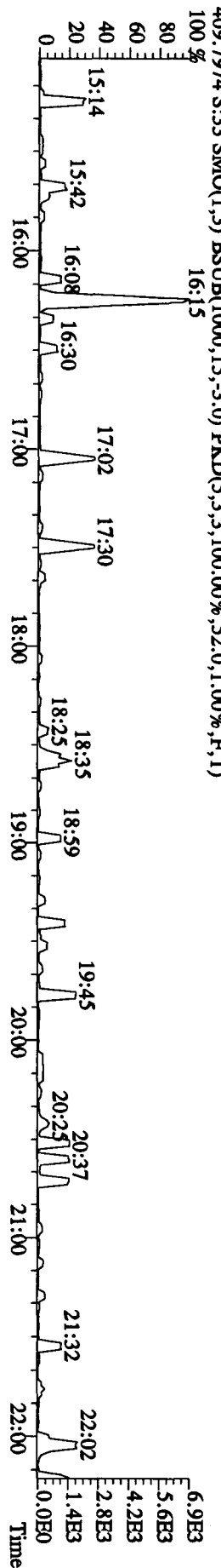
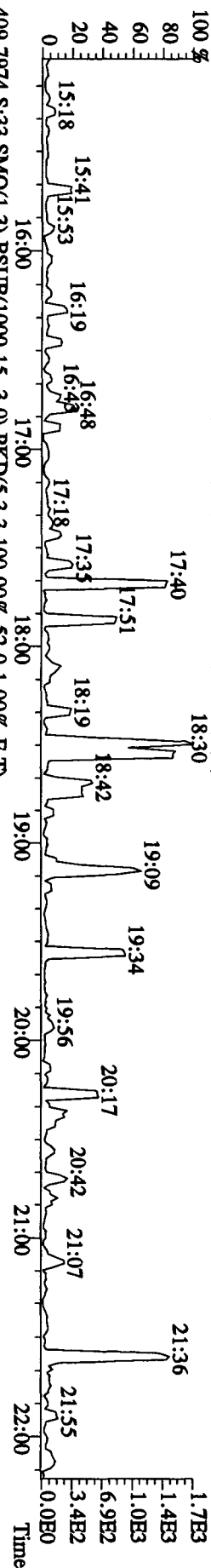
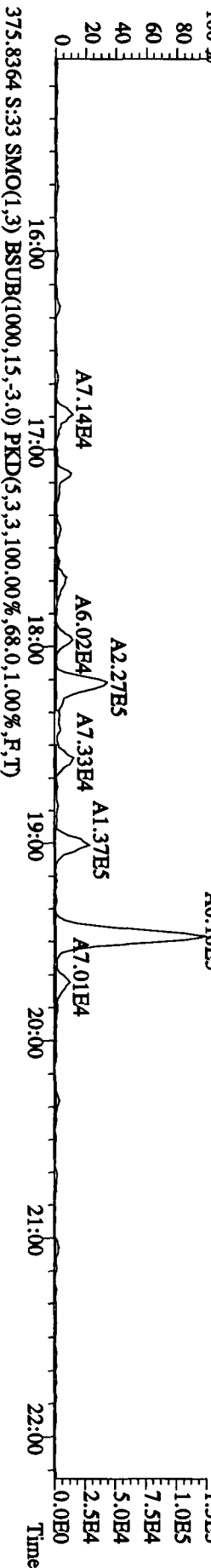
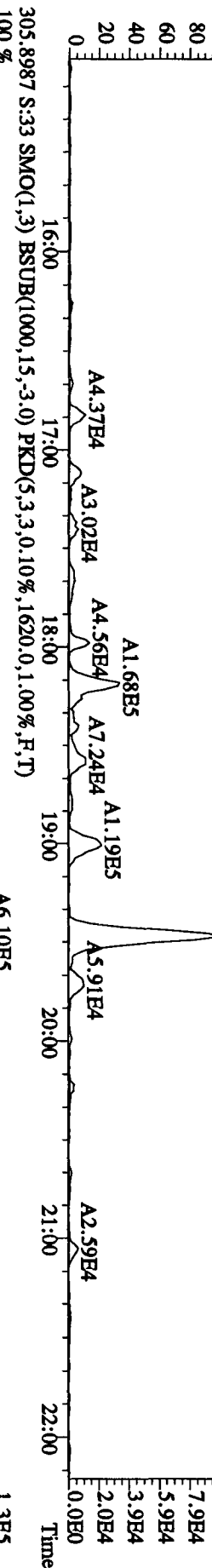
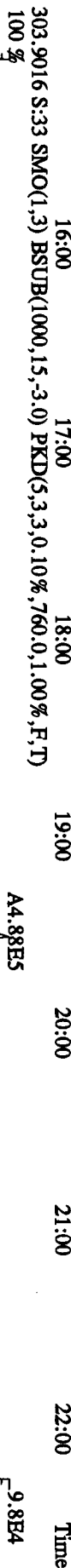
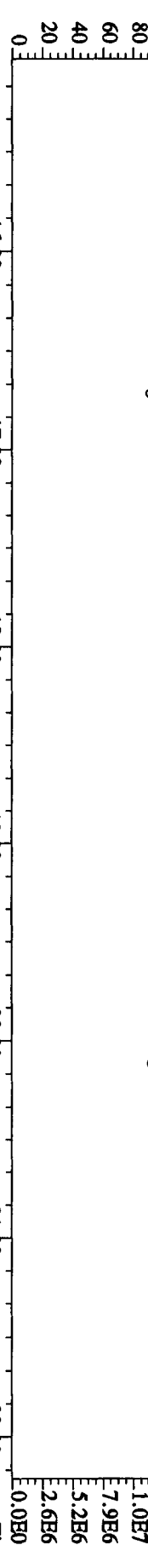
File:21ADP10B4D5 #1-190 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
 441.7428 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



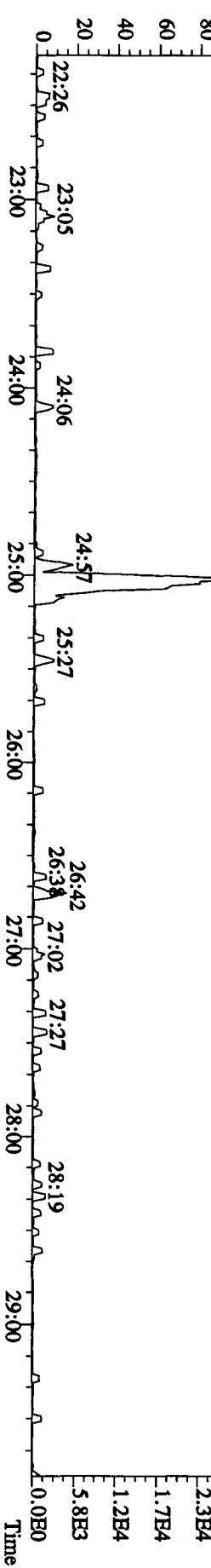
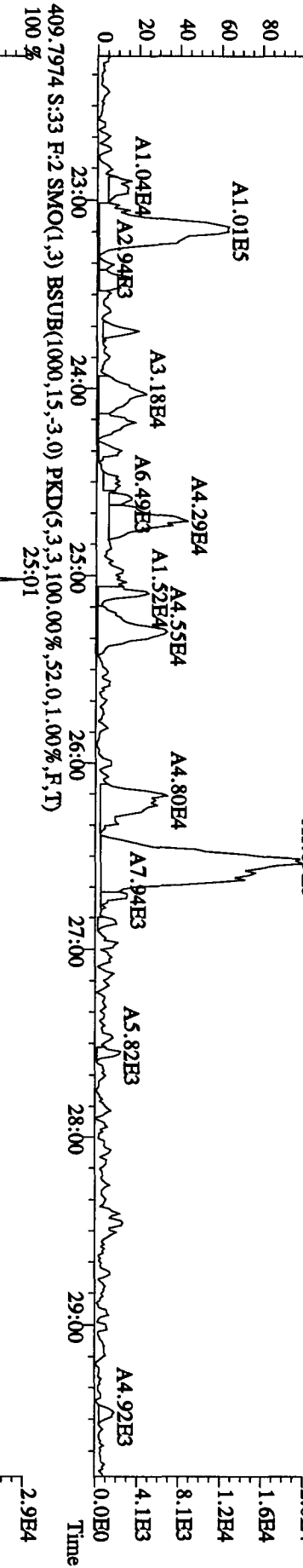
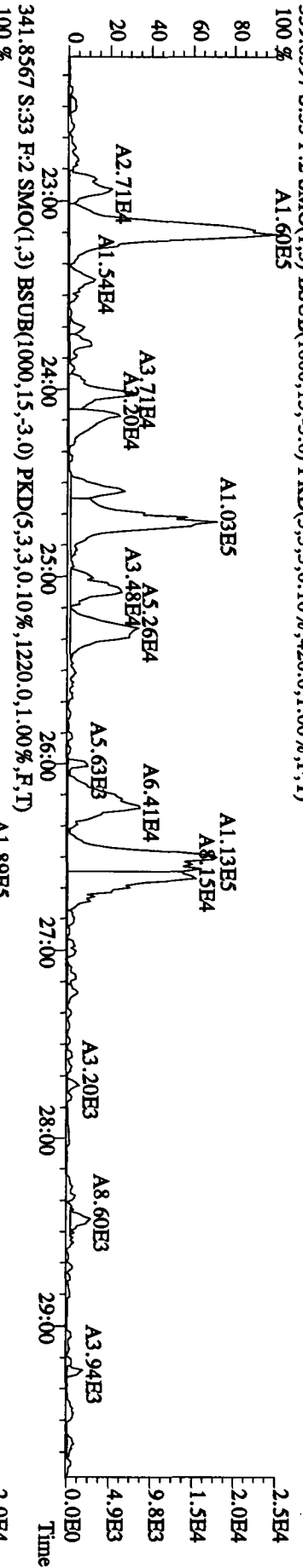
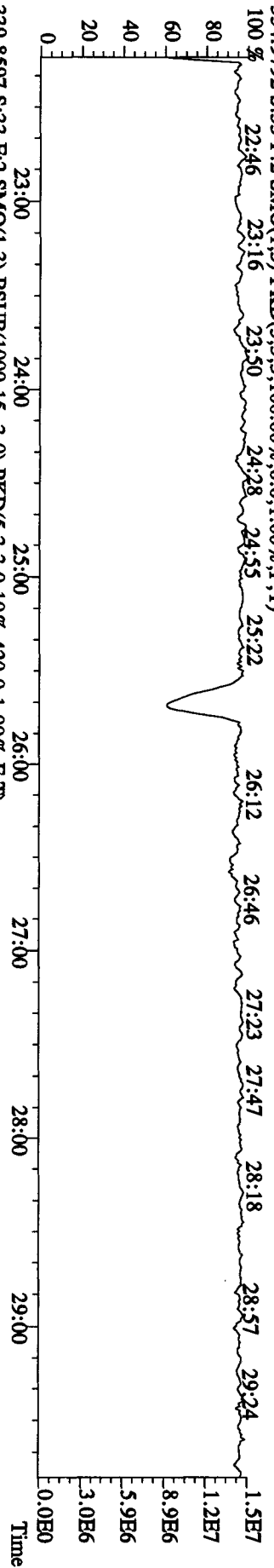
File:21ADP10B4D5 #1-190 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A
457.7377 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1072.0,1.00%,F,T)



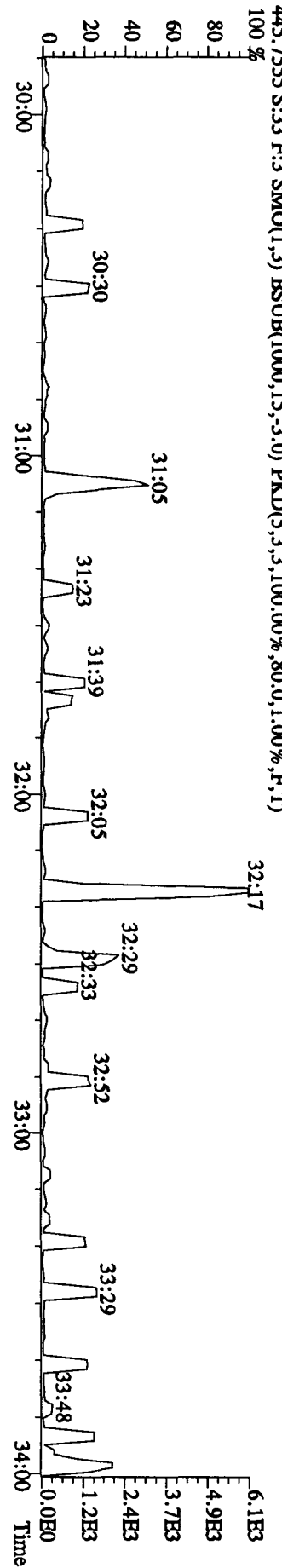
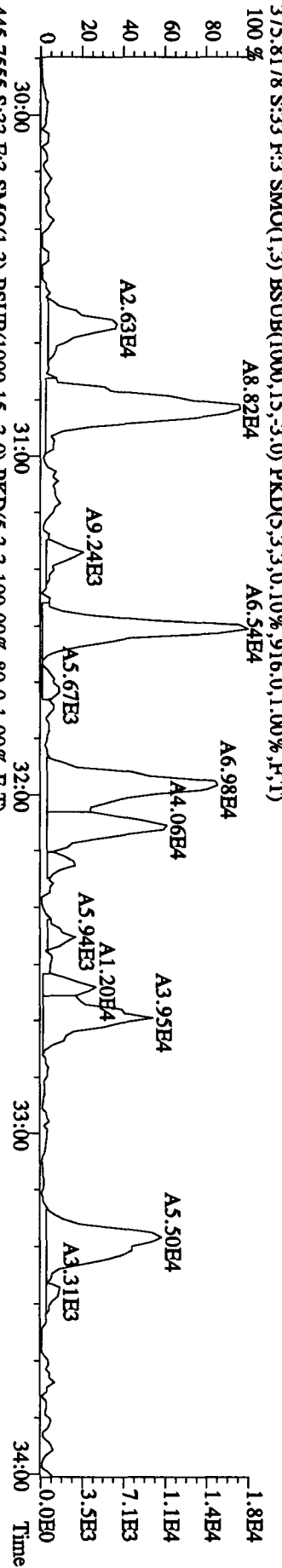
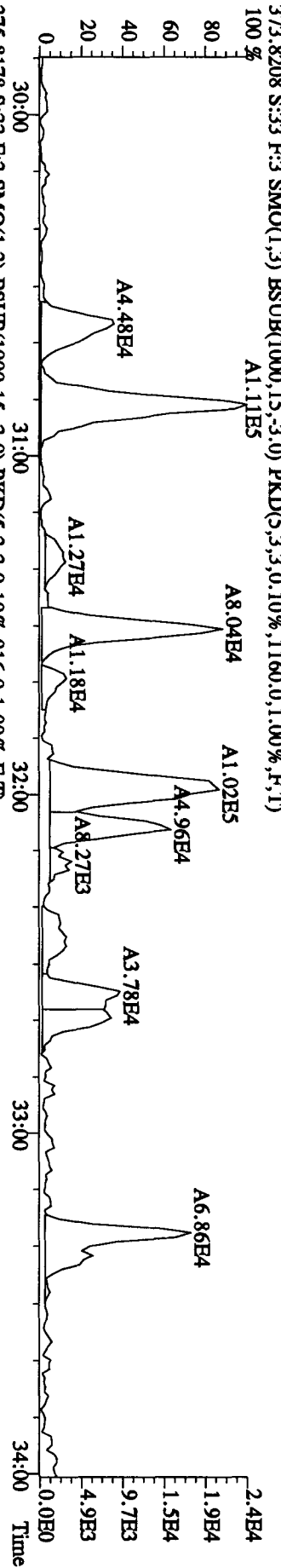
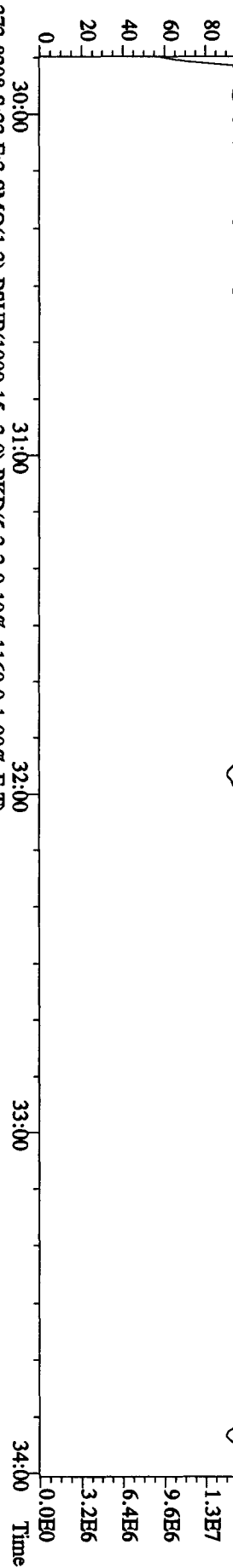
File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 20:35:20 GC EI + Voltage SIR Autospec-UltimaB
 Sample#33 Text: LXM73-1-AD :G0D080425-28 Exp: DIOXINRES8290A
 354.9792 S:33 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



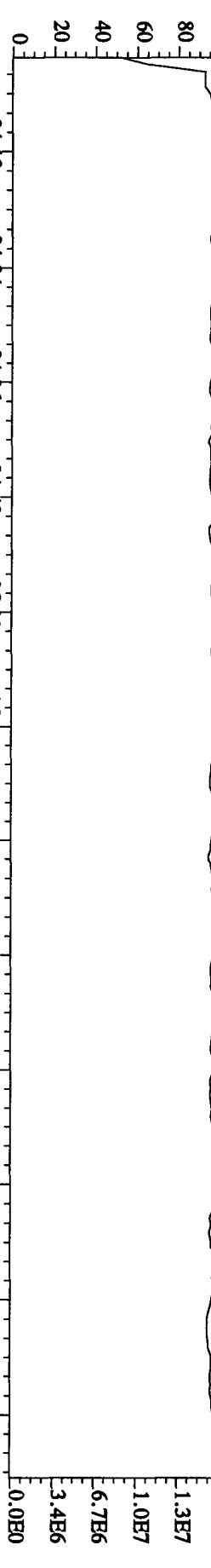
File:21AD10B4D5 #1-604 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimate
Sample#33 Text:LXM73-1-AD :G0D080425-28 Exp:DIOXINRES8290A



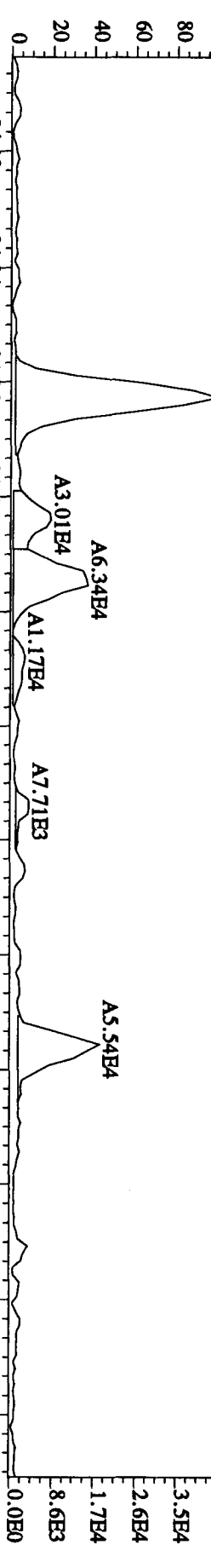
430.9728 S:33 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 100% 30:07 30:23 30:43 30:57 31:17 31:31 31:45 32:07 32:20 32:48 33:06 33:20 33:33 33:49



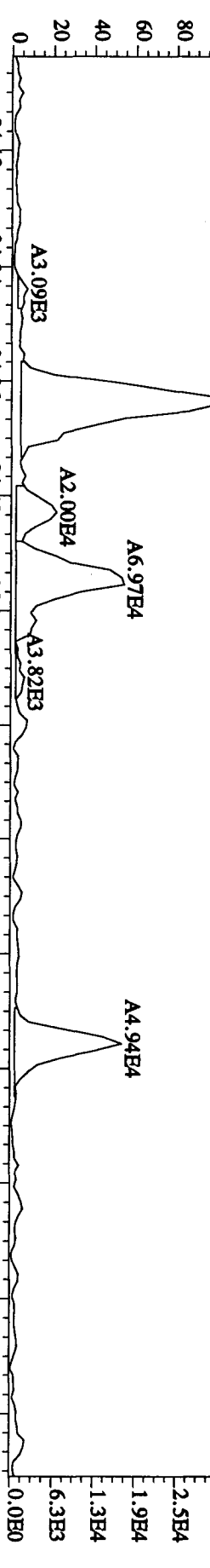
File: 21ADP10B4D5 #1-198 Acq: 22-APR-2010 20:35:20 GC EI + Voltage SIR Autospec-Ultimate
 Sample#33 Text: LXM73-1-AD :G0D080425-28 Exp: DIOXINRES8290A
 430.9728 S:33 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 34:14 34:23 34:34 34:54 35:07 35:21 35:31 35:55 36:08 36:28 1.7E7



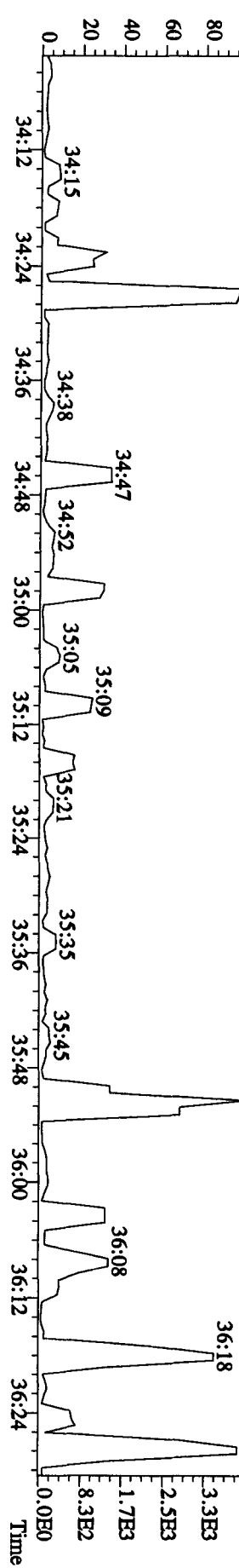
407.7818 S:33 F:4 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0.10%,1748.0,1.00%,F,T)
 100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 4.3E4



409.7789 S:33 F:4 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0.10%,1412.0,1.00%,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 3.2E4



479.7165 S:33 F:4 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,100.00%,128.0,1.00%,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 2.5E4



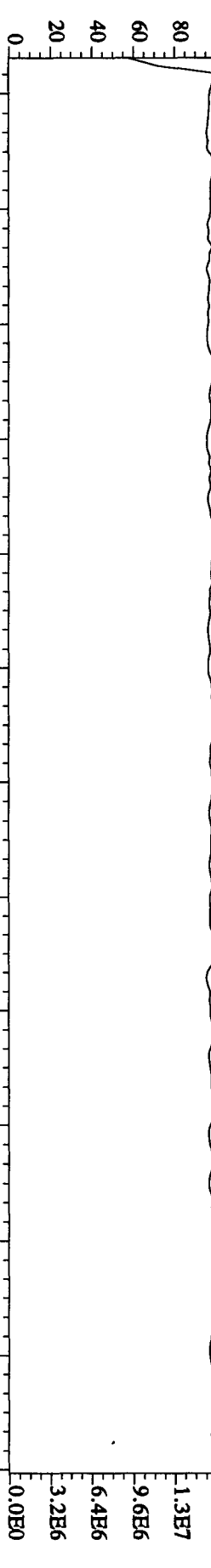
File:21AP10B4D5 #1-190 Acq:22-APR-2010 20:35:20 GC EI+ Voltage SIR Autospec-Ultimate

Sample#33 Text:LXM73-1-AD :G0D080425-28

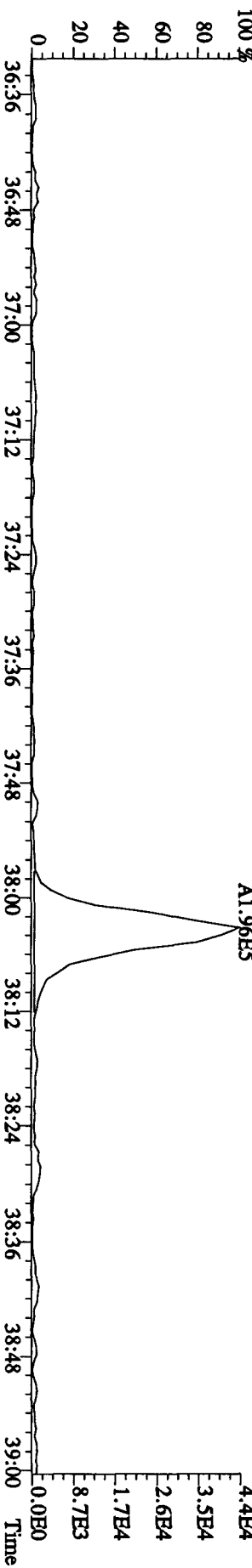
Exp:DIOXINRES8290A

442.9728 S:33 F:5 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)

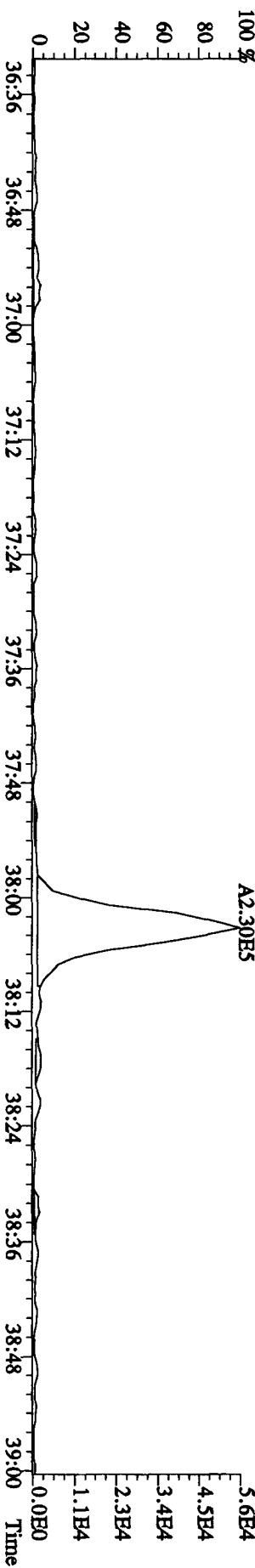
100% 36:44 36:56 37:04 37:15 37:23 37:34 37:42 37:53 38:06 38:14 38:27 38:43 38:52 1.6B7



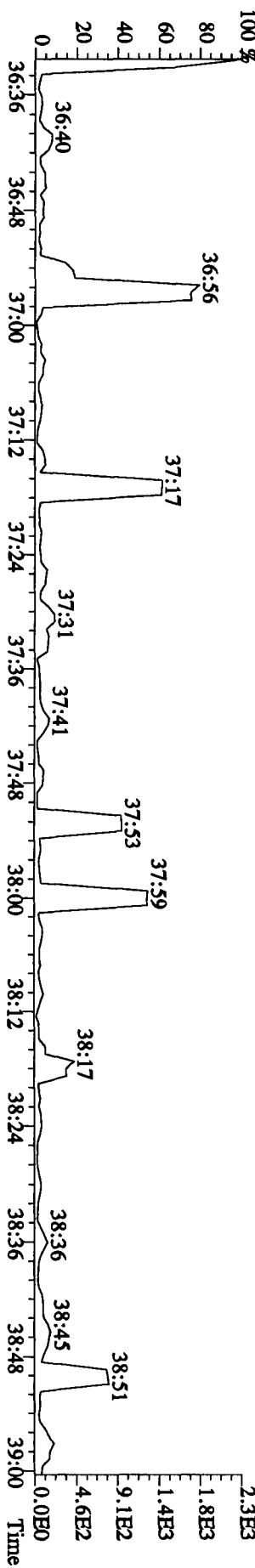
441.7428 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



443.7399 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1076.0,1.00%,F,T)



513.6775 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100,00%,72.0,1.00%,F,T)



Run text: LXM8R-1-AD Sample text: LXM8R-1-AD :G0D080425-35
 Run #35 Filename: 21AP10B4D5 S: 34 I: 1 Results: 21AP10B4D58290AVG1
 Acquired: 22-APR-10 21:19:22 Processed: 23-APR-10 08:47:33
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.17 g

V8
4.25.16

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	215486000	0.81 y	19:33	-	15.926	-	-	n
13C-2,3,7,8-TCDF	265527000	0.79 y	18:59	1.52	159.347	0.419	81.0	n
2,3,7,8-TCDF	2826080000	0.78 y	19:01	0.95	2214.152	1.169	-	n
Total TCDF	13271080870	0.78 y	16:17	0.95	10397.510	1.169	-	n
13C-2,3,7,8-TCDD	176685600	0.81 y	19:46	0.95	169.789	0.158	86.3	n
2,3,7,8-TCDD	34746200	0.76 y	19:47	1.02	37.878	0.309	-	n
Total TCDD	863076200	0.76 y	17:17	1.02	940.856	0.309	-	n
37Cl-2,3,7,8-TCDD	178048200	1.00 y	19:47	2.26	71.857	0.280	91.3	n
13C-1,2,3,7,8-PeCDF	196735800	1.57 y	24:40	1.05	170.942	0.436	86.9	n
1,2,3,7,8-PeCDF	1675916000	1.57 y	24:42	1.04	1603.476	7.276	-	n
2,3,4,7,8-PeCDF	862070000	1.56 y	26:12	0.98	877.385	7.740	-	n
Total F2 PeCDF	11946241760	1.58 y	22:32	1.01	11760.497	7.501	-	n
Total F1 PeCDF	473514530	1.05 n	20:27	1.01	467.041	0.108	-	n
13C-1,2,3,7,8-PeCDD	125122900	1.60 y	27:00	0.67	170.313	0.188	86.6	n
1,2,3,7,8-PeCDD	80161200	1.58 y	27:01	0.98	128.309	0.923	-	n
Total PeCDD	757103270	1.54 y	23:22	0.98	1211.852	0.923	-	n
13C-1,2,3,7,8,9-HxCDD	180059900	1.24 y	33:07	-	17.230	-	-	n
13C-1,2,3,4,7,8-HxCDF	119098000	0.54 y	31:58	1.02	126.920	1.488	64.5	n
1,2,3,4,7,8-HxCDF	2600620000	1.25 y	31:58	1.21	3541.256	9.642	-	n
1,2,3,6,7,8-HxCDF	1643678000	1.24 y	32:06	1.34	2021.221	8.707	-	n
2,3,4,6,7,8-HxCDF	375953000	1.29 y	32:39	1.22	507.890	9.566	-	Y
1,2,3,7,8,9-HxCDF	263407000	1.20 y	33:18	1.09	398.130	10.702	-	Y
Total HxCDF	10513982640	1.05 n	30:14	1.22	11104.322	9.603	-	Y
13C-1,2,3,6,7,8-HxCDD	93834700	1.25 y	32:52	0.81	126.983	0.117	64.6	n
1,2,3,4,7,8-HxCDD	43841700	1.25 y	32:48	1.01	91.266	0.880	-	n
1,2,3,6,7,8-HxCDD	96146600	1.31 y	32:52	1.11	180.896	0.796	-	n
1,2,3,7,8,9-HxCDD	96082200	1.28 y	33:07	1.21	166.553	0.733	-	n
Total HxCDD	613872510	1.28 y	31:26	1.11	1152.104	0.798	-	n
13C-1,2,3,4,6,7,8-HpCDF	77963600	0.45 y	34:38	0.86	98.714	0.773	50.2	n
1,2,3,4,6,7,8-HpCDF	3045890000	0.95 y	34:38	1.31	5866.331	1.862	-	n
1,2,3,4,7,8,9-HpCDF	1320424000	0.93 y	35:45	1.03	3247.417	2.378	-	n
Total HpCDF	6244375226	0.95 y	34:38	1.17	13170.811	2.088	-	n
13C-1,2,3,4,6,7,8-HpCDD	67948200	1.06 y	35:26	0.70	106.397	0.324	54.1	n
1,2,3,4,6,7,8-HpCDD	183044200	1.03 y	35:27	1.07	494.256	0.444	-	n
Total HpCDD	265405400	1.04 y	34:53	1.07	716.647	0.444	-	n
13C-OCDD	76537500	0.92 y	37:56	0.53	157.310	0.280	40.0	n
OCDF	4187600000	0.88 y	38:03	1.45	14888.662	0.385	-	n

See DB23

B

BG
BG

EBG
EGG
G

EB
E

B

EB

OCDD 90542100 0.91 y 37:57 1.17

398.955 ✓ B

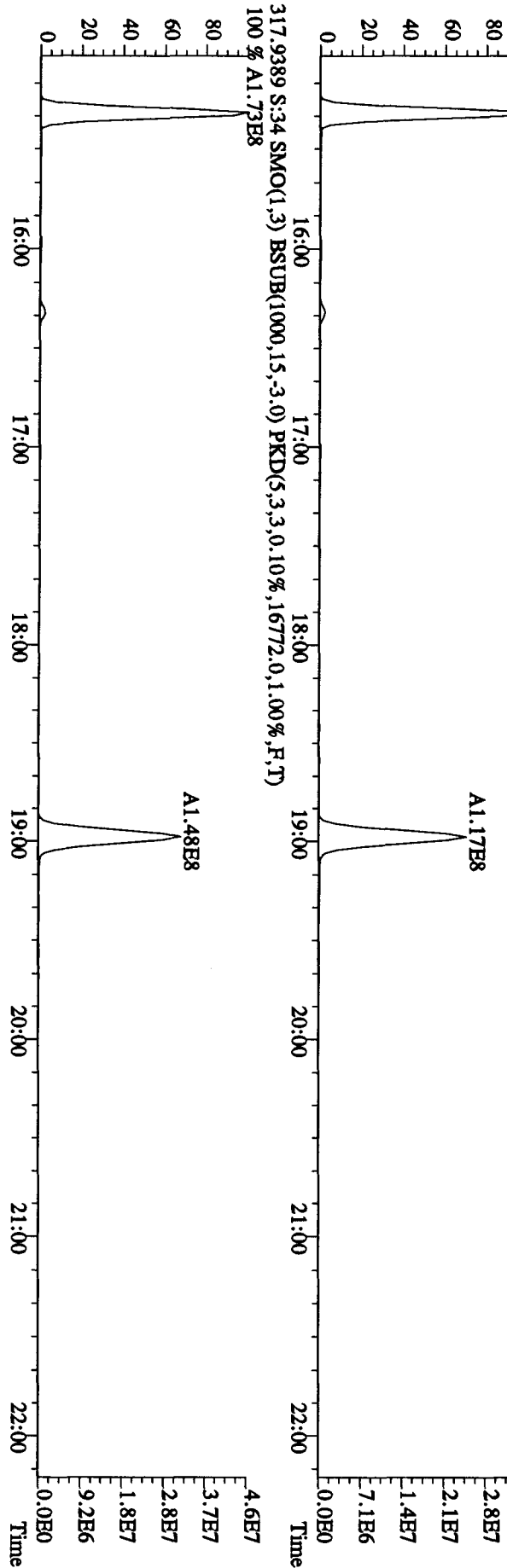
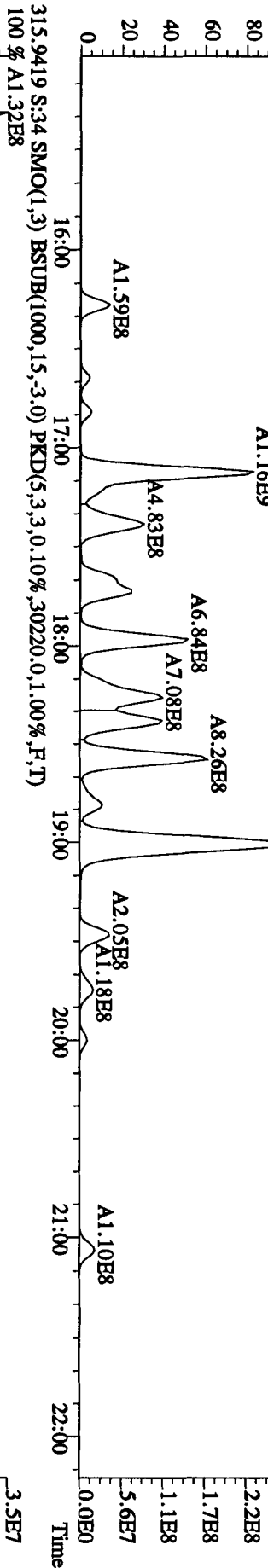
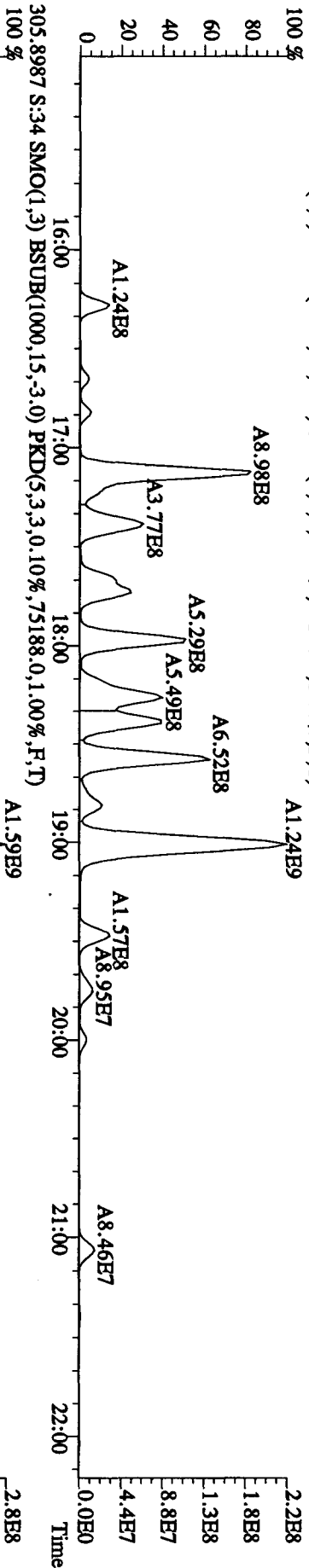
0.804

- n

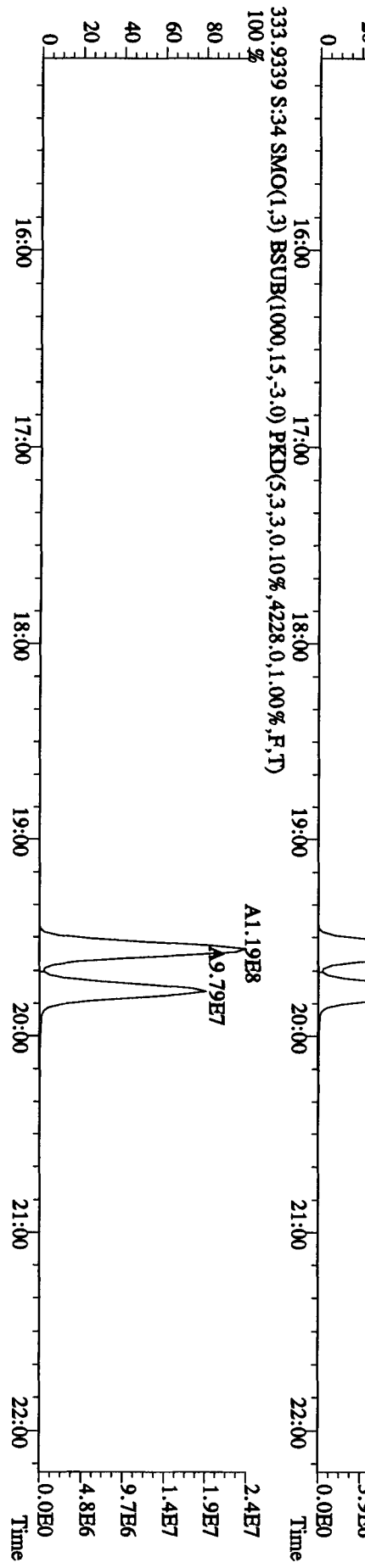
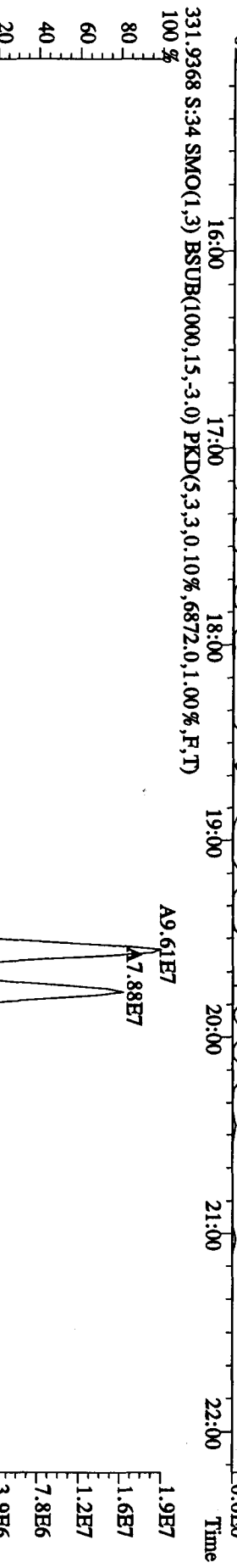
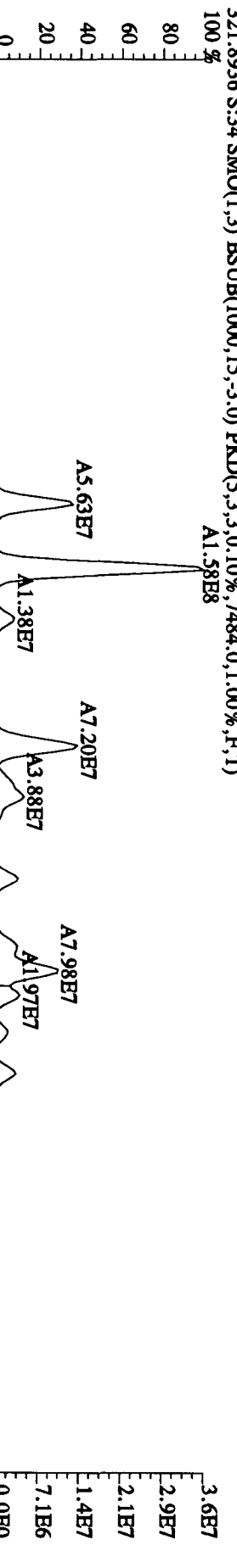
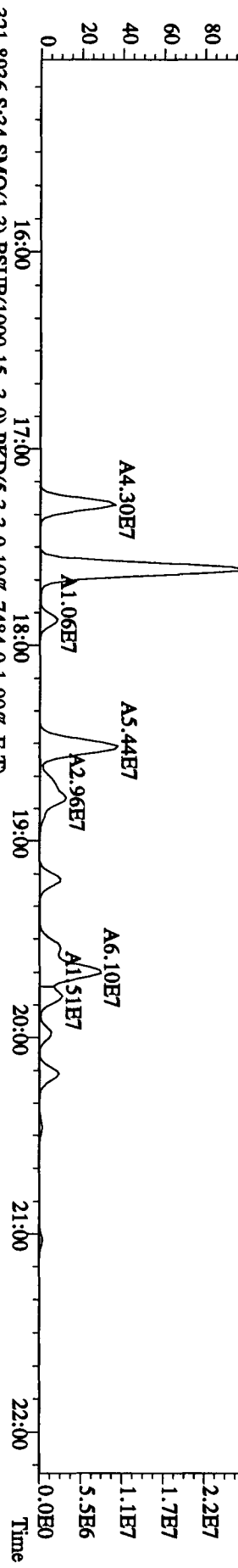
Run text: LXM8R-1-AD Sample text: LXM8R-1-AD :G0D080425-35
 Run #35 Filename: 21AP10B4D5 S: 34 I: 1 Results: 21AP10B4D58290A
 Acquired: 22-APR-10 21:19:22 Processed: 23-APR-10 08:47:33
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5
 Sample size: 10.17 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	215486000	0.81 y	19:33	-	15.9264	-	-	n
13C-2,3,7,8-TCDF	265527000	0.79 y	18:59	1.52	159.3472	0.4187	81.0	n
2,3,7,8-TCDF	2826080000	0.78 y	19:01	0.95	2214.1525	1.1691	-	n
Total TCDF	13271080870	0.78 y	16:17	0.95	10397.5104 <i>See DB 225</i>	1.1691	-	n
13C-2,3,7,8-TCDD	176685600	0.81 y	19:46	0.95	169.7893	0.1584	86.3	n
2,3,7,8-TCDD	34746200	0.76 y	19:47	1.02	37.8775 ✓	0.3092	-	n
Total TCDD	863076200	0.76 y	17:17	1.02	940.8564	0.3092	-	n
37Cl-2,3,7,8-TCDD	178048200	1.00 y	19:47	2.26	71.8571	0.2802	91.3	n
13C-1,2,3,7,8-PeCDF	196735800	1.57 y	24:40	1.05	170.9424	0.4358	86.9	n
1,2,3,7,8-PeCDF	1675916000	1.57 y	24:42	1.04	1603.4761 ✓	7.2760	-	n
2,3,4,7,8-PeCDF	862070000	1.56 y	26:12	0.98	877.3855 ✓	7.7398	-	n
Total F2 PeCDF	11946241760	1.58 y	22:32	1.01	11760.4970	7.5007	-	n
Total F1 PeCDF	473514530	1.05 n	20:27	1.01	467.0411	0.1077	-	n
13C-1,2,3,7,8-PeCDD	125122900	1.60 y	27:00	0.67	170.3133	0.1883	86.6	n
1,2,3,7,8-PeCDD	80161200	1.58 y	27:01	0.98	128.3095 ✓	0.9229	-	n
Total PeCDD	757103270	1.54 y	23:22	0.98	1211.8520	0.9229	-	n
13C-1,2,3,7,8,9-HxCDD	180059900	1.24 y	33:07	-	17.2300	-	-	n
13C-1,2,3,4,7,8-HxCDF	119098000	0.54 y	31:58	1.02	126.9203	1.4884	64.5	n
1,2,3,4,7,8-HxCDF	2600620000	1.25 y	31:58	1.21	3541.2556 E	9.6418	-	n
1,2,3,6,7,8-HxCDF	1643678000	1.24 y	32:06	1.34	2021.2209 E	8.7072	-	n
2,3,4,6,7,8-HxCDF	908330000	1.25 y	32:35	1.22	1227.0992	9.5657	-	n
1,2,3,7,8,9-HxCDF	396547200	2.09 n	33:22	1.09	599.3658	10.7023	-	n
Total HxCDF	10780370060	1.05 n	30:14	1.22	14483.4697	9.6029	-	n
13C-1,2,3,6,7,8-HxCDD	93834700	1.25 y	32:52	0.81	126.9830	0.1171	64.6	n
1,2,3,4,7,8-HxCDD	96146600	1.31 y	32:52	1.01	200.1502 ✓	0.8803	-	n
1,2,3,6,7,8-HxCDD	96146600	1.31 y	32:52	1.11	180.8958 ✓	0.7956	-	n
1,2,3,7,8,9-HxCDD	96082200	1.28 y	33:07	1.21	166.5528 ✓	0.7330	-	n
Total HxCDD	613872510	1.28 y	31:26	1.11	1143.6224	0.7985	-	n
13C-1,2,3,4,6,7,8-HpCDF	77963600	0.45 y	34:38	0.86	98.7142	0.7730	50.2	n
1,2,3,4,6,7,8-HpCDF	3045890000	0.95 y	34:38	1.31	5866.3309 ✓ E	1.8619	-	n
1,2,3,4,7,8,9-HpCDF	1320424000	0.93 y	35:45	1.03	3247.4169 ✓ E	2.3775	-	n
Total HpCDF	6244375226	0.95 y	34:38	1.17	13170.8110	2.0883	-	n
13C-1,2,3,4,6,7,8-HpCDD	67948200	1.06 y	35:26	0.70	106.3969	0.3243	54.1	n
1,2,3,4,6,7,8-HpCDD	183044200	1.03 y	35:27	1.07	494.2556 ✓	0.4440	-	n
Total HpCDD	265405400	1.04 y	34:53	1.07	716.6471	0.4440	-	n
13C-OCDD	76537500	0.92 y	37:56	0.53	157.3097	0.2800	40.0	n
OCDF	4187600000	0.88 y	38:03	1.45	14888.6618 ✓ E	0.3849	-	n
OCDD	90542100	0.91 y	37:57	1.17	398.9546 ✓	0.8037	-	n

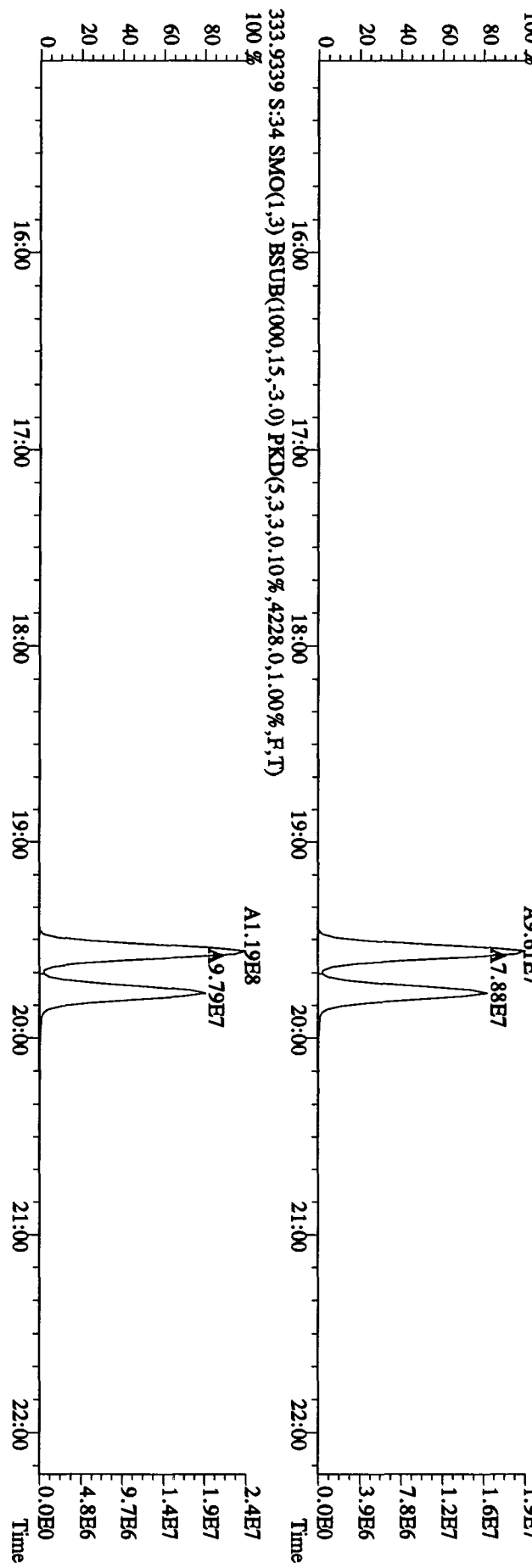
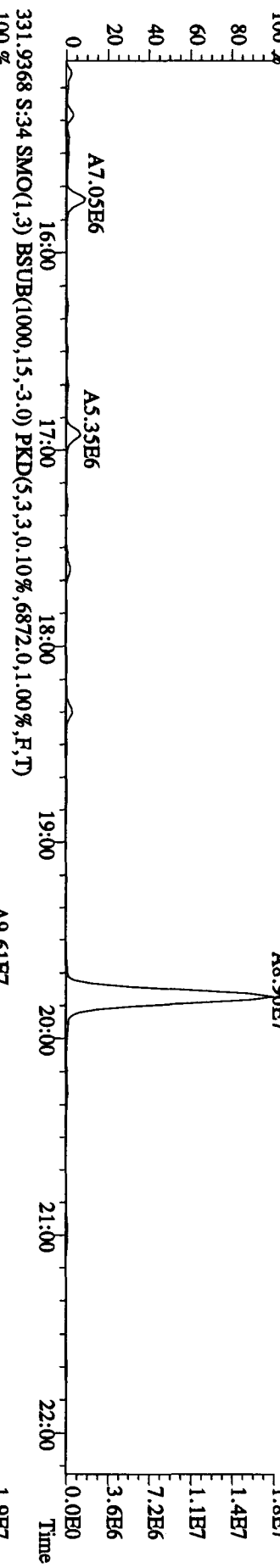
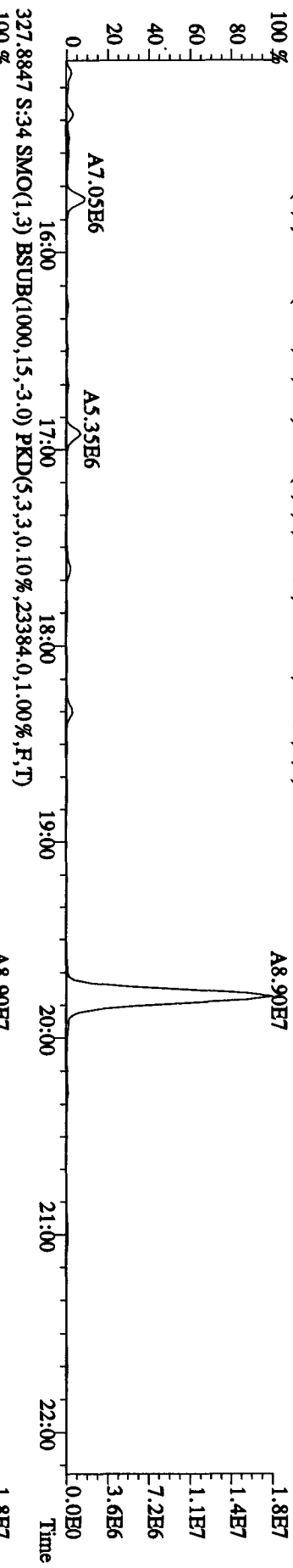
File:21AP10B4D5 #1-434 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 303.9016 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30260.0,1.00%,F,T)



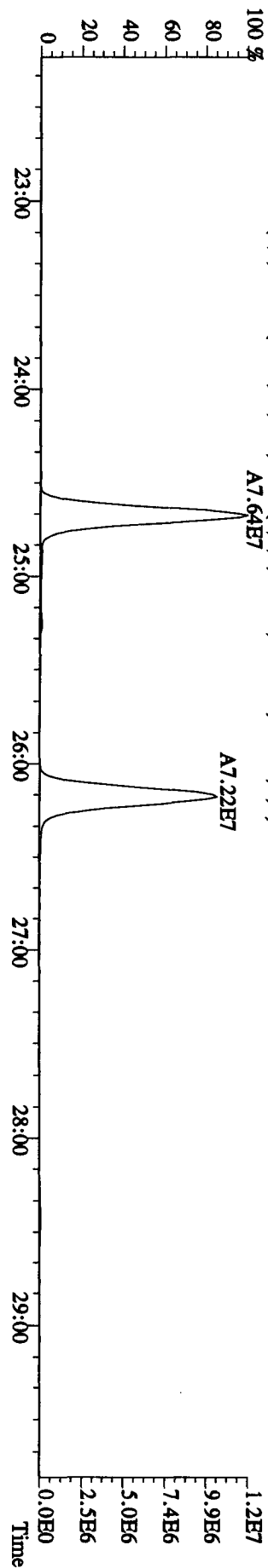
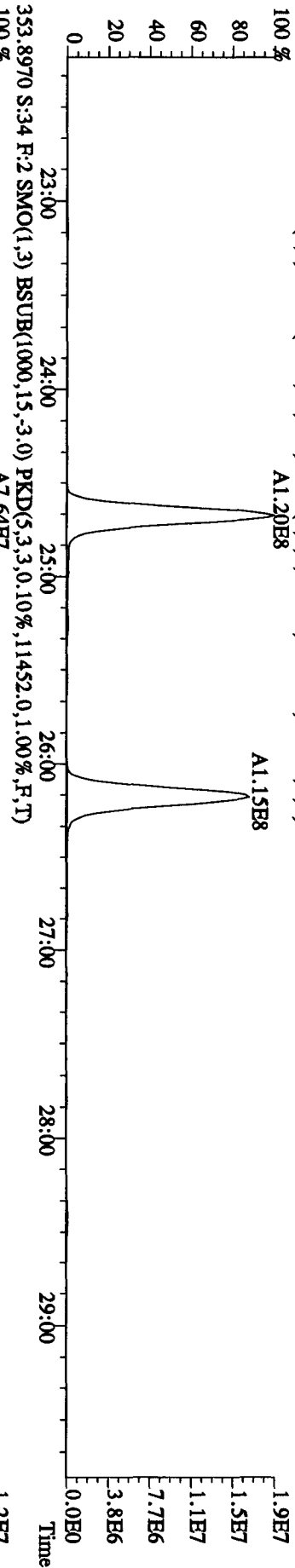
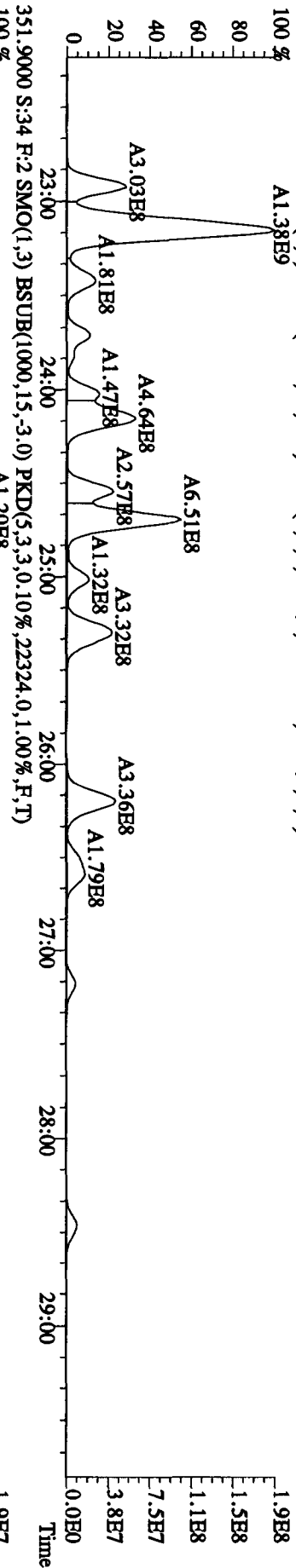
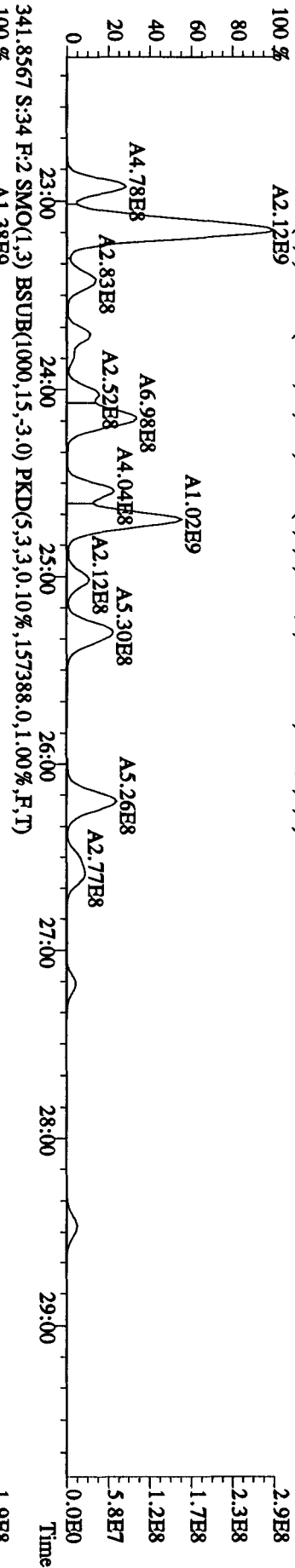
File:21AP10B4D5 #1-434 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 319.8965 S:3:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11408.0,1.00%,F,T) A1.21E8



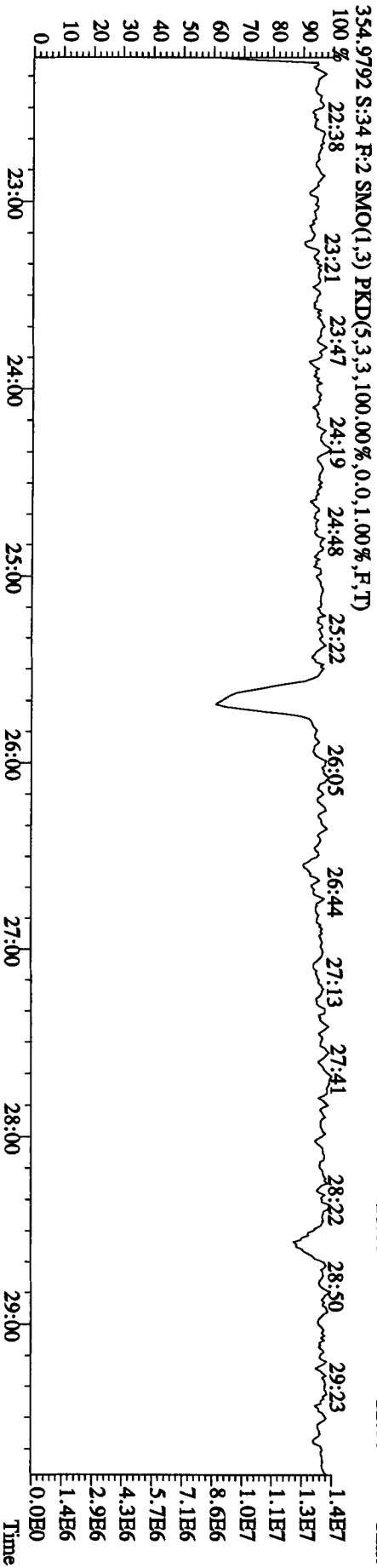
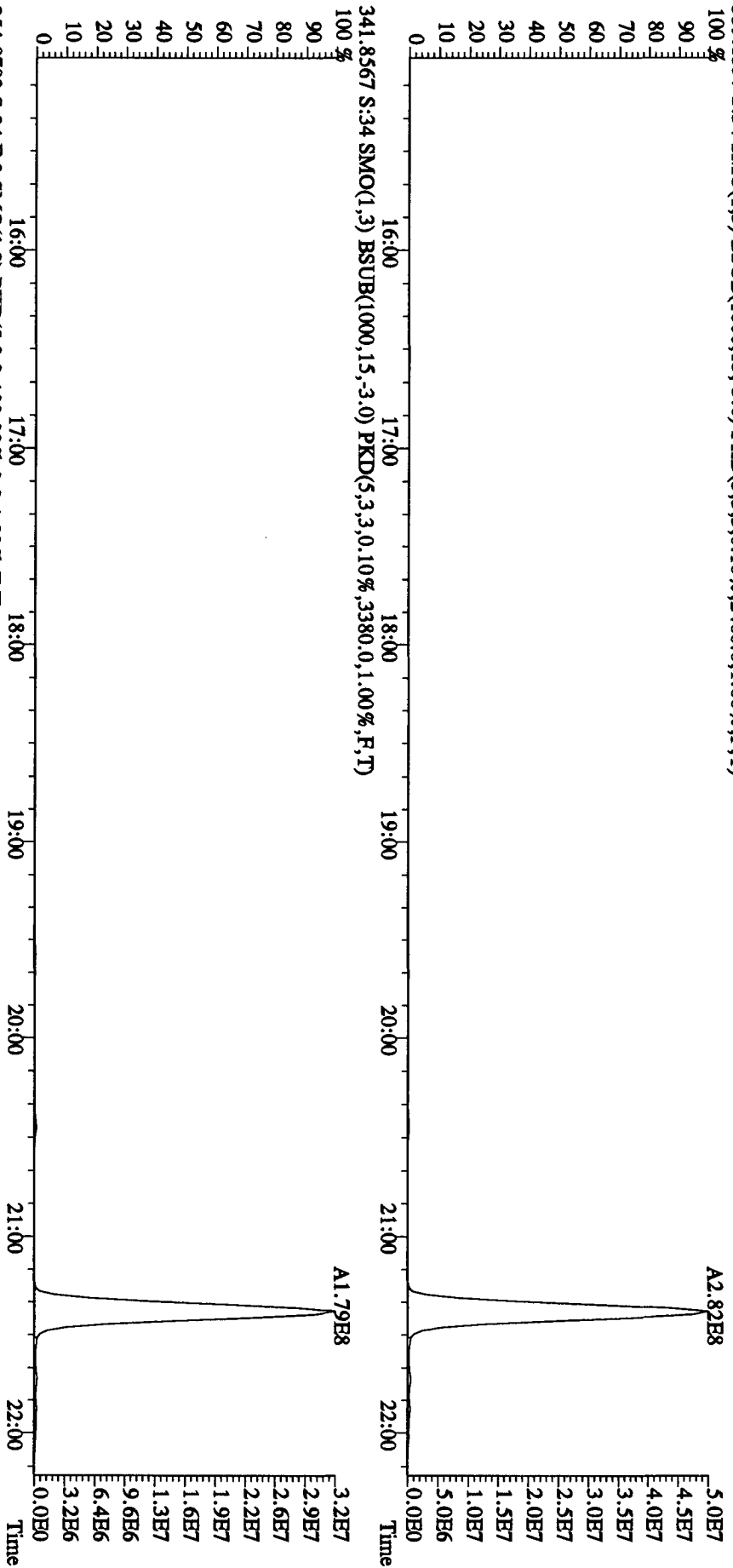
File:21AP10B4D5 #1-434 Acq:22-APR-2010 21:19:22 GC EI+ Voltage S1R Autospec-UltimaE
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 327.8847 S:34 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,23384,0,1,00%,F,T) 100%



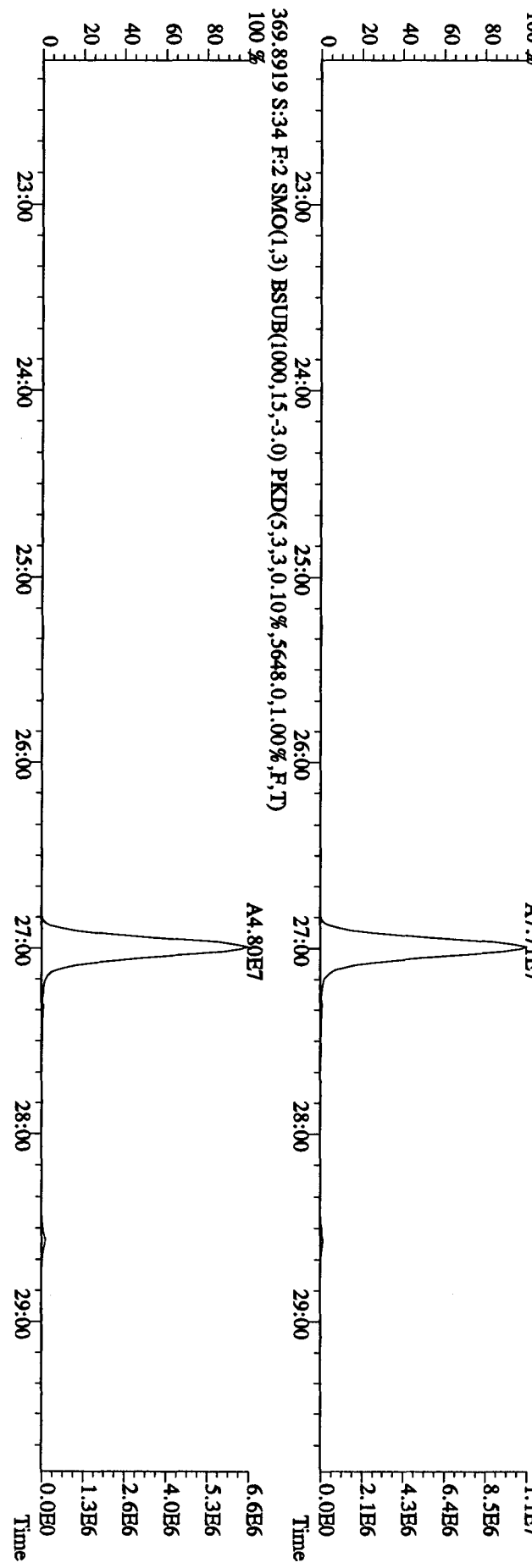
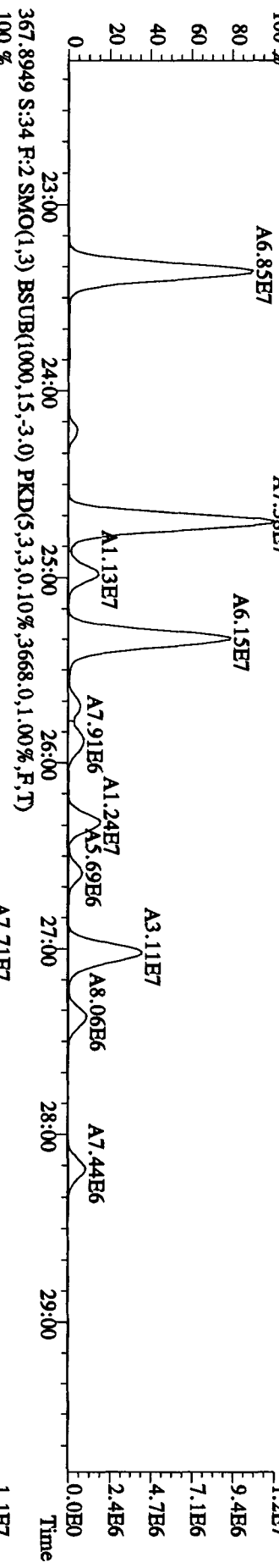
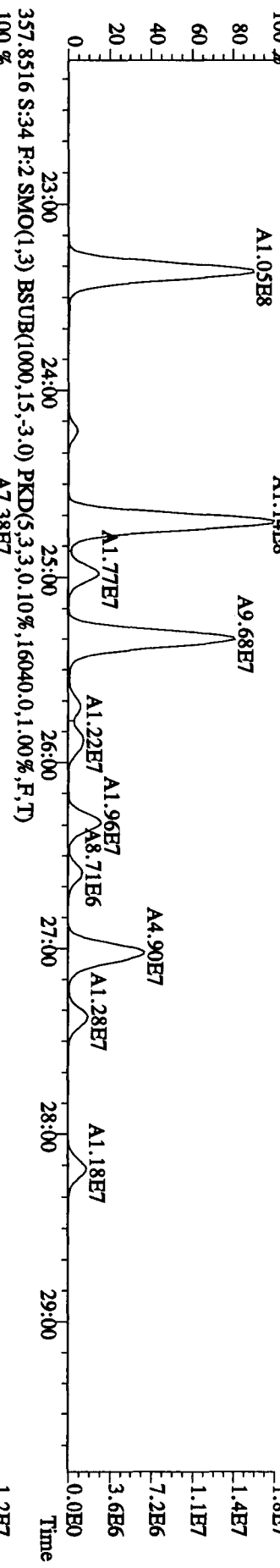
File:21AP10B4D5 #1-604 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :GOD080425-35 Exp:DIOXINRES8290A
 339.8597 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,249304.0,1.00%,F,T)
 100% A2.12E9



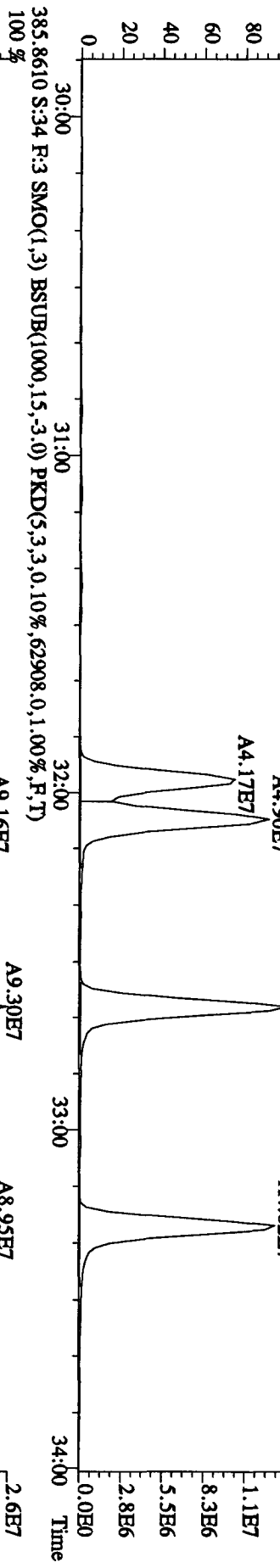
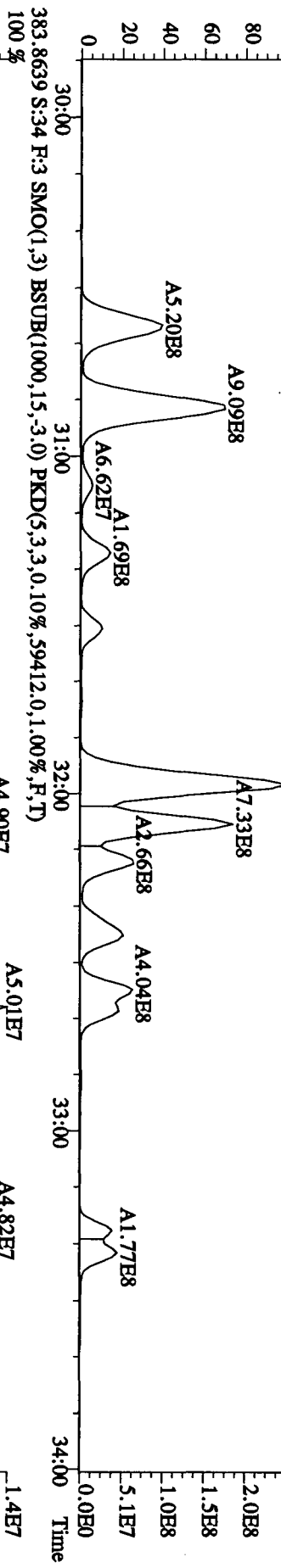
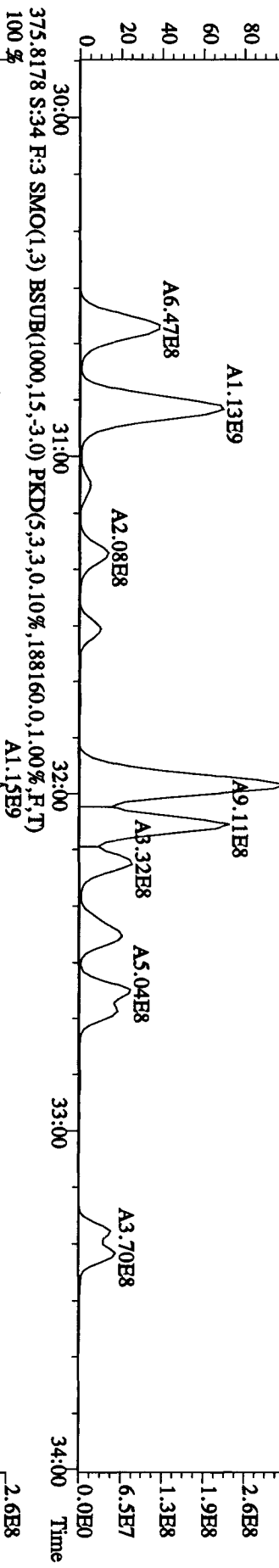
File:21AP10B4D5 #1-434 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 339.8597 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2460.0,1.00%,F,T) 100 %



File:21AD10B4D5 #1-604 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 355.8546 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10468.0,1.00%,F,T)



File:21AP10B4D5 #1-317 Acq:22-APR-2010 21:19:22 GC EI+ Voltage S1R Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 373.8208 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,398136,0,1.00%,F,T) A1.45E9
 100 %



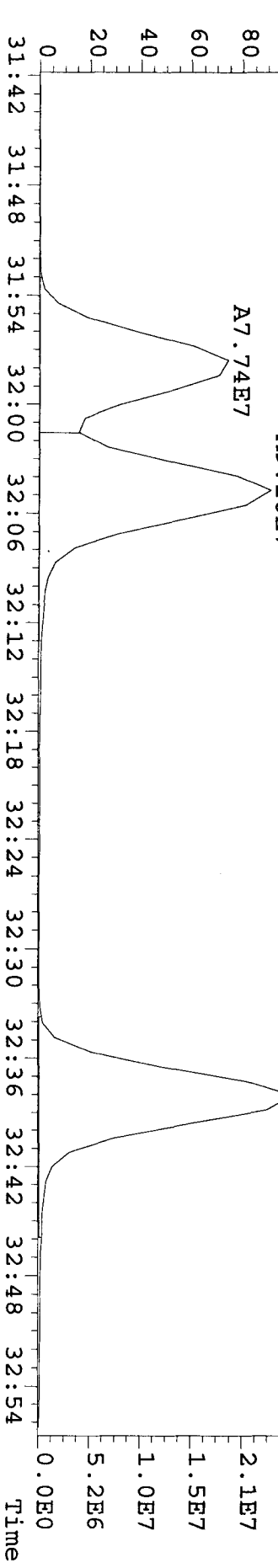
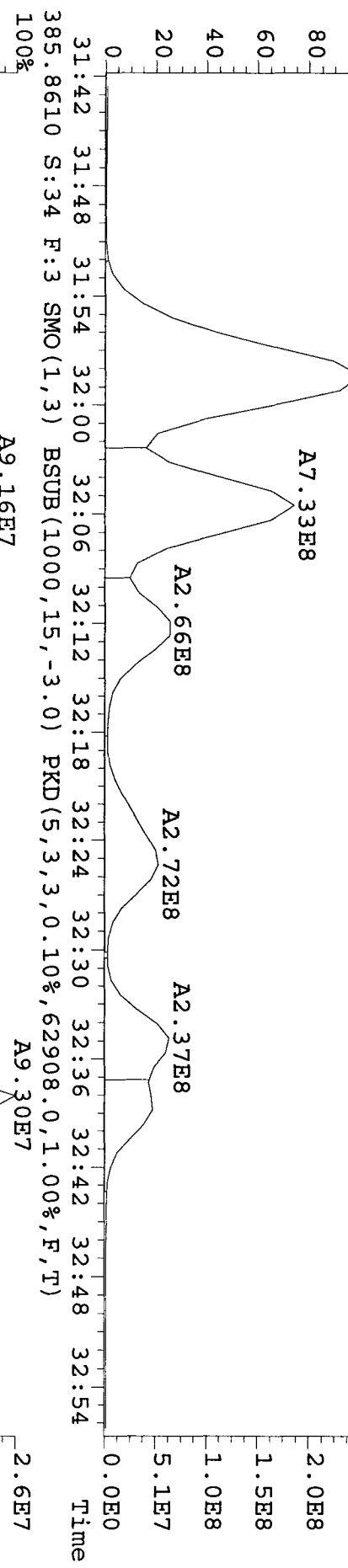
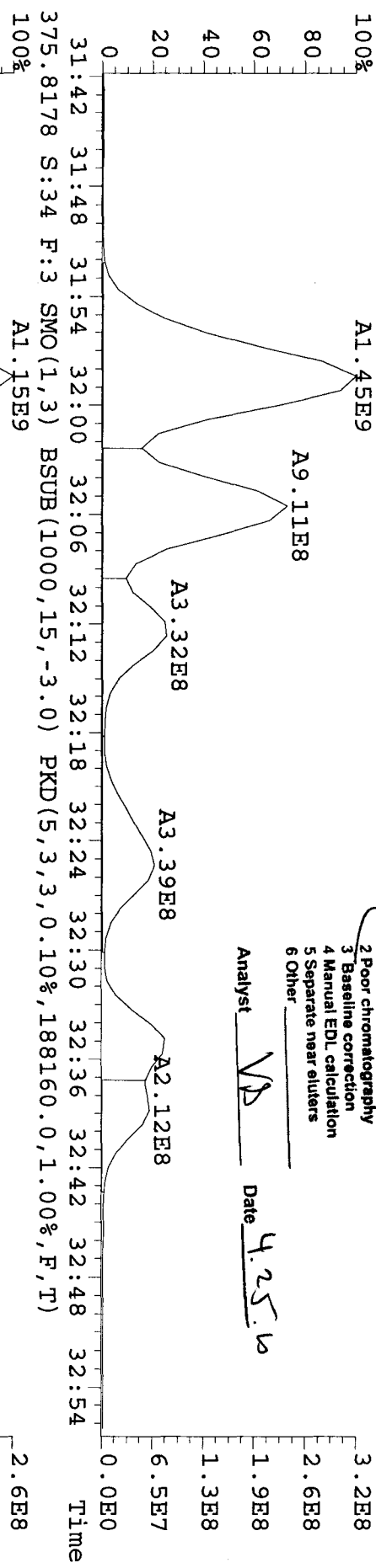
File: 21API0B4D5 #1-317 Acq: 22-APR-2010 21:19:22 GC EI+ Voltage: 2000V STP-Adv-Cross-Mantel EDL-Cross-Spec-Ultimate

Sample#34 Text: LXM8R-1-AD : GODD080425-35 Exp: DIOXINRES8290A

373.8208 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%) 288136.0,1.00%,F,T)

- 1 Poor chromatography
- 2 Baseline correction
- 3 Manual EDL calculation
- 4 Separate near eluters
- 5 Other

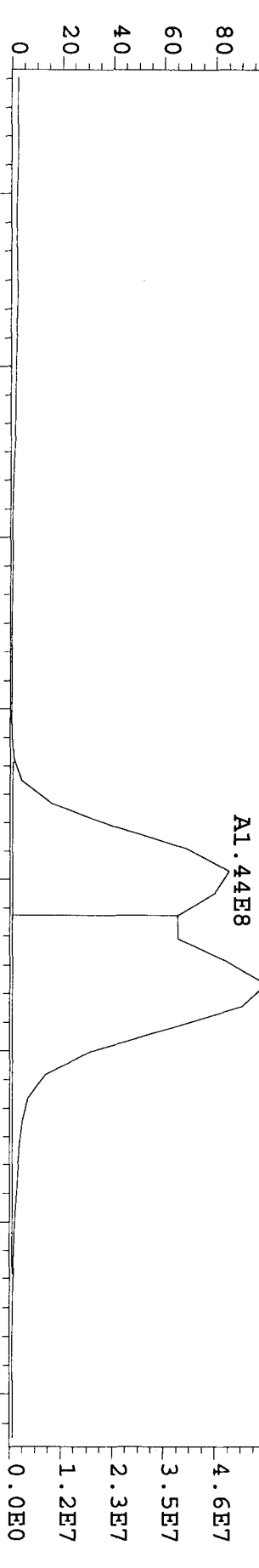
Analyst VP Date 4.25.10



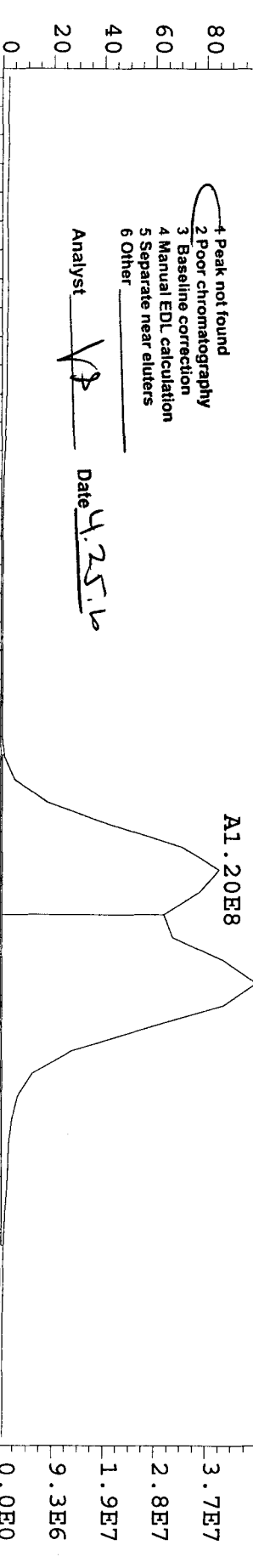
File: 21API10B4D5 #1-317 Acq: 22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate

Sample#34 Text: LXM8R-1-AD :GDD080425-35 Exp:DIOXINRES8290A

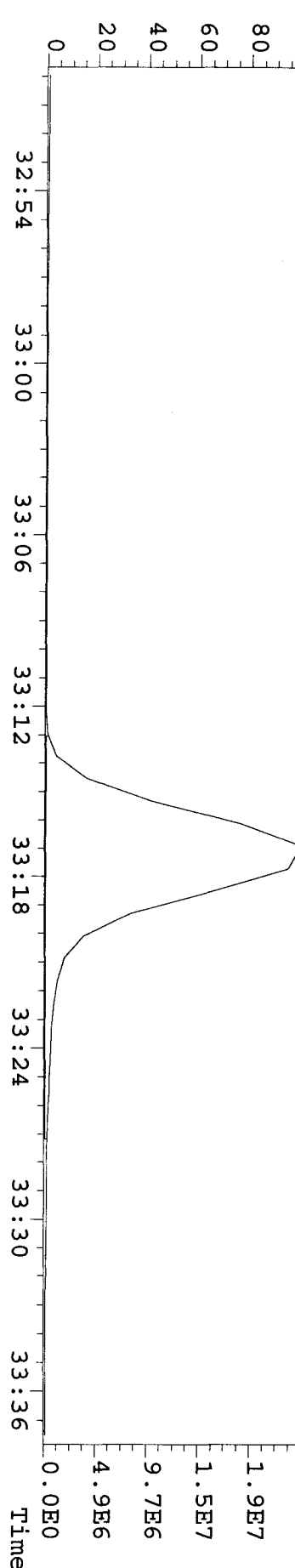
373.8208 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,398136.0,1.00%,F,T)



375.8178 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,188160.0,1.00%,F,T)



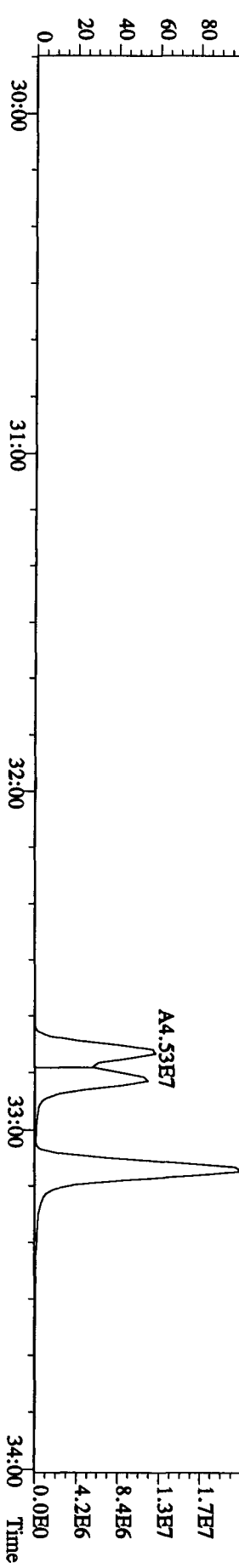
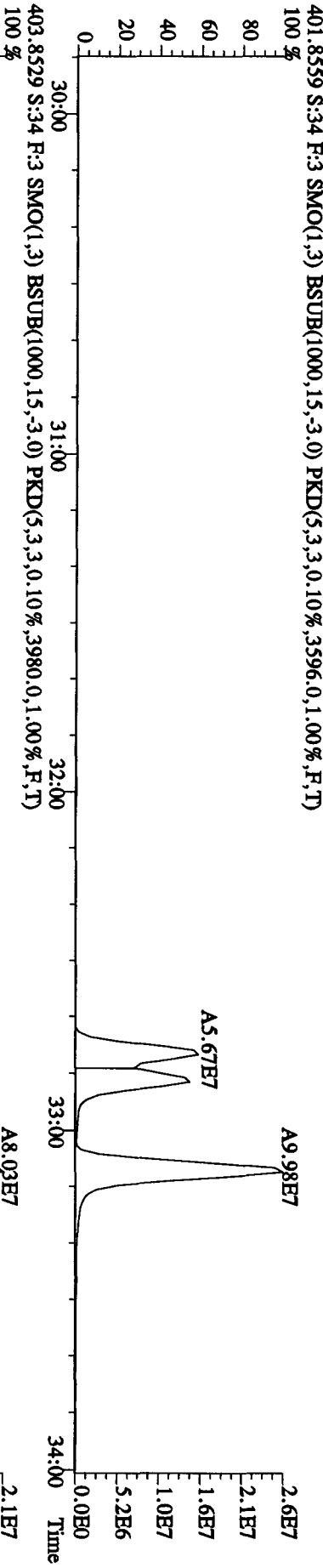
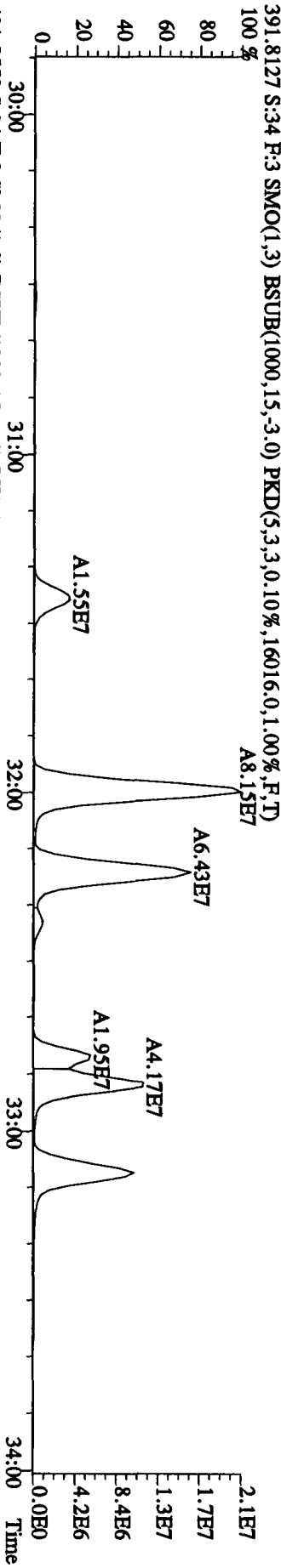
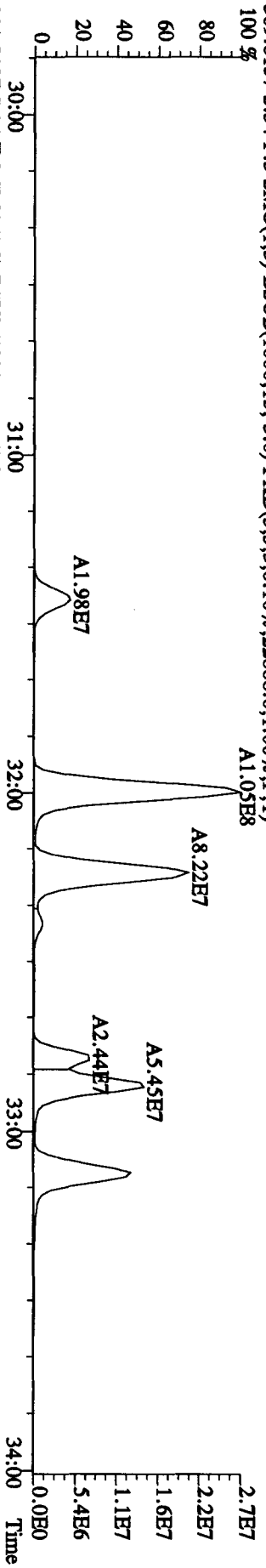
385.8610 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62908.0,1.00%,F,T)



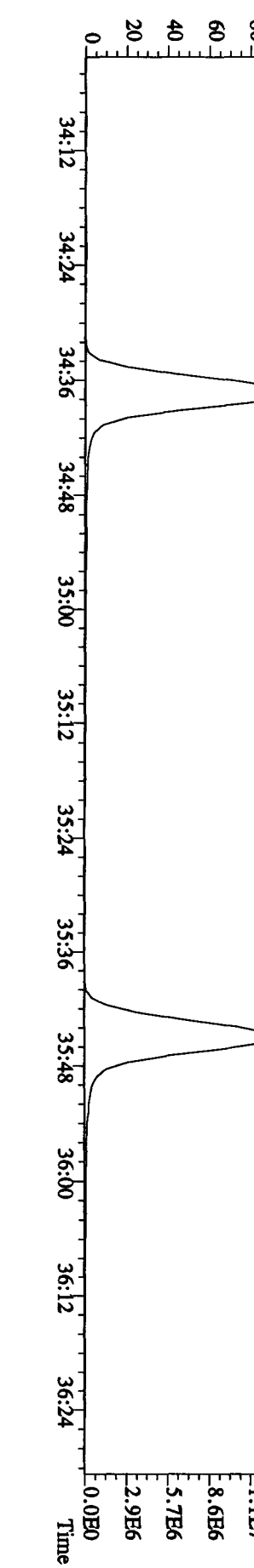
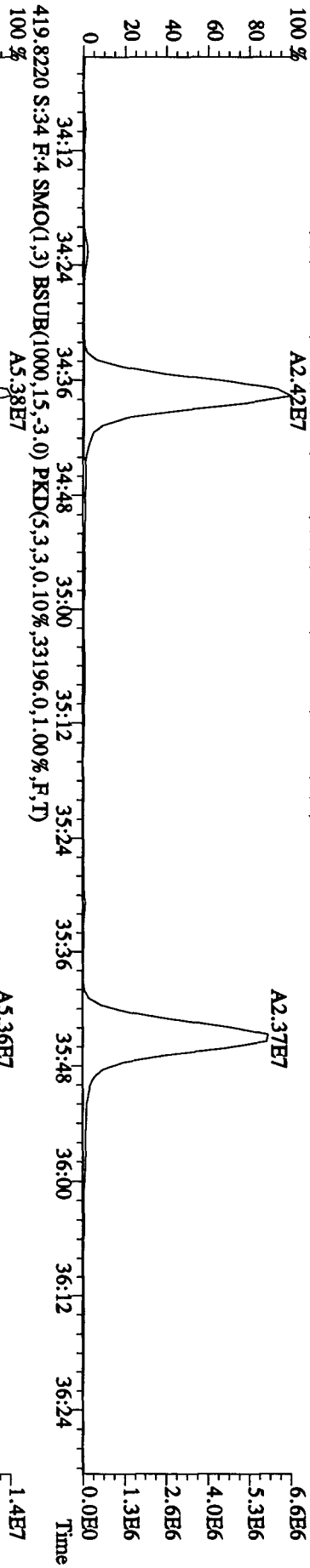
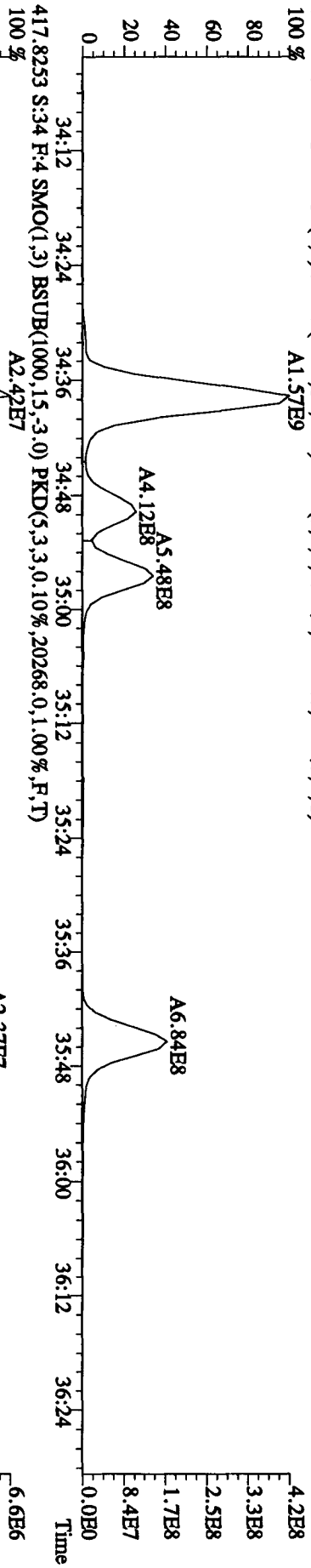
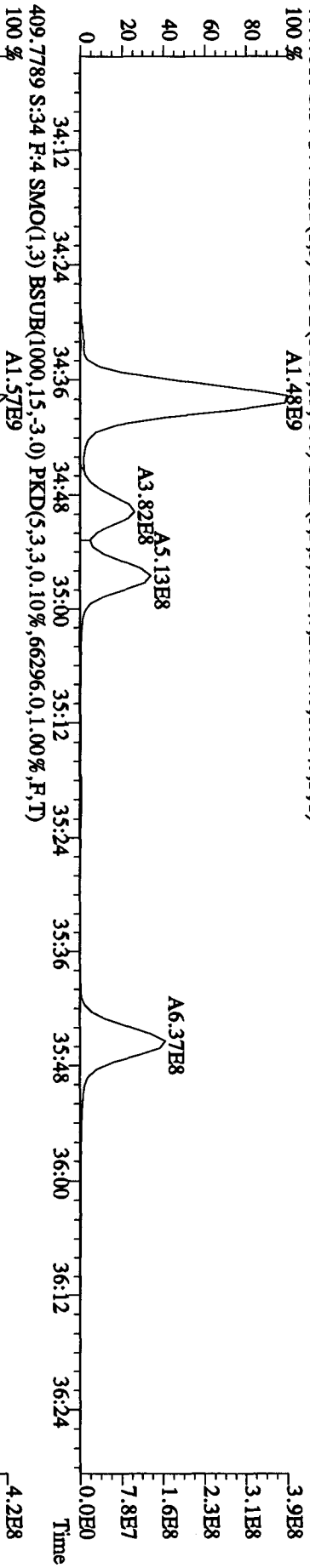
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 4.25.10

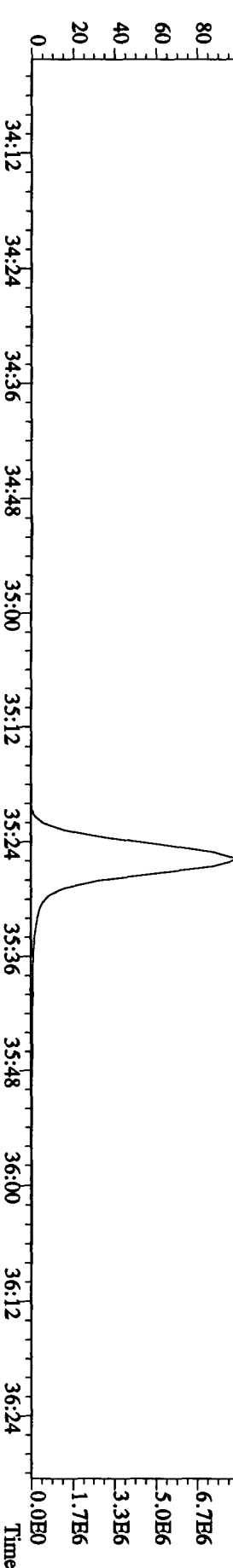
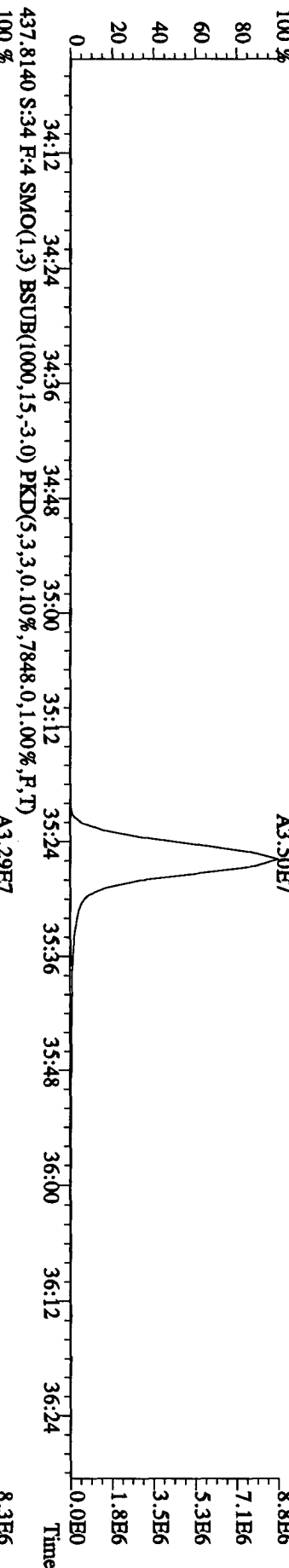
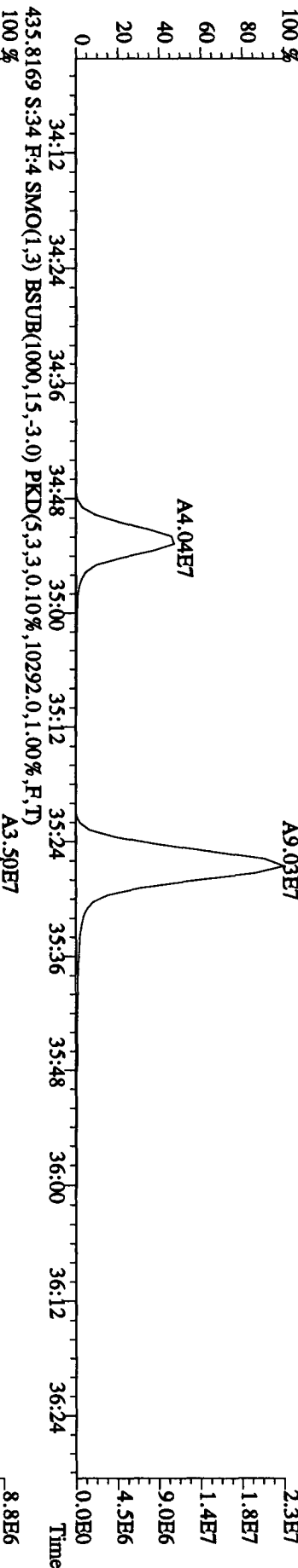
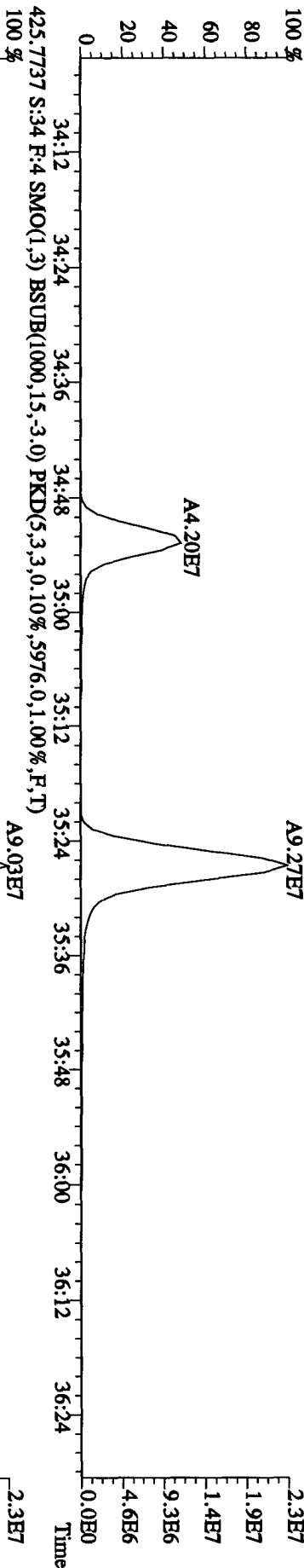
File:21AD10B4D5 #1-317 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 389.8157 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22888.0,1.00%,F,T) A1.05E8



File:21AP10B4D5 #1-198 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 407.7818 S:34 F:4 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0,10%,20564,0,1.00%,F,T)
 100%



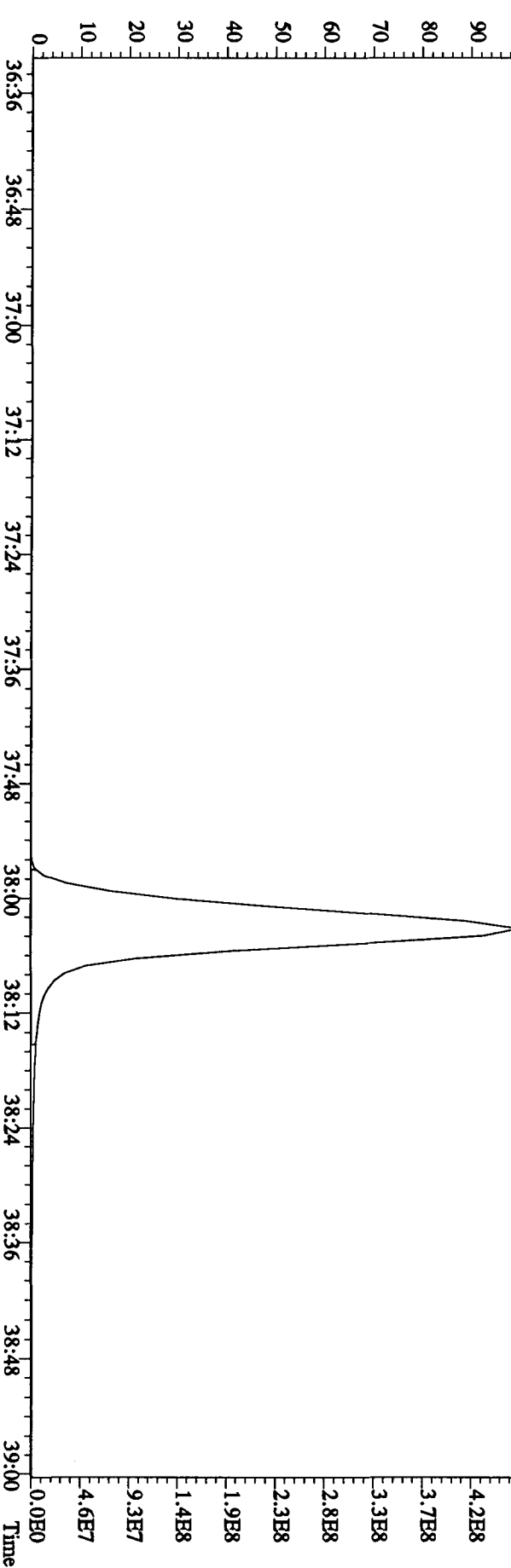
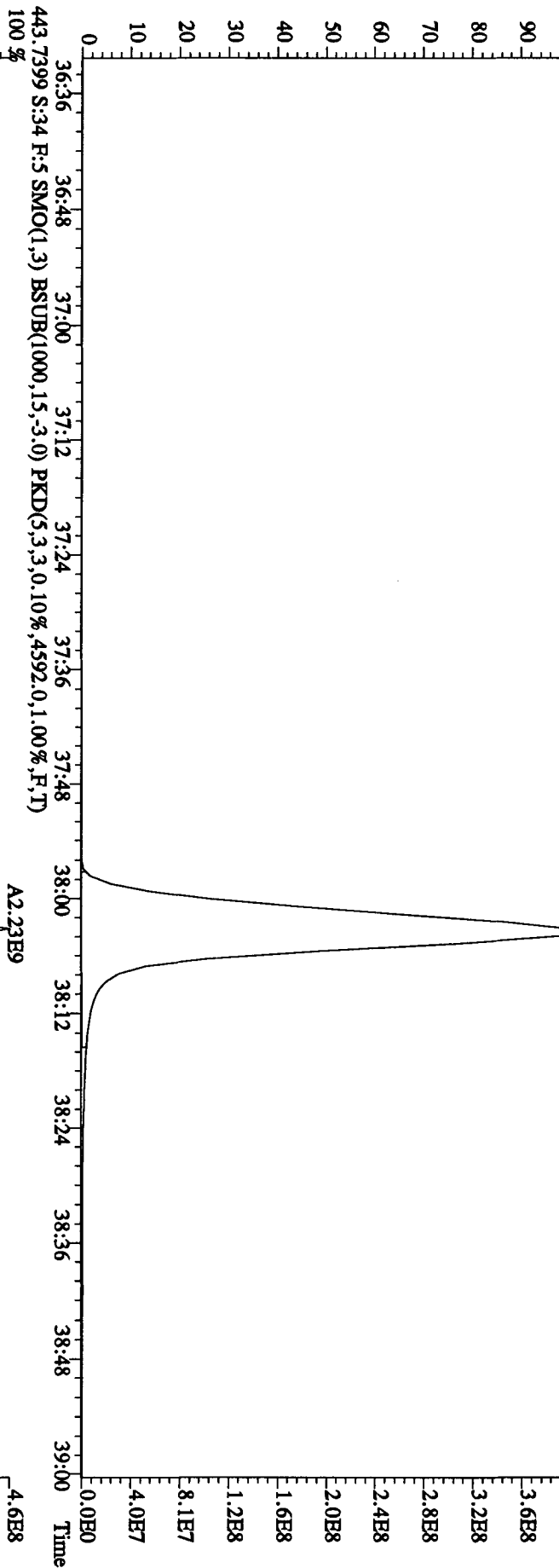
File: 21AP10B4D5 #1-198 Acq: 22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#34 Text: LXM8R-1-AD :G0D080425-35 Exp: DIOXINRES8290A
 423.7766 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7876.0,1.00%,F,T)
 100%



File:21AP10B4D5 #1-190 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-UltimaE

Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A

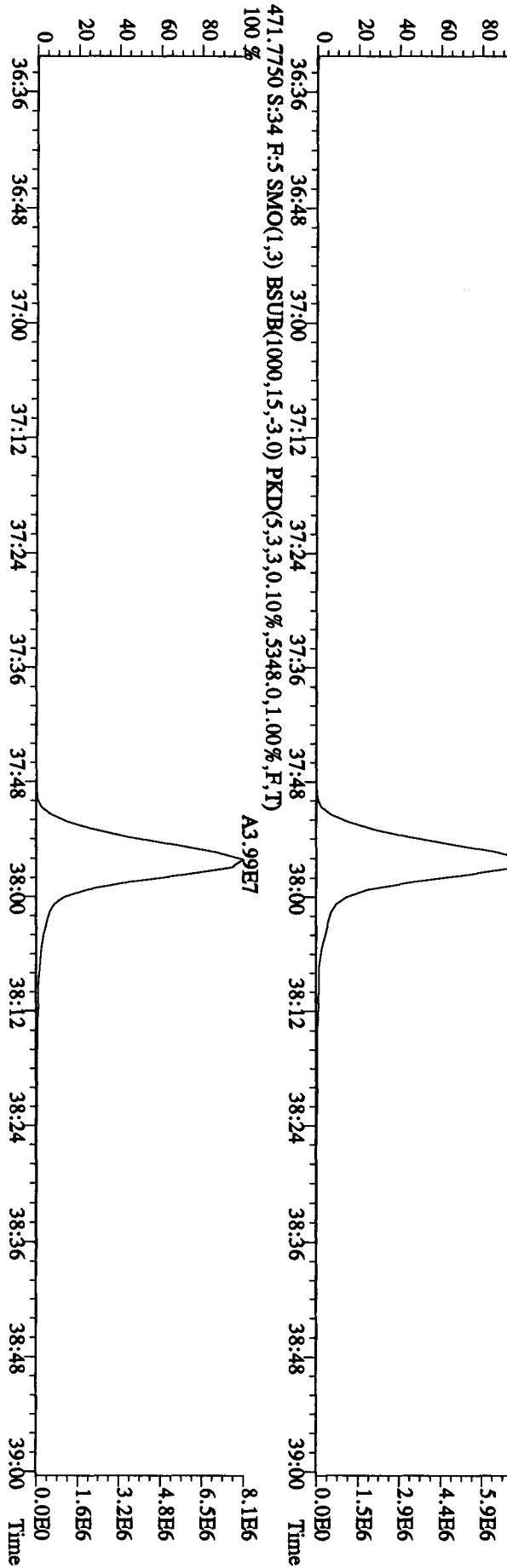
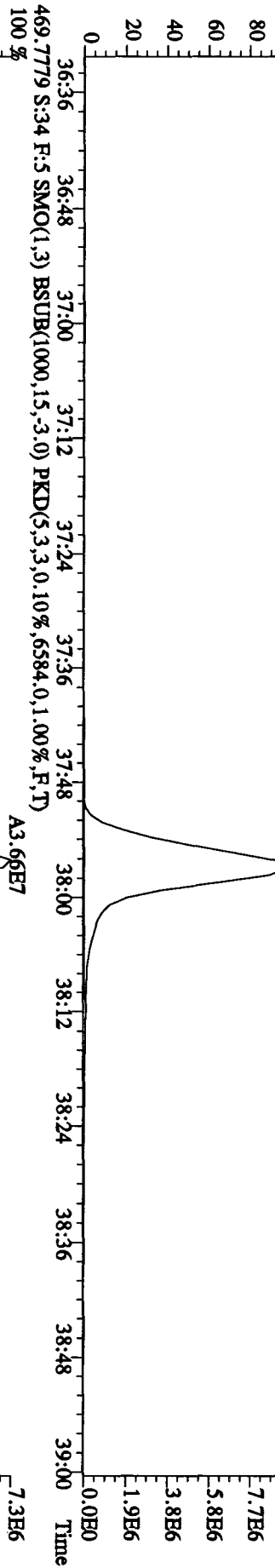
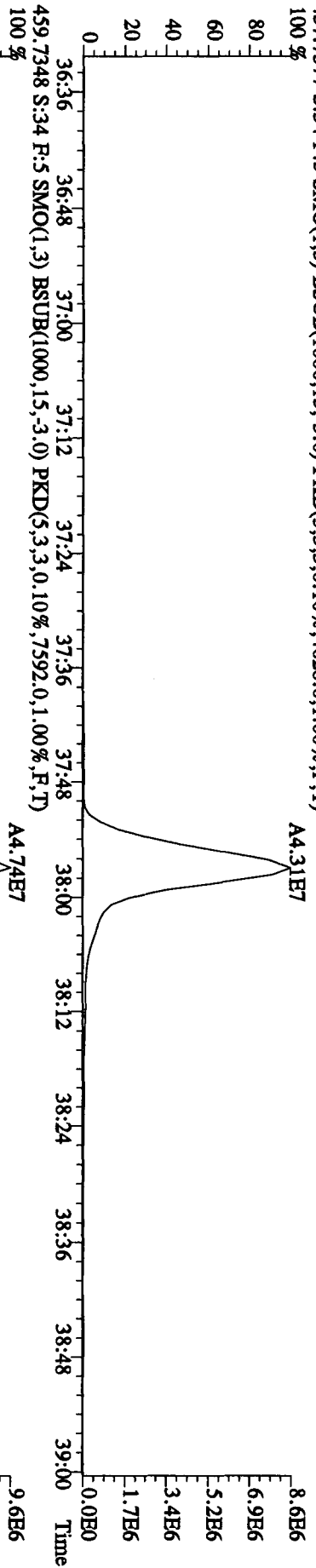
441.7428 S:34 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2660.0,1.00%,F,T)



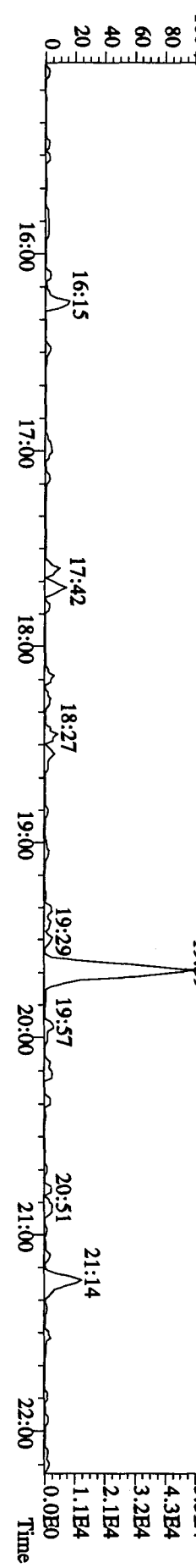
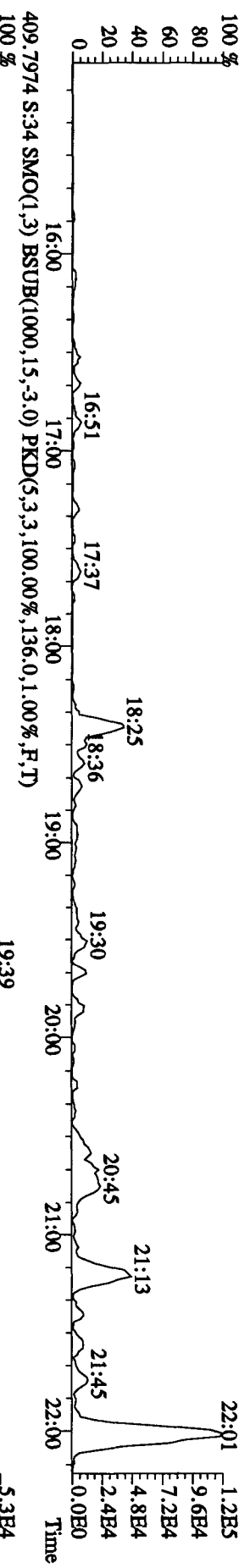
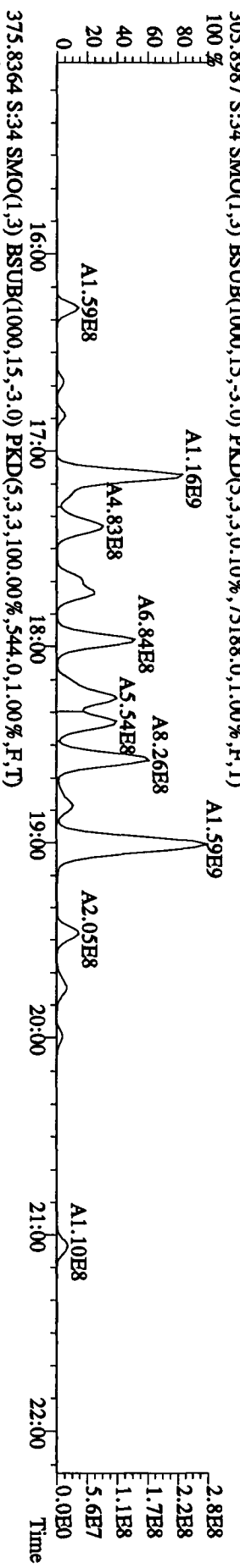
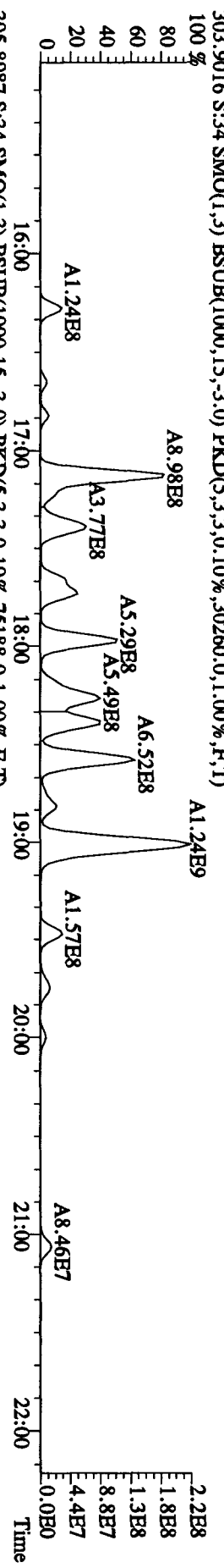
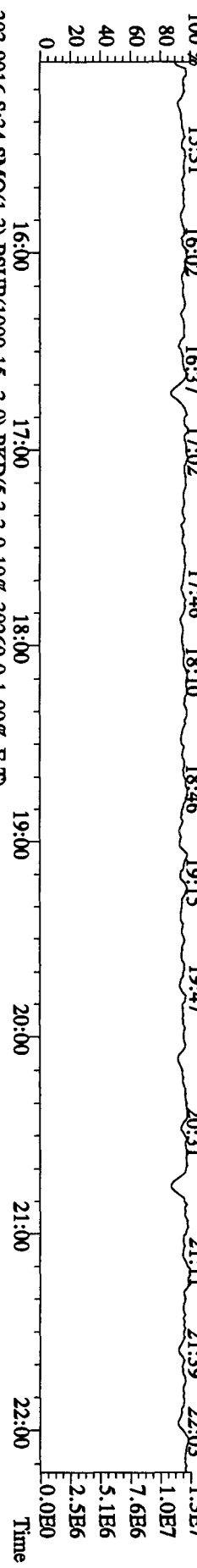
File:21ADP10B4D5 #1-190 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate

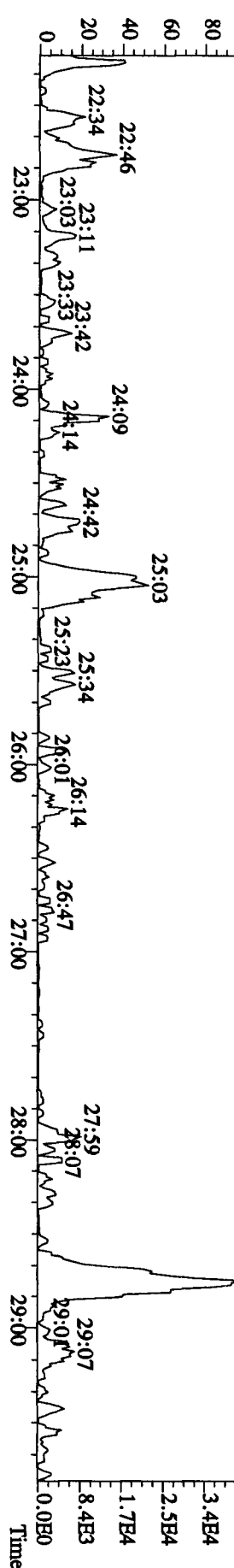
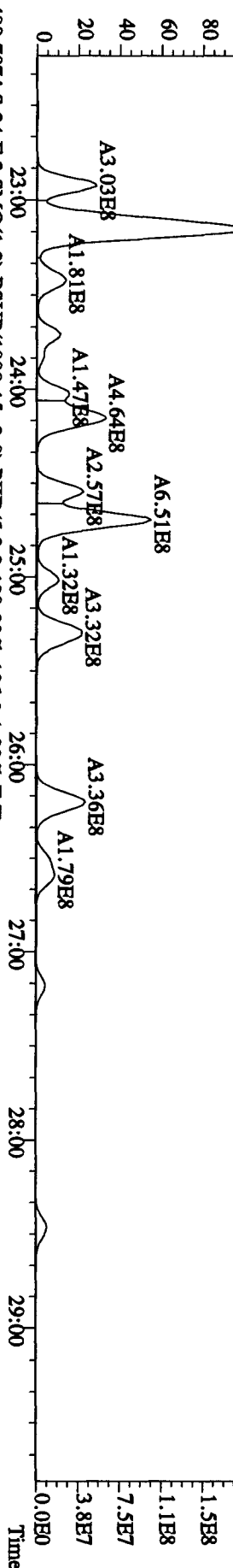
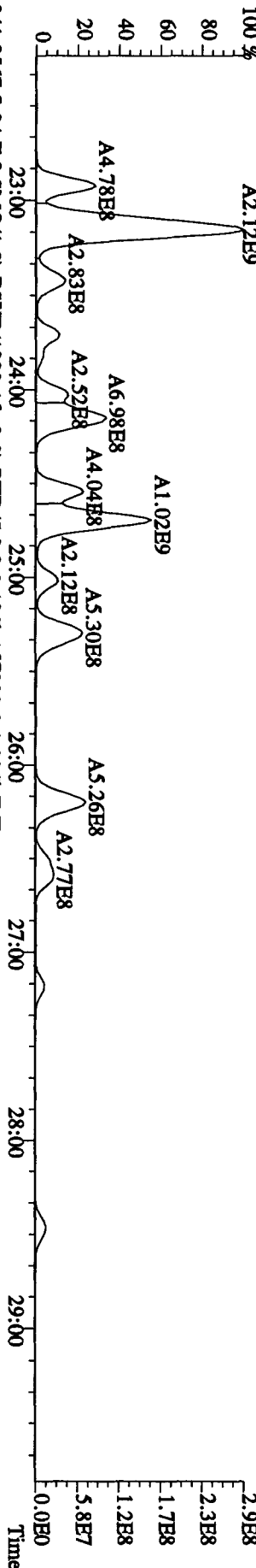
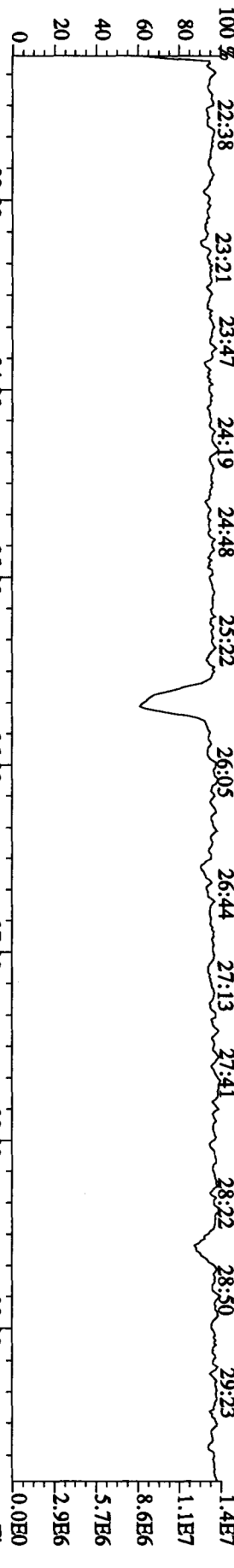
Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A

457.7377 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4628.0,1.00%,F,T)



File:21AP10B4D5 #1-434 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#34 Text:LXM8R-1-AD :GOD080425-35 Exp:DIOXINRESS290A
 354.9792 S:34 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



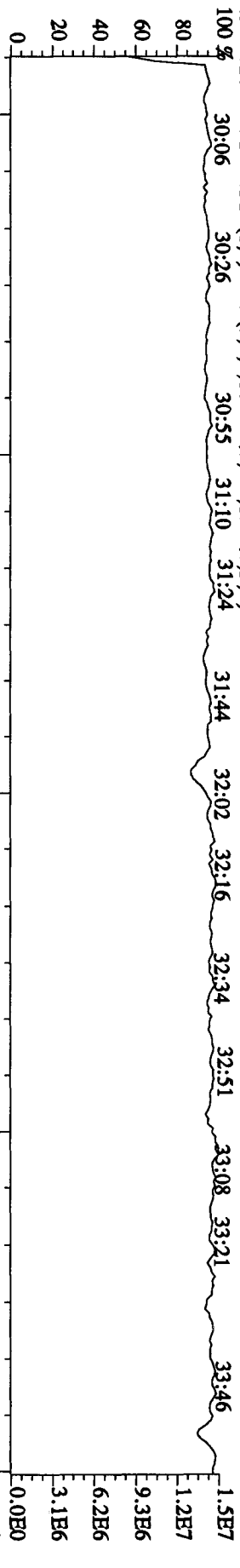


File: 21AP10B4D5 #1-317 Acq: 22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-UltimaE

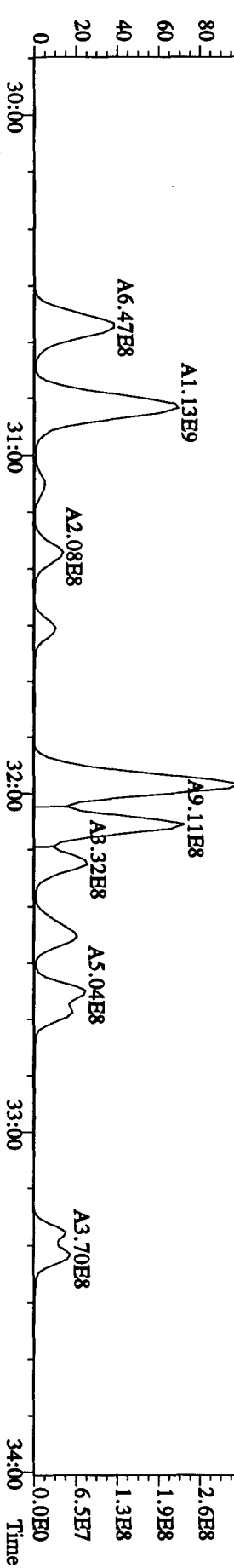
Sample#34 Text: LXM8R-1-AD :G0D080425-35 Exp: DIOXINRES8290A

430.9728 S:34 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

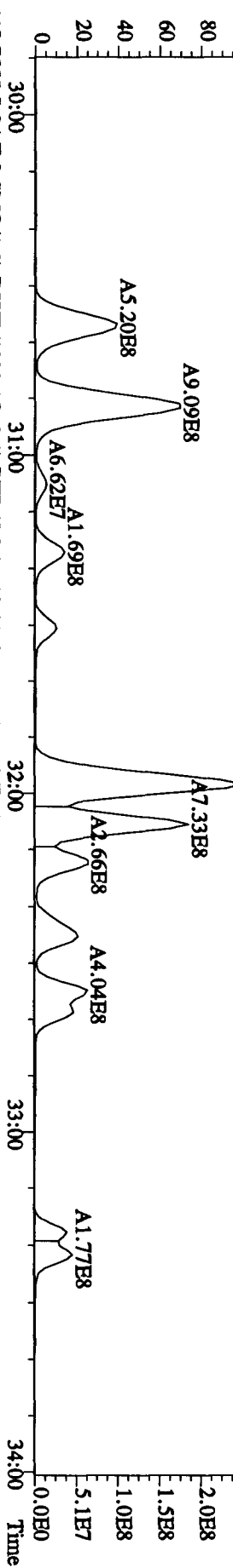
100% 30:06 30:26 30:55 31:10 31:24 31:44 32:02 32:16 32:34 32:51 33:08 33:21 33:46



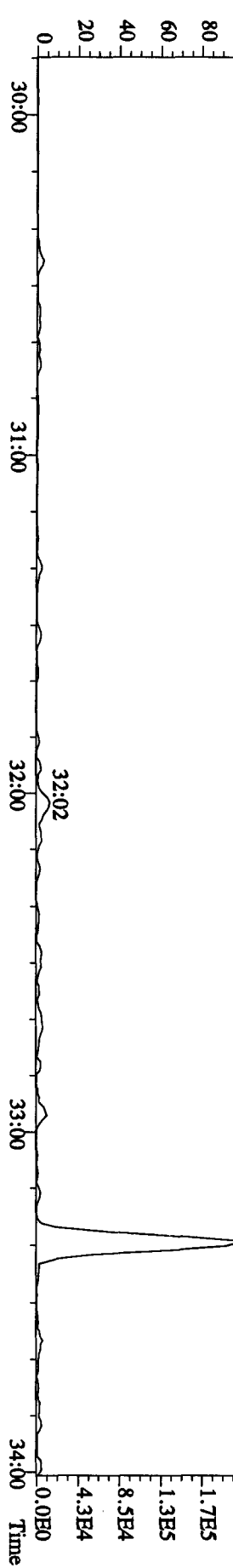
373.8208 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,398136.0,1.00%,F,T)

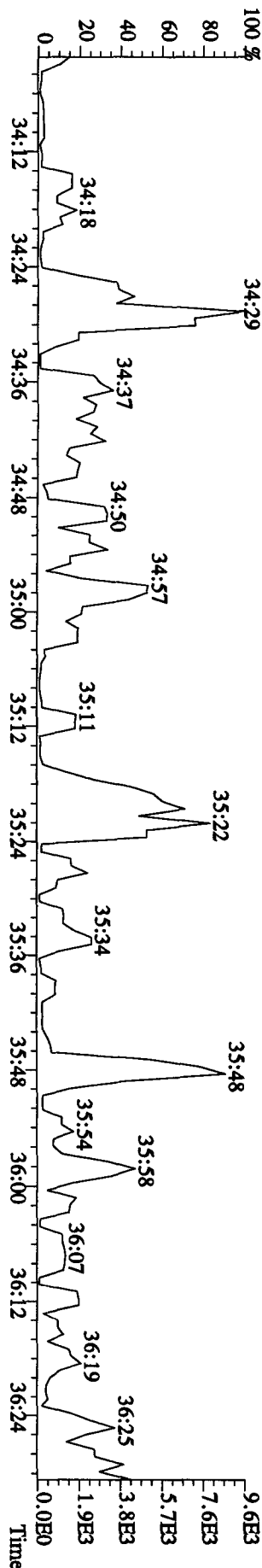
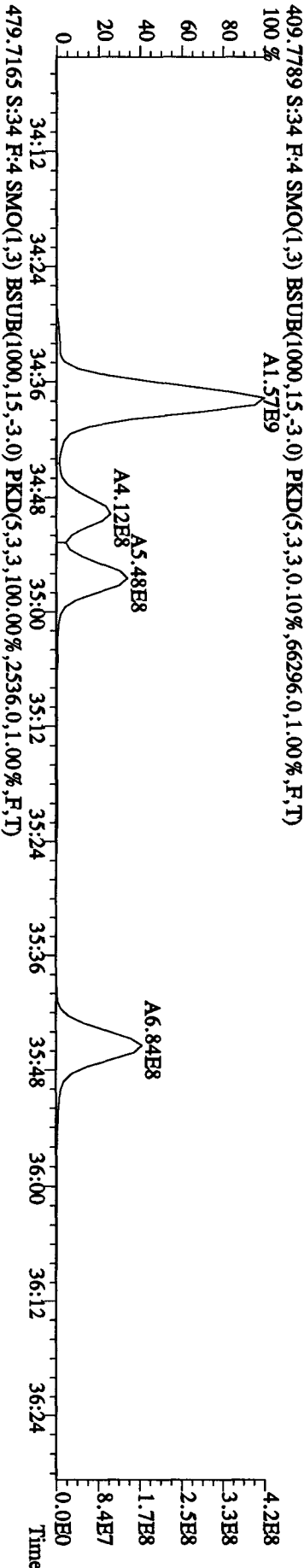
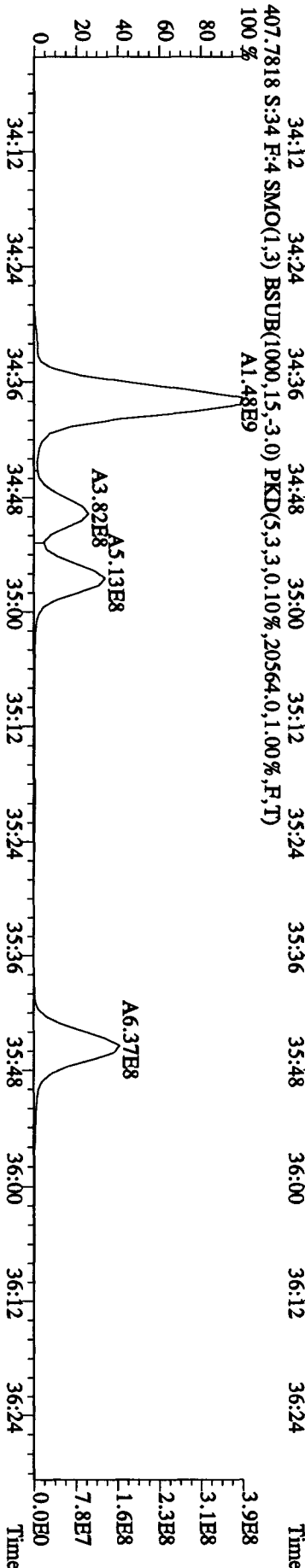
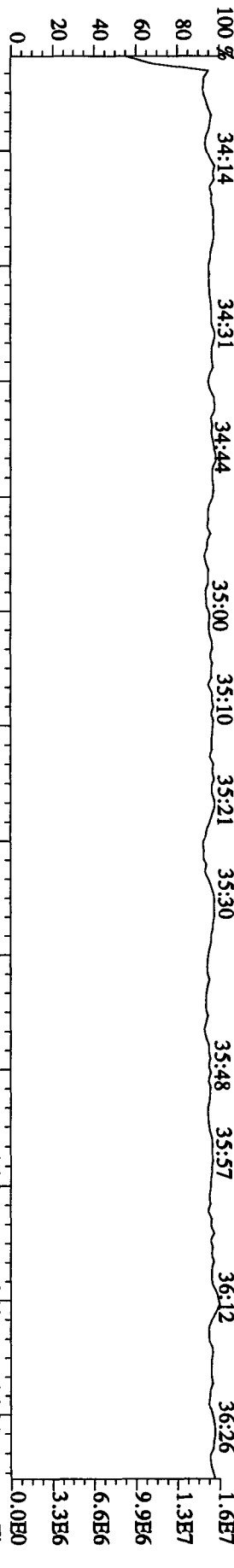


375.8178 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,188160.0,1.00%,F,T)

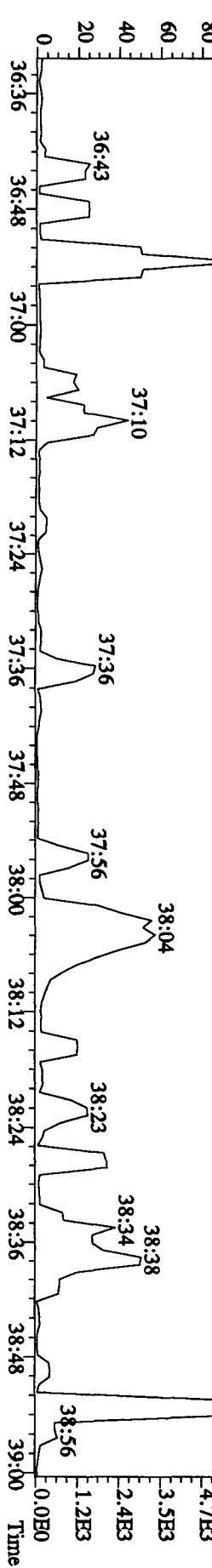
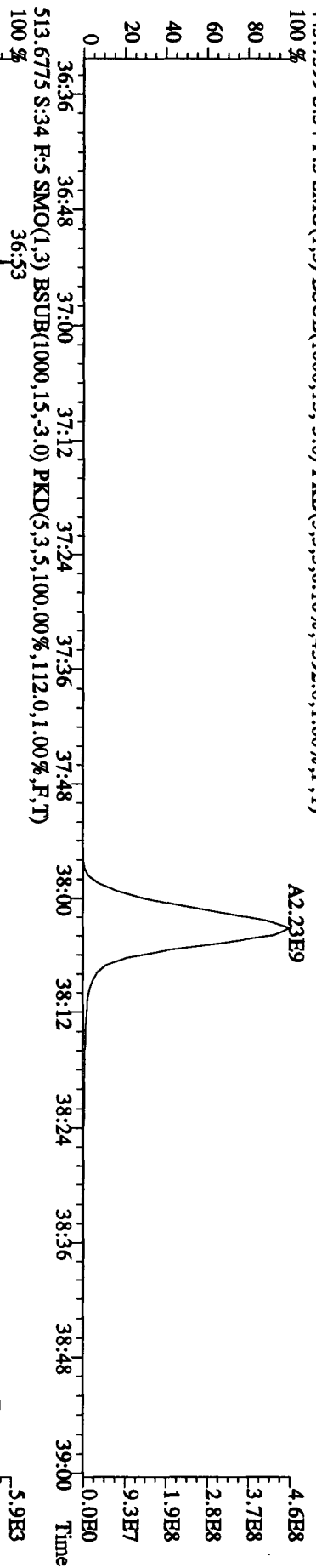
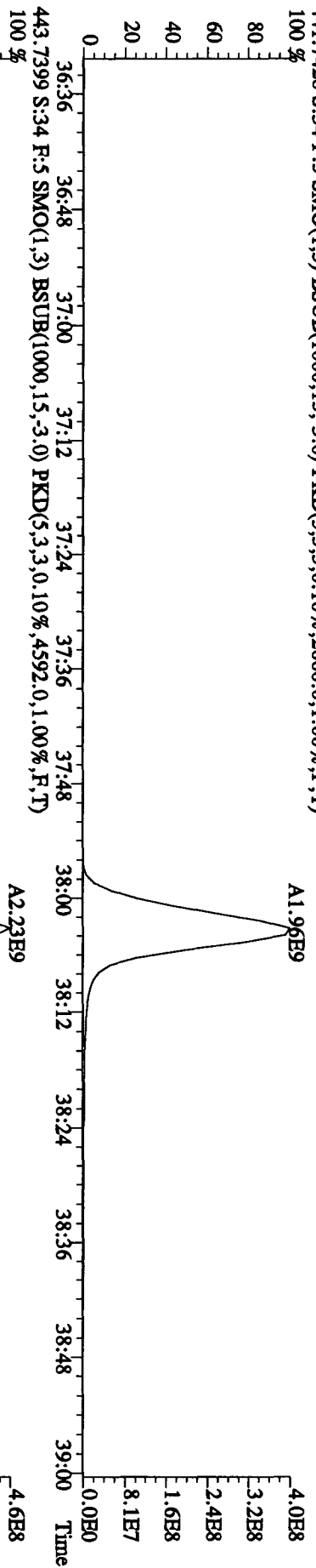
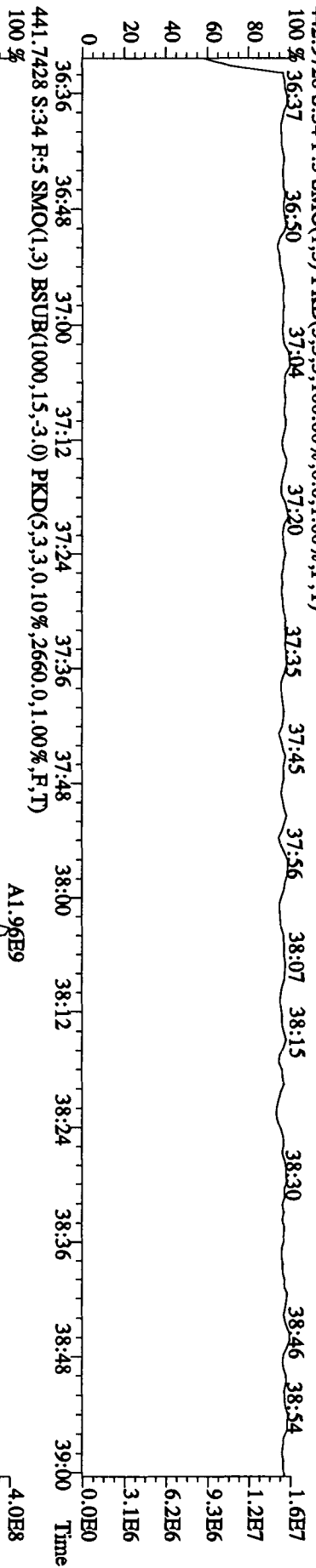


445.7555 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,120.0,1.00%,F,T)





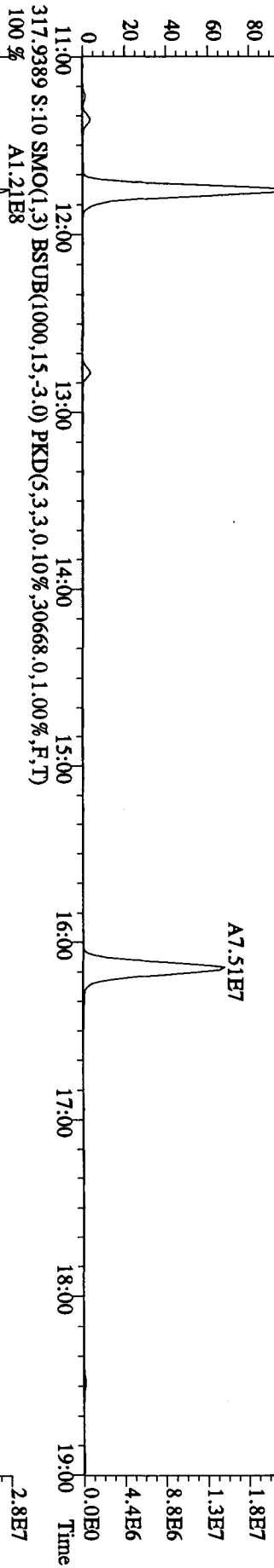
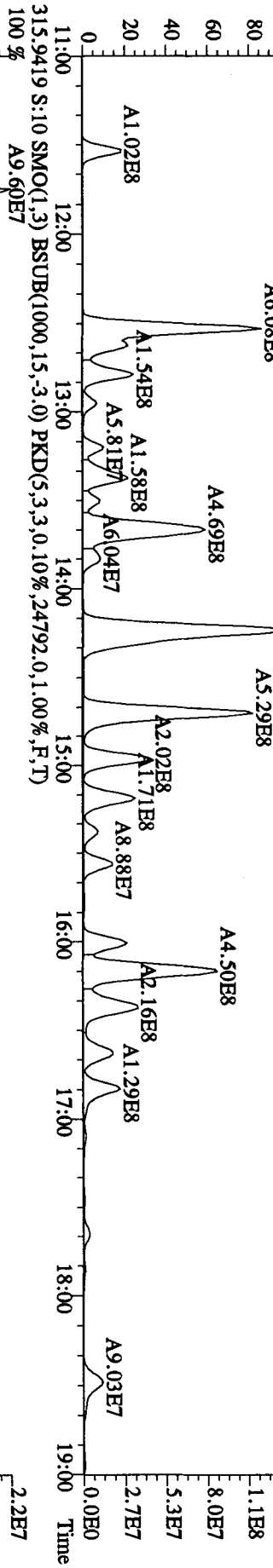
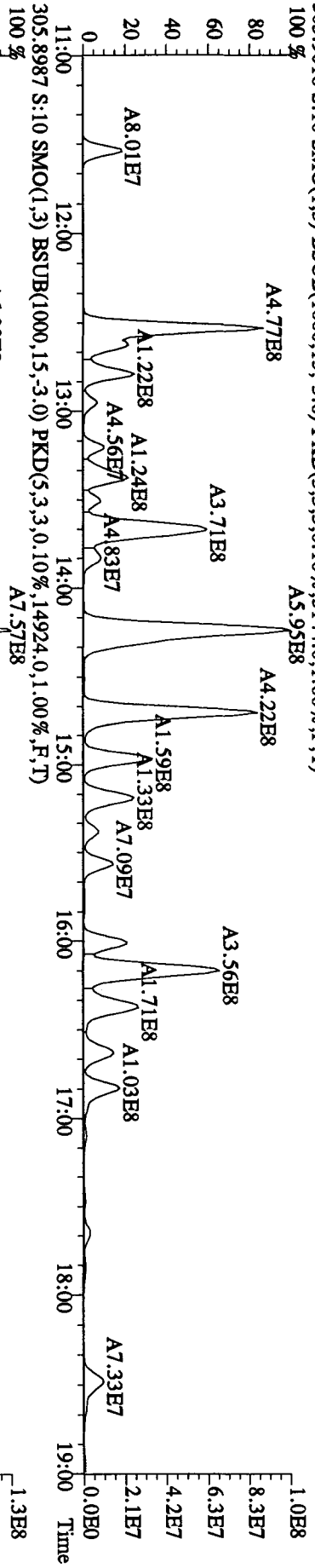
File:21ADP10B4D5 #1-190 Acq:22-APR-2010 21:19:22 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#34 Text:LXM8R-1-AD :G0D080425-35 Exp:DIOXINRES8290A
 442.9728 S:34 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 36:37 36:50 37:04 37:20 37:35 37:45 37:56 38:07 38:15 38:30 38:46 38:54



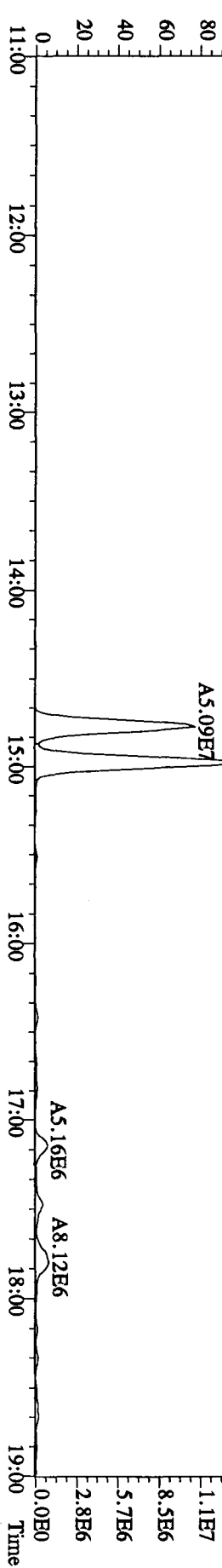
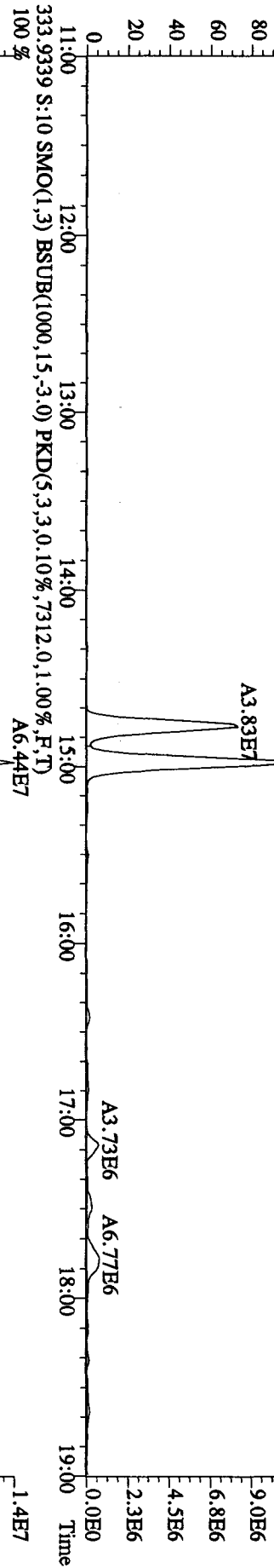
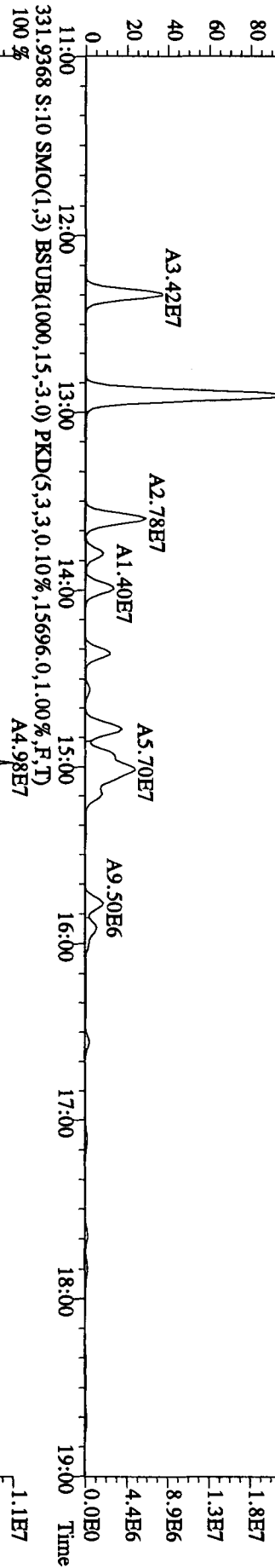
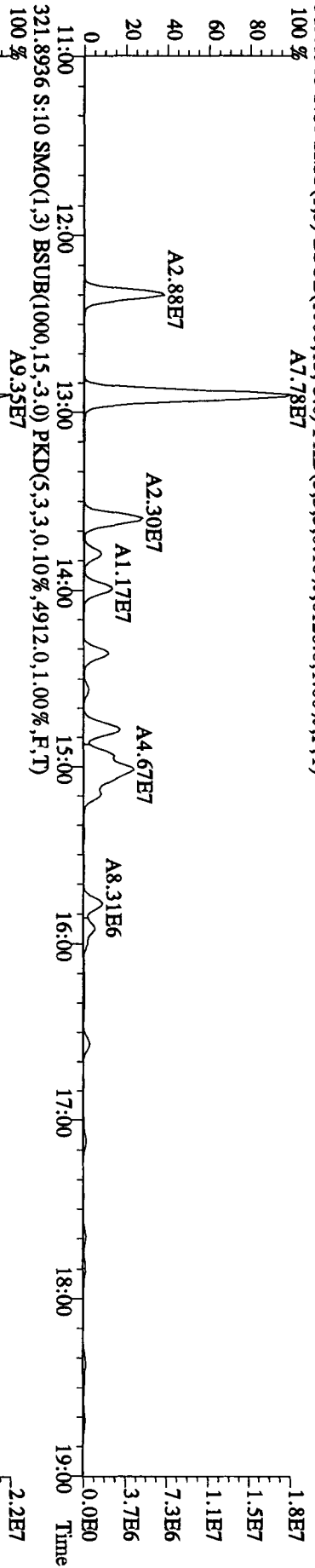
Run text: LXM8R-1-AD Sample text: LXM8R-1-AD :G0D080425-35
 Run #14 Filename: 23AP10C5D2 S: 10 I: 1 Results: 23AP10C5D2DB225
 Acquired: 24-APR-10 02:18:35 Processed: 24-APR-10 09:59:01
 Run: 23AP10C5D2 Analyte: DB225 Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.1700g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	114143000	0.77 y	14:59	-	11.28	-	-	n
13C-2,3,7,8-TCDF	167360700	0.81 y	16:09	2.11	136.90	0.61	69.6	n
2,3,7,8-TCDF	805609000	0.79 y	16:10	1.09	869.70	0.33	-	n
13C-2,3,7,8-TCDD	89197200	0.75 y	14:46	0.95	162.03	0.56	82.4	n
2,3,7,8-TCDD	35917700	0.84 y	14:47	1.36	58.35	0.25	-	n
37Cl-2,3,7,8-TCDD	82213400	1.00 y	14:47	2.28	62.18	0.29	79.0	n

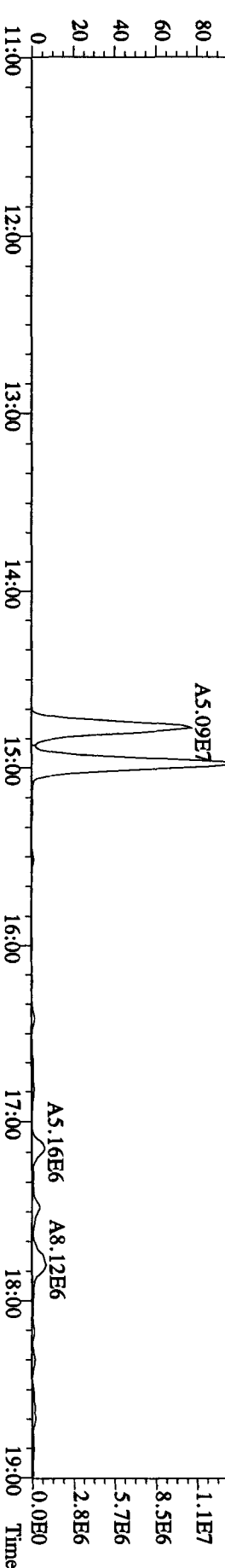
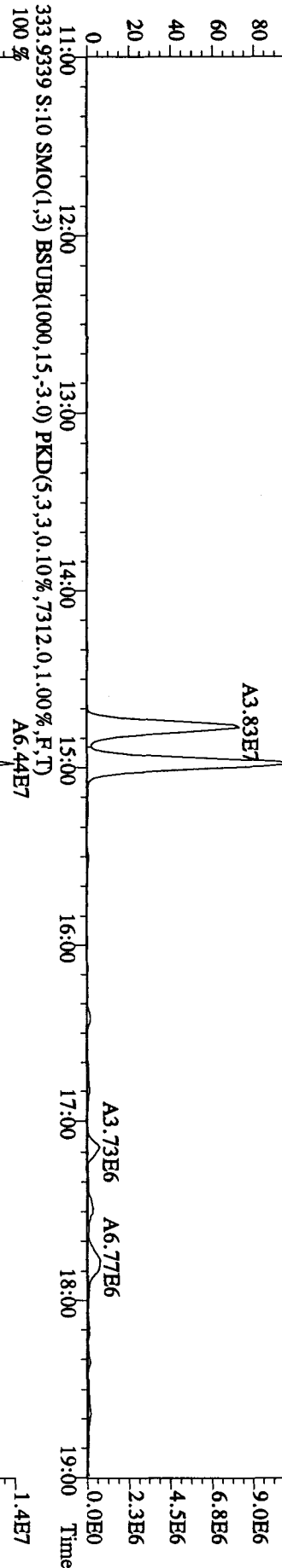
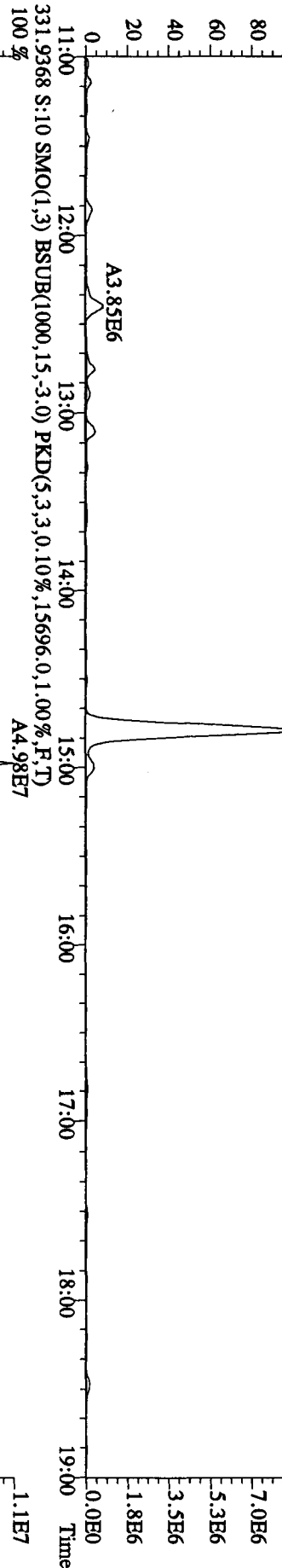
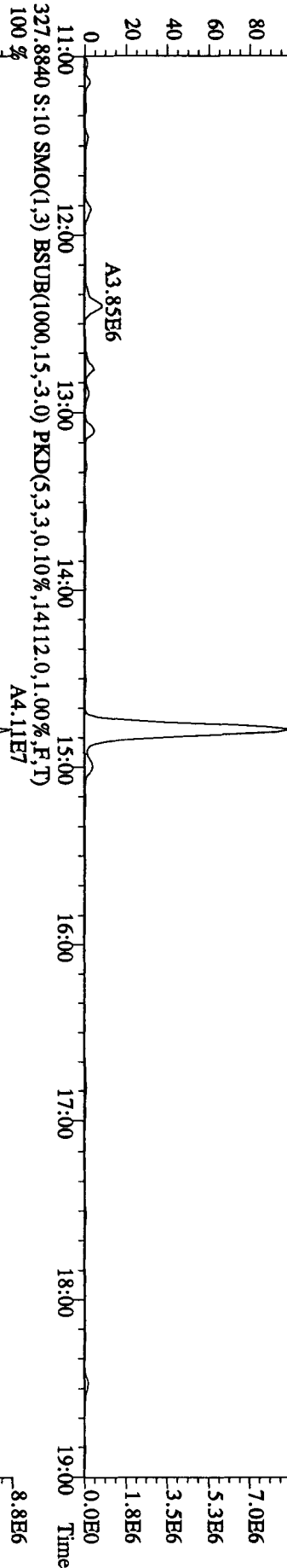
VD 4.25.10



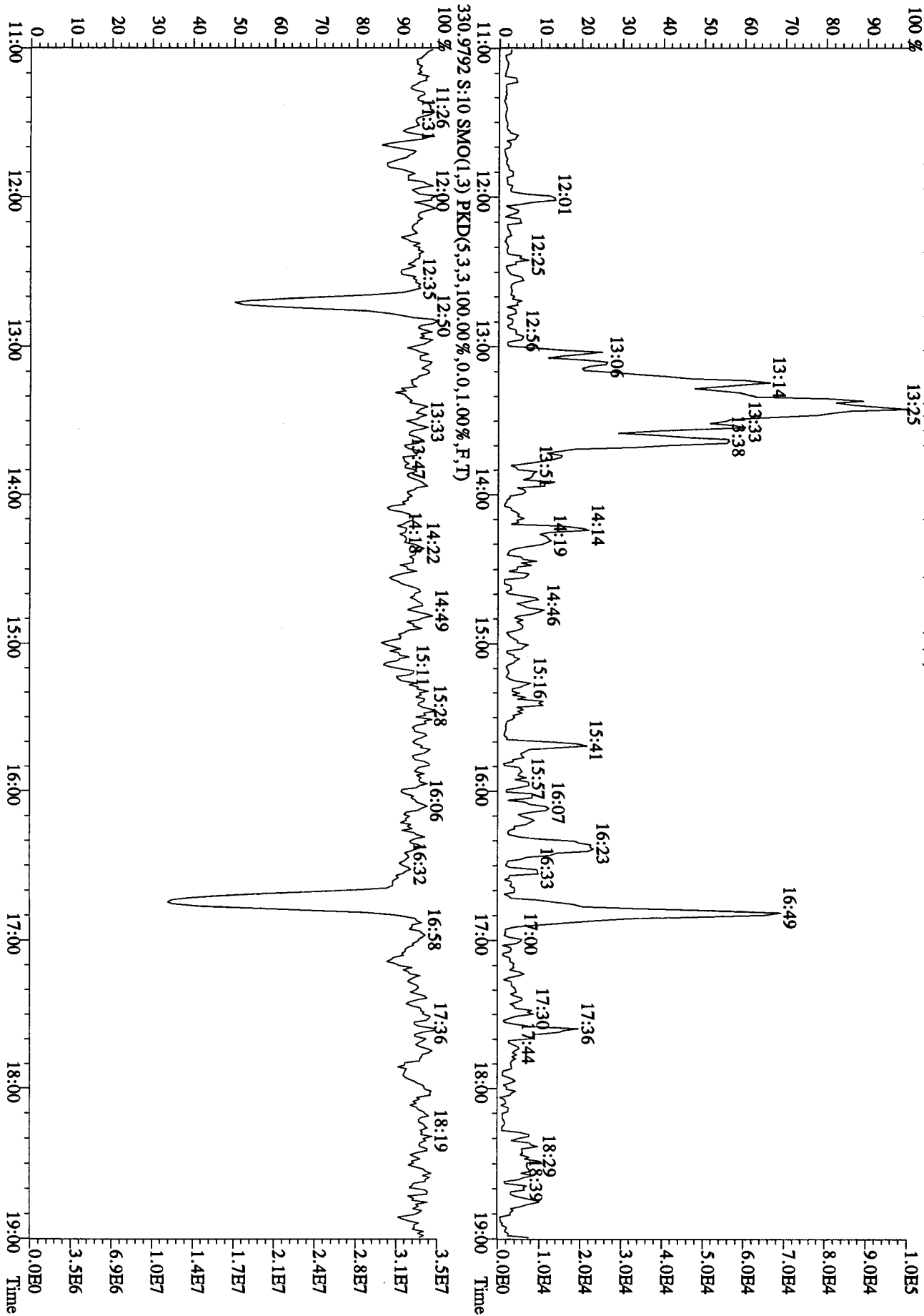
File:23API0C5D2 #1-1241 Acq:24-APR-2010 02:18:35 GC EI + Voltage SIR 705E
 Sample#10 Text:LXM8R-1-AD :GDD080425-35 Exp:DB225
 319.8965 S:10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6128.0,1.00%,F,T)
 100%



File:23API10C5D2 #1-1241 Acq:24-APR-2010 02:18:35 GC EI+ Voltage SIR 70SE
 Sample#10 Text:LXM8R-1-AD :G0D080425-35 Exp:DB225
 327.8840 S:10 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14112.0,1.00%,F,T) A4.11E7



File: 23AP100C5D2 #1-1241 Acq: 24-APR-2010 02:18:35 GC EI + Voltage SIR 70SE
 Sample#10 Text: LXM8R-1-AD : G0D080425-35 Exp: DB225
 375.8364 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2728.0,1.00%,F,T)
 100 %



Run text: LX1XL-1-AC Sample text: LX1XL-1-AC :G0D080425-47
 Run #36 Filename: 21AP10B4D5 S: 35 I: 1 Results: 21AP10B4D58290AVG1
 Acquired: 22-APR-10 22:03:24 Processed: 23-APR-10 08:47:34
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.14 g

Vs 4.25.6

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	166669100	0.80 y	19:33	-	12.355	-	-	n
13C-2,3,7,8-TCDF	184358700	0.79 y	18:59	1.52	143.465	0.145	72.7	n
2,3,7,8-TCDF	535886	0.76 y	19:00	0.95	0.606 <i>JB</i>	0.131	-	n
Total TCDF	3174015	0.45 n	16:17	0.95	3.592	0.131	-	n
13C-2,3,7,8-TCDD	132908900	0.79 y	19:45	0.95	165.619	0.173	84.0	n
2,3,7,8-TCDD	*	* n	NotFnd	1.02	*	0.066	-	n
Total TCDD	110844	0.73 y	17:36	1.02	0.161	0.066	-	n
37Cl-2,3,7,8-TCDD	135212800	1.00 y	19:47	2.26	70.761	0.046	89.7	n
13C-1,2,3,7,8-PeCDF	138904900	1.59 y	24:40	1.05	156.506	0.595	79.3	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.04	*	0.684	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.98	*	0.728	-	n
Total F2 PeCDF	*	* n	NotFnd	1.01	*	0.706	-	n
Total F1 PeCDF	*	* n	NotFnd	1.01	*	1.437	-	n
13C-1,2,3,7,8-PeCDD	93307400	1.61 y	26:59	0.67	164.693	0.445	83.5	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.98	*	0.206	-	n
Total PeCDD	24327	0.98 n	23:21	0.98	0.052	0.206	-	n
13C-1,2,3,7,8,9-HxCDD	124389500	1.19 y	33:07	-	11.938	-	-	n
13C-1,2,3,4,7,8-HxCDF	96883300	0.53 y	31:58	1.02	149.897	0.662	76.0	n
1,2,3,4,7,8-HxCDF	441743	1.18 y	31:58	1.21	0.742 <i>JB</i>	0.154	-	n
1,2,3,6,7,8-HxCDF	238379	1.04 n	32:06	1.34	0.361 <i>JB</i>	0.139	-	n
2,3,4,6,7,8-HxCDF	90636	1.10 y	32:38	1.22	0.151 <i>JB</i>	0.152	-	y
1,2,3,7,8,9-HxCDF	164185	1.48 <i>n</i>	33:18	1.09	0.306 <i>JB</i>	0.170	-	y
Total HxCDF	2017508	1.27 y	30:37	1.22	3.370	0.153	-	y
13C-1,2,3,6,7,8-HxCDD	87273400	1.22 y	32:51	0.81	171.467	1.204	86.9	n
1,2,3,4,7,8-HxCDD	46561	2.22 <i>n</i>	32:48	1.01	0.105	0.096	-	n
1,2,3,6,7,8-HxCDD	46561	2.45 <i>n</i>	32:52	1.11	0.094 <i>JB</i>	0.086	-	n
1,2,3,7,8,9-HxCDD	101972	2.48 <i>n</i>	33:08	1.21	0.191 <i>JB</i>	0.080	-	y
Total HxCDD	351600	1.24 y	31:58	1.11	0.708	0.087	-	y
13C-1,2,3,4,6,7,8-HpCDF	77352100	0.43 y	34:38	0.86	142.192	1.103	72.1	n
1,2,3,4,6,7,8-HpCDF	564937	1.06 y	34:38	1.31	1.100 <i>JB</i>	0.152	-	n
1,2,3,4,7,8,9-HpCDF	236834	1.03 y	35:45	1.03	0.589 <i>JB</i>	0.194	-	n
Total HpCDF	1183647	1.43 n	34:08	1.17	2.523	0.171	-	n
13C-1,2,3,4,6,7,8-HpCDD	68877400	1.07 y	35:26	0.70	156.583	1.903	79.4	n
1,2,3,4,6,7,8-HpCDD	153209	1.54 <i>n</i>	35:27	1.07	0.409 <i>JB</i>	0.209	-	y
Total HpCDD	1139289	0.67 n	34:26	1.07	3.044	0.209	-	y
13C-OCDD	81981500	0.91 y	37:56	0.53	244.632	0.809	62.0	n
OCDF	794513	0.90 y	38:03	1.45	2.645 <i>JB</i>	0.325	-	n

OCDD

258350 1.02 n 37:57 1.17

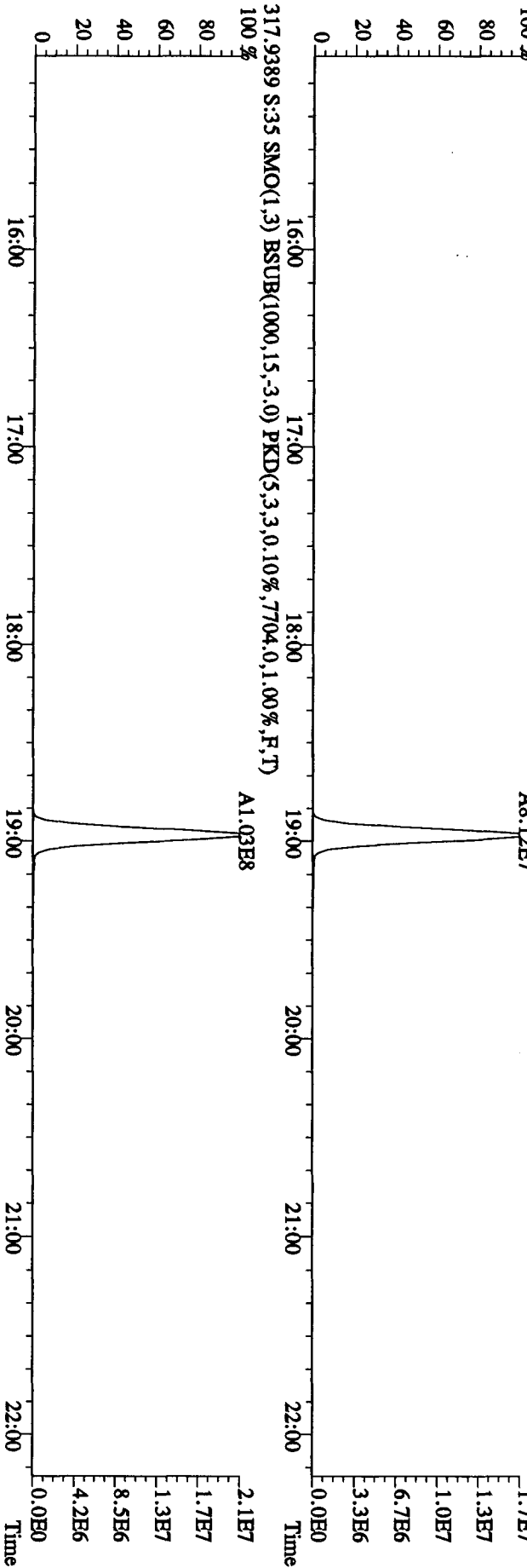
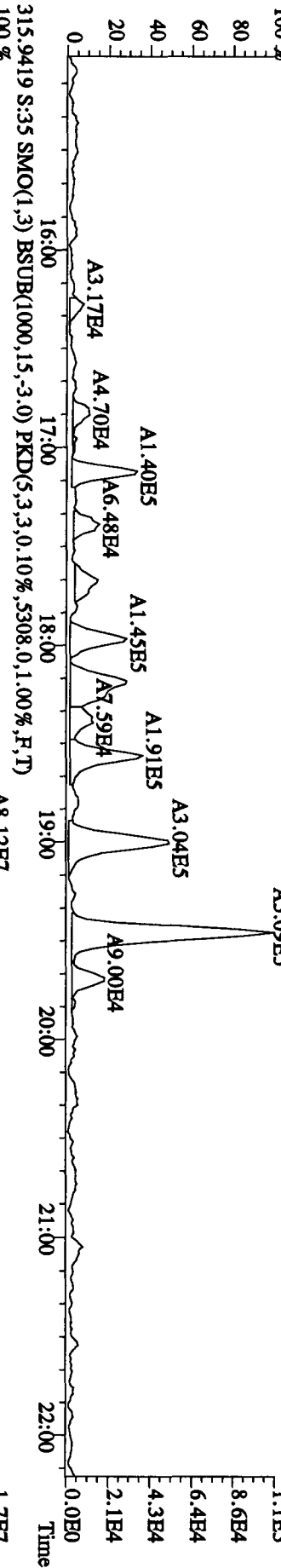
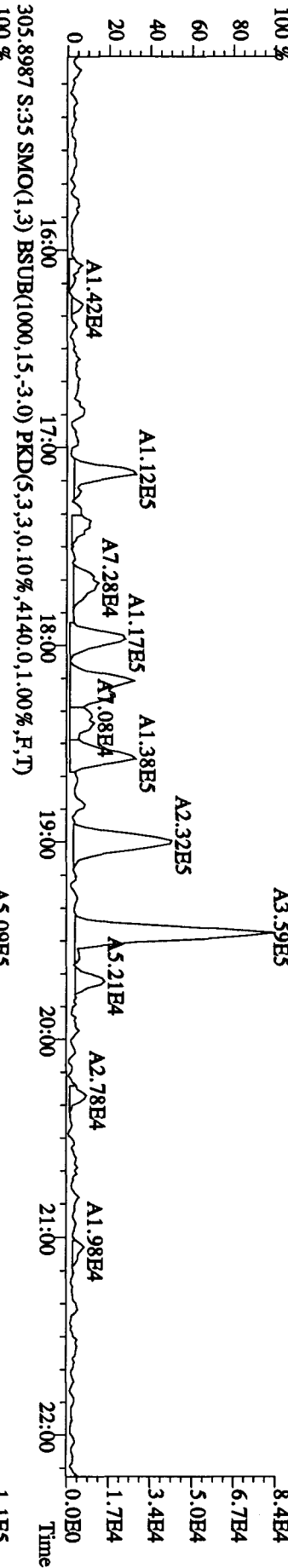
1.066 JQ B 0.253

- n

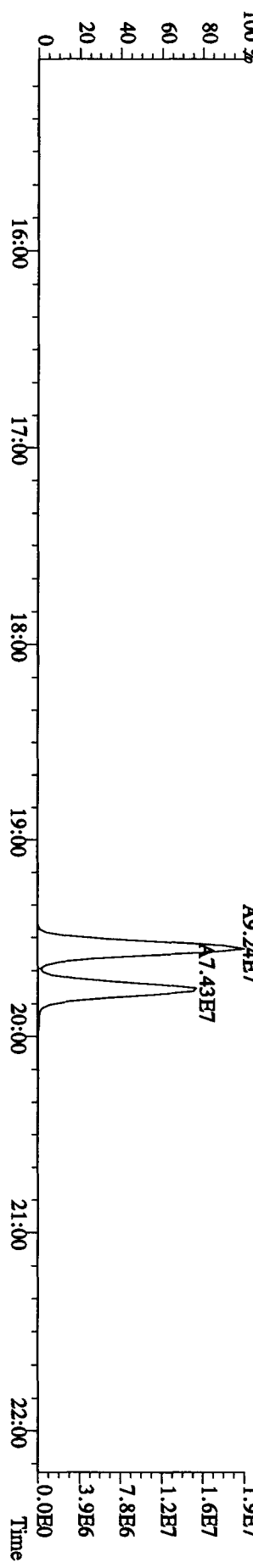
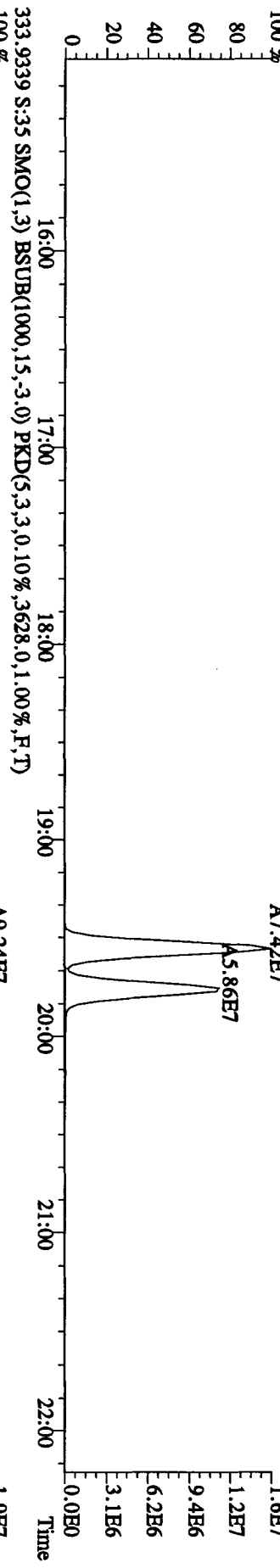
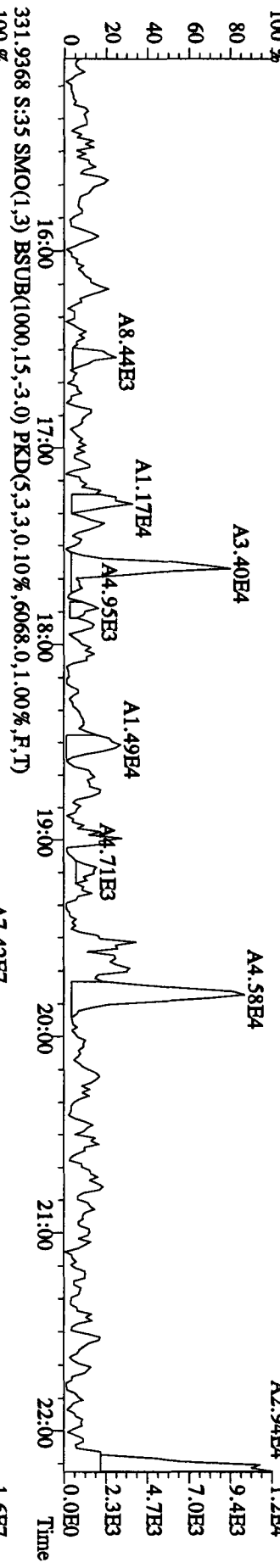
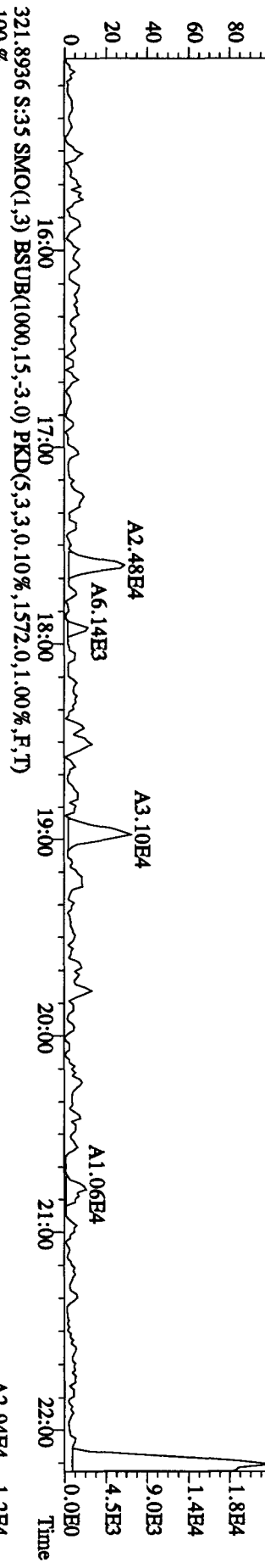
Run text: LX1XL-1-AC Sample text: LX1XL-1-AC :G0D080425-47
Run #36 Filename: 21AP10B4D5 S: 35 I: 1 Results: 21AP10B4D58290A
Acquired: 22-APR-10 22:03:24 Processed: 23-APR-10 08:47:34
Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5
Sample size: 10.14 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	166669100	0.80 y	19:33	-	12.3549	-	-	n
13C-2,3,7,8-TCDF	184358700	0.79 y	18:59	1.52	143.4651	0.1448	72.7	n
2,3,7,8-TCDF	535886	0.76 y	19:00	0.95	0.6065 JB	0.1308	-	n
Total TCDF	3174015	0.45 n	16:17	0.95	3.5922	0.1308	-	n
13C-2,3,7,8-TCDD	132908900	0.79 y	19:45	0.95	165.6190	0.1728	84.0	n
2,3,7,8-TCDD	*	* n	NotFnd	1.02	*	0.0655	-	n
Total TCDD	110844	0.73 y	17:36	1.02	0.1611	0.0655	-	n
37Cl-2,3,7,8-TCDD	135212800	1.00 y	19:47	2.26	70.7615	0.0457	89.7	n
13C-1,2,3,7,8-PeCDF	138904900	1.59 y	24:40	1.05	156.5060	0.5947	79.3	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.04	*	0.6845	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.98	*	0.7281	-	n
Total F2 PeCDF	*	* n	NotFnd	1.01	*	0.7056	-	n
Total F1 PeCDF	*	* n	NotFnd	1.01	*	4.4369	-	n
13C-1,2,3,7,8-PeCDD	93307400	1.61 y	26:59	0.67	164.6929	0.4449	83.5	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.98	*	0.2061	-	n
Total PeCDD	24327	0.98 n	23:21	0.98	0.0524	0.2061	-	n
13C-1,2,3,7,8,9-HxCDD	124389500	1.19 y	33:07	-	11.9381	-	-	n
13C-1,2,3,4,7,8-HxCDF	96883200	0.53 y	31:58	1.02	149.8964	0.6622	76.0	n
1,2,3,4,7,8-HxCDF	441743	1.18 y	31:58	1.21	0.7416 JB	0.1535	-	n
1,2,3,6,7,8-HxCDF	238379	1.04 n	32:06	1.34	0.3614 JQ	0.1386	-	n
2,3,4,6,7,8-HxCDF	184988	1.33 y	32:38	1.22	0.3081	0.1523	-	n
1,2,3,7,8,9-HxCDF	302127	1.31 y	33:18	1.09	0.5630	0.1704	-	n
Total HxCDF	2249802	1.27 y	30:37	1.22	3.7843	0.1529	-	n
13C-1,2,3,6,7,8-HxCDD	87273400	1.22 y	<u>32:51</u>	0.81	171.4669	1.2038	86.9	n
1,2,3,4,7,8-HxCDD	46561	2.22 n	<u>32:48</u>	1.01	0.1045	0.0956	-	n
1,2,3,6,7,8-HxCDD	46561	2.45 n	32:52	1.11	0.0945 JQ	0.0864	-	n
1,2,3,7,8,9-HxCDD	98238	3.13 n	33:08	1.21	0.1836 JQ	0.0796	-	n
Total HxCDD	347866	1.24 y	31:58	1.11	0.7013	0.0867	-	n
13C-1,2,3,4,6,7,8-HpCDF	77352100	0.43 y	34:38	0.86	142.1923	1.1030	72.1	n
1,2,3,4,6,7,8-HpCDF	564937	1.06 y	34:38	1.31	1.0999 JB	0.1522	-	n
1,2,3,4,7,8,9-HpCDF	236834	1.03 y	35:45	1.03	0.5888 J	0.1943	-	n
Total HpCDF	1183647	1.43 n	34:08	1.17	2.5226	0.1707	-	n
13C-1,2,3,4,6,7,8-HpCDD	68877400	1.07 y	35:26	0.70	156.5828	1.9032	79.4	n
1,2,3,4,6,7,8-HpCDD	121373	1.97 n	35:27	1.07	0.3243 JQB	0.2090	-	n
Total HpCDD	1125608	0.67 n	34:26	1.07	3.0072	0.2090	-	n
13C-OCDD	81981500	0.91 y	37:56	0.53	244.6320	0.8085	62.0	n
OCDF	794513	0.90 y	38:03	1.45	2.6450 JB	0.3253	-	n
OCDD	258350	1.02 n	37:57	1.17	1.0659 JQA	0.2528	-	n

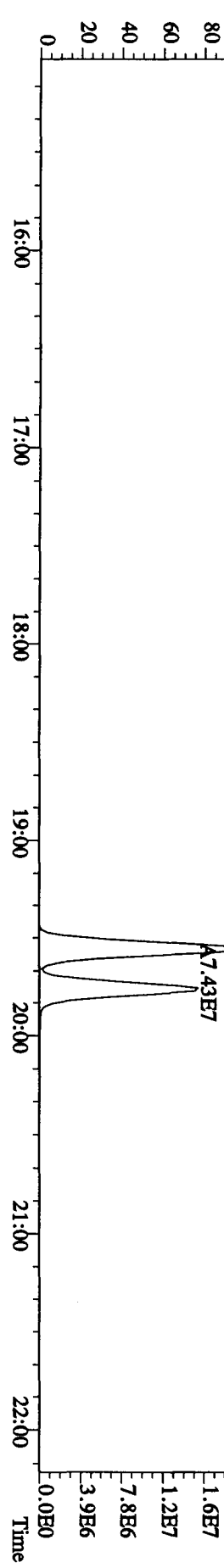
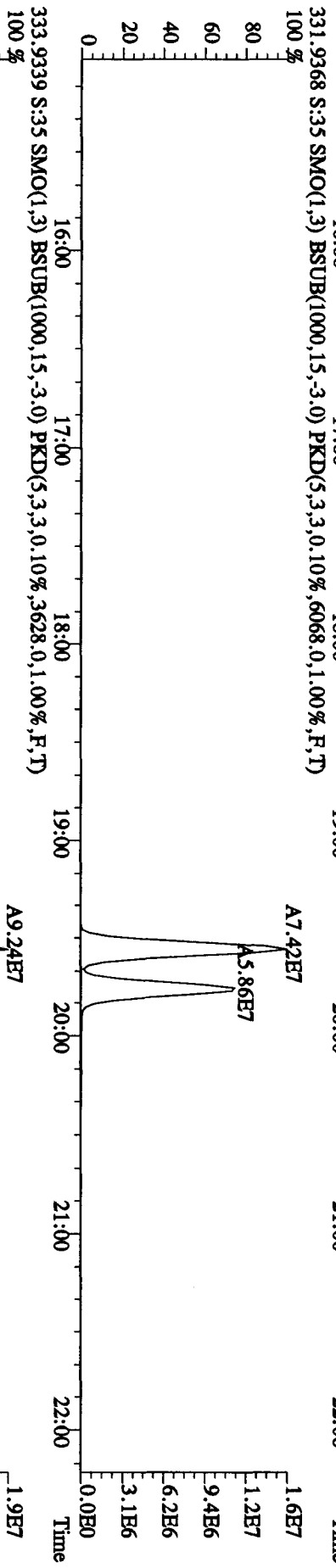
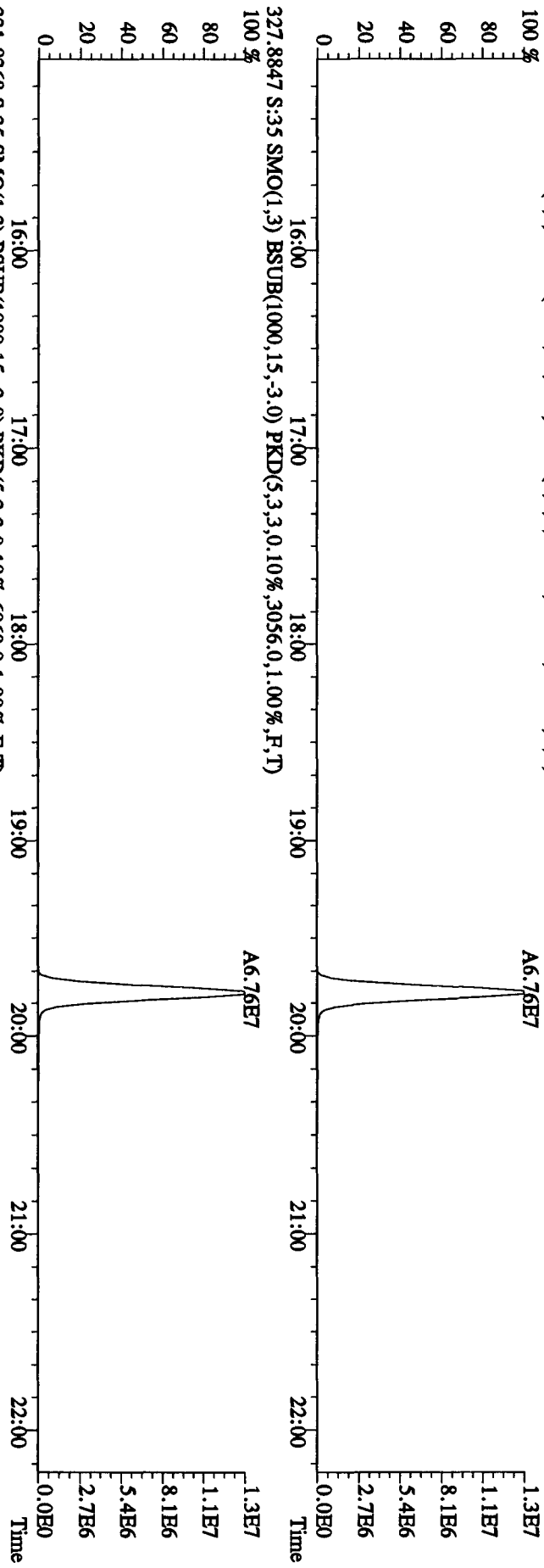
File:21ADP10B4D5 #1-434 Acq:22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-Ultimate
Sample#35 Text:LXIXL-1-AC :G0DD080425-47 Exp:DIOXINRES8290A
303.9016 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7704,0.1,0.0%,F,T)

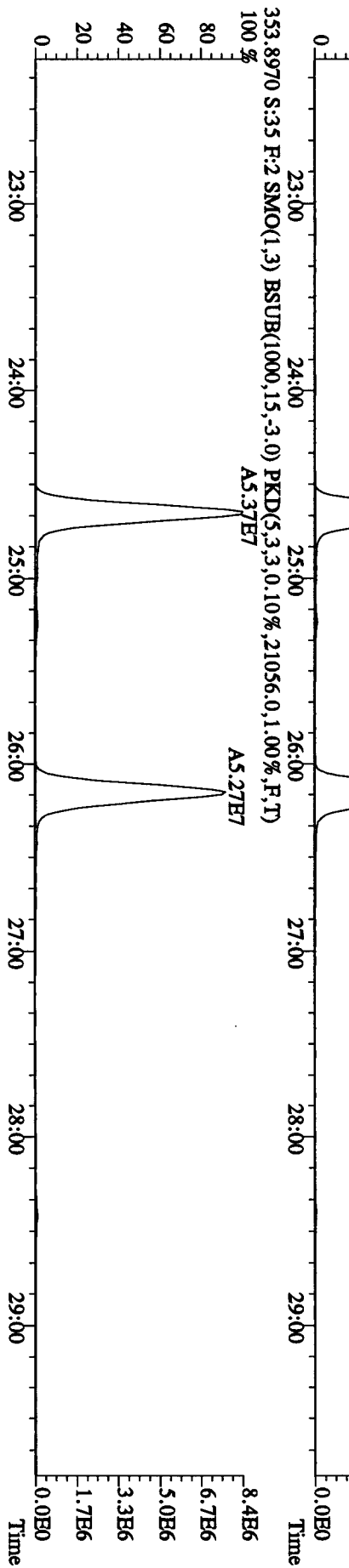
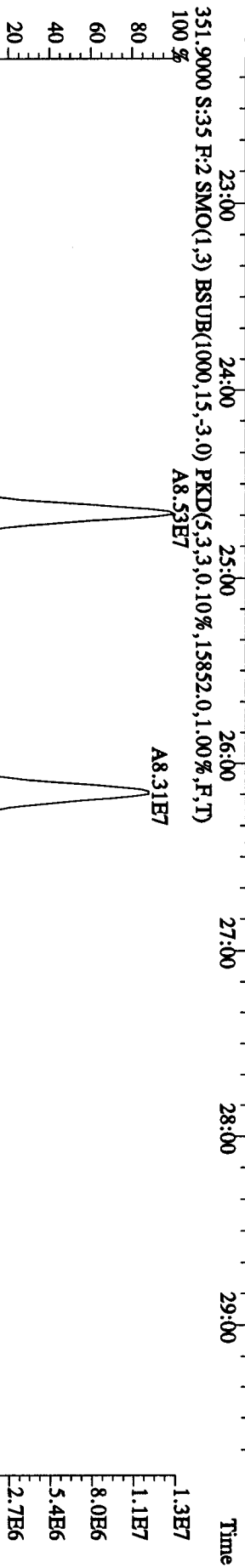
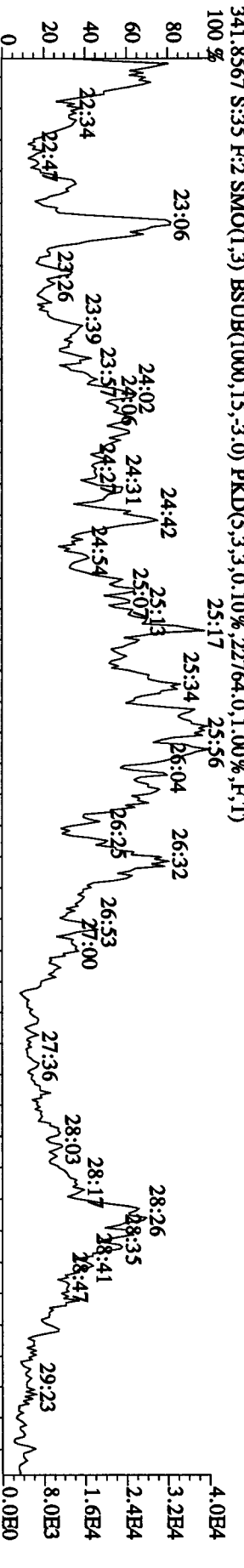
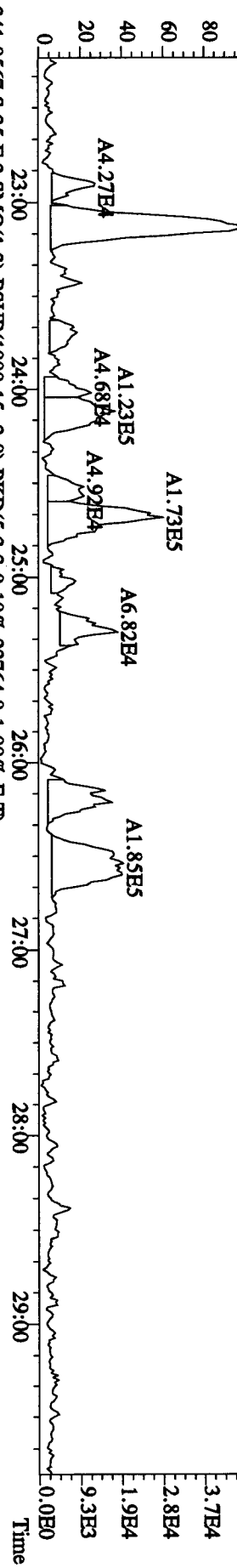


File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 22:03:24 GC EI + Voltage SIR Autospec-UltimaB
 Sample#35 Text: LX1XL-1-AC : GOD080425-47 Exp: DIOXINRES8290A
 319.8965 S:3.5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1424,0,1,00%,F,T)
 100 %

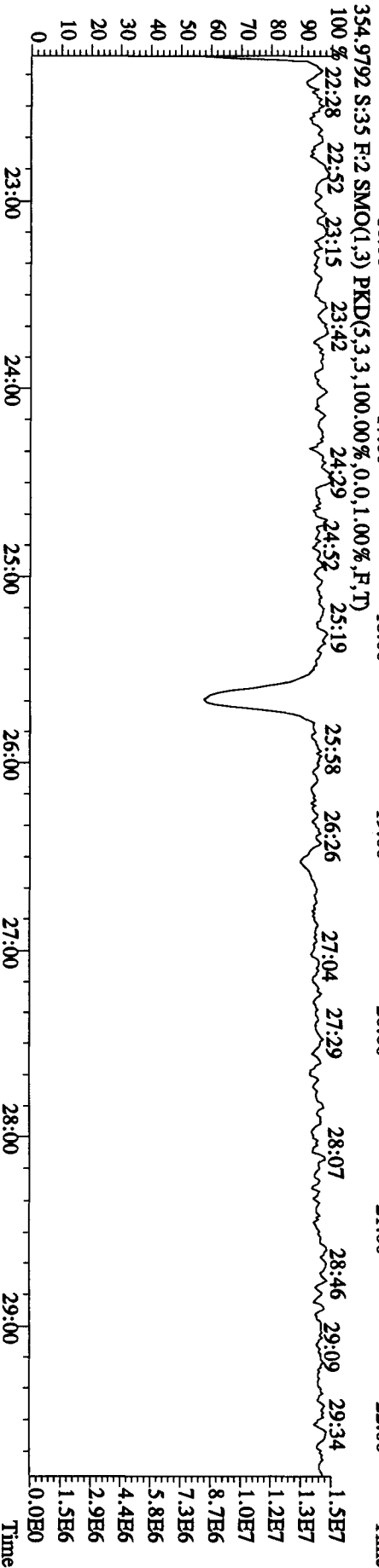
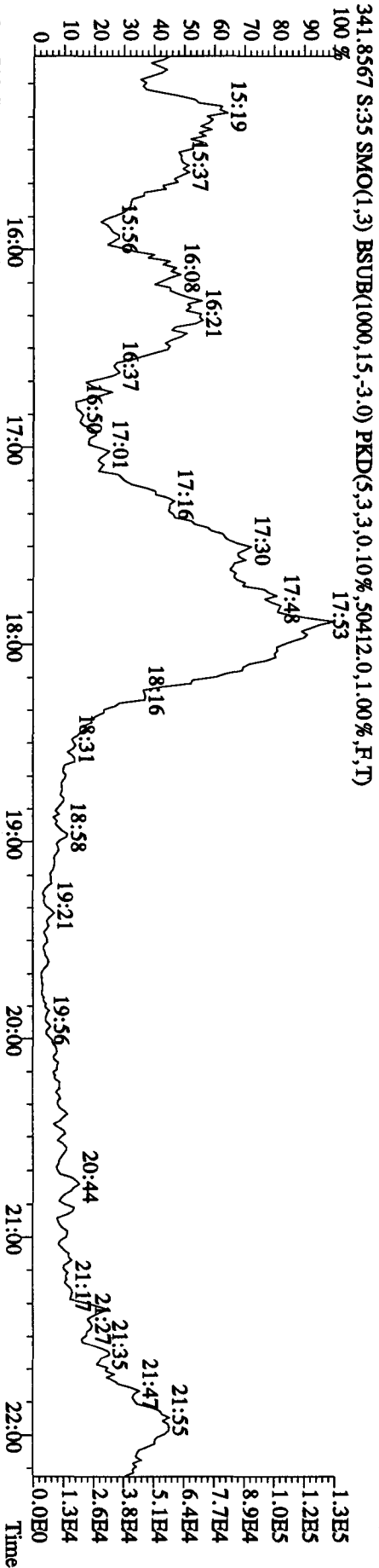
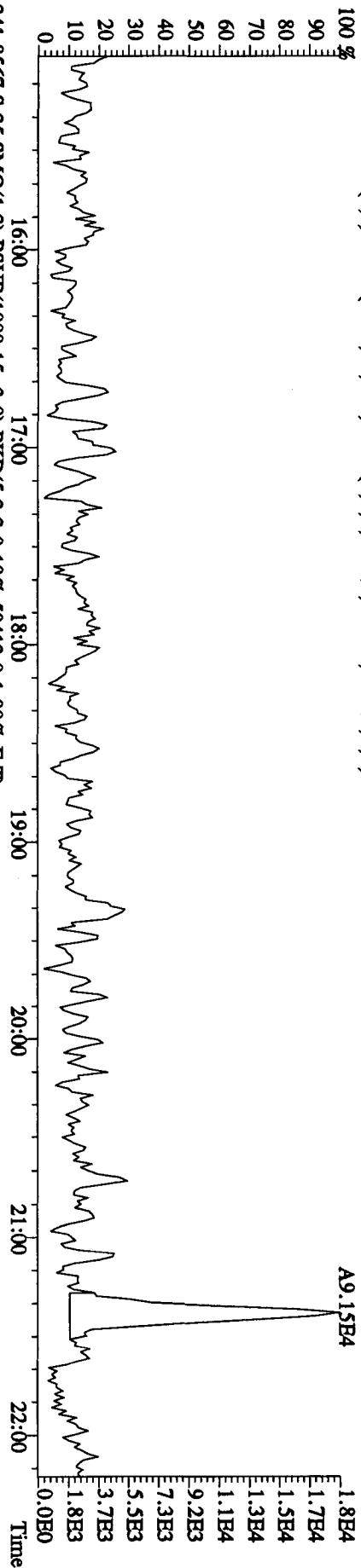


File:21AP10B4D5 #1-434 Acq:22-APR-2010 22:03:24 GC EI + Voltage SIR Autospec-Ultimate
 Sample#35 Text:LXIXL-1-AC :G0D080425-47 Exp:DIOXINRES8290A
 327.8847 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3056,0,1.00%,F,T)
 100 %

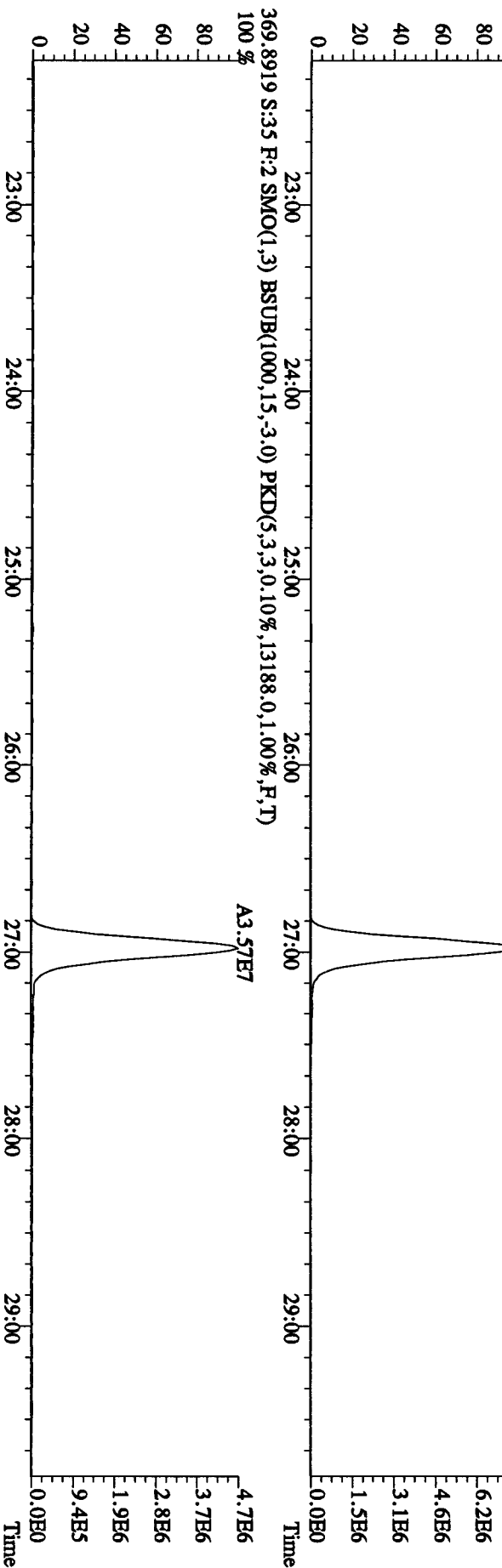
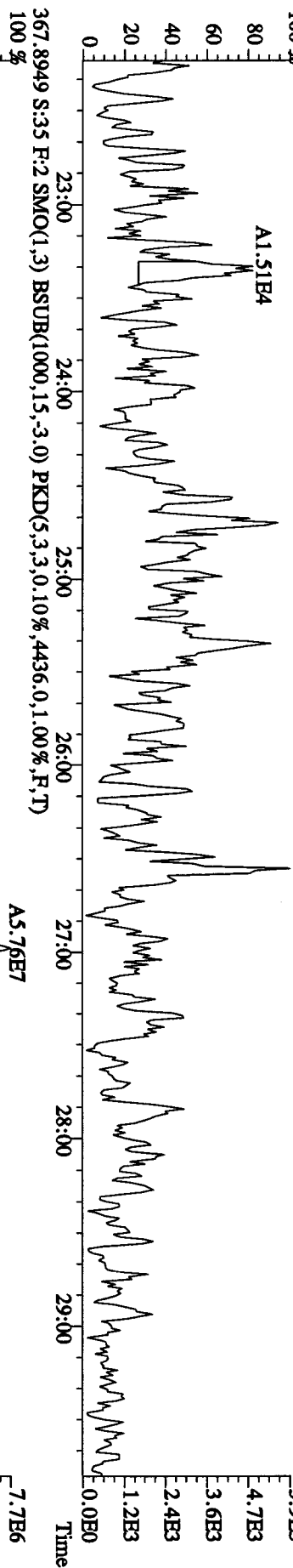
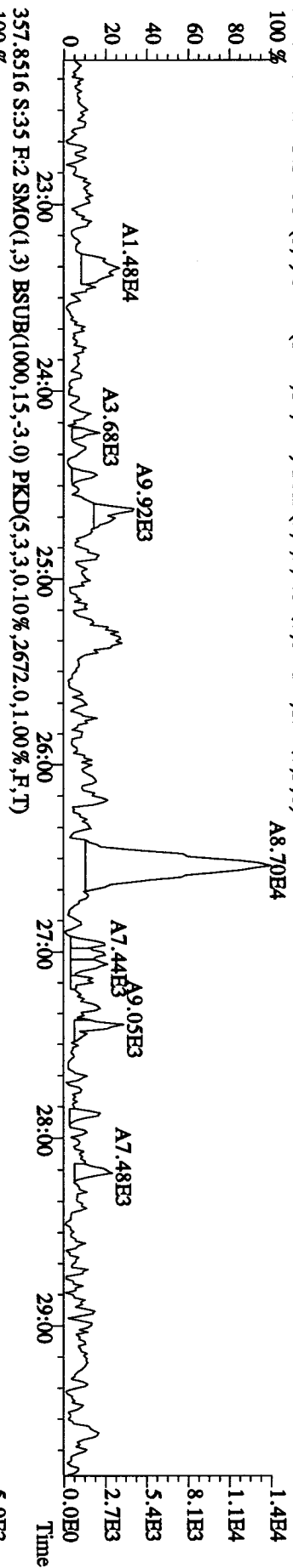




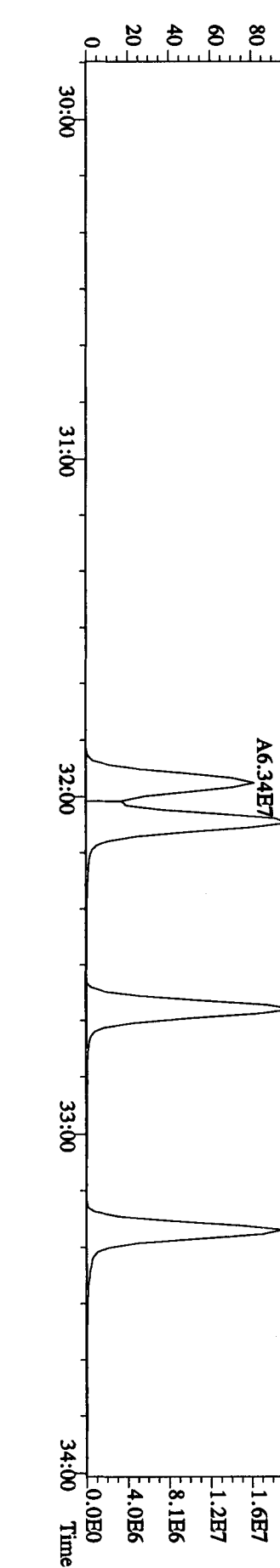
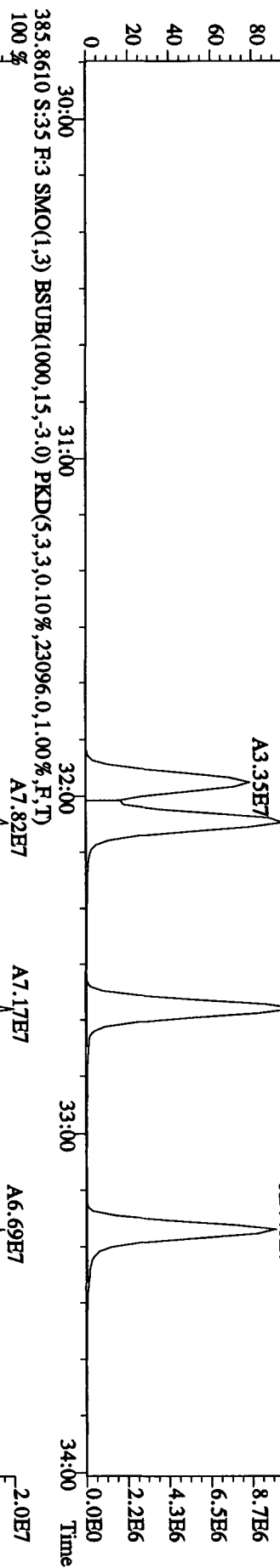
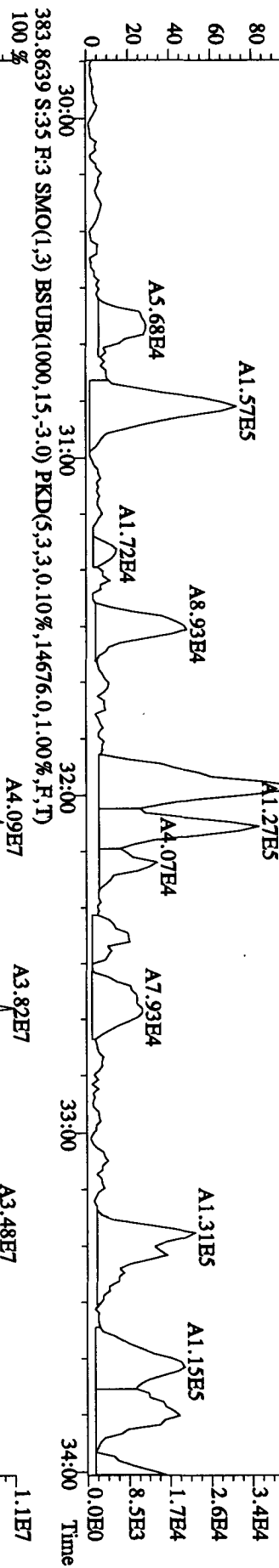
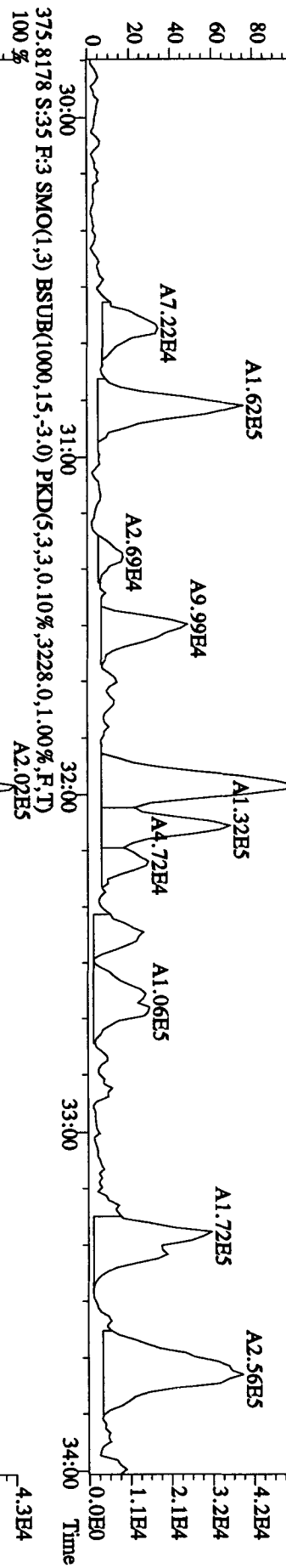
File:21AP10B4D5 #1-434 Acq:22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#35 Text:LX1XL-1-AC :G0D080425-47 Exp:DXINRES8290A
 339,8597 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2956,0,1.00%,F,T)



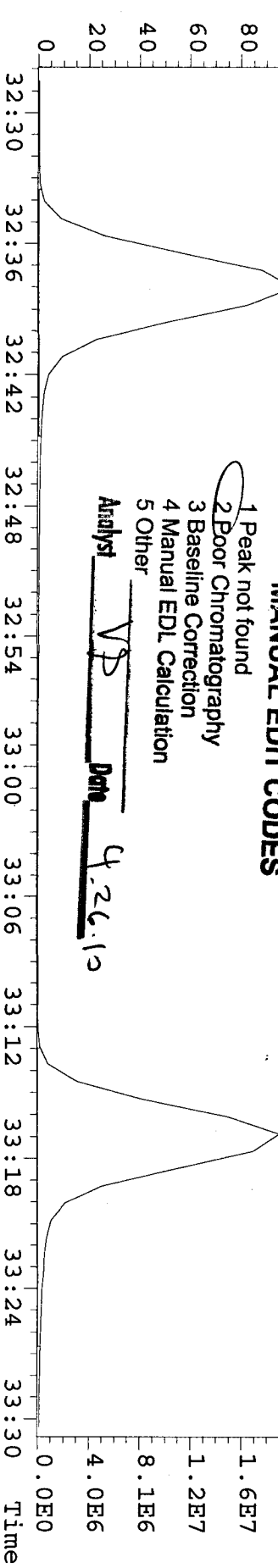
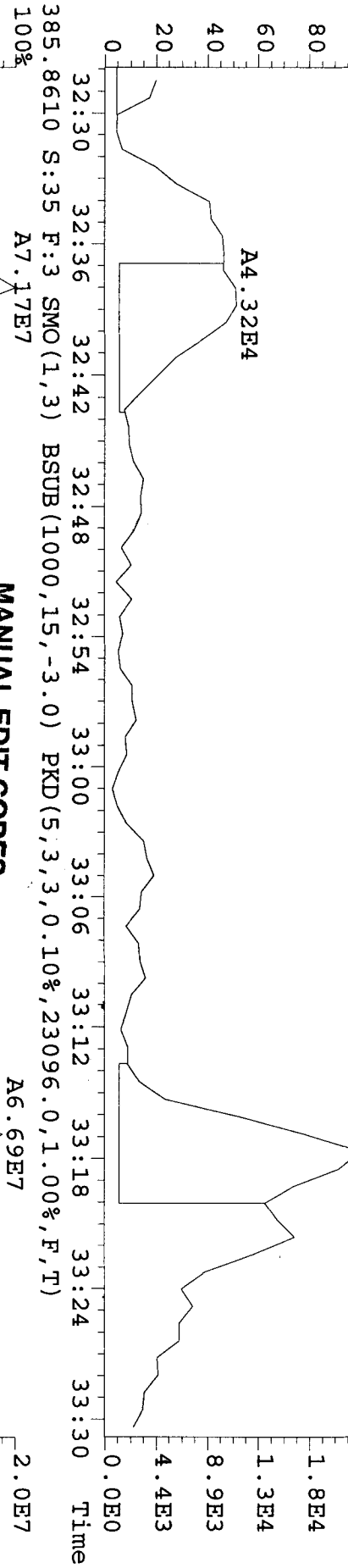
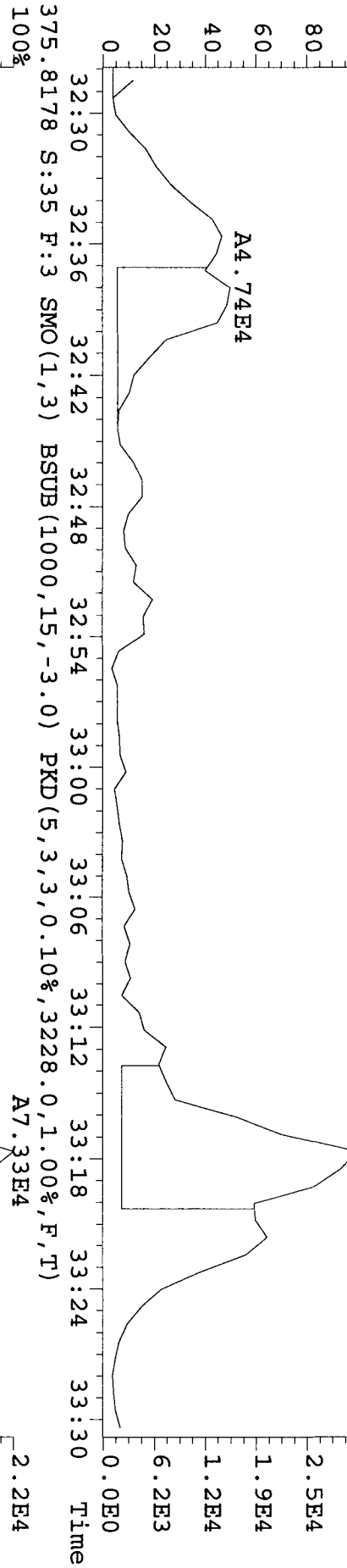
File:21AP10B4D5 #1-604 Acq:22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#35 Text:LX1XL-1-AC :G0D080425-47 Exp:DIOXINRES8290A
 355.8546 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1552.0,1.00%,F,T) 100%



File:21AP10B4D5 #1-317 Acq:22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#35 Text:LXIXL-1-AC :G0D080425-47 Exp:DIOXINRES8290A
 373.8208 S:35 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4604.0,1.00%,F,T) A2.39E5
 100 %

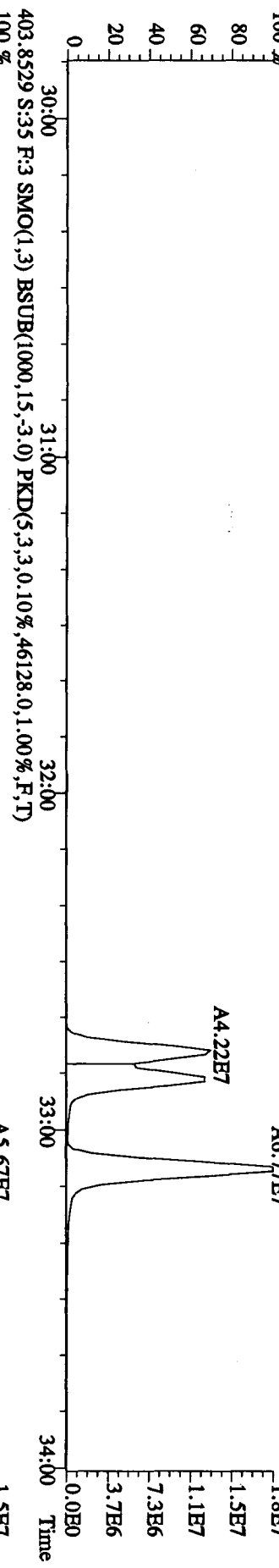
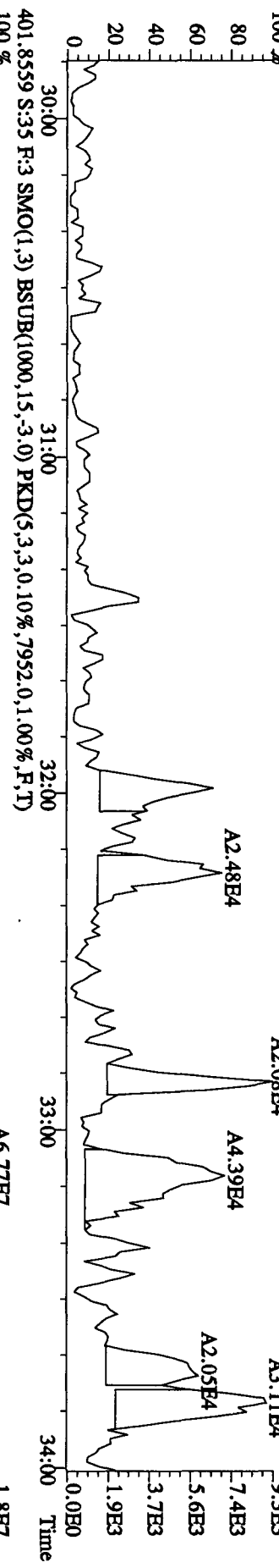
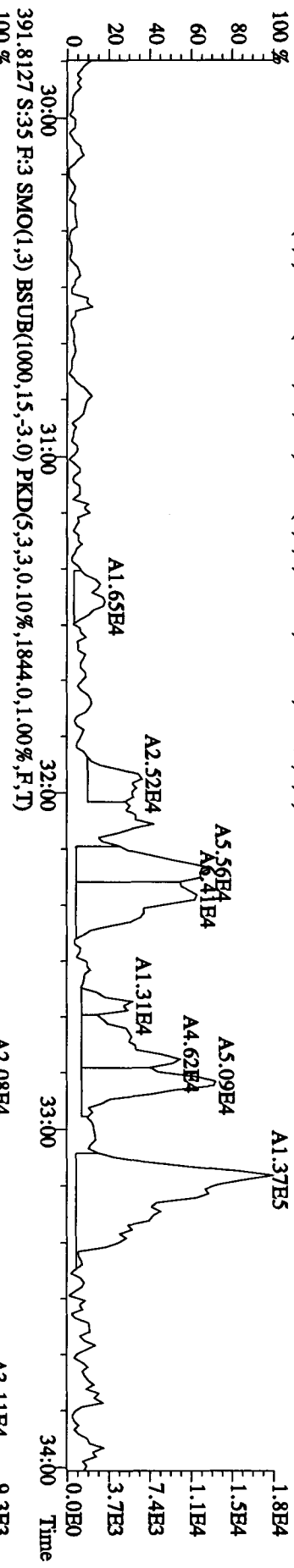


File: 21API0B4D5 #1-317 Acq: 22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#35 Text: LX1XL-1-AC : GOD080425-47 Exp: DIOXINRES8290A
 373.8208 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4604.0,1.00%,F,T)
 100%

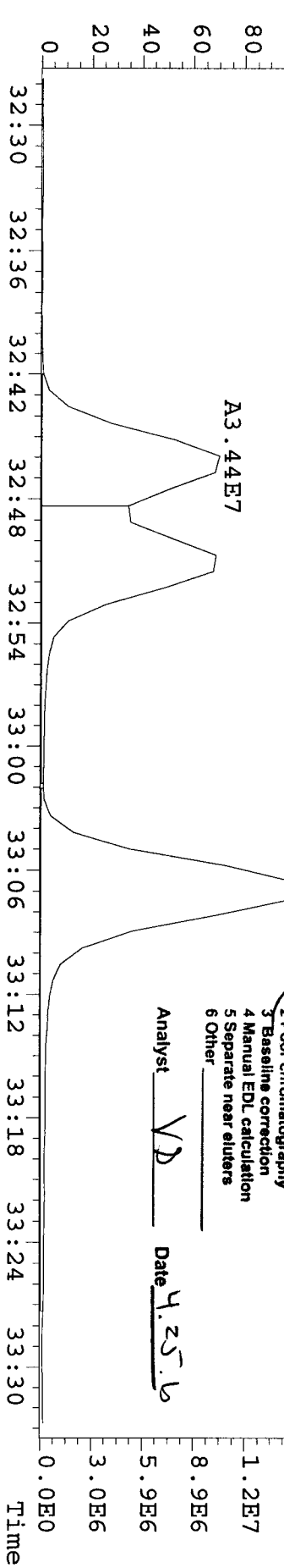
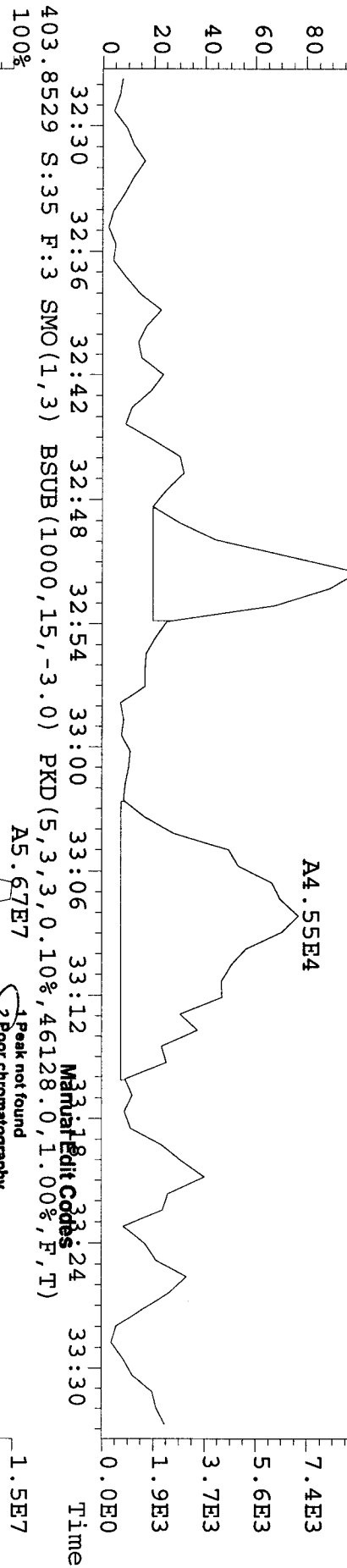
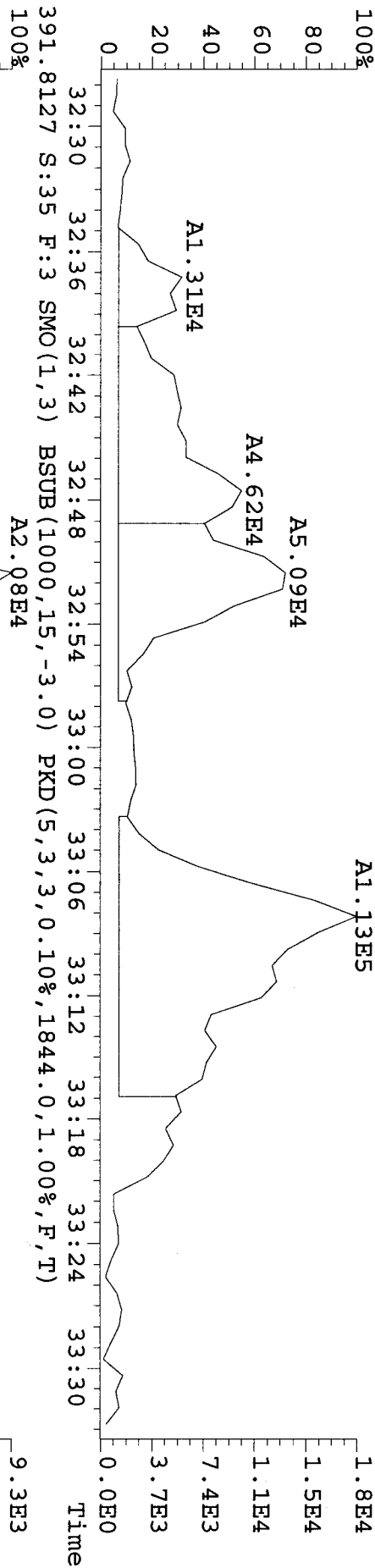


MANUAL EDIT CODES
 1 Peak not found
 2 Poor Chromatography
 3 Baseline Correction
 4 Manual EDL Calculation
 5 Other
 Analyst VP Date 4.26.10

File:21AP10B4D5 #1-317 Acq:22-APR-2010 22:03:24 GC EI + Voltage S1R Autospec-UltimaB
 Sample#35 Text:LX1XL-1-AC :G0D080425-47 Exp:DIOXINRES8290A
 389.8157 S:35 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1796.0,1.00%,F,T)



File: 21API0B4D5 #1-317 Acq: 22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#35 Text: LX1XL-1-AC : GOD080425-47 Exp: DIOXINRES8290A
 389.8157 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1796.0,1.00%,F,T)

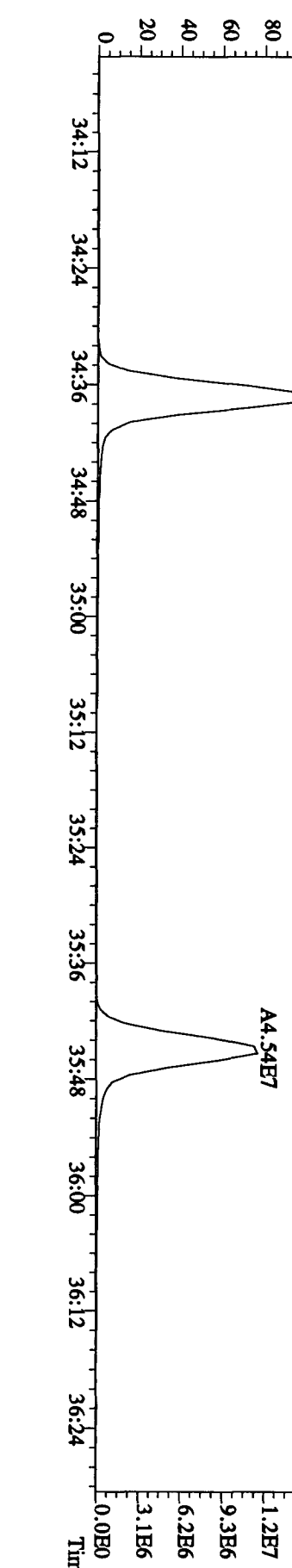
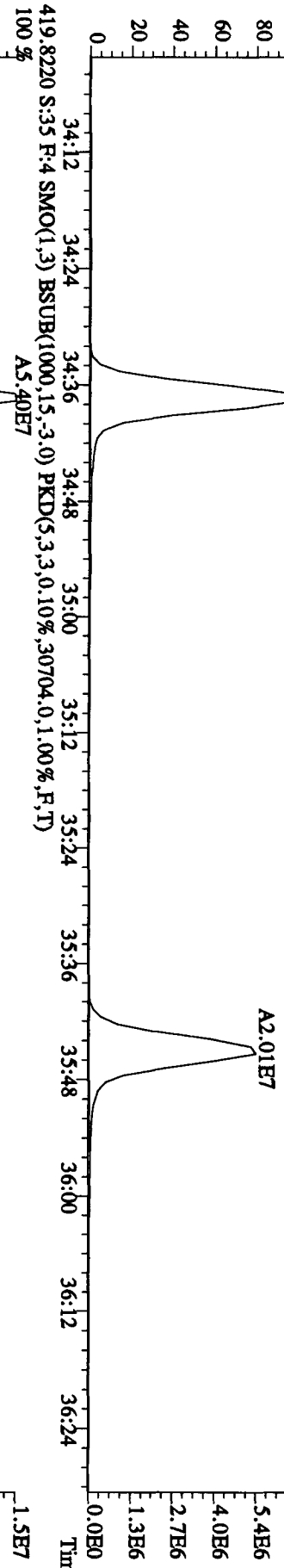
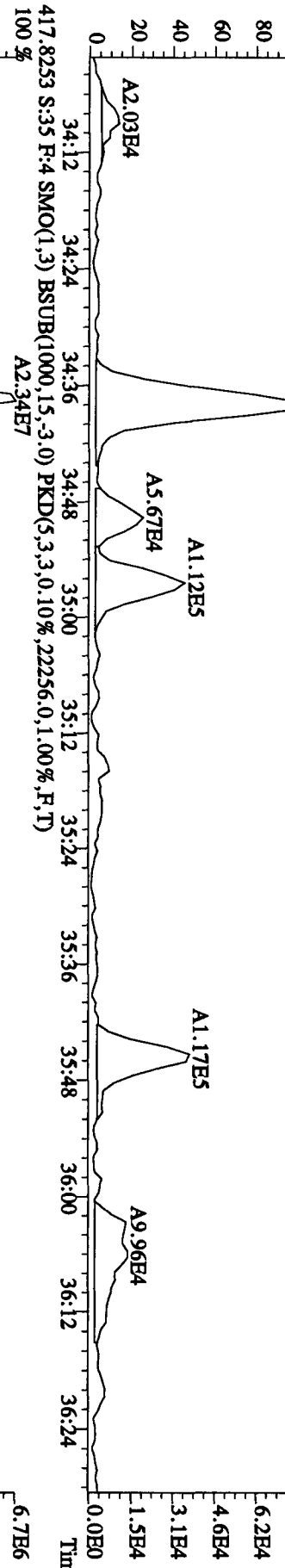
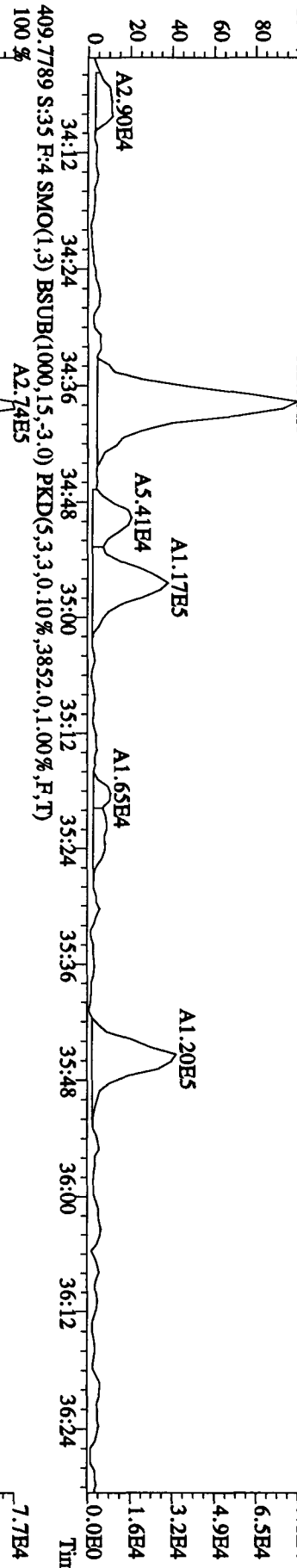


1 Peak not found
 2 Poor chromatography
 3 Baseline correction
 4 Manual EDL calculation
 5 Separate near eluters
 6 Other

Analyst VD Date 4.25.6

Manual Edit Codes
 33:18 33:24

File:21AP10B4D5 #1-198 Acq:22-APR-2010 22:03:24 GC EI + Voltage SIR Autospec-Ultimate
 Sample#35 Text:LXIXL-1-AC :GOD080425-47 Exp:DIOXINRES8290A
 407.7818 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3.608,0.1,0.0%,F,T)

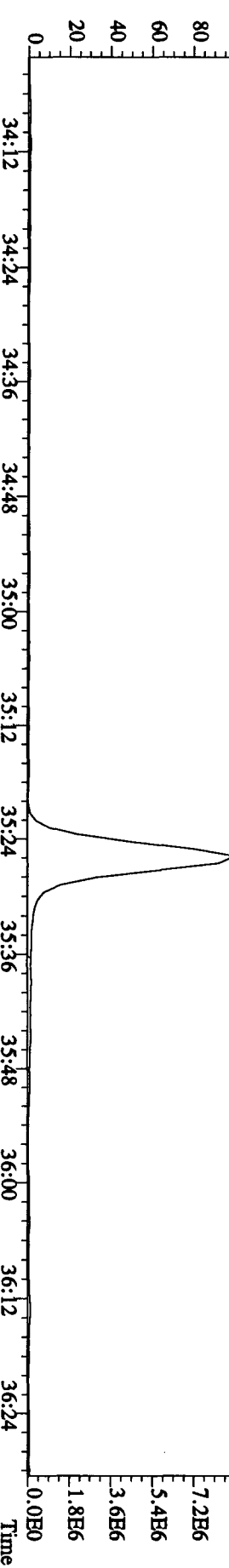
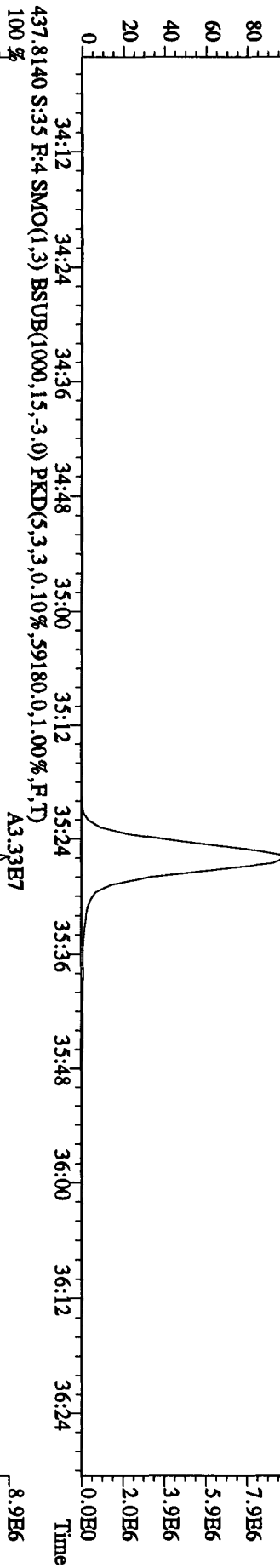
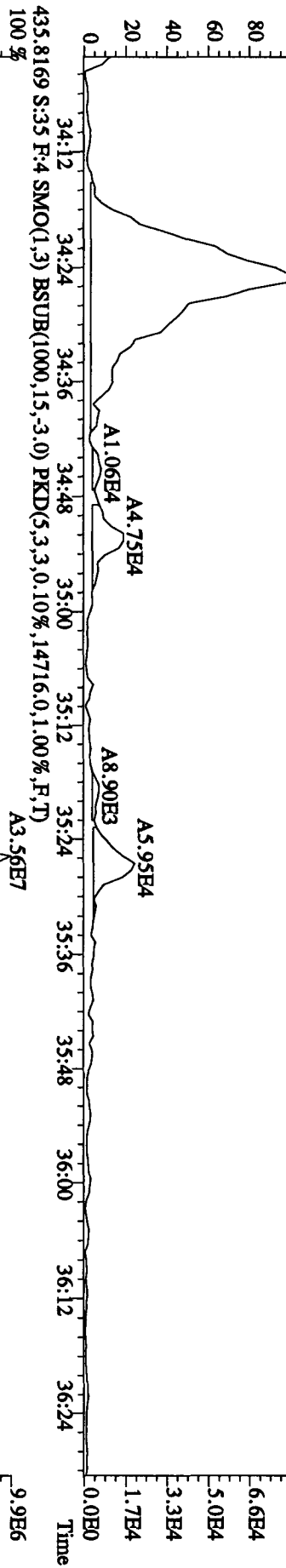
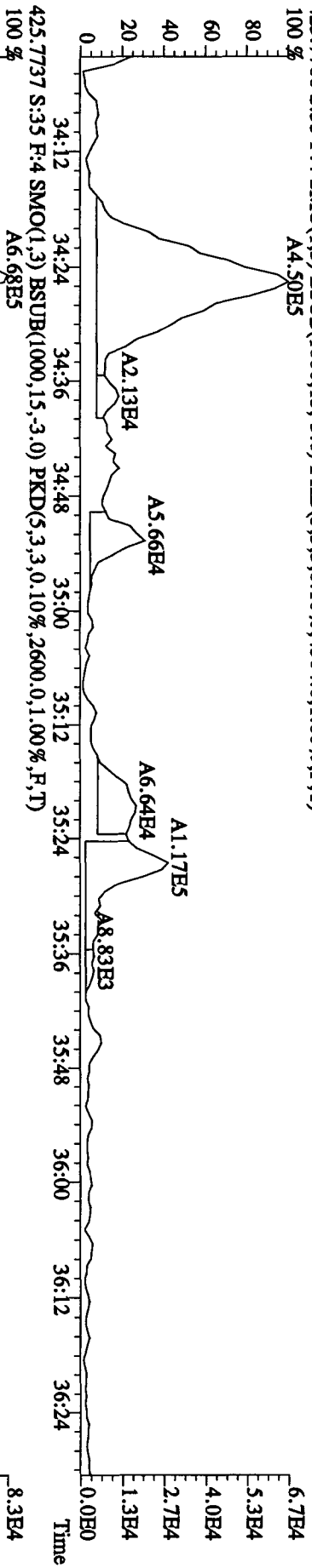


File:21AP10B4D5 #1-198 Acq:22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-UltimaE

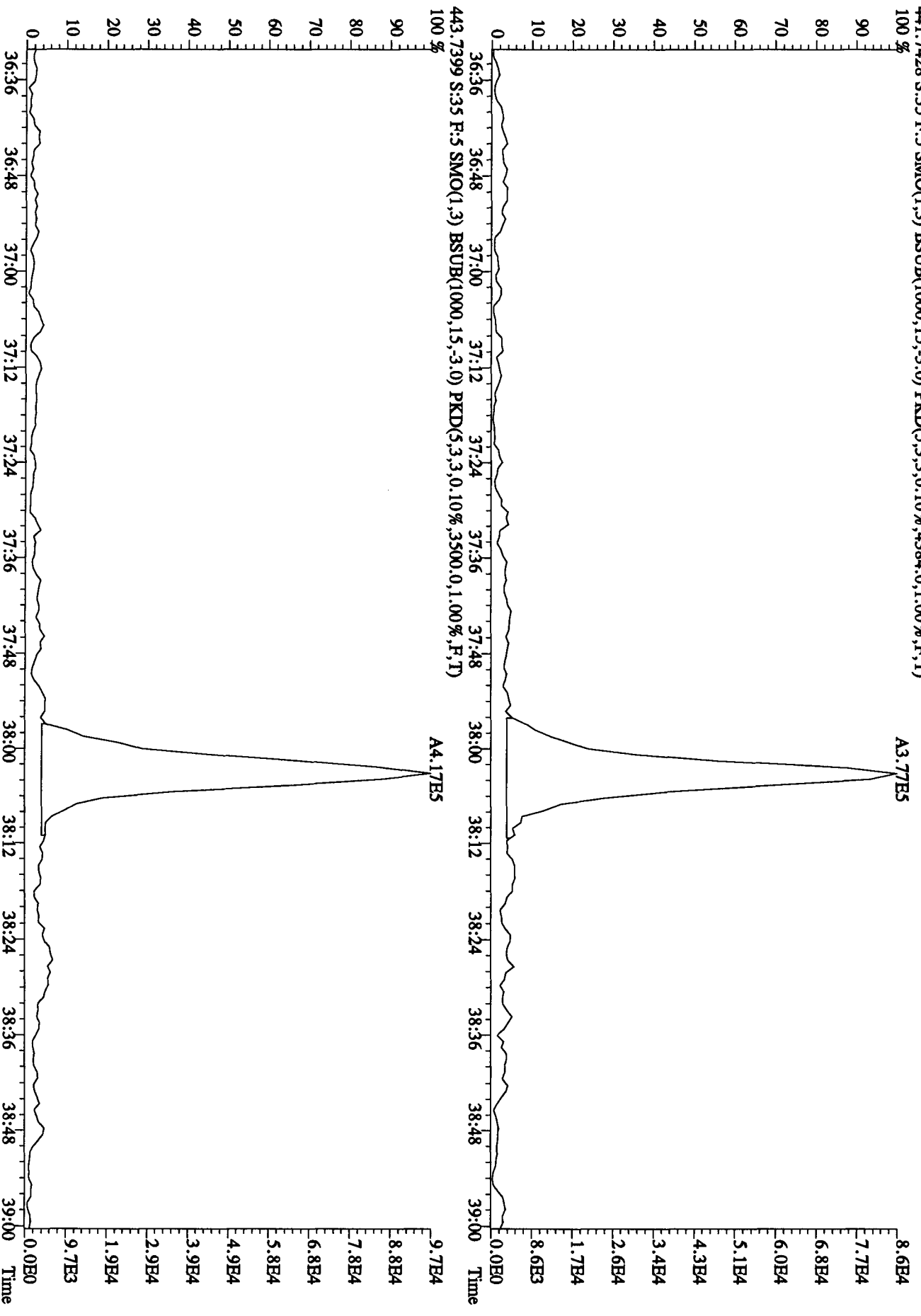
Sample#35 Text:LX1XL-1-AC :G0D080425-47 Exp:DIOXINRES8290A

423.7766 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)

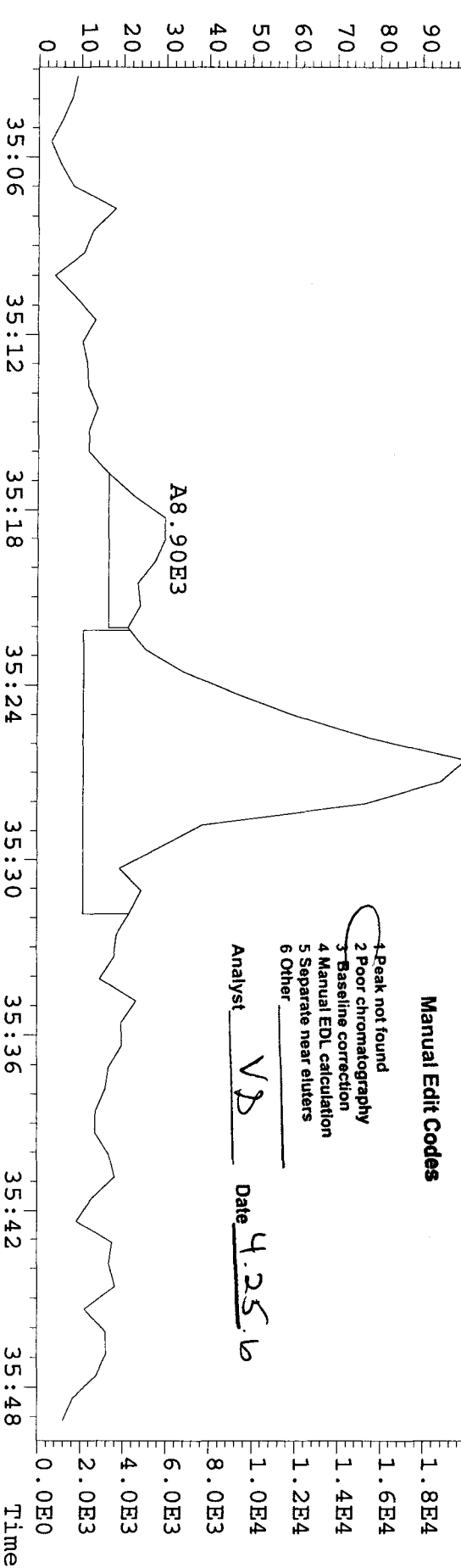
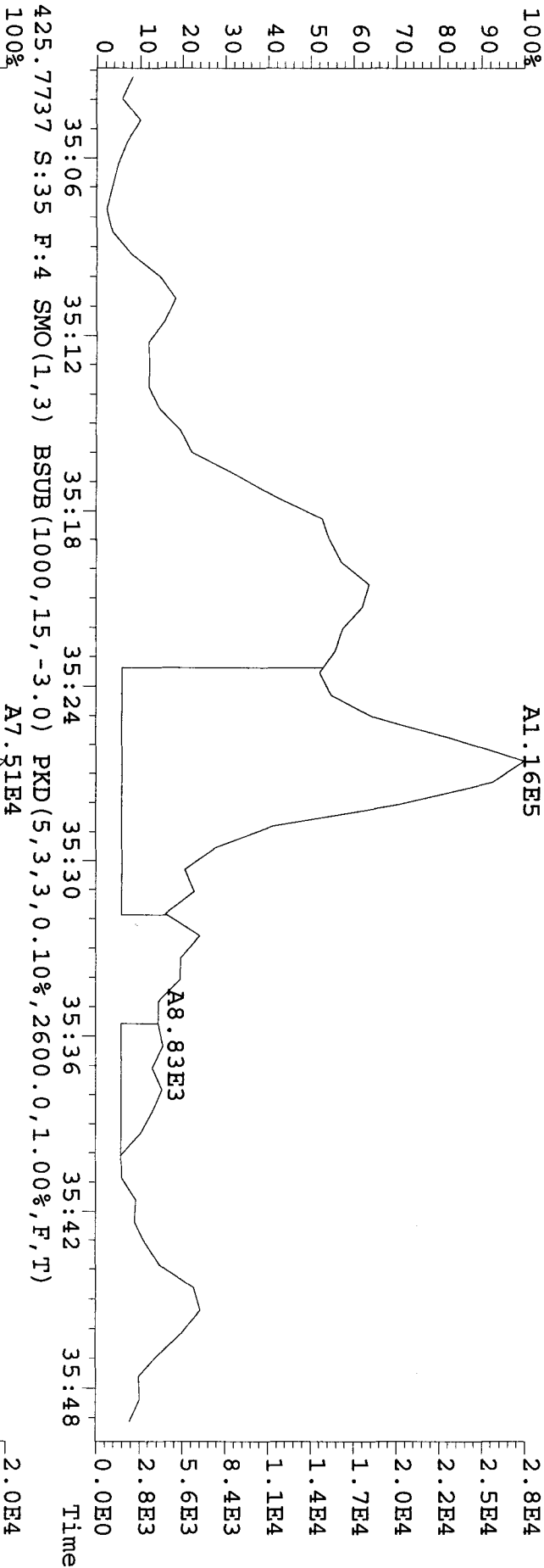
100% A4.50E5



File:21AP10B4D5 #1-190 Acq:22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#35 Text:LX1XL-1-AC :G0D080425-47 Exp:DIOXINRES8290A
 441.7428 S:35 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4384.0,1.00%,F,T)
 100 %



File: 21API0B4D5 #1-198 Acq: 22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#35 Text: LX1XL-1-AC : GDD080425-47 Exp: DIOXINRES8290A
 423.7766 S: 35 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)

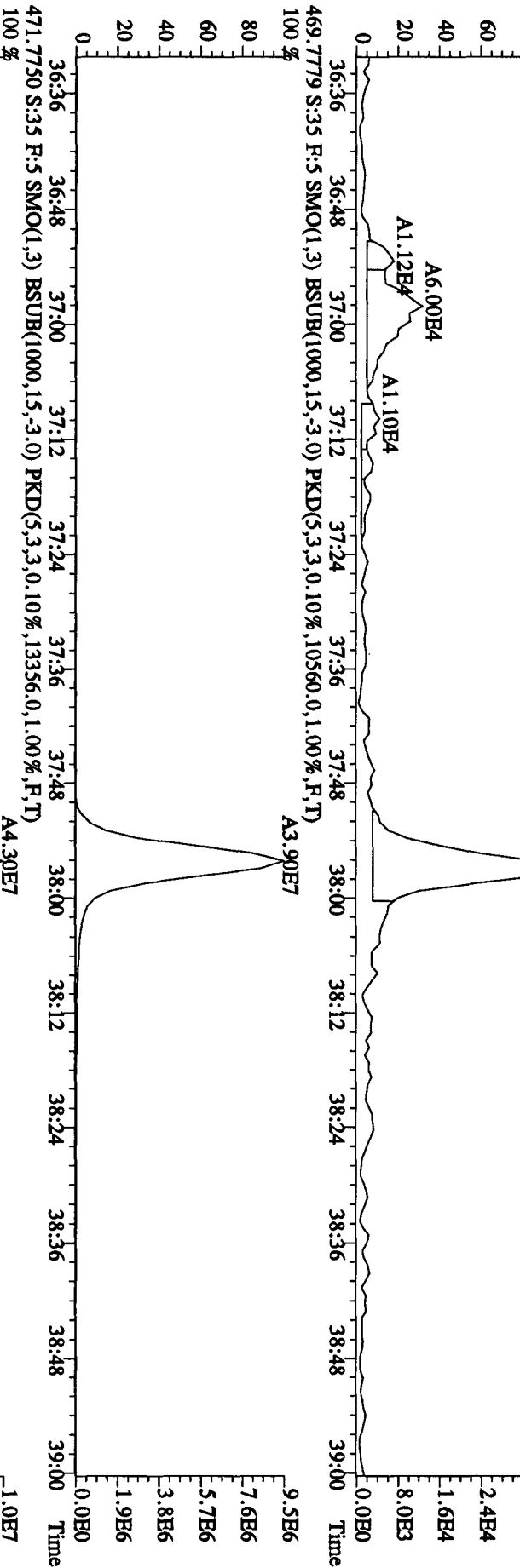
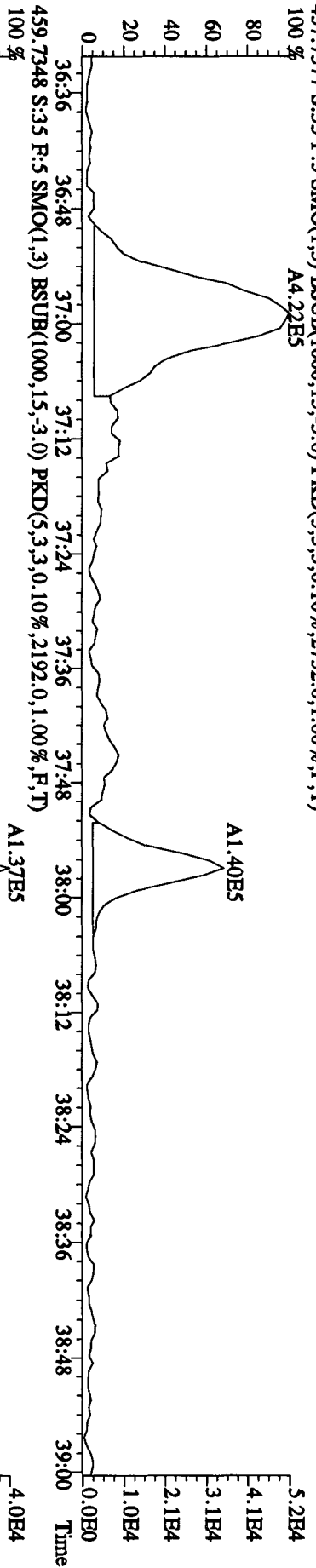


Manual Edit Codes

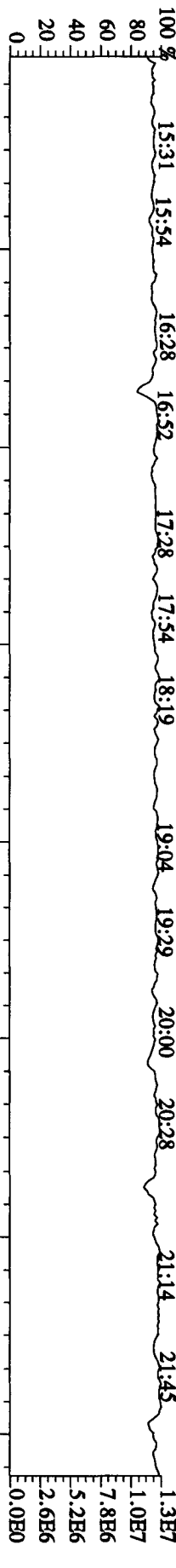
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VB Date 4.25.10

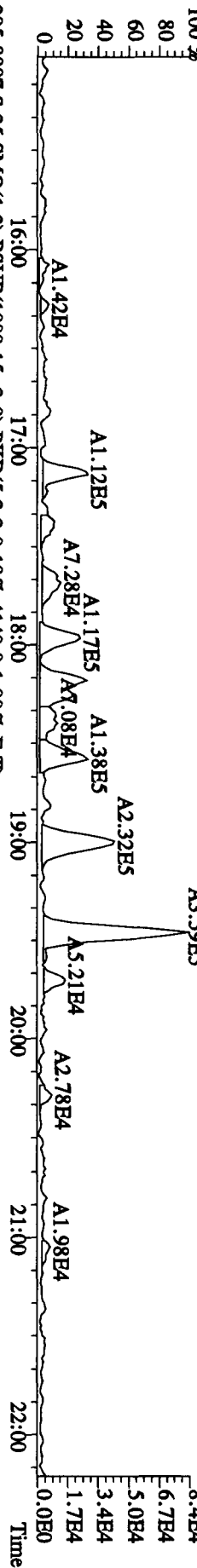
File:21ADP10B4D5 #1-190 Acq:22-APR-2010 22:03:24 GC EI + Voltage SIR Autospec-Ultimate
 Sample#35 Text:LX1XL-1-AC :GDD080425-47 Exp:DIOXINRES8290A
 457.7377 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T) 100 %



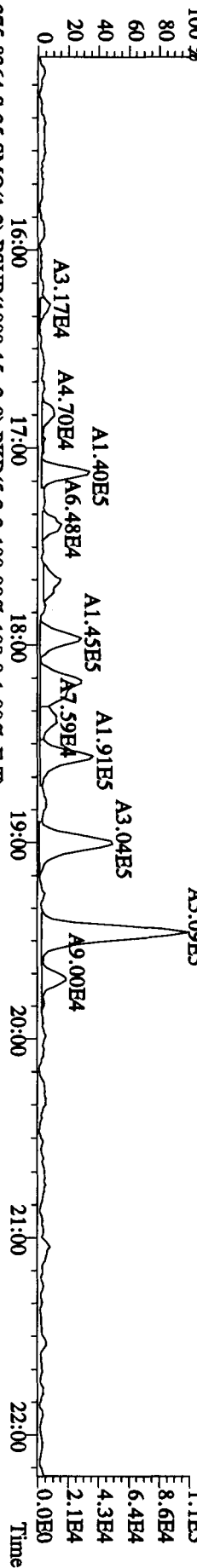
354.9792 S:35 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



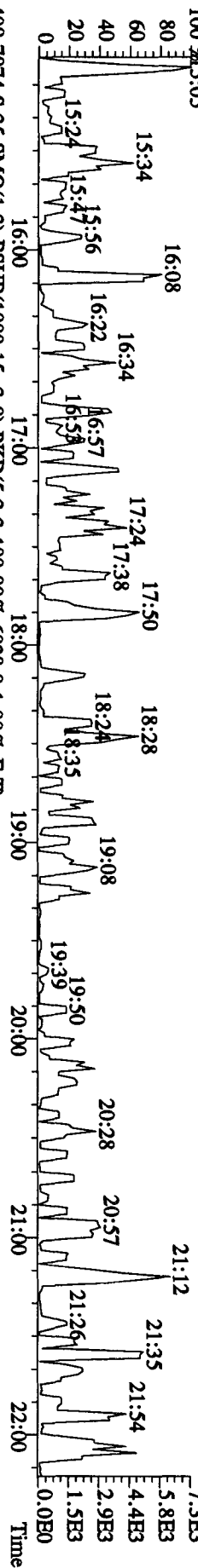
303.9016 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3792.0,1.00%,F,T)



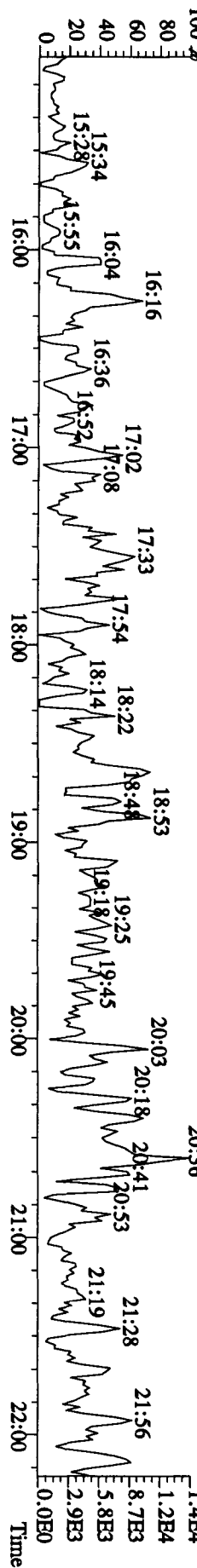
305.8987 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4140.0,1.00%,F,T)



375.8364 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)

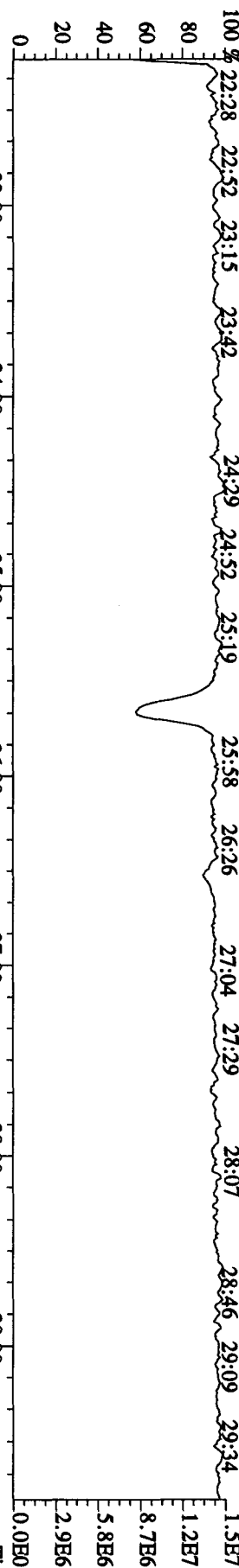


409.7974 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,6028.0,1.00%,F,T)

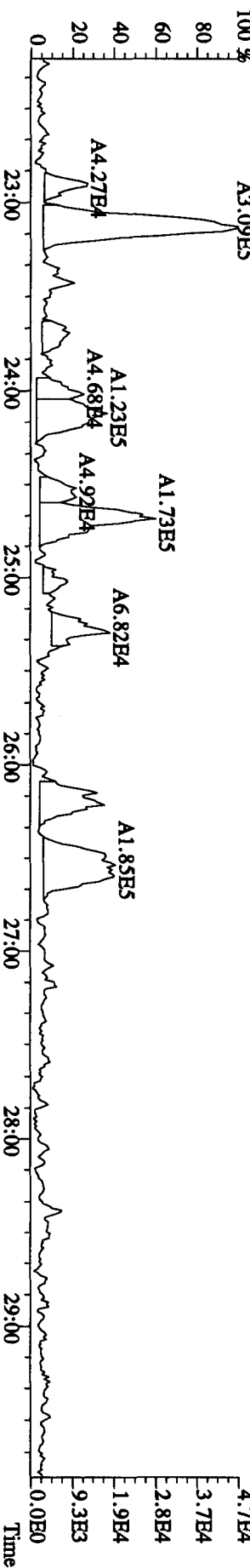


File:21AP10B4D5 #1-604 Acq:22-APR-2010 22:03:24 GC EI + Voltage SIR Autospec-Ultimate
 Sample#35 Text:LXIXL-1-AC :G0D080425-47 Exp:DIOXINRES8290A

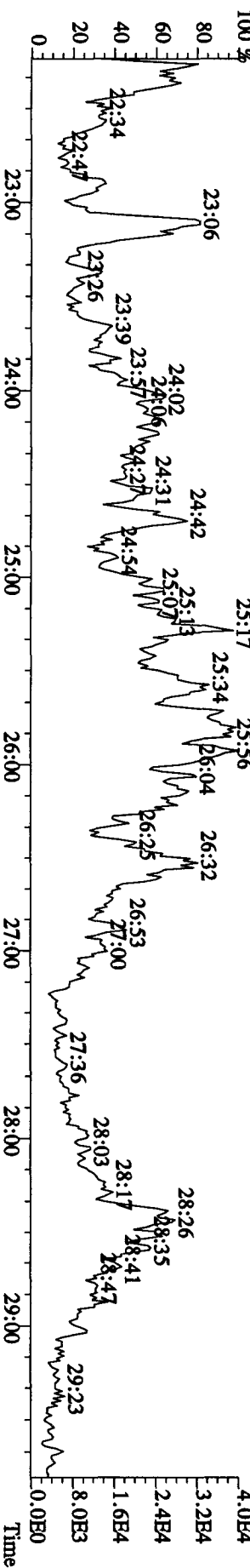
354.9792 S:35 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



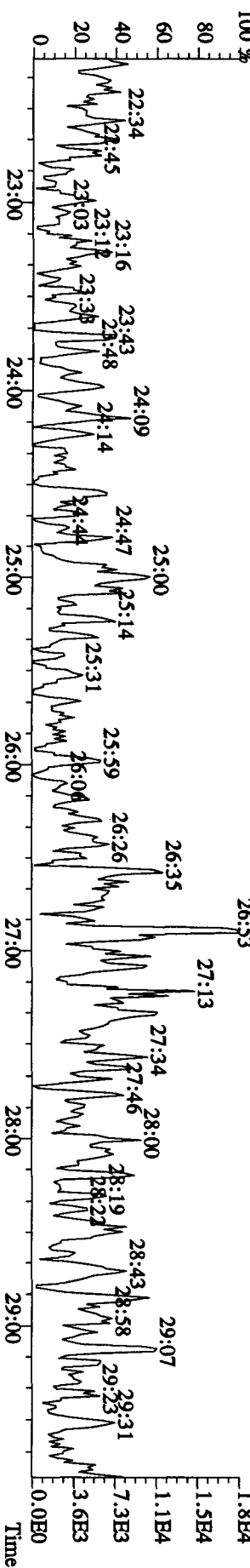
339.8597 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3444.0,1.00%,F,T)



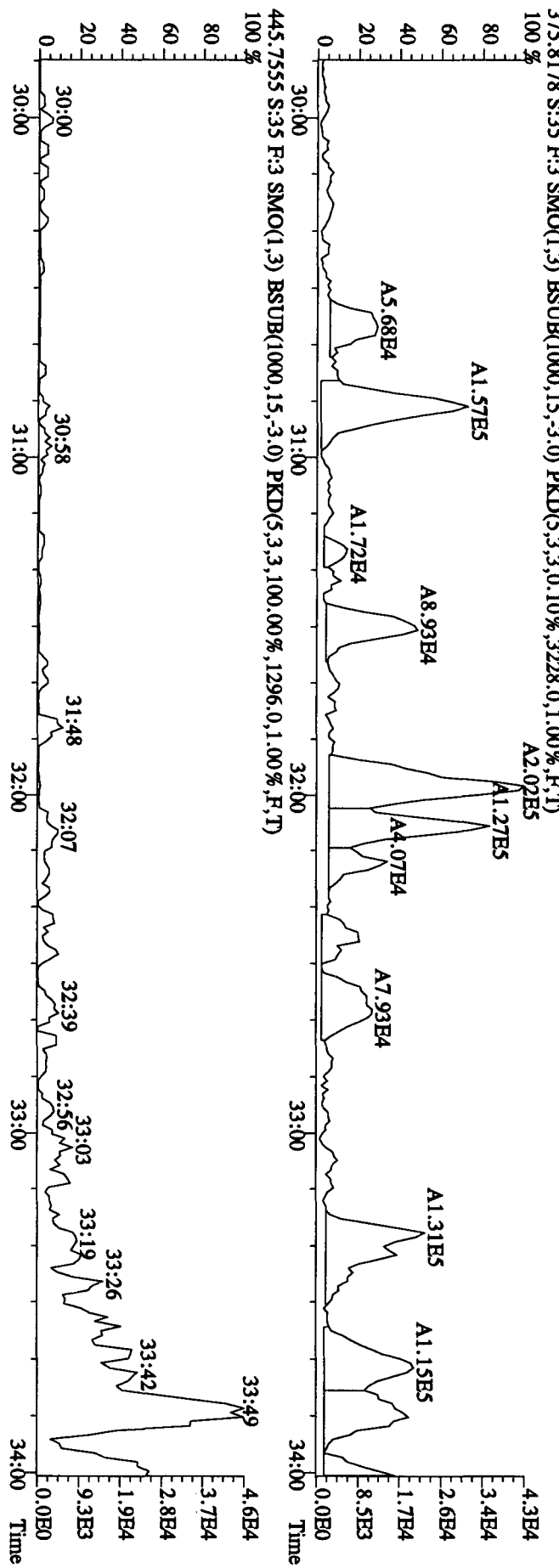
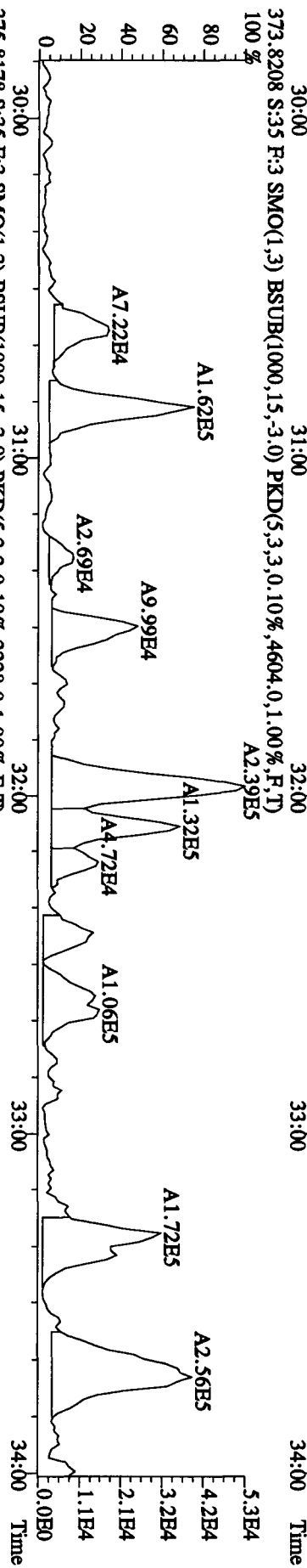
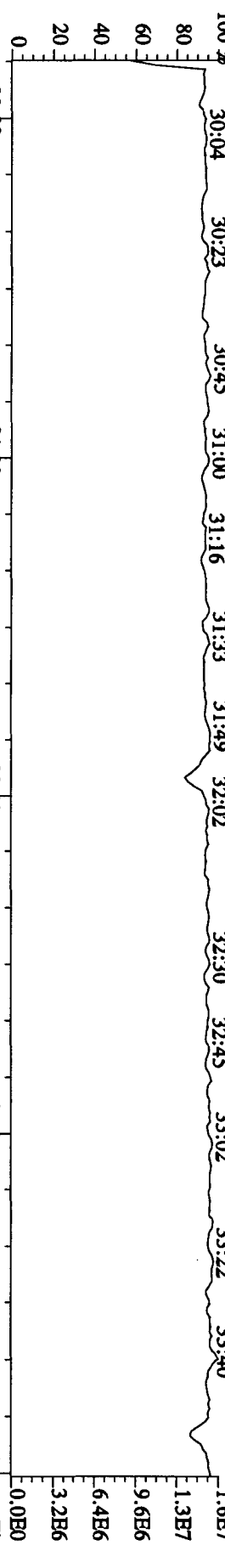
341.8567 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22764.0,1.00%,F,T)

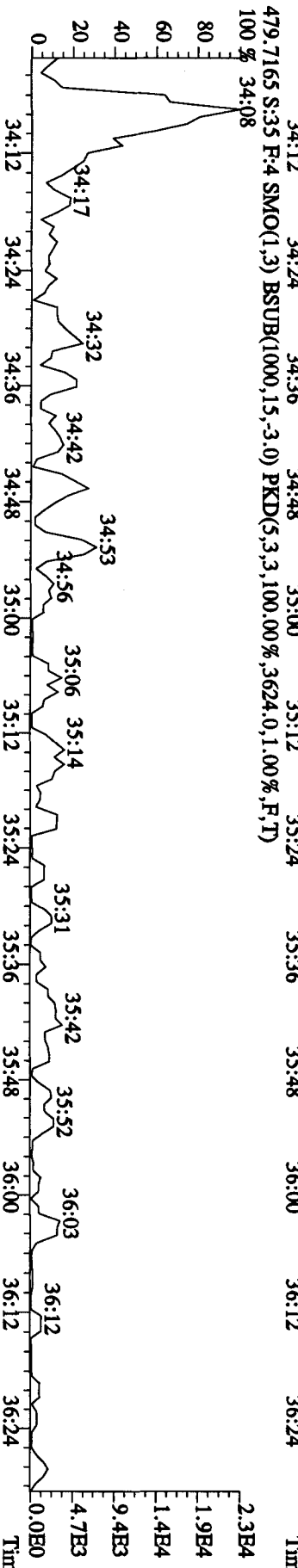
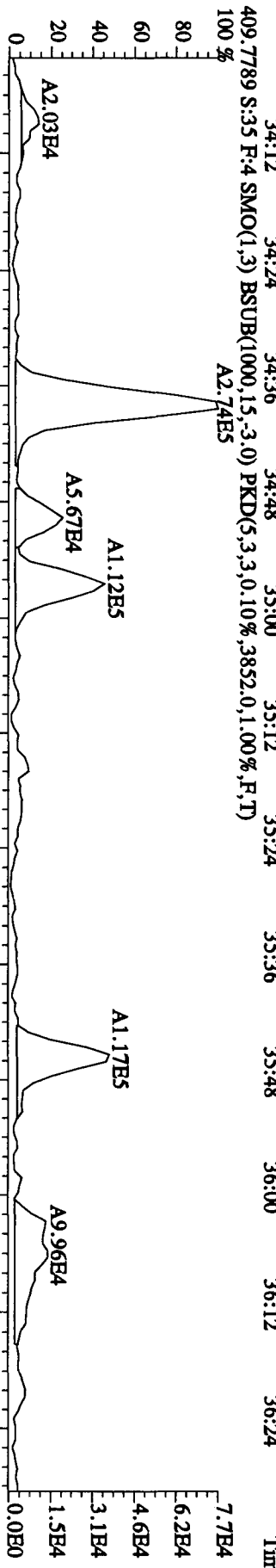
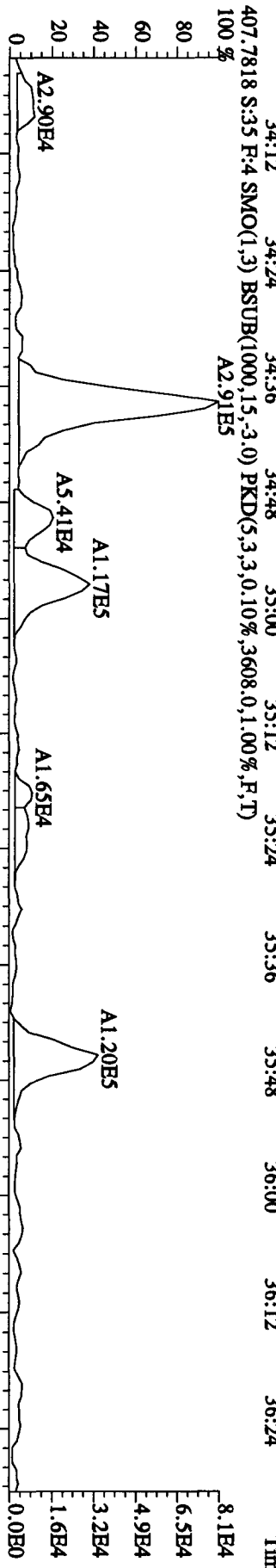
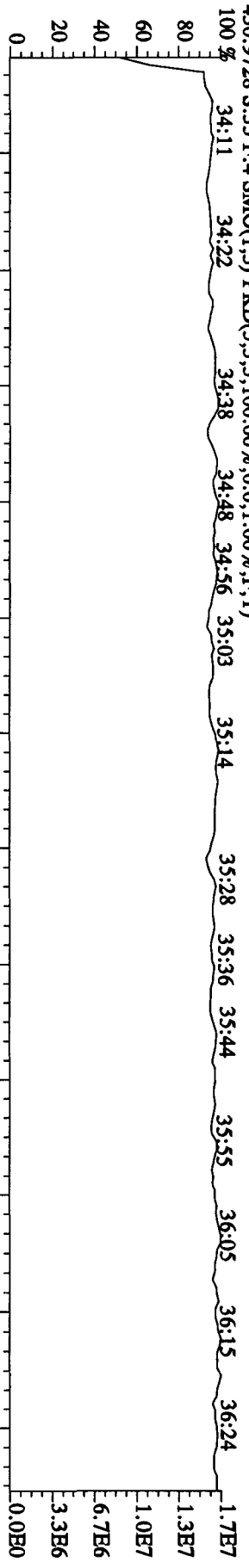


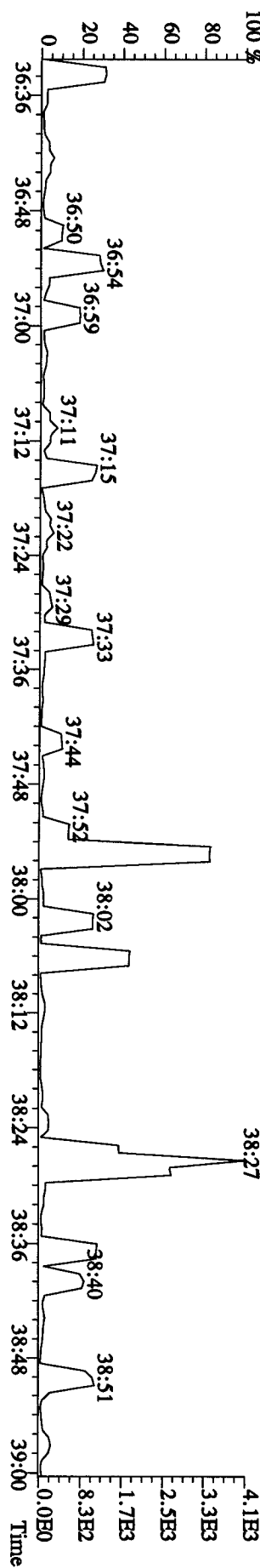
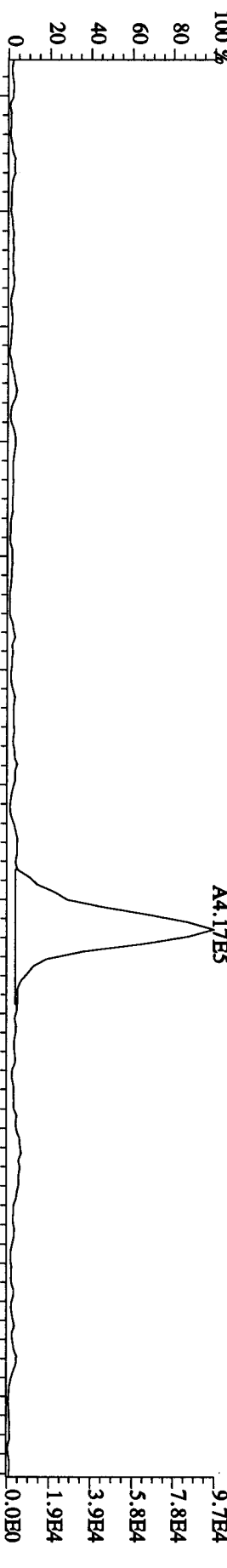
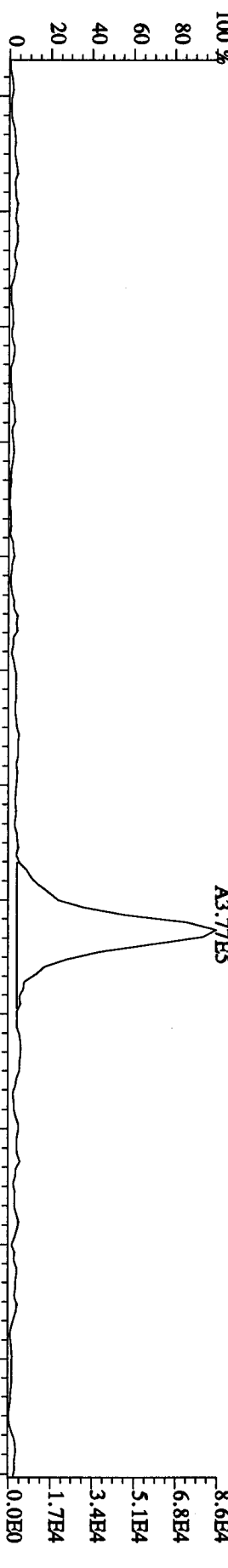
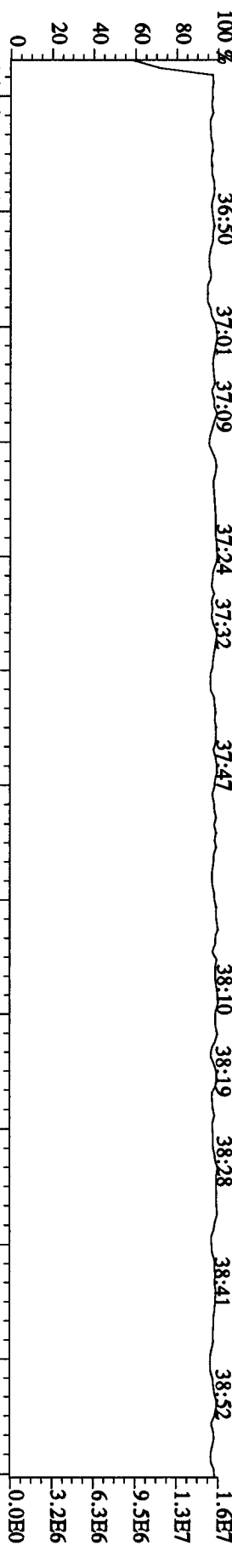
409.7974 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7056.0,1.00%,F,T)



File:21AP10B4D5 #1-317 Acq:22-APR-2010 22:03:24 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#35 Text:LX1XL-1-AC :G0DD080425-47 Exp:DI0XINRES8290A
 430.9728 S:35 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 30:04 30:23 30:45 31:00 31:16 31:33 31:49 32:02 32:30 32:45 33:02 33:22 33:40








Dataset: C:\MassLynx\JAN2010.PRO\I22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time
 Printed: Sunday, April 25, 2010 10:37:53 Pacific Daylight Time

VB 4.26.6


Method: C:\MassLynx\JAN2010.PRO\MethodB182903D50CDD25.mdb 25 Apr 2010 10:22:06
 Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA030420103D58290CDD25.cdb 31 Mar 2010 15:00:28

Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1K4-1-AC, Description: G0D080425-48, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs. Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	10.340	26.00	26.00	1.000		2067034.06	193.4236	193.4236	100.0	0.1424	0.845	0.770	NO	
2																
3	13C-2,3,7,8-TCDF	315.9419	10.340	25.39	25.36	1.292		2754431.88	199.4678	199.4678	103.1	0.0756	0.792	0.770	NO	
4	2,3,7,8-TCDF	303.9016	10.340	25.42	25.41	0.983		19459.70	1.3899	1.3899	103.1 <i>103.1</i>	0.0326	0.705	0.770	NO	
5	Total TCDFs	303.9016	10.340		21.44	0.983			5.8918	5.8918		0.0326				
6																
7	13C-2,3,7,8-TCDD	331.9368	10.340	26.24	26.27	0.897		1649676.31	172.0788	172.0788	89.0	0.1588	0.811	0.770	NO	
8	2,3,7,8-TCDD	319.8965	10.340	26.26	26.27	1.051		632.70	0.0706	0.0706		0.0230	0.105	0.770	YES	
9	Total TCDDs	319.8965	10.340		19.55	1.051			0.7992	0.5992		0.0230				
10																
11	37CL-2,3,7,8-TCDD	327.8847	10.340	26.27	26.27	1.067		830661.13	72.8459	0.0000	94.2	0.0500				
12																
13	13C-1,2,3,7,8-PeCDF	351.9000	10.340	31.23	31.23	1.011		2118849.25	196.0911	196.0911	101.4	0.2639	1.559	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.340	31.24	31.25	1.018		10396.08	0.9326	0.9326	5 <i>5</i>	0.0490	1.381	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	10.340	32.81	32.80	1.014		4833.20	0.4350	0.4350	5 <i>5</i>	0.0492	1.689	1.550	NO	
16	Total F2 PeCDFs	339.8597	10.340		34.47	1.016			3.3694	2.9694		0.0491				
17	Total F1 PeCDFs	339.8597	10.340		36.56	1.016			0.6172	0.5790		0.0227				
18																
19	13C-1,2,3,7,8-PeCDD	367.8949	10.340	33.62	33.59	0.668		1426510.56	199.7652	199.7652	103.3	0.1691	1.603	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.340	33.66	33.65	0.996		555.38	0.0756	0.0756	5 <i>5</i>	0.0435	1.744	1.550	NO	
21	Total PeCDDs	355.8546	10.340		31.10	0.996			0.6102	0.4295		0.0435				
22																
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.340	41.55	41.54	1.000		1712101.75	193.4236	193.4236	100.0	0.2500	1.338	1.240	NO	
24																
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.340	40.05	40.03	0.888		1392678.09	177.1459	177.1459	91.6	0.4139	0.512	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.340	40.06	40.07	1.242		13190.25	1.4755	1.4755	5 <i>5</i>	0.0574	1.147	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	10.340	40.22	40.23	1.427		8111.05	0.7895	0.7895	5 <i>5</i>	0.0500	1.304	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	10.340	40.97	40.98	1.288		2318.25	0.2500	0.2500	5 <i>5</i>	0.0554	1.058	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.340	41.75	41.75	1.216		1423.28	0.1625	0.1503	5 <i>5</i>	0.0586	1.049	1.240	YES	
30	Total HxCDFs	373.8208	10.340		0.00	1.293			5.3023	5.1507		0.0551				
31																

Dataset: C:\MassLynx\JAN2010\PROV22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:37:53 Pacific Daylight Time

Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48, Task:

# Name	Trace	Sample Size	RT	Prd. RT	RRF	M...	Abs. Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd. Ratio	Ratio	Mod Date
32 13C-1,2,3,6,7,8-HxCDD	401.8559	10.340	41.23	41.23	0.811		1328864.94	185.0498	185.0498	95.7	0.3082	1.307	1.240	NO	
33 1,2,3,4,7,8-HxCDD	389.8157	10.340	41.15	41.14	0.883		299.17	0.0493	0.0996		0.0452	0.605	1.240	YES	
34 1,2,3,6,7,8-HxCDD	389.8157	10.340	41.26	41.24	1.084		1098.96	0.1475	0.1333	50	0.0368	1.479	1.240	YES	
35 1,2,3,7,8,9-HxCDD	389.8157	10.340	41.56	41.56	1.184		1007.40	0.1238	0.1044	50	0.0337	1.658	1.240	YES	
36 Total HxCDDs	389.8157	10.340			1.050			0.6521	0.7077		0.0380				
37															
38 13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.340	43.21	43.20	0.801		1128659.81	159.1684	159.1684	82.3	0.5580	0.440	0.440	NO	
39 1,2,3,4,6,7,8-HpCDF	407.7818	10.340	43.22	43.22	1.381		15187.46	1.8843	1.8843	5	0.0400	1.097	1.040	NO	
40 1,2,3,4,7,8,9-HpCDF	407.7818	10.340	44.39	44.41	1.110		6344.88	0.9800	0.9800	5	0.0498	1.155	1.040	NO	
41 Total HpCDFs	407.7818	10.340			1.245			4.1509	4.1509		0.0443				
42															
43 13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.340	44.06	44.06	0.002	0.87	1076139.56	178.2431	178.2431	92.2	0.3396	1.072	1.040	NO	
44 1,2,3,4,6,7,8-HpCDD	423.7766	10.340	44.09	44.07	1.031		1611.52	0.2810	0.2810	5	0.0404	0.966	1.040	NO	
45 Total HpCDDs	423.7766	10.340			1.031			0.5024	0.5024		0.0404				
46															
47 13C-OCDD	469.7779	10.340	46.65	46.65	0.497		1303347.56	296.2170	296.2170	76.6	0.5057	0.918	0.890	NO	
48 OCDF	441.7428	10.340	46.77	46.75	1.426		19675.61	4.0958	4.0958	5	0.0673	0.912	0.890	NO	
49 OCDD	457.7377	10.340	46.66	46.66	1.155		2249.24	0.5778	0.5778	5	0.0635	0.801	0.890	NO	
50															
51															
52 Function 1 PFK	330.97920	1.000									26.01				
53 Function 2 PFK	342.97920	1.000									35.64				
54 Function 3 PFK	380.97600	1.000					7049.29				31.73				
55 Function 4 PFK	430.97280	1.000									34.66				
56 Function 5 PFK	442.97280	1.000									47.09				
57 TCDF PCDDPE	375.8364	1.000									24.17				
58 F1 PCDF PCDDPE	409.79740	1.000									24.64				
59 F2 PCDF PCDDPE	409.7974	1.000									35.27				
60 HxCDF PCDDPE	445.7555	1.000									40.63				
61 HPCDF PCDDPE	479.7165	1.000									43.19				
62 OCDF PCDDPE	513.67750	1.000									47.42				
											47.34				

Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROV\22AP103D58290C.qld

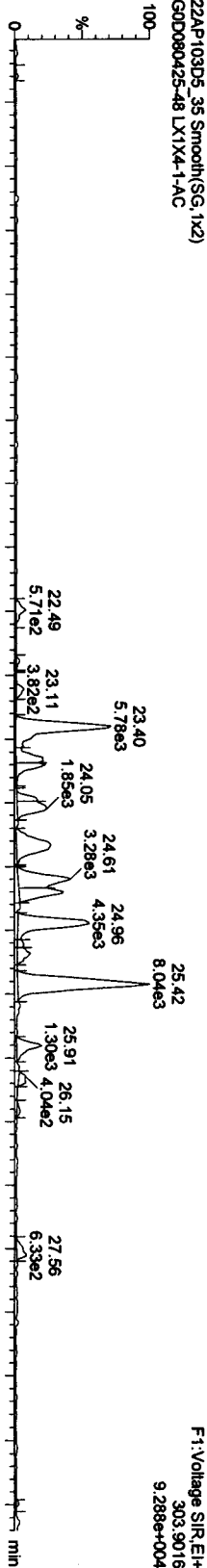
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Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

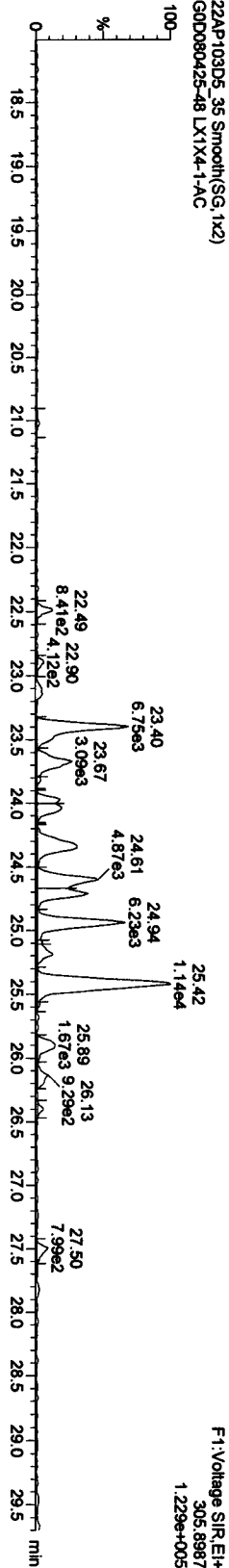
Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48

TCDFs

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G0D080425-48 LX1X4-1-AC

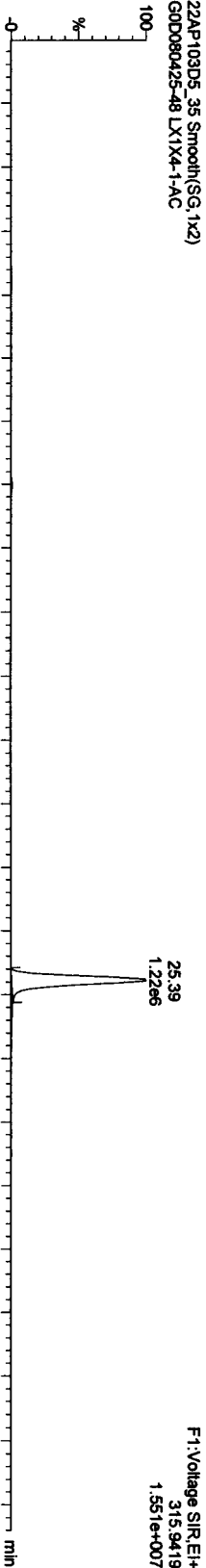


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G0D080425-48 LX1X4-1-AC

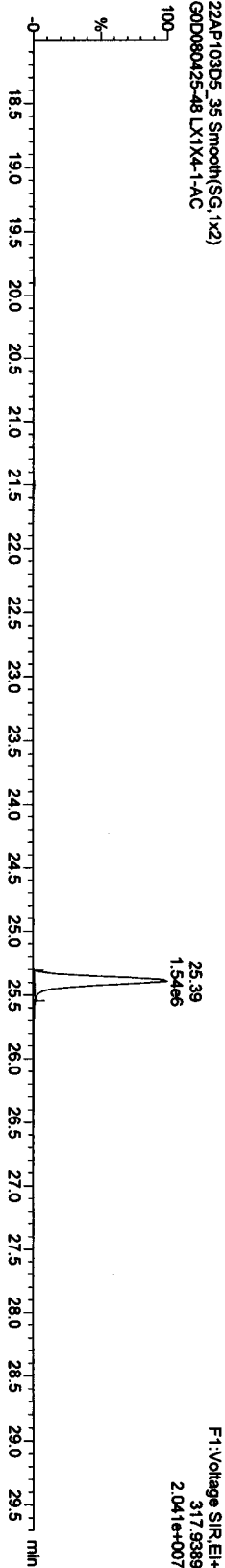


13C-TCDF

22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



Quantity Sample Report MassLynx 4.1

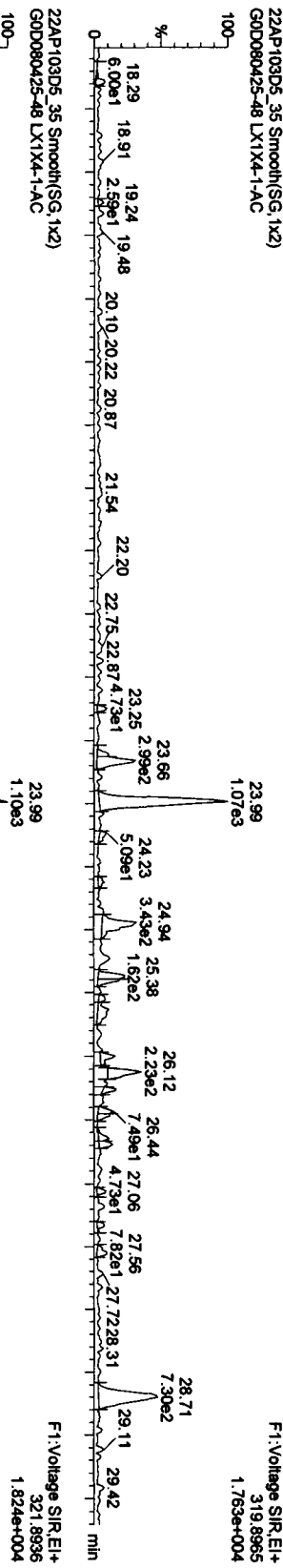
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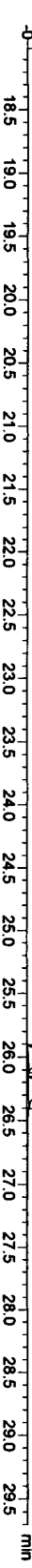
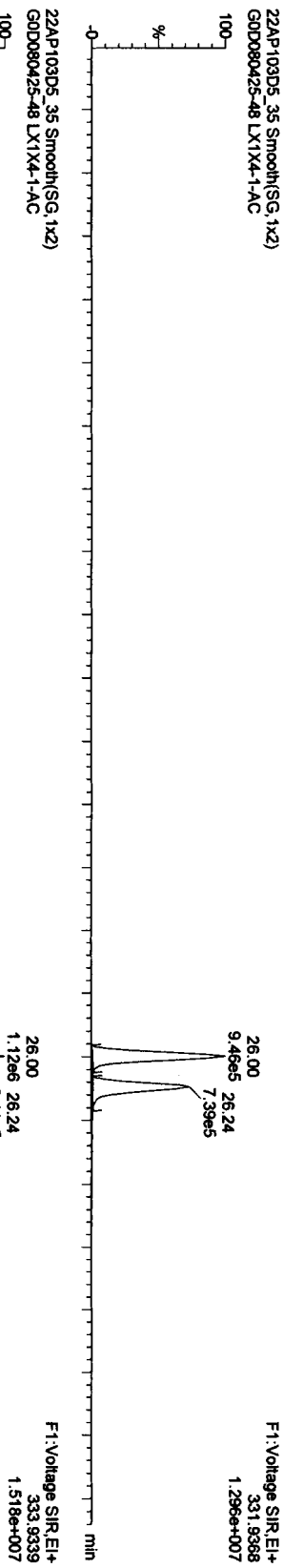
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Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48

TCDDs



13C-TCDDs



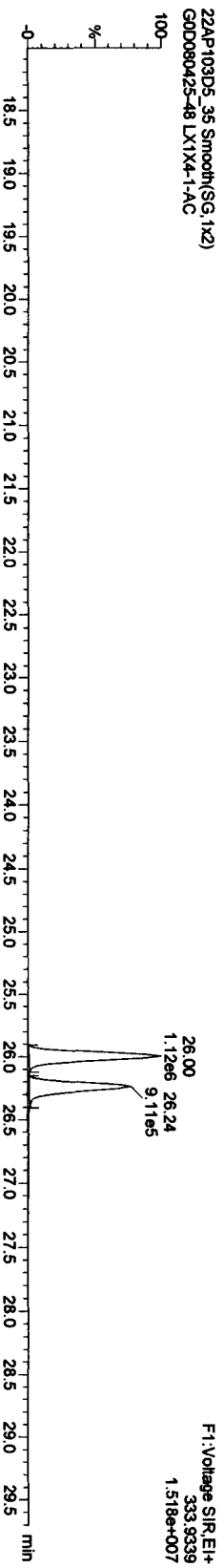
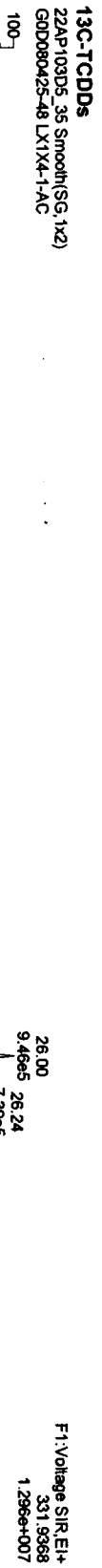
Quantity Sample Report MassLynx 4.1

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Quantity Sample Report MassLynx 4.1

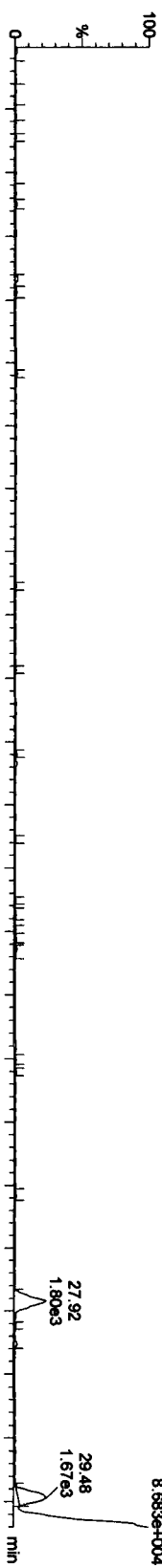
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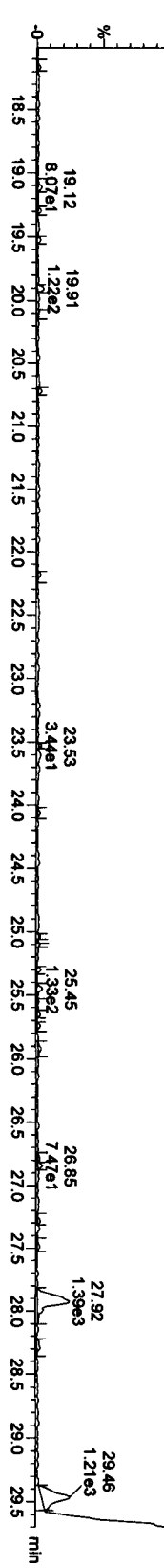
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Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48

F1 P₆CD_Fs
22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC

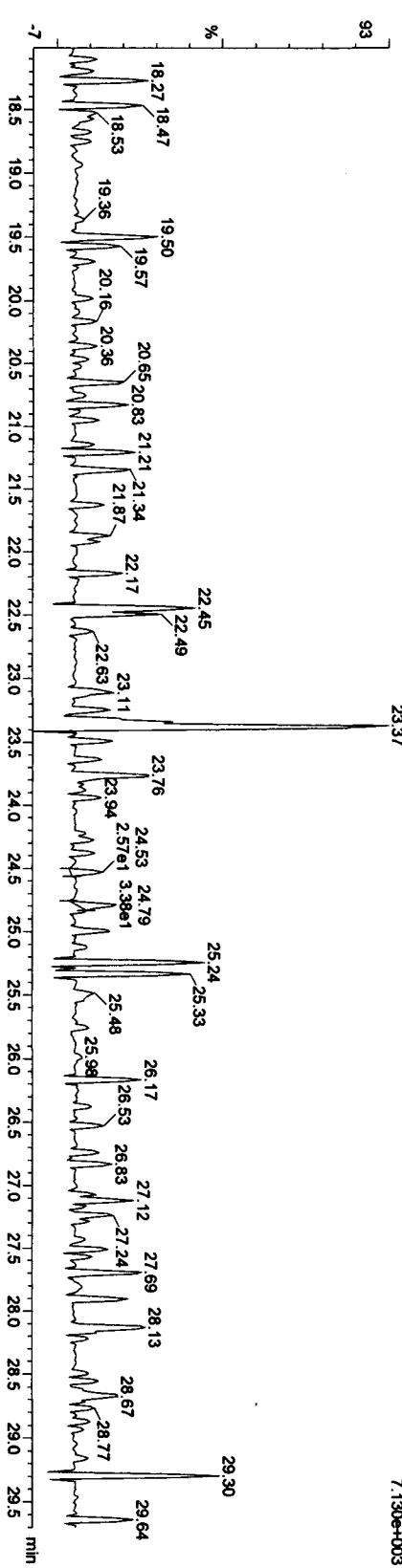


F1: Voltage SIR.EI+
339.8597
8.683e+004



F1: Voltage SIR.EI+
341.8567
6.159e+004

F1 P₆CD_F PCDPE
22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



F1: Voltage SIR.EI+
409.79740
7.130e+003

Quantity Sample Report MassLynx 4.1

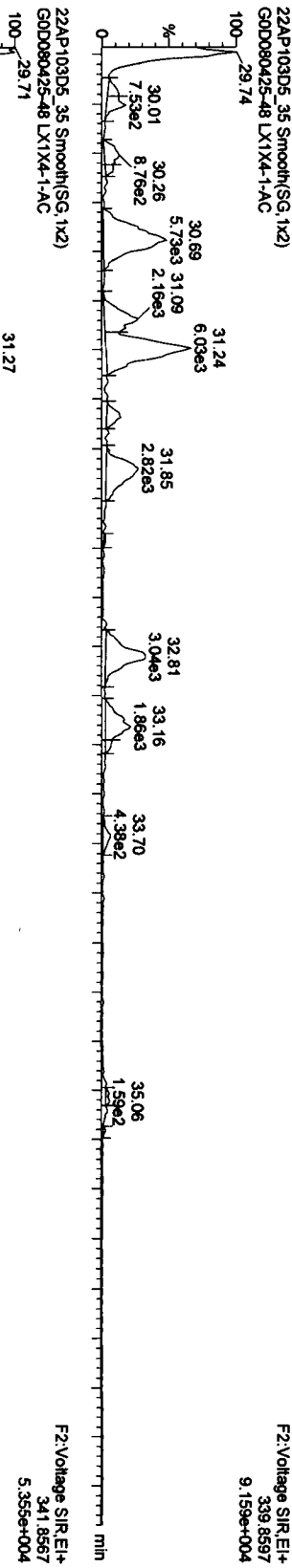
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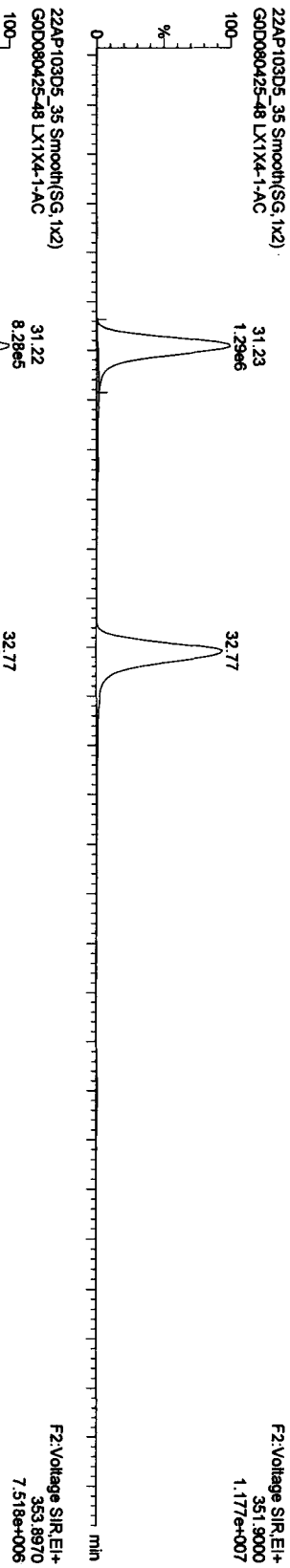
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Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48

PeCDFs



13C-PeCDFs



13C-PeCDFs



Quantity Sample Report MassLynx 4.1

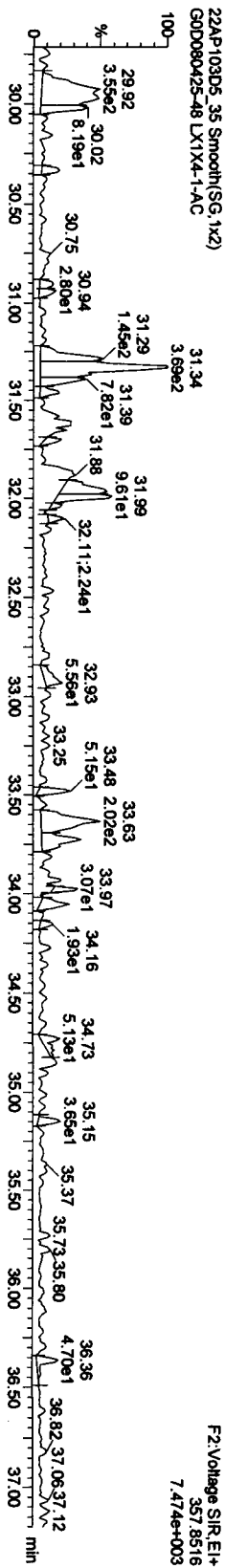
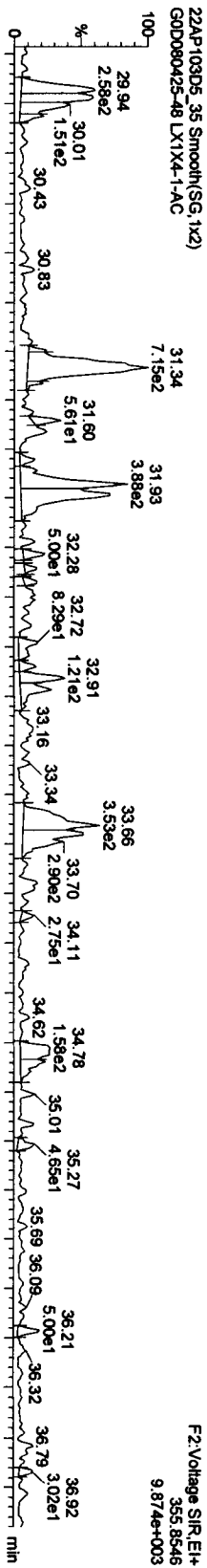
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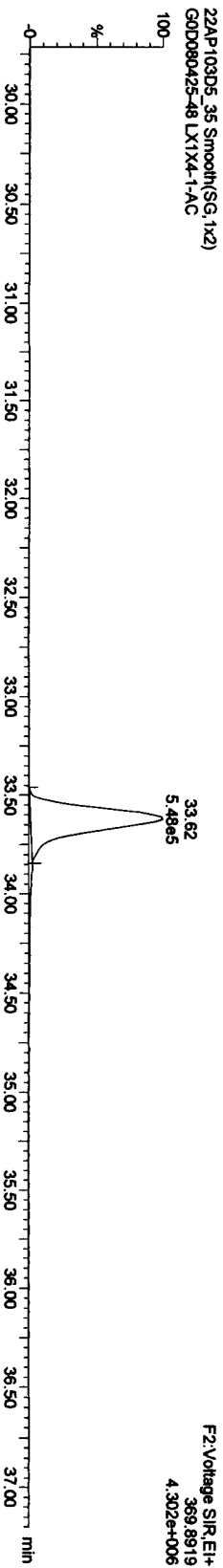
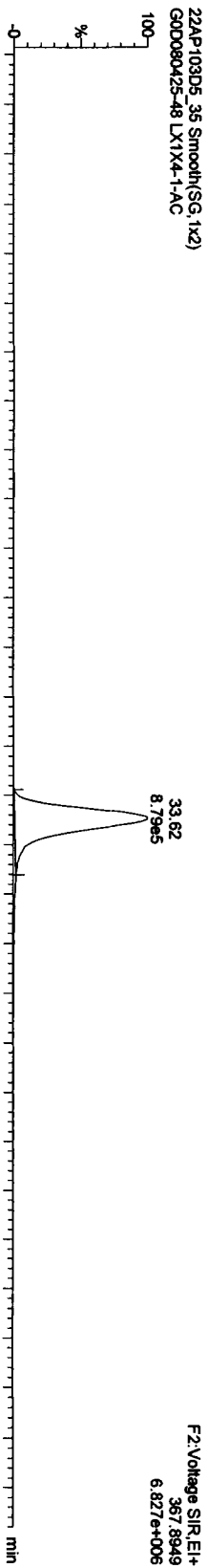
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Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48

PeCDDs



13C-PeCDD



Quantity Sample Report MassLynx 4.1

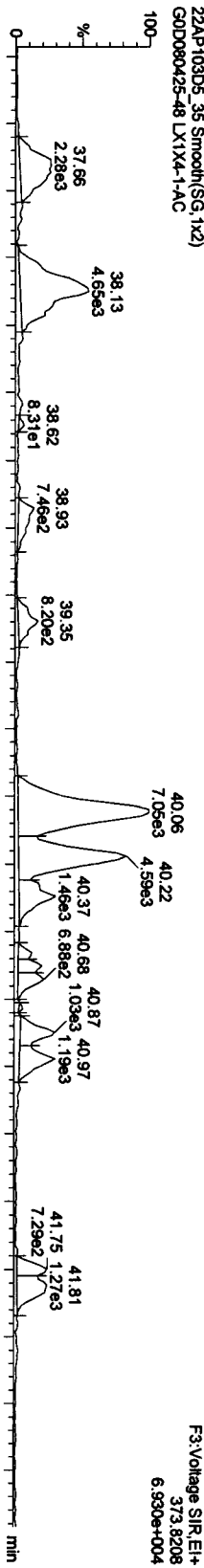
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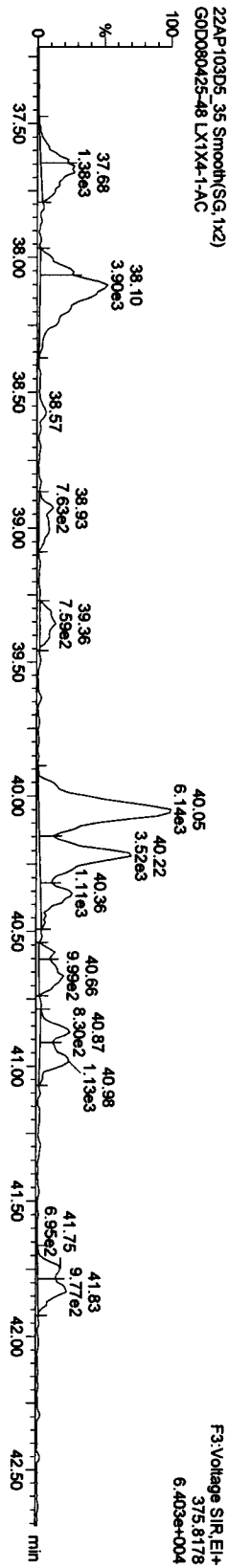
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HxCDFs

22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC

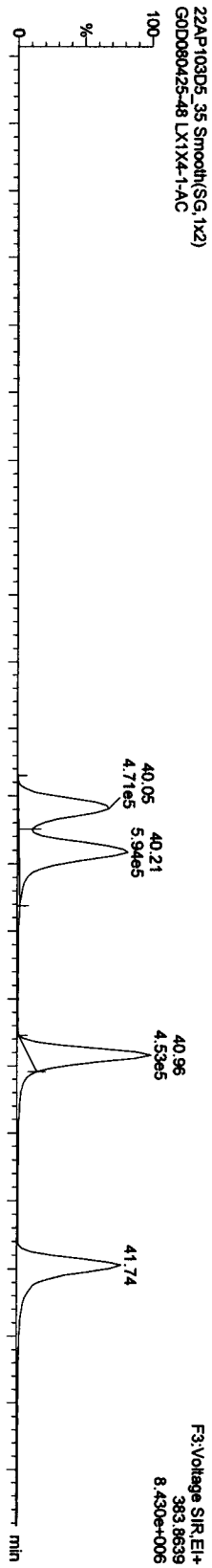


22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC

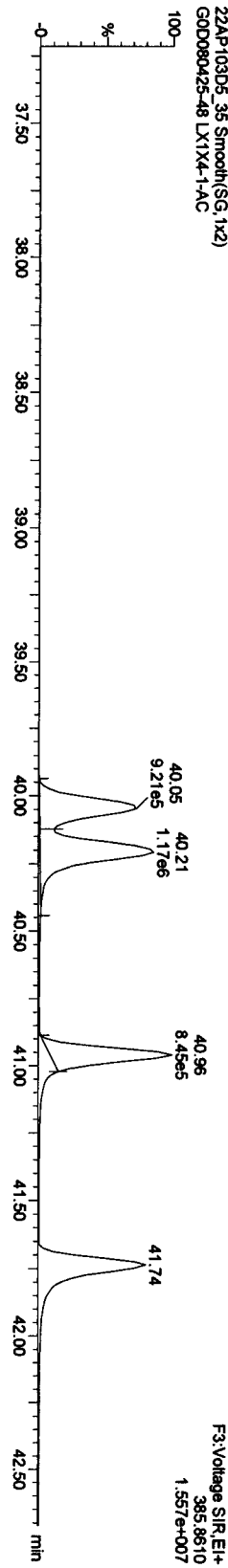


13C-HxCDFs

22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ22AP103D58290C.qld

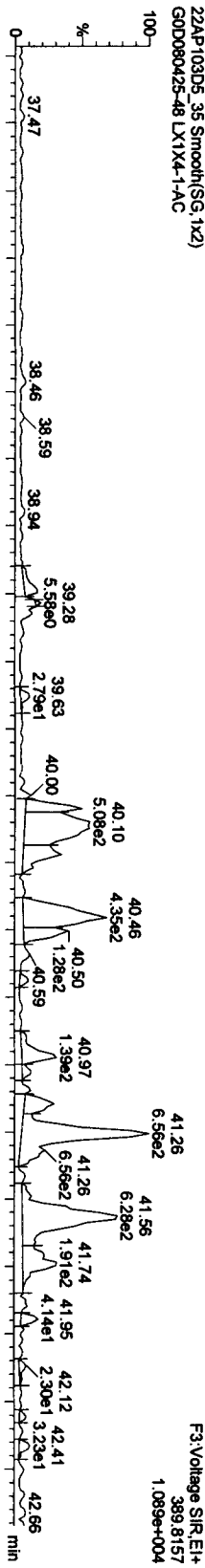
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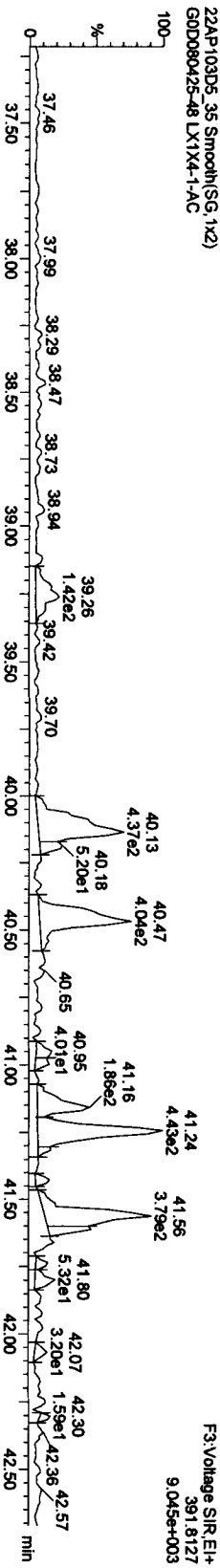
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HxCDDs

22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC

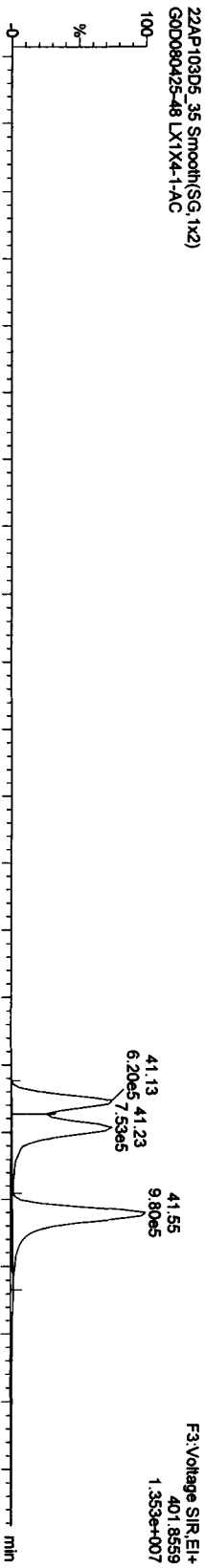


22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC

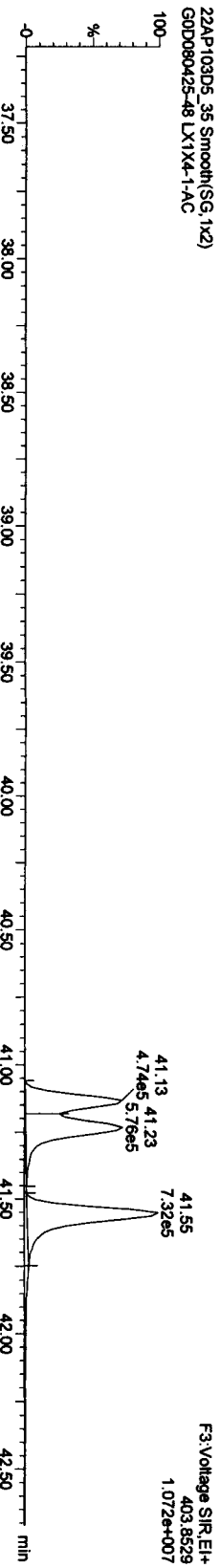


13C-HxCDDs

22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



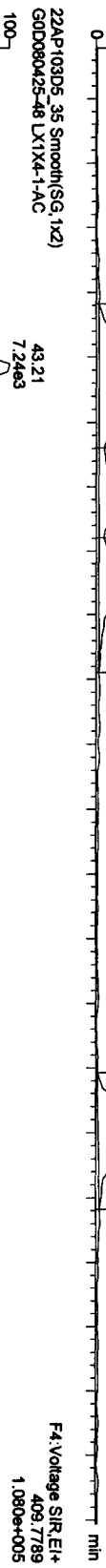
Quantity Sample Report MassLynx 4.1

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Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ22AP103D56290C.qld

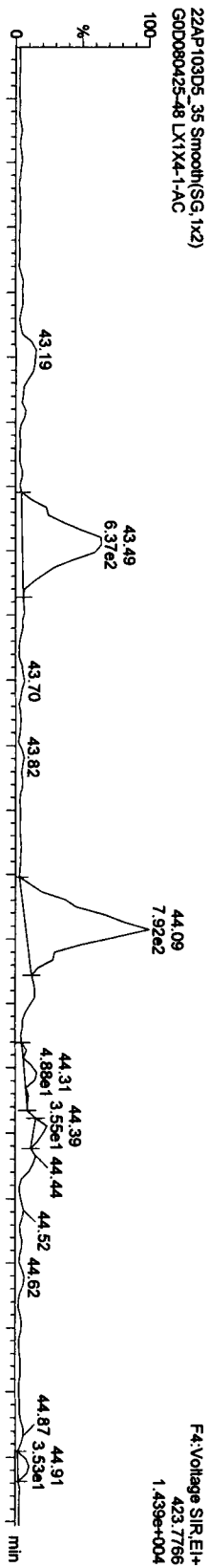
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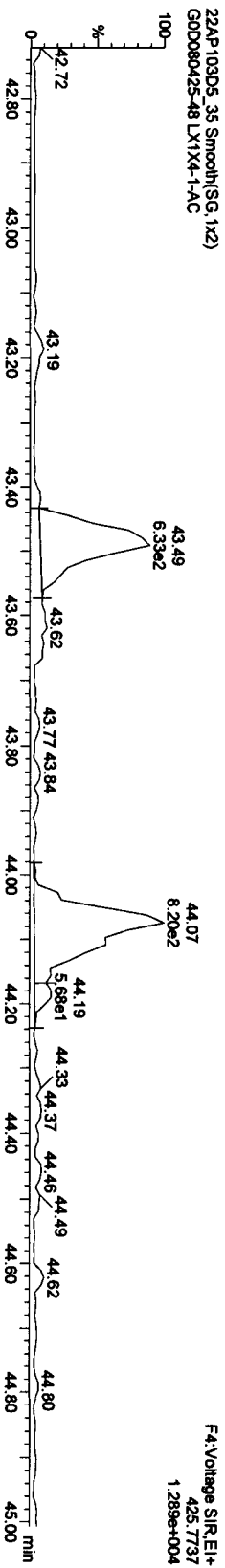
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HpCDDs

22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC

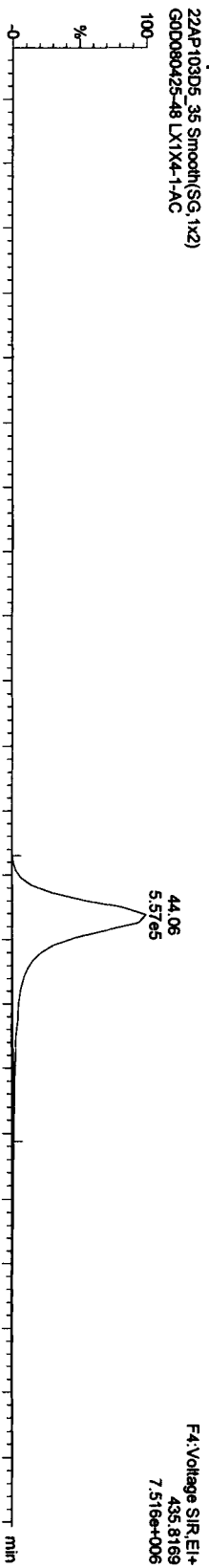


22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC

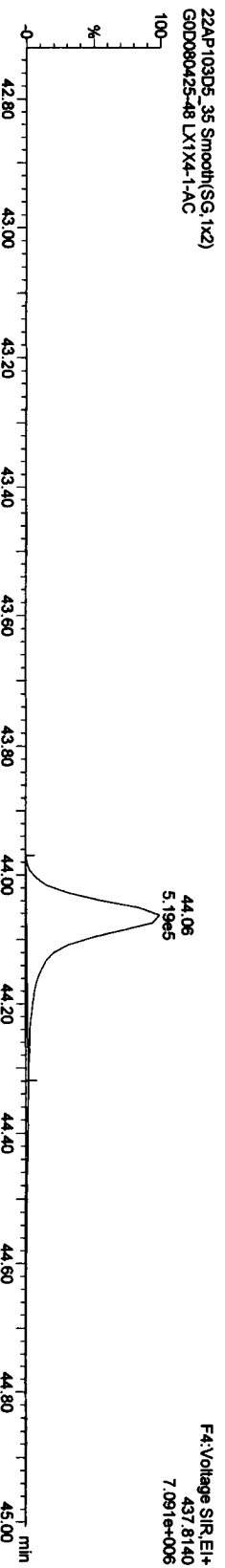


13C-HpCDD

22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UNAN2010\PROJ\22AP103D58290C.qld

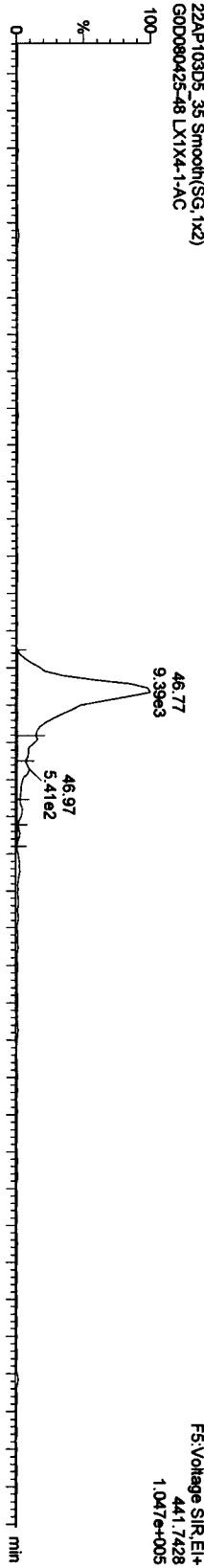
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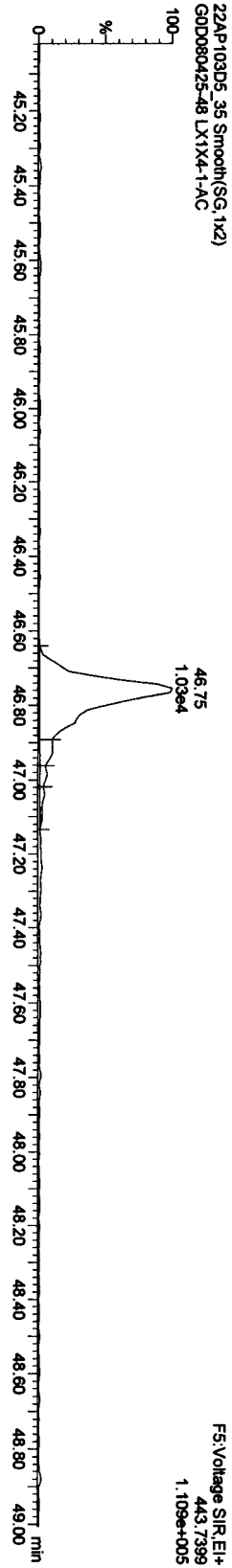
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OCDFs

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G0D080425-48 LX1X4-1-AC

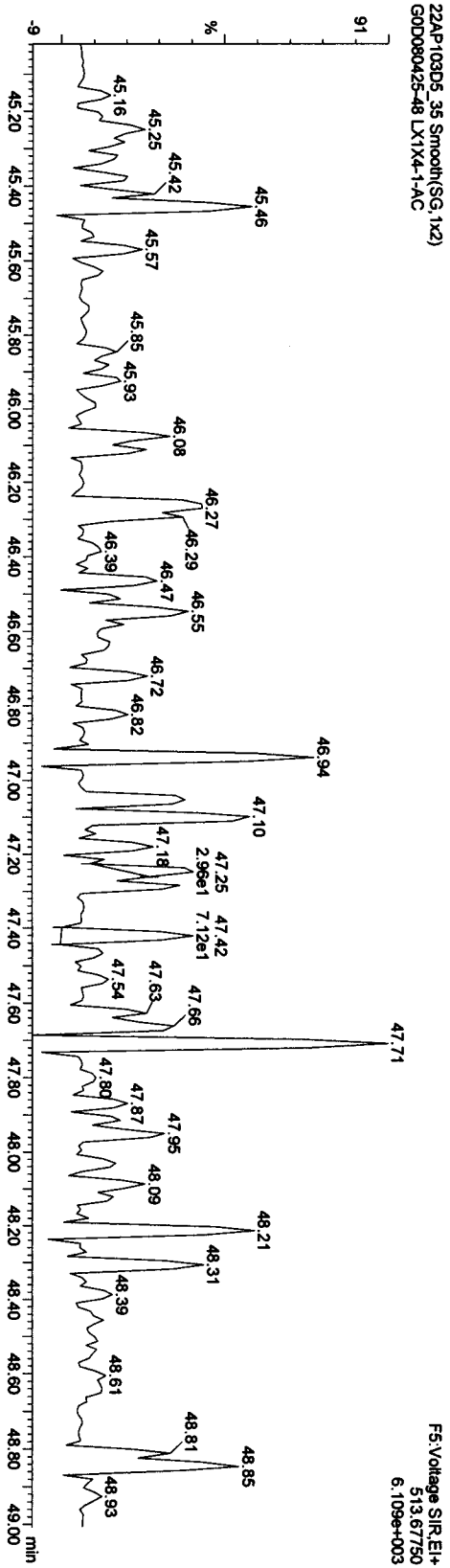


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G0D080425-48 LX1X4-1-AC



OCDP PCDPE

22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PROV22AP103D58290C.qld

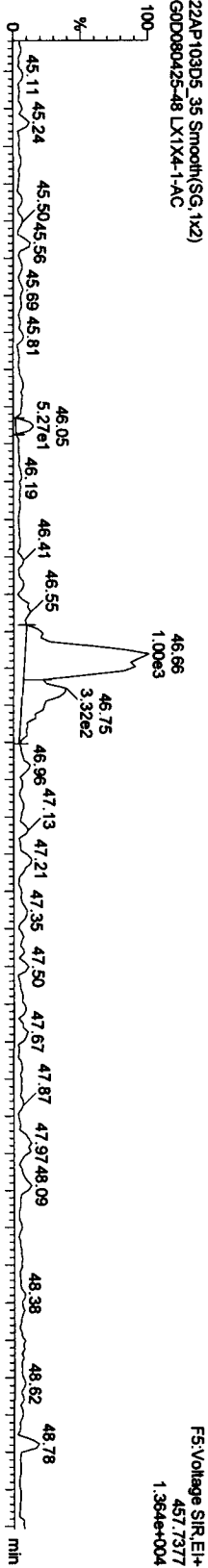
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

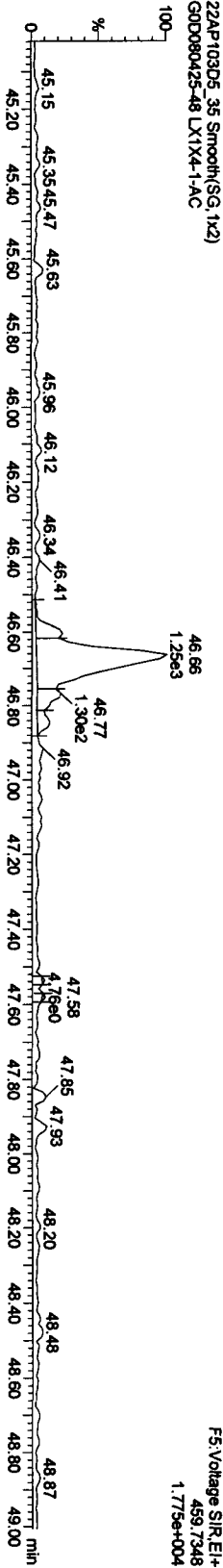
Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: GODD080425-48

OCDD

22AP103D5_35 Smooth(SG,1x2)
GODD080425-48 LX1X4-1-AC

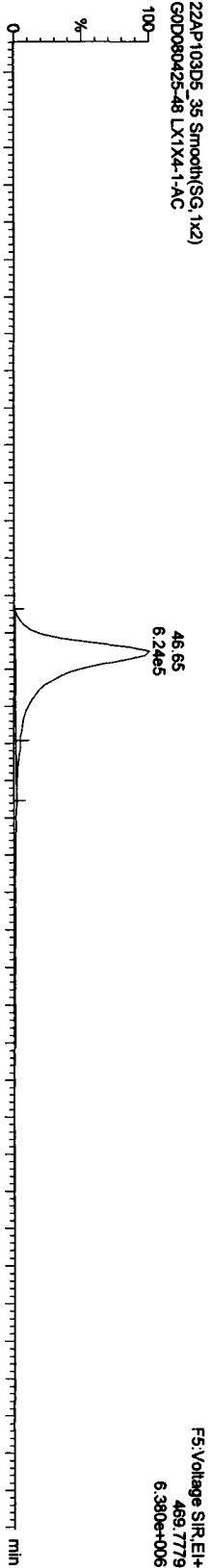


22AP103D5_35 Smooth(SG,1x2)
GODD080425-48 LX1X4-1-AC

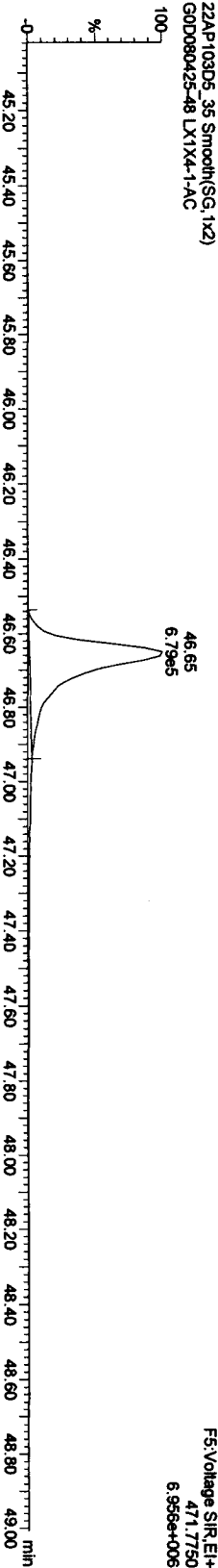


13C-OCDD

22AP103D5_35 Smooth(SG,1x2)
GODD080425-48 LX1X4-1-AC



22AP103D5_35 Smooth(SG,1x2)
GODD080425-48 LX1X4-1-AC

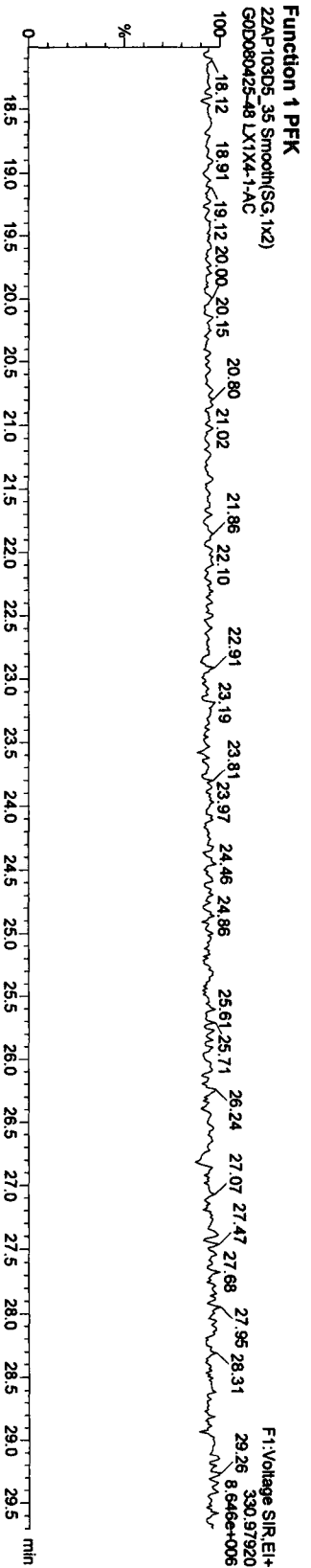
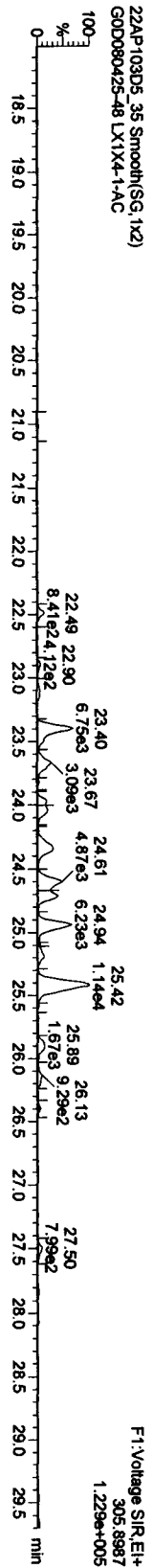
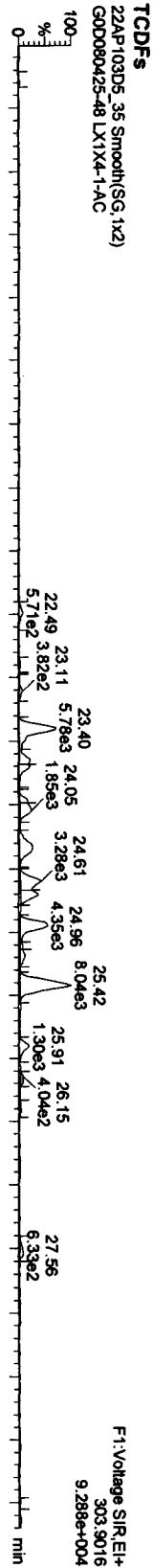


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\22AP103D56290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48



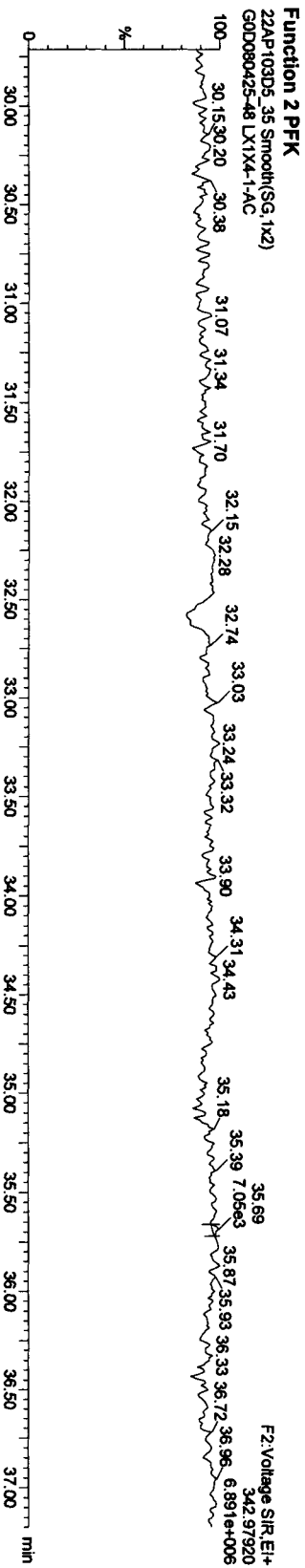
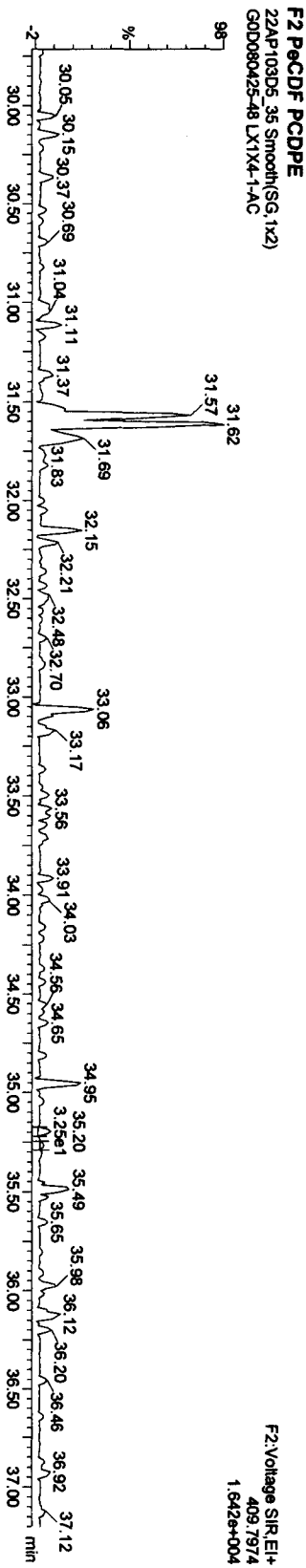
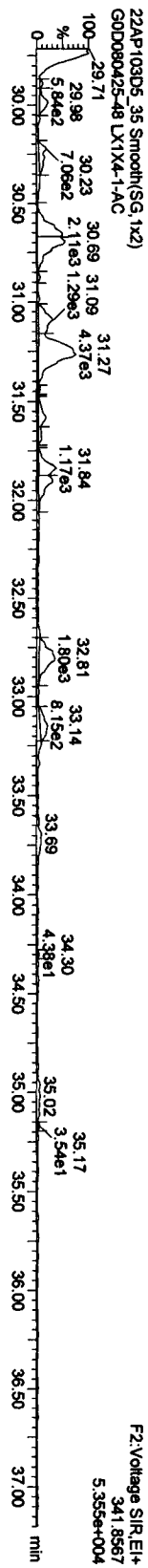
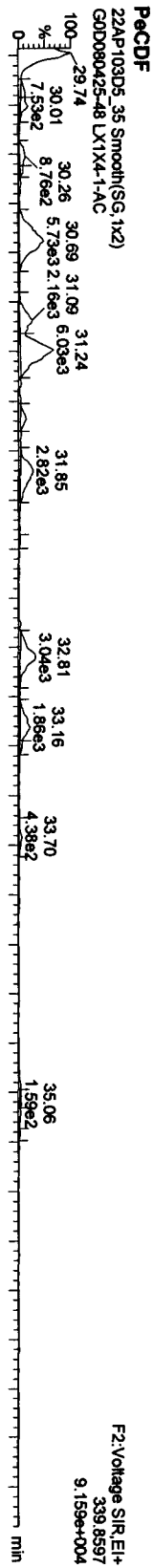
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROV\22AP103D56290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_35 Date: 23-Apr-2010 Time: 16:23:31 ID: LX1X4-1-AC, Description: G0D080425-48



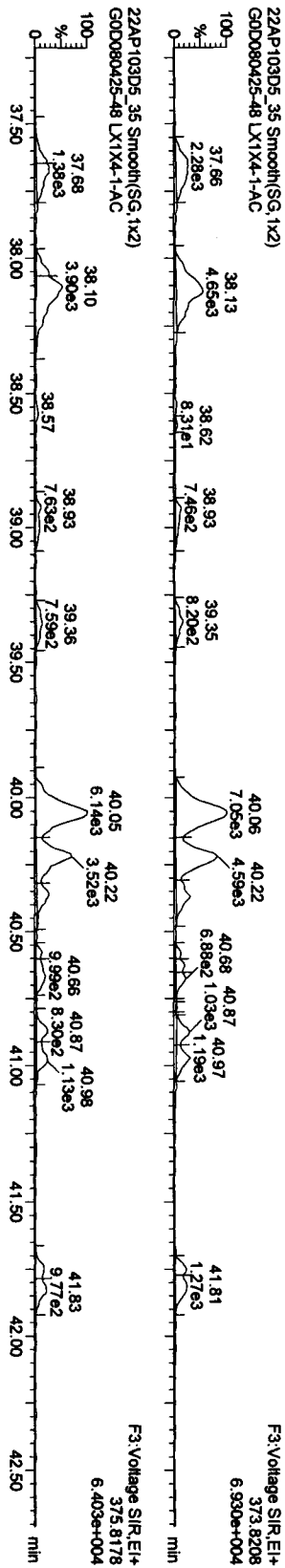
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ\22AP103D56290C.qld

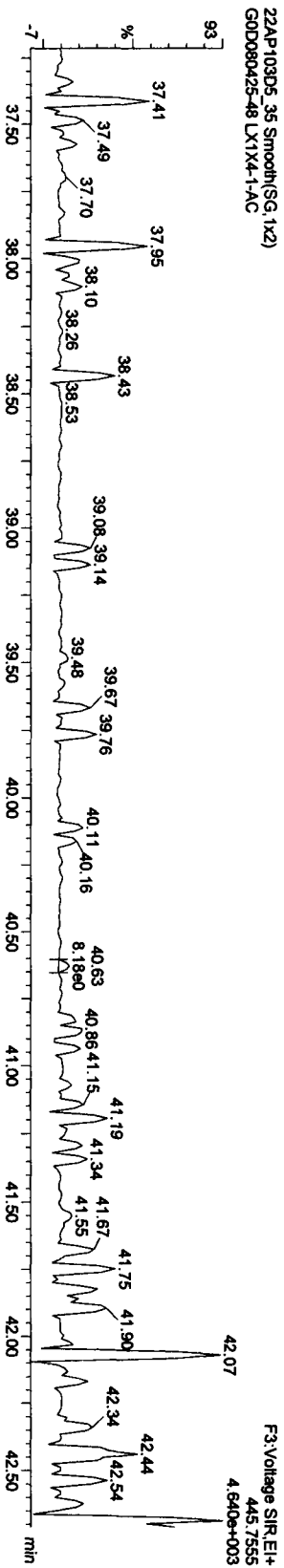
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48

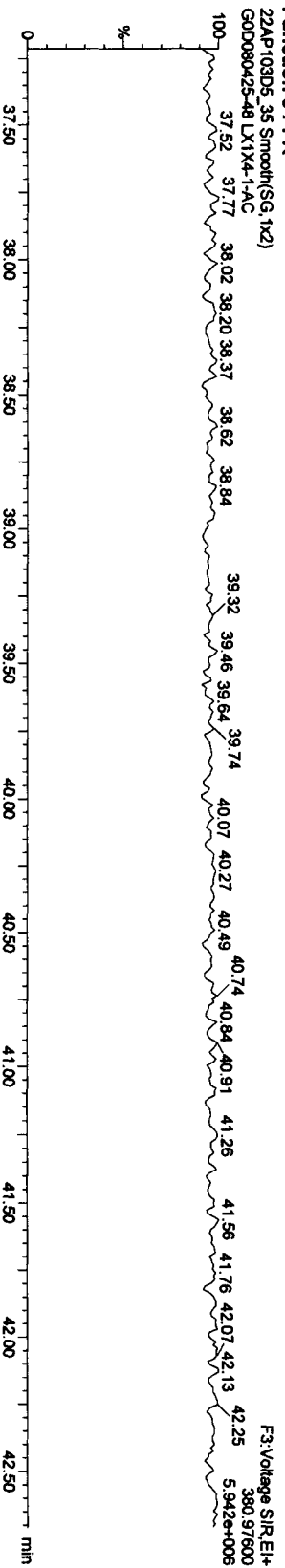
HXCDFs
22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



HXCDF PCDDPE
22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



Function 3 PFK
22AP103D5_35 Smooth(SG,1x2)
G0D080425-48 LX1X4-1-AC



Quantity Sample Report MassLynx 4.1

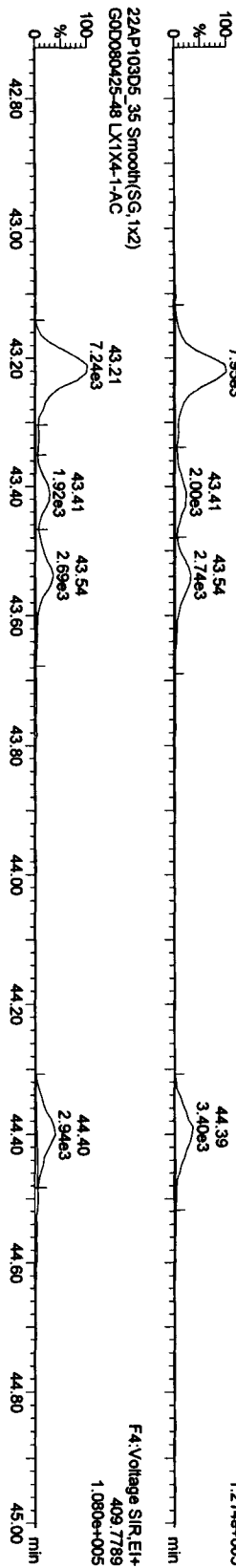
Dataset: C:\MassLynx\LAN2010.PRO\22AP103D56290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

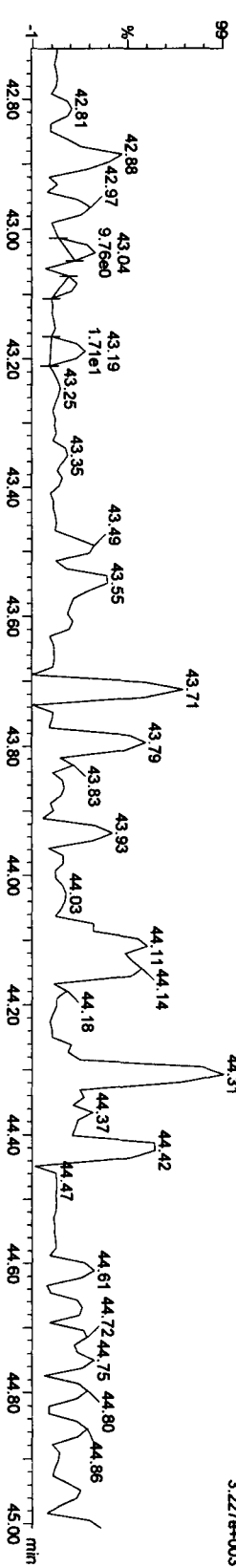
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: G0D080425-48

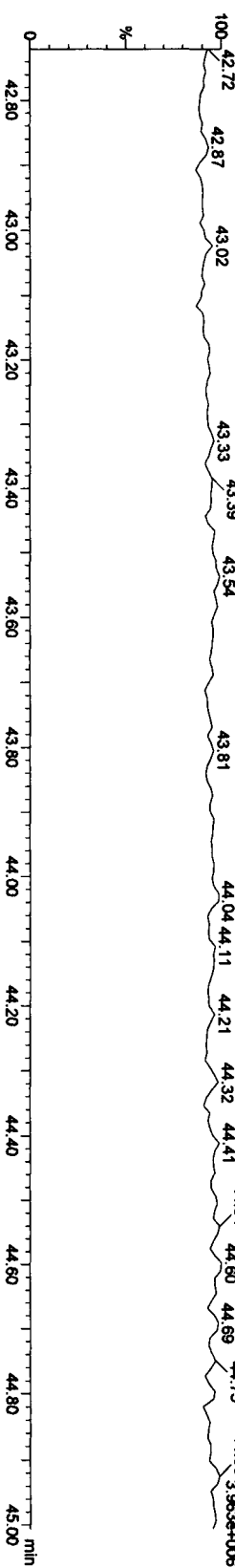
HPCDFs
22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



HPCDF PCDPE
22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



Function 4 PFK
22AP103D5_35 Smooth(SG, 1x2)
G0D080425-48 LX1X4-1-AC



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\22AP103D58290C.qld

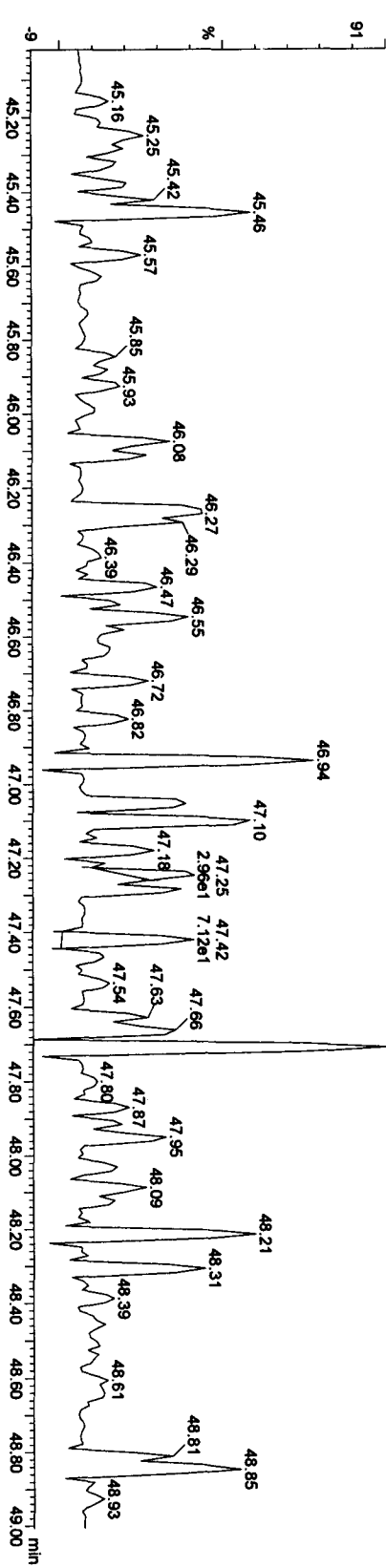
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_35, Date: 23-Apr-2010, Time: 16:23:31, ID: LX1X4-1-AC, Description: GODD080425-48

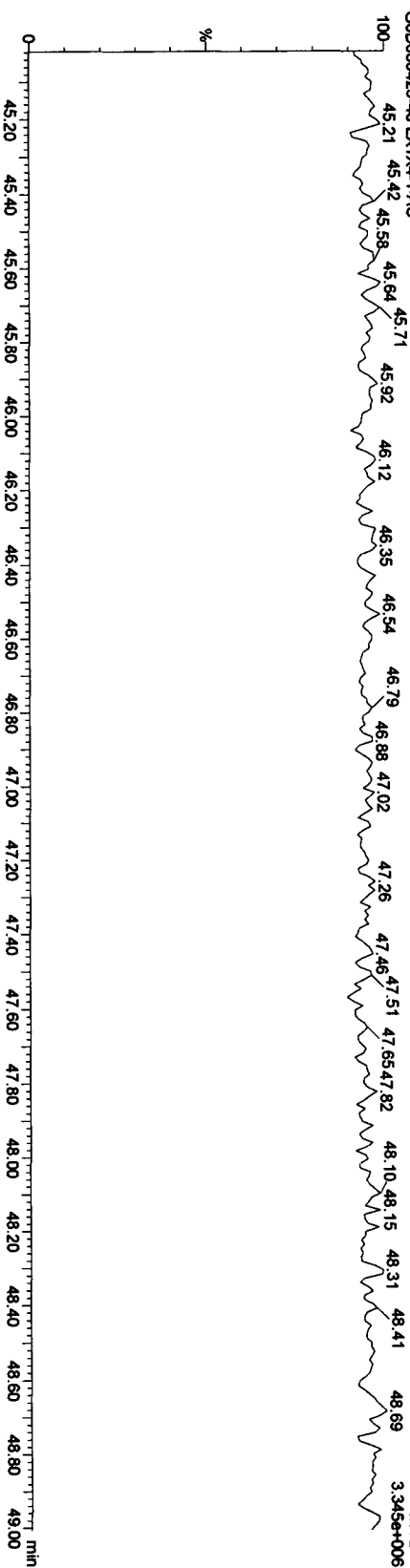
OCDF PCDPE
22AP103D5_35 Smooth(SG, 1x2)
GODD080425-48 LX1X4-1-AC

F5:Voltage SIR.EI+
513.67/50
6.109e+003



Function 5 PFK
22AP103D5_35 Smooth(SG, 1x2)
GODD080425-48 LX1X4-1-AC

F5:Voltage SIR.EI+
442.97/280
3.345e+006



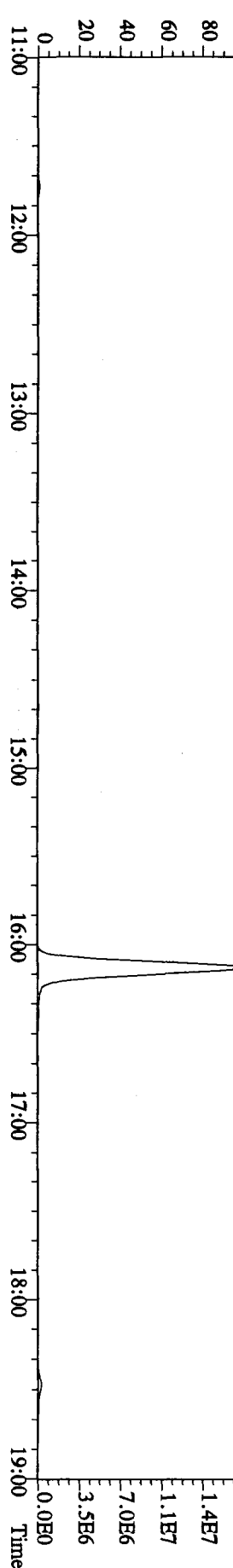
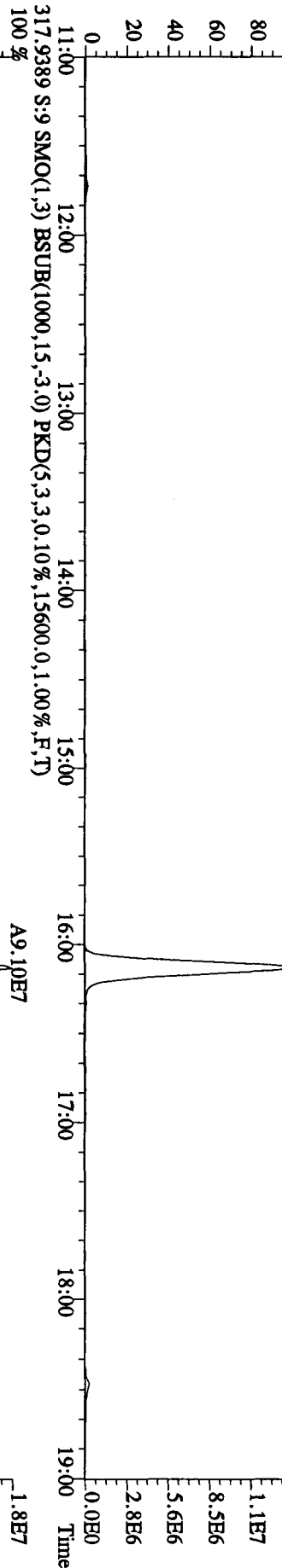
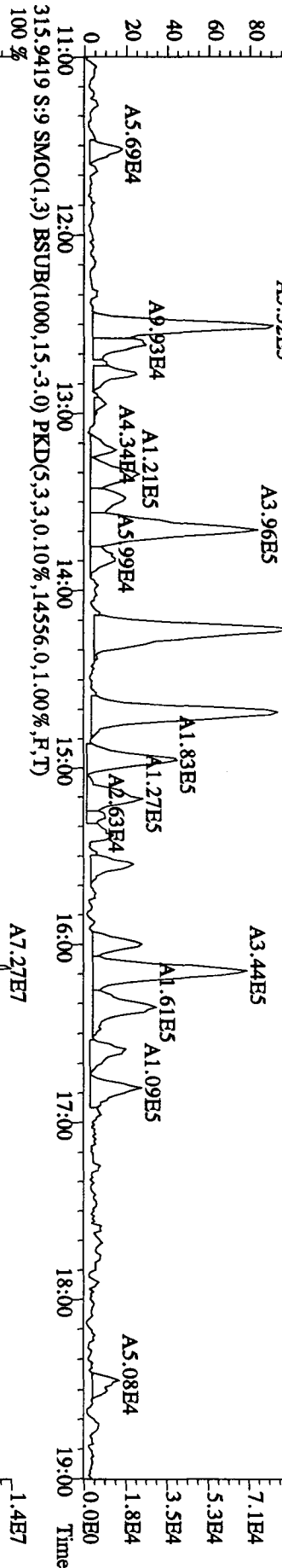
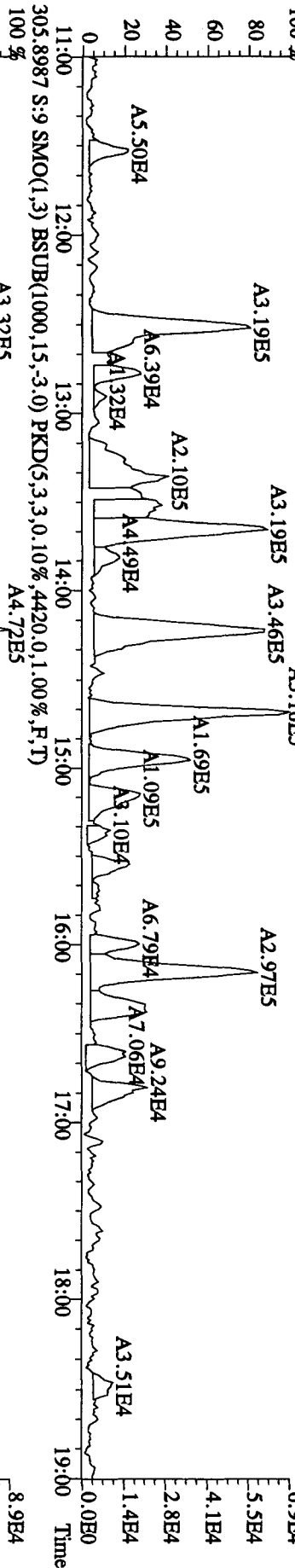
Run text: LX1X4-1-AC Sample text: LX1X4-1-AC :G0D080425-48
 Run #13 Filename: 23AP10C5D2 S: 9 I: 1 Results: 23AP10C5D2DB225
 Acquired: 24-APR-10 01:41:29 Processed: 24-APR-10 09:59:01
 Run: 23AP10C5D2 Analyte: DB225 Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.34007g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	113235000	0.75 y	14:57	-	11.01	-	-	n
13C-2,3,7,8-TCDF	163633000	0.80 y	16:08	2.11	132.70	0.35	68.6	n
2,3,7,8-TCDF	641167	0.86 y	16:10	1.09	0.70	0.14	-	n
13C-2,3,7,8-TCDD	90617100	0.79 y	14:45	0.95	163.20	0.47	84.4	n
2,3,7,8-TCDD	53732	0.47 n	14:47	1.36	0.08	0.14	-	n
37C1-2,3,7,8-TCDD	76331400	1.00 y	14:46	2.28	57.23	0.10	74.0	n

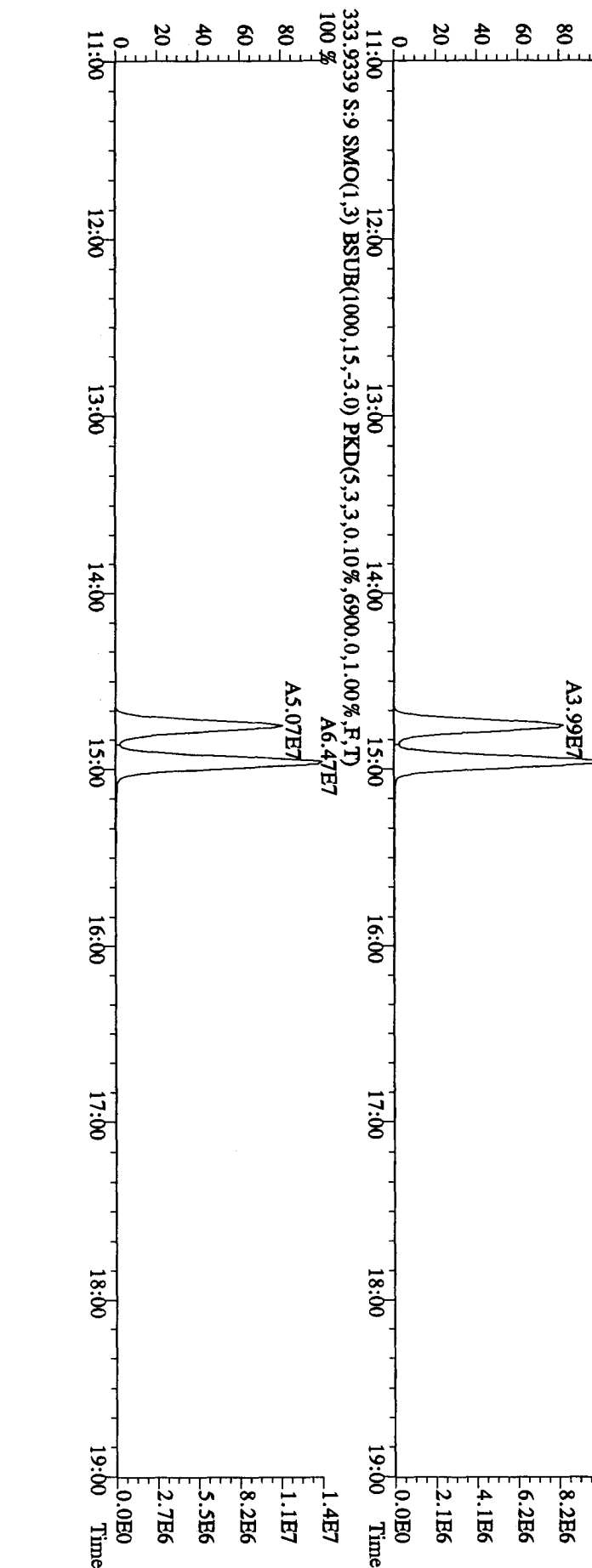
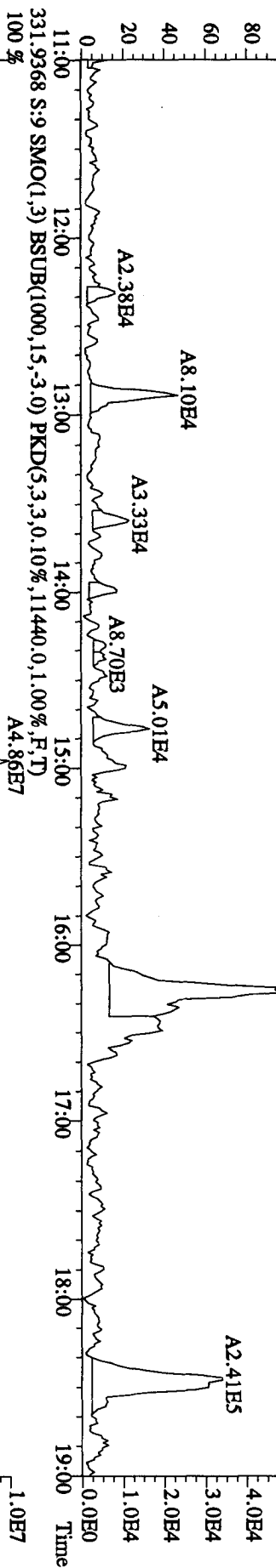
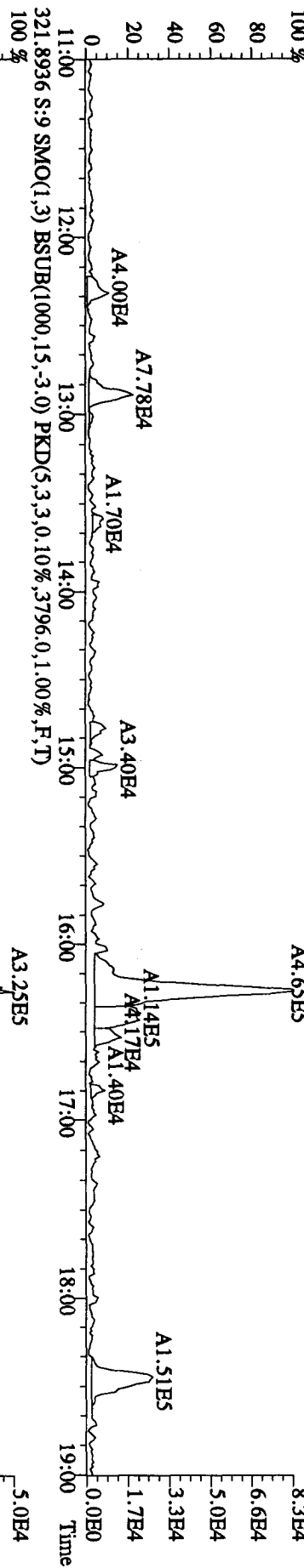
Scan B

V\$ 4.26.6

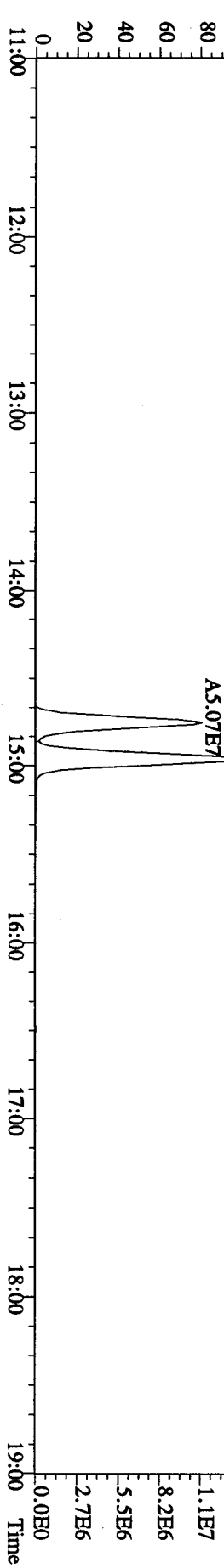
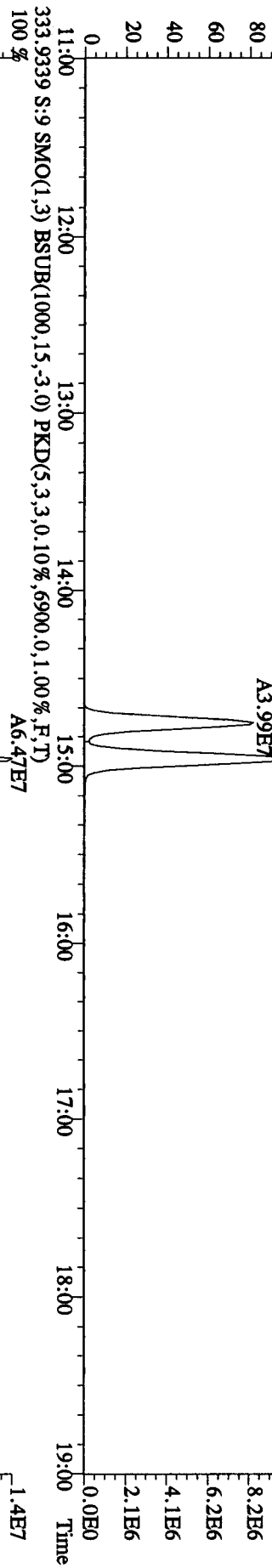
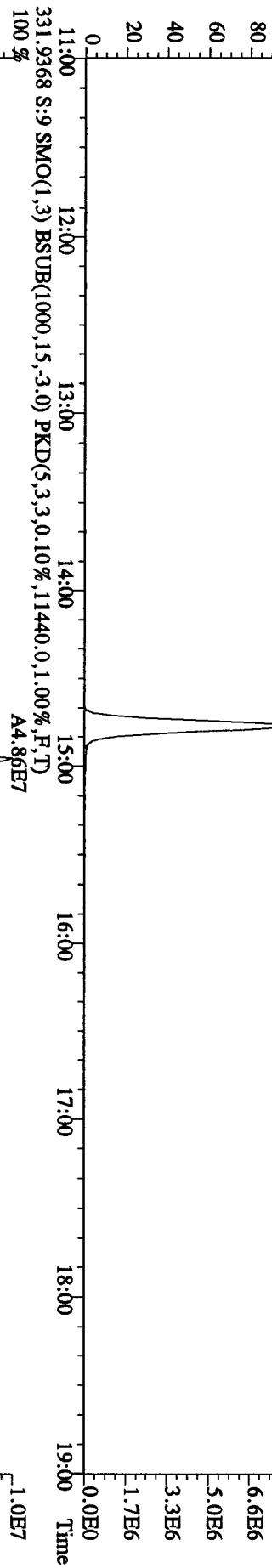
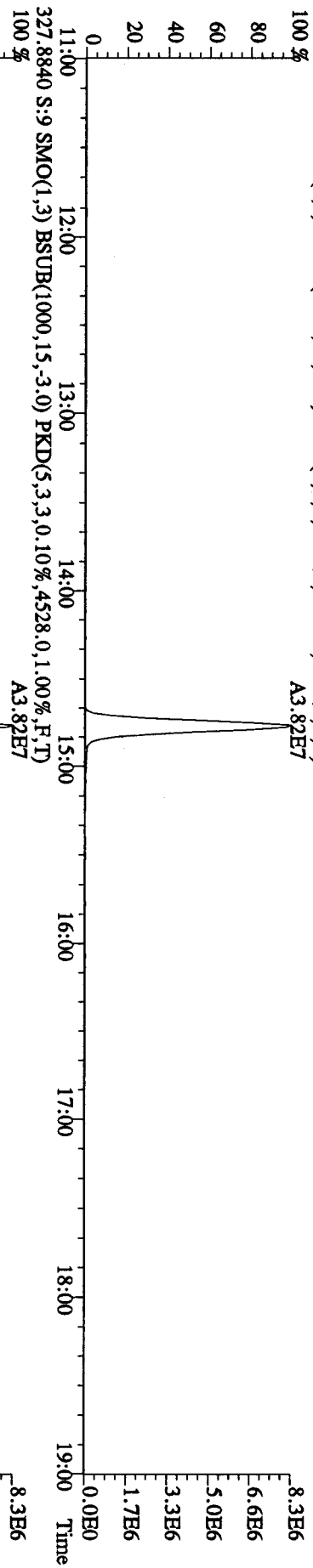
File: 23AP10C5D2 #1-1242 Acq: 24-APR-2010 01:41:29 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LXIX4-1-AC :G0D080425-48 Exp: DB225
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3820,0,1,00%,F,T)



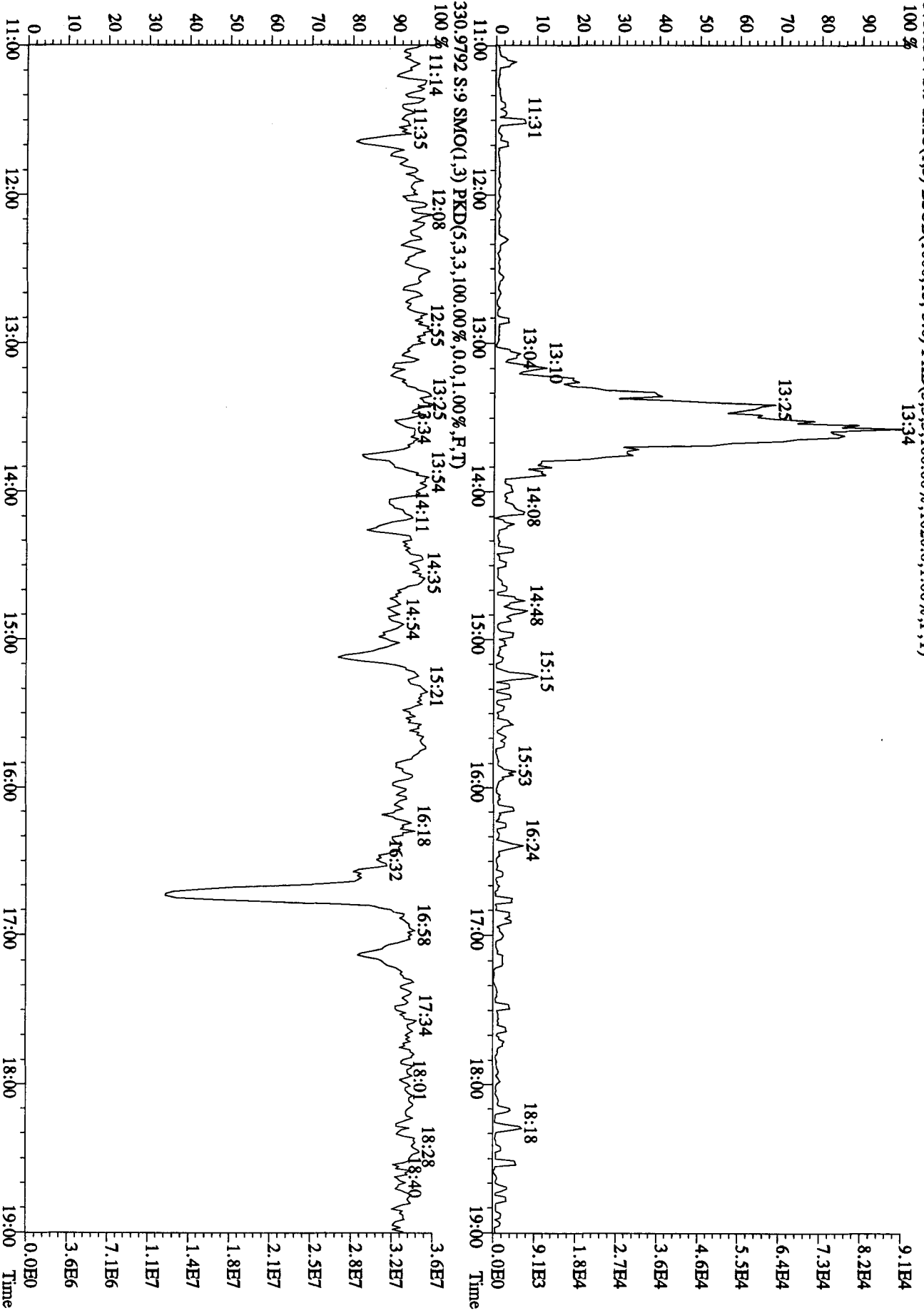
File:23AP10C5D2 #1-1242 Acq:24-APR-2010 01:41:29 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXIX4-1-AC :G0D080425-48 Exp:DB225
 319.8965 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2656,0,1,00%,F,T)



File:23AP10C5D2 #1-1242 Acq:24-APR-2010 01:41:29 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX1X4-1-AC :G0D080425-48 Exp:DB225
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4528,0,1,00%,F,T)
100 % A3.82E7



File: 23AP10C5D2 #1-1242 Acq: 24-APR-2010 01:41:29 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LX1X4-1-AC :G0D080425-48 Exp: DB225
 375,8364 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1020,0,1.00%,F,T)
 100%



Daily Calibration Checklist
Dioxin Methods

Method ID 8290
 Column ID DB225
 STD ID ST0423R, ST0423L
 Analyzed by A.M.
 Std. Pkg. By H.G.
 Std. Pkg. Reviewed By MA

Associated ICAL DB225 0421105D2
 Instrument ID 502
 STD Solution 10DXN111
 Date Analyzed 4/23/10, 4/24/10
 Date Std. Pkg. Assembled 4/24/10
 Date Std. Pkg. Reviewed 4/24/10

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: ST0423B

File text: CS-3 10DXN111

Run #6 Filename 23AP10C5D2 S: 1

I: 1

Acquired: 23-APR-10 20:45:05

Processed: 23-APR-10 21:16:21

Run: 23AP10C5D2 Analyte: DB225

Cal: DB2250421105D2

Results: 23AP10C5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	82997800	0.77 y	15:01	-	100.00	-	n
13C-2,3,7,8-TCDF	154374700	0.82 y	16:11	1.86	100.00	-11.7	n
2,3,7,8-TCDF	15611290	0.78 y	16:12	1.01	10.00	-7.1	n
13C-2,3,7,8-TCDD	83012400	0.75 y	14:48	1.00	100.00	5.5	n
2,3,7,8-TCDD	10429150	0.81 y	14:49	1.26	10.00	-7.4	n
37C1-2,3,7,8-TCDD	17994240	1.00 y	14:49	2.17	10.00	-4.8	n

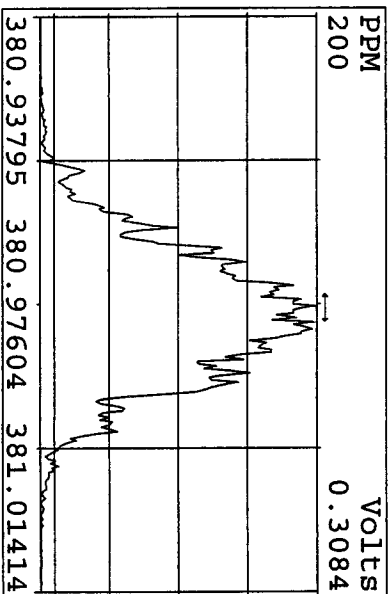
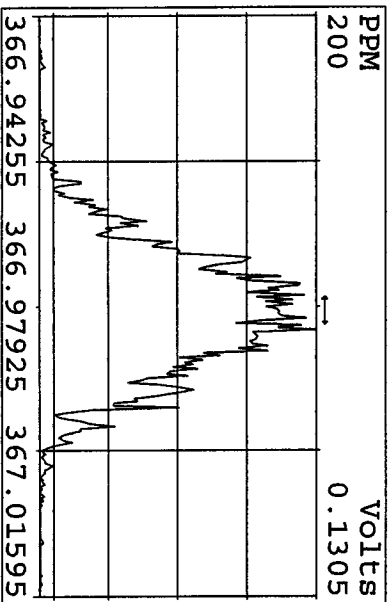
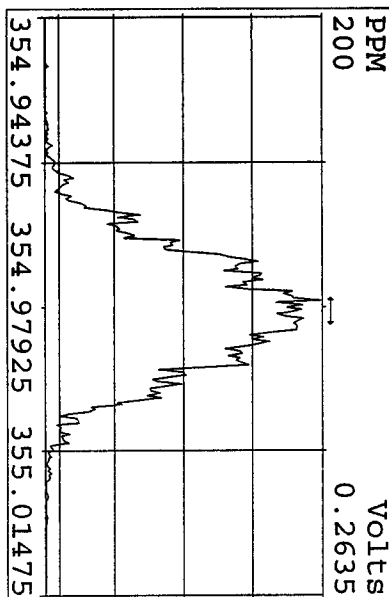
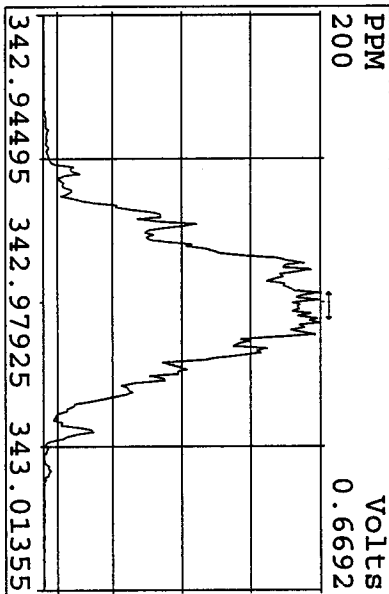
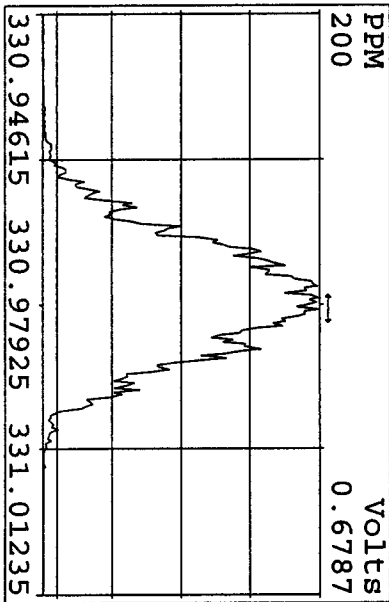
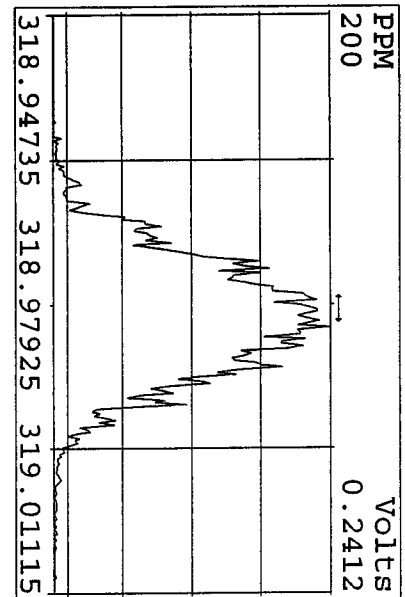
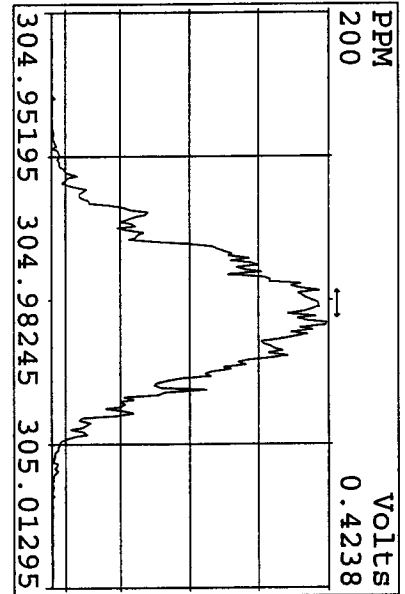
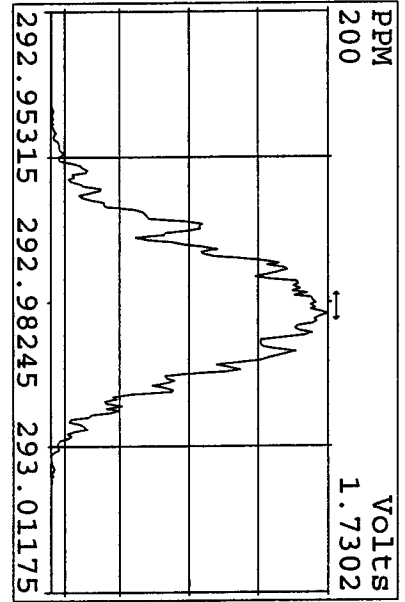
Run text: ST0423C File text: ST0423C :CS3 10DXN111
Run #15 Filename 23AP10C5D2 S: 13 I: 1
Acquired: 24-APR-10 04:09:45 Processed: 24-APR-10 09:59:01
Run: 23AP10C5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 23AP10C5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	98380600	0.76 y	14:56	-	100.00	-	n
13C-2,3,7,8-TCDF	181565200	0.82 y	16:06	1.85	100.00	-12.4	n
2,3,7,8-TCDF	18461360	0.79 y	16:07	1.02	10.00	-6.6	n
13C-2,3,7,8-TCDD	100700000	0.77 y	14:43	1.02	100.00	7.9	n
2,3,7,8-TCDD	12207420	0.85 y	14:45	1.21	10.00	-10.7	n
37Cl-2,3,7,8-TCDD	21569600	1.00 y	14:44	2.19	10.00	-3.8	n

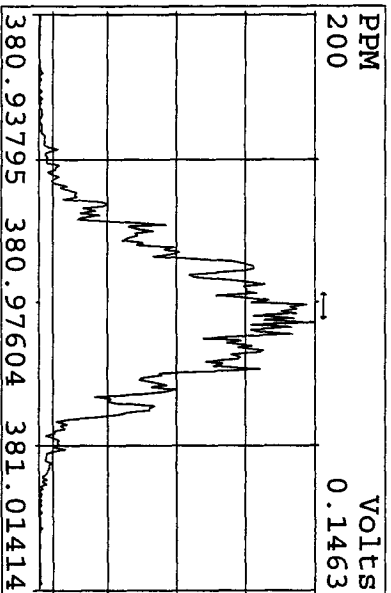
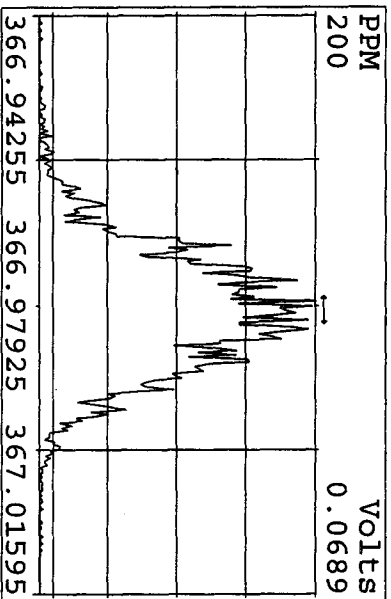
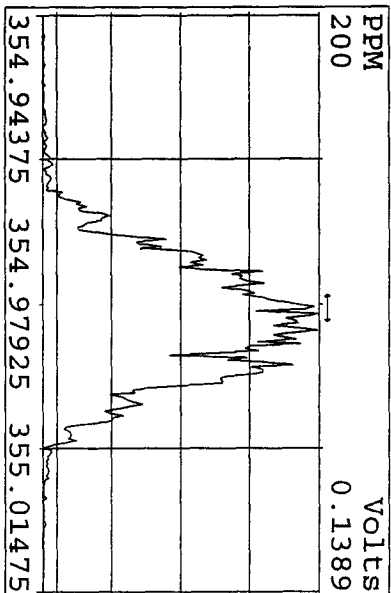
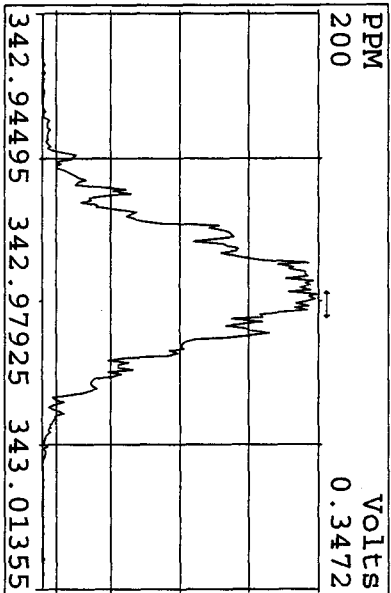
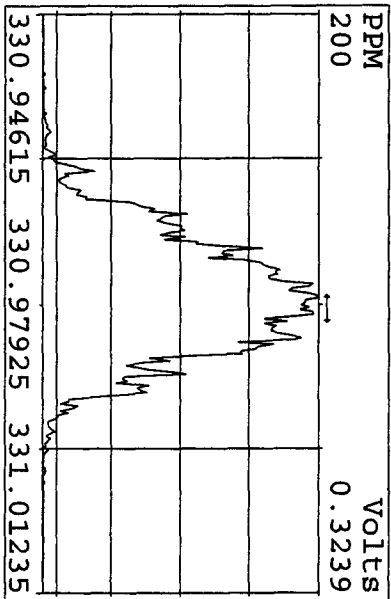
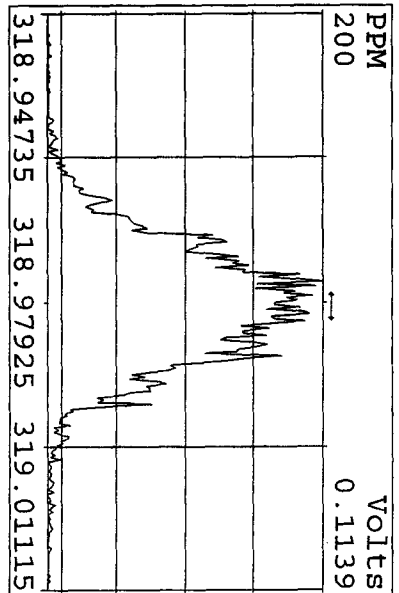
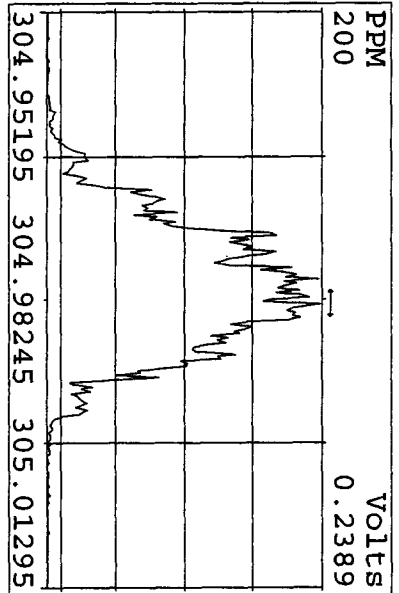
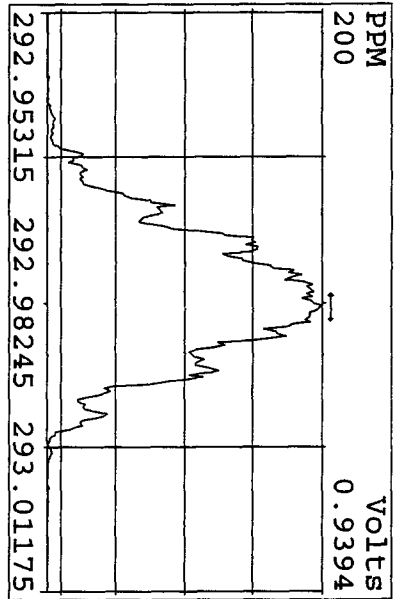
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
23AP10C5D2	1	ST0423B	CS3 10DXN111				1.000	
23AP10C5D2	2	CP0423B	DB-225 CPSM 3732-06				1.000	
23AP10C5D2	3	SB0423C	Solvent Blank C-14				1.000	
23AP10C5D2	4	LXT8H-1-AA	GOD120462-1	20	1613B/WATER	72	1.022	L
23AP10C5D2	5	LX3LD-1-AA	GOD160000-249B (415)	20	1613B/WATER	74	1.000	L
23AP10C5D2	6	LX0EM-1-AA	GOD140502-1	20	1613B/WATER		1.056	L
23AP10C5D2	7	LXP26-1-AA	GOD090419-11	20	1613B/SOLID	70	10.600	g
23AP10C5D2	8	LXP27-1-AA	GOD090419-12	20	1613B/SOLID		10.000	g
23AP10C5D2	9	LX1X4-1-AC	GOD080425-48	20	8290/SOLID	74	10.340	g
23AP10C5D2	10	LXM8R-1-AD	GOD080425-35	20	8290/SOLID		10.170	g
23AP10C5D2	11	SB0423D	Solvent Blank C-14				1.000	
23AP10C5D2	12	SB0423E	Solvent Blank C-14				1.000	
23AP10C5D2	13	ST0423C	CS3 10DXN111				1.000	
23AP10C5D2	14						1.000	
23AP10C5D2	15						1.000	
23AP10C5D2	16						1.000	
23AP10C5D2	17						1.000	
23AP10C5D2	18						1.000	
23AP10C5D2	19		AM 04-23-10				1.000	
23AP10C5D2	20						1.000	

reviewed
by
Ms
4/24/10

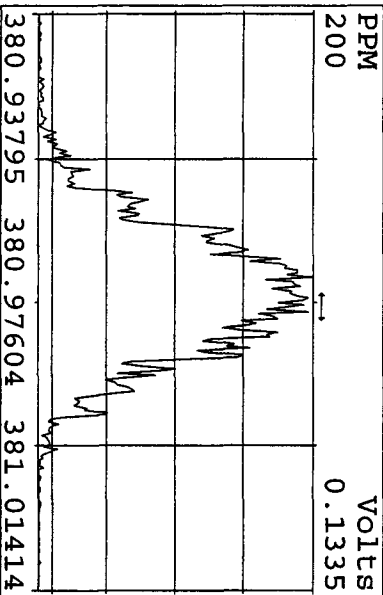
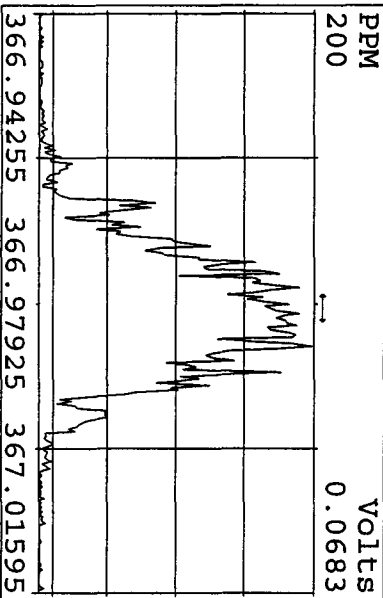
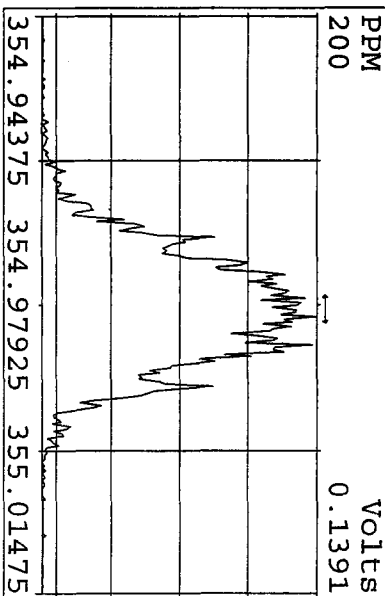
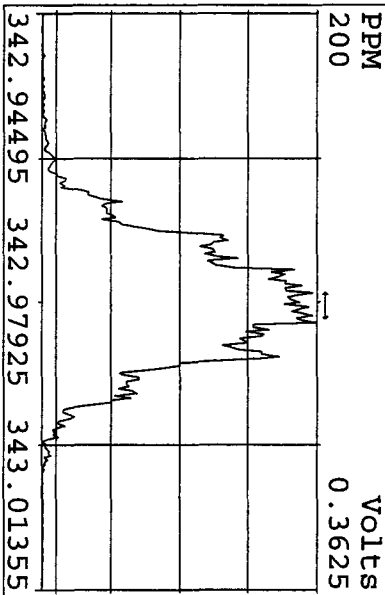
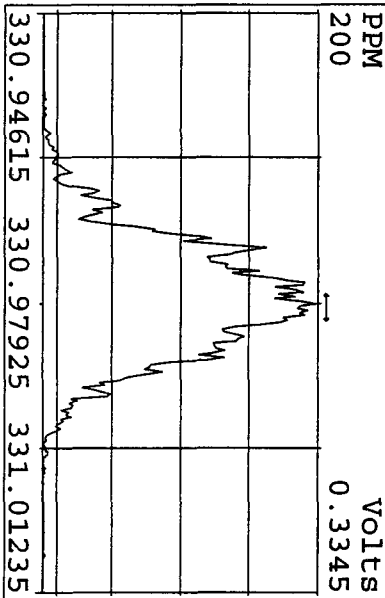
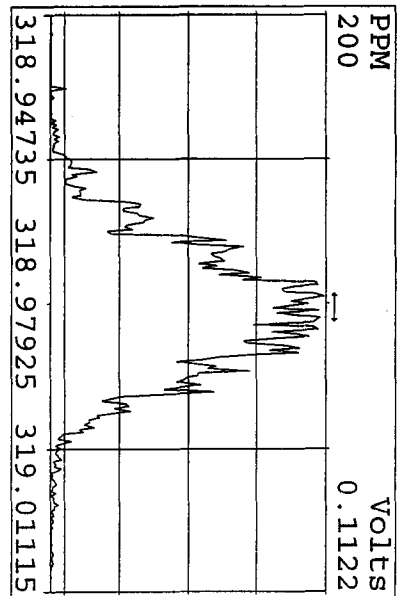
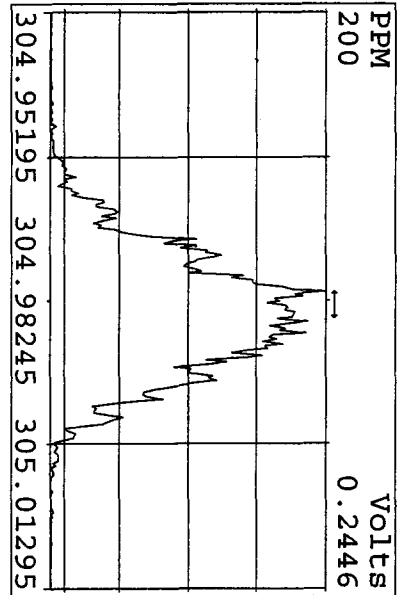
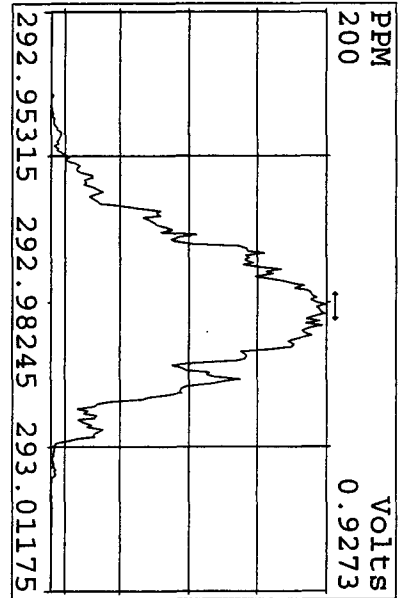
Peak Locate Examination: 23-APR-2010:20:43 File: 23API10C5D2
 Experiment: DB225 Function: 1 Reference: PFK



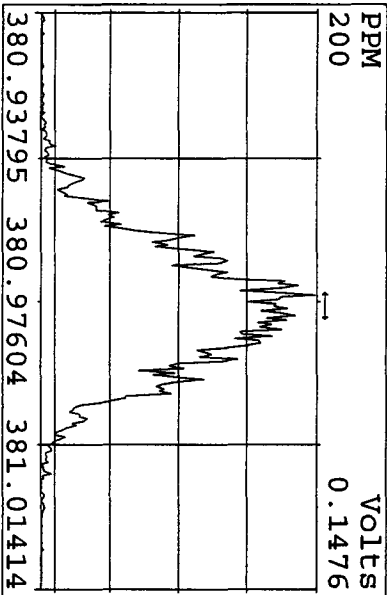
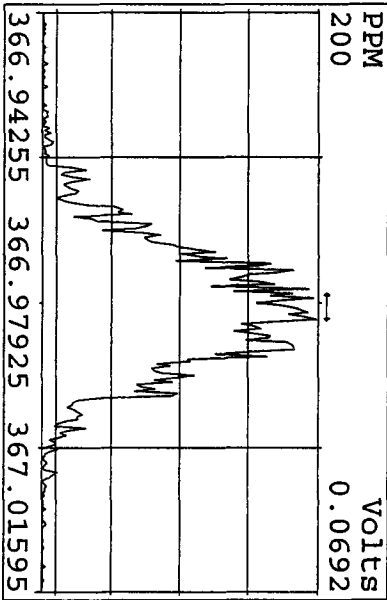
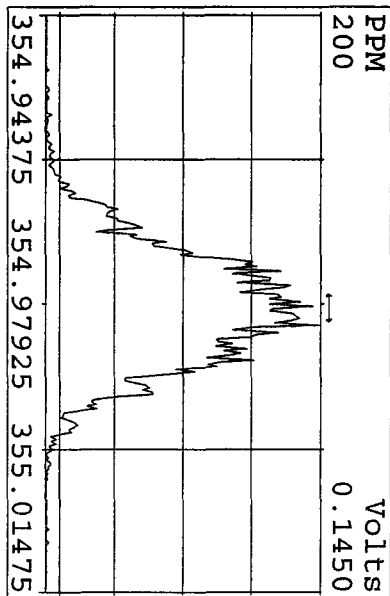
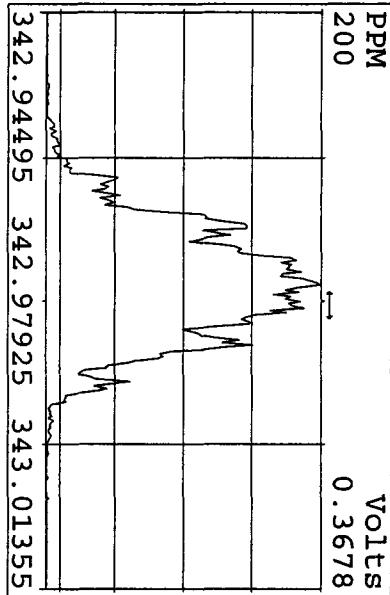
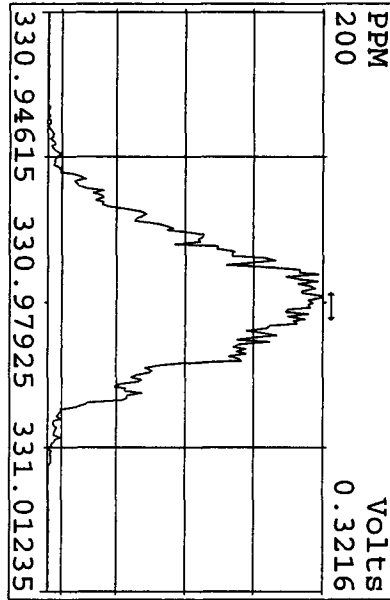
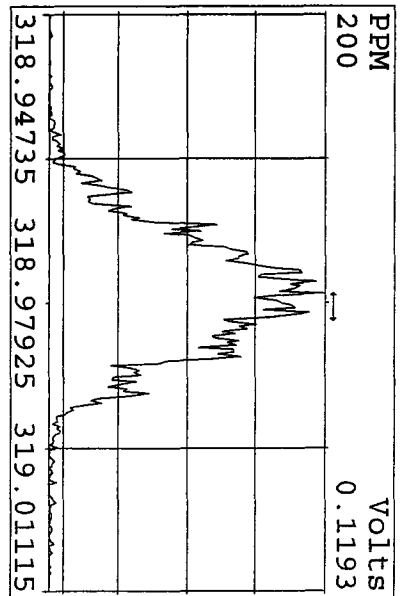
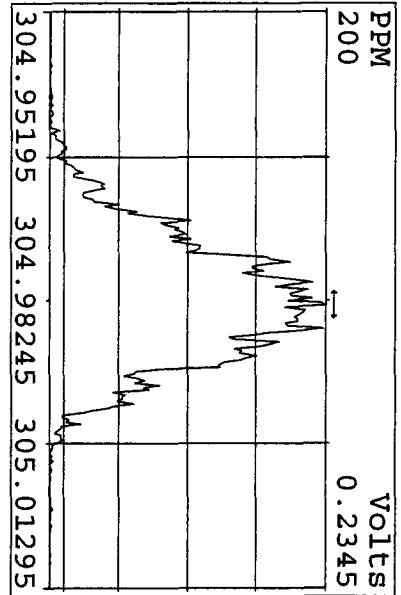
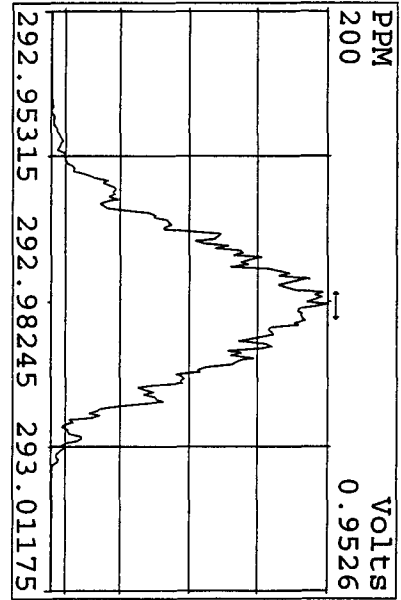
Peak Locate Examination: 24-APR-2010: 07:06 File: RESCHECK5D2
 Experiment: DB225 Function: 1 Reference: PRK



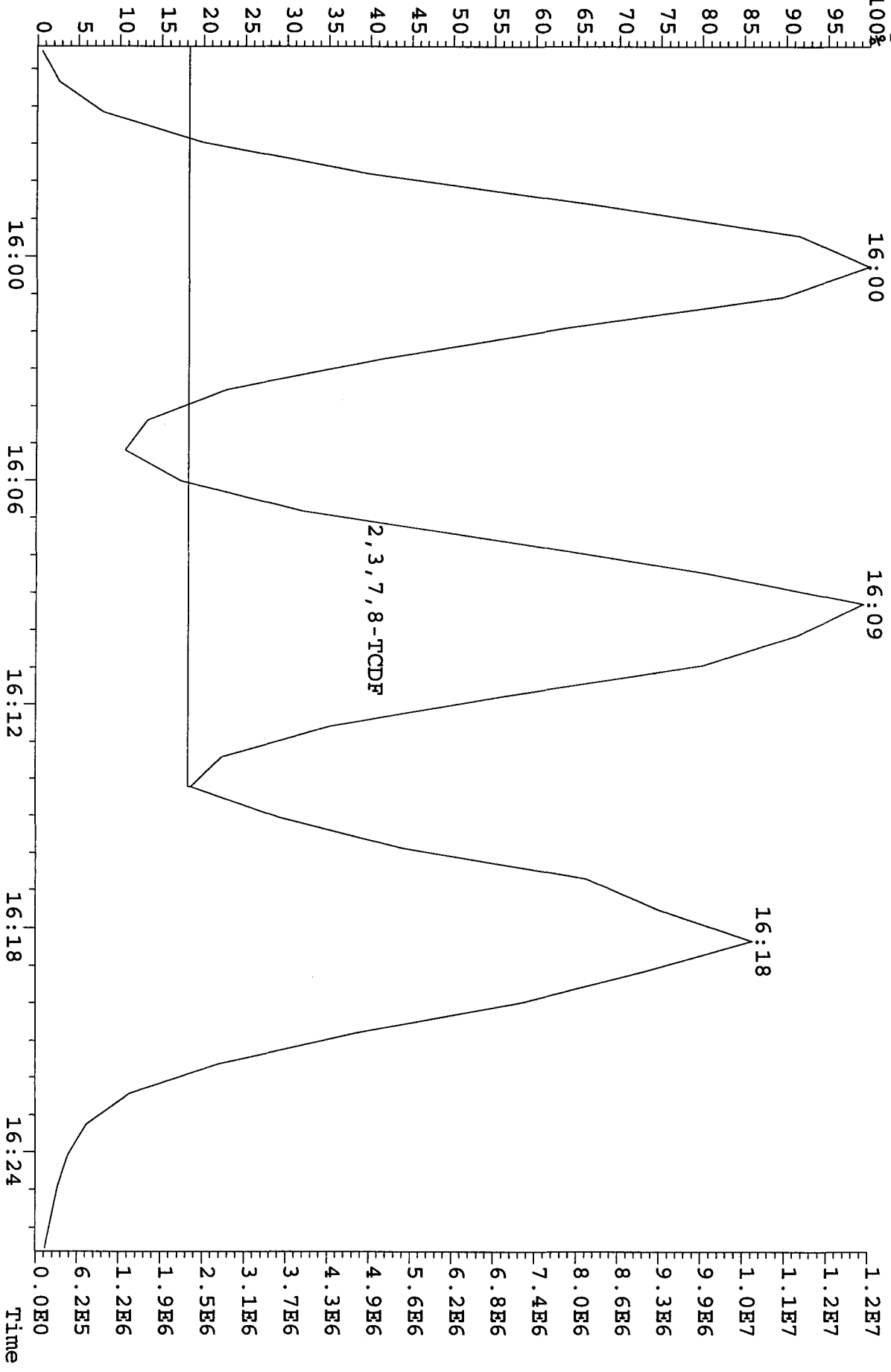
Peak Locate Examination: 24-APR-2010: 07:07 File: RESCHECK5D2
 Experiment: DB225 Function: 1 Reference: PFK



Peak Locate Examination: 24-APR-2010: 07:07 File: RESCHECK5D2
 Experiment: DB225 Function: 1 Reference: PFK



File: 23API10C5D2 #1-1242 Acq: 23-APR-2010 21:22:08 GC FI+ Voltage SIR 70SE
 305.8987 S:2 Exp: DB225
 Sample Text: CP0423B : DB-225 CPSM 3732-06

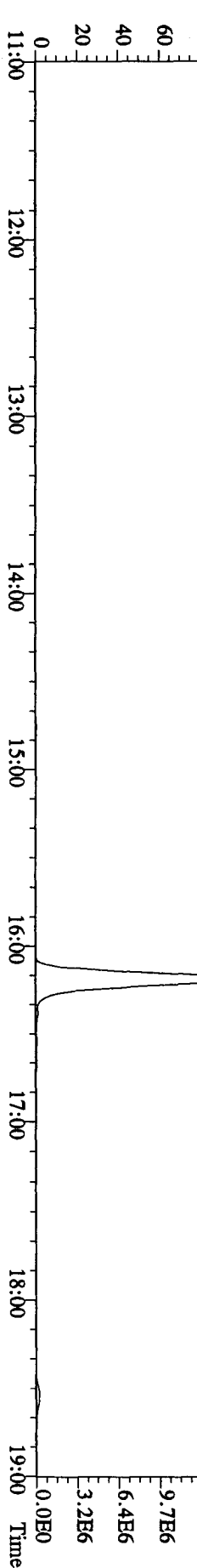
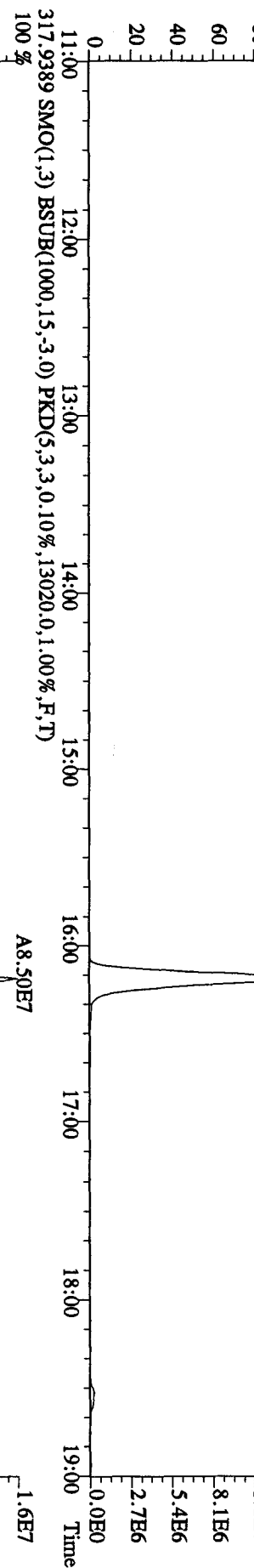
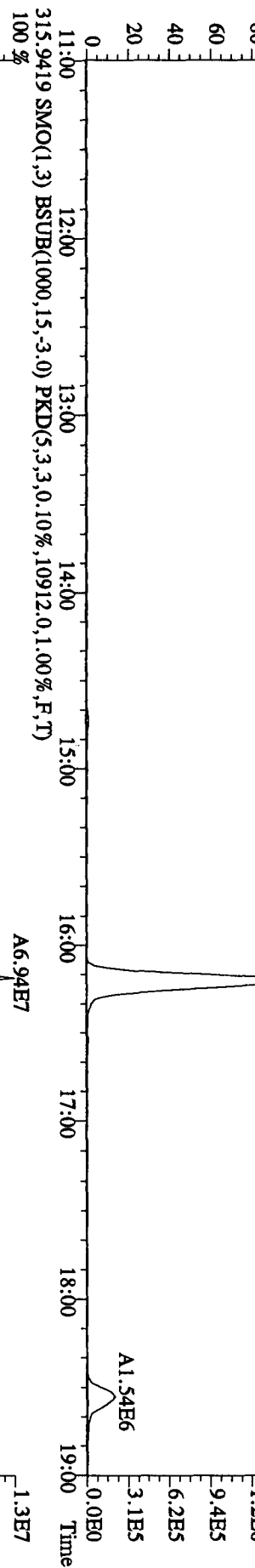
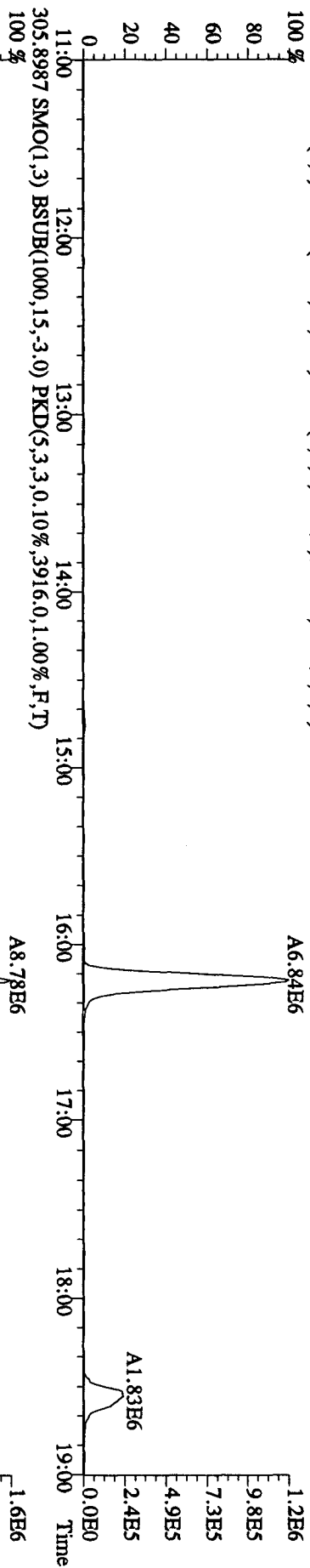


Run: 21API05D2 Analyte: DB225 Cal: DB2250421105D2

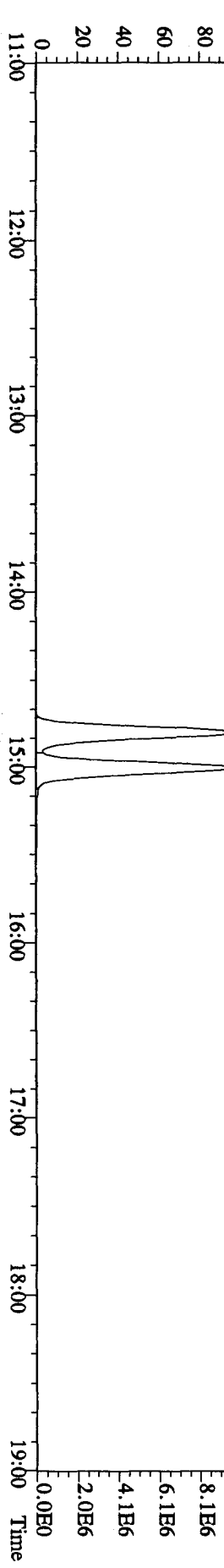
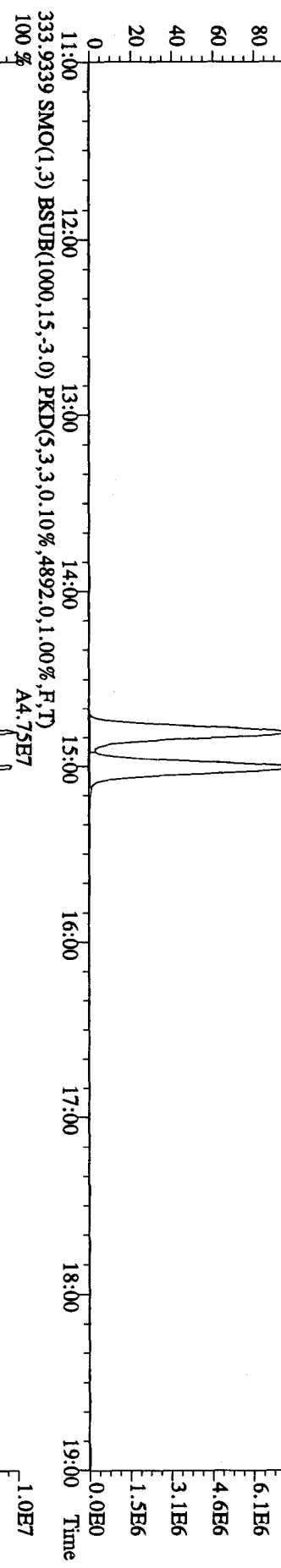
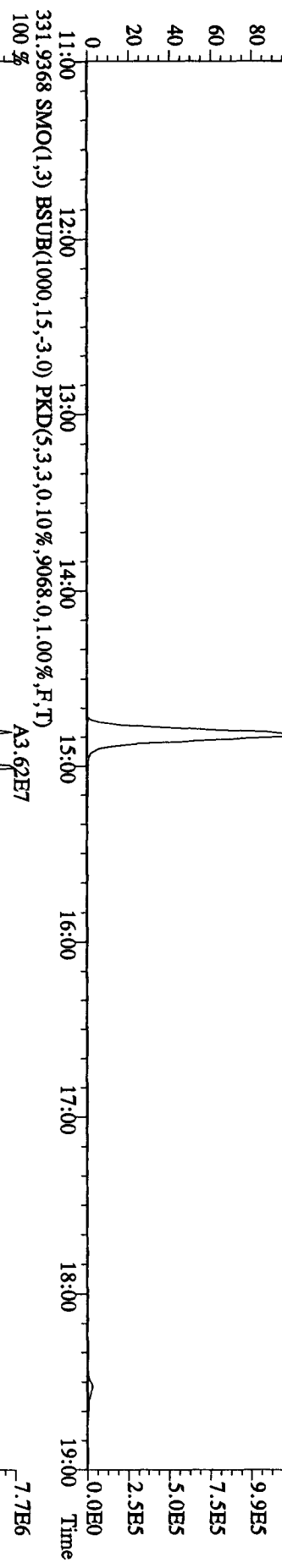
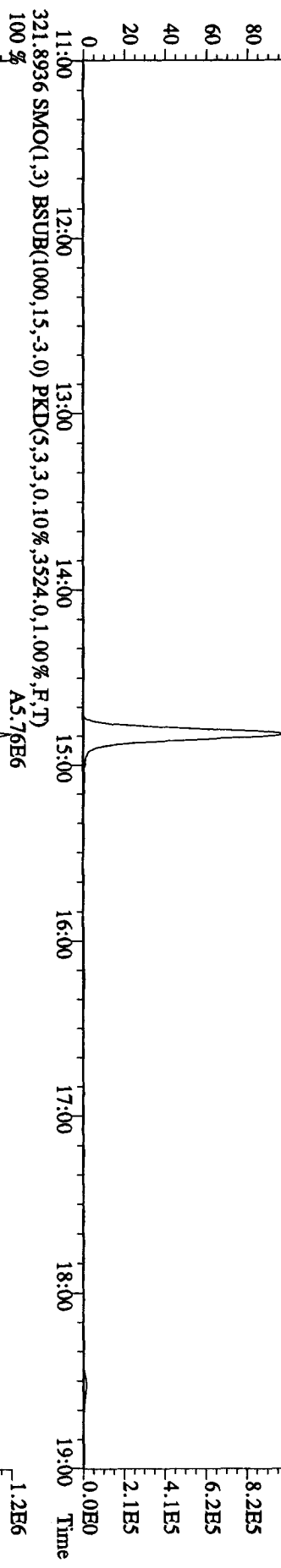
ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
 ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

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

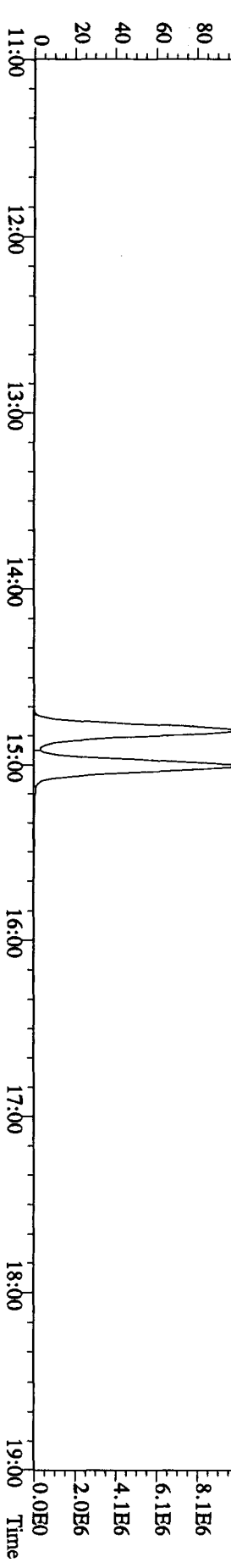
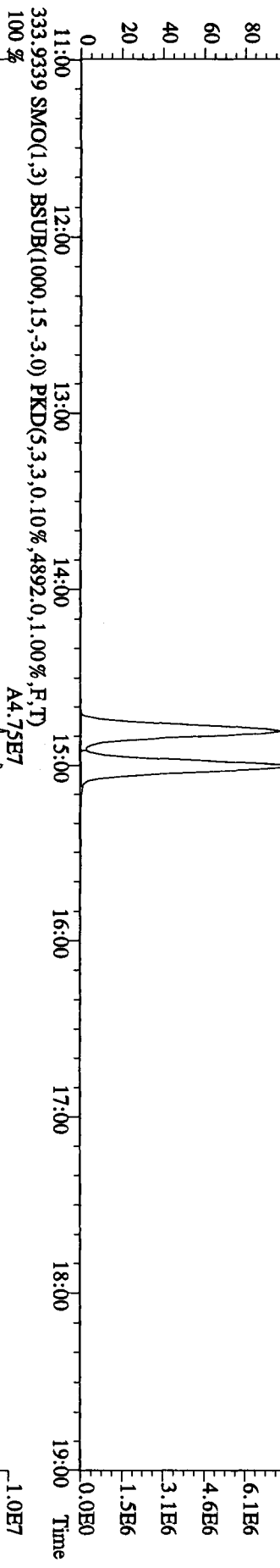
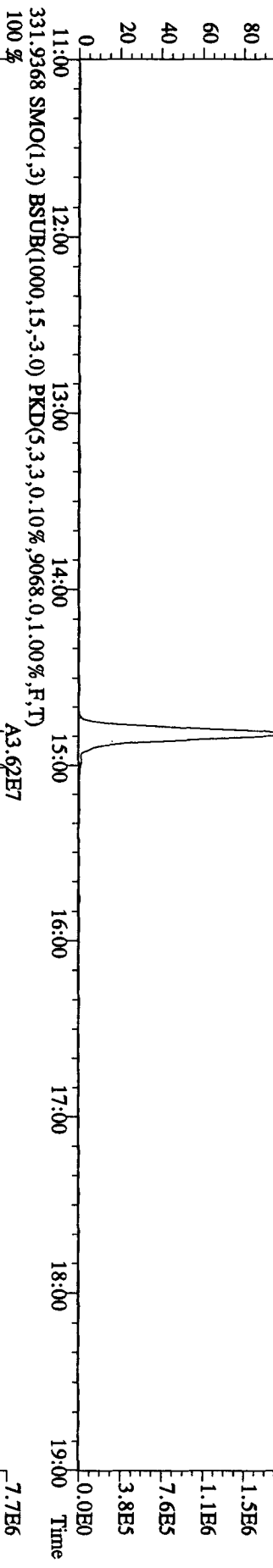
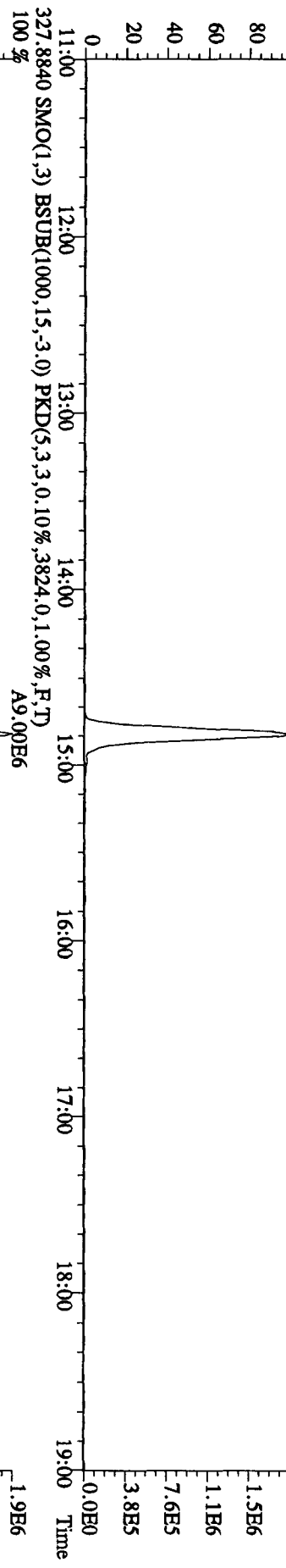
File: 23AP10C5D2 #1-1242 Acq: 23-APR-2010 20:45:05 GC EI + Voltage SIR 70SB
 Sample# 1 Text: ST0423B :CS3 10DXN111 Exp: DB225
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2736,0,1.00%,F,T)
 100%



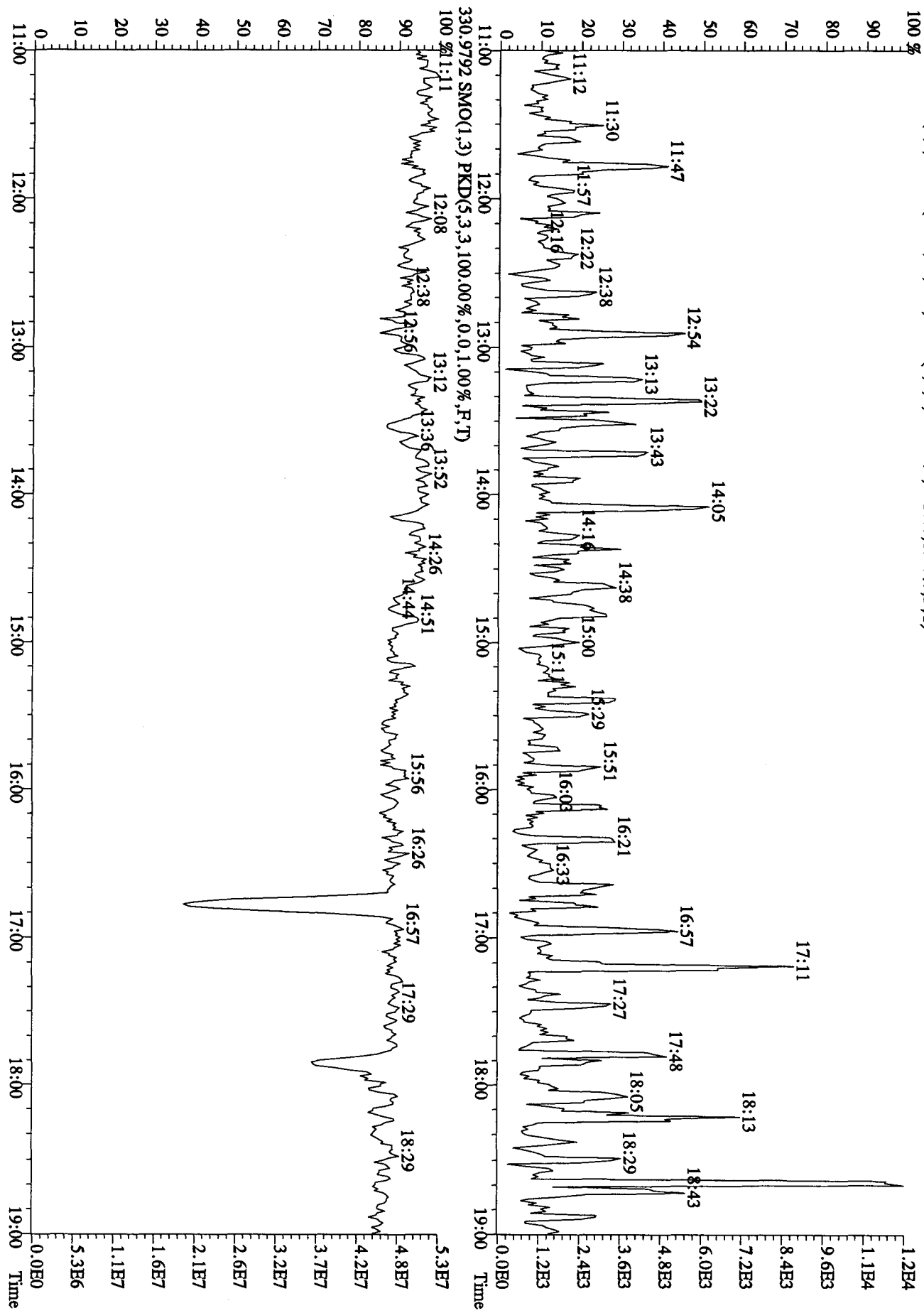
File:23AP100C5D2 #1-1242 Acq:23-APR-2010 20:45:05 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0423B :CS3 10DXN111 Exp:DB225
 319.8965 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2448,0,1,00%,F,T)
 100% A4.67E6



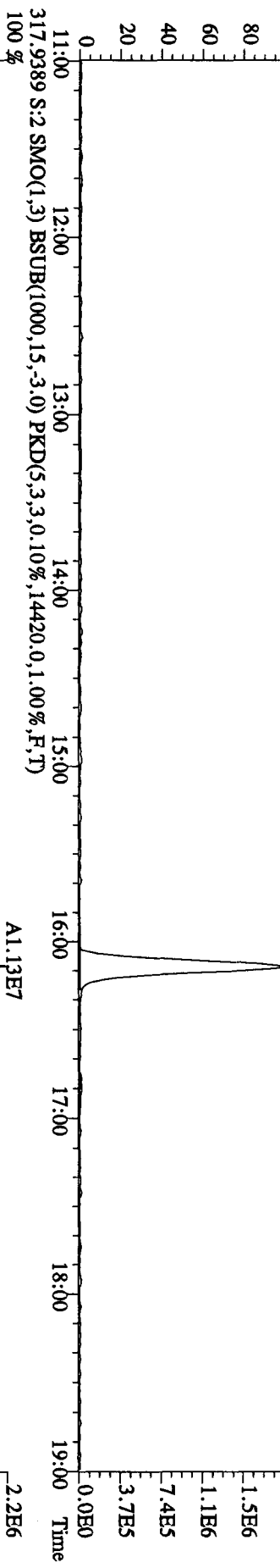
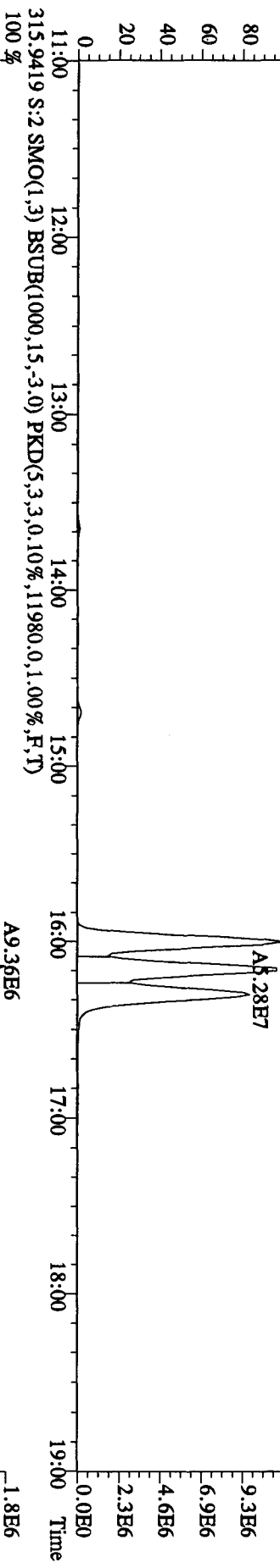
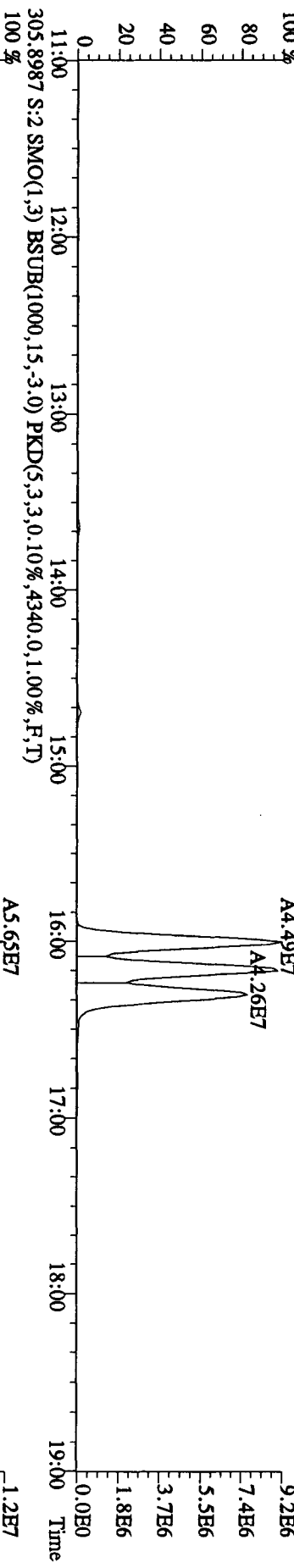
File:23AP10CSD2 #1-1242 Acq:23-APR-2010 20:45:05 GC EI+ Voltage SIR 705E
 Sample#1 Text:ST0423B :CS3 10DXN111 Exp:DB225
 327.8840 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3824,0,1.00%,F,T) A9.00E6



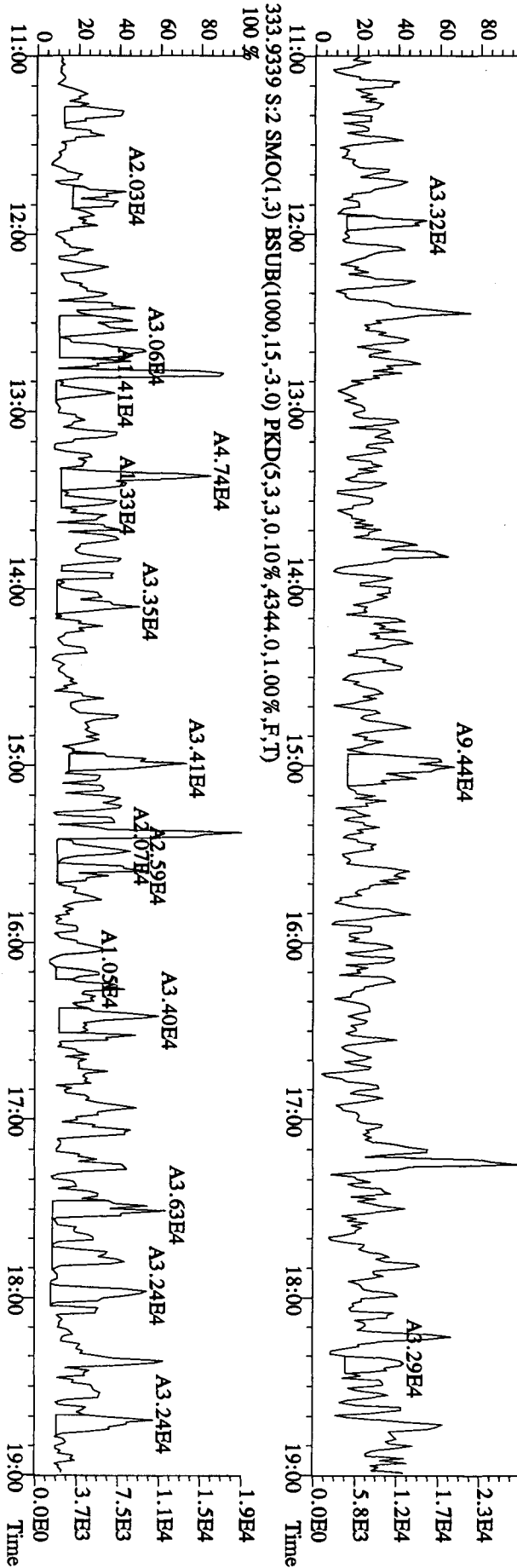
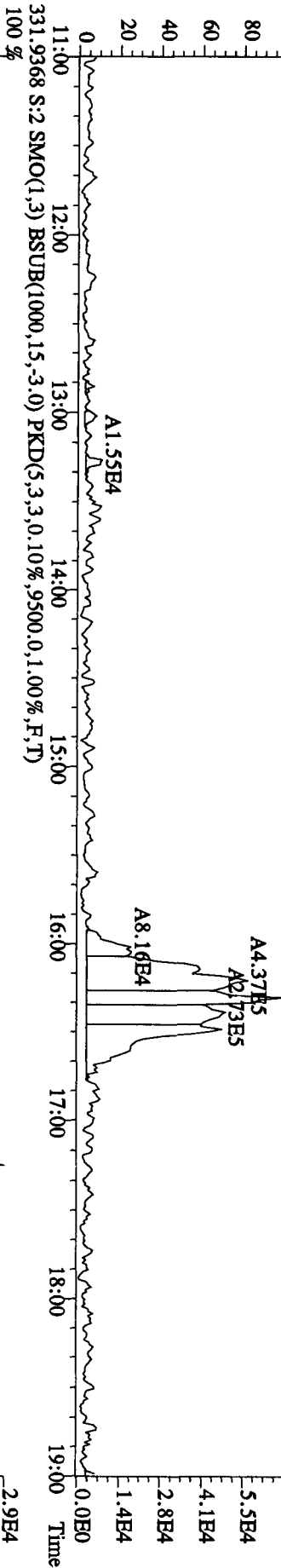
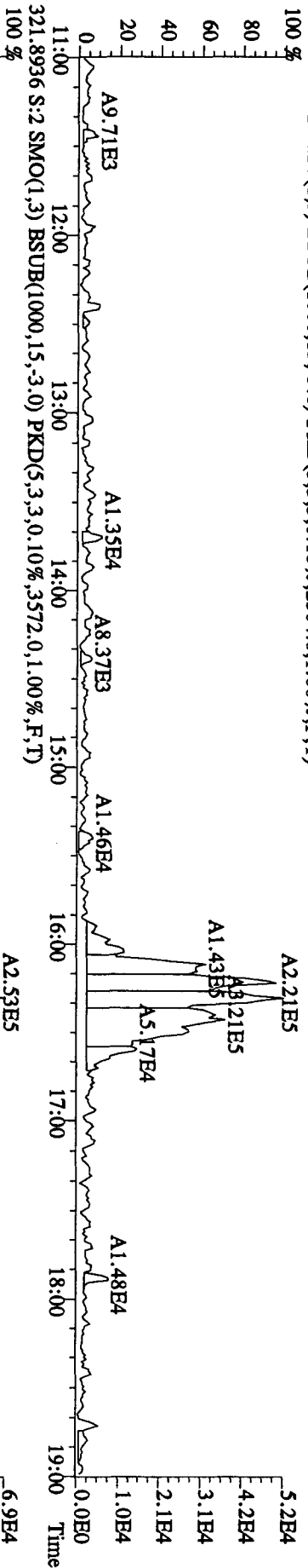
File: 23AP10C5D2 #1-1242 Acq: 23-APR-2010 20:45:05 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0423B :CS3 10DXN111 Exp: DB225
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1.528,0.1,1.00%,F,T)



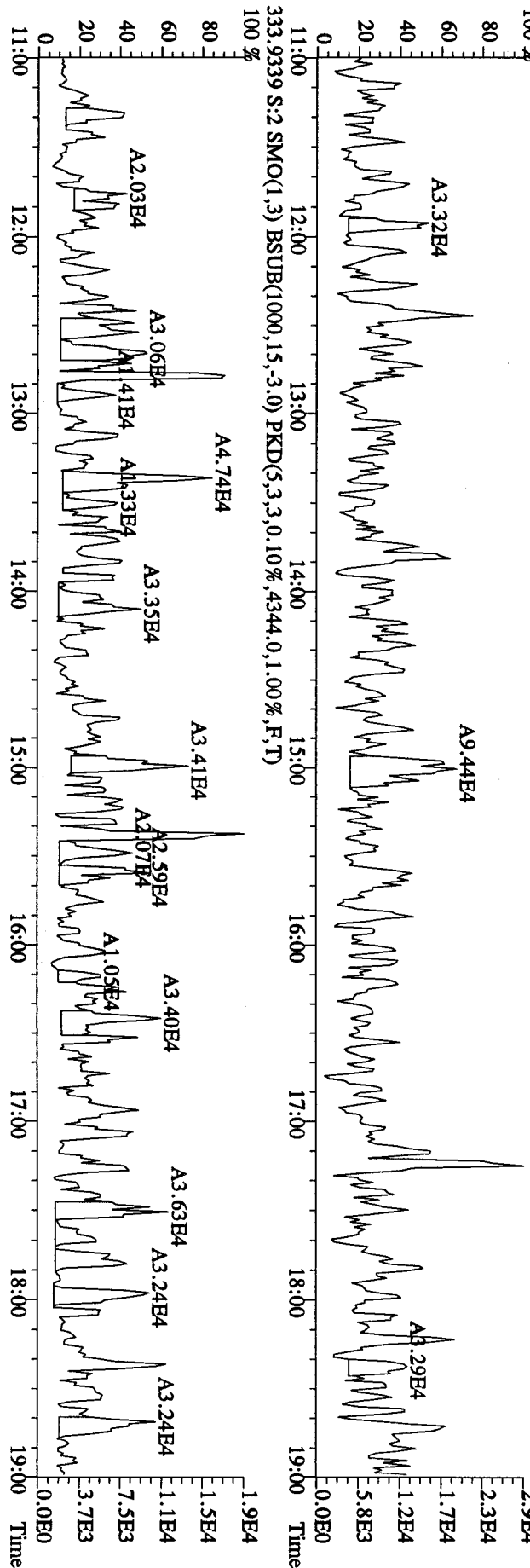
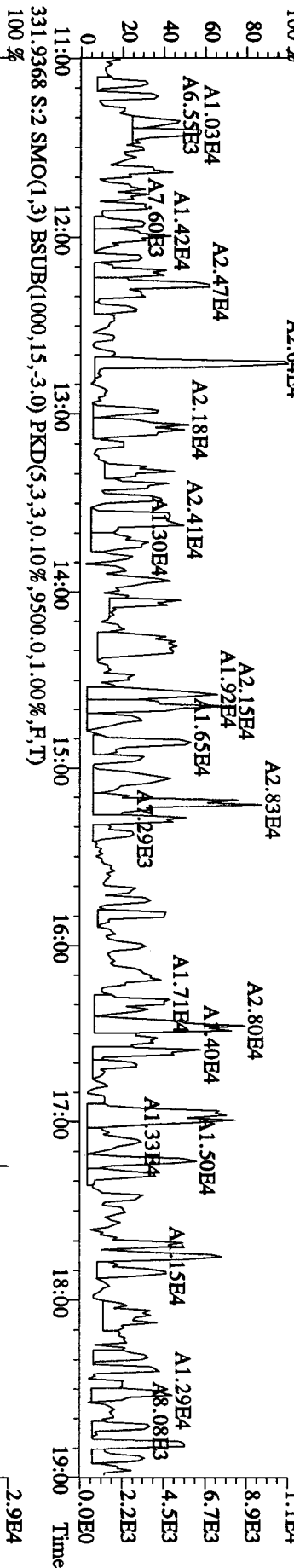
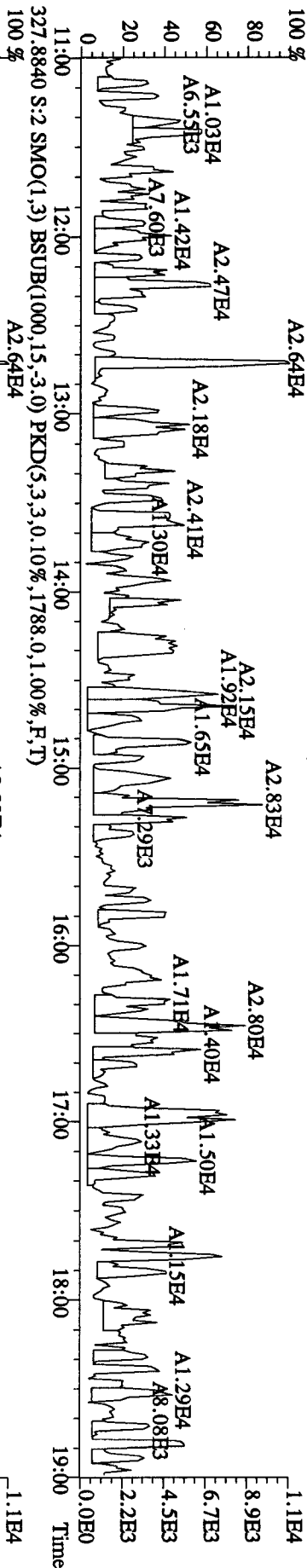
File: 23AP10CSD2 #1-1242 Acq: 23-APR-2010 21:22:08 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0423B :DB-225 CP5M 3732-06 Exp: DB225
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056.0,1.00%,F,T)



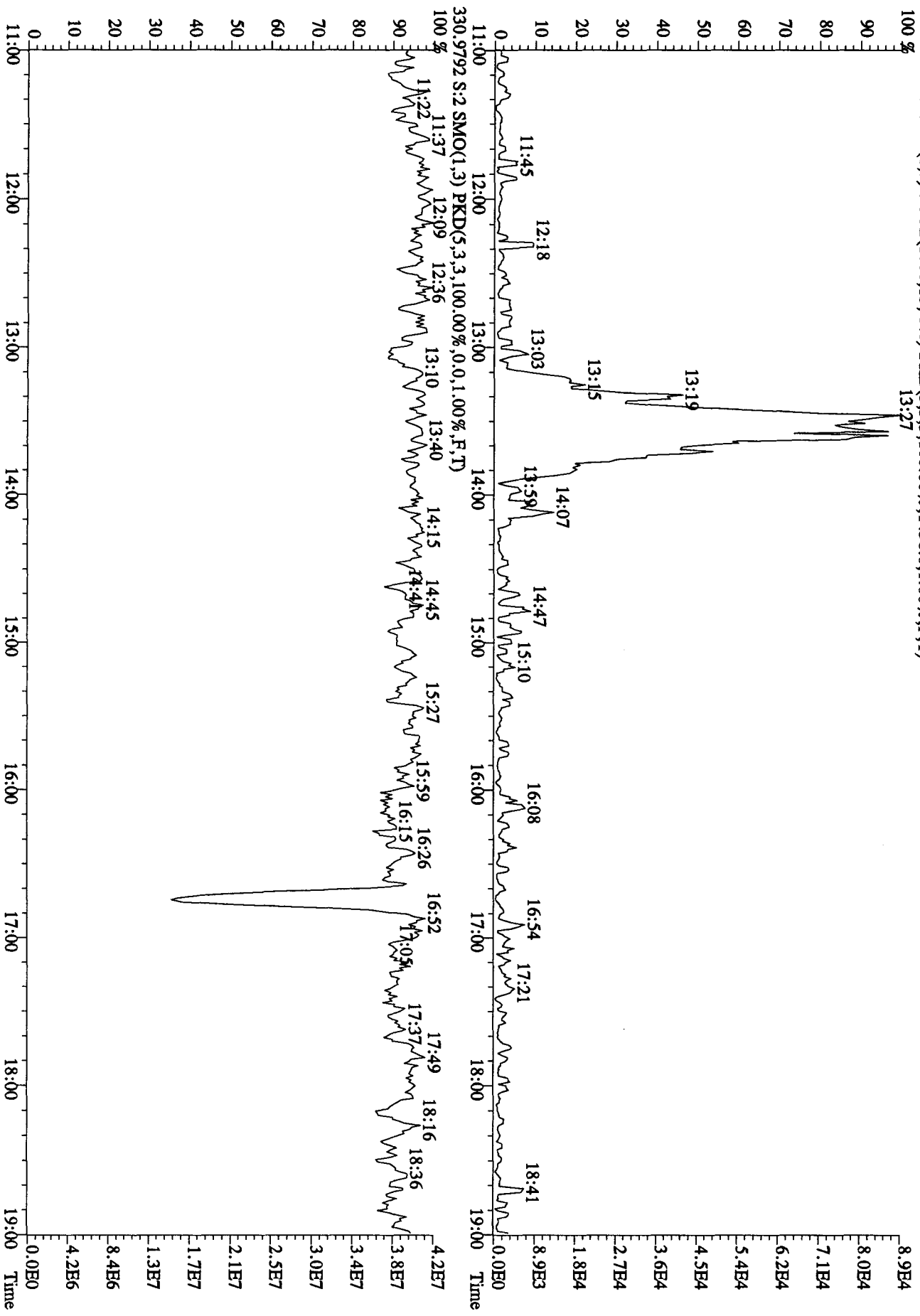
File:23AP10C5D2 #1-1242 Acq:23-APR-2010 21:22:08 GC EI + Voltage SIR 70SE
 Sample#2 Text:CP0423B :DB-225 CP5M 3732-06 Exp:DB225
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2504,0,1.00%,F,T)



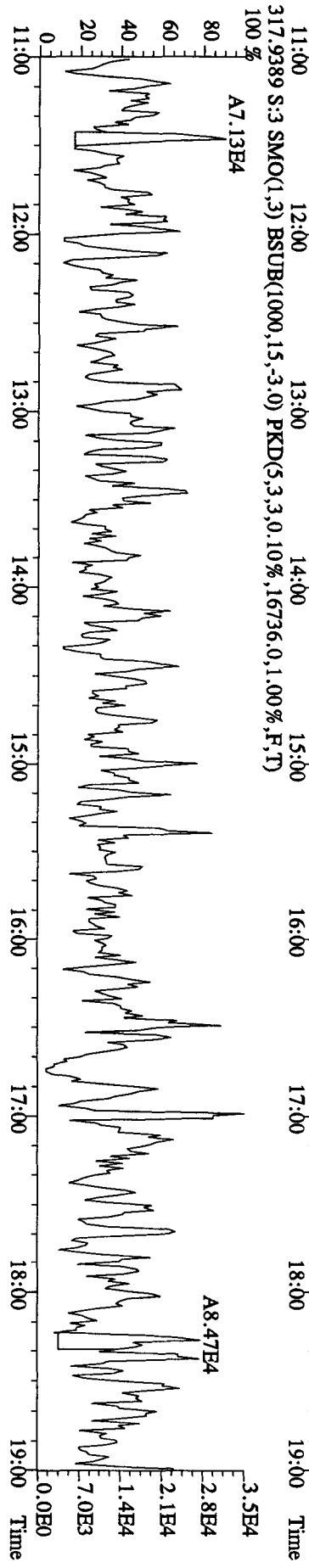
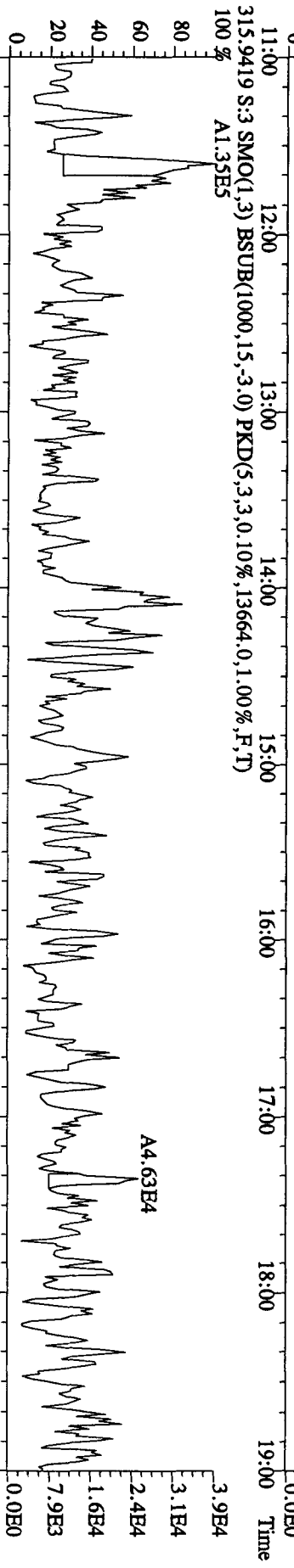
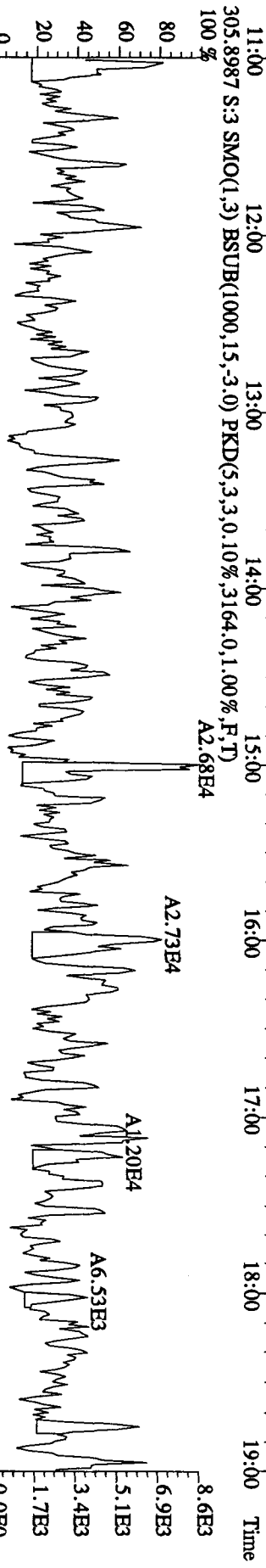
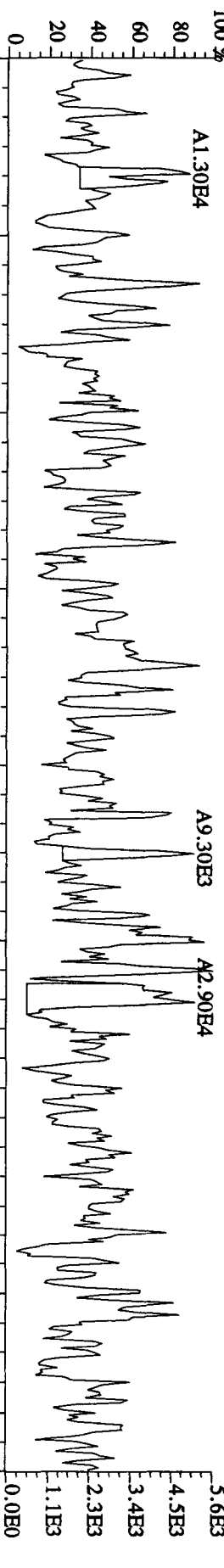
File:23AP10C5D2 #1-1242 Acq:23-APR-2010 21:22:08 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0423B :DB-225 CP5M 3732-06 Exp:DB225
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788,0,1.00%,F,T)



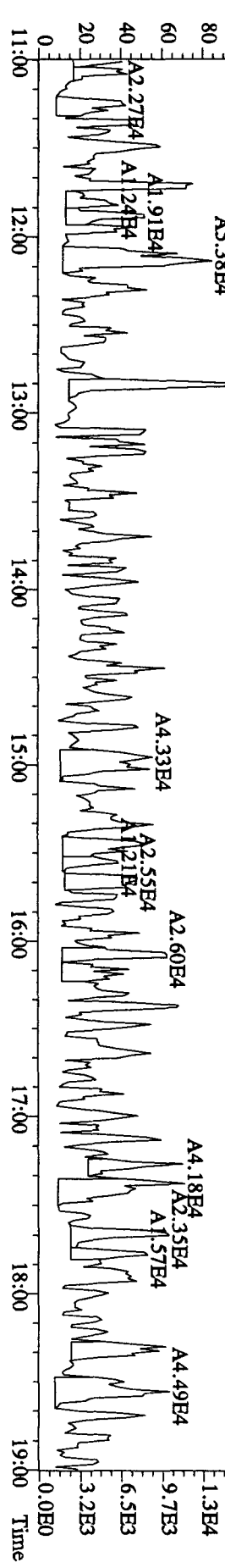
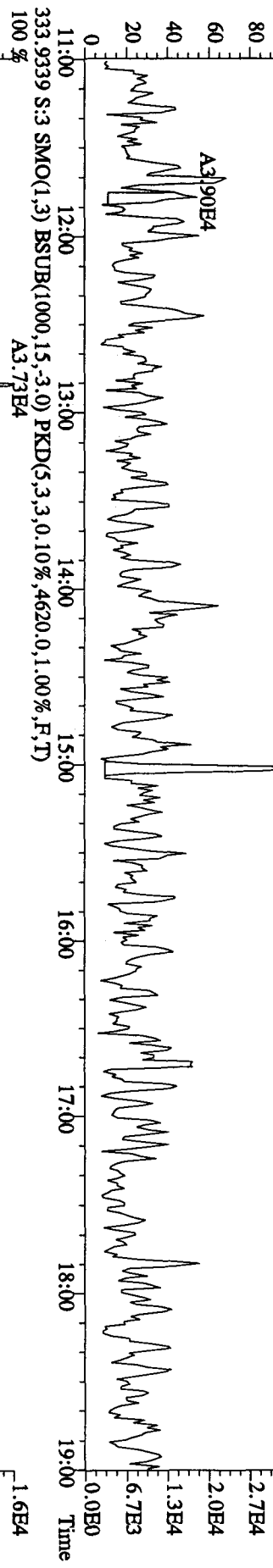
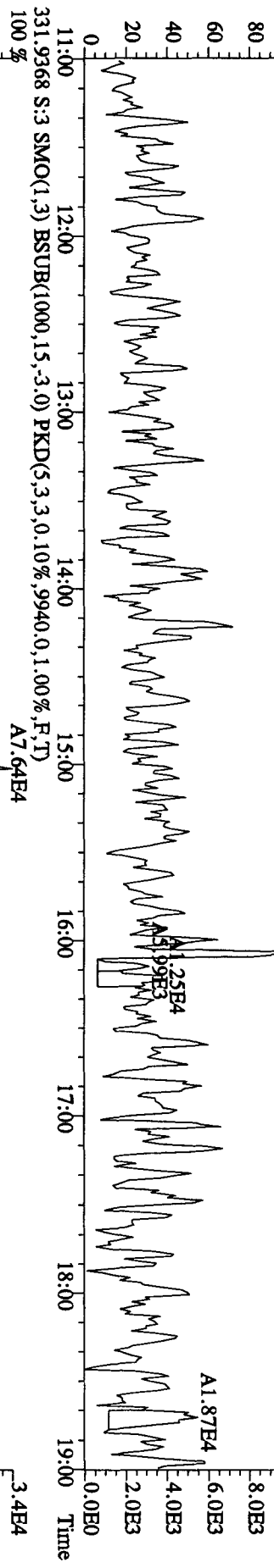
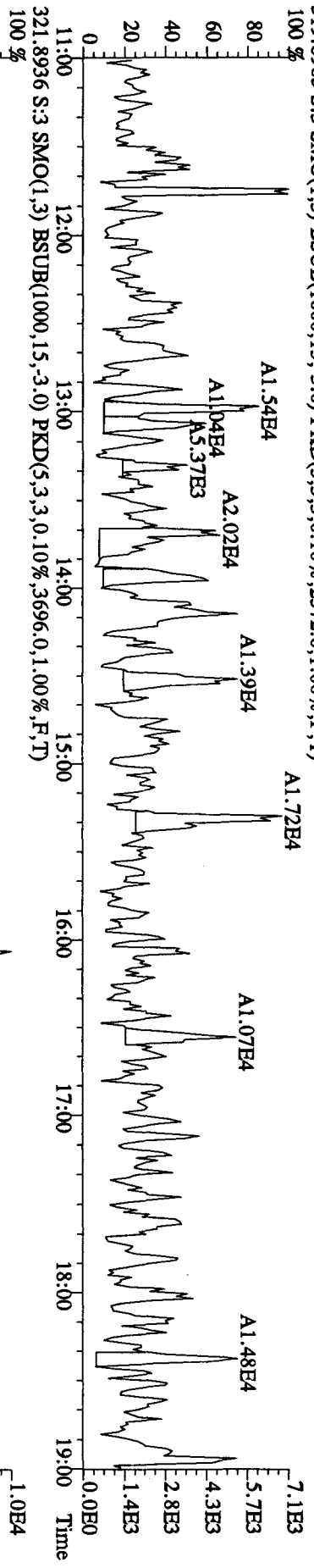
File: 23AP10CSD2 #1-1242 Acq: 23-APR-2010 21:22:08 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0423B :DB-225 CP5M 3732-06 Exp: DB225
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1436,0,1.00%,F,T)



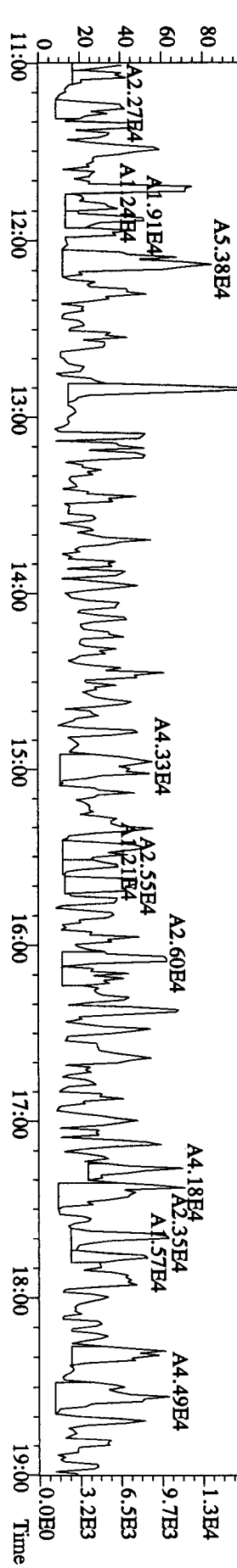
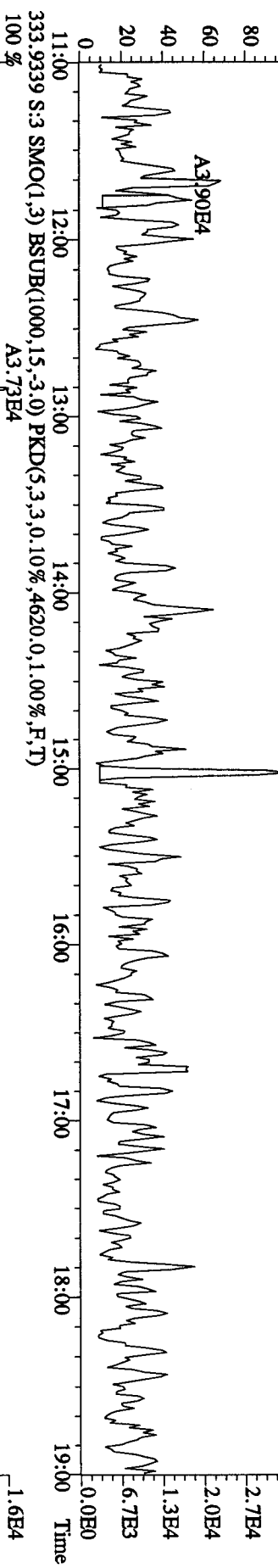
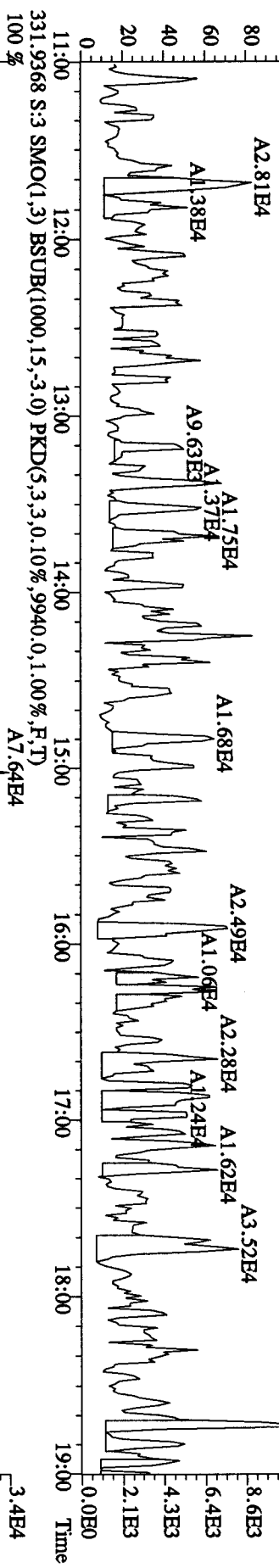
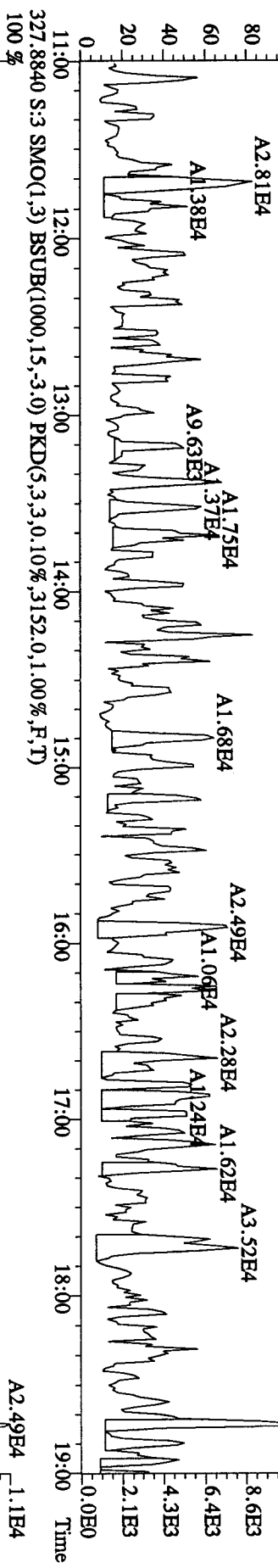
File:23API0C5D2 #1-1242 Acq:23-APR-2010 21:59:10 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0423C :Solvent Blank C-14 Exp:DB225
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2892.0,1.00%,F,T)



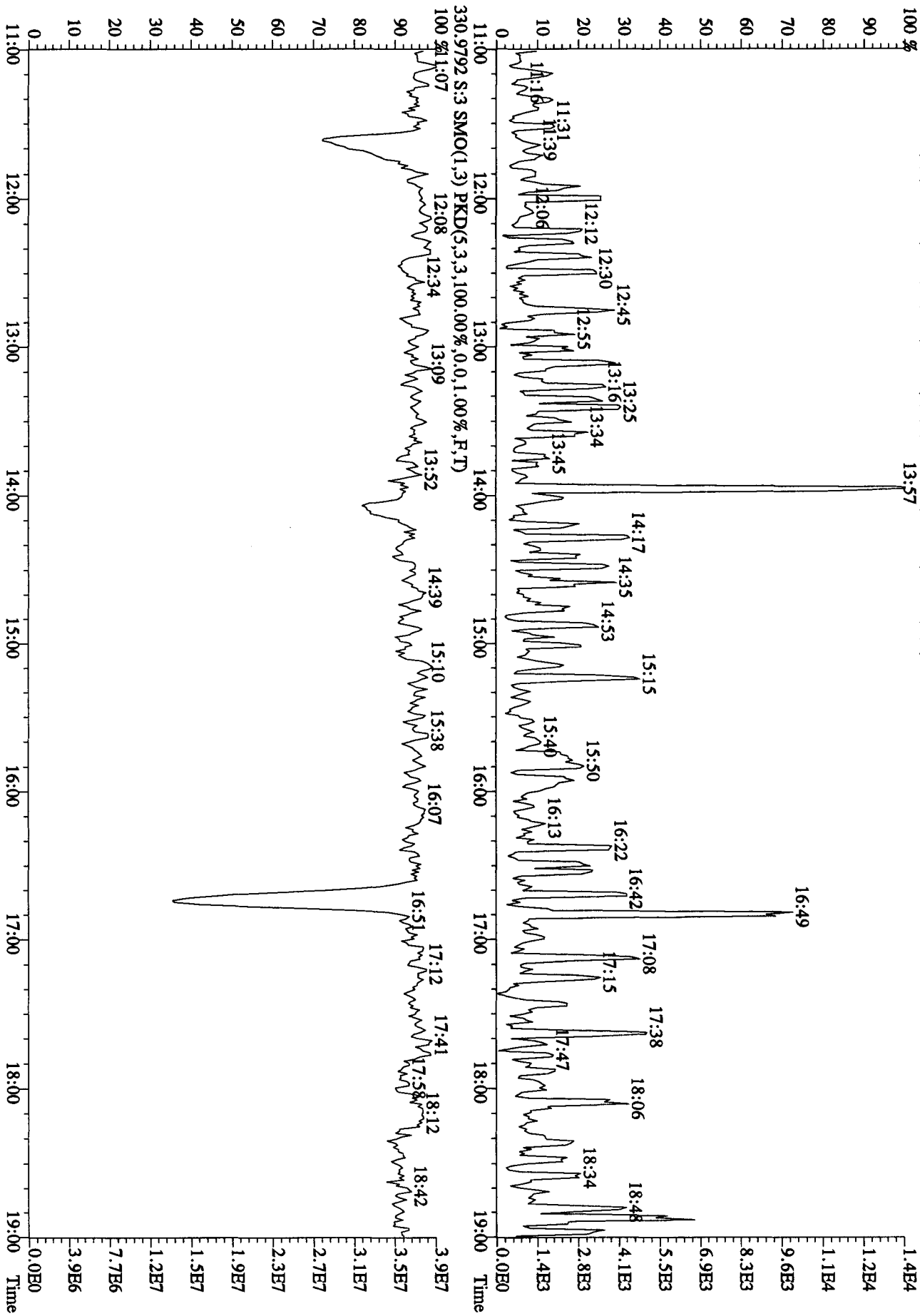
File:23AP10C5D2 #1-1242 Acq:23-APR-2010 21:59:10 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0423C :Solvent Blank C-14 Exp:DB225
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2372.0,1.00%,F,T)



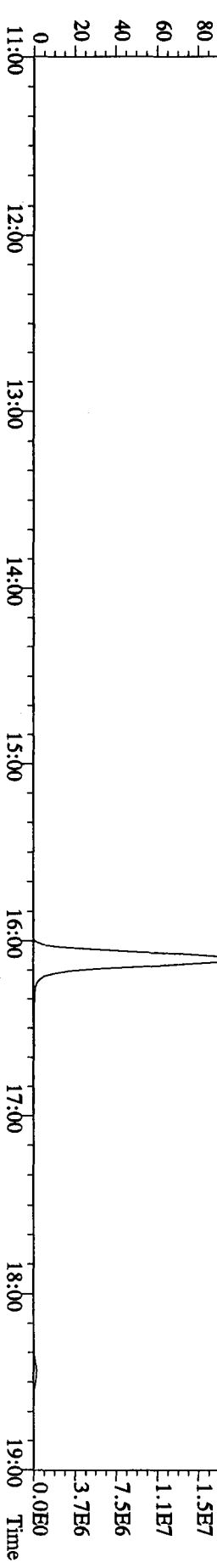
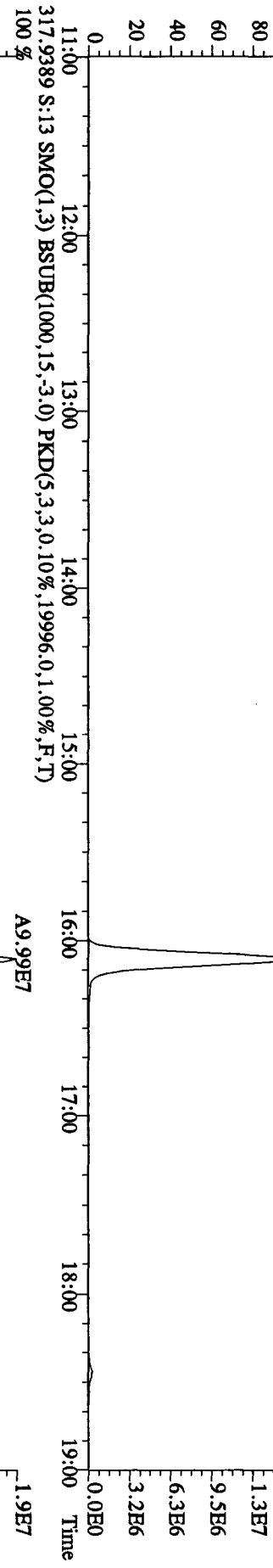
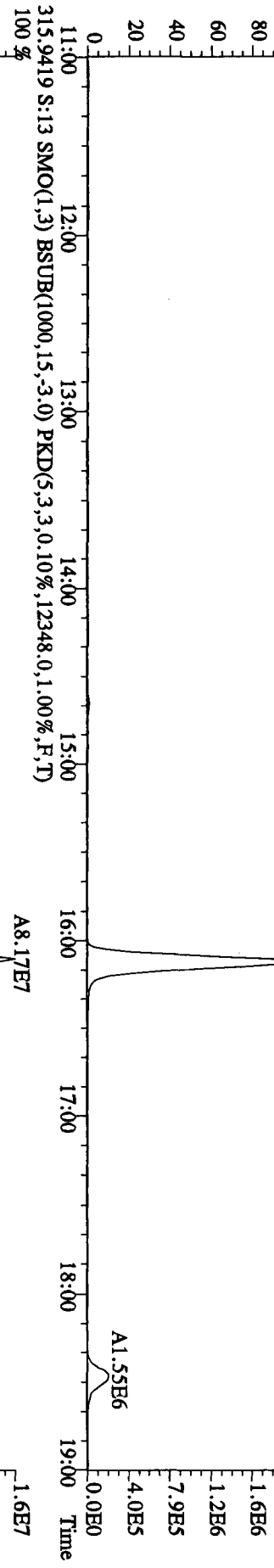
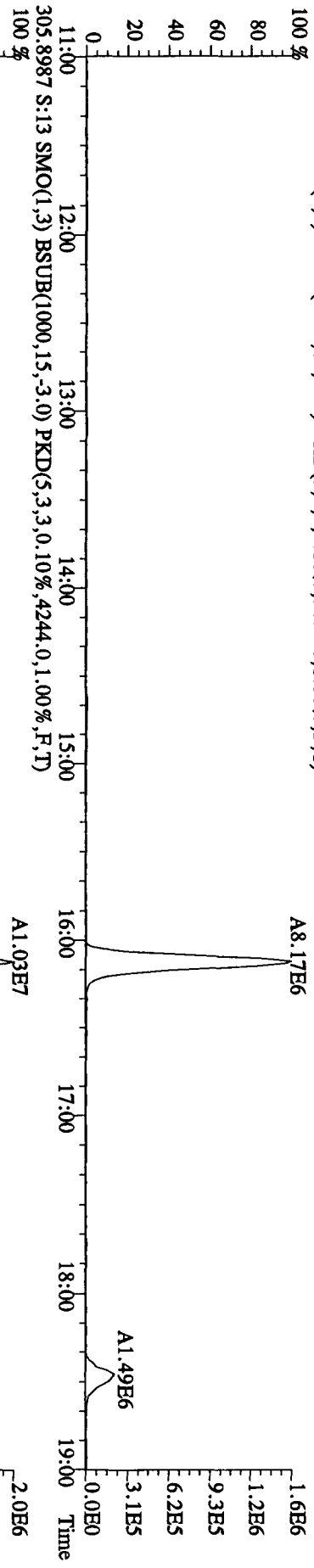
File:23ADP10C5D2 #1-1242 Acq:23-APR-2010 21:59:10 GC HI+ Voltage SIR 70SB
 Sample#3 Text:SB0423C :Solvent Blank C-14 Exp:DB225
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3152.0,1.00%,F,T)
 100 %



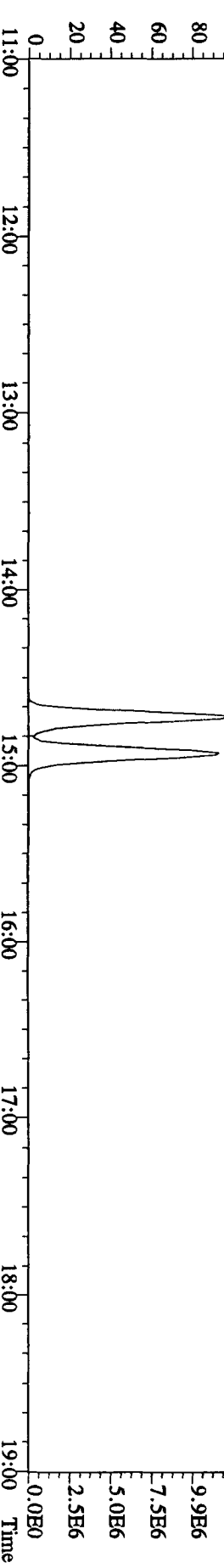
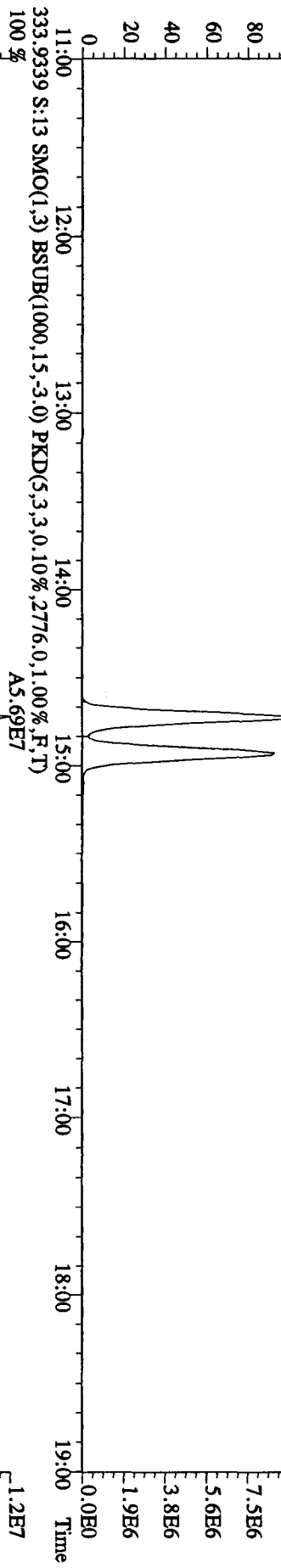
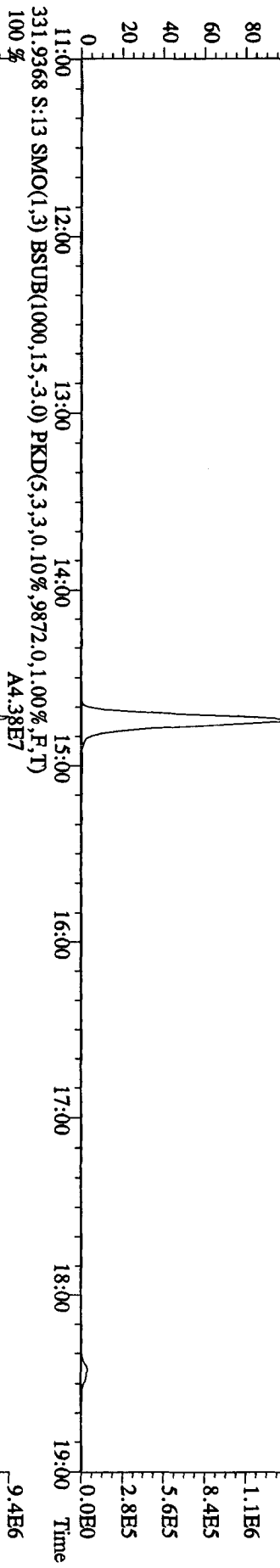
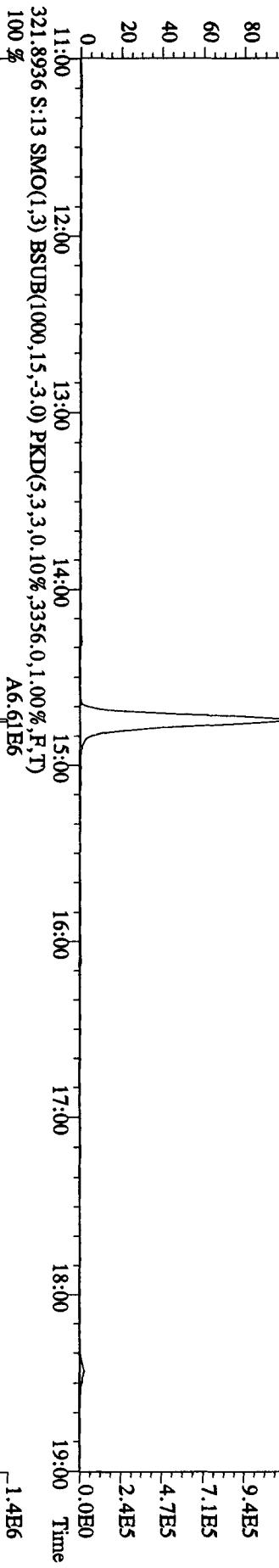
File: 23AP10CSD2 #1-1242 Acq: 23-APR-2010 21:59:10 GC EI+ Voltage SIR 70SE
 Sample#3 Text: SB0423C :Solvent Blank C-14 Exp: DB225
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1280,0,1.00%,F,T)
 100 %



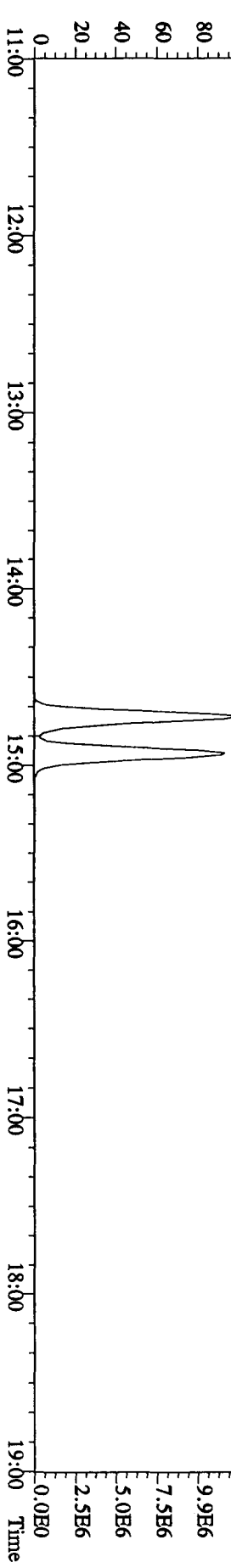
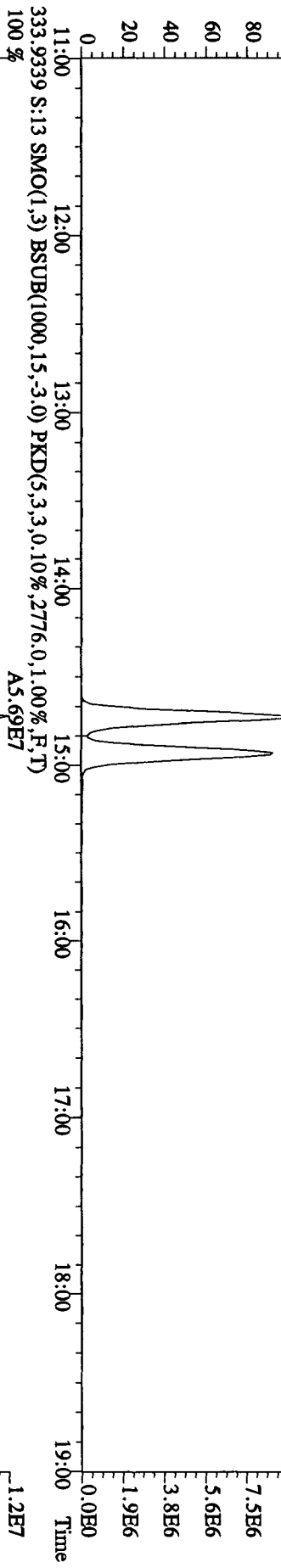
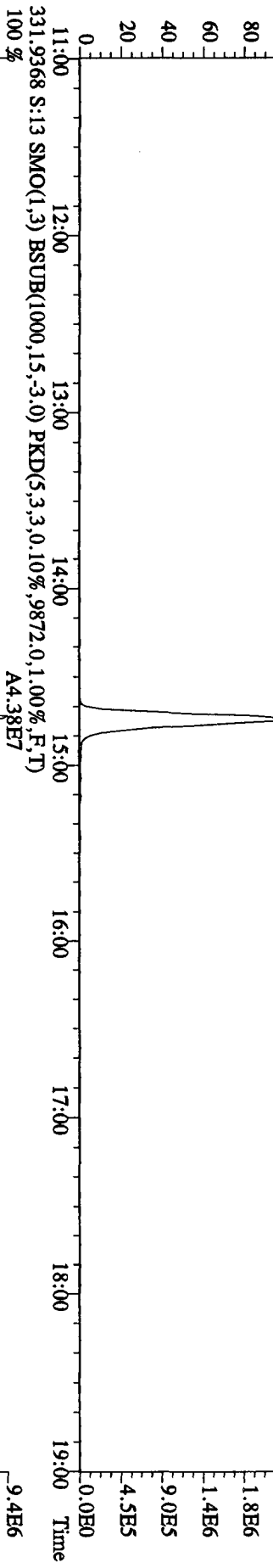
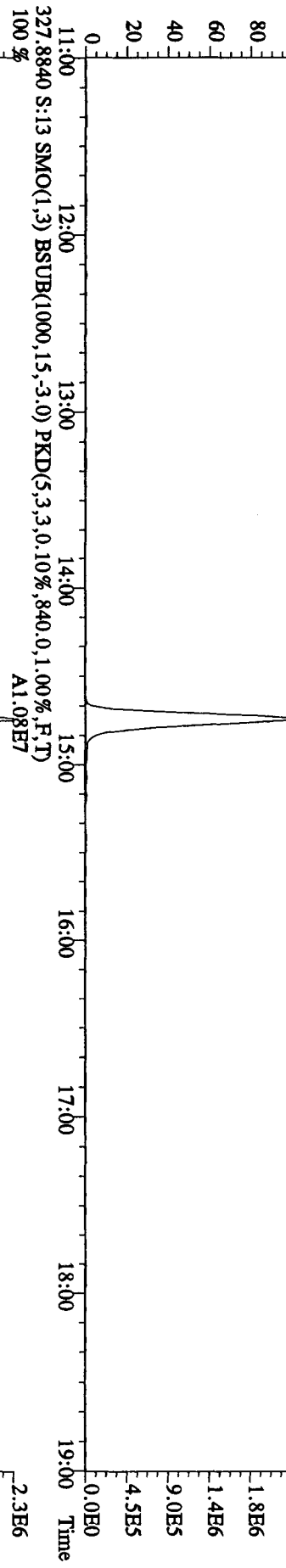
File: 23API10C5D2 #1-1242 Acq: 24-APR-2010 04:09:45 GC EI+ Voltage SIR 70SE
 Sample#13 Text: ST0423C :CS3 10DXN111 Exp: DB225
 305.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056,0,1.00%,F,T) 100%



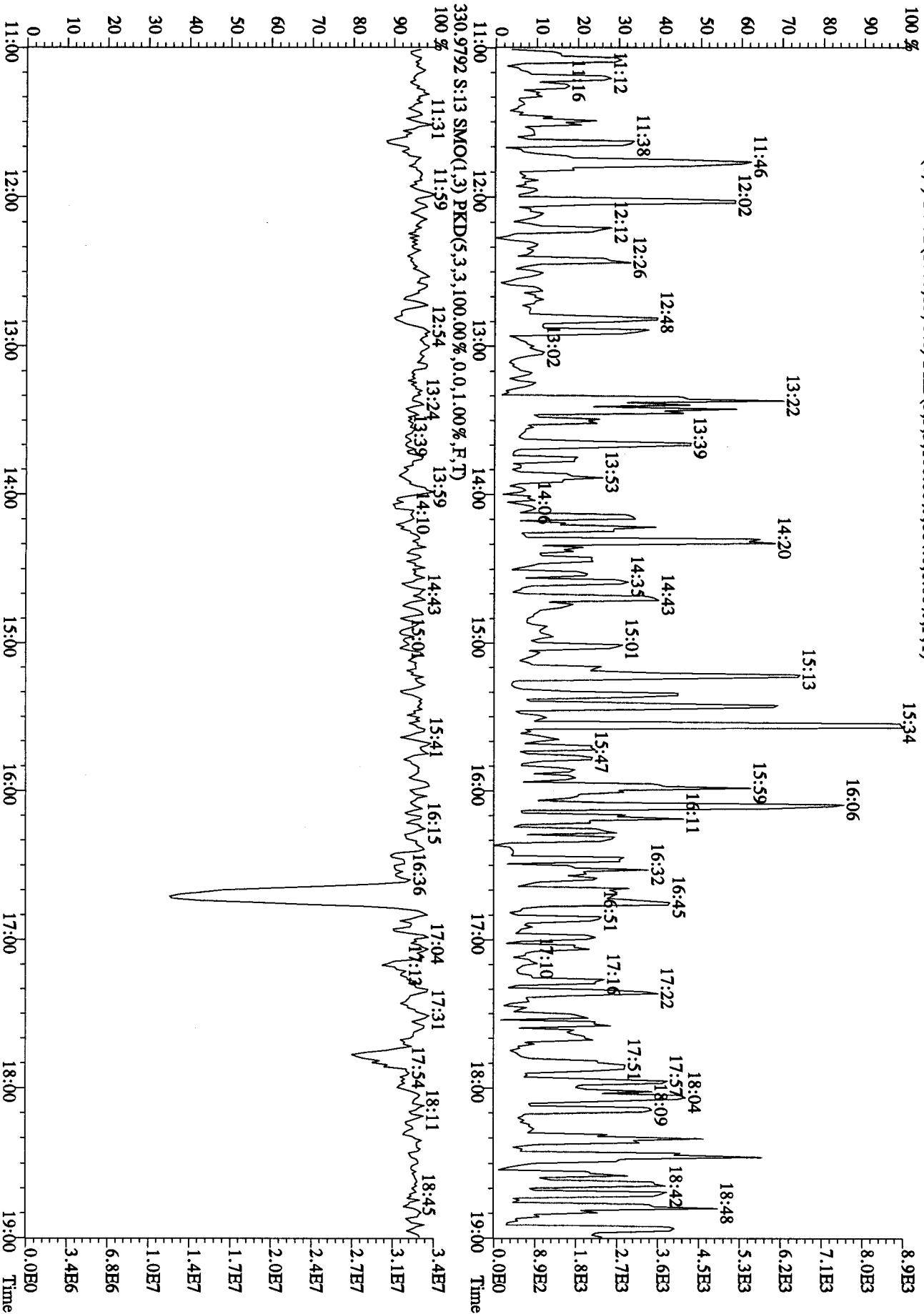
File:23AP10CSD2 #1-1242 Acq:24-APR-2010 04:09:45 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0423C :CS3 10DXN111 Exp:DB225
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2260,0,1.00%,F,T) 100% A5.60E6



File:23AP10CSD2 #1-1242 Acq:24-APR-2010 04:09:45 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0423C :CS3 10DXN111 Exp:DB225
 327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,840,0,1,00%,F,T)
 100 % A1.08E7



File: 23AP10C5D2 #1-1242 Acq: 24-APR-2010 04:09:45 GC EI+ Voltage SIR 70SE
 Sample#13 Text: ST0423C : CS3 10DXN111 Exp: DB225
 375.8364 S:13 SMO(1.3) BSUB(1000.15,-3.0) PKD(5.3,3,100.00%,884.0,1.00%,F,T)



Method ID 8290
 Column ID DB5
 STD ID ST0421, ST0421B
 Analyzed by M.G.
 Std. Pkg. By M.G.
 Std. Pkg. Reviewed By VP

Associated ICAL 8290A0412104D5
 Instrument ID 4D5
 STD Solution 10DXN111
 Date Analyzed 4/21/10
 Date Std. Pkg. Assembled 4/22/10
 Date Std. Pkg. Reviewed 4.22.10

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?	✓ ①	✓
Ending Static Resolutions present	✓ ①	✓
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: ① Ending Standard + Ending Static Resolution acquired after recalibrating but not returning.

* 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: ST0421 File text: ST0421 :CS3 10DXN111
 Run #6 Filename 21AP104D5 S: 1 I: 1
 Acquired: 21-APR-10 08:20:13 Processed: 21-APR-10 16:58:07
 Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 21AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	155948700	0.80 y	19:35	-	100.00	-	n
13C-2,3,7,8-TCDF	266908000	0.80 y	19:00	1.71	100.00	12.5	n
2,3,7,8-TCDF	27644100	0.77 y	19:01	1.04	10.00	9.6	n
Total TCDF	27942472	0.77 y	17:09	1.04	10.00	9.6	n
13C-2,3,7,8-TCDD	156528500	0.79 y	19:48	1.00	100.00	5.7	n
2,3,7,8-TCDD	16180520	0.81 y	19:49	1.03	10.00	1.2	n
Total TCDD	16210191	0.75 y	18:31	1.03	10.00	1.2	n
37Cl-2,3,7,8-TCDD	35914800	1.00 y	19:49	2.30	10.00	1.8	n
13C-1,2,3,7,8-PeCDF	157558500	1.61 y	24:41	1.01	100.00	-3.8	n
1,2,3,7,8-PeCDF	83191100	1.53 y	24:43	1.06	50.00	1.1	n
2,3,4,7,8-PeCDF	76747100	1.53 y	26:13	0.97	50.00	-0.8	n
Total F2 PeCDF	161274104	1.57 y	23:10	1.02	100.00	0.2	n
Total F1 PeCDF	*	* n	NotFnd	1.02	100.00	0.2	n
13C-1,2,3,7,8-PeCDD	95071900	1.57 y	27:01	0.61	100.00	-9.1	n
1,2,3,7,8-PeCDD	46874100	1.57 y	27:03	0.99	50.00	0.4	n
Total PeCDD	46874100	1.57 y	27:03	0.99	50.00	0.4	n
13C-1,2,3,7,8,9-HxCDD	70404000	1.26 y	33:09	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	85796300	0.53 y	31:59	1.22	100.00	18.9	n
1,2,3,4,7,8-HxCDF	55836000	1.29 y	32:00	1.30	50.00	7.3	n
1,2,3,6,7,8-HxCDF	55636600	1.18 y	32:07	1.30	50.00	-3.4	n
2,3,4,6,7,8-HxCDF	49100400	1.26 y	32:41	1.14	50.00	-6.4	n
1,2,3,7,8,9-HxCDF	42582300	1.25 y	33:20	0.99	50.00	-9.1	n
Total HxCDF	203155300	1.29 y	32:00	1.18	200.00	-2.8	n
13C-1,2,3,6,7,8-HxCDD	59843200	1.29 y	32:53	0.85	100.00	5.3	n
1,2,3,4,7,8-HxCDD	27946300	1.26 y	32:49	0.93	50.00	-7.2	n
1,2,3,6,7,8-HxCDD	37838500	1.30 y	32:54	1.26	50.00	13.5	n
1,2,3,7,8,9-HxCDD	37800000	1.27 y	33:09	1.26	50.00	4.5	n
Total HxCDD	103584800	1.26 y	32:49	1.15	150.00	4.0	n
13C-1,2,3,4,6,7,8-HpCDF	70509800	0.42 y	34:39	1.00	100.00	16.1	n
1,2,3,4,6,7,8-HpCDF	47874500	0.96 y	34:40	1.36	50.00	3.7	n
1,2,3,4,7,8,9-HpCDF	39431100	0.97 y	35:48	1.12	50.00	9.1	n
Total HpCDF	87305600	0.96 y	34:40	1.24	100.00	6.0	n
13C-1,2,3,4,6,7,8-HpCDD	63789500	1.04 y	35:28	0.91	100.00	29.9	n
1,2,3,4,6,7,8-HpCDD	34870800	1.02 y	35:29	1.09	50.00	2.0	n
Total HpCDD	35104633	0.94 y	34:55	1.09	50.00	2.0	n
13C-OCDD	81203400	0.93 y	37:59	0.58	200.00	8.5	n
OCDF	60981500	0.92 y	38:07	1.50	100.00	3.9	n
OCDD	48137200	0.91 y	38:00	1.19	100.00	1.7	n

Run text: ST0421B File text: CS-3 10DXN111
 Run #6 Filename 21AP10B4D5 S: 2 I: 1
 Acquired: 21-APR-10 21:50:09 Processed: 21-APR-10 22:31:49
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 21AP10B4D58290A

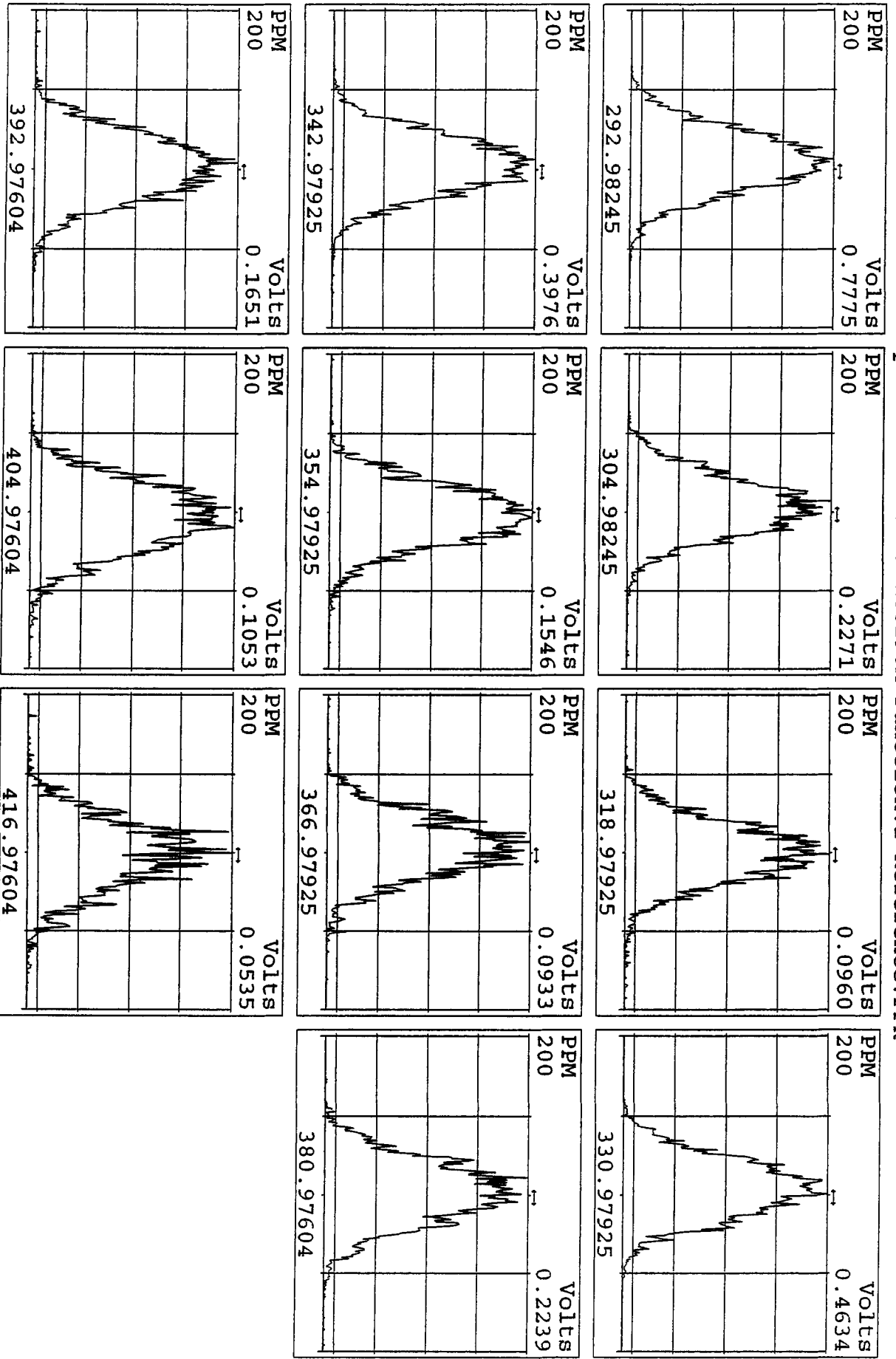
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	180044300	0.81 y	19:34	-	100.00	-	n
13C-2,3,7,8-TCDF	293197000	0.79 y	18:59	1.63	100.00	7.1	n
2,3,7,8-TCDF	31026000	0.78 y	19:00	1.06	10.00	11.9	n
Total TCDF	31369485	1.00 n	17:59	1.06	10.00	11.9	n
13C-2,3,7,8-TCDD	178657900	0.80 y	19:47	0.99	100.00	4.5	n
2,3,7,8-TCDD	18168060	0.78 y	19:48	1.02	10.00	-0.4	n
Total TCDD	18195531	1.55 n	18:33	1.02	10.00	-0.4	n
37Cl-2,3,7,8-TCDD	40492800	1.00 y	19:48	2.25	10.00	-0.5	n
13C-1,2,3,7,8-PeCDF	192734100	1.58 y	24:42	1.07	100.00	1.9	n
1,2,3,7,8-PeCDF	104693100	1.56 y	24:43	1.09	50.00	4.0	n
2,3,4,7,8-PeCDF	101354400	1.56 y	26:14	1.05	50.00	7.1	n
Total F2 PeCDF	208164183	1.72 y	23:10	1.07	100.00	5.5	n
Total F1 PeCDF	74163	0.29 n	16:43	1.07	100.00	5.5	n
13C-1,2,3,7,8-PeCDD	128842400	1.60 y	27:02	0.72	100.00	6.7	n
1,2,3,7,8-PeCDD	64355700	1.56 y	27:03	1.00	50.00	1.7	n
Total PeCDD	64355700	1.56 y	27:03	1.00	50.00	1.7	n
13C-1,2,3,7,8,9-HxCDD	119626200	1.26 y	33:08	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	139290100	0.53 y	31:59	1.16	100.00	13.6	n
1,2,3,4,7,8-HxCDF	90593300	1.24 y	32:00	1.30	50.00	7.3	n
1,2,3,6,7,8-HxCDF	97366300	1.25 y	32:07	1.40	50.00	4.1	n
2,3,4,6,7,8-HxCDF	89618500	1.23 y	32:40	1.29	50.00	5.3	n
1,2,3,7,8,9-HxCDF	79077800	1.26 y	33:19	1.14	50.00	3.9	n
Total HxCDF	356896424	1.03 n	30:52	1.28	200.00	5.2	n
13C-1,2,3,6,7,8-HxCDD	106307200	1.28 y	32:52	0.89	100.00	10.1	n
1,2,3,4,7,8-HxCDD	57565700	1.29 y	32:48	1.08	50.00	7.6	n
1,2,3,6,7,8-HxCDD	63463600	1.31 y	32:53	1.19	50.00	7.2	n
1,2,3,7,8,9-HxCDD	66108200	1.28 y	33:09	1.24	50.00	2.9	n
Total HxCDD	187137500	1.29 y	32:48	1.17	150.00	5.7	n
13C-1,2,3,4,6,7,8-HpCDF	111417600	0.43 y	34:38	0.93	100.00	8.0	n
1,2,3,4,6,7,8-HpCDF	75516600	0.96 y	34:39	1.36	50.00	3.5	n
1,2,3,4,7,8,9-HpCDF	61390300	0.96 y	35:47	1.10	50.00	7.4	n
Total HpCDF	137970946	0.96 y	34:39	1.23	100.00	5.2	n
13C-1,2,3,4,6,7,8-HpCDD	94742900	1.06 y	35:27	0.79	100.00	13.5	n
1,2,3,4,6,7,8-HpCDD	51822800	1.03 y	35:28	1.09	50.00	2.1	n
Total HpCDD	52416251	1.08 y	34:53	1.09	50.00	2.1	n
13C-OCDD	126266700	0.92 y	37:58	0.53	200.00	-0.7	n
OCDF	93908600	0.90 y	38:05	1.49	100.00	2.9	n
OCDD	77906200	0.89 y	37:58	1.23	100.00	5.8	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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21AP104D5	2	CP0421	DB-5 CPSM 3732-05				1.00000	
21AP104D5	3	SB0421	Solvent Blank C-14				1.00000	
21AP104D5	4	LX3CP-1-AA	GOD160000-187B	20	8290/SOLID	74	10.00000	g
21AP104D5	5	LX3CP-1-AC	GOD160000-187C	20	8290/SOLID		10.00000	g
21AP104D5	6	LXM7K-1-AD	GOD080425-18	20	8290/SOLID		10.06000	g
21AP104D5	7	LXM7T-1-AC	GOD080425-22	20	8290/SOLID		10.07000	g
21AP104D5	8	LXM7T-1-AD	GOD080425-22S	20	8290/SOLID		10.31000	g
21AP104D5	9	LXM7T-1-AE	GOD080425-22D	20	8290/SOLID		10.38000	g
21AP104D5	10	LX3LQ-1-AC	GOD160000-253C	20	8290/WATER	72	1.00000	L
21AP104D5	11	LX3LQ-1-AA	GOD160000-253B	20	8290/WATER		1.00000	L
21AP104D5	12	LX2RV-1-AC	GOD150603-15	20	8290/WATER		1.02880	L
21AP104D5	13	LX2RW-1-AC	GOD150603-16	20	8290/WATER		1.01190	L
21AP104D5	14	LX2RX-1-AC	GOD150603-17	20	8290/WATER		0.96070	L
21AP104D5	15	LX2RG-1-AD	GOD150603-10	20	8290/SOLID		10.15000	g
21AP104D5	16	LX2RH-1-AD	GOD150603-11	20	8290/SOLID		10.02000	g
21AP104D5	17	LX2RQ-1-AD	GOD150603-12	20	8290/SOLID		10.48000	g
21AP104D5	18	SB0421A	Solvent Blank C-14				1.00000	
21AP104D5	19	ST0421A	CS3 10DXN111				1.00000	
21AP104D5	20	CP0421A	DB-5 CPSM 3732-05				1.00000	
21AP104D5	21	SB0421B	Solvent Blank C-14				1.00000	
21AP104D5	22	LX48J-1-AA	GOD160000-365B	20	8290/SOLID	72	10.00000	g
21AP104D5	23	LX48J-1-AC	GOD160000-365C	20	8290/SOLID		10.00000	g
21AP104D5	24	LX45M-1-AD	GOD160601-1	20	8290/SOLID		10.16000	g
21AP104D5	25	LX45Q-1-AD	GOD160601-2	20	8290/SOLID		10.01000	g
21AP104D5	26	LX45R-1-AD	GOD160601-3	20	8290/SOLID		10.18000	g
21AP104D5	27	LX45T-1-AD	GOD160601-4	20	8290/SOLID		10.30000	g
21AP104D5	28	LX45V-1-AD	GOD160601-5	20	8290/SOLID		10.37000	g
21AP104D5	29	LX45X-1-AD	GOD160601-6	20	8290/SOLID		10.05000	g
21AP104D5	30	LX450-1-AD	GOD160601-7	20	8290/SOLID		10.14000	g
21AP104D5	31	LX451-1-AD	GOD160601-8	20	8290/SOLID		10.08000	g
21AP104D5	32	LX2RR-1-AD	GOD150603-13	20	8290/SOLID		10.65000	g
21AP104D5	33	LX2RT-1-AD	GOD150603-14	20	8290/SOLID		10.01000	g
21AP104D5	34	SB0421C	Solvent Blank C-14				1.00000	
21AP104D5	35	ST0421B	CS3 10DXN111				1.00000	
21AP104D5	36						1.00000	
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21AP104D5	39		MG 04/21/10				1.00000	

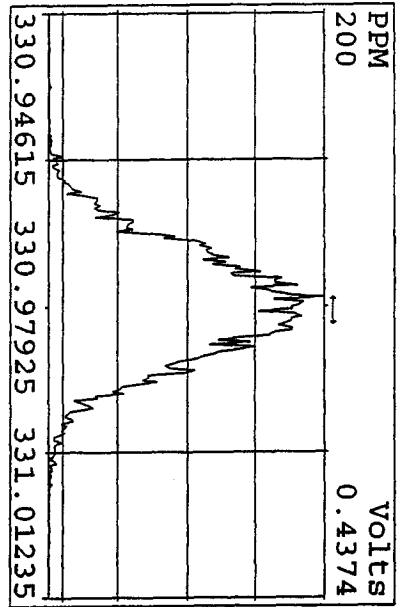
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Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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21AP10B4D5	5						1.00000	
21AP10B4D5	6		MG,AM 04/21/10				1.00000	

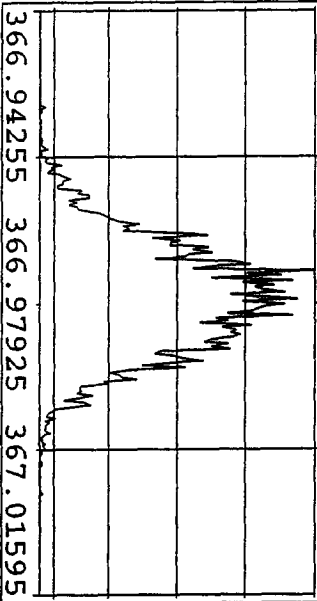
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Experiment: DIOXINRES8290A Function: 1 Reference: PFK



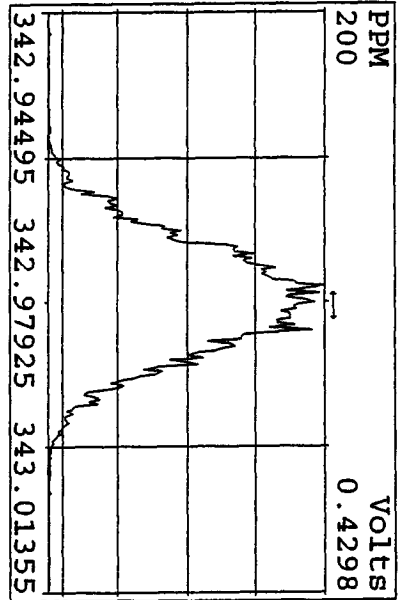
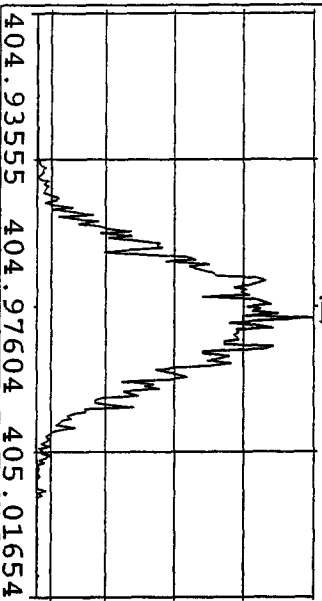
Peak Locate Examination: 21-APR-2010:08:18 File: 21AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



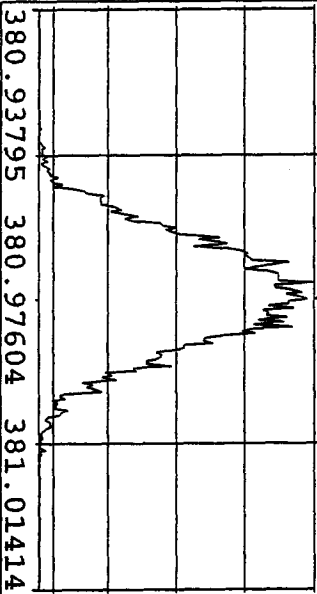
PPM 200
 Volts 0.1183



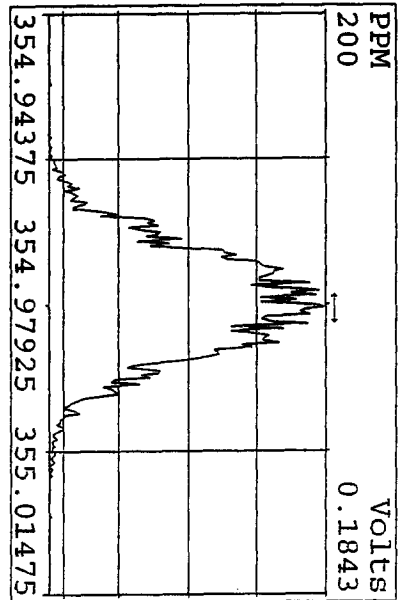
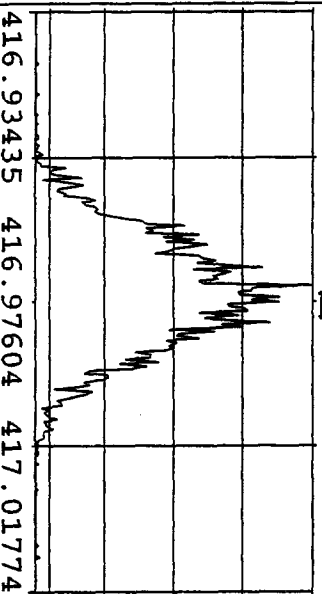
PPM 200
 Volts 0.1750



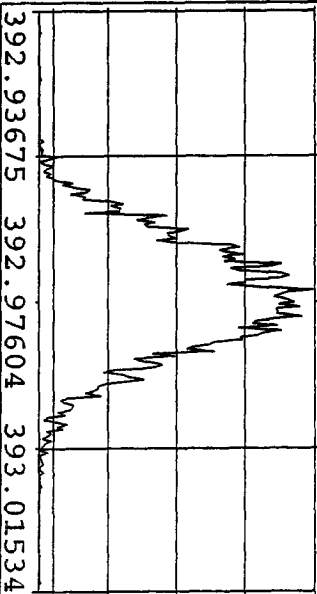
PPM 200
 Volts 0.2928



PPM 200
 Volts 0.0841

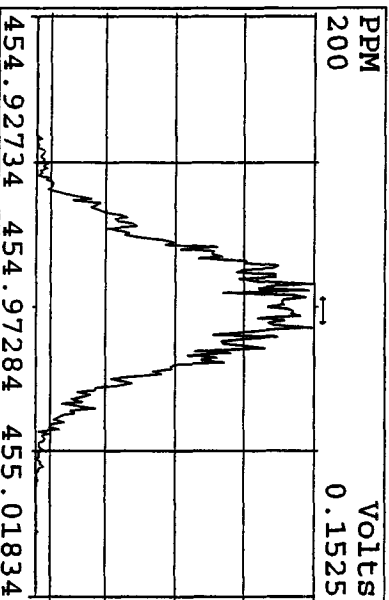
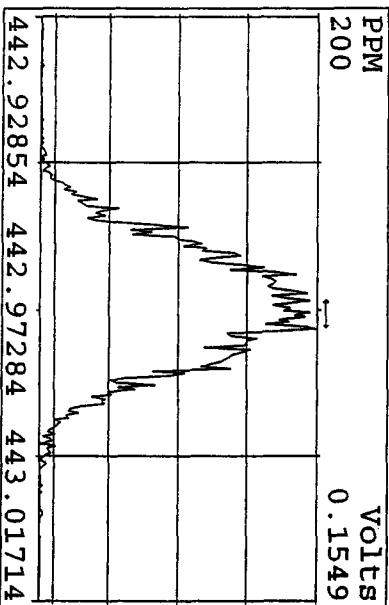
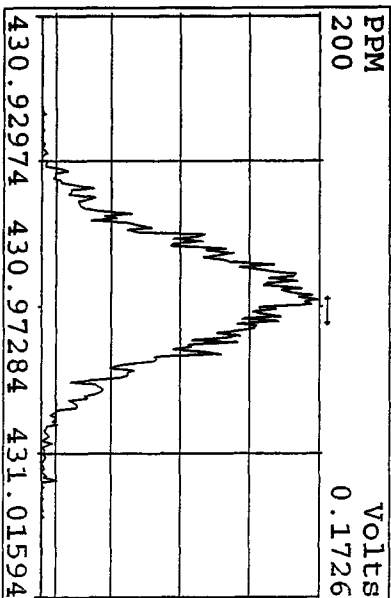
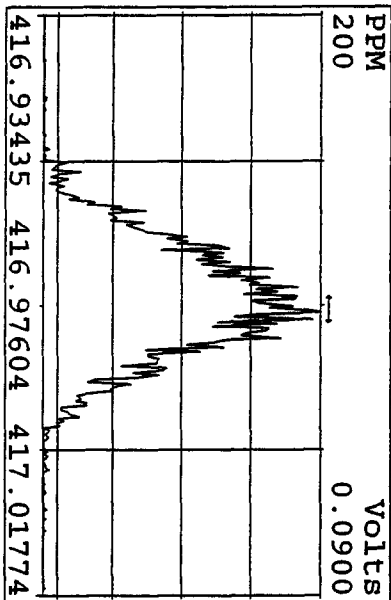
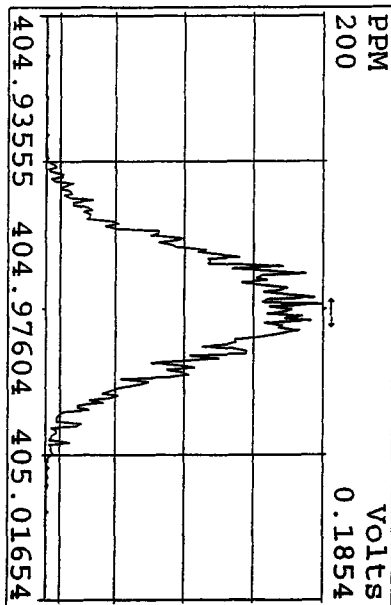
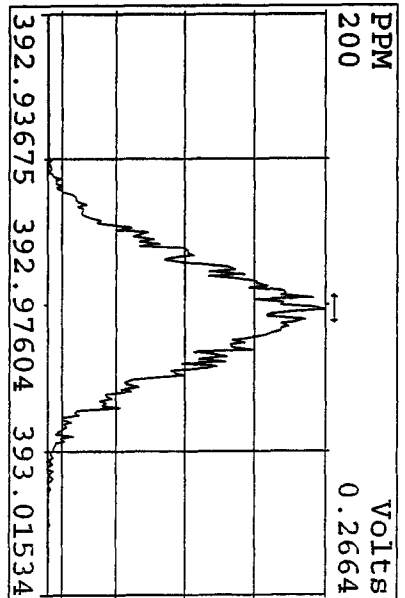
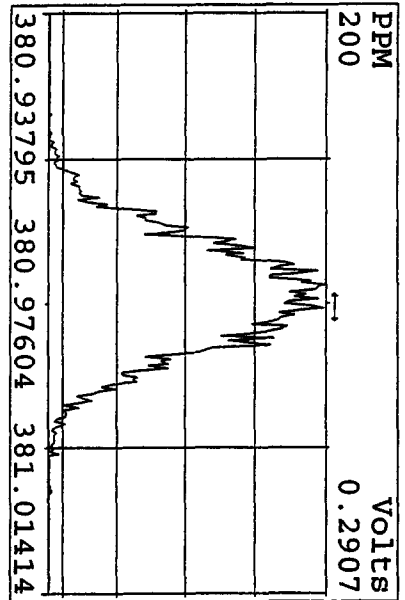
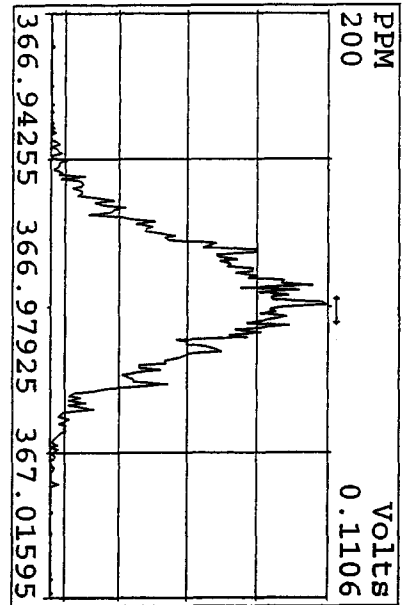


PPM 200
 Volts 0.2369

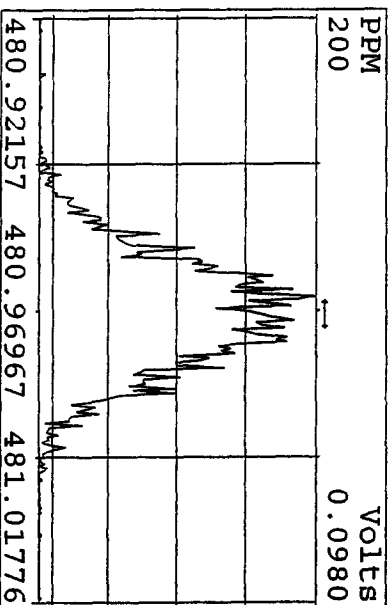
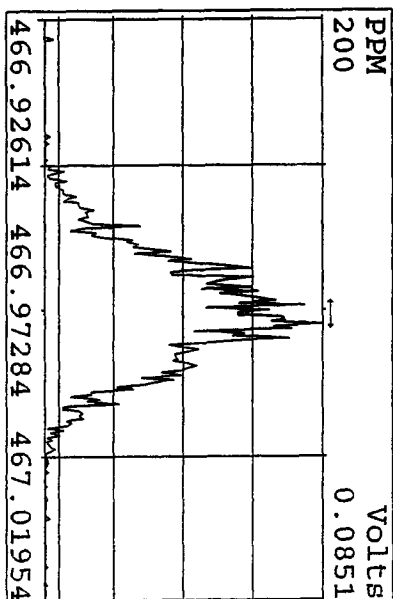
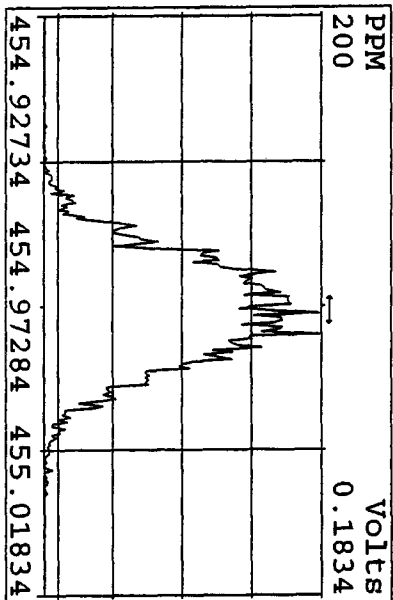
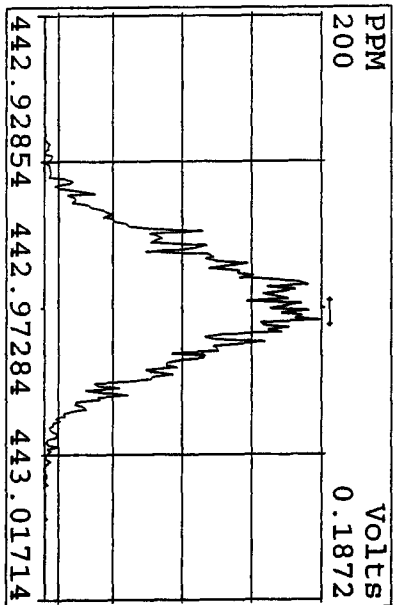
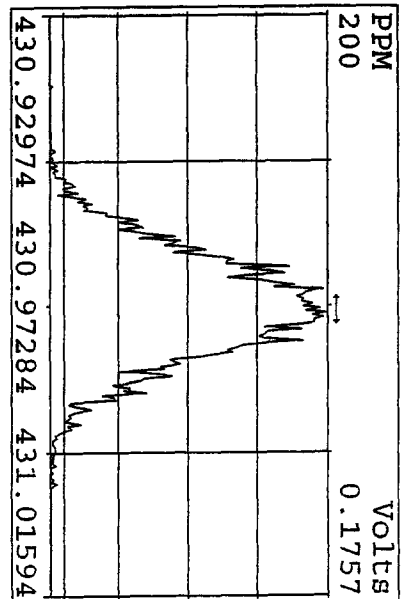
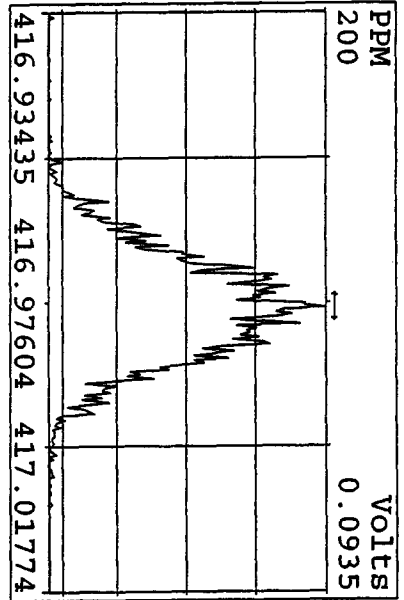
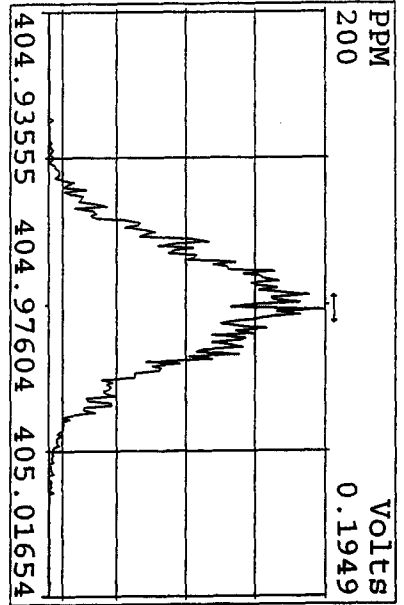


PPM 200
 Volts 0.1534

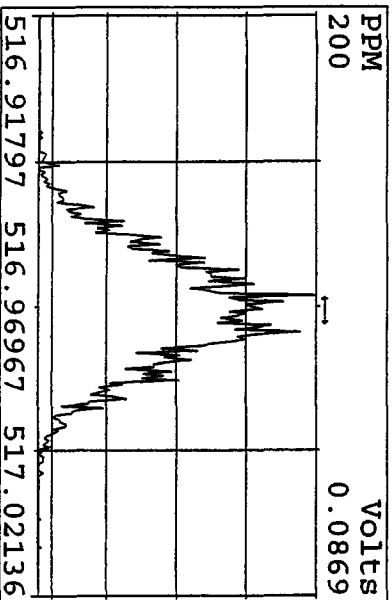
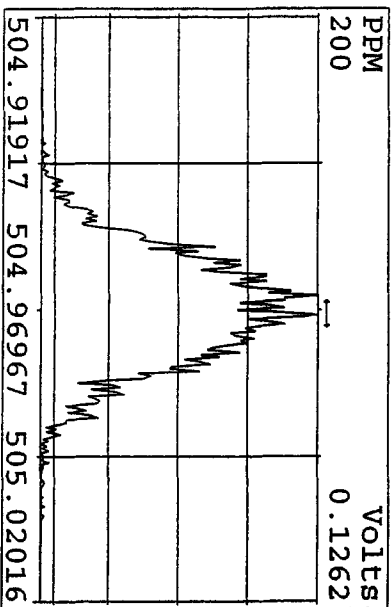
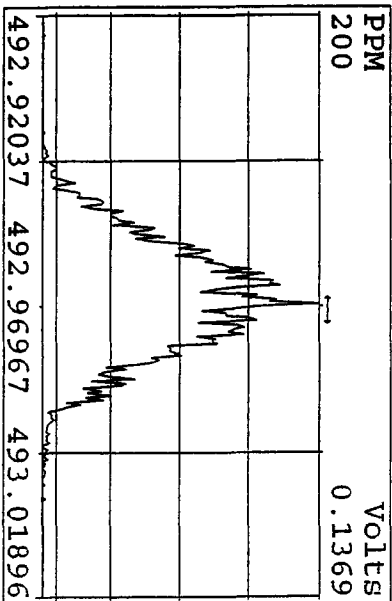
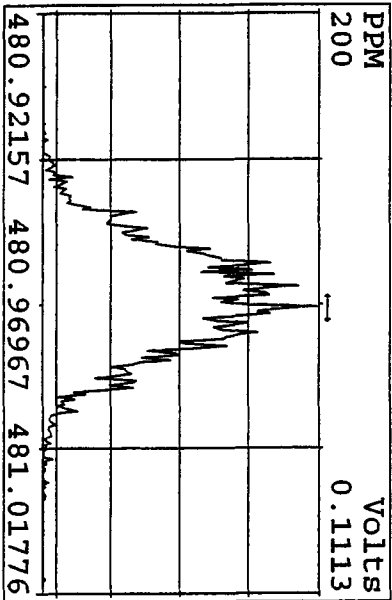
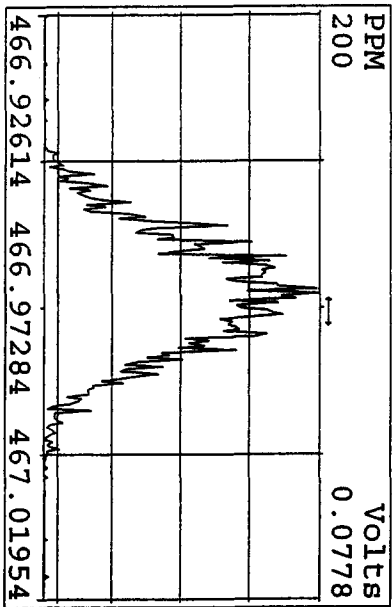
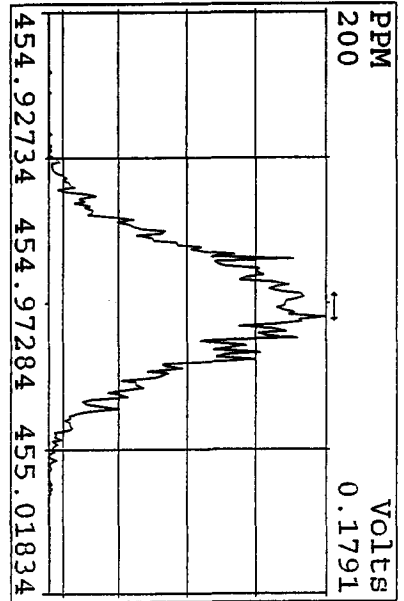
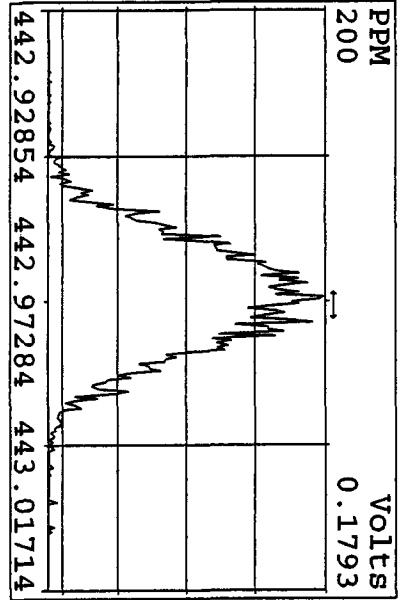
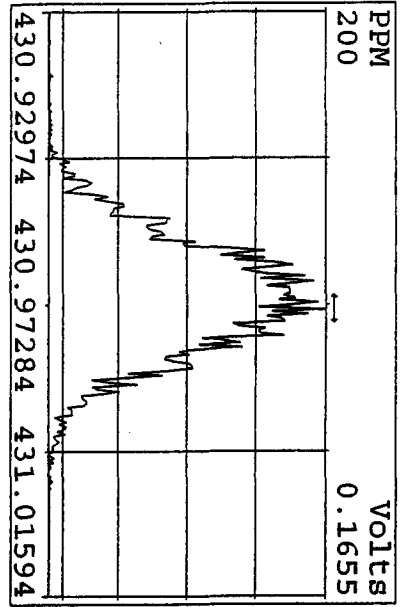
Peak Locate Examination: 21-APR-2010:08:18 File: 21AP104D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



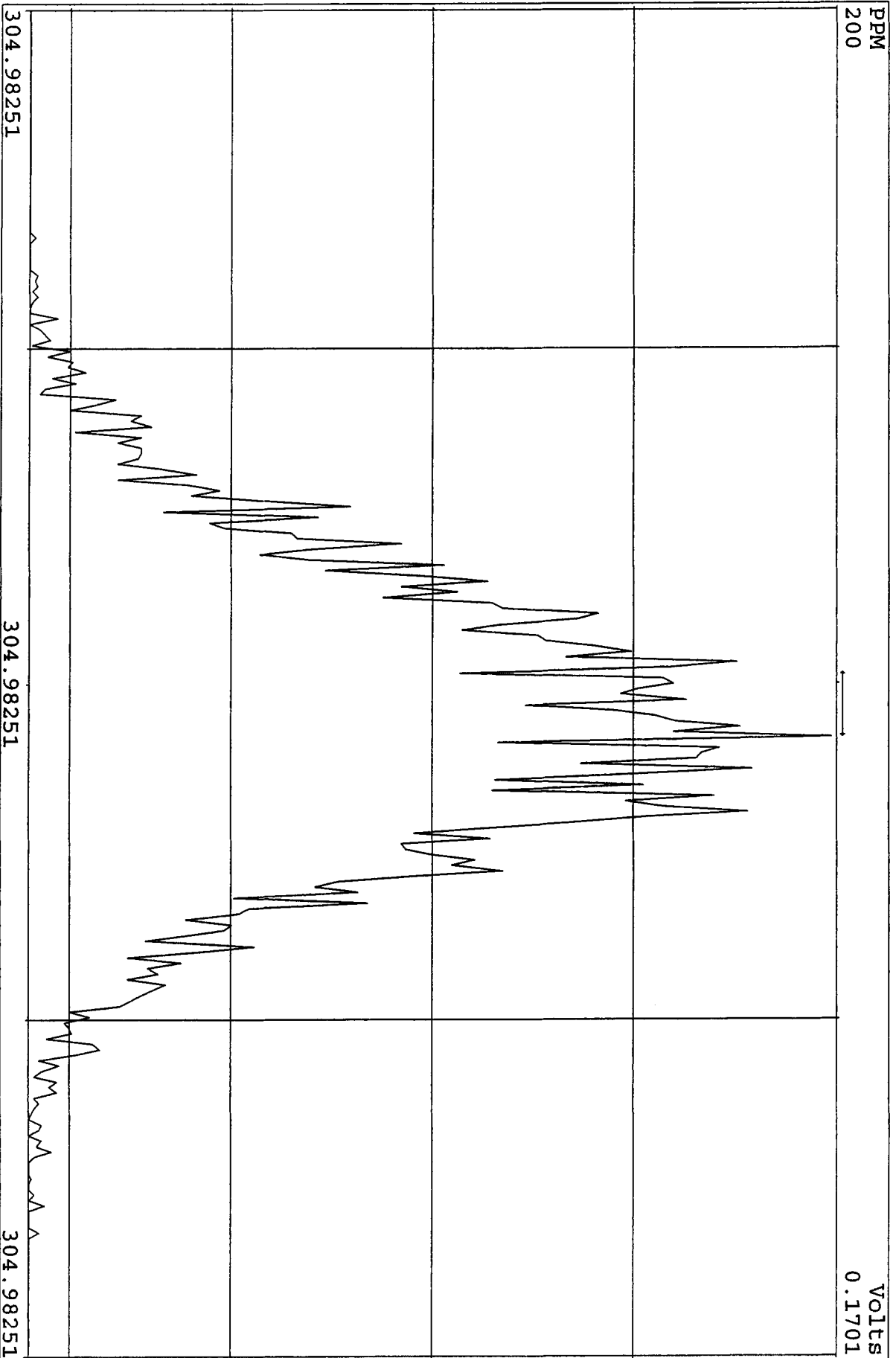
Peak Locate Examination: 21-APR-2010: 08:18 File: 21API04D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PK



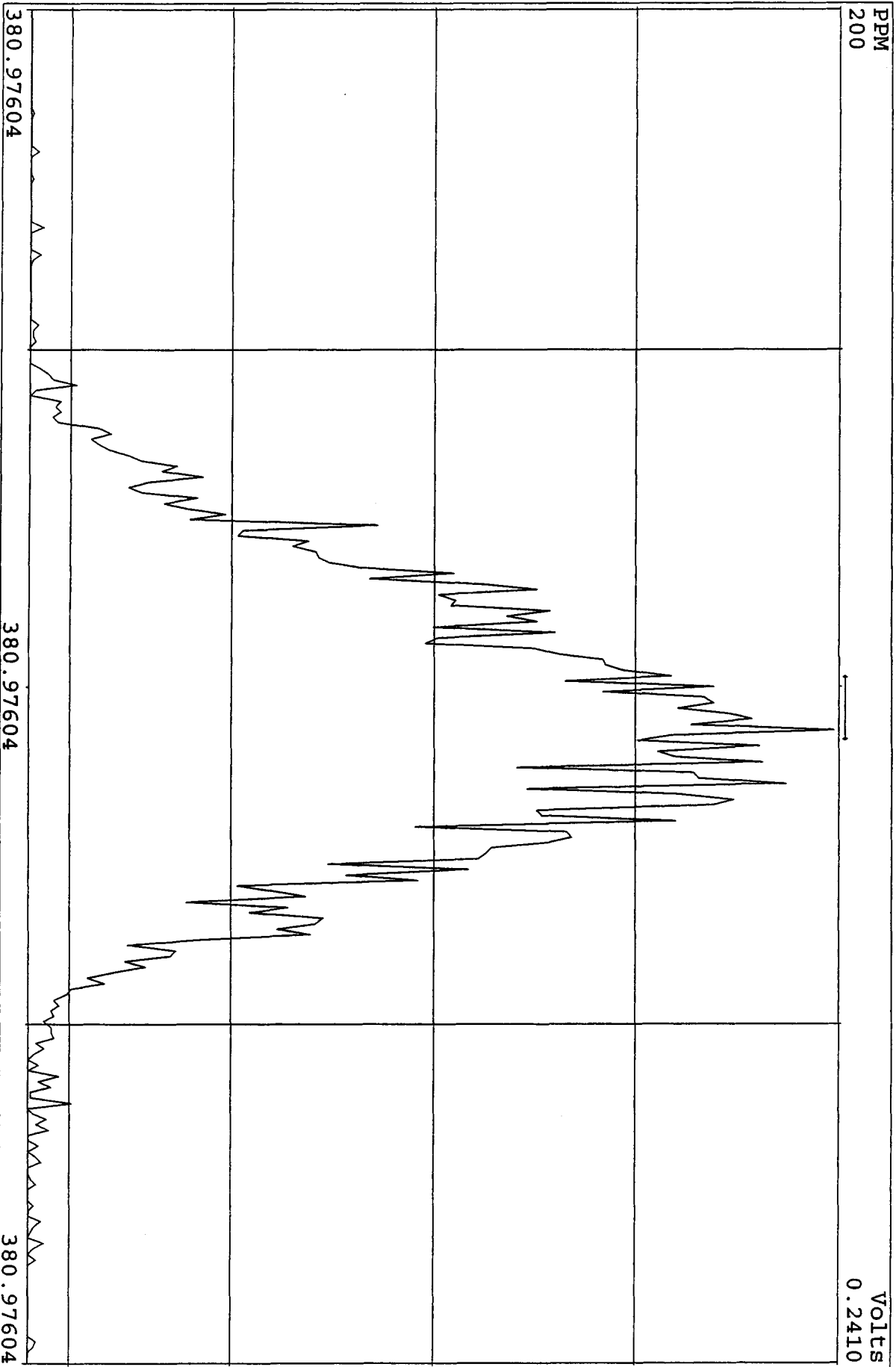
Peak Locate Examination: 21-APR-2010:08:19 File: 21AP104D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PK



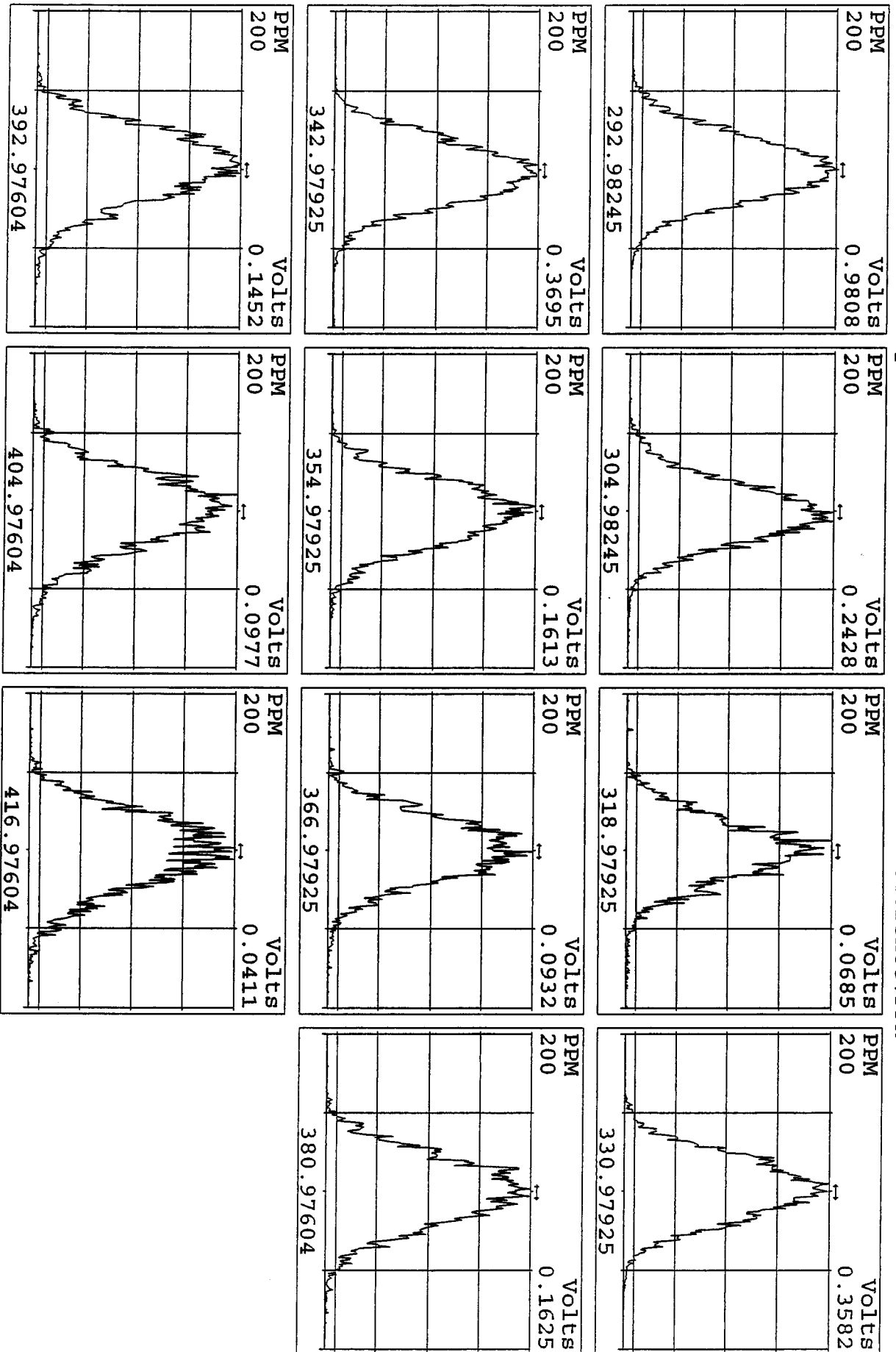
SIRLM Examination: 21-APR-2010:16:24 File: 21AP104D5
Experiment: DIOXINRES8290A Function: 7



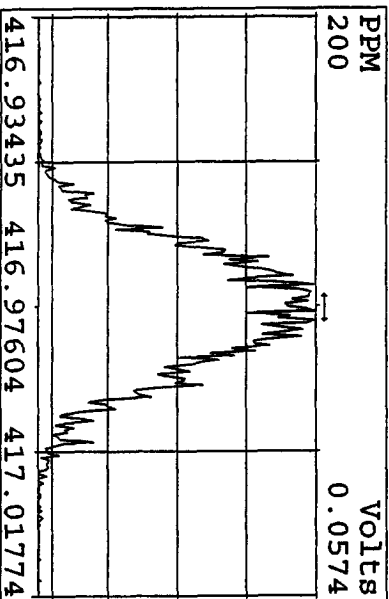
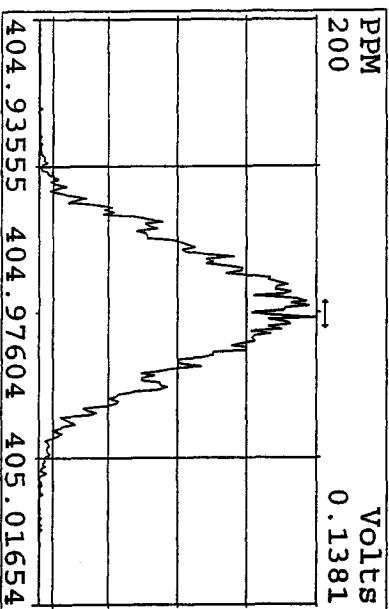
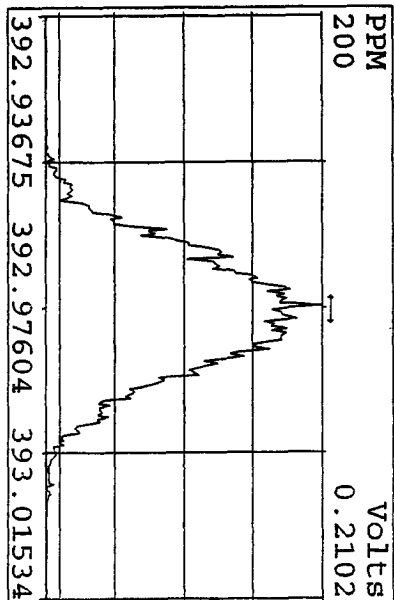
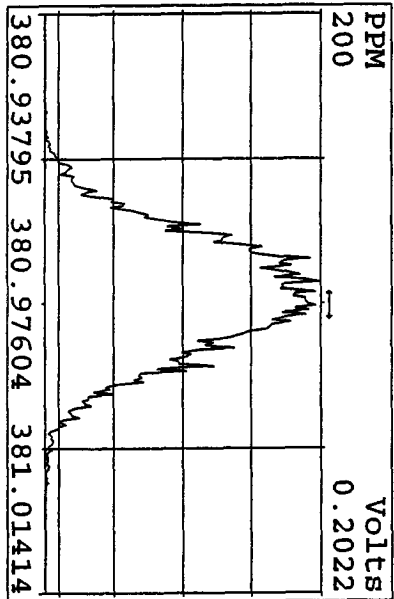
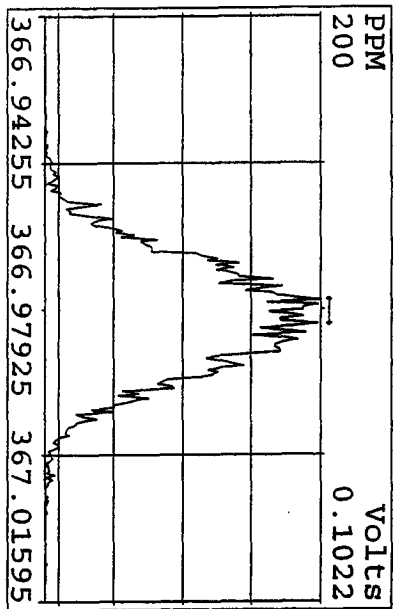
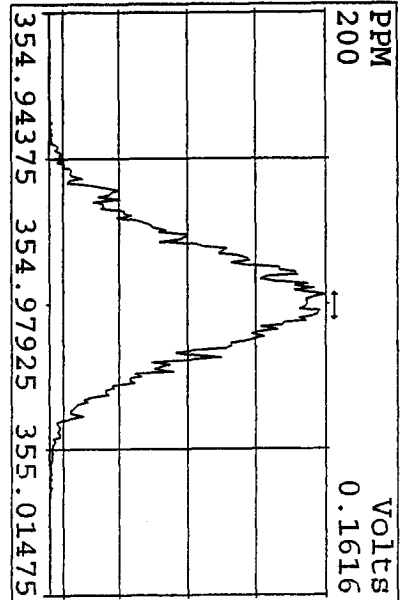
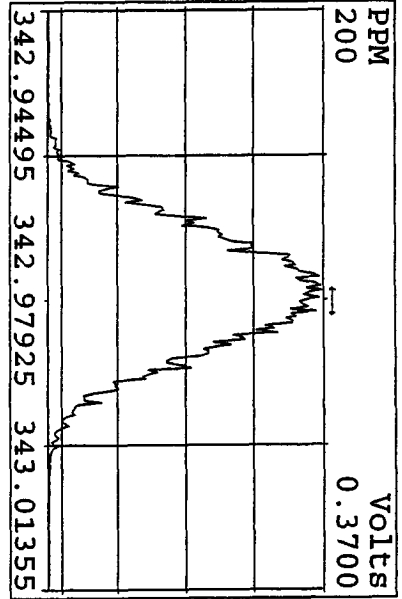
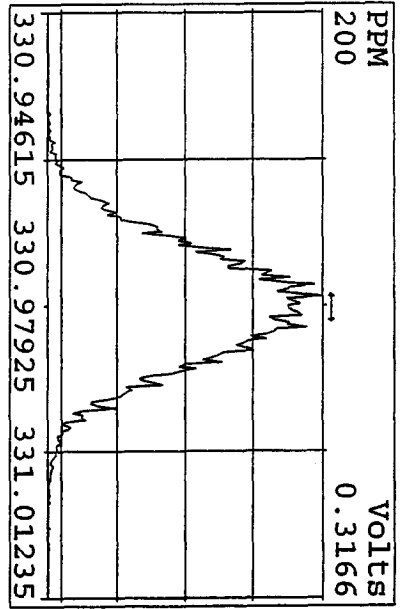
SIRLM Examination: 21-APR-2010: 16:23 File: 21AP104D5
Experiment: DIOXINRES8290A Function: 6



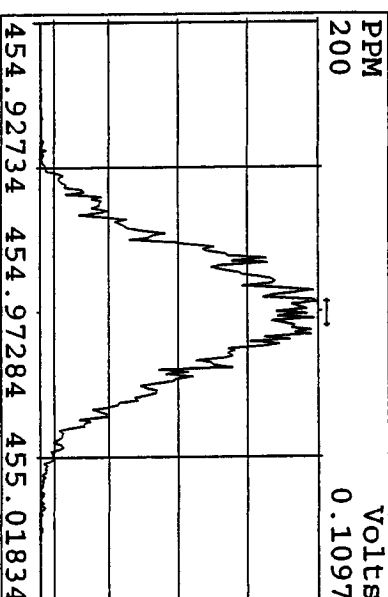
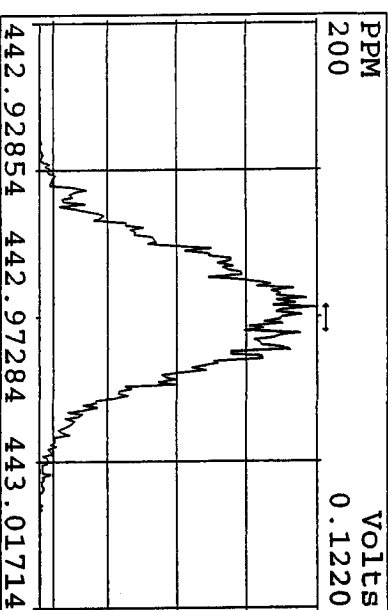
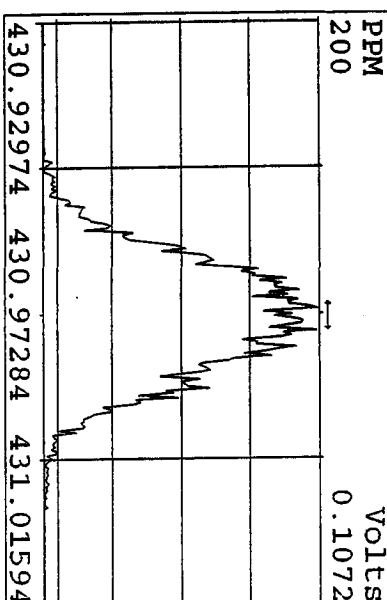
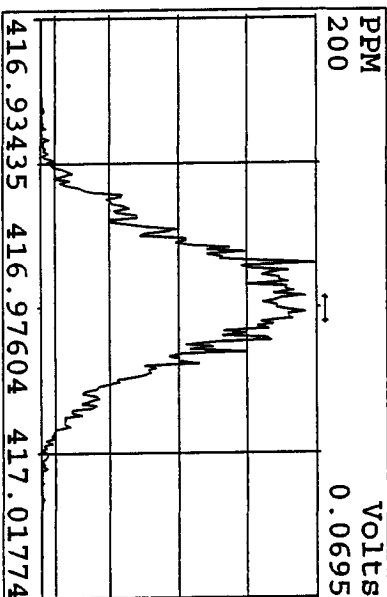
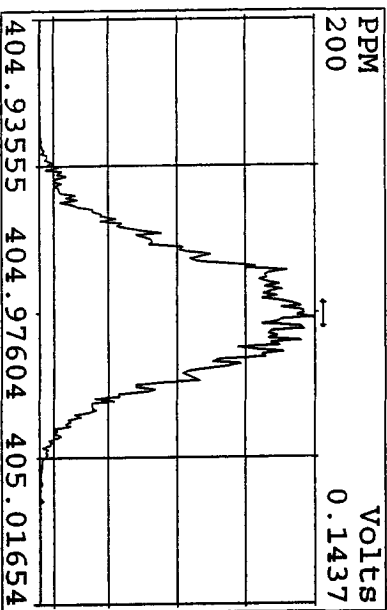
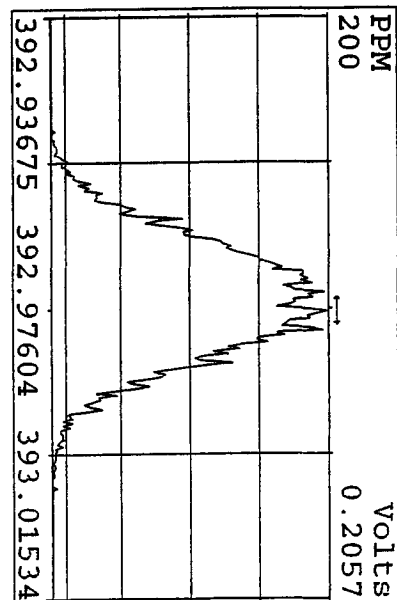
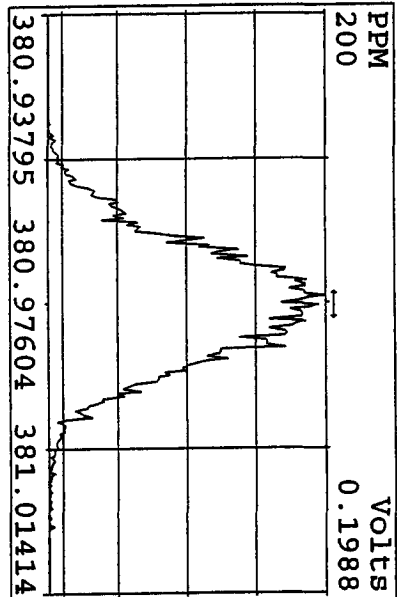
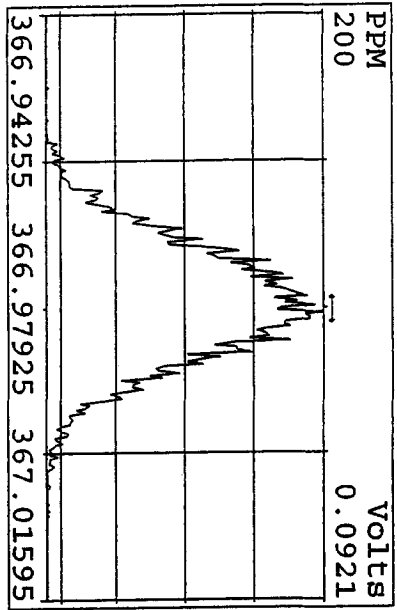
Peak Locate Examination: 21-APR-2010: 20:53 File: 21AP10B4D5
Experiment: DIOXINRES8290A Function: 1 Reference: PK



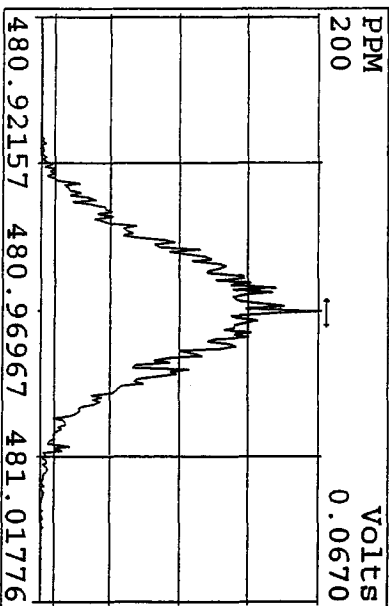
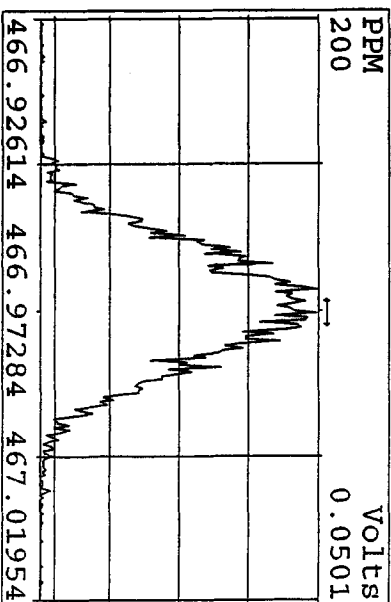
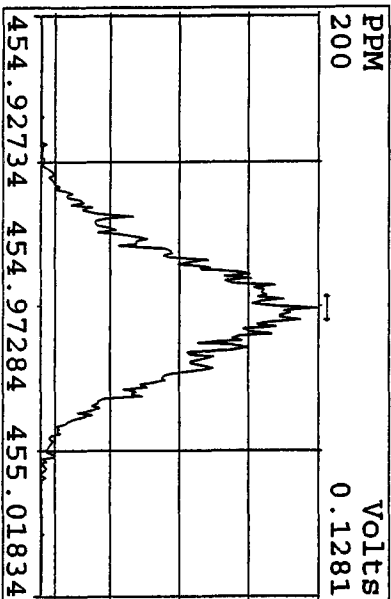
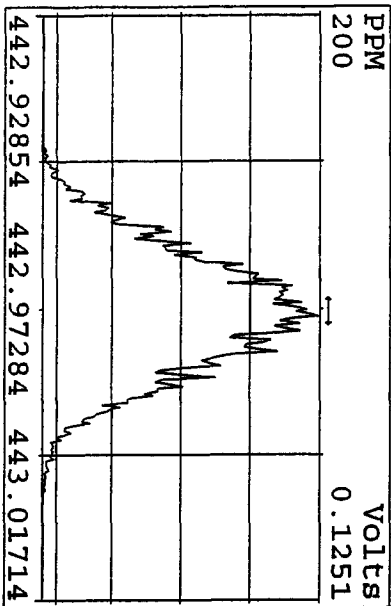
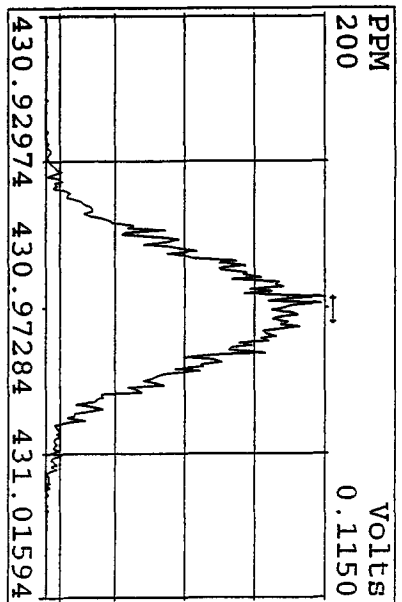
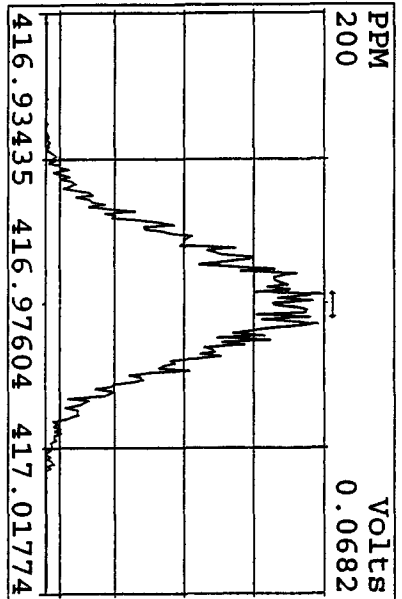
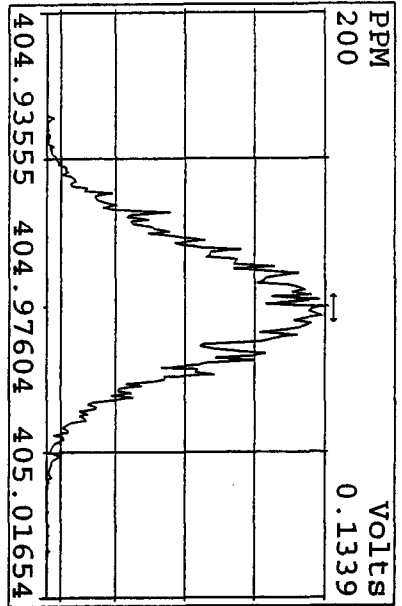
Peak Locate Examination: 21-APR-2010:20:57 File: 21AP10B4D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



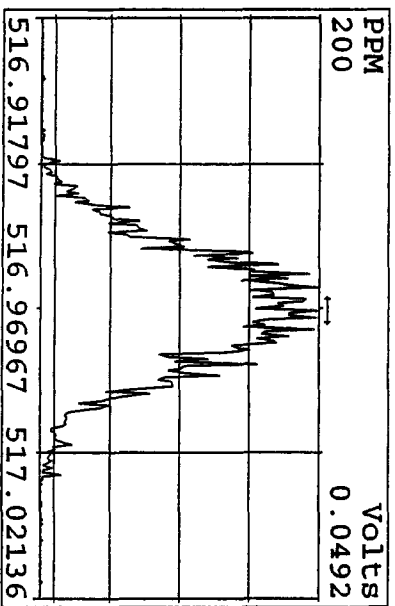
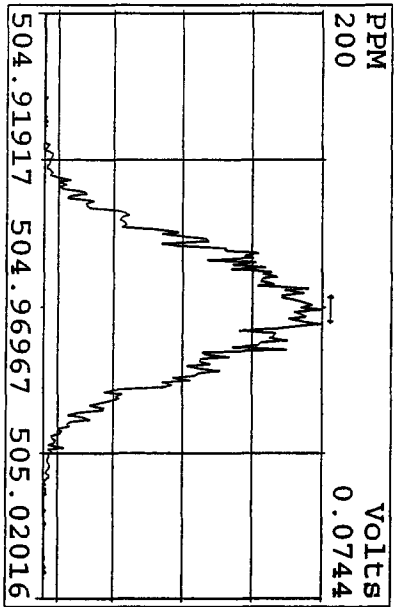
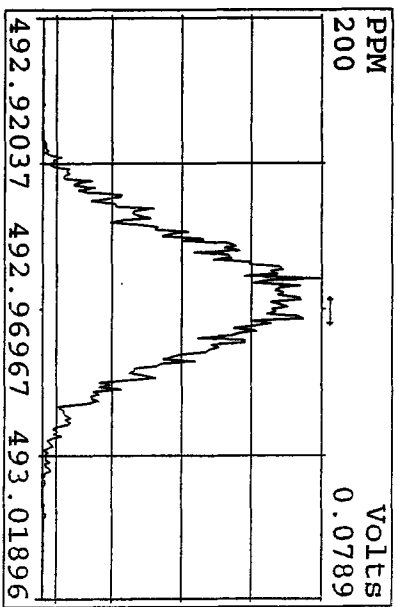
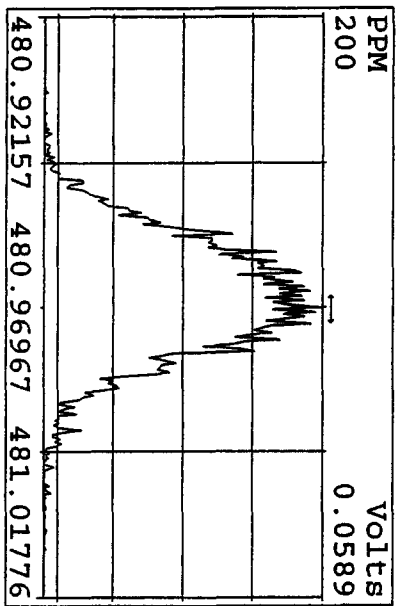
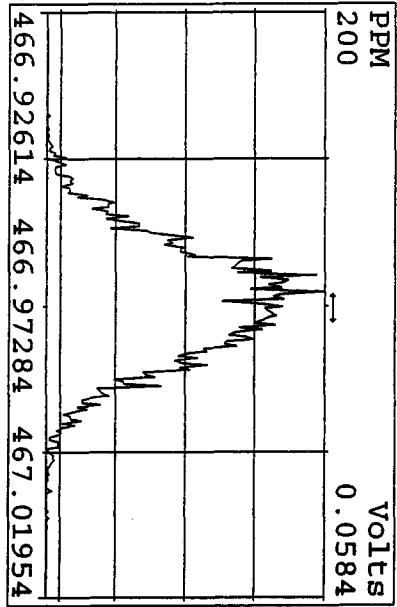
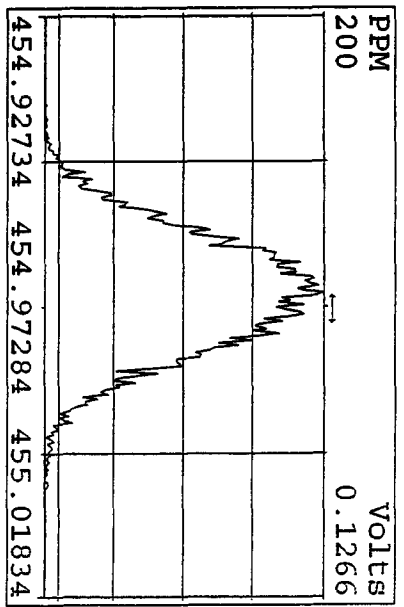
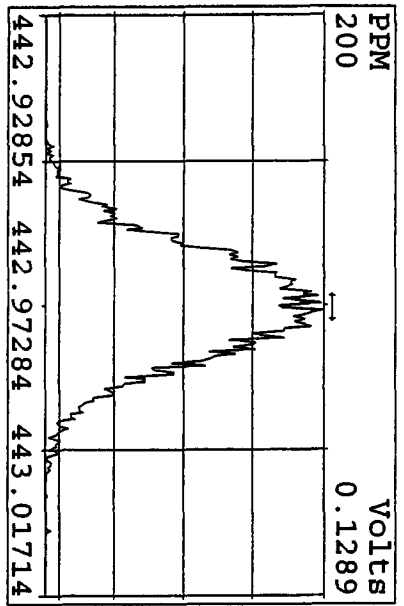
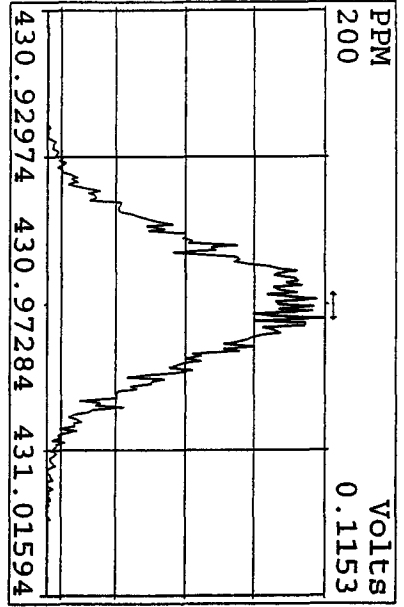
Peak Locate Examination: 21-APR-2010: 20:58 File: 21AP10B4D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



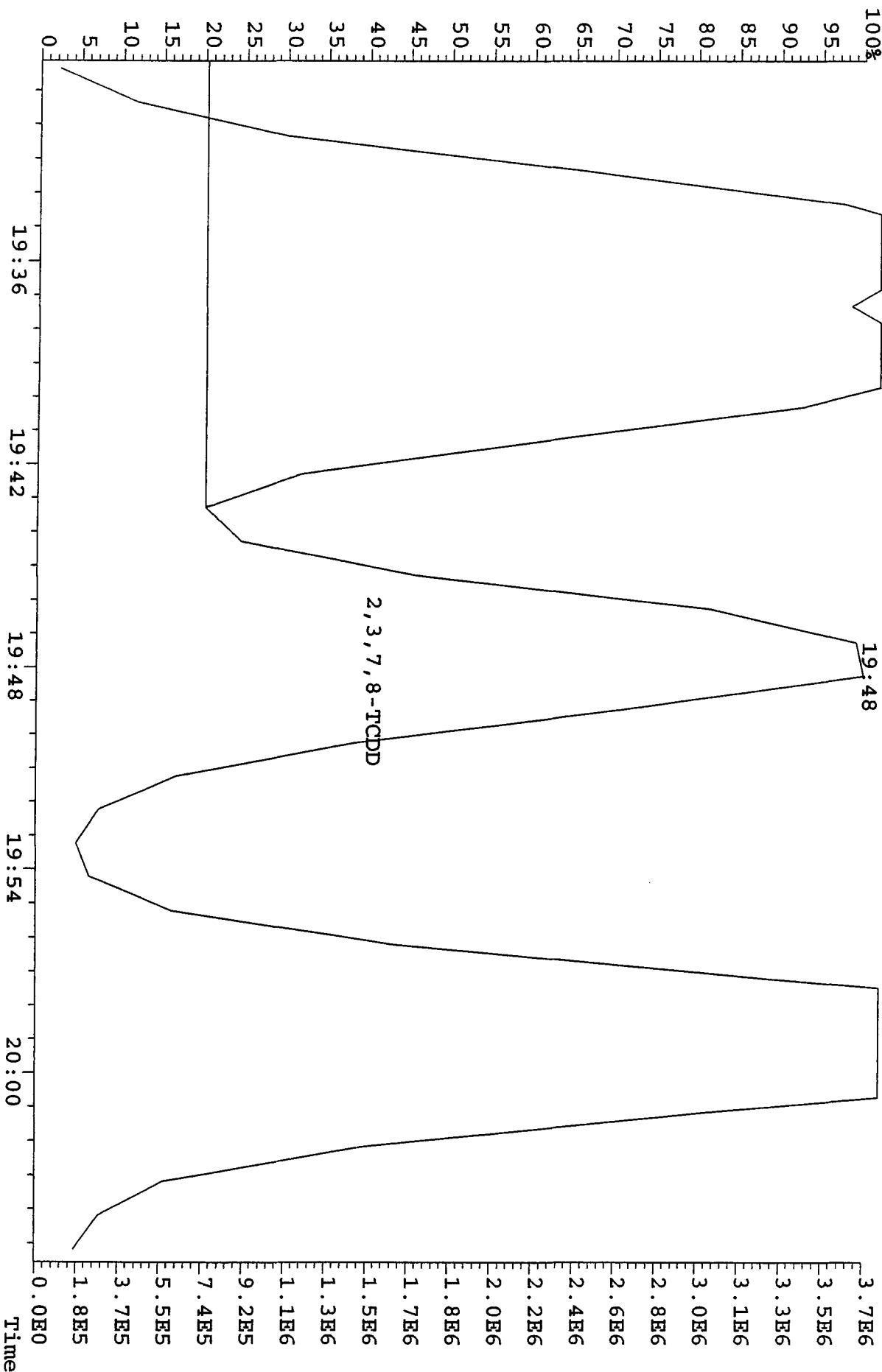
Peak Locate Examination: 21-APR-2010: 21:00 File: 21AP10B4D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



Peak Locate Examination: 21-APR-2010: 21:02 File: 21AP10B4D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



File: 21AP104D5 #1-434 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaF
321.8936 S: 2 Exp: DIOXINRES8290A
Sample Text: CP0421 : DB-5 CPSM 3732-05



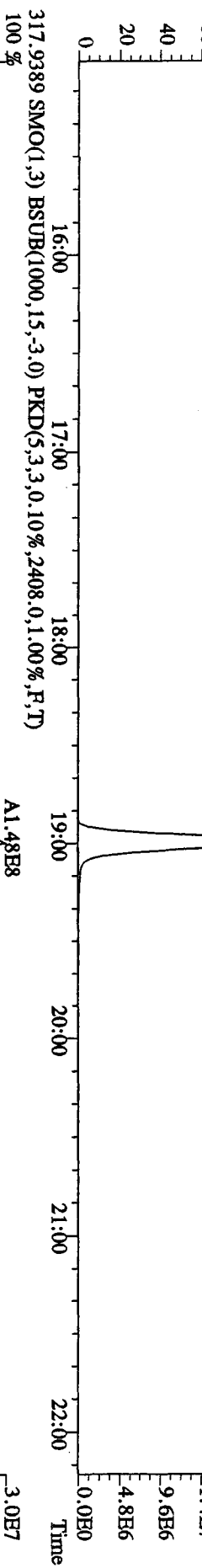
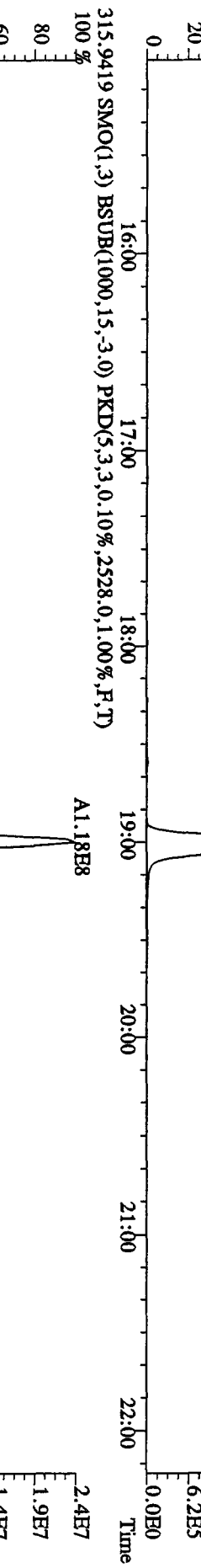
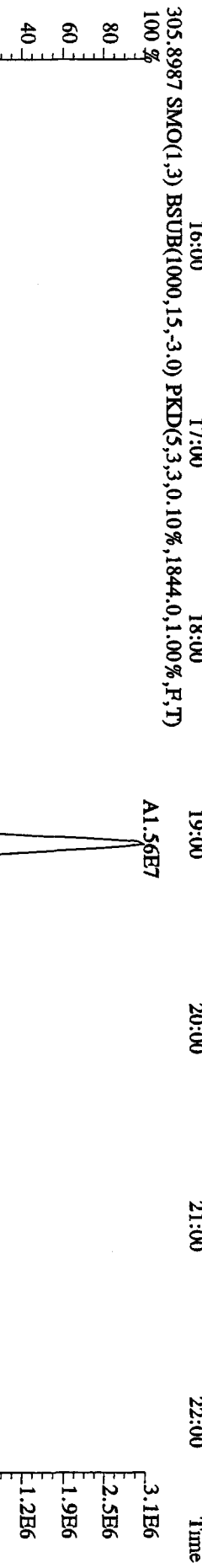
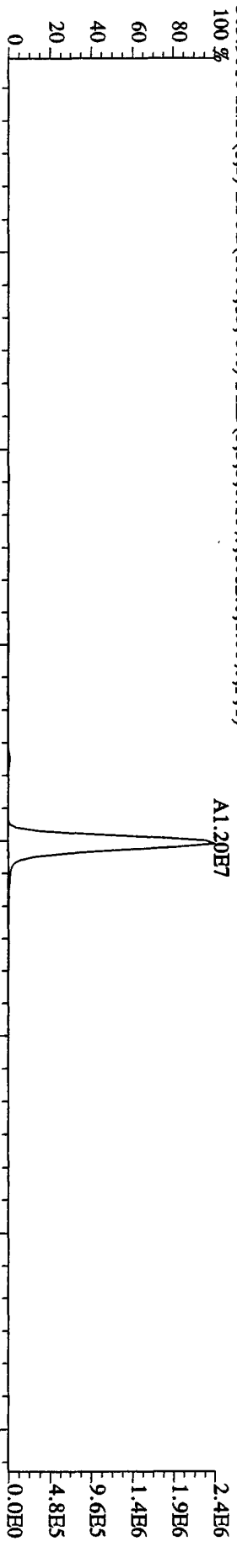
Run: 21AP104D5 Analyte: 8290A Cal: 8290A0412104D5

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

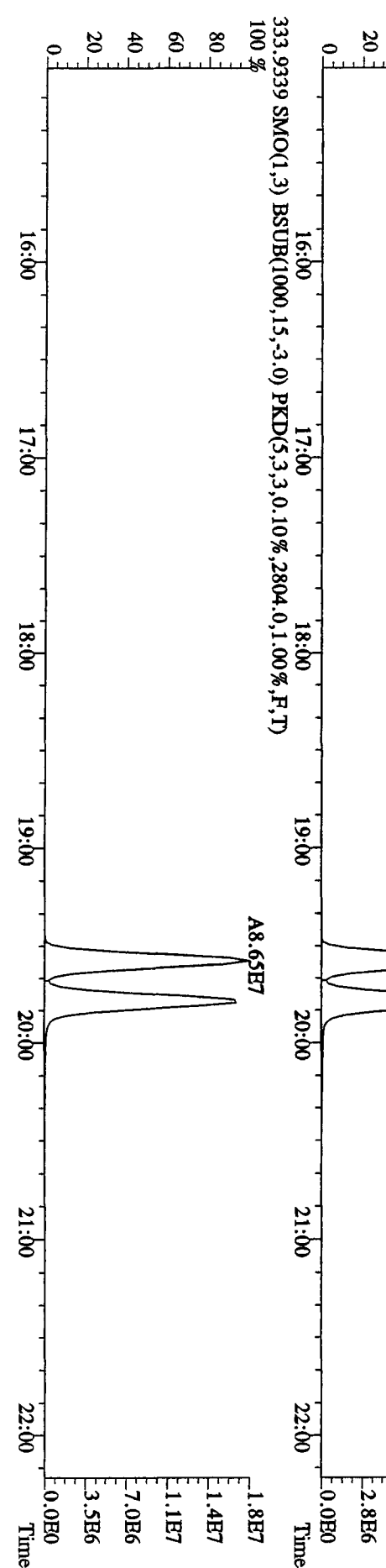
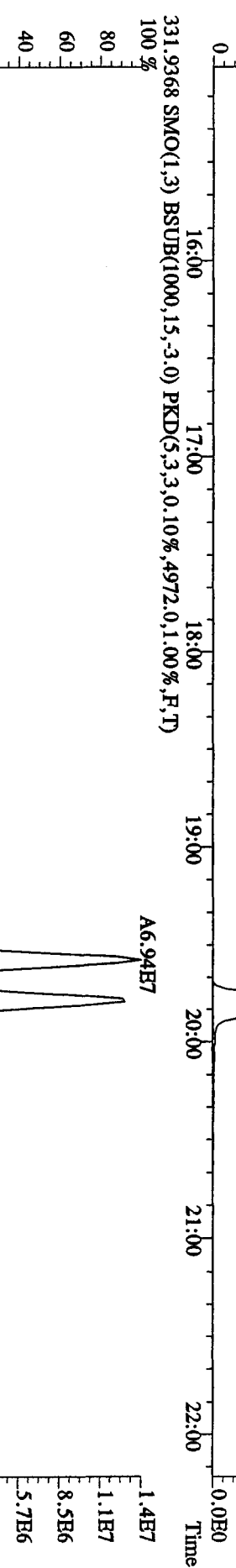
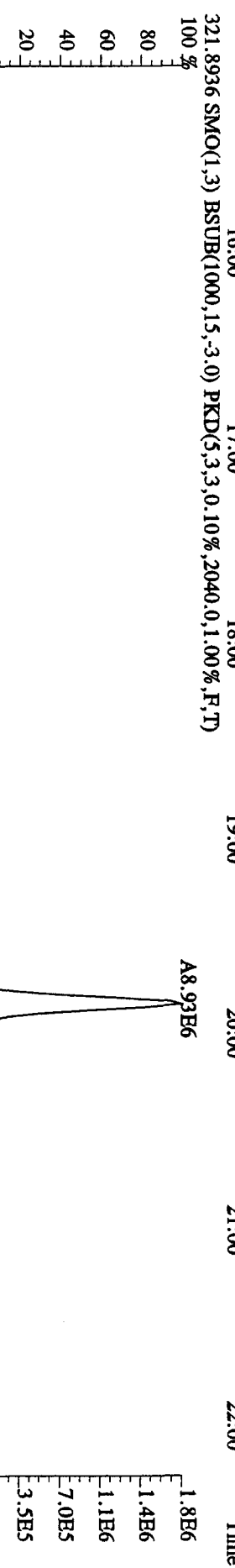
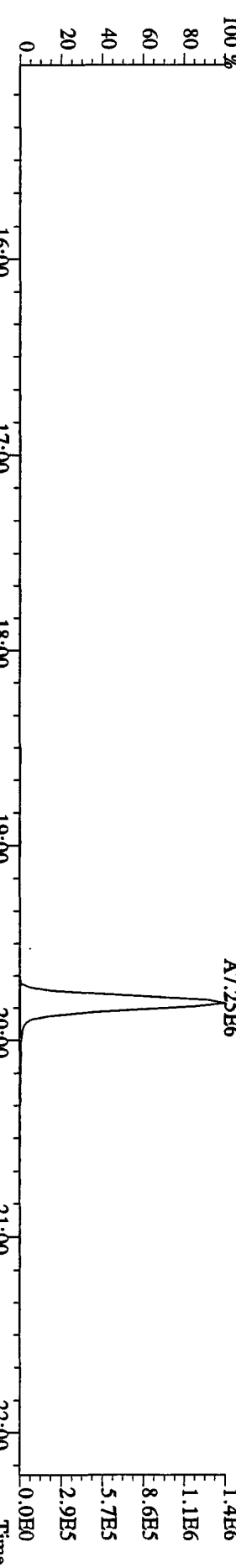
Name	Mean	S. D.	%RSD	12AP104D5				
				S4	S3	S2	S6	S5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	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
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

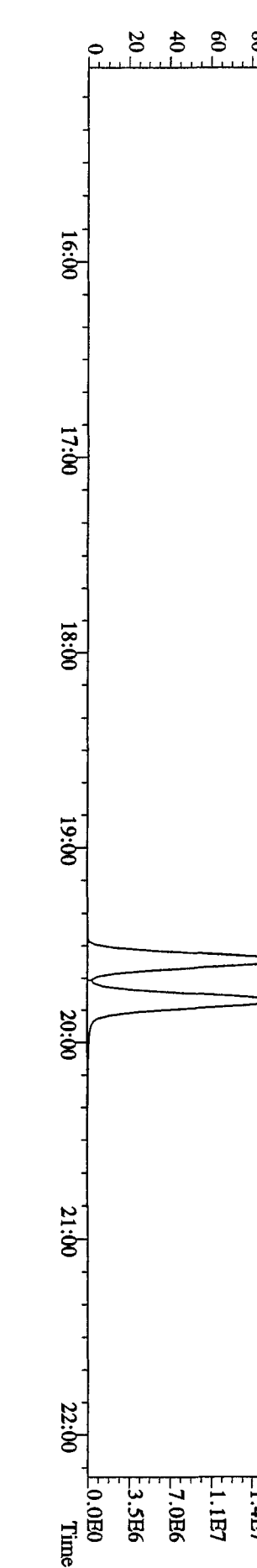
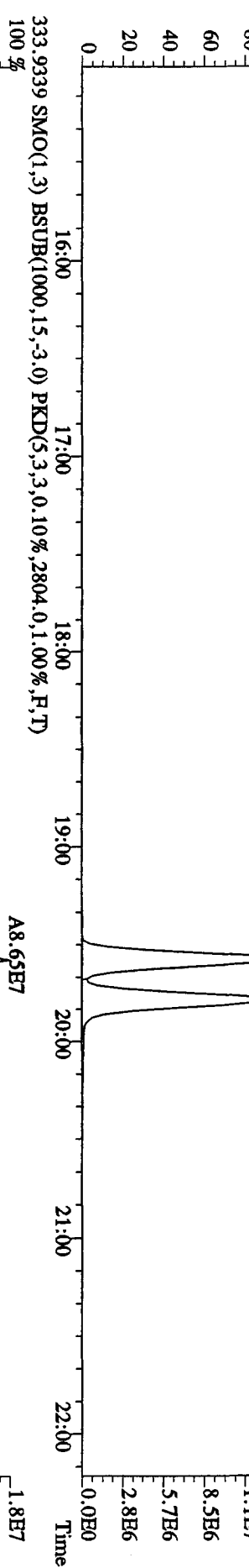
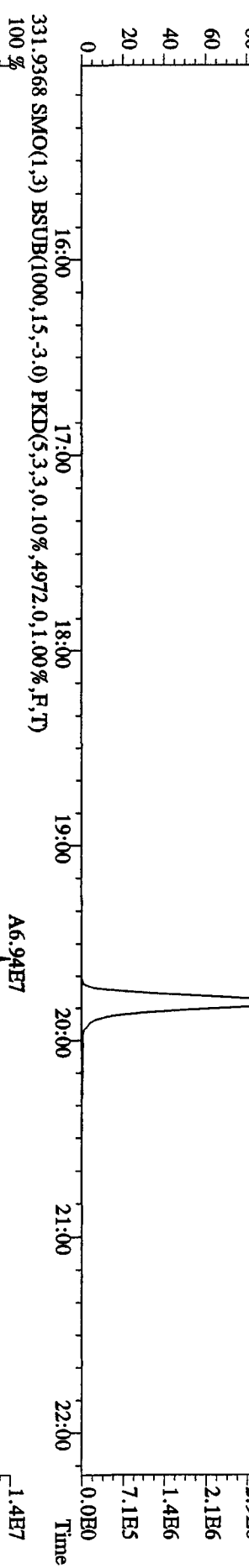
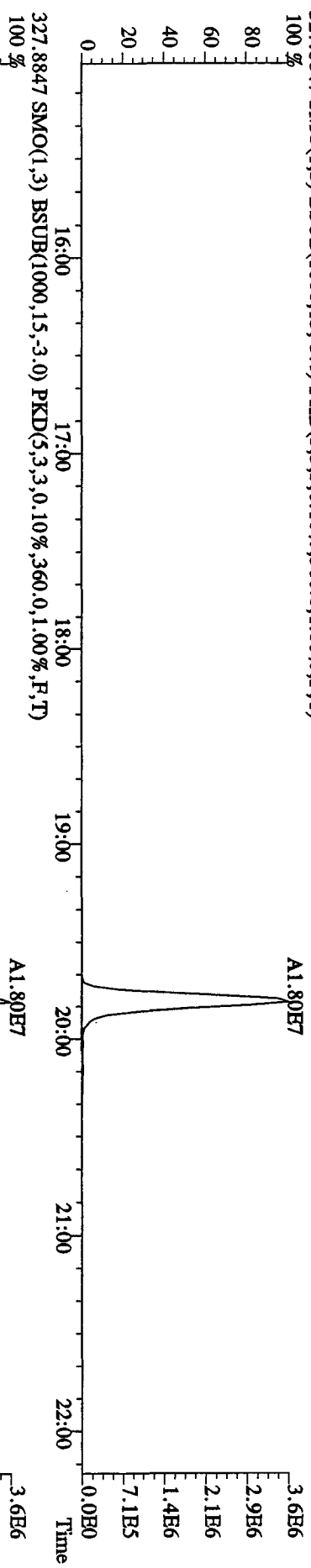
File: 21AP104D5 #1-435 Acq: 21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text: ST0421 :CS3 10DXN111 Exp: DIOXINRES8290A
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1012.0,1.00%,F,T)
 100%



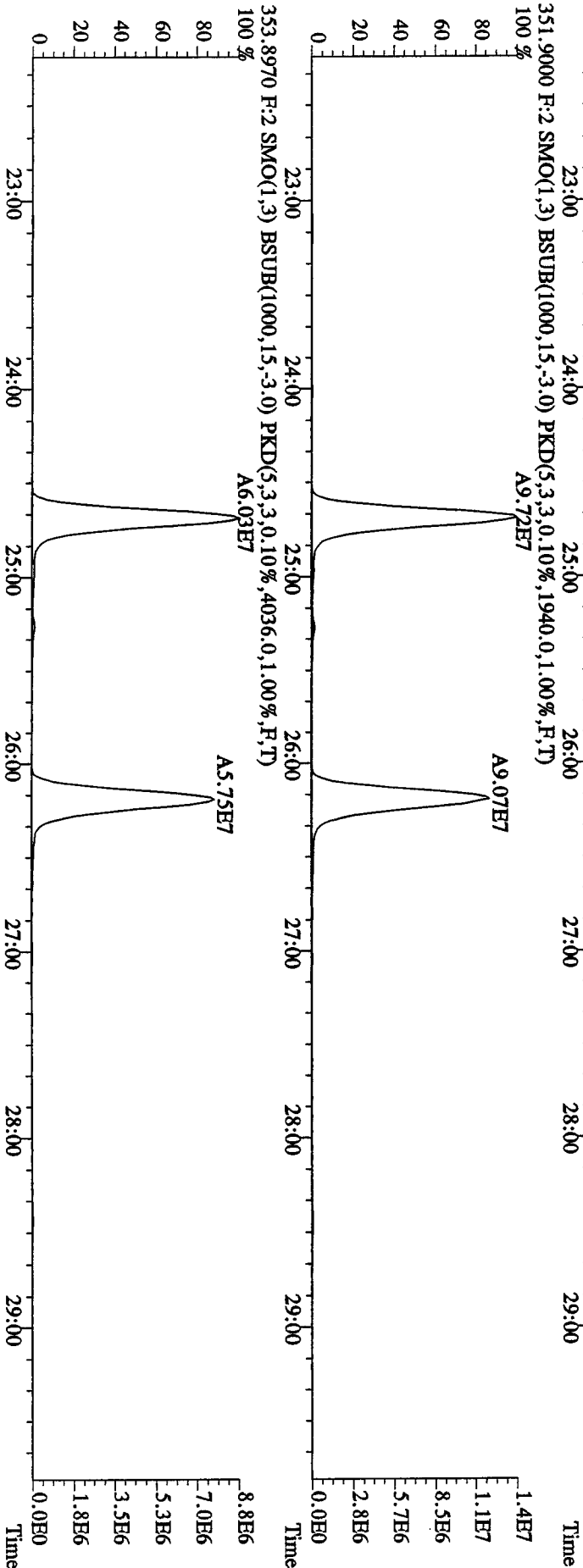
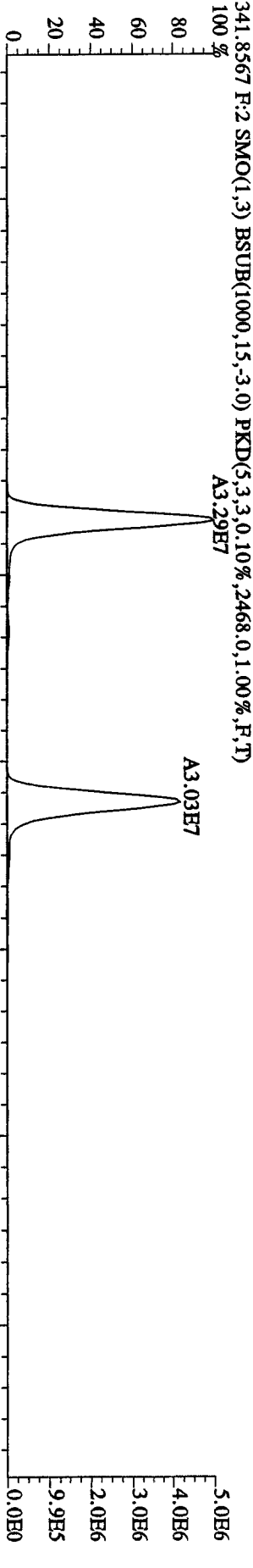
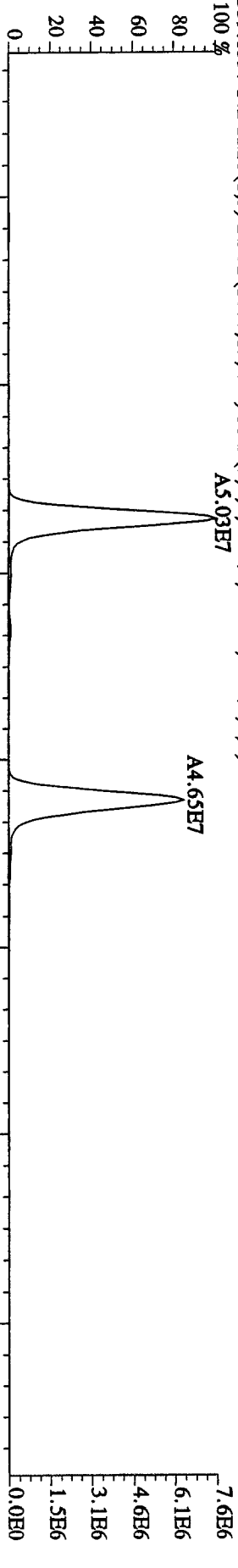
File:21AP104D5 #1-435 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1428,0.1,0.00%,F,T) 100%



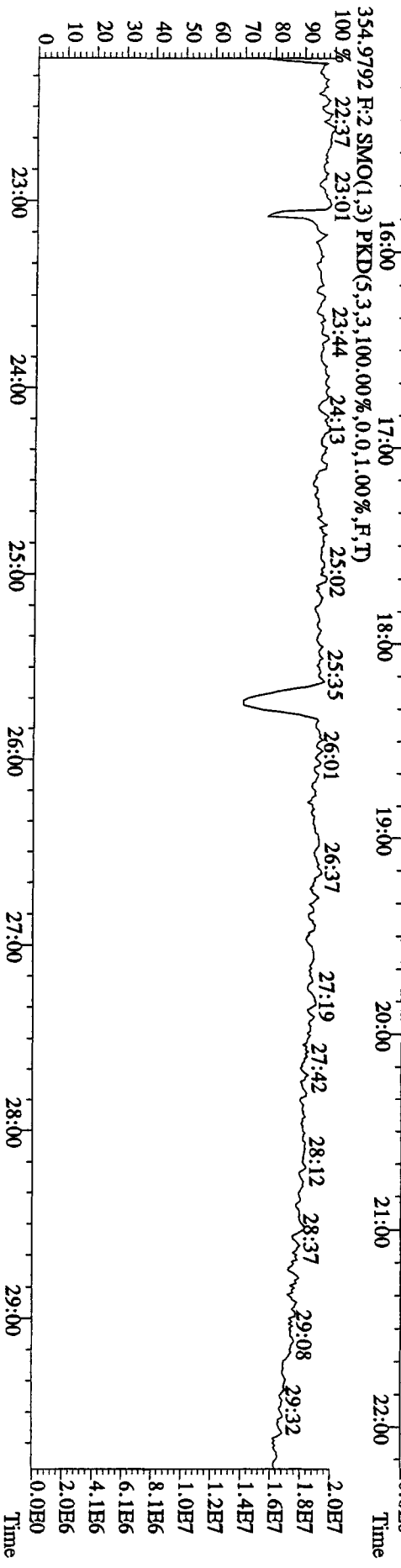
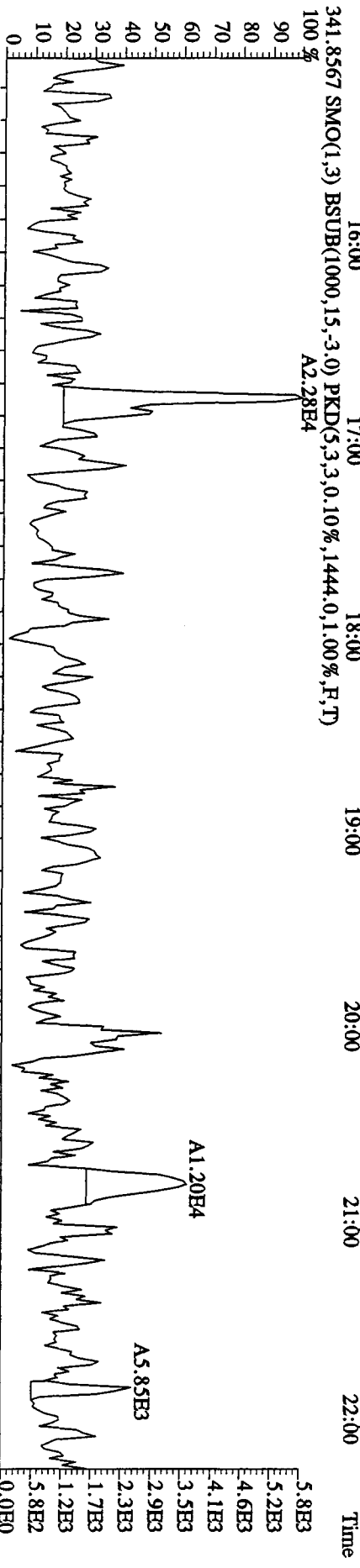
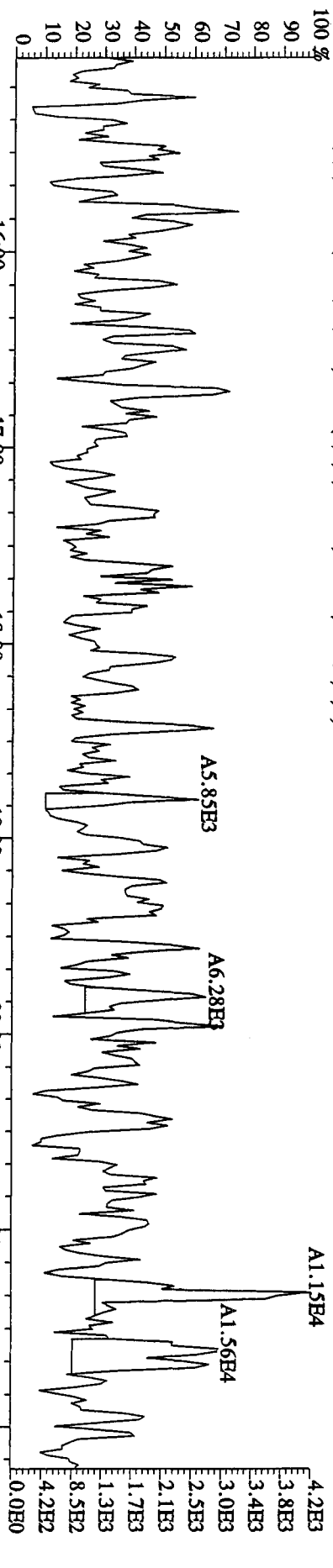
File:21AP104D5 #1-435 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,360.0,1.00%,F,T)
 100 %



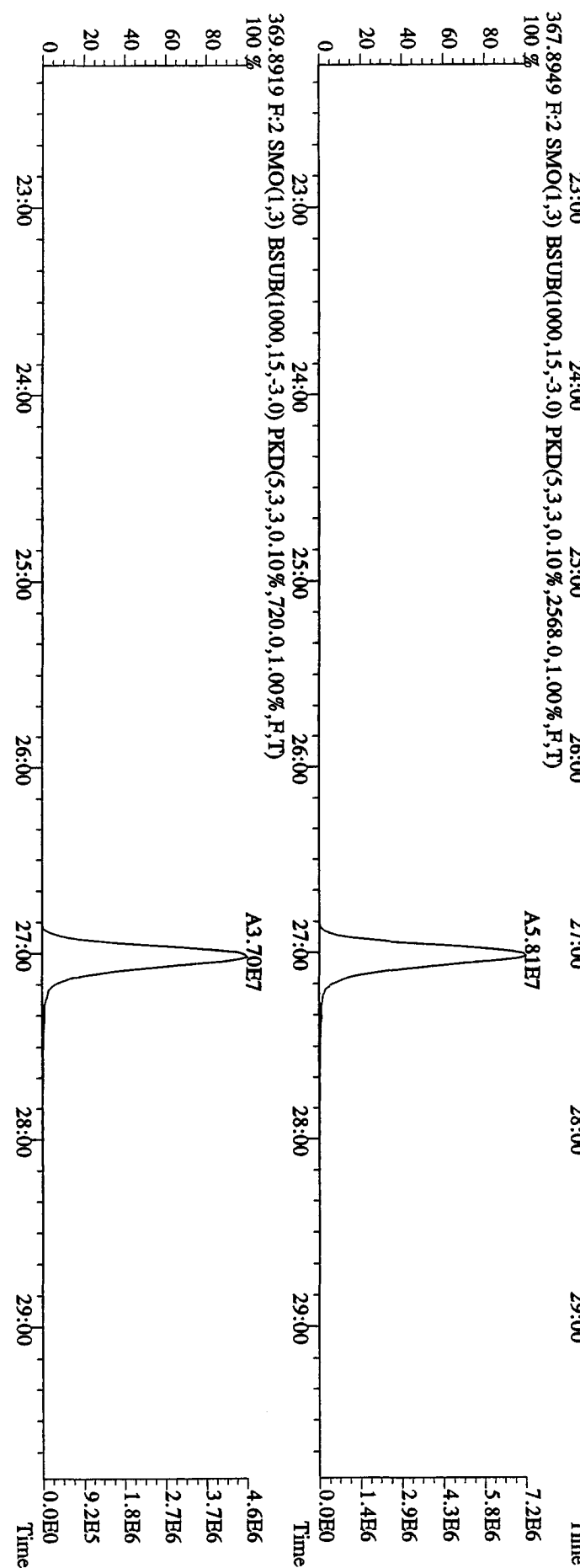
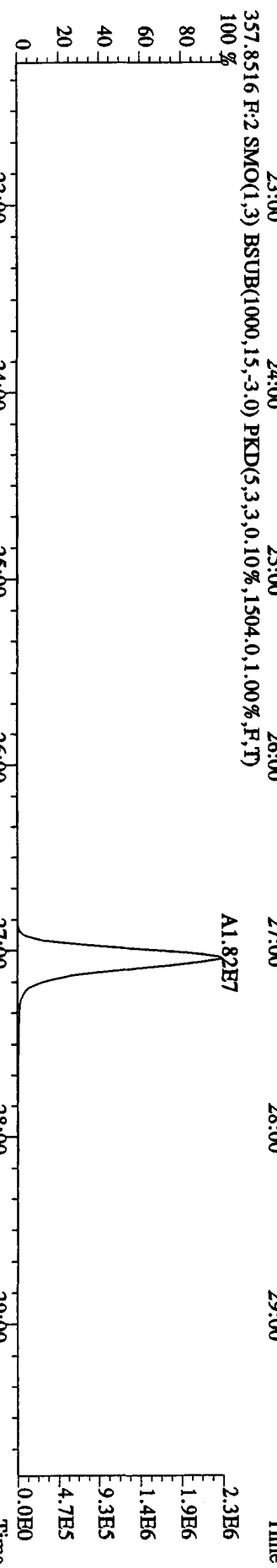
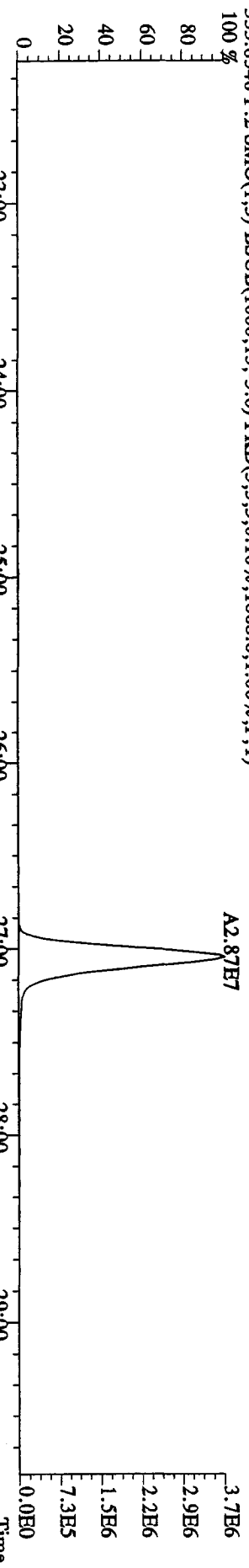
File:21API104D5 #1-604 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaB
Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2344,0,1,100%,F,T)
100%



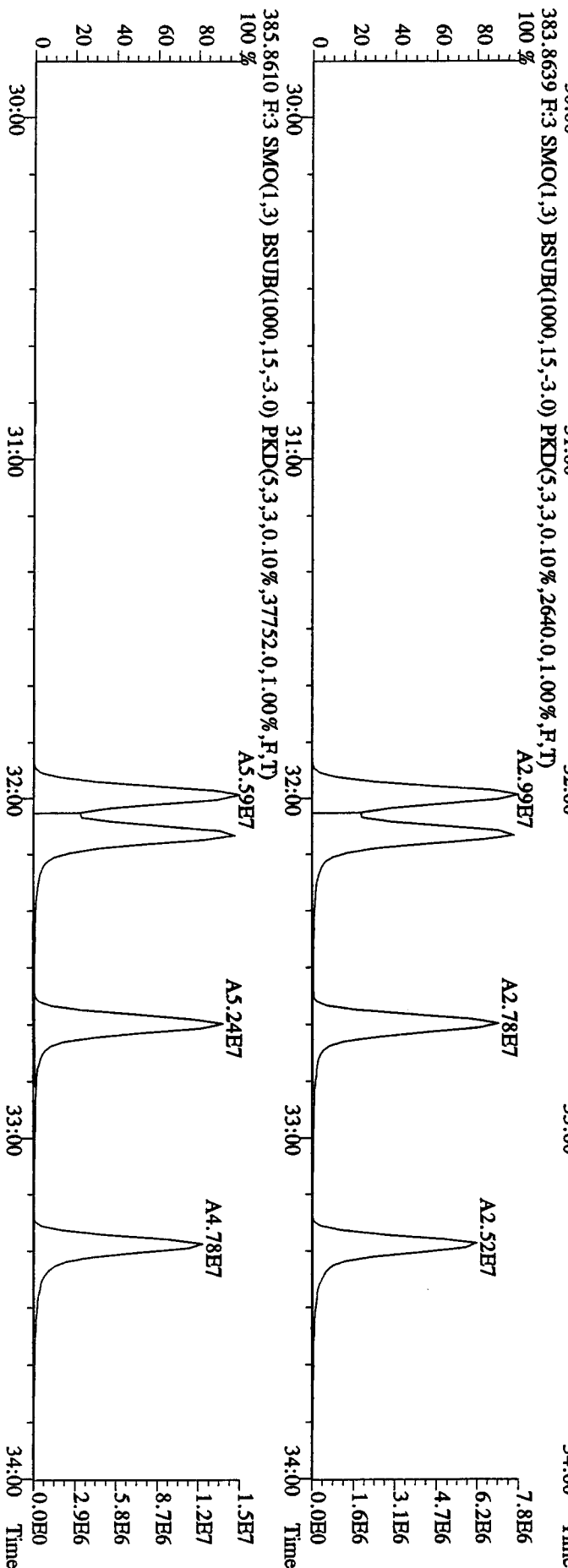
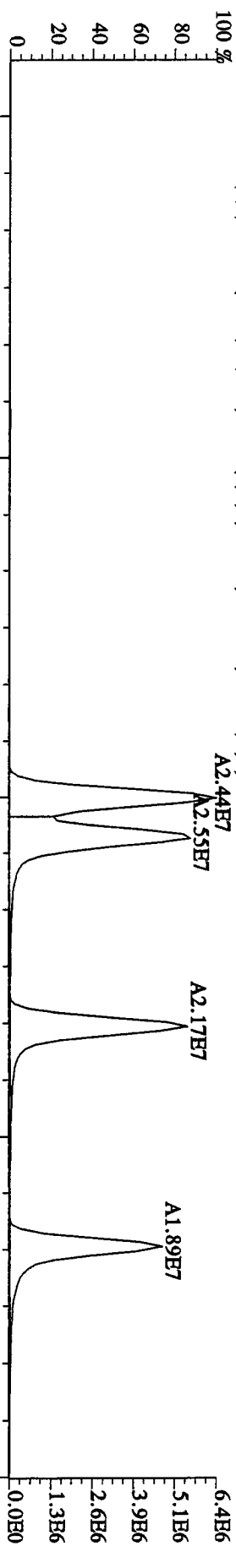
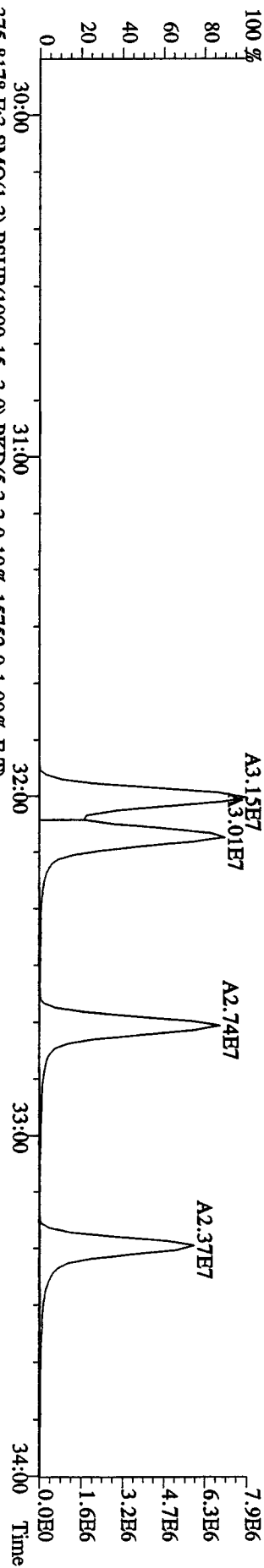
File: 21AP104D5 #1-435 Acq: 21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text: ST0421 : CSS 10DXN111 Exp: DIOXINRES8290A
 339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1656,0,1.00%,F,T)



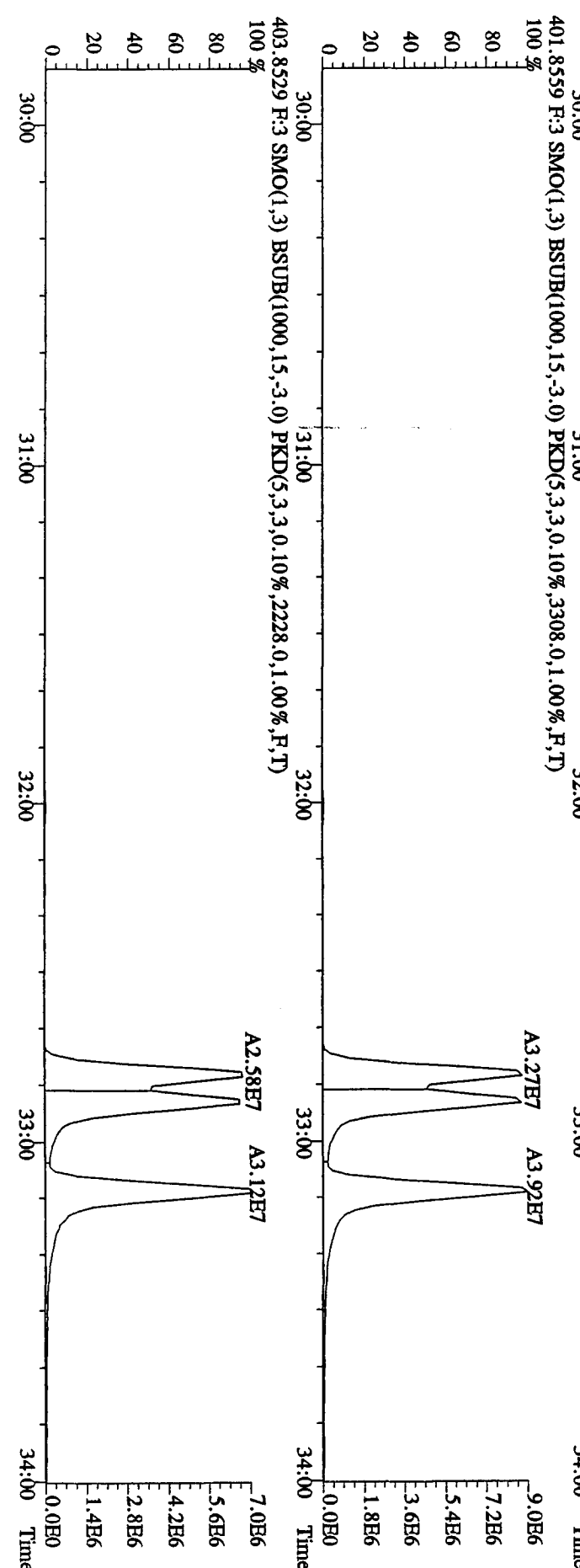
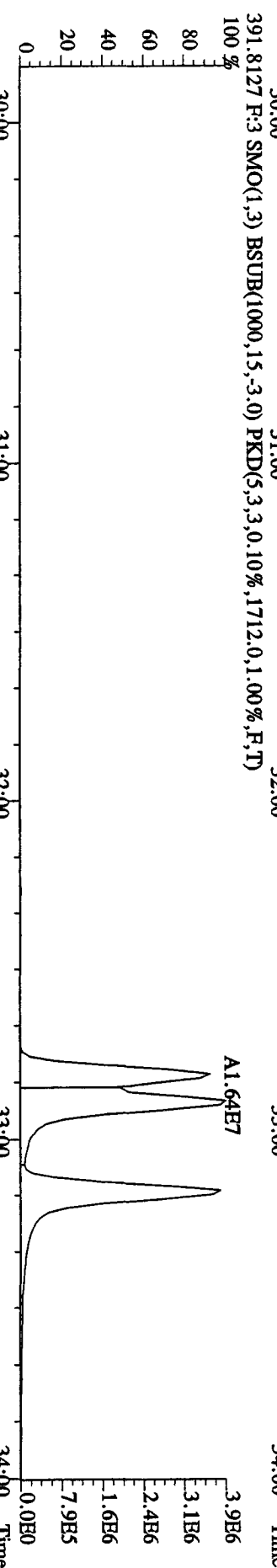
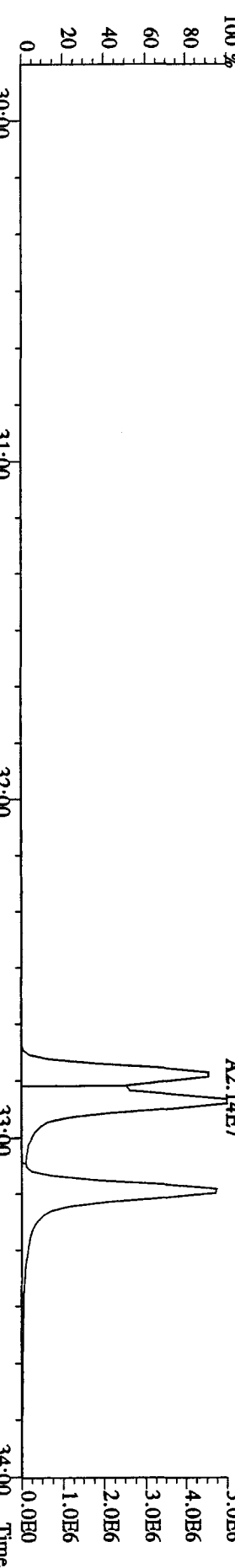
File:21AP104D5 #1-604 Acq:21-APR-2010 08:20:13 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
 357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1504.0,1.00%,F,T)
 100%



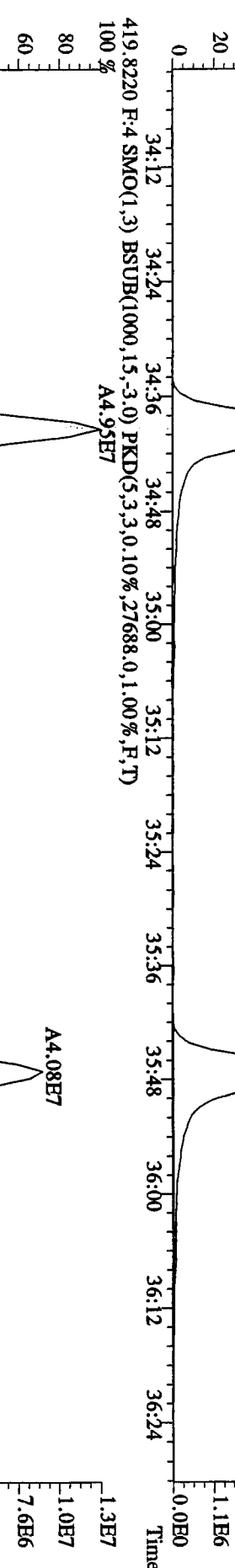
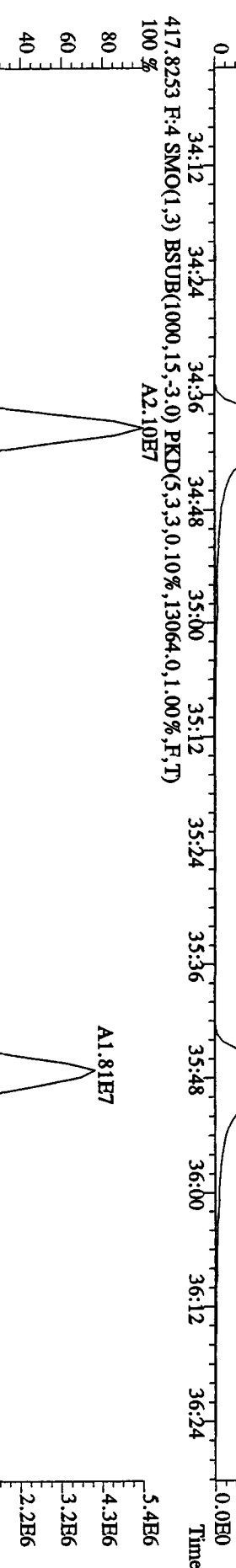
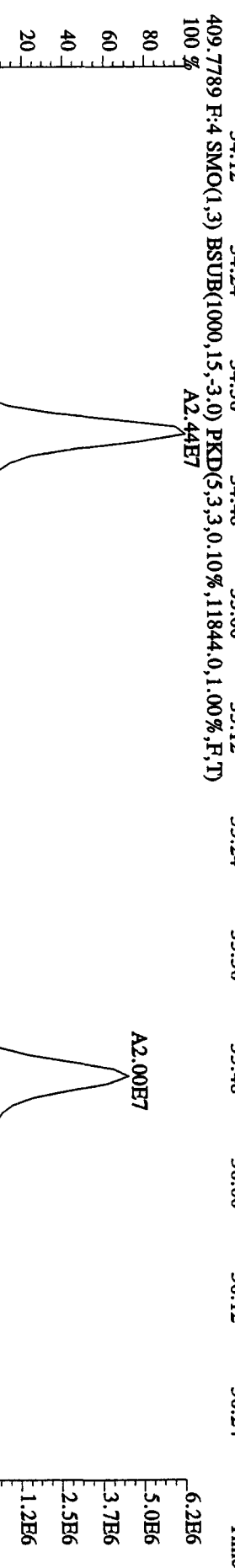
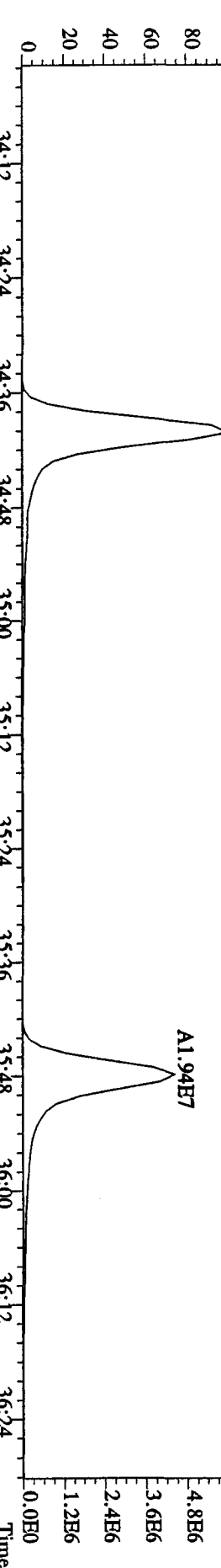
File:21AP104D5 #1-316 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
 375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15752.0,1.00%,F,T)
 100%



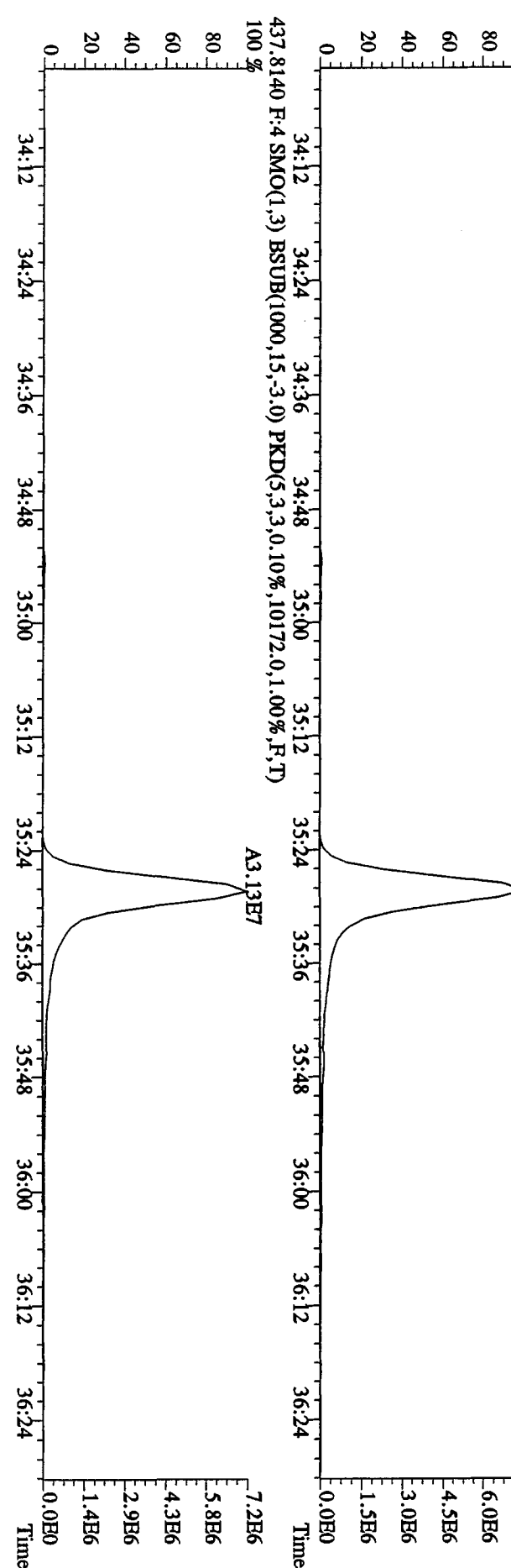
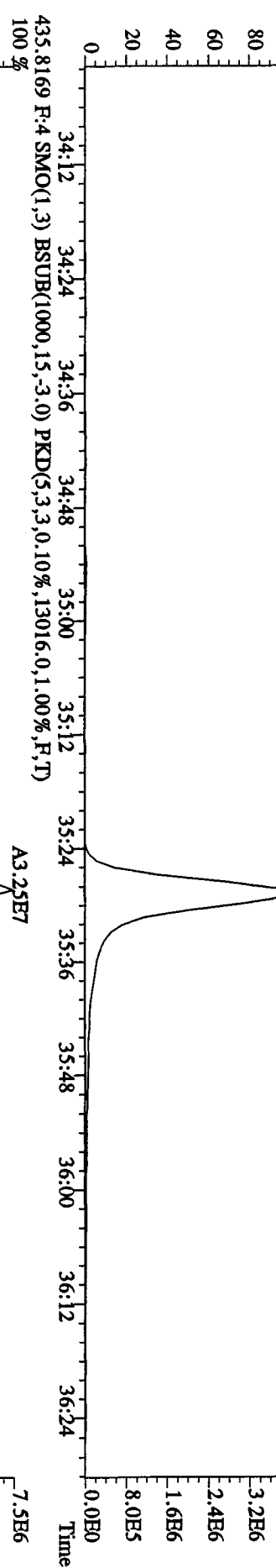
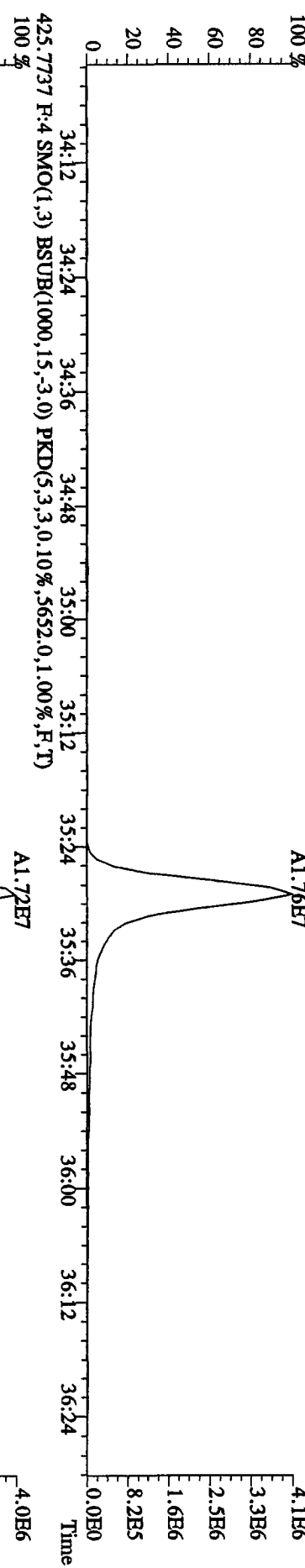
File:21ADP104D5 #1-316 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:ST0421 :CSS 10DXN111 Exp:DIOXINRES8290A
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2196.0,1.00%,F,T)



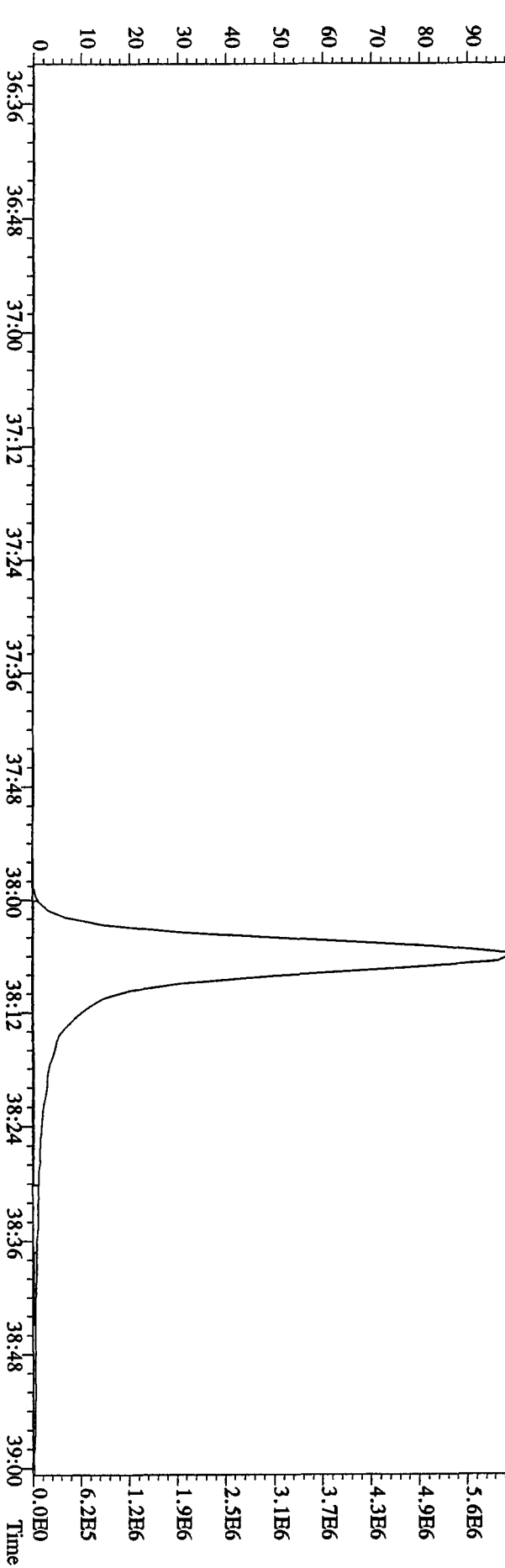
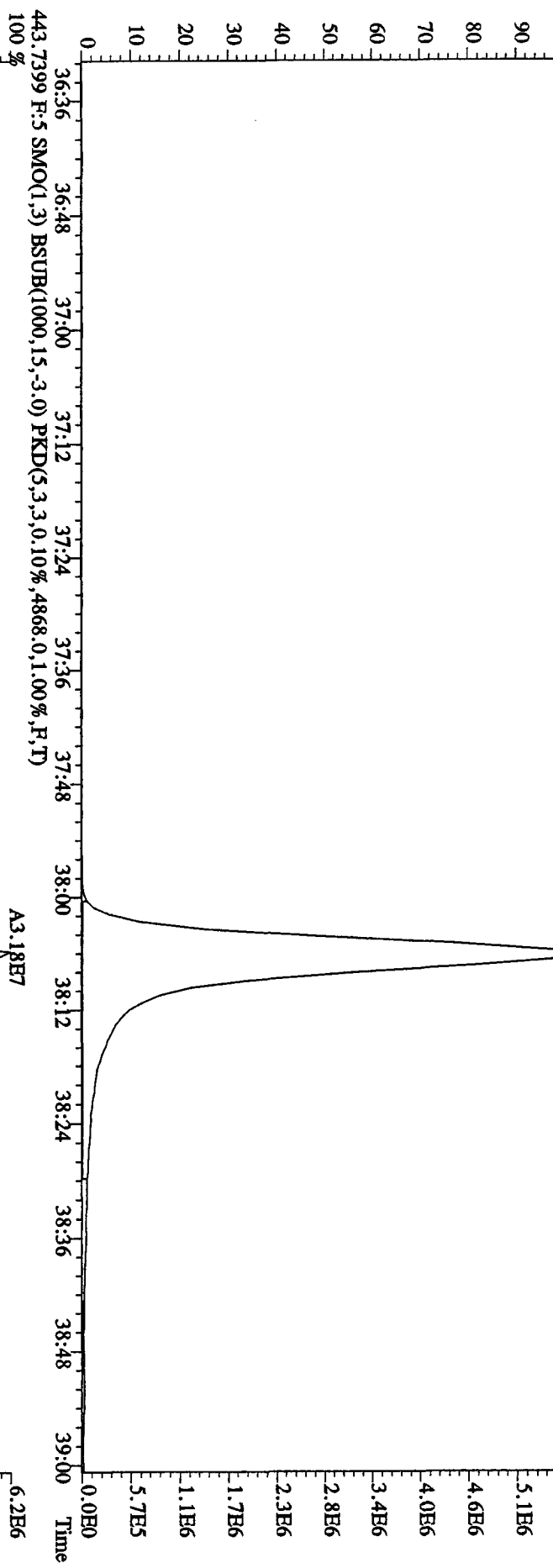
File:21ADP104D5 #1-198 Acq:21-APR-2010 08:20:13 GC EI+ Voltage:50V SIR Autospec-UltimaB
 Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12764.0,1.00%,F,T)
 100% A2.35E7



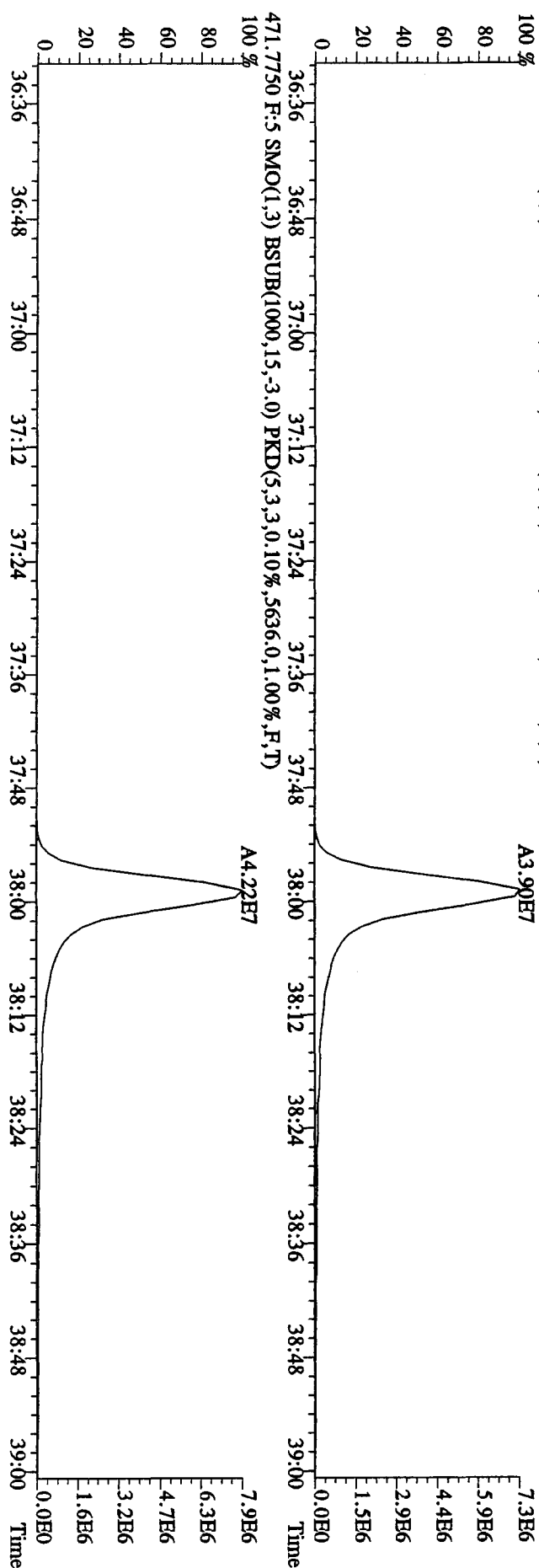
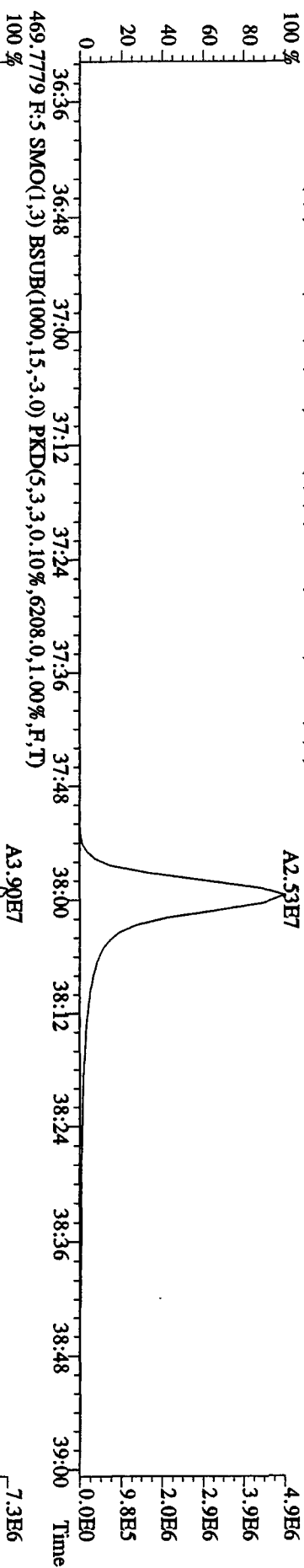
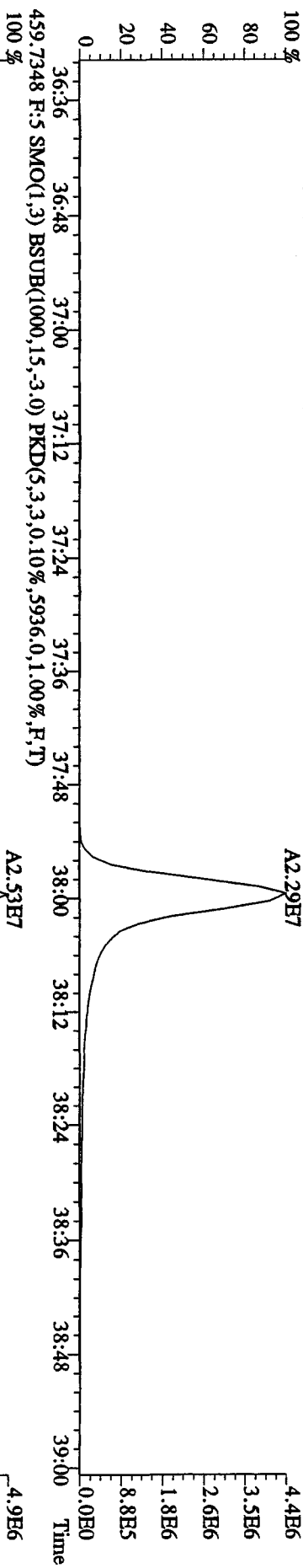
File:21AP104D5 #1-198 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8992.0,1.00%,F,T)



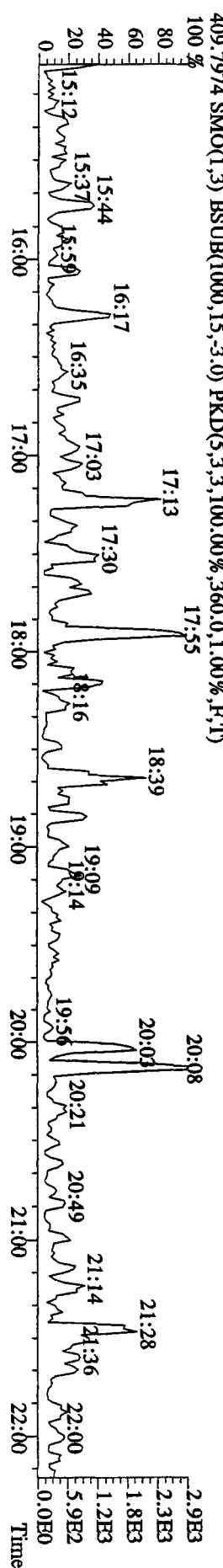
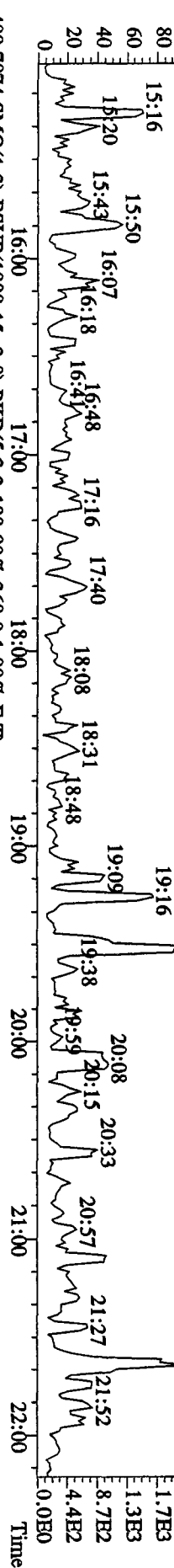
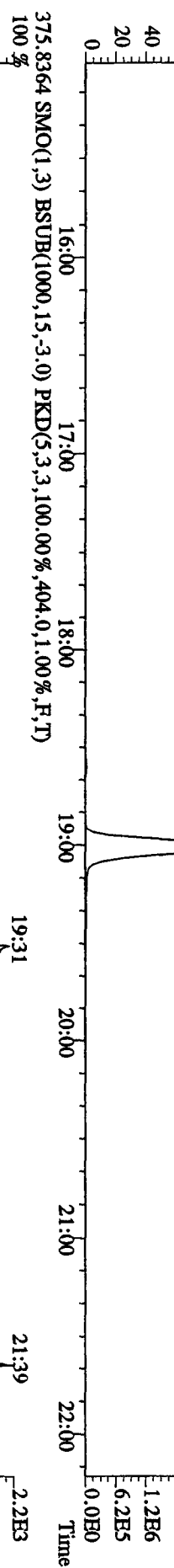
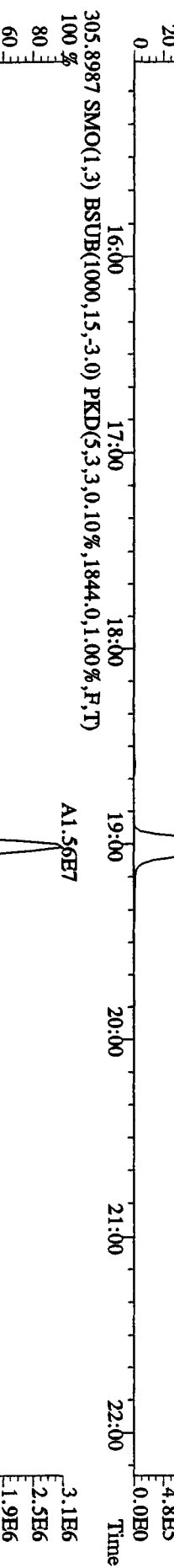
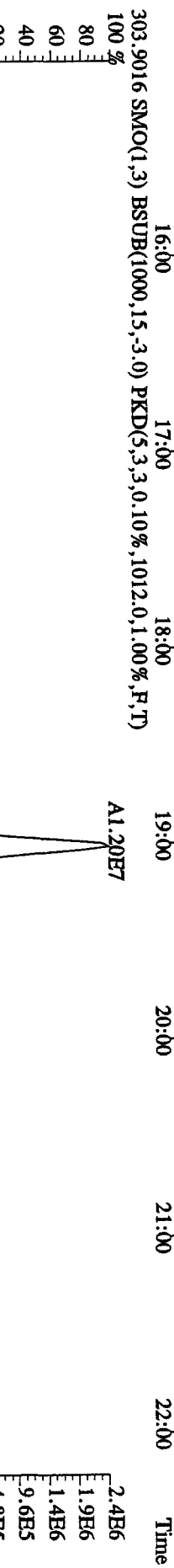
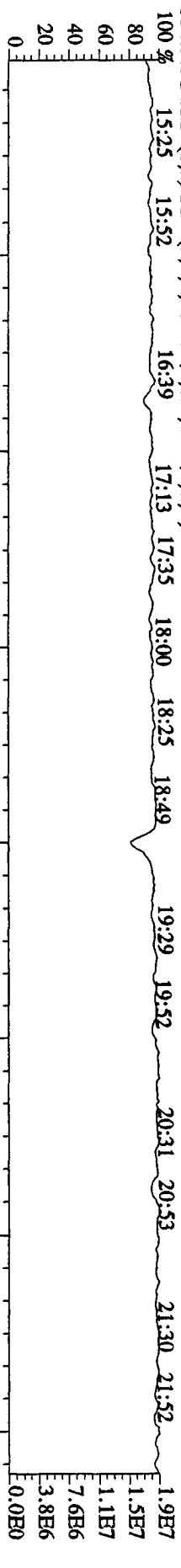
File: 21AP104D5 #1-191 Acq: 21-APR-2010 08:20:13 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#1 Text: ST0421 :CS3 10DXN111 Exp: DIOXINRES8290A
 441.7428 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3092.0,1.00%,F,T)

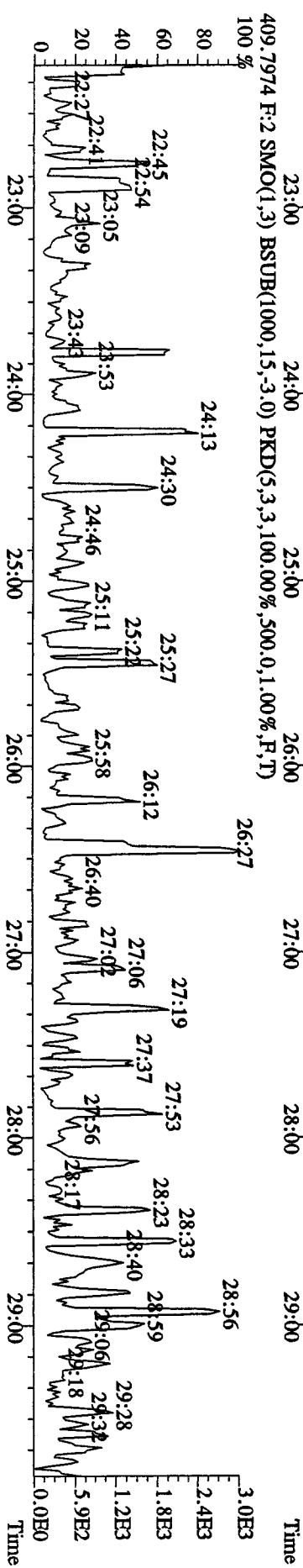
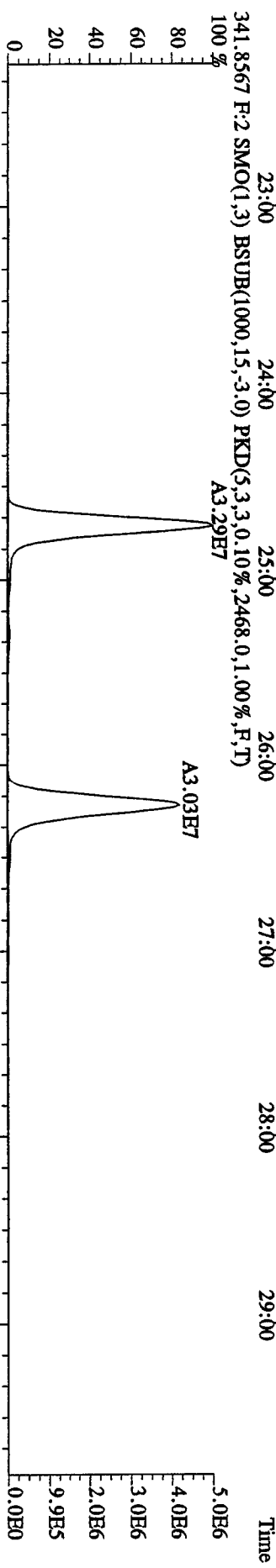
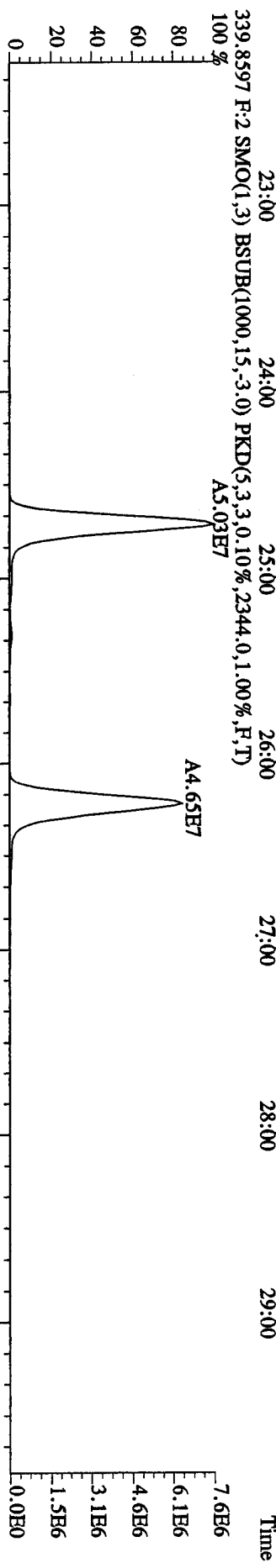
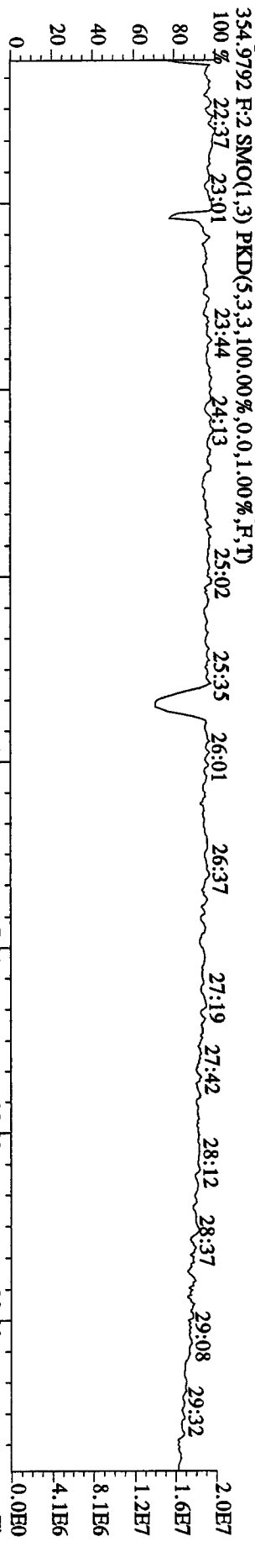


File:21AP104D5 #1-191 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-Ultimate
Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7632.0,1.00%,F,T) 100%

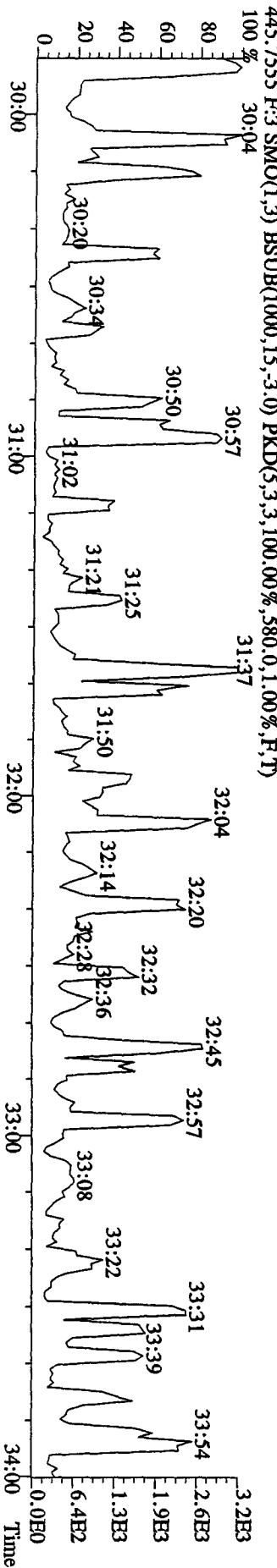
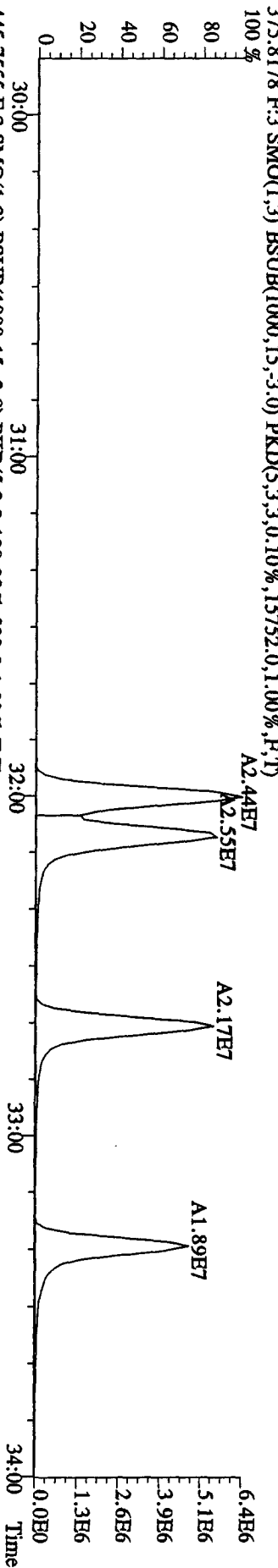
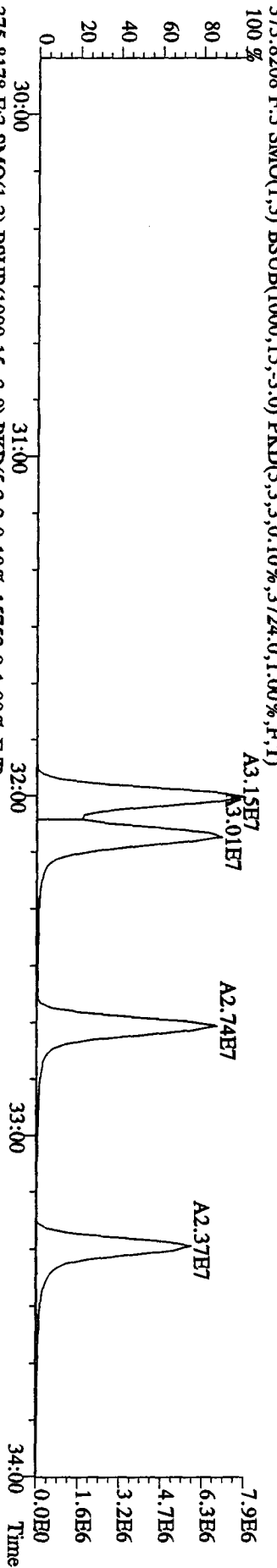
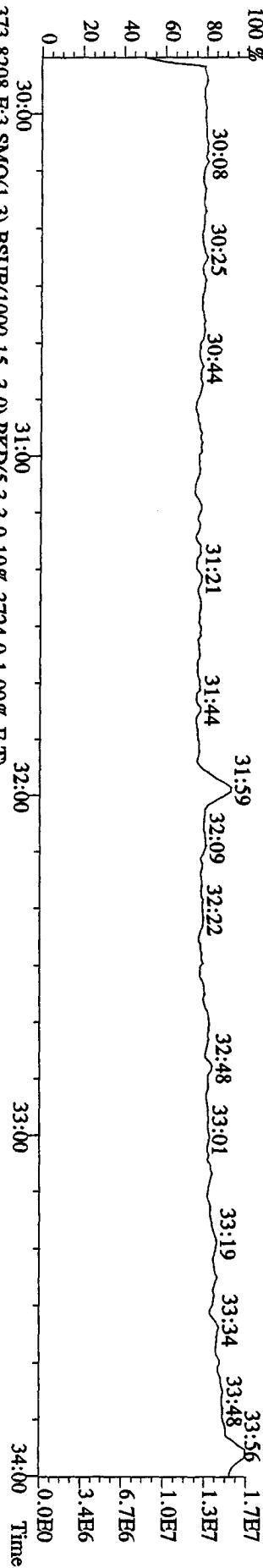


File: 21API04D5 #1-435 Acq: 21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text: ST0421 :CS3 10DXN111 Exp: DIOXINRES8290A

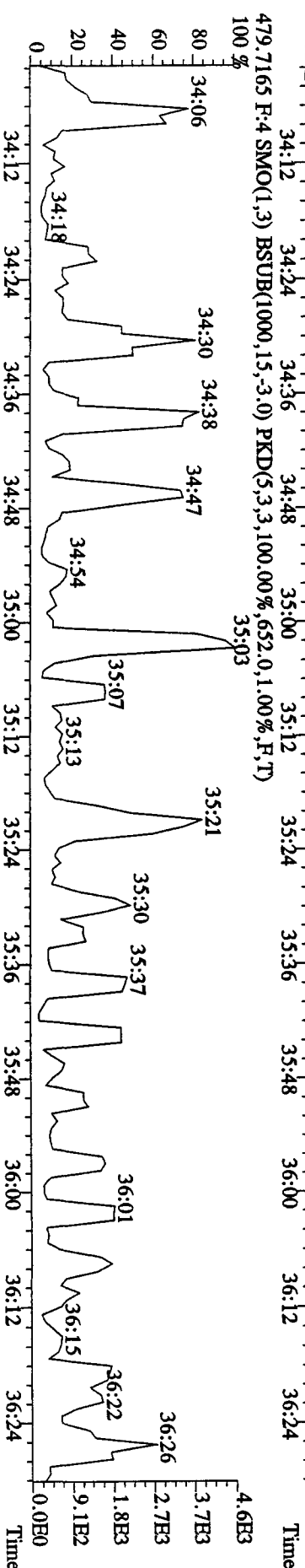
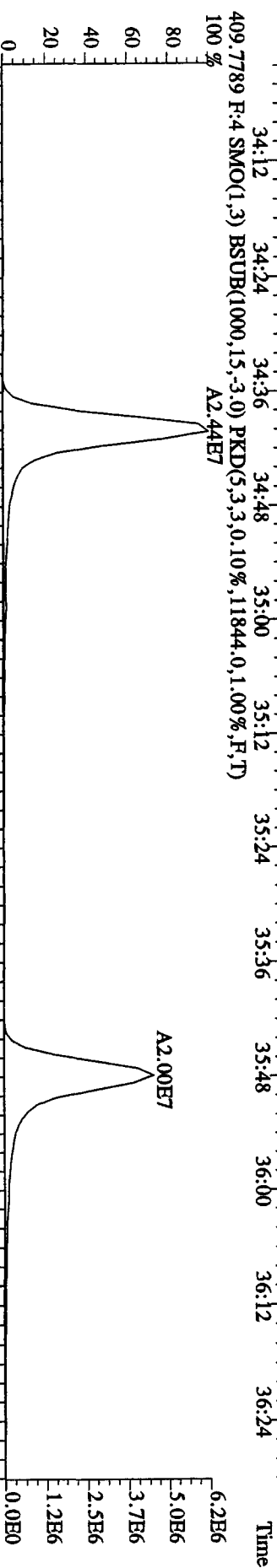
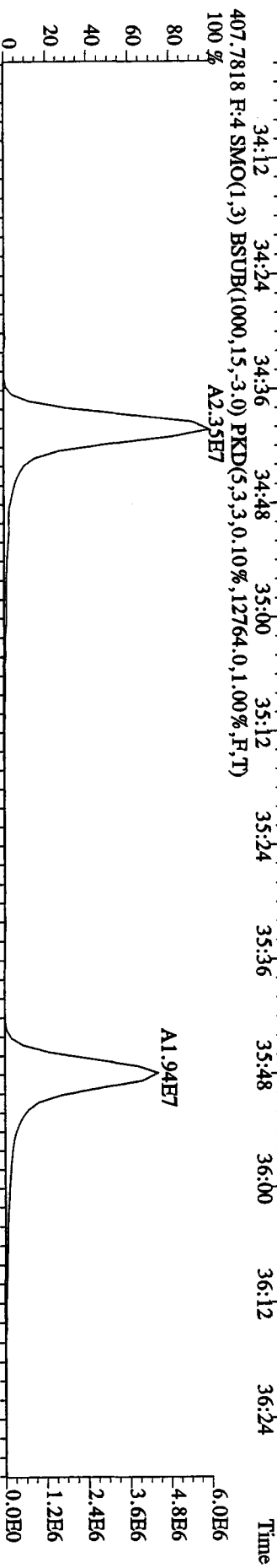
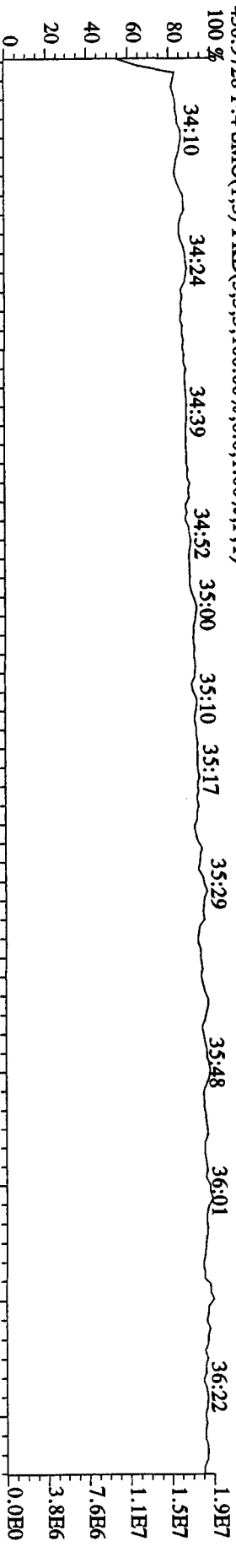




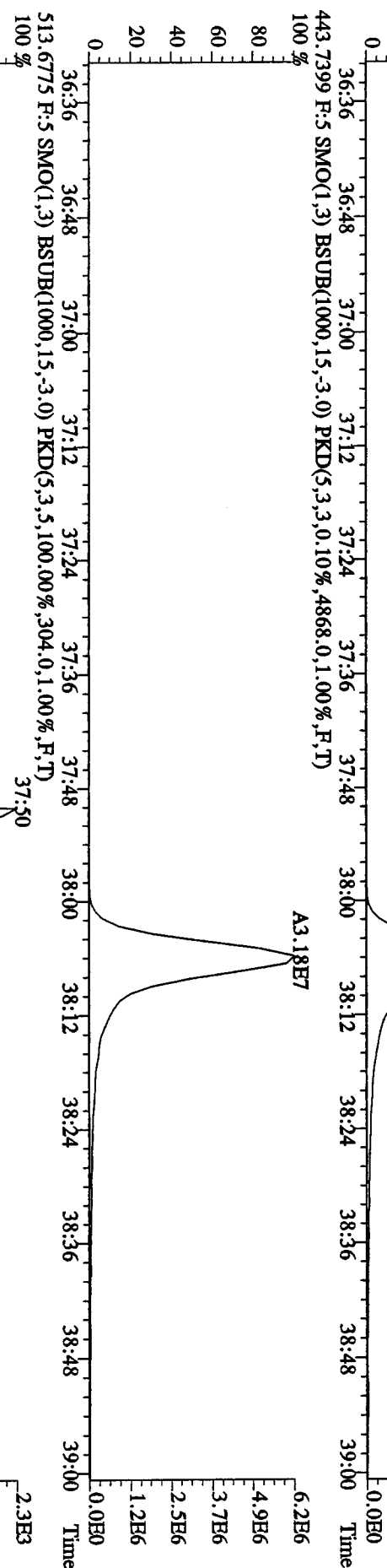
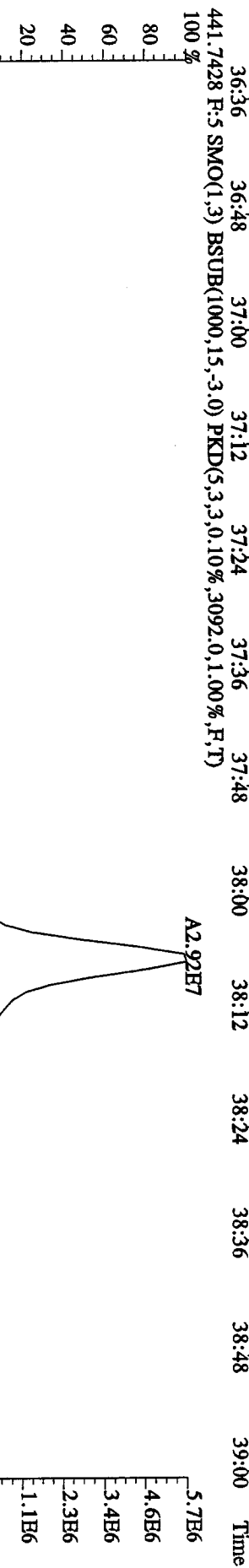
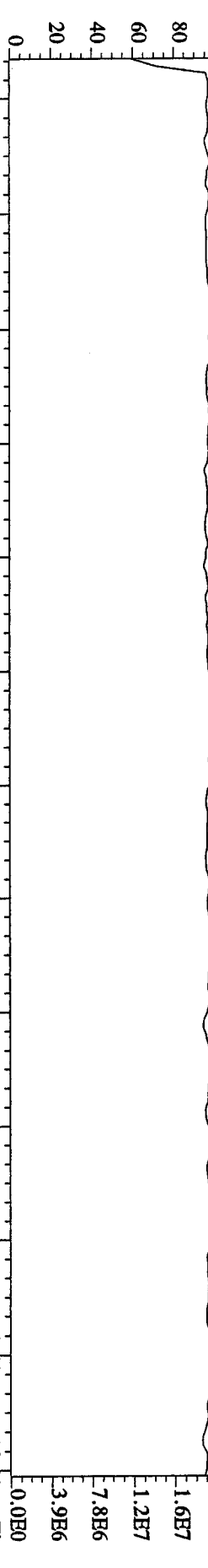
File: 21AP104D5 #1-316 Acq: 21-APR-2010 08:20:13 GC HI + Voltage SIR Autospec-UltimaB
 Sample#1 Text: ST0421 : CS3 10DXN111 Exp: DIOXINRES8290A
 430.9728 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



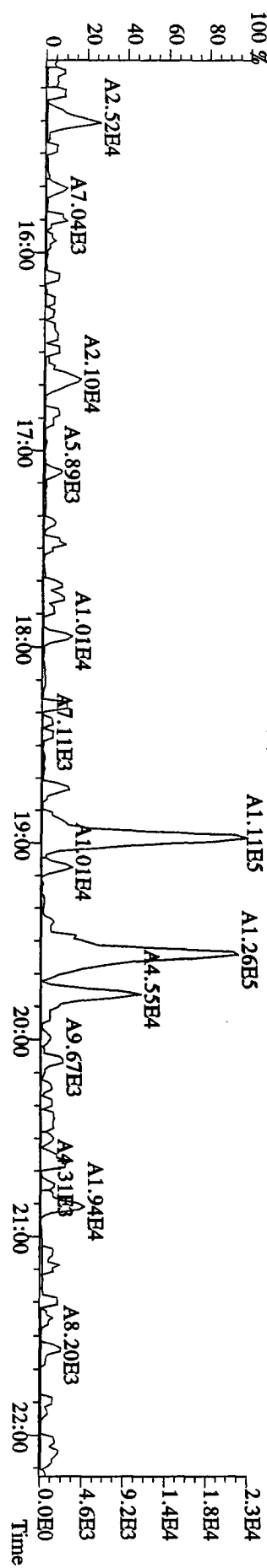
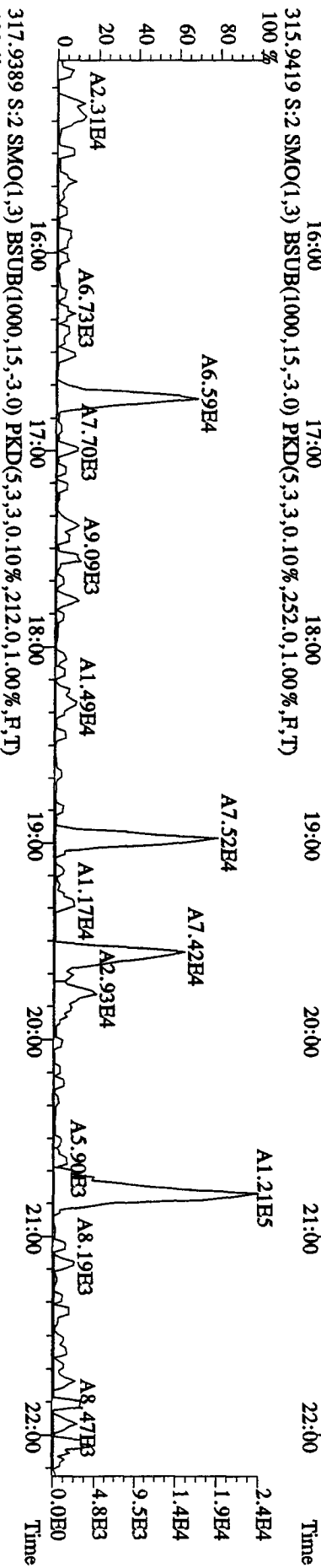
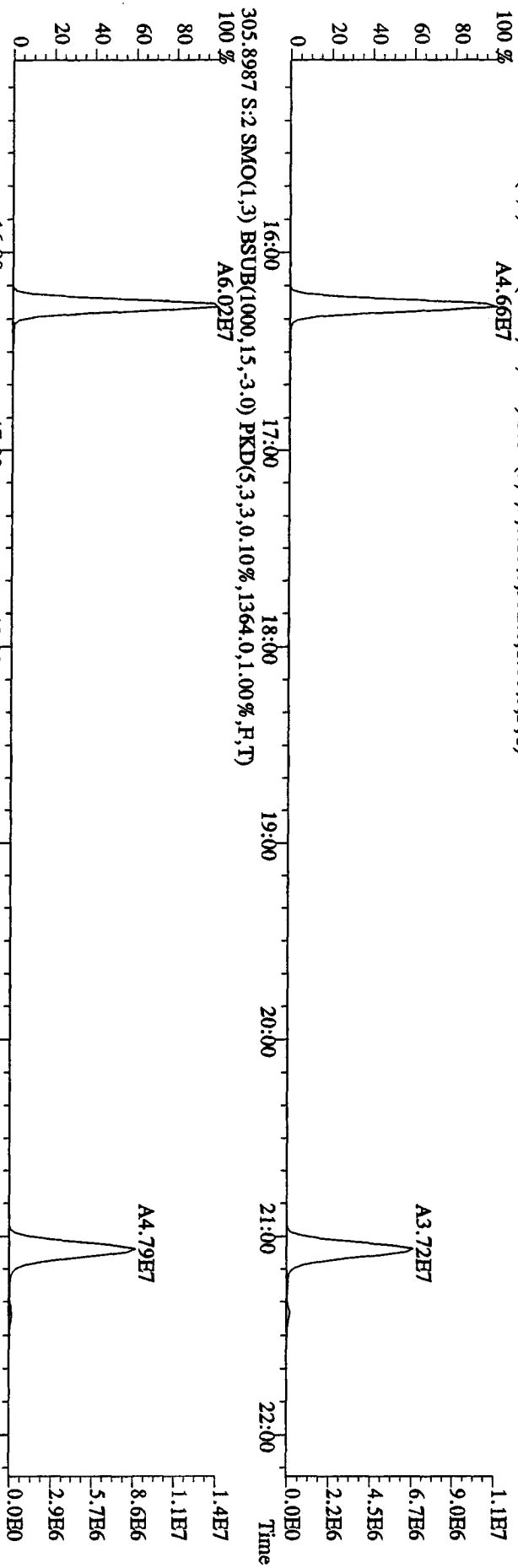
File: 21ADP104D5 #1-198 Acq: 21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text: ST0421 :CS3 10DXN111 Exp: DIOXINRES8290A
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 479.7165 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,652.0,1.00%,F,T)



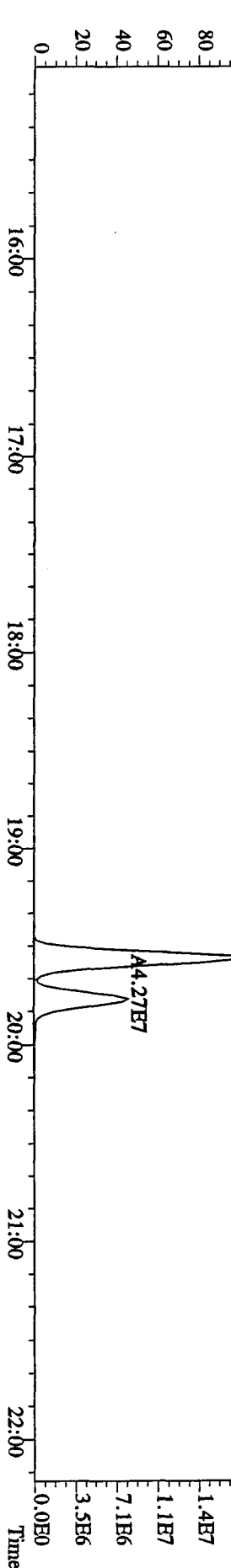
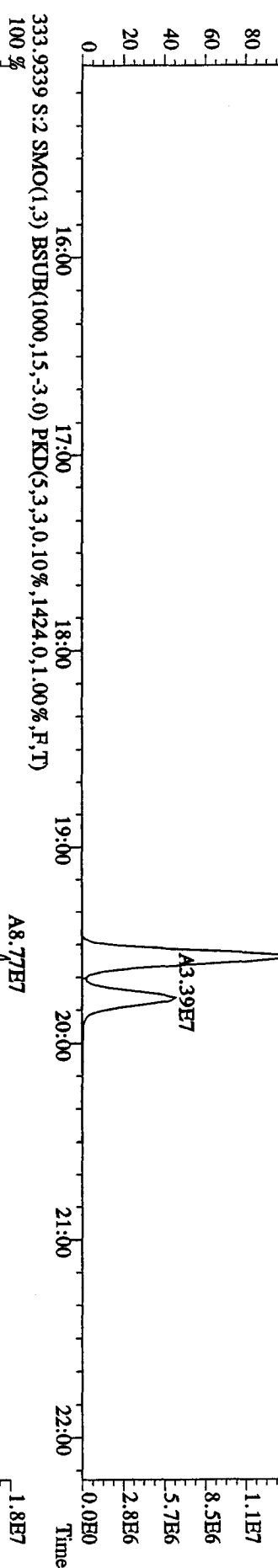
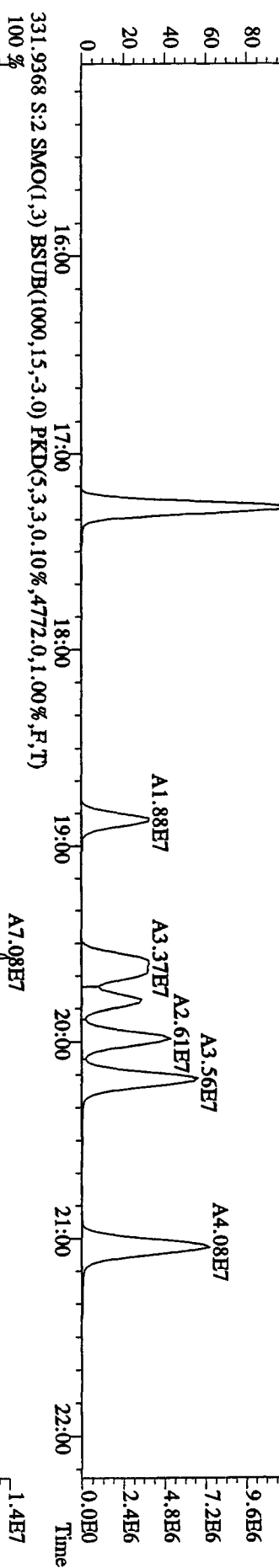
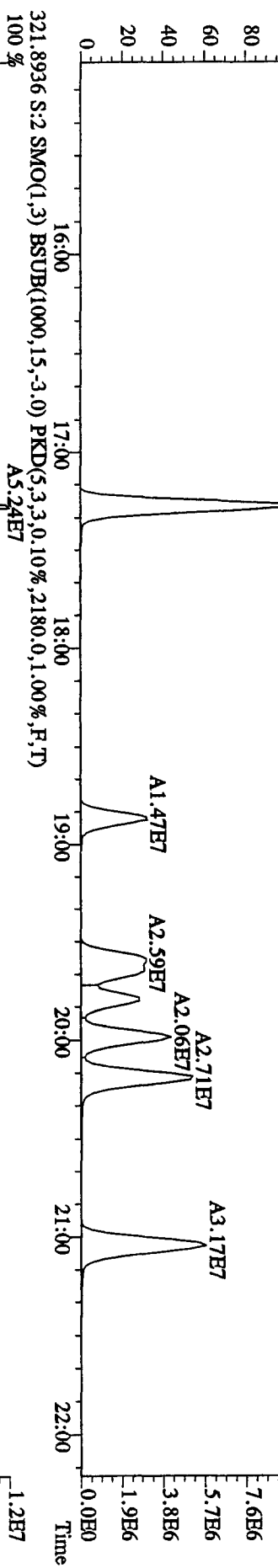
File:21AP104D5 #1-191 Acq:21-APR-2010 08:20:13 GC EI+ Voltage SIR Autospec-UltimatE
 Sample#1 Text:ST0421 :CS3 10DXN111 Exp:DIOXINRES8290A
 442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



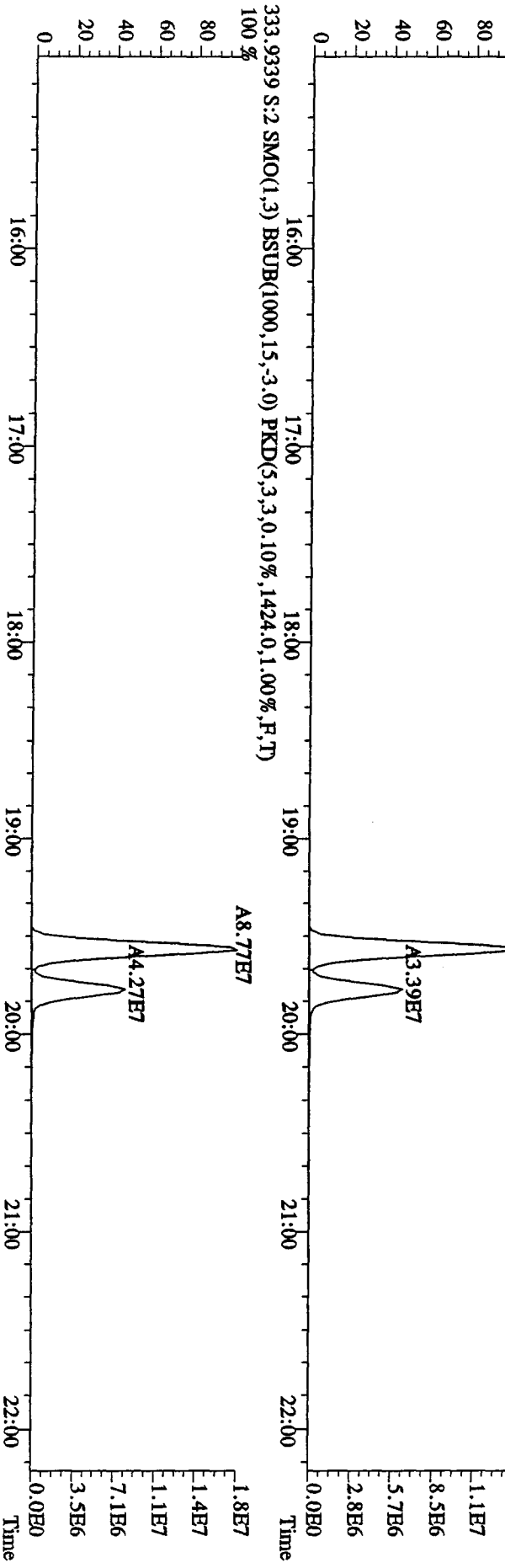
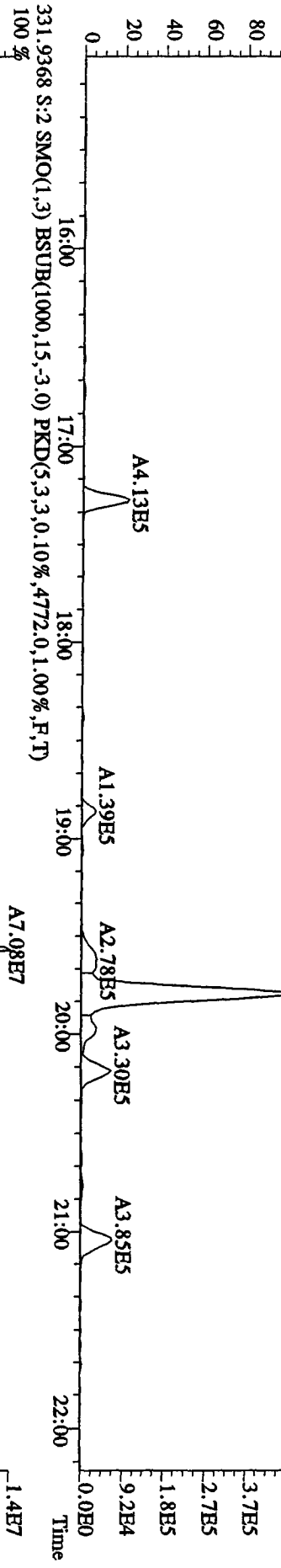
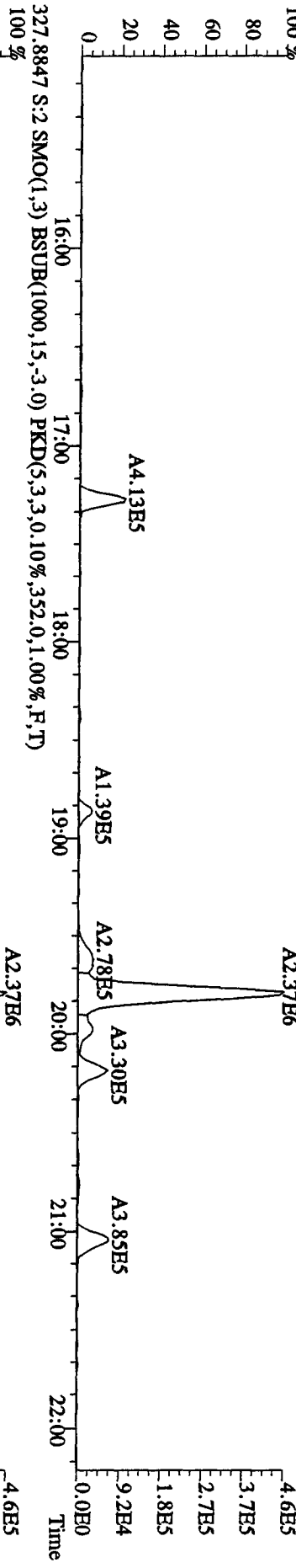
File: 21AP104D5 #1-434 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRESS8290A
 305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1364,0.1,0.00%,F,T)
 100% A4.66E7



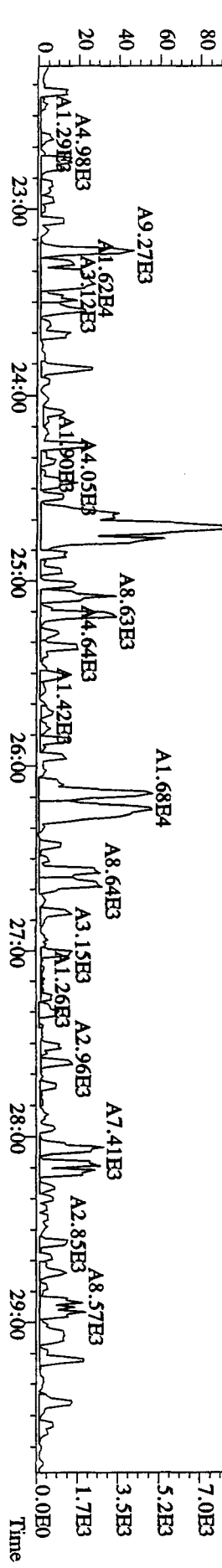
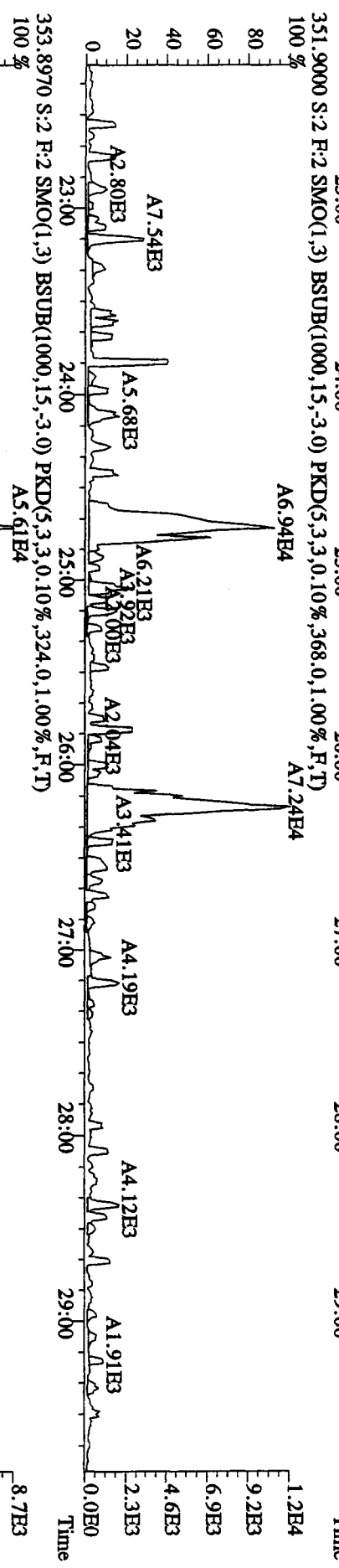
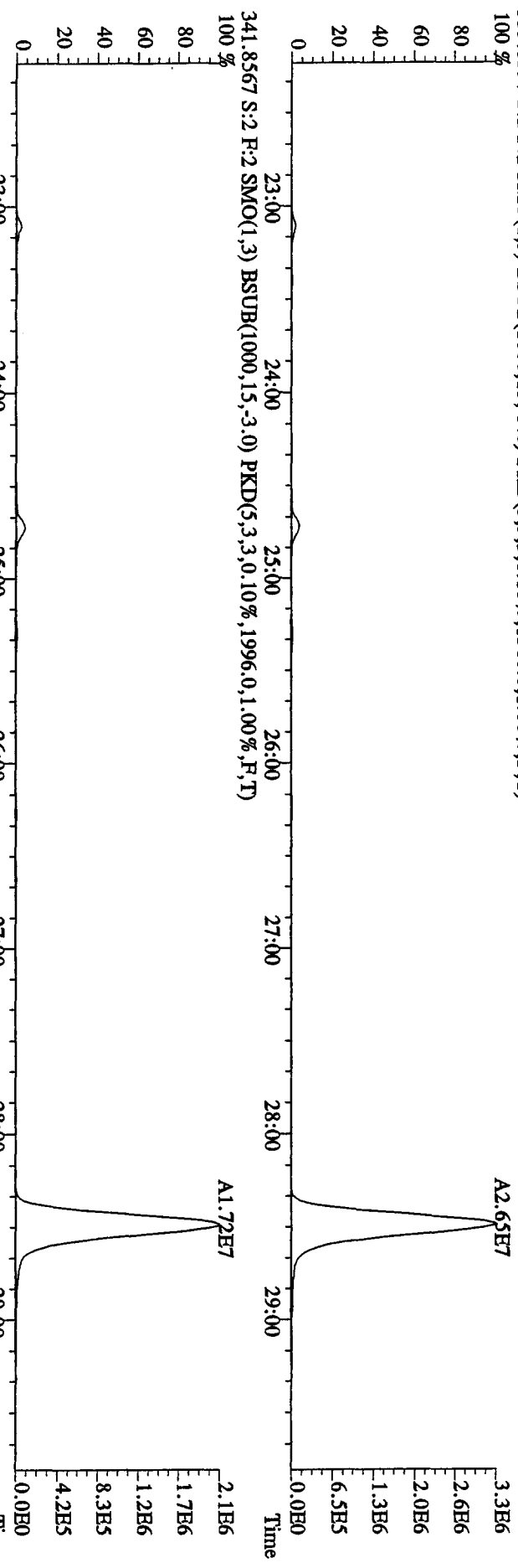
File: 21AP104D5 #1-434 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2084,0,1,00%,F,T) A4.09E7



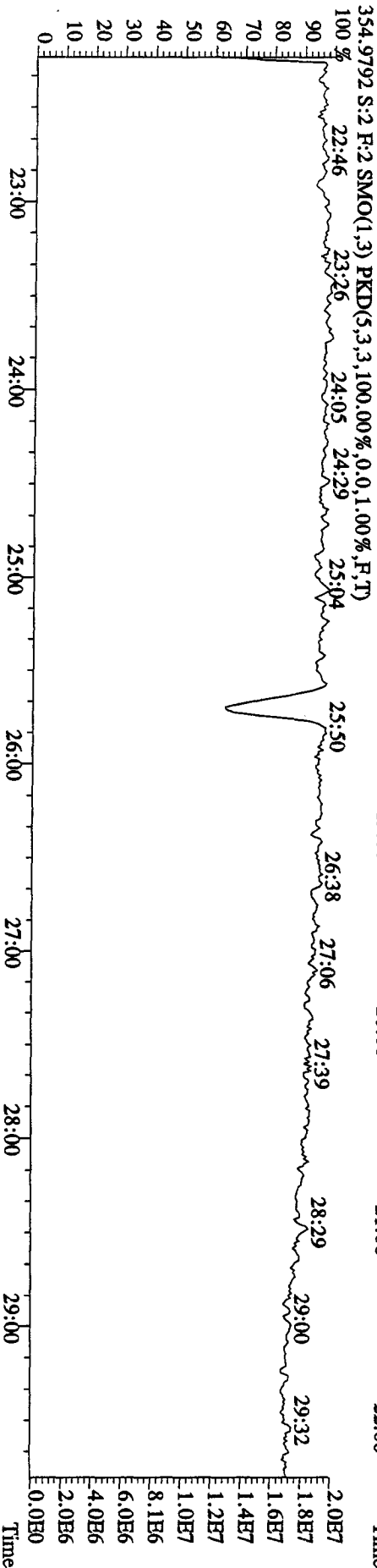
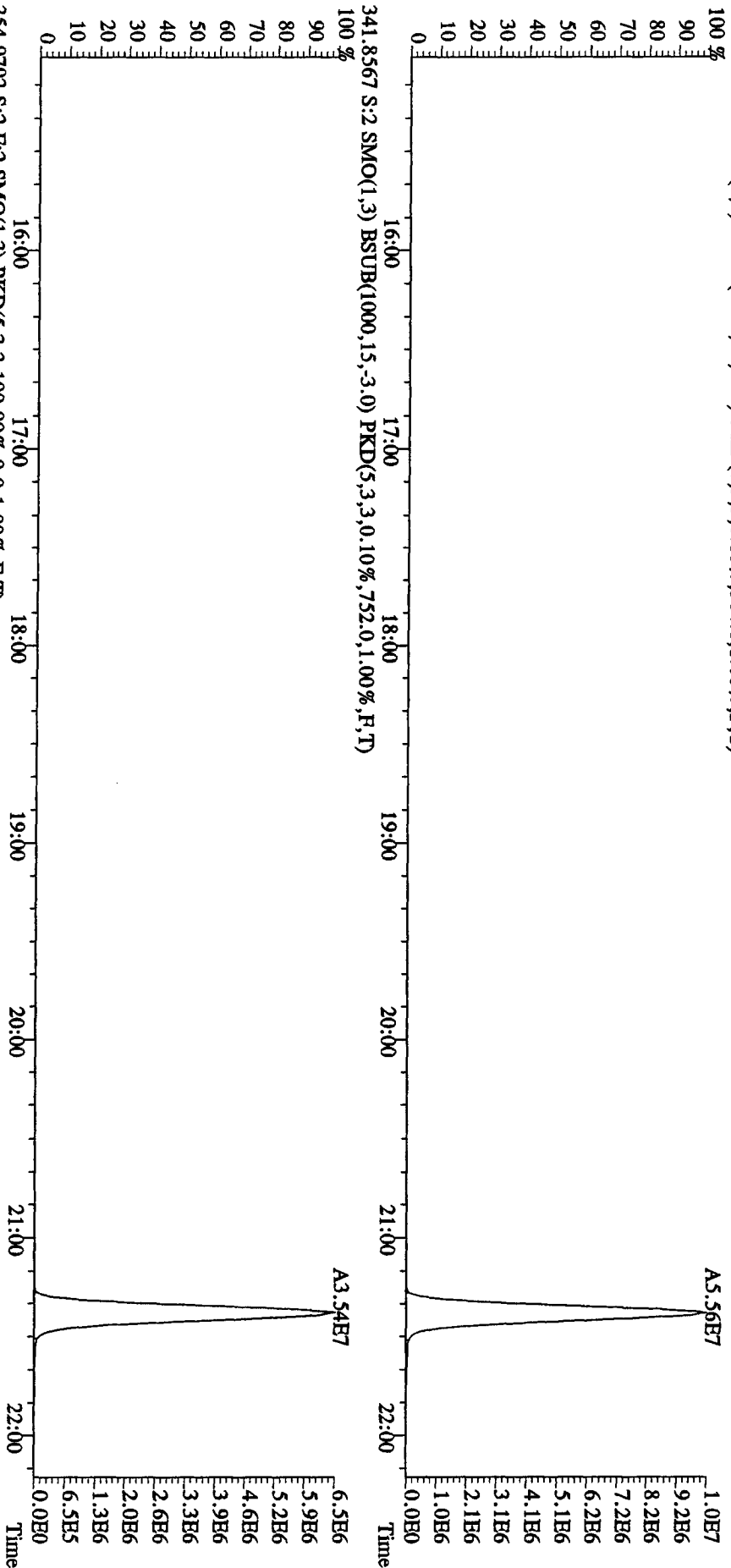
File: 21AP104D5 #1-434 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,352.0,1.00%,F,T)
 333.9339 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1424.0,1.00%,F,T)



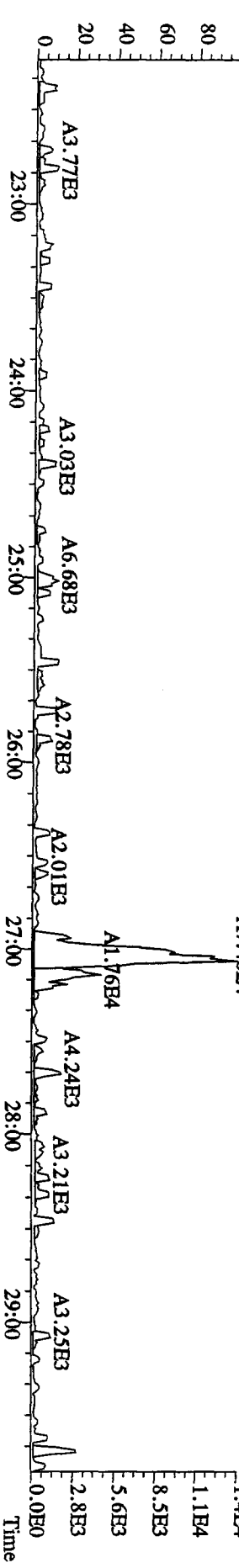
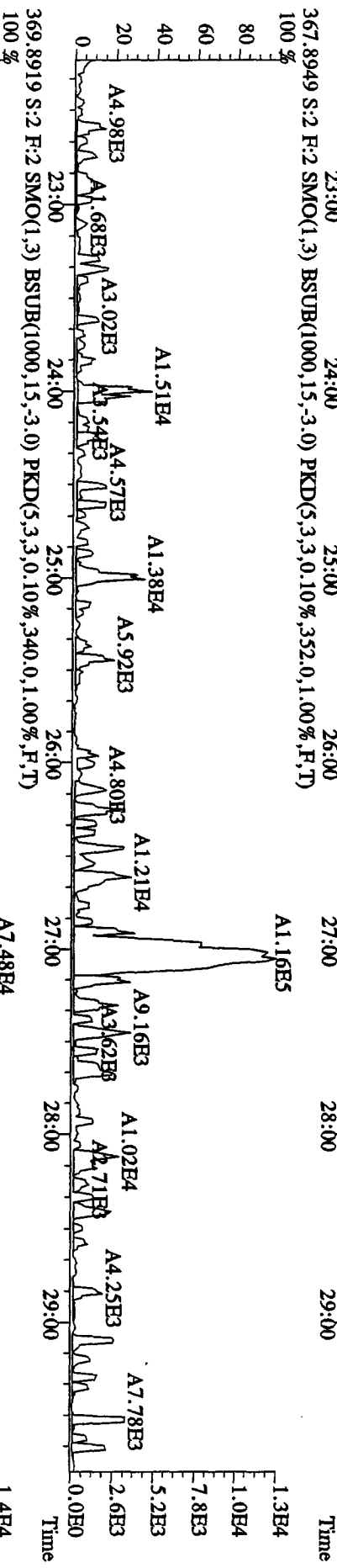
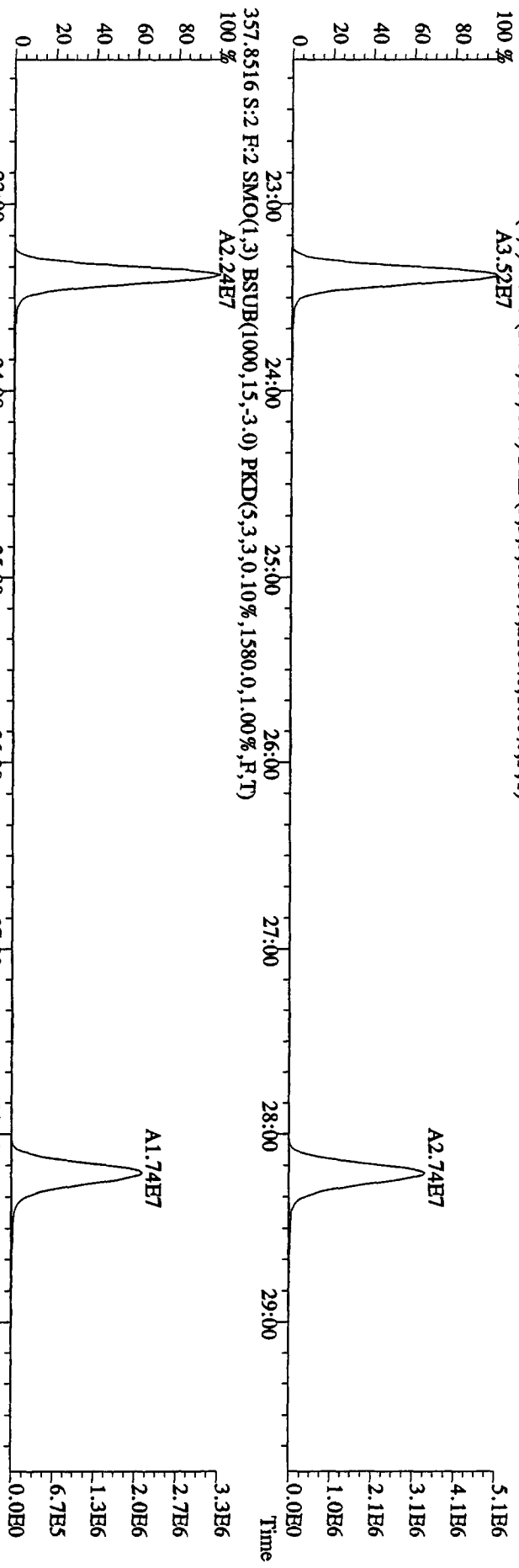
File: 21AP104D5 #1-604 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-Ultimate
 Sample# 2 Text: CP0421 : DB-5 CP5M 3732-05 Exp: DIOXINRES8290A
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1360.0,1.00%,F,T)



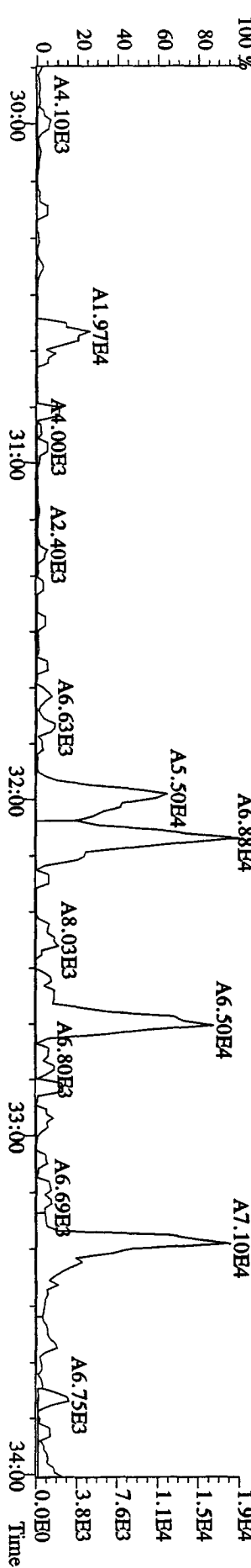
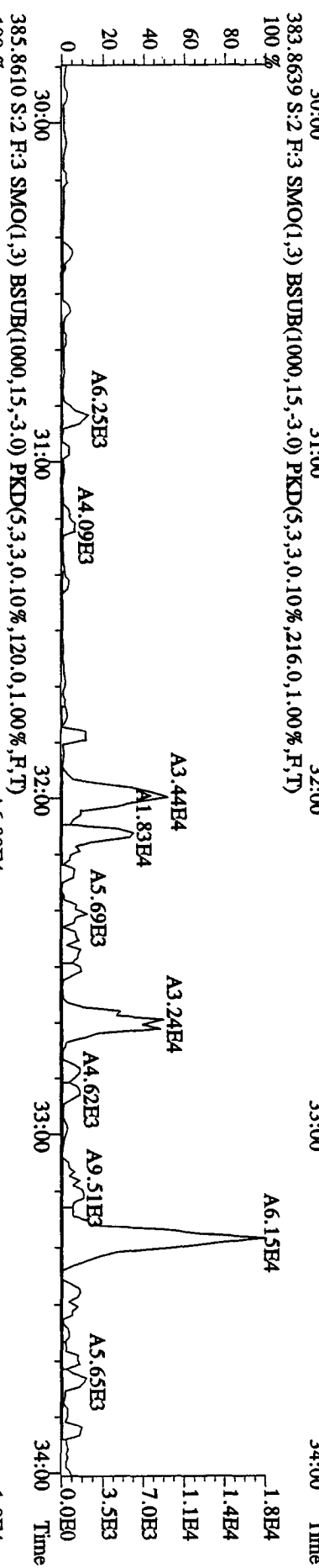
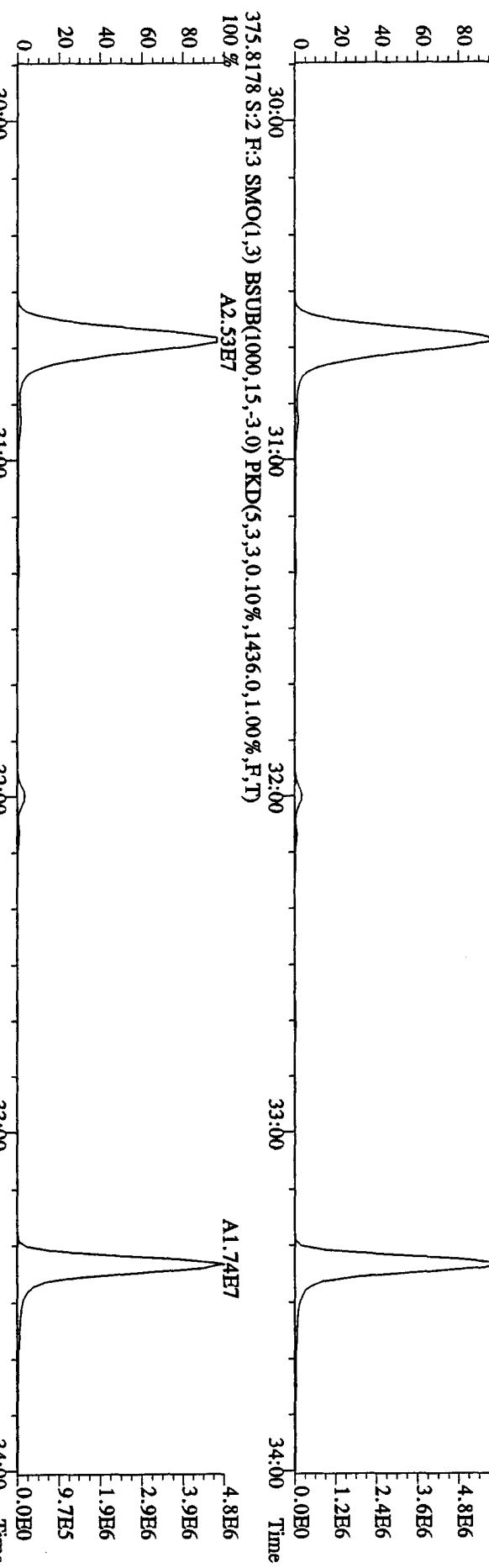
File: 21AP104D5 #1-434 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,564,0,1,00%,F,T)
 100%



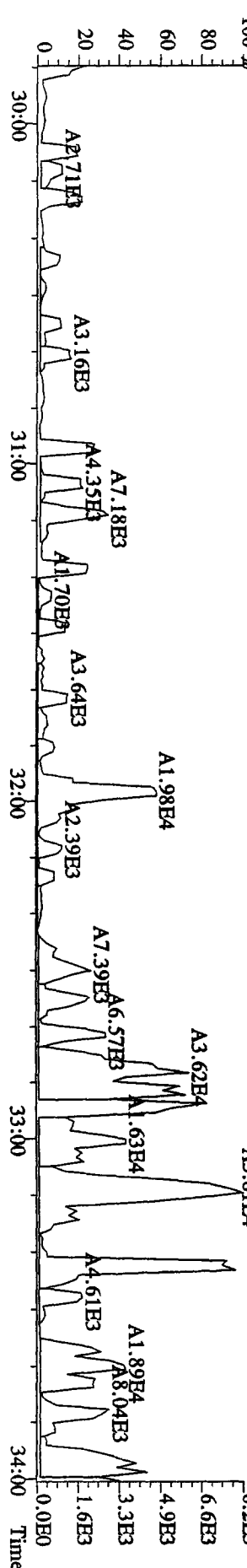
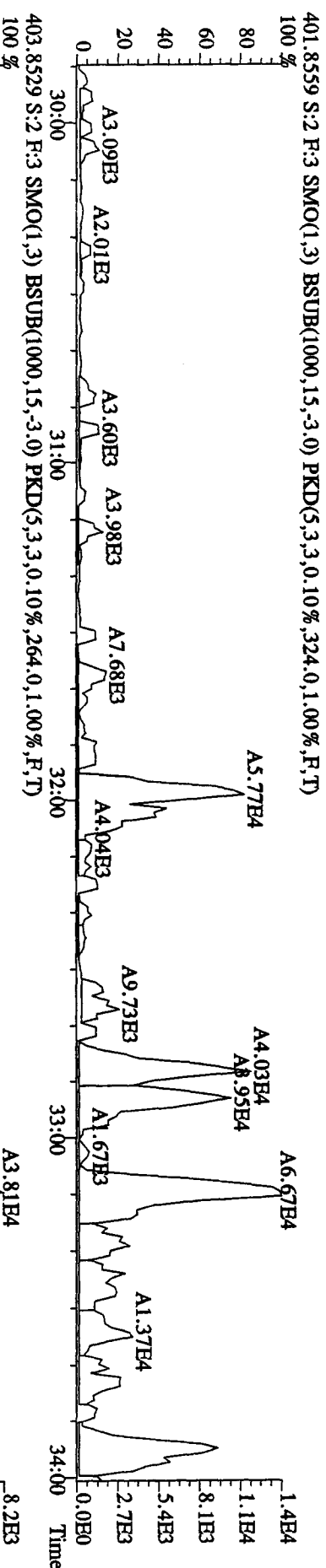
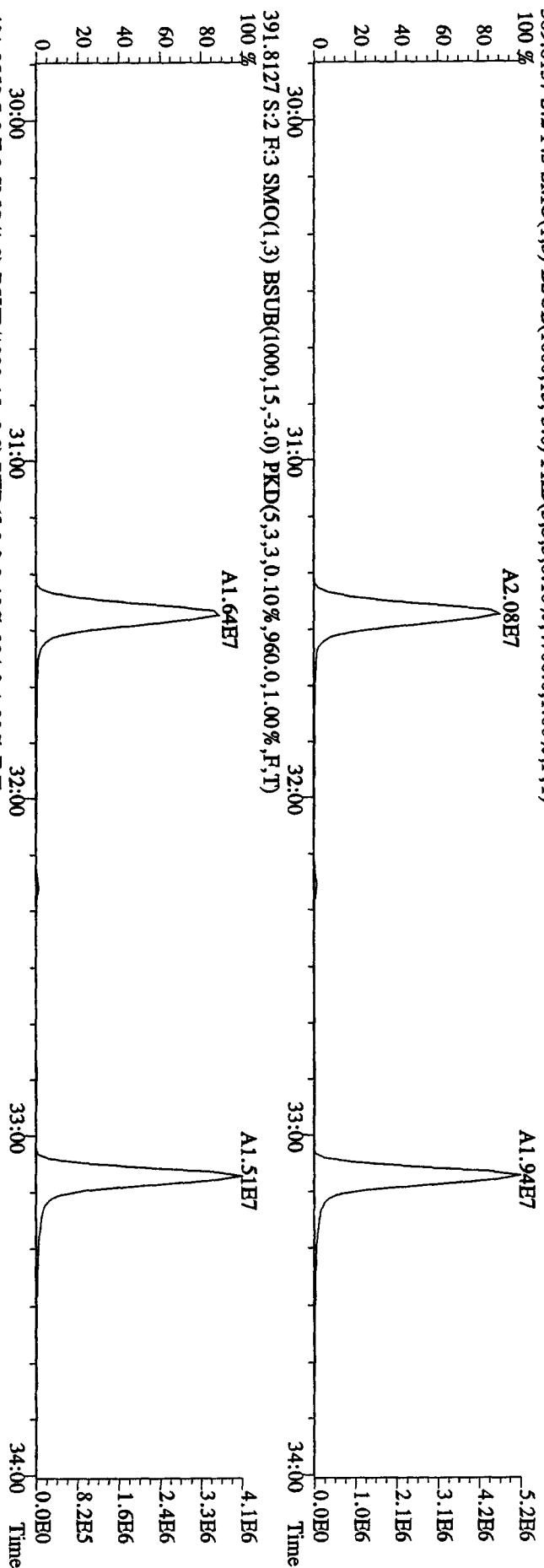
File:21AP104D5 #1-604 Acq:21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0421 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1580,0,1,00%,F,T)
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2180,0,1,00%,F,T)
 100 %



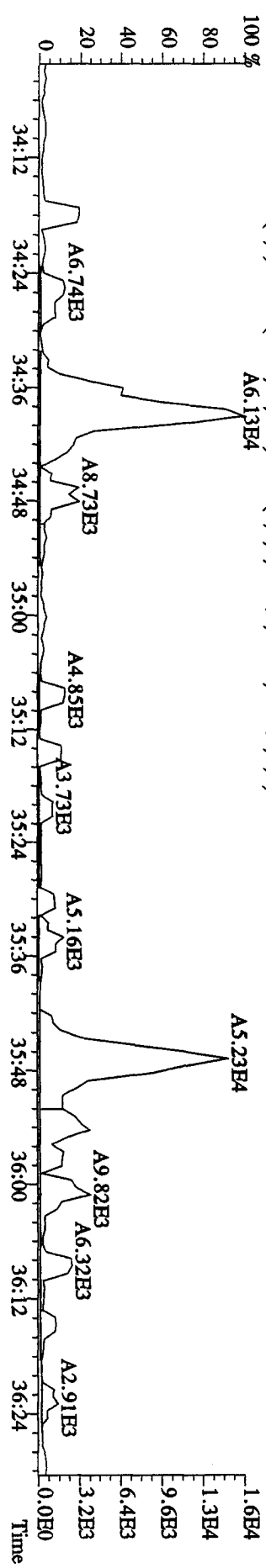
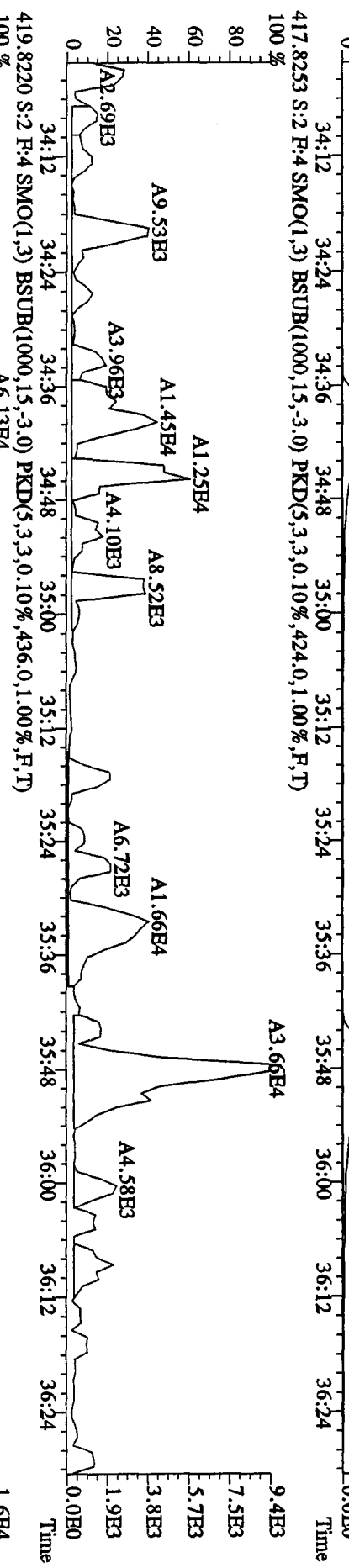
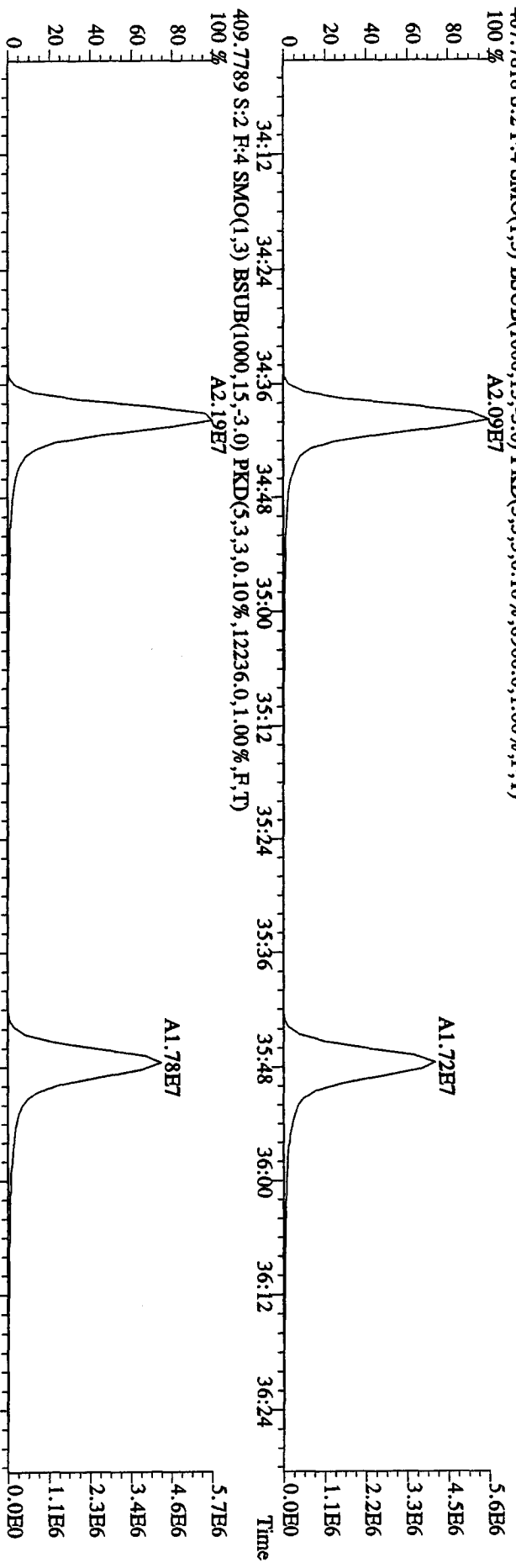
File: 21AP104D5 #1-317 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1460.0,1.00%,F,T)



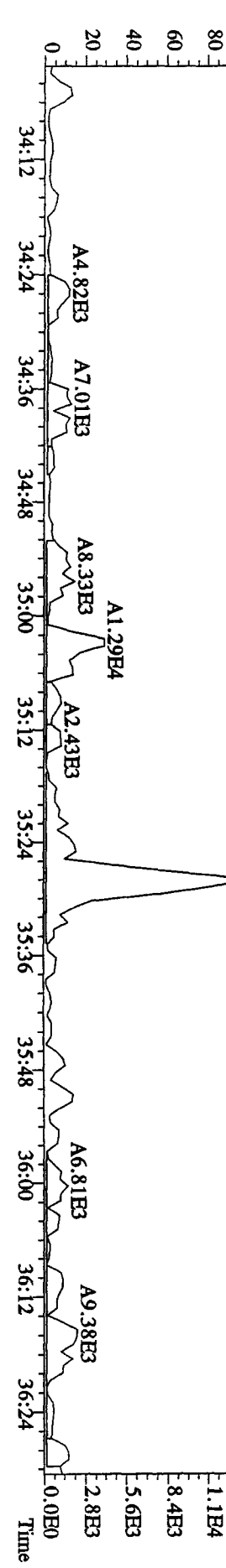
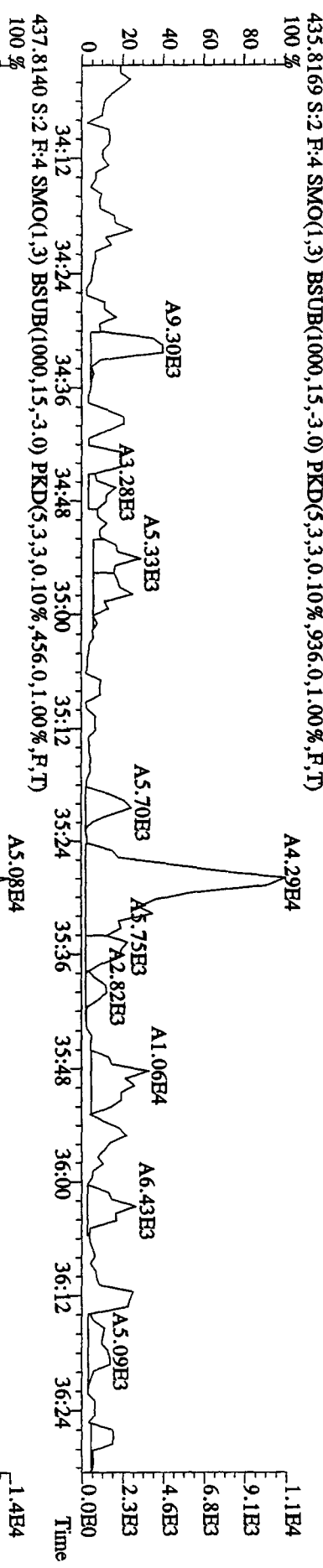
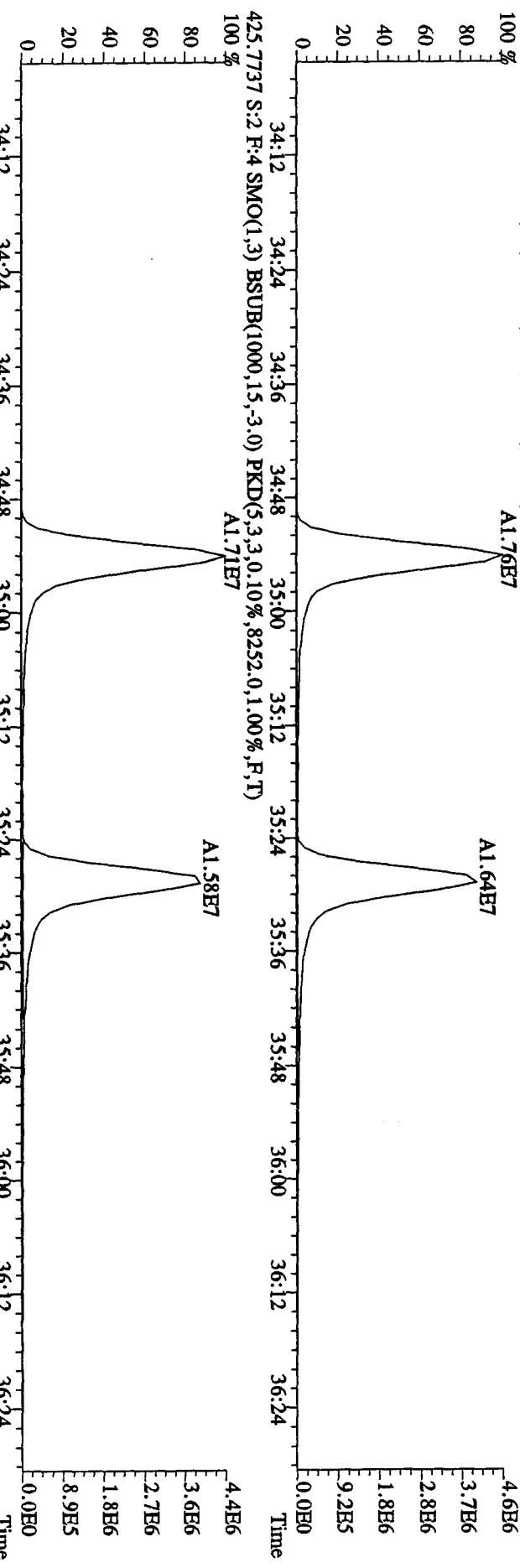
File: 21AP104D5 #1-317 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)



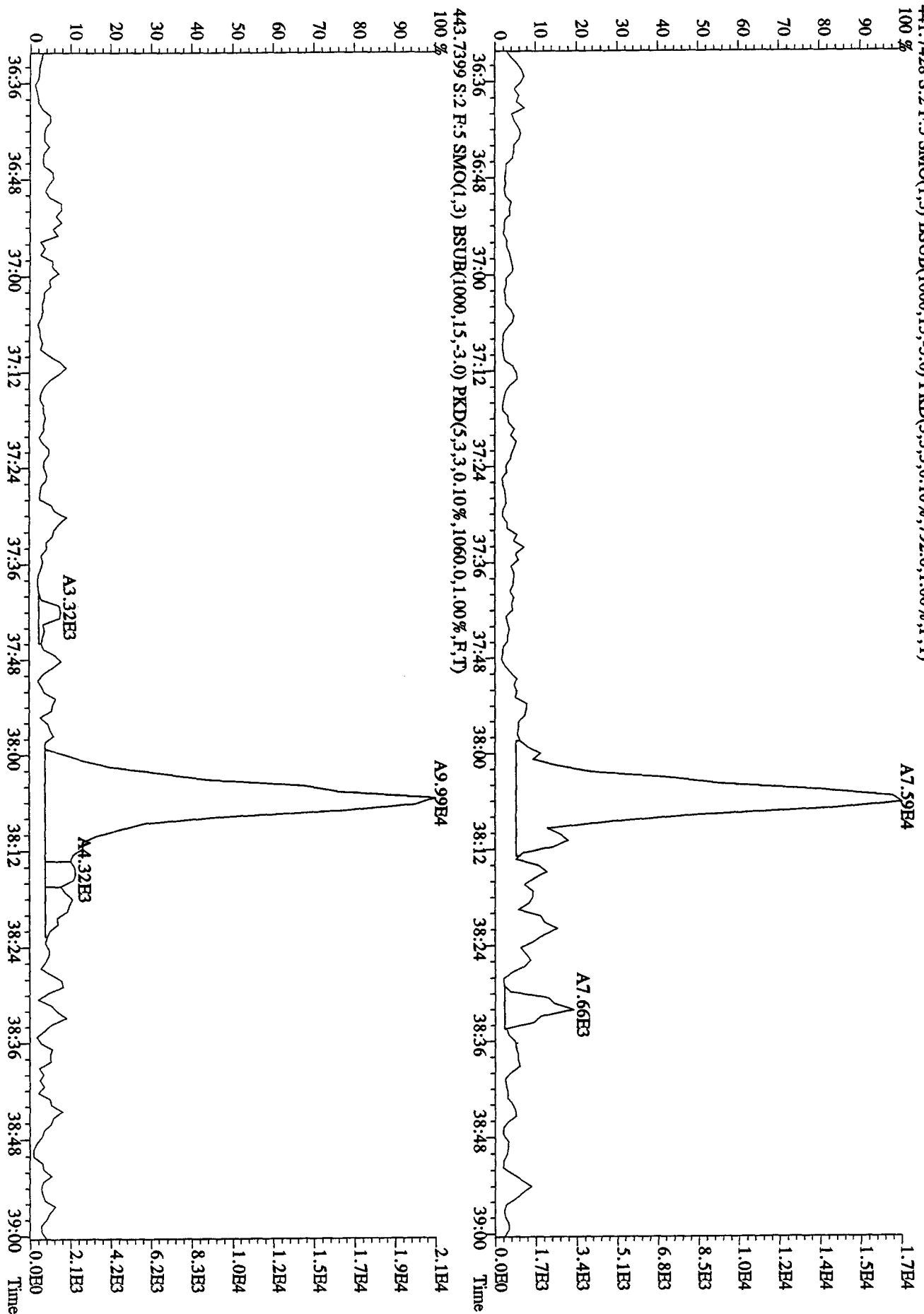
File:21AP104D5 #1-198 Acq:21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:CP0421 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8900,0,1,00%,F,T)
 100%



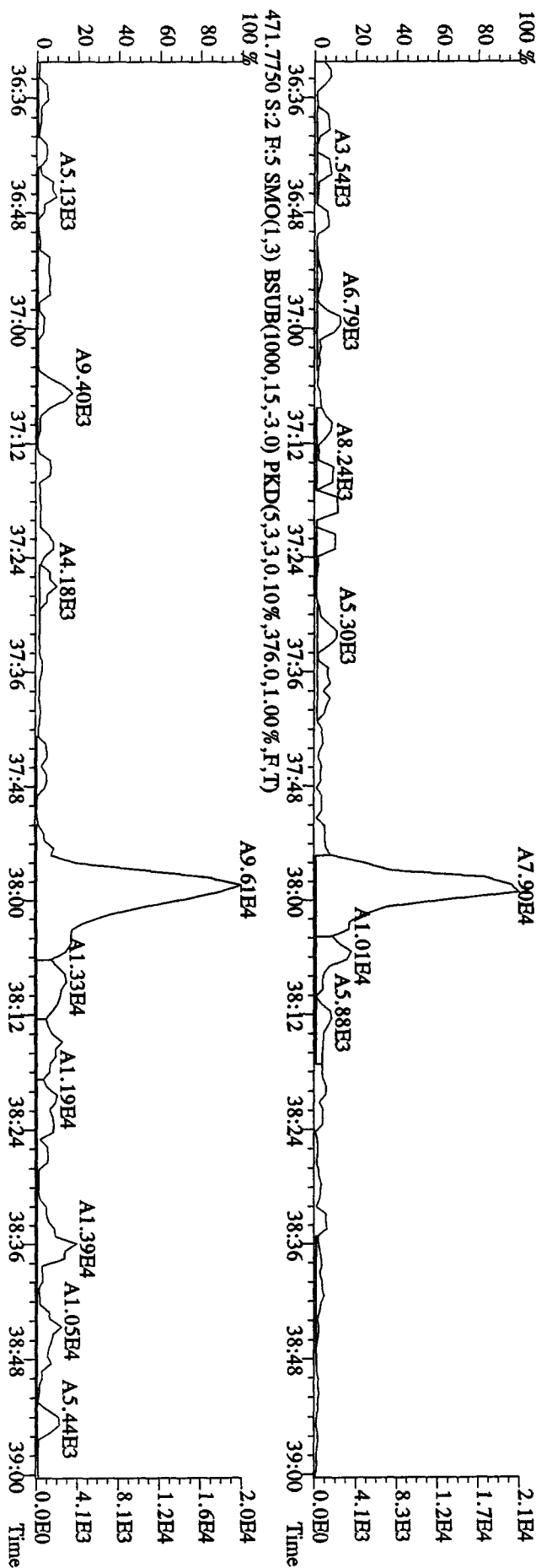
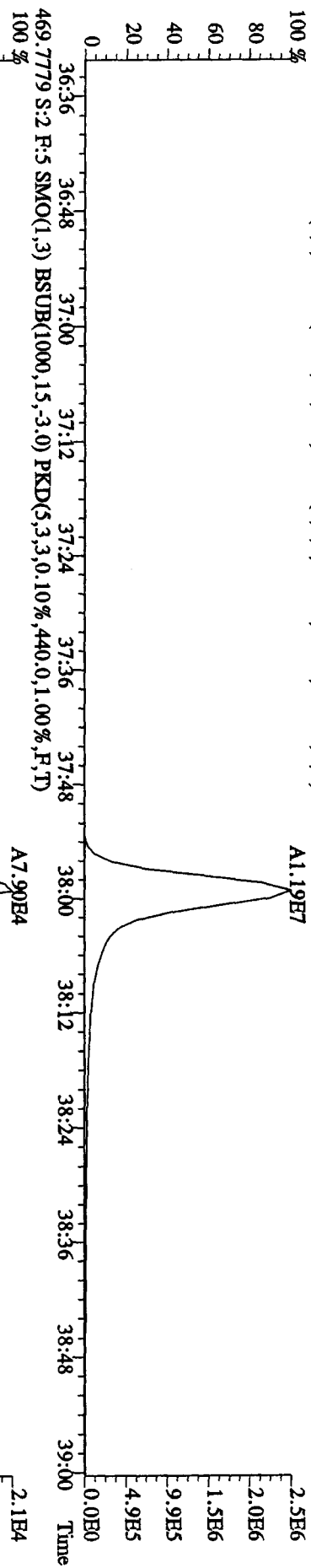
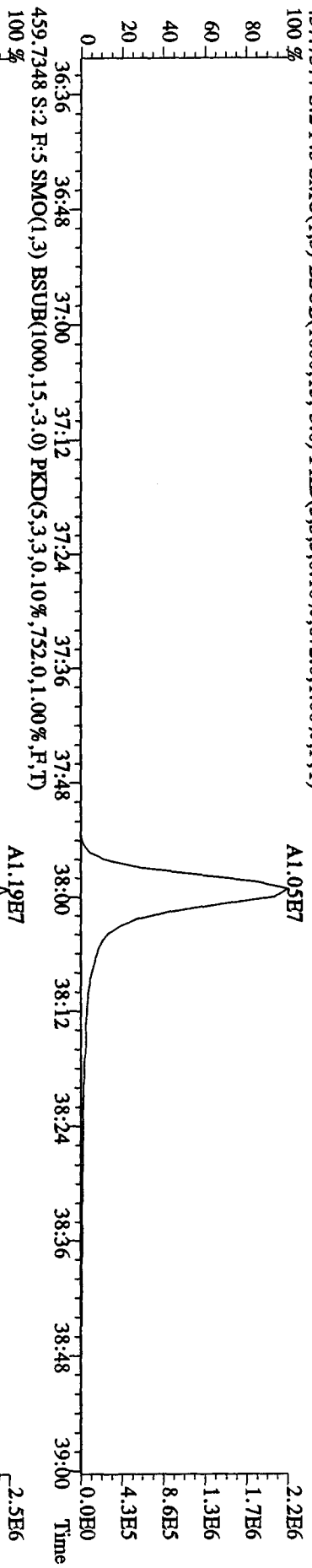
File: 21AP104D5 #1-198 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8452.0,1.00%,F,T)
 100%



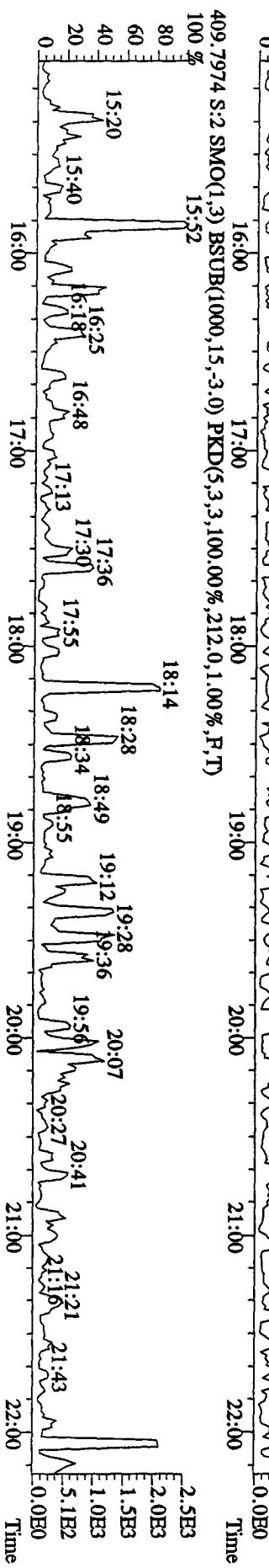
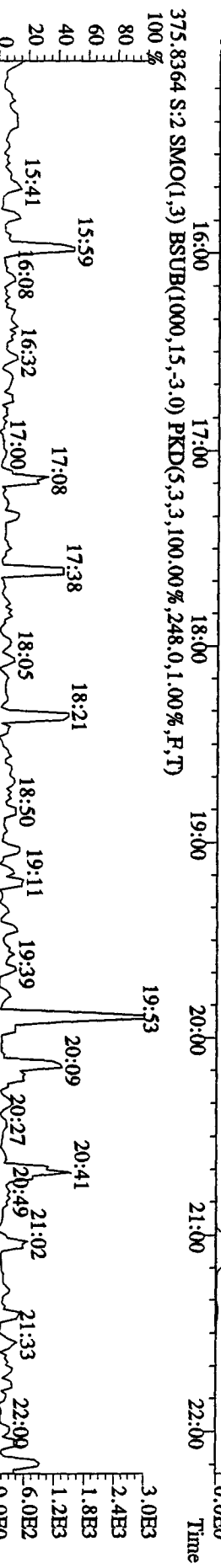
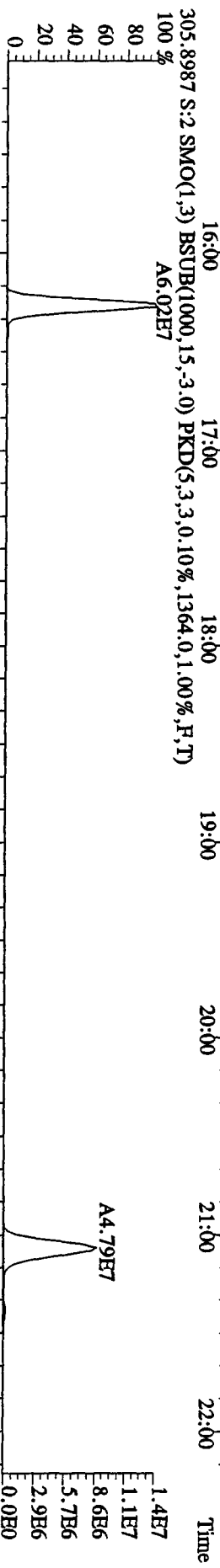
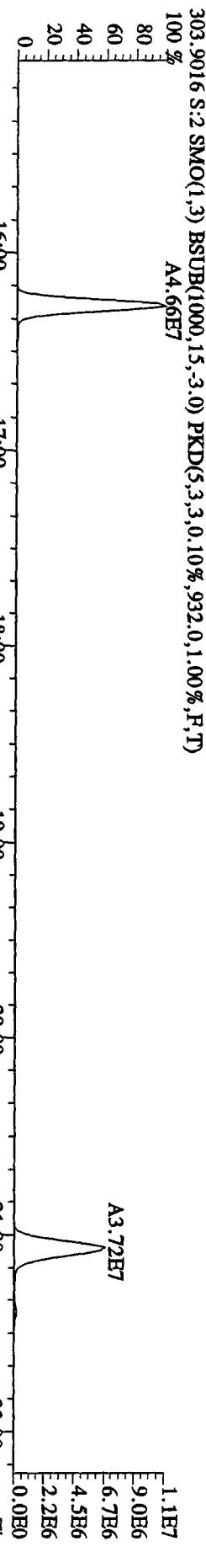
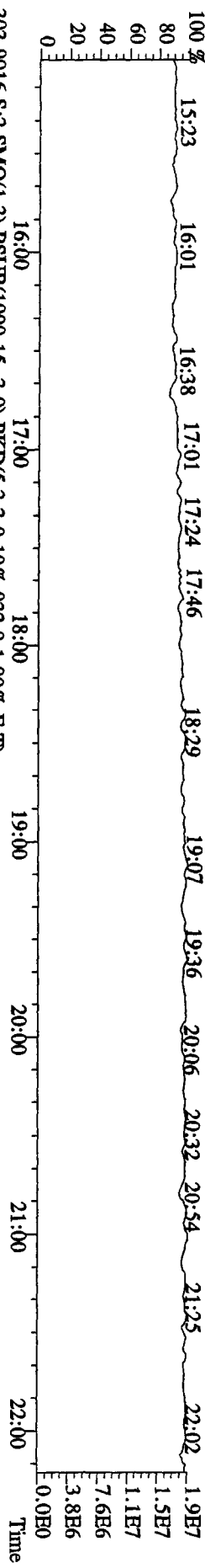
File:21AP104D5 #1-190 Acq:21-APR-2010 09:06:29 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0421 :DB-5 C/PSM 3732-05 Exp:DIOXINRES8290A
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,792.0,1.00%,F,T)
 100 %



File:21AP104D5 #1-190 Acq:21-APR-2010 09:06:29 GC HI + Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0421 :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%,672.0,1.00%,F,T)
 100%



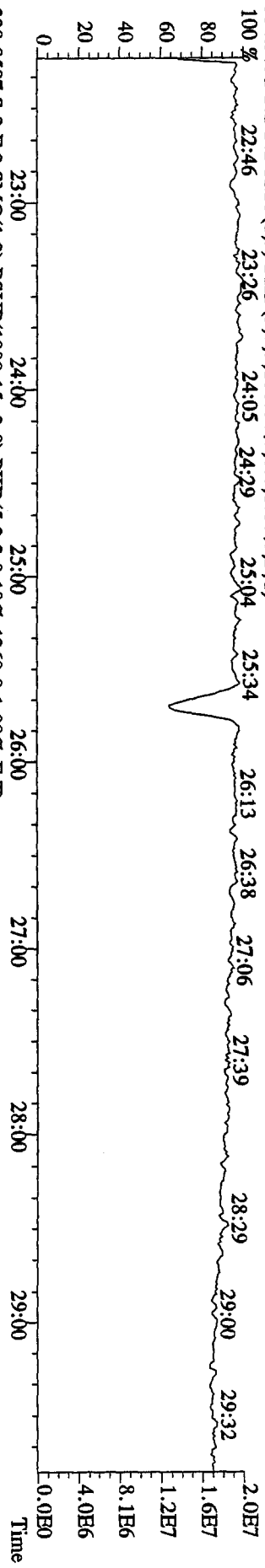
File: 21AP104D5 #1-434 Acq: 21-APR-2010 09:06:29 GC: EI + Voltage SIR Autospec-Ultimat
 Sample#2 Text: CP0421 :DB-5-CPISM 3732-05 Exp: DIOXINRES8290A
 354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



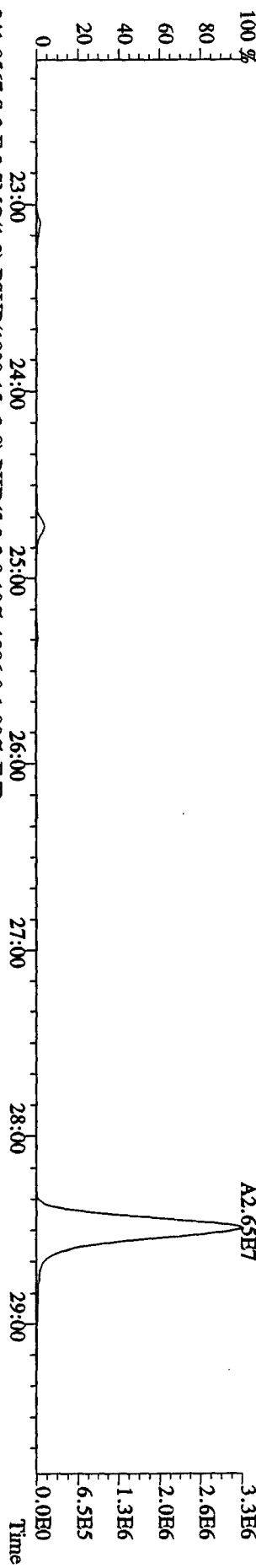
File:21ADP104D5 #1-604 Acq:21-APR-2010 09:06:29 GC EI + Voltage SIR Autospec-UltimaE

Sample#2 Text:CP0421 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A

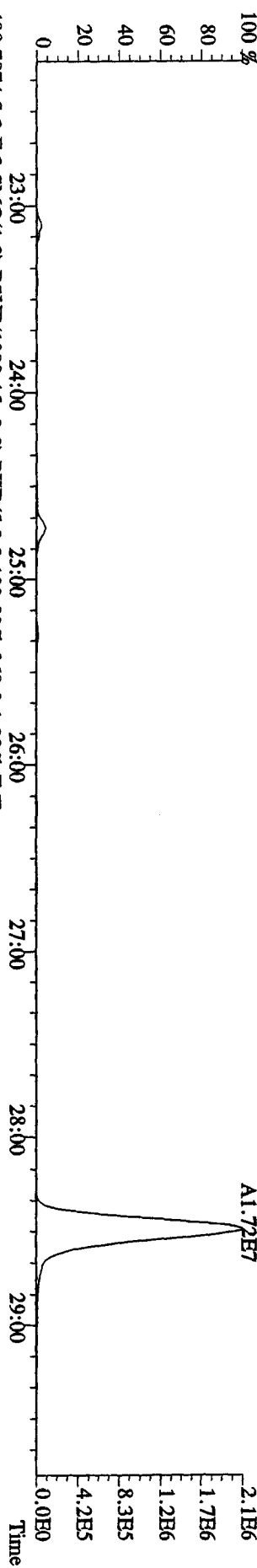
354.9792 S:2 F:2 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)



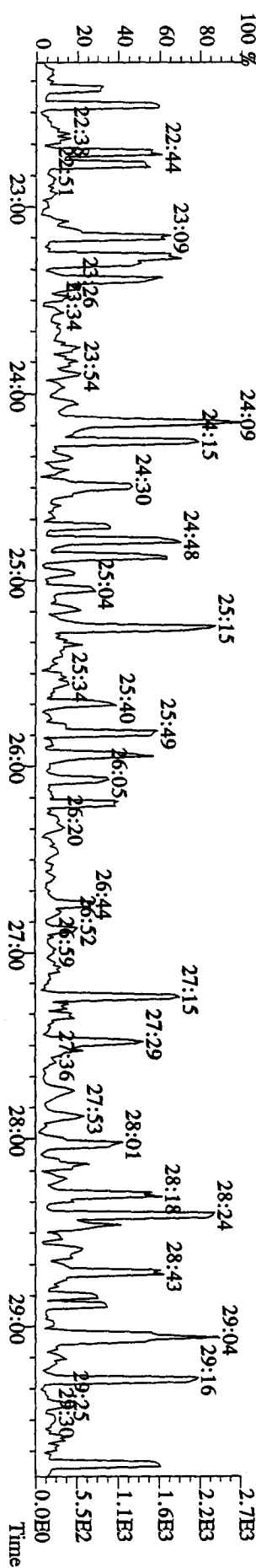
339.8597 S:2 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,1360.0,1.00%,F,T)



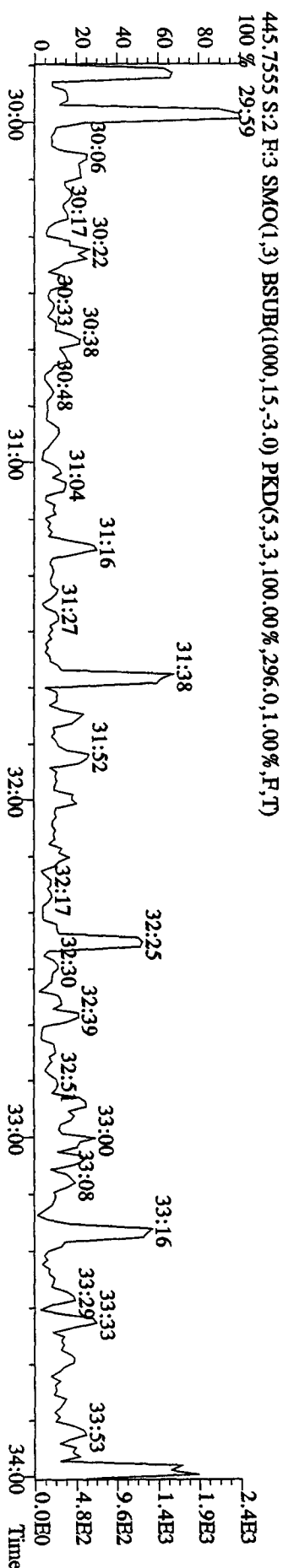
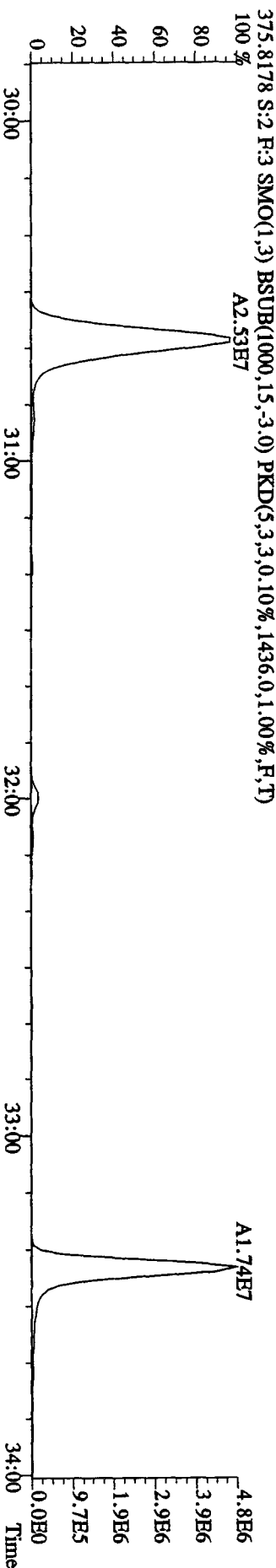
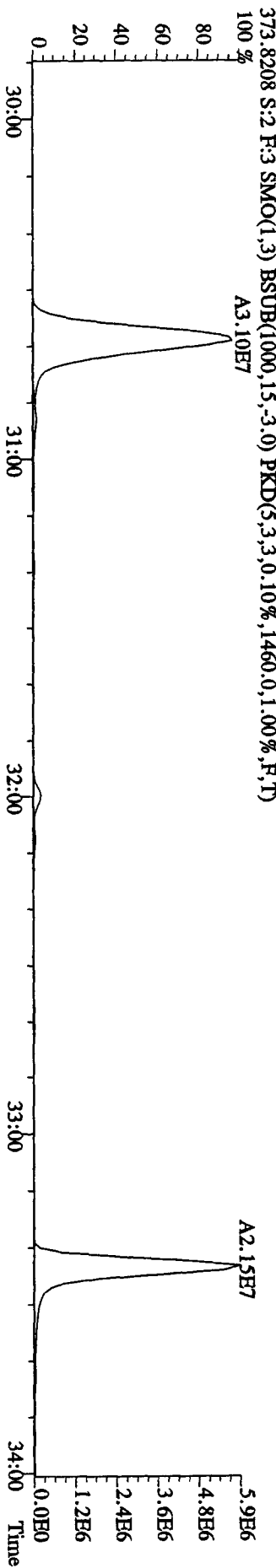
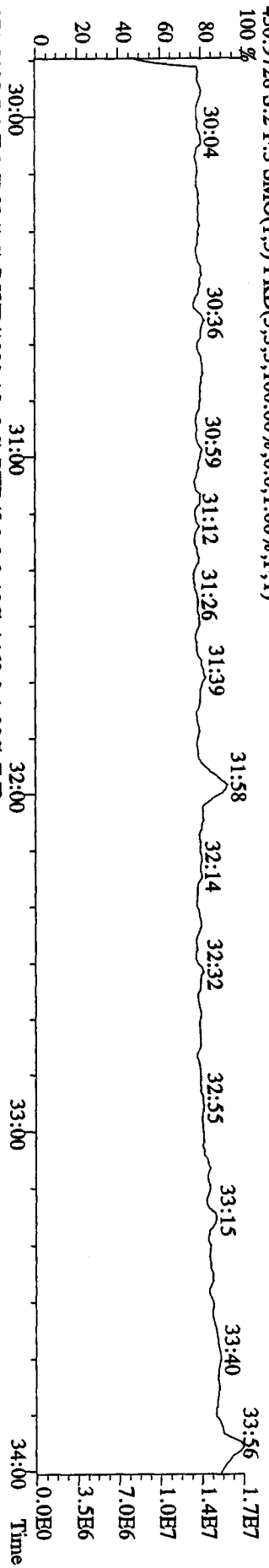
341.8567 S:2 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,1996.0,1.00%,F,T)



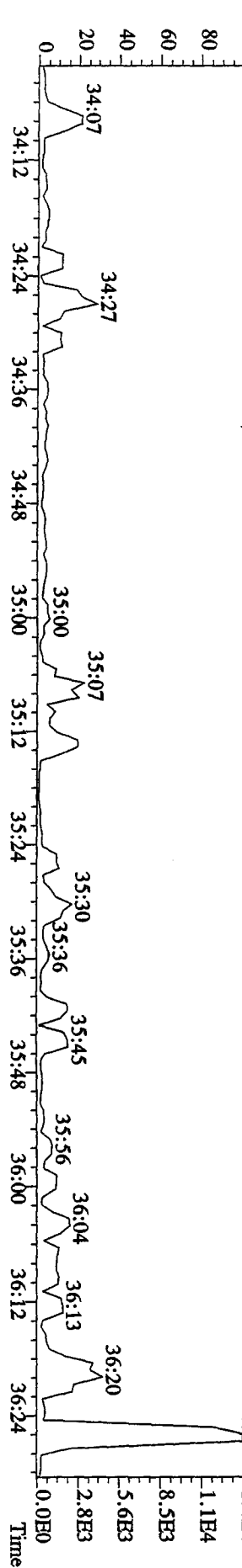
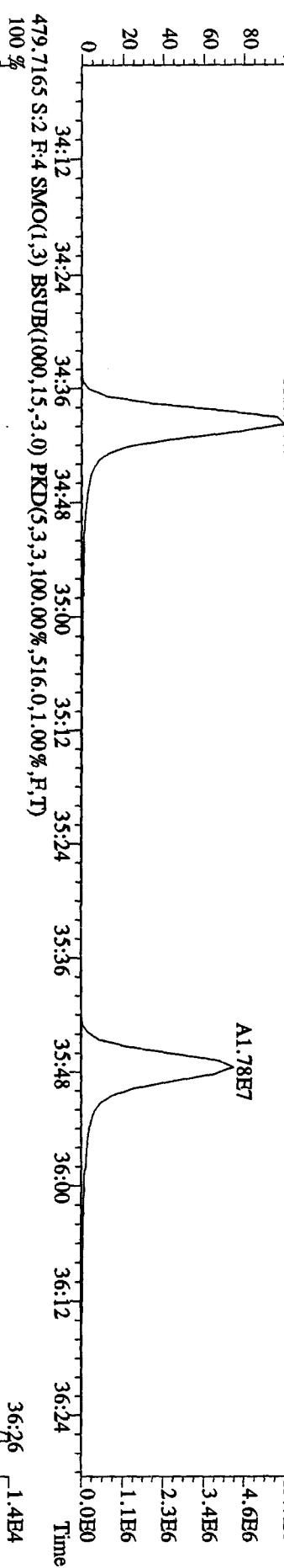
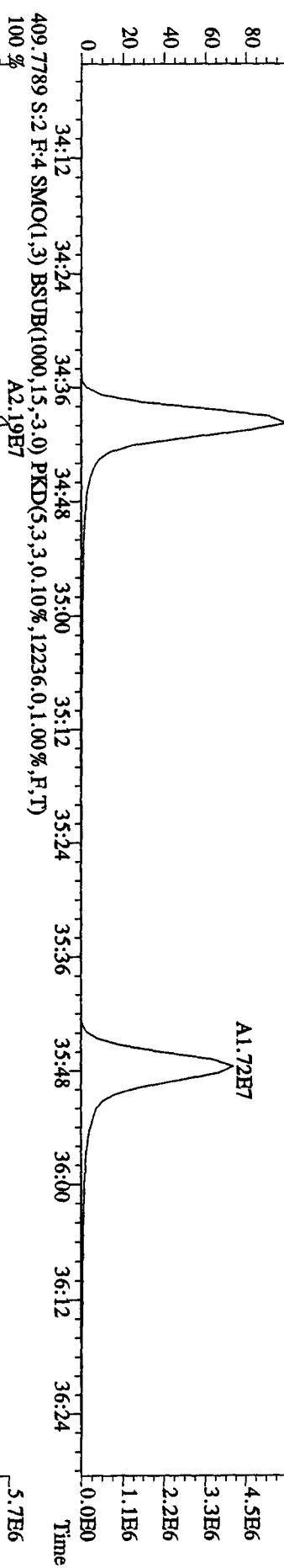
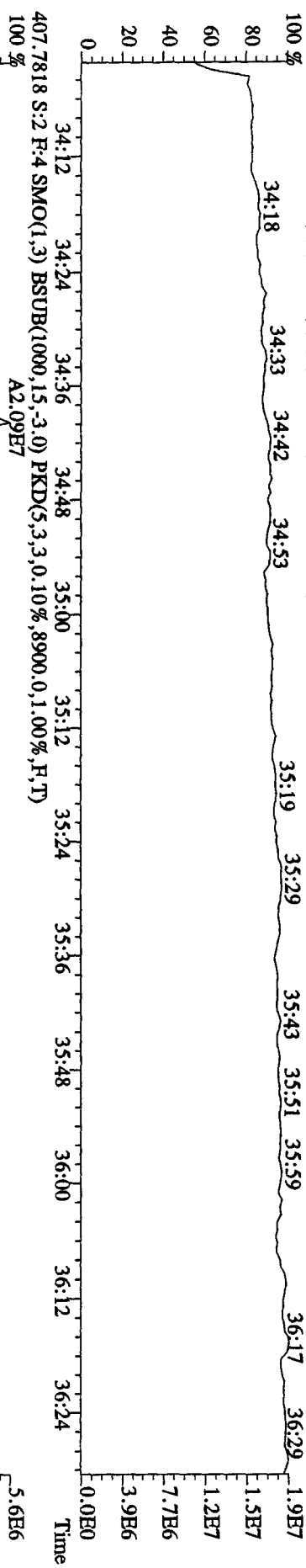
409.7974 S:2 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100,0.0%,268.0,1.00%,F,T)



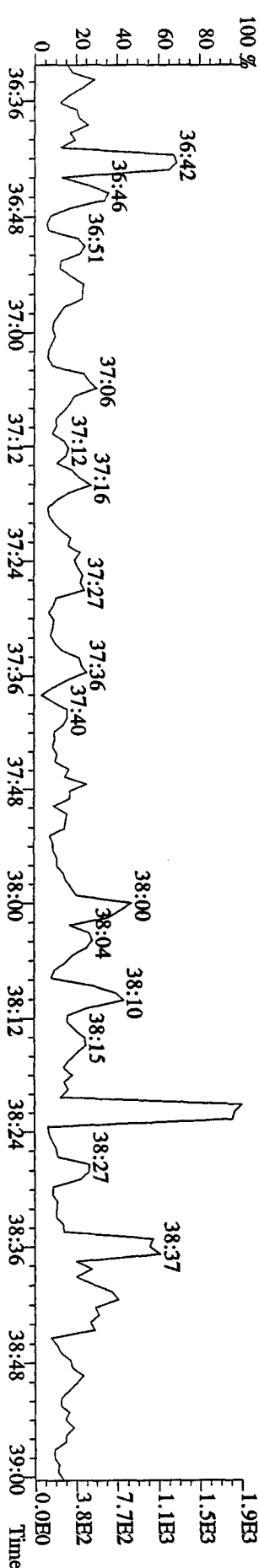
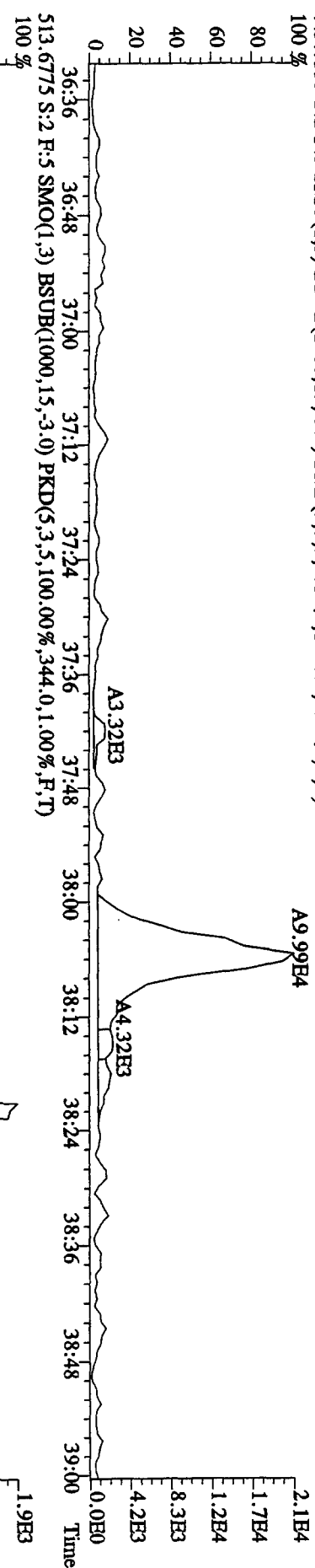
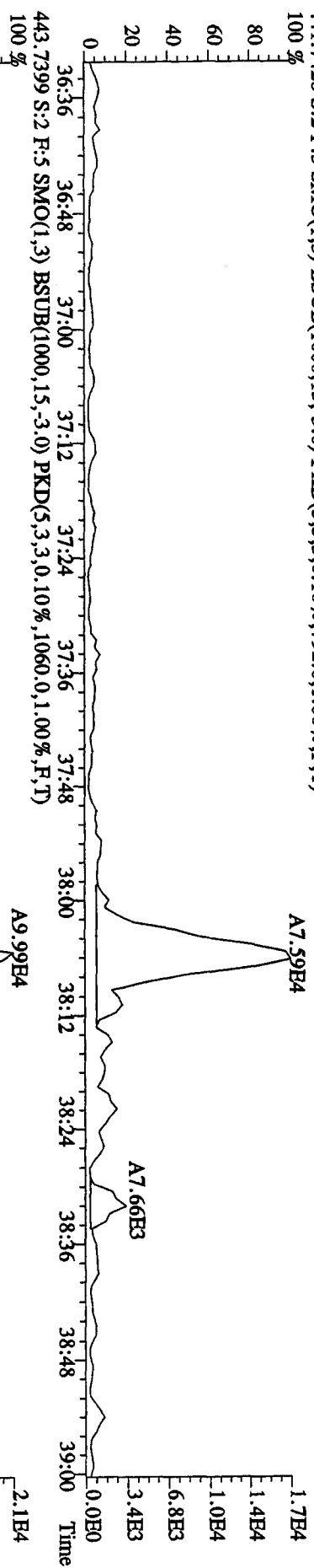
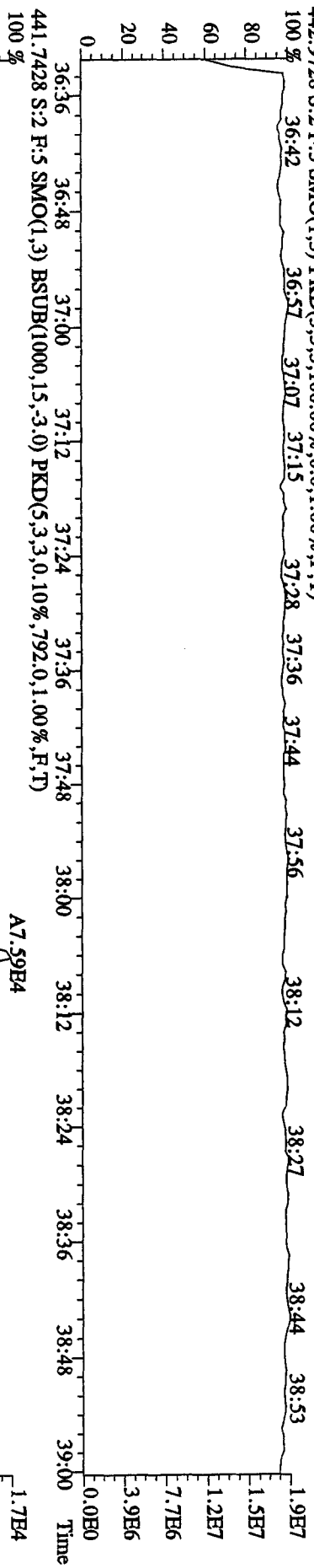
File: 21API04D5 #1-317 Acq: 21-APR-2010 09:06:29 GC EI+ Voltage SFR Autospec-UltimaE
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 430.9728 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



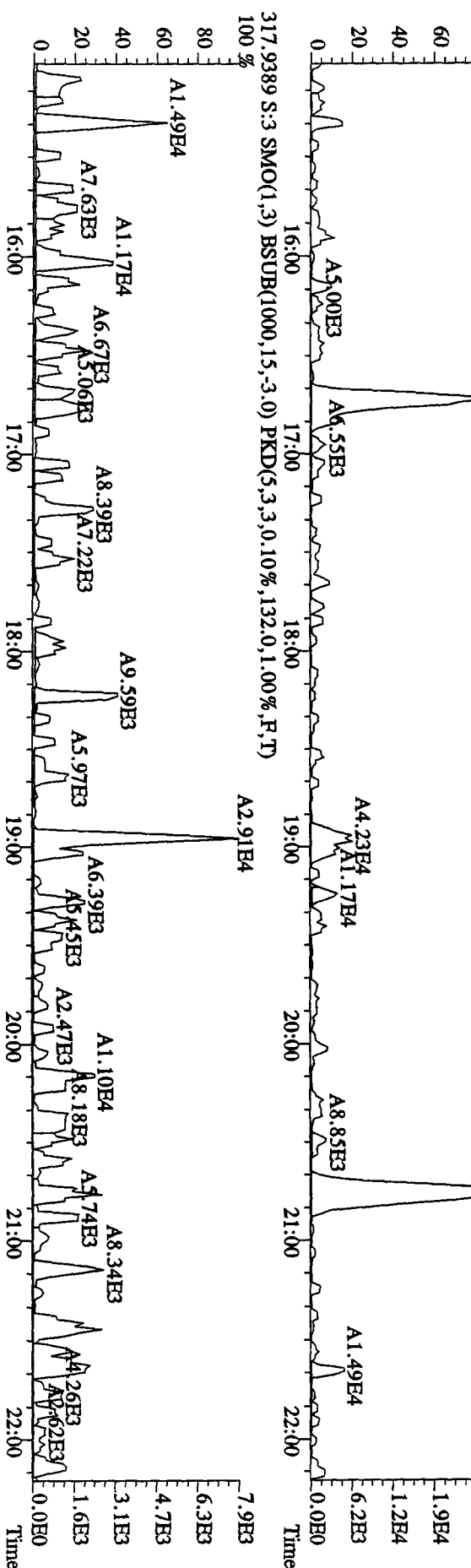
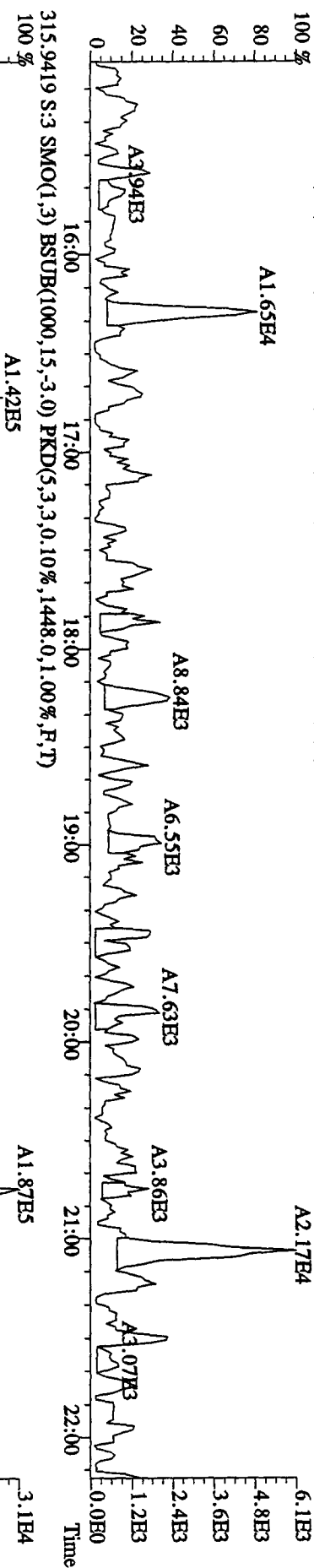
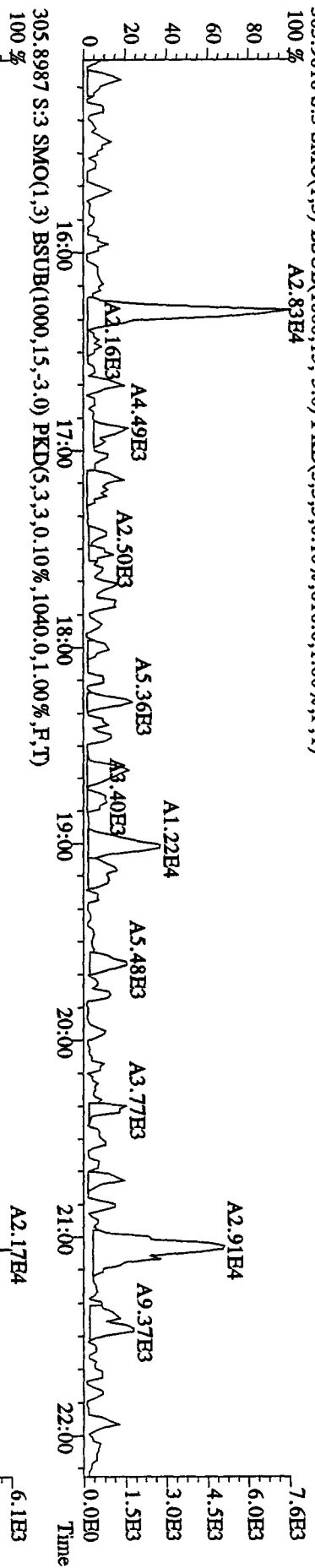
File: 21AP104D5 #1-198 Acq: 21-APR-2010 09:06:29 GC: EI+ Voltage: SIR Autospec: Ultimate
 Sample#2 Text: CP0421 : DB-5 CPM 3732-05 Exp: DIOXINRHS8290A
 430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



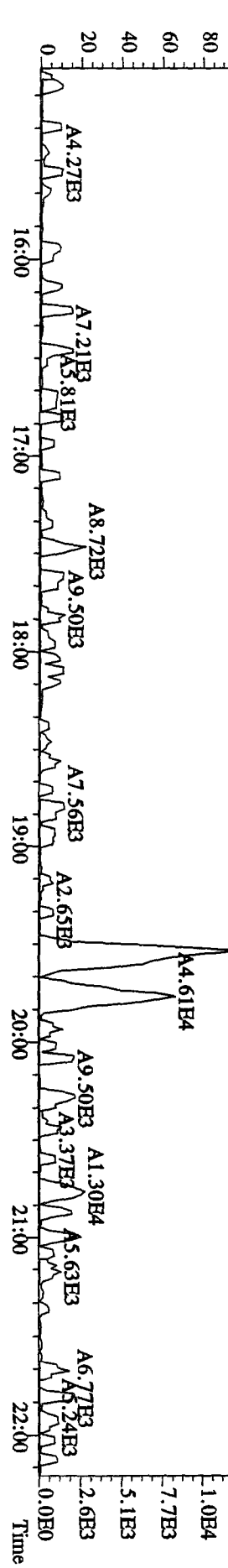
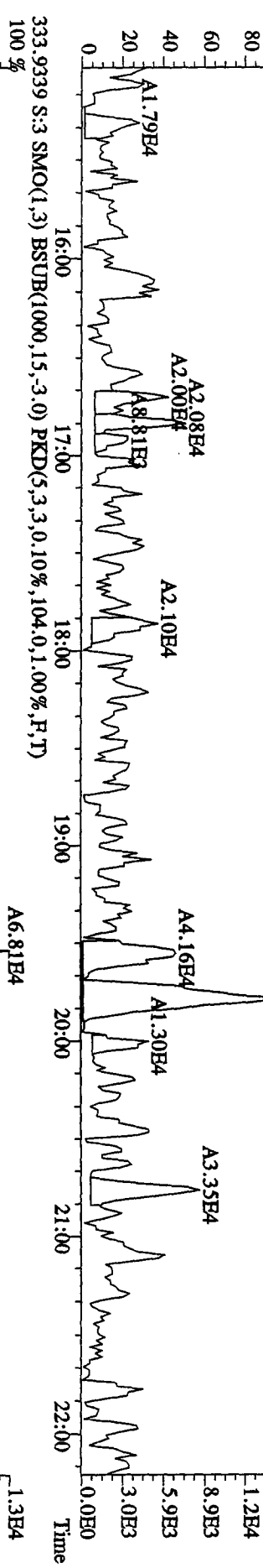
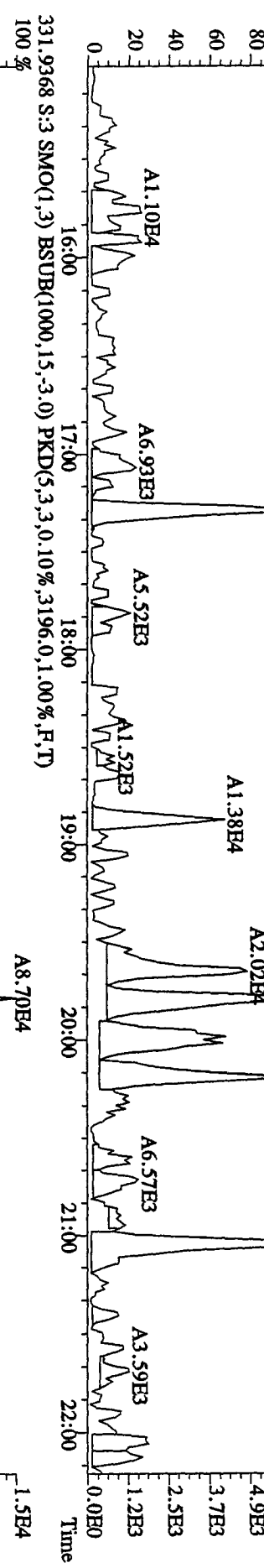
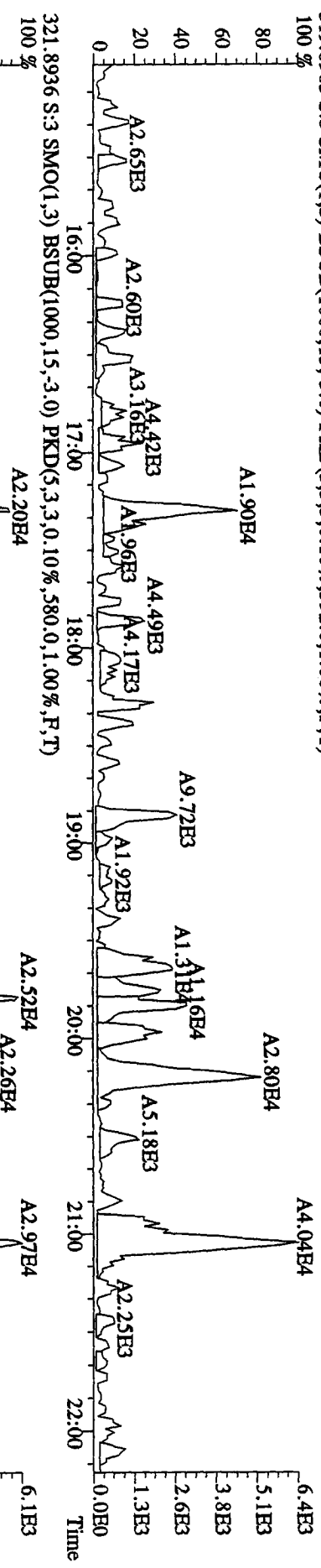
File: 21AP104D5 #1-190 Acq: 21-APR-2010 09:06:29 GC EI + Voltage SFR Autospec-UltimaE
 Sample#2 Text: CP0421 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 36:42 36:57 37:07 37:15 37:28 37:36 37:44 37:56 38:12 38:27 38:44 38:53



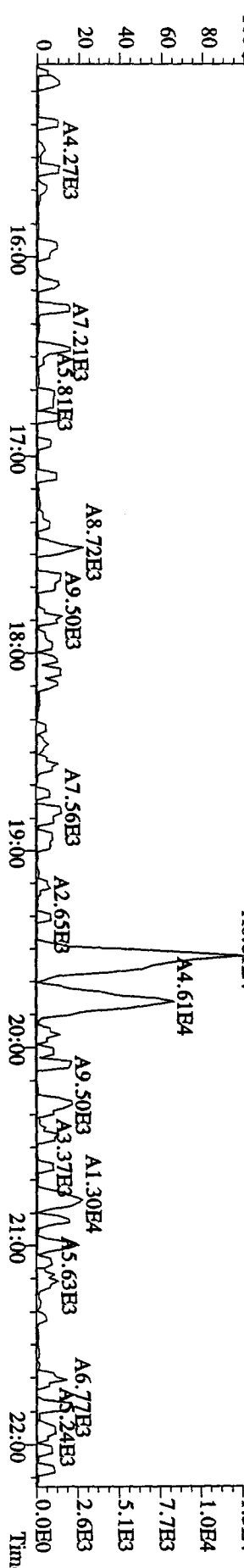
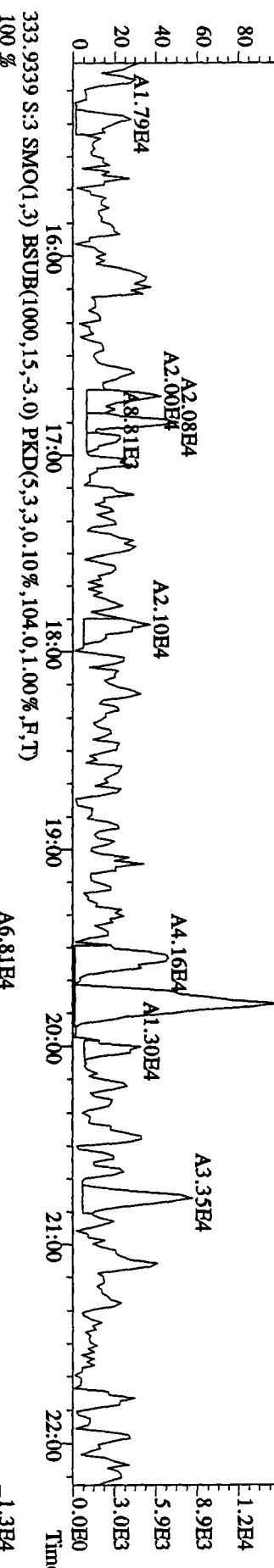
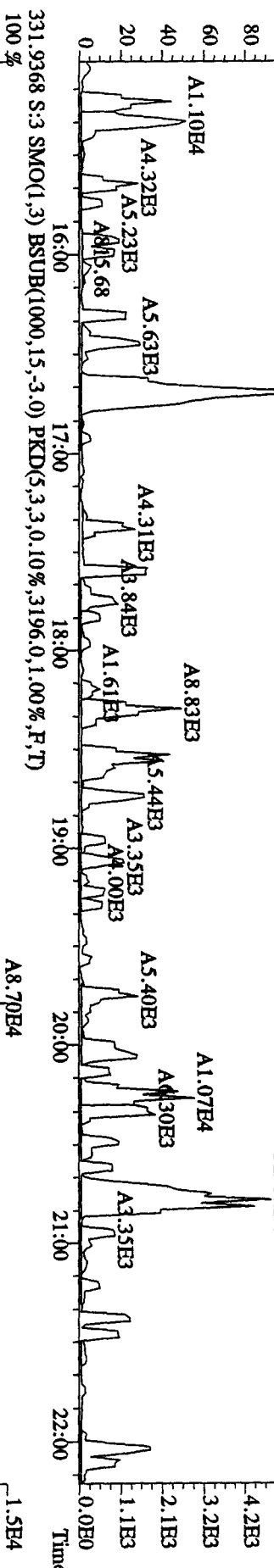
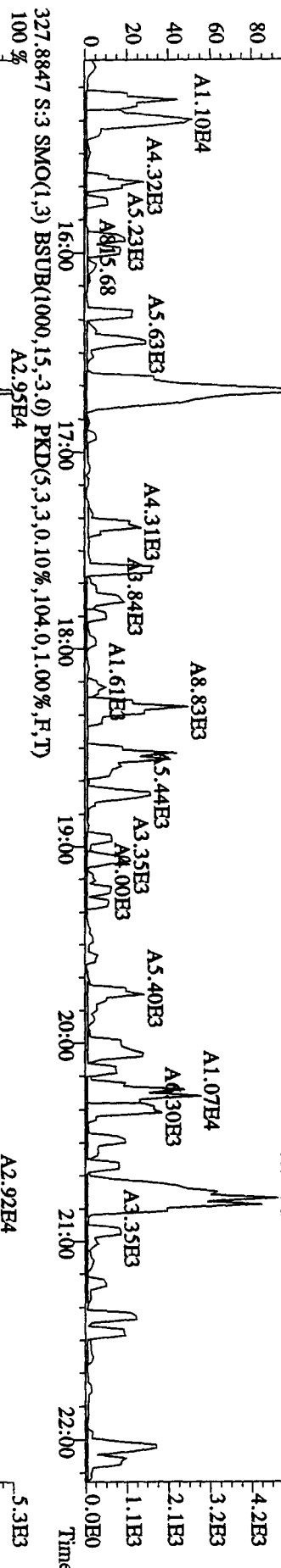
File:21AP104D5 #1-434 Acq:21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp.:DIOXINRES8290A
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,616,0,1,100%,F,T)
 A2.83E4



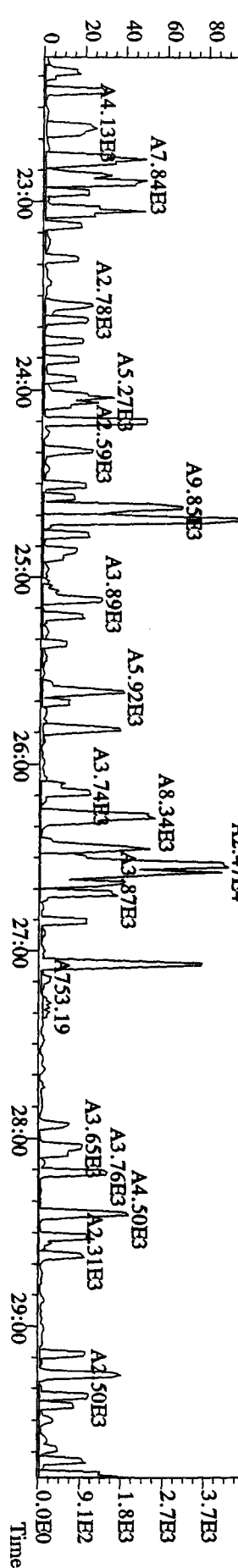
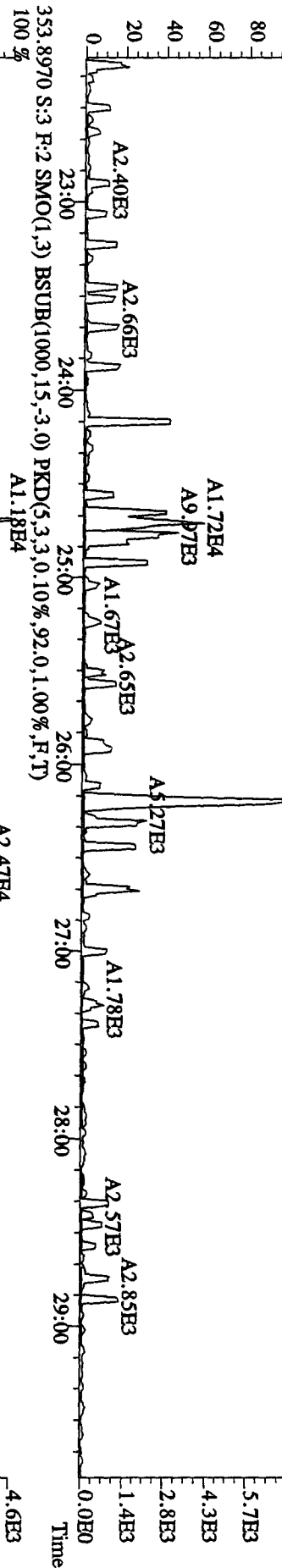
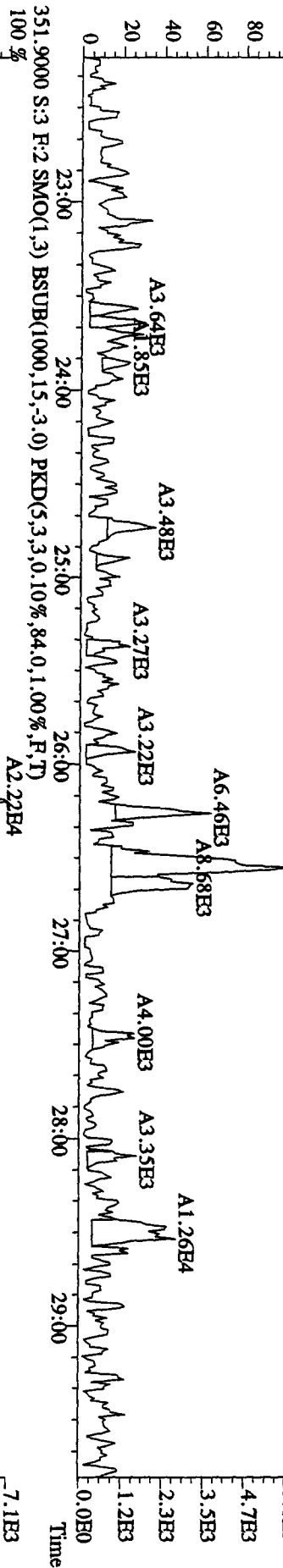
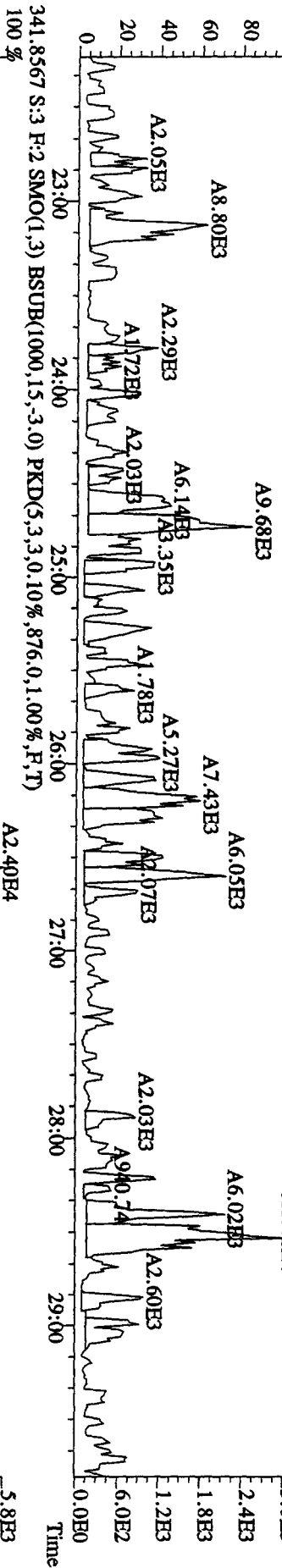
File:21AP104D5 #1-434 Acq:21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,392.0,1.00%,F,T)



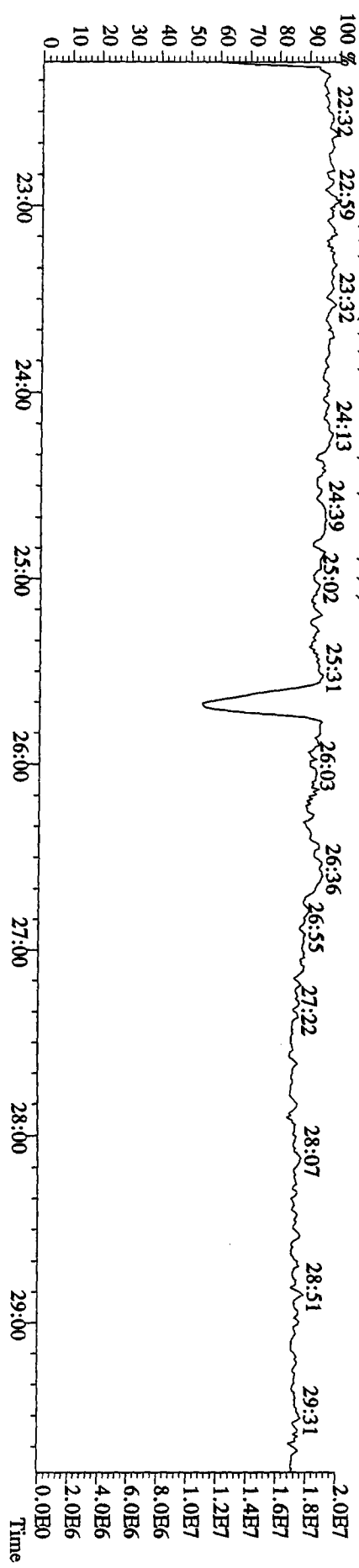
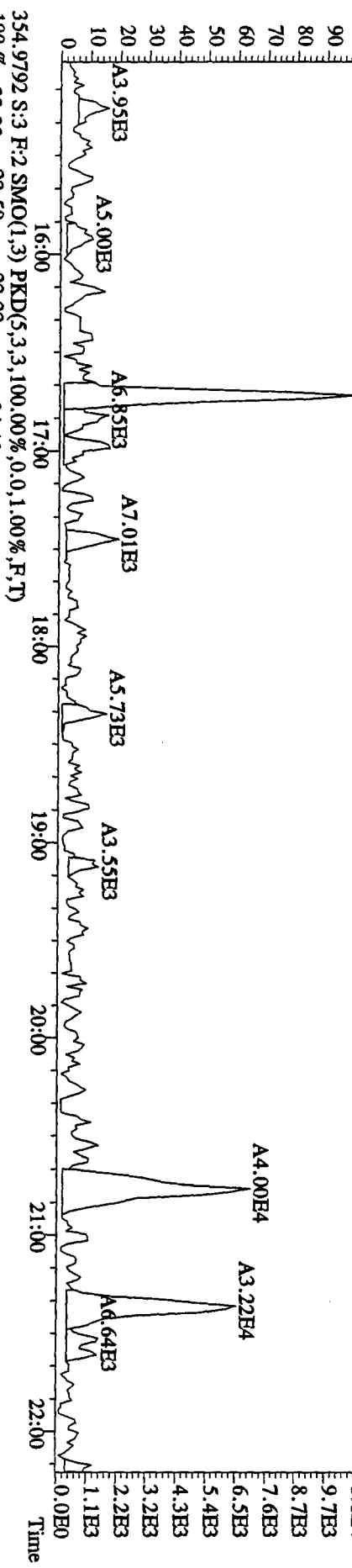
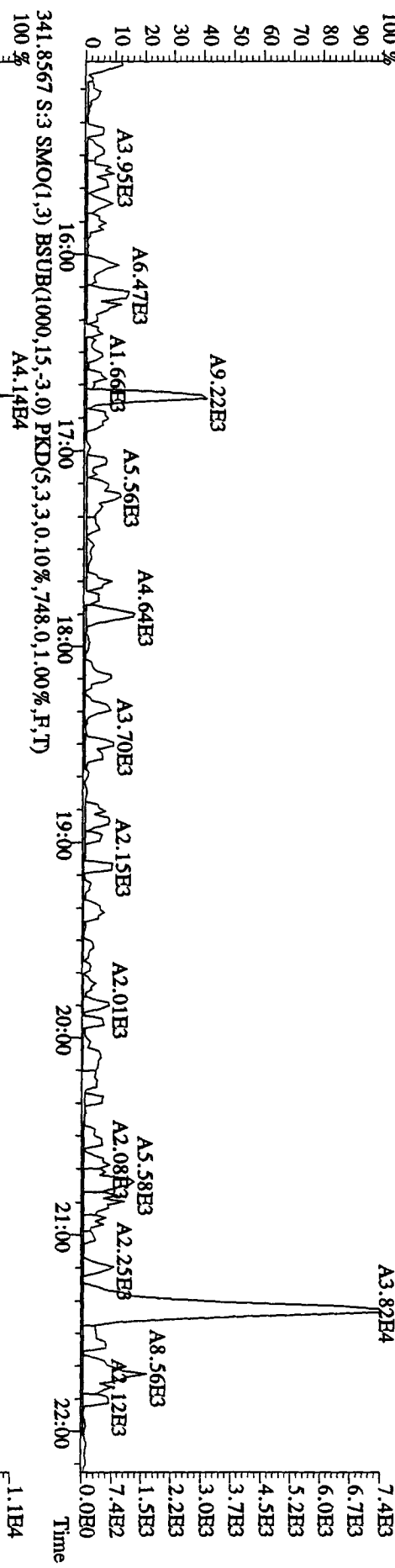
File:21AP104D5 #1-434 Acq:21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)
 100 % A2.95E4



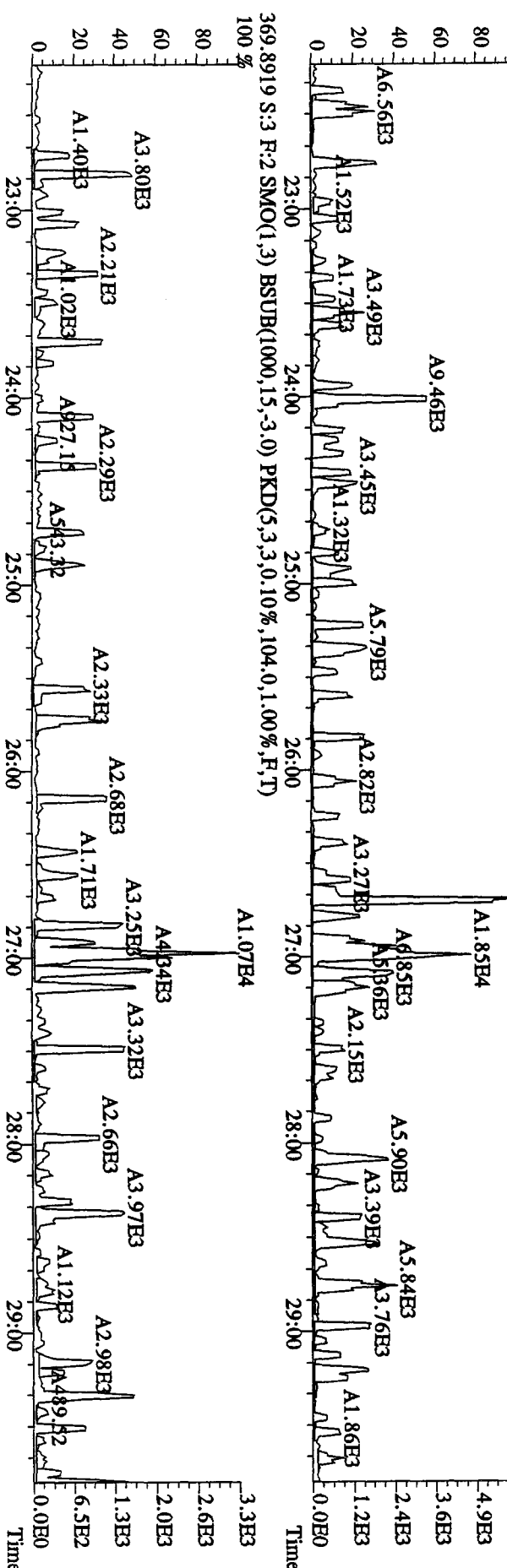
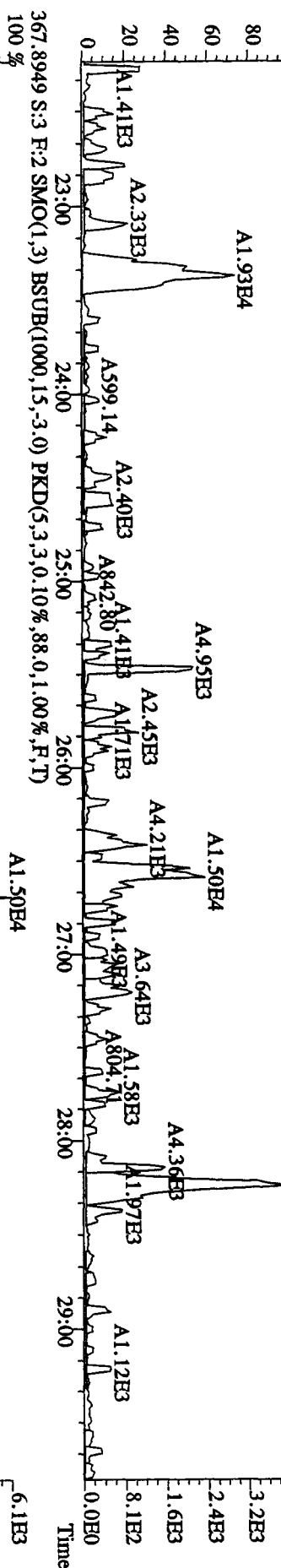
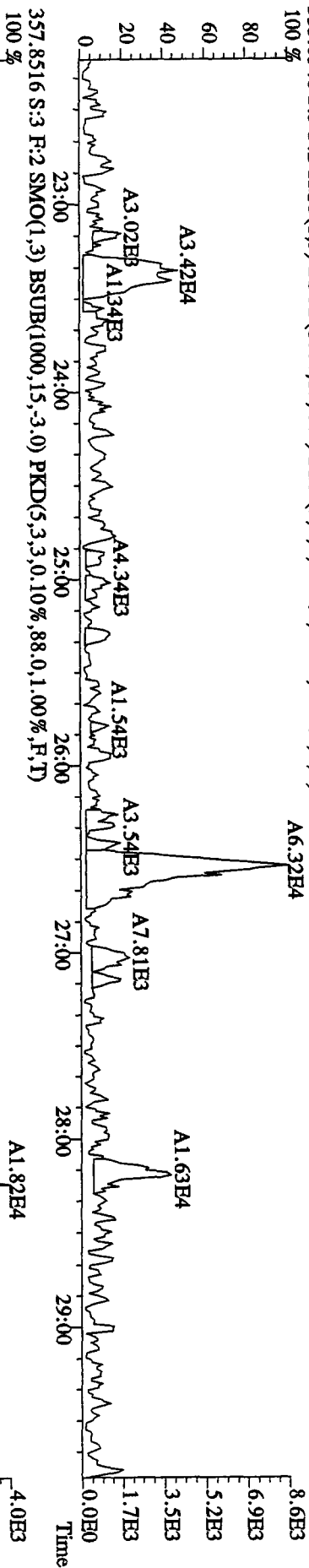
File:21AP104D5 #1-604 Acq:21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,400,0.1,00%,F,T)



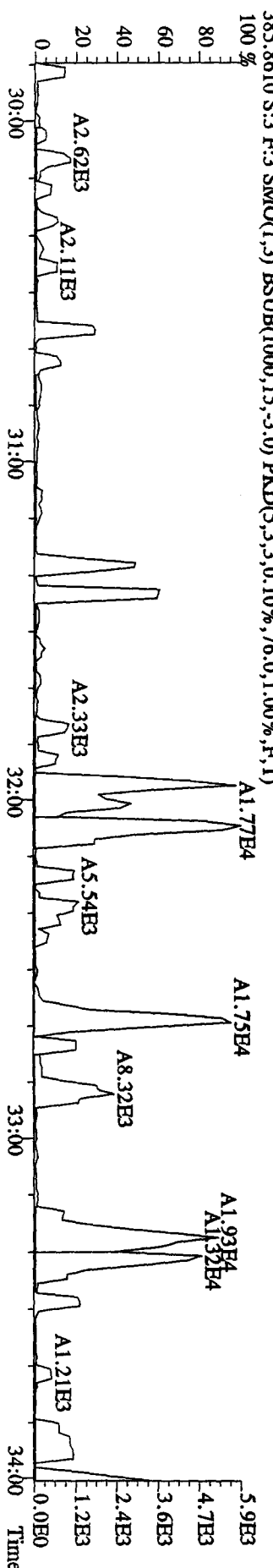
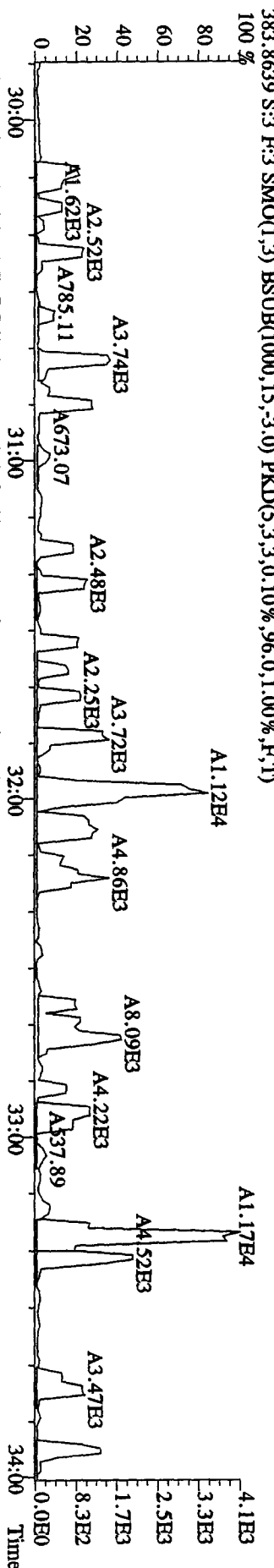
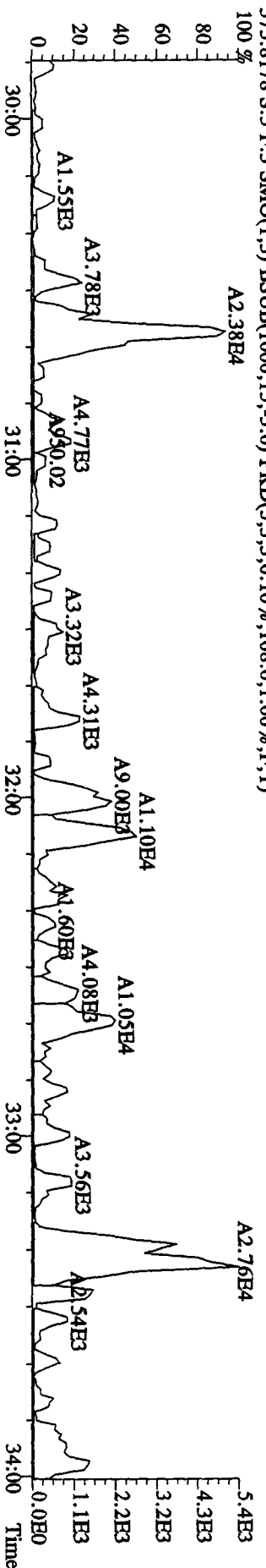
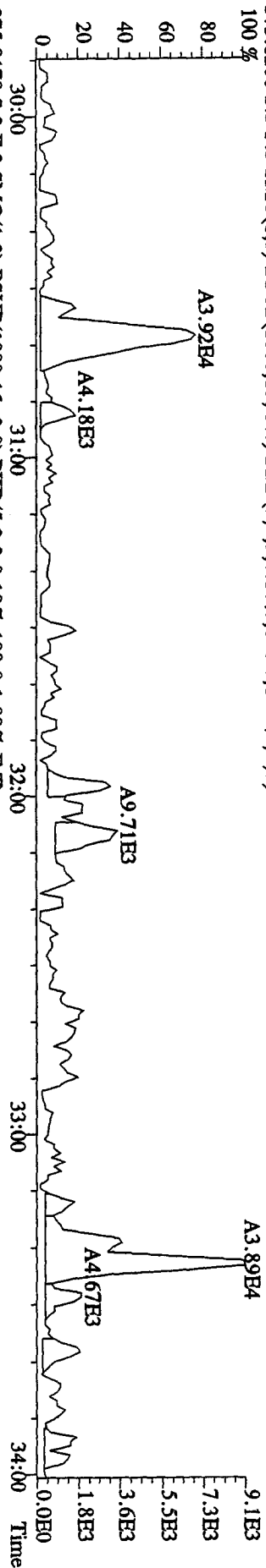
File: 21AP104D5 #1-434 Acq: 21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text: SB0421 :Solvent Blank C-14 Exp: DIOXINRES8290A
 339.8597 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,96.0,1.00%,F,T)



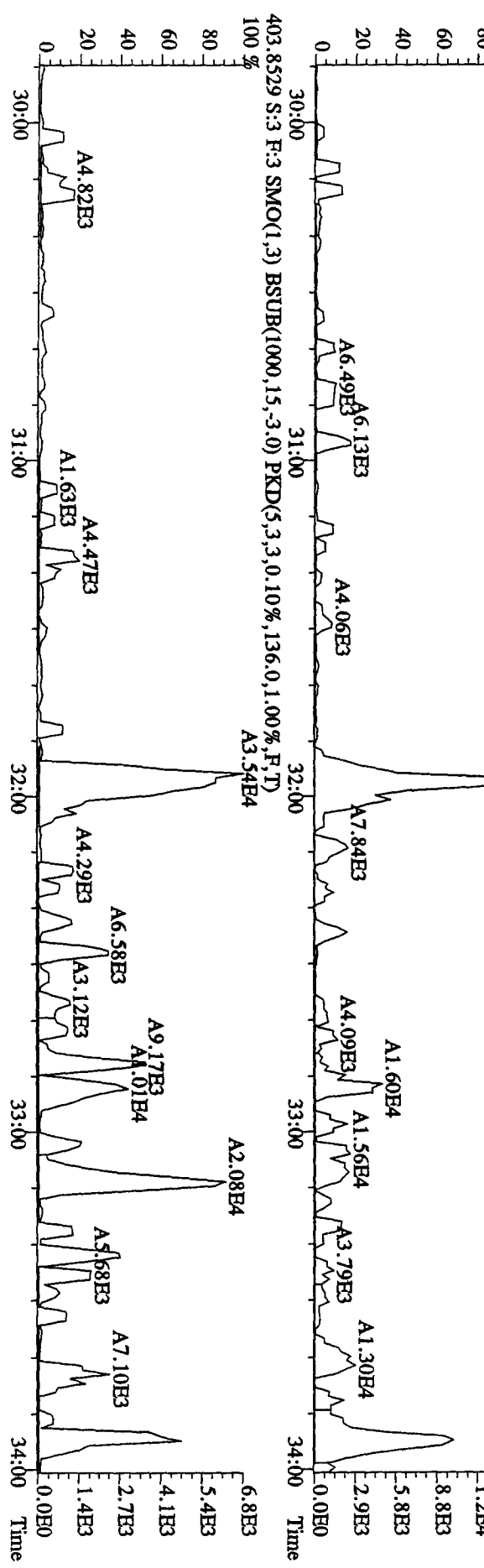
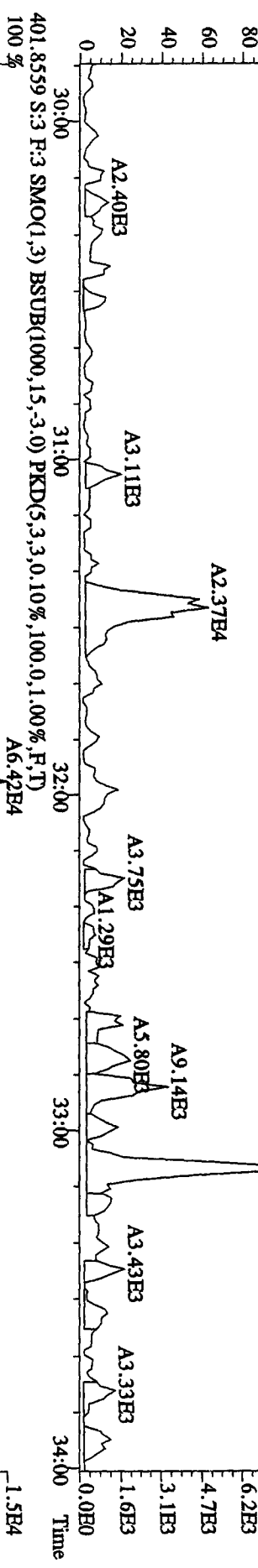
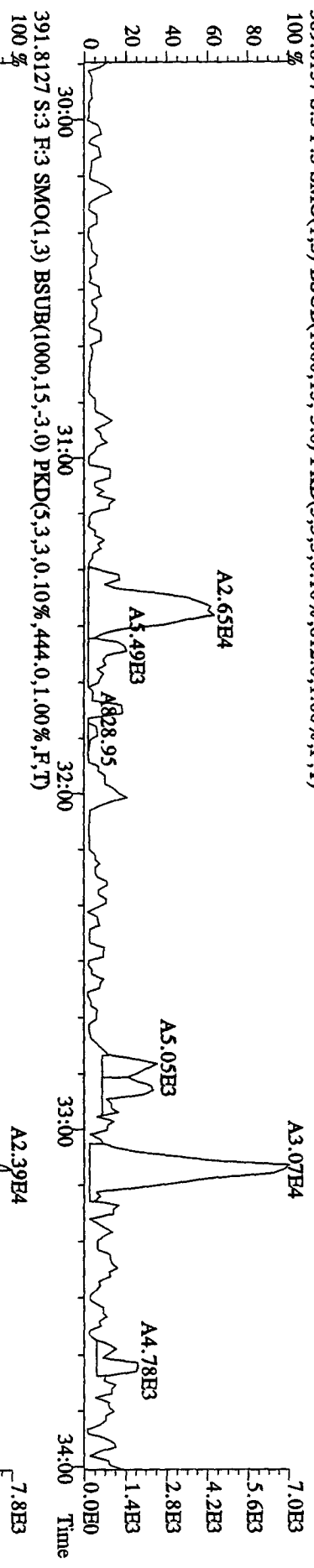
File: 21AP104D5 #1-604 Acq: 21-APR-2010 09:50:32 GC FI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text: SB0421 :Solvent Blank C-14 Exp: DIOXINRESS8290A
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



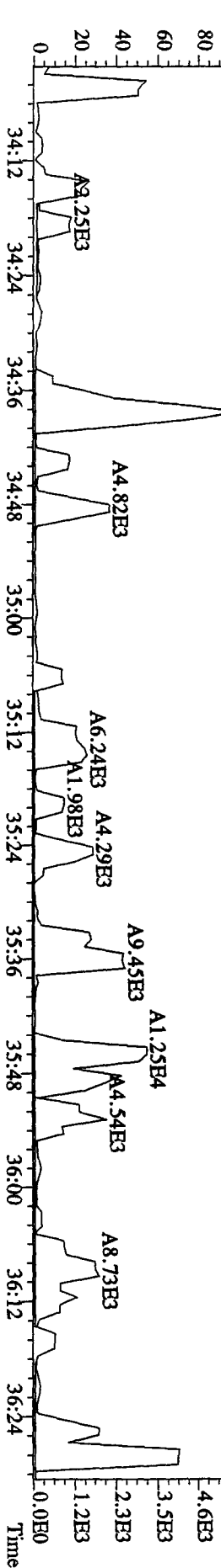
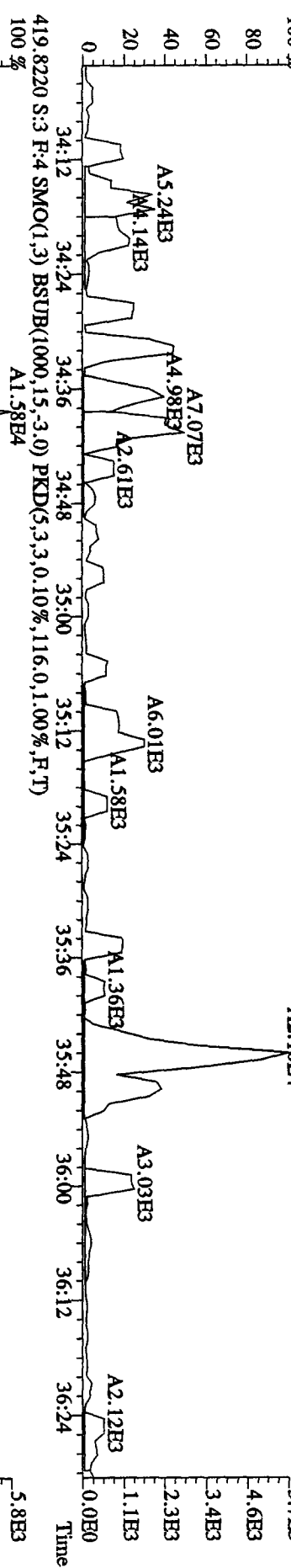
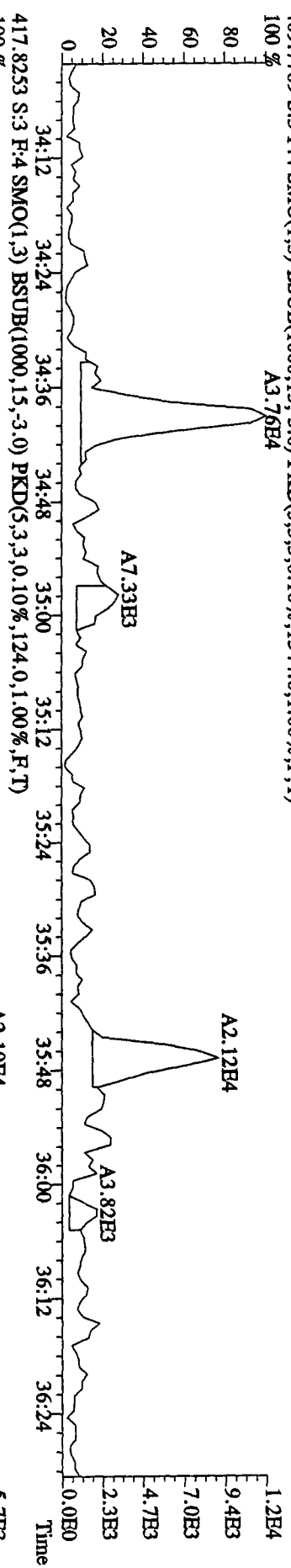
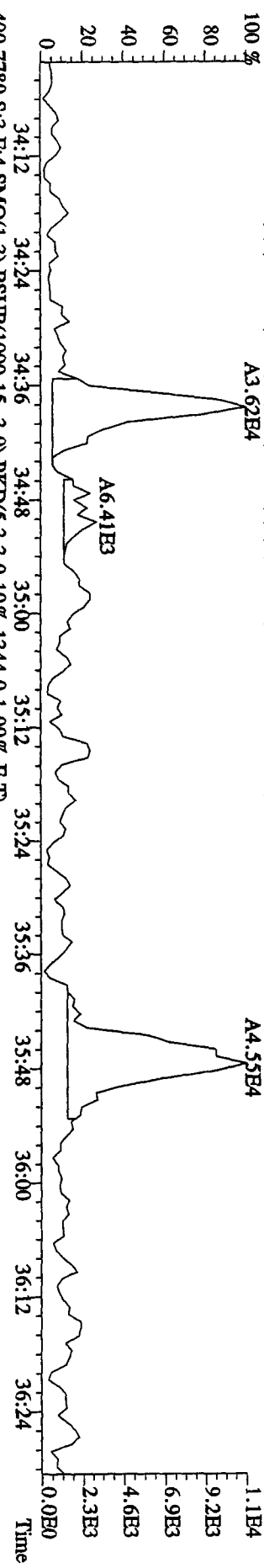
File:21AP104D5 #1-317 Acq:21-APR-2010 09:50:32 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848,0,1.00%,F,T)



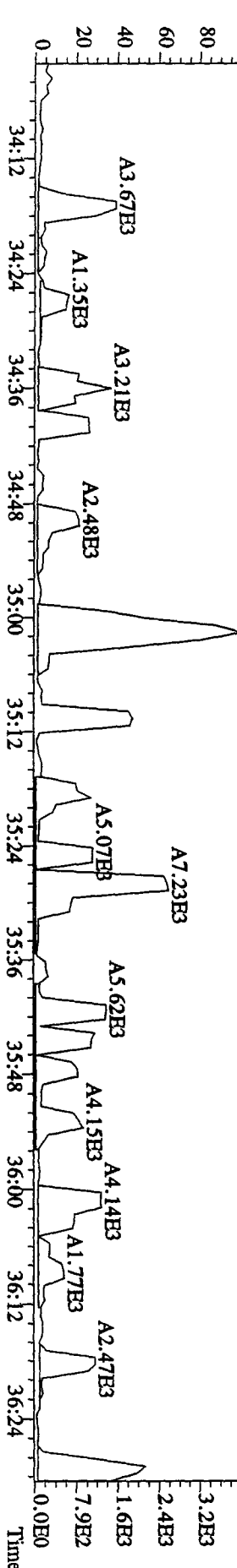
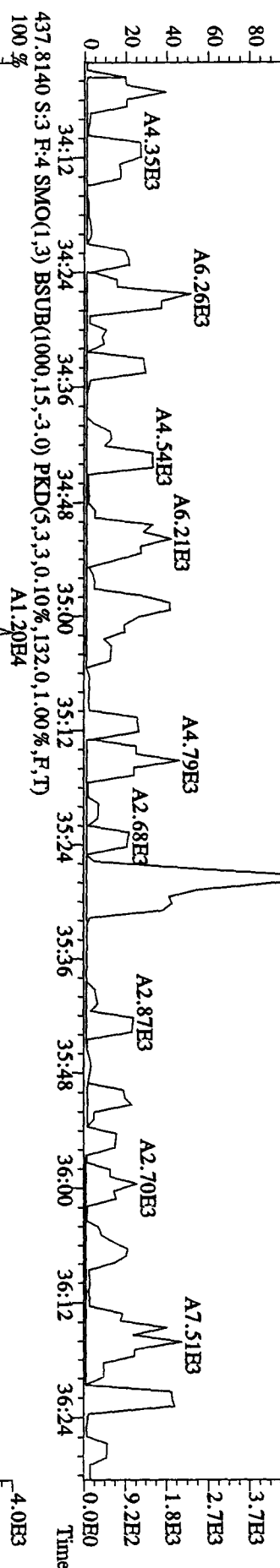
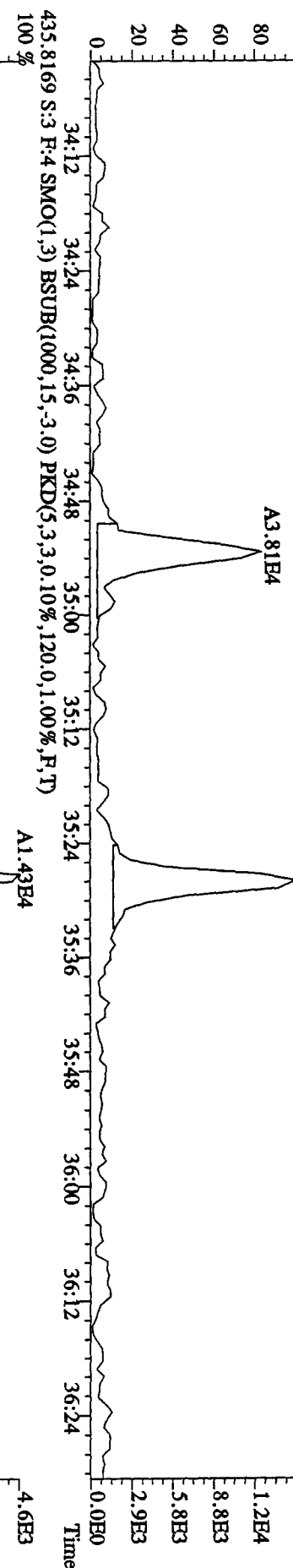
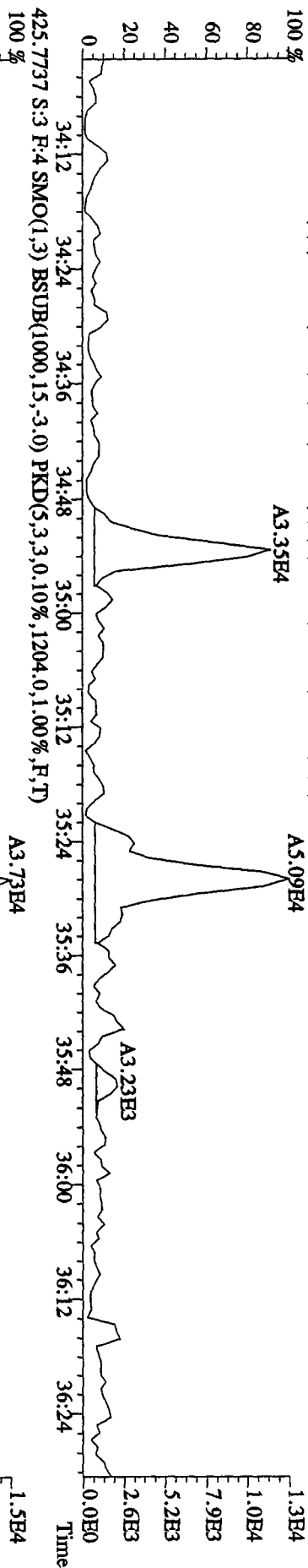
File: 21AP104D5 #1-317 Acq: 21-APR-2010 09:50:32 GC: EI+ Voltage: SIR Autospec-UltimaB
 Sample#3 Text: SB0421 : Solvent Blank C-14 Exp: DIOXINRES8290A
 389.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,812.0,1.00%,F,T)



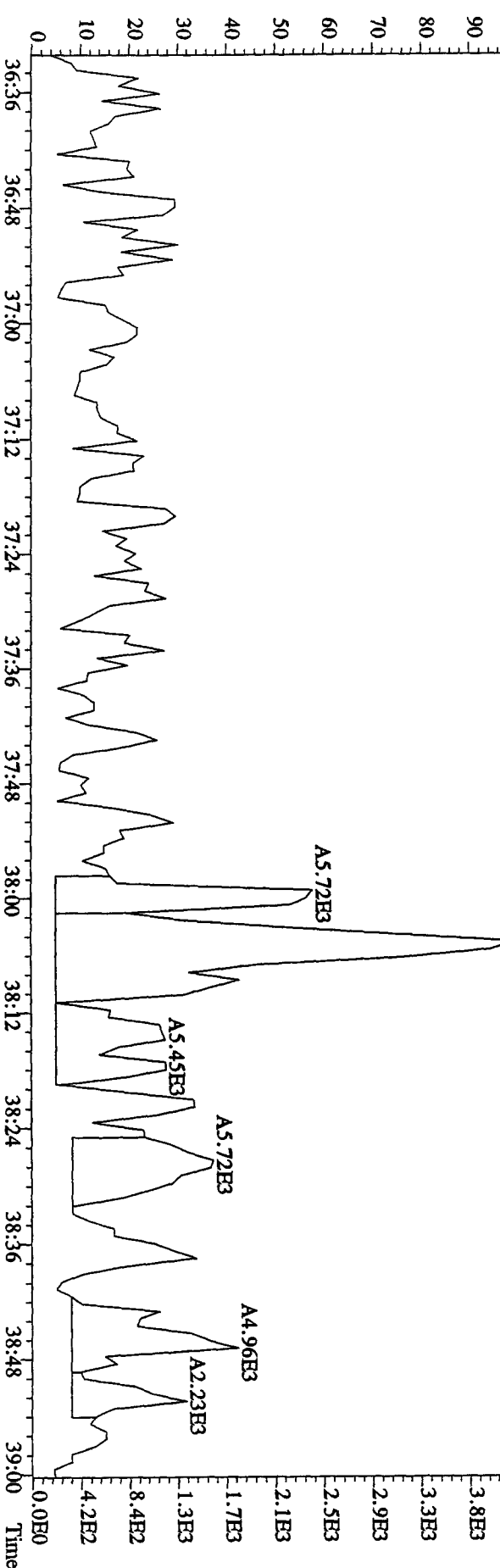
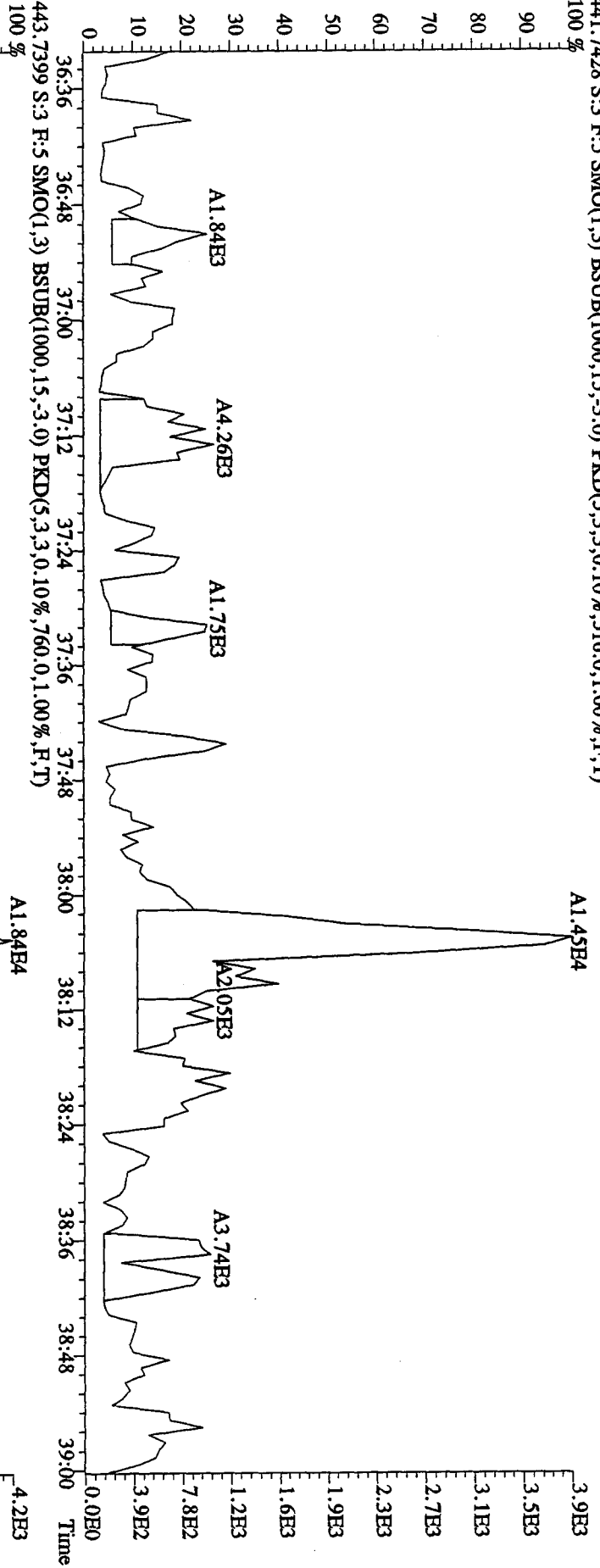
File:21AP104D5 #1-198 Acq:21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1612.0,1.00%,F,T)



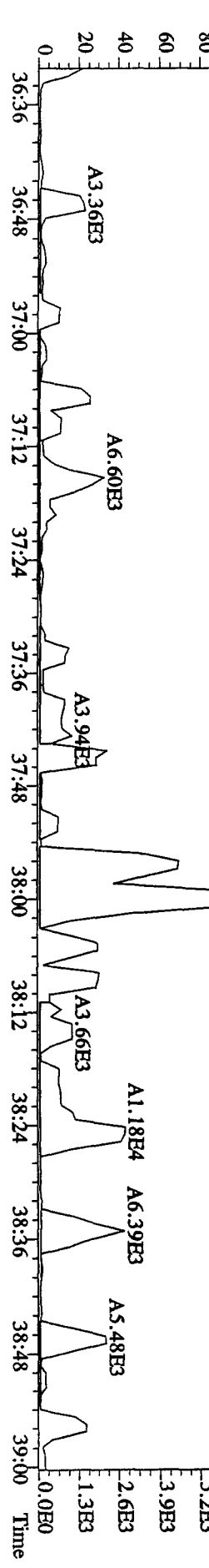
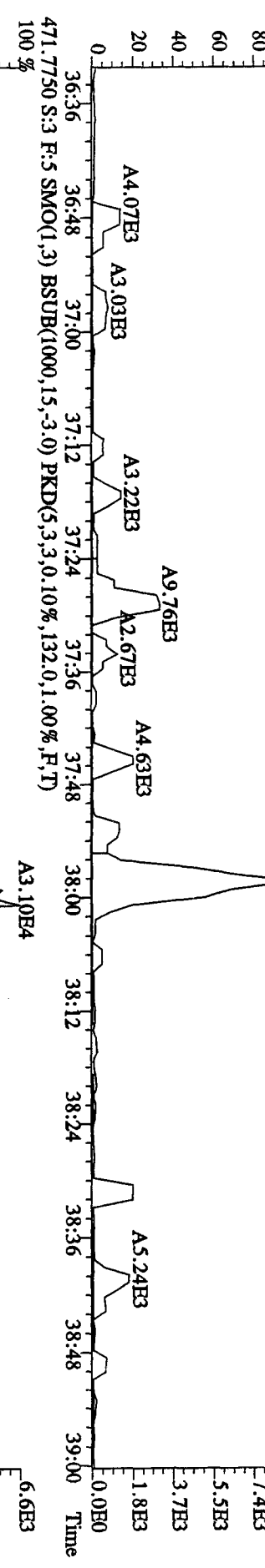
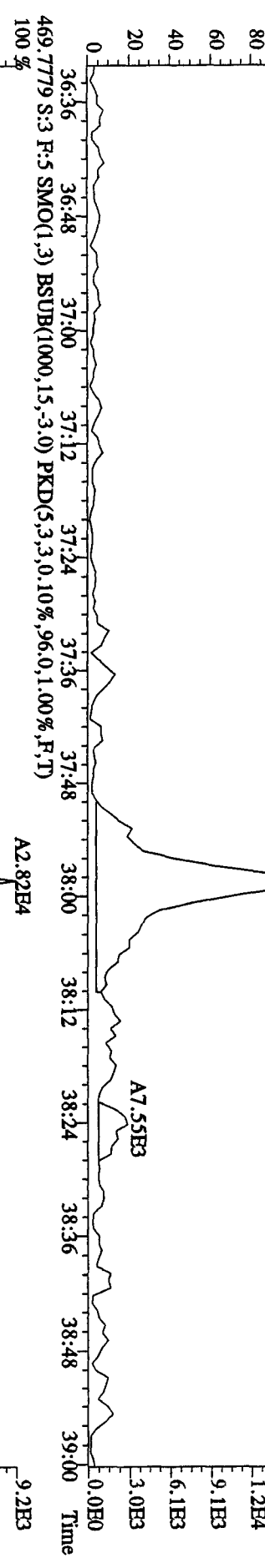
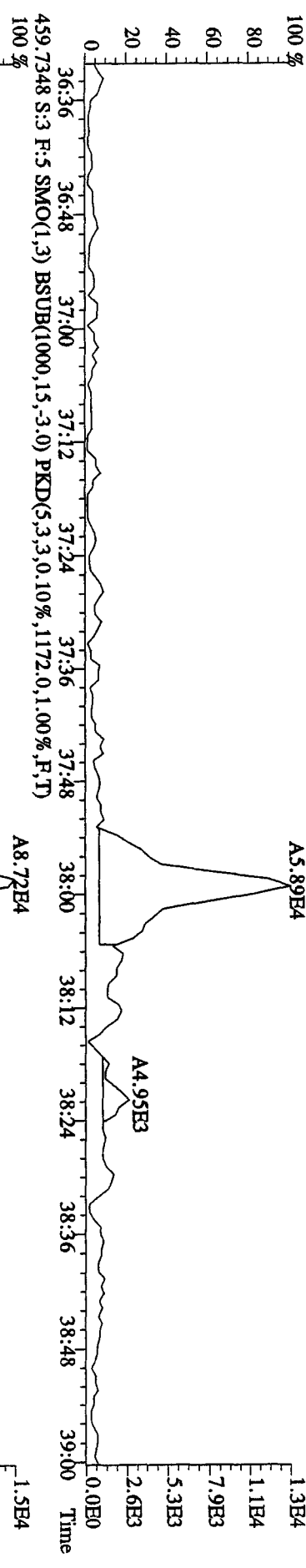
File: 21AP104D5 #1-198 Acq: 21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-Ultima8
 Sample#3 Text: SB0421 :Solvent Blank C-14 Exp: DIOXINRES8290A
 423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)



File: 21AP104D5 #1-190 Acq: 21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: SB0421 :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%,516.0,1.00%,F,T)



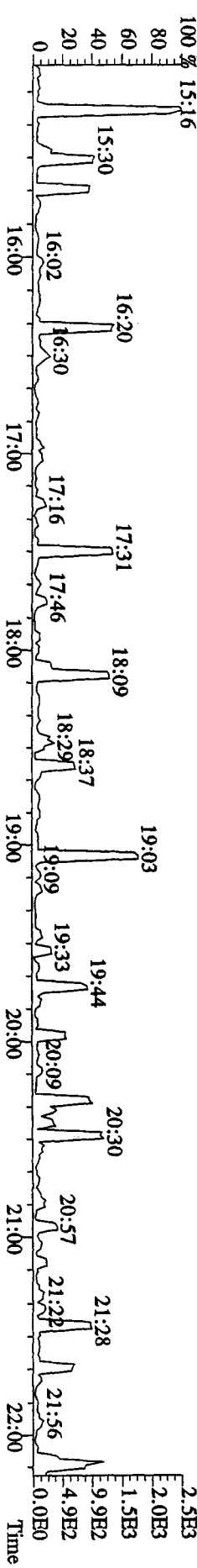
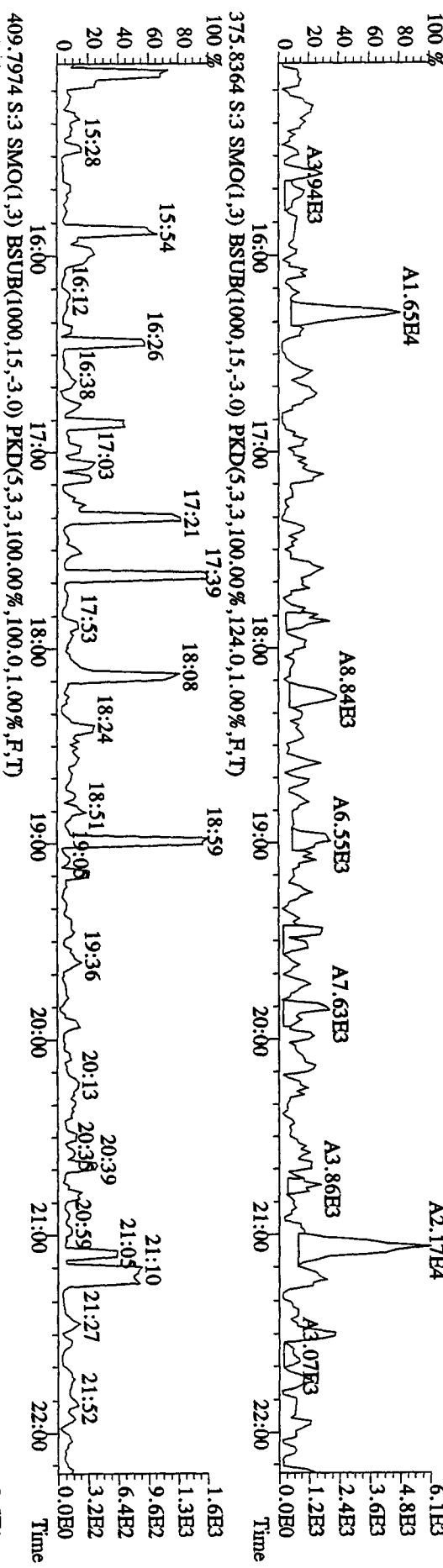
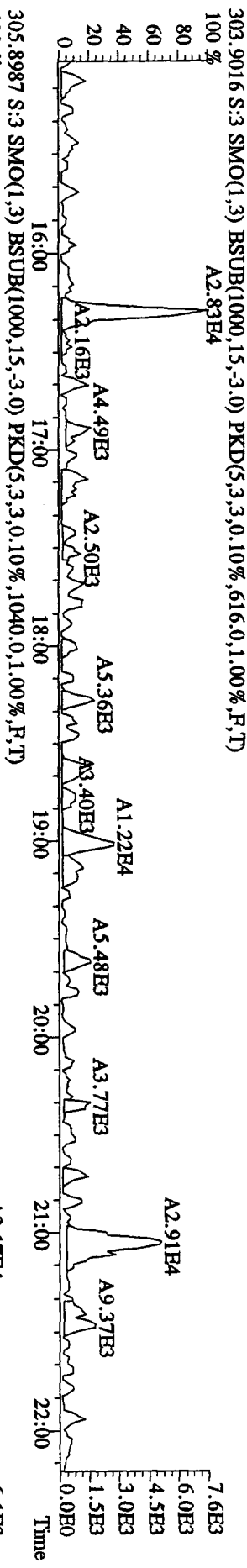
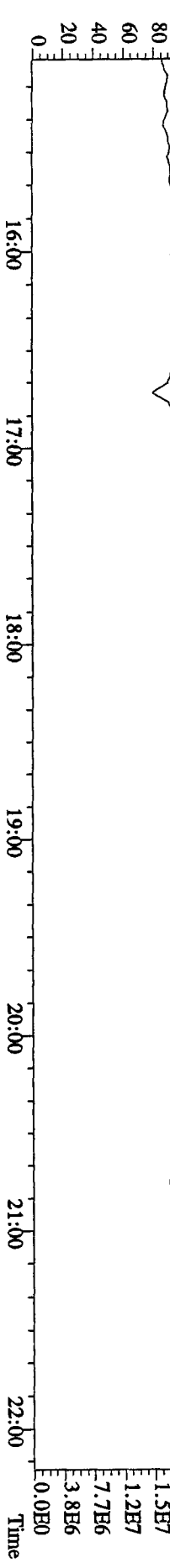
File:21AP104D5 #1-190 Acq:21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)
 100%



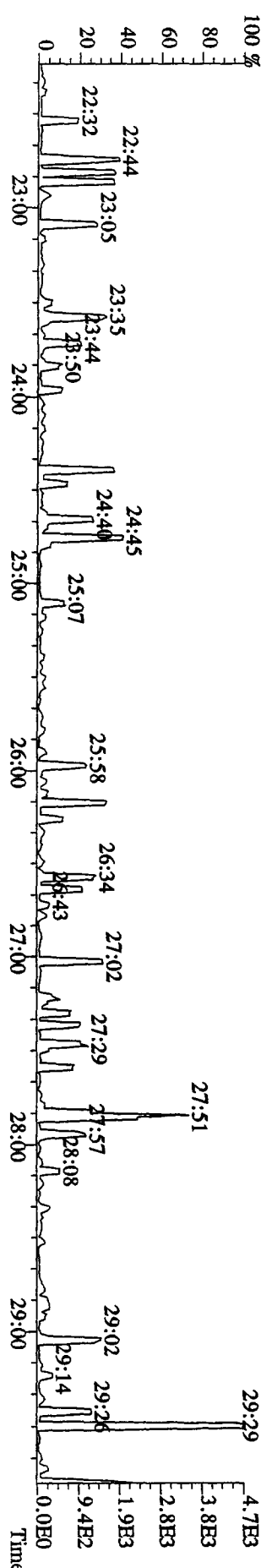
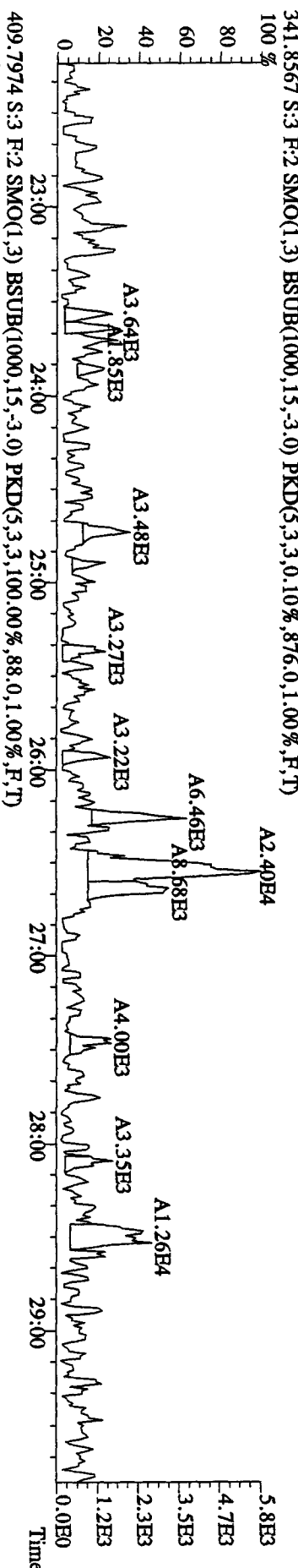
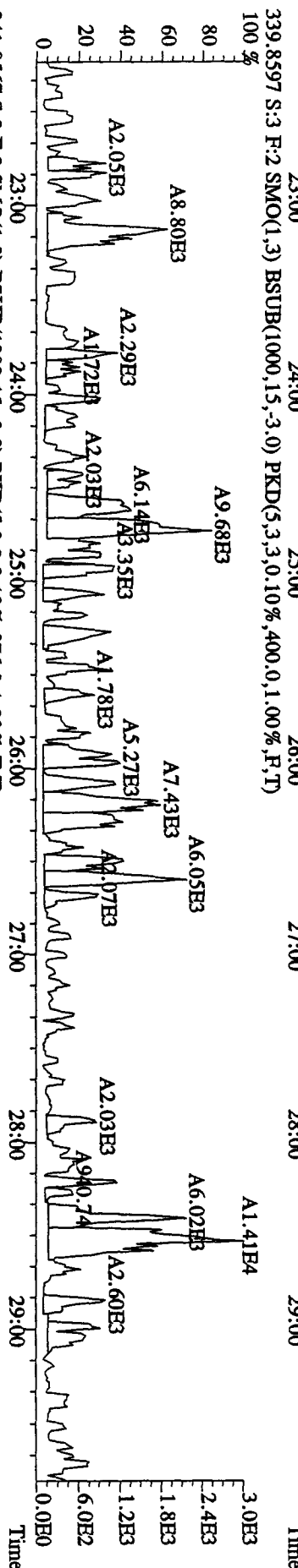
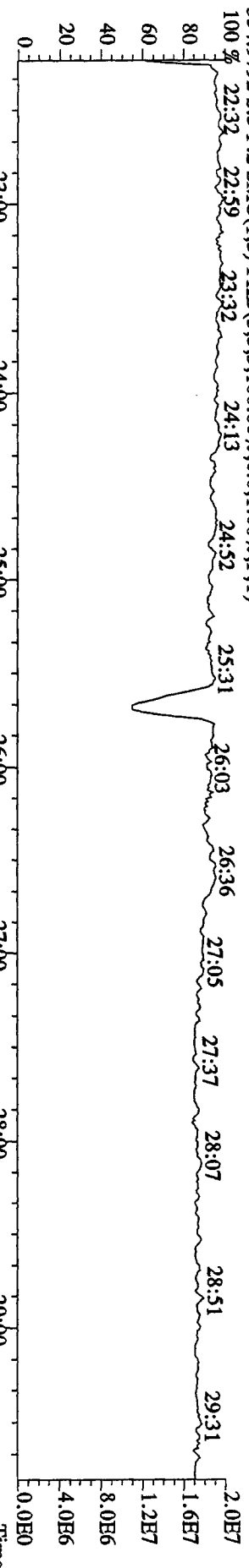
File:21AP104D5 #1-434 Acq:21-APR-2010 09:50:32 GC HI + Voltage SIR Autospec-UltimaB

Sample#3 Tex:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A

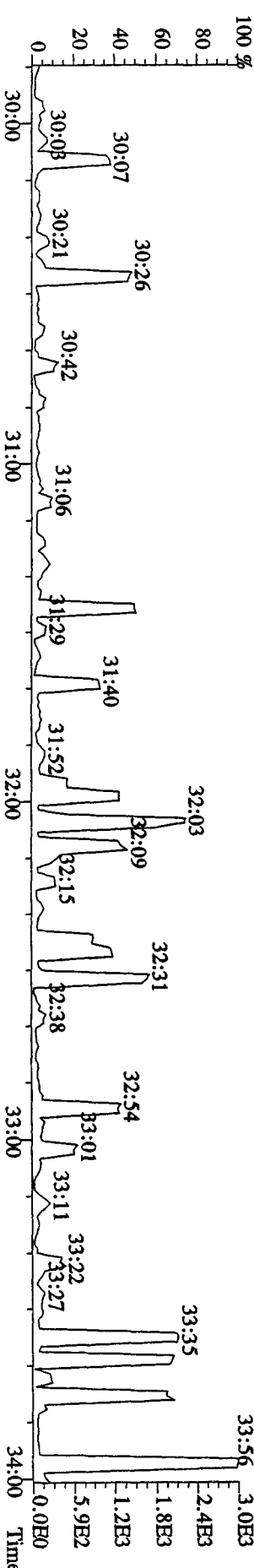
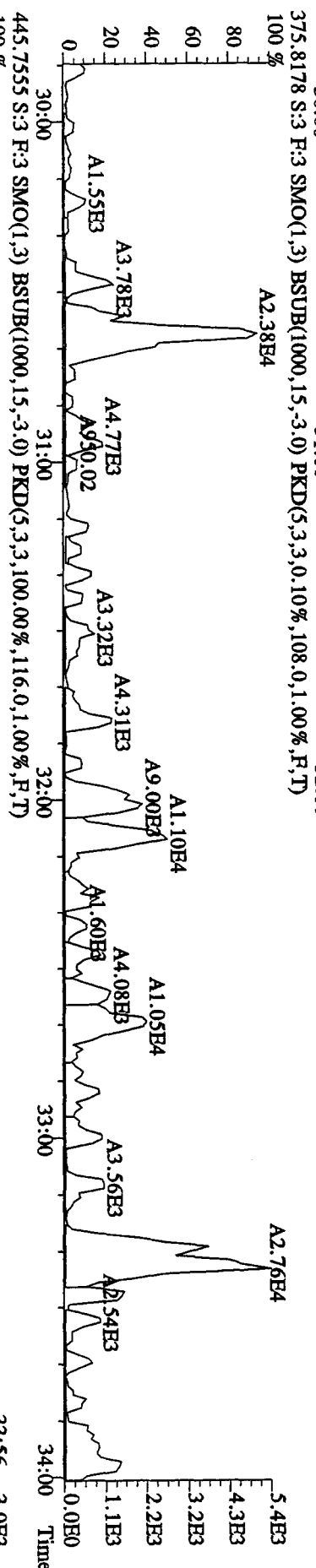
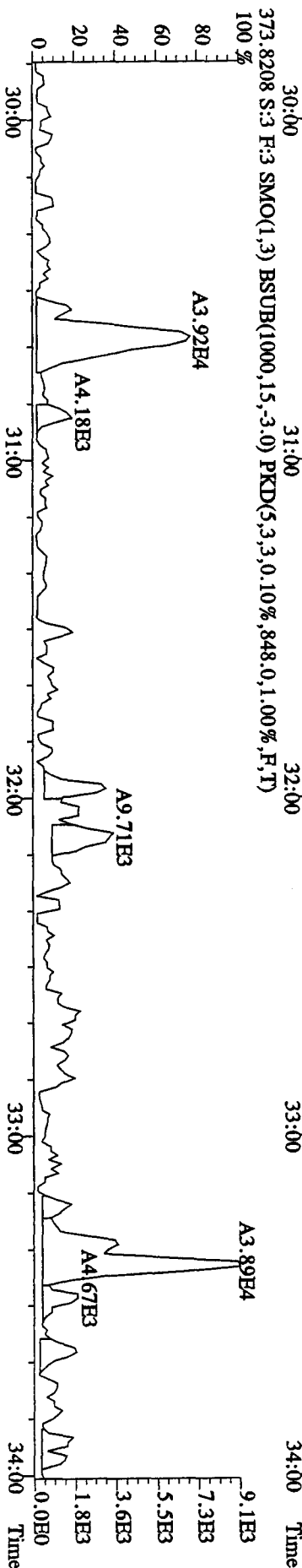
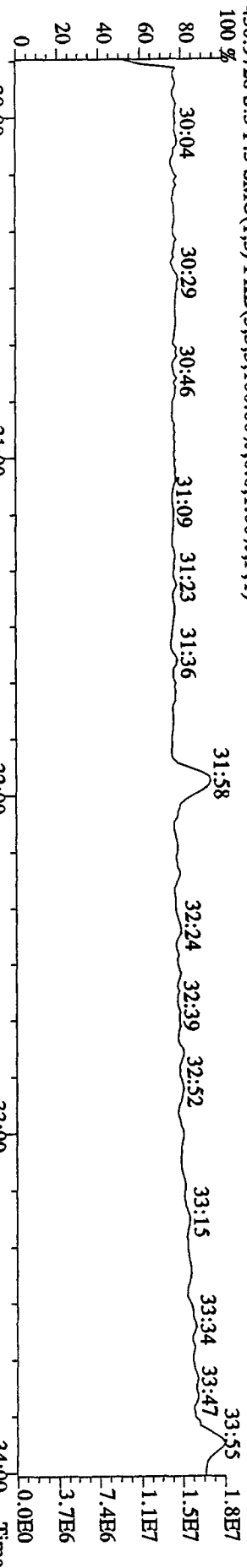
354.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 100% 15:18 15:43 16:24 16:55 17:23 17:47 18:31 19:02 19:43 20:25 20:53 21:29 21:53



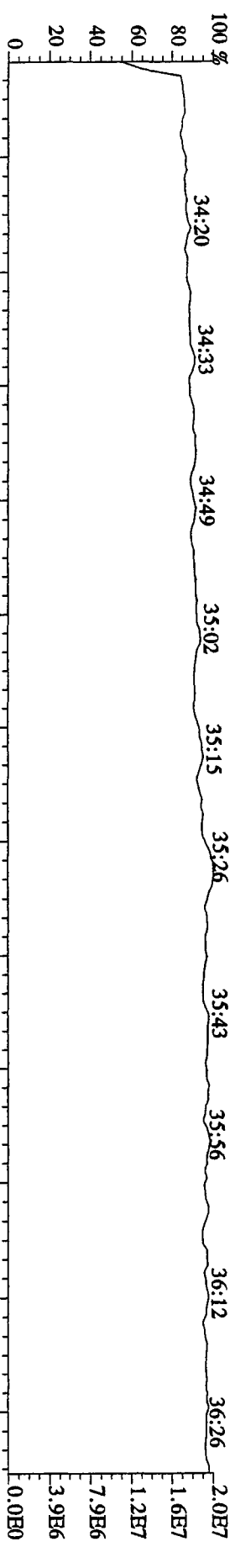
File: 21AP104D5 #1-604 Acq: 21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: SB0421 : Solvent Blank C-14 Exp: DIOXINRES8290A
 354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



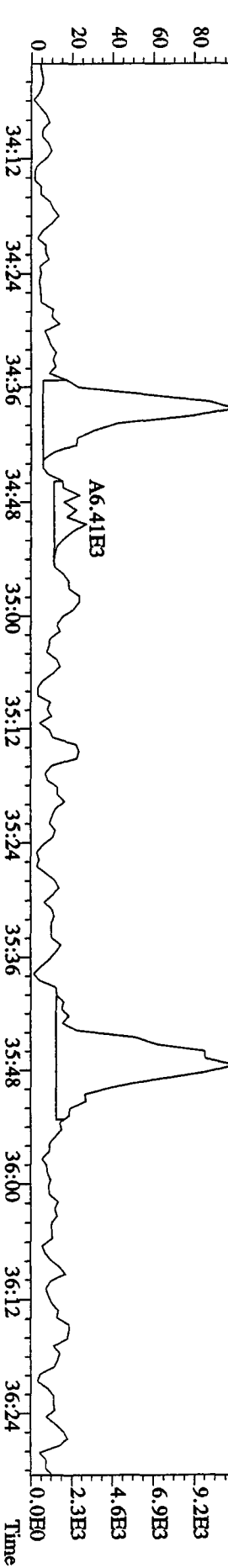
File: 21AP104D5 #1-317 Acq: 21-APR-2010 09:50:32 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text: SB0421 :Solvent Blank C-14 Exp: DIOXINRES8290A
 430.9728 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



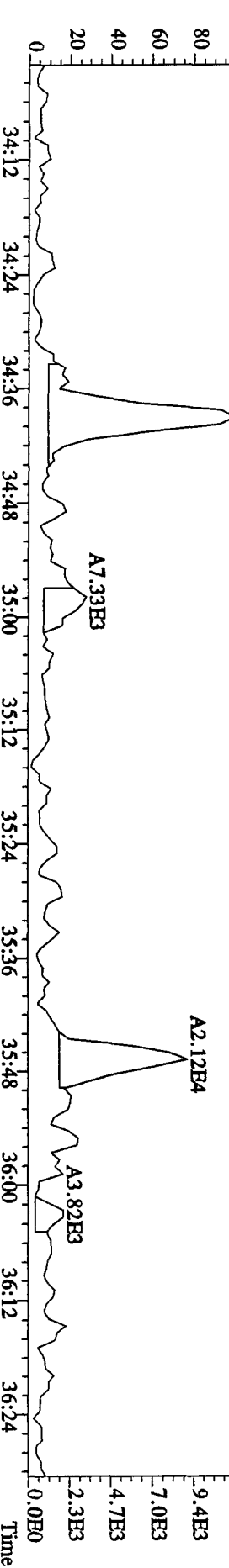
File:21AP104D5 #1-198 Acq:21-APR-2010 09:50:32 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



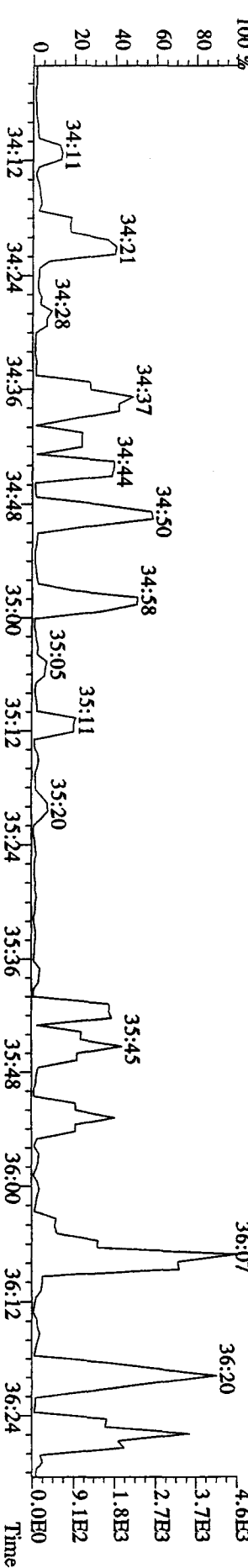
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1612.0,1.00%,F,T)
 A3.62B4



409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1344.0,1.00%,F,T)
 A3.76B4



479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,104.0,1.00%,F,T)

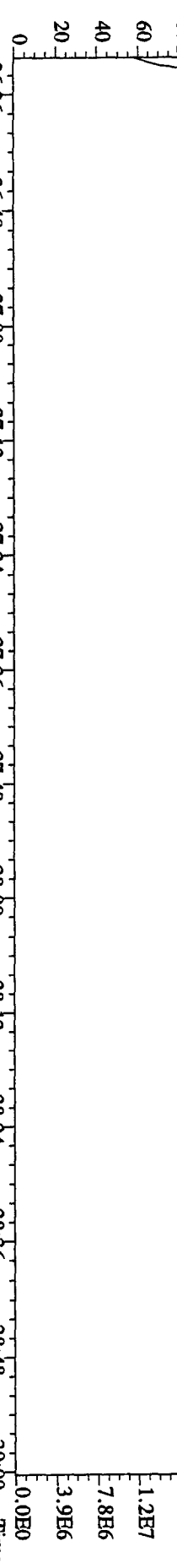


File:21AP104D5 #1-190 Acq:21-APR-2010 09:50:32 GC HI + Voltage SIR Autospec-UltimaE

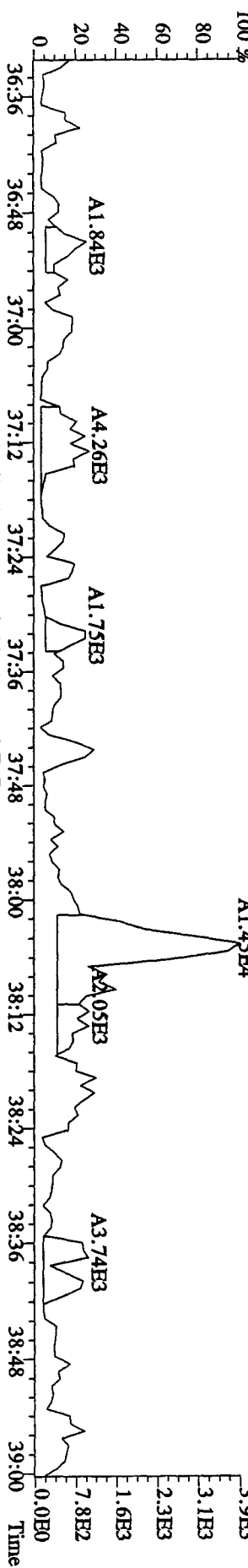
Sample#3 Text:SB0421 :Solvent Blank C-14 Exp:DIOXINRES8290A

442.9728 S:3 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

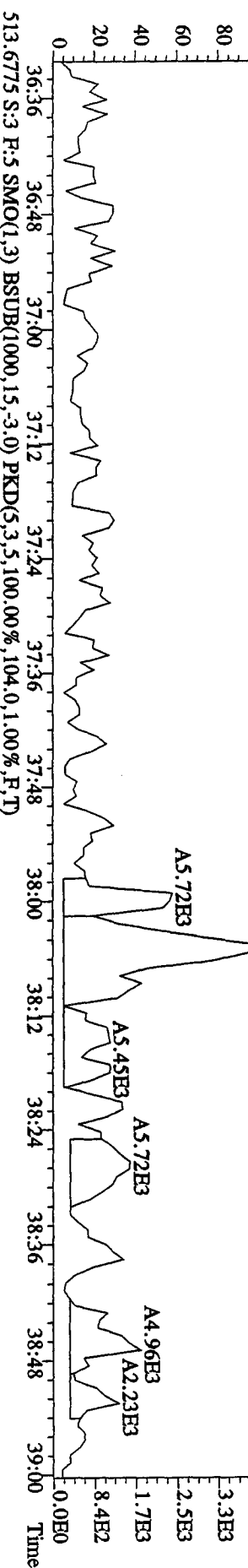
100% 36:37 36:46 36:56 37:05 37:22 37:34 37:45



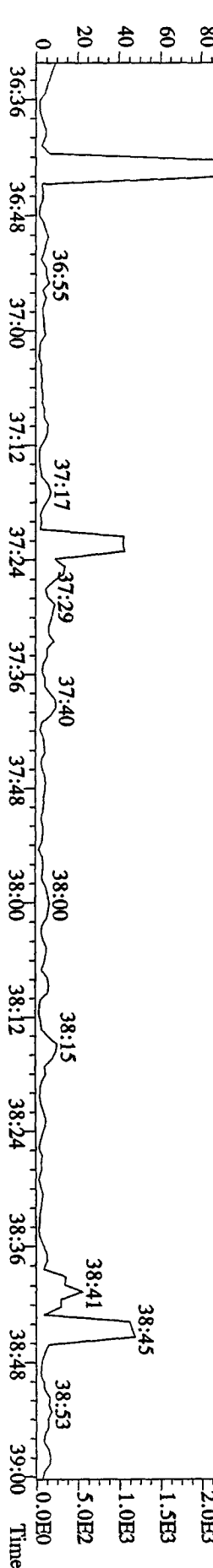
441.7428 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,516.0,1.00%,F,T)



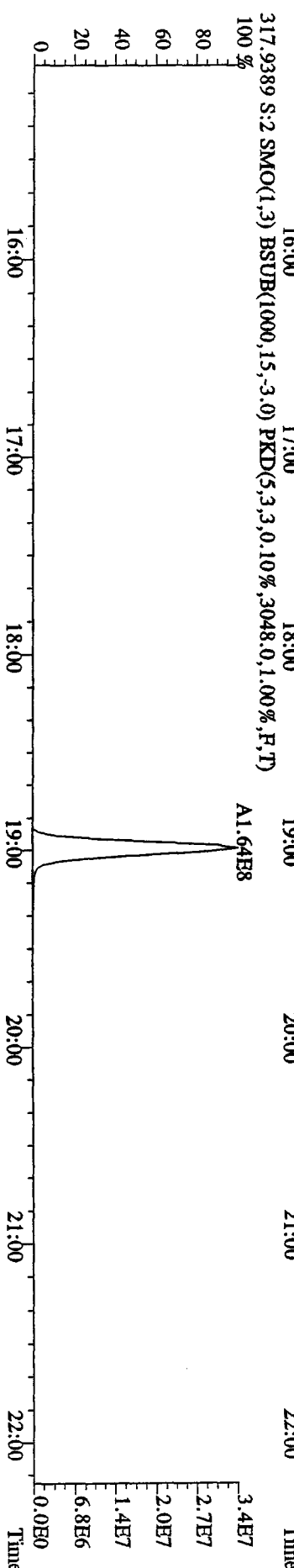
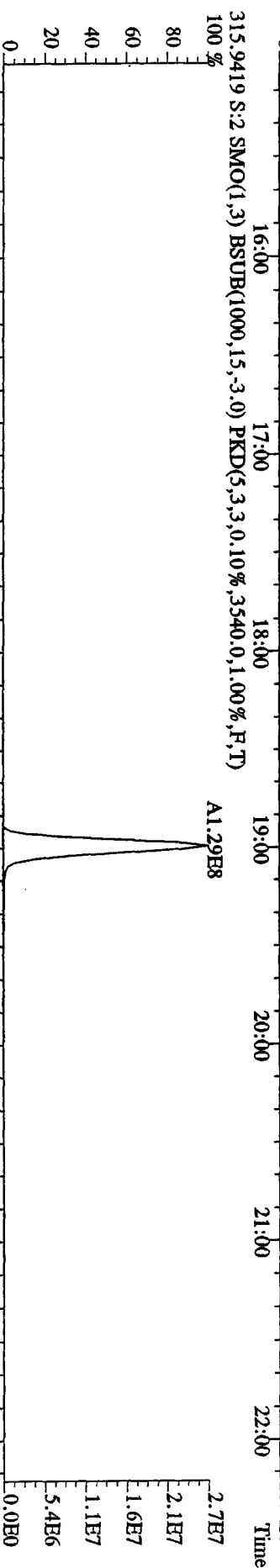
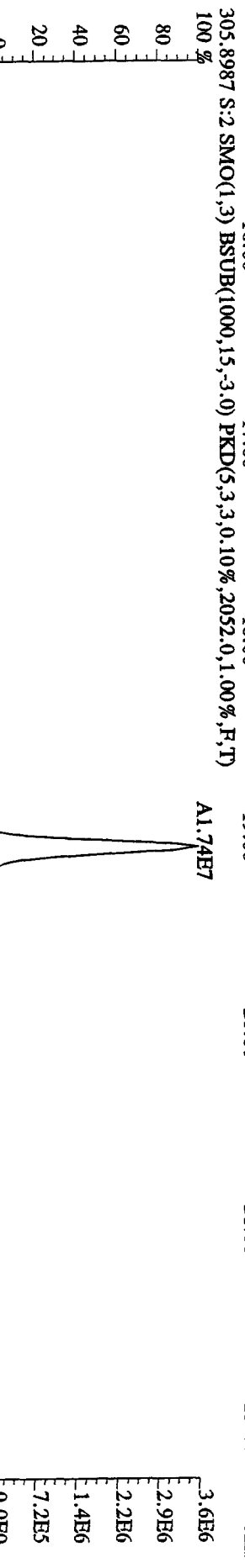
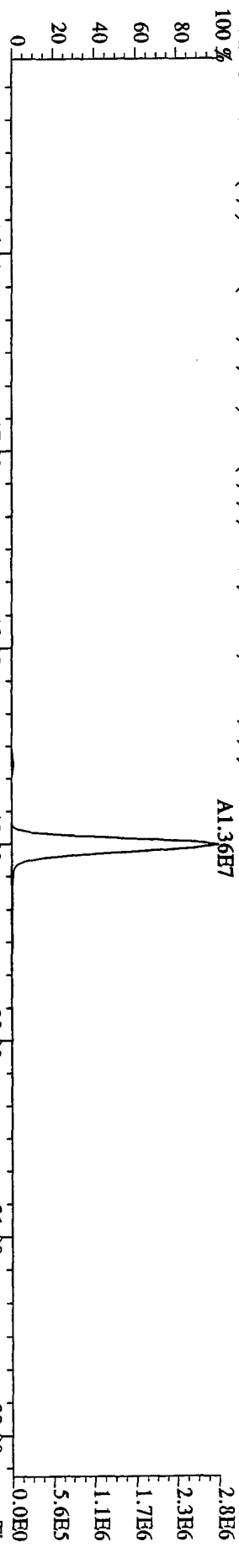
443.7399 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,760.0,1.00%,F,T)



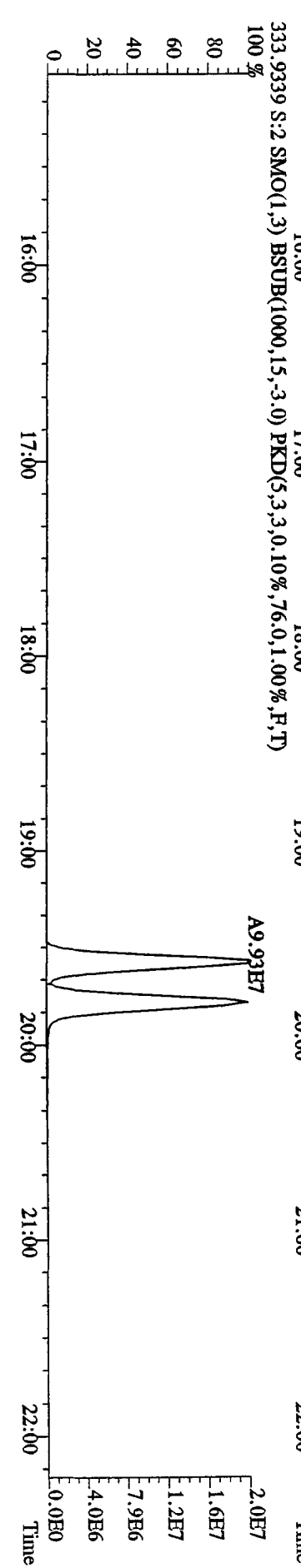
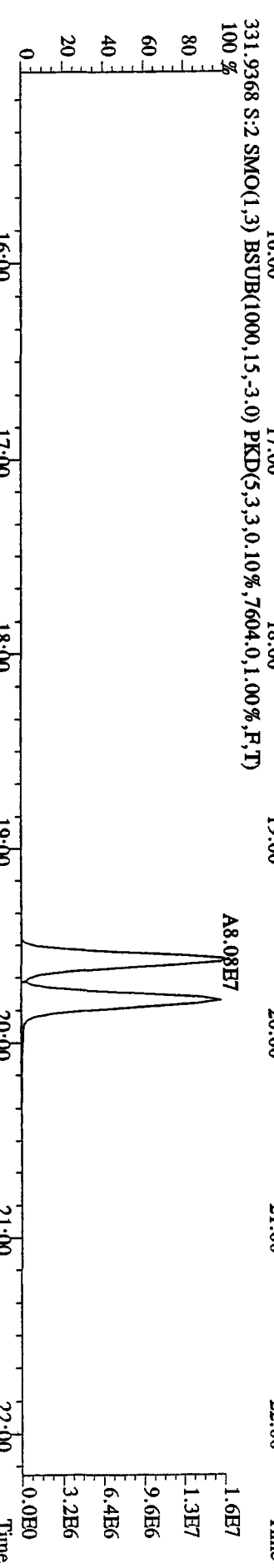
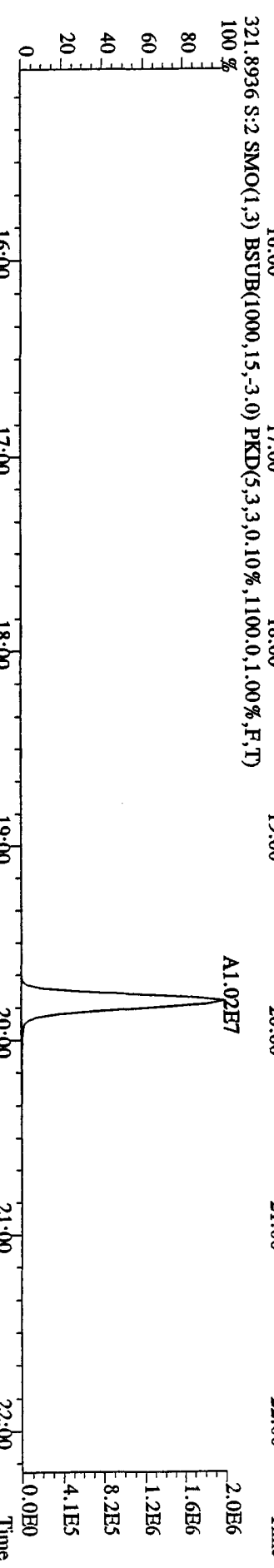
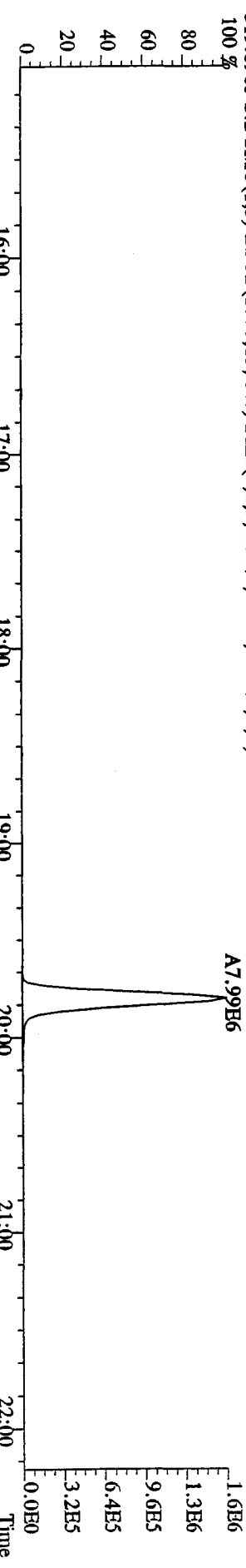
513.6775 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,5,100.00%,104.0,1.00%,F,T)



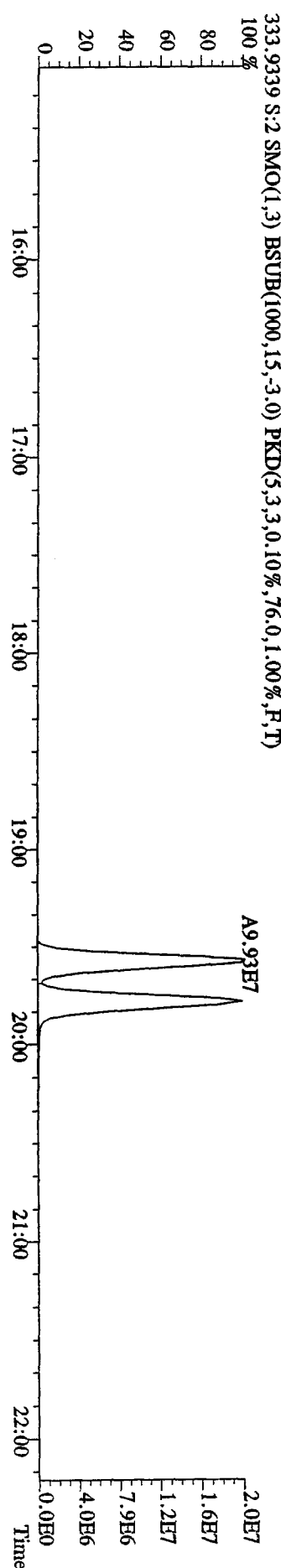
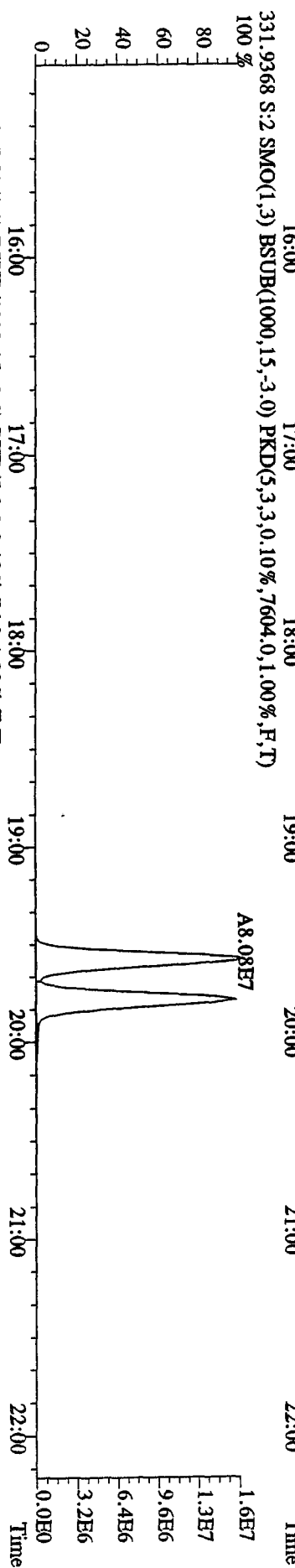
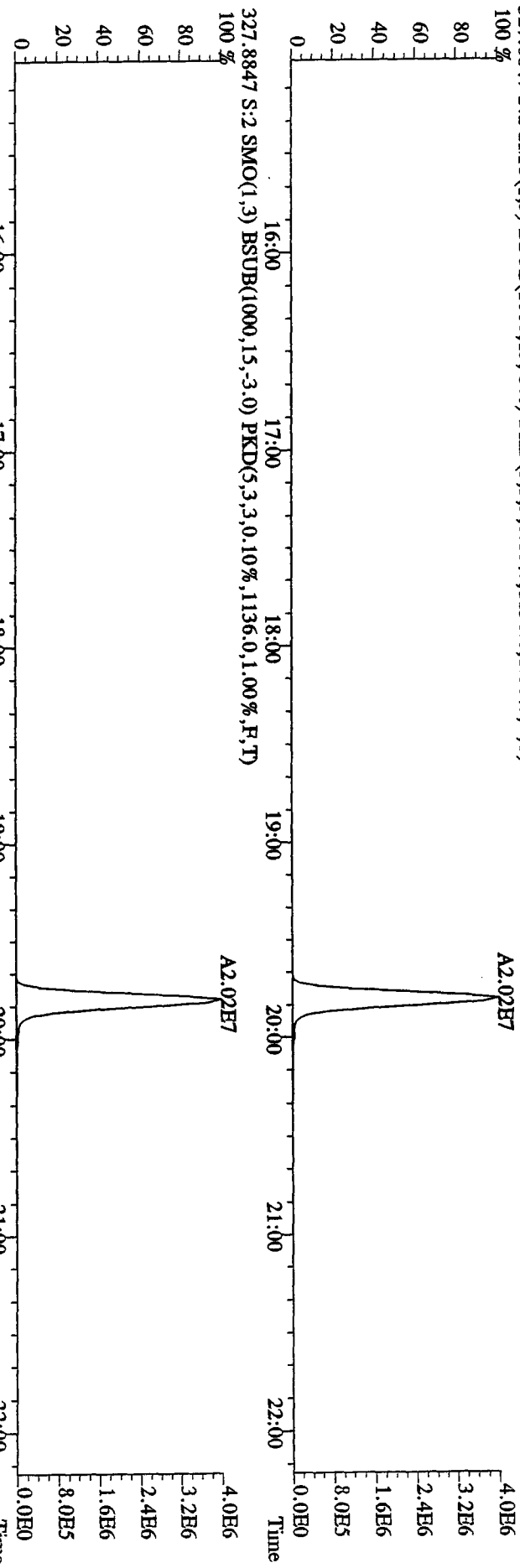
File:21AP10B4D5 #1-434 Acq:21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-UltimaB
Sample#2 Text:ST0421B :CS3 10DXN111 Exp:DIOXINRES8290A
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1256,0,1,00%,F,T)



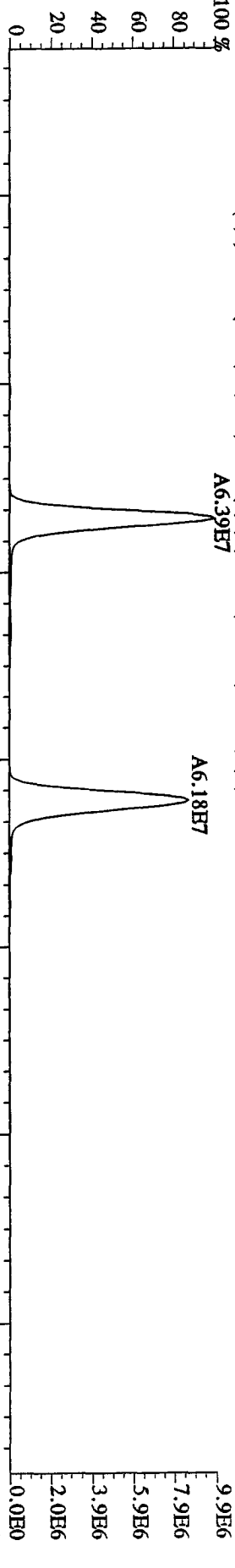
File:21AP10B4D5 #1-434 Acq:21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0421B :CS3 10DXN111 Exp:DIOXINRES8290A
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,876.0,1.00%,F,T)



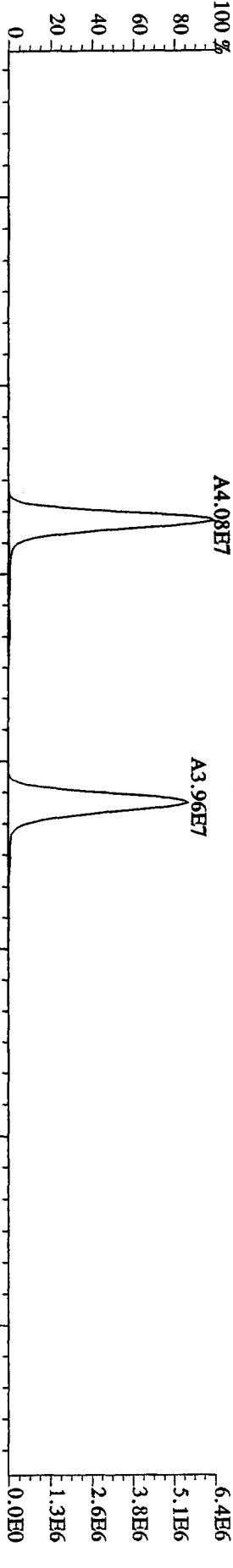
File:21ADP10B4D5 #1-434 Acq:21-APR-2010 21:50:09 GC FI + Voltage SIR Autospec-Ultimate
Sample#2 Text:ST0421B :CS3 10DXN111 Exp:DIOXINRES8290A
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1136,0,1,00%,F,T)



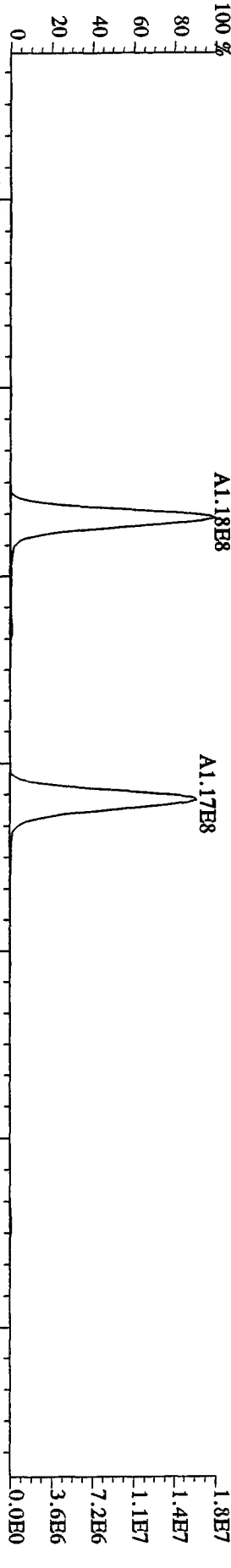
File: 21AP10B4D5 #1-604 Acq: 21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: ST0421B :CS3 10DXN111 Exp: DIOXINRES8290A
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2452.0,1.00%,F,T)
 100 % A6.39E7



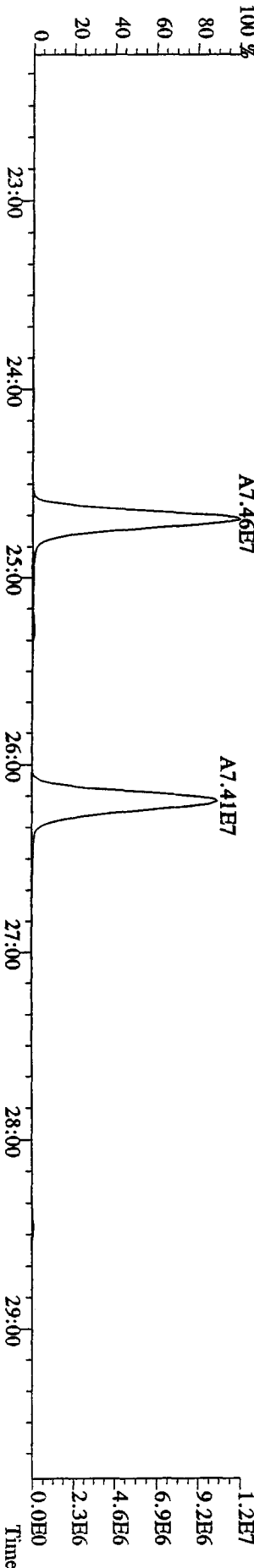
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2740.0,1.00%,F,T)
 100 % A4.08E7



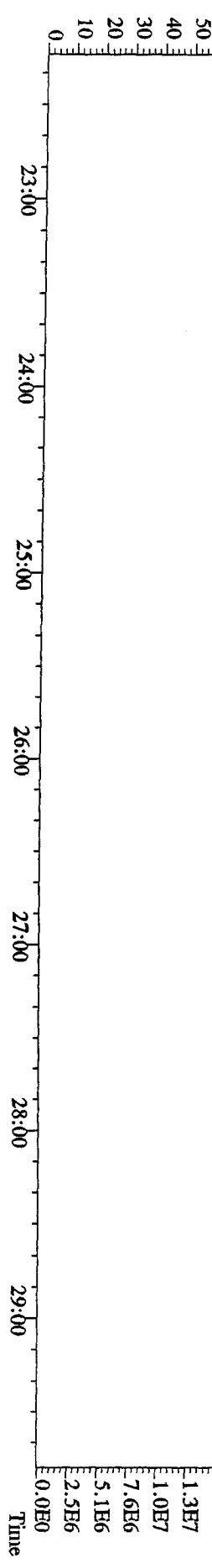
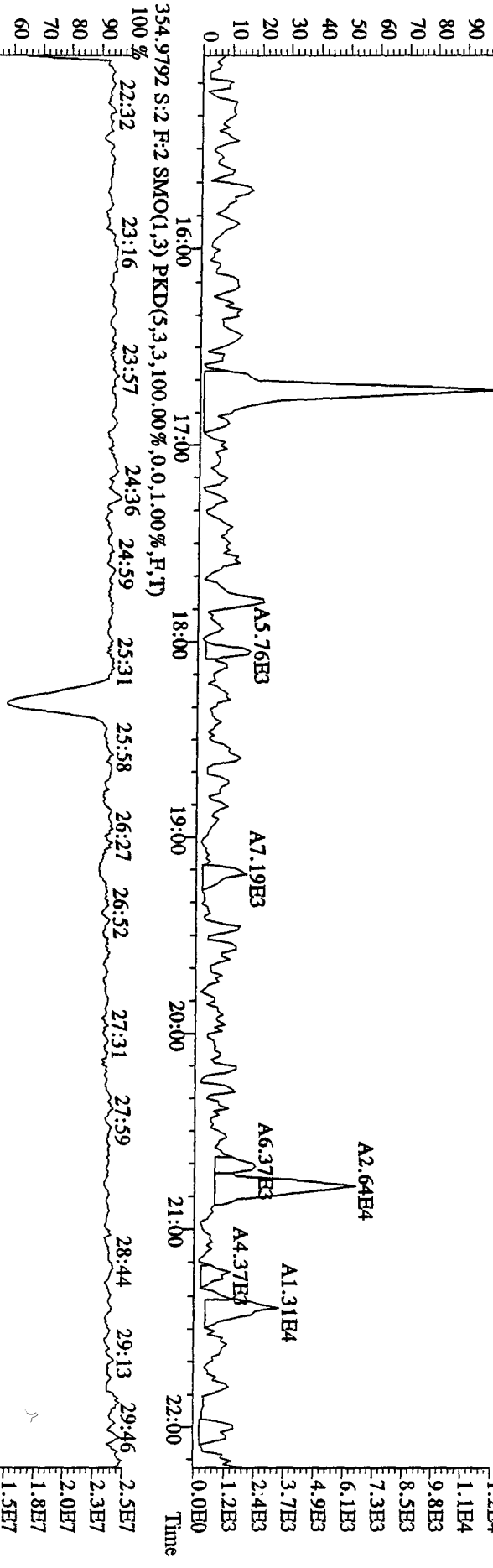
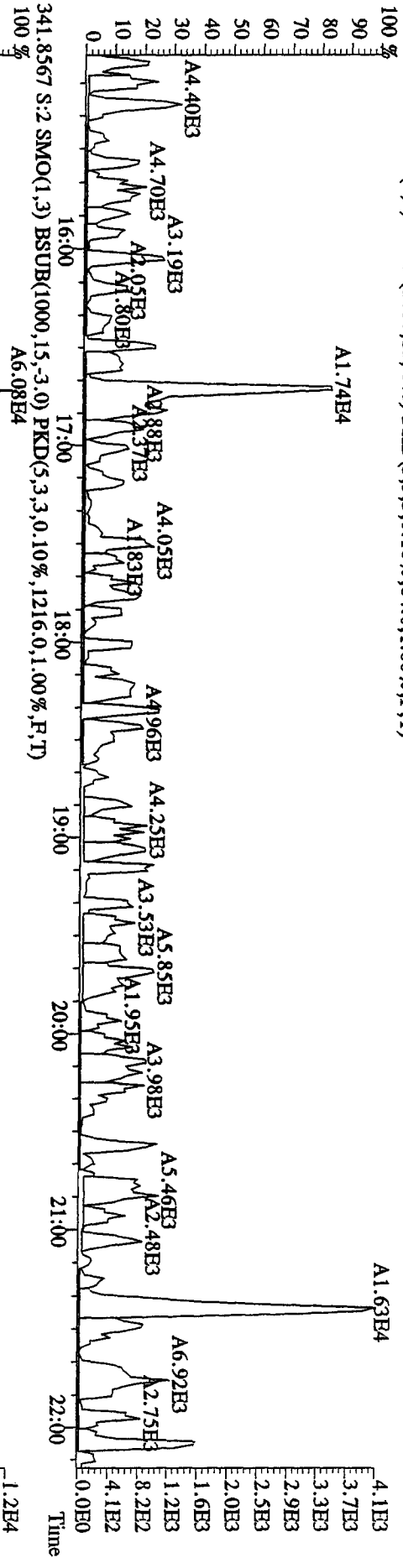
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4164.0,1.00%,F,T)
 100 % A1.18E8



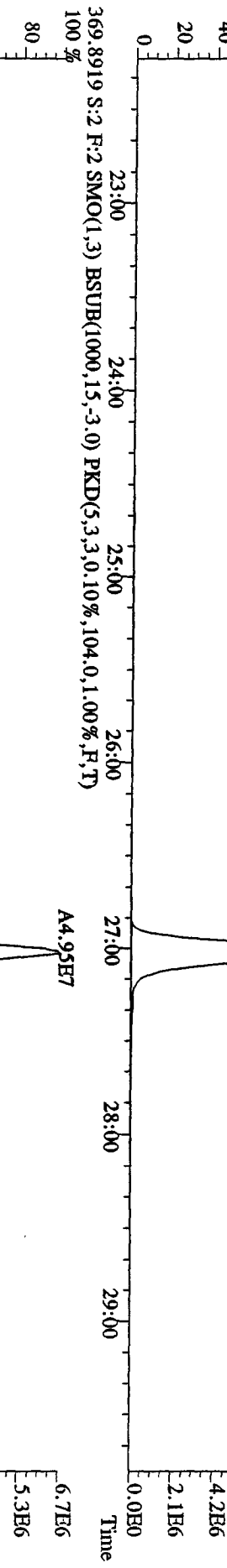
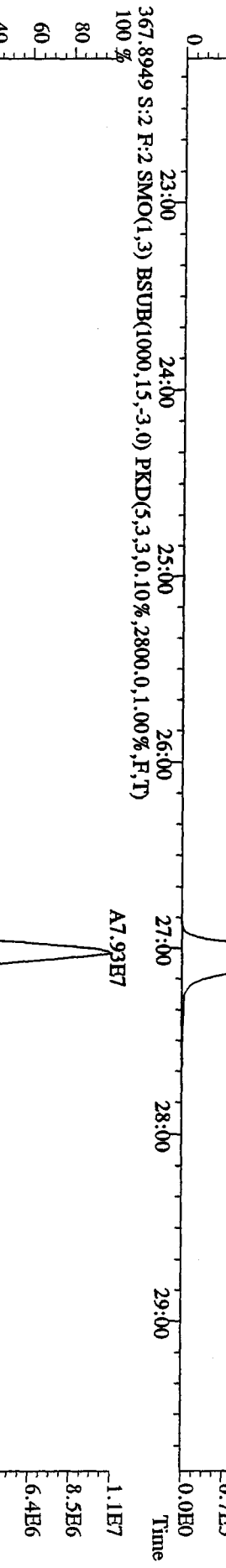
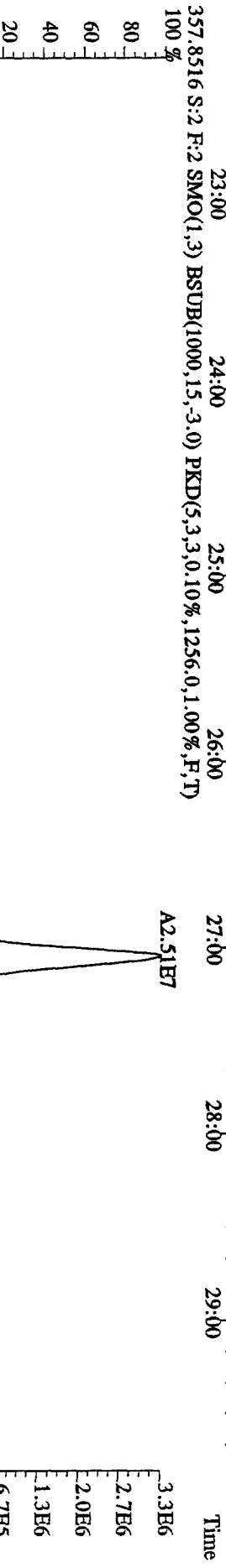
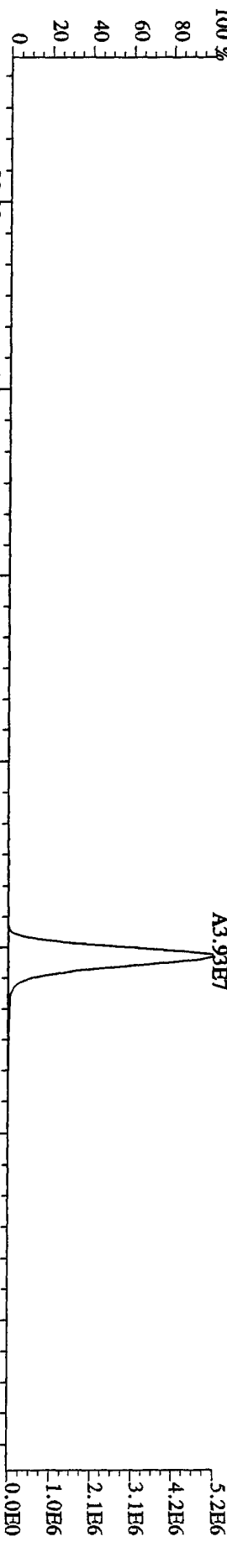
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2368.0,1.00%,F,T)
 100 % A7.46E7



File: 21API08AD5 #1-434 Acq: 21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: ST0421B :CS3 10DXN111 Exp: DIOXINRES8290A
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)

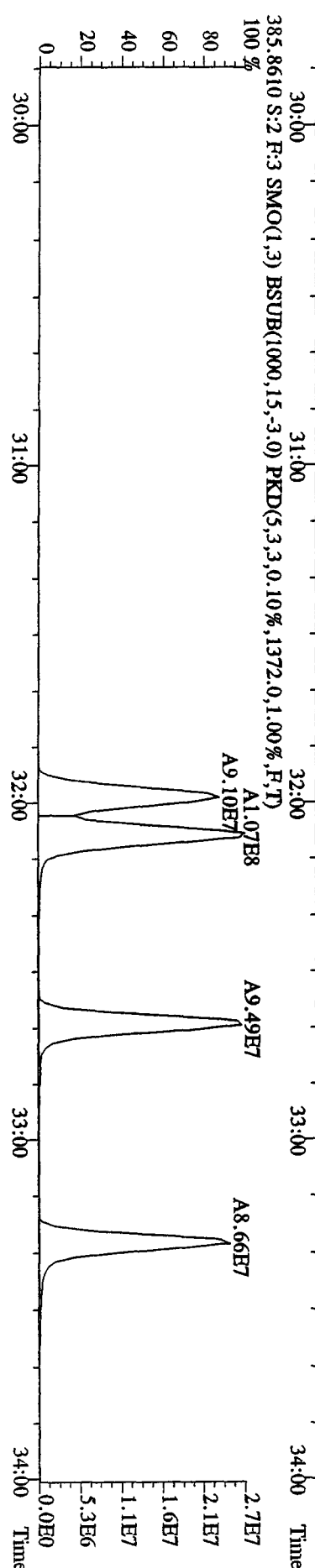
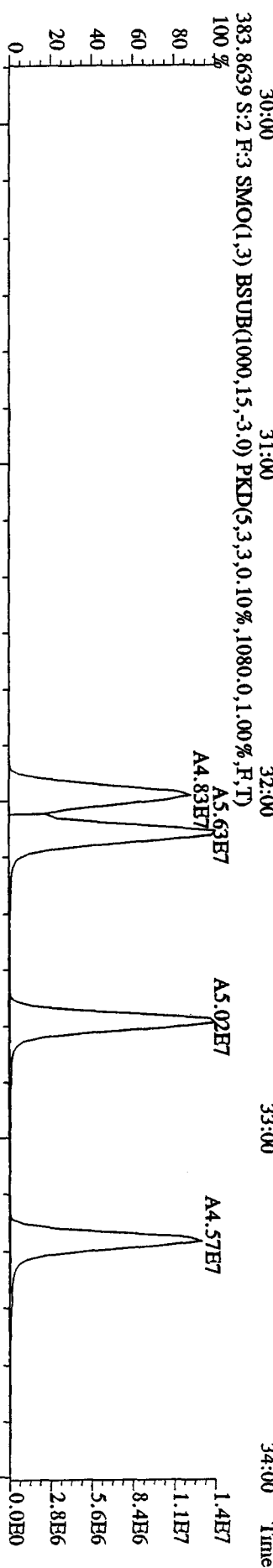
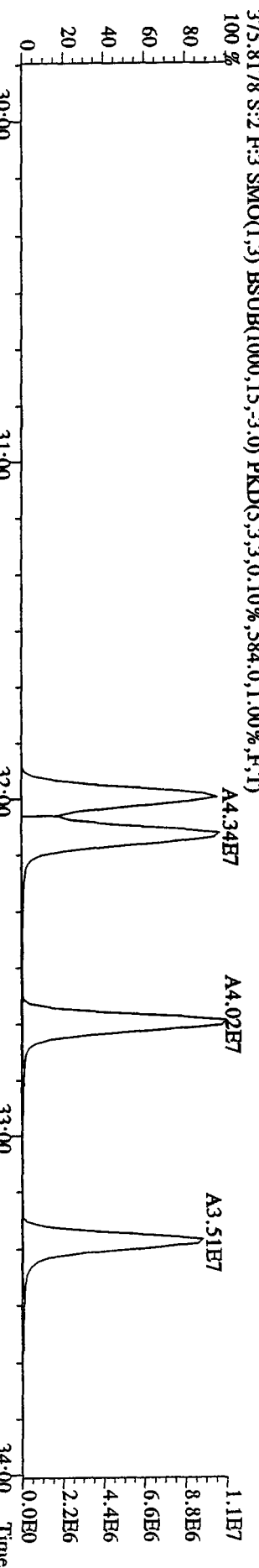
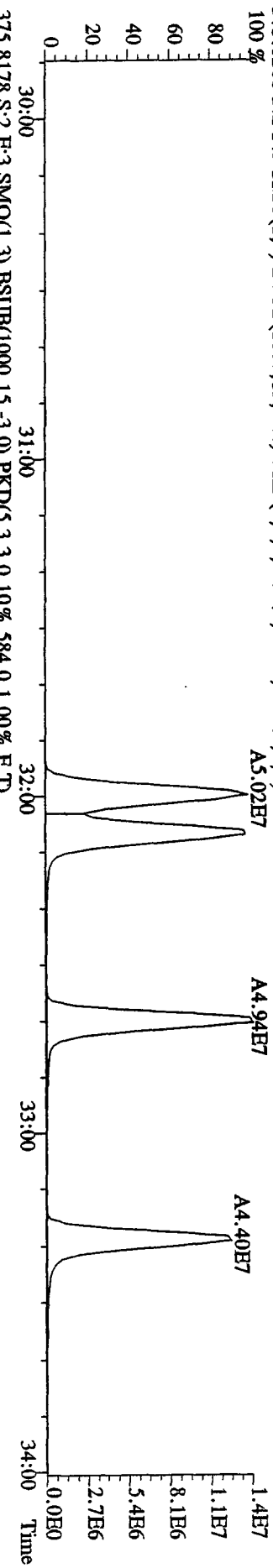


File: 21AP10B4D5 #1-604 Acq: 21-APR-2010 21:50:09 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#2 Text: ST0421B :CS3 10DXN111 Exp: DIOXINRES8290A
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)

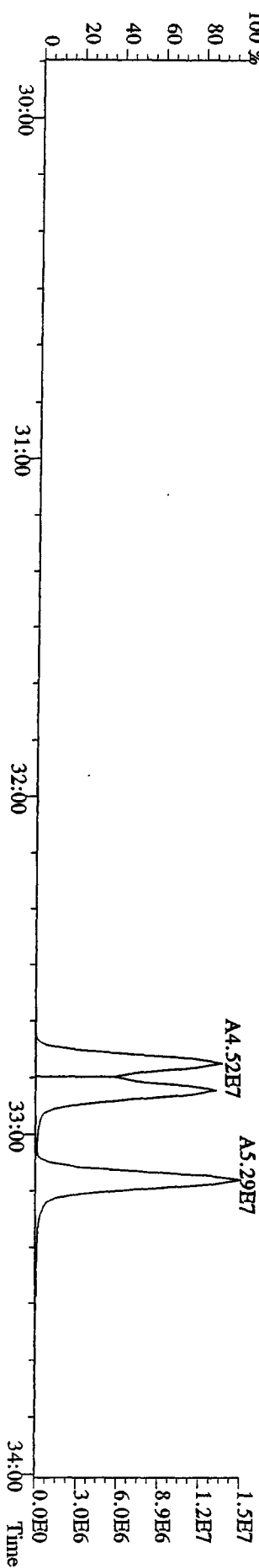
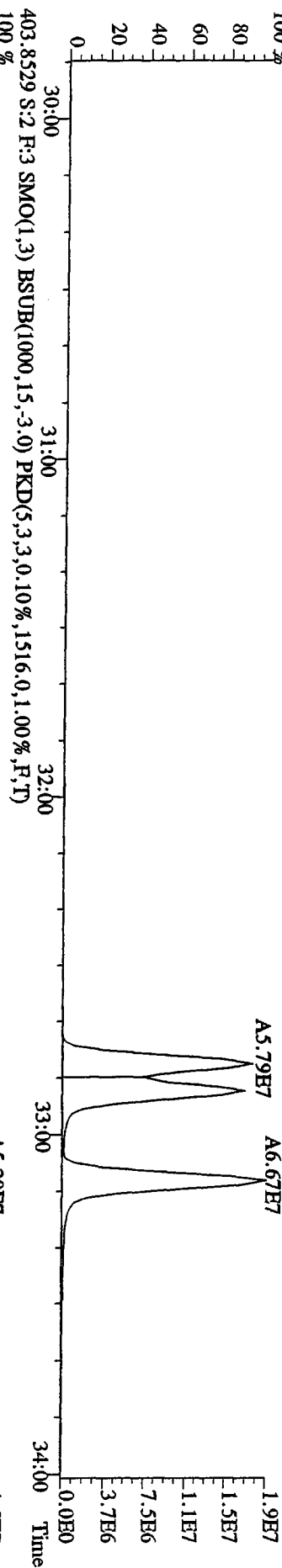
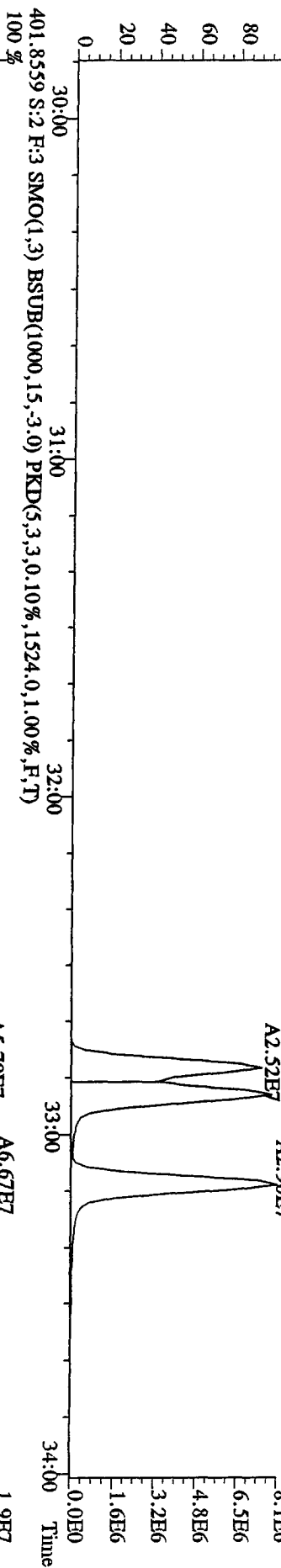
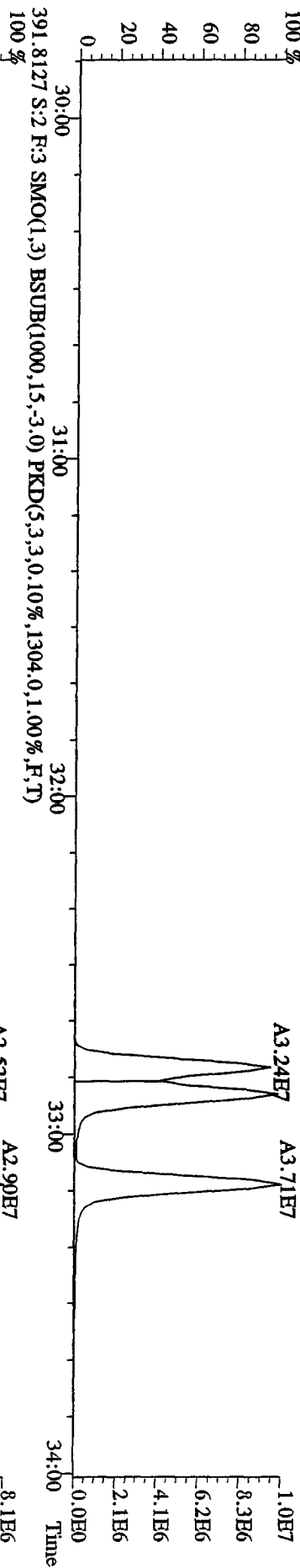


Sample#2 Text:ST0421B :CS3 10DXN111 Exp:DIOXINRES8290A

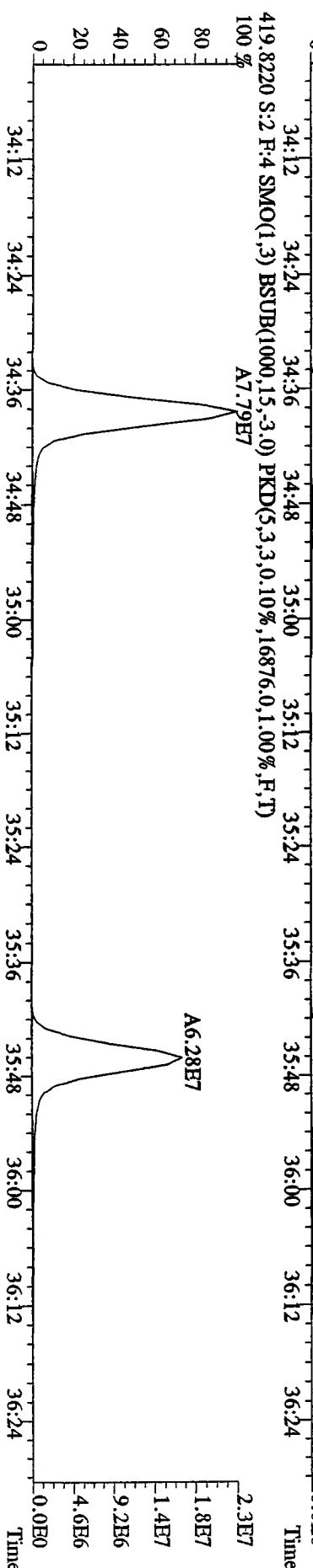
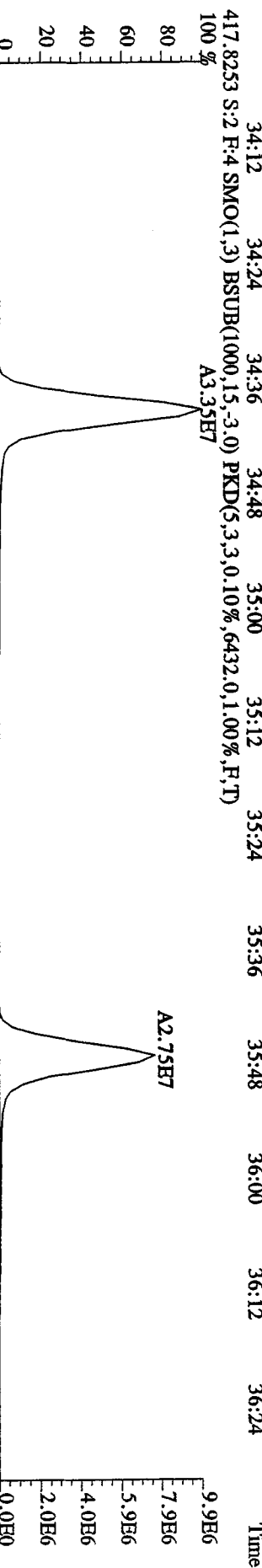
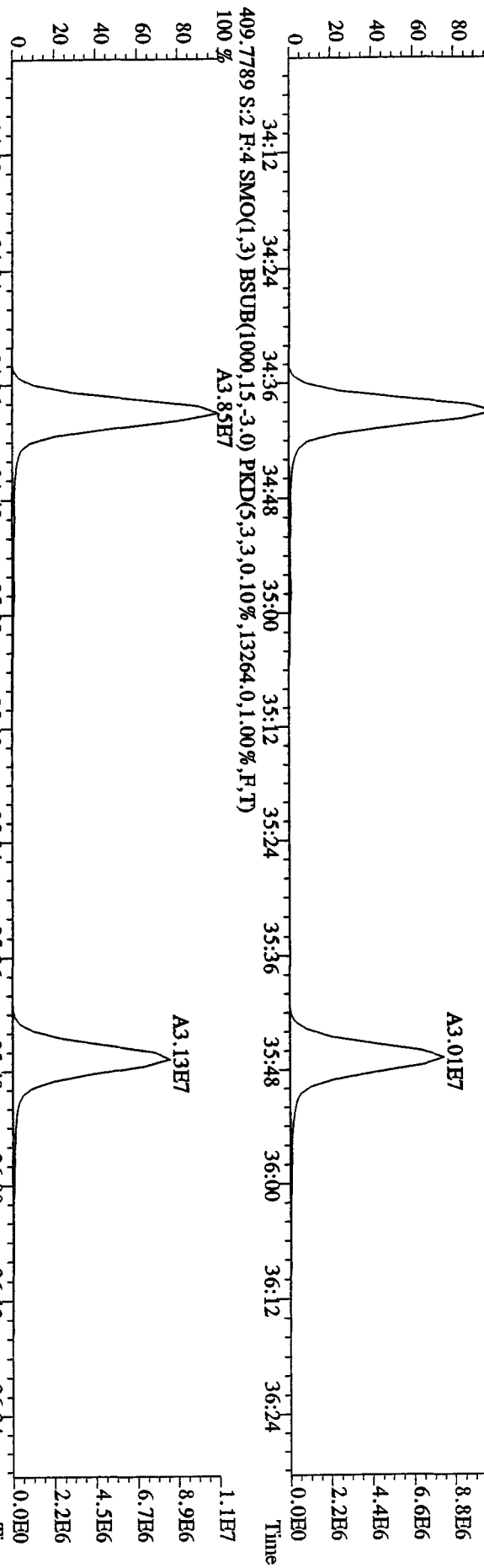
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,820,0,1,00%,F,T)



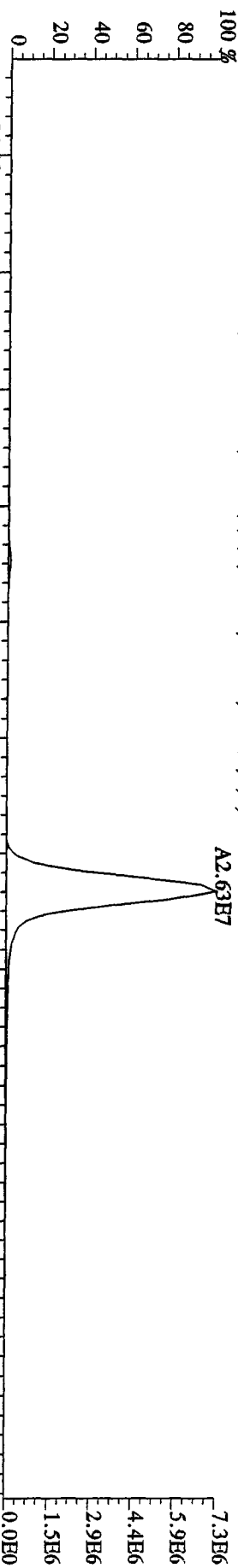
File: 21AP10B4D5 #1-317 Acq: 21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text: ST0421B :CS3 10DXN111 Exp: DIOXINRES8290A
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1224.0,1.00%,F,T)



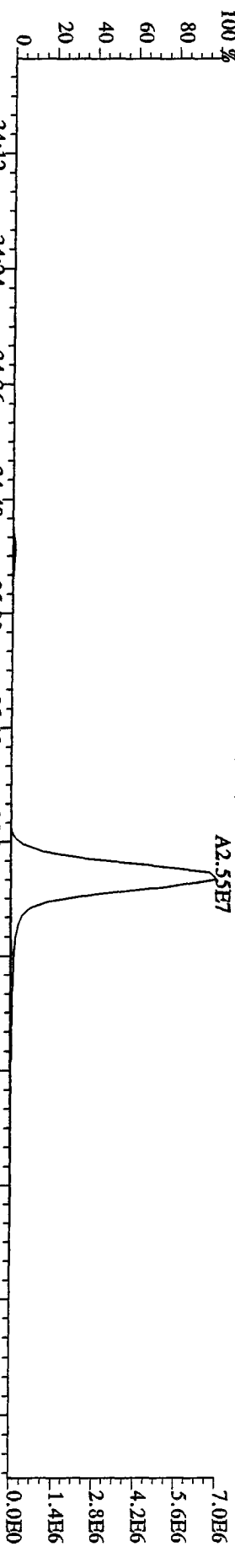
File:21AP10B4D5 #1-198 Acq:21-APR-2010 21:50:09 GC EI + Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0421B :CS3 10DXN111 Exp:DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7352,0,1,00%,F,T)
 100%



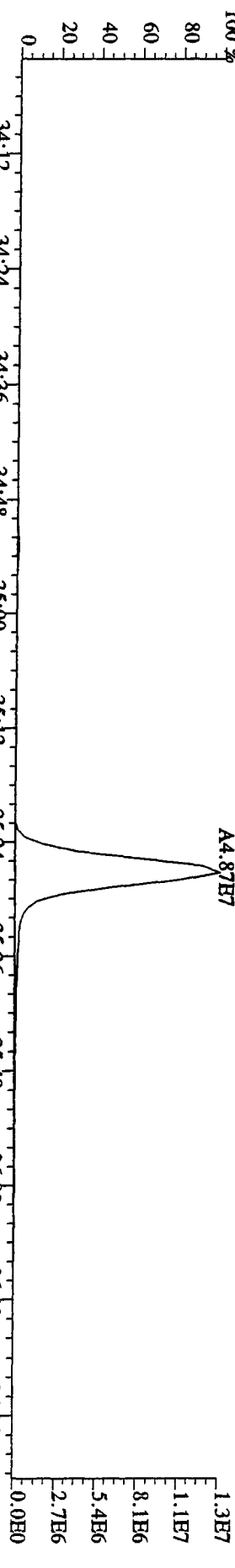
File:21AP10B4D5 #1-198 Acq:21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-UltimaB
Sample#2 Text:ST0421B :CS3 10DXN111 Exp:DIOXINRES8290A
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4604.0,1.00%,F,T)



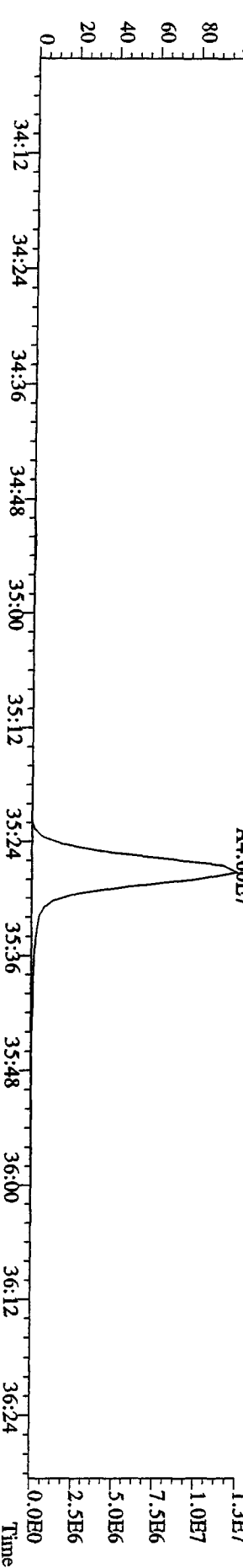
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3804.0,1.00%,F,T)



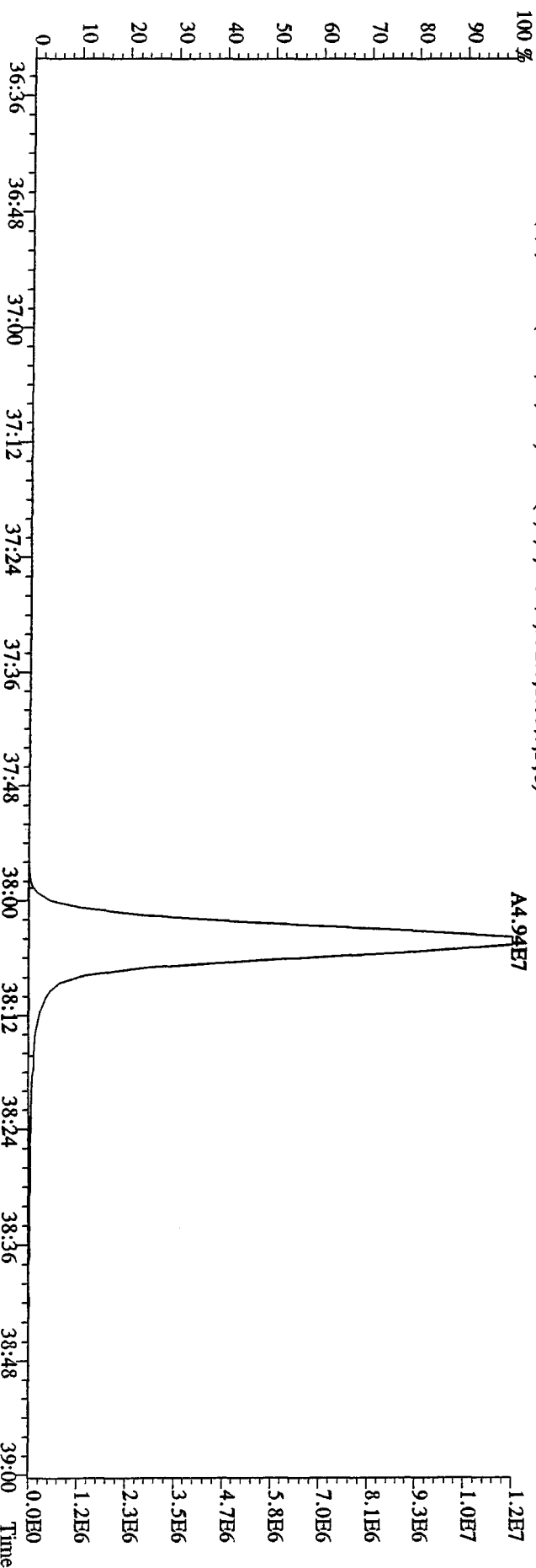
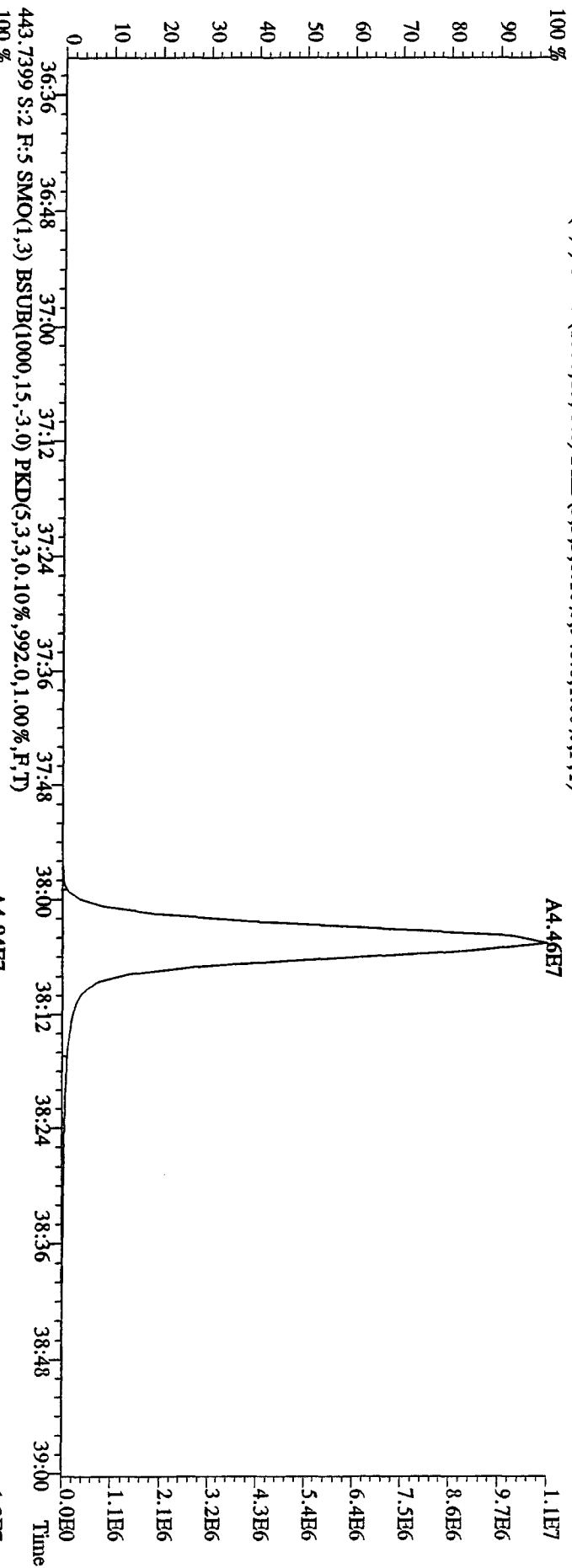
435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8676.0,1.00%,F,T)



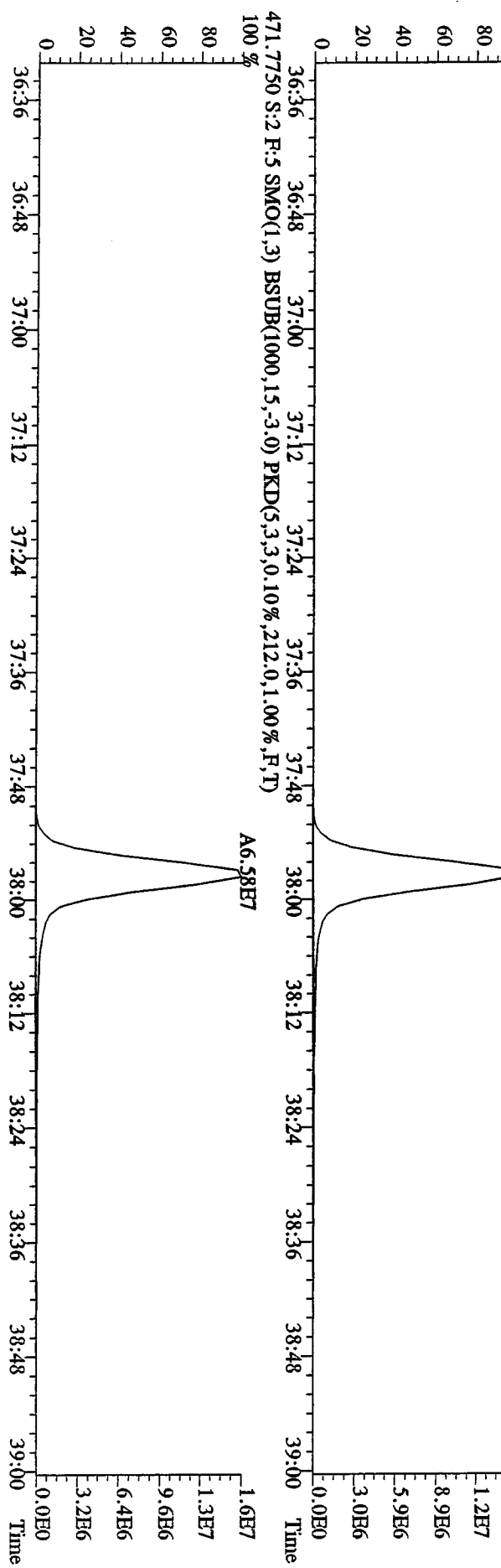
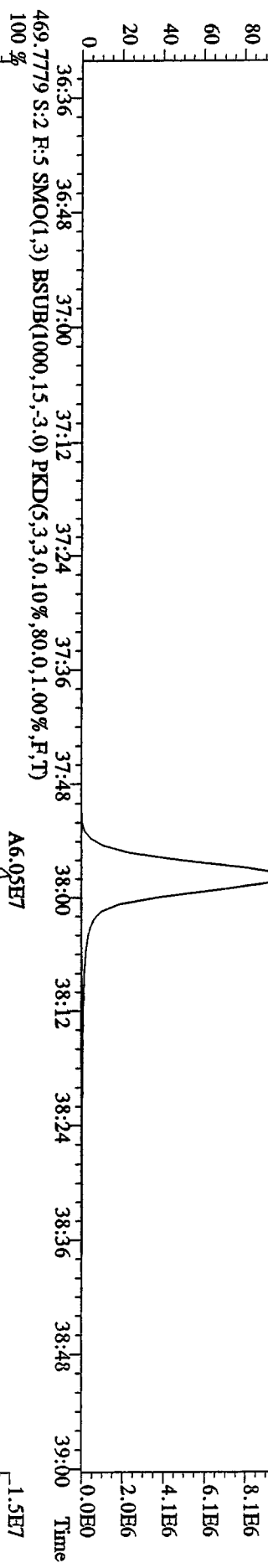
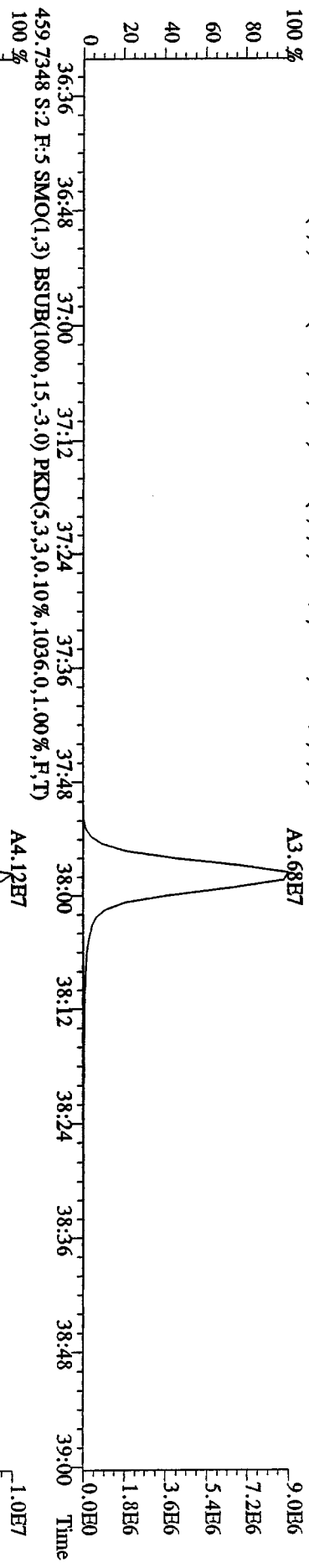
437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084.0,1.00%,F,T)

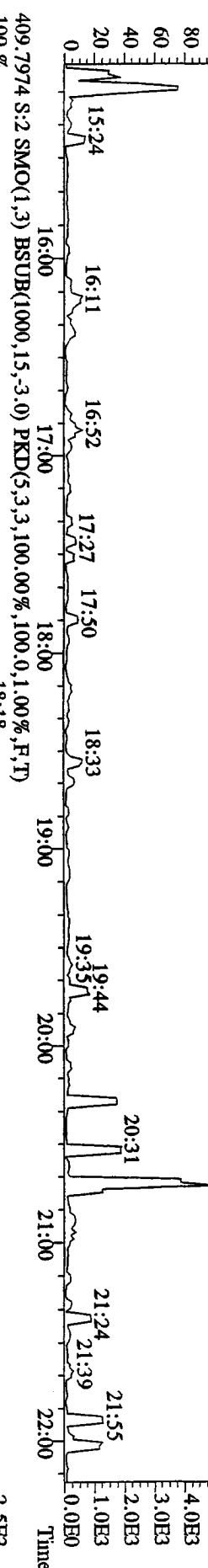
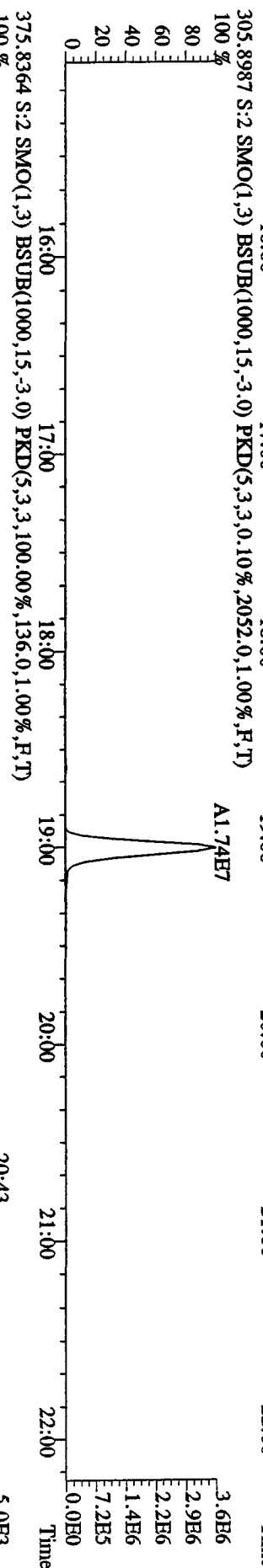
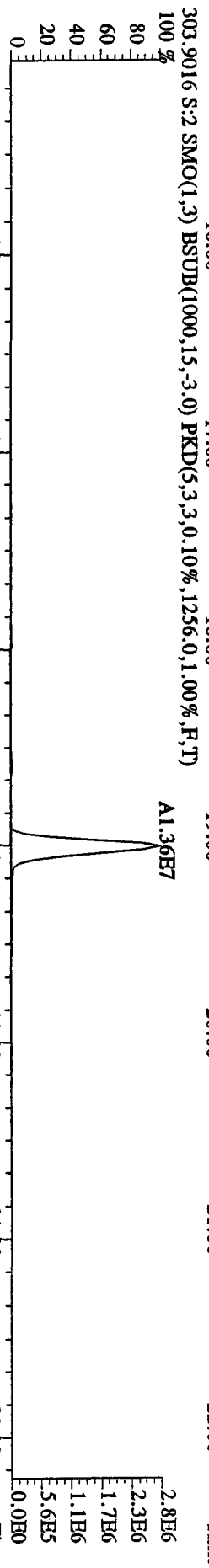
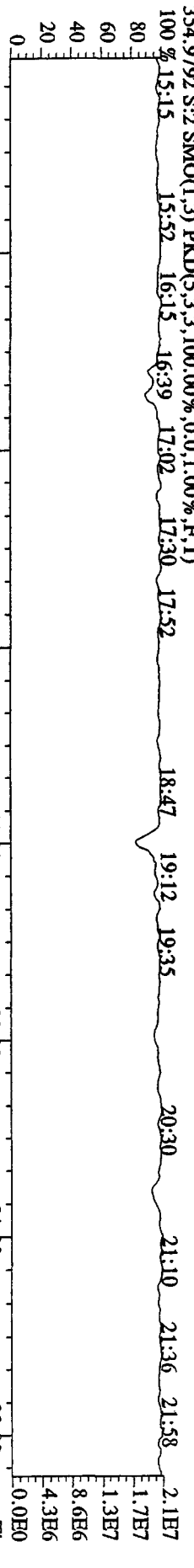


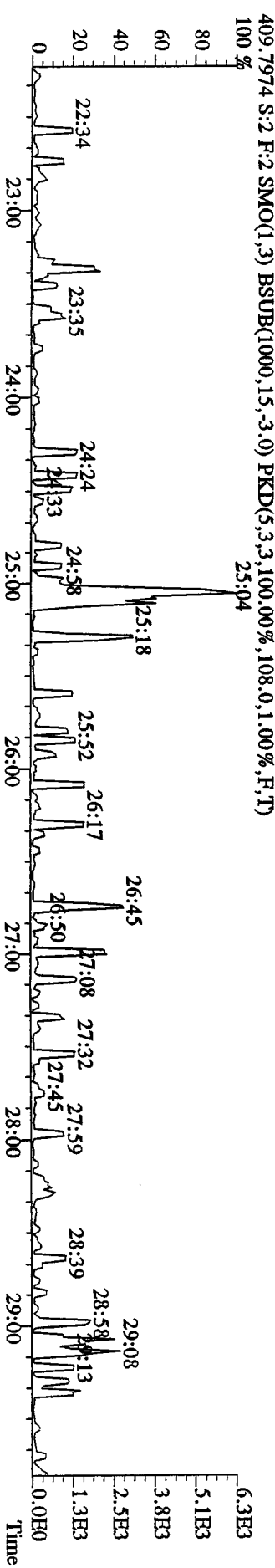
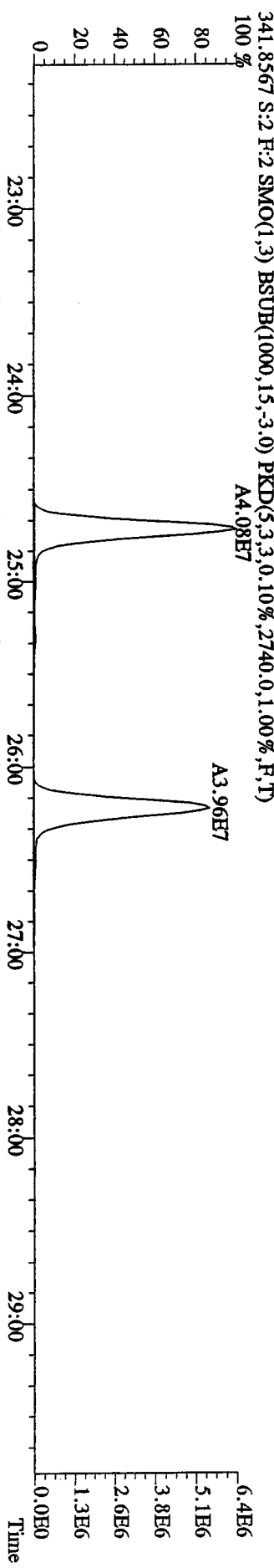
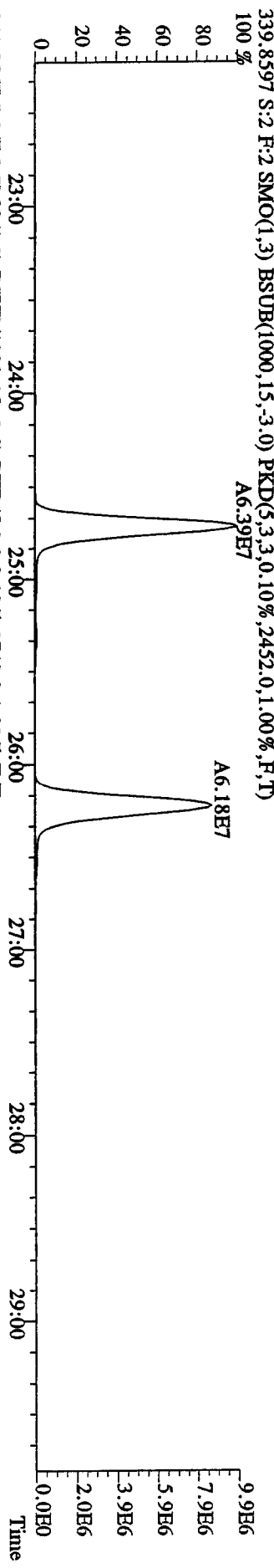
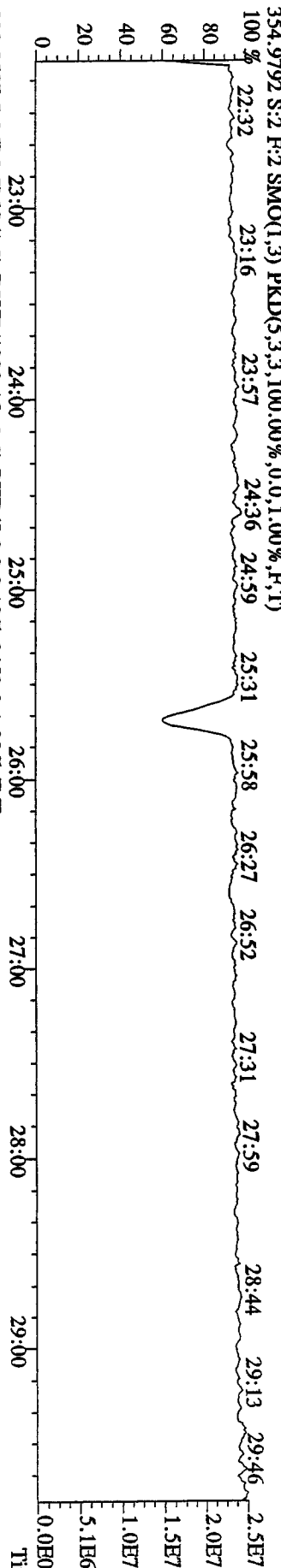
File:21AP10B4D5 #1-190 Acq:21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0421B :CS3 10DXN111 Exp:DIOXINRES8290A
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



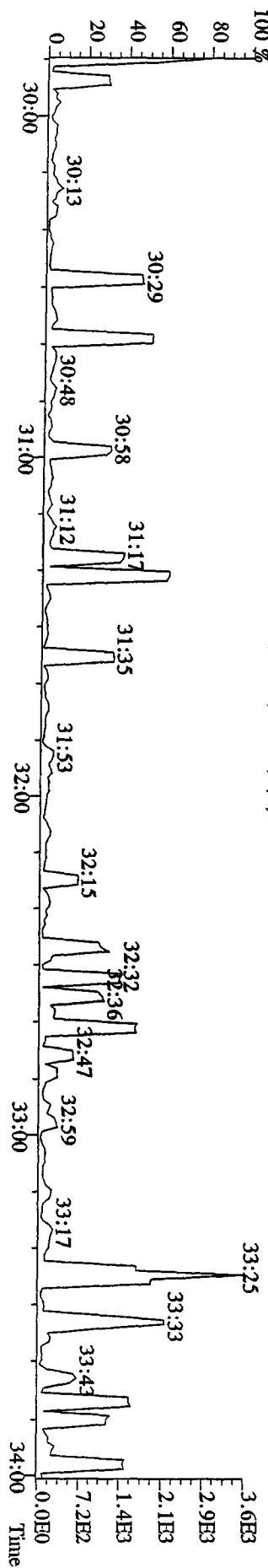
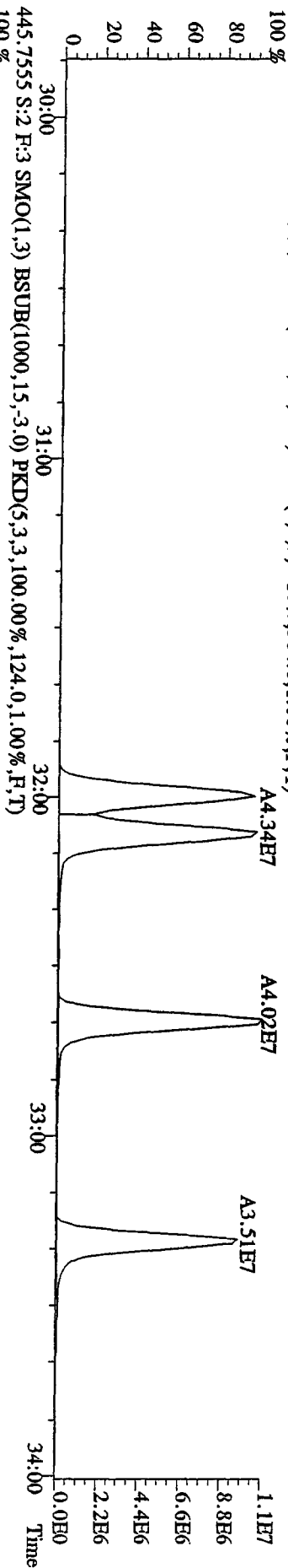
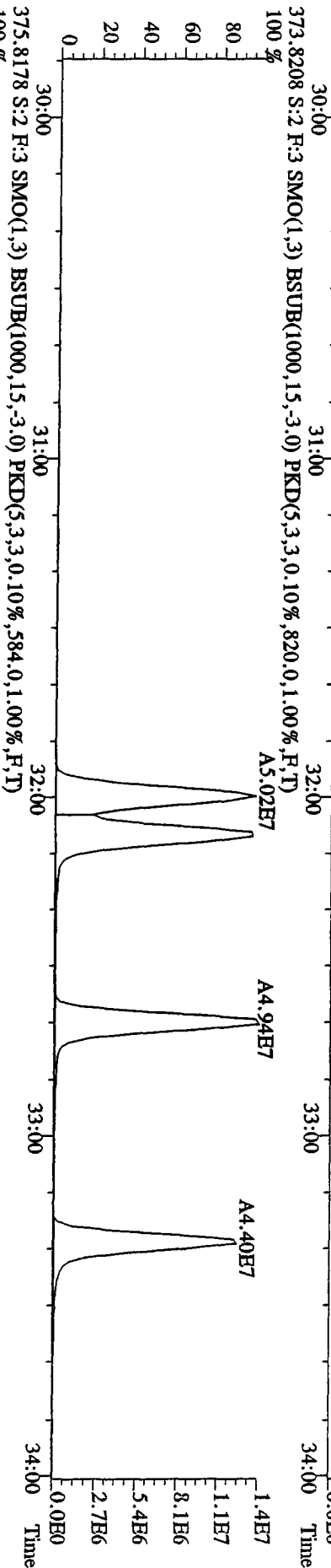
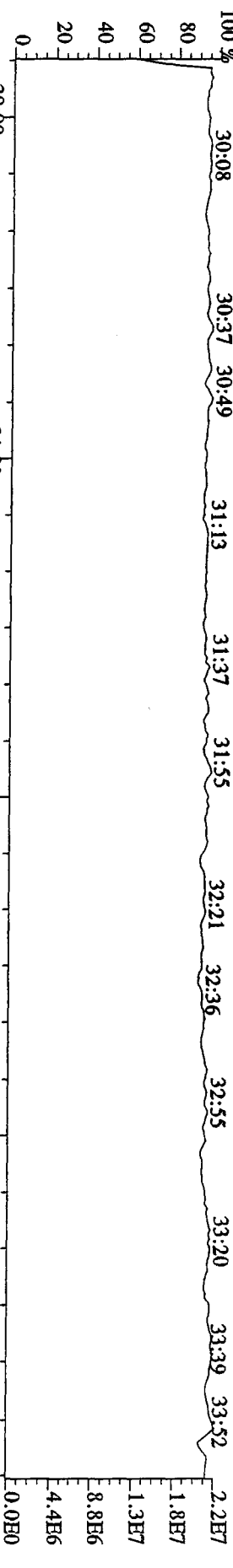
File: 21API0B4D5 #1-190 Acq: 21-APR-2010 21:50:09 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: ST0421B :CS3 10DDXN111 Exp: DIOXINRES8290A
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,568.0,1.00%,F,T)

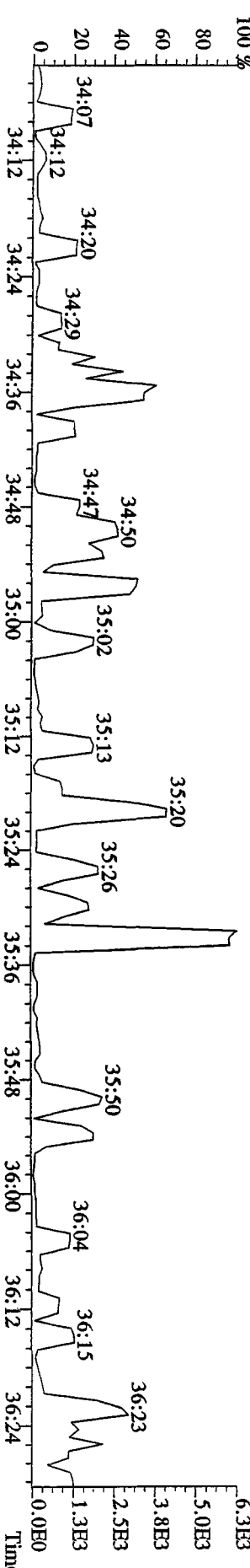
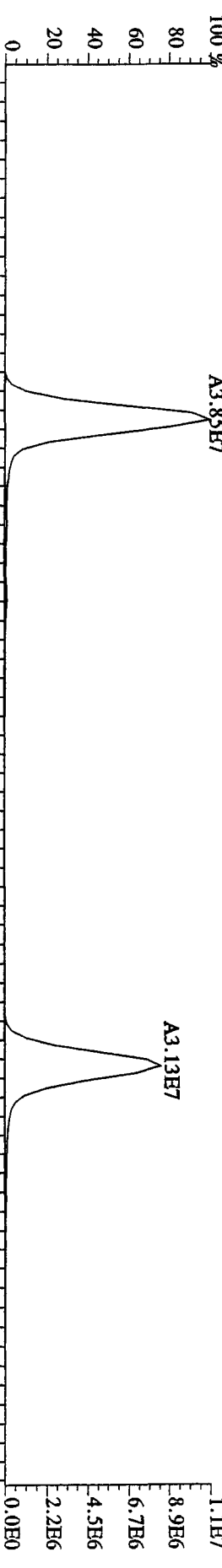
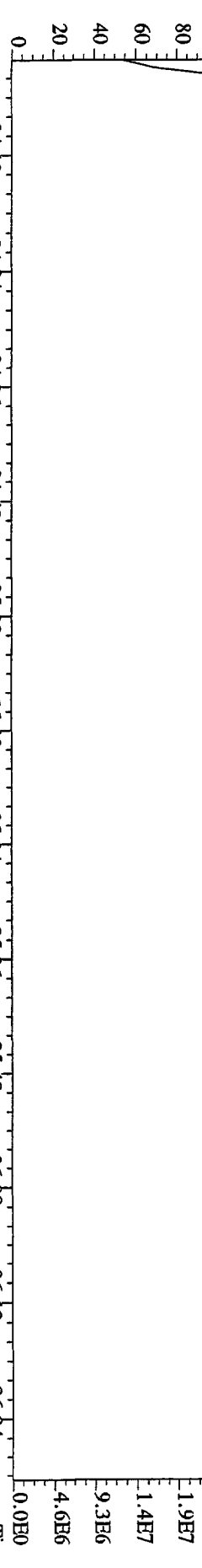


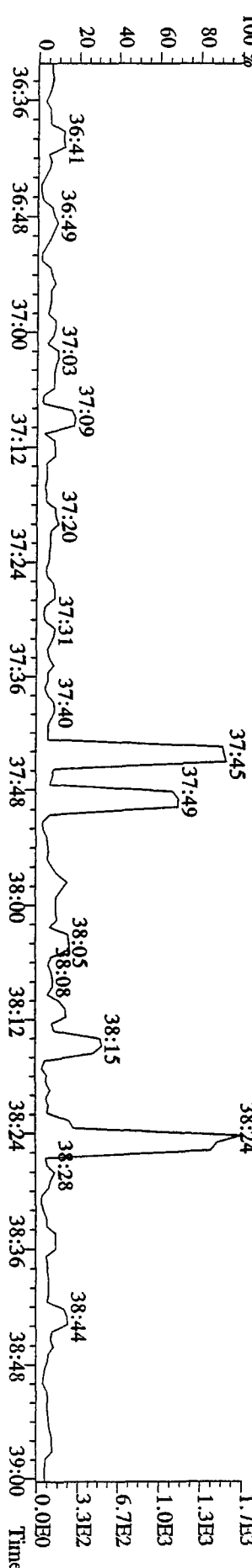
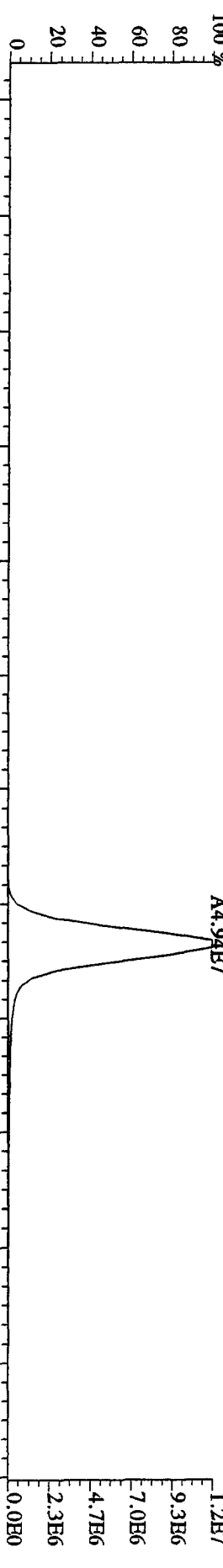
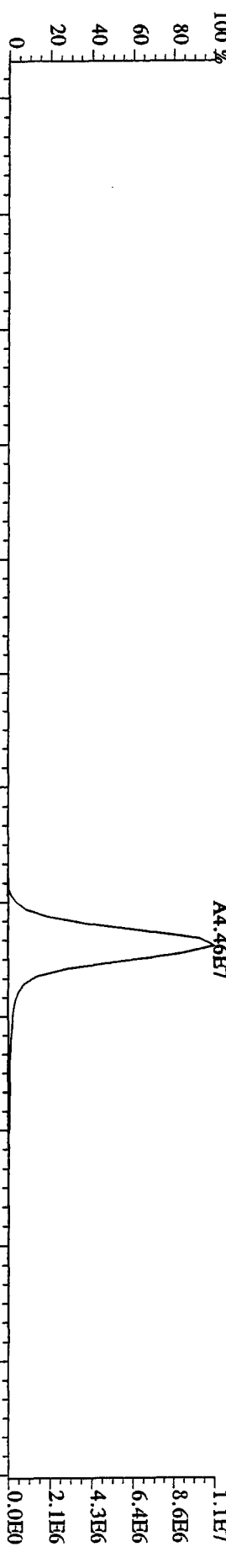
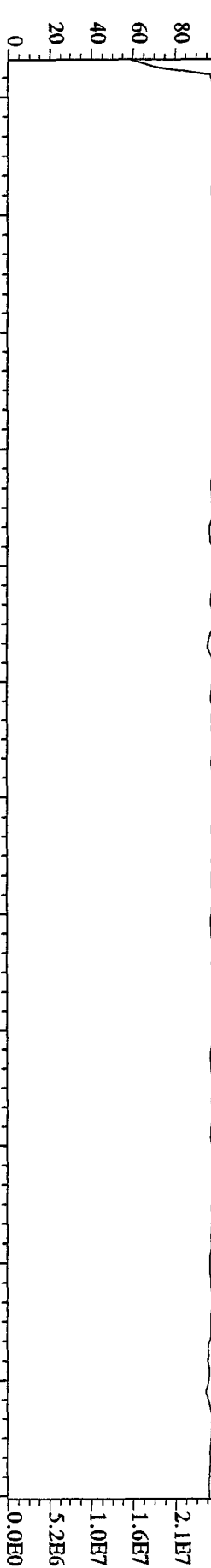




File:21AP10B4D5 #1-317 Acq:21-APR-2010 21:50:09 GC HI + Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0421B :CSS 10DXN111 Exp:DIOXINRES8290A
 430.9728 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,124.0,1.00%,F,T)







Daily Calibration Checklist Dioxin Methods

Method ID 8290

Column ID DB5

STD ID ST0421C, ST0421D

Analyzed by AM, MG

Std. Pkg. By MG

Std. Pkg. Reviewed By M.G.

Associated ICAL 8290A0412104B5

Instrument ID 4B5

STD Solution 10DxN111

Date Analyzed 4/22/10

Date Std. Pkg. Assembled 4/23/10

Date Std. Pkg. Reviewed 4/23/10

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?	✓	✓
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: ST0421C File text: ST0421C :CS3 10DXN111
 Run #21 Filename 21AP10B4D5 S: 19 I: 1
 Acquired: 22-APR-10 10:18:47 Processed: 22-APR-10 15:23:30
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 21AP10B4D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	178149200	0.80 y	19:34	-	100.00	-	n
13C-2,3,7,8-TCDF	285326000	0.79 y	18:59	1.60	100.00	5.3	n
2,3,7,8-TCDF	29314600	0.80 y	19:00	1.03	10.00	8.7	n
Total TCDF	29574718	0.70 y	17:59	1.03	10.00	8.7	n
13C-2,3,7,8-TCDD	179264100	0.81 y	19:46	1.01	100.00	6.0	n
2,3,7,8-TCDD	17328070	0.77 y	19:47	0.97	10.00	-5.3	n
Total TCDD	17328070	0.77 y	19:47	0.97	10.00	-5.3	n
37Cl-2,3,7,8-TCDD	41296000	1.00 y	19:47	2.32	10.00	2.5	n
13C-1,2,3,7,8-PeCDF	182027100	1.58 y	24:41	1.02	100.00	-2.7	n
1,2,3,7,8-PeCDF	94322300	1.56 y	24:42	1.04	50.00	-0.8	n
2,3,4,7,8-PeCDF	91441800	1.57 y	26:13	1.00	50.00	2.3	n
Total F2 PeCDF	187476928	1.56 y	23:08	1.02	100.00	0.7	n
Total F1 PeCDF	41400	0.21 n	15:41	1.02	100.00	0.7	n
13C-1,2,3,7,8-PeCDD	115612900	1.62 y	27:00	0.65	100.00	-3.2	n
1,2,3,7,8-PeCDD	54626900	1.56 y	27:02	0.94	50.00	-3.8	n
Total PeCDD	54626900	1.56 y	27:02	0.94	50.00	-3.8	n
13C-1,2,3,7,8,9-HxCDD	117376500	1.25 y	33:07	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	141712900	0.53 y	31:58	1.21	100.00	17.8	n
1,2,3,4,7,8-HxCDF	86123600	1.26 y	31:59	1.22	50.00	0.2	n
1,2,3,6,7,8-HxCDF	76268900	1.24 y	32:05	1.08	50.00	-19.8	n
2,3,4,6,7,8-HxCDF	72121100	1.25 y	32:39	1.02	50.00	-16.7	n
1,2,3,7,8,9-HxCDF	73193800	1.27 y	33:18	1.03	50.00	-5.4	n
Total HxCDF	307831259	1.03 n	30:52	1.09	200.00	-10.8	n
13C-1,2,3,6,7,8-HxCDD	95130200	1.28 y	32:51	0.81	100.00	0.4	n
1,2,3,4,7,8-HxCDD	49018400	1.27 y	32:47	1.03	50.00	2.4	n
1,2,3,6,7,8-HxCDD	53807200	1.29 y	32:52	1.13	50.00	1.6	n
1,2,3,7,8,9-HxCDD	62043900	1.28 y	33:08	1.30	50.00	7.9	n
Total HxCDD	164869500	1.27 y	32:47	1.16	150.00	4.1	n
13C-1,2,3,4,6,7,8-HpCDF	110739200	0.44 y	34:38	0.94	100.00	9.4	n
1,2,3,4,6,7,8-HpCDF	70685700	0.96 y	34:38	1.28	50.00	-2.5	n
1,2,3,4,7,8,9-HpCDF	60644300	0.96 y	35:46	1.10	50.00	6.8	n
Total HpCDF	131889700	0.96 y	34:38	1.19	100.00	1.6	n
13C-1,2,3,4,6,7,8-HpCDD	106546100	1.06 y	35:27	0.91	100.00	30.1	n
1,2,3,4,6,7,8-HpCDD	55104000	1.03 y	35:27	1.03	50.00	-3.5	n
Total HpCDD	55399557	1.04 y	34:53	1.03	50.00	-3.5	n
13C-OCDD	144865000	0.91 y	37:57	0.62	200.00	16.1	n
OCDF	102891300	0.90 y	38:04	1.42	100.00	-1.7	n
OCDD	84656900	0.89 y	37:58	1.17	100.00	0.2	n

Run text: ST0421D File text: ST0421D :CS3 10DXN111
 Run #37 Filename 21AP10B4D5 S: 37 I: 1
 Acquired: 22-APR-10 23:31:28 Processed: 23-APR-10 08:47:36
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 21AP10B4D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	185485100	0.81 y	19:32	-	100.00	-	n
13C-2,3,7,8-TCDF	287493000	0.79 y	18:58	1.55	100.00	1.9	n
2,3,7,8-TCDF	29139400	0.79 y	18:59	1.01	10.00	7.2	n
Total TCDF	29461807	0.77 y	17:57	1.01	10.00	7.2	n
13C-2,3,7,8-TCDD	182467300	0.80 y	19:45	0.98	100.00	3.6	n
2,3,7,8-TCDD	17318290	0.75 y	19:46	0.95	10.00	-7.0	n
Total TCDD	17331220	0.35 n	18:29	0.95	10.00	-7.0	n
37C1-2,3,7,8-TCDD	42647200	1.00 y	19:46	2.30	10.00	1.7	n
13C-1,2,3,7,8-PeCDF	203218000	1.57 y	24:40	1.10	100.00	4.3	n
1,2,3,7,8-PeCDF	103439200	1.56 y	24:41	1.02	50.00	-2.6	n
2,3,4,7,8-PeCDF	101755900	1.59 y	26:11	1.00	50.00	2.0	n
Total F2 PeCDF	206603051	1.63 y	23:08	1.01	100.00	-0.4	n
Total F1 PeCDF	9998	0.16 n	16:43	1.01	100.00	-0.4	n
13C-1,2,3,7,8-PeCDD	139937200	1.60 y	27:00	0.75	100.00	12.5	n
1,2,3,7,8-PeCDD	66038700	1.58 y	27:01	0.94	50.00	-3.9	n
Total PeCDD	66038700	1.58 y	27:01	0.94	50.00	-3.9	n
13C-1,2,3,7,8,9-HxCDD	152482300	1.25 y	33:07	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	153932600	0.52 y	31:58	1.01	100.00	-1.5	n
1,2,3,4,7,8-HxCDF	95998500	1.26 y	31:58	1.25	50.00	2.9	n
1,2,3,6,7,8-HxCDF	100783800	1.27 y	32:06	1.31	50.00	-2.5	n
2,3,4,6,7,8-HxCDF	95986700	1.24 y	32:39	1.25	50.00	2.0	n
1,2,3,7,8,9-HxCDF	88039600	1.29 y	33:18	1.14	50.00	4.7	n
Total HxCDF	380976530	1.16 y	30:51	1.24	200.00	1.6	n
13C-1,2,3,6,7,8-HxCDD	122708300	1.28 y	32:52	0.80	100.00	-0.3	n
1,2,3,4,7,8-HxCDD	68622100	1.28 y	32:48	1.12	50.00	11.1	y
1,2,3,6,7,8-HxCDD	69620100	1.31 y	32:52	1.13	50.00	1.9	y
1,2,3,7,8,9-HxCDD	78653700	1.29 y	33:08	1.28	50.00	6.0	n
Total HxCDD	216895900	1.28 y	32:48	1.18	150.00	6.2	y
13C-1,2,3,4,6,7,8-HpCDF	134044900	0.43 y	34:38	0.88	100.00	1.9	n
1,2,3,4,6,7,8-HpCDF	85053600	0.94 y	34:38	1.27	50.00	-3.1	n
1,2,3,4,7,8,9-HpCDF	70243500	0.94 y	35:46	1.05	50.00	2.2	n
Total HpCDF	155297100	0.94 y	34:38	1.16	100.00	-0.8	n
13C-1,2,3,4,6,7,8-HpCDD	118039200	1.06 y	35:26	0.77	100.00	11.0	n
1,2,3,4,6,7,8-HpCDD	61644600	1.04 y	35:27	1.04	50.00	-2.6	n
Total HpCDD	61951234	1.06 y	34:53	1.04	50.00	-2.6	n
13C-OCDD	176372800	0.89 y	37:56	0.58	200.00	8.8	n
OCDF	123785200	0.90 y	38:03	1.40	100.00	-2.9	n
OCDD	102332200	0.90 y	37:57	1.16	100.00	-0.5	n

Run text: ST0421D File text: ST0421D :CS3 10DXN111
 Run #37 Filename 21AP10B4D5 S: 37 I: 1
 Acquired: 22-APR-10 23:31:28 Processed: 23-APR-10 08:47:36
 Run: 21AP10B4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 21AP10B4D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	185485100	0.81 y	19:32	-	100.00	-	n
13C-2,3,7,8-TCDF	287493000	0.79 y	18:58	1.55	100.00	1.9	n
2,3,7,8-TCDF	29139400	0.79 y	18:59	1.01	10.00	7.2	n
Total TCDF	29461807	0.77 y	17:57	1.01	10.00	7.2	n
13C-2,3,7,8-TCDD	182467300	0.80 y	19:45	0.98	100.00	3.6	n
2,3,7,8-TCDD	17318290	0.75 y	19:46	0.95	10.00	-7.0	n
Total TCDD	17331220	0.35 n	18:29	0.95	10.00	-7.0	n
37Cl-2,3,7,8-TCDD	42647200	1.00 y	19:46	2.30	10.00	1.7	n
13C-1,2,3,7,8-PeCDF	203218000	1.57 y	24:40	1.10	100.00	4.3	n
1,2,3,7,8-PeCDF	103439200	1.56 y	24:41	1.02	50.00	-2.6	n
2,3,4,7,8-PeCDF	101755900	1.59 y	26:11	1.00	50.00	2.0	n
Total F2 PeCDF	206603051	1.63 y	23:08	1.01	100.00	-0.4	n
Total F1 PeCDF	9998	0.16 n	16:43	1.01	100.00	-0.4	n
13C-1,2,3,7,8-PeCDD	139937200	1.60 y	27:00	0.75	100.00	12.5	n
1,2,3,7,8-PeCDD	66038700	1.58 y	27:01	0.94	50.00	-3.9	n
Total PeCDD	66038700	1.58 y	27:01	0.94	50.00	-3.9	n
13C-1,2,3,7,8,9-HxCDD	152482300	1.25 y	33:07	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	153932600	0.52 y	31:58	1.01	100.00	-1.5	n
1,2,3,4,7,8-HxCDF	95998500	1.26 y	31:58	1.25	50.00	2.9	n
1,2,3,6,7,8-HxCDF	100783800	1.27 y	32:06	1.31	50.00	-2.5	n
2,3,4,6,7,8-HxCDF	95986700	1.24 y	32:39	1.25	50.00	2.0	n
1,2,3,7,8,9-HxCDF	88039600	1.29 y	33:18	1.14	50.00	4.7	n
Total HxCDF	380976530	1.16 y	30:51	1.24	200.00	1.6	n
13C-1,2,3,6,7,8-HxCDD	122708300	1.28 y	32:52	0.80	100.00	-0.3	n
1,2,3,4,7,8-HxCDD	60556384	1.43 n	32:48	0.99	50.00	-2.0	n
1,2,3,6,7,8-HxCDD	72686300	1.19 y	32:52	1.18	50.00	6.4	n
1,2,3,7,8,9-HxCDD	78653600	1.29 y	33:08	1.28	50.00	6.0	n
Total HxCDD	211896284	1.43 n	32:48	1.15	150.00	3.7	n
13C-1,2,3,4,6,7,8-HpCDF	134044900	0.43 y	34:38	0.88	100.00	1.9	n
1,2,3,4,6,7,8-HpCDF	85053600	0.94 y	34:38	1.27	50.00	-3.1	n
1,2,3,4,7,8,9-HpCDF	70243500	0.94 y	35:46	1.05	50.00	2.2	n
Total HpCDF	155297100	0.94 y	34:38	1.16	100.00	-0.8	n
13C-1,2,3,4,6,7,8-HpCDD	118039200	1.06 y	35:26	0.77	100.00	11.0	n
1,2,3,4,6,7,8-HpCDD	61644600	1.04 y	35:27	1.04	50.00	-2.6	n
Total HpCDD	61951234	1.06 y	34:53	1.04	50.00	-2.6	n
13C-OCDD	176372800	0.89 y	37:56	0.58	200.00	8.8	n
OCDF	123785200	0.90 y	38:03	1.40	100.00	-2.9	n
OCDD	102332200	0.90 y	37:57	1.16	100.00	-0.5	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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21AP10B4D5	2	ST0421B	CS3 10DXN111				1.00000	
21AP10B4D5	3	CP0421A	DB-5 CPSM 3732-05				1.00000	
21AP10B4D5	4	SB0421A	Solvent Blank C-14				1.00000	
21AP10B4D5	5	LX3LQ-1-AA	G0D160000-253B	20	8290/WATER	72	1.00000	L
21AP10B4D5	6	LX3LQ-1-AC	G0D160000-253C	20	8290/WATER		1.00000	L
21AP10B4D5	7	LX2RV-1-AC	G0D150603-15	20	8290/WATER		1.02880	L
21AP10B4D5	8	LX2RW-1-AC	G0D150603-16	20	8290/WATER		1.01190	L
21AP10B4D5	9	LX2RX-1-AC	G0D150603-17	20	8290/WATER		0.96070	L
21AP10B4D5	10	LX2RG-1-AD	G0D150603-10	20	8290/SOLID		10.15000	g
21AP10B4D5	11	LX2RH-1-AD	G0D150603-11	20	8290/SOLID		10.02000	g
21AP10B4D5	12	LX2RQ-1-AD	G0D150603-12	20	8290/SOLID		10.48000	g
21AP10B4D5	13	LX2RR-1-AD	G0D150603-13	20	8290/SOLID		10.65000	g
21AP10B4D5	14	LX2RT-1-AD	G0D150603-14	20	8290/SOLID		10.01000	g
21AP10B4D5	15	LX45M-1-AD	G0D160601-1	20	8290/SOLID		10.16000	g
21AP10B4D5	16	LX45Q-1-AD	G0D160601-2	20	8290/SOLID		10.01000	g
21AP10B4D5	17	LX45R-1-AD	G0D160601-3	20	8290/SOLID		10.18000	g
21AP10B4D5	18	SB0421B	Solvent Blank C-14				1.00000	
21AP10B4D5	19	ST0421C	CS3 10DXN111				1.00000	
21AP10B4D5	20	CP0421B	DB-5 CPSM 3732-05				1.00000	
21AP10B4D5	21	SB0421C	Solvent Blank C-14				1.00000	
21AP10B4D5	22	LX48J-1-AA	G0D160000-365B	20	8290/SOLID	72	10.00000	g
21AP10B4D5	23	LX48J-1-AC	G0D160000-365C	20	8290/SOLID		10.00000	g
21AP10B4D5	24	LX3LL-1-AA	G0D160000-252B	10	8290/WATER	73	1.00000	L
21AP10B4D5	25	LX3LL-1-AC	G0D160000-252C	10	8290/WATER		1.00000	L
21AP10B4D5	26	LX3LL-1-AD	G0D160000-252L	10	8290/WATER		1.00000	L
21AP10B4D5	27	LX0W0-1-AA	G0D140559-1	10	8290/WATER		1.05900	L
21AP10B4D5	28	LX0W1-1-AA	G0D140559-2	10	8290/WATER		1.05850	L
21AP10B4D5	29	LX3LQ-1-AC	G0D150000-215C	20	8290/WATER	72	1.00000	L
21AP10B4D5	30	LX3LQ-1-AA	G0D150000-215B	20	8290/WATER		1.00000	L
21AP10B4D5	31	LXVM2-1-AA	G0D120488-1	20	8290/WATER		1.00640	L
21AP10B4D5	32	LXM7T-1-AED	G0D080425-22D	20	8290/SOLID	74	10.38000	g
21AP10B4D5	33	LXM73-1-AD	G0D080425-28	20	8290/SOLID		10.25000	g
21AP10B4D5	34	LXM8R-1-AD	G0D080425-35	20	8290/SOLID		10.17000	g
21AP10B4D5	35	LX1XL-1-AC	G0D080425-47	20	8290/SOLID		10.14000	g
21AP10B4D5	36	SB0421D	Solvent Blank C-14				1.00000	
21AP10B4D5	37	ST0421D	CS3 10DXN111				1.00000	
21AP10B4D5	38	CP0421C	DB-5 CPSM 3732-05				1.00000	
21AP10B4D5	39	SB0421E	Solvent Blank C-14				1.00000	
21AP10B4D5	40	LX1X4-1-AC	G0D080425-48	20	8290/SOLID	74	10.34000	g
21AP10B4D5	41	LX0W3-1-AC	G0D140560-1	20	8290/SOLID		10.06000	g
21AP10B4D5	42	LX0W3-1-AD	G0D140560-1S	20	8290/SOLID		10.33000	g
21AP10B4D5	43	LX0W3-1-AE	G0D140560-1D	20	8290/SOLID		10.00000	g
21AP10B4D5	44	LX0W4-1-AC	G0D140560-2	20	8290/SOLID		10.31000	g
21AP10B4D5	45	LX7DK-1-AC	G0D190000-426C	20	8290/WATER	74	1.00000	L
21AP10B4D5	46	LX7DK-1-AA	G0D190000-426B	20	8290/WATER		1.00000	L
21AP10B4D5	47	LX452-1-AC	G0D160601-9	20	8290/WATER		0.97360	L
21AP10B4D5	48	LX453-1-AC	G0D160601-10	20	8290/WATER		0.97120	L
21AP10B4D5	49	SB0421F	Solvent Blank C-14				1.00000	
21AP10B4D5	50	ST0421E	CS3 10DXN111 BAD INJ				1.00000	
21AP10B4D5	51	ST0421F	CS3 10DXN111				1.00000	
21AP10B4D5	52						1.00000	
21AP10B4D5	53						1.00000	

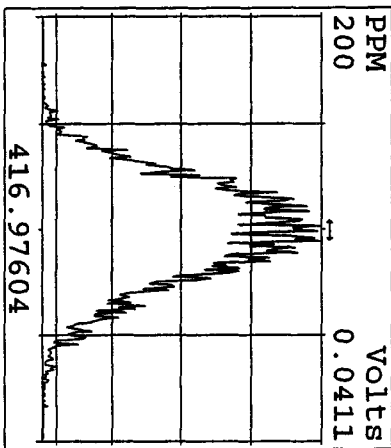
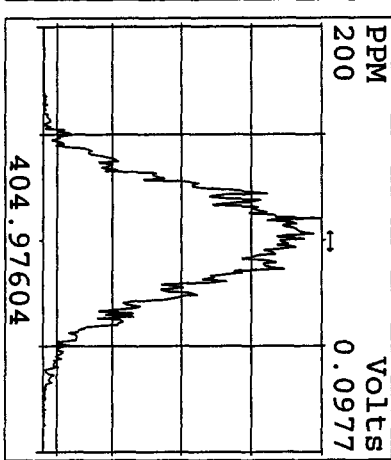
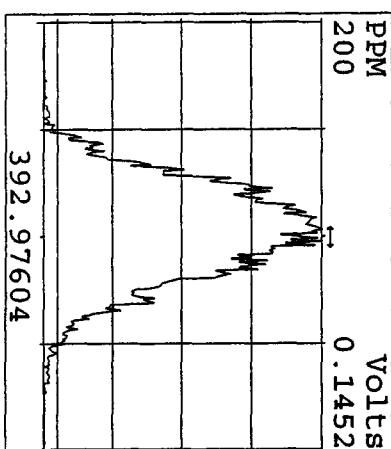
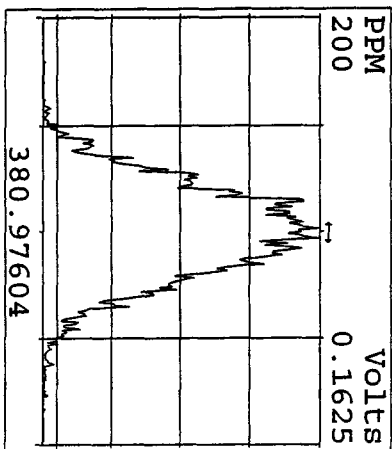
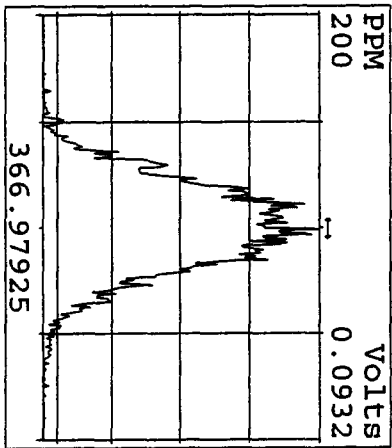
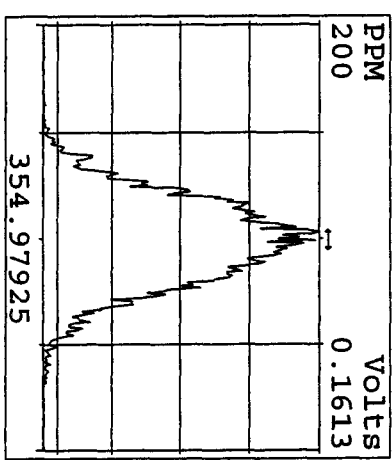
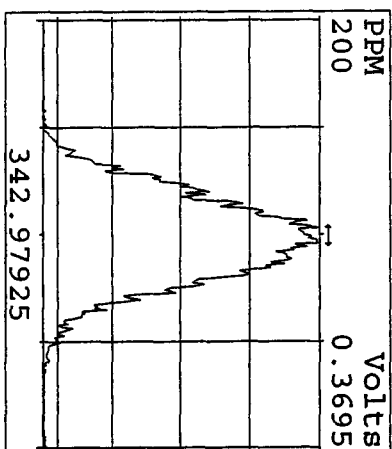
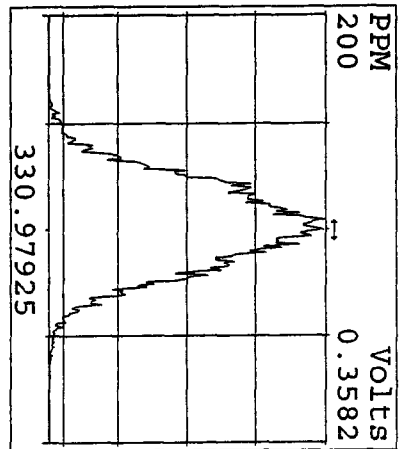
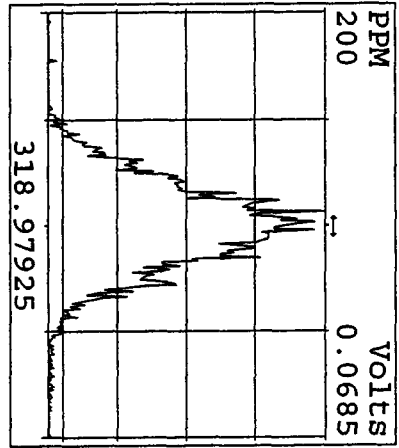
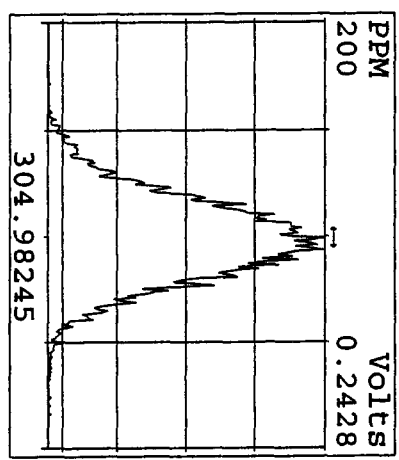
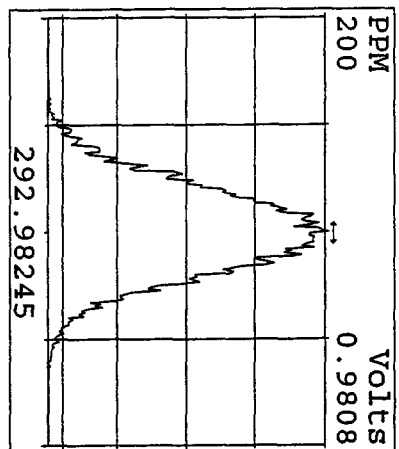
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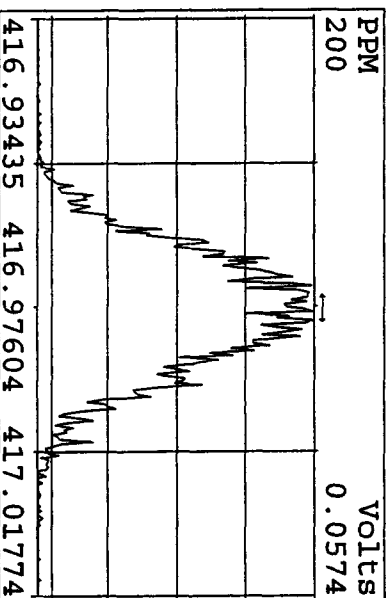
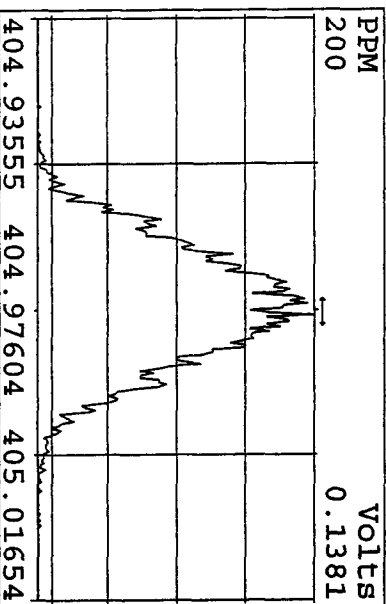
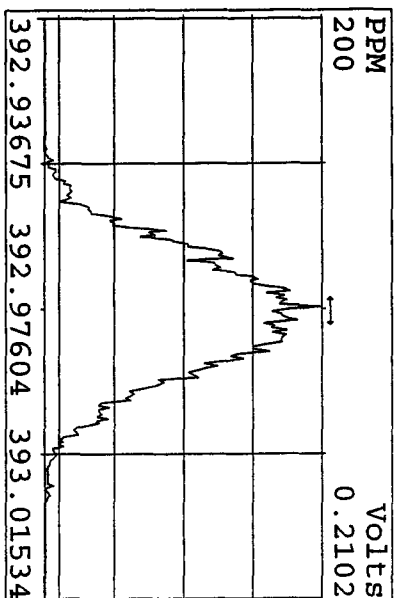
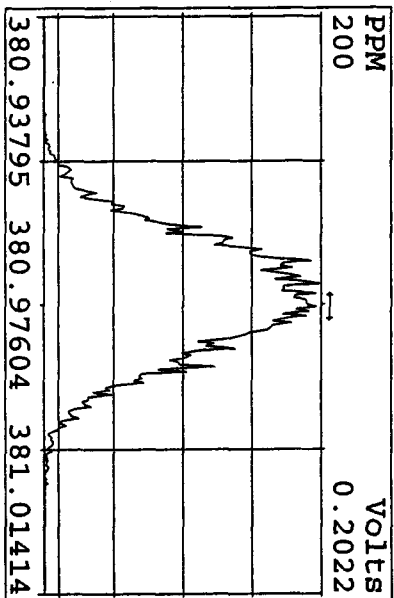
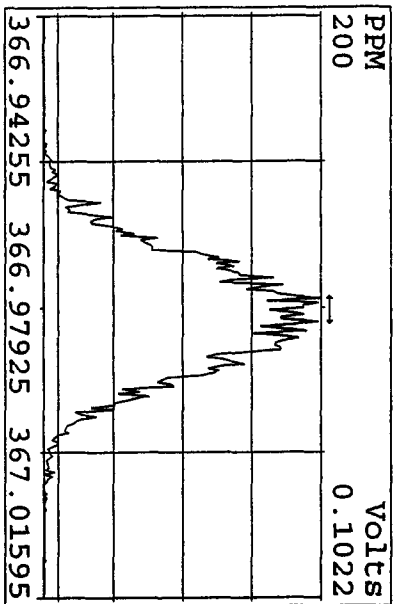
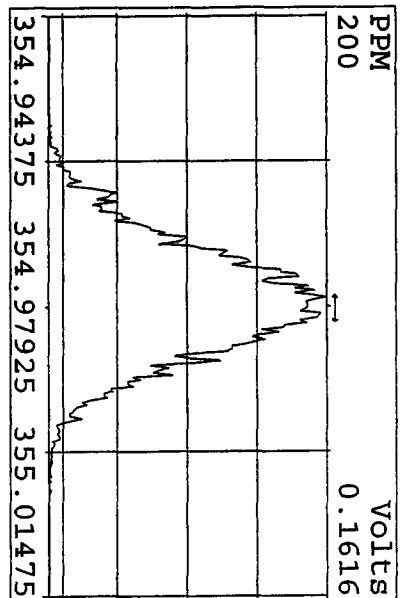
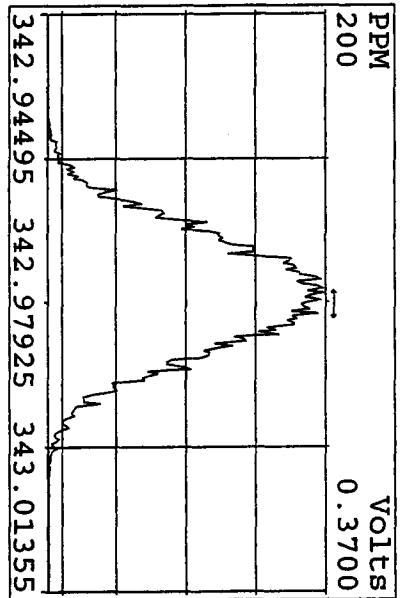
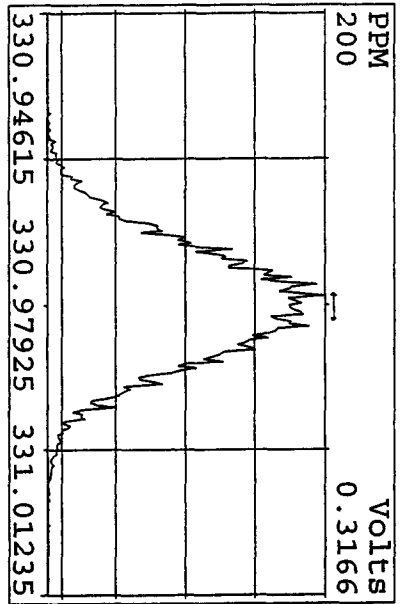
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4/21/10
mg*

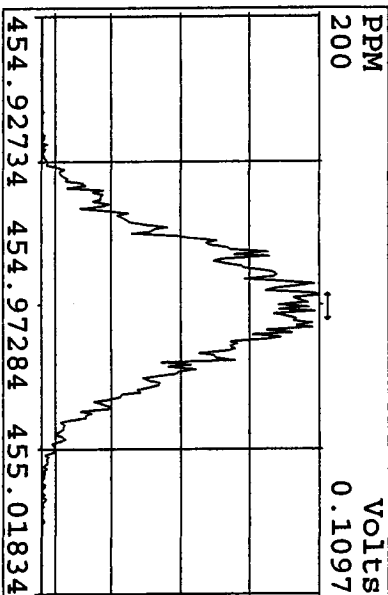
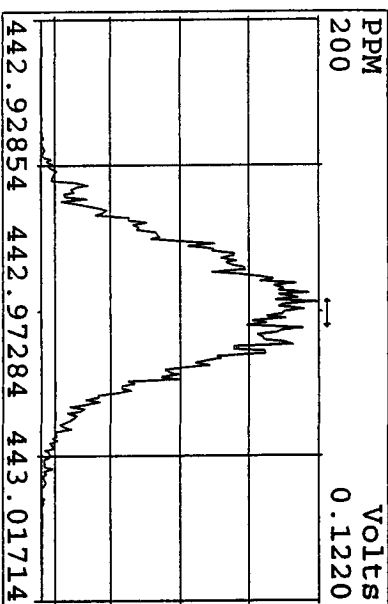
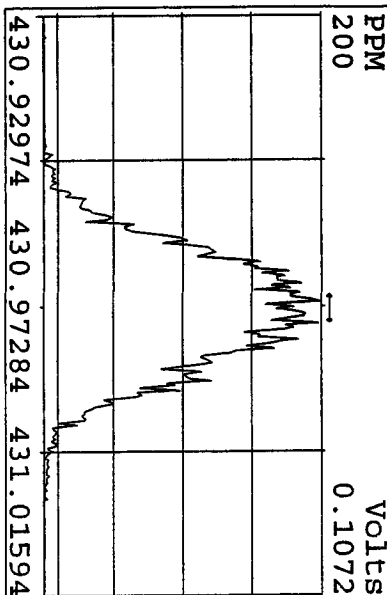
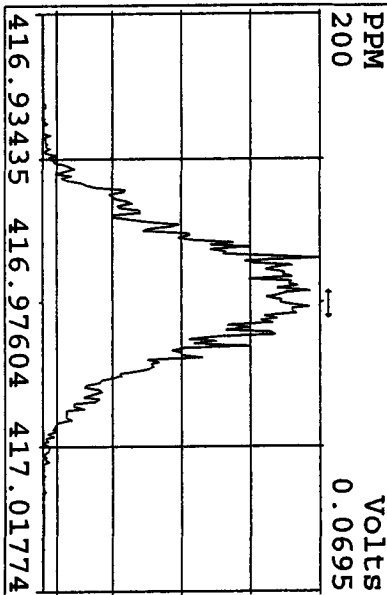
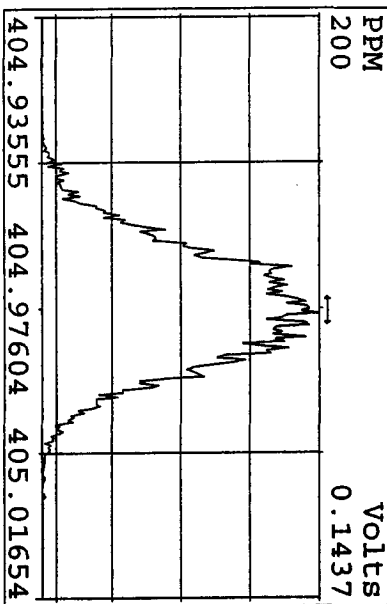
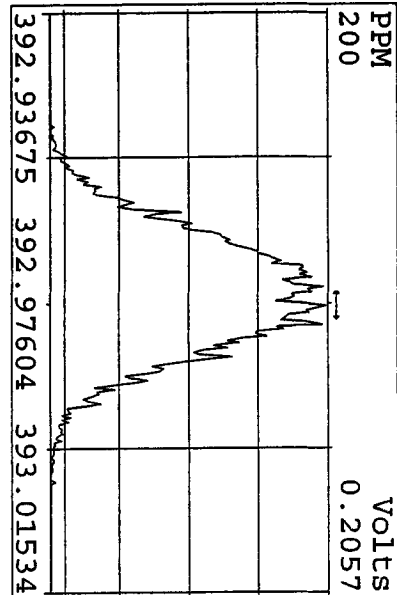
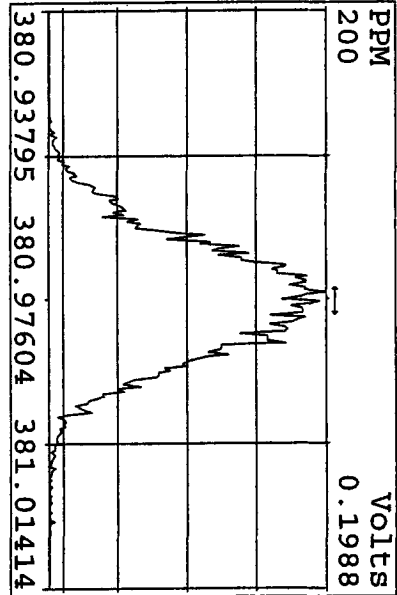
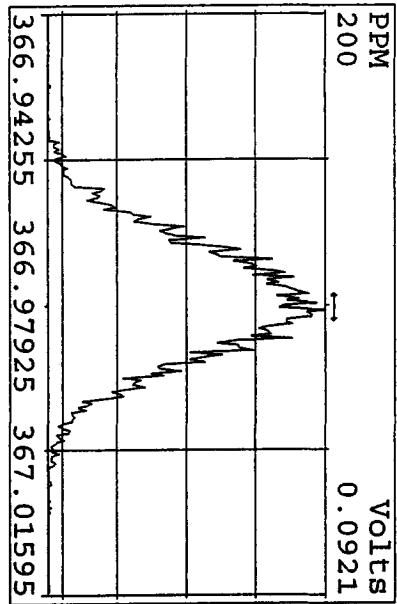
Peak Locate Examination: 21-APR-2010:20:53 File: 21AP10B4D5
 Experiment: DIOXINRES8290A Function: 1 Reference: PFK



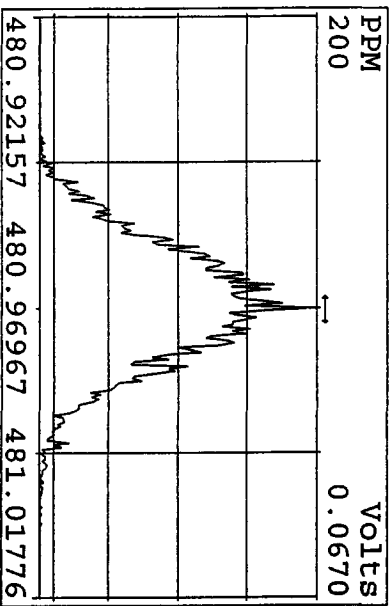
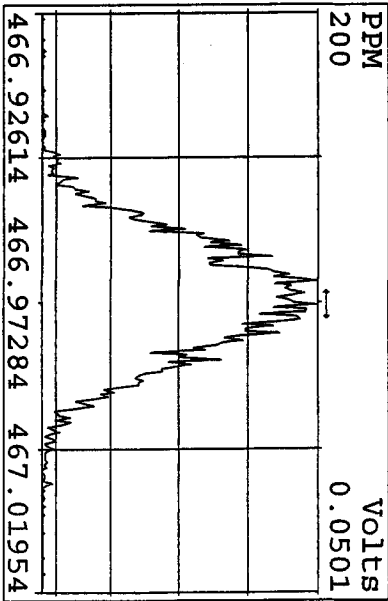
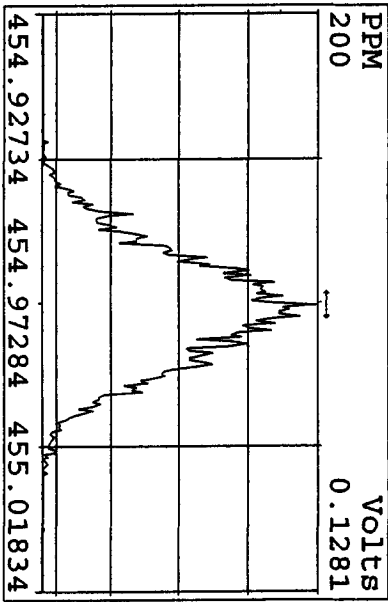
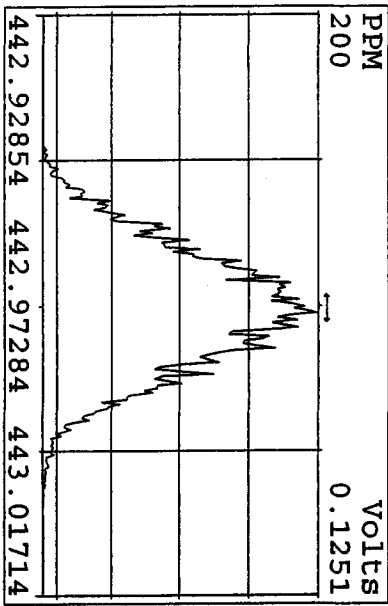
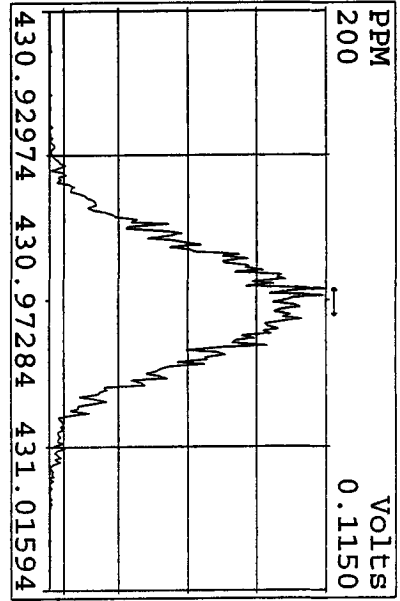
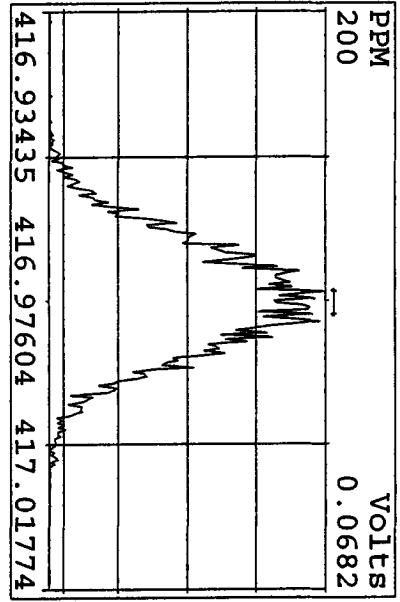
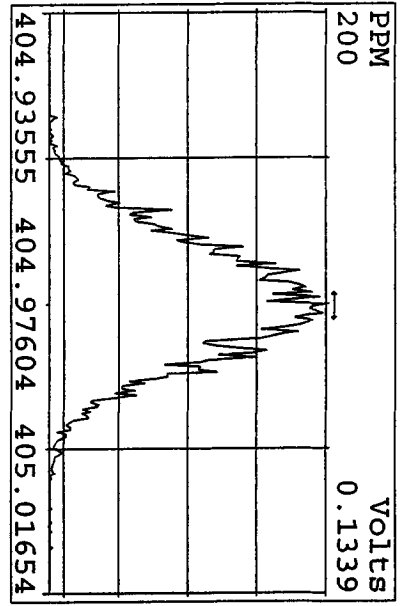
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 Experiment: DIOXINRES8290A Function: 2 Reference: PRK



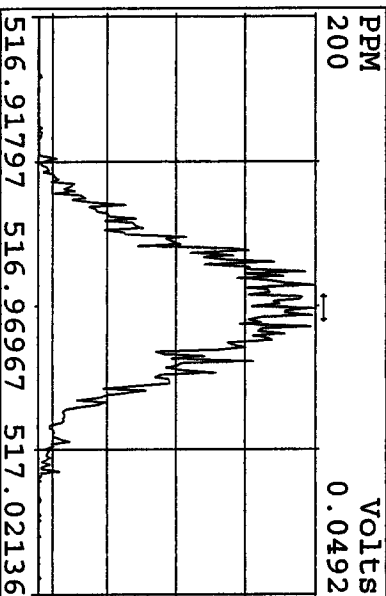
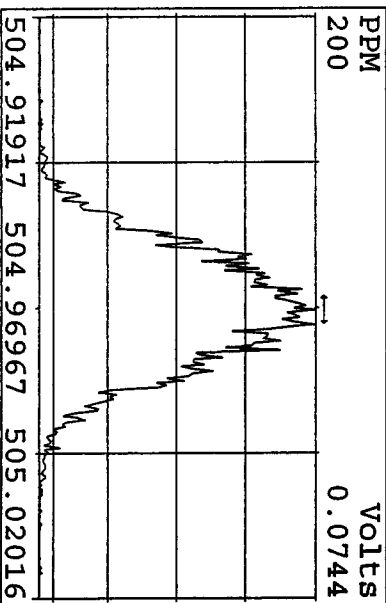
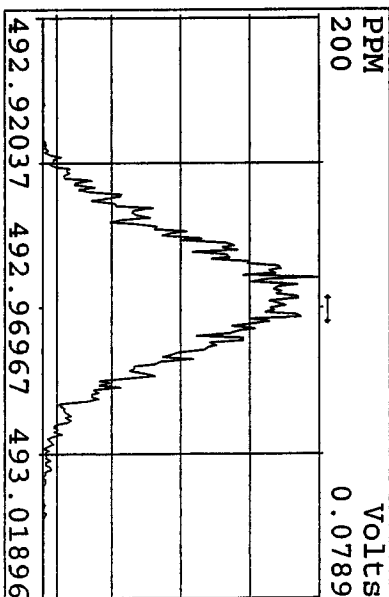
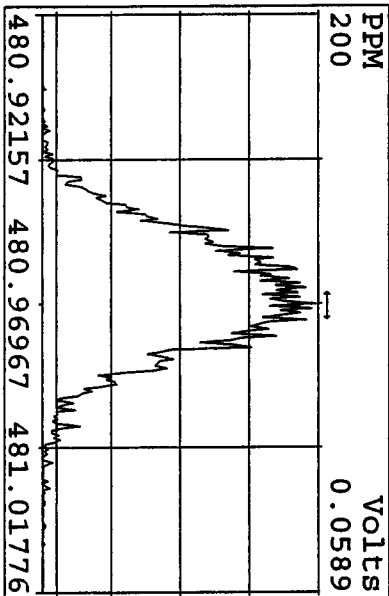
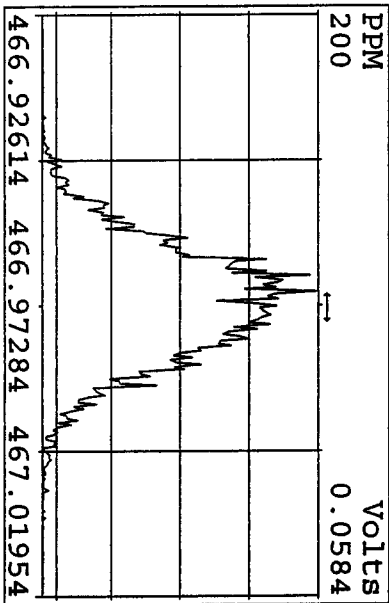
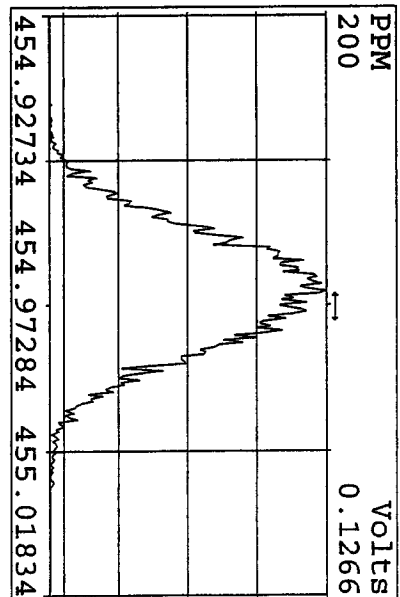
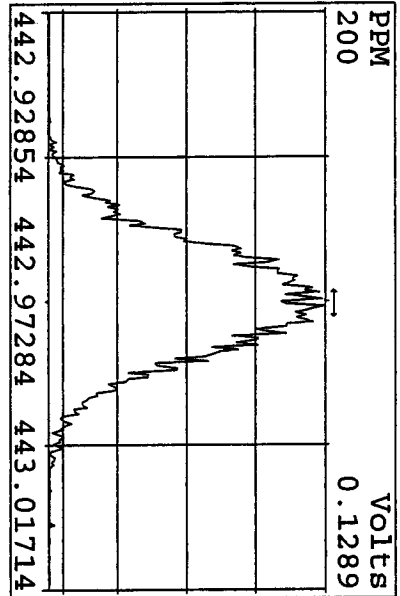
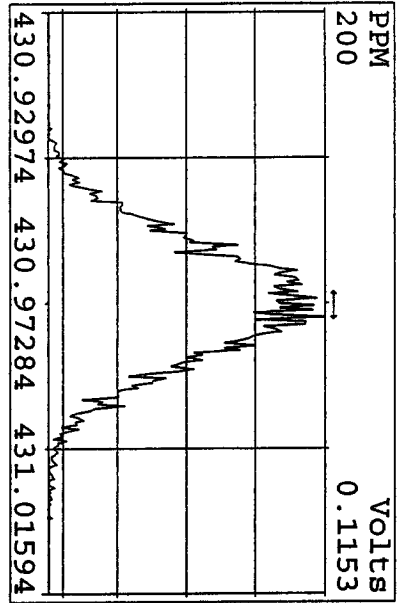
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 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



Peak Locate Examination: 21-APR-2010: 21:00 File: 21AP10B4D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



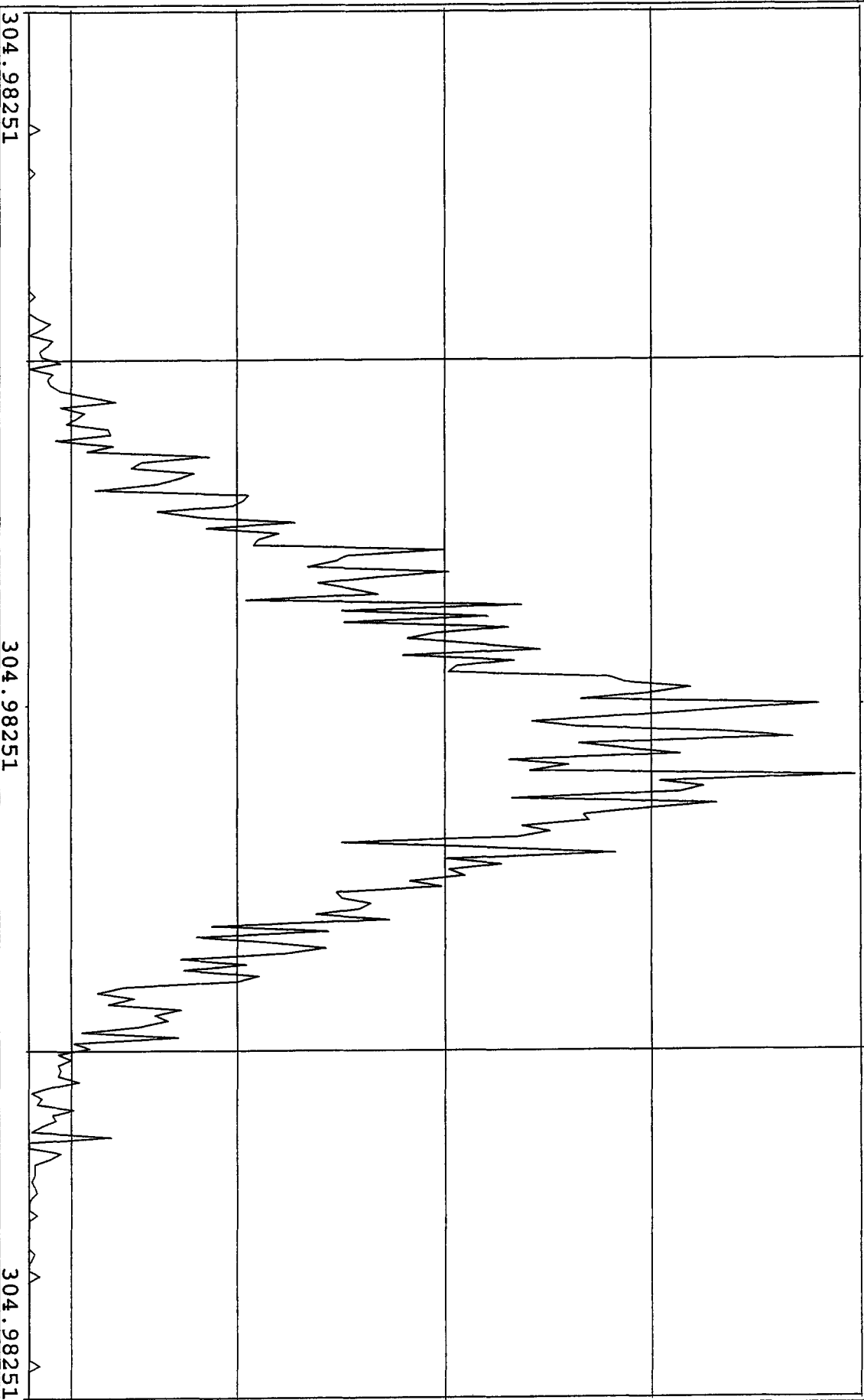
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 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



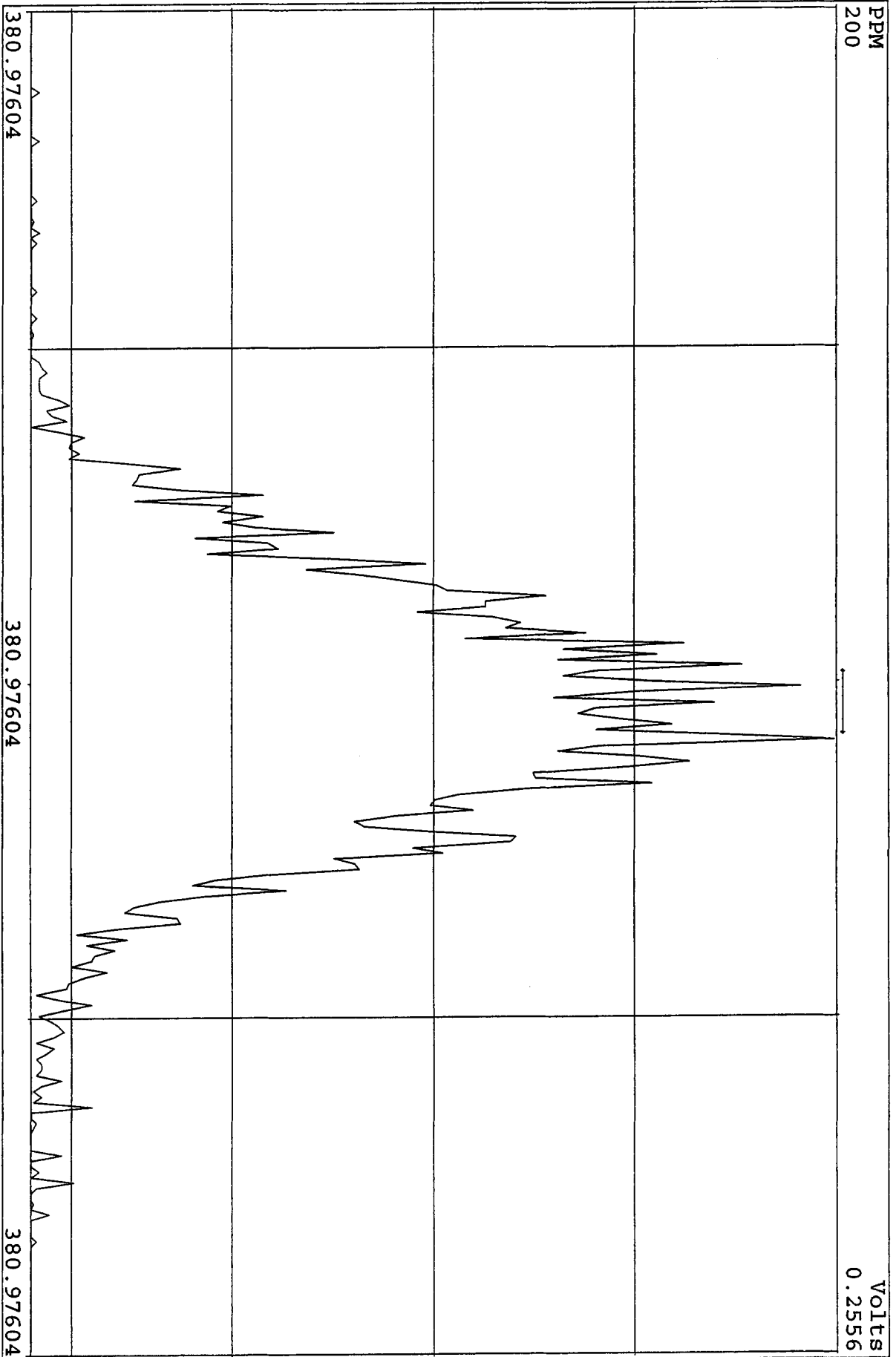
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Experiment: DIOXINRES8290A Function: 7

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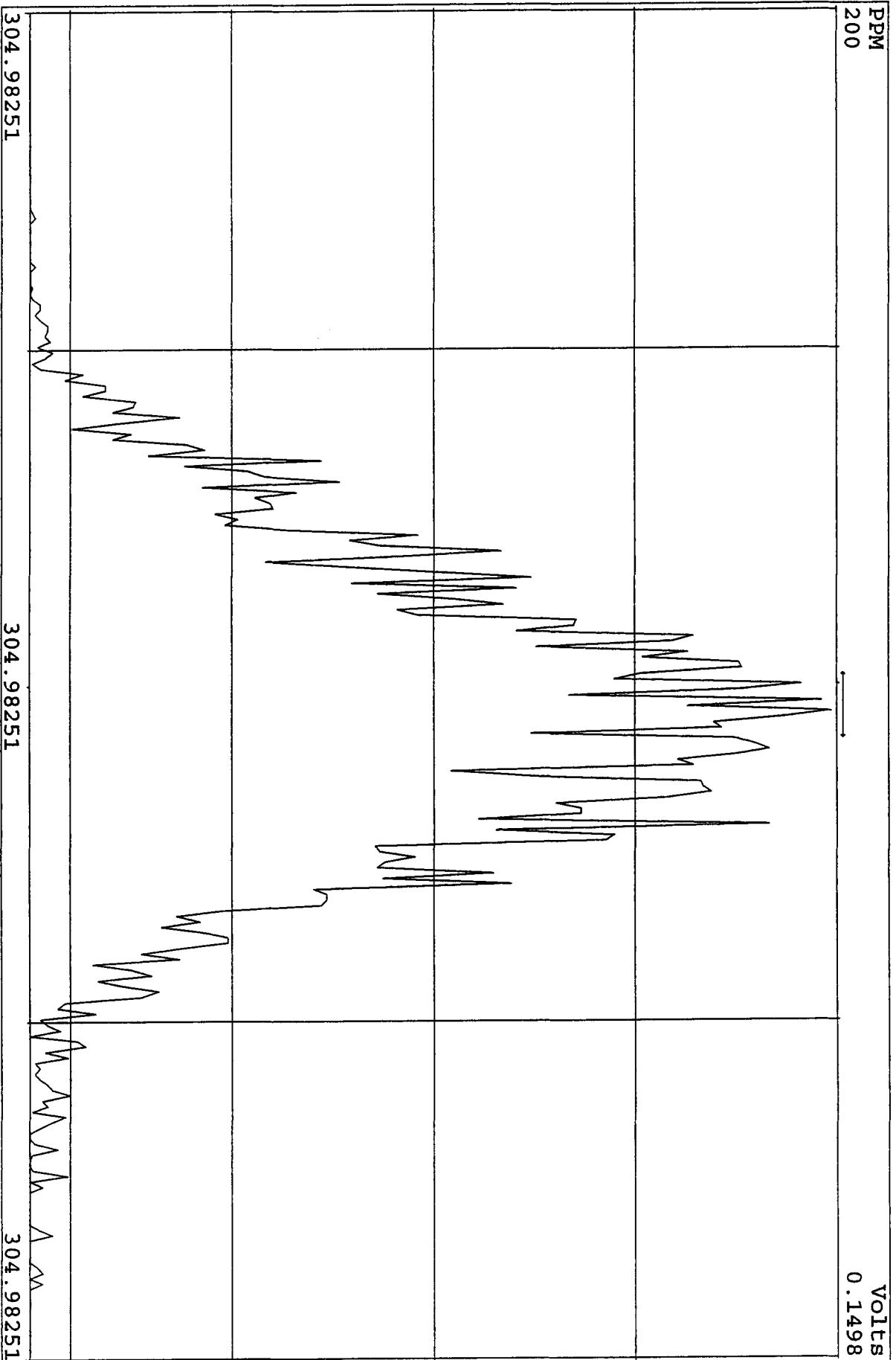
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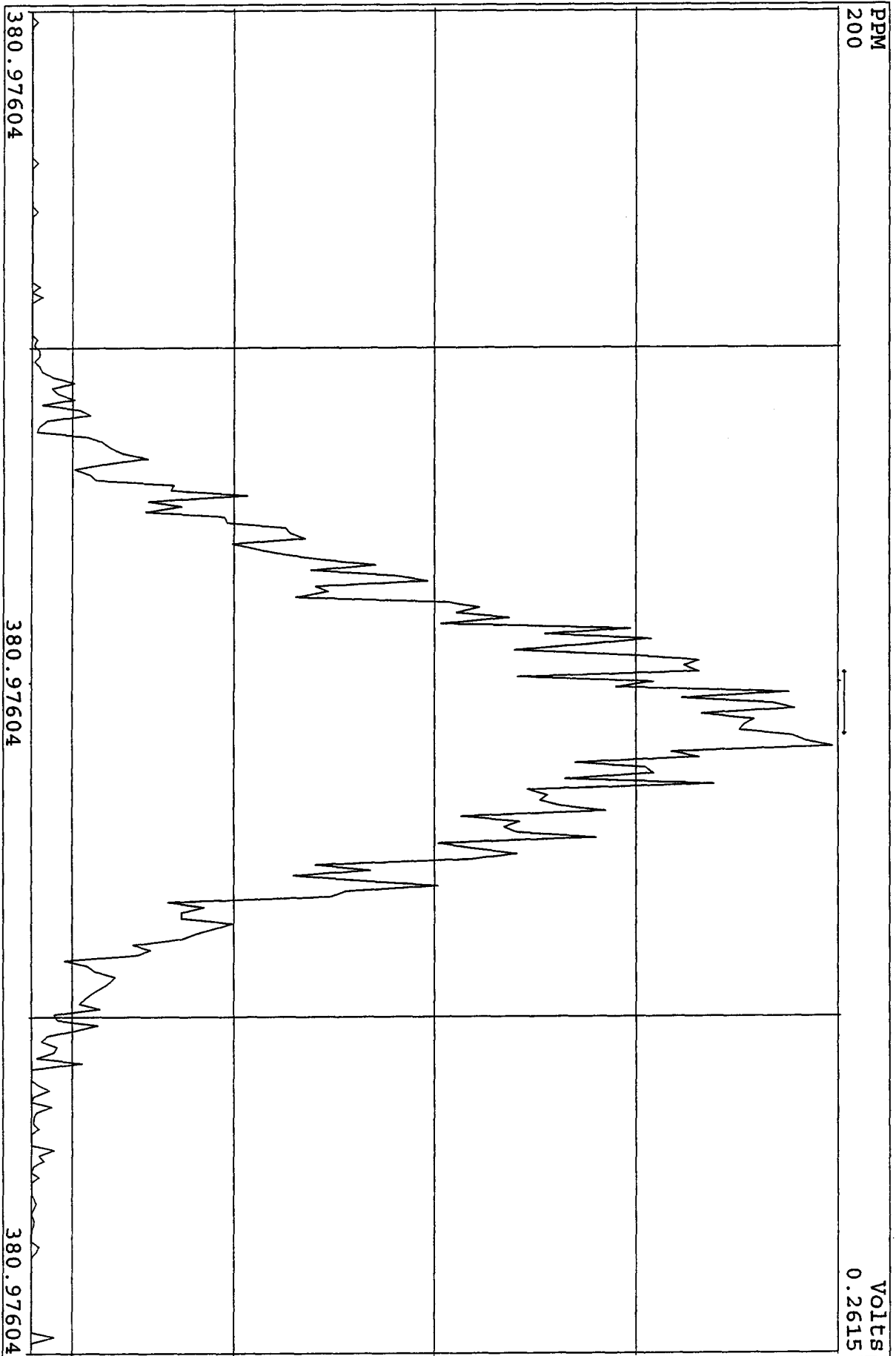
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Experiment: DIOXINRES8290A Function: 6



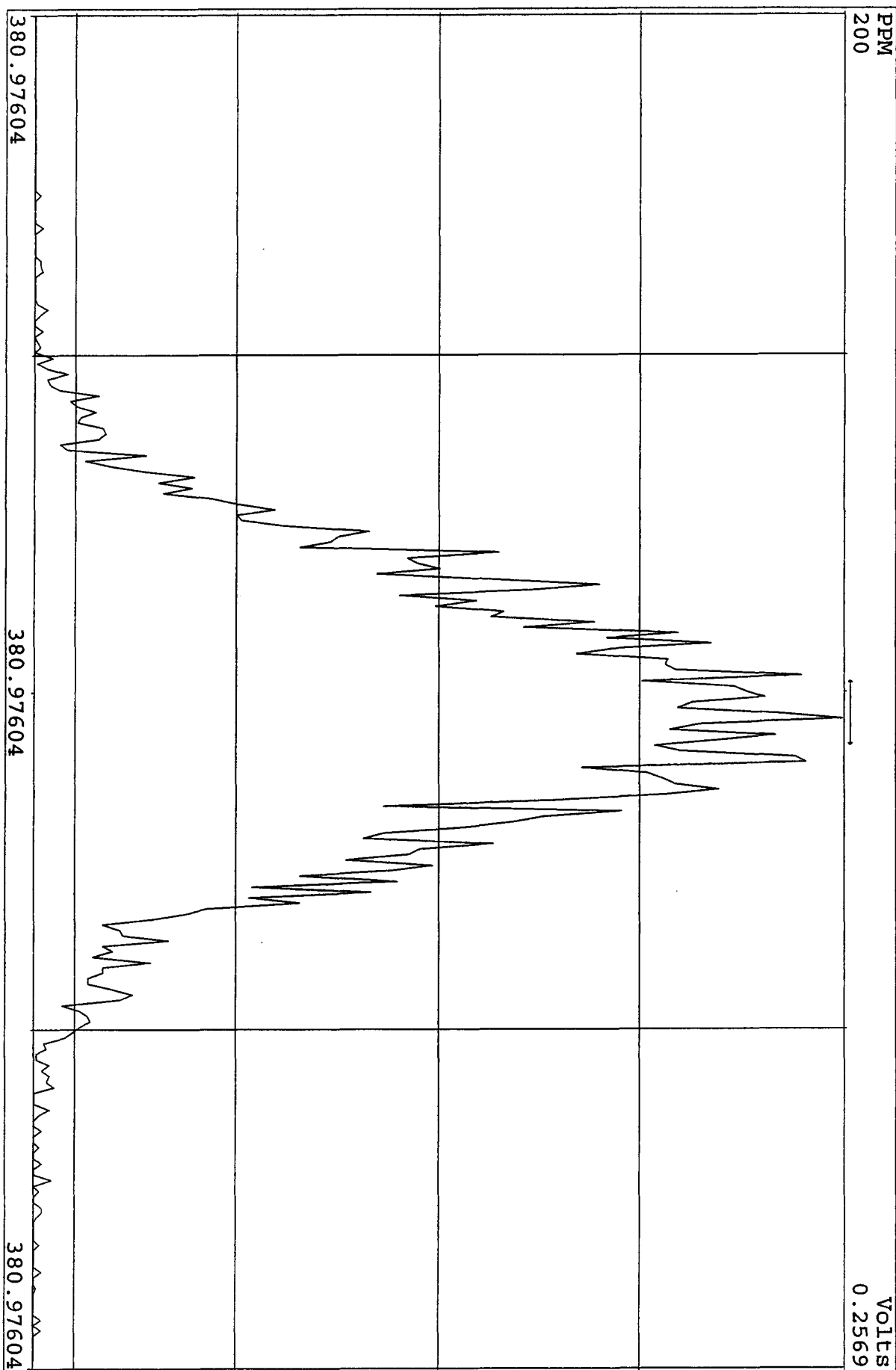
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Experiment: DIOXINRES8290A Function: 7



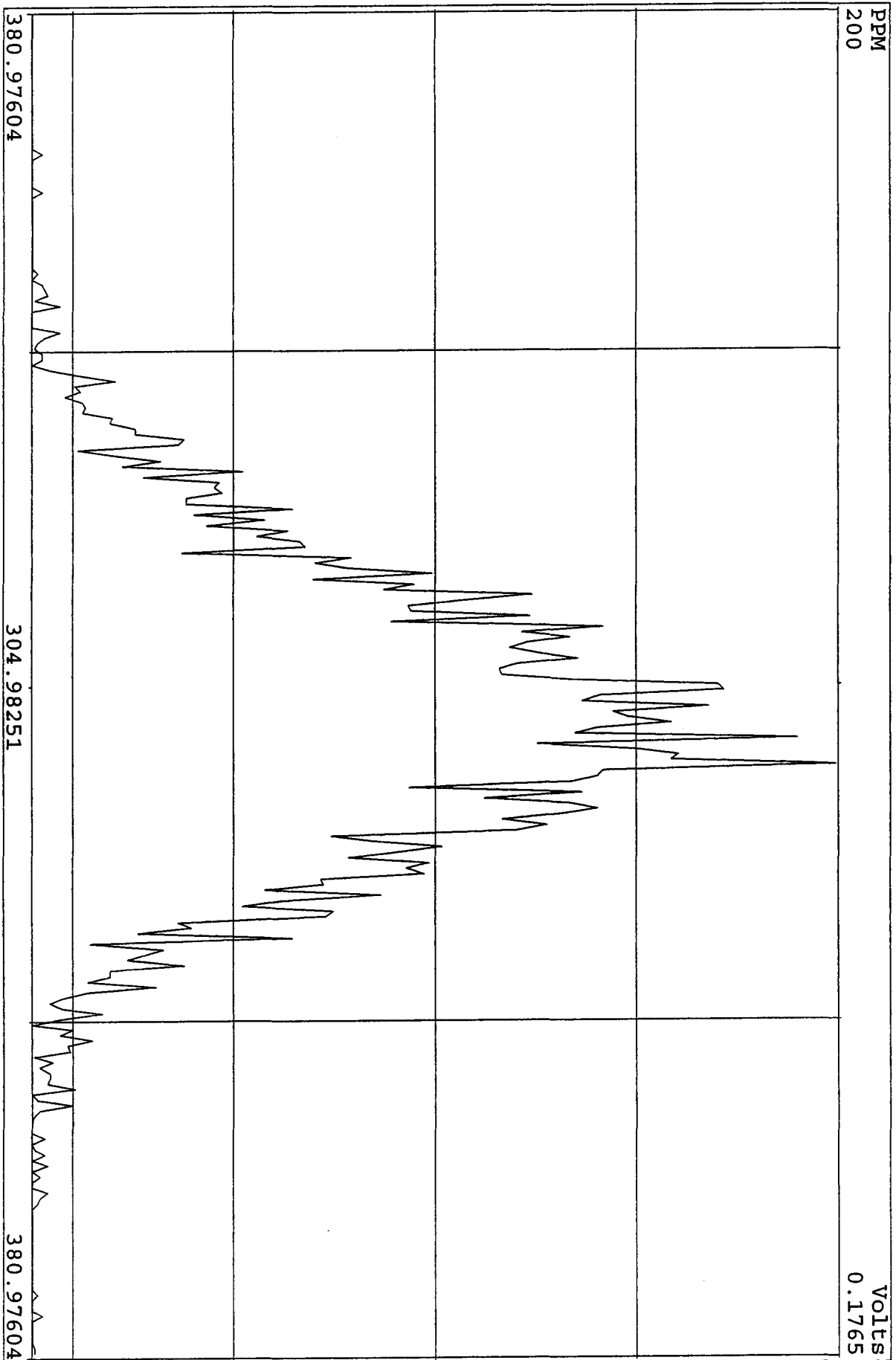
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Experiment: DIOXINRES8290A Function: 6



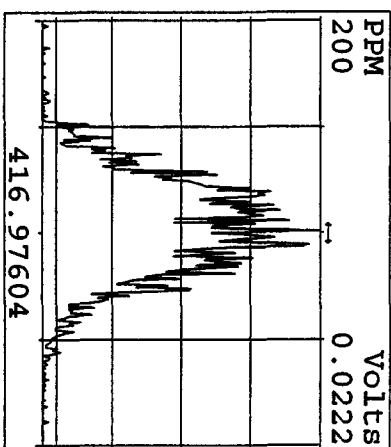
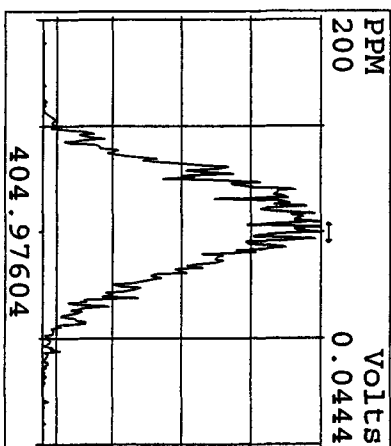
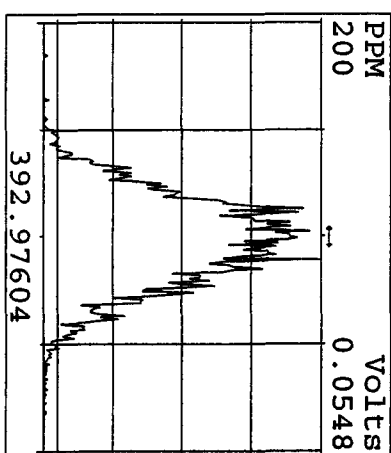
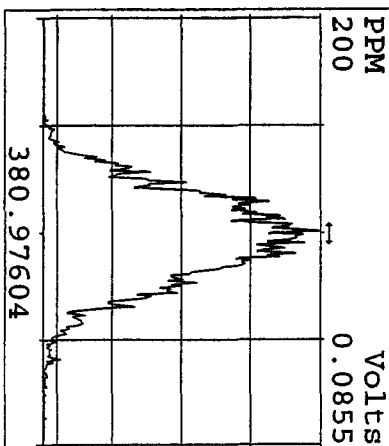
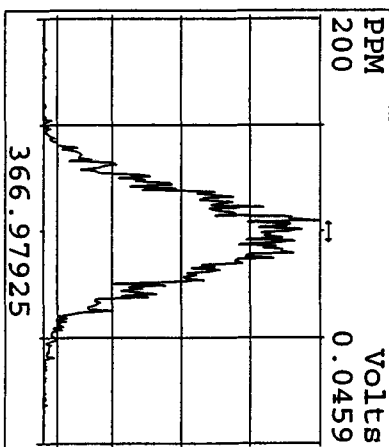
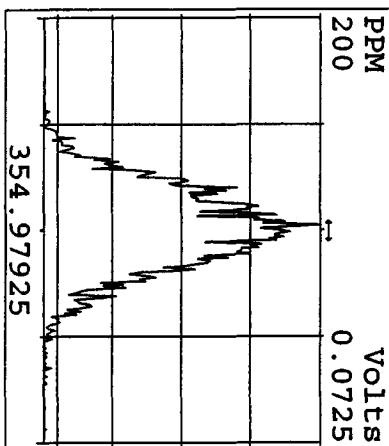
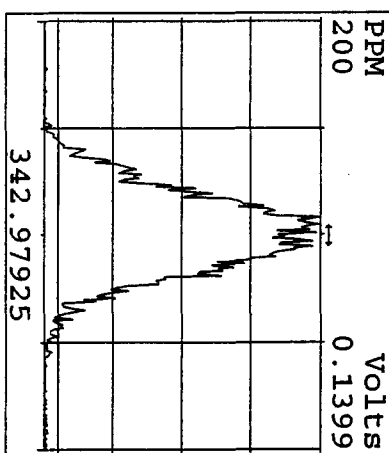
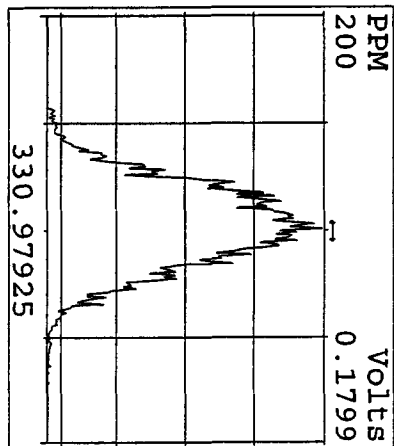
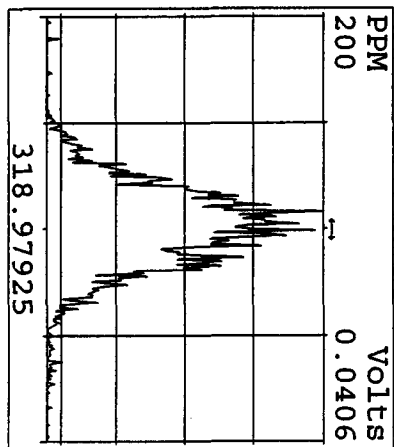
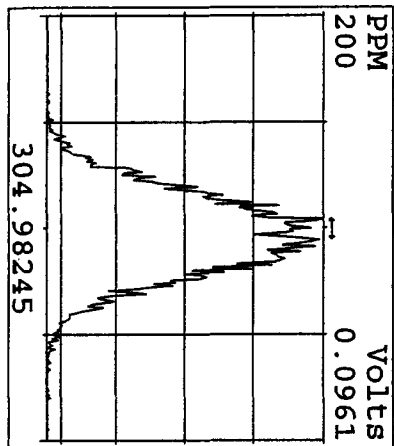
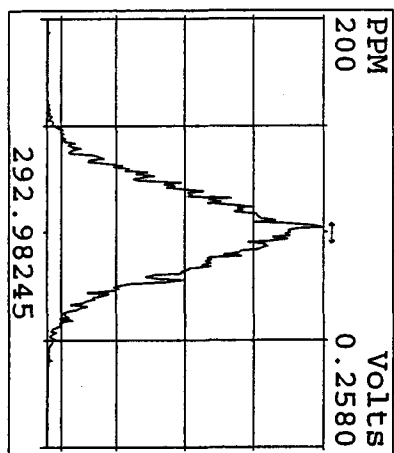
SIRIM Examination: 23-APR-2010:00:57 File: 21AP10B4D5
Experiment: DIOXINRES8290A Function: 6



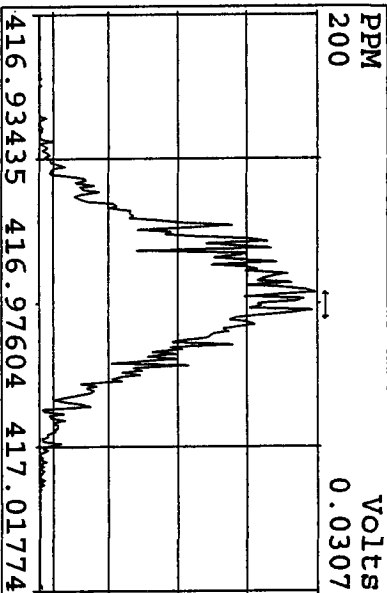
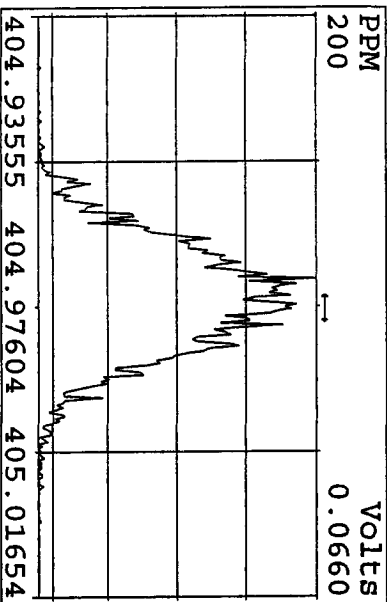
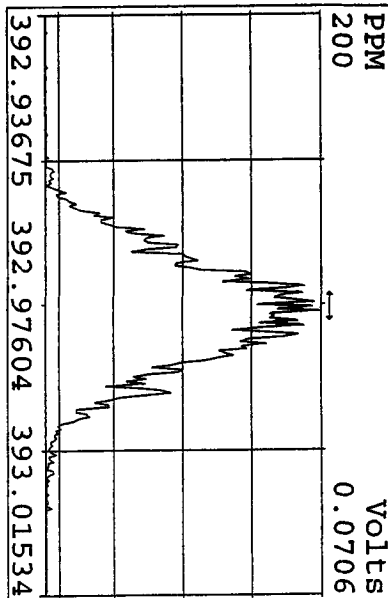
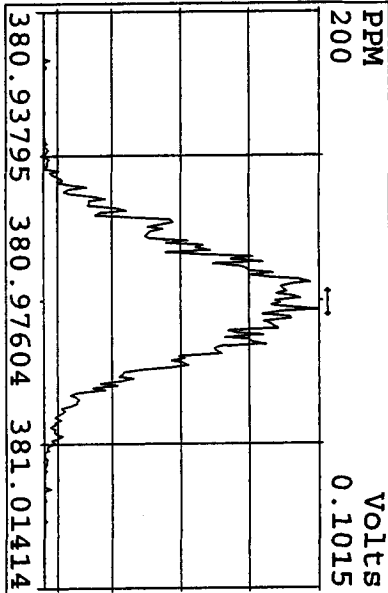
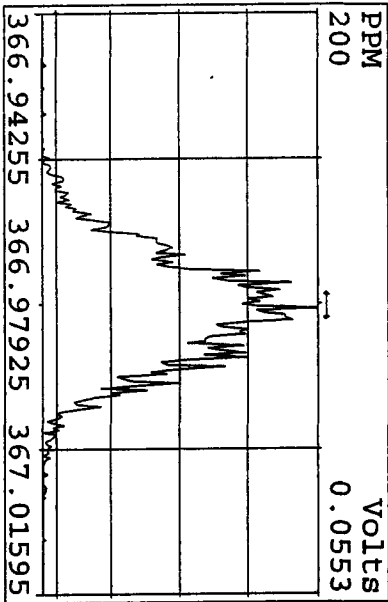
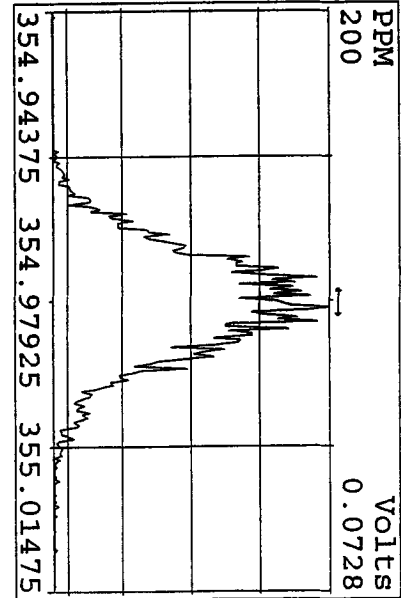
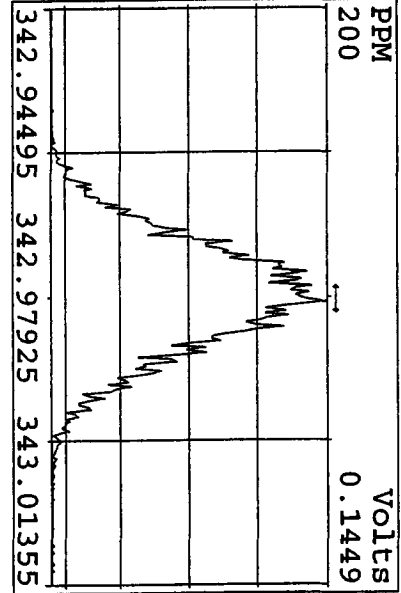
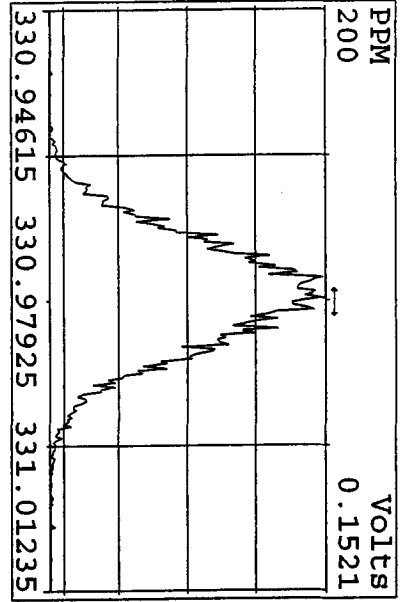
SIRIM Examination: 23-APR-2010:00:57 File: 21AP10B4D5
Experiment: DIOXINRES8290A Function: 7



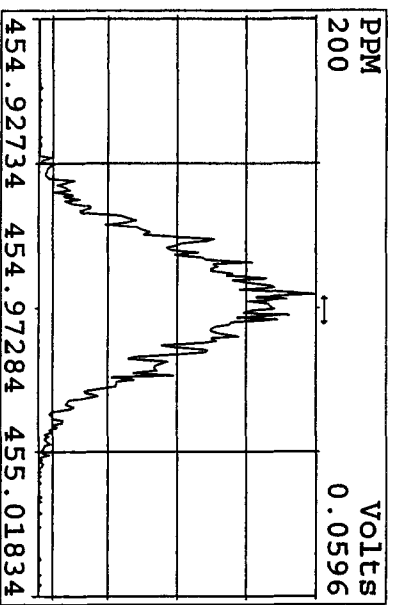
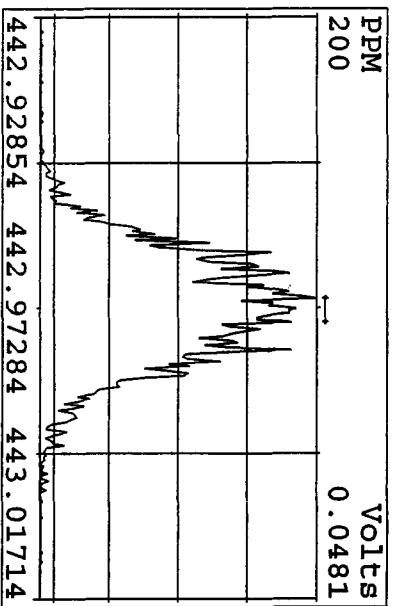
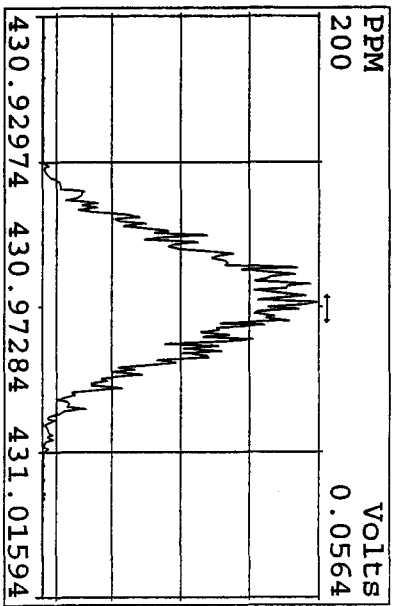
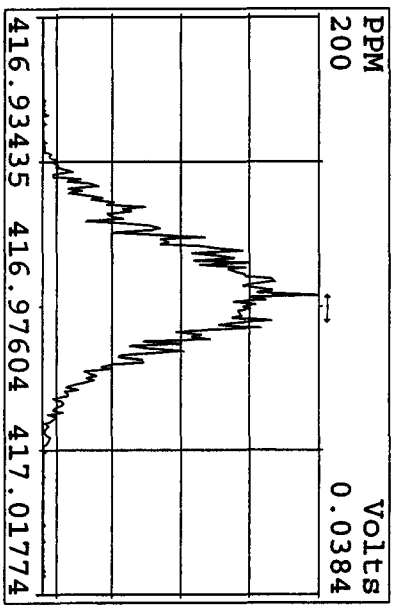
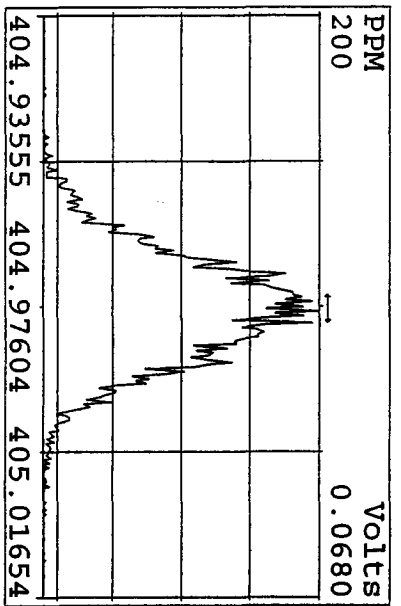
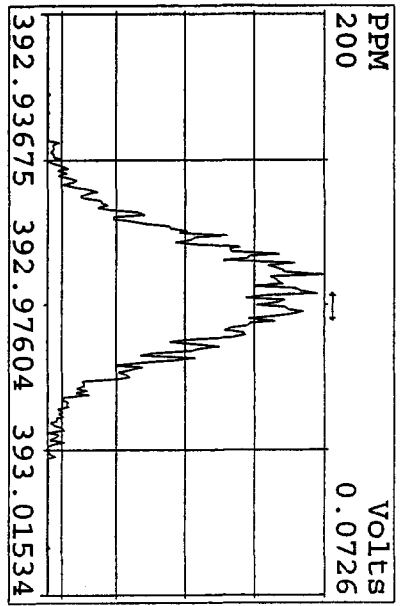
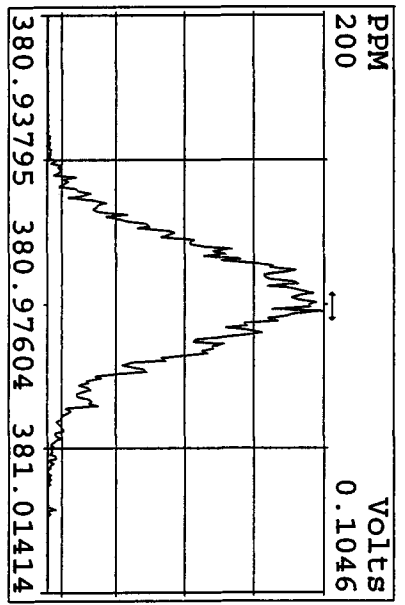
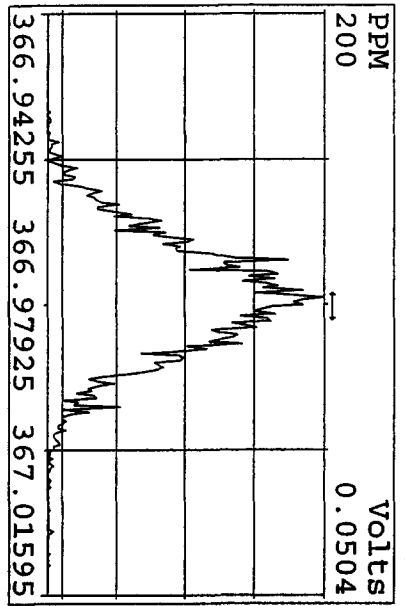
Peak Locate Examination:23-APR-2010:11:26 File:ENDRES21API10B4D5
Experiment:DIOXIN Function:1 Reference:PFK



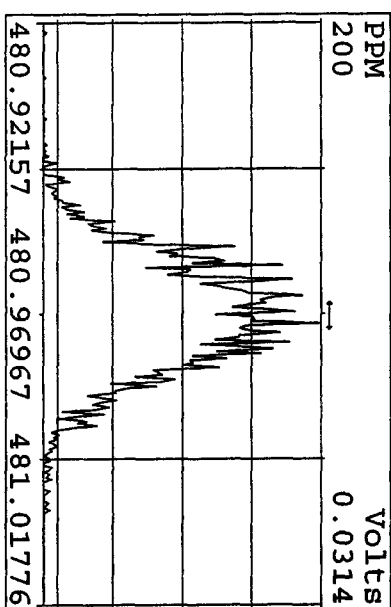
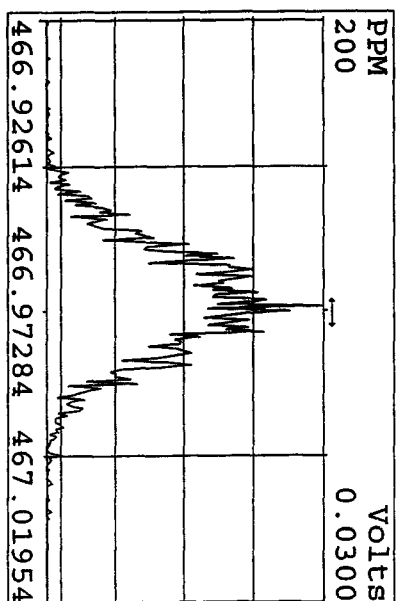
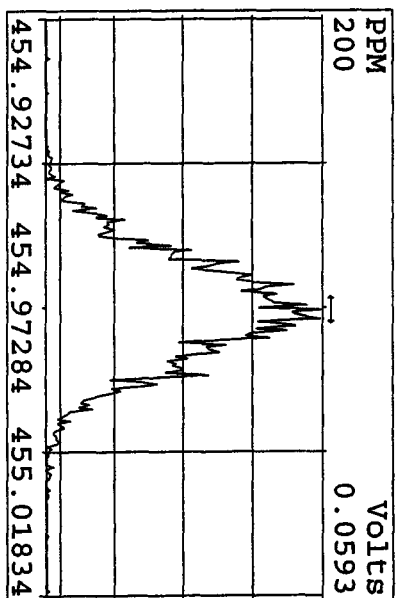
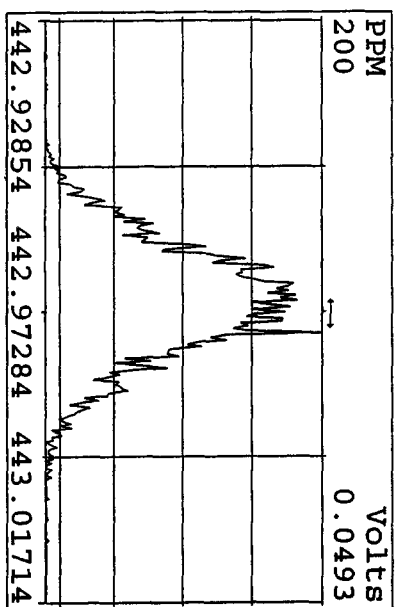
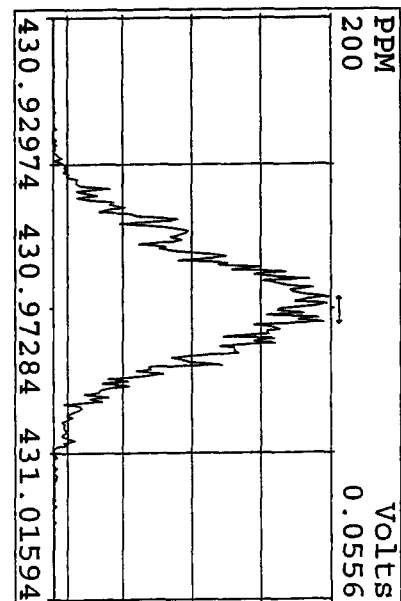
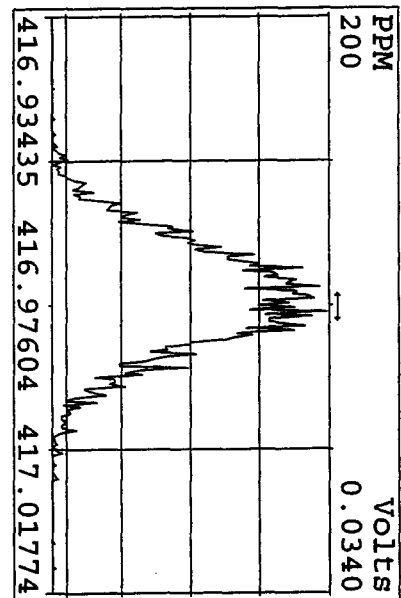
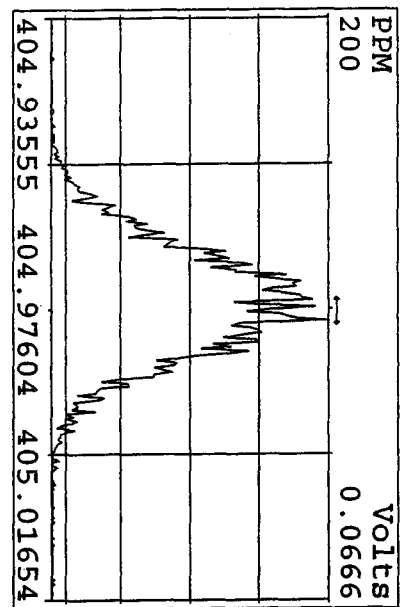
Peak Locate Examination: 23-APR-2010: 11:26 File: ENDRS21AP10B4DS
 Experiment: DIOXIN Function: 2 Reference: PFK



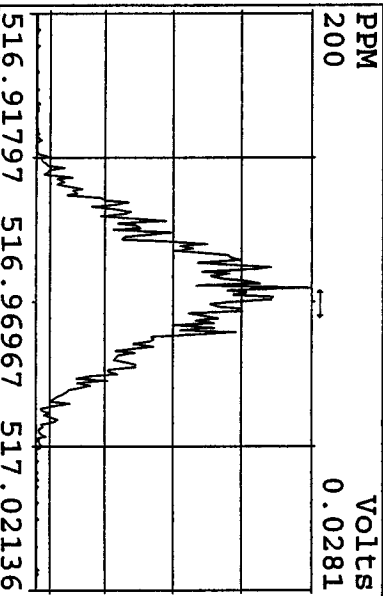
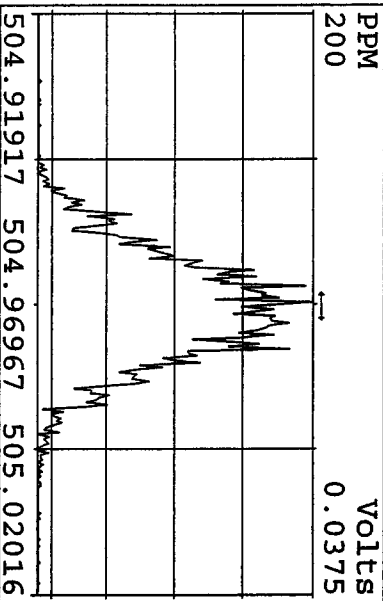
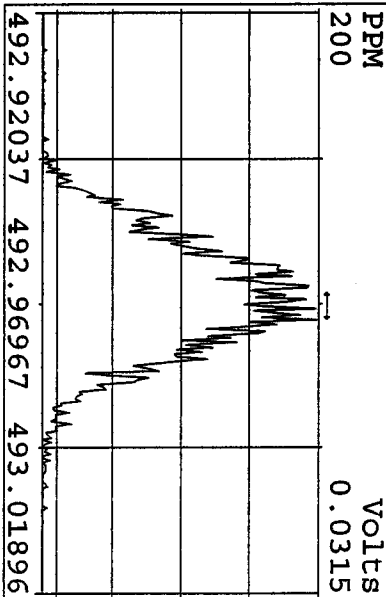
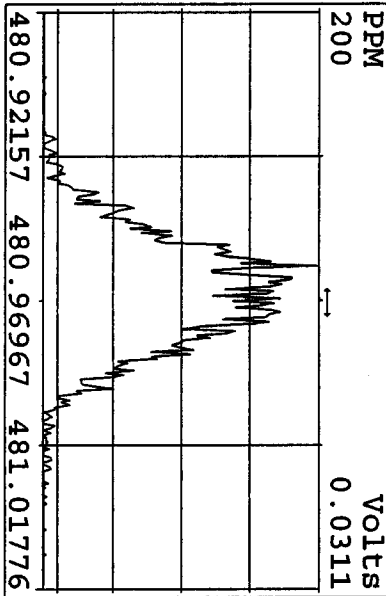
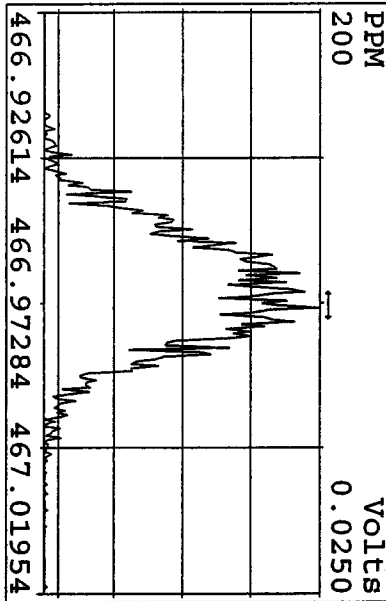
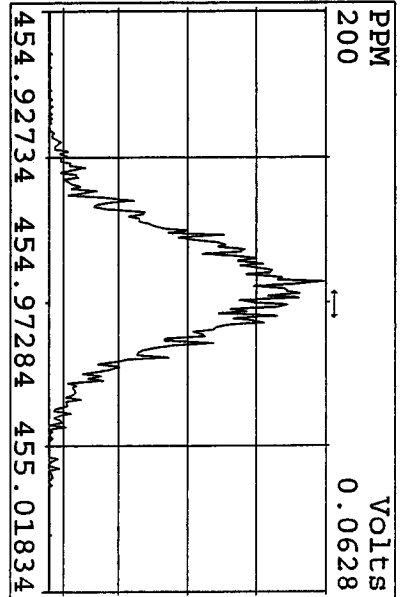
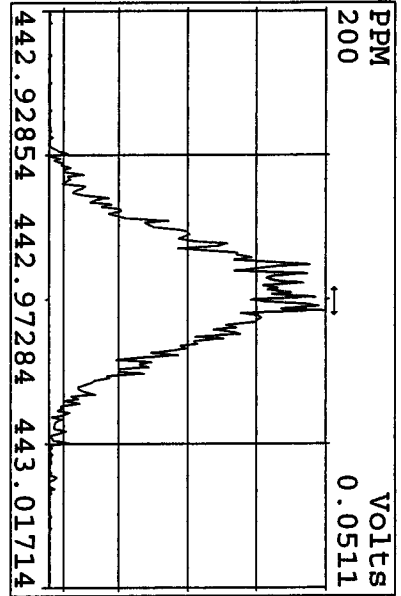
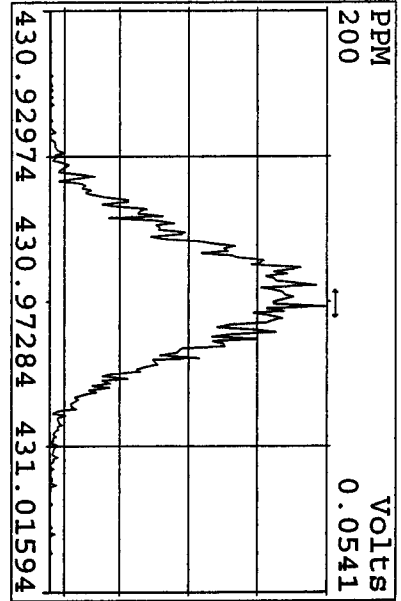
Peak Locate Examination: 23-APR-2010:11:27 File: ENDRES21AP10B4DS
 Experiment: DIOXIN Function: 3 Reference: PFK



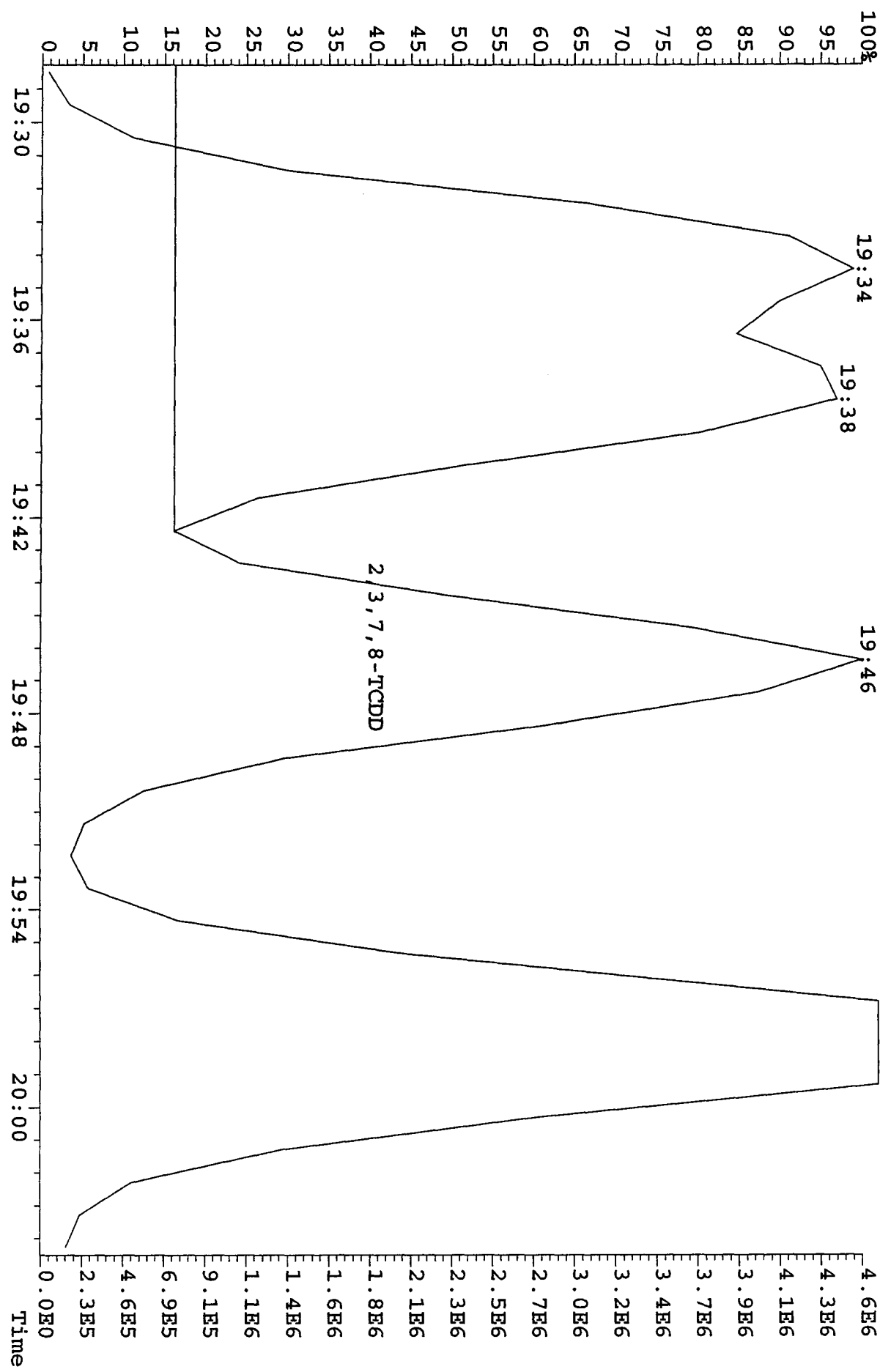
Peak Locate Examination: 23-APR-2010:11:27 File: ENDRS21AP10B4D5
Experiment: DIOXIN Function: 4 Reference: PFK



Peak Locate Examination: 23-APR-2010:11:28 File: ENDRS21AP10B4D5
 Experiment: DIOXIN Function: 5 Reference: PFK



File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-UltimaE
 321.8936 S:20 Exp: DIOXINRES8290A
 Sample Text: CP0421B :DB-5 CPSM 3732-05

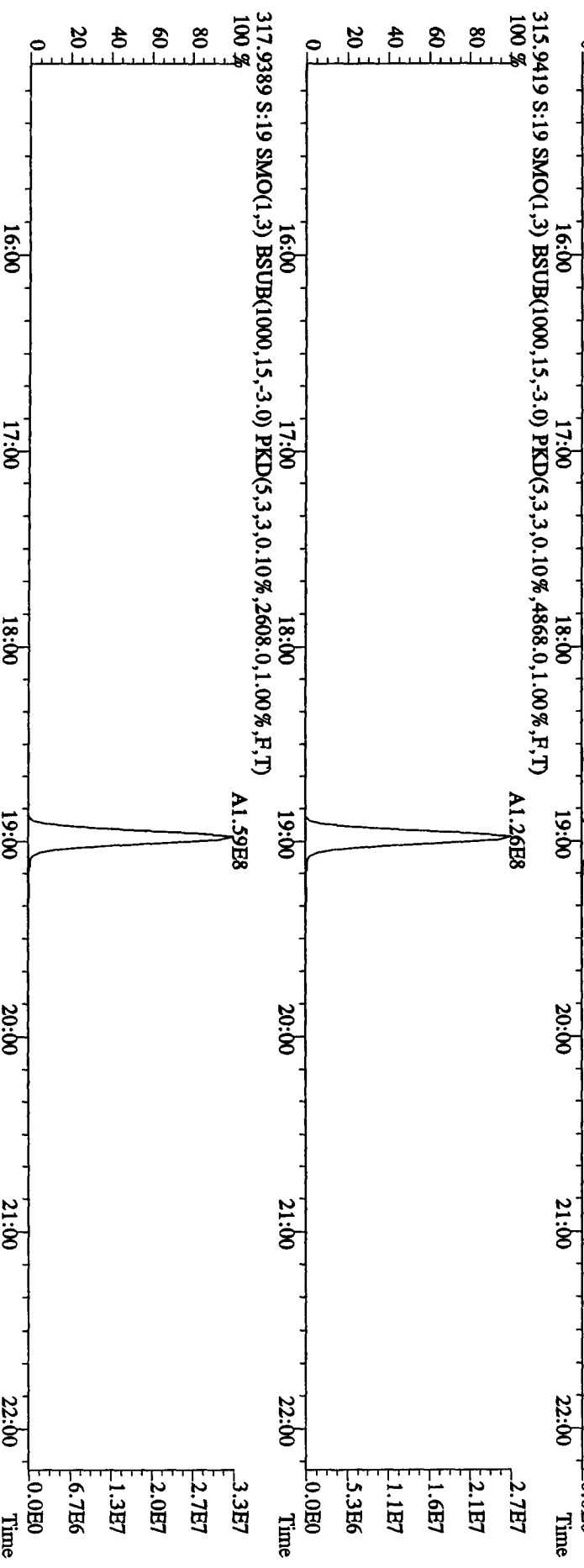
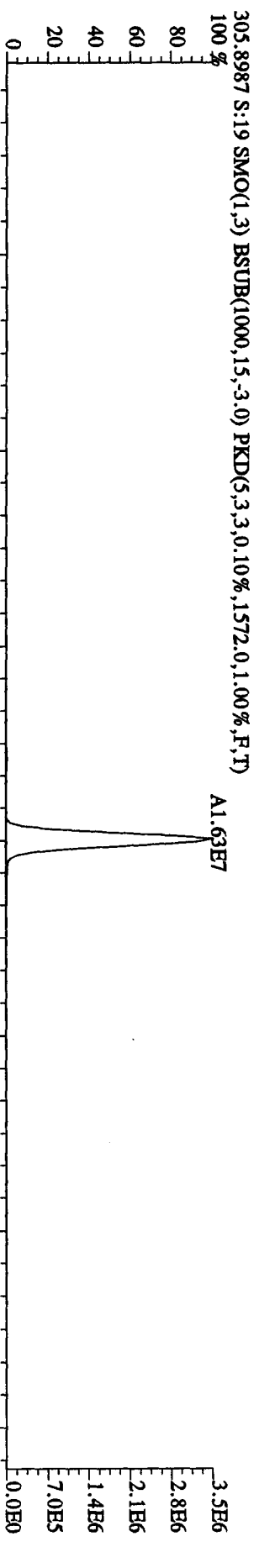
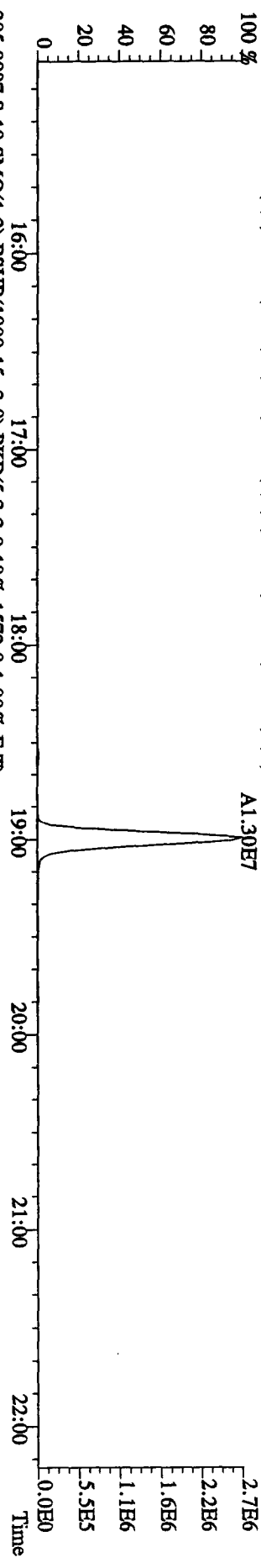


ST0412B : CS-1 09DXN422 ST0412A : CS-2 09DXN423 ST0412 : CS-3 10DXN111
 ST0412D : CS-4 09DXN426 ST0412C : CS-5 09DXN456

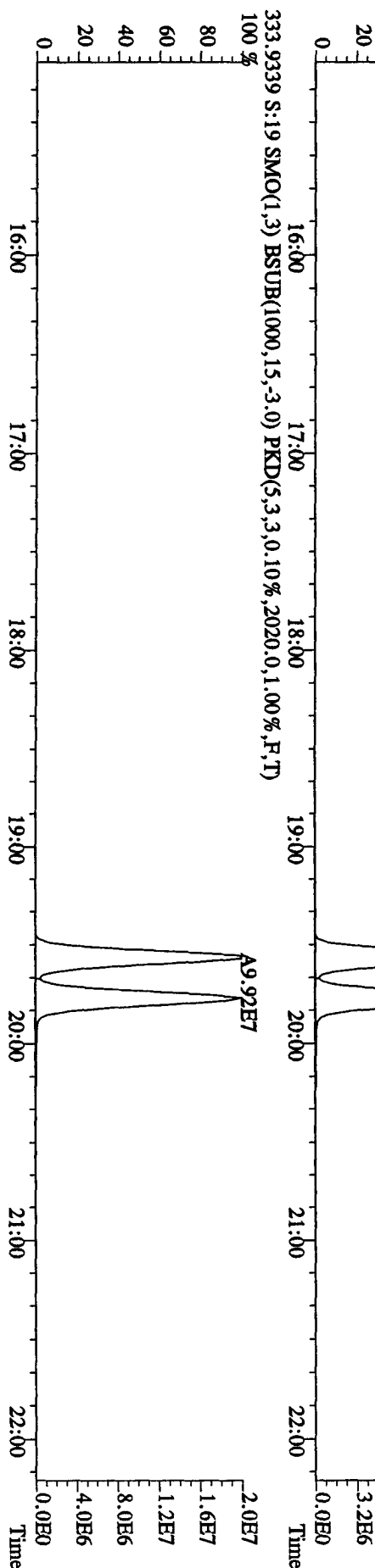
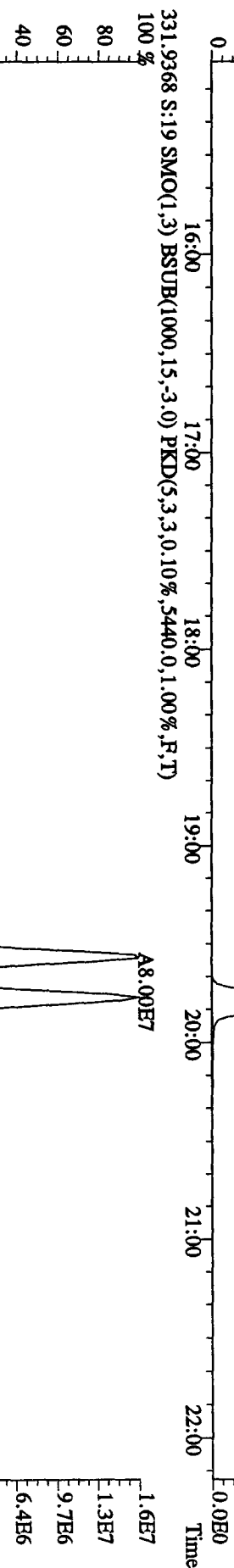
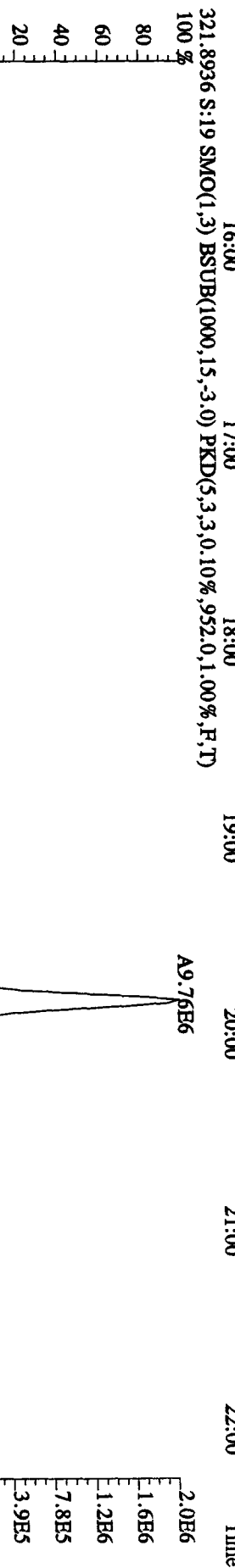
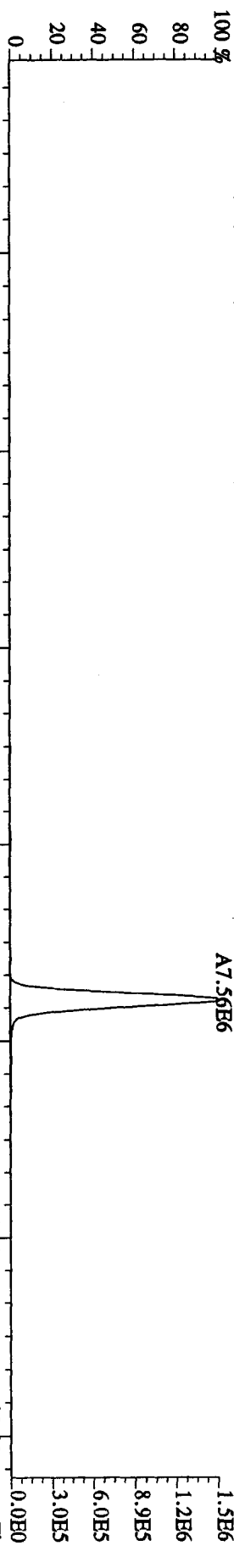
Name	Mean	S. D.	%RSD	12API04D5				
				S4	S3	S2	S6	S5
				RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	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-1,2,3,7,8,9-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
3C-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
3C-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

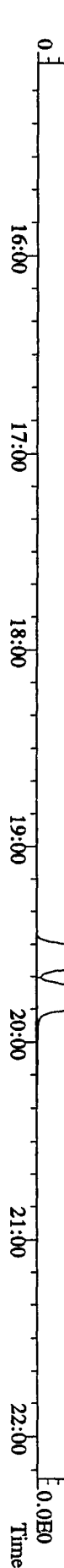
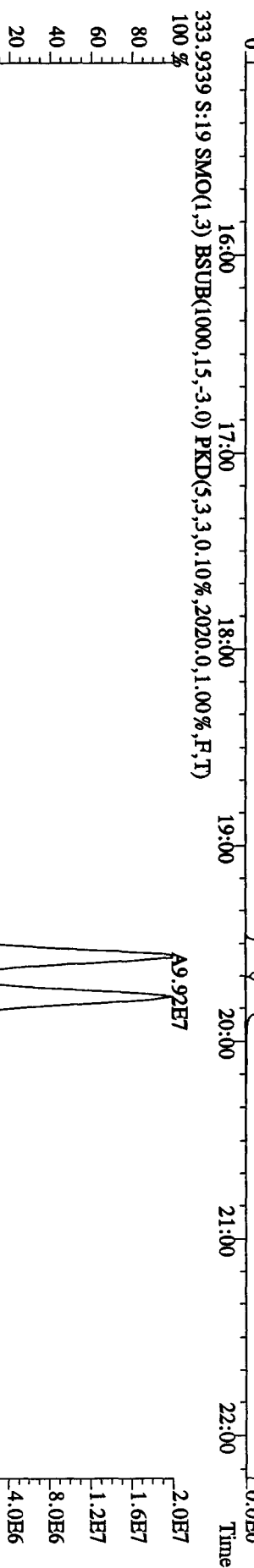
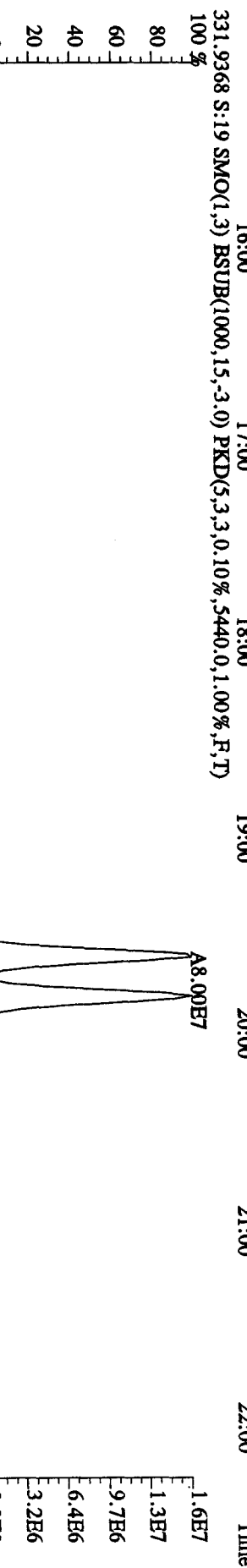
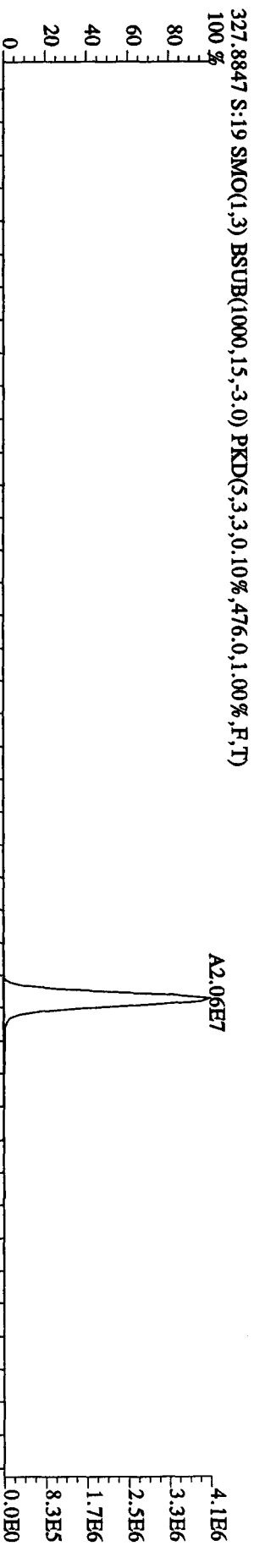
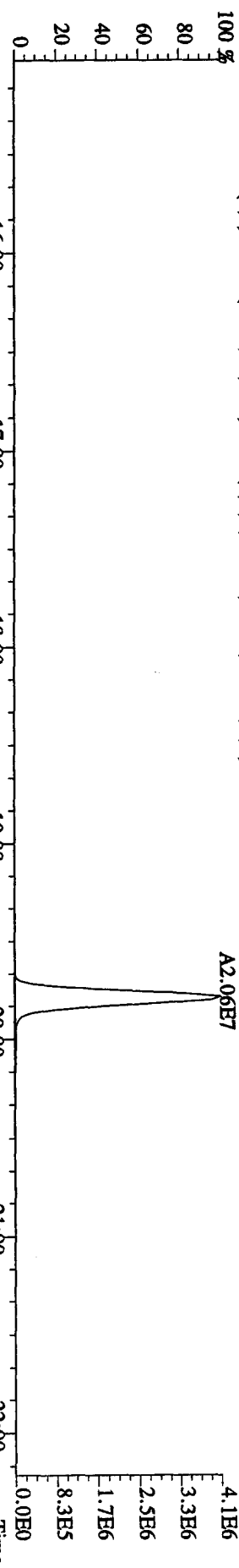
File:21AP10B4D5 #1-434 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#19 Text:ST0421C :CS3 10DDXN111 Exp:DIOXINRESS8290A
 303.9016 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1108,0,1,00%,F,T) 100 %



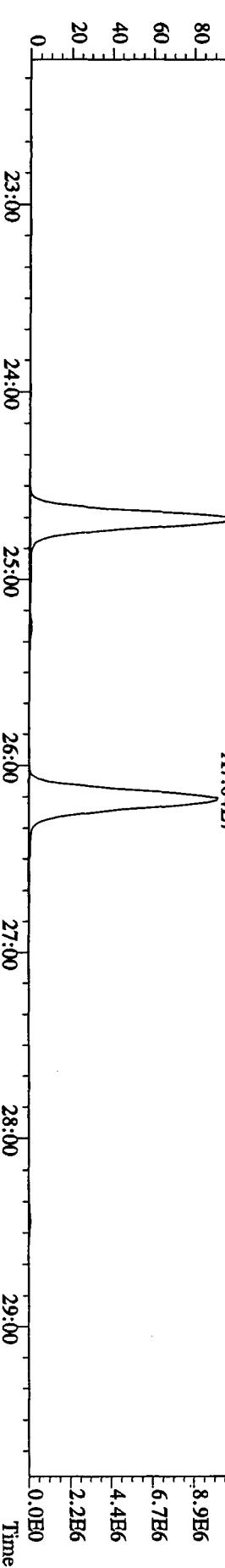
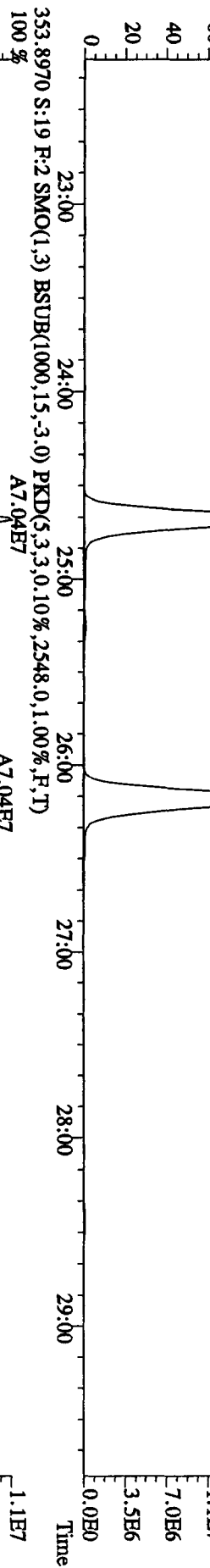
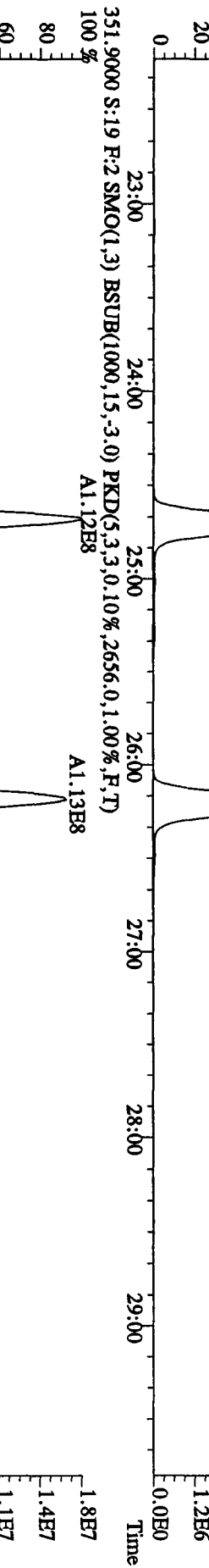
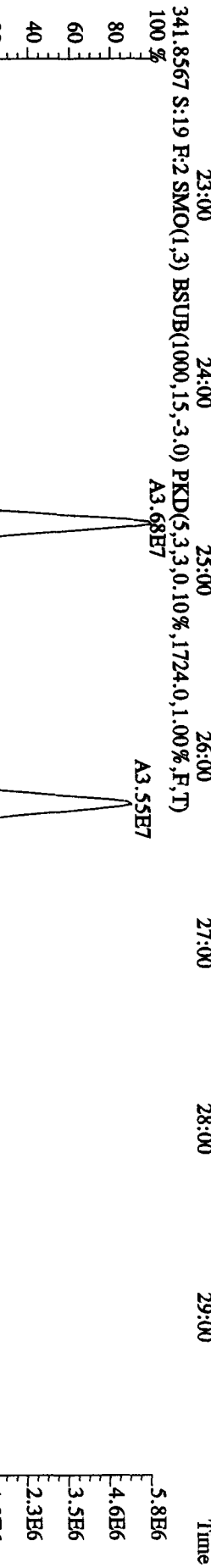
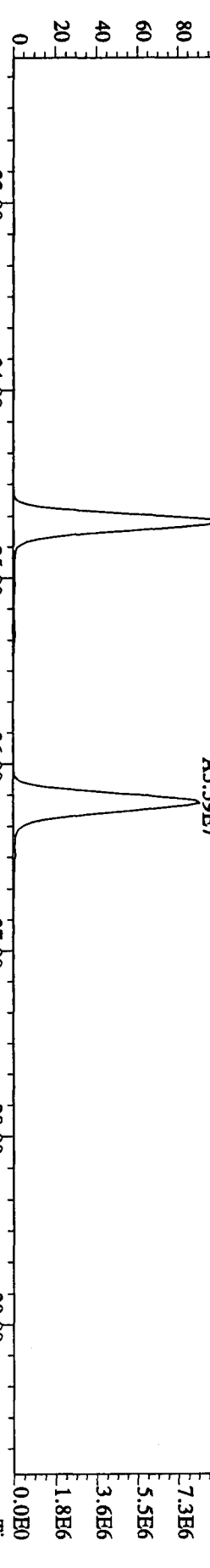
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 Sample#19 Text: ST0421C :CS3 10DDXN111 Exp: DIOXINRBS8290A
 319.8965 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,488.0,1.00%,F,T)
 100%



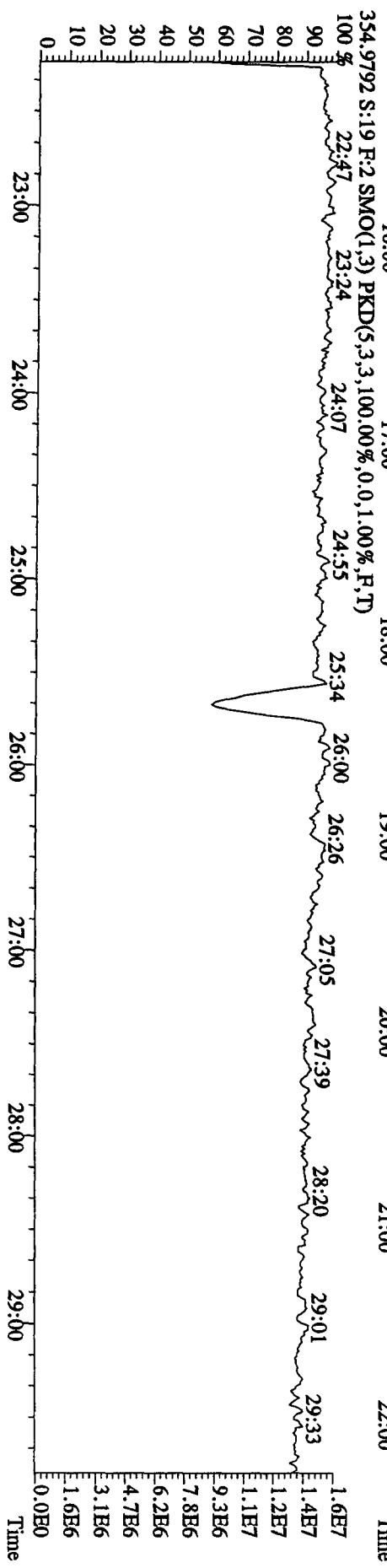
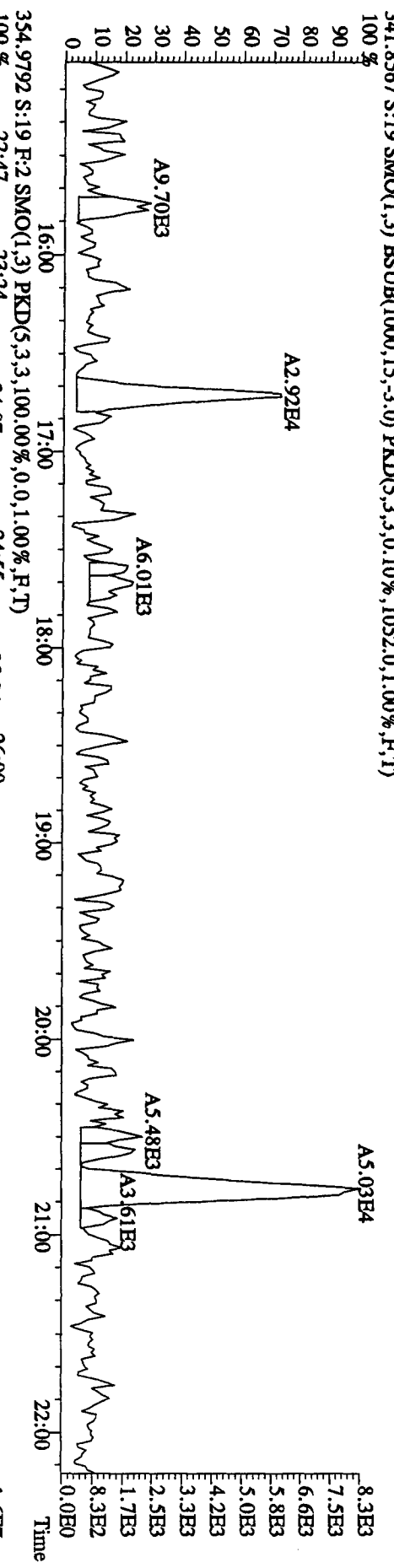
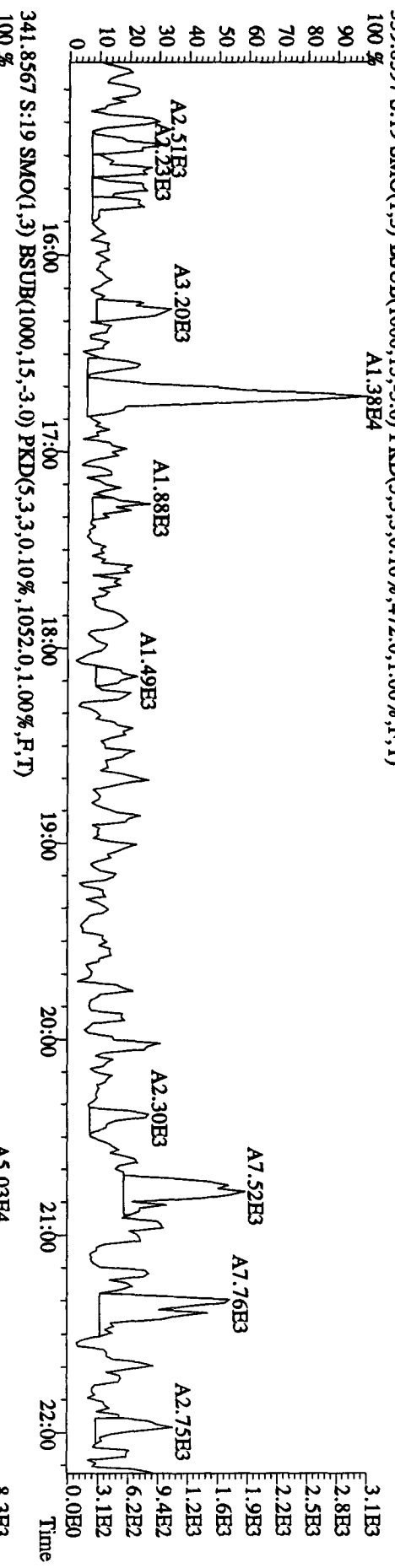
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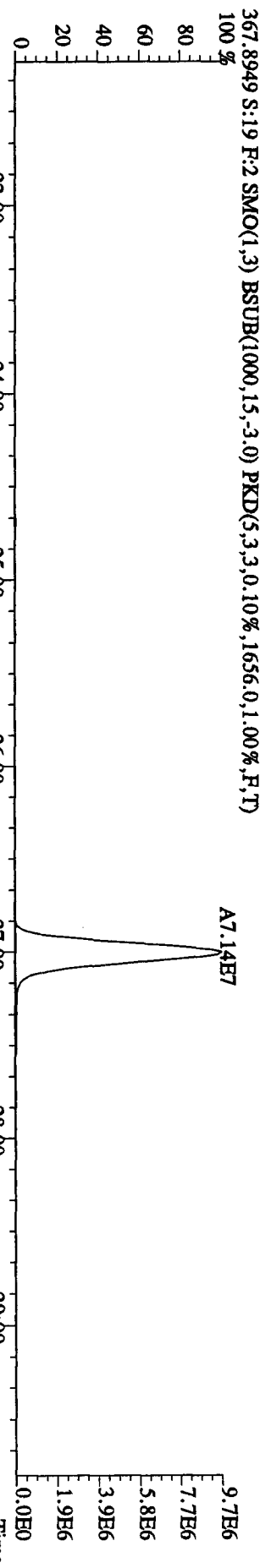
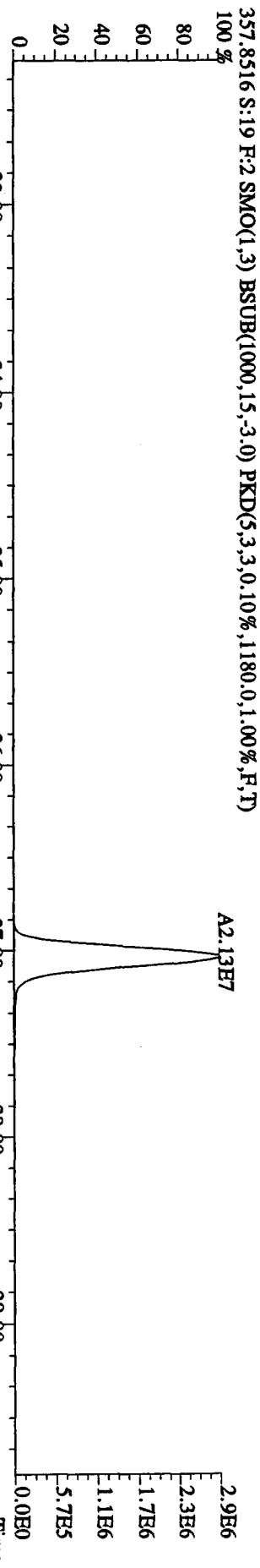
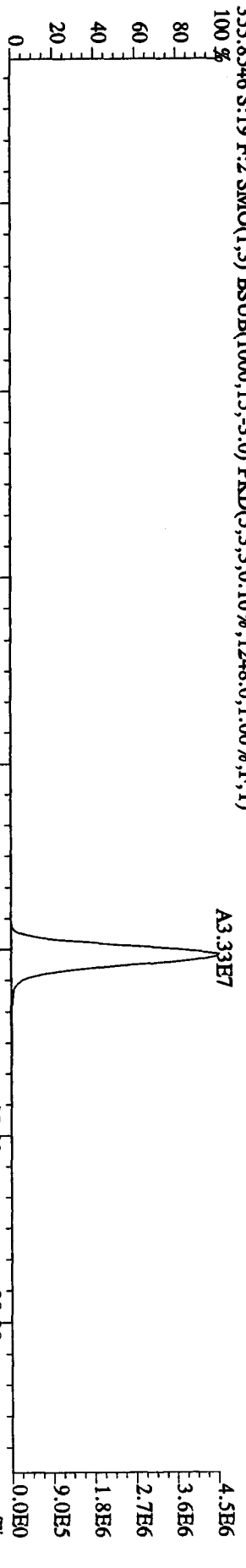
File:21ADP10B4D5 #1-604 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A
 353.8970 S:19 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1748,0,1,00%,F,T)
 100% A5.75E7

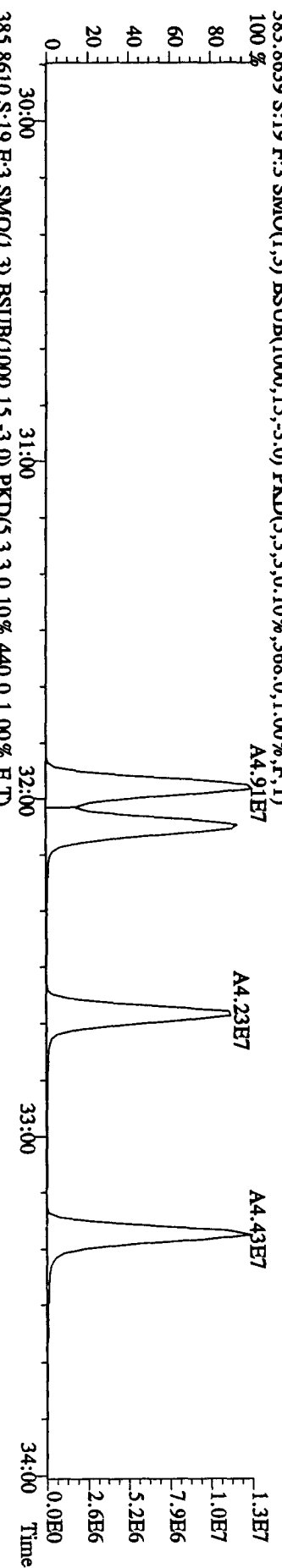
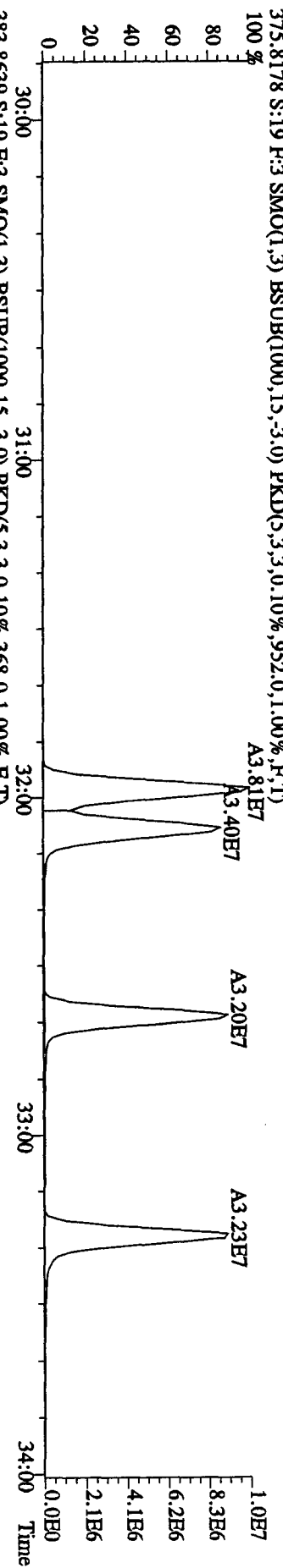
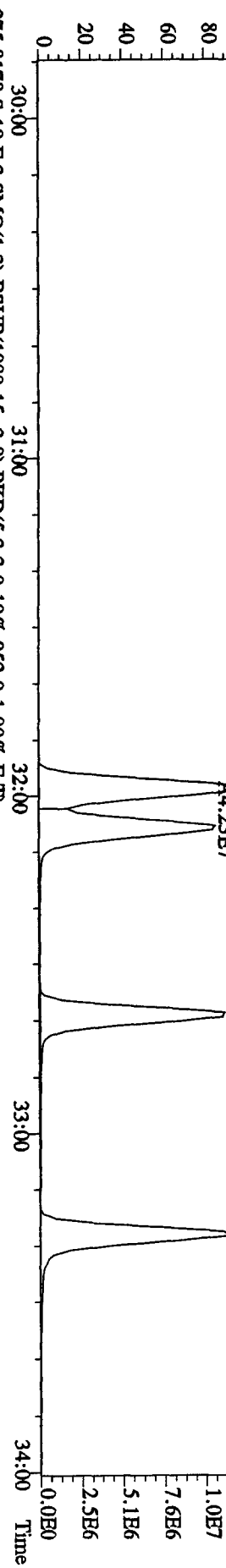


File: 21API0B4D5 #1-434 Acq: 22-APR-2010 10:18:47 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#19 Text: ST0421C :CS3 10DXN111 Exp: DIOXINRES8290A
 339.8597 S:19 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,472.0,1.00%,F,T)

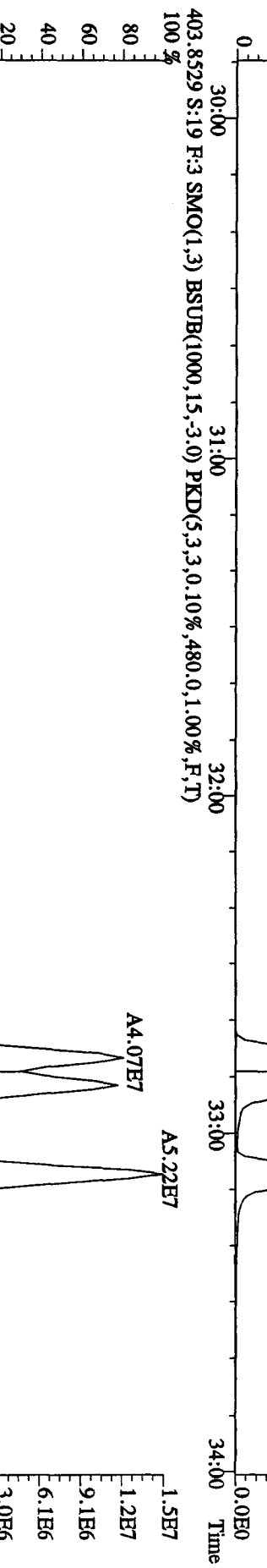
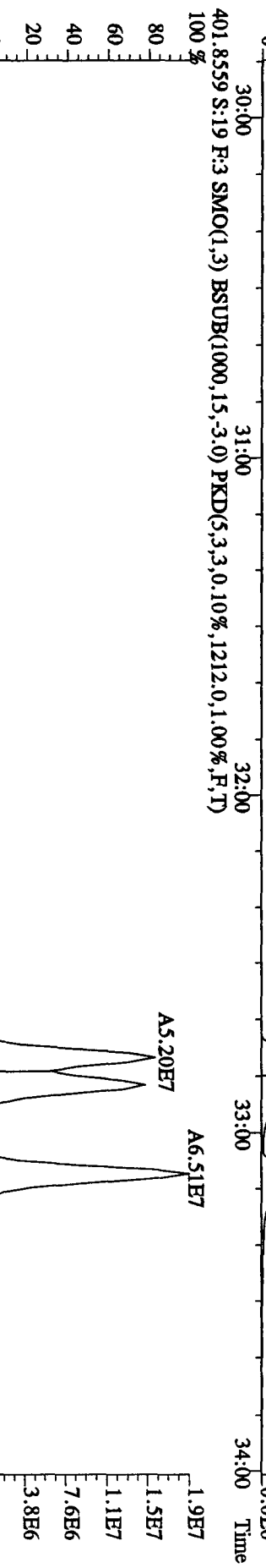
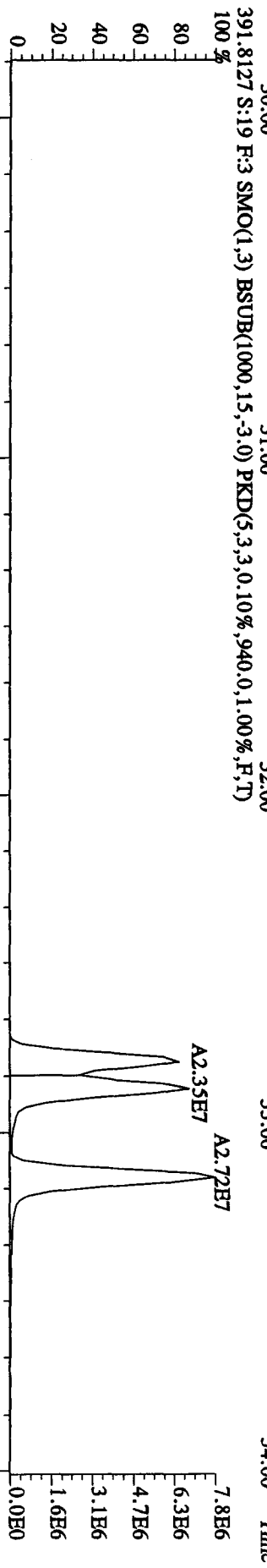
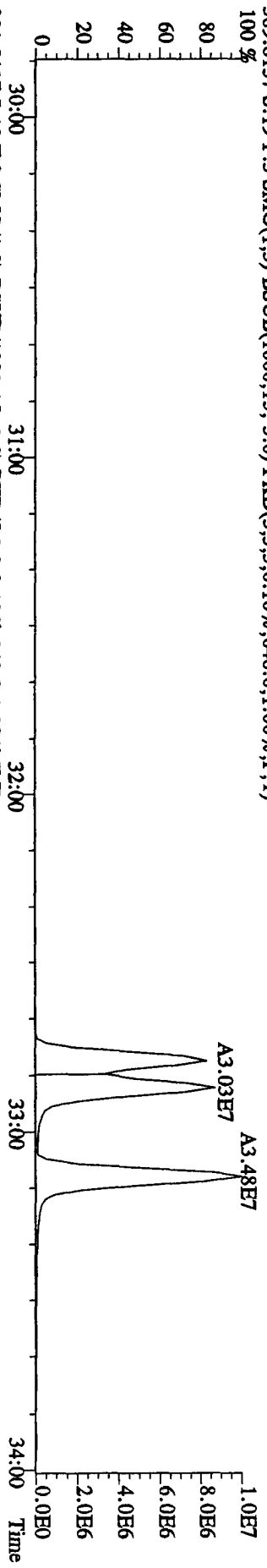


File:21AP10BAD5 #1-604 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A
 355,8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1248.0,1.00%,F,T)
 100 %

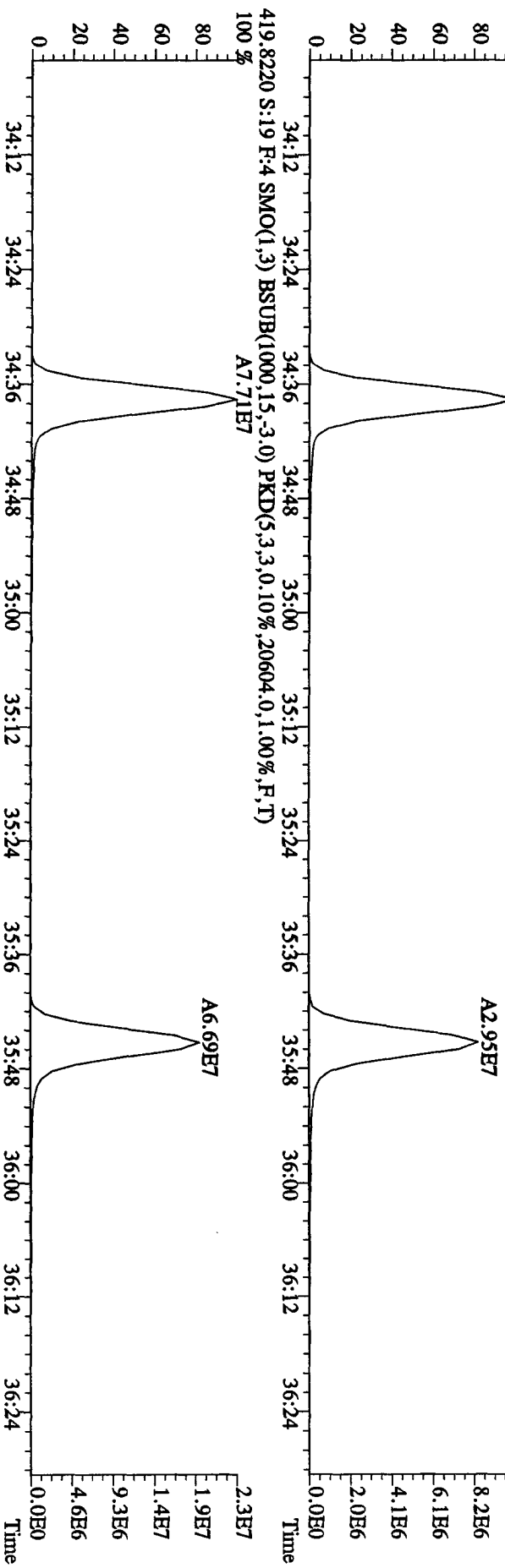
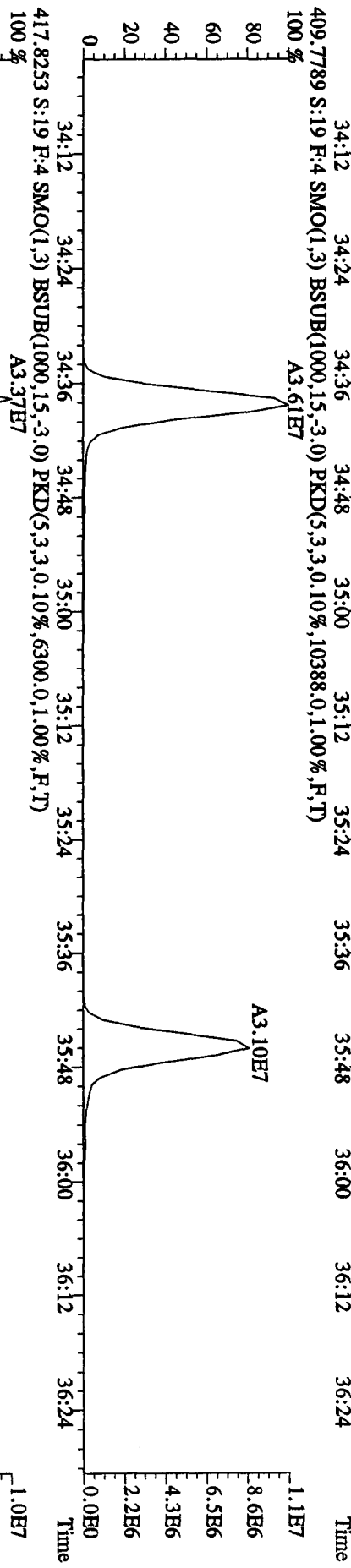
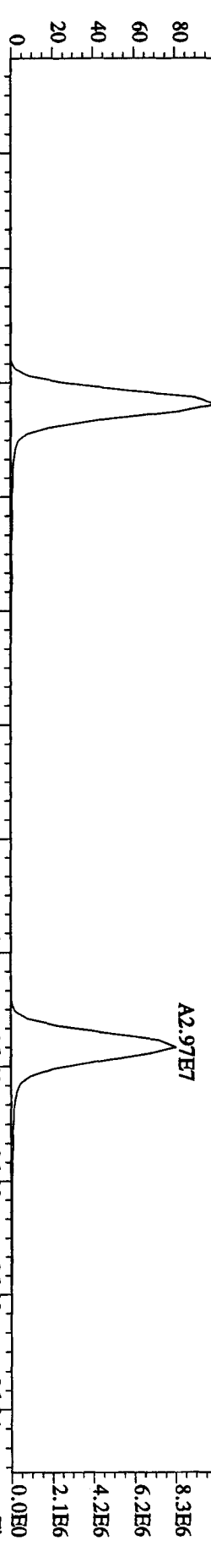




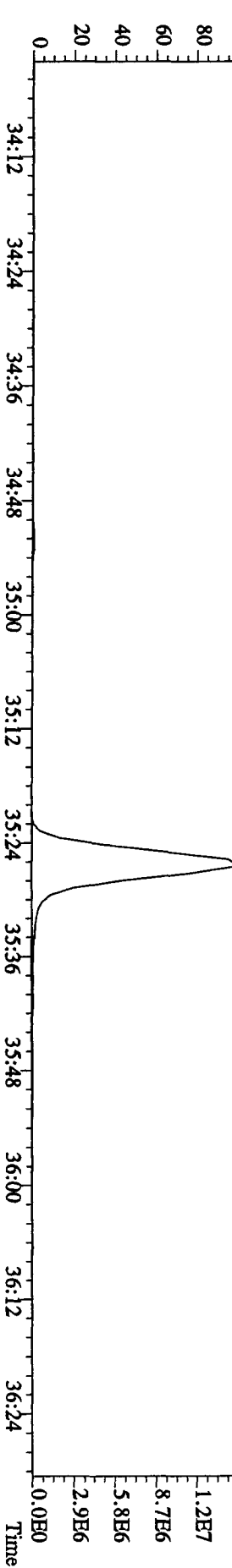
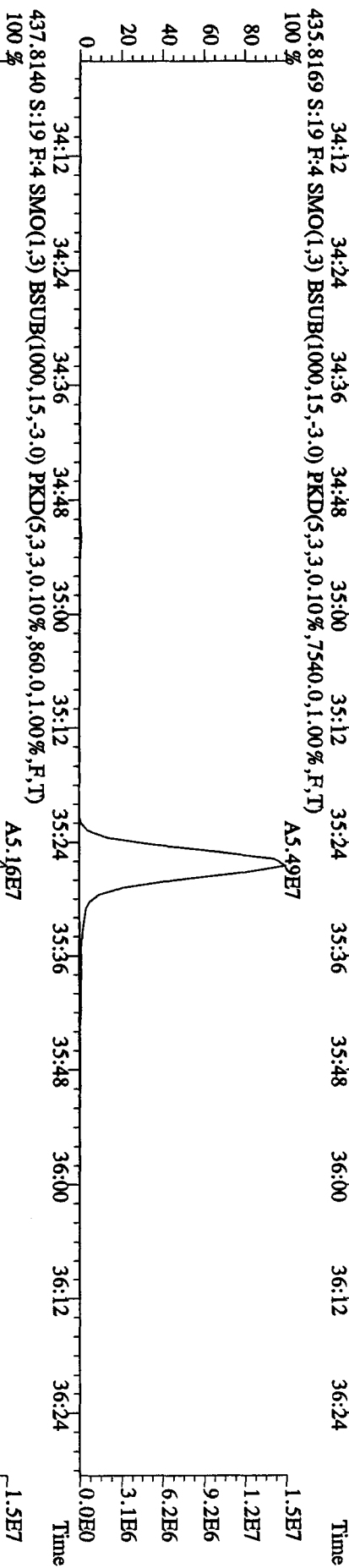
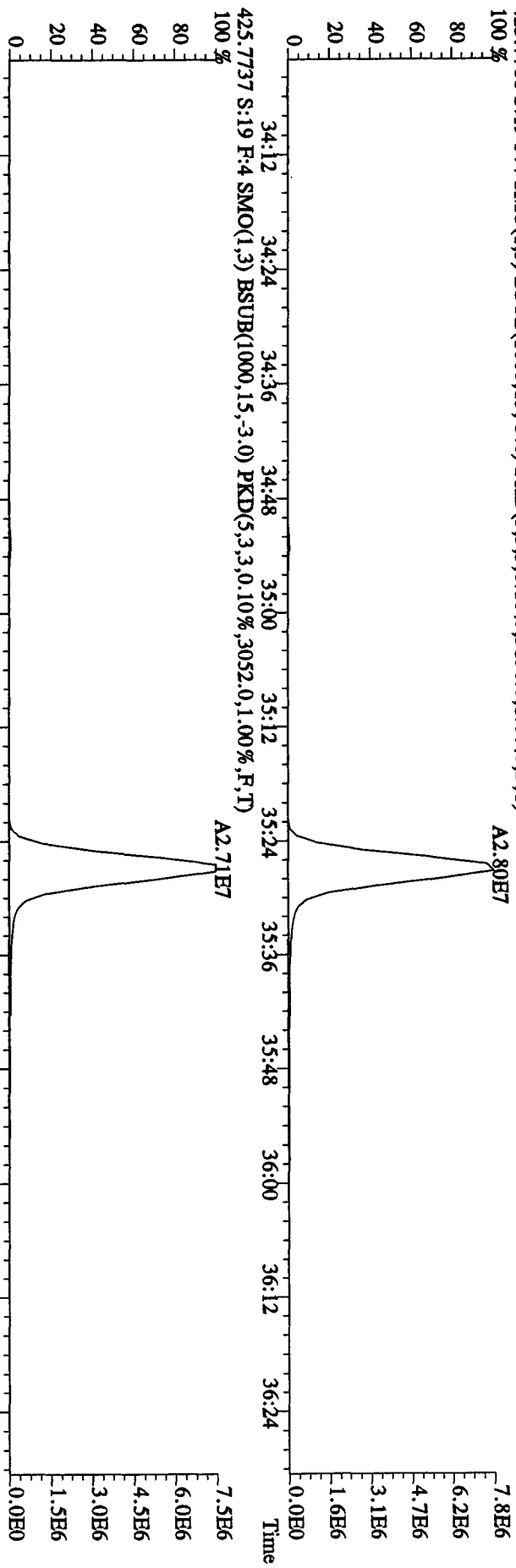
File:21AP10B4D5 #1-317 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A
 389.8157 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,648.0,1.00%,F,T)



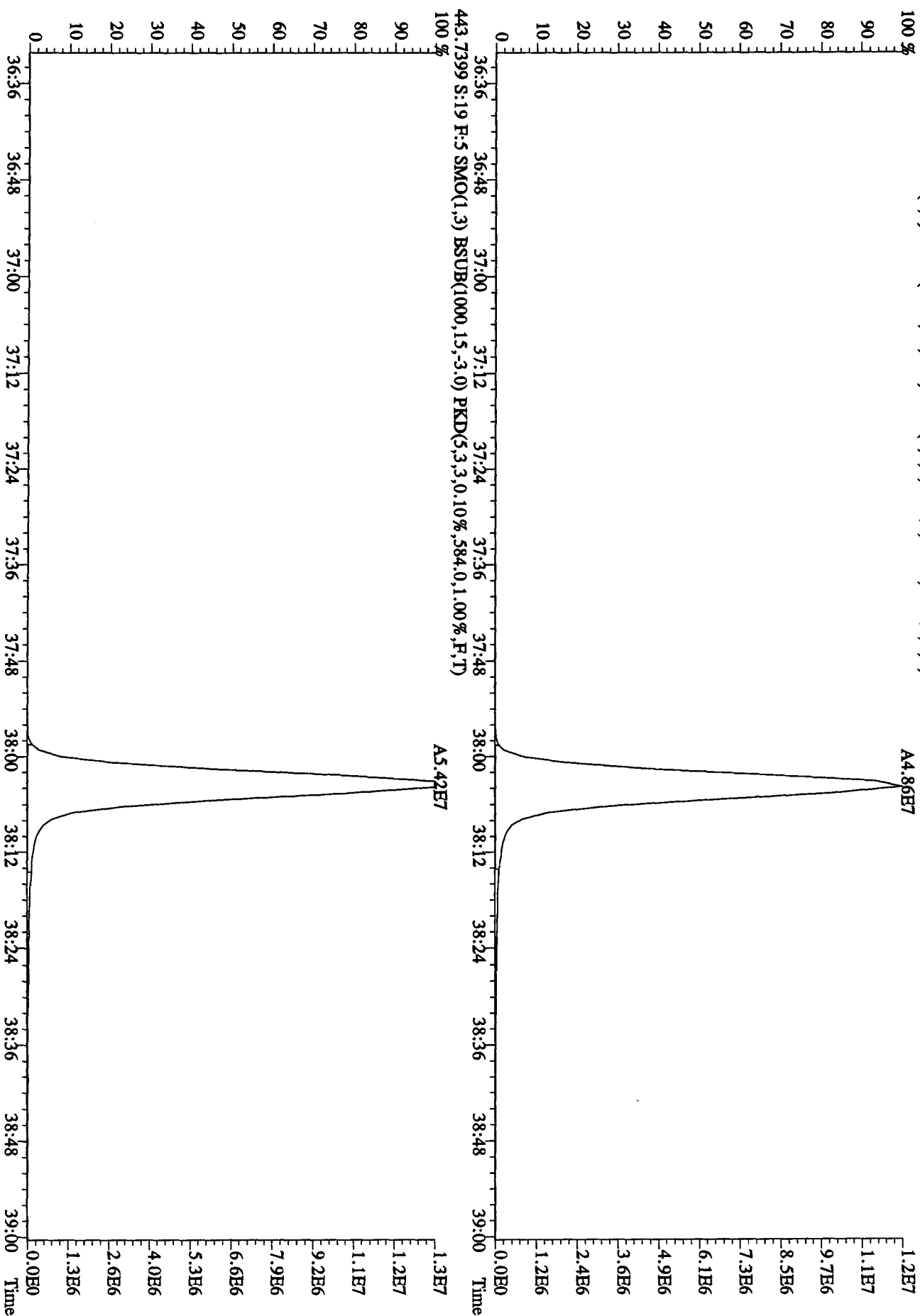
File:21AP10B4D5 #1-198 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A
 407.7818 S:19 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9188,0,1,00%,F,T)
 100 %



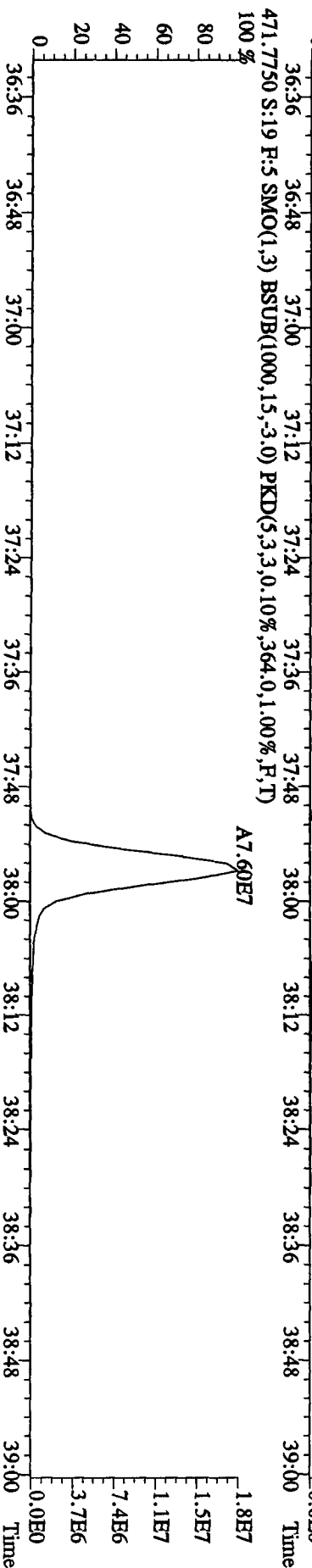
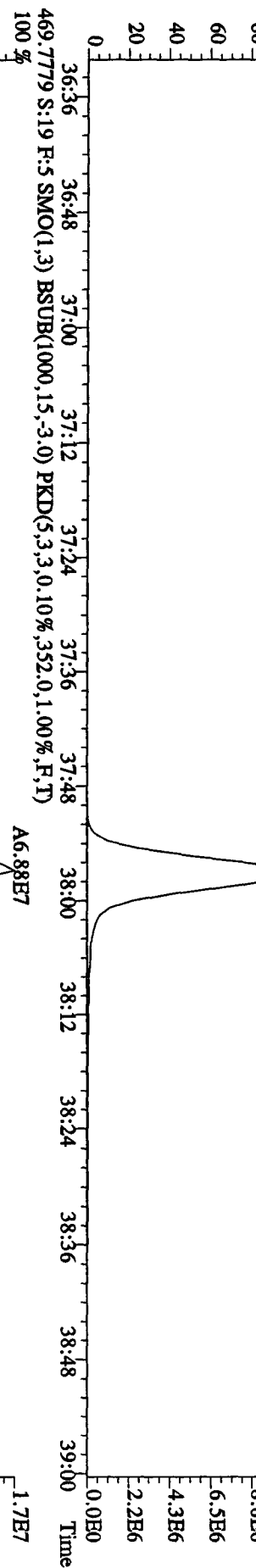
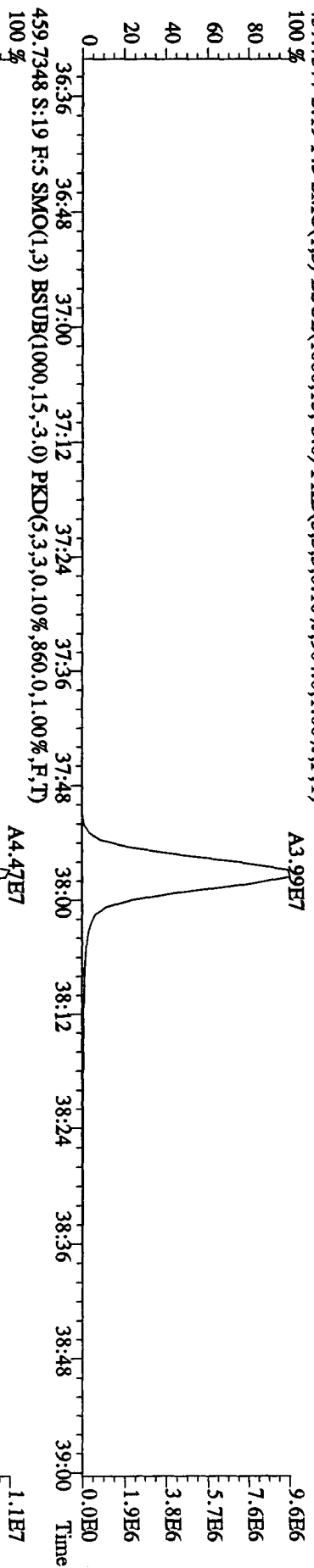
File:21AP10B4D5 #1-198 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-Ultimate
Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A
423.7766 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3156.0,1.00%,F,T)



File:21AP10B4D5 #1-190 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A
 441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,584.0,1.00%,F,T)
 100 %



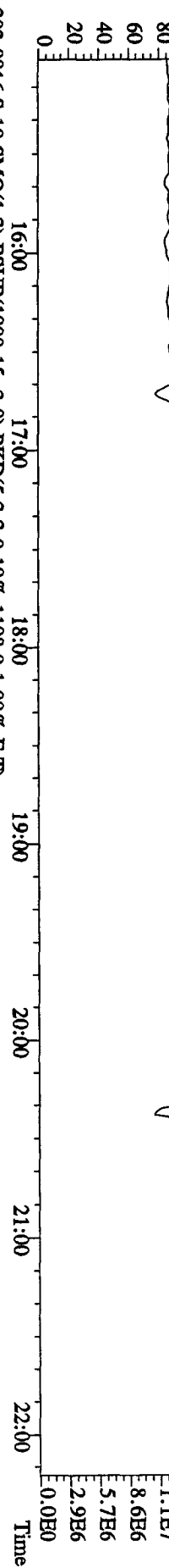
File:21AP10B4D5 #1-190 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#19 Text:ST0421C :CS3 10DDXN111 Exp:DIOXINRES8290A
 457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,904.0,1.00%,F,T)
 100 %



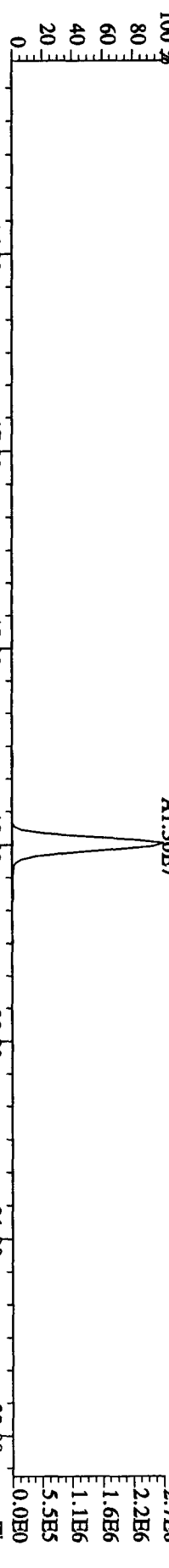
File:21AP10B4D5 #1-434 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaE

Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A

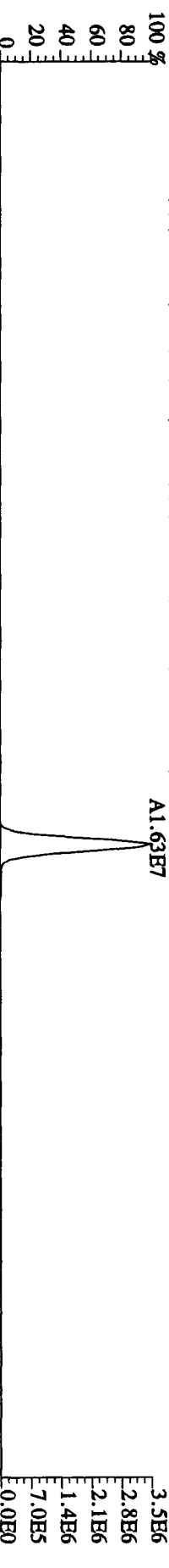
354.9792 S:19 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



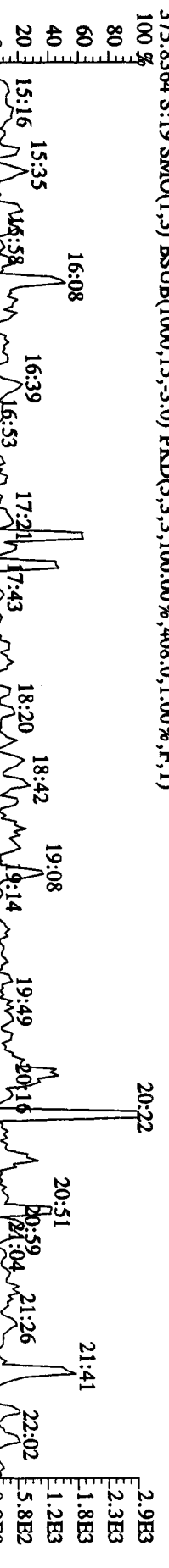
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.108,0,1.00%,F,T)



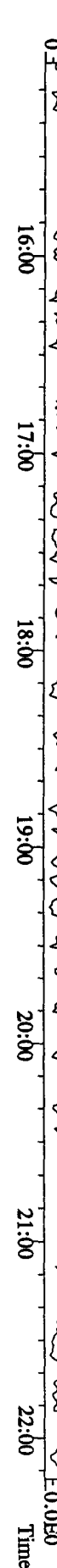
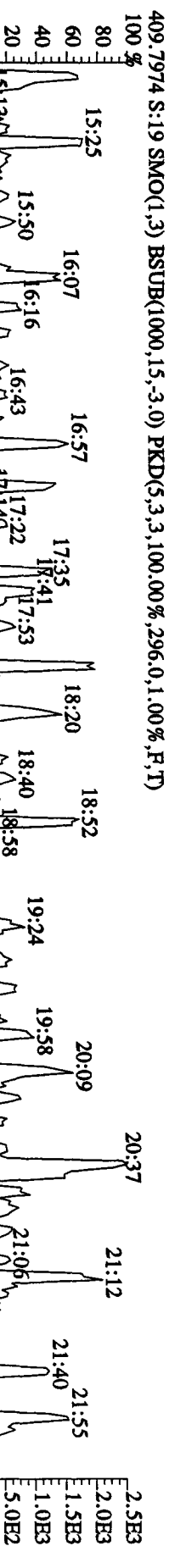
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.572,0,1.00%,F,T)



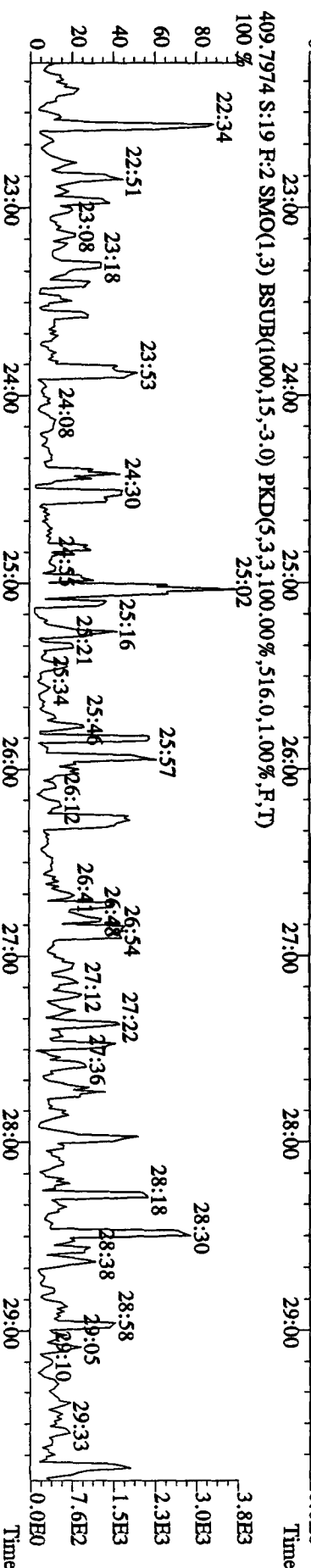
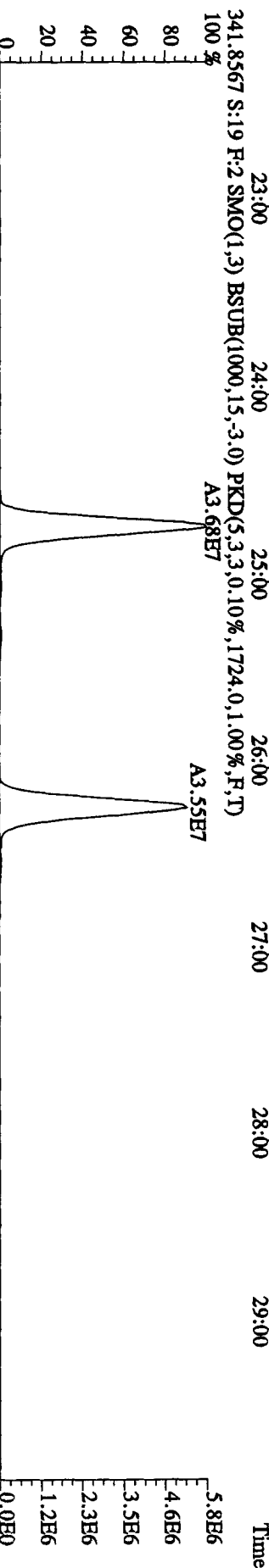
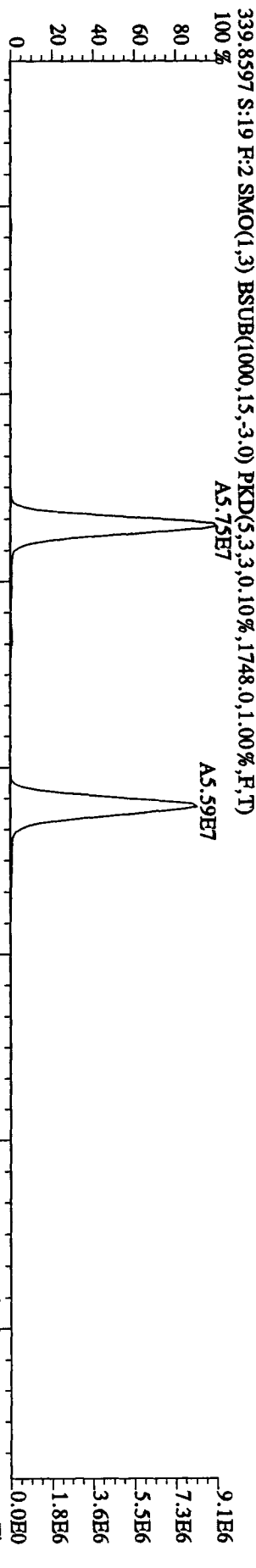
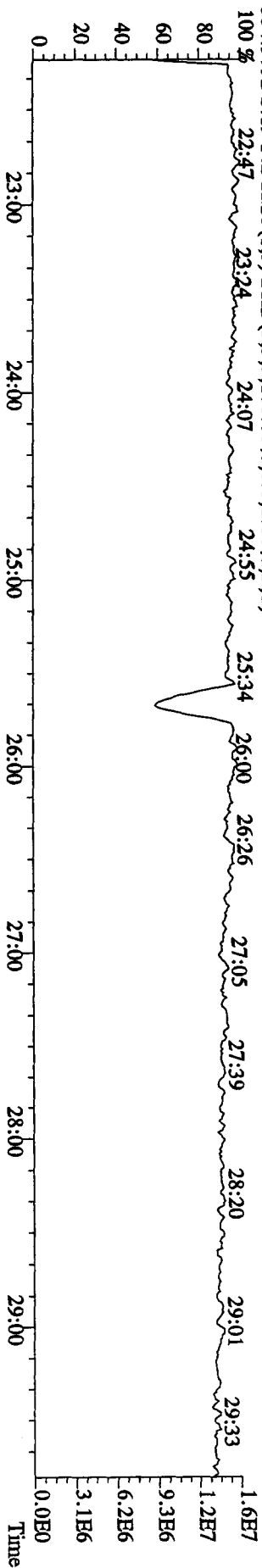
375.8364 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,408,0,1.00%,F,T)



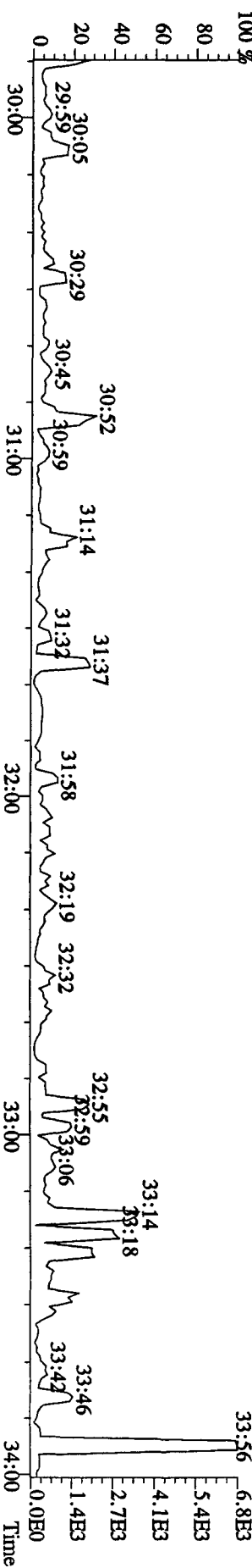
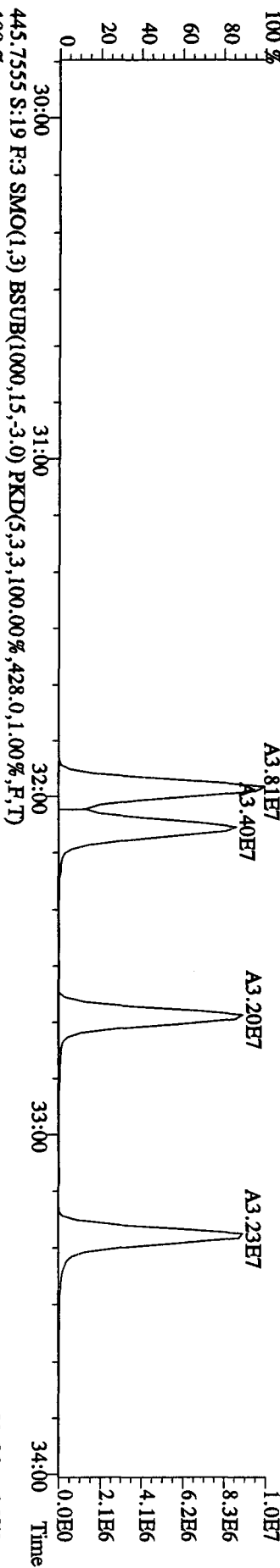
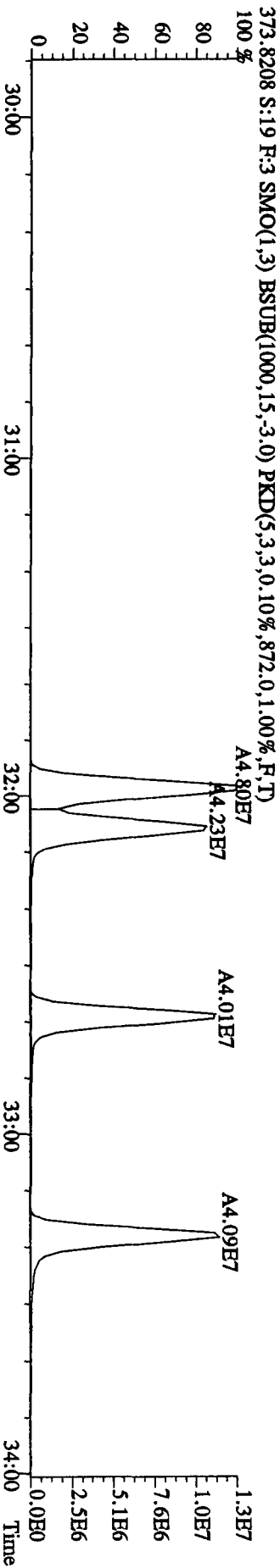
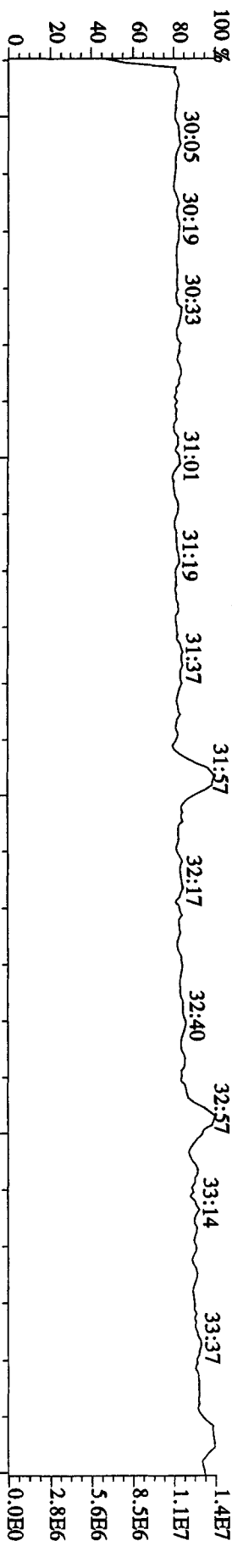
409.7974 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,296,0,1.00%,F,T)



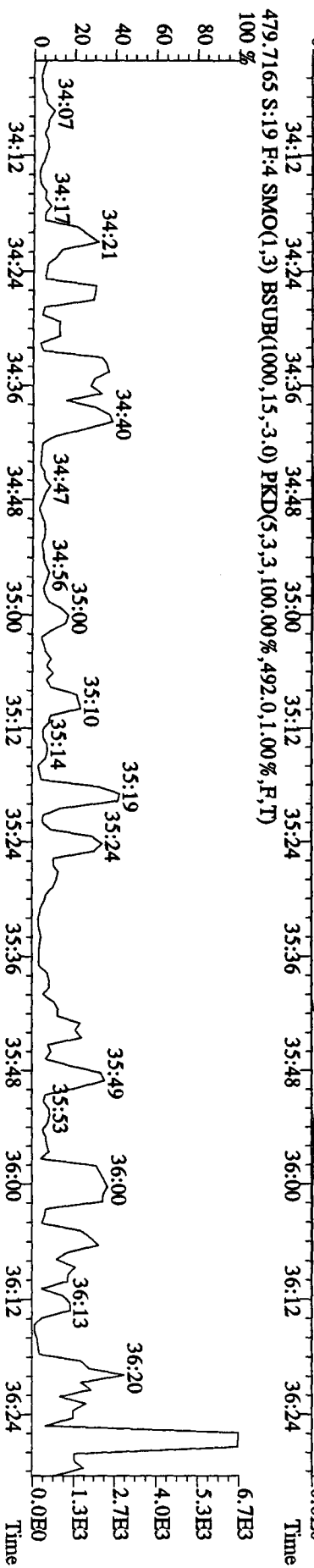
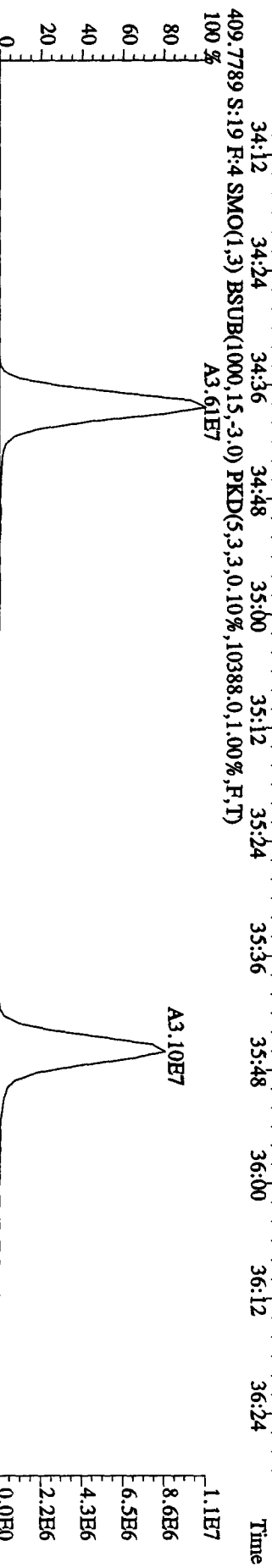
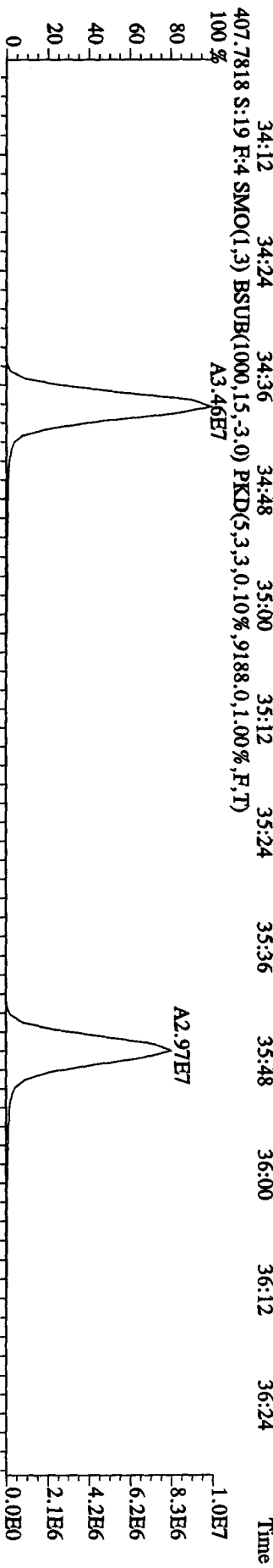
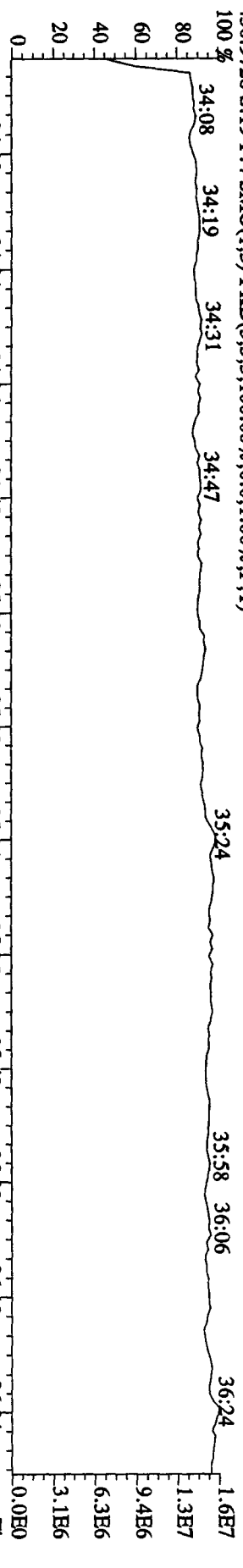
File:21API0BAD5 #1-604 Acq:22-APR-2010 10:18:47 GC EI + Voltage SIR Autospec-UltimaF
 Sample#19 Text:ST0421C :CS3 10DXN111 Exp:DIOXINRES8290A
 354.9792 S:19 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



File: 21AP10B4D5 #1-317 Acq: 22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#19 Text: ST0421C :CS3 10DXN111 Exp: DIOXINRES8290A

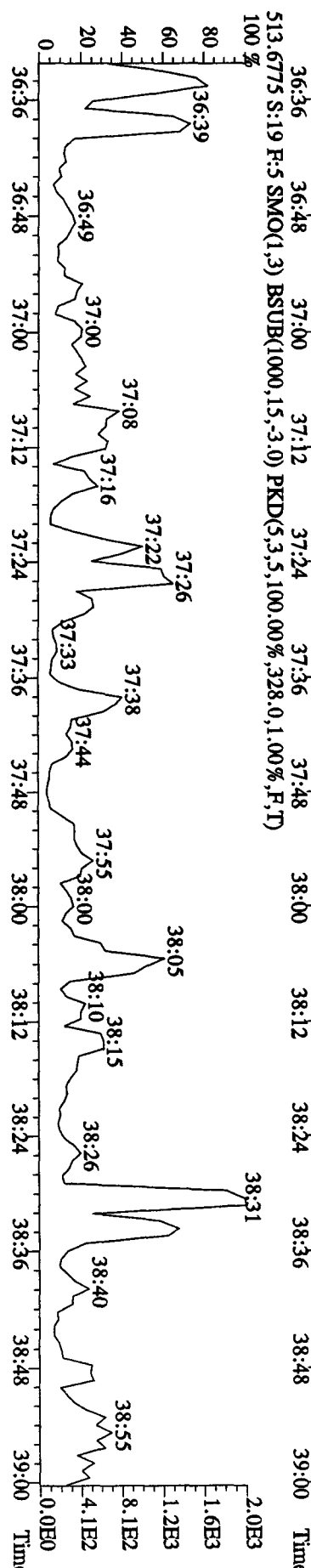
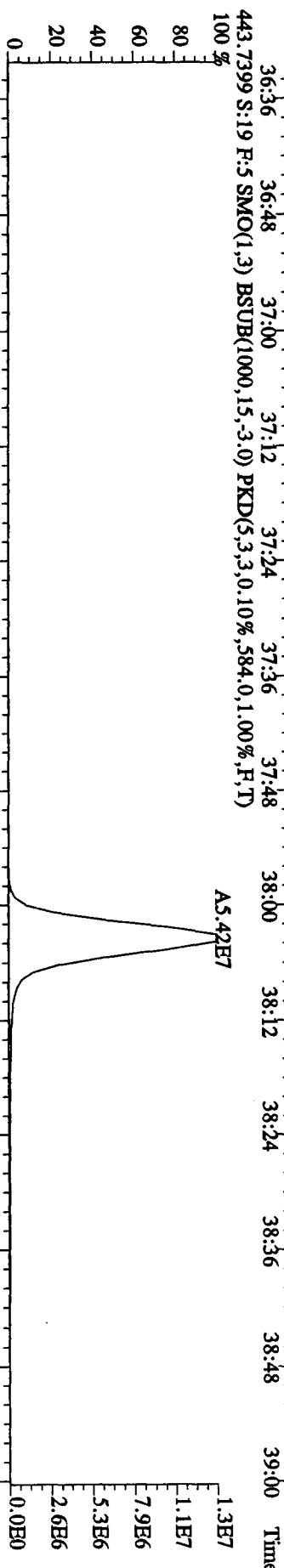
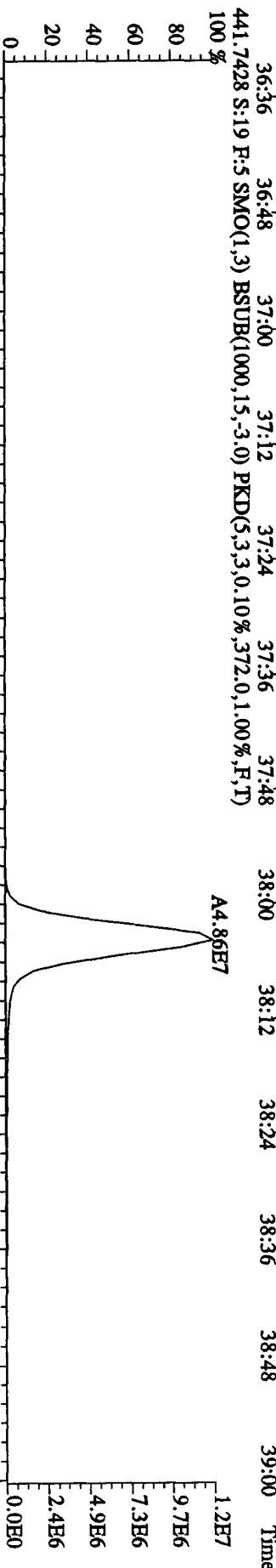
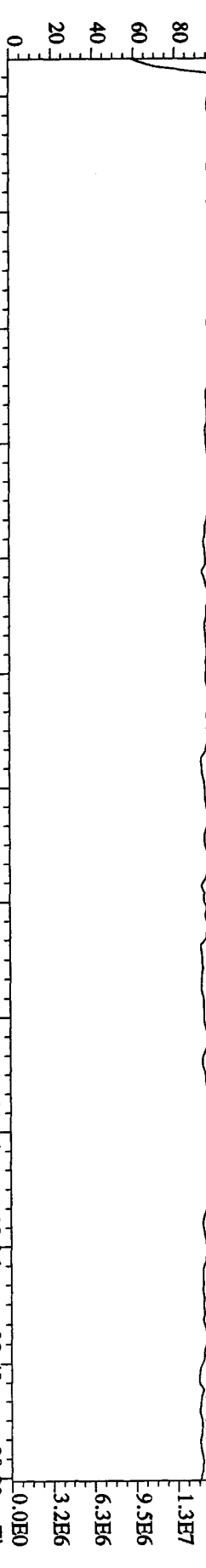


File: 21AP10B4D5 #1-198 Acq: 22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#19 Text: ST0421C :CS3 10DXN111 Exp: DIOXINRES8290A
 430.9728 S:19 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

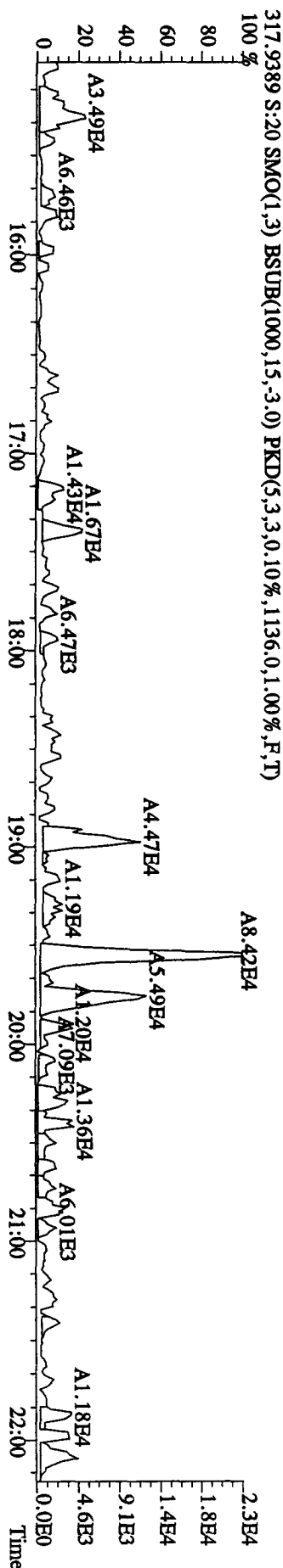
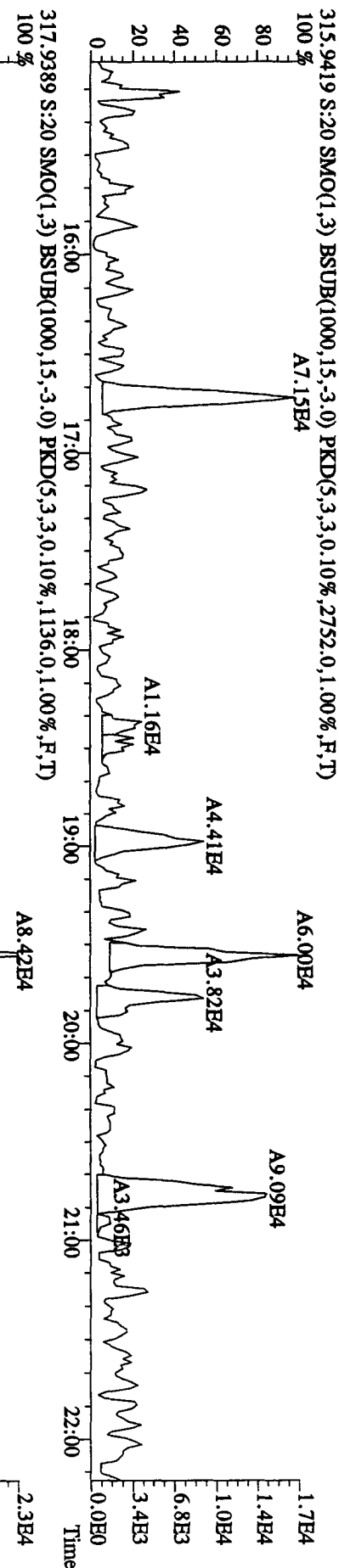
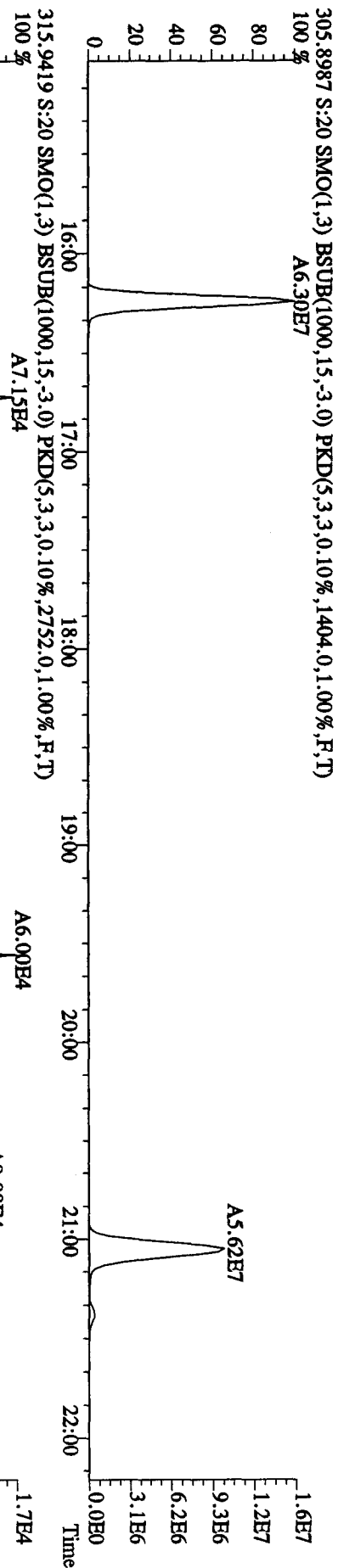
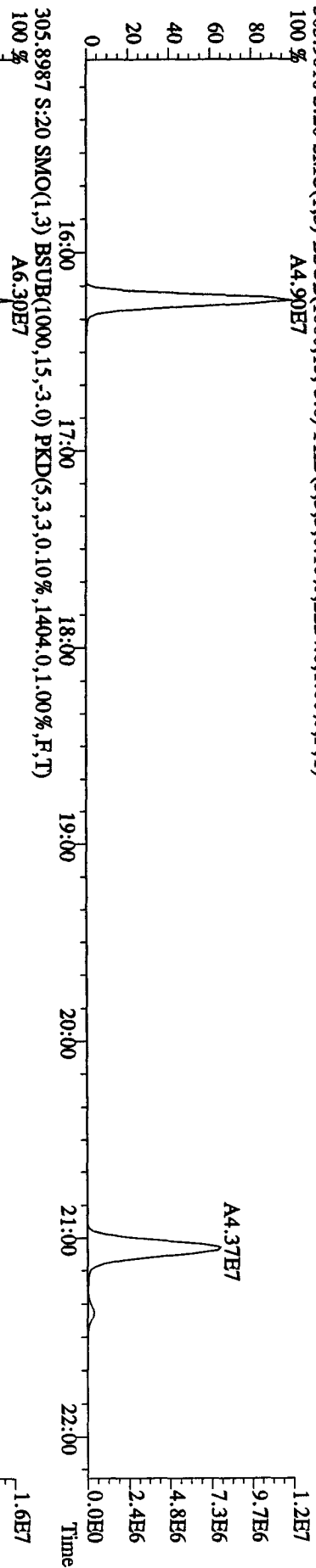


File:21AP10BAD5 #1-190 Acq:22-APR-2010 10:18:47 GC EI+ Voltage SIR Autospec-UltimaB

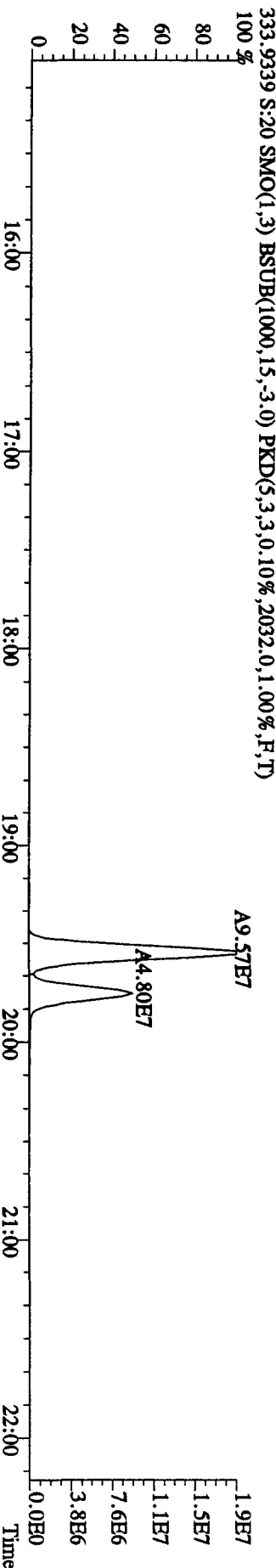
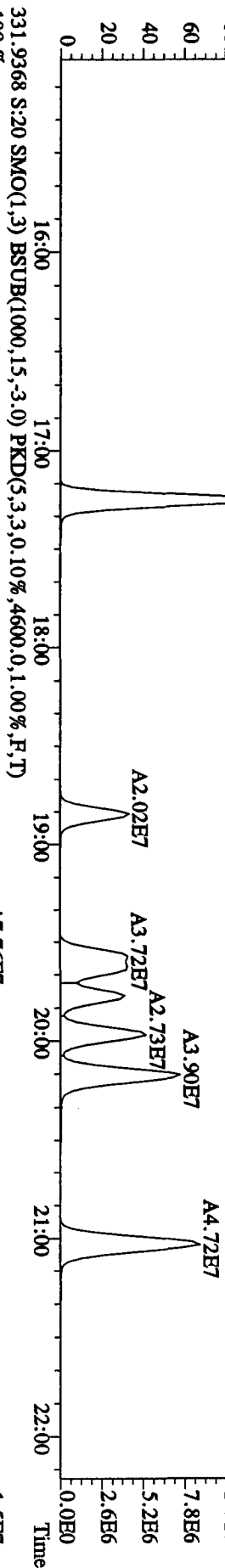
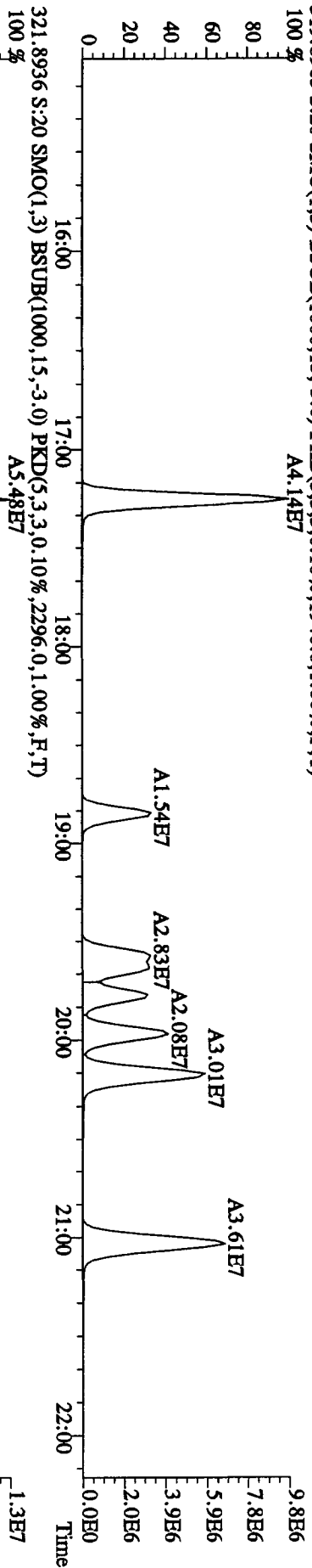
Sample#19 Text:ST0421C :CS3 10DDXN111 Exp:DIOXINRES8290A



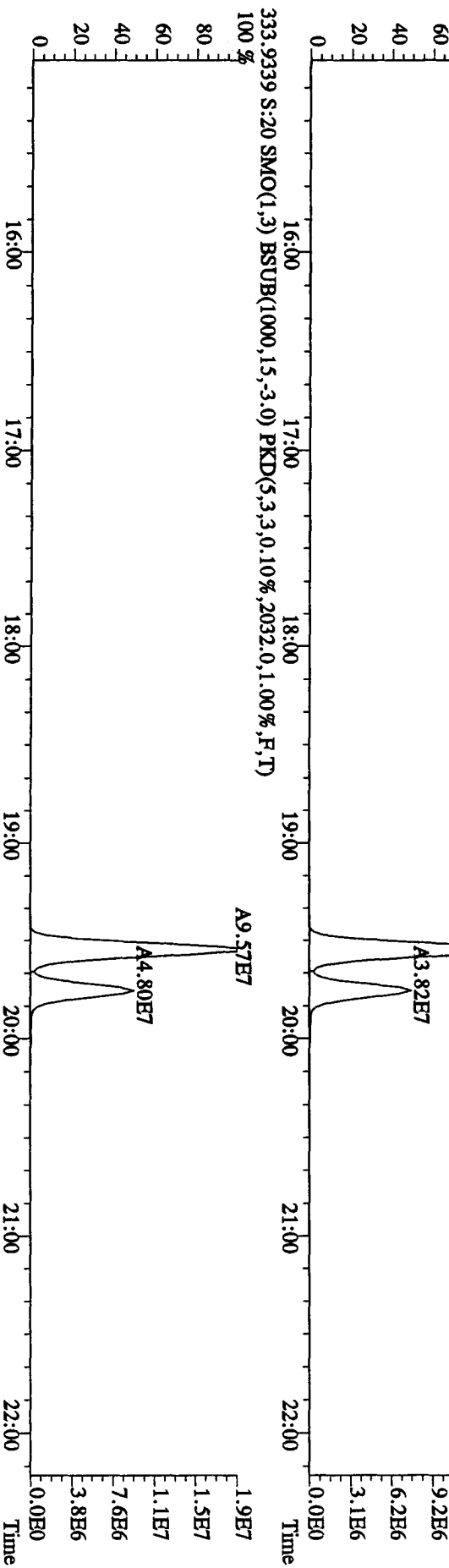
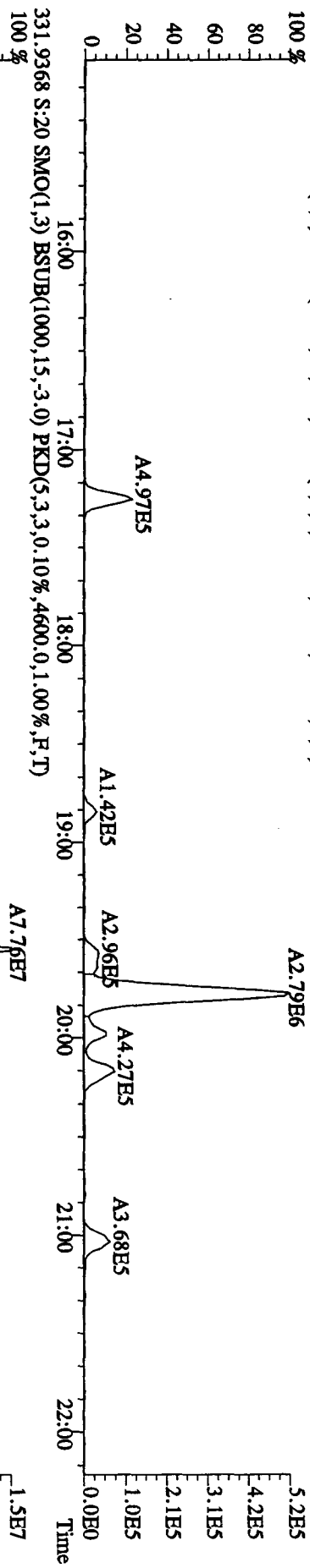
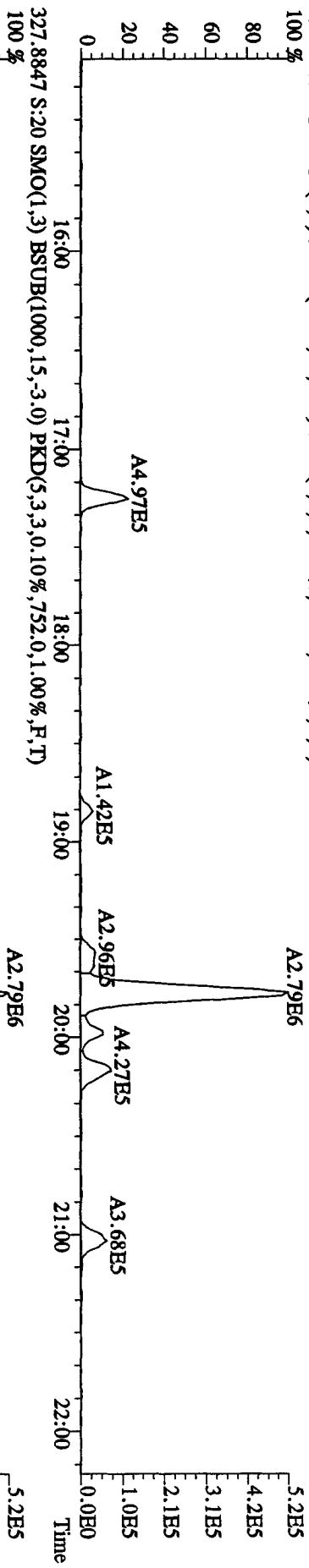
File:21API084D5 #1-434 Acq:22-APR-2010 11:02:50 GC EI + Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0421B :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2224.0,1.00%,F,T)
 100% A4.90E7



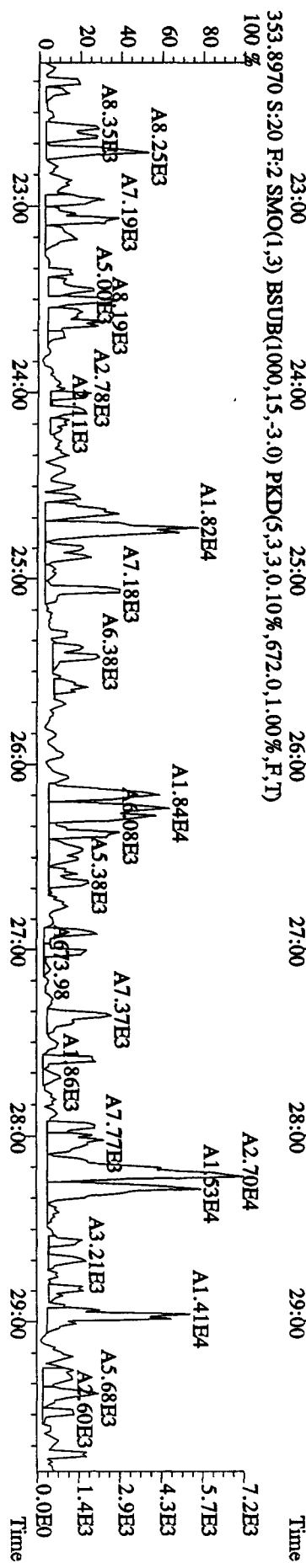
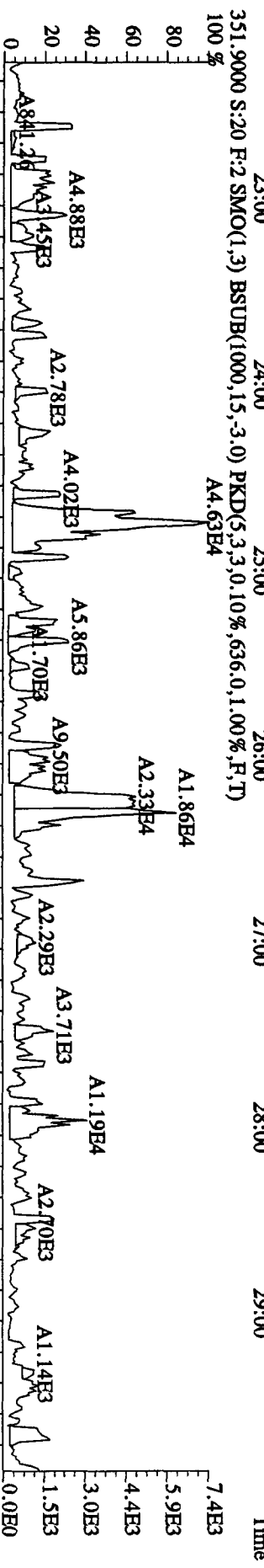
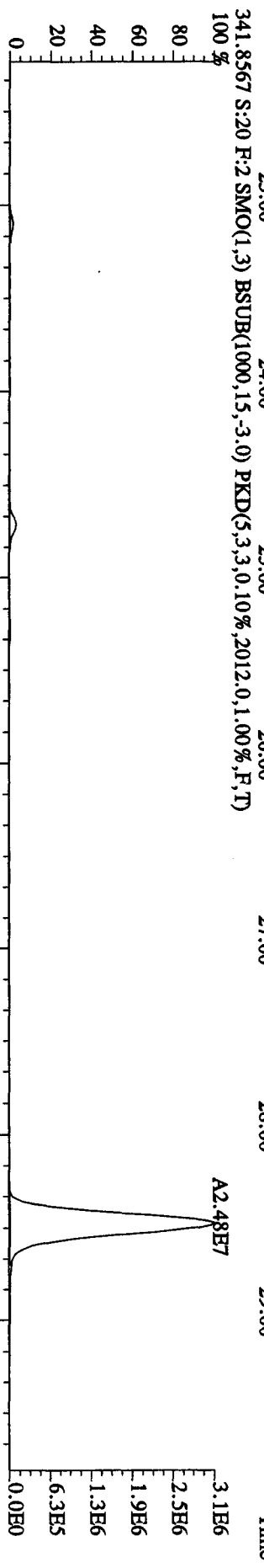
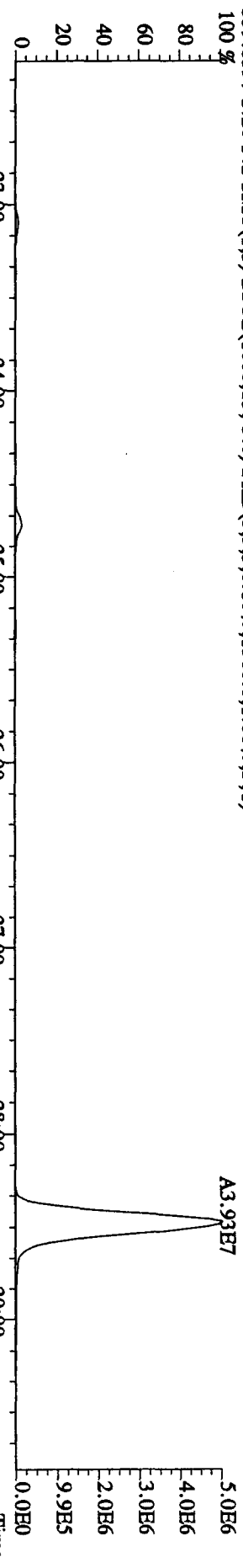
File:21AP10B4D5 #1-434 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 319.8965 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1940.0,1.00%,F,T)
 100 % A4.14E7



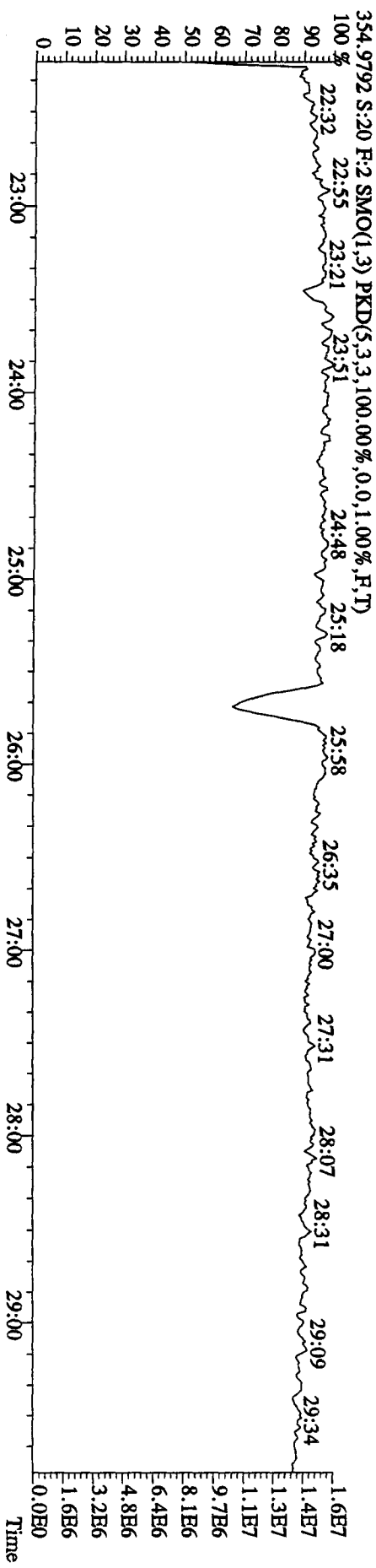
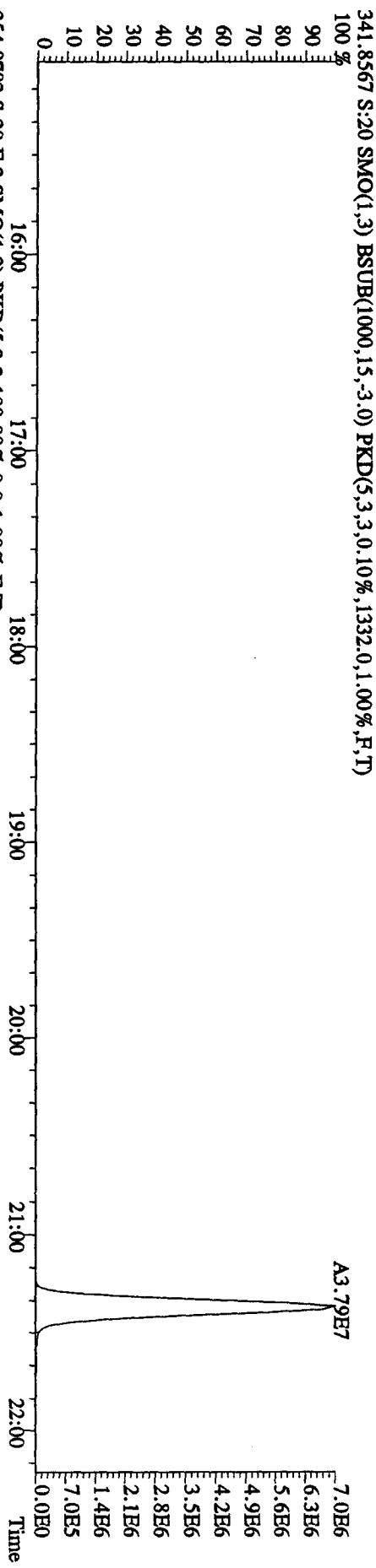
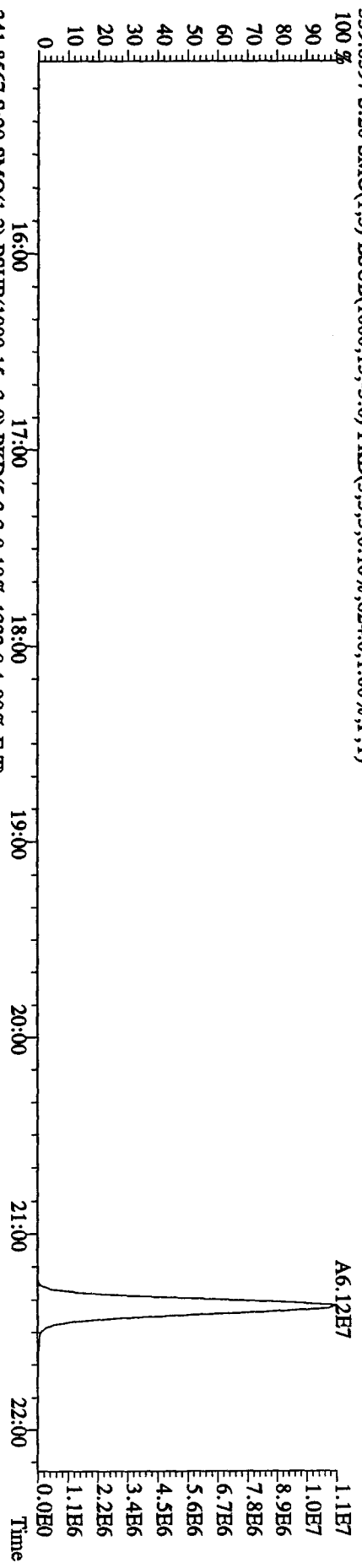
File:21API10B4D5 #1-434 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CFSM 3732-05 Exp:DIOXINRES8290A
 327.8847 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,752.0,1.00%,F,T)



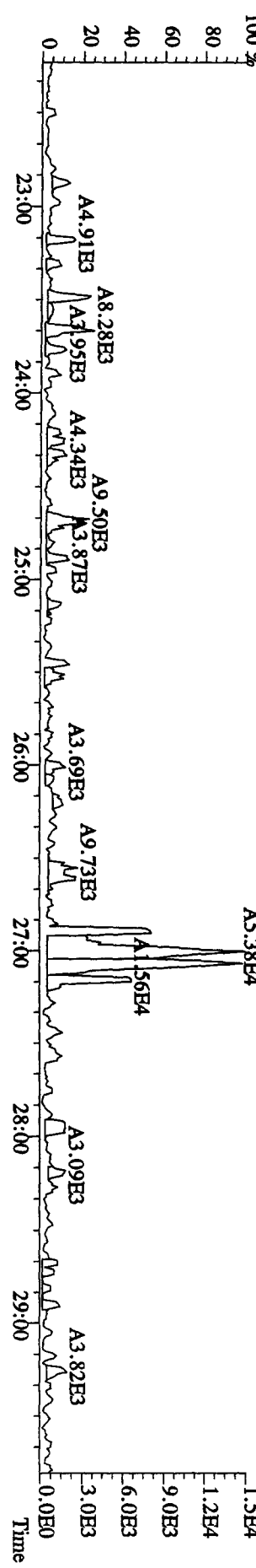
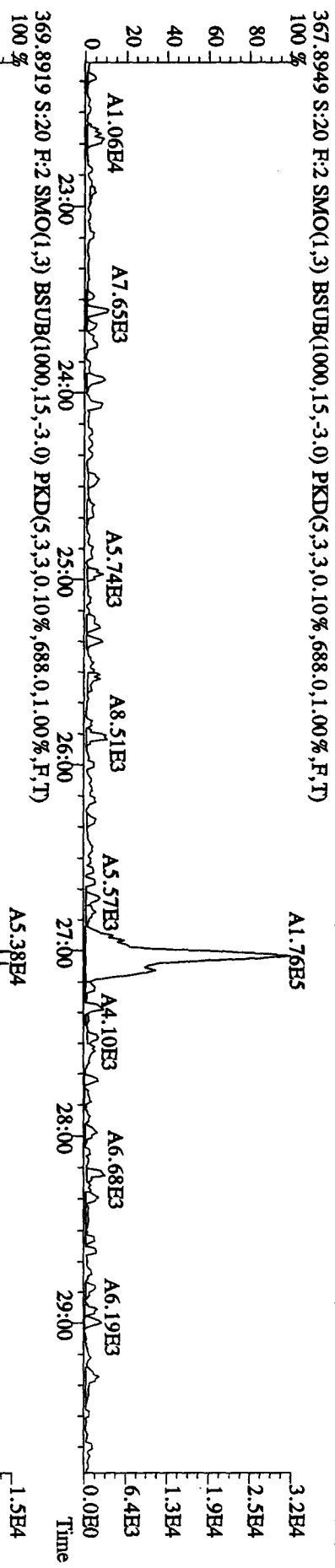
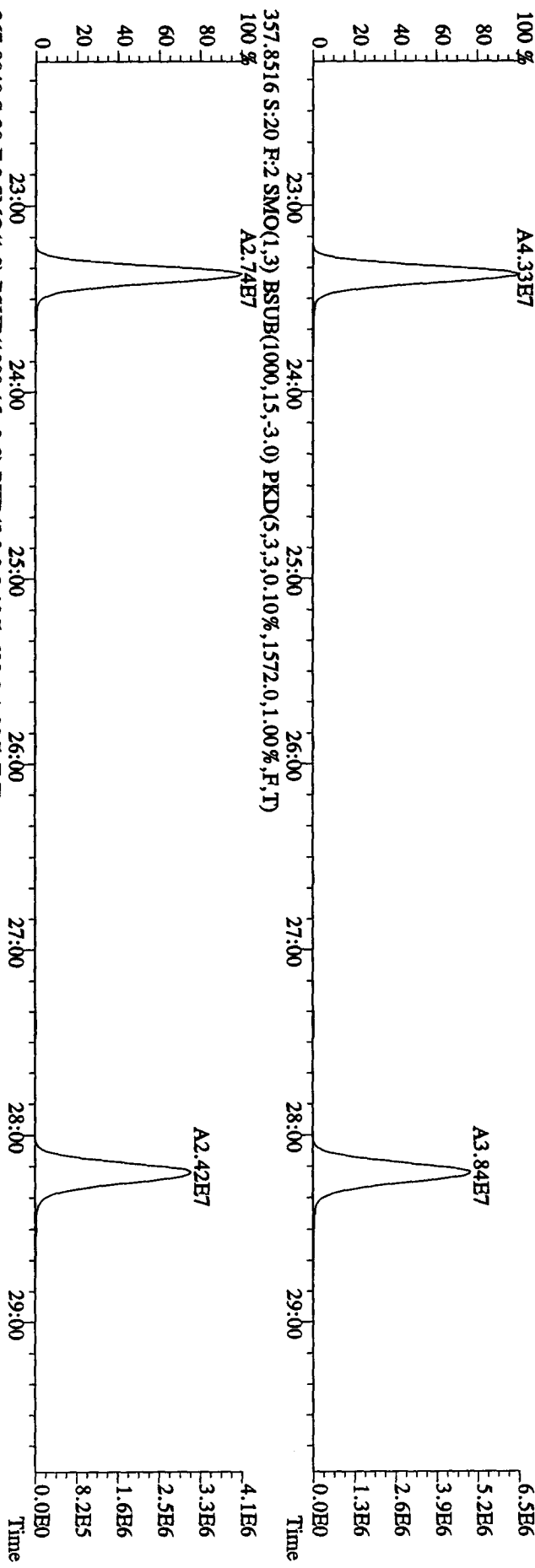
File:21AP10B4D5 #1-604 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1560,0,1,00%,F,T)
 100 %



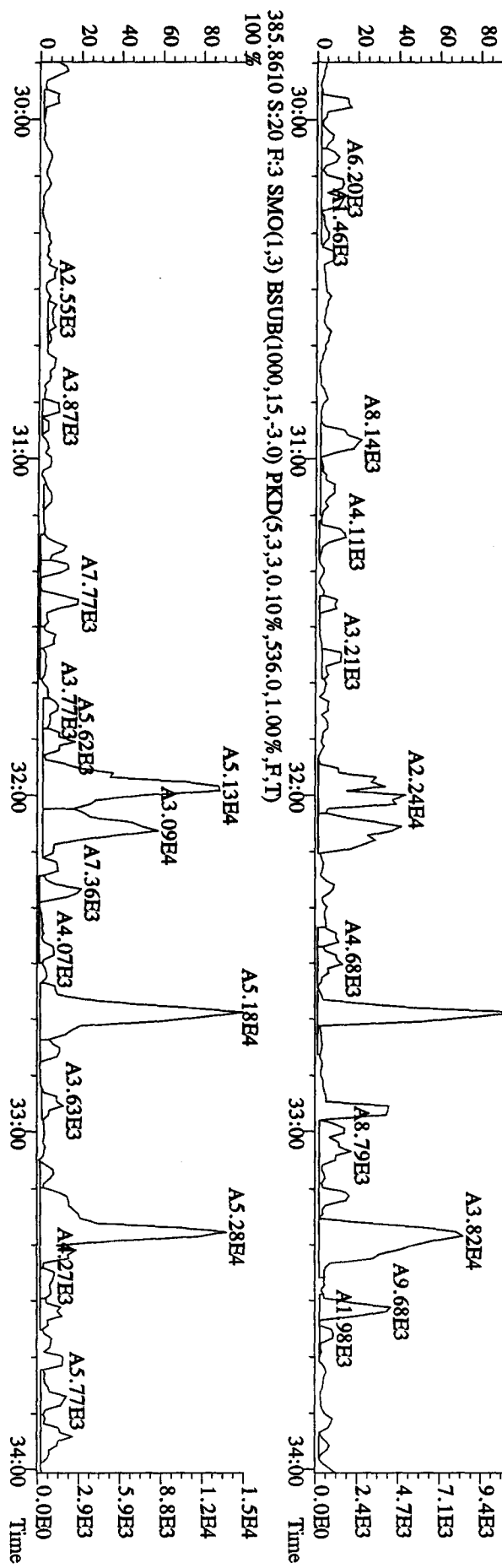
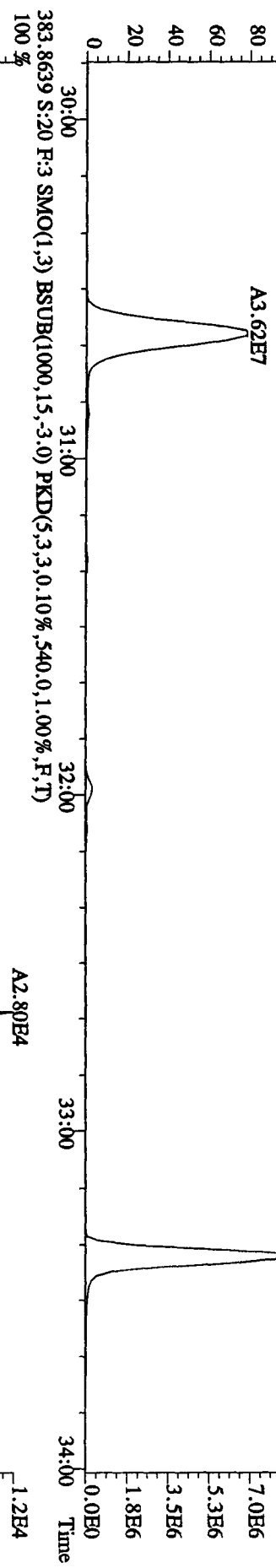
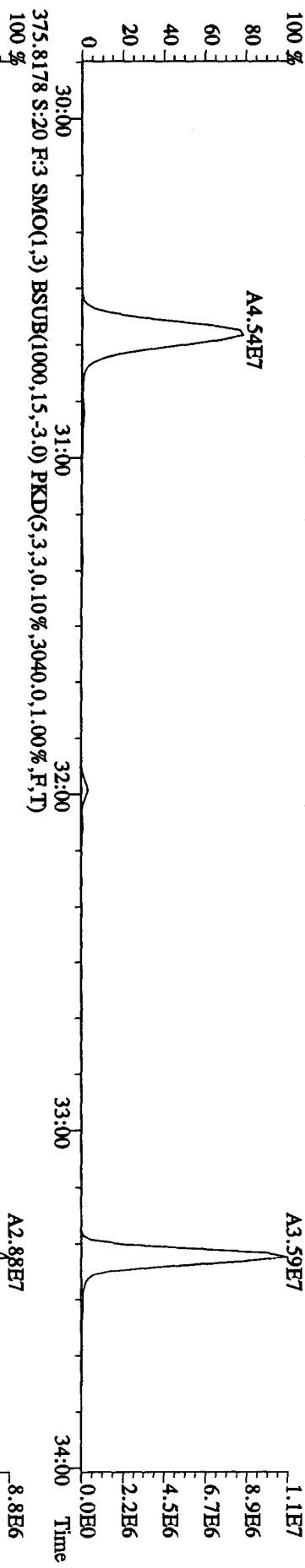
File:21API0B4D5 #1-434 Acq:22-APR-2010 11:02:50 GC EI+ Voltage S1R Autospec-UltimaE
 Sample#20 Text:CP0421B :DB-5 CP5M 3732-05 Exp:DI0XINRES8290A
 339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,824.0,1.00%,F,T)



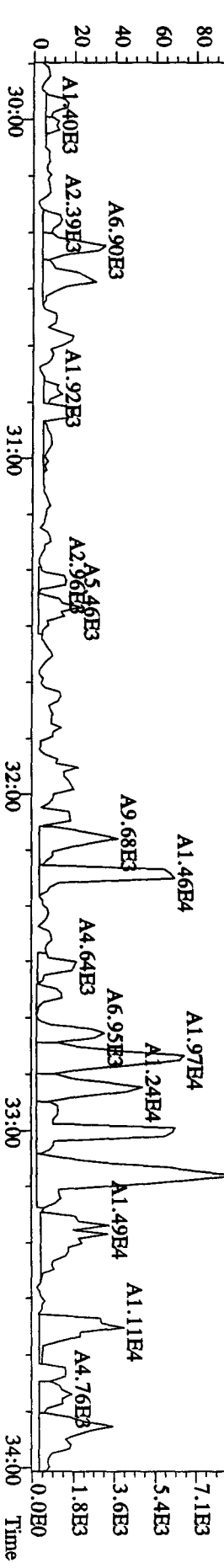
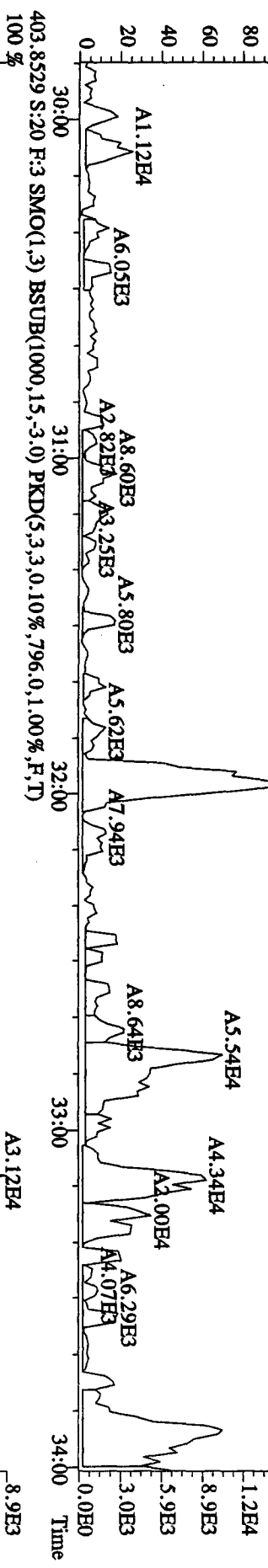
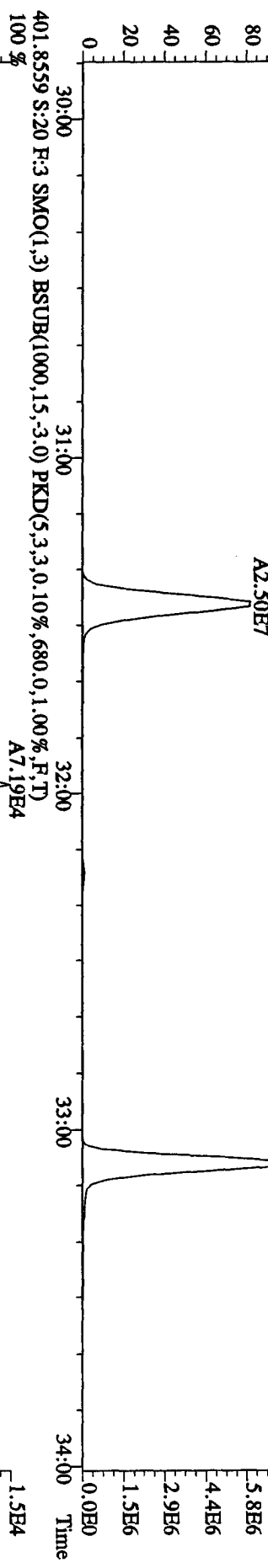
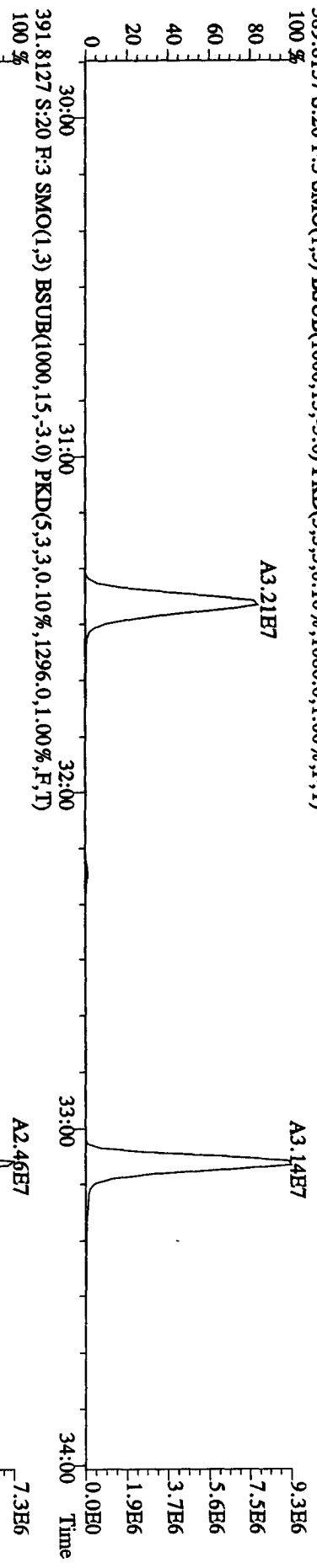
File: 21AP10B4D5 #1-604 Acq: 22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-UltimaB
 Sample# 20 Text: CP0421B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2456,0.1,00%,F,T)
 100% A4.33E7



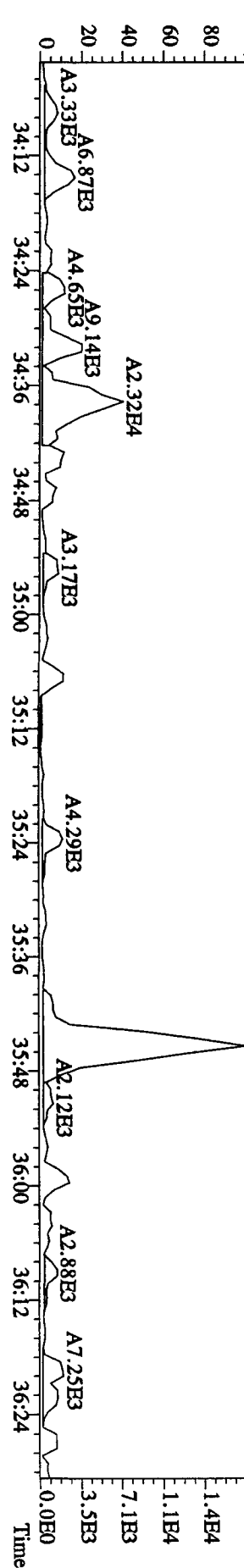
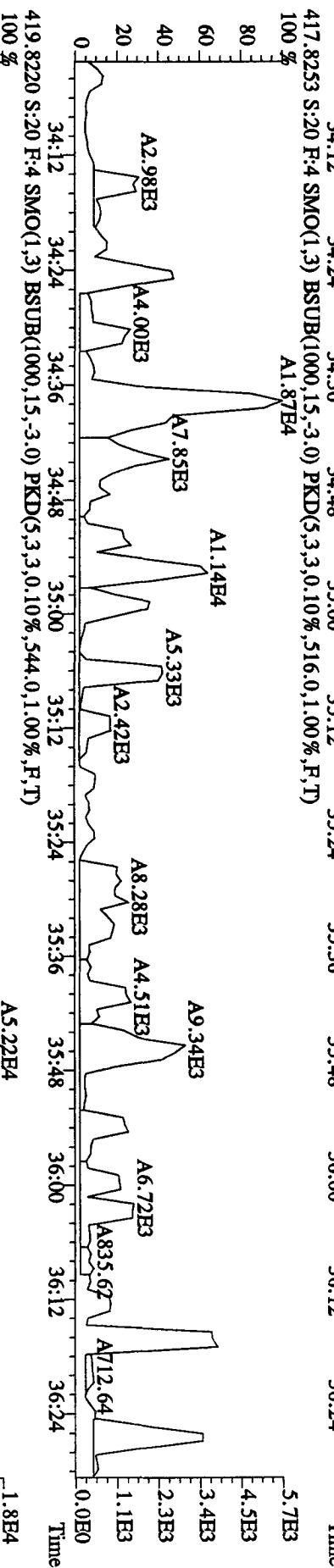
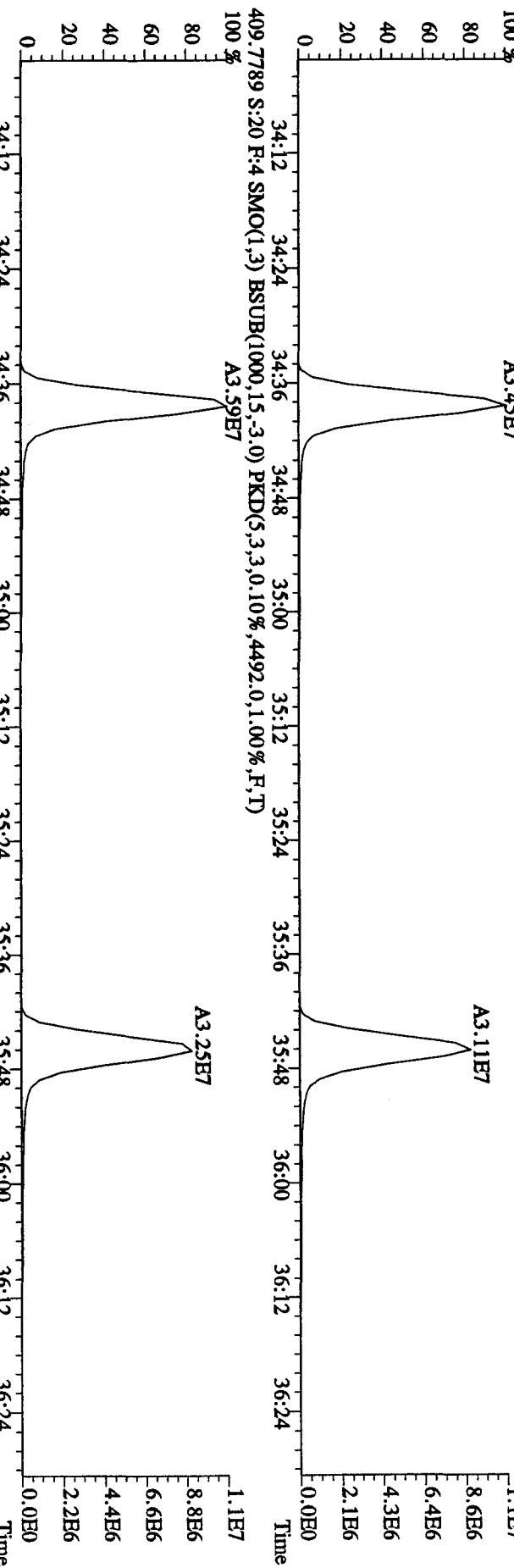
File:21AP10B4D5 #1-317 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1936,0,1.00%,F,T) 100%



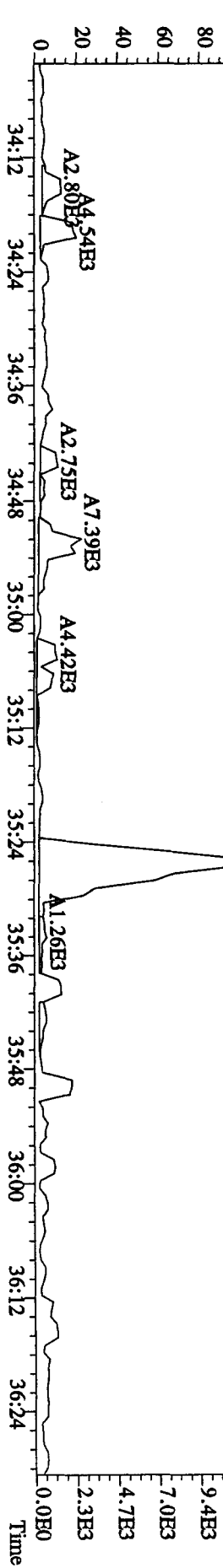
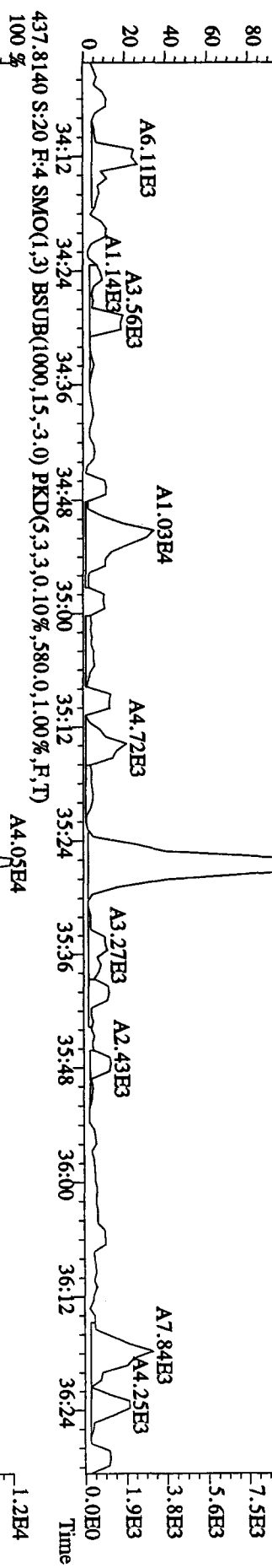
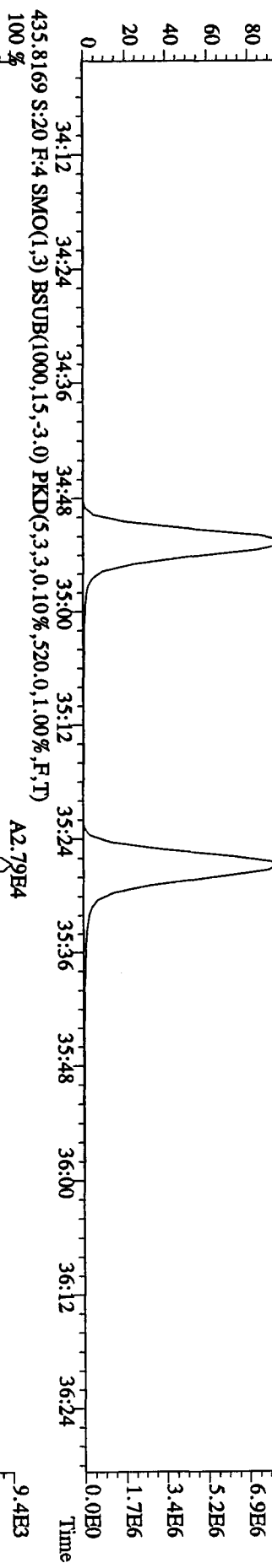
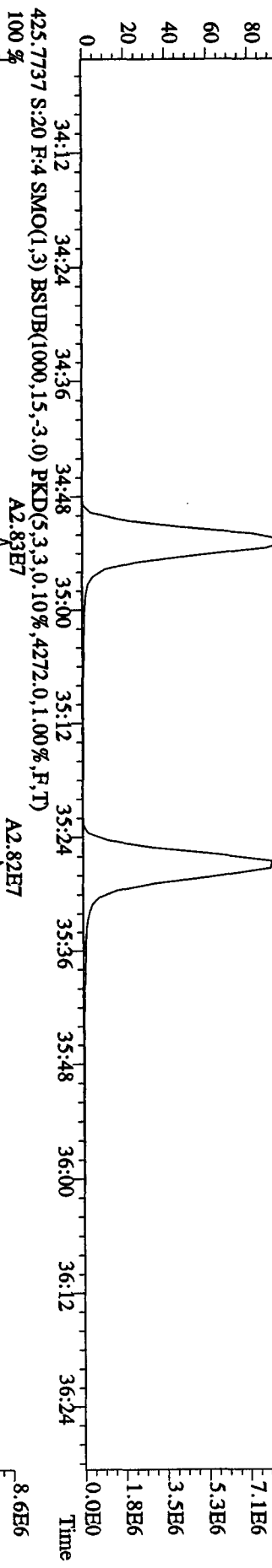
File:21AP10B4D5 #1-317 Acq:22-APR-2010 11:02:50 GC EI+ Voltage:51R Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CFSM 3732-05 Exp:DIOXINRES8290A
 389.8157 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1080.0,1.00%,F,T)



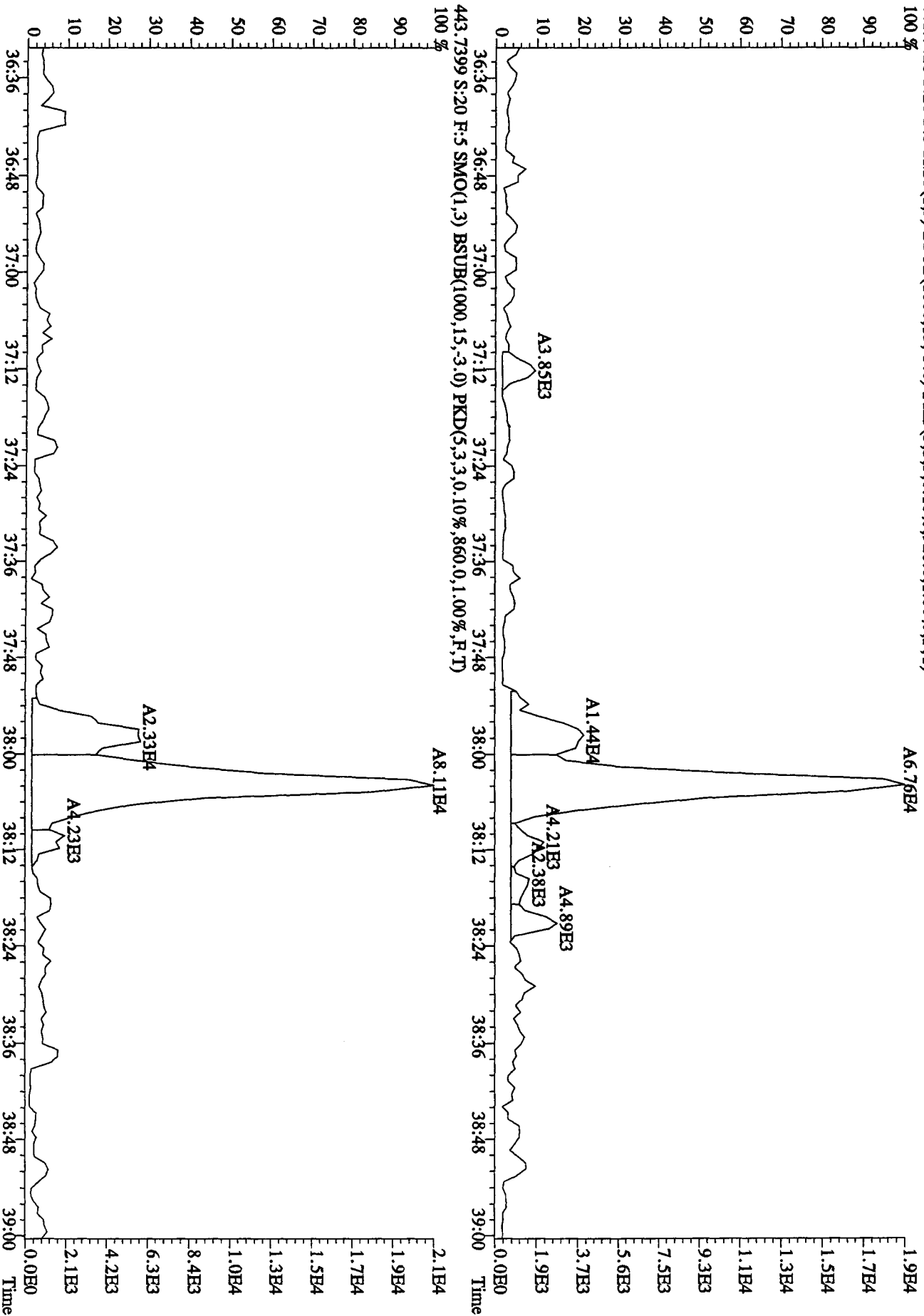
File: 21AP10B4D5 #1-198 Acq: 22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample# 20 Text: CP0421B :DB-5 CPMS 3732-05 Exp: DIOXINRES8290A
 407.7818 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3544.0,1.00%,F,T)



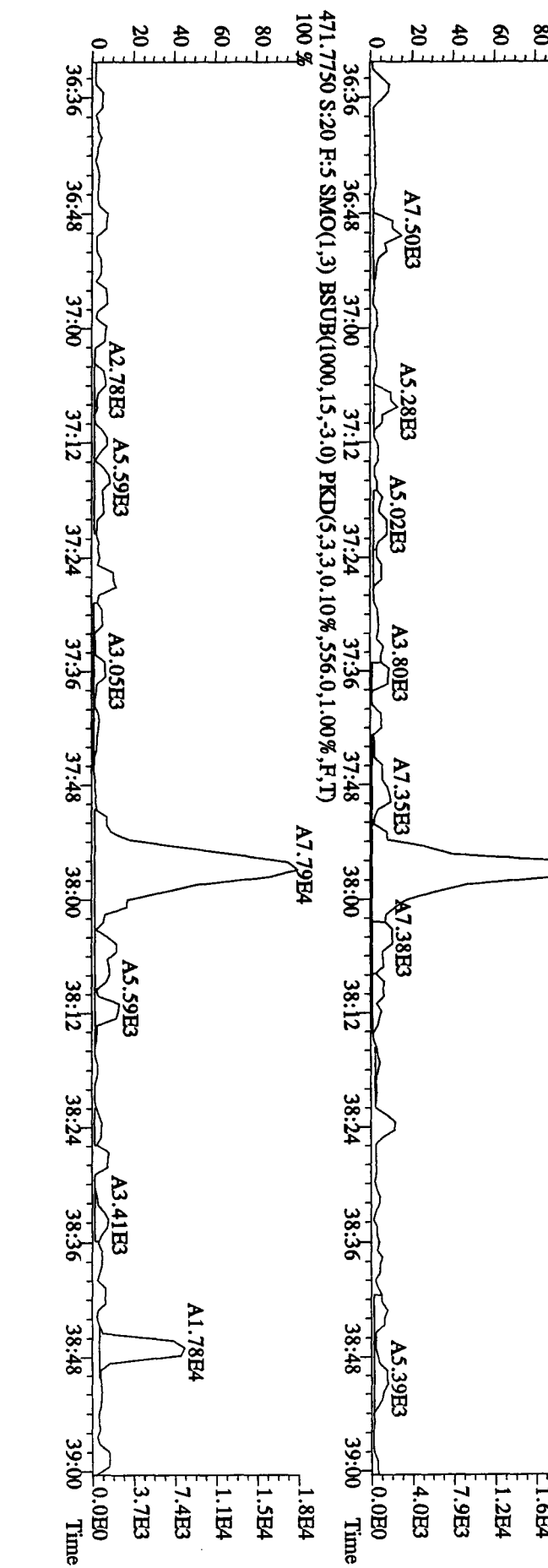
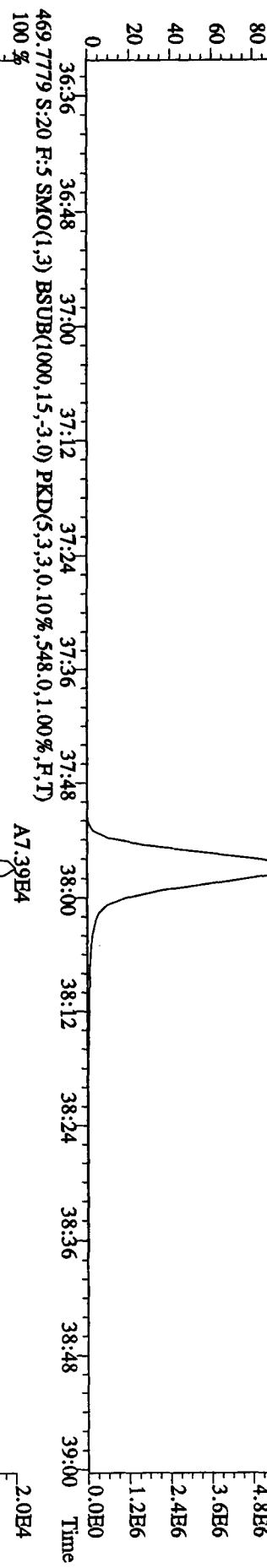
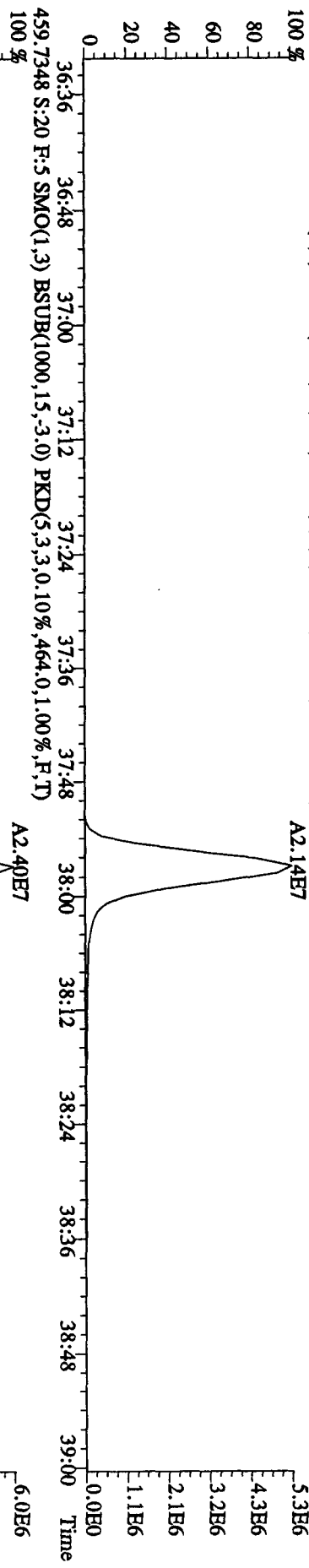
File:21AP10B4D5 #1-198 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 423.7766 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)



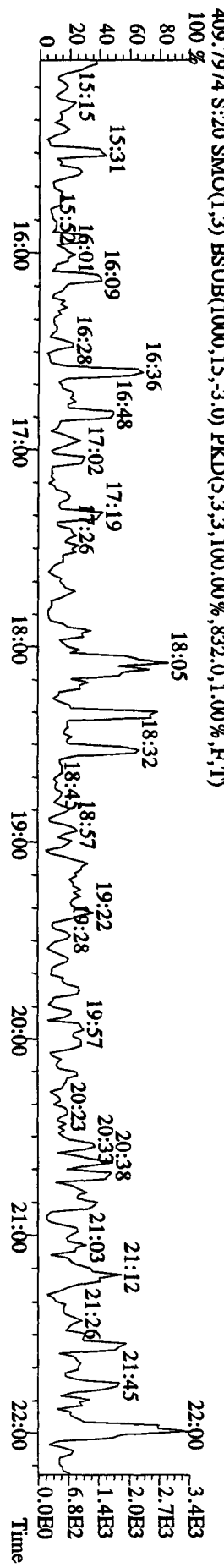
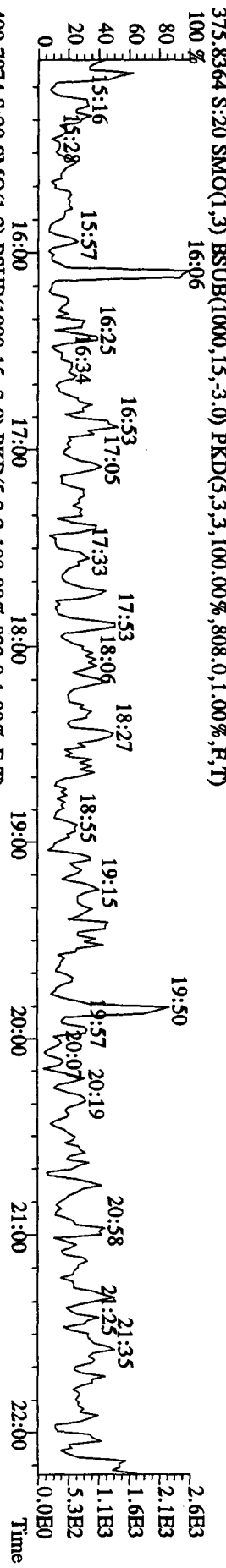
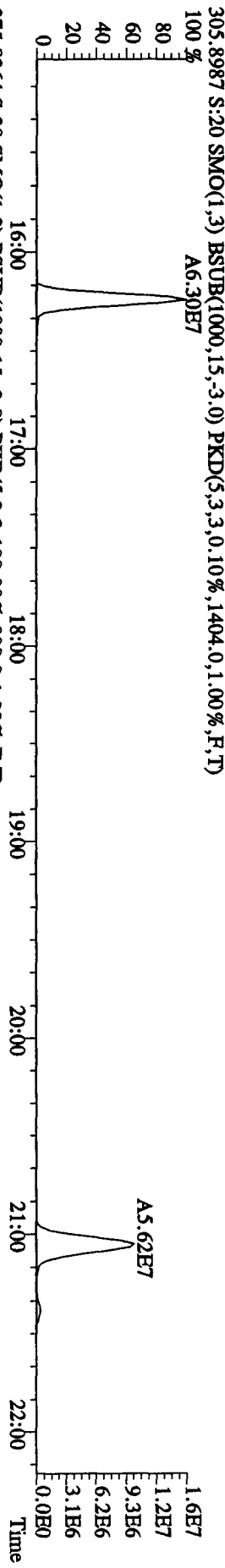
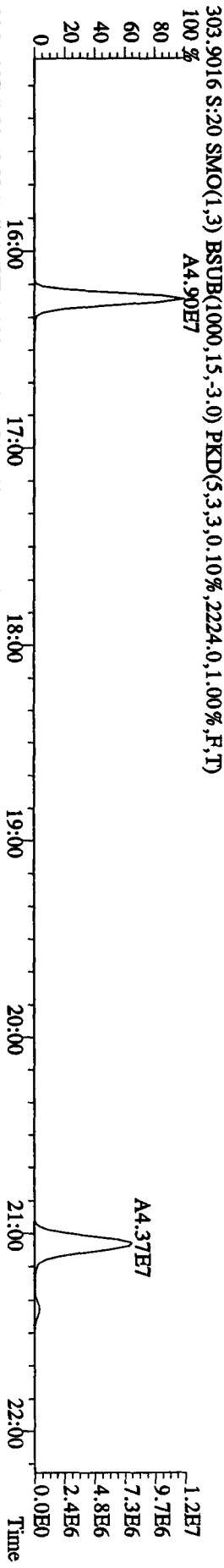
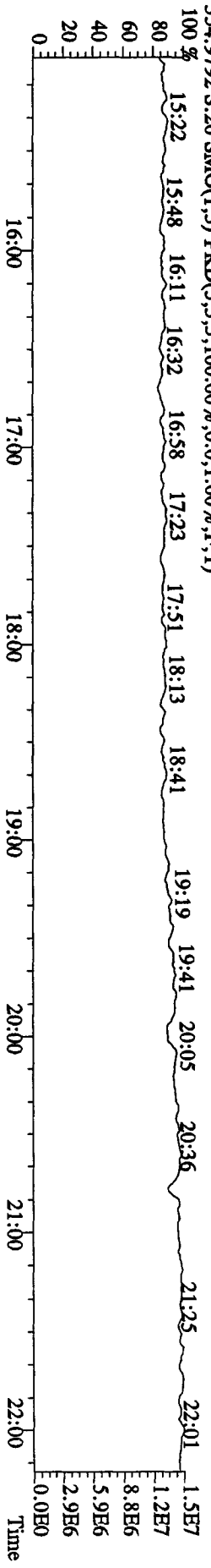
File:21AP10B4D5 #1-190 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,920.0,1.00%,F,T)



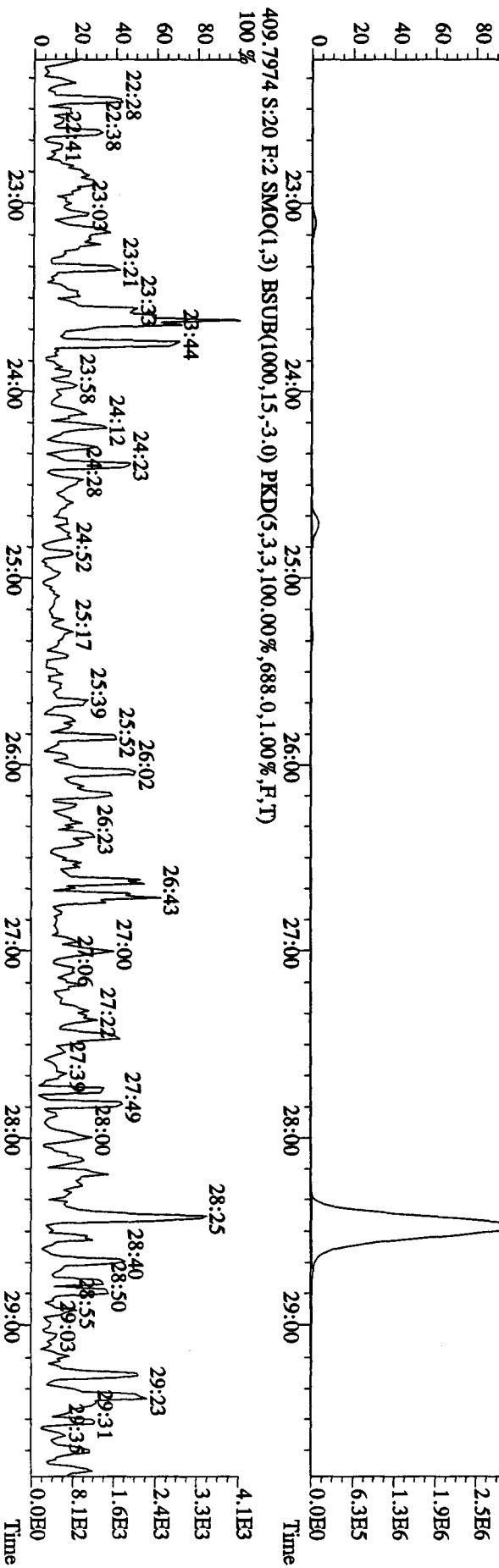
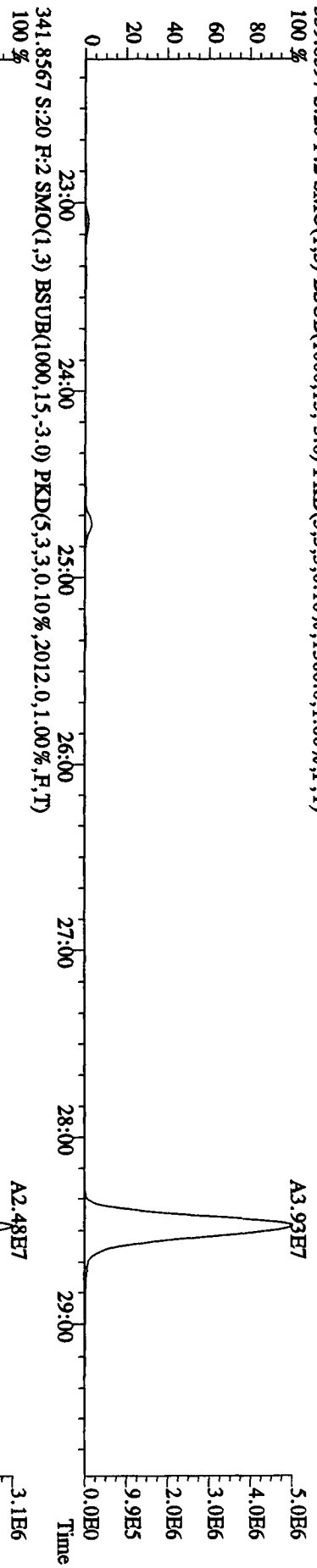
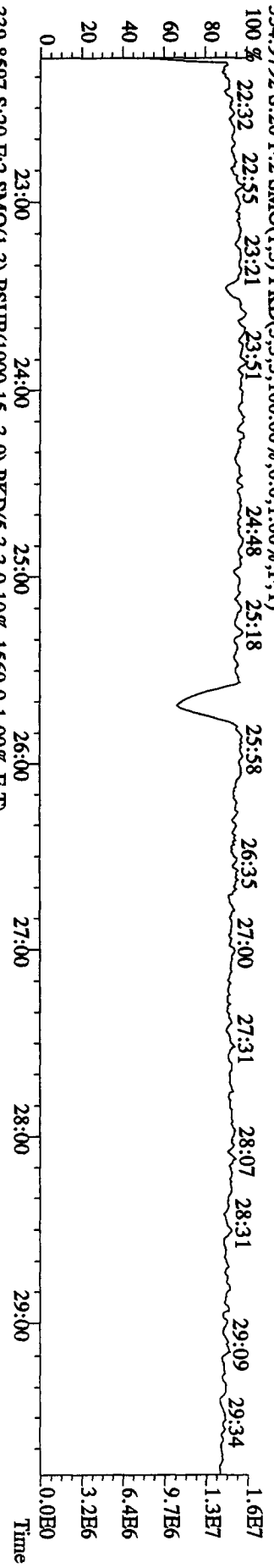
File:21AP10B4D5 #1-190 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 457.7377 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T) 100 %



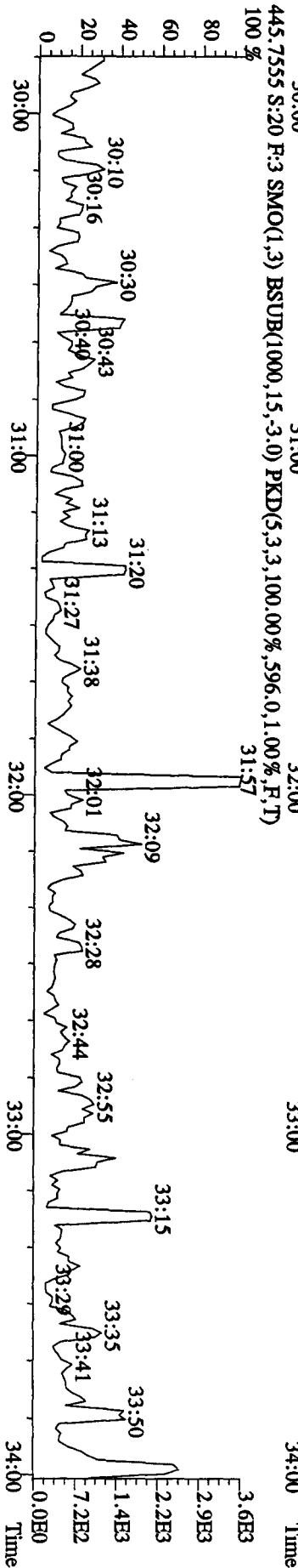
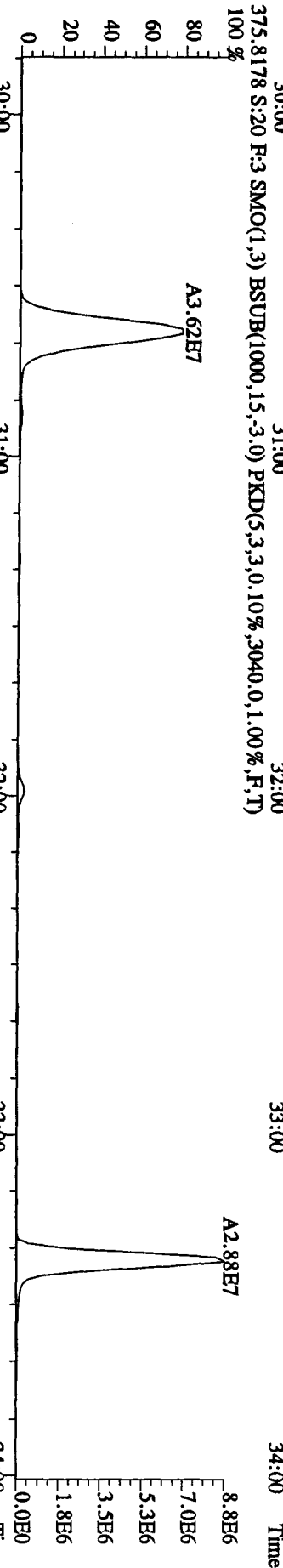
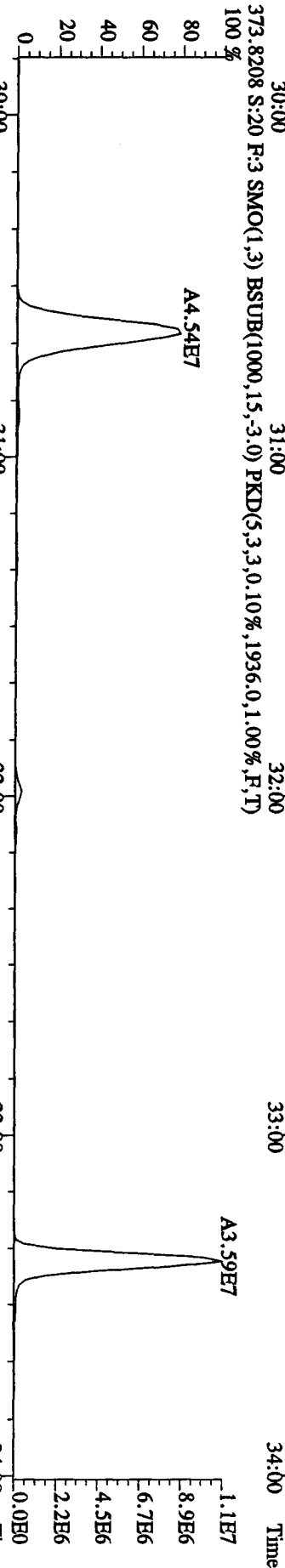
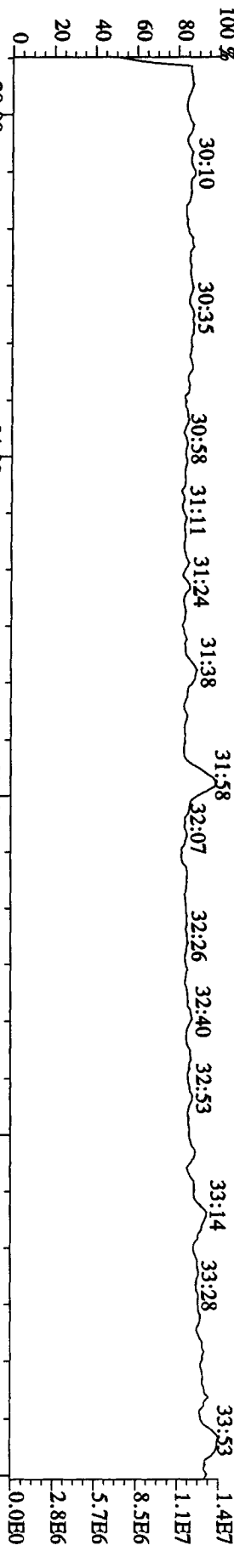
File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 11:02:50 GC EI + Voltage SFR Autospec-UltimaE
 Sample# 20 Text: CP0421B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 354.9792 S: 20 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



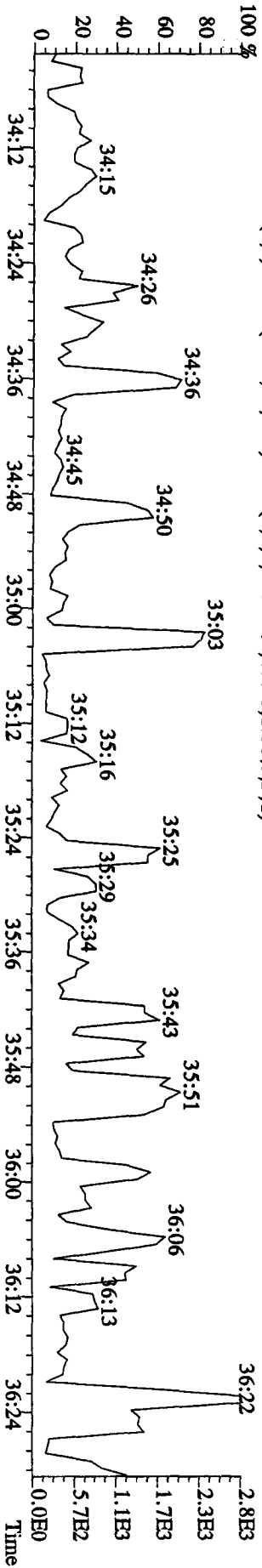
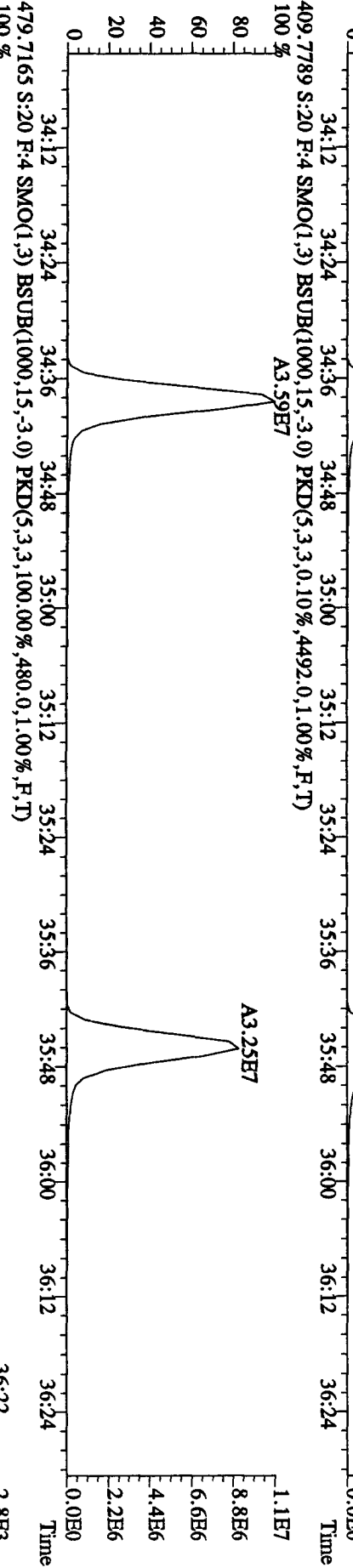
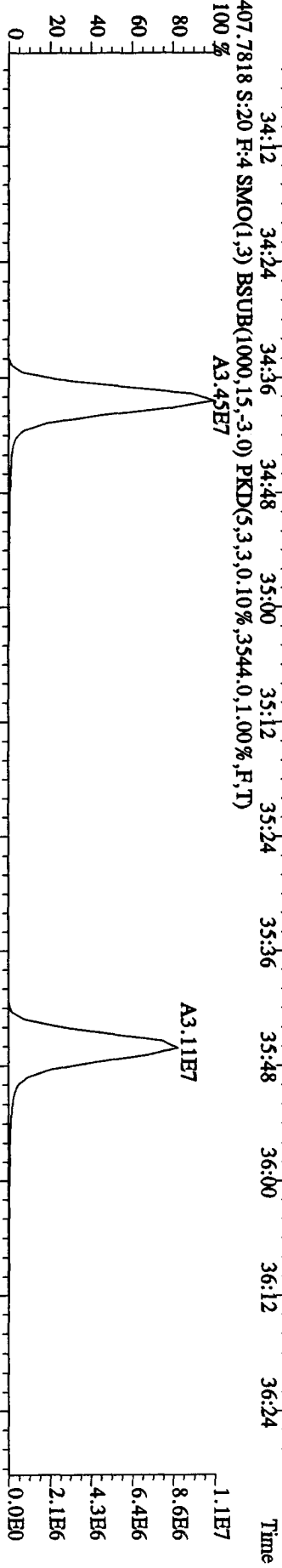
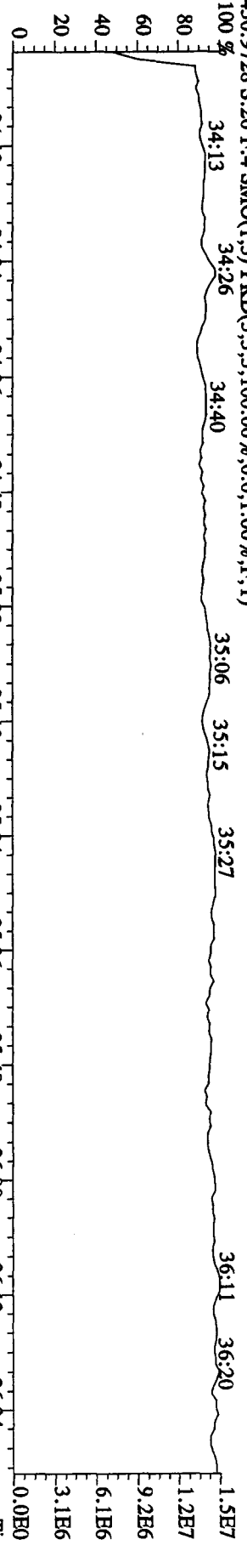
File:21AP10B4D5 #1-604 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



File:21AP10B4D5 #1-317 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 430.9728 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



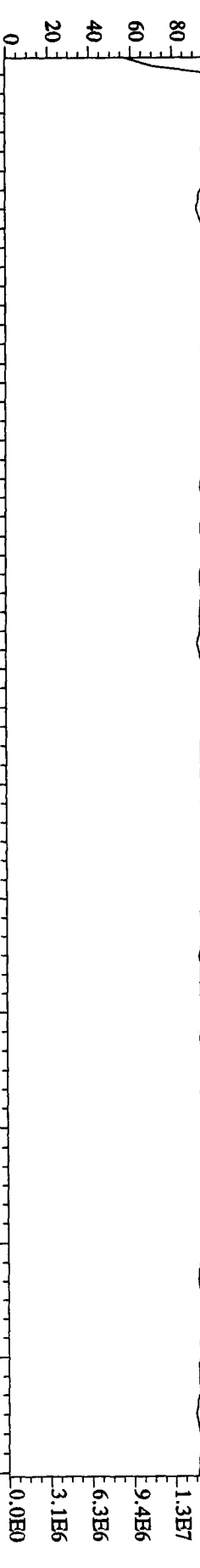
File:21AP10B4D5 #1-198 Acq:22-APR-2010 11:02:50 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 430.9728 S:20 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:21AP10B4D5 #1-190 Acq:22-APR-2010 11:02:50 GC HI + Voltage SIR Autospec-UltimaB

Sample#20 Text:CP0421B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

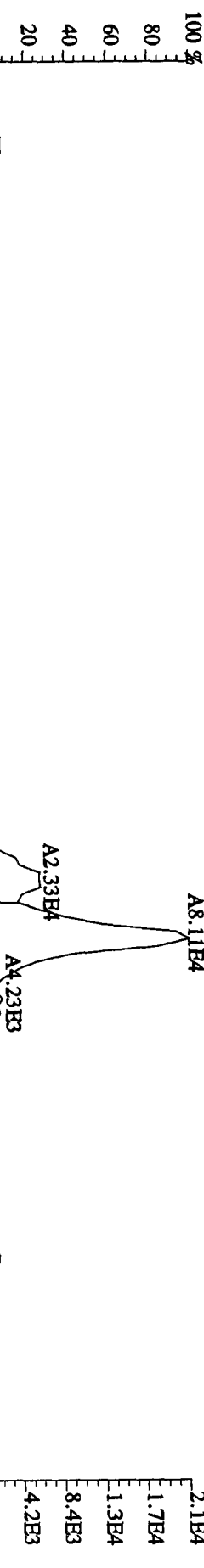
442.9728 S:20 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



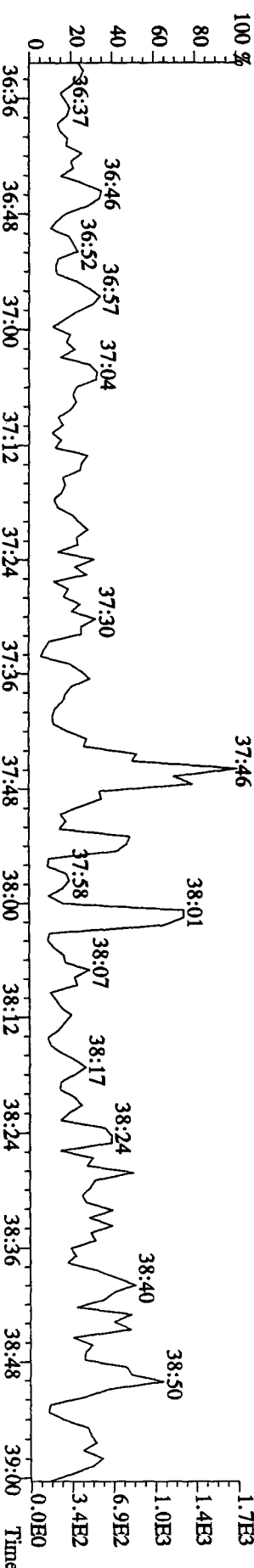
441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,920.0,1.00%,F,T)



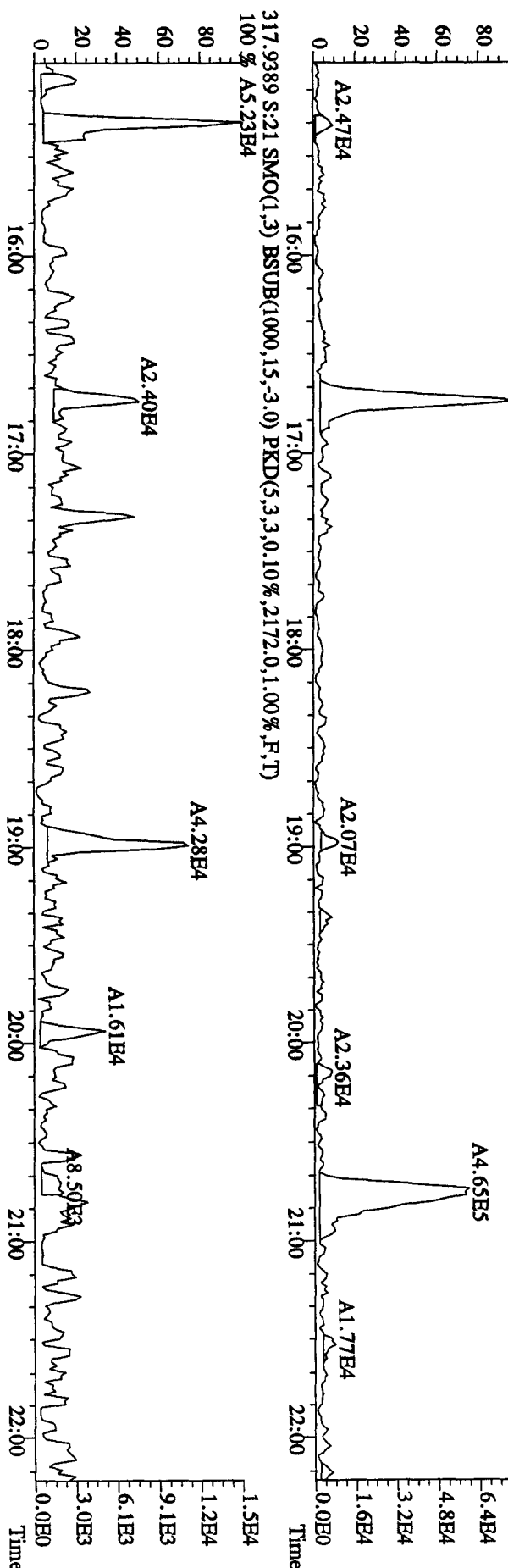
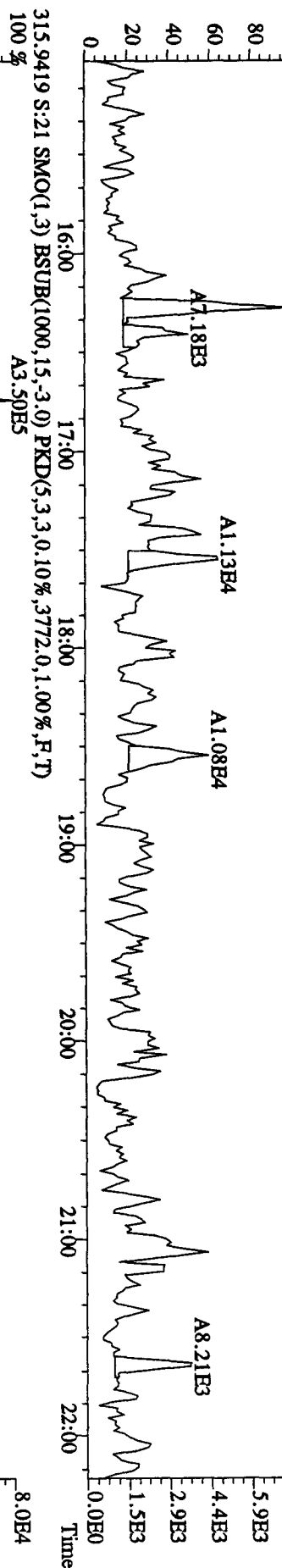
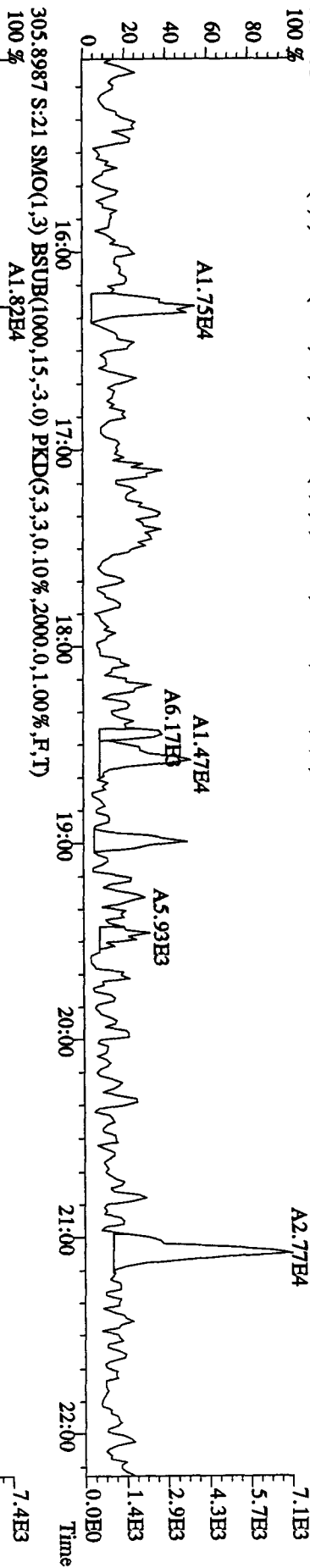
443.7399 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,860.0,1.00%,F,T)



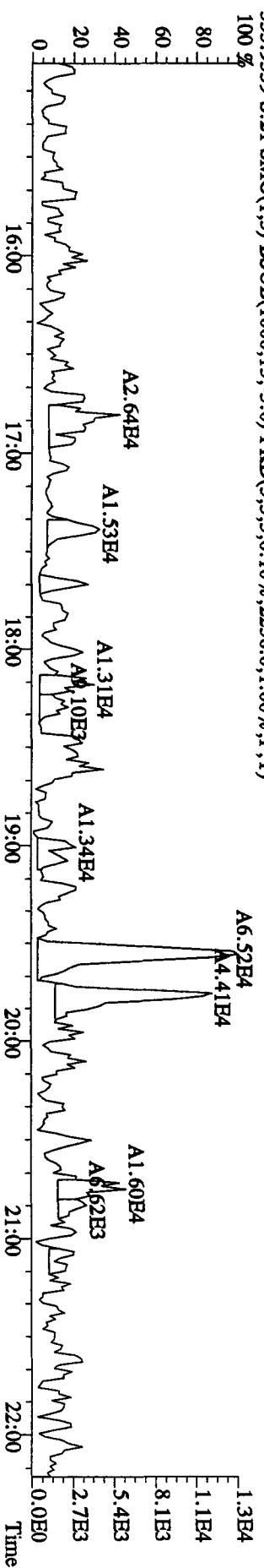
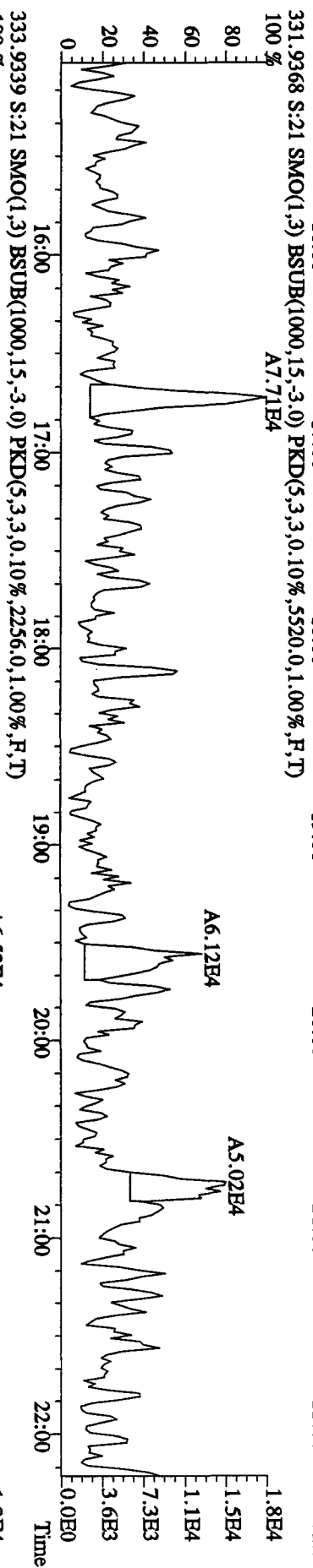
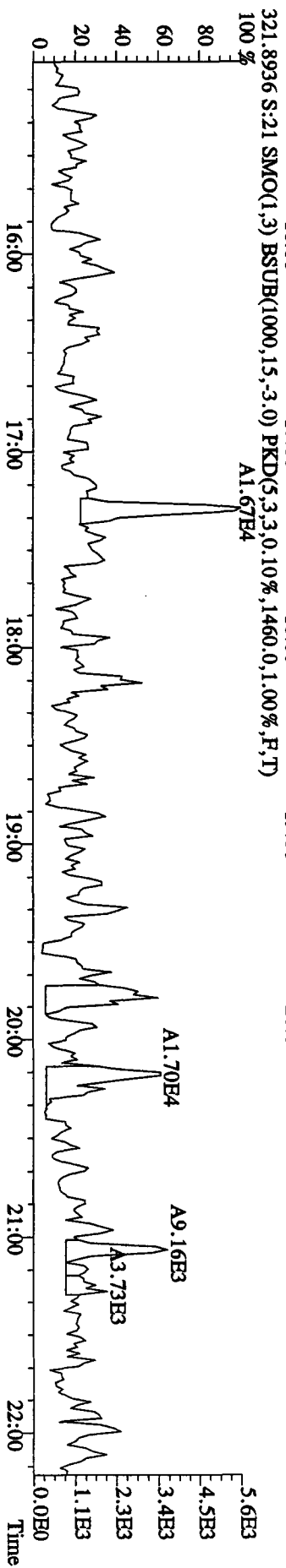
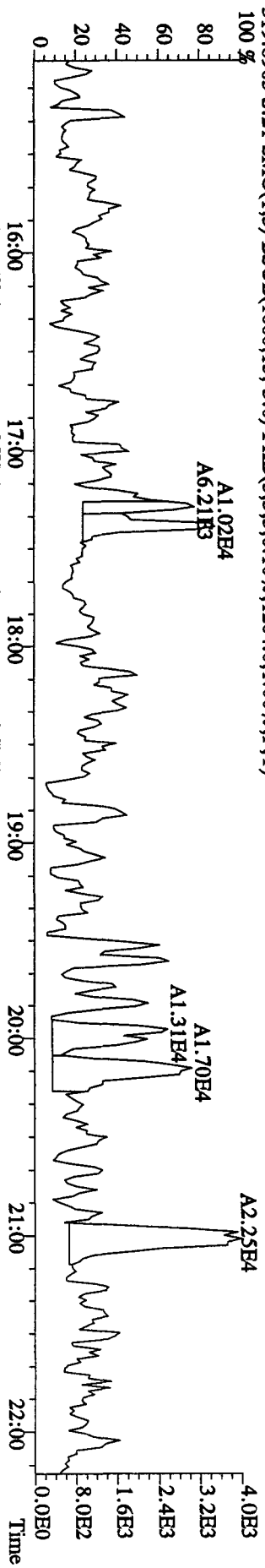
513.6775 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,480.0,1.00%,F,T)



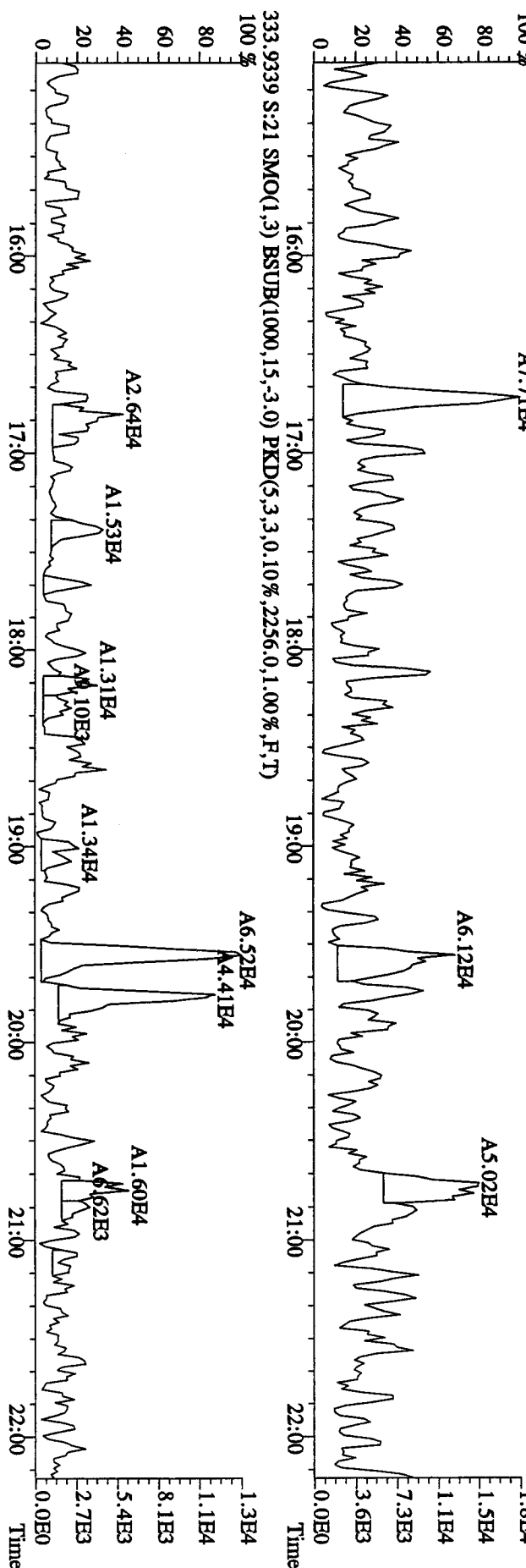
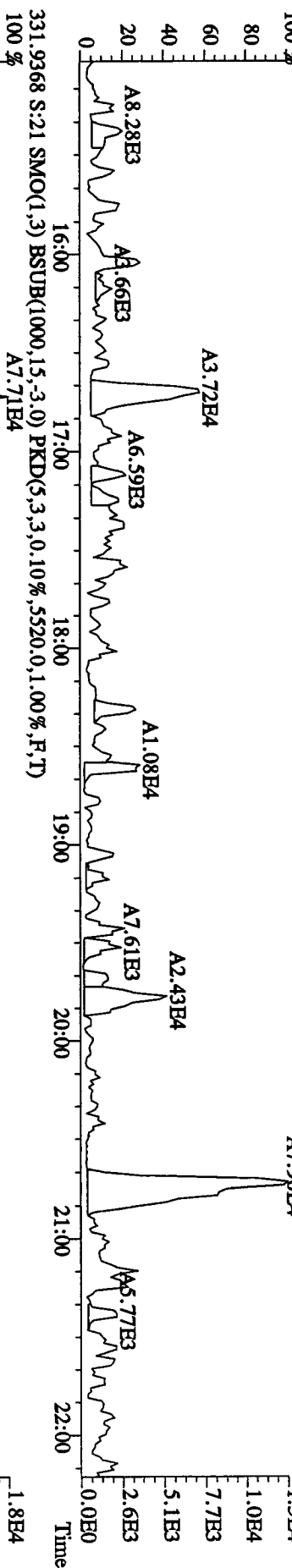
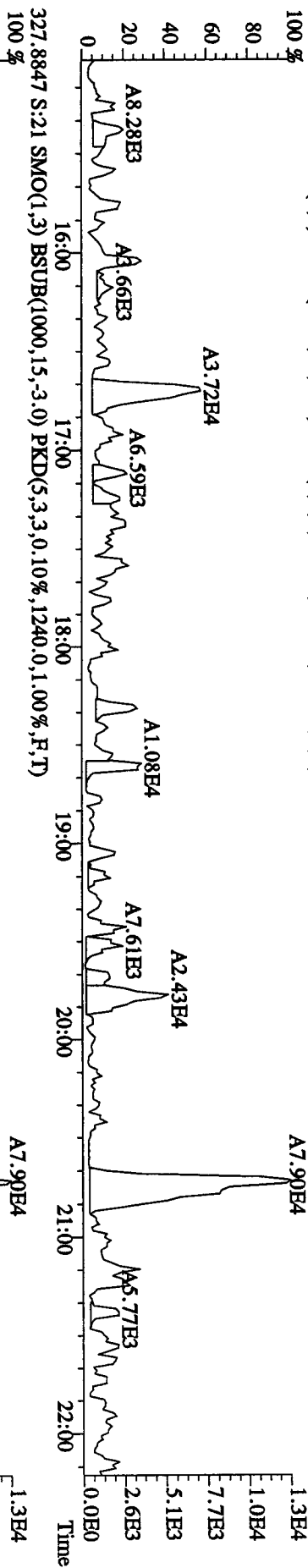
File:21AP10B4D5 #1-434 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 303.9016 S:21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1148,0,1,00%,F,T)



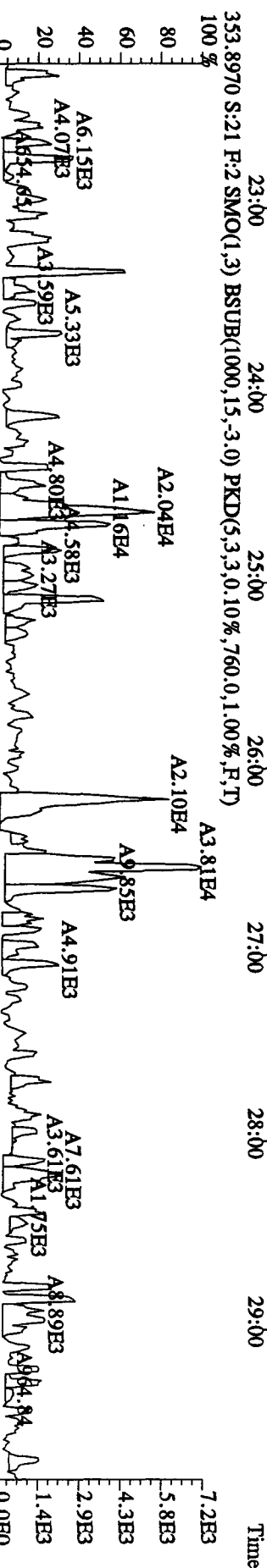
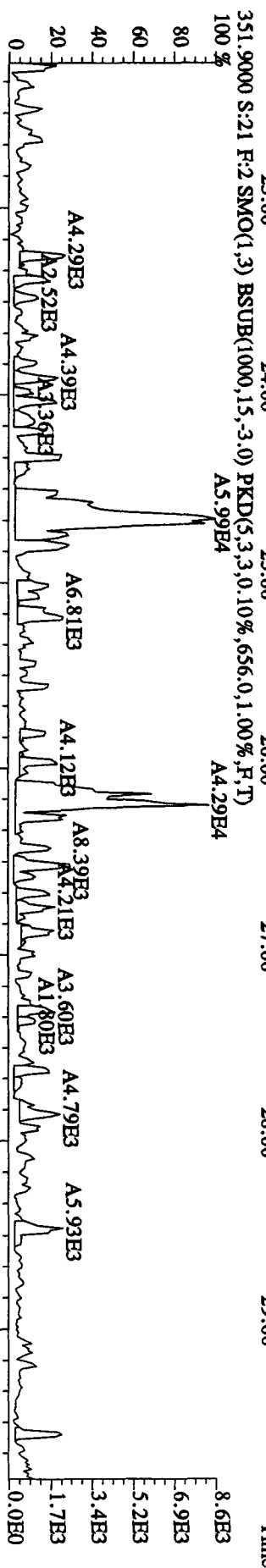
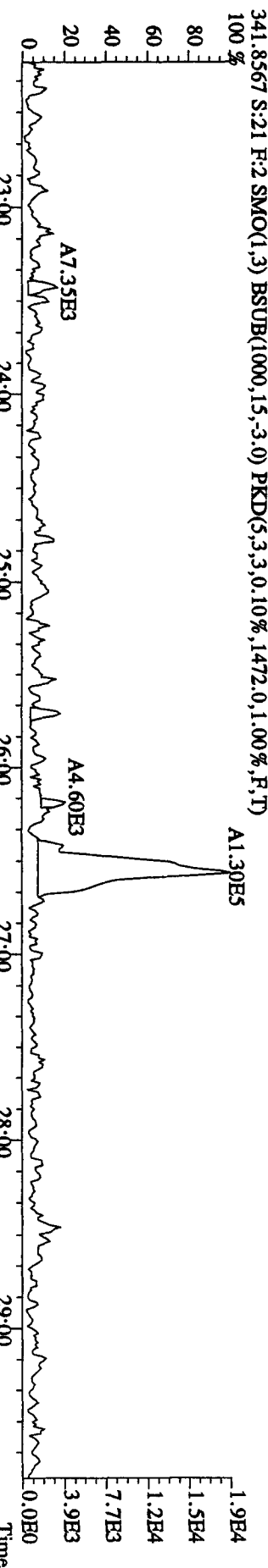
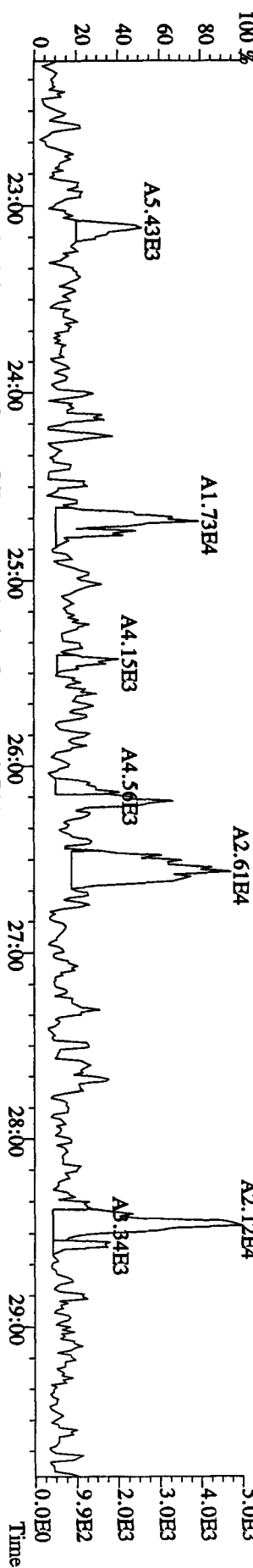
File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 11:46:52 GC EI + Voltage SIR Autospec-UltimaB
 Sample#21 Text: SB0421C :Solvent Blank C-14 Exp: DIOXINRES8290A
 319.8965 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1204.0,1.00%,F,T)



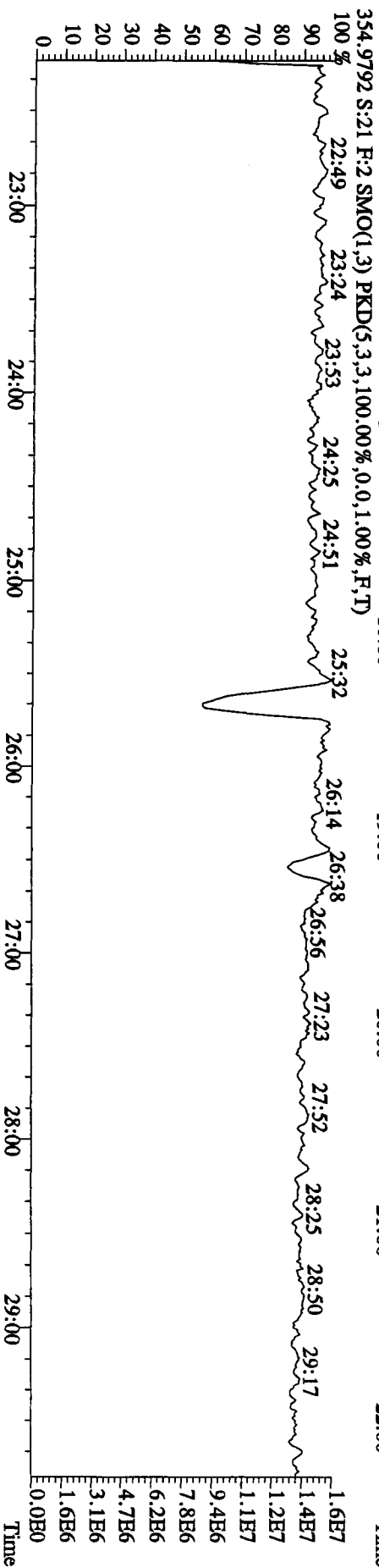
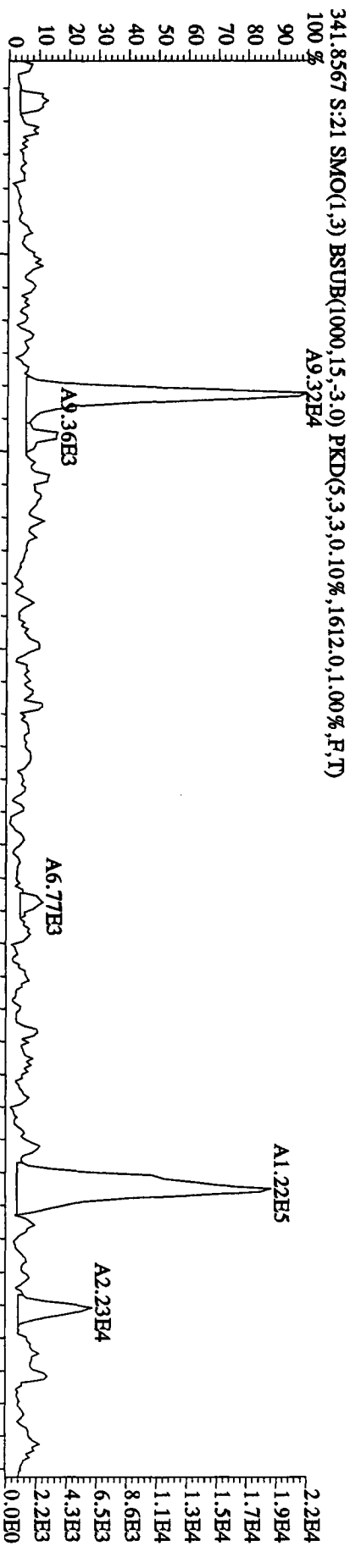
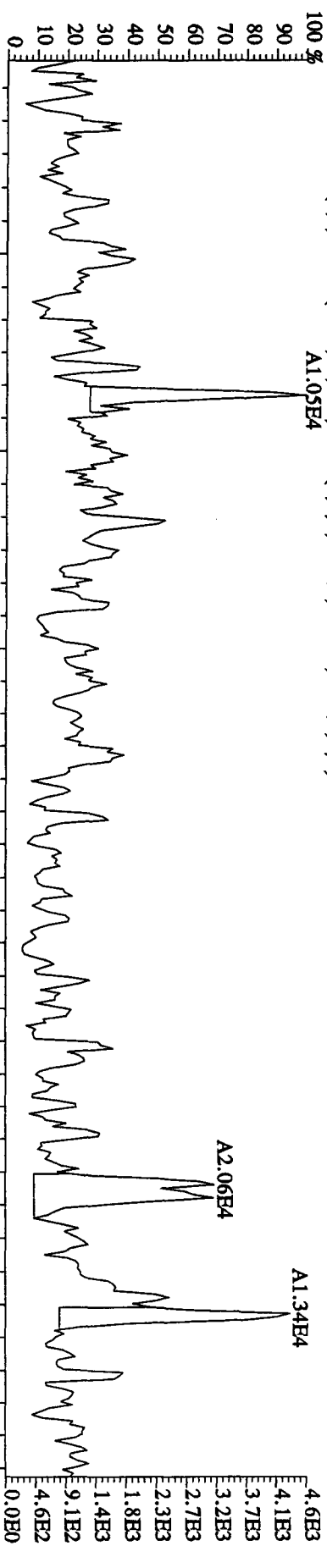
File:21API084D5 #1-434 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1240.0,1.00%,F,T)



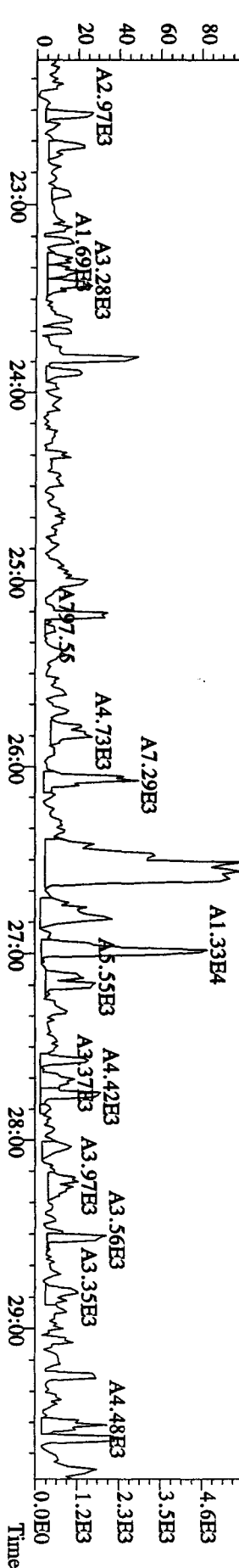
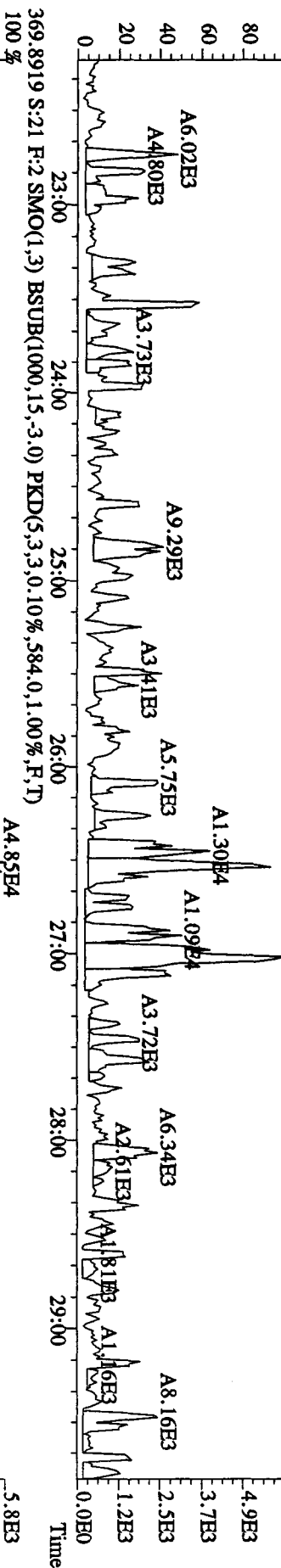
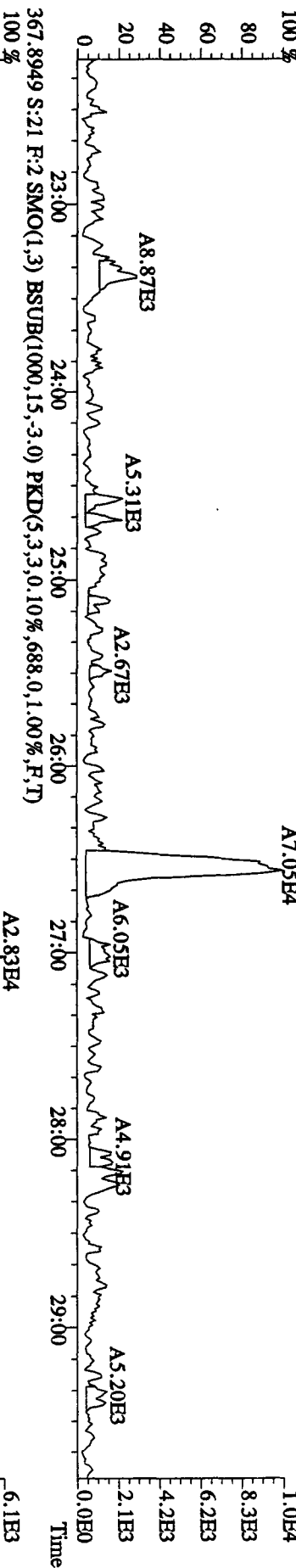
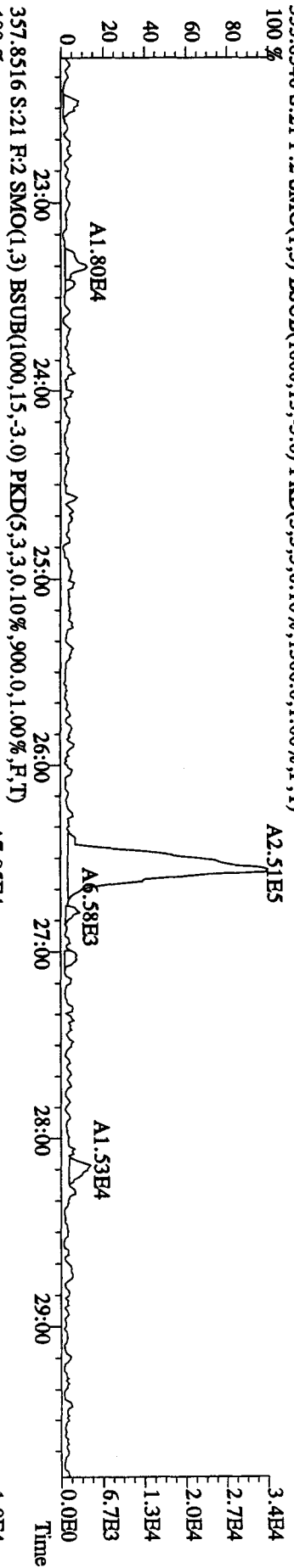
File:21AP10B4D5 #1-604 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,928.0,1.00%,F,T)



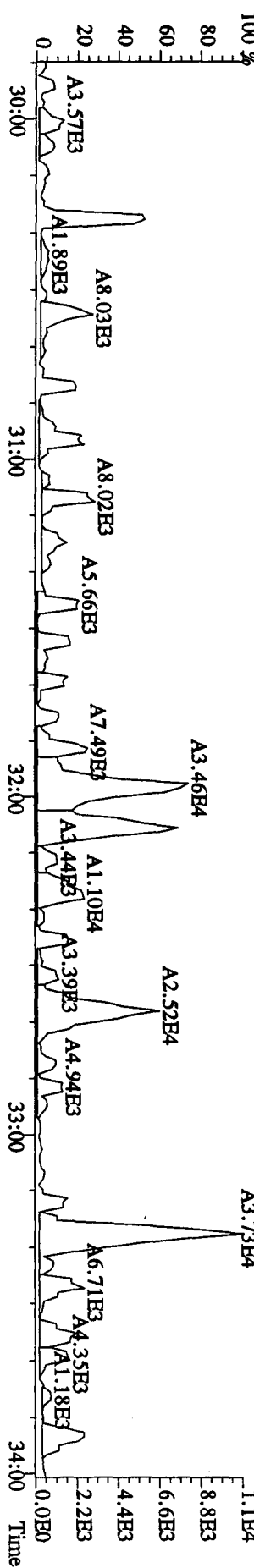
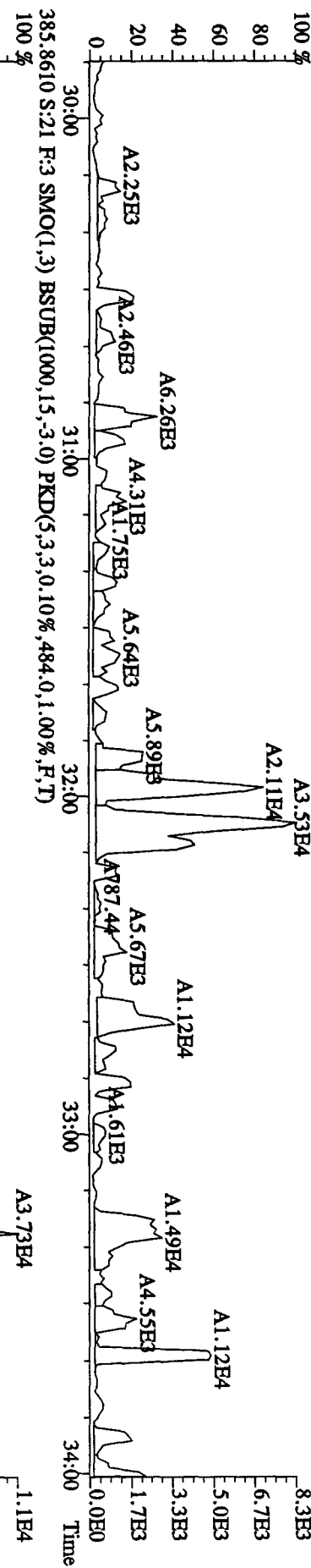
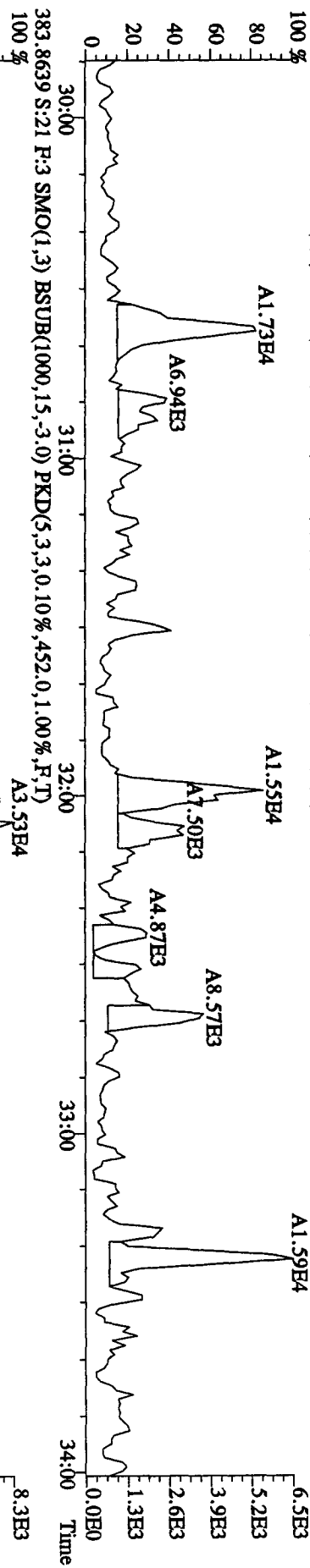
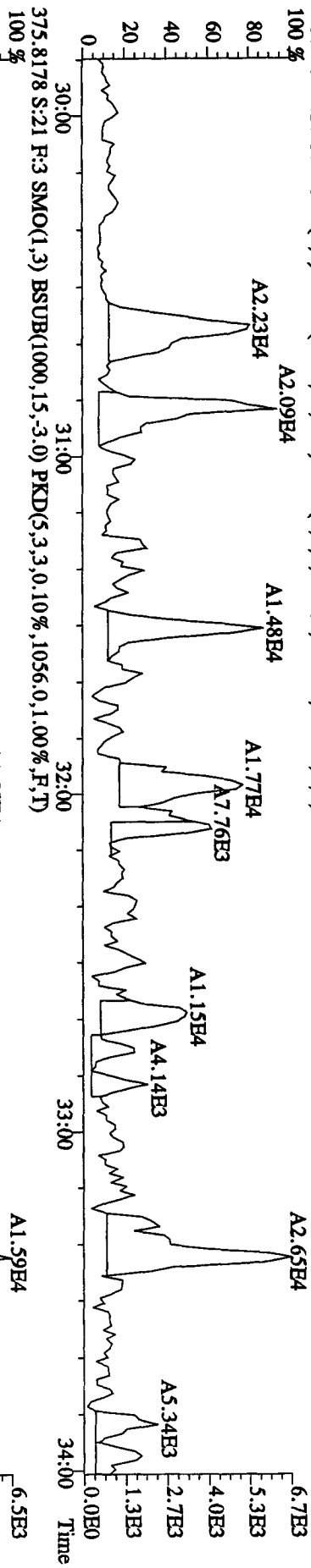
File:21AP10B4D5 #1-434 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 339.8597 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)
 100 % A1.05E4



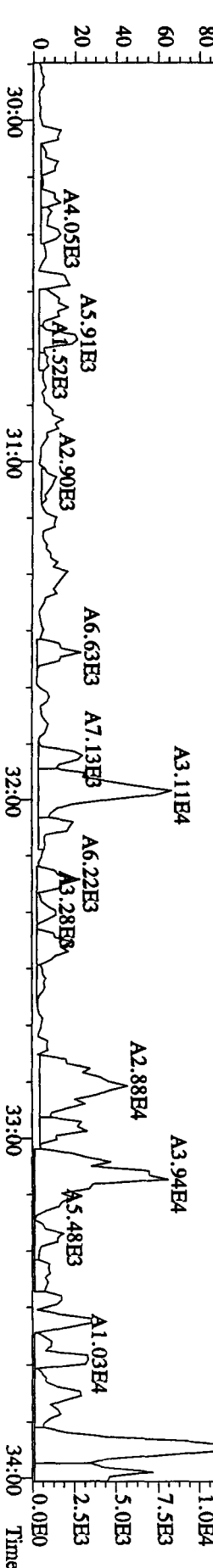
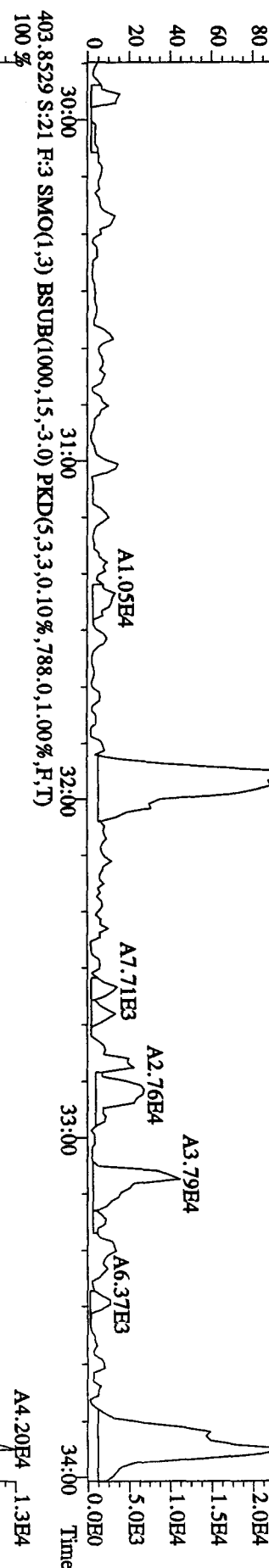
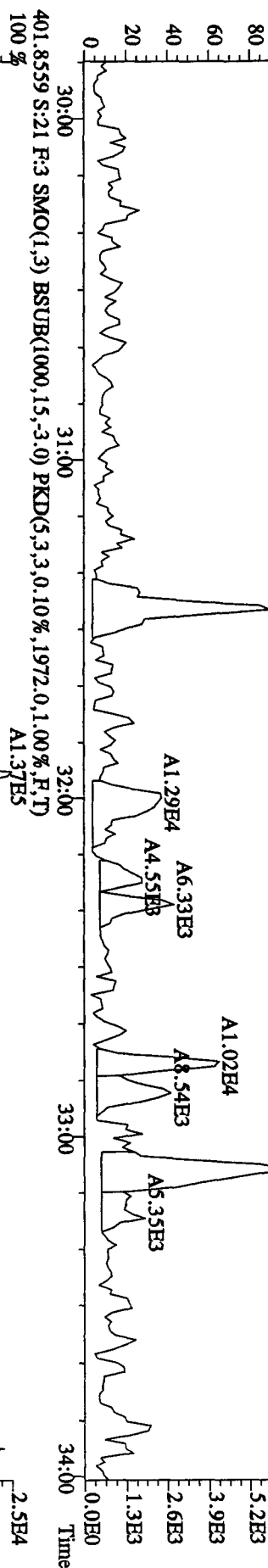
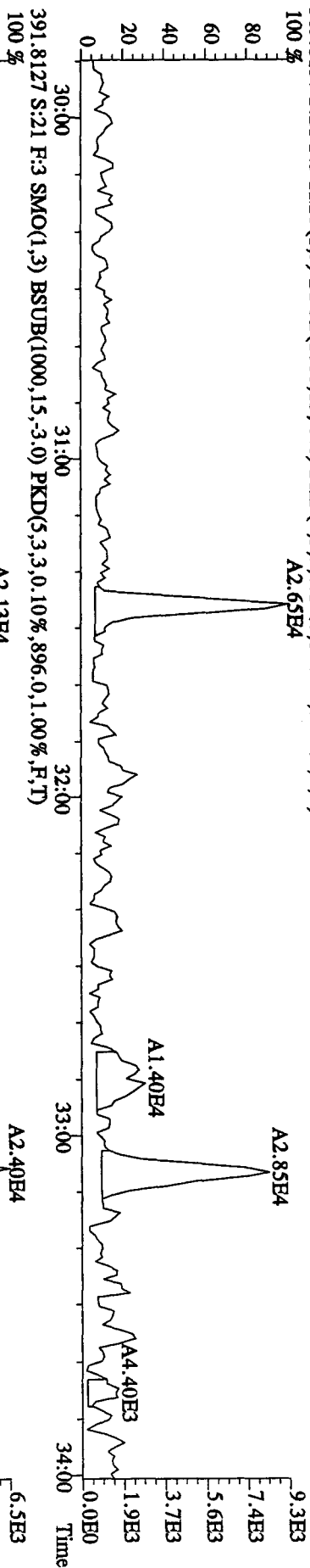
File:21AP10B4D5 #1-604 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 355.8546 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,900.0,1.00%,F,T)



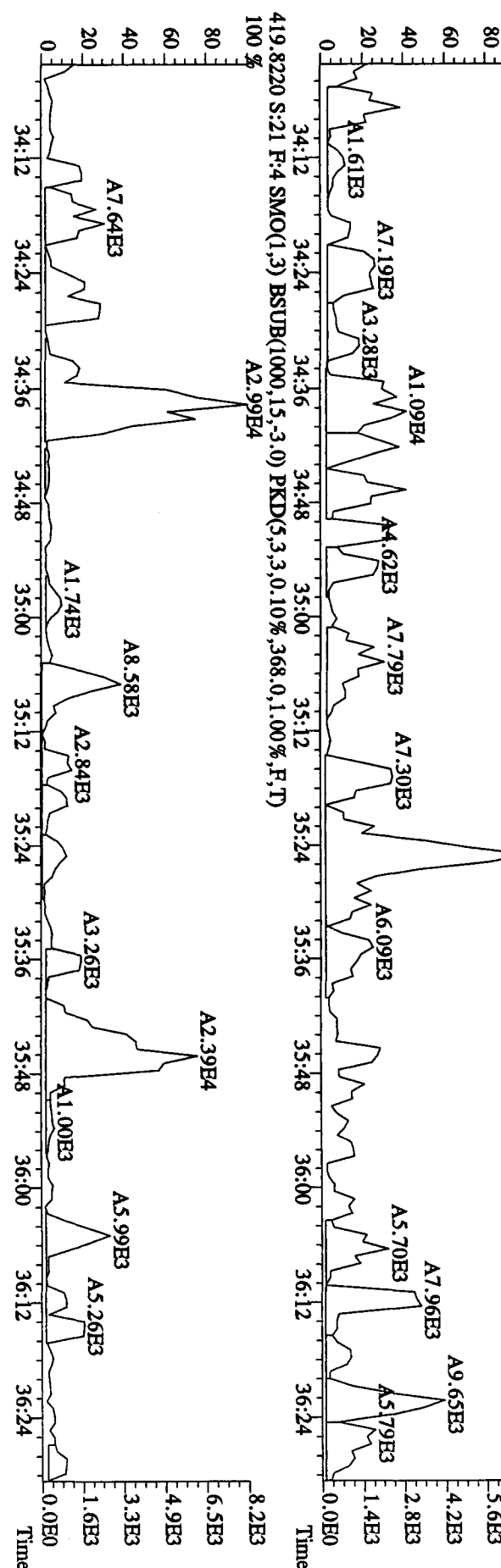
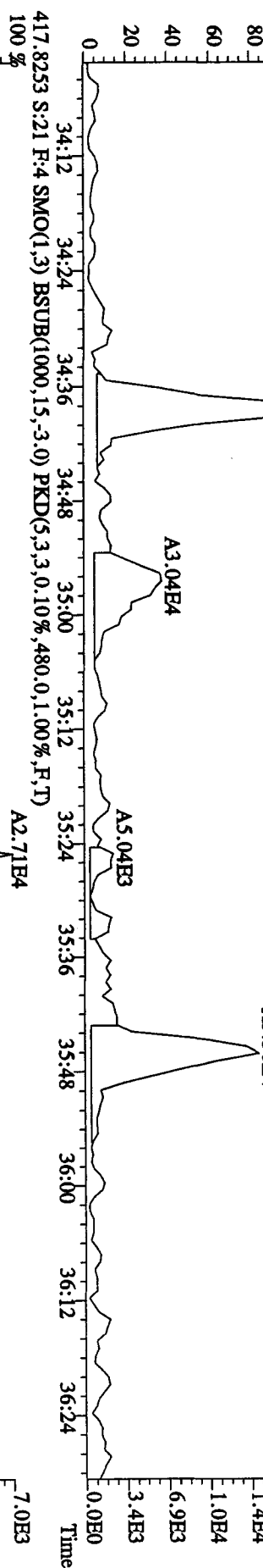
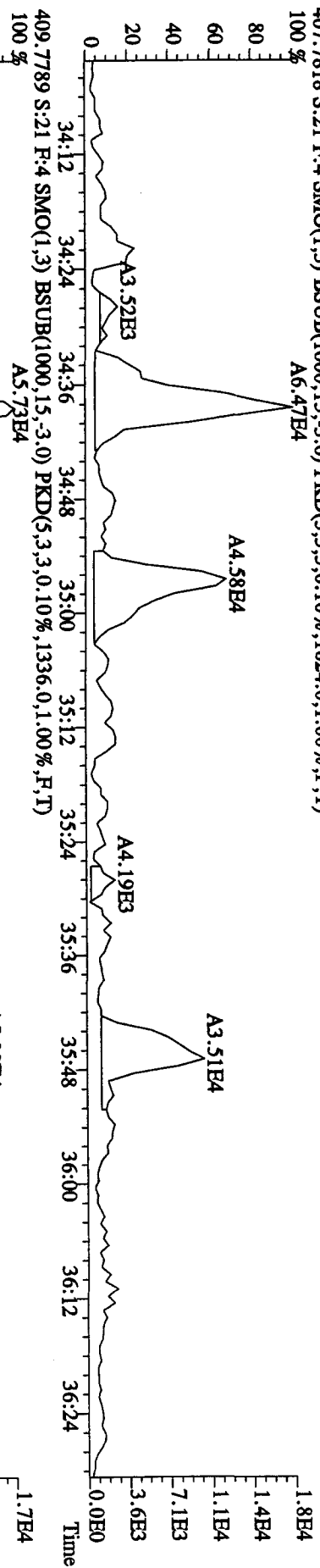
File:21API0B4D5 #1-317 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1132.0,1.00%,F,T)



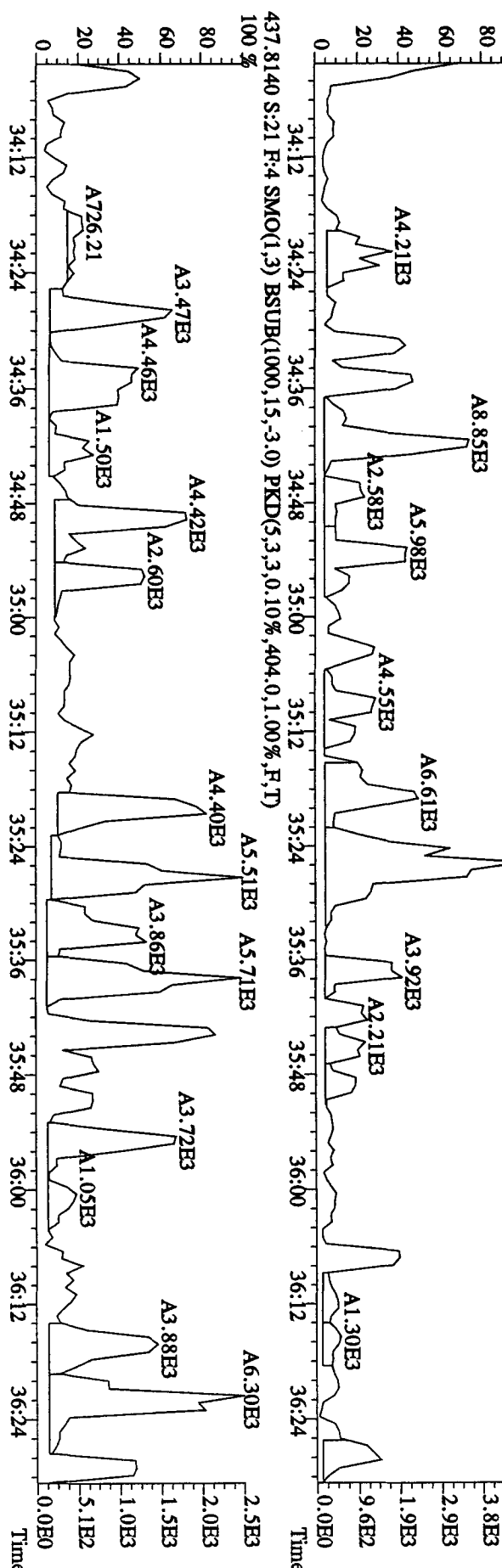
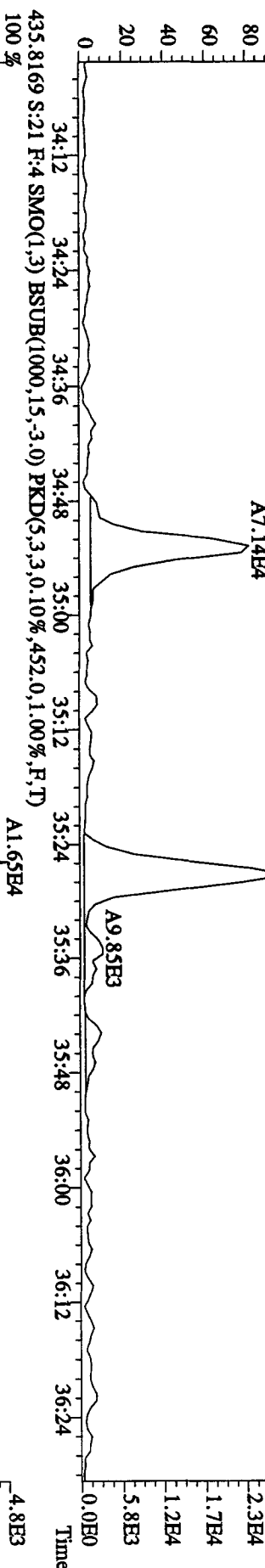
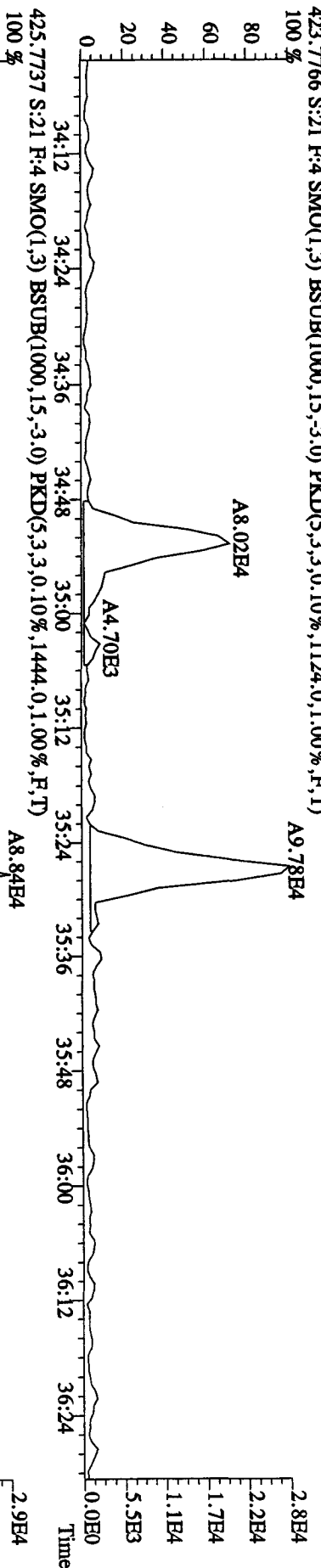
File:21AP10B4D5 #1-317 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 389.8157 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1348,0,1,100%,F,T)
 100%



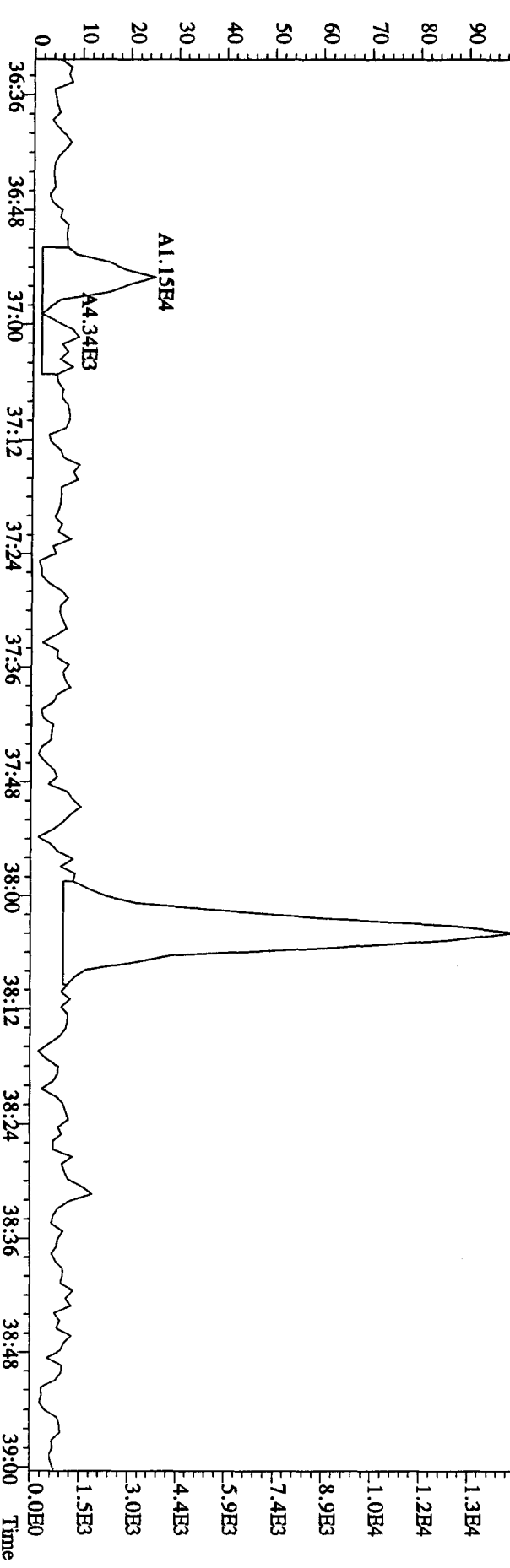
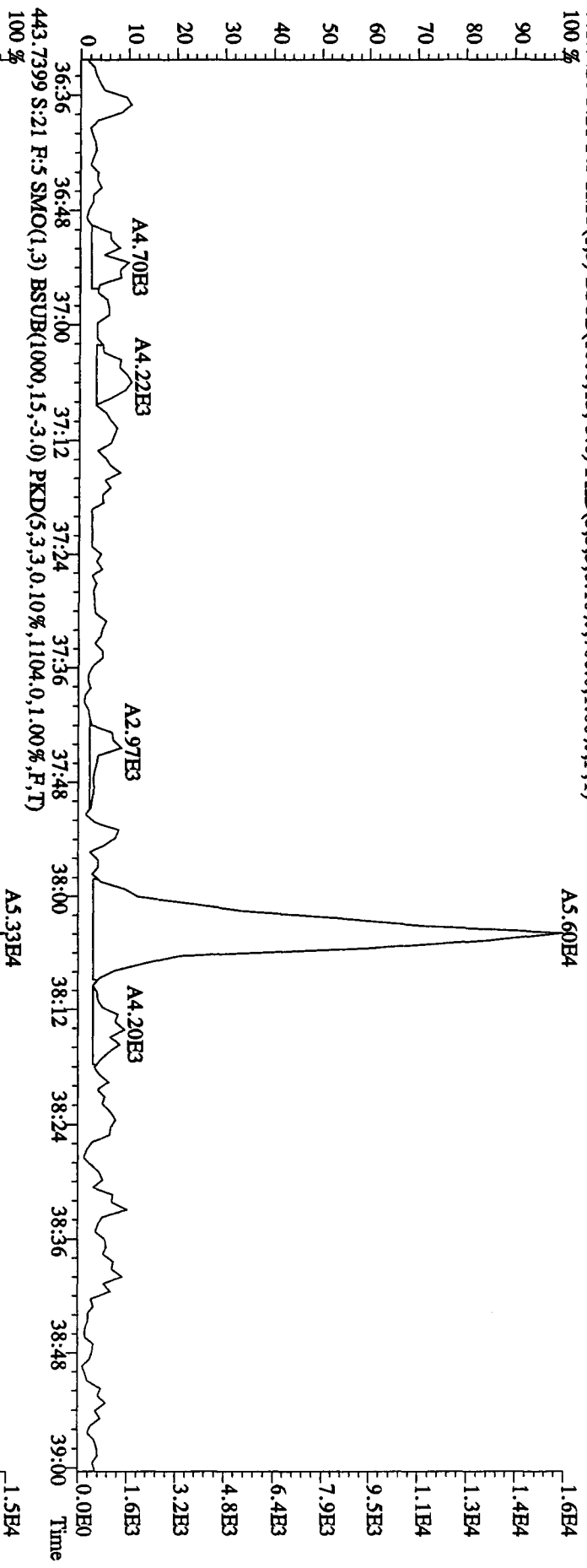
File:21AP10B4D5 #1-198 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 407.7818 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1624.0,1.00%,F,T)
 100%



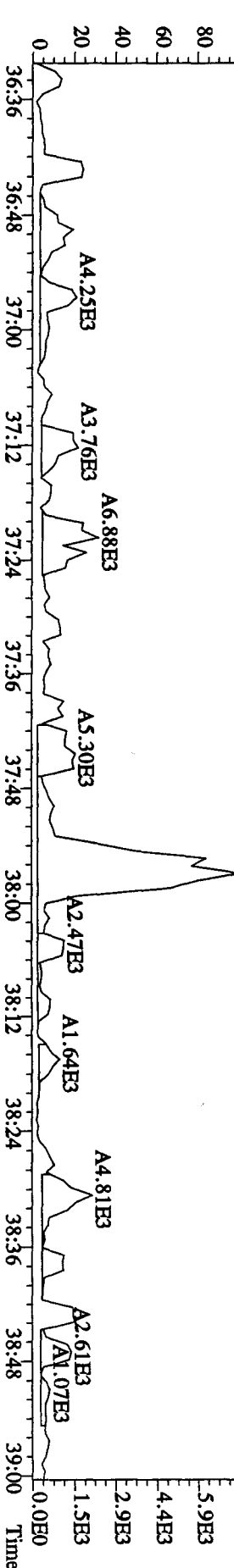
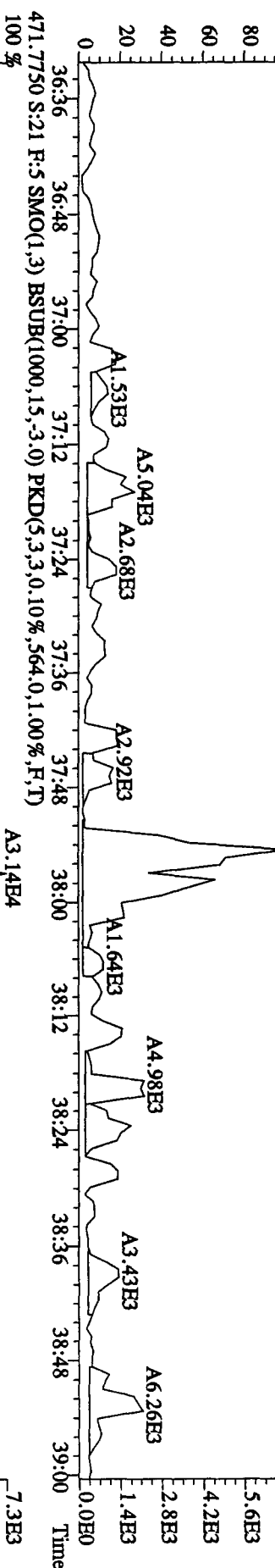
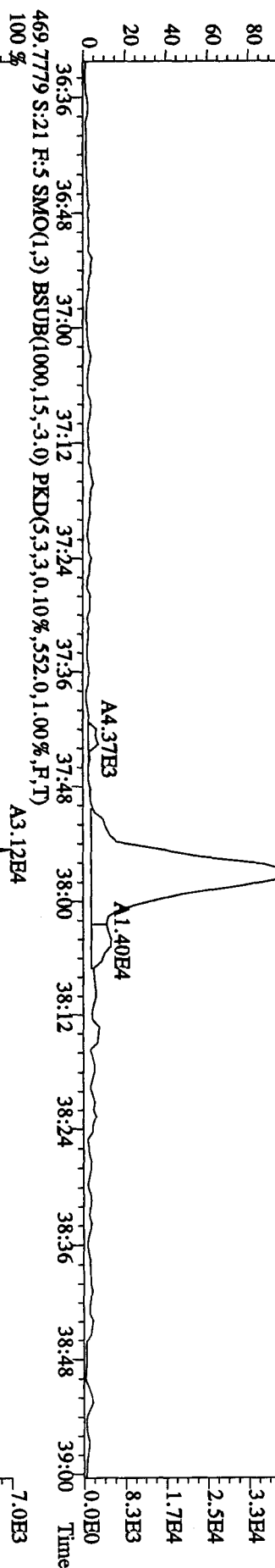
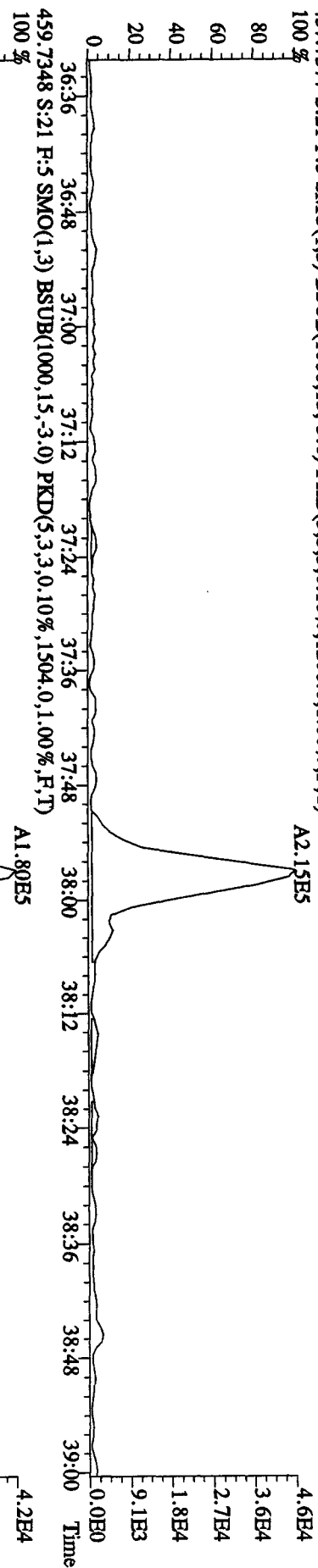
File:21AP10B4D5 #1-198 Acq:22-APR-2010 11:46:52 GC EI+ Voltage:51R Autospec-UltimaB
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 423.7766 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1124.0,1.00%,F,T)



File:21API0B4D5 #1-190 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINPRES8290A
 441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,700.0,1.00%,F,T)



File: 21AP10B4D5 #1-190 Acq: 22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-UltimaE
 Sample# 21 Text: SB0421C : Solvent Blank C-14 Exp: DIOXINRES8290A
 457.7377 S: 21 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1208,0,1.00%,F,T) 100%

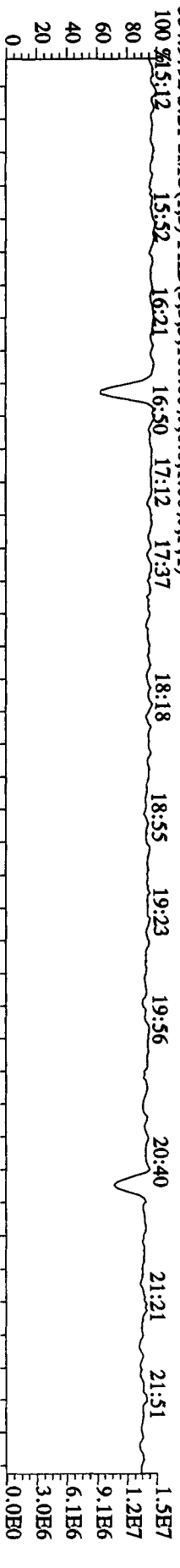


File: 21API084D5 #1-434 Acq: 22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-Ultimate

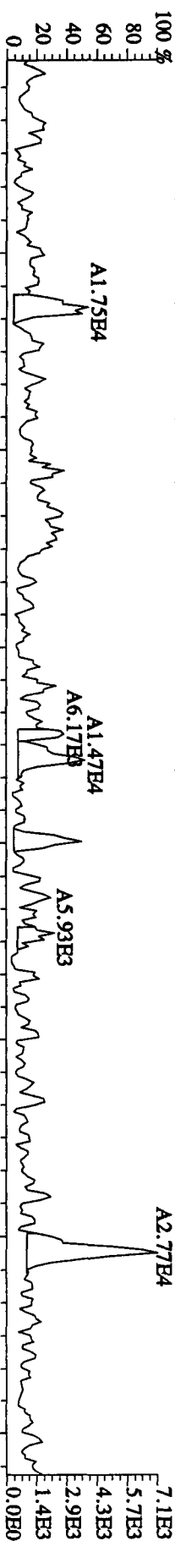
Sample# 21 Text: SB0421C Solvent Blank C-14 Exp: DIOXINRES8290A

354.9792 S: 21 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

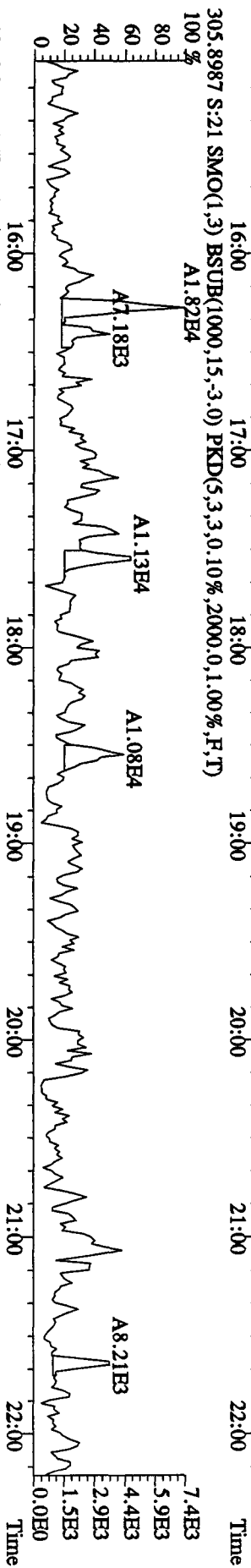
100 % 5:12 15:52 16:21 16:50 17:12 17:37 18:18 18:55 19:23 19:56 20:40 21:21 21:51



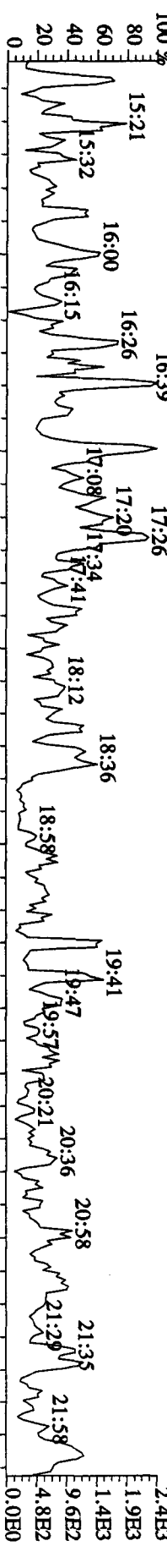
303.9016 S: 21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1148,0,1.00%,F,T)



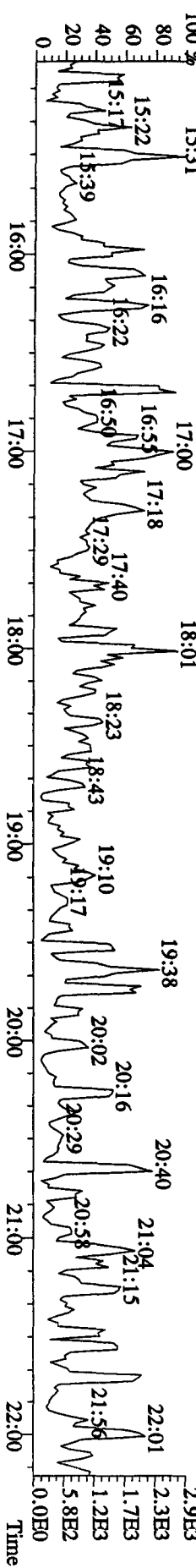
305.8987 S: 21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2000,0,1.00%,F,T)

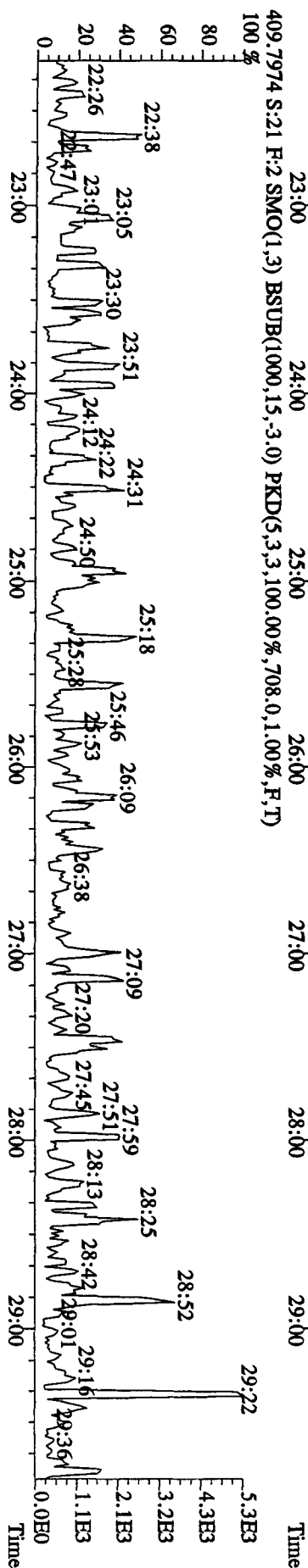
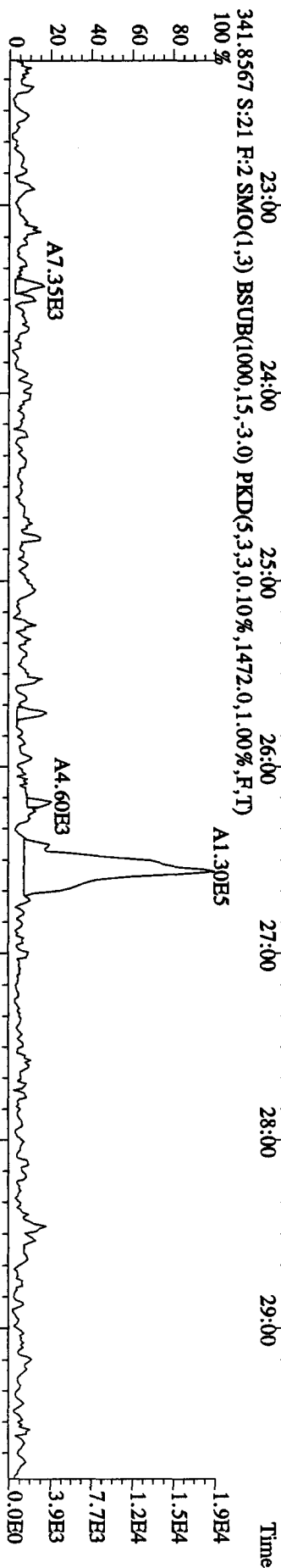
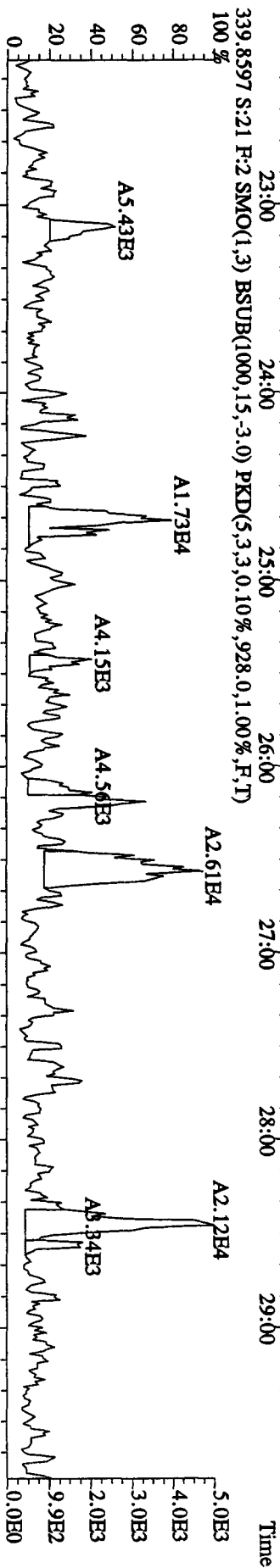
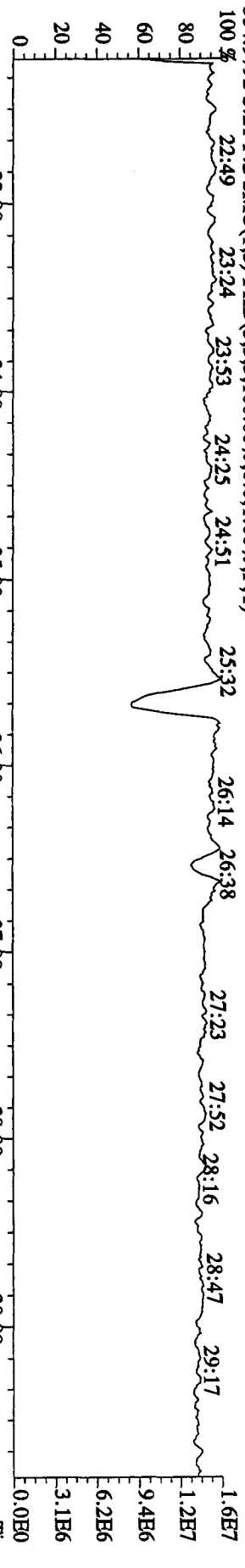


375.8364 S: 21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,832,0,1.00%,F,T)

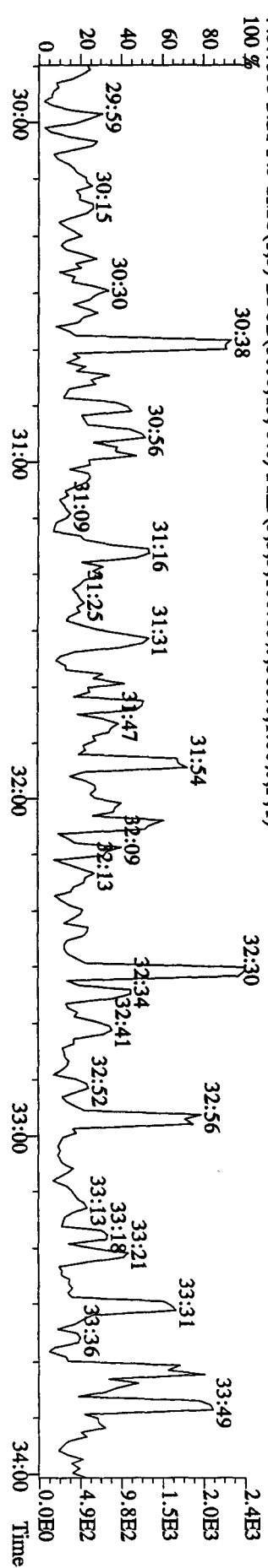
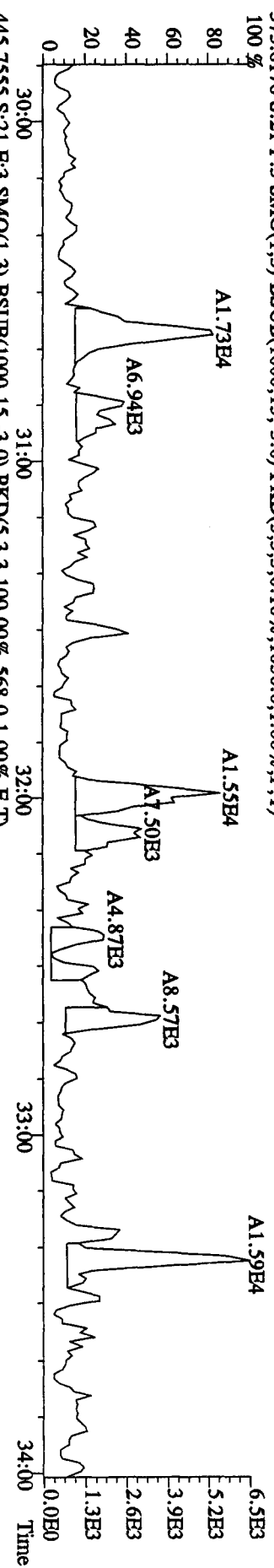
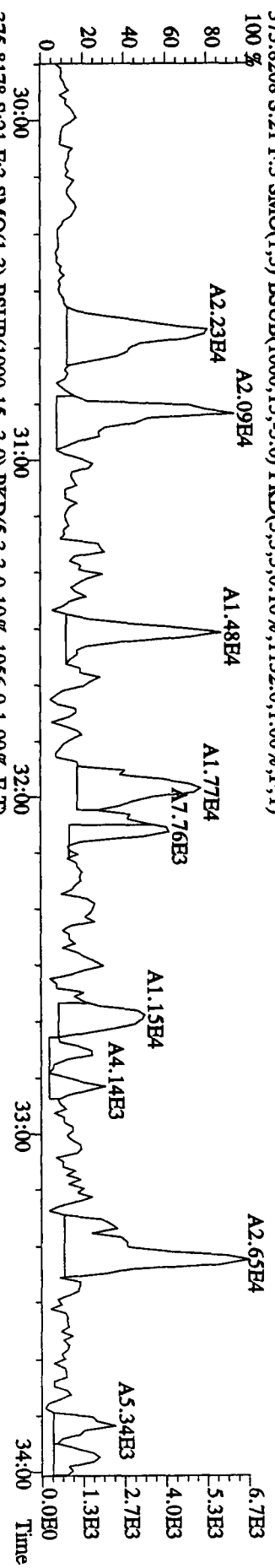
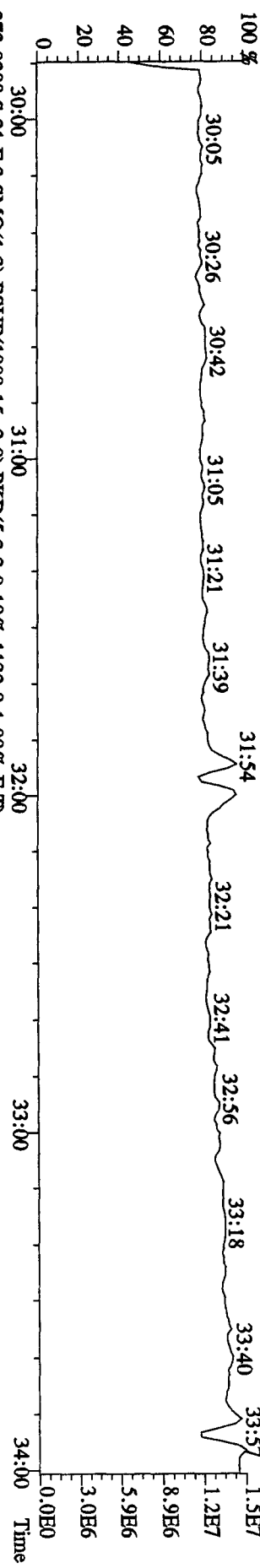


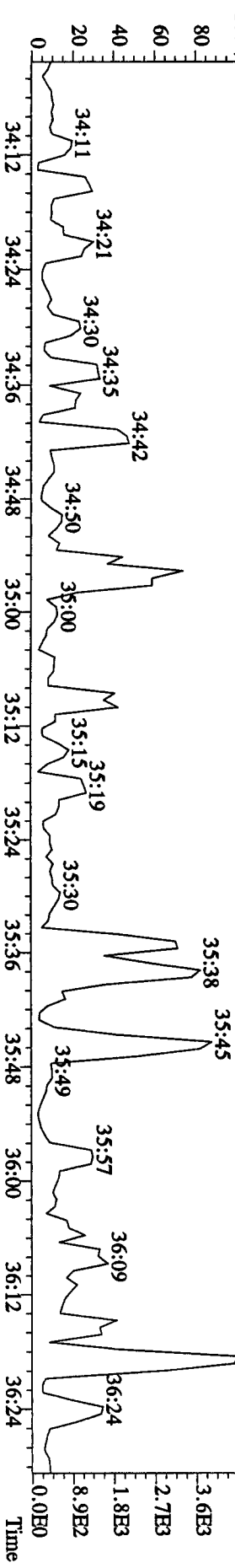
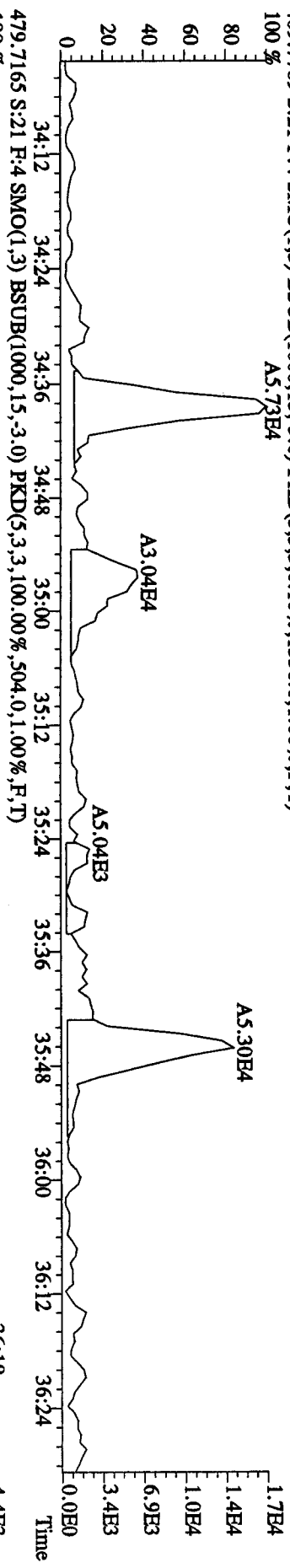
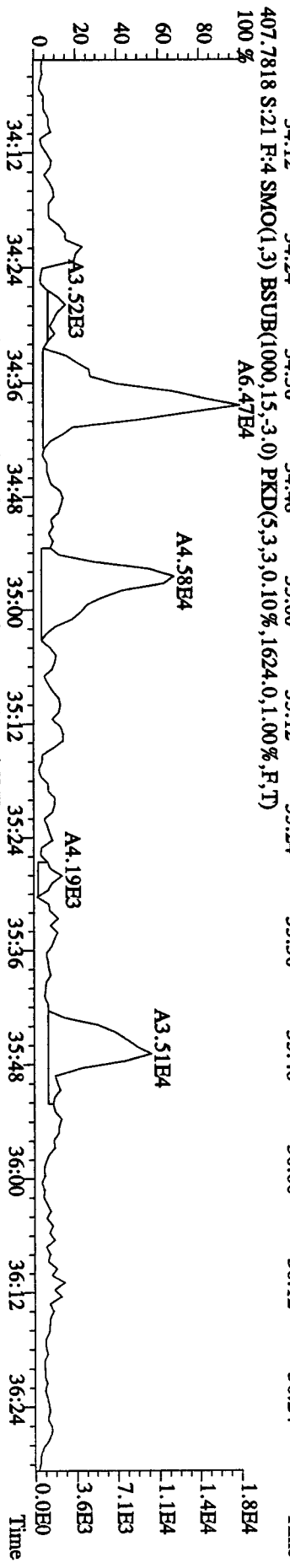
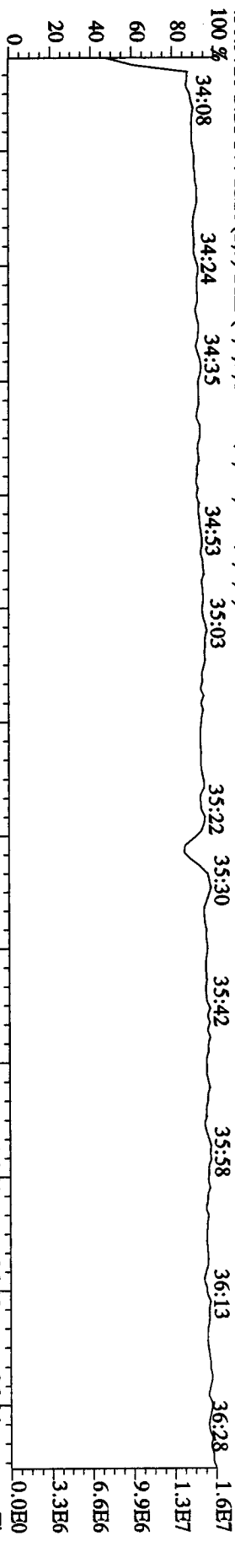
409.7974 S: 21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1032,0,1.00%,F,T)



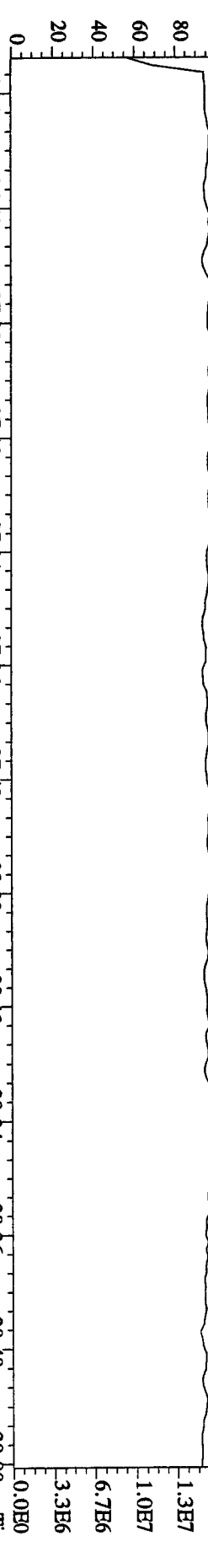


File:21AP10B4D5 #1-317 Acq:22-APR-2010 11:46:52 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#21 Text:SB0421C :Solvent Blank C-14 Exp:DIOXINRES8290A
 430.9728 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

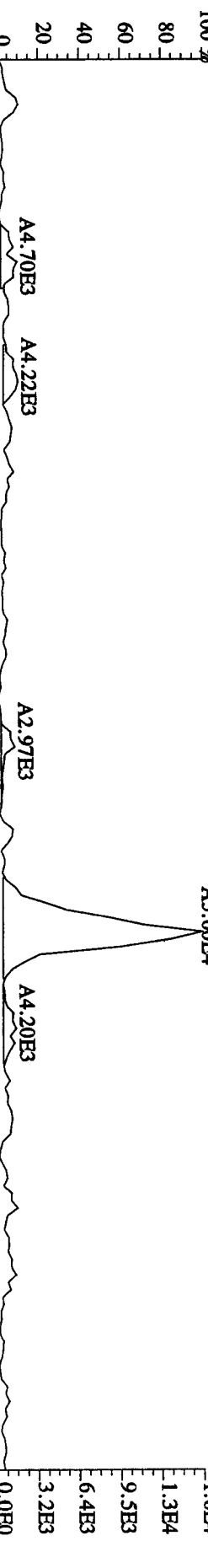




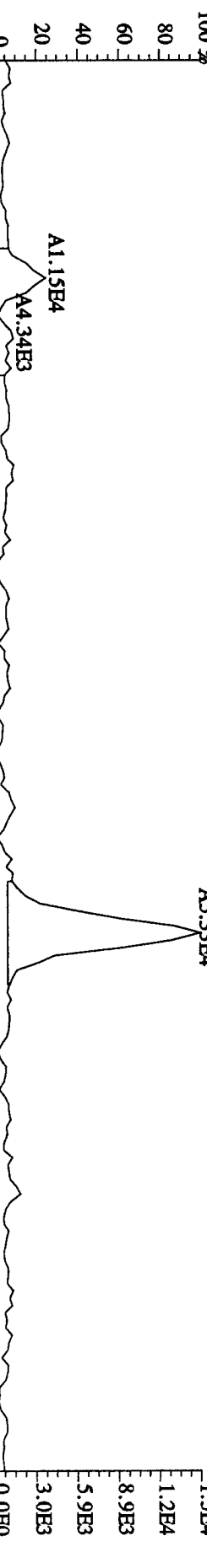
442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 100% 36:40 36:50 37:03 37:17 37:27 37:44 37:57 38:06 38:14 38:26 38:34 38:53



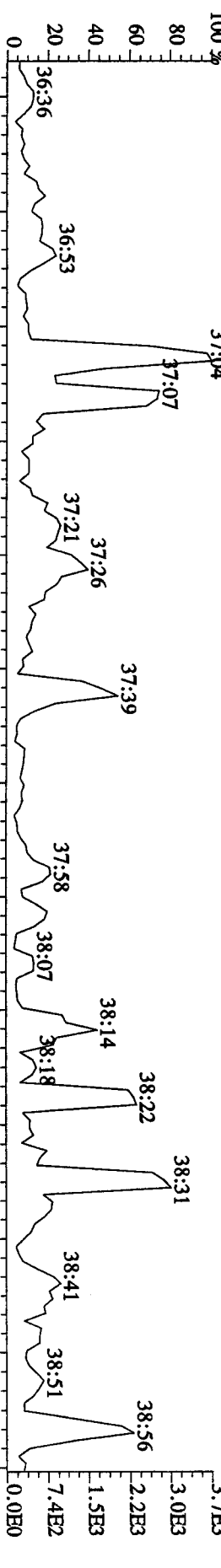
441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,700.0,1.00%,F,T) 100% 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00



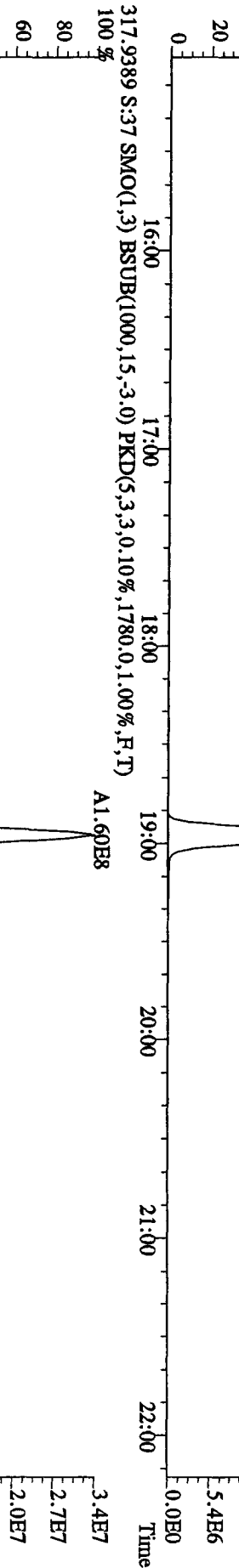
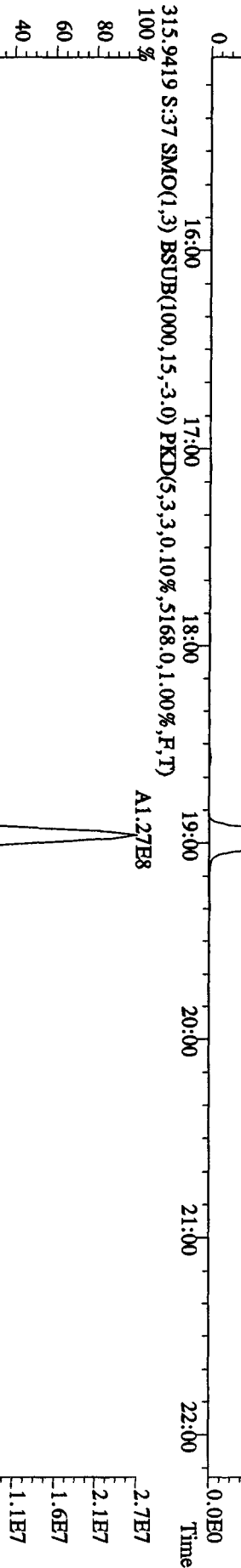
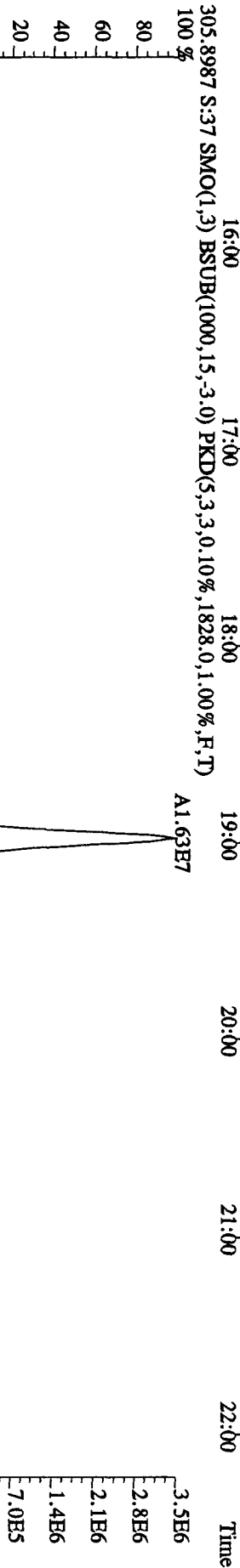
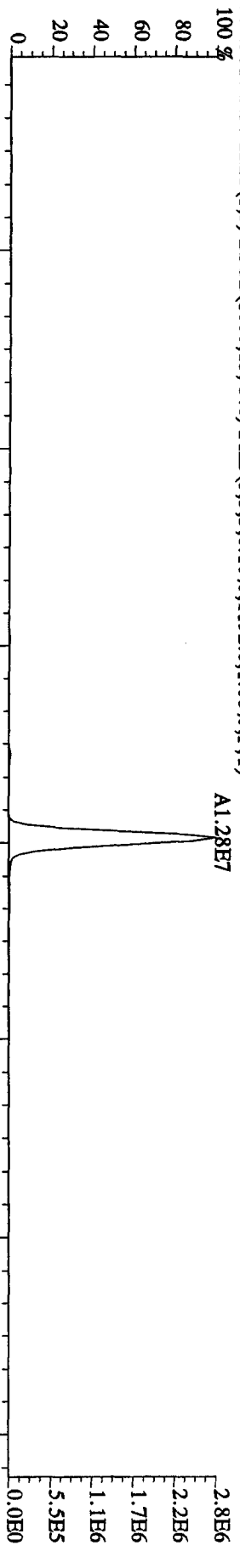
443.7399 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T) 100% 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00



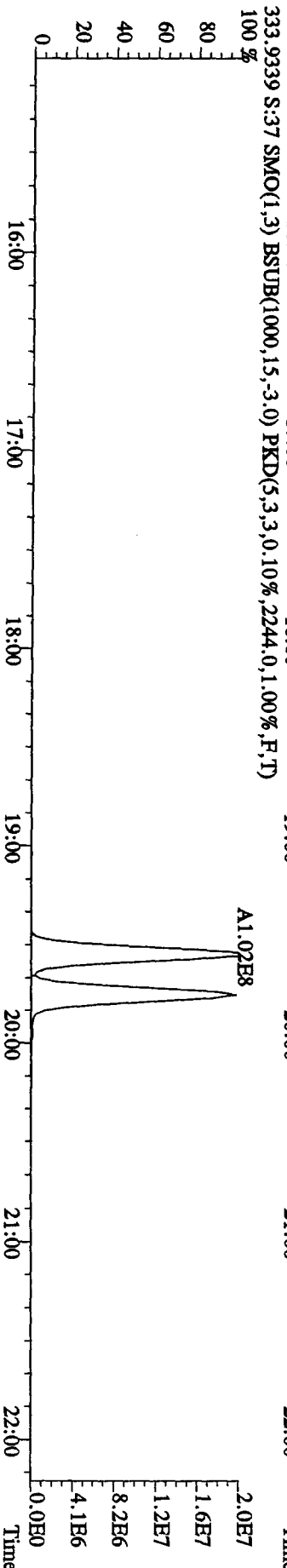
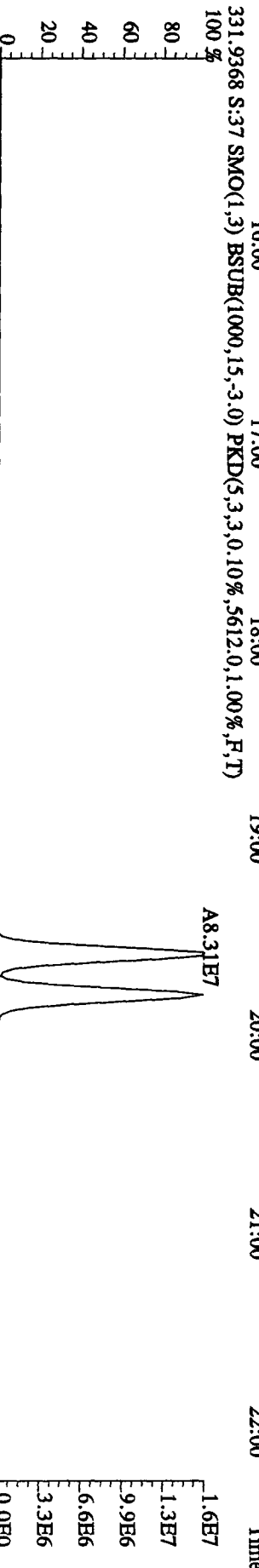
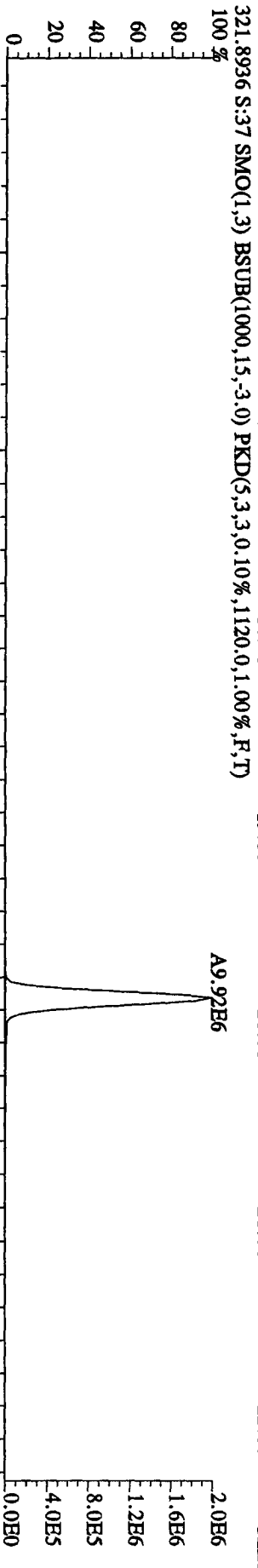
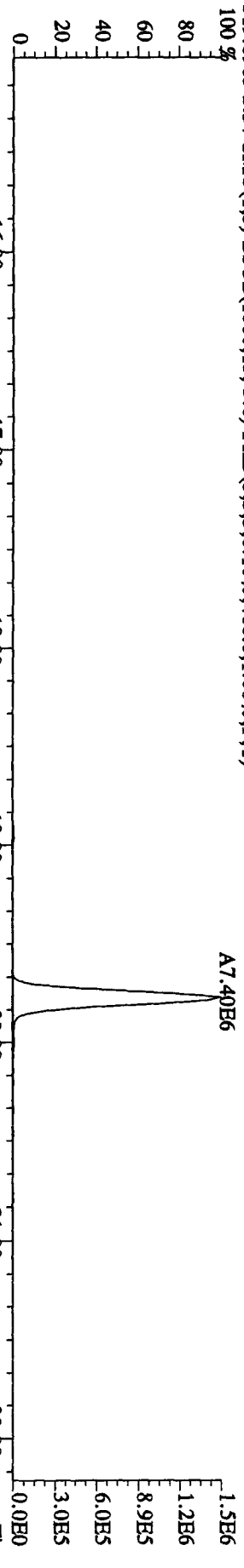
513.6775 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,452.0,1.00%,F,T) 100% 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00



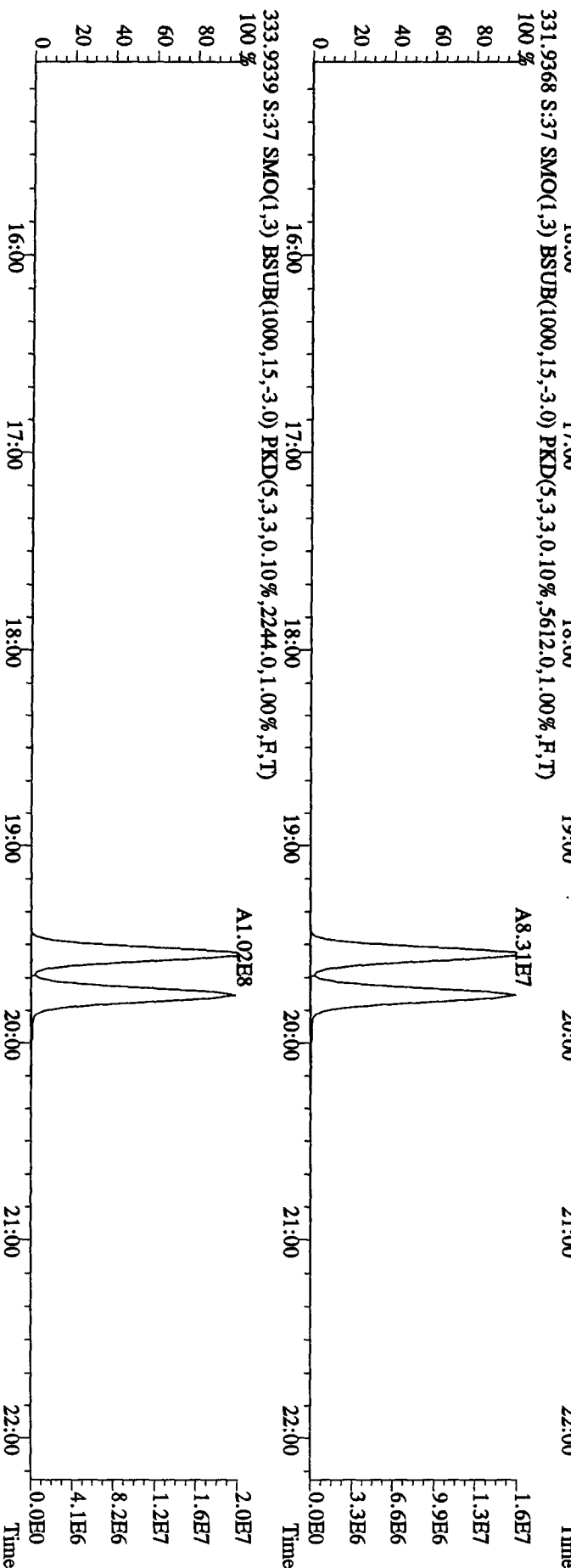
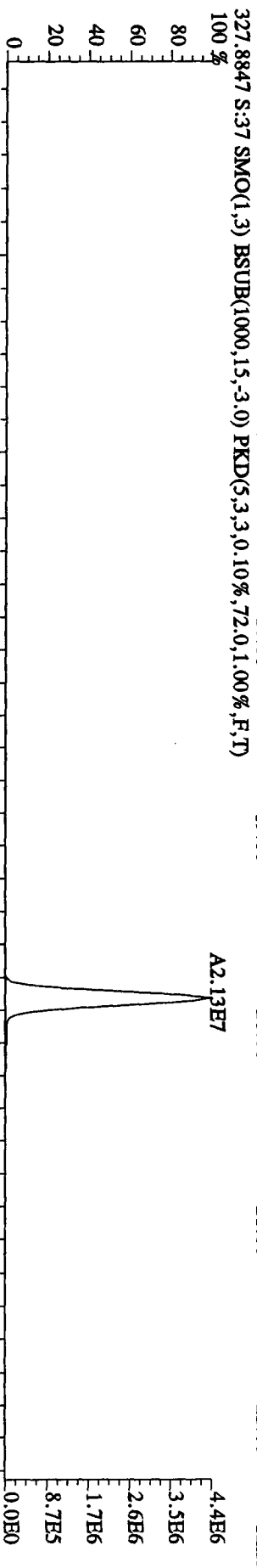
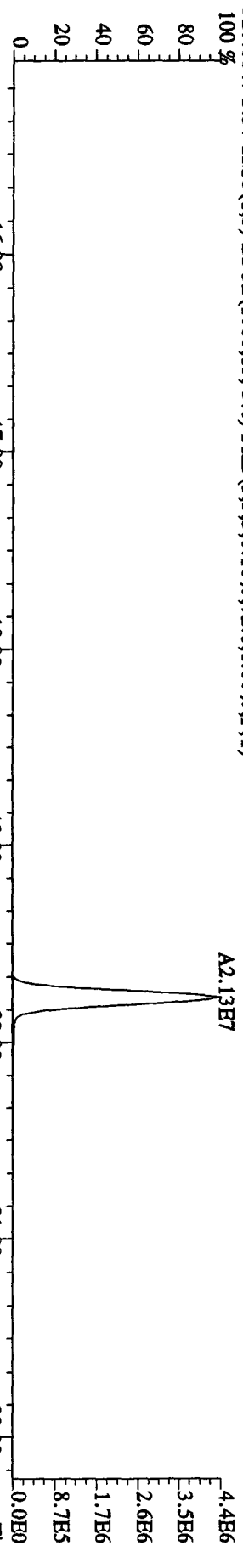
File: 21AP10BAD5 #1-434 Acq: 22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text: ST0421D :CS3 10DDXN111 Exp: DIOXINRES8290A
 303.9016 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



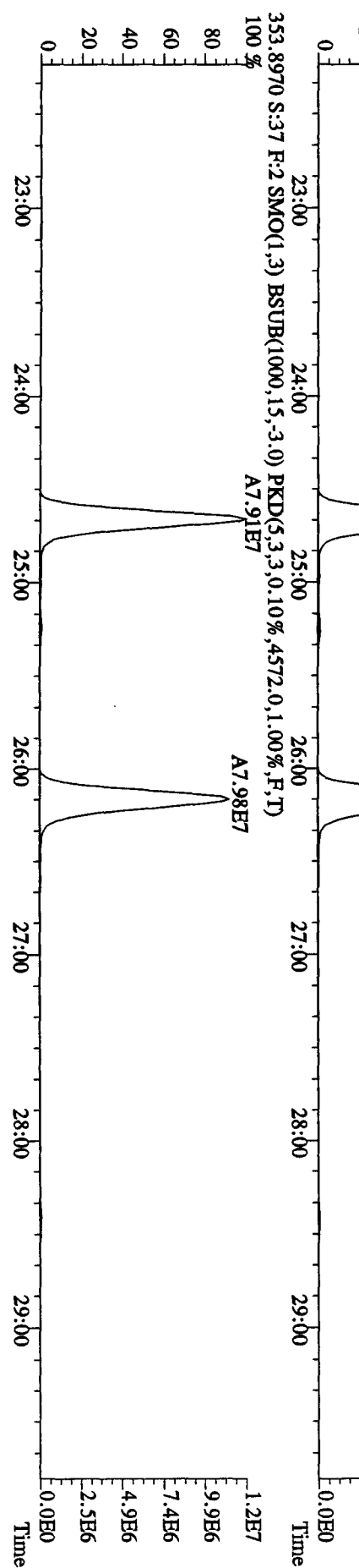
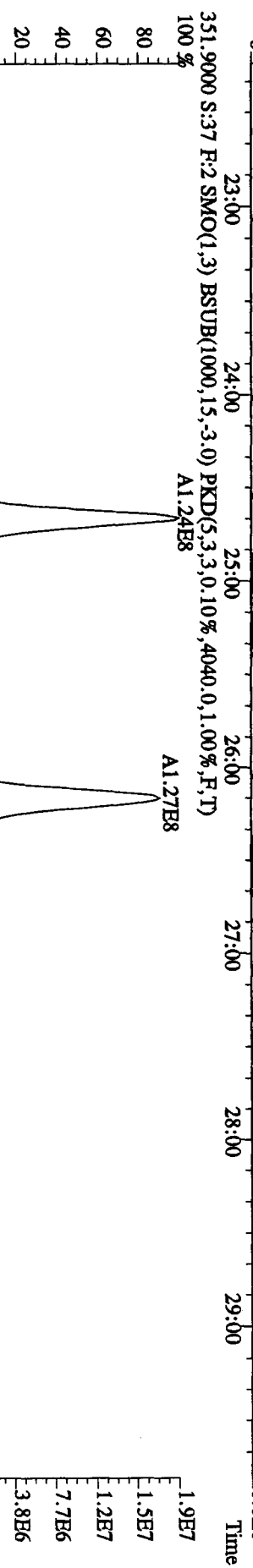
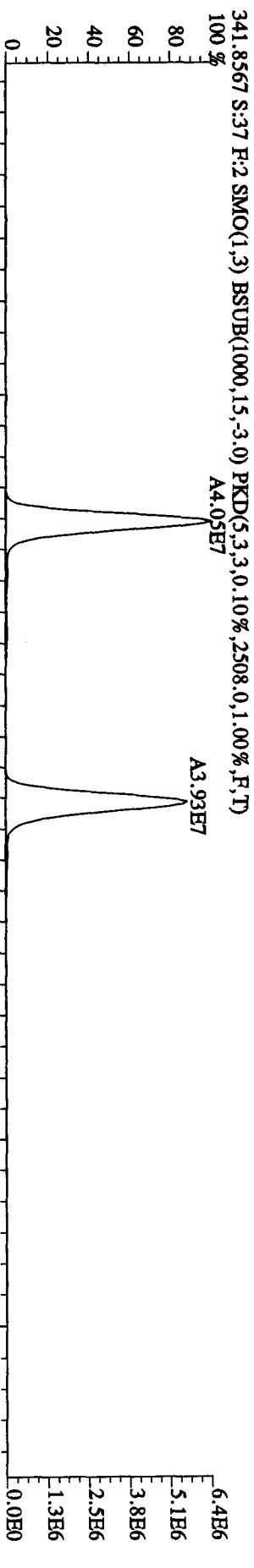
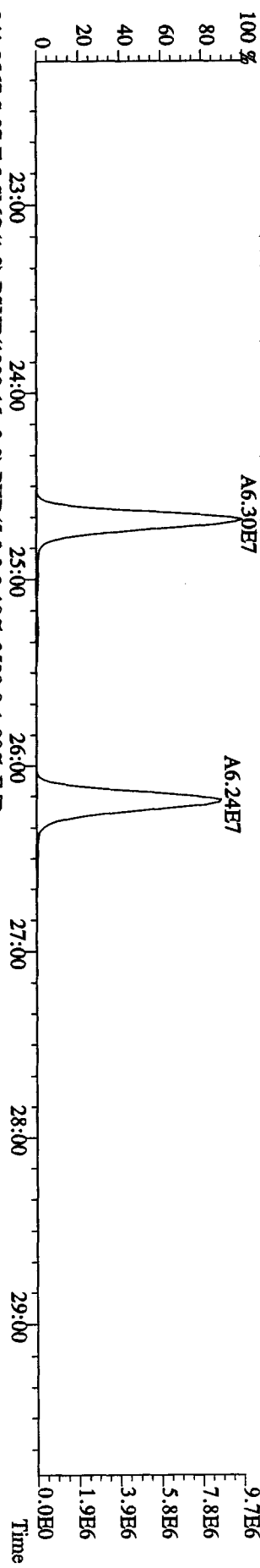
File:21AP10B4D5 #1-434 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#37 Text:ST0421D :CS3 10DXN111 Exp:DIOXINRES8290A
 319.8965 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,468.0,1.00%,F,T) 100%



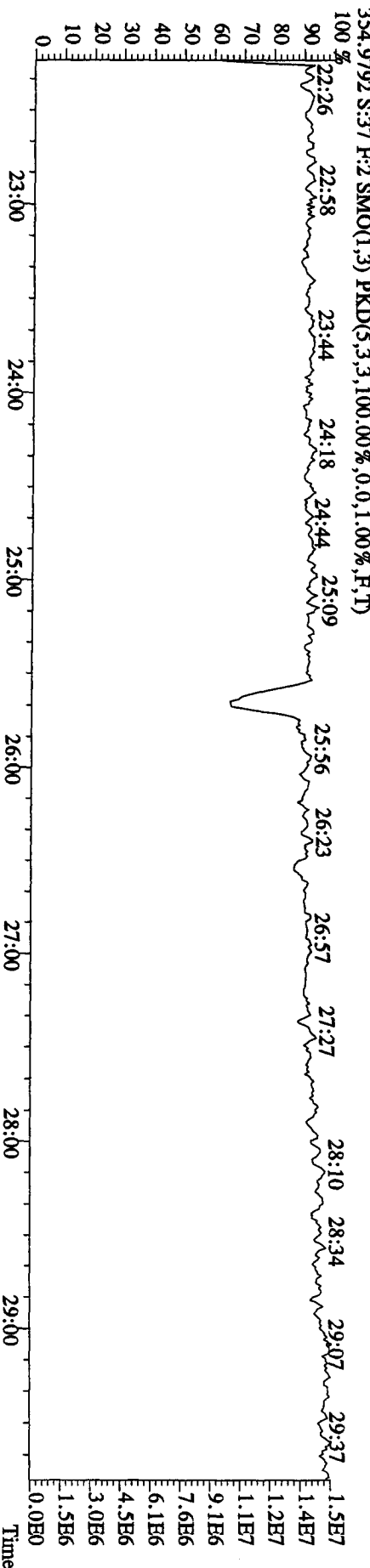
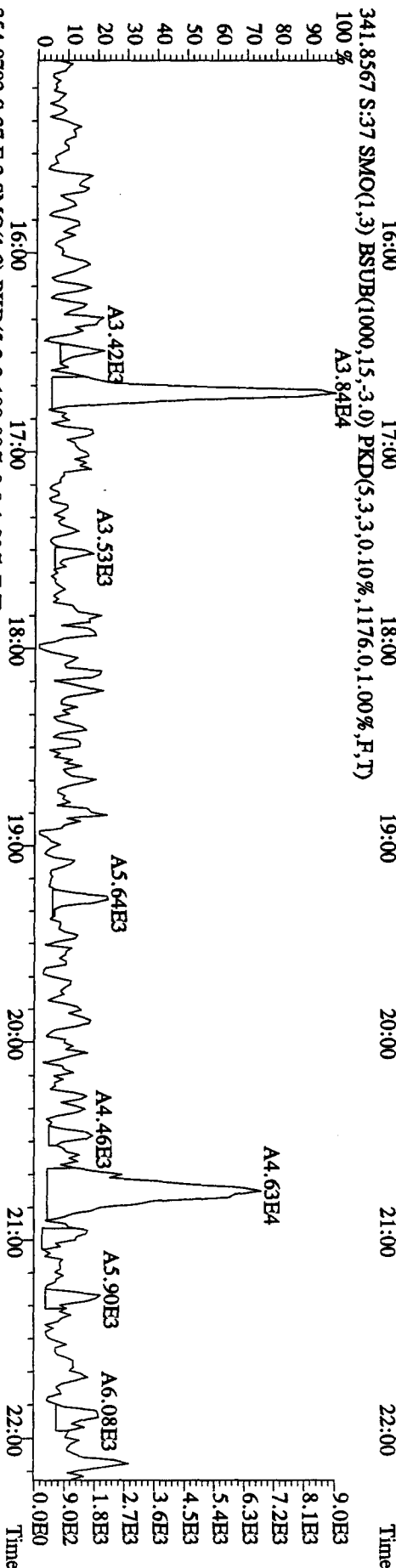
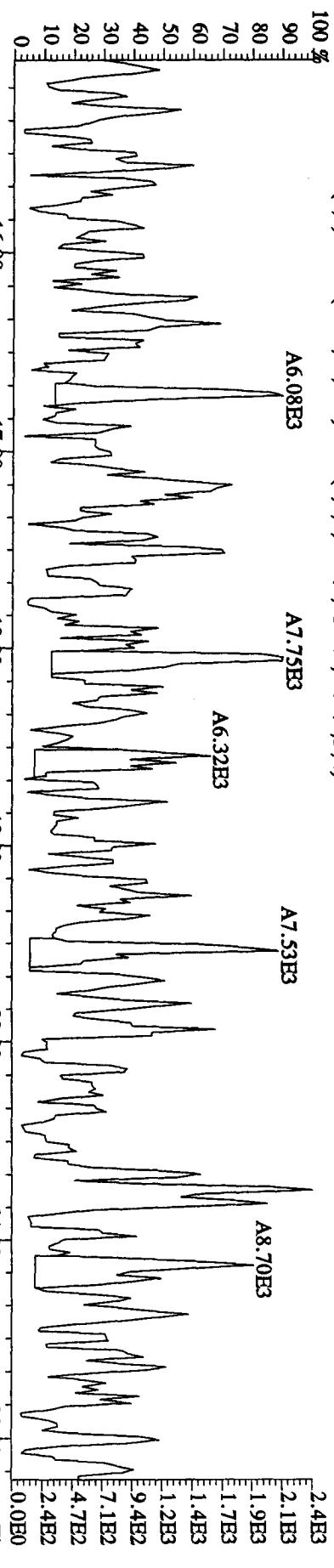
File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#37 Text: ST0421D :CS3 10DXN111 Exp: DIOXINRES8290A
 327.8847 S:37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,72.0,1.00%,F,T)
 100%



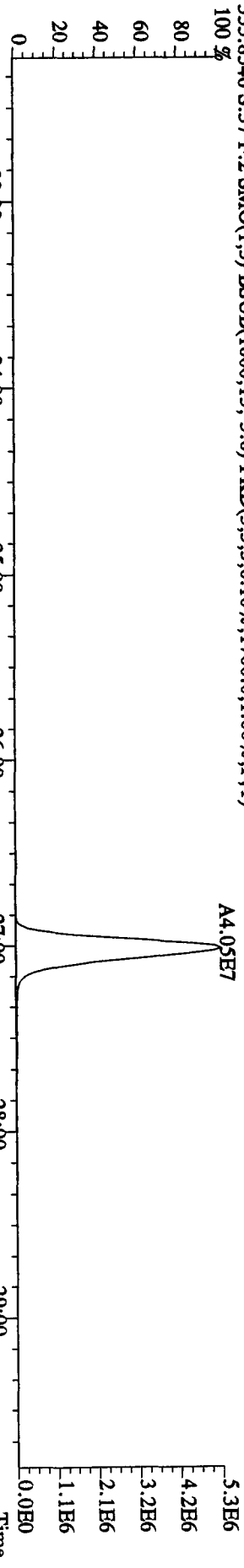
File:21AP10B4D5 #1-604 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text:STD421D :CS3 10DXN111 Exp:DIOXINRES8290A
 339.8597 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2372.0,1.00%,F,T)
 100 %



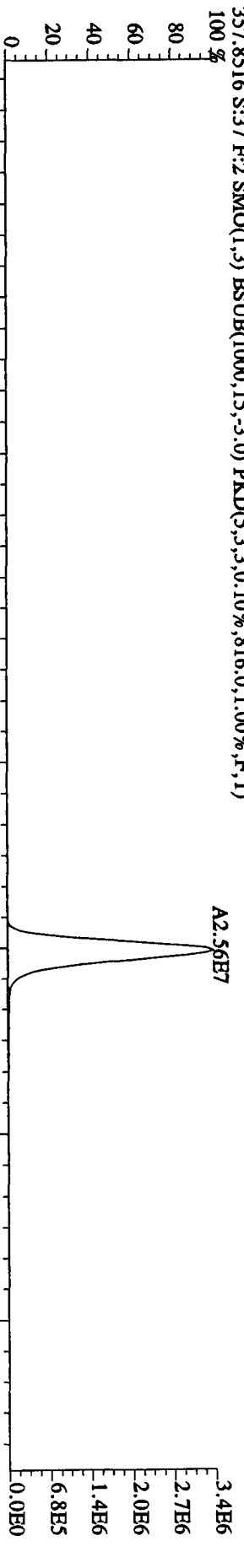
File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 23:31:28 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#37 Text: ST0421ID :CS3 10DXN111 Exp: DIOXINRES8290A
 339.8597 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1164.0,1.00%,F,T)



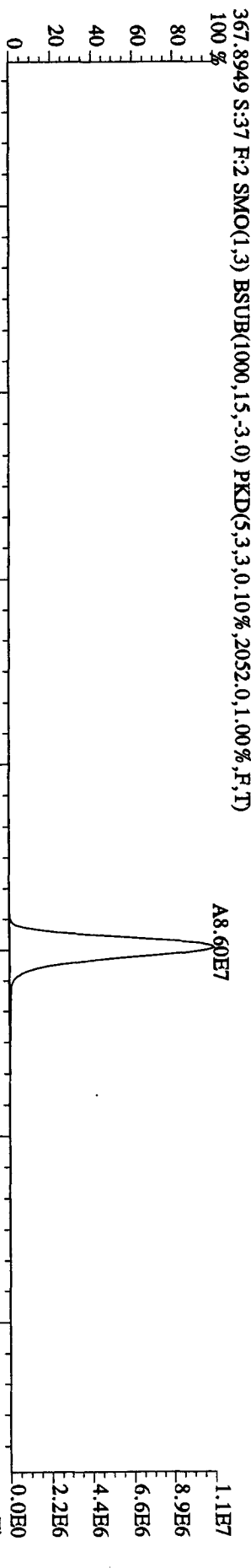
File:21AP10B4D5 #1-604 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text:ST0421D :CS3 10DXN111 Exp:DIOXINRES8290A
 355.8546 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1700.0,1.00%,F,T)
 100 %



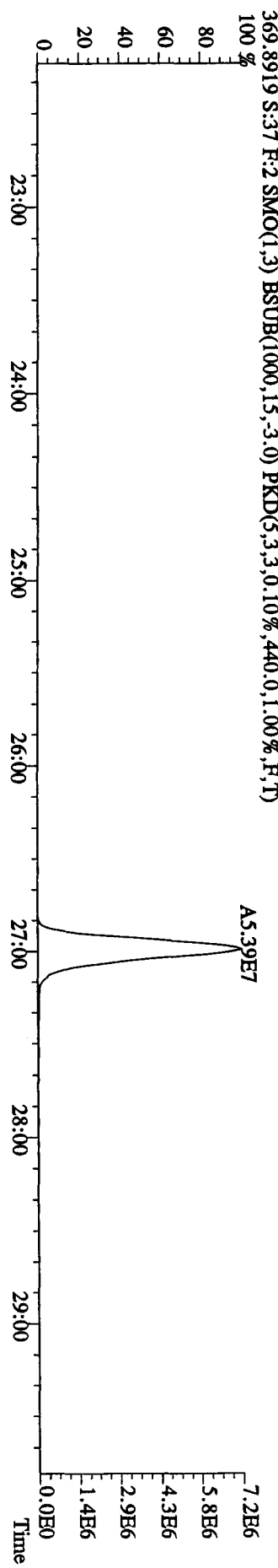
357.8516 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,816.0,1.00%,F,T)
 100 %



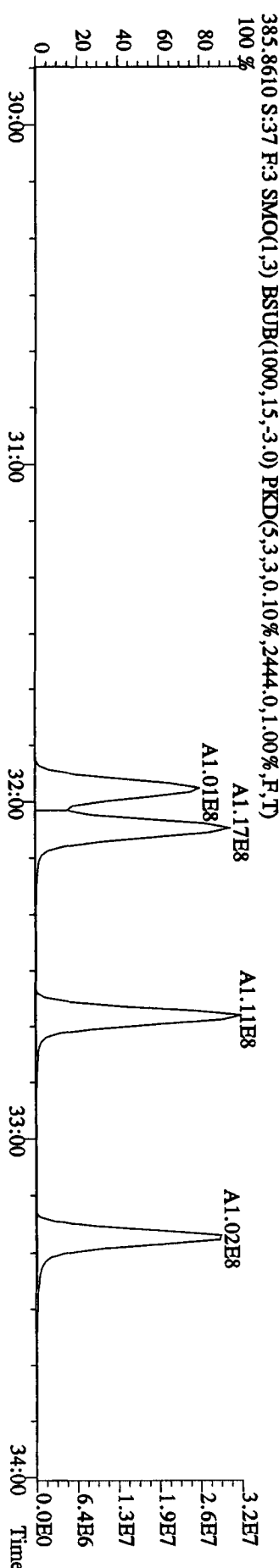
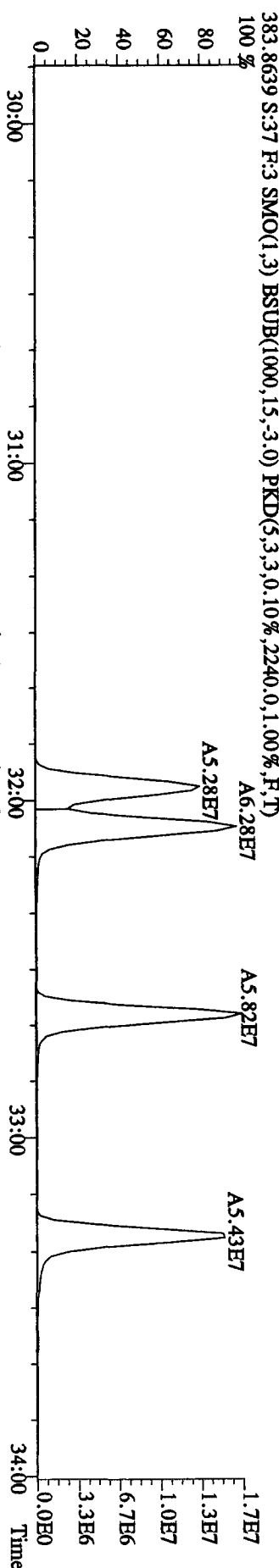
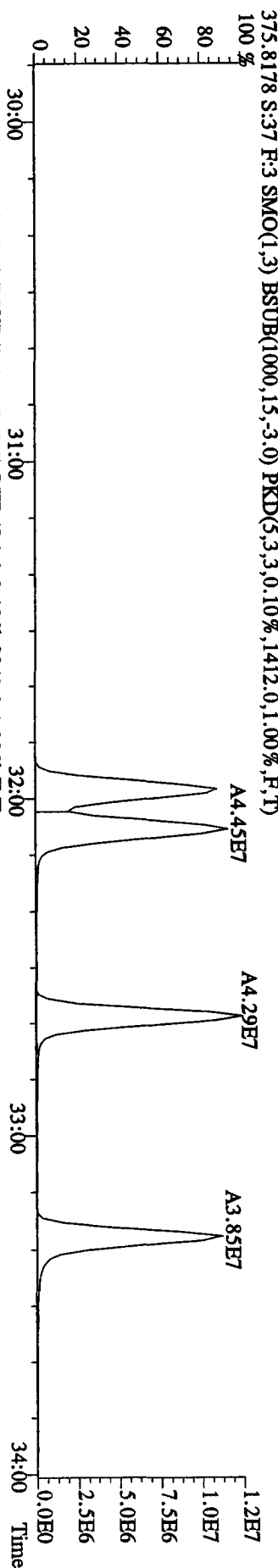
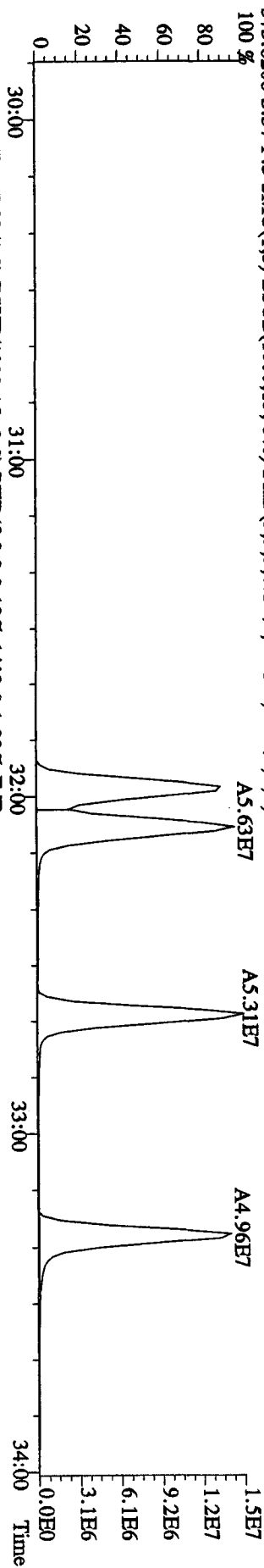
367.8949 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)
 100 %



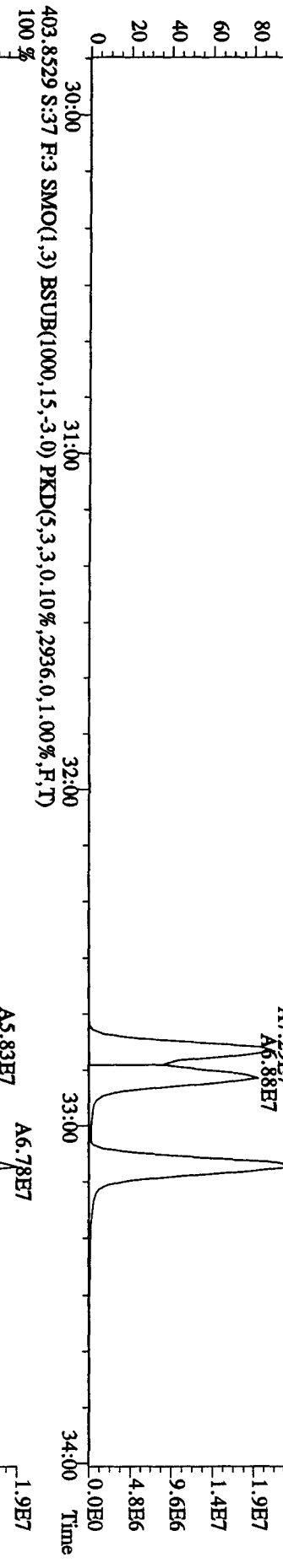
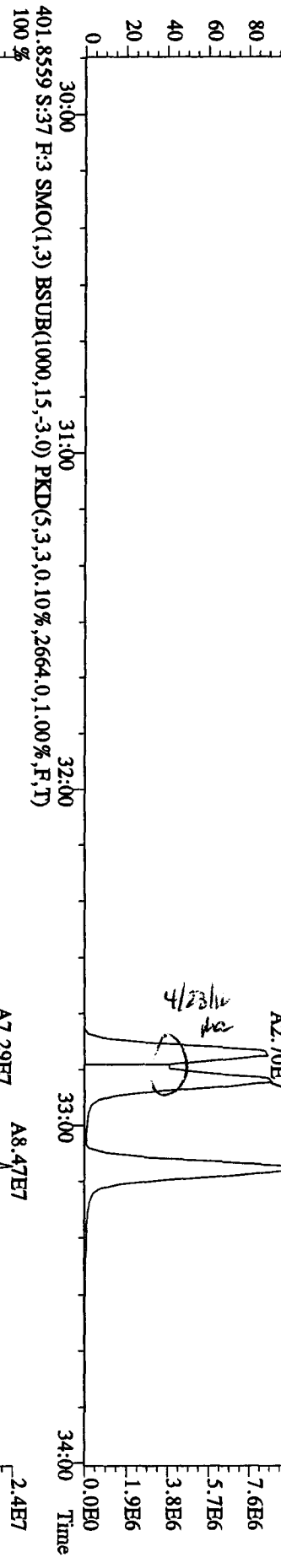
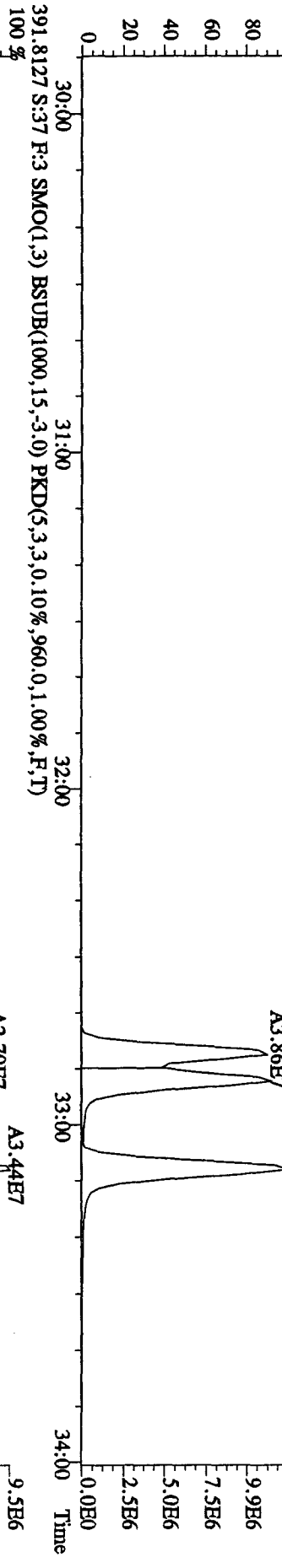
369.8919 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)
 100 %



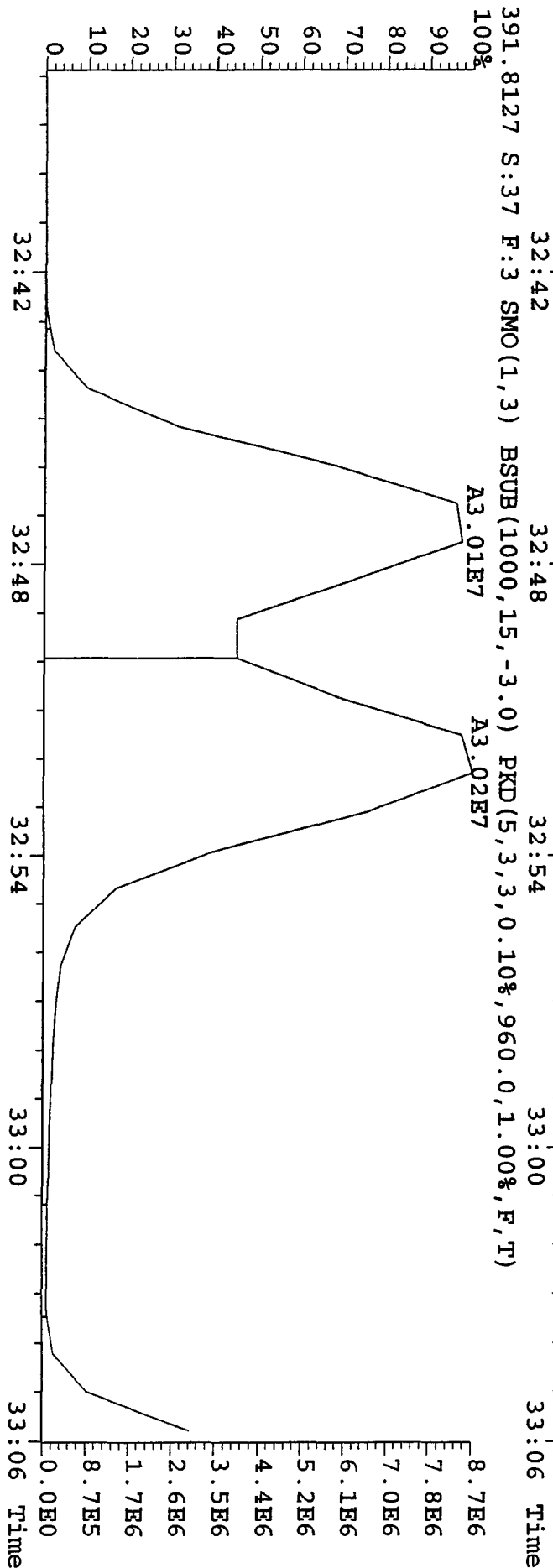
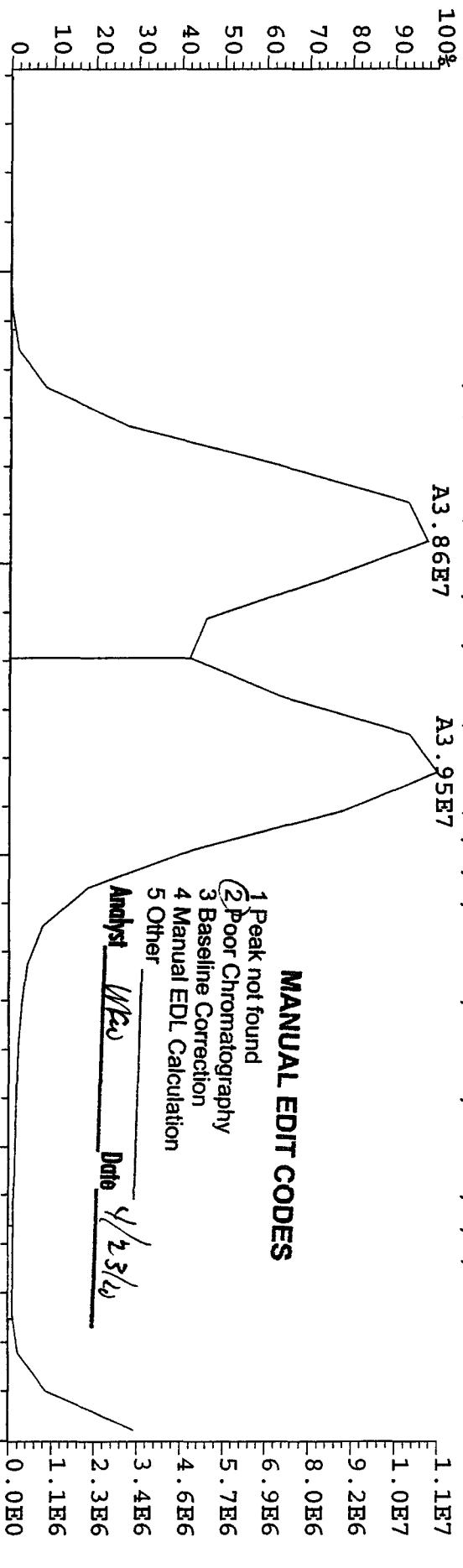
File:21AP10B4D5 #1-317 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text:ST0421ID :CS3 10DXN111 Exp:DIOXINRES8290A
 373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1712.0,1.00%,F,T)
 100 %



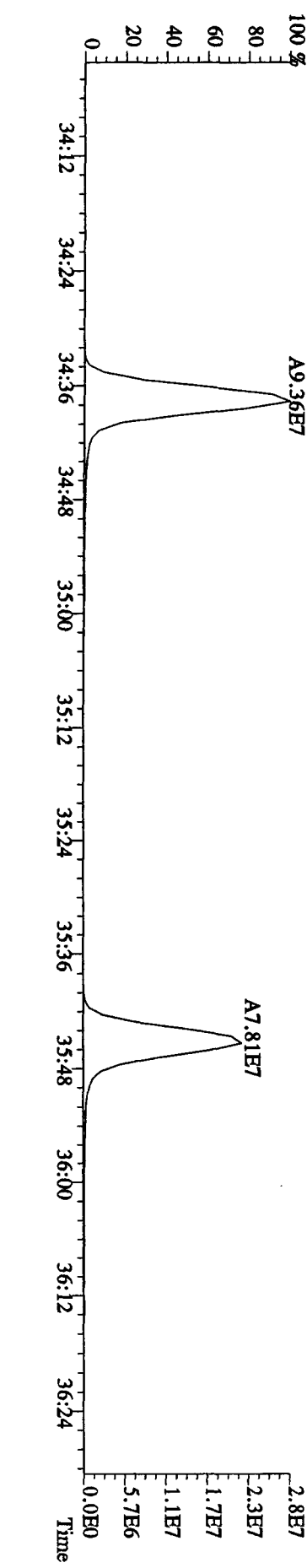
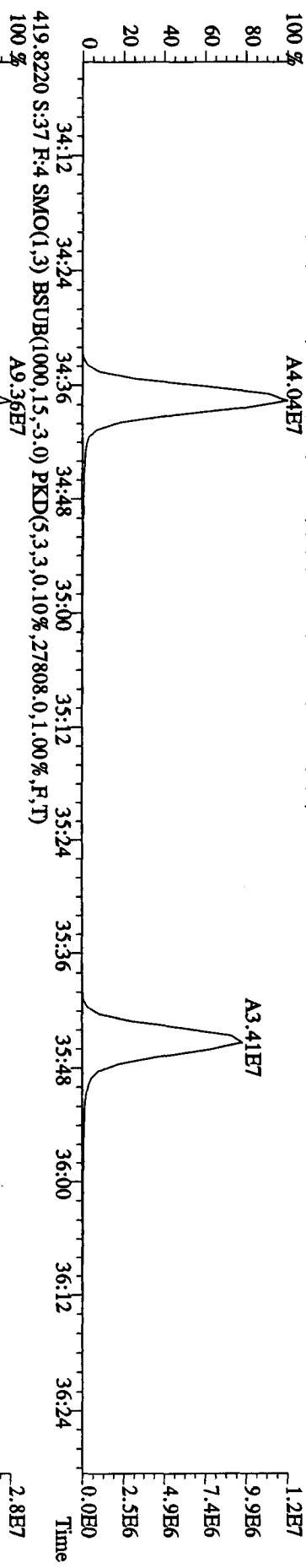
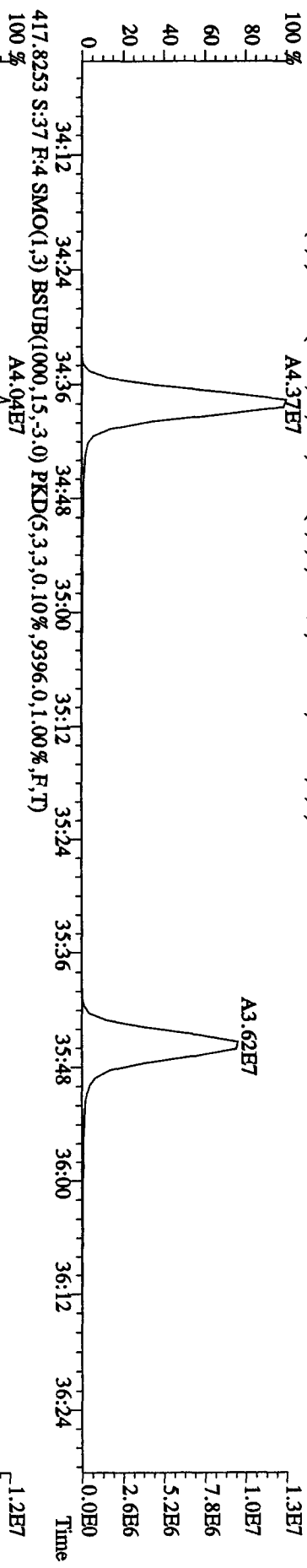
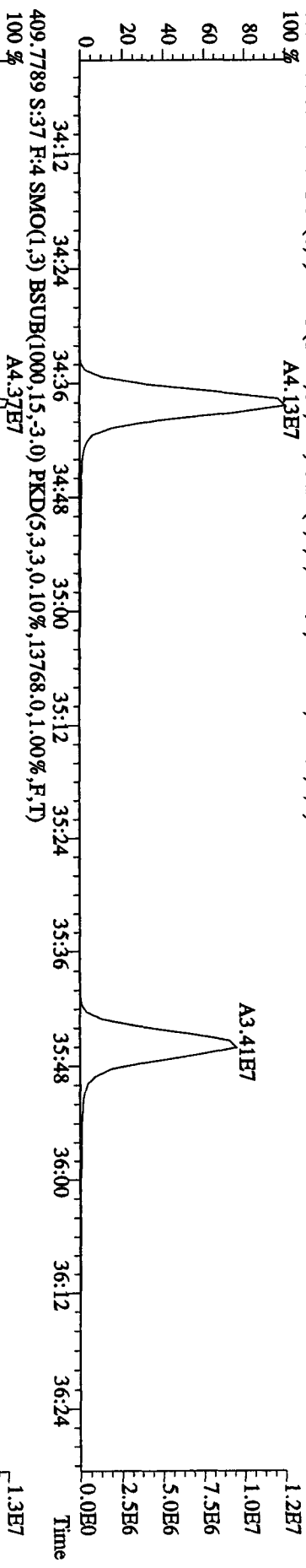
File: 21AP10B4D5 #1-317 Acq: 22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text: ST0421D :CS3 10DXN111 Exp: DIOXINRES8290A
 389.3157 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,900.0,1.00%,F,T)



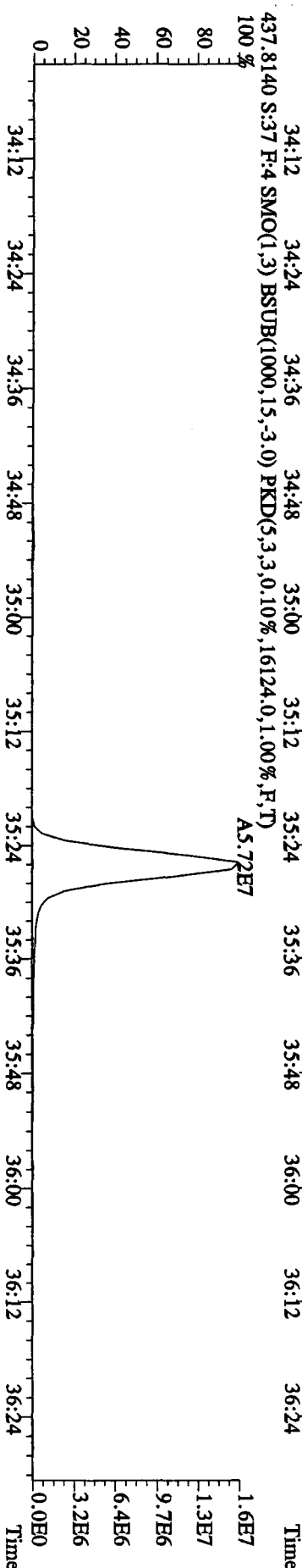
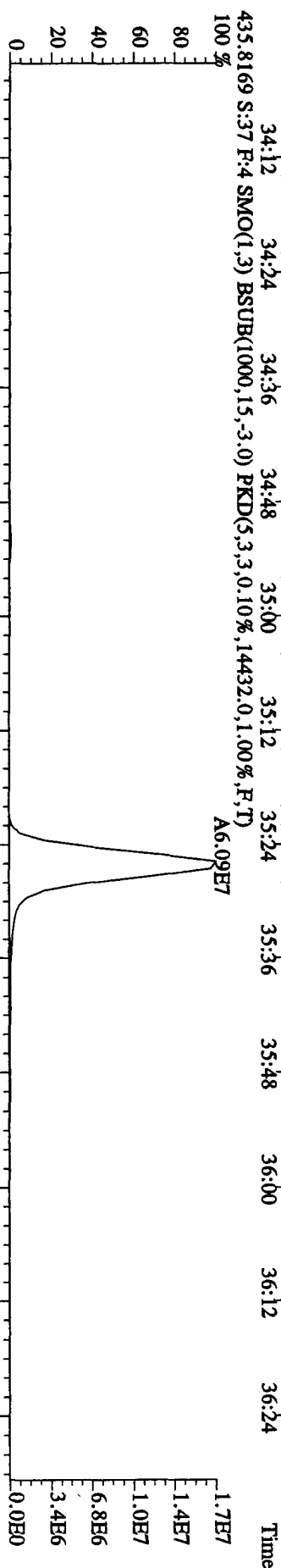
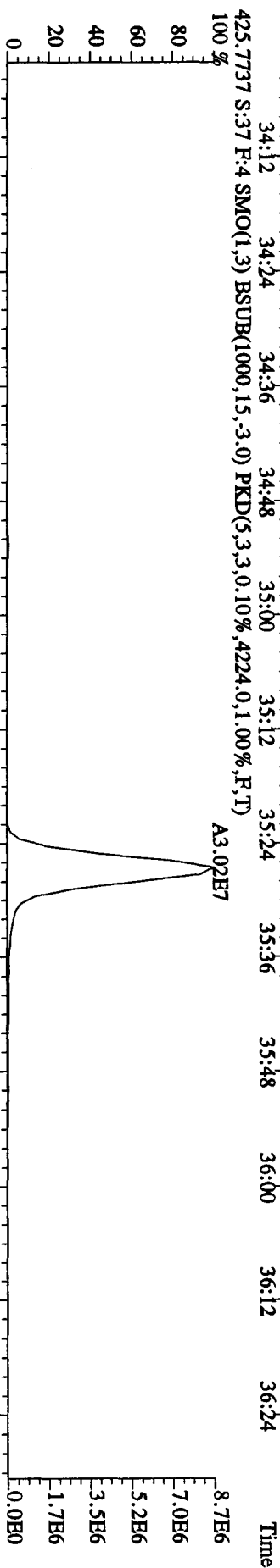
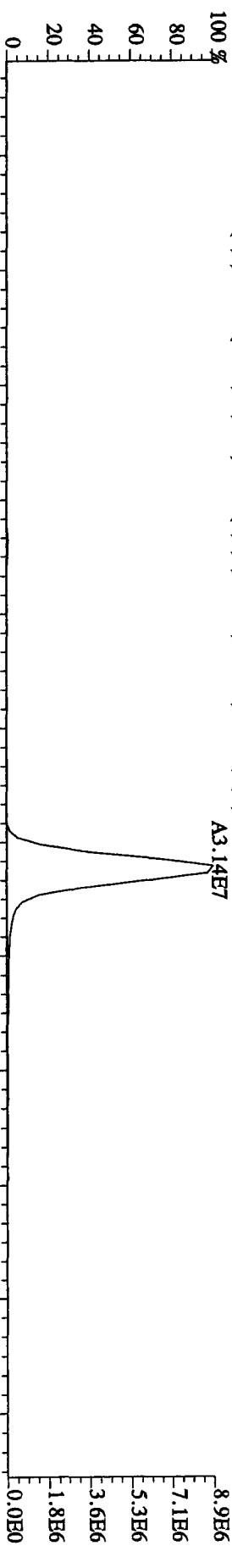
File: 21API0B4D5 #1-317 Acq: 22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text: ST0421D : CS3 10DXN111 Exp: DIOXINRES8290A
 389.8157 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,900.0,1.00%,F,T)



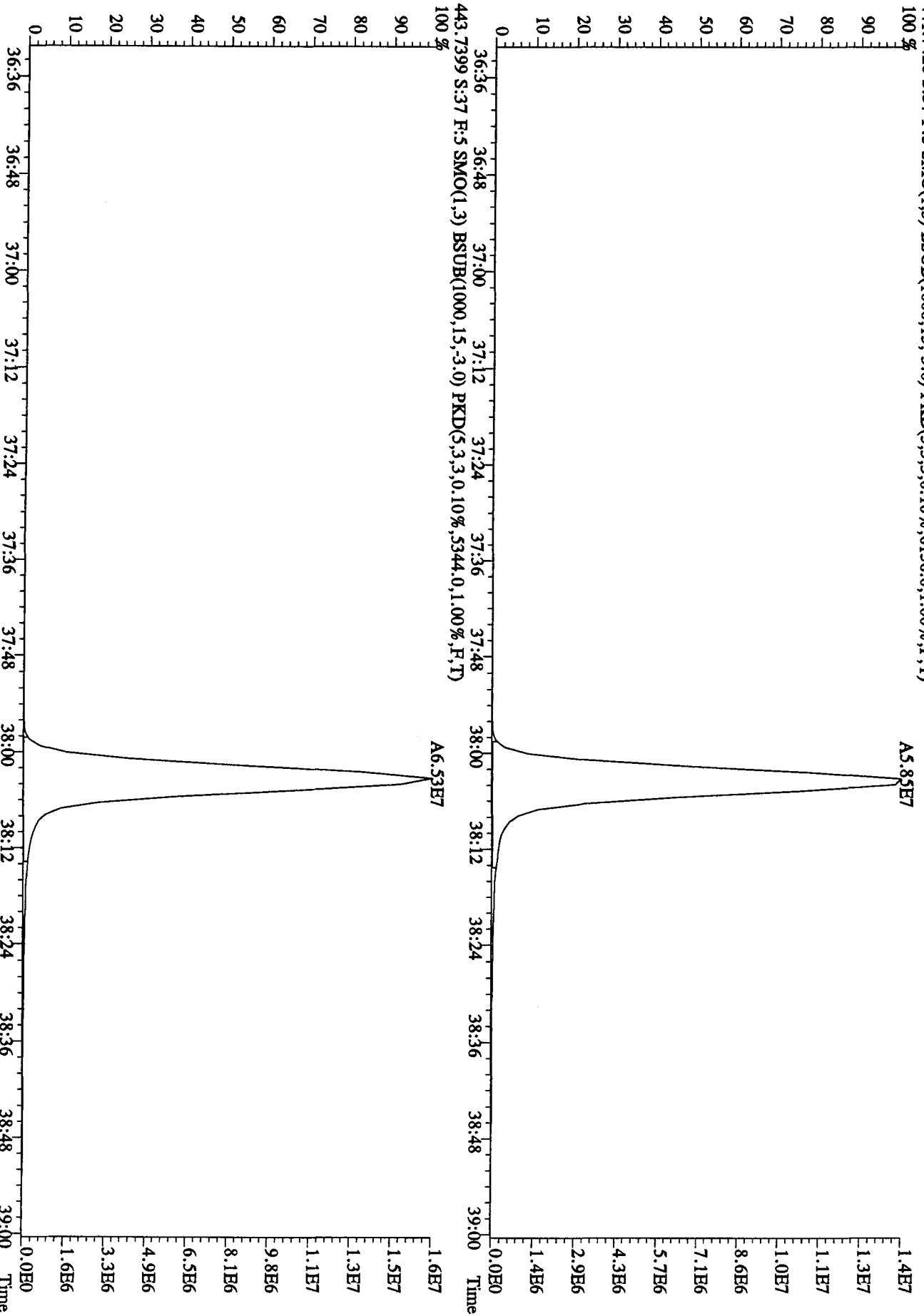
File:21AP10B4D5 #1-198 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text:ST0421D :CS3 10DXN111 Exp:DIOXINRES8290A
 407.7818 S:37 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,1.00%,F,T)
 100%



File:21API0B4D5 #1-198 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-Ultimate
Sample#37 Text:ST0421D :CS3 10DXN111 Exp:DIOXINRES8290A

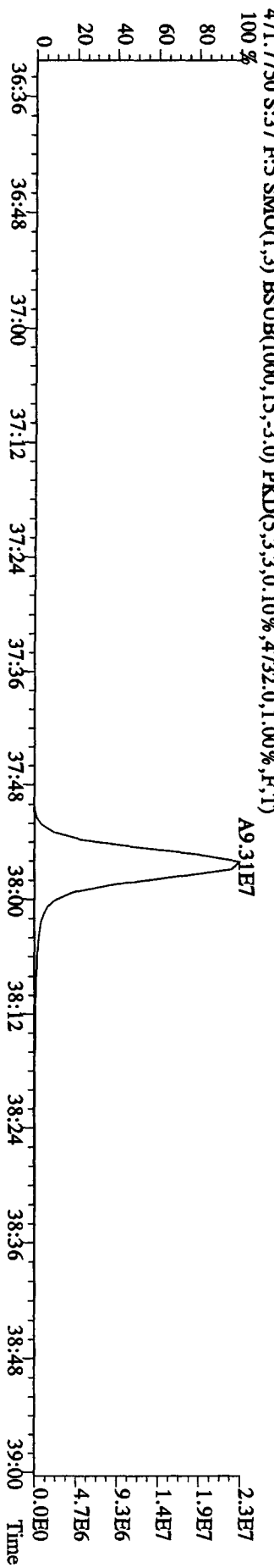
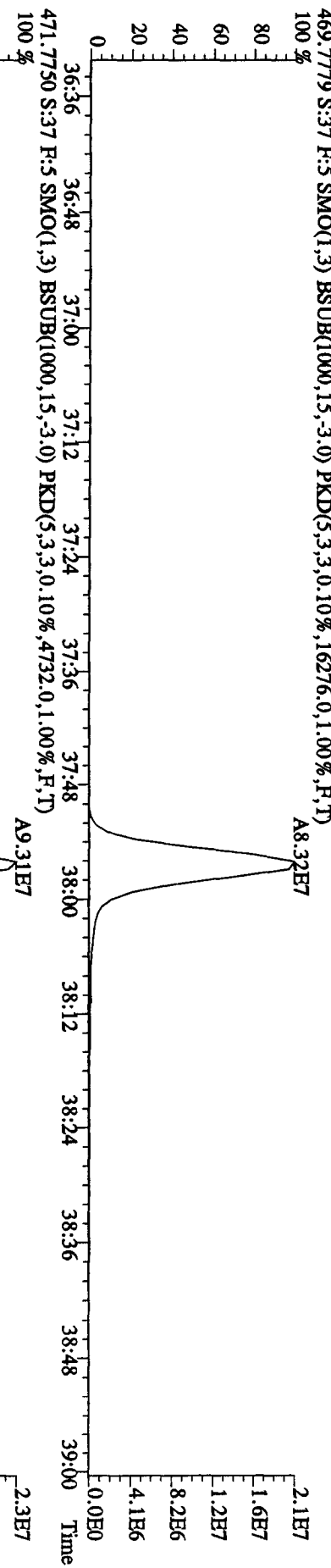
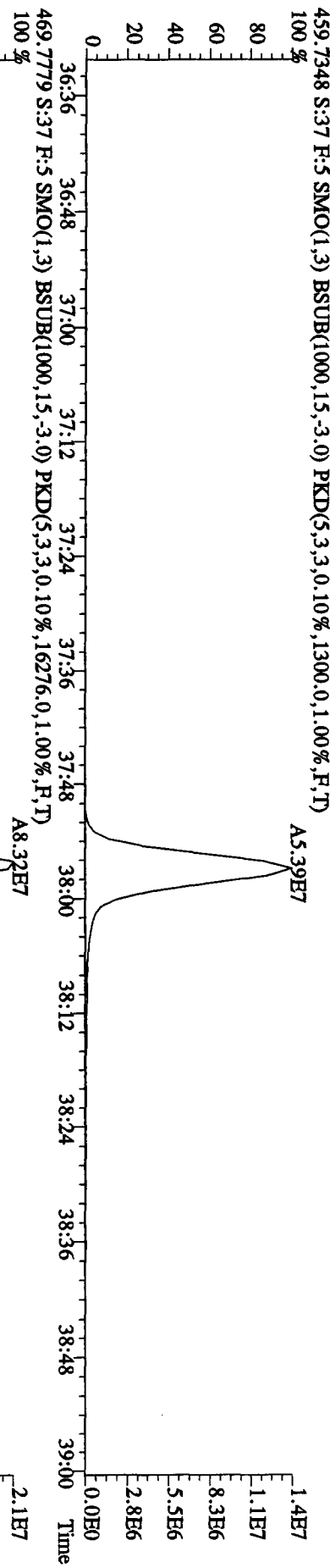
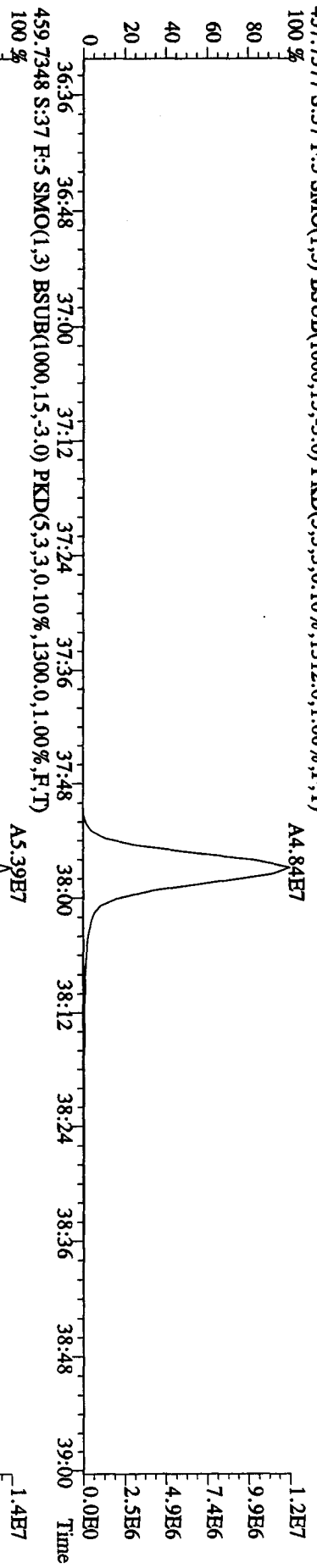


File: 21API0BAD5 #1-190 Acq: 22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text: ST0421D :CS3 10DXN111 Exp: DIOXINRES8290A
 441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6136,0,1,100%,F,T)
 100%



Sample#37 Text:ST0421D :CS3 10DXN111 Exp:DIOXINRES8290A

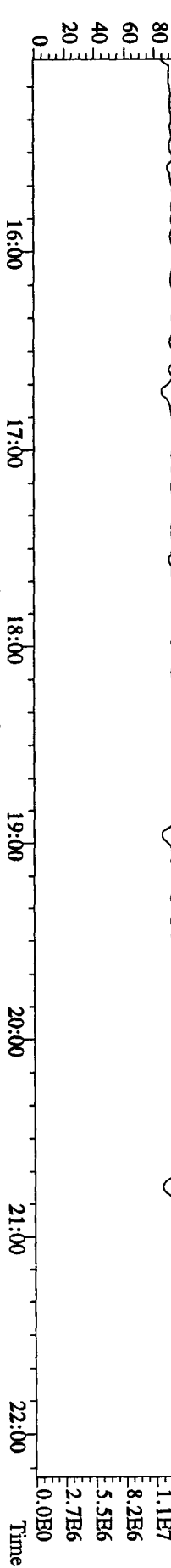
457.7377 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1312.0,1.00%,F,T)



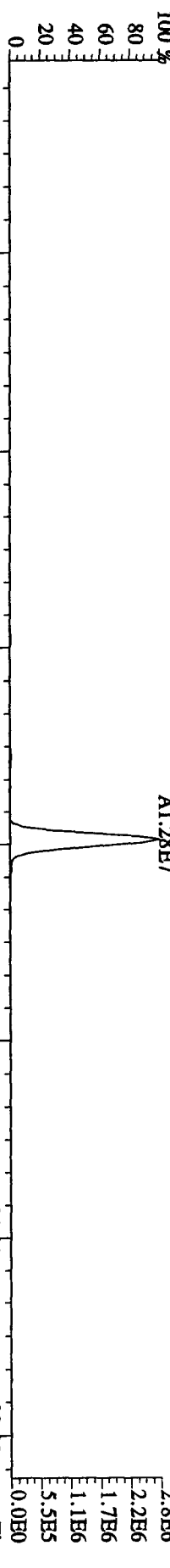
File: 21AP10B4D5 #1-434 Acq: 22-APR-2010 23:31:28 GC: EI + Voltage SIR Autospec-UltimaB

Sample# 37 Text: ST0421D : CS3 10DXN111 Exp: DIOXINRES8290A

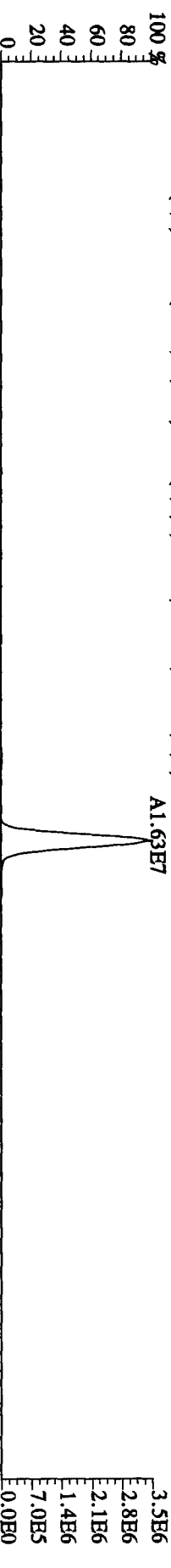
354.9792 S: 37 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:21 15:43 16:15 16:56 17:18 17:50 18:30 18:54 19:20 19:42 20:29 20:55 21:19 21:57



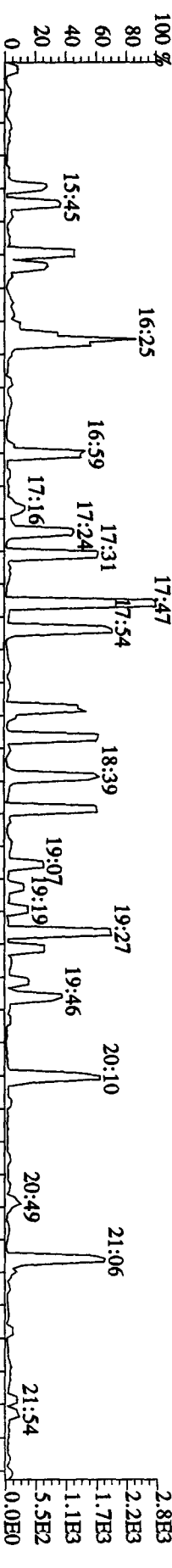
303.9016 S: 37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00



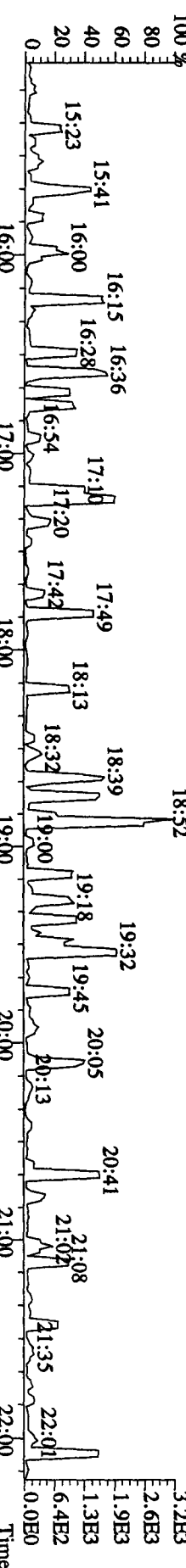
305.8987 S: 37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1828.0,1.00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00



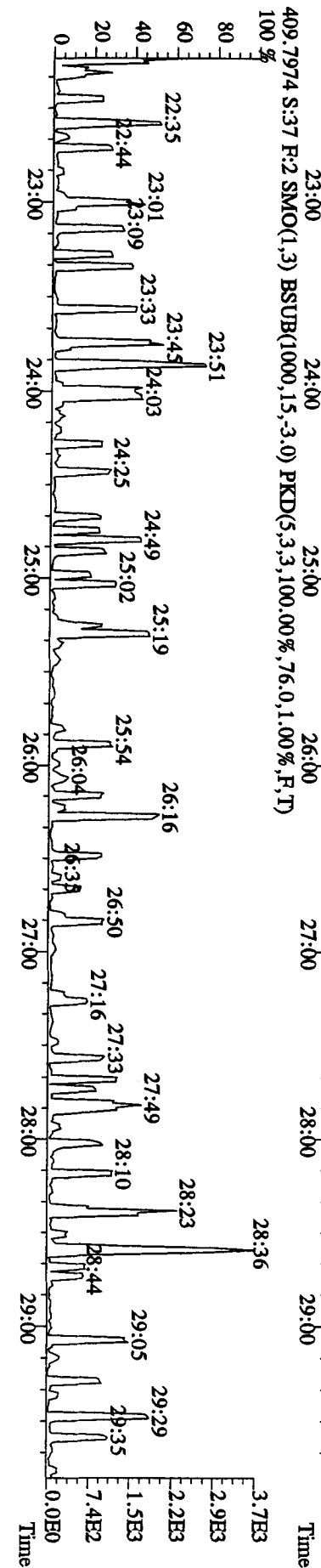
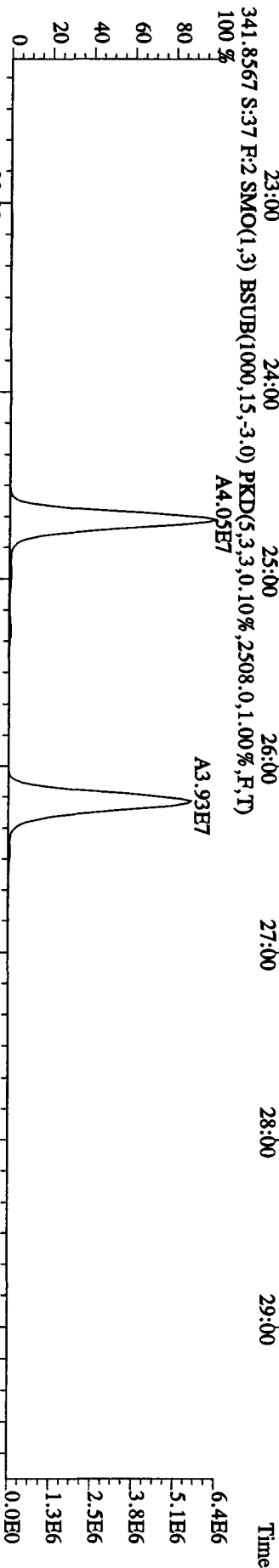
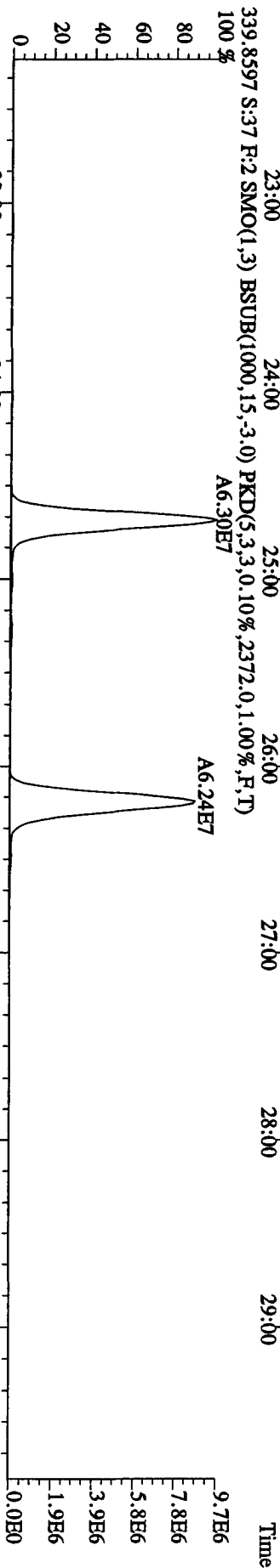
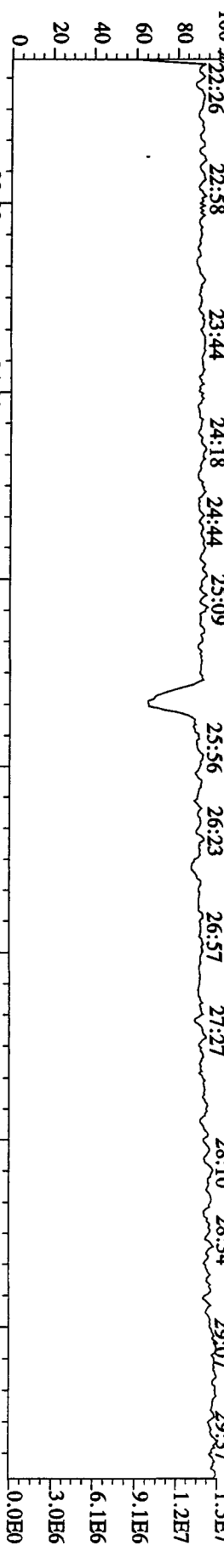
375.8364 S: 37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,80.0,1.00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00



409.7974 S: 37 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

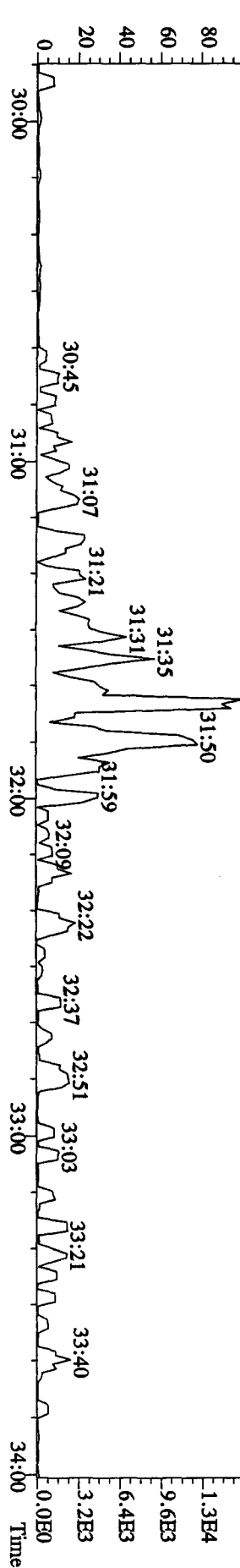
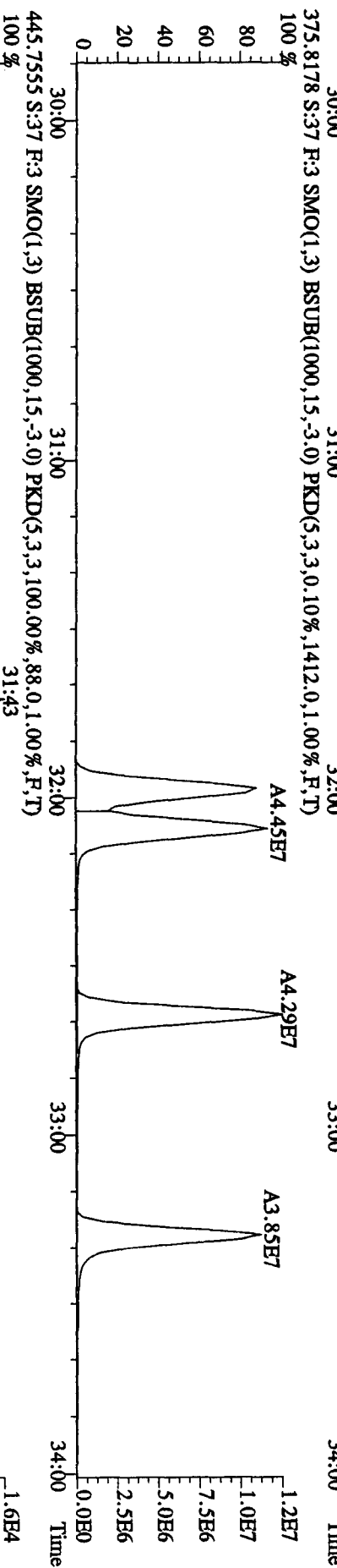
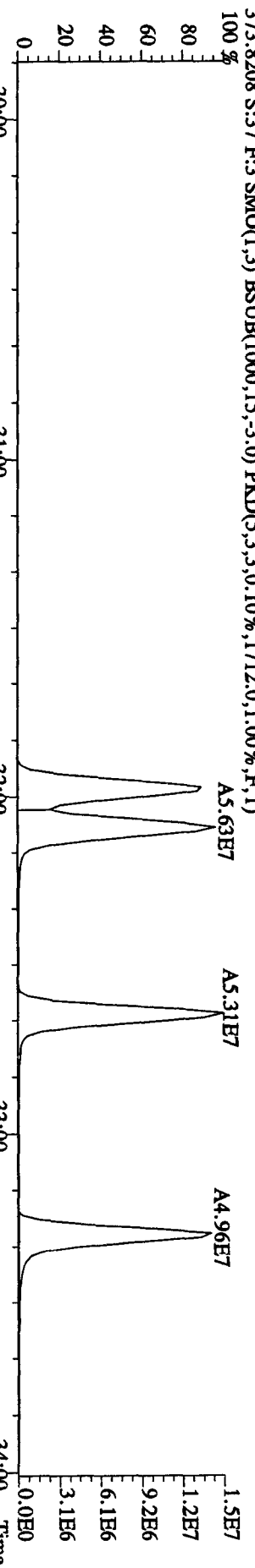
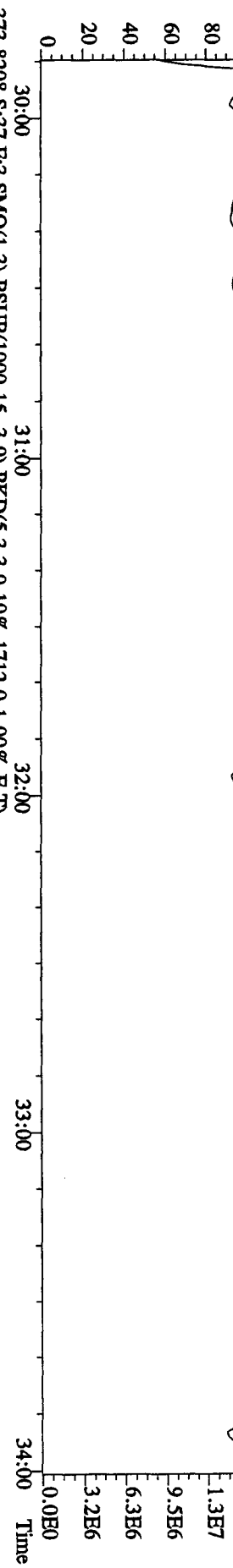


File:21AP10B4D5 #1-604 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text:ST0421D :CS3 10DXN111 Exp:DIOXINRES8290A
 354.9792 S:37 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 22:26 22:58 23:44 24:18 24:44 25:09 25:56 26:23 26:57 27:27 28:10 28:34 29:07 29:37

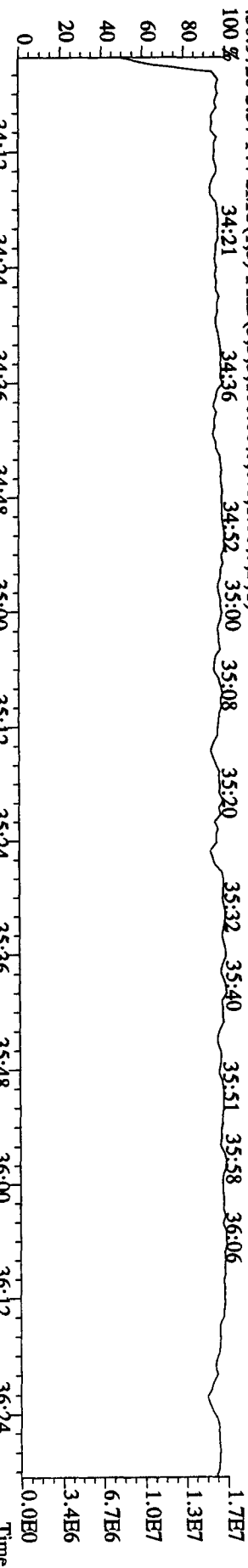


File: 21AP10B4D5 #1-317 Acq: 22-APR-2010 23:31:28 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#37 Text: ST0421D :CS3 10DXN111 Exp: DIOXINRES8290A

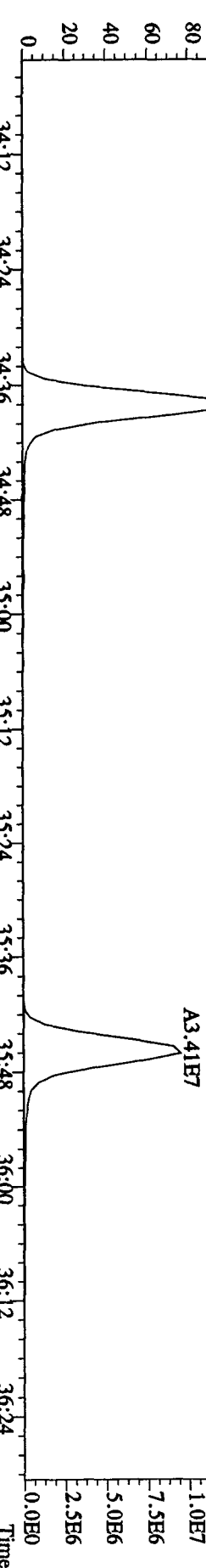
430.9728 S:37 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 30:11 30:26 30:43 31:02 31:33 32:00 32:25 32:43 33:01 33:18 33:47



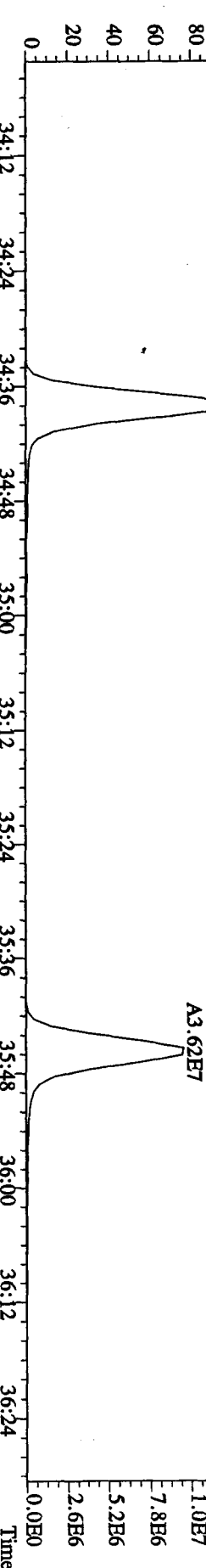
File: 21AP10B4D5 #1-198 Acq: 22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text: ST0421D :CS3 10DXN111 Exp: DIOXINRES8290A
 430.9728 S:37 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 34:21 34:36 34:52 35:00 35:08 35:20 35:32 35:40 35:51 35:58 36:06



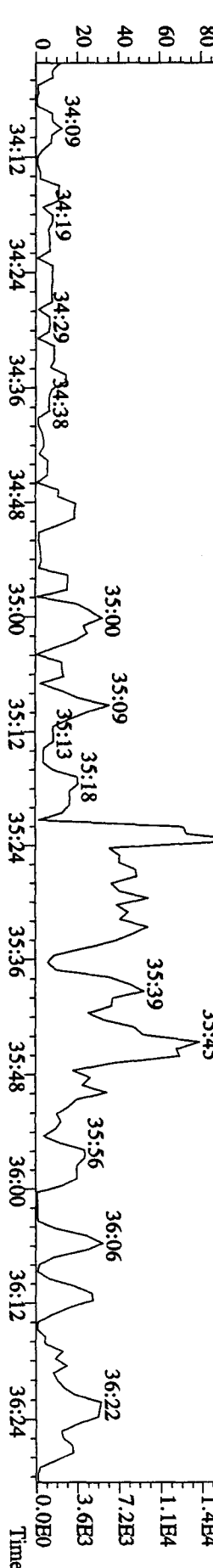
407.7818 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10996,0,1.00%,F,T)
 A4.13E7
 1.2E7
 1.0E7
 7.5E6
 5.0E6
 2.5E6
 0.0E0



409.7789 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13768,0,1.00%,F,T)
 A4.37E7
 1.3E7
 1.0E7
 7.8E6
 5.2E6
 2.6E6
 0.0E0



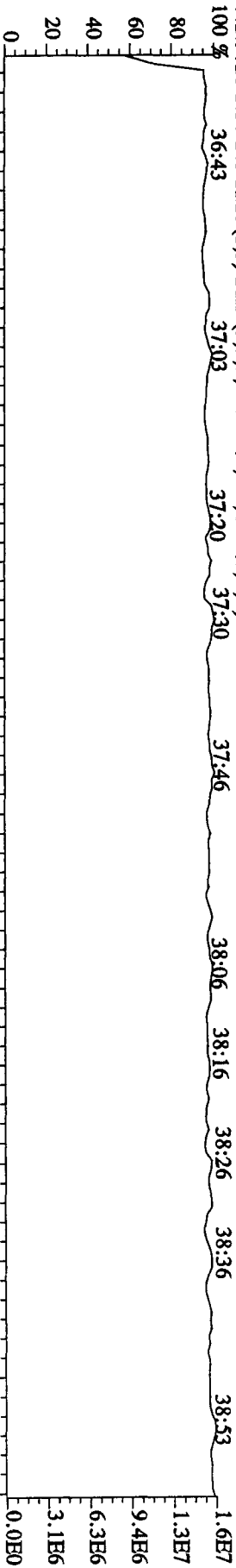
479.7165 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3852,0,1.00%,F,T)
 1.8E4
 1.4E4
 1.1E4
 7.2E3
 3.6E3
 0.0E0



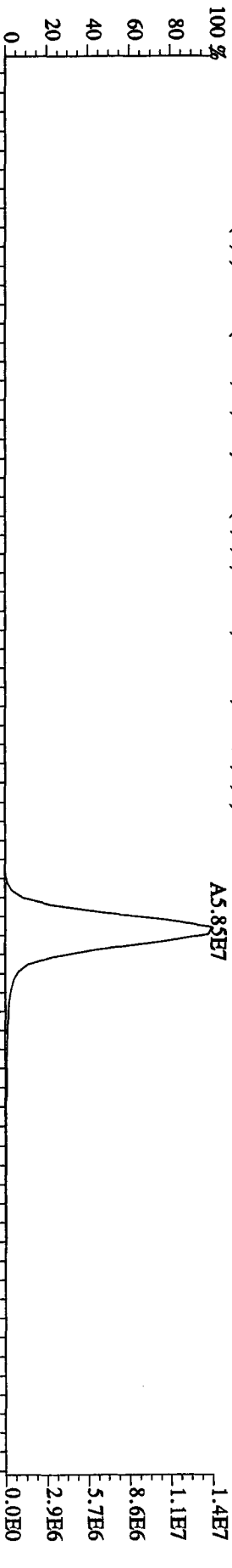
File:21AP10B4D5 #1-190 Acq:22-APR-2010 23:31:28 GC EI+ Voltage SIR Autospec-UltimaE

Sample#37 Text:ST0421D :CS3 10DXN111 Exp:DIOXINRES8290A

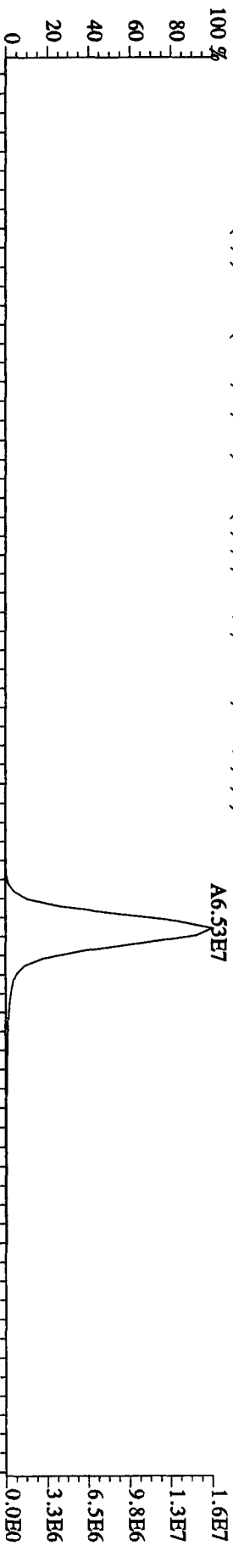
442.9728 S:37 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



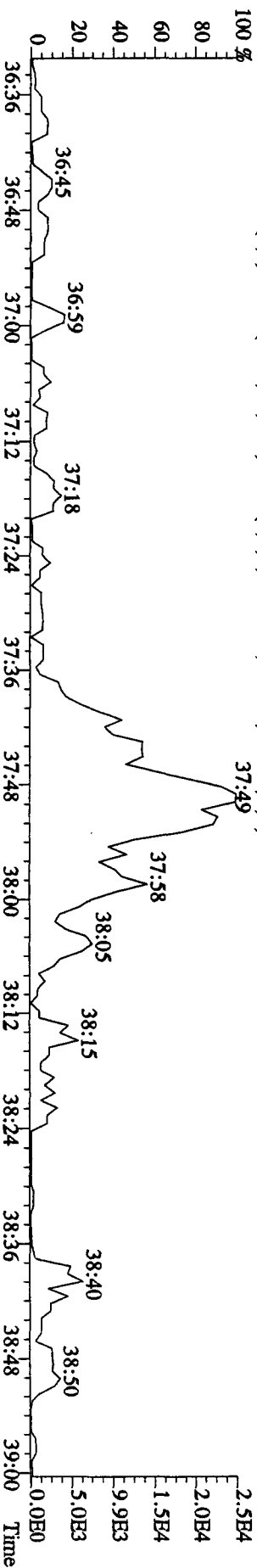
441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6136,0,1.00%,F,T)



443.7399 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5344,0,1.00%,F,T)



513.6775 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2000,0,1.00%,F,T)





Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290

Associated ICAL ICA0304 2010305 8290 00125

Column ID DB5

Instrument ID 305

STD ID ST0422C ST0422D

STD Solution 100XN083

Analyzed by KSS

Date Analyzed 4/23/10 4/24/10

Std. Pkg. By mm

Date Std. Pkg. Assembled 4/24/10

Std. Pkg. Reviewed By VS

Date Std. Pkg. Reviewed 4.25.10 4.24.10 VD

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?*	(i)	✓
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: 13C-1234678 (HxCDD) 33% on closing standard use RRF of 0.87 See NLM

* 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.

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 25 Apr 2010 10:22:06

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	1970591	25.97	25.97	1.00000	1.00000	100.00	0.0	100.0		0.790	NO
2												
3	13C-2,3,7,8-TCDF	3059137	25.36	25.36	1.29217	1.55240	120.14	20.1	120.1		0.770	NO
4	2,3,7,8-TCDF	269234	25.38	25.38	0.98315	0.88010	8.95	-10.5	89.5		0.796	NO
5	Total TCDFs			21.44	0.98315		8.95					
6												
7	13C-2,3,7,8-TCDD	1948961	26.21	26.24	0.89708	0.98902	110.25	10.2	110.2		0.806	NO
8	2,3,7,8-TCDD	208566	26.24	26.24	1.05105	1.07014	10.18	1.8	101.8		0.832	NO
9	Total TCDDs			19.55	1.05105		10.18					
10												
11	37CL-2,3,7,8-TCDD	245048	26.24	26.24	1.06704	1.24353	11.65	16.5	116.5			
12												
13	13C-1,2,3,7,8-PeCDF	2493303	31.20	31.20	1.01112	1.26526	125.13	25.1	125.1		1.588	NO
14	1,2,3,7,8-PeCDF	1231352	31.22	31.22	1.01766	0.98773	48.53	-2.9	97.1		1.595	NO
15	2,3,4,7,8-PeCDF	1249604	32.77	32.77	1.01420	1.00237	49.42	-1.2	98.8		1.575	NO
16	Total F2 PeCDFs			34.47	1.01593		97.95					
17	Total F1 PeCDFs			36.56	1.01593		0.02					
18												
19	13C-1,2,3,7,8-PeCDD	1668329	33.59	33.56	0.66822	0.84661	126.70	26.7	126.7		1.560	NO
20	1,2,3,7,8-PeCDD	842200	33.61	33.62	0.99572	1.00963	50.70	1.4	101.4		1.632	NO
21	Total PeCDDs			31.10	0.99572		50.70					
22												
23	13C-1,2,3,7,8,9-HxCDD	1810017	41.54	41.54	1.00000	1.00000	100.00	0.0	100.0		1.237	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1773558	40.02	40.02	0.88818	0.97986	110.32	10.3	110.3		0.540	NO
26	1,2,3,4,7,8-HxCDF	1081402	40.04	40.04	1.24155	1.21947	49.11	-1.8	98.2		1.239	NO
27	1,2,3,6,7,8-HxCDF	1216005	40.20	40.20	1.42681	1.37126	48.05	-3.9	96.1		1.255	NO
28	2,3,4,6,7,8-HxCDF	1131143	40.95	40.95	1.28770	1.27556	49.53	-0.9	99.1		1.309	NO
29	1,2,3,7,8,9-HxCDF	998846	41.72	41.72	1.21630	1.12638	46.30	-7.4	92.6		1.273	NO
30	Total HxCDFs			0.00	1.29309		193.00					
31												
32	13C-1,2,3,6,7,8-HxCDD	1560950	41.22	41.22	0.81128	0.86240	106.30	6.3	106.3		1.213	NO
33	1,2,3,4,7,8-HxCDD	729797	41.13	41.13	0.88272	0.93507	52.97	5.9	105.9		1.280	NO
34	1,2,3,6,7,8-HxCDD	866463	41.23	41.23	1.08449	1.11017	51.18	2.4	102.4		1.284	NO
35	1,2,3,7,8,9-HxCDD	854430	41.55	41.55	1.18402	1.09476	46.23	-7.5	92.5		1.261	NO
36	Total HxCDDs			0.00	1.05041		150.38					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1597692	43.19	43.19	0.80110	0.88269	110.19	10.2	110.2		0.432	NO
39	1,2,3,4,6,7,8-HpCDF	1085458	43.20	43.20	1.38128	1.35878	49.19	-1.6	98.4		1.046	NO
40	1,2,3,4,7,8,9-HpCDF	951802	44.39	44.39	1.10952	1.19147	53.69	7.4	107.4		1.077	NO
41	Total HpCDFs			0.00	1.24540		102.88					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1511651	44.05	44.05	0.68208	0.83516	122.44	22.4	122.4		1.110	NO
44	1,2,3,4,6,7,8-HpCDD	773353	44.06	44.06	1.03068	1.02319	49.64	-0.7	99.3		1.082	NO
45	Total HpCDDs			0.00	1.03068		49.64					

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
47	13C-OCDD	2242562	46.64	46.64	0.49708	0.61949	249.25	24.6	124.6		0.910	NO
48	OCDF	1597374	46.74	46.74	1.42582	1.42460	99.91	-0.1	99.9		0.932	NO
49	OCDD	1326869	46.65	46.65	1.15547	1.18335	102.41	2.4	102.4		0.869	NO
50												
51												
52	Function 1 PFK			26.01								
53	Function 2 PFK	5318	35.63	35.64		5318.2...						
54	Function 3 PFK			31.73								
55	Function 4 PFK			34.66								
56	Function 5 PFK	1559	47.08	47.09		1559.1...						
57	TCDF PCDPE	6	24.18	24.18		6.21700						
58	F1 PeCDF PCDPE			24.64								
59	F2 PeCDF PCDPE			35.30								
60	HXCDF PCDPE	46	40.50	40.57		45.643...						
61	HPCDF PCDPE			43.14								
62	OCDF PCDPE			47.34								

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time
 Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D.	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	2201115	25.97	25.97	1.00000	1.00000	100.00	0.0	100.0		0.829	NO
2												
3	13C-2,3,7,8-TCDF	3244329	25.36	25.36	1.29217	1.47395	114.07	14.1	114.1		0.803	NO
4	2,3,7,8-TCDF	290490	25.38	25.38	0.98315	0.89538	9.11	-8.9	91.1		0.742	NO
5	Total TCDFs			21.44	0.98315		9.11					
6												
7	13C-2,3,7,8-TCDD	2063971	26.21	26.24	0.89708	0.93769	104.53	4.5	104.5		0.808	NO
8	2,3,7,8-TCDD	222351	26.23	26.24	1.05105	1.07730	10.25	2.5	102.5		0.807	NO
9	Total TCDDs			19.55	1.05105		10.25					
10												
11	37CL-2,3,7,8-TCDD	253048	26.23	26.24	1.06704	1.14963	10.77	7.7	107.7			
12												
13	13C-1,2,3,7,8-PeCDF	2624372	31.17	31.20	1.01112	1.19229	117.92	17.9	117.9		1.567	NO
14	1,2,3,7,8-PeCDF	1322163	31.20	31.19	1.01766	1.00760	49.51	-1.0	99.0		1.563	NO
15	2,3,4,7,8-PeCDF	1347826	32.75	32.74	1.01420	1.02716	50.64	1.3	101.3		1.592	NO
16	Total F2 PeCDFs			34.47	1.01593		100.14					
17	Total F1 PeCDFs			36.56	1.01593		0.04					
18												
19	13C-1,2,3,7,8-PeCDD	1655625	33.56	33.56	0.66822	0.75218	112.56	12.6	112.6		1.502	NO
20	1,2,3,7,8-PeCDD	807792	33.59	33.59	0.99572	0.97582	49.00	-2.0	98.0		1.491	NO
21	Total PeCDDs			31.10	0.99572		49.00					
22												
23	13C-1,2,3,7,8,9-HxCDD	1756554	41.54	41.54	1.00000	1.00000	100.00	0.0	100.0		1.263	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1894592	40.01	40.02	0.88818	1.07858	121.44	21.4	121.4		0.512	NO
26	1,2,3,4,7,8-HxCDF	1127362	40.02	40.03	1.24155	1.19008	47.93	-4.1	95.9		1.304	NO
27	1,2,3,6,7,8-HxCDF	1338604	40.20	40.19	1.42681	1.41308	49.52	-1.0	99.0		1.309	NO
28	2,3,4,6,7,8-HxCDF	1201236	40.95	40.94	1.28770	1.26807	49.24	-1.5	98.5		1.229	NO
29	1,2,3,7,8,9-HxCDF	1085912	41.72	41.71	1.21630	1.14633	47.12	-5.8	94.2		1.259	NO
30	Total HxCDFs			0.00	1.29309		193.81					
31												
32	13C-1,2,3,6,7,8-HxCDD	1614631	41.22	41.22	0.81128	0.91920	113.30	13.3	113.3		1.322	NO
33	1,2,3,4,7,8-HxCDD	736956	41.13	41.13	0.88272	0.91285	51.71	3.4	103.4		1.324	NO
34	1,2,3,6,7,8-HxCDD	941772	41.23	41.23	1.08449	1.16655	53.78	7.6	107.6		1.123	NO
35	1,2,3,7,8,9-HxCDD	968300	41.55	41.55	1.18402	1.19941	50.65	1.3	101.3		1.170	NO
36	Total HxCDDs			0.00	1.05041		156.14					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1709149	43.20	43.19	0.80110	0.97301	121.46	21.5	121.5		0.469	NO
39	1,2,3,4,6,7,8-HpCDF	1162878	43.21	43.21	1.38128	1.36077	49.26	-1.5	98.5		1.061	NO
40	1,2,3,4,7,8,9-HpCDF	1012822	44.39	44.40	1.10952	1.18518	53.41	6.8	106.8		1.030	NO
41	Total HpCDFs			0.00	1.24540		102.67					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1587911	44.06	44.05	0.68208	0.90399	132.53	32.5	132.5		1.120	NO
44	1,2,3,4,6,7,8-HpCDD	814069	44.07	44.07	1.03068	1.02533	49.74	-0.5	99.5		1.078	NO
45	Total HpCDDs			0.01	1.03068		49.74					
46												
47	13C-OCDD	2272386	46.65	46.64	0.49708	0.64683	260.25	30.1	130.1		0.859	NO
48	OCDF	1645189	46.74	46.75	1.42582	1.44798	101.55	1.6	101.6		0.922	NO
49	OCDD	1324657	46.66	46.66	1.15547	1.16587	100.99	0.9	100.9		0.922	NO

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D..	Ratio	Ratio Flag
50												
51												
52	Function 1 PFK			26.01								
53	Function 2 PFK	2748	35.64	35.64		2748.1...						
54	Function 3 PFK			31.73								
55	Function 4 PFK			34.66								
56	Function 5 PFK	1329	47.16	47.09		1329.3...						
57	TCDF PCDPE			24.18								
58	F1 PeCDF PCDPE			24.64								
59	F2 PeCDF PCDPE	106	35.23	35.30		105.55...						
60	HXCDF PCDPE	29	40.48	40.57		29.097...						
61	HPCDF PCDPE			43.14								
62	OCDF PCDPE	15	47.35	47.34		14.798...						

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 25 Apr 2010 10:22:06

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	1970591	25.97	25.97	1.00000	1.00000	100.00	0.0	100.0		0.790	NO
2												
3	13C-2,3,7,8-TCDF	3059137	25.36	25.36	1.29217	1.55240	120.14	20.1	120.1		0.770	NO
4	2,3,7,8-TCDF	269234	25.38	25.38	0.98315	0.88010	8.95	-10.5	89.5		0.796	NO
5	Total TCDFs			21.44	0.98315		8.95					
6												
7	13C-2,3,7,8-TCDD	1948961	26.21	26.24	0.89708	0.98902	110.25	10.2	110.2		0.806	NO
8	2,3,7,8-TCDD	208566	26.24	26.24	1.05105	1.07014	10.18	1.8	101.8		0.832	NO
9	Total TCDDs			19.55	1.05105		10.18					
10												
11	37CL-2,3,7,8-TCDD	245048	26.24	26.24	1.06704	1.24353	11.65	16.5	116.5			
12												
13	13C-1,2,3,7,8-PeCDF	2493303	31.20	31.20	1.01112	1.26526	125.13	25.1	125.1		1.588	NO
14	1,2,3,7,8-PeCDF	1231352	31.22	31.22	1.01766	0.98773	48.53	-2.9	97.1		1.595	NO
15	2,3,4,7,8-PeCDF	1249604	32.77	32.77	1.01420	1.00237	49.42	-1.2	98.8		1.575	NO
16	Total F2 PeCDFs			34.47	1.01593		97.95					
17	Total F1 PeCDFs			36.56	1.01593		0.02					
18												
19	13C-1,2,3,7,8-PeCDD	1668329	33.59	33.56	0.66822	0.84661	126.70	26.7	126.7		1.560	NO
20	1,2,3,7,8-PeCDD	842200	33.61	33.62	0.99572	1.00963	50.70	1.4	101.4		1.632	NO
21	Total PeCDDs			31.10	0.99572		50.70					
22												
23	13C-1,2,3,7,8,9-HxCDD	1810017	41.54	41.54	1.00000	1.00000	100.00	0.0	100.0		1.237	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1773558	40.02	40.02	0.88818	0.97986	110.32	10.3	110.3		0.540	NO
26	1,2,3,4,7,8-HxCDF	1081402	40.04	40.04	1.24155	1.21947	49.11	-1.8	98.2		1.239	NO
27	1,2,3,6,7,8-HxCDF	1216005	40.20	40.20	1.42681	1.37126	48.05	-3.9	96.1		1.255	NO
28	2,3,4,6,7,8-HxCDF	1131143	40.95	40.95	1.28770	1.27556	49.53	-0.9	99.1		1.309	NO
29	1,2,3,7,8,9-HxCDF	998846	41.72	41.72	1.21630	1.12638	46.30	-7.4	92.6		1.273	NO
30	Total HxCDFs			0.00	1.29309		193.00					
31												
32	13C-1,2,3,6,7,8-HxCDD	1560950	41.22	41.22	0.81128	0.86240	106.30	6.3	106.3		1.213	NO
33	1,2,3,4,7,8-HxCDD	729797	41.13	41.13	0.88272	0.93507	52.97	5.9	105.9		1.280	NO
34	1,2,3,6,7,8-HxCDD	866463	41.23	41.23	1.08449	1.11017	51.18	2.4	102.4		1.284	NO
35	1,2,3,7,8,9-HxCDD	854430	41.55	41.55	1.18402	1.09476	46.23	-7.5	92.5		1.261	NO
36	Total HxCDDs			0.00	1.05041		150.38					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1597692	43.19	43.19	0.80110	0.88269	110.19	10.2	110.2		0.432	NO
39	1,2,3,4,6,7,8-HpCDF	1085458	43.20	43.20	1.38128	1.35878	49.19	-1.6	98.4		1.046	NO
40	1,2,3,4,7,8,9-HpCDF	951802	44.39	44.39	1.10952	1.19147	53.69	7.4	107.4		1.077	NO
41	Total HpCDFs			0.00	1.24540		102.88					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1511651	44.05	44.05	0.68208	0.83516	122.44	22.4	122.4		1.110	NO
44	1,2,3,4,6,7,8-HpCDD	773353	44.06	44.06	1.03068	1.02319	49.64	-0.7	99.3		1.082	NO
45	Total HpCDDs			0.00	1.03068		49.64					

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
47	13C-OCDD	2242562	46.64	46.64	0.49708	0.61949	249.25	24.6	124.6		0.910	NO
48	OCDF	1597374	46.74	46.74	1.42582	1.42460	99.91	-0.1	99.9		0.932	NO
49	OCDD	1326869	46.65	46.65	1.15547	1.18335	102.41	2.4	102.4		0.869	NO
50												
51												
52	Function 1 PFK			26.01								
53	Function 2 PFK	5318	35.63	35.64		5318.2...						
54	Function 3 PFK			31.73								
55	Function 4 PFK			34.66								
56	Function 5 PFK	1559	47.08	47.09		1559.1...						
57	TCDF PCDPE	6	24.18	24.18		6.21700						
58	F1 PeCDF PCDPE			24.64								
59	F2 PeCDF PCDPE			35.30								
60	HXCDF PCDPE	46	40.50	40.57		45.643...						
61	HPCDF PCDPE			43.14								
62	OCDF PCDPE			47.34								

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	2201115	25.97	25.97	1.00000	1.00000	100.00	0.0	100.0		0.829	NO
2												
3	13C-2,3,7,8-TCDF	3244329	25.36	25.36	1.29217	1.47395	114.07	14.1	114.1		0.803	NO
4	2,3,7,8-TCDF	290490	25.38	25.38	0.98315	0.89538	9.11	-8.9	91.1		0.742	NO
5	Total TCDFs			21.44	0.98315		9.11					
6												
7	13C-2,3,7,8-TCDD	2063971	26.21	26.24	0.89708	0.93769	104.53	4.5	104.5		0.808	NO
8	2,3,7,8-TCDD	222351	26.23	26.24	1.05105	1.07730	10.25	2.5	102.5		0.807	NO
9	Total TCDDs			19.55	1.05105		10.25					
10												
11	37CL-2,3,7,8-TCDD	253048	26.23	26.24	1.06704	1.14963	10.77	7.7	107.7			
12												
13	13C-1,2,3,7,8-PeCDF	2624372	31.17	31.20	1.01112	1.19229	117.92	17.9	117.9		1.567	NO
14	1,2,3,7,8-PeCDF	1322163	31.20	31.19	1.01766	1.00760	49.51	-1.0	99.0		1.563	NO
15	2,3,4,7,8-PeCDF	1347826	32.75	32.74	1.01420	1.02716	50.64	1.3	101.3		1.592	NO
16	Total F2 PeCDFs			34.47	1.01593		100.14					
17	Total F1 PeCDFs			36.56	1.01593		0.04					
18												
19	13C-1,2,3,7,8-PeCDD	1655625	33.56	33.56	0.66822	0.75218	112.56	12.6	112.6		1.502	NO
20	1,2,3,7,8-PeCDD	807792	33.59	33.59	0.99572	0.97582	49.00	-2.0	98.0		1.491	NO
21	Total PeCDDs			31.10	0.99572		49.00					
22												
23	13C-1,2,3,7,8,9-HxCDD	1756554	41.54	41.54	1.00000	1.00000	100.00	0.0	100.0		1.263	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1894592	40.01	40.02	0.88818	1.07858	121.44	21.4	121.4		0.512	NO
26	1,2,3,4,7,8-HxCDF	1127362	40.02	40.03	1.24155	1.19008	47.93	-4.1	95.9		1.304	NO
27	1,2,3,6,7,8-HxCDF	1338604	40.20	40.19	1.42681	1.41308	49.52	-1.0	99.0		1.309	NO
28	2,3,4,6,7,8-HxCDF	1201236	40.95	40.94	1.28770	1.26807	49.24	-1.5	98.5		1.229	NO
29	1,2,3,7,8,9-HxCDF	1085912	41.72	41.71	1.21630	1.14633	47.12	-5.8	94.2		1.259	NO
30	Total HxCDFs			0.00	1.29309		193.81					
31												
32	13C-1,2,3,6,7,8-HxCDD	1614631	41.22	41.22	0.81128	0.91920	113.30	13.3	113.3		1.322	NO
33	1,2,3,4,7,8-HxCDD	736956	41.13	41.13	0.88272	0.91285	51.71	3.4	103.4		1.324	NO
34	1,2,3,6,7,8-HxCDD	941772	41.23	41.23	1.08449	1.16655	53.78	7.6	107.6		1.123	NO
35	1,2,3,7,8,9-HxCDD	968300	41.55	41.55	1.18402	1.19941	50.65	1.3	101.3		1.170	NO
36	Total HxCDDs			0.00	1.05041		156.14					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1709149	43.20	43.19	0.80110	0.97301	121.46	21.5	121.5		0.469	NO
39	1,2,3,4,6,7,8-HpCDF	1162878	43.21	43.21	1.38128	1.36077	49.26	-1.5	98.5		1.061	NO
40	1,2,3,4,7,8,9-HpCDF	1012822	44.39	44.40	1.10952	1.18518	53.41	6.8	106.8		1.030	NO
41	Total HpCDFs			0.00	1.24540		102.67					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1587911	44.06	44.05	0.68208	0.90399	132.53	32.5	132.5		1.120	NO
44	1,2,3,4,6,7,8-HpCDD	814069	44.07	44.07	1.03068	1.02533	49.74	-0.5	99.5		1.078	NO
45	Total HpCDDs			0.01	1.03068		49.74					
46												
47	13C-OCDD	2272386	46.65	46.64	0.49708	0.64683	260.25	30.1	130.1		0.859	NO
48	OCDF	1645189	46.74	46.75	1.42582	1.44798	101.55	1.6	101.6		0.922	NO
49	OCDD	1324657	46.66	46.66	1.00000	1.00000	100.00	0.0	100.0		0.922	NO

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Sunday, April 25, 2010 10:26:57 Pacific Daylight Time

Printed: Sunday, April 25, 2010 10:33:10 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
50												
51												
52	Function 1 PFK			26.01								
53	Function 2 PFK	2748	35.64	35.64		2748.1...						
54	Function 3 PFK			31.73								
55	Function 4 PFK			34.66								
56	Function 5 PFK	1329	47.16	47.09		1329.3...						
57	TCDF PCDPE			24.18								
58	F1 PeCDF PCDPE			24.64								
59	F2 PeCDF PCDPE	106	35.23	35.30		105.55...						
60	HXCDF PCDPE	29	40.48	40.57		29.097...						
61	HPCDF PCDPE			43.14								
62	OCDF PCDPE	15	47.35	47.34		14.798...						

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:42:03 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 24 Apr 2010 09:41:23

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	1970591	25.97	25.97	1.00000	1.00000	100.00	0.0	100.0		0.790	NO
2												
3	13C-2,3,7,8-TCDF	3059137	25.36	25.36	1.29217	1.55240	120.14	20.1	120.1		0.770	NO
4	2,3,7,8-TCDF	269234	25.38	25.38	0.98315	0.88010	8.95	-10.5	89.5		0.796	NO
5	Total TCDFs			21.44	0.98315		8.95					
6												
7	13C-2,3,7,8-TCDD	1948961	26.21	26.24	0.89708	0.98902	110.25	10.2	110.2		0.806	NO
8	2,3,7,8-TCDD	208566	26.24	26.24	1.05105	1.07014	10.18	1.8	101.8		0.832	NO
9	Total TCDDs			19.55	1.05105		10.18					
10												
11	37CL-2,3,7,8-TCDD	245048	26.24	26.24	1.06704	1.24353	11.65	16.5	116.5			
12												
13	13C-1,2,3,7,8-PeCDF	2493303	31.20	31.20	1.01112	1.26526	125.13	25.1	125.1		1.588	NO
14	1,2,3,7,8-PeCDF	1231352	31.22	31.22	1.01766	0.98773	48.53	-2.9	97.1		1.595	NO
15	2,3,4,7,8-PeCDF	1249604	32.77	32.77	1.01420	1.00237	49.42	-1.2	98.8		1.575	NO
16	Total F2 PeCDFs			34.47	1.01593		97.95					
17	Total F1 PeCDFs			36.56	1.01593		0.02					
18												
19	13C-1,2,3,7,8-PeCDD	1668329	33.59	33.56	0.66822	0.84661	126.70	26.7	126.7		1.560	NO
20	1,2,3,7,8-PeCDD	842200	33.61	33.62	0.99572	1.00963	50.70	1.4	101.4		1.632	NO
21	Total PeCDDs			31.10	0.99572		50.70					
22												
23	13C-1,2,3,7,8,9-HxCDD	1810017	41.54	41.54	1.00000	1.00000	100.00	0.0	100.0		1.237	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1773558	40.02	40.02	0.88818	0.97986	110.32	10.3	110.3		0.540	NO
26	1,2,3,4,7,8-HxCDF	1081402	40.04	40.04	1.24155	1.21947	49.11	-1.8	98.2		1.239	NO
27	1,2,3,6,7,8-HxCDF	1216005	40.20	40.20	1.42681	1.37126	48.05	-3.9	96.1		1.255	NO
28	2,3,4,6,7,8-HxCDF	1131143	40.95	40.95	1.28770	1.27556	49.53	-0.9	99.1		1.309	NO
29	1,2,3,7,8,9-HxCDF	998846	41.72	41.72	1.21630	1.12638	46.30	-7.4	92.6		1.273	NO
30	Total HxCDFs			0.00	1.29309		193.00					
31												
32	13C-1,2,3,6,7,8-HxCDD	1560950	41.22	41.22	0.81128	0.86240	106.30	6.3	106.3		1.213	NO
33	1,2,3,4,7,8-HxCDD	729797	41.13	41.13	0.88272	0.93507	52.97	5.9	105.9		1.280	NO
34	1,2,3,6,7,8-HxCDD	866463	41.23	41.23	1.08449	1.11017	51.18	2.4	102.4		1.284	NO
35	1,2,3,7,8,9-HxCDD			40.95	1.18402							NO
36	Total HxCDDs			0.00	1.05041		156.26					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1597692	43.19	43.19	0.80110	0.88269	110.19	10.2	110.2		0.432	NO
39	1,2,3,4,6,7,8-HpCDF	1085458	43.20	43.20	1.38128	1.35878	49.19	-1.6	98.4		1.046	NO
40	1,2,3,4,7,8,9-HpCDF	951802	44.39	44.39	1.10952	1.19147	53.69	7.4	107.4		1.077	NO
41	Total HpCDFs			0.00	1.24540		102.88					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1511651	44.05	44.05	0.68208	0.83516	122.44	22.4	122.4		1.110	NO
44	1,2,3,4,6,7,8-HpCDD	773353	44.06	44.06	1.03068	1.02319	49.64	-0.7	99.3		1.082	NO
45	Total HpCDDs			0.00	1.02058		49.64					

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:42:03 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
47	13C-OCDD	2242562	46.64	46.64	0.49708	0.61949	249.25	24.6	124.6		0.910	NO
48	OCDF	1597374	46.74	46.74	1.42582	1.42460	99.91	-0.1	99.9		0.932	NO
49	OCDD	1326869	46.65	46.65	1.15547	1.18335	102.41	2.4	102.4		0.869	NO
50												
51												
52	Function 1 PFK			26.01								
53	Function 2 PFK	5318	35.63	35.64		5318.2...						
54	Function 3 PFK			31.73								
55	Function 4 PFK			34.66								
56	Function 5 PFK	1559	47.08	47.09		1559.1...						
57	TCDF PCDPE	6	24.18	24.18		6.21700						
58	F1 PeCDF PCDPE			24.64								
59	F2 PeCDF PCDPE			35.30								
60	HXCDF PCDPE	46	40.50	40.57		45.643...						
61	HPCDF PCDPE			43.14								
62	OCDF PCDPE			47.34								

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:42:03 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	2201115	25.97	25.97	1.00000	1.00000	100.00	0.0	100.0		0.829	NO
2												
3	13C-2,3,7,8-TCDF	3244329	25.36	25.36	1.29217	1.47395	114.07	14.1	114.1		0.803	NO
4	2,3,7,8-TCDF	290490	25.38	25.38	0.98315	0.89538	9.11	-8.9	91.1		0.742	NO
5	Total TCDFs			21.44	0.98315		9.11					
6												
7	13C-2,3,7,8-TCDD	2063971	26.21	26.24	0.89708	0.93769	104.53	4.5	104.5		0.808	NO
8	2,3,7,8-TCDD	222351	26.23	26.24	1.05105	1.07730	10.25	2.5	102.5		0.807	NO
9	Total TCDDs			19.55	1.05105		10.25					
10												
11	37CL-2,3,7,8-TCDD	253048	26.23	26.24	1.06704	1.14963	10.77	7.7	107.7			
12												
13	13C-1,2,3,7,8-PeCDF	2624372	31.17	31.20	1.01112	1.19229	117.92	17.9	117.9		1.567	NO
14	1,2,3,7,8-PeCDF	1322163	31.20	31.19	1.01766	1.00760	49.51	-1.0	99.0		1.563	NO
15	2,3,4,7,8-PeCDF	1347826	32.75	32.74	1.01420	1.02716	50.64	1.3	101.3		1.592	NO
16	Total F2 PeCDFs			34.47	1.01593		100.14					
17	Total F1 PeCDFs			36.56	1.01593		0.04					
18												
19	13C-1,2,3,7,8-PeCDD	1655625	33.56	33.56	0.66822	0.75218	112.56	12.6	112.6		1.502	NO
20	1,2,3,7,8-PeCDD	807792	33.59	33.59	0.99572	0.97582	49.00	-2.0	98.0		1.491	NO
21	Total PeCDDs			31.10	0.99572		49.00					
22												
23	13C-1,2,3,7,8,9-HxCDD	1756554	41.54	41.54	1.00000	1.00000	100.00	0.0	100.0		1.263	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1894592	40.01	40.02	0.88818	1.07858	121.44	21.4	121.4		0.512	NO
26	1,2,3,4,7,8-HxCDF	1127362	40.02	40.03	1.24155	1.19008	47.93	-4.1	95.9		1.304	NO
27	1,2,3,6,7,8-HxCDF	1338604	40.20	40.19	1.42681	1.41308	49.52	-1.0	99.0		1.309	NO
28	2,3,4,6,7,8-HxCDF	1201236	40.95	40.94	1.28770	1.26807	49.24	-1.5	98.5		1.229	NO
29	1,2,3,7,8,9-HxCDF	1085912	41.72	41.71	1.21630	1.14633	47.12	-5.8	94.2		1.259	NO
30	Total HxCDFs			0.00	1.29309		193.81					
31												
32	13C-1,2,3,6,7,8-HxCDD	1614631	41.22	41.22	0.81128	0.91920	113.30	13.3	113.3		1.322	NO
33	1,2,3,4,7,8-HxCDD	736956	41.13	41.13	0.88272	0.91285	51.71	3.4	103.4		1.324	NO
34	1,2,3,6,7,8-HxCDD	941772	41.23	41.23	1.08449	1.16655	53.78	7.6	107.6		1.123	NO
35	1,2,3,7,8,9-HxCDD			40.95	1.18402							NO
36	Total HxCDDs			0.00	1.05041		162.58					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1709149	43.20	43.19	0.80110	0.97301	121.46	21.5	121.5		0.469	NO
39	1,2,3,4,6,7,8-HpCDF	1162878	43.21	43.21	1.38128	1.36077	49.26	-1.5	98.5		1.061	NO
40	1,2,3,4,7,8,9-HpCDF	1012822	44.39	44.40	1.10952	1.18518	53.41	6.8	106.8		1.030	NO
41	Total HpCDFs			0.00	1.24540		102.67					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1587911	44.06	44.05	0.68208	0.90399	132.53	32.5	132.5		1.120	NO
44	1,2,3,4,6,7,8-HpCDD	814069	44.07	44.07	1.03068	1.02533	49.74	-0.5	99.5		1.078	NO
45	Total HpCDDs			0.01	1.03068		49.74					
46												
47	13C-OCDD	2272386	46.65	46.64	0.49708	0.64683	260.25	30.1	130.1		0.859	NO
48	OCDF	1645189	46.74	46.75	1.42582	1.44798	101.55	1.6	101.6		0.922	NO
49	OCDD	1324657	46.66	46.66	1.15547	1.18587	100.90	0.9	100.9		0.922	NO

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:42:03 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF	M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
50													
51													
52	Function 1 PFK			26.01									
53	Function 2 PFK	2748	35.64	35.64			2748.1...						
54	Function 3 PFK			31.73									
55	Function 4 PFK			34.66									
56	Function 5 PFK	1329	47.16	47.09			1329.3...						
57	TCDF PCDPE			24.18									
58	F1 PeCDF PCDPE			24.64									
59	F2 PeCDF PCDPE	106	35.23	35.30			105.55...						
60	HXCDF PCDPE	29	40.48	40.57			29.097...						
61	HPCDF PCDPE			43.14									
62	OCDF PCDPE	15	47.35	47.34			14.798...						

Sample List Report

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	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle
1	22AP103D5_1	CS-3 10DXN083	ST0422	---	---	1.000000	---	Tray01:1
2	22AP103D5_2	CS-3 10DXN083	ST0422A	---	---	1.000000	---	Tray01:1
3	22AP103D5_3	DB5 CPSM 3732-05	CP0422	---	---	1.000000	---	Tray01:2
4	22AP103D5_4	Solvent Blank C-14	SB0422	---	---	1.000000	---	Tray01:4
5	22AP103D5_5	G0D120462-1MB	LX1P2-1-AA	1613B/Water	72	1.000000	L	Tray01:5
6	22AP103D5_6	G0D120462-1LCS	LX1P2-1-AC	1613B/Water	---	1.000000	L	Tray01:6
7	22AP103D5_7	G0D120462-1	LXT8H-1-AA	1613B/Water	---	1.021600	L	Tray01:7
8	22AP103D5_8	G0D130507-1MB	LX8DX-1-AA	1613B/Water	76	1.000000	L	Tray01:8
9	22AP103D5_9	G0D090415-1LCS	LX3LD-1-AC	1613B/Water	74	1.000000	L	Tray01:9
10	22AP103D5_10	G0D090415-1MB	LX3LD-1-AA	1613B/Water	---	1.000000	L	Tray01:10
11	22AP103D5_11	G0D140502-1	LX0EM-1-AA	1613B/Water	---	1.056500	L	Tray01:11
12	22AP103D5_12	G0D080594-1	LXPGP-1-AA	1613B/Water	72	1.056100	L	Tray01:12
13	22AP103D5_13	G0D080594-2	LXPGR-1-AA	1613B/Water	---	0.994700	L	Tray01:13
14	22AP103D5_14	G0D080594-3	LXPGT-1-AA	1613B/Water	---	1.028500	L	Tray01:14
15	22AP103D5_15	Solvent Blank C-14	SB0422A	---	---	1.000000	---	Tray01:15
16	22AP103D5_16	CS-3 10DXN083	ST0422B	---	---	1.000000	---	Tray01:1
17	22AP103D5_17	DB5 CPSM 3732-05	CP0422A	---	---	1.000000	---	Tray01:2
18	22AP103D5_18	Solvent Blank C-14	SB0422B	---	---	1.000000	---	Tray01:18
19	22AP103D5_19	Solvent Blank C-14	SB0422C	---	---	1.000000	---	Tray01:18
20	22AP103D5_20	G0D090561-1	LXRAX-1-AA	1613B/Water	72	0.882100	L	Tray01:20
21	22AP103D5_21	A0D120411-1MB	LX2QV-1-AAB	1613B/Solid	70	10.000000	g	Tray01:21
22	22AP103D5_22	A0D120411-1LCS	LX2QV-1-ACC	1613B/Solid	---	10.000000	g	Tray01:22
23	22AP103D5_23	G0D090419-11	LXP26-1-AA	1613B/Solid	---	10.000000	g	Tray01:23
24	22AP103D5_24	G0D090419-12	LXP27-1-AA	1613B/Solid	---	10.000000	g	Tray01:24
25	22AP103D5_25	G0D130511-1	LXWQP-1-AC	1613B/Water	76	1.026400	L	Tray01:25
26	22AP103D5_26	G0D090568-1LCS	LXXXA-1-AC	1613B/Biol.	68	10.000000	g	Tray01:26
27	22AP103D5_27	G0D090568-1MB	LXXXA-1-AA	1613B/Biol.	---	10.000000	g	Tray01:27
28	22AP103D5_28	G0D090568-1	LXREQ-1-AA	1613B/Biol.	---	10.000000	g	Tray01:28
29	22AP103D5_29	Solvent Blank C-14	SB0422D	---	---	1.000000	---	Tray01:29
30	22AP103D5_30	CS-3 10DXN083	ST0422C	---	---	1.000000	---	Tray01:1
31	22AP103D5_31	DB5 CPSM 3732-05	CP0422B	---	---	1.000000	---	Tray01:2
32	22AP103D5_32	Solvent Blank C-14	SB0422E	---	---	1.000000	---	Tray01:18
33	22AP103D5_33	Solvent Blank C-14	SB0422F	---	---	1.000000	---	Tray01:18
34	22AP103D5_34	G0D130507-1MB RI	LX8DX-1-AA	1613B/Water	76	1.000000	L	Tray01:8
35	22AP103D5_35	G0D080425-48	LX1X4-1-AC	8290/Solid	74	10.340000	g	Tray01:30
36	22AP103D5_36	G0D140560-1	LX0W3-1-AC	8290/Solid	---	10.060000	g	Tray01:31
37	22AP103D5_37	G0D140560-1S	LX0W3-1-AD	8290/Solid	---	10.330000	g	Tray01:32
38	22AP103D5_38	G0D140560-1D	LX0W3-1-AE	8290/Solid	---	10.000000	g	Tray01:33
39	22AP103D5_39	G0D140560-2	LX0W4-1-AC	8290/Solid	---	10.310000	g	Tray01:34
40	22AP103D5_40	G0D140538-1LCS	LX7DK-1-AC	8290/Water	---	1.000000	L	Tray01:35
41	22AP103D5_41	G0D140538-1MB	LX7DK-1-AA	8290/Water	---	1.000000	L	Tray01:36
42	22AP103D5_42	G0D160601-9	LX452-1-AC	8290/Water	---	1.000000	L	Tray01:37
43	22AP103D5_43	G0D160601-10	LX453-1-AC	8290/Water	---	1.000000	L	Tray01:38
44	22AP103D5_44	Solvent Blank C-14	SB0422G	---	---	1.000000	---	Tray01:29
45	22AP103D5_45	CS-3 10DXN083	ST0422D	---	---	1.000000	---	Tray01:1
46	22AP103D5_46	DB5 CPSM 3732-05	CP0422C	---	---	1.000000	---	Tray01:2
47	22AP103D5_47	Solvent Blank C-14	SB0422H	---	---	1.000000	---	Tray01:18
48	22AP103D5_48	Solvent Blank C-14	SB0422I	---	---	1.000000	---	Tray01:18
49	22AP103D5_49	G0D090419-1MB	LX6XX-1-AAB	1613B/Water	75	1.000000	L	Tray01:49
50	22AP103D5_50	G0D090419-1LCS	LX6XX-1-ACC	1613B/Water	---	1.000000	L	Tray01:50
51	22AP103D5_51	G0D090419-1	LXP2H-1-AA	1613B/Water	---	0.959600	L	Tray01:51
52	22AP103D5_52	G0D090419-2	LXP2P-1-AA	1613B/Water	---	0.977400	L	Tray01:52
53	22AP103D5_53	G0D090419-3	LXP2Q-1-AA	1613B/Water	---	0.974500	L	Tray01:53
54	22AP103D5_54	G0D090419-4	LXP2T-1-AA	1613B/Water	---	0.979000	L	Tray01:54
55	22AP103D5_55	G0D090419-5	LXP2V-1-AA	1613B/Water	---	0.981400	L	Tray01:55
56	22AP103D5_56	G0D090419-6	LXP2W-1-AA	1613B/Water	---	0.989400	L	Tray01:56
57	22AP103D5_57	G0D090419-7	LXP2X-1-AA	1613B/Water	---	1.052800	L	Tray01:57
58	22AP103D5_58	G0D090419-8	LXP2Z-1-AA	1613B/Water	---	0.977600	L	Tray01:58

Sample List Report**MassLynx 4.1**

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File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle
59 22AP103D5_59	Solvent Blank C-14	SB0422H	---		1.000000	---	Tray01:18

Sample List Report**MassLynx 4.1**

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Page Position (2, 2)

FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Ini File	ConA	ConB	ConC	ConD	ConE	ConF
--	2.000000	Analyte	KSS, AM 04-22-10	OCDD25	ocdd25	--	--	--	2000	4000	800

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\22AP103D5.SPL
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Printed: Saturday, April 24, 2010 00:34:03 Pacific Daylight Time

ConG	Process	Process Options	Action On Error
100	--	--	--
100	--	--	--
--	--	--	--
--	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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100	--	--	--
--	--	--	--
2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	--	--	--
2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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100	--	--	--
--	--	--	--
2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	--	--	--
2000	--	--	--
2000	--	--	--
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Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\22AP103D5.SPL

Page 6 of 6

Last Modified: Saturday, April 24, 2010 00:33:58 Pacific Daylight Time

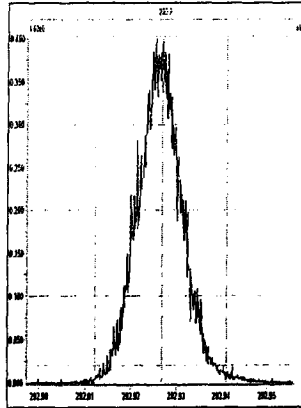
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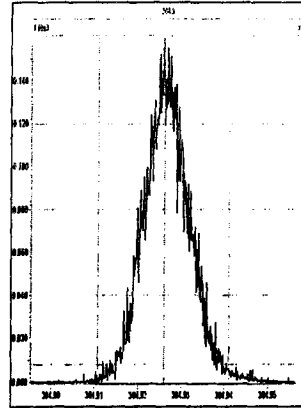
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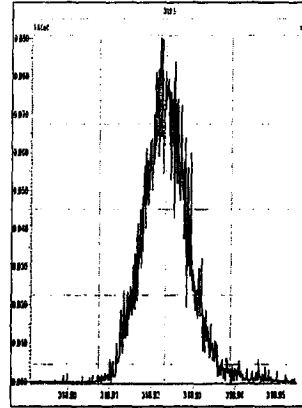
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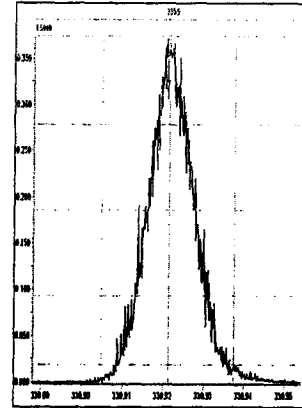
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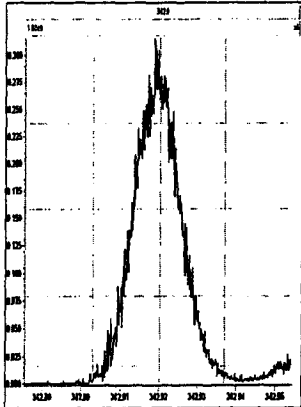
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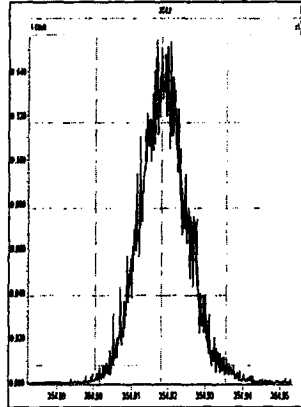
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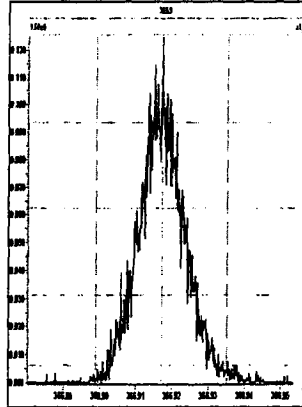
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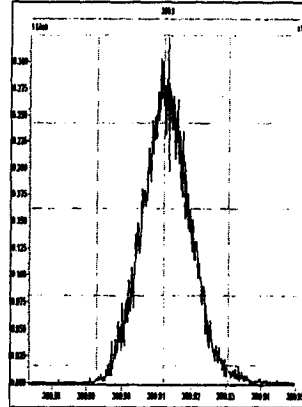
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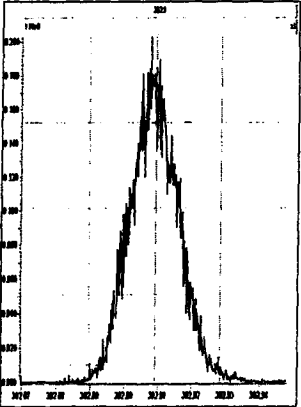
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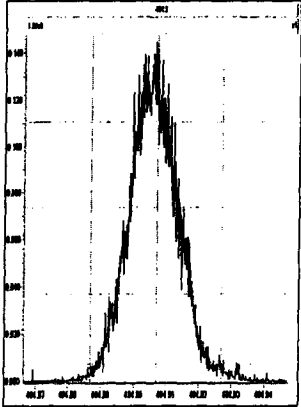
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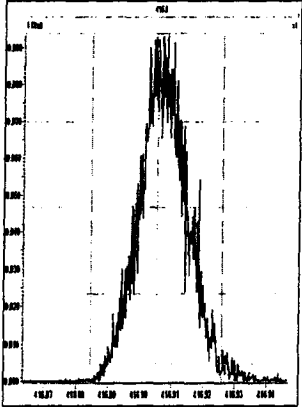
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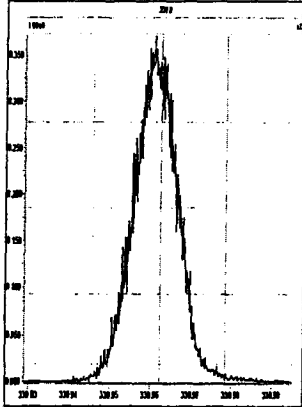
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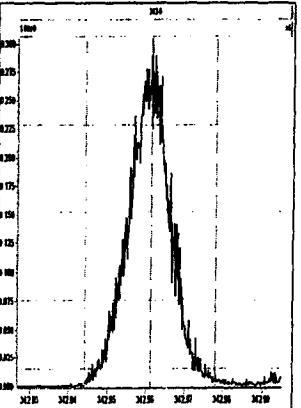
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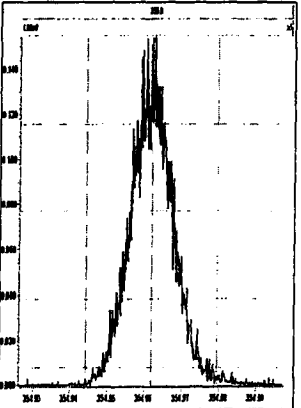
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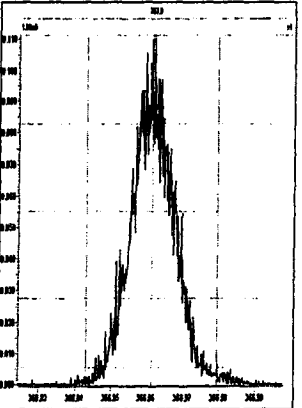
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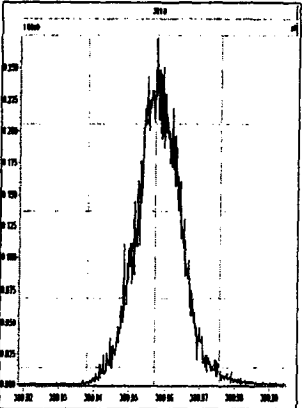
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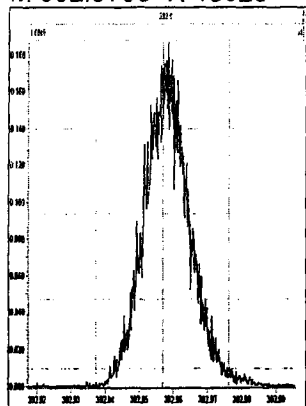
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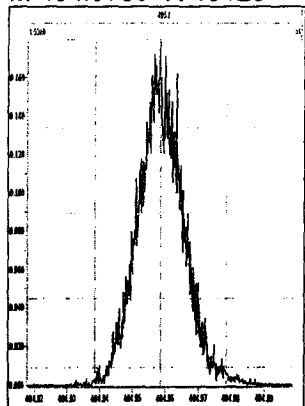
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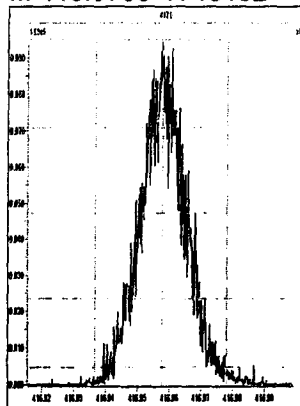
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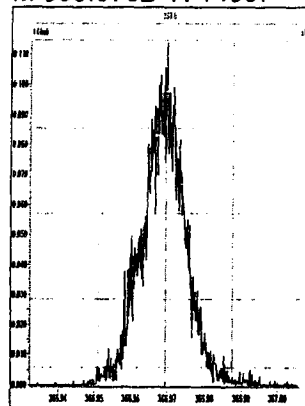
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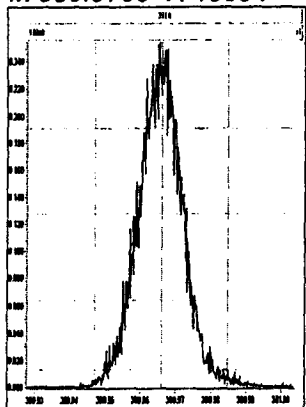
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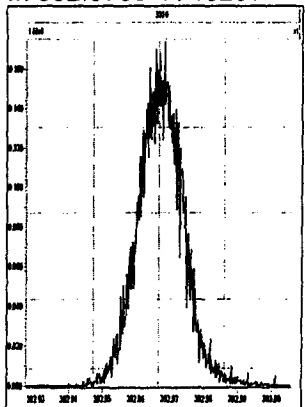
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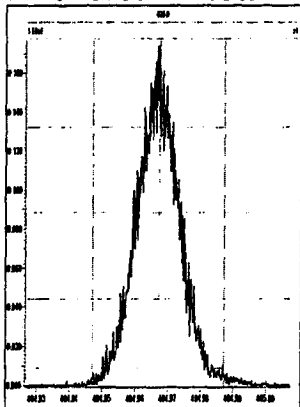
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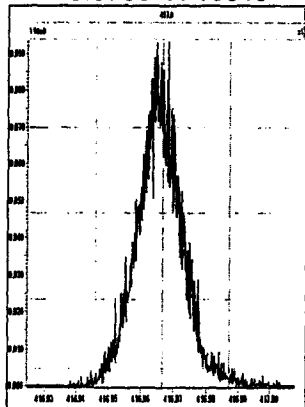
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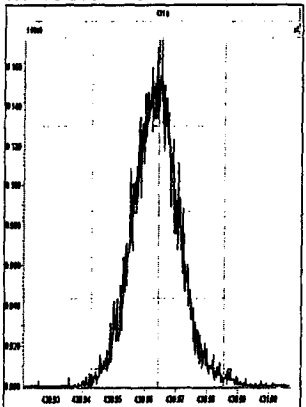
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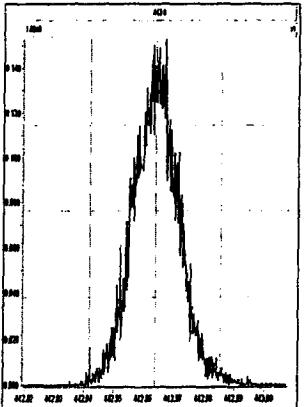
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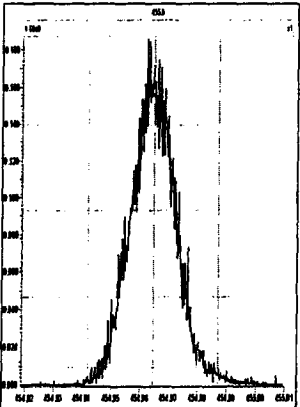
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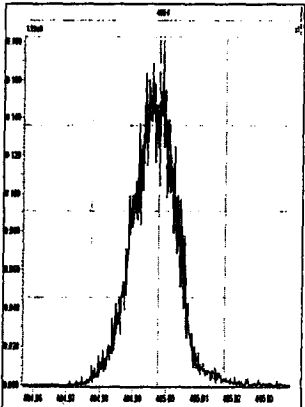
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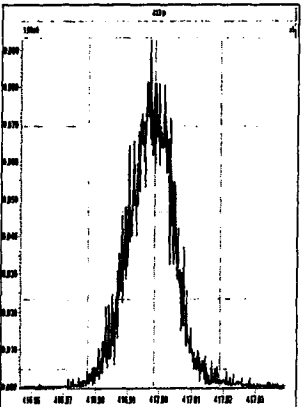
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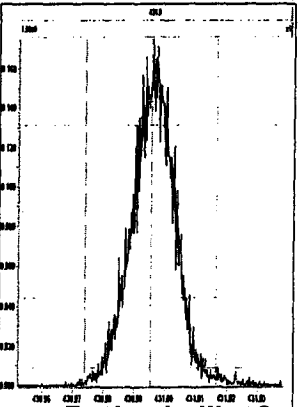
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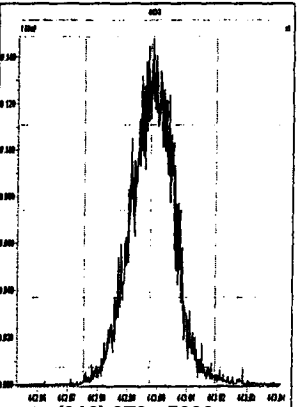
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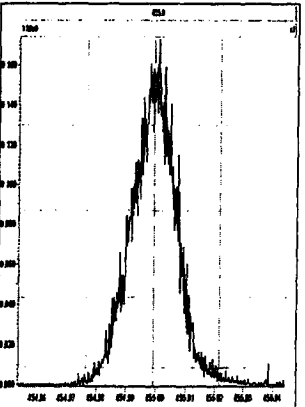
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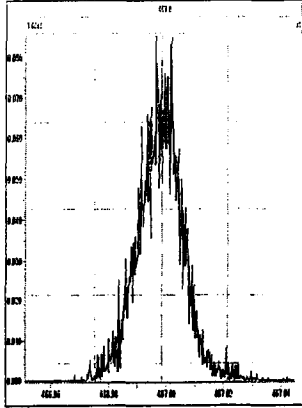
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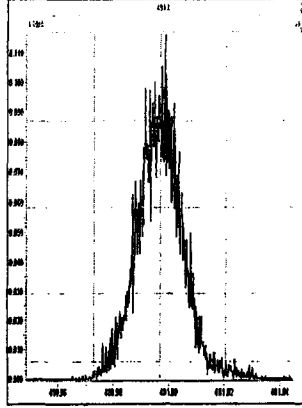
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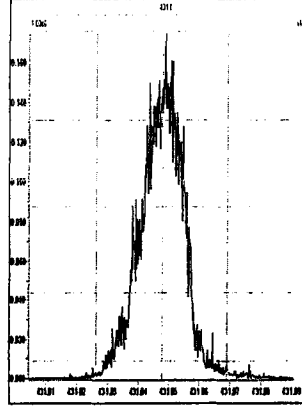
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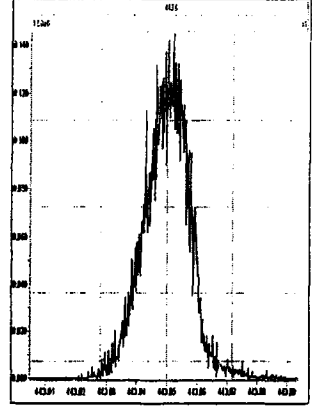
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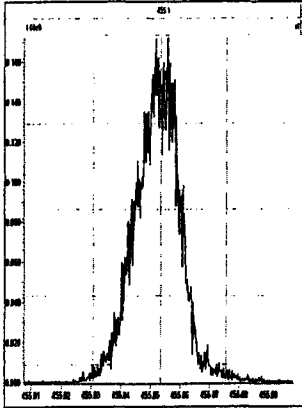
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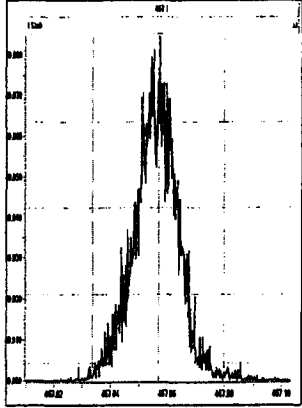
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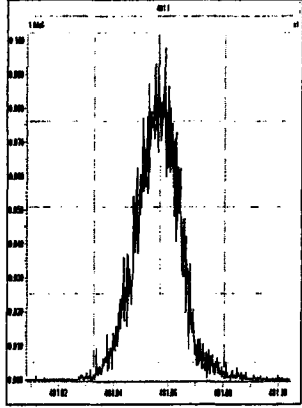
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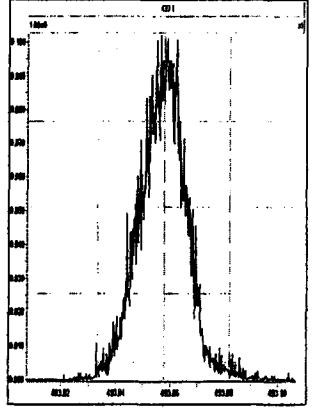
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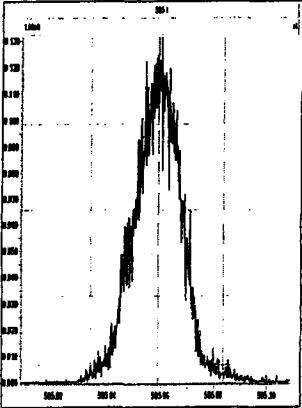
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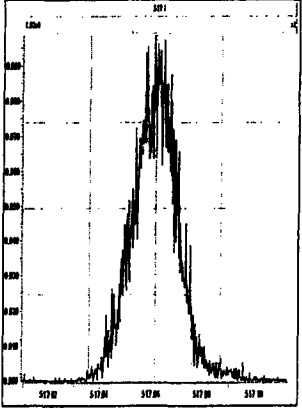
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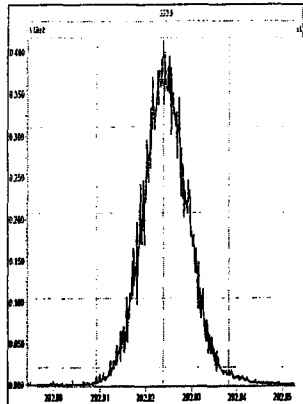
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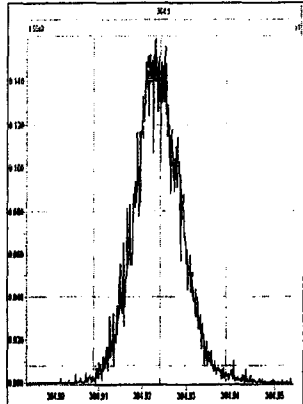
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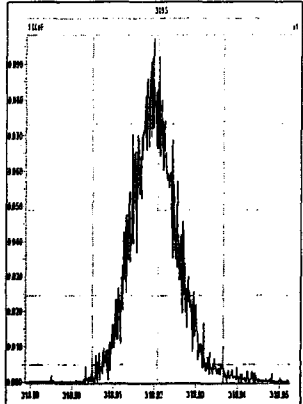
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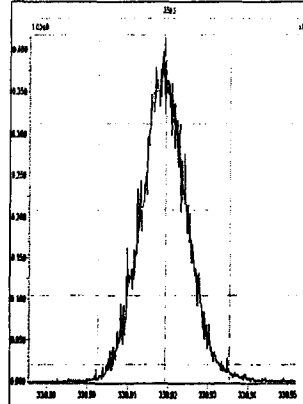
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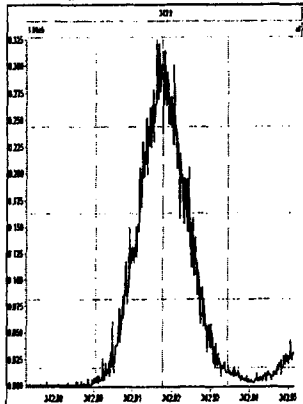
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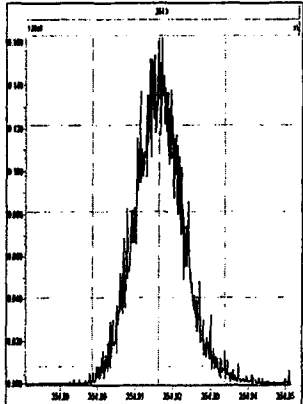
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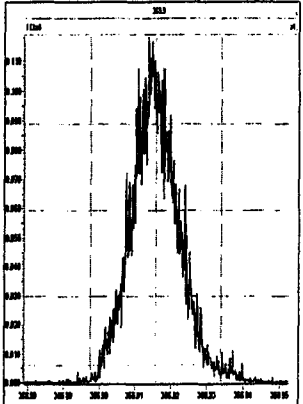
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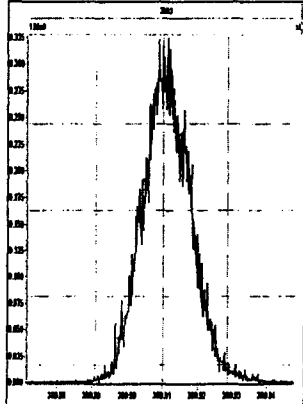
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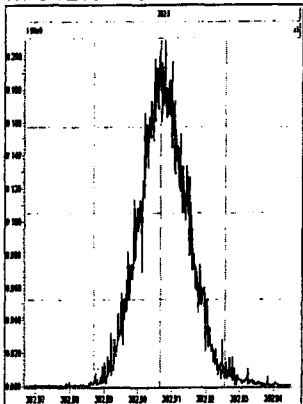
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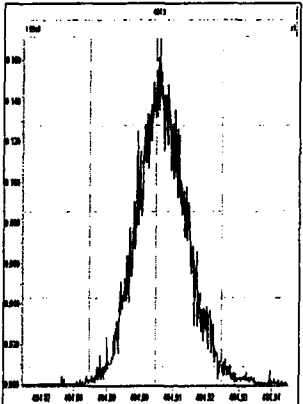
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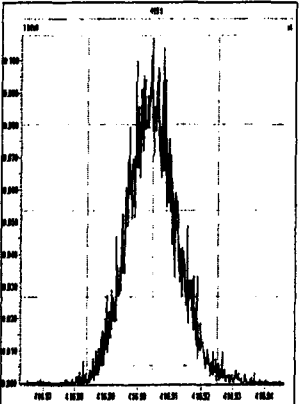
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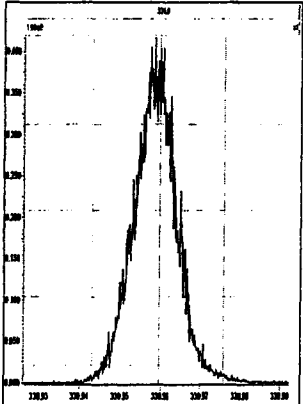
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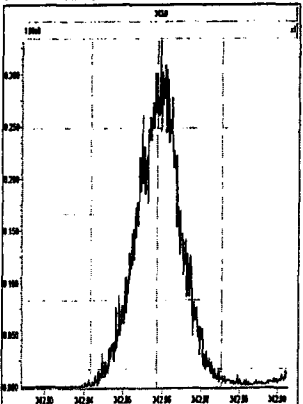
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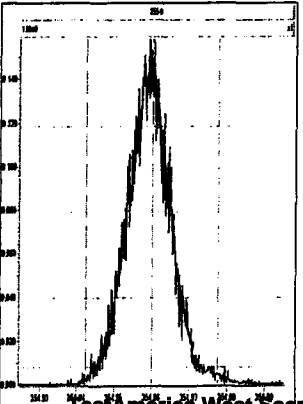
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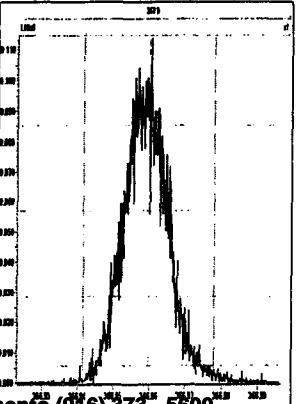
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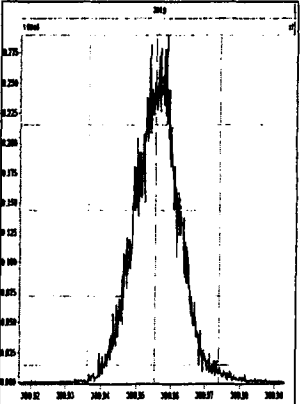
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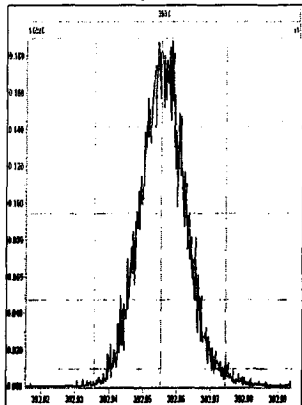


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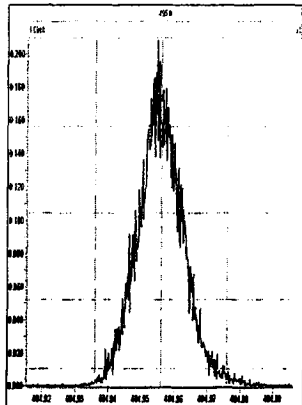


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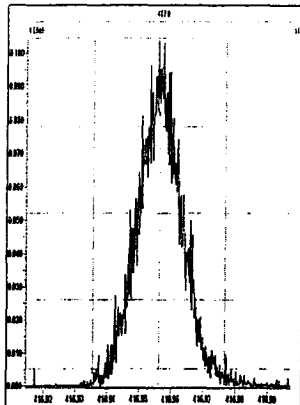
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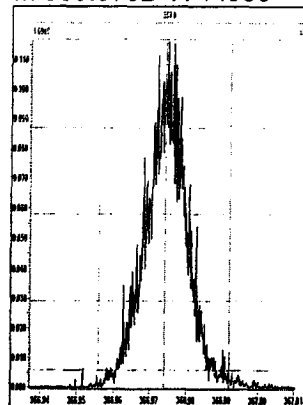
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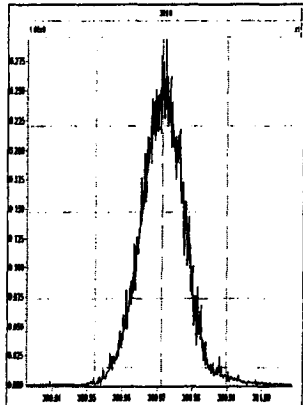
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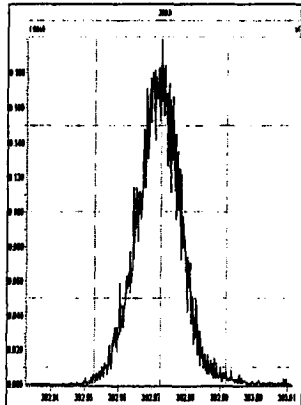
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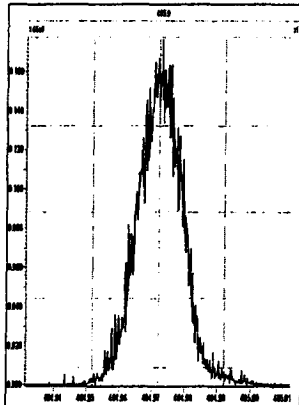
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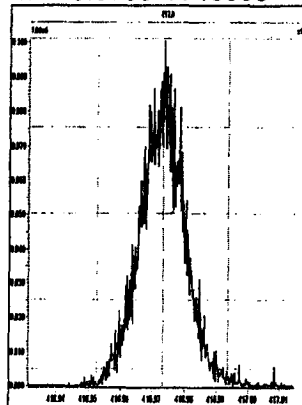
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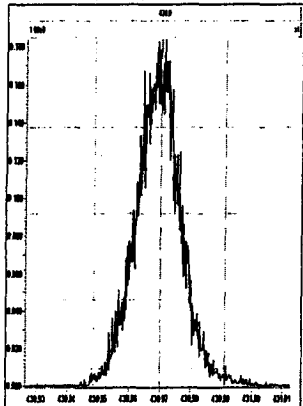
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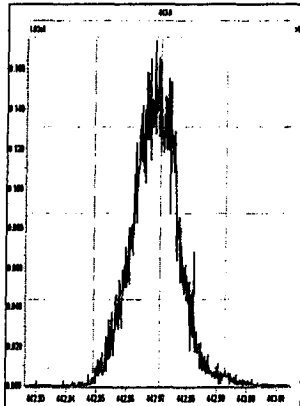
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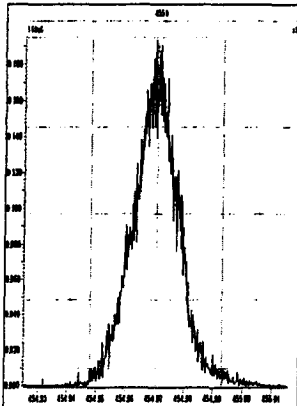
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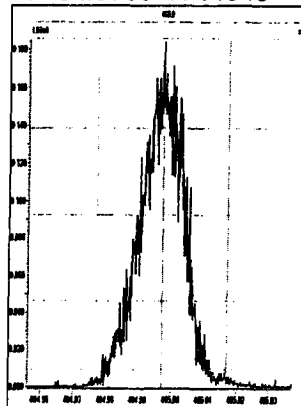
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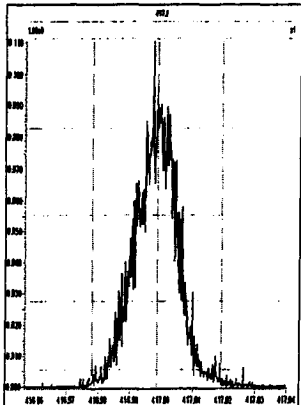
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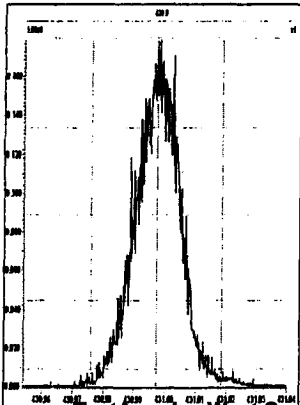
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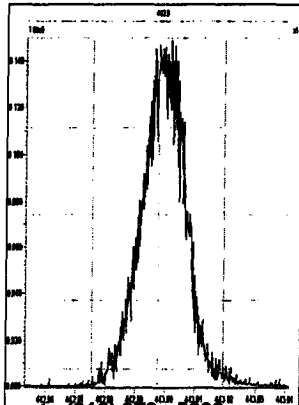
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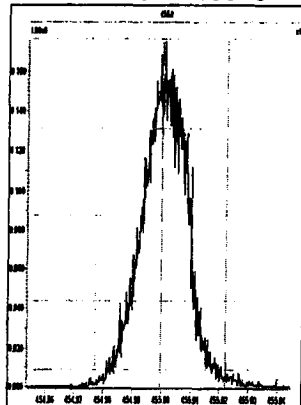
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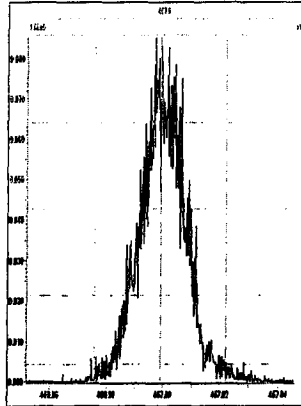
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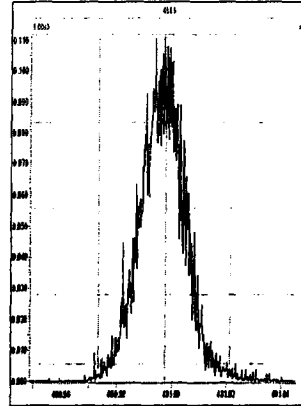
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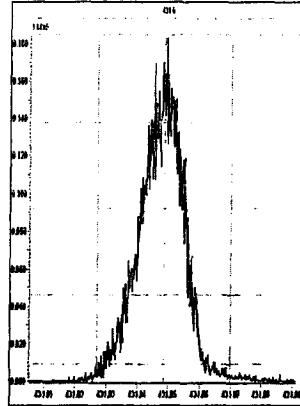
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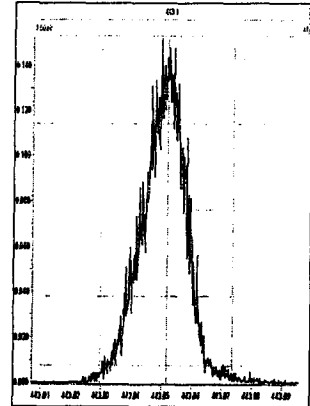
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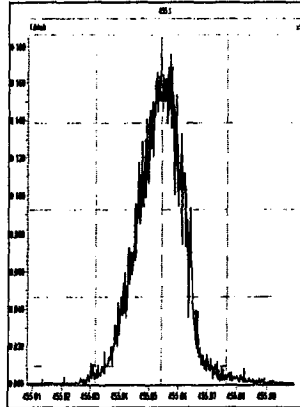
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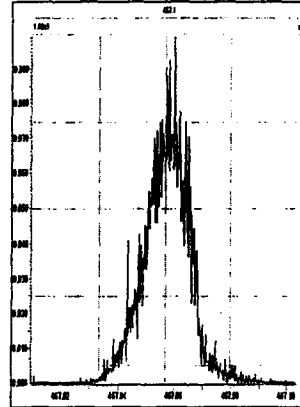
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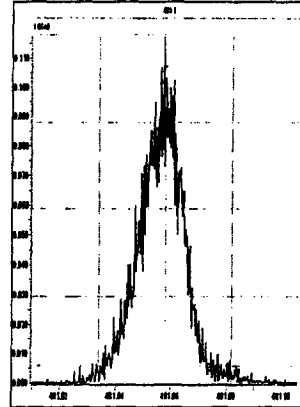
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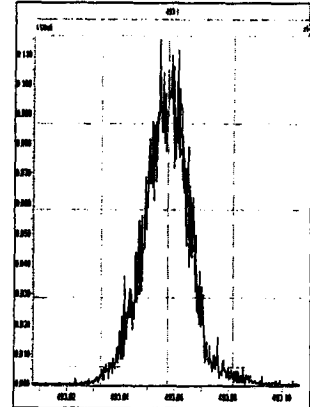
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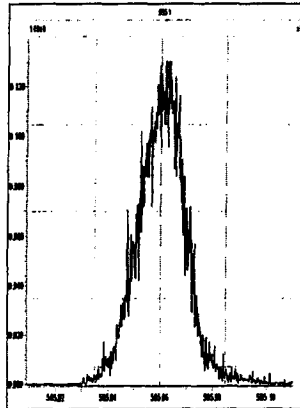
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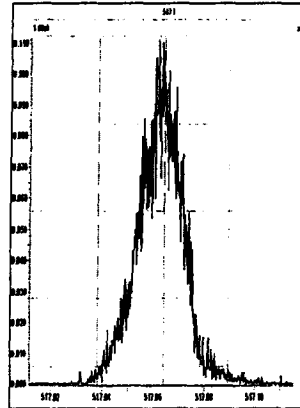
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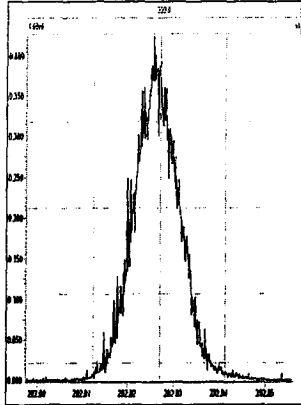


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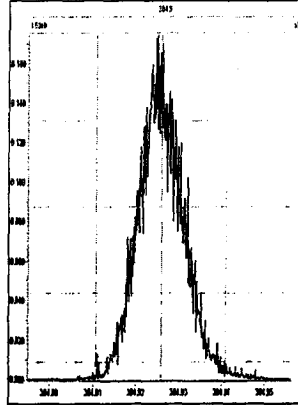


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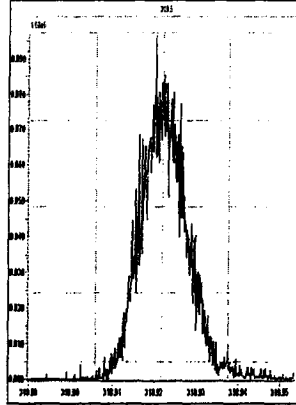
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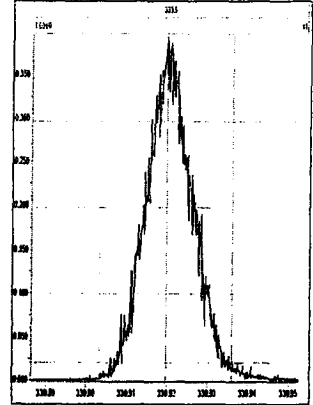
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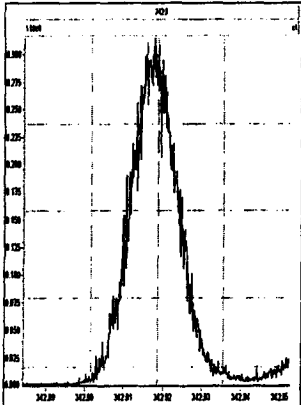
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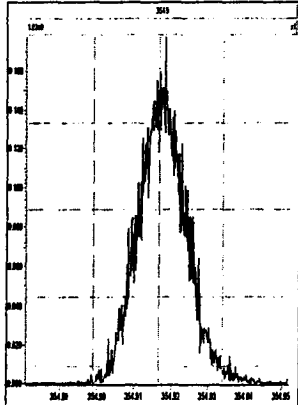
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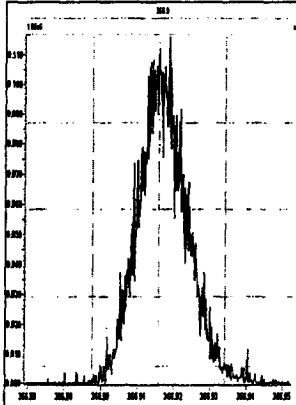
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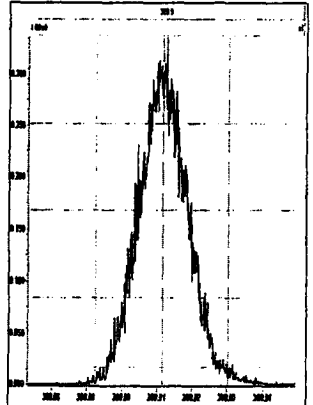
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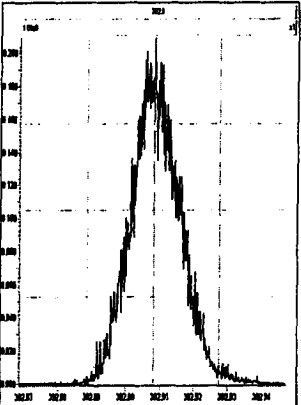
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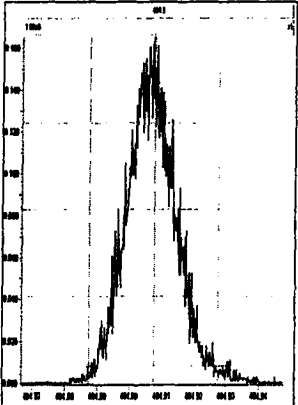
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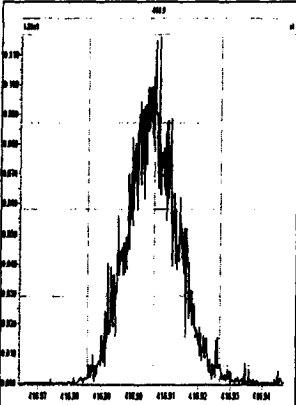
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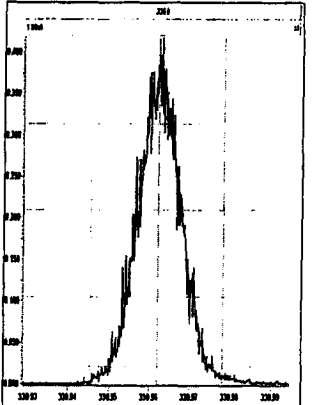
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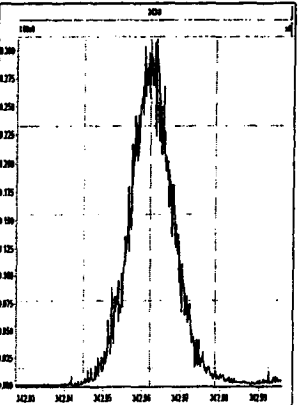
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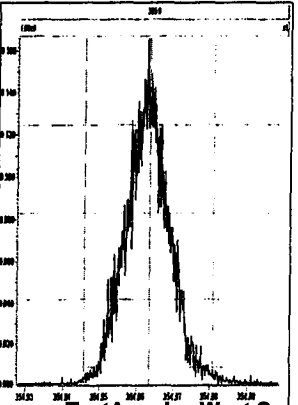
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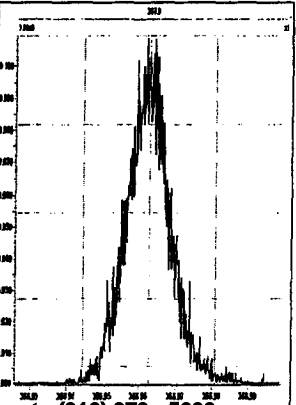
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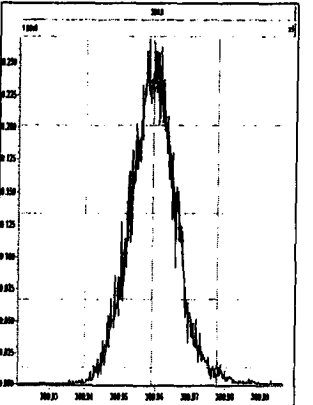
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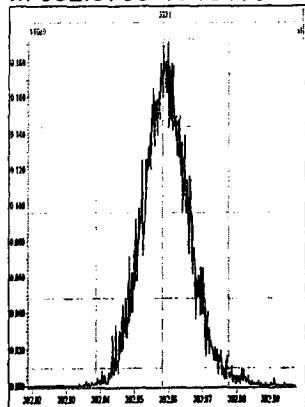


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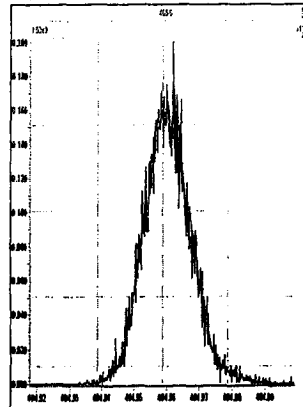


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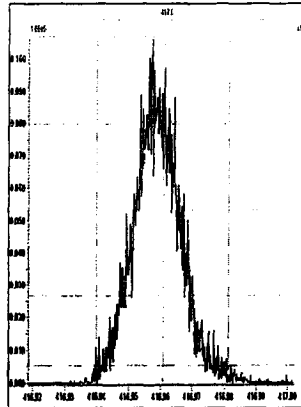
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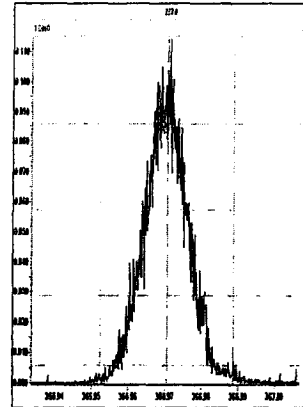
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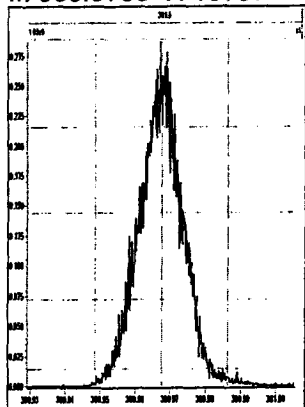
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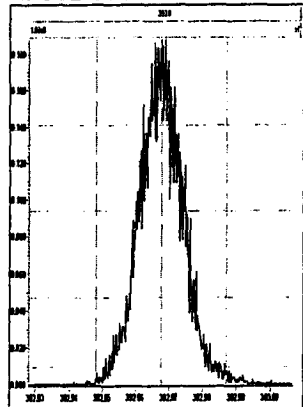
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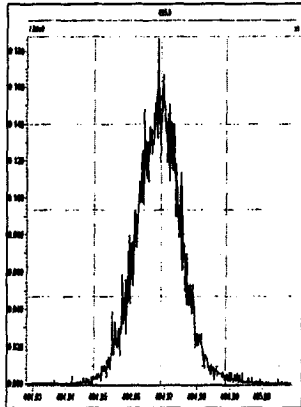
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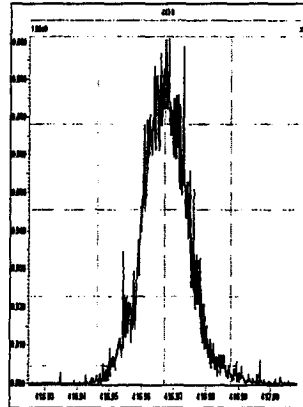
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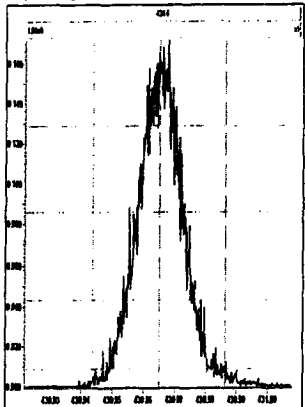
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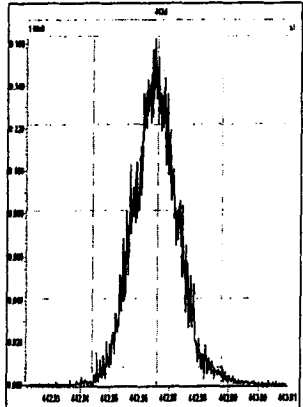
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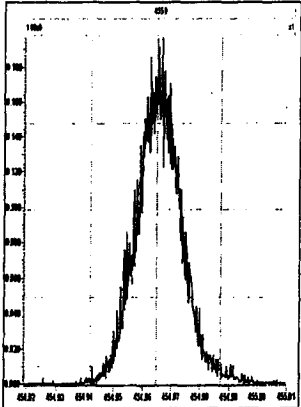
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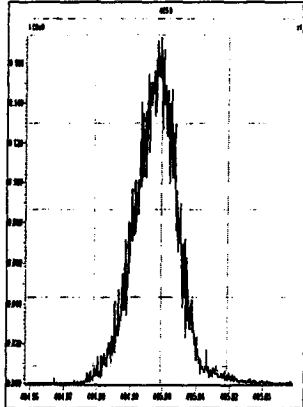
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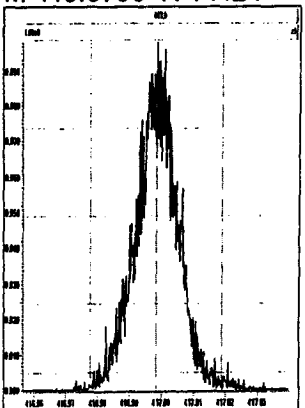
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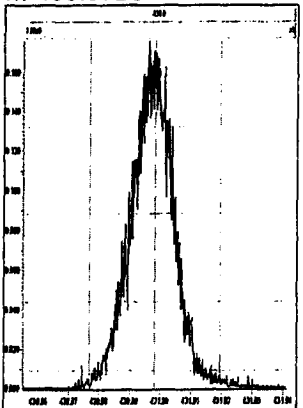
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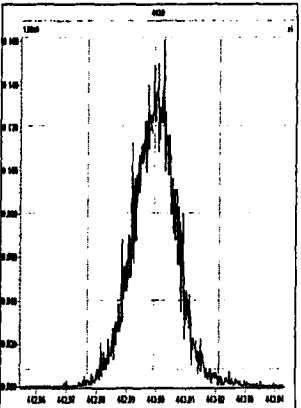
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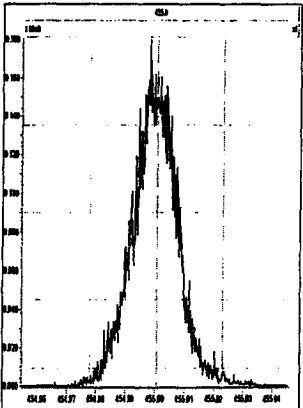
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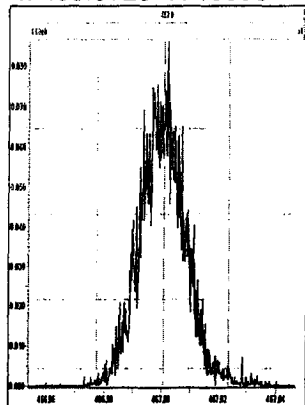
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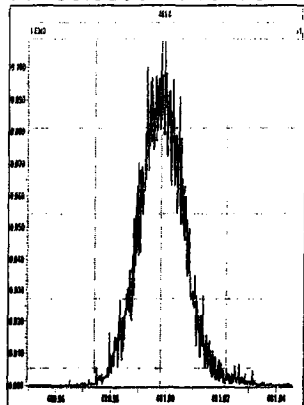
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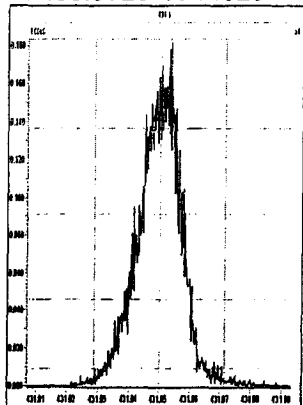
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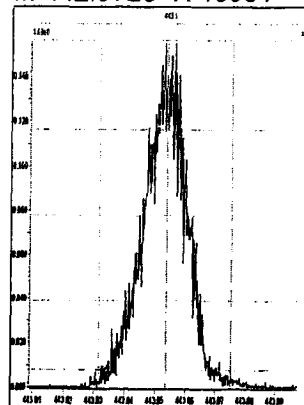
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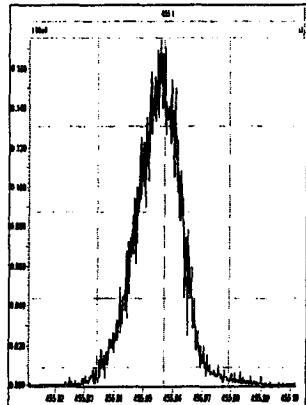
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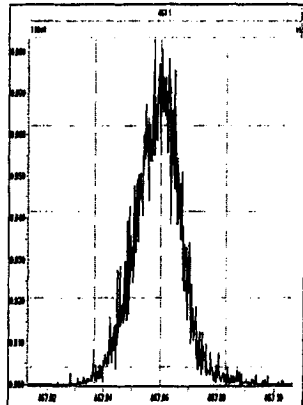
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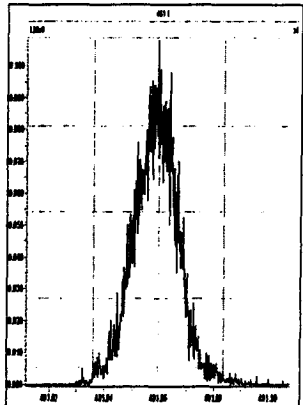
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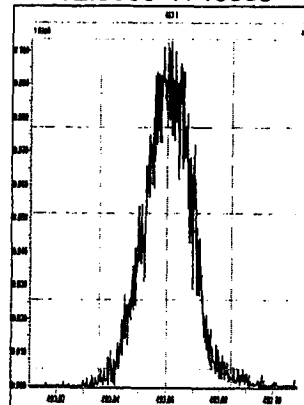
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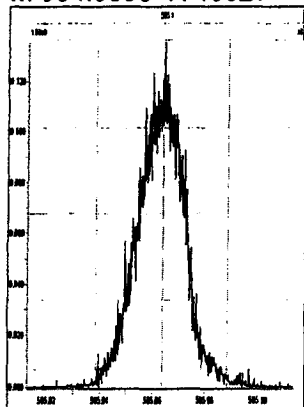
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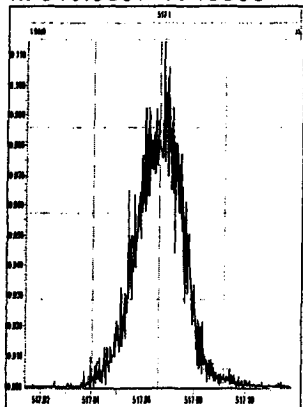
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M 504.9696 R 13527

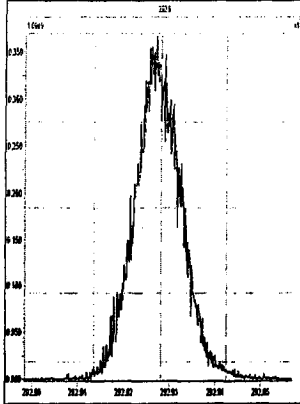


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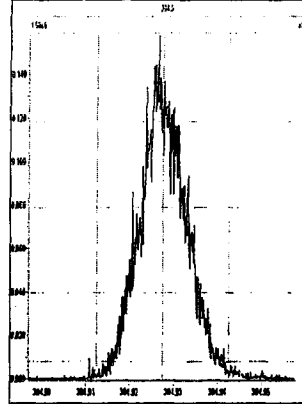


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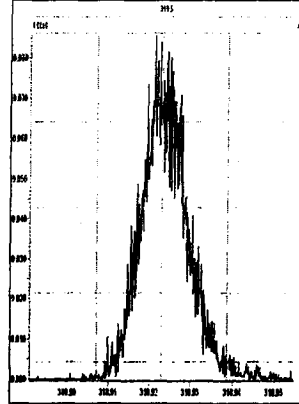
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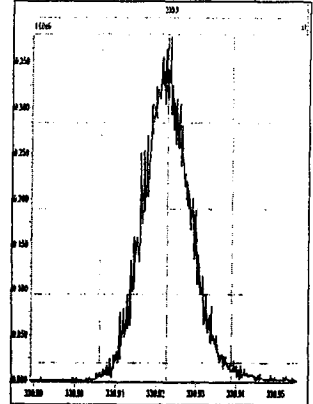
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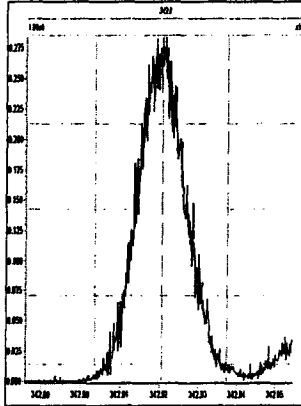
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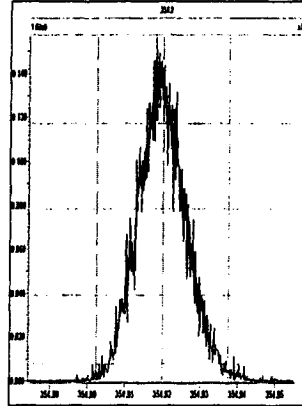
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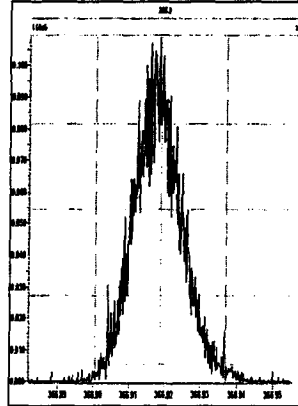
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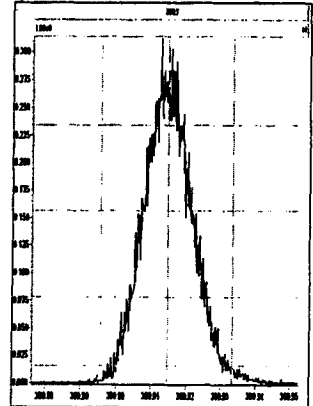
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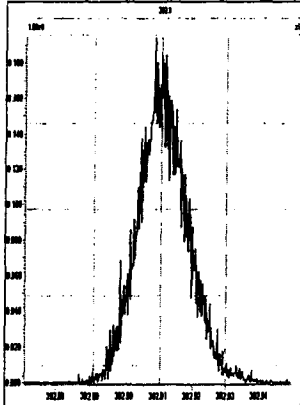
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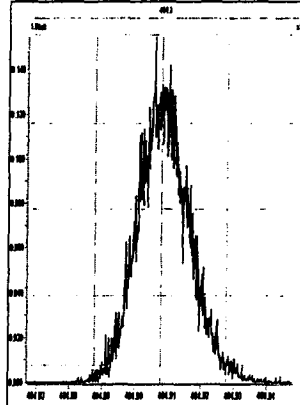
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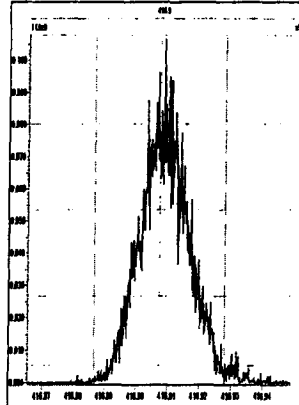
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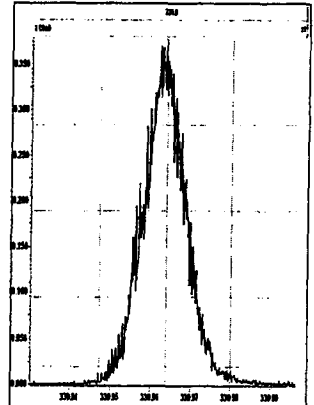
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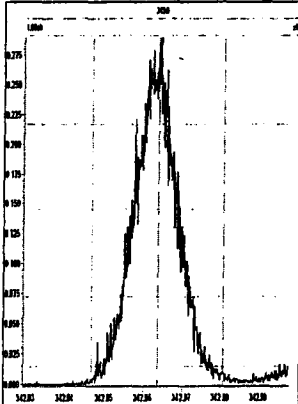
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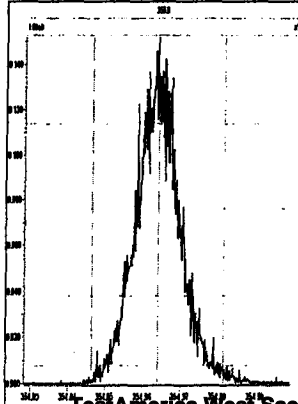
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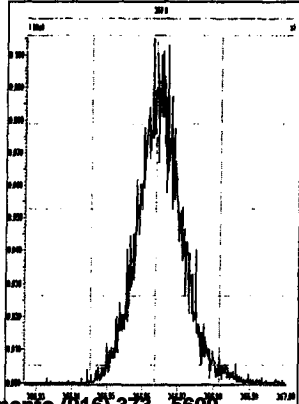
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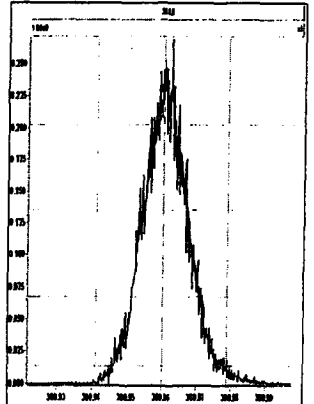
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M 366.9792 R 13335

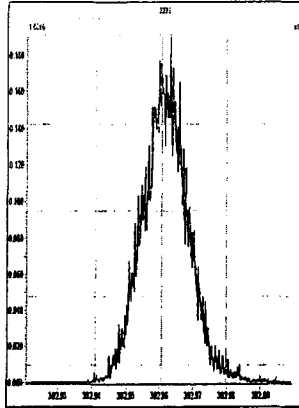


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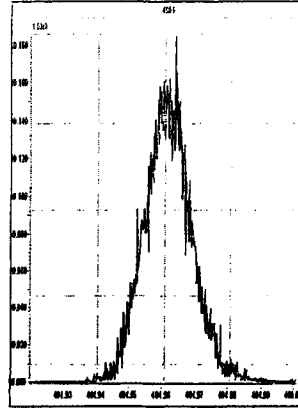


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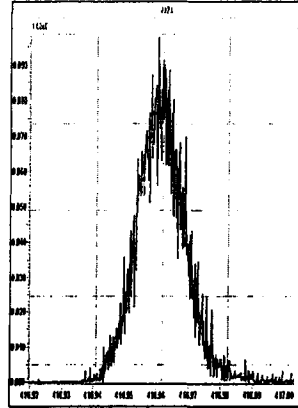
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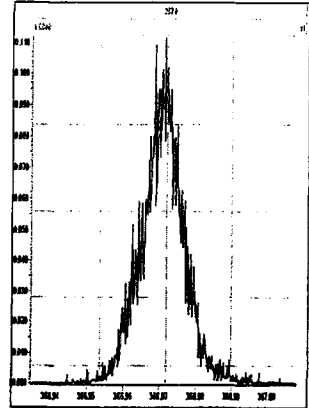
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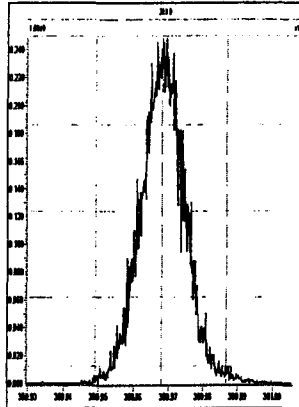
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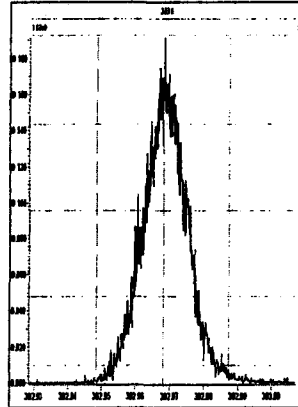
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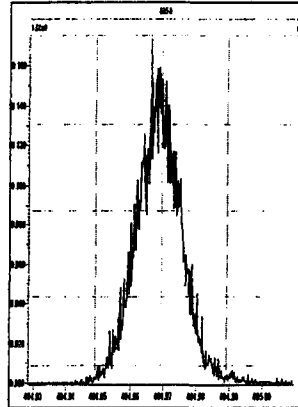
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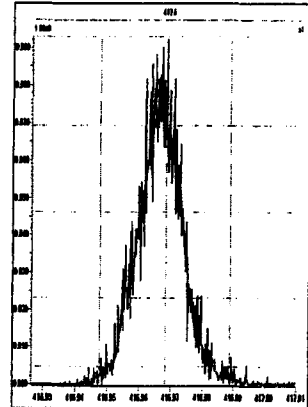
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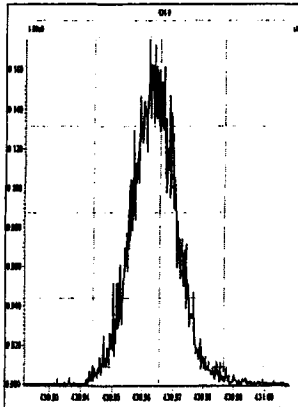
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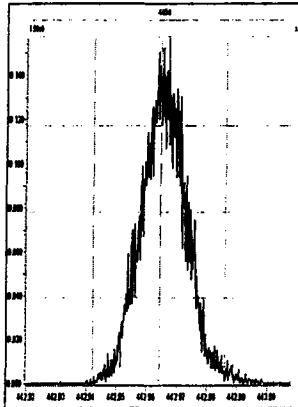
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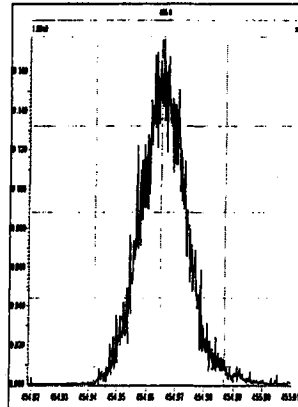
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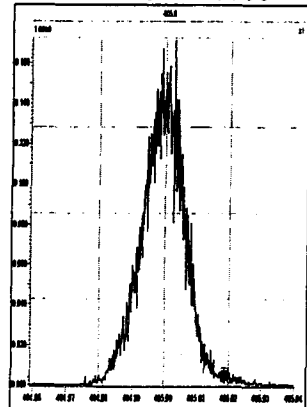
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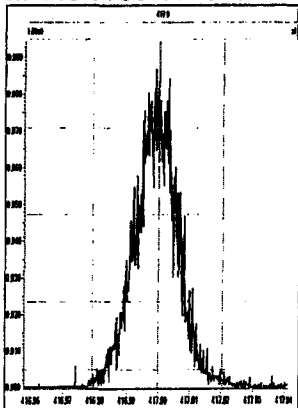
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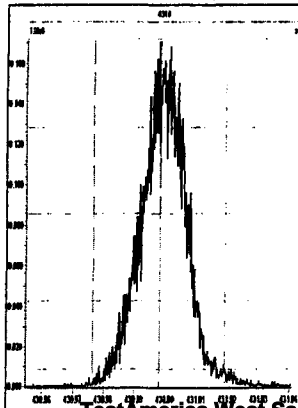
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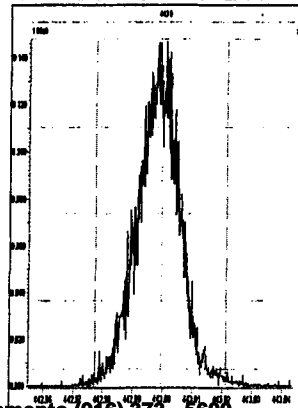
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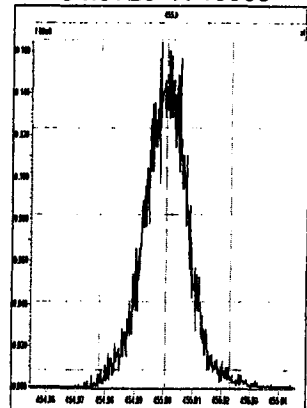
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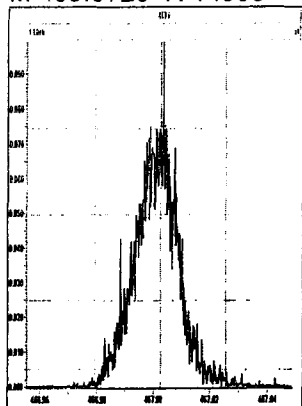
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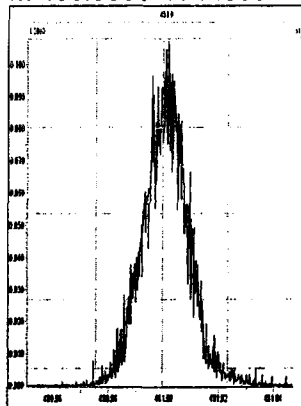
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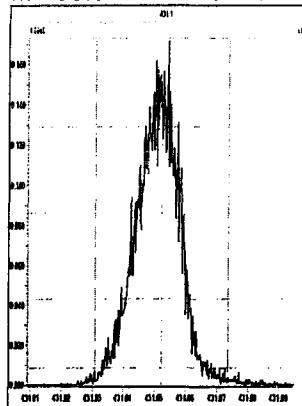
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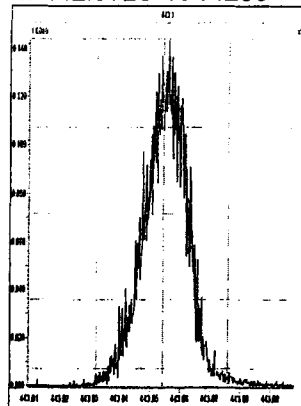
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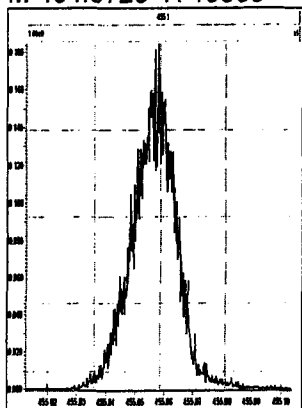
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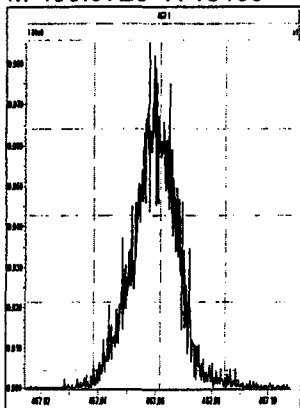
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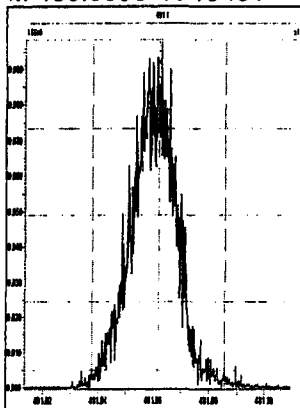
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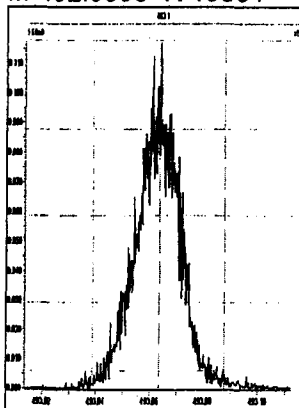
M 466.9728 R 15156



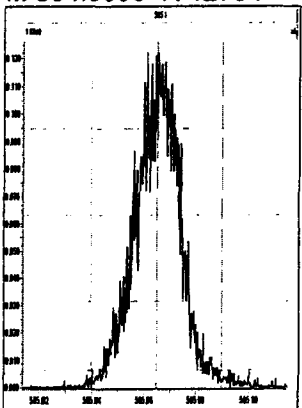
M 480.9696 R 13481



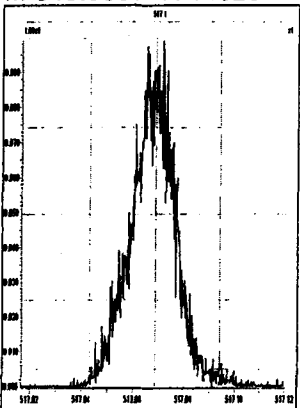
M 492.9696 R 13851

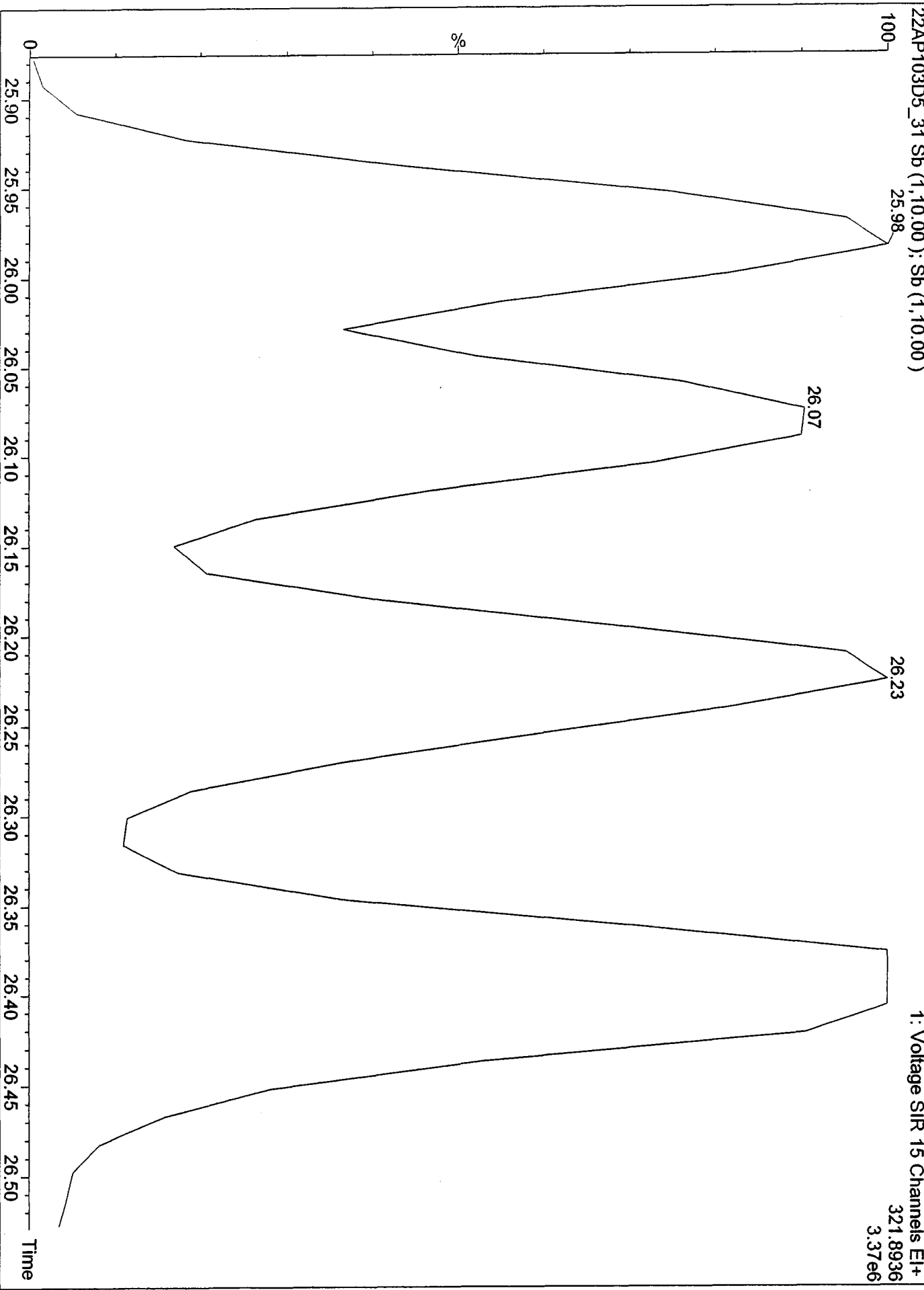


M 504.9696 R 12754



M 516.9697 R 14029





1: Voltage SIR 15 Channels EI+

321.8936

3.37e6

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:43:03 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 24 Apr 2010 09:41:23

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290CDD25.cdb 31 Mar 2010 15:00:28

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.29217	0.15223	11.78067
4	2,3,7,8-TCDF	0.98315	0.04581	4.65926
5	Total TCDFs	0.98315	0.04581	4.65926
6				
7	13C-2,3,7,8-TCDD	0.89708	0.08170	9.10684
8	2,3,7,8-TCDD	1.05105	0.07819	7.43940
9	Total TCDDs	1.05105	0.07819	7.43940
10				
11	37CL-2,3,7,8-TCDD	1.06704	0.11260	10.55250
12				
13	13C-1,2,3,7,8-PeCDF	1.01112	0.14885	14.72150
14	1,2,3,7,8-PeCDF	1.01766	0.05712	5.61277
15	2,3,4,7,8-PeCDF	1.01420	0.03974	3.91833
16	Total F2 PeCDFs	1.01593	0.04687	4.61345
17	Total F1 PeCDFs	1.01593	0.04687	4.61345
18				
19	13C-1,2,3,7,8-PeCDD	0.66822	0.10736	16.06722
20	1,2,3,7,8-PeCDD	0.99572	0.04304	4.32214
21	Total PeCDDs	0.99572	0.04304	4.32213
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	0.88818	0.07131	8.02886
26	1,2,3,4,7,8-HxCDF	1.24155	0.08733	7.03397
27	1,2,3,6,7,8-HxCDF	1.42681	0.06317	4.42760
28	2,3,4,6,7,8-HxCDF	1.28770	0.05871	4.55964
29	1,2,3,7,8,9-HxCDF	1.21630	0.14130	11.61709
30	Total HxCDFs	1.29309	0.08375	6.47669
31				
32	13C-1,2,3,6,7,8-HxCDD	0.81128	0.07661	9.44287
33	1,2,3,4,7,8-HxCDD	0.88272	0.07520	8.51958
34	1,2,3,6,7,8-HxCDD	1.08449	0.06107	5.63094
35	1,2,3,7,8,9-HxCDD	1.18402	0.19196	16.21217
36	Total HxCDDs	1.05041	0.10668	10.15640
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.80110	0.04887	6.10082
39	1,2,3,4,6,7,8-HpCDF	1.38128	0.07667	5.55037
40	1,2,3,4,7,8,9-HpCDF	1.10952	0.09098	8.20003
41	Total HpCDFs	1.24540	0.07829	6.28644
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.68208	0.03757	5.50795
44	1,2,3,4,6,7,8-HpCDD	1.03068	0.04633	4.49467
45	Total HpCDDs	1.03068	0.04633	4.49467
46				
47	13C-OCDD	0.49708	0.05015	10.08808

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:43:03 Pacific Daylight Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.42582	0.12745	8.93881
49	OCDD	1.15547	0.07554	6.53715
50				
51				
52	Function 1 PFK			
53	Function 2 PFK			
54	Function 3 PFK			
55	Function 4 PFK			
56	Function 5 PFK			
57	TCDF PCDPE			
58	F1 PeCDF PCDPE			
59	F2 PeCDF PCDPE			
60	HXCDF PCDPE			
61	HPCDF PCDPE			
62	OCDF PCDPE			

Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

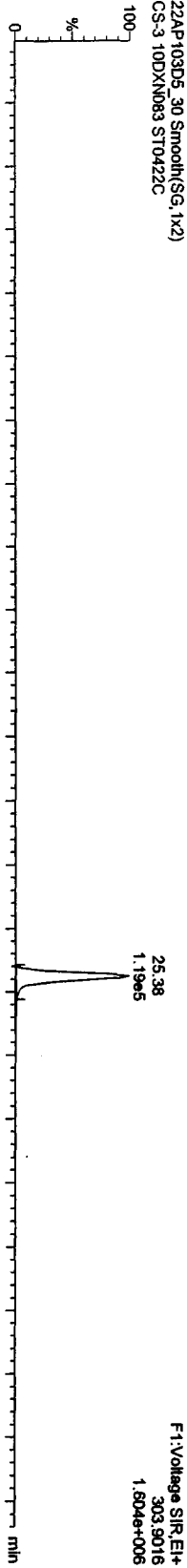
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\B2903D5OCDD25.mdb 24 Apr 2010 09:41:23
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290CDD25.cdb 31 Mar 2010 15:00:28

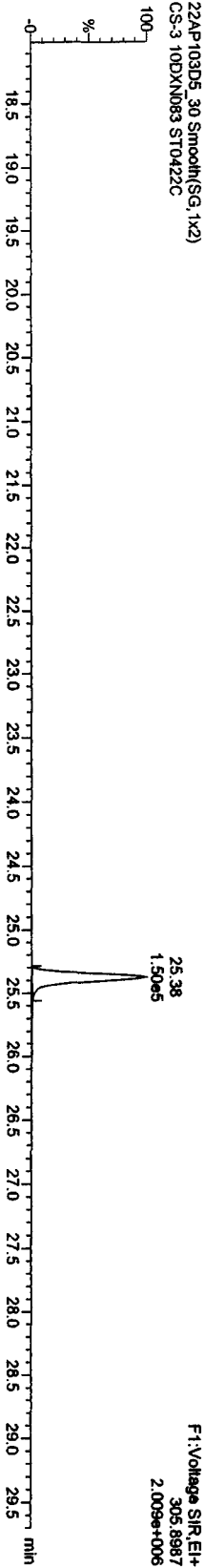
Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

TCDFs

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

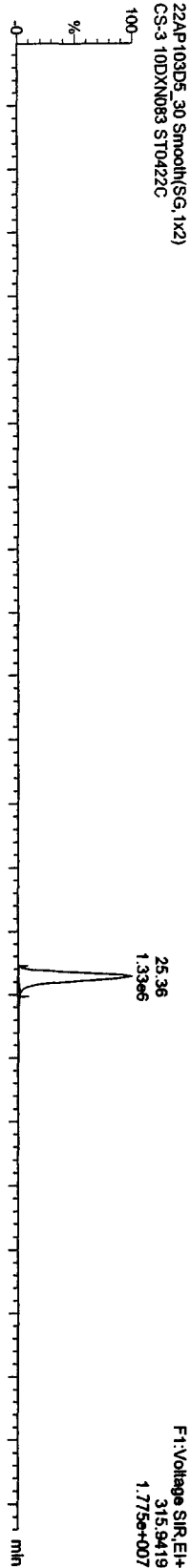


22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

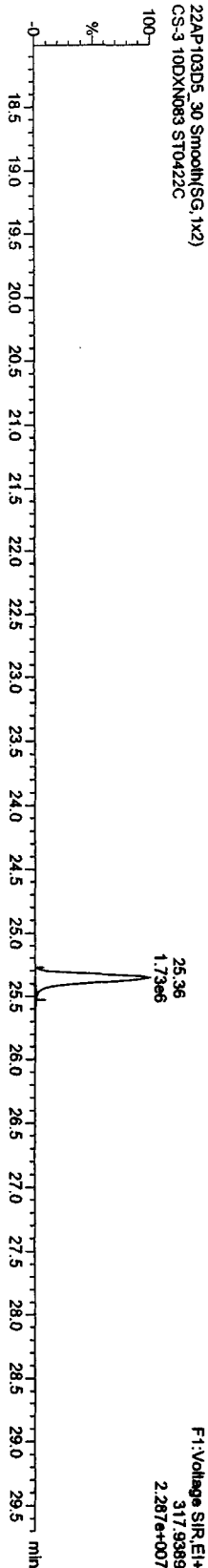


13C-TCDF

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\22AP103D58290C.qld

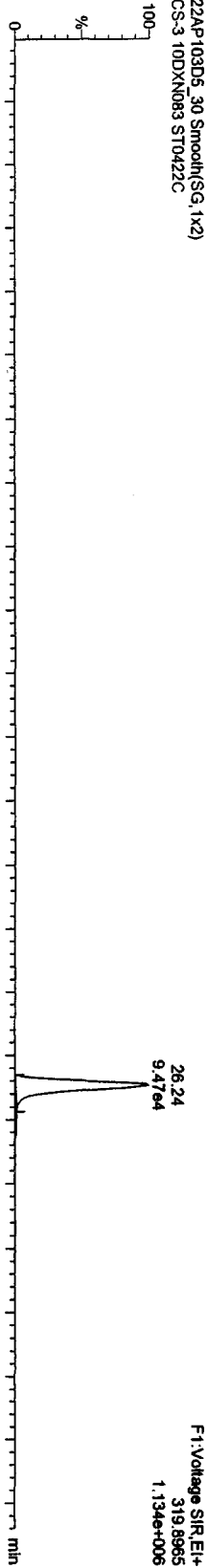
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

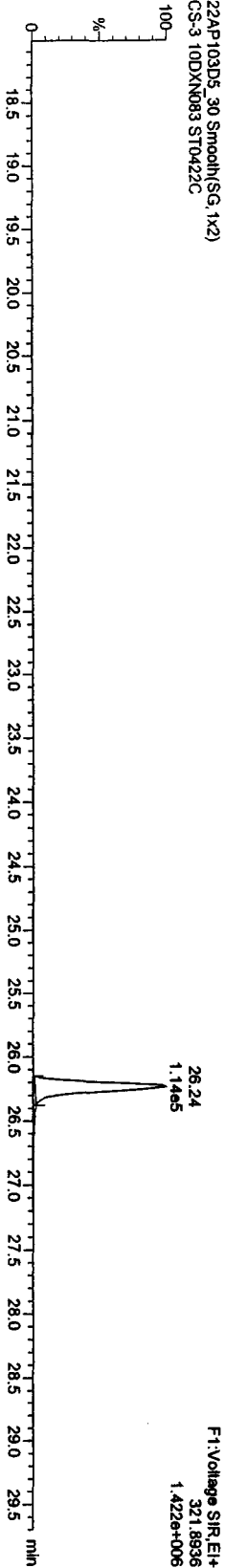
Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

TCDDs

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

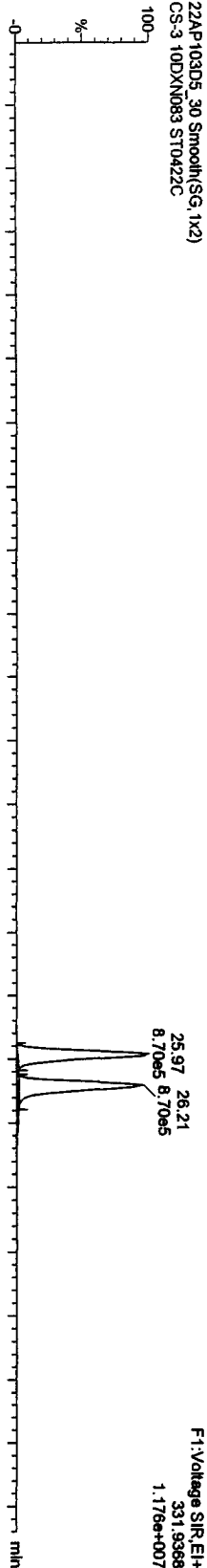


22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

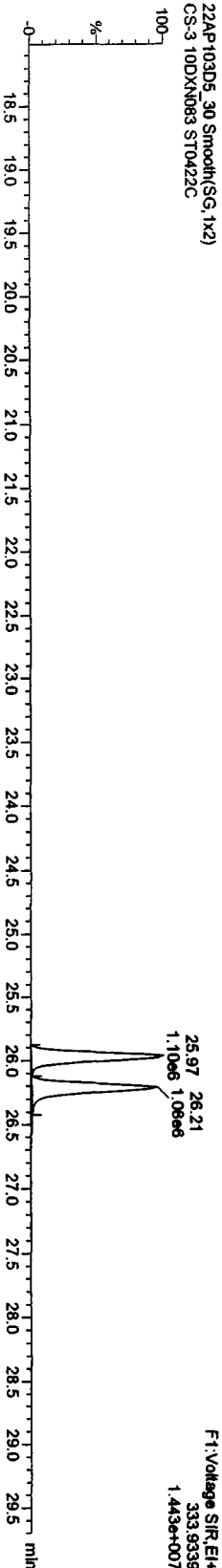


13C-TCDDs

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PROV\22AP103D58290C.qld

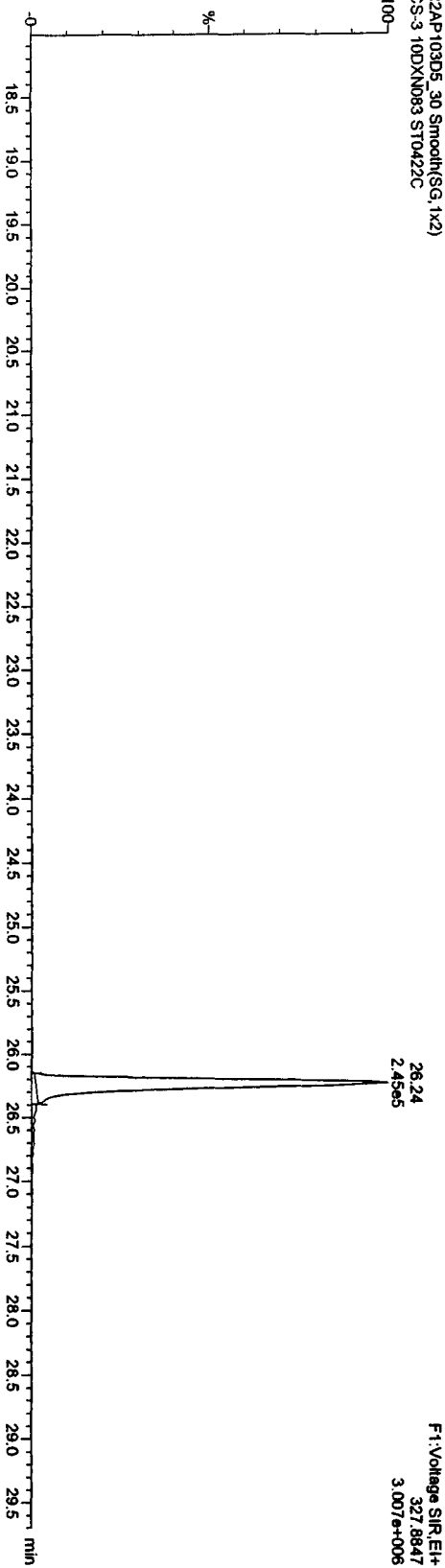
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

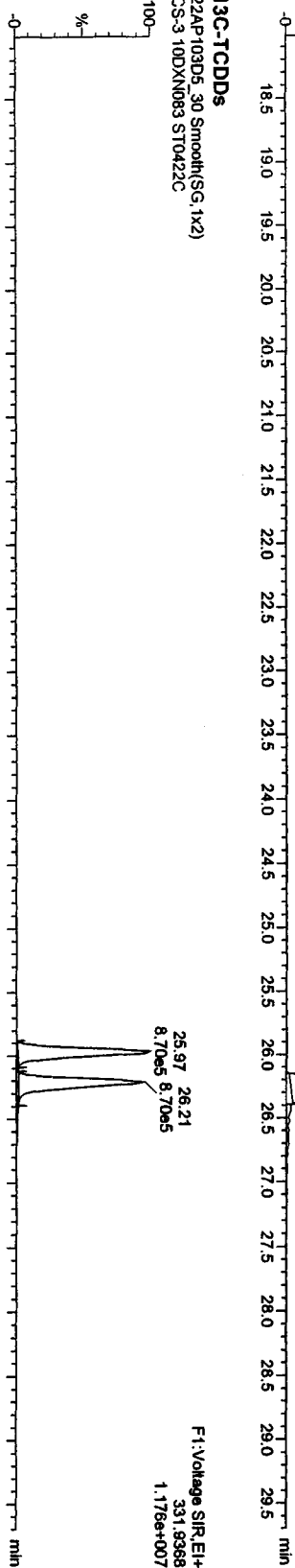
37CL-2,3,7,8-TCDD

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

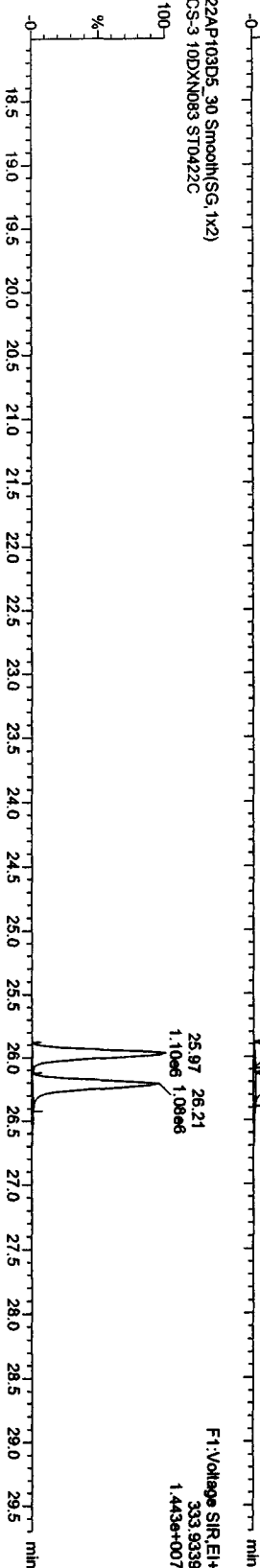


13C-TCDDs

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

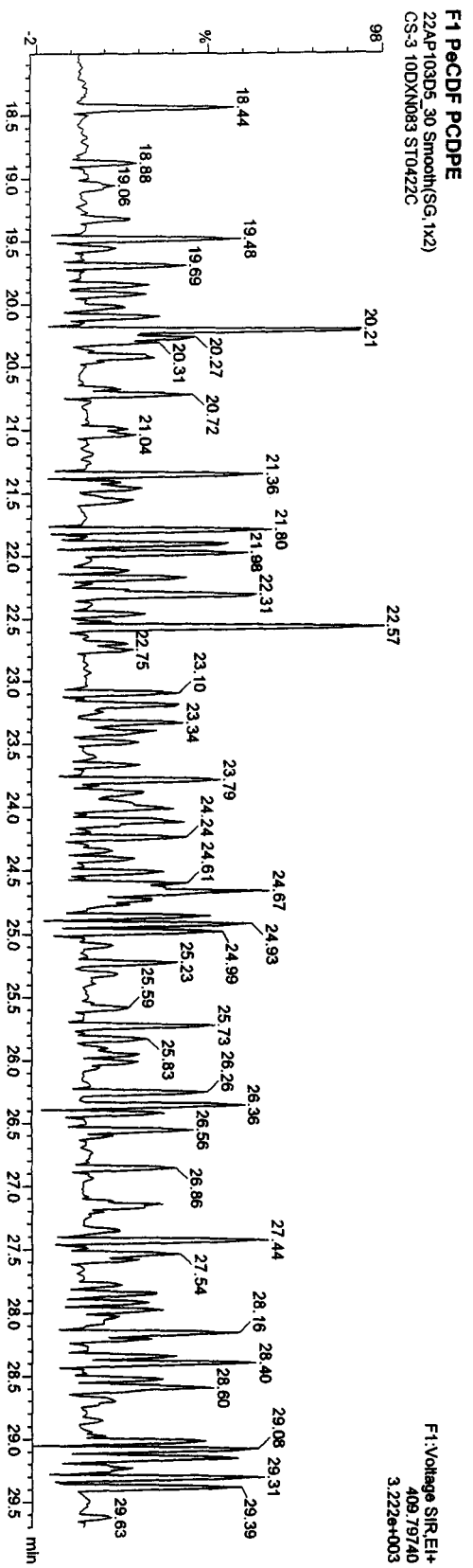
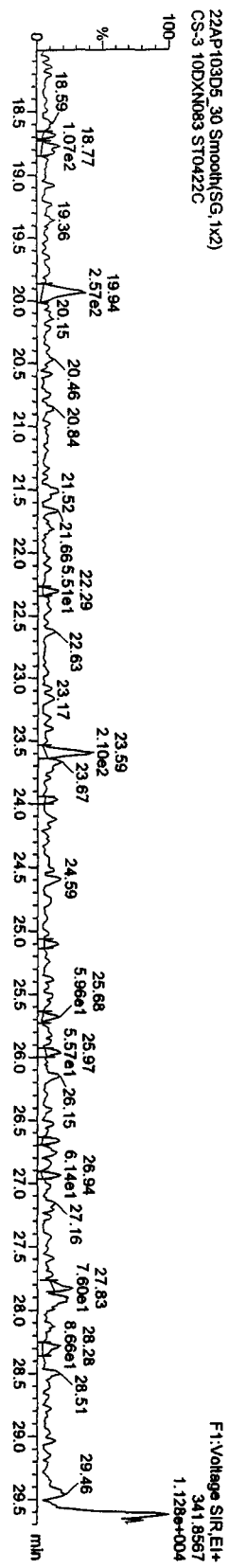
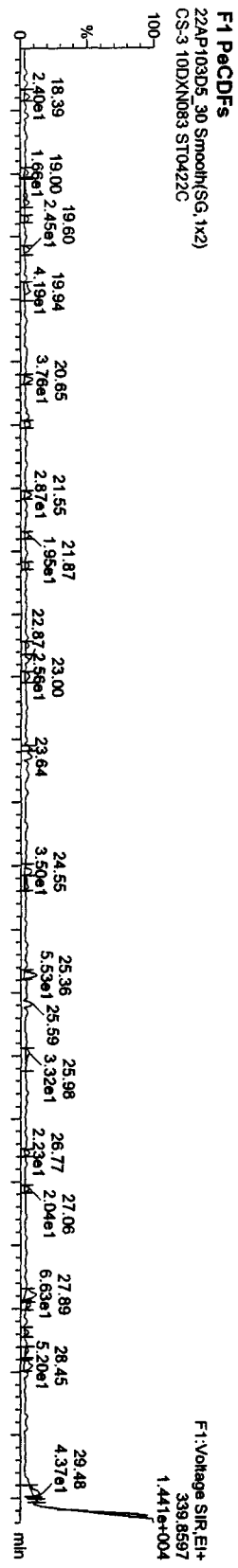


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\22AP103D56290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083



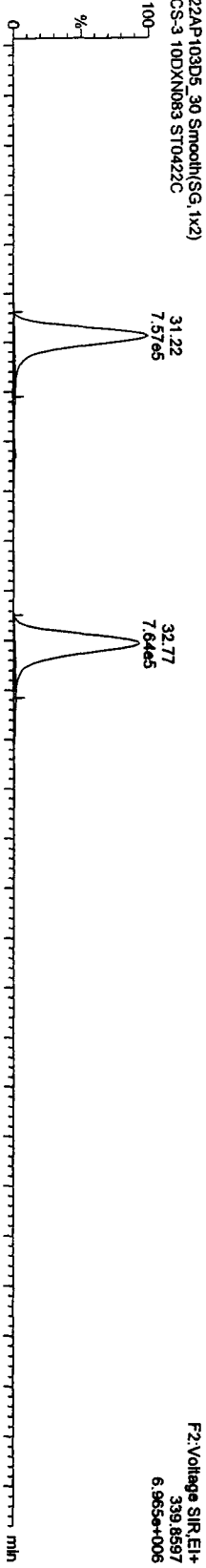
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PROV\22AP103D568290C.qld

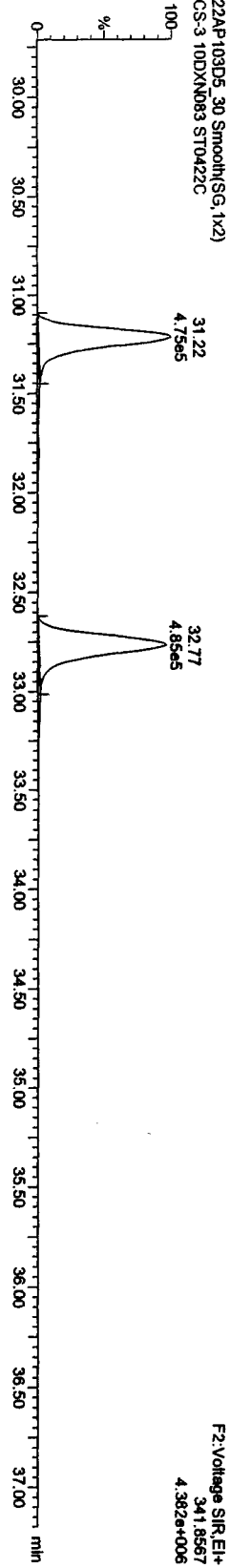
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

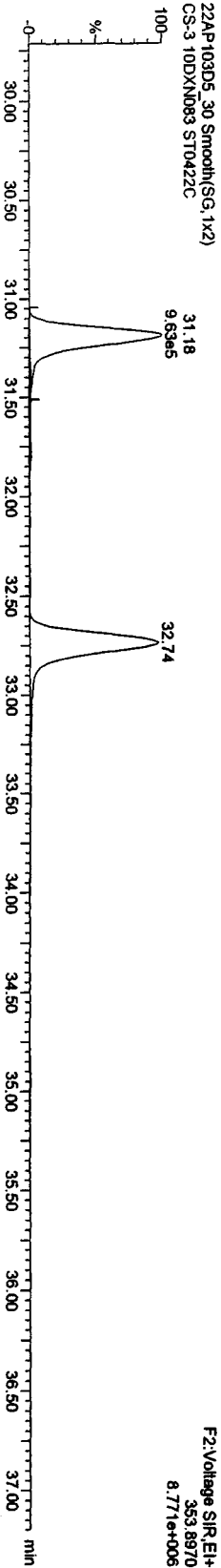
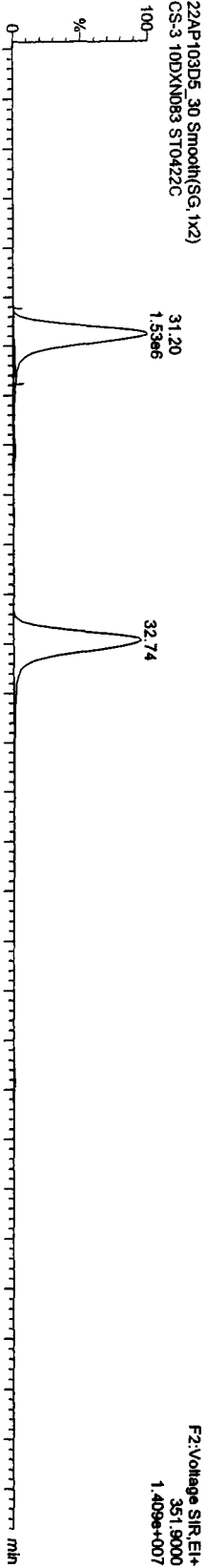
PeCDFs



13C-PeCDFs



13C-PeCDFs



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PROJ\22AP103D568290C.qld

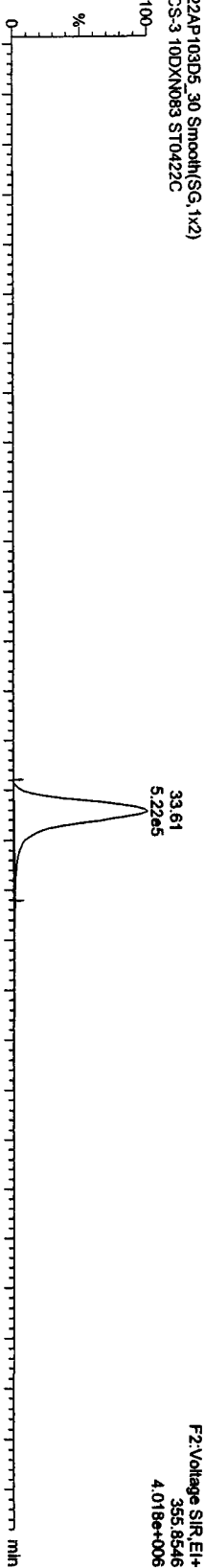
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Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

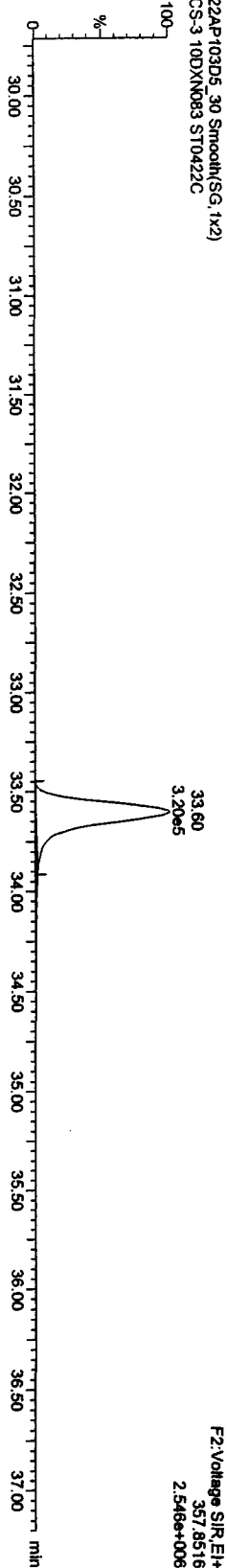
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PaCDDs

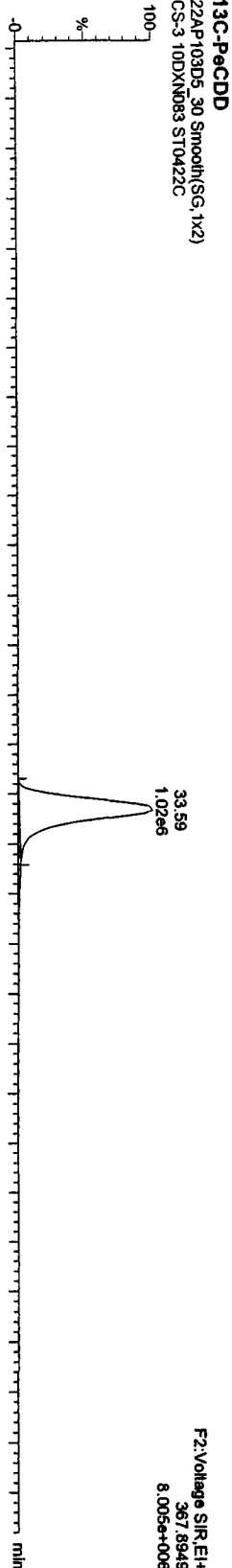
22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



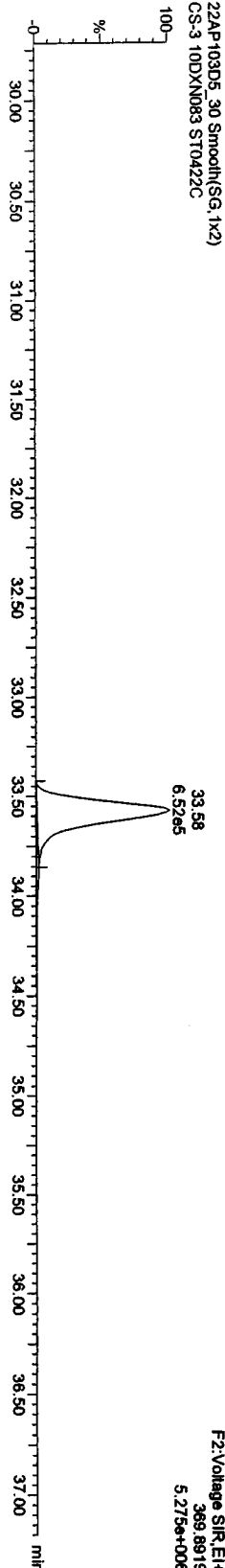
22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



13C-PaCDD
22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



Quantity Sample Report MassLynx 4.1

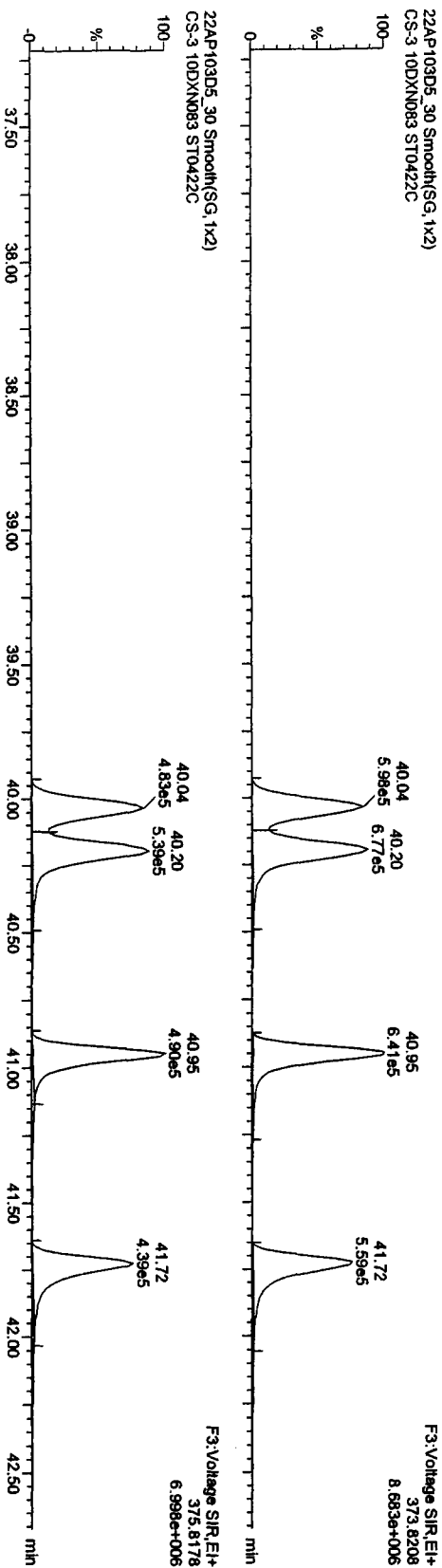
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

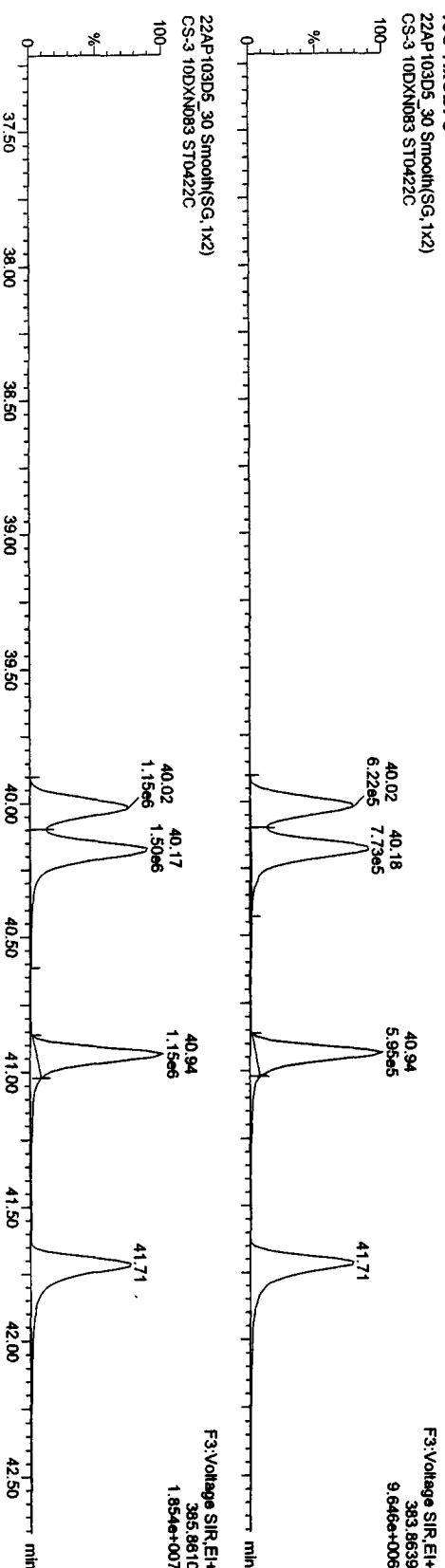
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

HxCDFs



13C-HxCDFs



Quantity Sample Report Masslynx 4.1

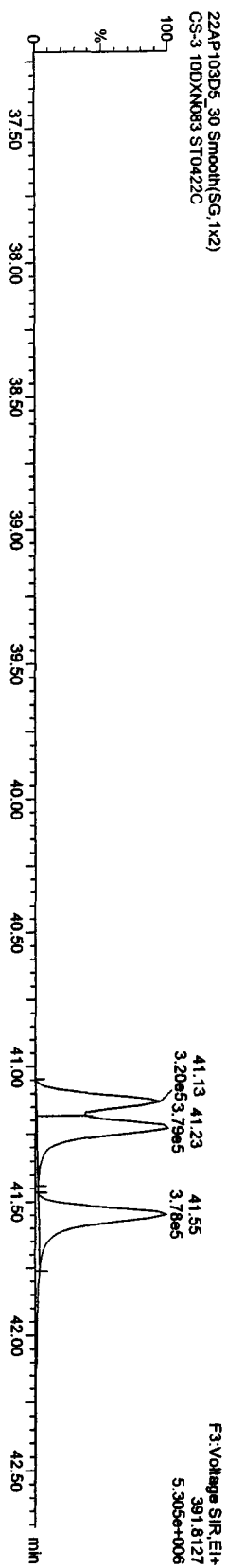
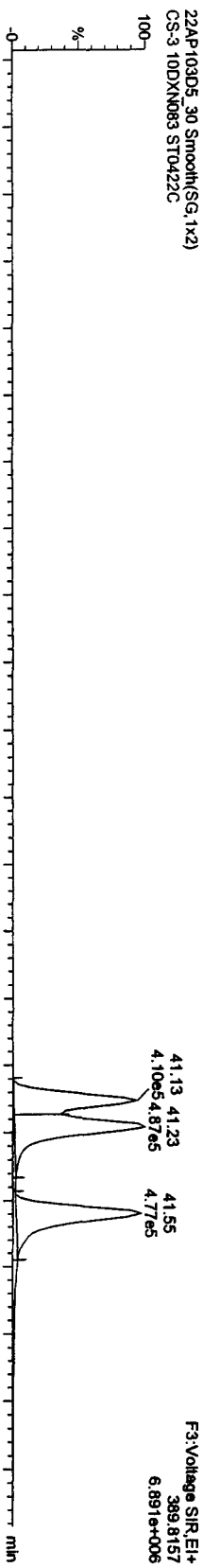
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

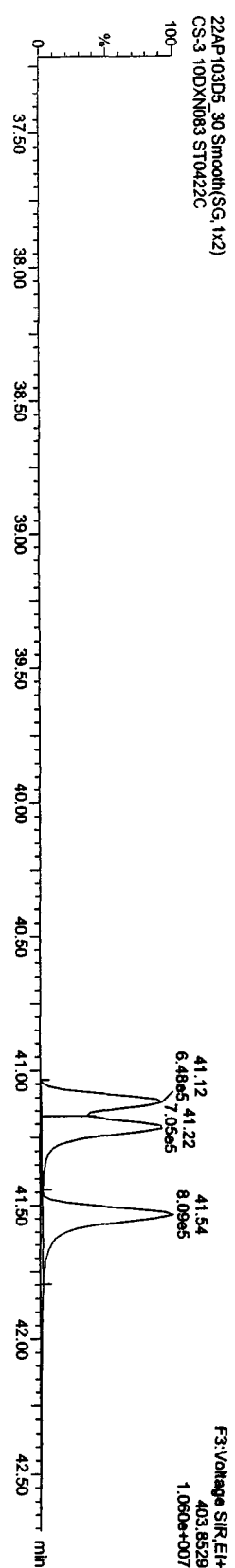
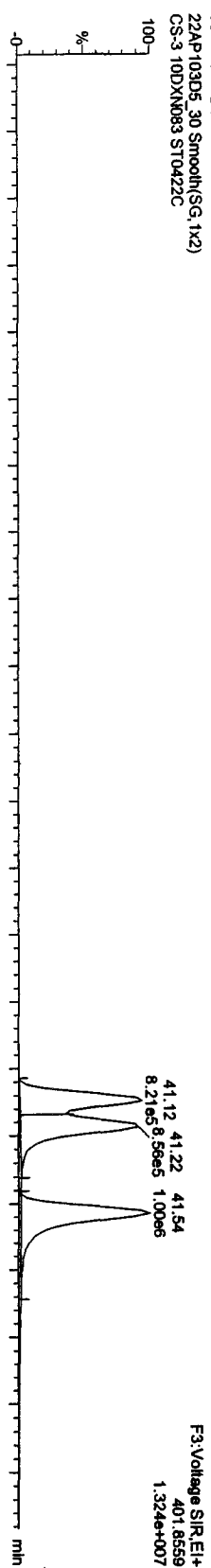
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

HxCDDs



13C-HxCDDs



Quantity Sample Report Masslynx 4.1

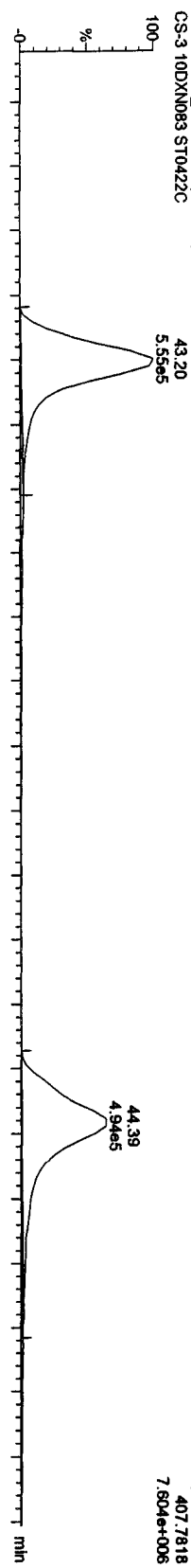
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

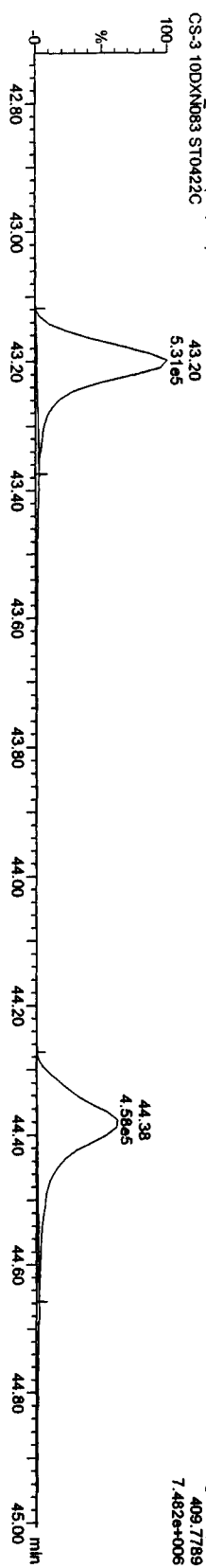
Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

HPCDFs

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

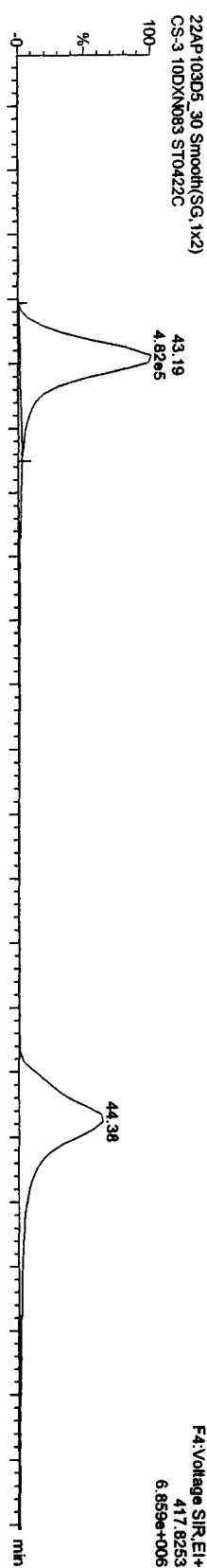


22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

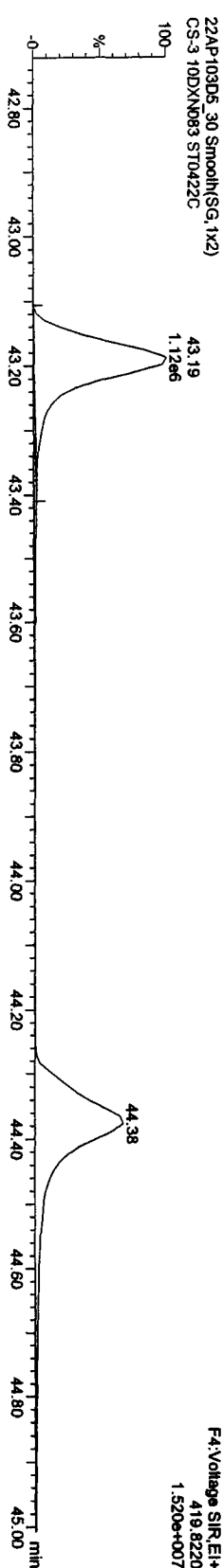


13C-HPCDFs

22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C



22AP103D5_30 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422C

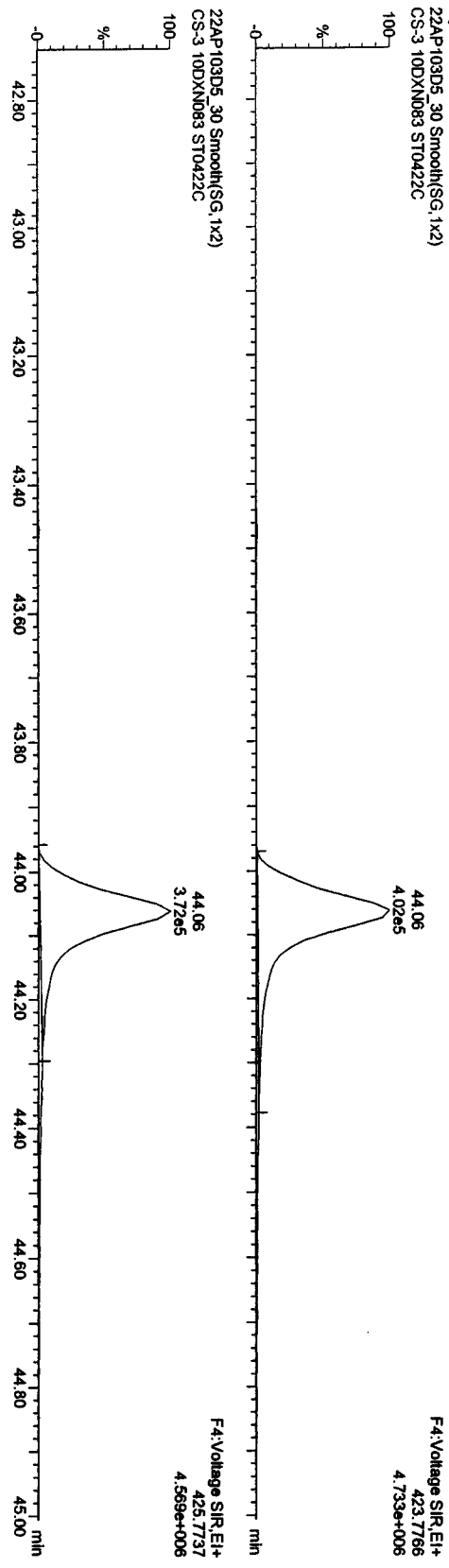


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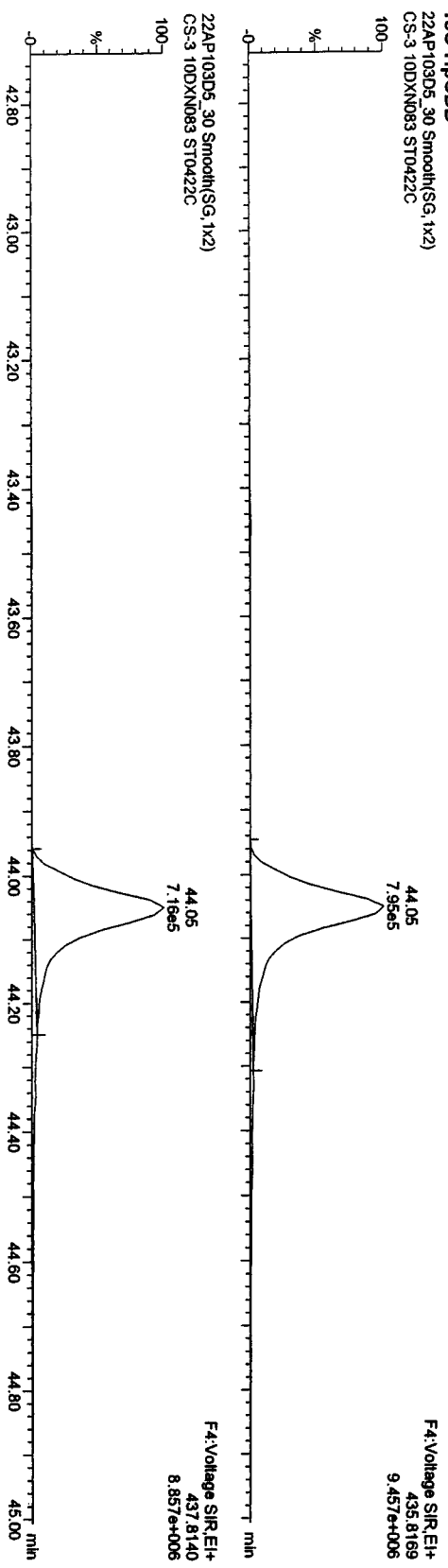
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

HPCDDs



13C-HPCDD

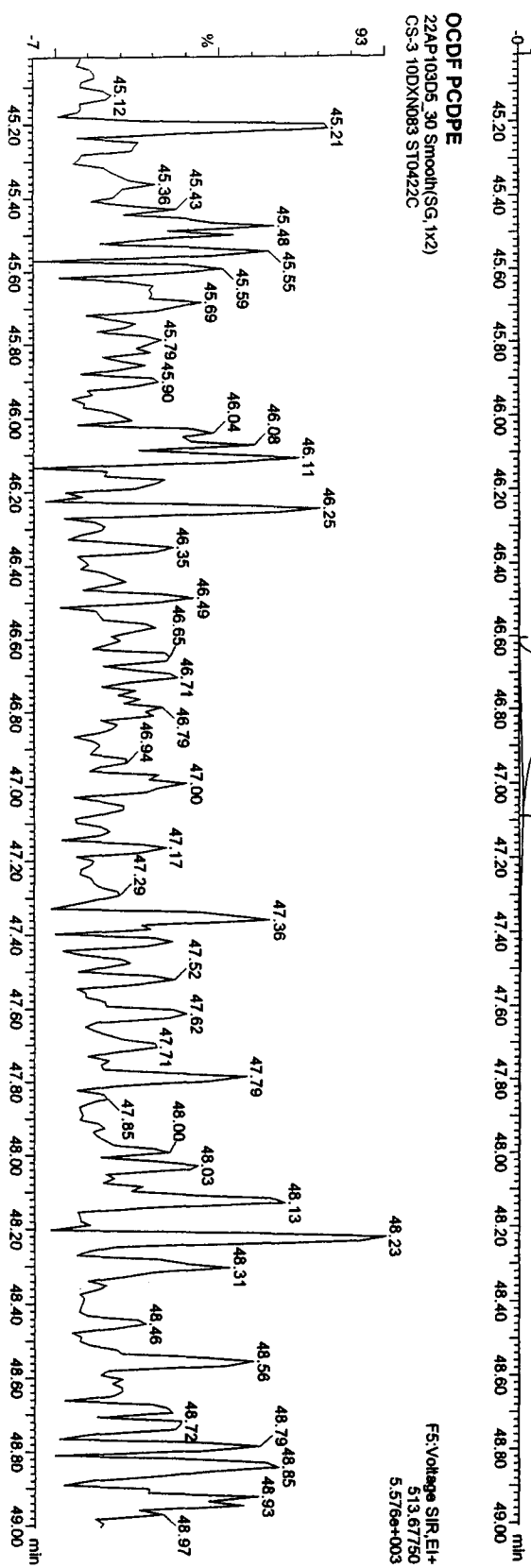
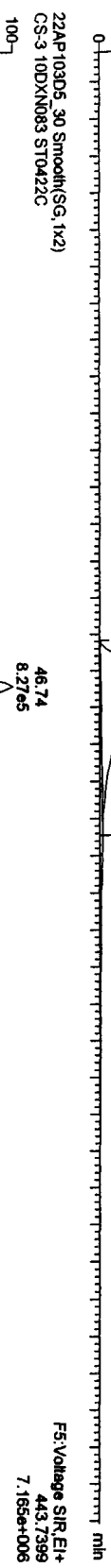


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UAN2010.PROV\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PROV\22AP103D68290C.qld

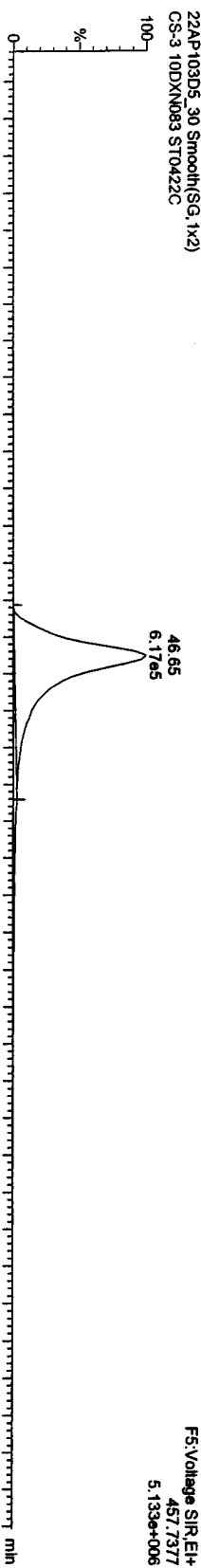
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

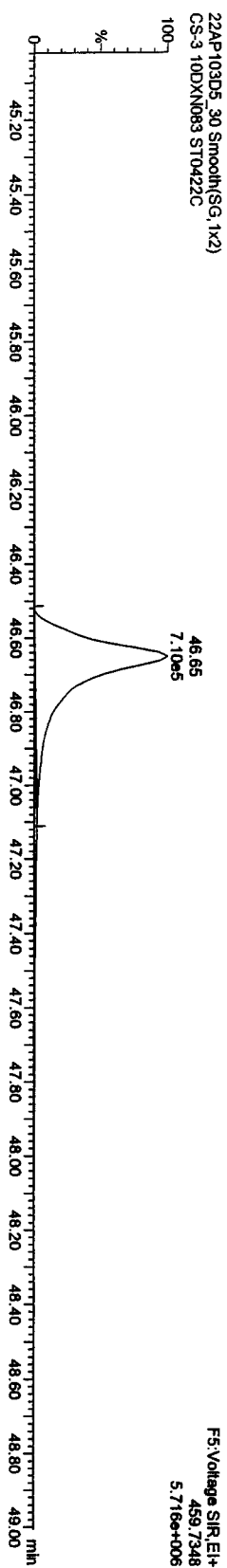
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OCDD

22AP103D5_30 Smooth(SG,1x2)
CS-3 10DXN083 ST0422C

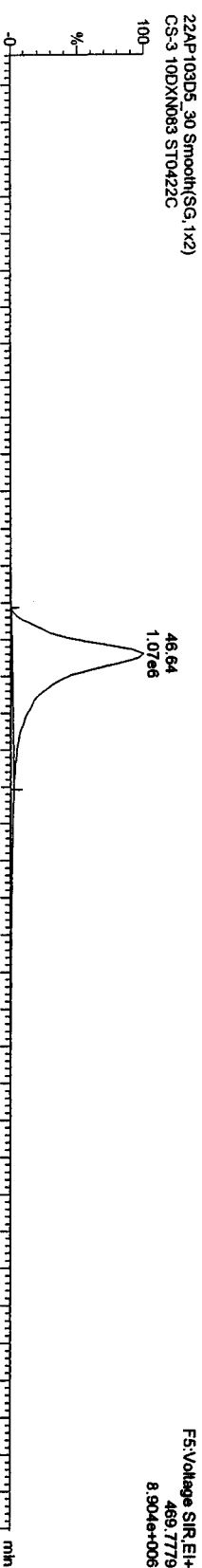


22AP103D5_30 Smooth(SG,1x2)
CS-3 10DXN083 ST0422C

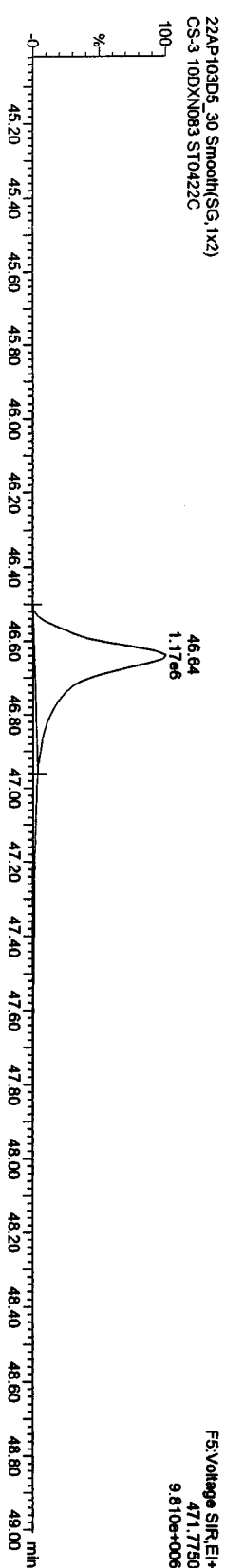


13C-OCDD

22AP103D5_30 Smooth(SG,1x2)
CS-3 10DXN083 ST0422C



22AP103D5_30 Smooth(SG,1x2)
CS-3 10DXN083 ST0422C

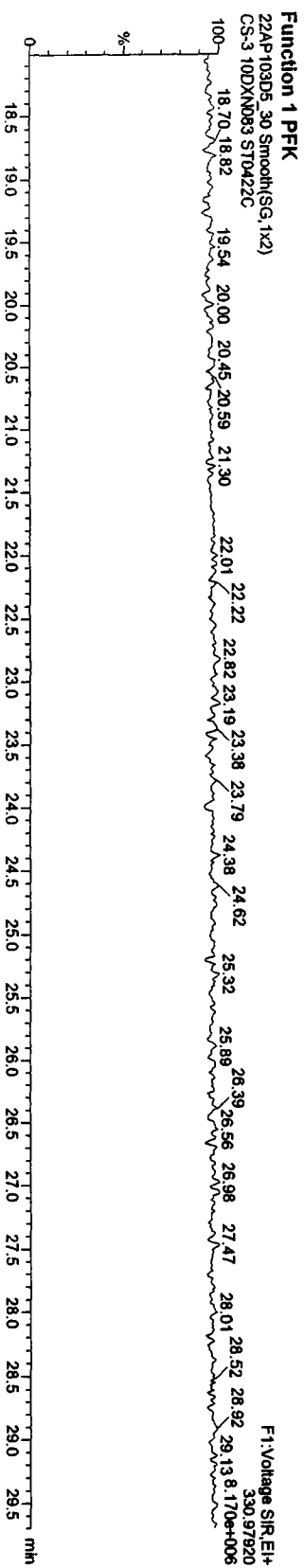
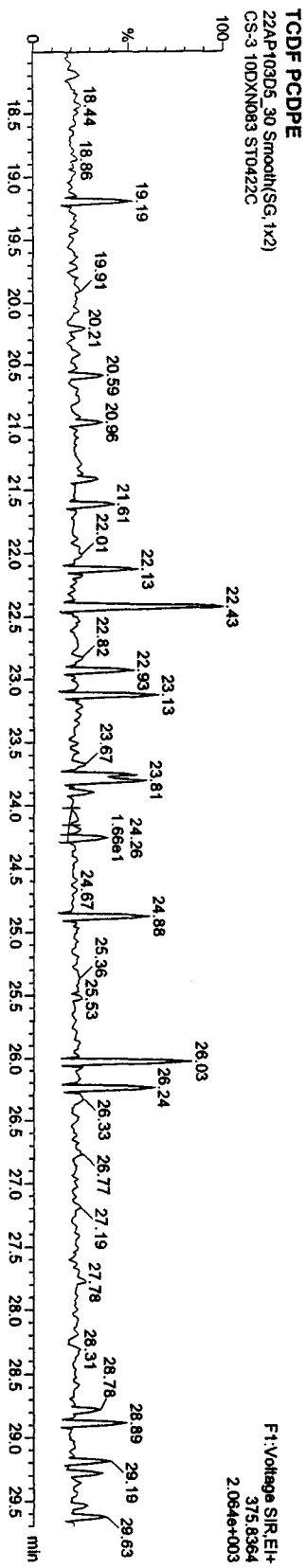
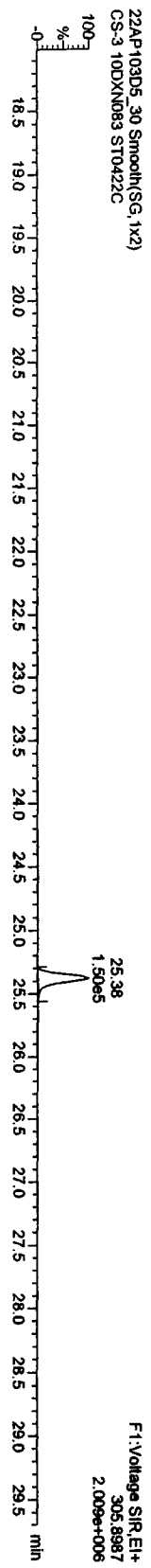
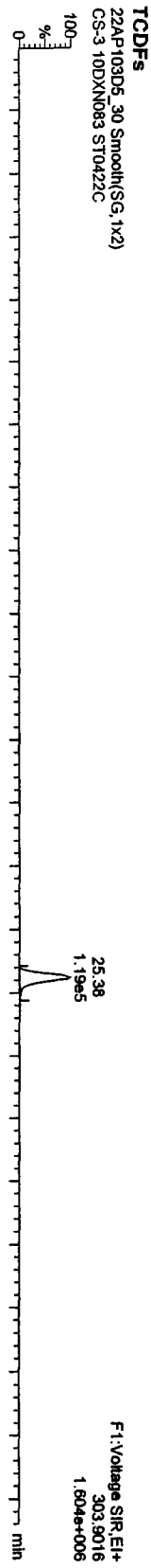


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\Z2AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
 Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: Z2AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083



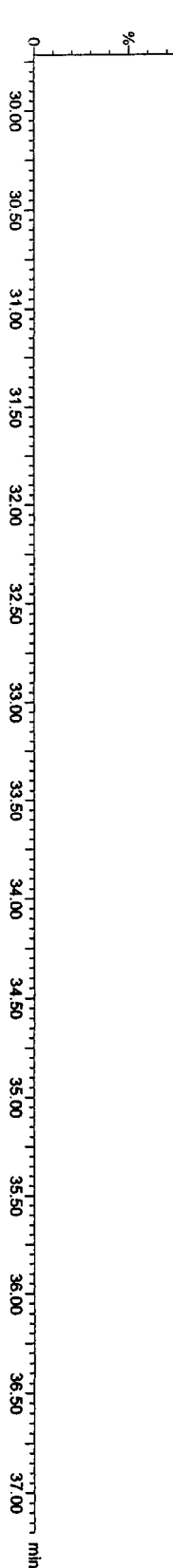
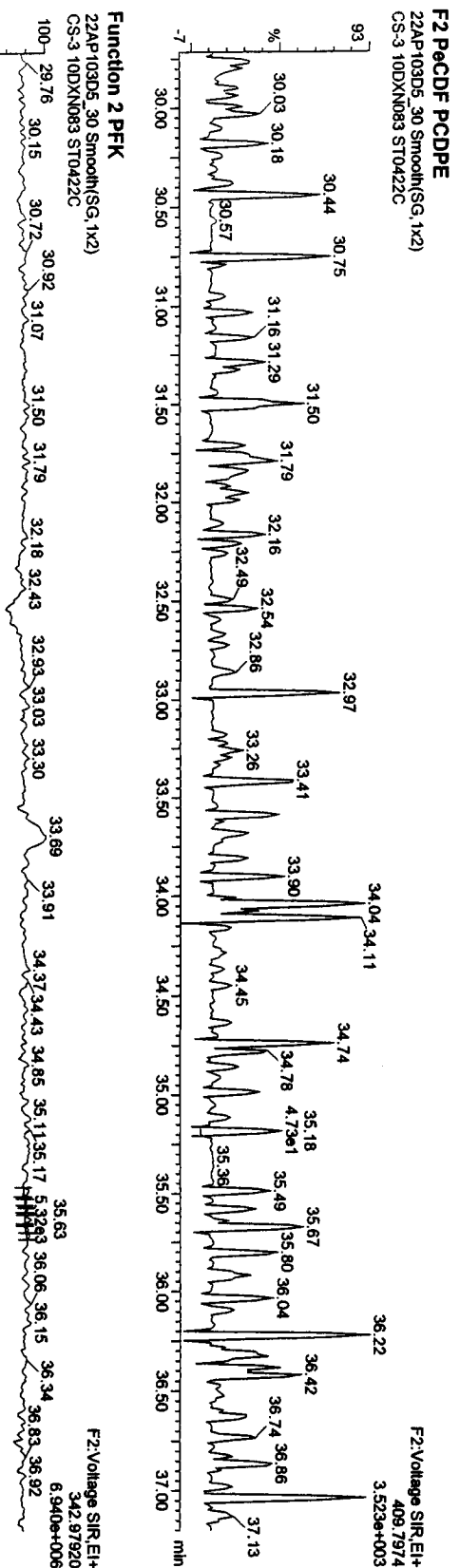
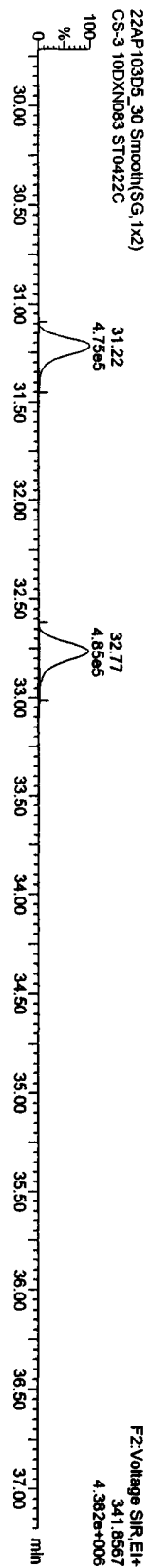
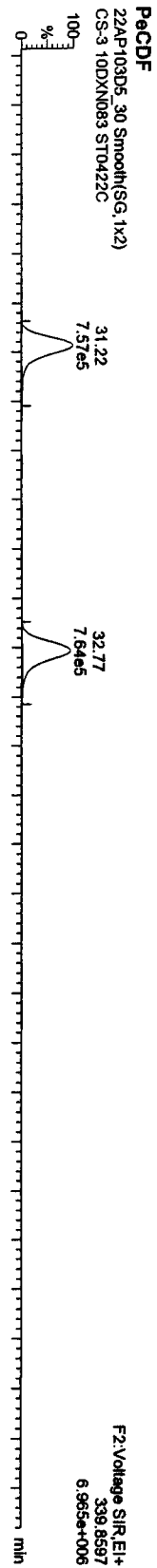
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

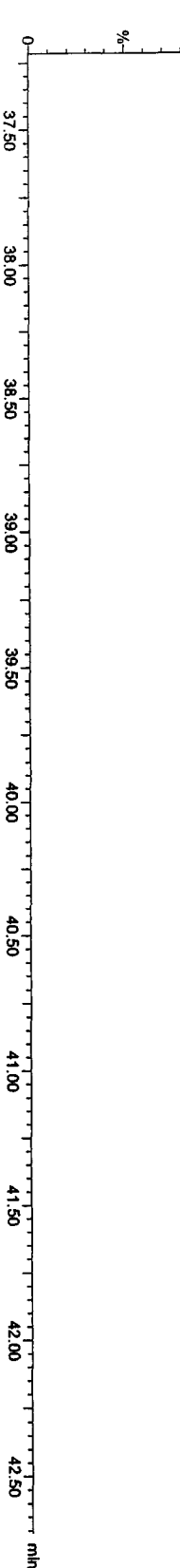
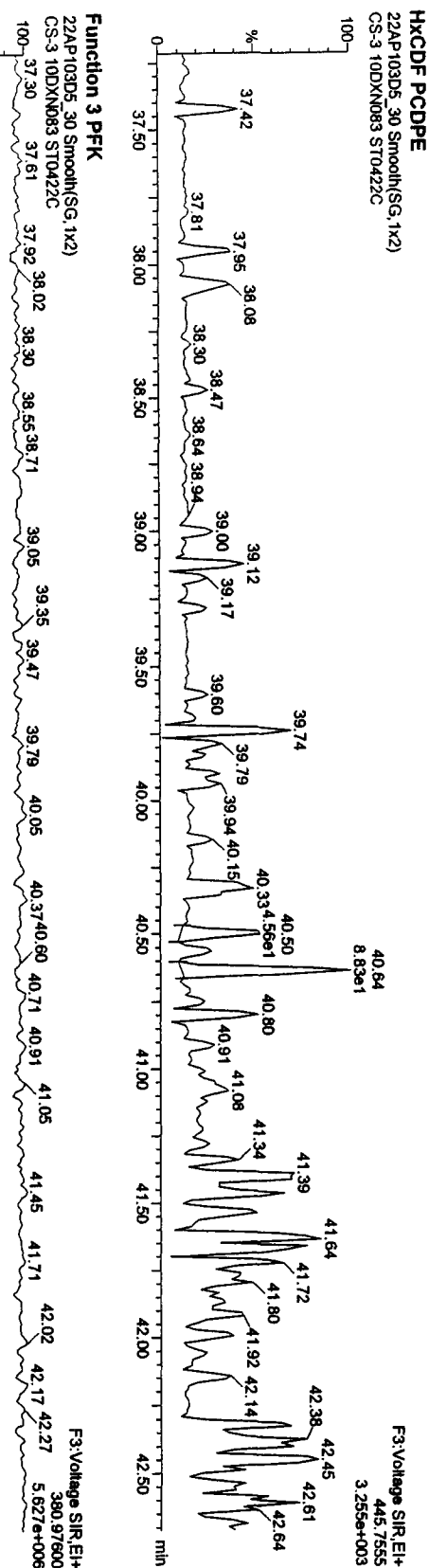
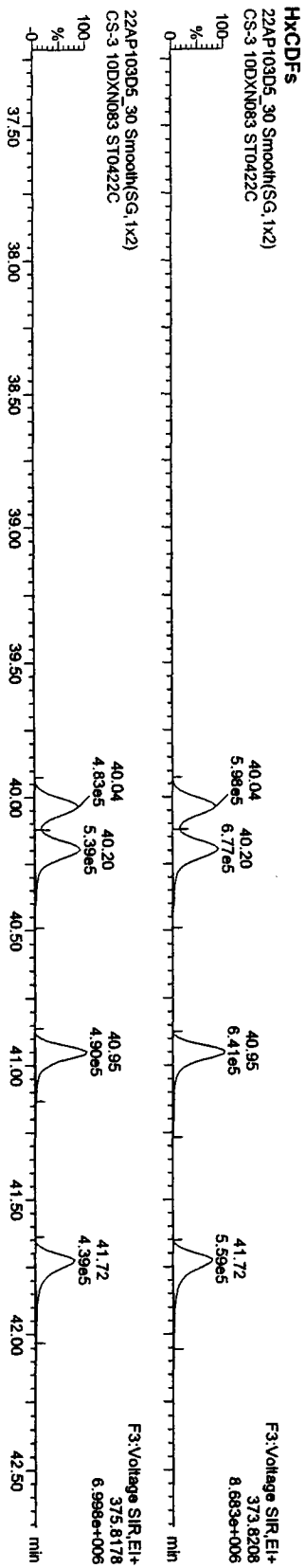
Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083



Dataset: C:\MassLynx\LAN2010\PROJ\22AP103D68290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083



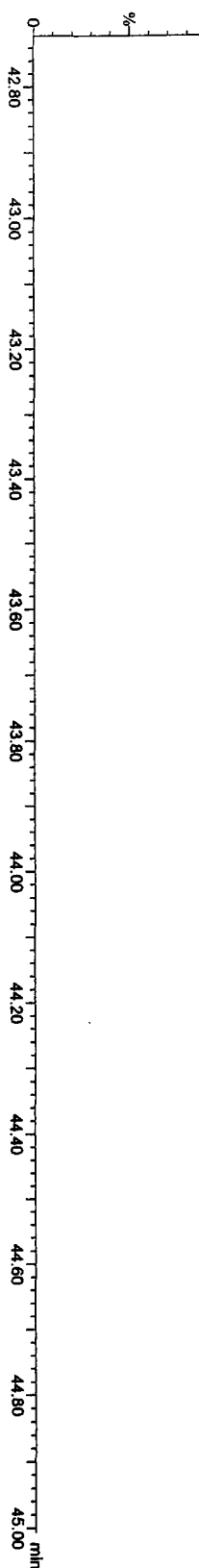
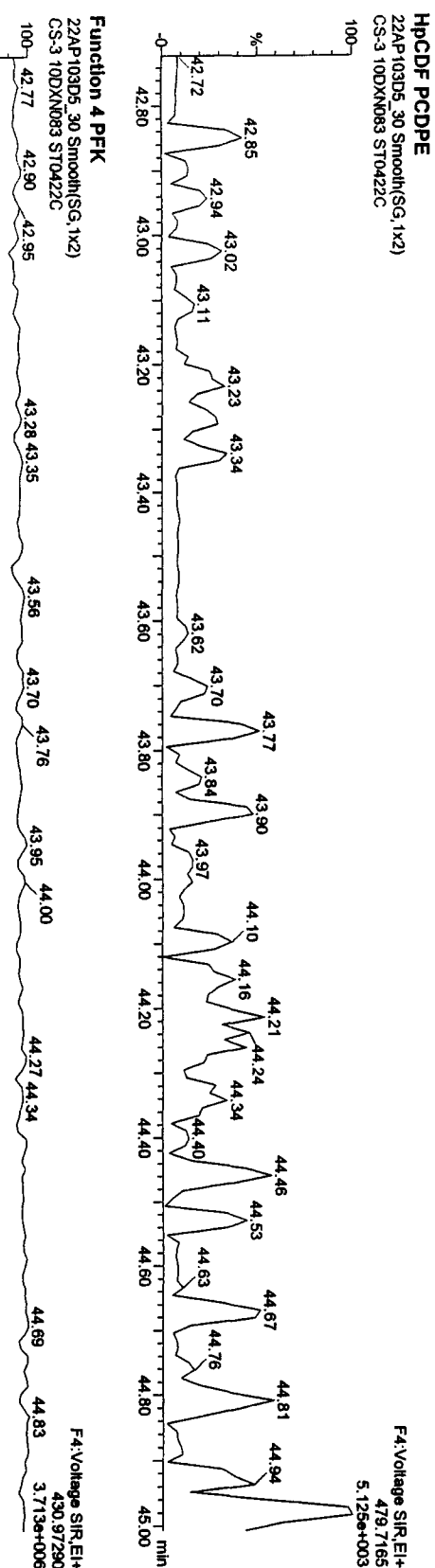
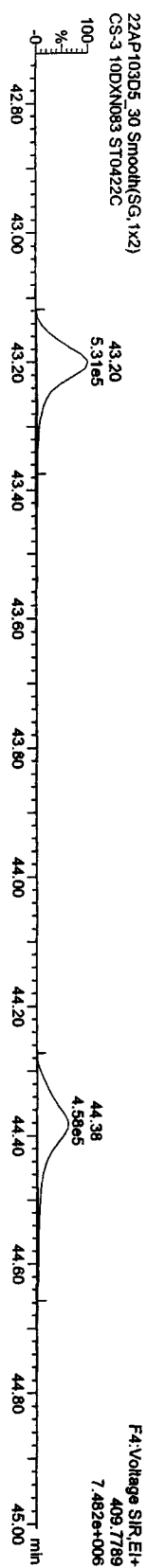
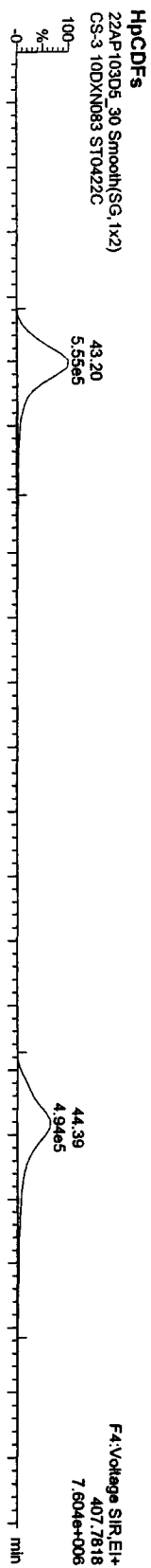
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\22AP103D58290C.qld

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Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

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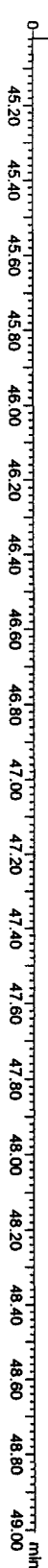
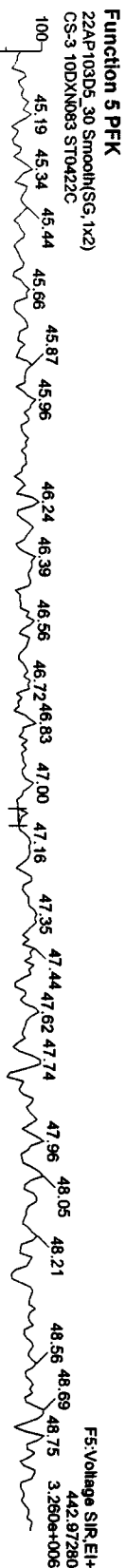
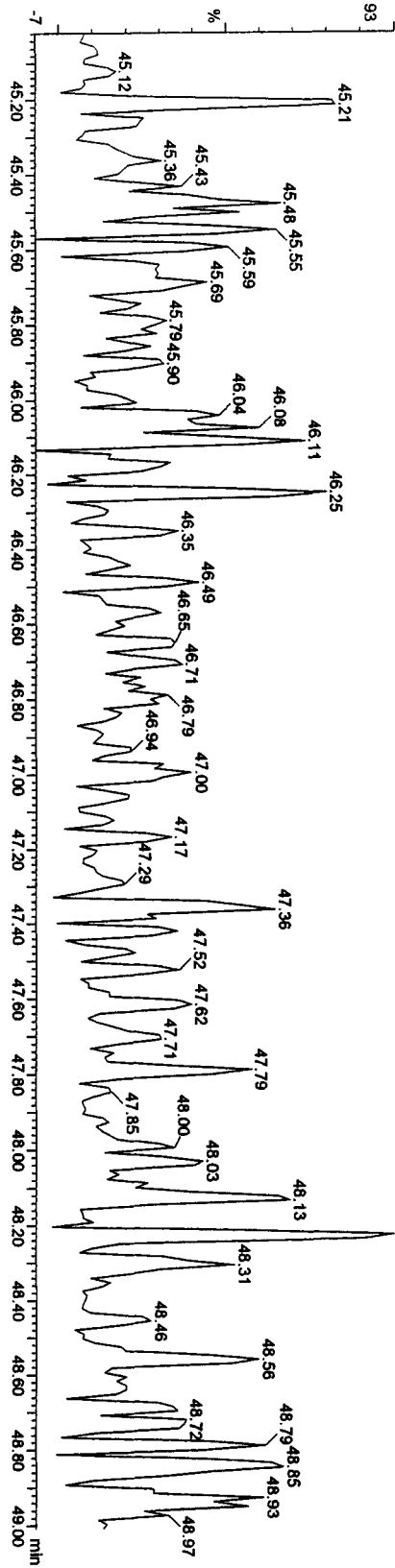
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP-103D5_30, Date: 23-Apr-2010, Time: 11:51:45, ID: ST0422C, Description: CS-3 10DXN083

OCDF PCDPE
22AP103D5_30 Smooth(SG,1x2)
CS-3 10DXN083 ST0422C

F5:Voltage SIR,EI+
513.67750
5.576e+003



Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\JAN2010\PROJ\22AP103D56290C.qld

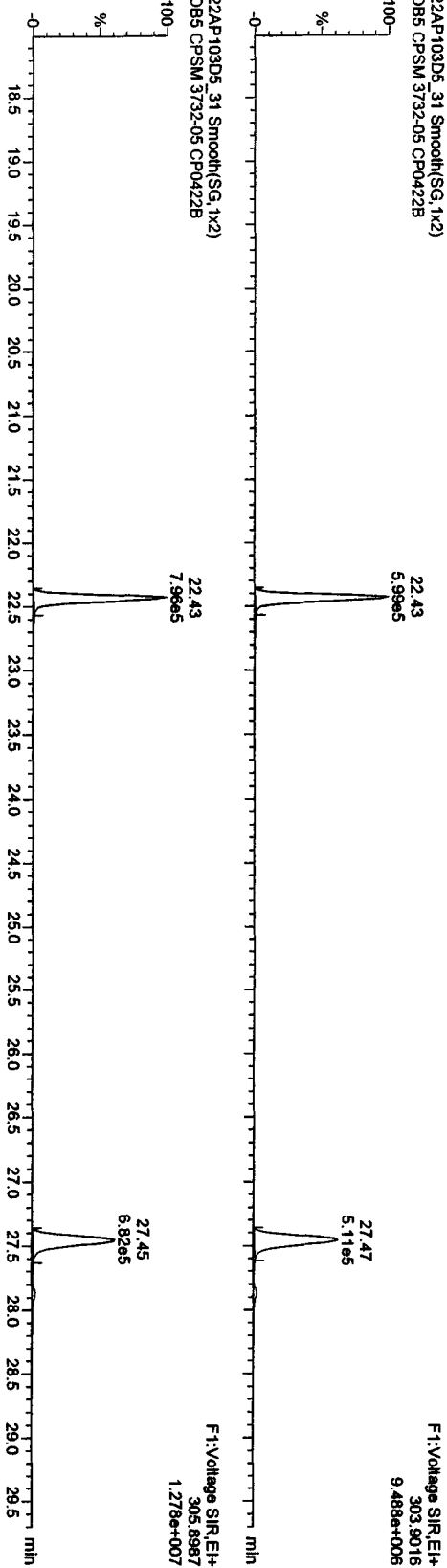
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

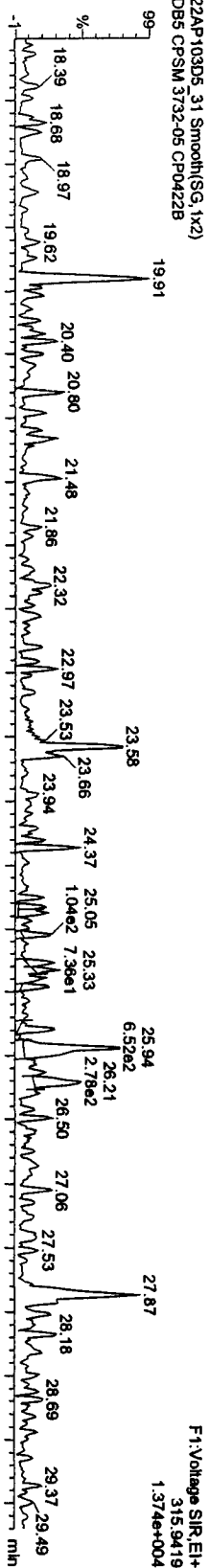
TCDFs

22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B

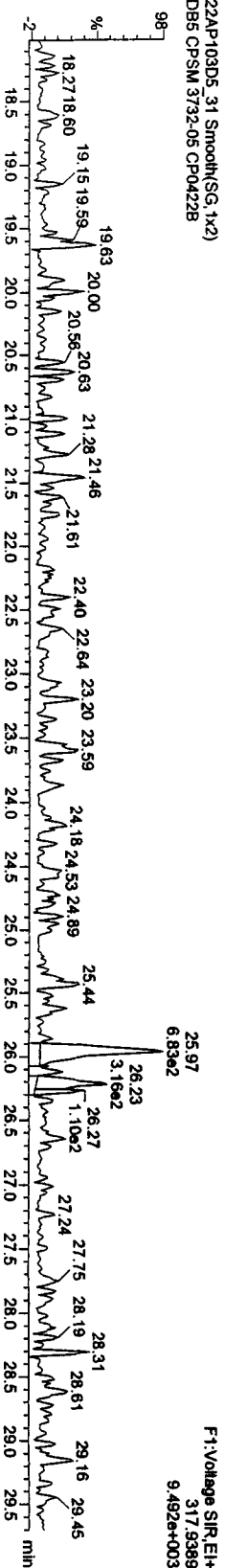


13C-TCDF

22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B

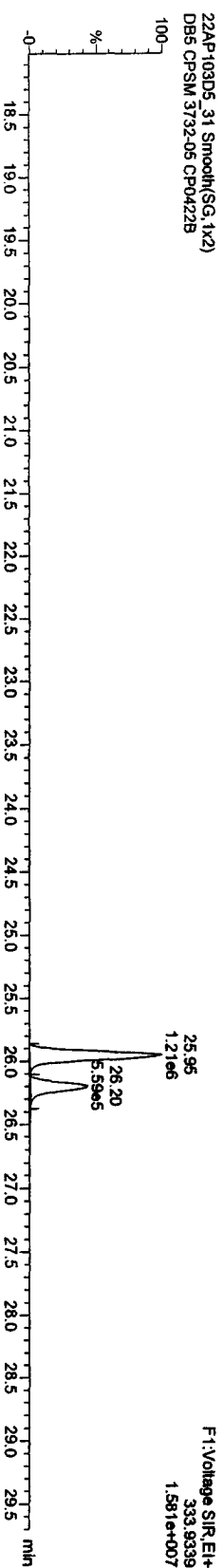
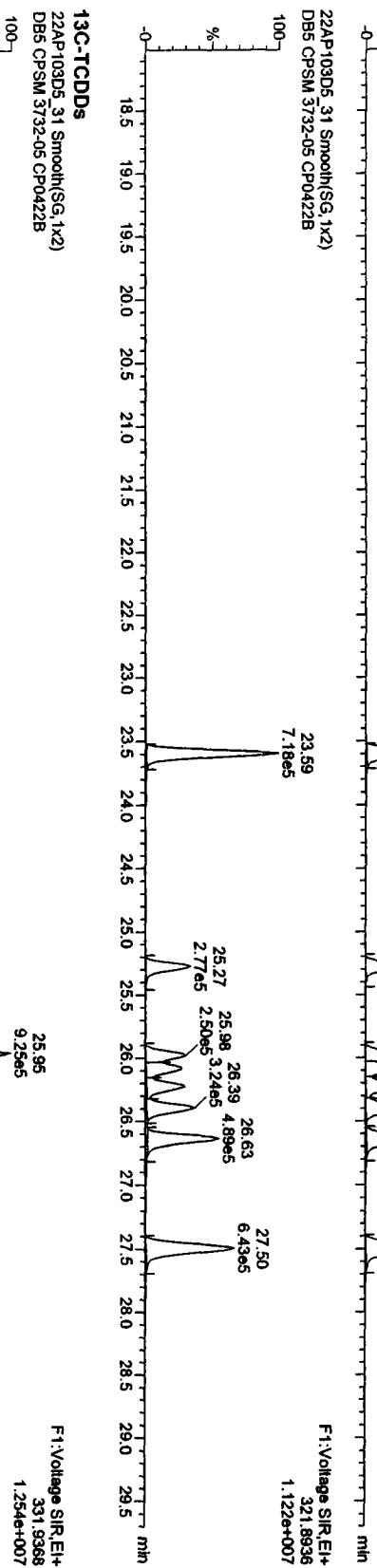
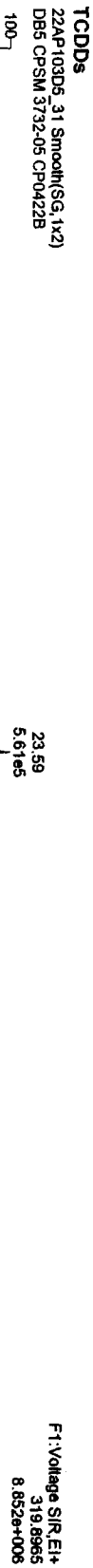


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05



Quantity Sample Report MassLynx 4.1

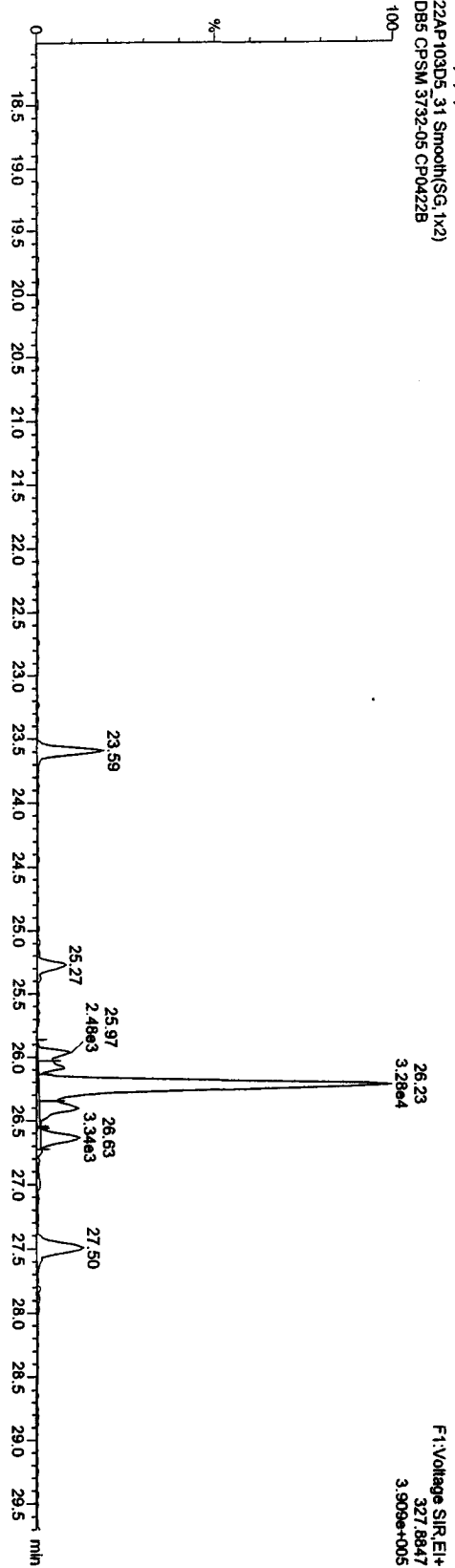
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

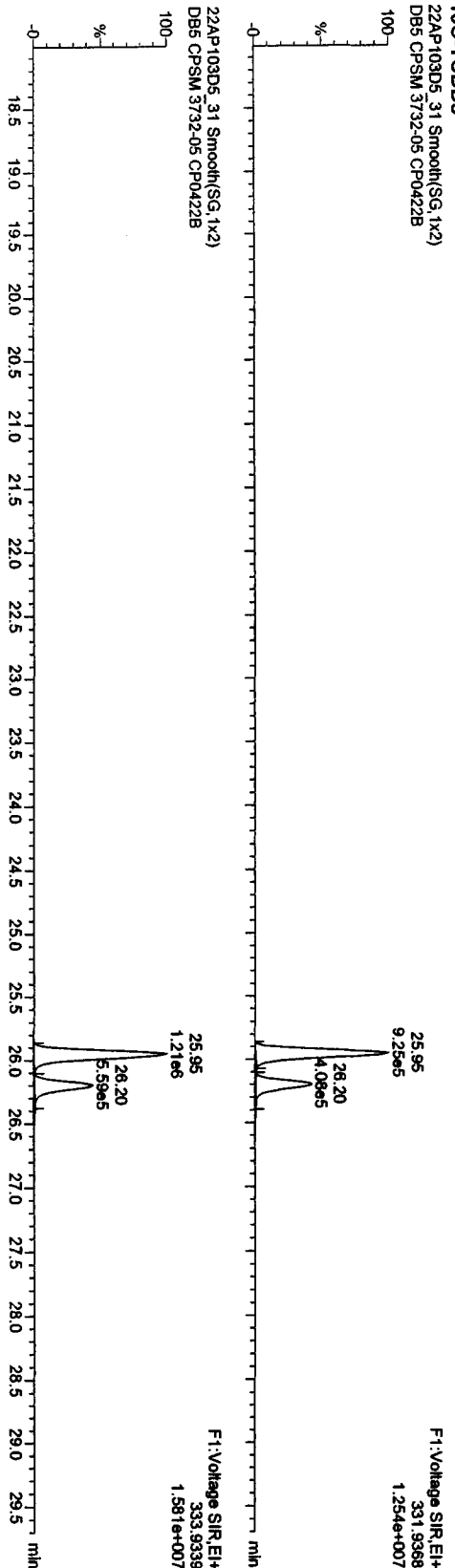
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37CL-2,3,7,8-TCDD
22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



F1:Voltage SIR_EI+
327.8847
3.909e+005

13C-TCDDs
22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



F1:Voltage SIR_EI+
333.9339
1.581e+007

Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\ZAP103D58290C.qld

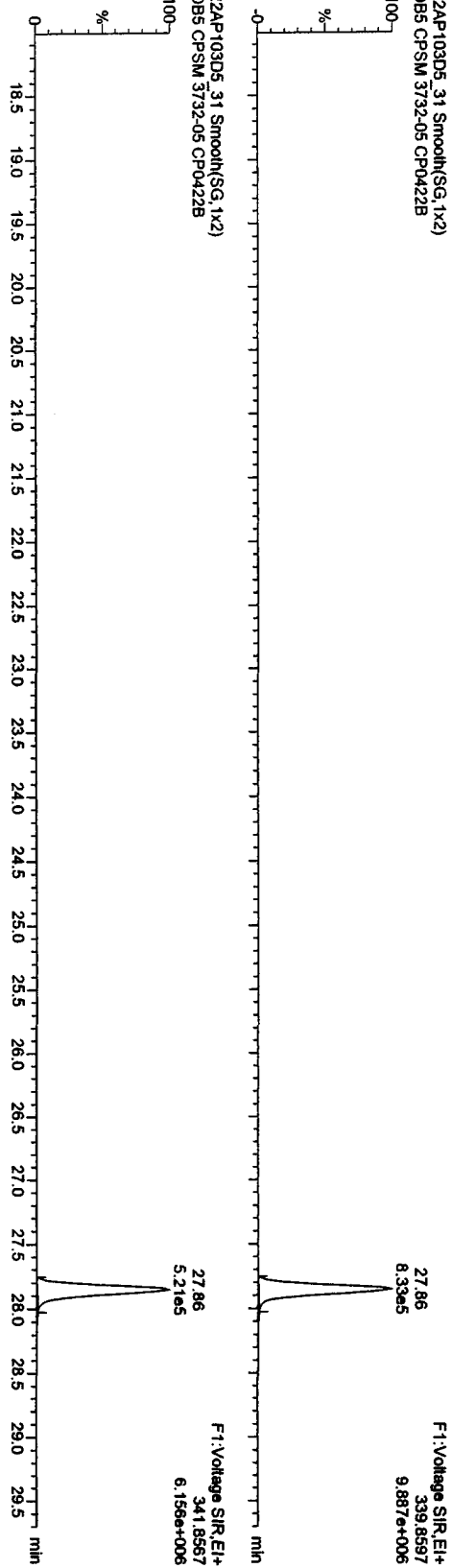
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Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

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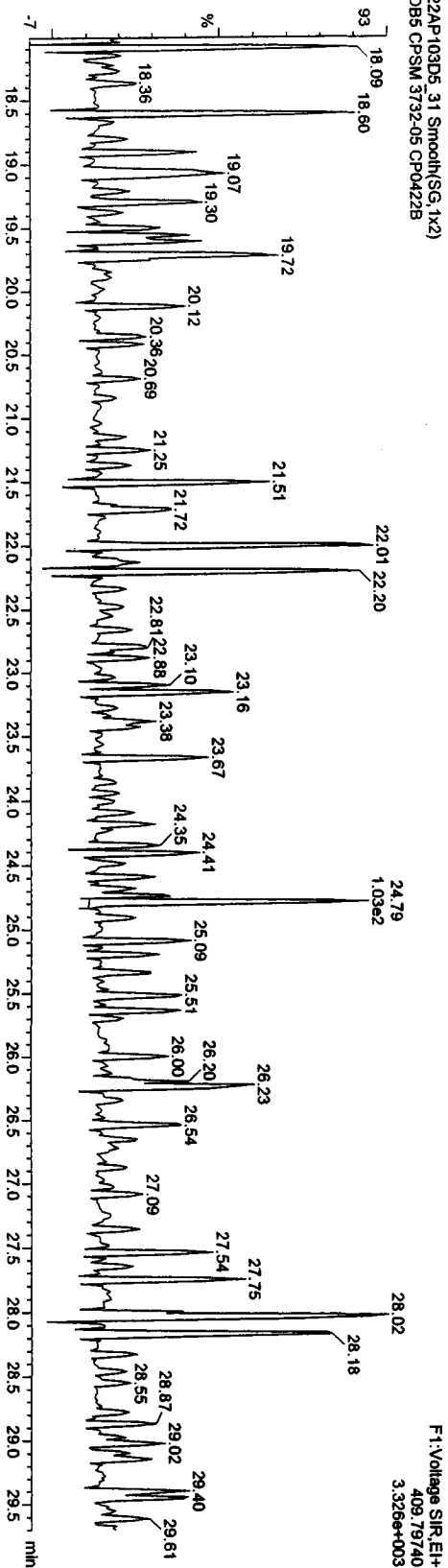
F1 PCDFs

22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



F1 PCDF PCDFE

22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



Quantity Sample Report MassLynx 4.1

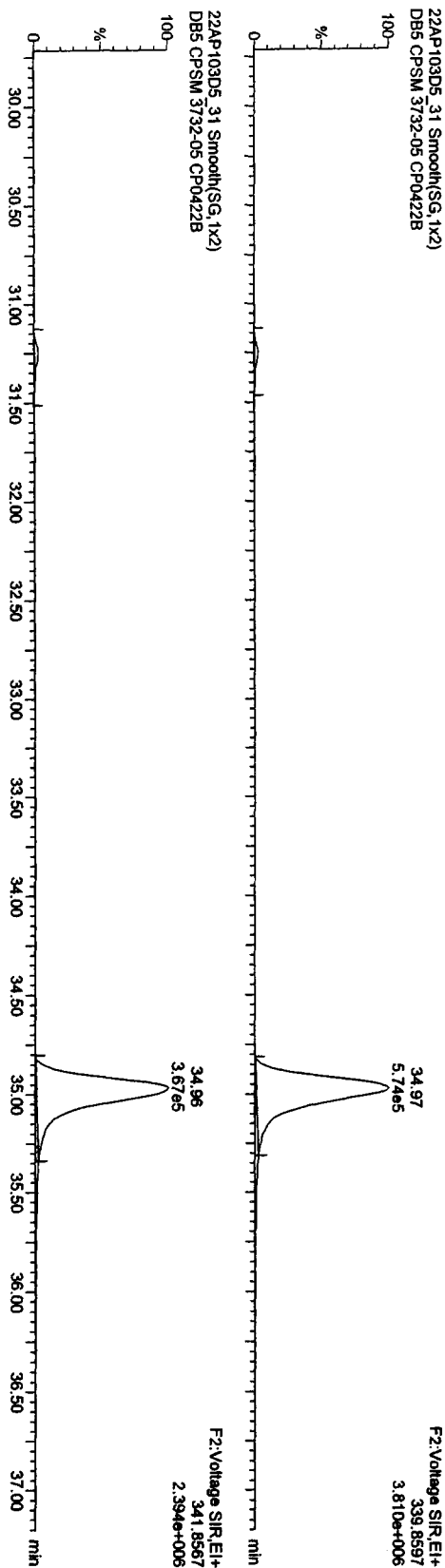
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

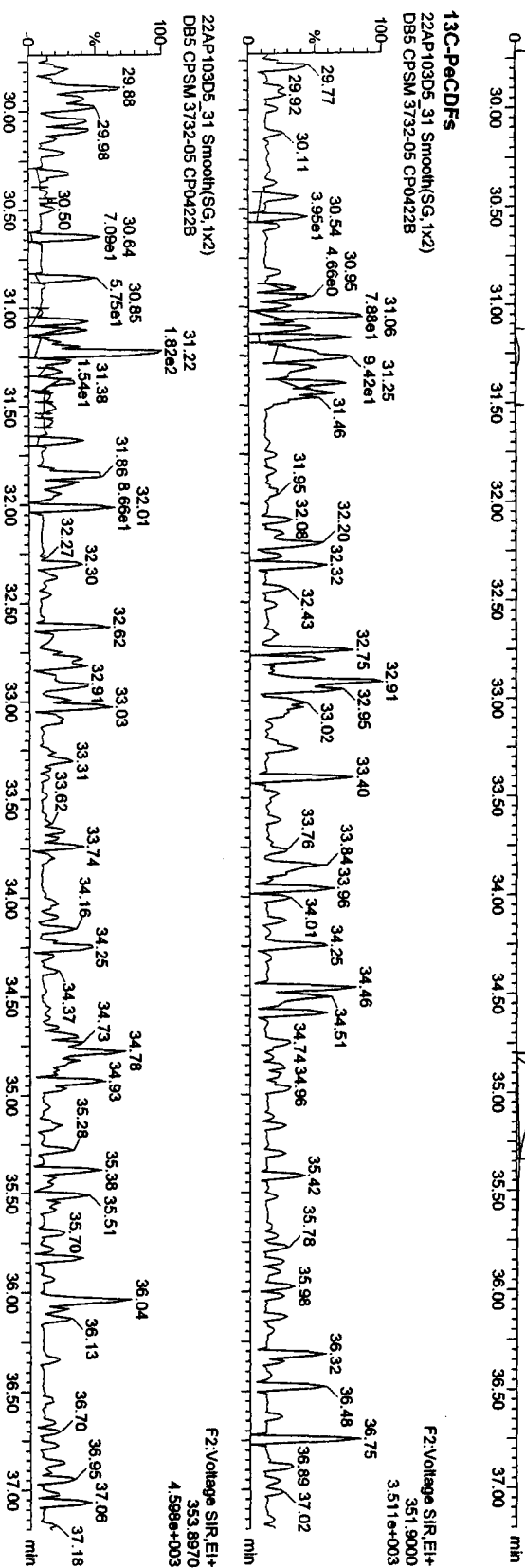
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

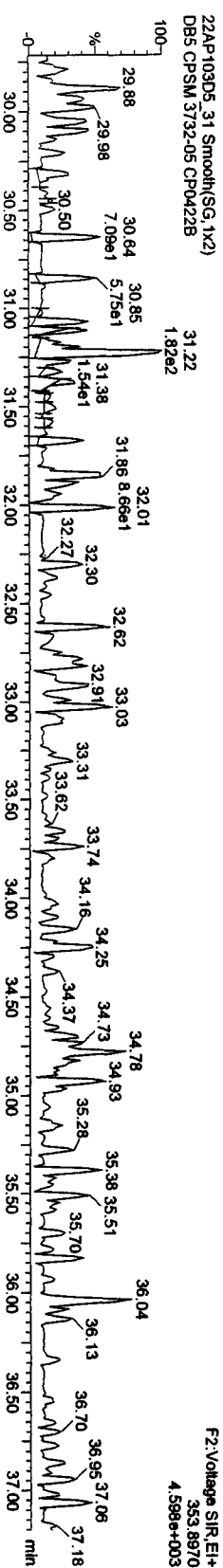
PeCDFs
22AP103D5_31 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0422B



13C-PeCDFs
22AP103D5_31 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0422B



22AP103D5_31 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0422B



Quantify Sample Report MassLynx 4.1

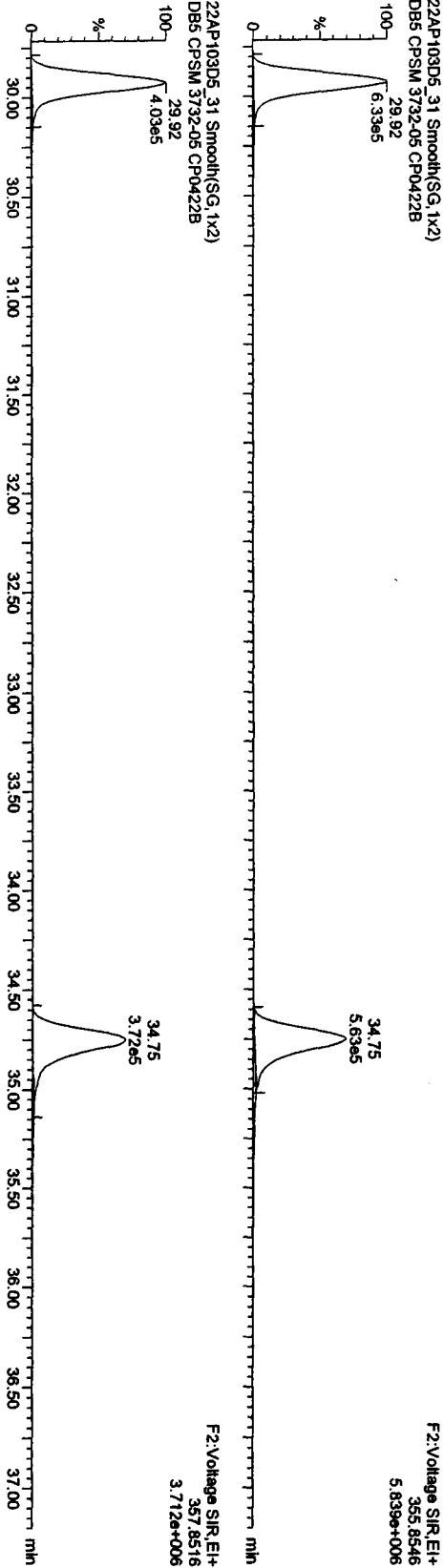
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

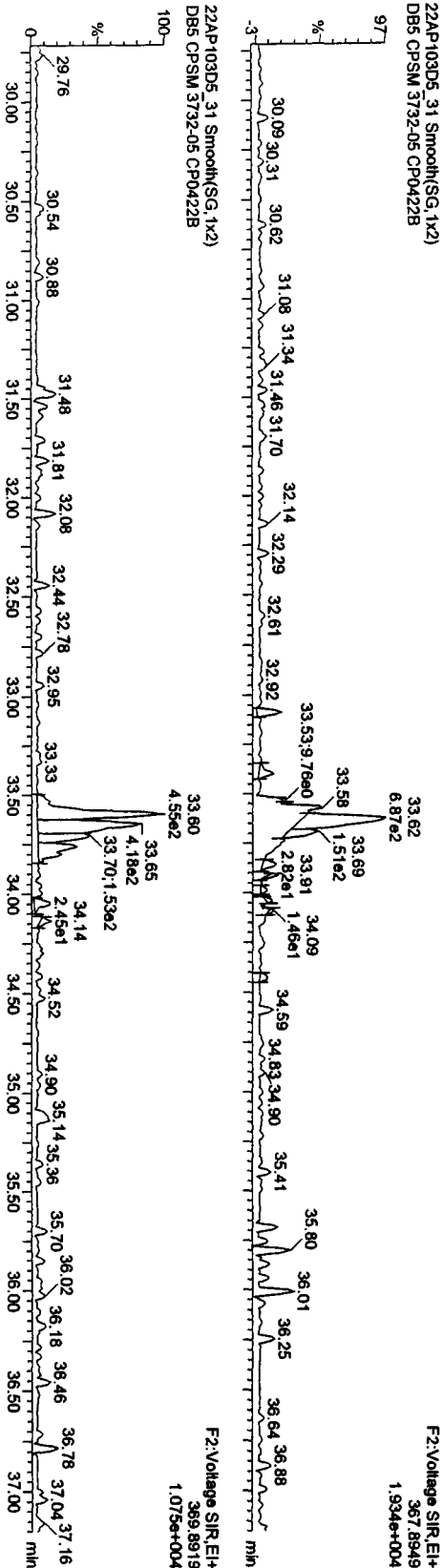
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

PeCDDs



13C-PeCDD

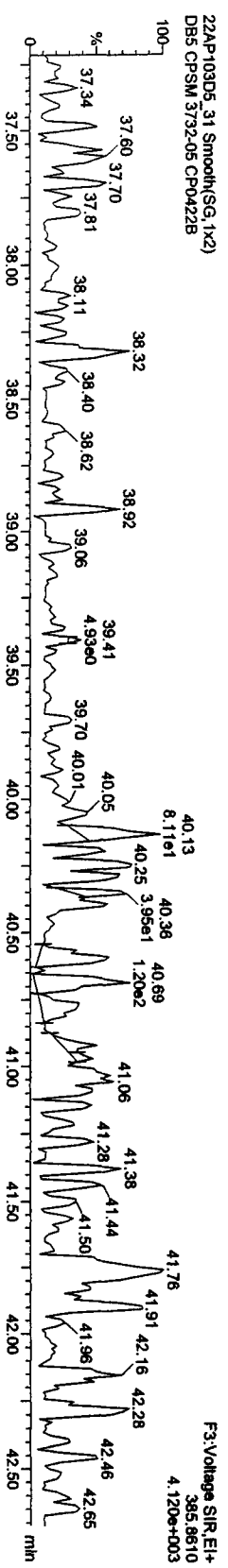
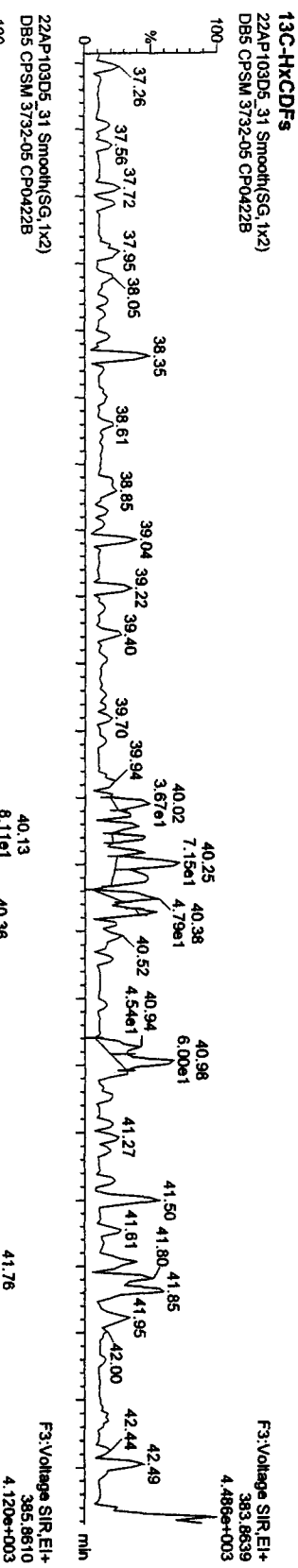
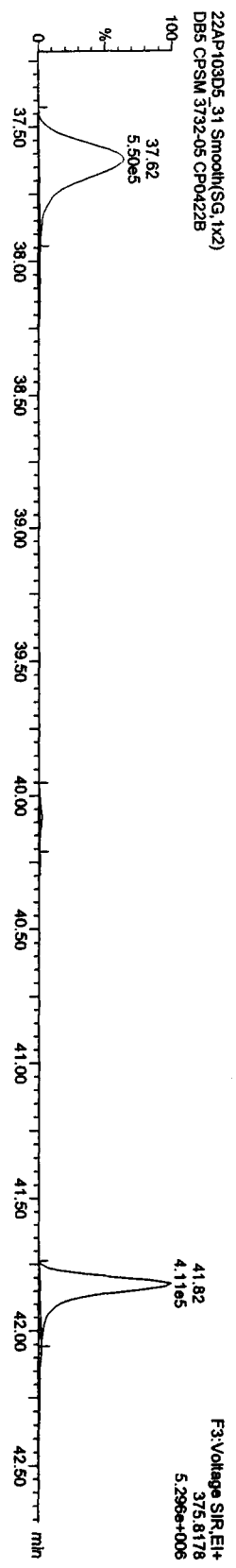


Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\UAN2010\PROV22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

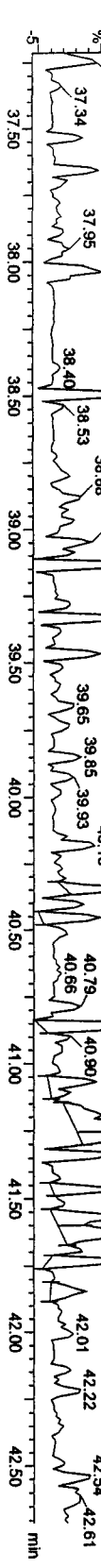
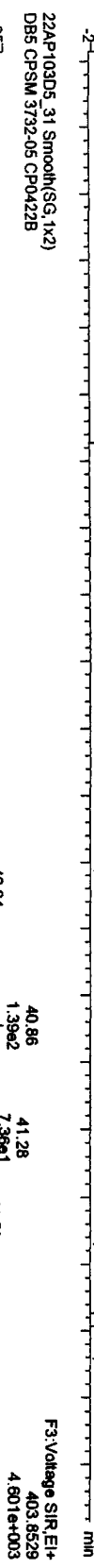


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\22AP103D568290C.qld

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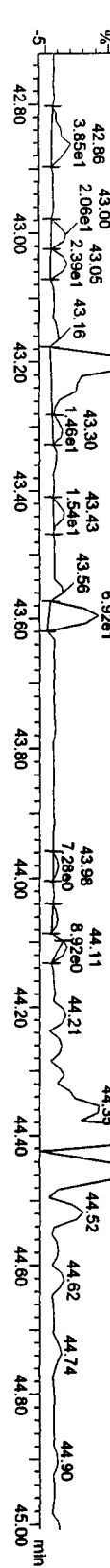
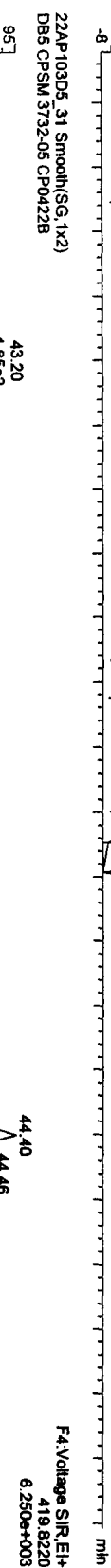
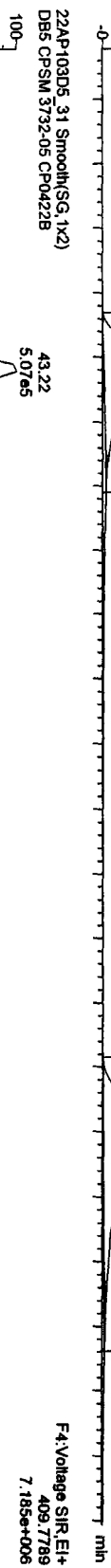
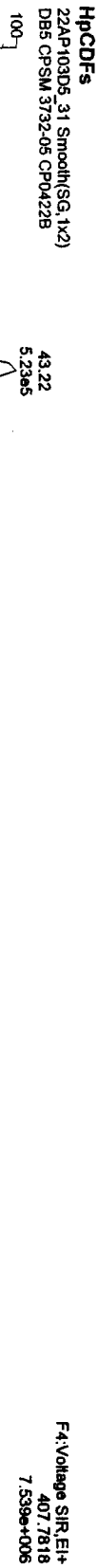
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Dataset: C:\MassLynx\JAN2010\PROV\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

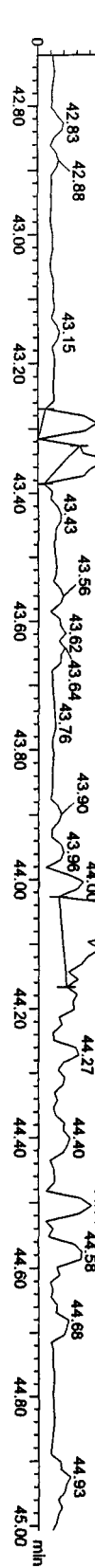
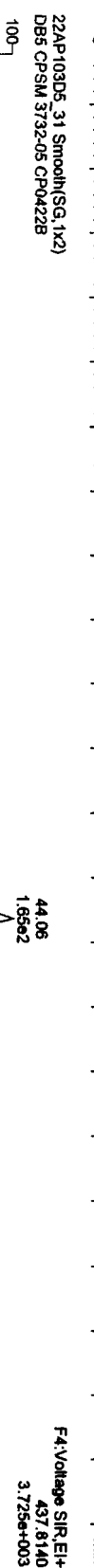
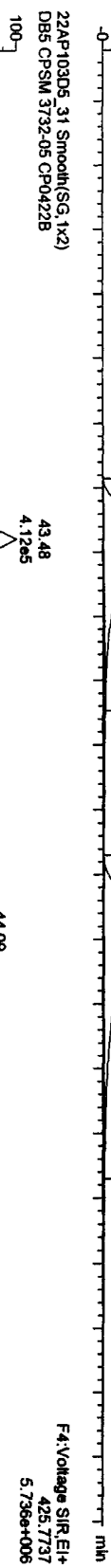


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CFSM 3732-05



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\ZAP103D58290C.qld

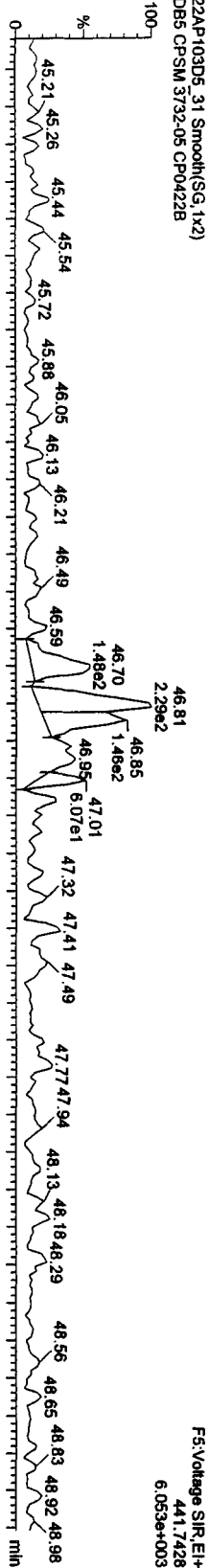
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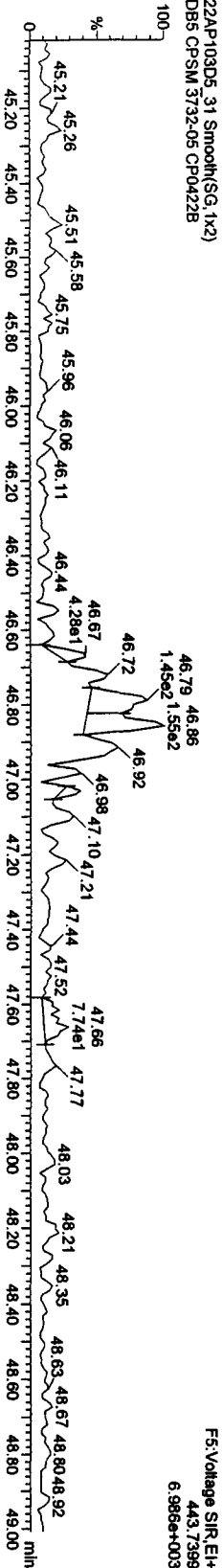
Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CP5M 3732-05

OCDFs

22AP103D5_31 Smooth(SG, 1x2)
DB5 CP5M 3732-05 CP0422B

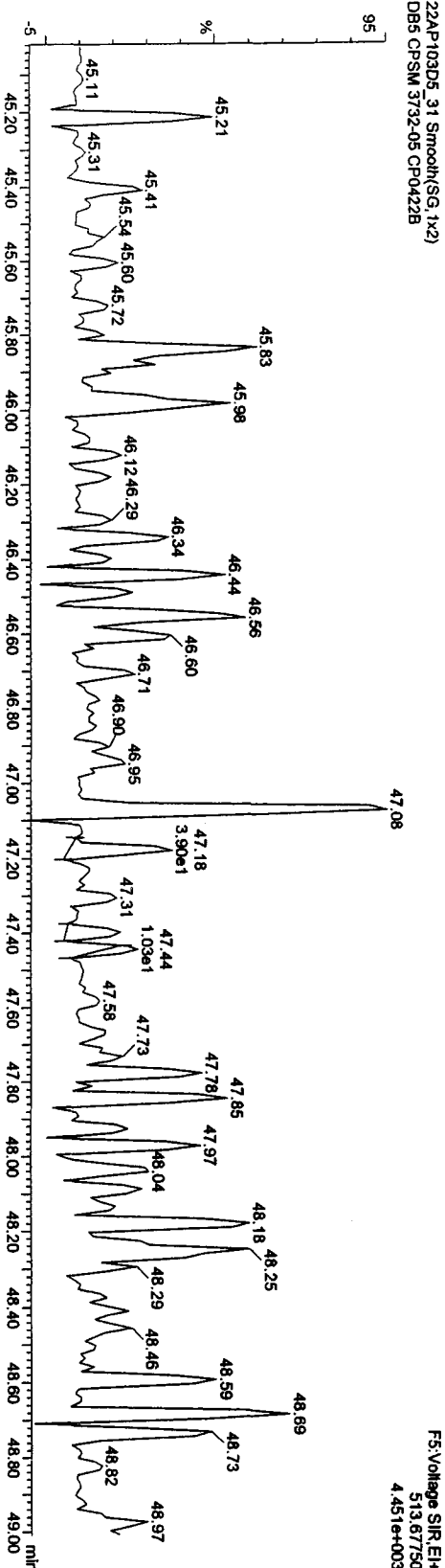


22AP103D5_31 Smooth(SG, 1x2)
DB5 CP5M 3732-05 CP0422B



OCDF PCDFE

22AP103D5_31 Smooth(SG, 1x2)
DB5 CP5M 3732-05 CP0422B



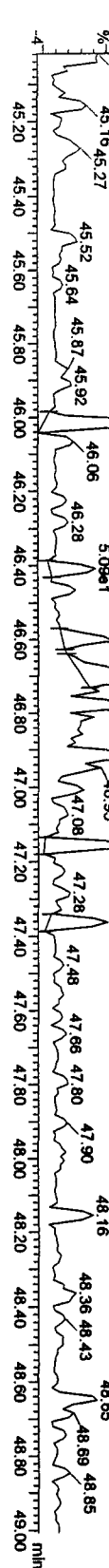
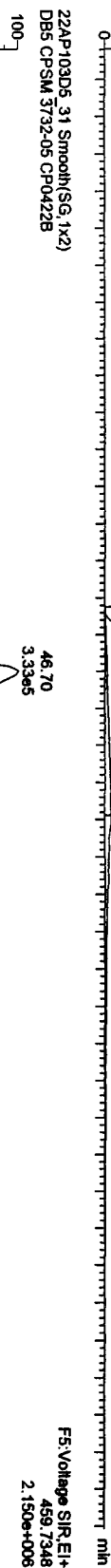
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\22AP103D56290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PROV\22AP103D58290C.qld

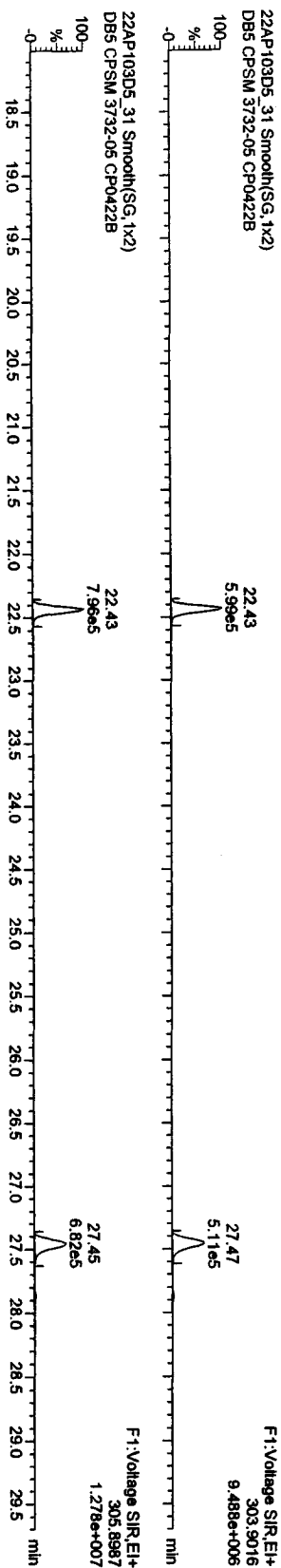
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

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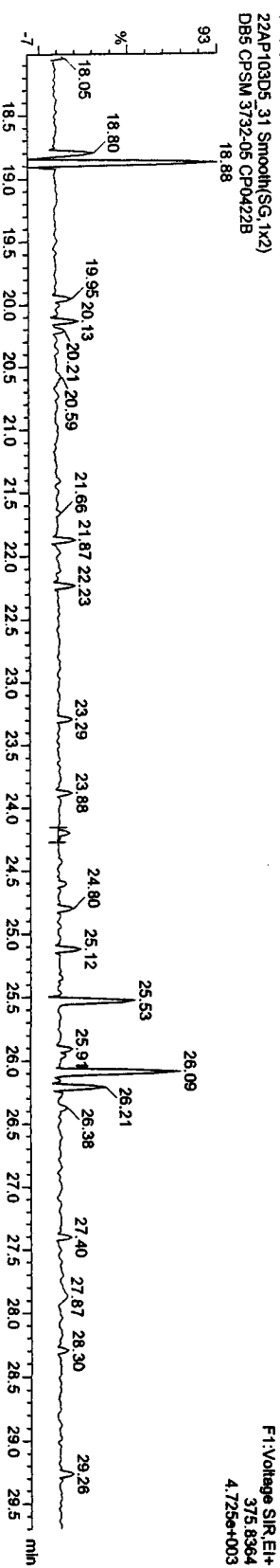
TCDFs

22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



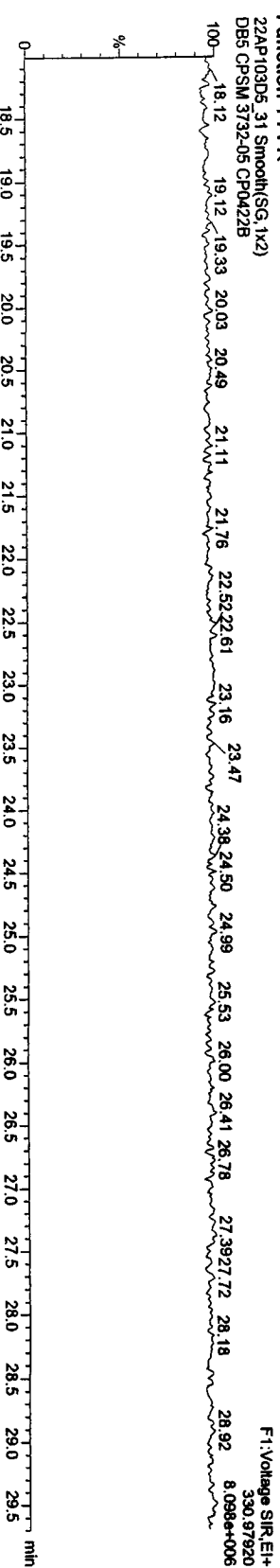
TCDF PCDDPE

22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



Function 1 PFK

22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B



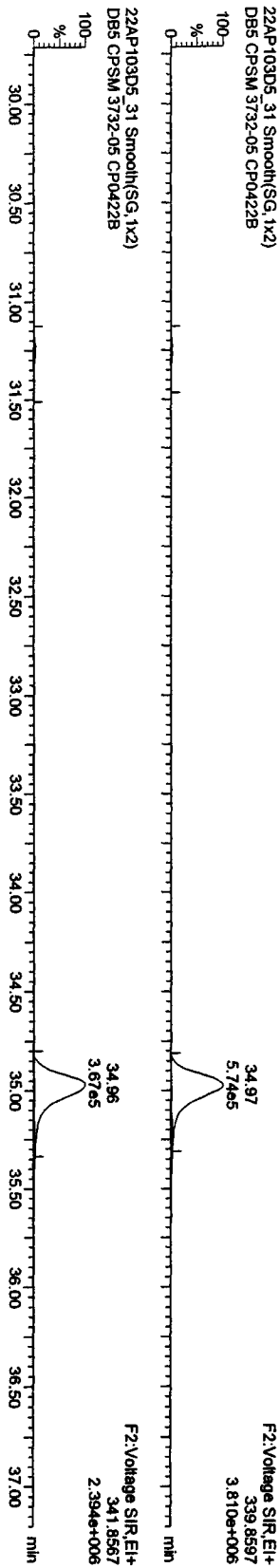
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UN2010\PROV\22AP103D58290C.qld

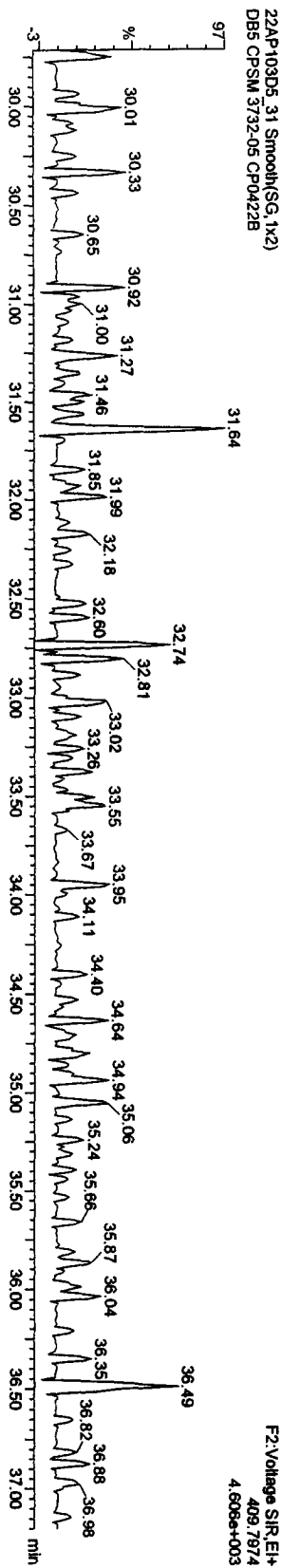
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

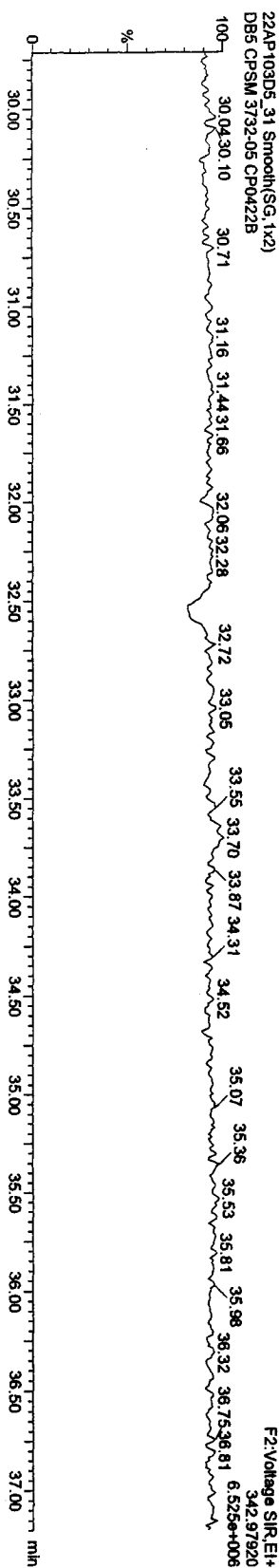
PcCDF



F2 PcCDF PCDFE



Function 2 PFK



Quantity Sample Report MassLynx 4.1

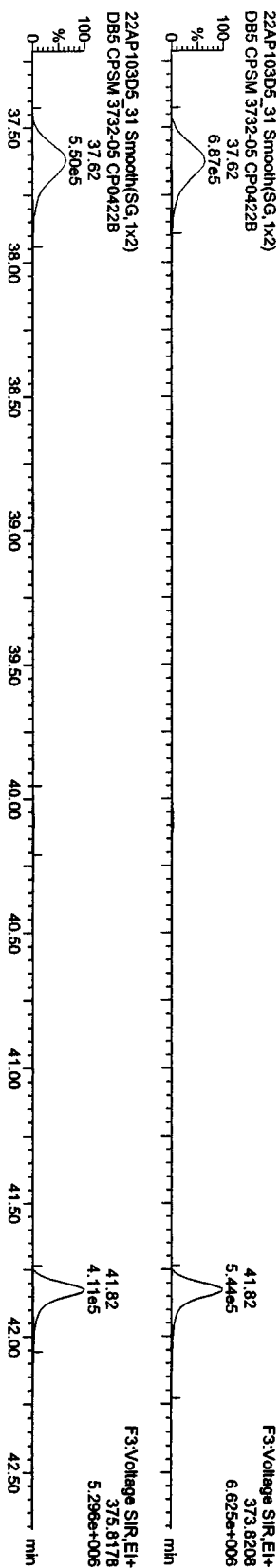
Dataset: C:\MassLynx\JAN2010.PROV\22AP103D568290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

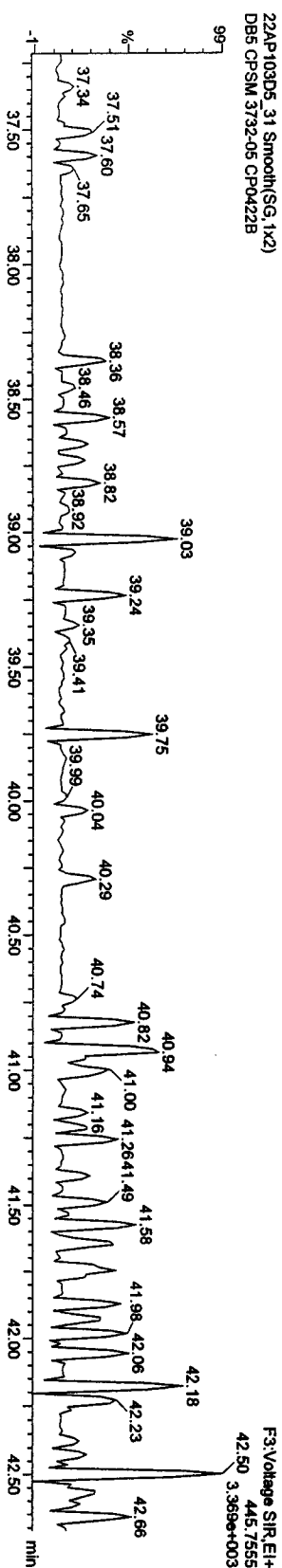
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

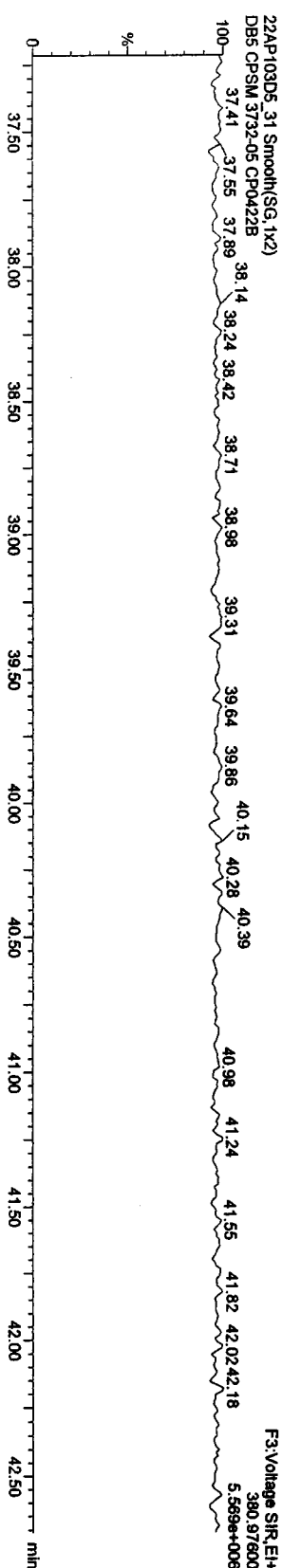
HxCDFs



HxCDF PCDFE



Function 3 FPK



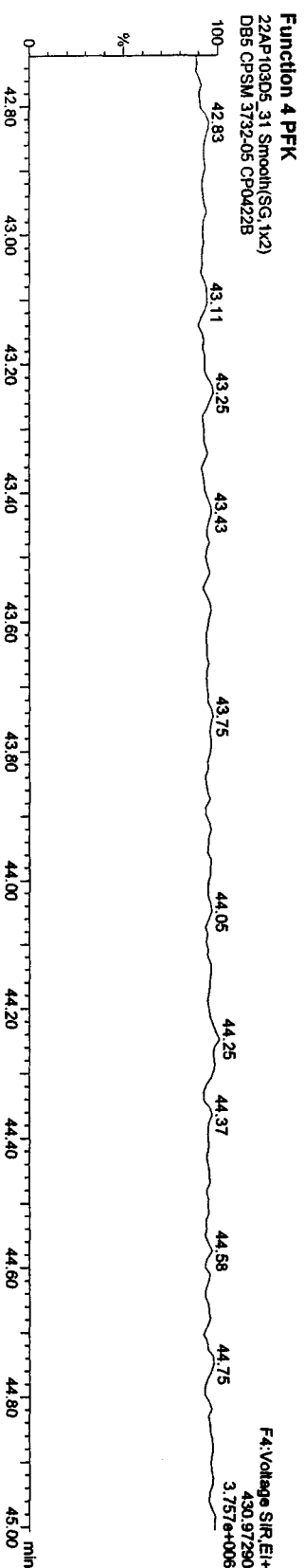
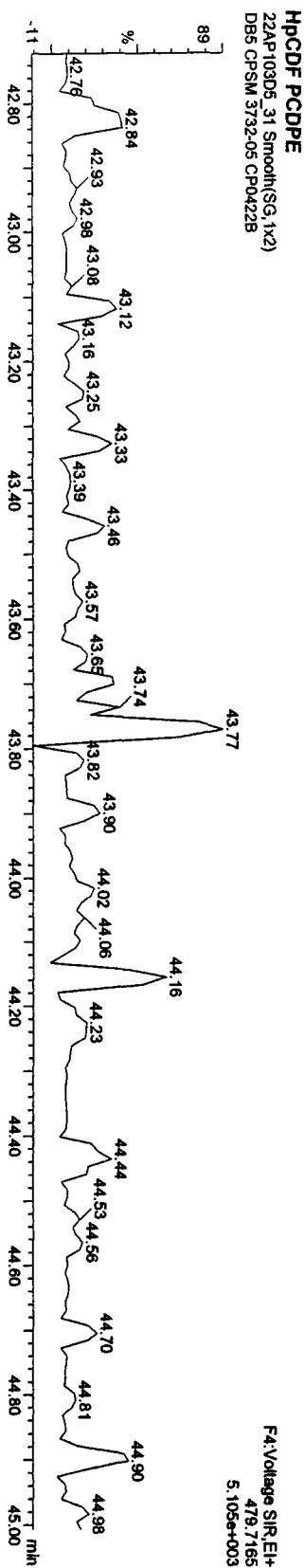
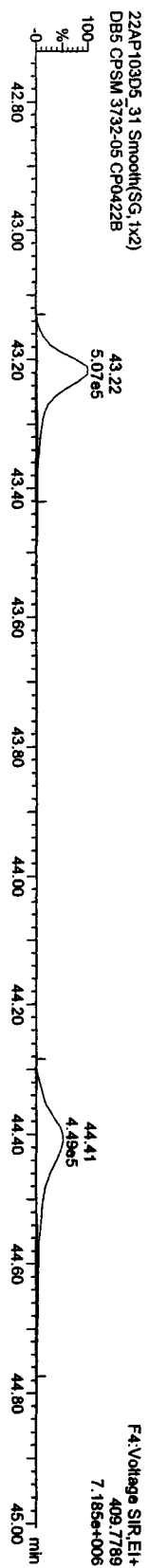
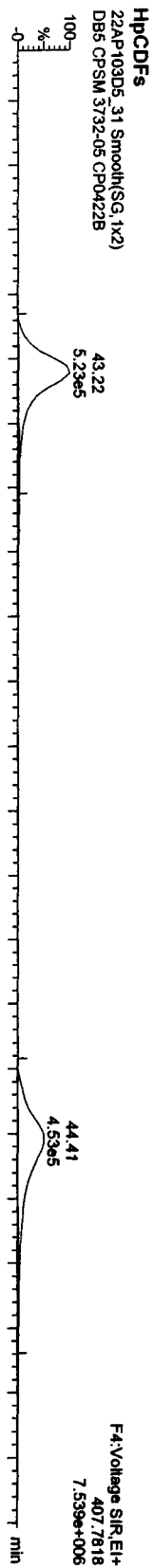
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\22AP103D56290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

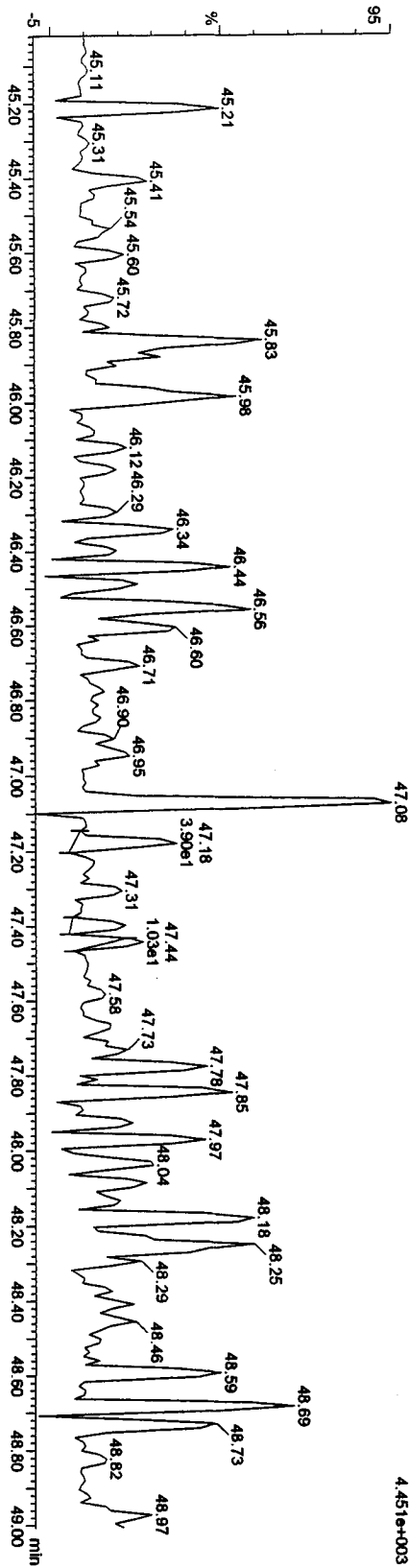
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Name: 22AP103D5_31, Date: 23-Apr-2010, Time: 12:46:39, ID: CP0422B, Description: DB5 CPSM 3732-05

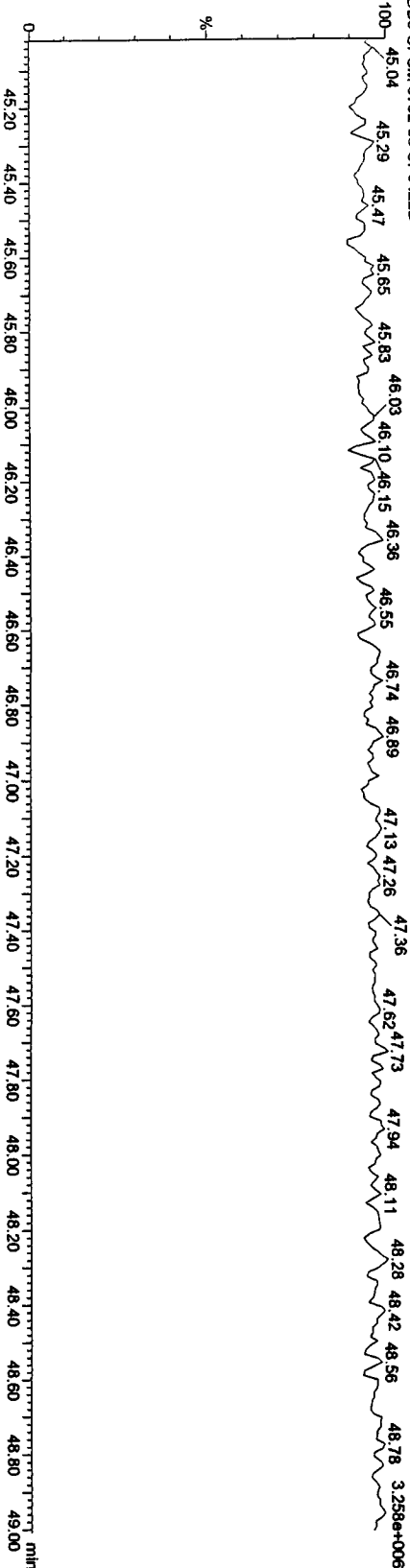
OCDF PCDDPE
22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B

FS:Voltage SIR.EI+
513.67750
4.451e+003



Function 5 PFK
22AP103D5_31 Smooth(SG,1x2)
DB5 CPSM 3732-05 CP0422B

FS:Voltage SIR.EI+
442.97280
3.258e+006



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010.PROV\22AP103D58290C.qid

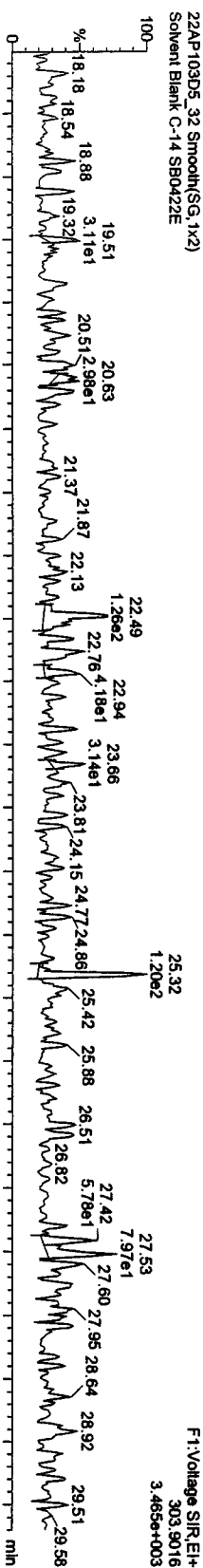
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

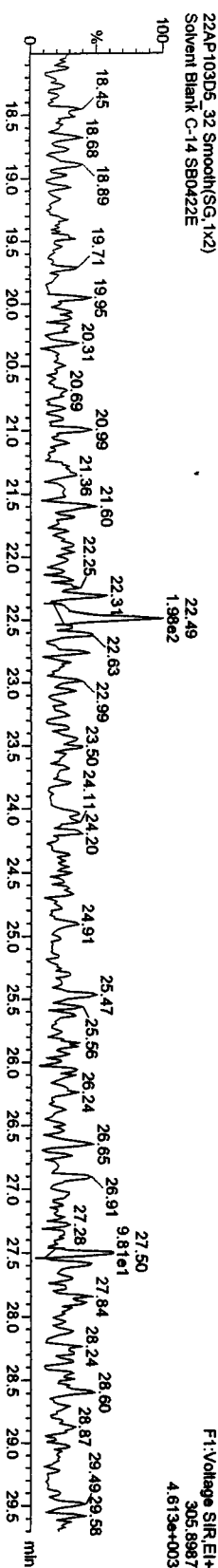
Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

TCDFs

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

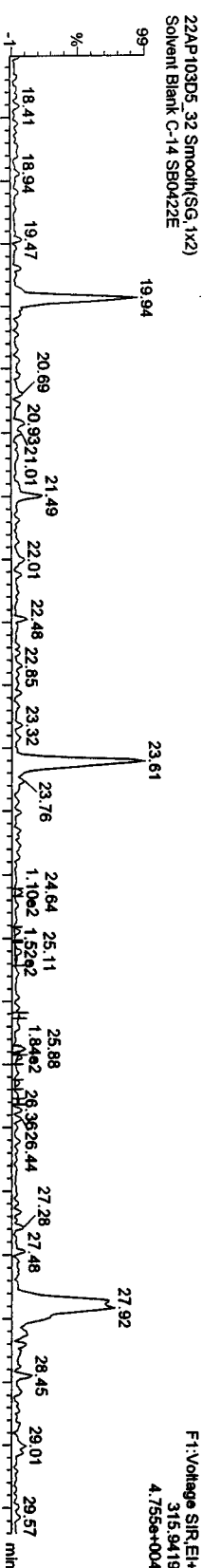


22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

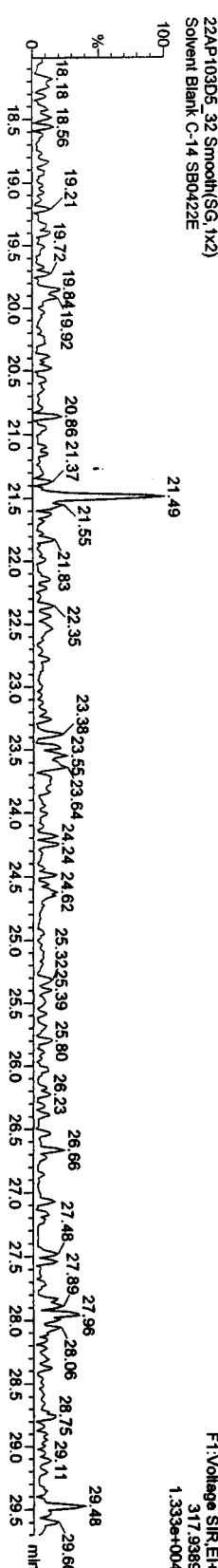


13C-TCDF

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



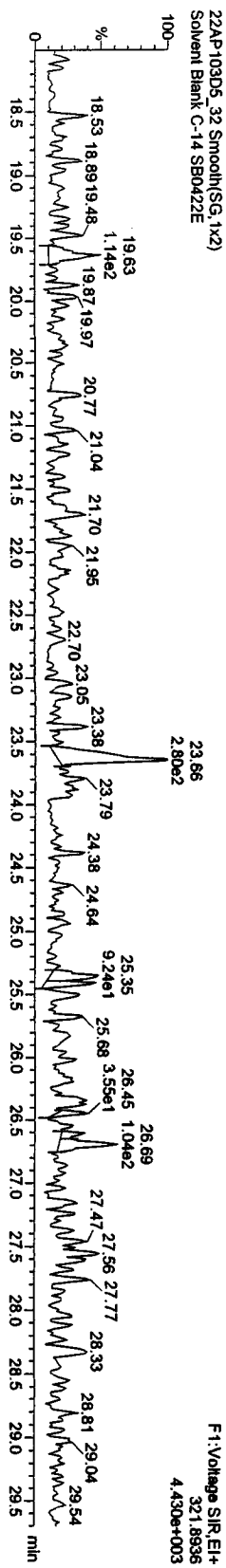
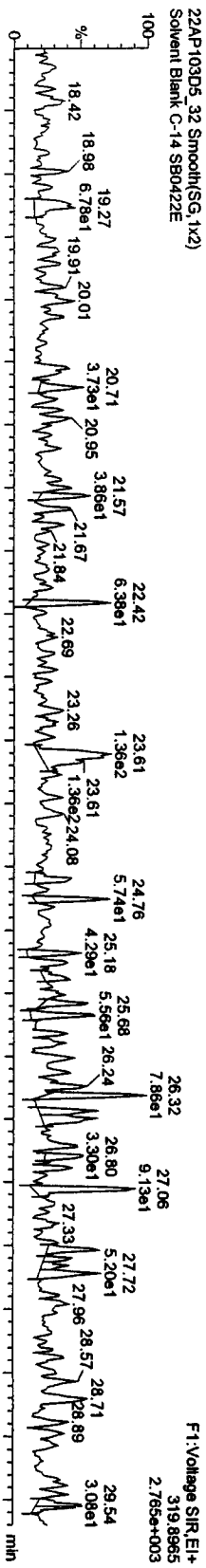
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PRO122AP103D58290C.qld

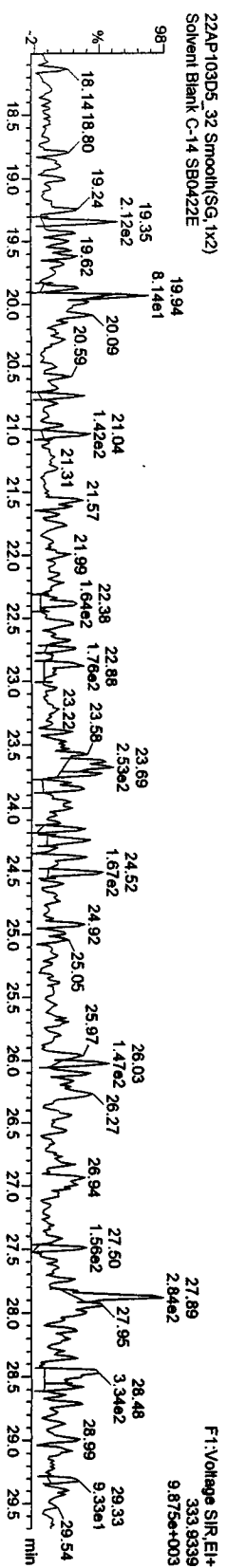
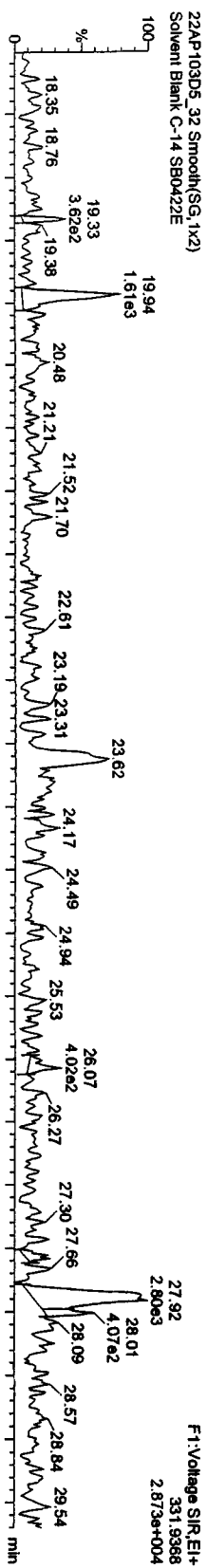
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
 Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

TCDDs



13C-TCDDs



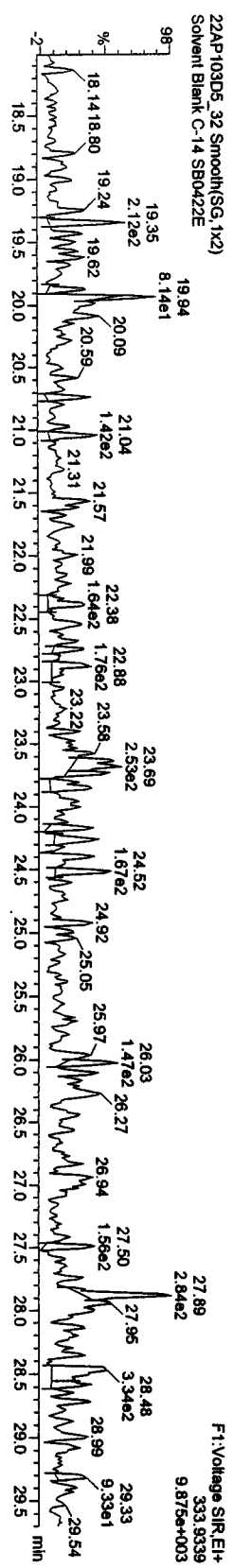
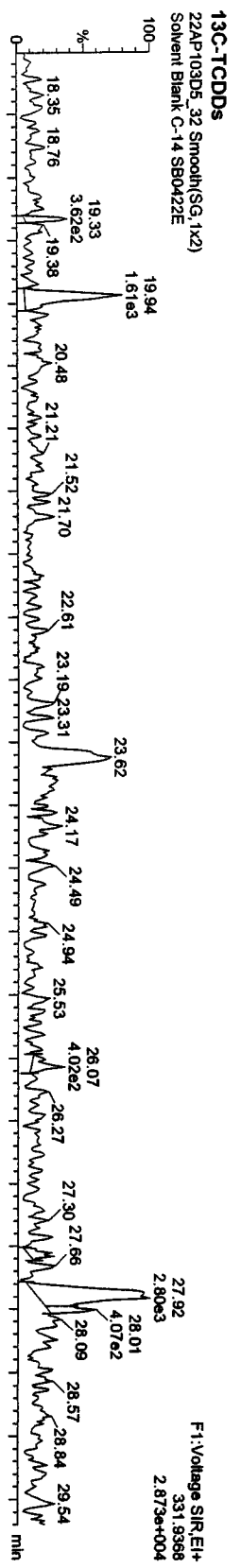
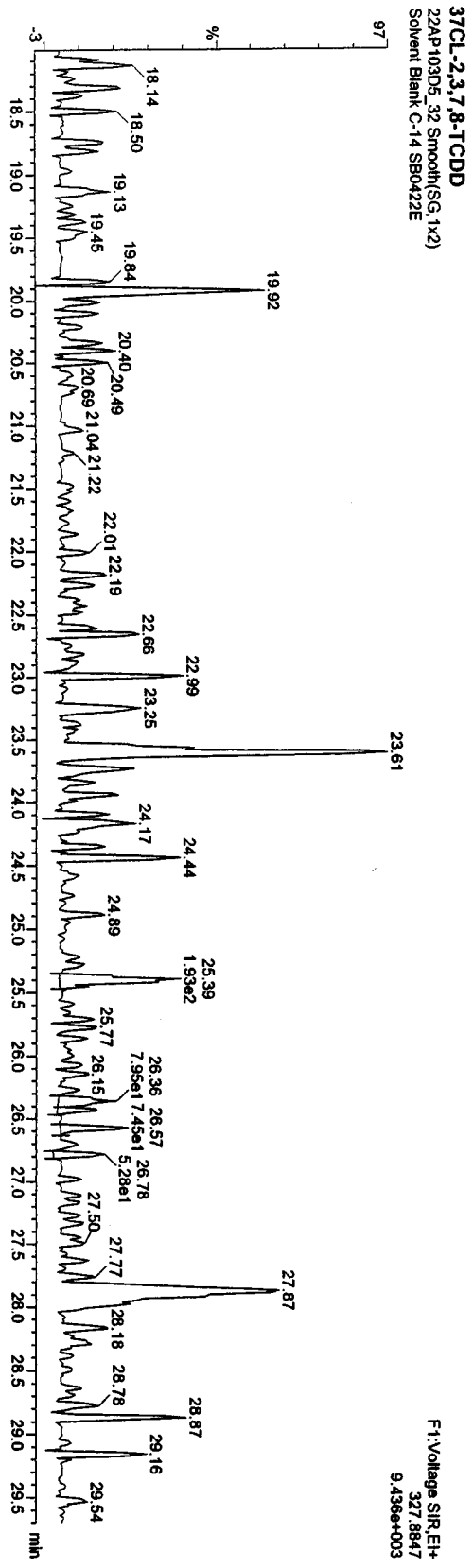
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JUAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

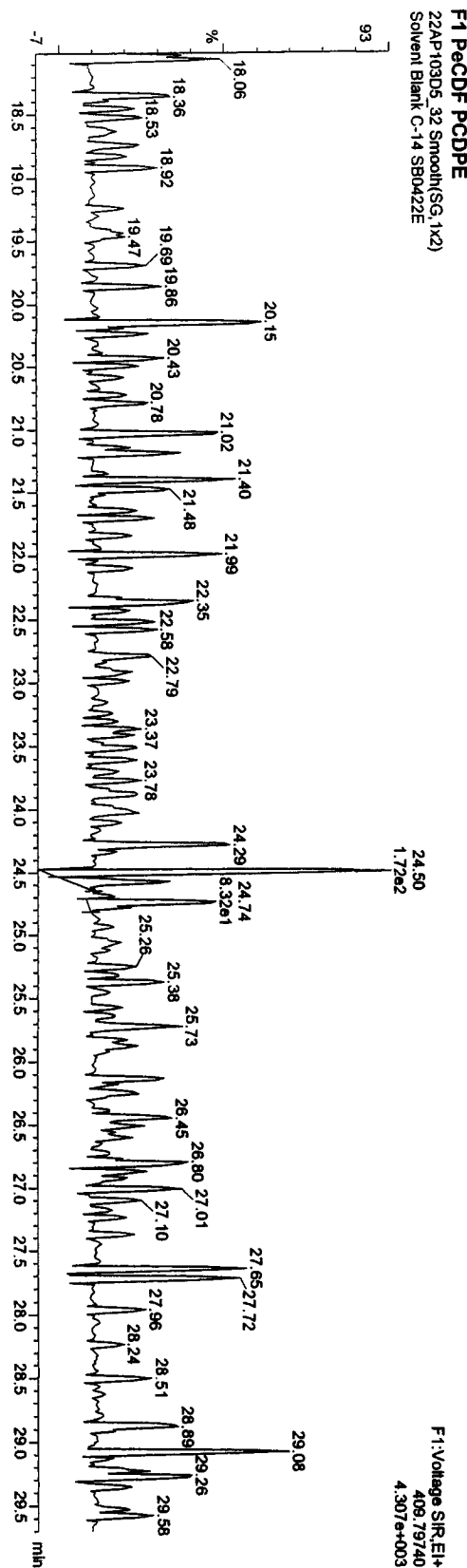
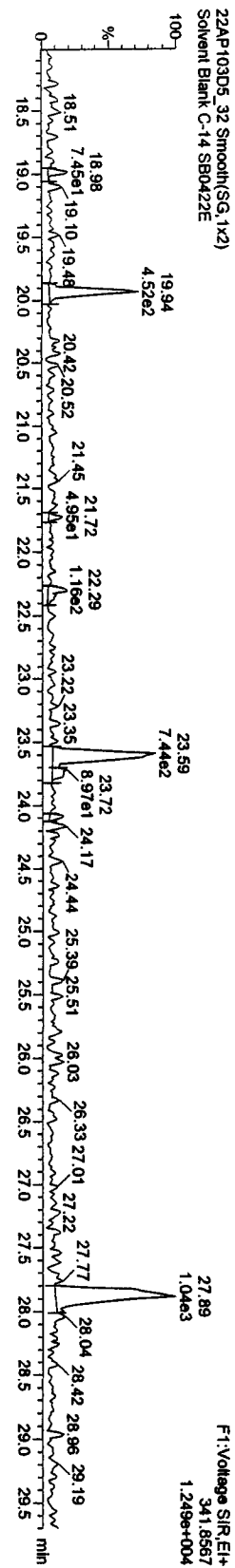
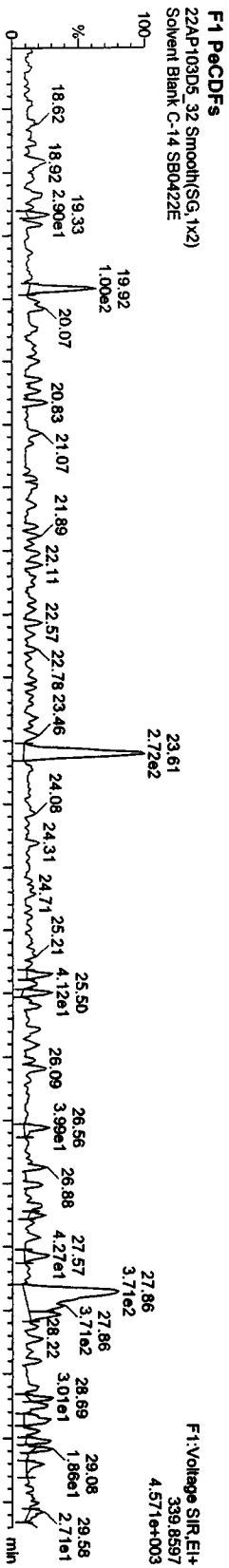
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Dataset: C:\Masslynx\JAN2010\PROV\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

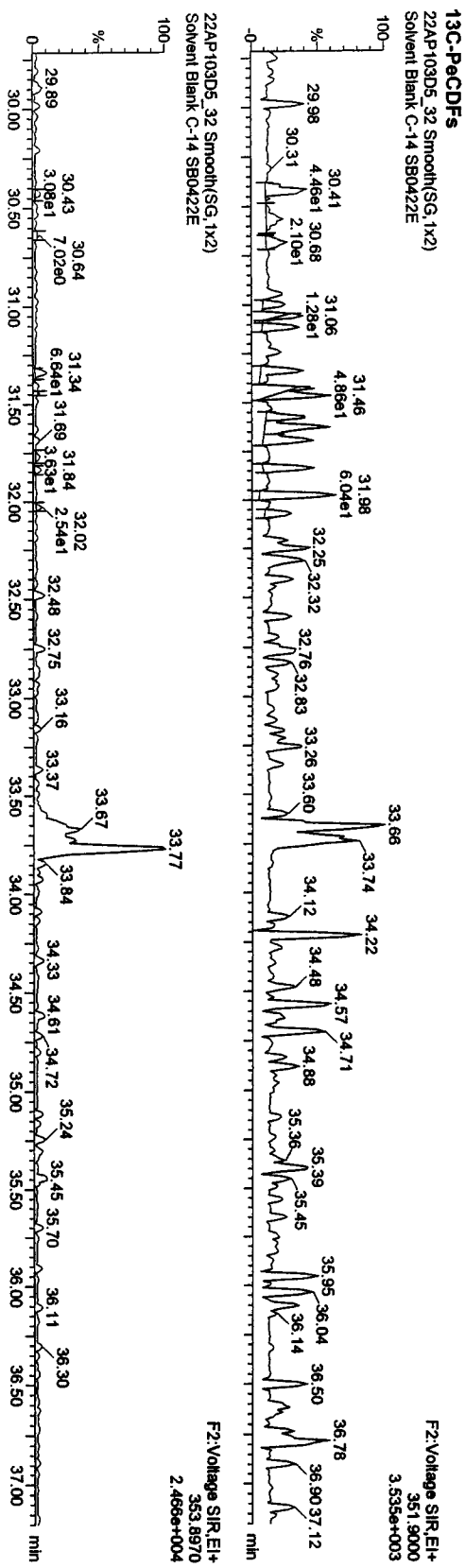
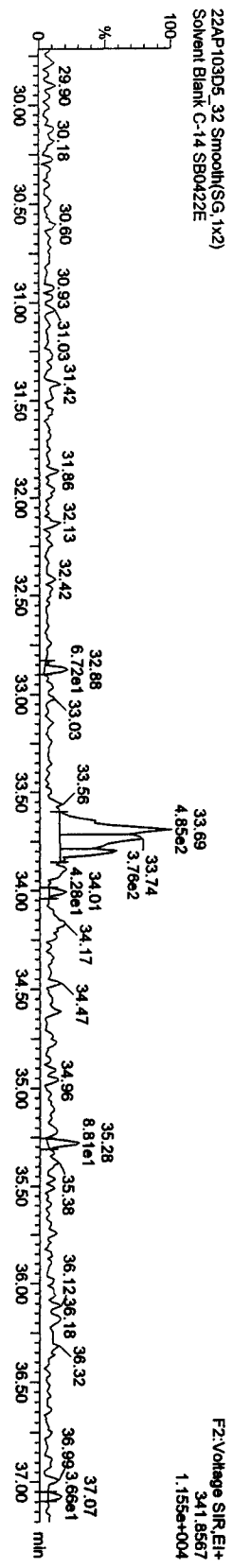
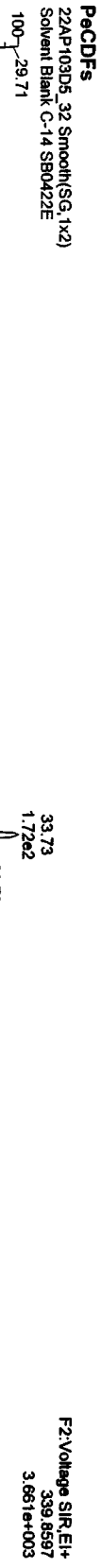


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\22AP103D56290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14



Quantity Sample Report MassLynx 4.1

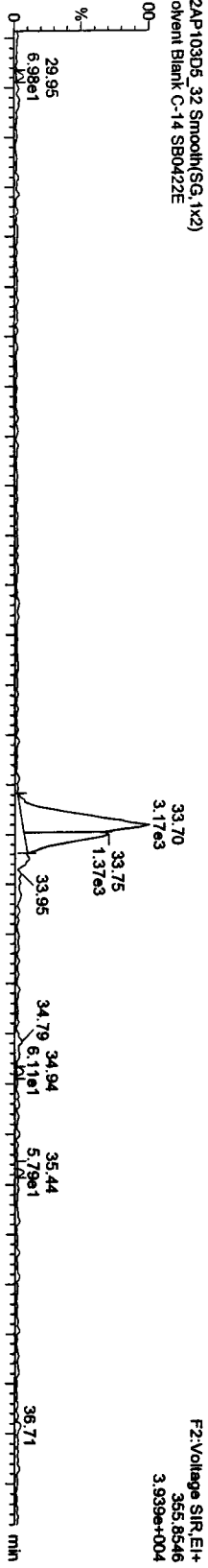
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

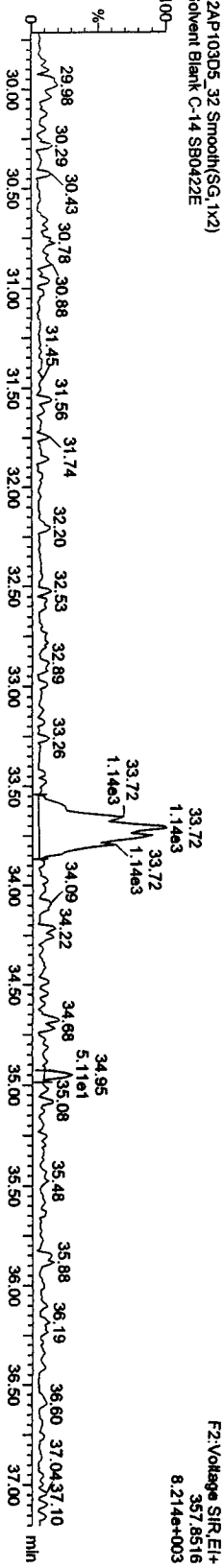
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PcCDDs

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

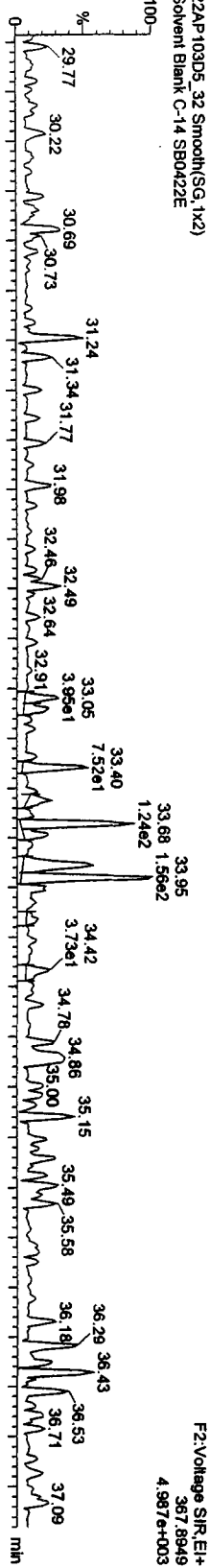


22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

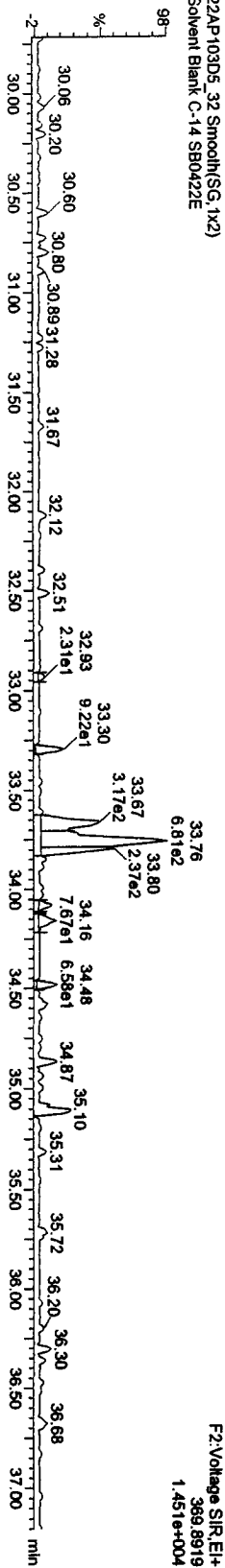


13C-PeCDD

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



Quantity Sample Report MassLynx 4.1

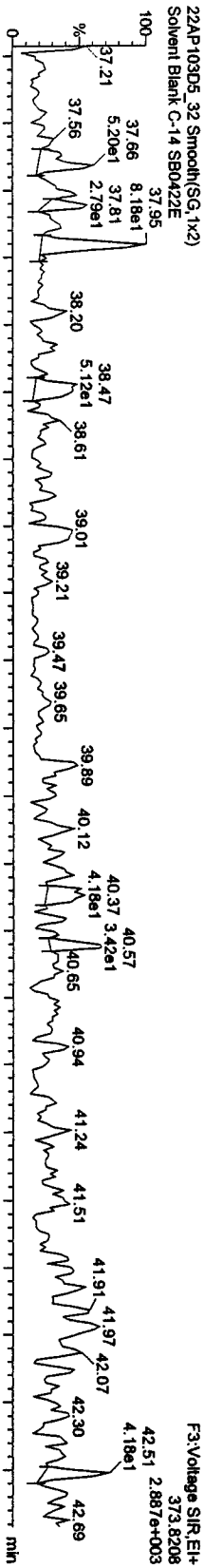
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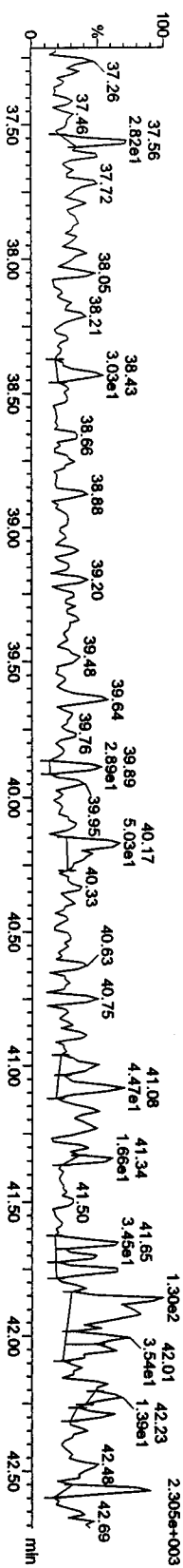
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

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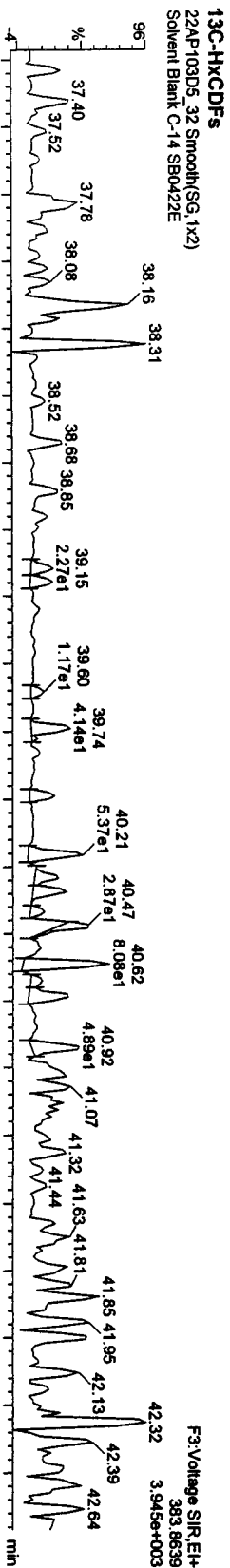
HxCDFs



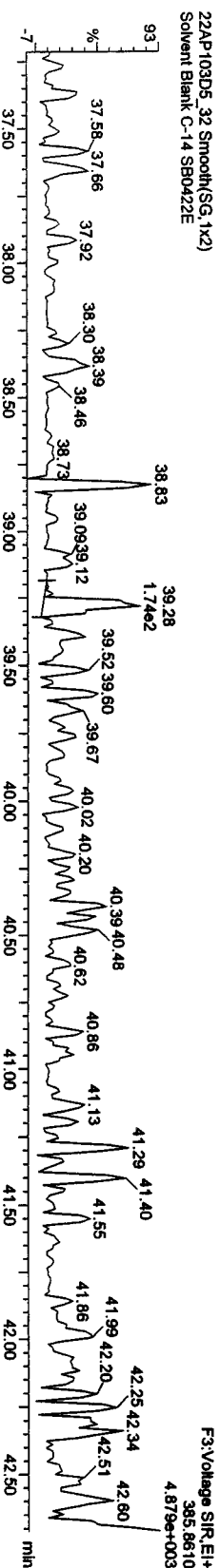
22AP103D5_32 Smooth(SG,1x2)
Solvent Blank C-14 SB0422E



22AP103D5_32 Smooth(SG,1x2)
Solvent Blank C-14 SB0422E



22AP103D5_32 Smooth(SG,1x2)
Solvent Blank C-14 SB0422E



22AP103D5_32 Smooth(SG,1x2)
Solvent Blank C-14 SB0422E

Quantity Sample Report MassLynx 4.1

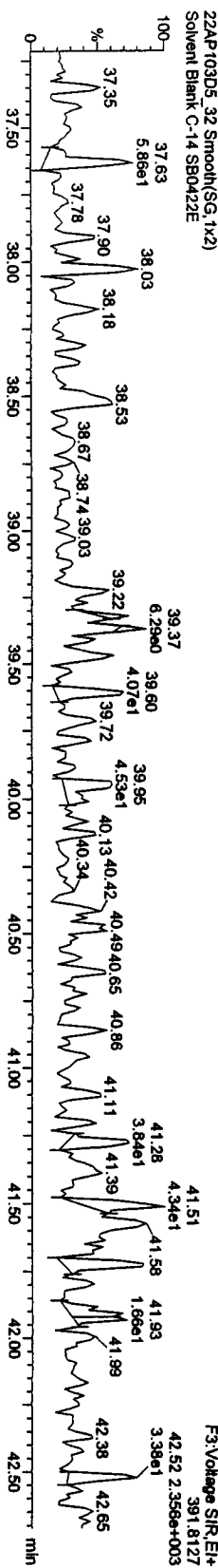
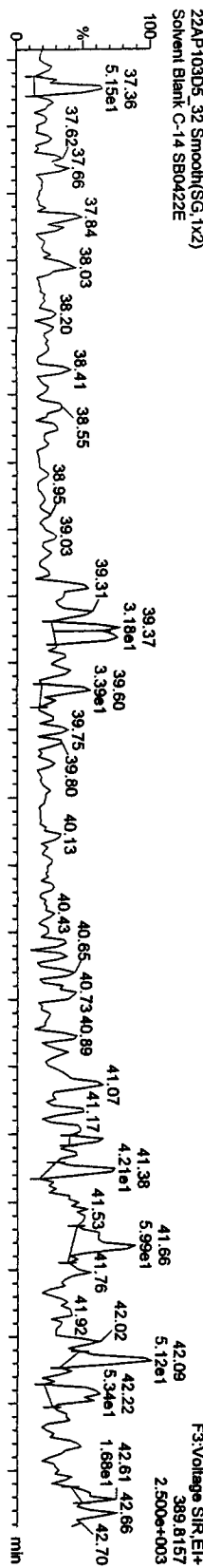
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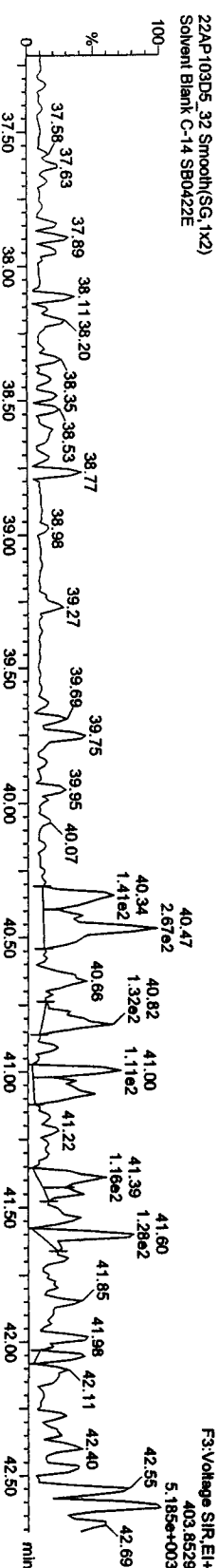
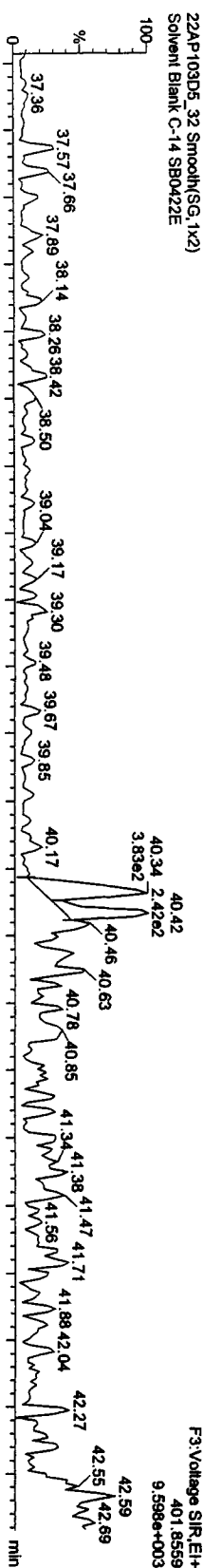
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

HxCDDs



13C-HxCDDs



Quantity Sample Report Masslynx 4.1

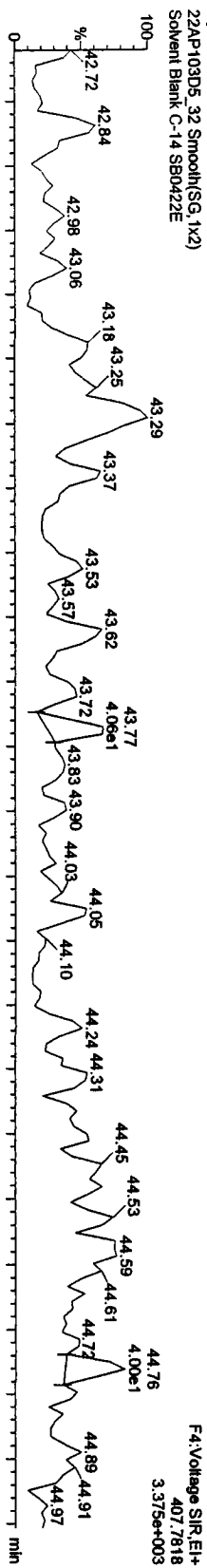
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

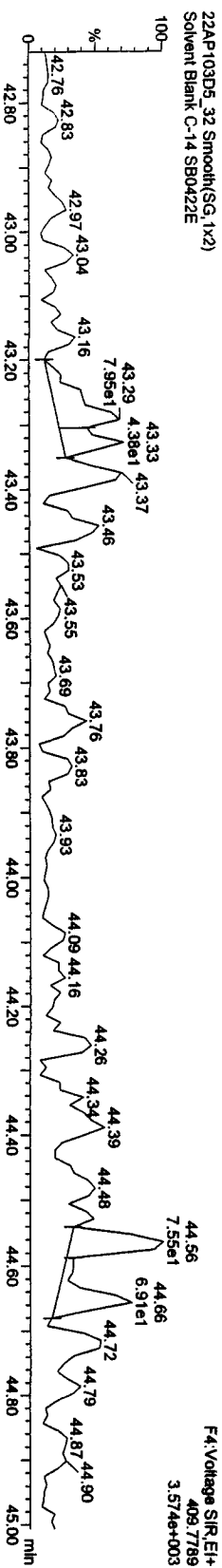
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HPCDFs

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

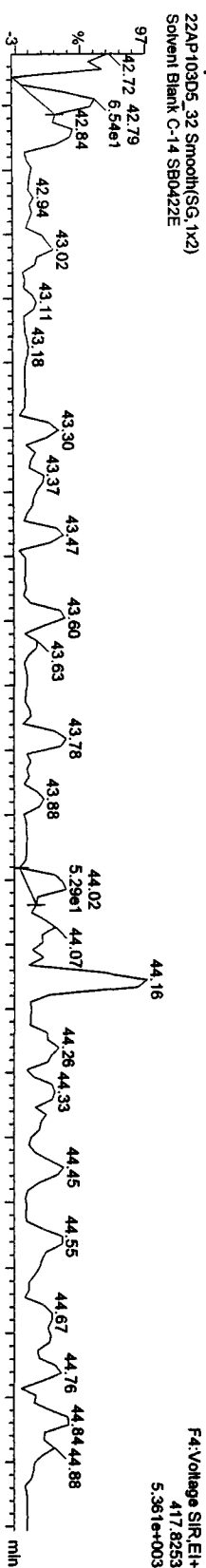


22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

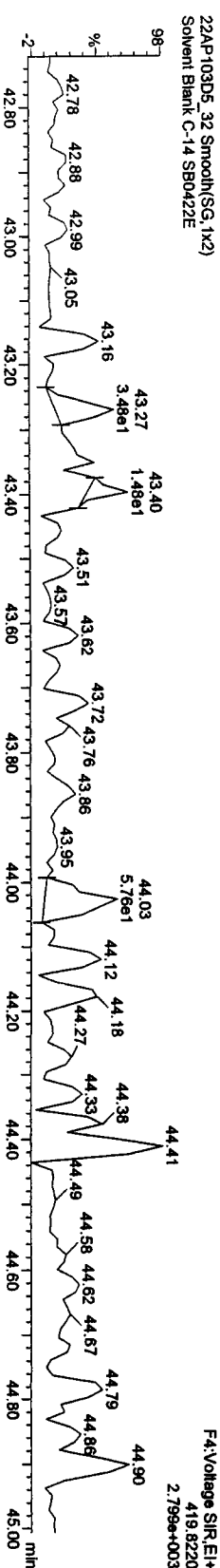


13C-HPCDFs

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

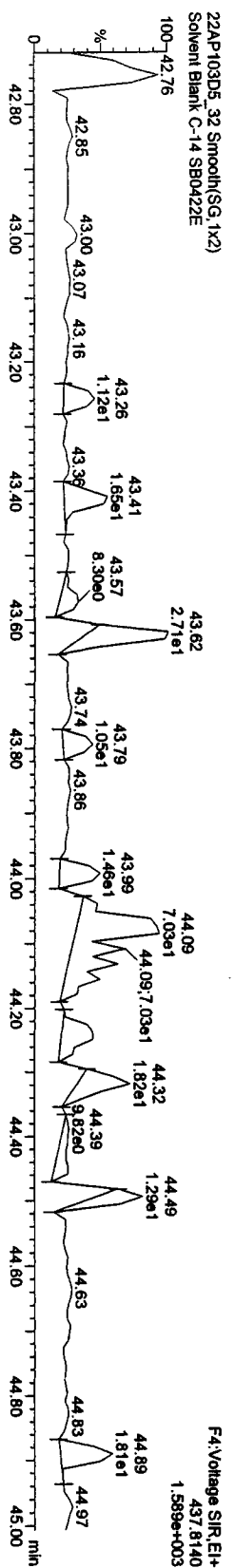
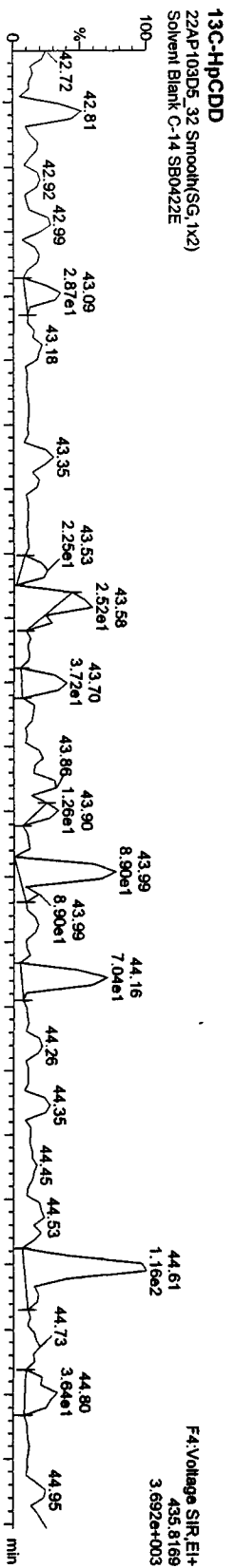
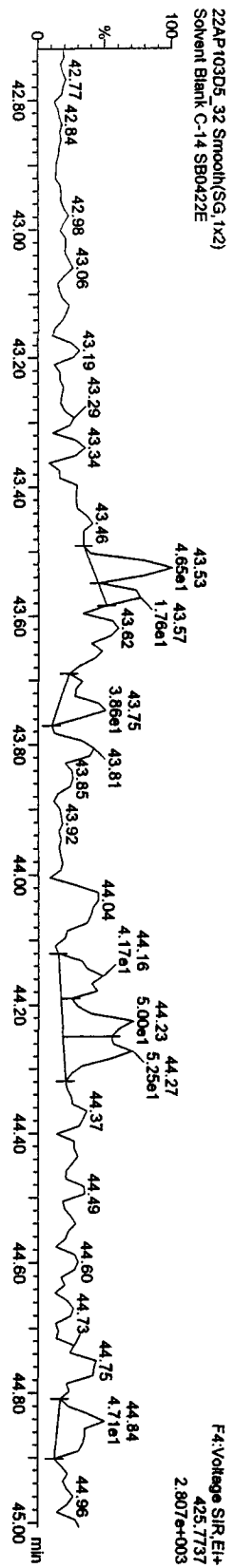
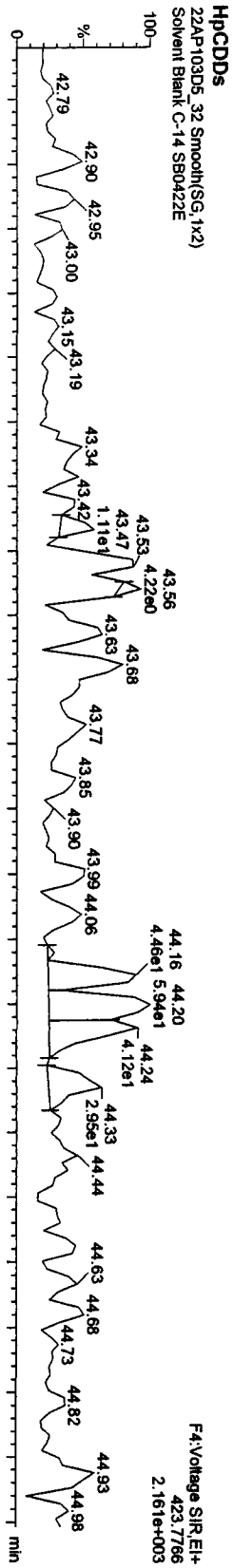


Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\UNAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14



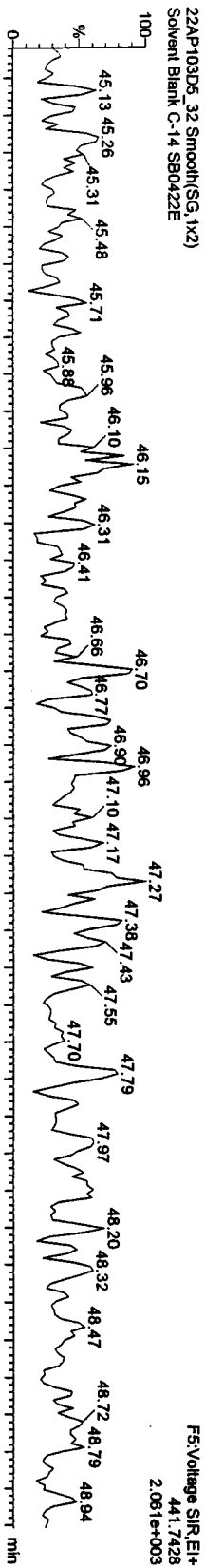
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROV\22AP103D58290C.qld

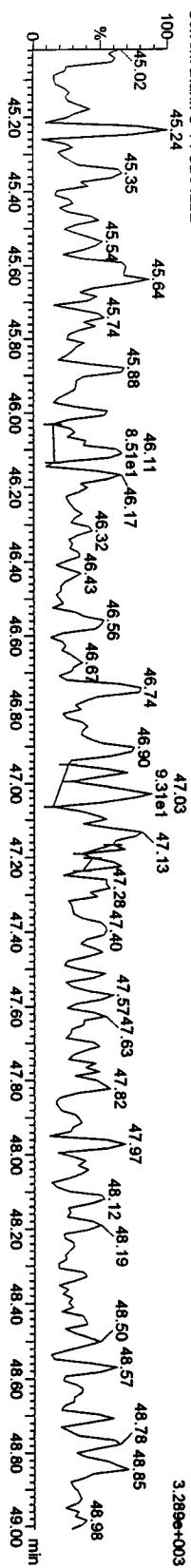
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

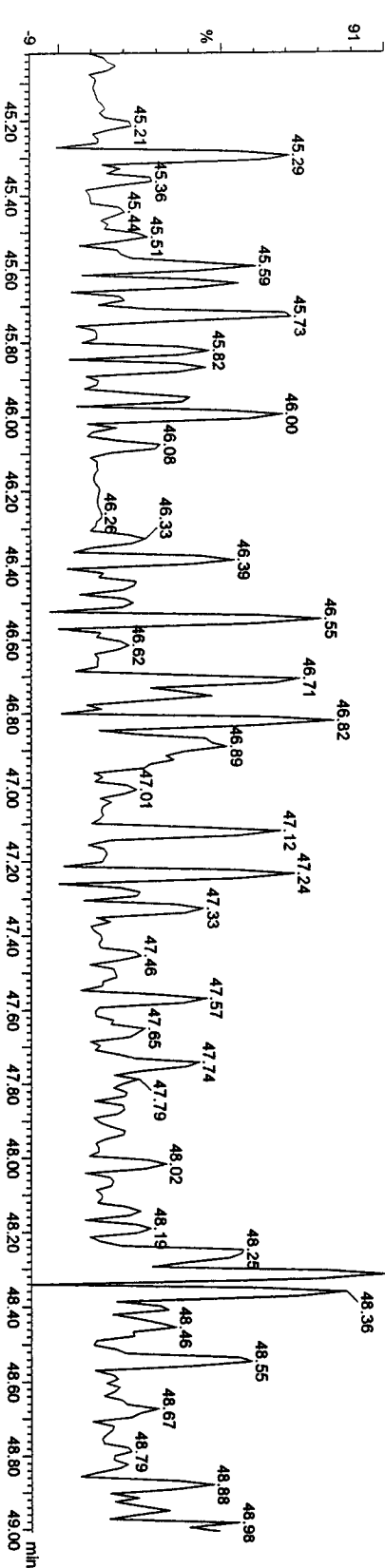
OCDFs
22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



OCDFs
22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



OCDFs
22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



Quantity Sample Report MassLynx 4.1

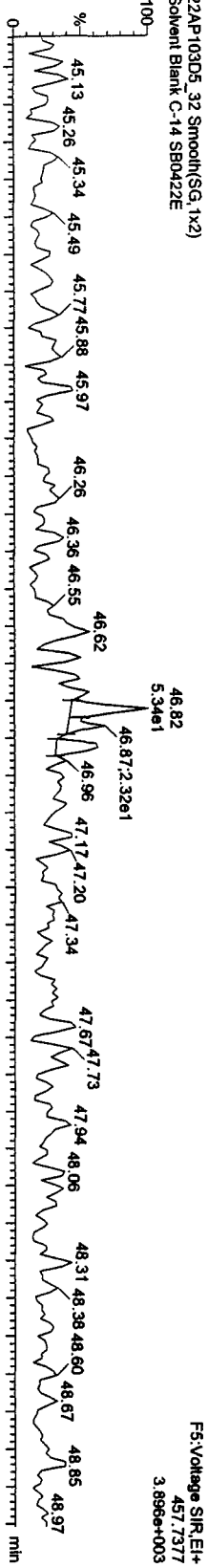
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Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

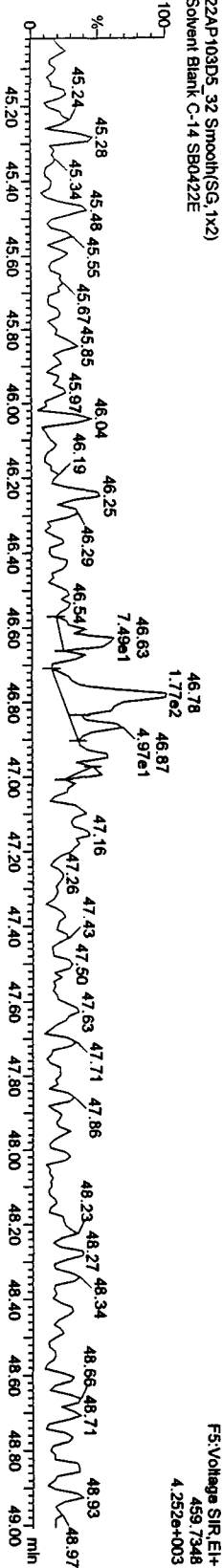
Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

OCDD

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

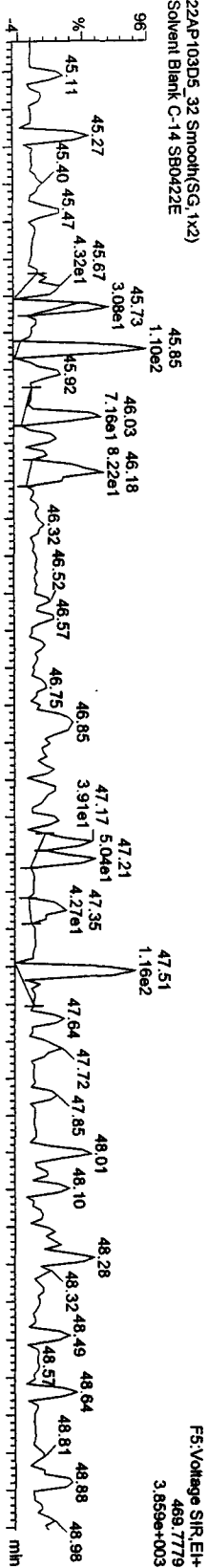


22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E

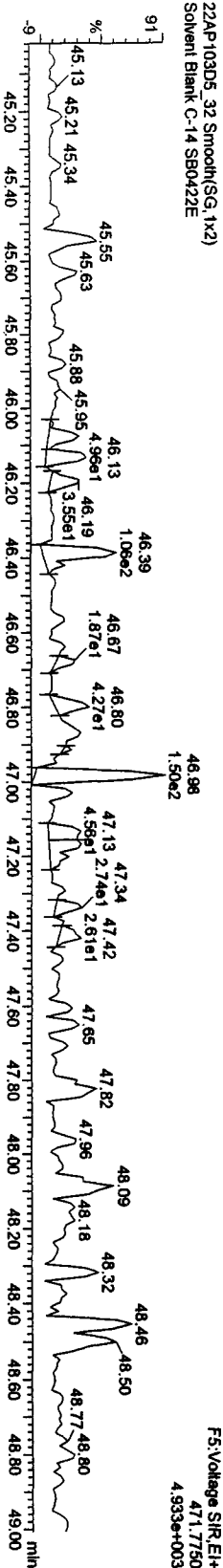


13C-OCDD

22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



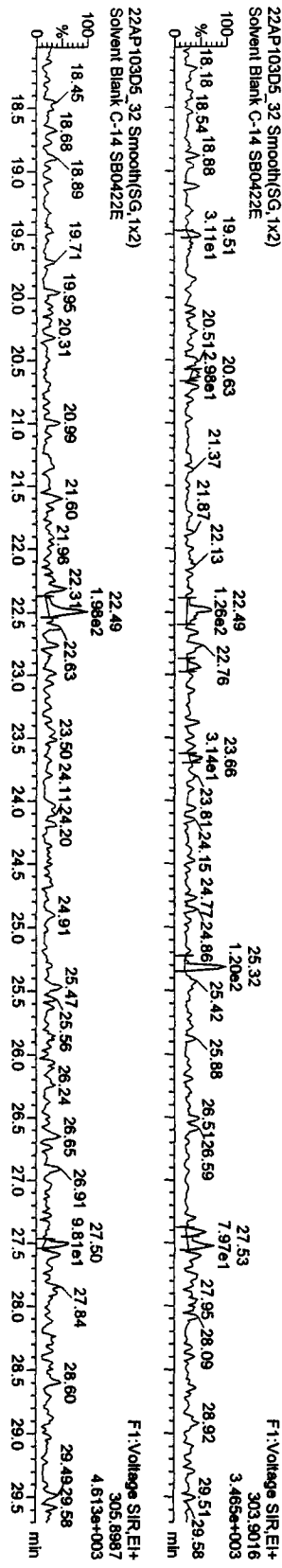
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UNAN2010\PROV\22AP103D58290C.qld

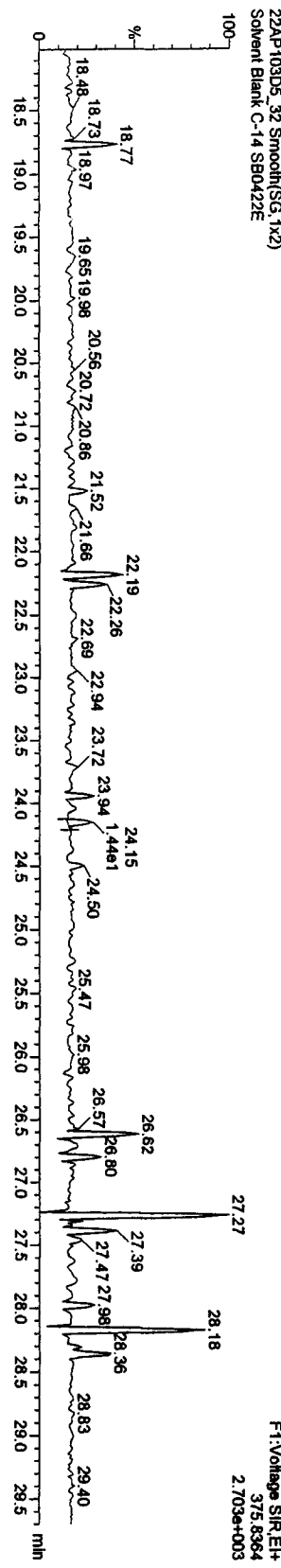
Last Allered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

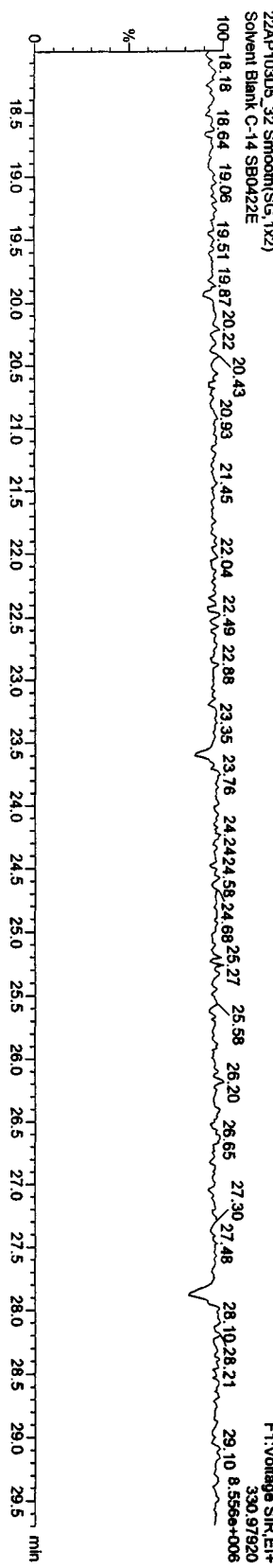
TCDFs



TCDF PCDFE



Function 1 PFK



Quantity Sample Report MassLynx 4.1

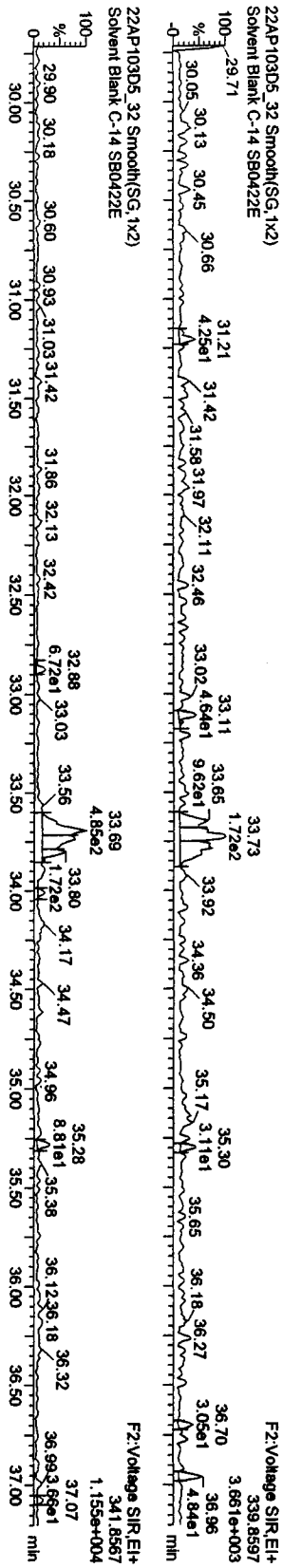
Dataset: C:\MassLynx\UNAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
 Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

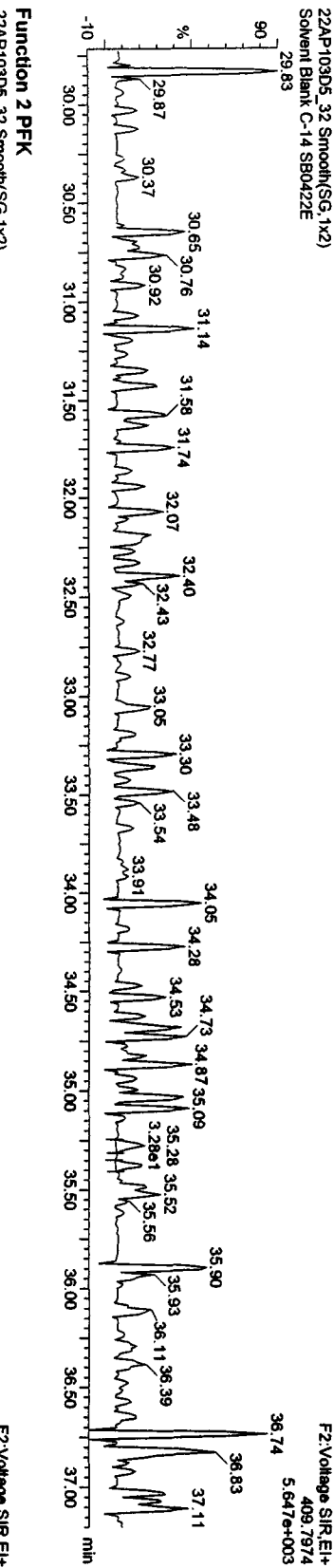
PcCDF

22AP103D5_32 Smooth(SG,1x2)
 Solvent Blank C-14 SB0422E



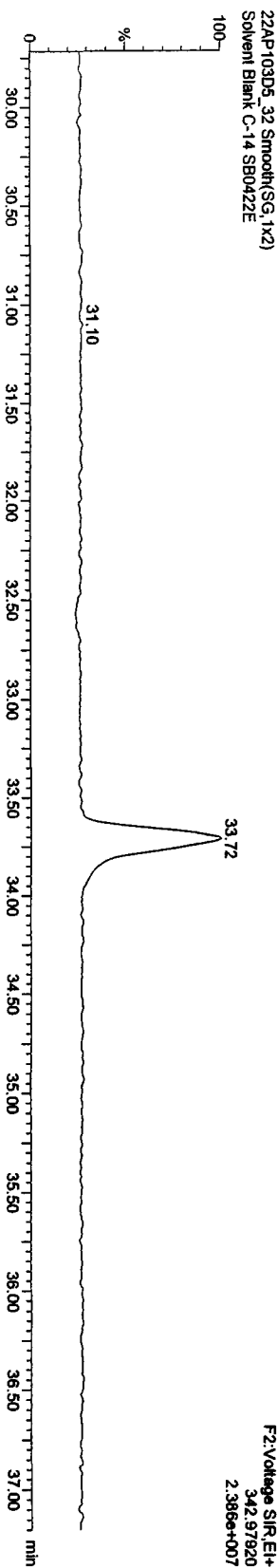
F2 PcCDF PCDFE

22AP103D5_32 Smooth(SG,1x2)
 Solvent Blank C-14 SB0422E



Function 2 PFK

22AP103D5_32 Smooth(SG,1x2)
 Solvent Blank C-14 SB0422E



Quantity Sample Report Masslynx 4.1

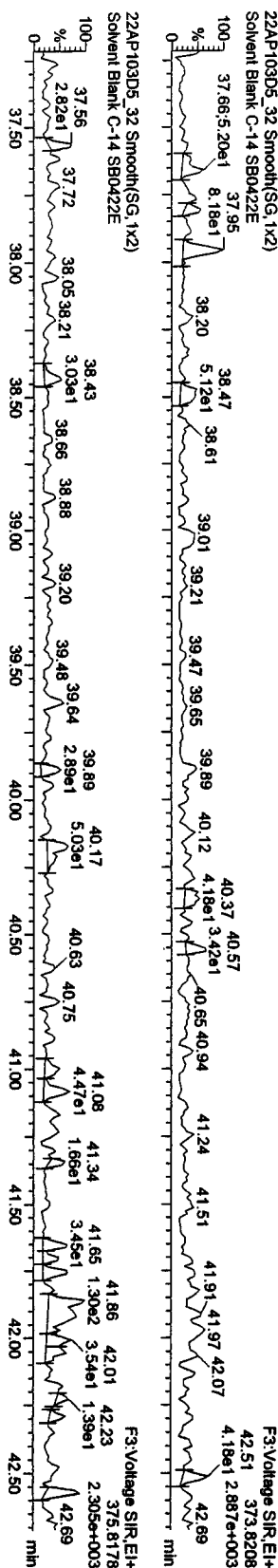
Dataset: C:\MassLynx\UN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

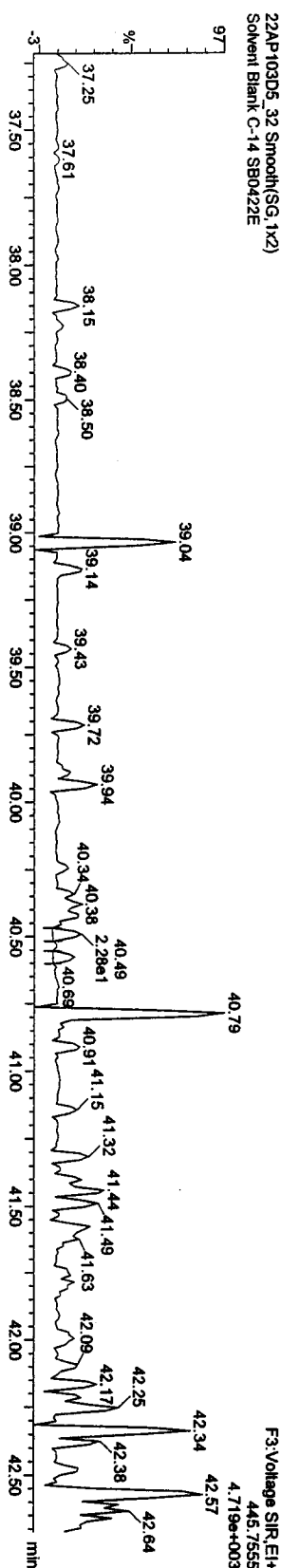
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

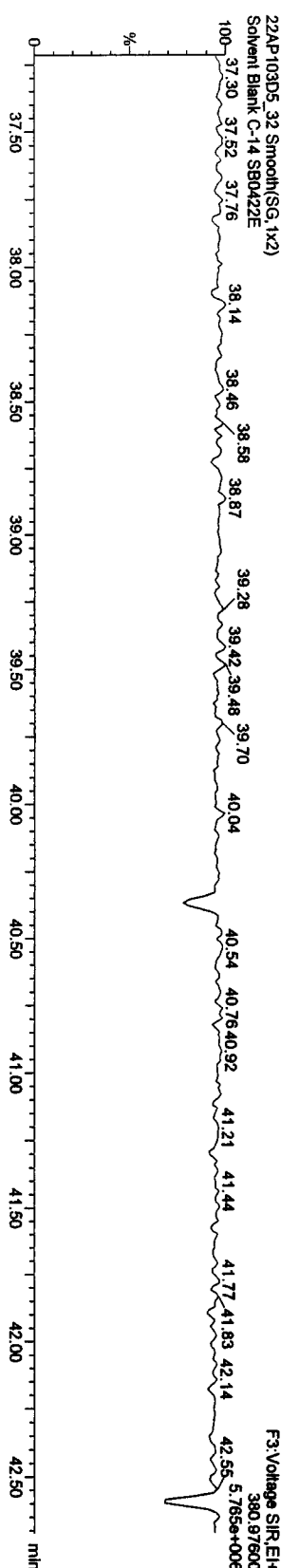
HxCDFs



HxCDF PCDFE



Function 3 PFK



Quantity Sample Report Masslynx 4.1

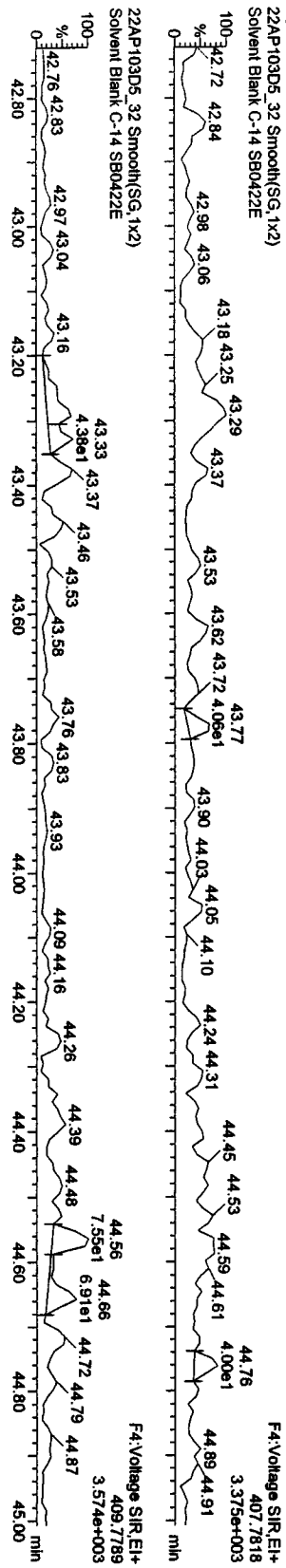
Dataset: C:\MassLynx\LAN2010\PROV22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

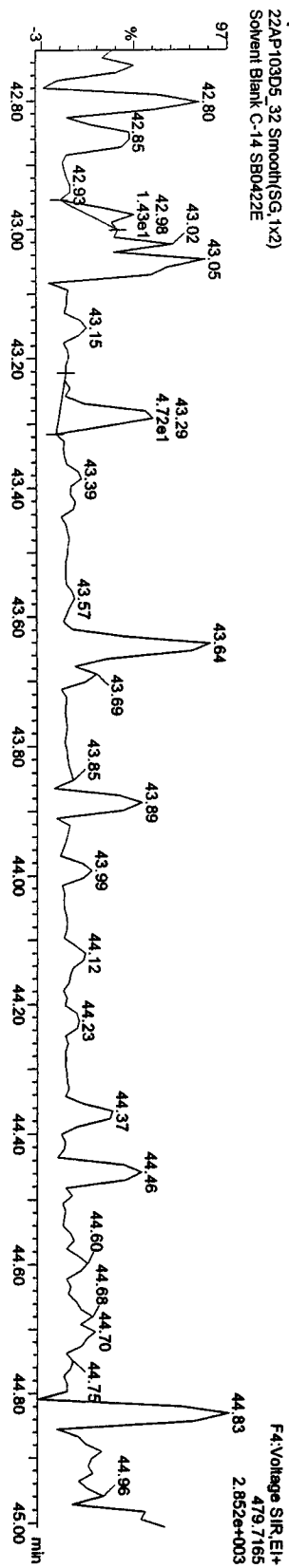
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

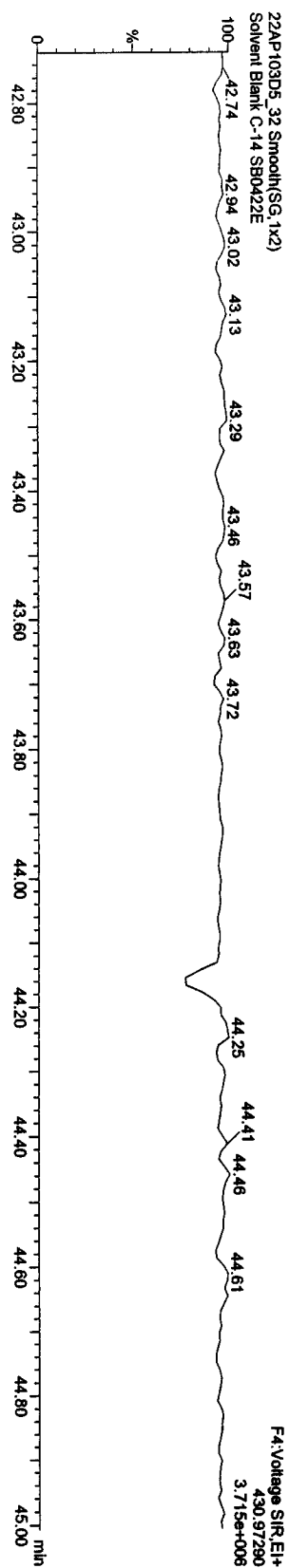
HPCDFs
22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



HPCDF PCDFE
22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



Function 4 PFK
22AP103D5_32 Smooth(SG, 1x2)
Solvent Blank C-14 SB0422E



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV22AP103D58290C.qld

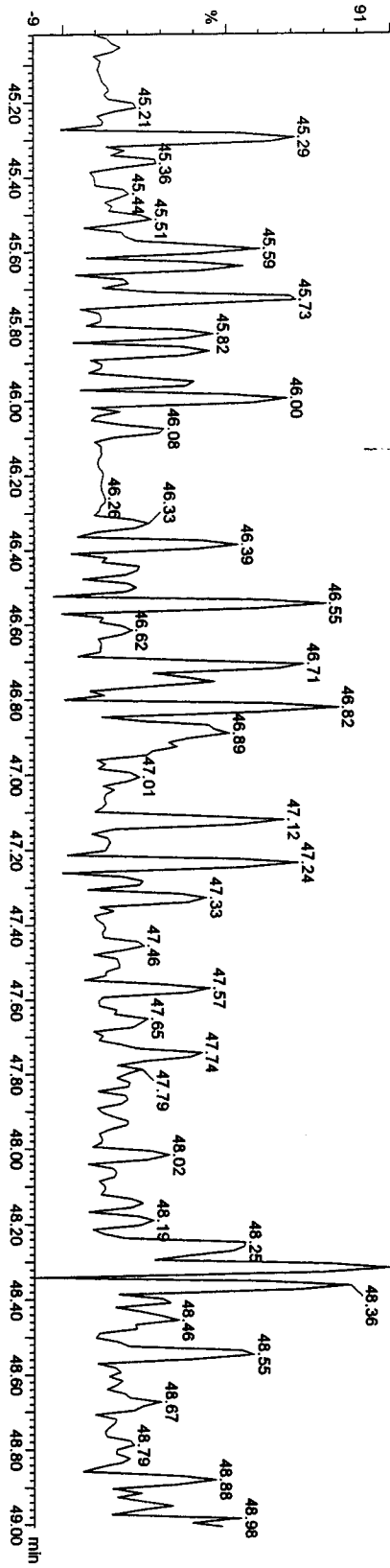
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_32, Date: 23-Apr-2010, Time: 13:36:48, ID: SB0422E, Description: Solvent Blank C-14

OCDF PCDDPE

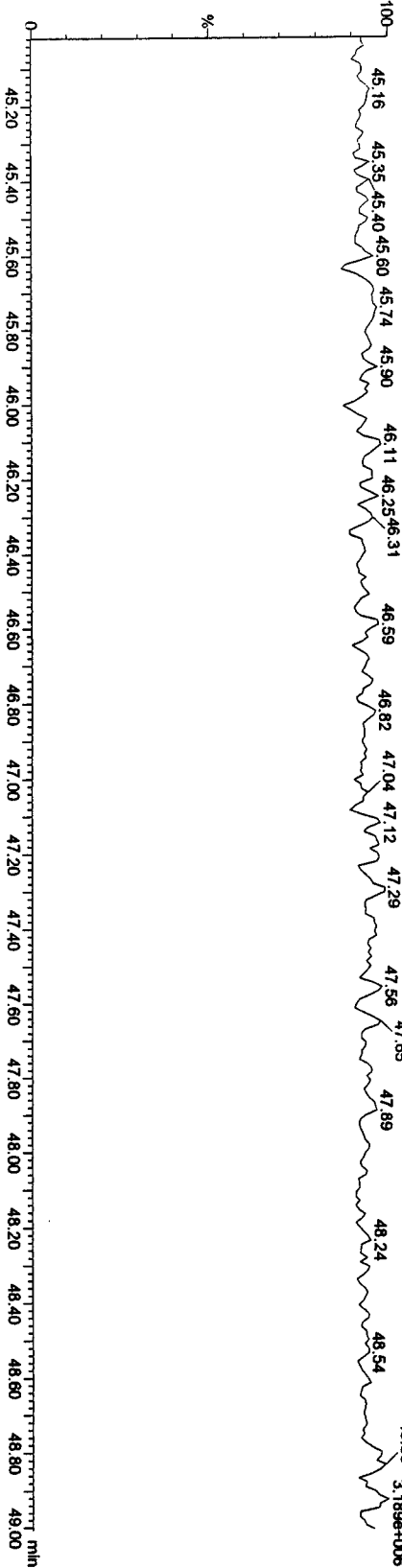
22AP103D5_32 Smooth(SG,1x2)
Solvent Blank C-14 SB0422E



F5:Voltage SIR.EI+
513.67750
3.325e+003

Function 5 PFK

22AP103D5_32 Smooth(SG,1x2)
Solvent Blank C-14 SB0422E



F5:Voltage SIR.EI+
442.97280
48.83 3.189e+006

Quantity Sample Report MassLynx 4.1

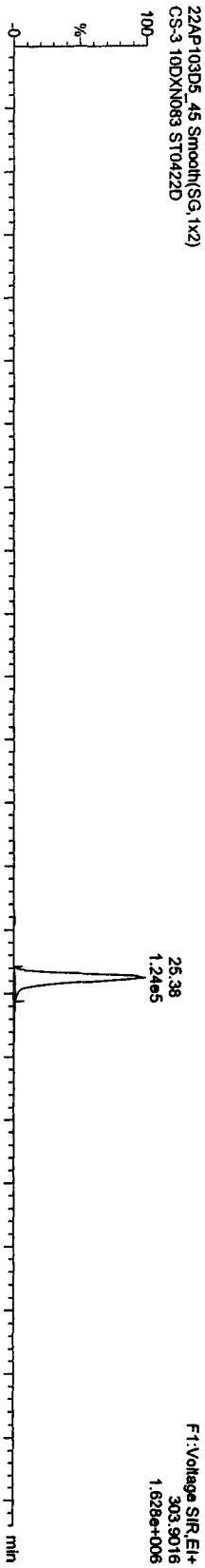
Dataset: C:\MassLynx\JAN2010\PROJ22AP103D58290C.qid

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

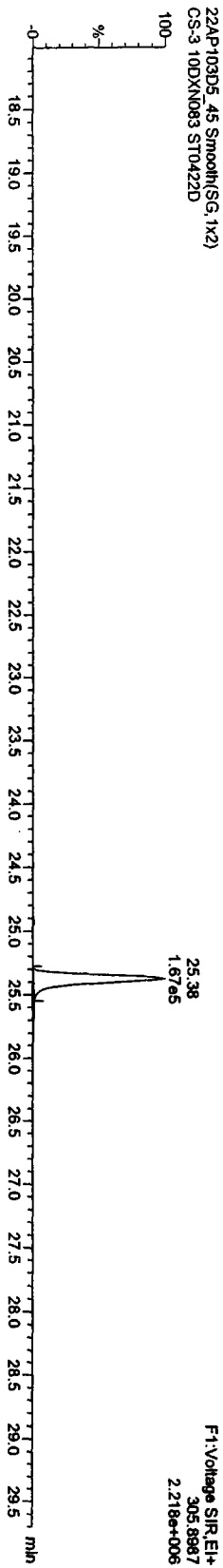
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

TCDFs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

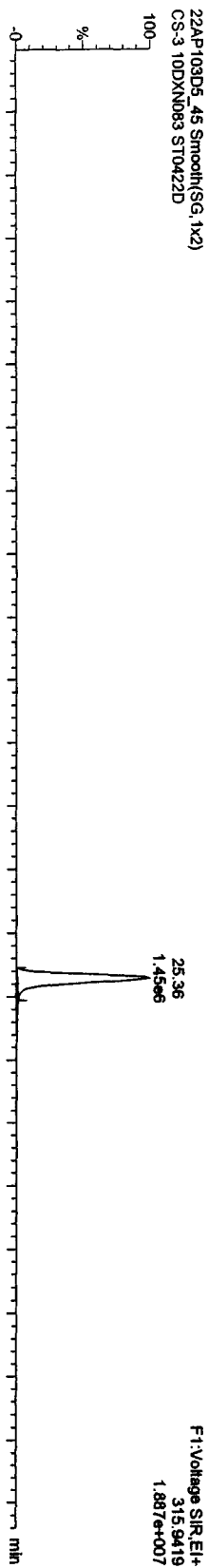


22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

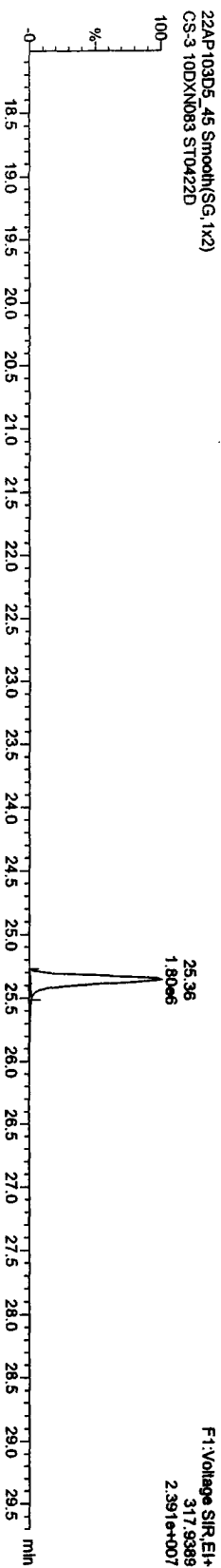


13C-TCDF

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\22AP103D568290C.qld

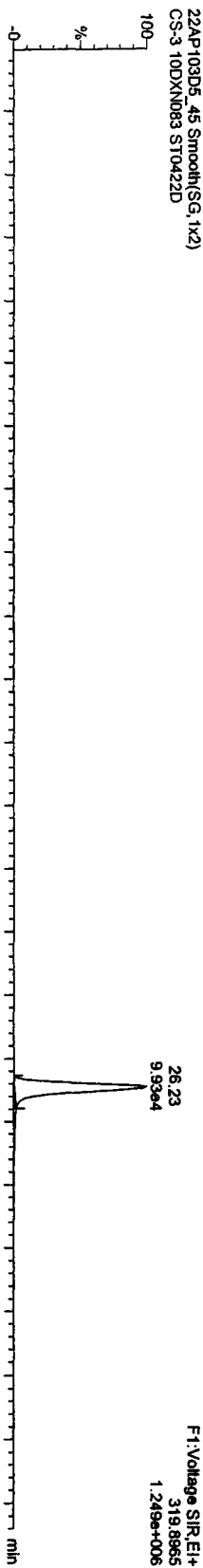
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

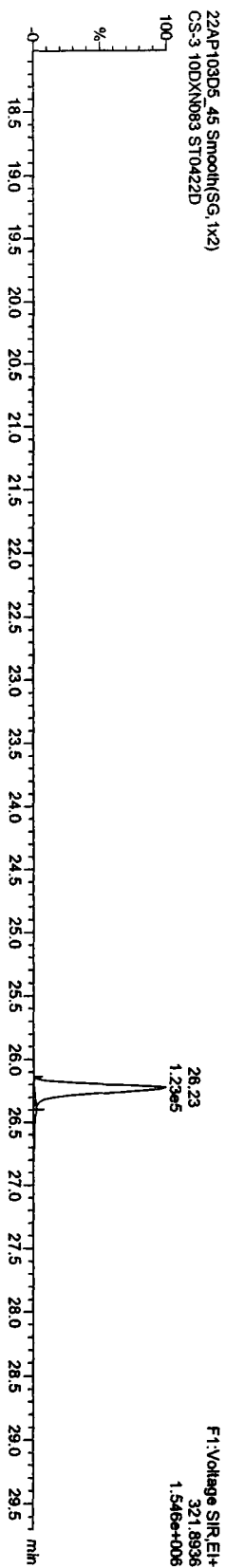
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

TCDDs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

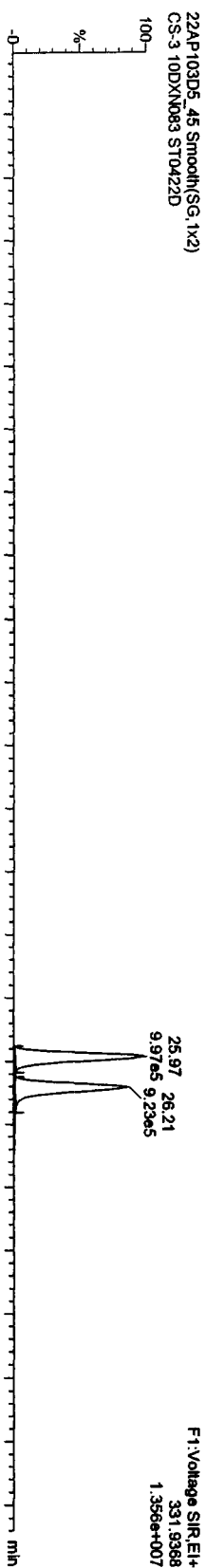


22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

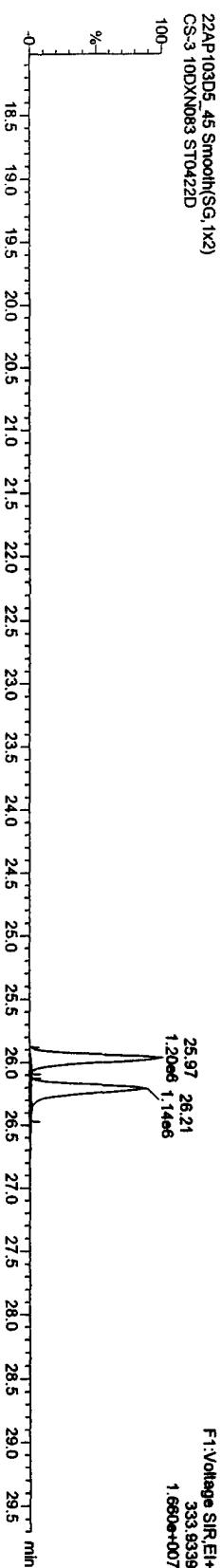


13C-TCDDs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



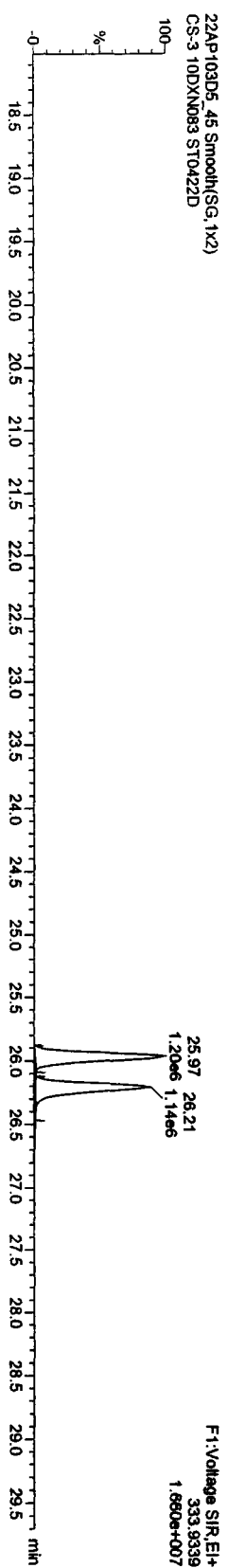
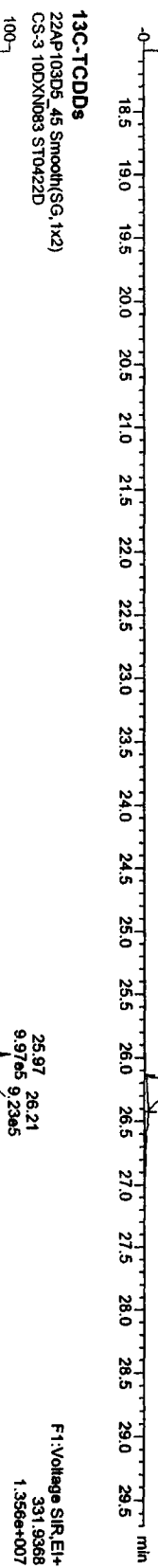
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\22AP103D58290C.qid

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\22AP103D58290C.qld

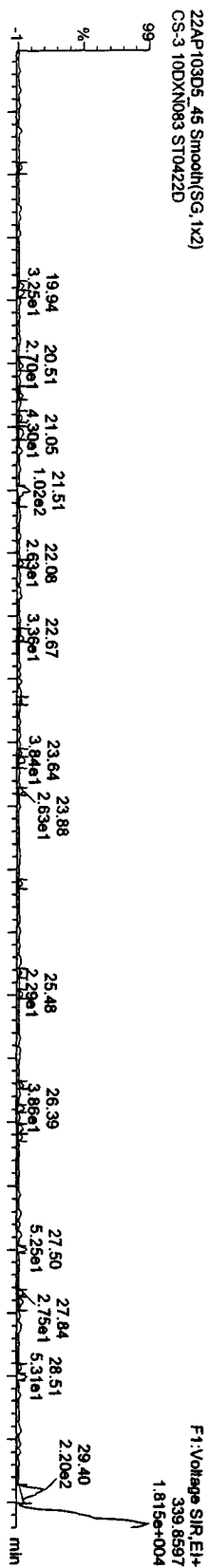
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

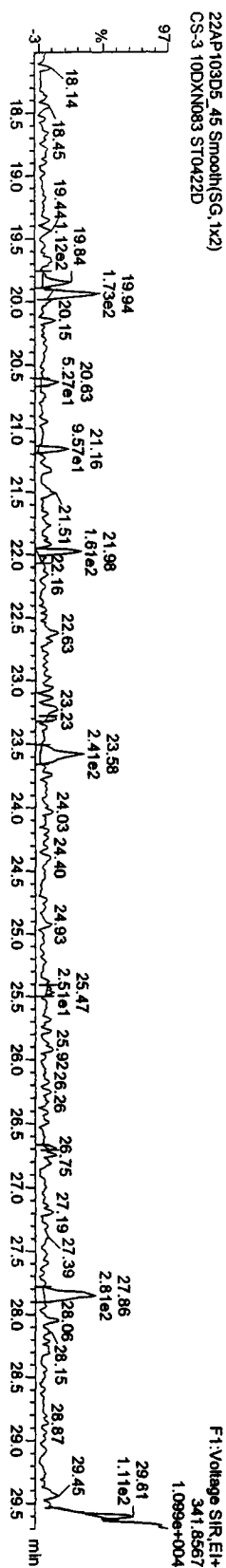
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

F1 PeCDFs

22AP103D5_45 Smooth(SG,1x2)
CS-3 10DXN083 ST0422D

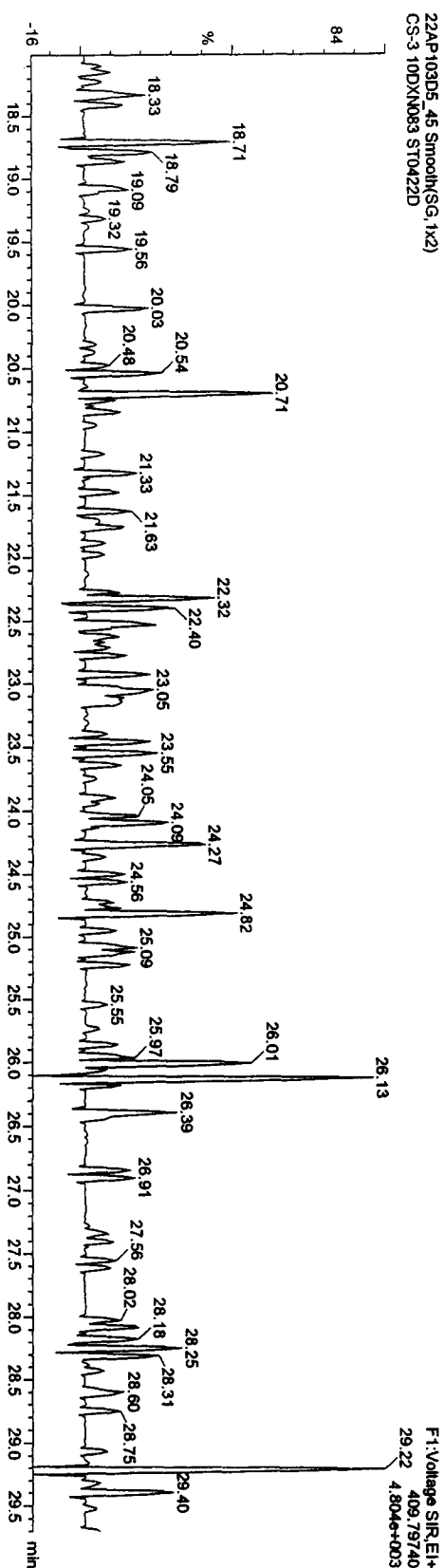


22AP103D5_45 Smooth(SG,1x2)
CS-3 10DXN083 ST0422D



F1 PeCDF PE

22AP103D5_45 Smooth(SG,1x2)
CS-3 10DXN083 ST0422D



Dataset: C:\Masslynx\UNAN2010.PRO\22AP103D58290C.qid

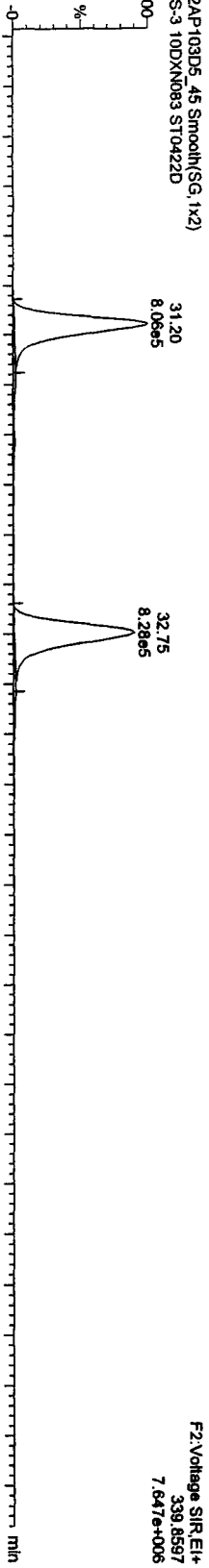
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

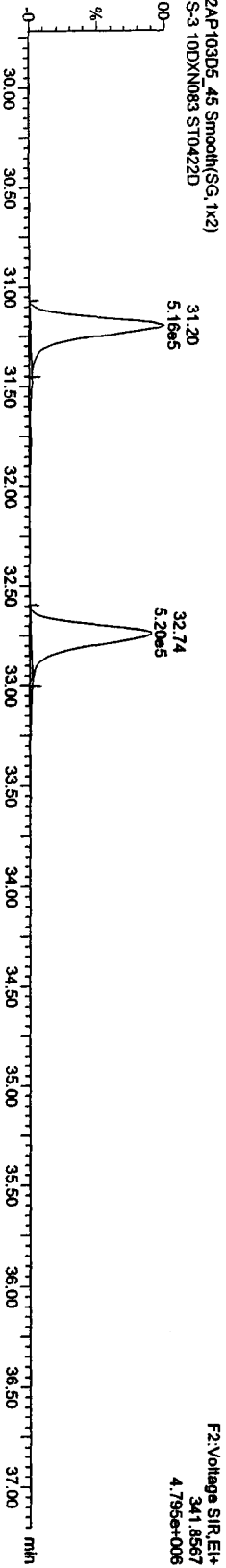
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PeCDFs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

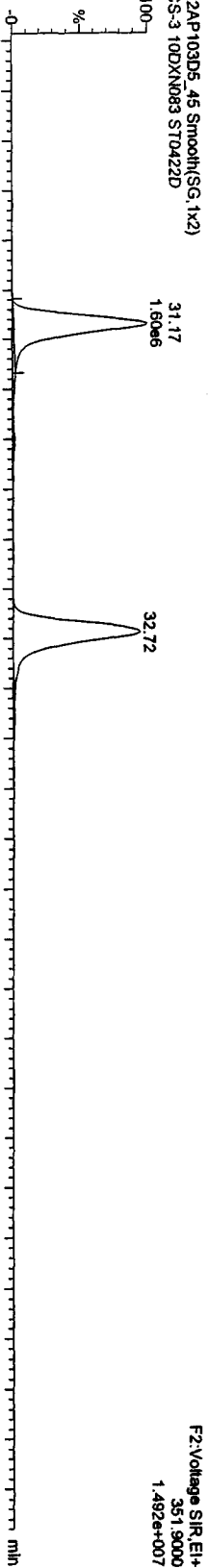


22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

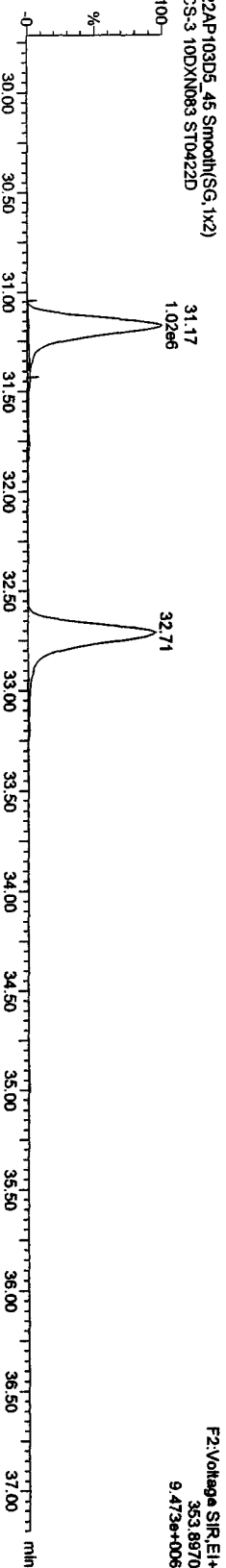


13C-PeCDFs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LANZ2010\PROV22AP103D58290C.qld

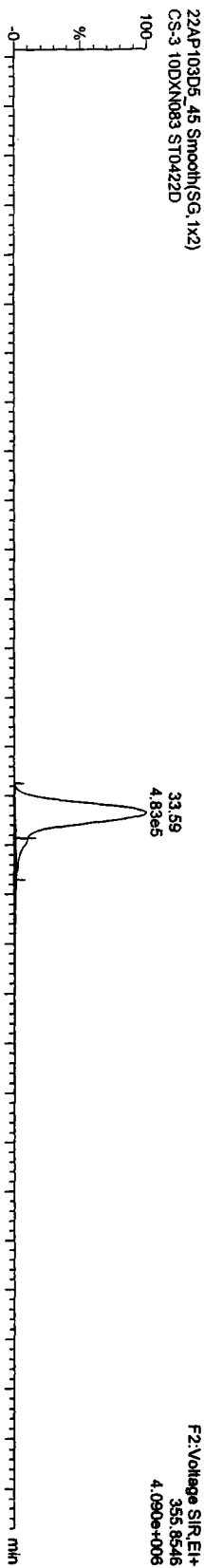
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

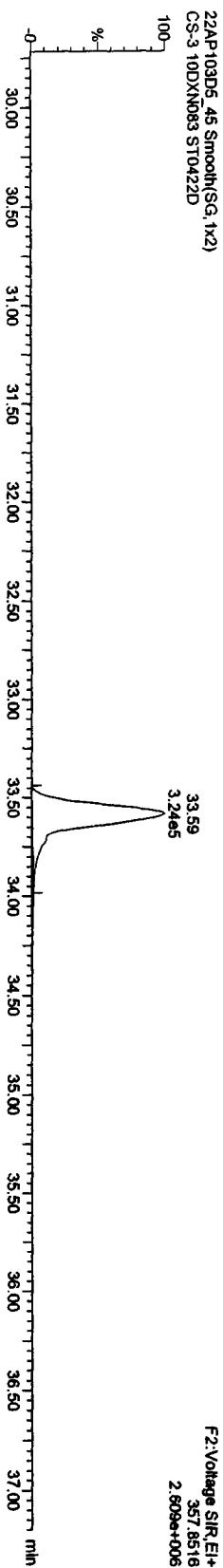
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

PeCDDs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

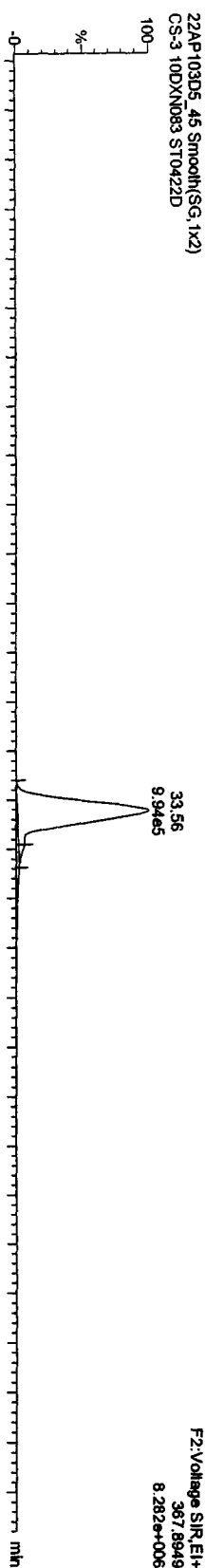


22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

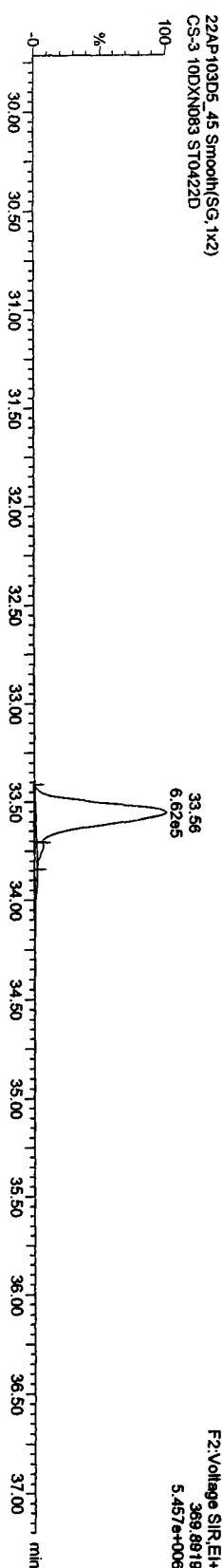


13C-PeCDD

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



Quantity Sample Report MassLynx 4.1

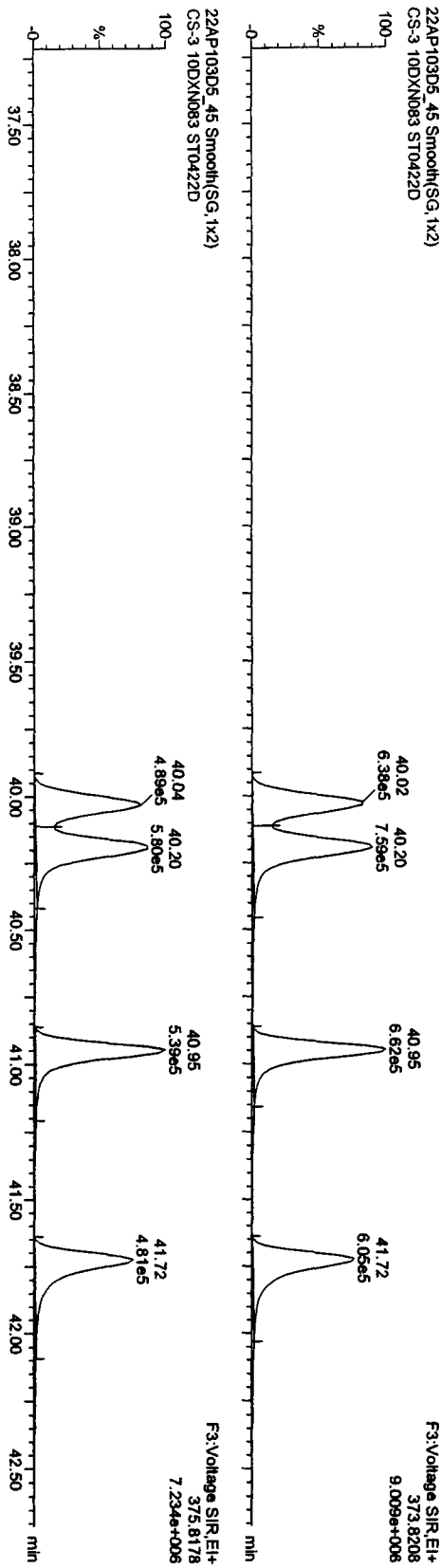
Dataset: C:\MassLynx\UNAN2010\PROV22AP103D58290C.qid

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

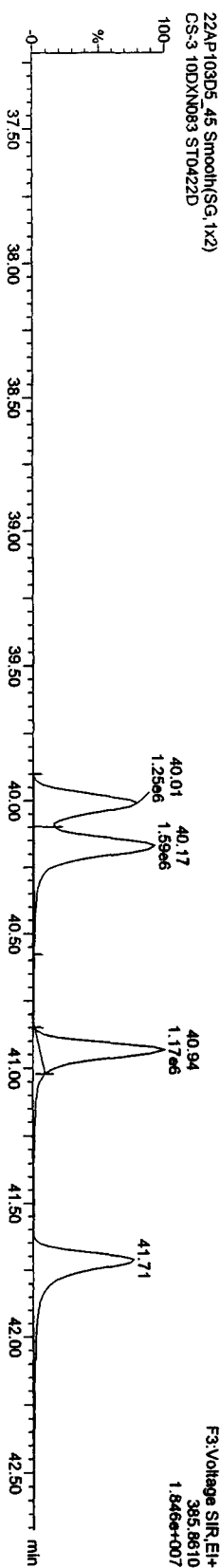
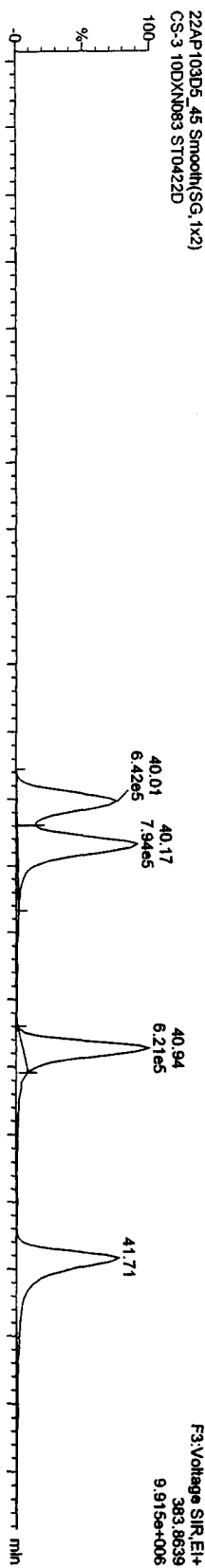
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

HxCDFs



13C-HxCDFs



Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\UAN2010\PROV22AP103D58290C.qld

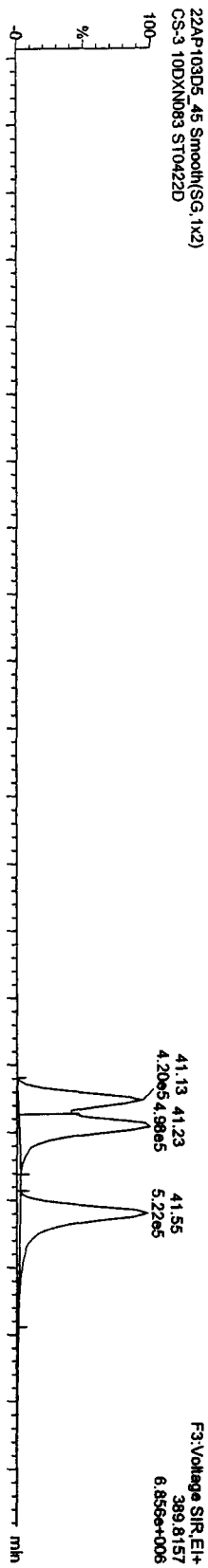
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

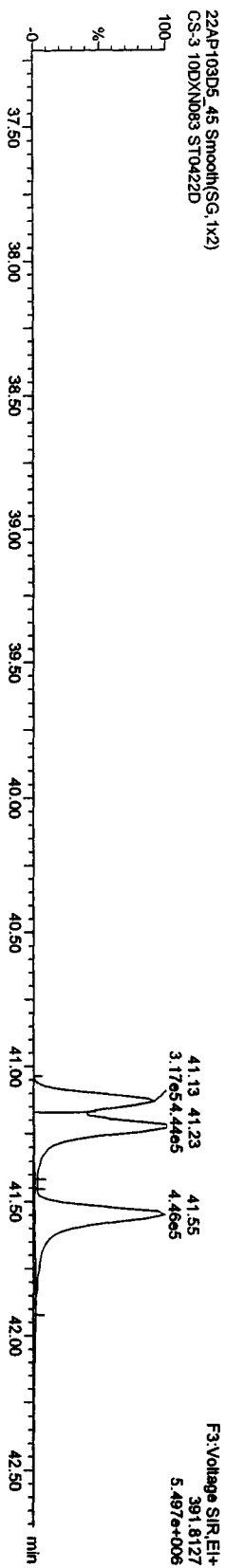
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

HxCDDs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

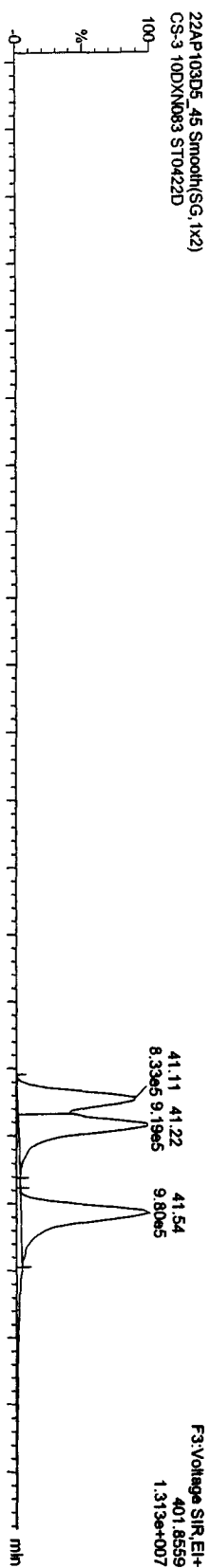


22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

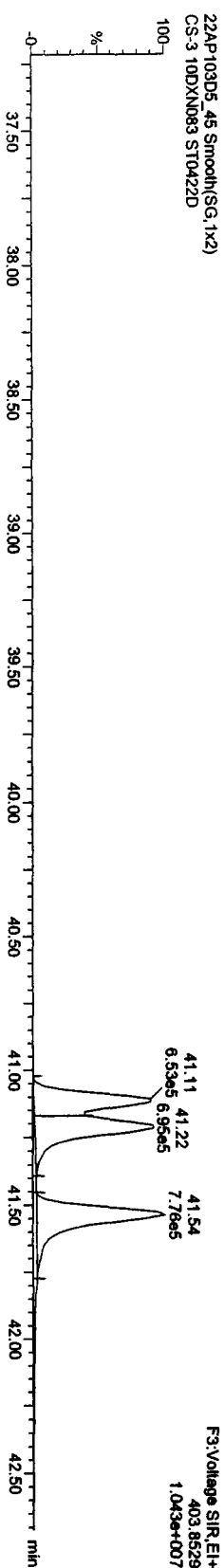


13C-HxCDDs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010\PROV22AP103D58290C.qld

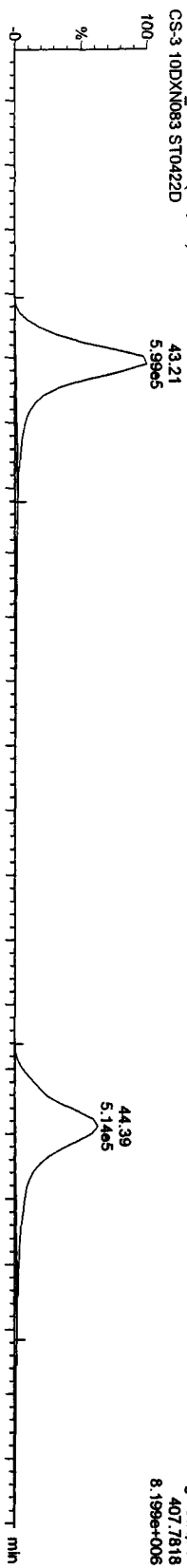
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

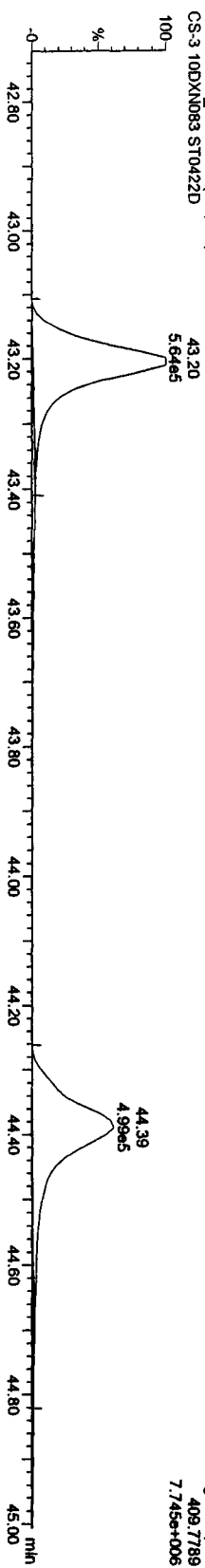
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

HPCDFs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

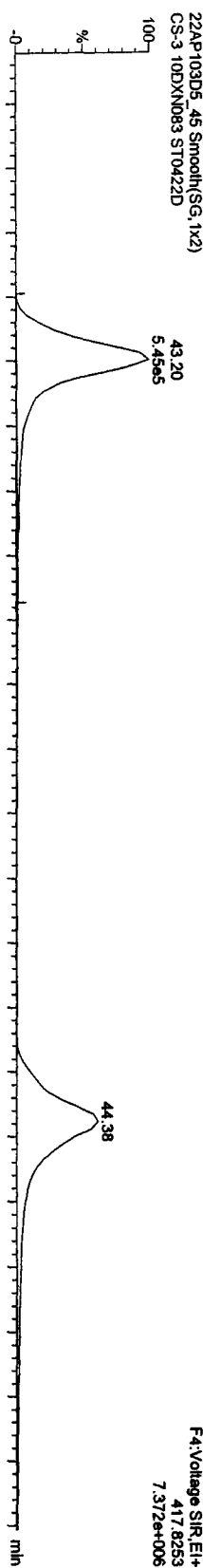


22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

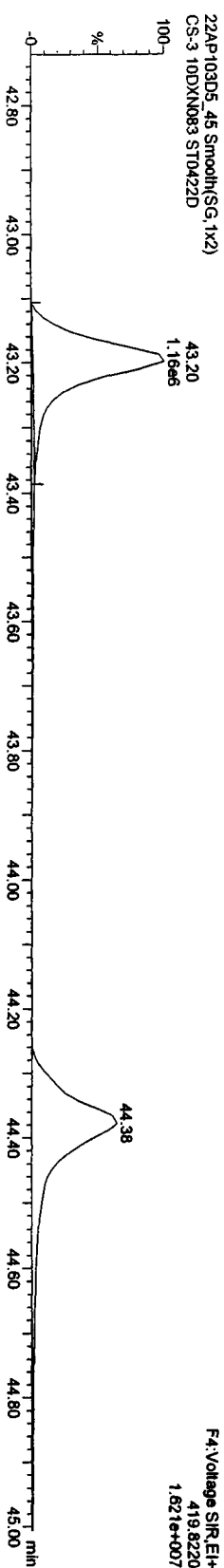


¹³C-HPCDFs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\LAN2010\PROV22AP103D58290C.qld

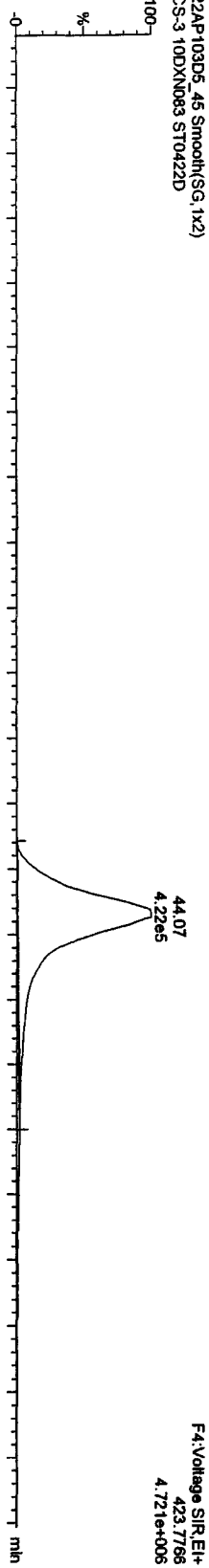
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

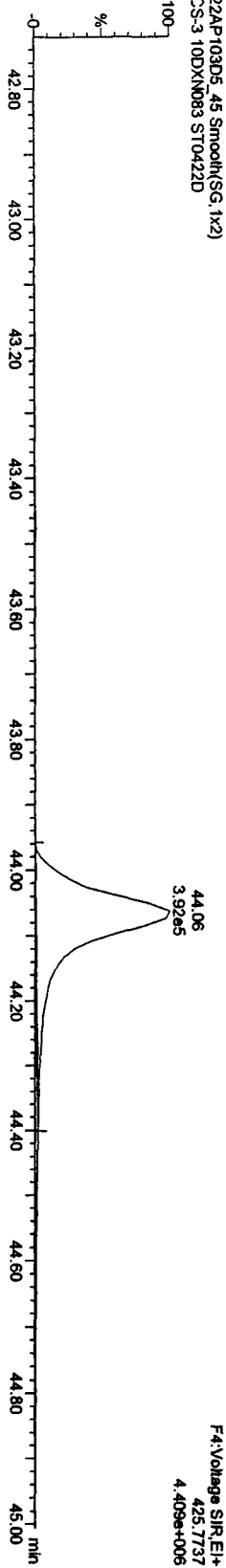
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

HpCCDs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

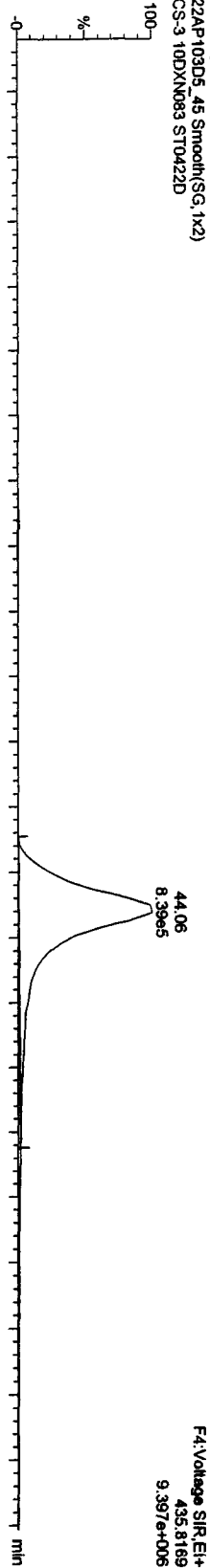


22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

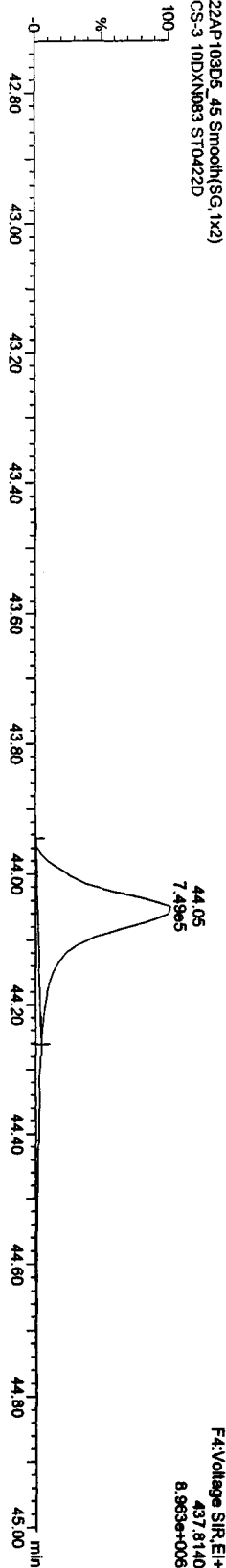


13C-HpCCD

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



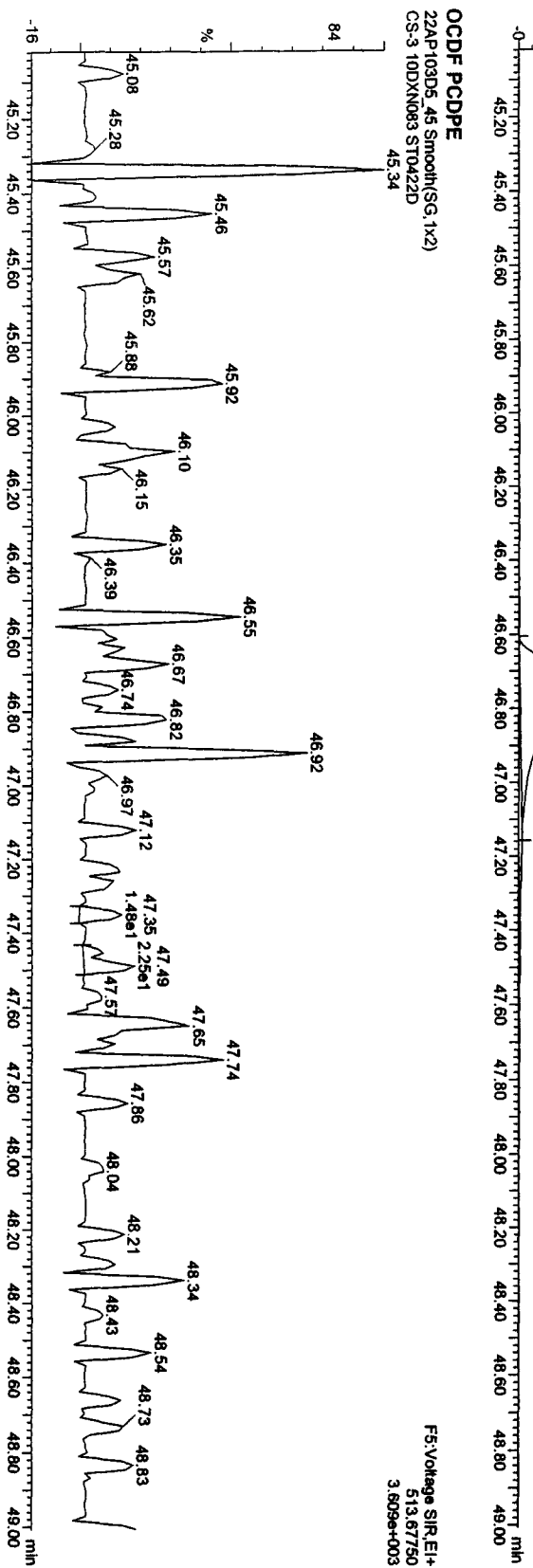
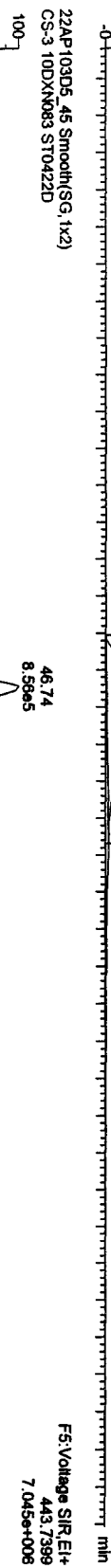
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

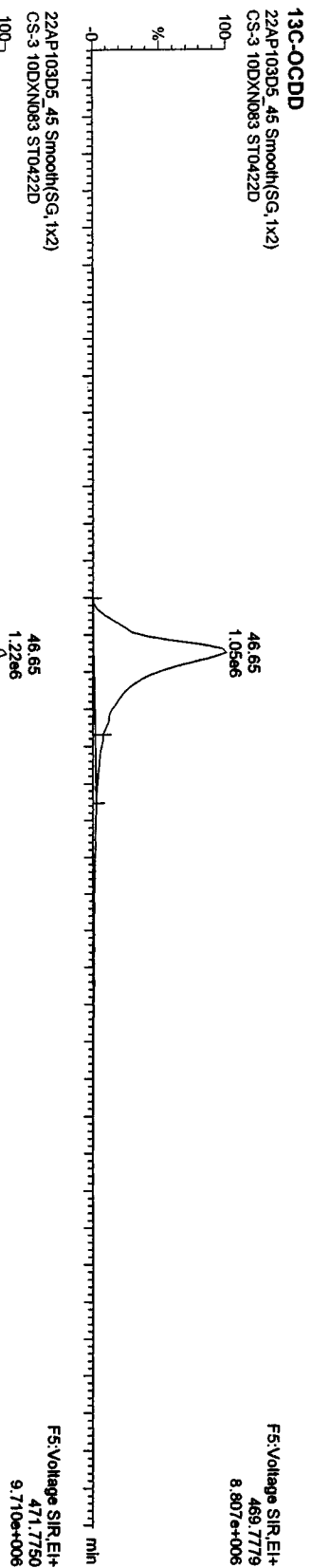
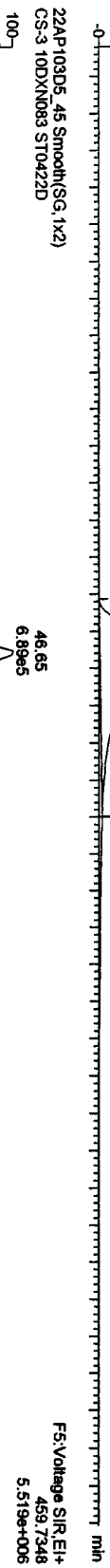
Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV22AP103D58290C.qid
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ\22AP103D58290C.qld

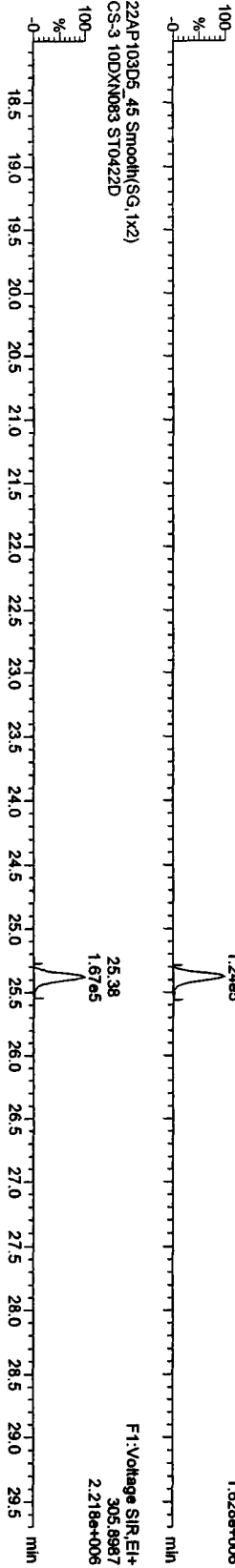
Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

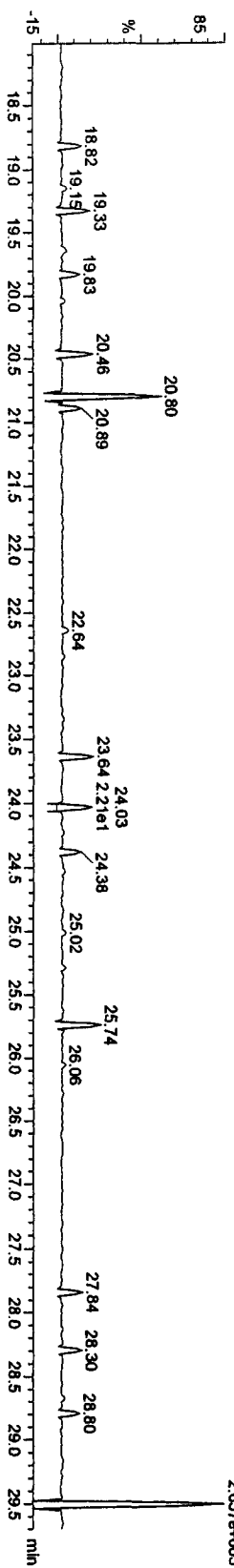
TCDFs

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



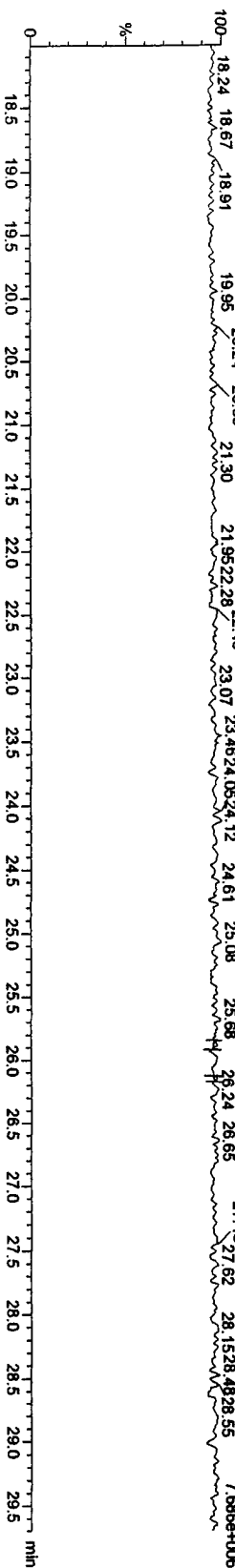
TCDF PCDDP

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D



Function 1 PFK

22AP103D5_45 Smooth(SG, 1x2)
CS-3 10DXN083 ST0422D

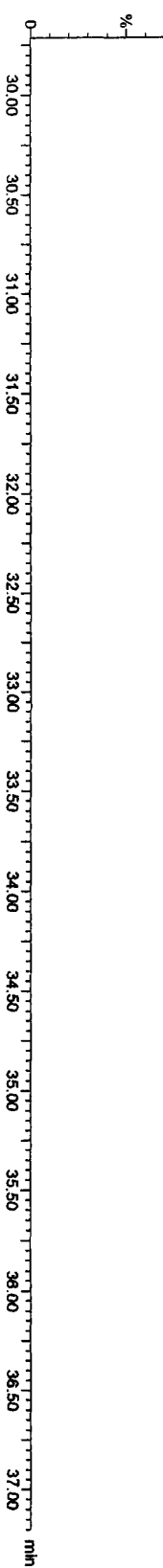
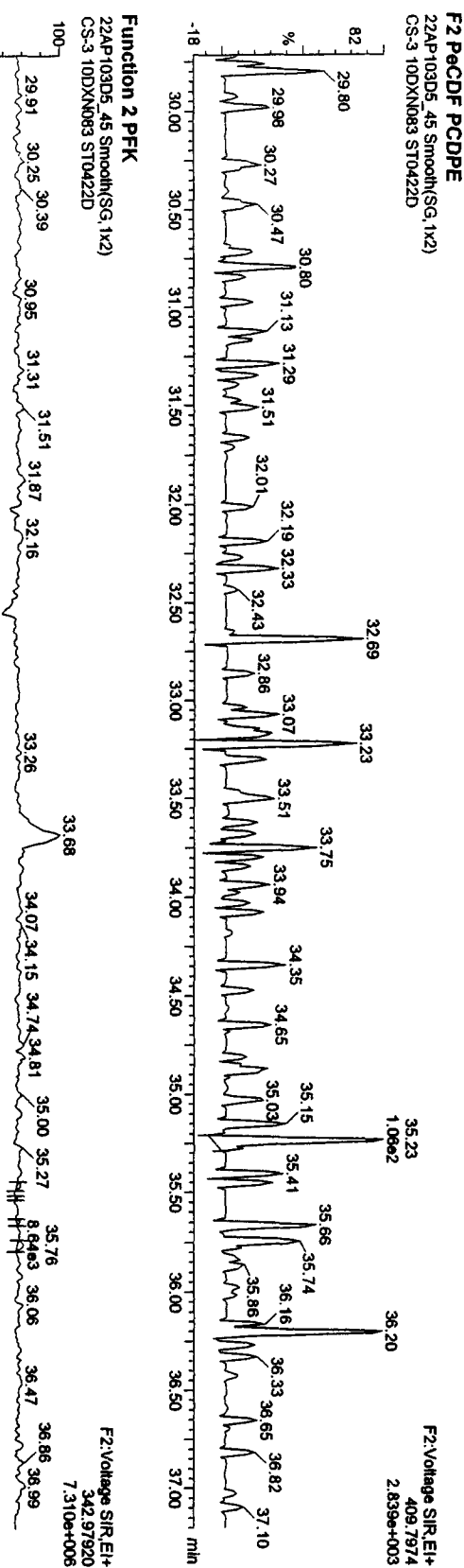
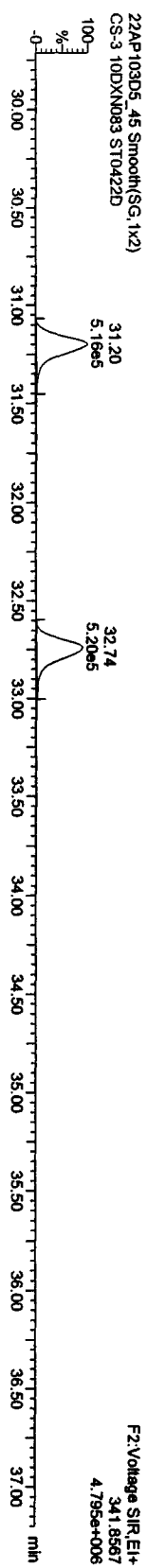
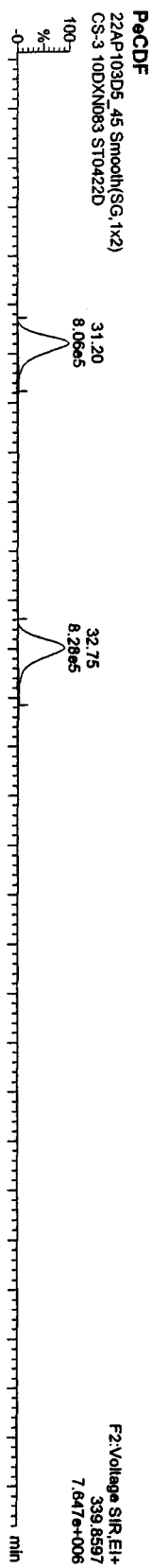


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083



Quantity Sample Report Masslynx 4.1

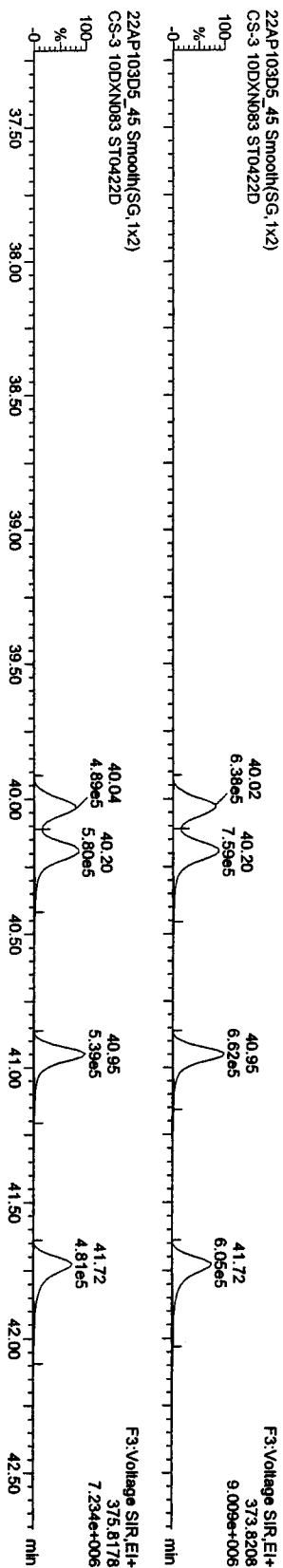
Dataset: C:\Masslynx\LAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

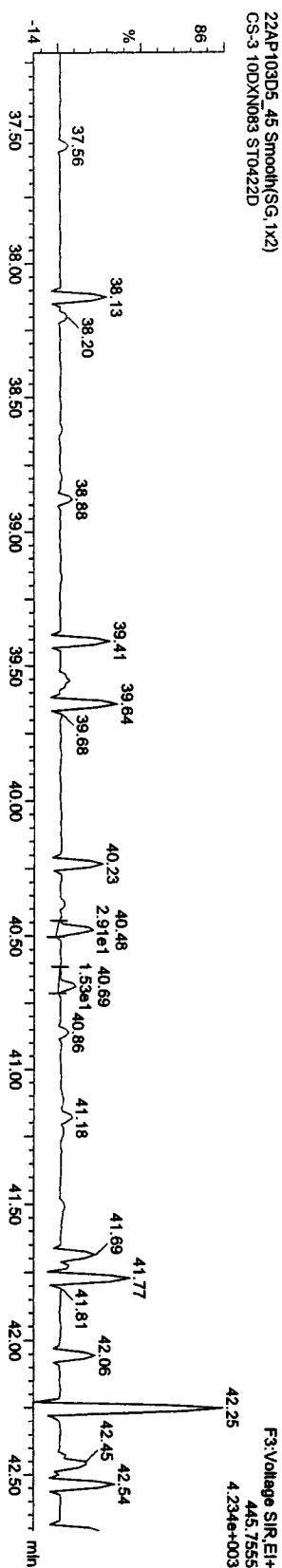
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

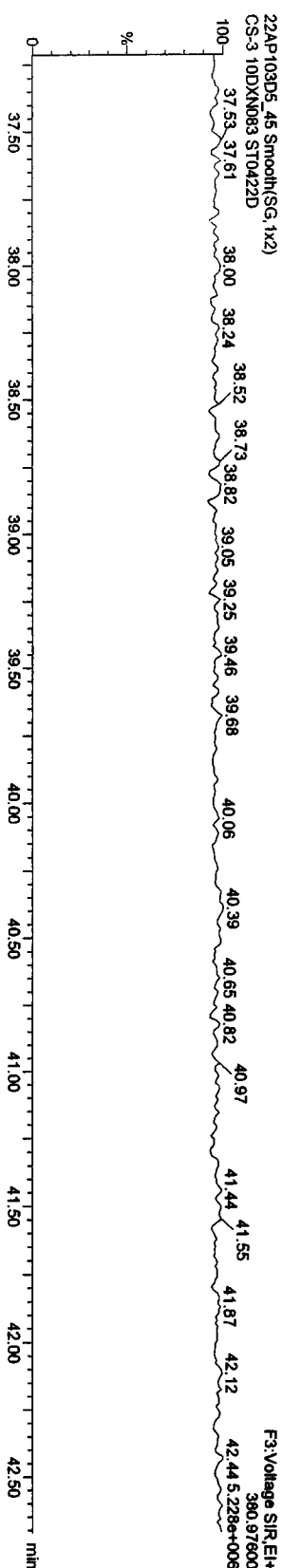
HxCDFs



HxCDF PCDFE



Function 3 PFK

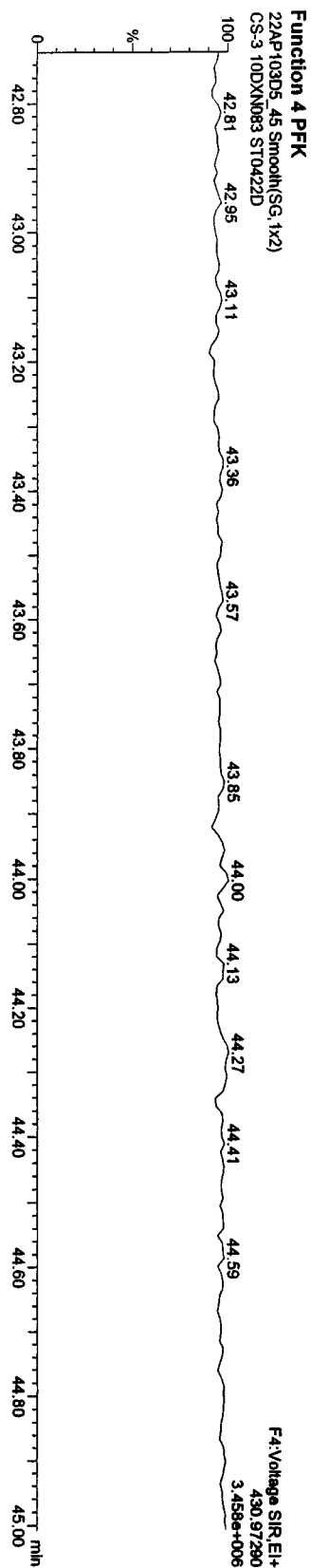
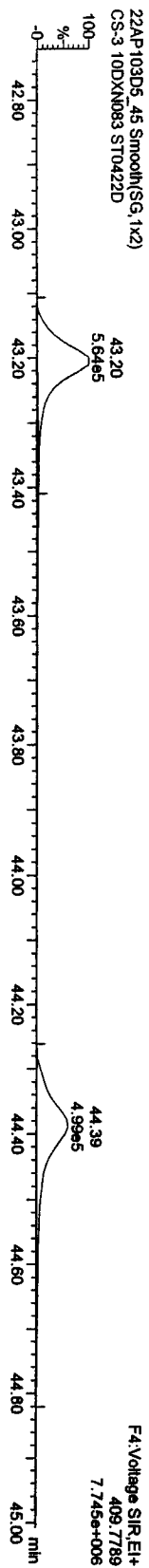
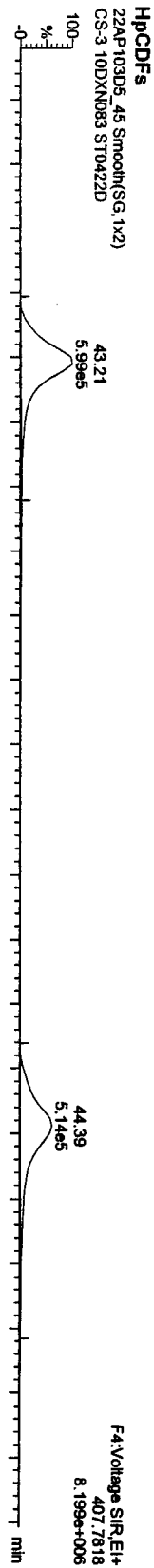


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\JAN2010.PRO\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time
 Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083



Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\JAN2010\PROJ\22AP103D58290C.qld

Last Altered: Saturday, April 24, 2010 09:41:39 Pacific Daylight Time

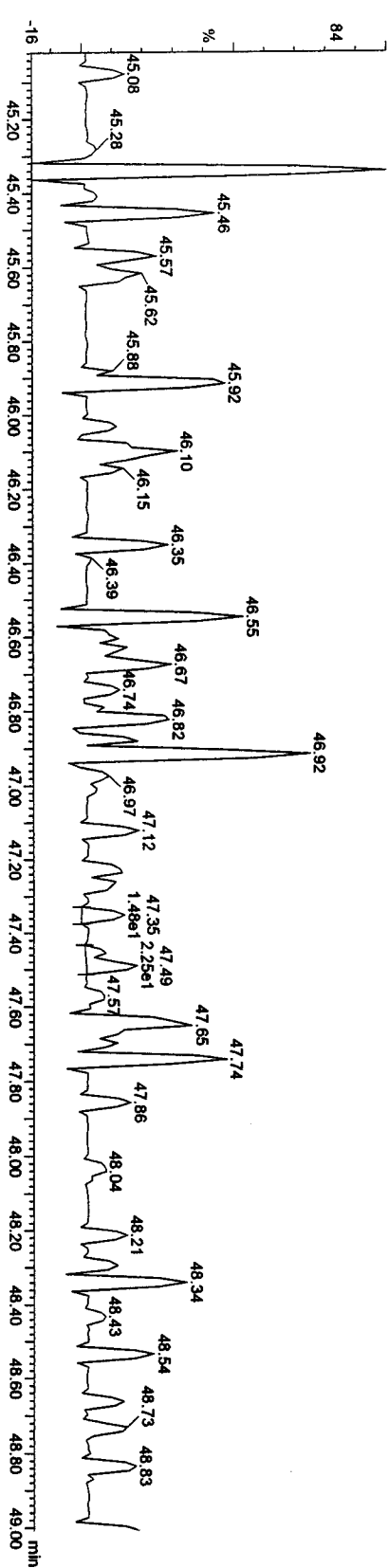
Printed: Saturday, April 24, 2010 09:48:05 Pacific Daylight Time

Name: 22AP103D5_45, Date: 24-Apr-2010, Time: 01:03:01, ID: ST0422D, Description: CS-3 10DXN083

OCDF PCDDPE

22AP103D5_45 Smooth(SG,1x2)
CS-3 10DXN083 ST0422D
45.34

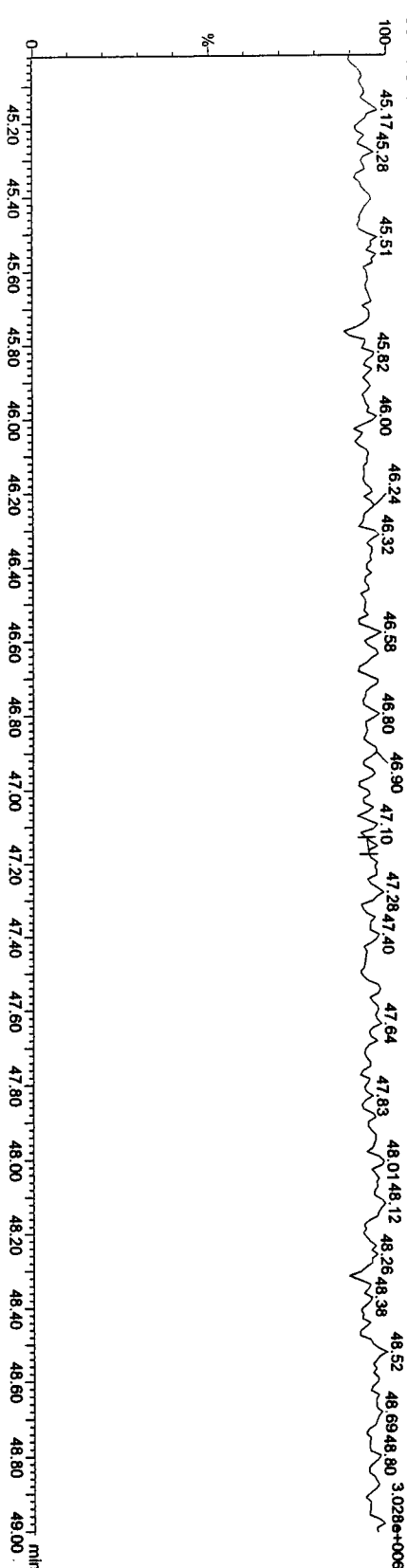
FS:Voltage SIR.EI+
513.67750
3.609e+003



Function 5 PFK

22AP103D5_45 Smooth(SG,1x2)
CS-3 10DXN083 ST0422D

FS:Voltage SIR.EI+
442.97280
3.028e+006



Run text: LX85A-1-AA Sample text: LX85A-1-AA :GOD200000-455B |
 Run #7 Filename: 26AP10A1D5 S: 5 I: 1 Results: 26AP10A1D58290
 Acquired: 26-APR-10 21:50:31 Processed: 27-APR-10 10:17:33
 Run: 26AP10A1D5 Analyte: 8290HRS Cal: 82901231091D5
 Sample size: 10.00 g

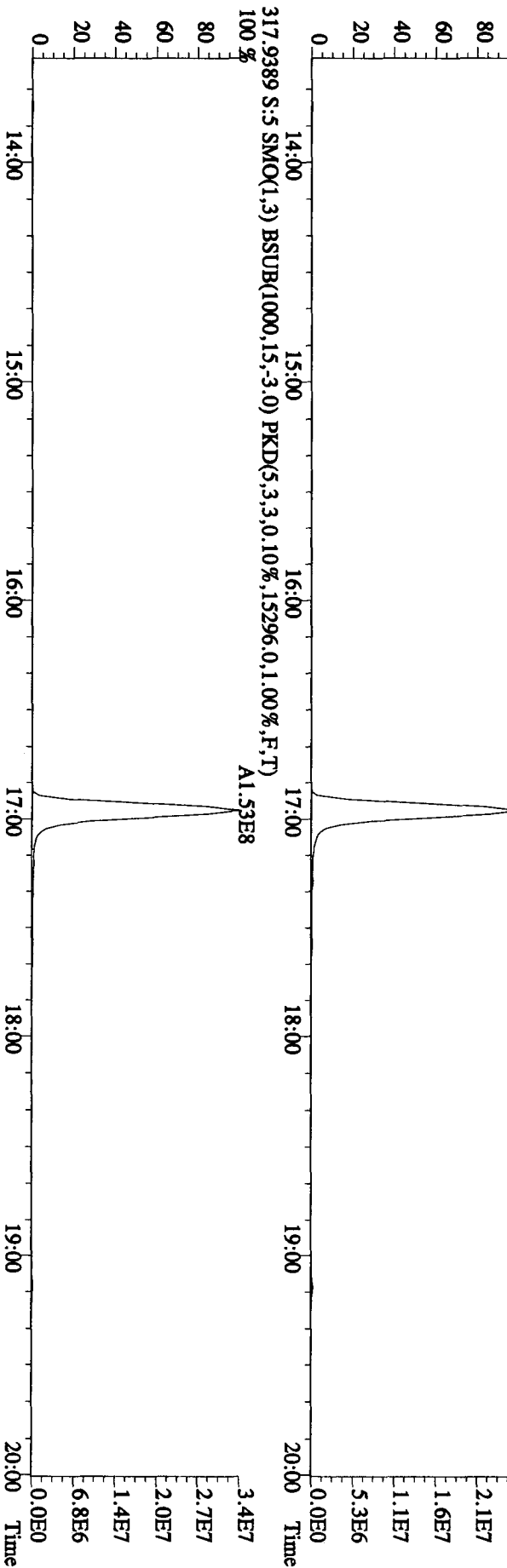
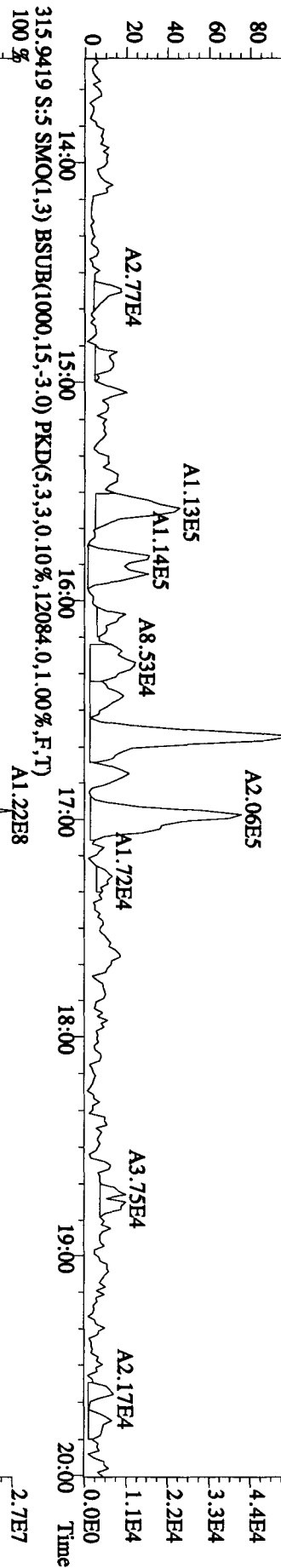
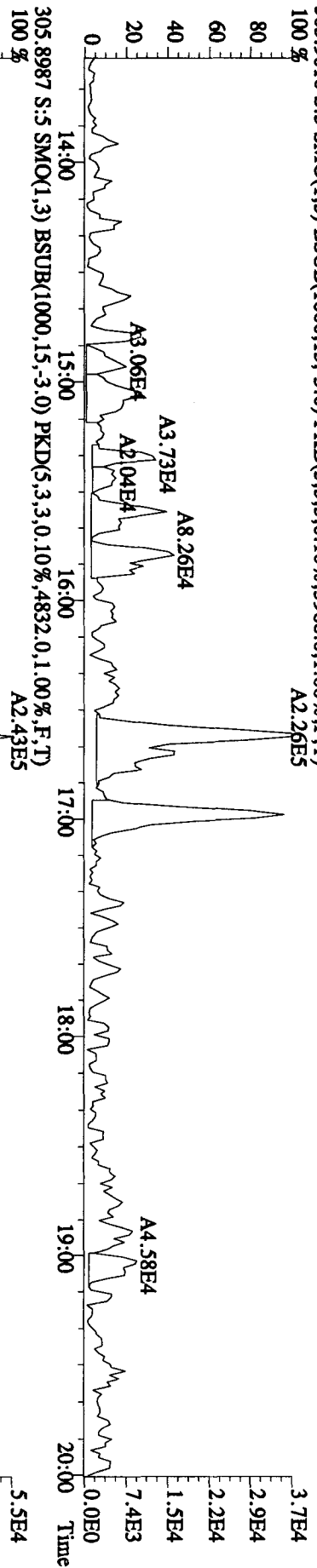
4/27/10
MC

Name	Resp	RA	RT	RRF	Conc	(smear) cy	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	J	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	J, Q	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	1.4187		0.1807	-	n
Total F1 PeCDF	622613	0.77 n	15:07	0.97	0.5927		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		0.2697	-	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	J	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	0.2911		0.1868	-	n
13C-1,2,3,4,6,7,8-HpCDD	126491848	1.06 y	34:44	0.75	176.8868		0.6023	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

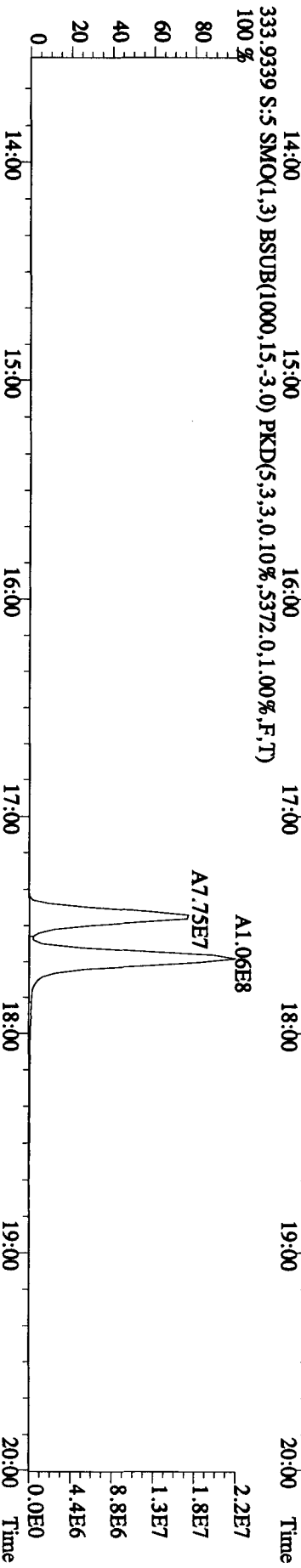
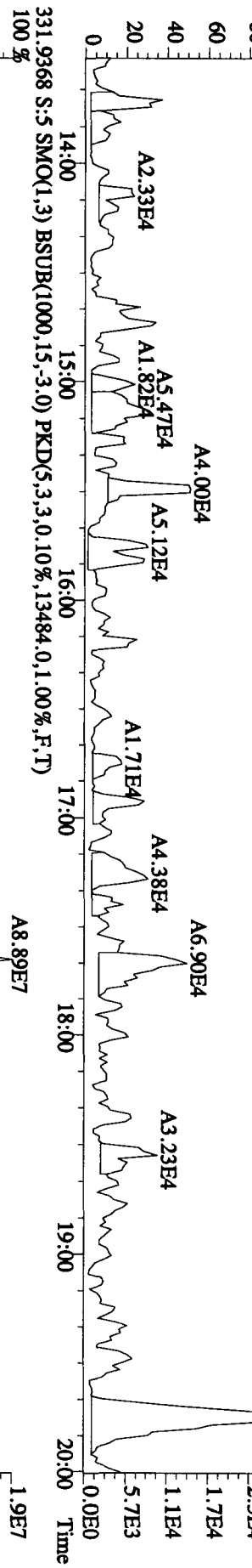
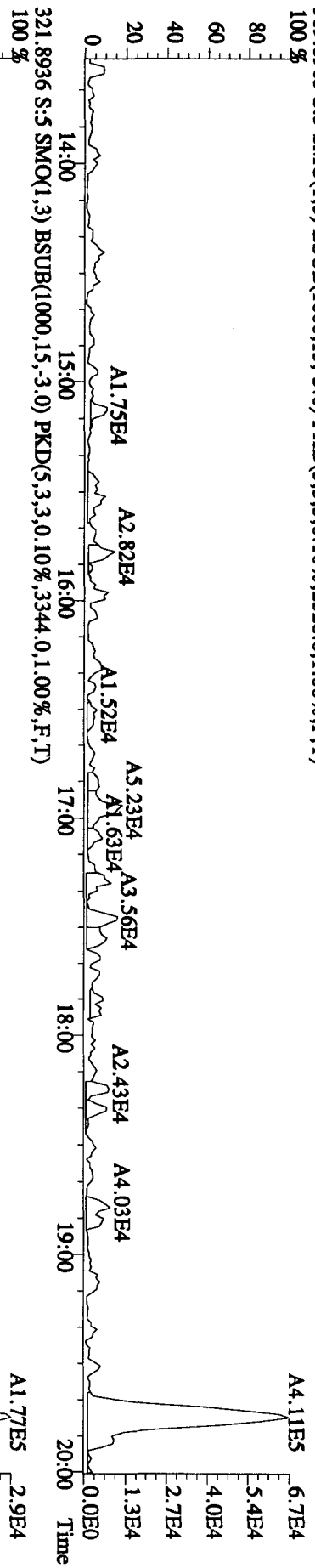
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE

Exp:DIOXIN

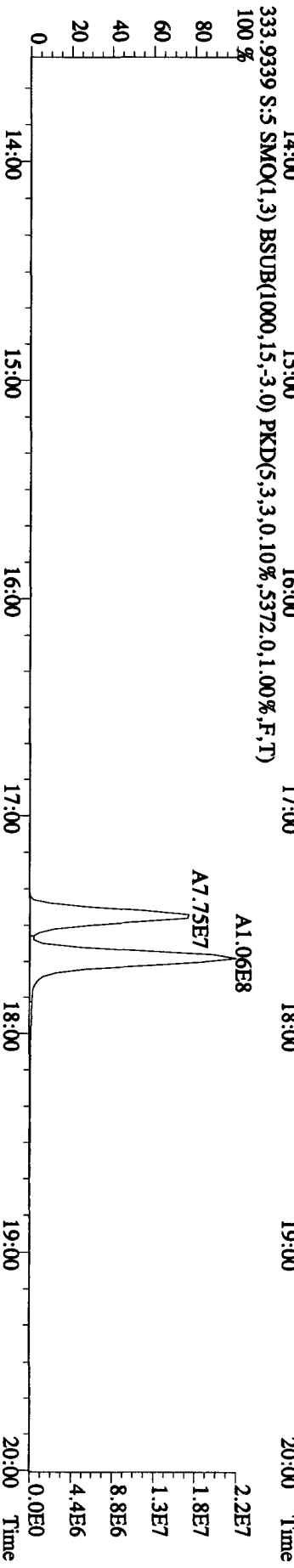
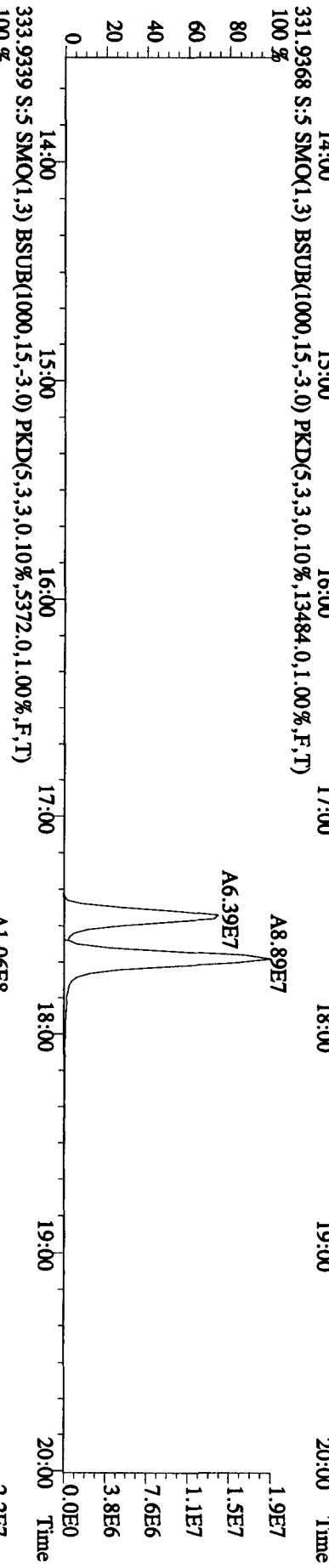
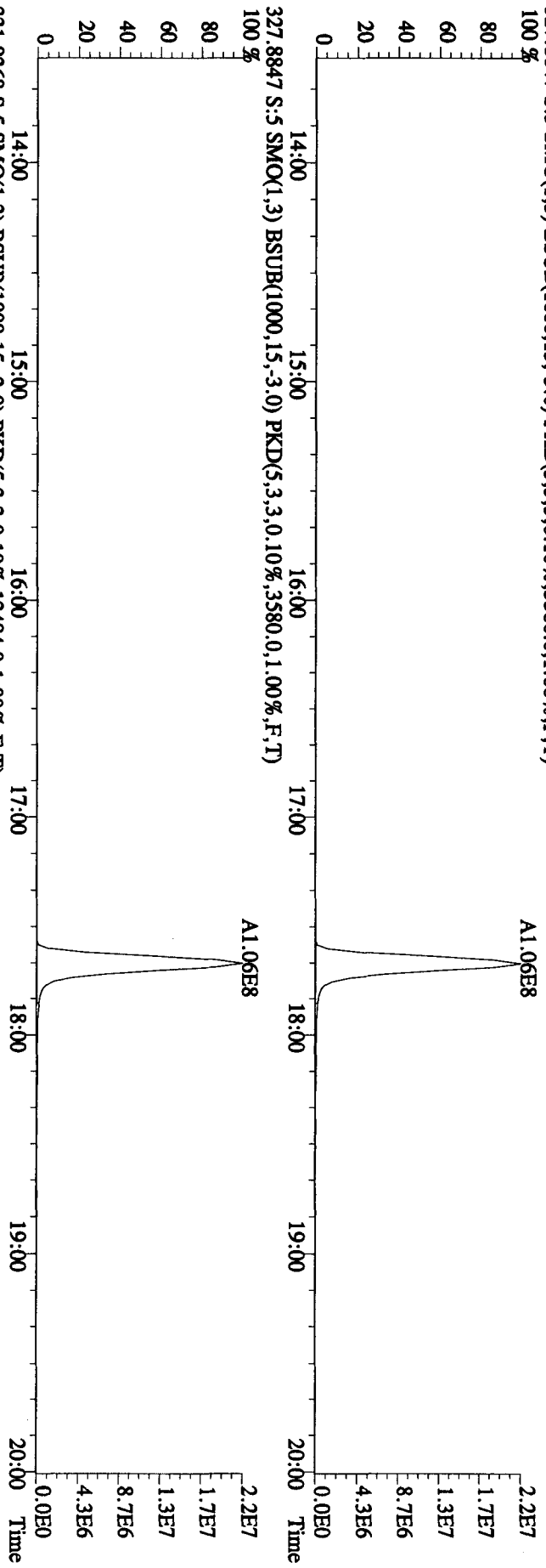
Sample#5 Text:LX85A-1-AA :GOD200000-455B
303.9016 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3968,0,1,00%,F,T)
100%



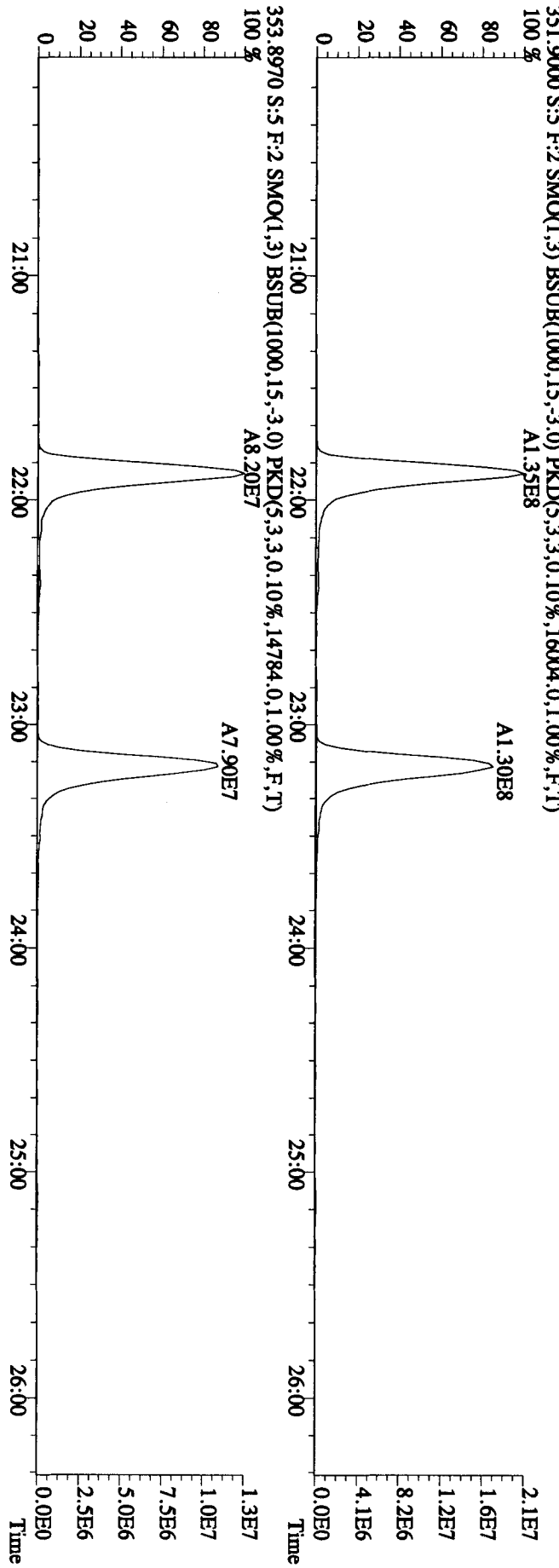
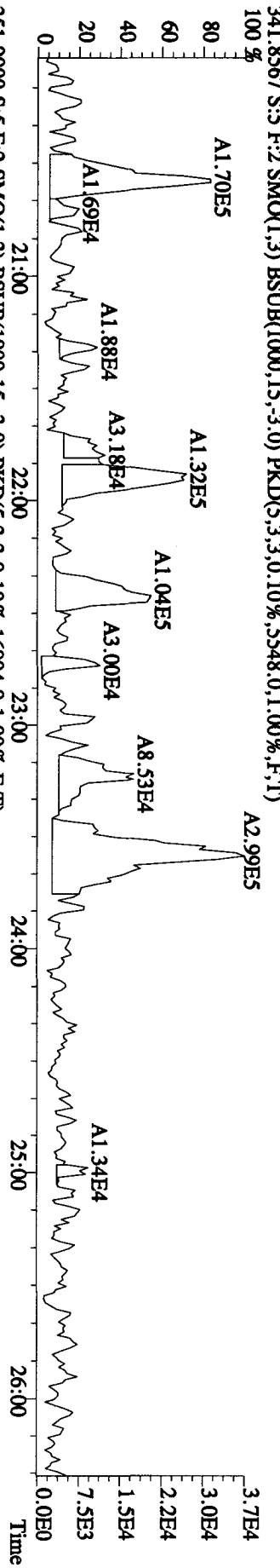
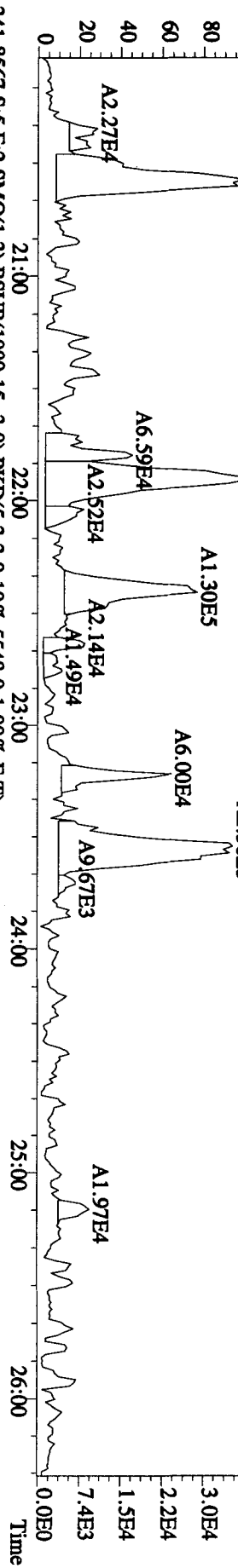
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE
 Sample#5 Text: LX85A-1-AA :GDD20000-455B Exp:DIOXIN
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2528.0,1.00%,F,T)
 100%



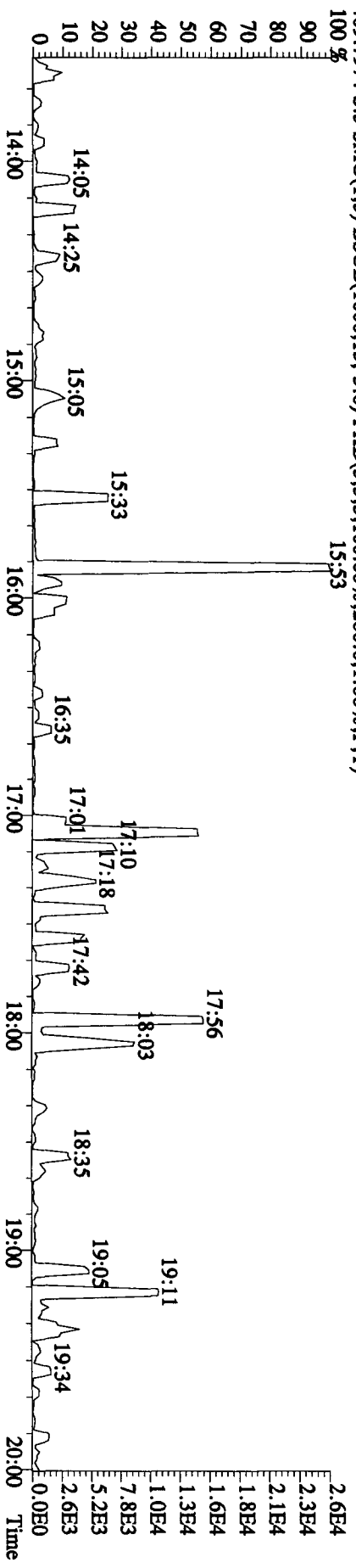
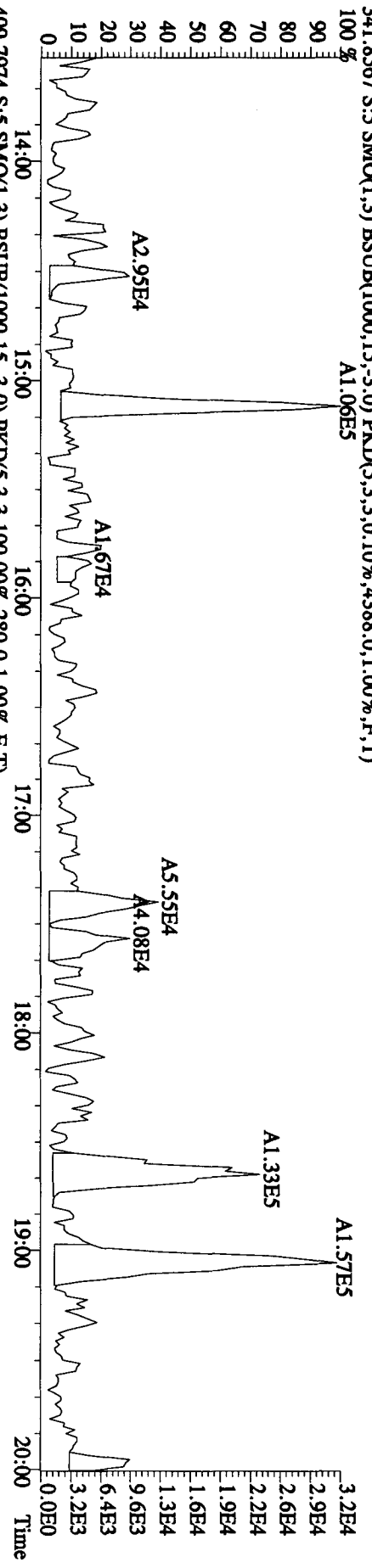
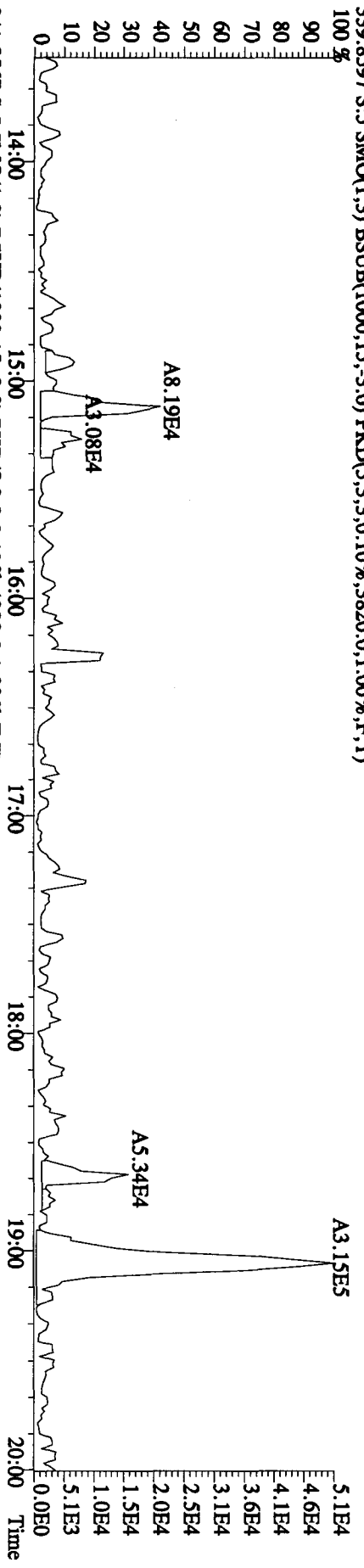
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE
 Sample#5 Text:1.X85A-1-AA :G0D200000-455B Exp:DIOXIN
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3580,0,1,00%,F,T)
 100%



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



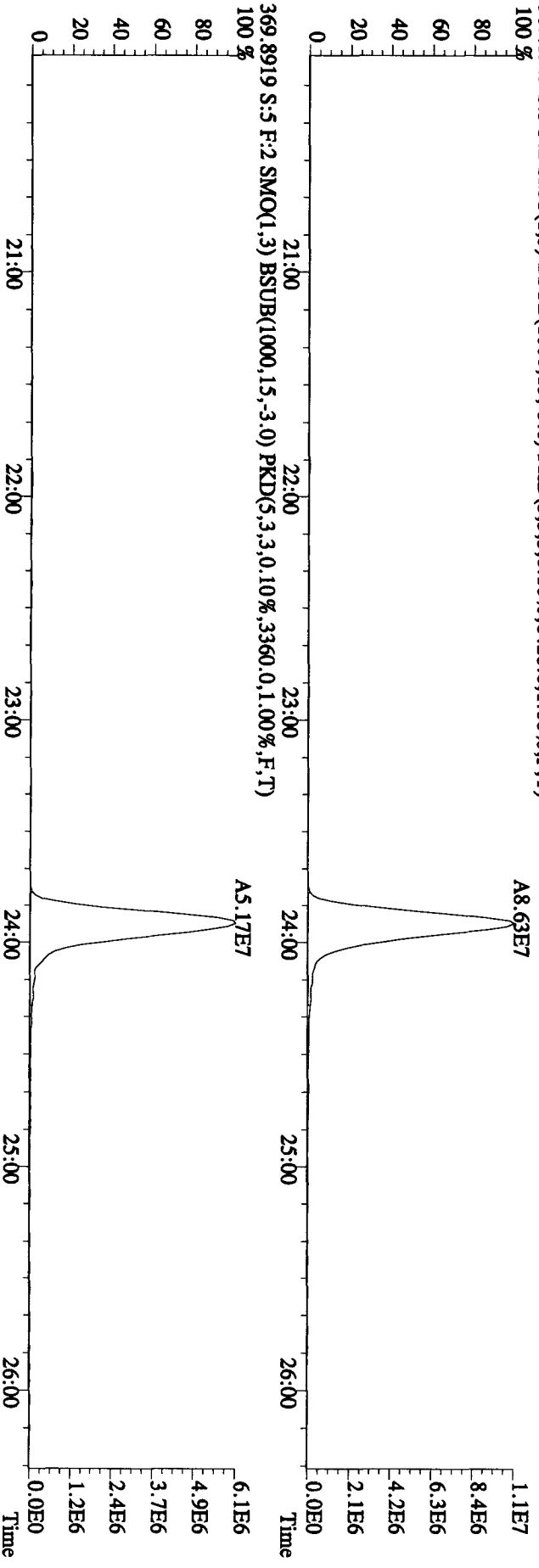
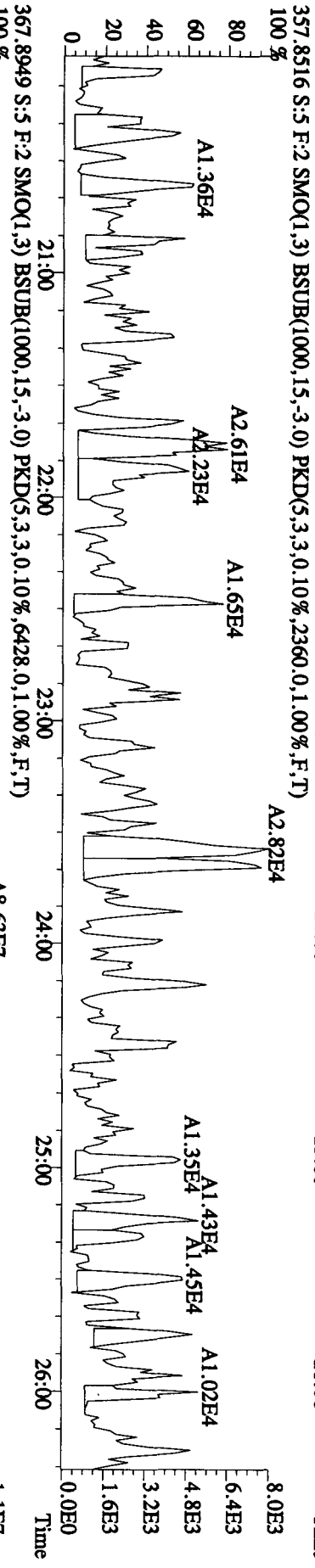
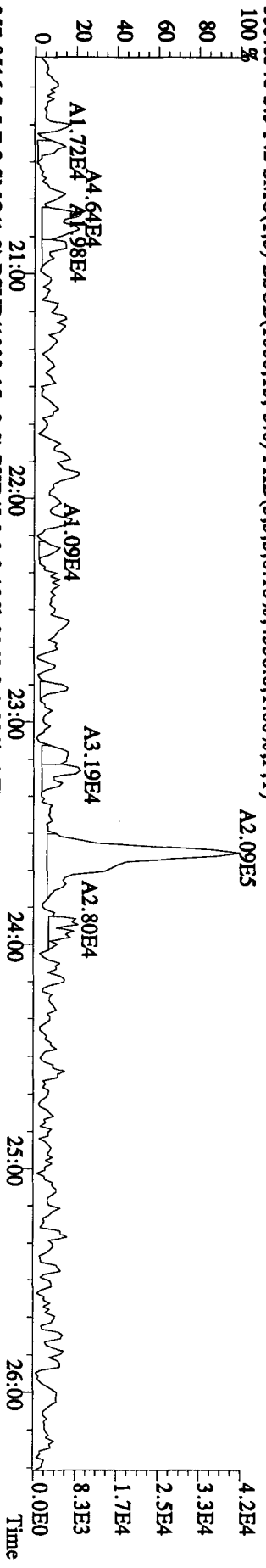
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample5 Text:LX85A-1-AA :G0D20000-455B Exp:DIOXIN
 339.8597 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3820,0,1,00%,F,T)

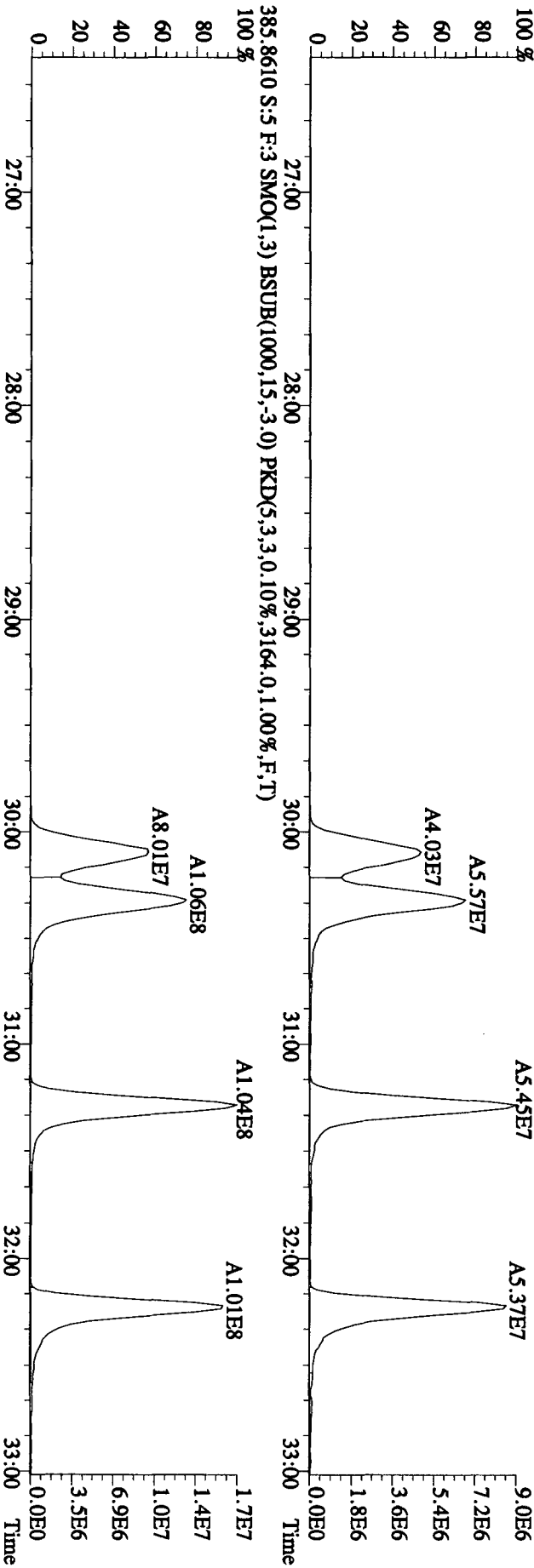
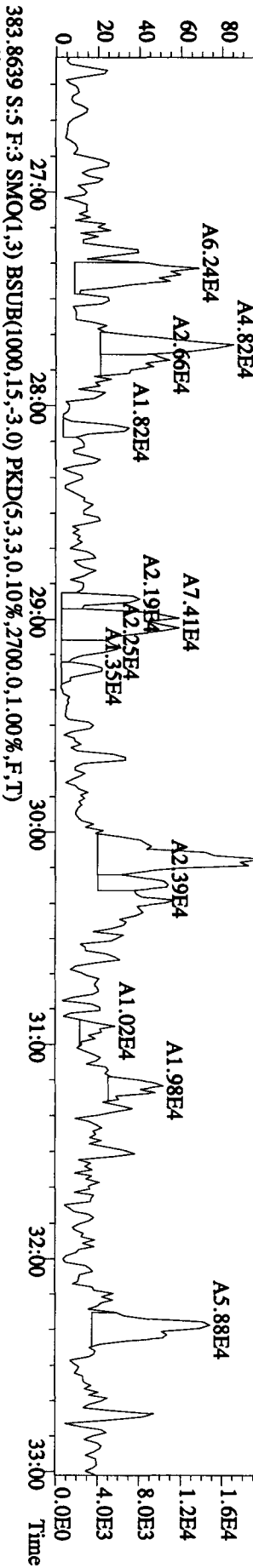
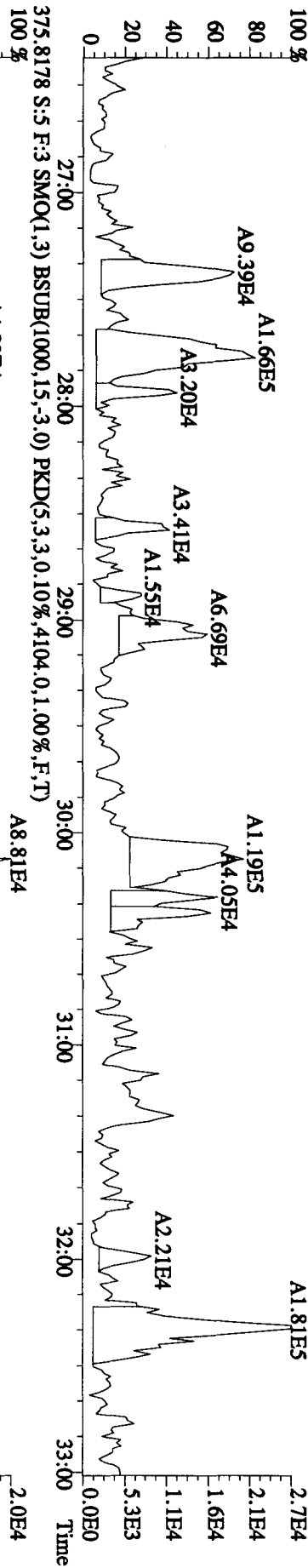


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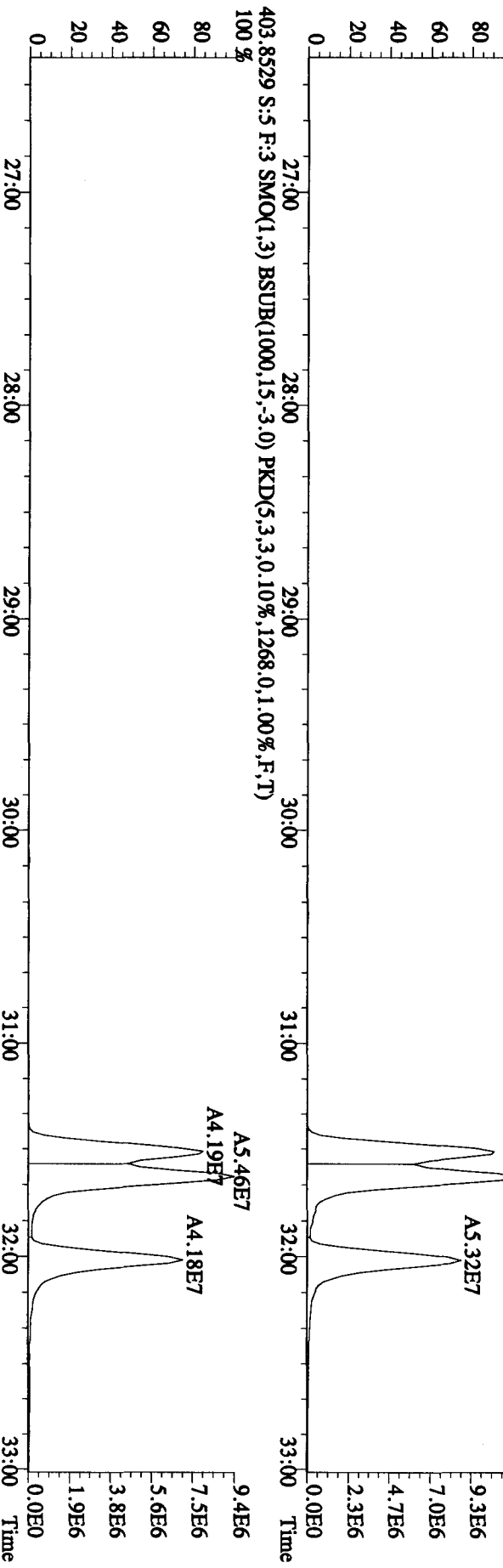
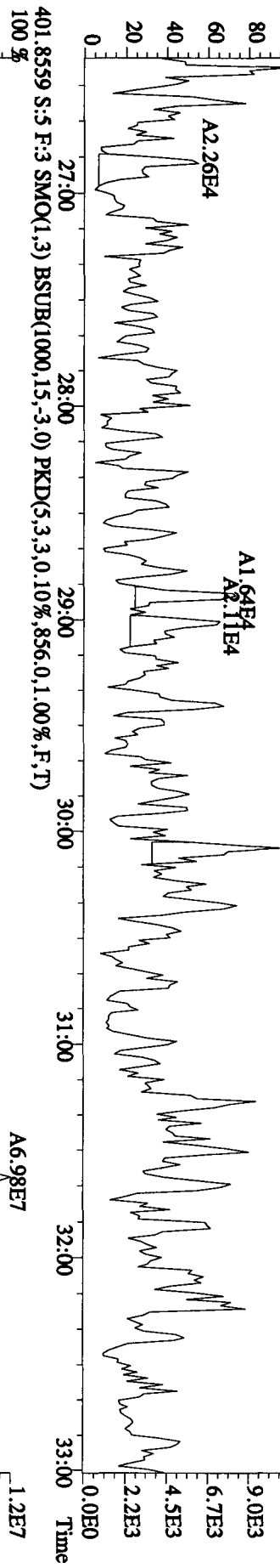
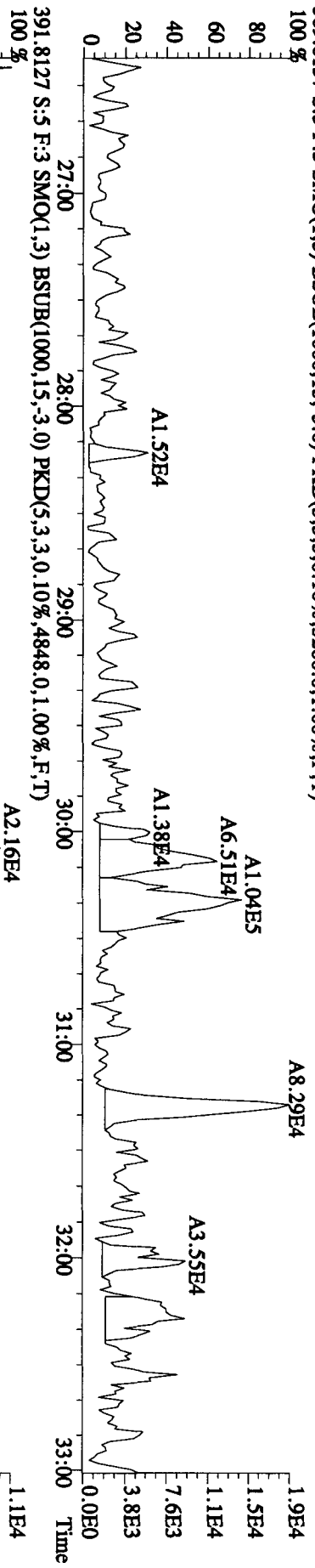
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN

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) 100%

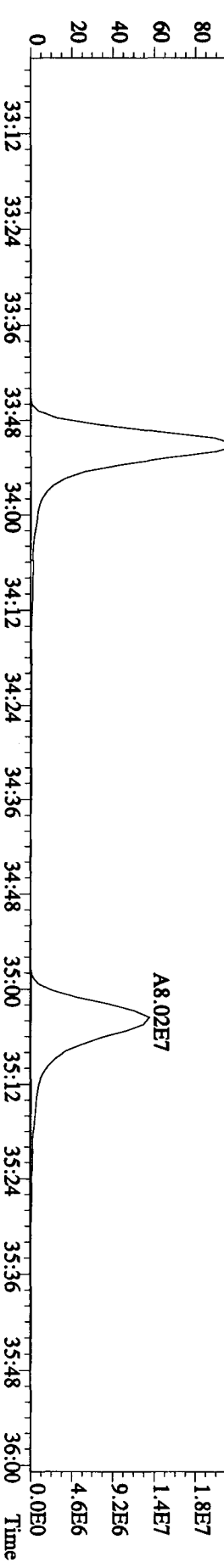
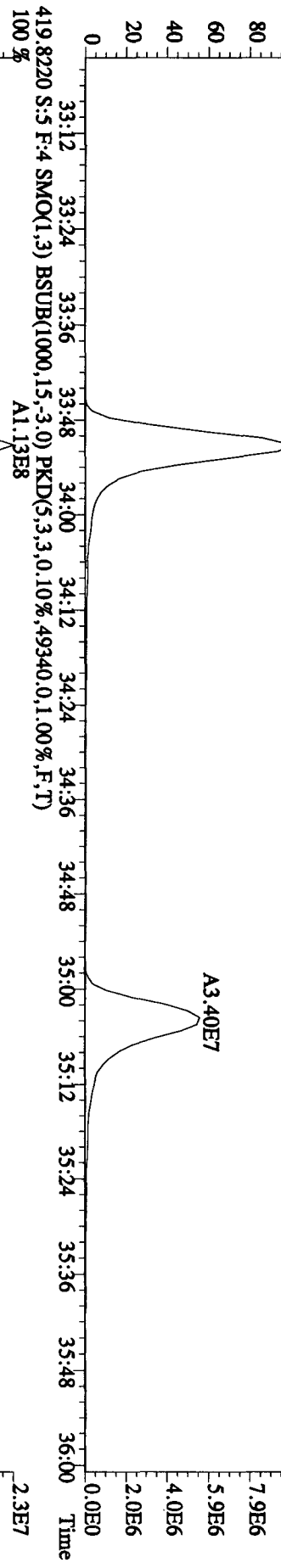
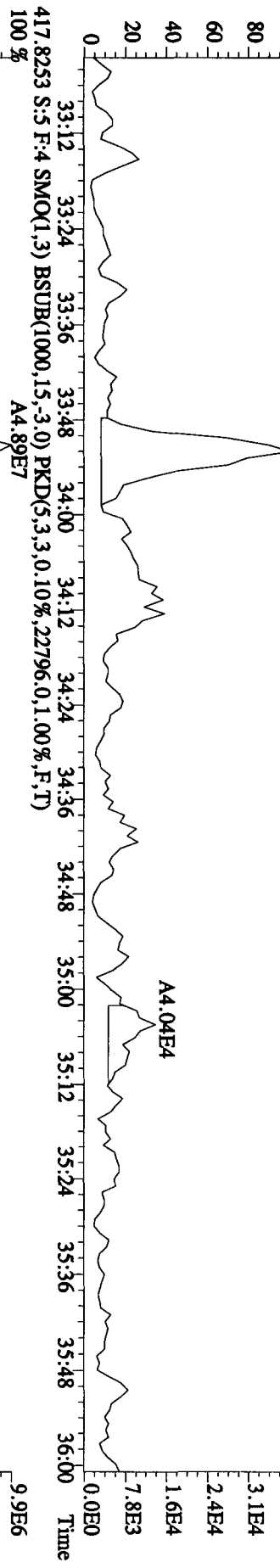
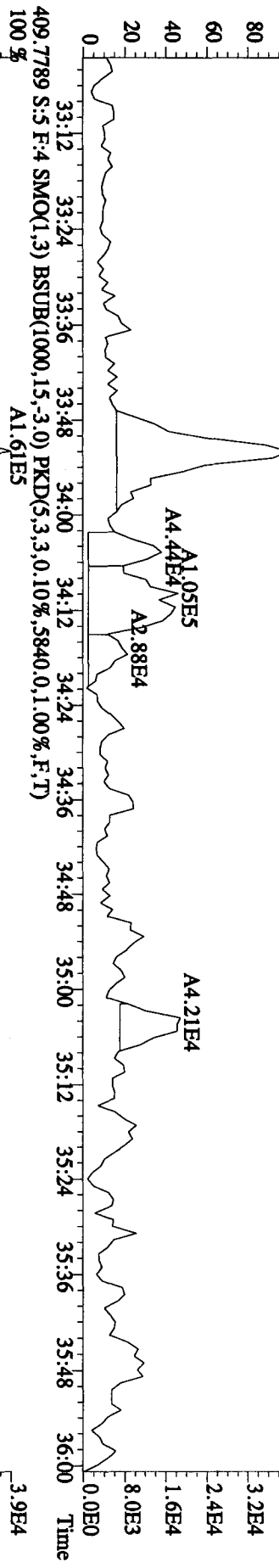




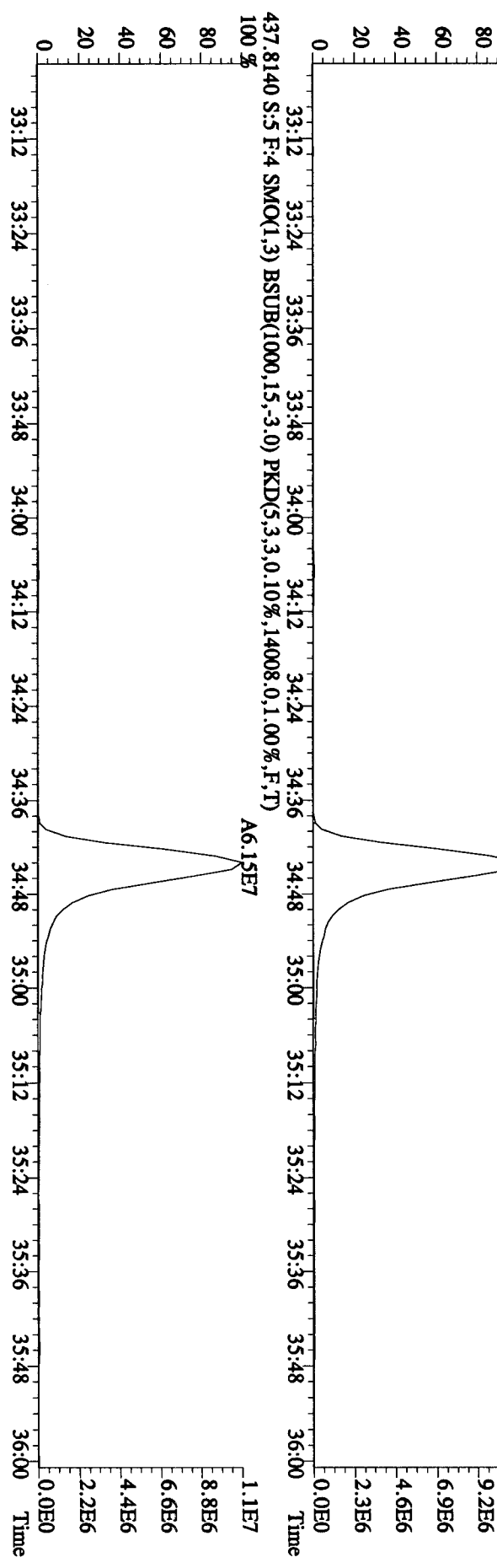
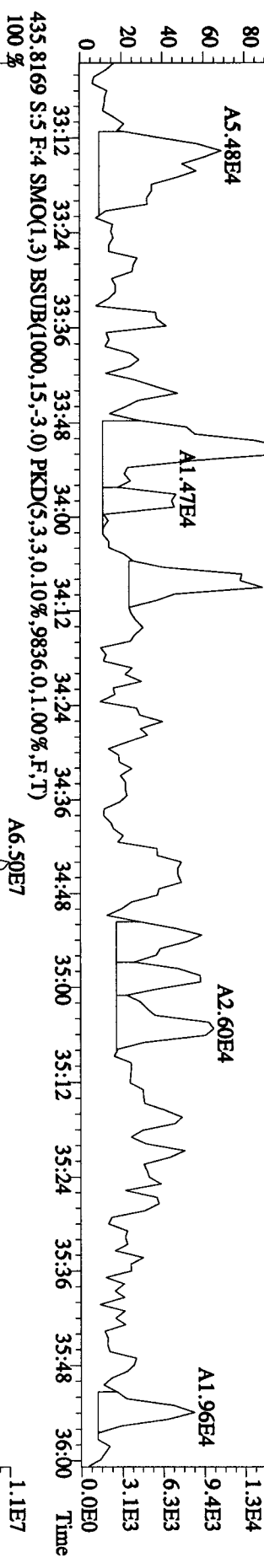
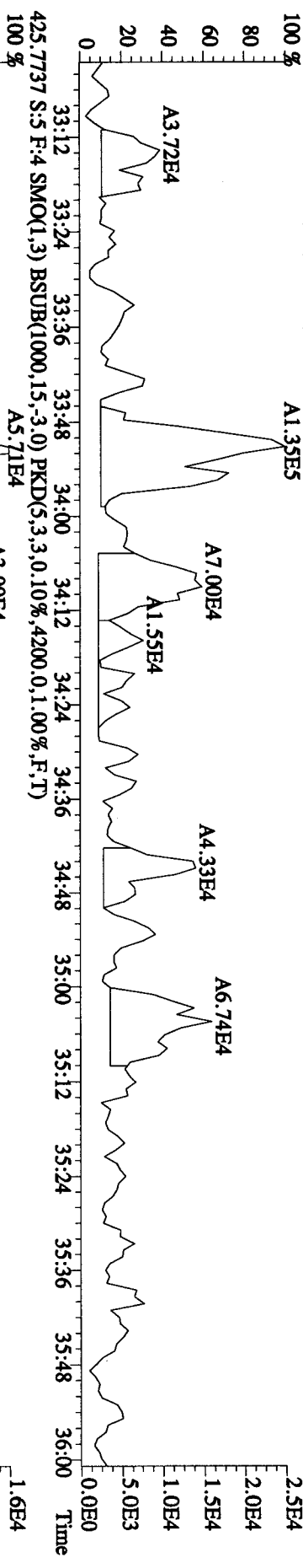
File:26AP10A1D5 #1-447 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE
 Sample#5 Text:LX85A-1-AA :GDD20000-455B Exp:DIOXIN
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3280,0.1,00%,F,T)



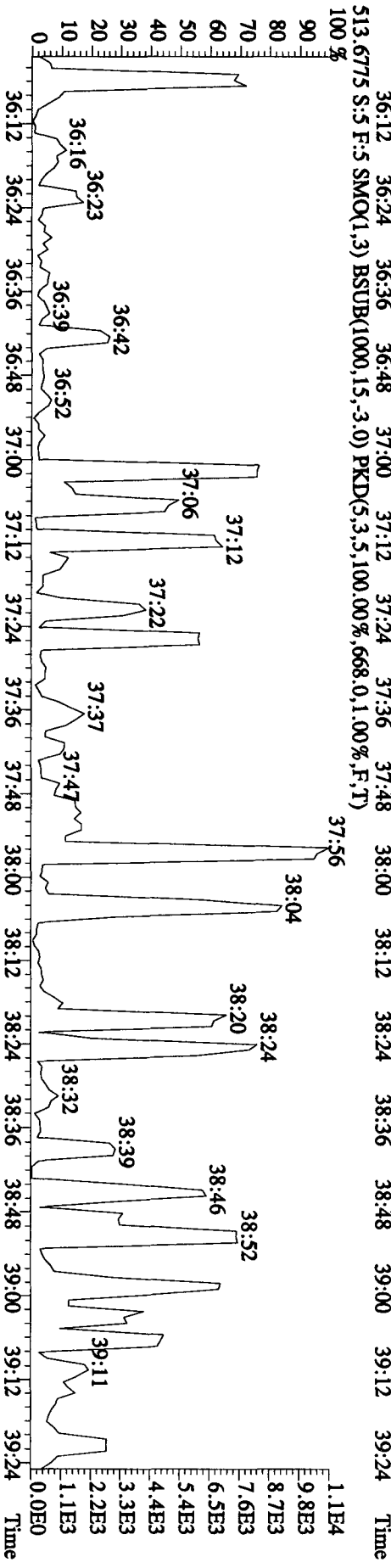
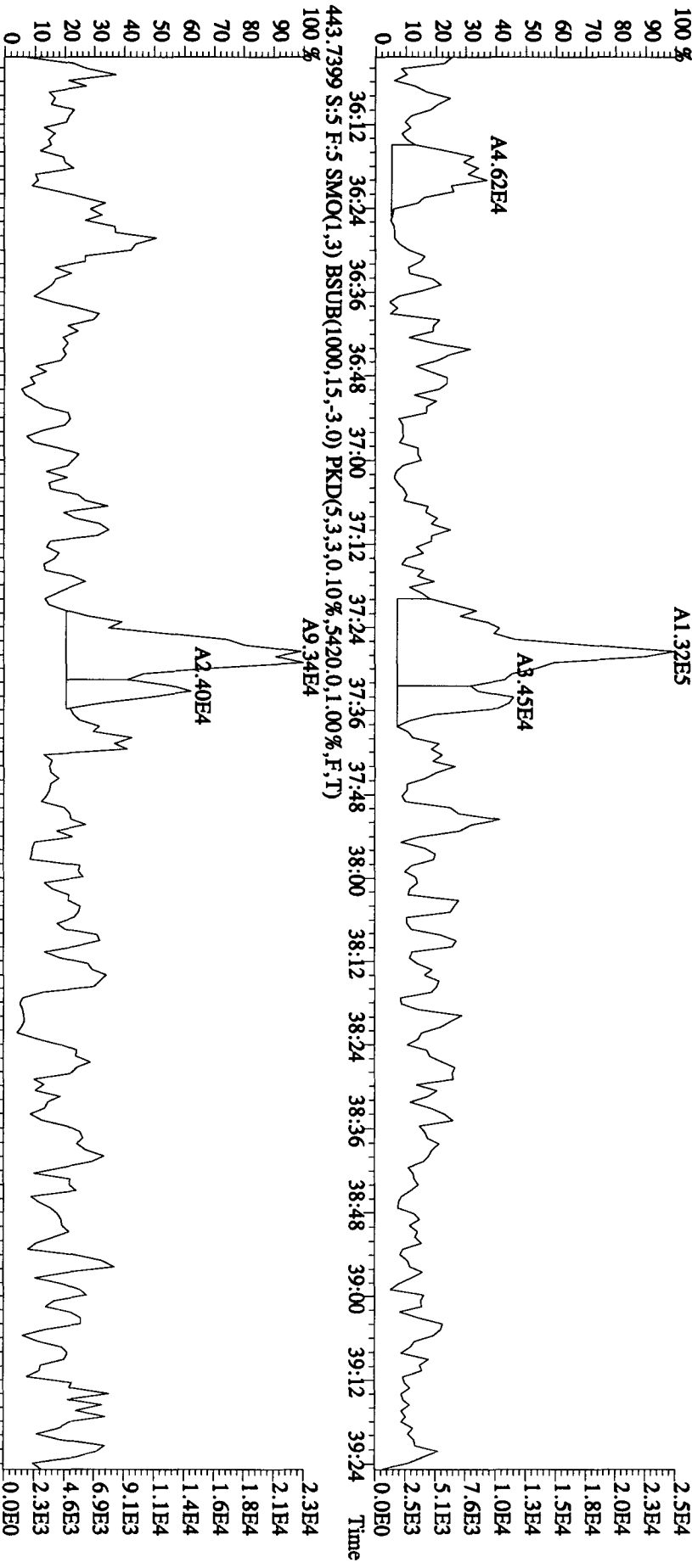
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6544,0.1,00%,F,T)
100%



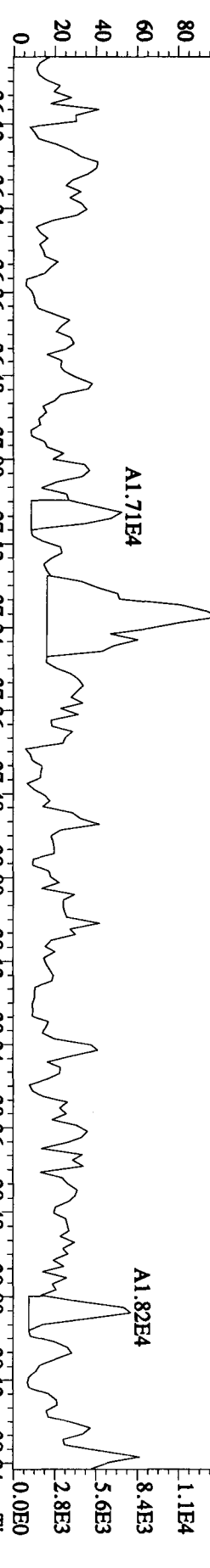
File:26AP10AID5 #1-210 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text:LX85A-1-AA :GDD200000-455B Exp:DIOXIN
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5172.0,1.00%,F,T)
 100 %



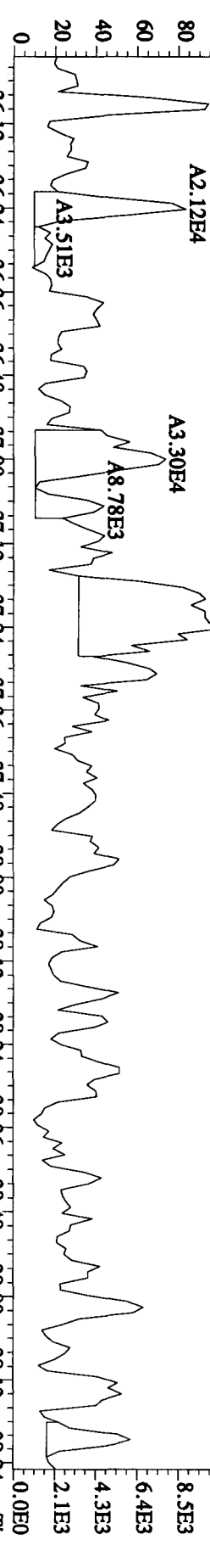
File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,4480.0,1.00%,F,T)
 100% A1.32E5



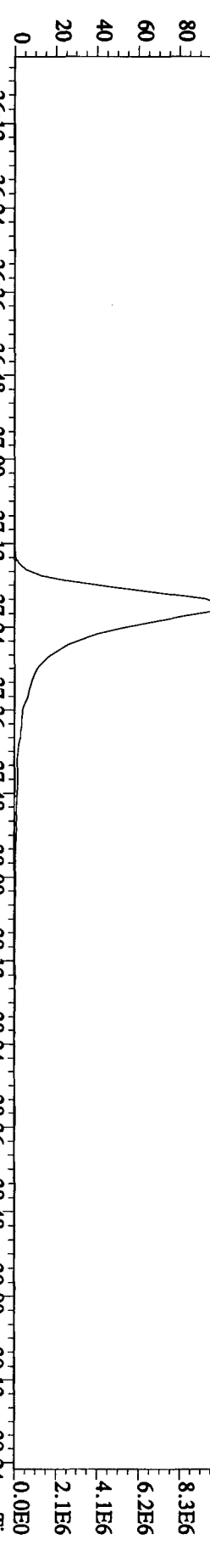
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484,0.1,00%,F,T)
100%



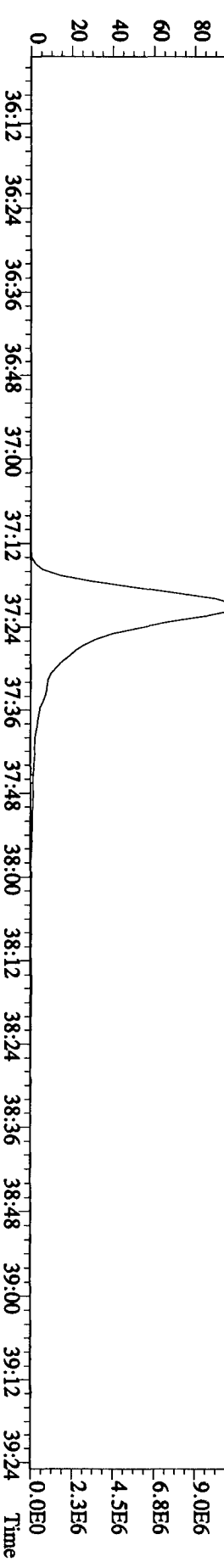
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3492,0.1,00%,F,T)
100%

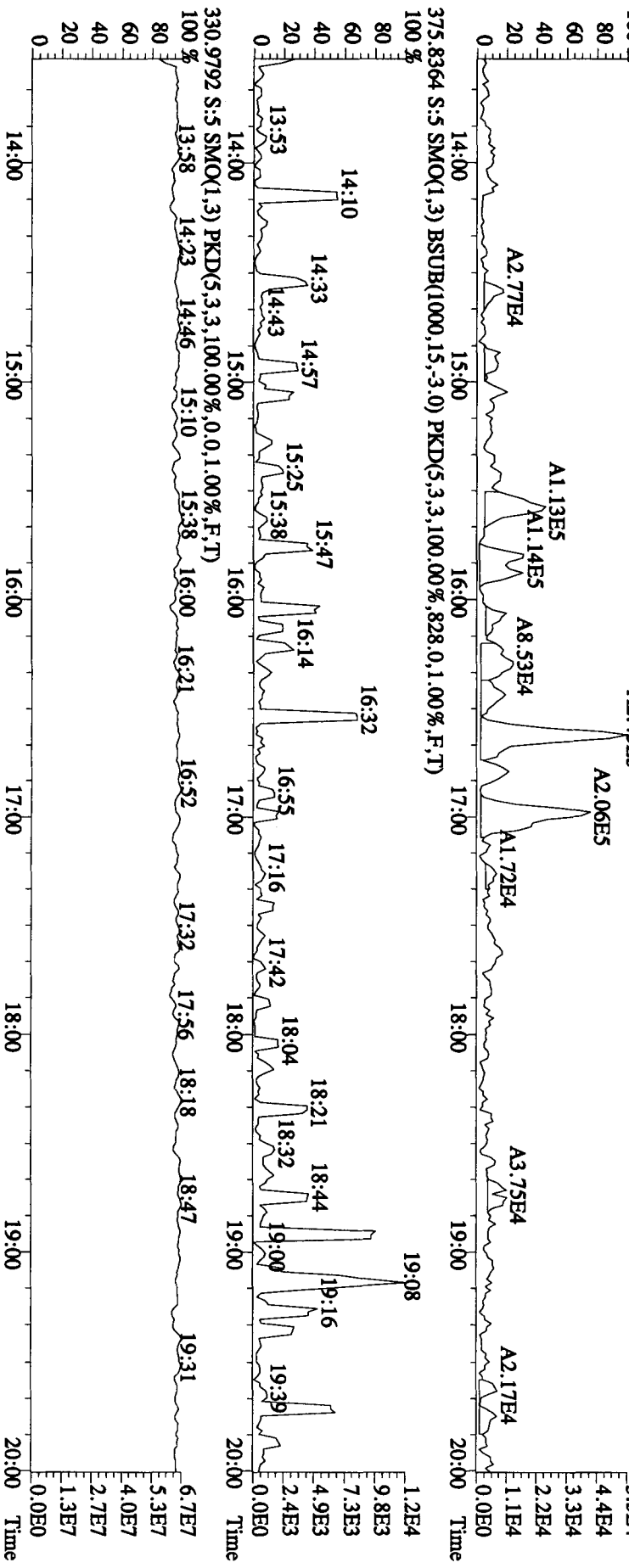
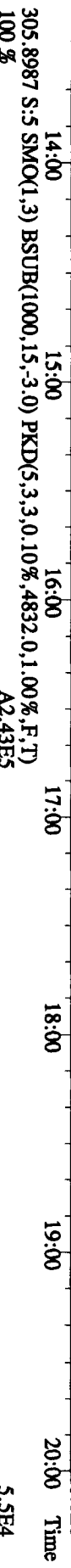
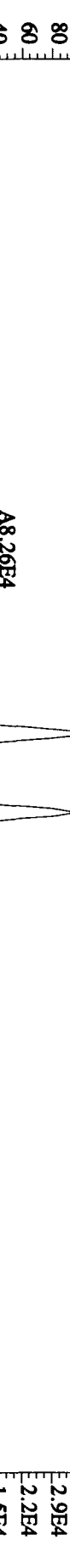
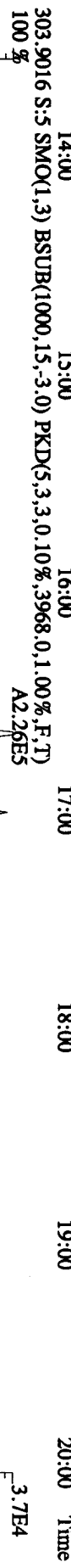
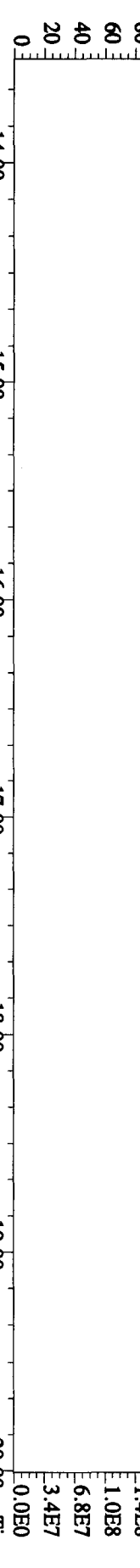


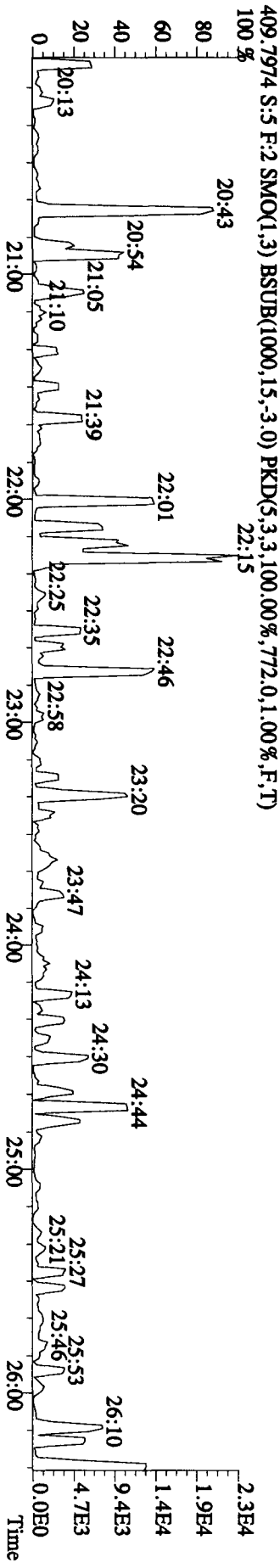
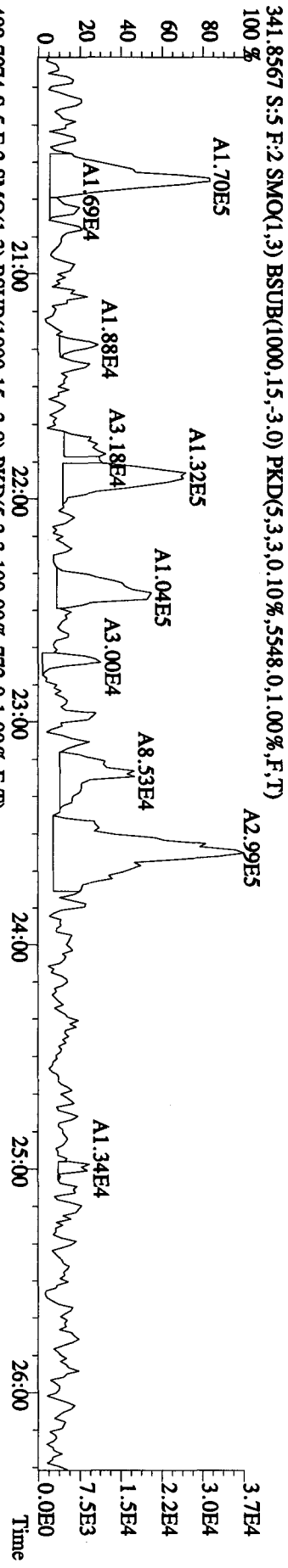
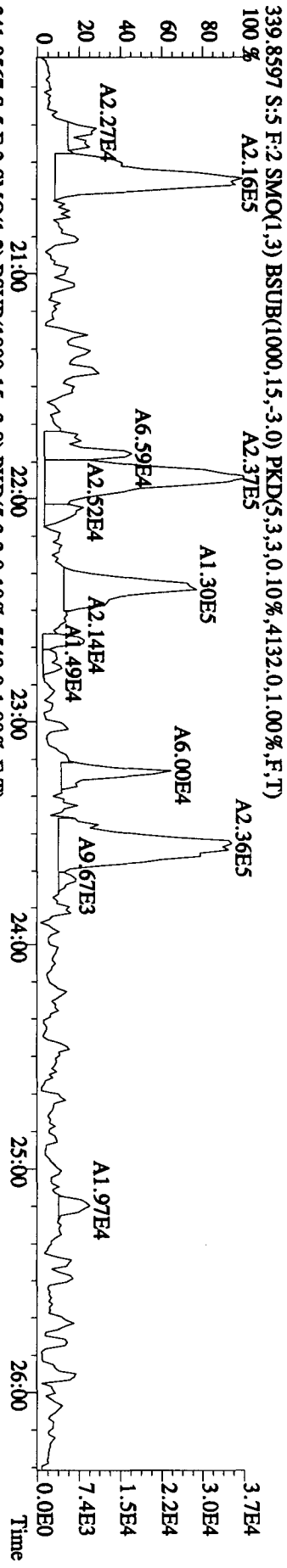
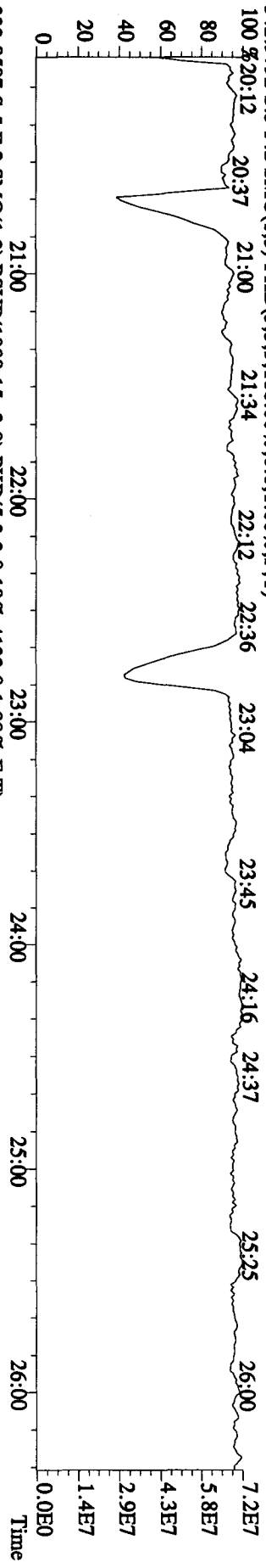
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16556,0.1,00%,F,T)
100%



471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16792,0.1,00%,F,T)
100%

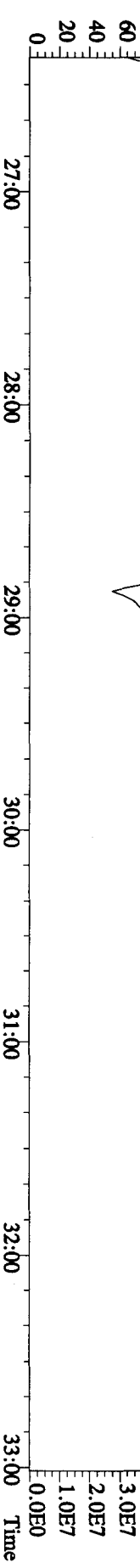
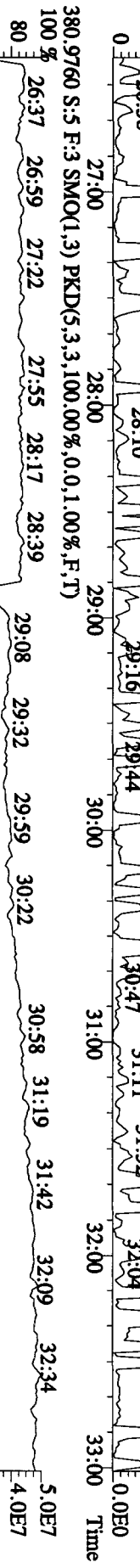
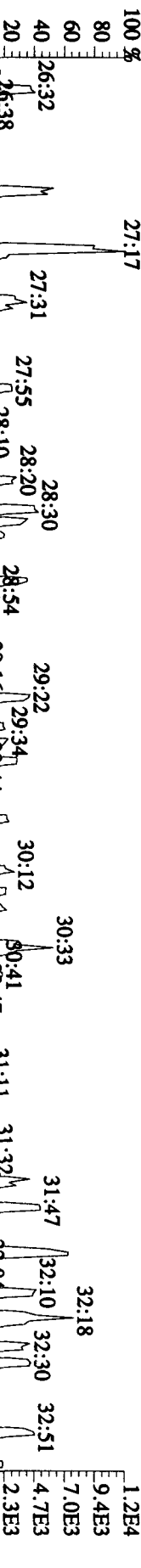
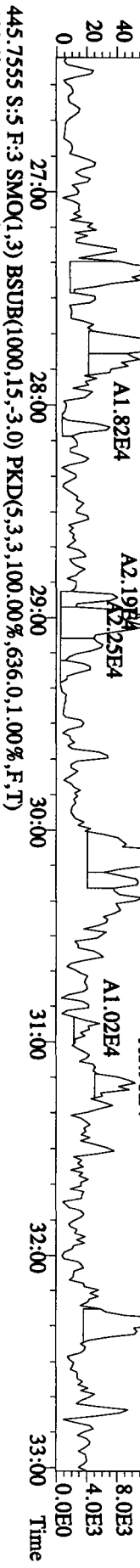
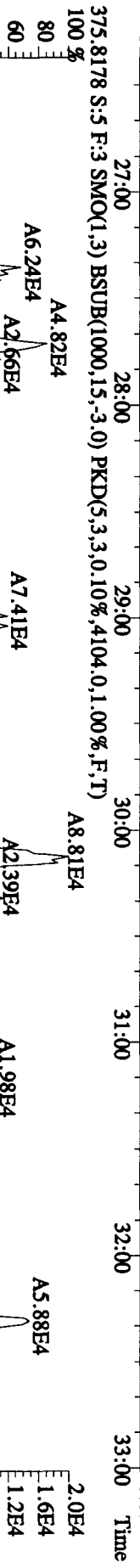
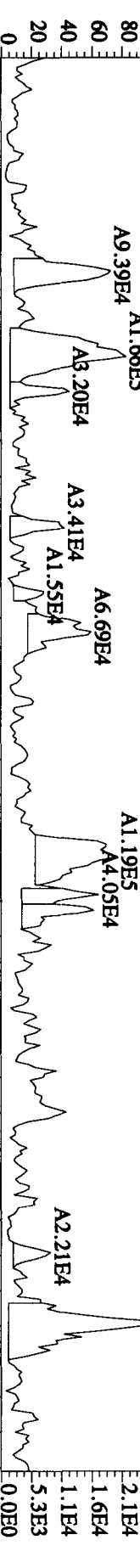
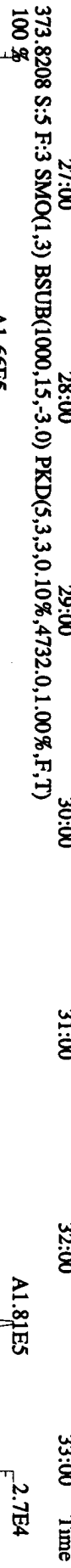
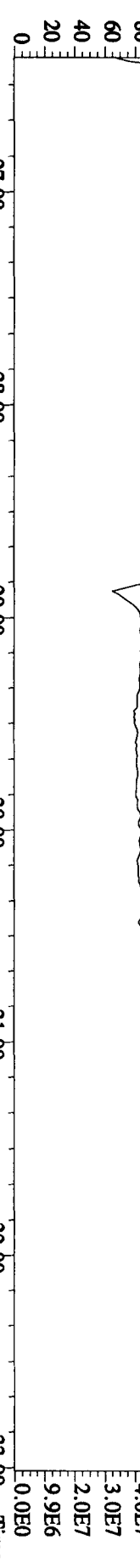






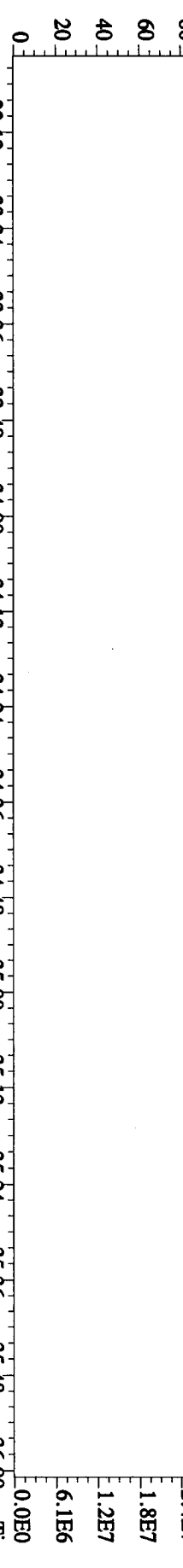
Sample#5 Text:LX85A-1-AA :GOD200000-455B Exp:DIOXIN

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

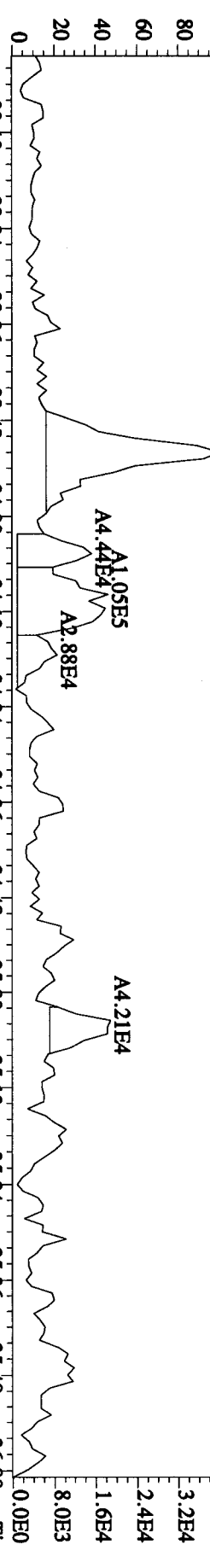


Sample#5 Text: LX85A-1-AA :GDD200000-455B Exp: DIOXIN

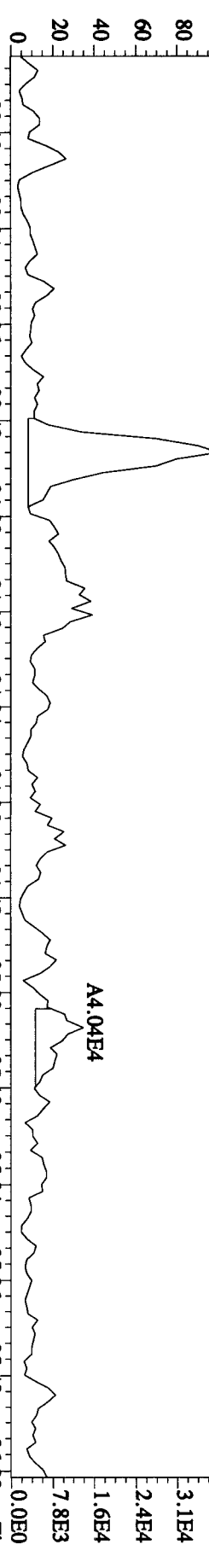
430.9728 S.S.F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)



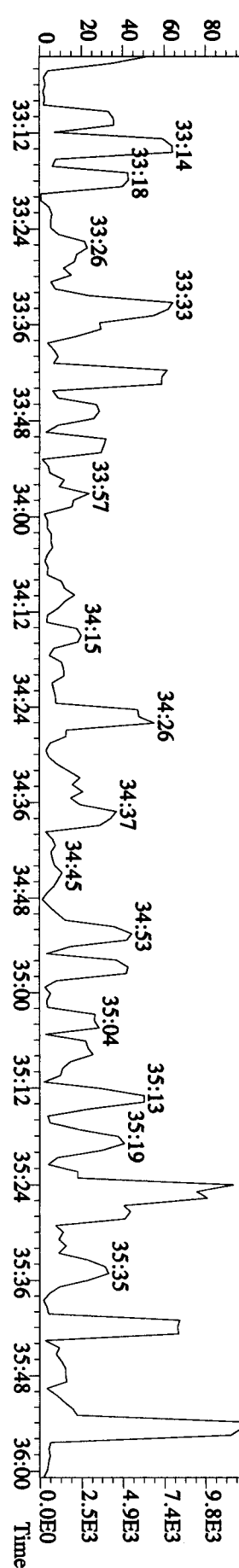
407.7818 S.S.F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6544.0,1.00%,F,T)



409.7789 S.S.F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5840.0,1.00%,F,T)



479.7165 S.S.F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100.00%,1192.0,1.00%,F,T)

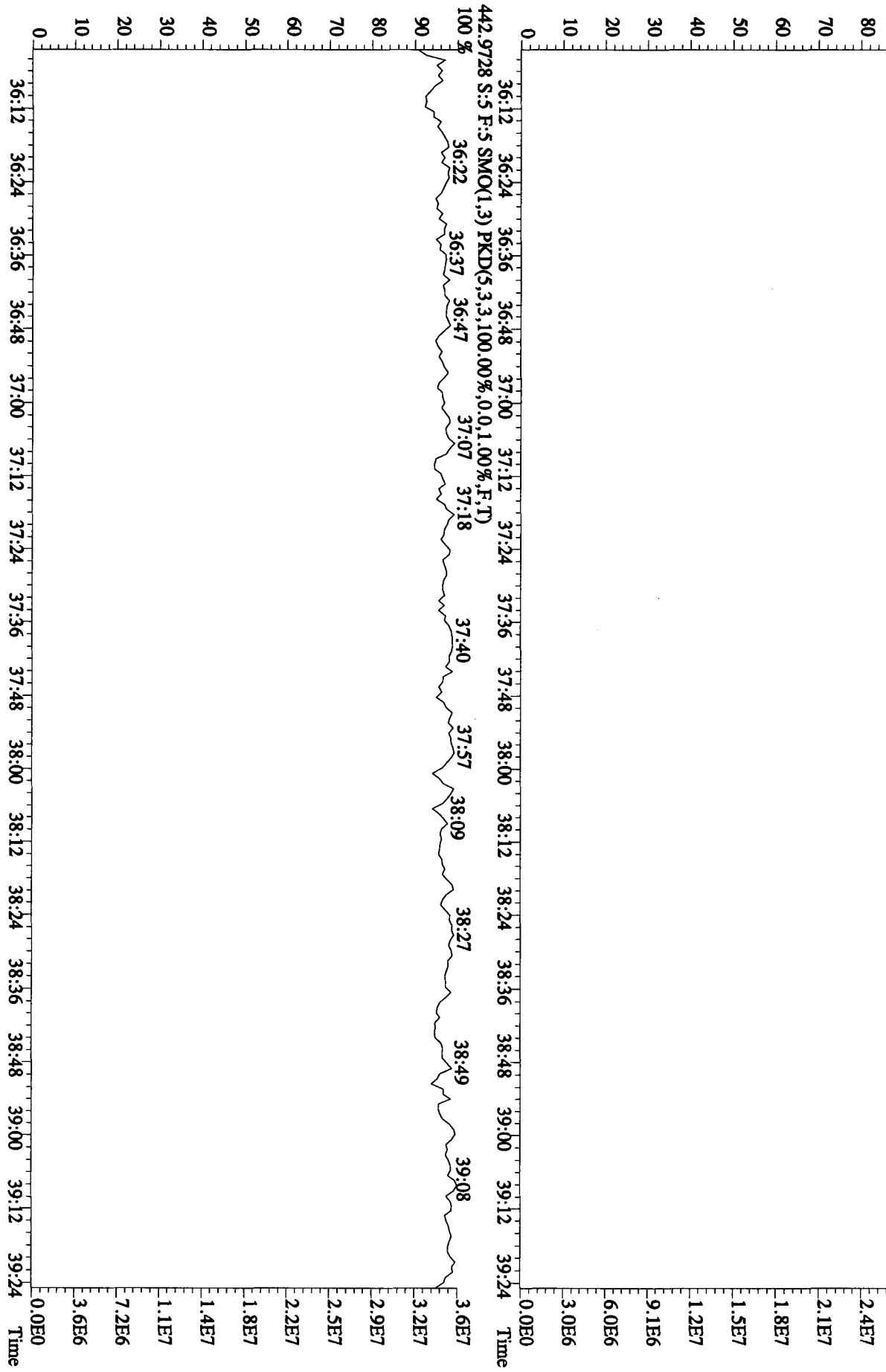


File:26AP10AID5 #1-244 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE

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

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

100 %

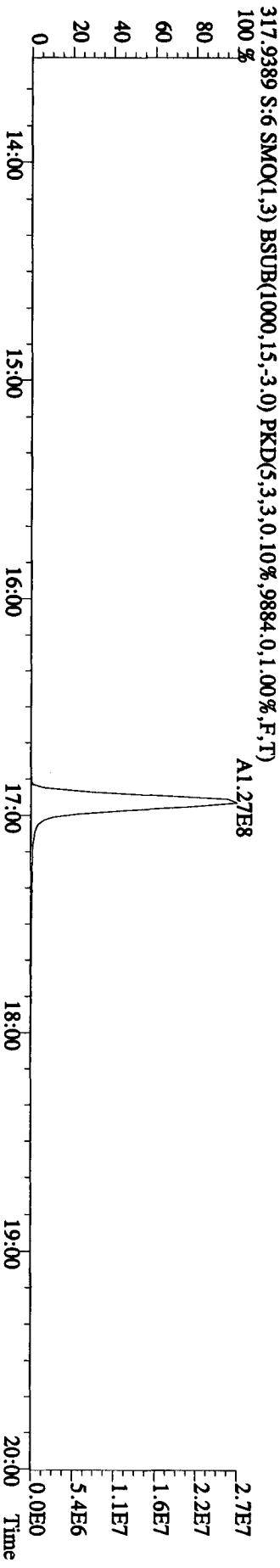
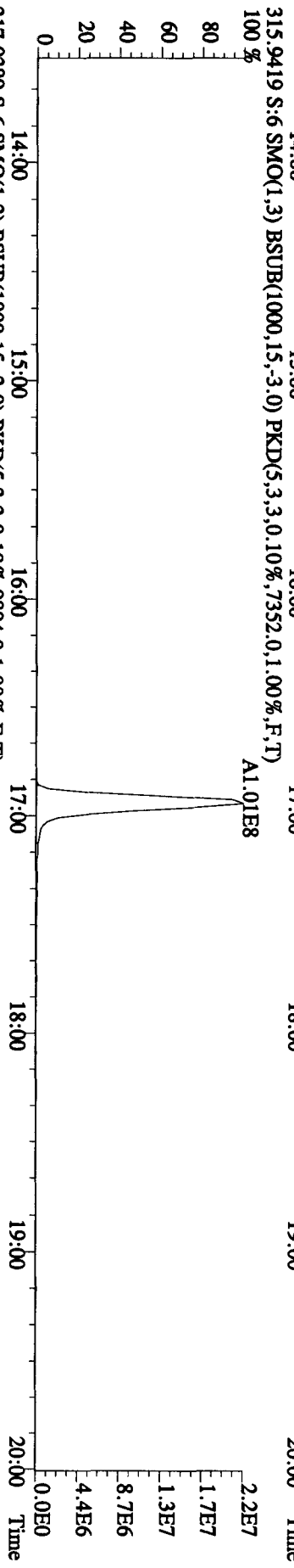
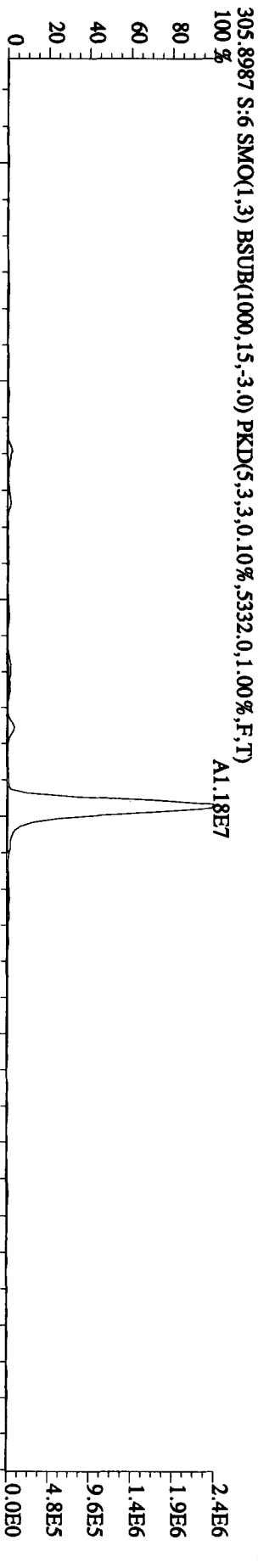
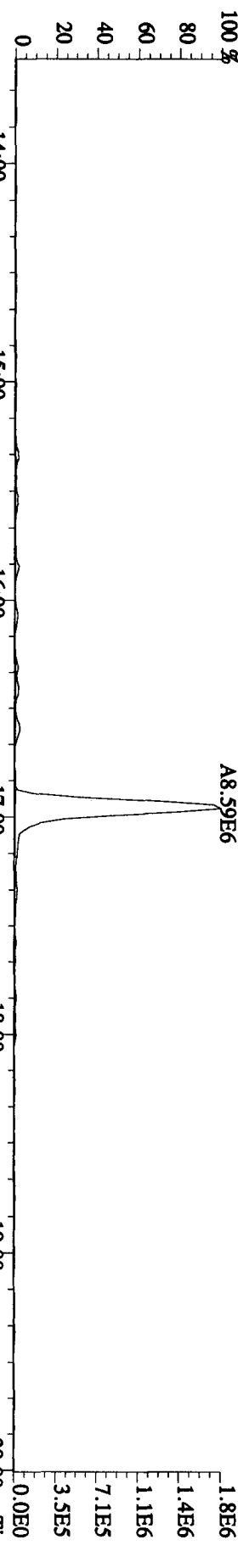


Run text: LX85A-1-AC Sample text: LX85A-1-AC :G0D200000-455C |
 Run #8 Filename: 26AP10A1D5 S: 6 I: 1 Results: 26AP10A1D58290
 Acquired: 26-APR-10 22:32:23 Processed: 27-APR-10 10:17:34
 Run: 26AP10A1D5 Analyte: 8290HRS Cal: 82901231091D5
 Sample size: 10.00 g

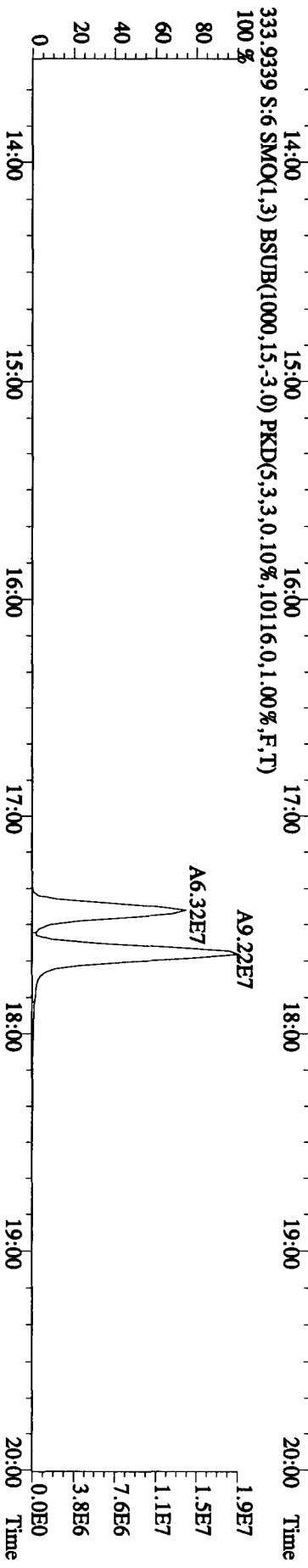
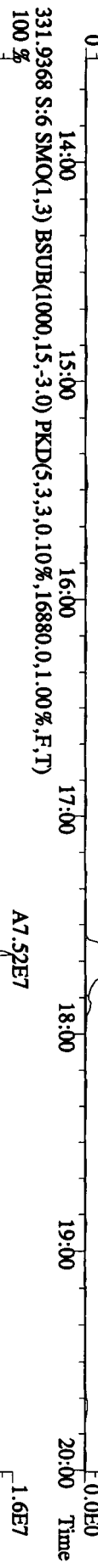
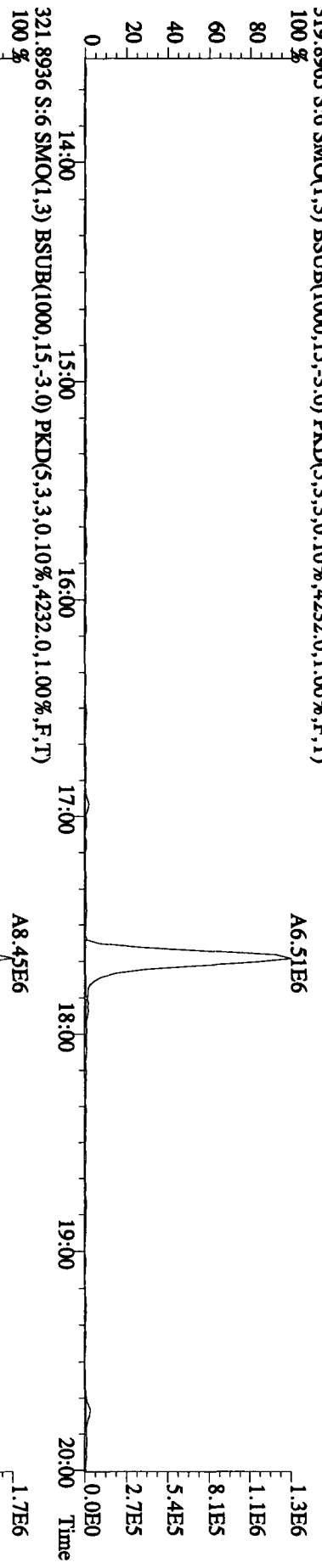
4/26
4/27/10
meo

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

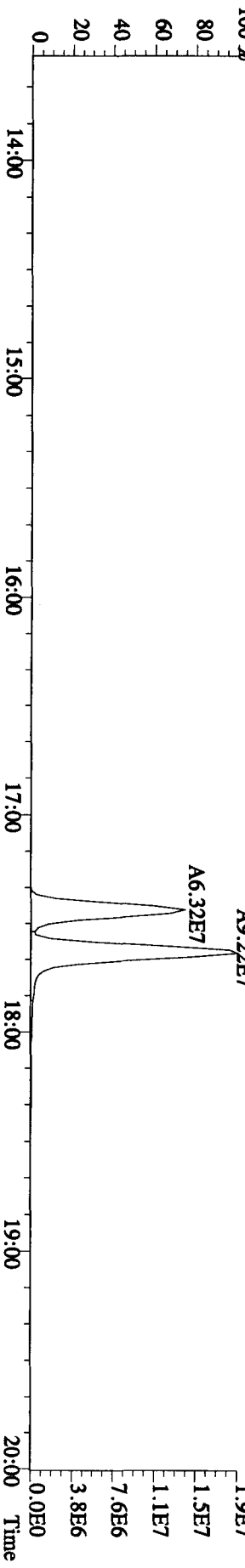
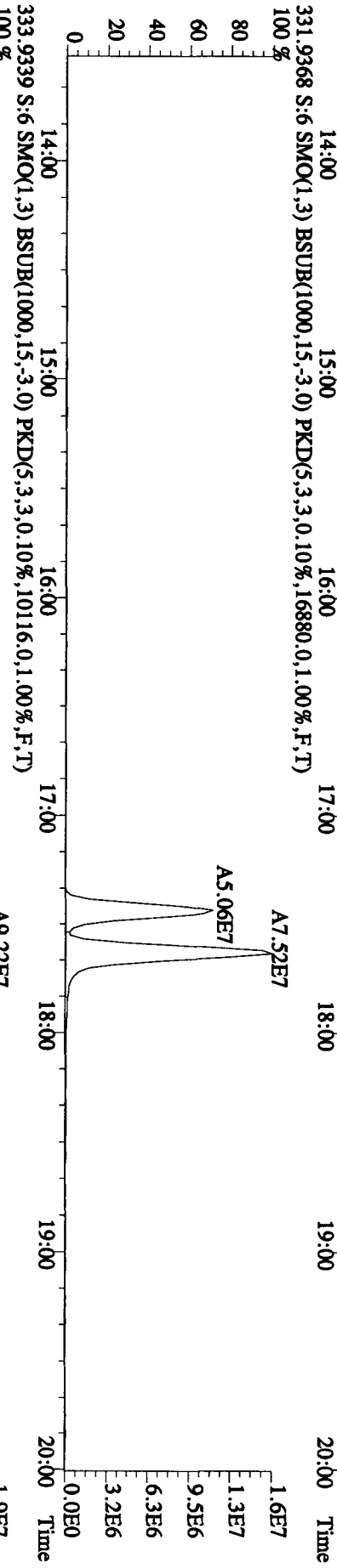
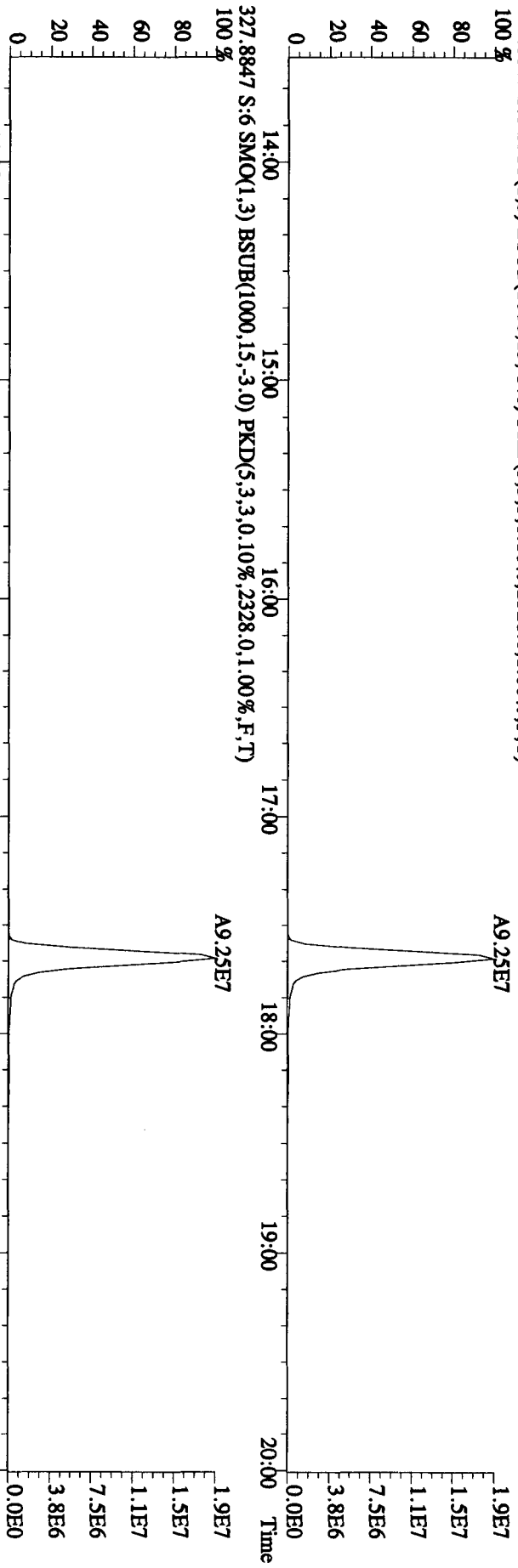
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE
 Sample#6 Text:IX85A-1-AC :G0D200000-455C Exp:DIOXIN
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5668,0,1,00%,F,T)
 100%



File: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
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4232.0,1.00%,F,T)
 100 %

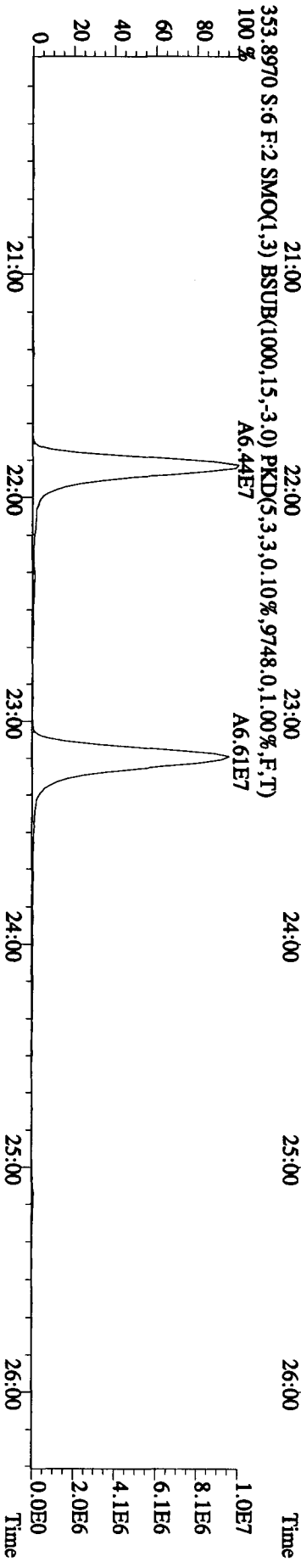
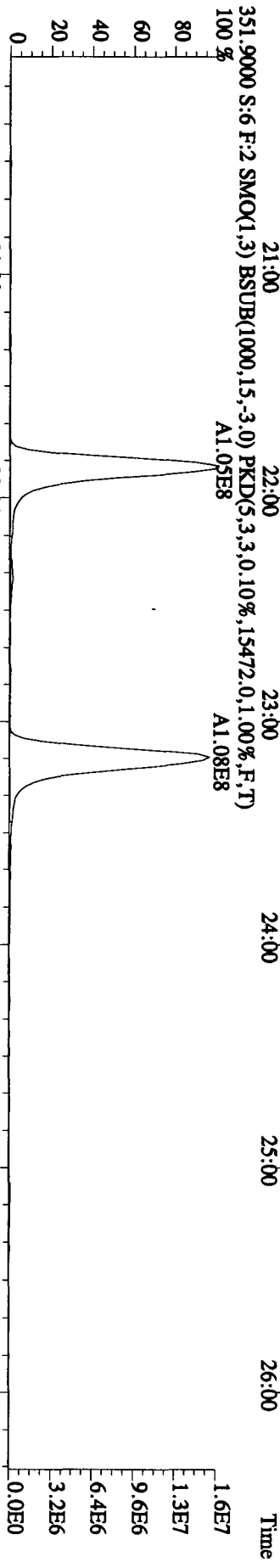
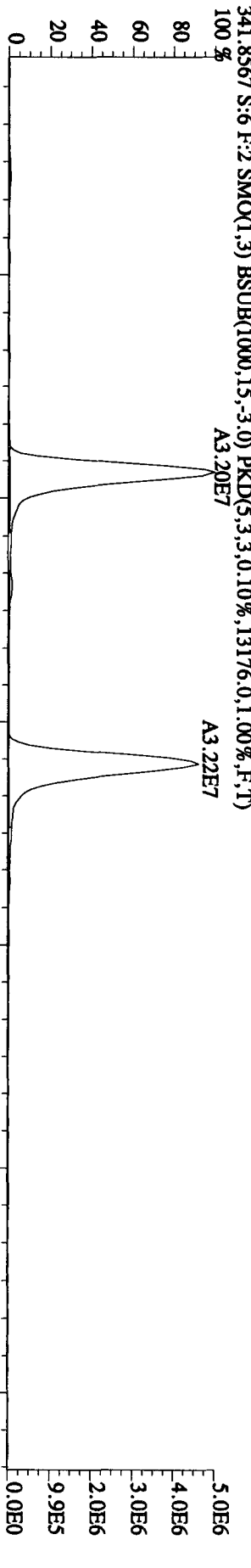
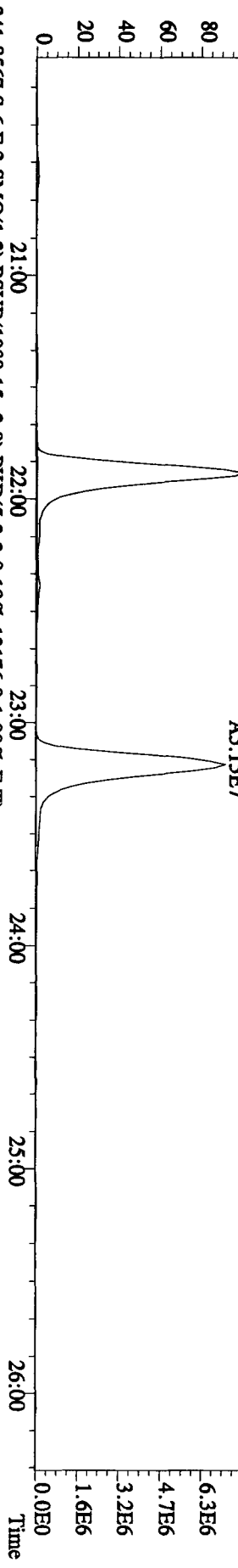


File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32.23 GC EI + Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2328.0,1.00%,F,T)
 100%

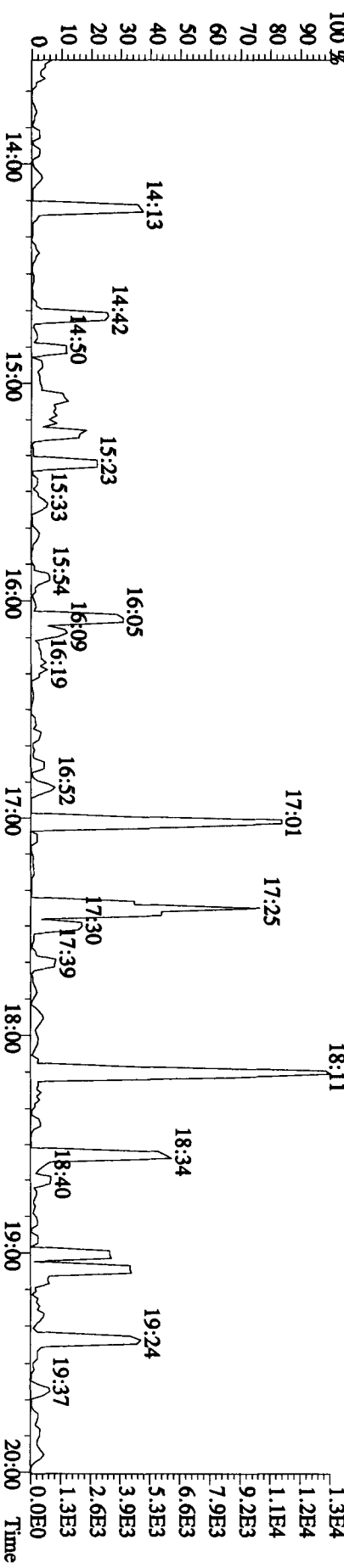
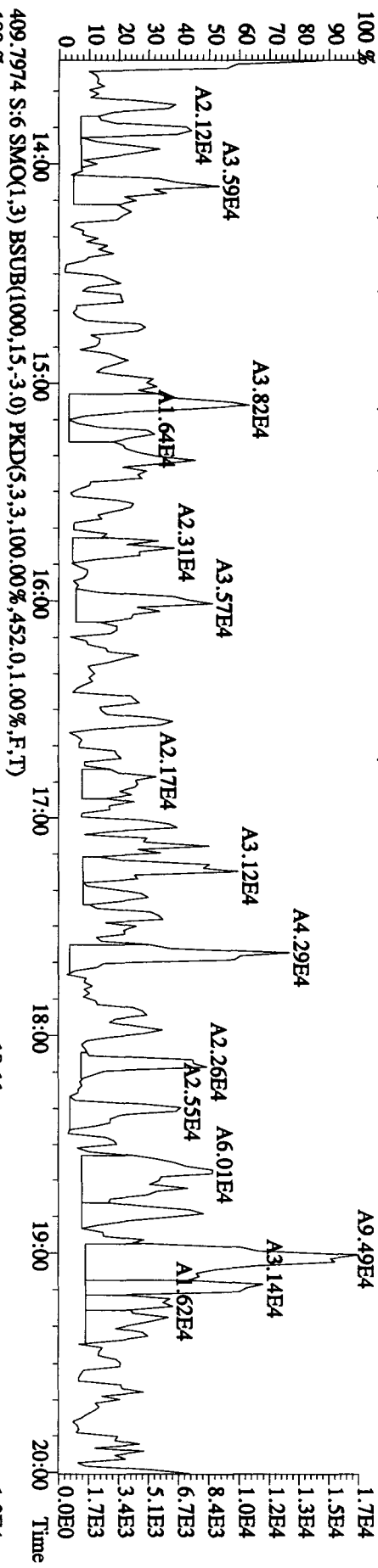
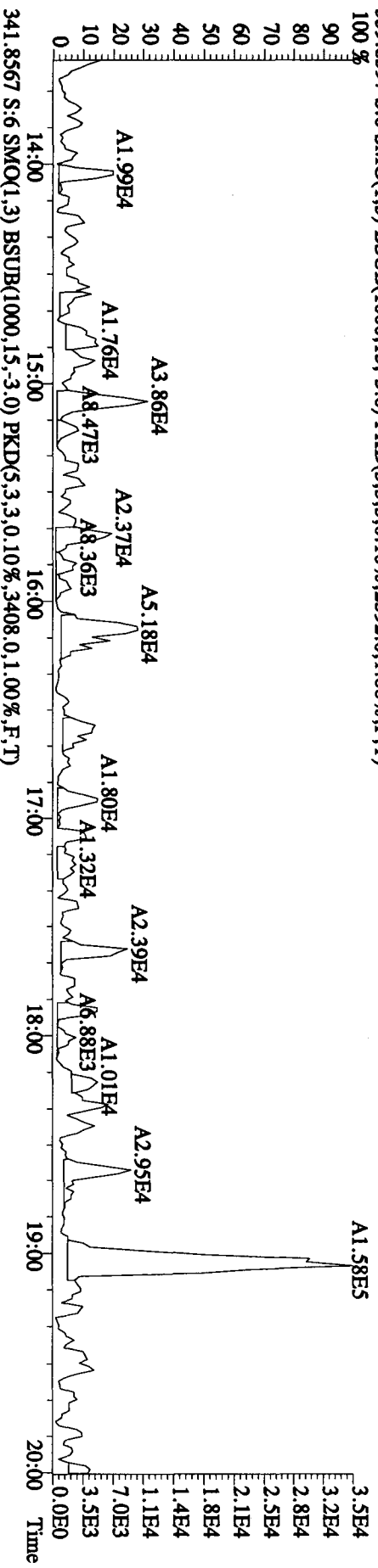


File:26AP10A1D5 #1-445 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE

Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN



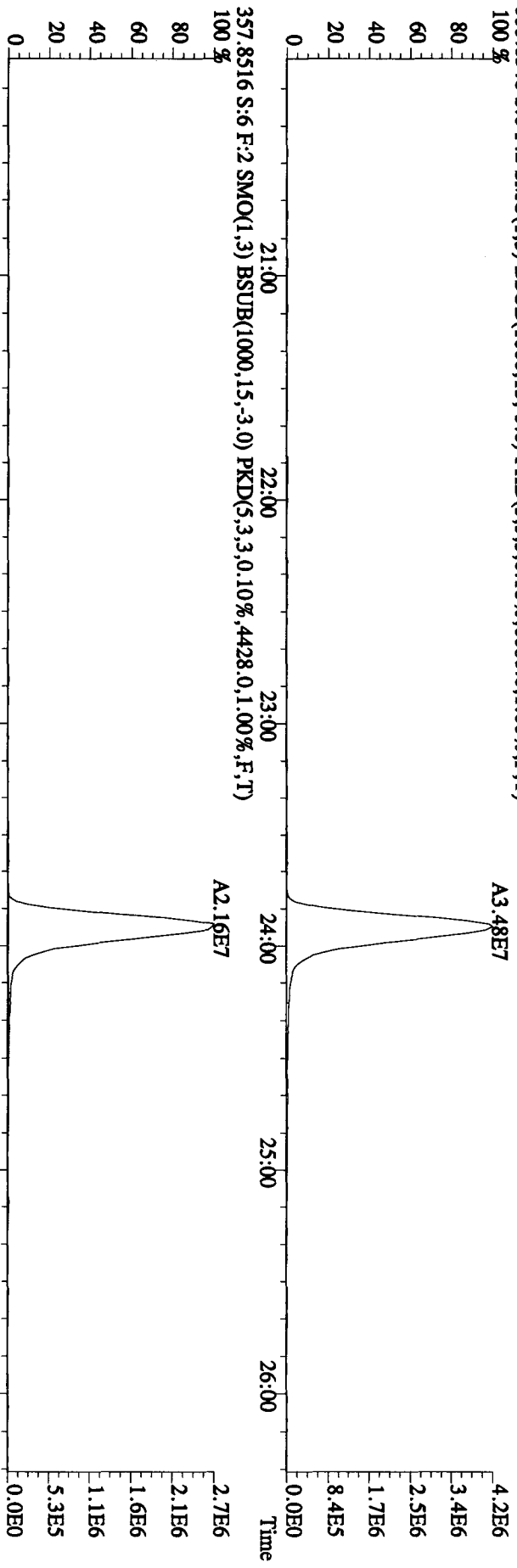
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE
 Sample#6 Text: LX85A-1-AC :GDD200000-455C Exp:DIOXIN
 339.8597 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



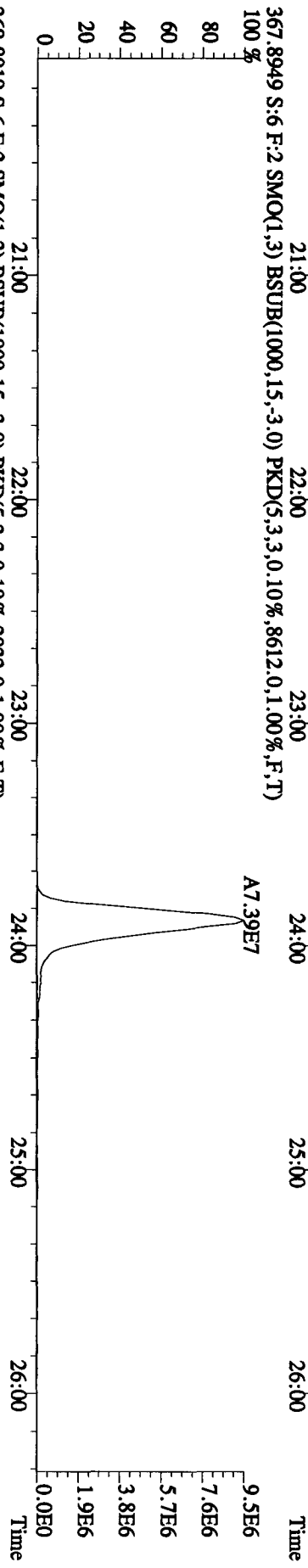
File:26AP10A1D5 #1-445 Acq:26-APR-2010 22:32.23 GC EI + Voltage SIR 70SE

Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN

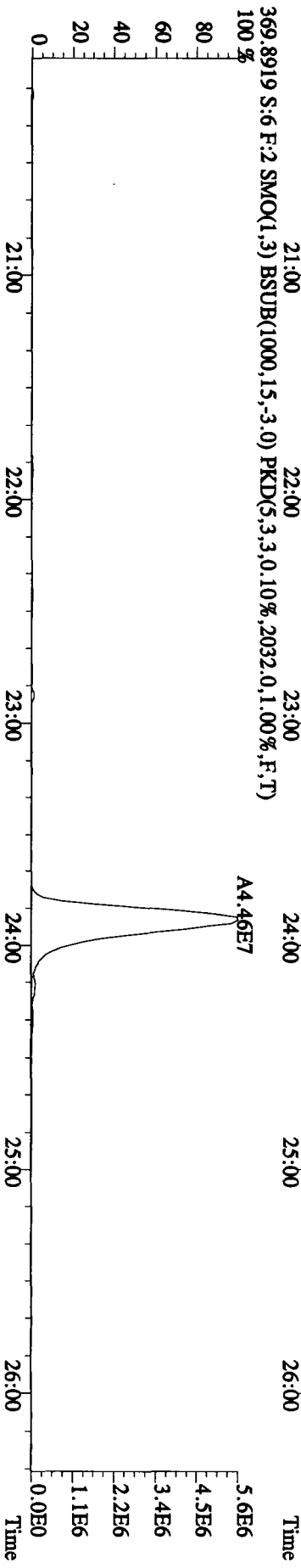
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6080,0,1,00%,F,T) 100%



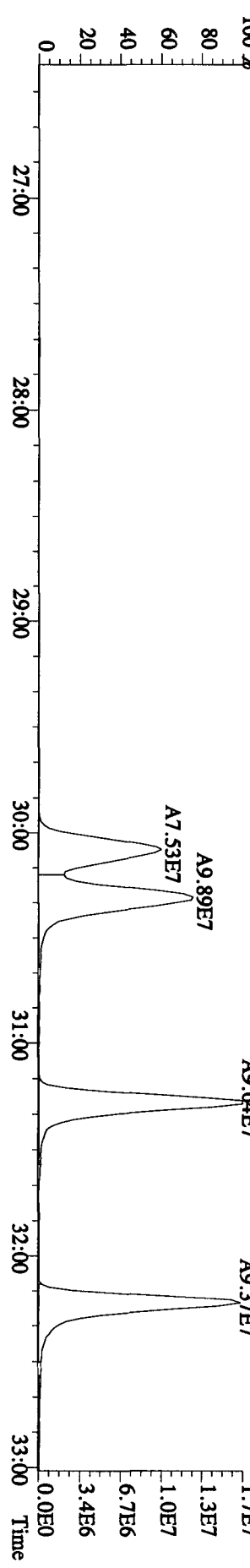
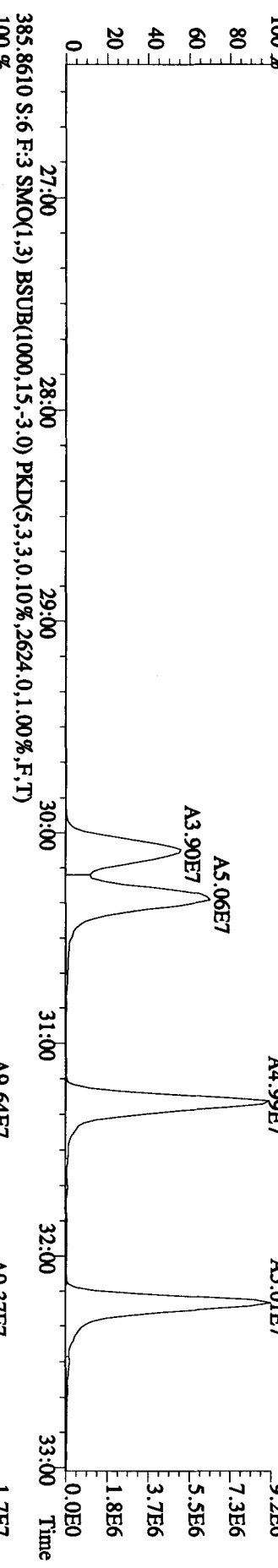
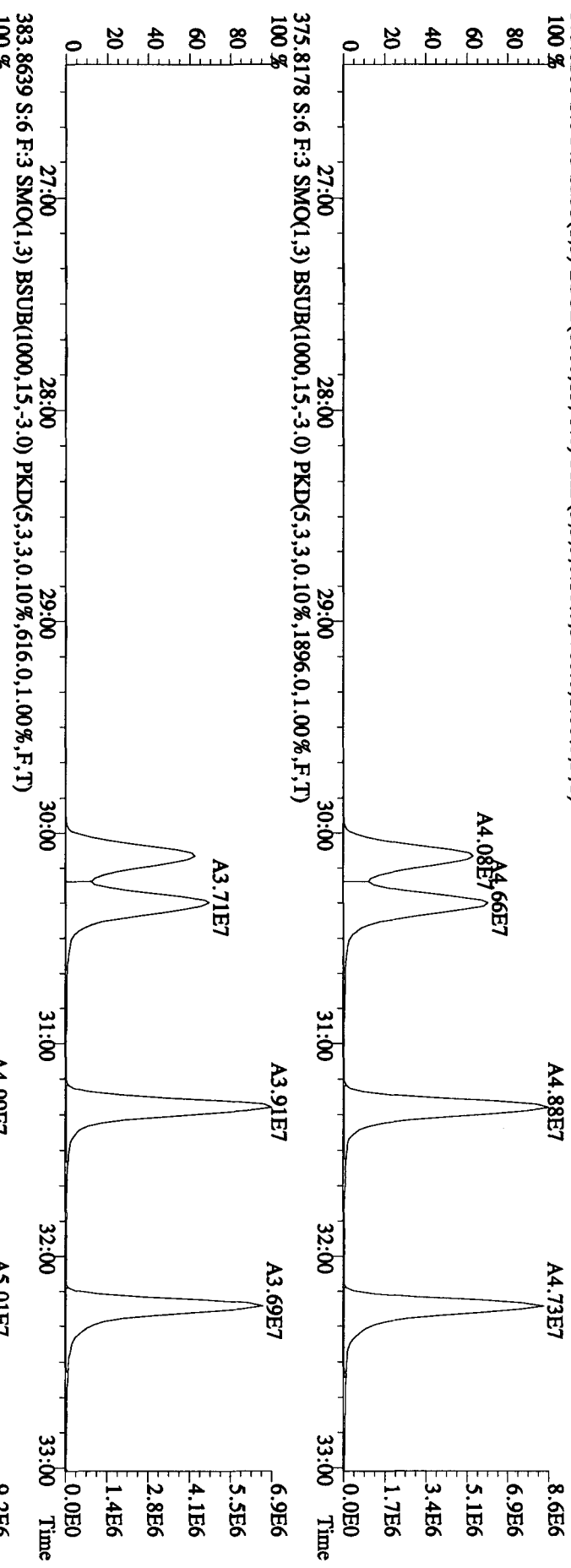
367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8612,0,1,00%,F,T) 100%



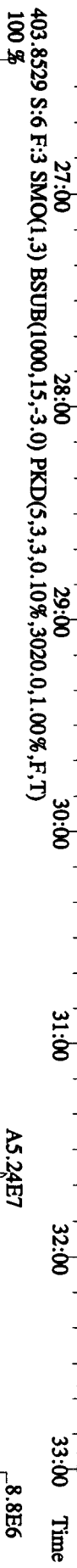
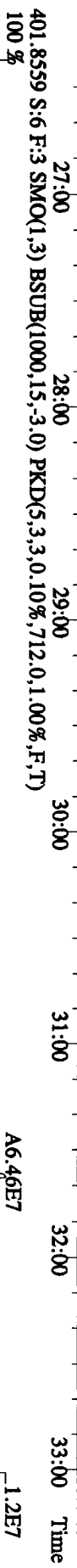
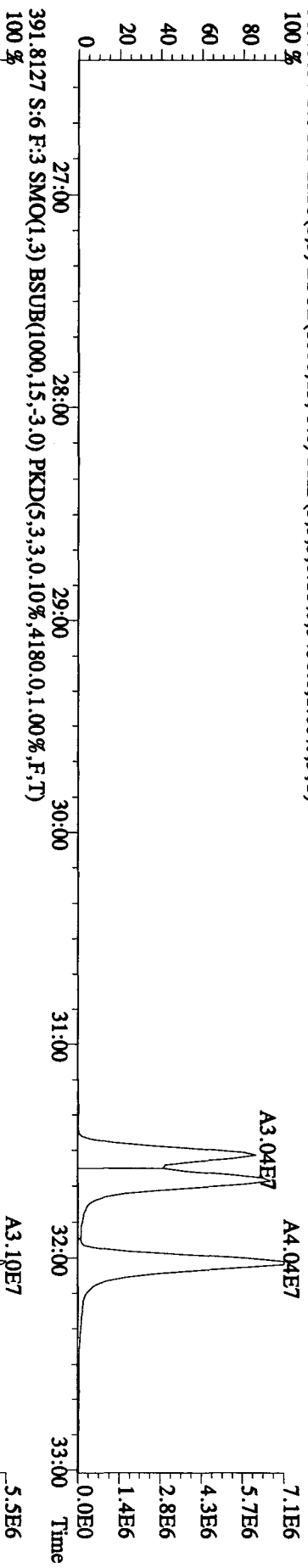
369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2032,0,1,00%,F,T) 100%



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
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896,0.1,0.00%,F,T)
 100 %



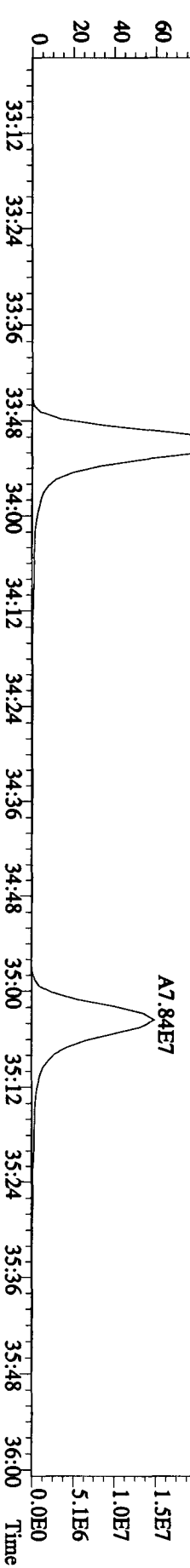
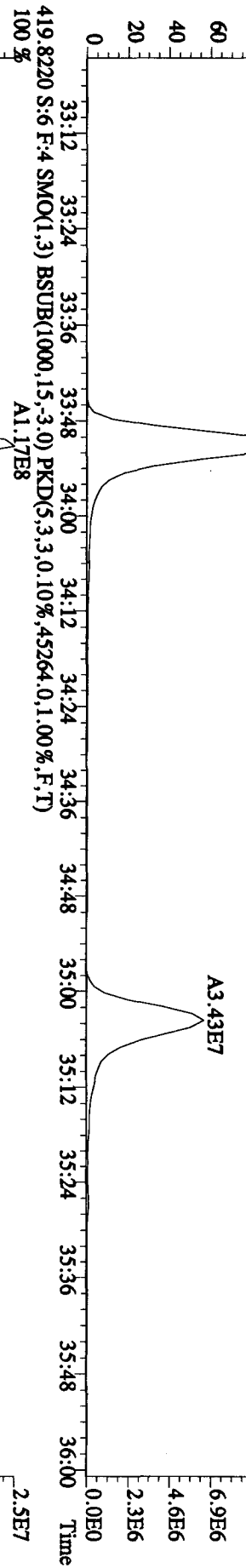
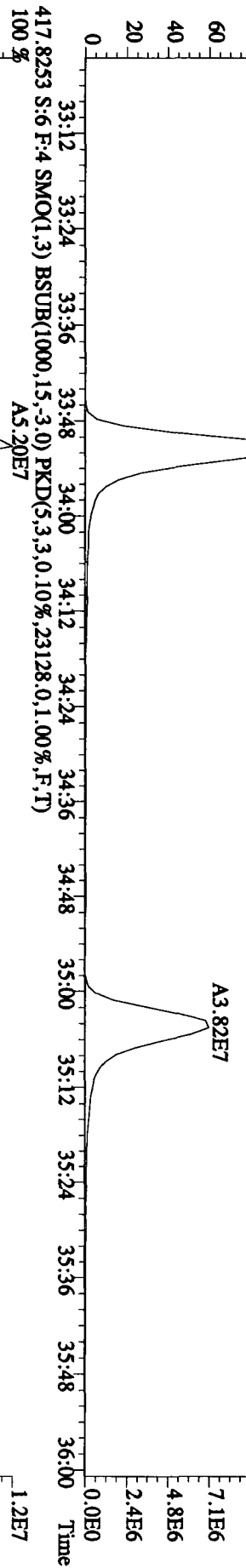
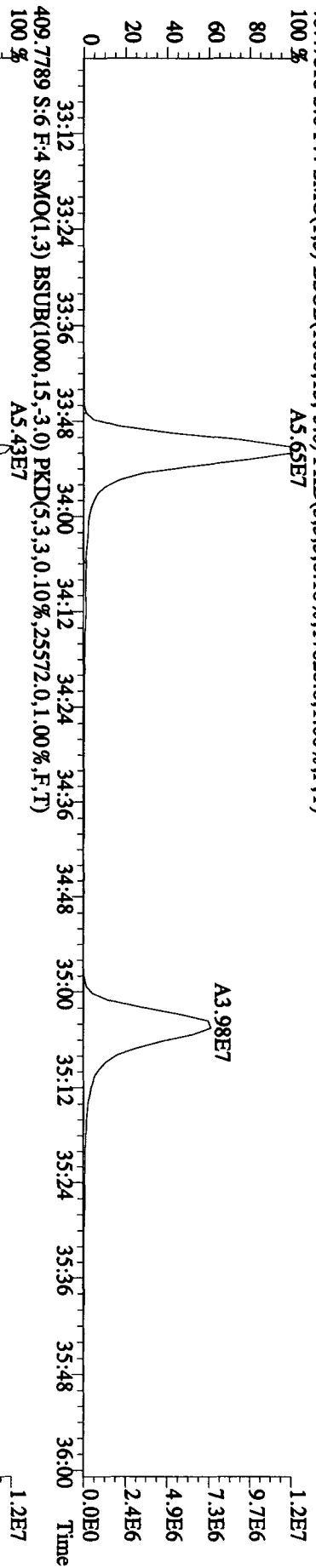
File:26AP10A1D5 #1-447 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :G0D20000-455C Exp:DIOXIN
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3456,0,1,00%,F,T)
 100 %



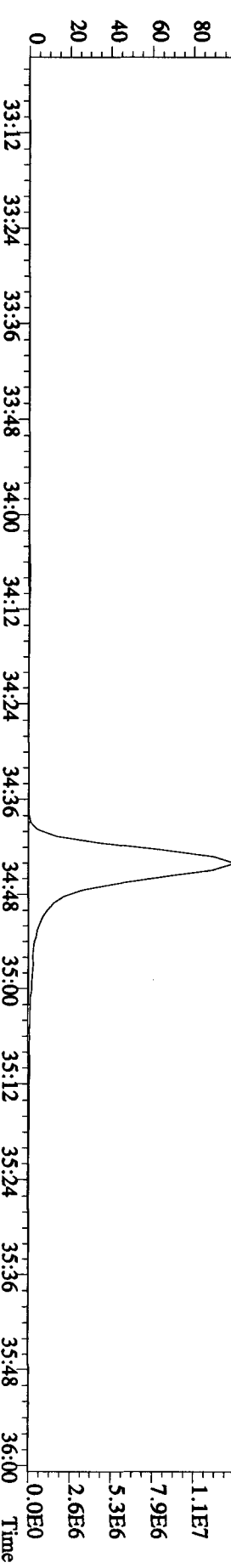
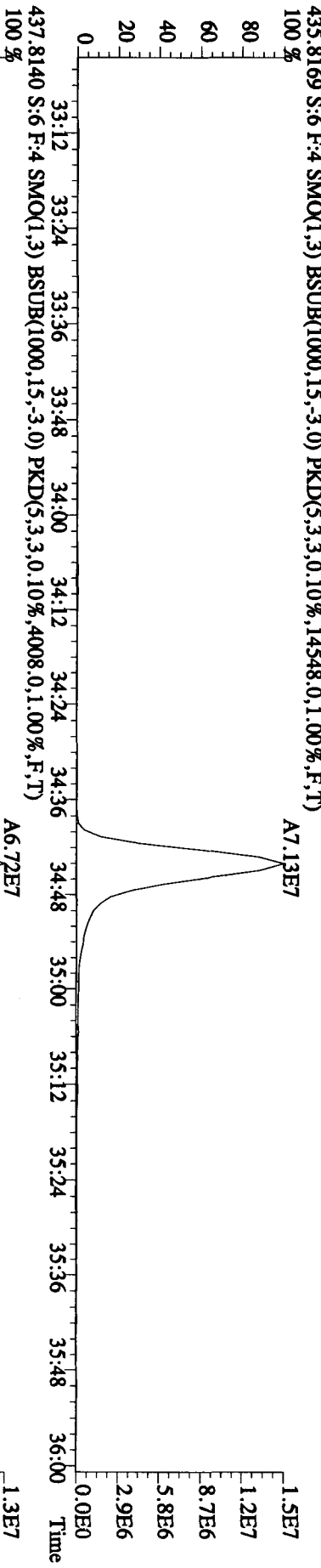
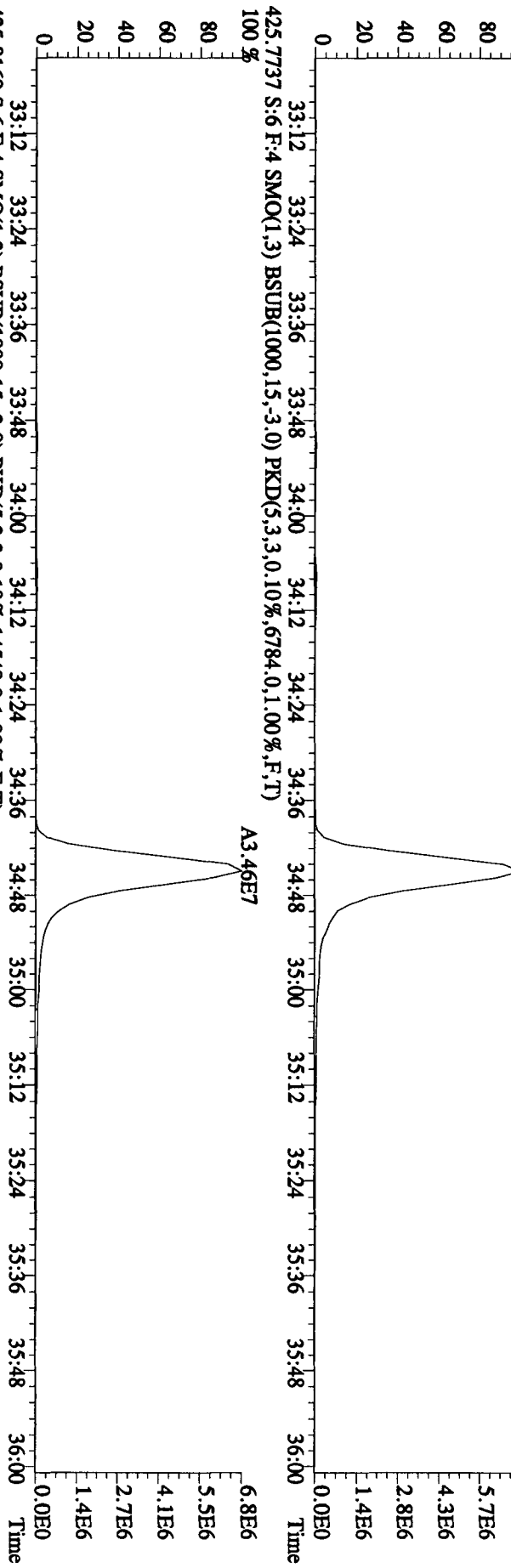
File:26API0A1D5 #1-210 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE

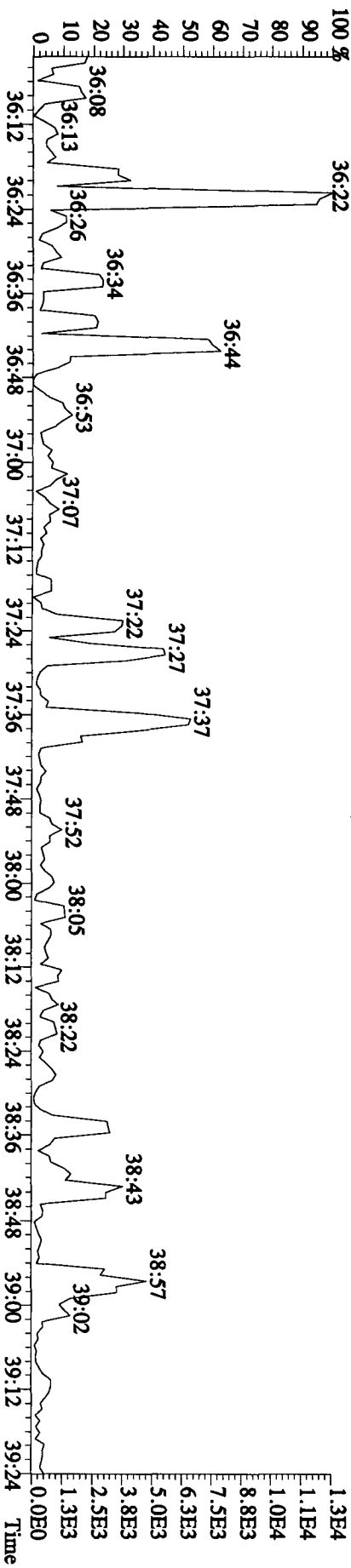
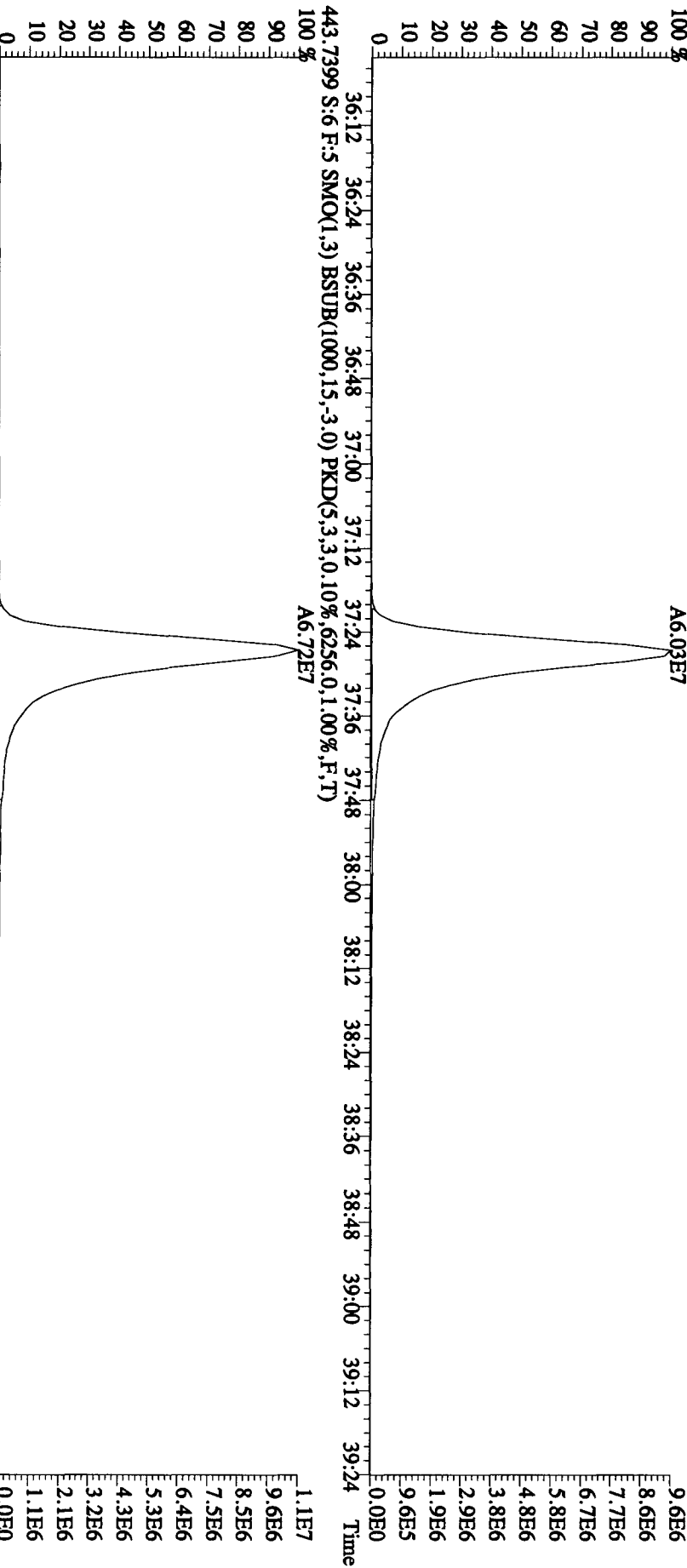
Exp:DIOXIN

Sample#6 Text: LX85A-1-AC :G0DD200000-455C
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)



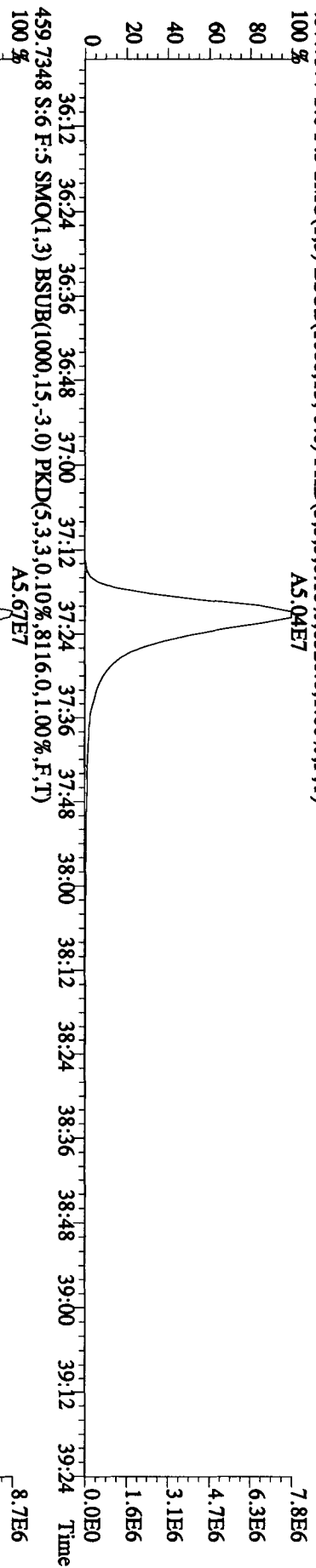
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5792,0.1,00%,F,T)
100%





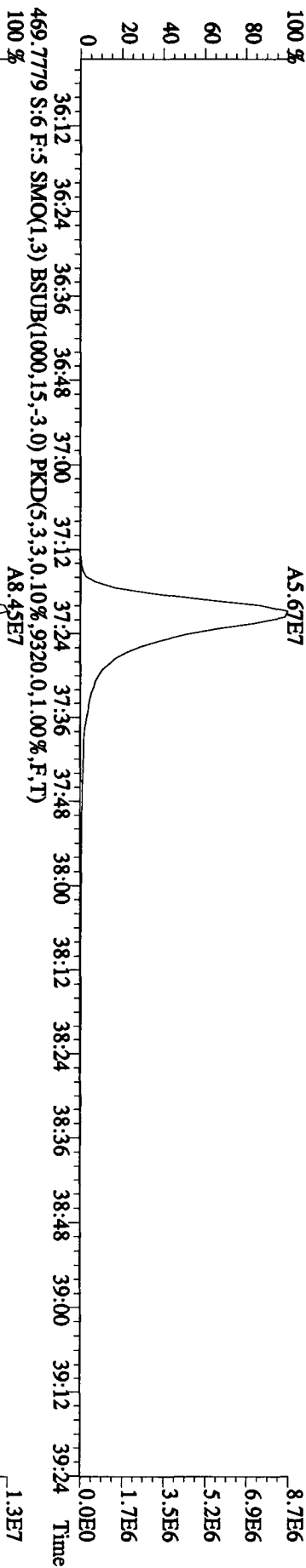
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8320,0,1,00%,F,T)

A5.04E7



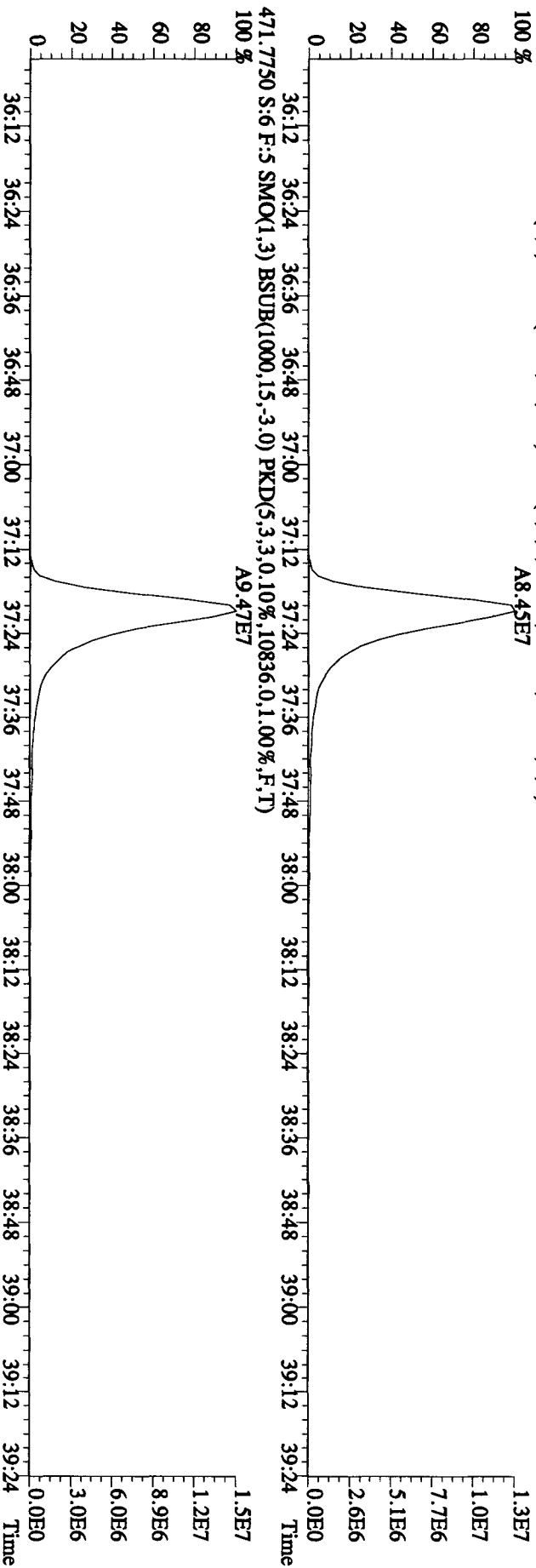
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8116,0,1,00%,F,T)

A5.67E7



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)

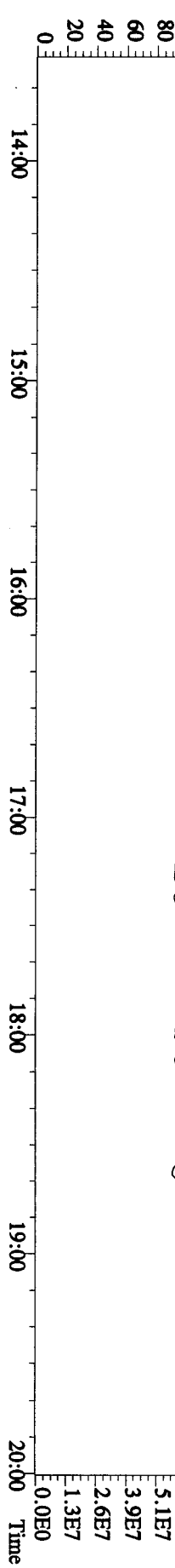
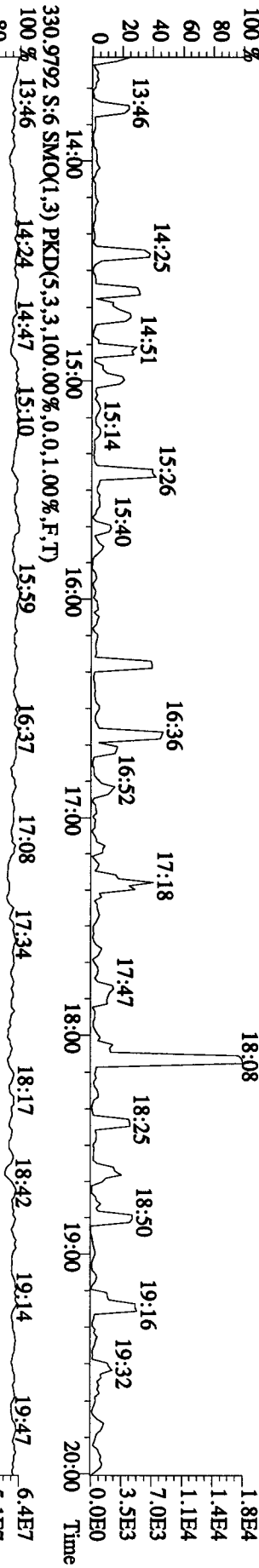
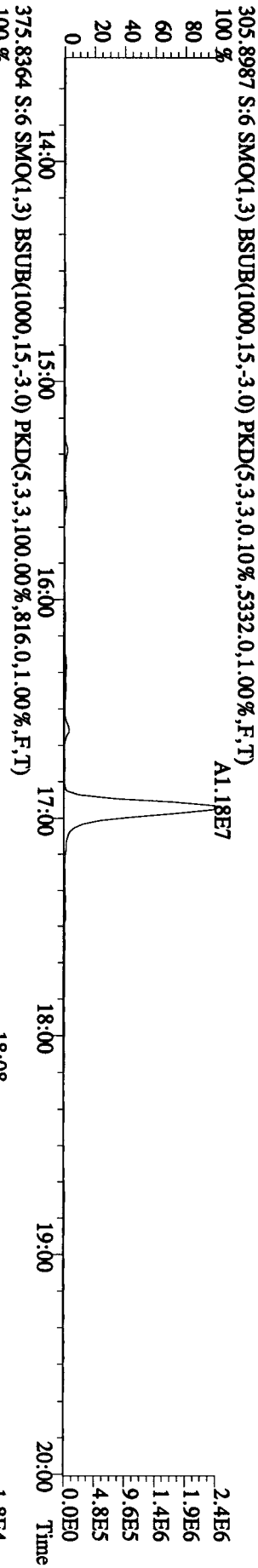
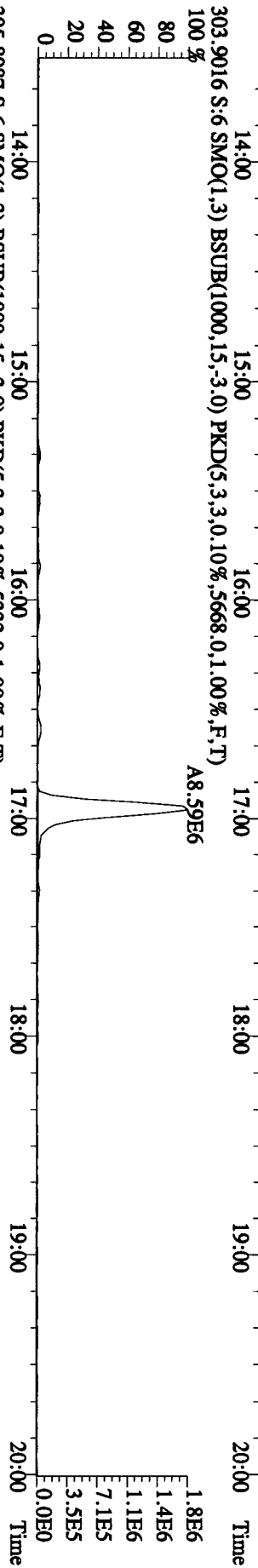
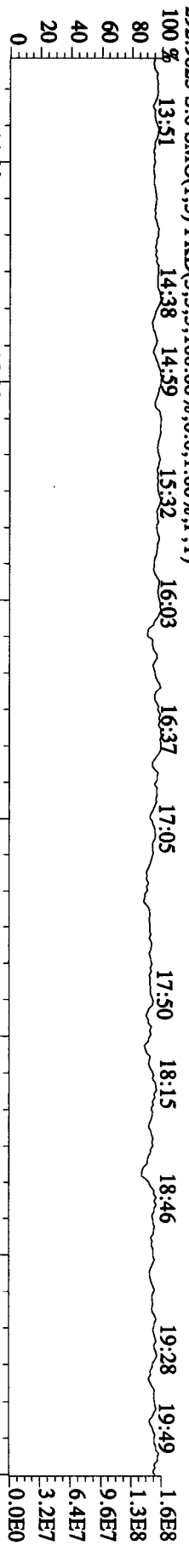
A9.47E7



File:26ADP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE

Sample#6 Text:LX85A-1-AC :GDD200000-455C Exp:DIOXIN

292.9825 S:6 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

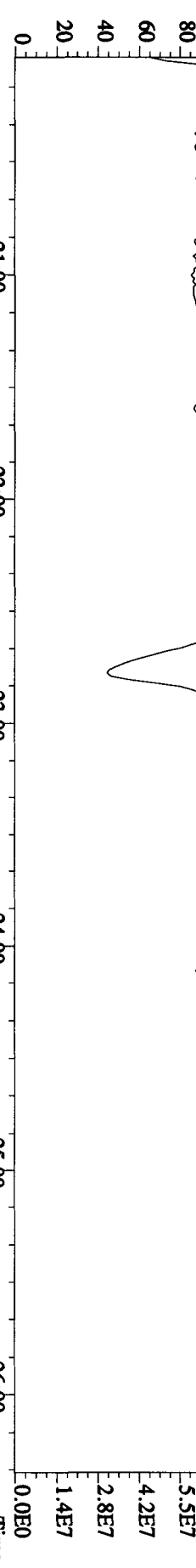


File:26AP10A1D5 #1-445 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE

Sample#6 Text:LX85A-1-AC :G0D20000-455C Exp:DIOXIN

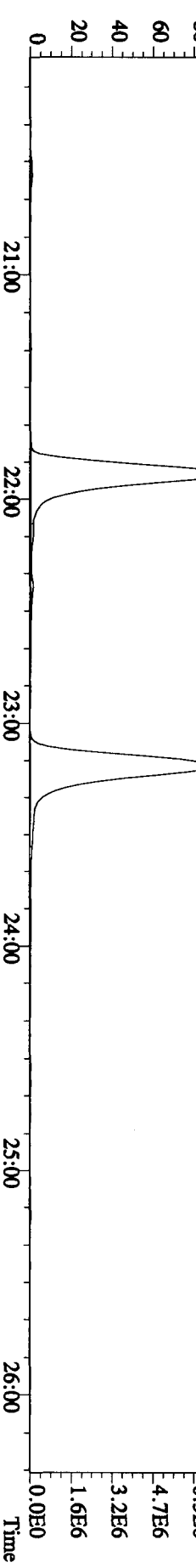
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 20:19 20:48 21:31 22:01 22:23



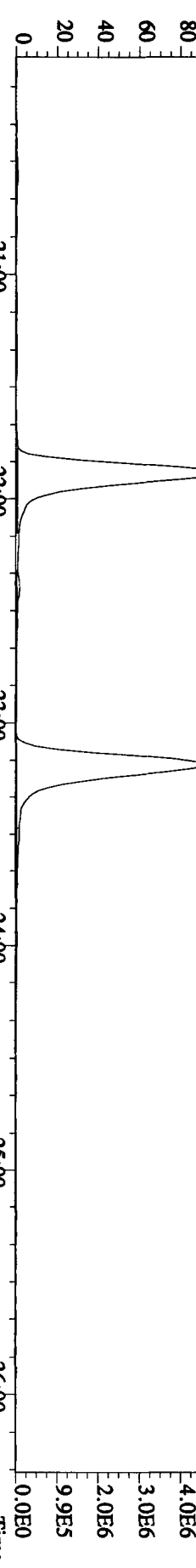
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9760,0,1.00%,F,T)

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



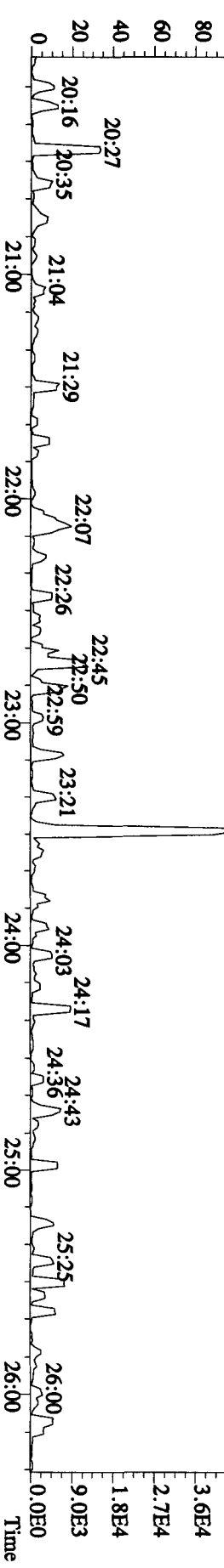
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13176,0,1.00%,F,T)

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

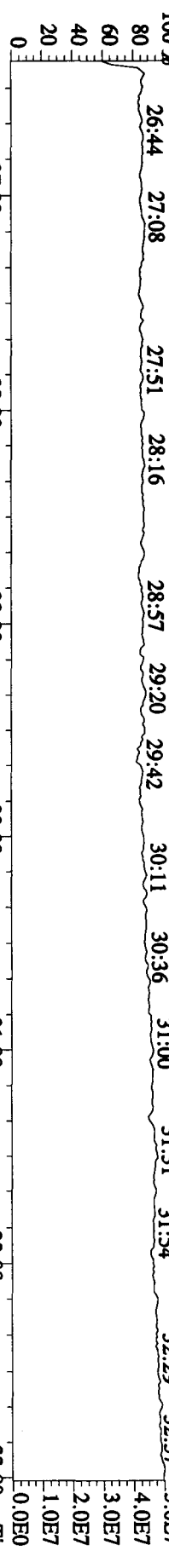


409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,592,0,1.00%,F,T)

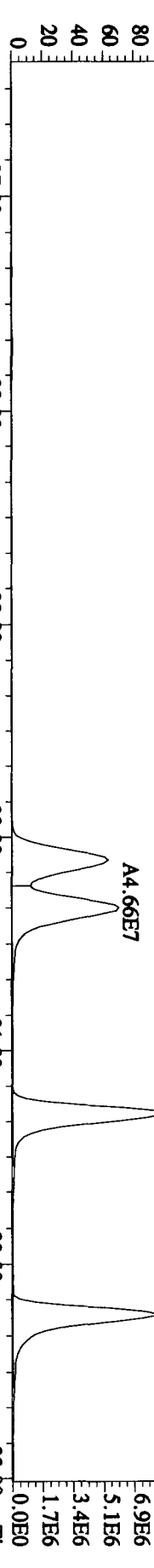
100% 21:00 22:00 23:00 24:00 25:00 26:00



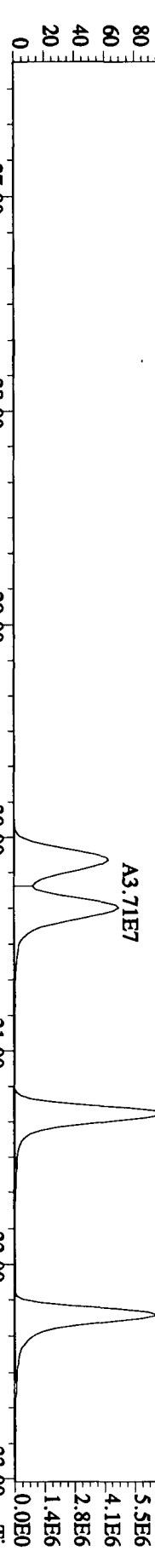
File: 26AP10AID5 #1-447 Acq: 26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text: LX85A-1-AC :G0DD200000-455C Exp: DIOXIN
 392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



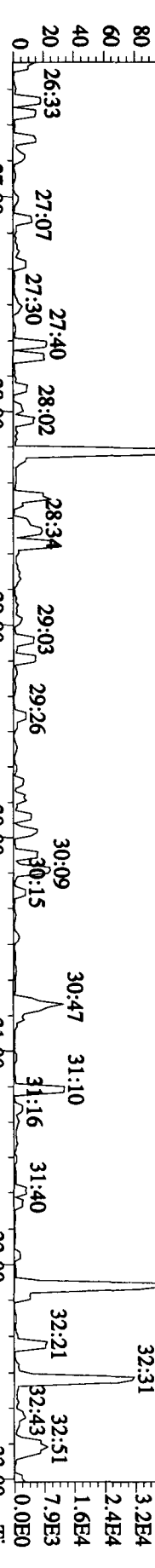
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3760,0.1,0.00%,F,T)



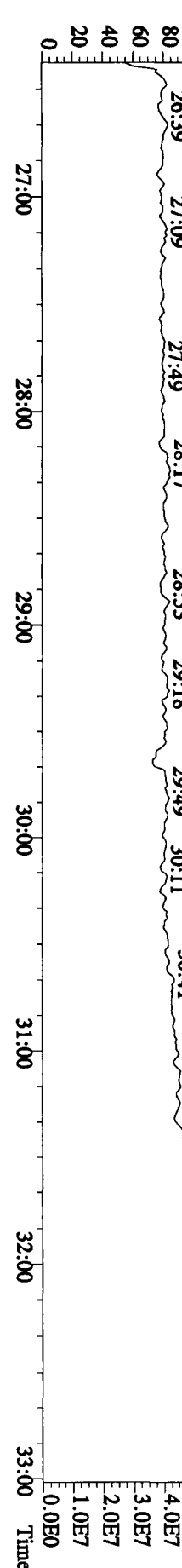
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1896,0.1,0.00%,F,T)

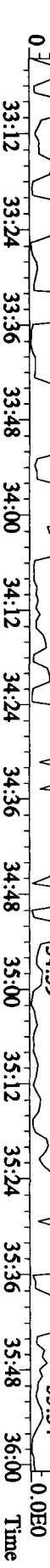
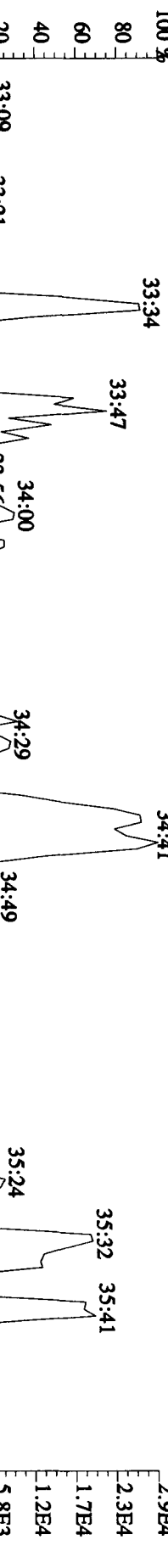
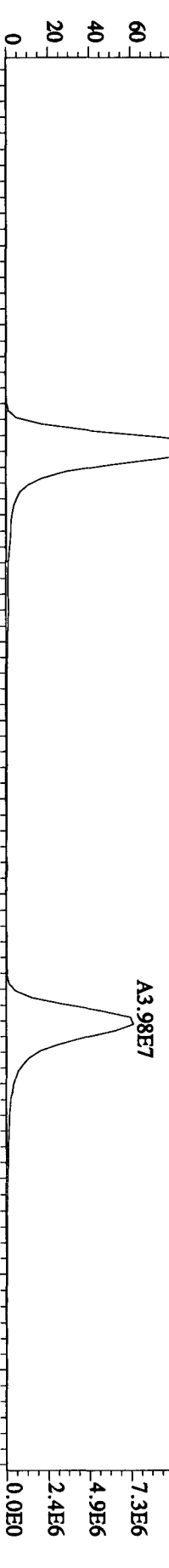
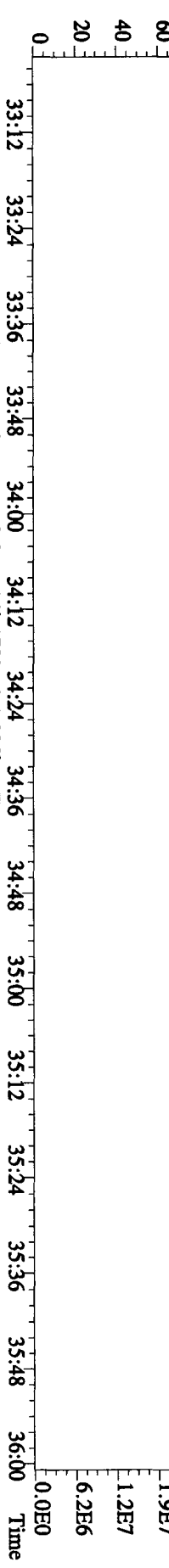


445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,636,0.1,0.00%,F,T)



380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

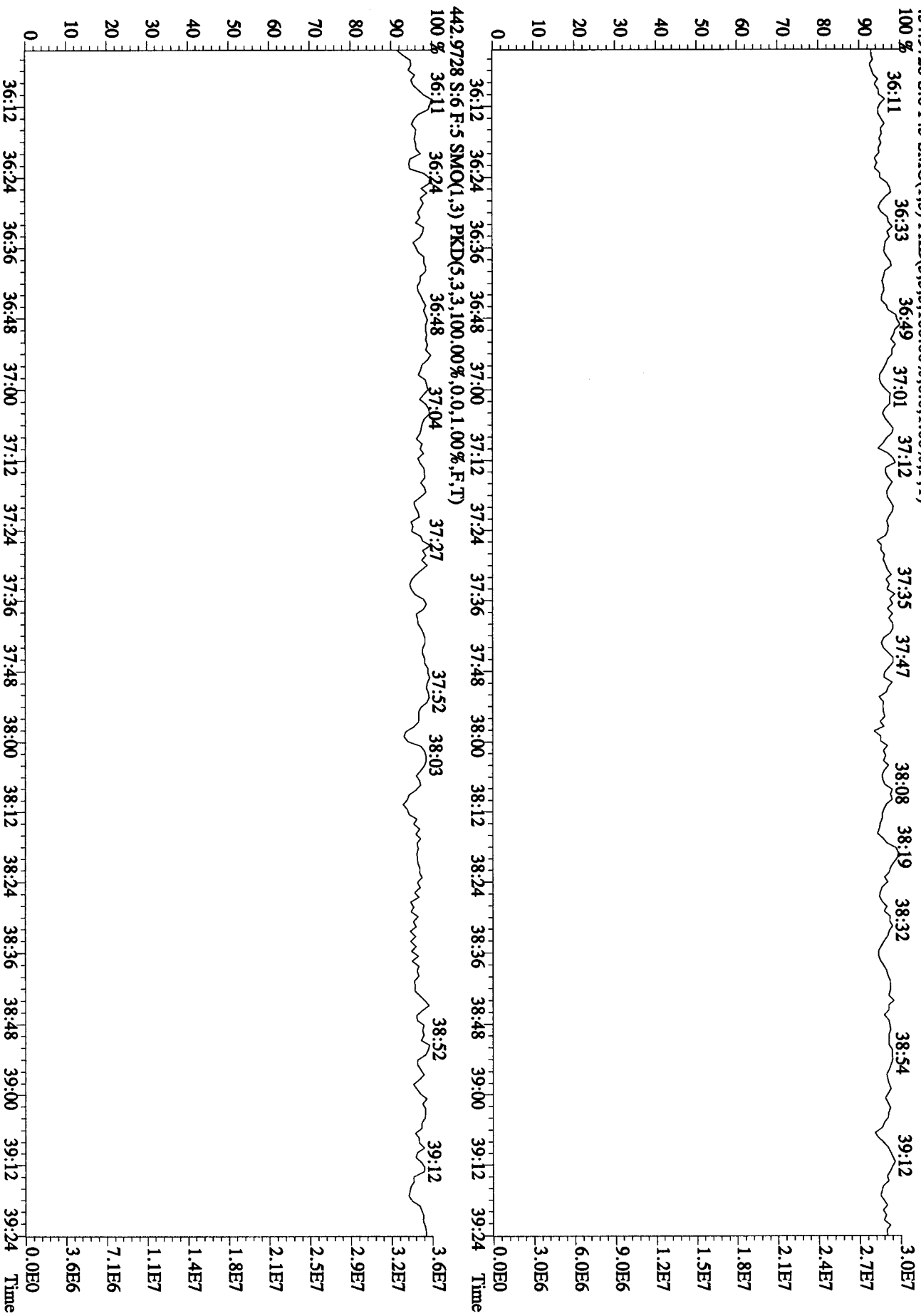




File: 26AP10A1D5 #1-243 Acq: 26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE

Sample#6 Text: LX85A-1-AC : G0DD200000-455C 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: LX6LV-1-AC Sample text: LX6LV-1-AC :G0D080425-50 (20x) RI
 Run #38 Filename: 27AP104D5 S: 39 I: 1 Results: 27ap104d58290avg1
 Acquired: 28-APR-10 15:46:48 Processed: 29-APR-10 07:42:29
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.17 g

V8 4.30.10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	4028610	0.88 y	19:29	-	0.30	-	-	y
13C-2,3,7,8-TCDF	7633160	0.78 y	18:55	1.52	122.51	1.45	62.3	n
2,3,7,8-TCDF	106905200	0.79 y	18:57	0.95	2913.58	5.68	-	n
Total TCDF	625137480	0.77 y	16:14	0.95	17037.38	5.68	-	n
13C-2,3,7,8-TCDD	5406880	0.71 y	19:42	0.95	138.96	3.46	70.7	y
2,3,7,8-TCDD	1192404	0.81 y	19:43	1.02	42.48	1.54	-	n
Total TCDD	45411948	0.77 y	17:14	1.02	1617.70	1.54	-	n
37Cl-2,3,7,8-TCDD	5512360	1.00 y	19:43	2.26	59.50	0.81	75.6	n
13C-1,2,3,7,8-PeCDF	5993900	1.58 y	24:33	1.05	139.29	0.10	70.8	n
1,2,3,7,8-PeCDF	80651200	1.52 y	24:36	1.04	2532.77	9.57	-	n
2,3,4,7,8-PeCDF	41182700	1.58 y	26:05	0.98	1375.74	10.18	-	n
Total F2 PeCDF	624173653	1.35 y	22:26	1.01	20171.23	9.86	-	n
Total F1 PeCDF	62848729	1.78 y	20:22	1.01	2034.66	1.60	-	n
13C-1,2,3,7,8-PeCDD	4188510	1.43 y	26:53	0.67	152.48	0.14	77.5	n
1,2,3,7,8-PeCDD	3630720	1.58 y	26:54	0.98	173.61	3.22	-	n
Total PeCDD	43055315	1.56 y	23:16	0.98	2058.73	3.22	-	n
13C-1,2,3,7,8,9-HxCDD	3158040	1.24 y	33:05	-	0.30	-	-	n
13C-1,2,3,4,7,8-HxCDF	3745200	0.52 y	31:55	1.02	113.78	2.03	57.9	n
1,2,3,4,7,8-HxCDF	161043400	1.21 y	31:56	1.21	6973.53	62.90	-	n
1,2,3,6,7,8-HxCDF	110782900	1.21 y	32:03	1.34	4332.11	56.80	-	n
2,3,4,6,7,8-HxCDF	20886460	1.23 y	32:36	1.22	897.28	62.40	-	y
1,2,3,7,8,9-HxCDF	13501760	1.17 y	33:16	1.09	648.96	69.82	-	y
Total HxCDF	723232790	1.19 y	30:33	1.22	30836.75	62.65	-	y
13C-1,2,3,6,7,8-HxCDD	3804440	1.29 y	32:49	0.81	146.77	0.77	74.6	n
1,2,3,4,7,8-HxCDD	2536260	1.21 y	32:45	1.01	130.22	2.95	-	n
1,2,3,6,7,8-HxCDD	5616420	1.26 y	32:50	1.11	260.63	2.66	-	n
1,2,3,7,8,9-HxCDD	6074250	1.20 y	33:06	1.21	259.70	2.45	-	n
Total HxCDD	43101509	1.24 y	31:23	1.11	1995.33	2.67	-	n
13C-1,2,3,4,6,7,8-HpCDF	3377552	0.42 y	34:35	0.86	121.92	2.86	62.0	n
1,2,3,4,6,7,8-HpCDF	315864000	0.96 y	34:36	1.31	14042.43	16.08	-	n
1,2,3,4,7,8,9-HpCDF	100162100	0.96 y	35:44	1.03	5686.14	20.54	-	n
Total HpCDF	600067500	0.96 y	34:36	1.17	28905.72	18.04	-	n
13C-1,2,3,4,6,7,8-HpCDD	2749380	0.99 y	35:24	0.70	122.73	0.24	62.4	n
1,2,3,4,6,7,8-HpCDD	42162600	1.05 y	35:25	1.07	2813.62	4.31	-	n
Total HpCDD	83128500	1.03 y	34:51	1.07	5547.39	4.31	-	n
13C-OCDD	3759010	0.85 y	37:54	0.53	220.25	1.03	56.0	n
OCDF	474877000	0.90 y	38:01	1.45	34377.35	2.16	-	n

See DB 225

G
G
L

OCDD 385579000 0.89 y 37:55 1.17

34592.91 ✓

3.25

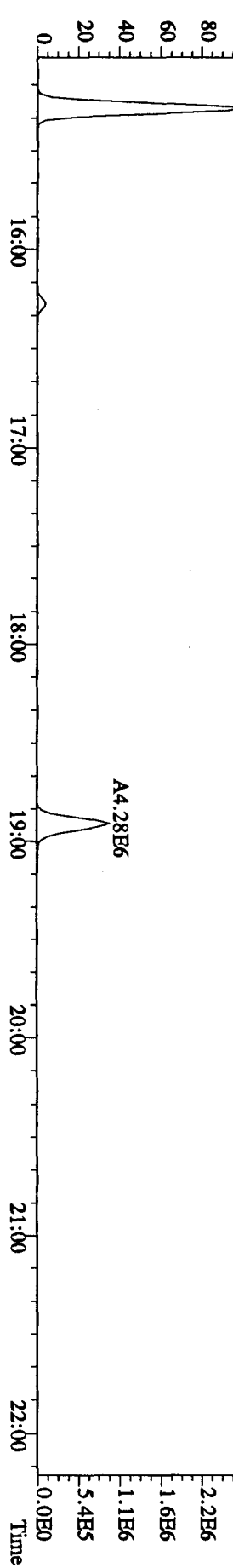
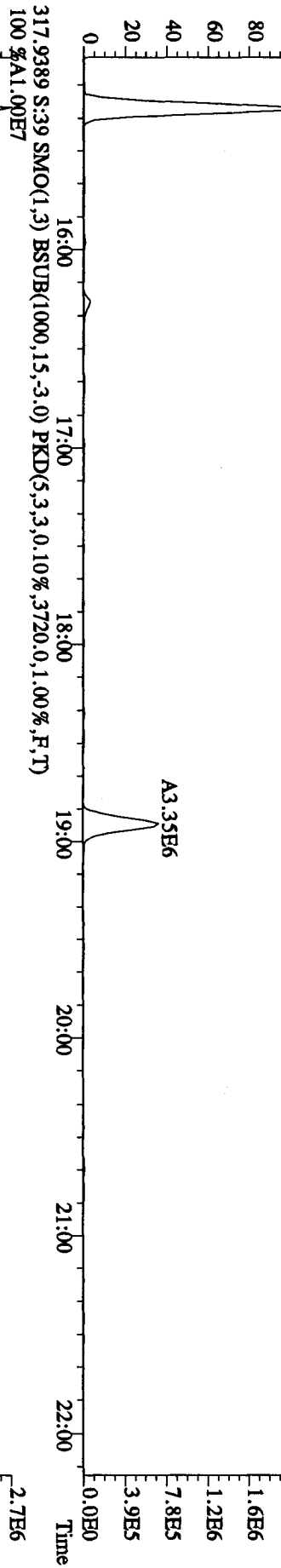
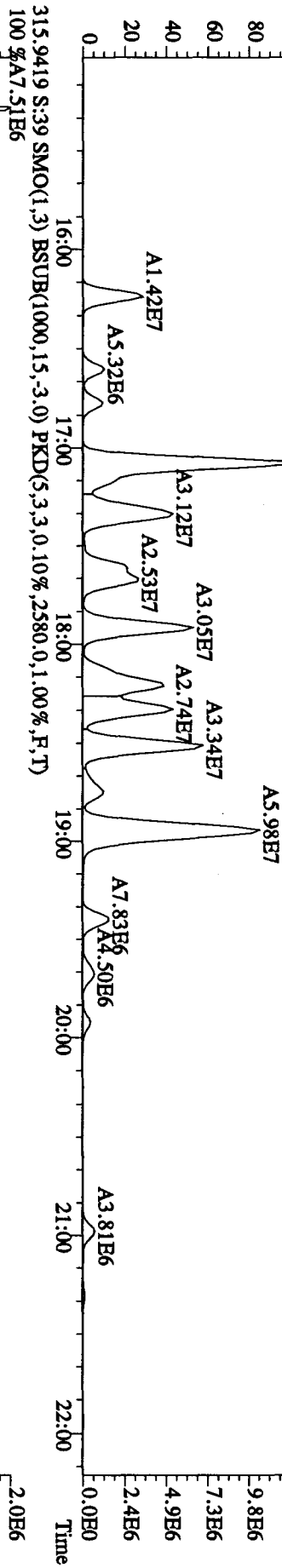
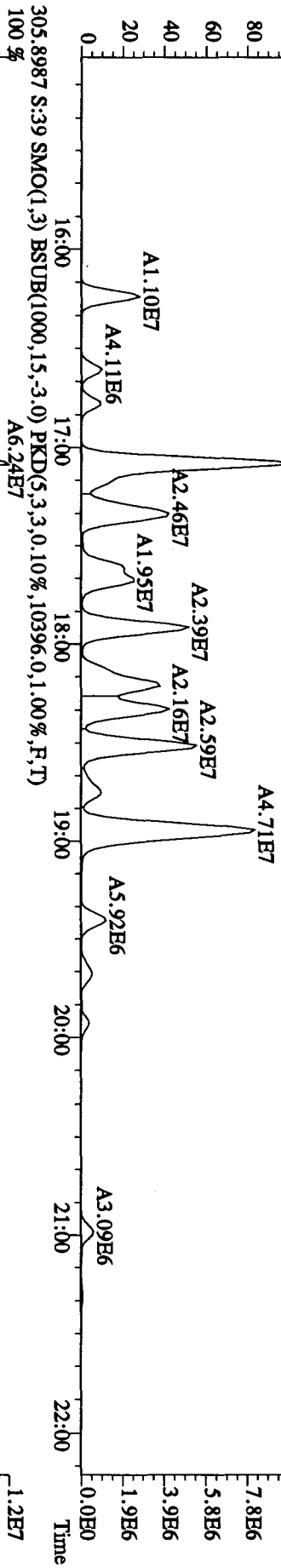
- n

Run text: LX6LV-1-AC Sample text: LX6LV-1-AC :G0D080425-50 (20x) RI
 Run #38 Filename: 27AP104D5 S: 39 I: 1 Results: 27AP104D58290A
 Acquired: 28-APR-10 15:46:48 Processed: 29-APR-10 07:42:29
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.17 g

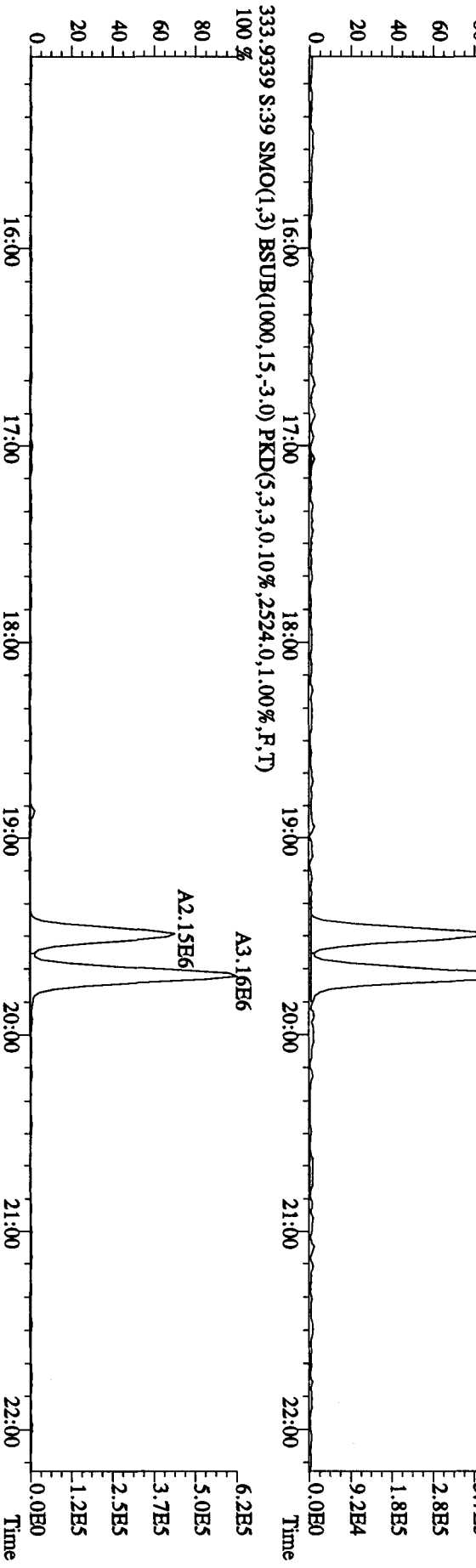
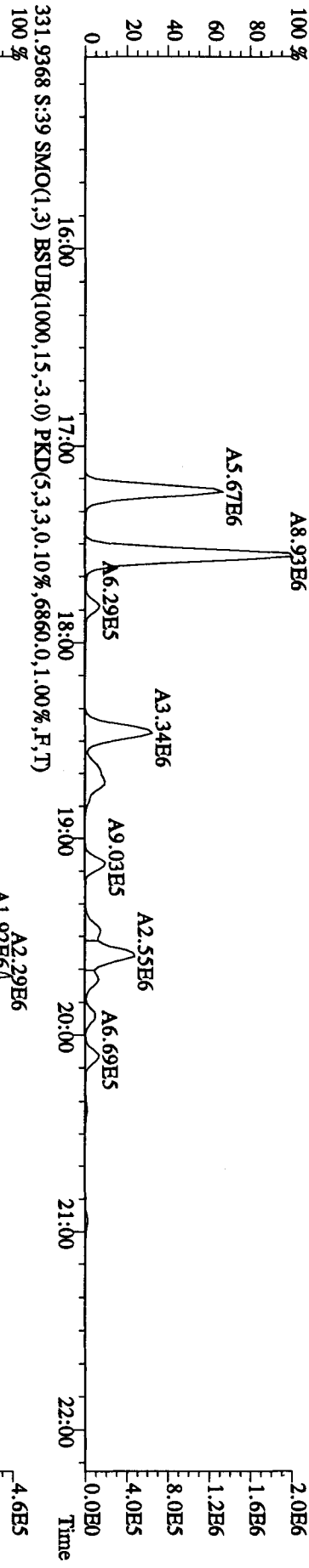
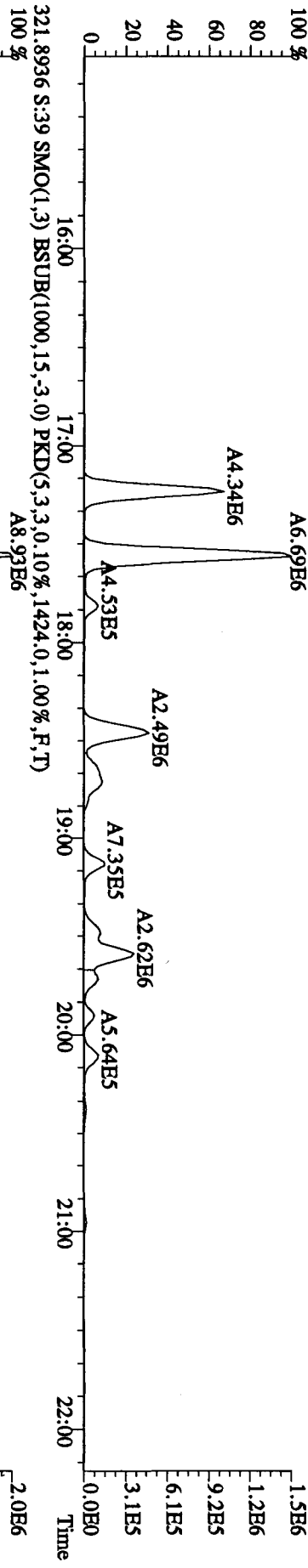
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	3799110	0.89 n	19:29	-	0.2808	-	-	n
13C-2,3,7,8-TCDF	7633160	0.78 y	18:55	1.52	129.9114	1.5488	66.1	n
2,3,7,8-TCDF	106905200	0.79 y	18:57	0.95	2913.5751	5.6796	-	n
Total TCDF	625137480	0.77 y	16:14	0.95	17037.3847	5.6796	-	n
13C-2,3,7,8-TCDD	5455780	0.72 y	19:42	0.95	148.6871	3.6942	75.6	n
2,3,7,8-TCDD	1192404	0.81 y	19:43	1.02	42.0961	1.5383	-	n
Total TCDD	45411948	0.77 y	17:14	1.02	1603.2935	1.5383	-	n
37Cl-2,3,7,8-TCDD	5512360	1.00 y	19:43	2.26	63.0924	0.8690	80.2	n
13C-1,2,3,7,8-PeCDF	5993900	1.58 y	24:33	1.05	147.7008	0.1054	75.1	n
1,2,3,7,8-PeCDF	80651200	1.52 y	24:36	1.04	2532.7655	9.5679	-	n
2,3,4,7,8-PeCDF	41182700	1.58 y	26:05	0.98	1375.7408	10.1779	-	n
Total F2 PeCDF	624173653	1.35 y	22:26	1.01	20171.2287	9.8635	-	n
Total F1 PeCDF	62848729	1.78 y	20:22	1.01	2034.6616	1.6029	-	n
13C-1,2,3,7,8-PeCDD	4188510	1.43 y	26:53	0.67	161.6883	0.1494	82.2	n
1,2,3,7,8-PeCDD	3630720	1.58 y	26:54	0.98	173.6059	3.2163	-	n
Total PeCDD	43055315	1.56 y	23:16	0.98	2058.7256	3.2163	-	n
13C-1,2,3,7,8,9-HxCDD	3158040	1.24 y	33:05	-	0.3022	-	-	n
13C-1,2,3,4,7,8-HxCDF	3745200	0.52 y	31:55	1.02	113.7813	2.0310	57.9	n
1,2,3,4,7,8-HxCDF	161043300	1.21 y	31:56	1.21	6973.5270	62.9016	-	n
1,2,3,6,7,8-HxCDF	110782900	1.21 y	32:03	1.34	4332.1074	56.8039	-	n
2,3,4,6,7,8-HxCDF	55571300	1.19 y	32:33	1.22	2387.3497	62.4047	-	n
1,2,3,7,8,9-HxCDF	36410600	1.21 y	33:20	1.09	1750.0659	69.8198	-	n
Total HxCDF	746493570	1.19 y	30:33	1.22	31947.2336	62.6475	-	n
13C-1,2,3,6,7,8-HxCDD	3804440	1.29 y	32:49	0.81	146.7717	0.7724	74.6	n
1,2,3,4,7,8-HxCDD	2536260	1.21 y	32:45	1.01	130.2233	2.9480	-	n
1,2,3,6,7,8-HxCDD	5616420	1.26 y	32:50	1.11	260.6314	2.6644	-	n
1,2,3,7,8,9-HxCDD	6074250	1.20 y	33:06	1.21	259.7014	2.4548	-	n
Total HxCDD	43101509	1.24 y	31:23	1.11	1995.3344	2.6740	-	n
13C-1,2,3,4,6,7,8-HpCDF	3377552	0.42 y	34:35	0.86	121.9155	2.8620	62.0	n
1,2,3,4,6,7,8-HpCDF	315864000	0.96 y	34:36	1.31	14042.4314	16.0831	-	n
1,2,3,4,7,8,9-HpCDF	100162100	0.96 y	35:44	1.03	5686.1446	20.5372	-	n
Total HpCDF	600067500	0.96 y	34:36	1.17	28905.7168	18.0393	-	n
13C-1,2,3,4,6,7,8-HpCDD	2749380	0.99 y	35:24	0.70	122.7313	0.2355	62.4	n
1,2,3,4,6,7,8-HpCDD	42162600	1.05 y	35:25	1.07	2813.6248	4.3088	-	n
Total HpCDD	83128500	1.03 y	34:51	1.07	5547.3905	4.3088	-	n
13C-OCDD	3759010	0.85 y	37:54	0.53	220.2541	1.0296	56.0	n

OCDF	474877000	0.90	y	38:01	1.45	34377.3505	2.1601	-	n
OCDD	385579000	0.89	y	37:55	1.17	34592.9106	3.2486	-	n

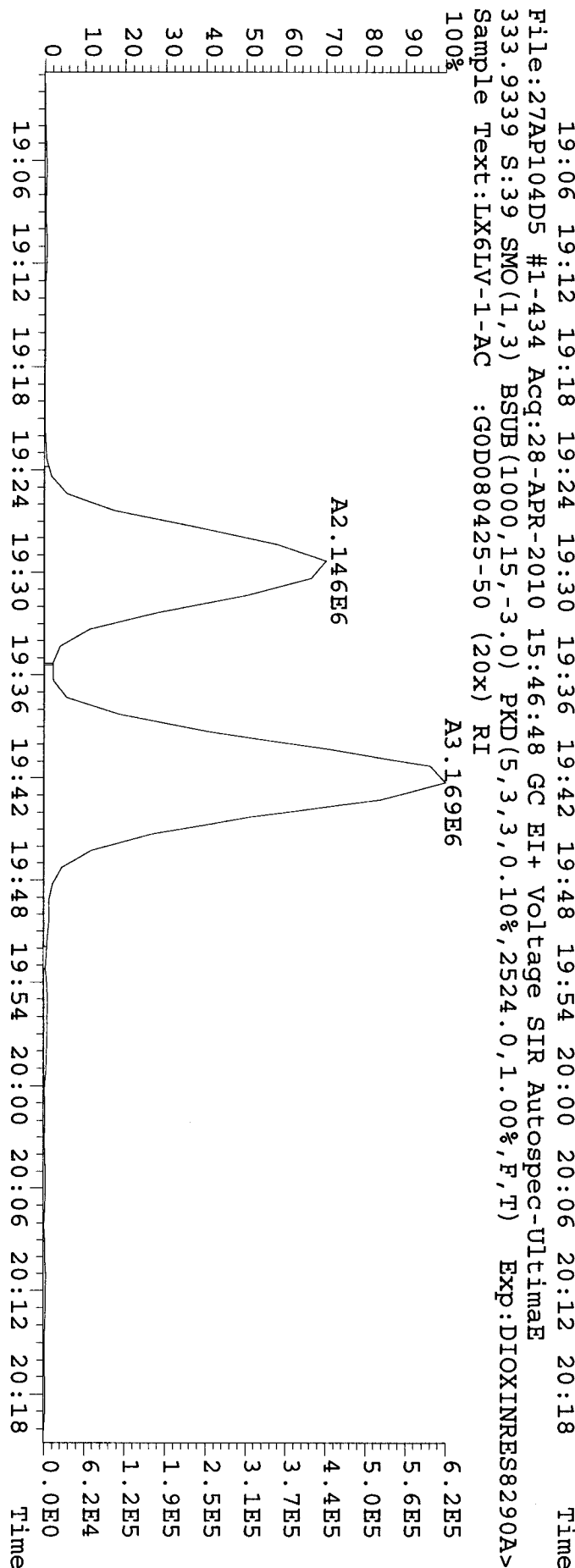
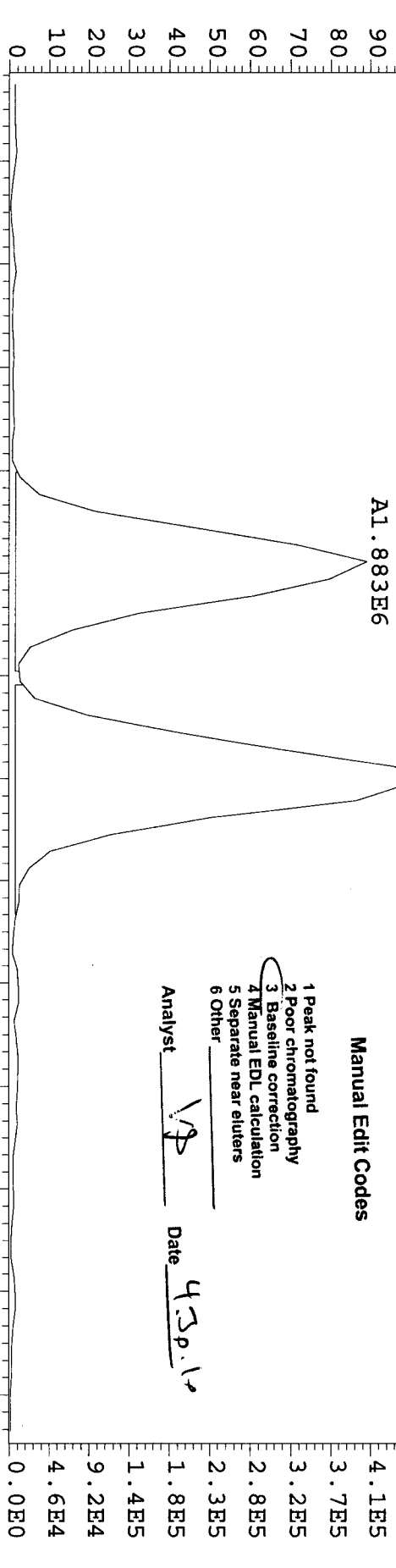
File: 27AP104D5 #1-434 Acq: 28-APR-2010 15:46:48 GC EI + Voltage SIR Autospec-UltimaE
 Sample#39 Text: LX6LV-1-AC :G0D080425-50 (20x) RI Exp: DIOXINRES8290A
 303.9016 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4652,0,1,00%,F,T)
 100% A4.90E7



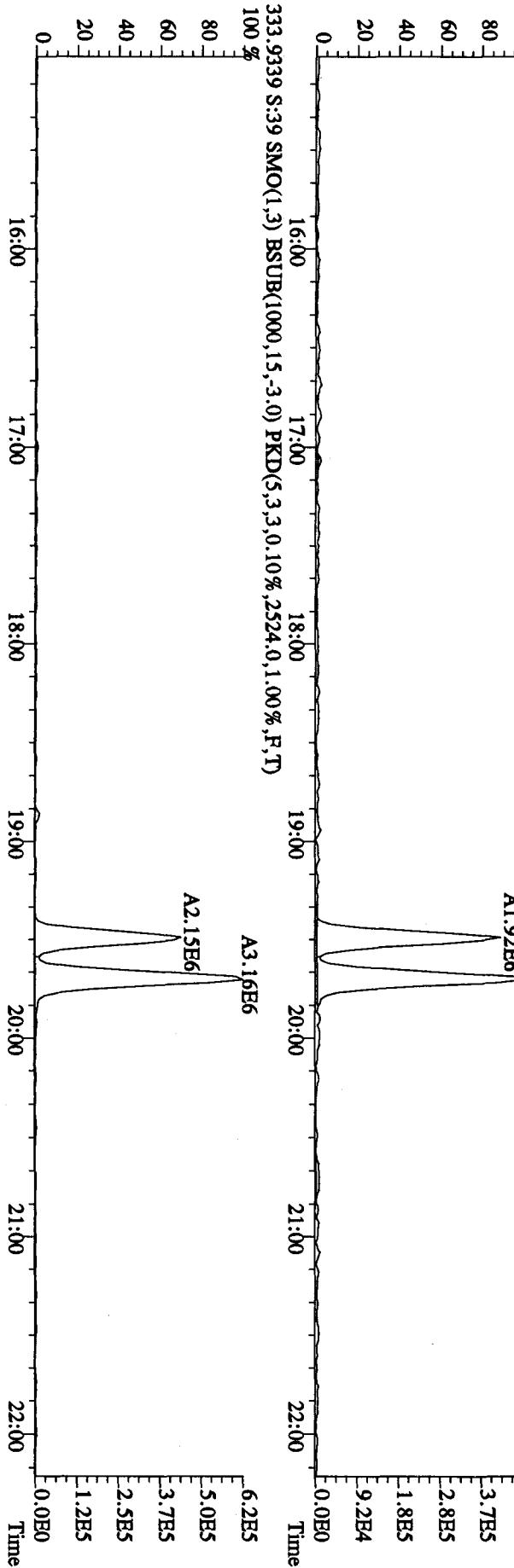
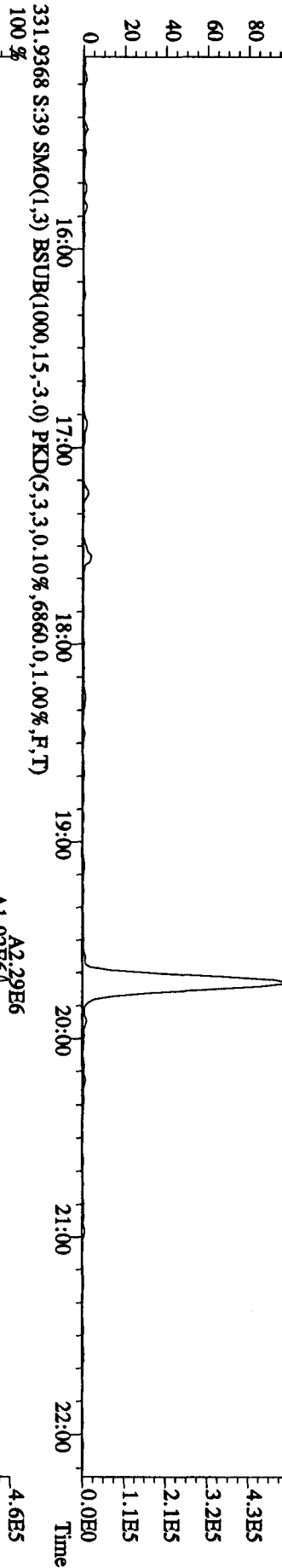
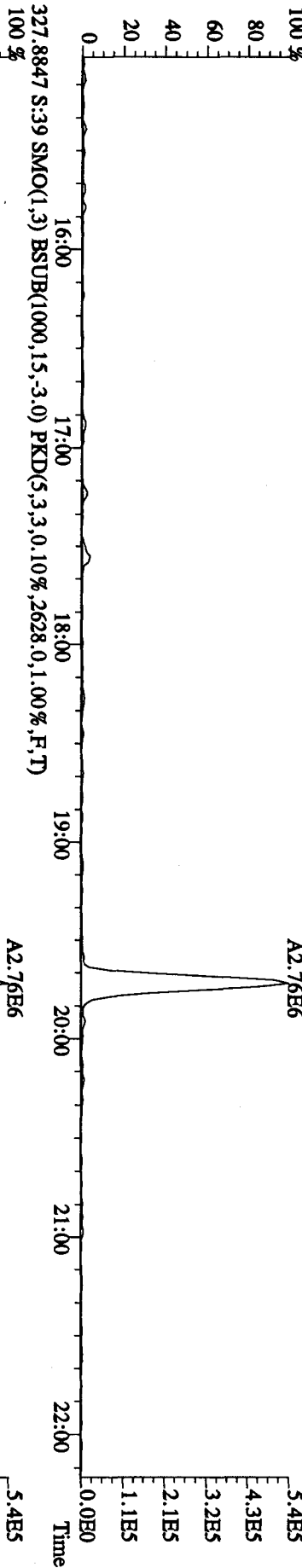
File:27AP104D5 #1-434 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20x) RI Exp:DIOXINRES8290A
 319.8965 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,1452.0,1.00%,F,T)
 100% A6.69E6



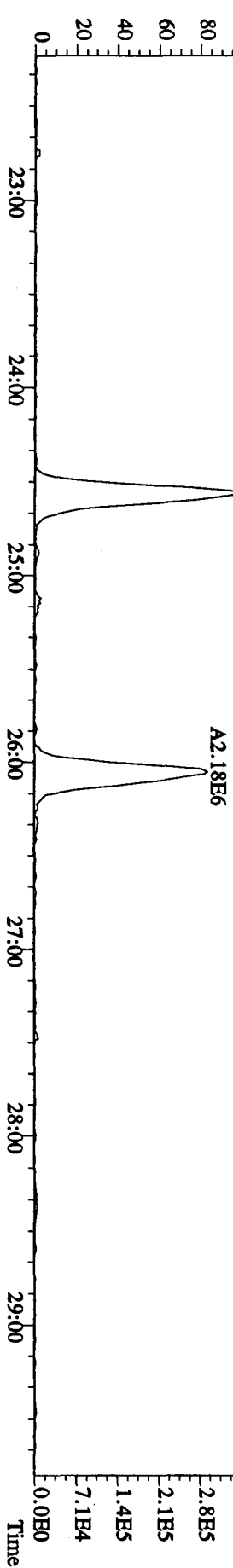
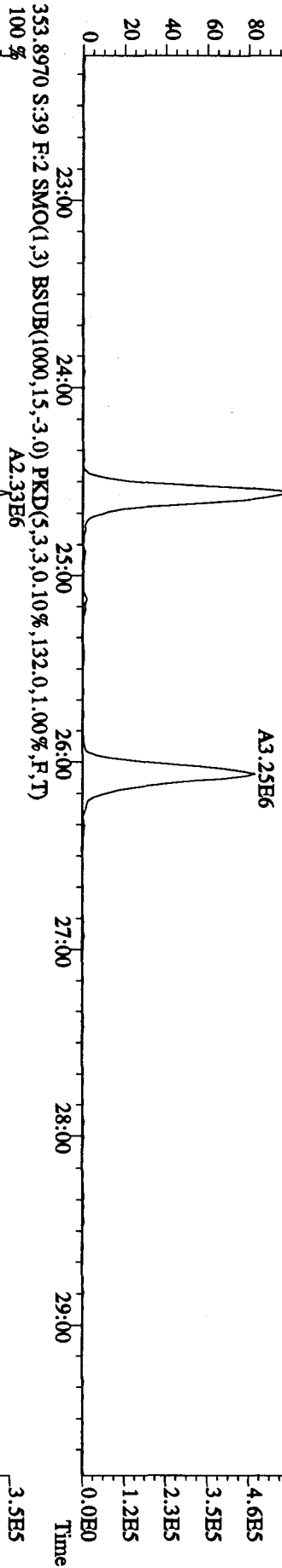
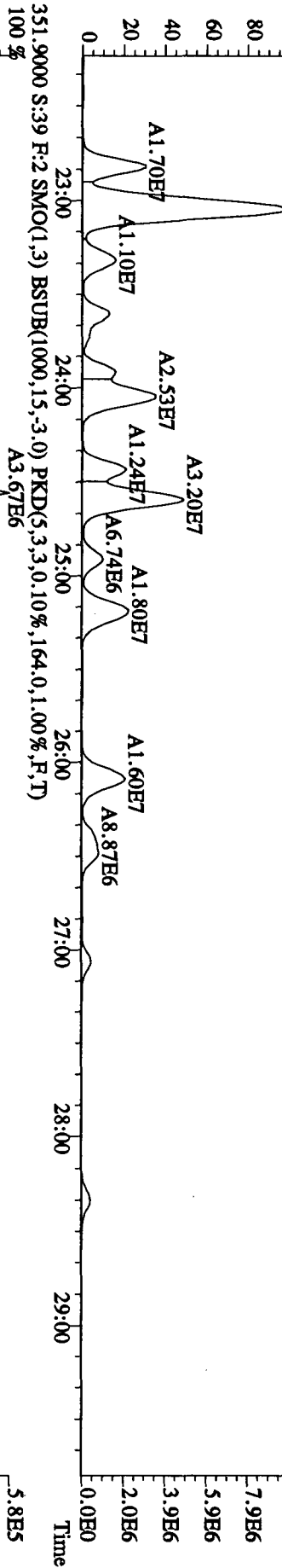
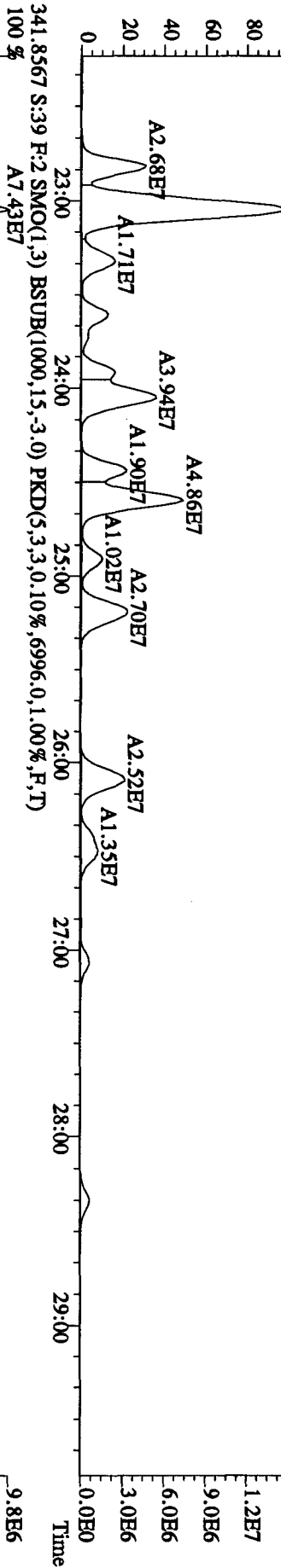
File: 27API04D5 #1-434 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-UltimaE
 331.9368 S: 39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6860.0,1.00%,F,T) Exp: DIOXINRES8290A>
 Sample Text: LX6LV-1-AC : G0D080425-50 (20x) RI



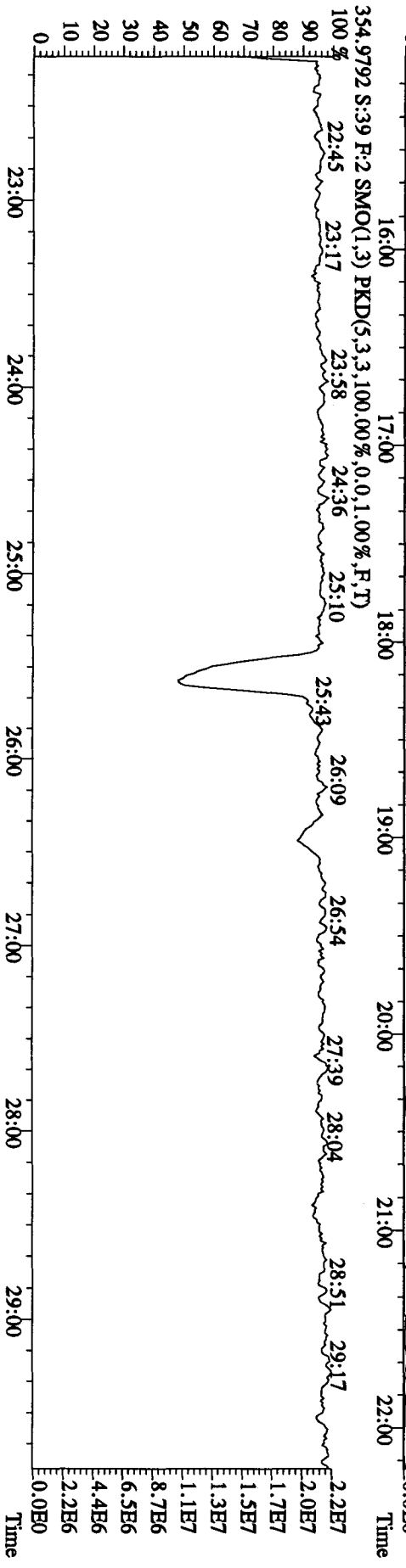
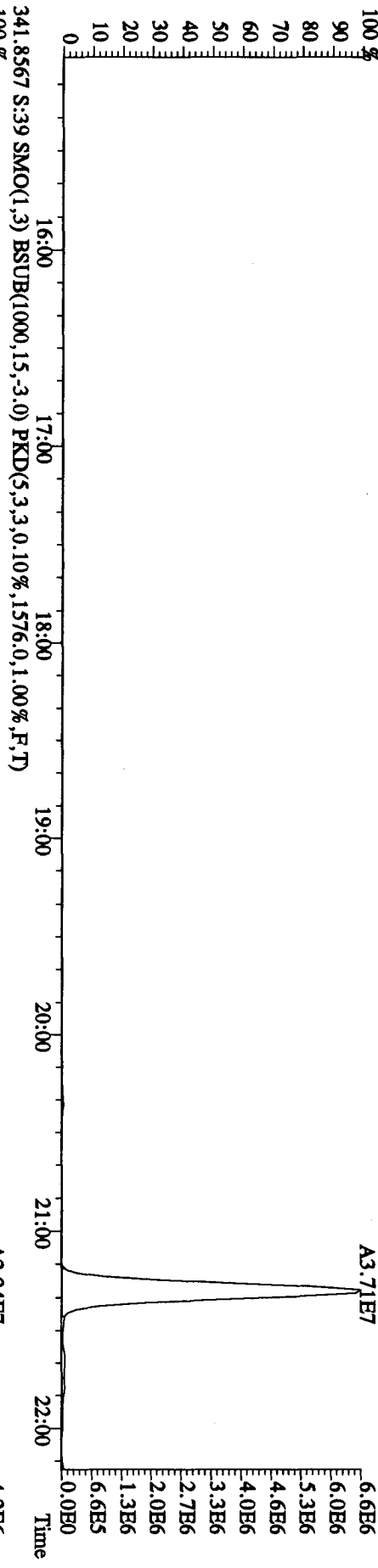
File: 27AP104D5 #1-434 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#39 Text: LX6LV-1-AC :G0D080425-50 (20x) RI Exp: DIOXINRES8290A
 327.8847 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2628,0,1,00%,F,T)



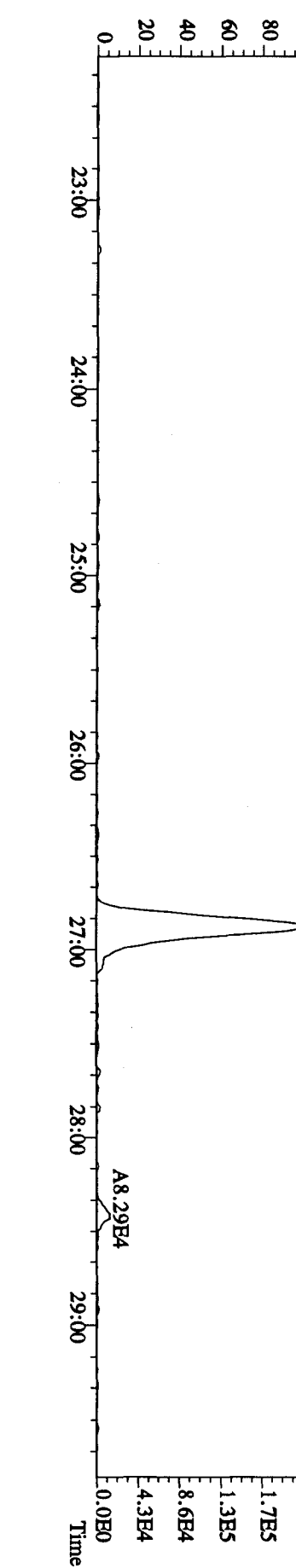
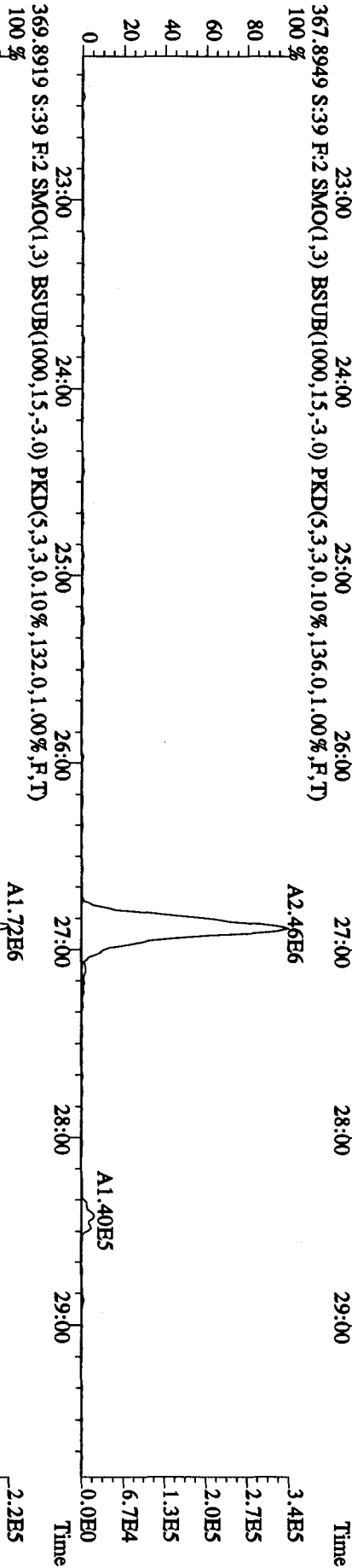
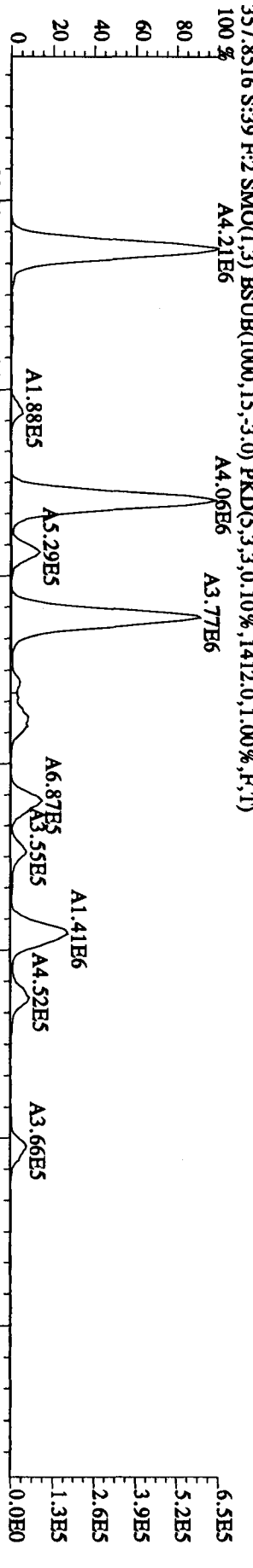
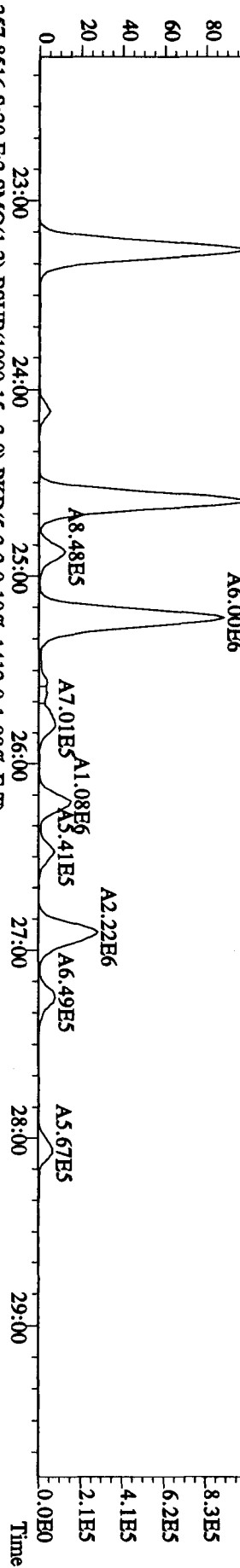
File: 27AP104D5 #1-604 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage: SIR Autospec-UltimaE
 Sample#39 Text: LX6LV-1-AC :G0D080425-50 (20x) RI Exp:DIOXINRES8290A
 339.8597 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8708,0,1.00%,F,T)



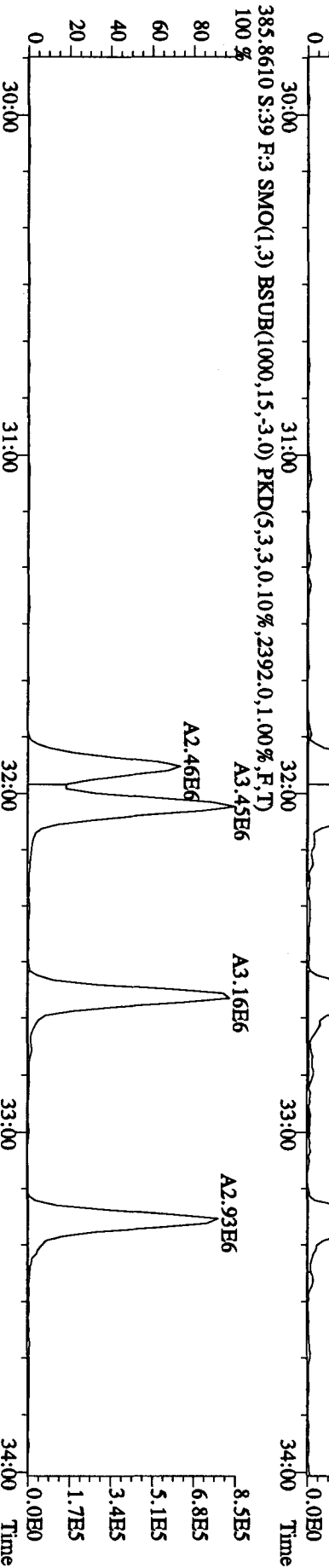
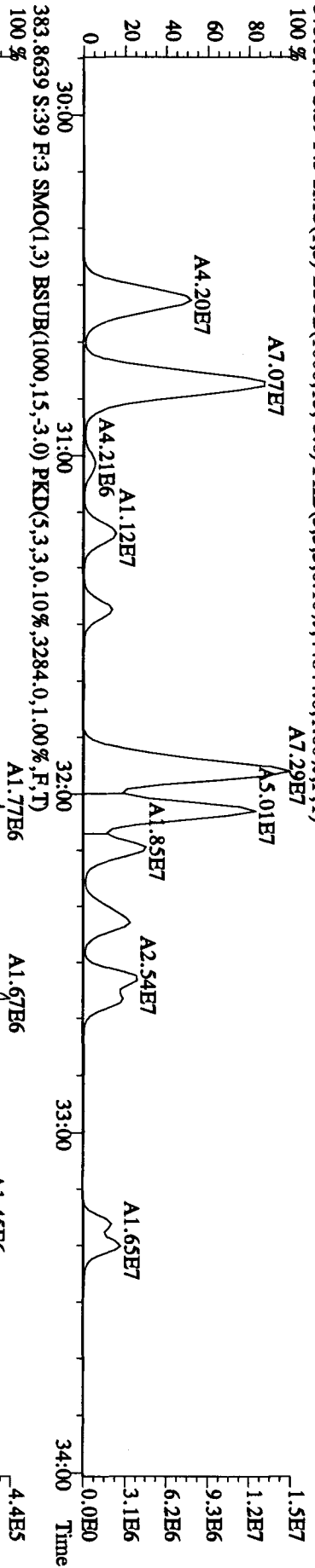
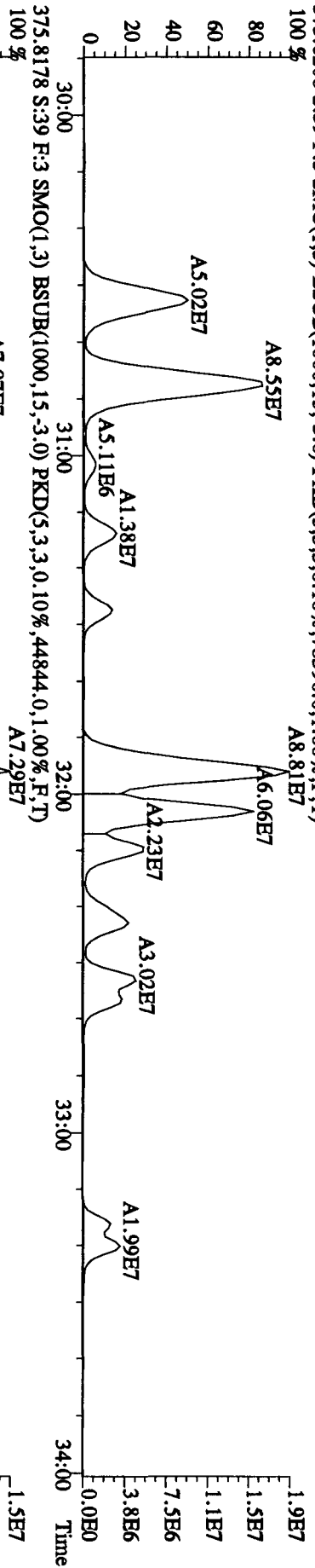
File:27AP104D5 #1-434 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20x) RI Exp:DIOXINRES8290A
 339.8597 S:39 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,976.0,1.00%,F,T)



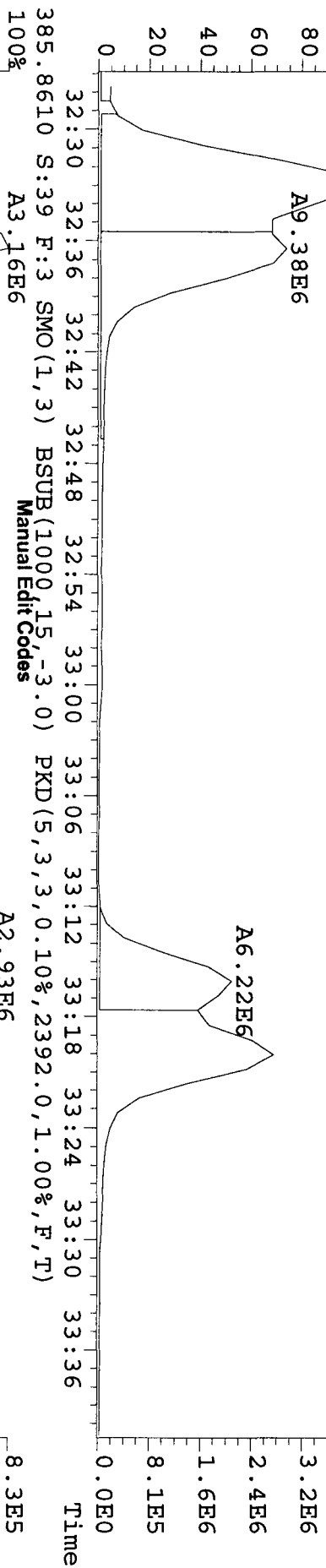
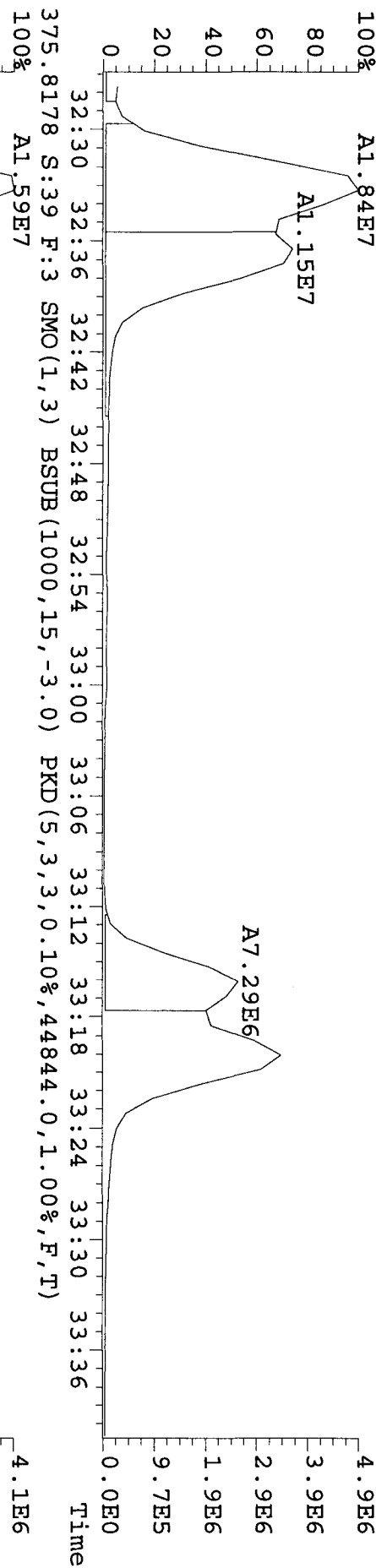
File: 27AP104D5 #1-604 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage: SIR Autospec-Ultimate
 Sample#39 Text: LX6LV-1-AC : G0D080425-50 (20x) RI Exp: DIOXINRES8290A
 355.8546 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1512.0,1.00%,F,T)
 100%



File: 27AP104D5 #1-317 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#39 Text: LX6LV-1-AC :GOD080425-50 (20x) RI Exp: DIOXINRES8290A
 373.8208 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,78396.0,1.00%,F,T)
 100%



File: 27AP104D5 #1-317 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#39 Text: LX6LV-1-AC : G0D080425-50 Exp: DIOXINRES8290A
 373.8208 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,78396.0,1.00%,F,T)
 100% A1.84E7

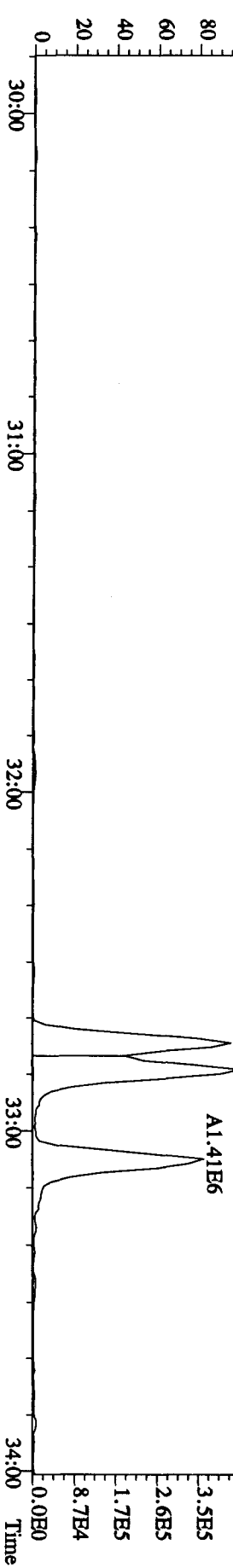
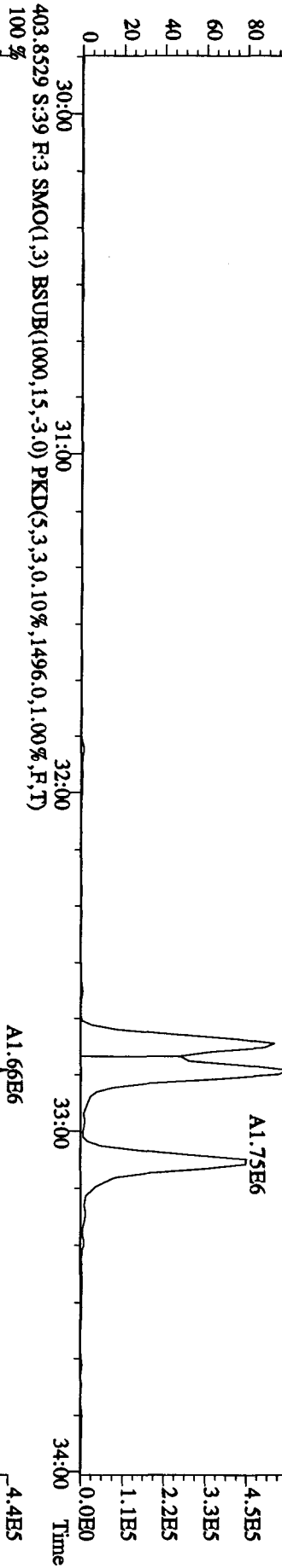
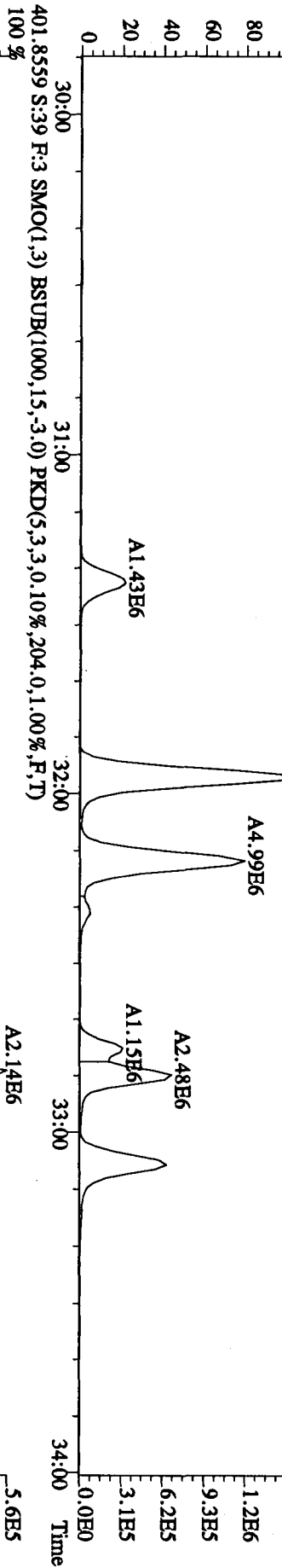
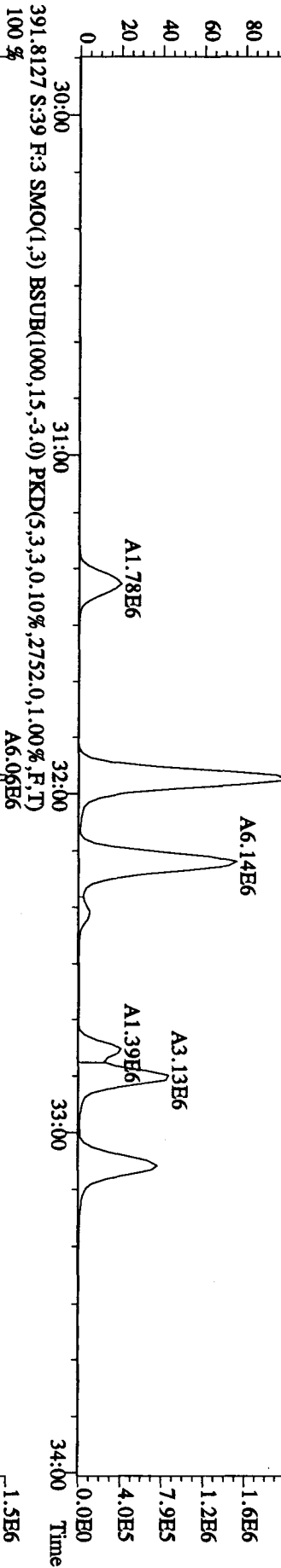


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

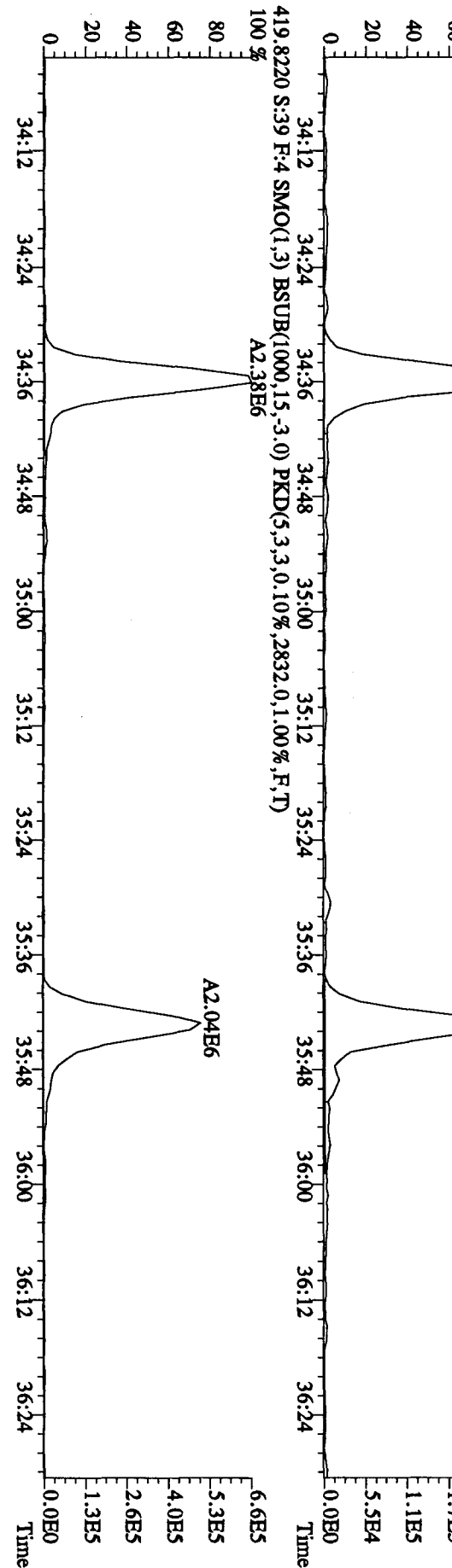
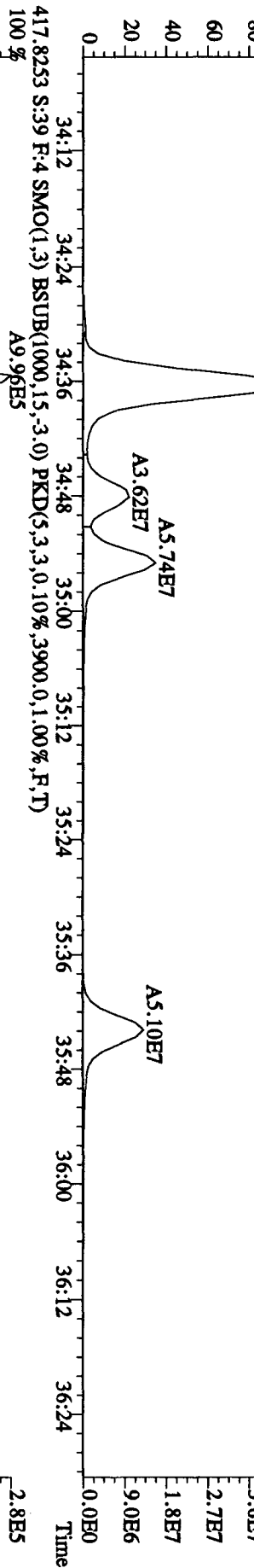
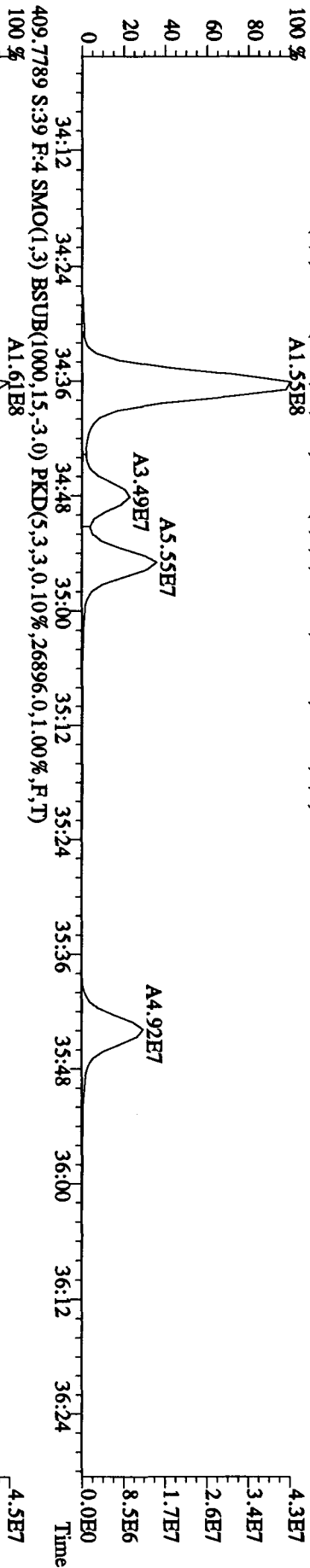
Analyst VJ Date 4.30.10

385.8610 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)
 100% A3.16E6
 Manual Edit Codes
 A2.93E6
 A6.22E6
 A9.38E6
 A1.59E7
 A1.15E7
 32:30 32:36 32:42 32:48 33:00 33:06 33:12 33:18 33:24 33:30 33:36
 Time

File:27AP104D5 #1-317 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20x) RI Exp:DIOXINRES8290A
 389.8157 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2248,0,1.00%,F,T)
 100%



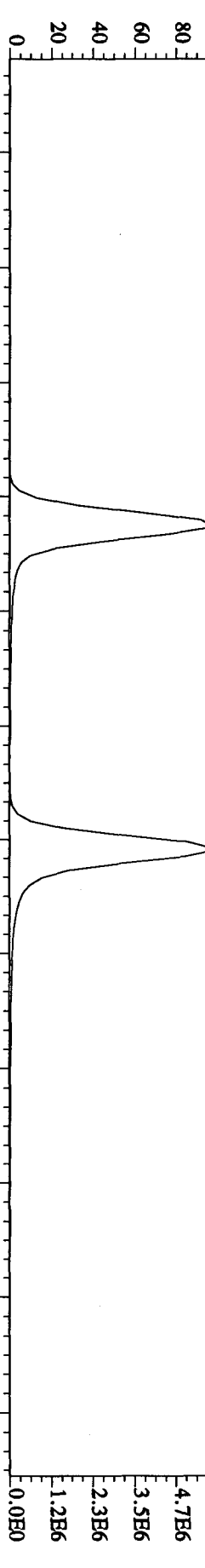
File:27AP104D5 #1-198 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-UtimaB
 Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20) RI Exp:DIOXINRES8290A
 407.7818 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6528,0.1,00%,F,T)
 100 % A1.55E8



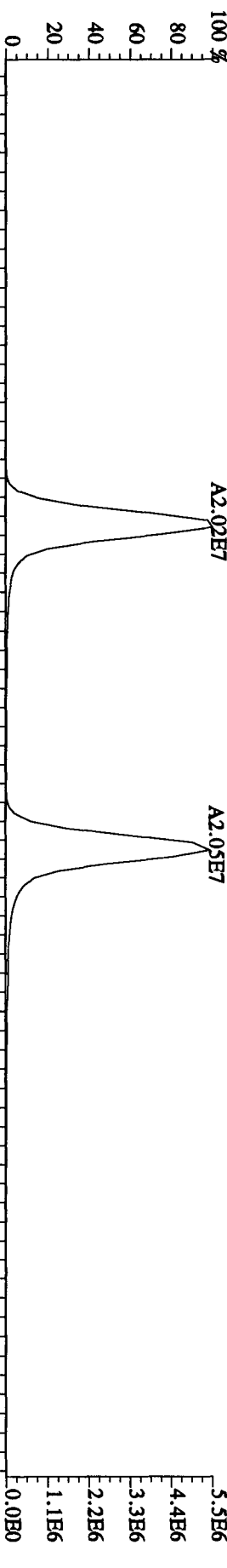
File:27AP104D5 #1-198 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-UltimaE

Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20%) RI Exp:DIOXINRES8290A

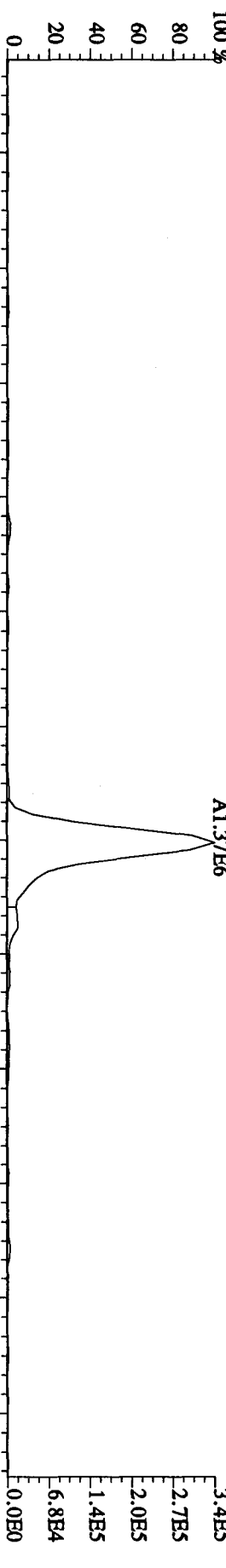
423.7766 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2468,0.1,00%,F,T)



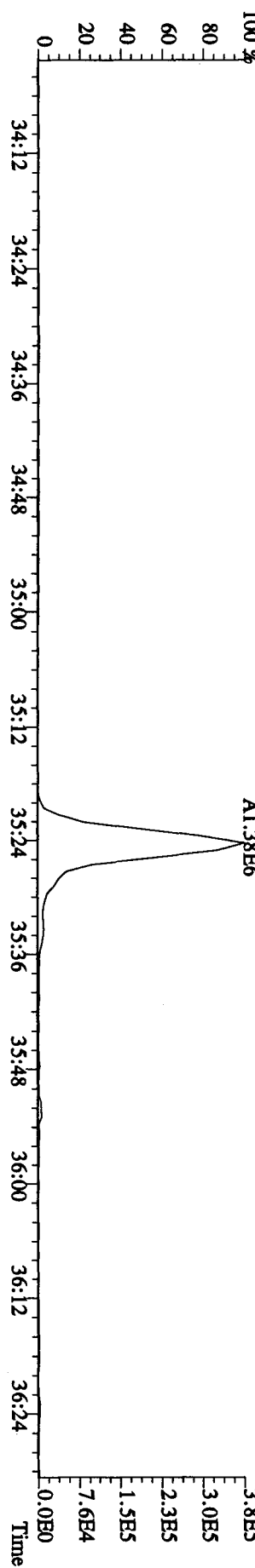
425.7737 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3172,0.1,00%,F,T)



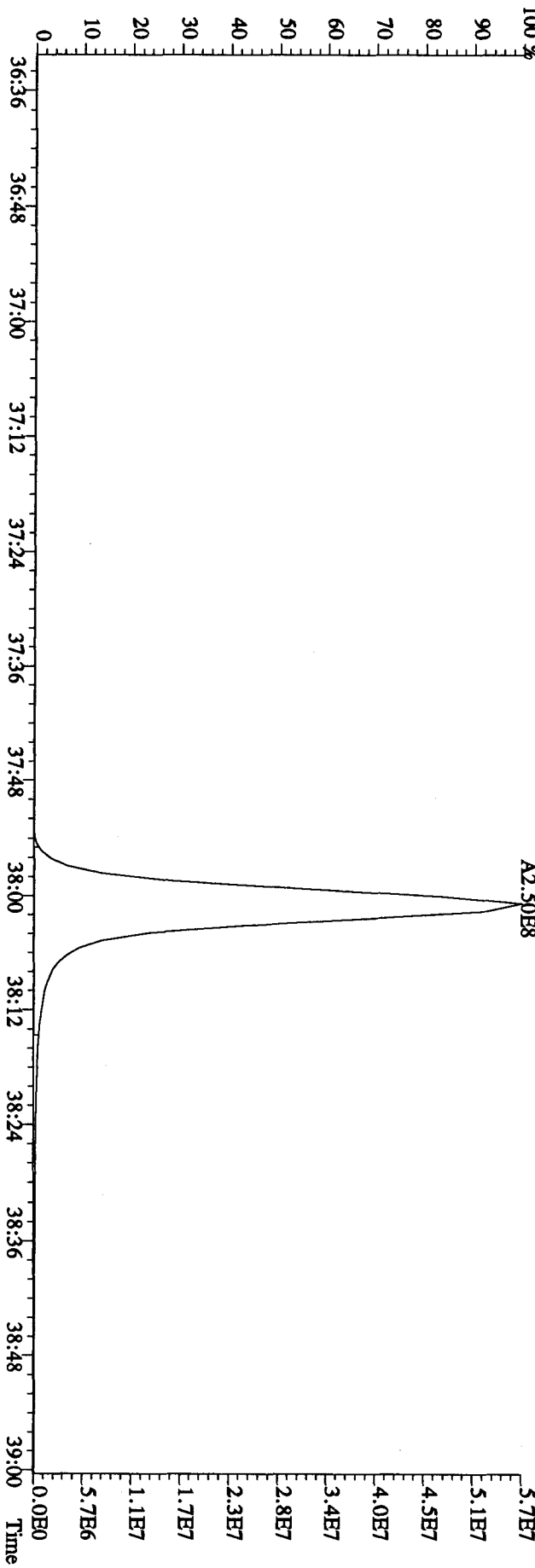
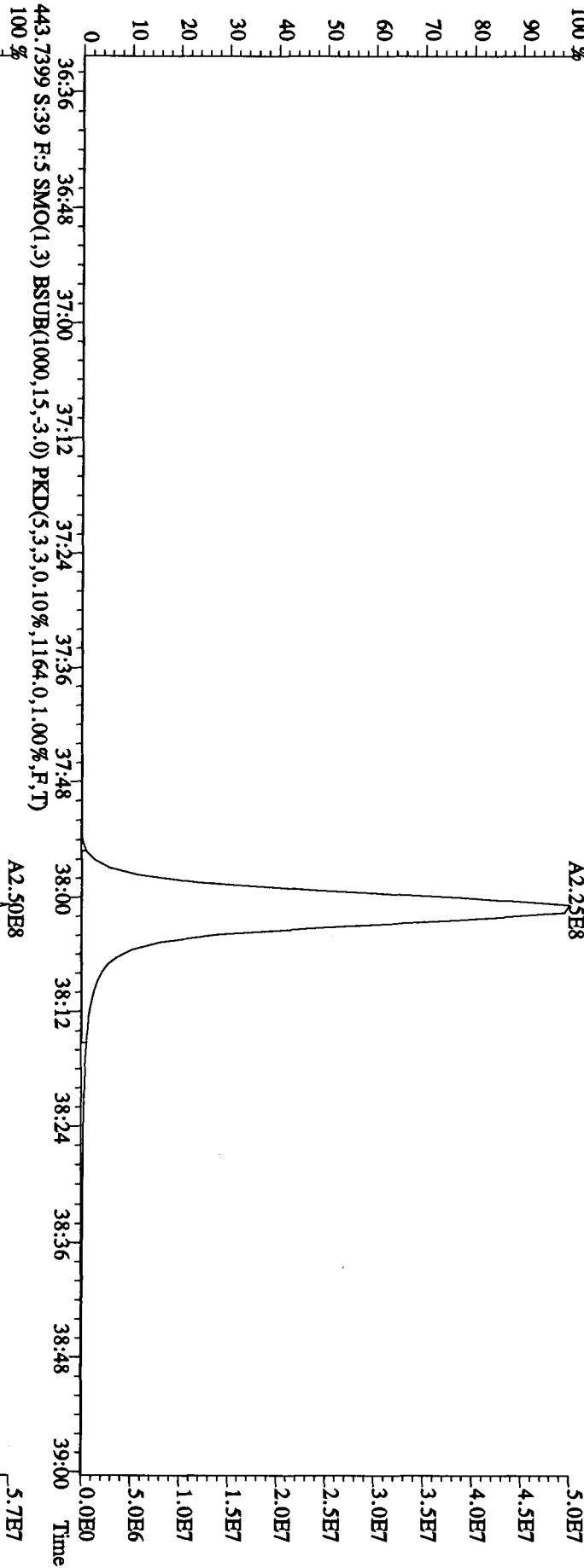
435.8169 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,324,0.1,00%,F,T)



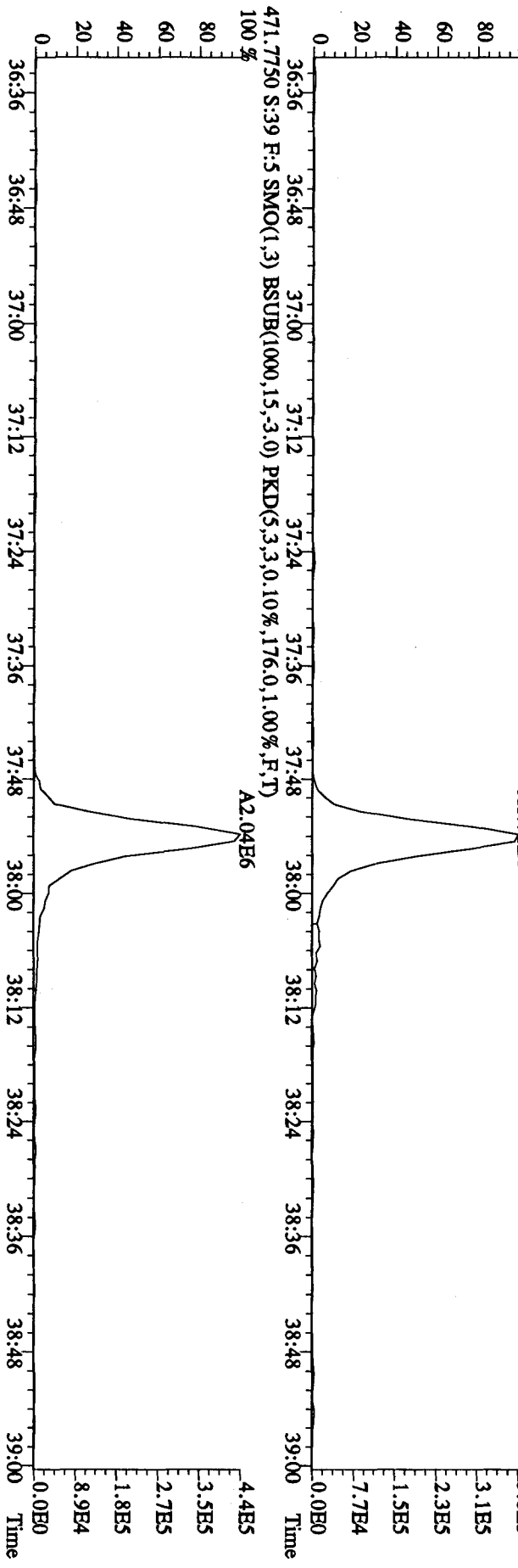
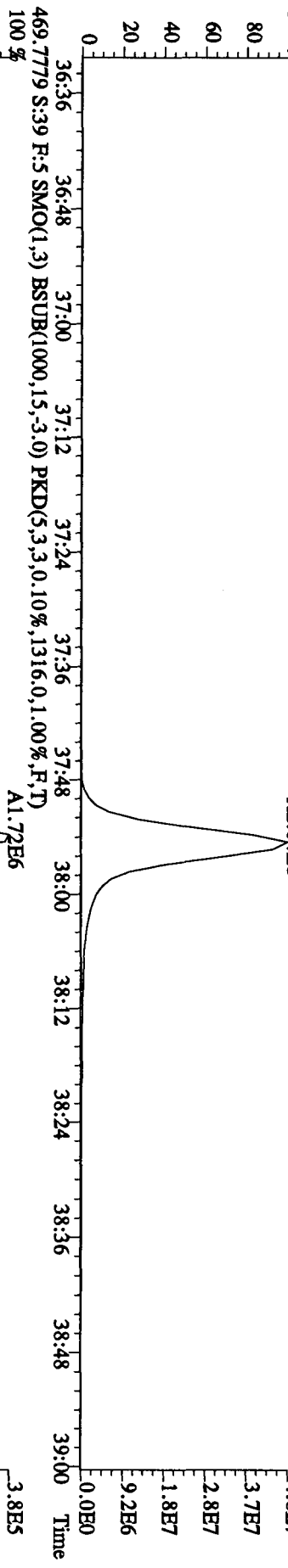
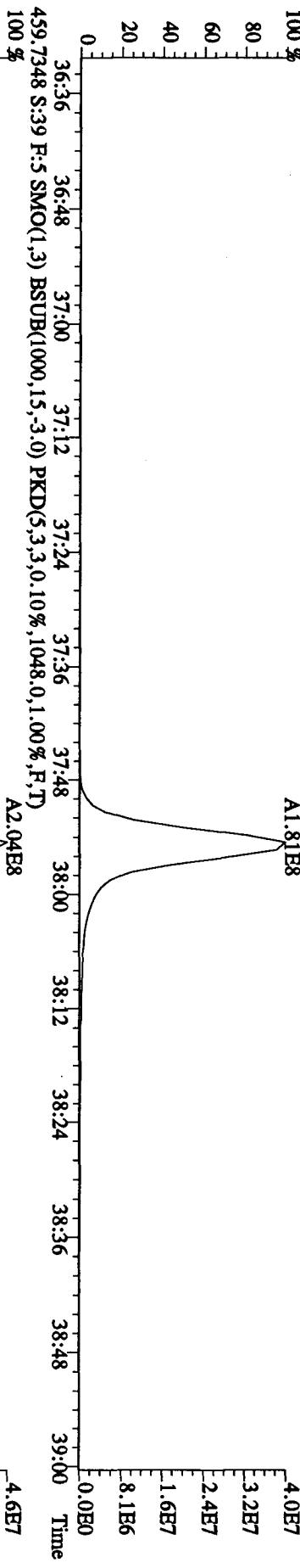
437.8140 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124,0.1,00%,F,T)



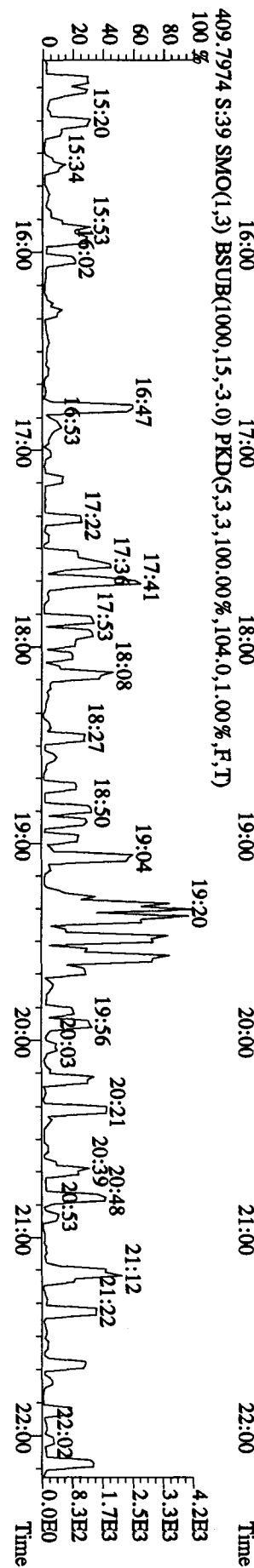
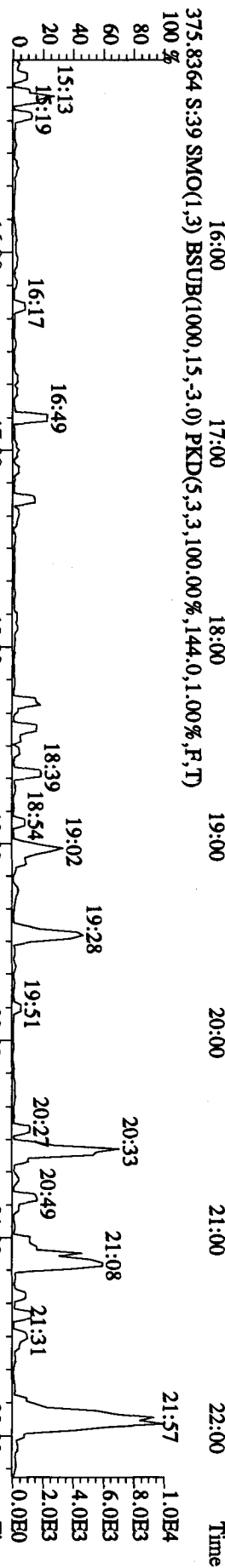
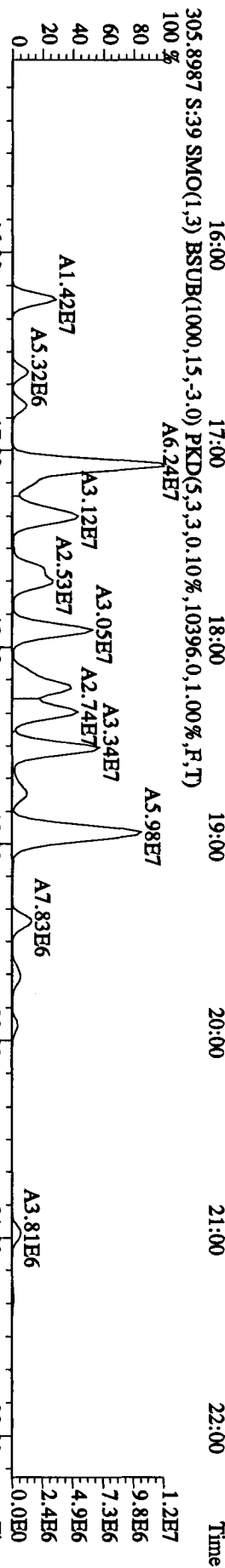
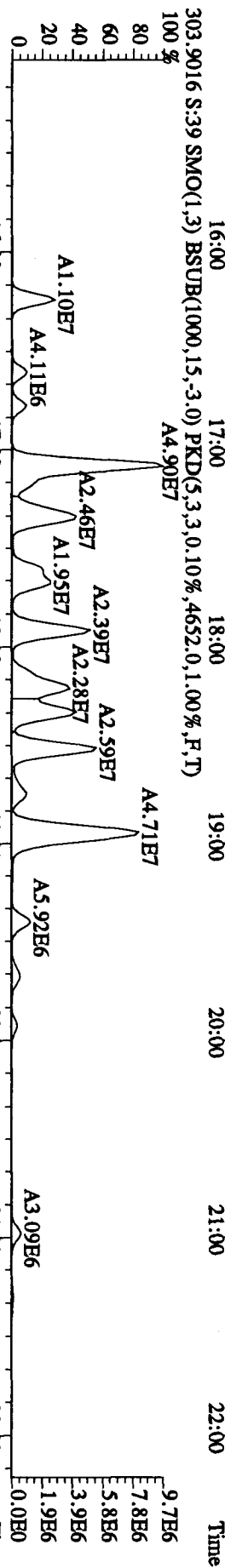
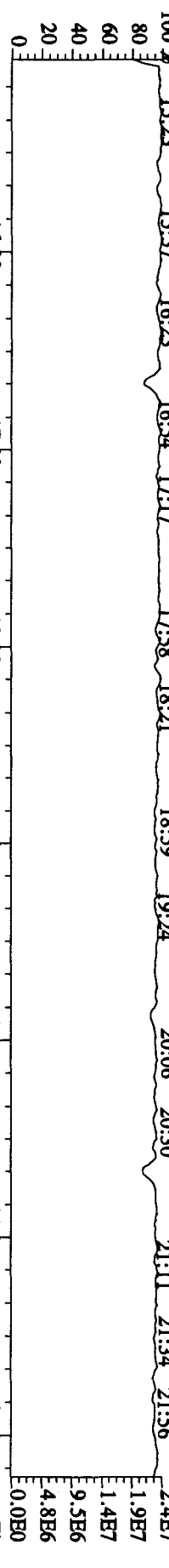
File: 27AP104D5 #1-190 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage: SIR Autospec-Ultimate
 Sample#39 Text: LXGLV-1-AC :G0D080425-50 (20x) RI Exp: DIOXINRES8290A
 441.7428 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1028.0,1.00%,F,T)



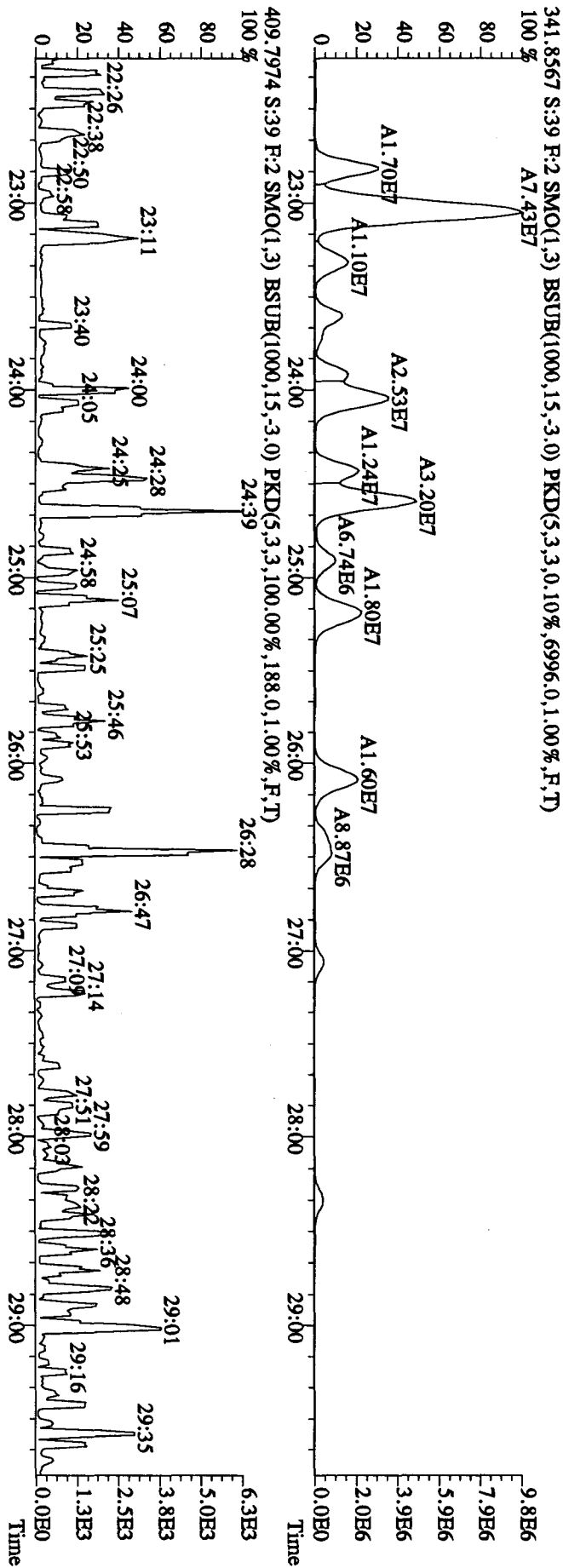
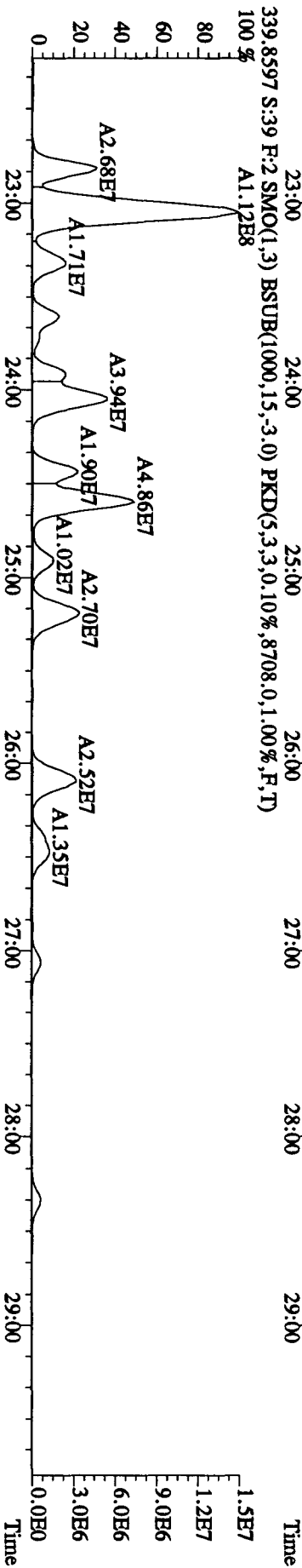
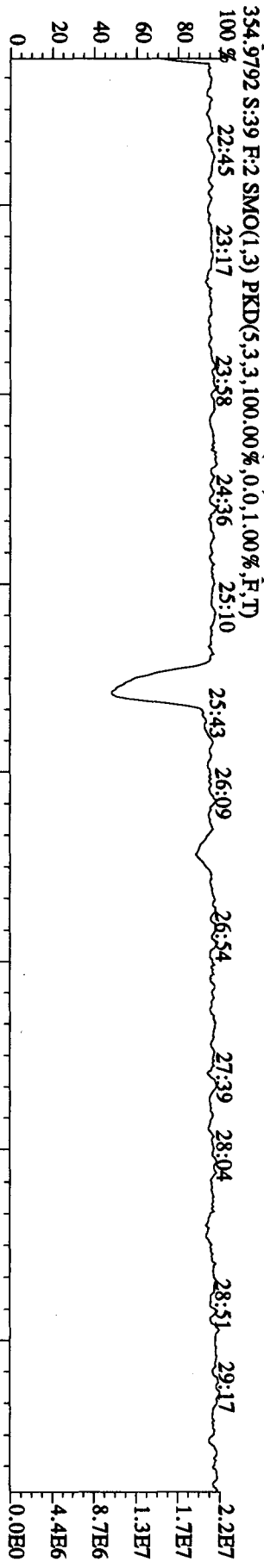
File:27AP104D5 #1-190 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20%) RI Exp:DIOXINRES8290A
 457.7377 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1612.0,1.00%,F,T)



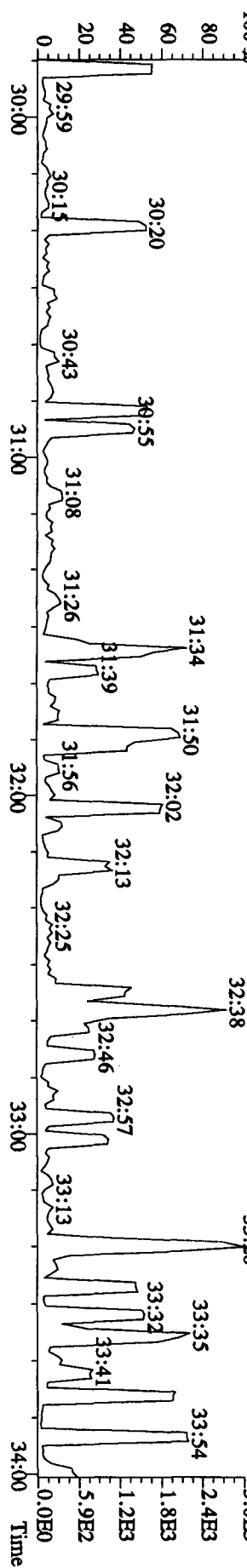
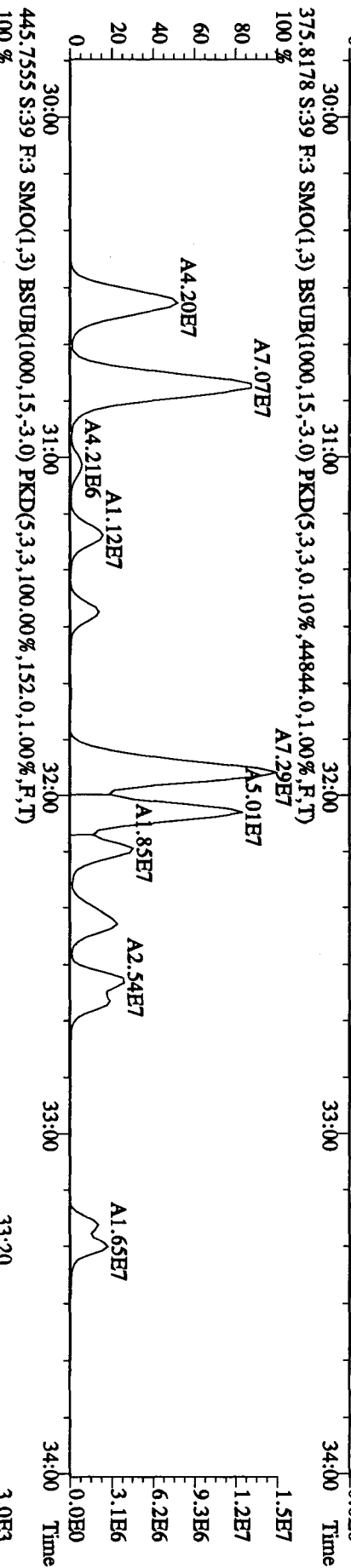
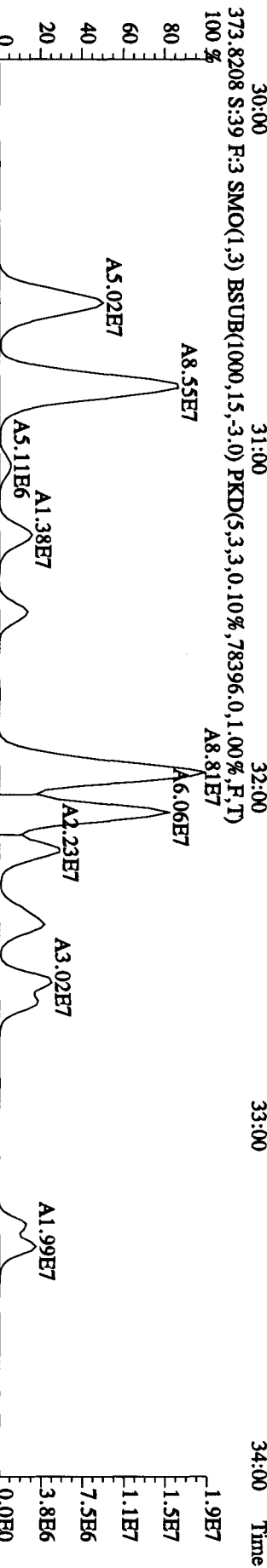
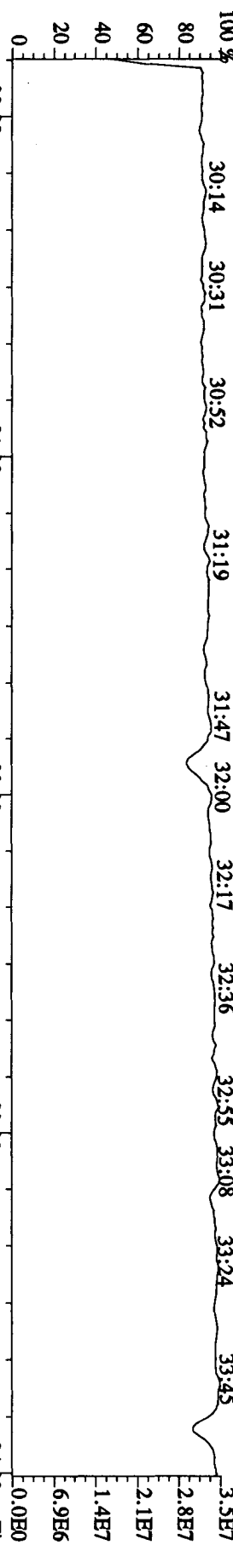
File: 27AP104D5 #1-434 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage: SIR Autospec-UltimaE
 Sample#39 Text: LX6LV-1-AC : GOD080425-50 (20) RI Exp: DIOXINRES8290A
 354.9792 S:39 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:27AP104D5 #1-604 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20x) RI Exp:DIOXINRES8290A



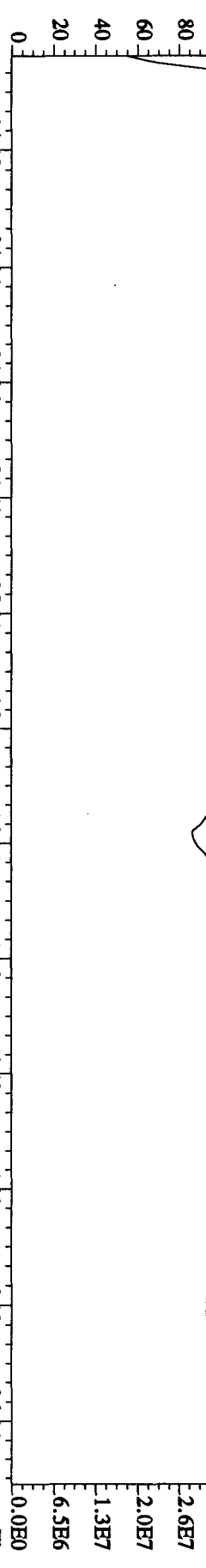
File:27AP104D5 #1-317 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#39 Text:LXGLV-1.AC :G0D080425-50 (20x) RI Exp:DIOXINRES8290A
 430.9728 S:39 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



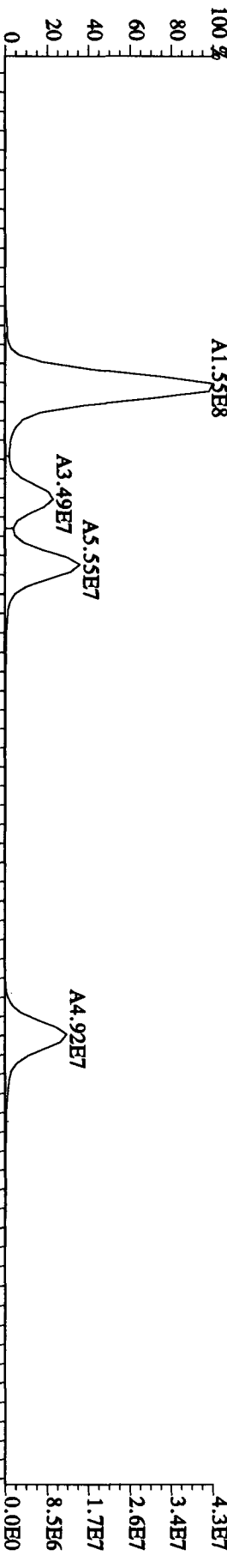
File: 27AP104D5 #1-198 Acq: 28-APR-2010 15:46:48 GC EI+ Voltage: SIR Autospec-UltimaB

Sample#39 Text: LXGLV-1-AC :G0D080425-50 (20) RI Exp: DIOXINRES8290A

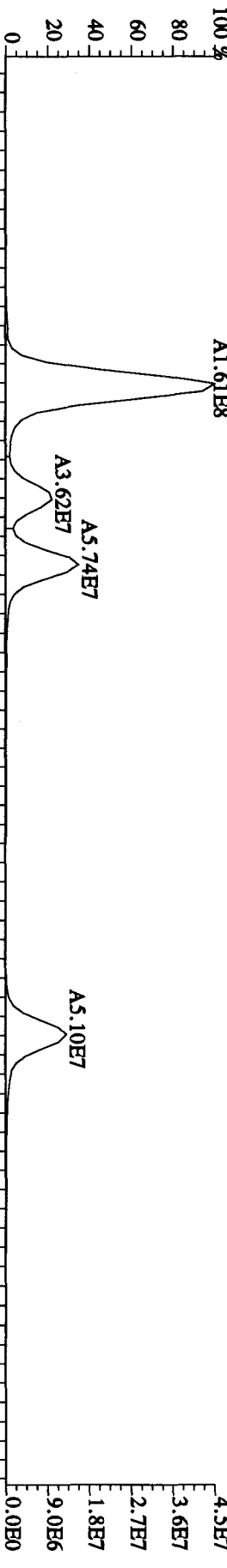
430.9728 S:39 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



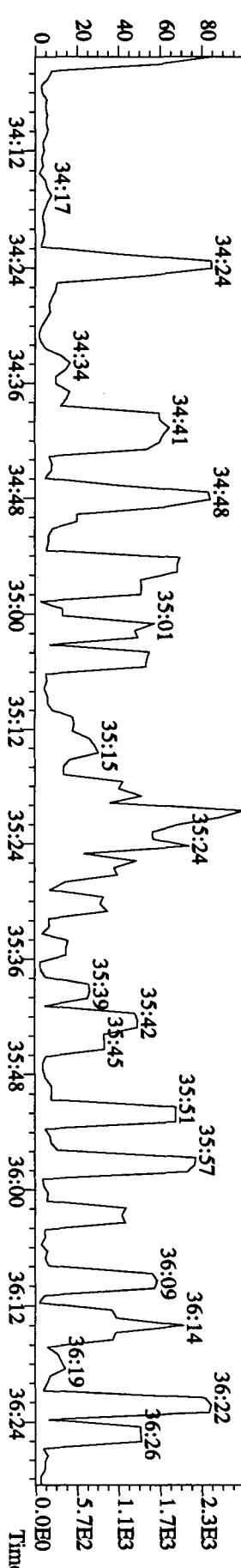
407.7818 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6528,0,1.00%,F,T)



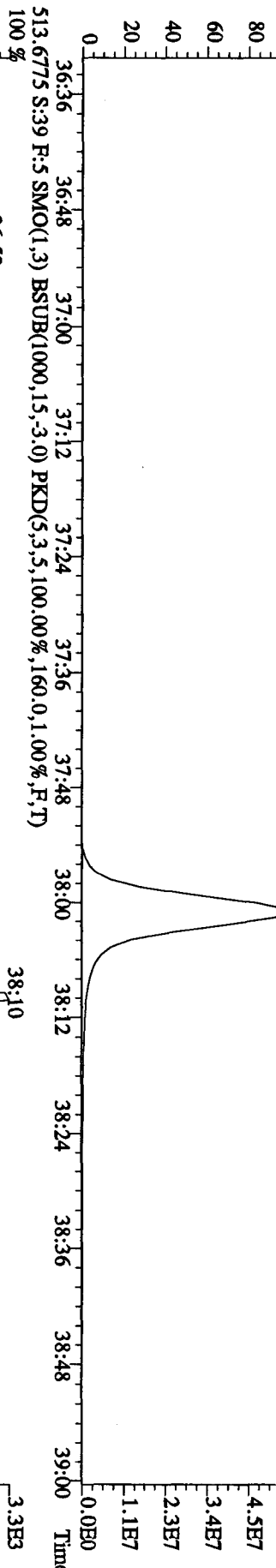
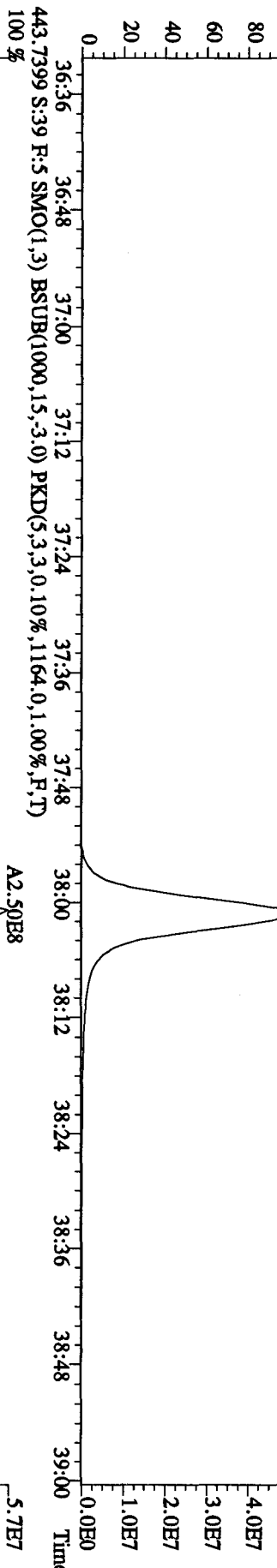
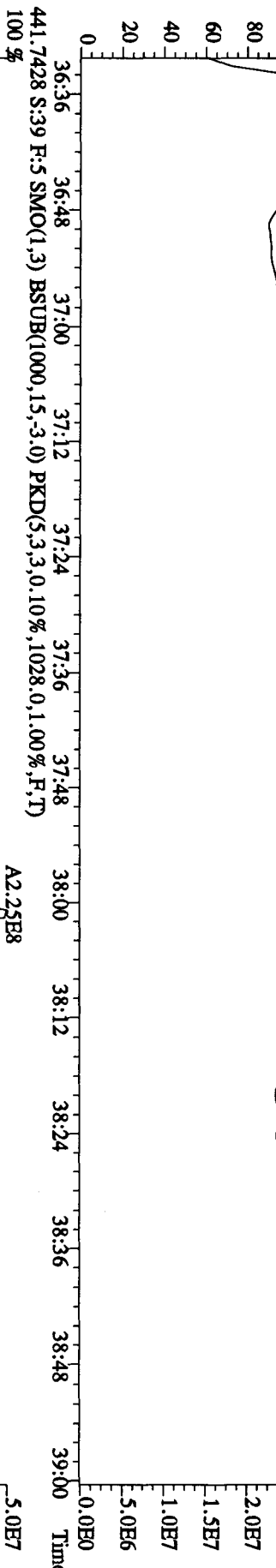
409.7789 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26896,0,1.00%,F,T)



479.7165 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,196,0,1.00%,F,T)



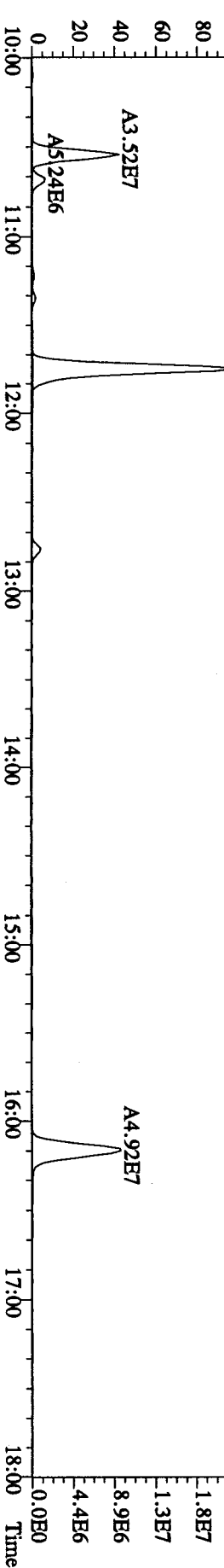
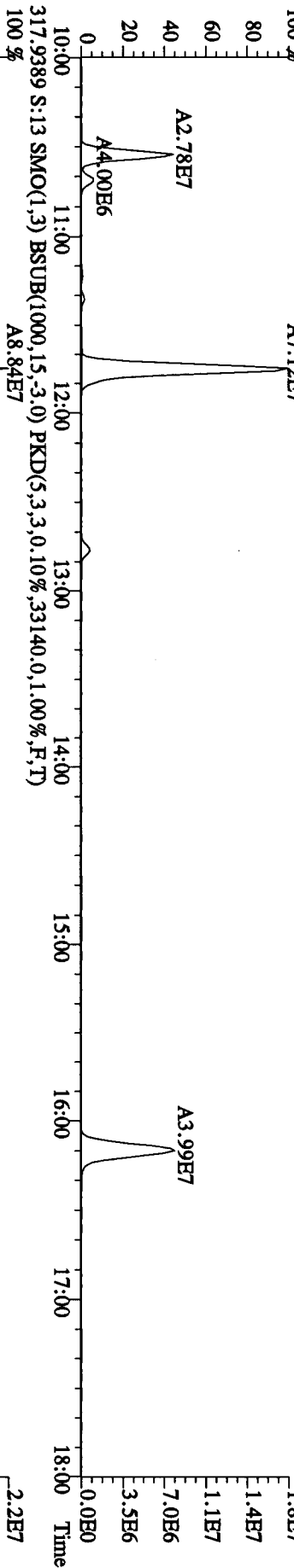
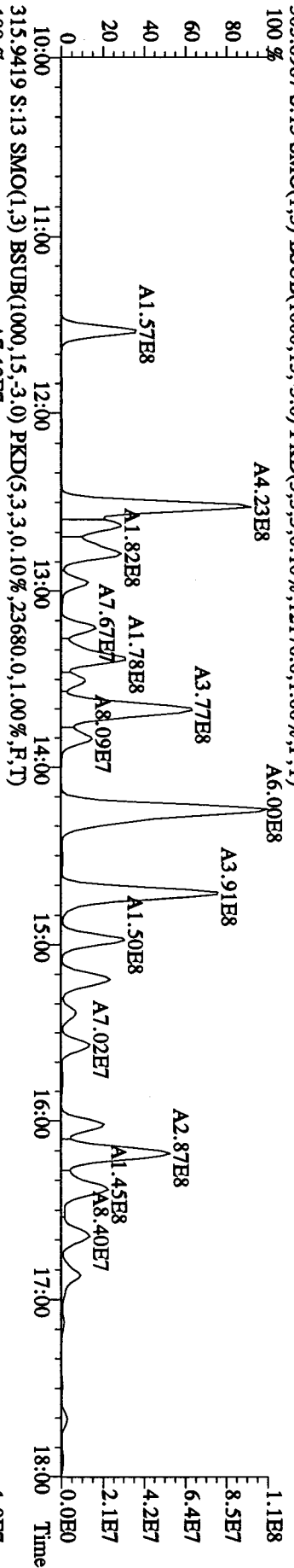
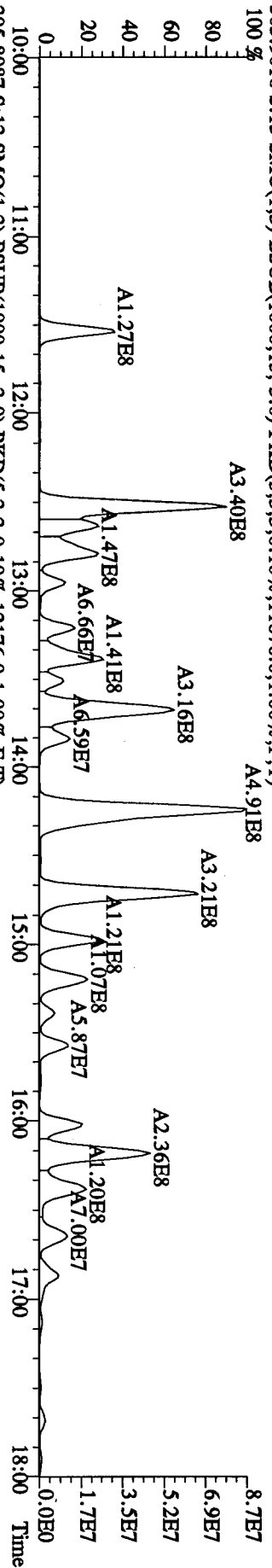
File:27AP104D5 #1-190 Acq:28-APR-2010 15:46:48 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#39 Text:LX6LV-1-AC :G0D080425-50 (20x) RI Exp:DIOXINRES8290A
 442.9728 S:39 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 36:40 37:11 37:22 37:35 37:43 38:02 38:11 38:22 38:33 38:45 38:54 2.5E7



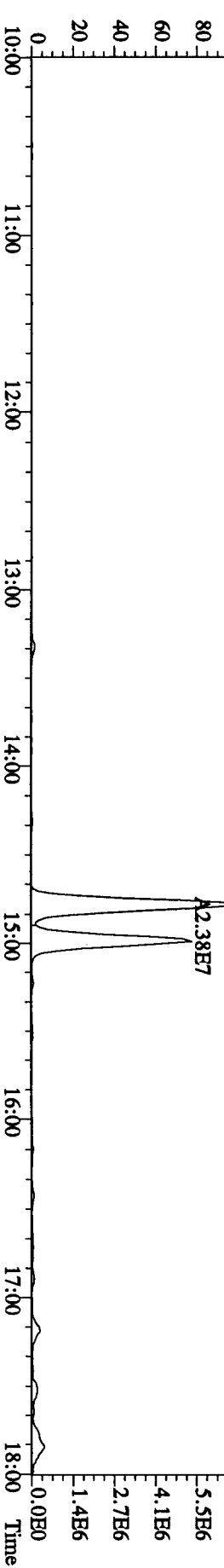
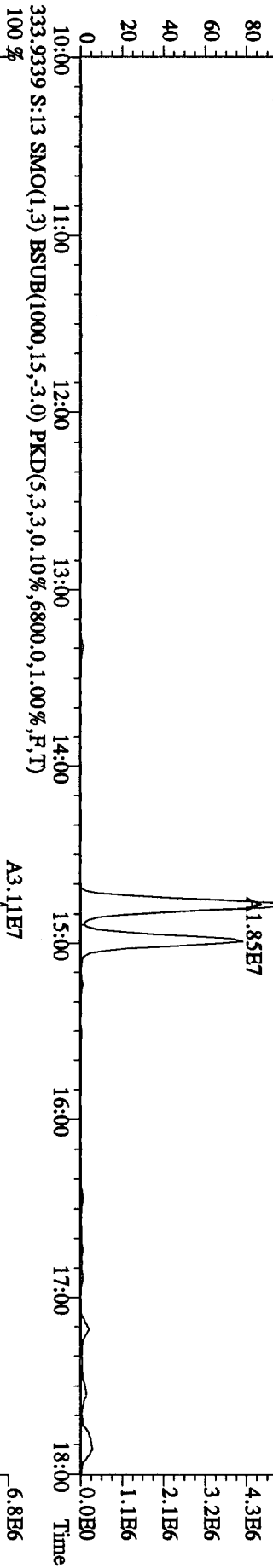
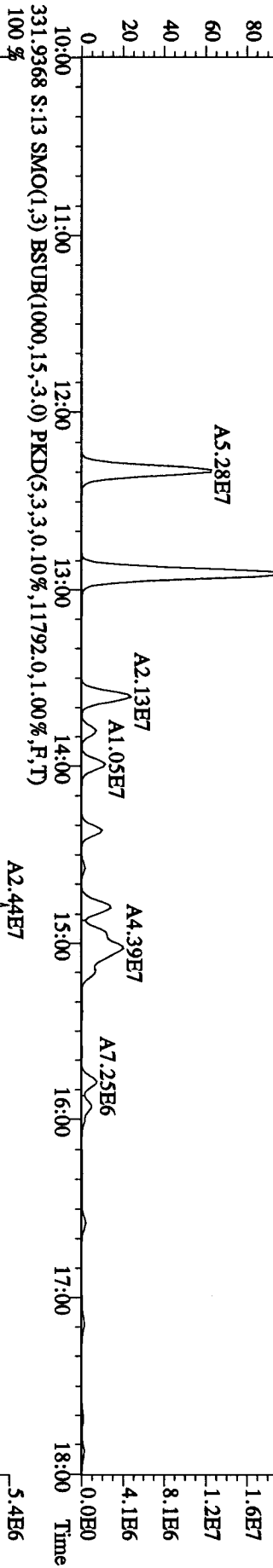
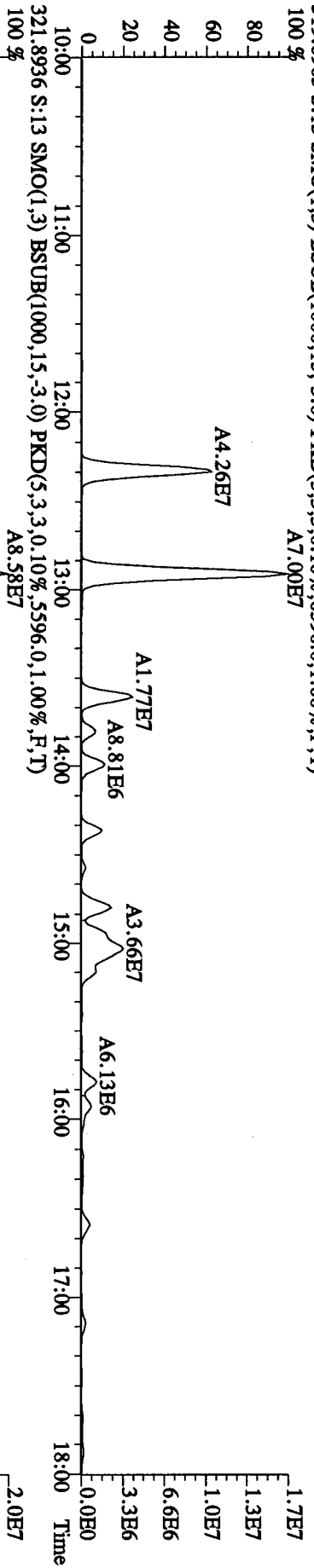
Run text: LX6LV-1-AC Sample text: LX6LV-1-AC :G0D080425-50
 Run #18 Filename: 27AP105D2 S: 13 I: 1 Results: 27AP105D2DB225
 Acquired: 27-APR-10 18:50:31 Processed: 27-APR-10 21:48:47
 Run: 27AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.17007g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	42255400	0.78 y	14:59	-	4.18	-	-	n
13C-2,3,7,8-TCDF	89152100	0.81 y	16:10	2.11	98.49	0.84	50.1	n
2,3,7,8-TCDF	522896000	0.82 y	16:11	1.09	1059.70	0.75	-	n
13C-2,3,7,8-TCDD	55529100	0.79 y	14:47	0.95	136.24	0.61	69.3	n
2,3,7,8-TCDD	26339100	0.81 y	14:48	1.36	68.73	0.44	-	n
37Cl-2,3,7,8-TCDD	53806000	1.00 y	14:48	2.28	54.96	0.52	69.9	n

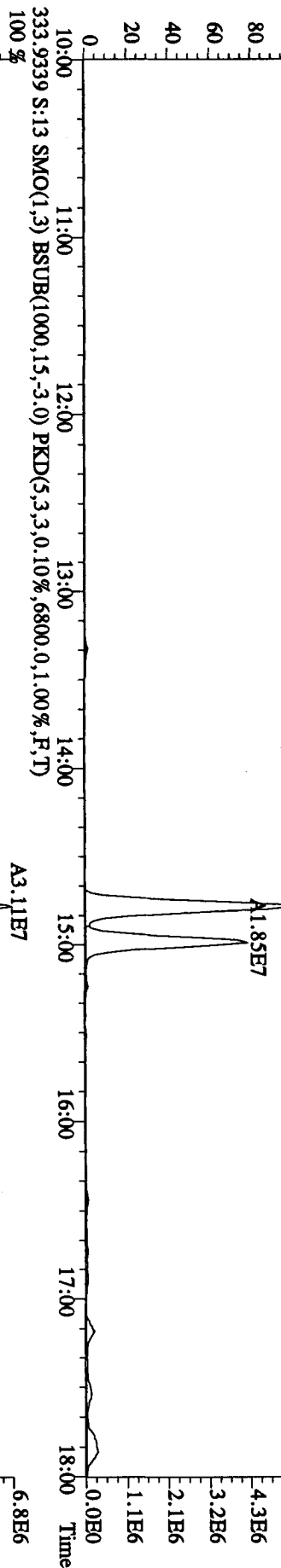
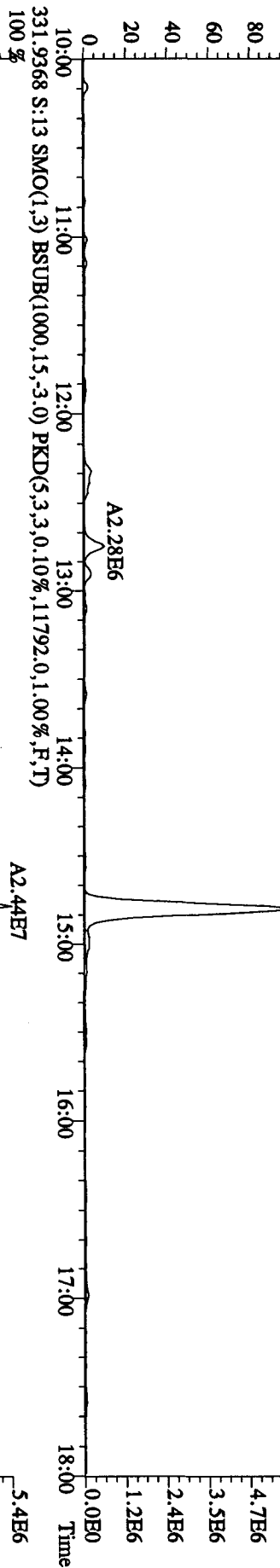
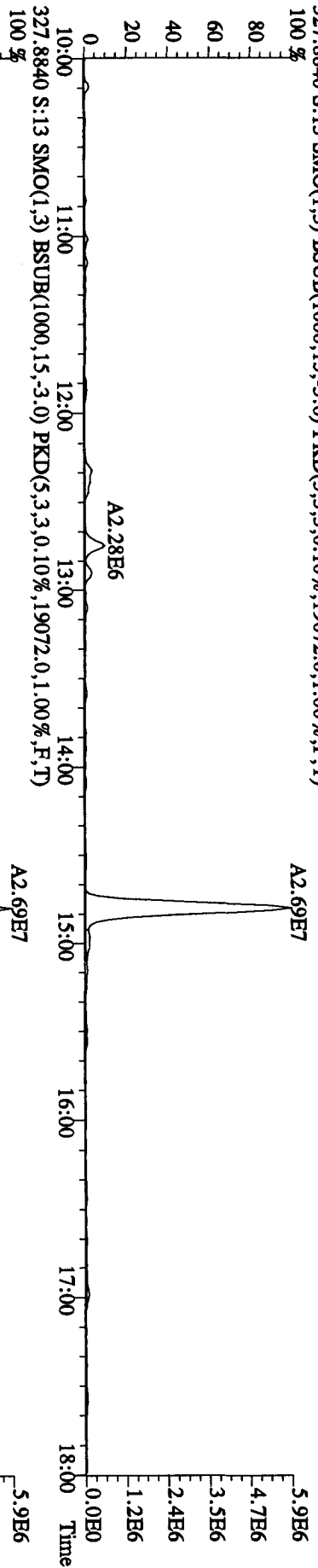
VA 4.30.6



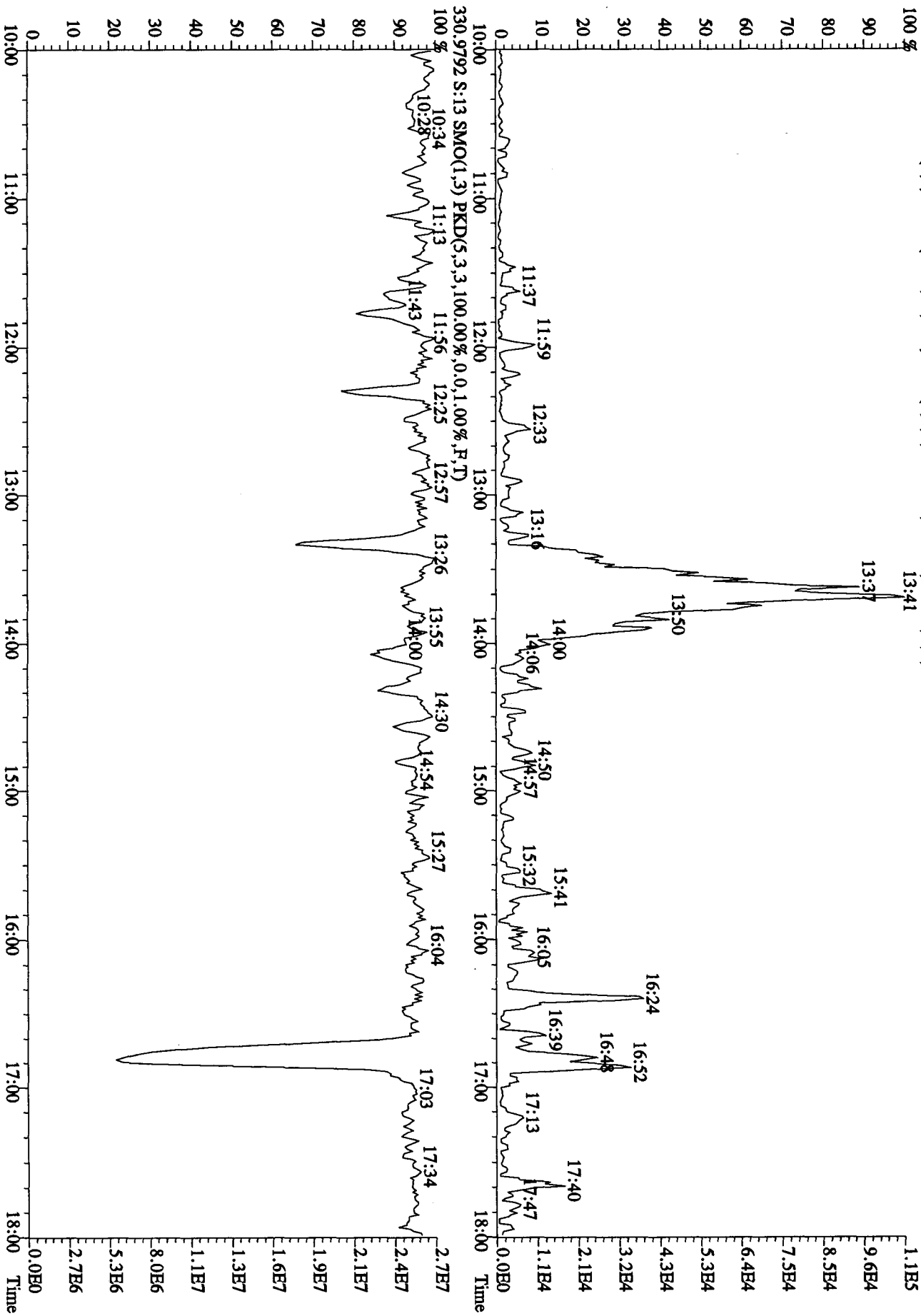
File:27AP105D2 #1-1242 Acq:27-APR-2010 18:50:31 GC EI+ Voltage SIR 70SE
 Sample#13 Text:LX6LV-1-AC :G0D080425-50 Exp:DB225
 319,8965 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6596,0,1.00%,F,T)
 100 % A7.00E7



File:27API05D2 #1-1242 Acq:27-APR-2010 18:50:31 GC EI + Voltage SIR 70SE
 Sample#13 Text:LX6LV-1-AC :G0D080425-50 Exp:DB225
 327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,19072.0,1.00%,F,T)
 100 %



File: 27ADP105D2 #1-1242 Acq: 27-APR-2010 18:50:31 GC EI+ Voltage SIR 70SE
 Sample#13 Text: LX6LV-1-AC : G0DD080425-50 Exp: DB225
 375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,1500,0,1,00%,F,T)



VB 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	2287.42	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

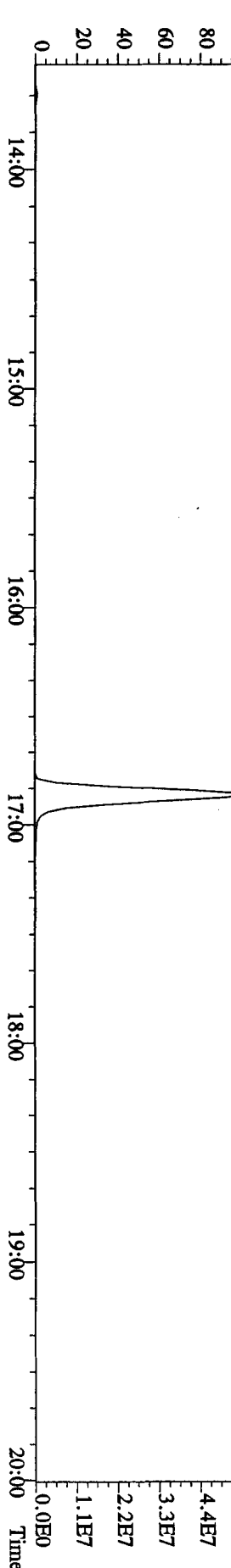
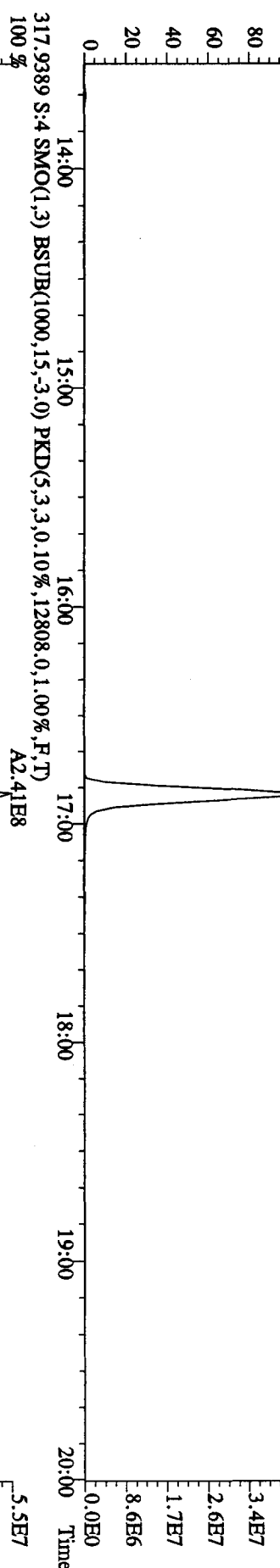
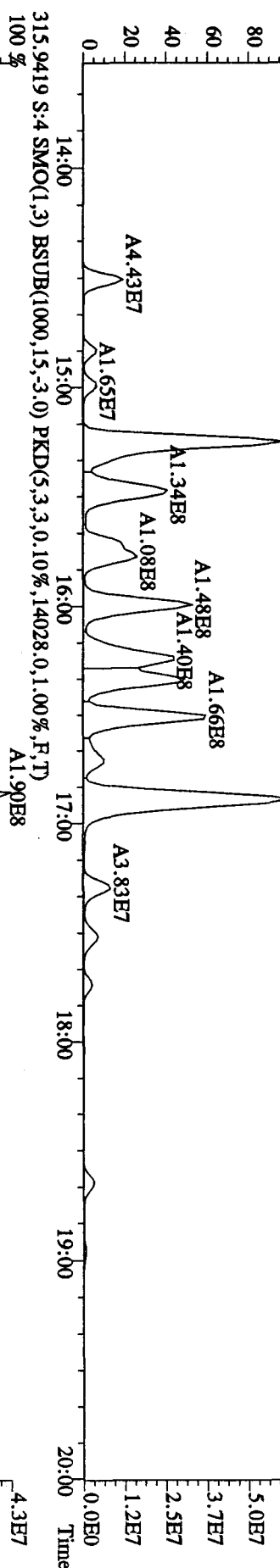
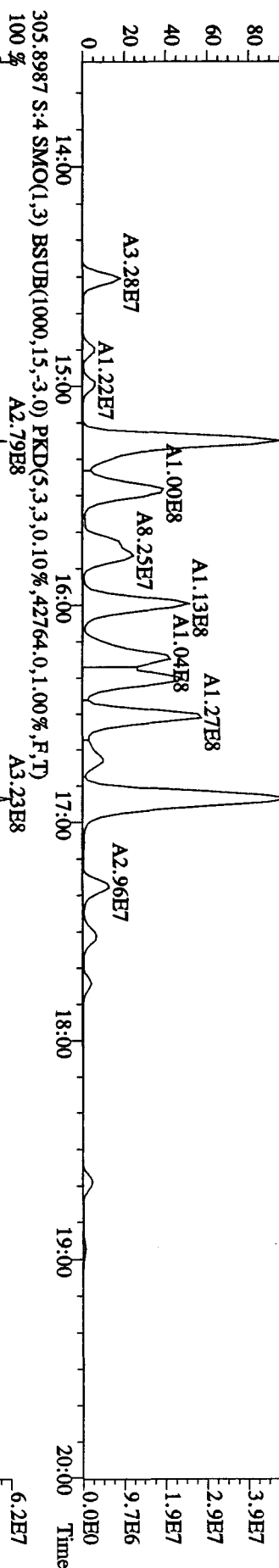
Run text: LX0PR-1-AE Sample text: LX0PR-1-AE :G0D140543-10
 Run #8 Filename: 29AP101D5 S: 4 I: 1 Results: 29AP101D58290
 Acquired: 29-APR-10 11:47:48 Processed: 29-APR-10 22:38:43
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.05 g

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

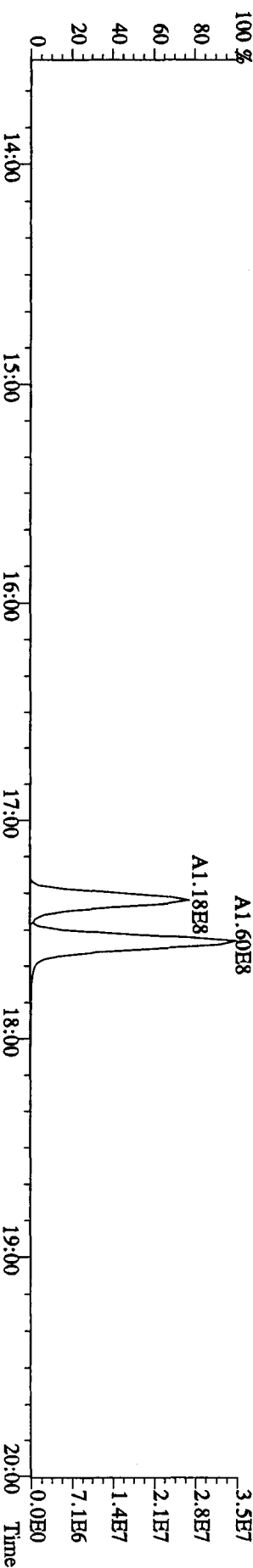
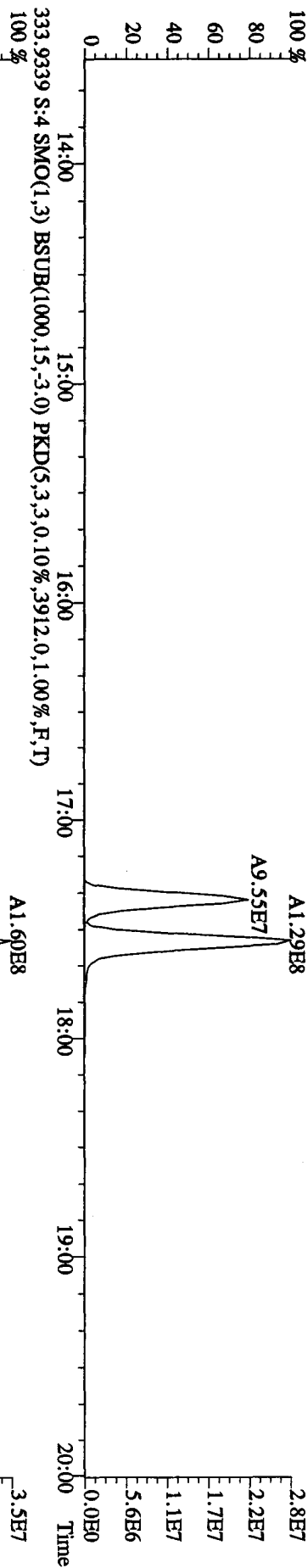
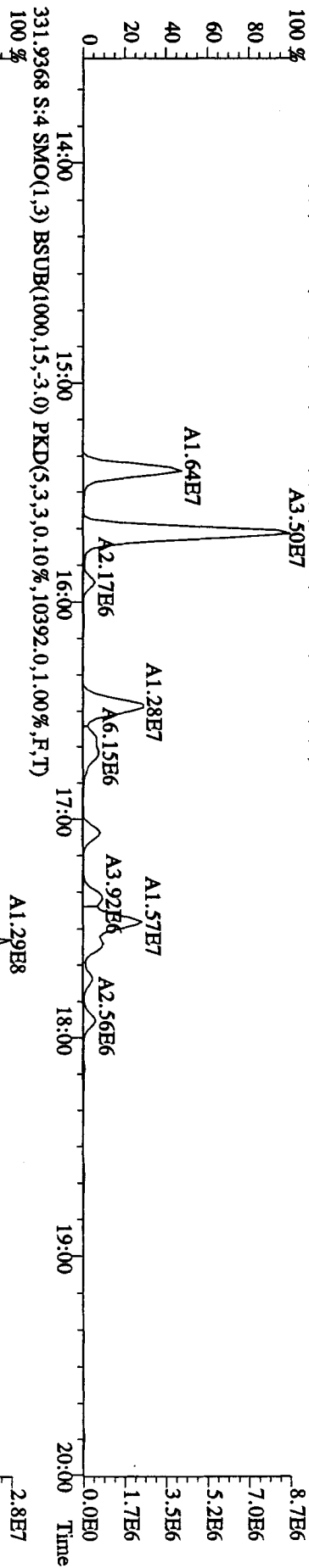
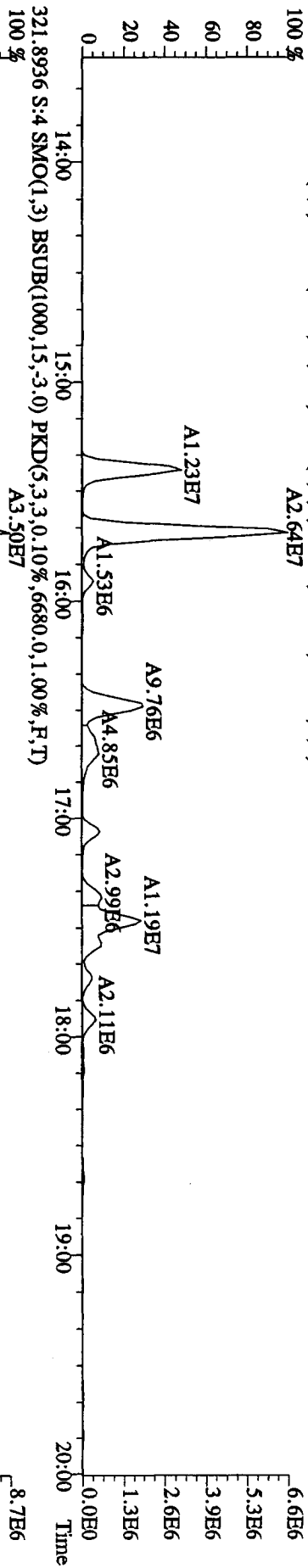
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE

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

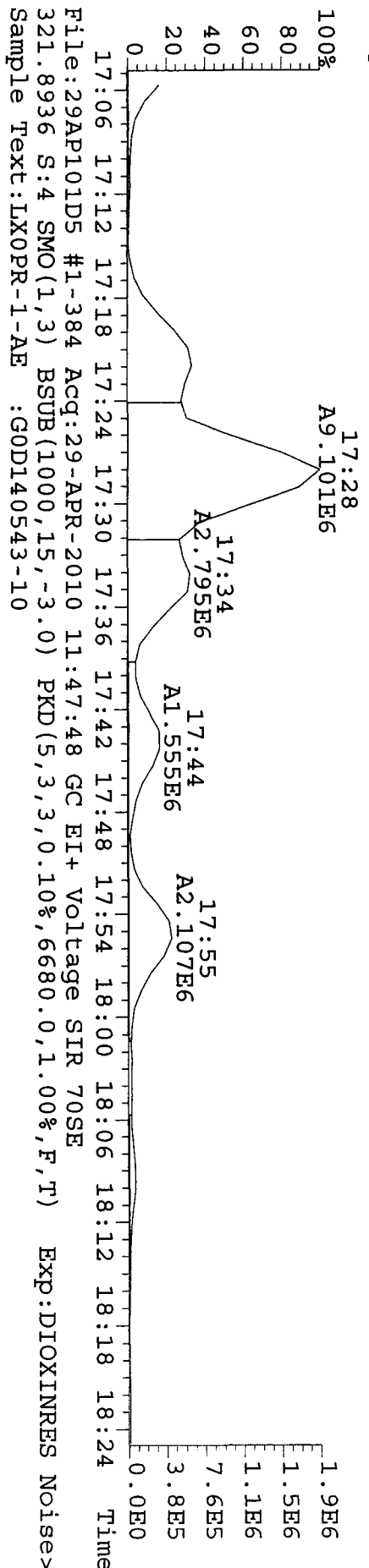
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32188,0.1,0.0%,F,T) 100% A2.11E8 A2.49E8



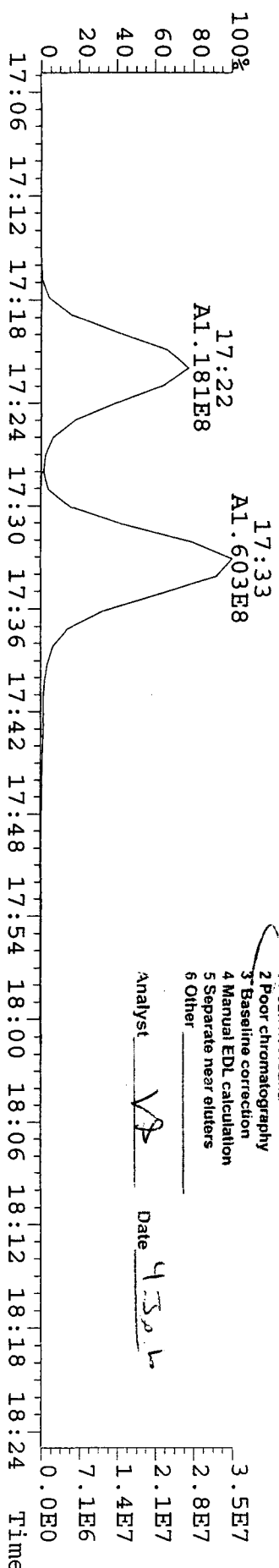
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :G0DD140543-10 Exp:DIOXINES
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6940,0,1,00%,F,T)
 100 % A2.64E7



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



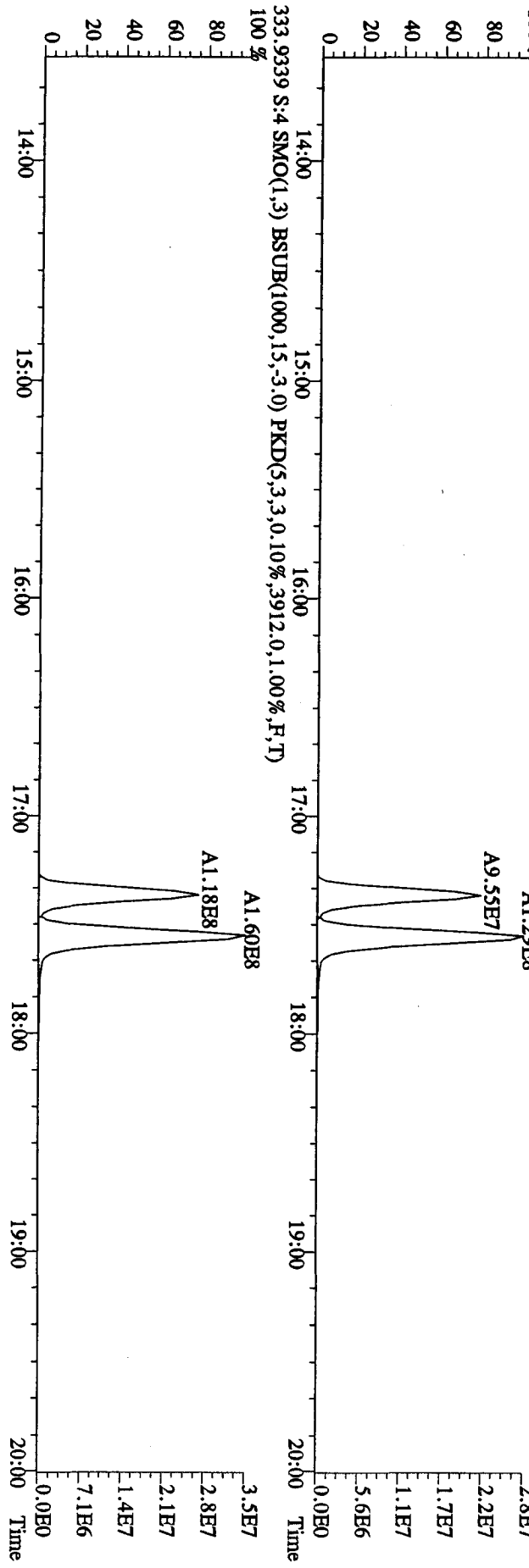
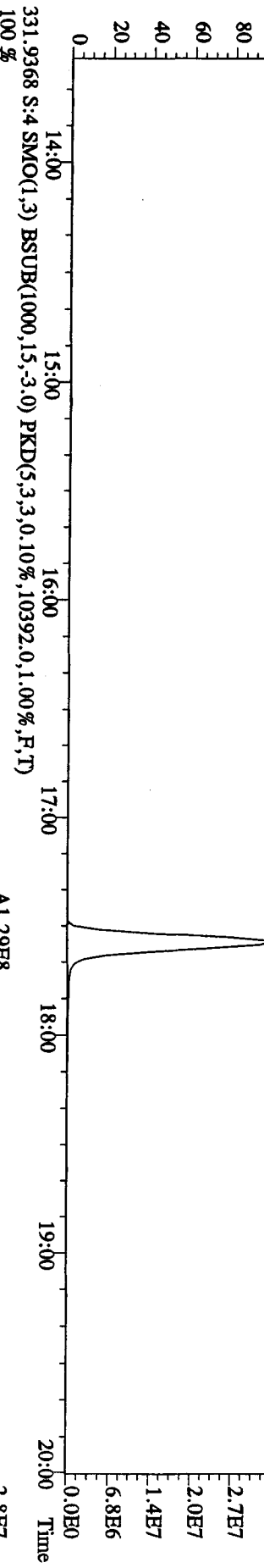
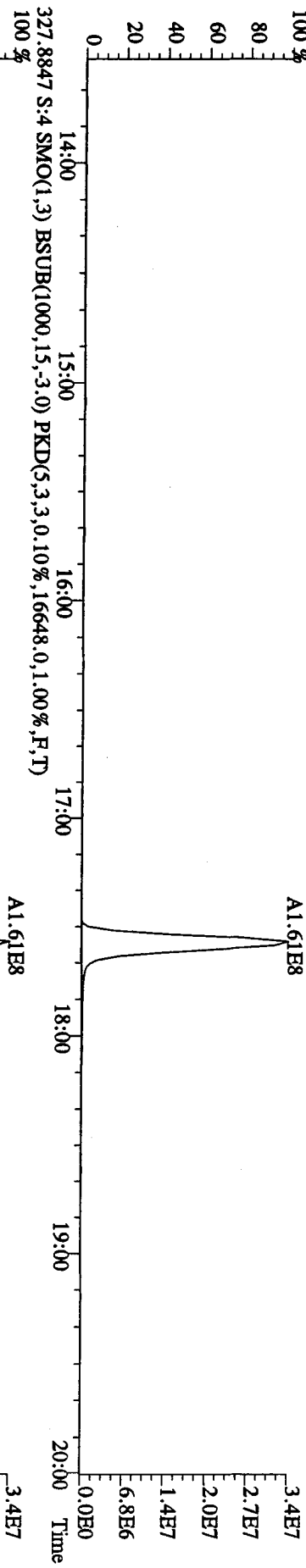
File: 29API01D5 #1-384 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 321.8936 S: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6680.0,1.00%,F,T) Exp: DIOXINRES Noise
 Sample Text: LX0PR-1-AE : GOD140543-10



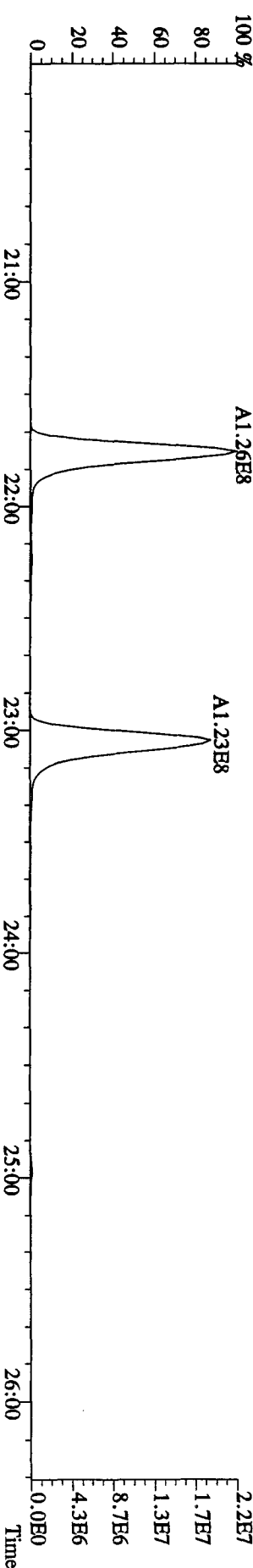
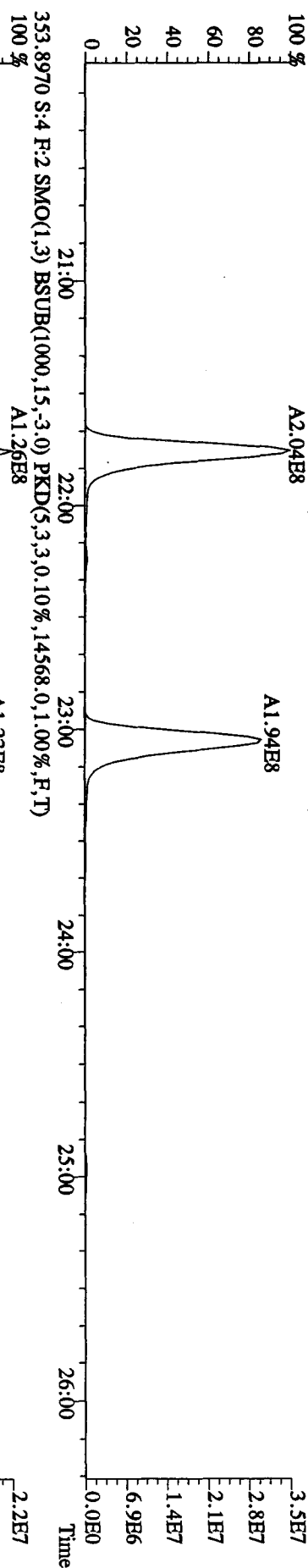
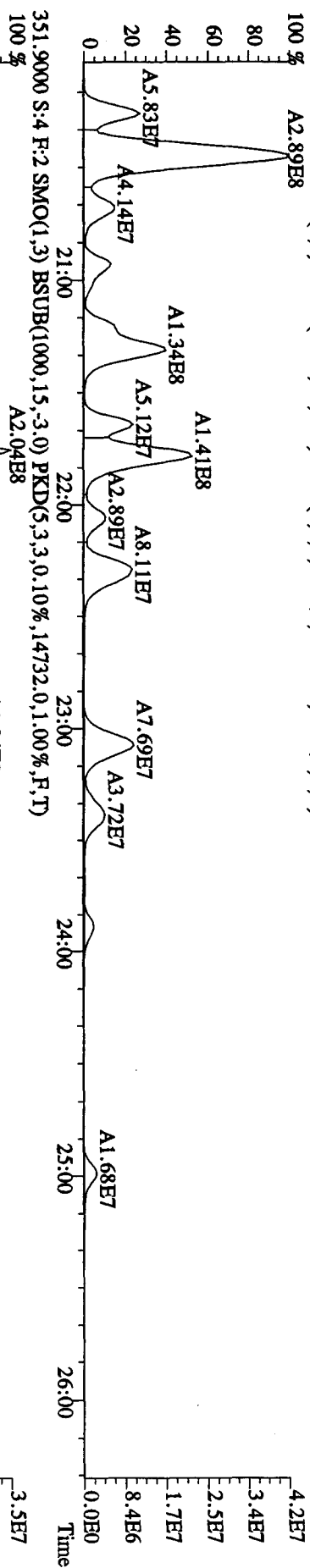
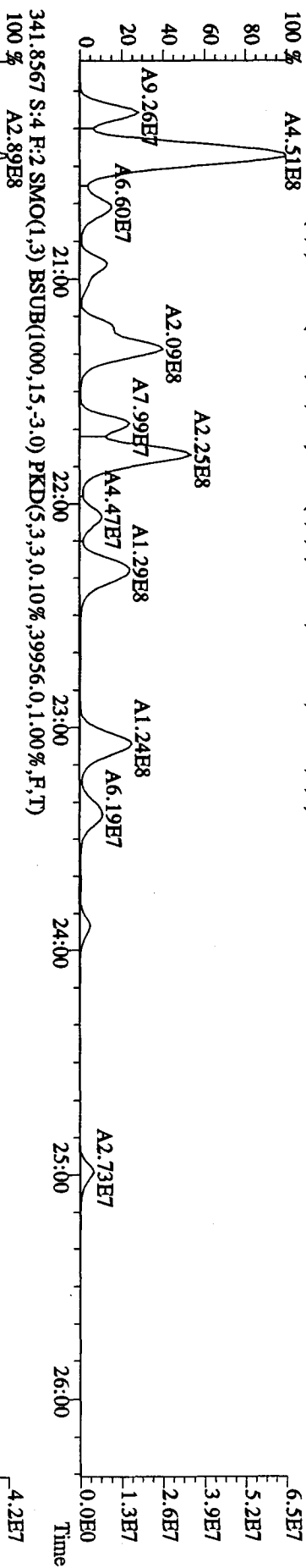
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: VB Date: 4-30-10

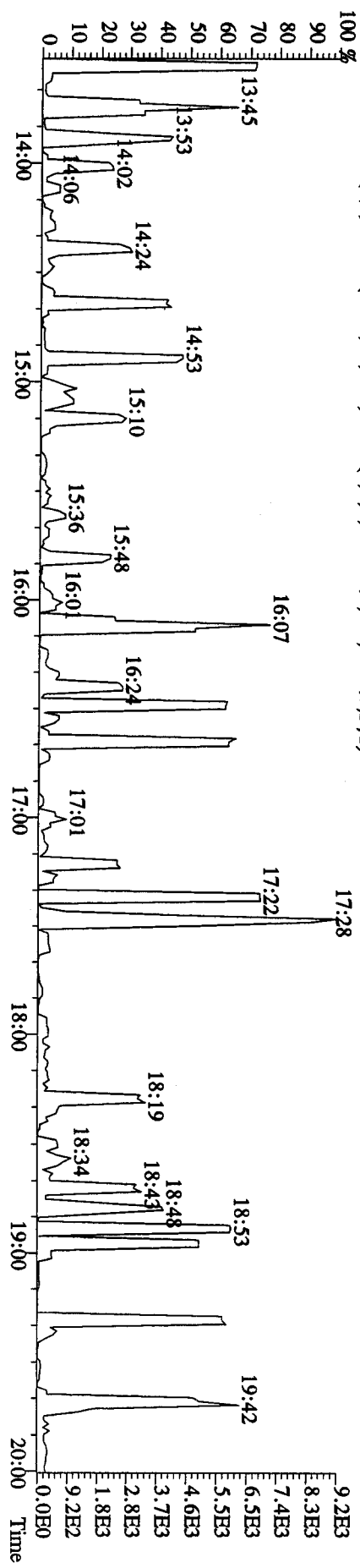
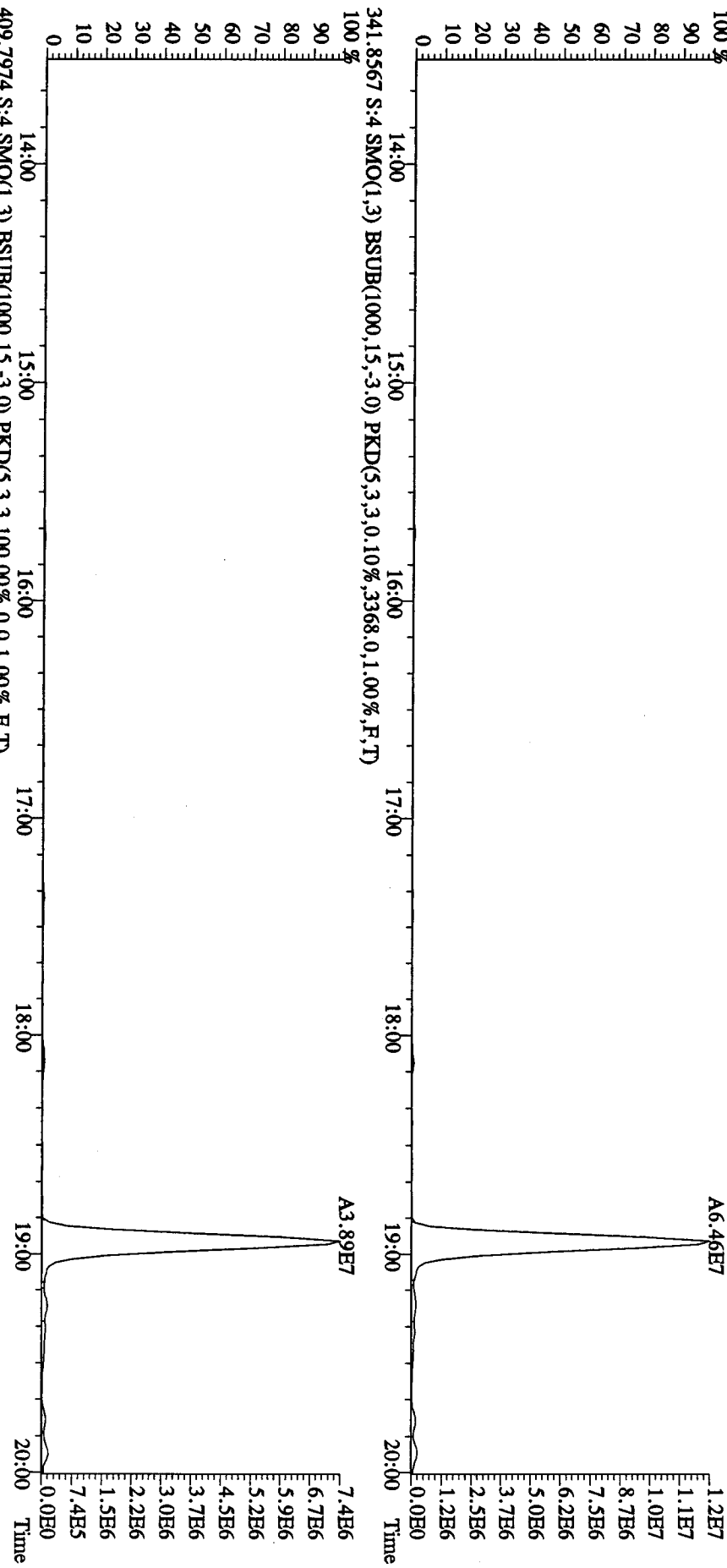
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :G0D140543-10 Exp:DIOXINRES
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,16648,0,1,00%,F,T)



File:29AP1010ID5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :G0D140543-10 Exp:DIOXINES
 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)



File:29AP1010D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Tex: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%,.3560,0.1,0.0%,F,T)

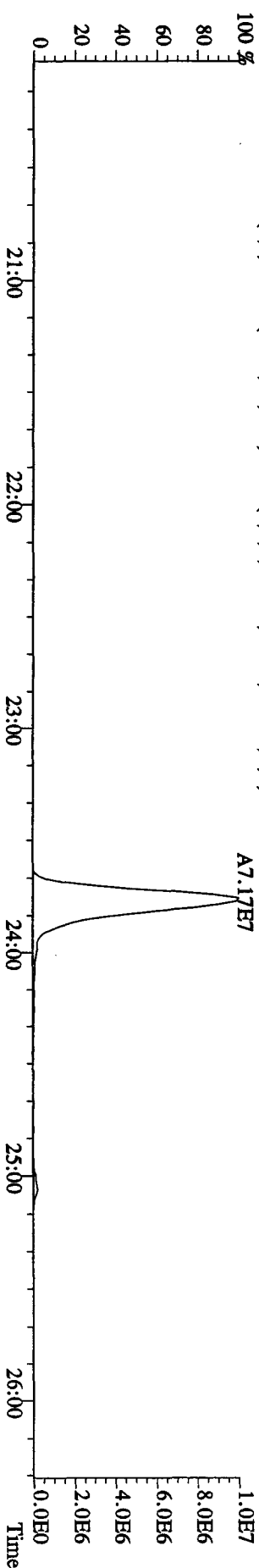
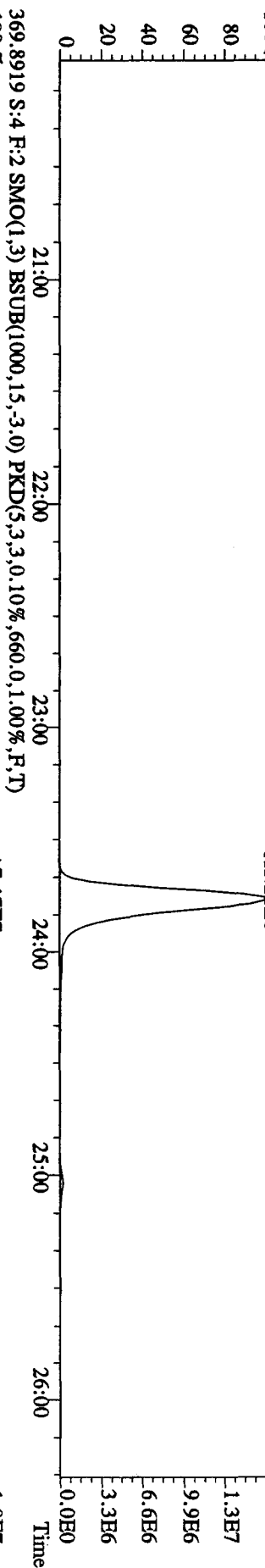
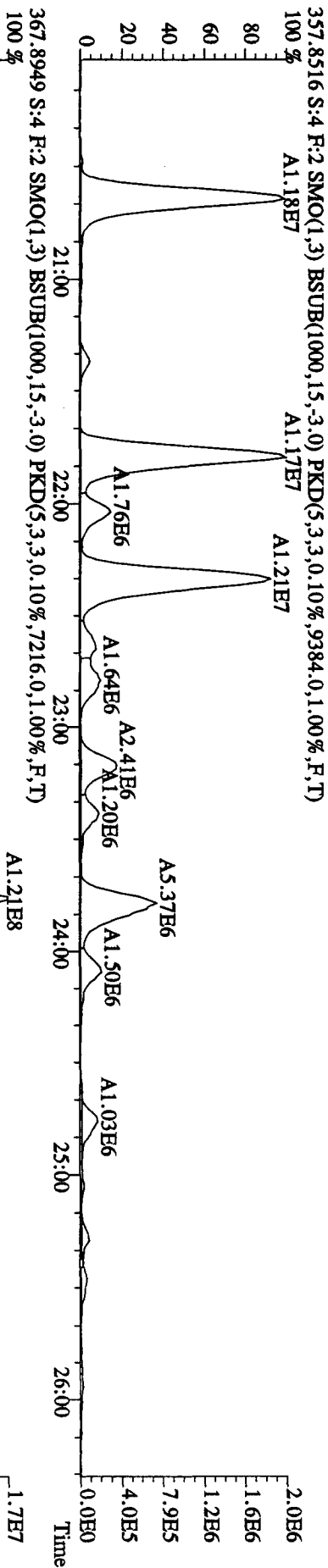
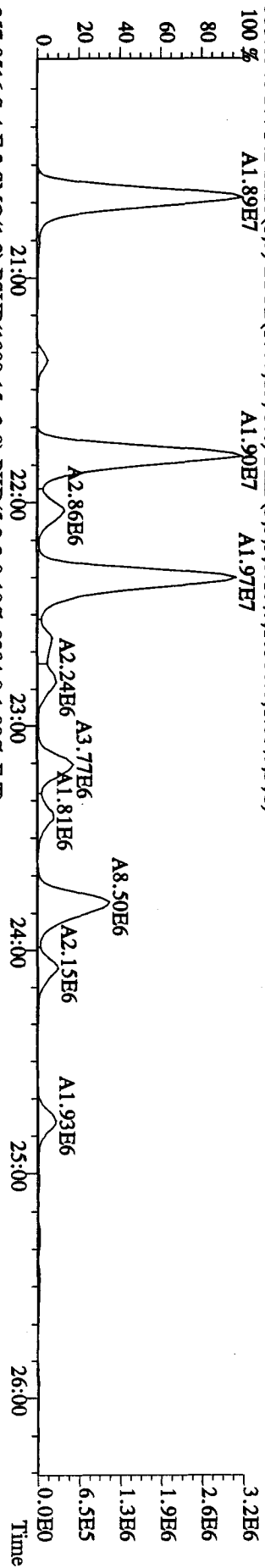


File:29AP101D5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE

Sample#4 Text:LXOPR-1-AE :G0D140543-10

Exp:DIOXINRES

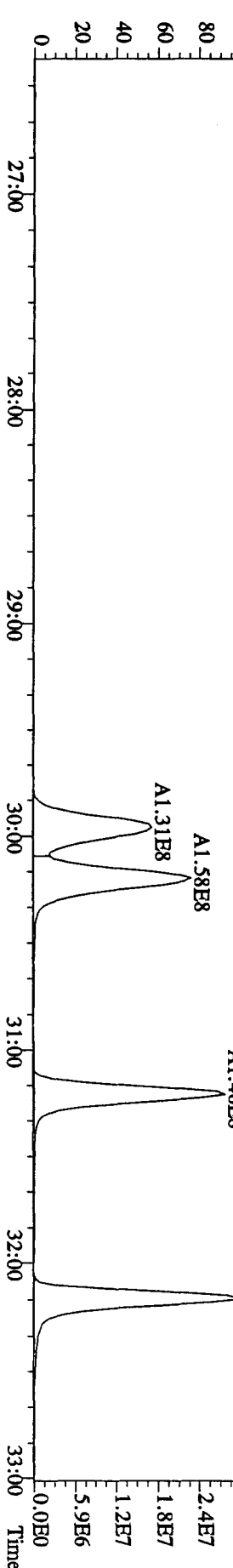
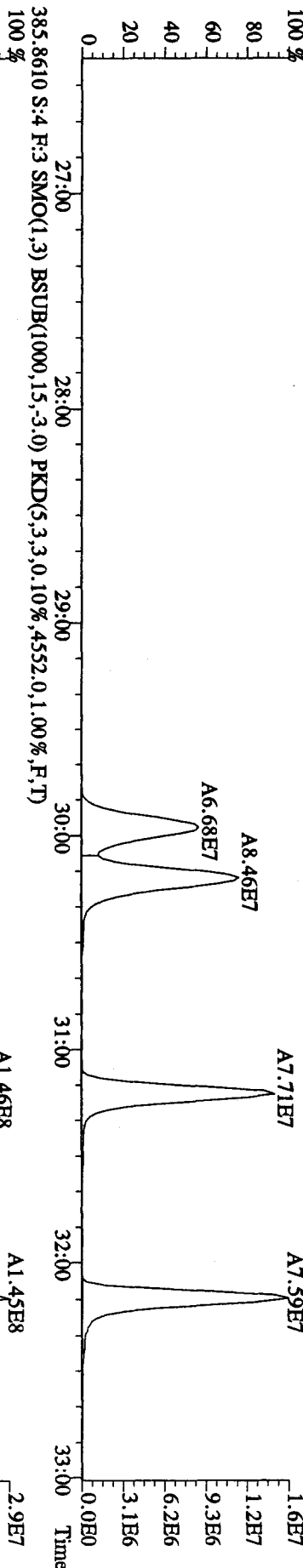
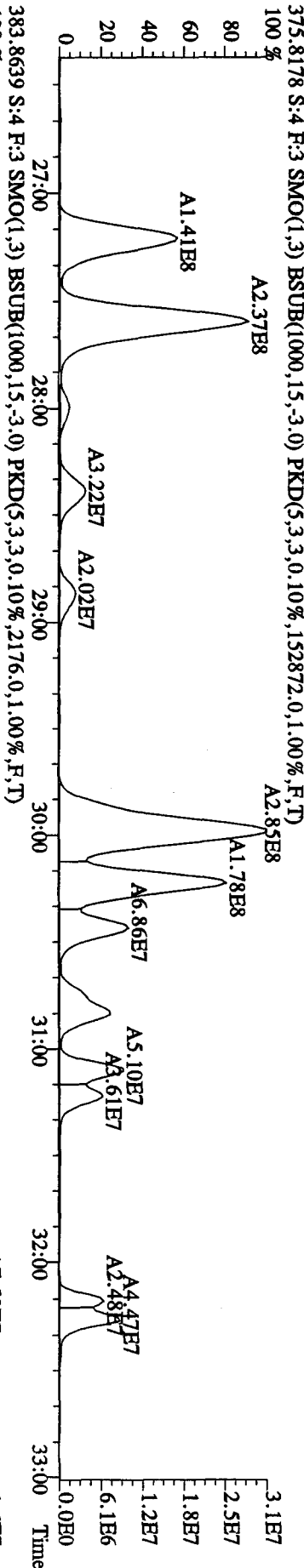
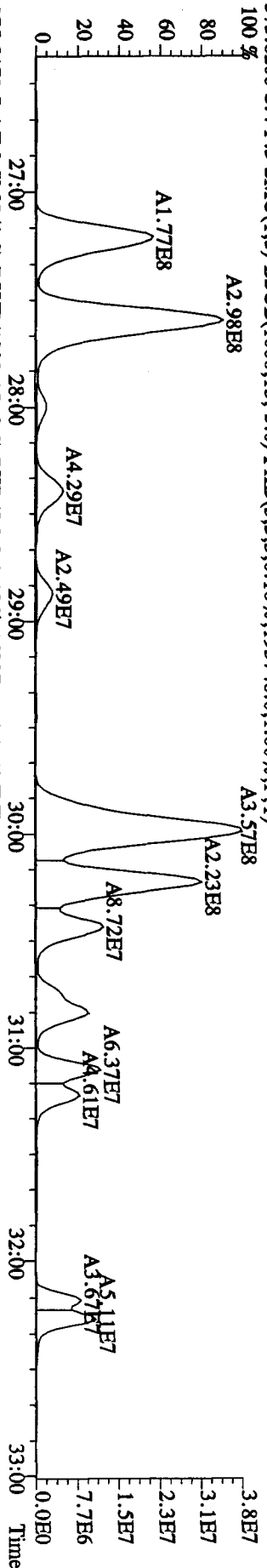
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10580,0,1.00%,F,T)



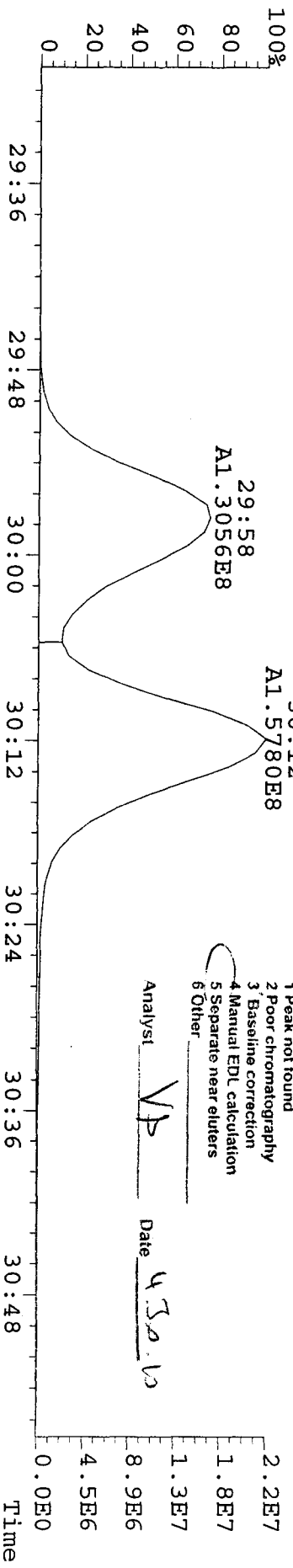
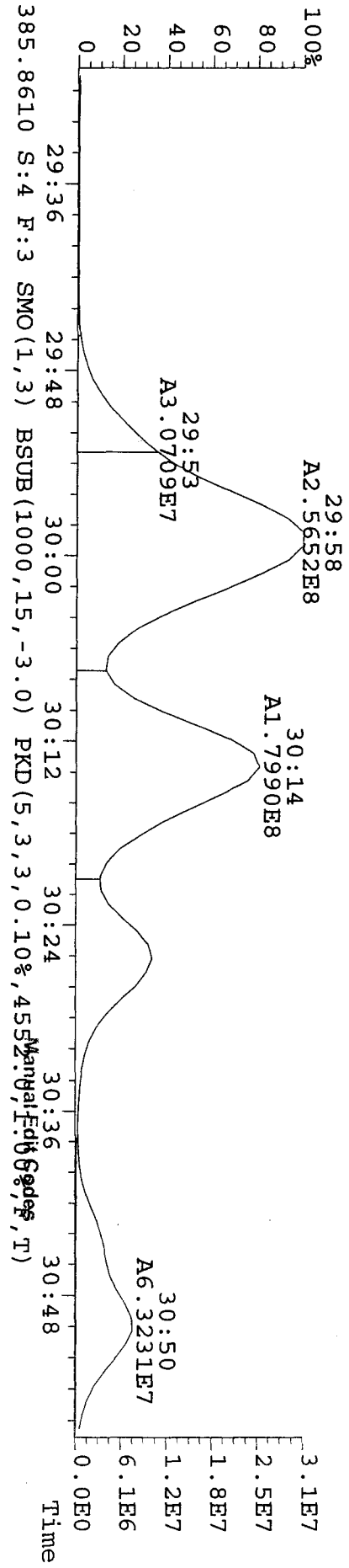
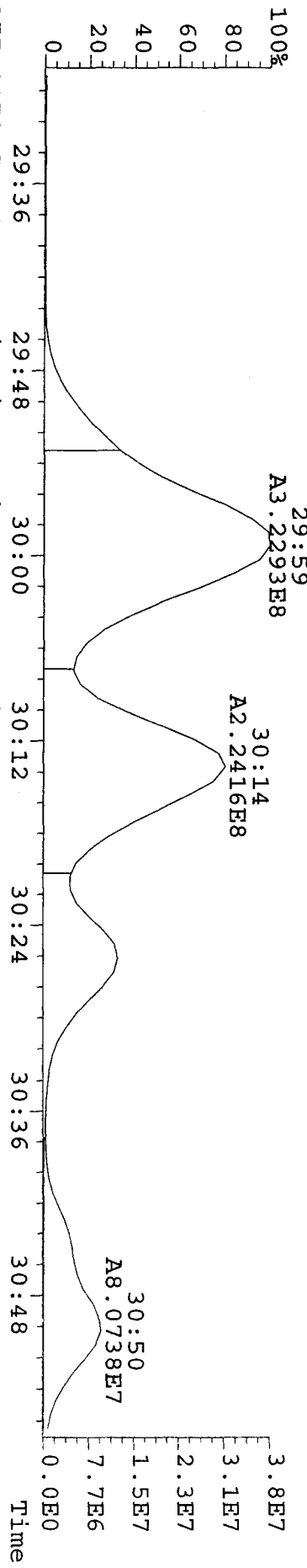
File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE

Sample#4 Text:LXOPR-1-AE :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)



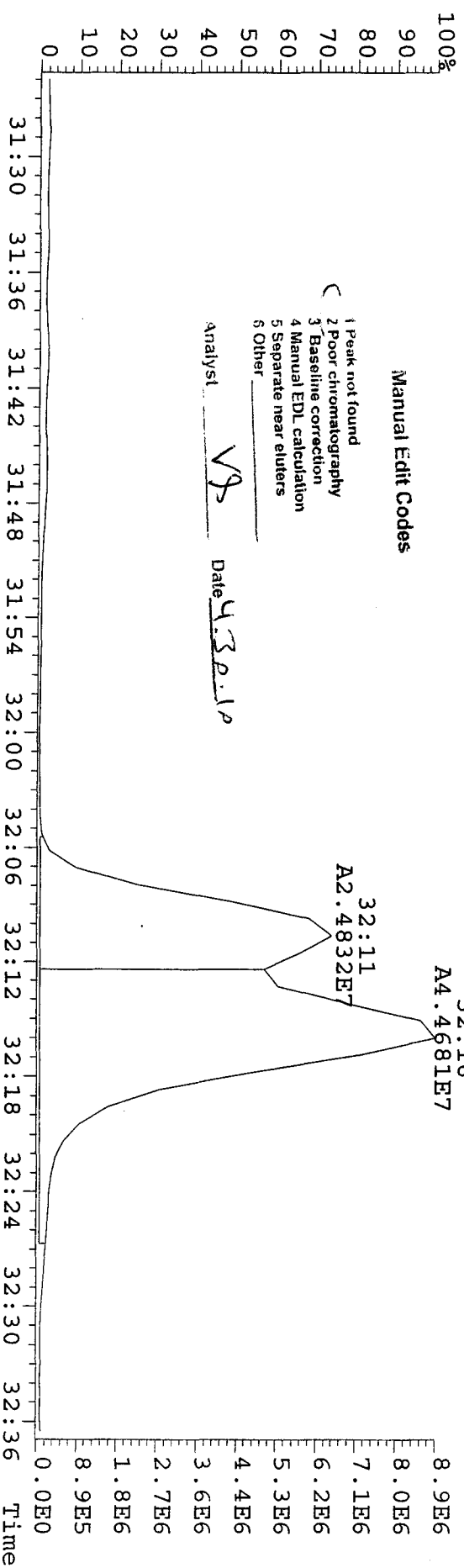
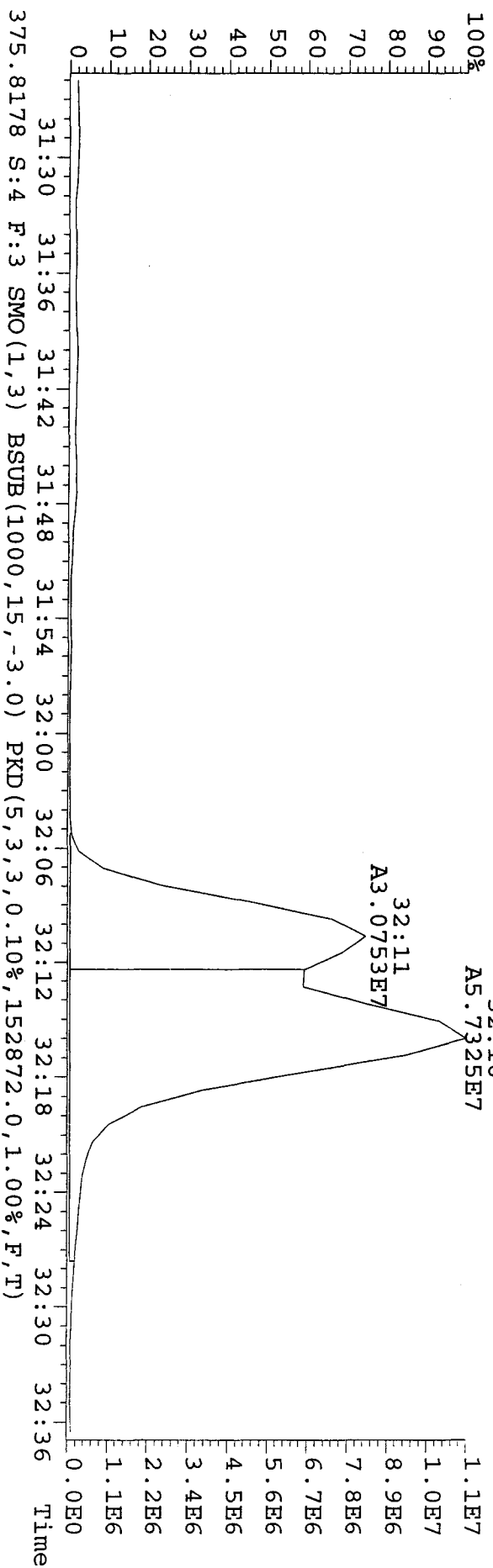
File: 29API010IDS #1-447 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LX0PR-1-AE : GOD140543-10 Exp: DIOXINRES
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,193748.0,1.00%,F,T)



- 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: 29API0101D5 #1-447 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LK0PR-1-AE :G0D140543-10 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)



Manual Edit Codes

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

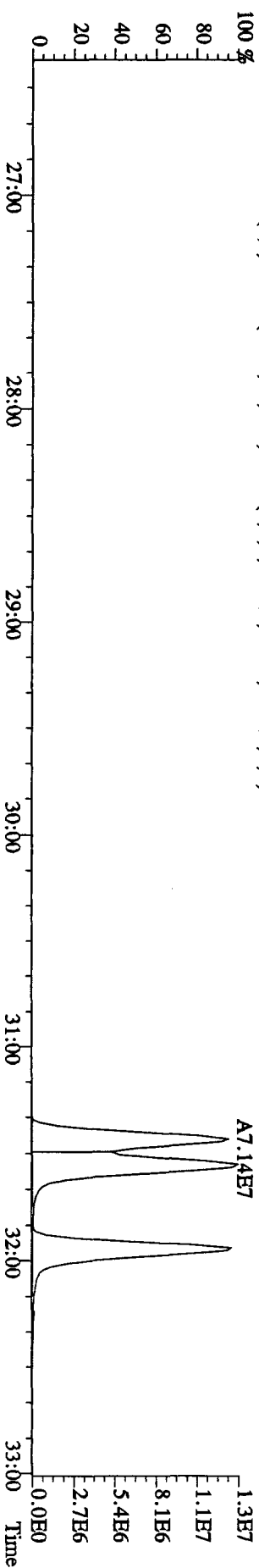
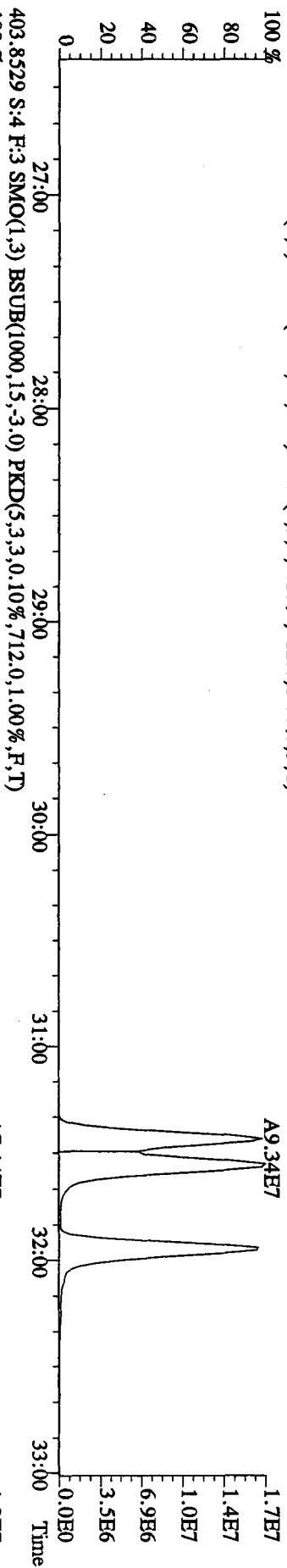
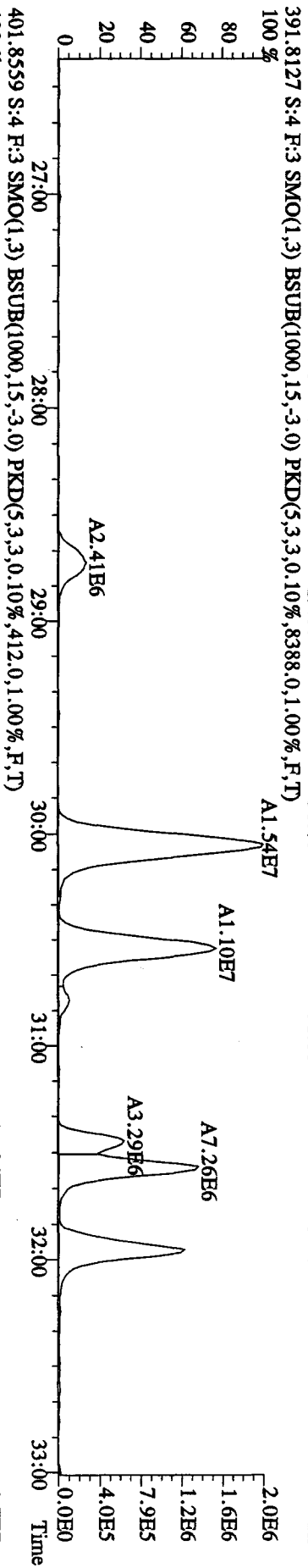
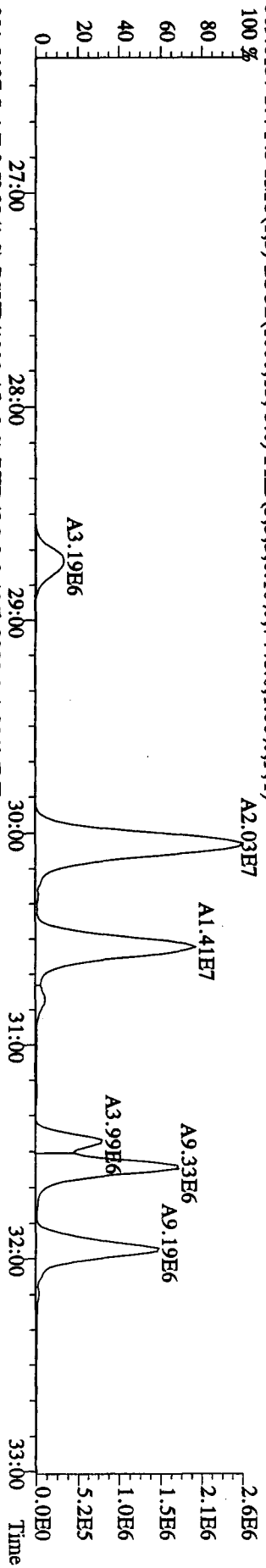
Analyst: VS Date: 4.30.10

File:29AP1010D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI + Voltage SIR 70SB

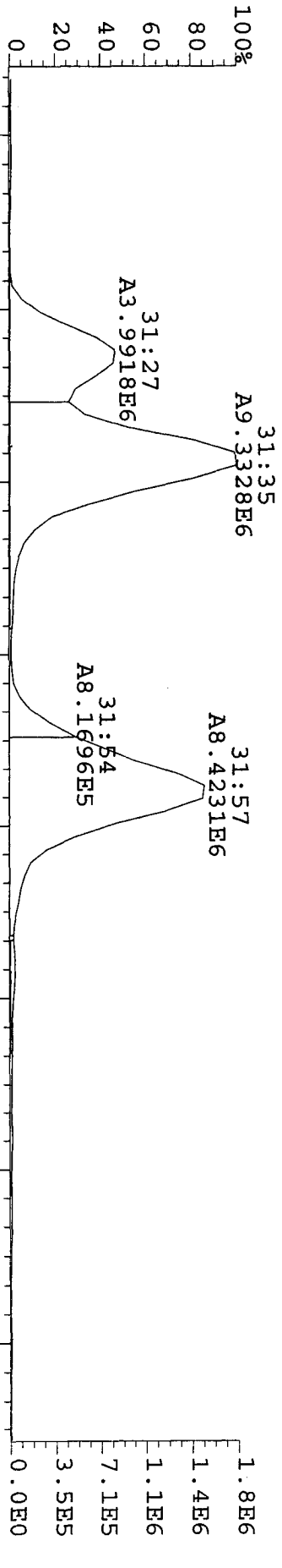
Sample#4 Text:LX0PR-1-AE :GOD140543-10

Exp:DIOXINRES

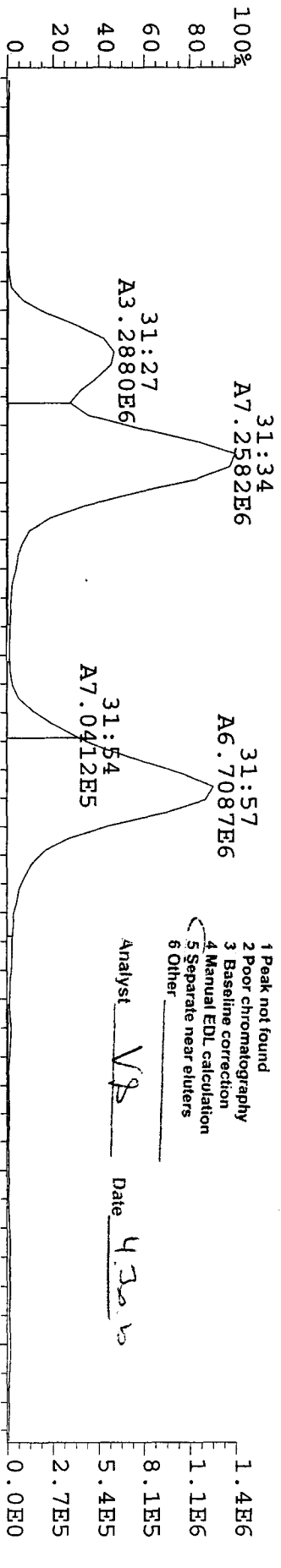
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7448,0.1,0.00%,F,T)



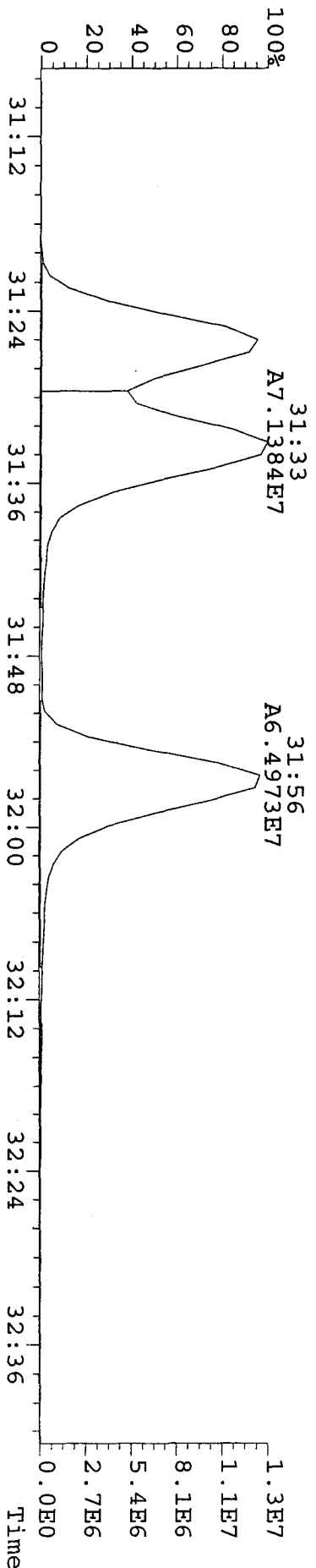
File: 29API01D5 #1-447 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LIXOPR-1-AE :G0D140543-10 Exp: DIOXINRES
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7448.0,1.00%,F,T)



391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8388.0,1.00%,F,T)



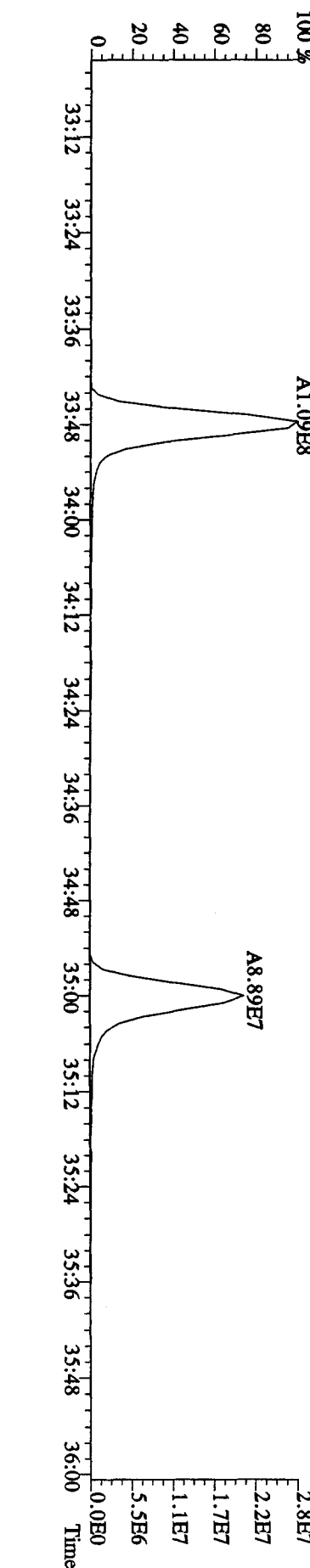
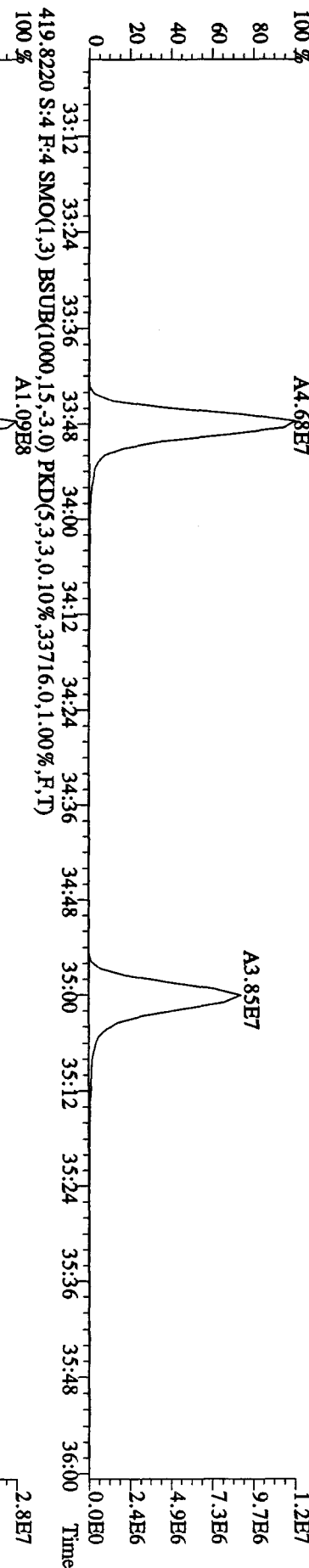
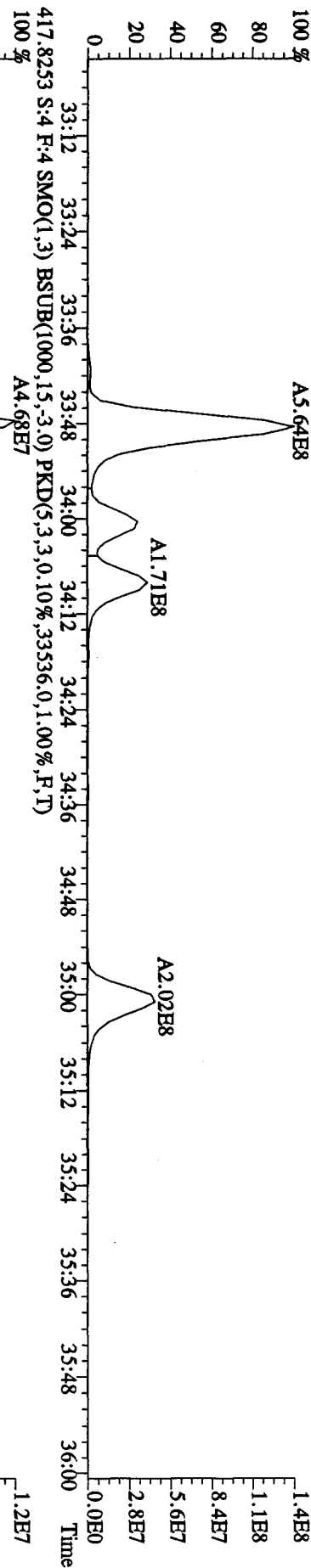
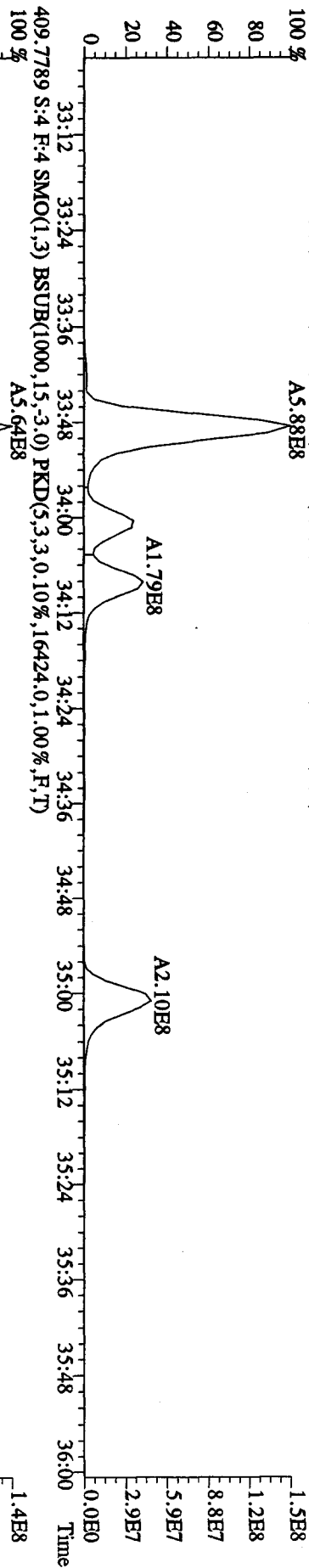
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



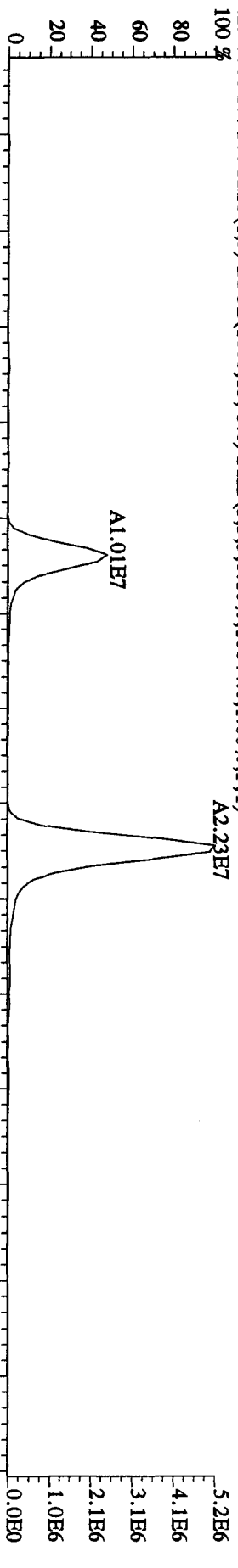
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 4/30/10

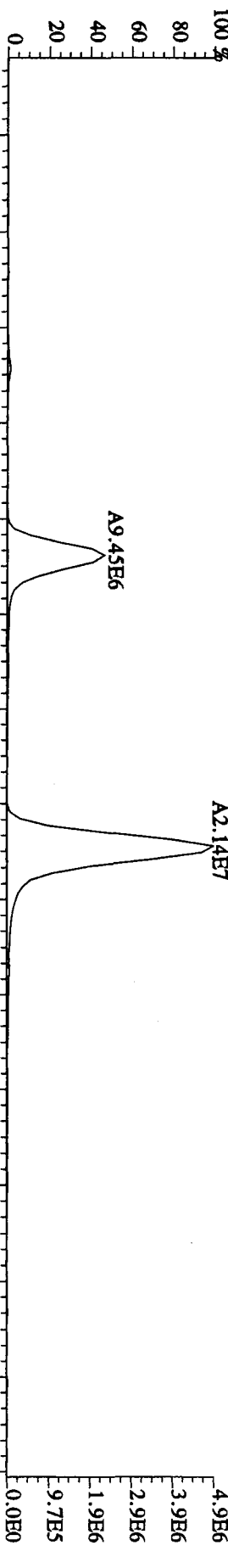
File:29AP1010D5 #1-210 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :G0D140543-10 Exp:DIOXINRES
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49500.0,1.00%,F,T)
 100 % A5.88E8



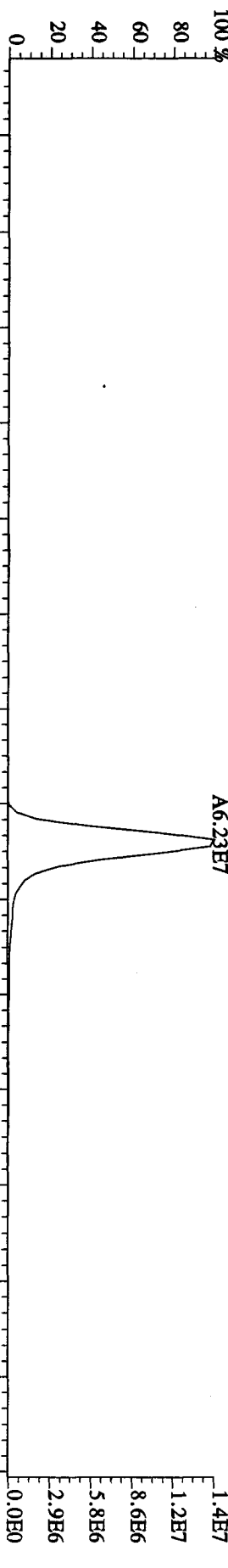
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10644.0,1.00%,F,T)



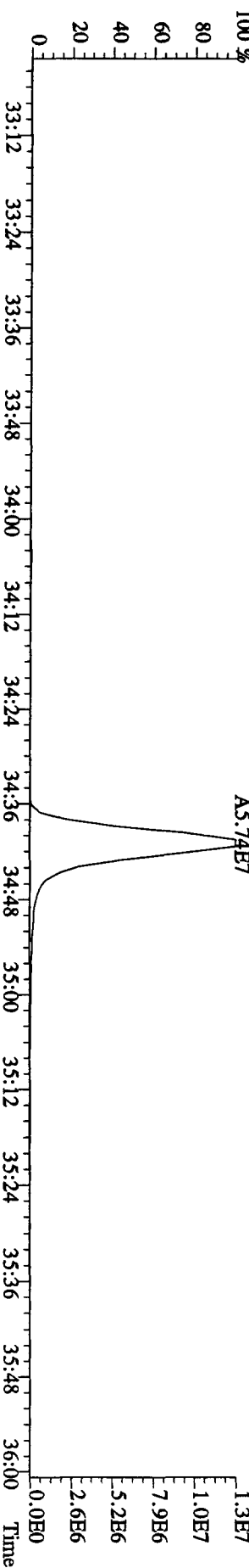
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8700.0,1.00%,F,T)



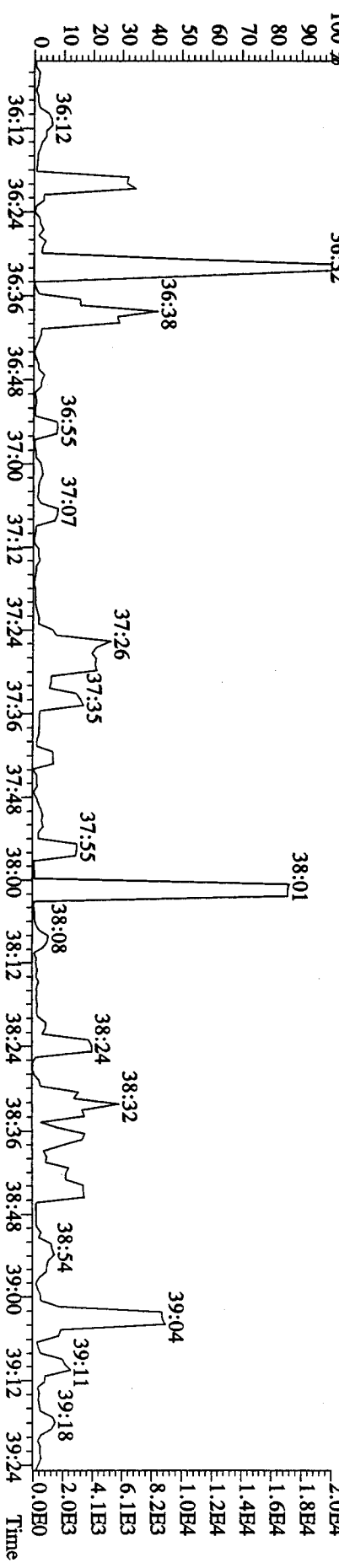
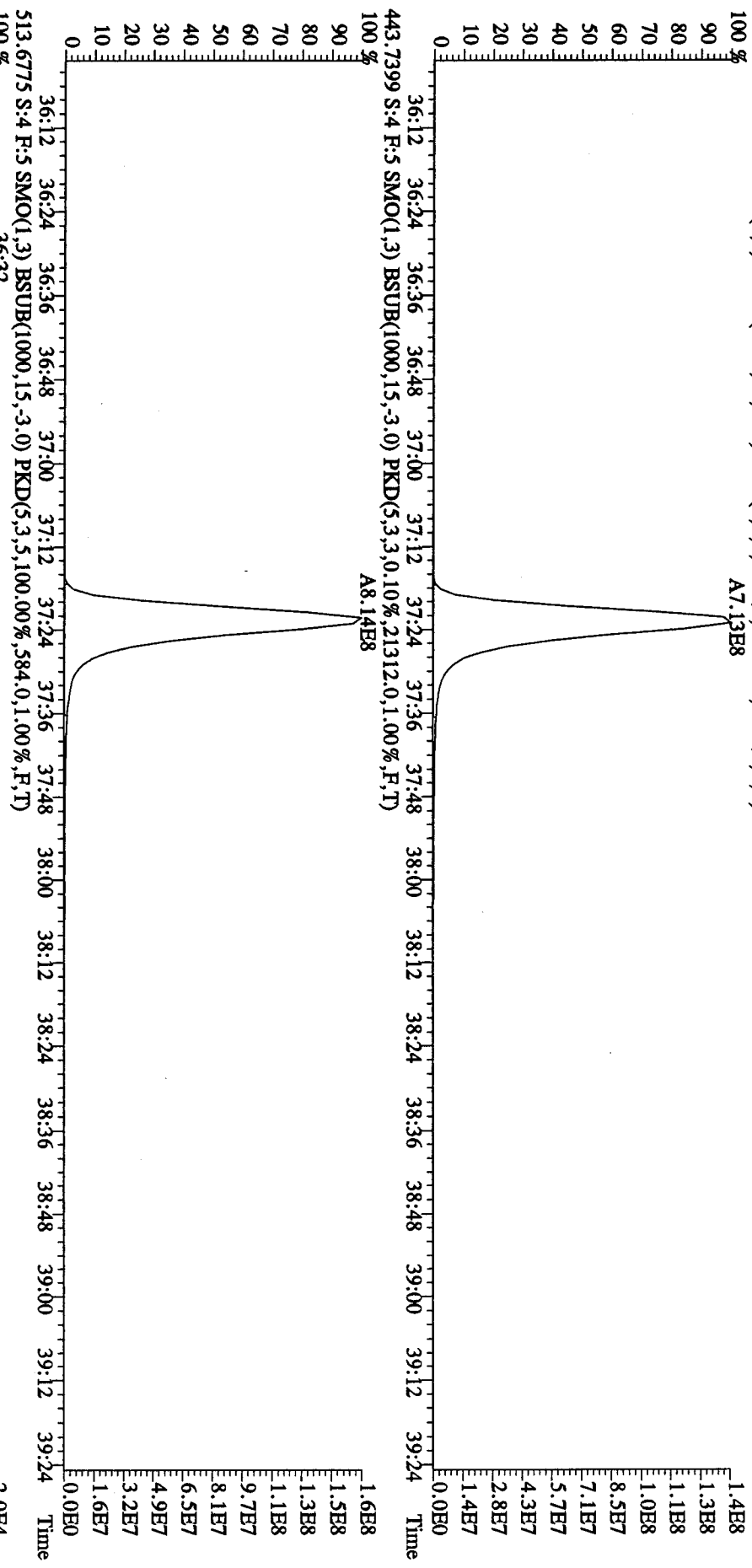
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11572.0,1.00%,F,T)



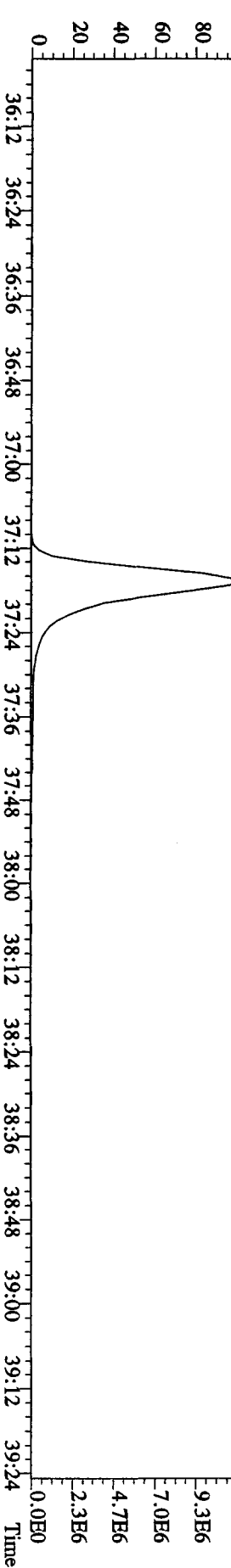
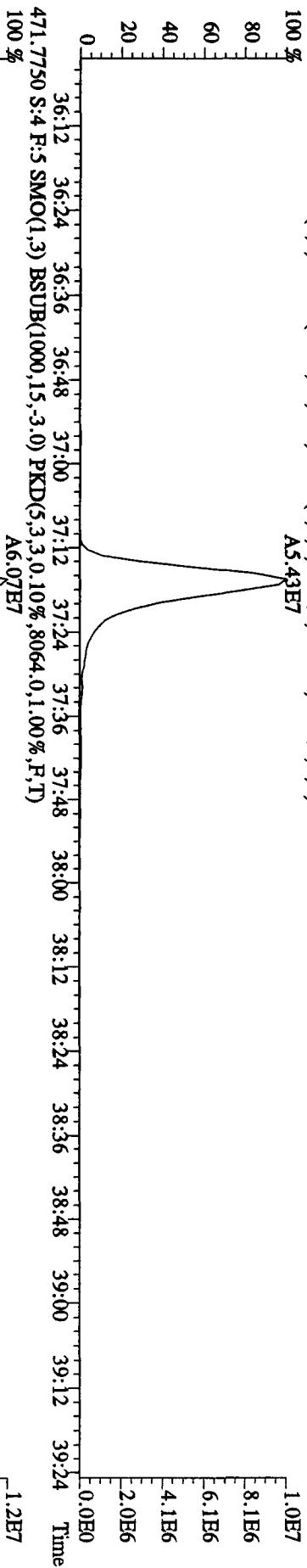
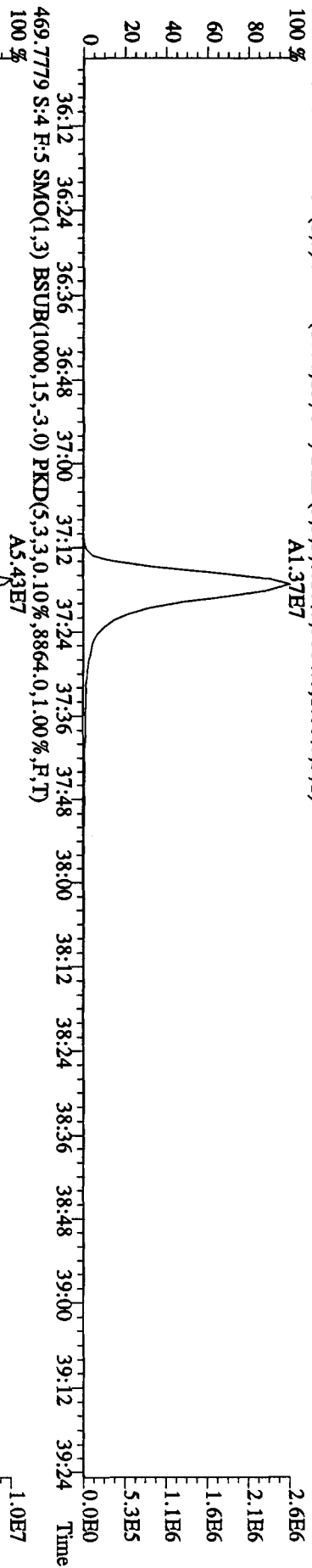
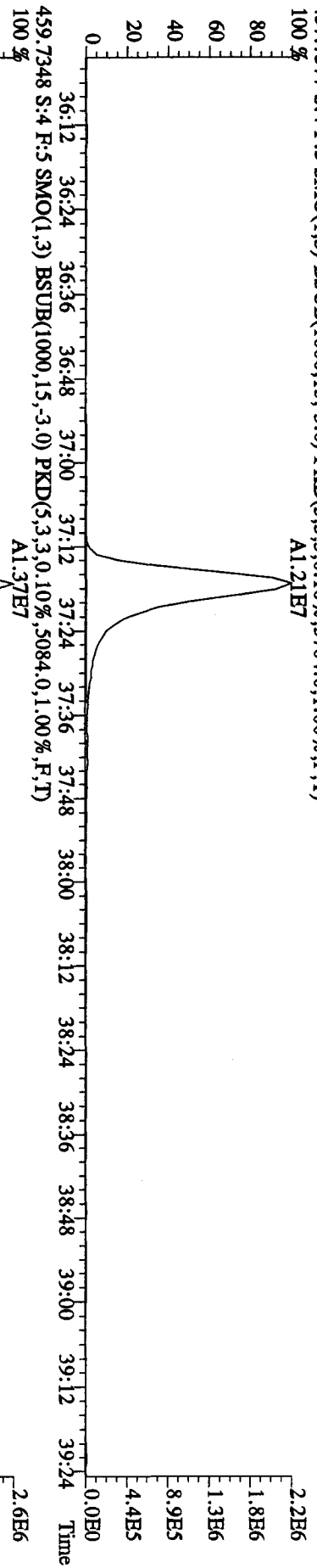
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7856.0,1.00%,F,T)

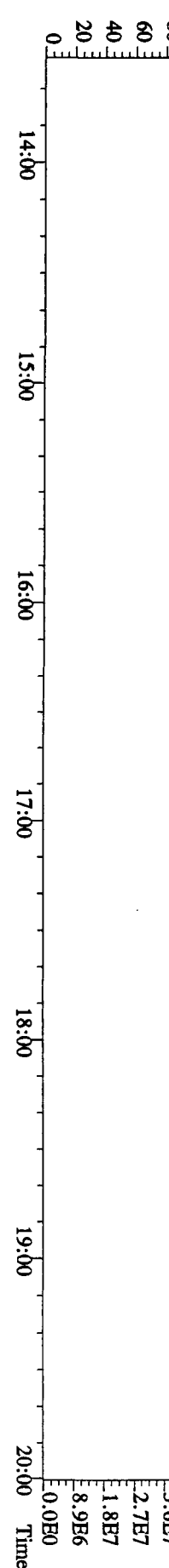
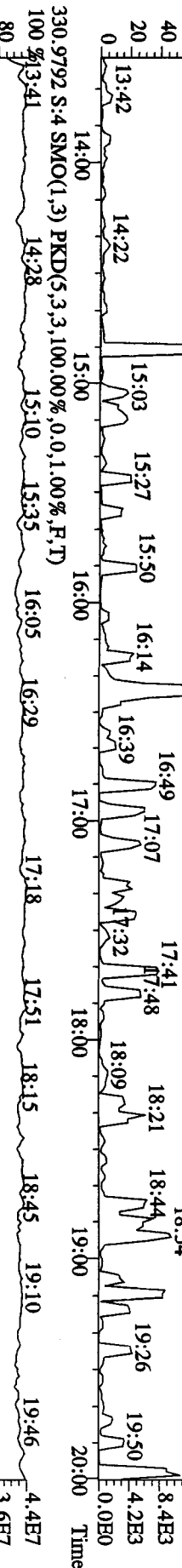
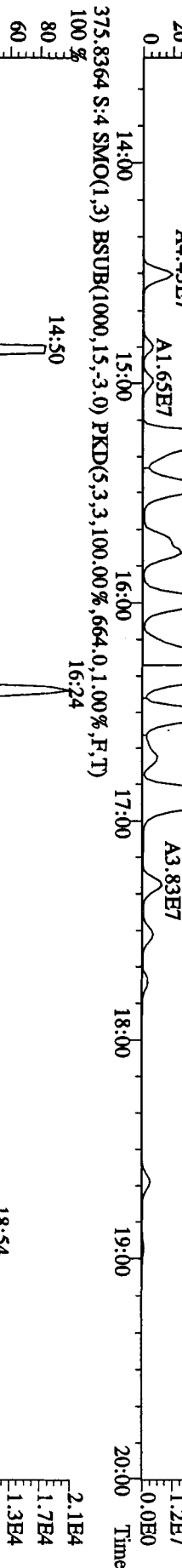
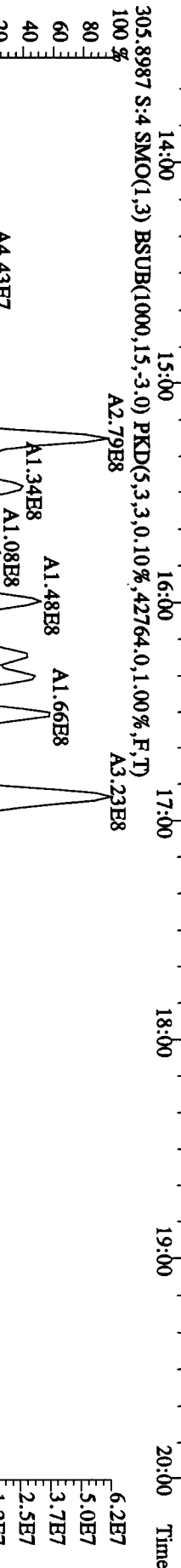
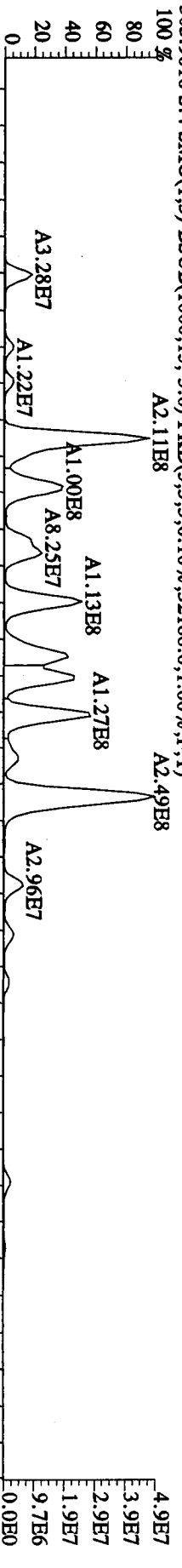
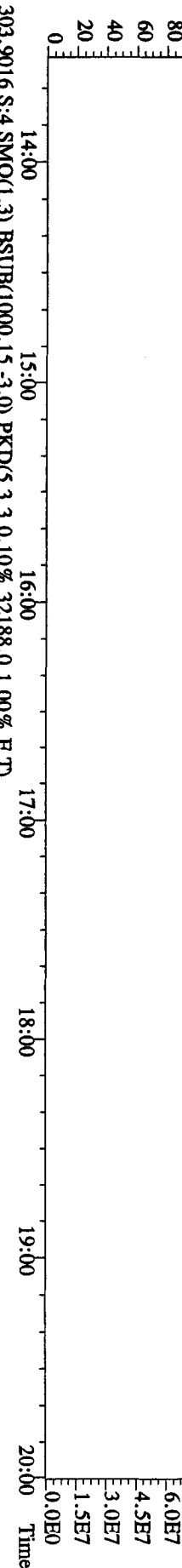


File: 29AP1010D5 #1-244 Acq: 29-APR-2010 11:47:48 GC: EI+ Voltage: SIR 70SE
 Sample#4 Text: LXPOR-1-AE :GOD140543-10 Exp: DIOXINRES
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,17908.0,1.00%,F,T)
 A7.13E8

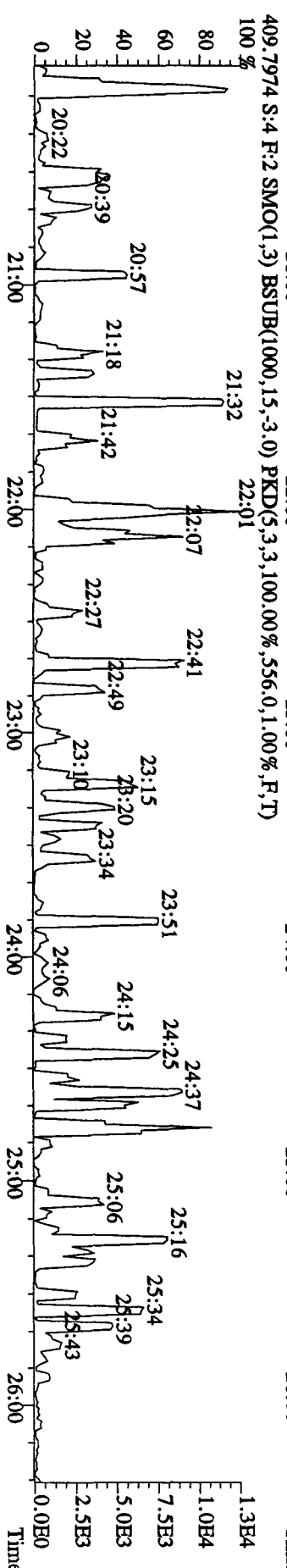
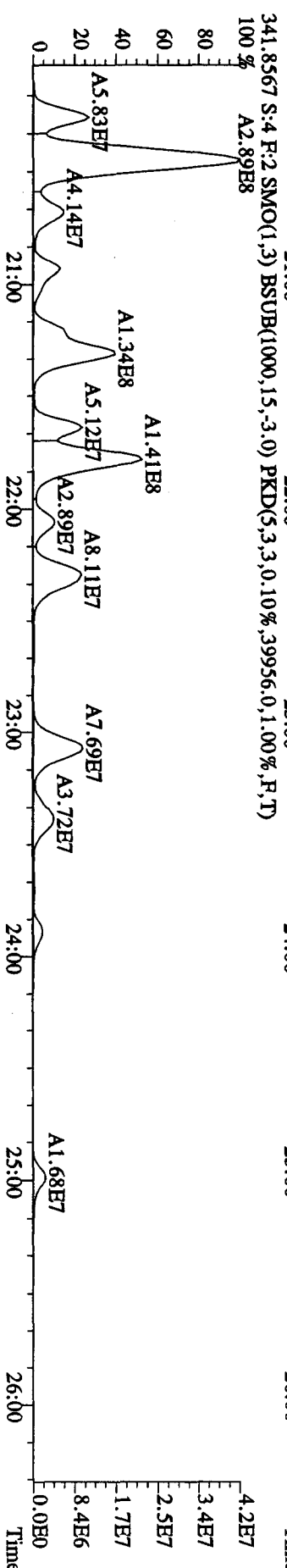
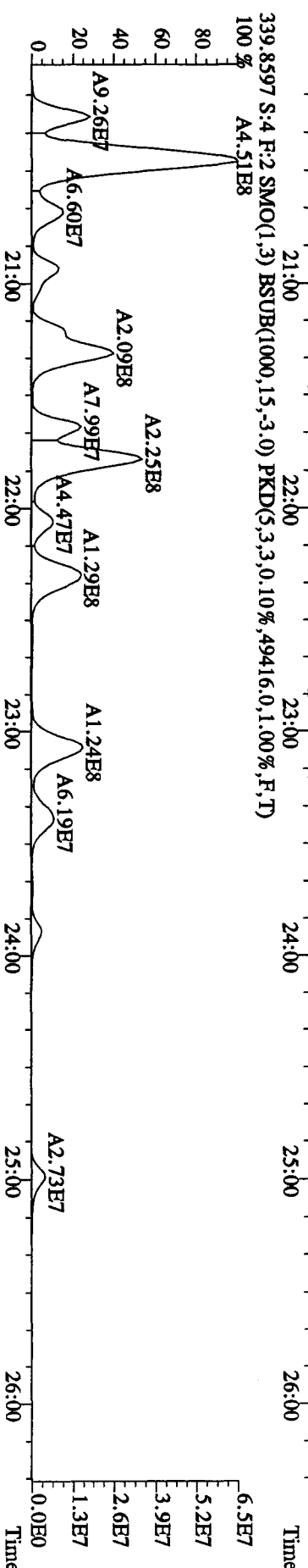
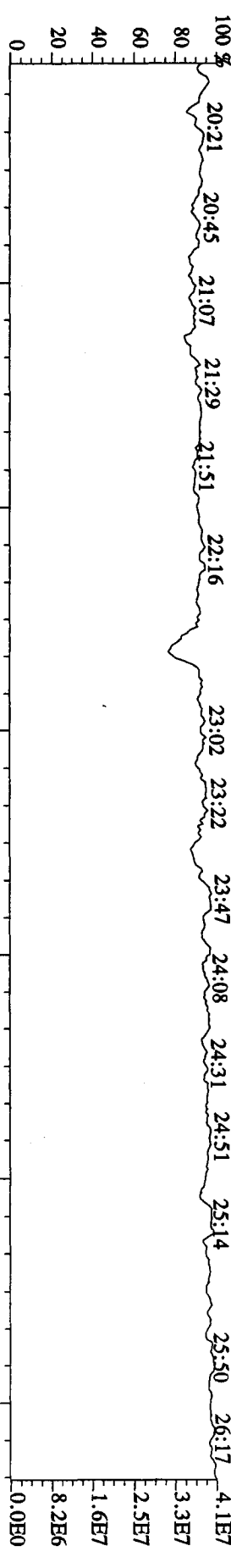


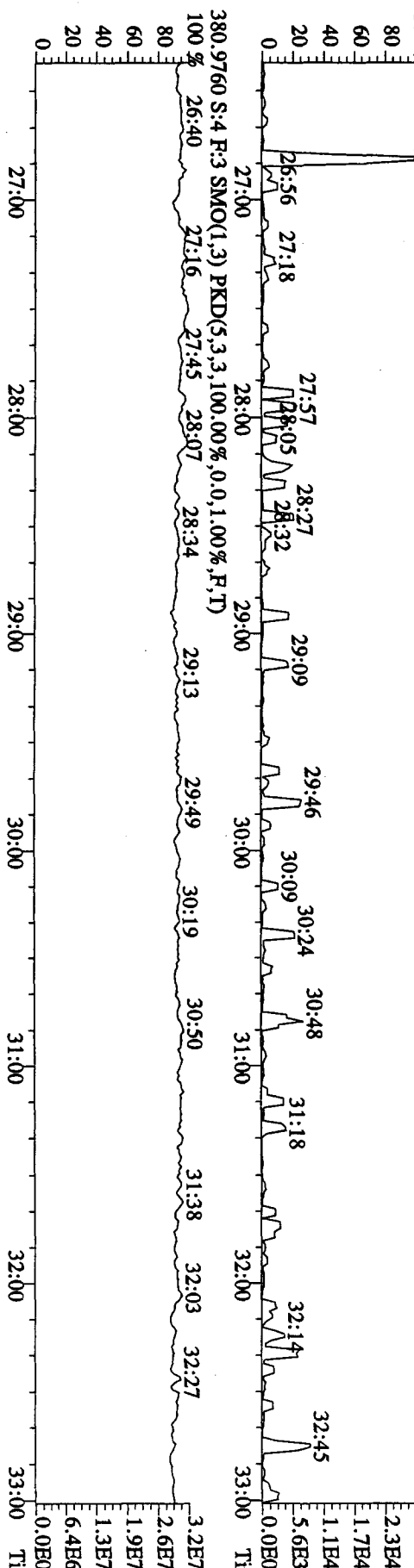
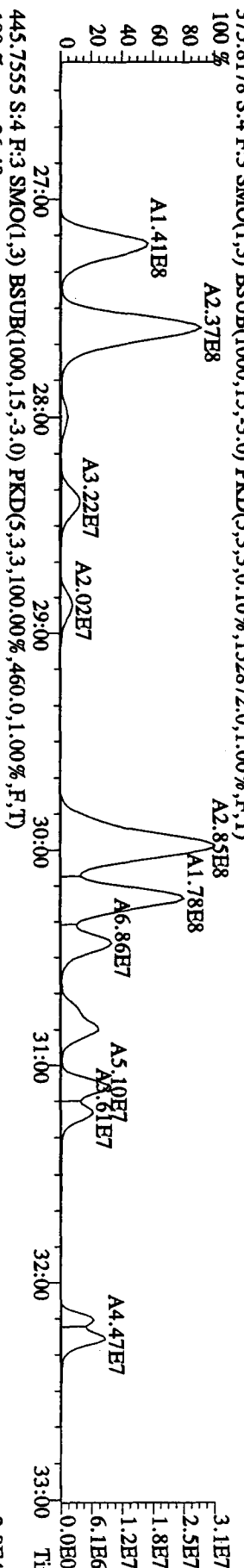
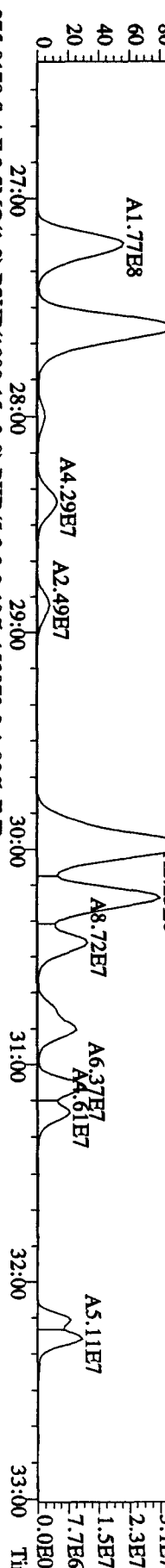
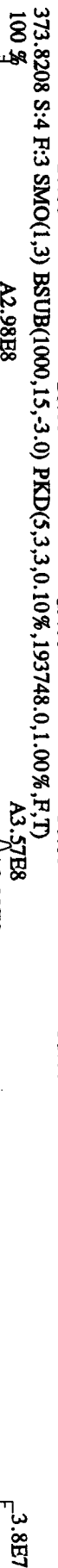
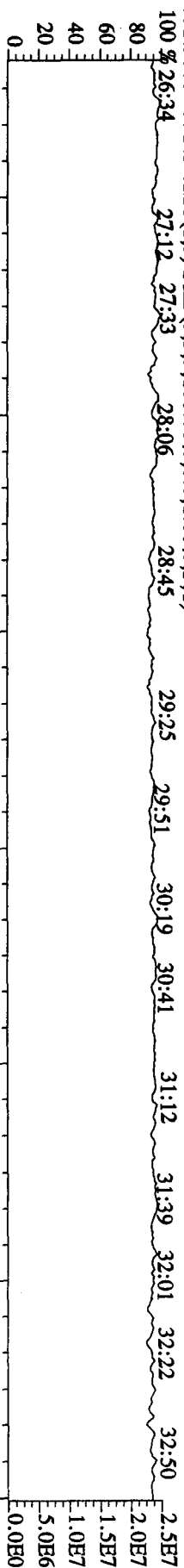
File:29AP1010D5 #1-244 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :GOD140543-10 Exp:DIOXINRES
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5704.0,1.00%,F,T)
100% A1.21E7

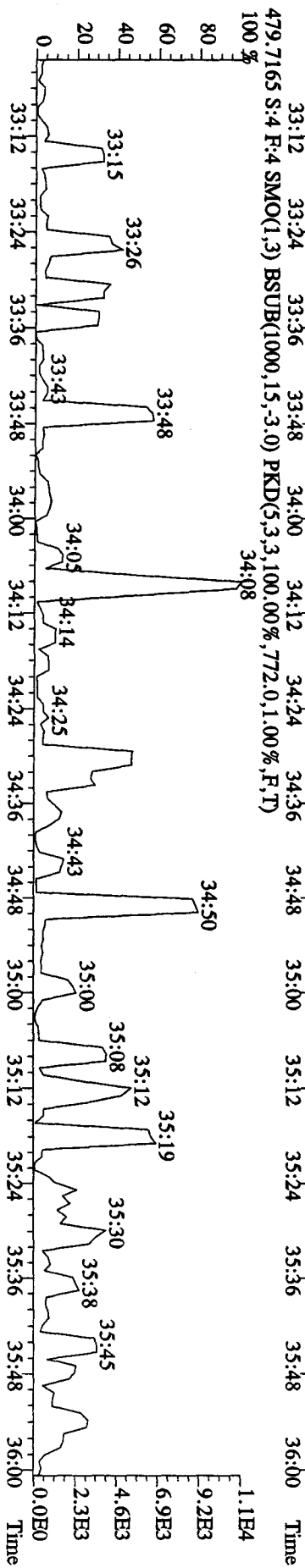
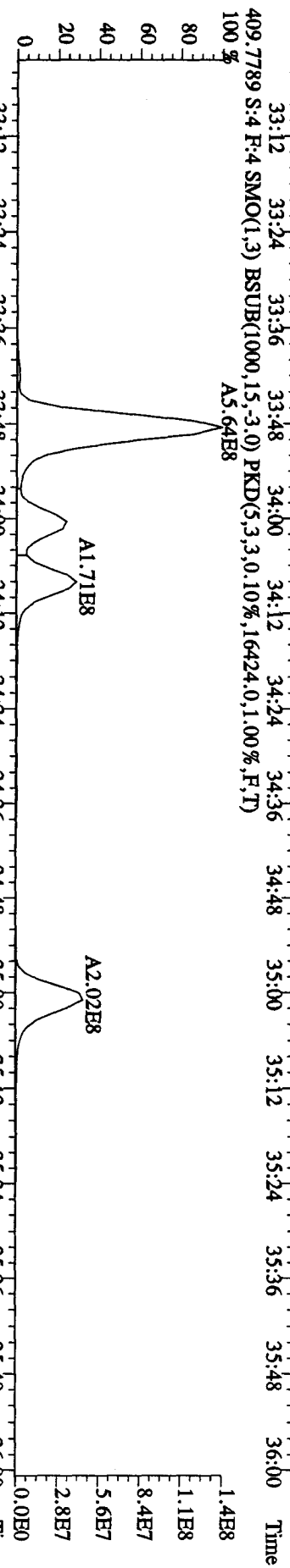
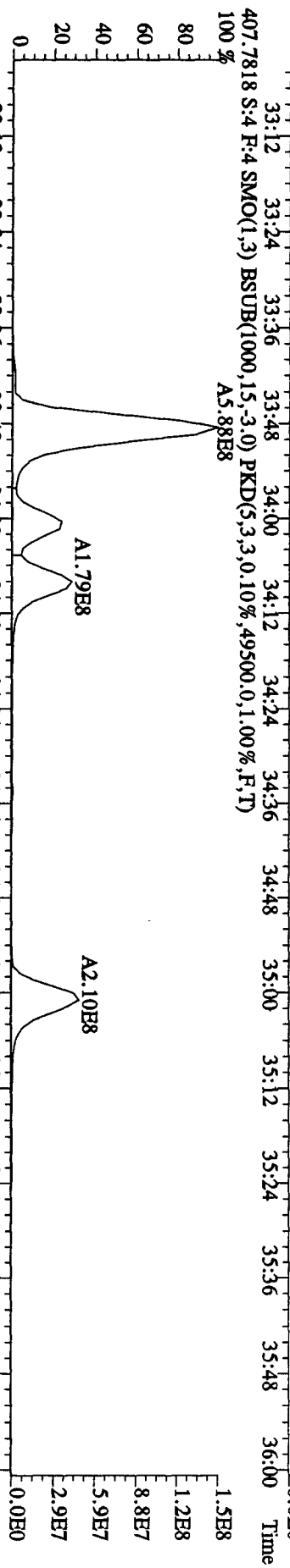
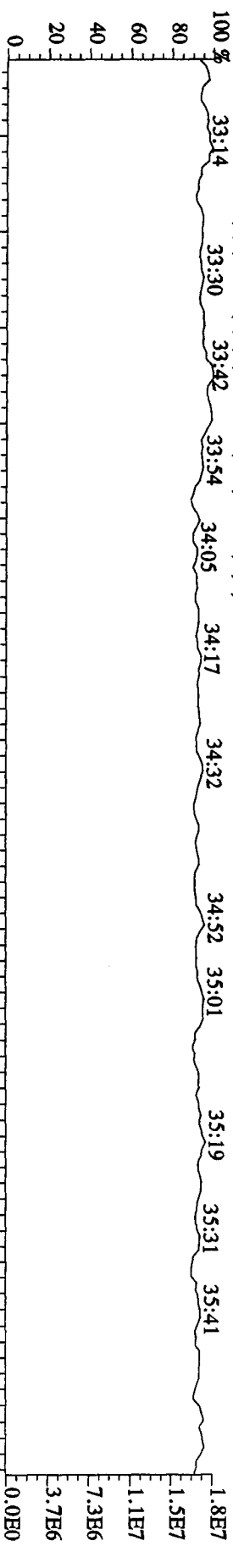




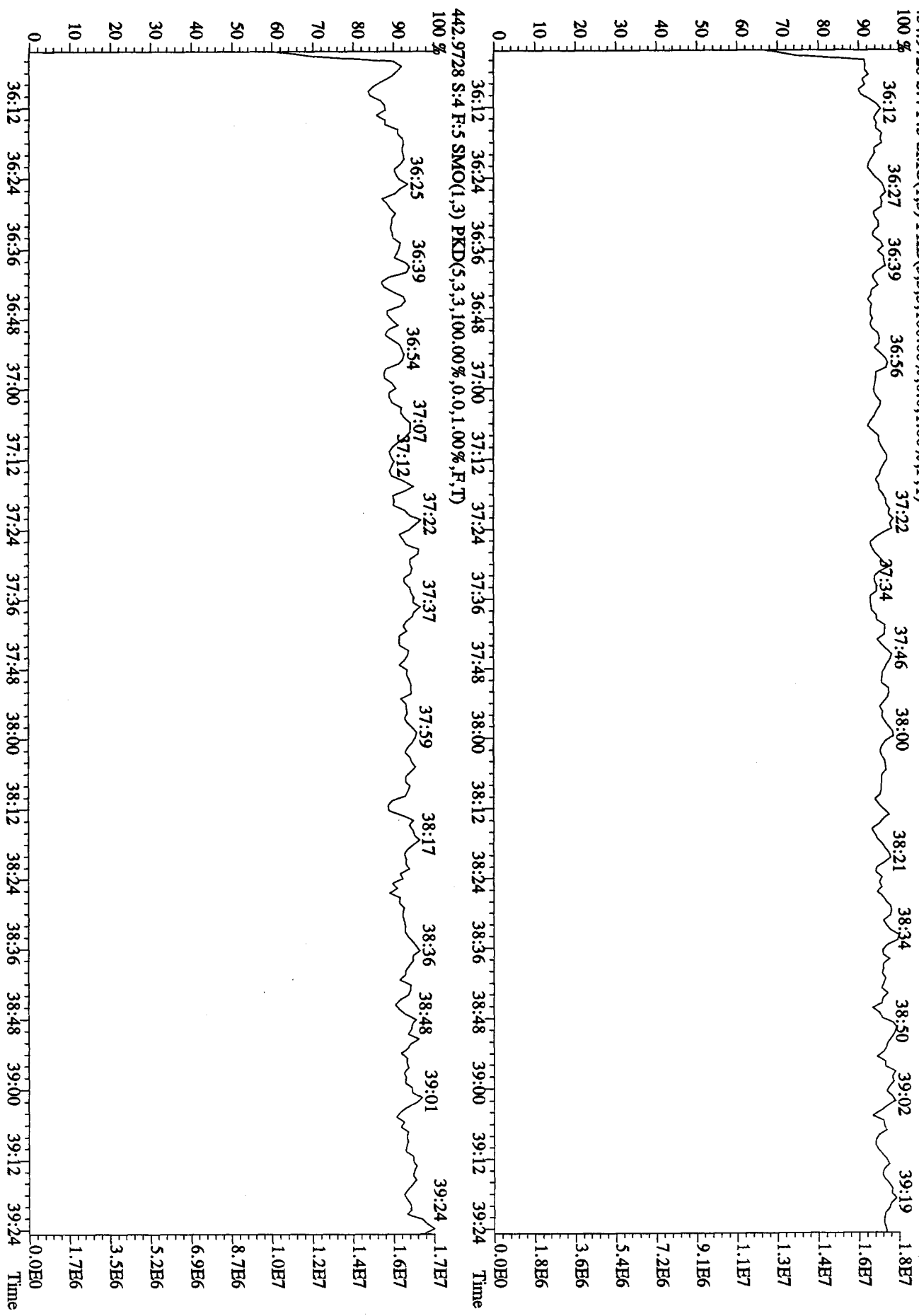
File: 29AP101ID5 #1-445 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LIXOPR-1-AE :GDD140543-10 Exp: DIOXINRES
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 20:21 20:45 21:07 21:29 21:51 22:16 23:02 23:22 23:47 24:08 24:31 24:51 25:14 25:50 26:17







File:29AP101D5 #1-244 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GDD140543-10 Exp:DIOXINRES
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %



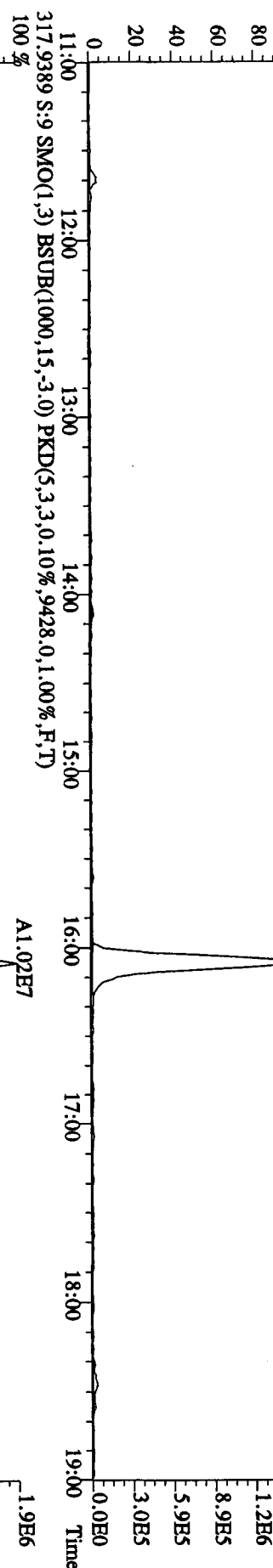
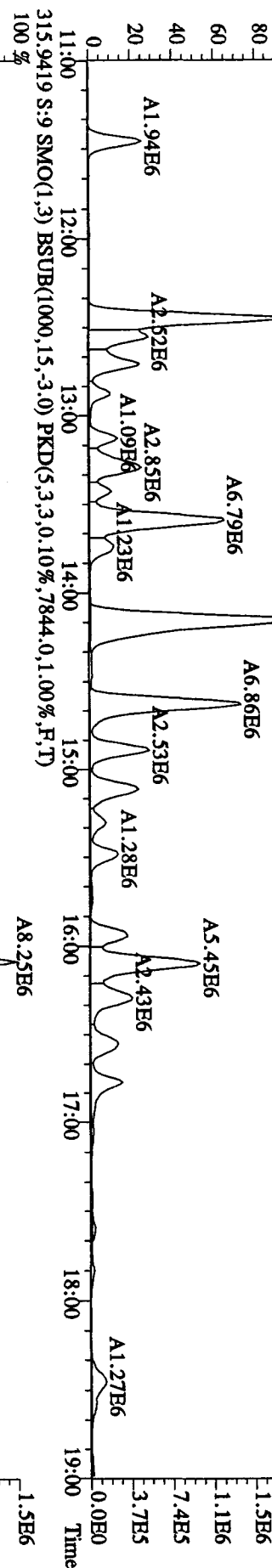
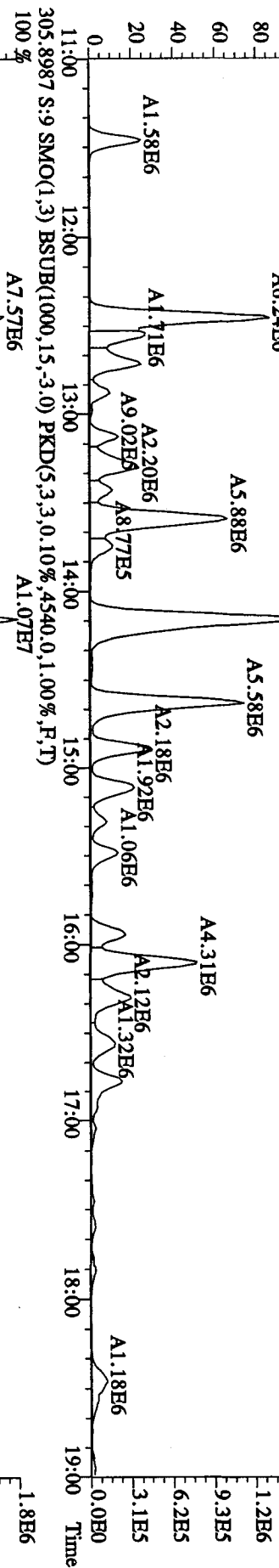
Run text: LX0PR-1-AE Sample text: LX0PR-1-AE :G0D140543-10
 Run #13 Filename: 03MY10B5D2 S: 9 I: 1 Results: 03MY10B5D2DB225
 Acquired: 4-MAY-10 03:15:13 Processed: 4-MAY-10 10:27:05
 Run: 03MY10B5D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.05007g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	6219021	0.69 y	14:54	-	0.62	-	-	n
13C-2,3,7,8-TCDF	18475696	0.81 y	16:05	2.11	140.34	1.93	70.5	n
2,3,7,8-TCDF	9768193	0.79 y	16:06	1.09	96.66	1.24	-	n
13C-2,3,7,8-TCDD	8253468	0.75 y	14:42	0.95	139.23	3.44	70.0	n
2,3,7,8-TCDD	544186	0.88 y	14:43	1.36	9.67	1.57	-	n
37C1-2,3,7,8-TCDD	8784884	1.00 y	14:43	2.28	61.70	0.16	77.5	n

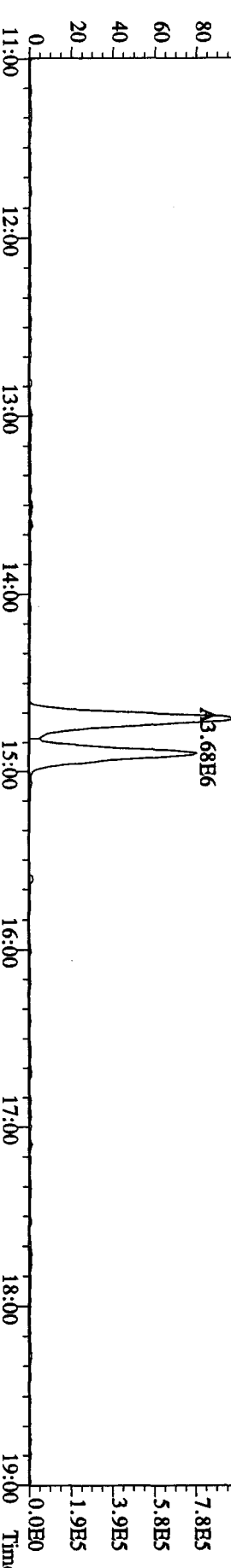
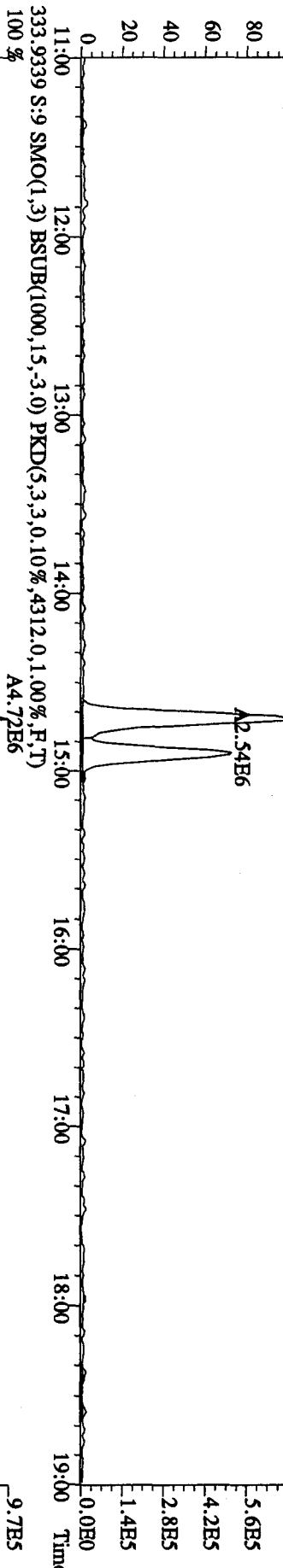
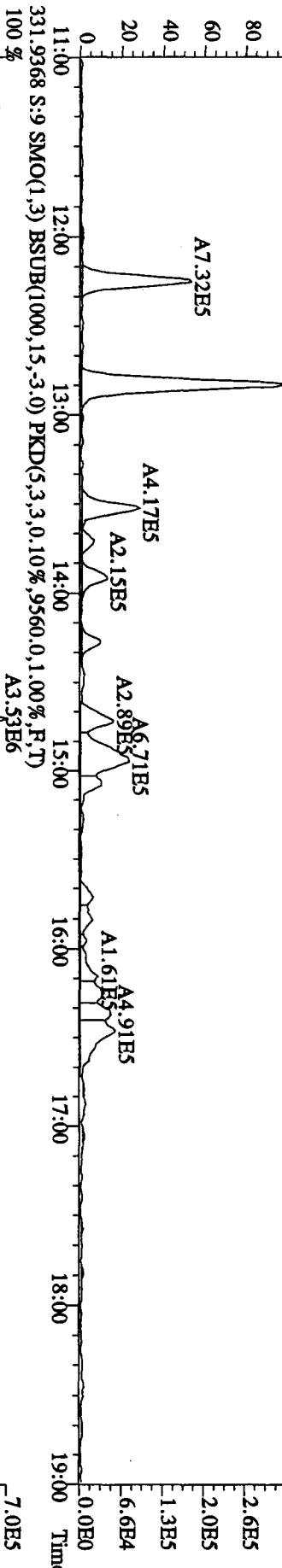
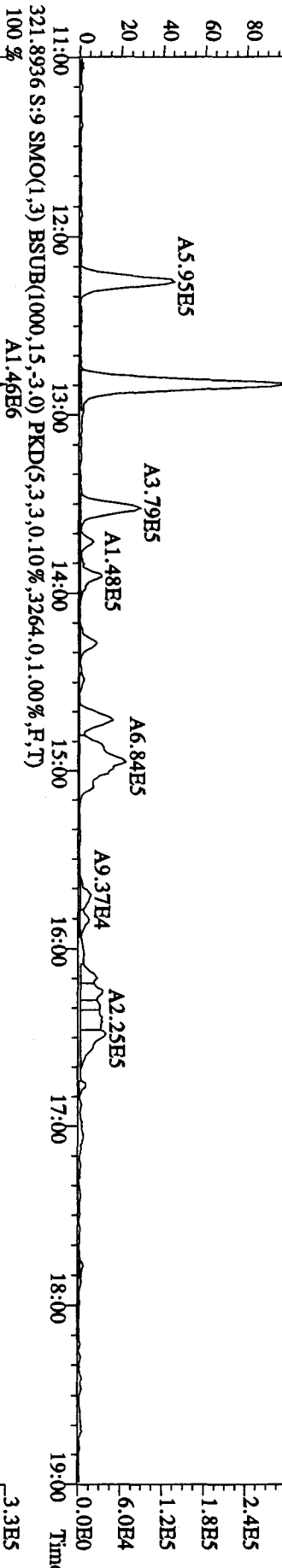
AK 5/4/10

File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AE :G0D140543-10 Exp:DB225RES

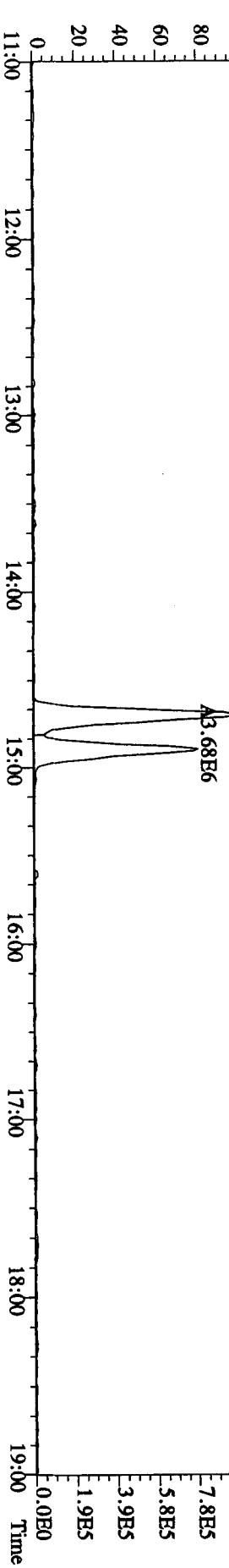
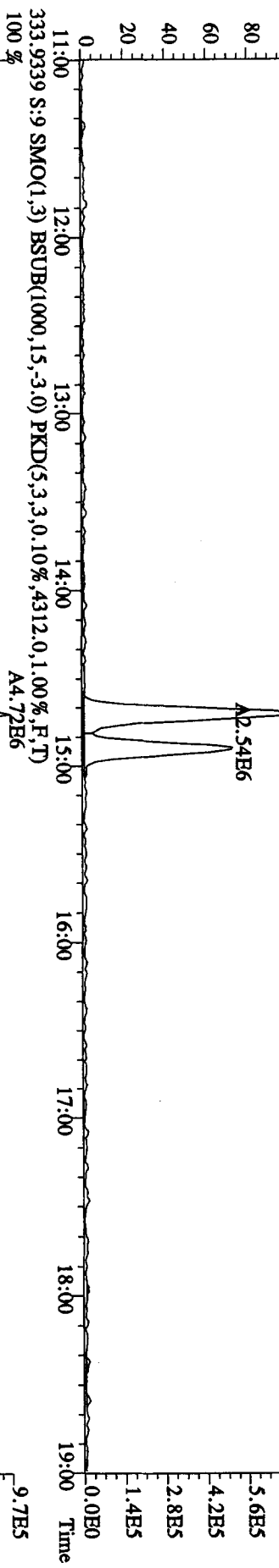
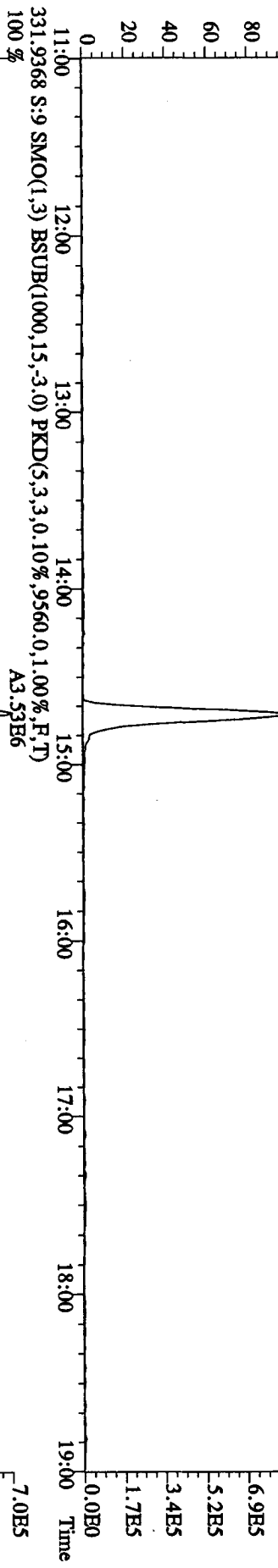
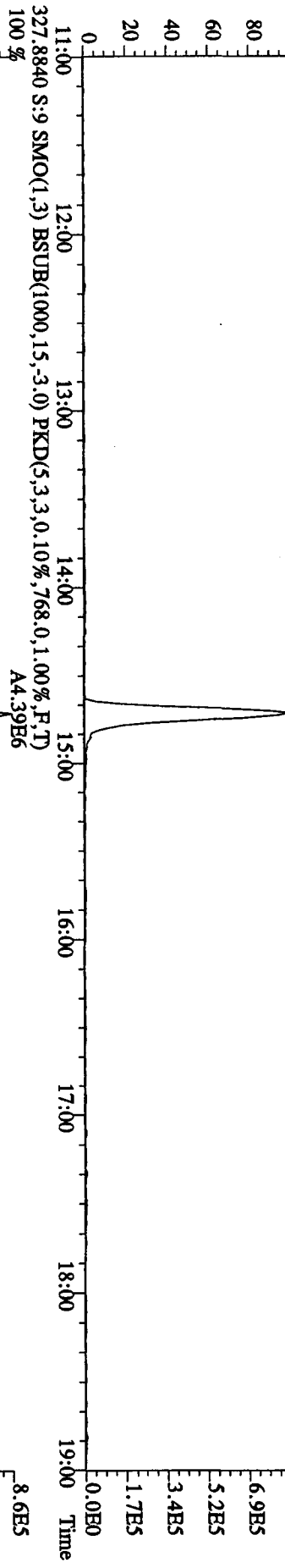
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3040,0,1.00%,F,T)
100%



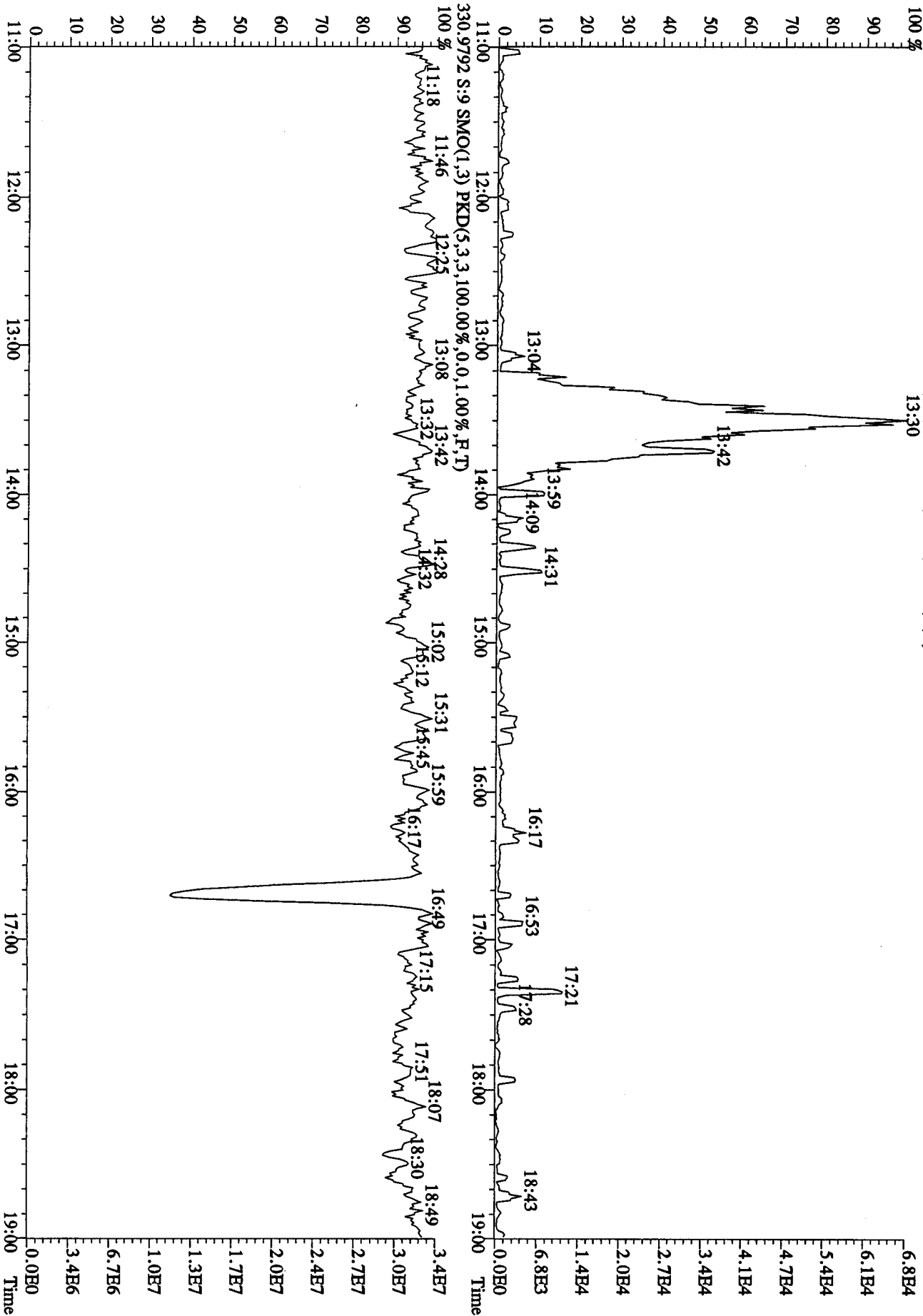
File:03MAY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LX0PR-1-AE :G0D140543-10 Exp:DB225RES
 319.8965 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2648,0,1,00%,F,T)
 100%



File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AE :G0D140543-10 Exp:DB25RES
 327.8840 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,768,0,1,00%,F,T) A4.39E6
 100%



File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC HI + Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AE :G0D140543-10 Exp:DB25RES
 375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,740.0,1.00%,F,T)



Run text: LX0PR-1-AF Sample text: LX0PR-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 430.5

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	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

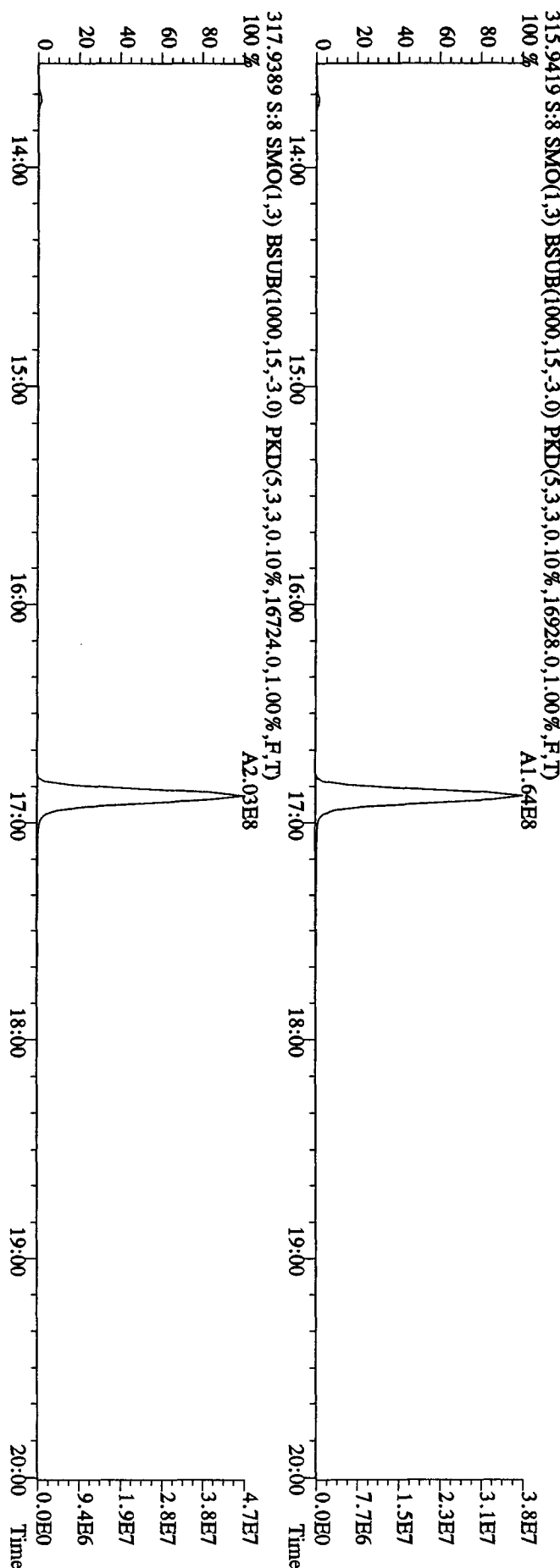
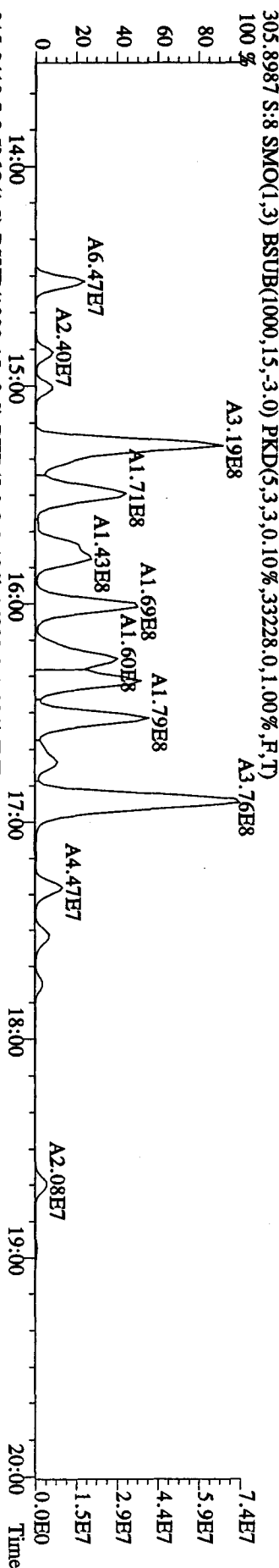
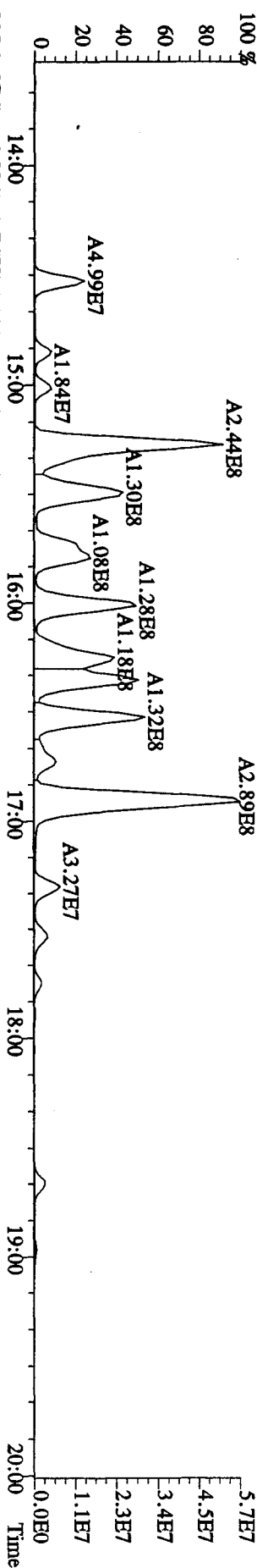
324.15 ✓

0.59

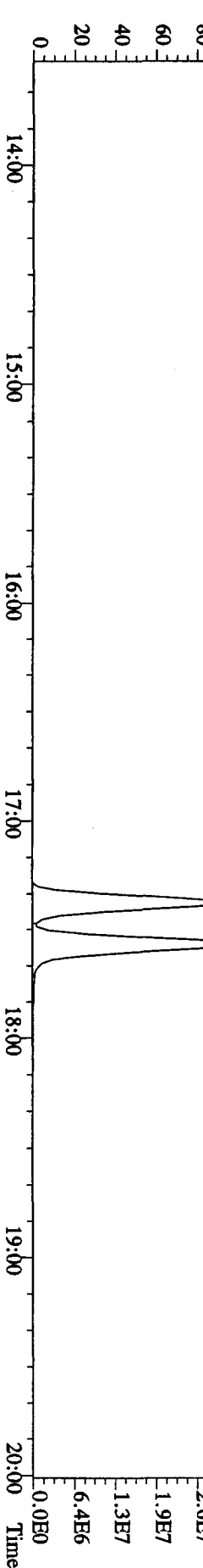
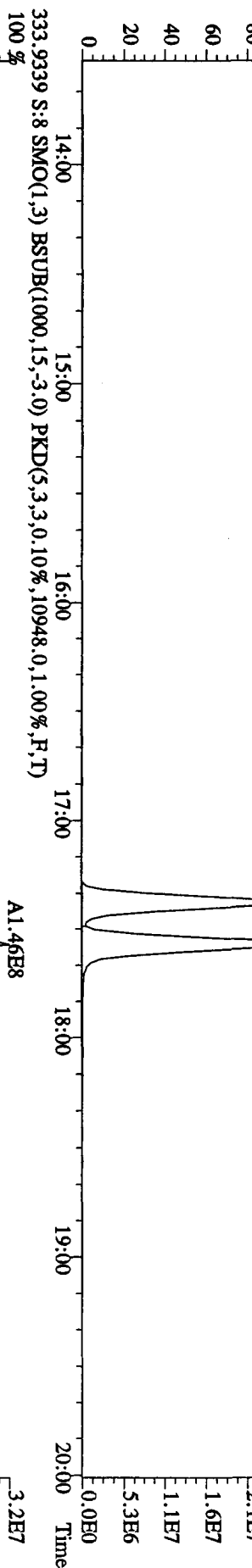
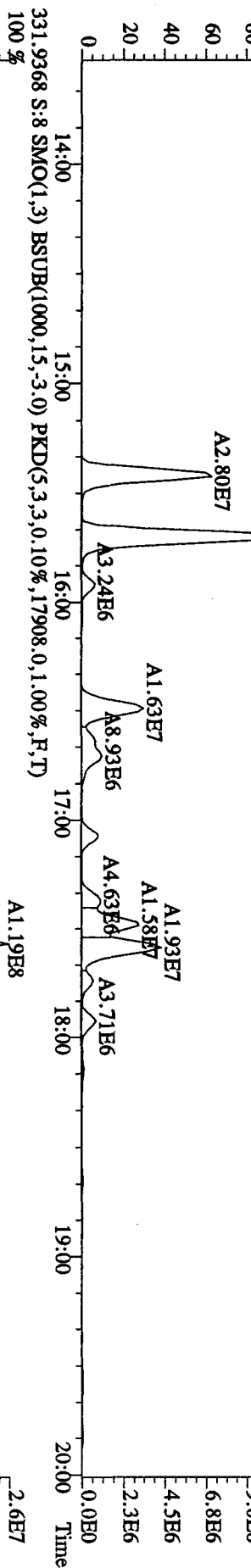
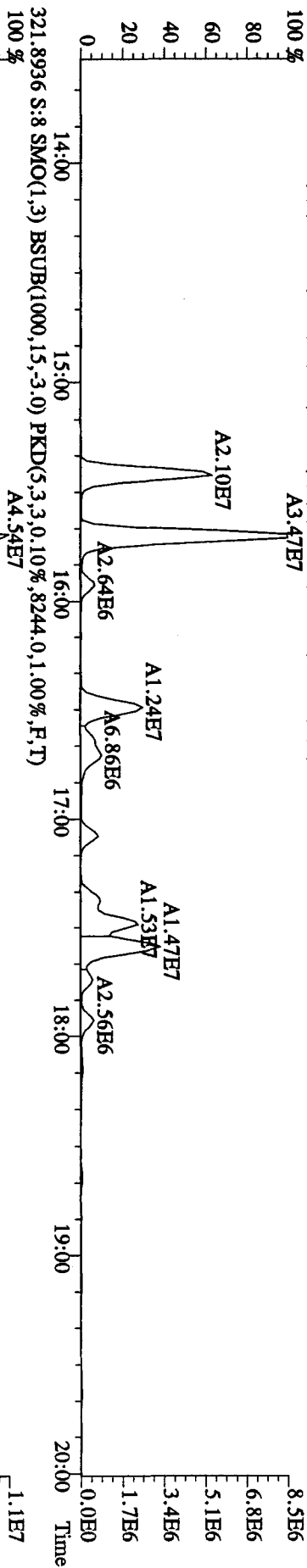
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Run text: LX0PR-1-AF Sample text: LX0PR-1-AF :GOD140543-10MS
 Run #9 Filename: 29AP101D5 S: 8 I: 1 Results: 29AP101D58290
 Acquired: 29-APR-10 14:43:11 Processed: 29-APR-10 22:38:45
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.02 g

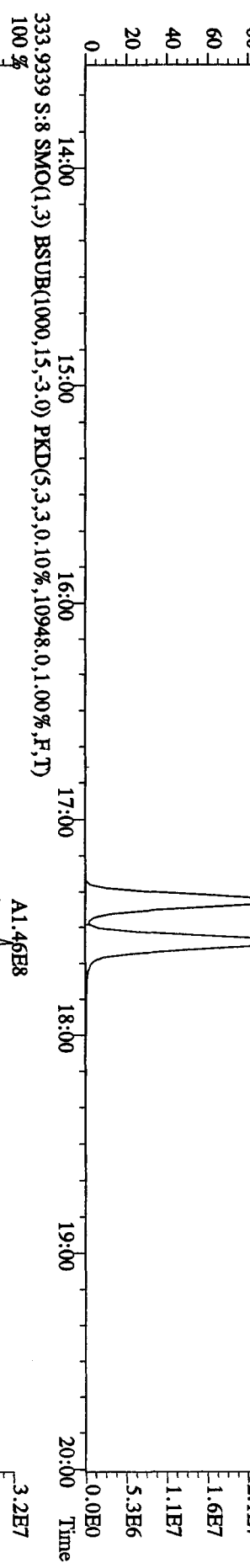
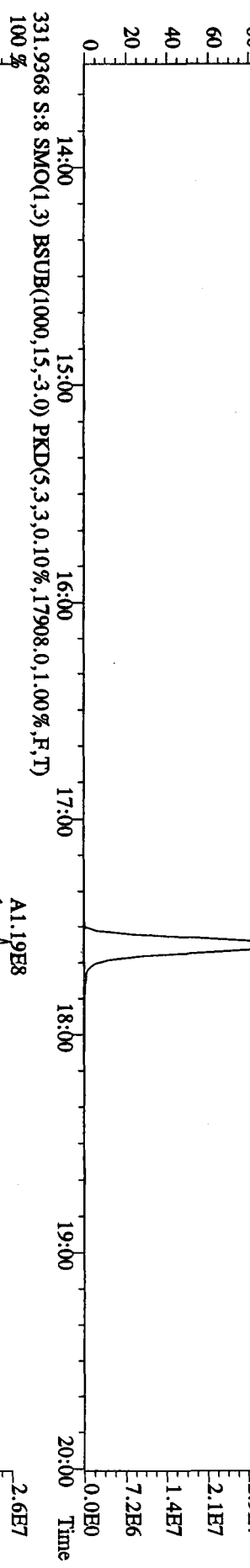
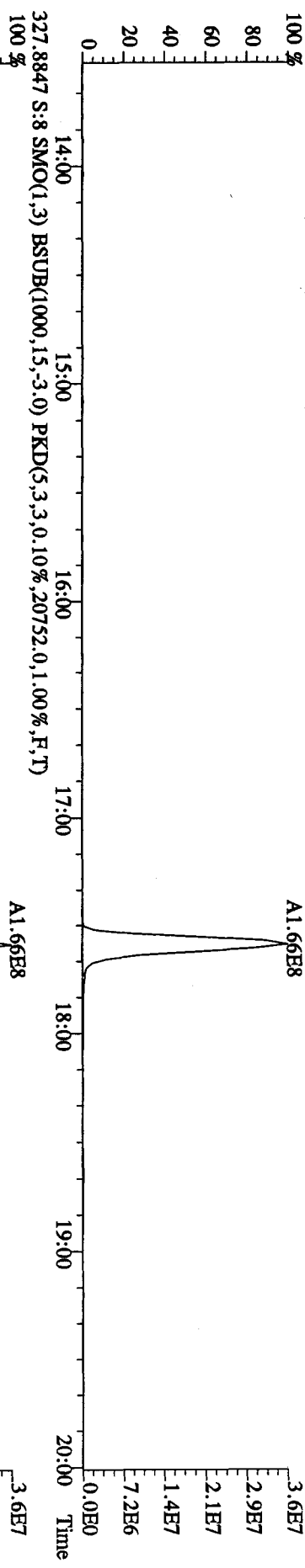
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	244497000	0.83 y	17:23	-	7.833	-	-	n
13C-2,3,7,8-TCDF	366442000	0.81 y	16:53	1.57	95.513	0.117	47.9	n
2,3,7,8-TCDF	665005000	0.77 y	16:55	0.86	421.259	0.538	-	n
Total TCDF	3443929800	0.77 y	14:32	0.86	2181.617 DB225	0.538	-	n
13C-2,3,7,8-TCDD	265856000	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



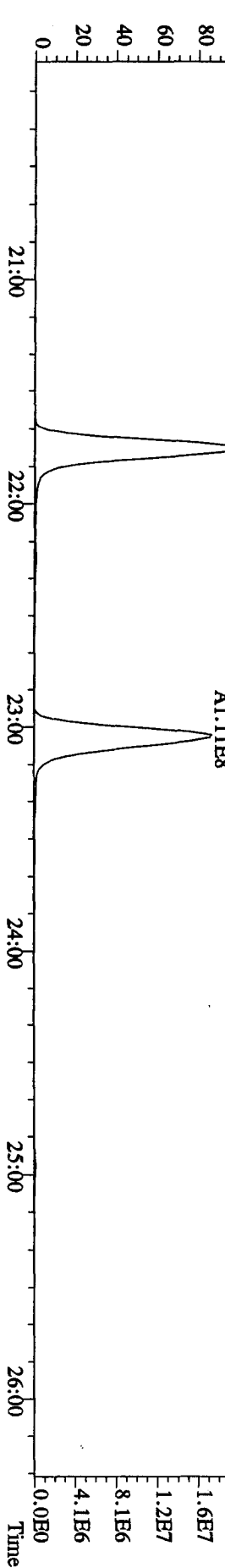
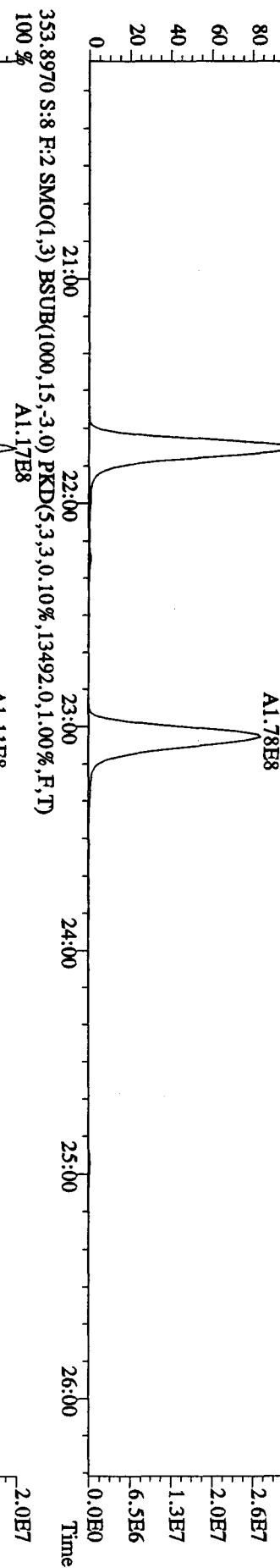
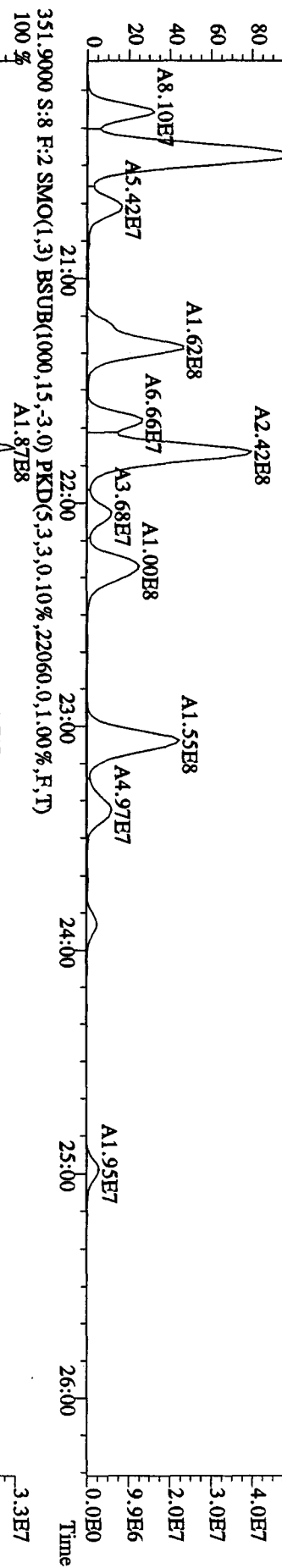
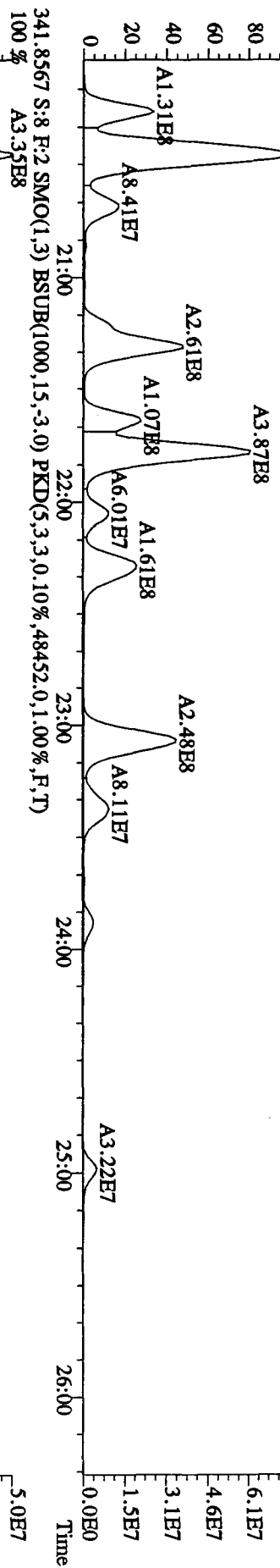
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8824,0.1,0.00%,F,T)
 100% A3.47E7



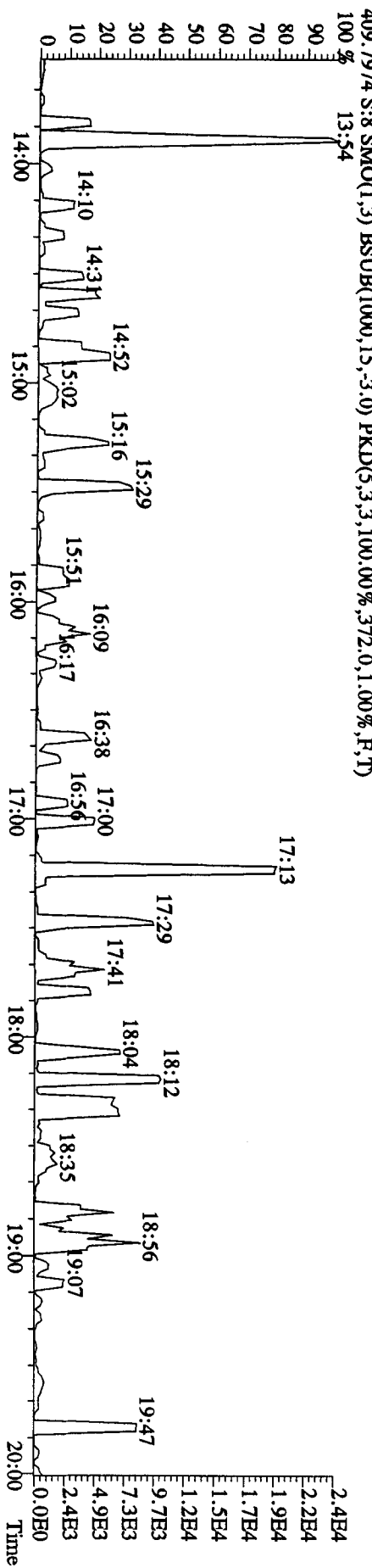
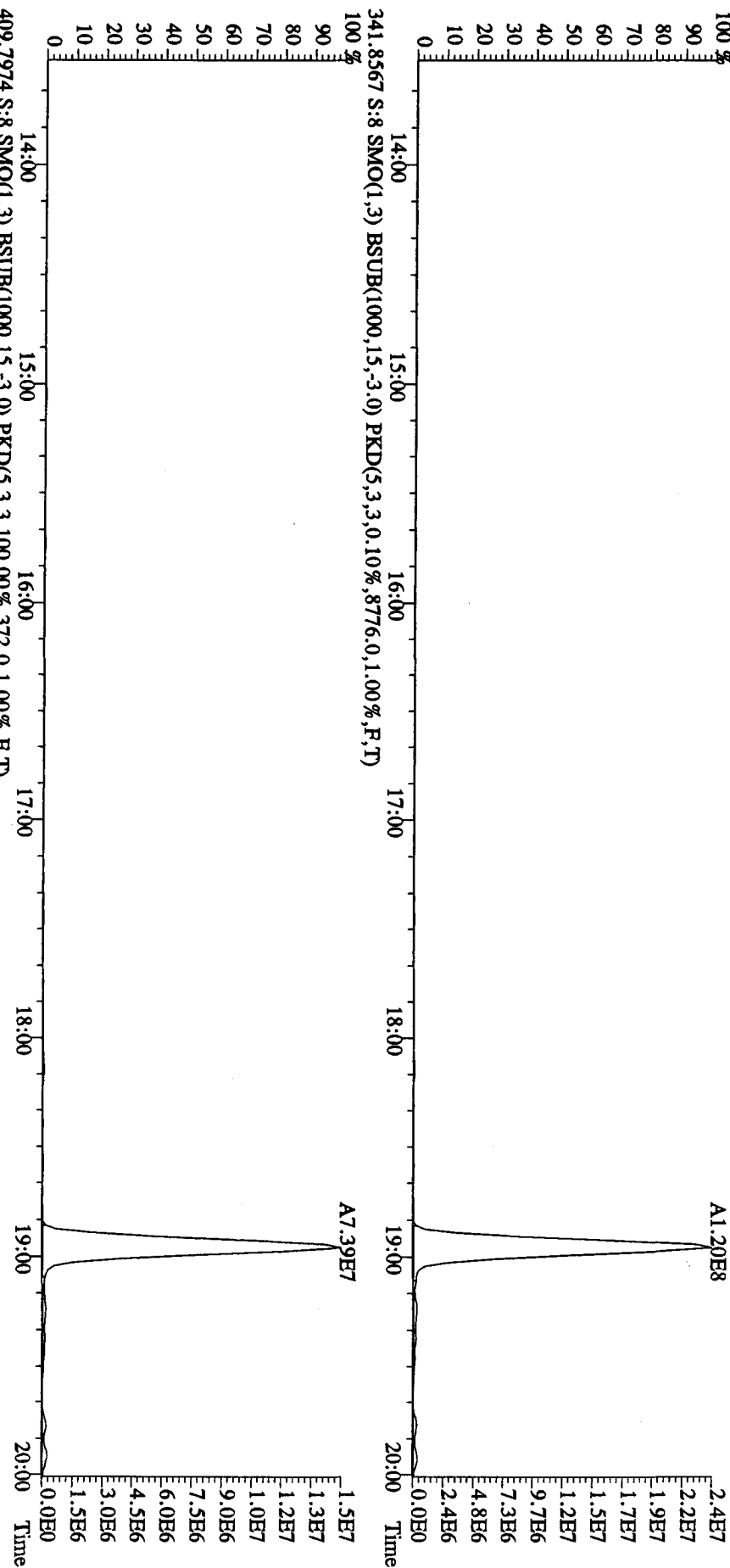
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Sample#8 Text:LXOPR-1-AF :G0D140543-10MS Exp:DIOXINRES
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,20752,0,1,00%,F,T)
100 %



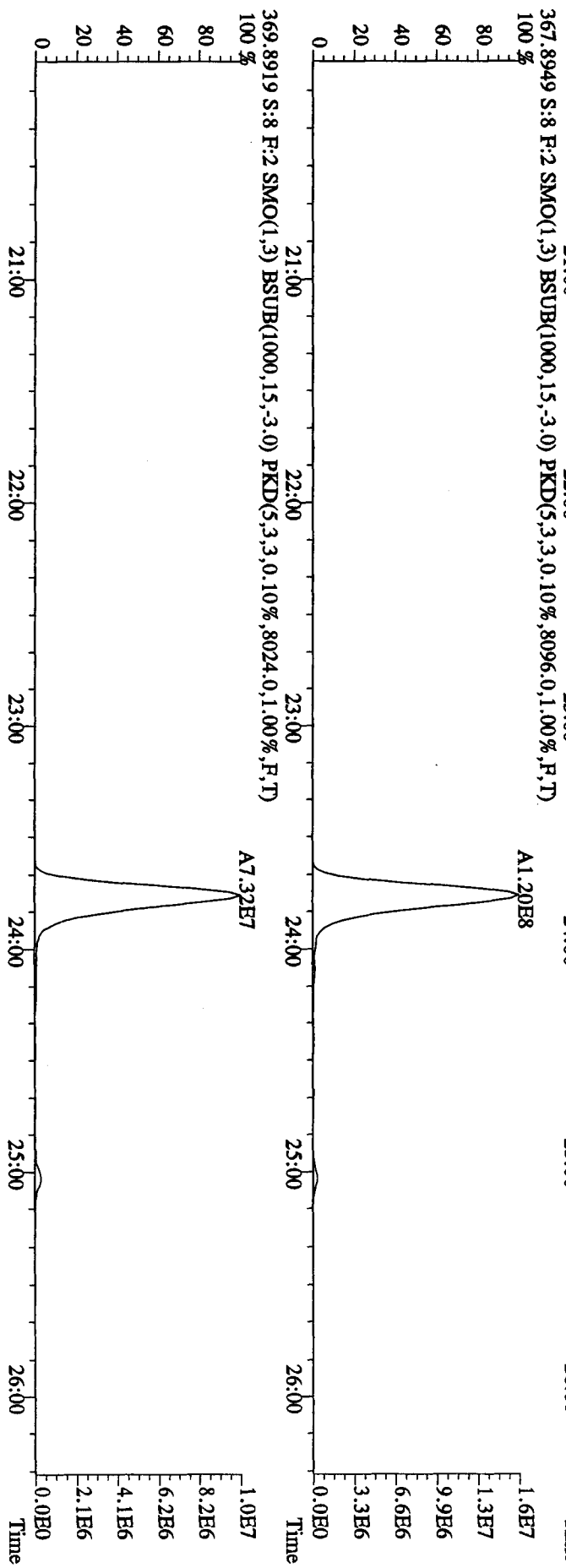
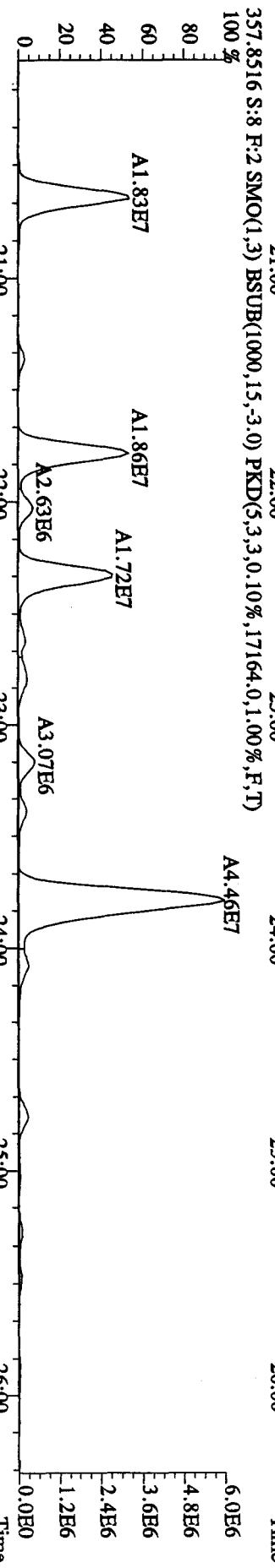
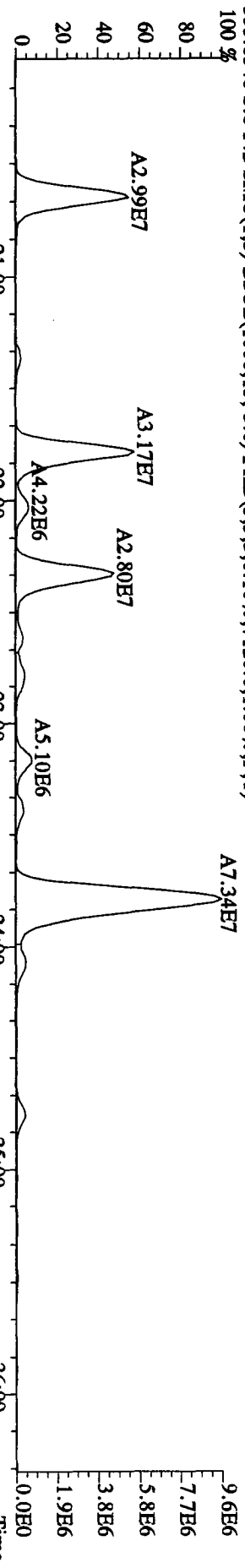
File:29AP101D5 #1-445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80580.0,1.00%,F,T)
 100% A5.26E8



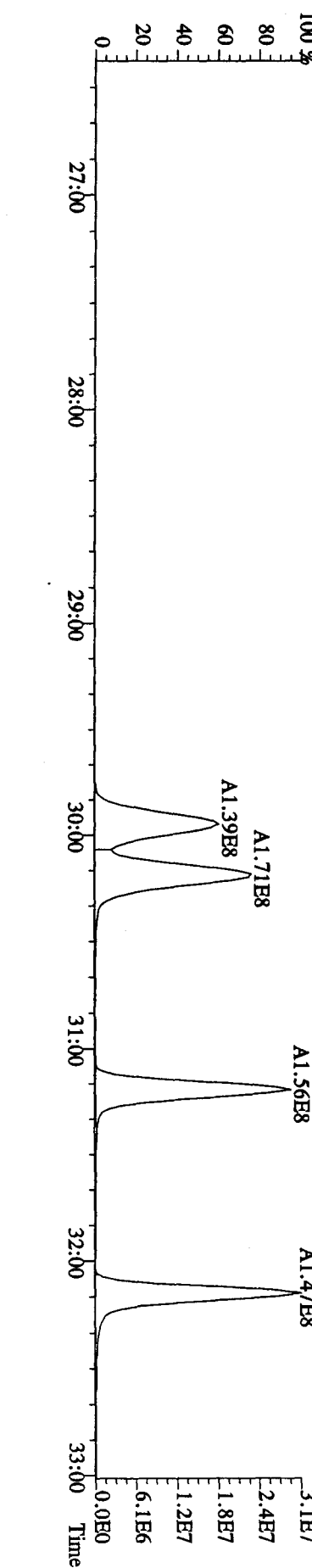
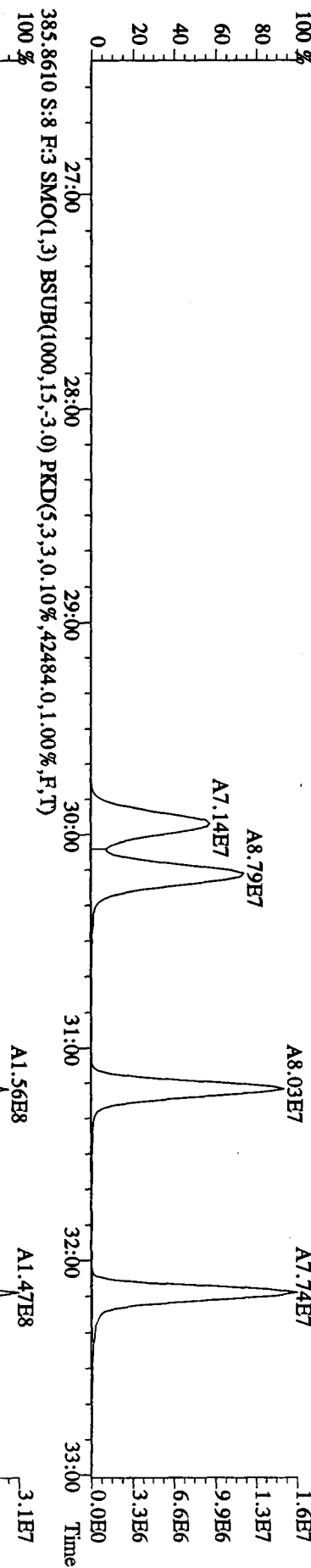
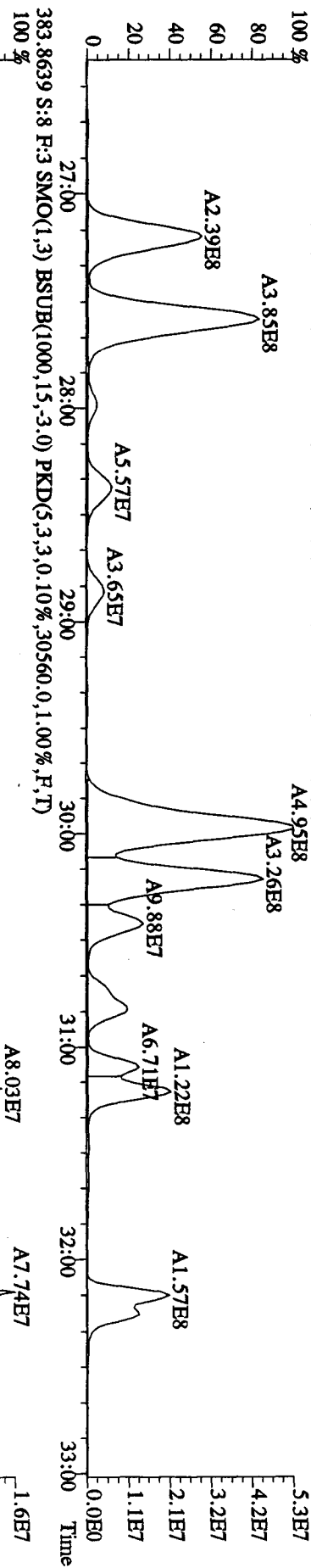
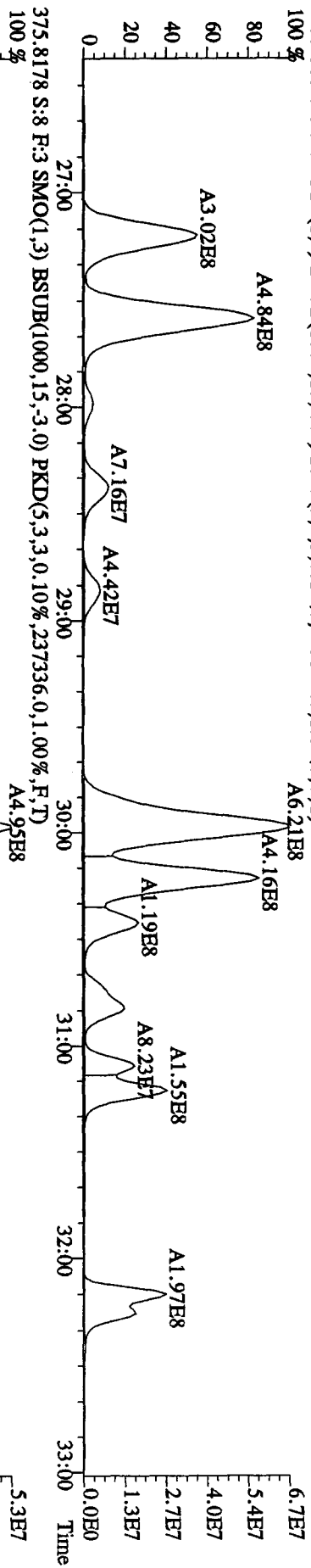
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 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 339.8597 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7600,0,1,00%,F,T)



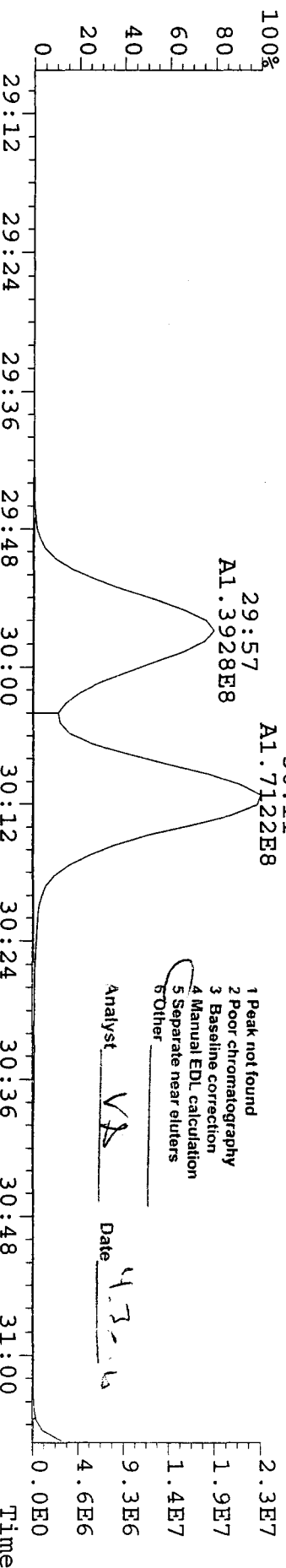
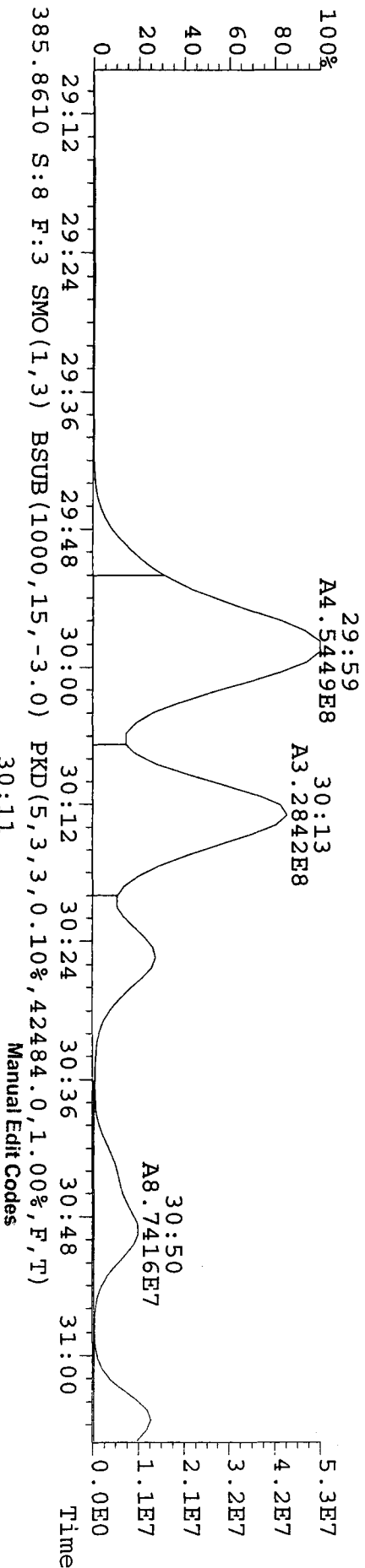
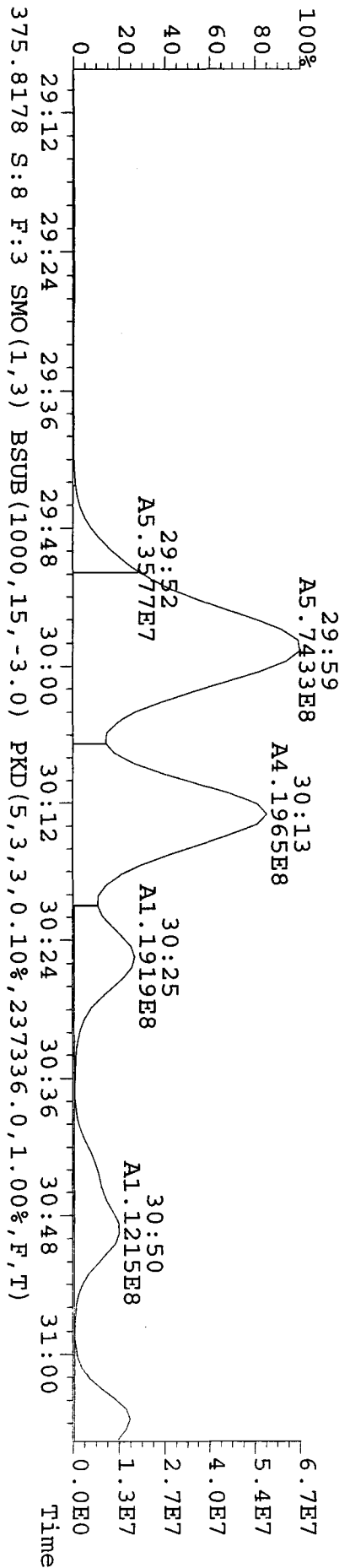
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 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7120.0,1.00%,F,T)



File:29AP1010D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS 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)



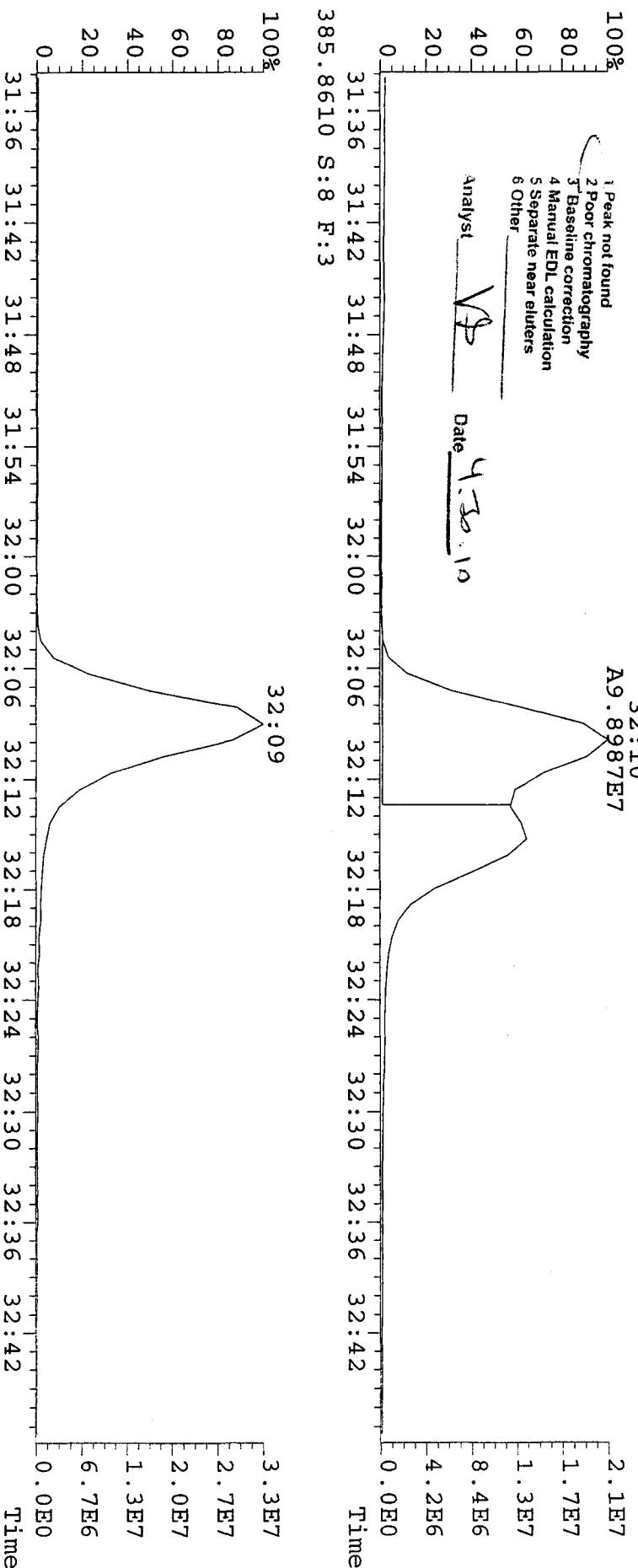
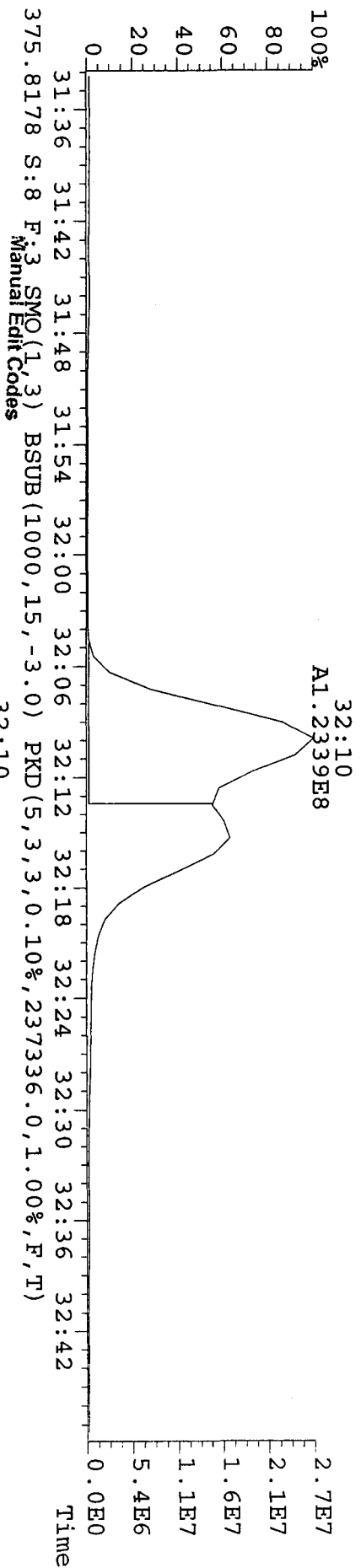
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 Sample#8 Text: LK0PR-1-AF :G0D140543-10 Exp:DIOXINRES
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)



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

Analyst VB 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 : 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)

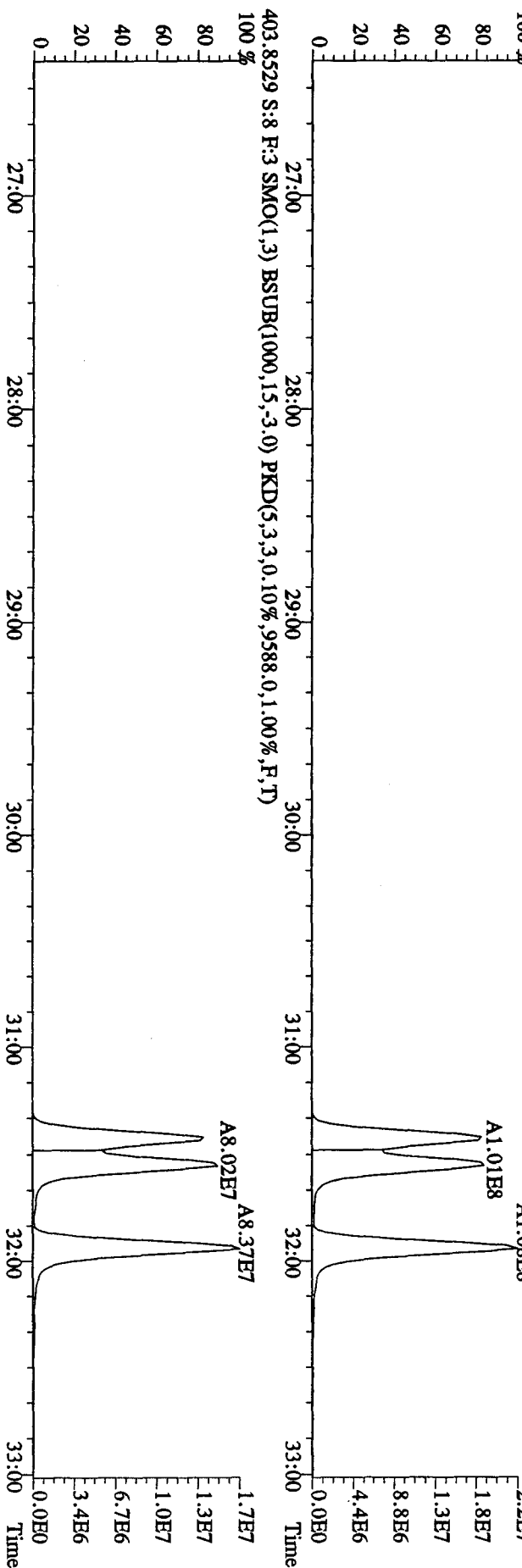
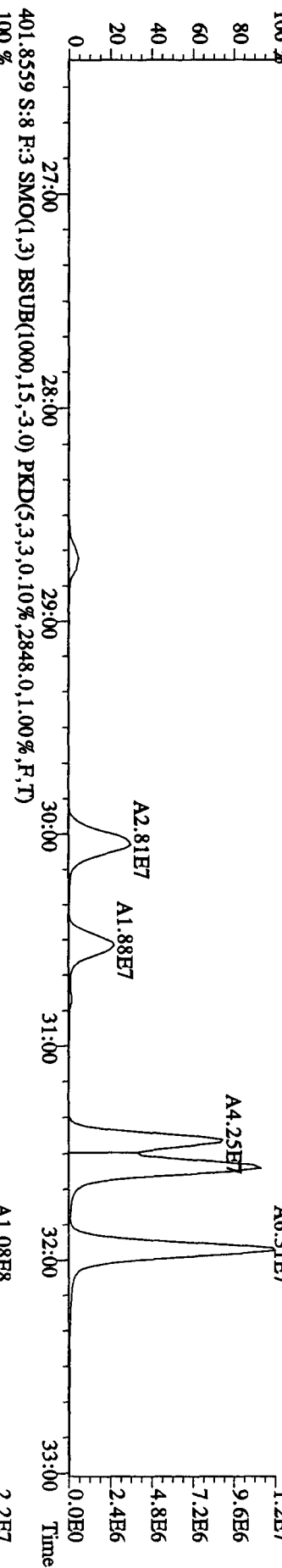
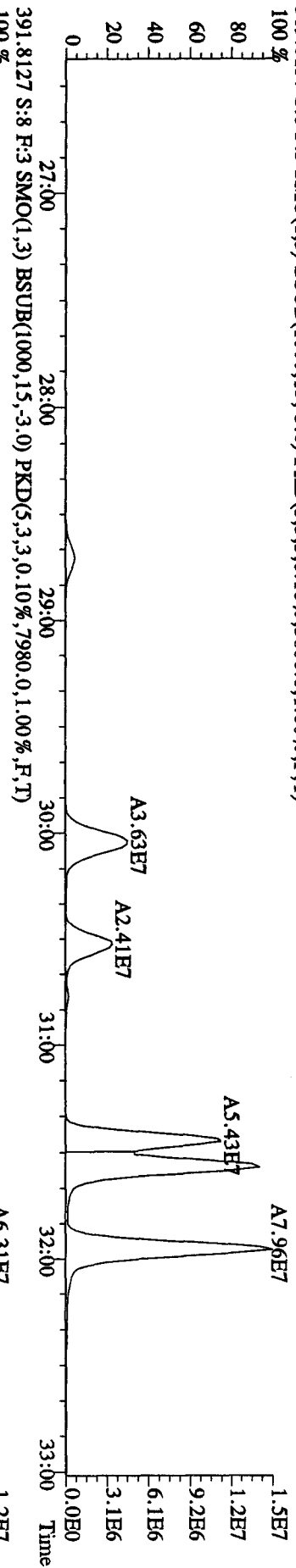


File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE

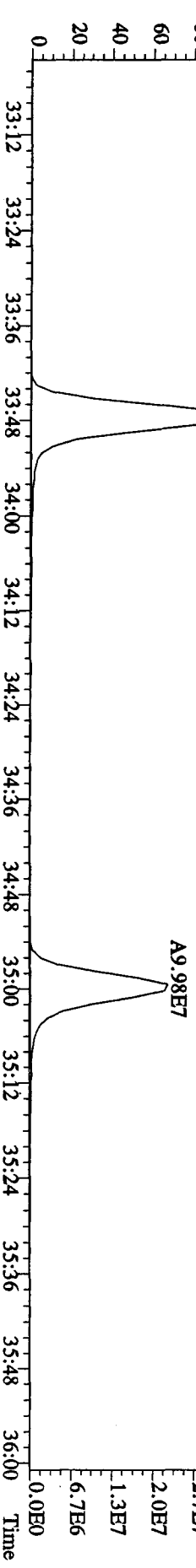
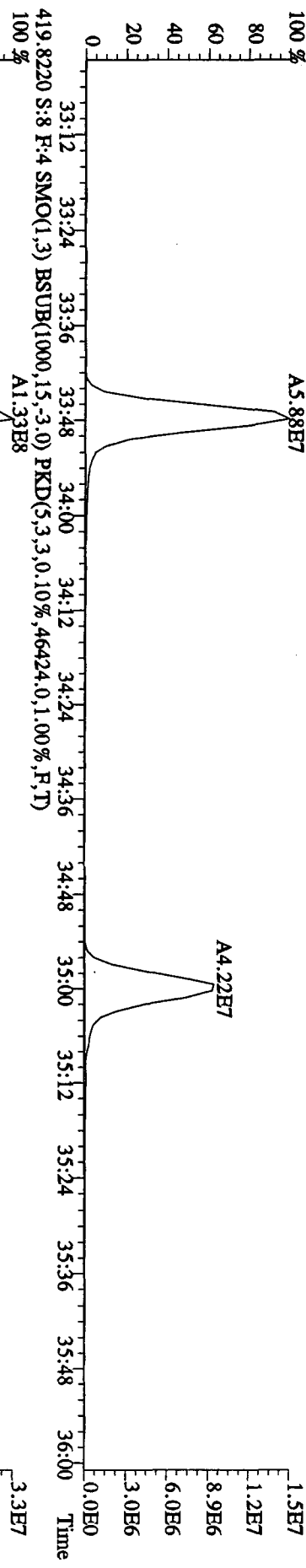
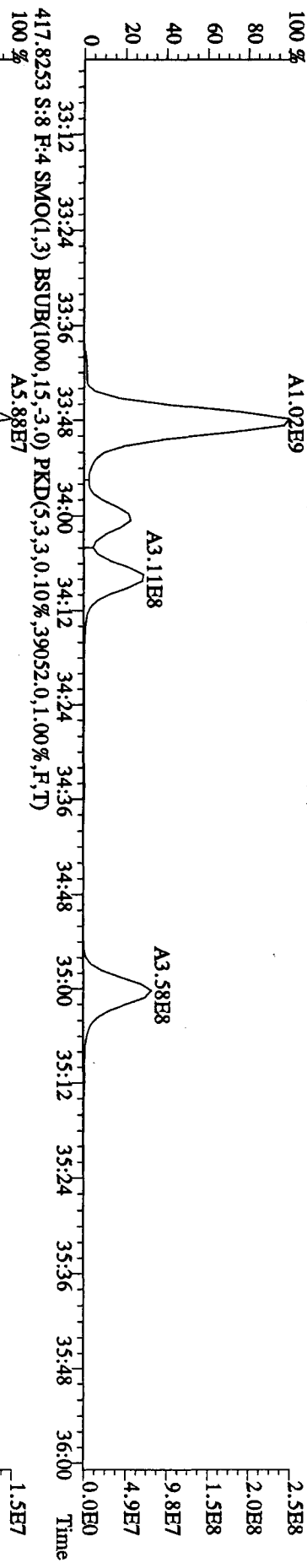
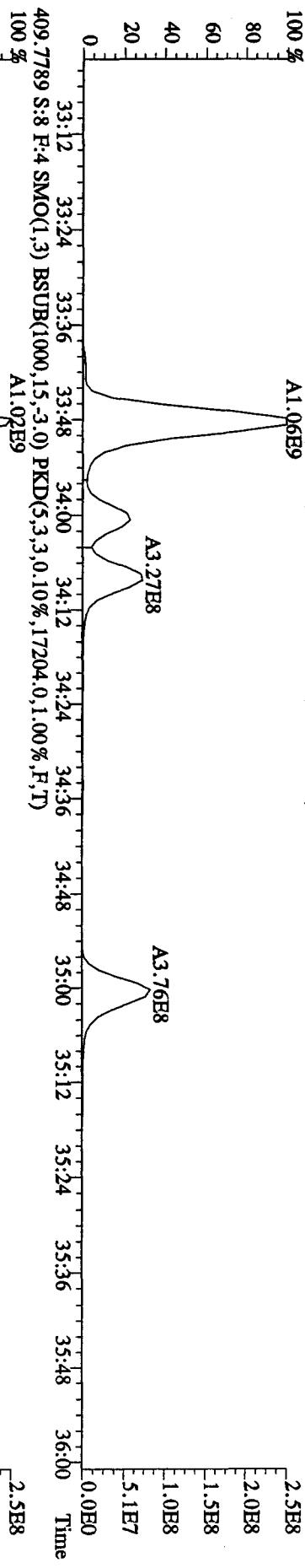
Exp:DIOXINRES

Sample#8 Text:LX0PR-1-AF :GOD140543-10MS

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)



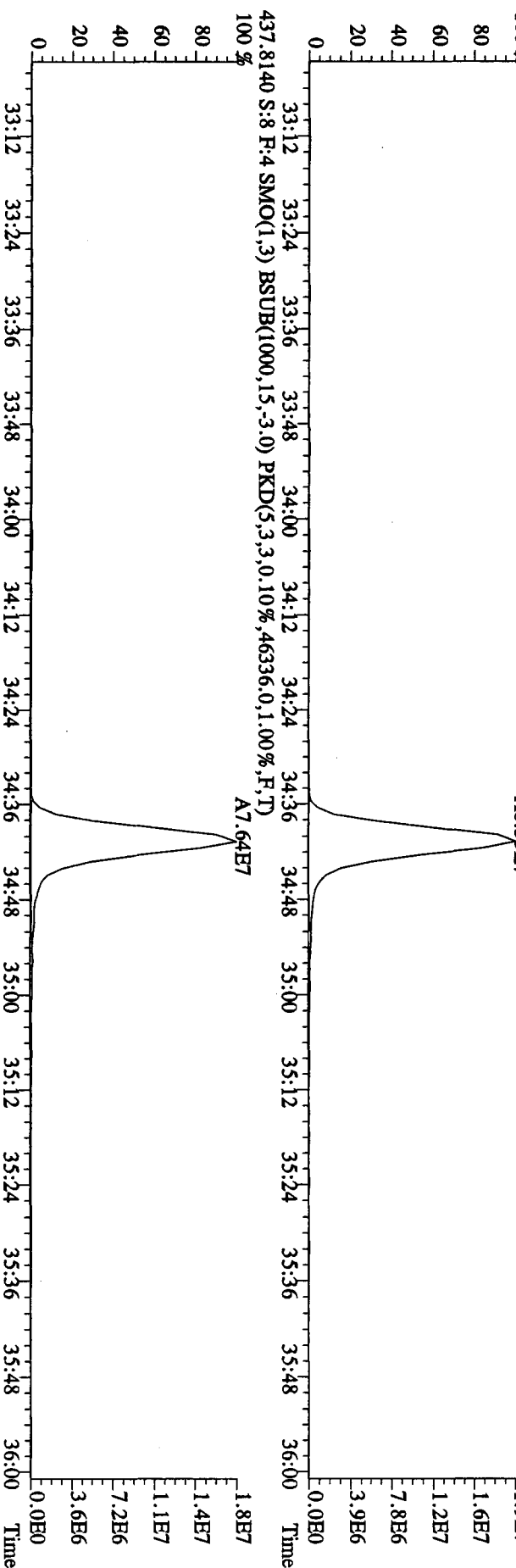
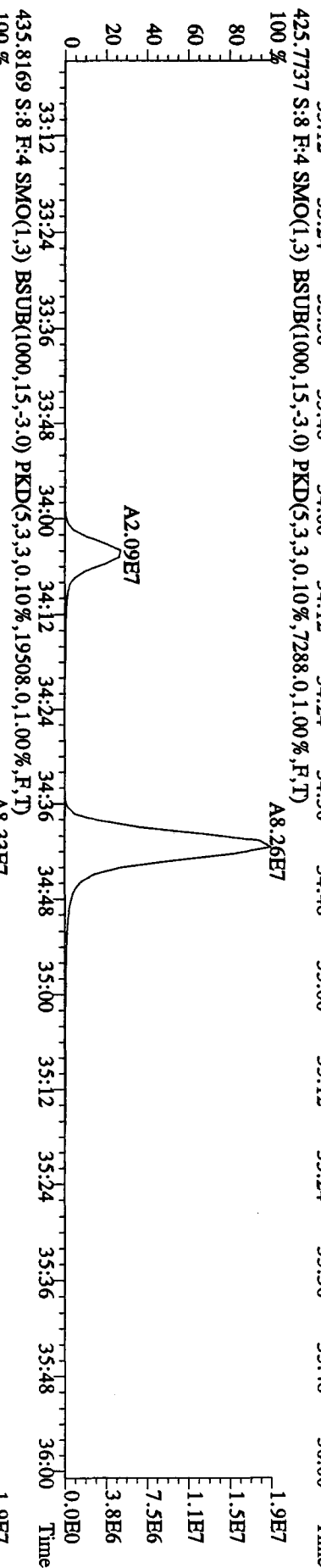
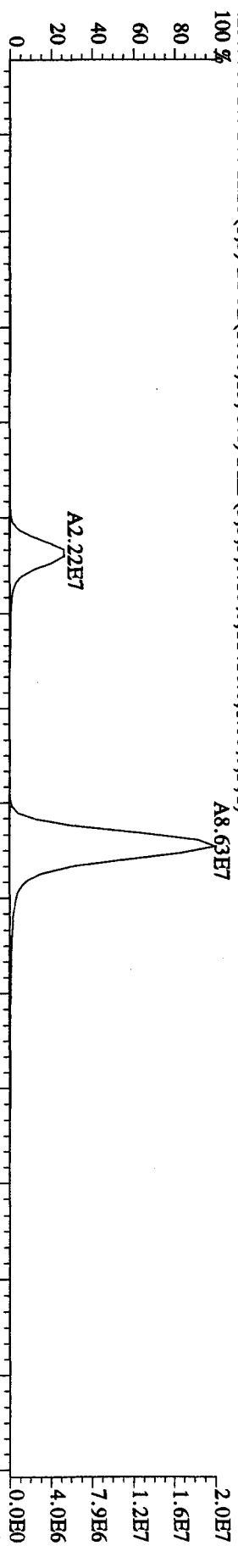
File: 29AP101D5 #1-210 Acq: 29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text: LXOPR-1-AF :GOD140543-10MS Exp.: DIOXINRES
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,19132.0,1.00%,F,T)



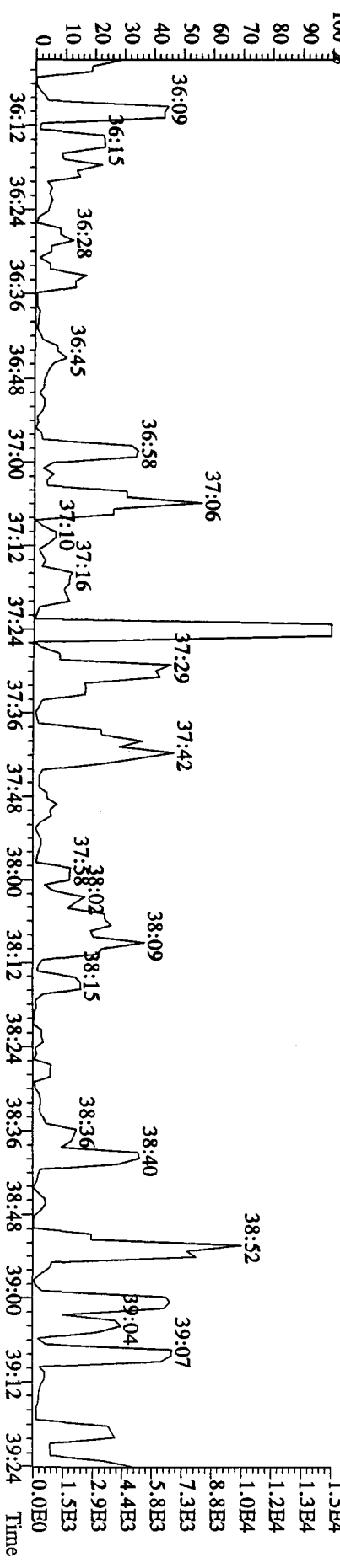
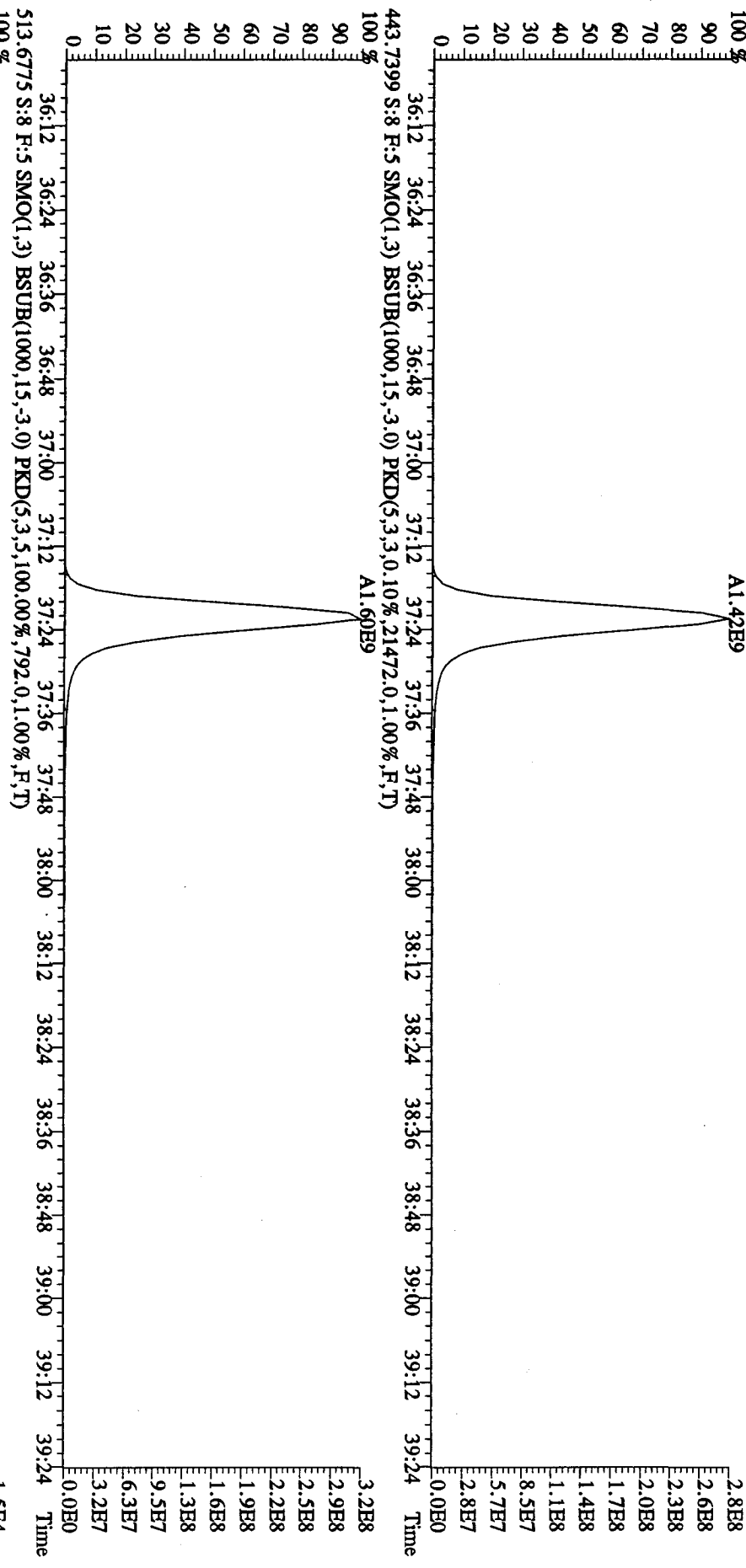
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Sample#8 Text:LXOPR-1-AP :GOD140543-10MS Exp:DIOXINRES

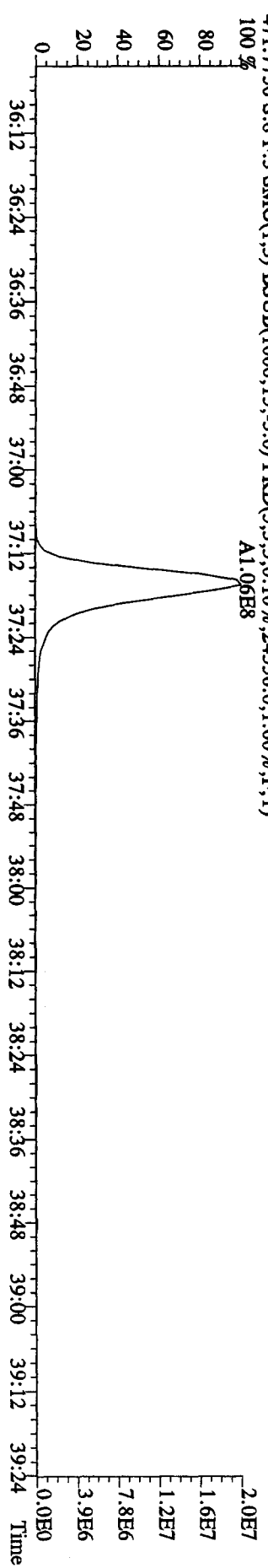
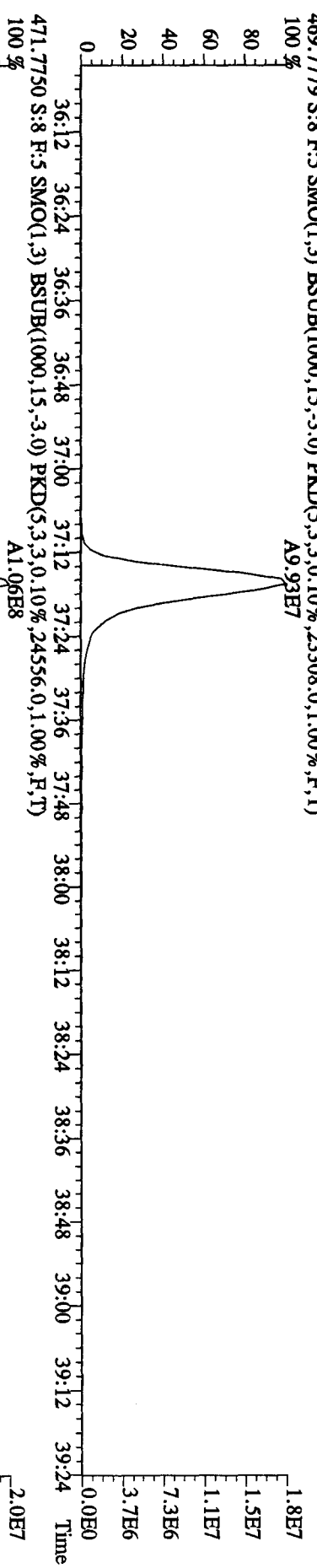
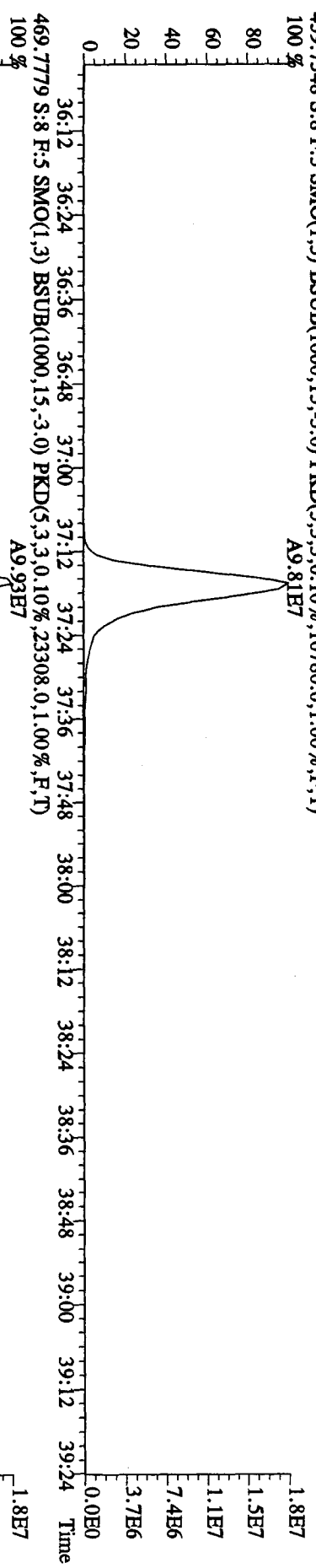
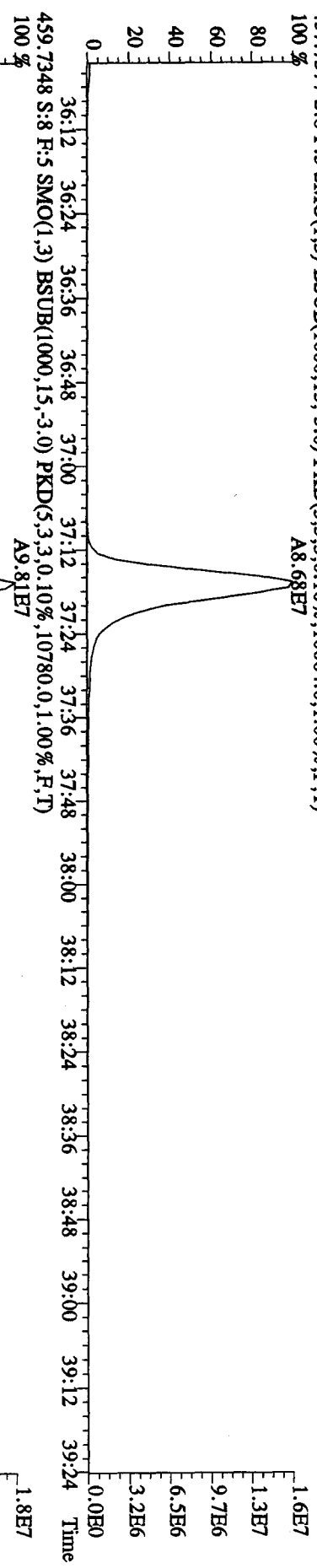
423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11416.0,1.00%,F,T)

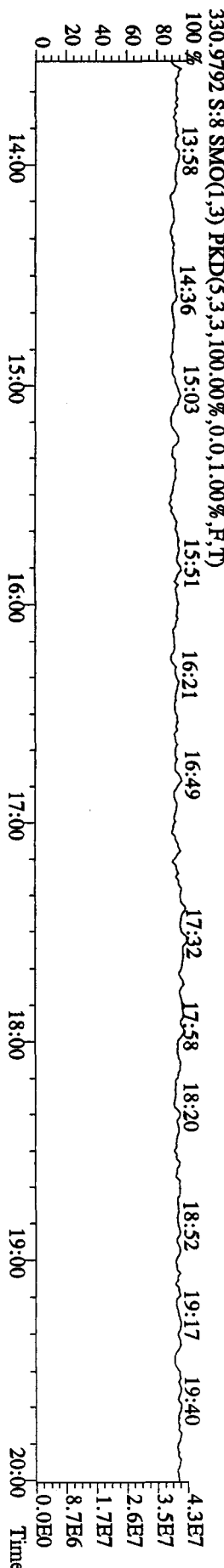
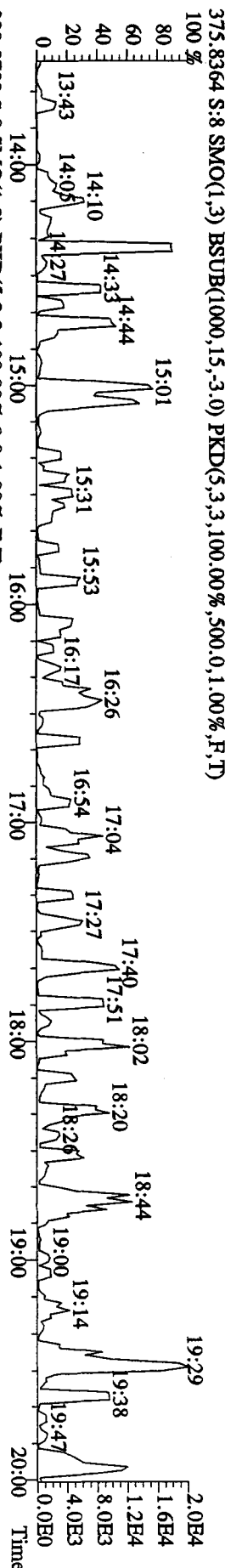
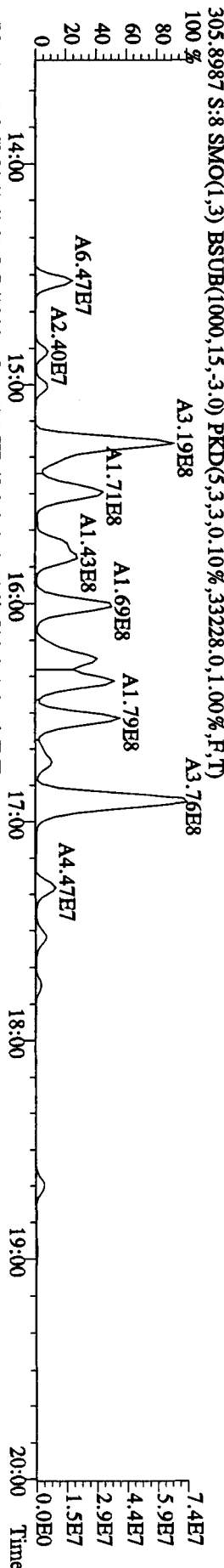
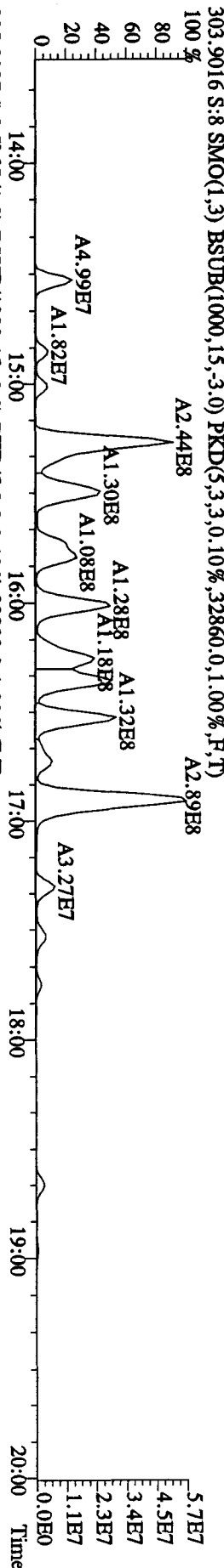
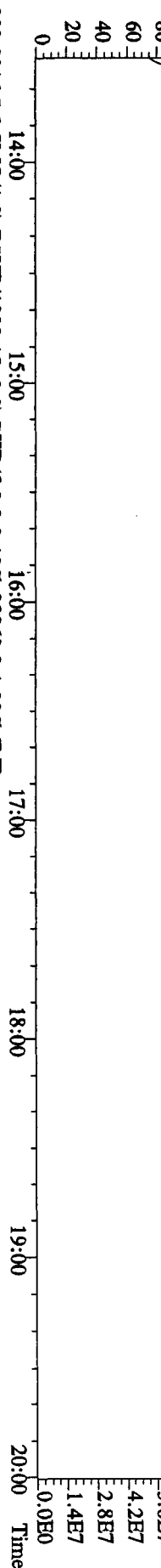


File: 29AP101D5 #1-243 Acq: 29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample# 8 Text: LXOPR-1-AF :GOD140543-10MS Exp: DIOXINRES
 441.7428 S: 8 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,32296.0,1.00%,F,T)
 A1.42E9



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:DIOXINRES
 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)
 100 % A8.68E7

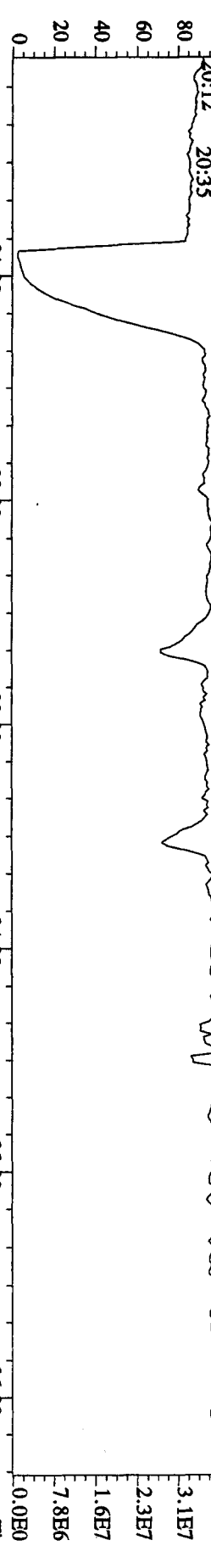




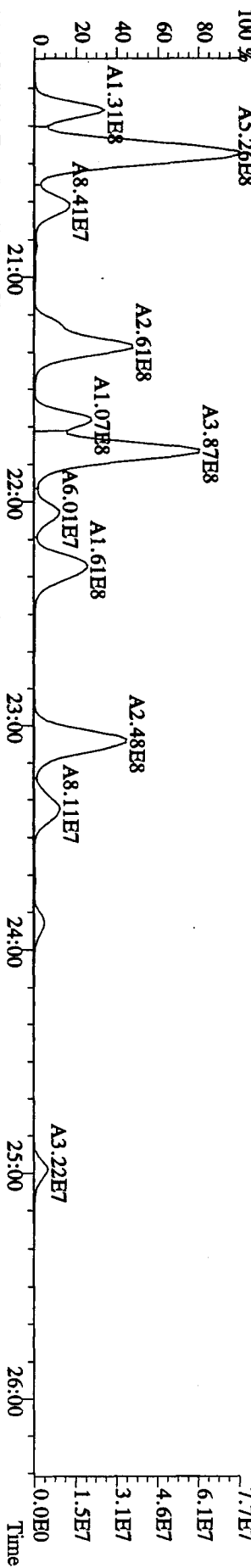
File:29AP101D5 #1-445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE

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

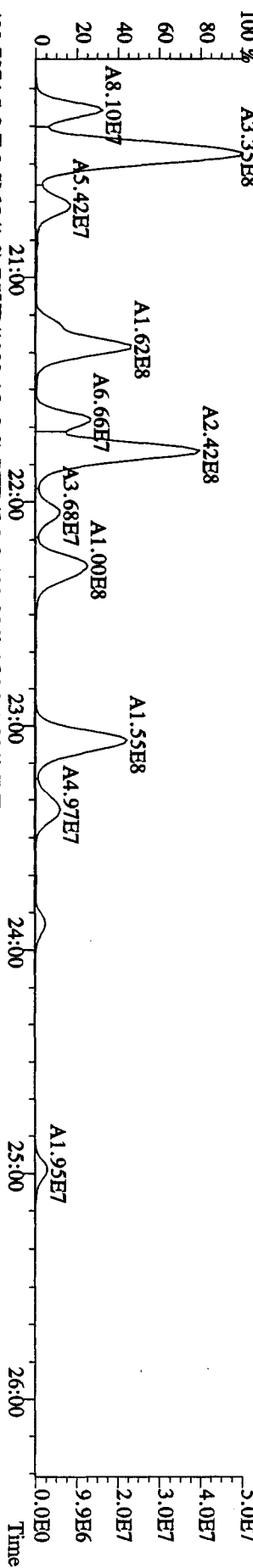
342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



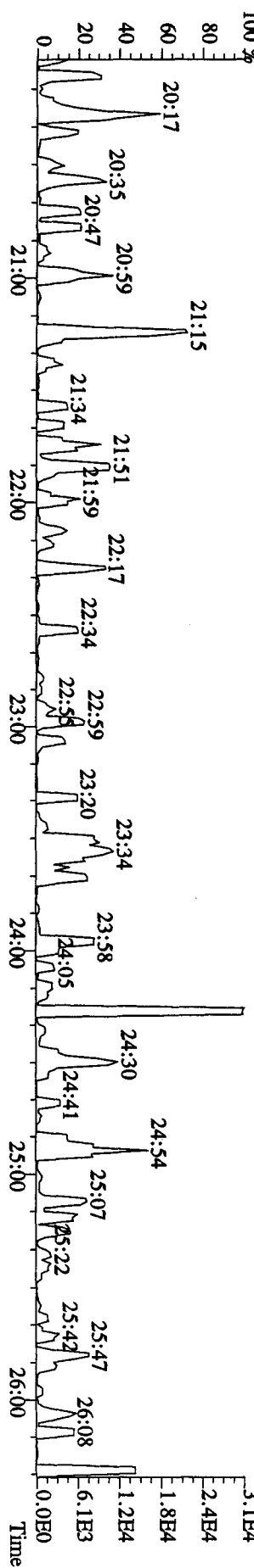
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,80580.0,1.00%,F,T)



341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,48452.0,1.00%,F,T)

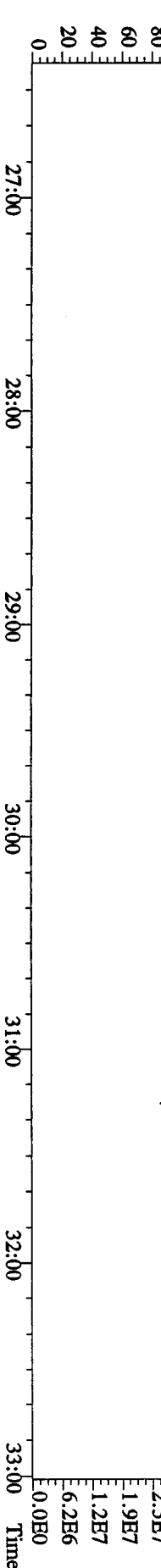
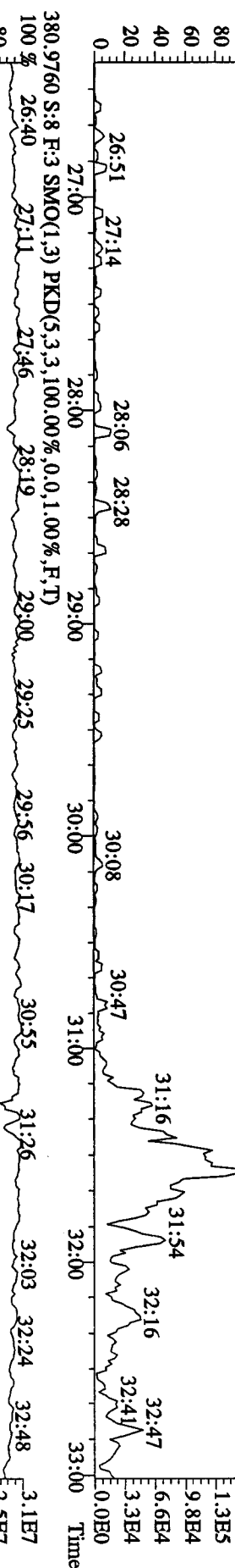
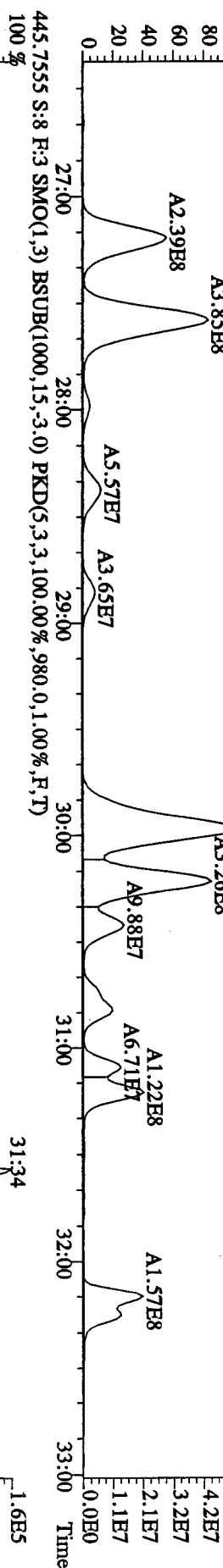
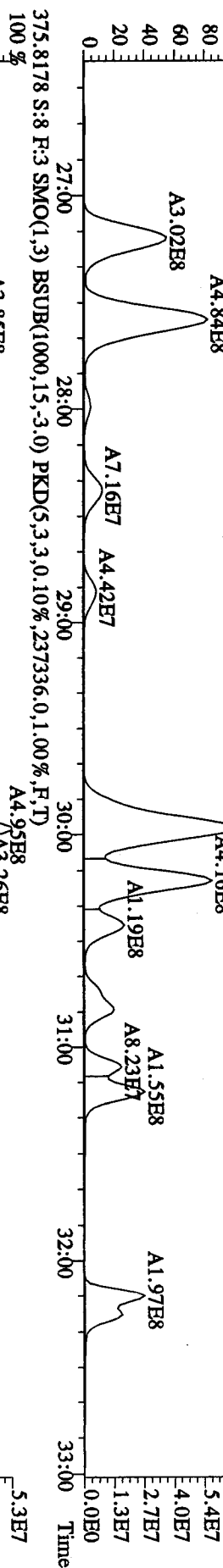
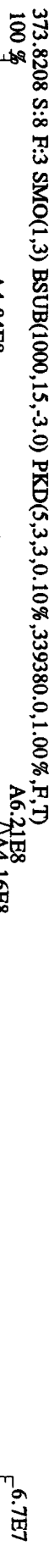
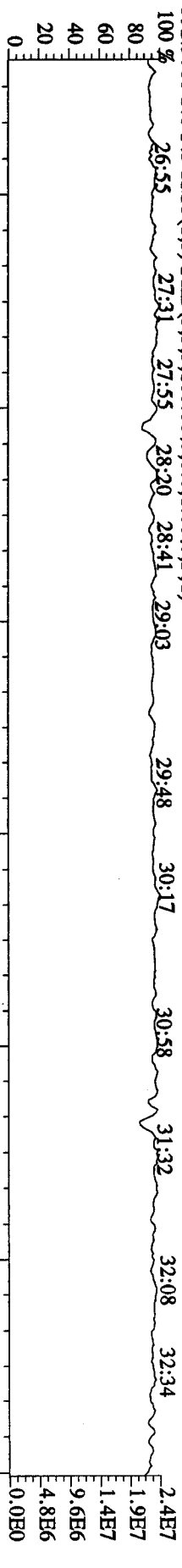


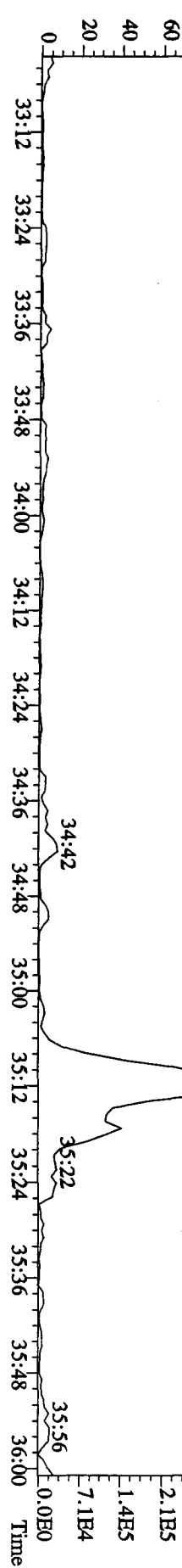
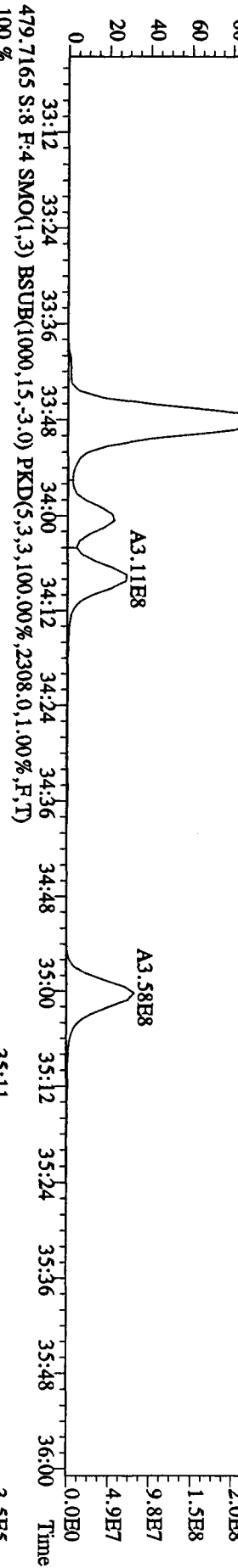
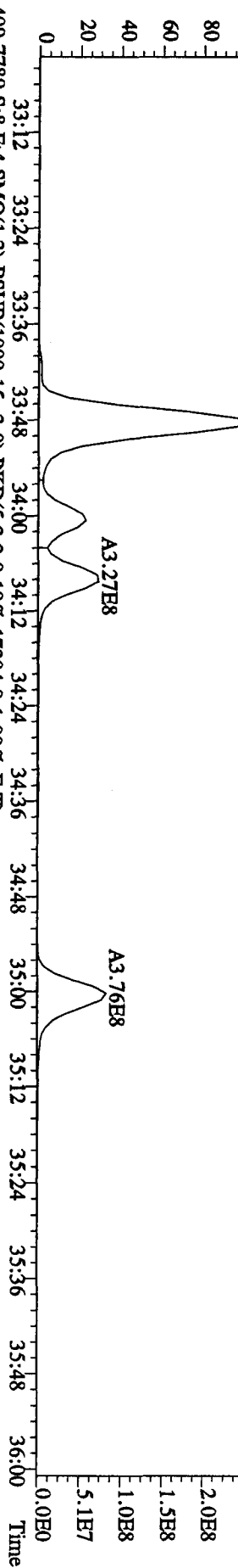
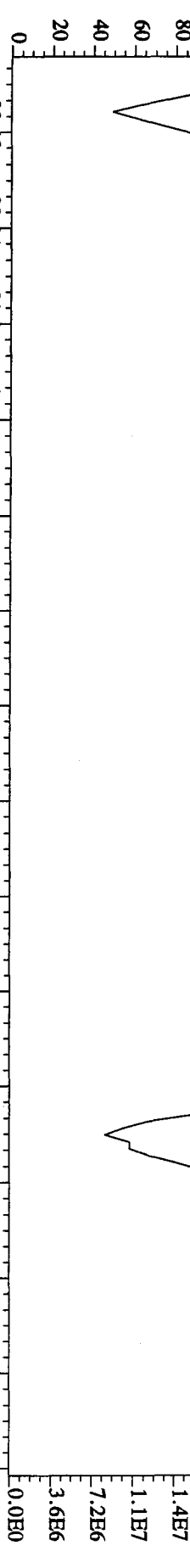
409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,256.0,1.00%,F,T)



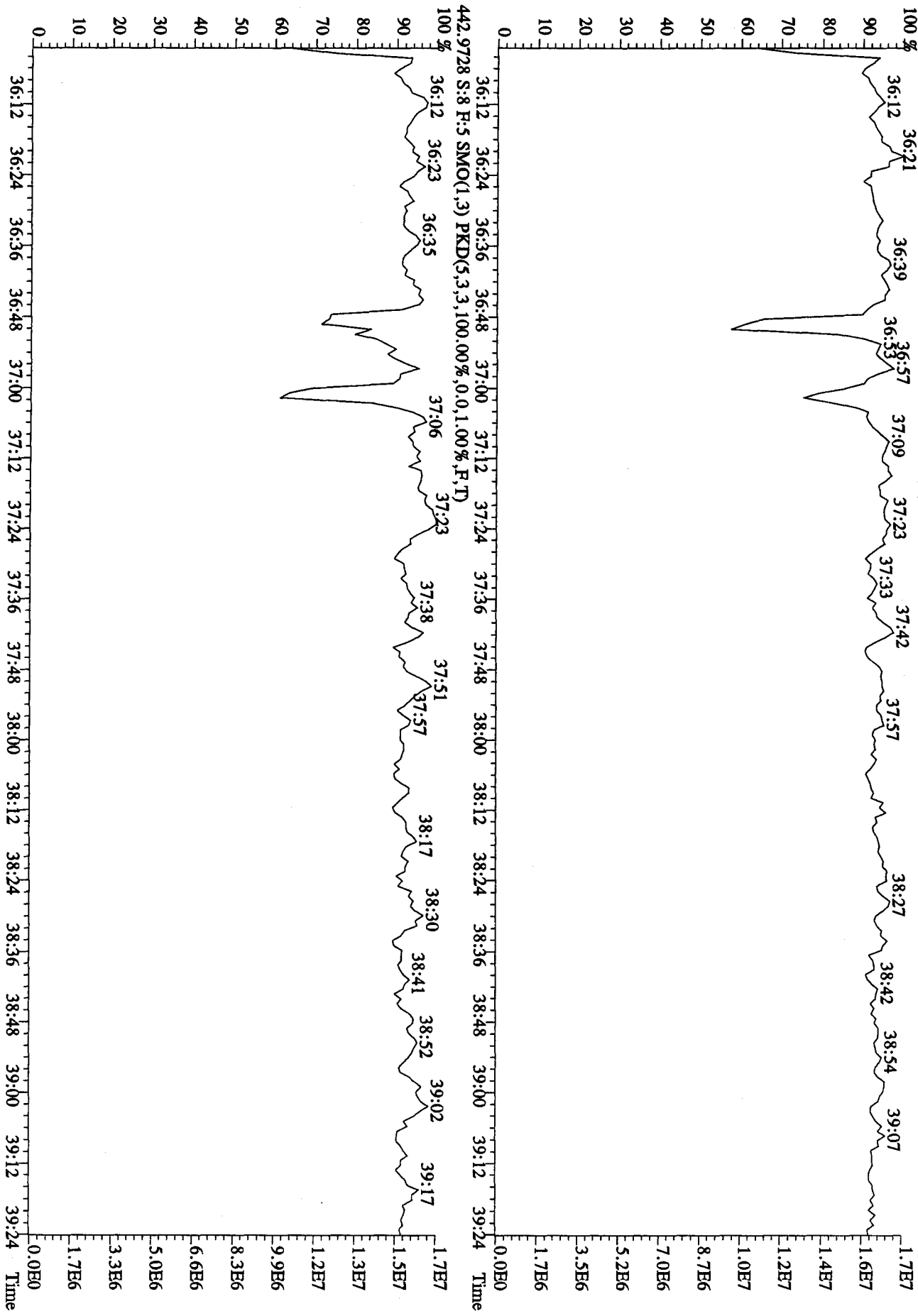
Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES

392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)





File: 29AP101D5 #1-243 Acq: 29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text: LIXOPR-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)

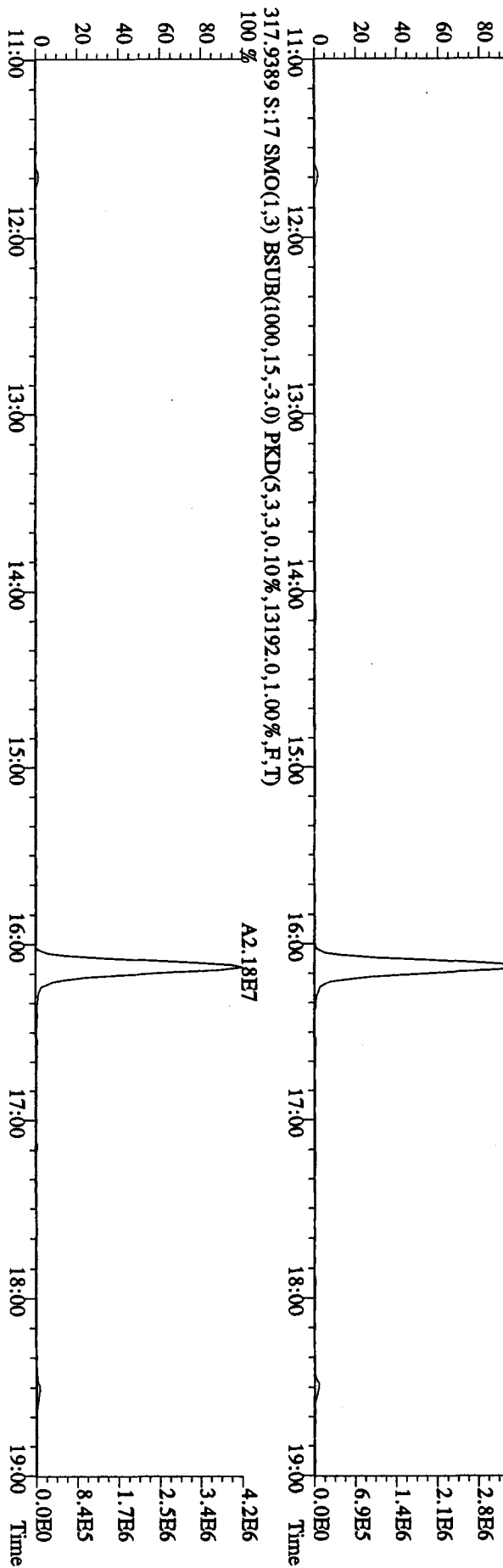
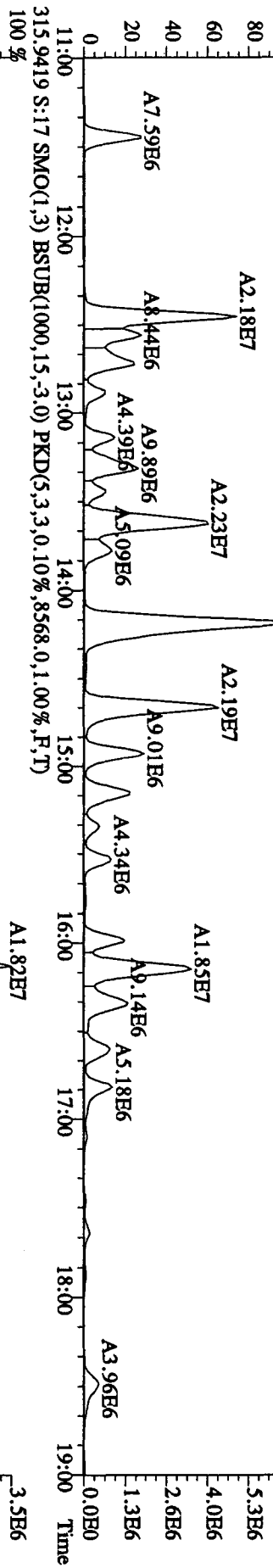
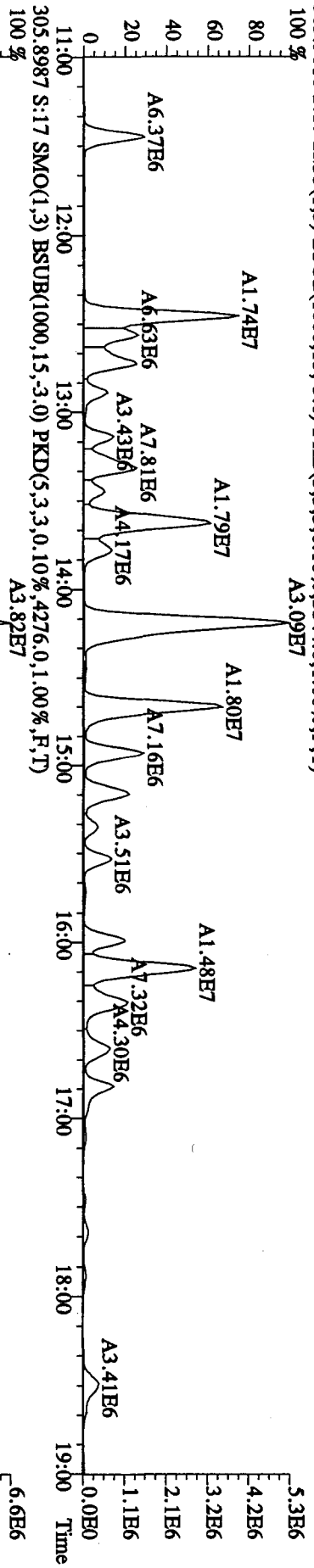


Run text: LXOPR-1-AF Sample text: LXOPR-1-AF :GOD140543-10S
 Run #20 Filename: 01MY10A5D2 S: 17 I: 1 Results: 01MY10A5D2DB225
 Acquired: 2-MAY-10 05:32:10 Processed: 3-MAY-10 09:37:29
 Run: 01MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.02 g

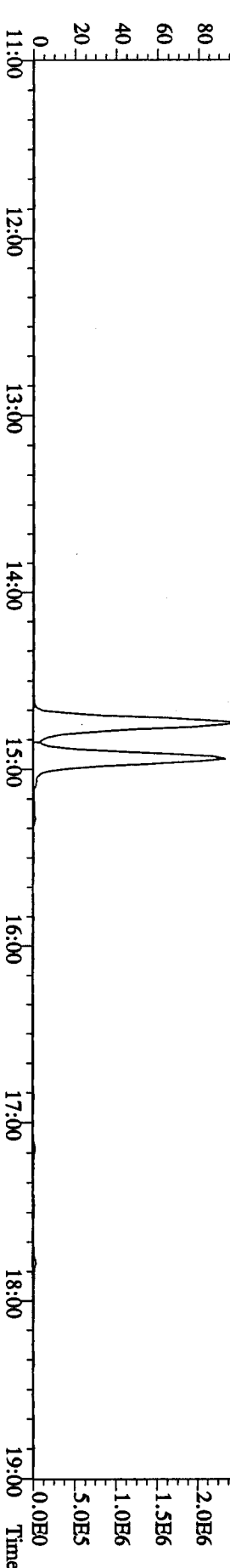
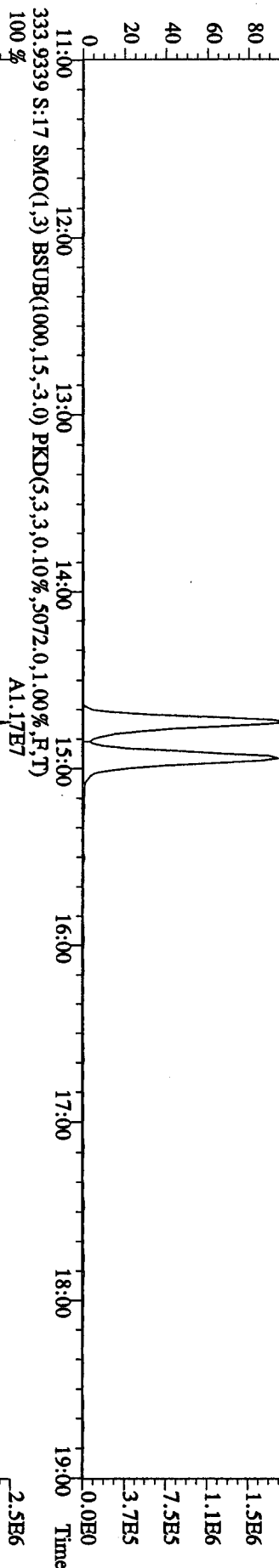
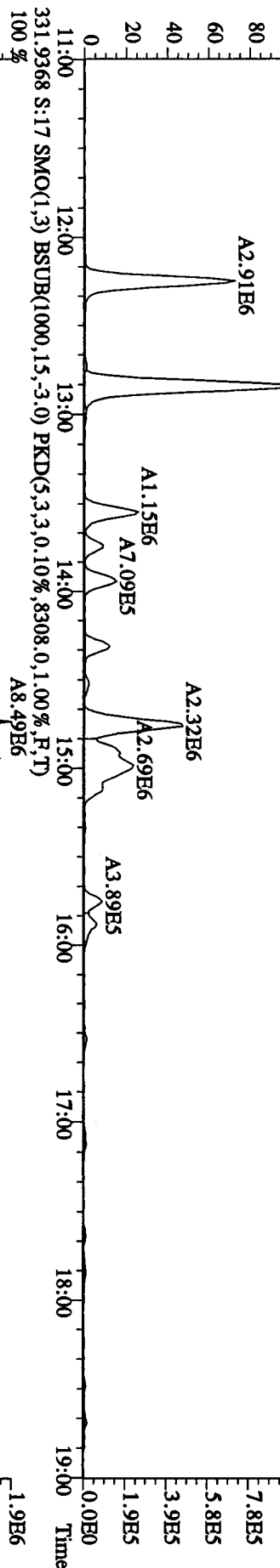
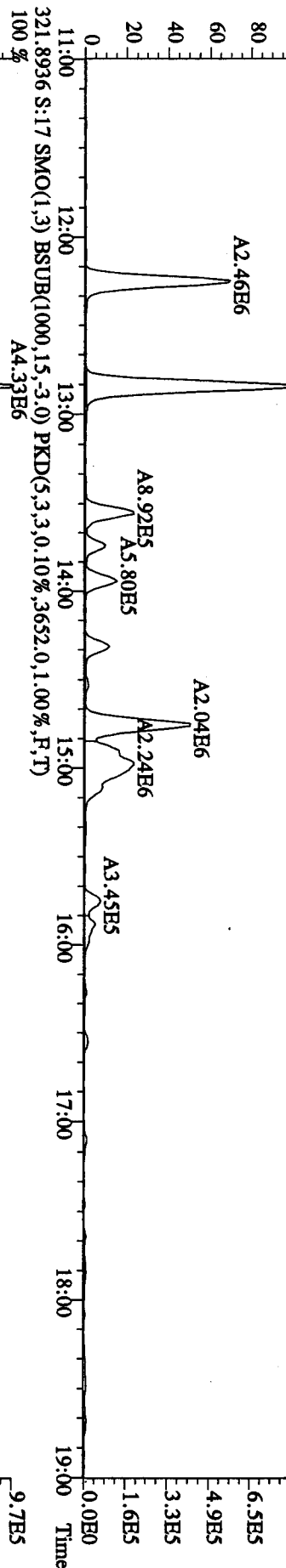
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	19358650	0.80 y	14:57	-	1.942	-	-	n
13C-2,3,7,8-TCDF	39998200	0.83 y	16:08	2.11	97.899	0.760	49.0	n
2,3,7,8-TCDF	33302300	0.80 y	16:09	1.09	152.681	0.562	-	n
13C-2,3,7,8-TCDD	20157090	0.73 y	14:44	0.95	109.563	1.038	54.9	n
2,3,7,8-TCDD	4357410	0.88 y	14:45	1.36	31.791	0.697	-	n
37Cl-2,3,7,8-TCDD	24585800	1.00 y	14:45	2.28	55.637	0.044	69.7	n

AK 5/4/10

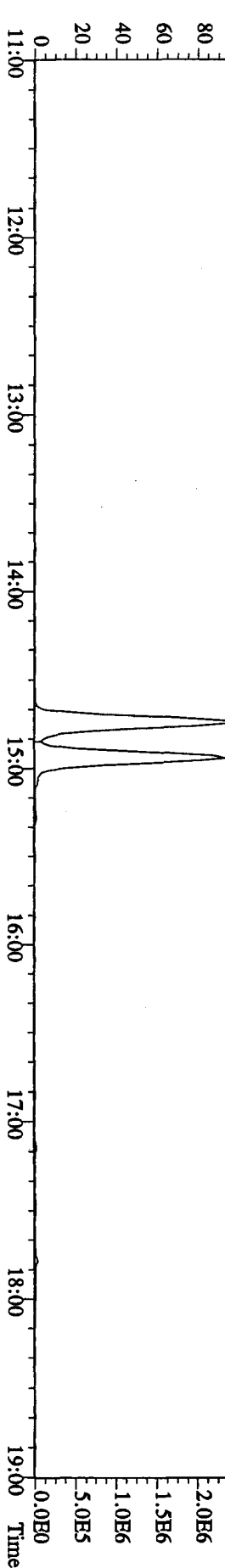
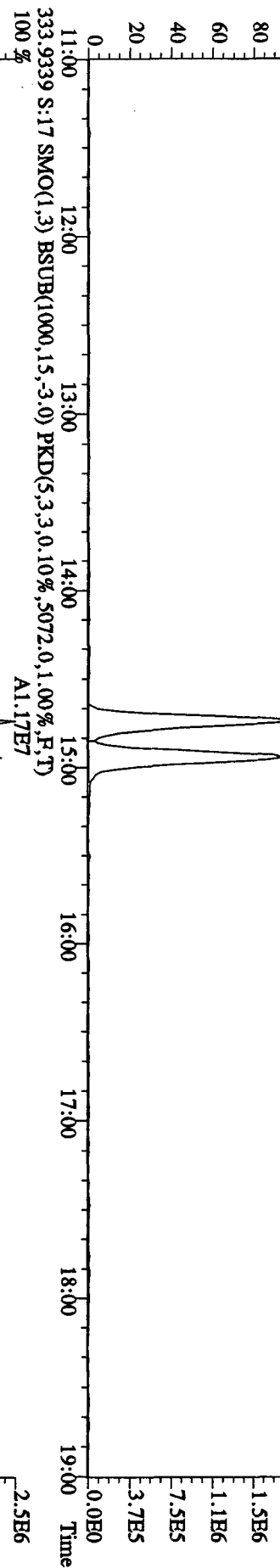
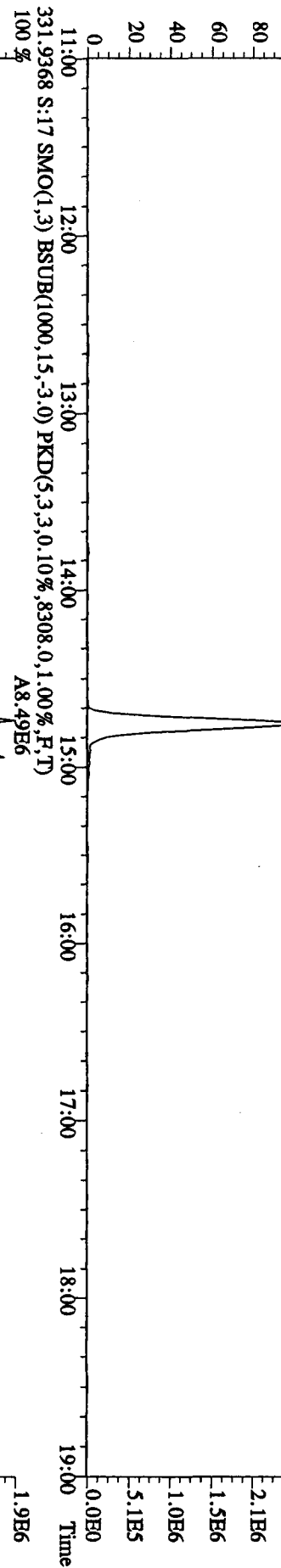
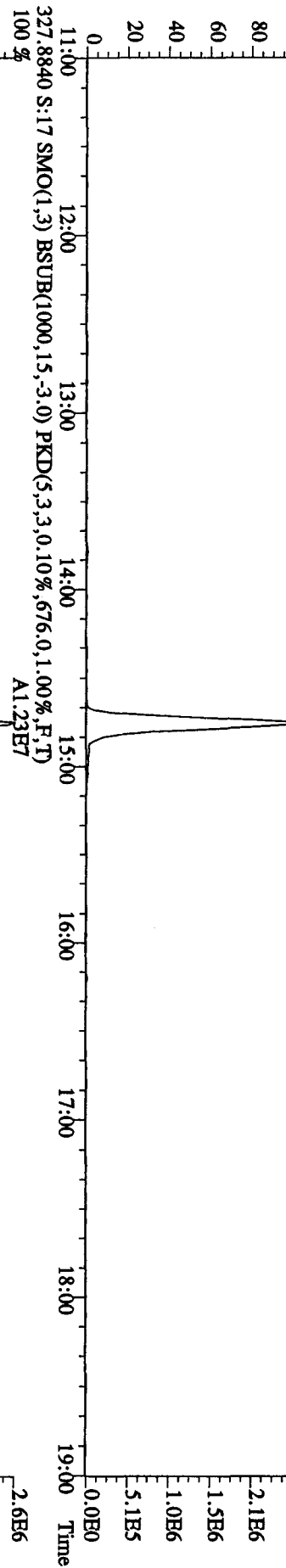
File:01MAY10ASD2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SE
 Sample#17 Text:LXOPR-1-AF :GOD140543-10S Exp:DB225RES
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3544,0,1,00%,F,T)
 100 %



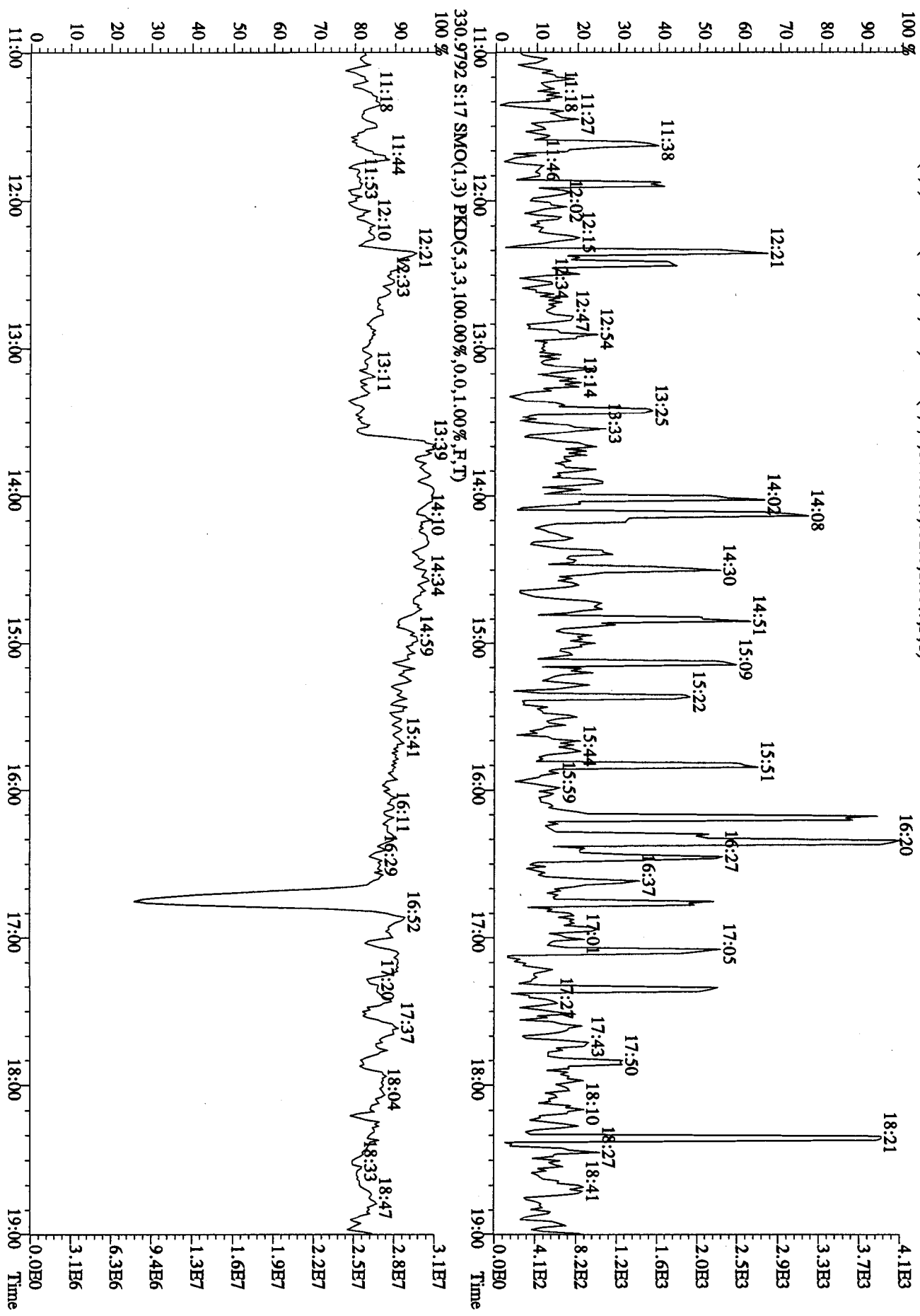
File:01NMY10A5D2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SB
 Sample#17 Text:LX0PR-1-AF :G0D140543-10S Exp:DB225RBS
 319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.3252,0,1,00%,F,T)
 100 % A3.57E6



File:01MITY10A5D2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SE
 Sample#17 Text:LXOPR-1-AF :GOD140543-10S Exp:DB225RES
 327.8840 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,676,0,1,00%,F,T)
 100% A1.23E7



File: 01MAY10ASD2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SE
 Sample#17 Text:LX0PR-1-AF :G0D140543-10S Exp:DB225RBS
 375.8364 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,732.0,1.00%,F,T)



Run text: LX0PR-1-AG Sample text: LX0PR-1-AG :G0D140543-10SD
 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 4-26-06

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>213 225</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 /

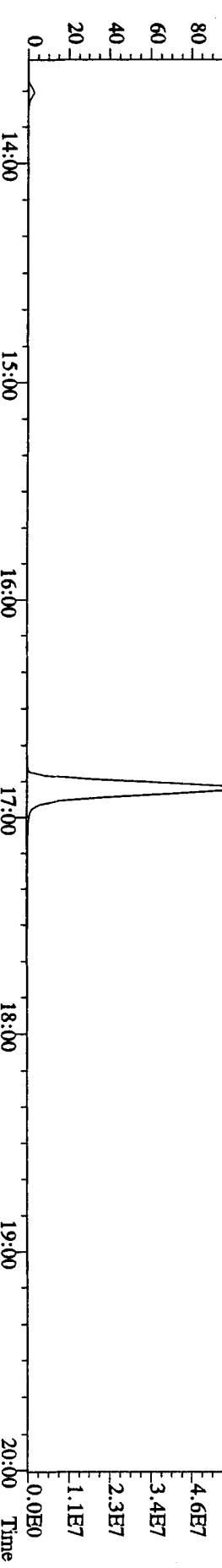
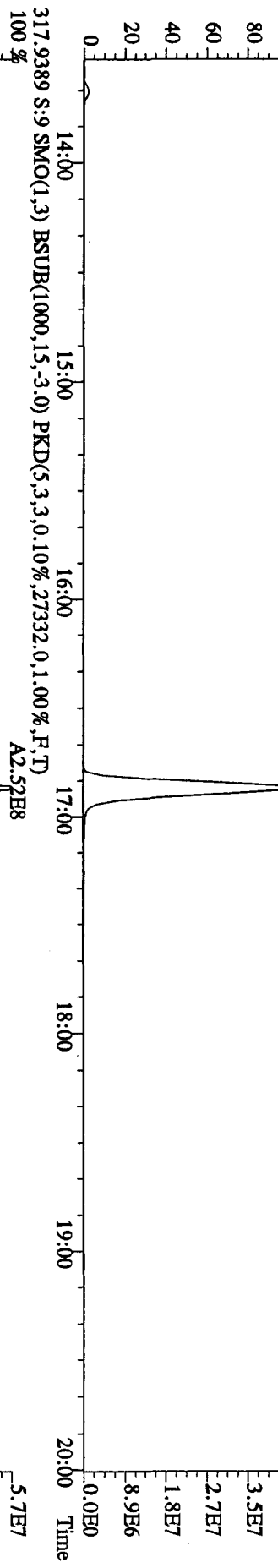
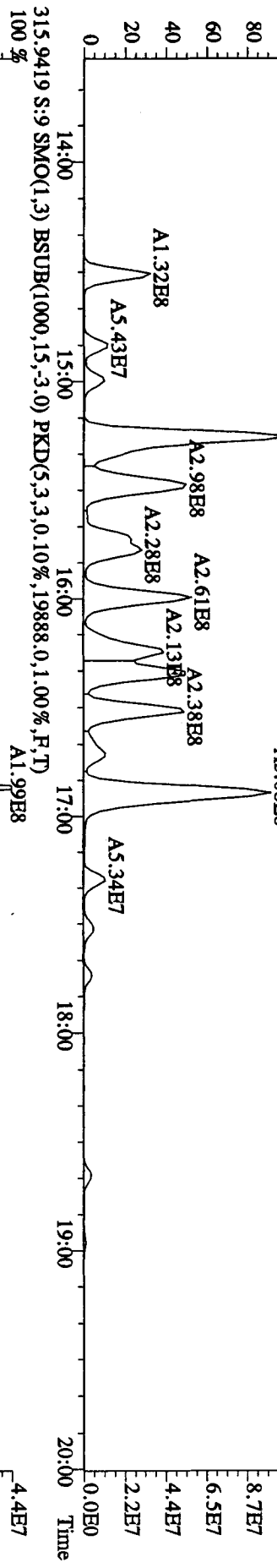
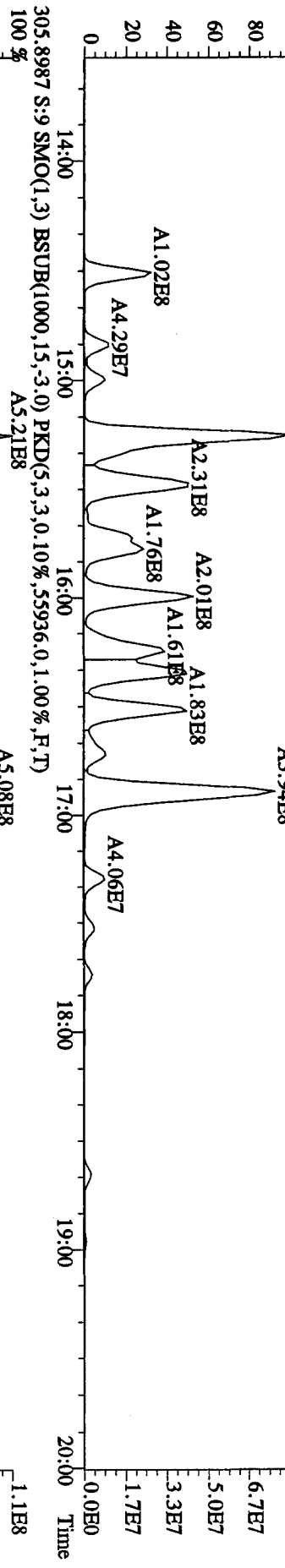
0.46

- n

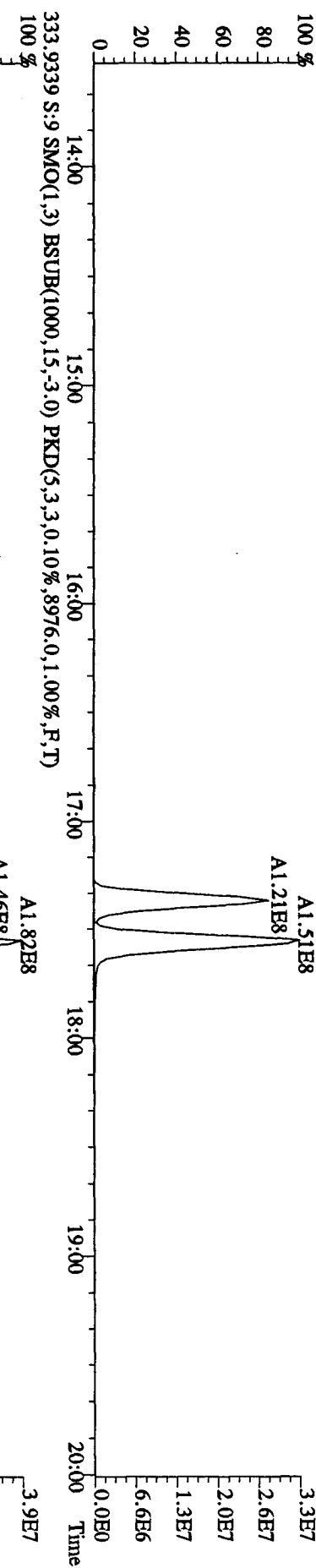
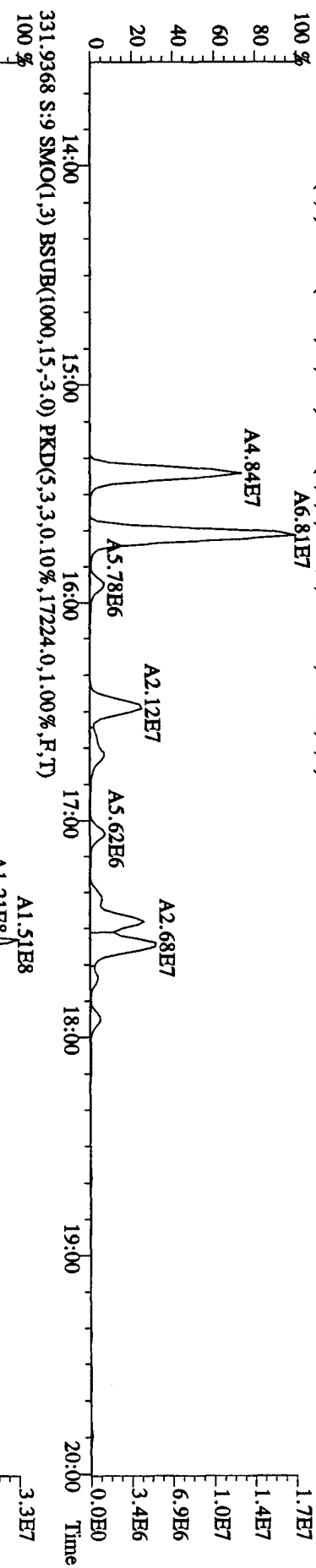
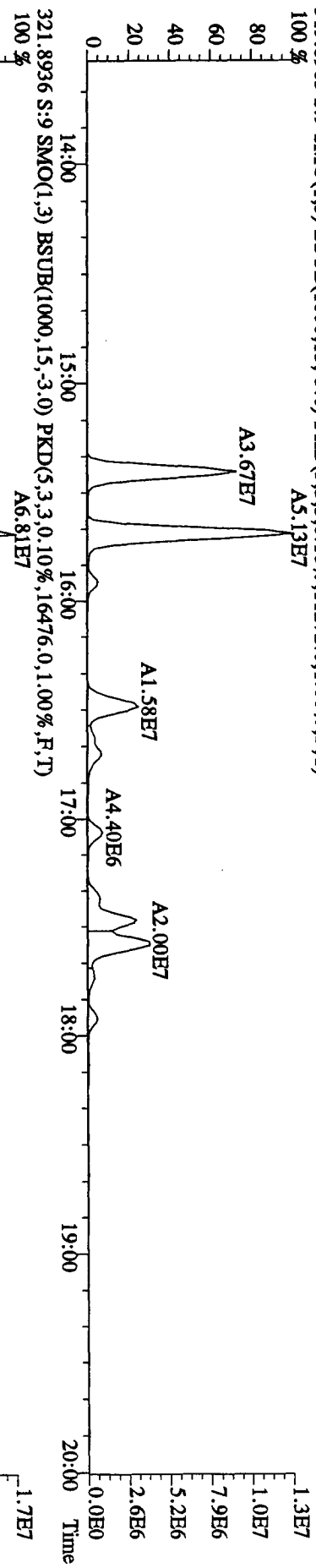
Run text: LX0PR-1-AG Sample text: LX0PR-1-AG :GOD140543-10SD
 Run #10 Filename: 29AP101D5 S: 9 I: 1 Results: 29AP101D58290
 Acquired: 29-APR-10 15:27:01 Processed: 29-APR-10 22:38:46
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.12 g

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

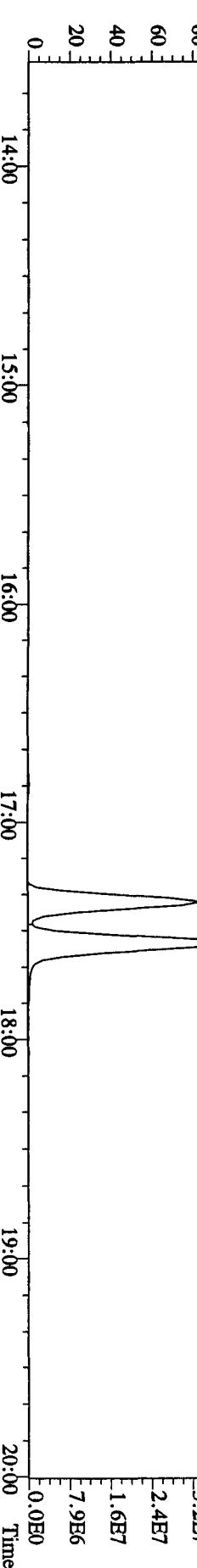
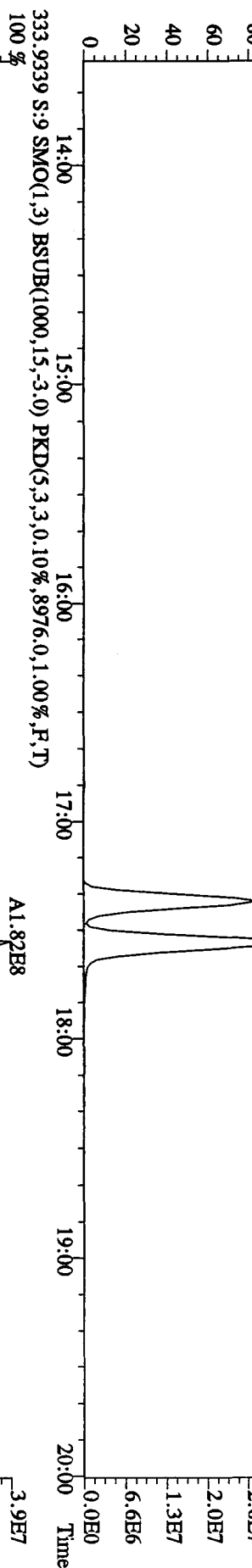
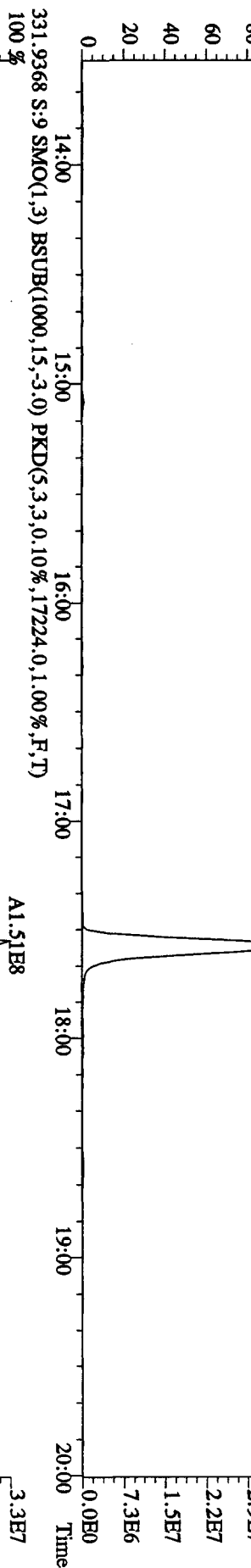
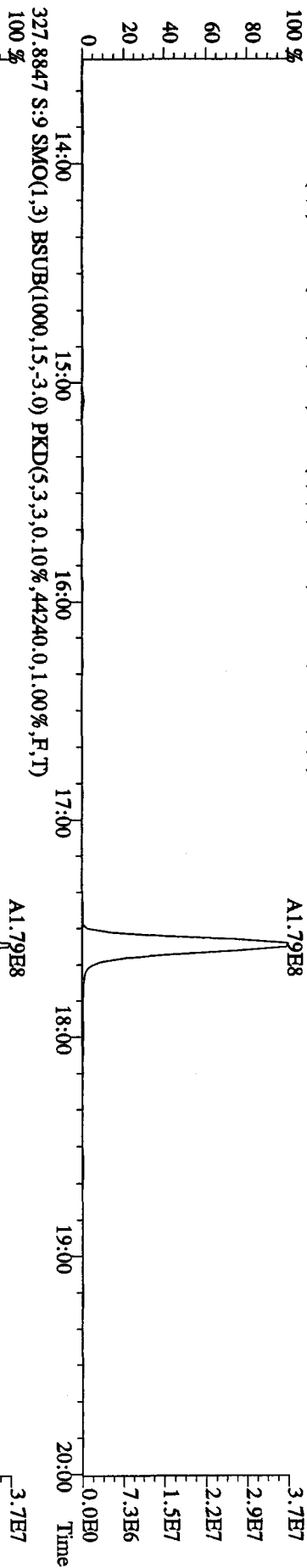
File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,44820,0,1.00%,F,T)



File:29AP10101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LX0PR-1-AG :G0D140543-10SD 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%



File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 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)
 100 %

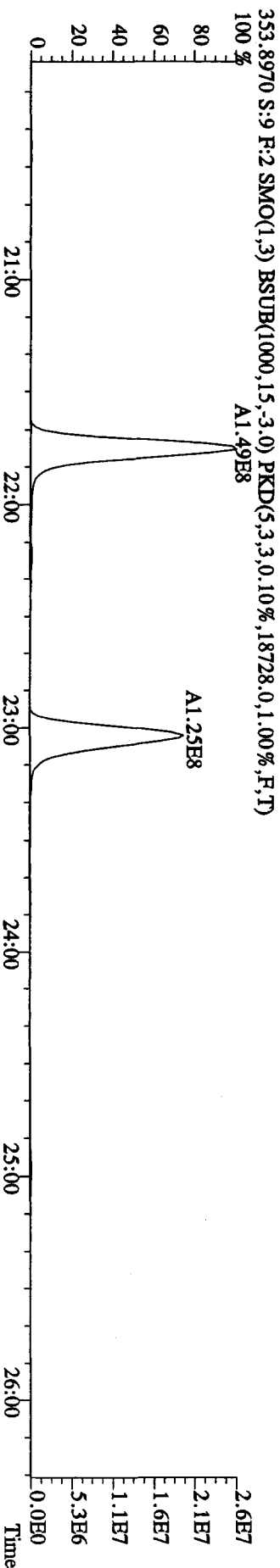
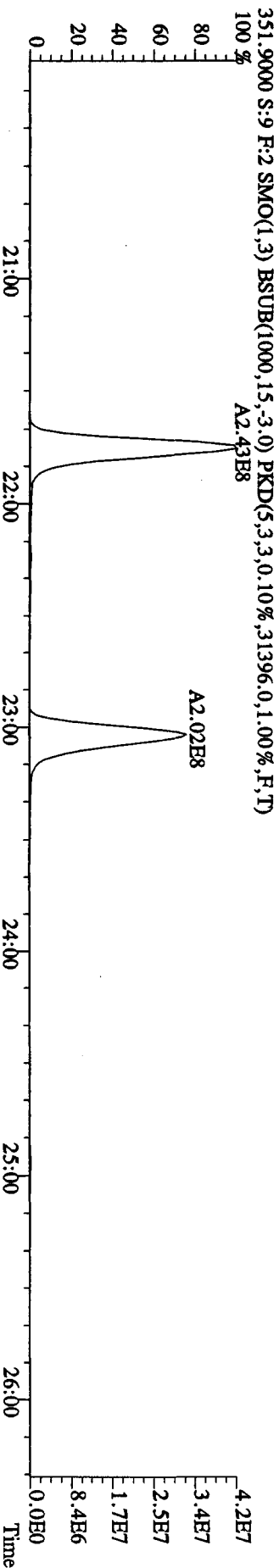
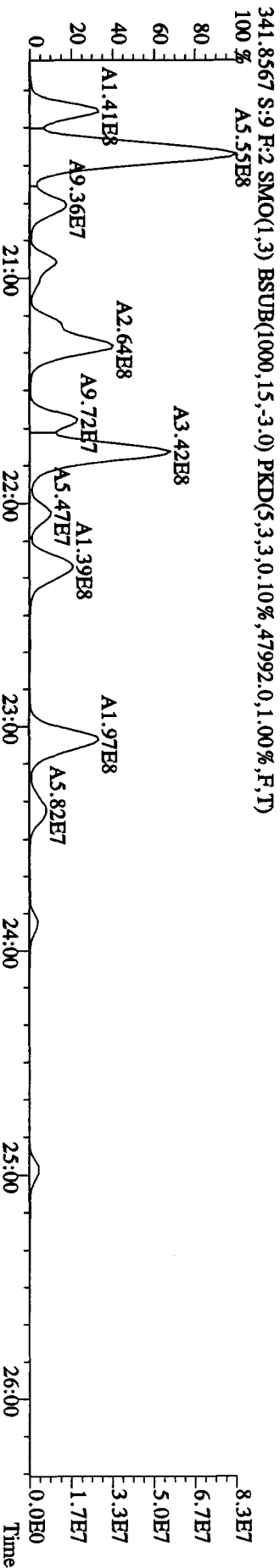
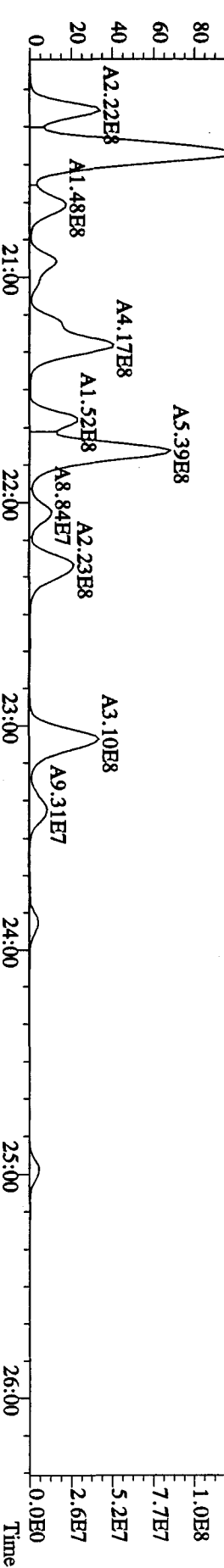


File:29API01ID5 #1-445 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE

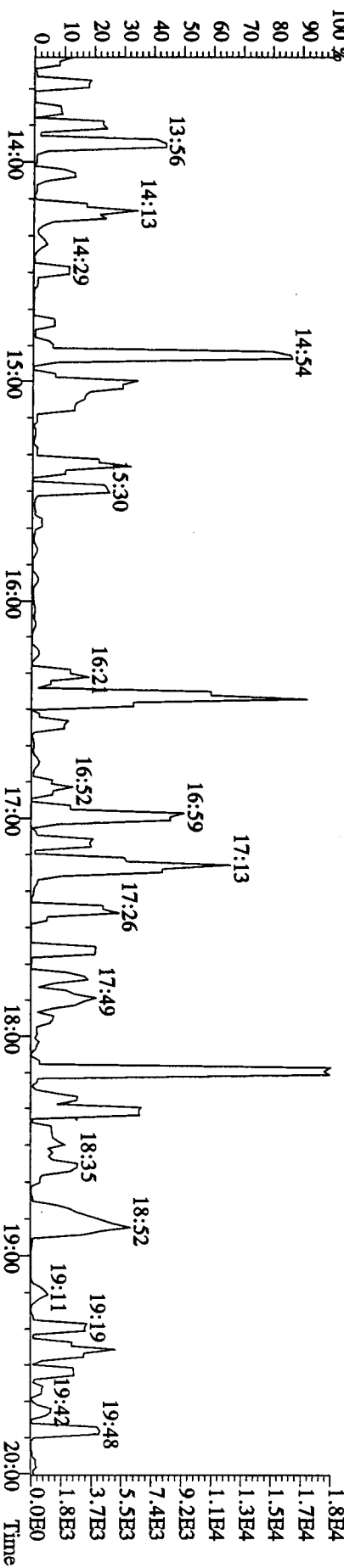
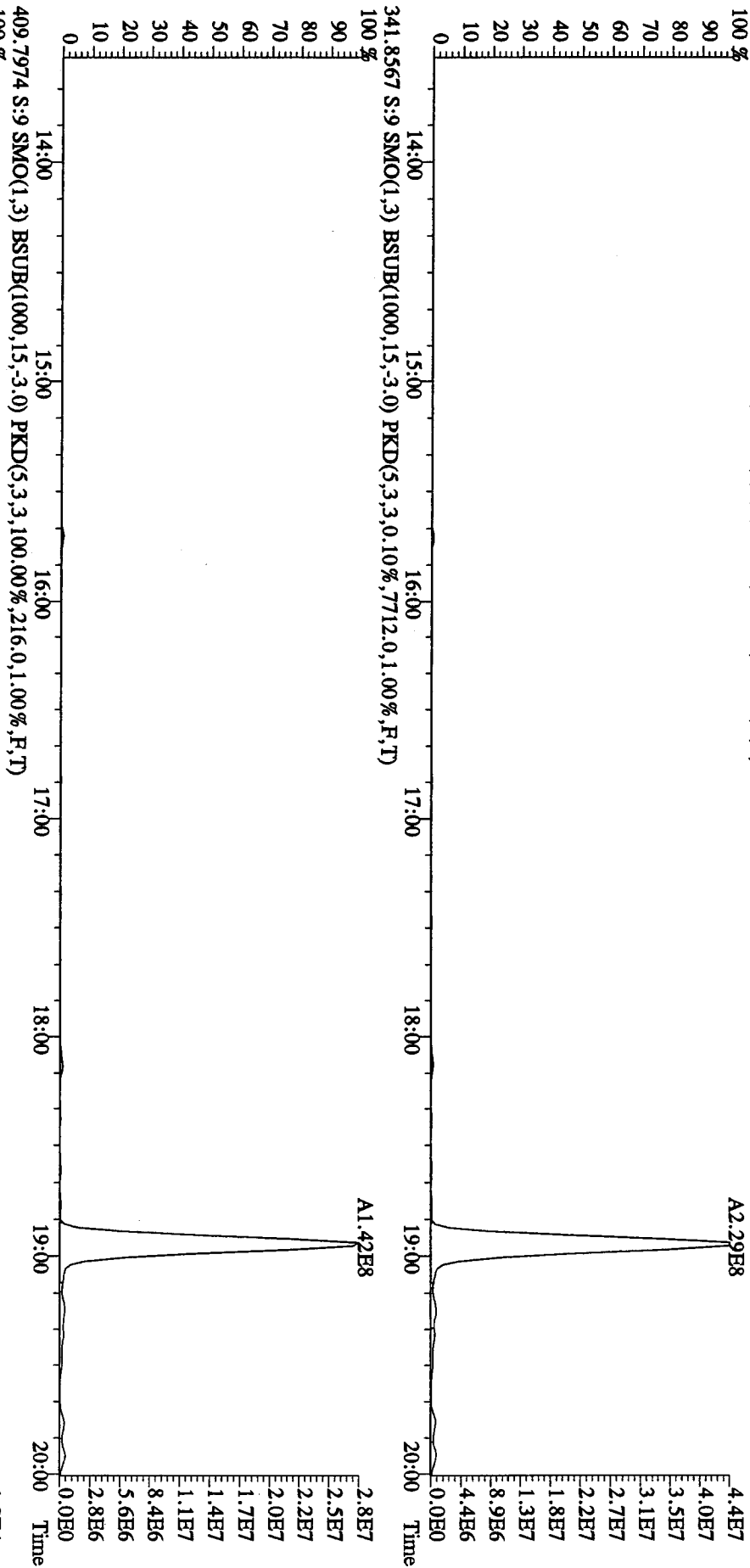
Exp:DIOXINES

Sample#9 Tex:LX0PR-1-AG :G0D140543-10SD

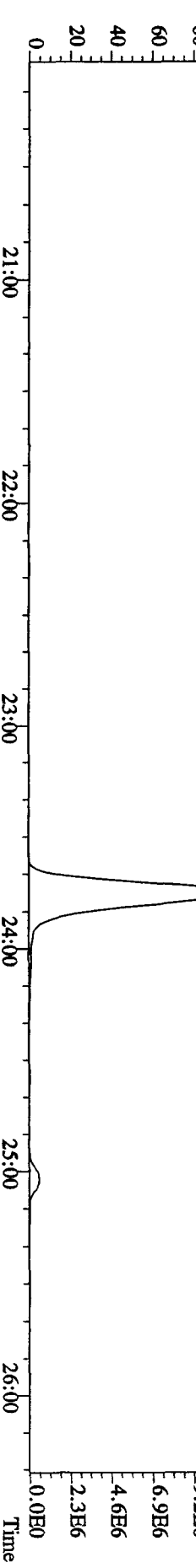
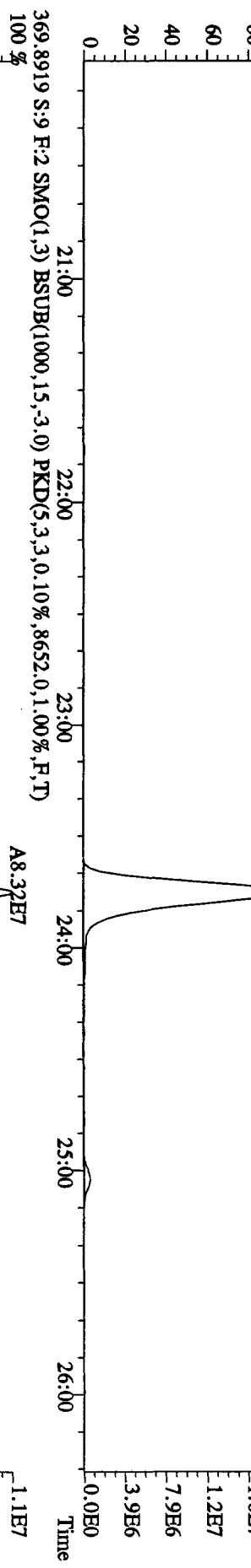
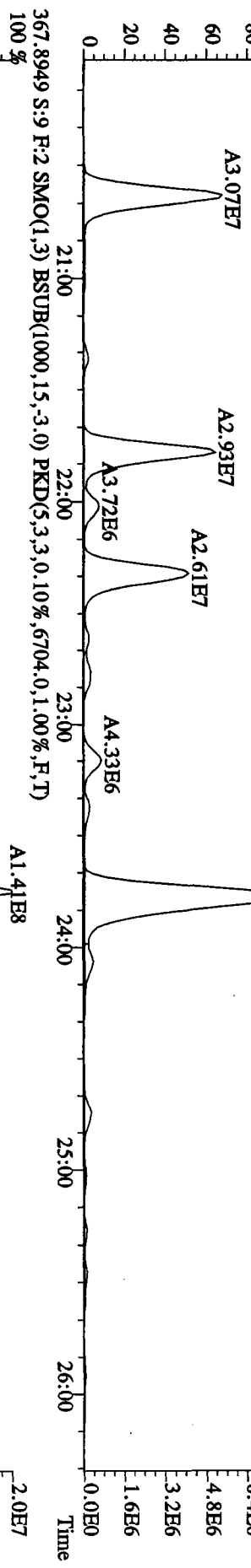
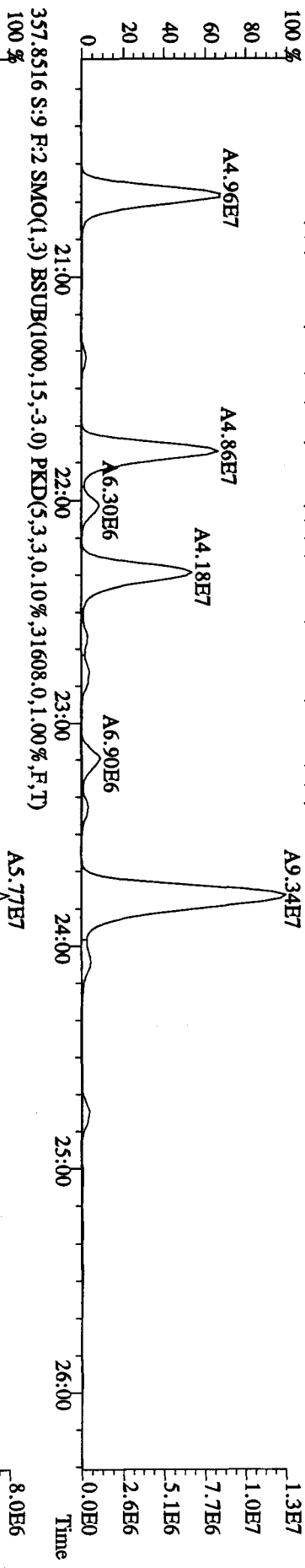
339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,62572.0,1.00%,F,T)



File:29AP1010D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LX0PR-1-AG :GOD140543-10SD 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)



File:29AP101D5 #1-445 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :G0D140543-10SD Exp:DIOXINRES
 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)
 100 %

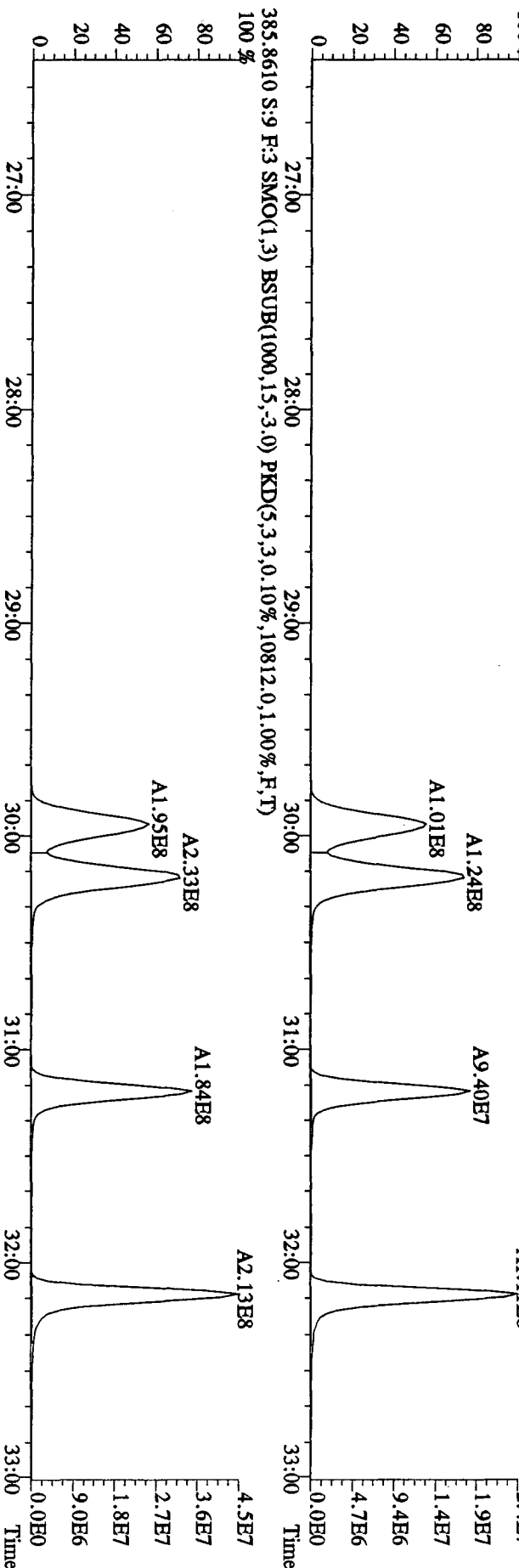
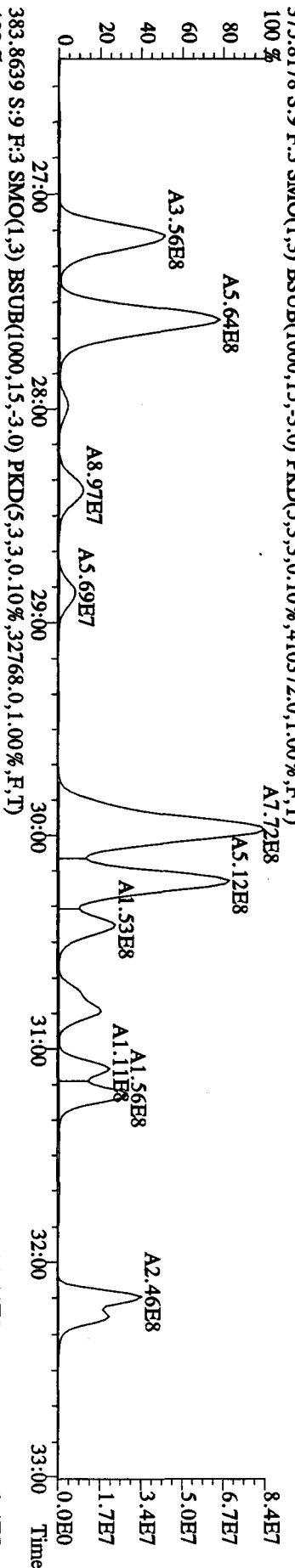
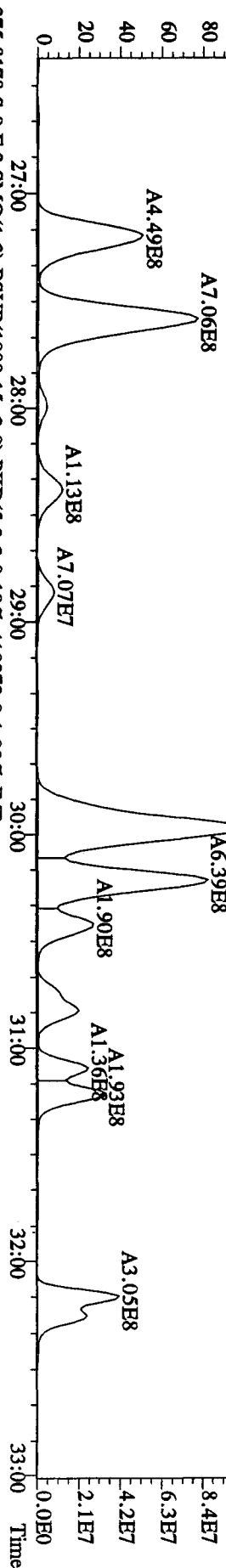


File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE

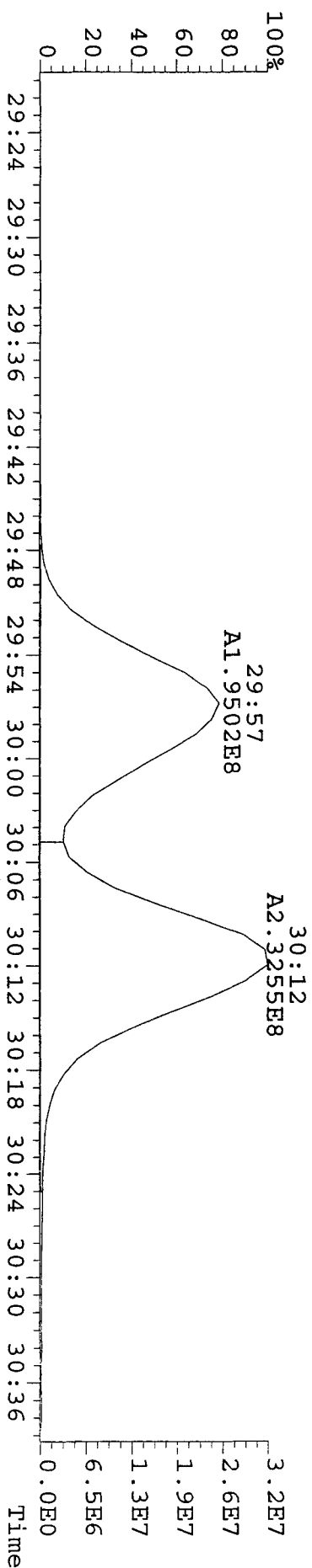
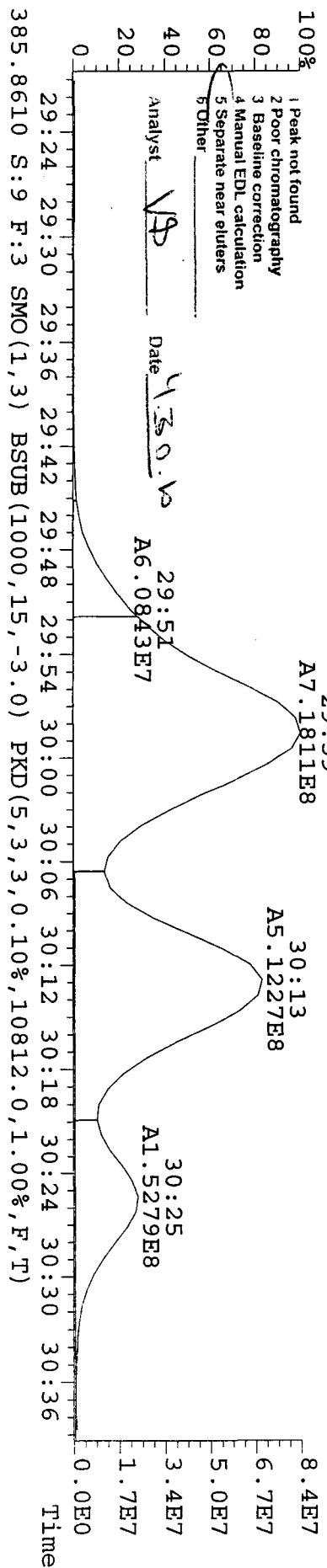
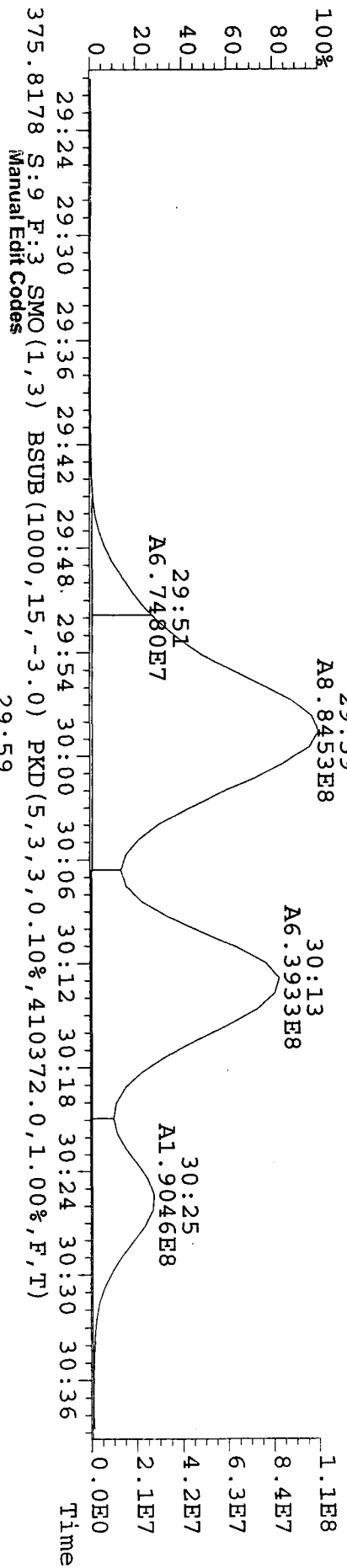
Exp:DIOXINRES

Sample#9 Text:LXOPR-1-AG :GOD140543-10SD

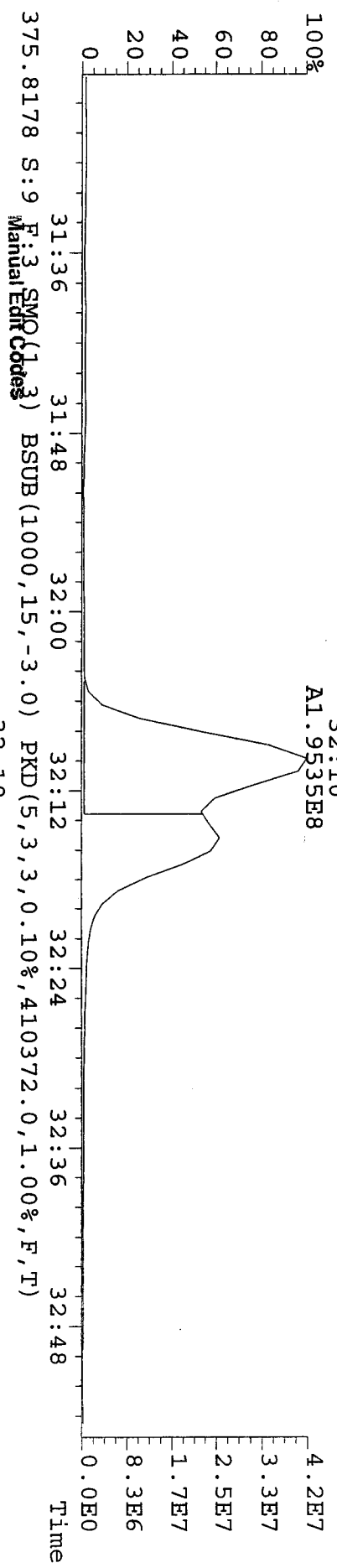
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,676604,0,1,00%,F,T)



File: 29AP101D5 #1-447 Acq: 29-APR-2010 15:27:01 GC FI+ Voltage SIR 70SE
 Sample#9 Text: LX0PR-1-AG :G0D140543-10 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)



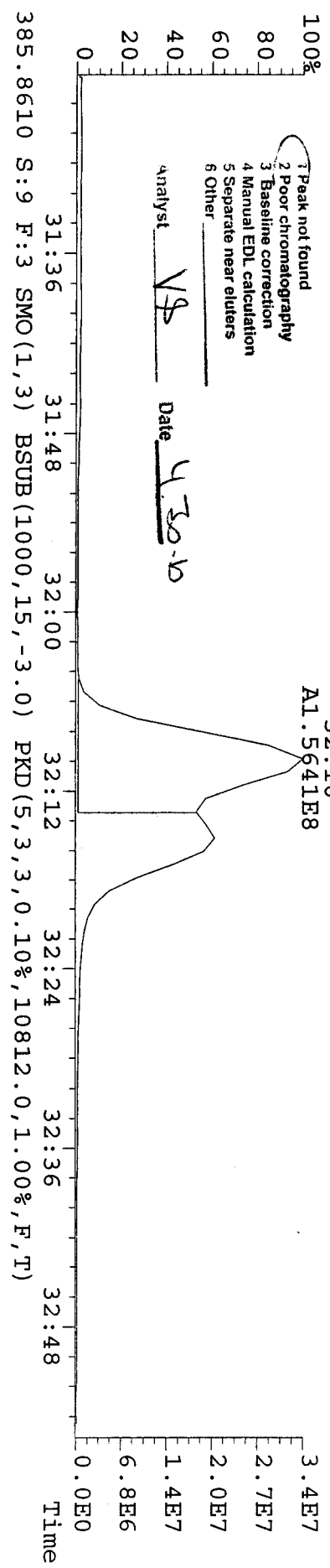
File: 29API01D5 #1-447 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LX0PR-1-AG : GOD140543-10 Exp: DIOXINRES
 373.8208 S: 9 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676604.0,1.00%,F,T)



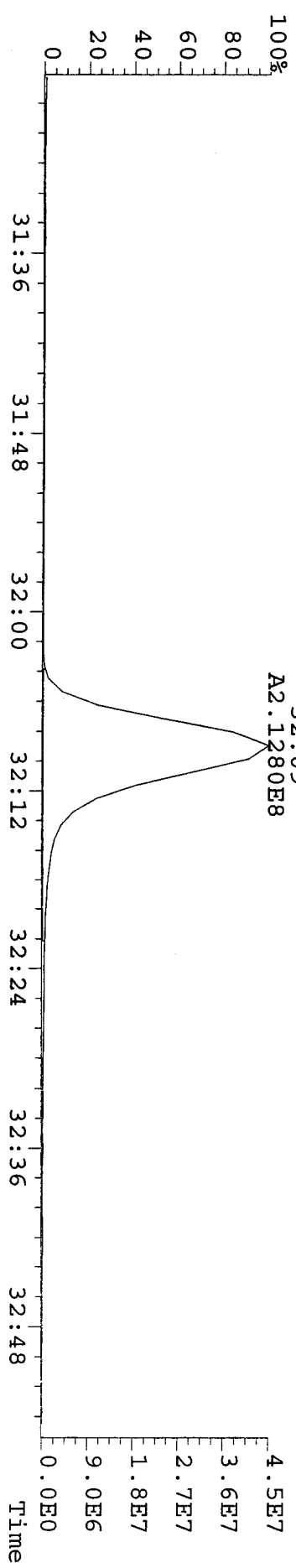
375.8178 S: 9 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,410372.0,1.00%,F,T)
 Manual Edit Codes

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

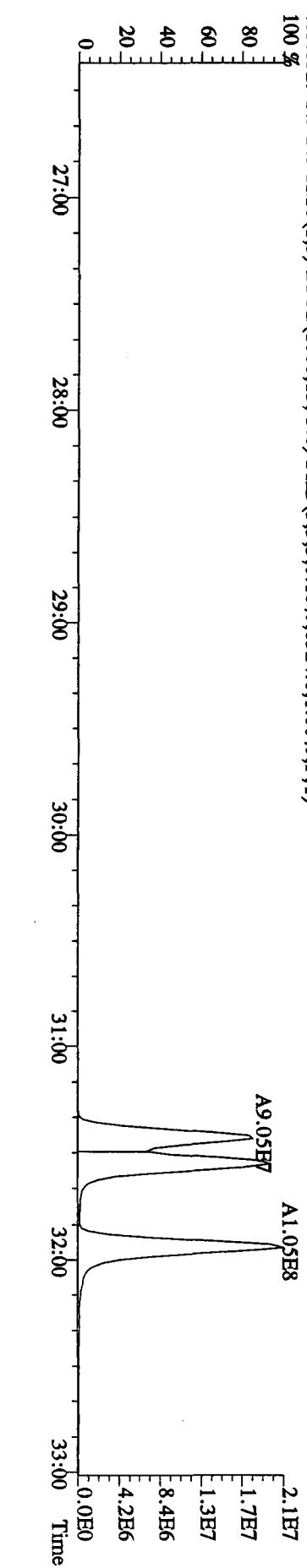
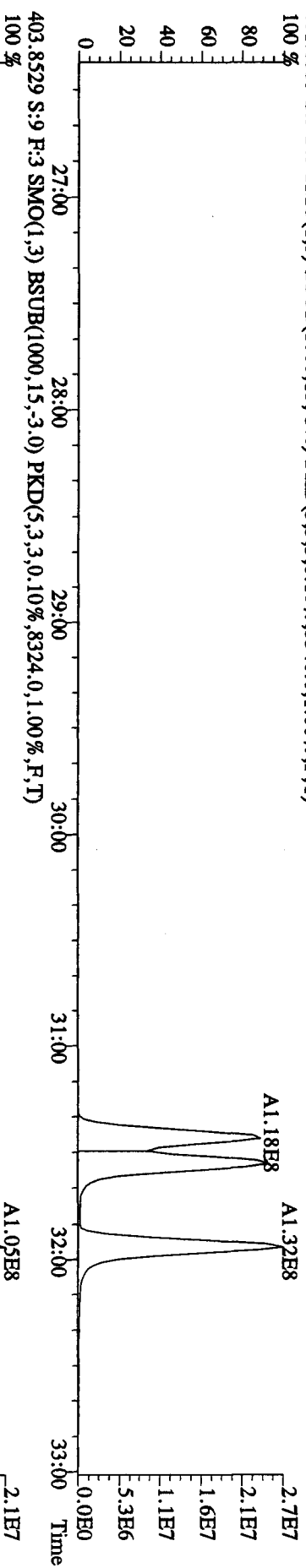
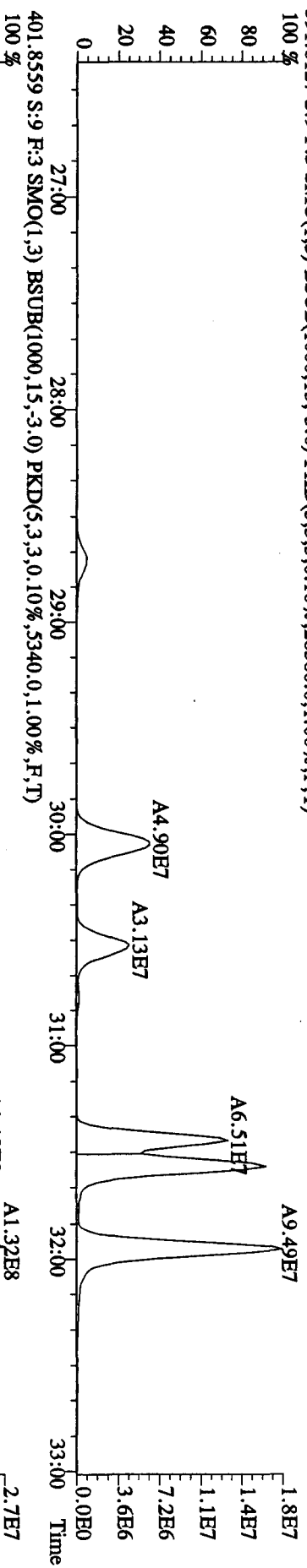
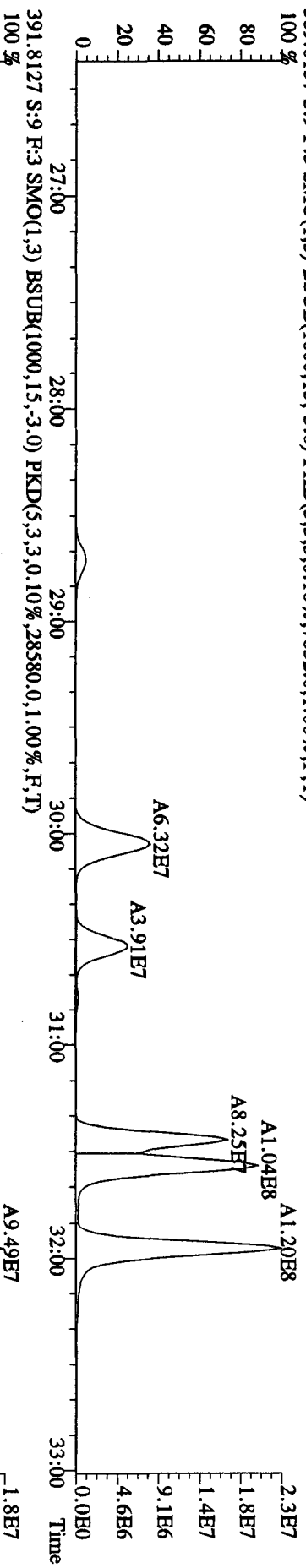
Analyst VP Date 4-30-10



385.8610 S: 9 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10812.0,1.00%,F,T)



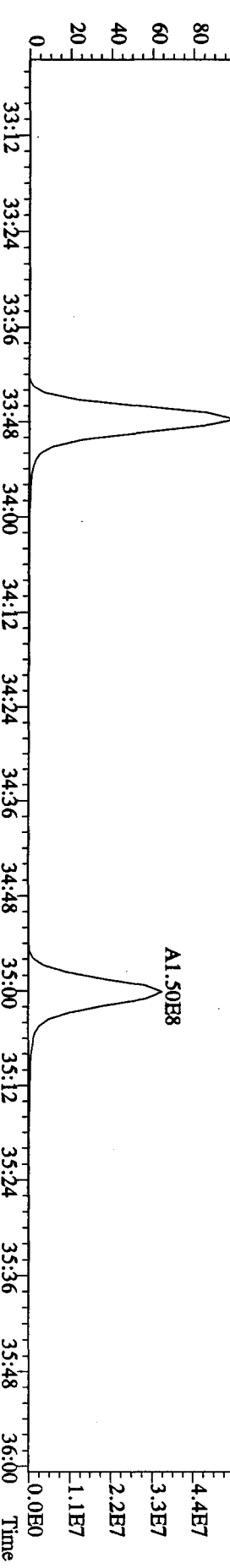
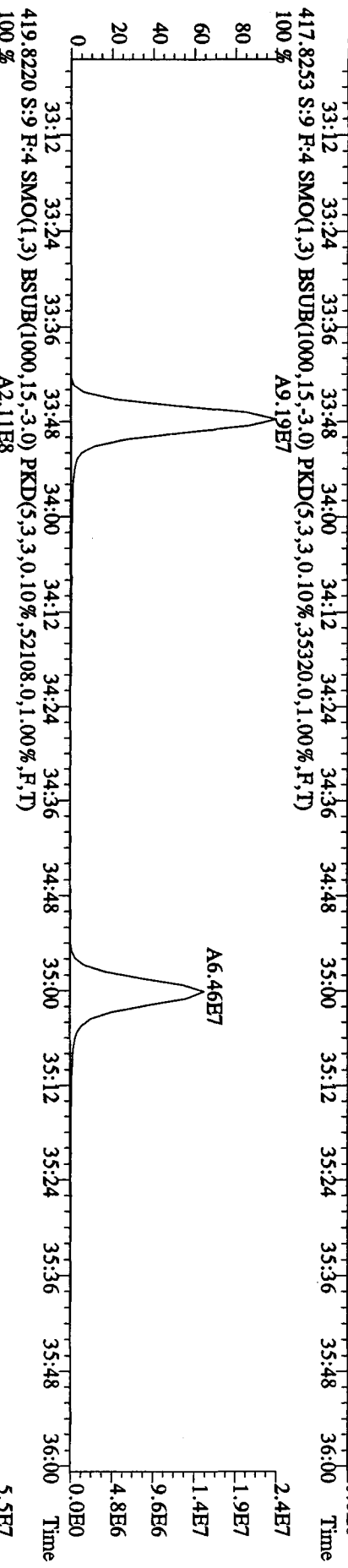
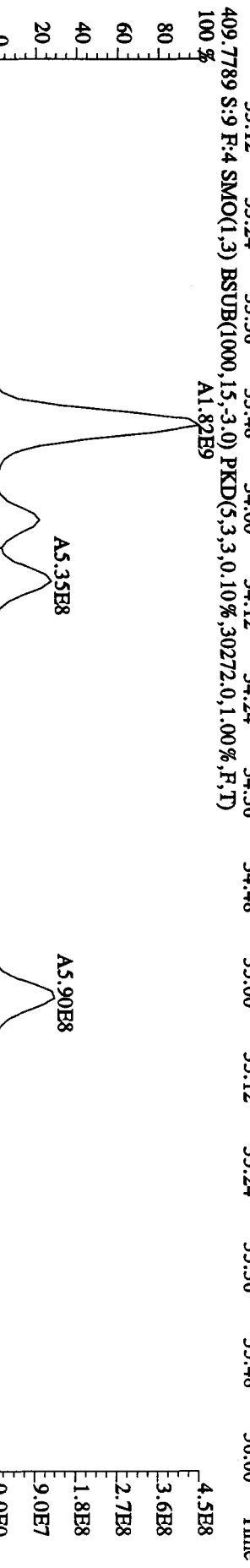
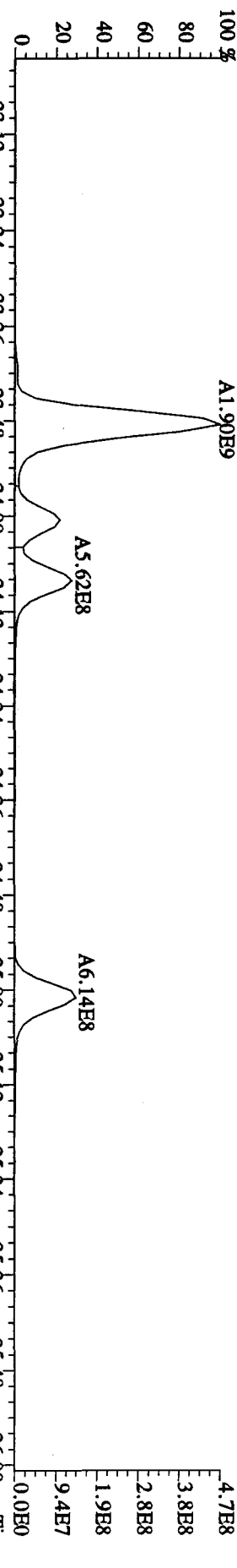
File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 389.8157 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7032.0,1.00%,F,T)



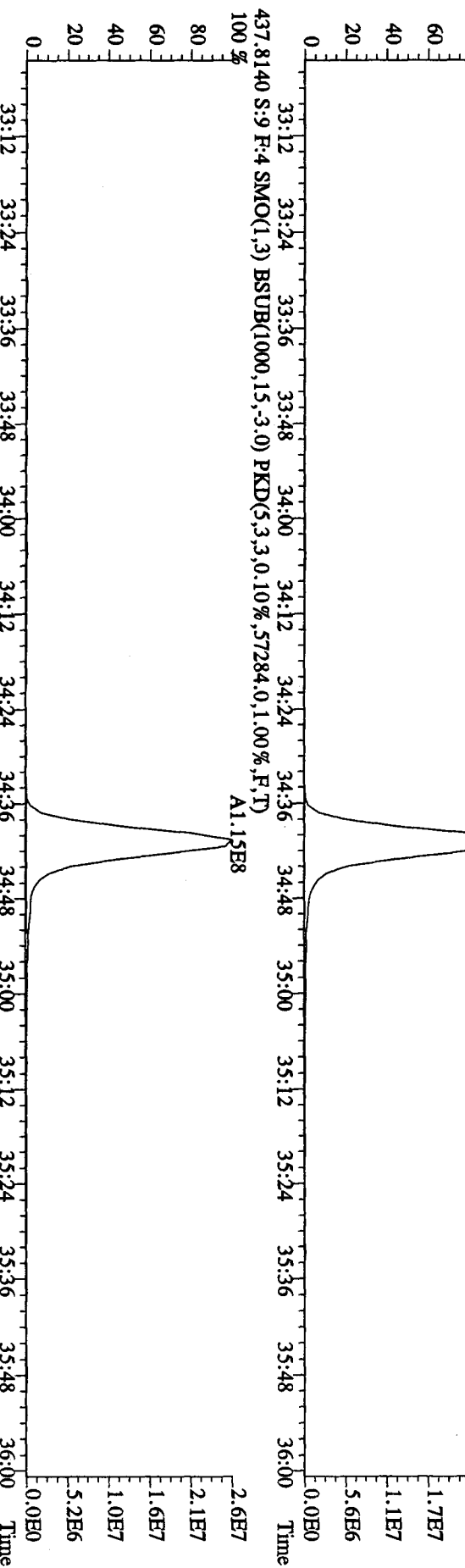
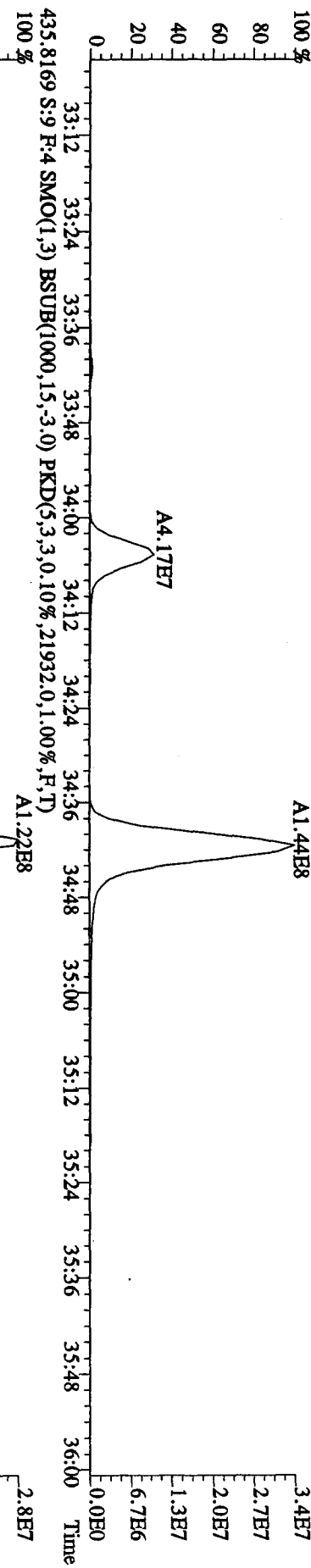
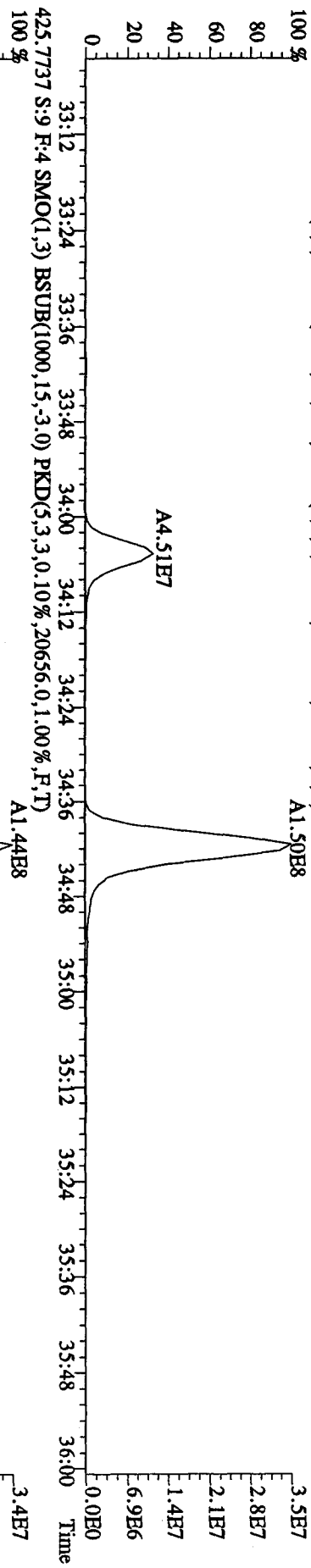
File:29AP101D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE

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

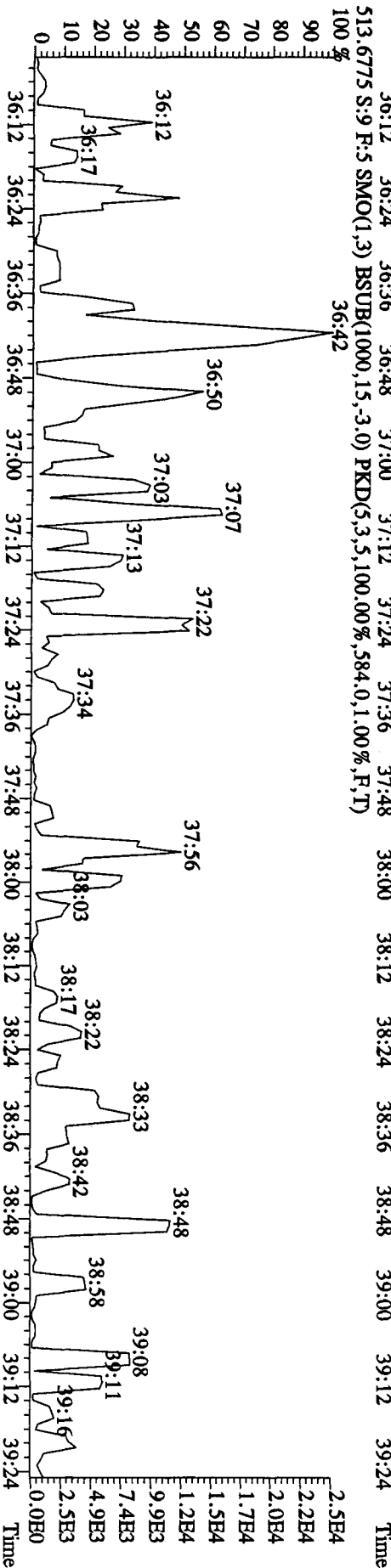
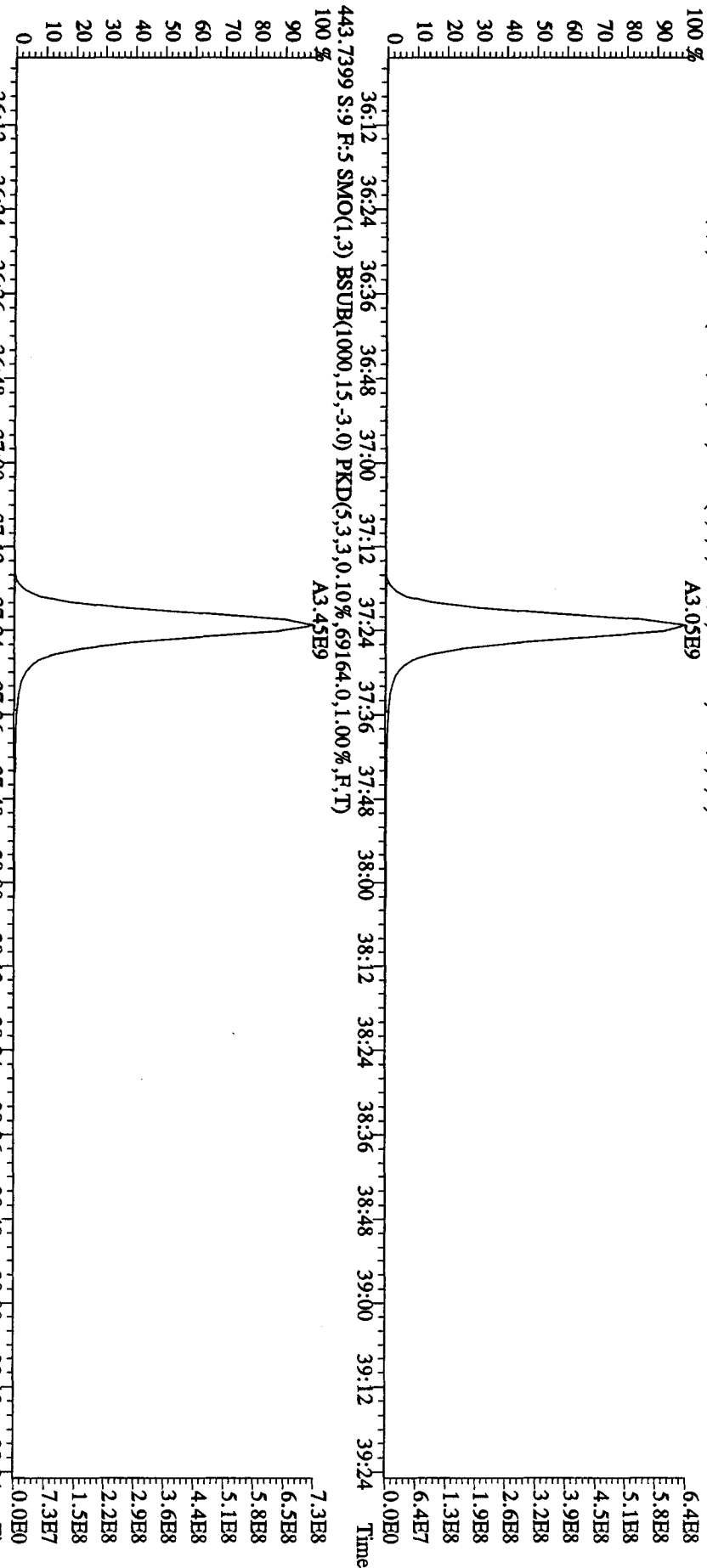
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32492.0,1.00%,F,T)



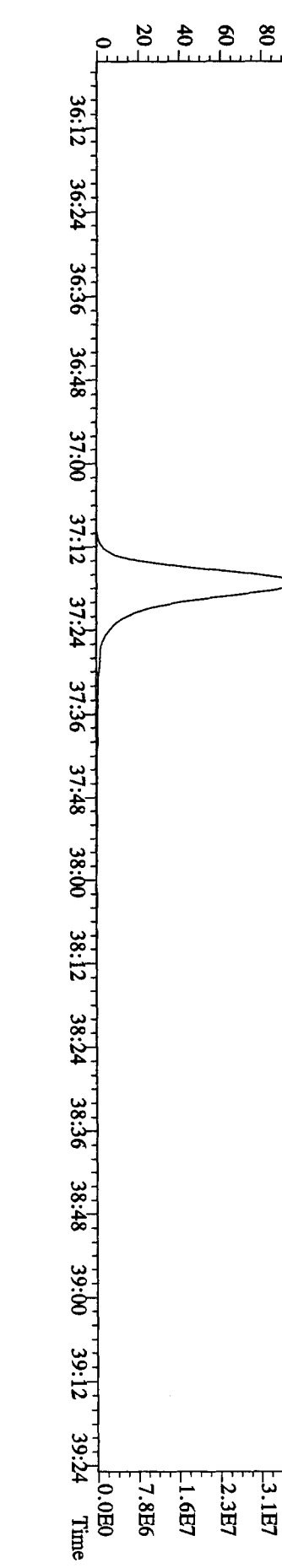
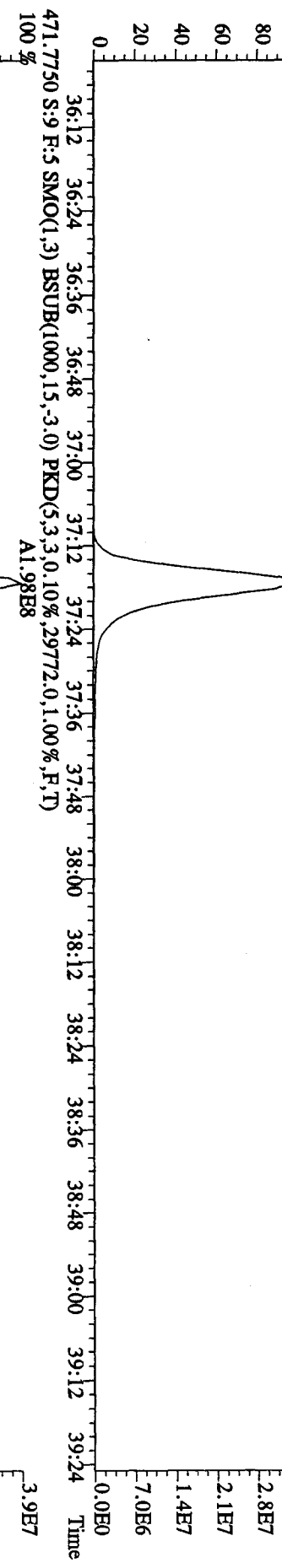
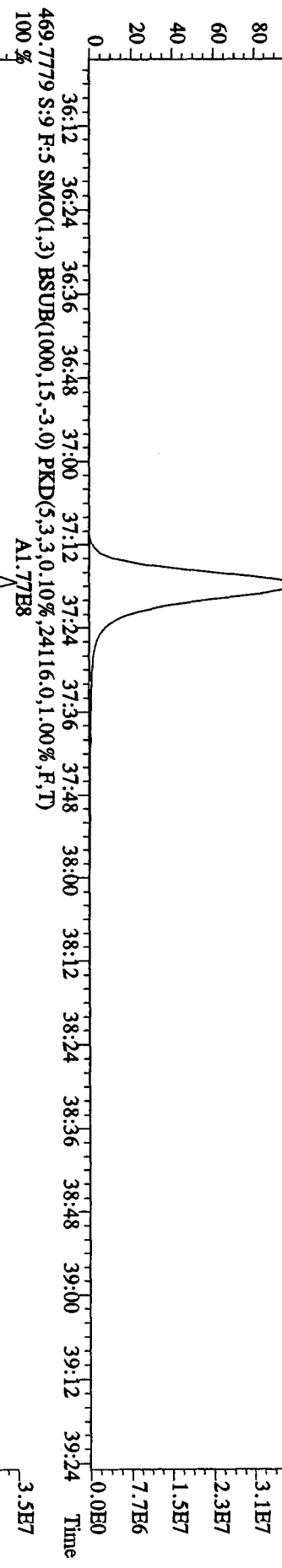
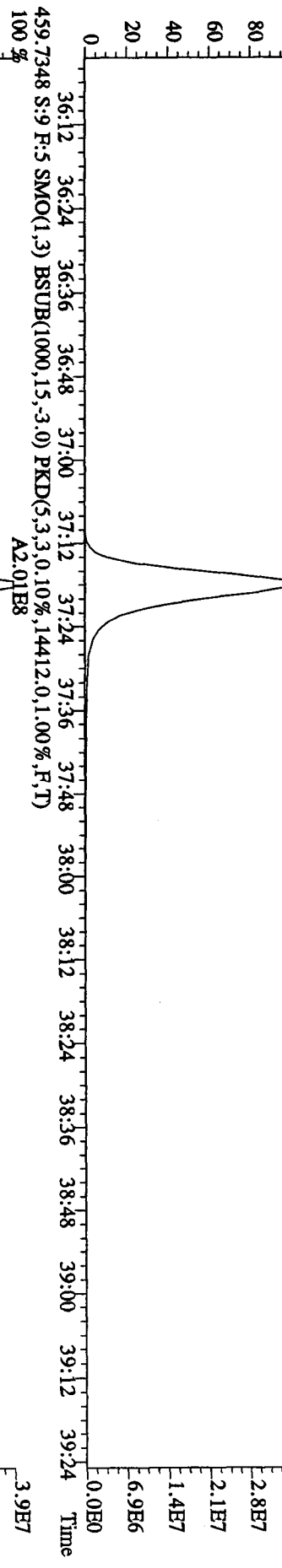
File:29AP1010D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LIXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 423.7766 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15096.0,1.00%,F,T)
 100 %

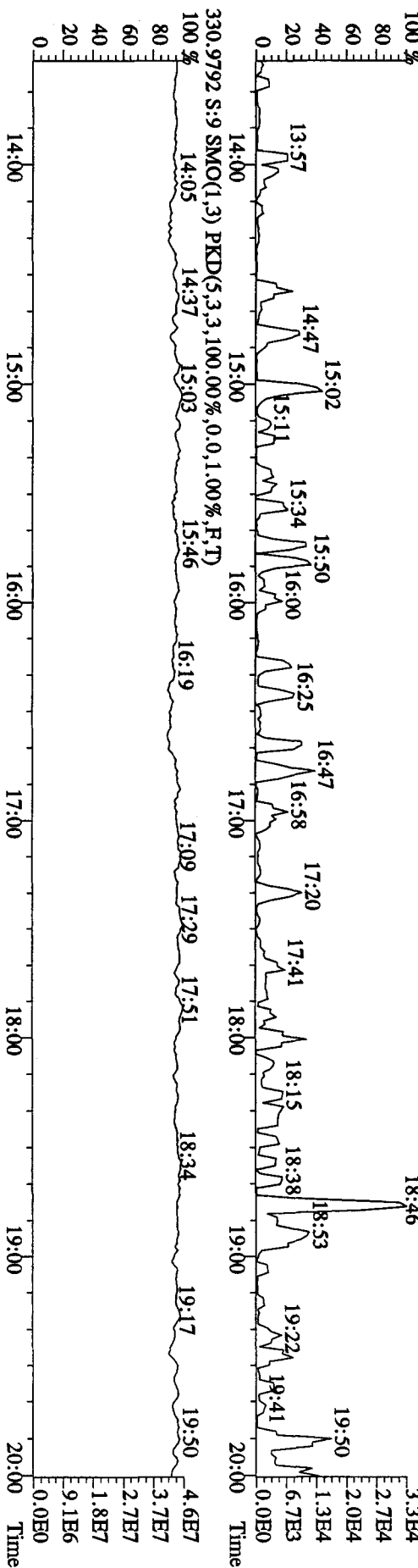
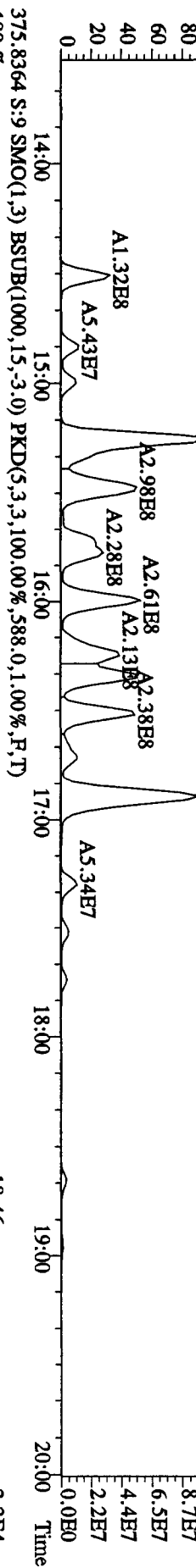
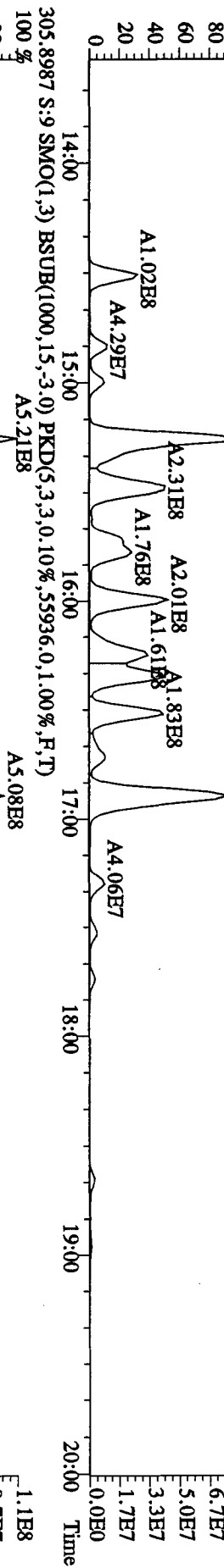
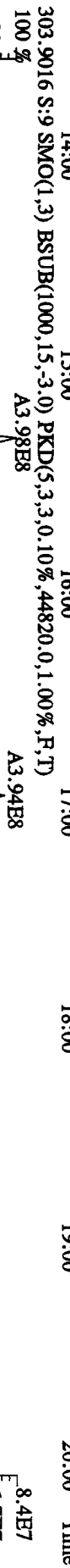
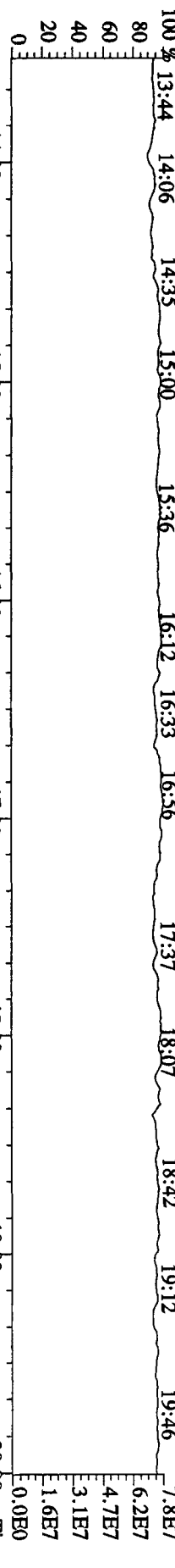


File:29AP101D5 #1-244 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :G0D140543-10SID Exp:DIOXINRES
 441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25012.0,1.00%,F,T)
 100%



File: 29AP101D5 #1-244 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LXPOR-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

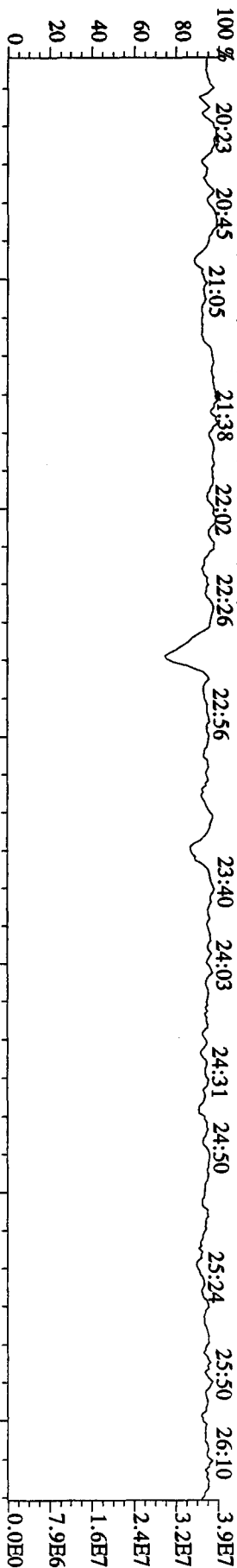




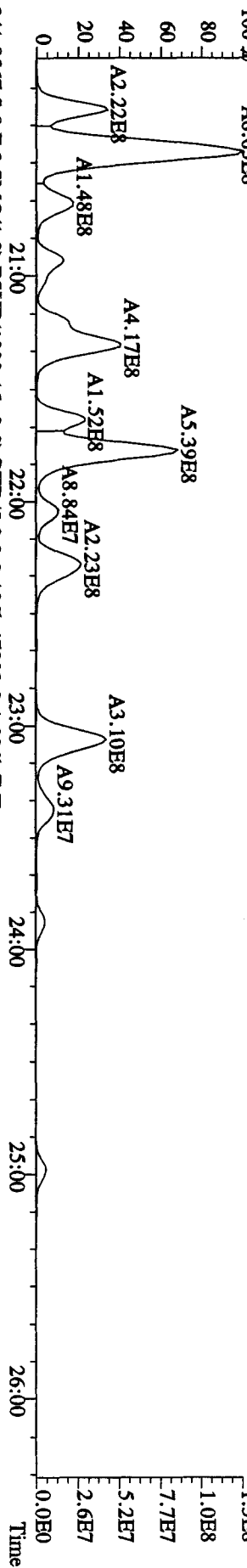
File: 29AP1010D5 #1-445 Acq: 29-APR-2010 15:27:01 GC HI+ Voltage SIR 70SE

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

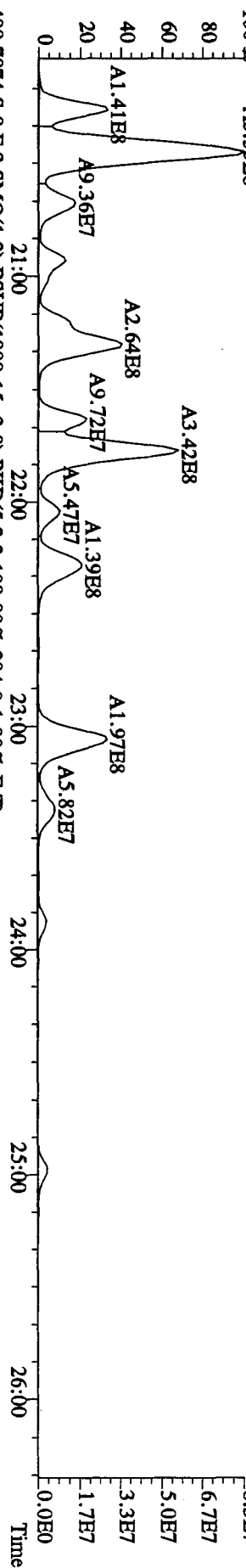
342.9792 S:9 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



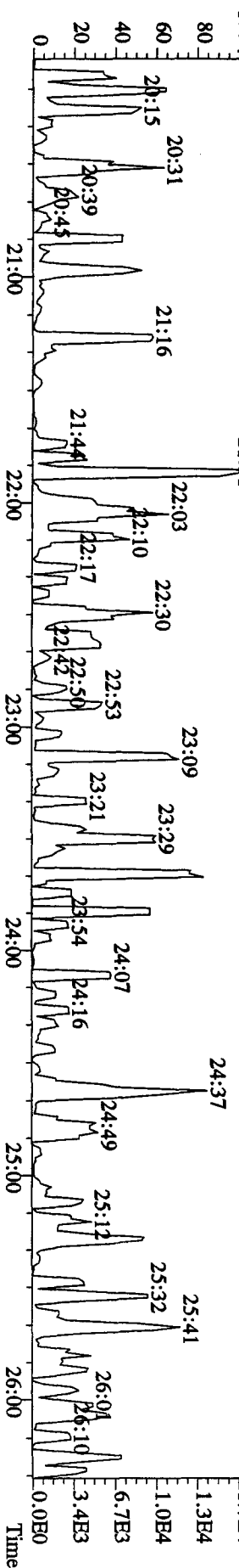
339.8597 S:9 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,62572.0,1.00%,F,T)



341.8567 S:9 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,47992.0,1.00%,F,T)



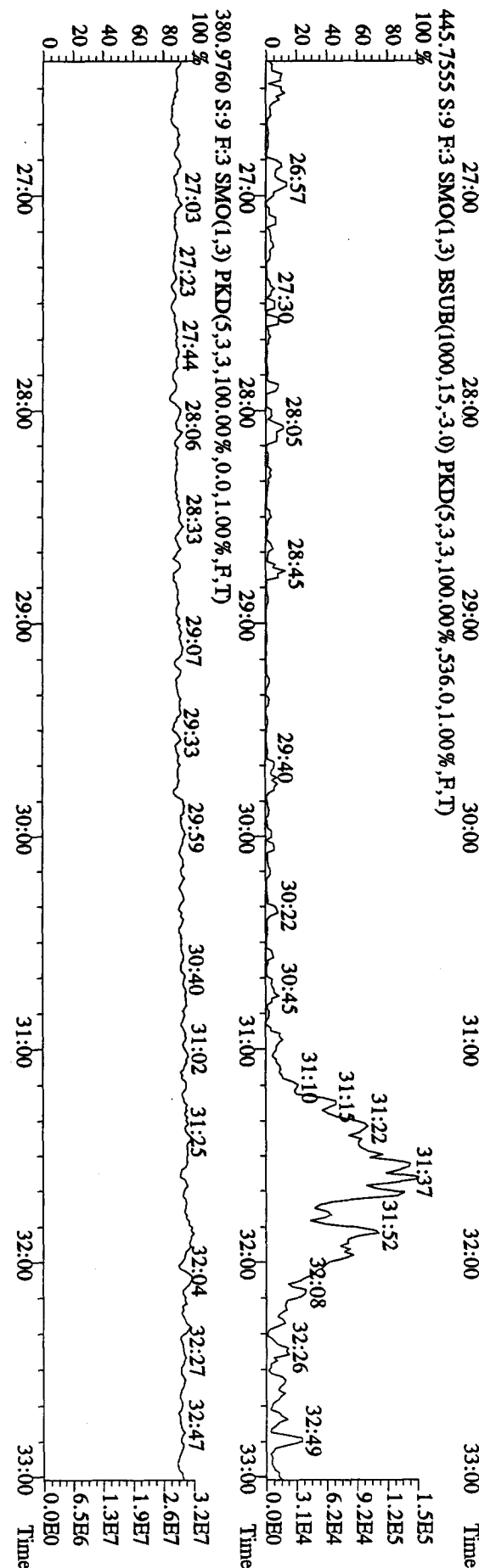
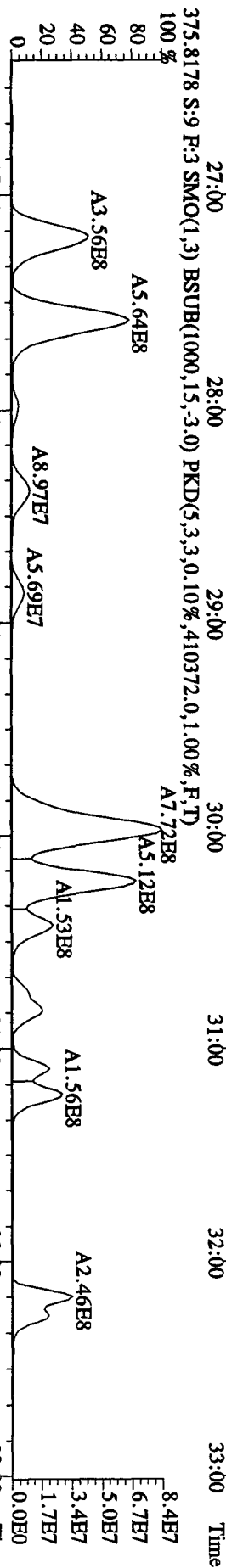
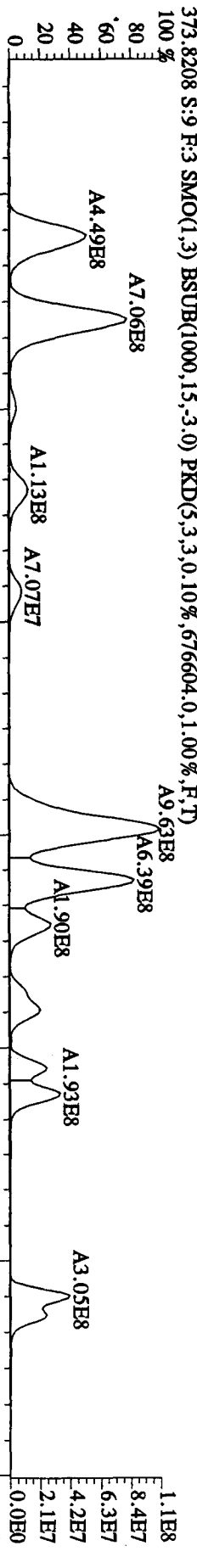
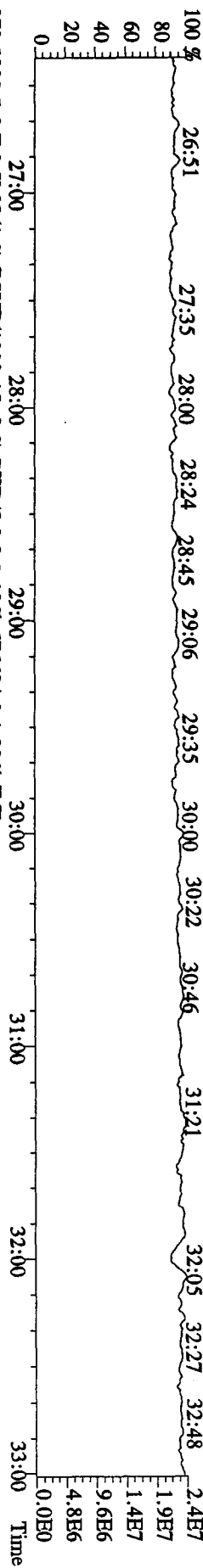
409.7974 S:9 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,284.0,1.00%,F,T)



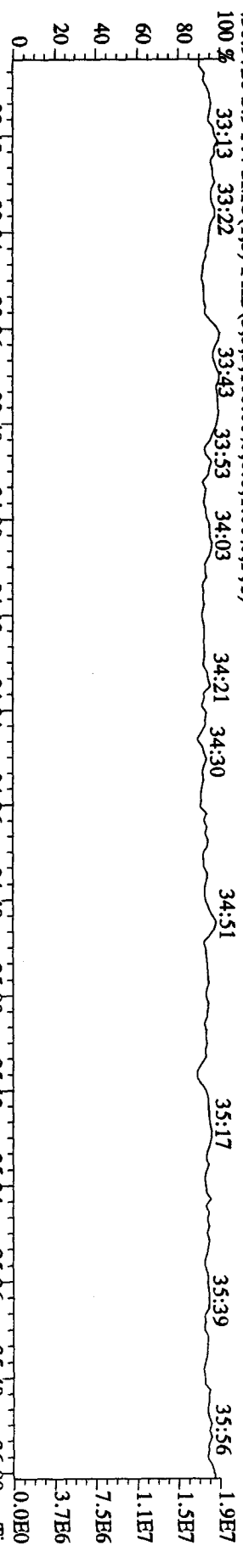
File: 29AP1010D5 #1-447 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SB

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

392.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



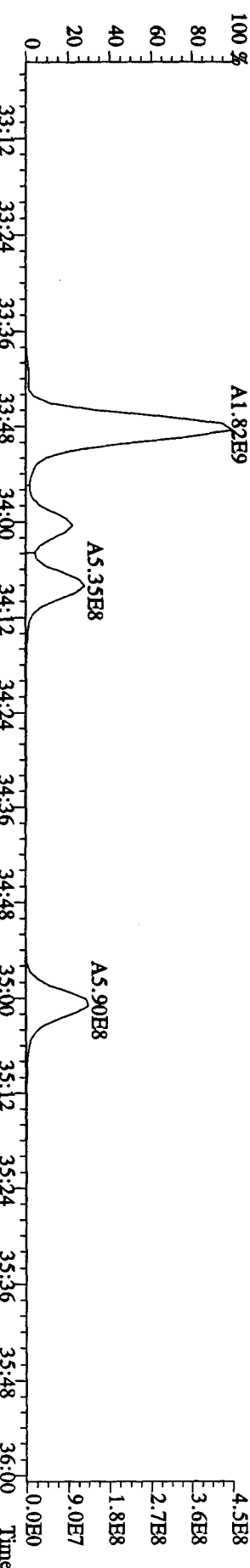
File:29AP1010D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :G0D140543-10SD Exp:DIOXINRES
 430.9728 S:9 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 33:13 33:22 33:43 33:53 34:03 34:21 34:30 34:51 35:17 35:39 35:56



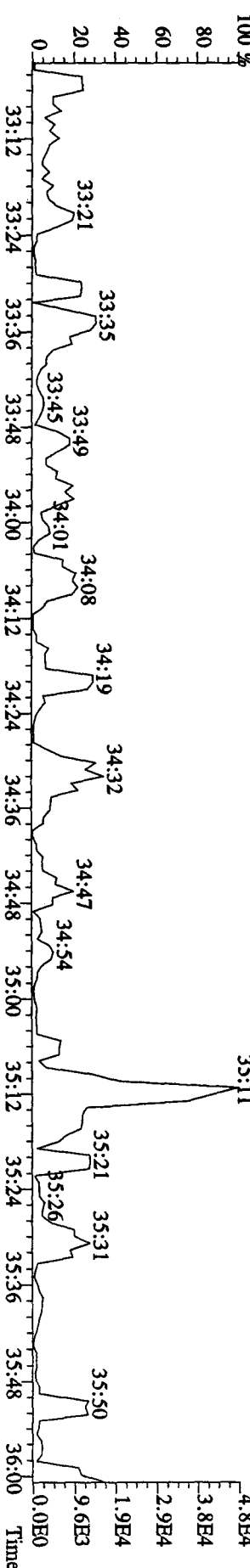
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32492.0,1.00%,F,T)
 A1.90E9



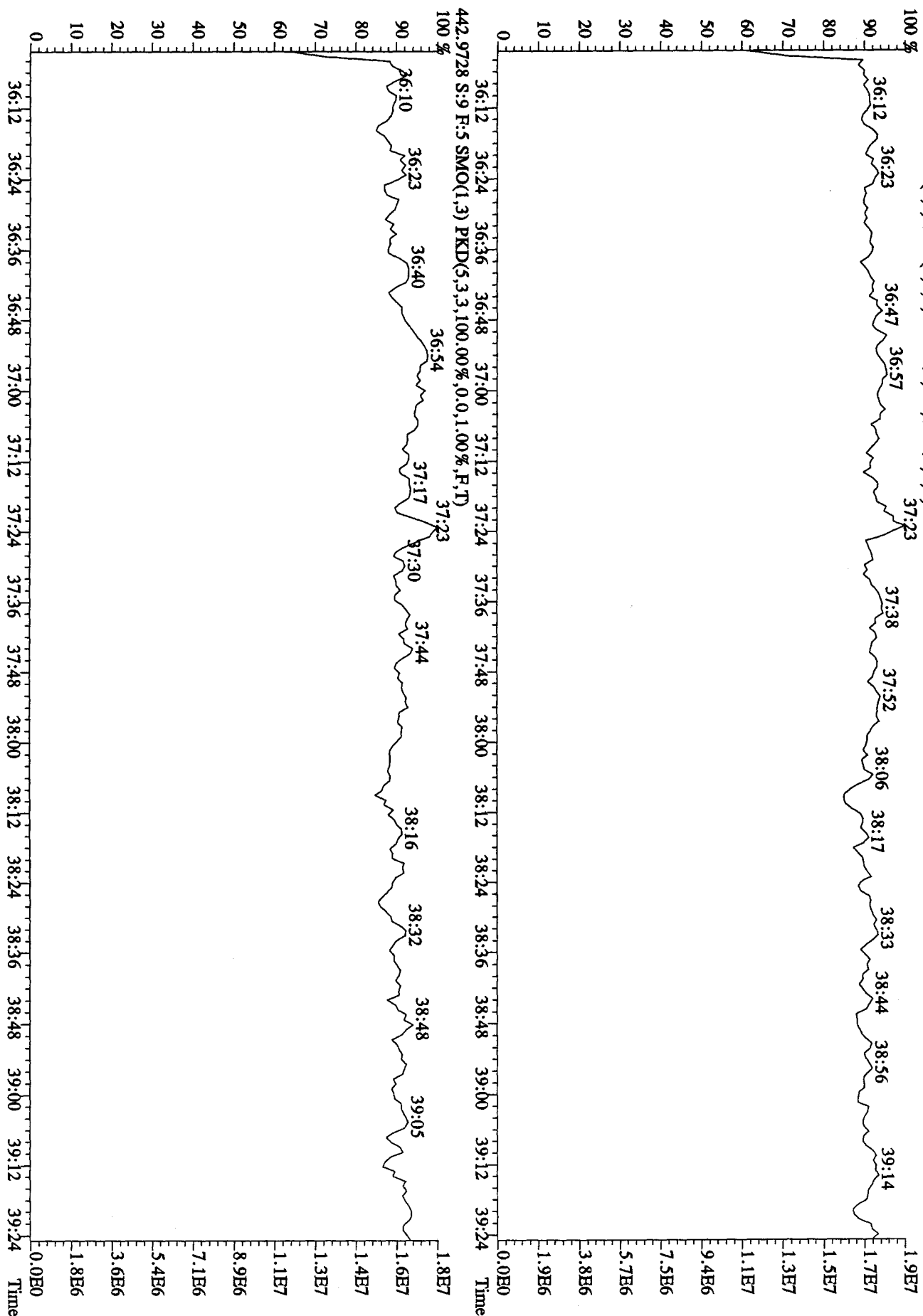
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30272.0,1.00%,F,T)
 A1.82E9



479.7165 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1484.0,1.00%,F,T)



File:29AP101D5 #1-244 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :G0D140543-10SD Exp:DIOXINRES
 454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

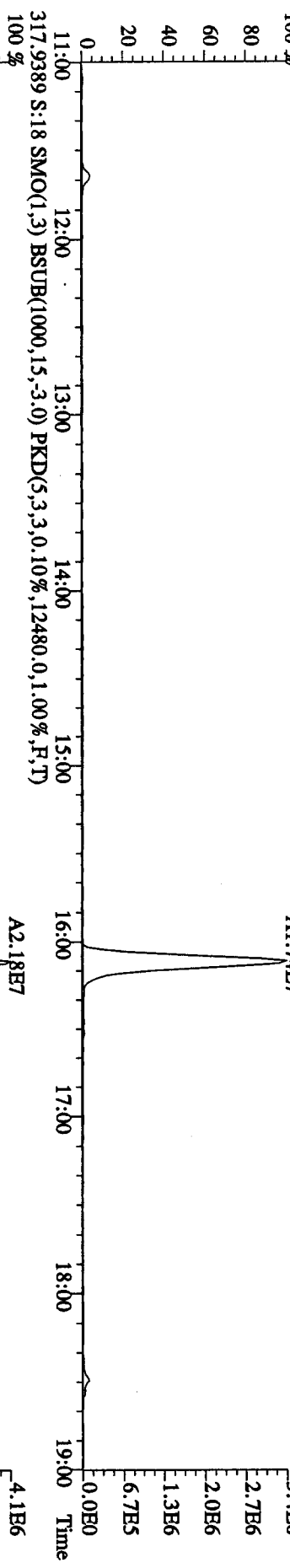
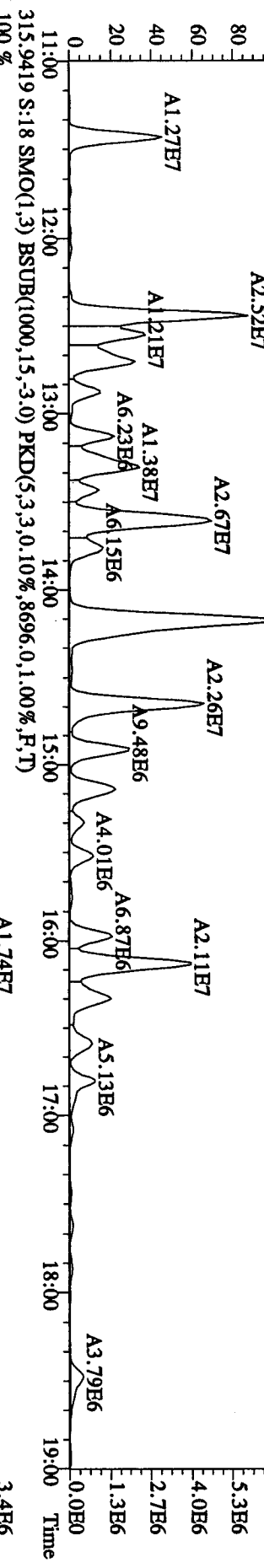
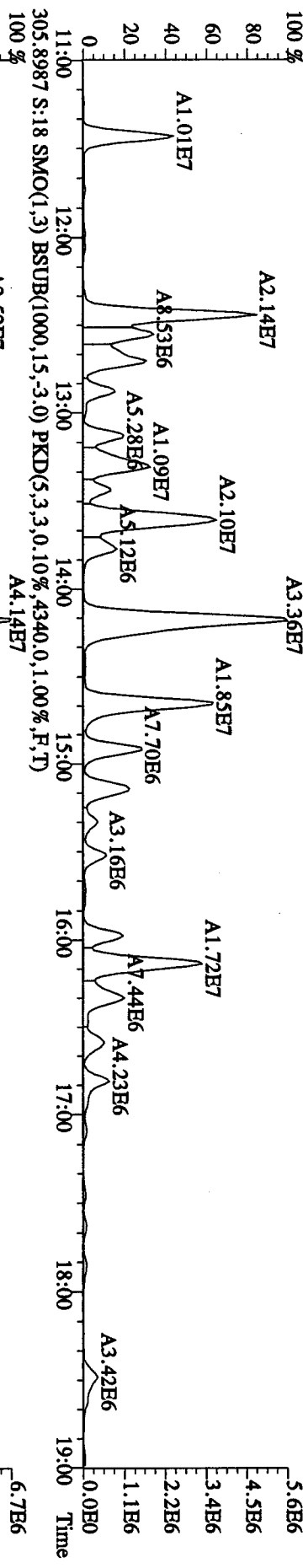


Run text: LXOPR-1-AG Sample text: LXOPR-1-AG :G0D140543-10D
 Run #21 Filename: 01MY10A5D2 S: 18 I: 1 Results: 01MY10A5D2DB225
 Acquired: 2-MAY-10 06:09:15 Processed: 3-MAY-10 09:37:30
 Run: 01MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.12 g

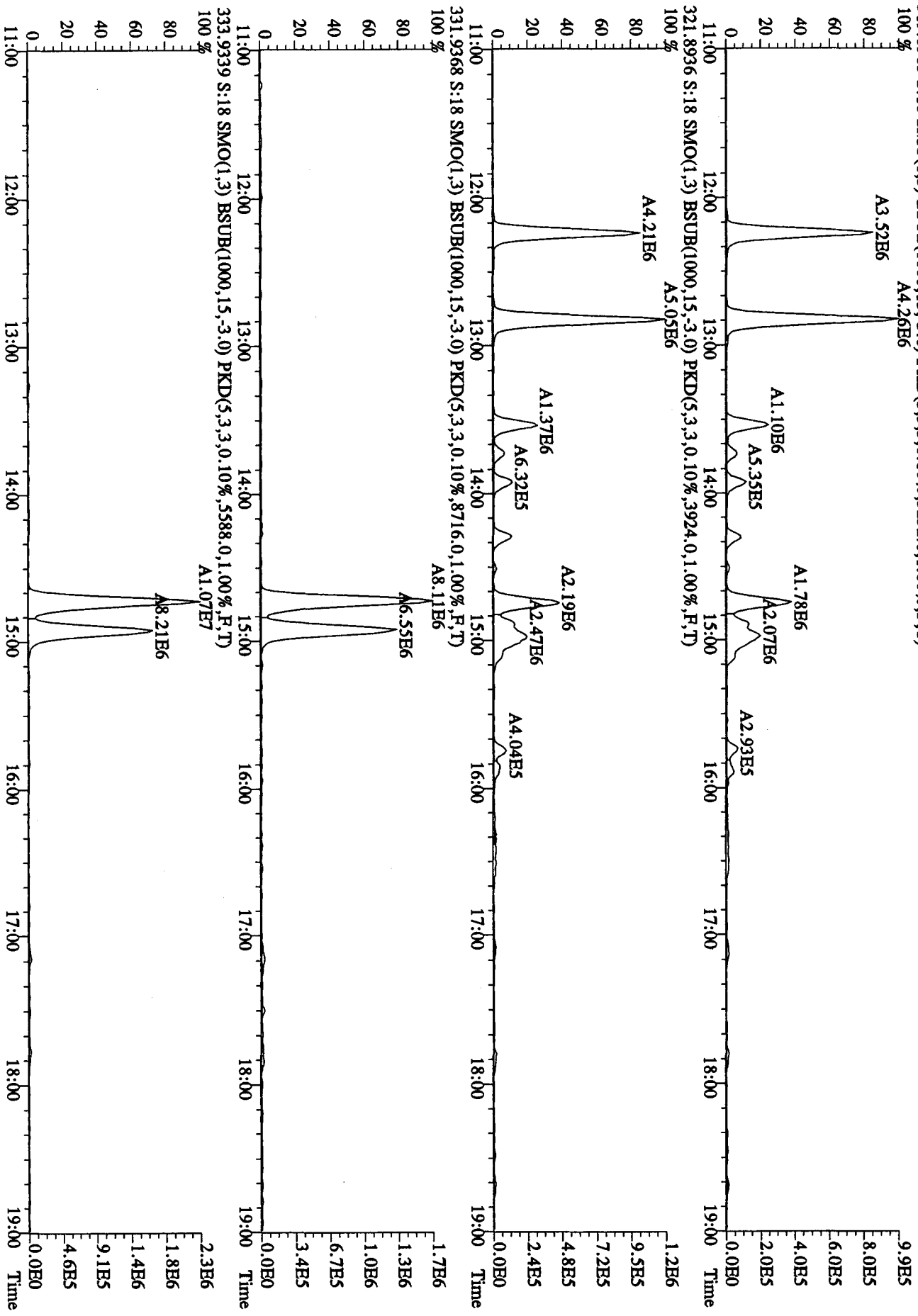
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	14759930	0.80 y	14:55	-	1.466	-	-	n
13C-2,3,7,8-TCDF	39205500	0.80 y	16:07	2.11	124.613	1.003	63.1	n
2,3,7,8-TCDF	38236400	0.81 y	16:08	1.09	177.080	0.658	-	n
13C-2,3,7,8-TCDD	18768970	0.76 y	14:44	0.95	132.481	1.503	67.0	n
2,3,7,8-TCDD	3969880	0.81 y	14:45	1.36	30.798	0.791	-	n
37Cl-2,3,7,8-TCDD	19631640	1.00 y	14:45	2.28	57.692	0.055	73.0	n

AK 5/4/10

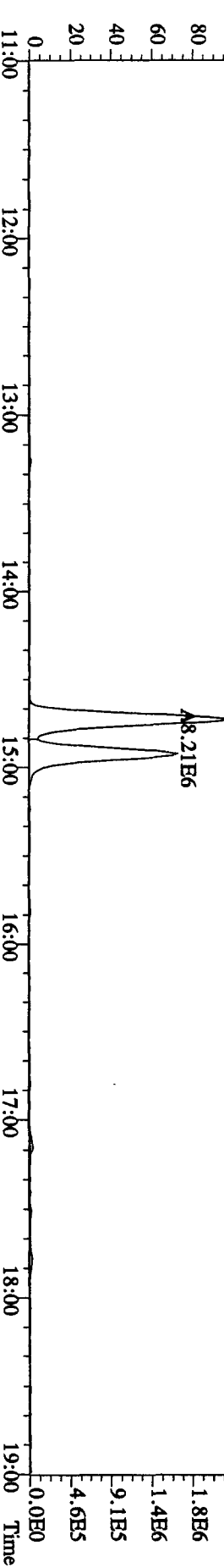
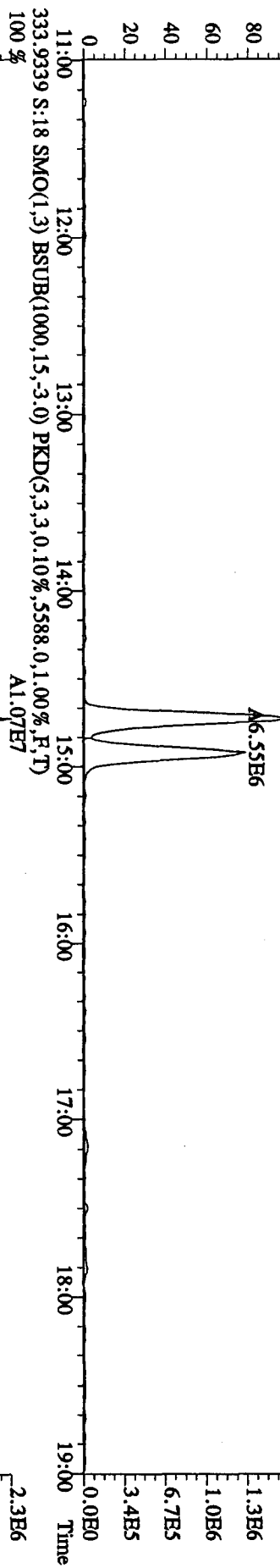
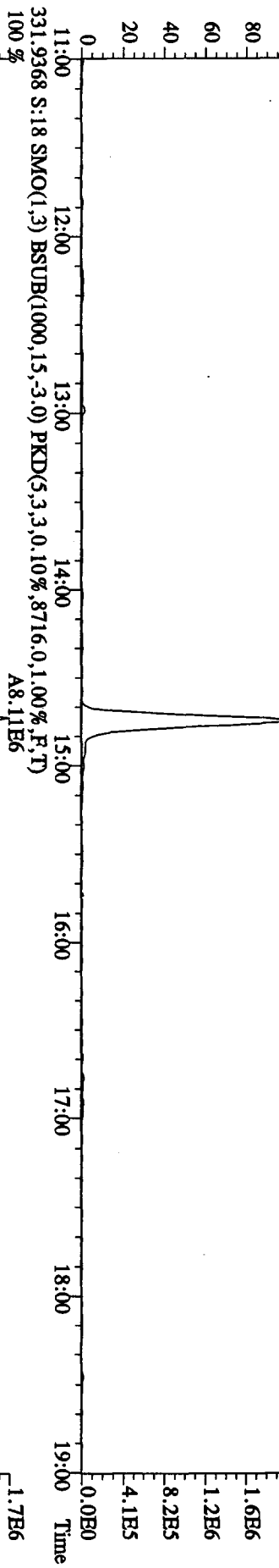
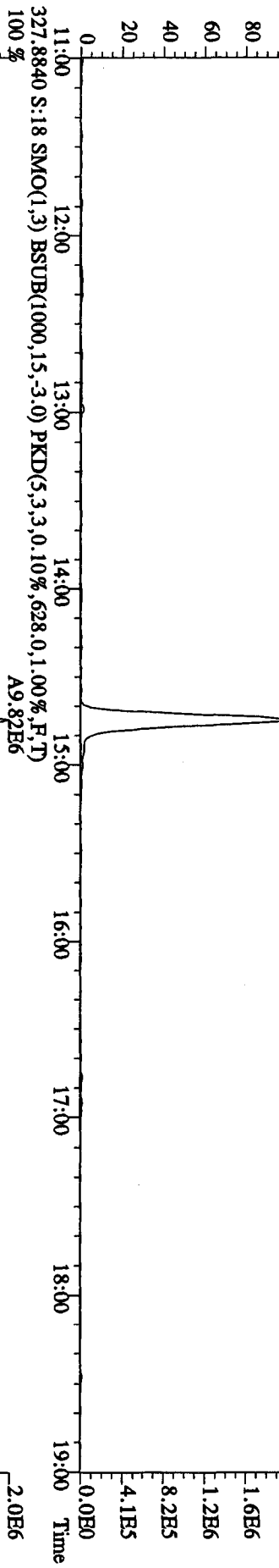
File:01MVT10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI + Voltage SIR 70SE
 Sample#18 Text:LXOPR-1-AG :GOD140543-10D Exp:DB225RES
 303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4696.0,1.00%,F,T)



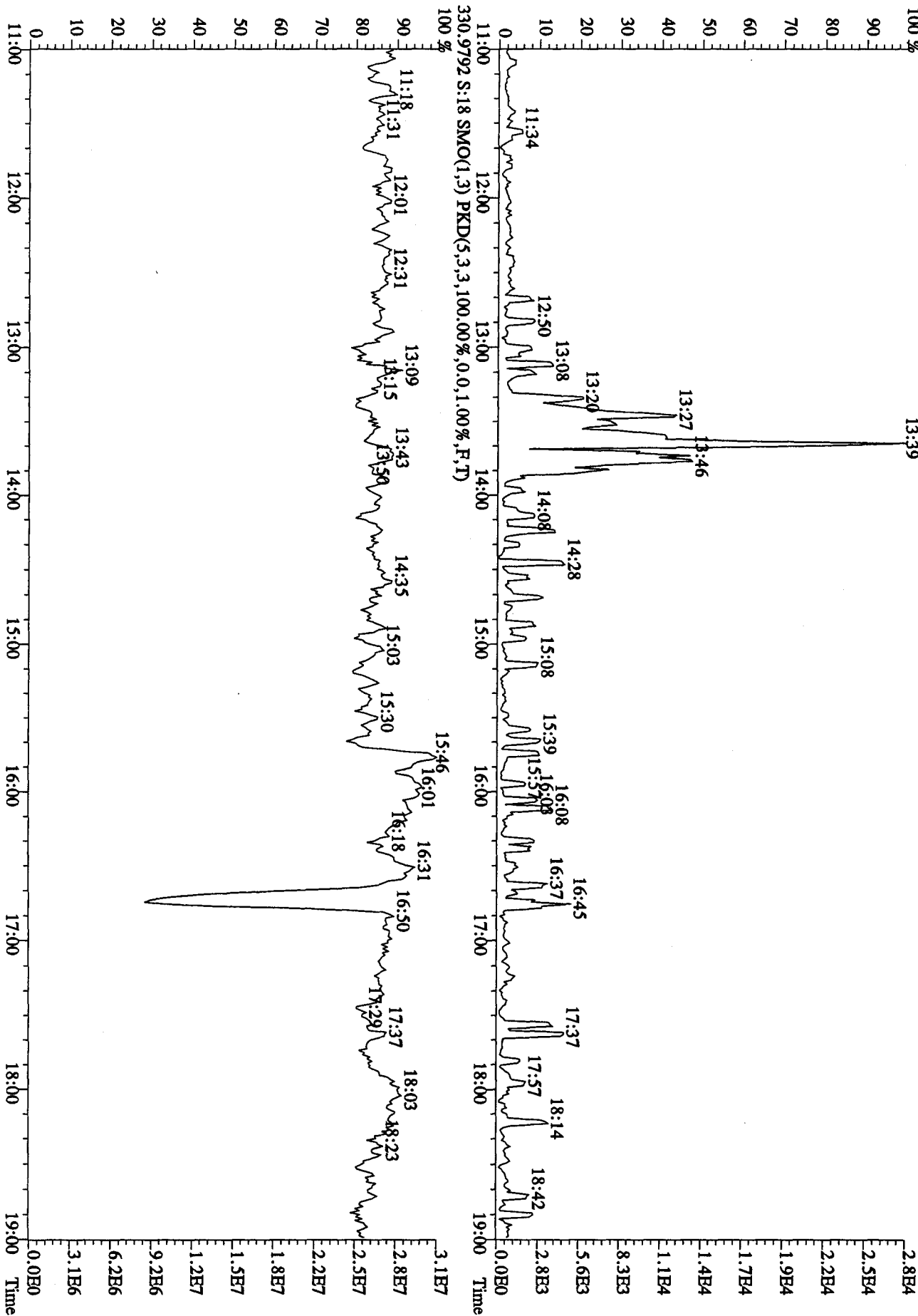
File:01M\Y10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI+ Voltage SIR 70SE
 Sample#18 Text:LX0PR-1-AG :G0D140543-10D Exp:DB225RES
 319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



File:01MKT10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI+ Voltage SIR 70SE
 Sample#18 Text:LX0PR-1-AG :G0D140543-10D Exp:DB225RES
 327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628.0,1.00%,F,T) A9.82E6
 100 %



File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI+ Voltage SIR 70SE
 Sample#18 Text:LXOPR-1-AG :GOD140543-10D Exp:DB225RES
 375.8364 S:18 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,720.0,1.00%,F,T)
 13:39



Method ID (DB225) 8290

Associated ICAL DB225 0421105D2

Column ID DB225

Instrument ID SD2

STD ID ST0427, ST0427A

STD Solution ICDXN111

Analyzed by AS

Date Analyzed 04-27-10

Std. Pkg. By AS

Date Std. Pkg. Assembled 04-28-10

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 4/28/10

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?*	① ✓	① ✓
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: ① ending CV ST0427A 2,3,7,8-TCDD @ -21.4% D see NCM # 07-0105900

* 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: ST0427 File text: ST0427 :CS3 10DXN111
Run #6 Filename 27AP105D2 S: 1 I: 1
Acquired: 27-APR-10 11:25:56 Processed: 27-APR-10 21:46:58
Run: 27AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 27AP105D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	96503400	0.76 y	15:04	-	100.00	-	n
13C-2,3,7,8-TCDF	151855500	0.81 y	16:15	1.57	100.00	-25.3	n
2,3,7,8-TCDF	15783340	0.86 y	16:16	1.04	10.00	-4.5	n
13C-2,3,7,8-TCDD	92835800	0.74 y	14:51	0.96	100.00	1.4	n
2,3,7,8-TCDD	10486680	0.79 y	14:52	1.13	10.00	-16.8	n
37Cl-2,3,7,8-TCDD	19485820	1.00 y	14:52	2.02	10.00	-11.4	n

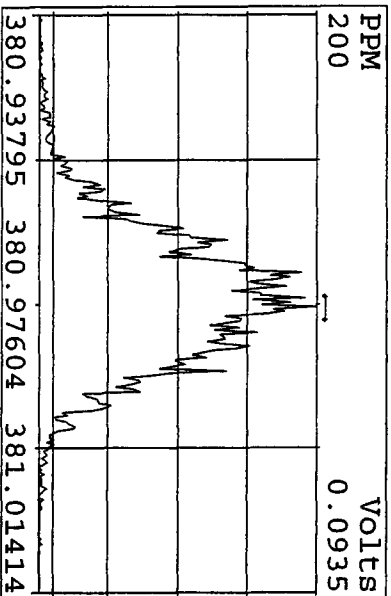
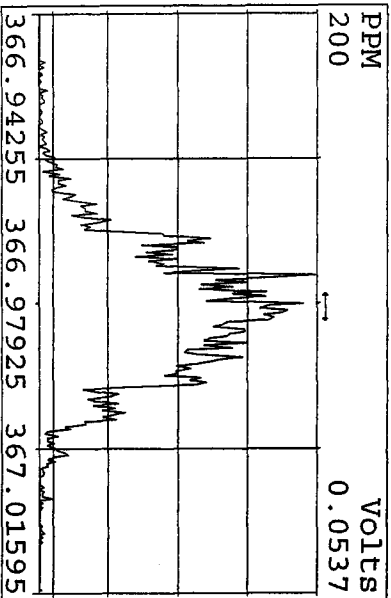
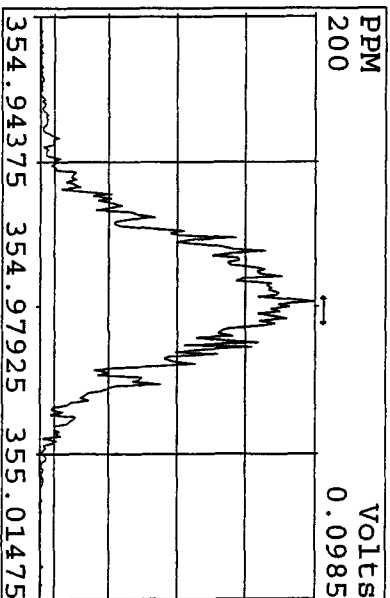
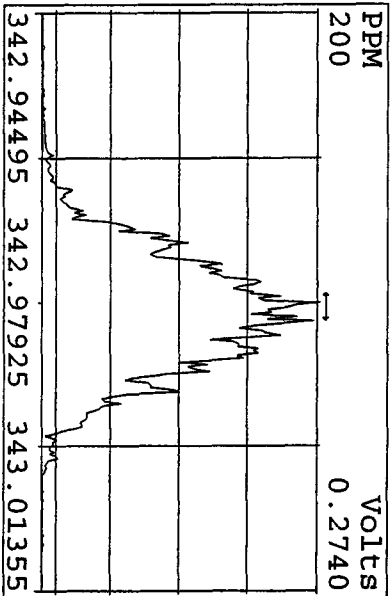
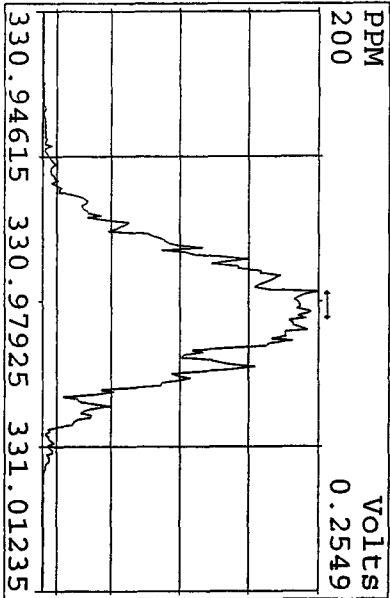
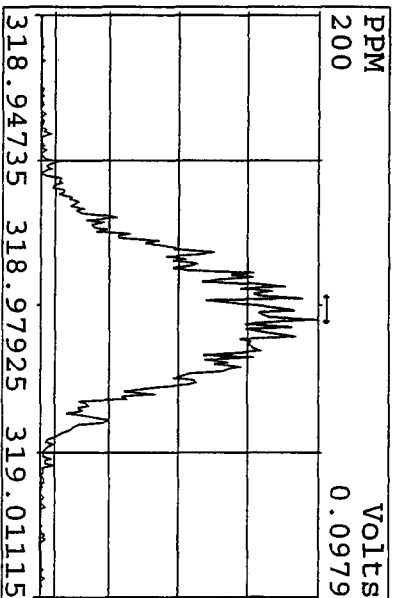
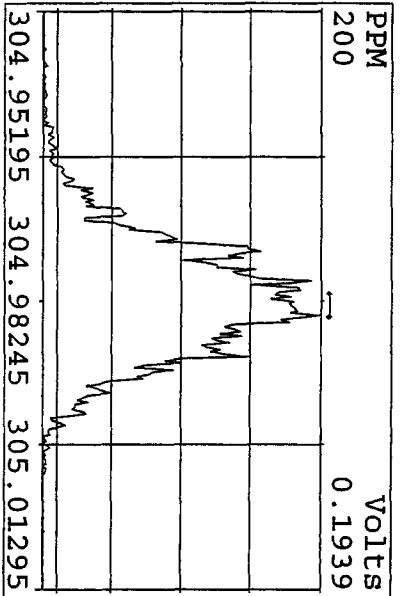
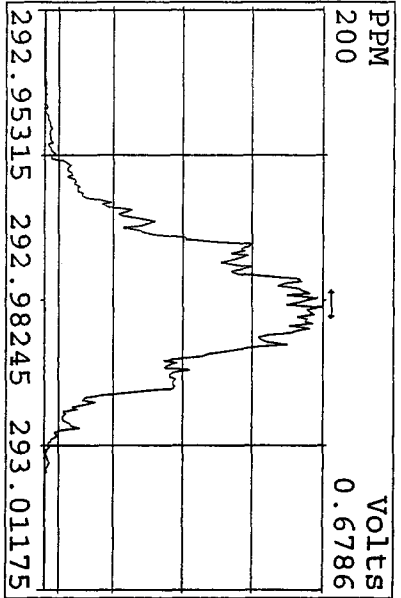
Run text: ST0427A File text: ST0427A :CS3 10DXN111
Run #19 Filename 27AP105D2 S: 15 I: 1
Acquired: 27-APR-10 20:04:43 Processed: 27-APR-10 21:48:47
Run: 27AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 27AP105D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	93165400	0.75 y	14:58	-	100.00	-	n
13C-2,3,7,8-TCDF	152155700	0.81 y	16:08	1.63	100.00	-22.5	n
2,3,7,8-TCDF	15445680	0.83 y	16:10	1.02	10.00	-6.7	n
13C-2,3,7,8-TCDD	93780600	0.75 y	14:46	1.01	100.00	6.1	n
2,3,7,8-TCDD	10000470	0.83 y	14:47	1.07	10.00	-21.4	n
37Cl-2,3,7,8-TCDD	19452620	1.00 y	14:47	2.09	10.00	-8.3	n

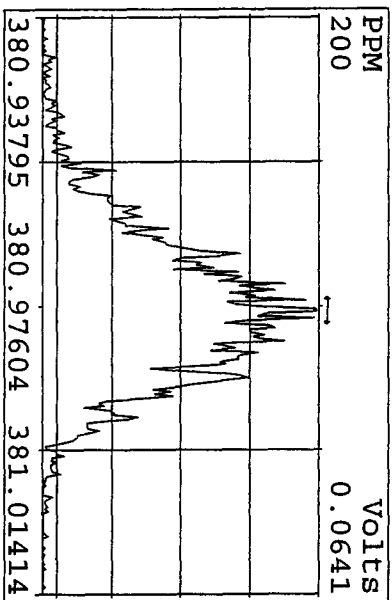
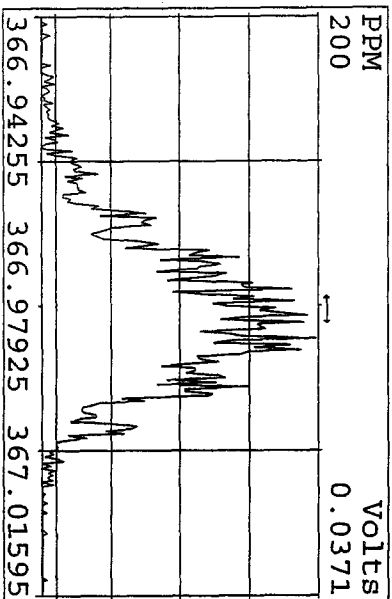
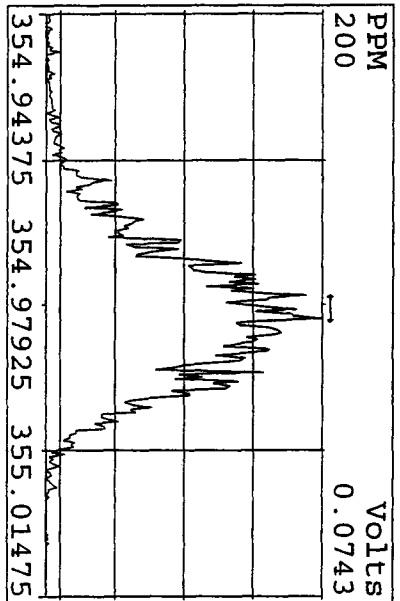
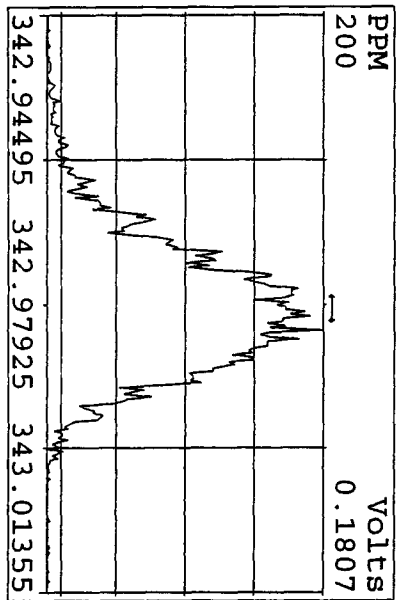
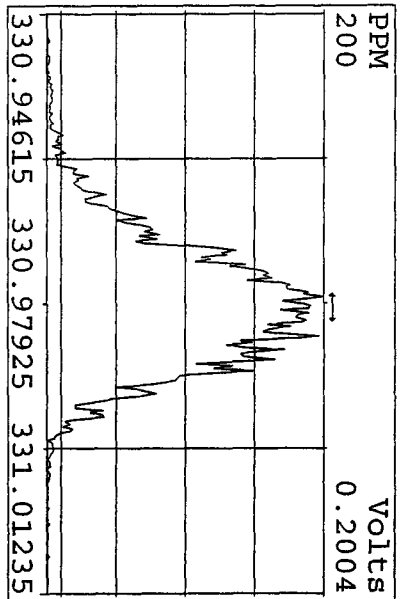
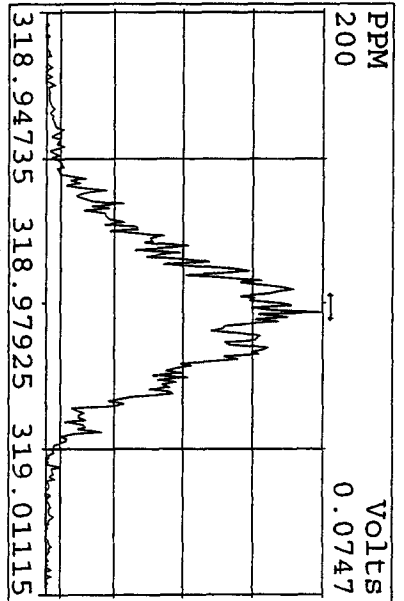
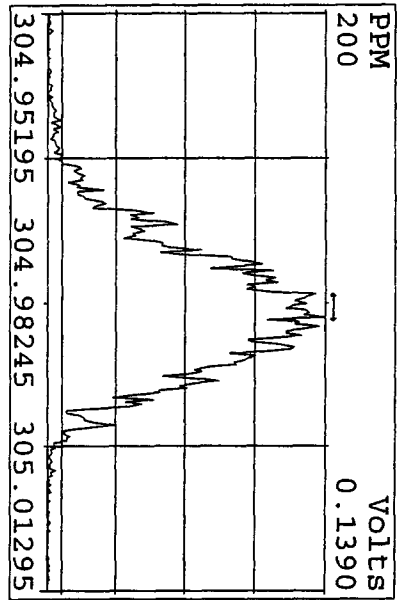
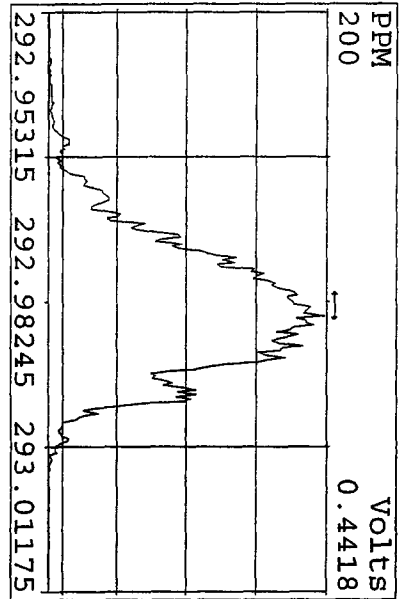
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
27AP105D2	1	ST0427	CS3 10DXN111				1.000	
27AP105D2	2	CP0427	DB-225 CPSM 3732-06				1.000	
27AP105D2	3	SB0427	Solvent Blank C-14				1.000	
27AP105D2	4	LOE4J-1-AA	G0D210423-1MB	20	8290/WATER	80	1.000	L
27AP105D2	5	LOE4J-1-AC	G0D210423-1LCS	20	8290/WATER		1.000	L
27AP105D2	6	LX9HX-1-AA	G0D210423-1	20	8290/WATER		0.978	L
27AP105D2	7	LX9F3-1-AA	G0D210420-1	20	8290/SOLID	81	10.420	g
27AP105D2	8	LXV4C-1-AD	G0D130435-6	10	8290/SOLID	69	10.540	g
27AP105D2	9	LXRAQ-1-AC	G0D090559-1	20	1613B/SOLID	74	10.760	g
27AP105D2	10	LX80Q-1-AA	G0D190475-15MB	20	8290/WATER	75	1.000	L
27AP105D2	11	L0FW5-1-AC	G0D230544-8	20	8290/SOLID	82	10.140	g
27AP105D2	12	LXRET-1-AC	G0D090568-2	20	1613B/SOLID	70	10.020	g
27AP105D2	13	LX6LV-1-AC	G0D080425-50	10	8290/SOLID	77	10.170	g
27AP105D2	14	SB0427A	Solvent Blank C-14				1.000	
27AP105D2	15	ST0427A	CS3 10DXN111				1.000	
27AP105D2	16	SB0427B	Solvent Blank C-14				1.000	
27AP105D2	17						1.000	
27AP105D2	18						1.000	
27AP105D2	19						1.000	
27AP105D2	20		AS 04/27/10				1.000	

*LOG file v id
4/28/10 xss*

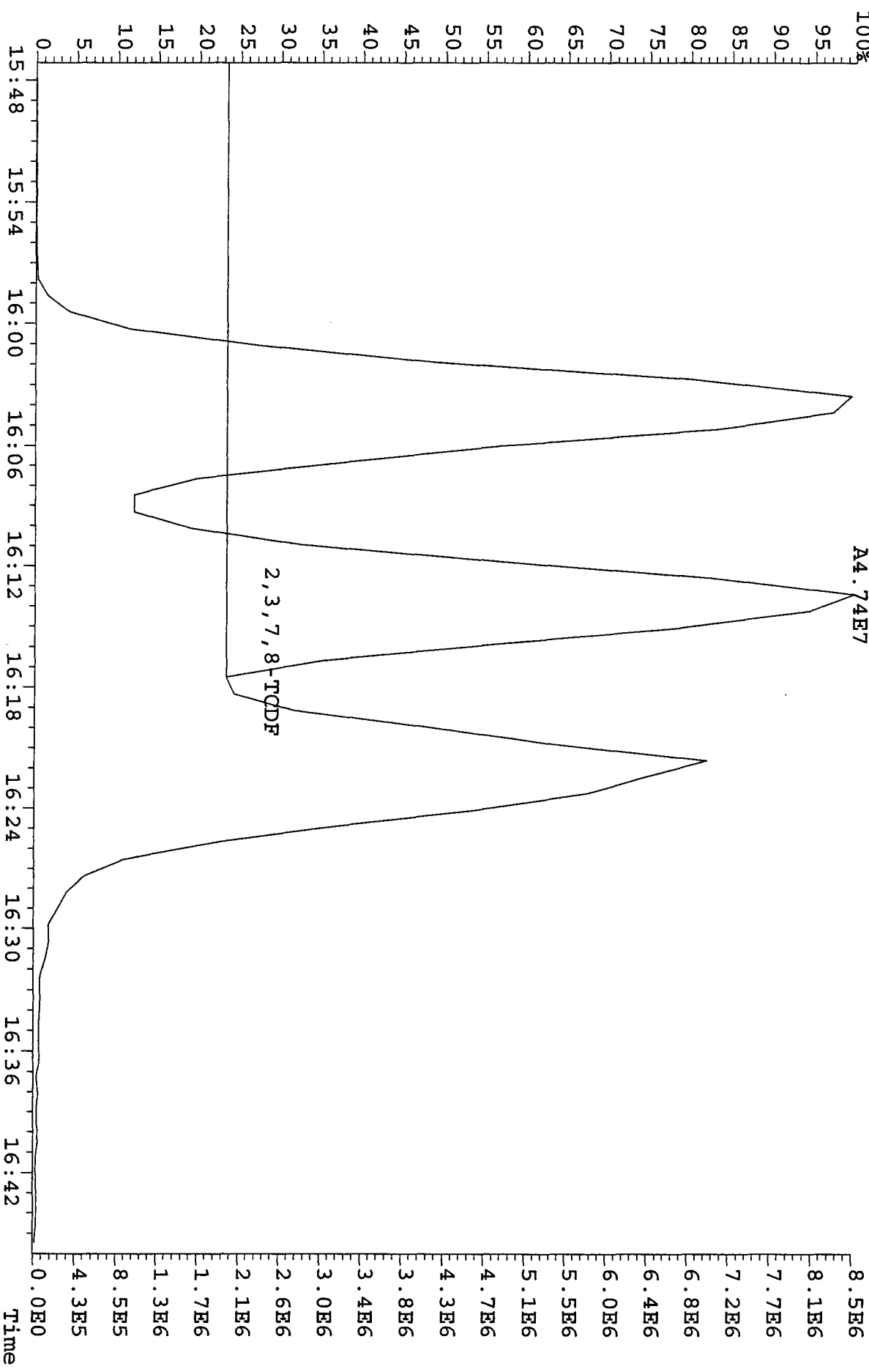
Peak Locate Examination: 27-APR-2010:11:24 File: 27AP105D2
 Experiment: DB225 Function: 1 Reference: PFK



Peak Locate Examination: 27-APR-2010:22:00 File: RESCHK27AP105D2
 Experiment: DB225 Function: 1 Reference: PFK



File: 27API05D2 #1-1242 Acq: 27-APR-2010 12:03:03 GC FI+ Voltage SIR 70SE
 303.9016 S: 2 BSUB(128,15,-3.0) BSUB(128,15,-3.0) Exp: DB225 Noise: 1020
 Sample Text: CP0427 : DB-225 CPSM 3732-06

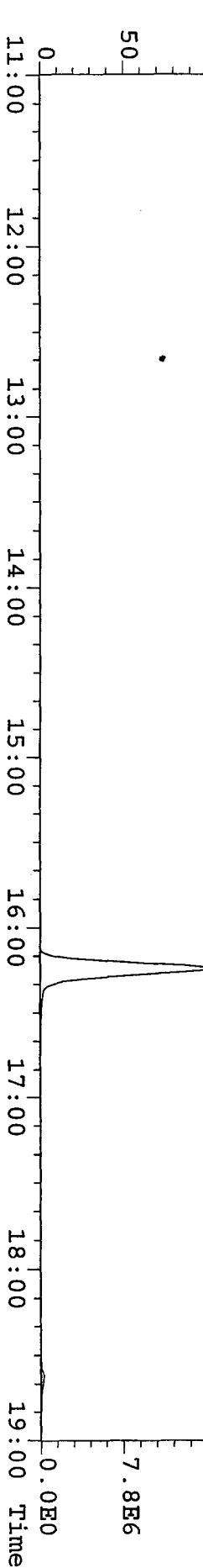
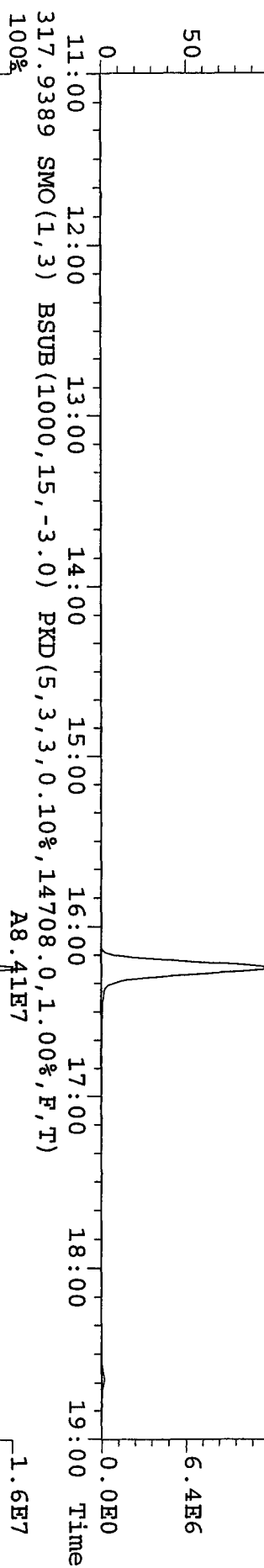
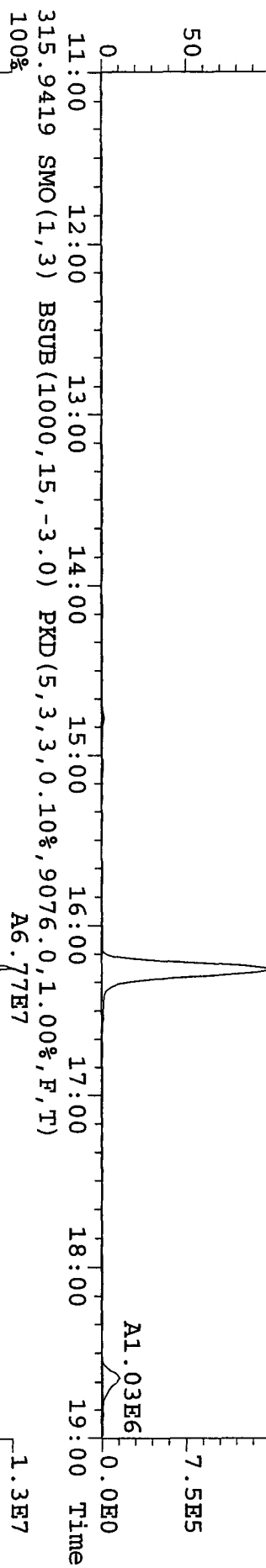
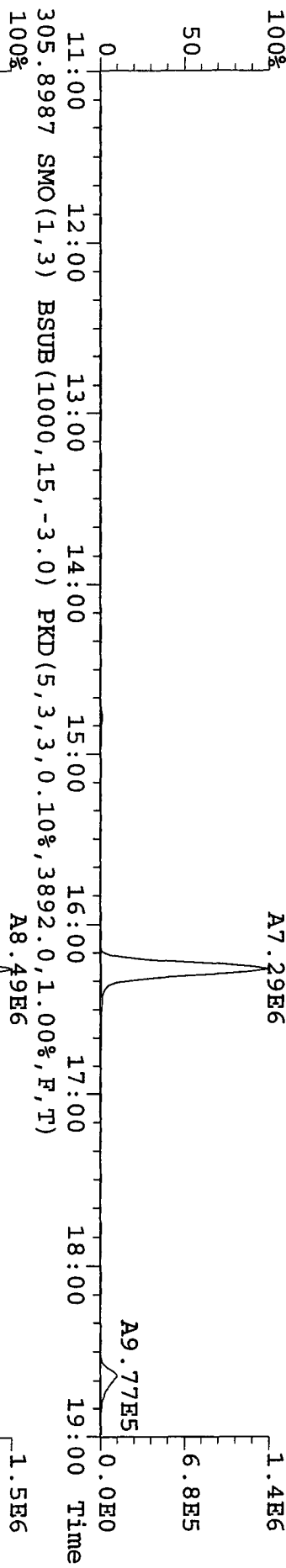


Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

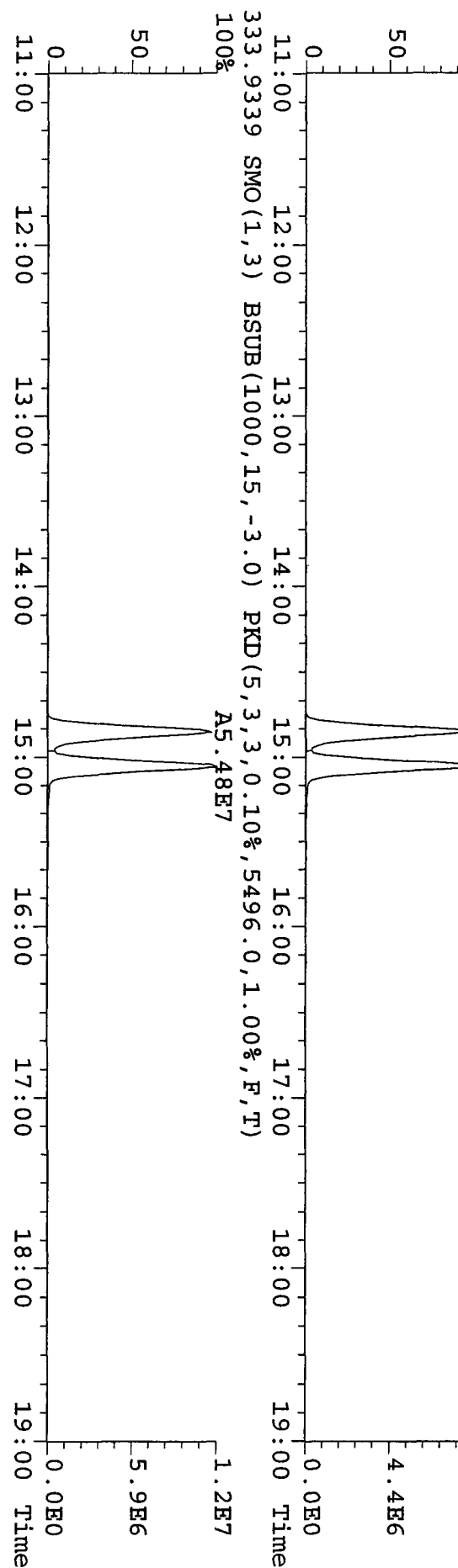
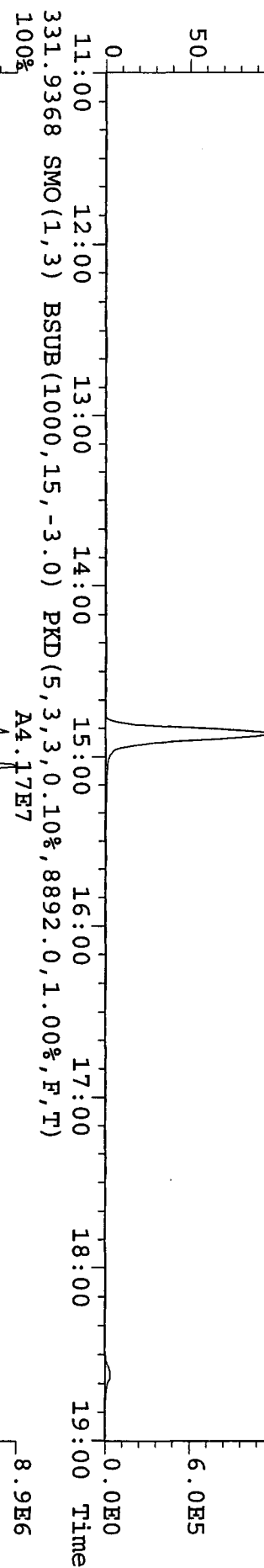
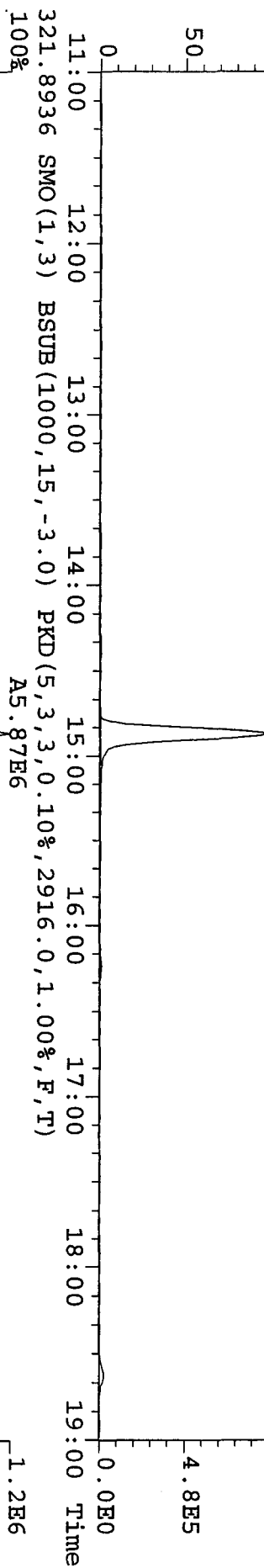
ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
 ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2				
				S14	S13	S12	S16	S15
				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

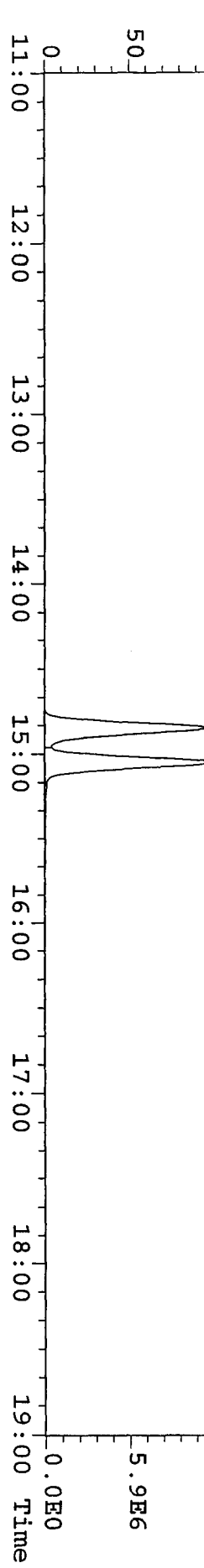
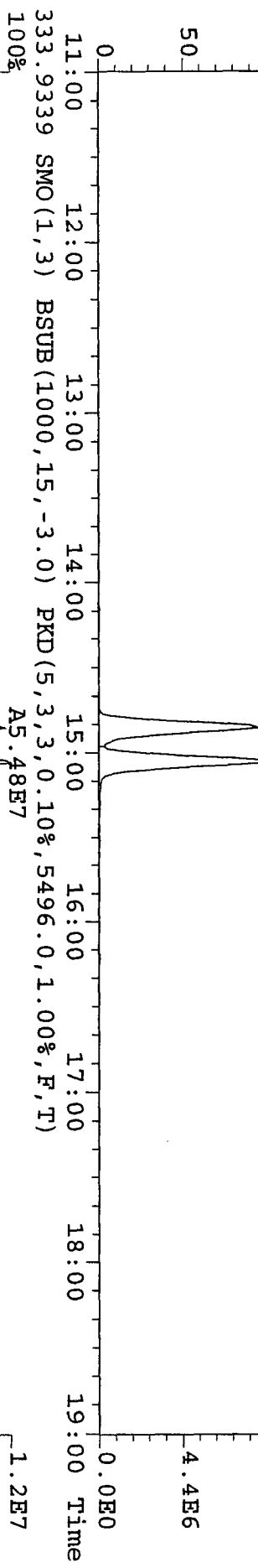
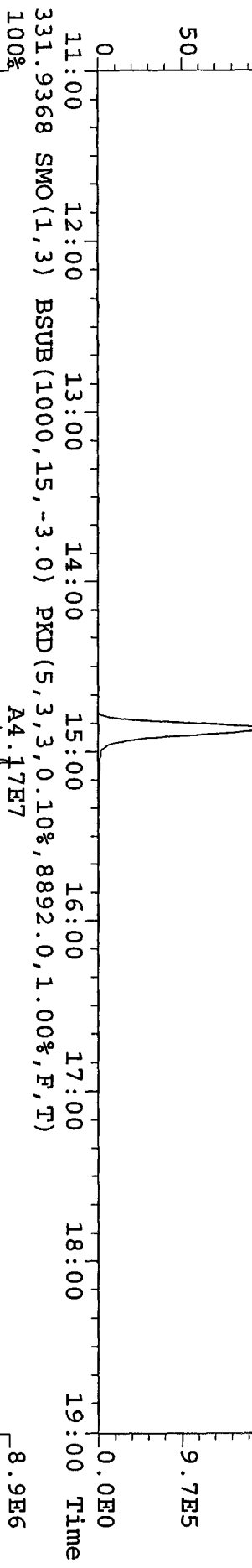
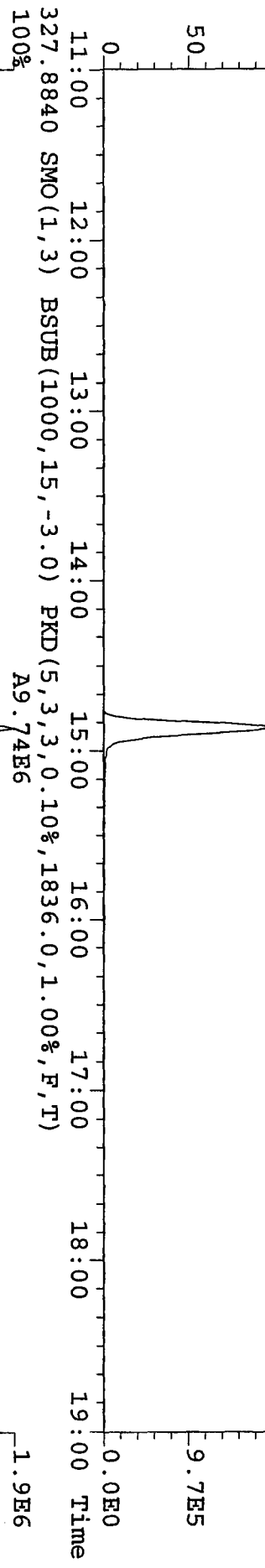
File: 27AP105D2 #1-1242 Acq: 27-APR-2010 11:25:56 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0427 : CS3 10DXN111 Exp: DB225
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2756.0,1.00%,F,T) A7.29E6
 100%



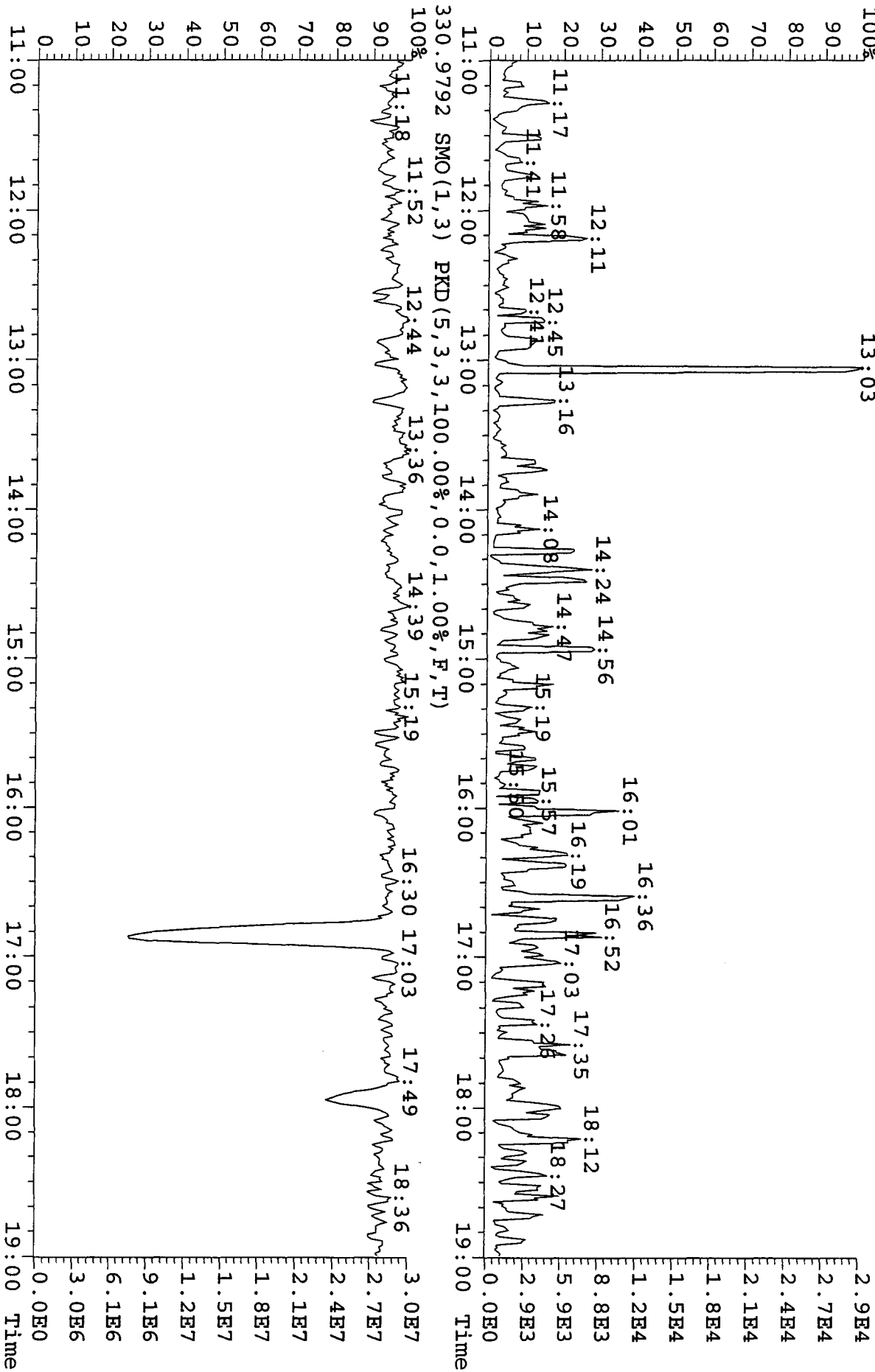
File: 27AP105D2 #1-1242 Acq: 27-APR-2010 11:25:56 GC FI+ Voltage SIR 70SE
 Sample#1 Text: ST0427 : CS3 10DXN111 Exp: DB225
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2208.0,1.00%,F,T) 100% A4.62E6



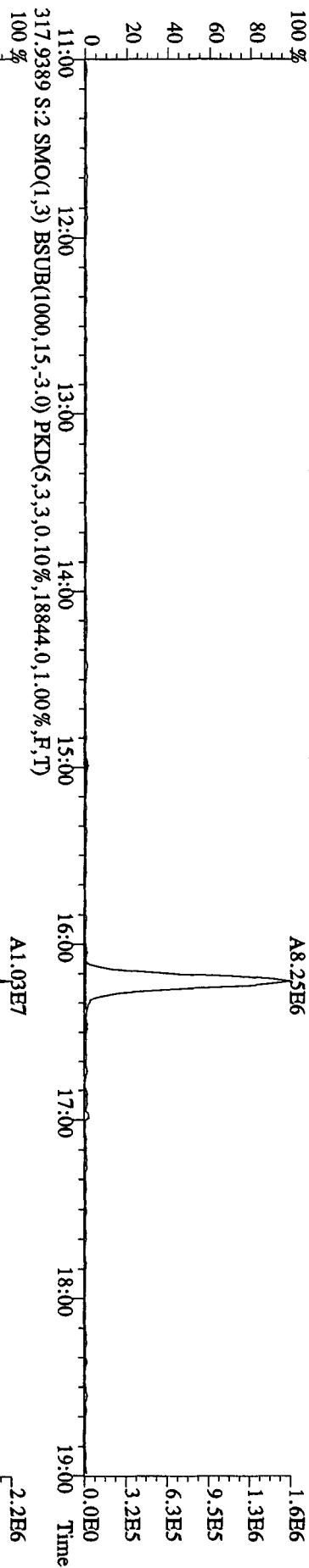
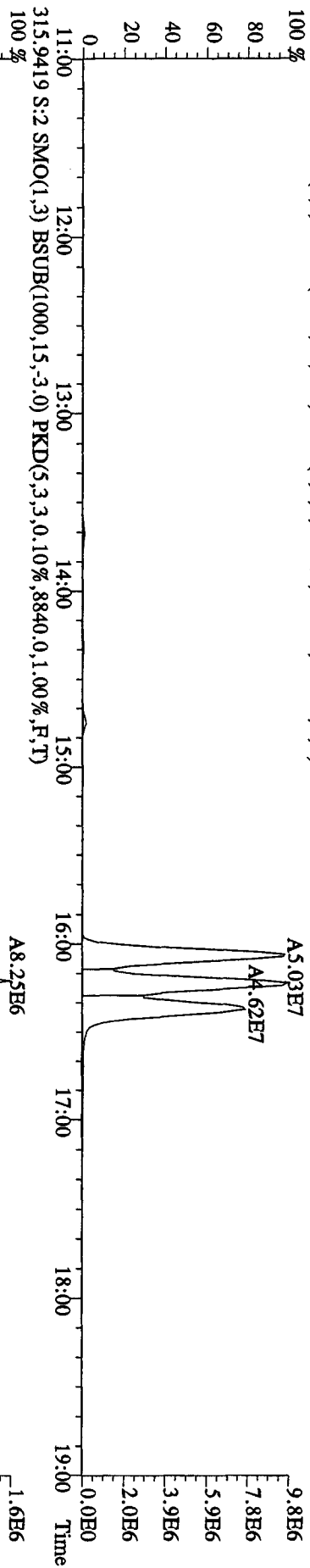
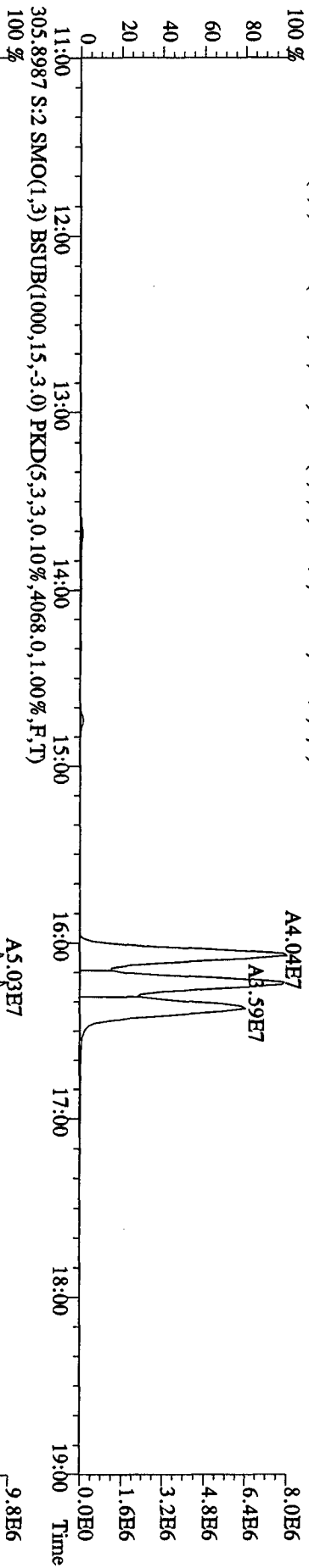
File: 27AP105D2 #1-1242 Acq: 27-APR-2010 11:25:56 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0427 : CS3 10DXN111 Exp: DB225
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1836.0,1.00%,F,T)
 100% A9.74E6



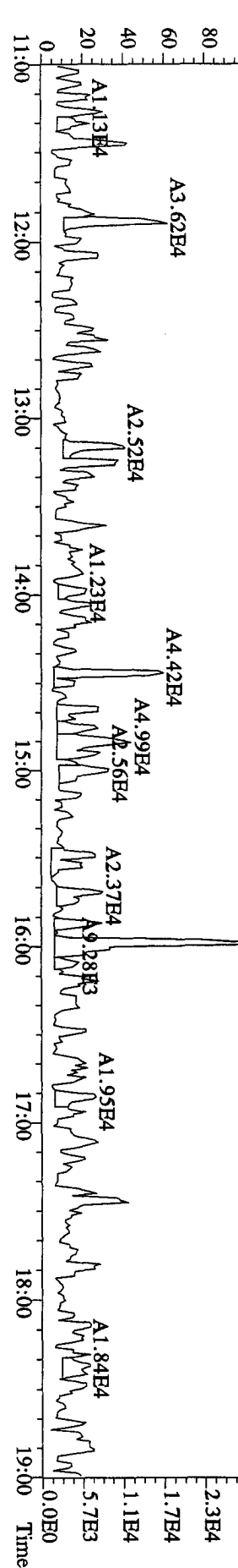
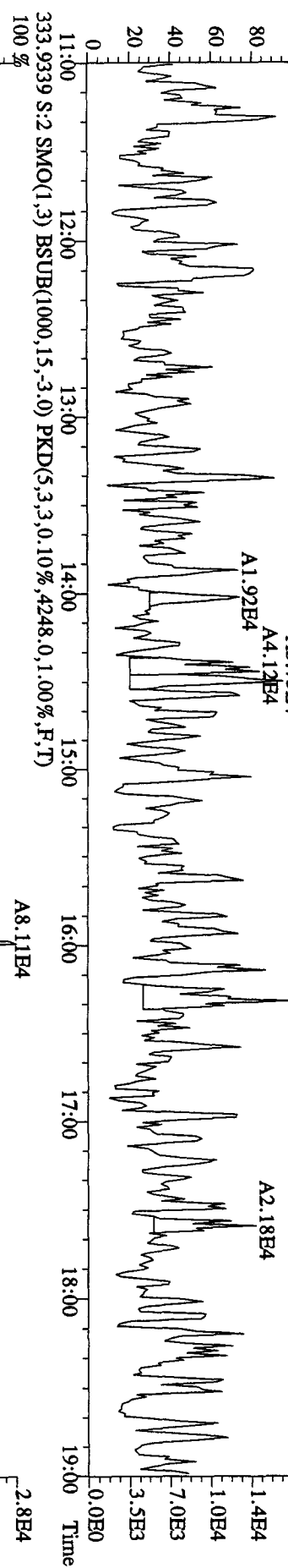
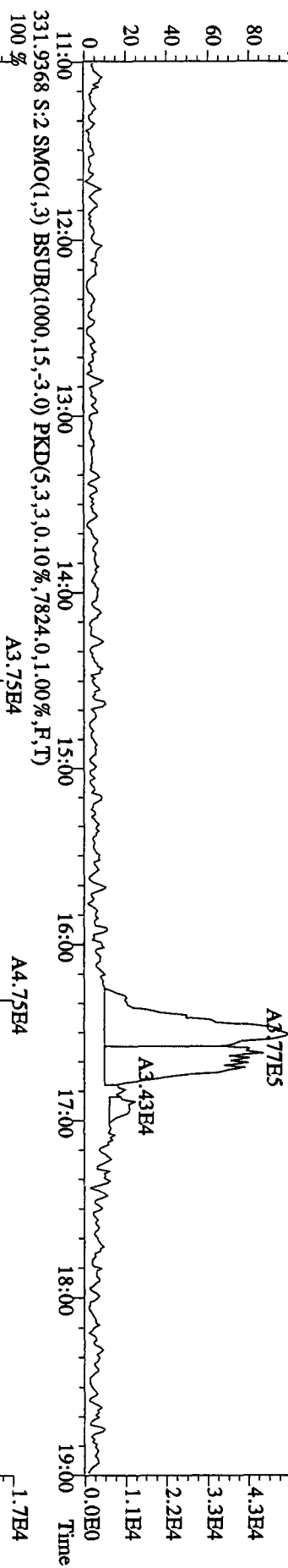
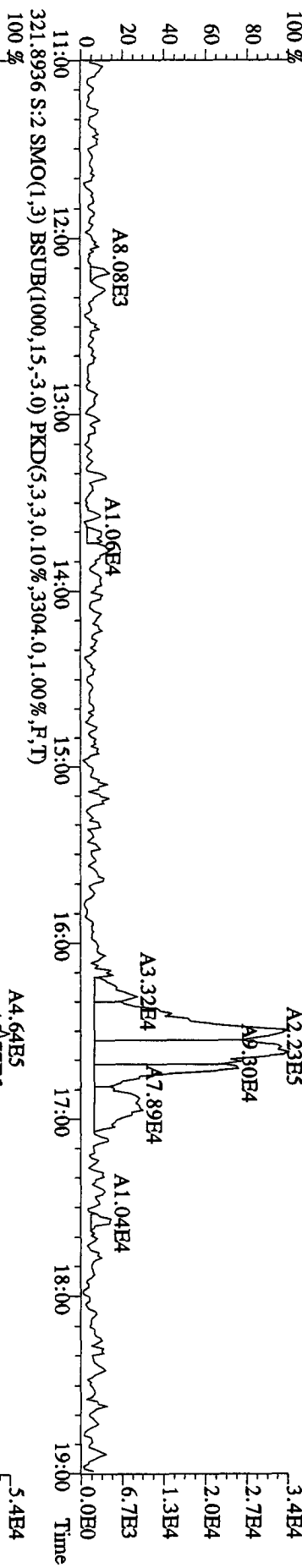
File: 27API05D2 #1-1242 Acq: 27-APR-2010 11:25:56 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0427 : CS3 10DXN111 Exp: DB225
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1420.0,1.00%,F,T)



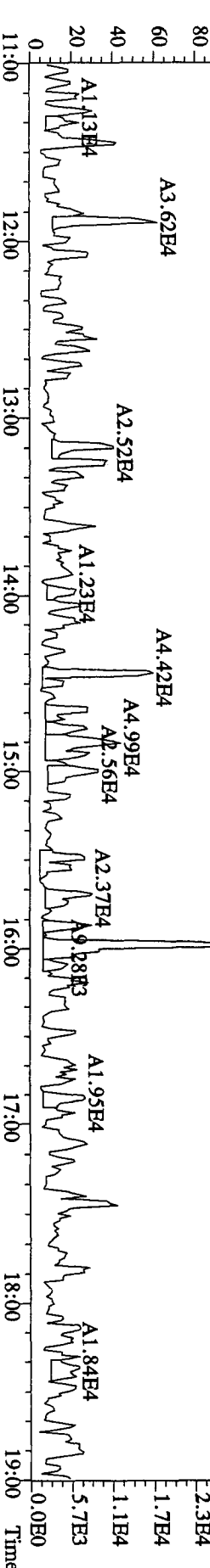
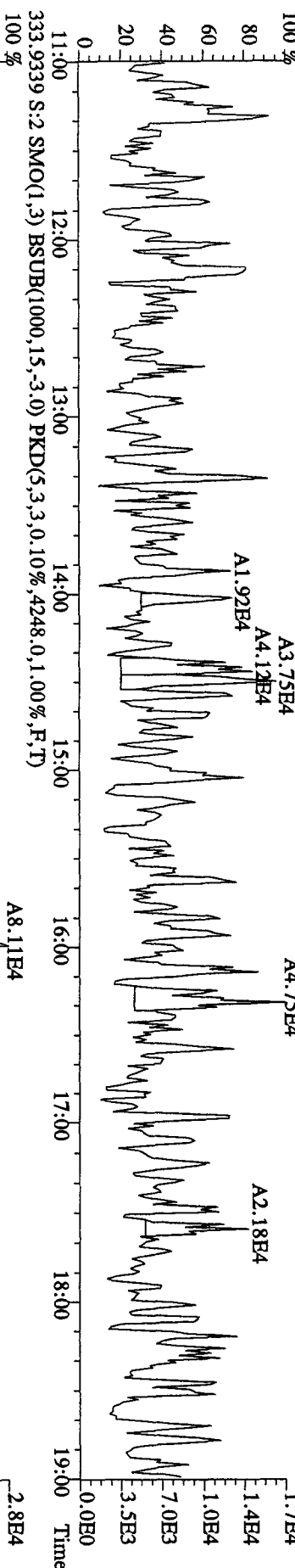
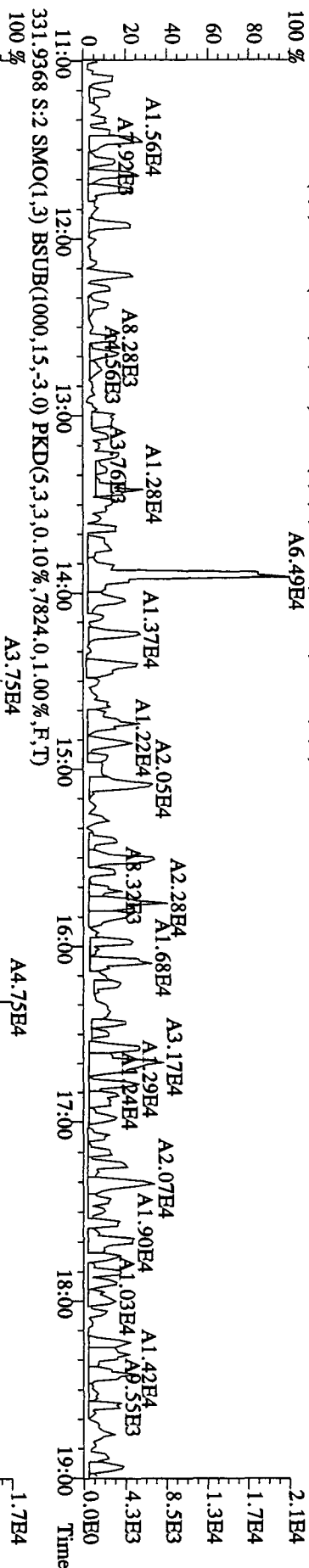
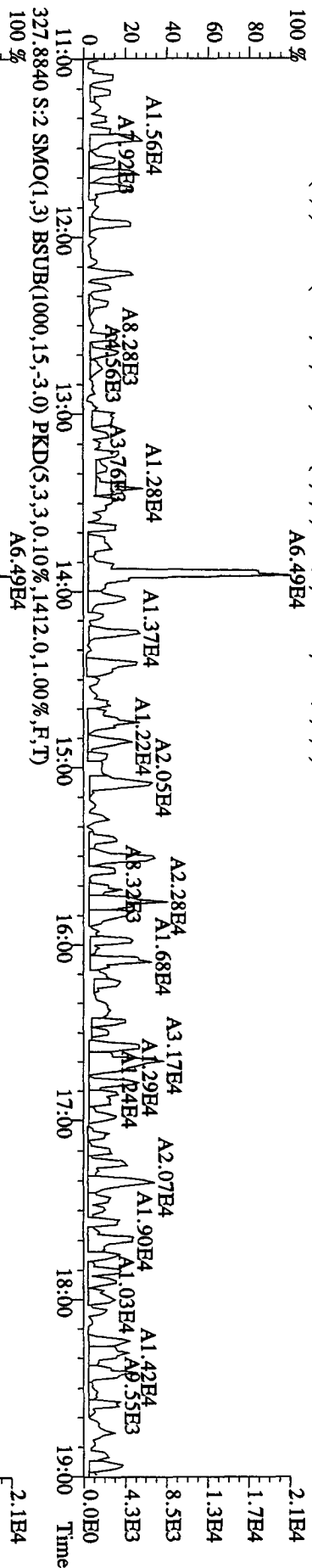
File:27AP105D2 #1-1242 Acq:27-APR-2010 12:03:03 GC:EI+ Voltage SIR 70SE
Sample#2 Text:CP0427 :DB-225 CP5M 3732-06 Exp:DB225
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



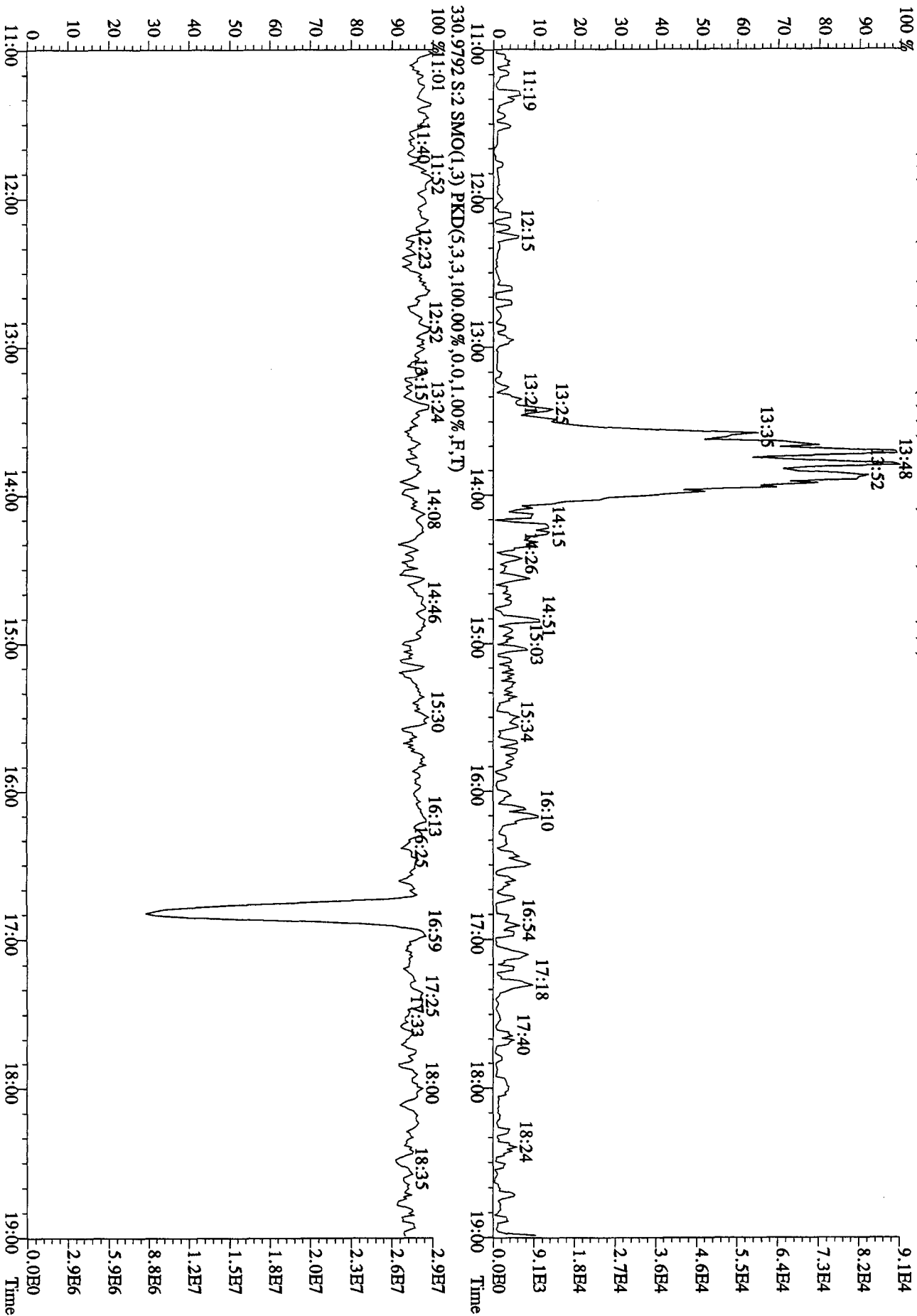
File:27AP105D2 #1-1242 Acq:27-APR-2010 12:03:03 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0427 :DB-225 CPSM 3732-06 Exp:DB225
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2444.0,1.00%,F,T)



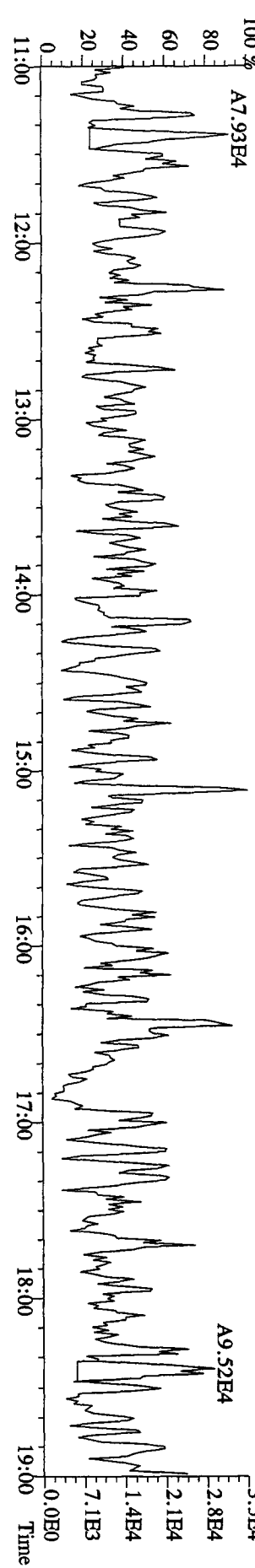
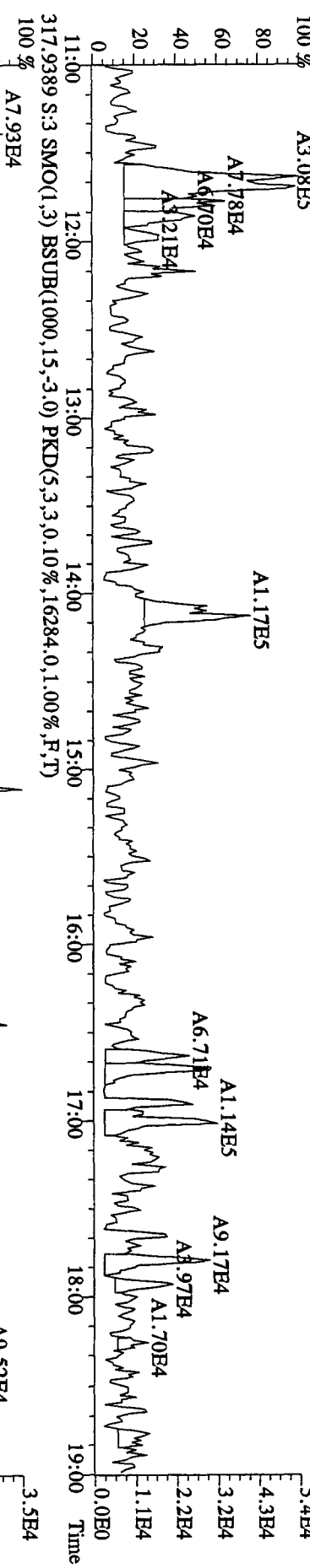
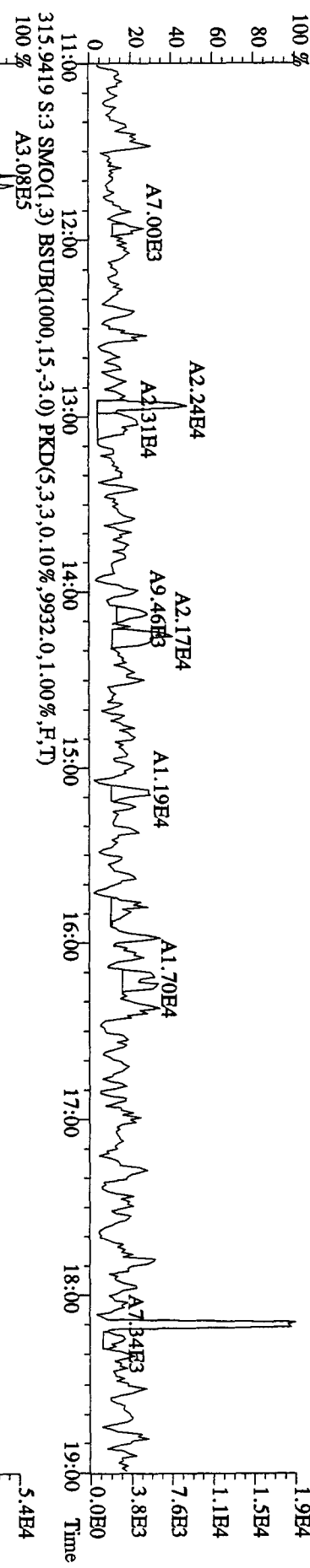
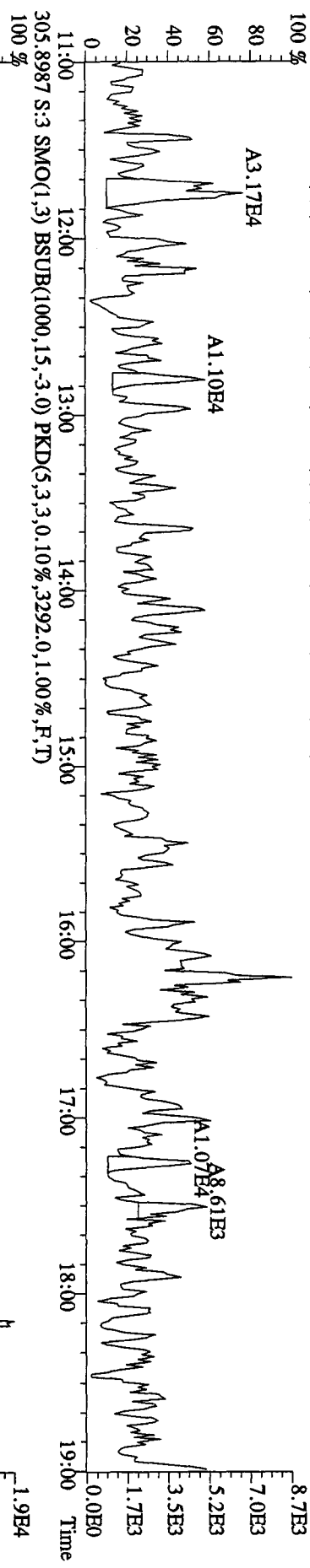
File:27AP105D2 #1-1242 Acq:27-APR-2010 12:03:03 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0427 :DB-225 CPM 3732-06 Exp:DB225
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1412.0,1.00%,F,T) A6.49E4



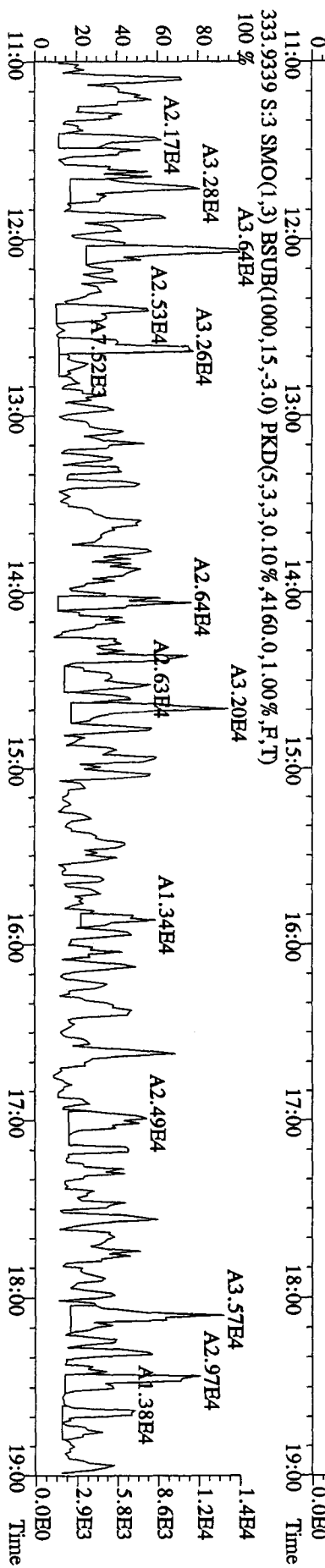
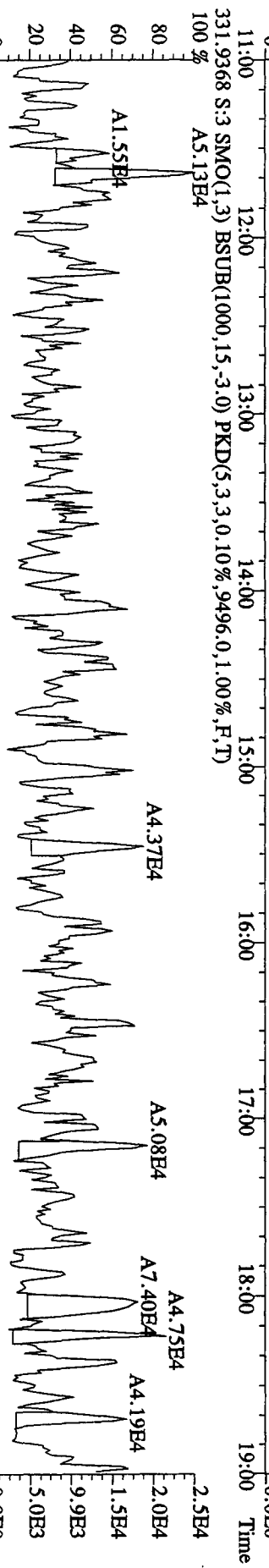
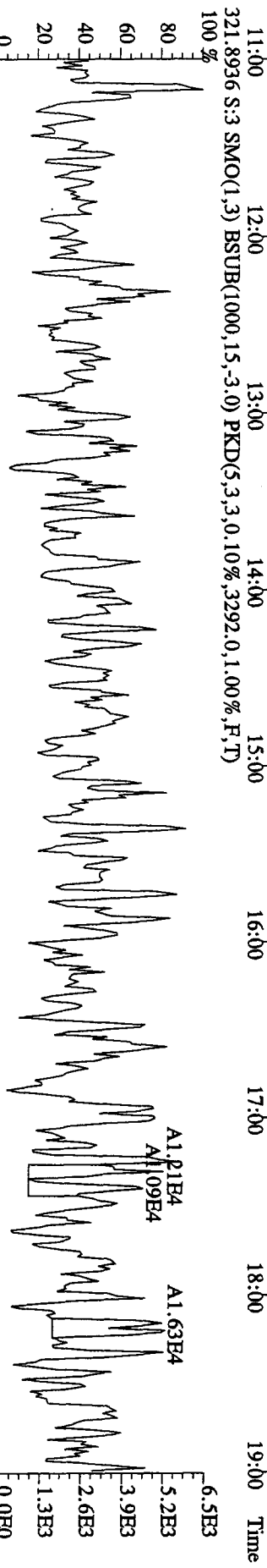
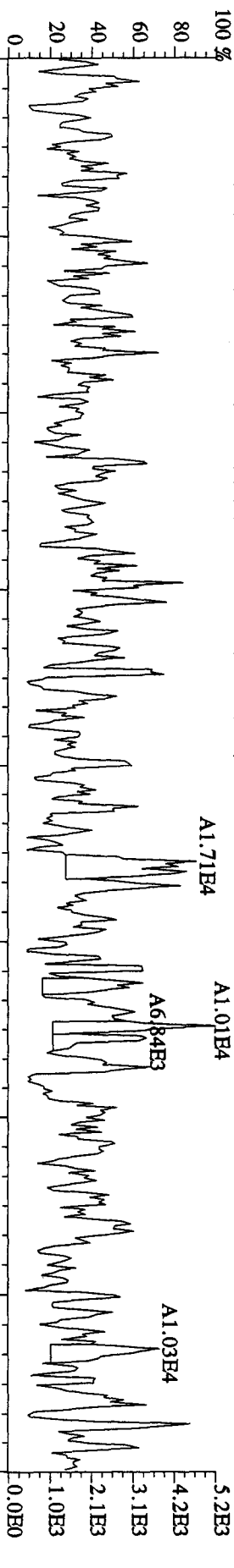
File: 27AP105D2 #1-1242 Acq: 27-APR-2010 12:03:03 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0427 :DB-225 CPSM 3732-06 Exp: DB225
 375.8364 S:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,1280,0,1.00%,F,T)



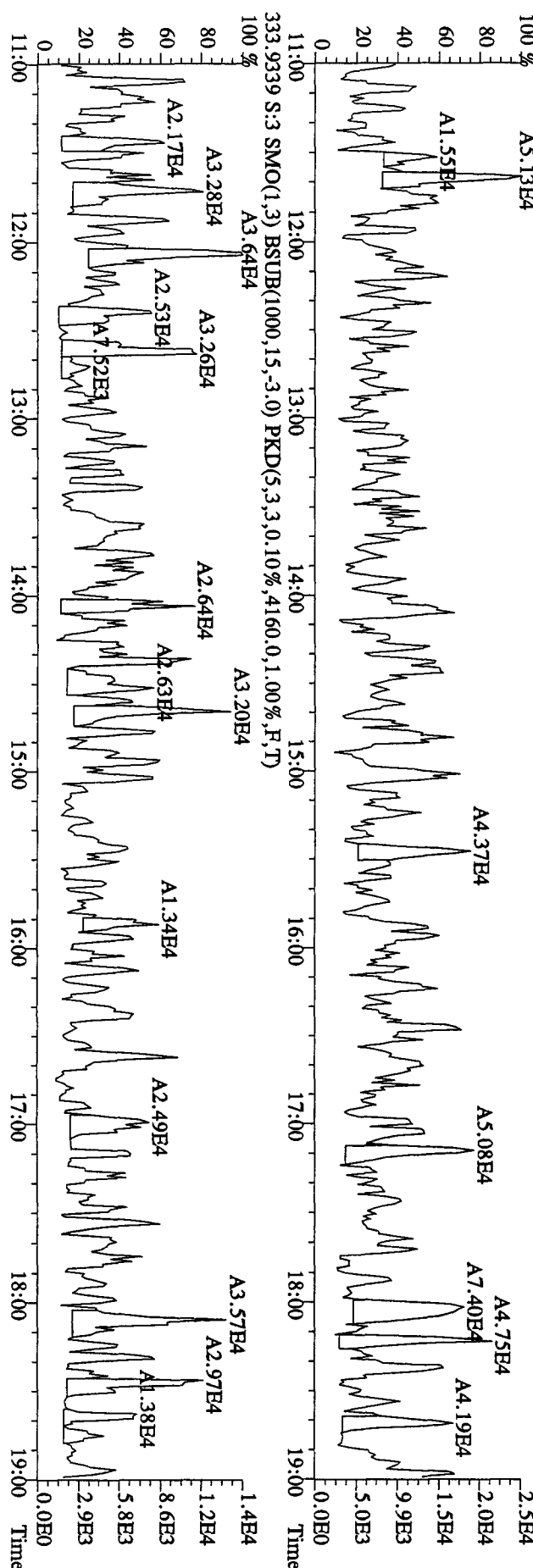
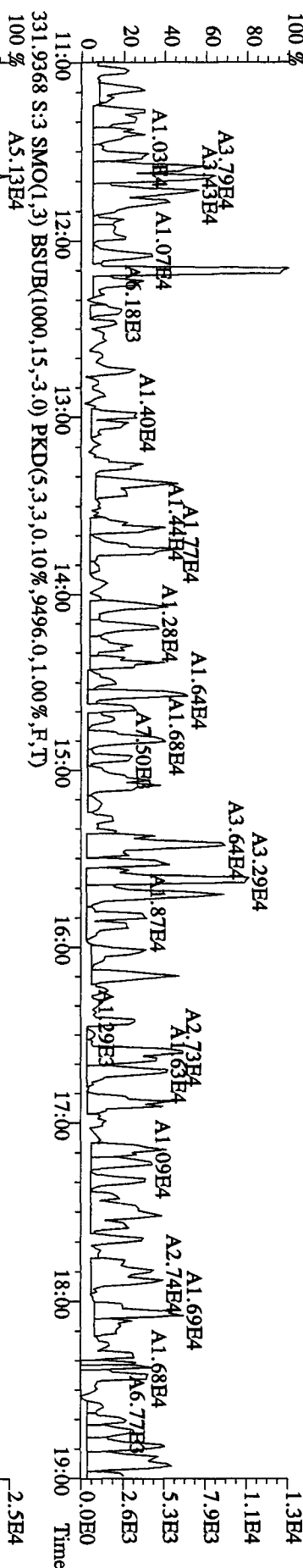
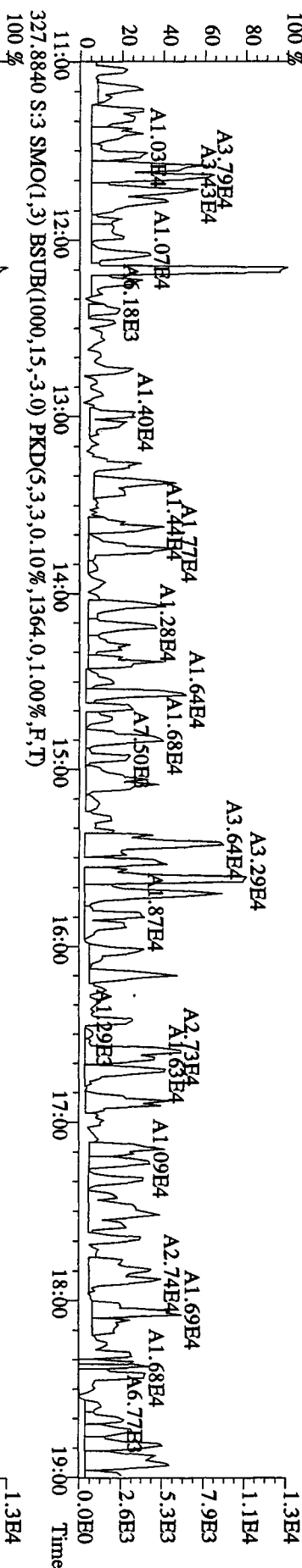
File:27AP105SD2 #1-1242 Acq:27-APR-2010 12:40:04 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DB225
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2640,0.1,00%,F,T)
 100 %



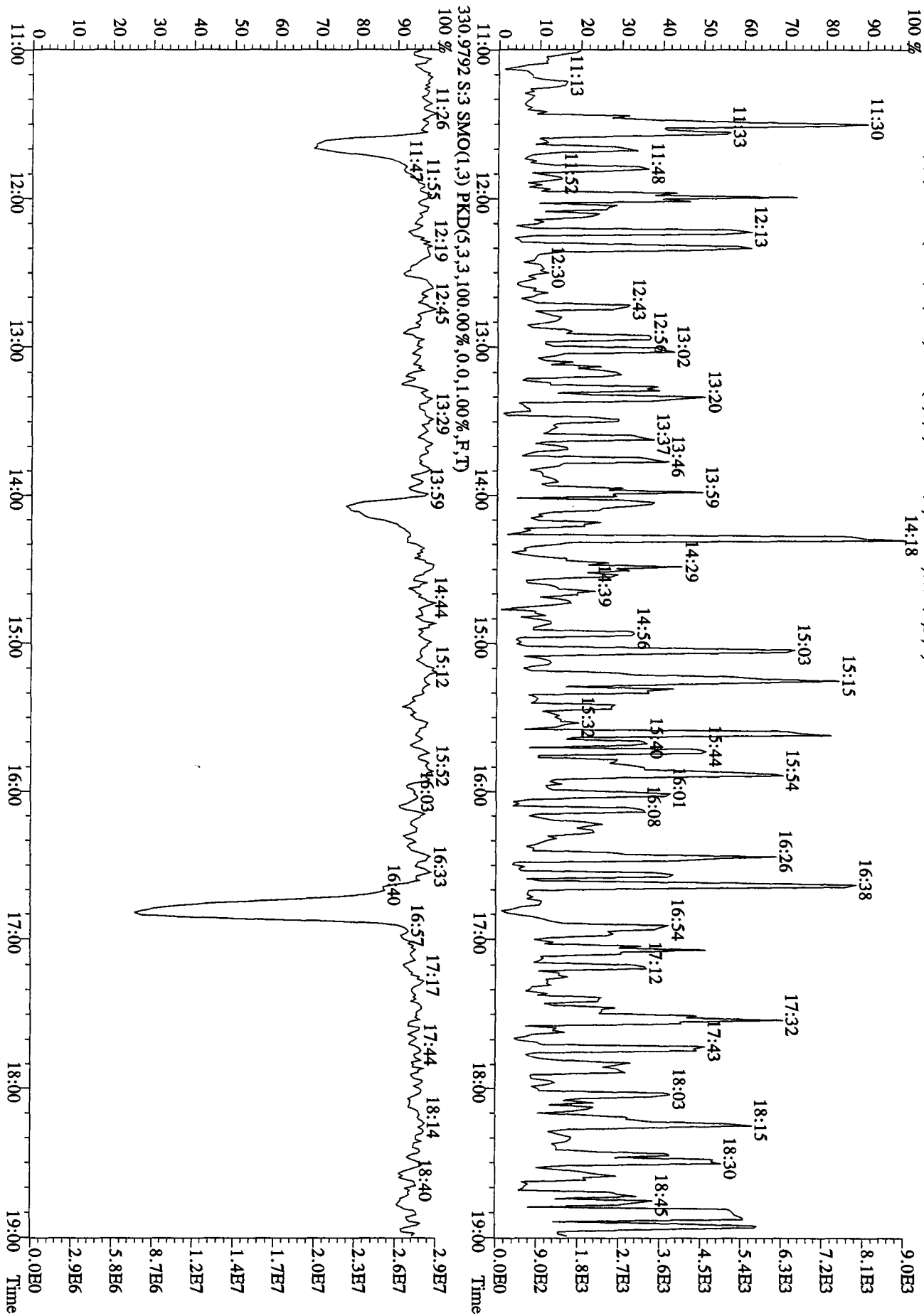
File:27AP105D2 #1-1242 Acq:27-APR-2010 12:40:04 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DB225
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,2336,0,1.00%,F,T)
 100 %

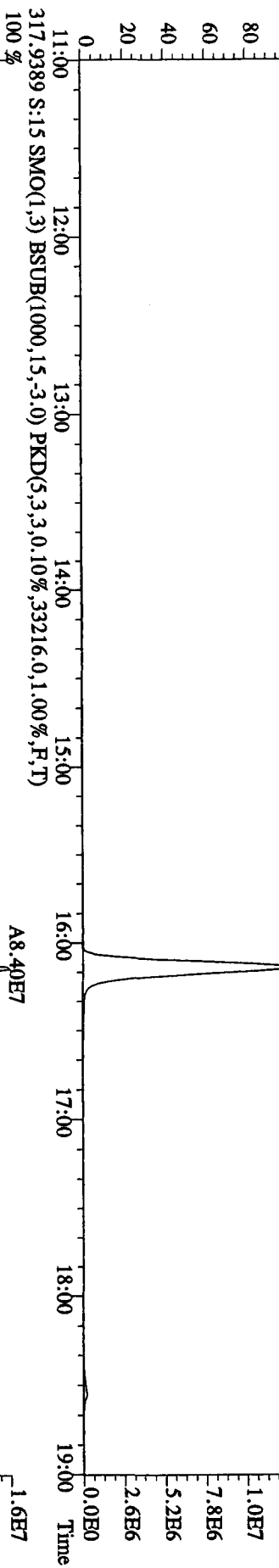
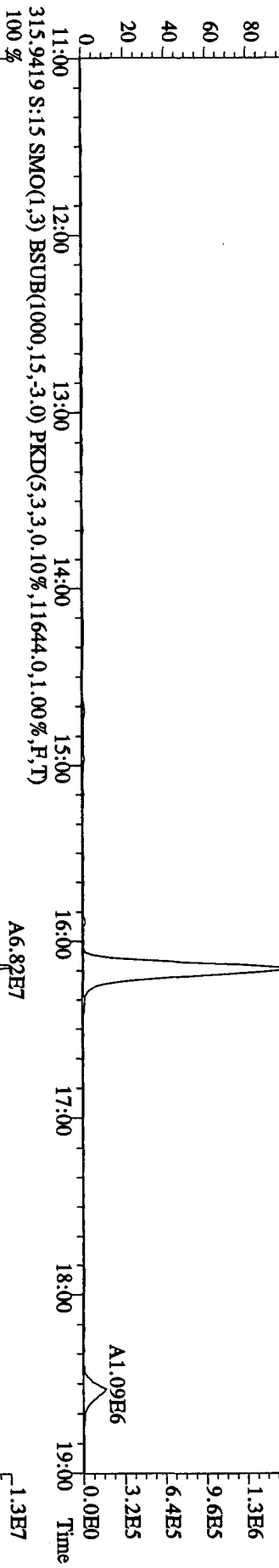
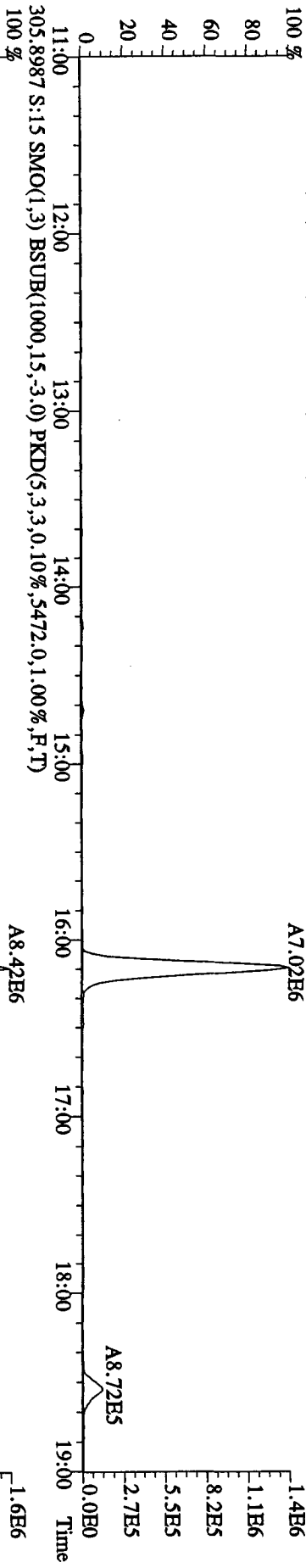


File:27AP105D2 #1-1242 Acq:27-APR-2010 12:40:04 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DB225
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,1364,0,1.00%,F,T)



File: 27AP105D2 #1-1242 Acq: 27-APR-2010 12:40:04 GC: EI+ Voltage: SIR 70SE
 Sample#3 Text: SB0427 : Solvent Blank C-14 Exp: DB225
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1272.0,1.00%,F,T)

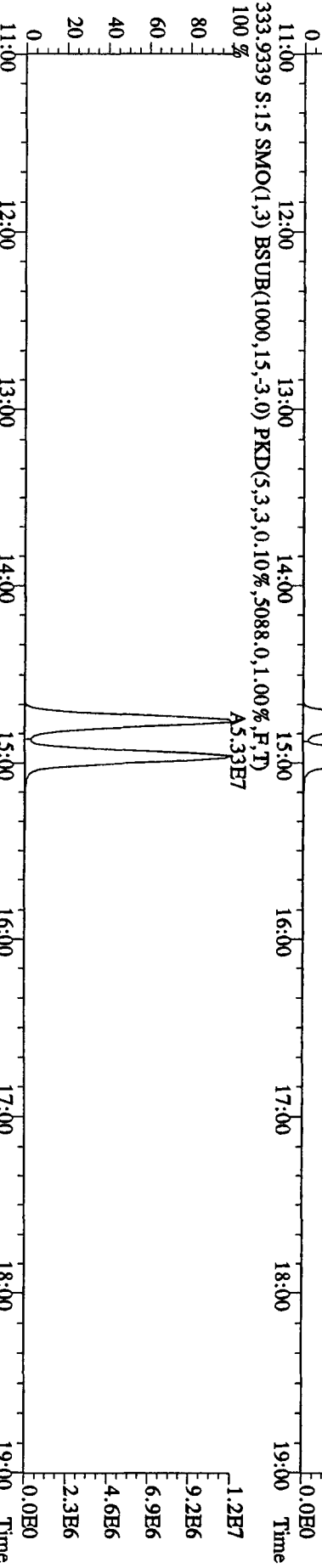
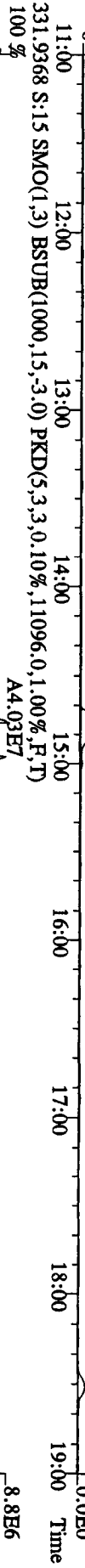
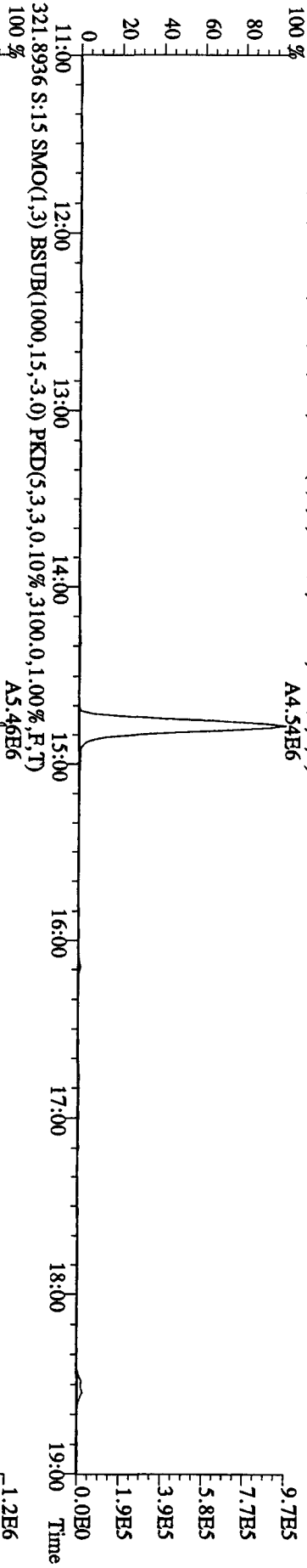




File: 27AP105D2 #1-1242 Acq: 27-APR-2010 20:04:43 GC EI+ Voltage SIR 70SE

Sample#15 Text: ST0427A :CS3 10DXN111 Exp: DB225

319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.2636,0,1.00%,F,T) 100% A4.54B6

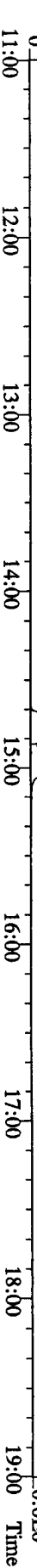
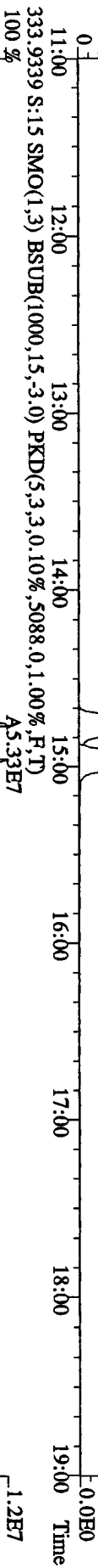
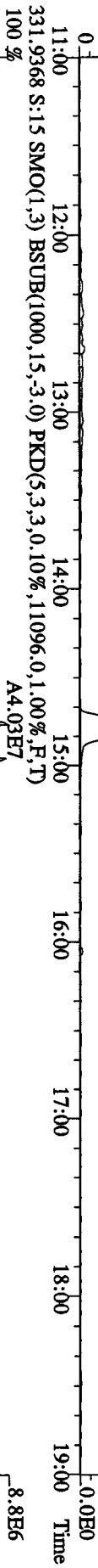
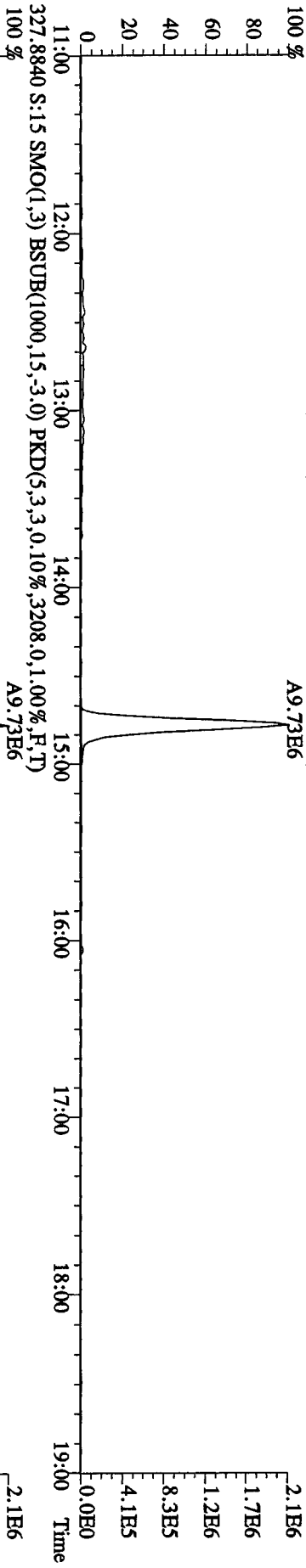


File:27AP105D2 #1-1242 Acq:27-APR-2010 20:04:43 GC:EI+ Voltage SIR 70SE

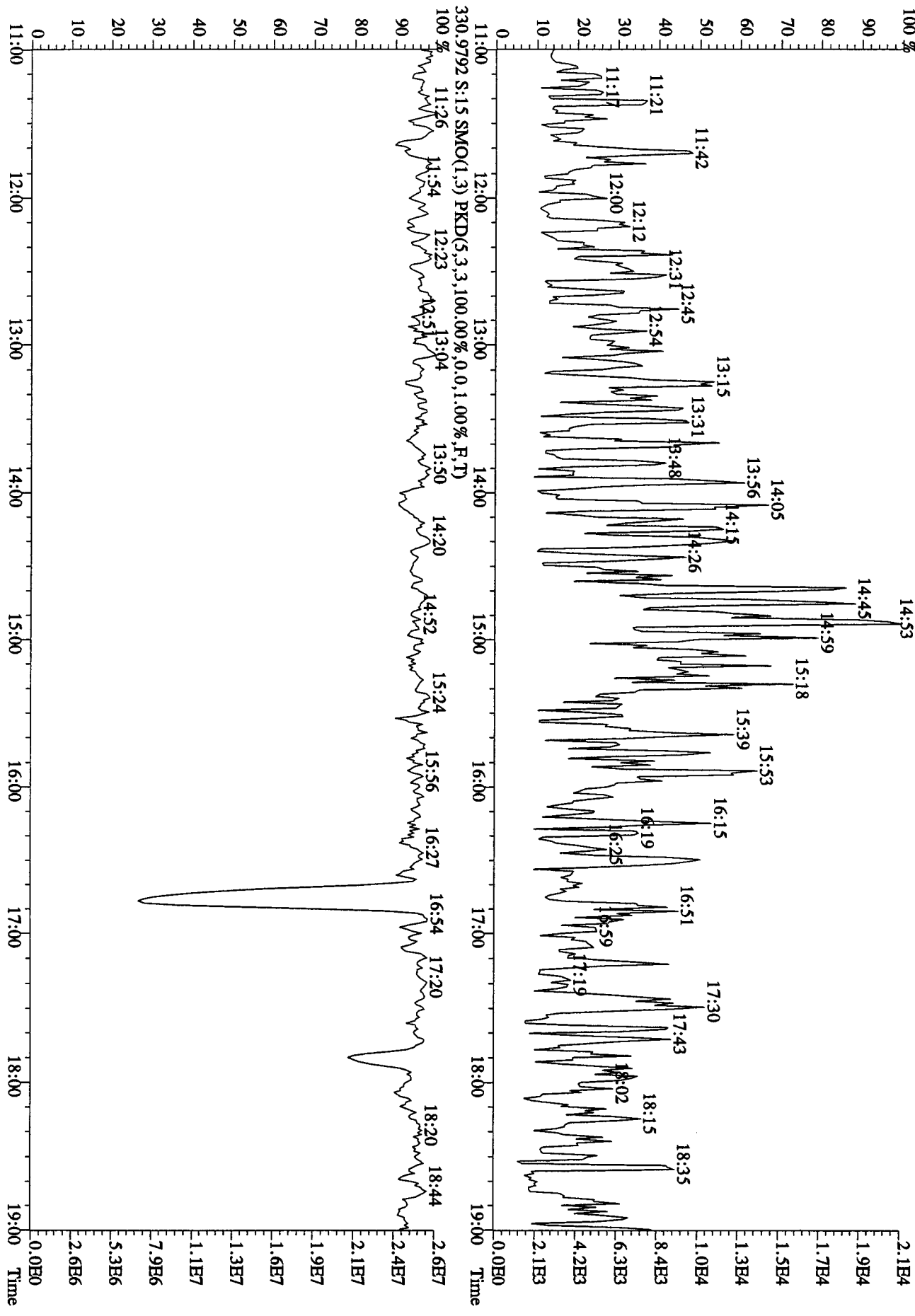
Sample#15 Text:ST0427A :CS3 10DXN111

Exp:DB225

327.8840 S:1.5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3208.0,1.00%,F,T) A9.73E6



File:27AB105D2 #1-1242 Acq:27-APR-2010 20:04:43 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST0427A :CS3 10DXN111 Exp:DB225
 375.8364 S:1.5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,100.00%,.5404,0,1.00%,F,T) 14:53



Daily Calibration Checklist Dioxin Methods

Method ID DB225 (8290)

Associated ICAL DB225042110SDZ

Column ID DB225

Instrument ID 5D2

STD ID ST0501A, ST0501B

STD Solution 10DYN111

Analyzed by AM, MED

Date Analyzed 5/1/10, 5/2/10

Std. Pkg. By MCW

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 \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: 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
37C1-2,3,7,8-TCDD	18482680	1.00 y	14:51	2.26	10.00	-0.6	n

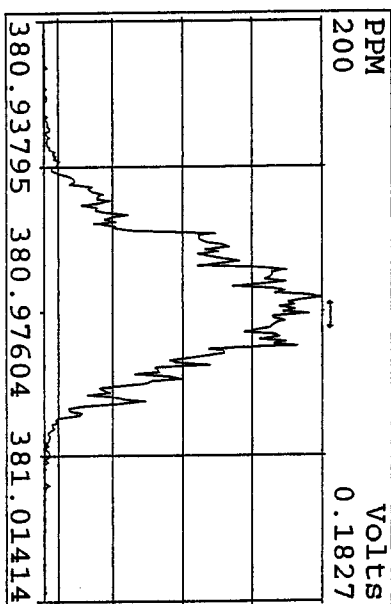
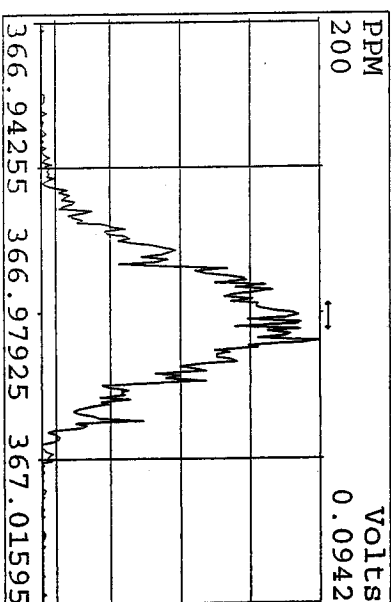
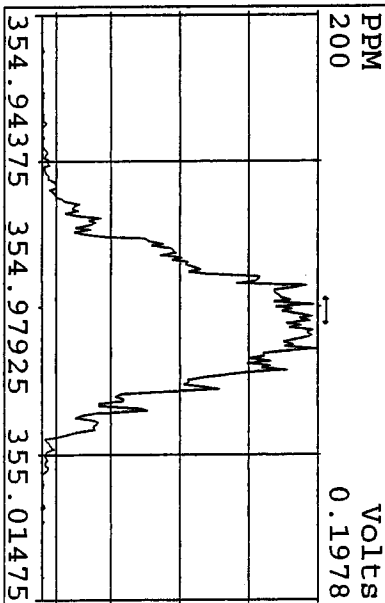
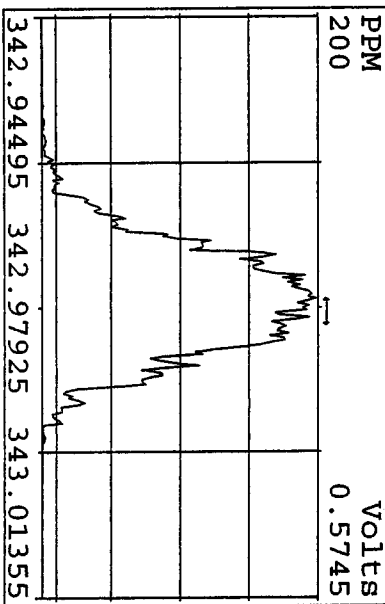
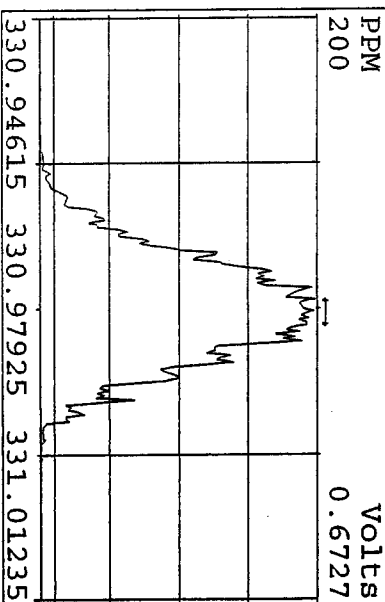
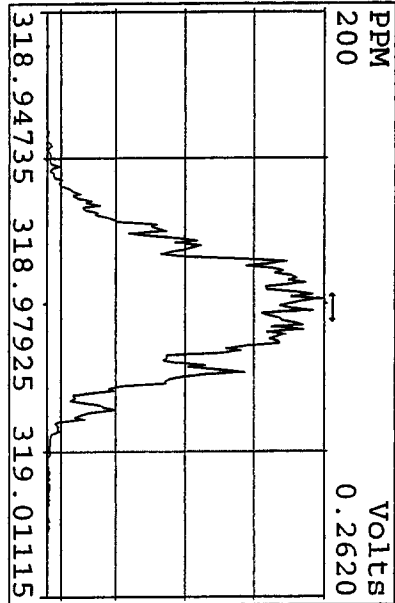
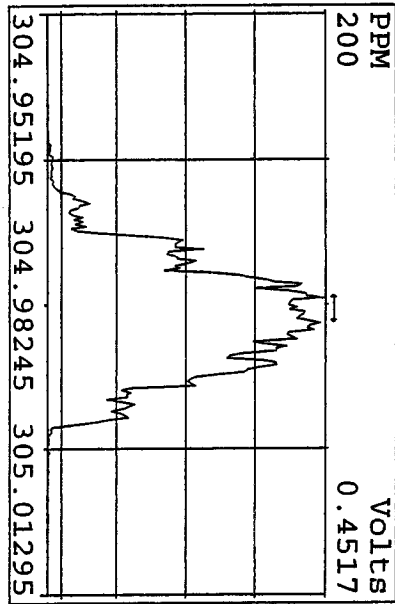
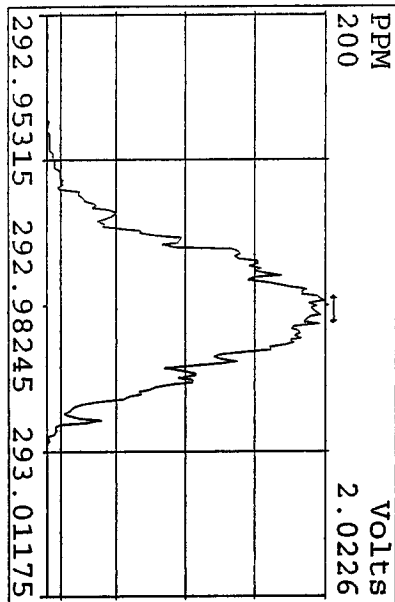
Run text: ST0501B File text: ST0501B :CS3 10DXN111
Run #22 Filename 01MY10A5D2 S: 20 I: 1
Acquired: 2-MAY-10 07:23:29 Processed: 3-MAY-10 09:39:06
Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 01MY10A5D2DB225

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

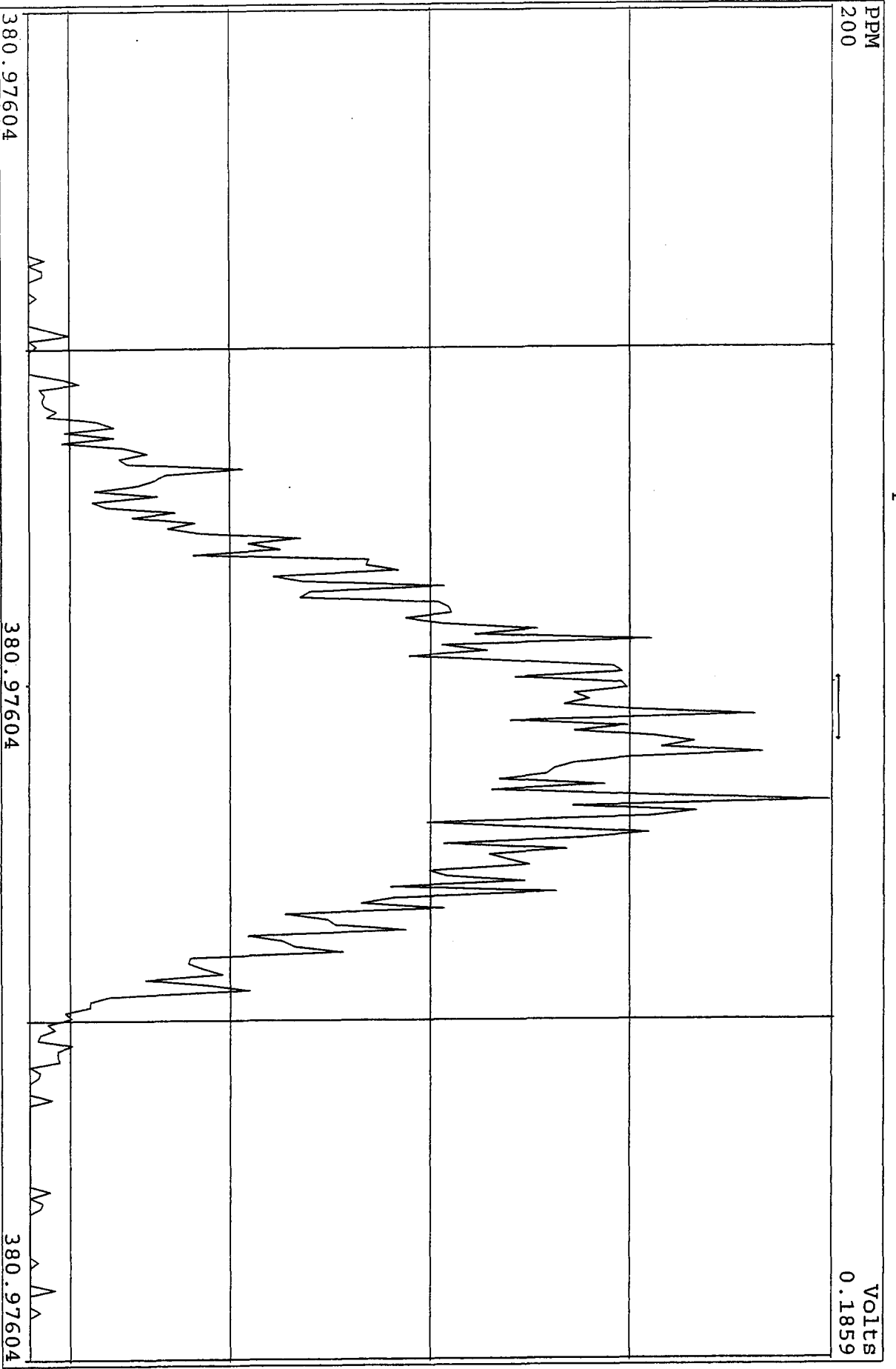
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
01MY10A5D2	1	ST0501A	/ CS3 10DXN111				1.000	
01MY10A5D2	2	CP0501A	DB-225 CPSM 3732-06				1.000	
01MY10A5D2	3	SB0501A	Solvent Blank C-14				1.000	
01MY10A5D2	4	LXR84-1-AE	G0D100461-26	10	8290/SOLID	73	10.030 g	
01MY10A5D2	5	LX3AJ-1-AD	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*

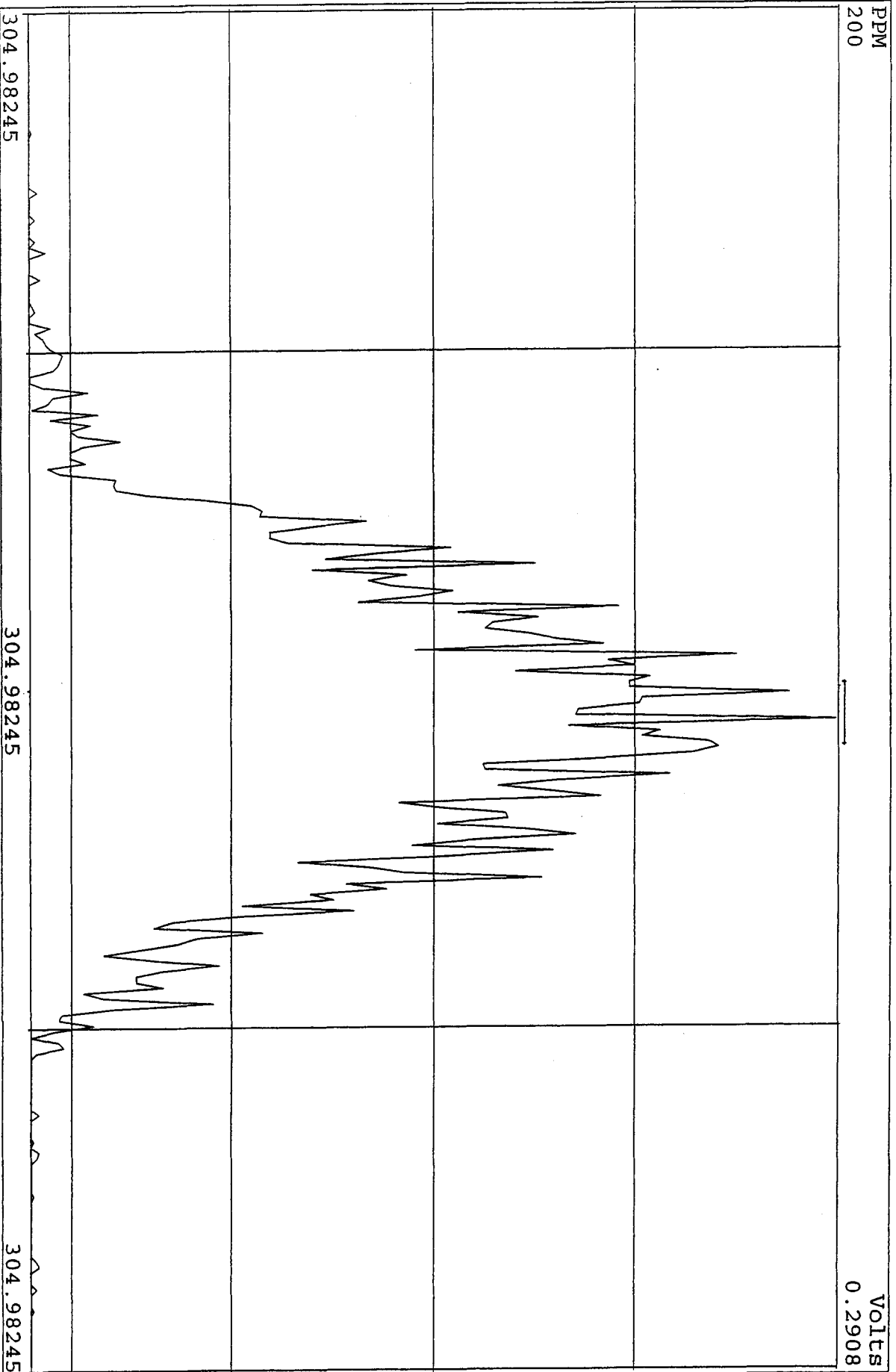
Peak Locate Examination: 1-MAY-2010:19:35 File:01MY10A5D2
 Experiment:DB25RES Function:1 Reference:PFK



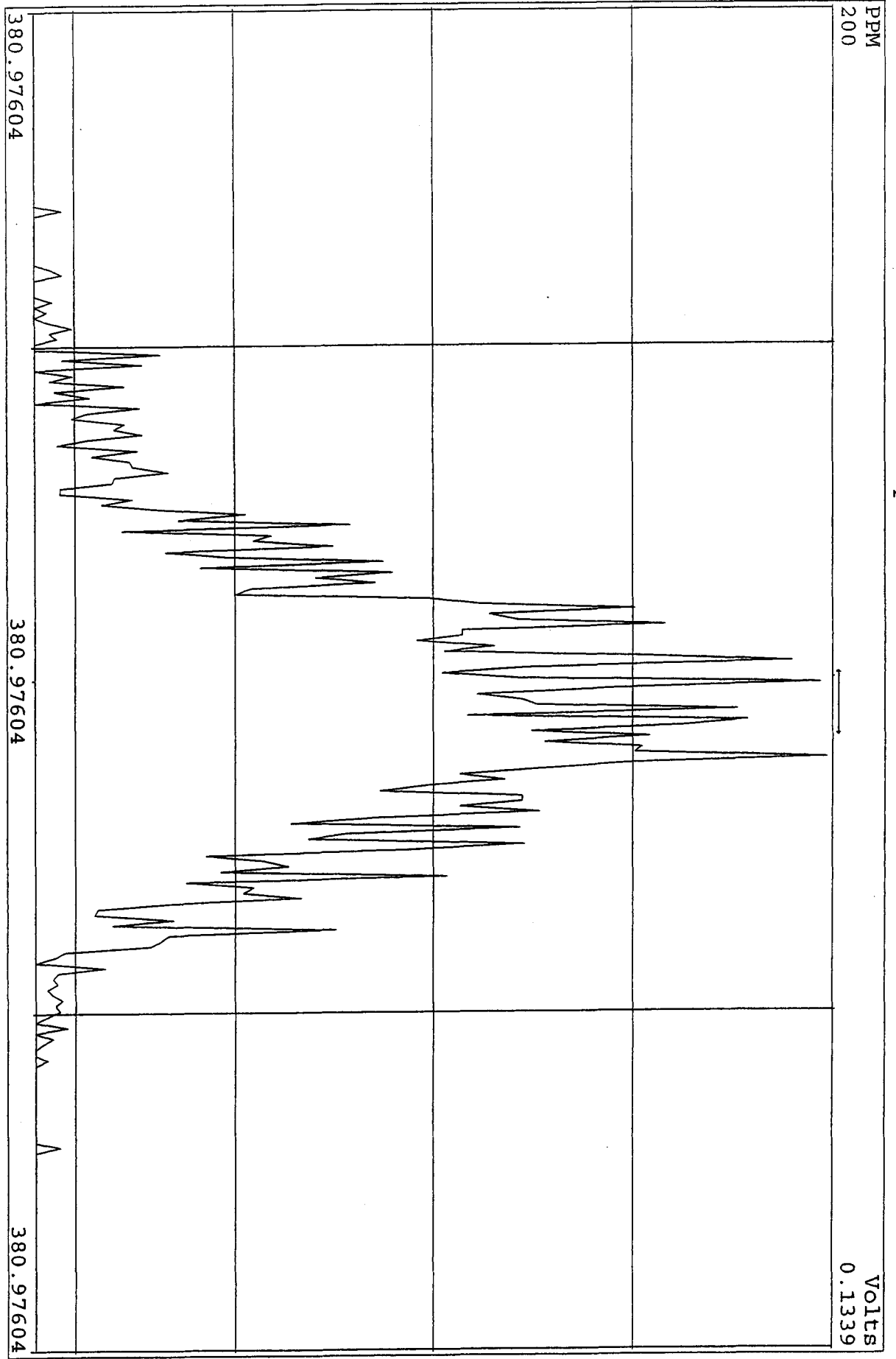
SIRLM Examination: 1-MAY-2010:23:09 File:01MY10A5D2
Experiment:DB225RFS Function:2



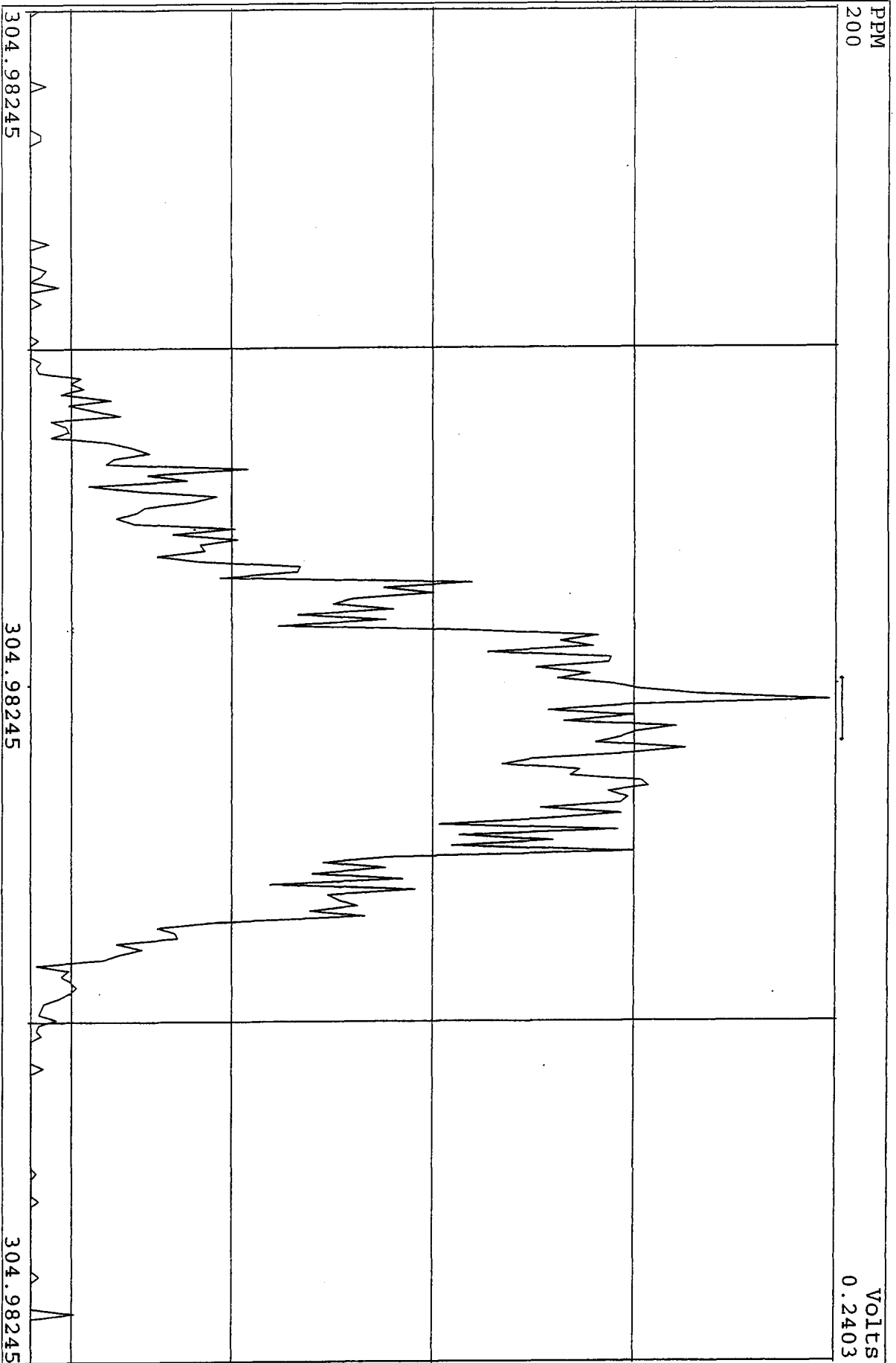
SIRLM Examination: 1-MAY-2010:23:11 File:01MY10A5D2
Experiment:DB225RES Function:3



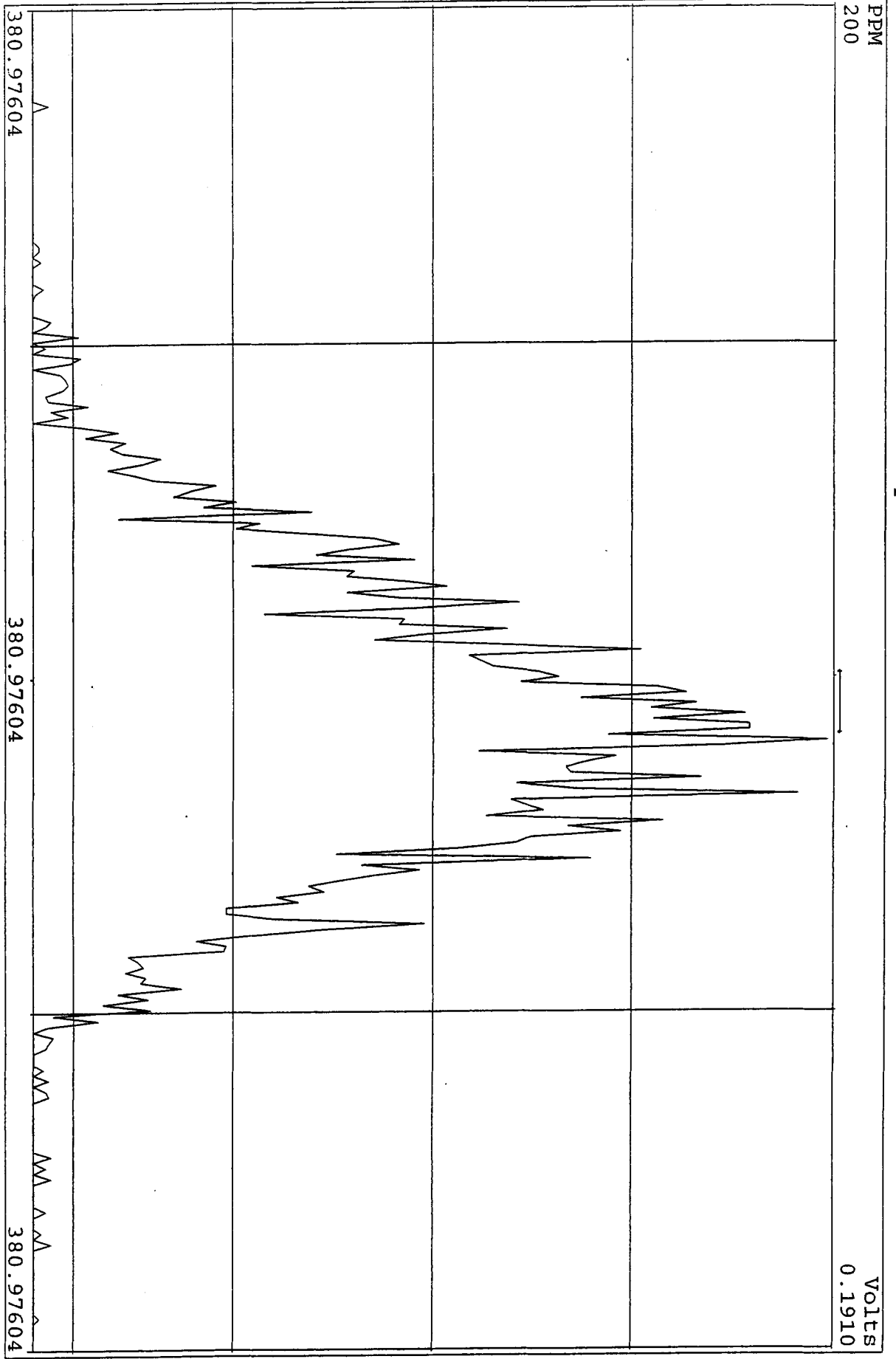
SIRIM Examination: 2-MAY-2010: 07:48 File: 01MY10A5D2
Experiment: DB225RES Function: 2



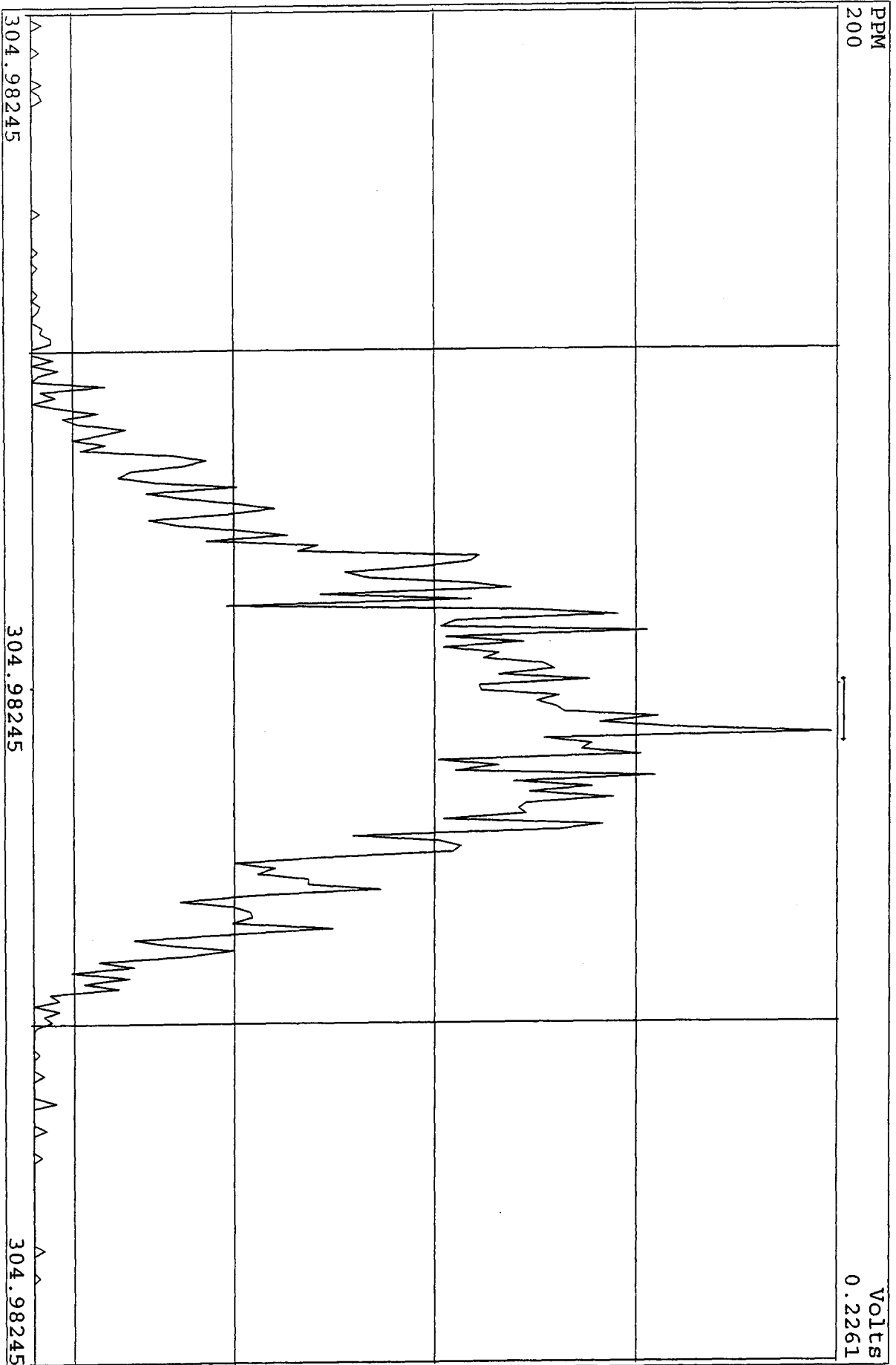
SIRLM Examination: 2-MAY-2010: 07:50 File: 01MY10A5D2
Experiment: DB225RES Function: 3



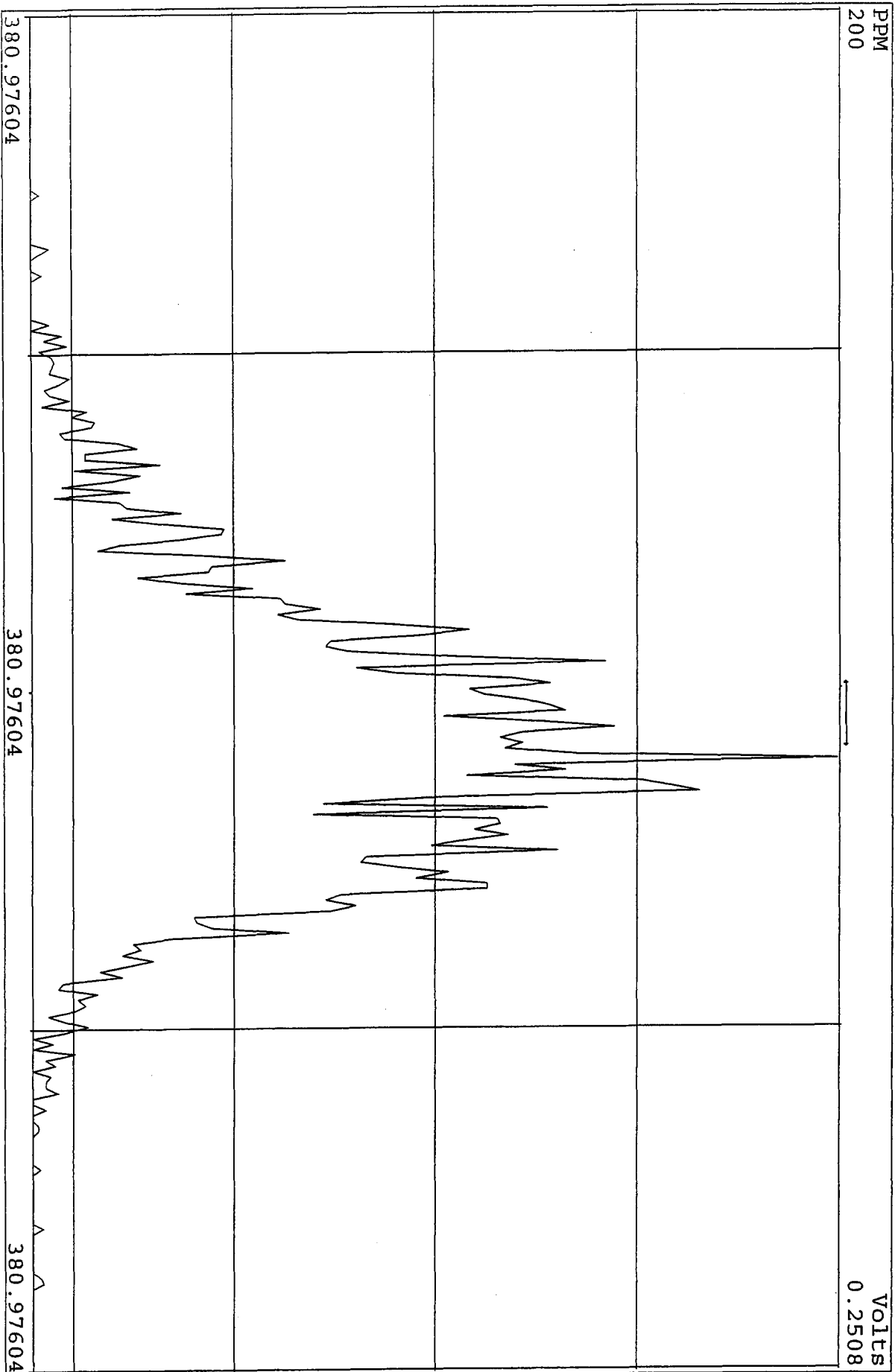
SIRLM Examination: 2-MAY-2010:11:31 File:01MY10A5D2
Experiment:DB225RES Function:2



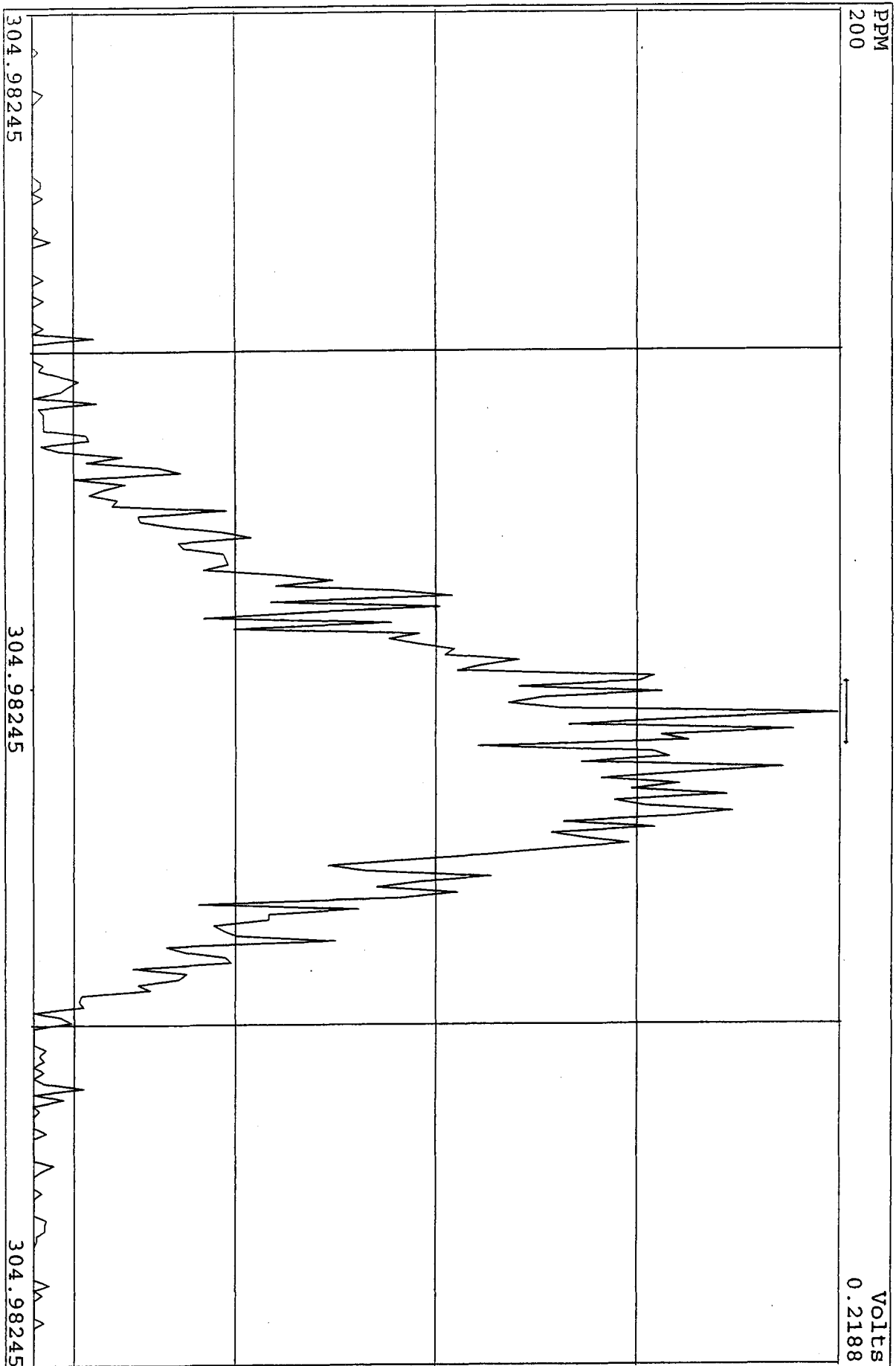
SIRLM Examination: 2-MAY-2010:11:33 File: 01MY10A5D2
Experiment: DB225RES Function: 3



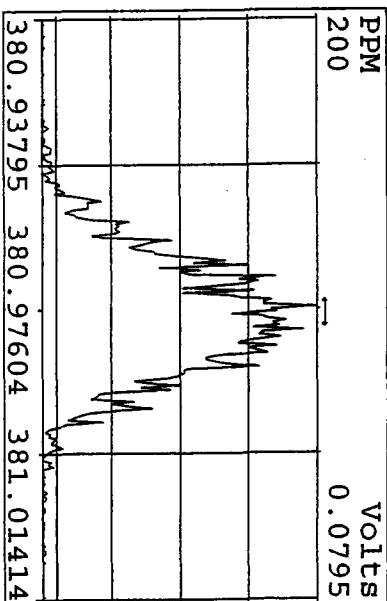
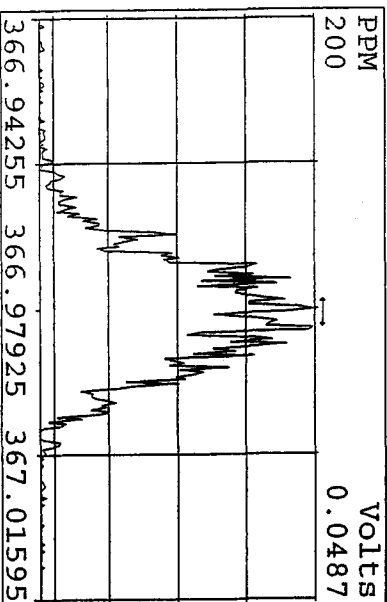
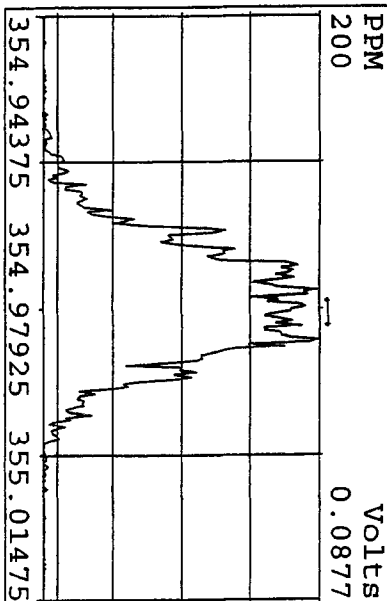
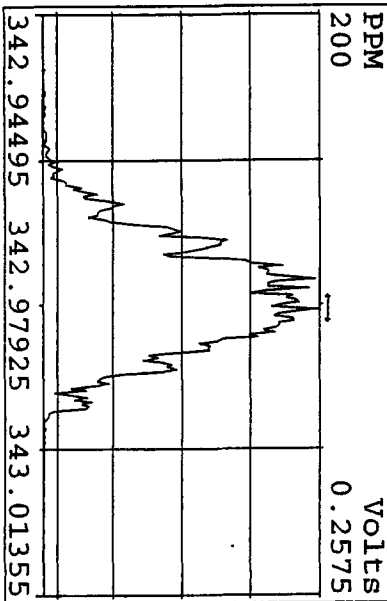
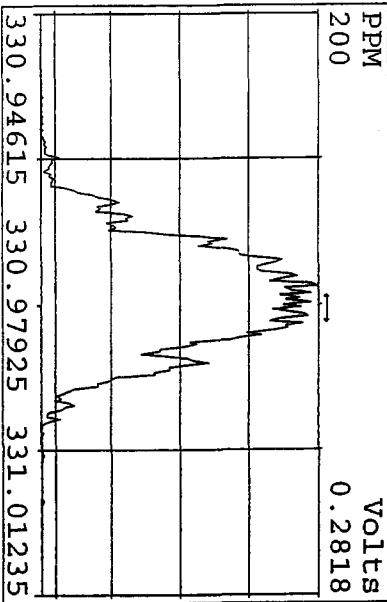
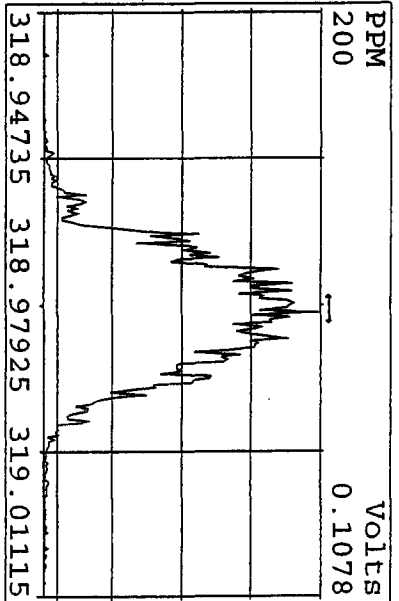
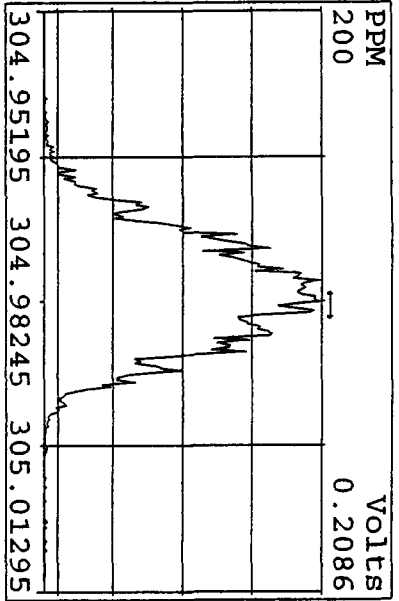
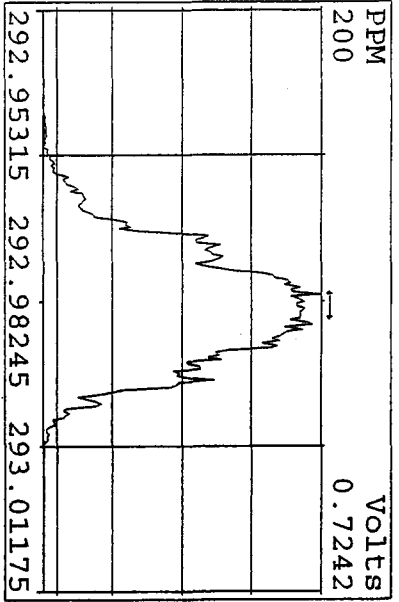
SIRLM Examination: 2-MAY-2010:17:05 File:01MY10A5D2
Experiment:DB225RES Function:2



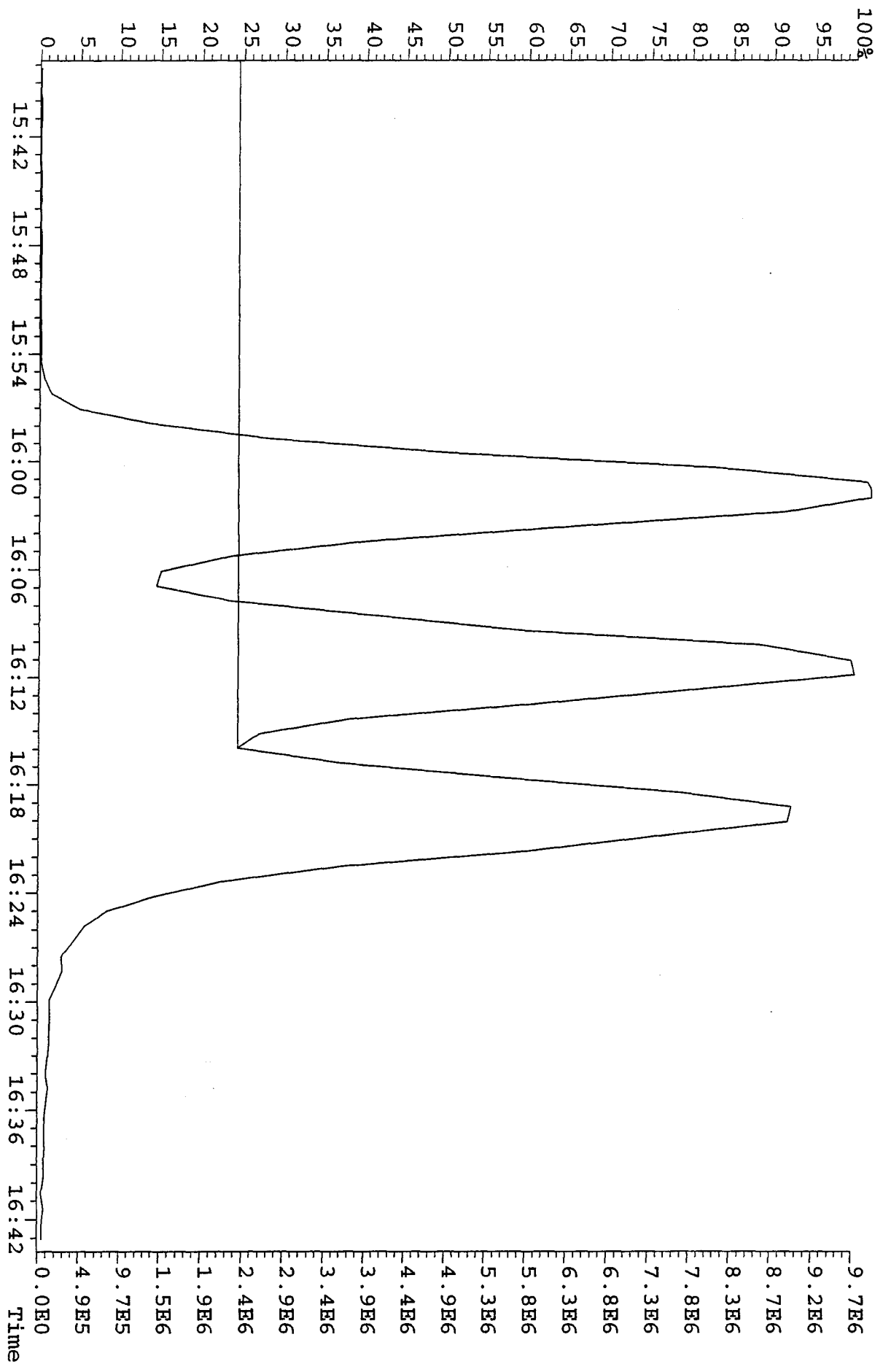
SIRIM Examination: 2-MAY-2010:17:07 File:01MY10A5D2
Experiment:DB225RES Function:3



Peak Locate Examination: 2-MAY-2010:21:09 File:01MY10A5D2ENDRES
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: DB225RES
 Sample Text: CP0501A : DB-225 CPSM 3732-06

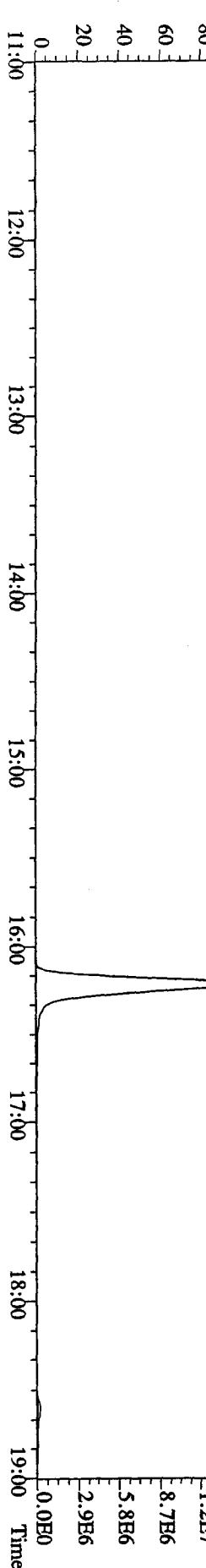
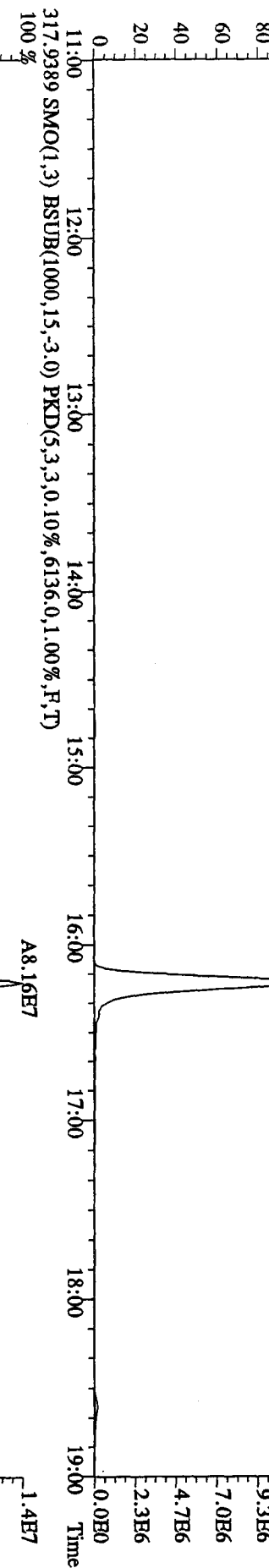
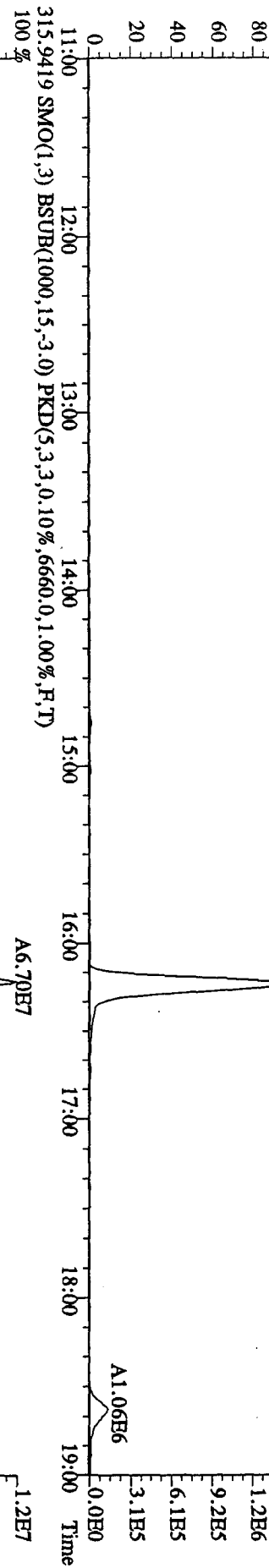
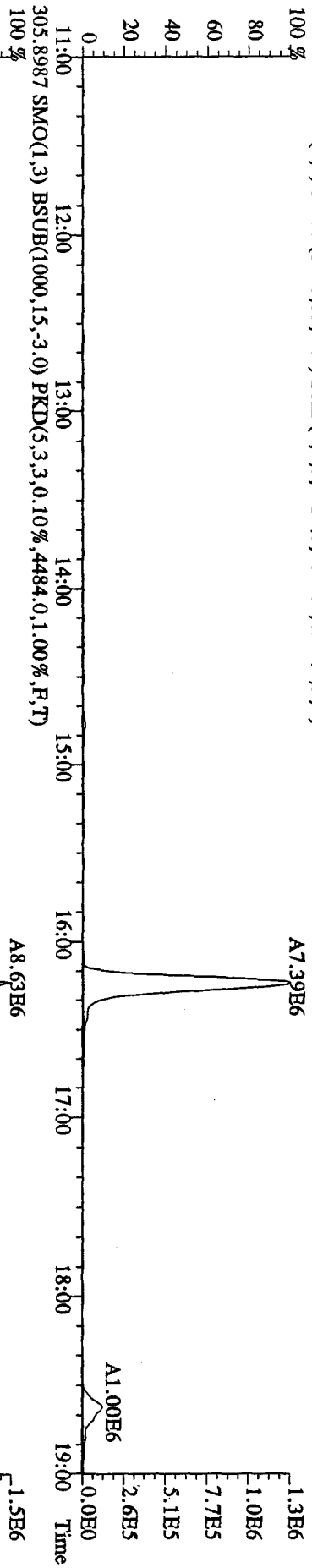


Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2

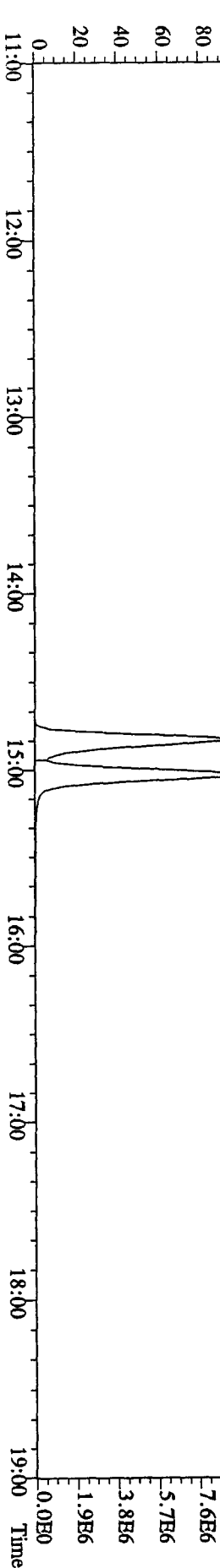
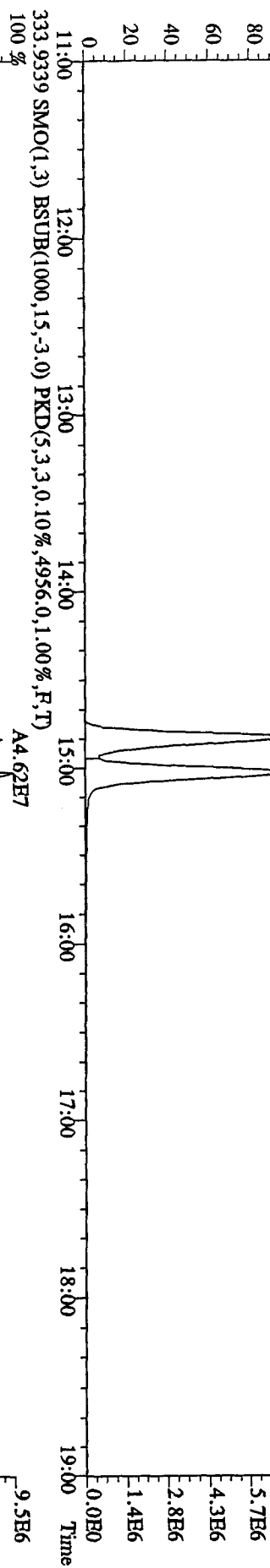
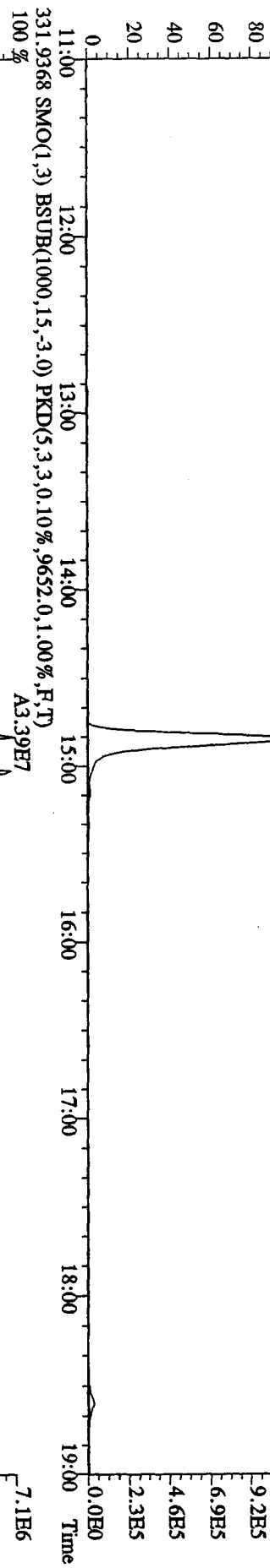
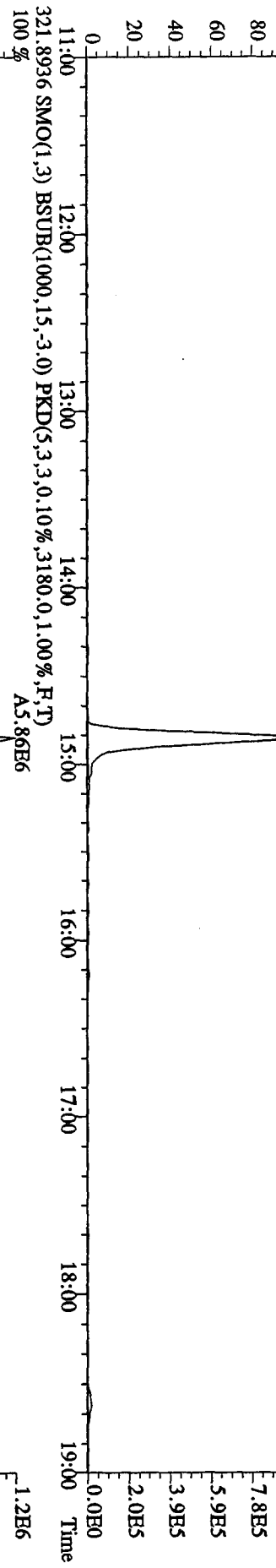
ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
 ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

Name	Mean	S. D.	%RSD	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

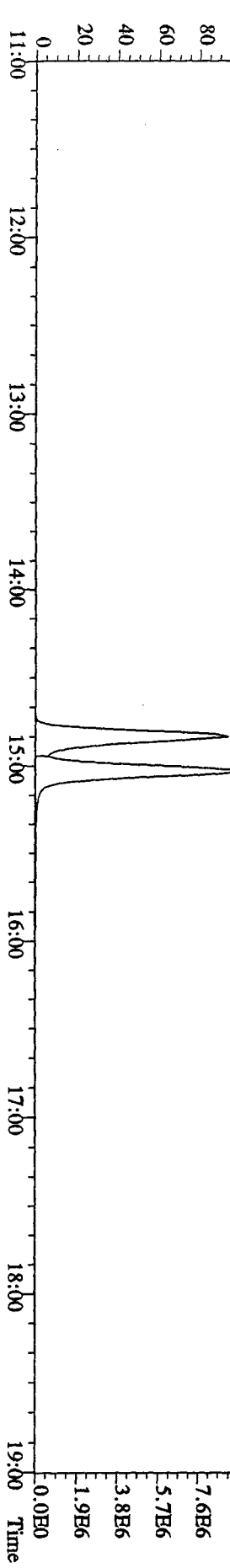
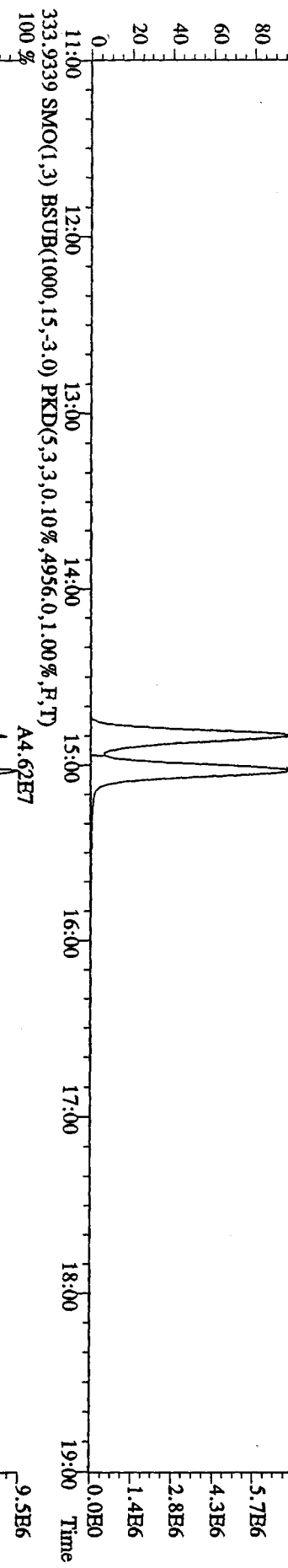
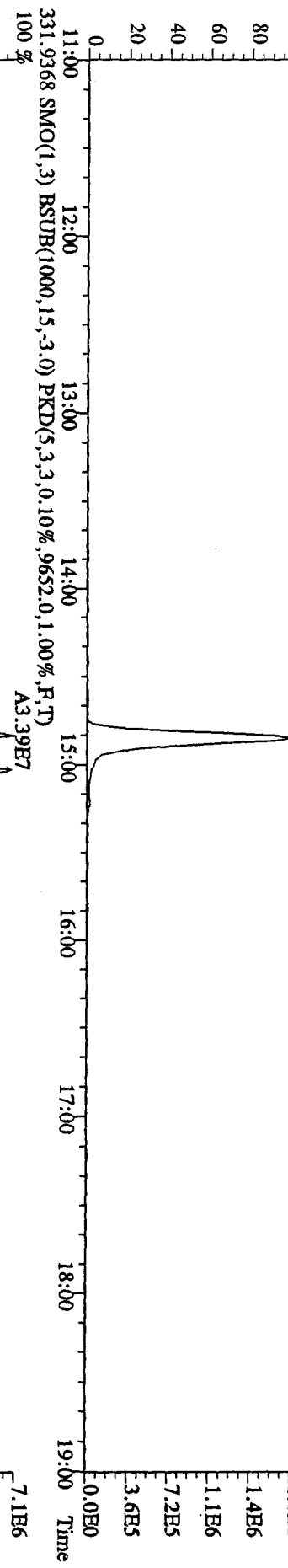
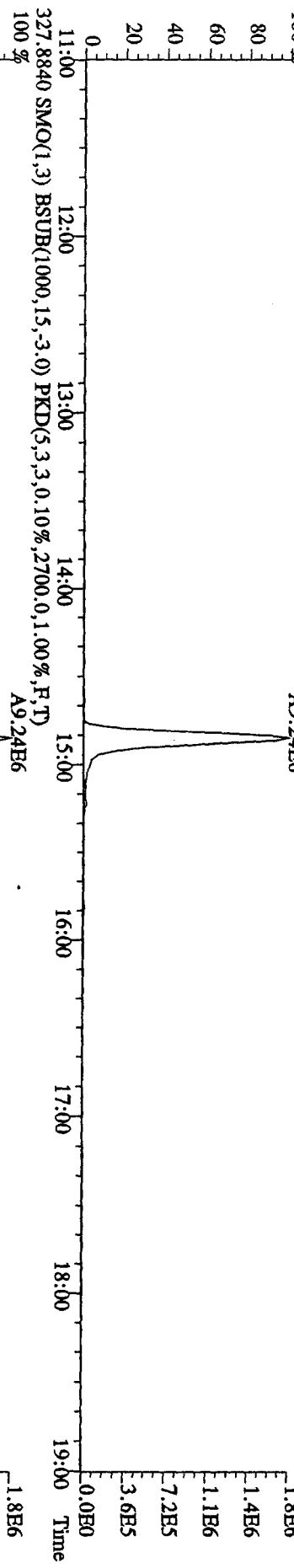
File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC HI+ Voltage SIR 70SE
 Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3056,0,1.00%,F,T)
 100%



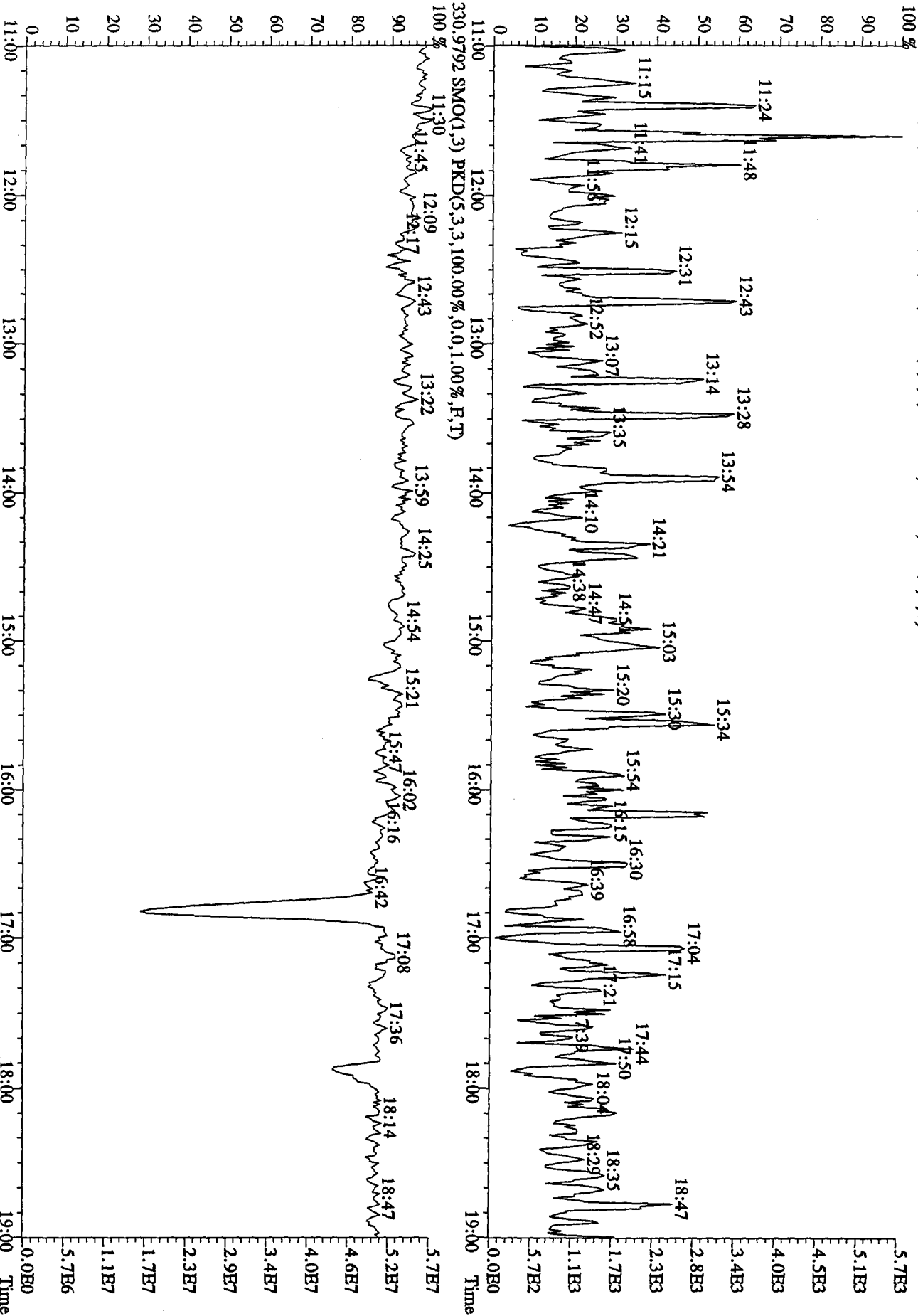
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
 319.8965 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2356.0,1.00%,F,T)
 A4.83E6



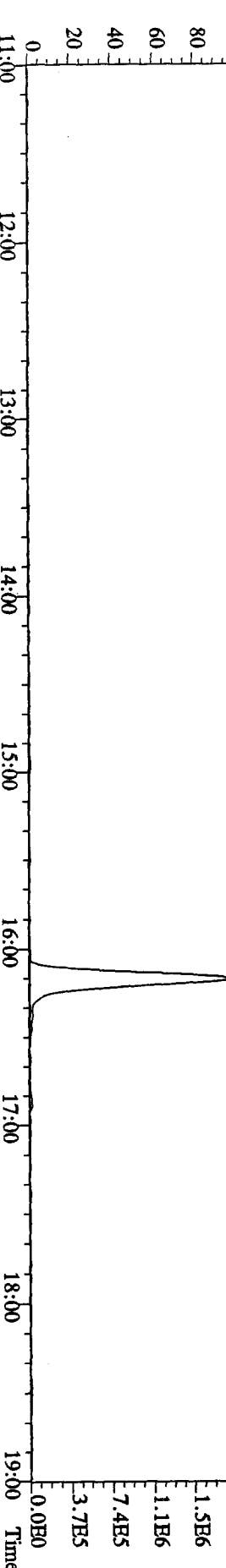
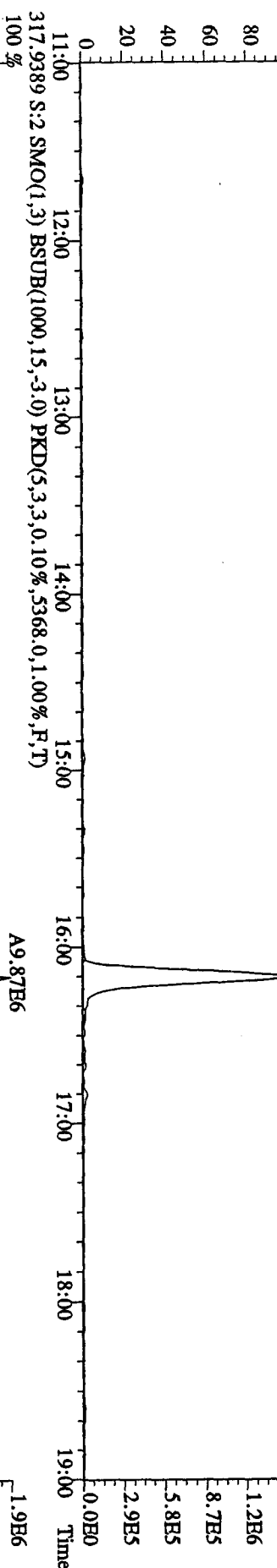
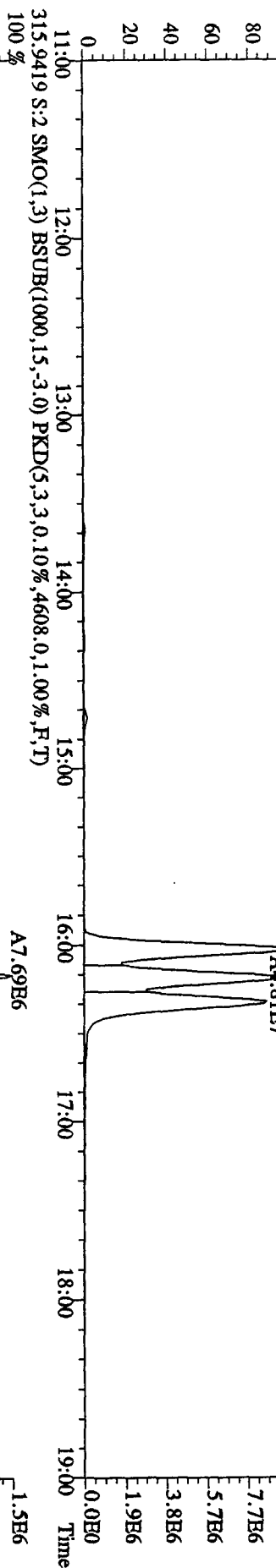
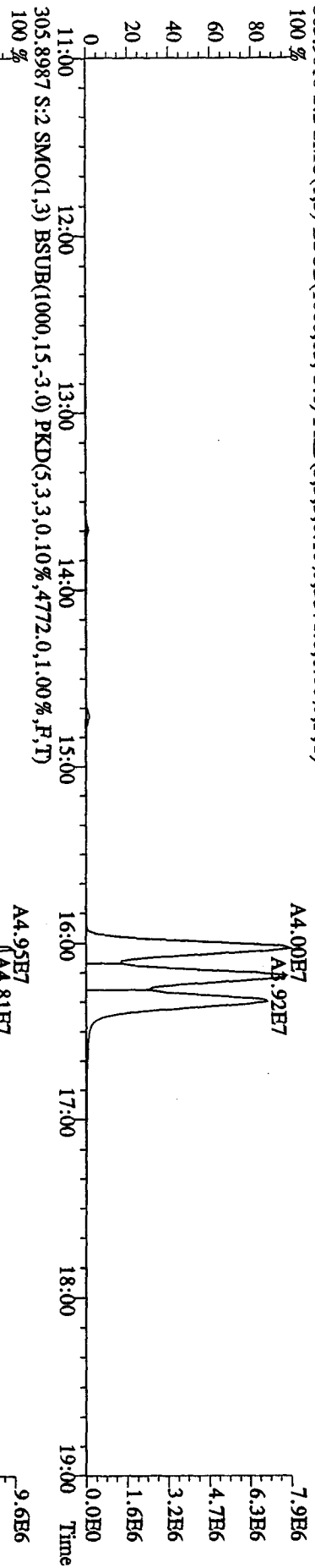
File:01MVT10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
 327.8840 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2700,0,1,00%,F,T)
 100 % A9.24B6



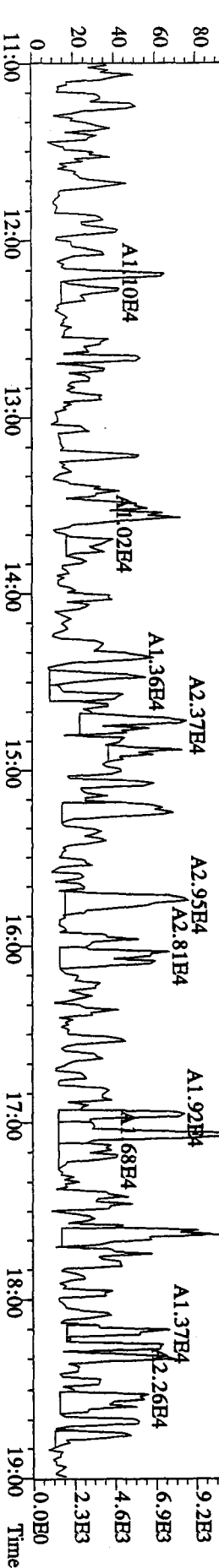
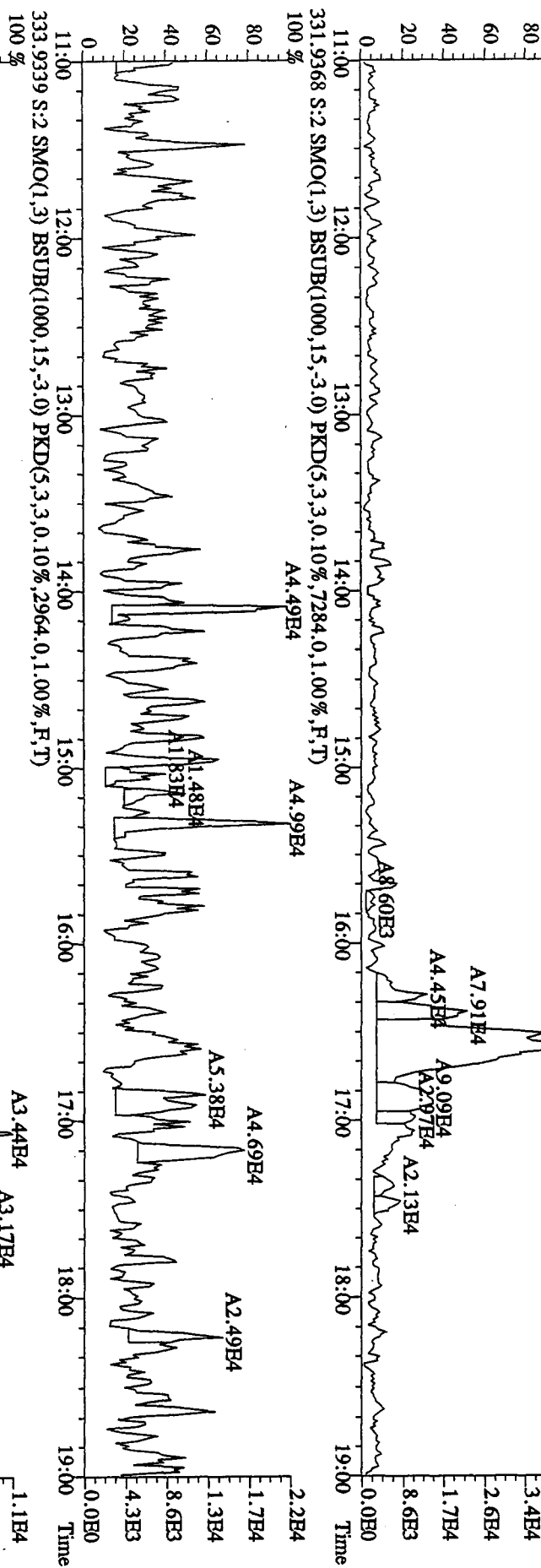
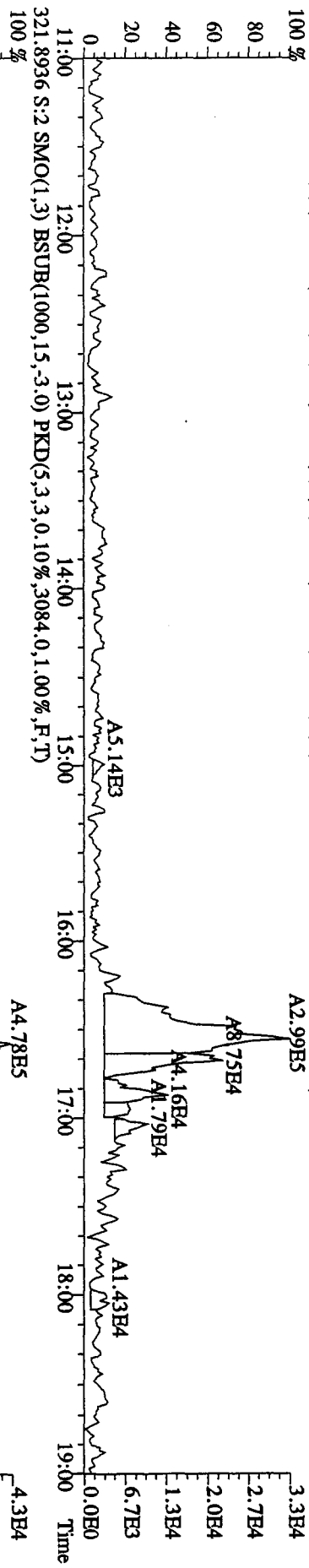
File:01MAY10ASD2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC BI+ Voltage SIR 70SE
 Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
 375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1.00%,F,T)



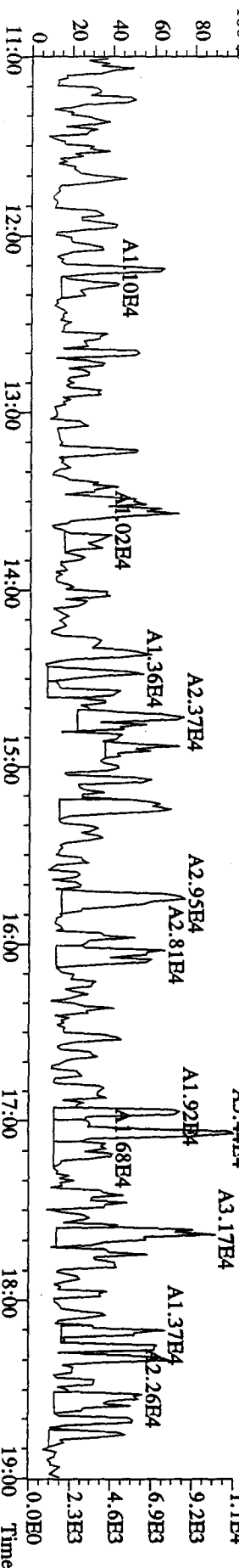
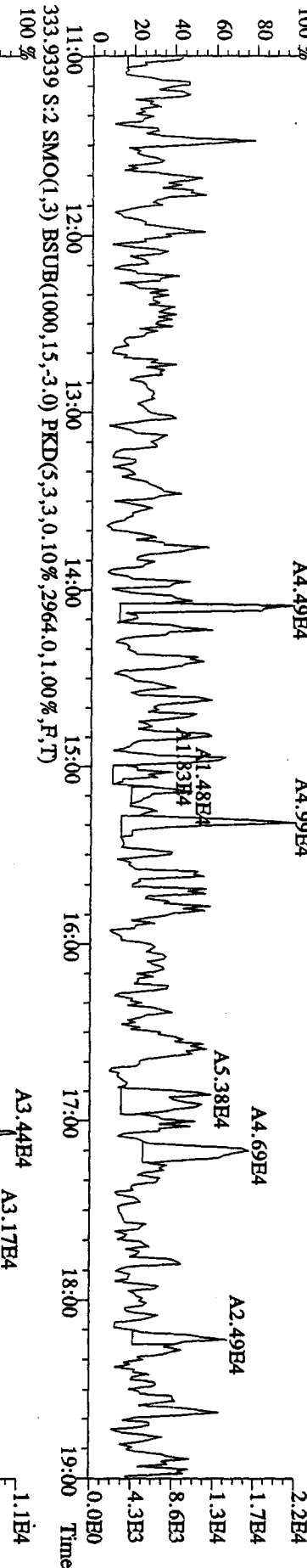
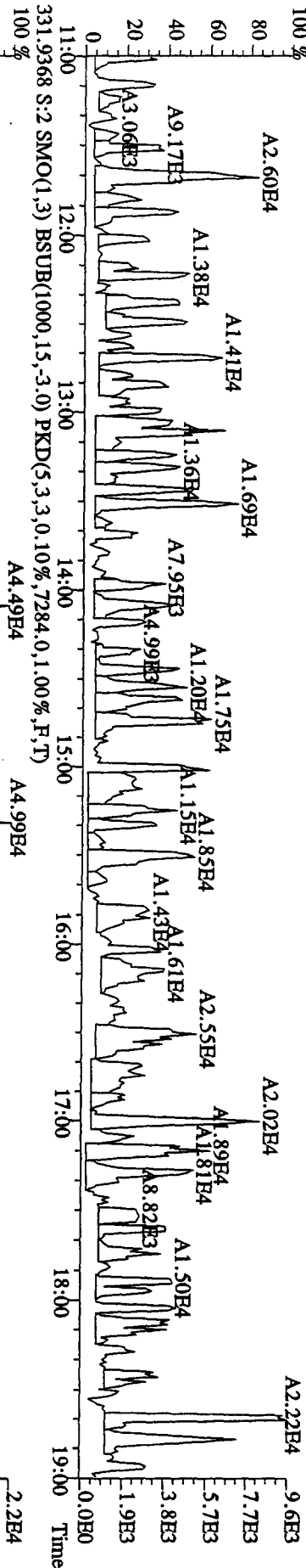
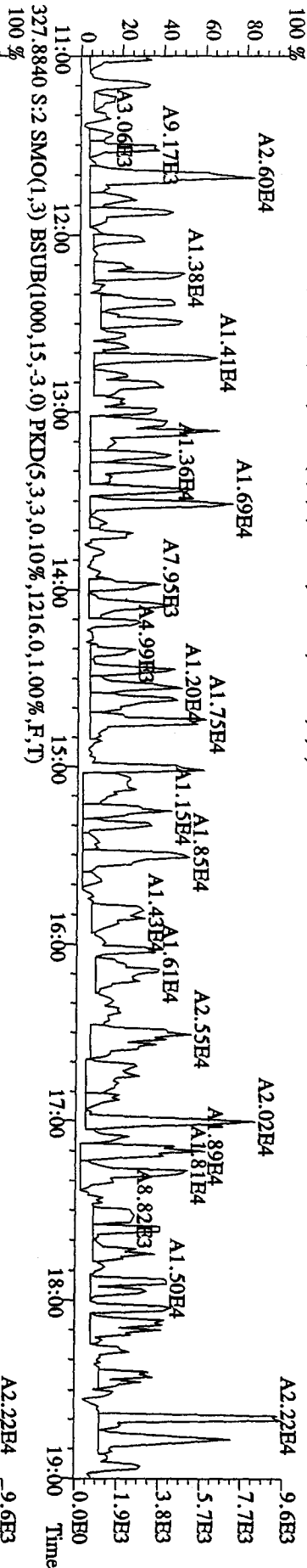
File:01MAY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CPM 3732-06 Exp:DB225RES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3576,0,1.00%,F,T)
 100%



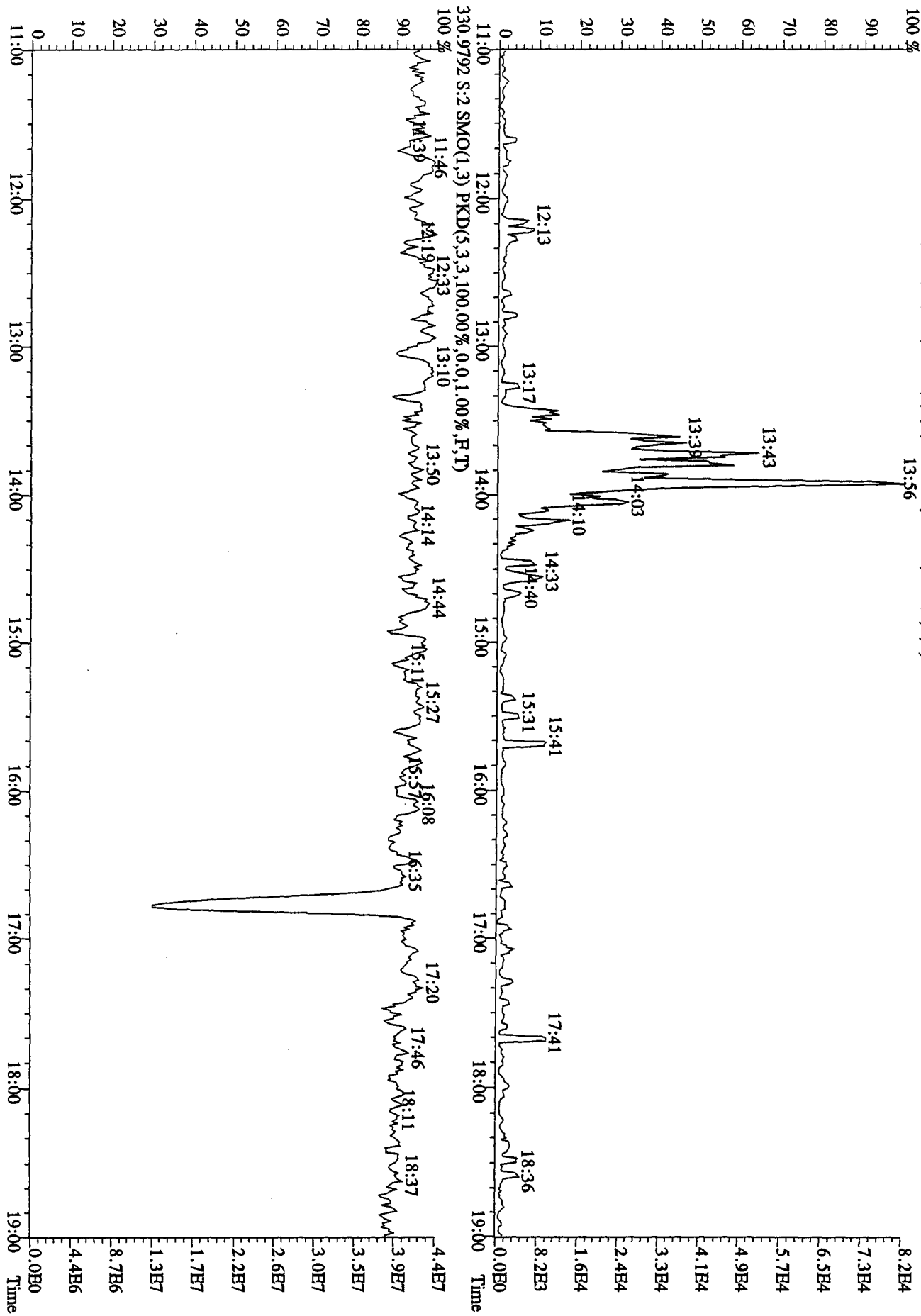
File:01MAY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC BI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CPM 3732-06 Exp:DB225RBS
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)
 100 %



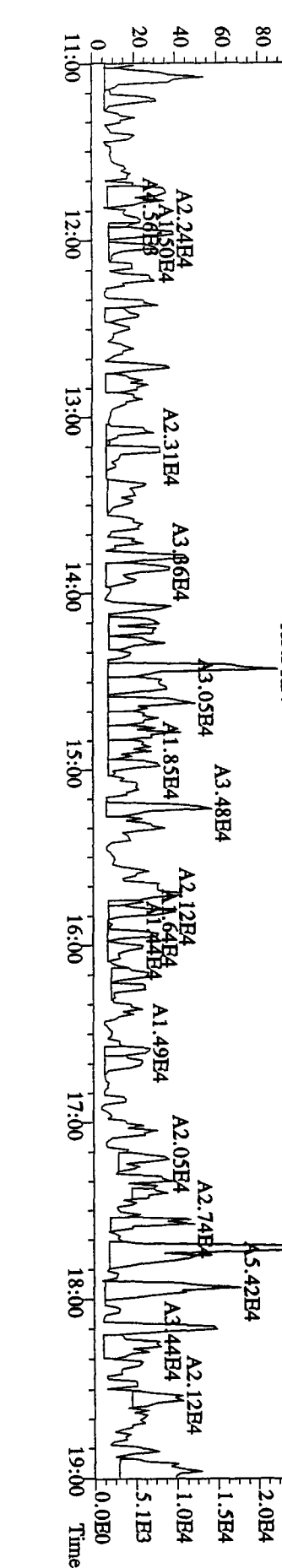
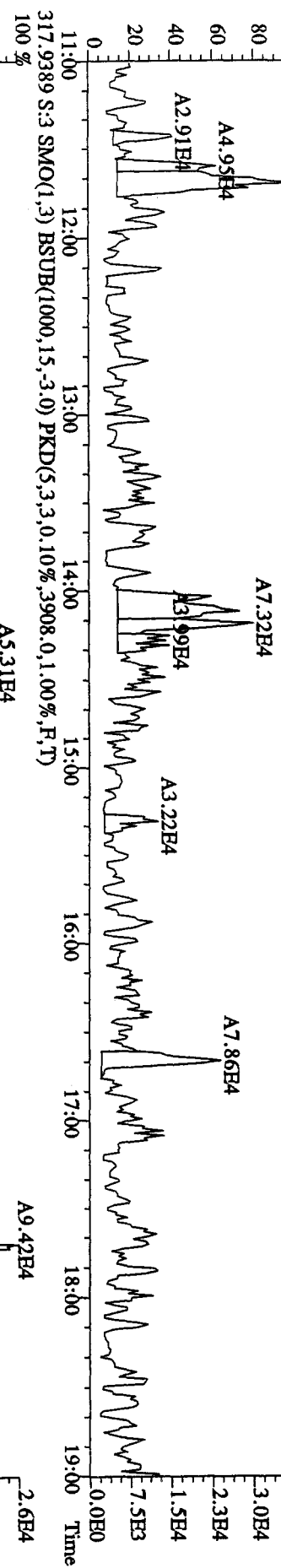
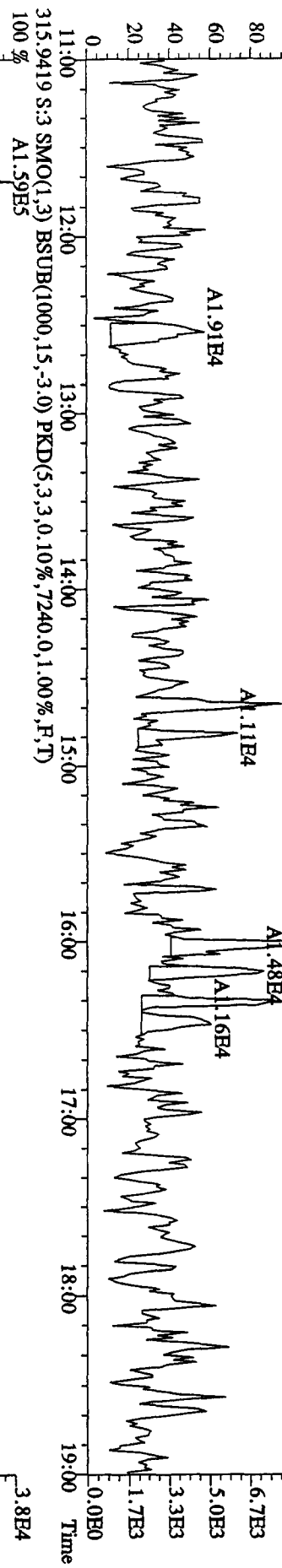
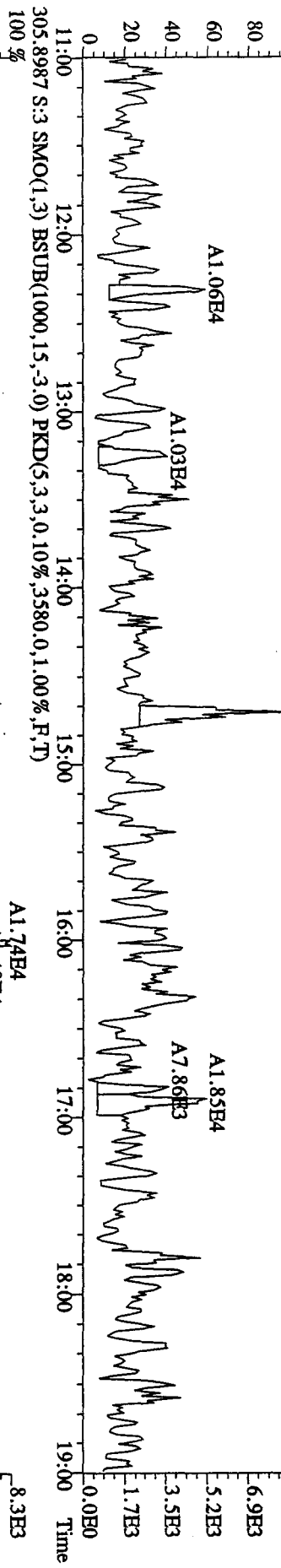
File:01MAY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC FI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CPSM 3732-06 Exp:DB225RHS
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1216,0,1,00%,F,T)



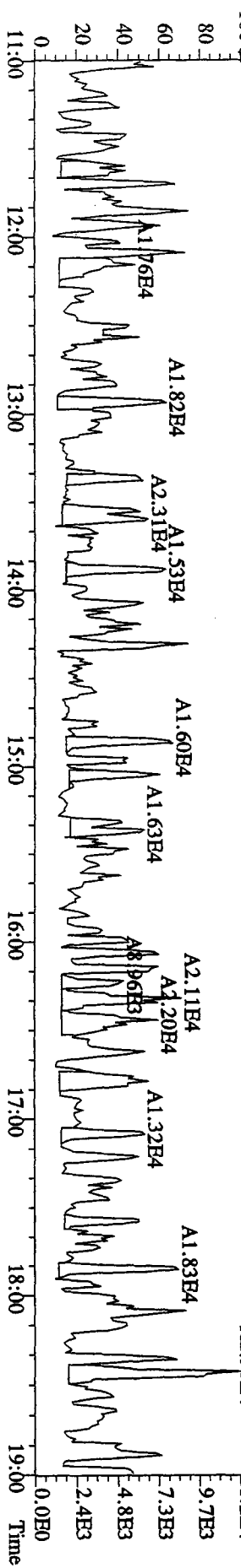
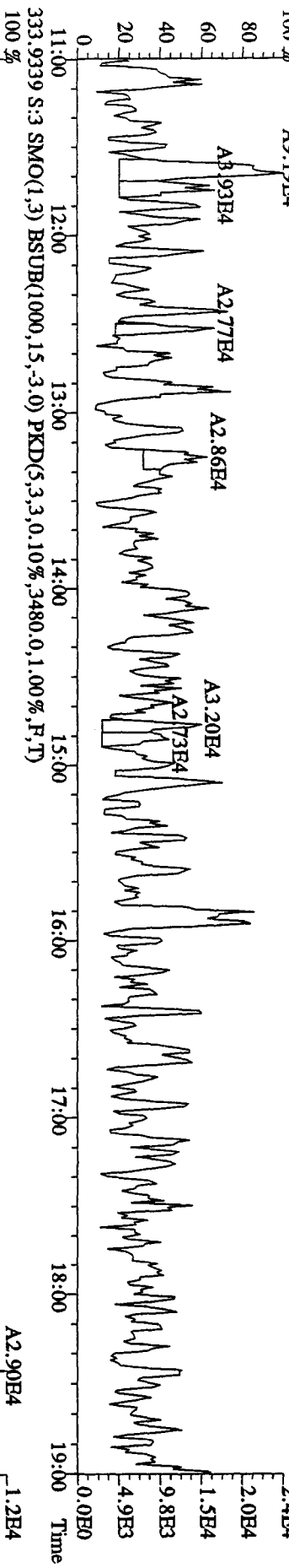
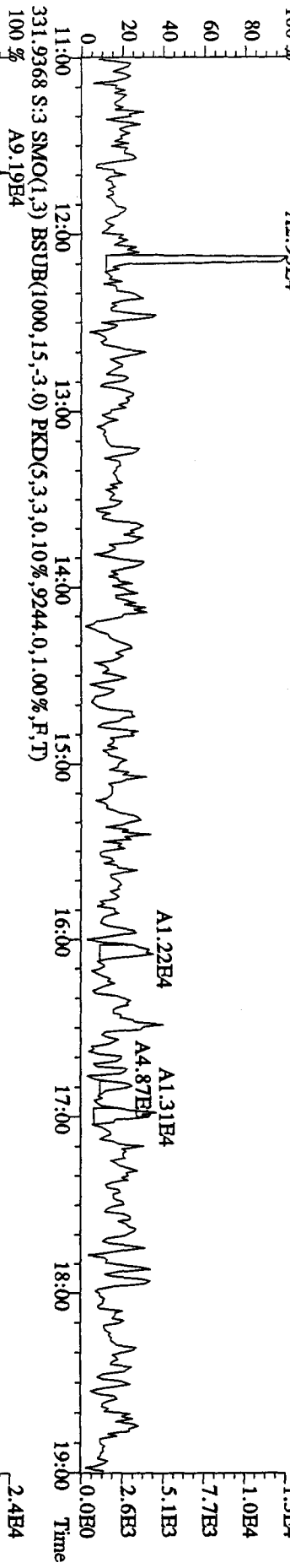
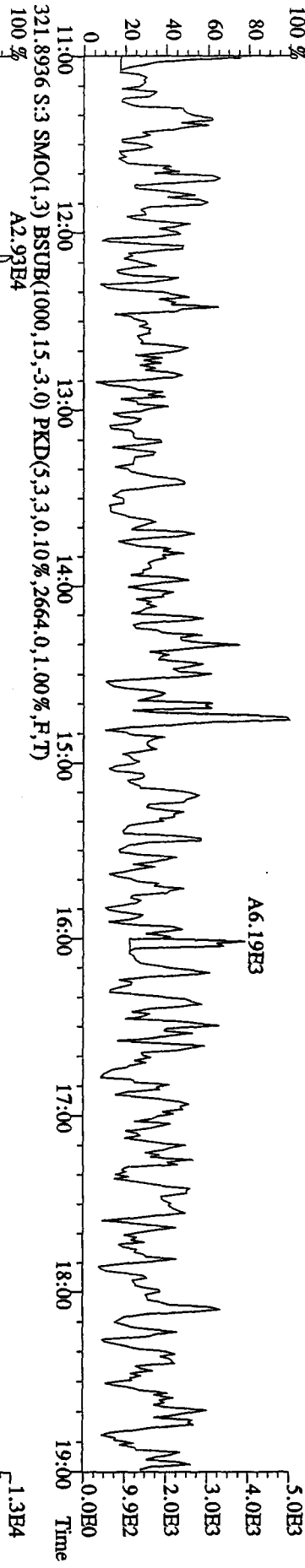
File:01MAY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CPM 3732-06 Exp:DB225RBS
 375.8364 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1.428,0.1,1.00%,F,T)
 100 %



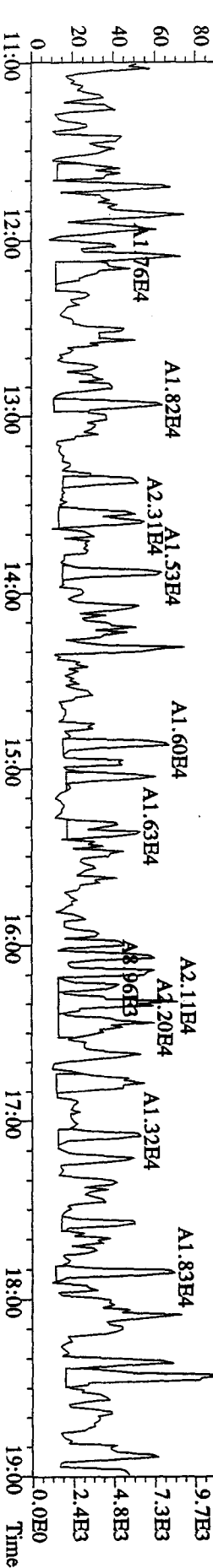
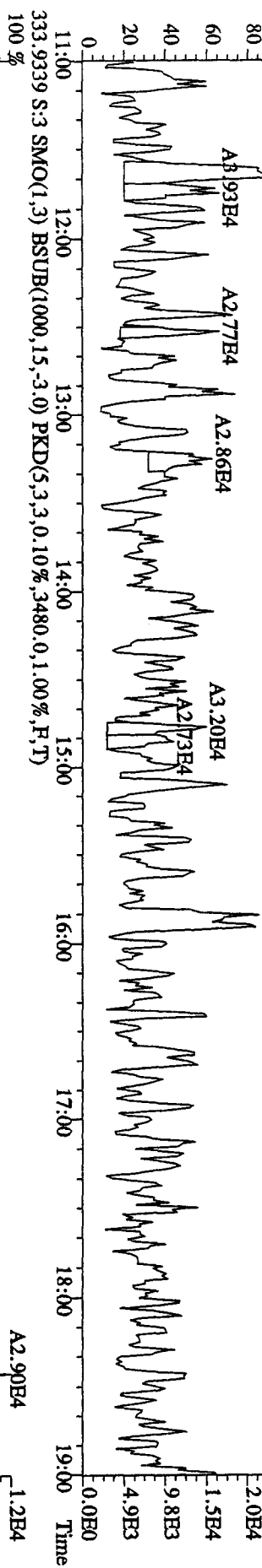
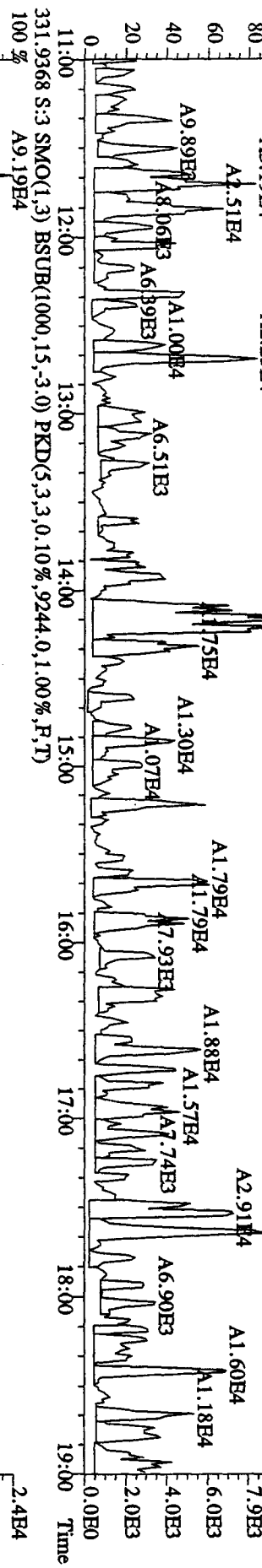
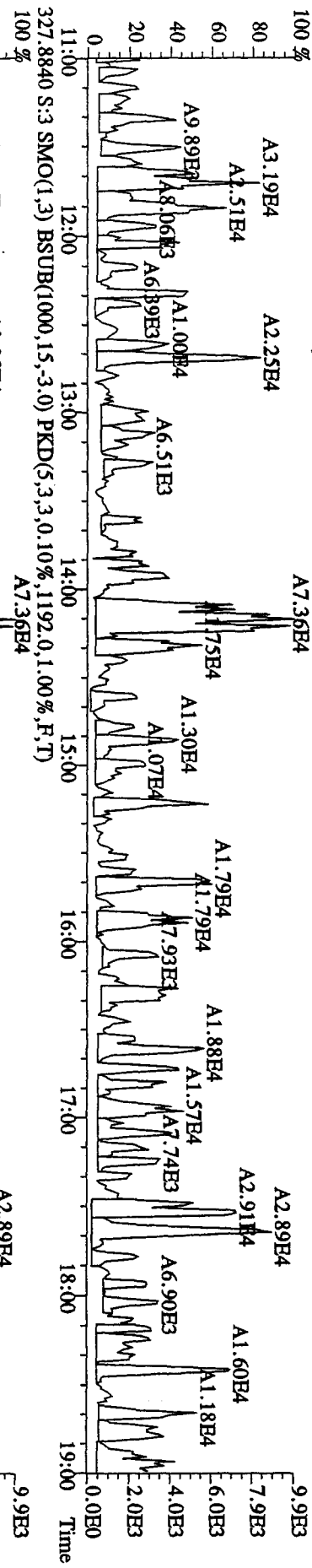
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB25RES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2472.0,1.00%,F,T)
 100 % A1.81E4



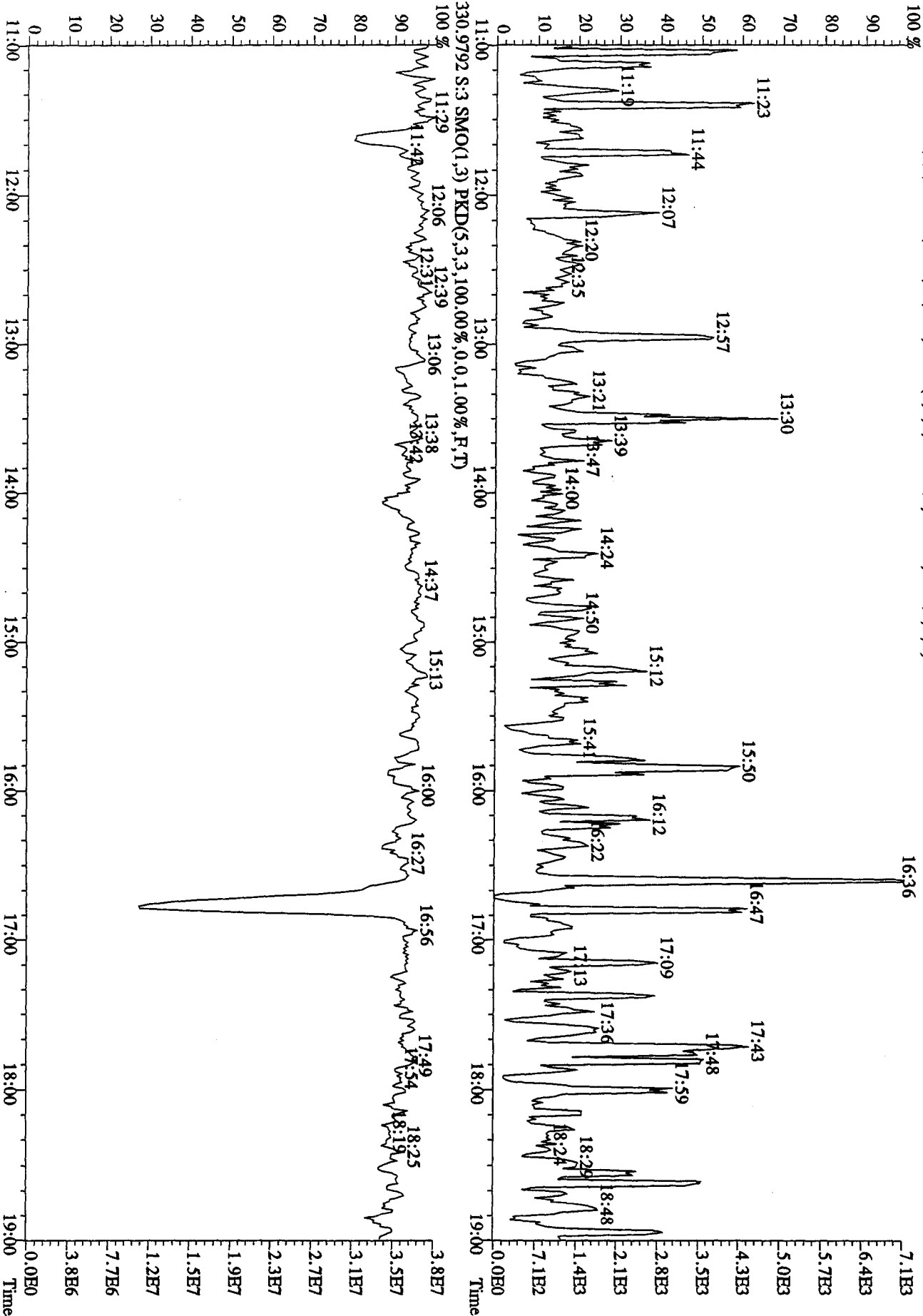
File:01MXY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI + Voltage SIR 70SE
 Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1916,0,1.00%,F,T)



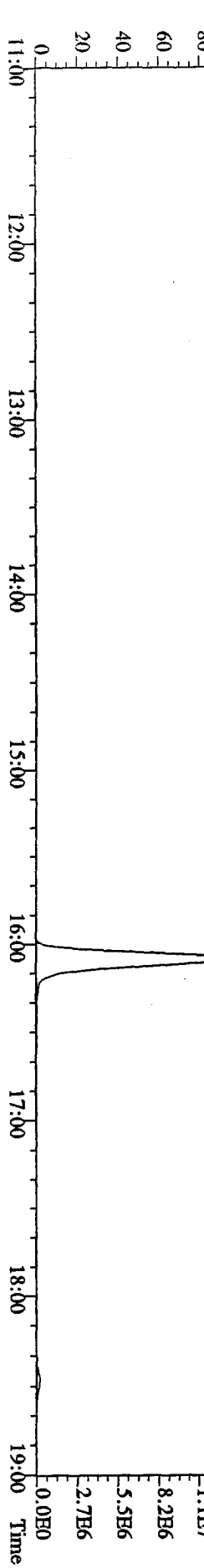
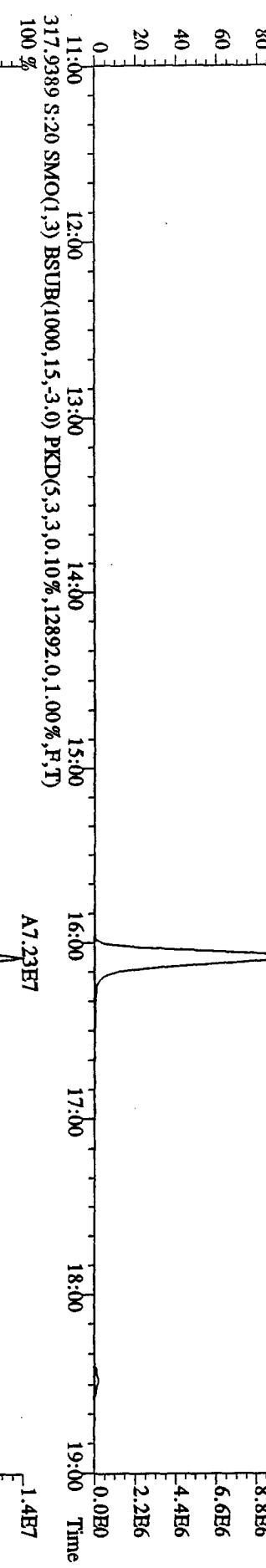
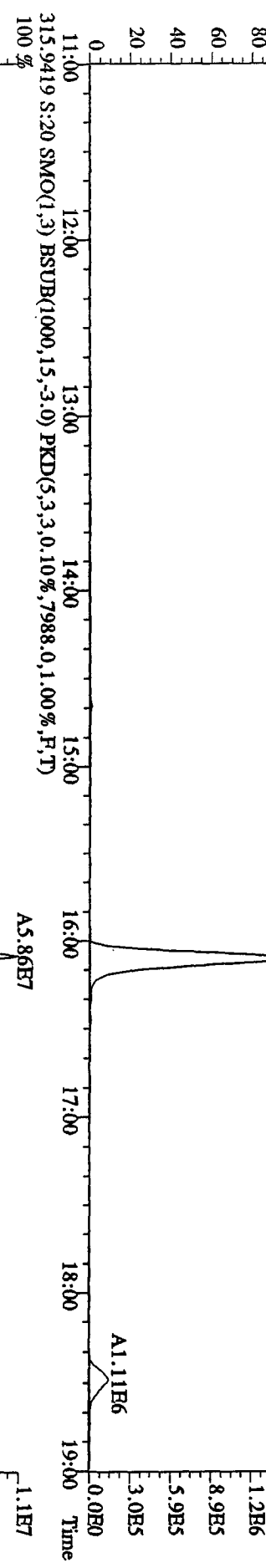
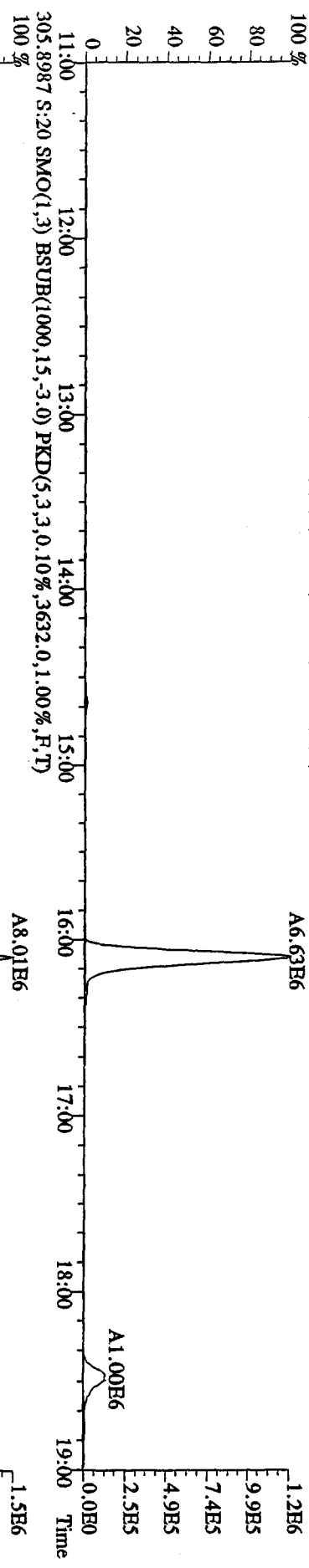
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1192.0,1.00%,F,T)
 100%



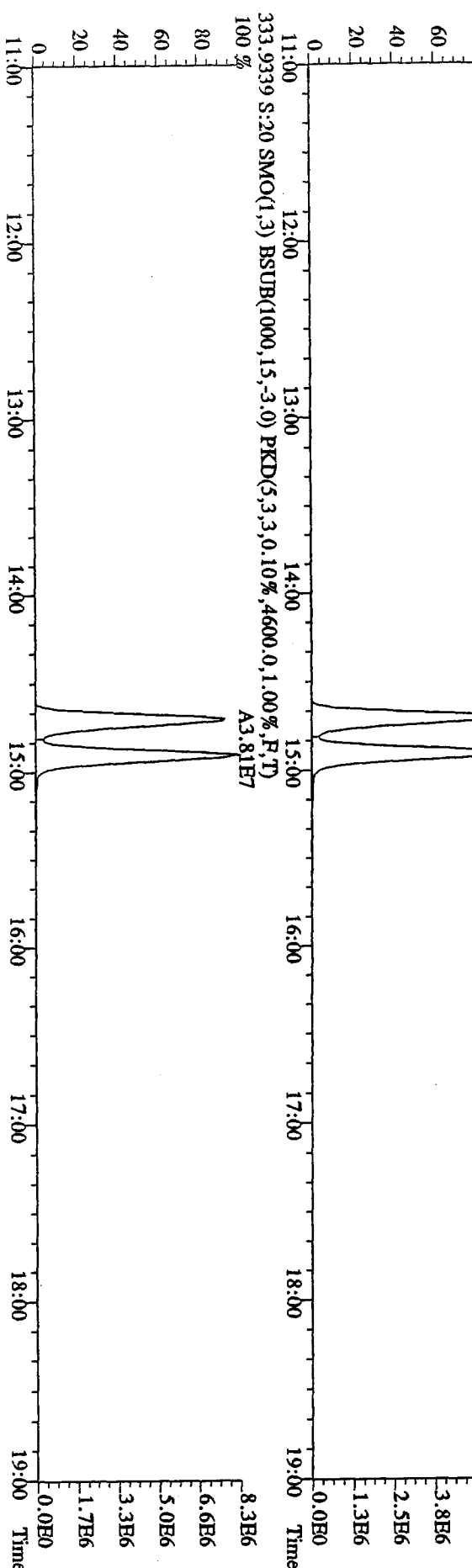
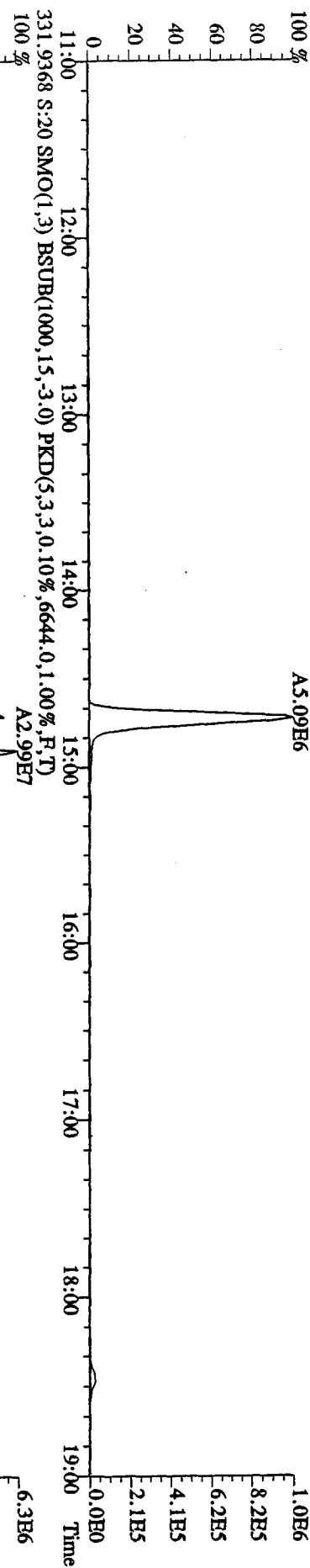
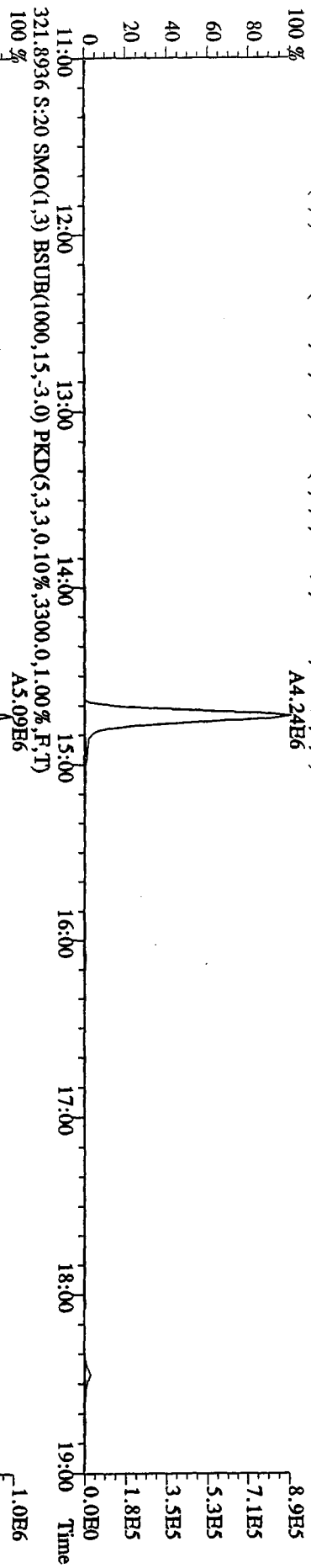
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1276.0,1.00%,F,T)



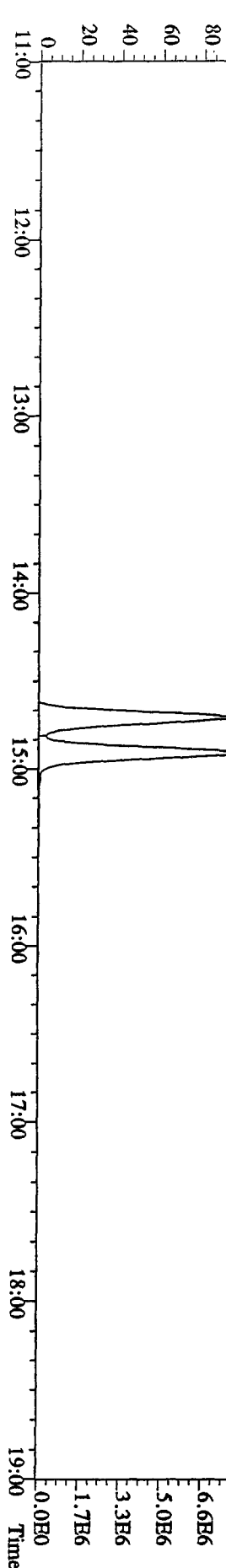
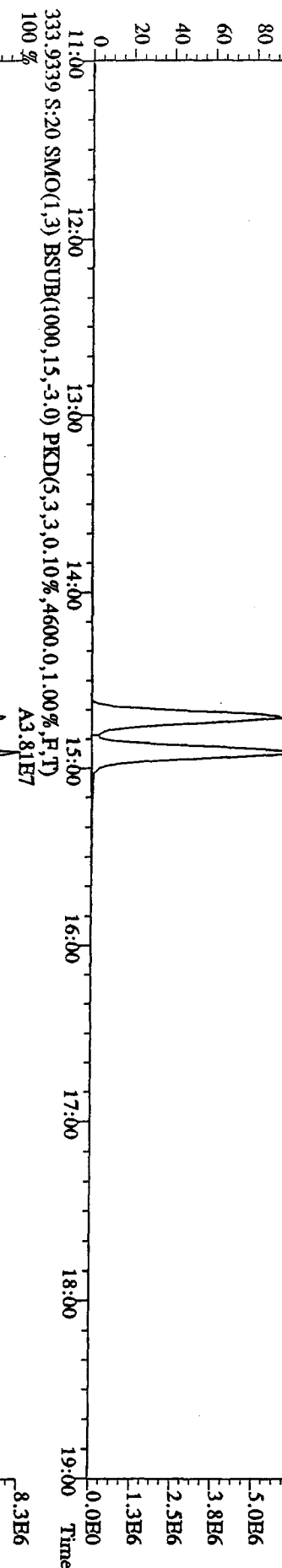
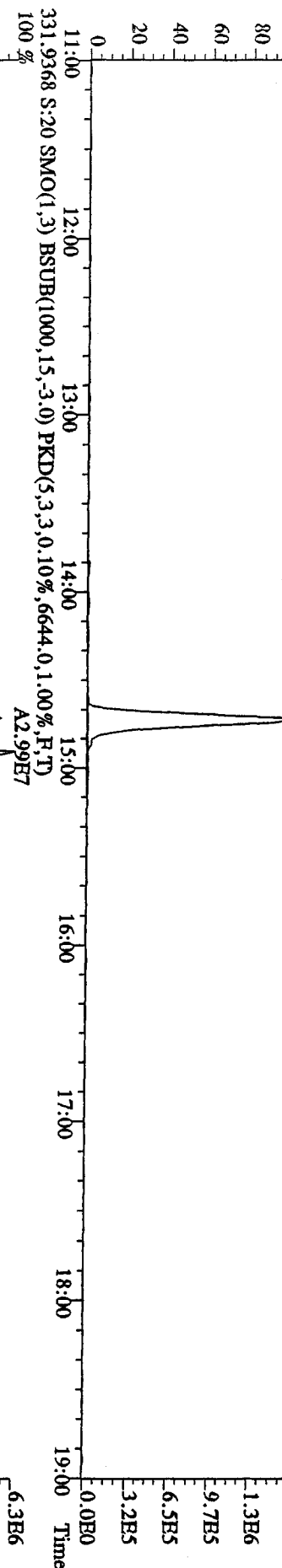
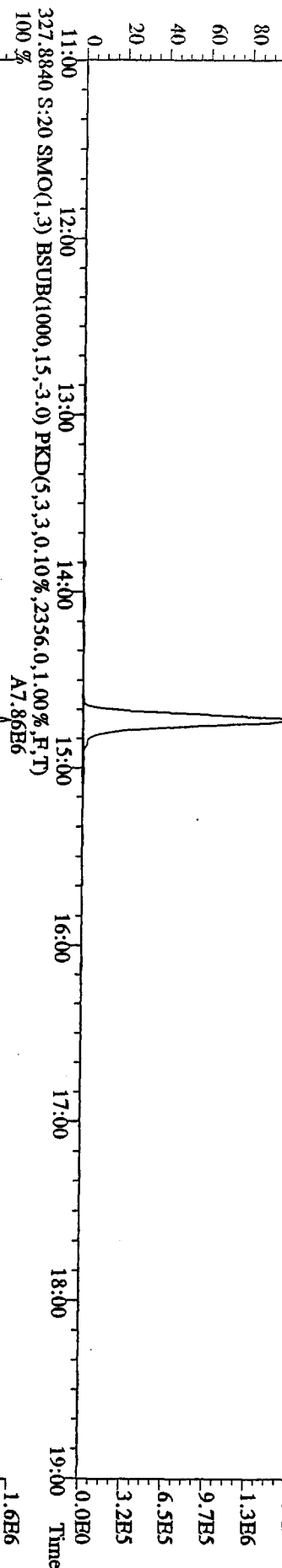
File:01MXY10A5D2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
 Sample#20 Text:ST0501B :C53 10DXN111 Exp:DB225RES
 303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3404.0,1.00%,F,T)
 100%



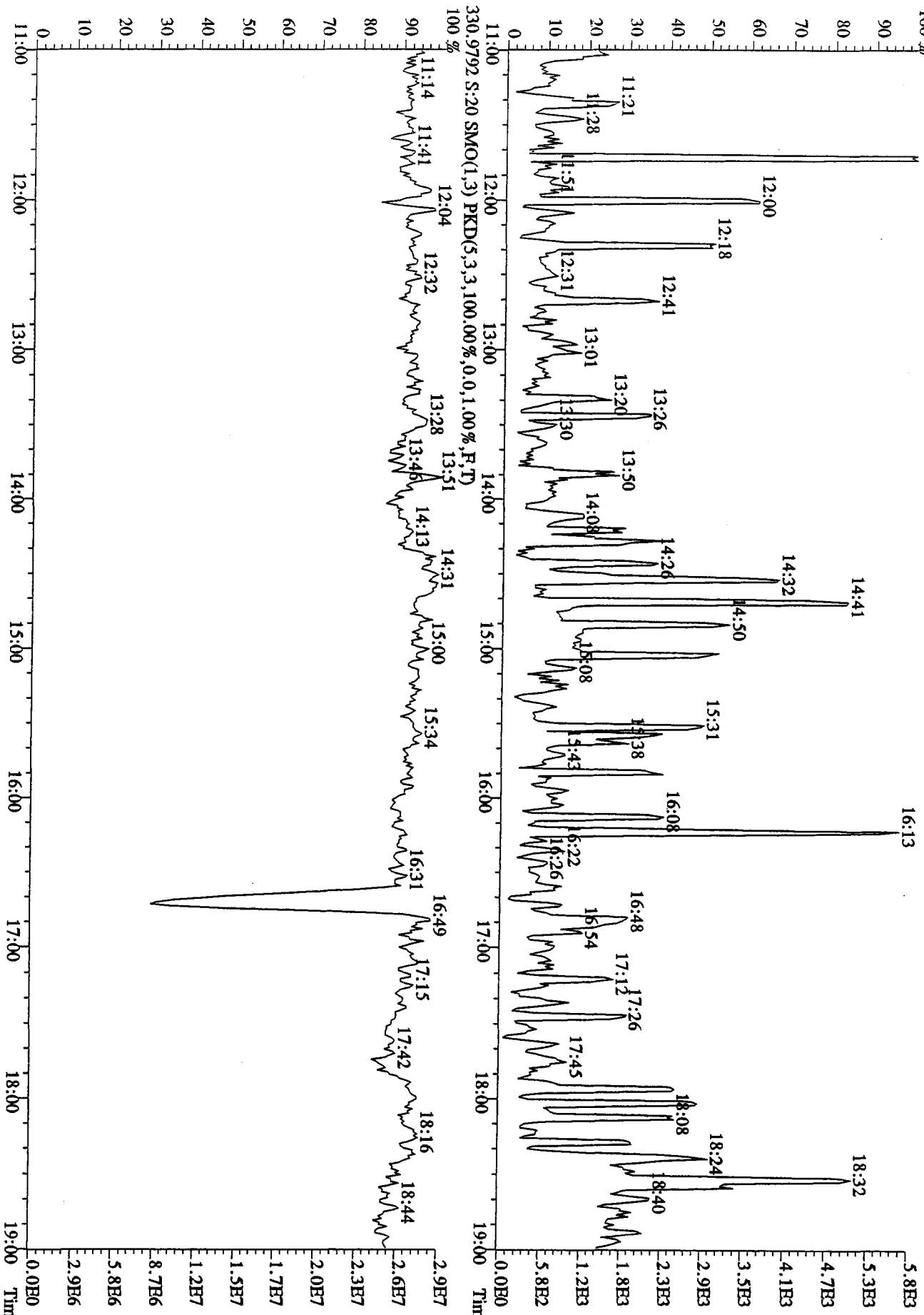
File:01MAY10A5FD2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
 Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES
 319.8965 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2428.0,1.00%,F,T)
 100% A4.24E6



File: 01MAY10A5D2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB25RES
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% A7.86E6



File:01MYY10A5D2 #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:20 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,100,00%,740,0,1,00%,F,T)



Method ID DB225 (8290)

Associated ICAL DB2250421105D2

Column ID DB225

Instrument ID 5D2

STD ID ST0503B, ST0503C

STD Solution 10DYN111

Analyzed by AM

Date Analyzed 05-03-10, 05-04-10

Std. Pkg. By AS

Date Std. Pkg. Assembled 05-04-10

Std. Pkg. Reviewed By VKC

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: ST0503B File text: CS-3 10DXN111
Run #6 Filename 03MY10B5D2 S: 1 I: 1
Acquired: 3-MAY-10 22:18:28 Processed: 3-MAY-10 22:56:19
Run: 03MY10B5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 03MY10B5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	83980200	0.76 y	15:00	-	100.00	-	n
13C-2,3,7,8-TCDF	173482300	0.81 y	16:11	2.07	100.00	-1.9	n
2,3,7,8-TCDF	17354390	0.77 y	16:12	1.00	10.00	-8.1	n
13C-2,3,7,8-TCDD	80627400	0.77 y	14:48	0.96	100.00	1.2	n
2,3,7,8-TCDD	11406190	0.85 y	14:50	1.41	10.00	4.2	n
37Cl-2,3,7,8-TCDD	18603120	1.00 y	14:49	2.22	10.00	-2.8	n

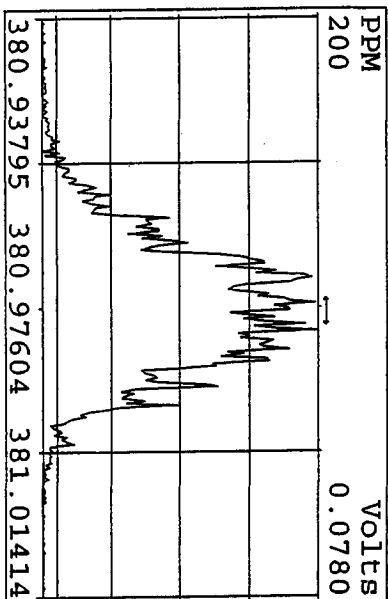
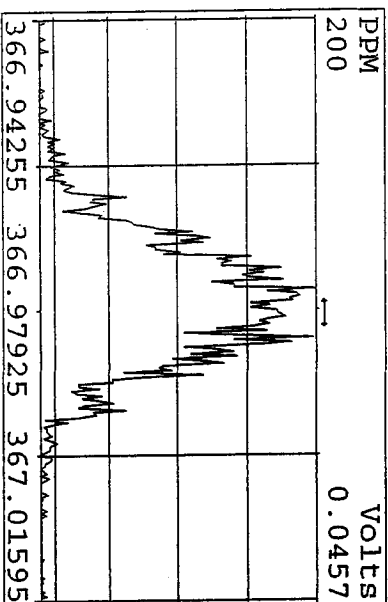
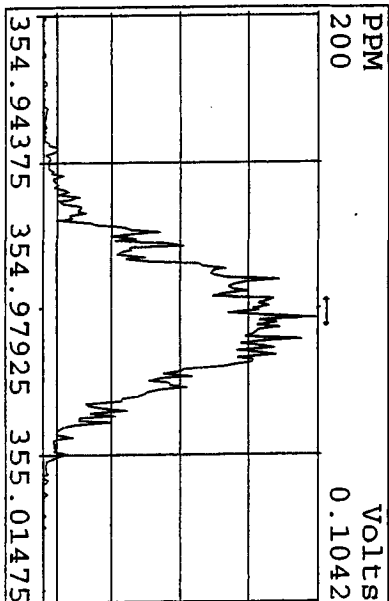
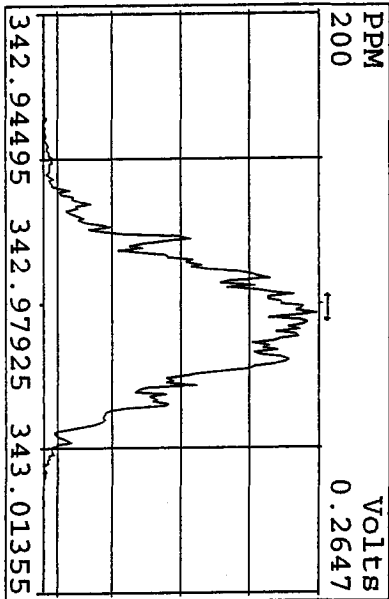
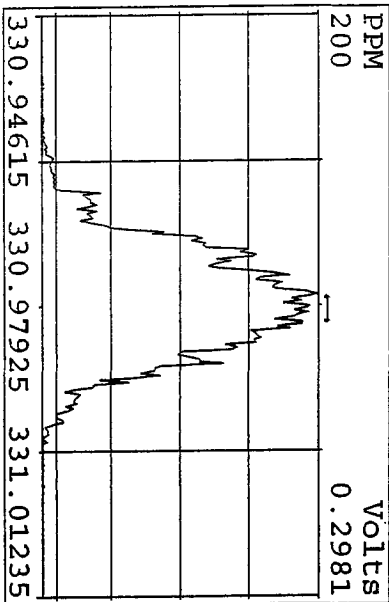
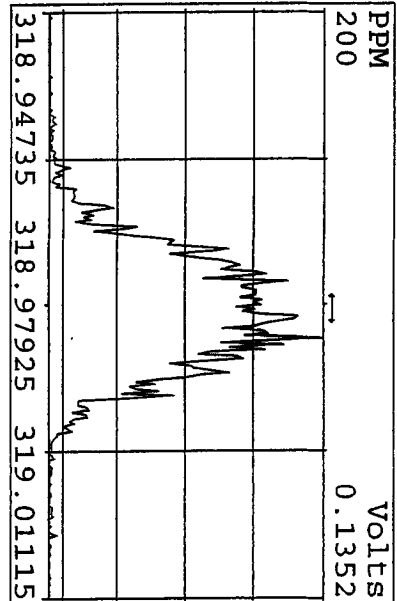
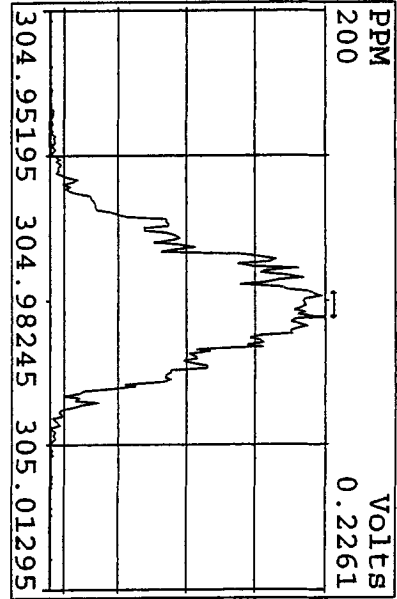
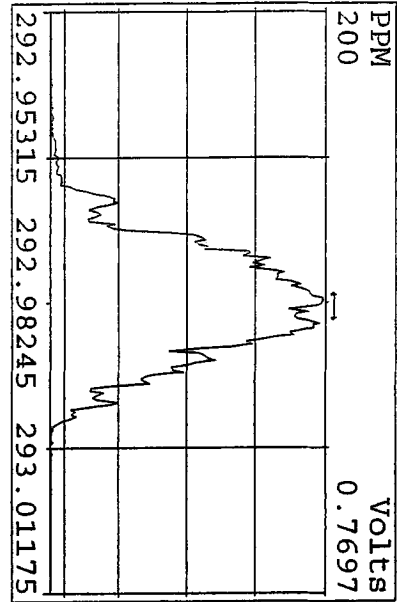
Run text: ST0503C File text: ST0503C :CS3 10DXN111
Run #19 Filename 03MY10B5D2 S: 16 I: 1
Acquired: 4-MAY-10 07:34:48 Processed: 4-MAY-10 10:27:12
Run: 03MY10B5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 03MY10B5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	85750808	0.74 y	14:54	-	100.00	-	n
13C-2,3,7,8-TCDF	181531880	0.79 y	16:05	2.12	100.00	0.5	n
2,3,7,8-TCDF	17610512	0.81 y	16:06	0.97	10.00	-10.9	n
13C-2,3,7,8-TCDD	84936376	0.76 y	14:42	0.99	100.00	4.4	n
2,3,7,8-TCDD	12247637	0.89 y	14:44	1.44	10.00	6.2	n
37Cl-2,3,7,8-TCDD	18542052	1.00 y	14:44	2.16	10.00	-5.1	n

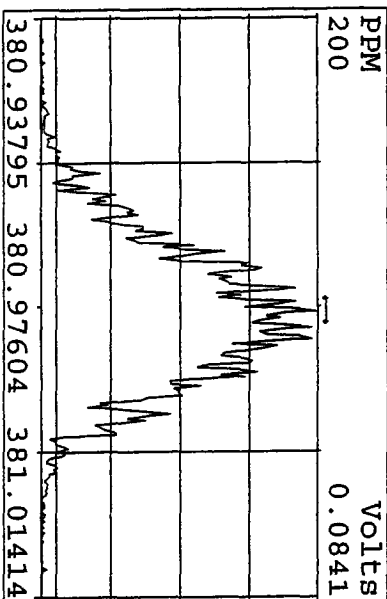
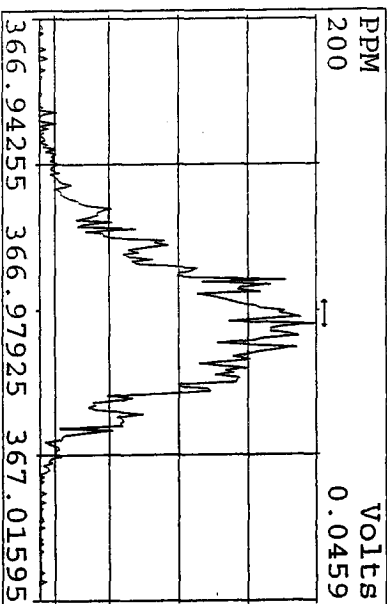
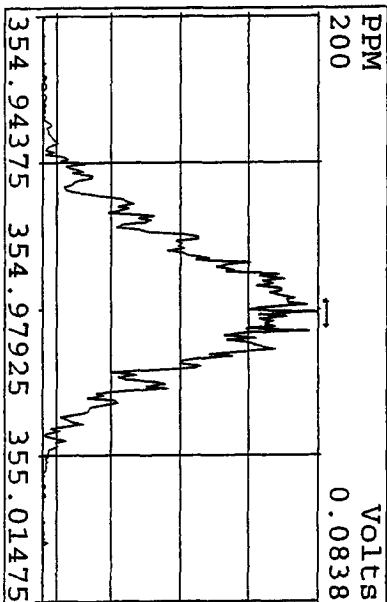
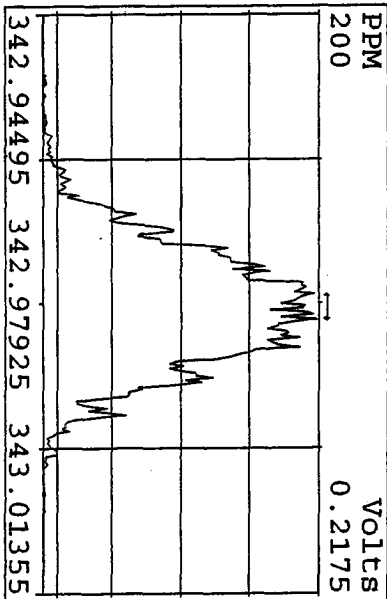
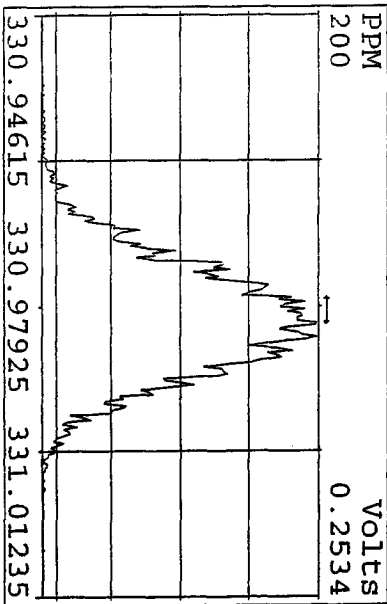
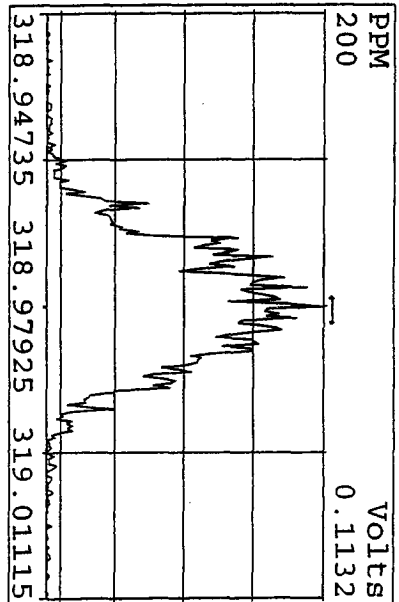
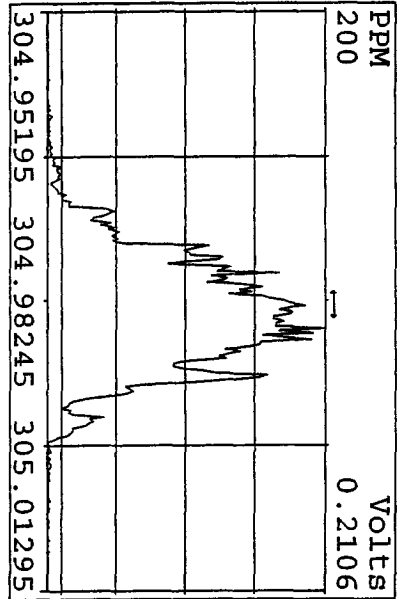
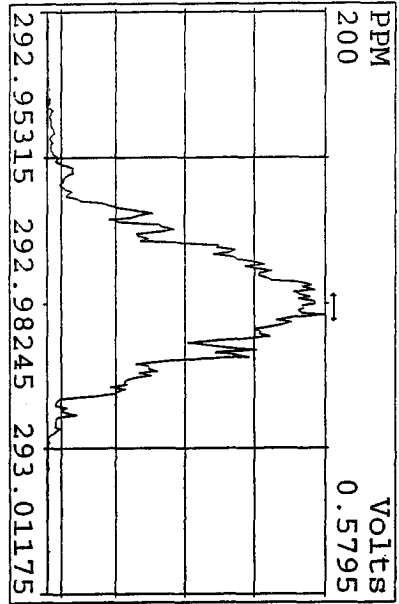
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
03MY10B5D2	1	ST0503B	CS3 10DXN111				1.000	
03MY10B5D2	2	CP0503A	DB-225 CPSM 3732-06				1.000	
03MY10B5D2	3	SB0503A	Solvent Blank C-14				1.000	
03MY10B5D2	4	LX0R3-1-AD	G0D140543-67	10	8290/SOLID	75	10.000	g
03MY10B5D2	5	LX1G8-1-AD	G0D150462-3	10	8290/SOLID		10.690	g
03MY10B5D2	6	LX1GM-1-AD	G0D150462-1	10	8290/SOLID		10.500	g
03MY10B5D2	7	LX1GM-1-AE	G0D150462-1S	10	8290/SOLID		10.890	g
03MY10B5D2	8	LX1GM-1-AF	G0D150462-1D	10	8290/SOLID		10.020	g
03MY10B5D2	9	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.050	g
03MY10B5D2	10	LXT2W-1-AC	G0D120444-1	20	8290/SOLID	85	10.030	g
03MY10B5D2	11	LXT2W-1-AF	G0D120444-1S	20	8290/SOLID		10.280	g
03MY10B5D2	12	LXT2W-1-AG	G0D120444-1D	20	8290/SOLID		10.240	g
03MY10B5D2	13	LXT25-1-AC	G0D120444-2	20	8290/SOLID		10.450	g
03MY10B5D2	14	LX299-1-AD	G0D160435-3	10	8290/SOLID	77	10.020	g
03MY10B5D2	15	SB0503B	Solvent Blank C-14				1.000	
03MY10B5D2	16	ST0503C	CS3 10DXN111				1.000	
03MY10B5D2	17						1.000	
03MY10B5D2	18						1.000	
03MY10B5D2	19						1.000	
03MY10B5D2	20						1.000	
03MY10B5D2	21						1.000	
03MY10B5D2	22						1.000	
MY10B5D2	23		AM 05-03-10				1.000	
03MY10B5D2	24						1.000	

log file checked OK
As of 05/04/10

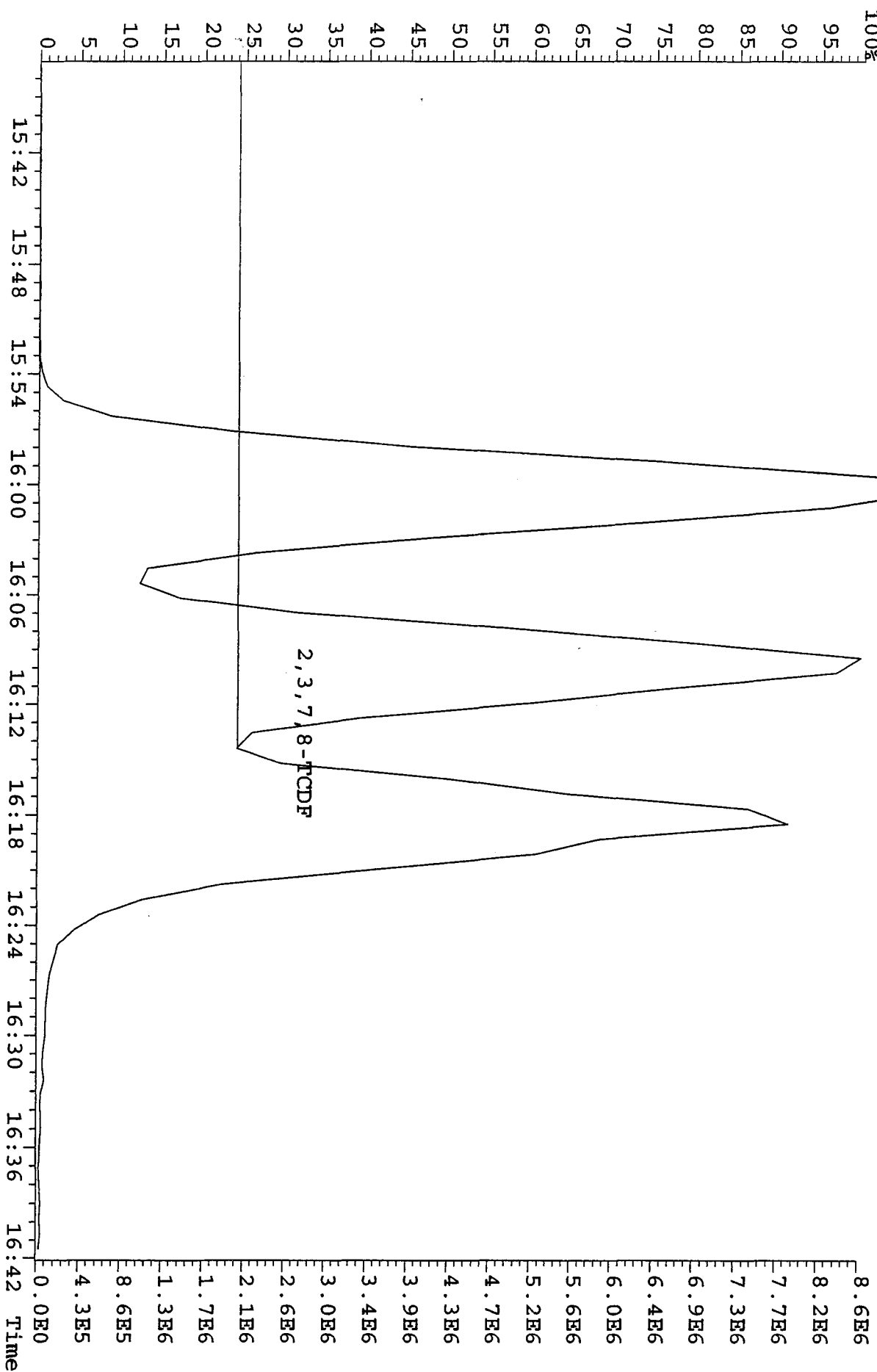
Peak Locate Examination: 3-MAY-2010:22:14 File:03MY10B5D2
 Experiment:DB225RFS Function:1 Reference:PFK



Peak Locate Examination: 4-MAY-2010:08:33 File:03MY10B5D2ENDRES
 Experiment:DB225RES Function:1 Reference:PRK



File: 03MY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC FI+ Voltage SIR 70SE
 303.9016 S:2 BSUB(128,15,-3.0) Exp:DB225RES Noise:672
 Sample Text:CP0503A :DB-225 CP5M 3732-06

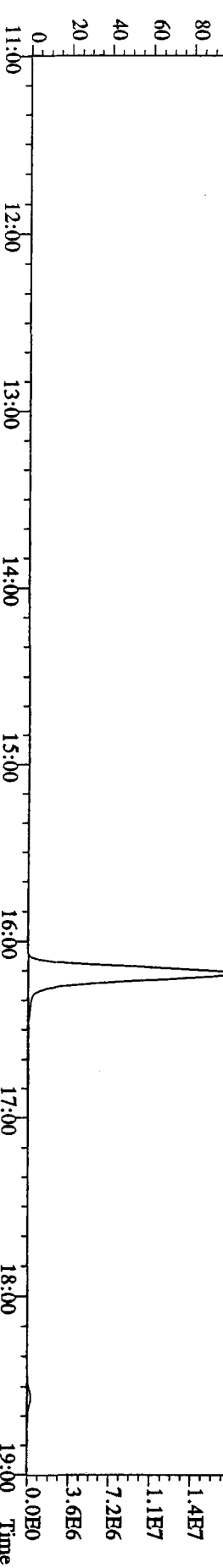
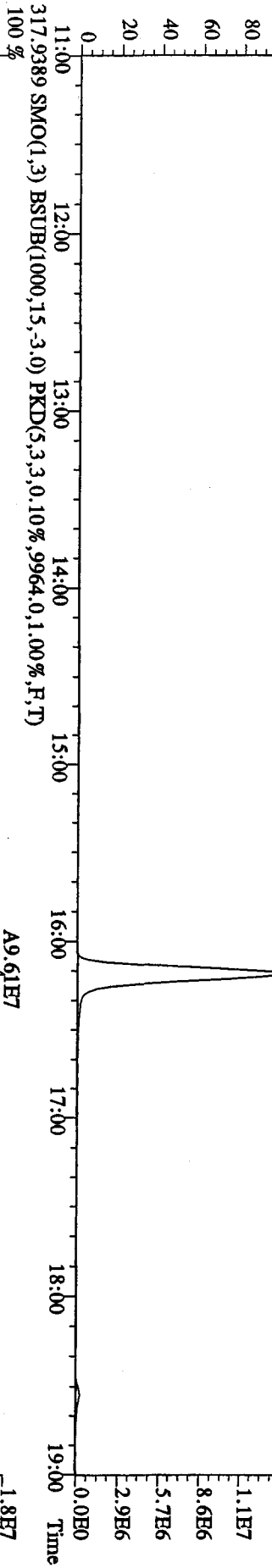
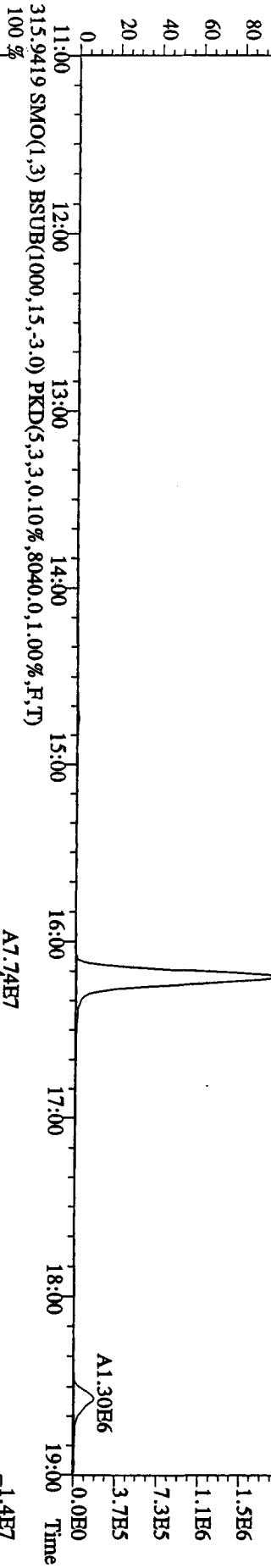
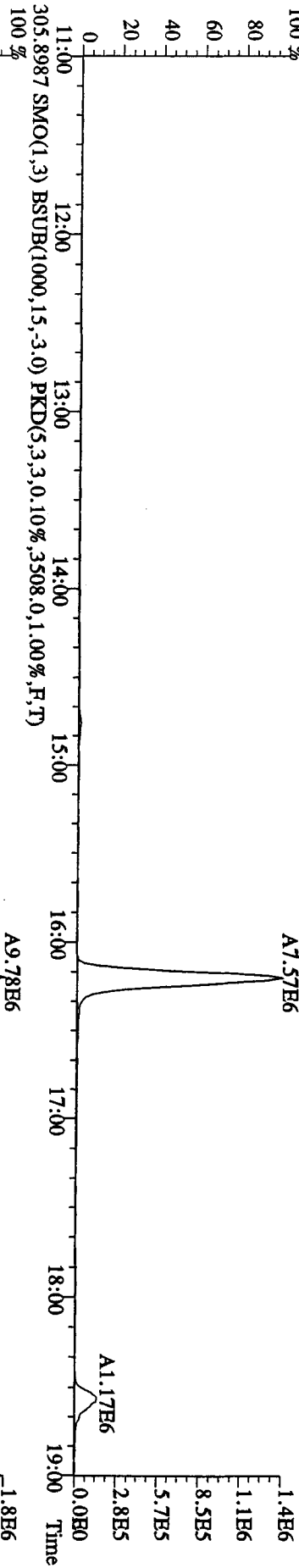


Run: 03MY10B5D2 Analyte: DB225 Cal: DB2250421105D2

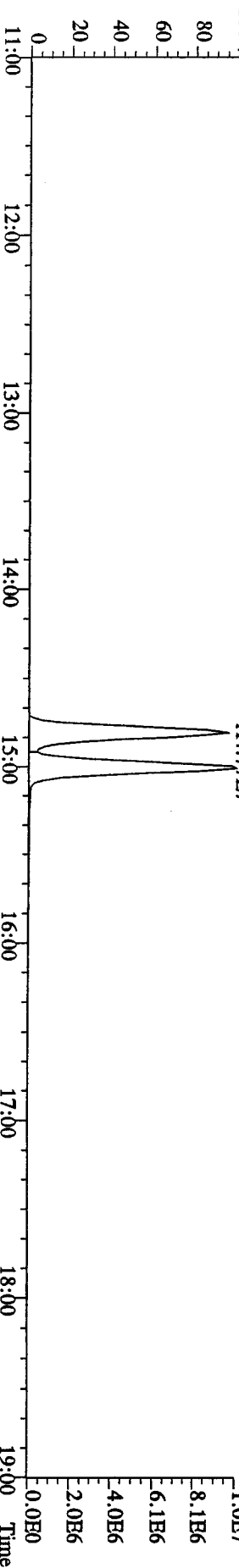
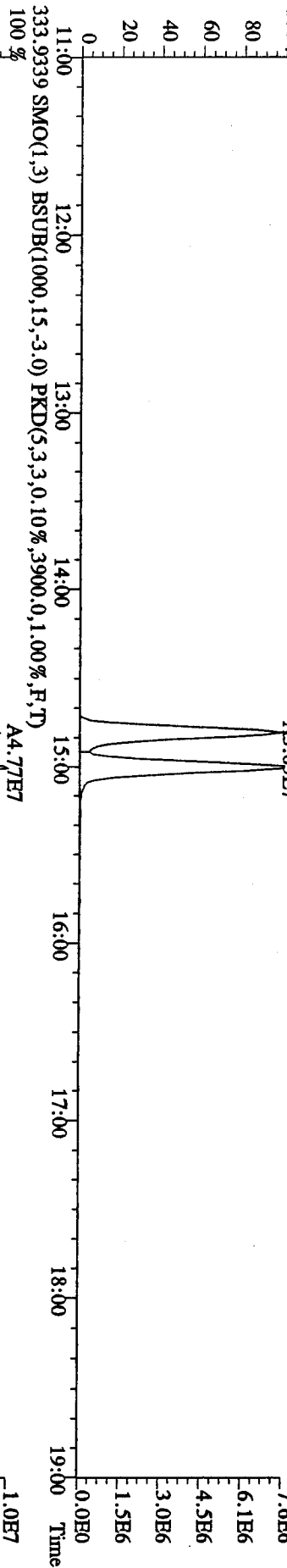
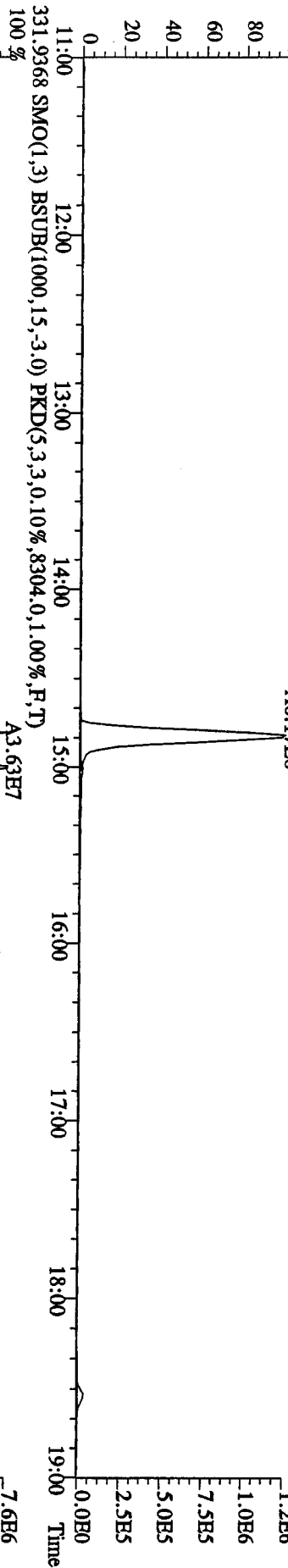
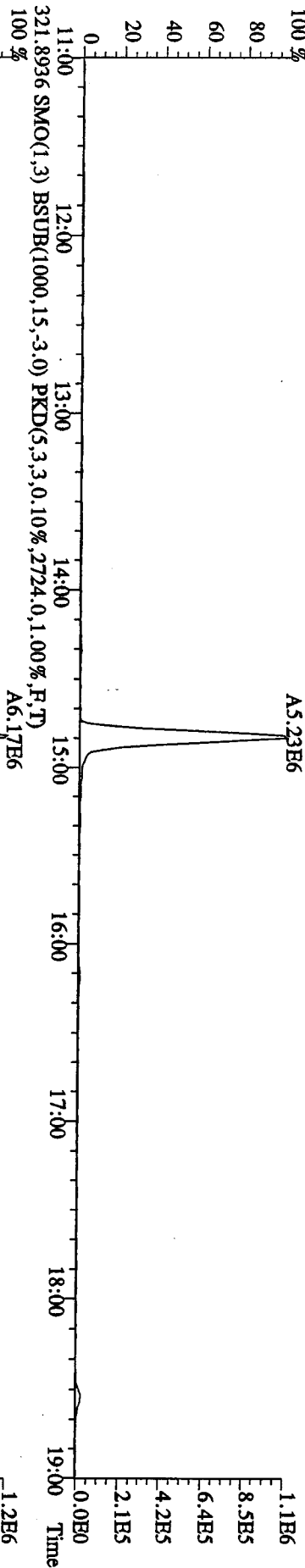
ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
 ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2				
				S14 RRF1	S13 RRF2	S12 RRF3	S16 RRF4	S15 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

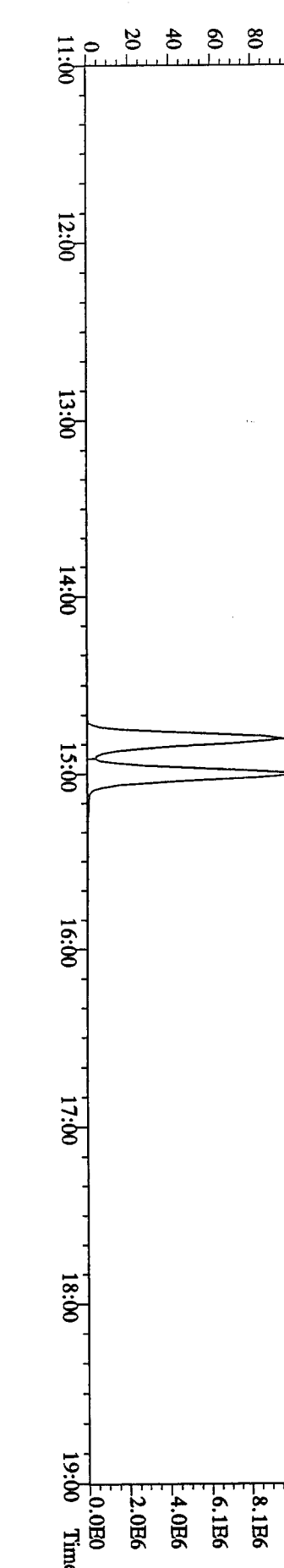
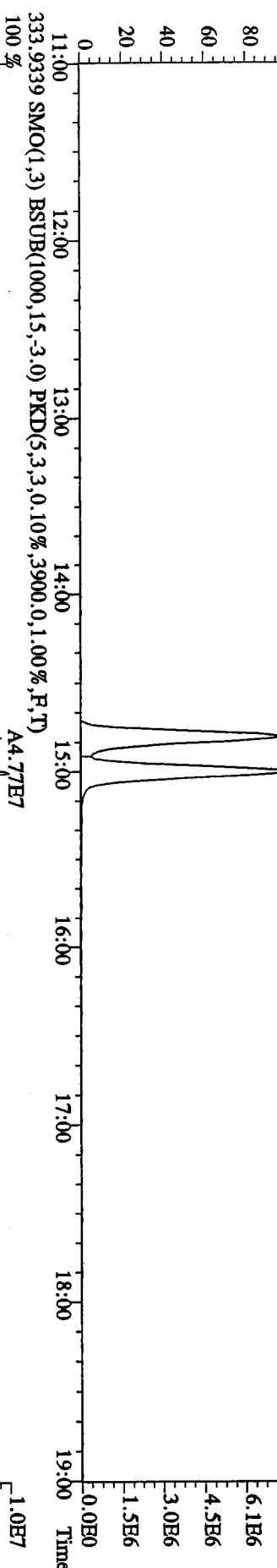
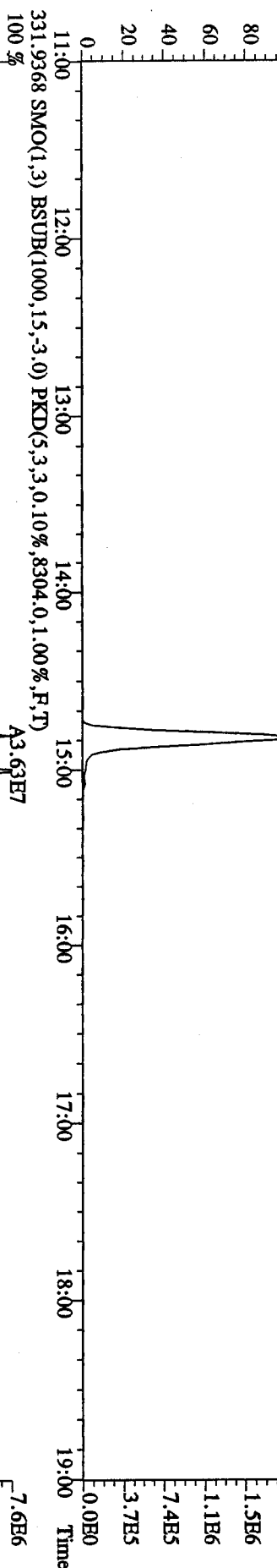
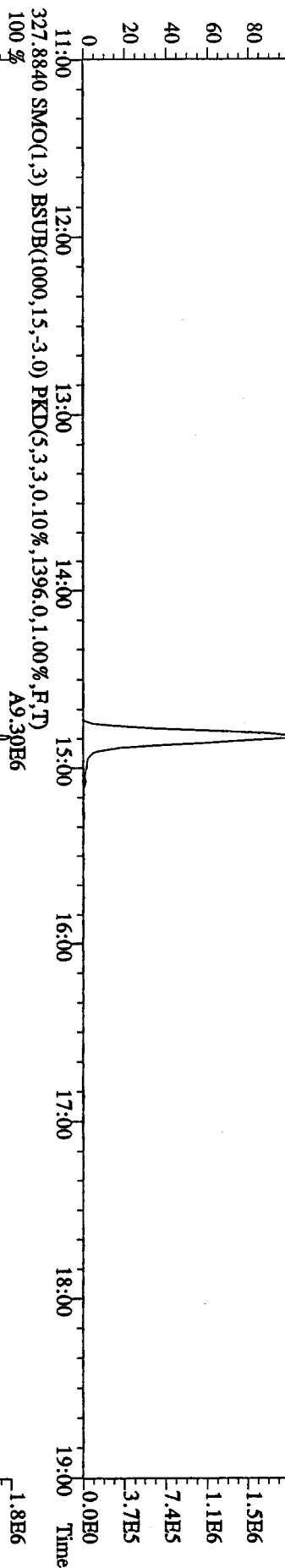
File:03MAY10B5D2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2396,0,1,00%,F,T) 100%



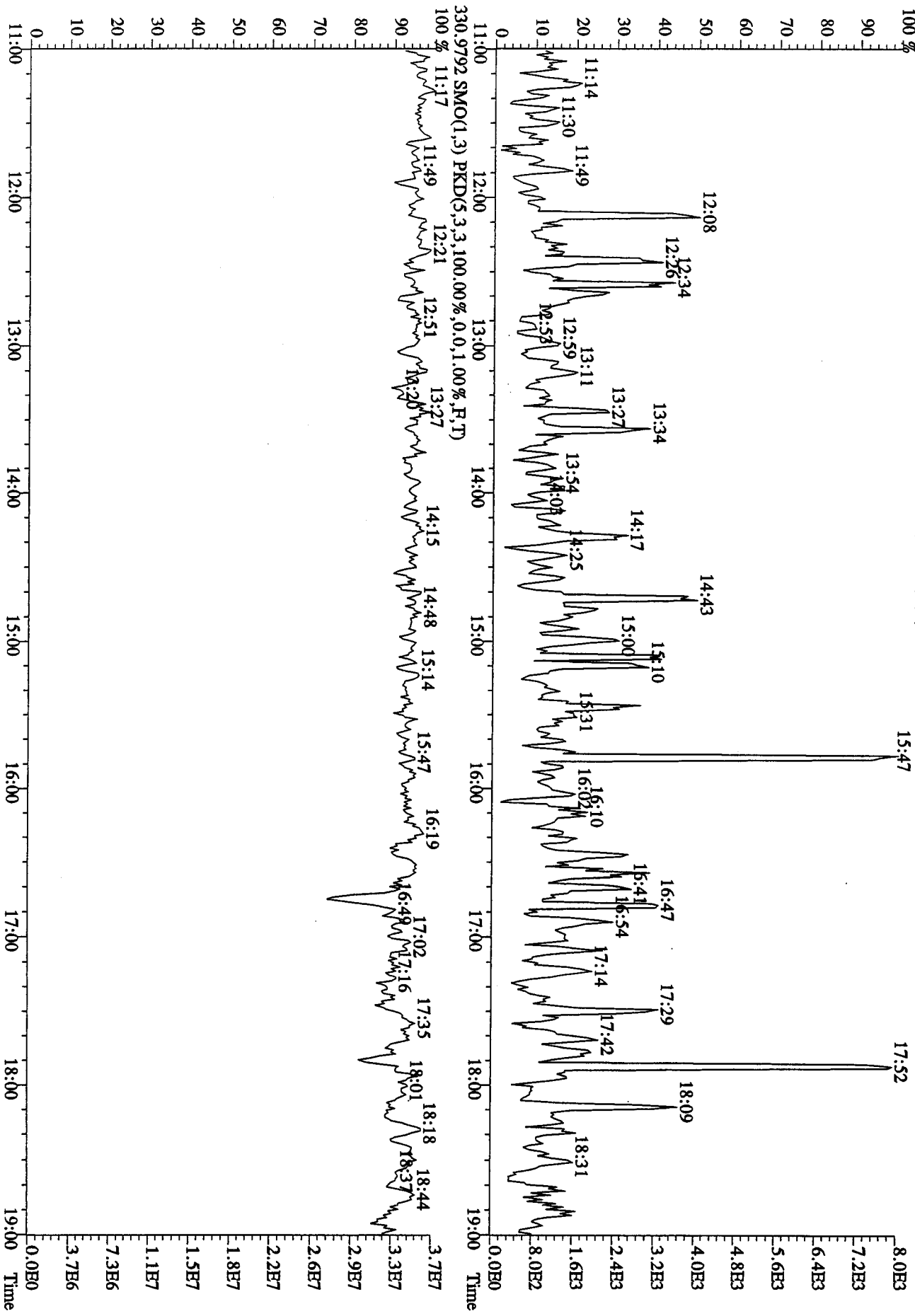
File:03MYY10B5D2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES
 319.8965 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2168,0,1,00%,F,T)
 100% A5.23E6



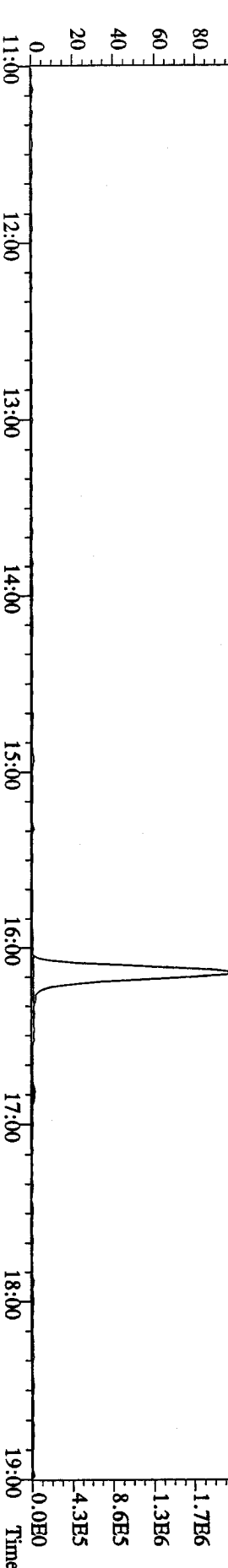
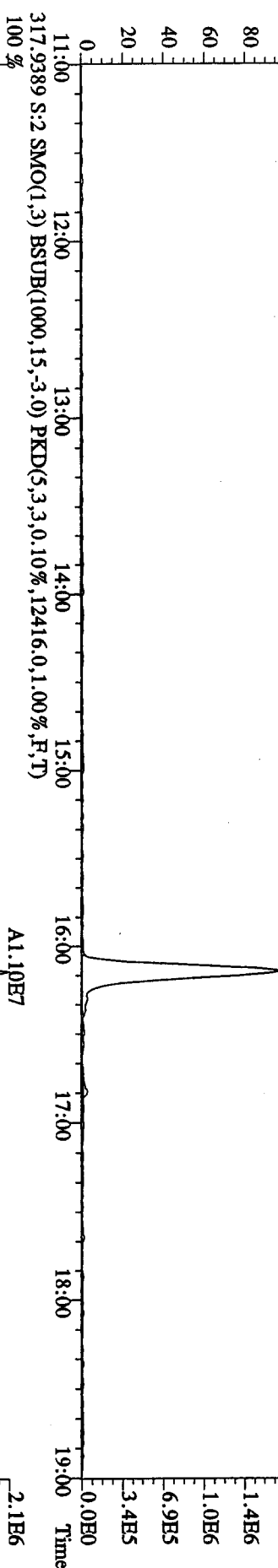
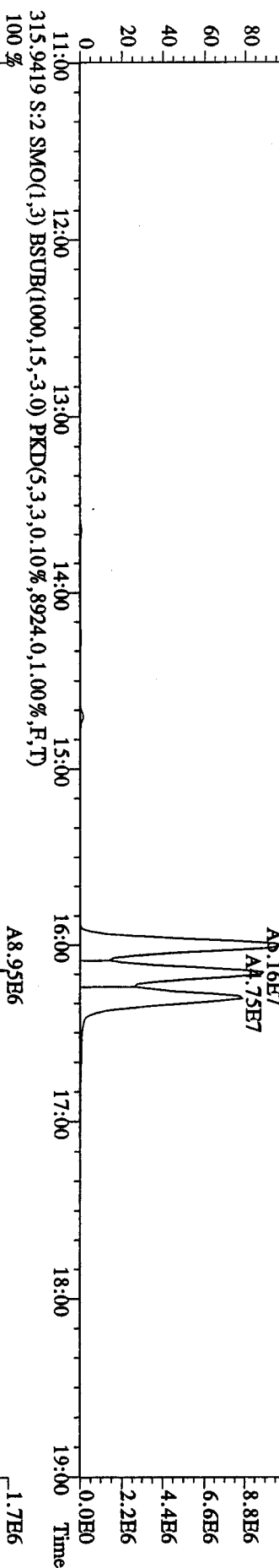
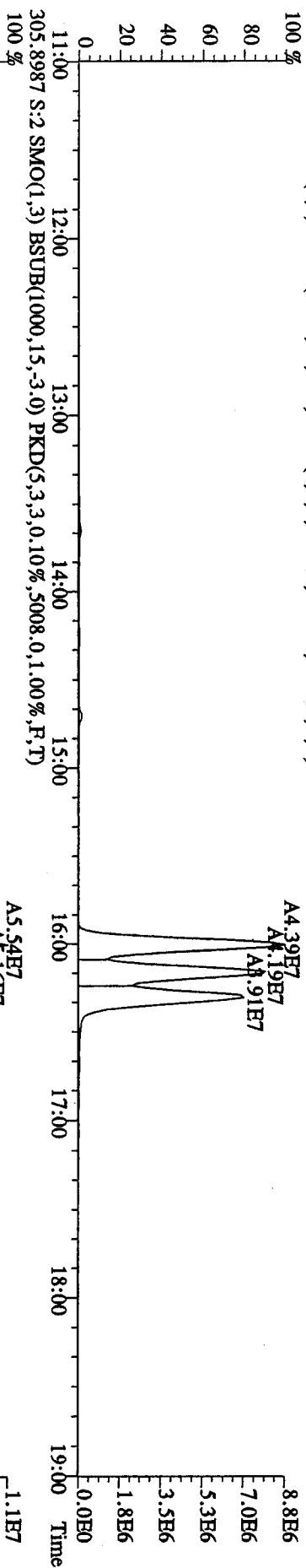
File:03MY10B5D2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1396.0,1.00%,F,T) A9.30E6



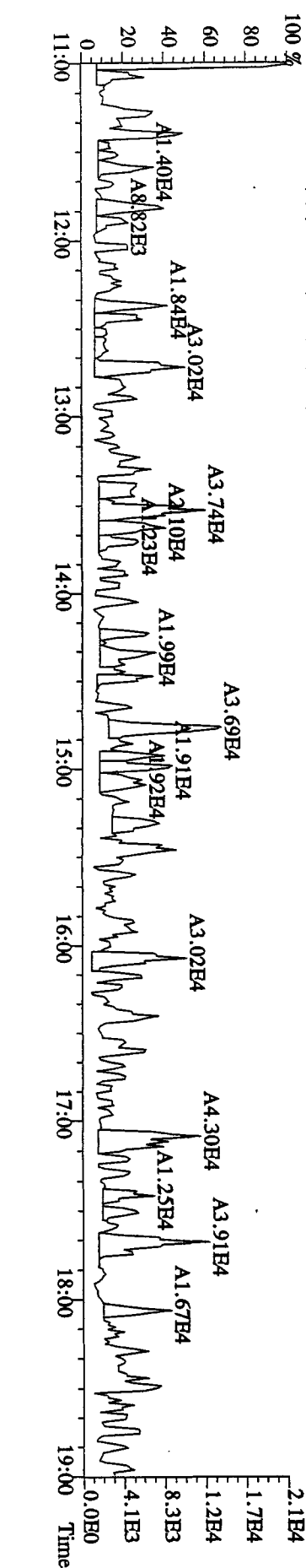
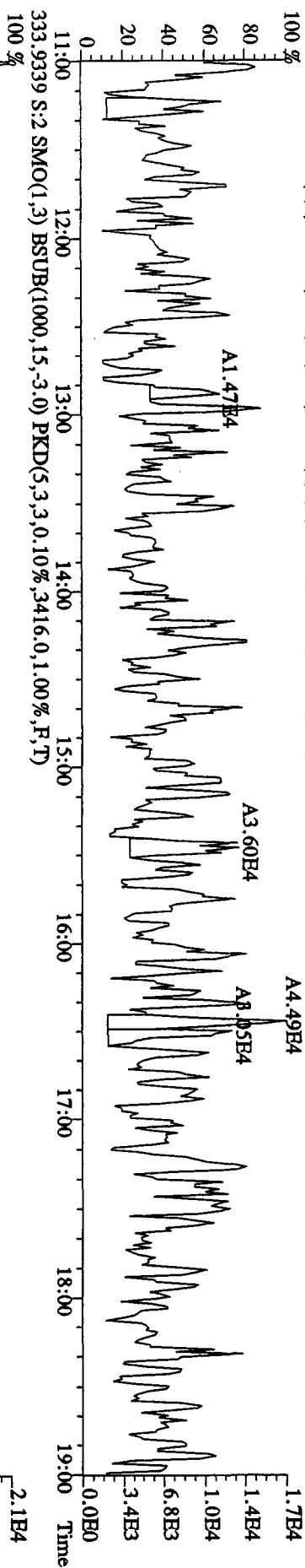
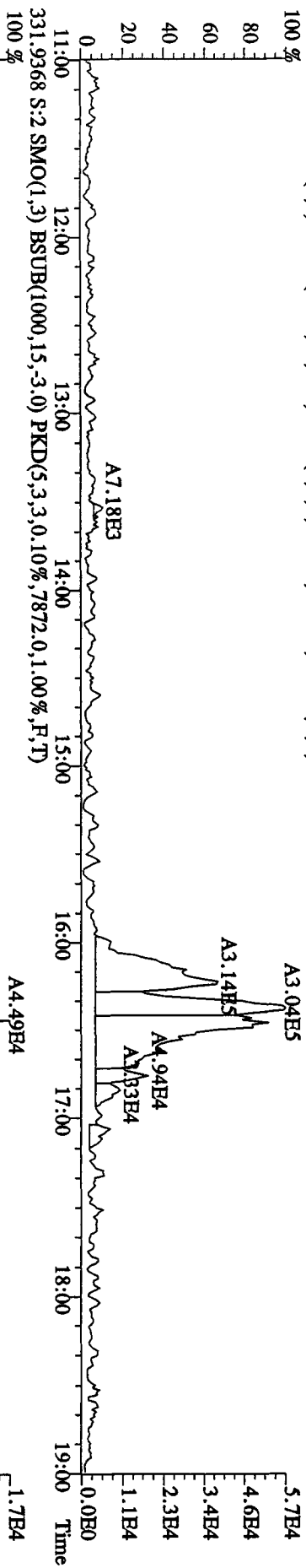
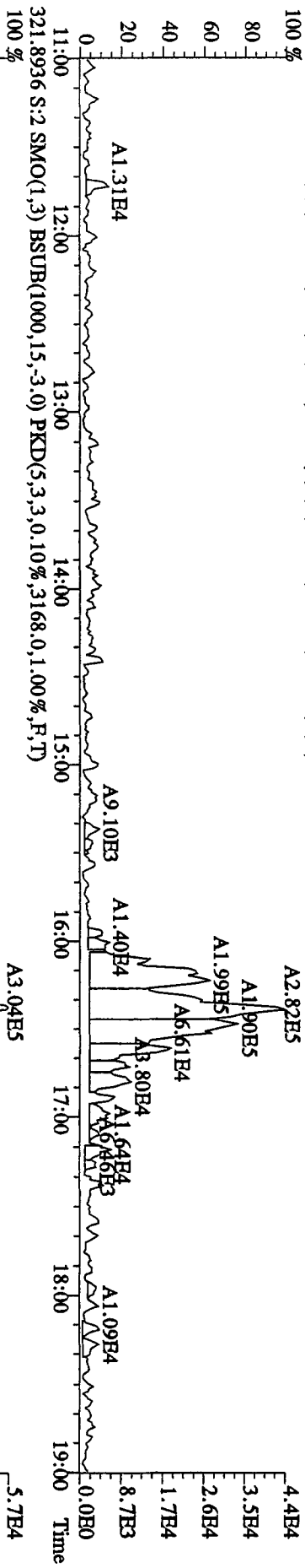
File:03MAY10BSD2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES
 375.8364 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



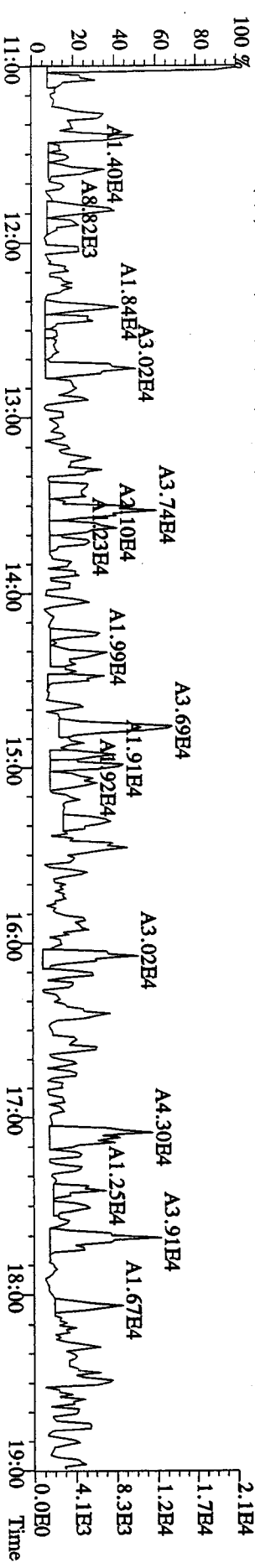
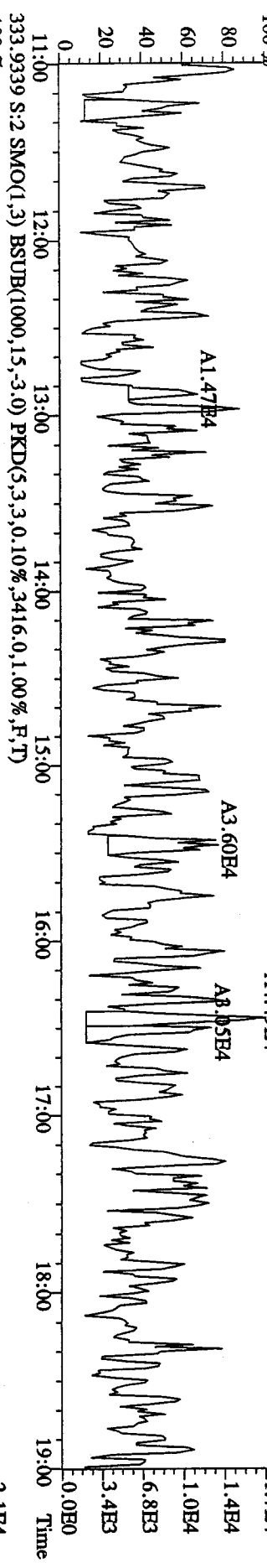
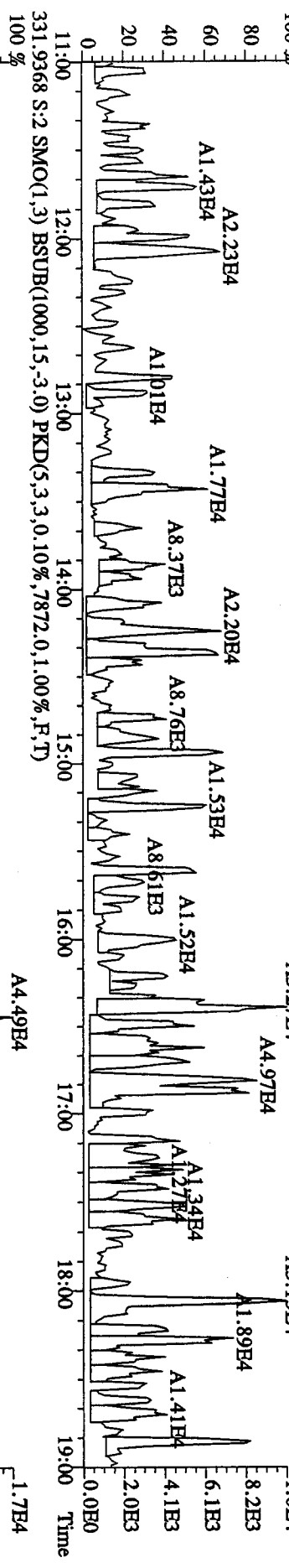
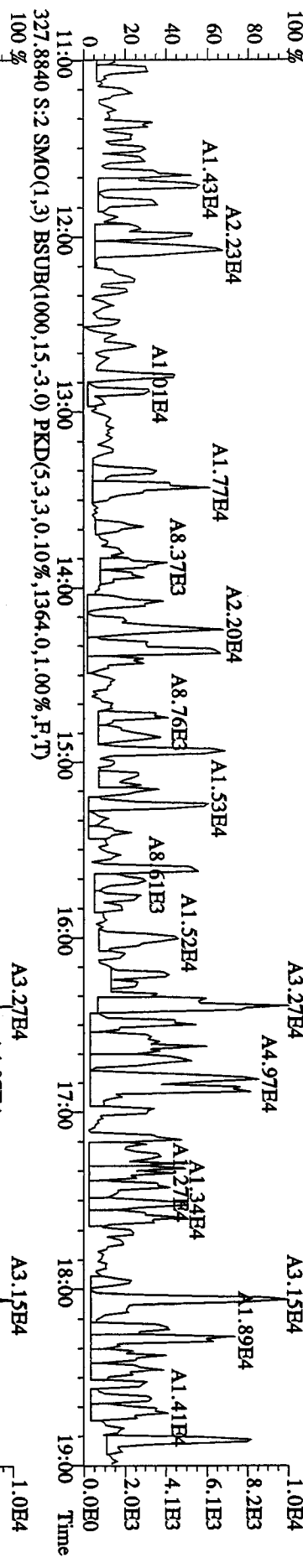
File:03MAY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0503A :DB-225 CPSM 3732-06 Exp:DB225RES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3392.0,1.00%,F,T)
 100 %



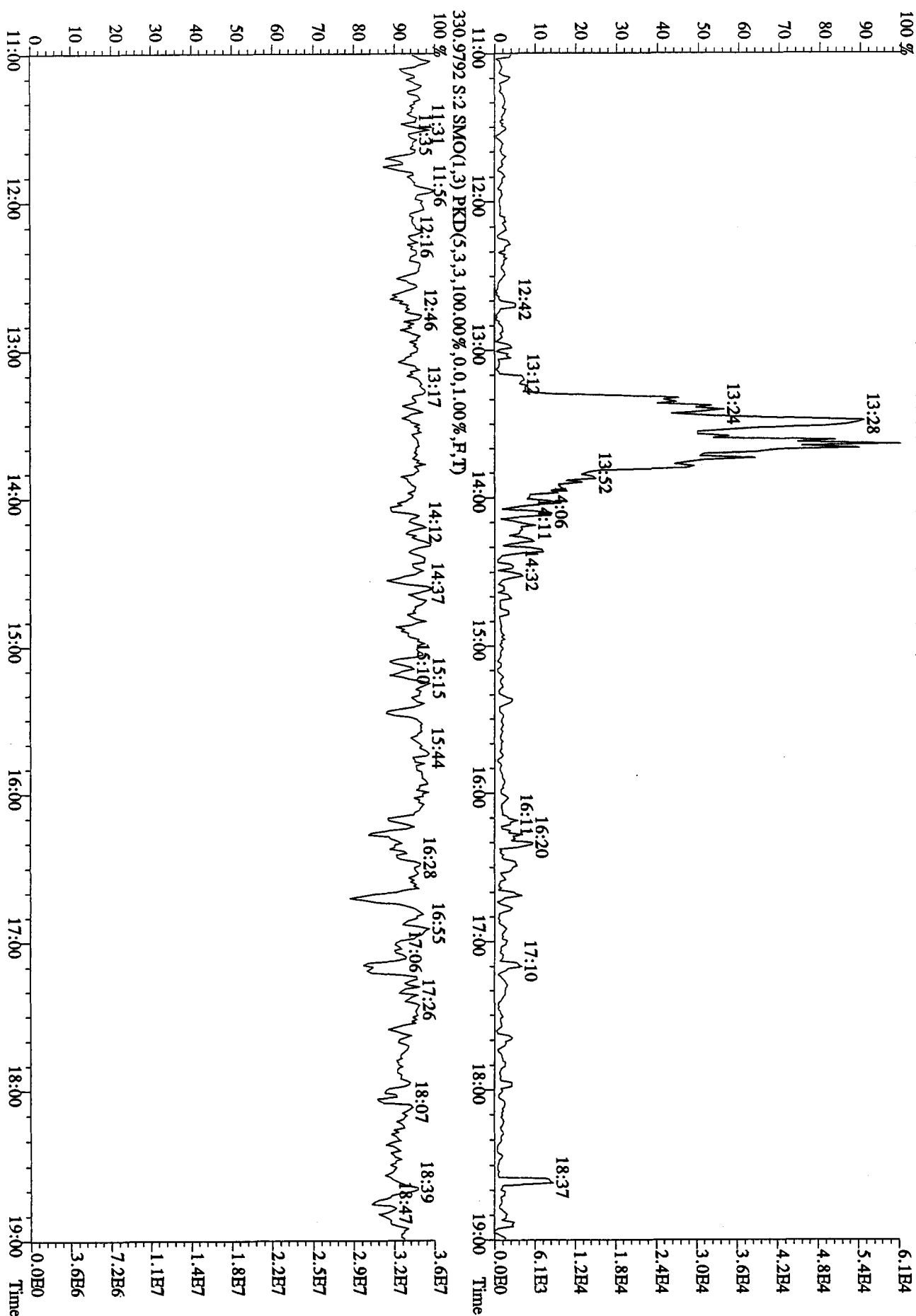
File:03MAY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC BI+ Voltage SIR 70SE
 Sample#2 Text:CP0503A :DB-225 CP5M 3732-06 Exp:DB225RES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2196.0,1.00%,F,T) 100%



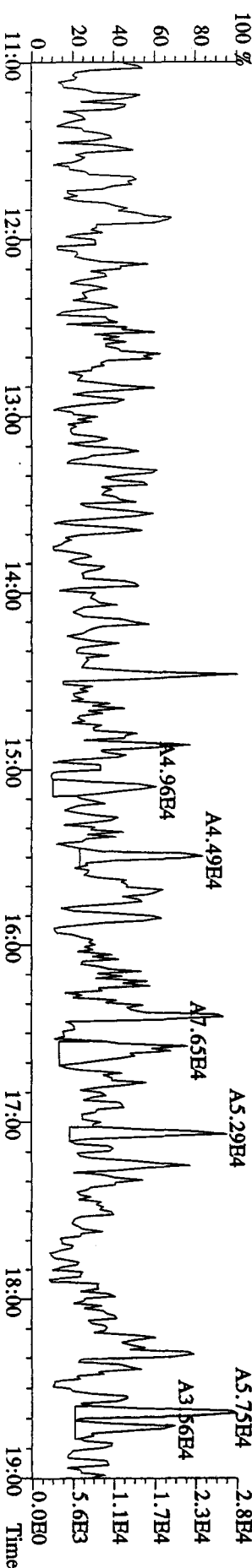
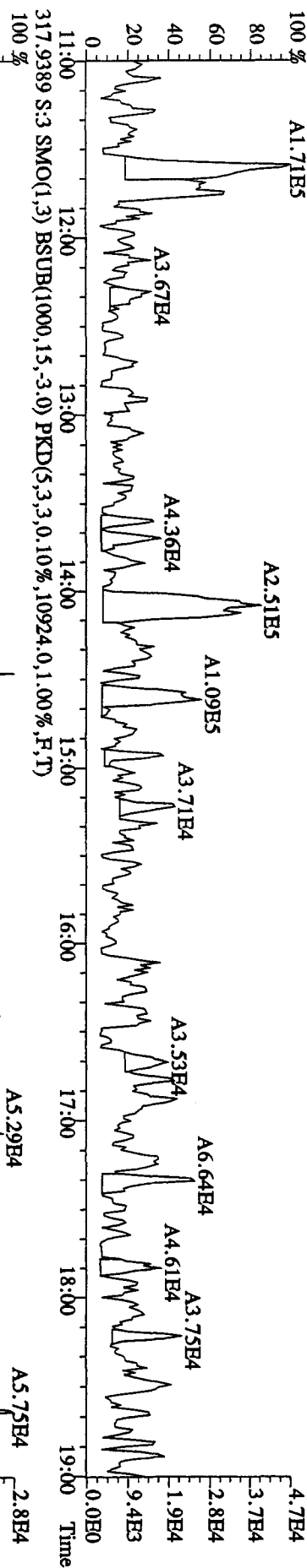
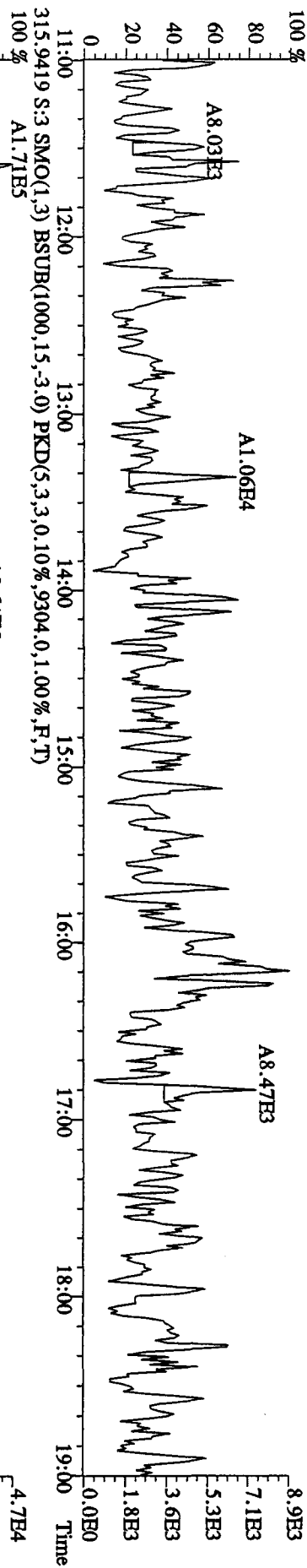
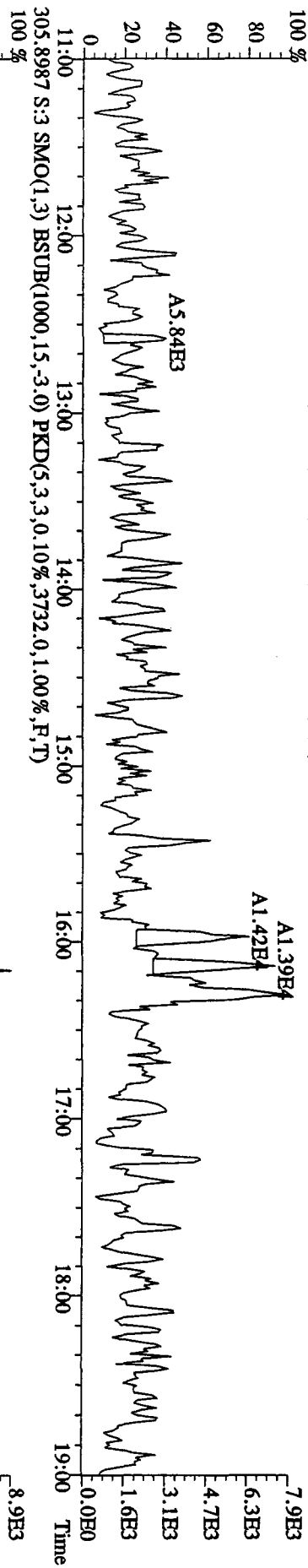
File:03MAY10BSD2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0503A .DB-225 CP5M 3732-06 Exp:DB225RES
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364,0,1.00%,F,T)



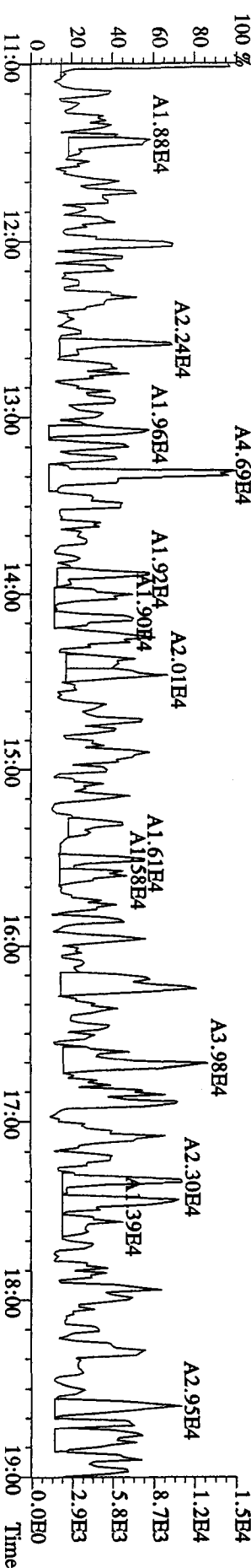
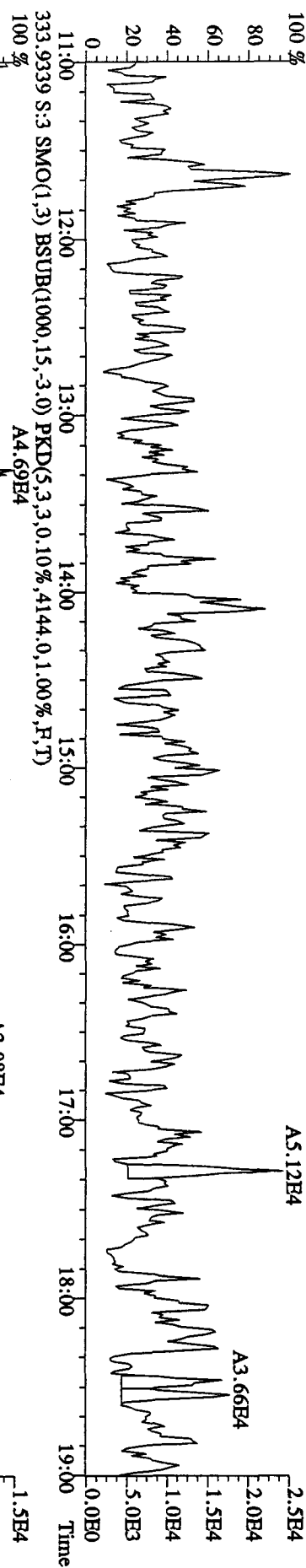
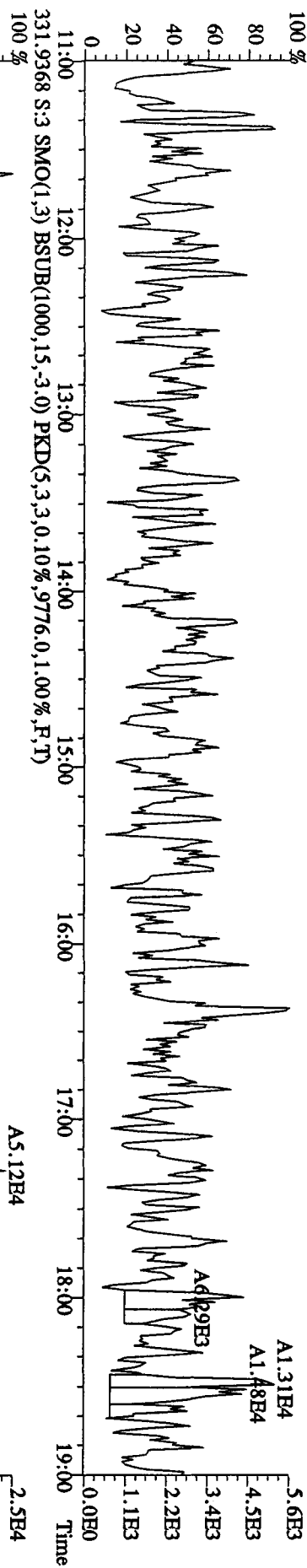
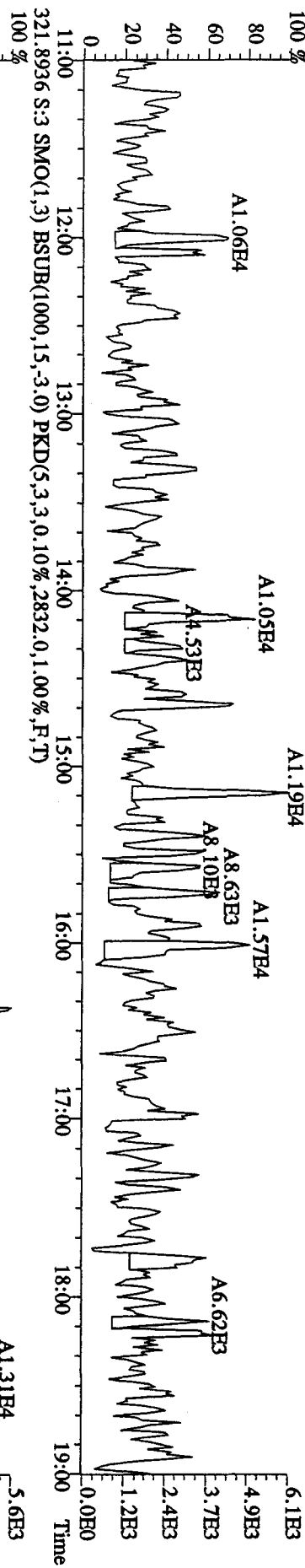
File:03MAY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC EI+ Voltage SIR 70SB
 Sample#2 Text:CP0503A :DB-225 CPISM 3732-06 Exp:DB225RES
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1328.0,1.00%,F,T)
 100 %



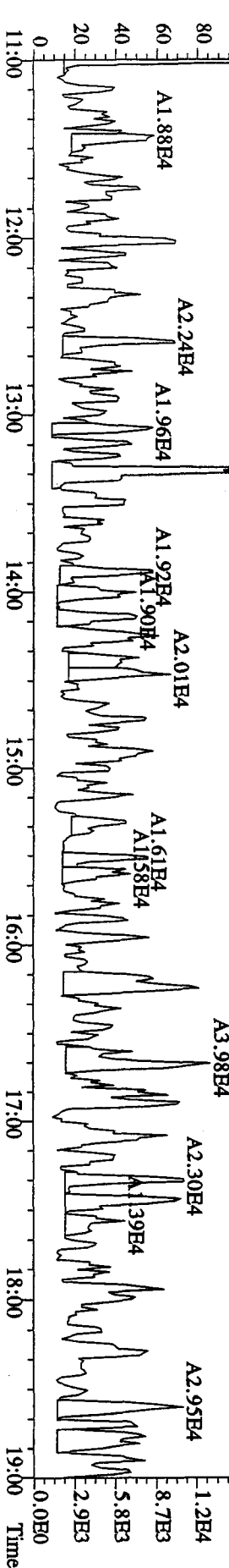
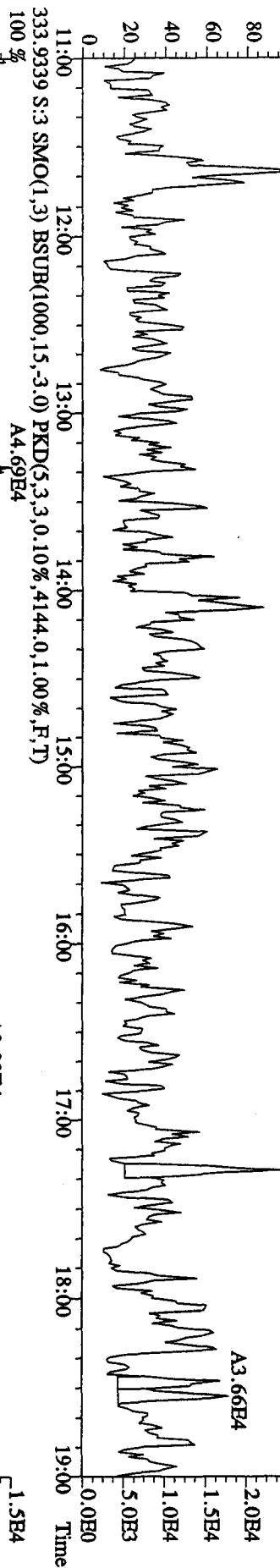
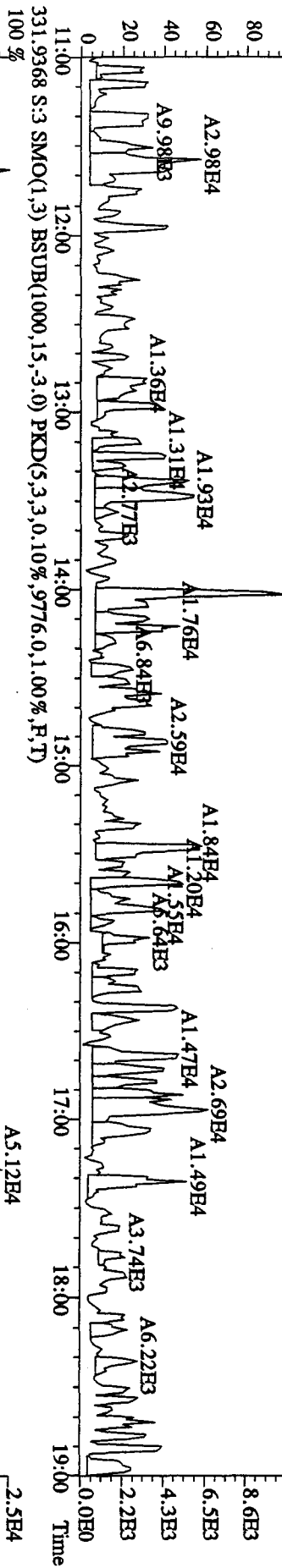
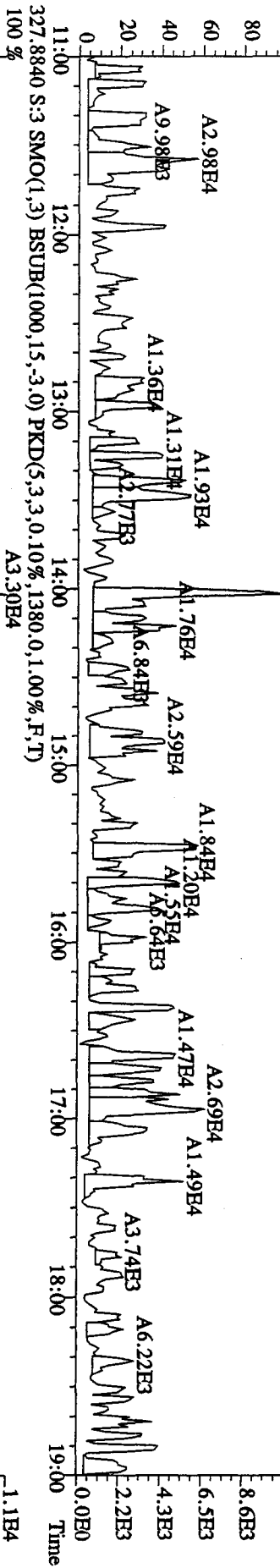
File:03MAY10B5D2 #1-1242 Acq: 3-MAY-2010 23:32:45 GC FI + Voltage SIR 70SH
 Sample#3 Text:SB0503A :Solvent Blank C-14 Exp:DB225RES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



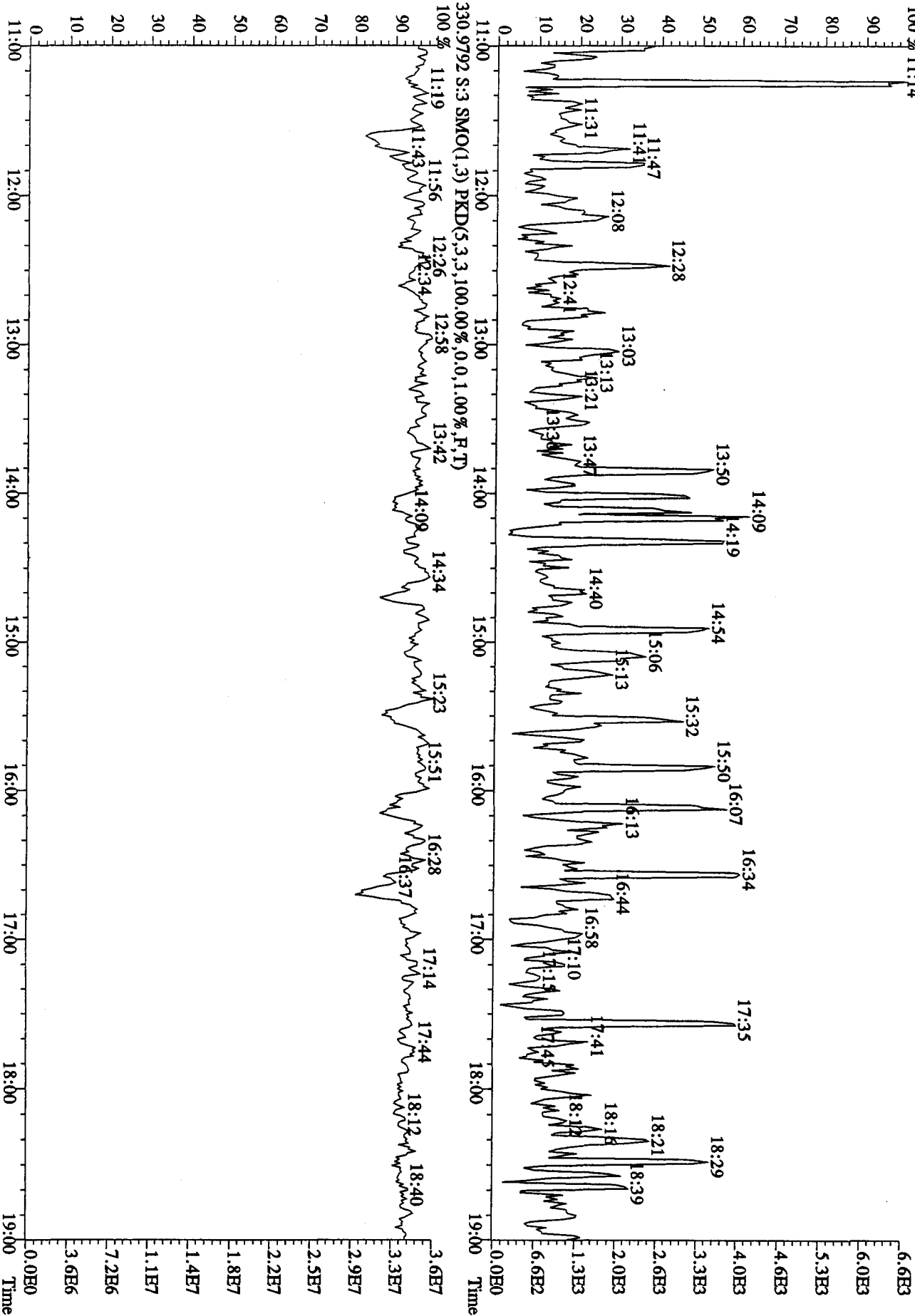
File:03MAY10B5D2 #1-1242 Acq: 3-MAY-2010 23:32:45 GC HI + Voltage SIR 70SE
 Sample#3 Text:SB0503A :Solvent Blank C-14 Exp:DB225RES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2172.0,1.00%,F,T)
 100 %



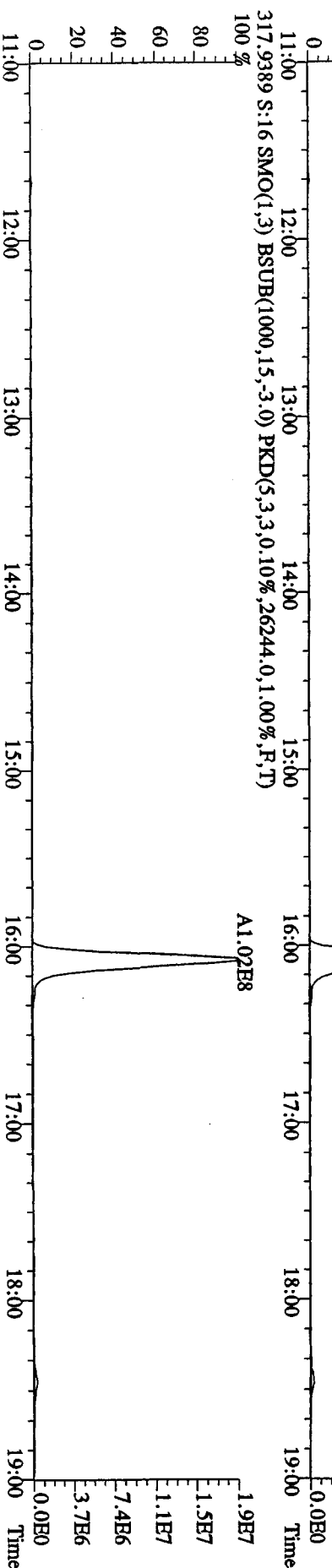
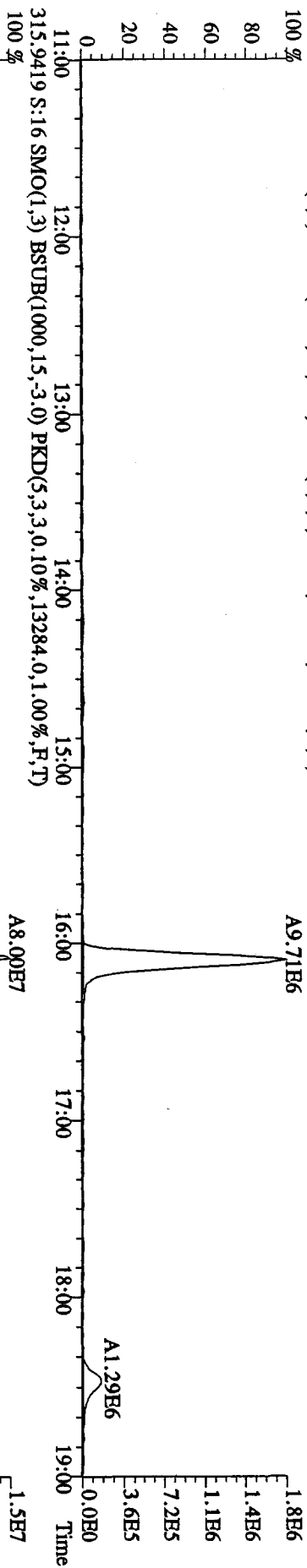
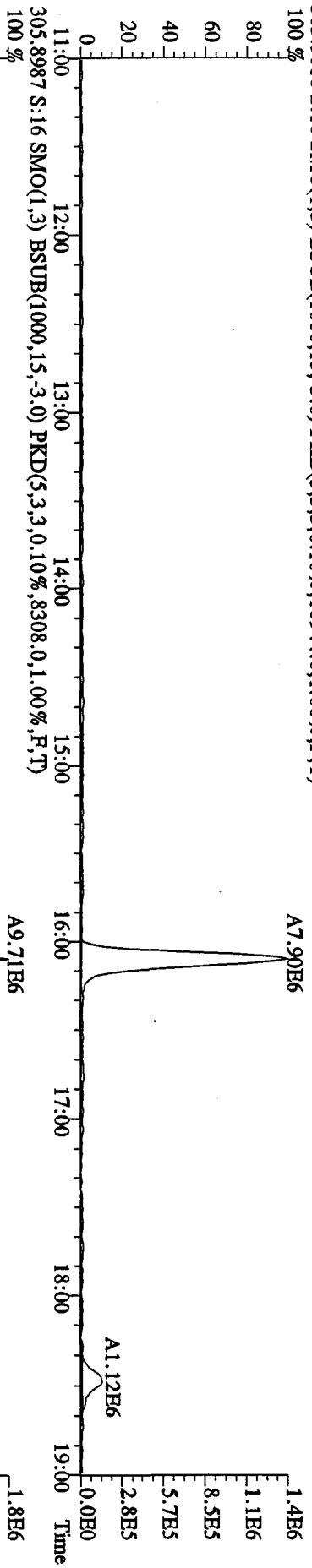
File:03MY10BSD2 #1-1242 Acq: 3-MAY-2010 23:32:45 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0503A :Solvent Blank C-14 Exp:DB225RES
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1380.0,1.00%,F,T)
 100 %



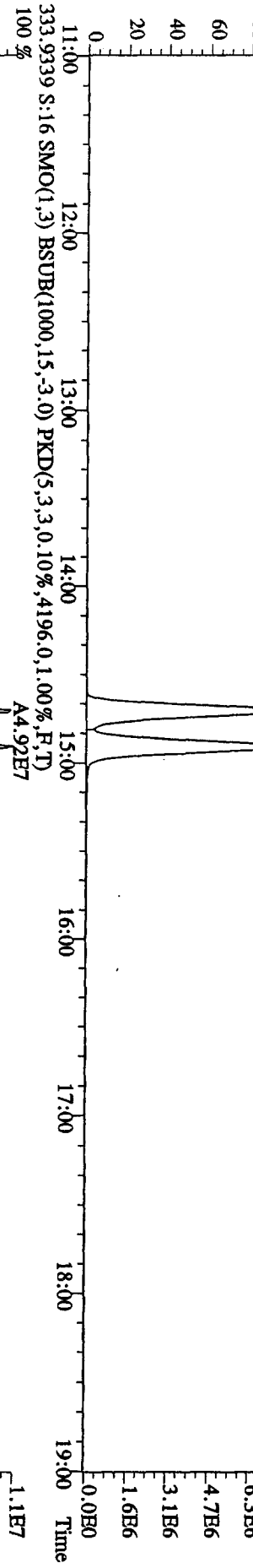
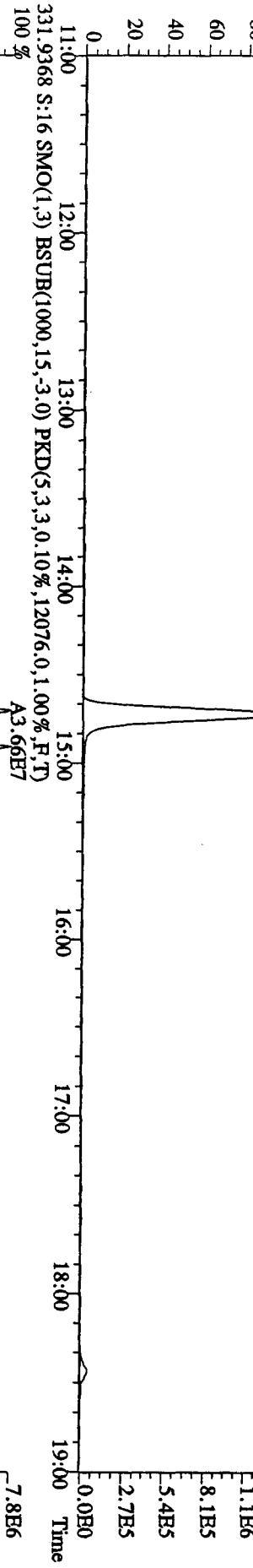
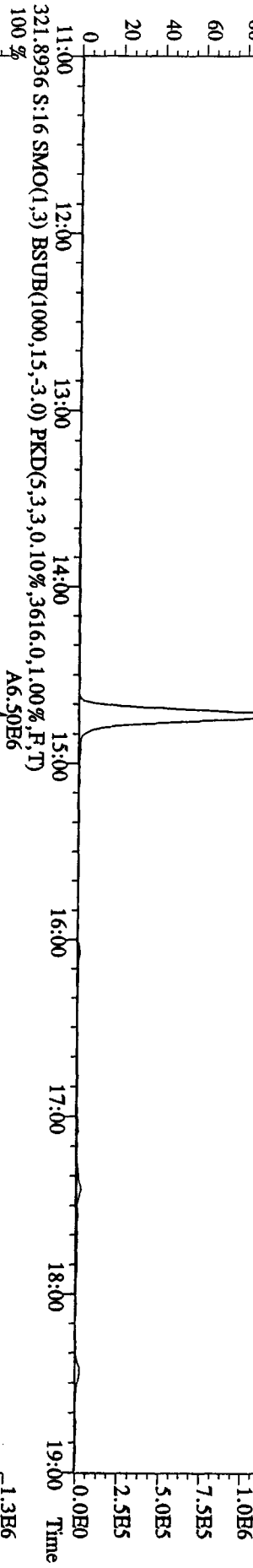
File:03MAY10B5D2 #1-1242 Acq: 3-MAY-2010 23:32:45 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0503A :Solvent Blank C-14 Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1212.0,1.00%,F,T)
 100 % 11:14



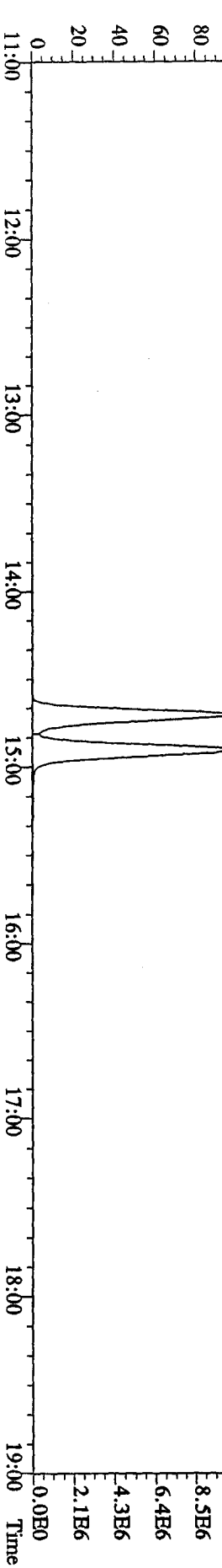
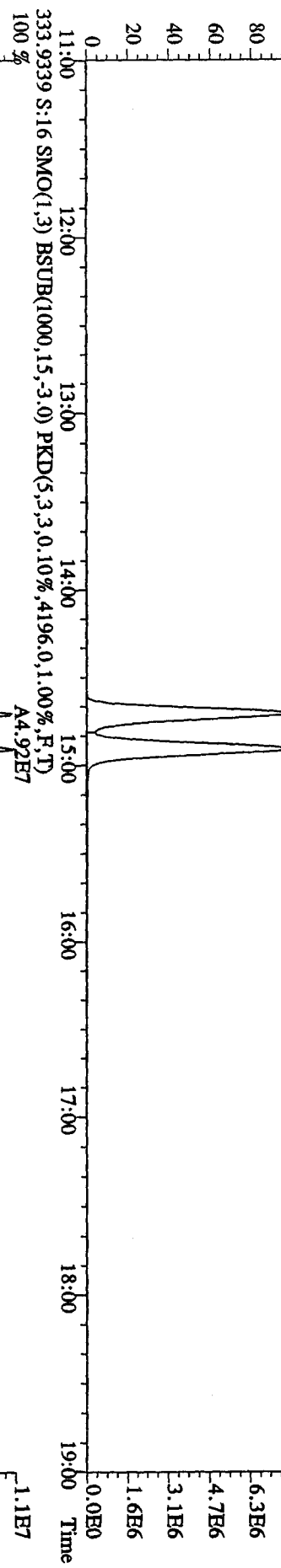
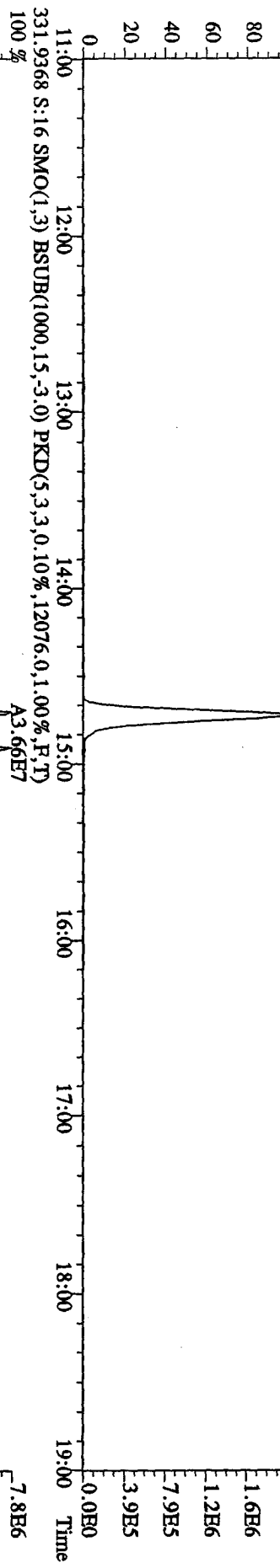
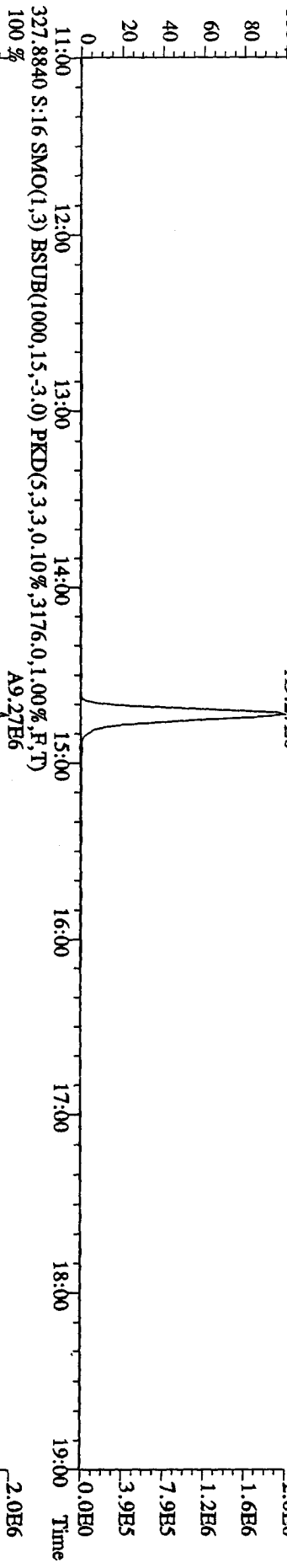
File:03MAY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
 Sample#16 Text:ST0503C :CS3 10DXN111 Exp:DB225RES
 303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10944,0,1,00%,F,T)
 100 %



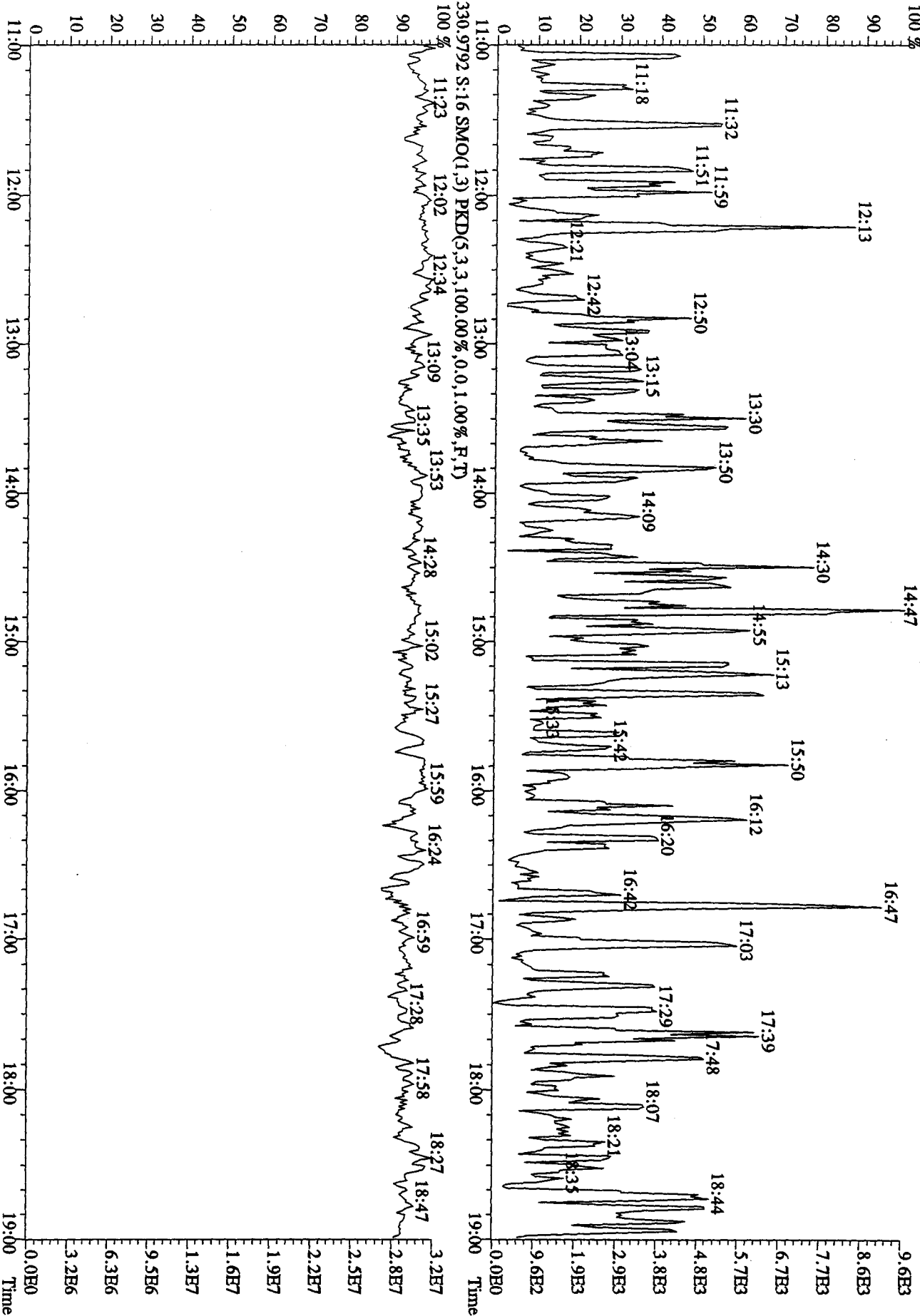
File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0503C :CS3 10DXN111 Exp:DB225RES
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3792.0,1.00%,F,T)
100% A5.75E6



File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
 Sample#16 Text:ST0503C :CS3 10DXN111 Exp:DB25RES
 327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)
 100% A9.27E6



File: 03MAY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
 Sample#16 Text: ST0503C :CS3 10DXN111 Exp: DB225RES
 375.8364 S:1.6 SMO(1.3) BSUB(1000,15,3.0) PKD(5,3,100.00%,1320.0,1.00%,F,T)



Method ID 8290A

Associated ICAL 8290A 04-12-10 4D5

Column ID DB5

Instrument ID 4D5

STD ID ST04-27B, ST04-27C

STD Solution 10DXN083

Analyzed by MG, AM

Date Analyzed 04-28-10, 04-29-10

Std. Pkg. By AS

Date Std. Pkg. Assembled 04-29-10

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 4/29/10

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: ST0427B File text: ST0427B :CS3 10DXN083
 Run #36 Filename 27AP104D5 S: 36 I: 1
 Acquired: 28-APR-10 13:34:36 Processed: 28-APR-10 14:18:43
 Run: 27AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 27AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	161341608	0.82 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	230603664	0.78 y	18:55	1.43	100.00	-6.0	n
2,3,7,8-TCDF	22406623	0.79 y	18:56	0.97	10.00	2.8	n
Total TCDF	22630142	0.58 n	17:56	0.97	10.00	2.8	n
13C-2,3,7,8-TCDD	163694688	0.80 y	19:42	1.01	100.00	6.8	n
2,3,7,8-TCDD	15617373	0.74 y	19:43	0.95	10.00	-6.6	n
Total TCDD	15651169	3.11 n	16:37	0.95	10.00	-6.6	n
37Cl-2,3,7,8-TCDD	37663316	1.00 y	19:43	2.33	10.00	3.2	n
13C-1,2,3,7,8-PeCDF	167538900	1.57 y	24:34	1.04	100.00	-1.1	n
1,2,3,7,8-PeCDF	83680076	1.56 y	24:36	1.00	50.00	-4.4	n
2,3,4,7,8-PeCDF	80248794	1.54 y	26:05	0.96	50.00	-2.5	n
Total F2 PeCDF	165431804	1.37 y	23:02	0.98	100.00	-3.5	n
Total F1 PeCDF	28180	0.24 n	16:40	0.98	100.00	-3.5	n
13C-1,2,3,7,8-PeCDD	119948412	1.57 y	26:53	0.74	100.00	10.9	n
1,2,3,7,8-PeCDD	54382076	1.57 y	26:55	0.91	50.00	-7.7	n
Total PeCDD	54446865	3.95 n	26:24	0.91	50.00	-7.7	n
13C-1,2,3,7,8,9-HxCDD	123636256	1.25 y	33:06	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	104814924	0.51 y	31:55	0.85	100.00	-17.3	n
1,2,3,4,7,8-HxCDF	63987882	1.19 y	31:57	1.22	50.00	0.7	n
1,2,3,6,7,8-HxCDF	79731148	1.21 y	32:03	1.52	50.00	13.3	n
2,3,4,6,7,8-HxCDF	76098260	1.21 y	32:37	1.45	50.00	18.8	n
1,2,3,7,8,9-HxCDF	68841086	1.22 y	33:16	1.31	50.00	20.2	n
Total HxCDF	288658376	1.19 y	31:57	1.38	200.00	13.1	n
13C-1,2,3,6,7,8-HxCDD	112488604	1.28 y	32:49	0.91	100.00	12.7	n
1,2,3,4,7,8-HxCDD	51936532	1.27 y	32:45	0.92	50.00	-8.3	n
1,2,3,6,7,8-HxCDD	61167228	1.28 y	32:50	1.09	50.00	-2.4	n
1,2,3,7,8,9-HxCDD	61570580	1.26 y	33:06	1.09	50.00	-9.5	n
Total HxCDD	174674340	1.27 y	32:45	1.04	150.00	-6.7	n
13C-1,2,3,4,6,7,8-HpCDF	102190756	0.44 y	34:36	0.83	100.00	-4.2	n
1,2,3,4,6,7,8-HpCDF	66249742	0.96 y	34:36	1.30	50.00	-1.0	n
1,2,3,4,7,8,9-HpCDF	53456846	0.97 y	35:44	1.05	50.00	2.0	n
Total HpCDF	120139353	0.96 y	34:36	1.17	100.00	0.3	n
13C-1,2,3,4,6,7,8-HpCDD	83596904	1.05 y	35:24	0.68	100.00	-3.1	n
1,2,3,4,6,7,8-HpCDD	43031830	1.04 y	35:25	1.03	50.00	-4.0	n
Total HpCDD	43481592	0.90 y	34:50	1.03	50.00	-4.0	n
13C-OCDD	135325724	0.91 y	37:54	0.55	200.00	3.0	n
OCDF	91001696	0.90 y	38:01	1.34	100.00	-6.9	n
OCDD	76809196	0.89 y	37:55	1.14	100.00	-2.7	n

Run text: ST0427C File text: ST0427C :CS3 10DXN083
 Run #50 Filename 27AP104D5 S: 52 I: 1
 Acquired: 29-APR-10 01:19:19 Processed: 29-APR-10 07:46:26
 Run: 27AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 27AP104D58290A

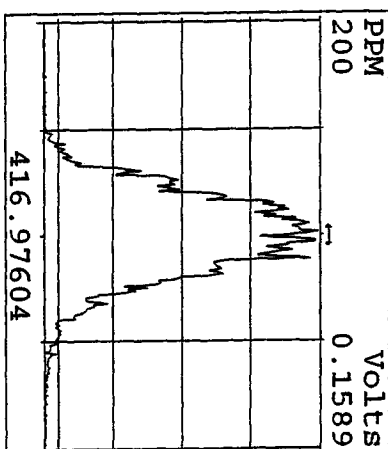
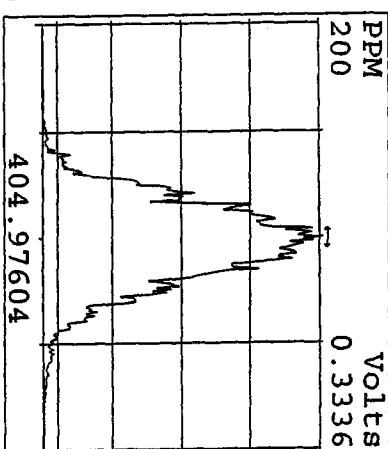
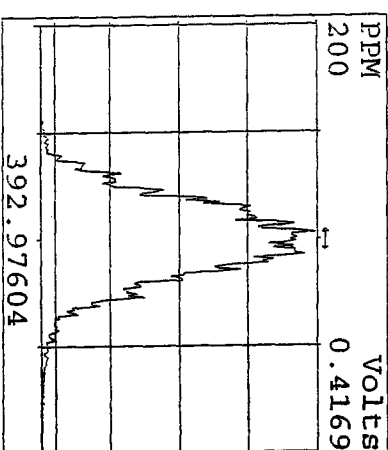
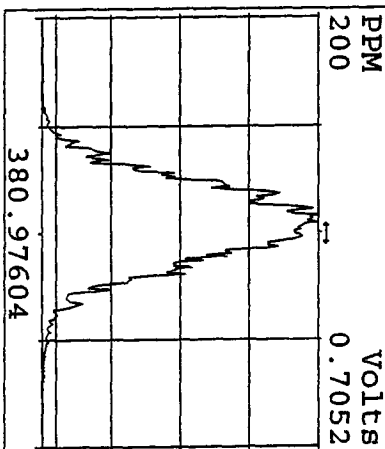
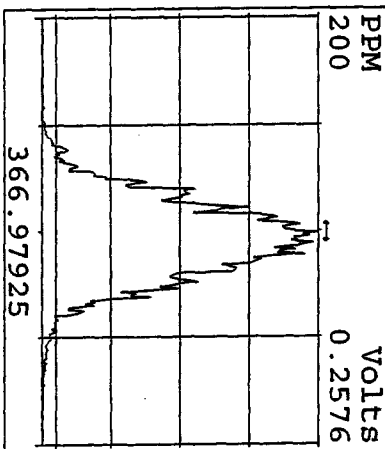
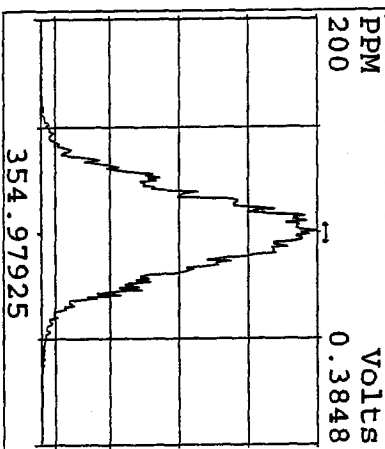
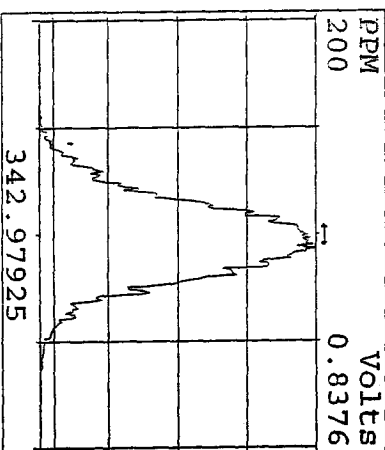
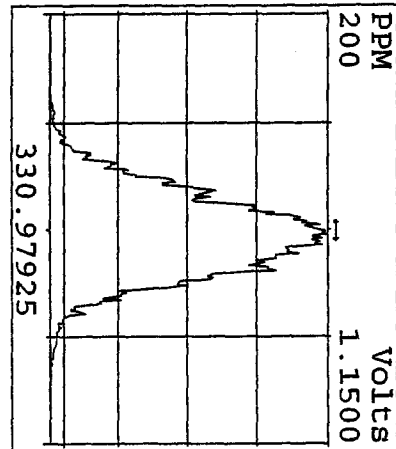
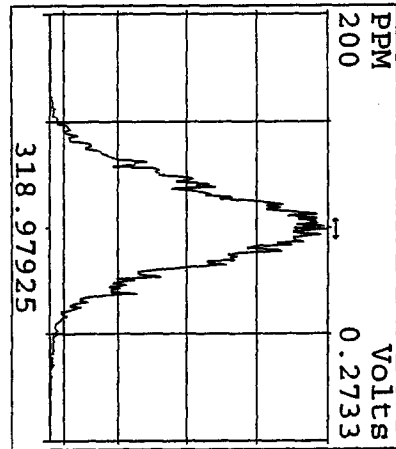
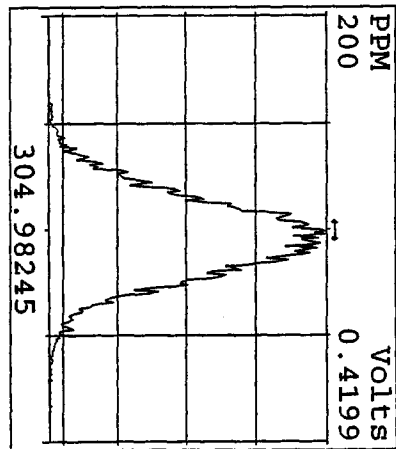
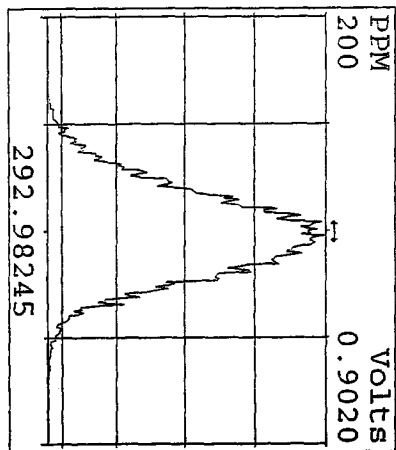
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	120063272	0.80 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	179541248	0.78 y	18:55	1.50	100.00	-1.7	n
2,3,7,8-TCDF	16884928	0.78 y	18:56	0.94	10.00	-0.5	n
Total TCDF	16974299	0.99 n	18:31	0.94	10.00	-0.5	n
13C-2,3,7,8-TCDD	120288960	0.79 y	19:41	1.00	100.00	5.5	n
2,3,7,8-TCDD	10881670	0.74 y	19:43	0.90	10.00	-11.4	n
Total TCDD	10944244	3.92 n	16:38	0.90	10.00	-11.4	n
37Cl-2,3,7,8-TCDD	26580022	1.00 y	19:42	2.21	10.00	-2.1	n
13C-1,2,3,7,8-PeCDF	119889976	1.57 y	24:33	1.00	100.00	-4.9	n
1,2,3,7,8-PeCDF	58624336	1.57 y	24:34	0.98	50.00	-6.4	n
2,3,4,7,8-PeCDF	56456030	1.56 y	26:05	0.94	50.00	-4.1	n
Total F2 PeCDF	116316837	1.67 y	23:01	0.96	100.00	-5.3	n
Total F1 PeCDF	41498	0.04 n	15:18	0.96	100.00	-5.3	n
13C-1,2,3,7,8-PeCDD	87492112	1.57 y	26:52	0.73	100.00	8.7	n
1,2,3,7,8-PeCDD	38842772	1.58 y	26:54	0.89	50.00	-9.6	n
Total PeCDD	38930872	1.58 y	26:54	0.89	50.00	-9.6	n
13C-1,2,3,7,8,9-HxCDD	83827000	1.28 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	75876410	0.51 y	31:55	0.91	100.00	-11.7	n
1,2,3,4,7,8-HxCDF	45624590	1.16 y	31:56	1.20	50.00	-0.8	n
1,2,3,6,7,8-HxCDF	52344380	1.19 y	32:02	1.38	50.00	2.8	n
2,3,4,6,7,8-HxCDF	46796236	1.18 y	32:37	1.23	50.00	0.9	n
1,2,3,7,8,9-HxCDF	41226238	1.20 y	33:16	1.09	50.00	-0.5	n
Total HxCDF	186093065	1.13 y	30:47	1.23	200.00	0.7	n
13C-1,2,3,6,7,8-HxCDD	71110518	1.27 y	32:49	0.85	100.00	5.1	n
1,2,3,4,7,8-HxCDD	33940950	1.25 y	32:45	0.95	50.00	-5.2	n
1,2,3,6,7,8-HxCDD	37629255	1.30 y	32:50	1.06	50.00	-5.0	n
1,2,3,7,8,9-HxCDD	41119648	1.27 y	33:06	1.16	50.00	-4.3	n
Total HxCDD	112896886	1.25 y	32:45	1.06	150.00	-4.8	n
13C-1,2,3,4,6,7,8-HpCDF	62472954	0.44 y	34:35	0.75	100.00	-13.6	n
1,2,3,4,6,7,8-HpCDF	39589278	0.99 y	34:36	1.27	50.00	-3.2	n
1,2,3,4,7,8,9-HpCDF	30664724	0.97 y	35:44	0.98	50.00	-4.3	n
Total HpCDF	70254002	0.99 y	34:36	1.12	100.00	-3.7	n
13C-1,2,3,4,6,7,8-HpCDD	53422596	1.06 y	35:24	0.64	100.00	-8.6	n
1,2,3,4,6,7,8-HpCDD	27273221	1.03 y	35:25	1.02	50.00	-4.7	n
Total HpCDD	27384113	0.77 n	34:51	1.02	50.00	-4.7	n
13C-OCDD	72862552	0.91 y	37:54	0.43	200.00	-18.2	n
OCDF	48347128	0.92 y	38:01	1.33	100.00	-8.2	n
OCDD	40784846	0.89 y	37:55	1.12	100.00	-4.0	n

data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
27AP104D5	1	ST0427	CS3 10DXN083				1.00000	
27AP104D5	2	CP0427	DB-5 CPSM 3732-05				1.00000	
27AP104D5	3	SB0427	Solvent Blank C-14				1.00000	
27AP104D5	4	L0CQF-1-AA	G0D220000-242B	20	8290/SOLID	79	1.00000	L
27AP104D5	5	L0CQF-1-AD	G0D220000-242B	20	8290/SOLID		1.00000	L
27AP104D5	6	L0CQF-1-AC	G0D220000-242C	20	8290/SOLID		1.00000	L
27AP104D5	7	LXXKG-1-AD	G0D140422-1	10	8290/SOLID	73	10.32000	g
27AP104D5	8	LXXKQ-1-AD	G0D140422-3	10	8290/SOLID		10.22000	g
27AP104D5	9	LXXKG-1-AD	G0D140422-1 RI	10	8290/SOLID		10.32000	g
27AP104D5	10	LXXKW-1-AD	G0D140422-5	10	8290/SOLID		10.21000	g
27AP104D5	11	LXXK4-1-AD	G0D140422-7	10	8290/SOLID		10.10000	g
27AP104D5	12	LXXLD-1-AD	G0D140422-9	10	8290/SOLID		10.24000	g
27AP104D5	13	LXXLV-1-AD	G0D140422-11	10	8290/SOLID		10.04000	g
27AP104D5	14	LXXTR-1-AD	G0D140435-4	10	8290/SOLID	75	10.03000	g
27AP104D5	15	LXXQX-1-AD	G0D140435-1	10	8290/SOLID		10.58000	g
27AP104D5	16	LXXTC-1-AD	G0D140435-2	10	8290/SOLID		10.32000	g
27AP104D5	17	LX6LV-1-AC	G0D080425-50 (20x)	10	8290/SOLID	77	10.17000	g
27AP104D5	18	SB0427A	Solvent Blank C-14				1.00000	
27AP104D5	19	ST0427A	CS3 10DXN083				1.00000	
27AP104D5	20	CP0427A	DB-5 CPSM 3732-05				1.00000	
27AP104D5	21	SB0427B	Solvent Blank C-14				1.00000	
27AP104D5	22	L0JAN-1-AAB	G0D210497-1MB	20	8290/WATER	83	1.00000	L
27AP104D5	23	L0JAN-1-ACC	G0D210497-1LCS	20	8290/WATER		1.00000	L
27AP104D5	24	L0FPW-1-AE	G0D230544-1	20	8290/WATER		0.99830	L
27AP104D5	25	L0FVA-1-AH	G0D230544-2	20	8290/WATER		1.00220	L
27AP104D5	26	L0JDH-1-AAB	G0D080598-1MBRX	20	8290/SOLID	83	10.00000	g
27AP104D5	27	L0JDH-1-ACC	G0D080598-1LCSRX	20	8290/SOLID		10.00000	g
27AP104D5	28	LXPHR-3-AA	G0D080598-1RX	20	8290/SOLID		10.97000	g
27AP104D5	29	LXX4J-3-AA	G0D140468-1RX	20	8290/SOLID		10.03000	g
27AP104D5	30	LXX4V-3-AA	G0D140468-2RX	20	8290/SOLID		10.79000	g
27AP104D5	31	LXX44-3-AA	G0D140468-3RX	20	8290/SOLID		10.00000	g
27AP104D5	32	LXX44-3-ALS	G0D140468-3SRX	20	8290/SOLID		10.62000	g
27AP104D5	33	LXX44-3-AMD	G0D140468-3DRX	20	8290/SOLID		10.22000	g
27AP104D5	34	L0CQF-1-AC	G0D220000-242C RI	20	8290/SOLID	79	1.00000	L
27AP104D5	35	SB0427C	Solvent Blank C-14				1.00000	
27AP104D5	36	ST0427B	CS3 10DXN083				1.00000	
27AP104D5	37	CP0427B	DB-5 CPSM 3732-05				1.00000	
27AP104D5	38	SB0427D	Solvent Blank C-14				1.00000	
27AP104D5	39	LX6LV-1-AC	G0D080425-50 (20x) RI	10	8290/SOLID	77	10.17000	g
27AP104D5	40	LXX5A-3-AA	G0D140468-4RX	20	8290/SOLID	83	10.06000	g
27AP104D5	41	LXX5E-3-AA	G0D140468-5RX	20	8290/SOLID		10.41000	g
27AP104D5	42	LXX5J-3-AA	G0D140468-6RX	20	8290/SOLID		10.79000	g
27AP104D5	43	LXX5K-3-AA	G0D140468-7RX	20	8290/SOLID		10.13000	g
27AP104D5	44	LXX5L-3-AA	G0D140468-8RX	20	8290/SOLID		10.52000	g
27AP104D5	45	LXX5Q-3-AA	G0D140468-9RX	20	8290/SOLID		10.31000	g
27AP104D5	46	LXX5T-3-AA	G0D140468-10RX	20	8290/SOLID		10.50000	g
27AP104D5	47	L0LTL-1-ACC	G0D190475-1LCSRX	20	8290/SOLID	84	10.00000	g
27AP104D5	48	L0LTL-1-AAB	G0D190475-1MBRX	20	8290/SOLID		10.00000	g
27AP104D5	49	LX7EN-2-AC	G0D190475-1RX	20	8290/SOLID		10.01000	g
27AP104D5	50	LX7EP-2-AC	G0D190475-2RX	20	8290/SOLID		10.17000	g
27AP104D5	51	SB0427E	Solvent Blank C-14				1.00000	
27AP104D5	52	ST0427C	CS3 10DXN083				1.00000	
27AP104D5	53	CP0427C	DB-5 CPSM 3732-05				1.00000	

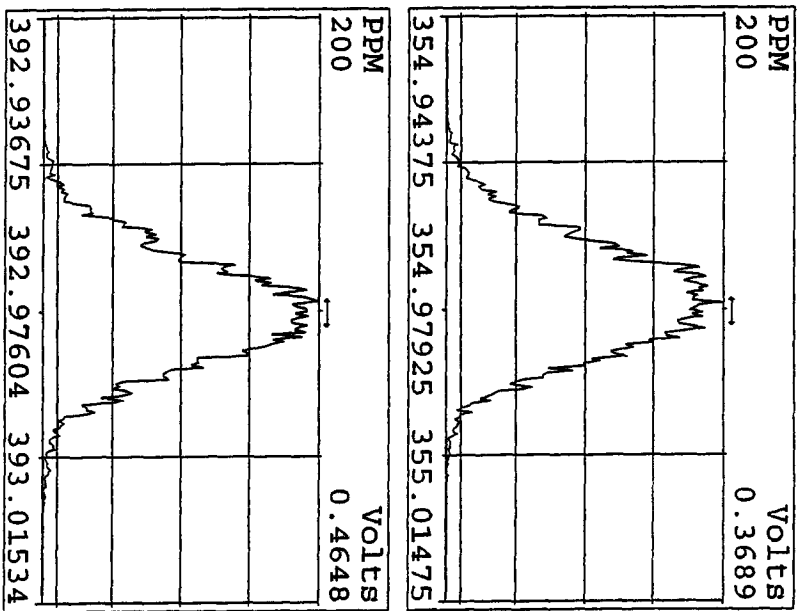
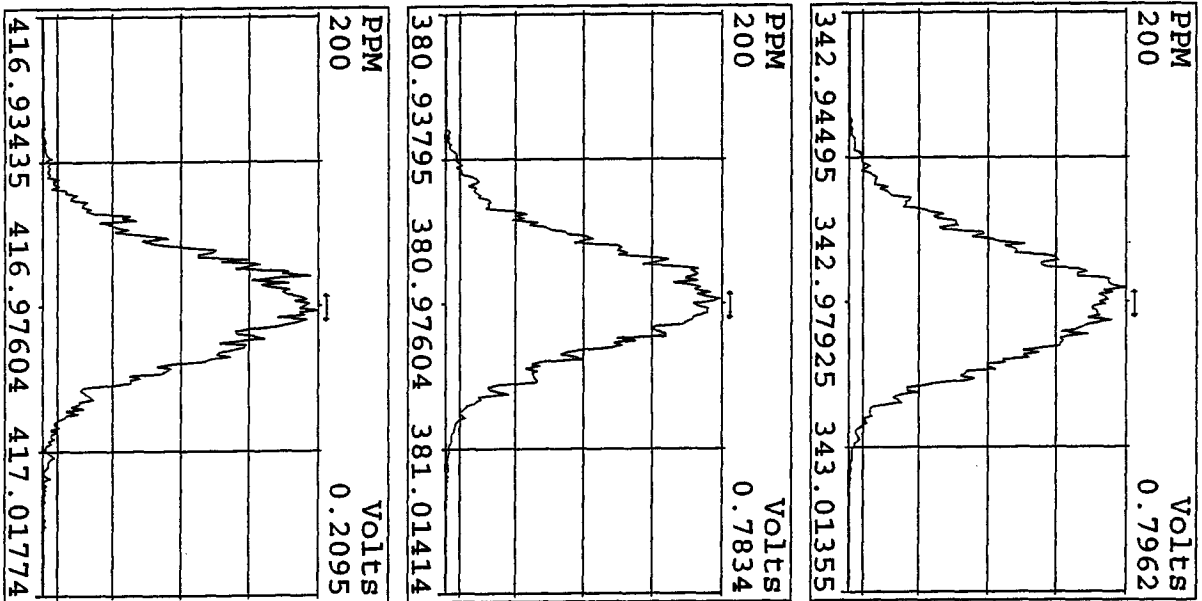
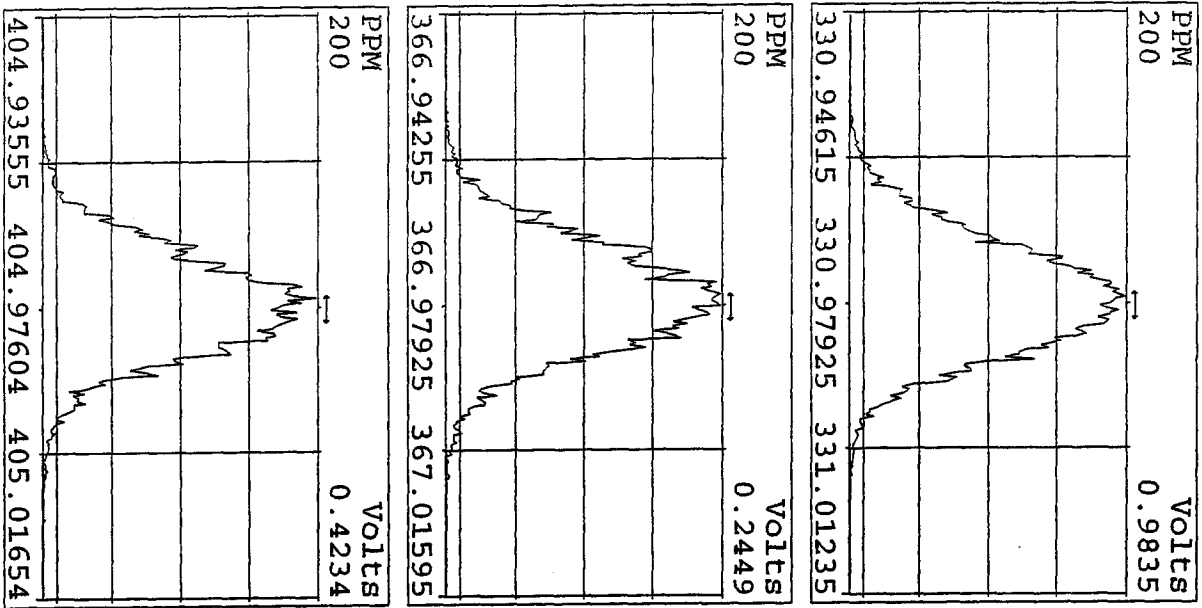
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27AP104D5	56	LX7ER-2-AC	G0D190475-4RX	20	8290/SOLID		10.48000 g
27AP104D5	57	LX7EV-2-AC	G0D190475-5RX	20	8290/SOLID		10.29000 g
27AP104D5	58	LX7EW-2-AC	G0D190475-6RX	20	8290/SOLID		10.14000 g
27AP104D5	59	LX7EX-2-AC	G0D190475-7RX	20	8290/SOLID		10.08000 g
27AP104D5	60	LX7E0-2-AC	G0D190475-8RX	20	8290/SOLID		10.20000 g
27AP104D5	61	LX7E1-2-AC	G0D190475-9RX	20	8290/SOLID		10.17000 g
27AP104D5	62	LX7E2-2-AC	G0D190475-10RX	20	8290/SOLID		10.07000 g
27AP104D5	63	LX7E3-2-AC	G0D190475-11RX	20	8290/SOLID		10.05000 g
27AP104D5	64	LX7E4-2-AC	G0D190475-12RX	20	8290/SOLID		10.07000 g
27AP104D5	65	LX7E5-2-AC	G0D190475-13RX	20	8290/SOLID		10.04000 g
27AP104D5	66	LX7E6-2-AC	G0D190475-14RX	20	8290/SOLID		10.25000 g
27AP104D5	67	SB0427G	Solvent Blank C-14				1.00000
27AP104D5	68	ST0427D	CS3 10DXN083				1.00000
27AP104D5	69	SB0427H	Solvent Blank C-14				1.00000
27AP104D5	70	LON3J-1-AA	G0D280586-4	20	8290/SOLID	SCR2	0.02008 g
27AP104D5	71	LON3N-1-AA	G0D280586-5	20	8290/SOLID		0.02010 g
27AP104D5	72	LON3N-1-AA	G0D280586-6	20	8290/SOLID		0.02044 g
27AP104D5	73						1.00000
27AP104D5	74						1.00000
27AP104D5	75						1.00000
27AP104D5	76		MG, AM 04/27/10				1.00000

*log file checked
AK
AS
04/29/10*

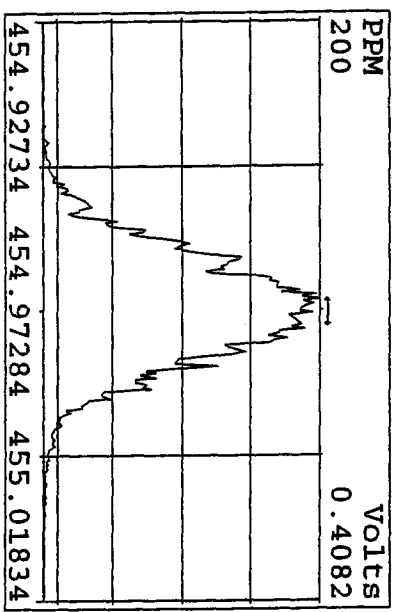
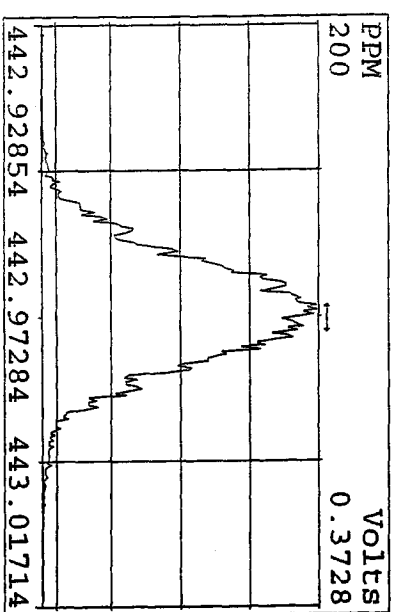
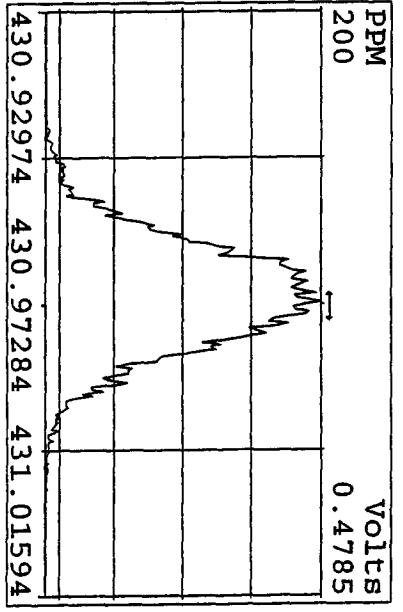
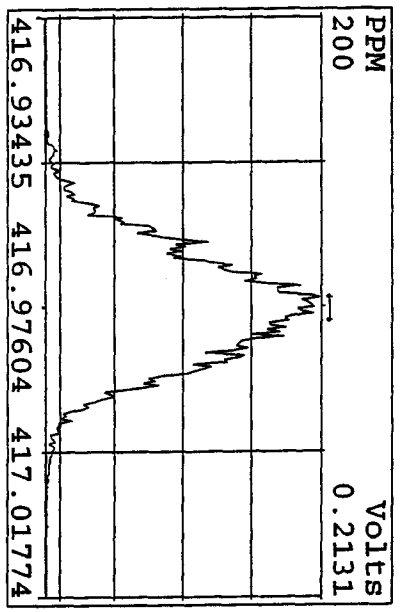
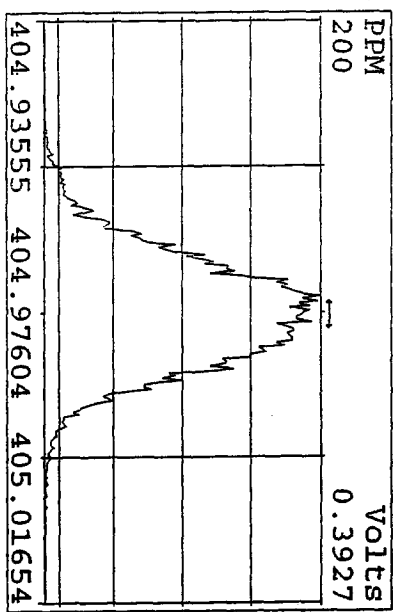
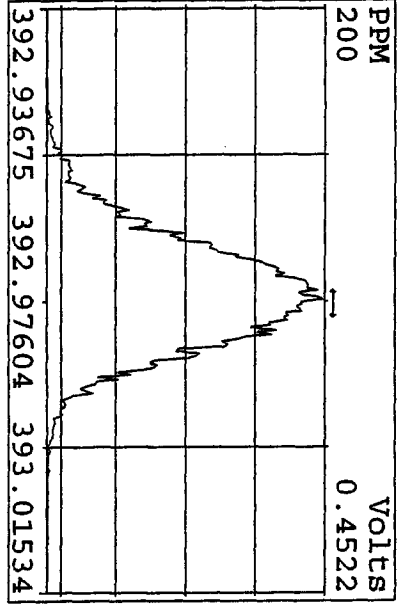
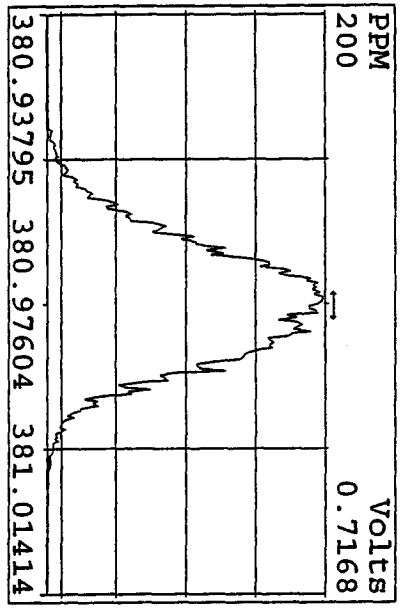
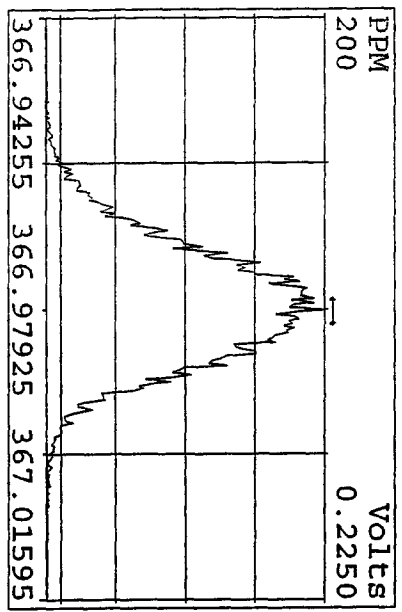
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Experiment: DIOXINRES8290A Function: 1 Reference: PFK



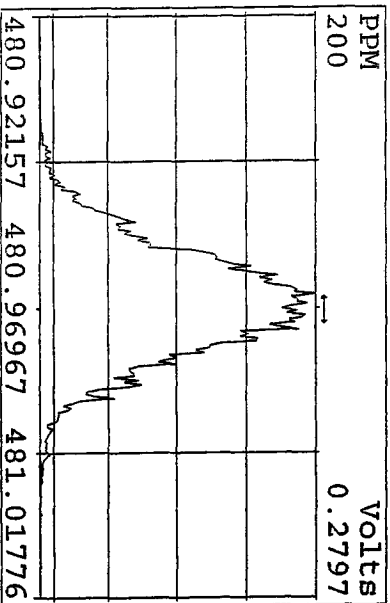
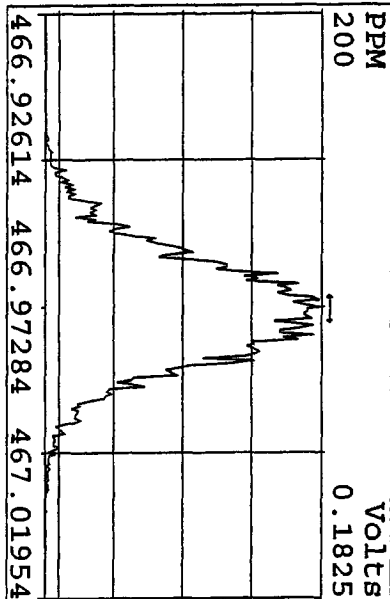
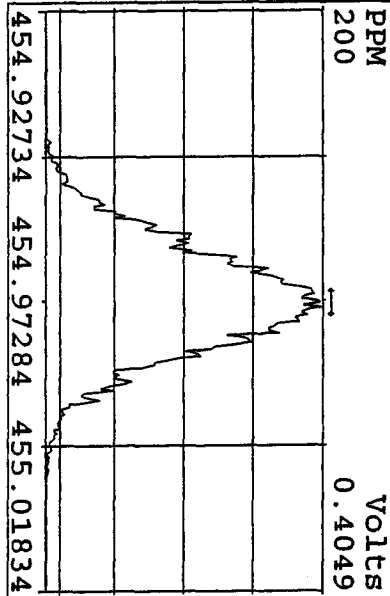
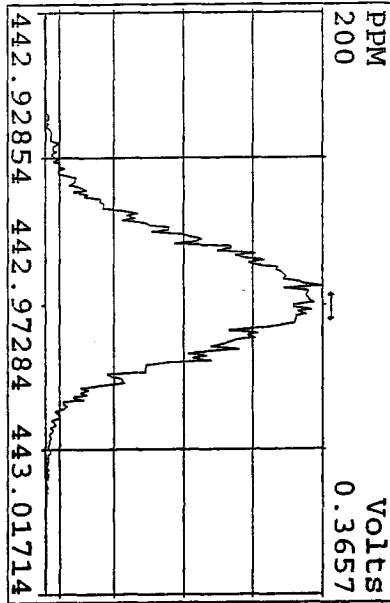
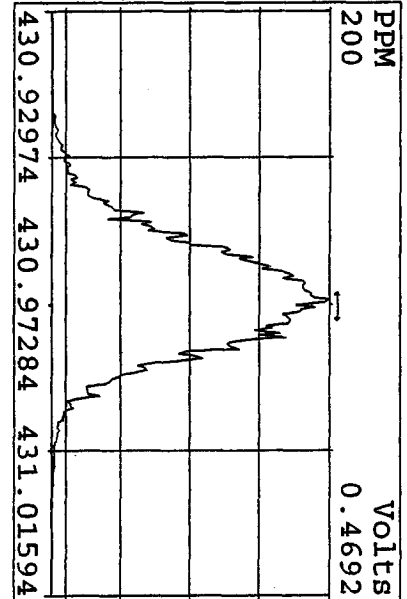
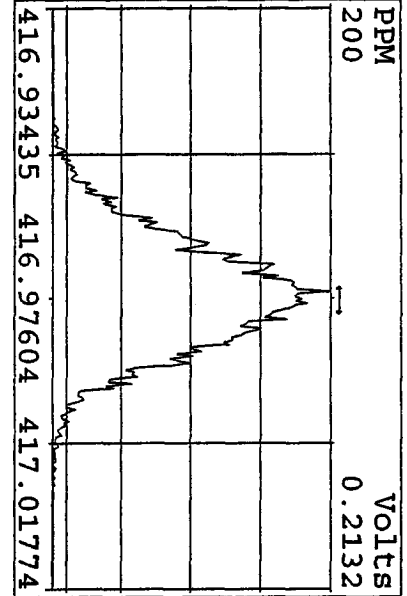
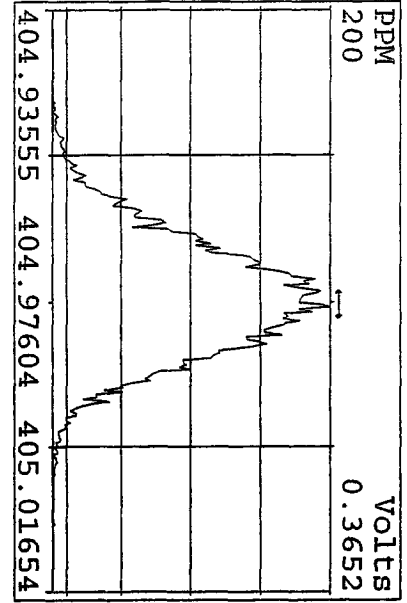
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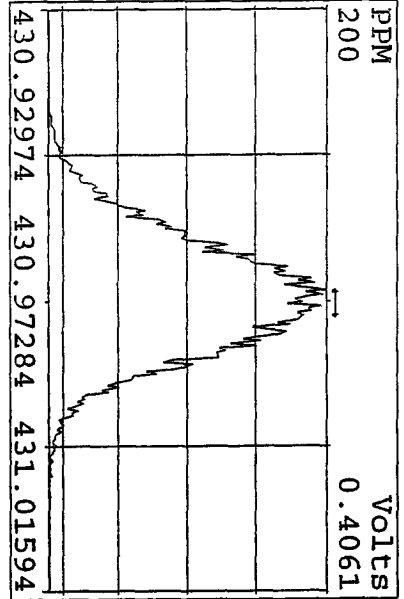
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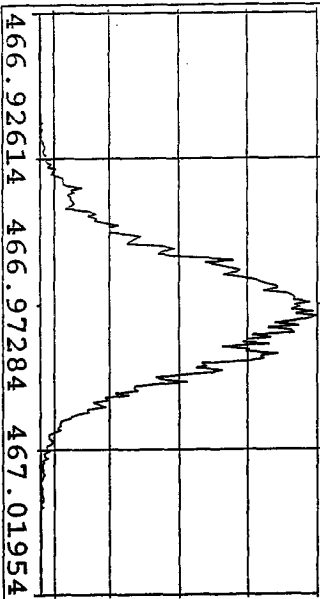
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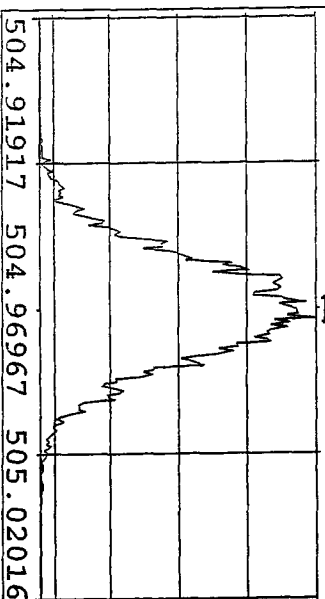
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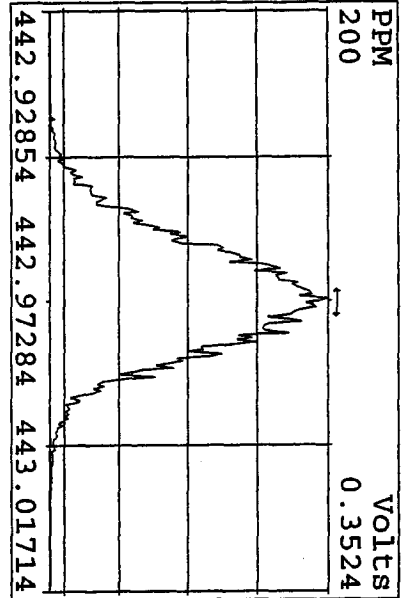
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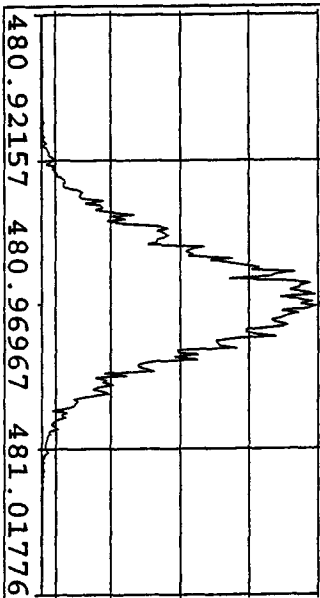
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 VOLTS 0.1722
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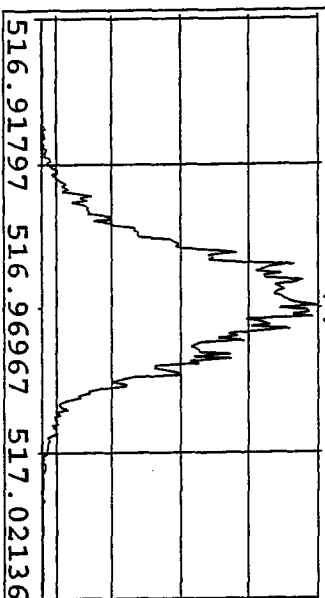
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 VOLTS 0.3154
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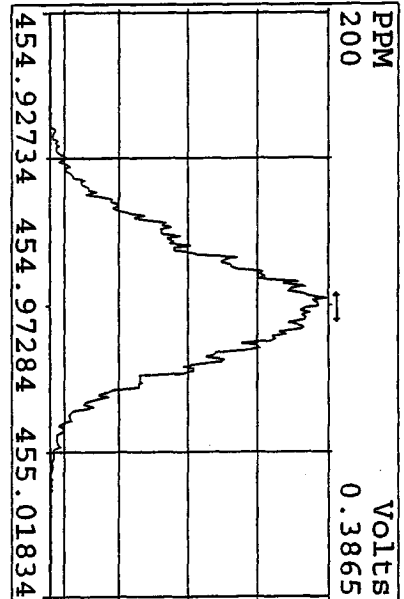
PPM 200
 VOLTS 0.3524
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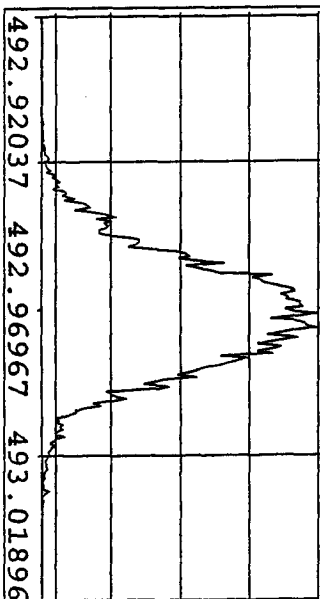
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 VOLTS 0.2594
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PPM 200
 VOLTS 0.2135
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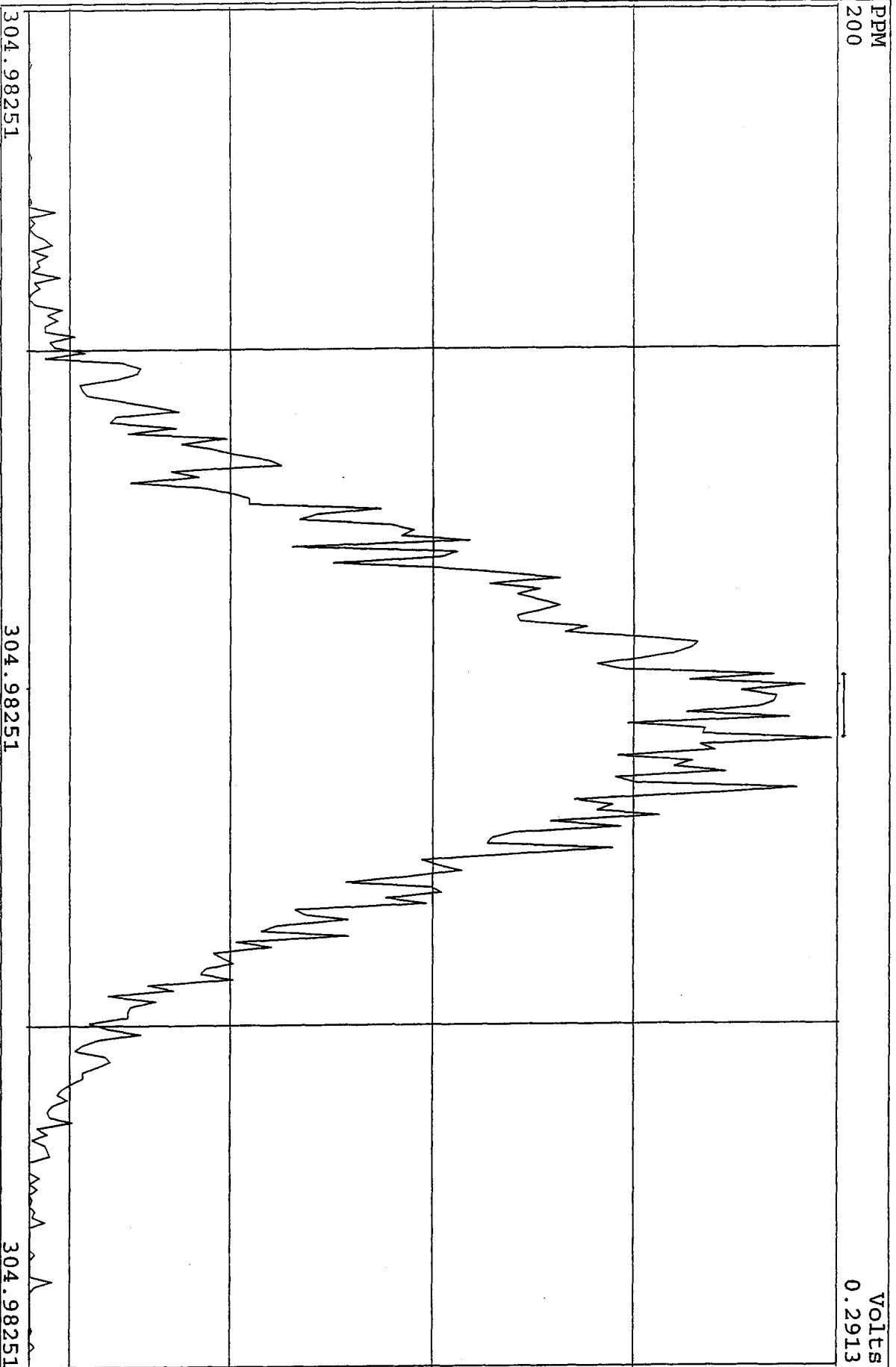


PPM 200
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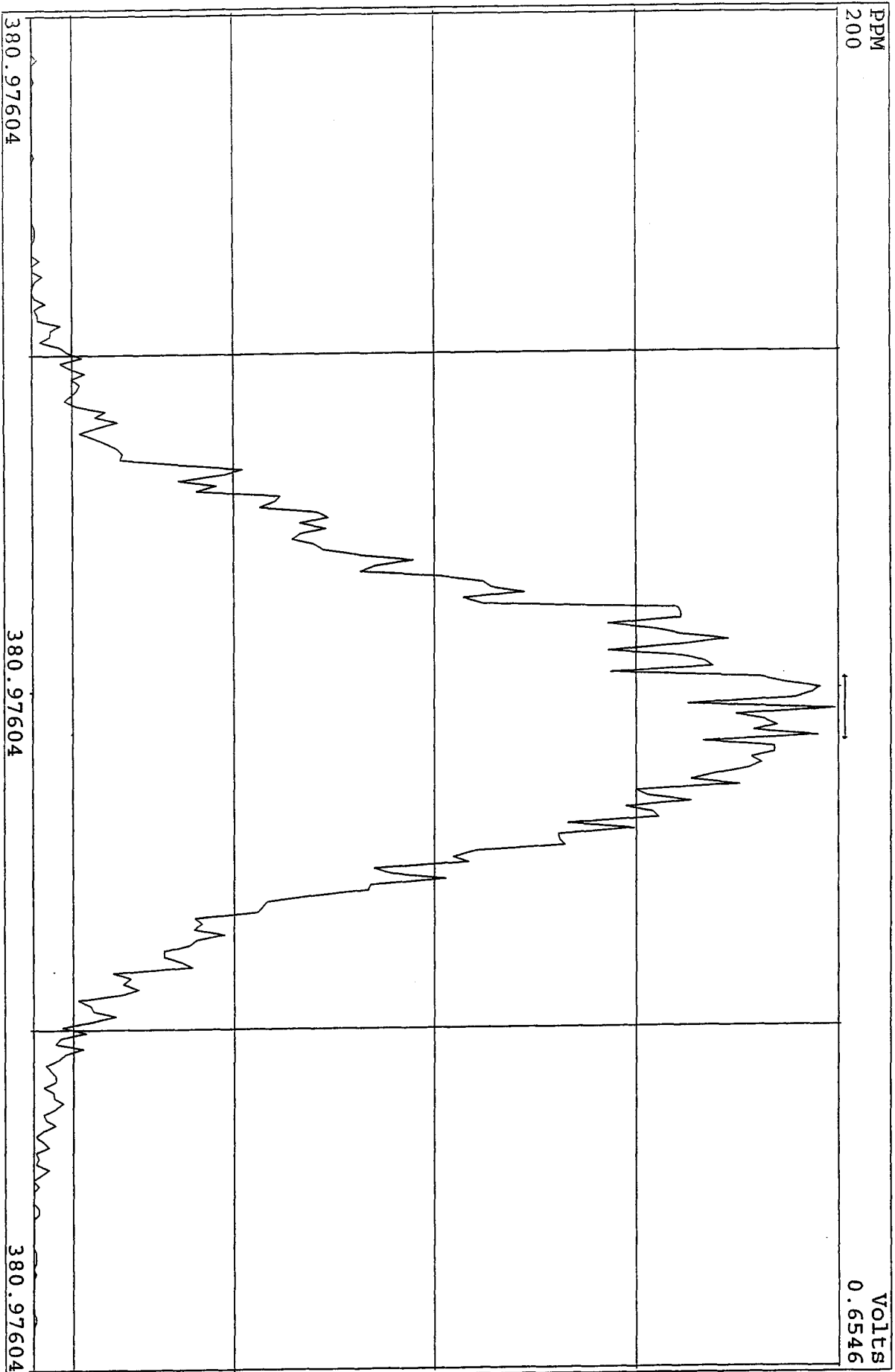


PPM 200
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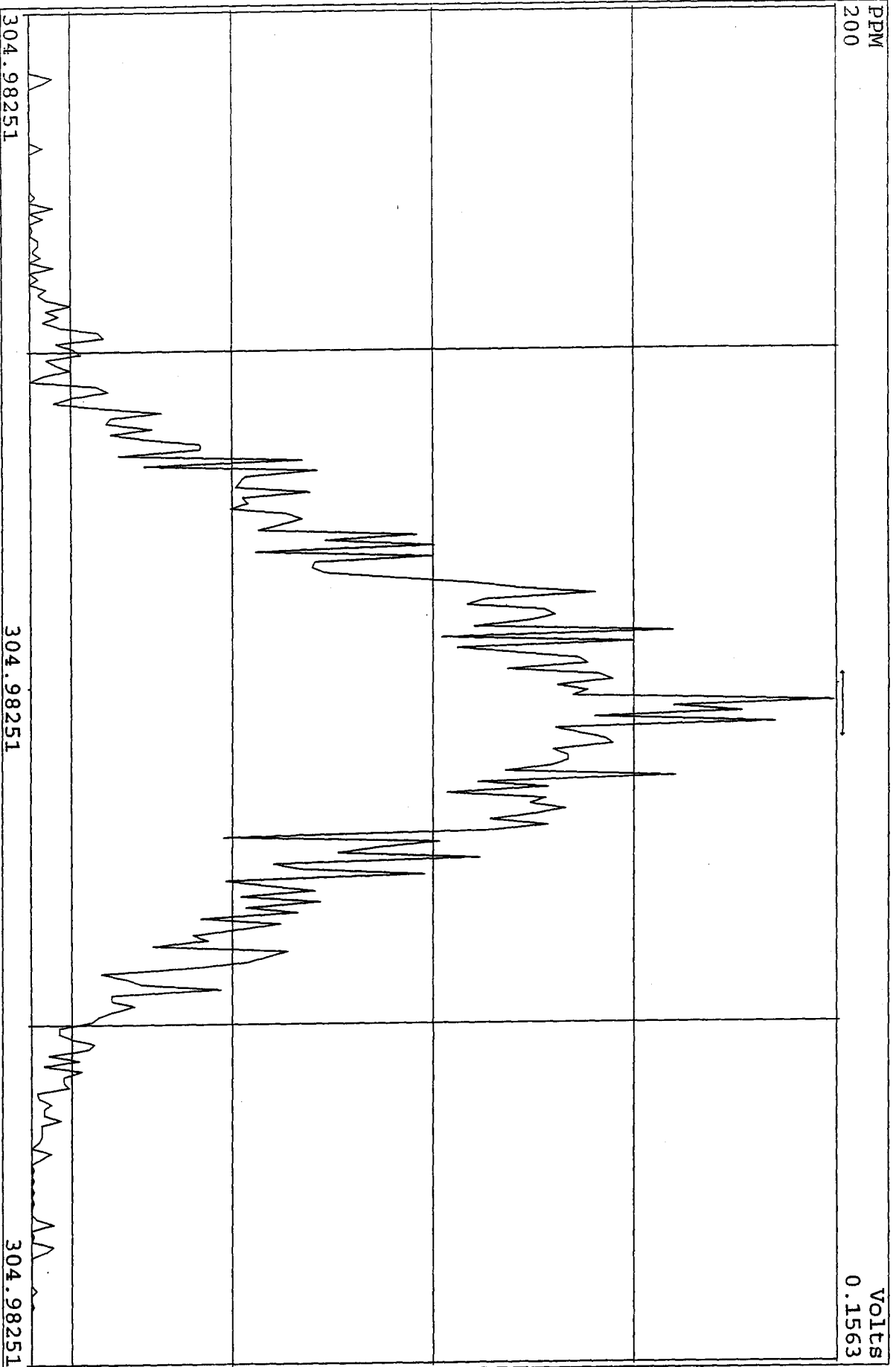
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Experiment: DIOXINRES8290A Function: 7



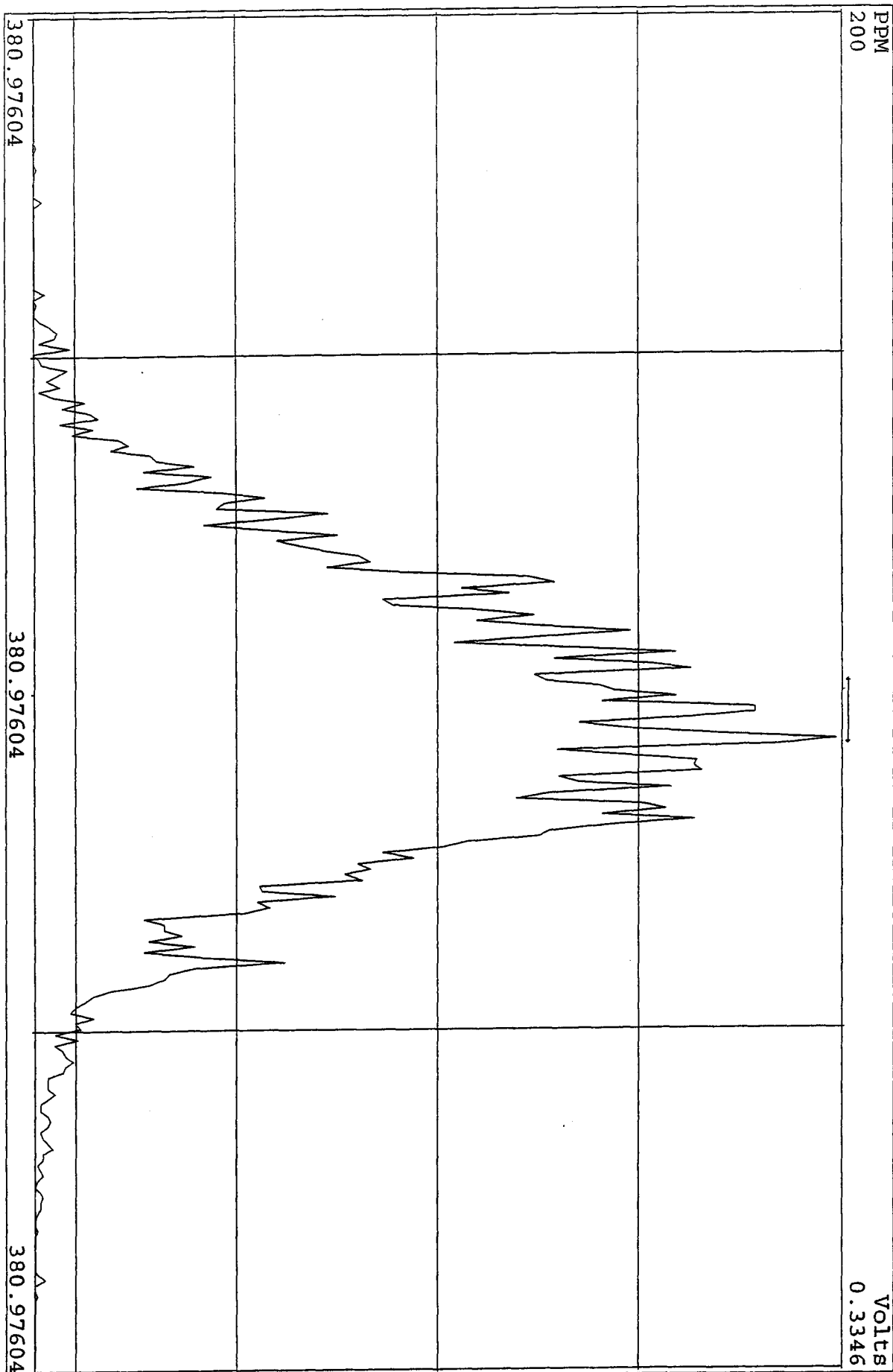
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Experiment: DIOXINRES8290A Function: 6



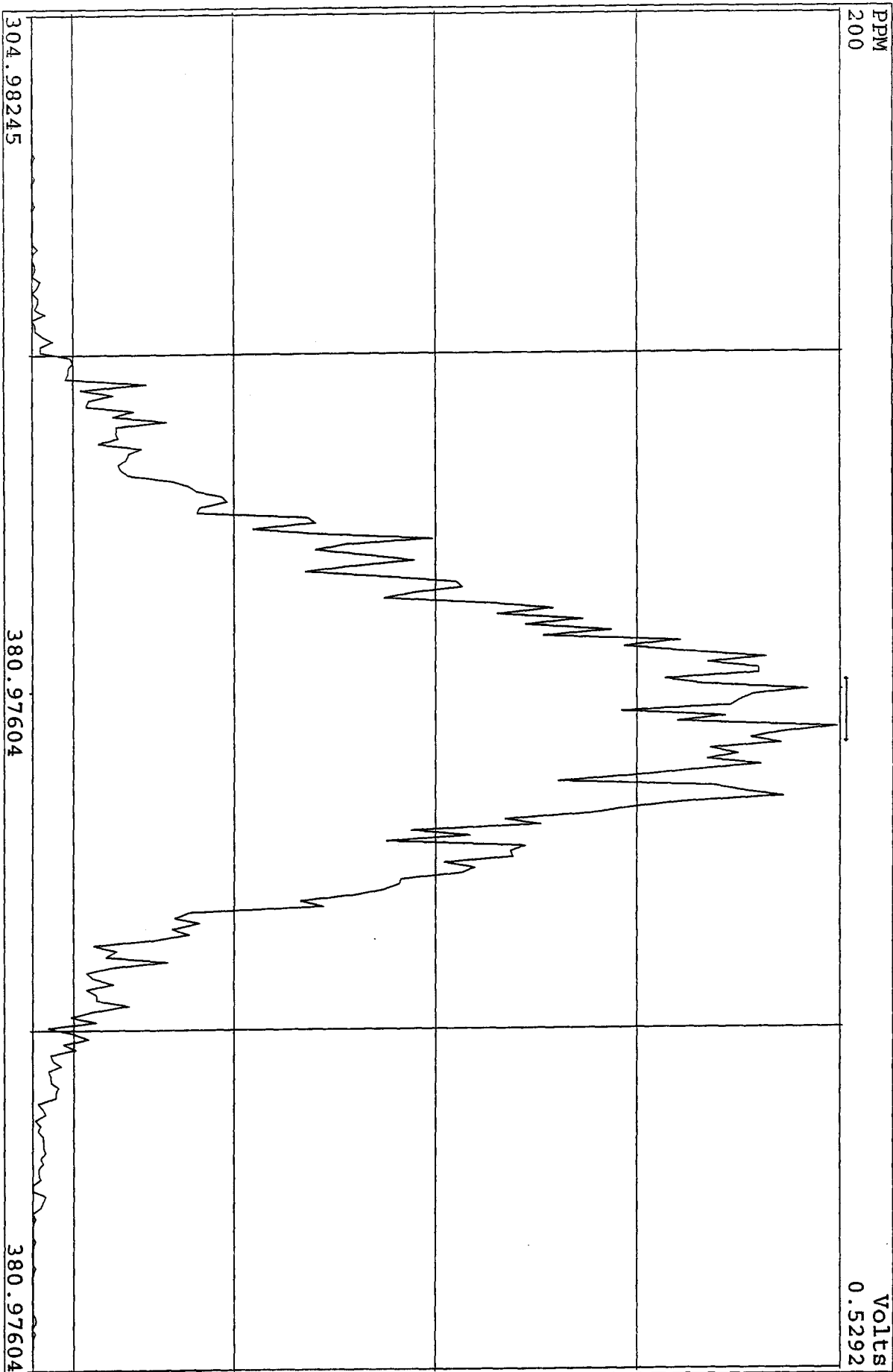
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Experiment: DIOXINRES8290A Function: 7



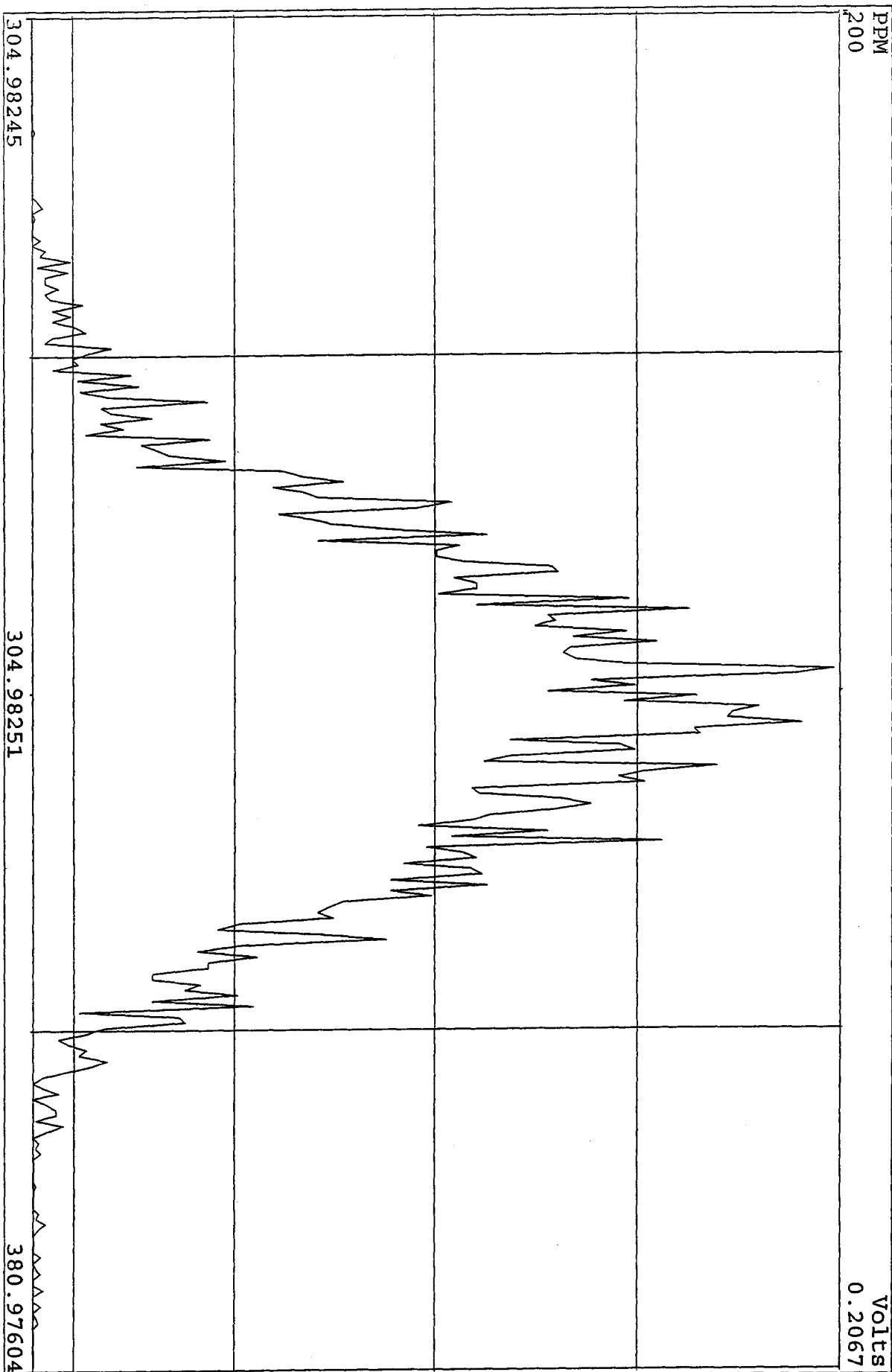
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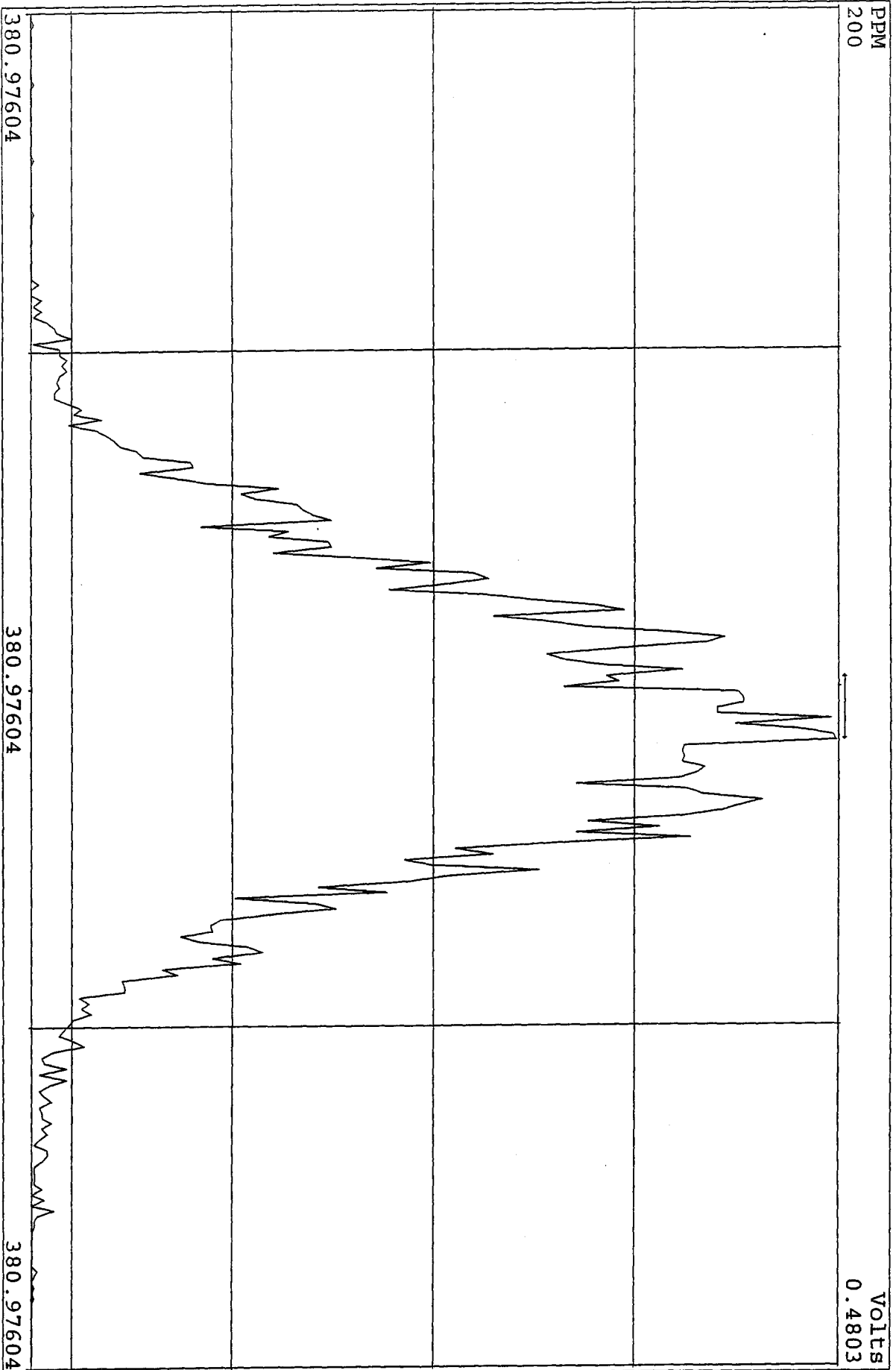
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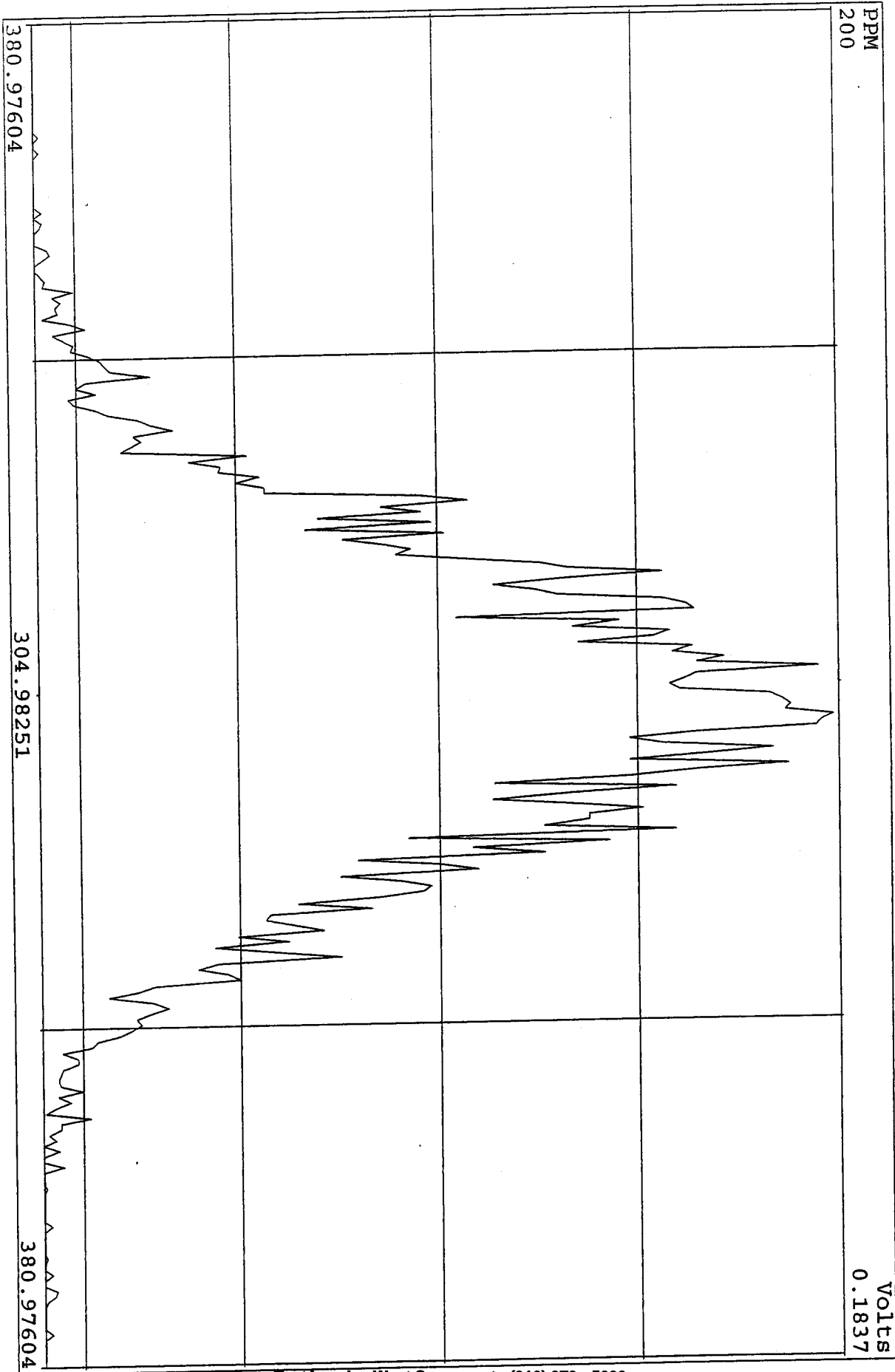
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Experiment: DIOXINRES8290A Function: 7



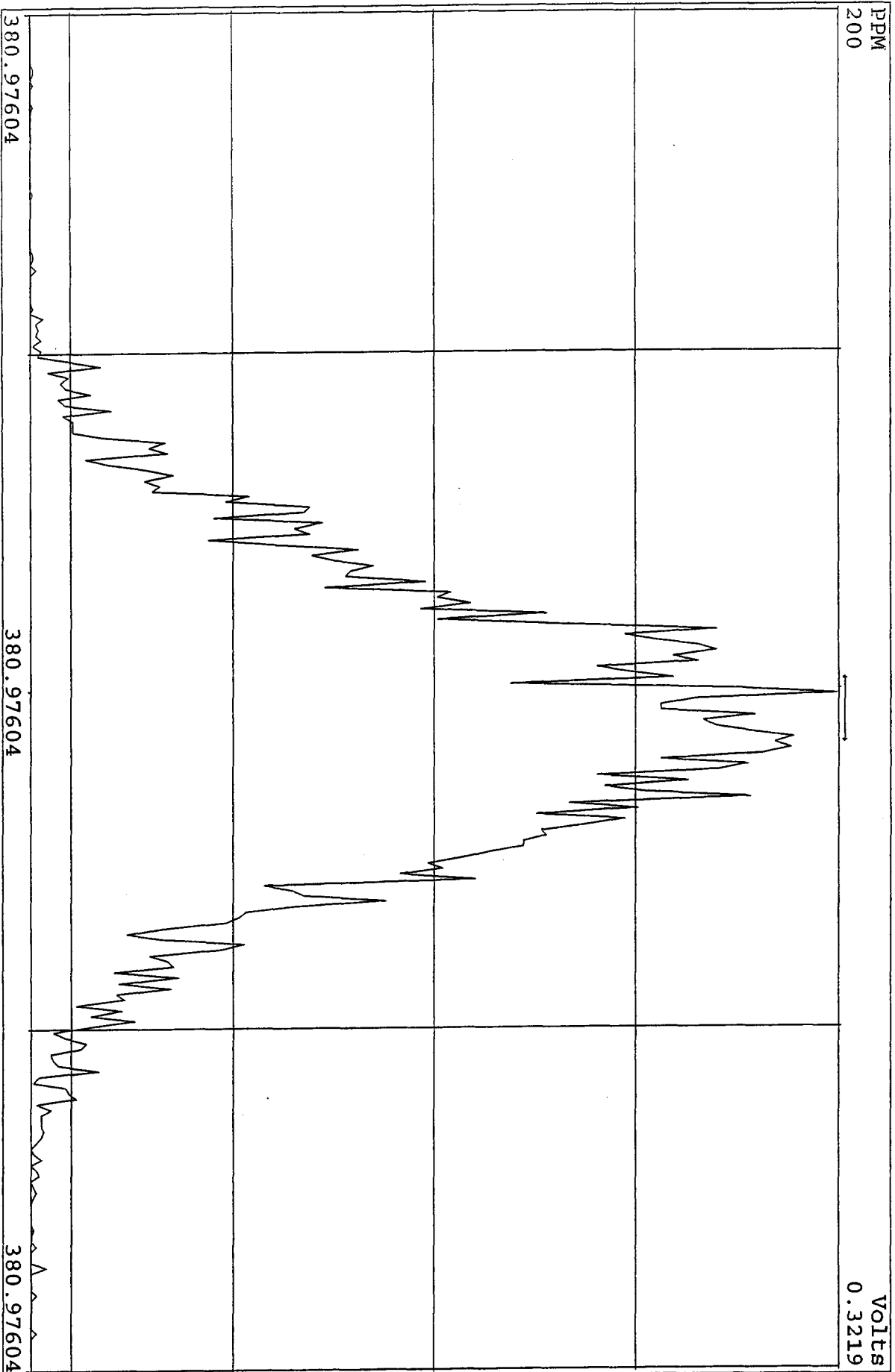
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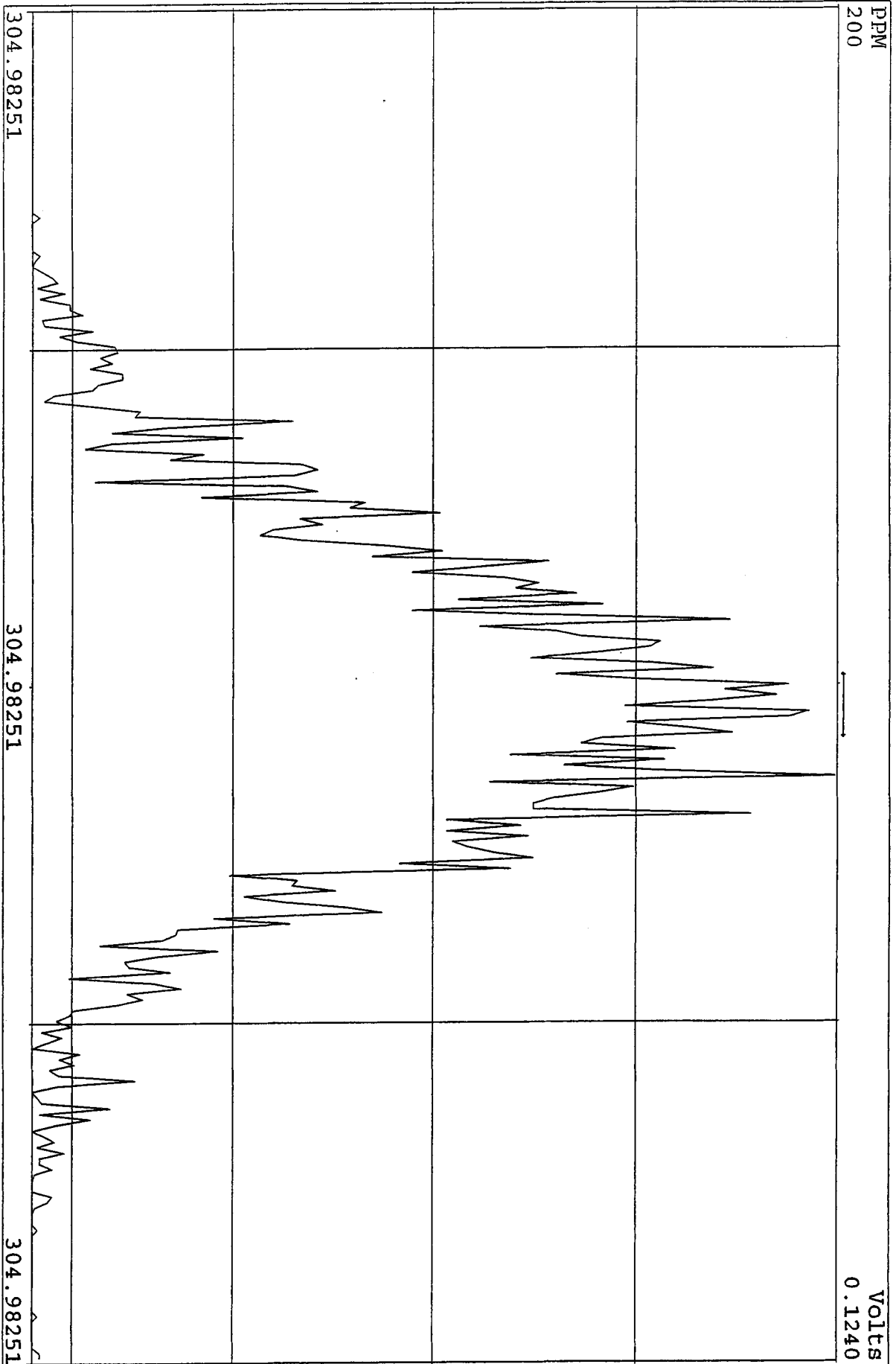
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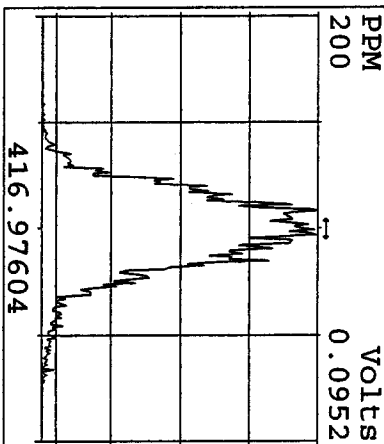
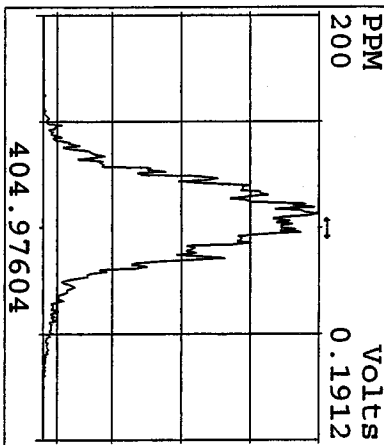
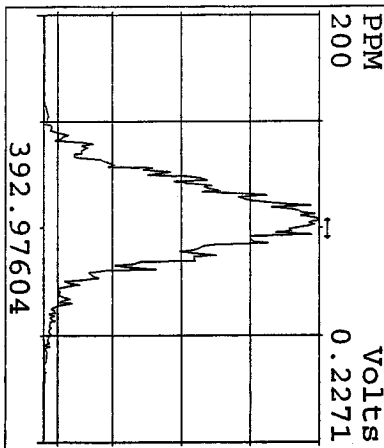
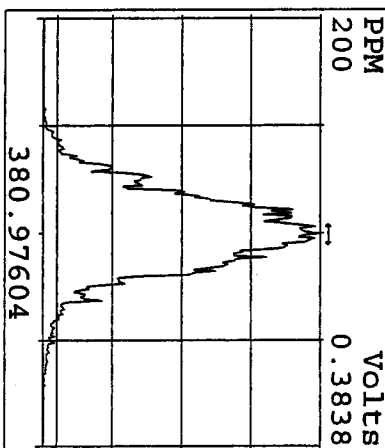
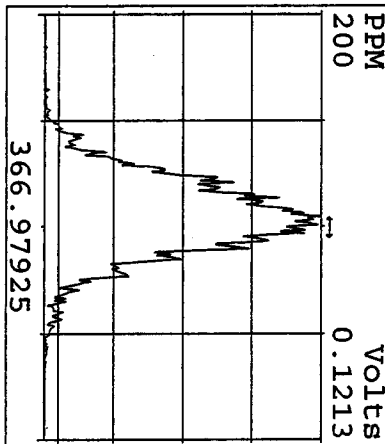
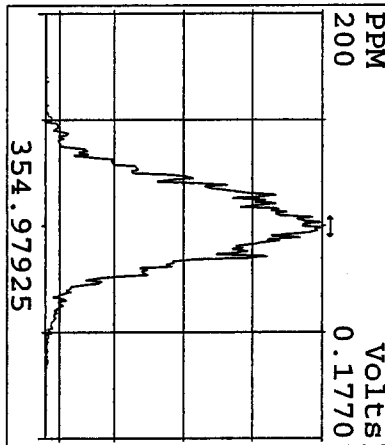
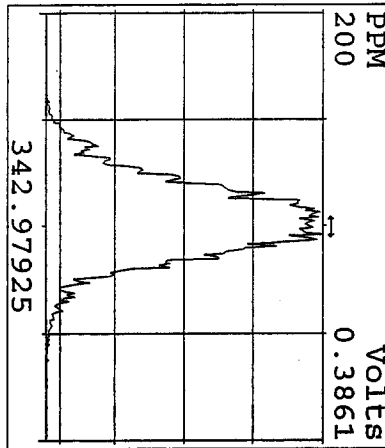
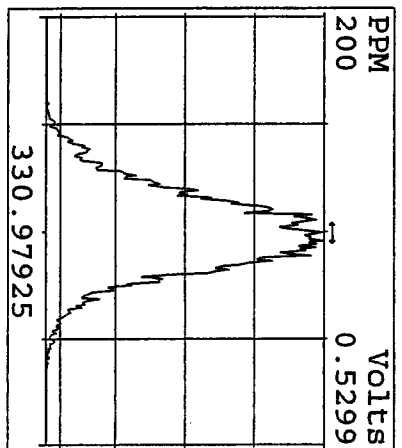
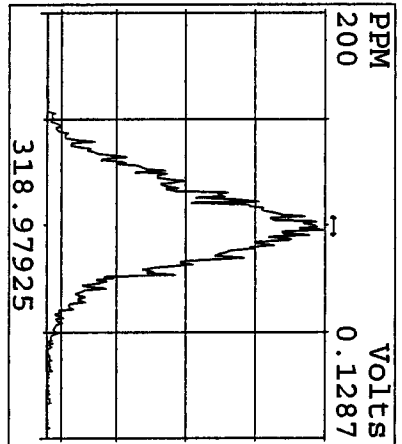
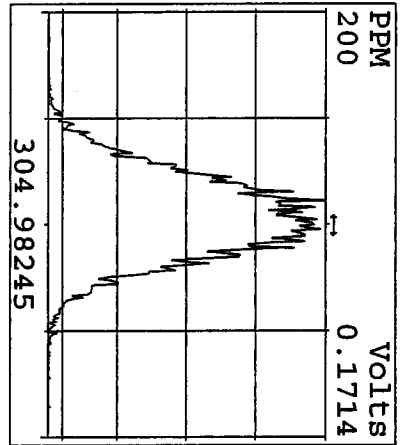
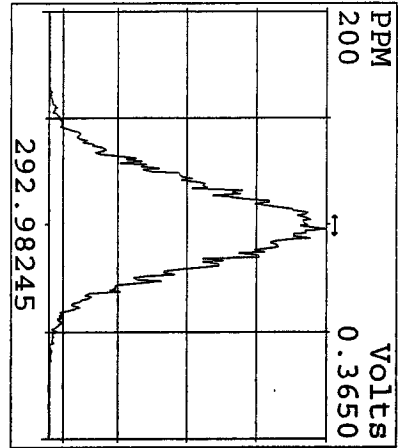
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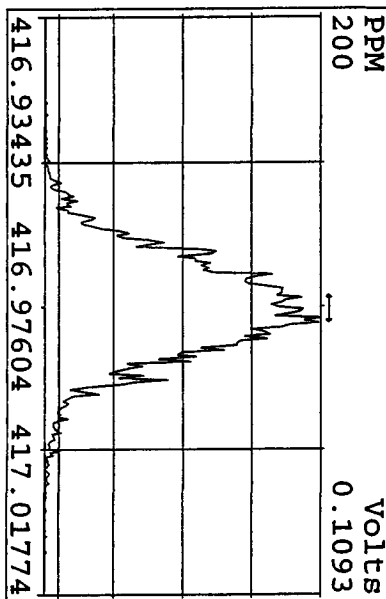
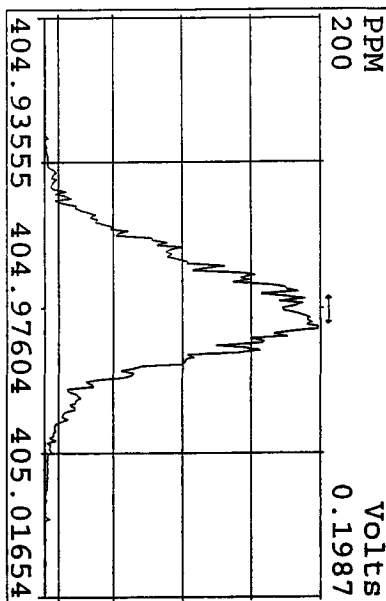
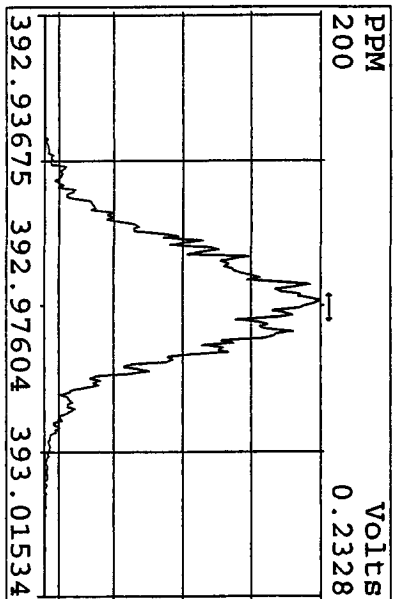
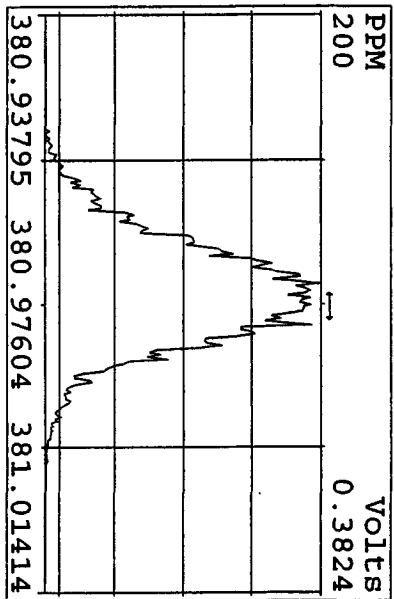
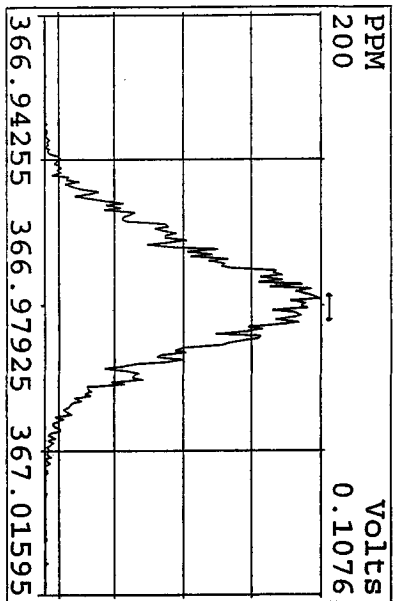
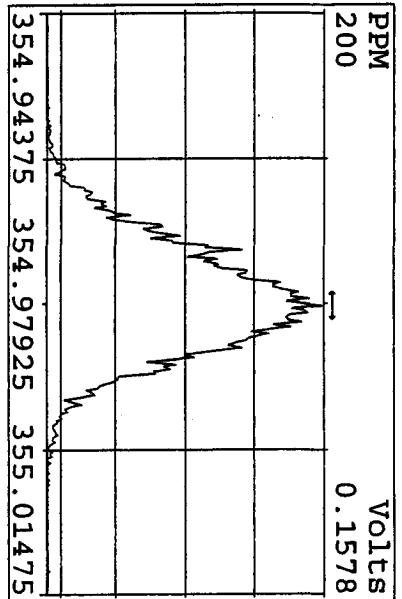
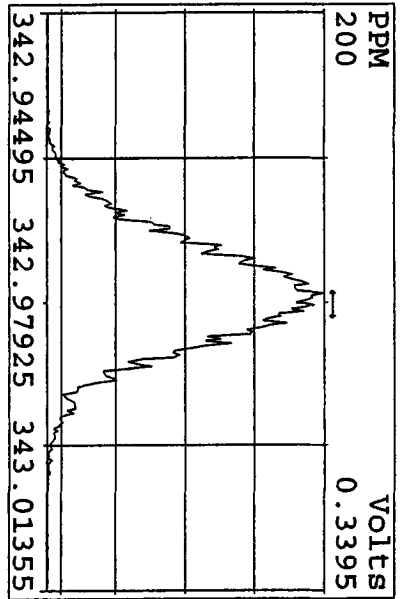
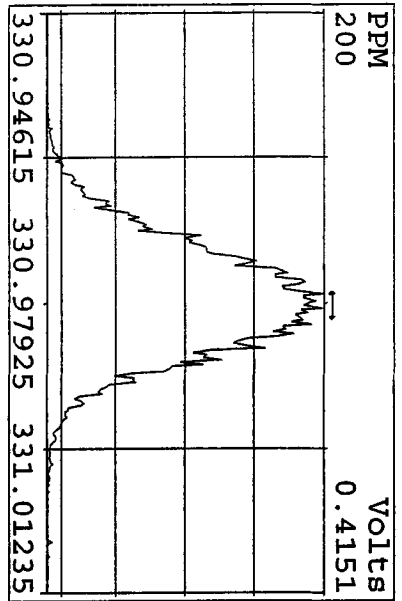
SIRLM Examination: 29-APR-2010:09:22 File: 27AP104DS
Experiment: DIOXINRES8290A Function: 7



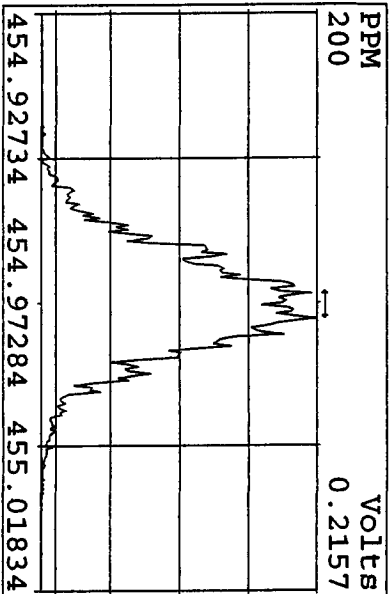
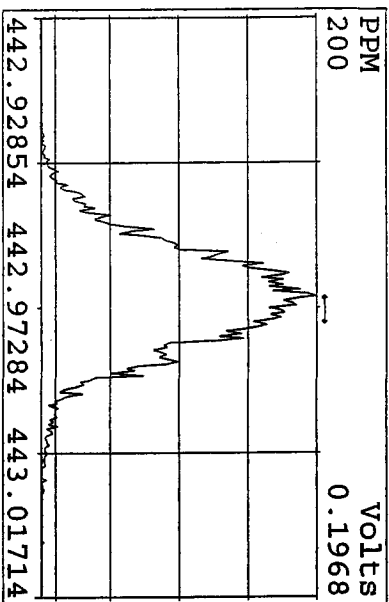
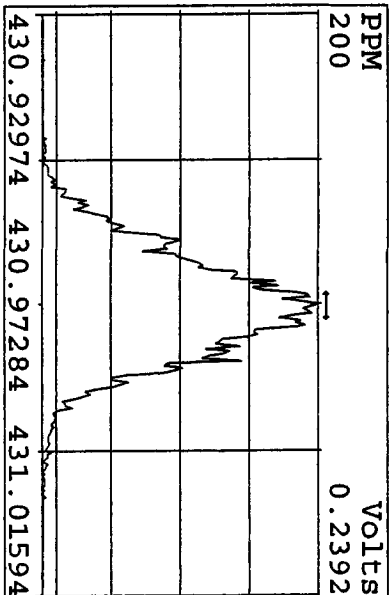
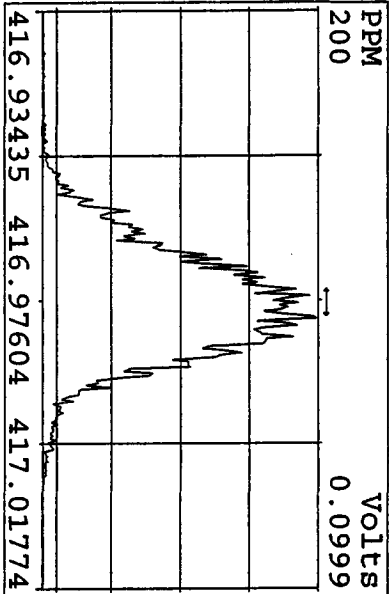
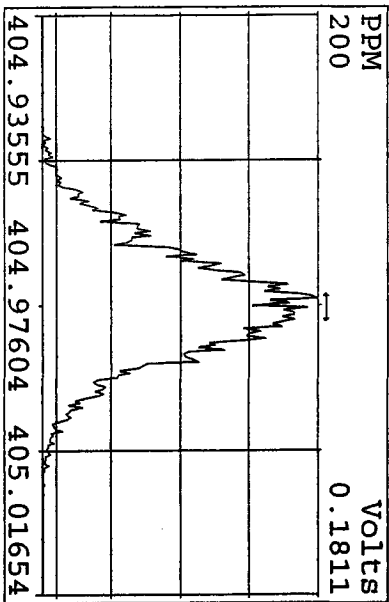
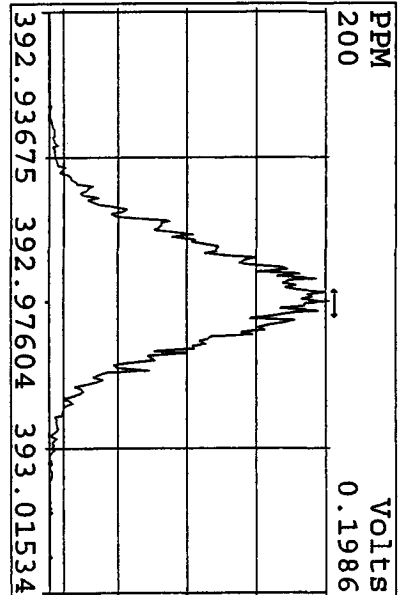
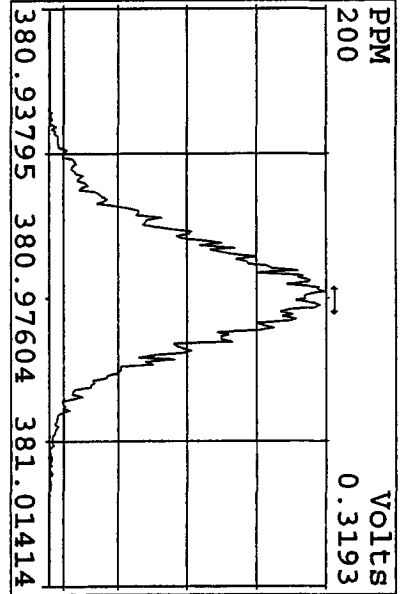
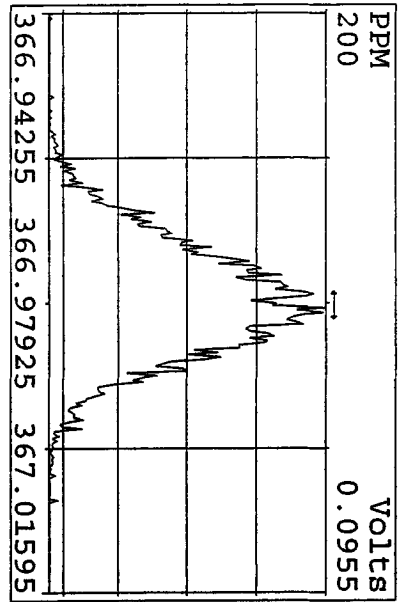
Peak Locate Examination: 29-APR-2010:16:55 File: ENDRS27AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



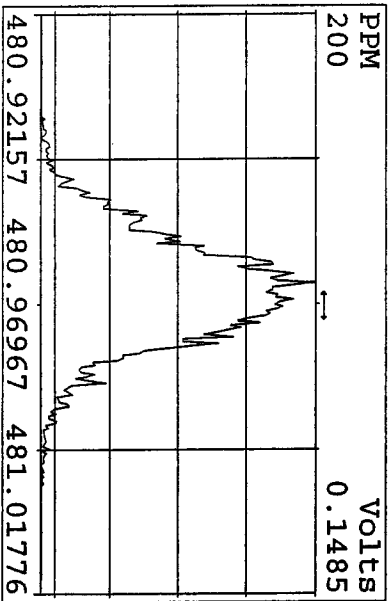
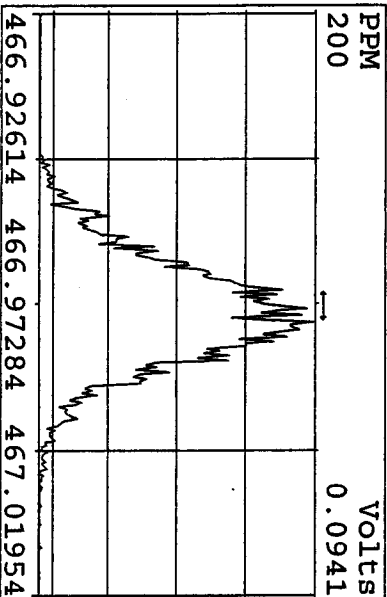
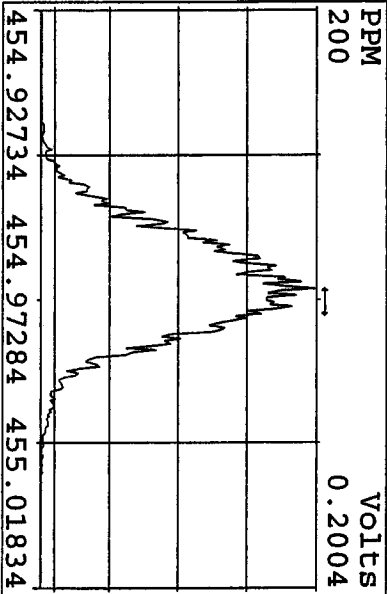
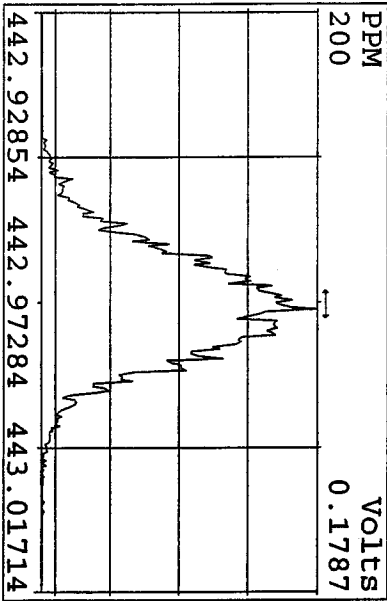
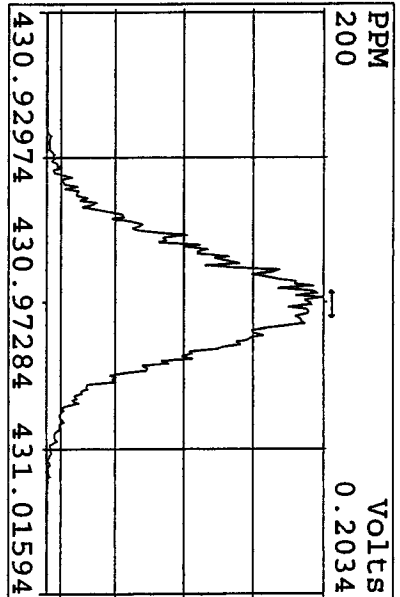
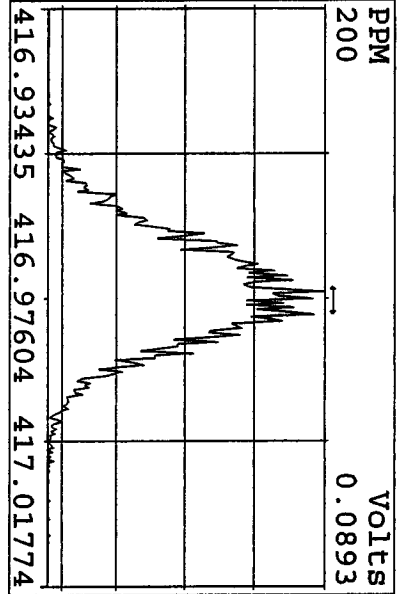
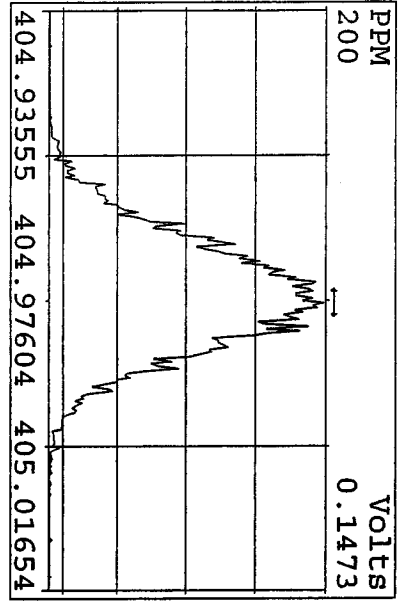
Peak Locate Examination: 29-APR-2010:16:56 File: ENDRSS27AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



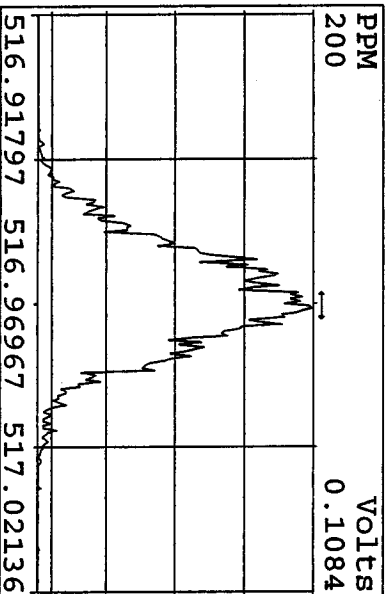
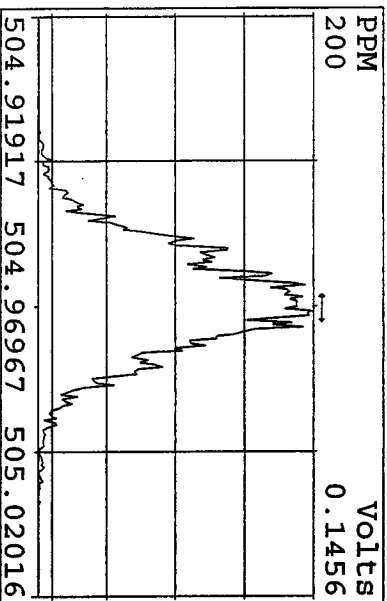
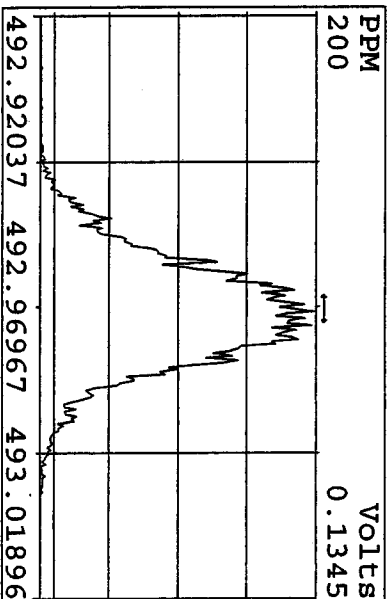
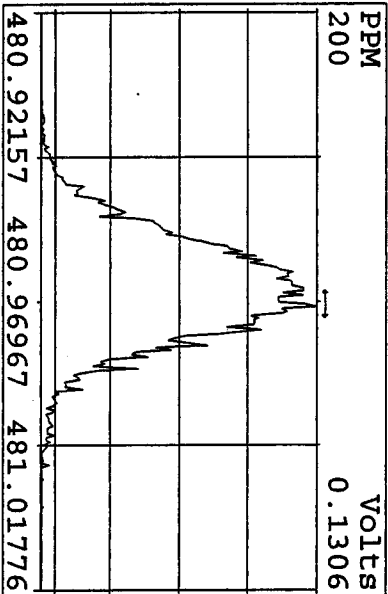
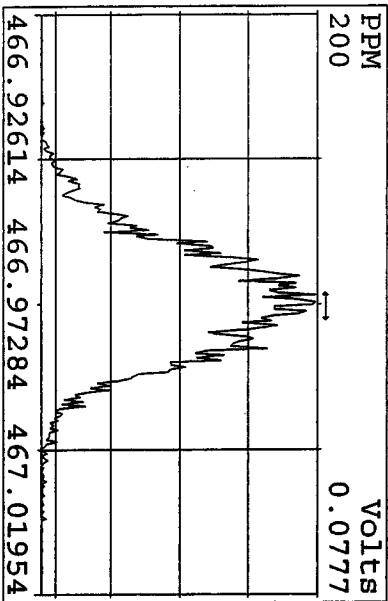
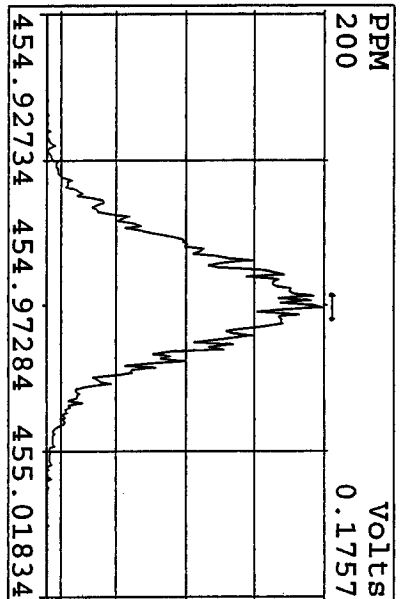
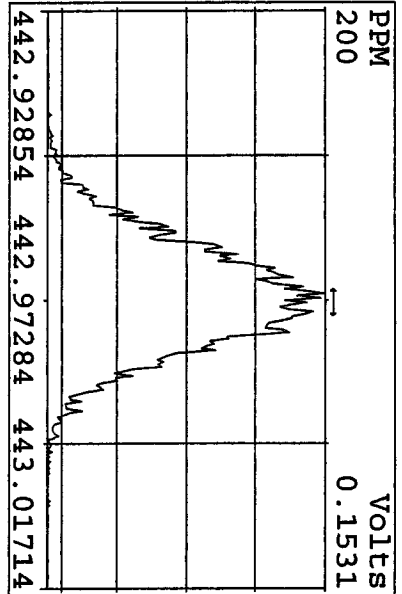
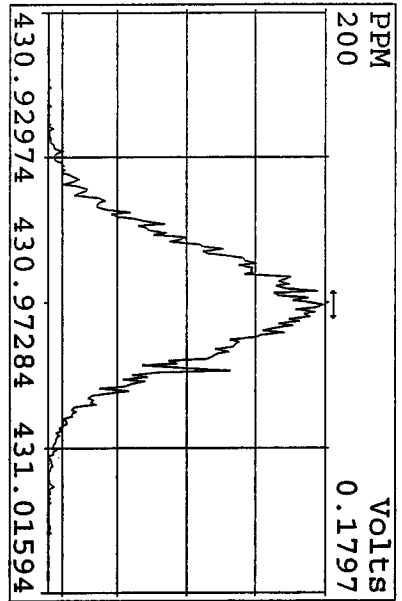
Peak Locate Examination: 29-APR-2010:16:57 File: ENDRS27AP104D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



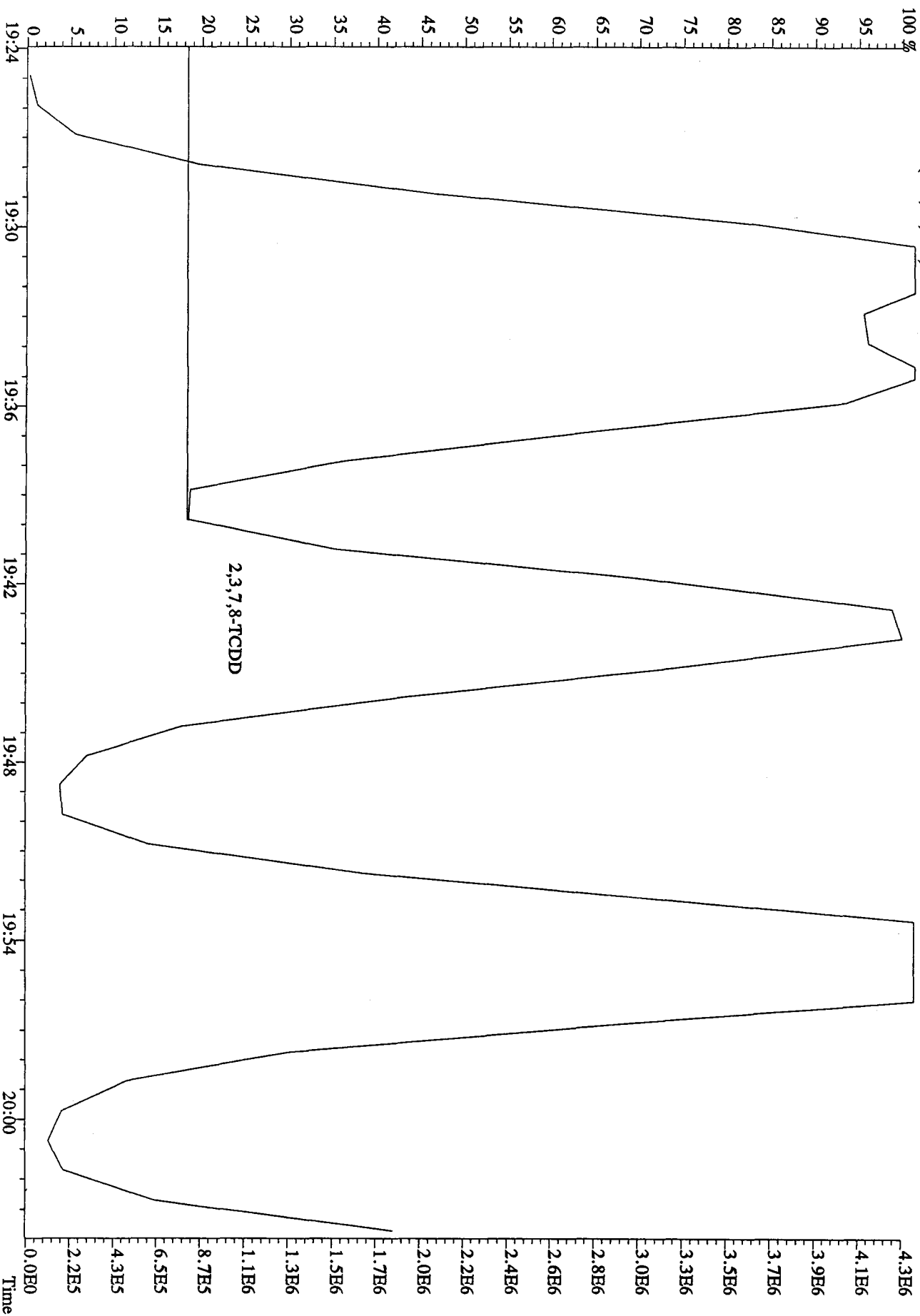
Peak Locate Examination: 29-APR-2010:16:57 File: ENDRES27AP104D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



Peak Locate Examination: 29-APR-2010:16:58 File:ENDRESS27AP104D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



File: 27AP104D5 #1-435 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-Ultimate
Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
321.8936 S: 37 BSUB(128,15,-3,0)



Run: 27AP104D5 Analyte: 8290A Cal: 8290A0412104D5

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

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
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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

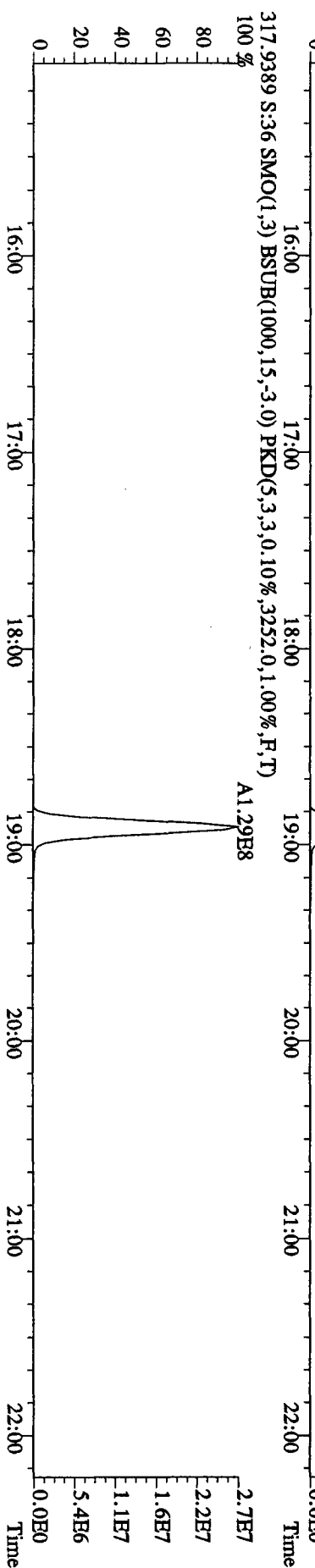
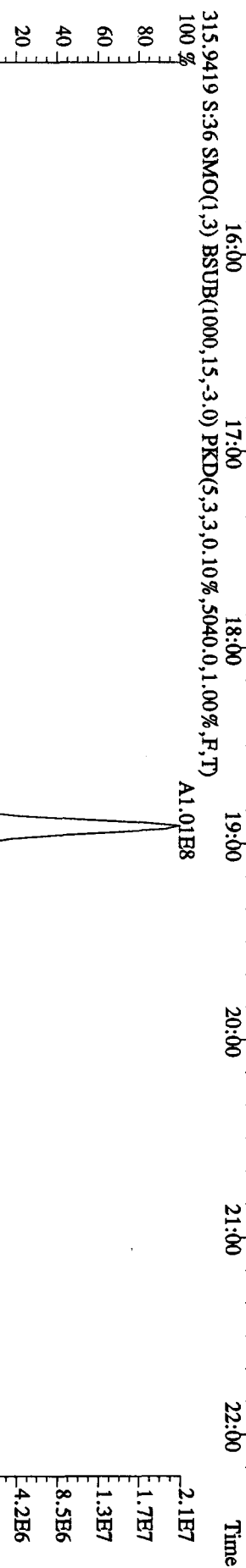
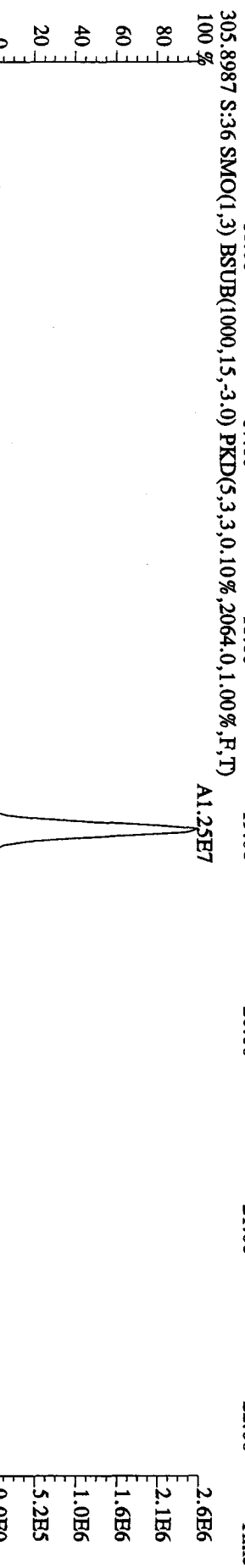
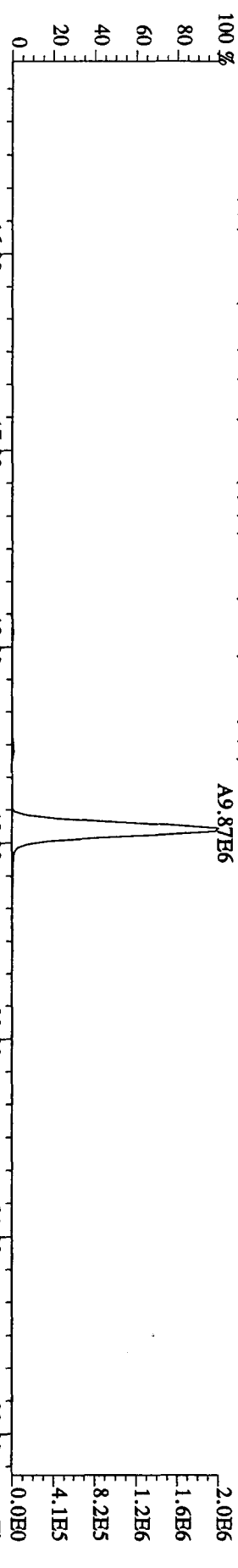
13C-1,2,3,7,8-HxCDD	-	-	- %	-	-	-	-	-
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13C-1,2,3,4,7,8-HxCDF	1.025	0.075	7.29 %	1.08	0.98	1.08	0.92	1.06
1,2,3,4,7,8-HxCDF	1.213	0.061	5.00 %	1.12	1.18	1.25	1.28	1.23
1,2,3,6,7,8-HxCDF	1.343	0.096	7.13 %	1.20	1.34	1.46	1.38	1.33
2,3,4,6,7,8-HxCDF	1.222	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

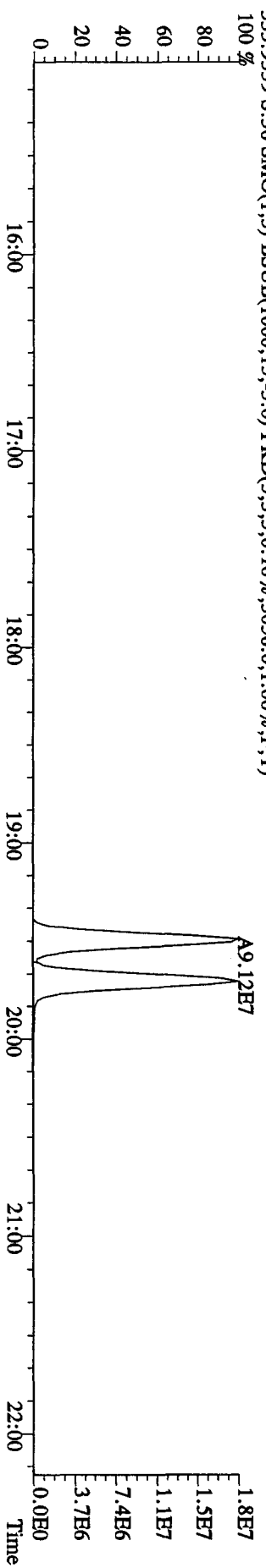
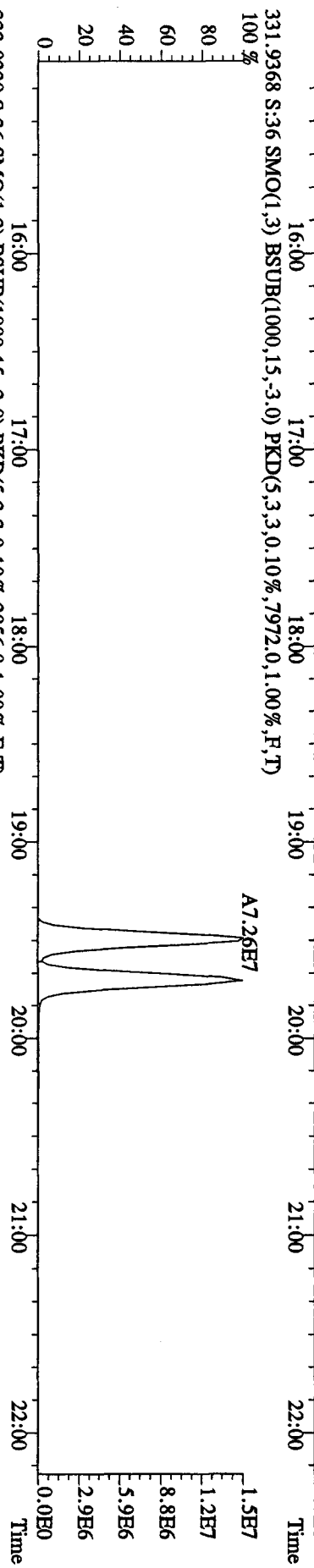
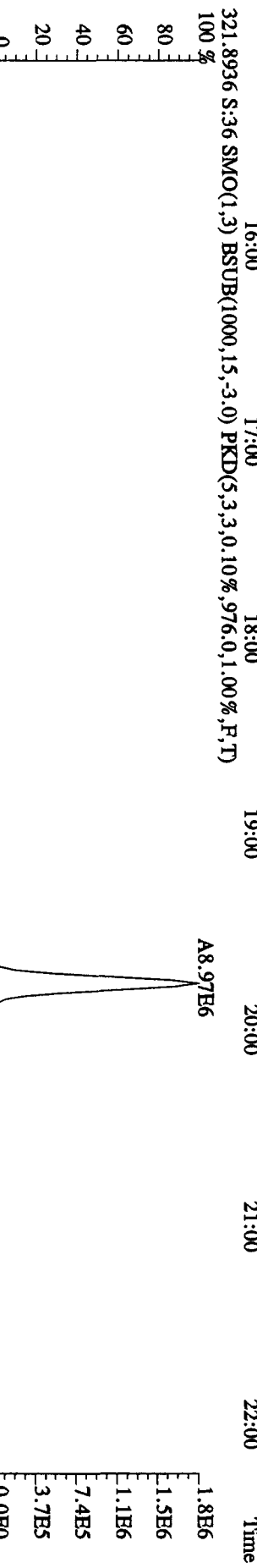
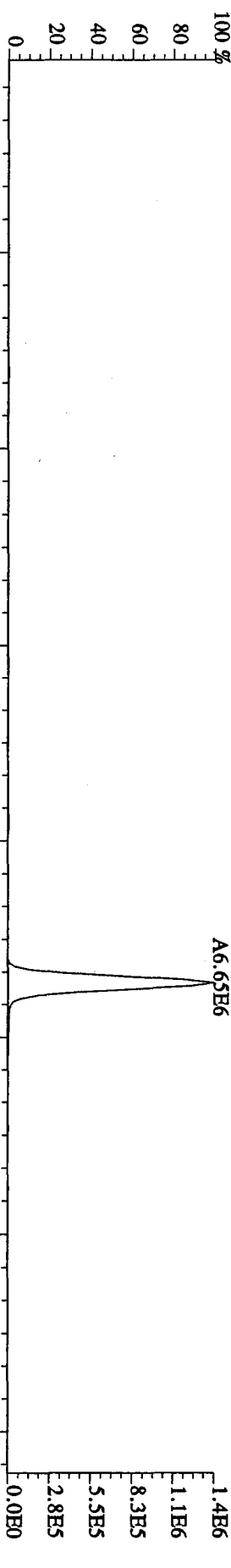
13C-1,2,3,6,7,8-HxCDD	0.807	0.060	7.46 %	0.81	0.77	0.86	0.72	0.87
1,2,3,4,7,8-HxCDD	1.007	0.056	5.54 %	0.93	1.02	1.04	1.07	0.98

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

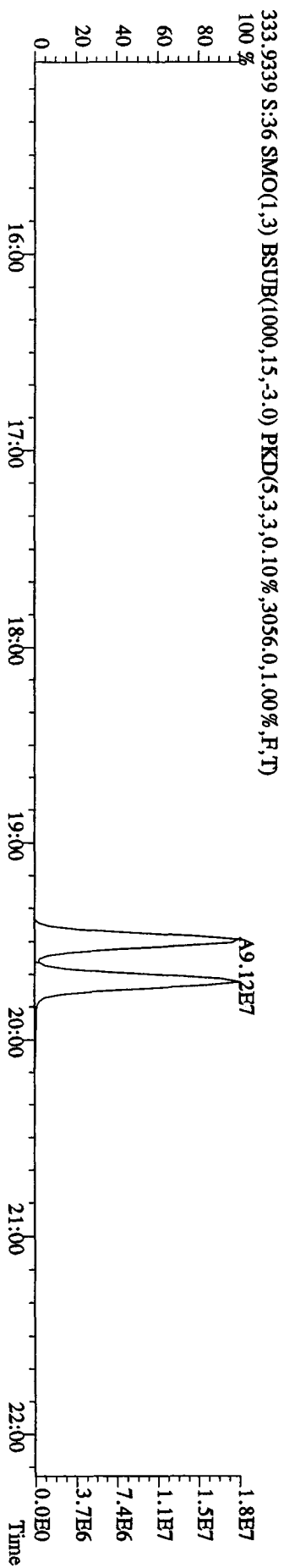
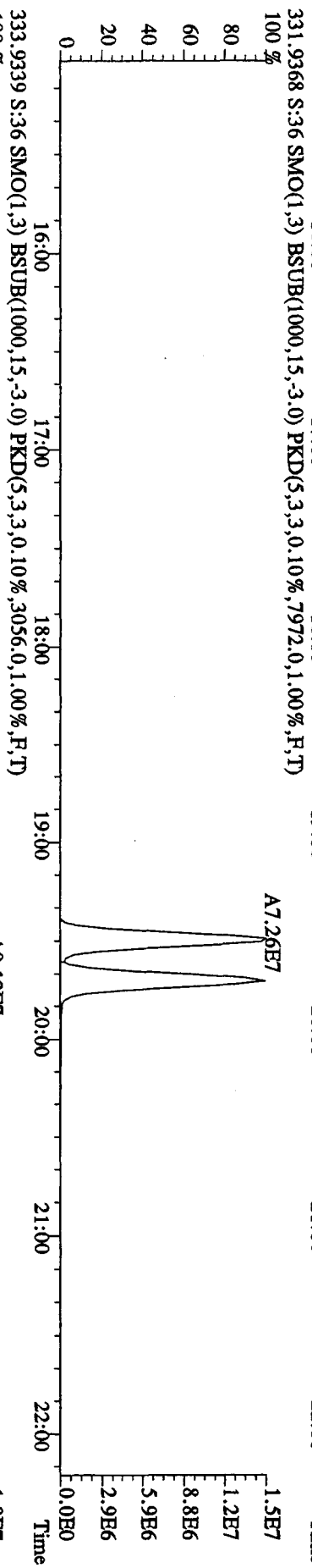
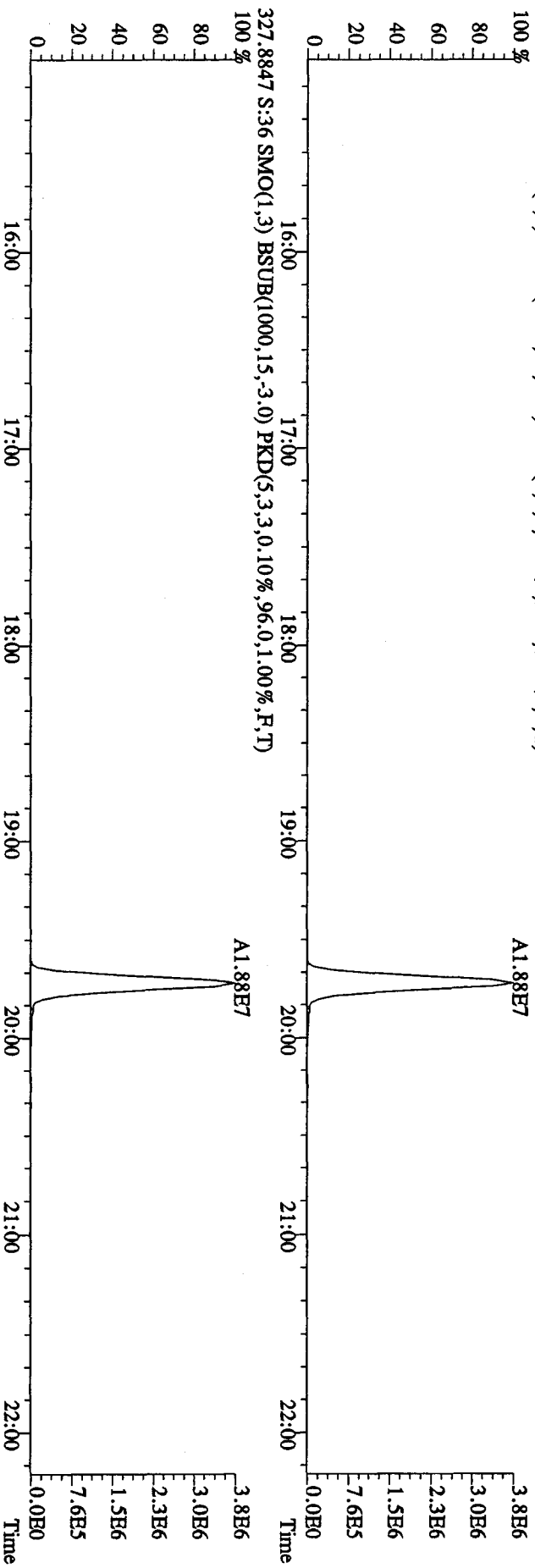
File: 27AP104D5 #1-434 Acq: 28-APR-2010 13:34:36 GC HF+ Voltage SIR Autospec-UltimaE
 Sample#36 Text: ST0427B :CS3 10DXN083 Exp: DIOXINRES8290A
 303.9016 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,624.0,1.00%,F,T) 100% A9.87E6



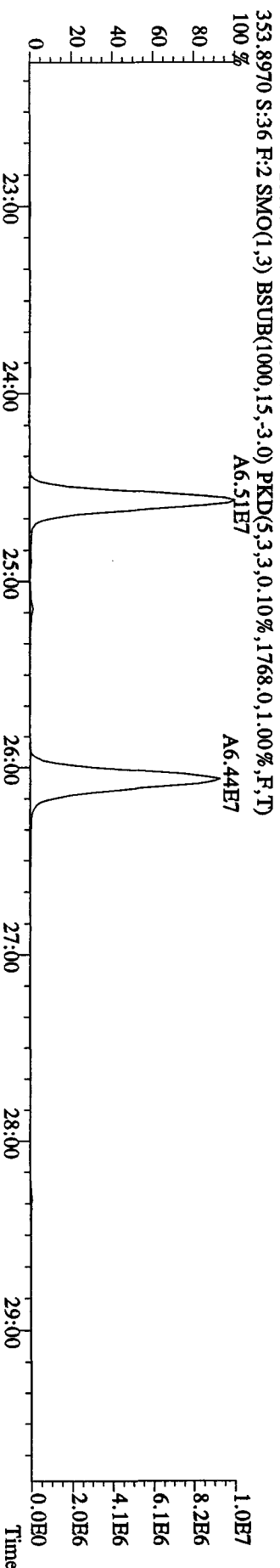
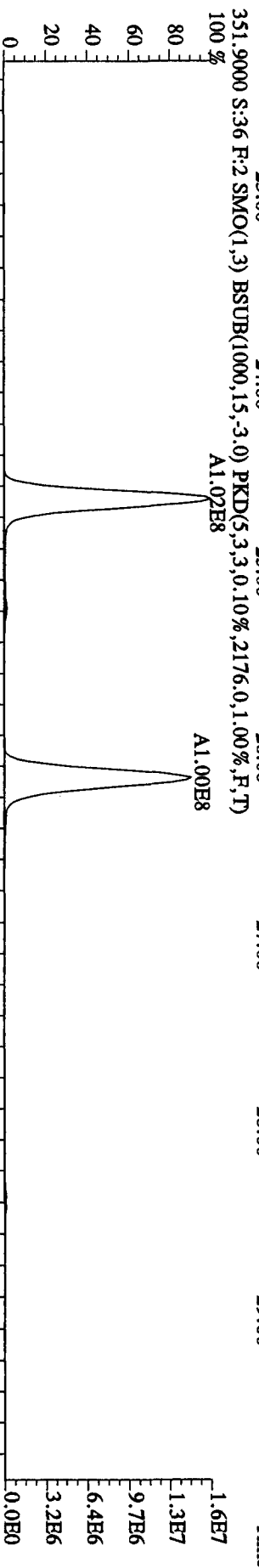
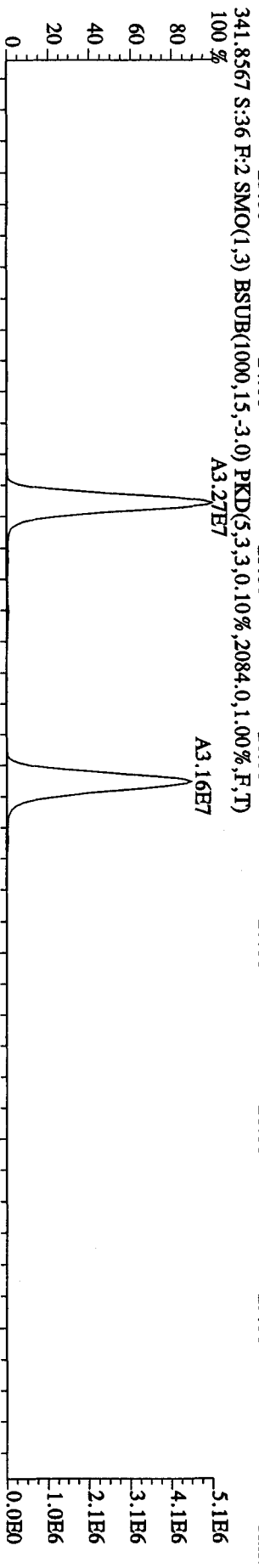
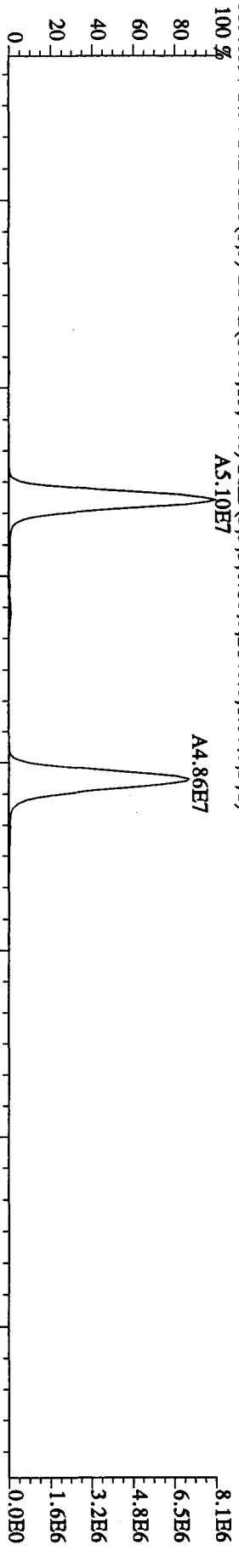
File:27AP104D5 #1-434 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRES8290A
 319.8965 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,940.0,1.00%,F,T)
 100%



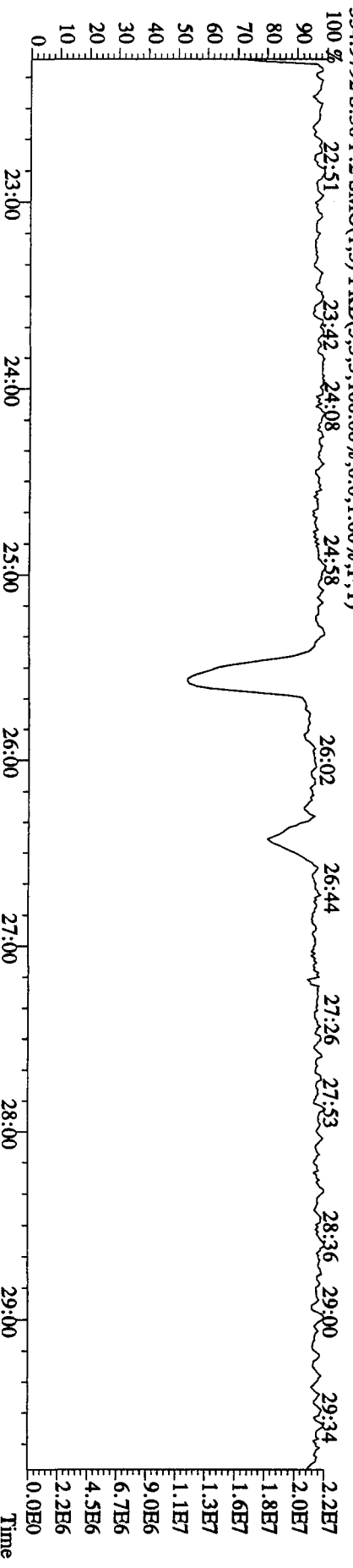
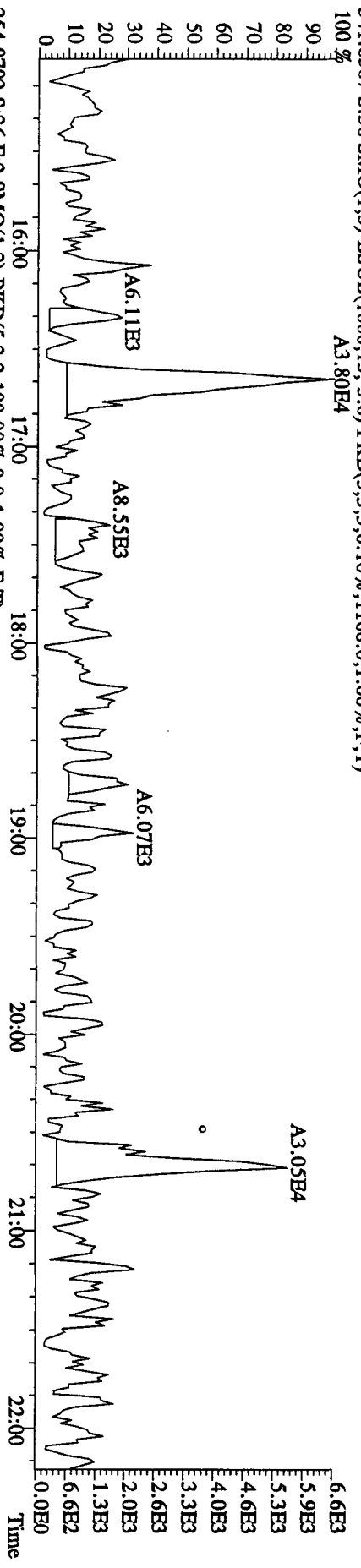
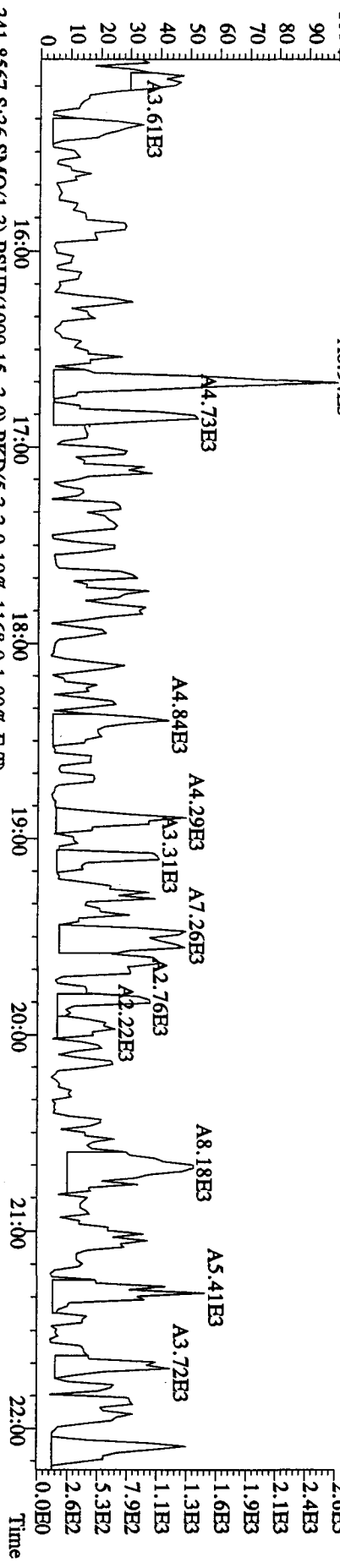
File:27AP104D5 #1-434 Acq:28-APR-2010 13:34:36 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRES8290A
 327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,96.0,1.00%,F,T)
 100%



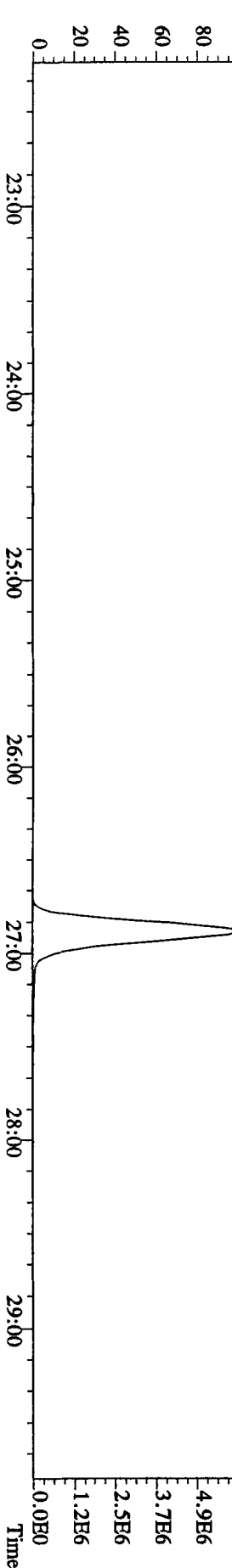
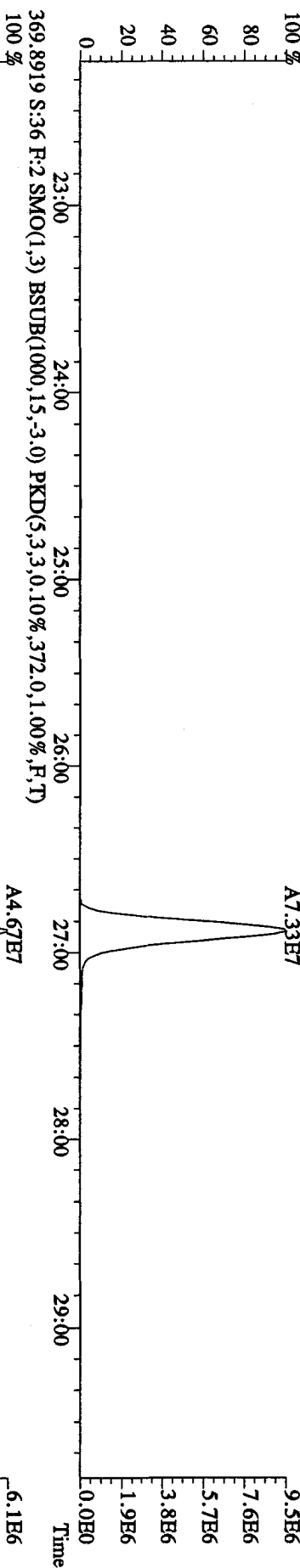
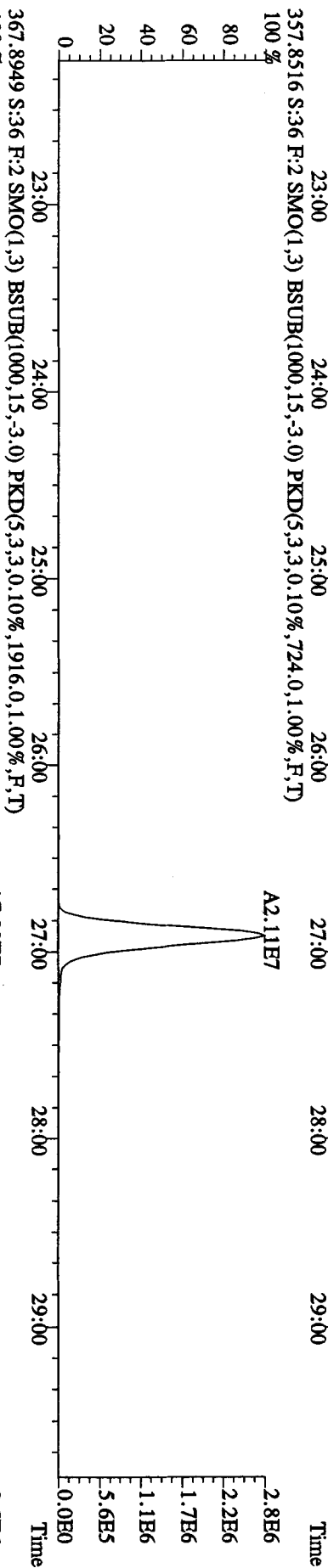
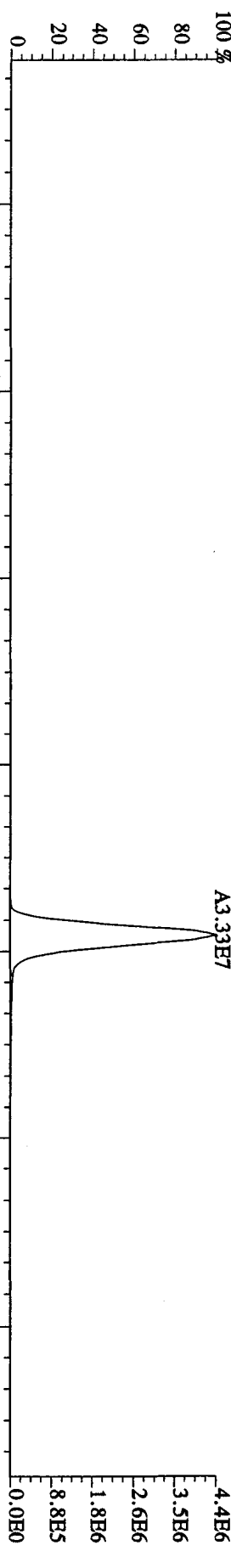
File:27AP104D5 #1-604 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-UltimatB
 Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRES8290A
 339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2148.0,1.00%,F,T)
 100 % A5.10E7



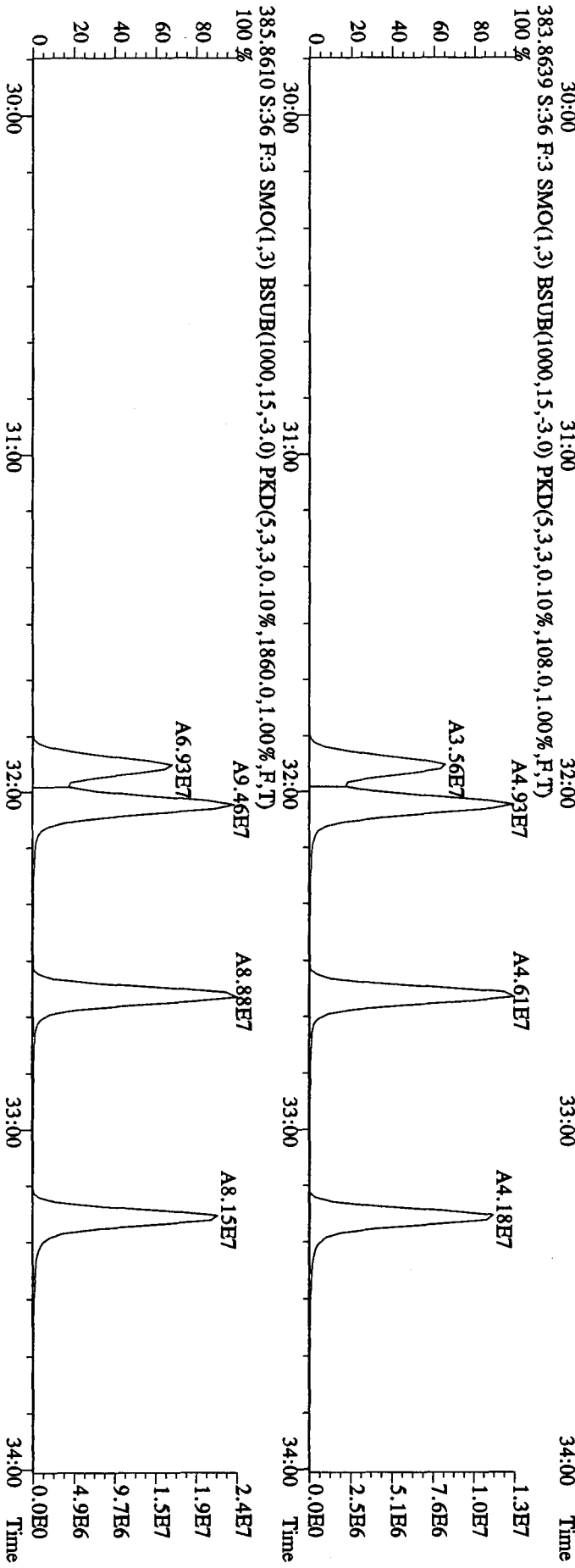
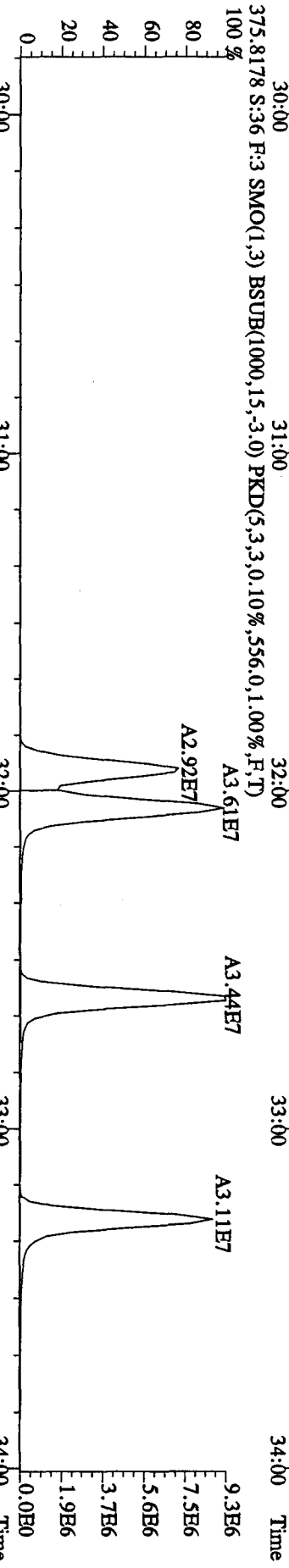
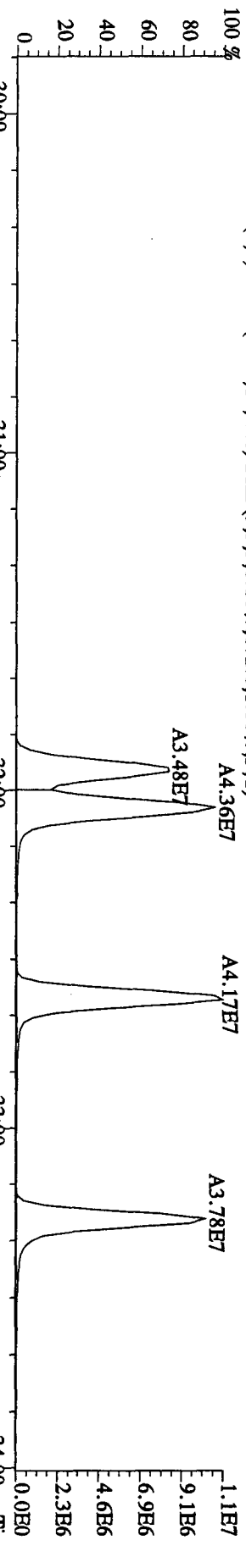
File:27AP104D5 #1-434 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SFR Autospec-UltimaE
 Sample#36 Text:ST0427B :CSS 10DXN083 Exp:DIOXINRES8290A
 339.8597 S:3.6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,564.0,1.00%,F,T)
 A8.94E3



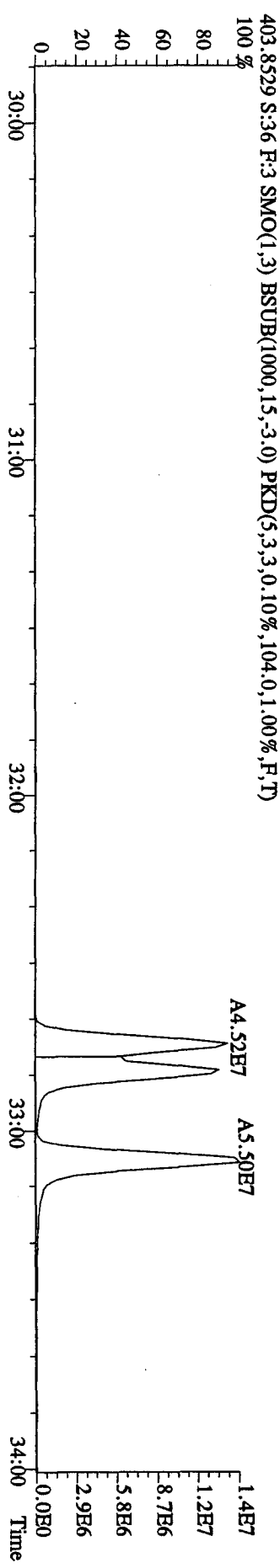
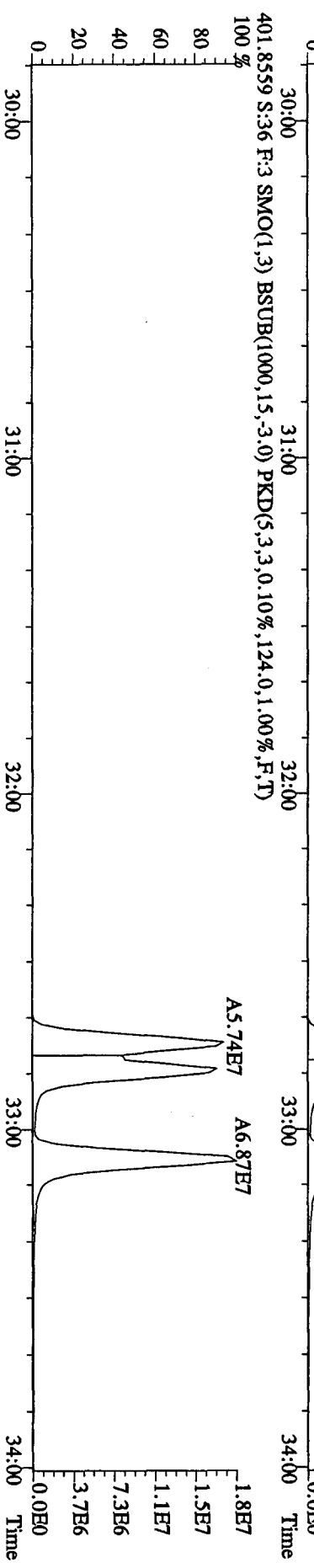
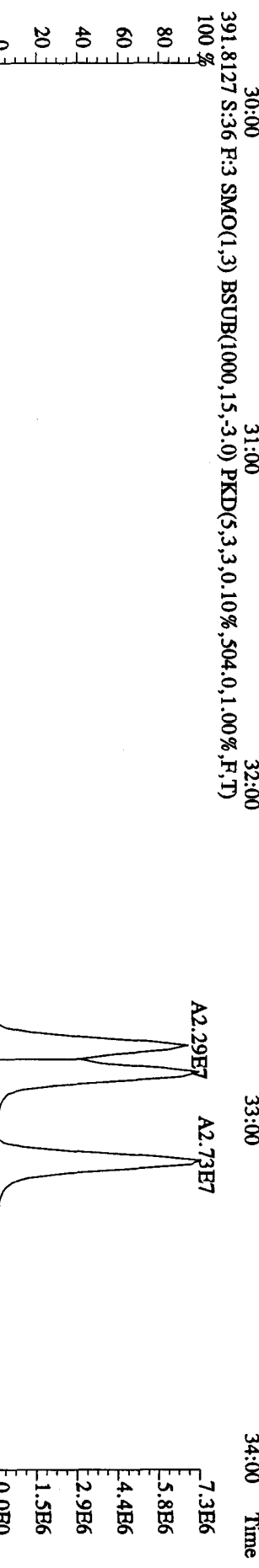
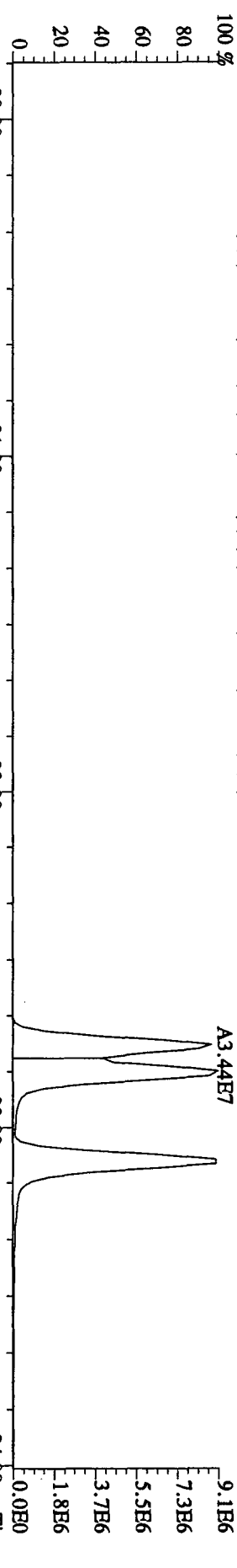
File:27AP104D5 #1-604 Acq:28-APR-2010 13:34:36 GC EI + Voltage S1R Autospec-UltimaE
 Sample#36 Text:ST0427B :CSS 10DXN083 Exp:DIOXINRES8290A
 355.8546 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1880.0,1.00%,F,T)



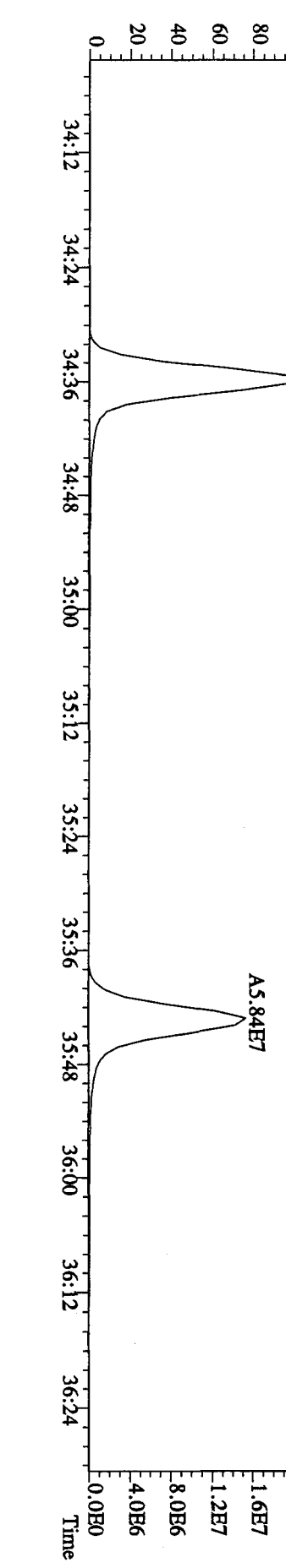
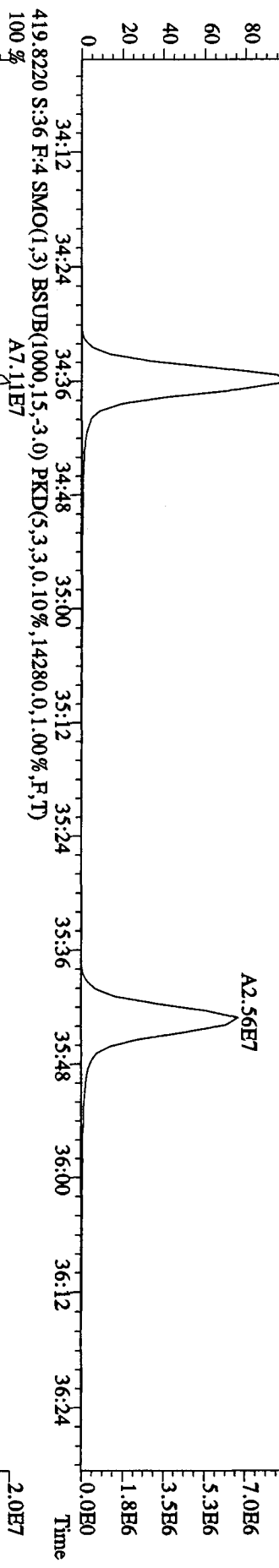
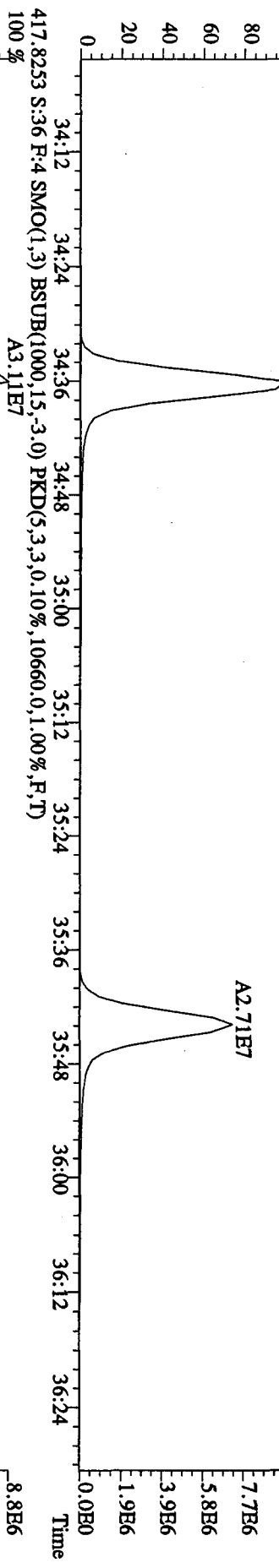
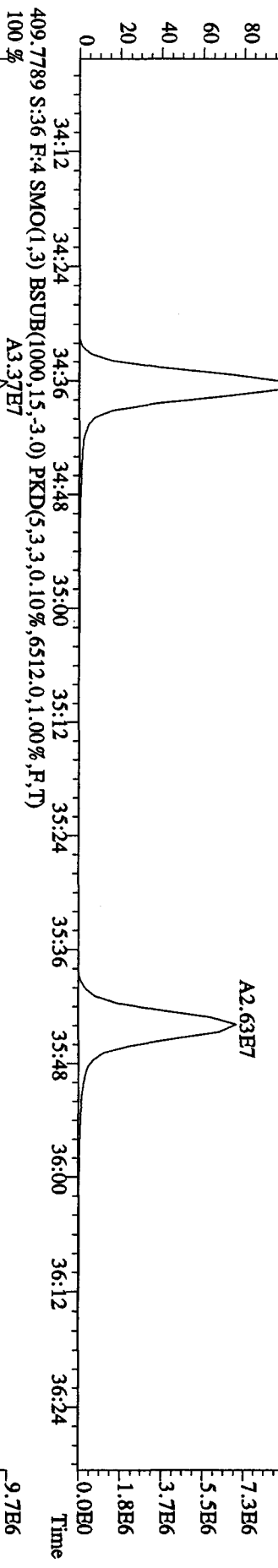
File: 27AP104D5 #1-317 Acq: 28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#36 Text: ST0427B :CS3 10DXN083 Exp: DIOXINRES8290A
 373.8208 S:3.6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,672.0,1.00%,F,T)



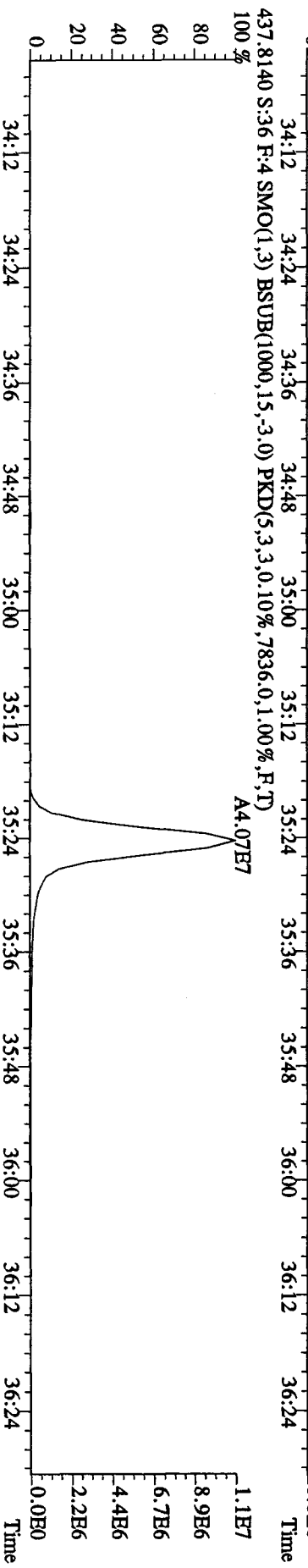
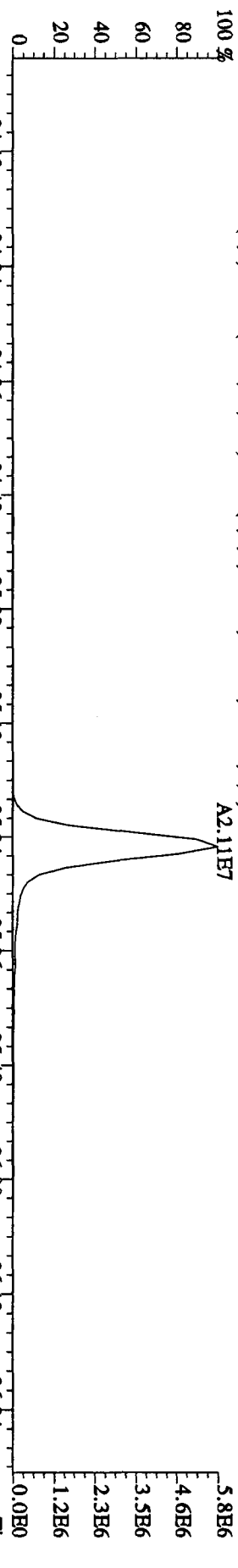
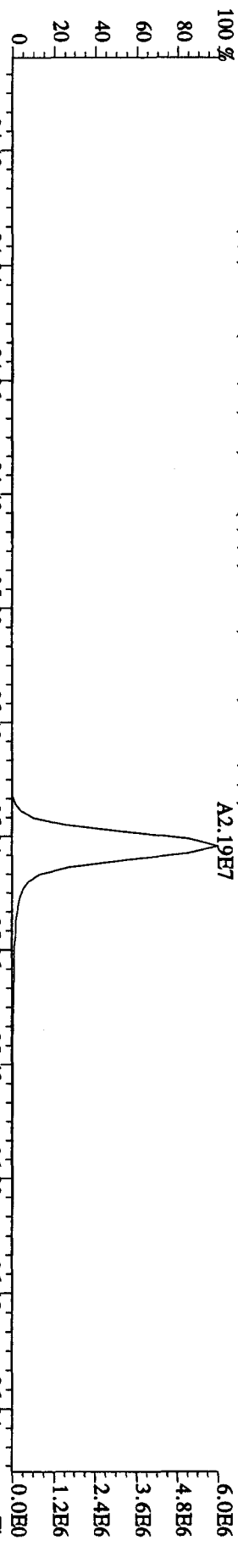
File: 27AP104D5 #1-317 Acq: 28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#36 Text: ST0427B :CSS 10DXN083 Exp: DIOXINRES8290A
 389.8157 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,484.0,1.00%,F,T)



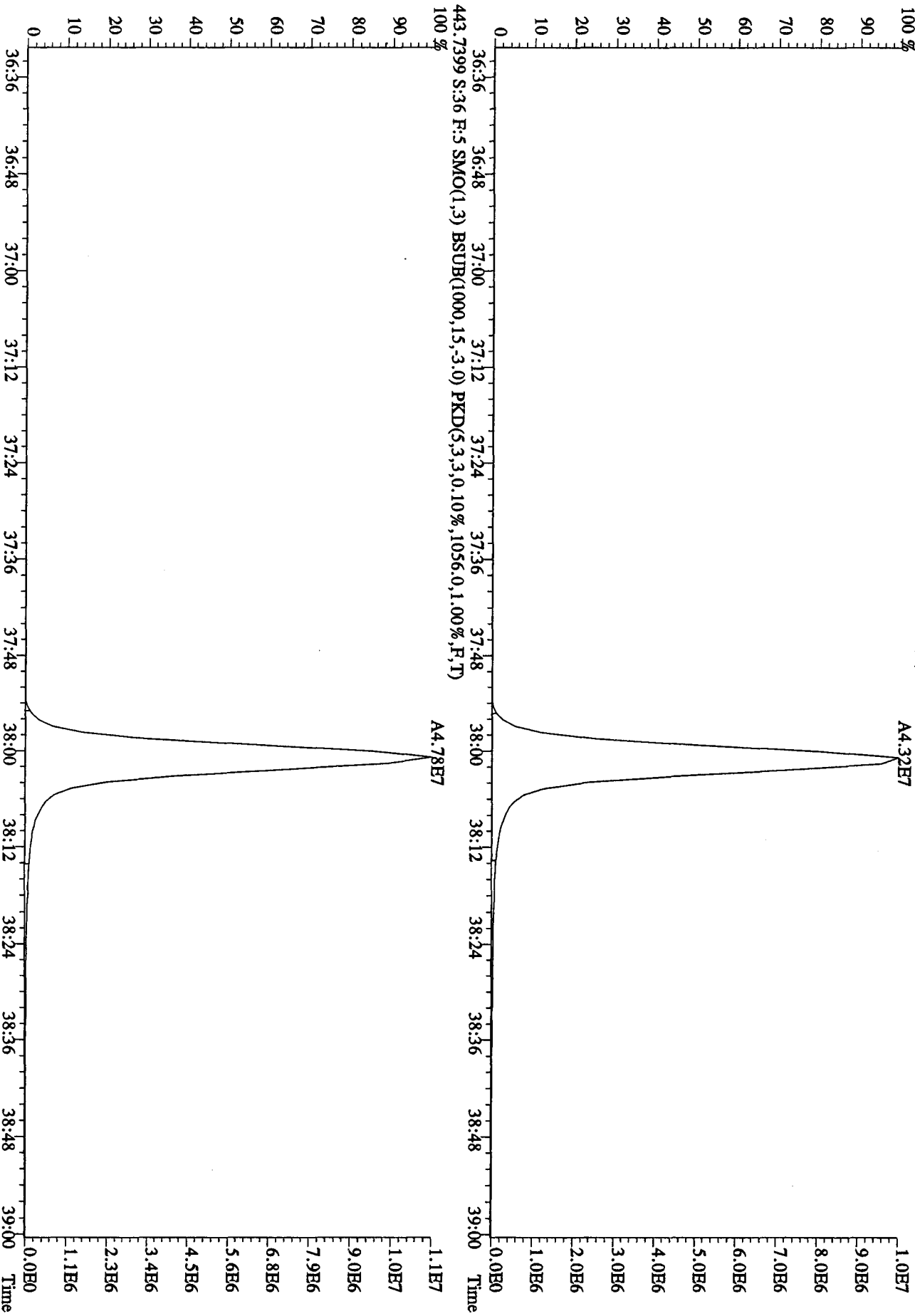
File:27AP104D5 #1-198 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRES8290A
 407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3012.0,1.00%,F,T)
 100 % A3.25E7



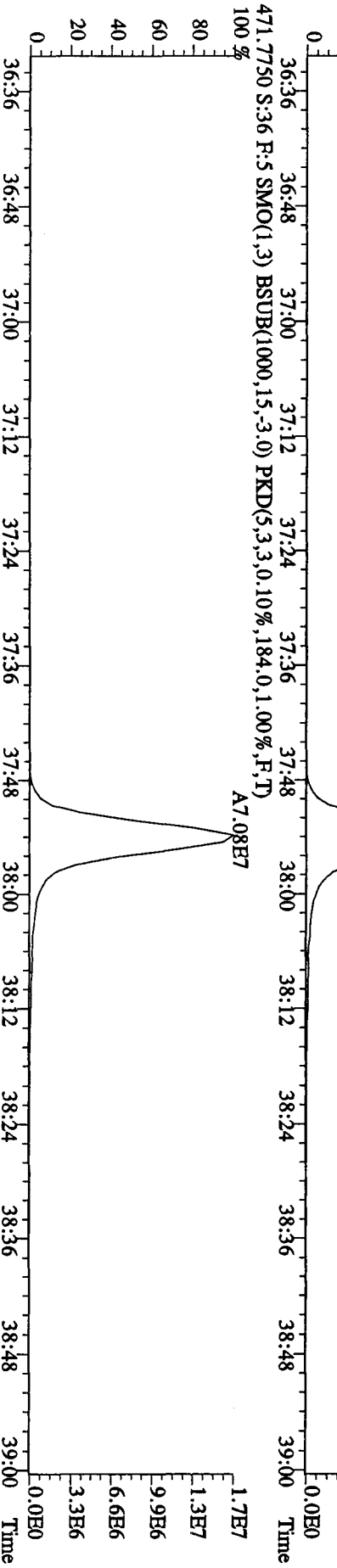
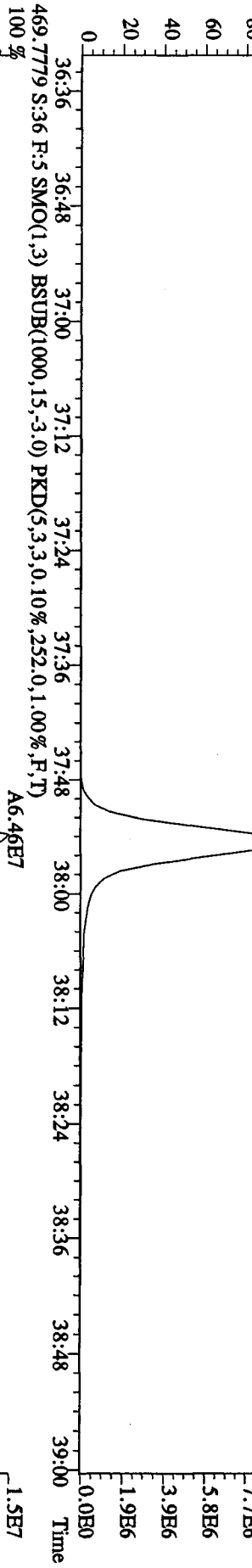
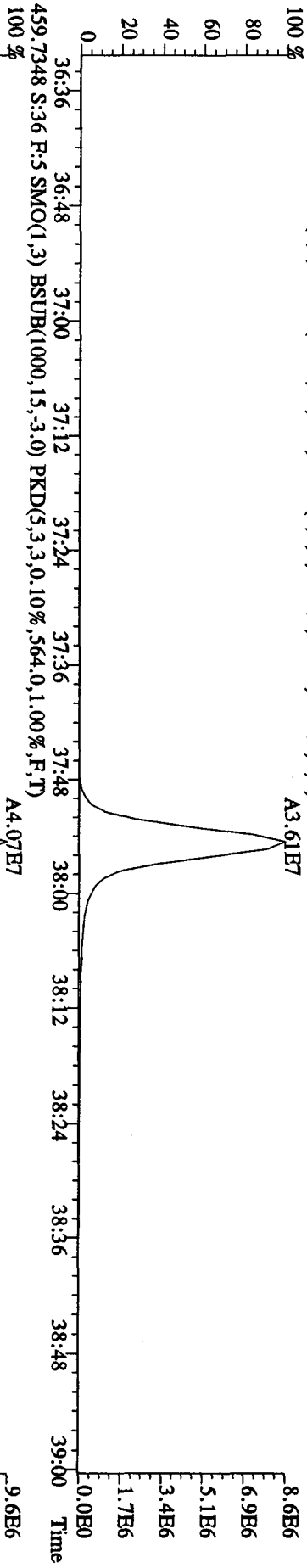
File: 27AP104D5 #1-198 Acq: 28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#36 Text: ST0427B : CS3 10DXN083 Exp: DIOXINRES8290A
 422.7737 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3120.0,1.00%,F,T) 100%
 425.8169 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10396.0,1.00%,F,T) 100%



File:27AP104D5 #1-190 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-Utimate
Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRBS8290A
441.7428 S:3.6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



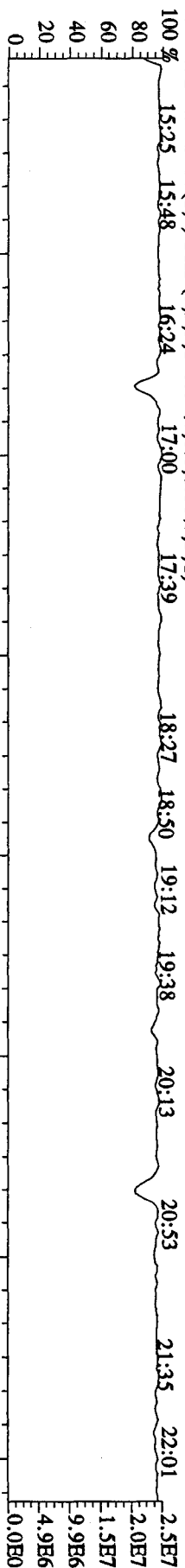
File:27AP104D5 #1-190 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRES8290A
 457.7377 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,624.0,1.00%,F,T)



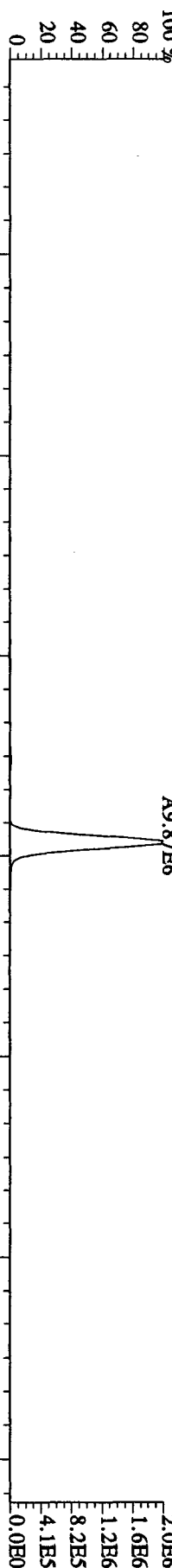
File: 27API04D5 #1-434 Acq: 28-APR-2010 13:34:36 GC EI + Voltage SIR Autospec-Ultimate

Sample#36 Text: ST0427B : CS3 10DXN083 Exp: DIOXINRES8290A

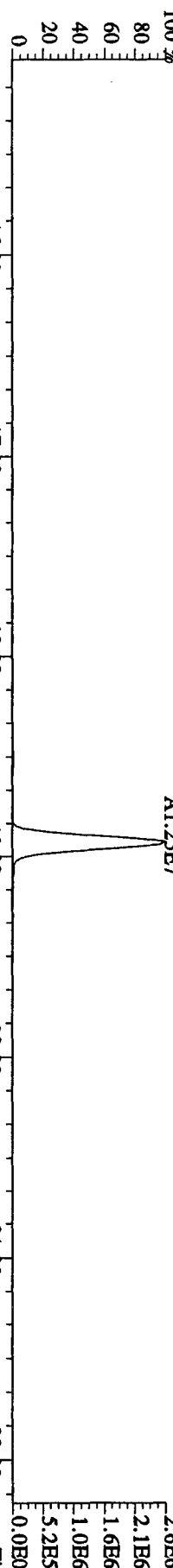
354.9792 S:3.6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



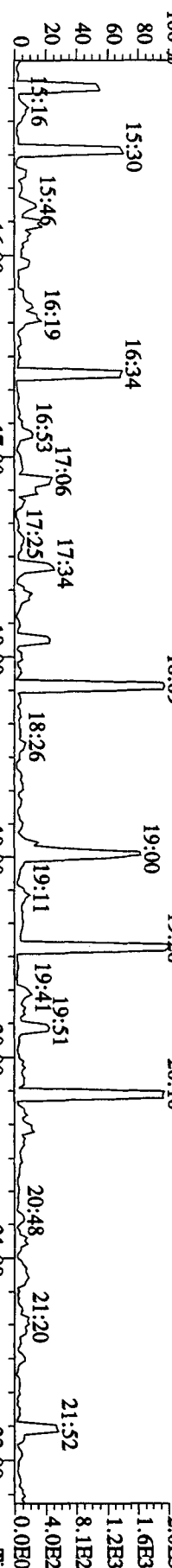
303.9016 S:3.6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,624.0,1.00%,F,T)



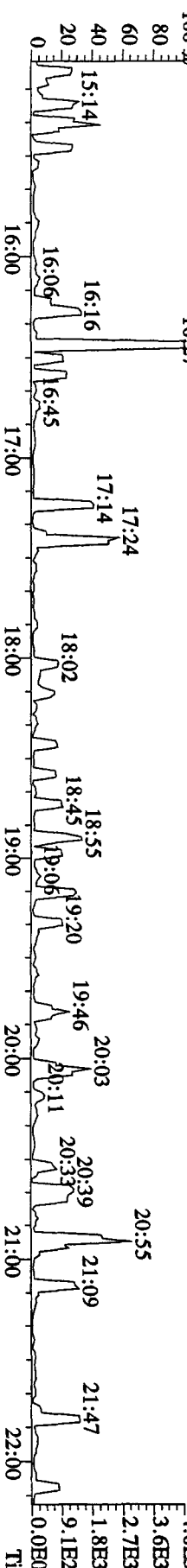
305.8987 S:3.6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2064.0,1.00%,F,T)



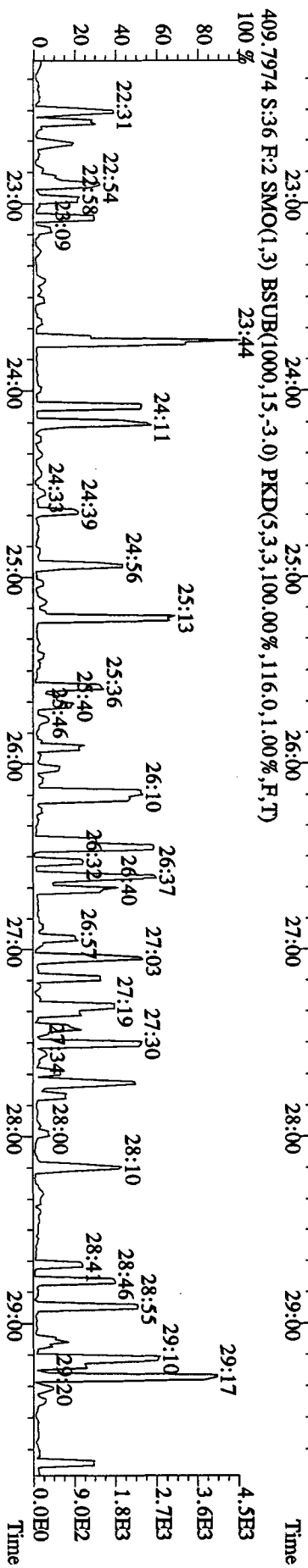
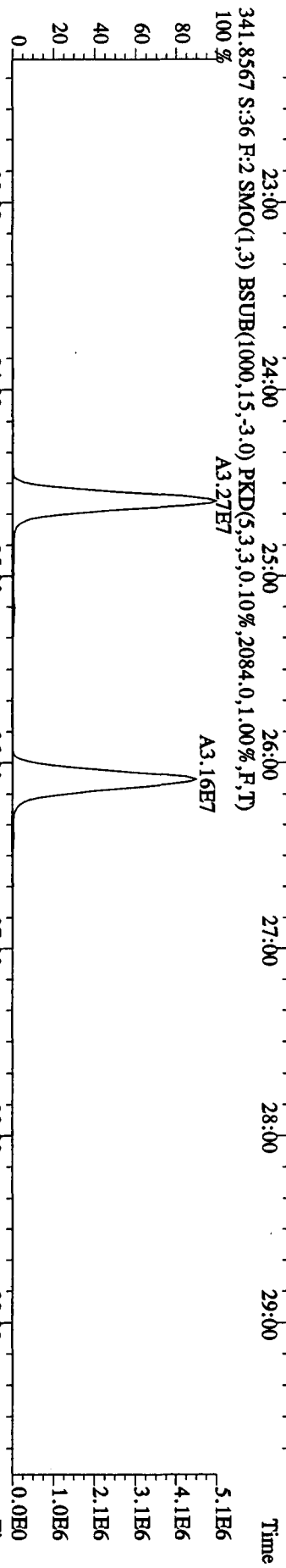
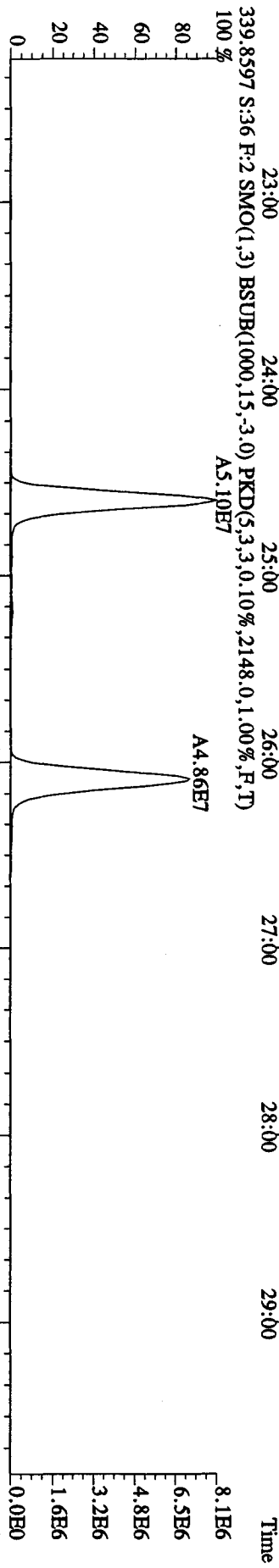
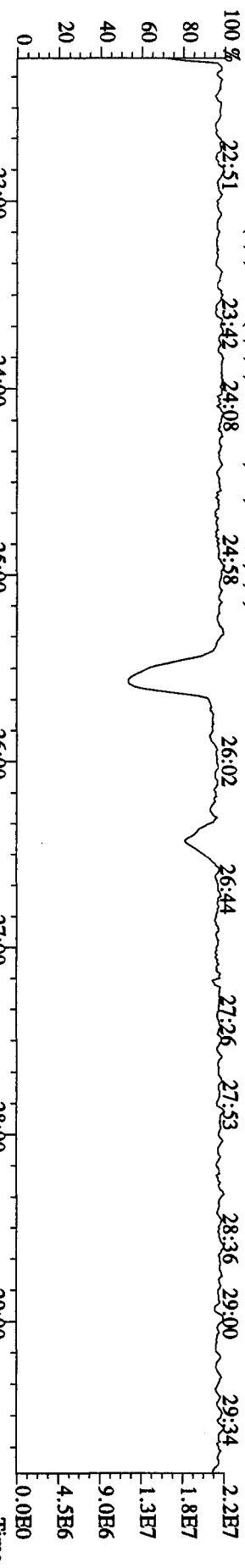
375.8364 S:3.6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,68.0,1.00%,F,T)



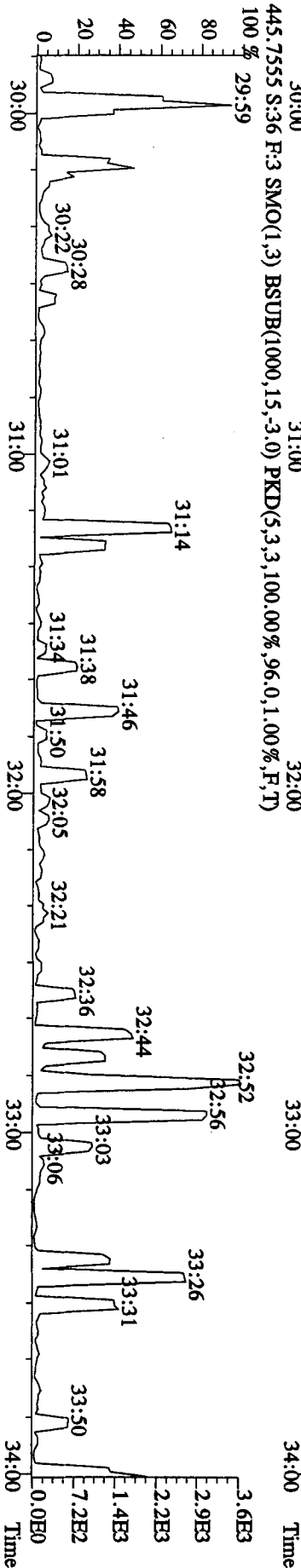
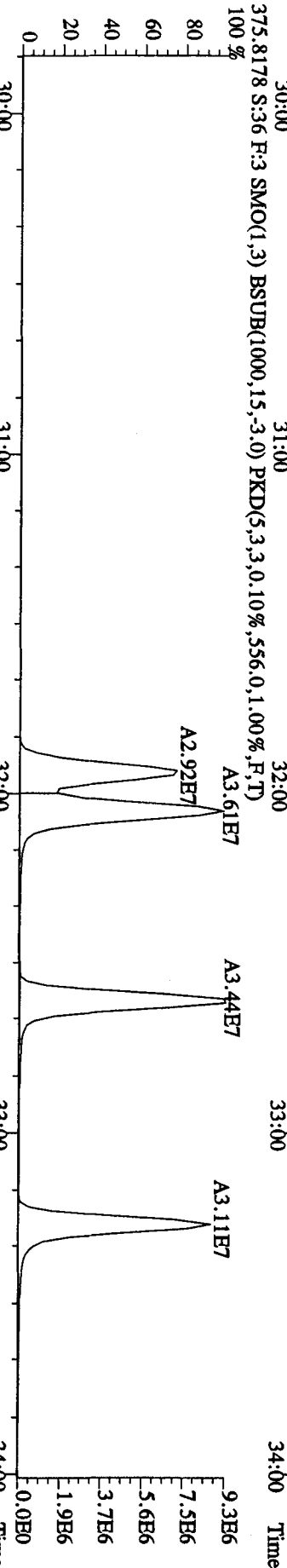
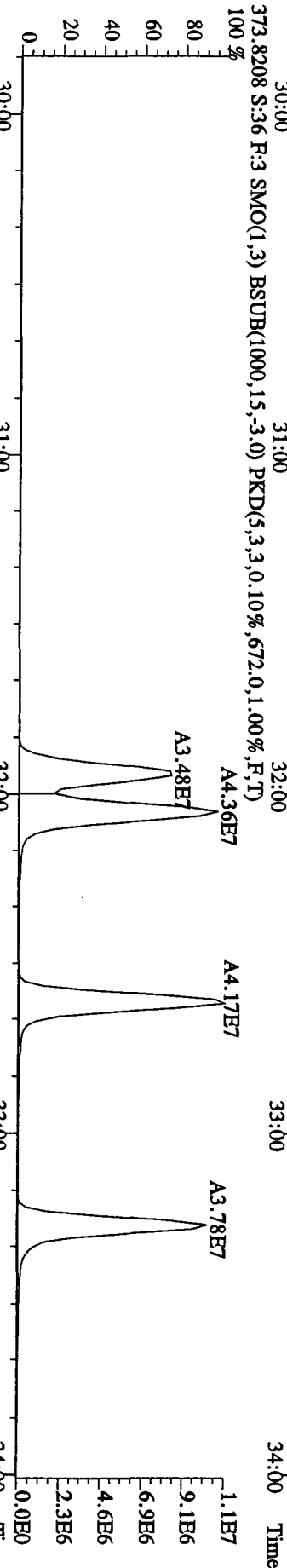
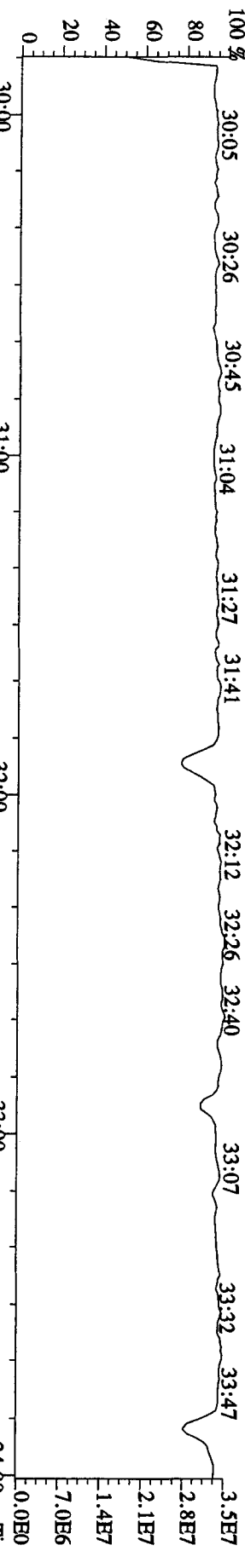
409.7974 S:3.6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)



File:27AP104D5 #1-604 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRES8290A
 354.9792 S:36 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 22:51 23:42 24:08 24:58 26:02 26:44 27:26 27:53 28:36 29:00 29:34

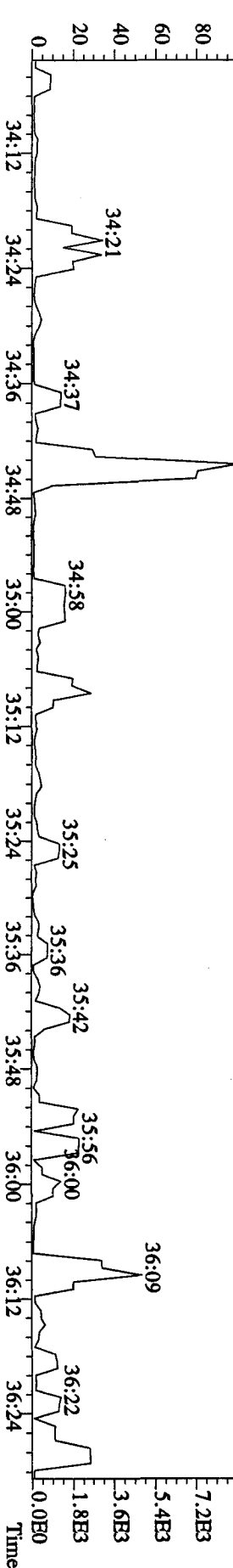
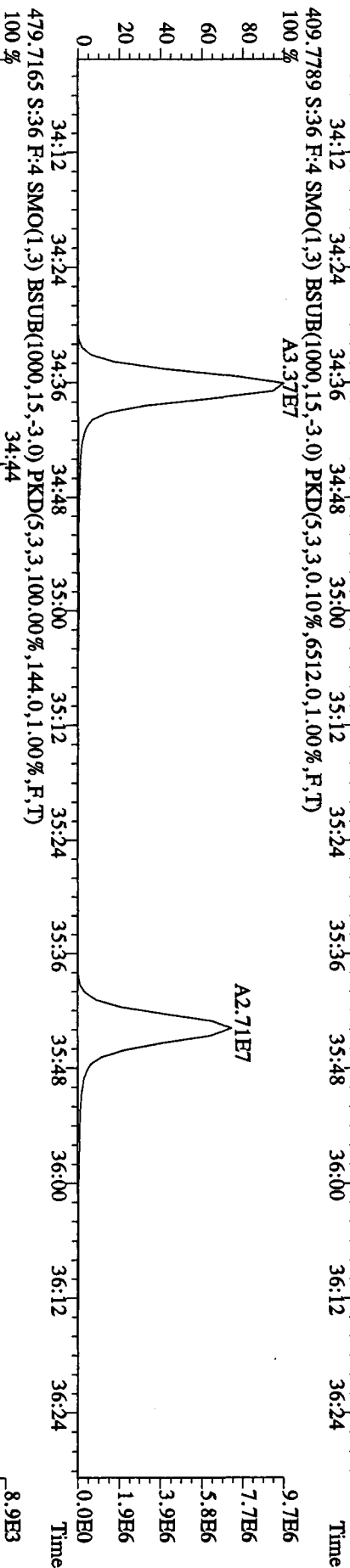
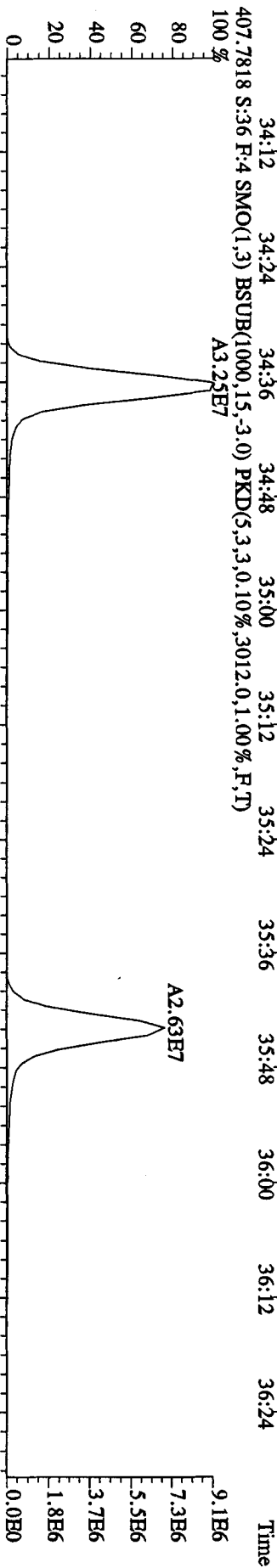
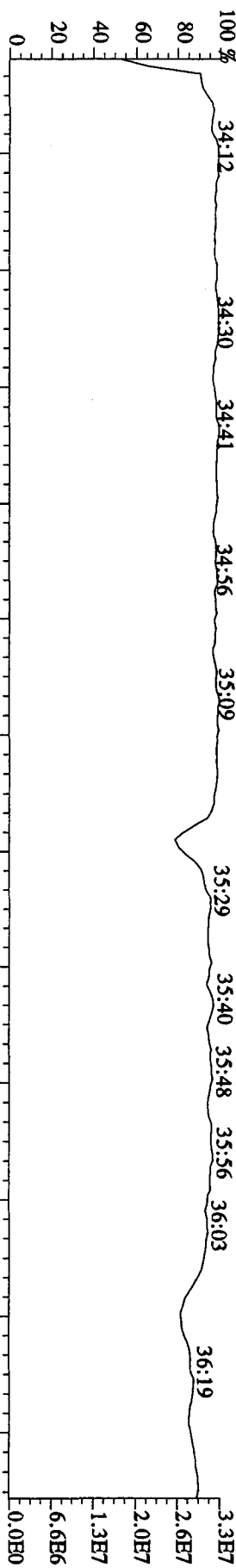


File: 27AP104D5 #1-317 Acq: 28-APR-2010 13:34:36 GC EI + Voltage SIR Autospec-UltimaB
 Sample#36 Text: ST0427B :CS3 10DXN083 Exp: DIOXINRES8290A
 430.9728 S:3.6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 30:05 30:26 30:45 31:04 31:27 31:41 32:12 32:26 32:40 33:07 33:32 33:47

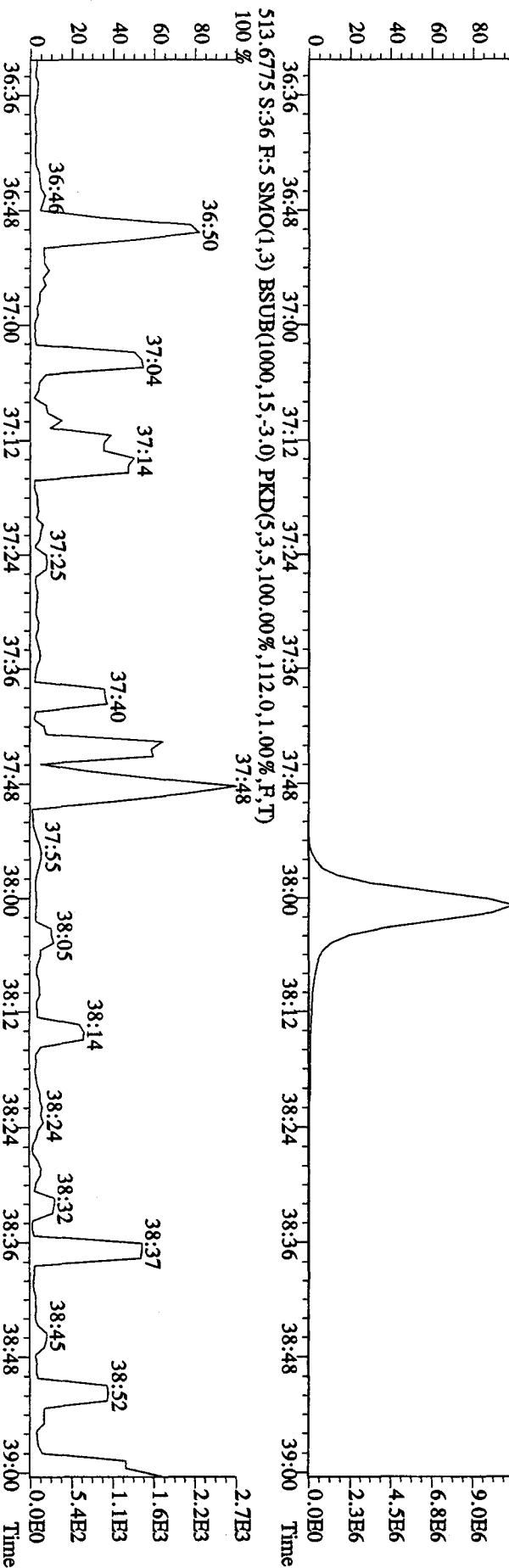
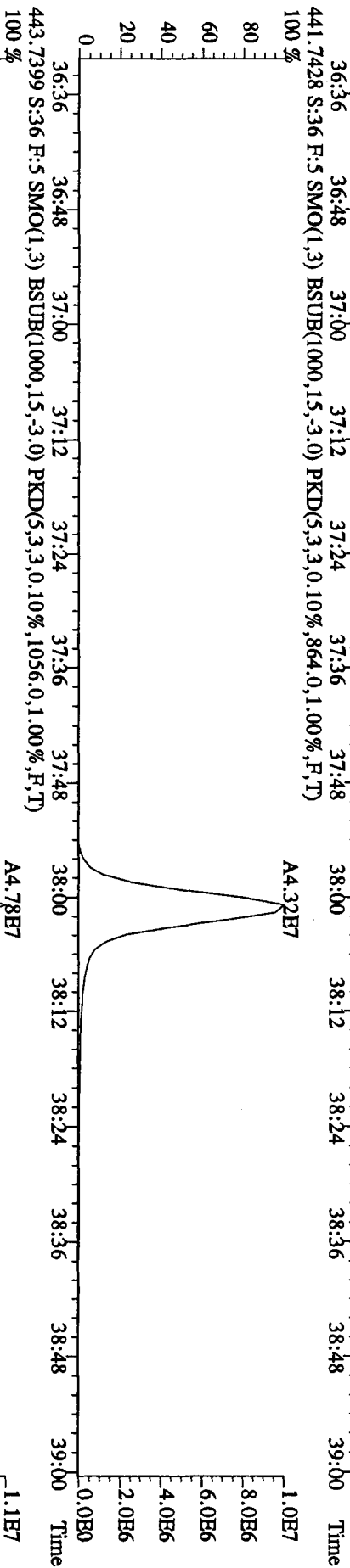
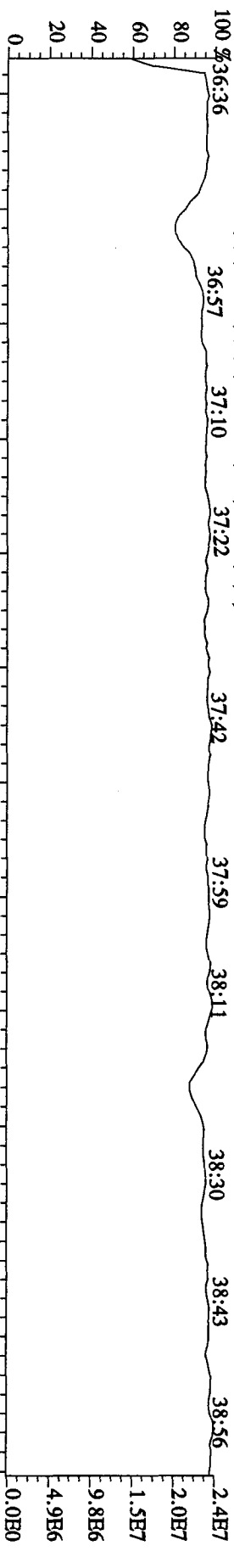


File:27AP104D5 #1-198 Acq:28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-UltimaB

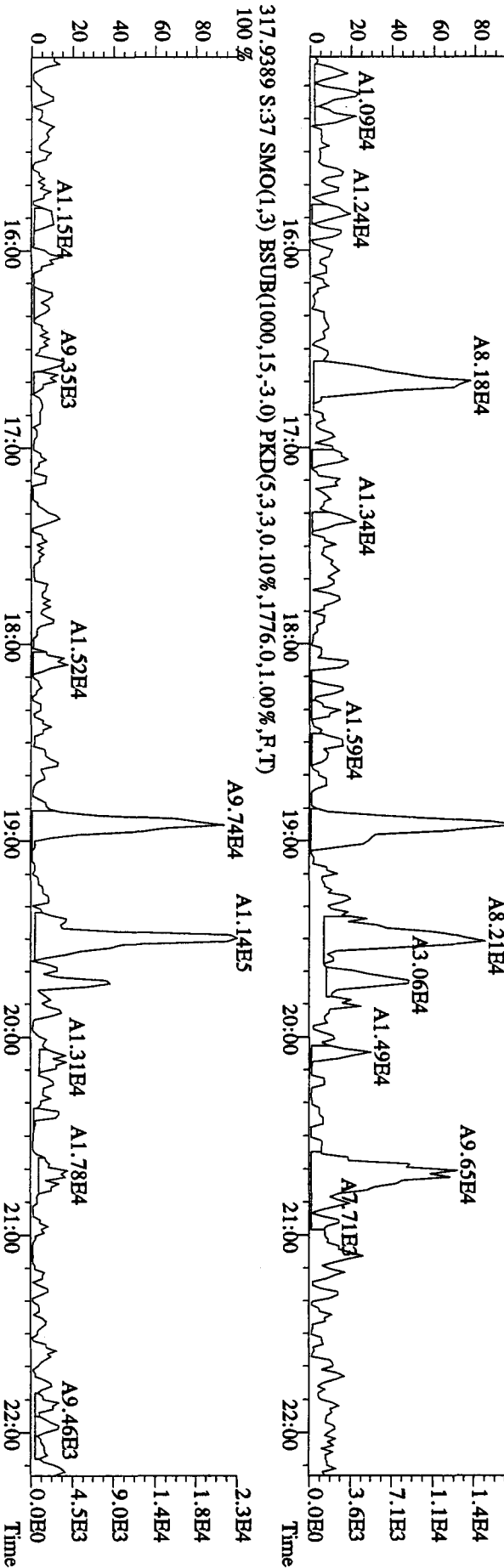
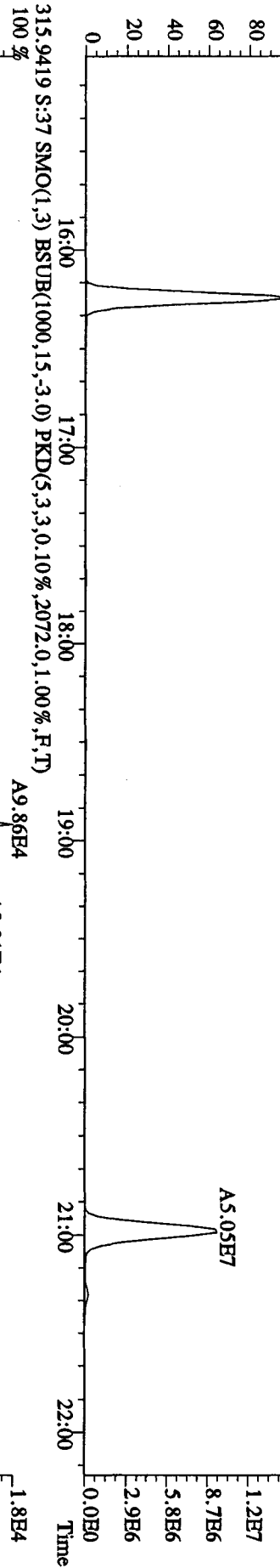
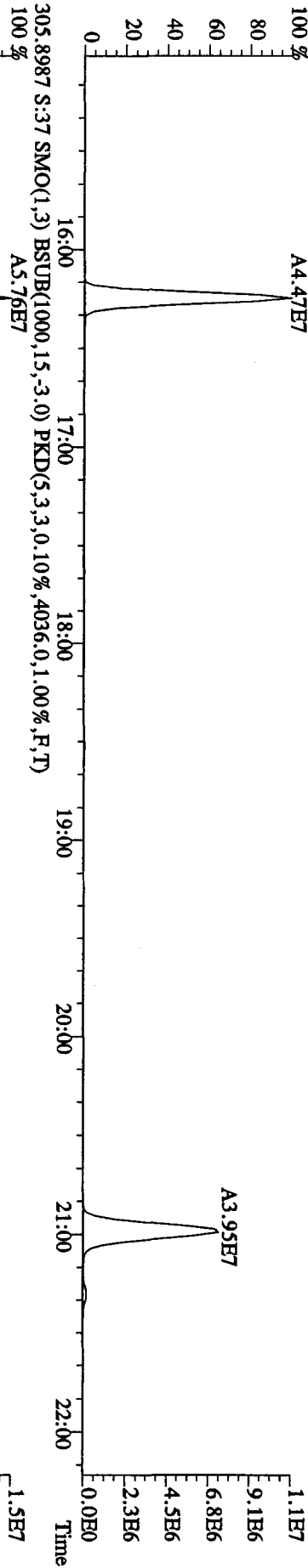
Sample#36 Text:ST0427B :CS3 10DXN083 Exp:DIOXINRES8290A



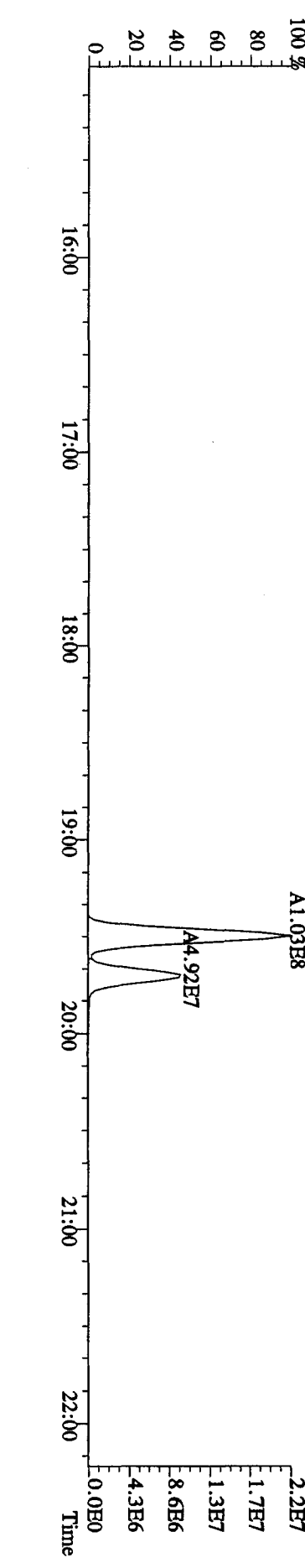
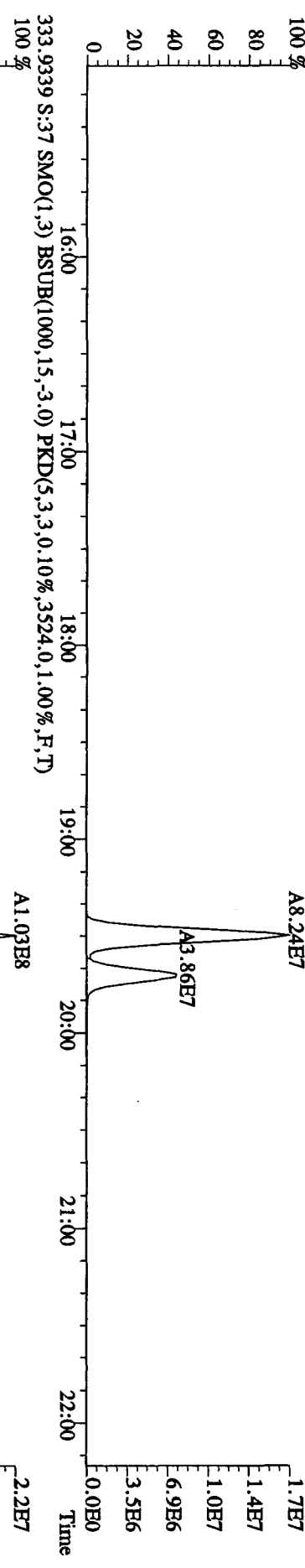
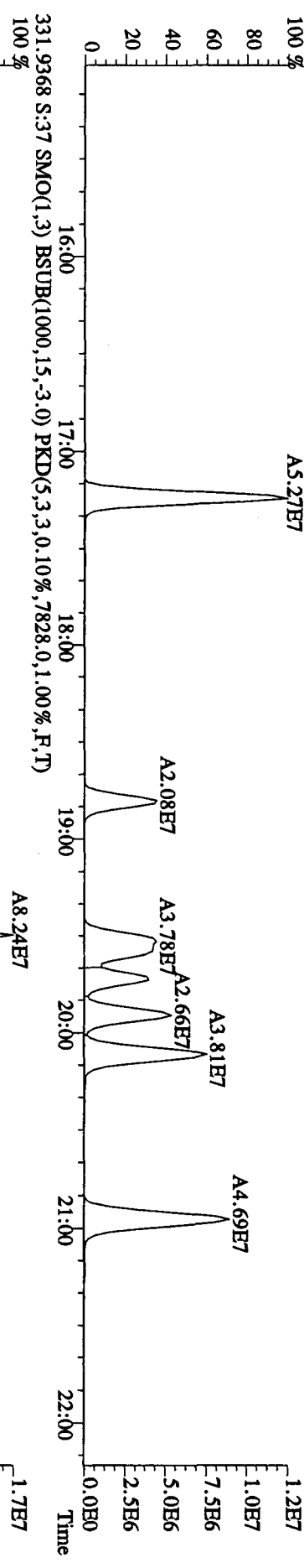
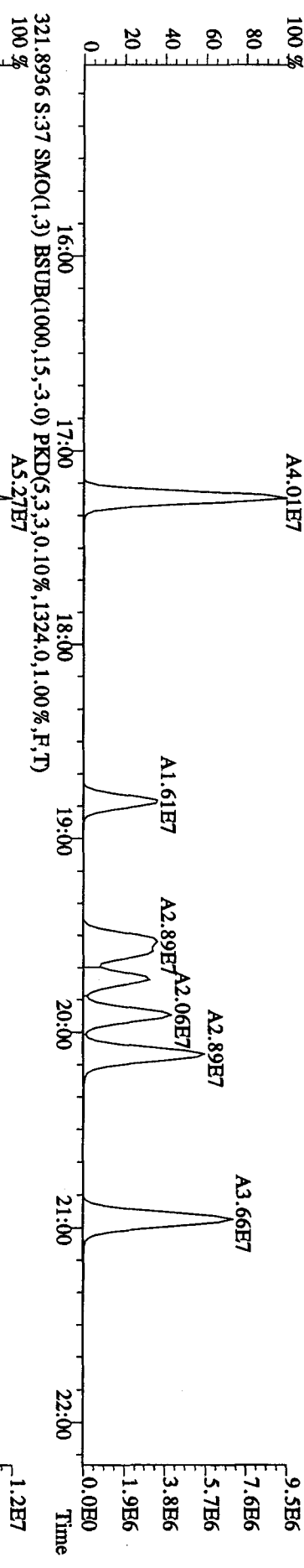
File: 27AP104D5 #1-190 Acq: 28-APR-2010 13:34:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#36 Text: ST0427B : CS3 10DXN083 Exp: DIOXINRES8290A



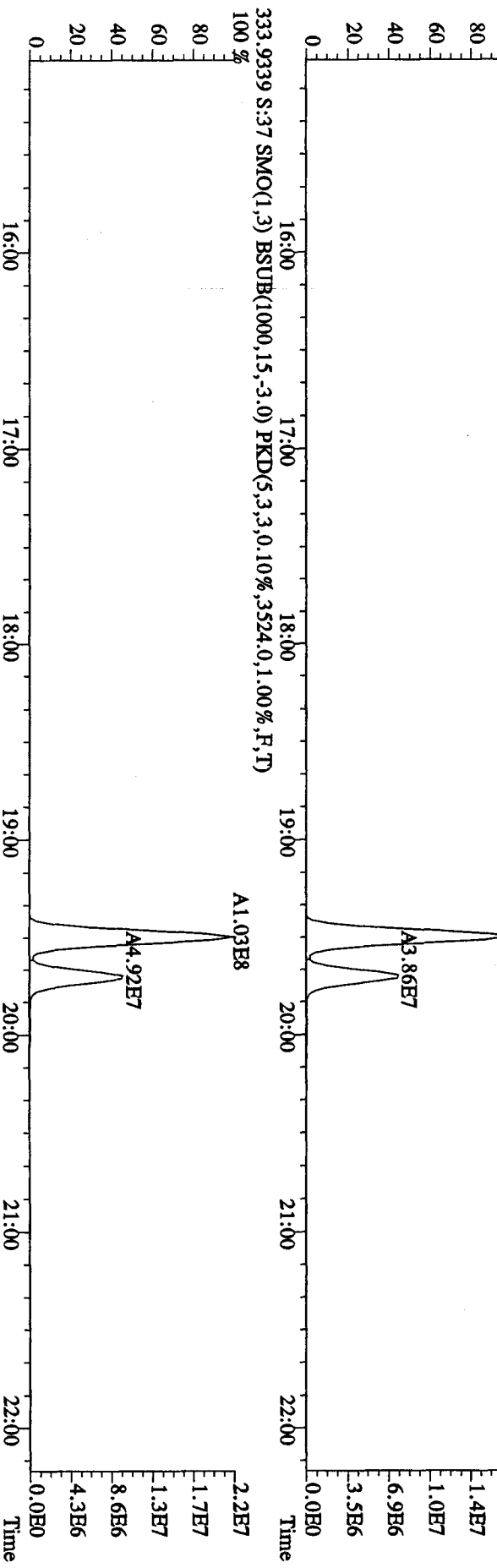
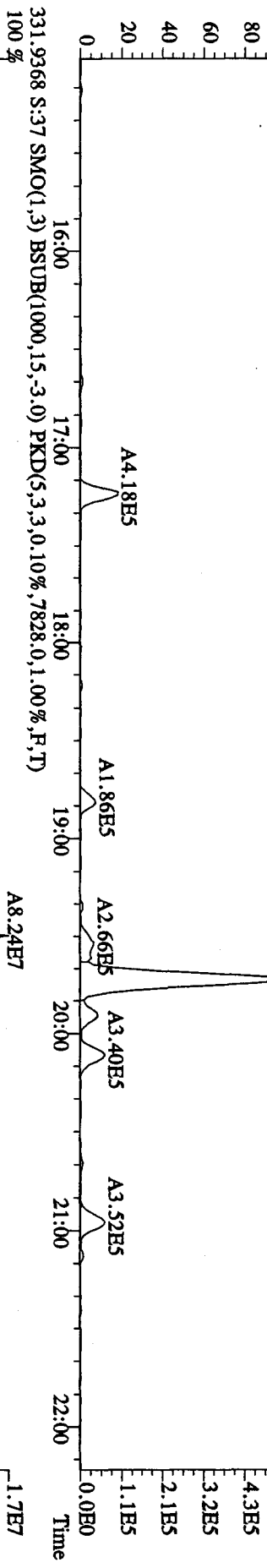
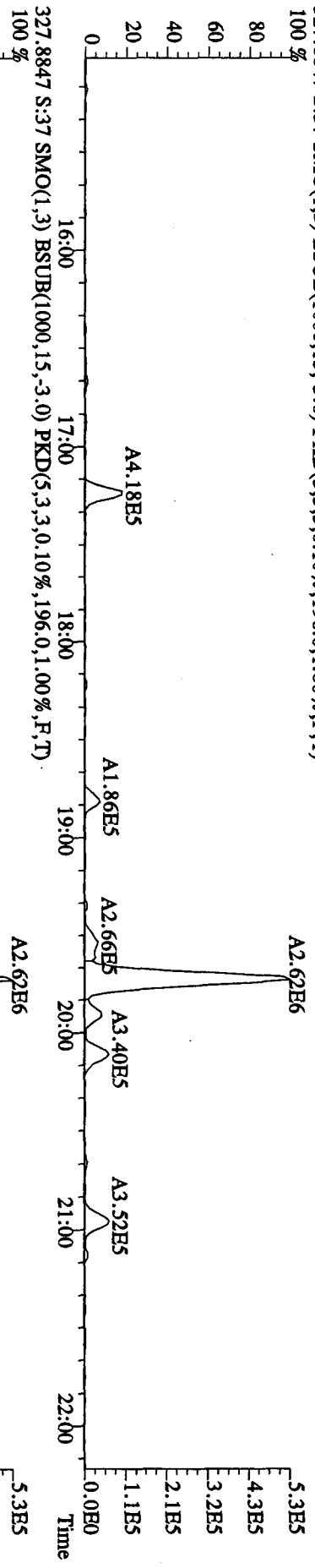
File:27AP104D5 #1-435 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#37 Text:CP0427B :DB-5 CPSM 3732-05 Exp.:DIOXINRES8290A
 303.9016 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1184.0,1.00%,F,T)
 100% A4.47E7



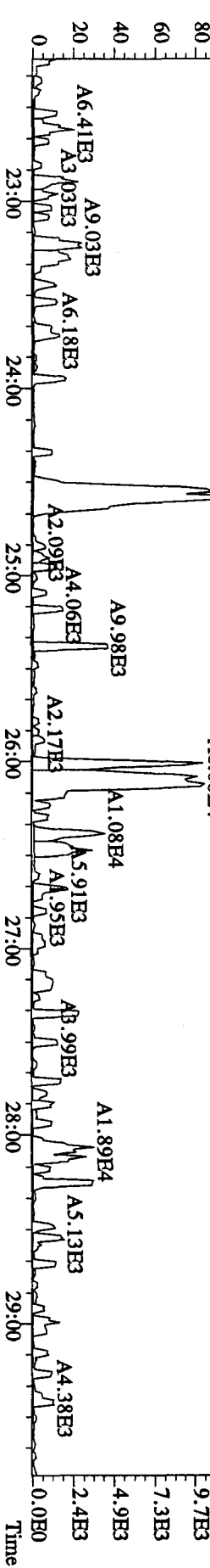
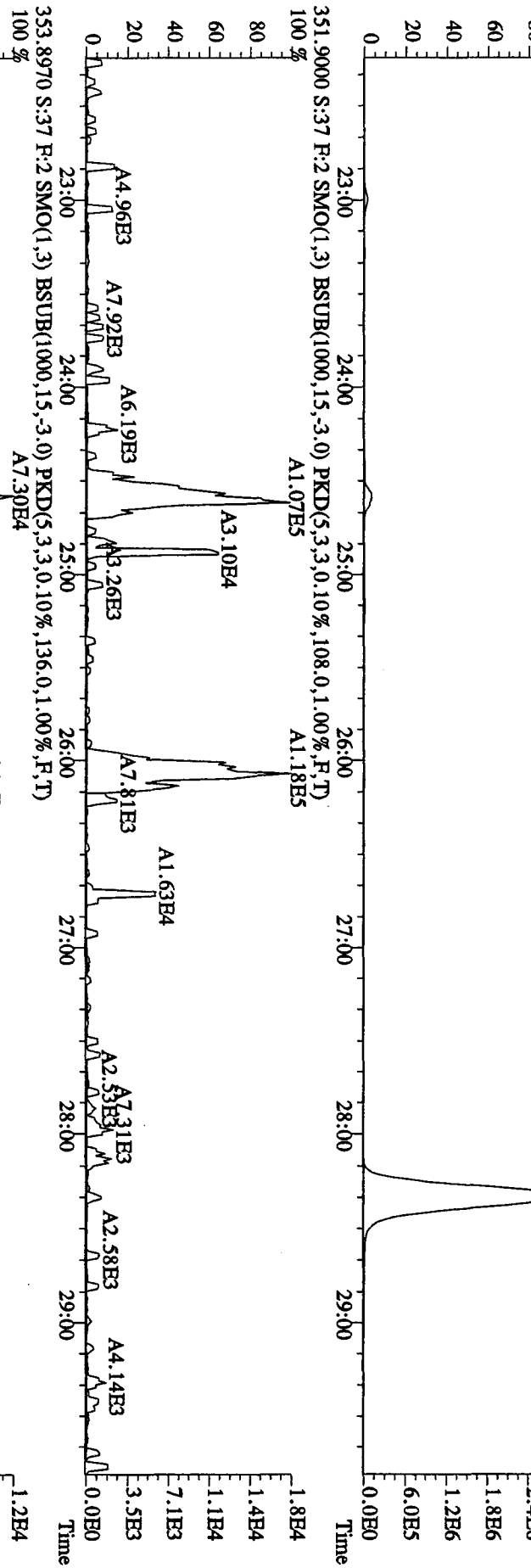
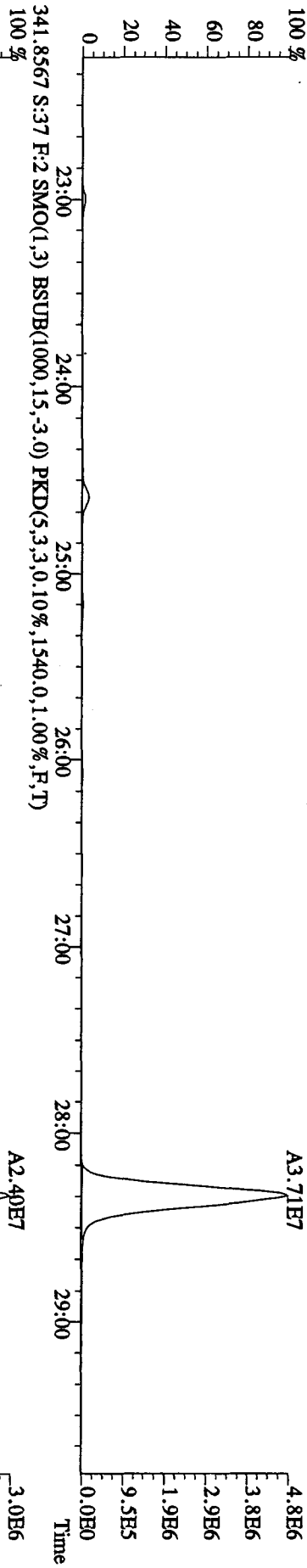
File: 27AP104D5 #1-435 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRESS8290A
 319.8965 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2312.0,1.00%,F,T)
 100%



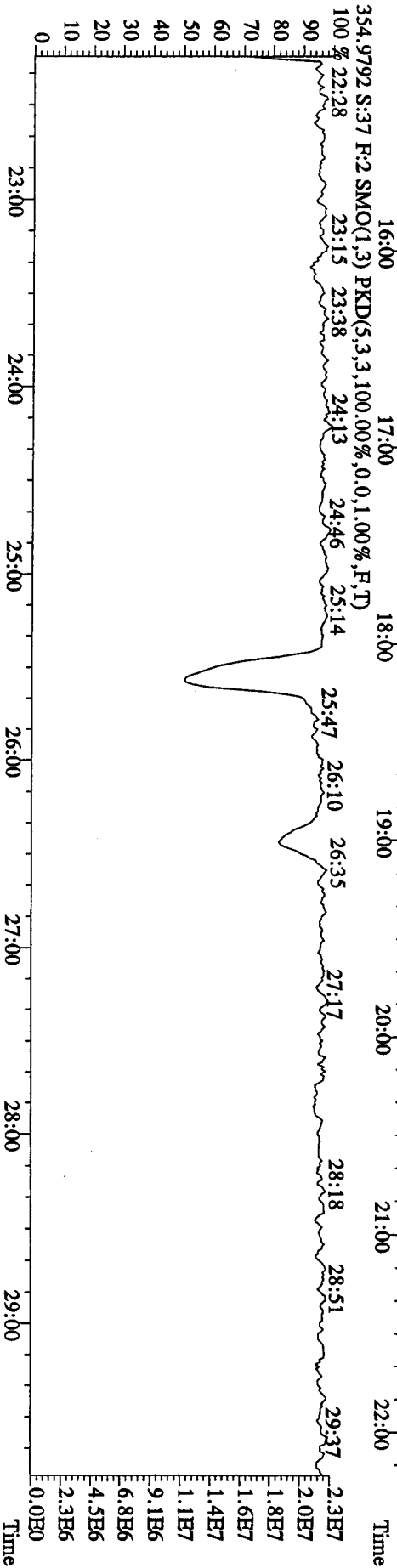
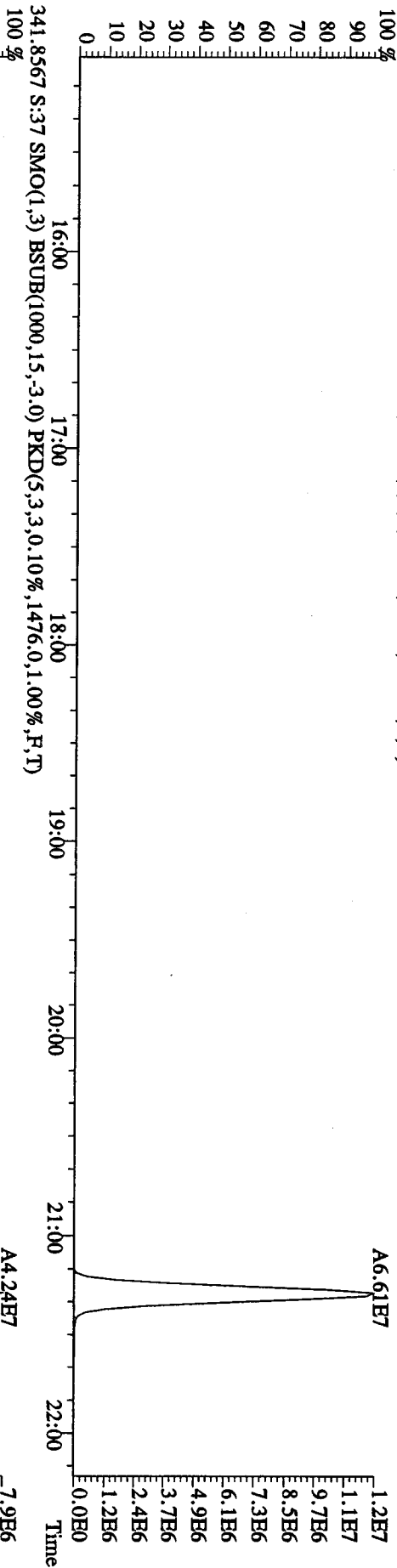
File: 27AP104D5 #1-435 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 327.8847 S:37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,196,0,1,00%,F,T)



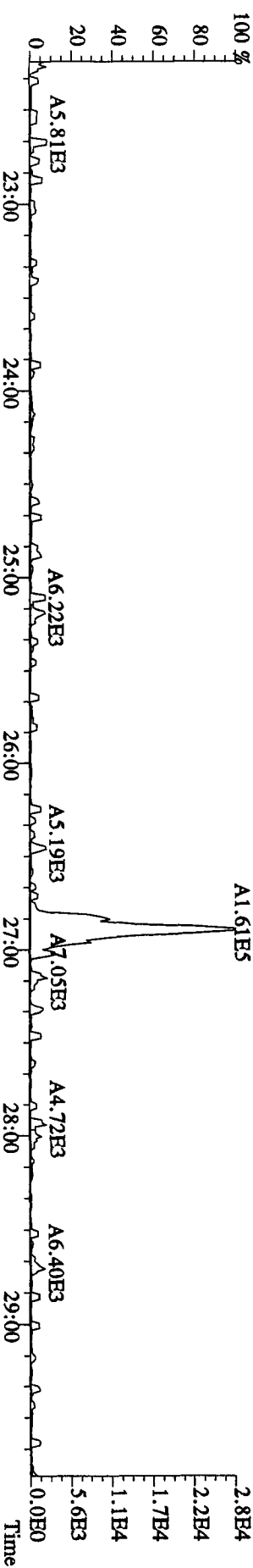
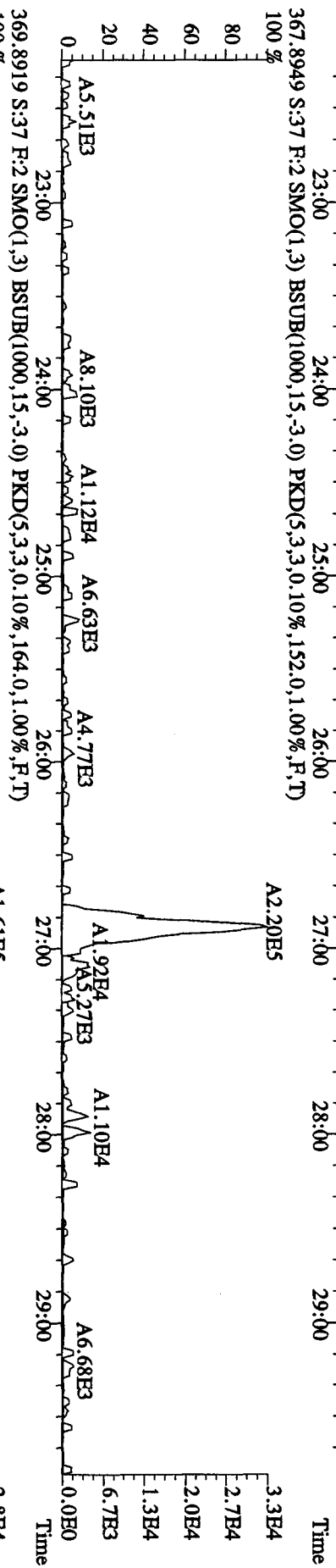
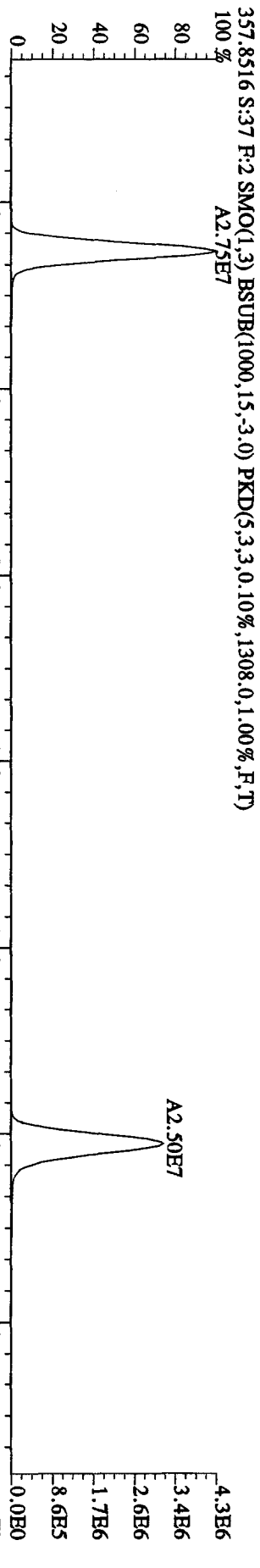
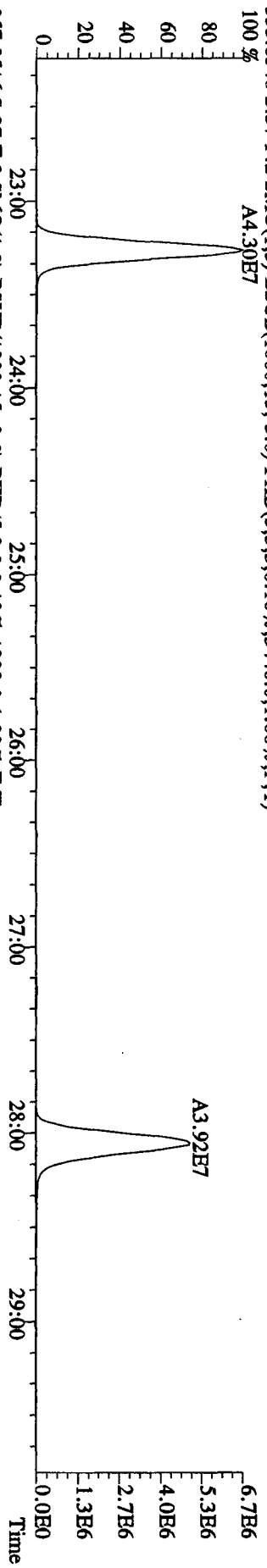
File: 27AP104D5 #1-604 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text: CP0427B :DB-5 CPM 3732-05 Exp: DIOXINRES8290A
 339.8597 S:37 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1164,0,1,00%,F,T)



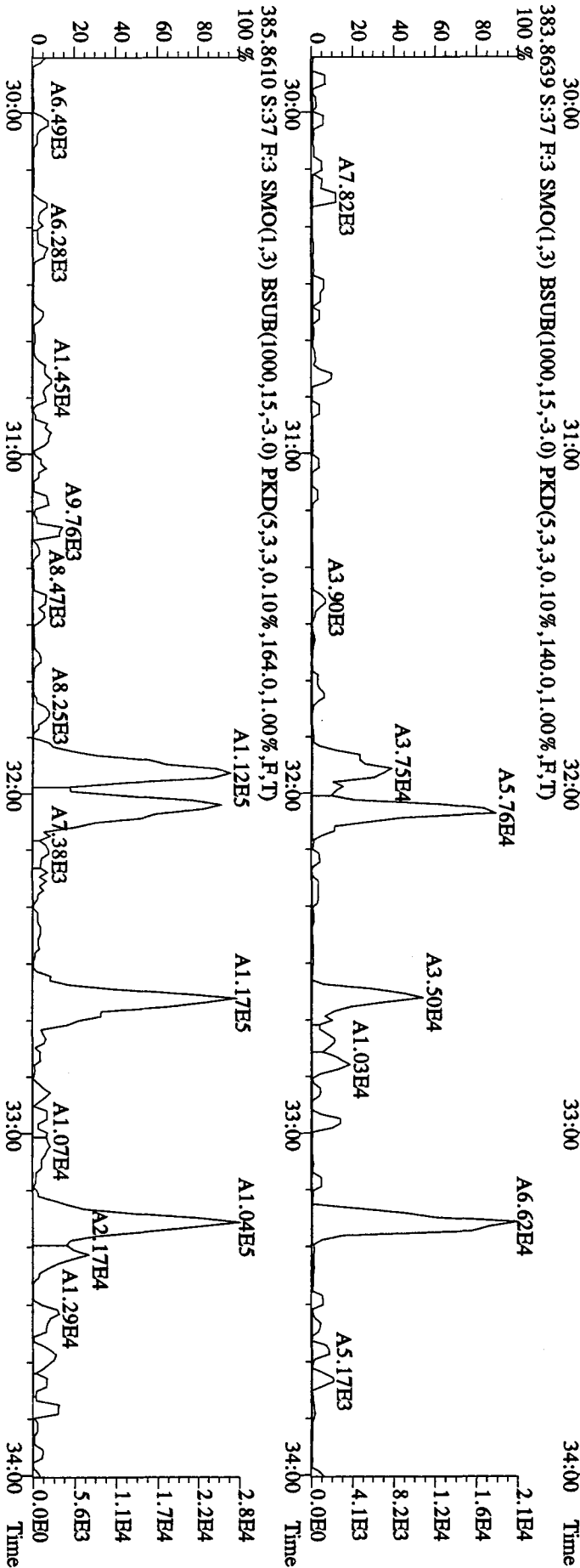
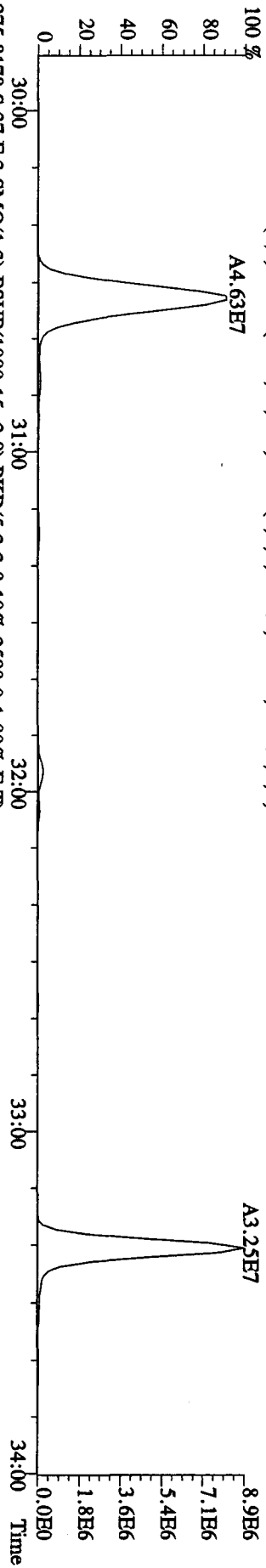
File: 27AP104D5 #1-435 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 339.8597 S:37 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,652.0,1.00%,F,T)



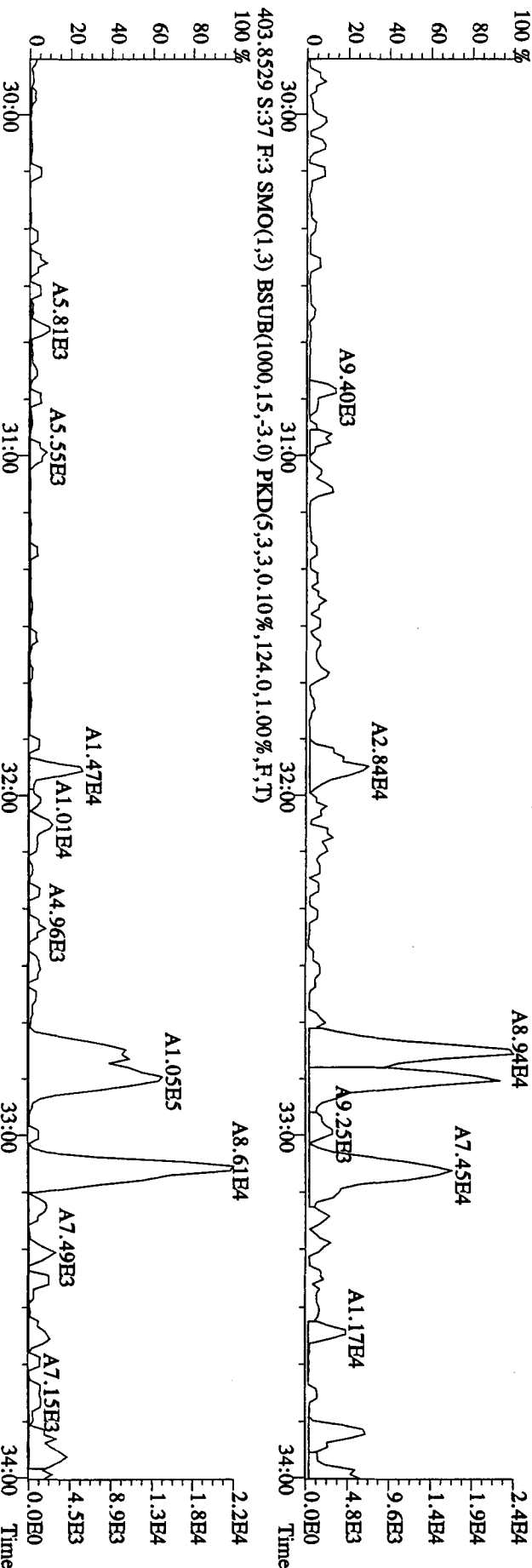
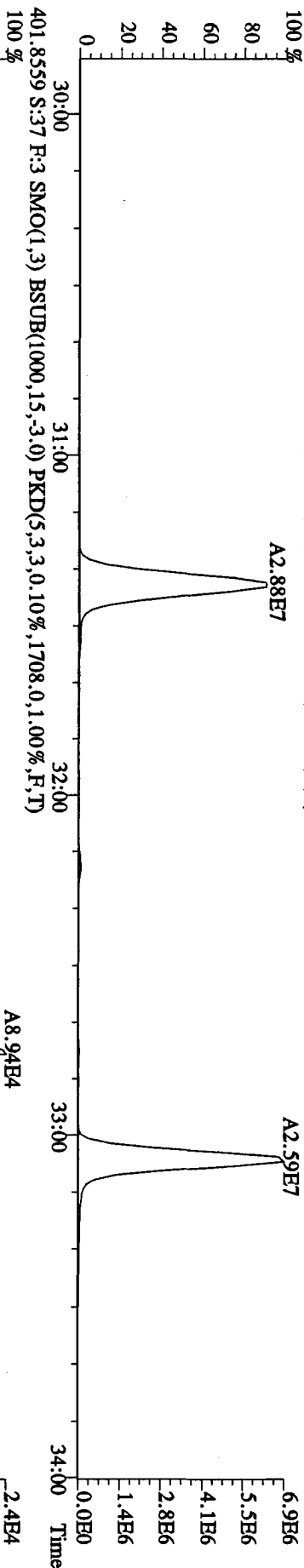
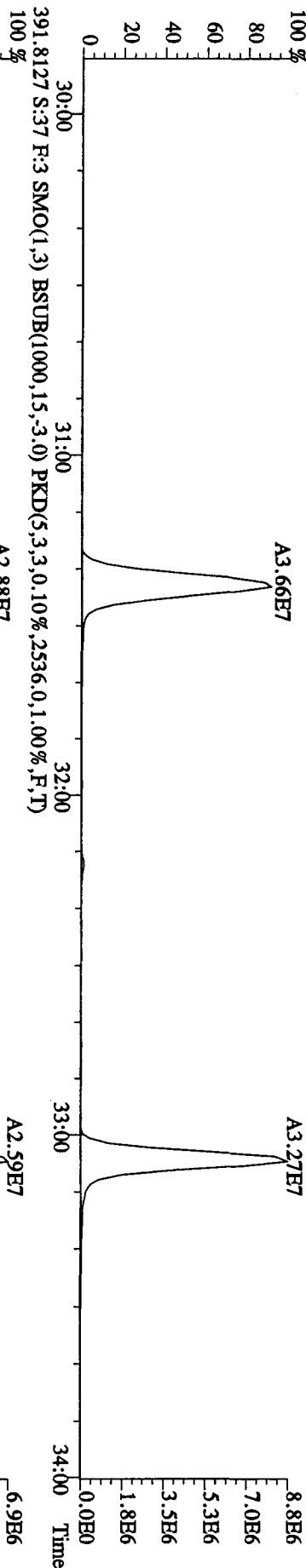
File: 27AP104D5 #1-604 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 355.8546 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3440.0,1.00%,F,T)
 100%



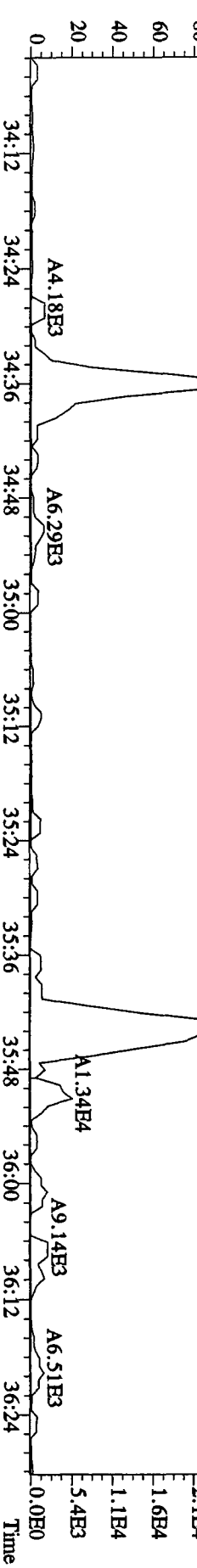
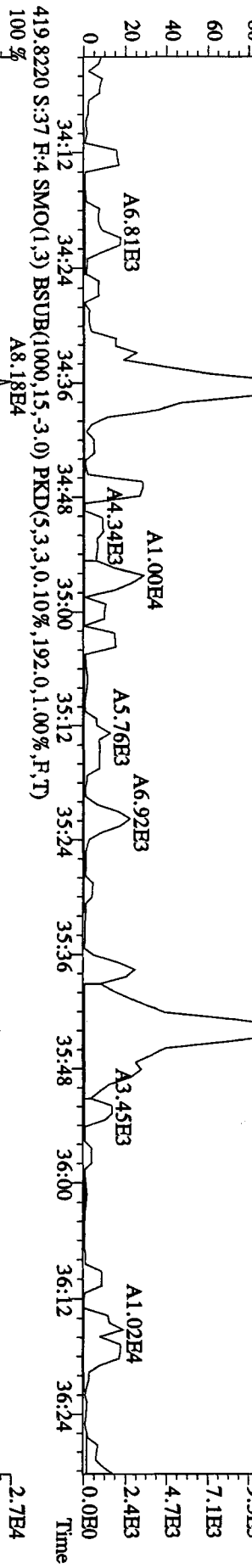
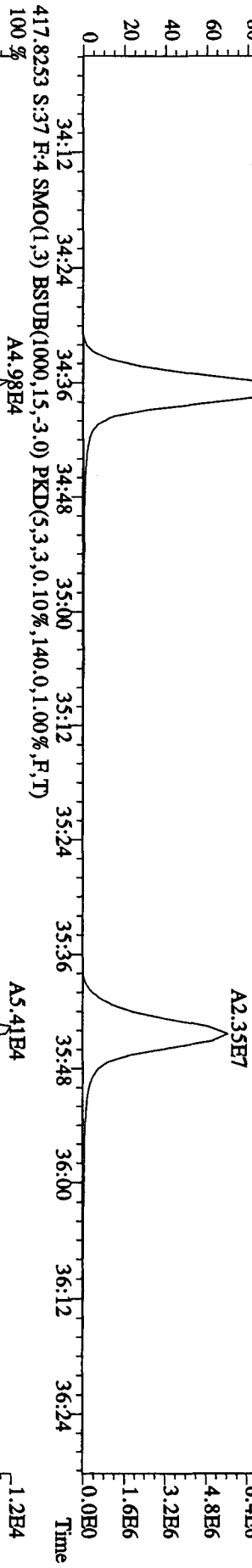
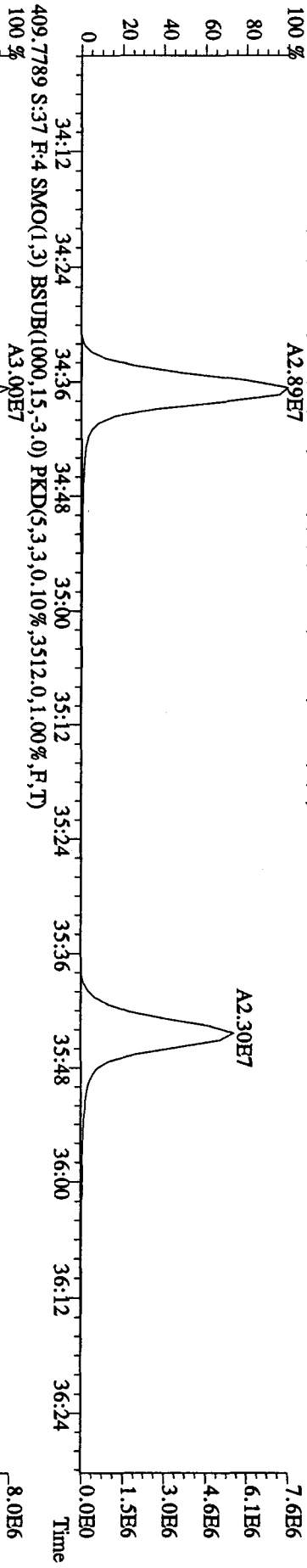
File: 27AP104D5 #1-316 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2236.0,1.00%,F,T)



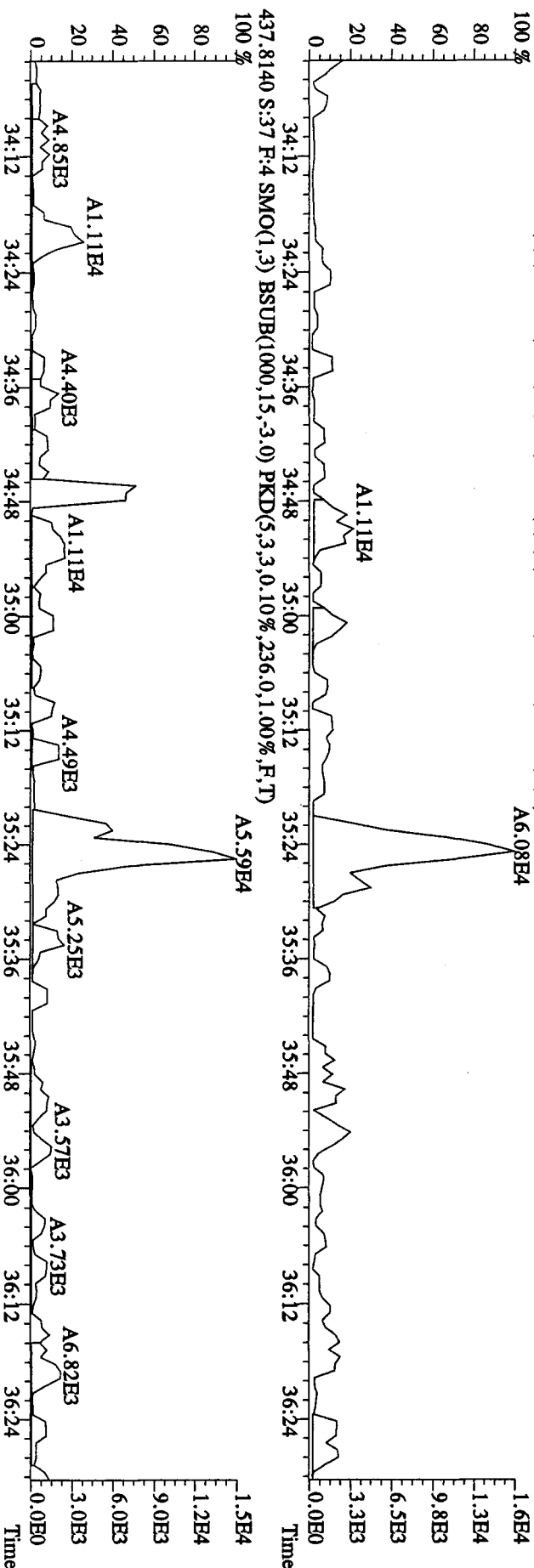
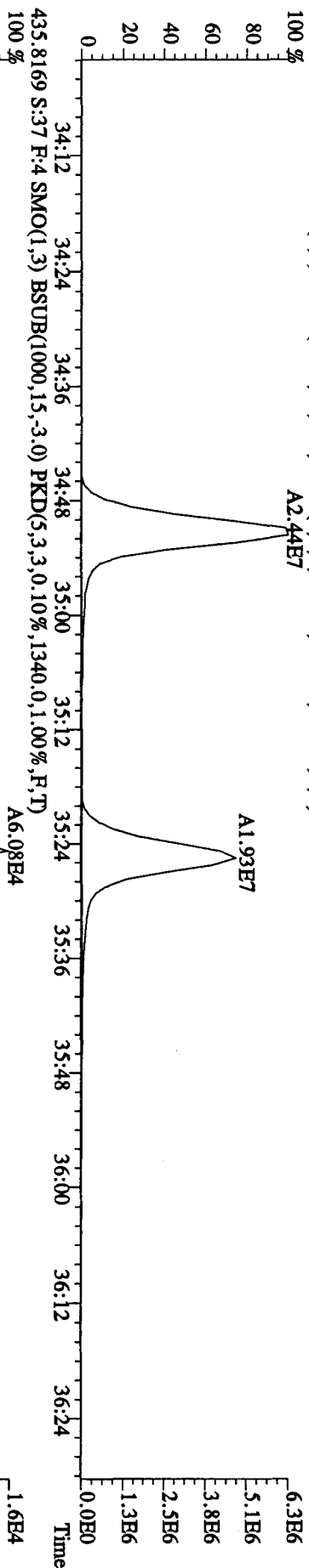
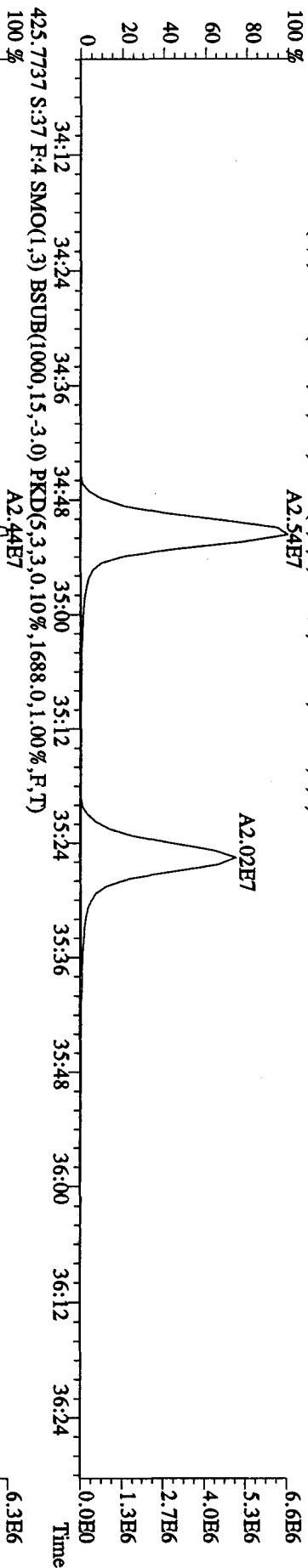
File:27AP104D5 #1-316 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#37 Text:CP0427B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 389.8157 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3840,0.1,0.0%,F,T)



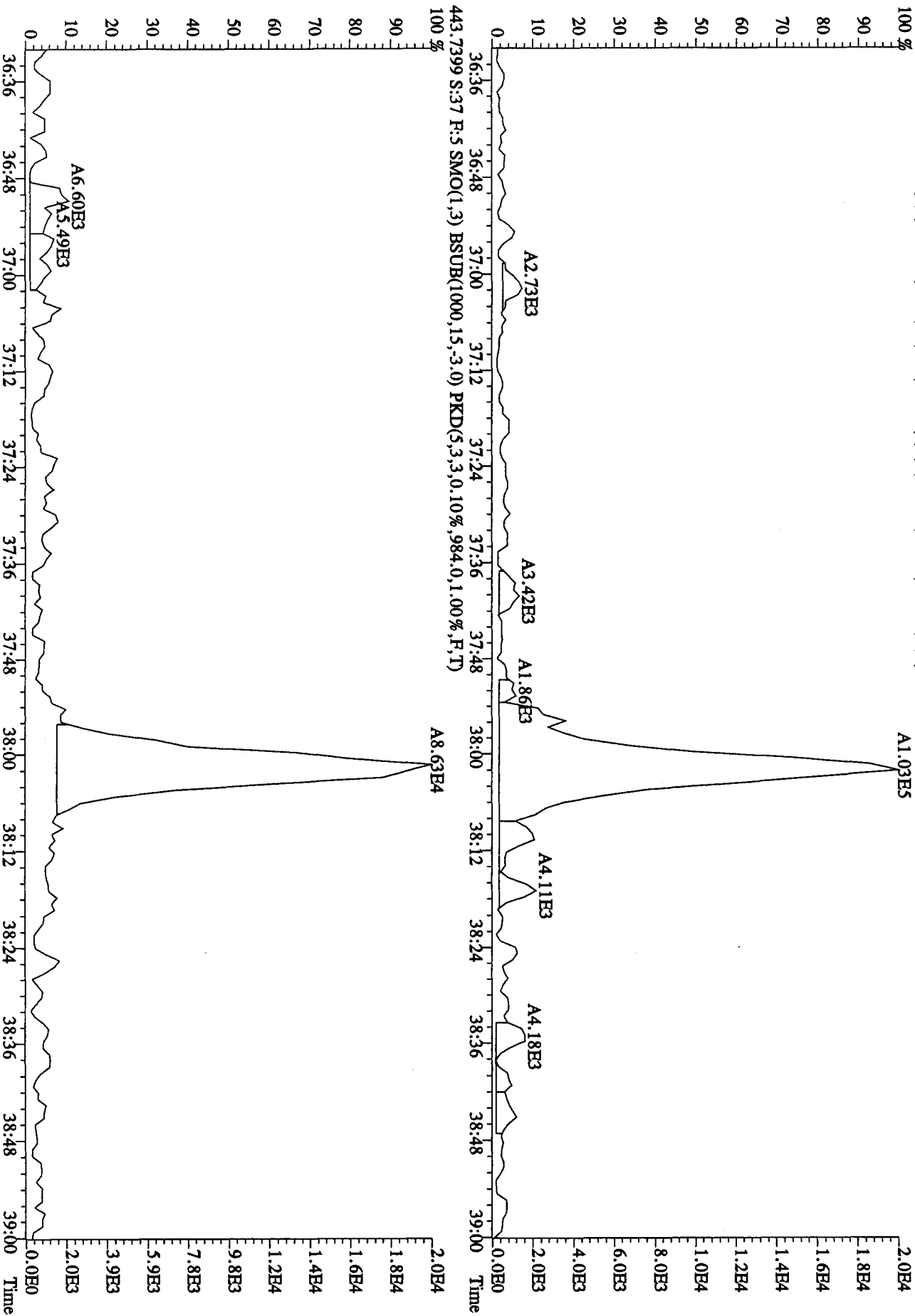
File:27AP104D5 #1-198 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text:CP0427B :DB-5 CPM 3732-05 Exp:DIOXINRES8290A
 407.7818 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5364.0,1.00%,F,T)
 100%



File: 27AP104D5 #1-198 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRESS8290A
 423.7766 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2484.0,1.00%,F,T)
 100%



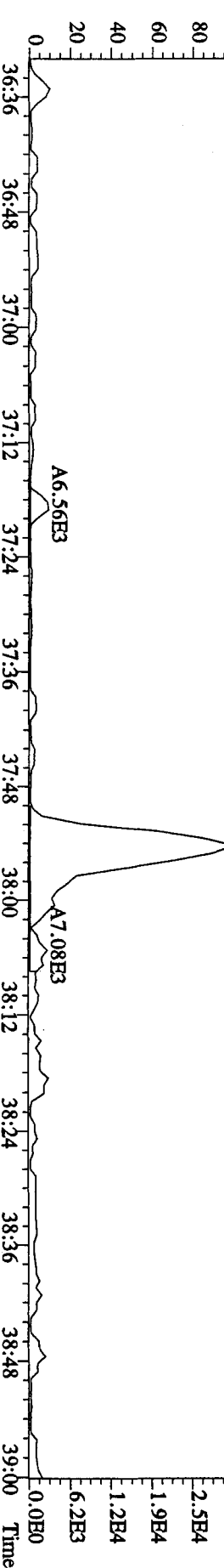
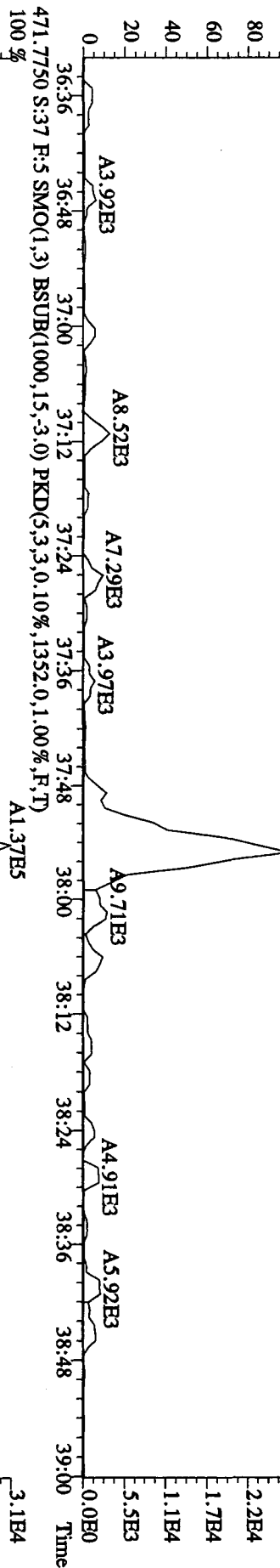
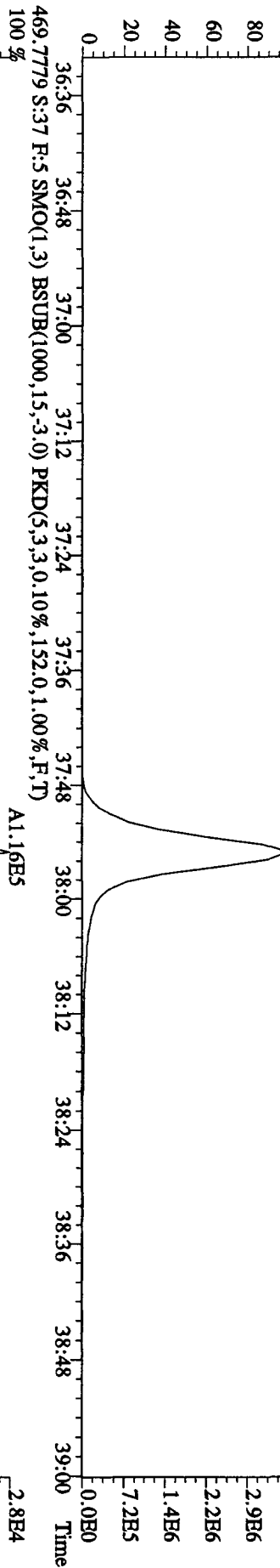
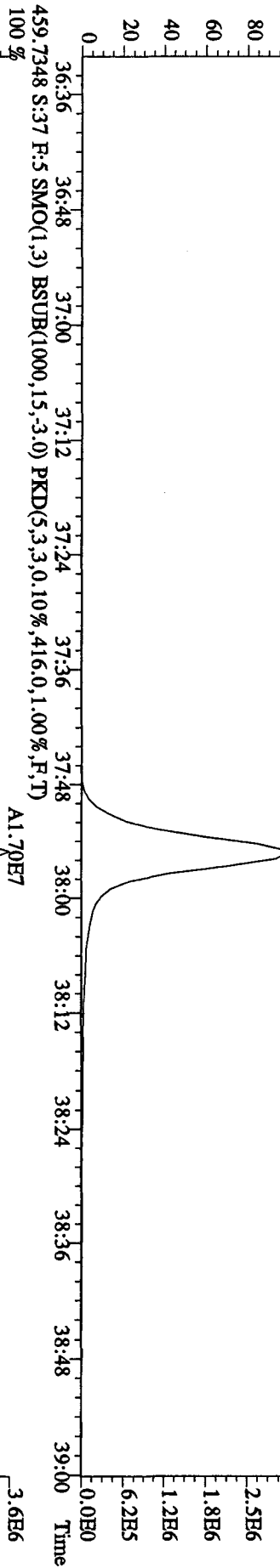
File: 27AP104D5 #1-190 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRSS8290A
 441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,780,0,1.00%,F,T)



File:27AP104D5 #1-190 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaE

Sample#37 Text:CP0427B :DB-5 CPM 3732-05 Exp:DIOXINRES8290A

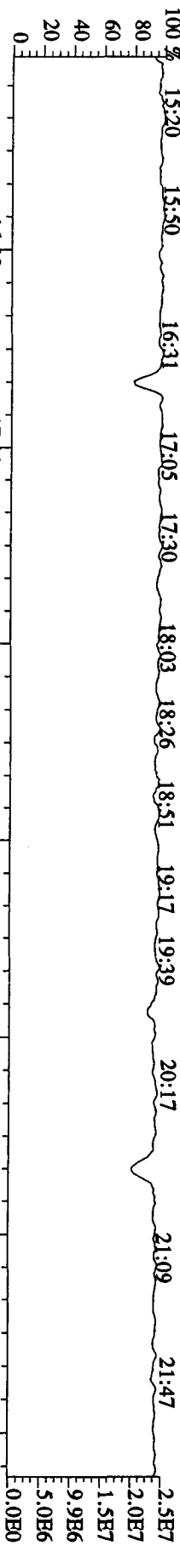
459.7348 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,668.0,1.00%,F,T)



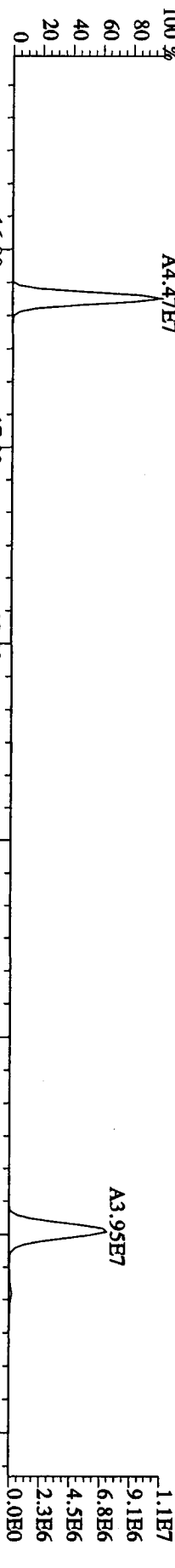
File:27AP104D5 #1-435 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaB

Sample#37 Text:CP0427B :DB-5 CPISM 3732-05 Exp:DIOXINRES8290A

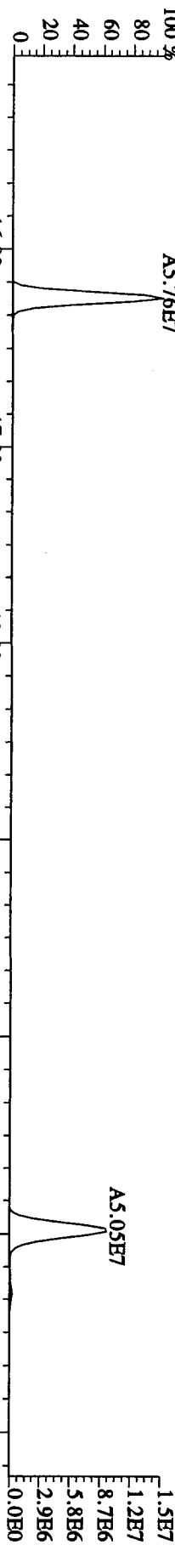
354.9792 S:37 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



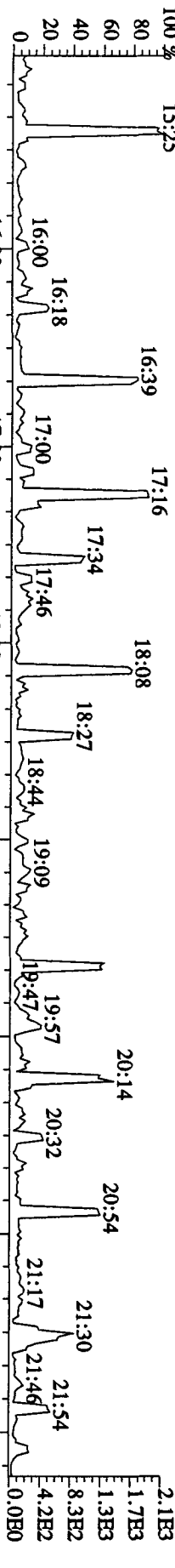
303.9016 S:37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



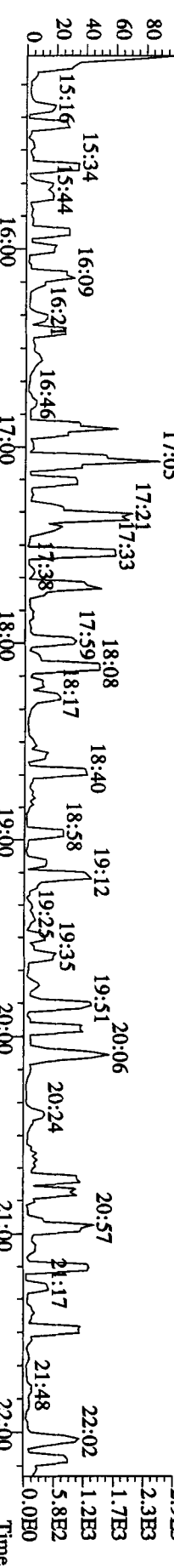
305.8987 S:37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4036.0,1.00%,F,T)



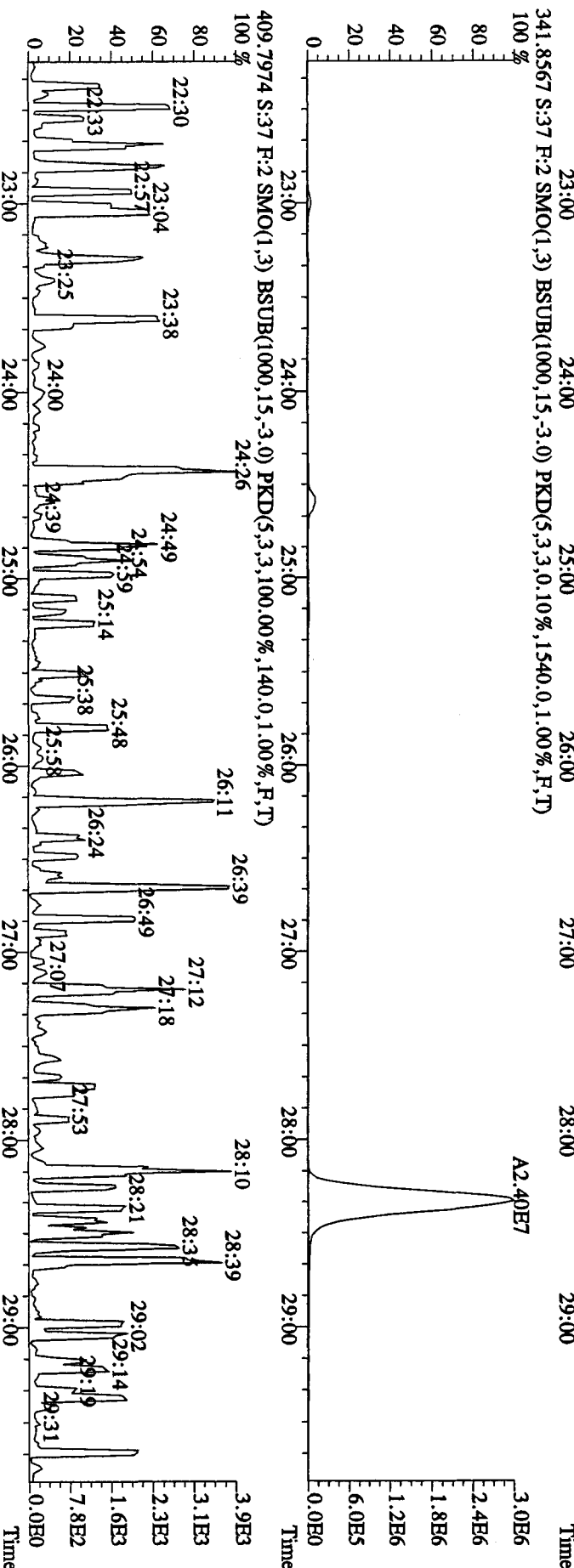
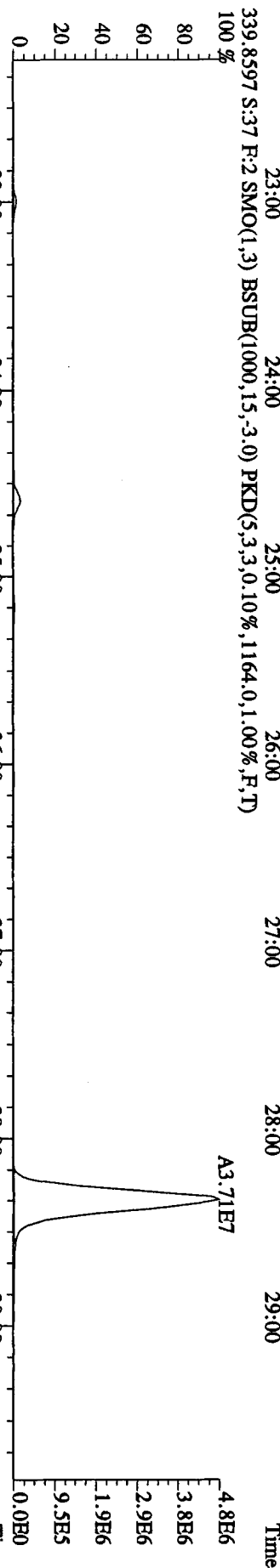
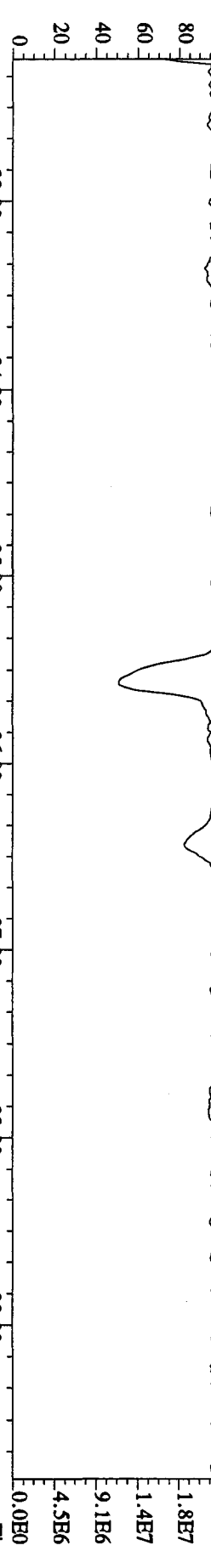
375.8364 S:37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,132.0,1.00%,F,T)



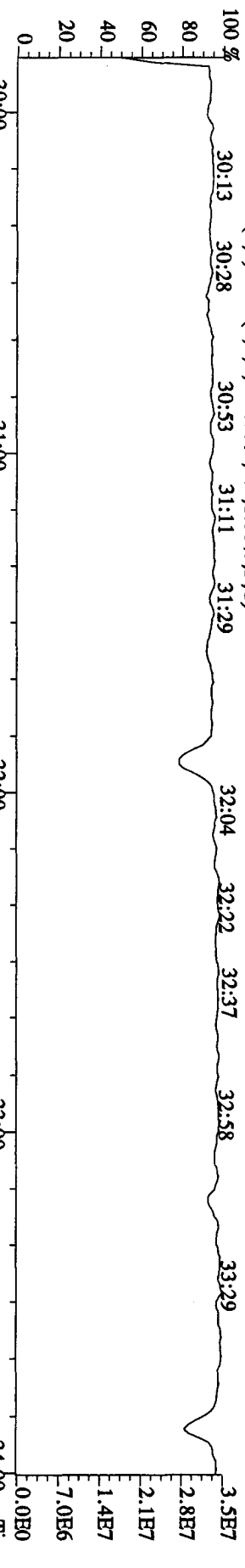
409.7974 S:37 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,120.0,1.00%,F,T)



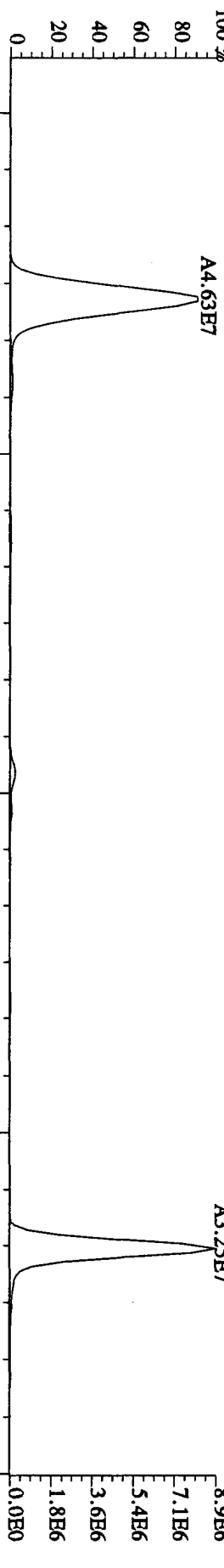
File:27AP104D5 #1-604 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#37 Text:CP0427B :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 354.9792 S:37 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 22:28 23:15 23:38 24:13 24:46 25:14 25:47 26:10 26:35 27:17 28:18 28:51 29:37



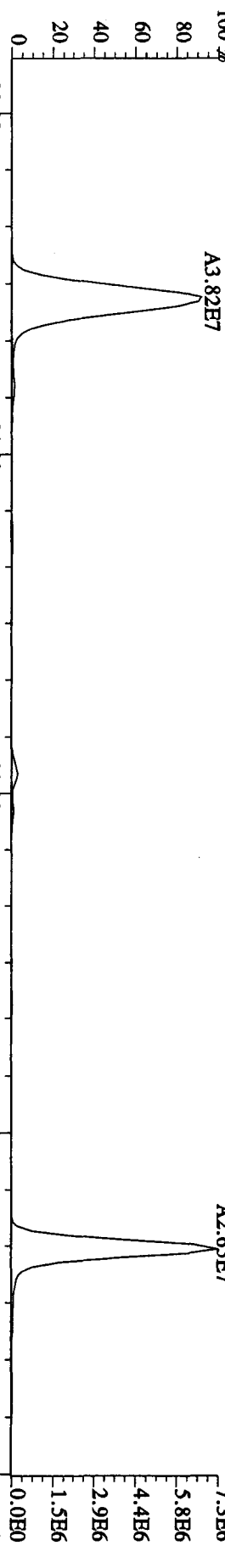
File: 27AP104D5 #1-316 Acq: 28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text: CP0427B :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 430.9728 S:37 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 30:13 30:28 30:53 31:11 31:29 32:04 32:22 32:37 32:58 33:29



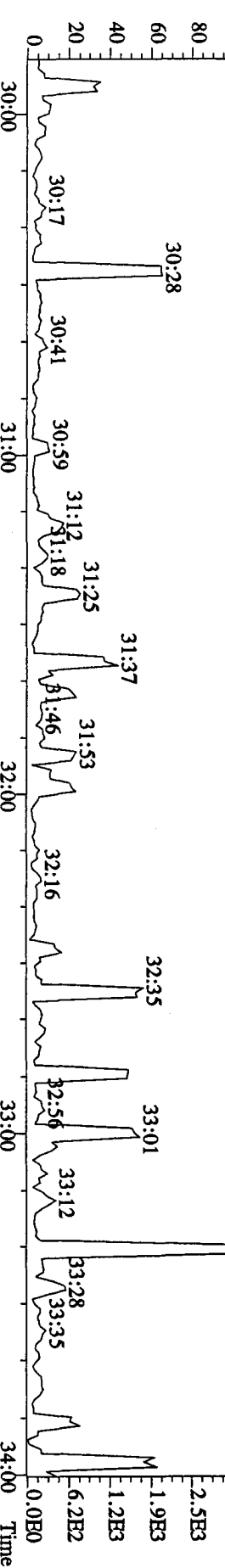
373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2236,0,1.00%,F,T)
 100%
 8.9B6
 7.1B6
 5.4B6
 3.6B6
 1.8B6
 0.0B0



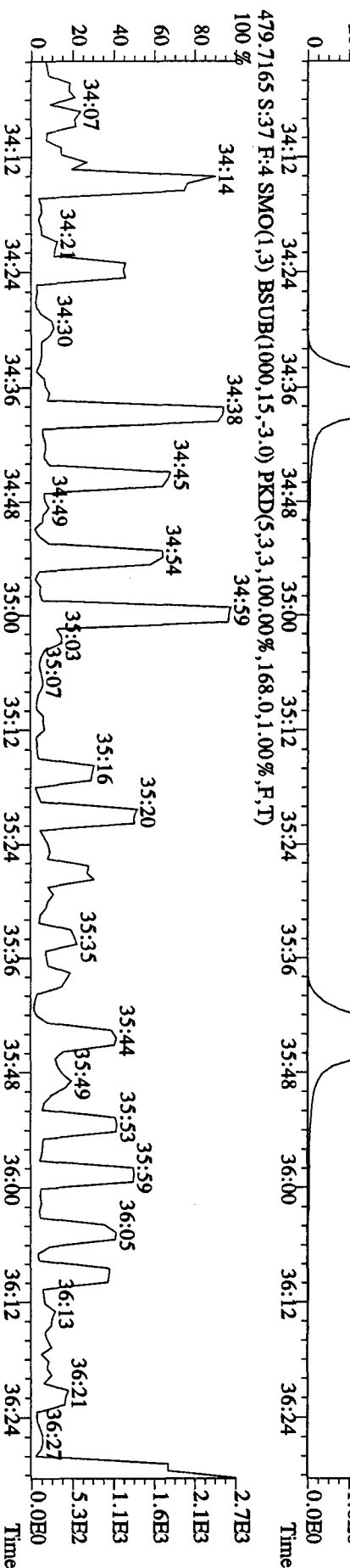
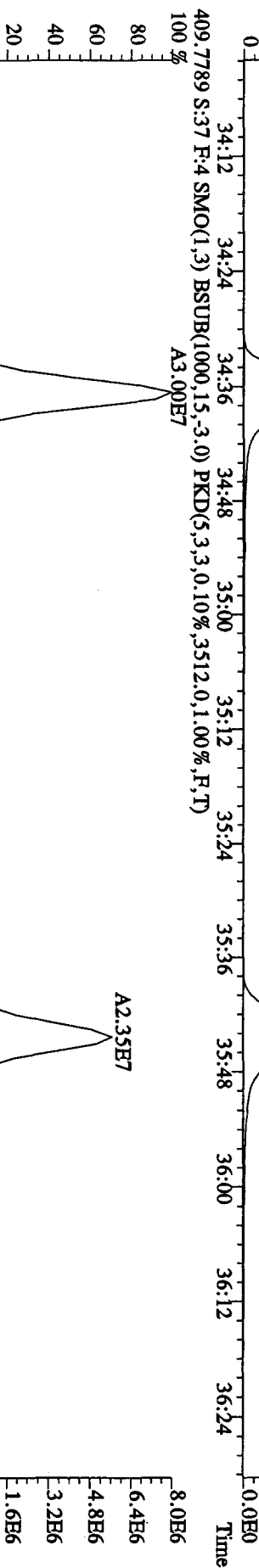
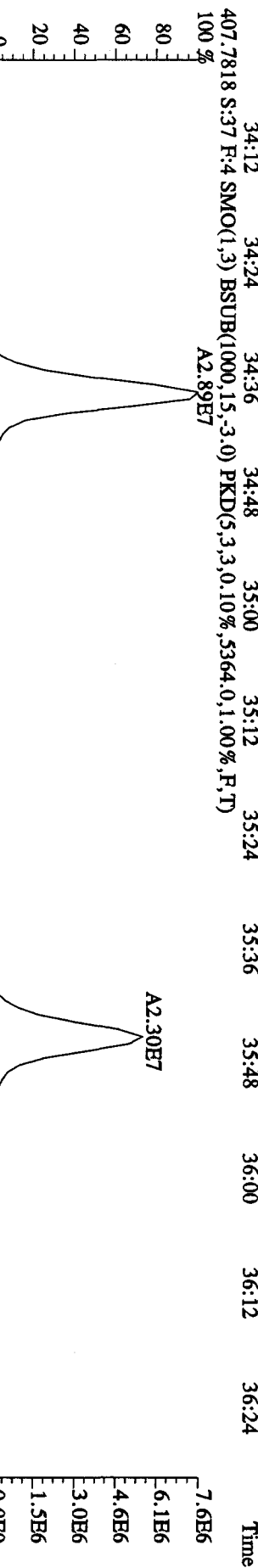
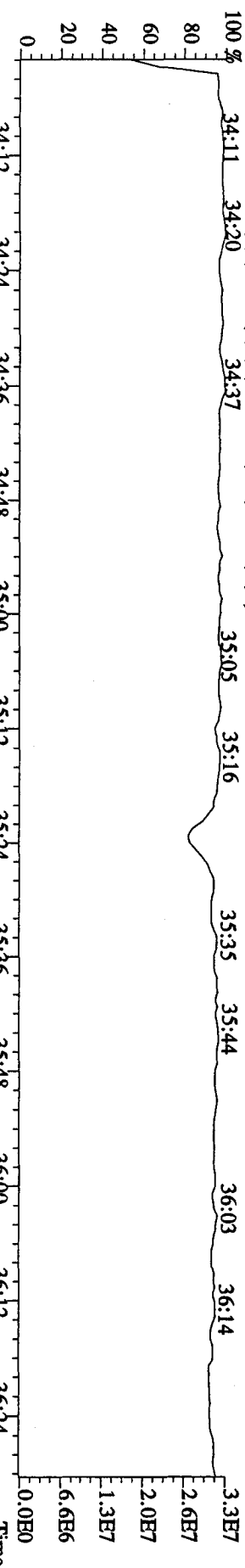
375.8178 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2588,0,1.00%,F,T)
 100%
 7.3B6
 5.8B6
 4.4B6
 2.9B6
 1.5B6
 0.0B0



445.7555 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,208,0,1.00%,F,T)
 100%
 3.1B3
 2.5B3
 1.9B3
 1.2B3
 6.2B2
 0.0B0



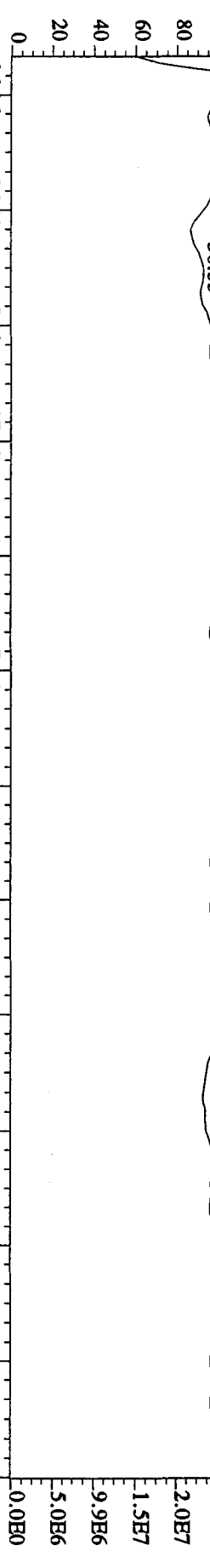
File:27AP104D5 #1-198 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#37 Text:CP0427B :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 430.9728 S:37 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



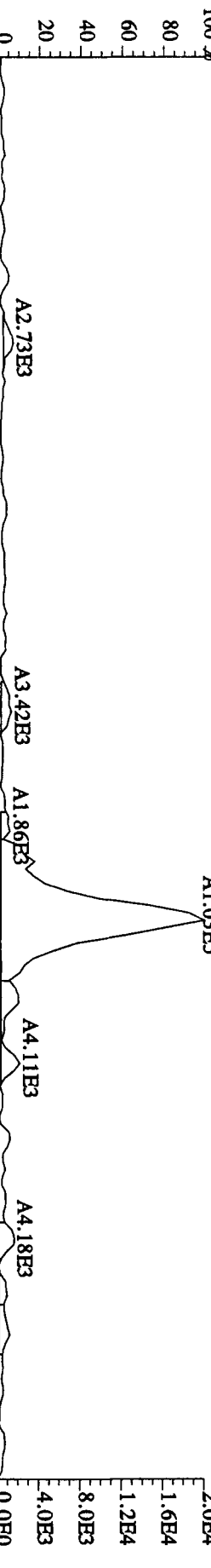
File:27AP104D5 #1-190 Acq:28-APR-2010 14:18:41 GC EI+ Voltage SIR Autospec-UltimaB

Sample#37 Text:CP0427B :DB-5 CFSM 3732-05 Exp:DIOXINRES8290A

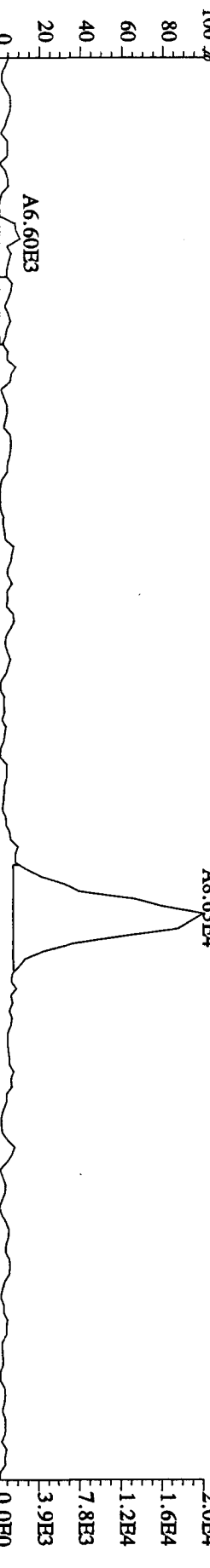
442.9728 S:37 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



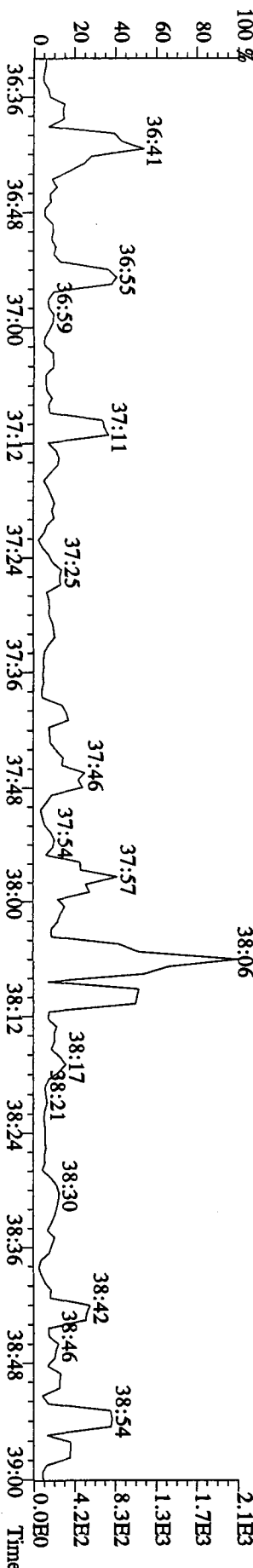
441.7428 S:37 F:5 SMO(1,3) PKD(5,3,3,0.10%,780.0,1.00%,F,T)



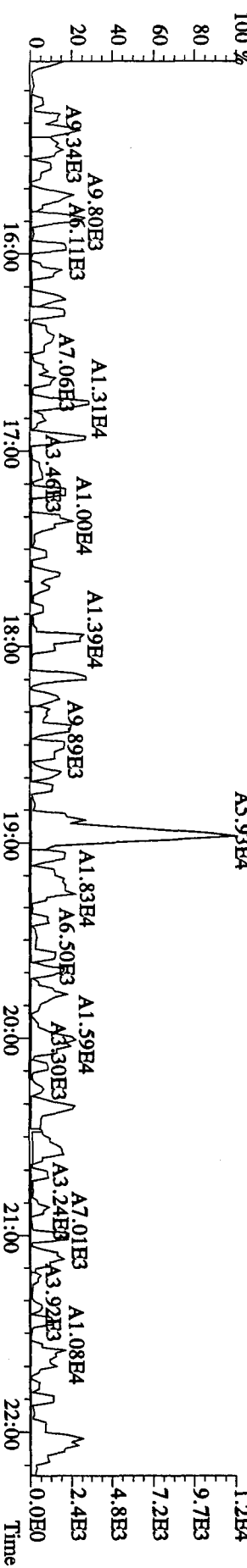
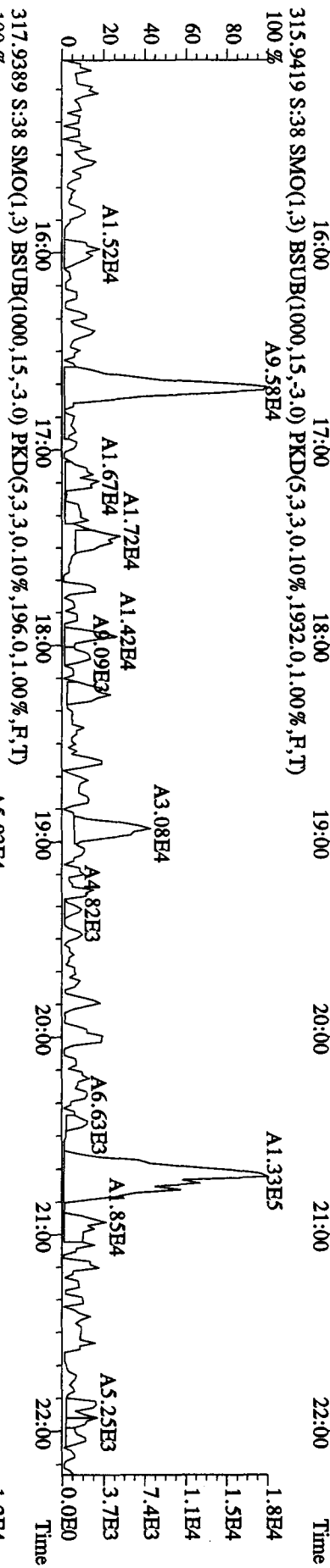
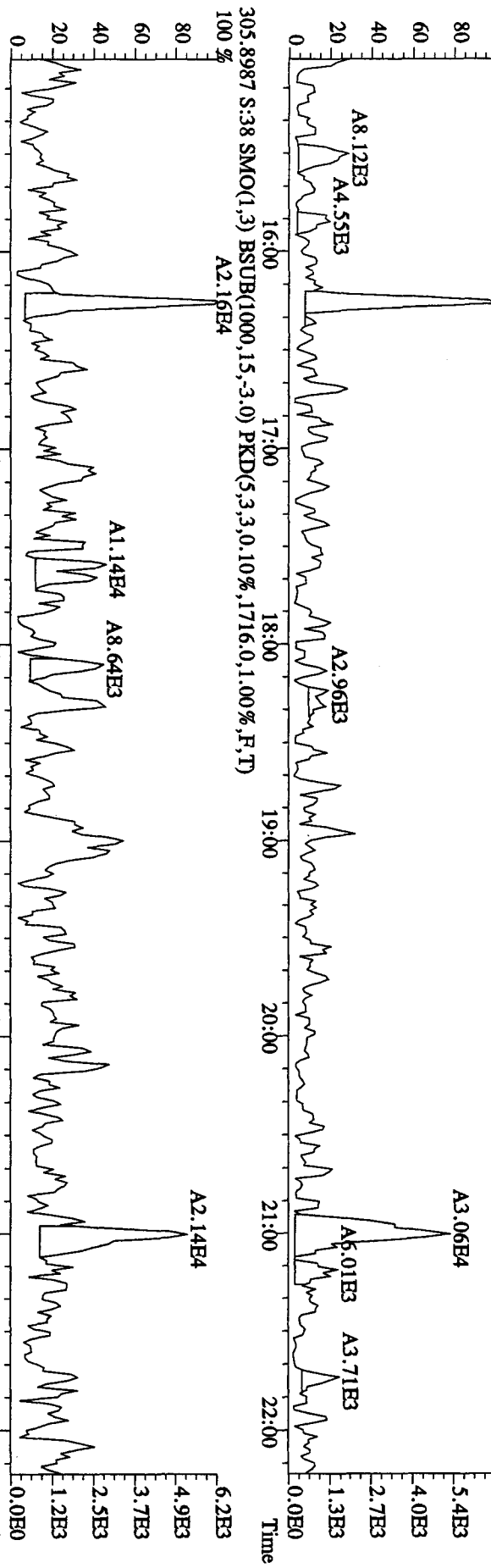
443.7399 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,984.0,1.00%,F,T)



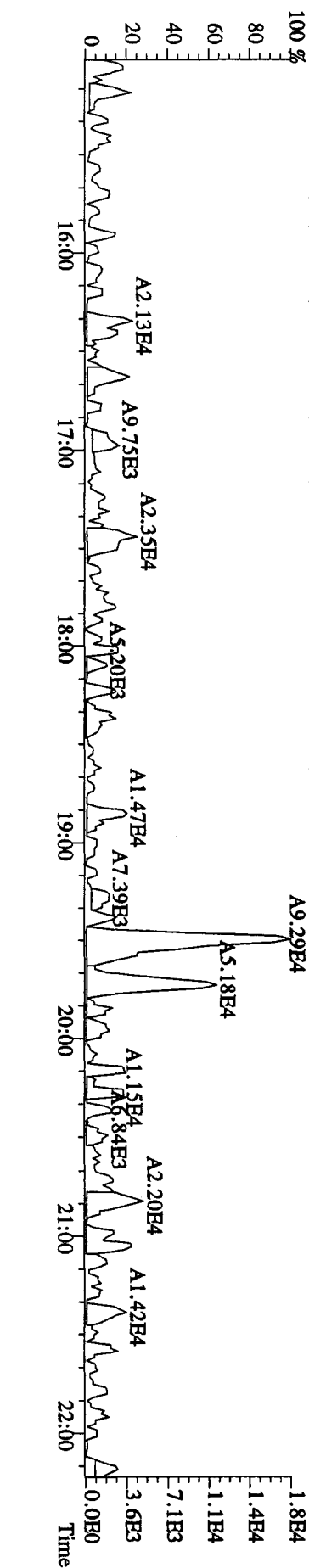
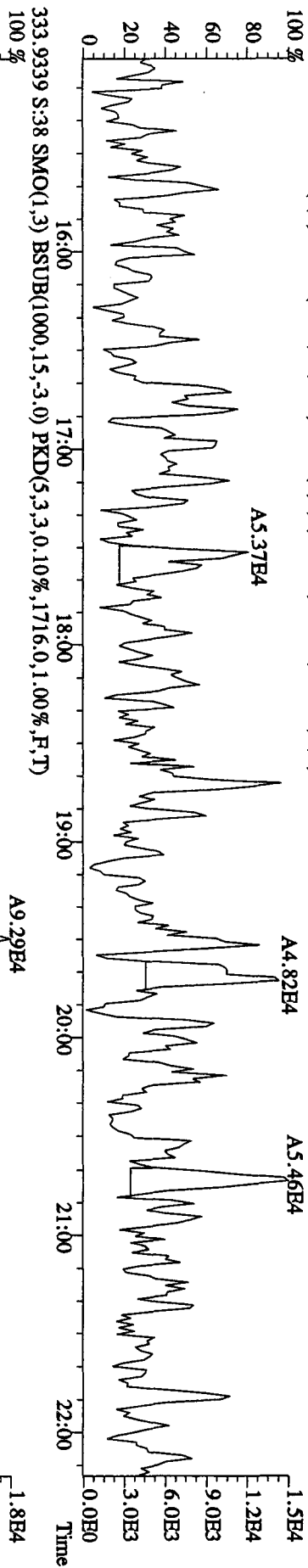
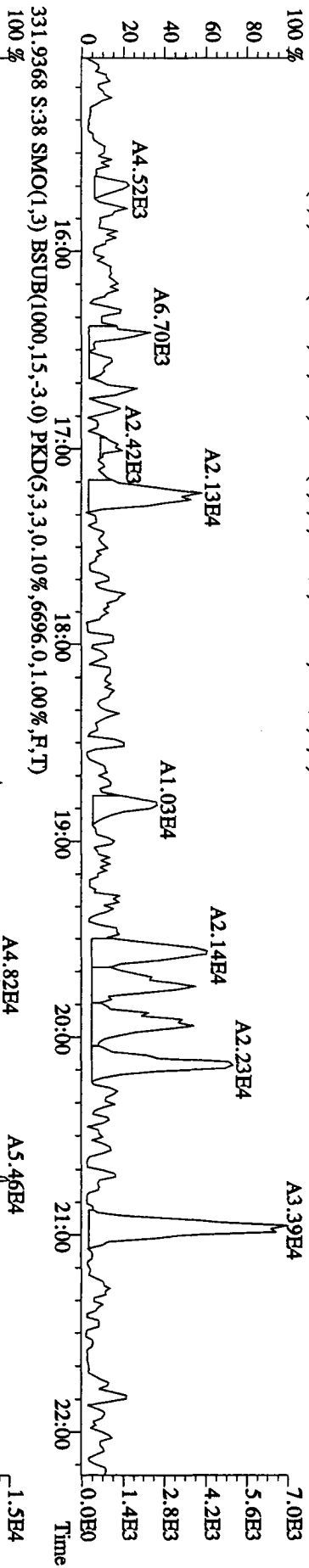
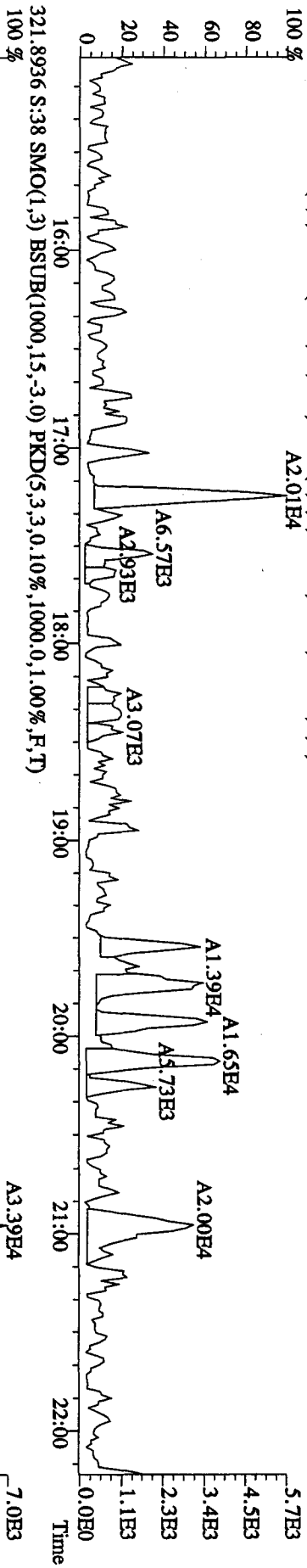
513.6775 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,224.0,1.00%,F,T)



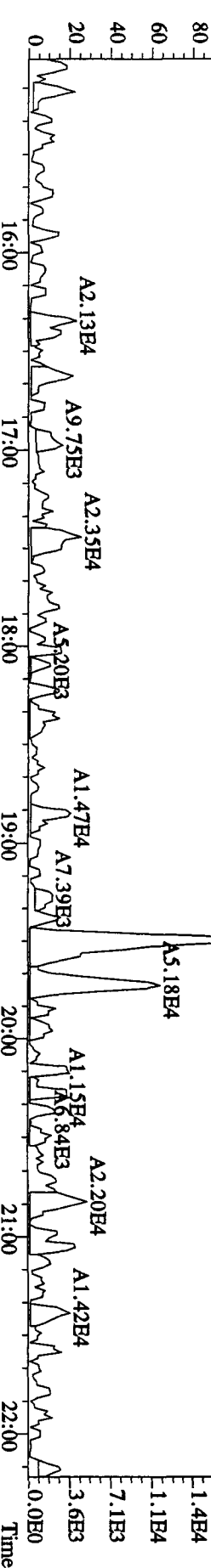
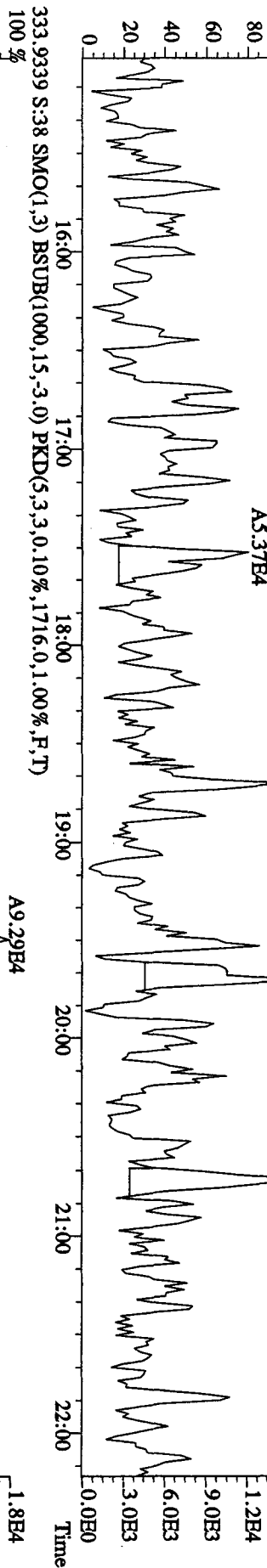
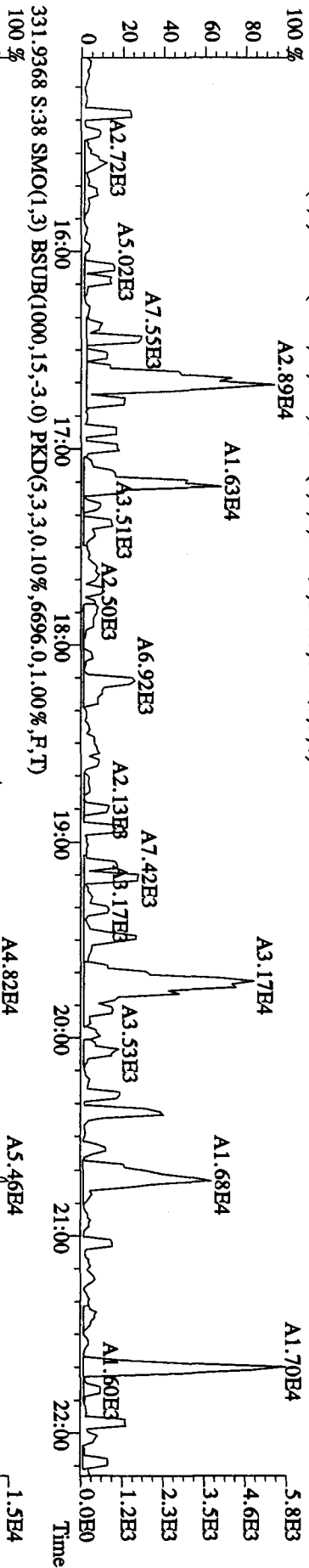
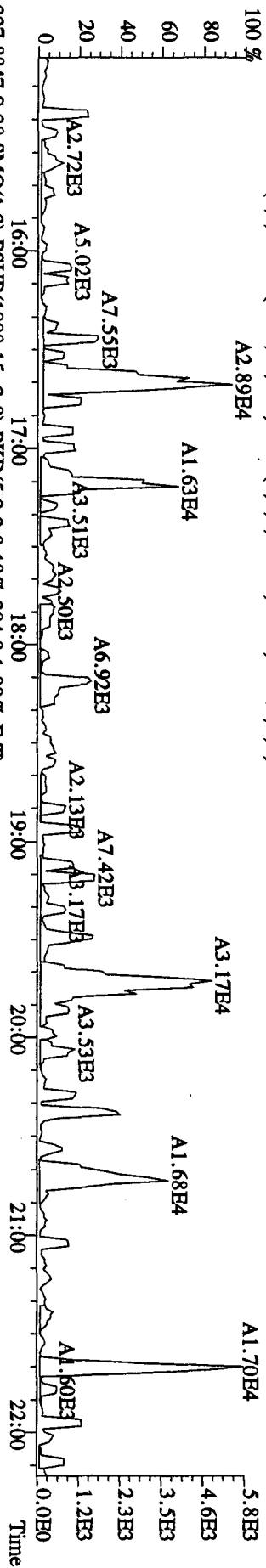
File:27AP104D5 #1-435 Acq:28-APR-2010 15:02:46 GC EI + Voltage SIR Autospec-UltimaE
 Sample#38 Text:SB0427D .Solvent Blank C-14 Exp:DIOXINRES8290A
 303.9016 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,892.0,1.00%,F,T)
 100 %



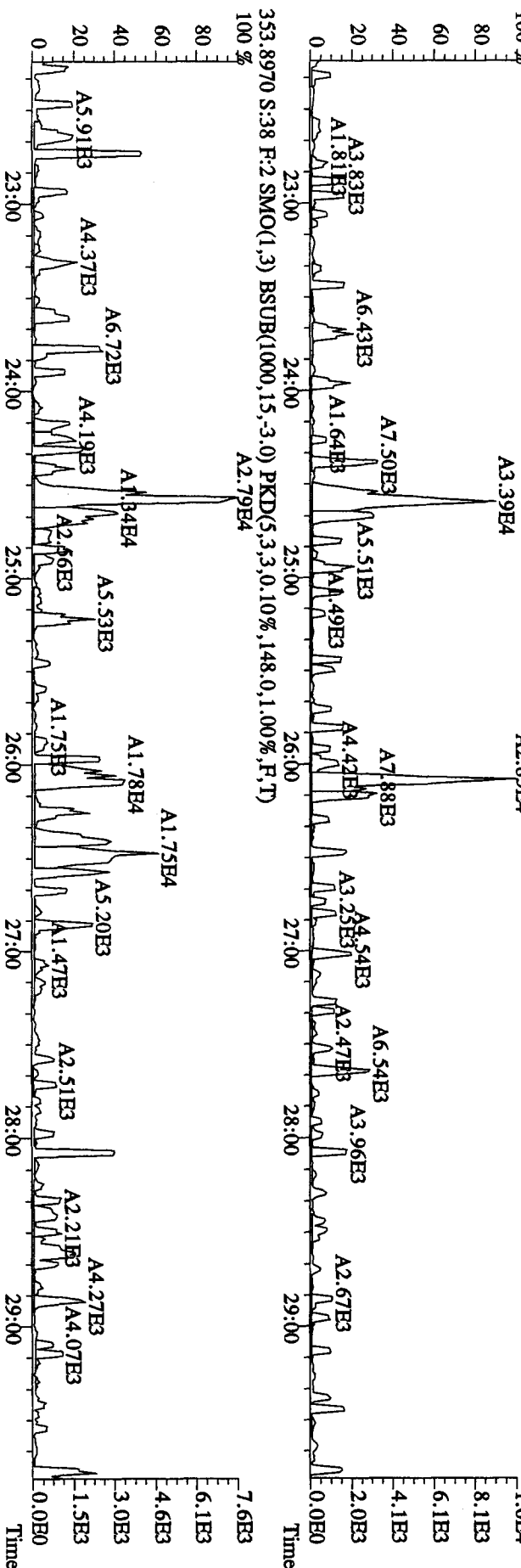
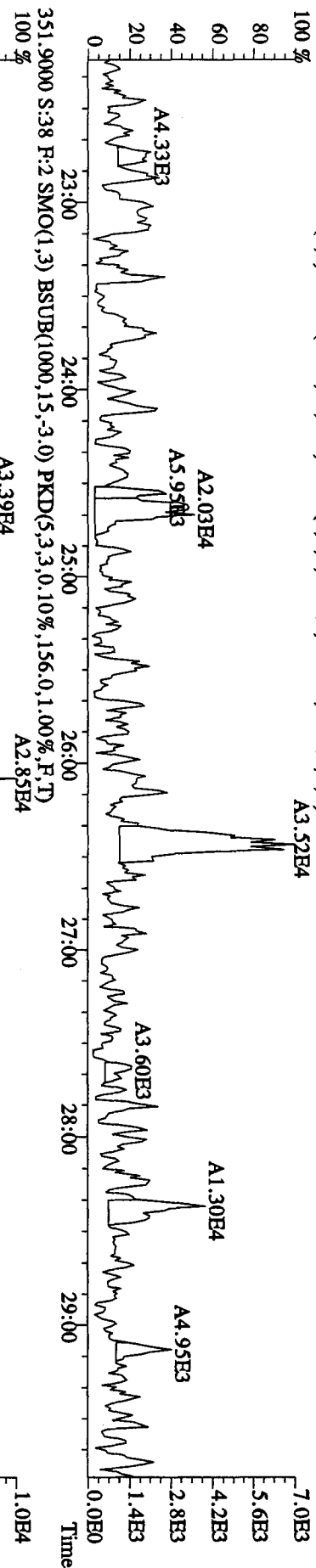
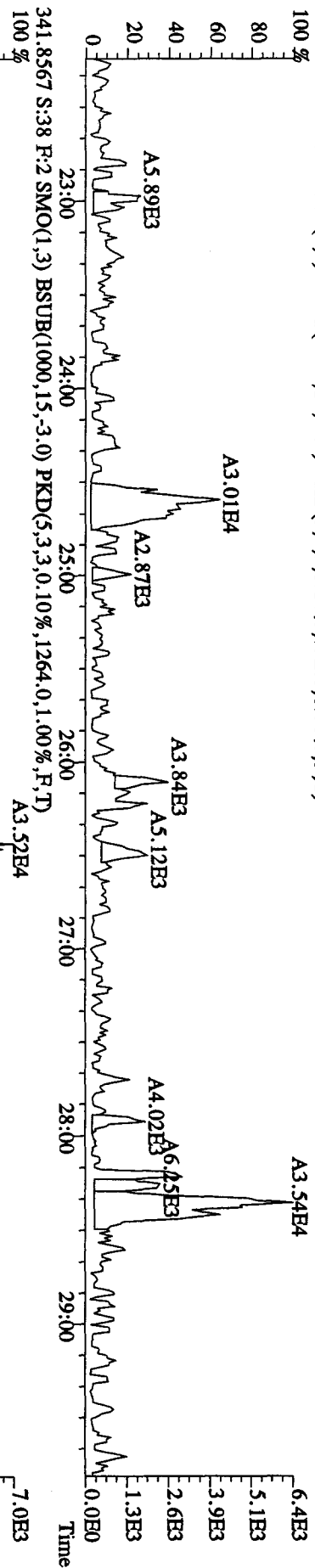
File: 27AP104D5 #1-435 Acq: 28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#38 Text: SB0427D :Solvent Blank C-14 Exp: DIOXINRES8290A
 319.8965 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,856.0,1.00%,F,T)
 100% A2.01E4



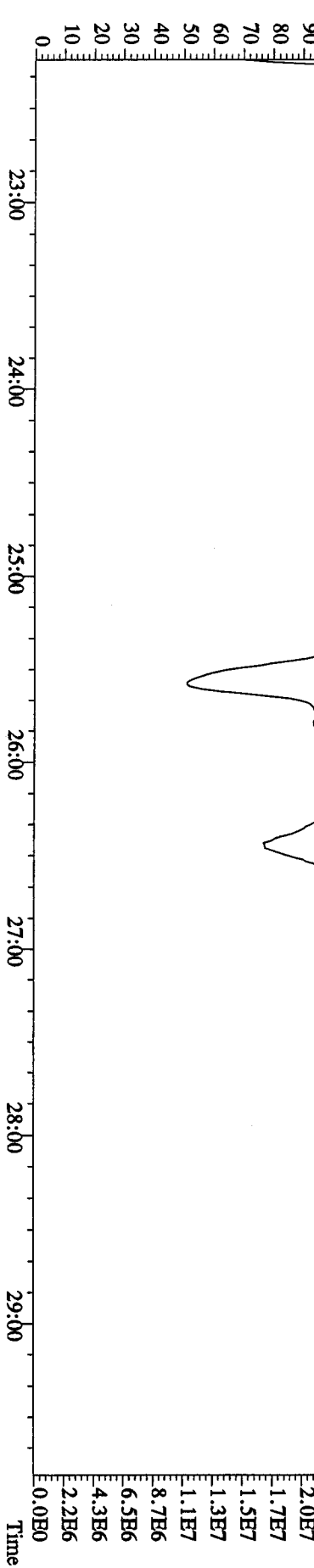
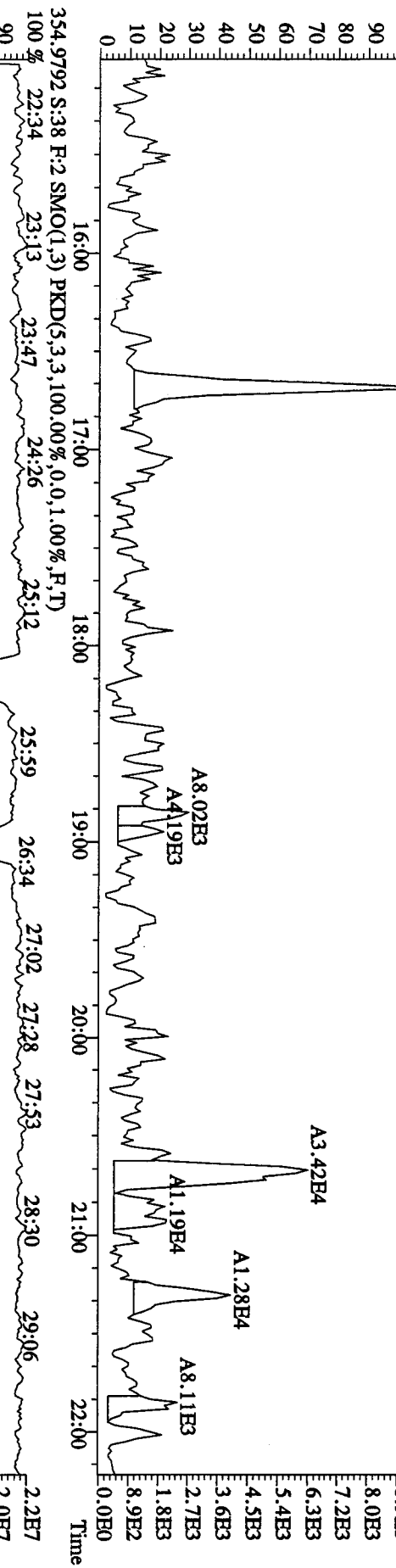
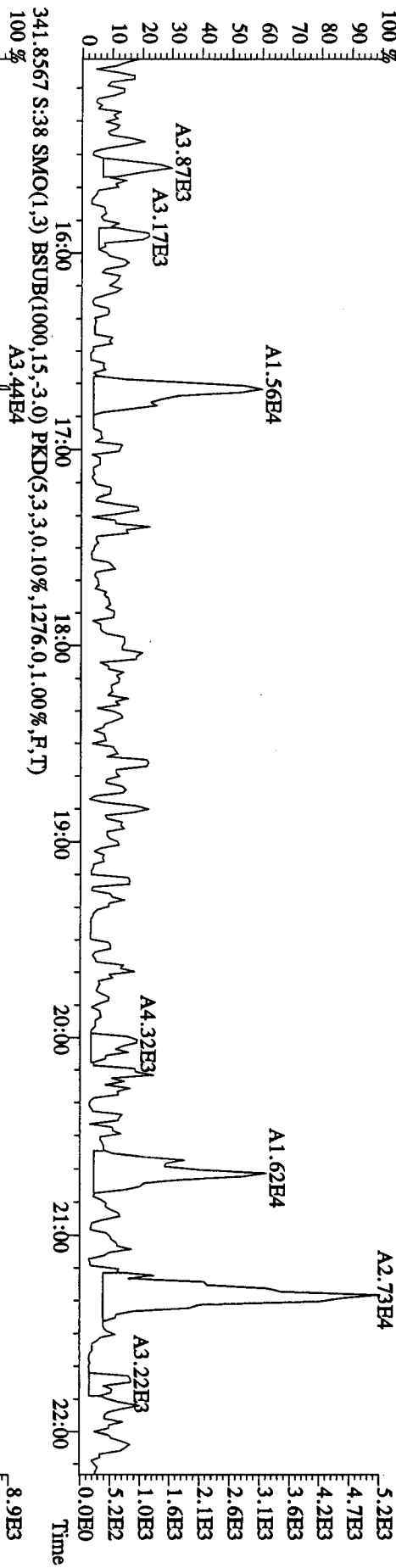
File:27AP104D5 #1-435 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A
 327.8847 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,204,0,1,00%,F,T)



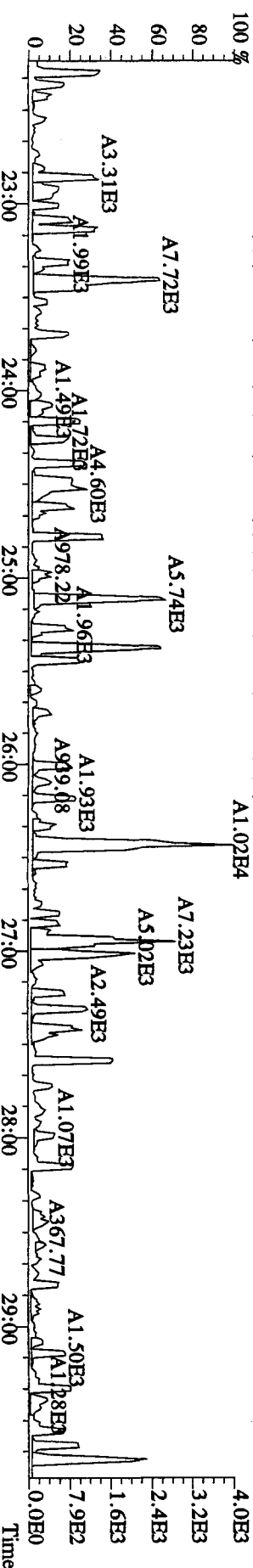
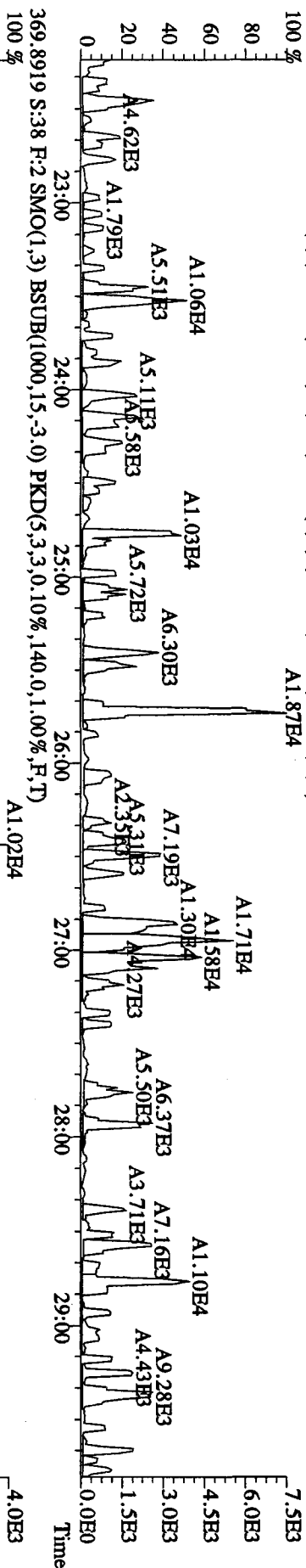
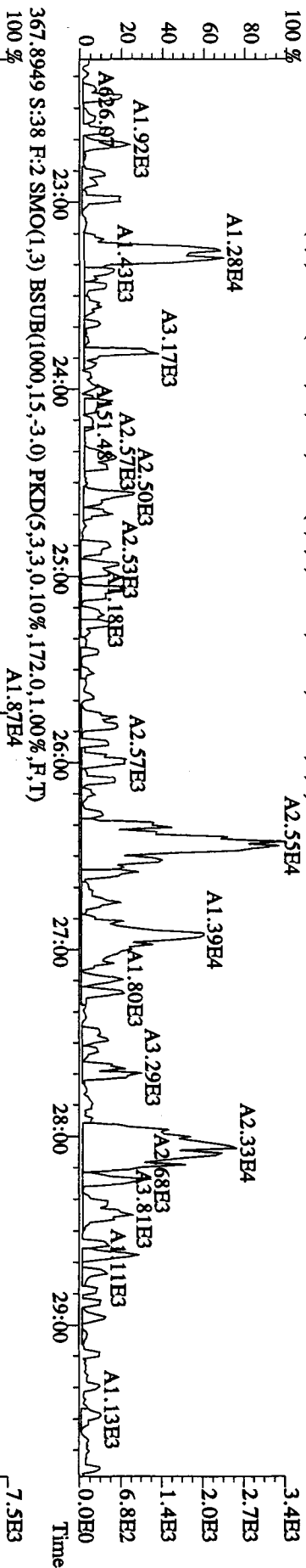
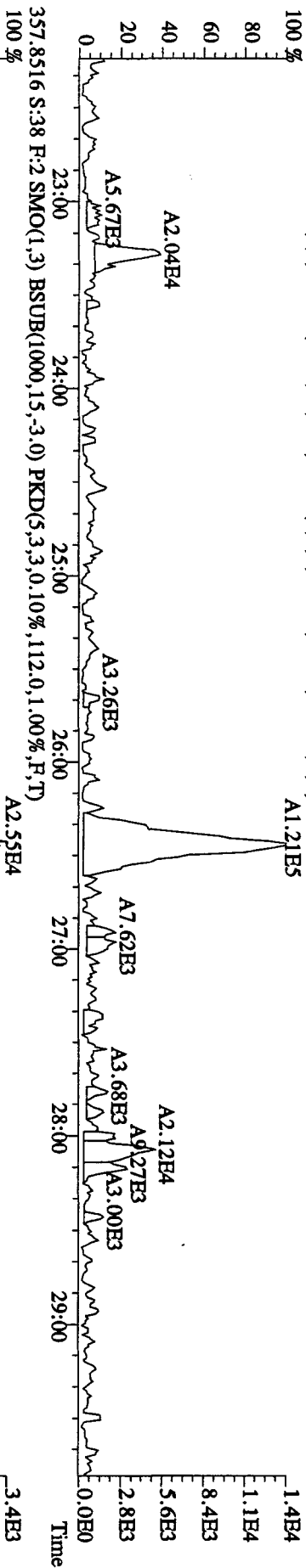
File:27API104D5 #1-604 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-Ultimate
Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A
339,8597 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



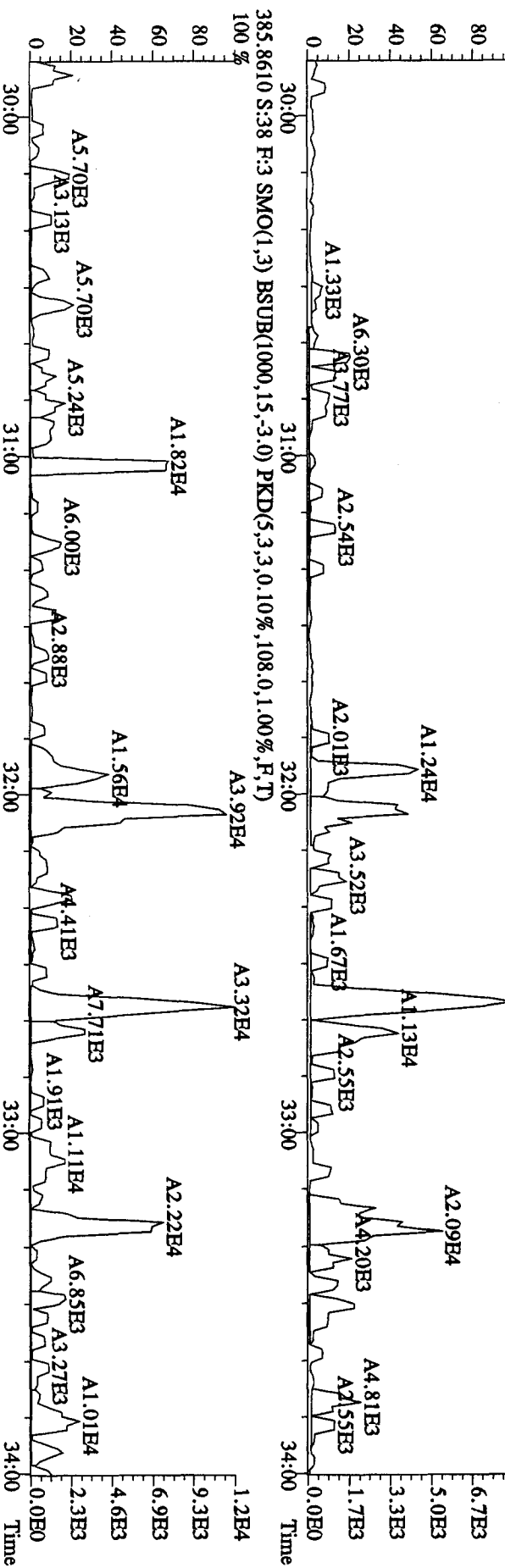
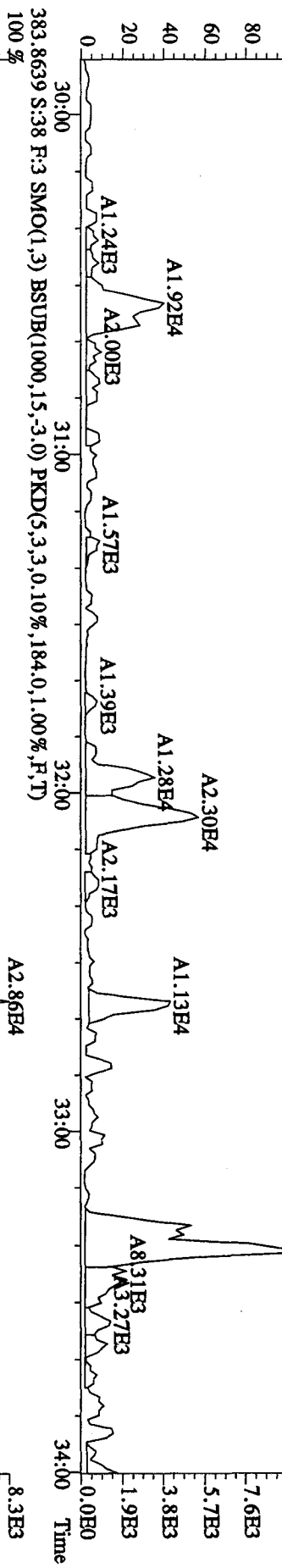
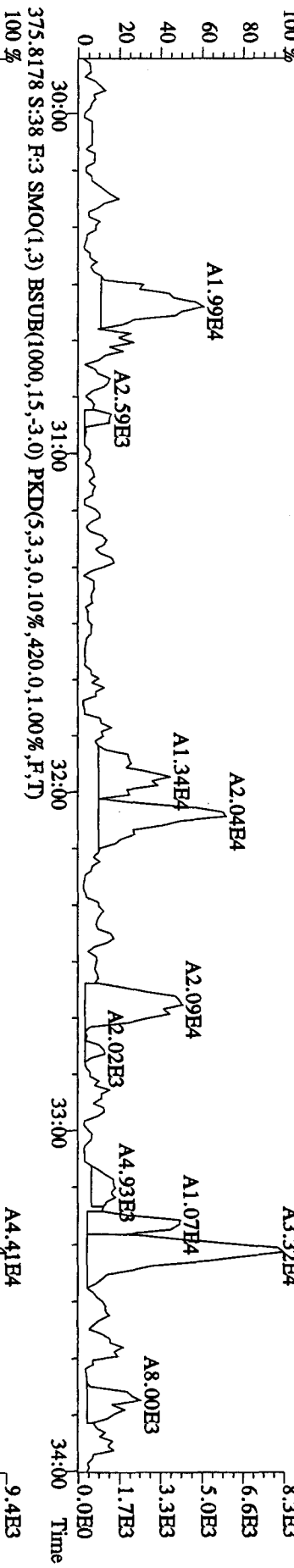
File:27AD104D5 #1-435 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp.:DIOXINRES8290A
 339,8597 S:38 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0.10%,672.0,1.00%,F,T)



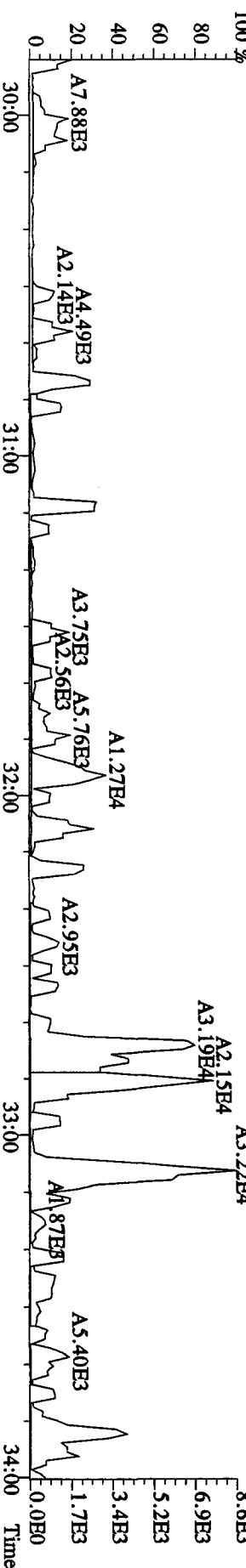
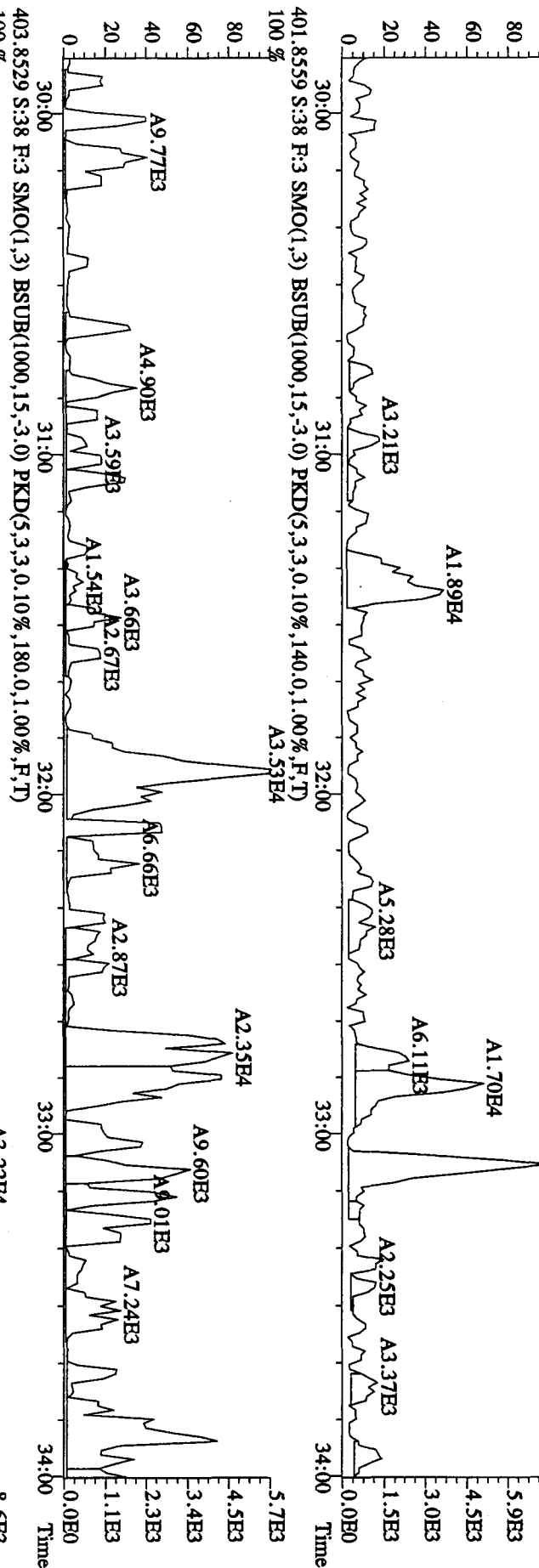
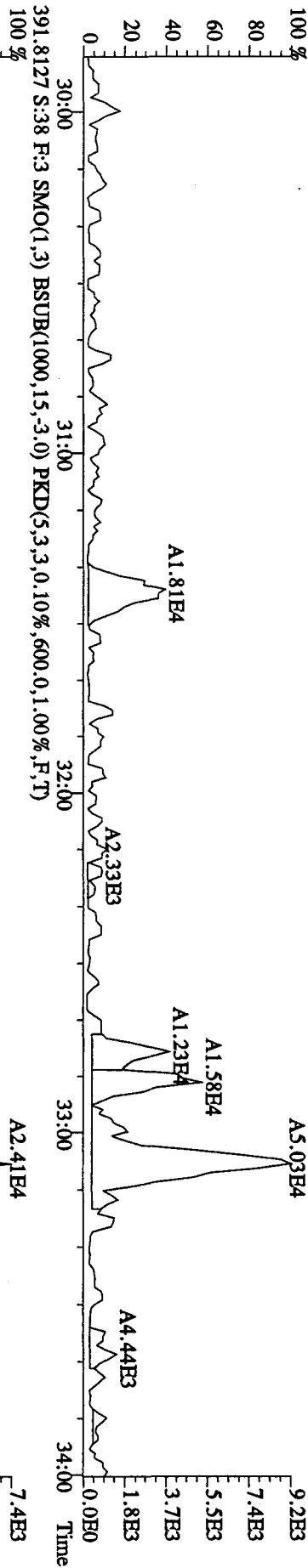
File:27AP104D5 #1-604 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A
 357.8546 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)



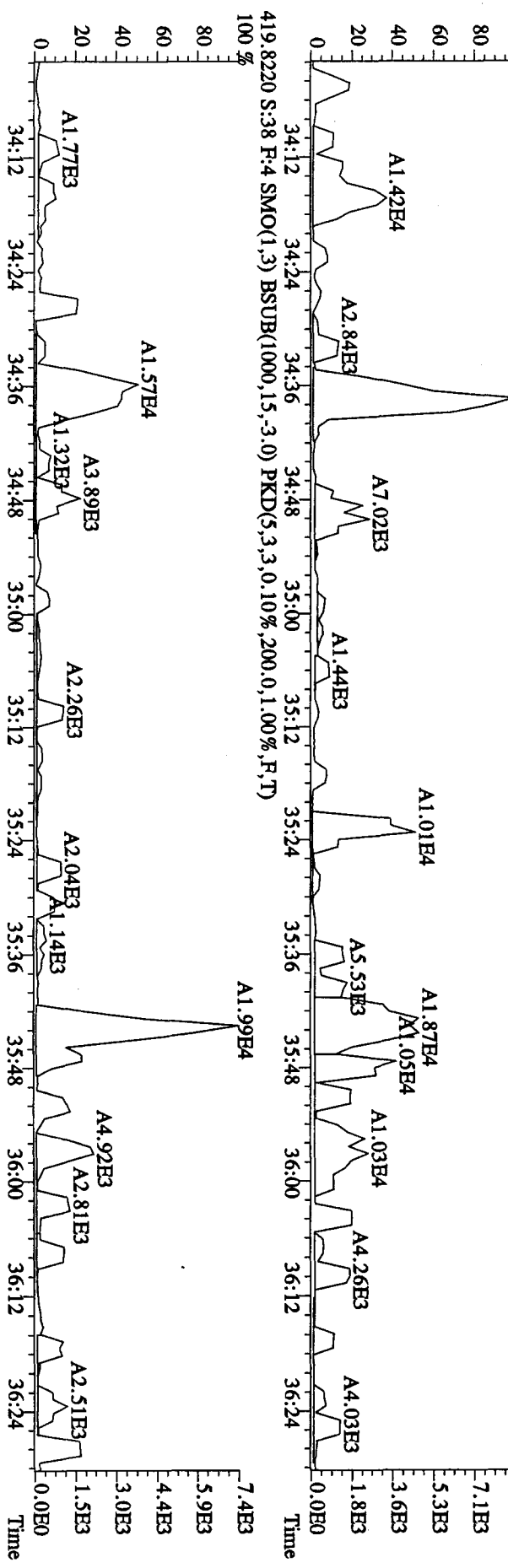
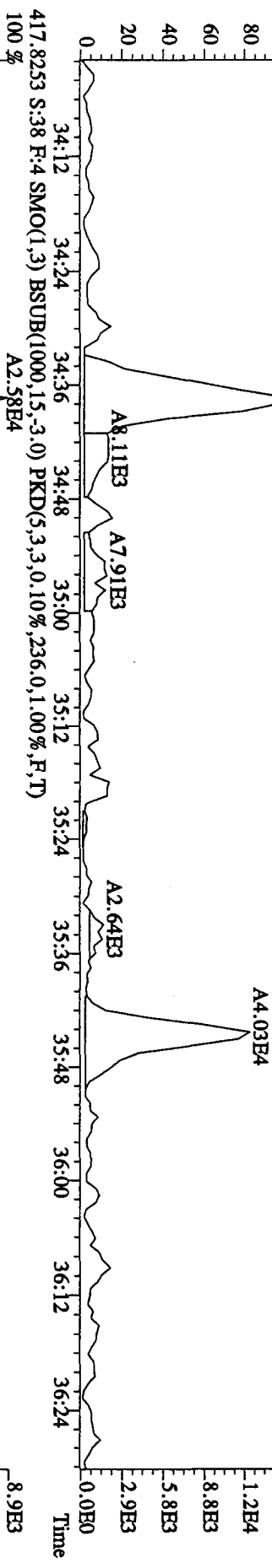
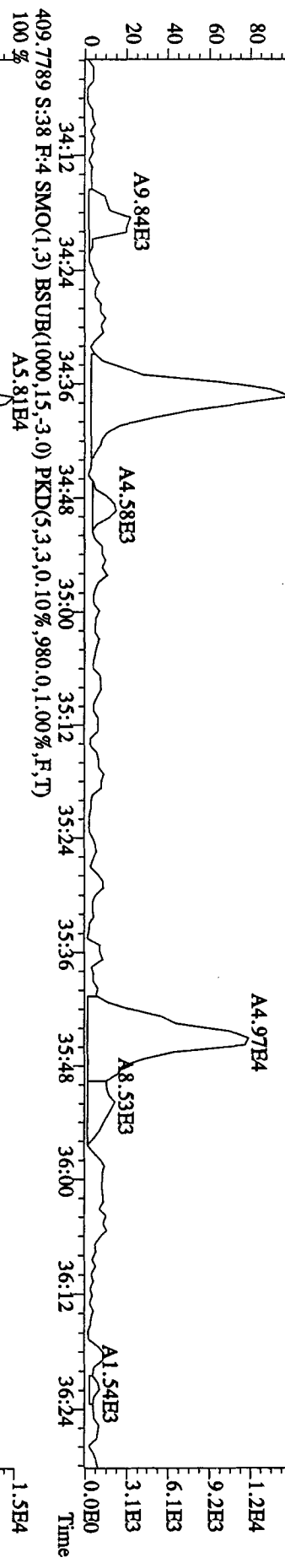
File:27AP104D5 #1-316 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp.:DIOXINRES8290A
 373.8208 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)



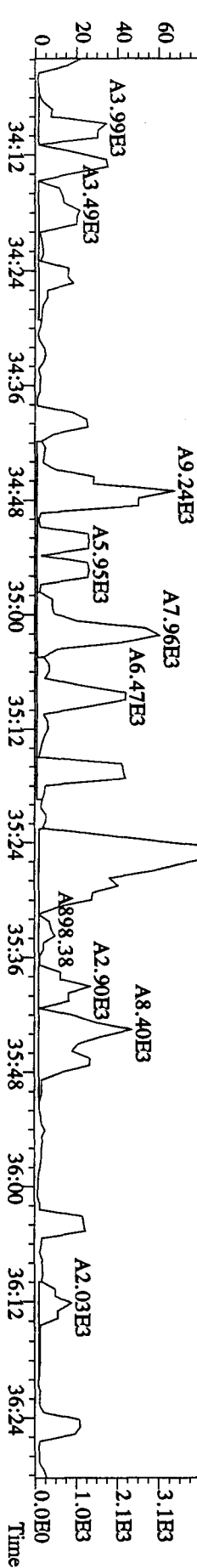
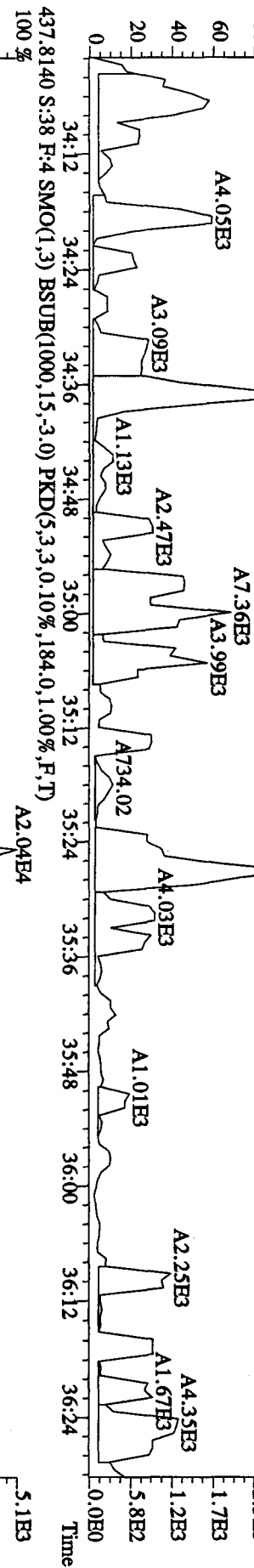
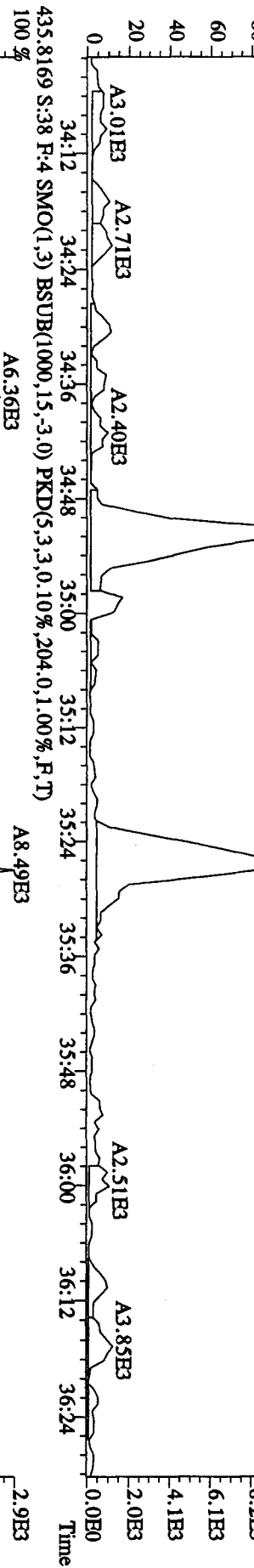
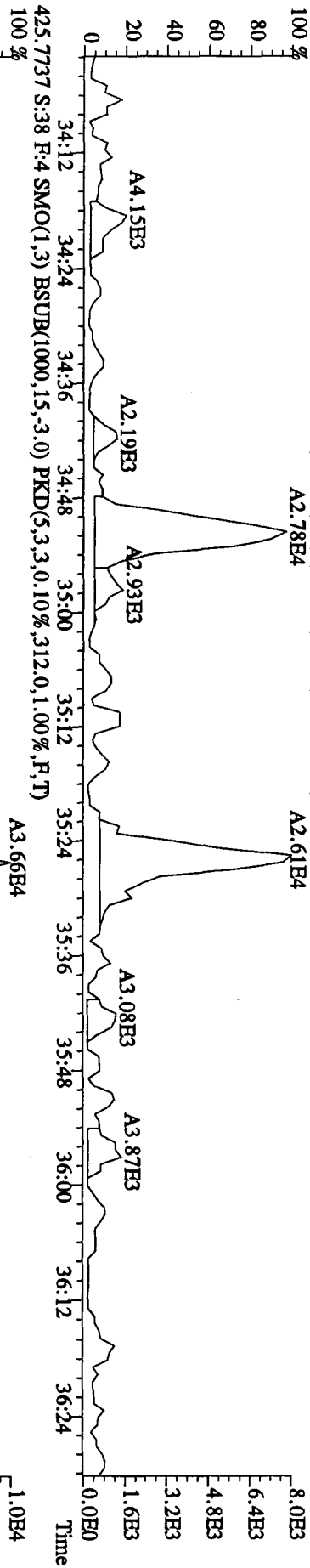
File:27AP104D5 #1-316 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-Ultimah
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A
 389.8157 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,684.0,1.00%,F,T)



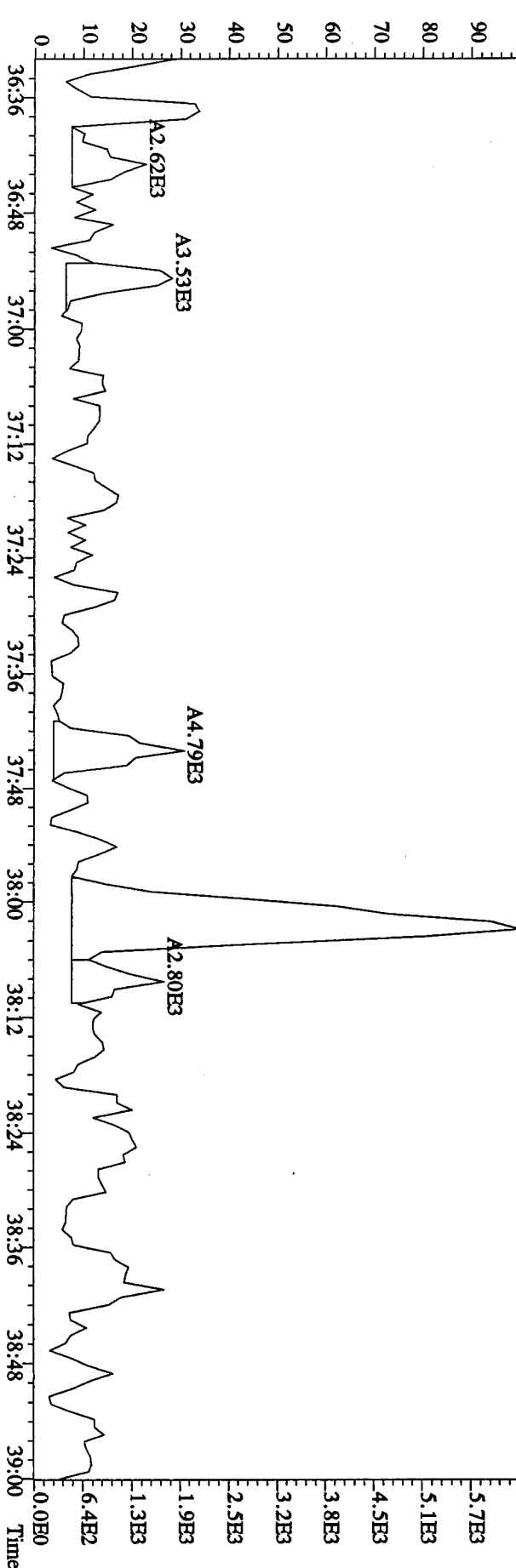
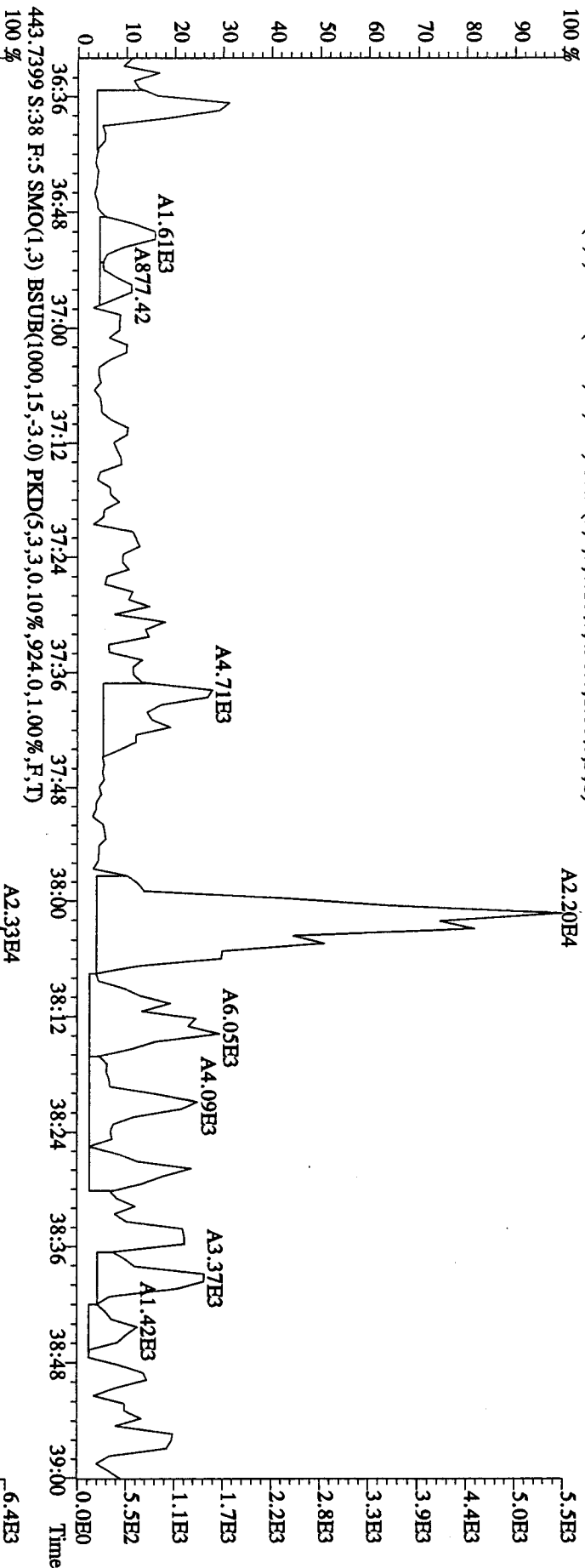
File: 27AP104D5 #1-198 Acq: 28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#38 Text: SB0427D :Solvent Blank C-14 Exp: DIOXINRES8290A
 407.7818 S:38 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,976.0,1.00%,F,T)
 100%



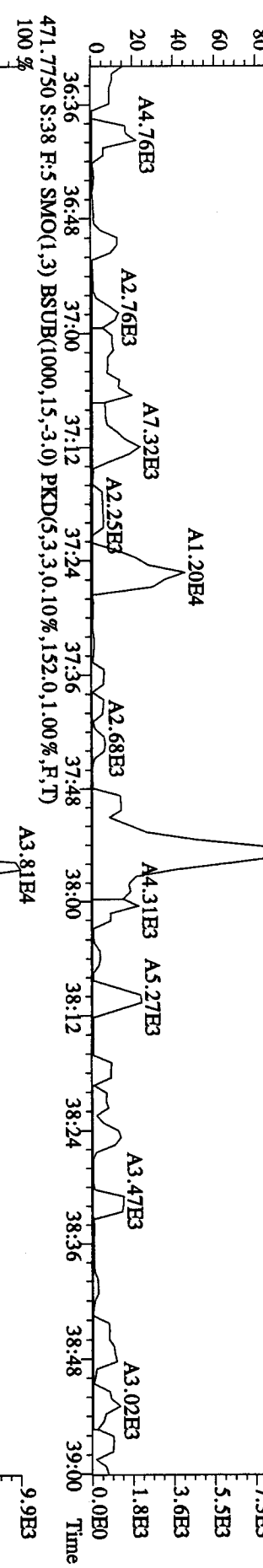
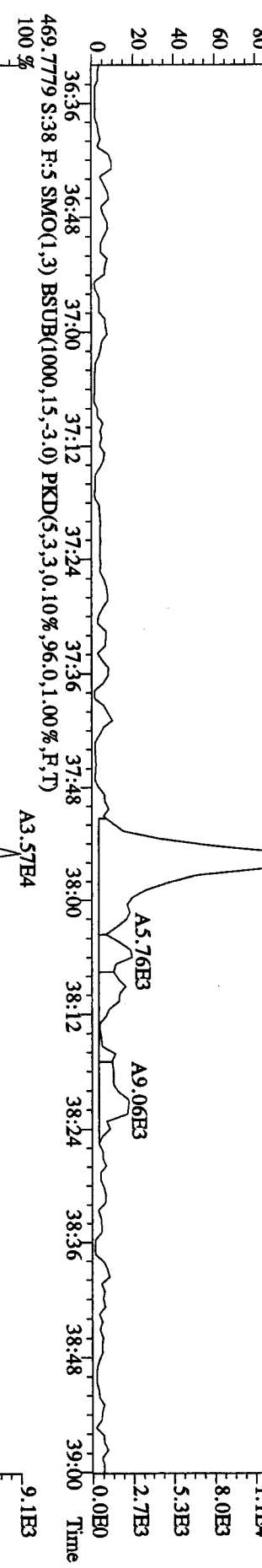
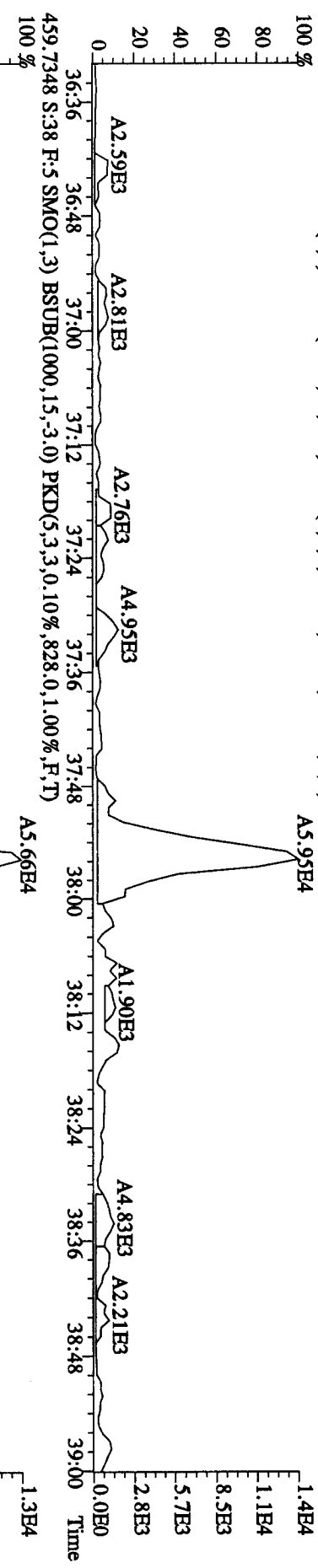
File:27AP104D5 #1-198 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A
 423.7766 S:38 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,740.0,1.00%,F,T)
 A2.78E4



File: 27AP104D5 #1-190 Acq: 28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#38 Text: SB0427D : Solvent Blank C-14 Exp: DIOXINRES8290A
 441.7428 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,496.0,1.00%,F,T)
 100%



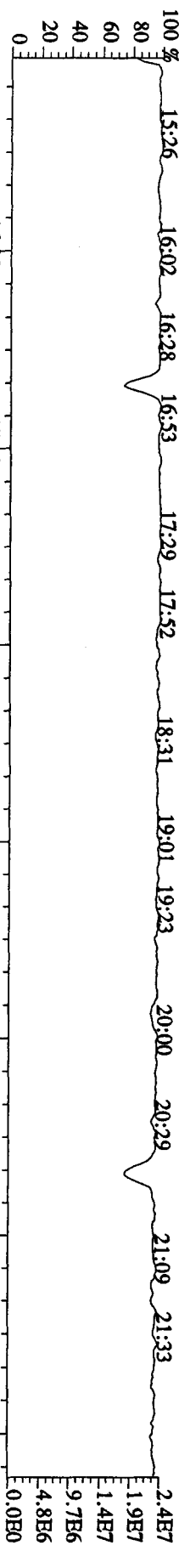
File:27API04D5 #1-190 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A
 457.7377 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,728.0,1.00%,F,T)



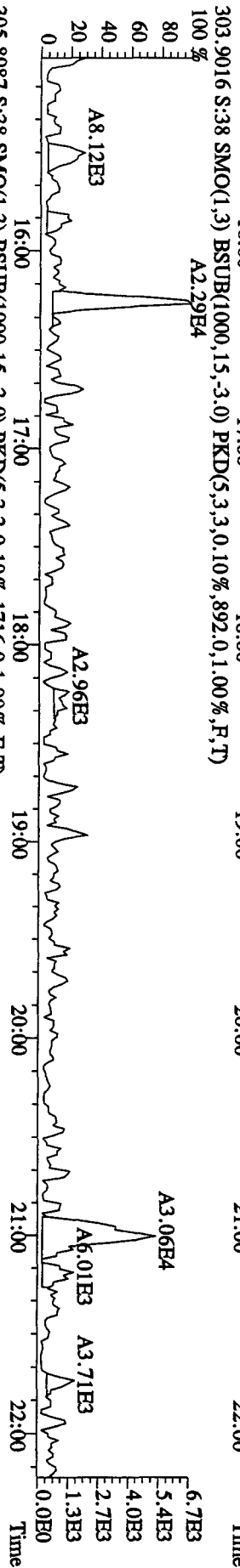
File: 27AP104D5 #1-435 Acq: 28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE

Sample#38 Text: SB0427D :Solvent Blank C-14 Exp: DIOXINRES8290A

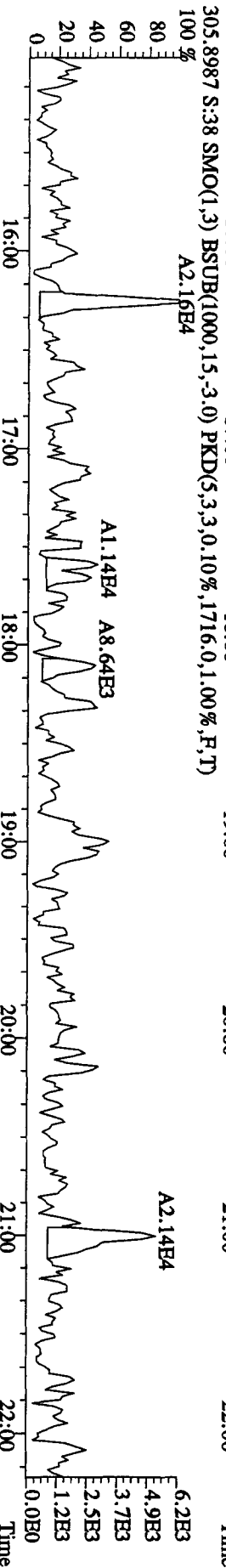
354.9792 S:38 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



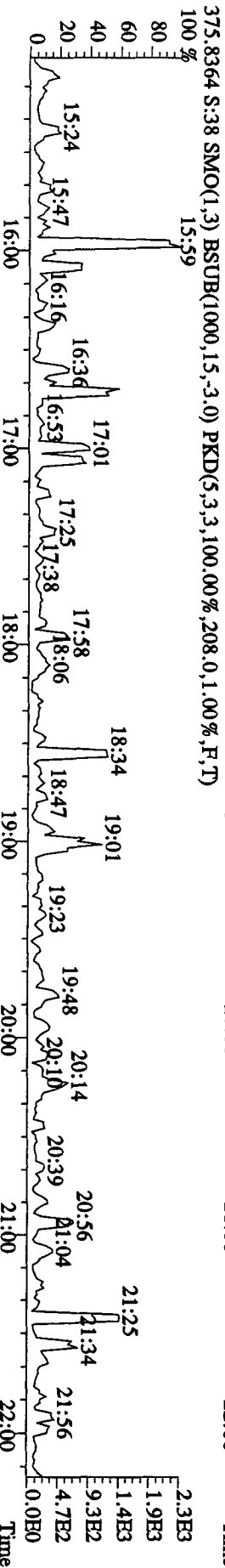
303.9016 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,892.0,1.00%,F,T)



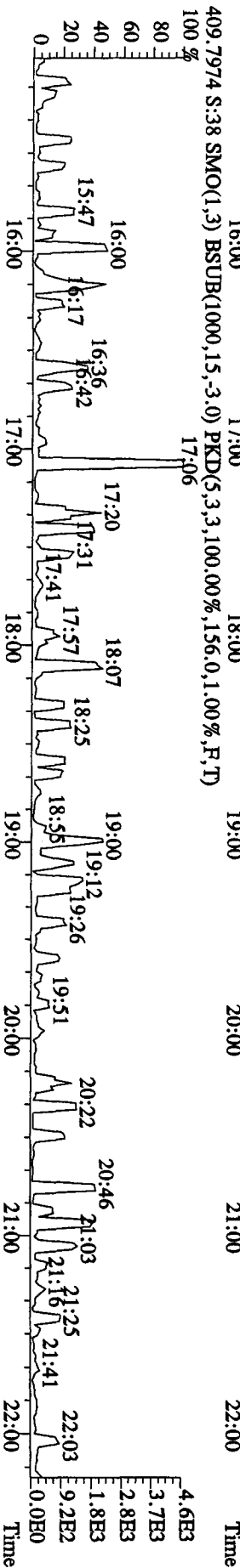
305.8987 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1716.0,1.00%,F,T)



375.8364 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,208.0,1.00%,F,T)



409.7974 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,156.0,1.00%,F,T)

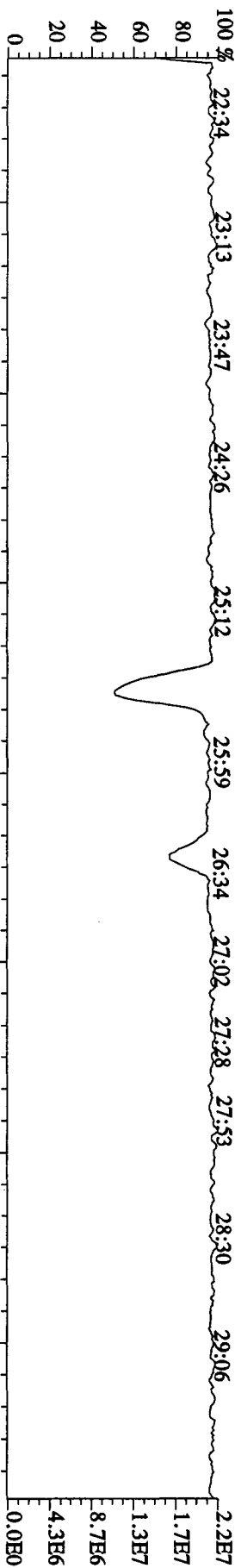


File:27AP104D5 #1-604 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE

Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A

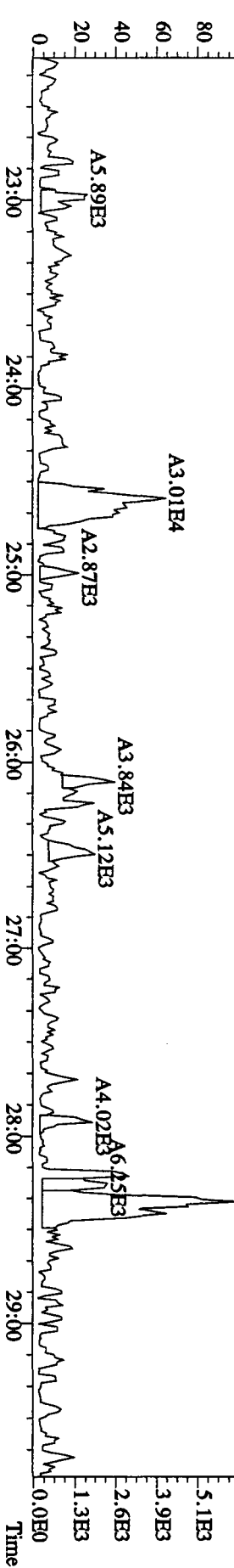
354.9792 S:38 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100%



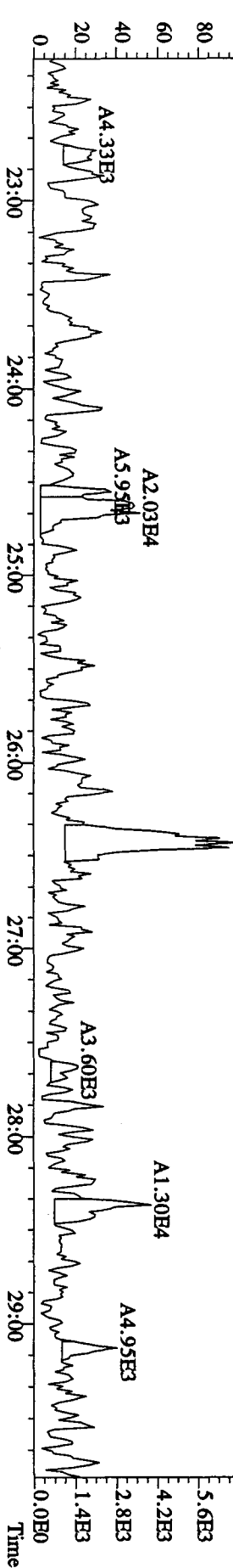
339.8597 S:38 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,732.0,1.00%,F,T)

100%



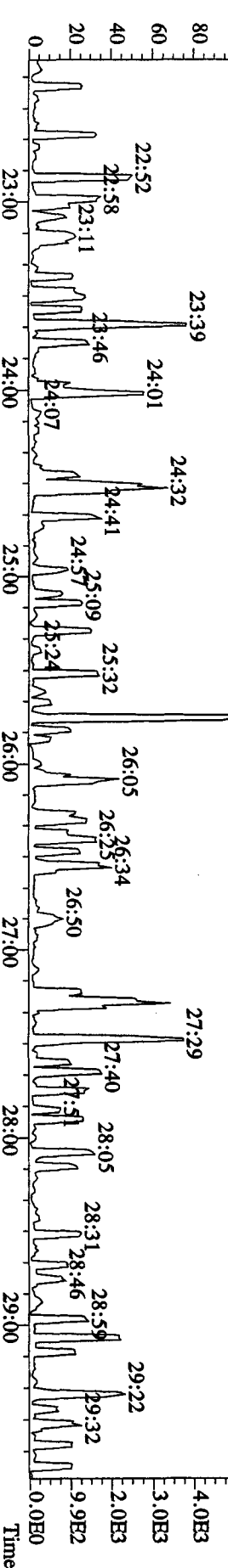
341.8567 S:38 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,1264.0,1.00%,F,T)

100%

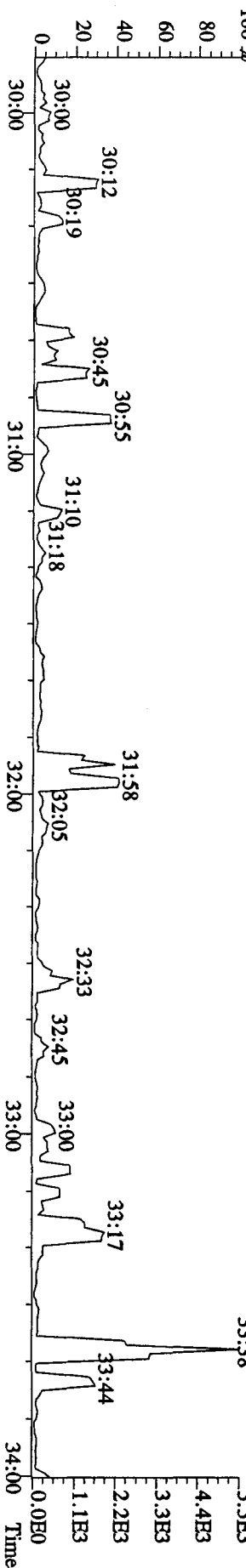
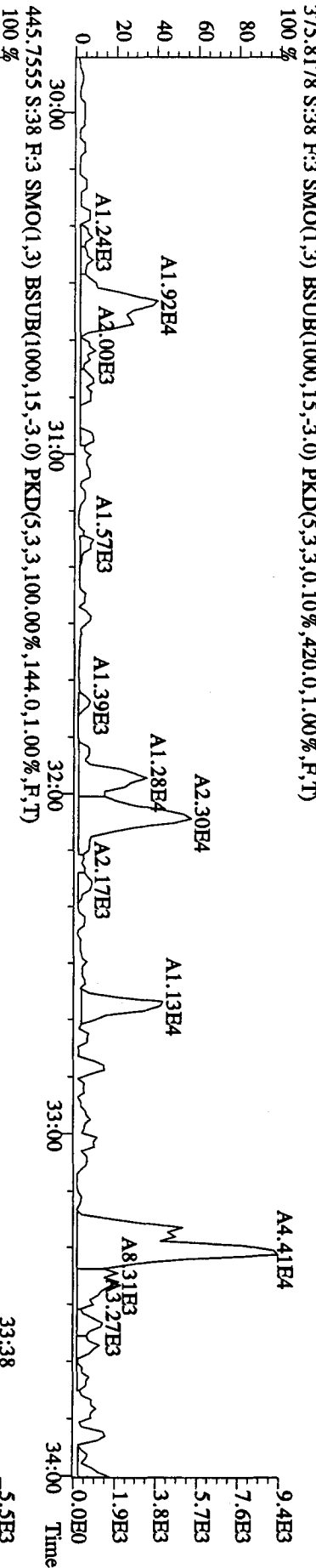
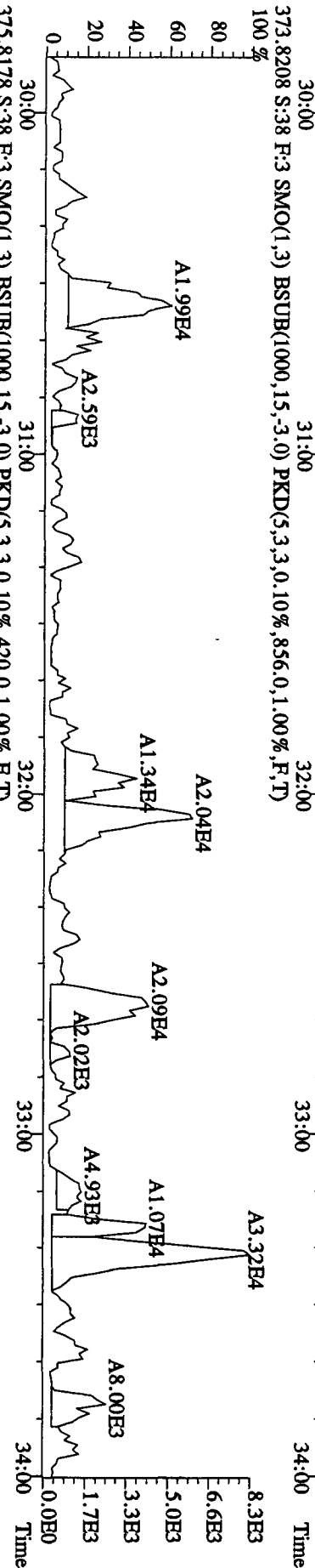
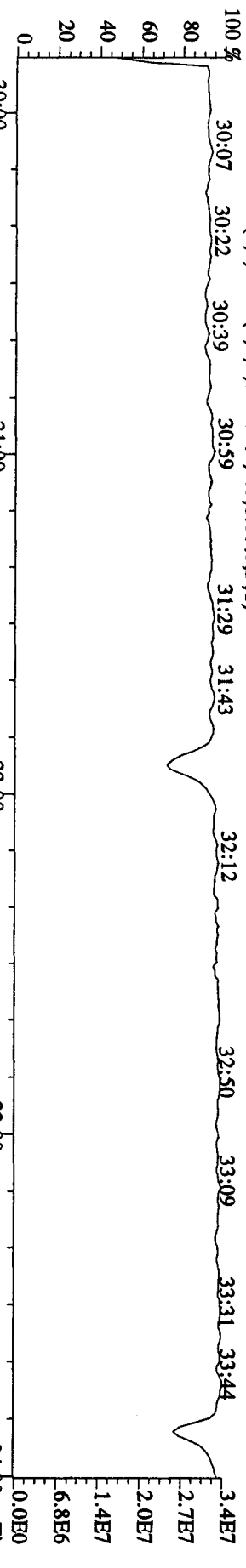


409.7974 S:38 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,160.0,1.00%,F,T)

100%

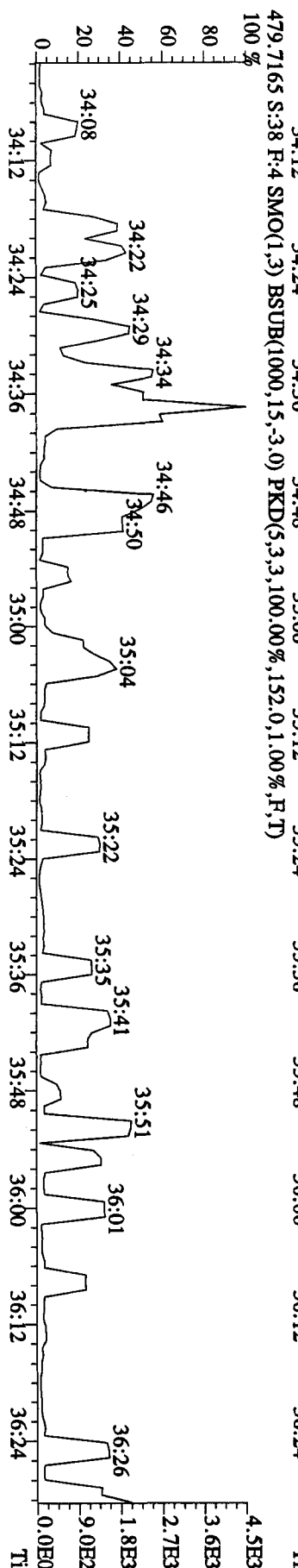
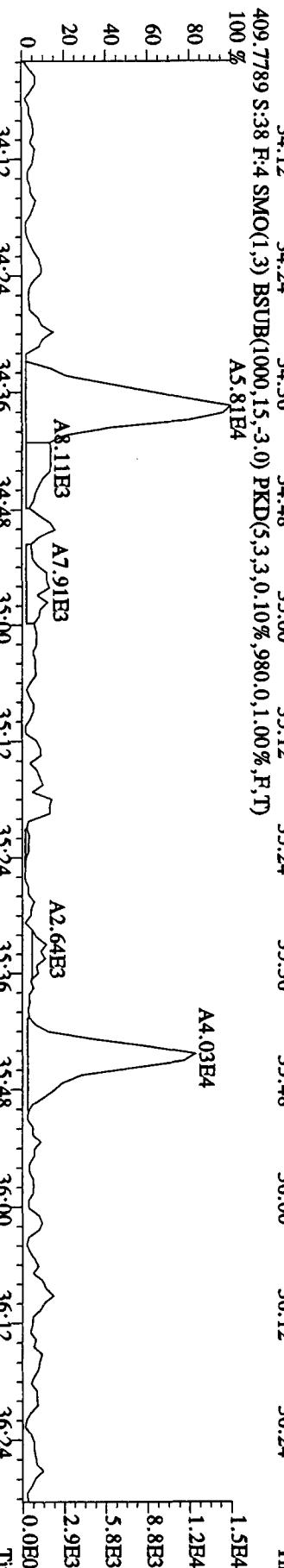
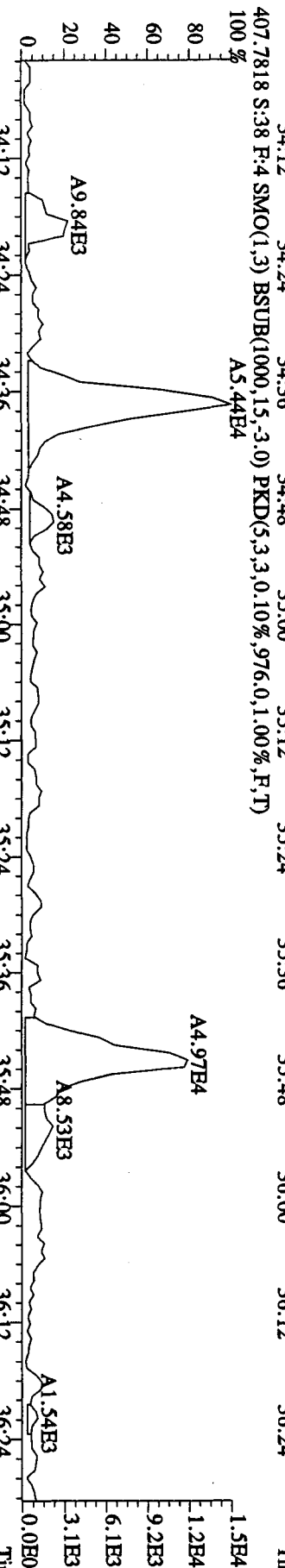
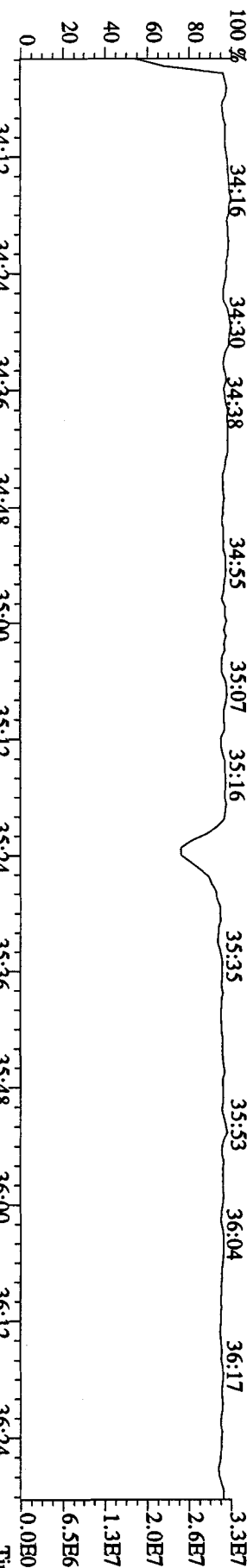


File: 27AP104D5 #1-316 Acq: 28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#38 Text: SB0427D :Solvent Blank C-14 Exp: DIOXINRES8290A

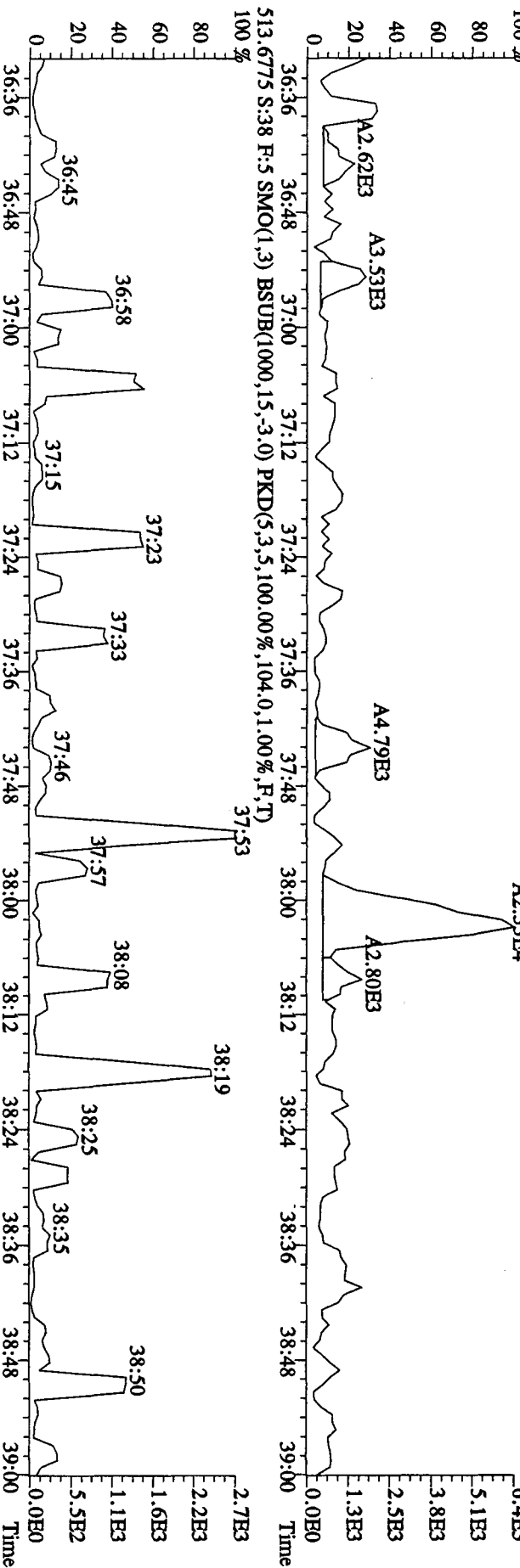
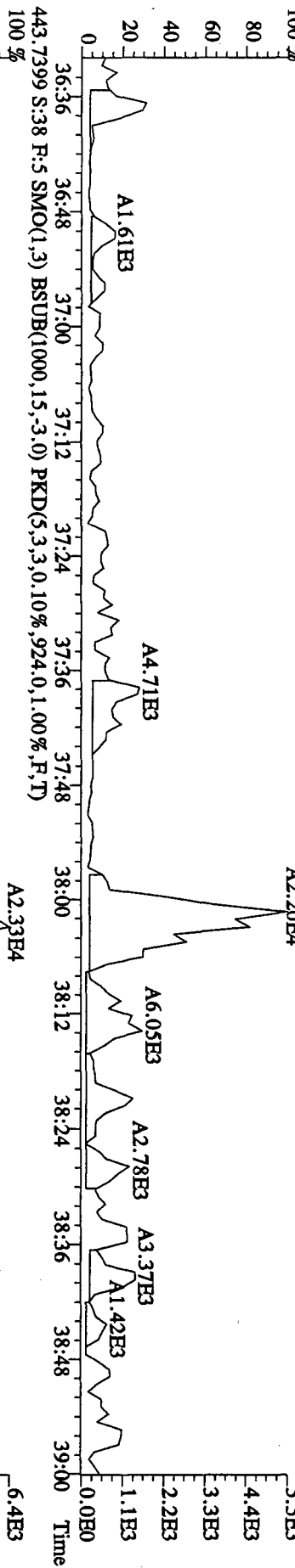
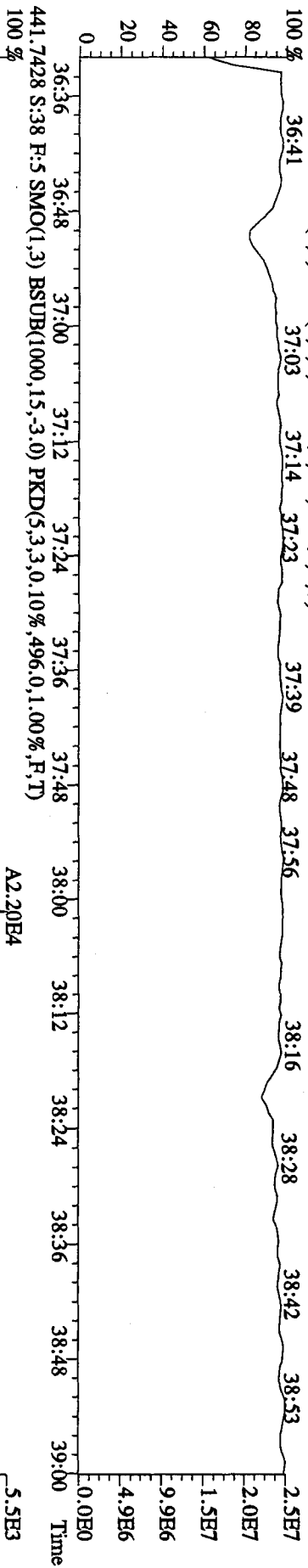


File: 27AP104D5 #1-198 Acq: 28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-UltimaE

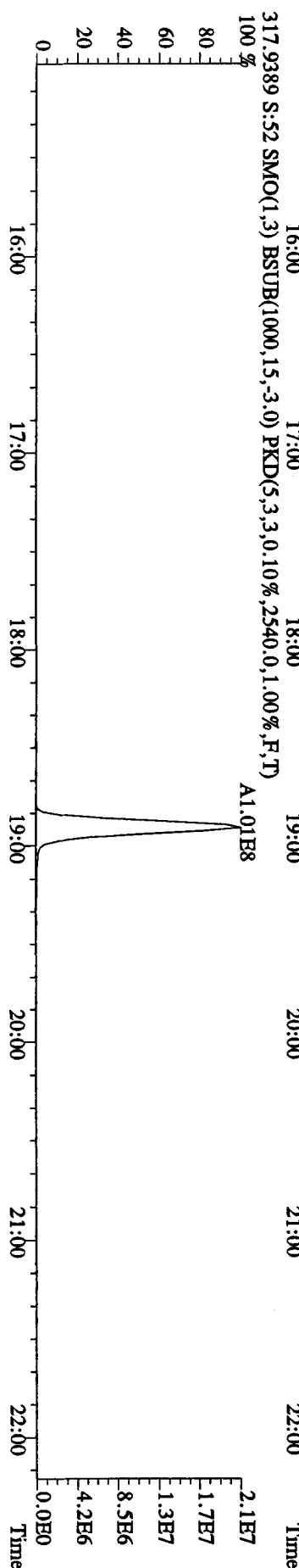
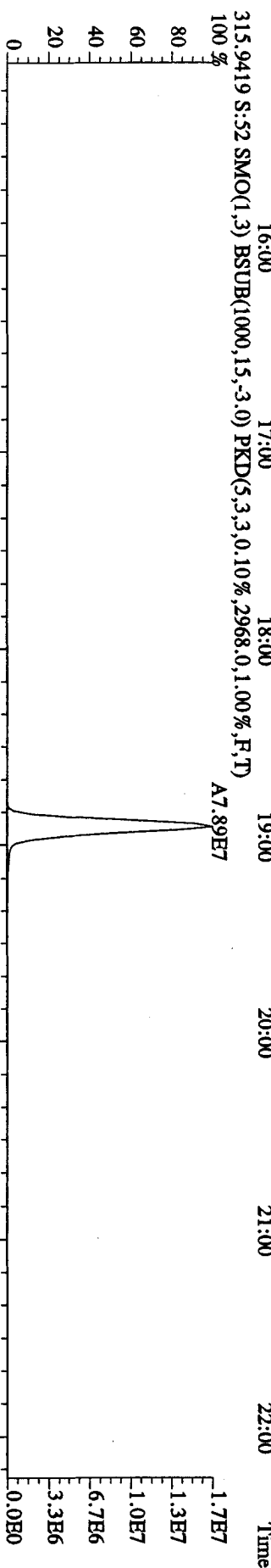
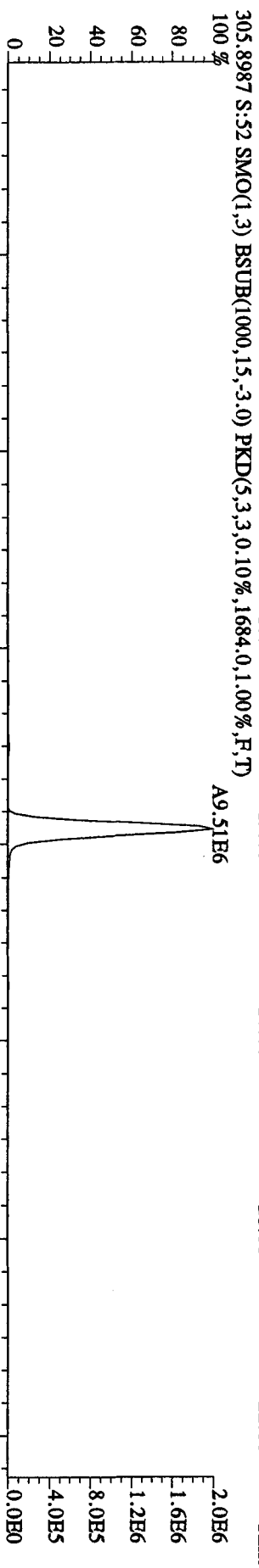
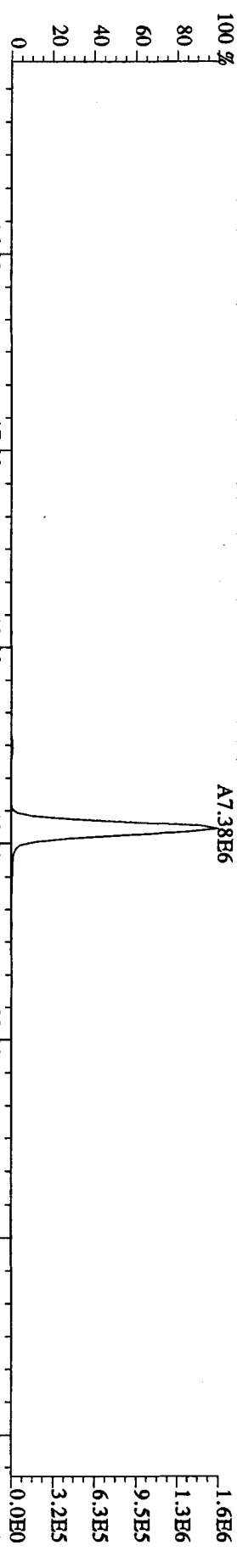
Sample#38 Text: SB0427D : Solvent Blank C-14 Exp: DIOXINRES8290A



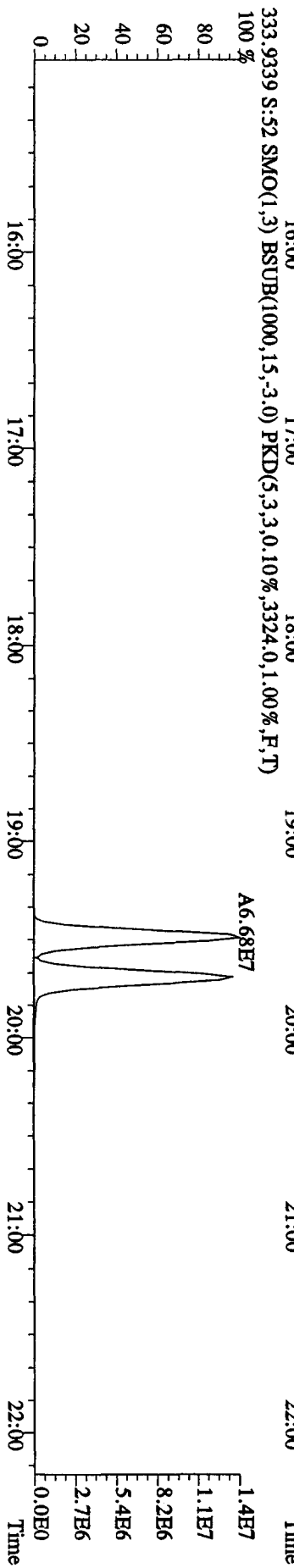
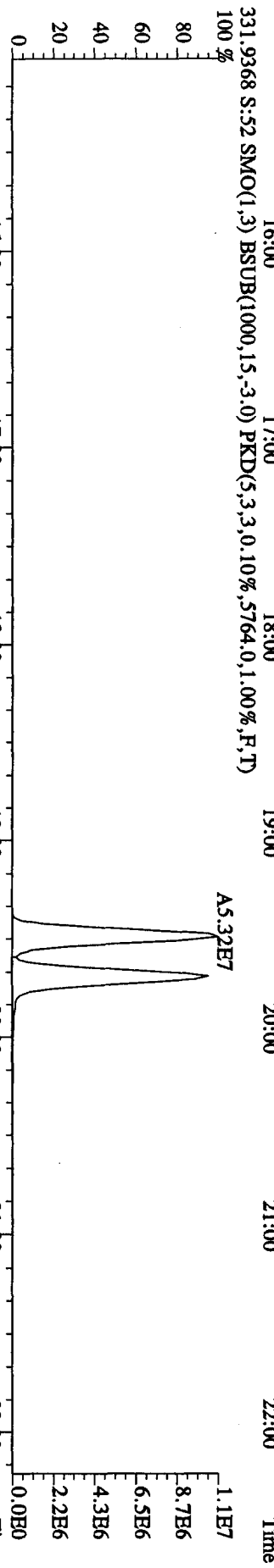
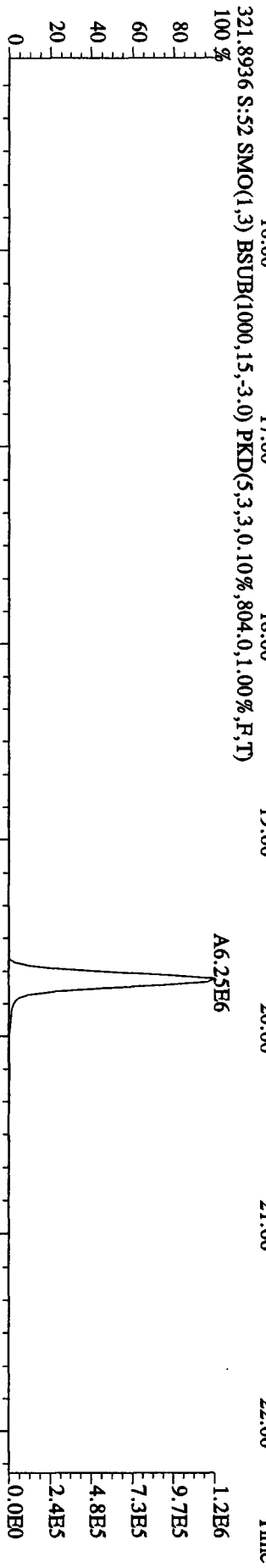
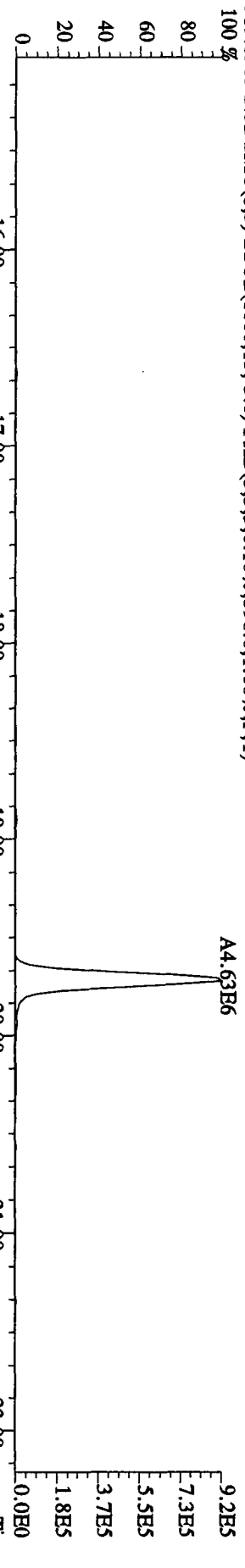
File:27AP104D5 #1-190 Acq:28-APR-2010 15:02:46 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#38 Text:SB0427D :Solvent Blank C-14 Exp:DIOXINRES8290A
 442.9728 S:38 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 441.7428 S:38 F:5 SMO(1,3) PKD(5,3,3,0.10%,496.0,1.00%,F,T)



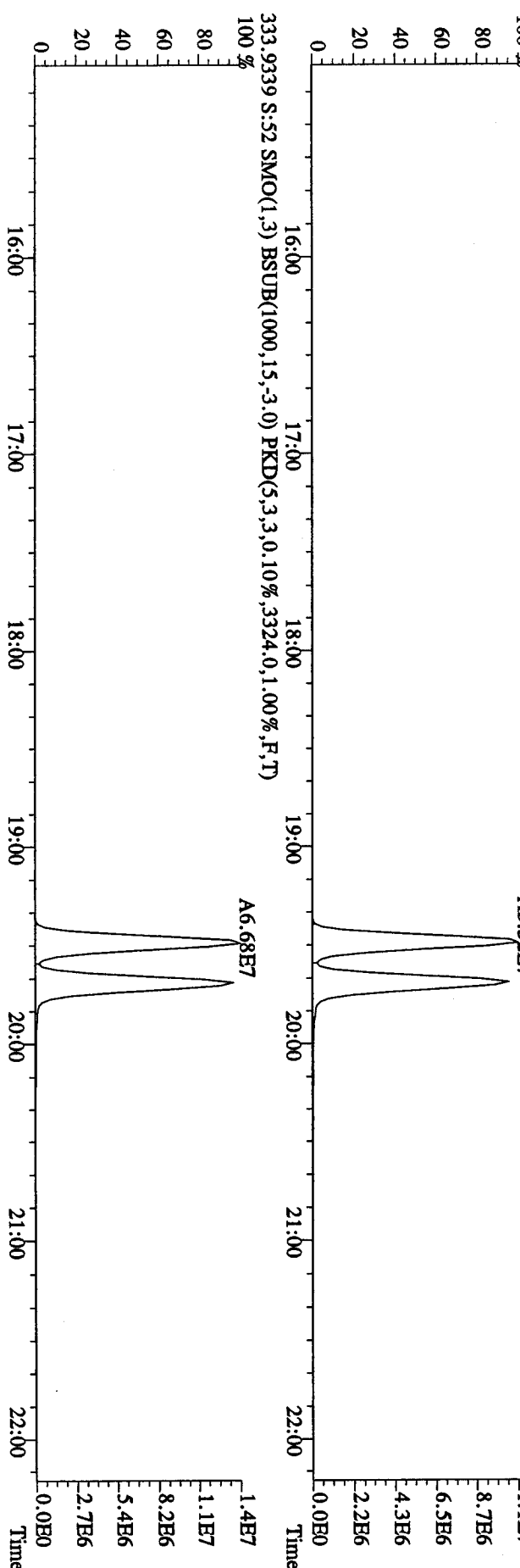
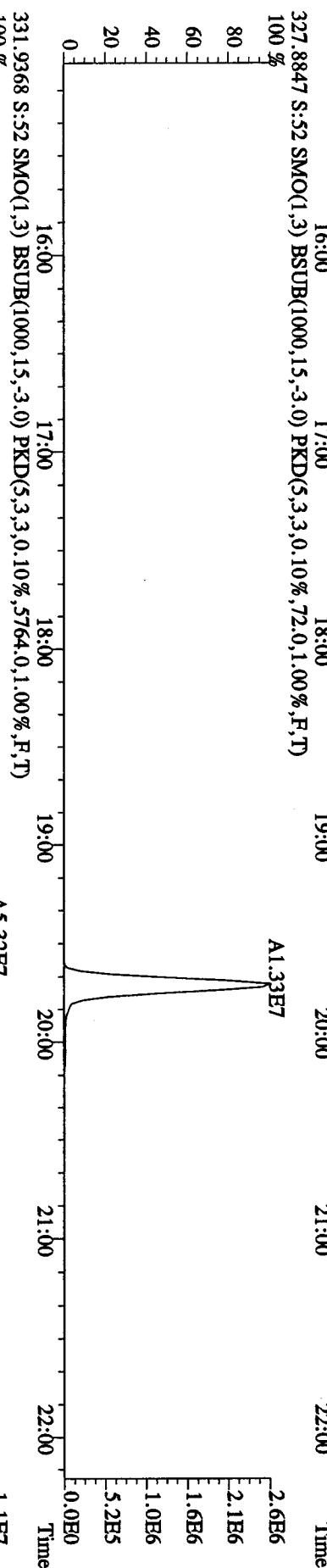
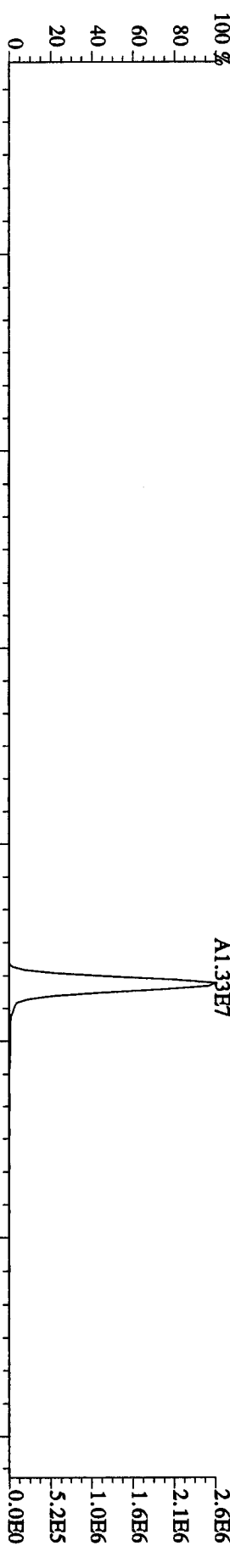
File:27AP104D5 #1-434 Acq:29-APR-2010 01:19:19 GC BI + Voltage SIR Autospec-UltimaE
 Sample#52 Text:ST0427C :CS3 10DXN083 Exp:DIOXINRES8290A
 303.9016 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,620.0,1.00%,F,T)



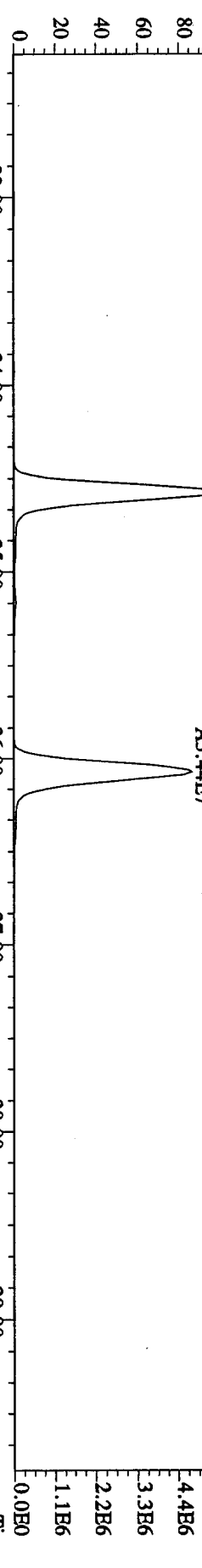
File: 27AP104D5 #1-434 Acq: 29-APR-2010 01:19:19 GC EI + Voltage SIR Autospec-UltimaE
 Sample#52 Text: ST0427C :CS3 10DXN083 Exp: DIOXINRES8290A
 319.8965 S:52 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,596,0,1,00%,F,T) 100%



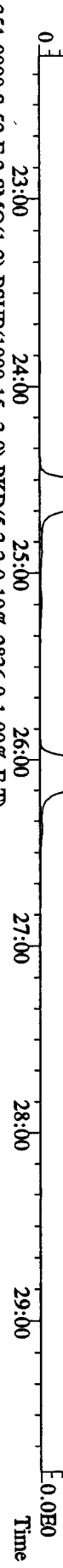
File:27AP104D5 #1-434 Acq:29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-Ultimate
Sample#52 Text:ST0427C :CS3 10DXN083 Exp:DIOXINRES8290A
327.8847 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)
100 %



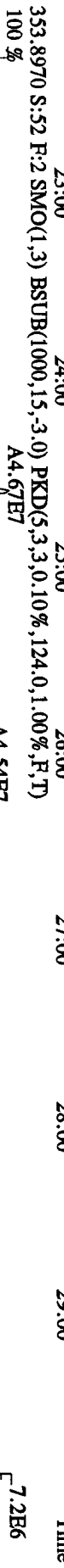
File: 27AP104D5 #1-604 Acq-29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#52 Text:ST0427C :CS3 10DXN083 Exp:DIOXINRES8290A
 339.8597 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1512.0,1.00%,F,T)
 100 % A3.58E7



341.8567 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1852.0,1.00%,F,T)
 100 % A2.29E7



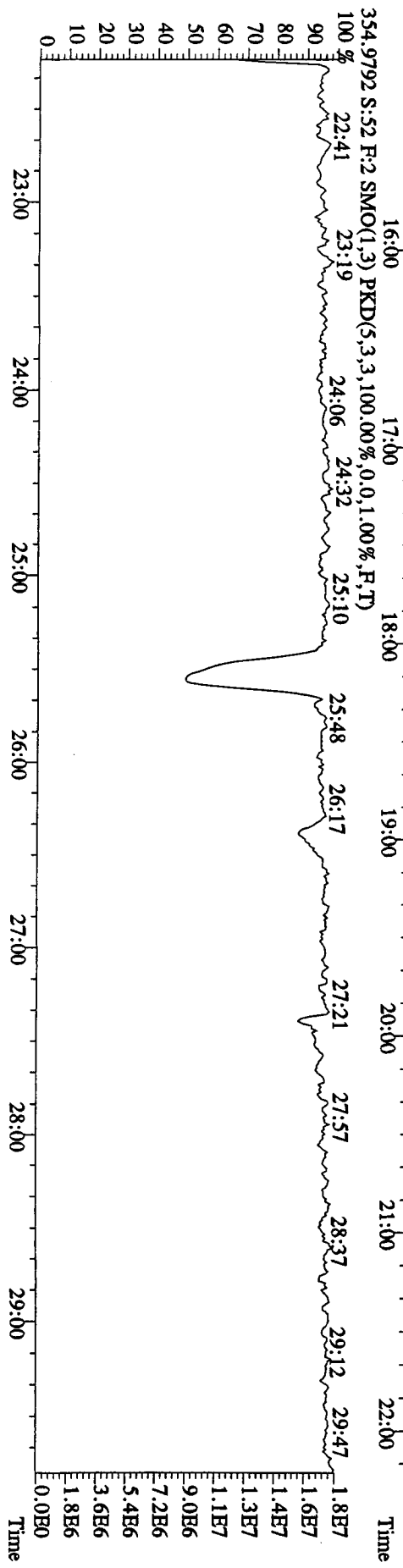
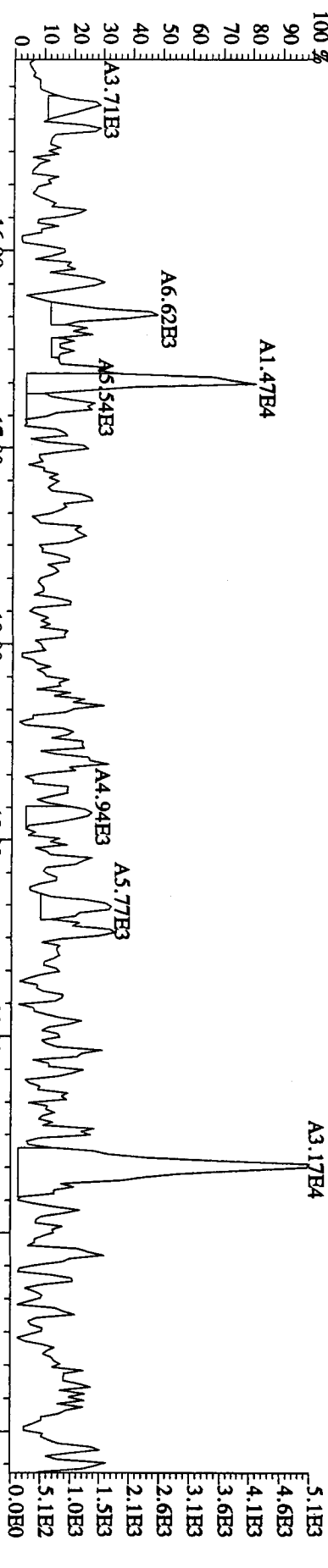
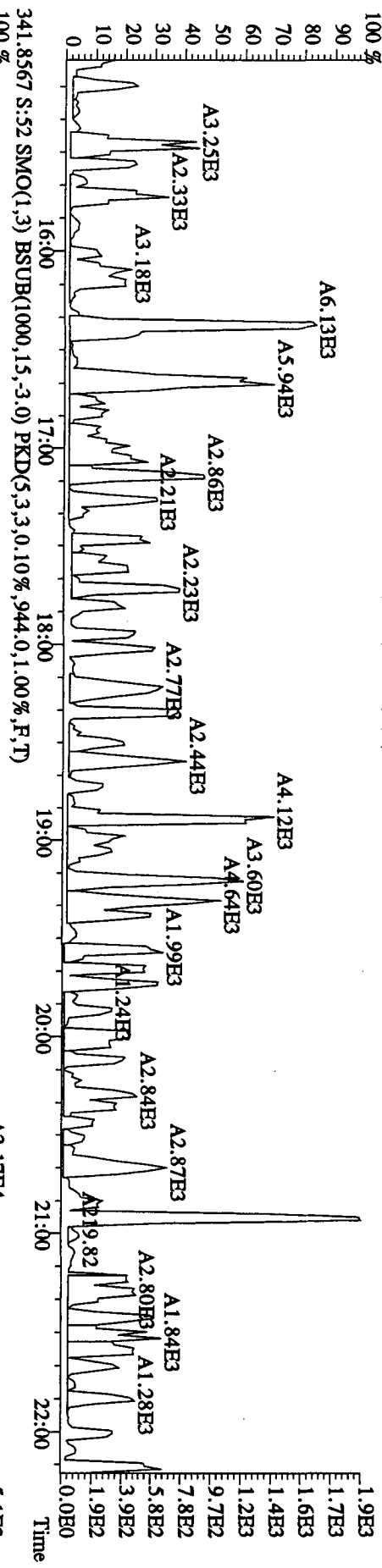
351.9000 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836.0,1.00%,F,T)
 100 % A7.32E7



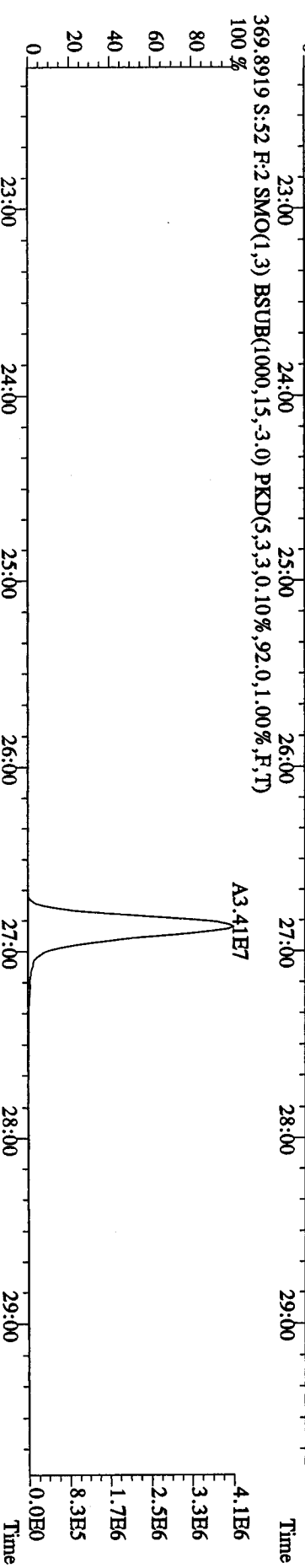
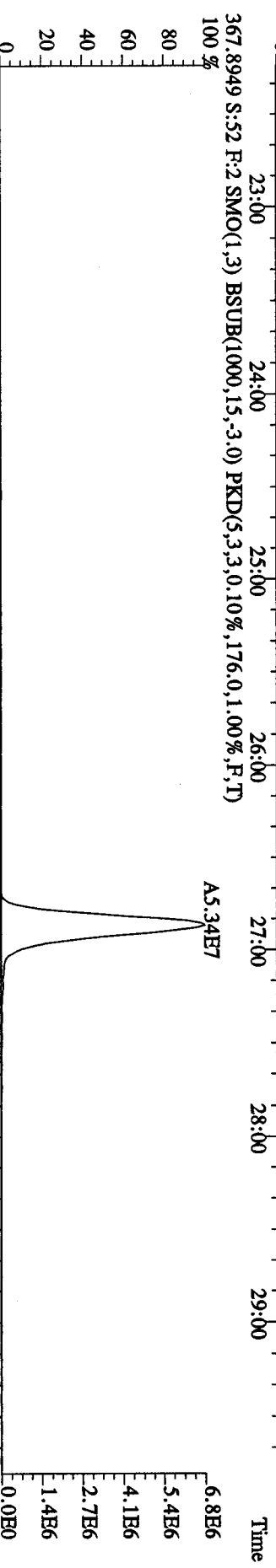
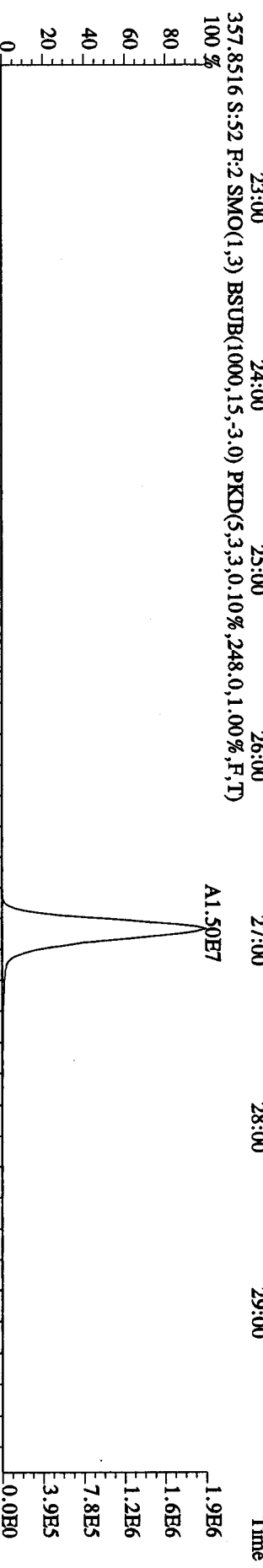
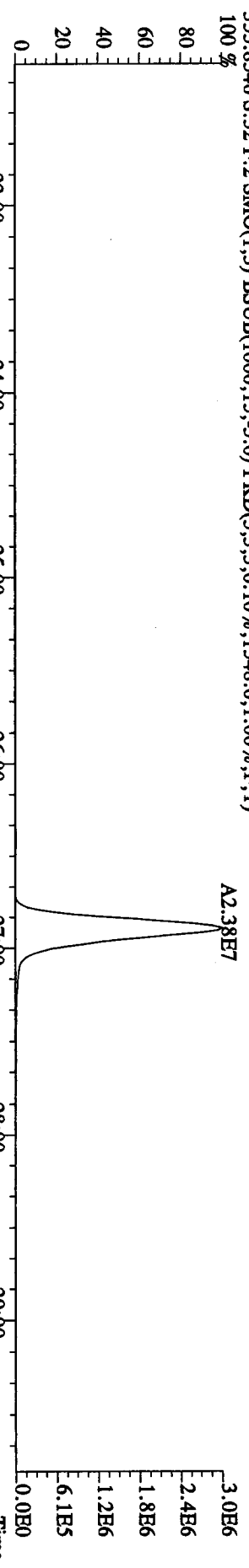
353.8970 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)
 100 % A4.67E7



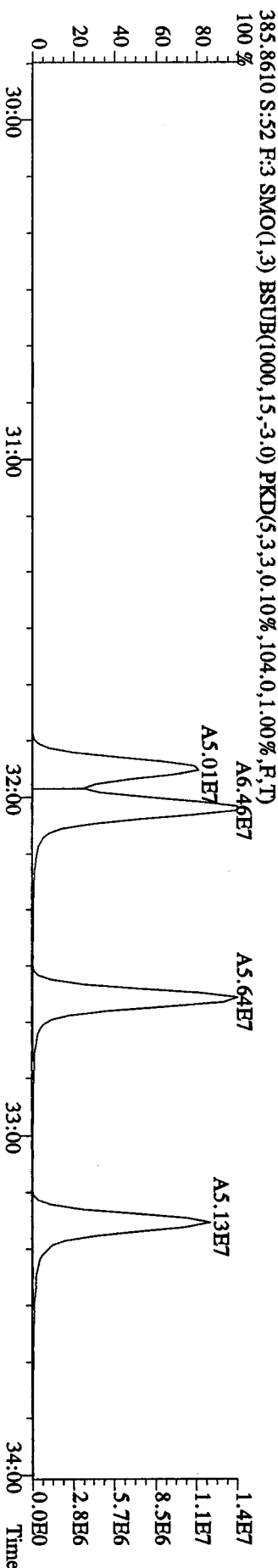
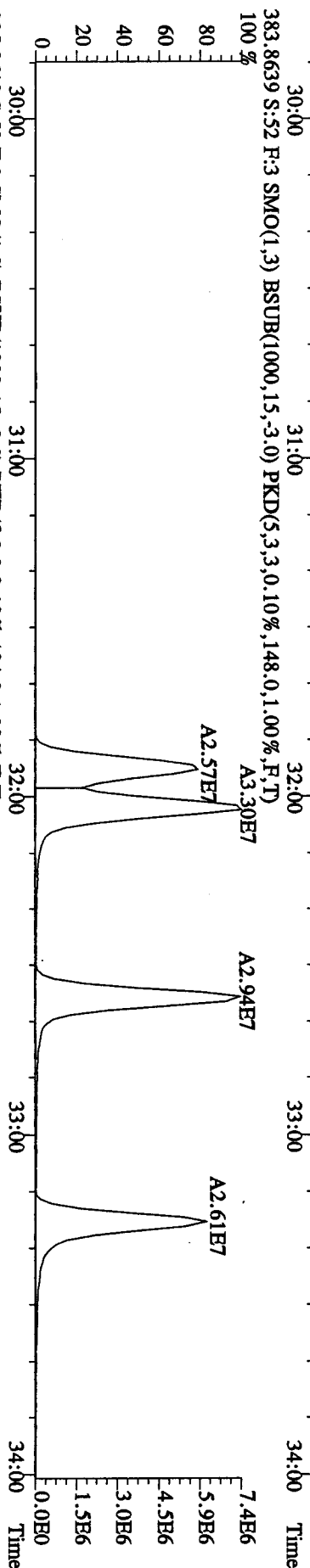
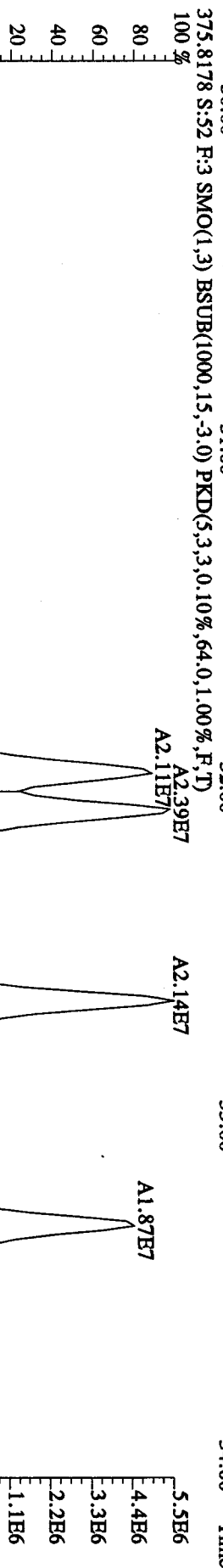
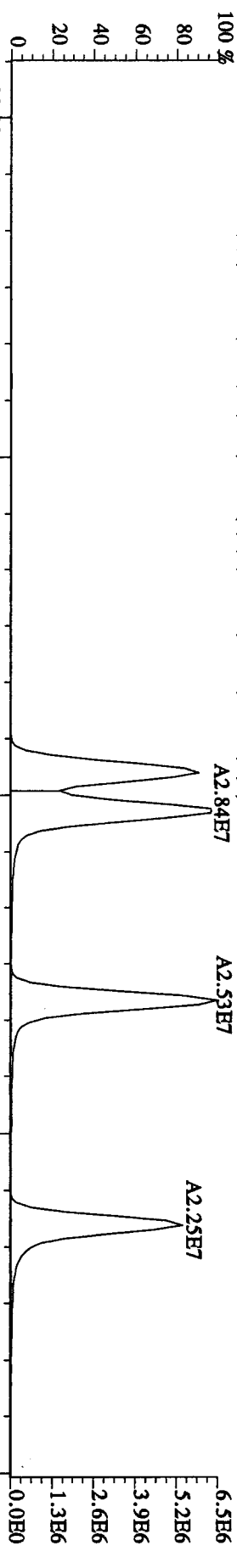
File: 27AP104D5 #1-434 Acq: 29-APR-2010 01:19:19 GC: EI+ Voltage: SIR Autospec-UltimaB
 Sample# 52 Text: ST0427C : CS3 10DXN083 Exp: DIOXINRES8290A
 339.8597 S: 52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,84,0,1.00%,F,T)



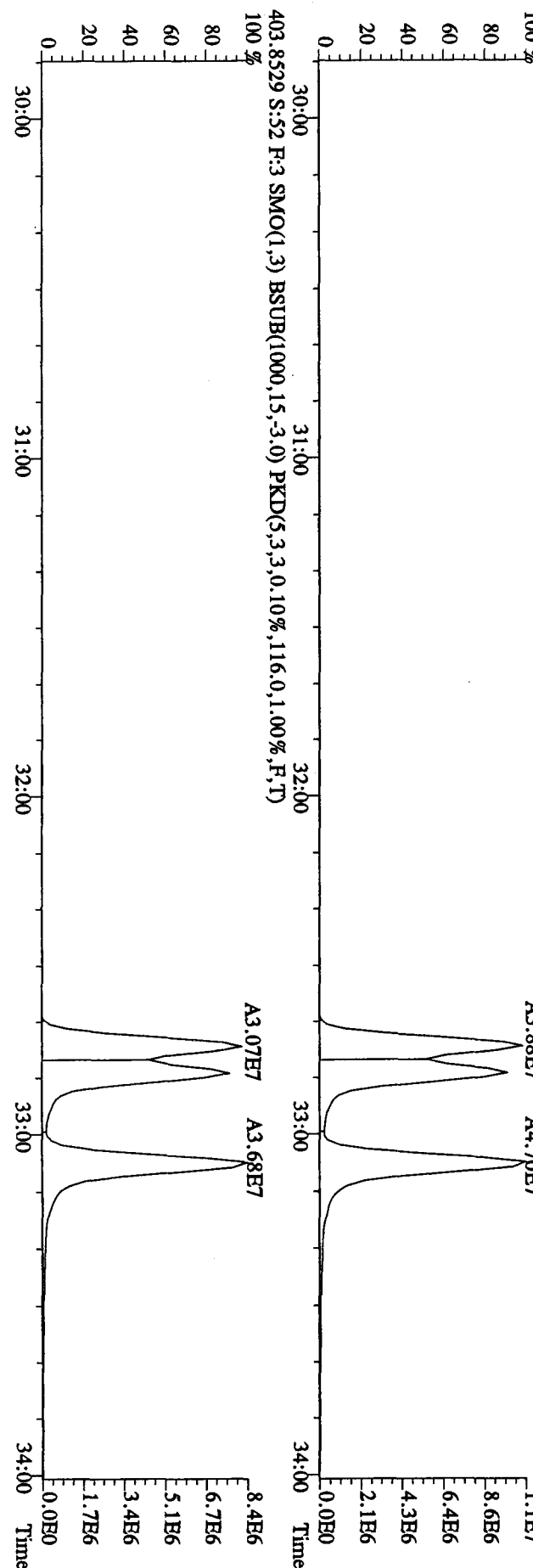
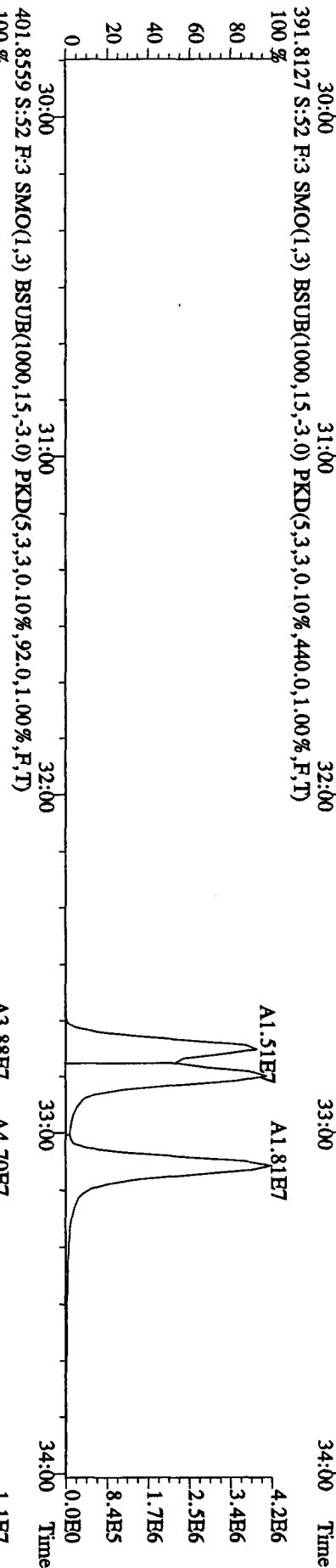
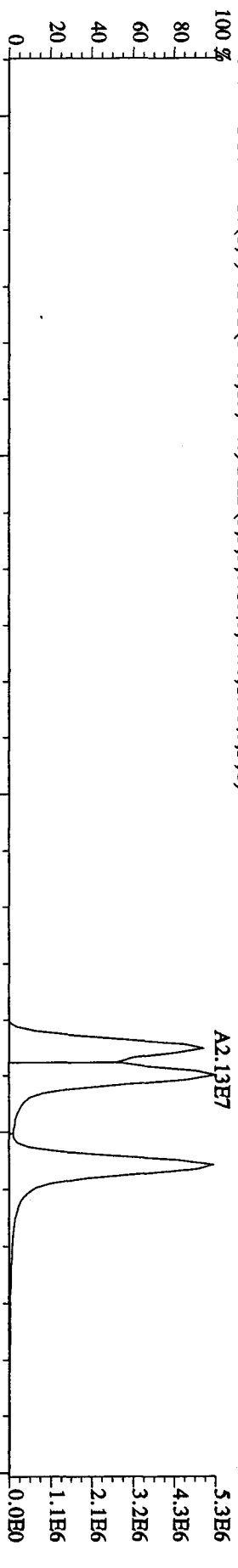
File:27AP104D5 #1-604 Acq:29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#52 Text:ST0427C :CS3 10DDXN083 Exp:DIOXINRES8290A
 355.8546 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1548.0,1.00%,F,T)
 100%



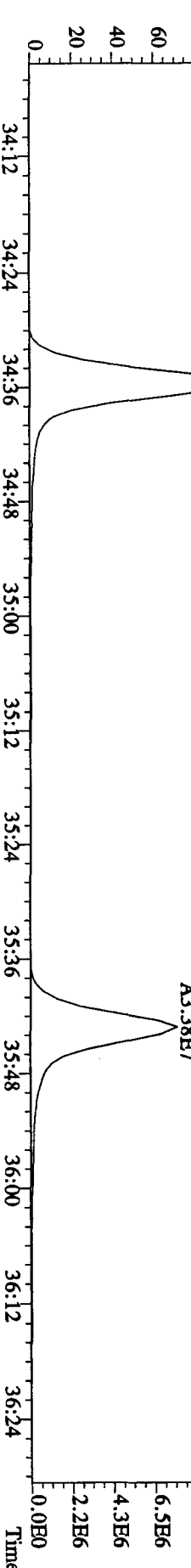
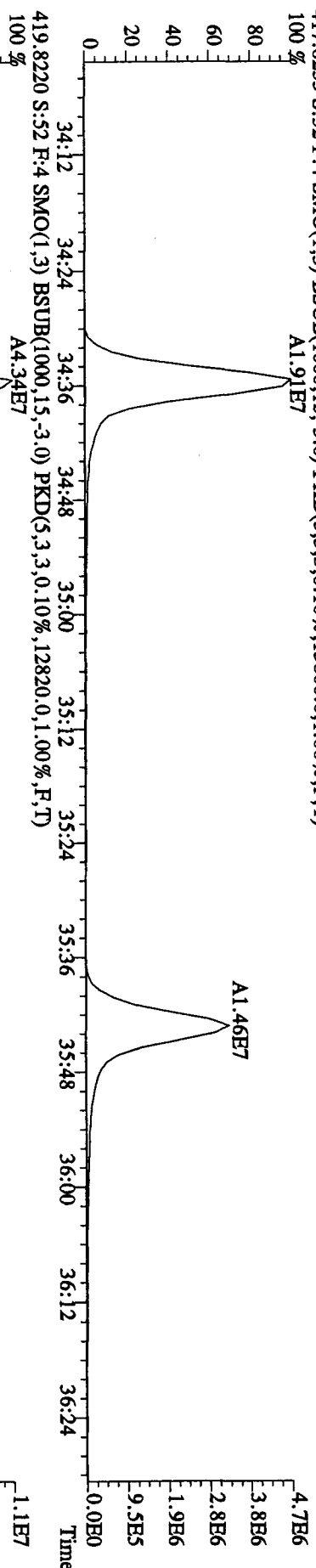
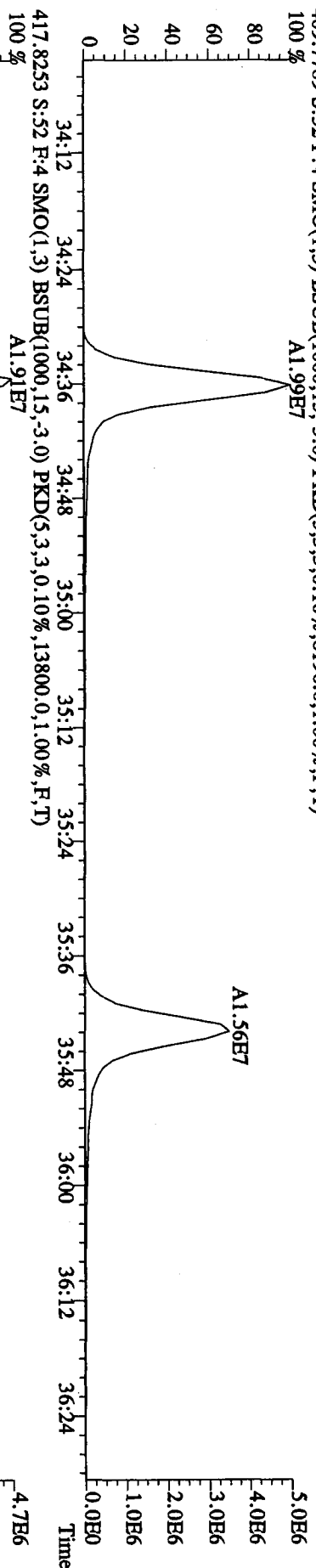
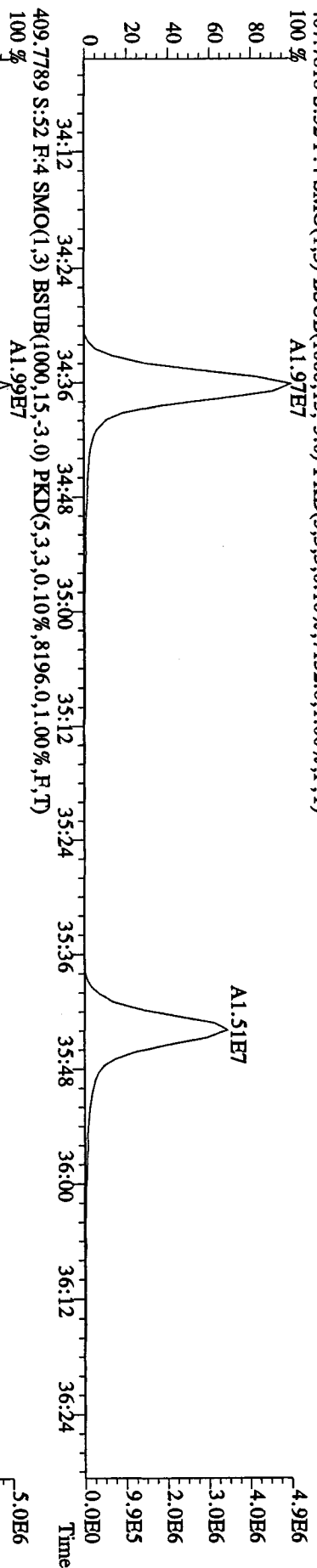
File: 27AD104D5 #1-317 Acq: 29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#52 Text: ST0427C :CS3 10DXN083 Exp: DIOXINRES8290A
 373.8208 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)
 100%



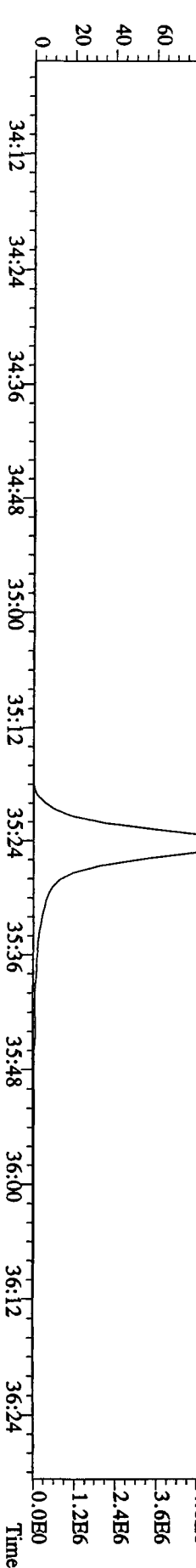
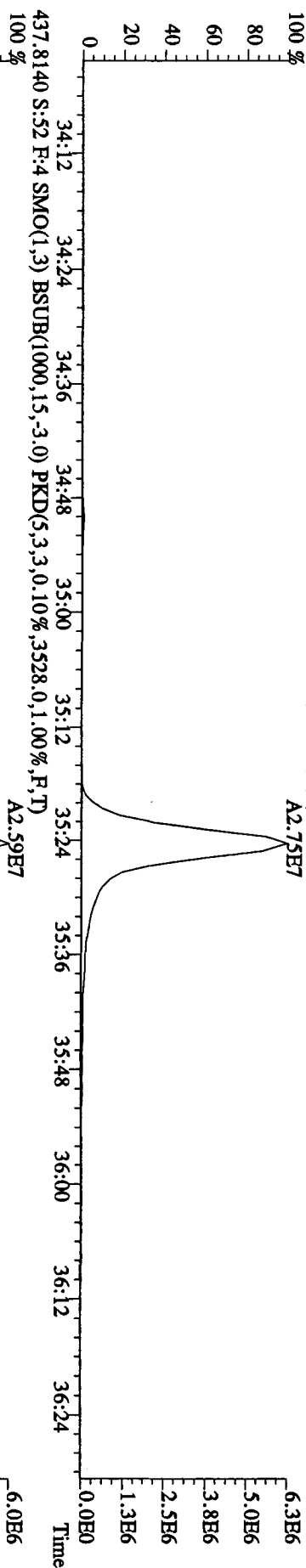
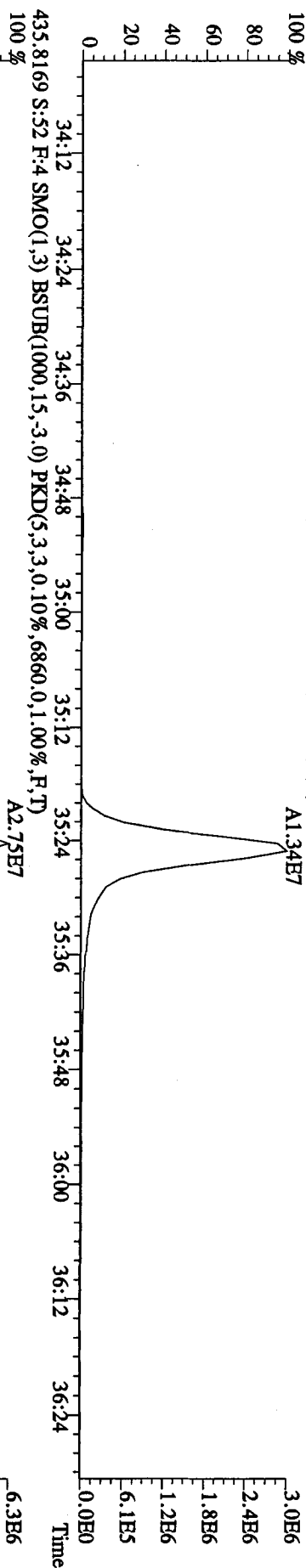
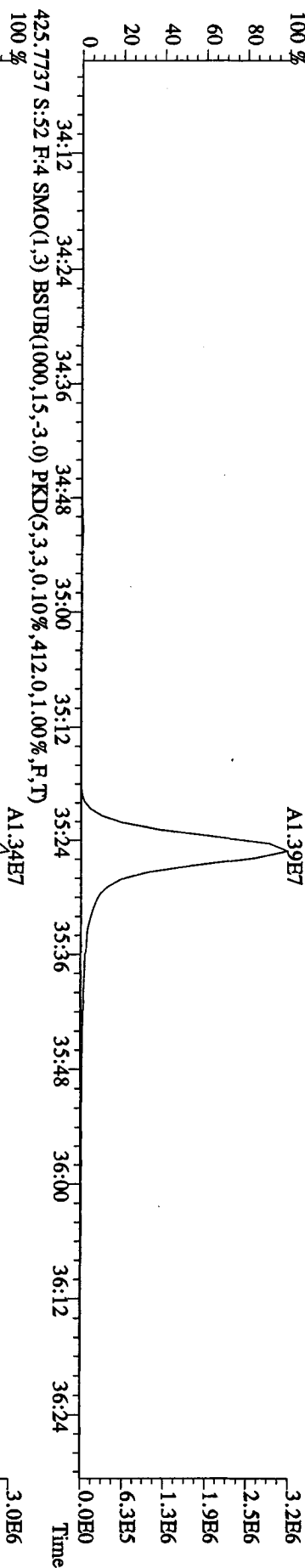
File: 27API104D5 #1-317 Acq: 29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaB
 Sample# 52 Text: ST0427C : CS3 10DXN083 Exp: DIOXINRES8290A
 389.8157 S: 52 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,44,0,1,00%,F,T)
 100%



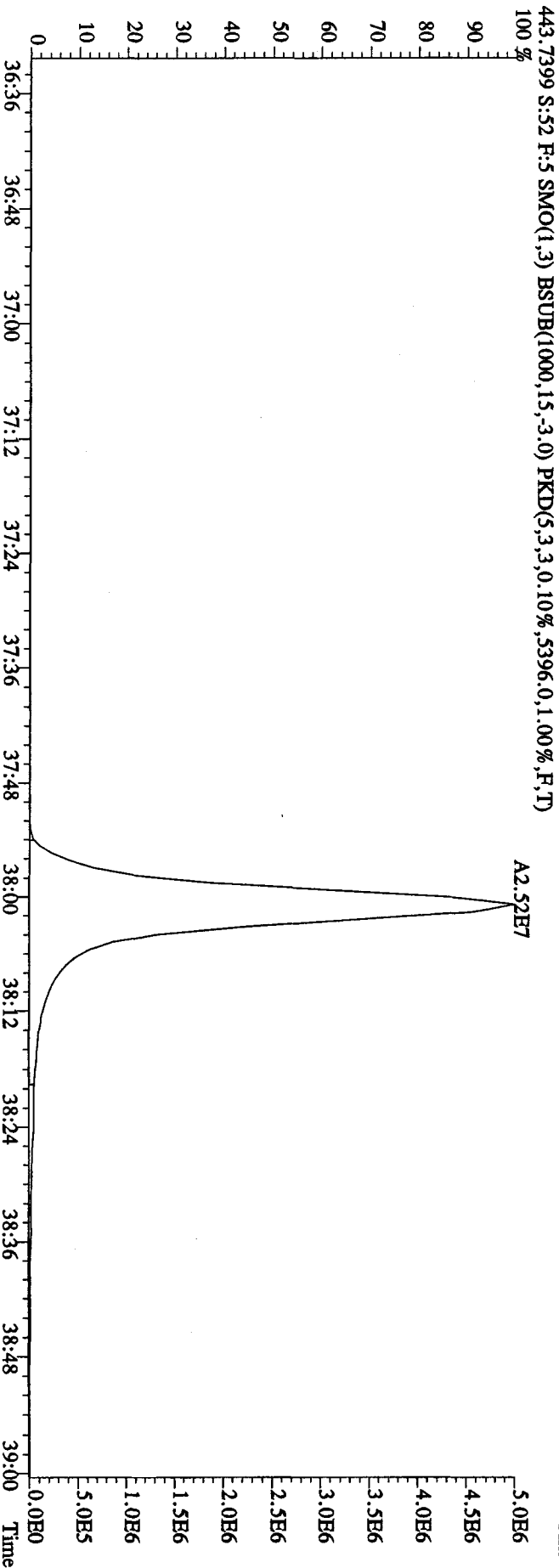
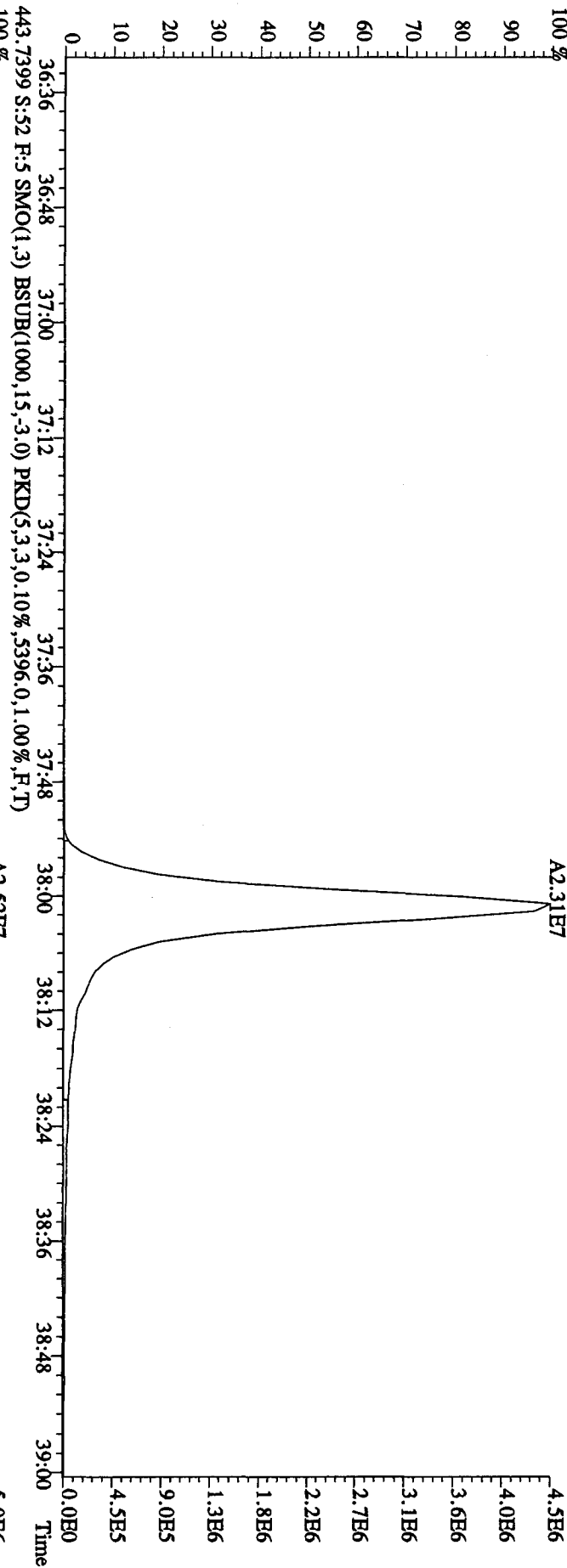
File:27AP104D5 #1-198 Acq:29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#52 Text:ST0427C :CS3 10DXN083 Exp:DIOXINRES8290A
 407.7818 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7132.0,1.00%,F,T)
 100 % A1.97E7



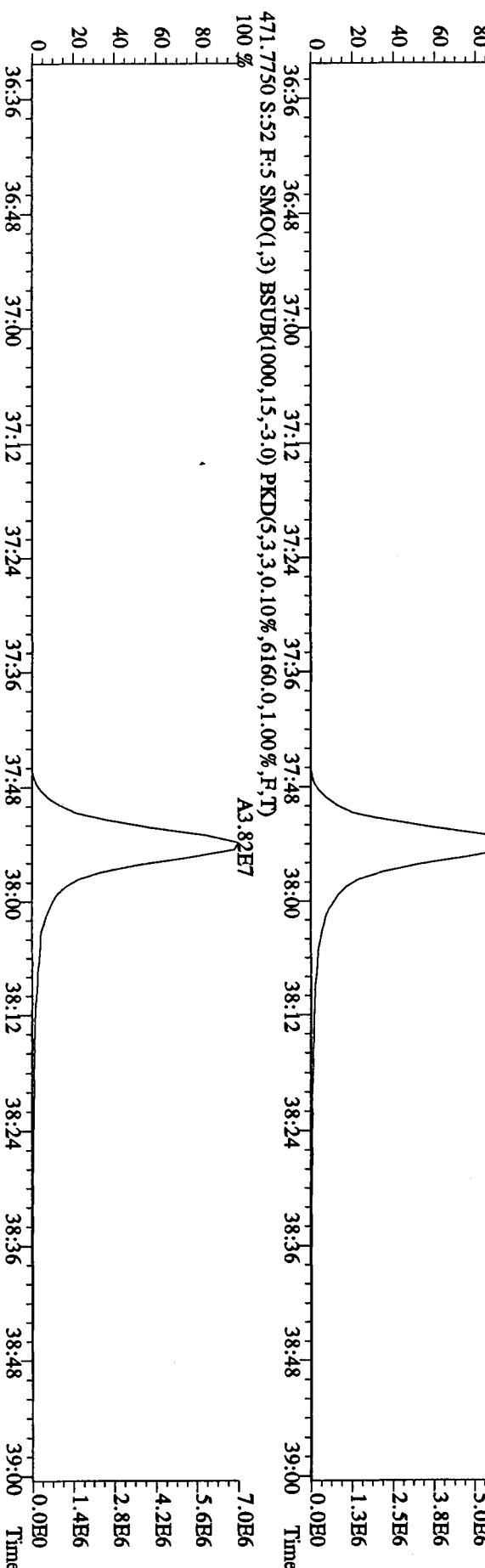
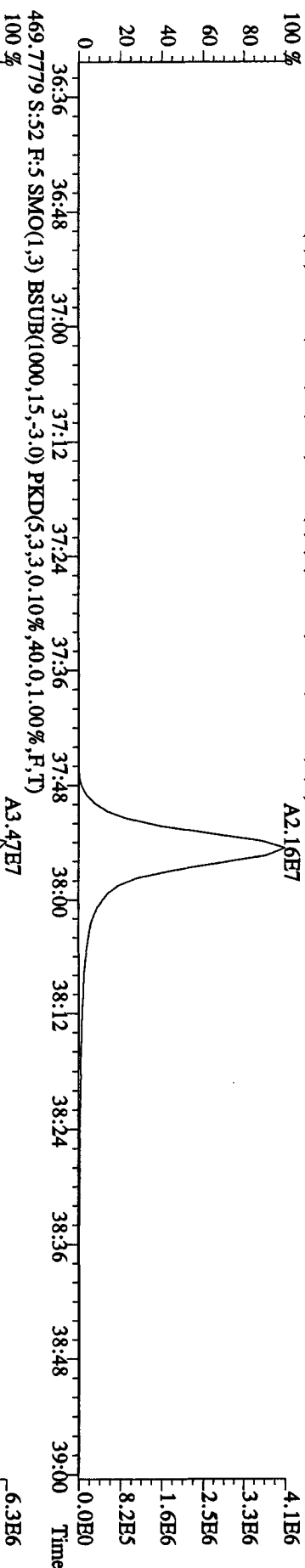
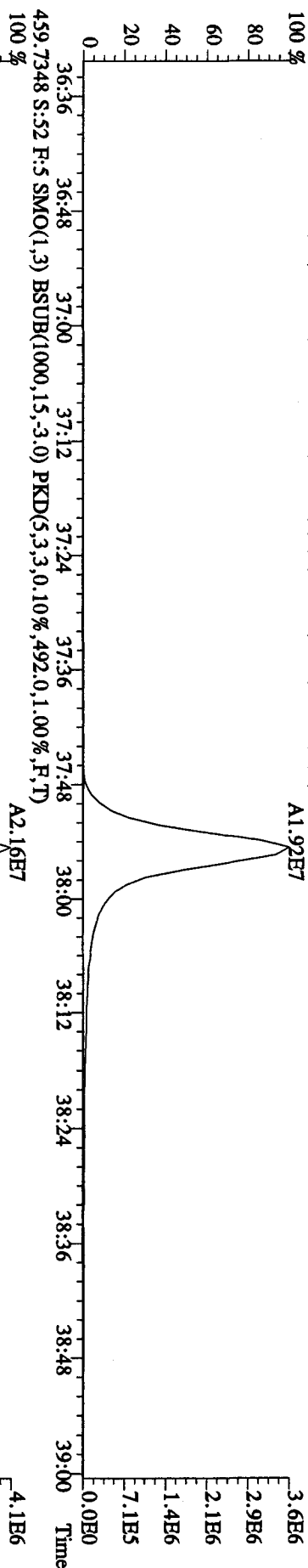
File: 27AD104D5 #1-198 Acq: 29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text: ST0427C :CS3 10DXN083 Exp: DIOXINRES8290A
423.7766 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)
100 % A1.39E7

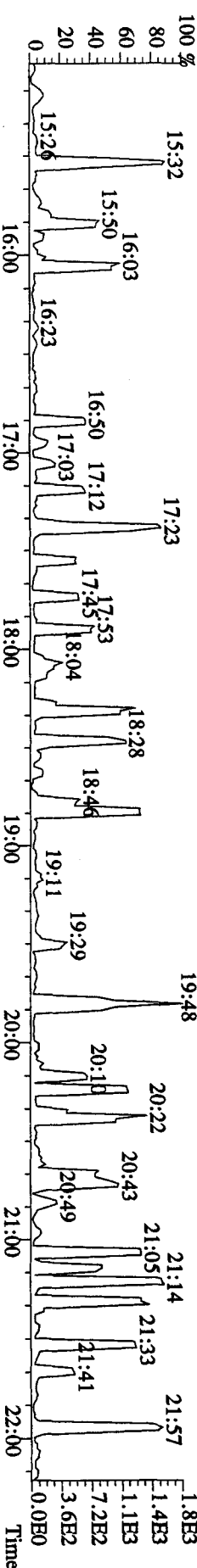
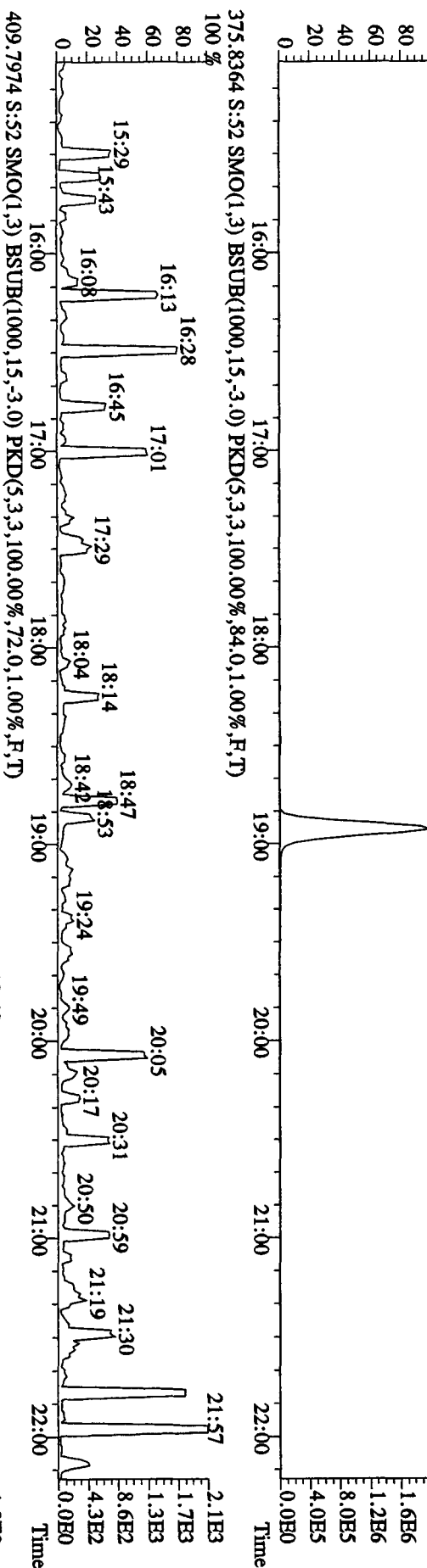
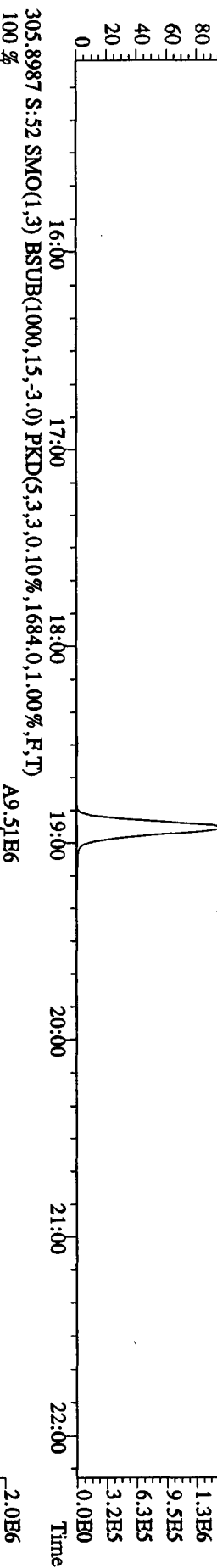
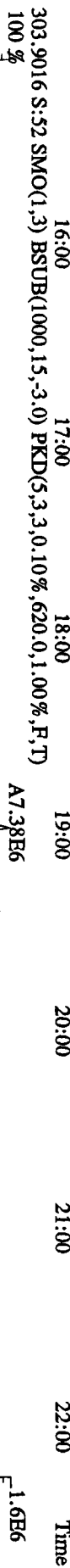
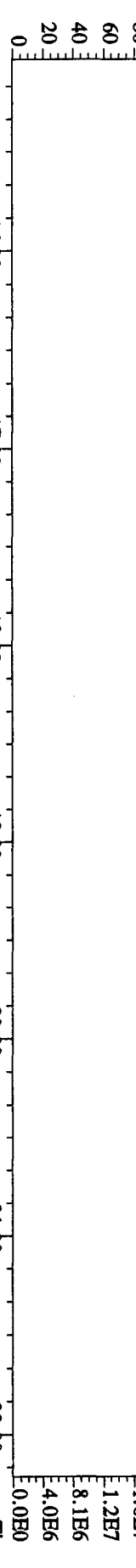


File: 27AP104D5 #1-190 Acq: 29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#52 Text: ST0427C :CS3 10DXN083 Exp: DIOXINRES8290A
 441.7428 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,644.0,1.00%,F,T)

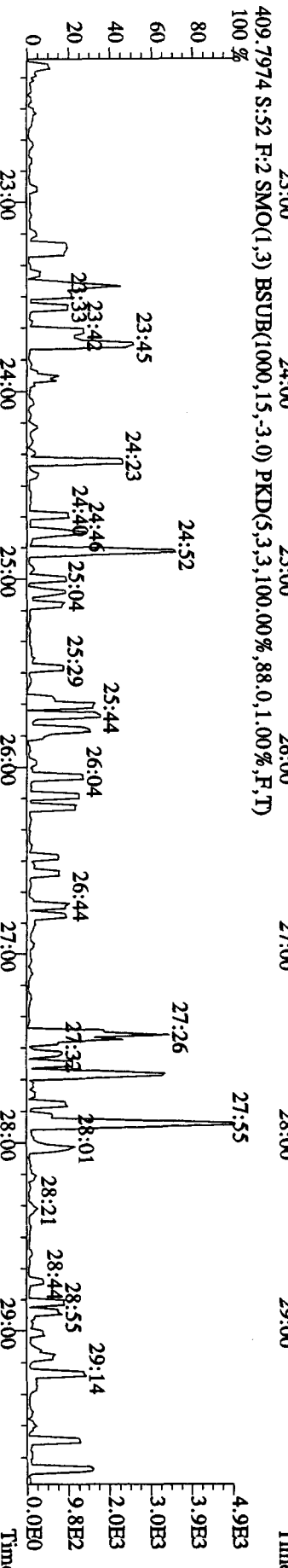
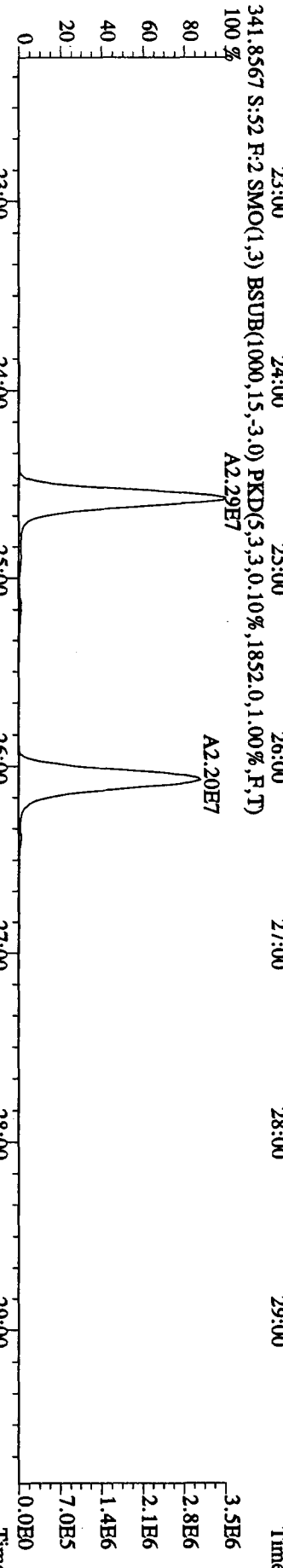
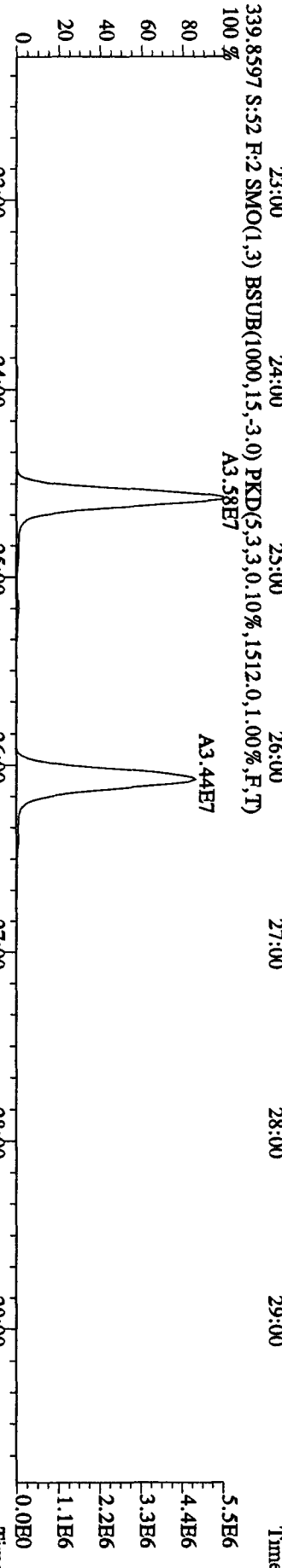
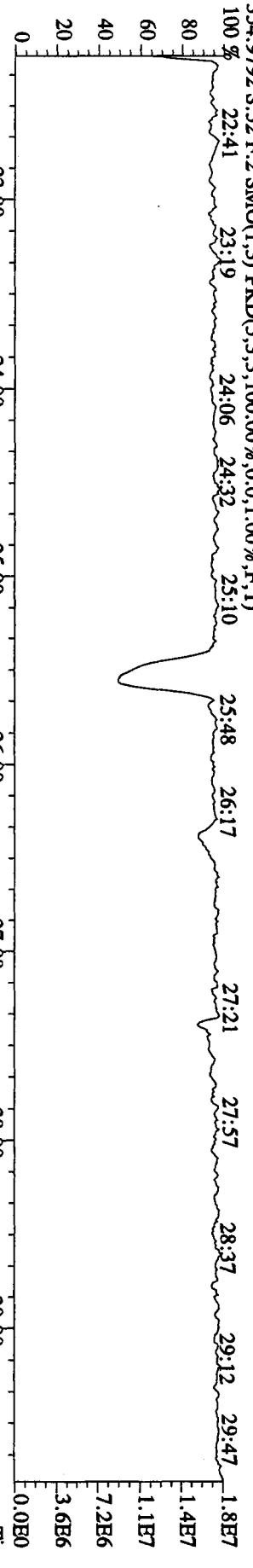


File:27ADP104D5 #1-190 Acq:29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#52 Text:ST0427C :CS3 10DXN083 Exp:DIOXINRES8290A
 457.7377 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)
 100%

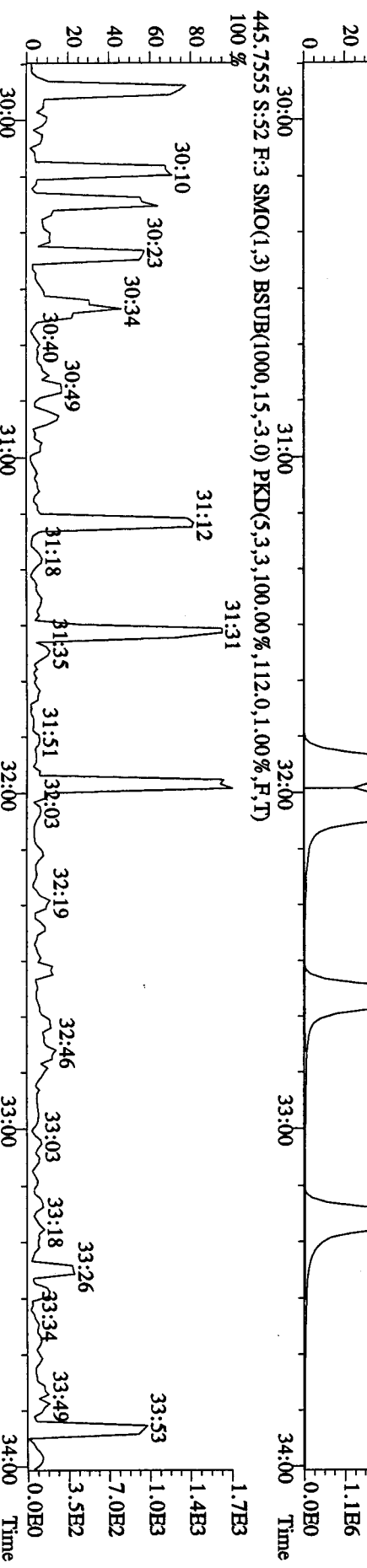
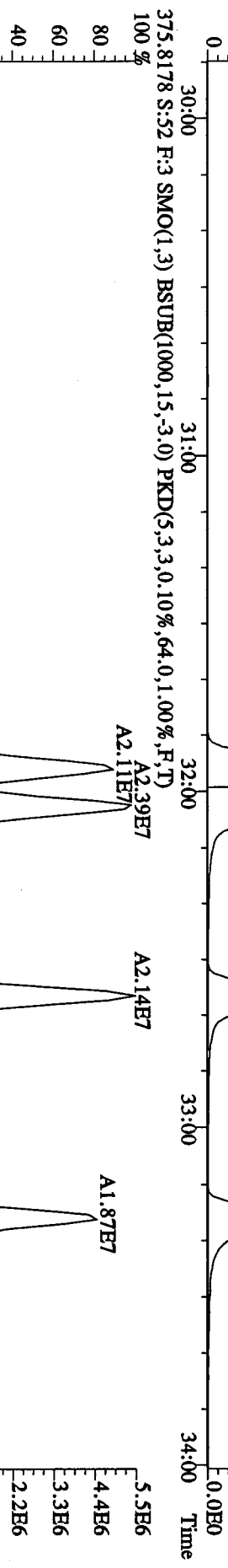
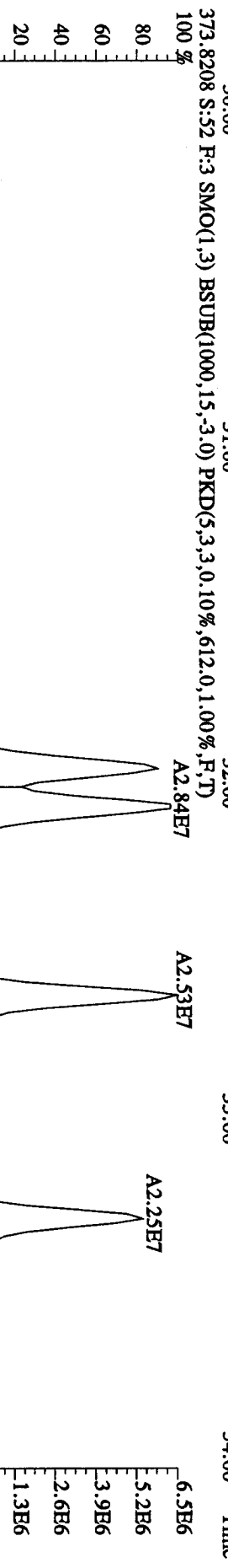
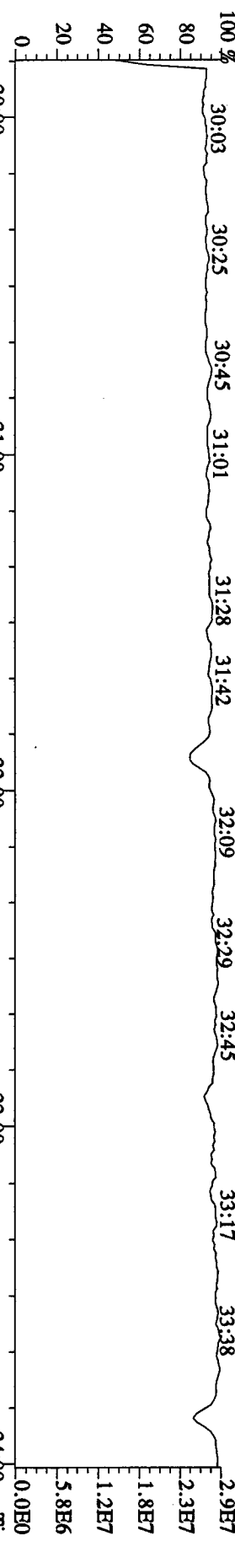




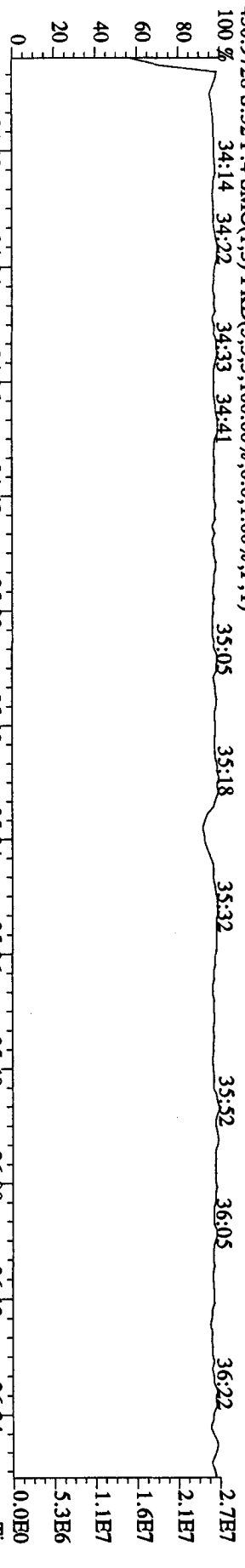
File: 27AP104D5 #1-604 Acq: 29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-Ultimate
 Sample# 52 Text: ST0427C :CS3 10DXN083 Exp: DIOXINRES8290A



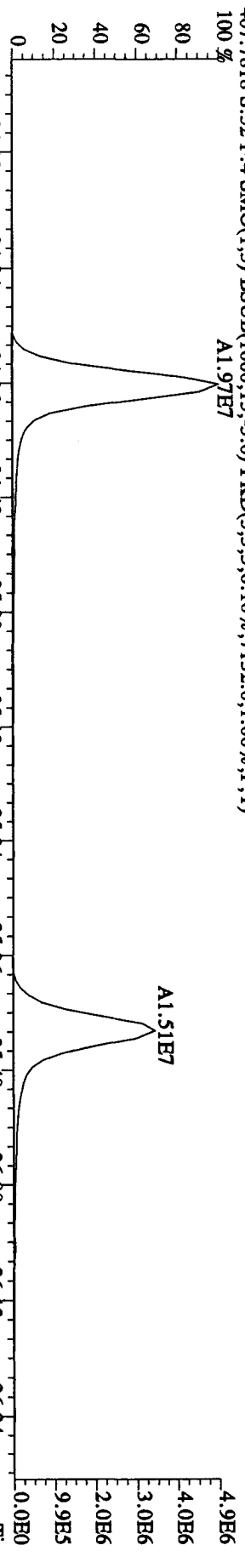
File:27AP104D5 #1-317 Acq:29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#52 Text:ST0427C :CS3 10DXN083 Exp:DIOXINRES8290A
 430.9728 S:52 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



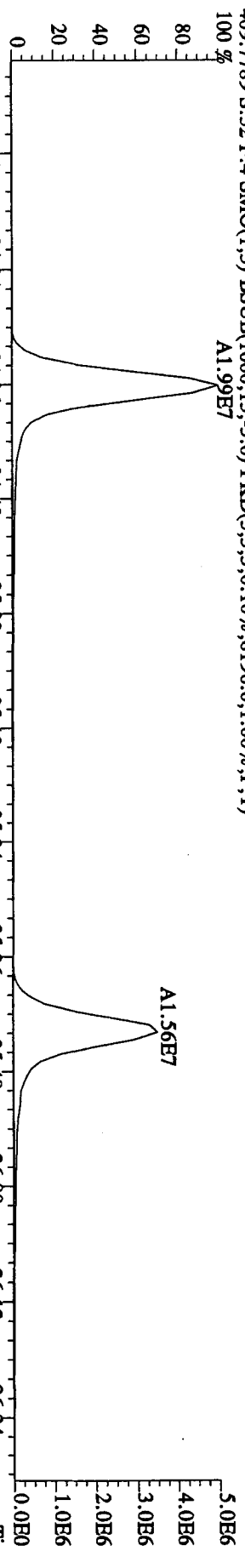
File:27AP104D5 #1-198 Acq:29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#52 Text:ST0427C :CS3 10DXN083 Exp:DIOXINRESS8290A
 430.9728 S:52 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 34:14 34:22 34:33 34:41 35:05 35:18 35:32 35:52 36:05 36:22



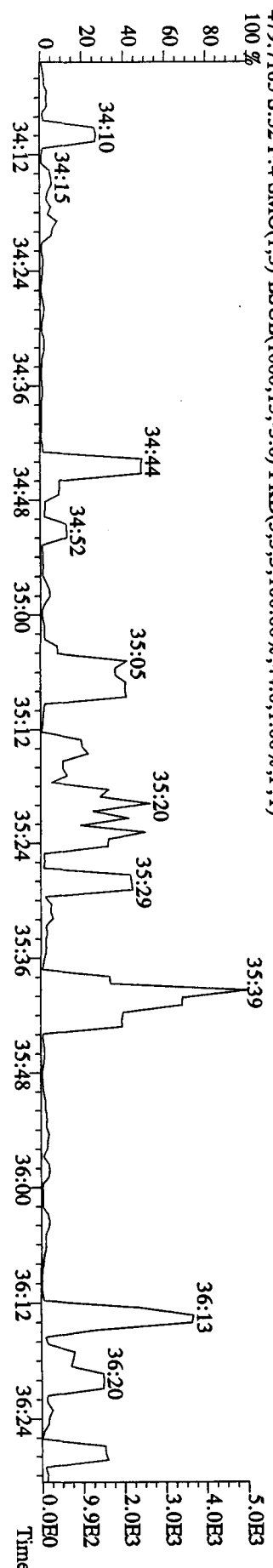
407.7818 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7132.0,1.00%,F,T)
 A1.97E7



409.7789 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8196.0,1.00%,F,T)
 A1.99E7

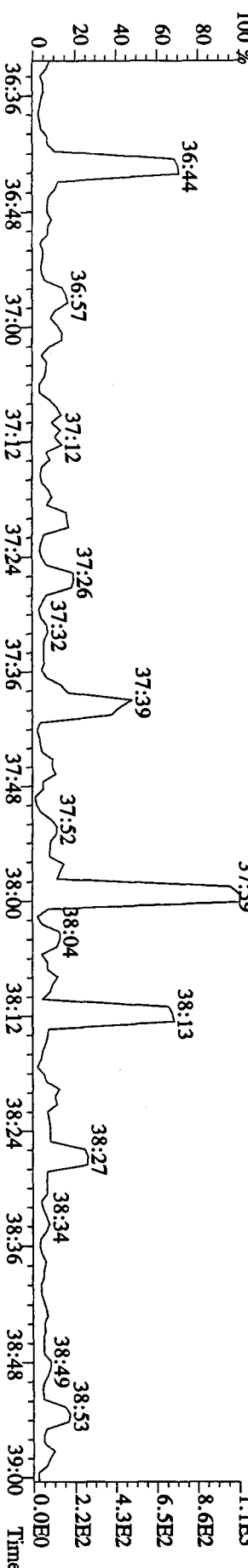
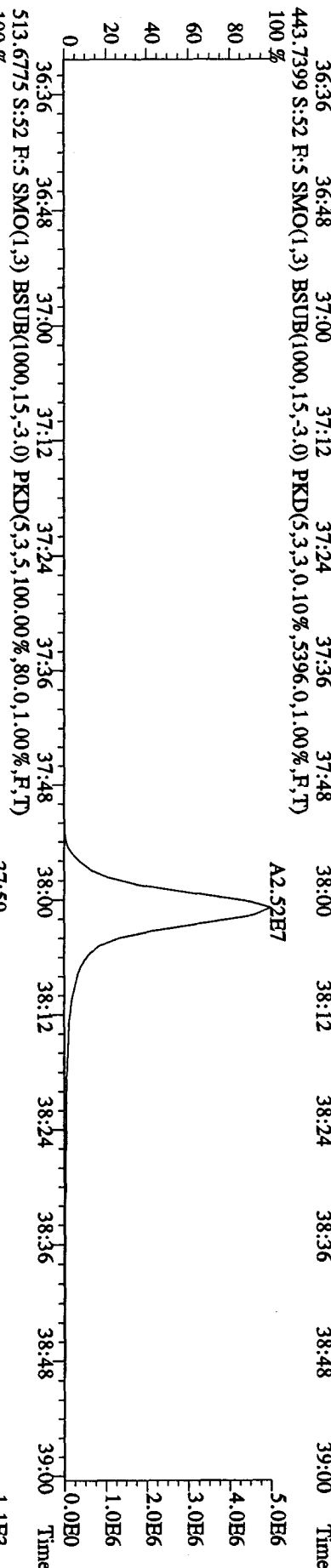
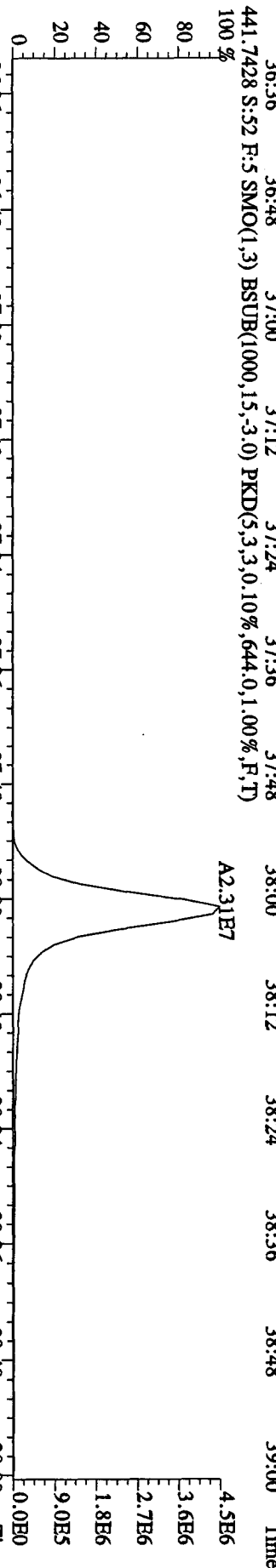
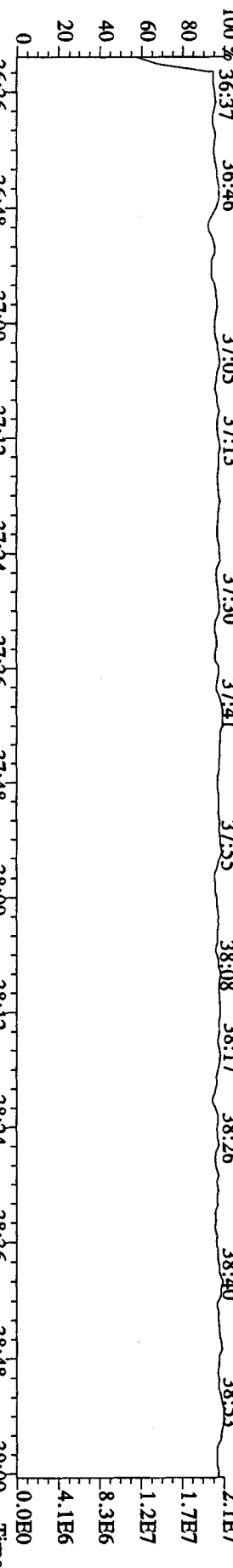


479.7165 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,44.0,1.00%,F,T)



File: 27AD104D5 #1-190 Acq: 29-APR-2010 01:19:19 GC EI+ Voltage SIR Autospec-UltimaB

Sample#52 Text: ST0427C : CS3 10DXN083 Exp: DIOXINRES8290A



Method ID 8290

Associated ICAL 8290/23/09/105

Column ID DB5

Instrument ID 105

STD ID ST0429, ST0429A

STD Solution 100XN111

Analyzed by M.G.

Date Analyzed 4/29/10

Std. Pkg. By M.G.

Date Std. Pkg. Assembled 4/30/10

Std. Pkg. Reviewed By M.G.

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

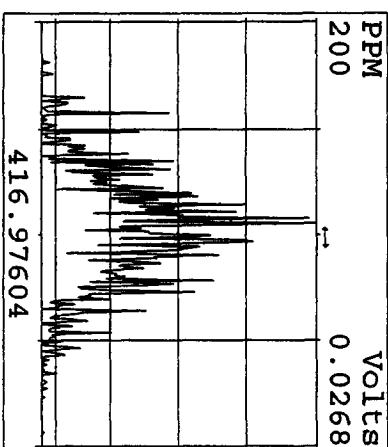
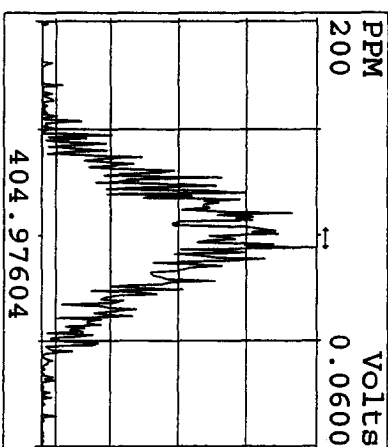
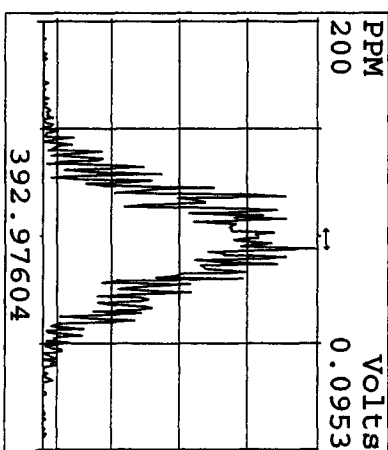
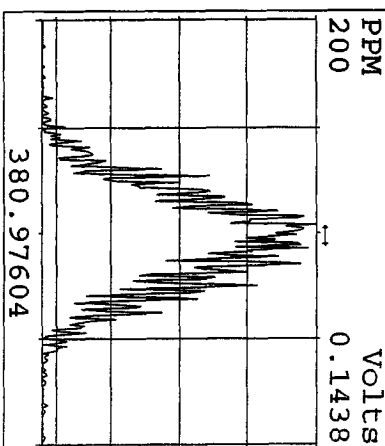
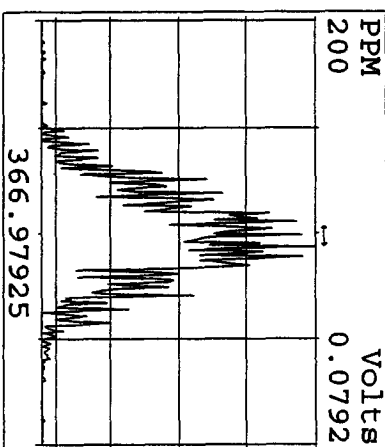
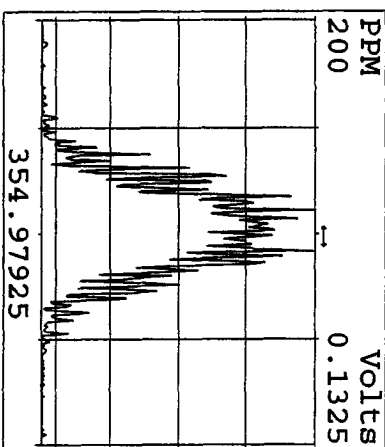
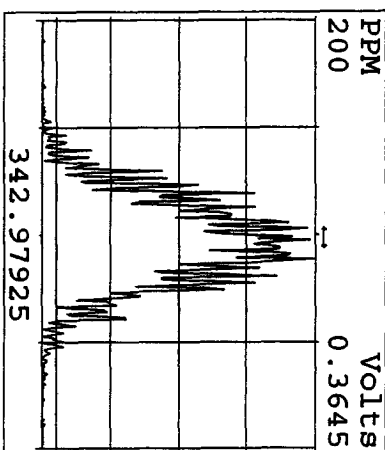
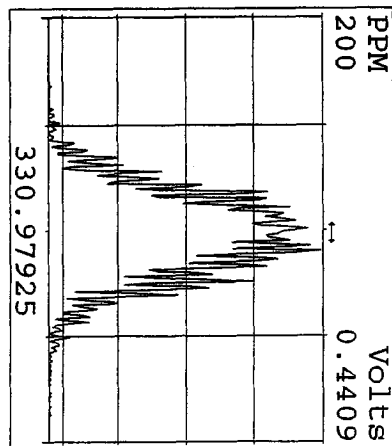
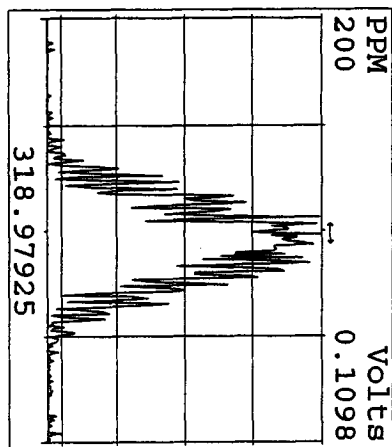
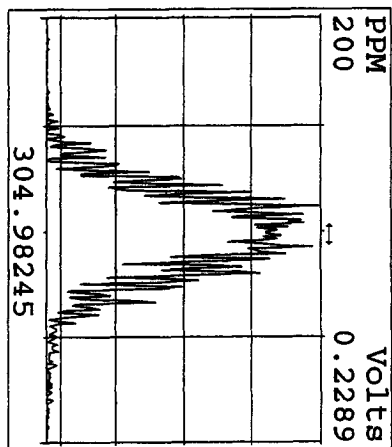
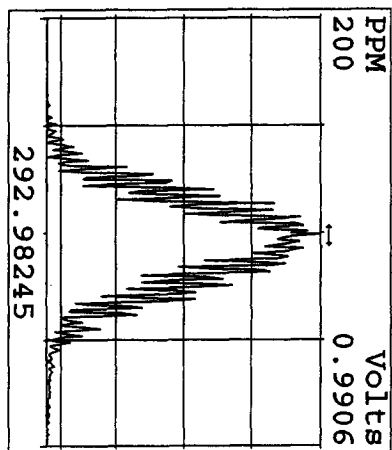
Run text: ST0429A File text: ST0429A :CS3 10DXN111
 Run #18 Filename 29AP101D5 S: 18 I: 1
 Acquired: 29-APR-10 22:01:32 Processed: 29-APR-10 22:45:01
 Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5 Results: 29AP101D58290

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

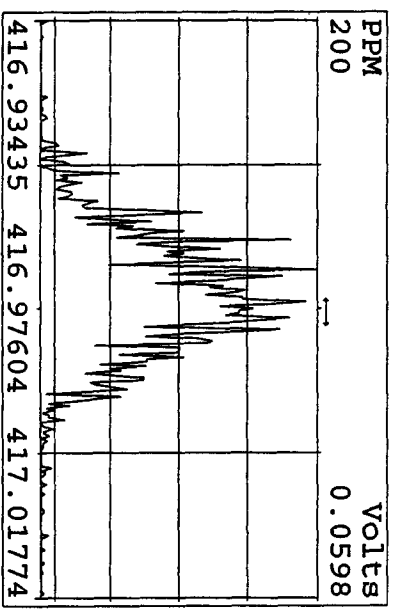
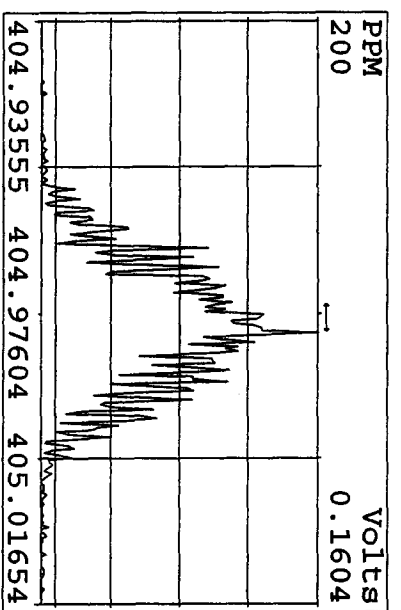
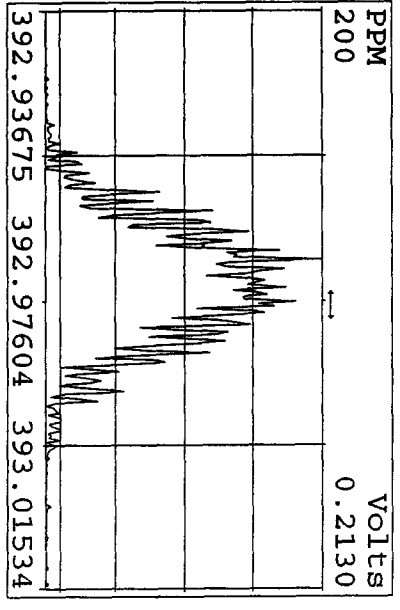
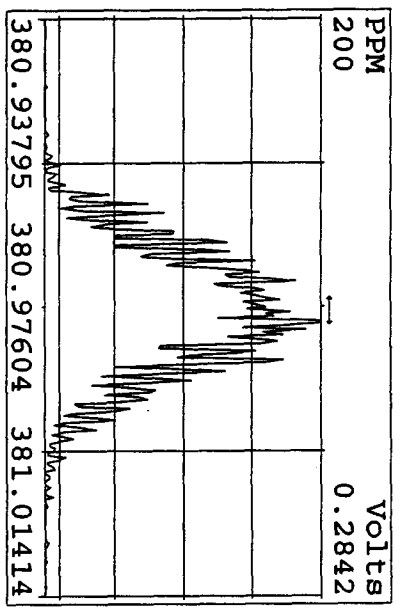
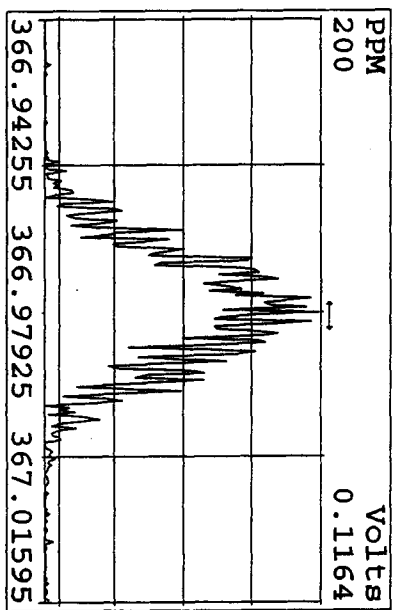
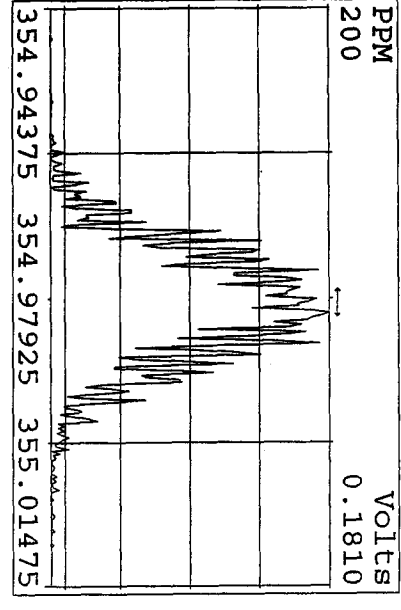
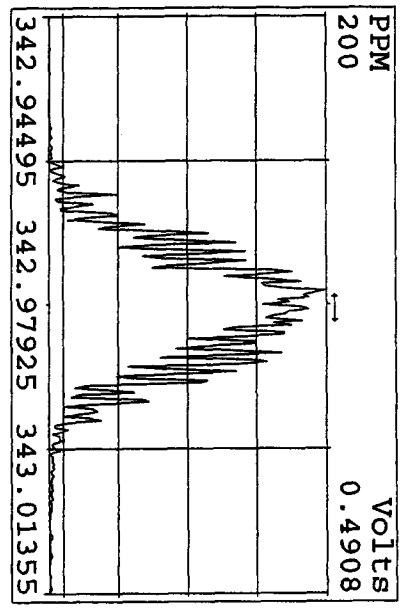
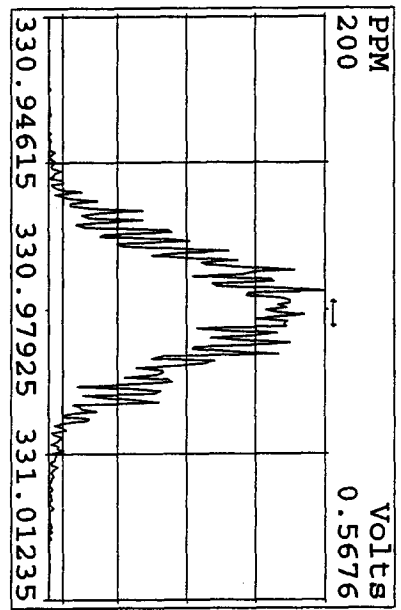
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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29AP101D5	3	SB0429	Solvent Blank C-14				1.00000	
29AP101D5	4	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.05000	g
29AP101D5	5	L0N3A-1-AA	G0D280586-1	20	8290/SOLID	SCR2	0.02000	g
29AP101D5	6	L0N3E-1-AA	G0D280586-2	20	8290/SOLID		0.02024	g
29AP101D5	7	L0N3F-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	
29AP101D5	37						1.00000	
29AP101D5	38						1.00000	
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29AP101D5	40		MG 04/29/10				1.00000	

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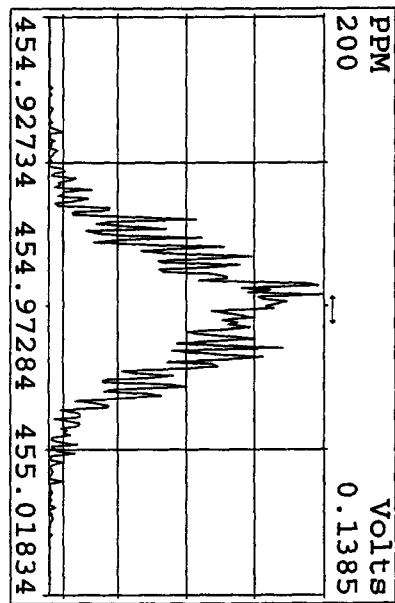
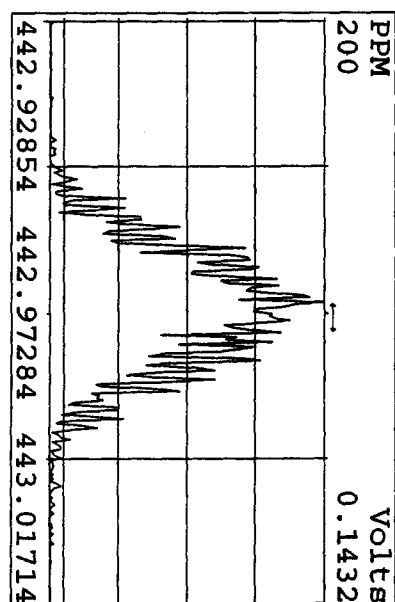
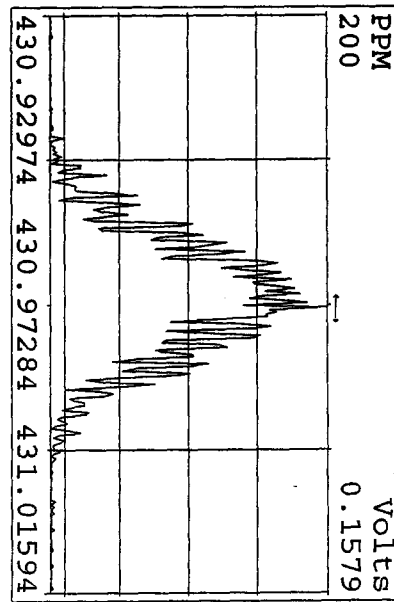
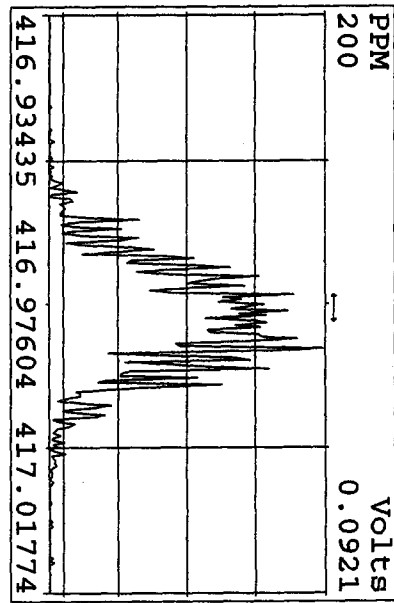
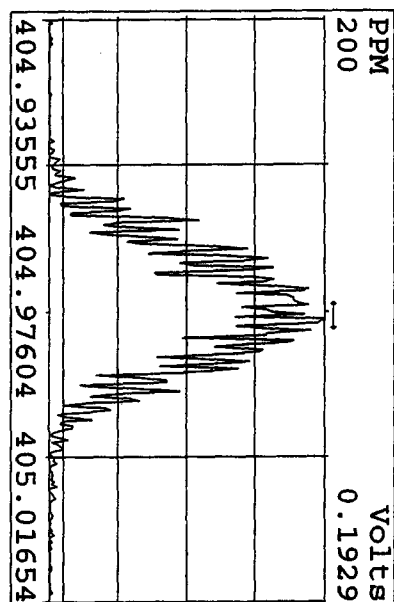
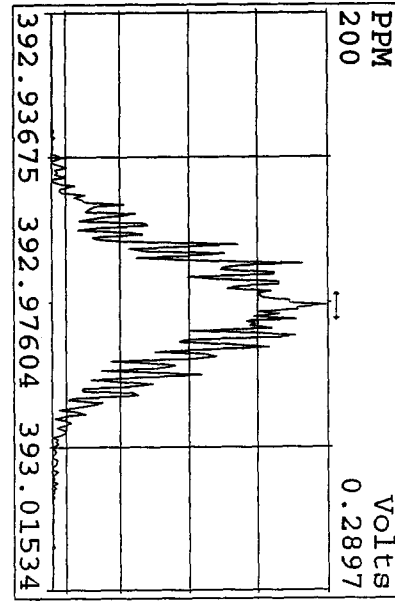
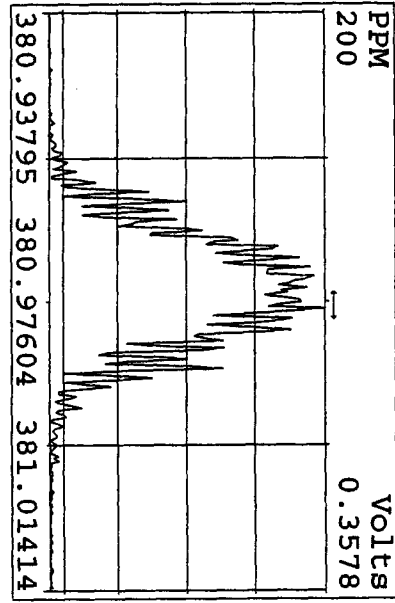
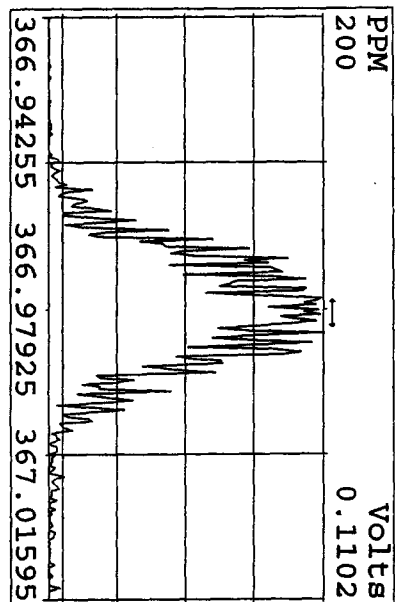
Peak Locate Examination:29-APR-2010:09:32 File:29API01D5
Experiment:DIOXINRES Function:1 Reference:PFK



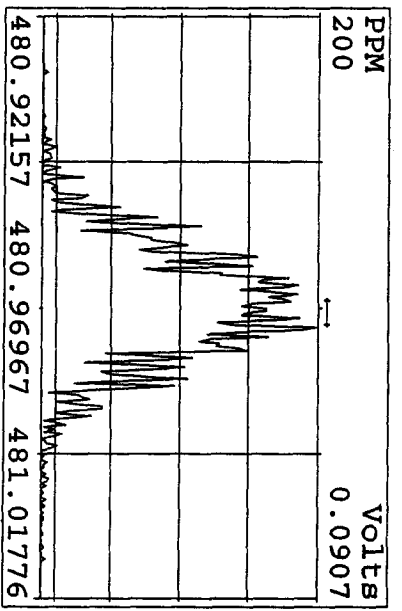
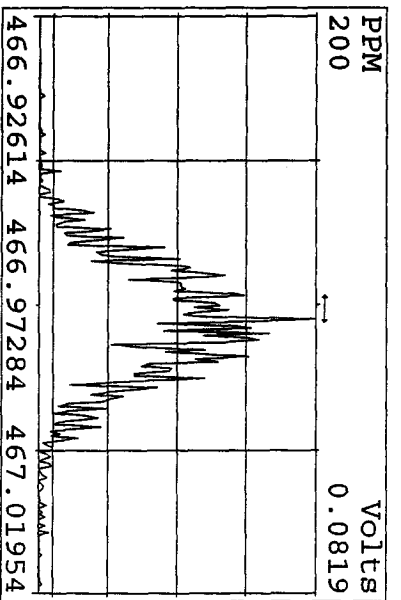
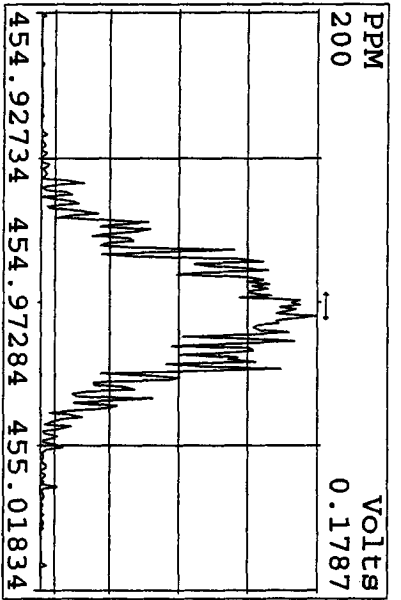
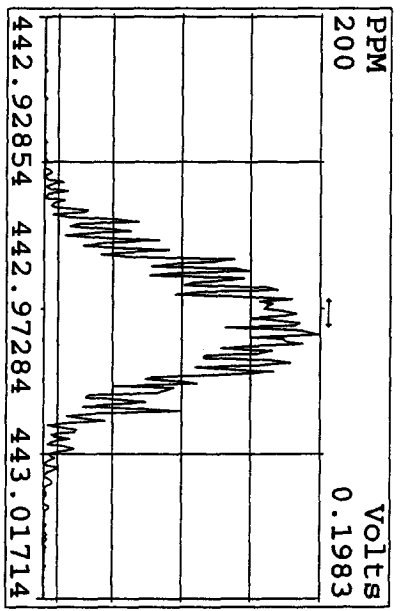
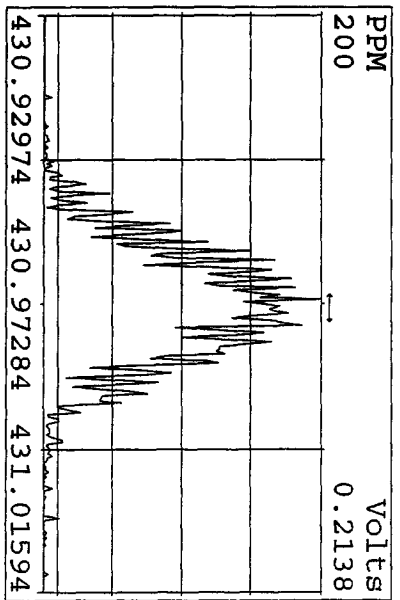
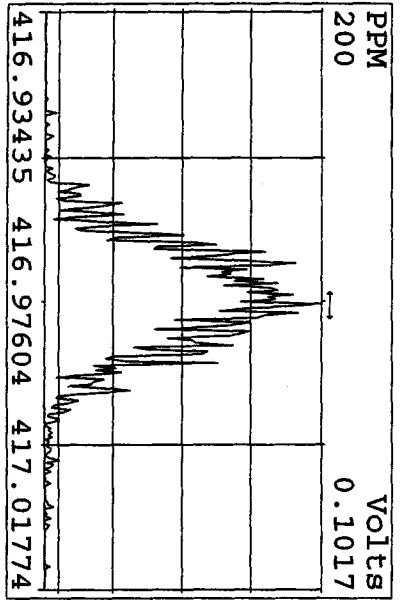
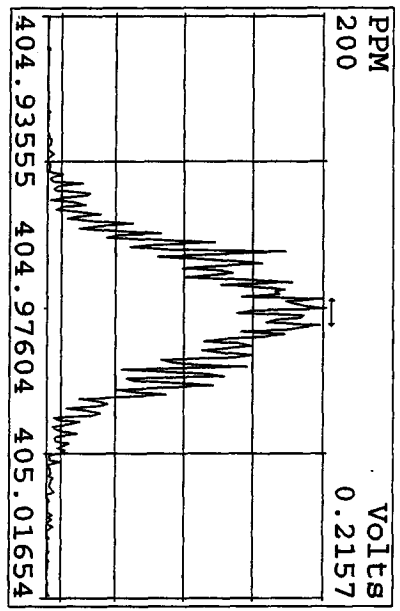
Peak Locate Examination: 29-APR-2010:09:33 File: 29AP101D5
 Experiment: DIOXINRES Function: 2 Reference: PFK



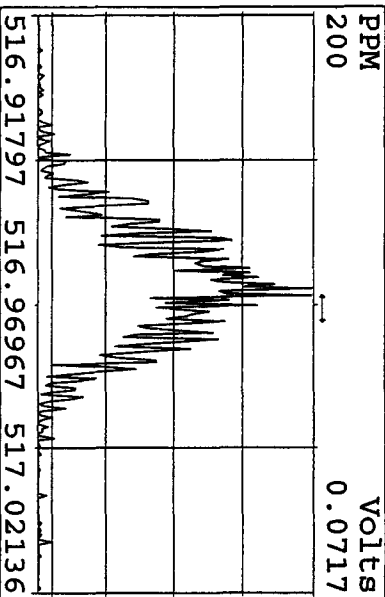
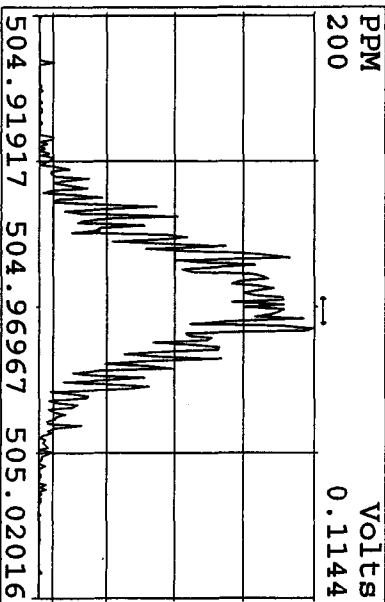
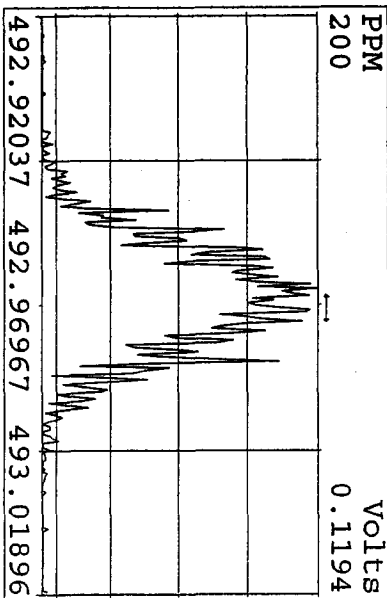
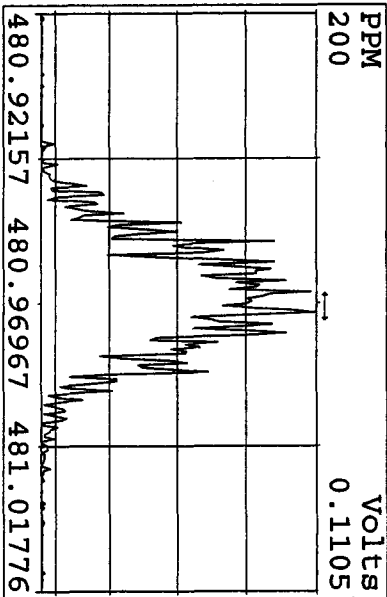
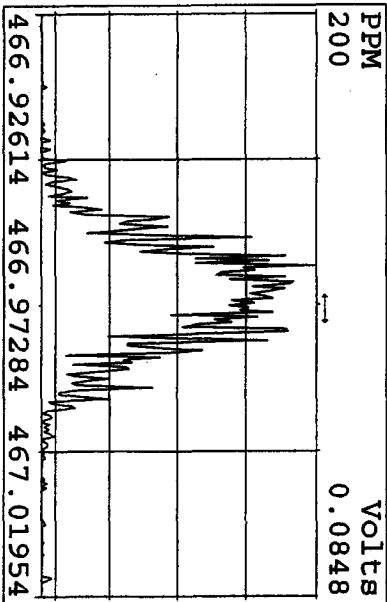
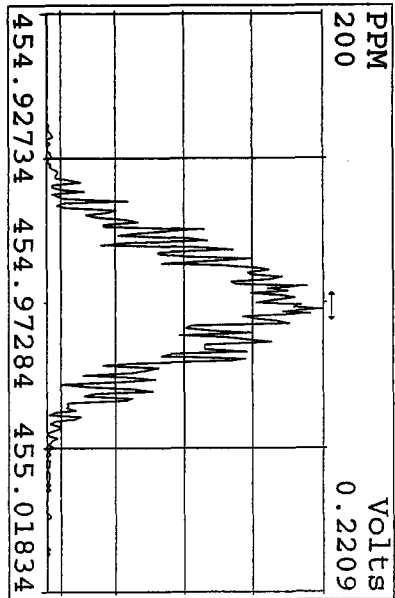
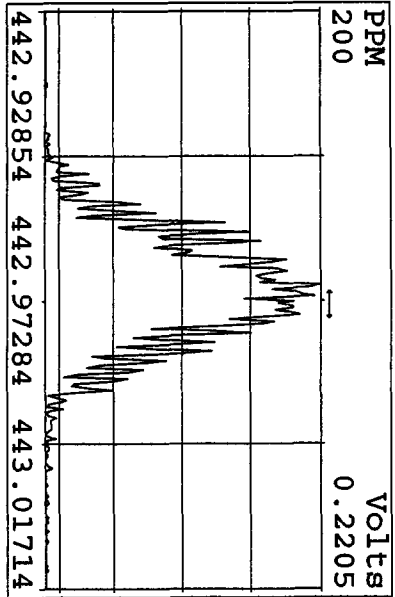
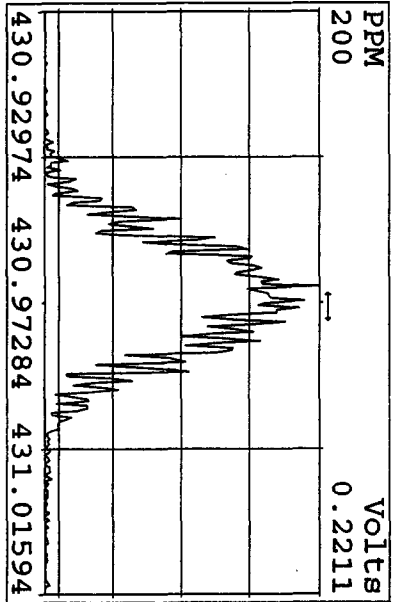
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 Experiment: DIOXINRES Function: 3 Reference: PFK



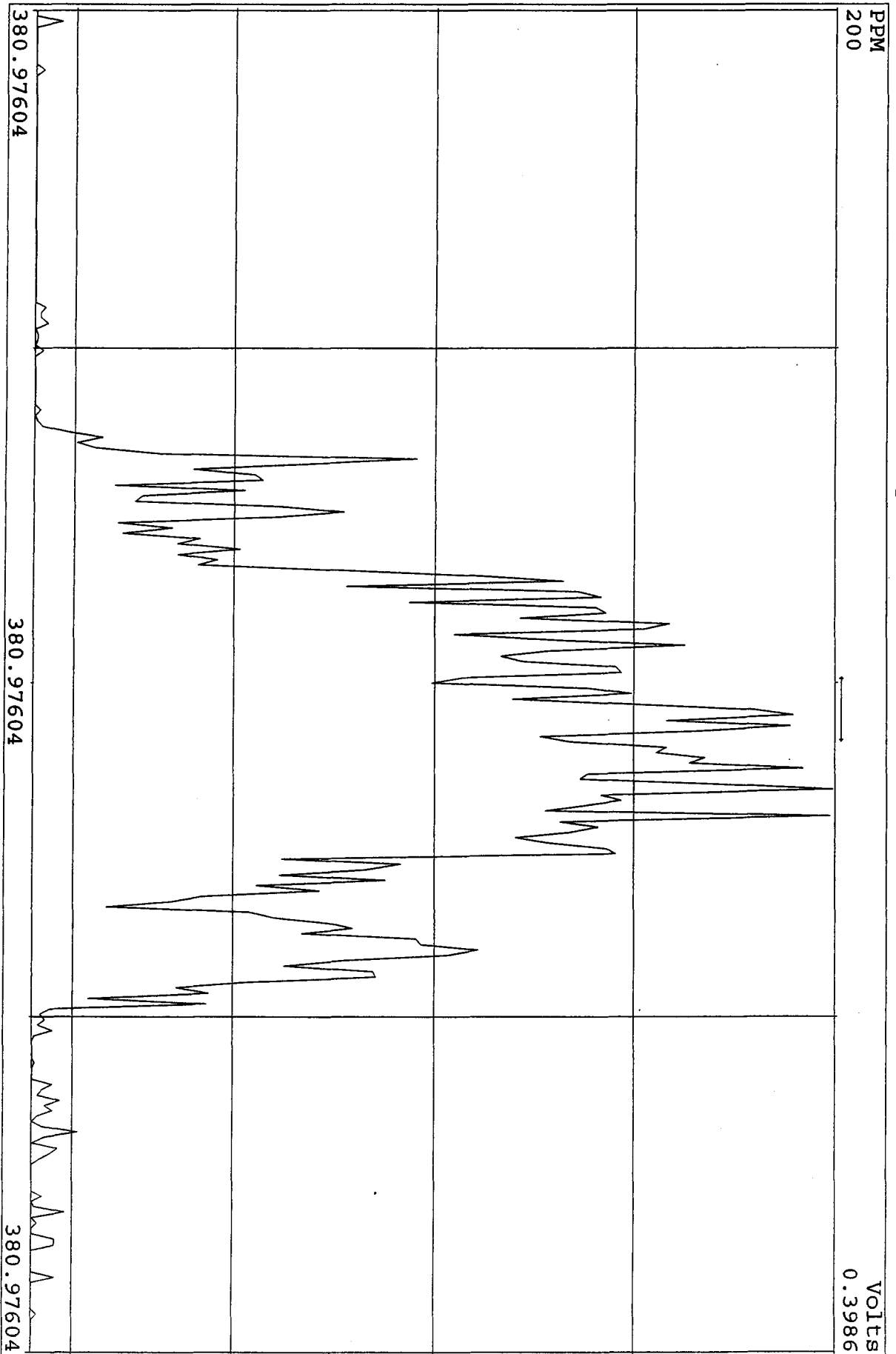
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 Experiment: DIOXINRES Function: 4 Reference: PK



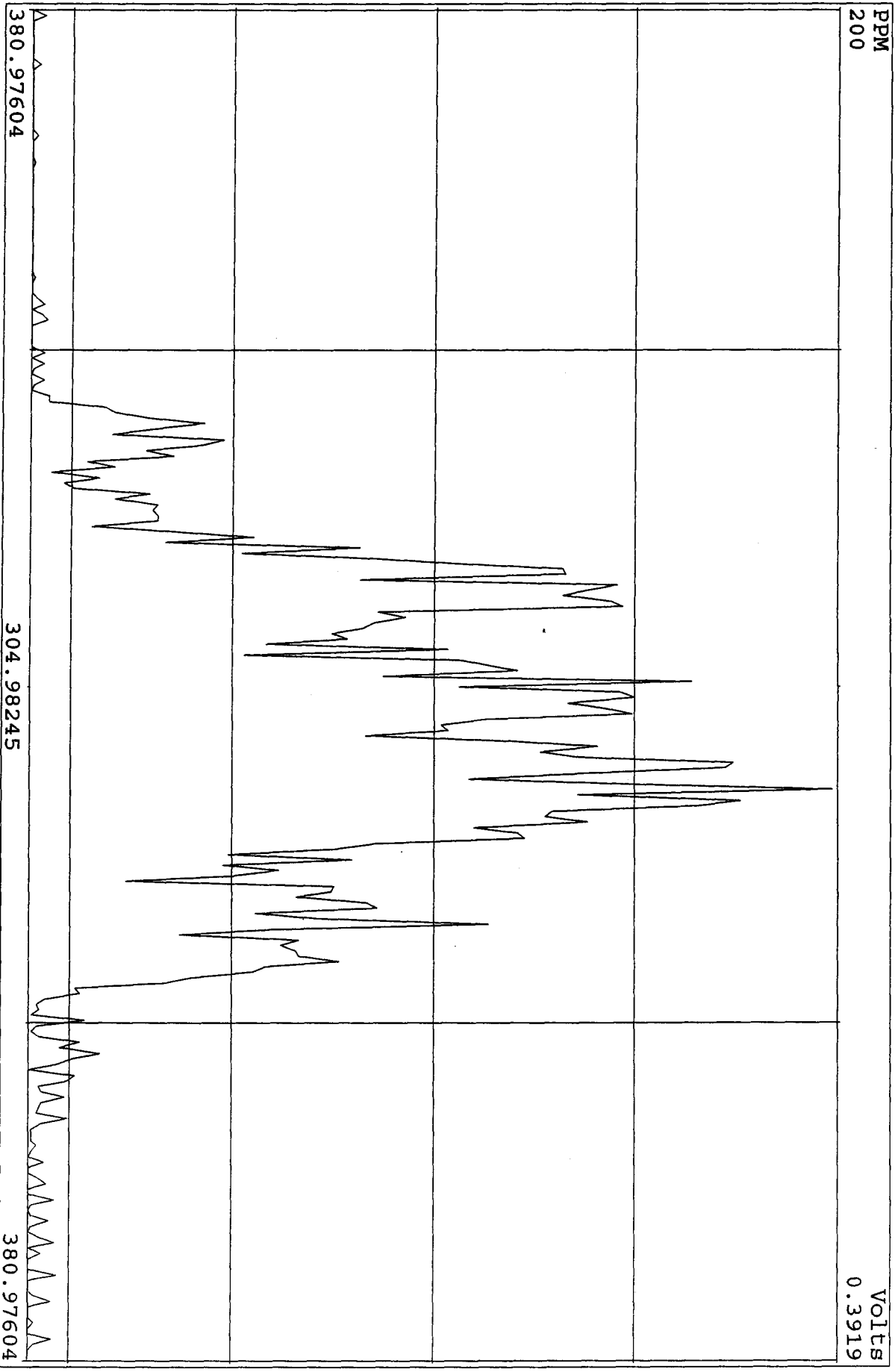
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 Experiment: DIOXINRES Function: 5 Reference: PFK



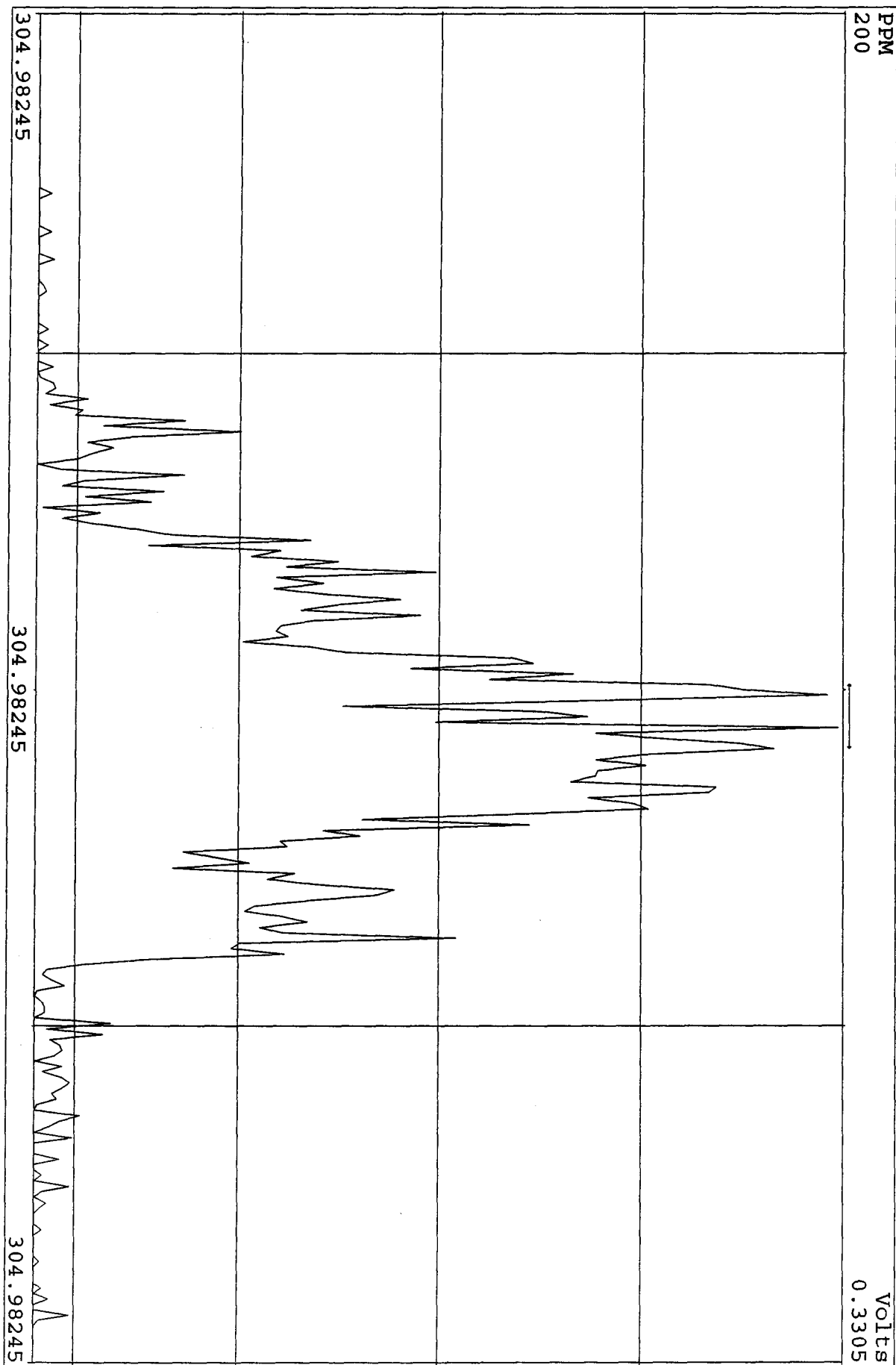
SIRLM Examination: 29-APR-2010: 21:15 File: 29AP101D5
Experiment: DIOXINRES Function: 6



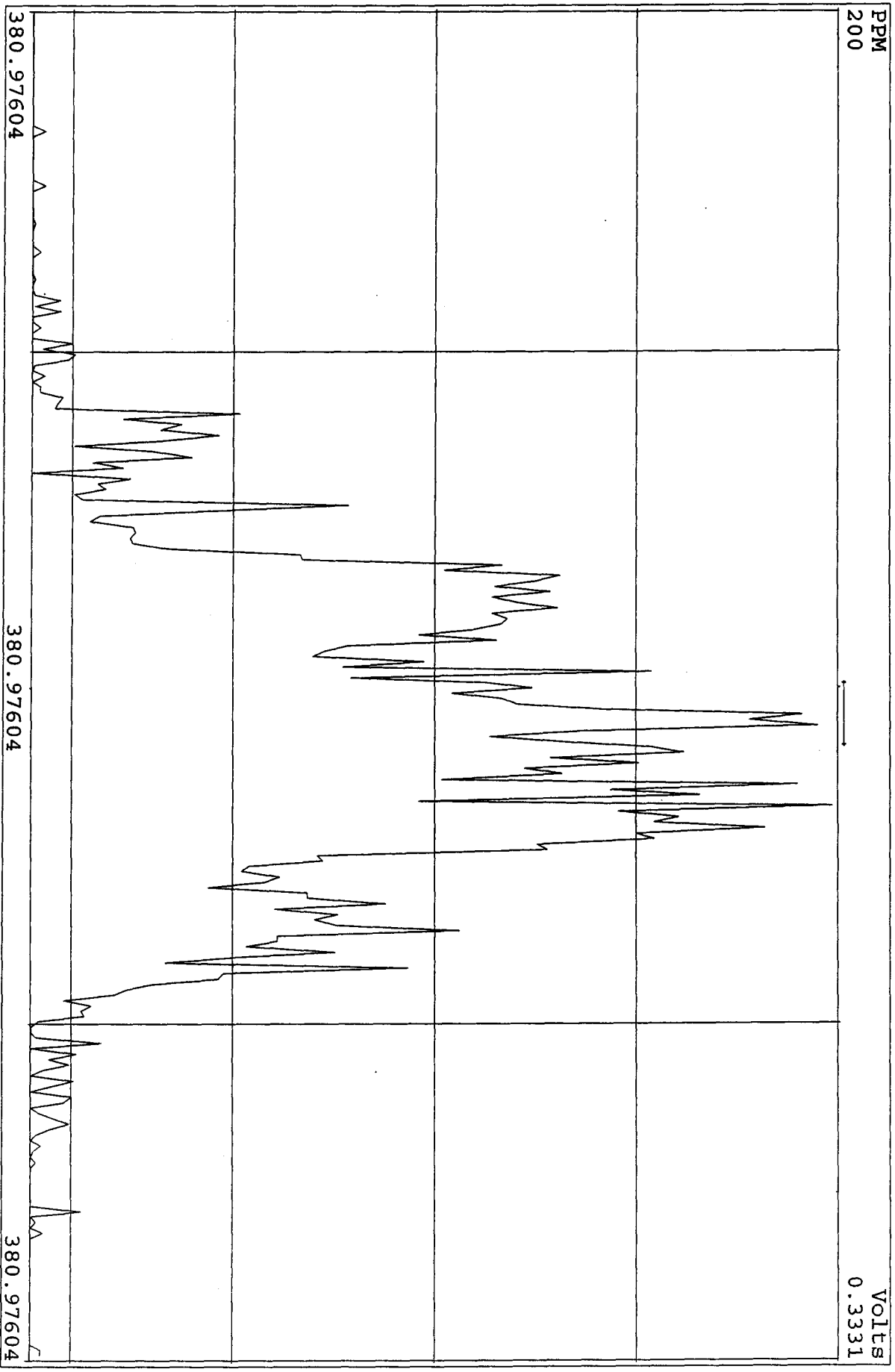
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Experiment: DIOXINRES Function: 7



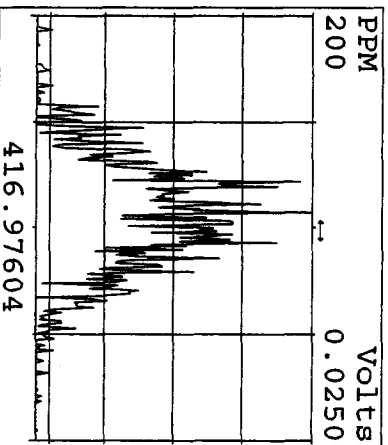
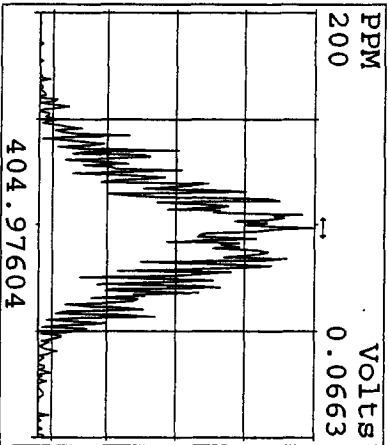
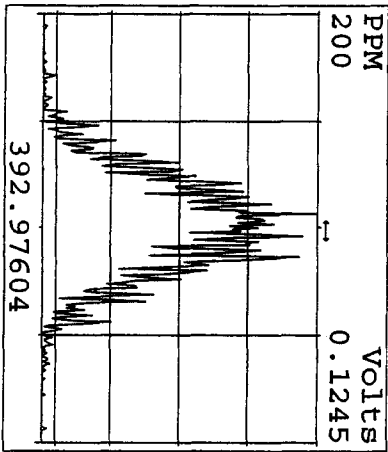
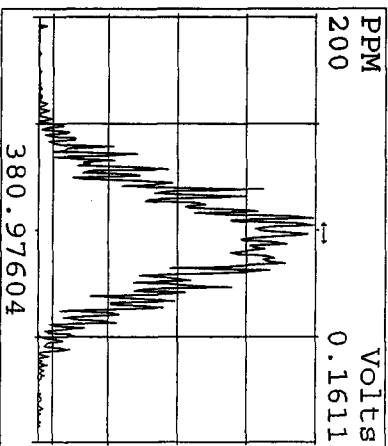
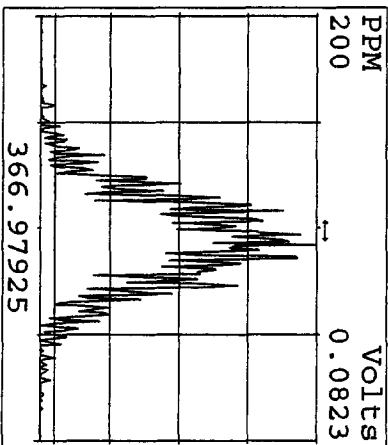
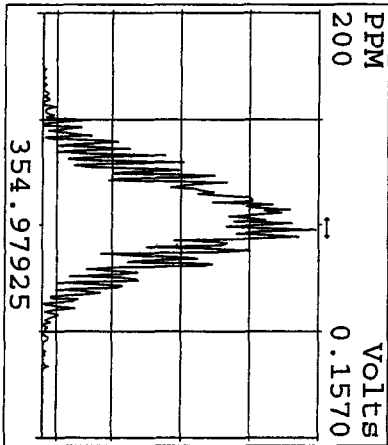
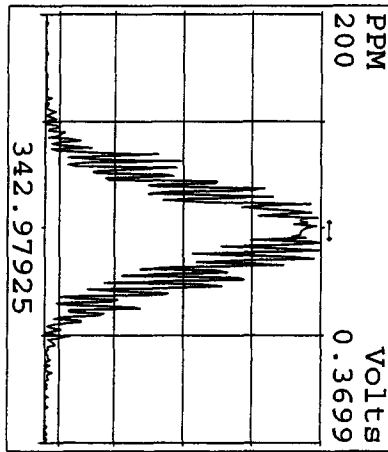
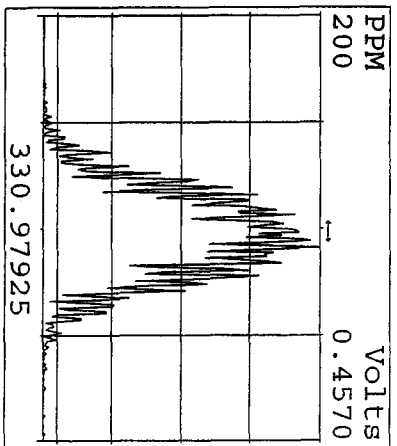
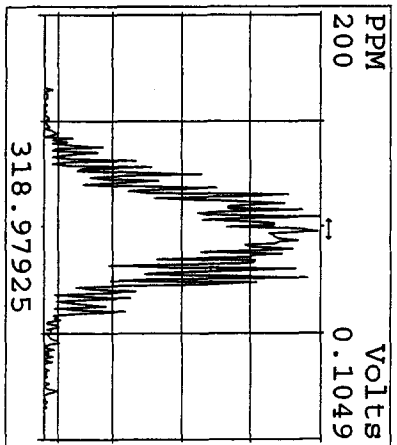
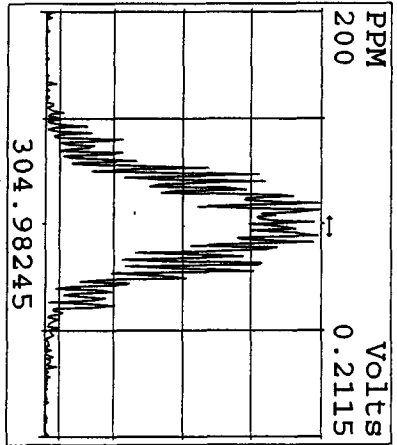
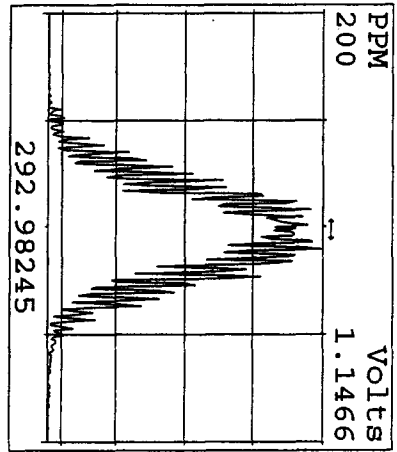
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Experiment: DIOXINRES Function: 7



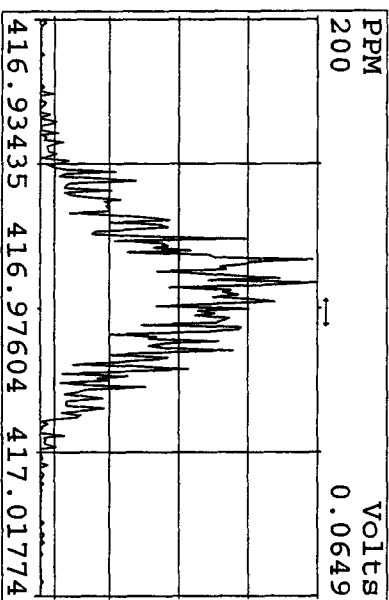
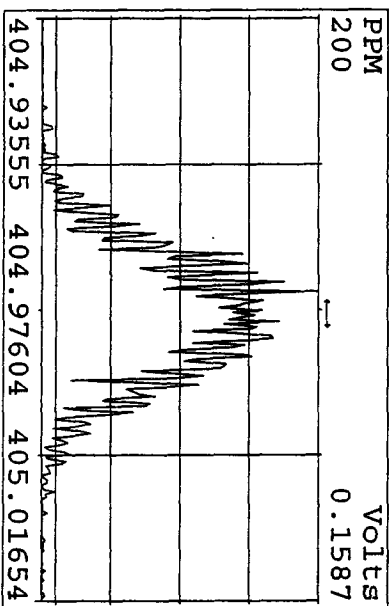
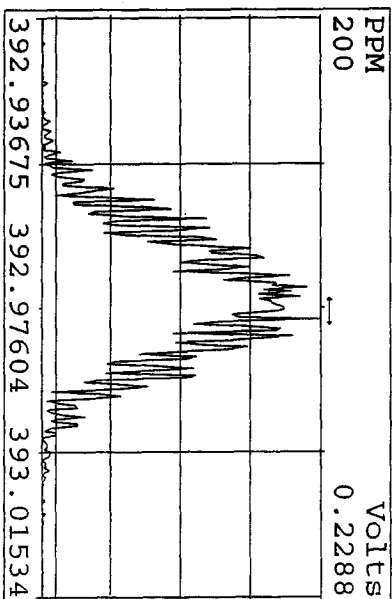
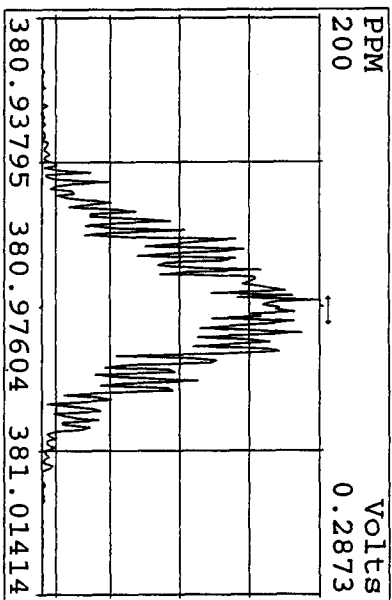
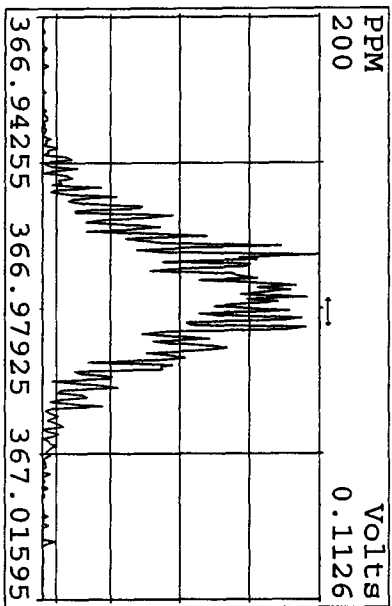
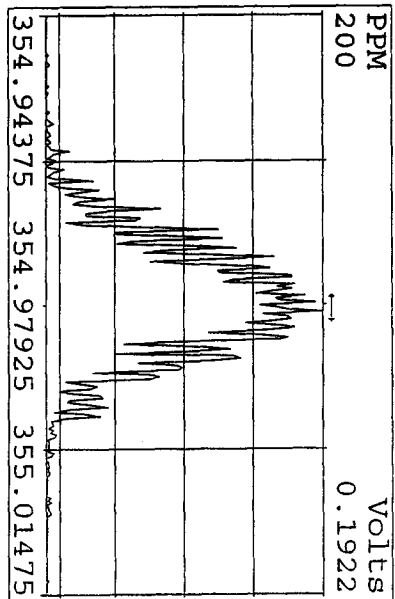
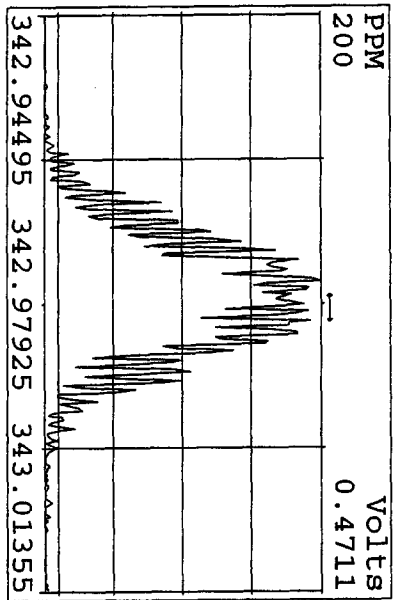
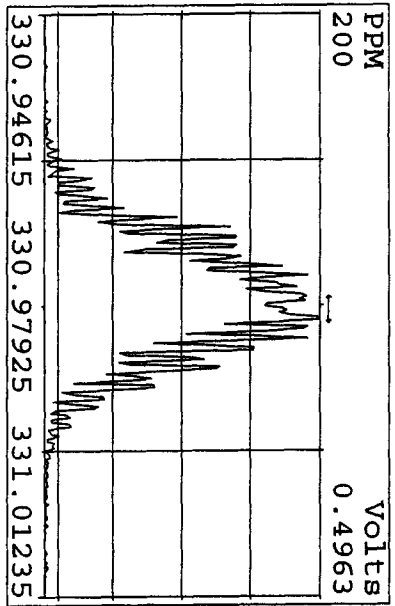
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Experiment: DIOXINRES Function: 6



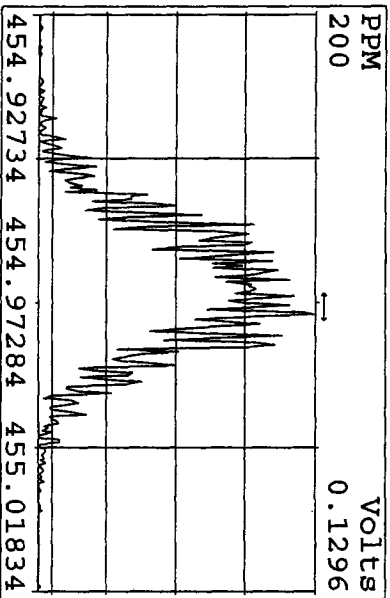
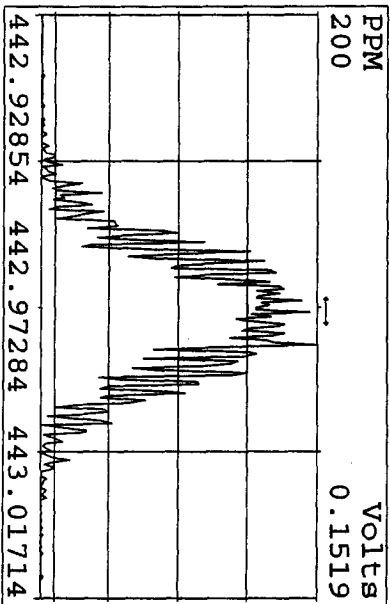
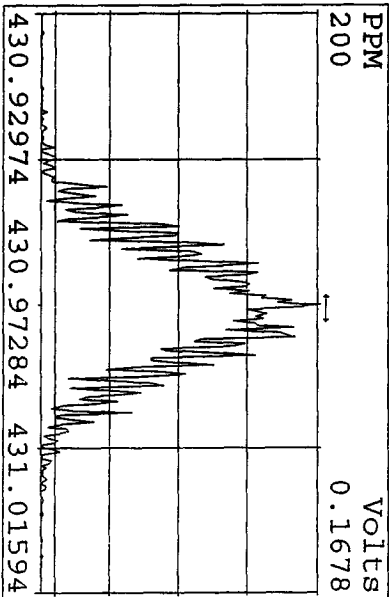
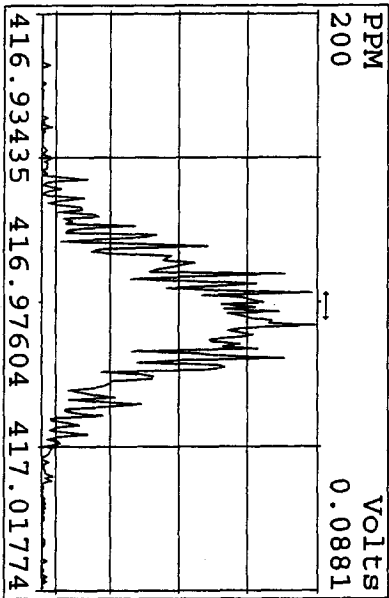
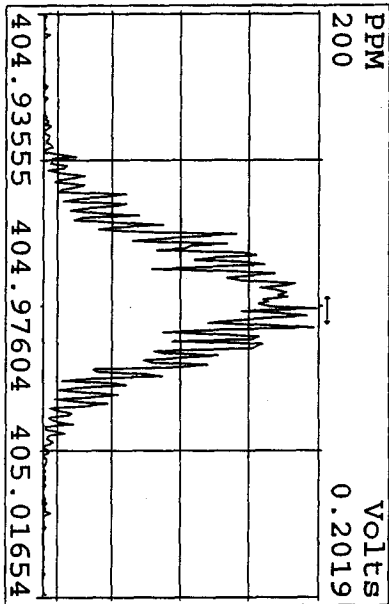
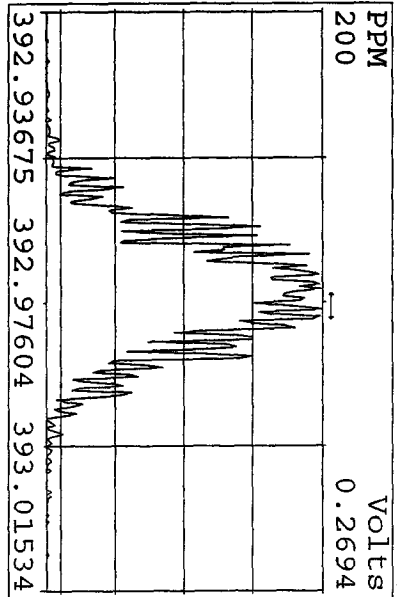
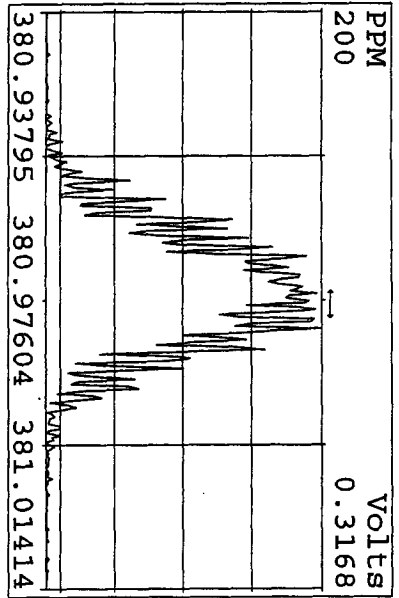
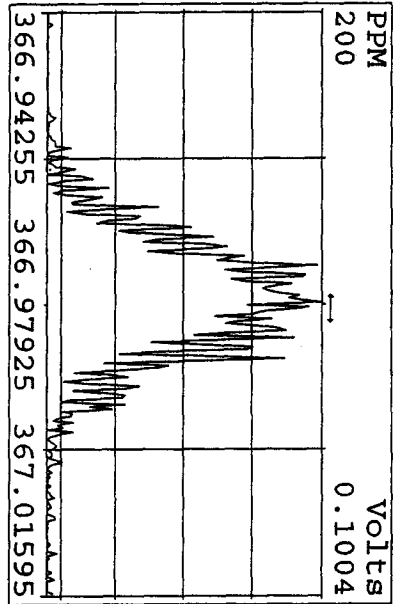
Peak Locate Examination:30-APR-2010:12:04 File:ENDRES29AP10ID5
Experiment:DIOXINRES Function:1 Reference:PK



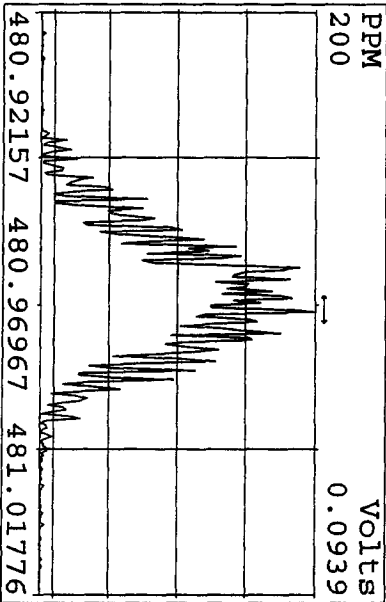
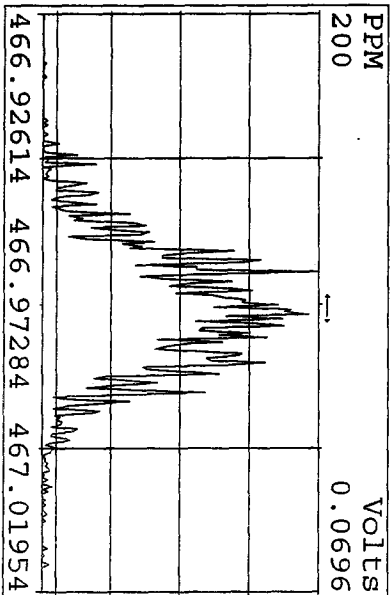
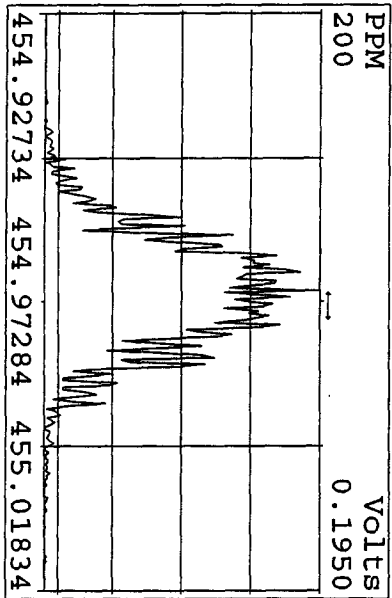
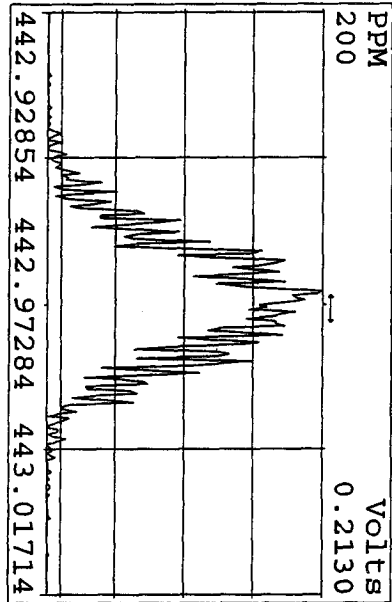
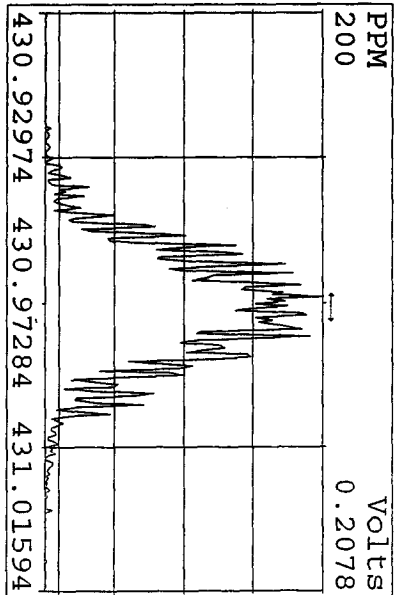
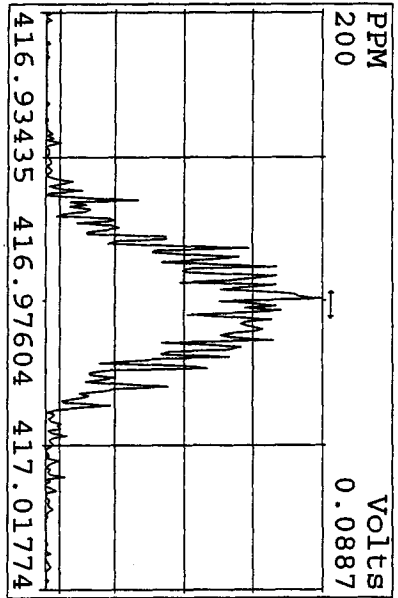
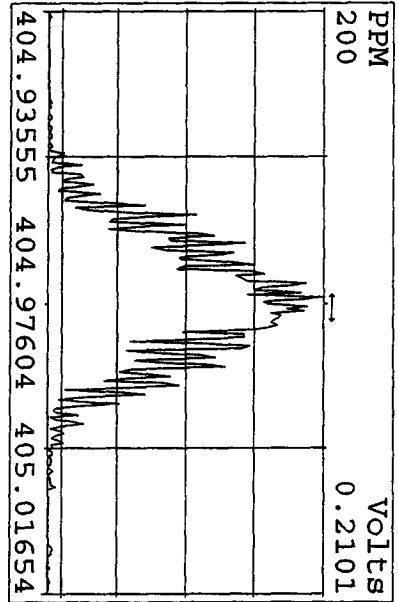
Peak Locate Examination:30-APR-2010:12:05 File:ENDRES29API01D5
 Experiment:DIOXINRES Function:2 Reference:PFK



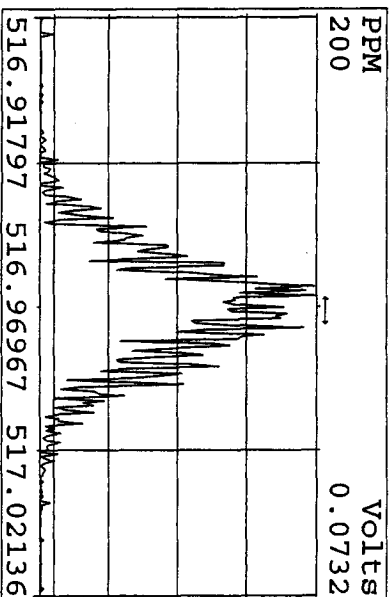
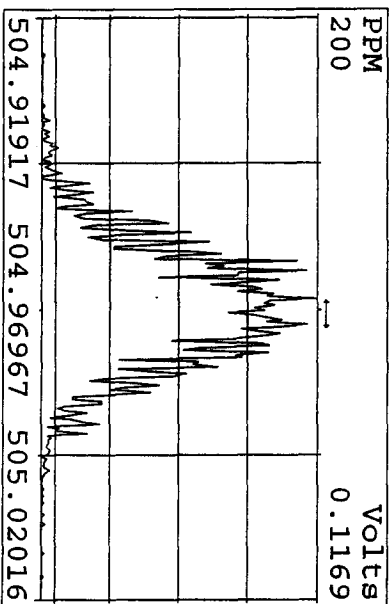
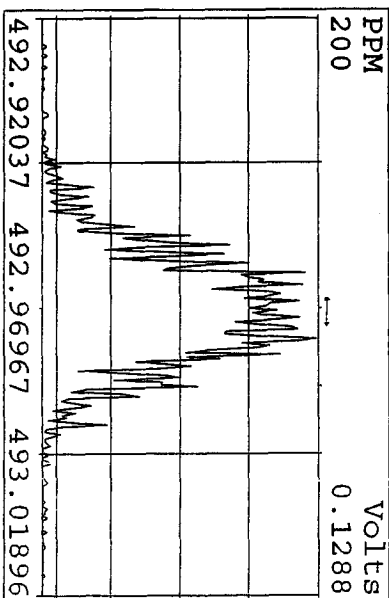
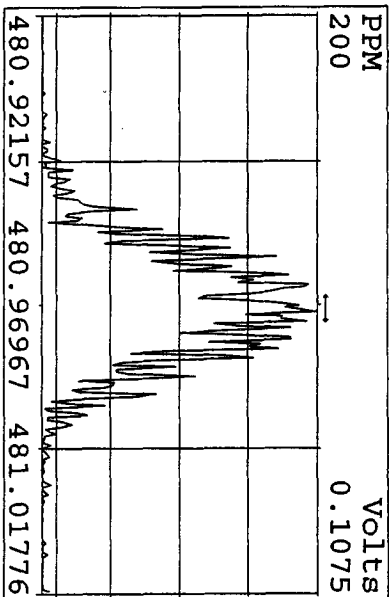
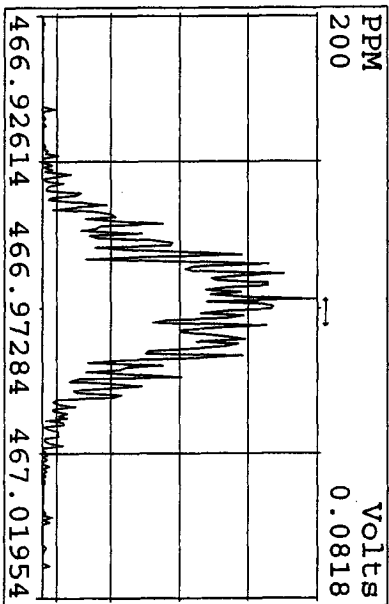
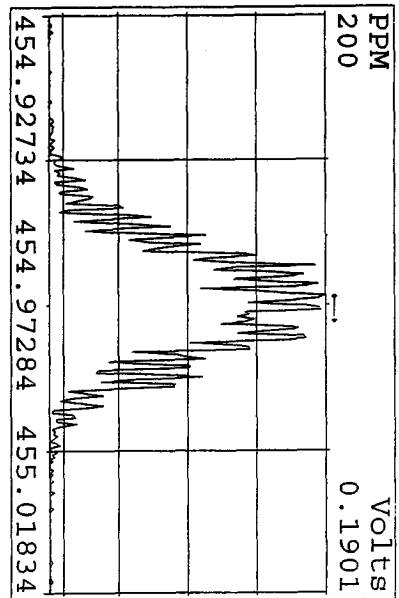
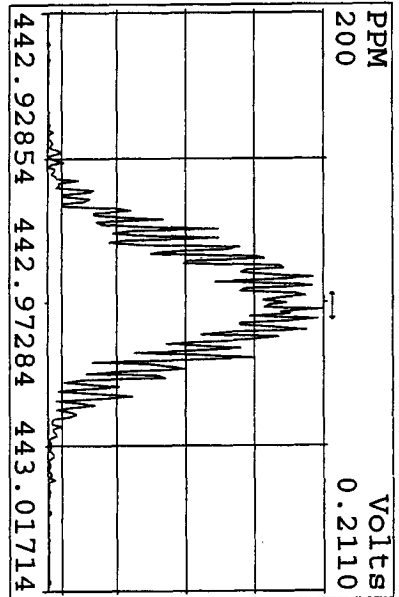
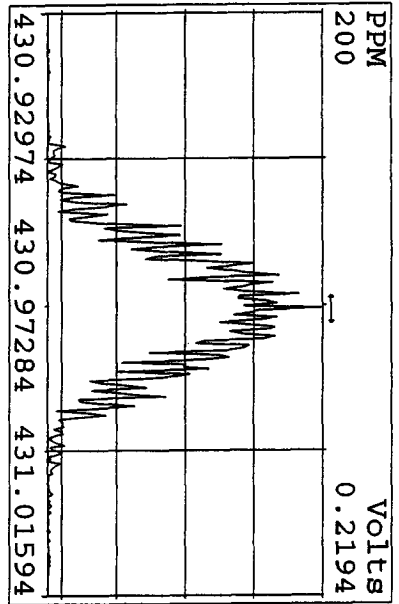
Peak Locate Examination: 30-APR-2010:12:06 File:ENDRES29AP101D5
 Experiment:DIOXINRES Function:3 Reference:PFK

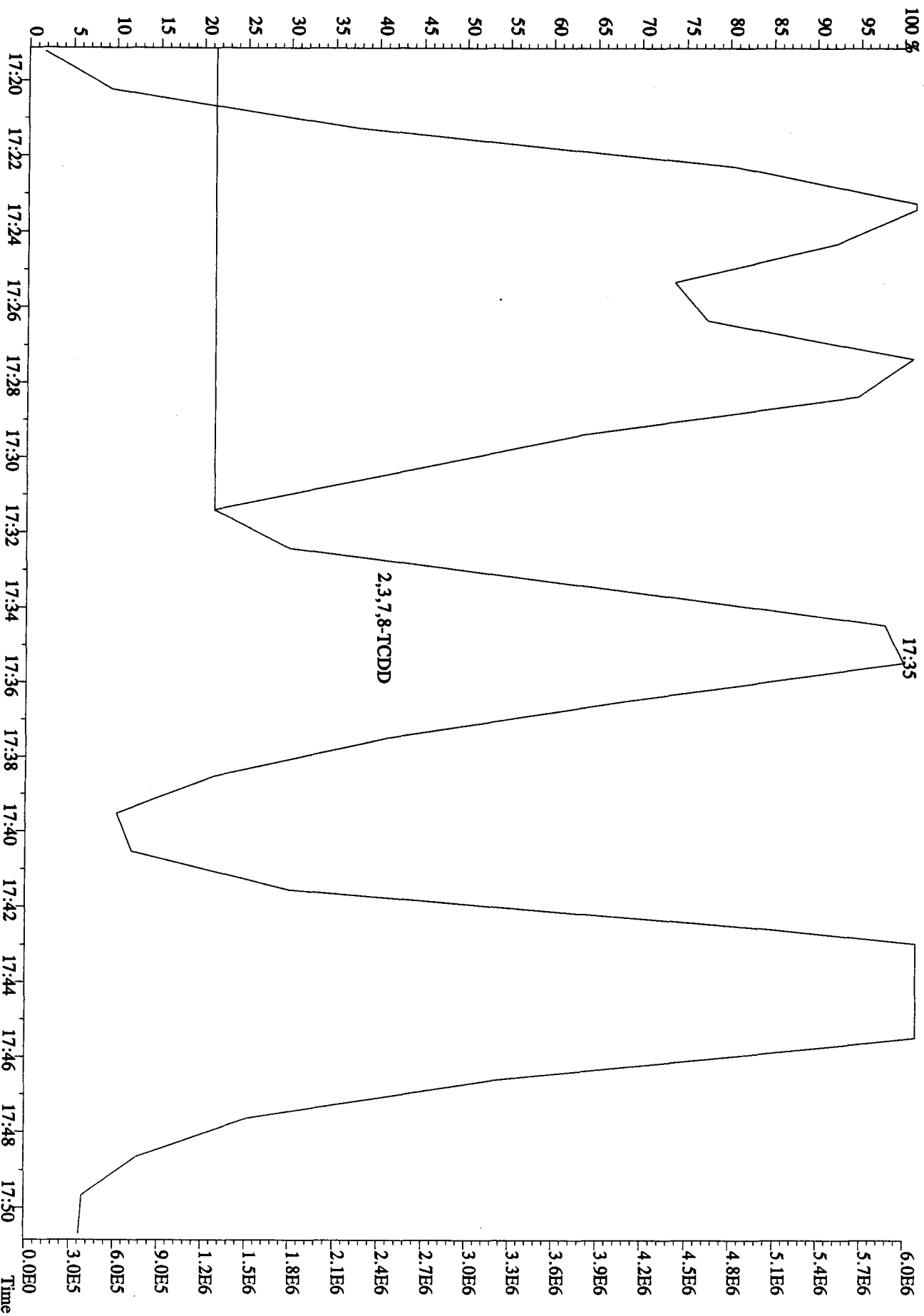


Peak Locate Examination:30-APR-2010:12:07 File:ENDRES29AP101D5
 Experiment:DIOXINRES Function:4 Reference:PFK



Peak Locate Examination: 30-APR-2010:12:07 File:ENDRESS29AP101D5
 Experiment: DIOXINRES Function: 5 Reference: PFK





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

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

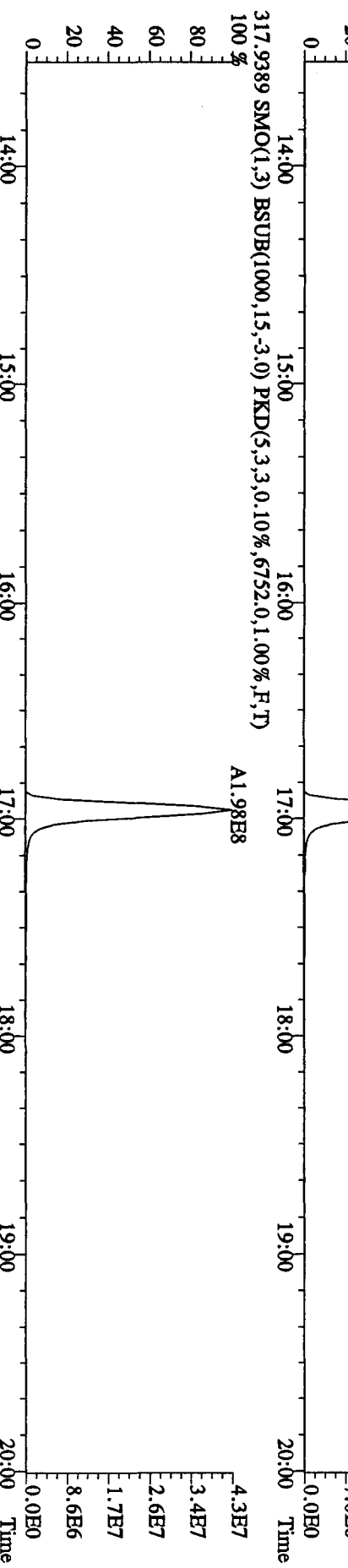
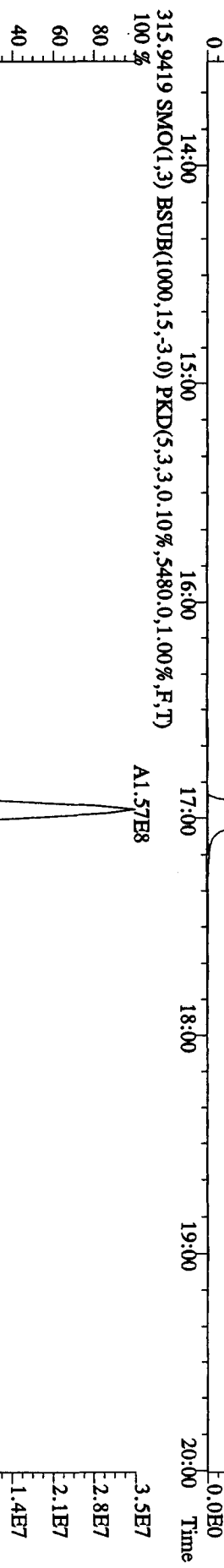
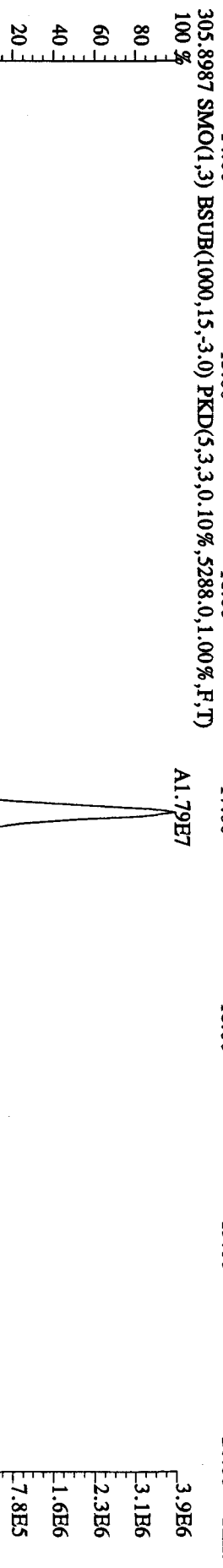
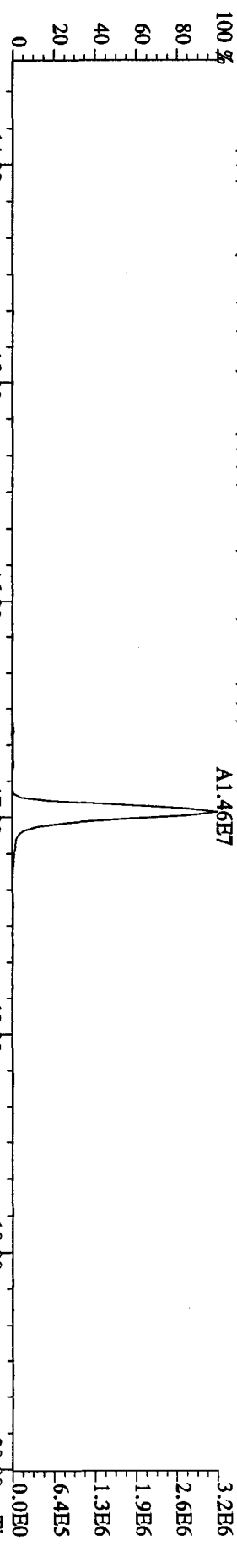
Total HxCDF 1.285 0.174 13.5 % 1.03 1.18 1.39 1.44 1.38

13C-1,2,3,6,7,8-HxCDD 0.732 0.084 11.4 % 0.83 0.69 0.75 0.61 0.78

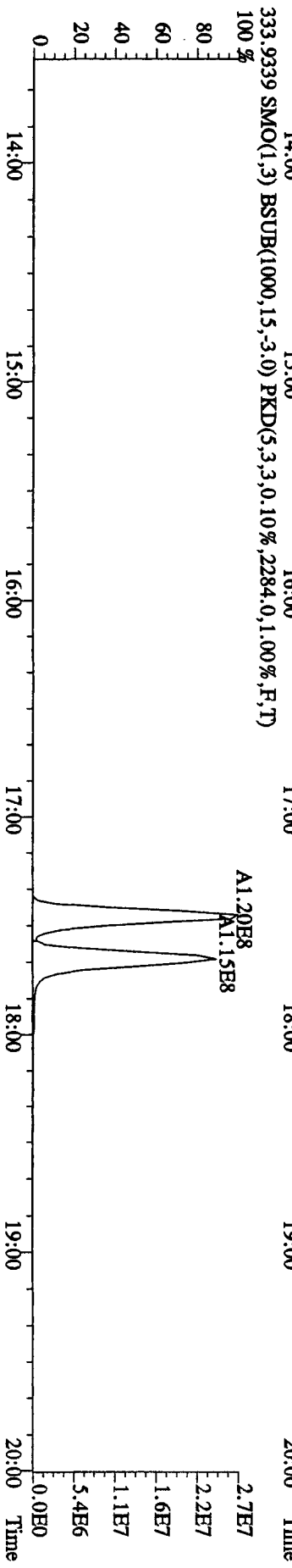
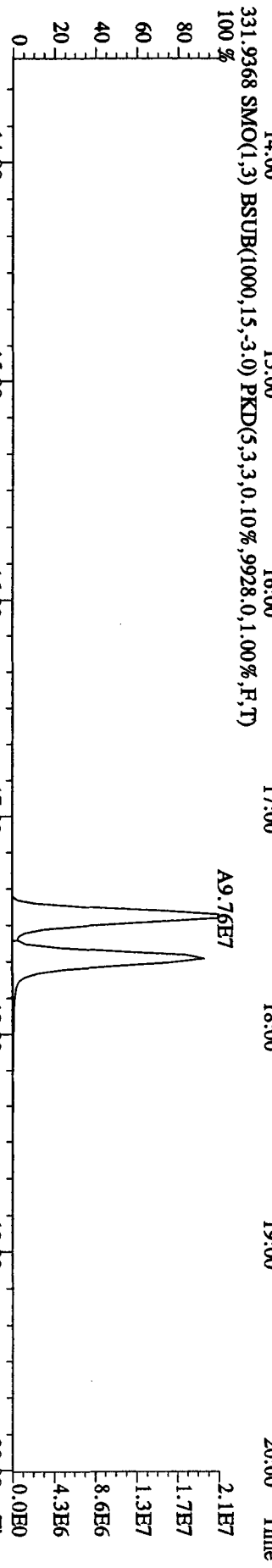
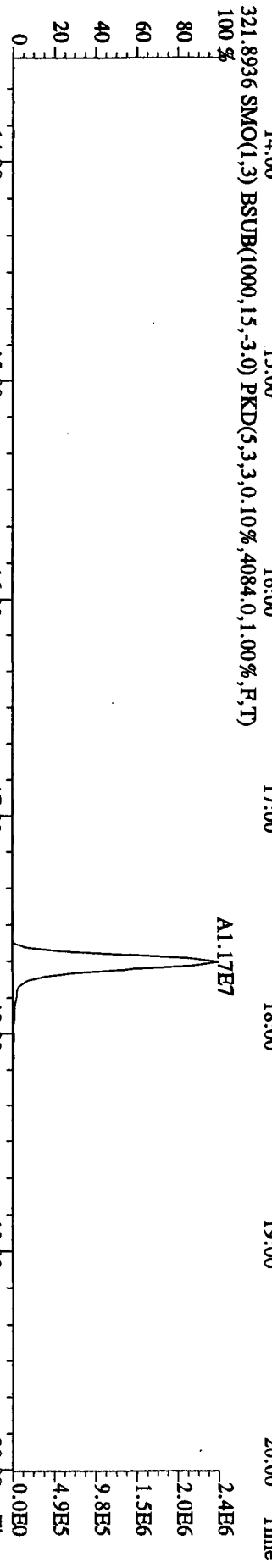
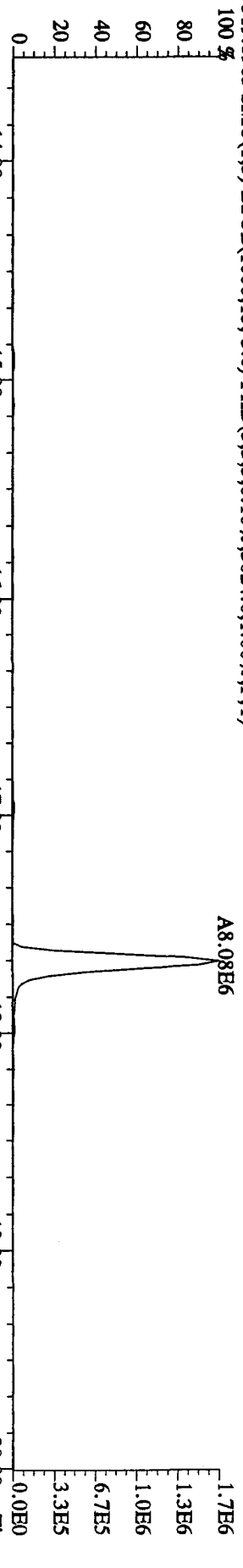
1,2,3,4,7,8-HxCDD 0.970 0.170 17.5 % 0.74 0.88 0.98 1.15 1.11

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

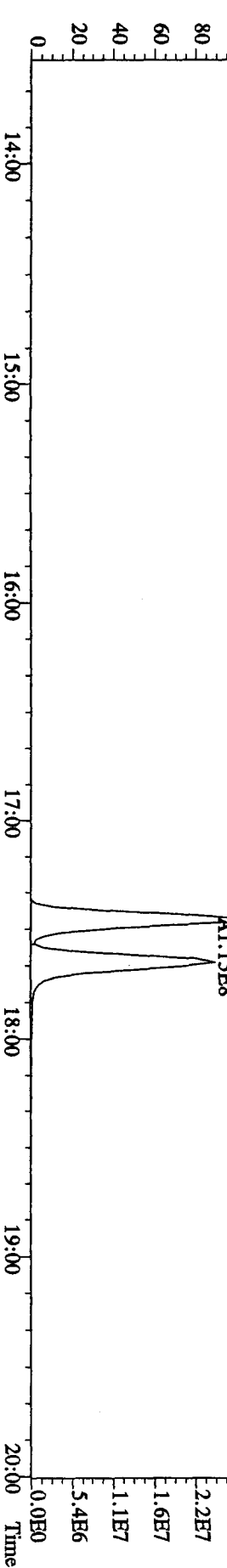
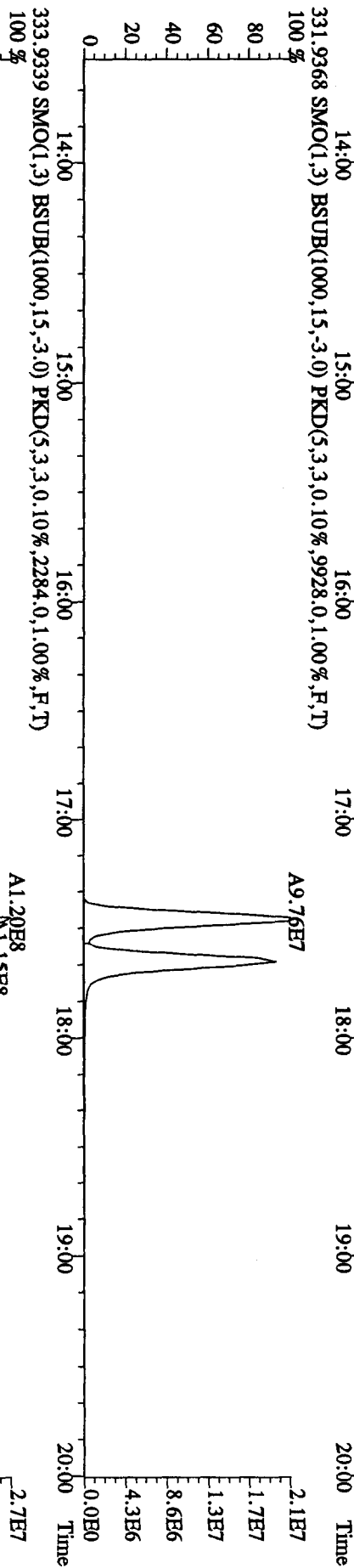
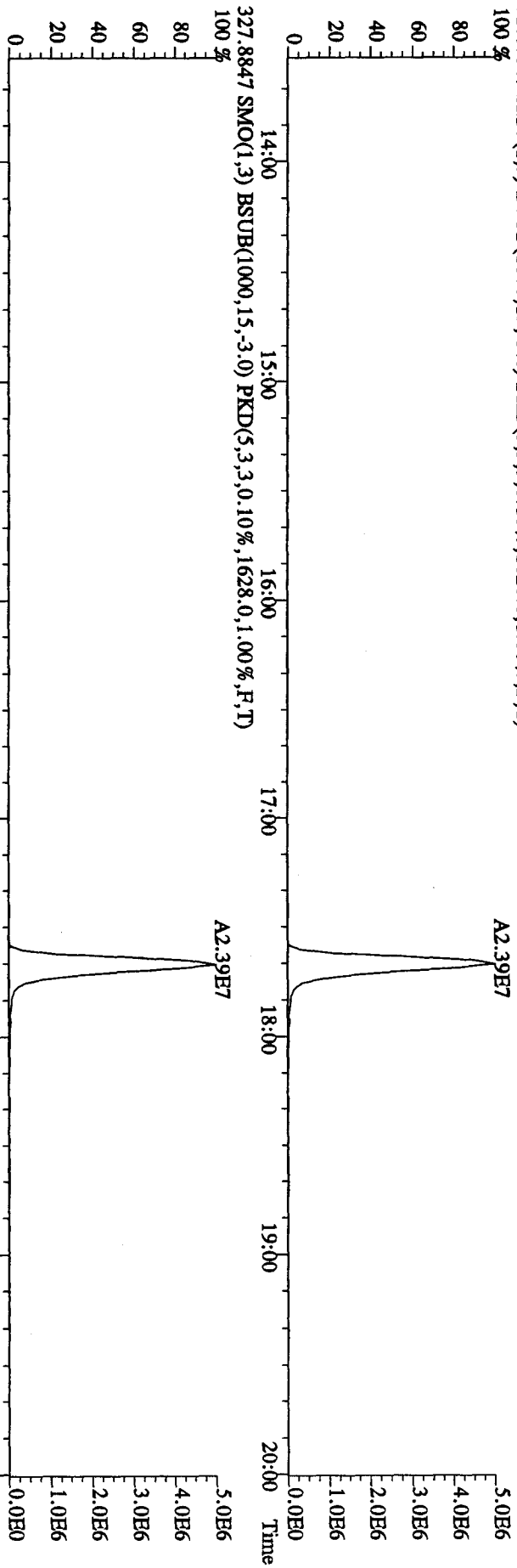
File: 29AP101D5 #1-384 Acq: 29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0429 :CS3 10DXN111 Exp: DIOXINRES
 303,9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2760,0,1,00%,F,T)
 100%



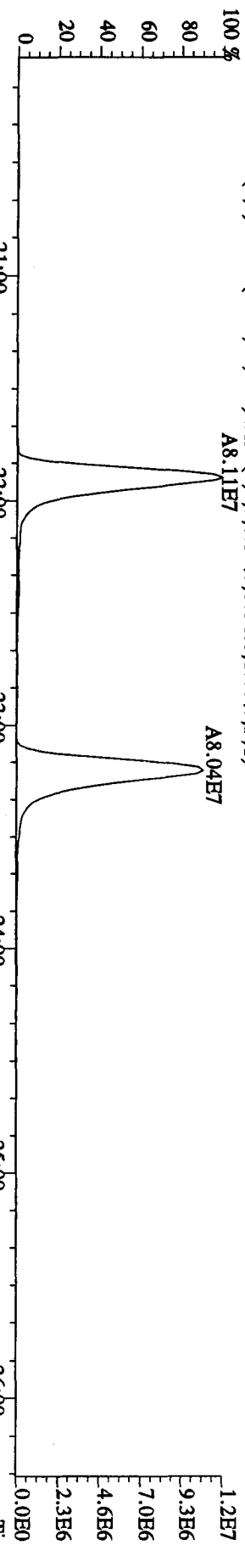
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3024,0,1.00%,F,T)
 100%



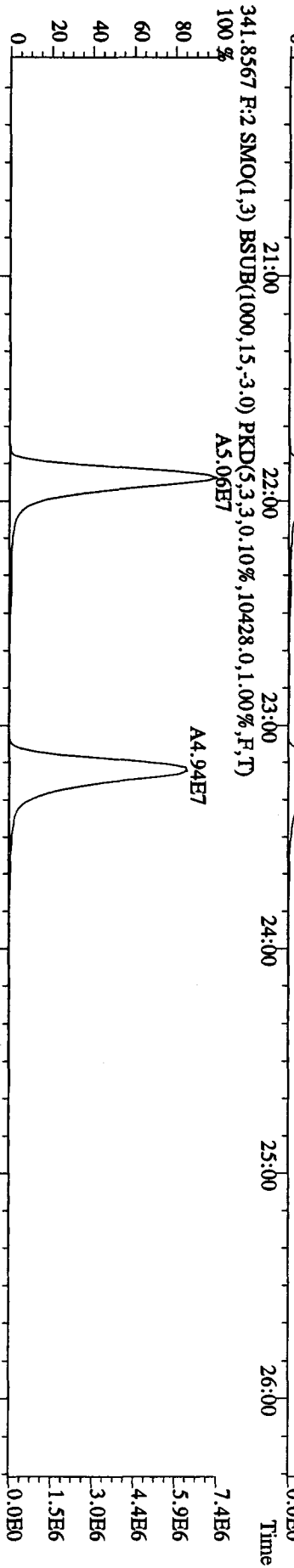
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC HI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DDXN111 Exp.:DIOXINRES
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1628.0,1.00%,F,T)
 100 %



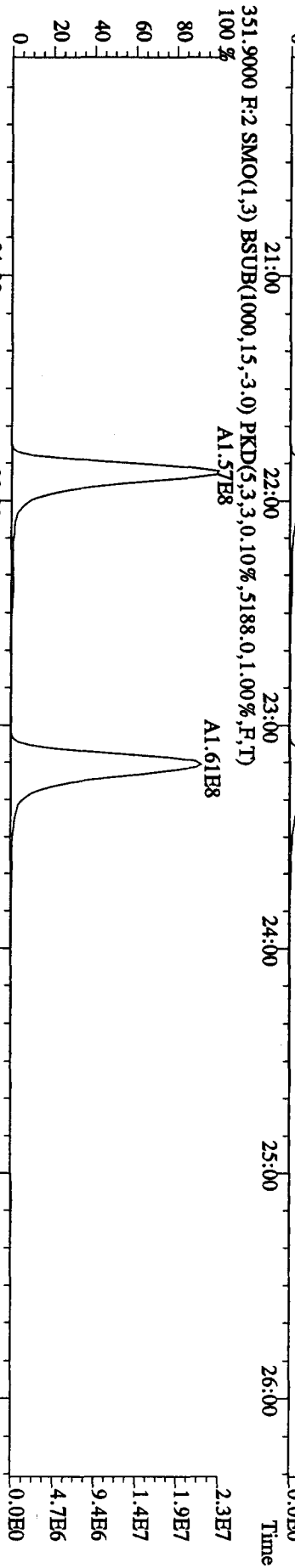
File:29AP101D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8796,0,1,00%,F,T)
100 %



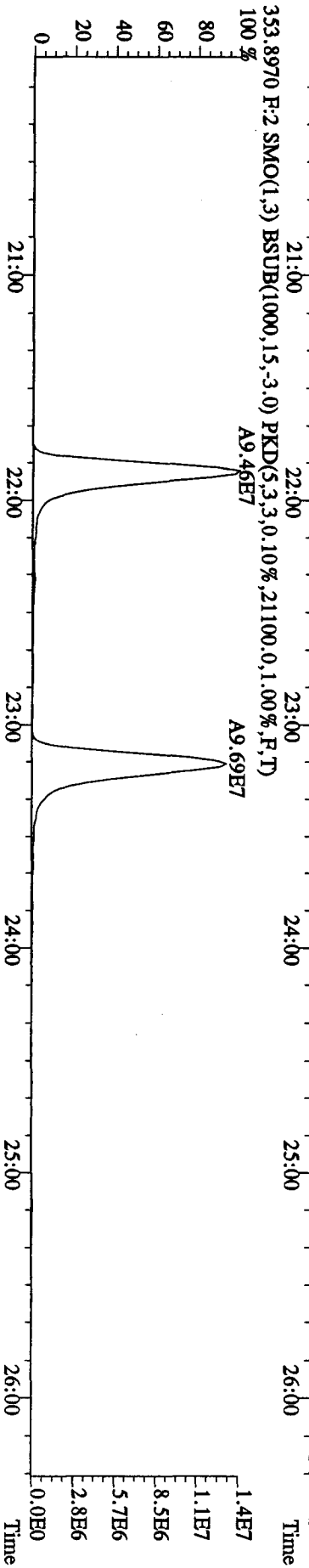
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10428,0,1,00%,F,T)
100 %



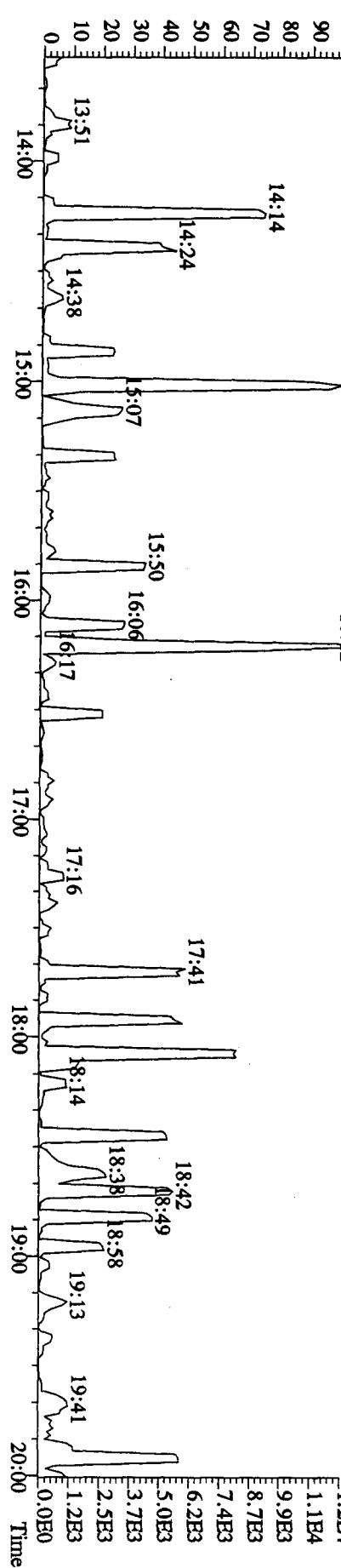
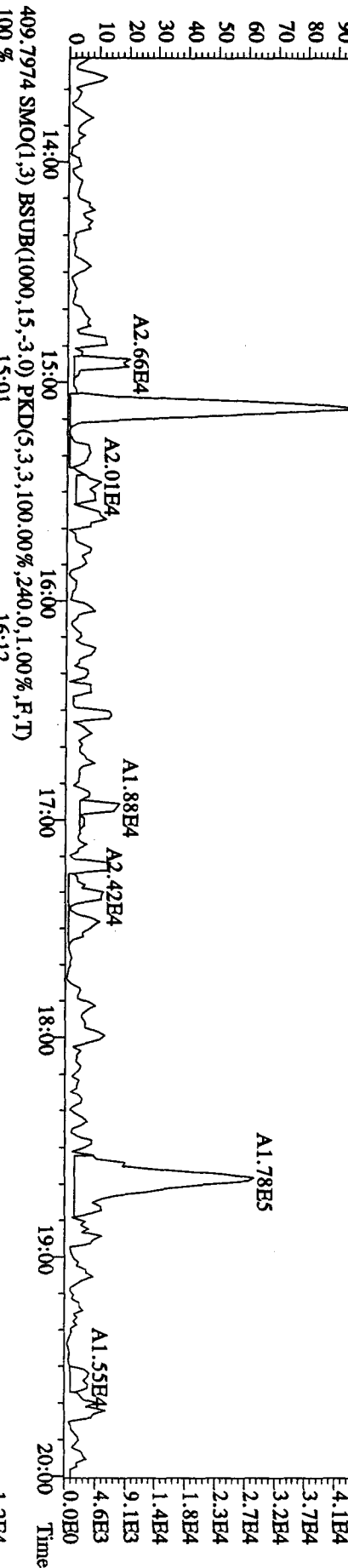
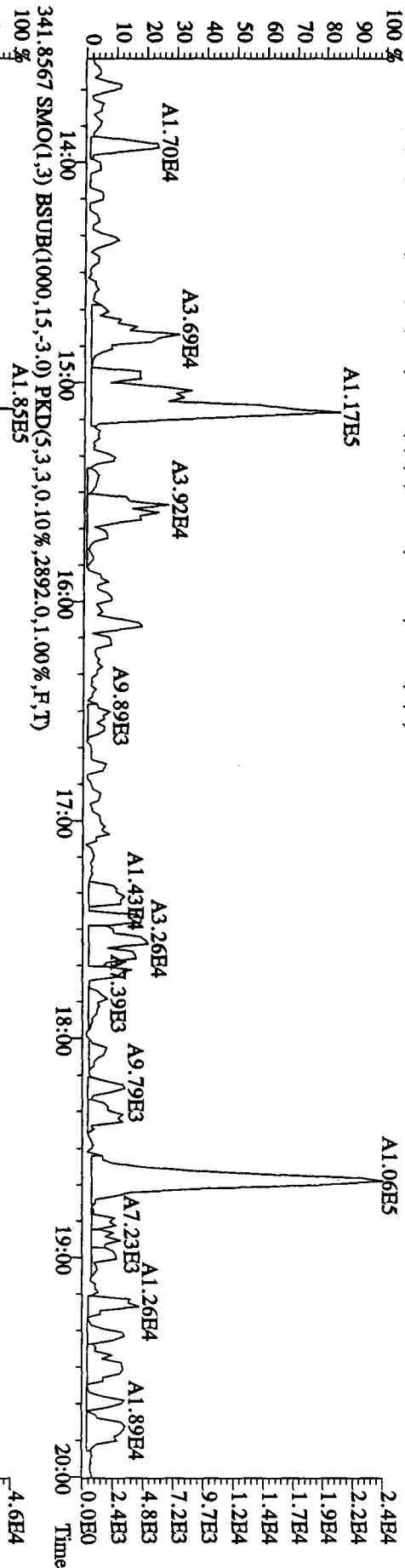
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5188,0,1,00%,F,T)
100 %



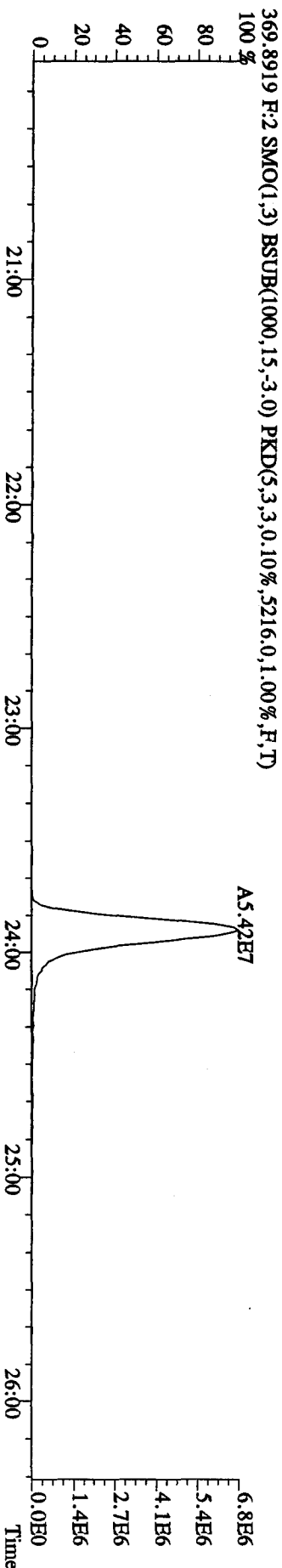
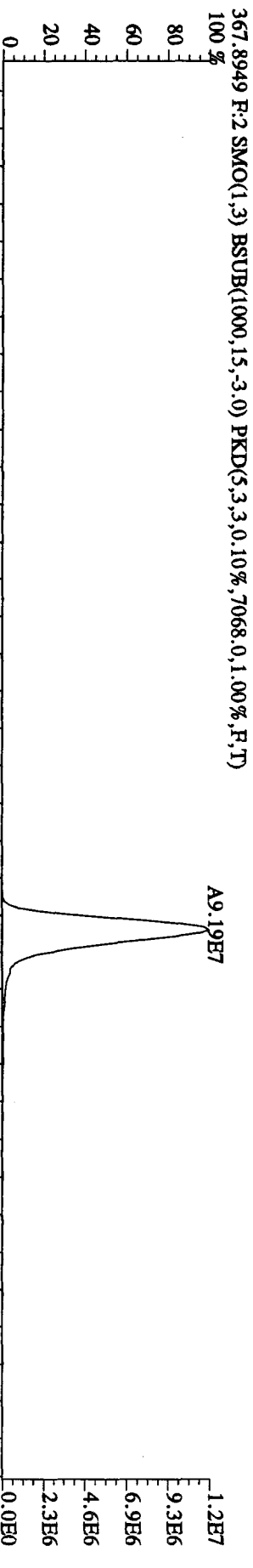
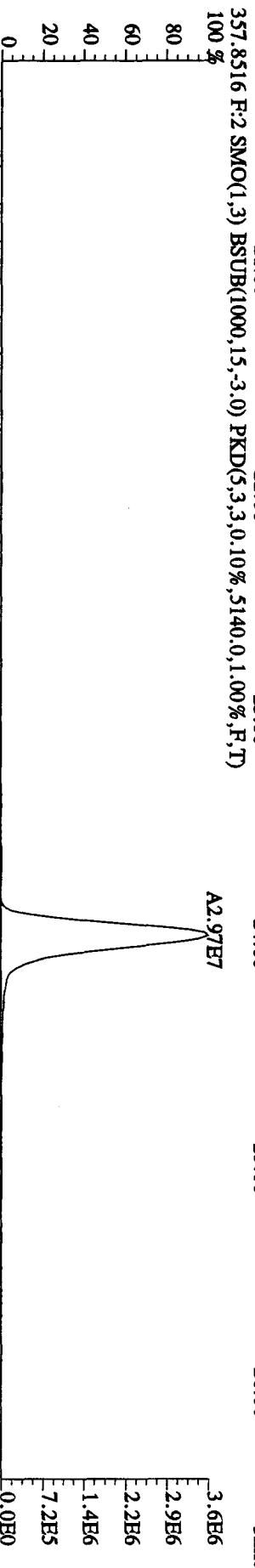
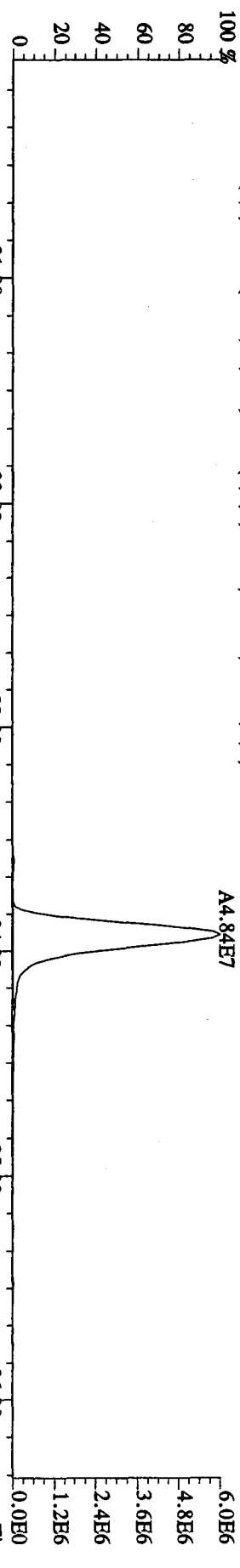
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21100,0,1,00%,F,T)
100 %



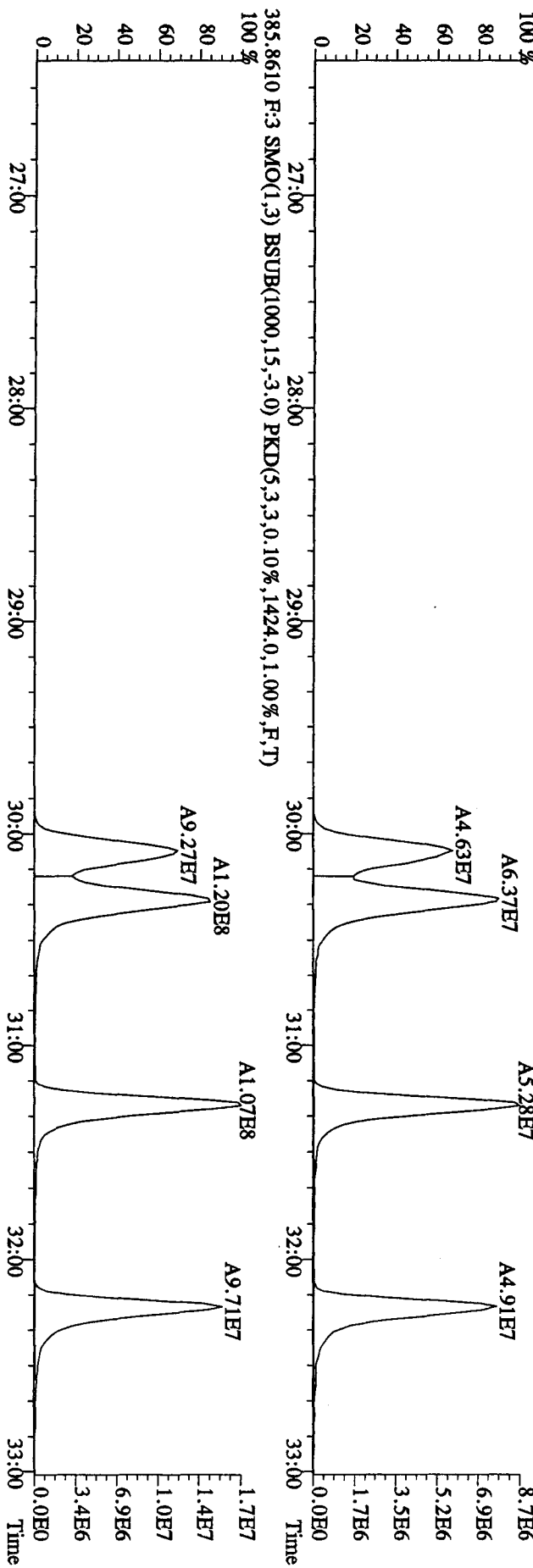
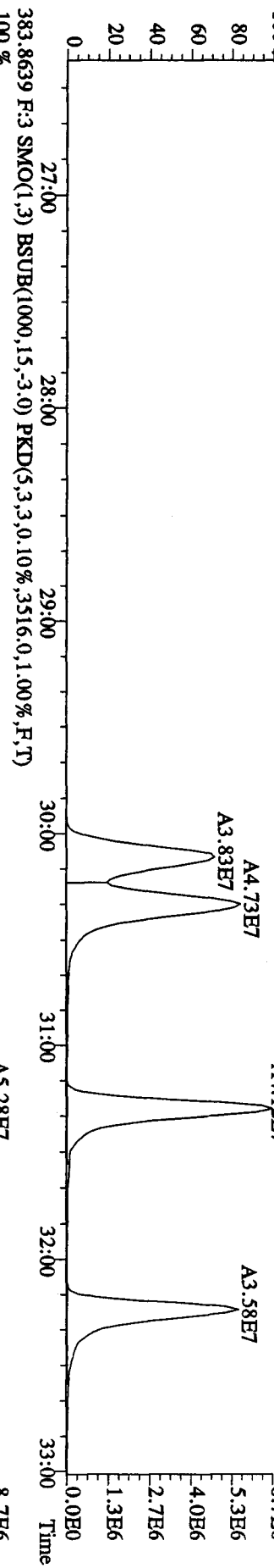
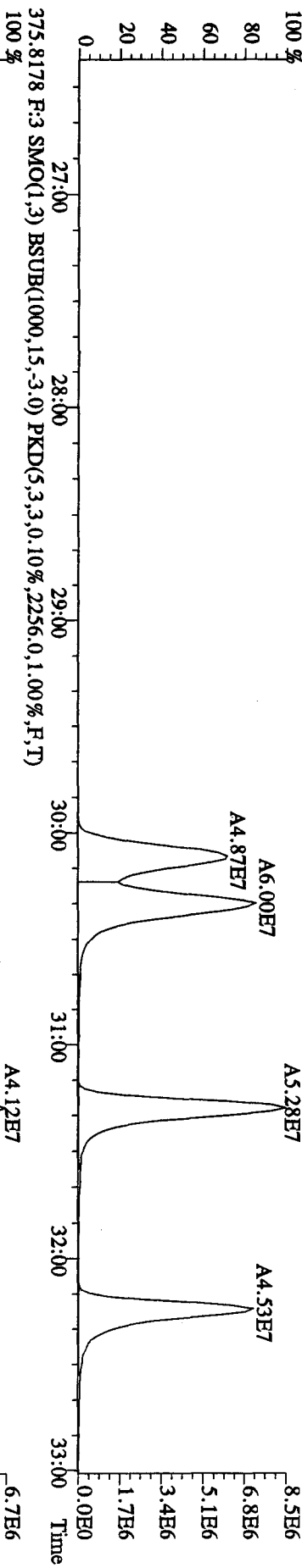
File: 29AP101D5 #1-384 Acq: 29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0429 :CS3 10DXN111 Exp: DIOXINRES
 339.8597 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1088,0,1,00%,F,T)



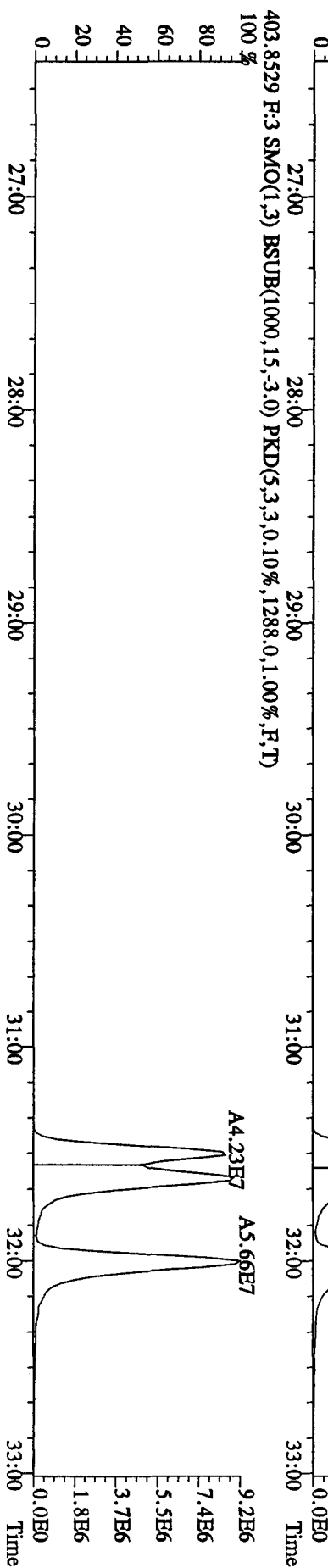
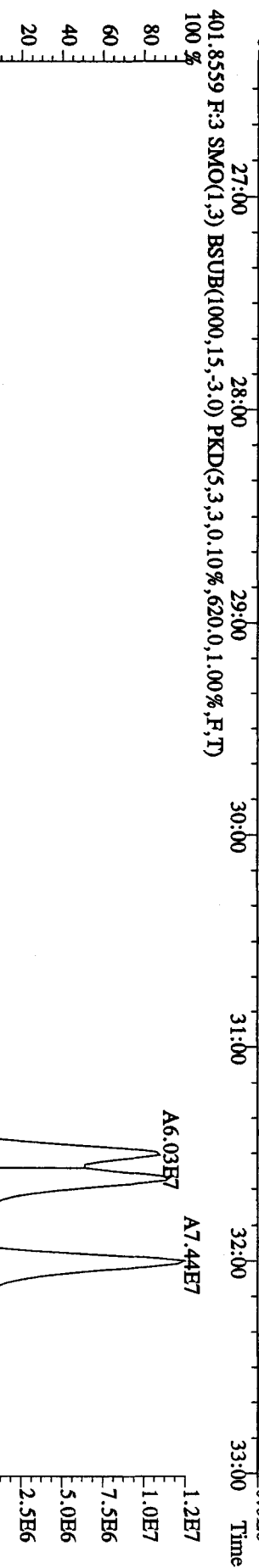
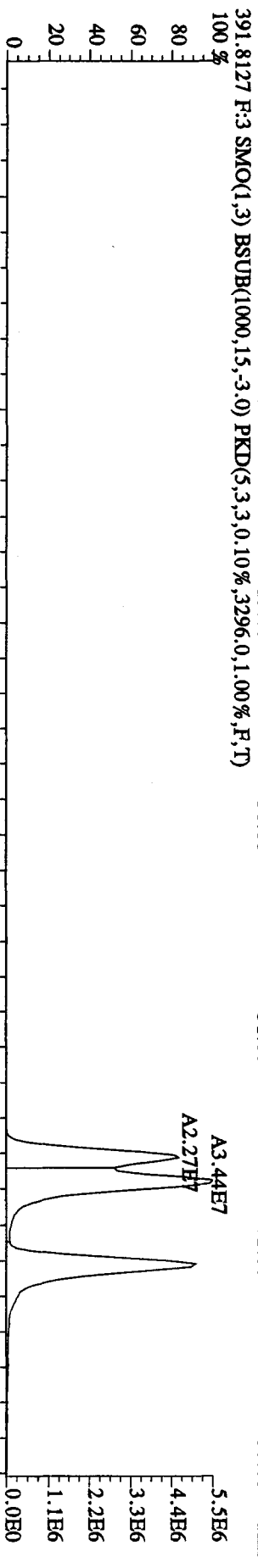
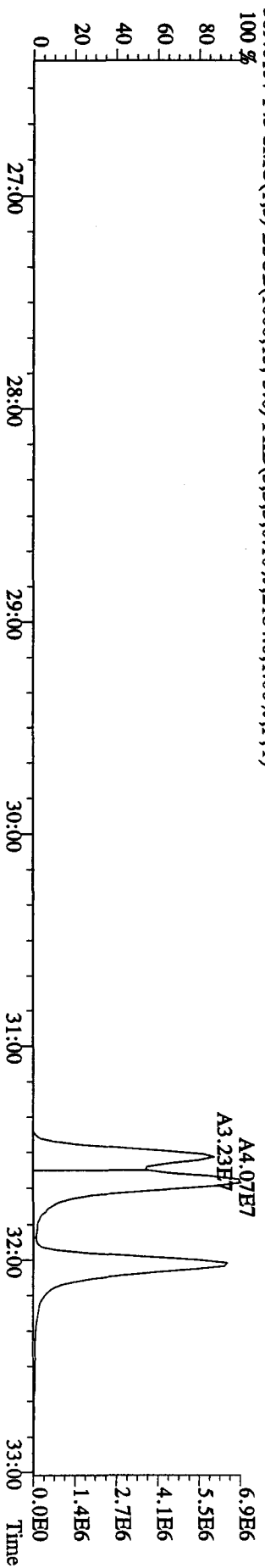
File:29AP101ID5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7188,0,1,00%,F,T)
 100 %



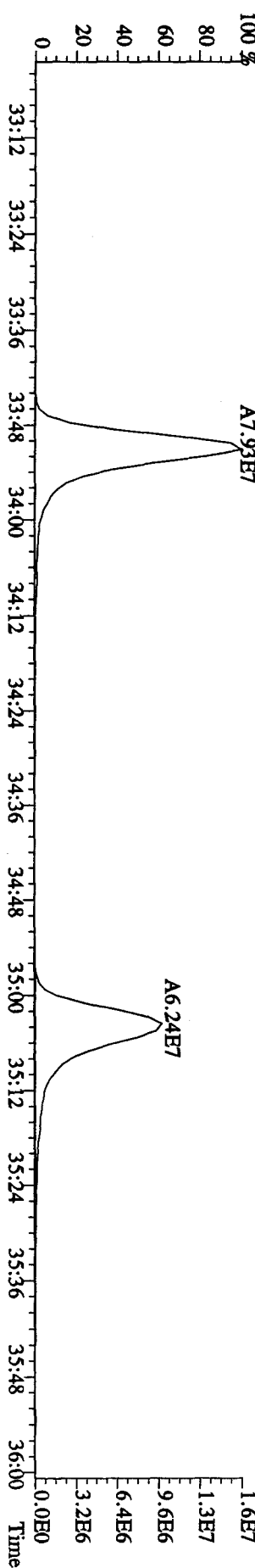
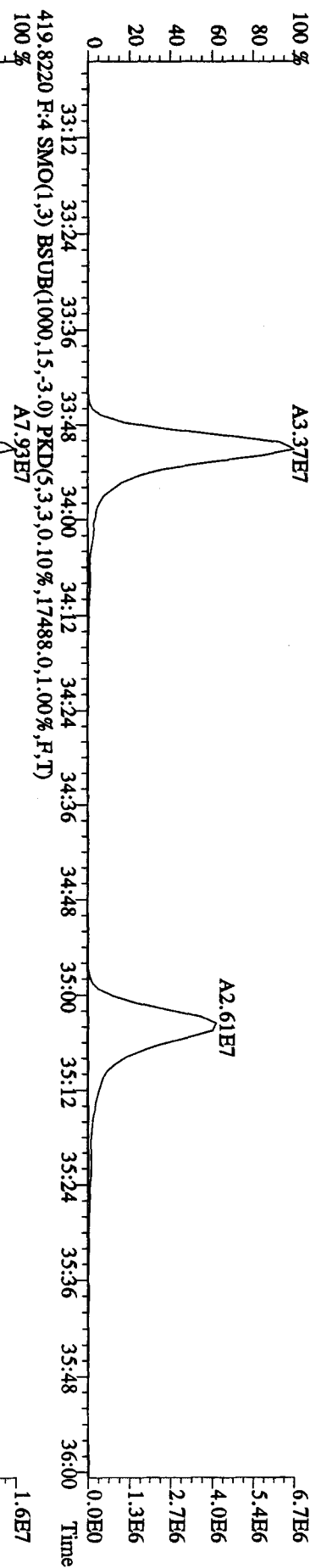
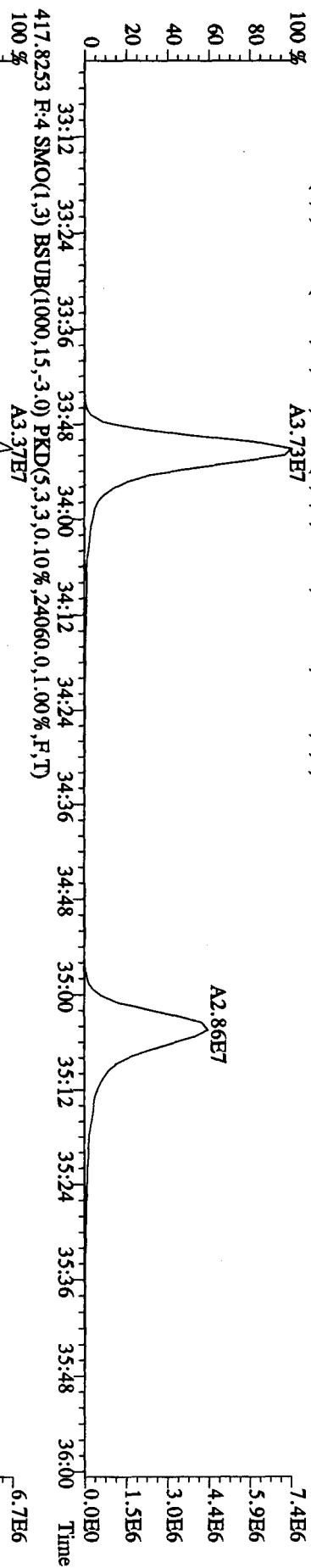
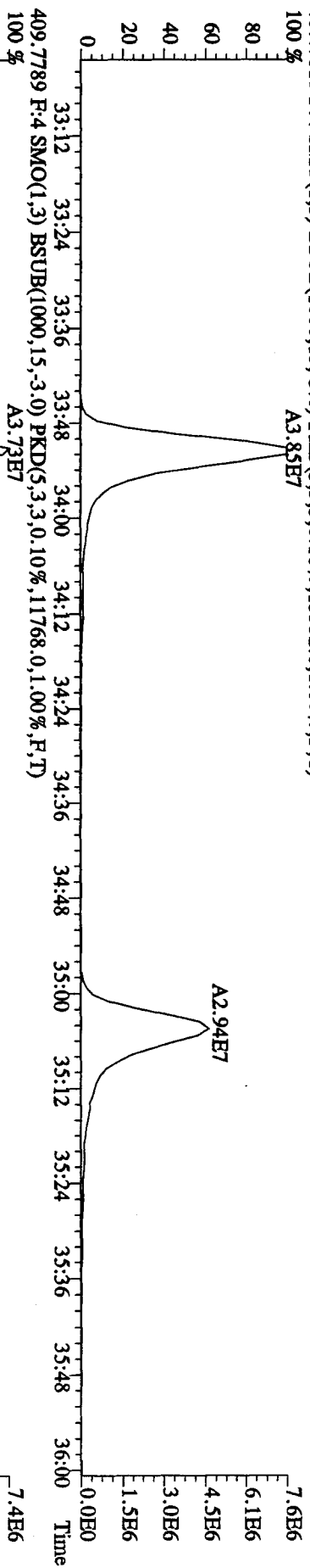
File:29AP1010ID5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2612.0,1.00%,F,T)



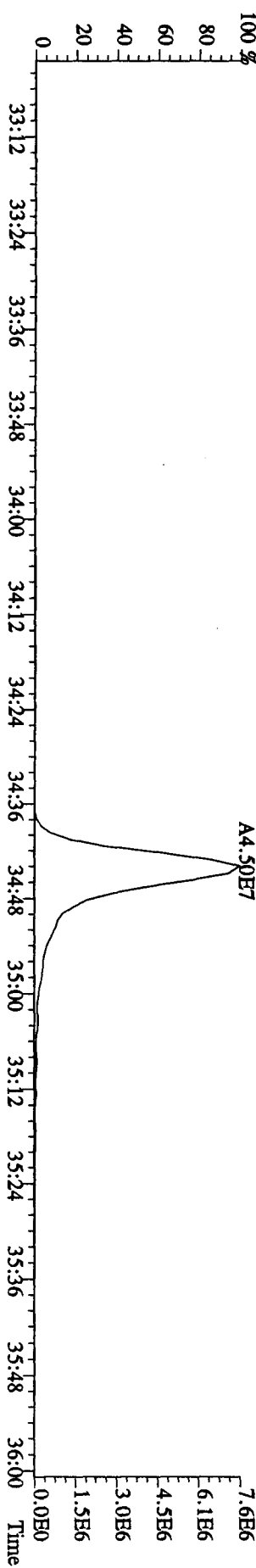
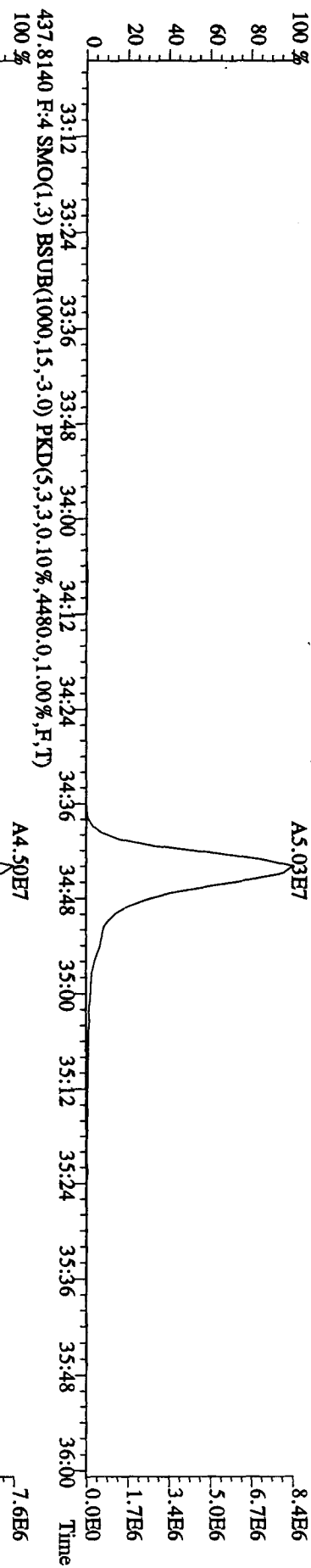
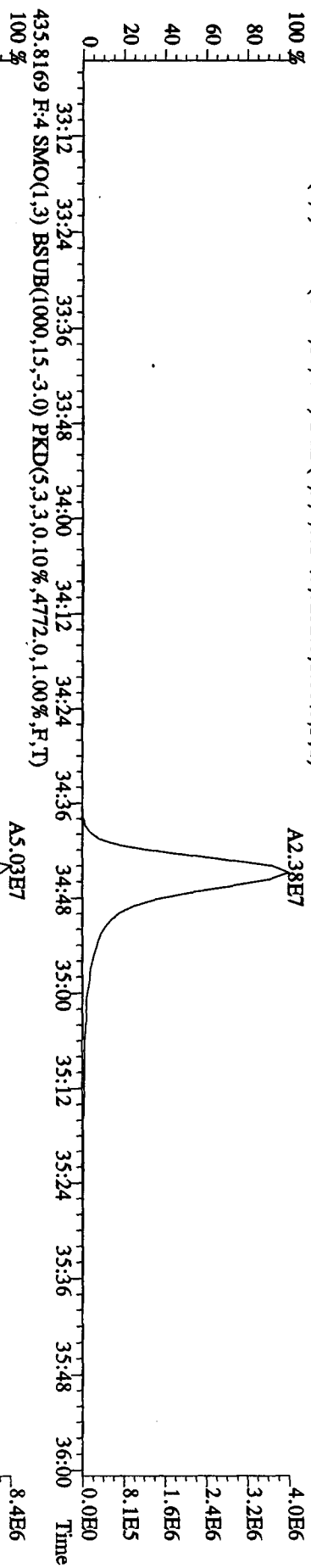
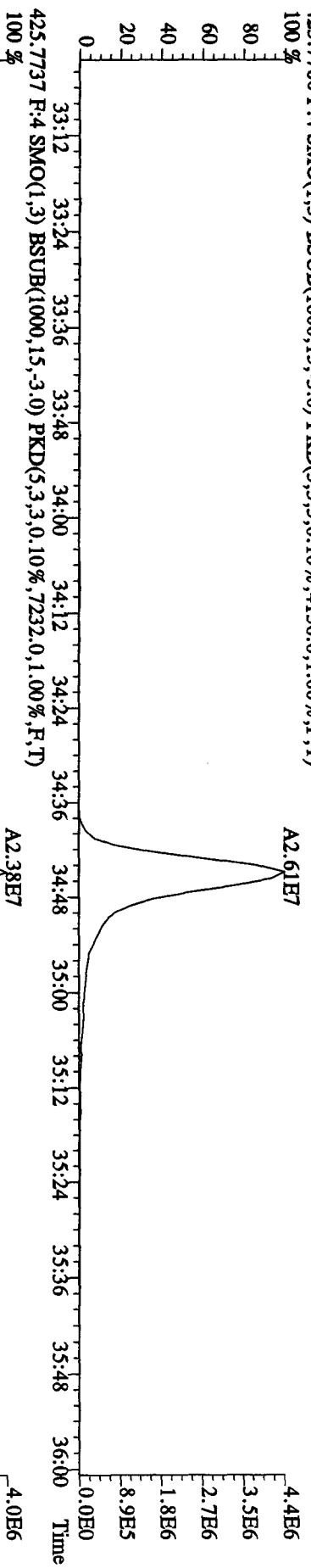
File:29AP1010ID5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp.:DIOXINRES
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2184,0,1,00%,F,T)



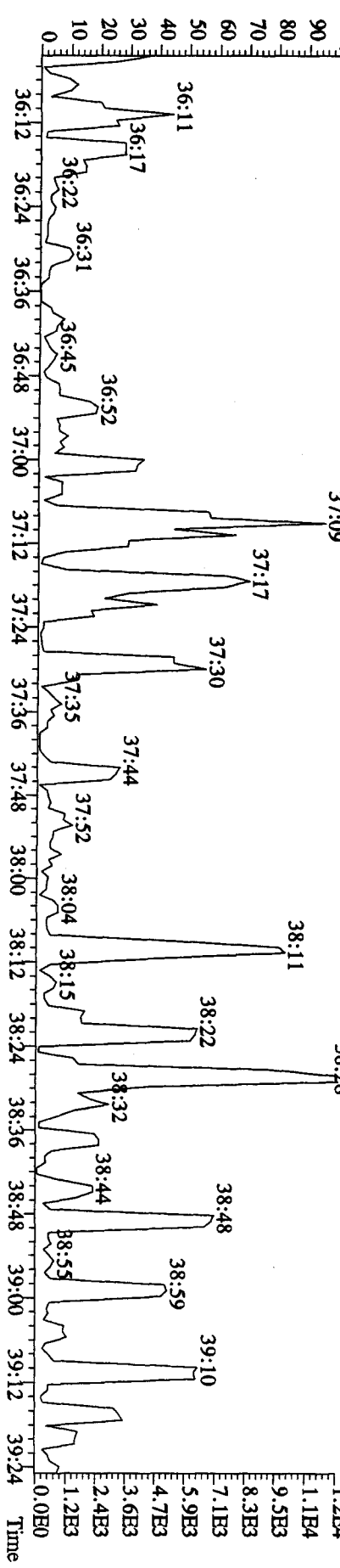
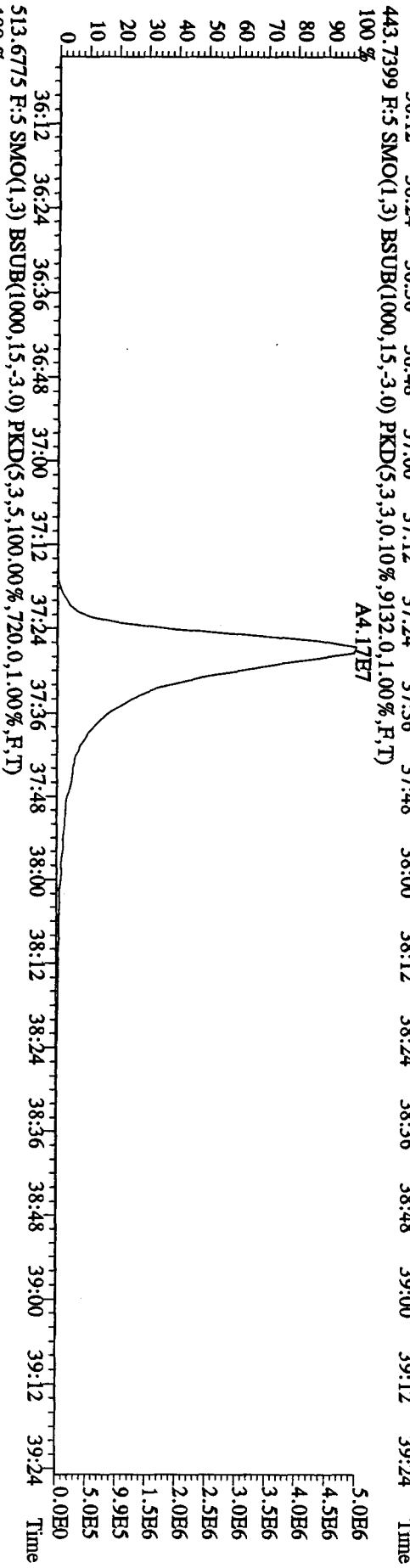
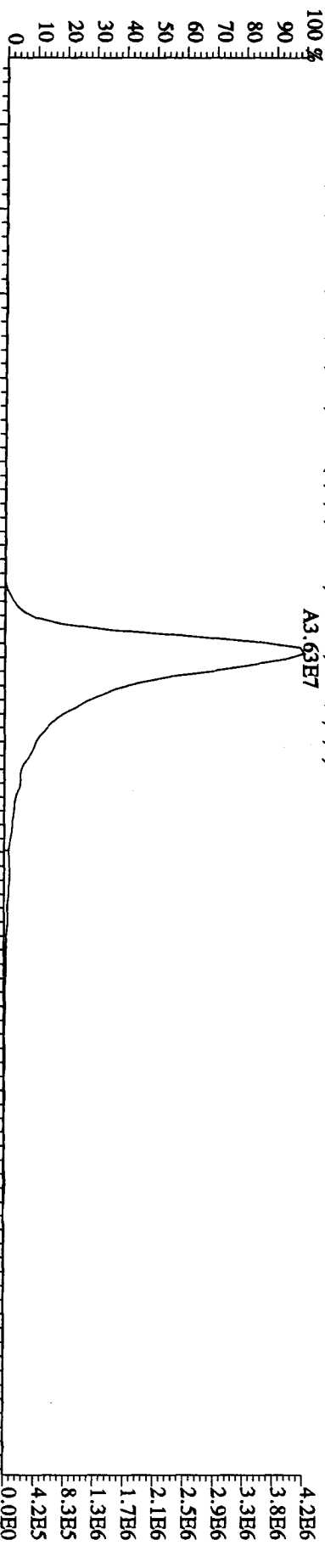
File:29AP101D5 #1-210 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINES
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15352.0,1.00%,F,T)
A3.85E7



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)



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)
 100% A3.63E7

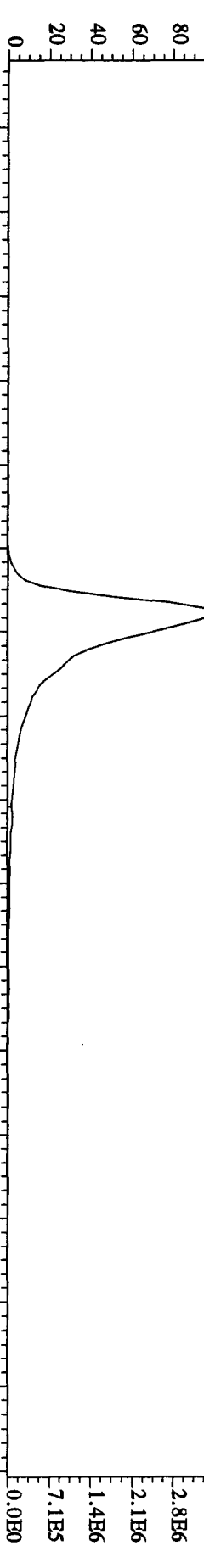


File:29AP101ID5 #1-244 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE

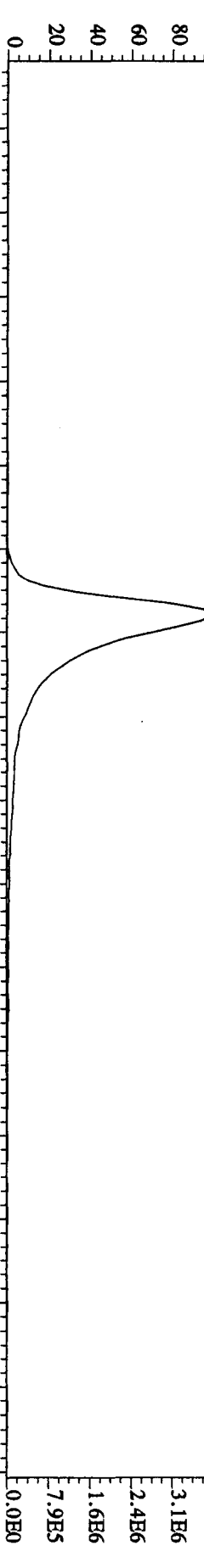
Sample#1 Text:STU429 :CS3 10DXN111

Exp:DIOXINRES

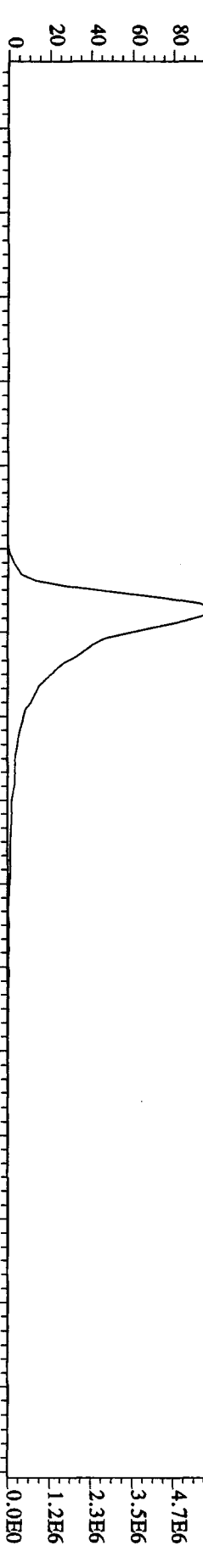
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3256,0.1,0.00%,F,T) 100%



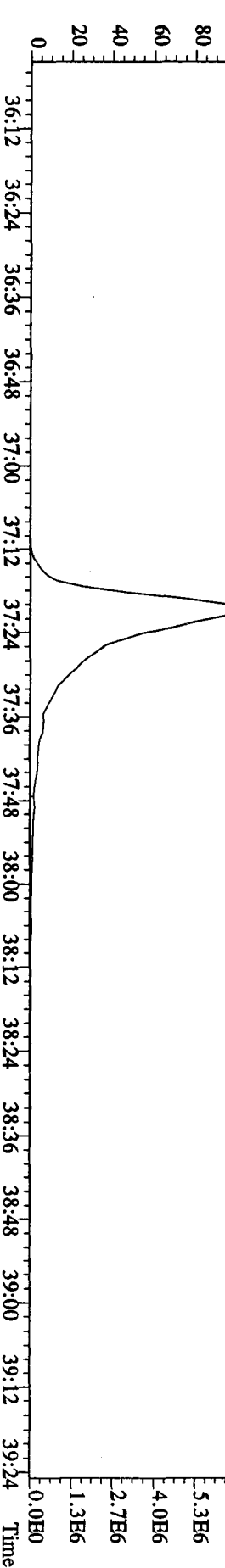
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5664,0.1,0.00%,F,T) 100%



469.7779 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,14856,0.1,0.00%,F,T) 100%

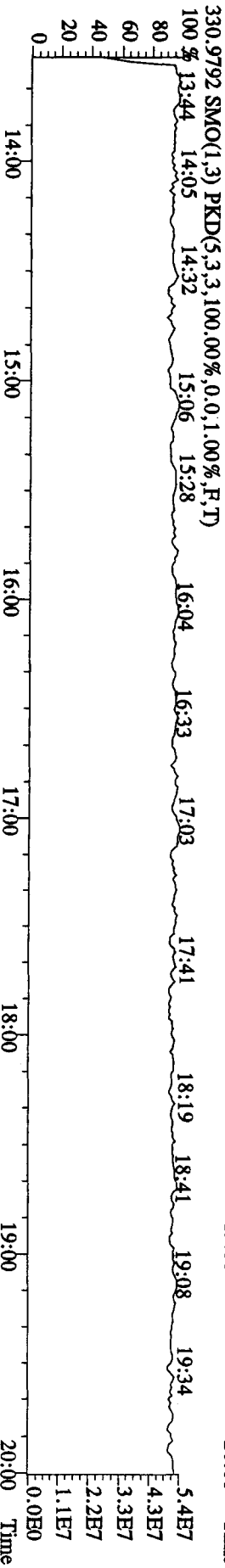
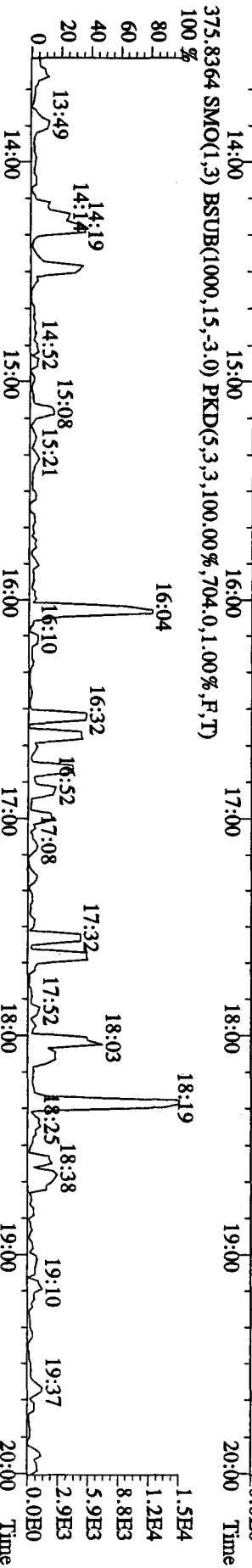
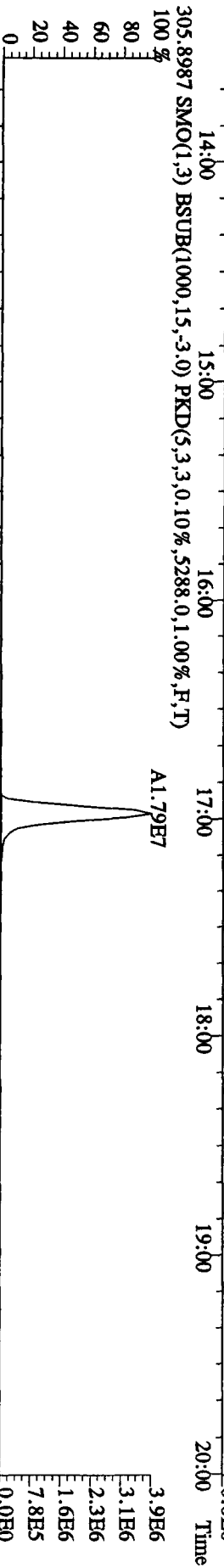
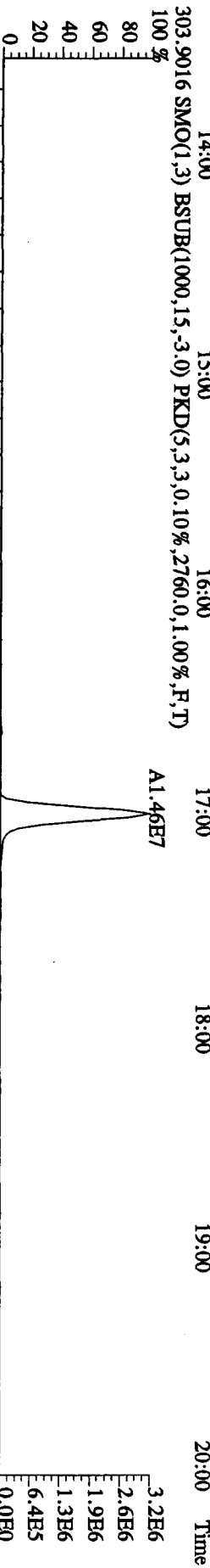
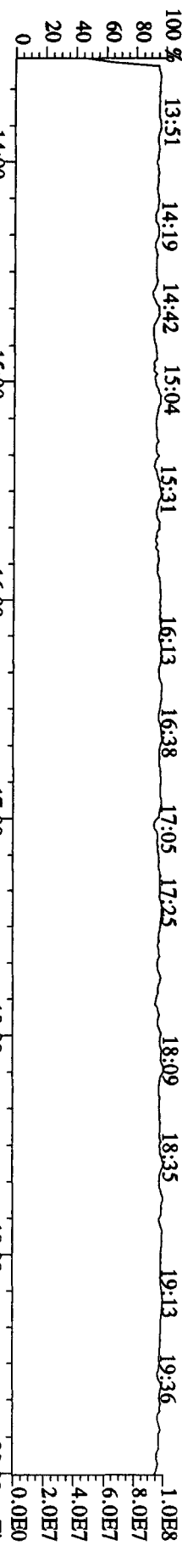


471.7750 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6464,0.1,0.00%,F,T) 100%



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

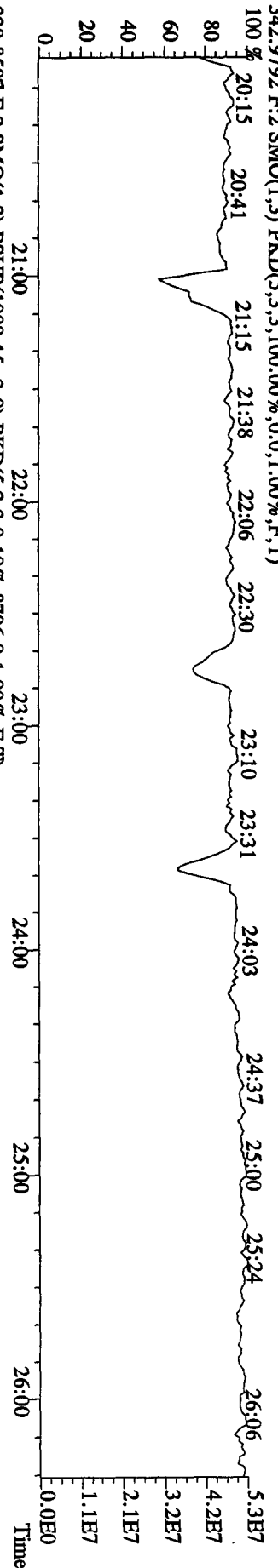
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINES



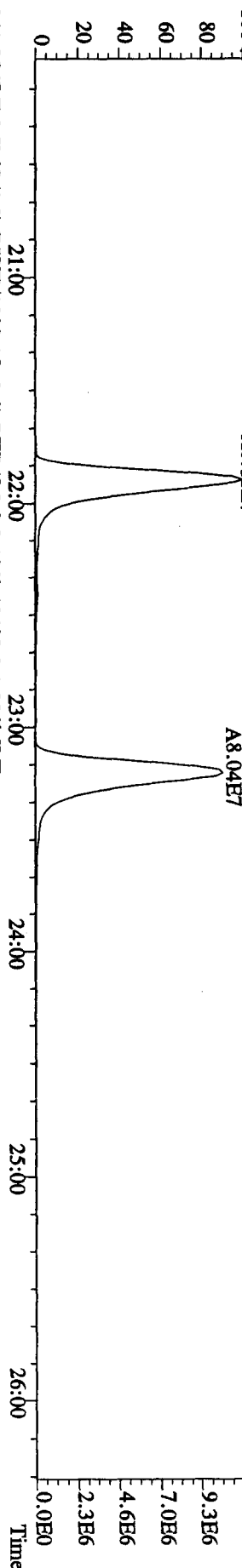
File:29AP1010D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE

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

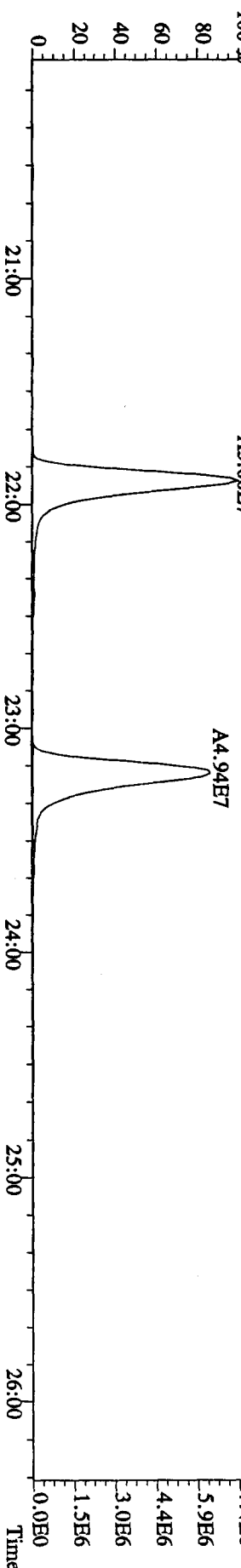
342.9792 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



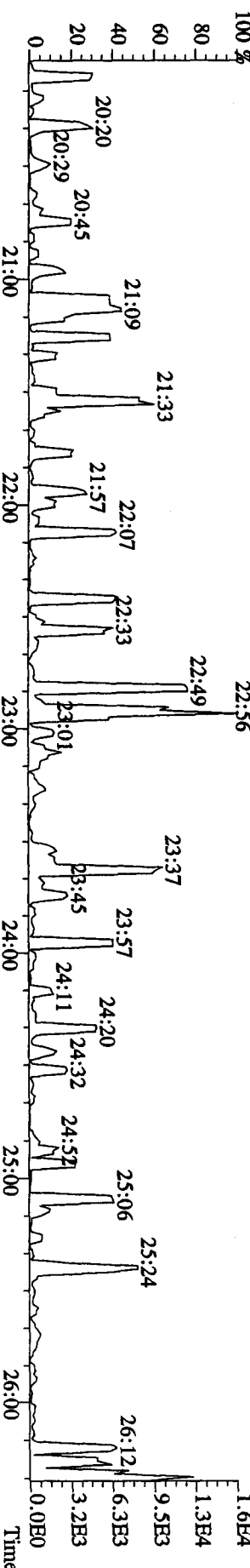
339.8597 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,8796,0.1,0.00%,F,T)



341.8567 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,10428,0.1,0.00%,F,T)

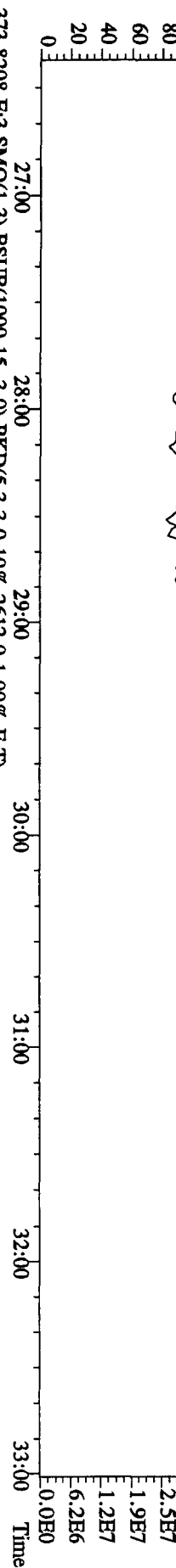


409.7974 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,492,0.1,0.00%,F,T)

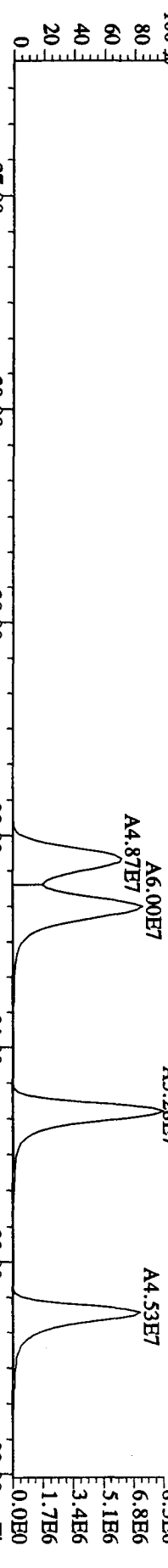


File:29AP101D5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

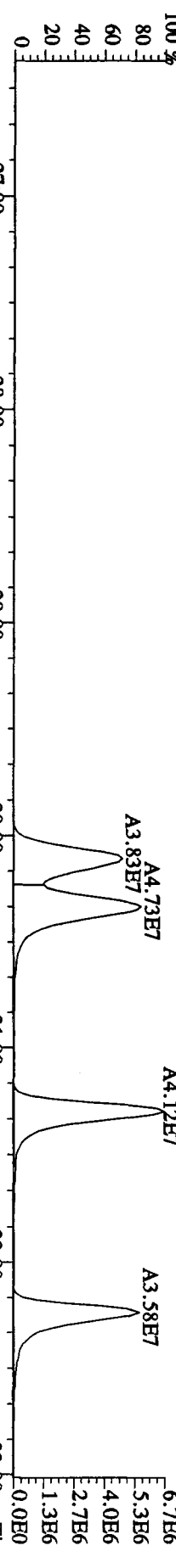
392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 26:36 27:02 27:29 27:51 28:20 28:42 29:04 29:27



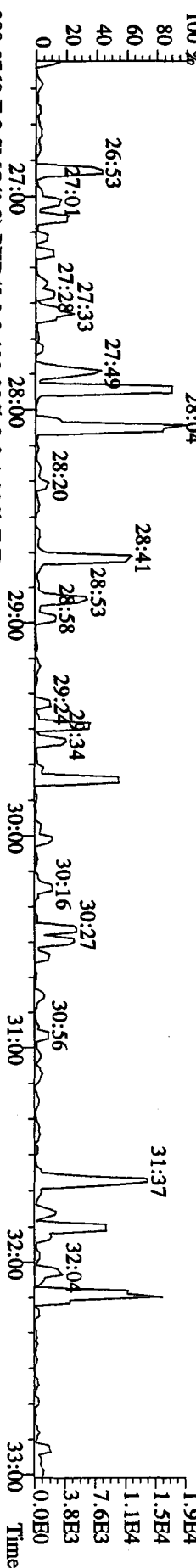
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2612.0,1.00%,F,T)



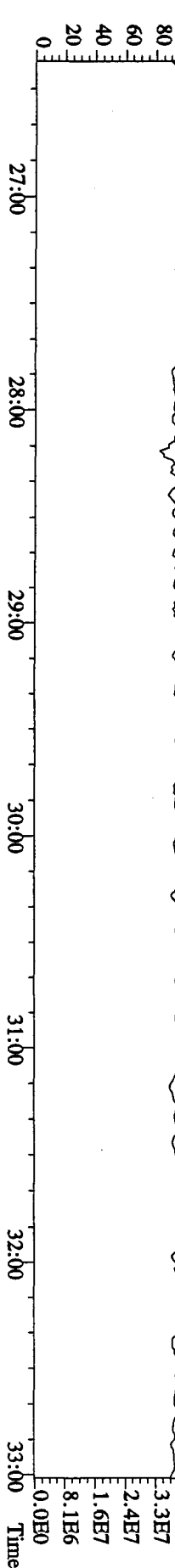
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2256.0,1.00%,F,T)



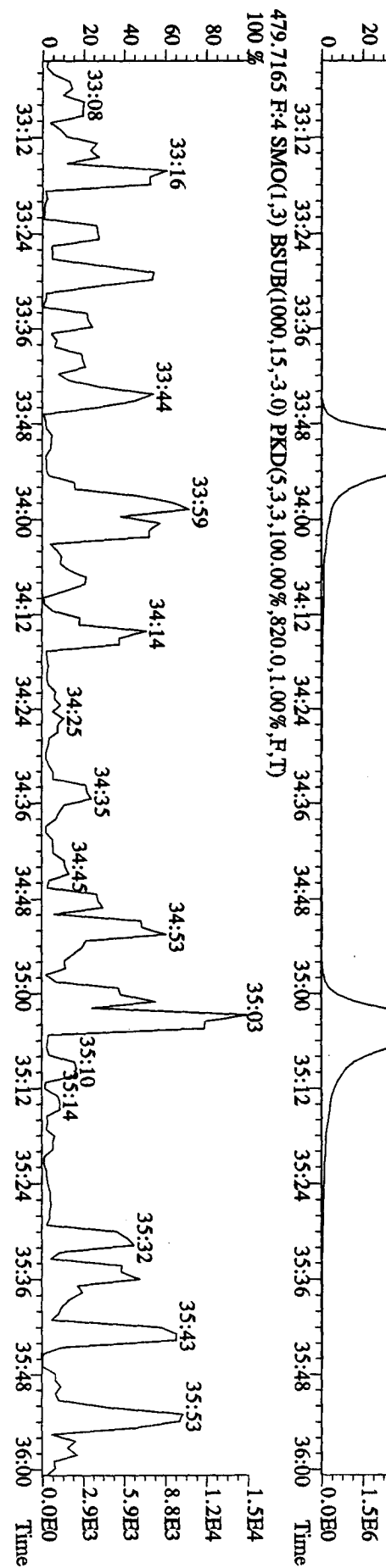
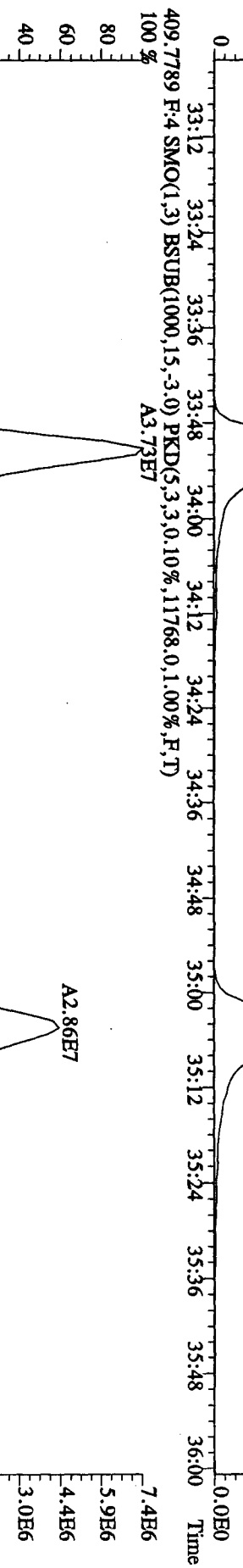
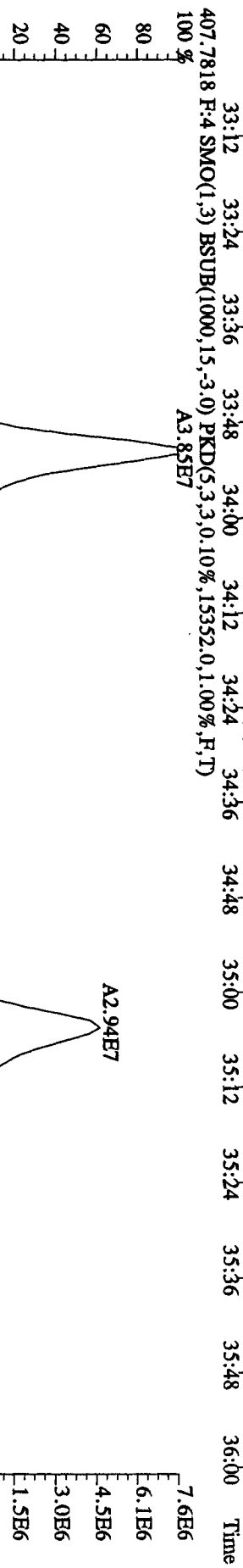
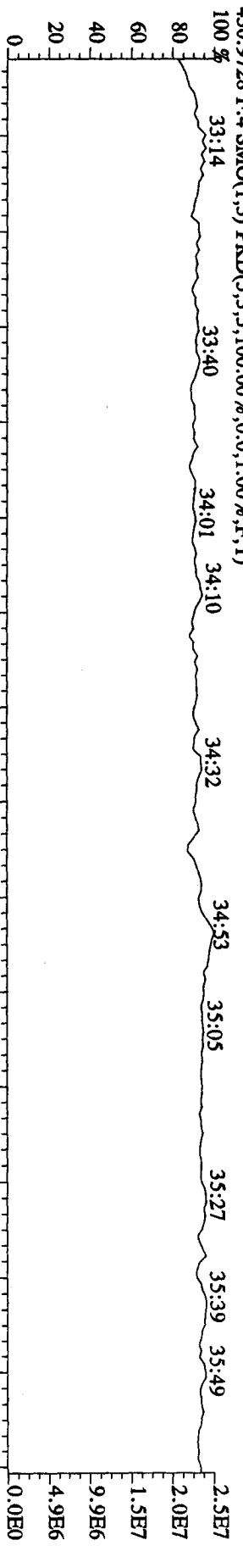
445.7555 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,380.0,1.00%,F,T)



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 70SB
 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)

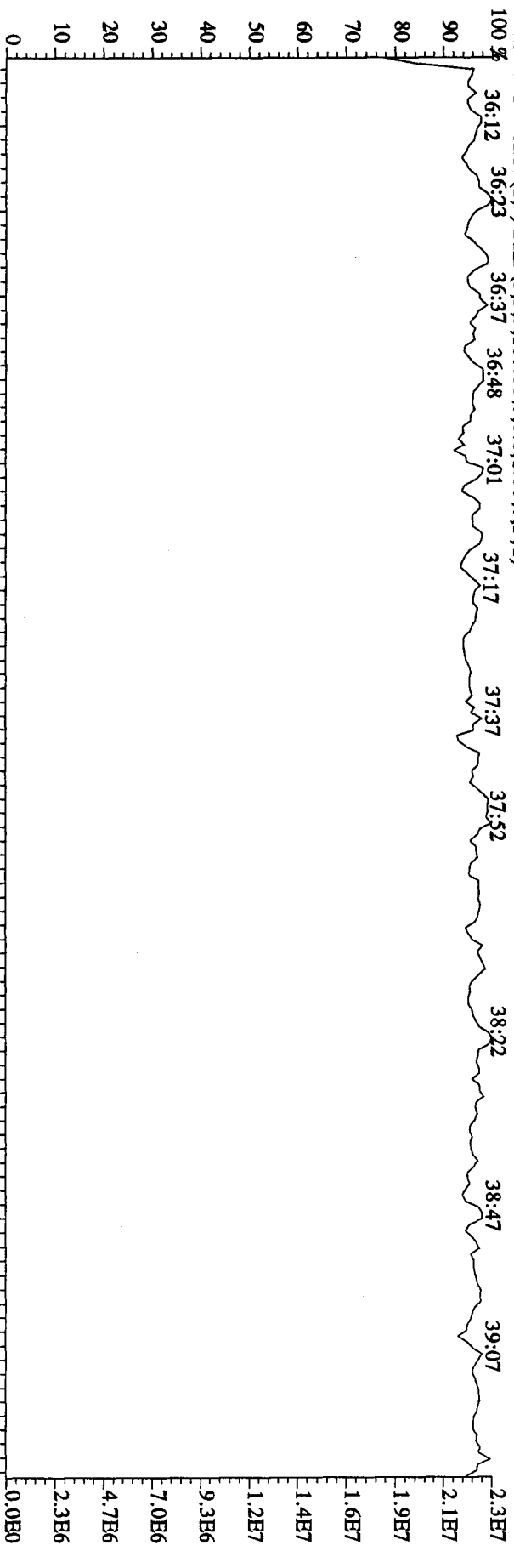


File: 29AP1010D5 #1-244 Acq: 29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SB

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

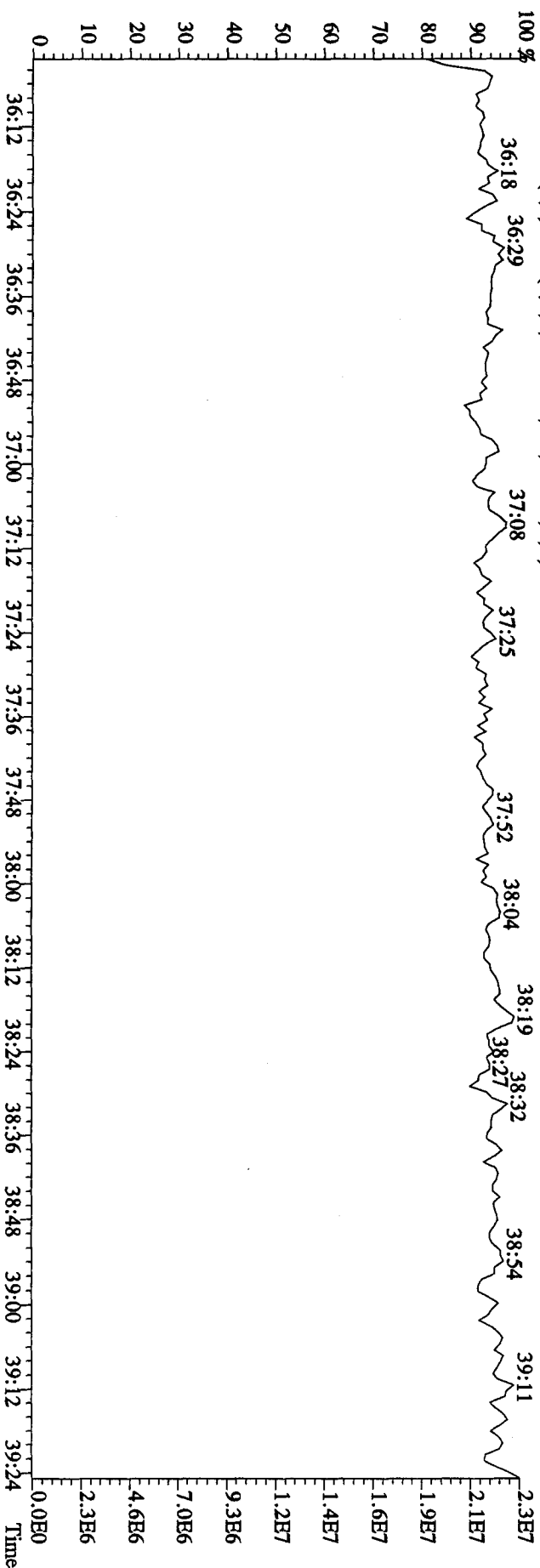
454.9728 F: 5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

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

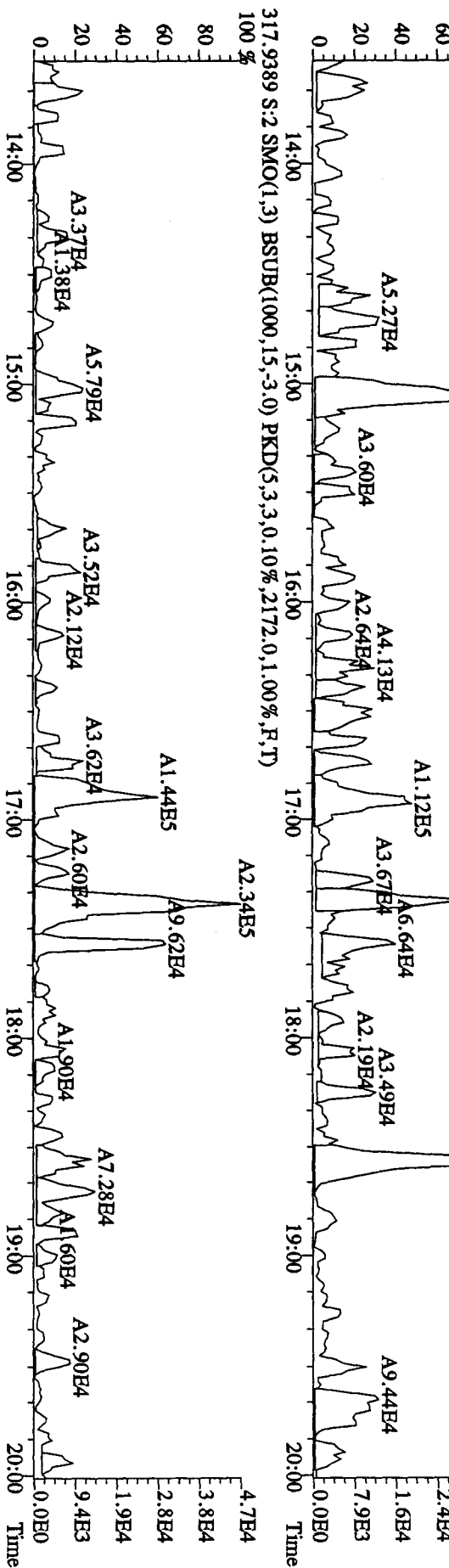
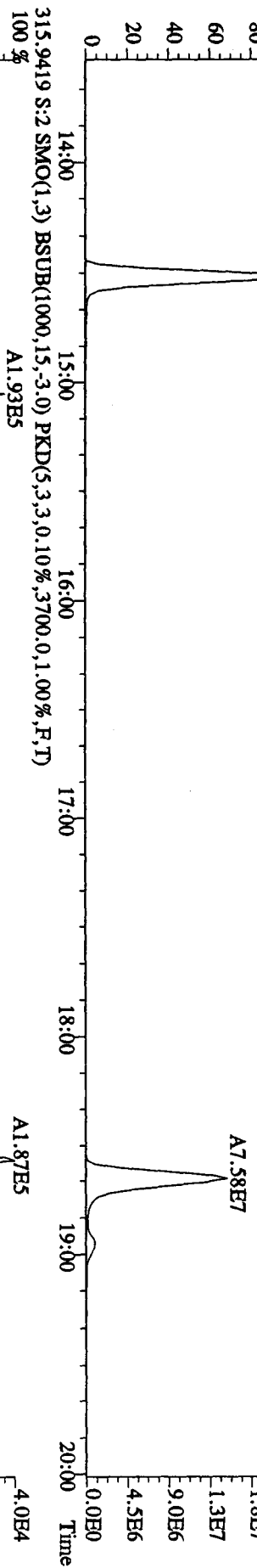
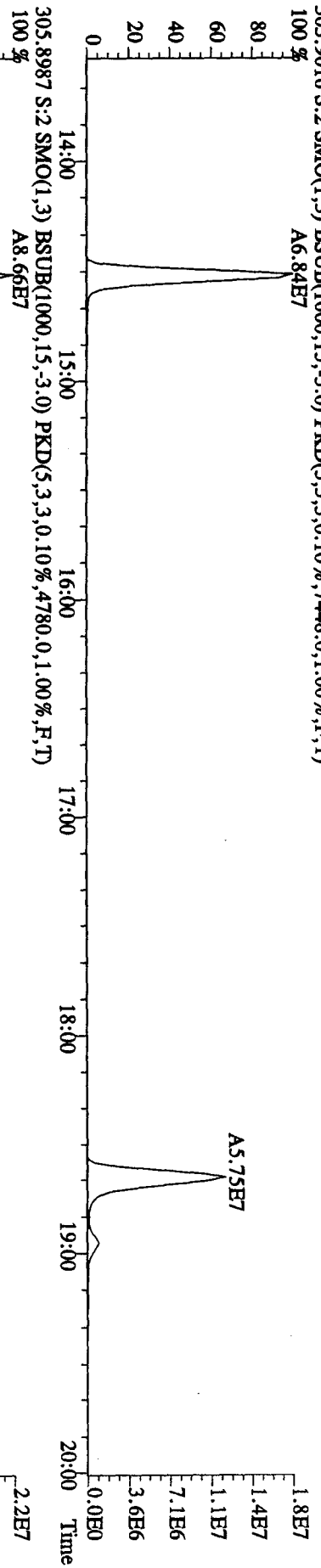


442.9728 F: 5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

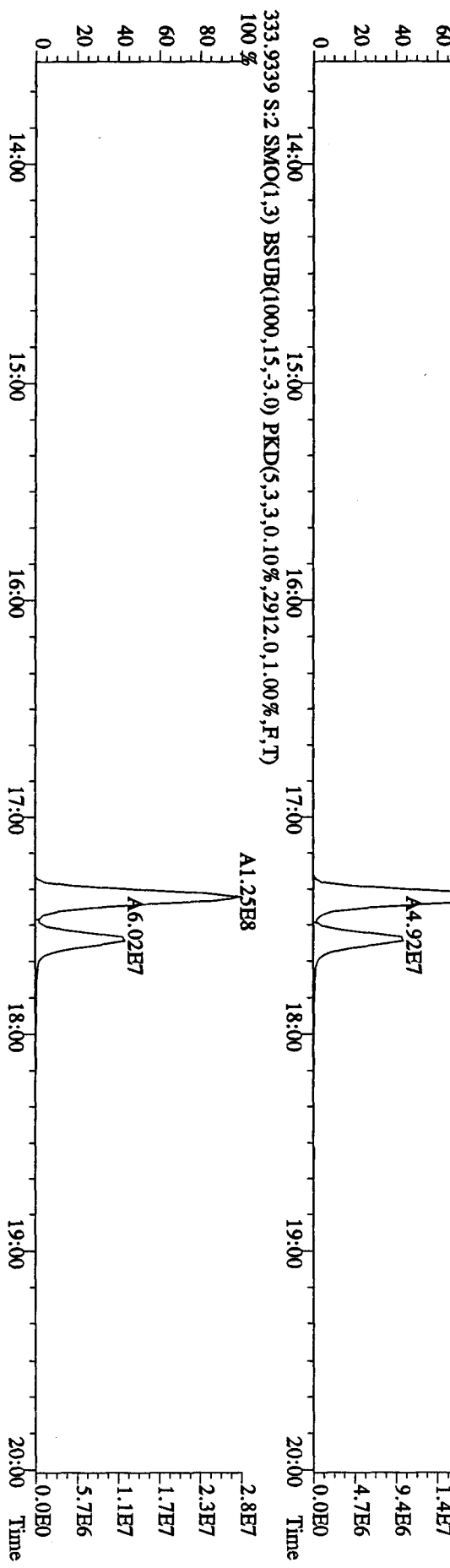
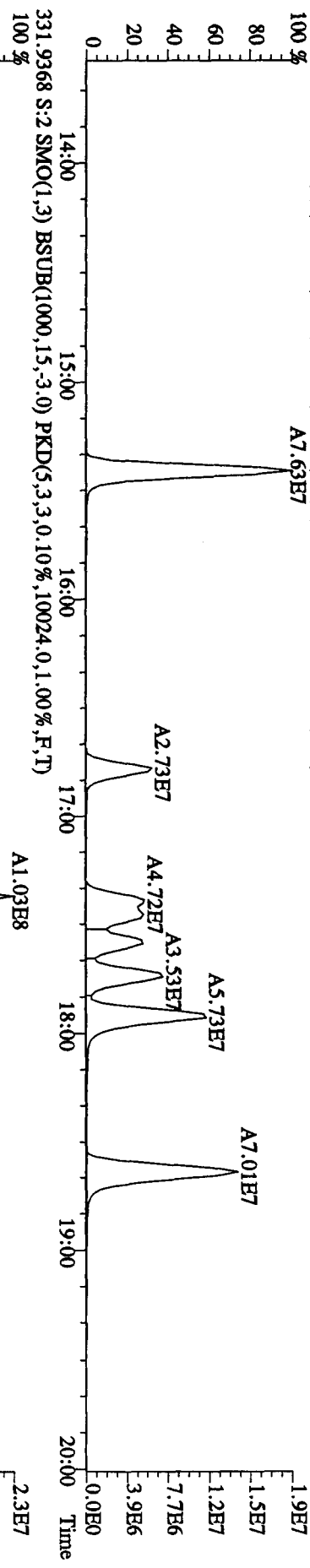
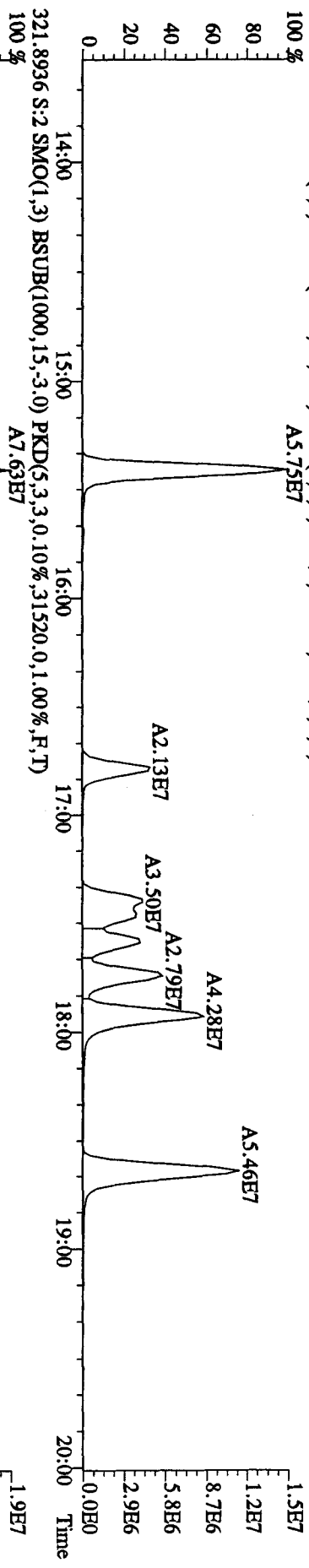
100% 36:18 36:29 37:08 37:25 37:52 38:04 38:19 38:27 38:32 38:54 39:11



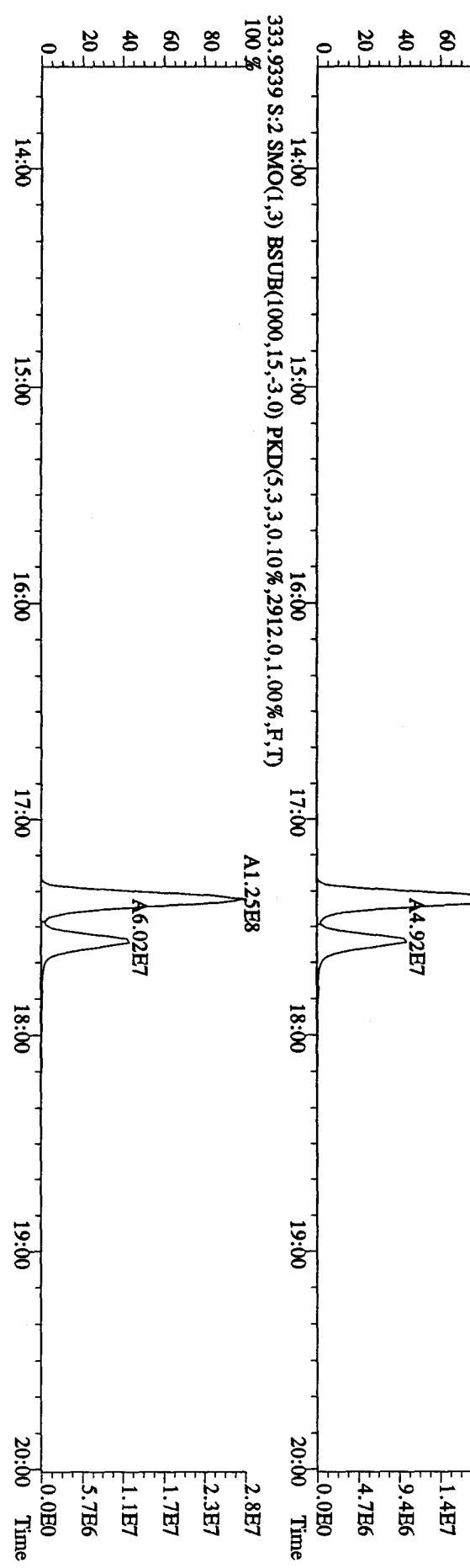
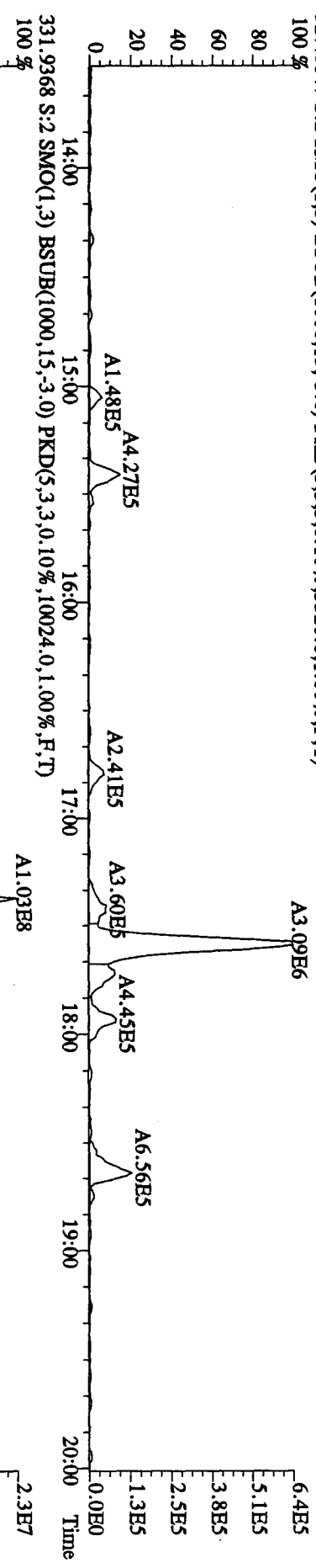
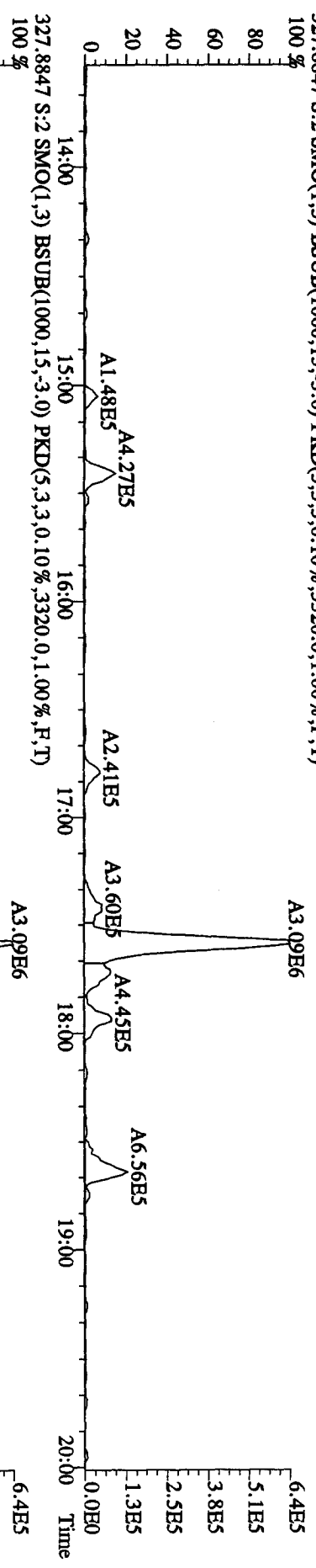
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CP5M 3732-05 Exp:DIOXINRES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,7448,0.1,00%,F,T)
 100%



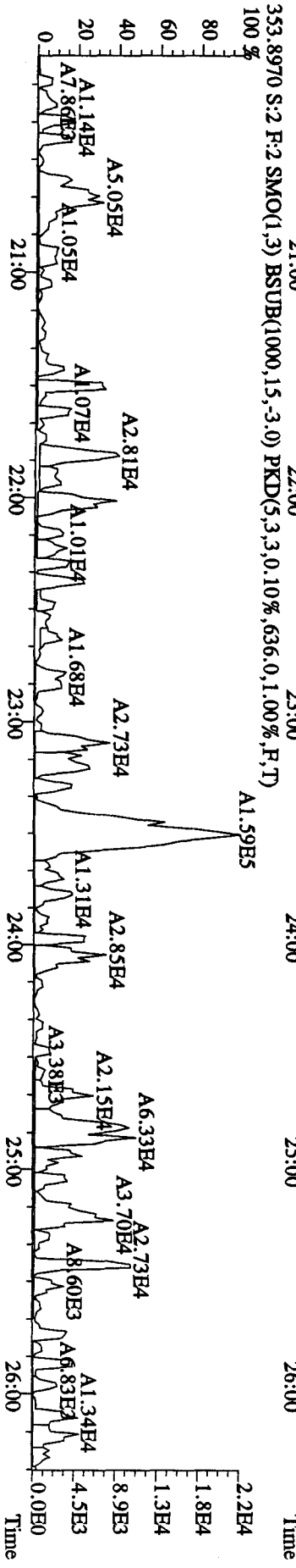
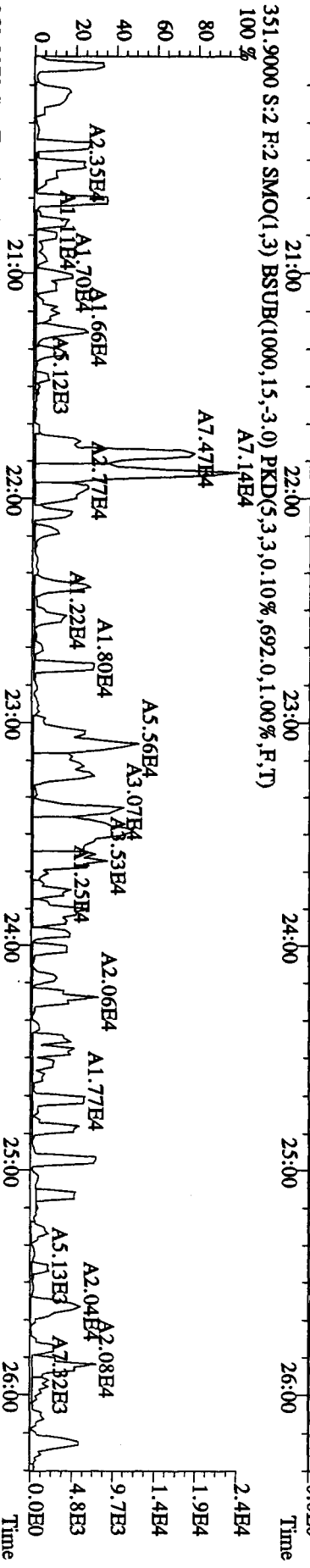
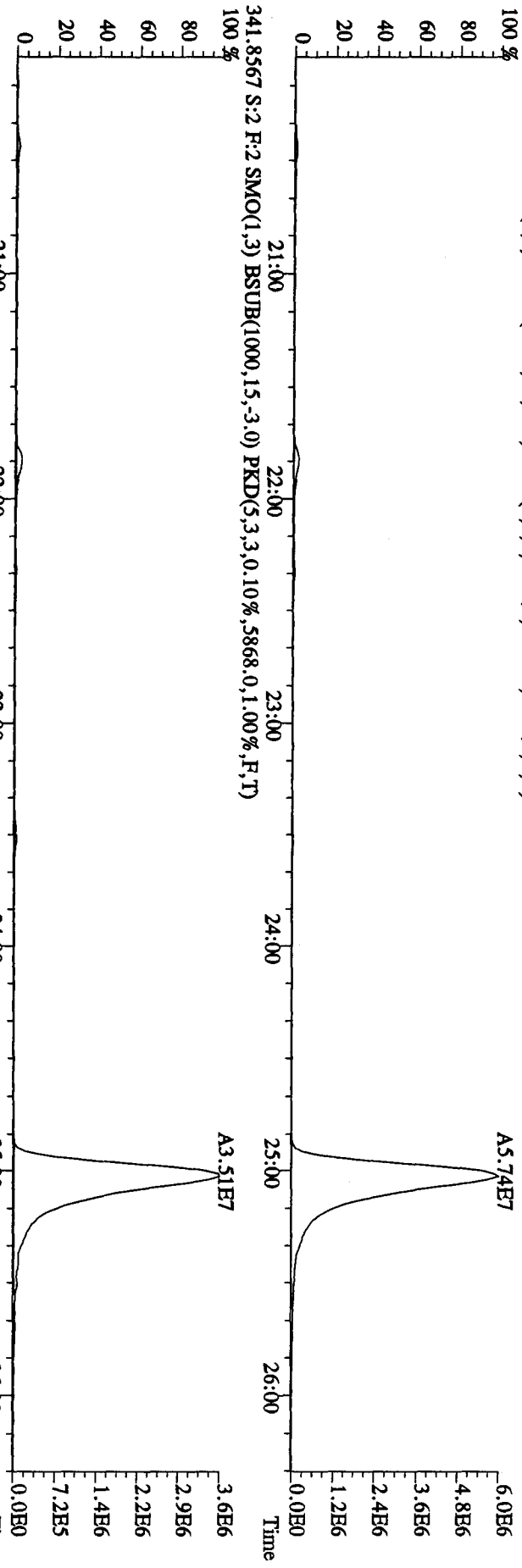
File: 29AP101D5 #1-384 Acq: 29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0429 :DB-5 CPSM 3732-05 Exp: DIOXINRES
 319.8965 S: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8568,0,1,100%,F,T)
 100%



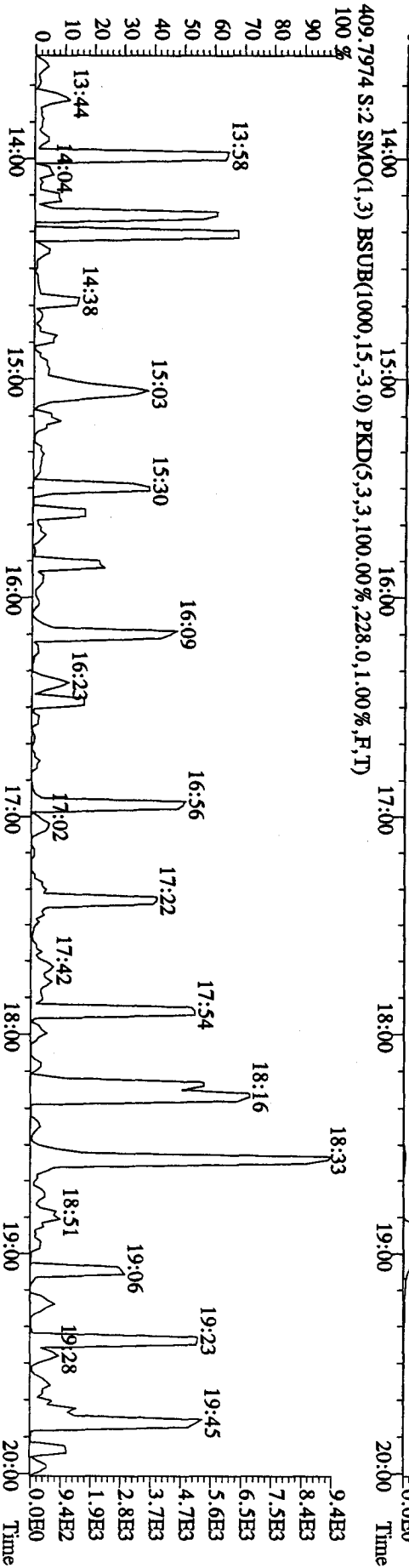
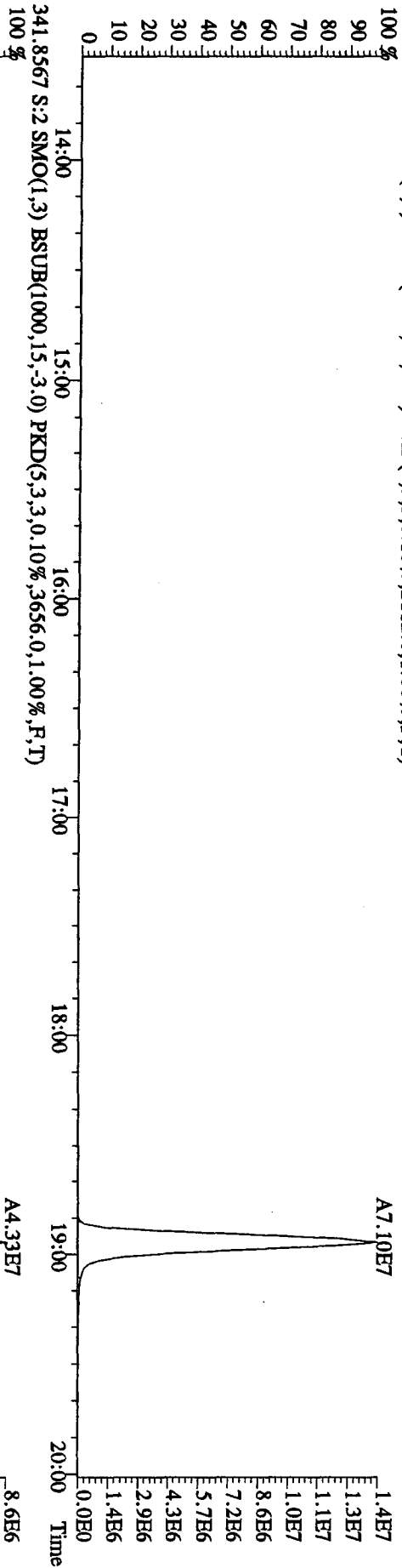
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3320,0,1,00%,F,T)



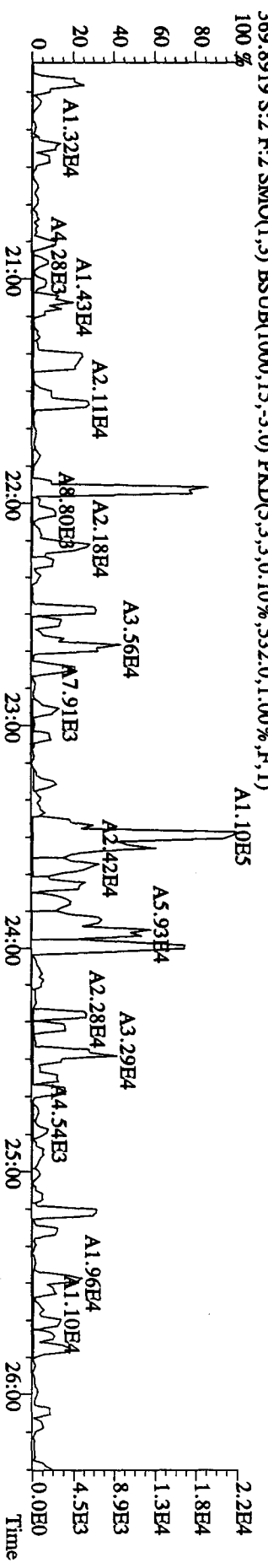
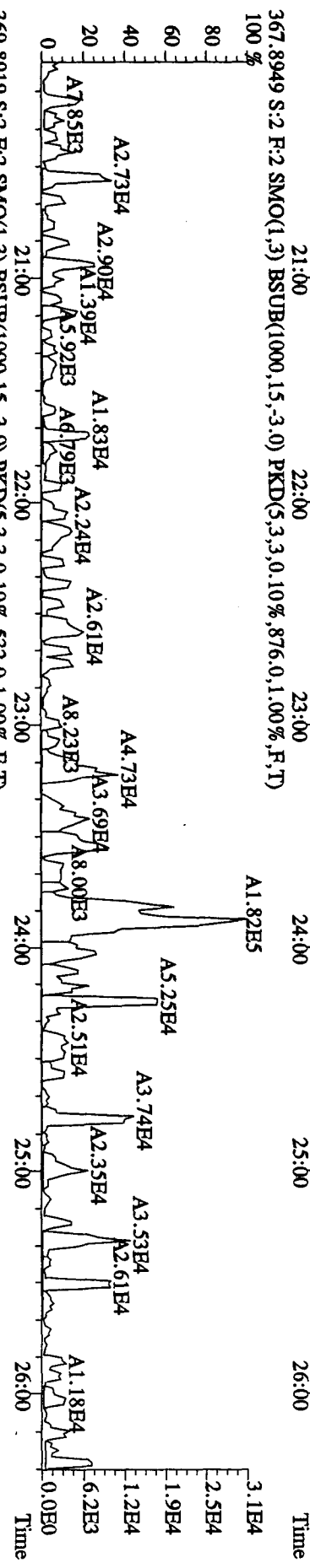
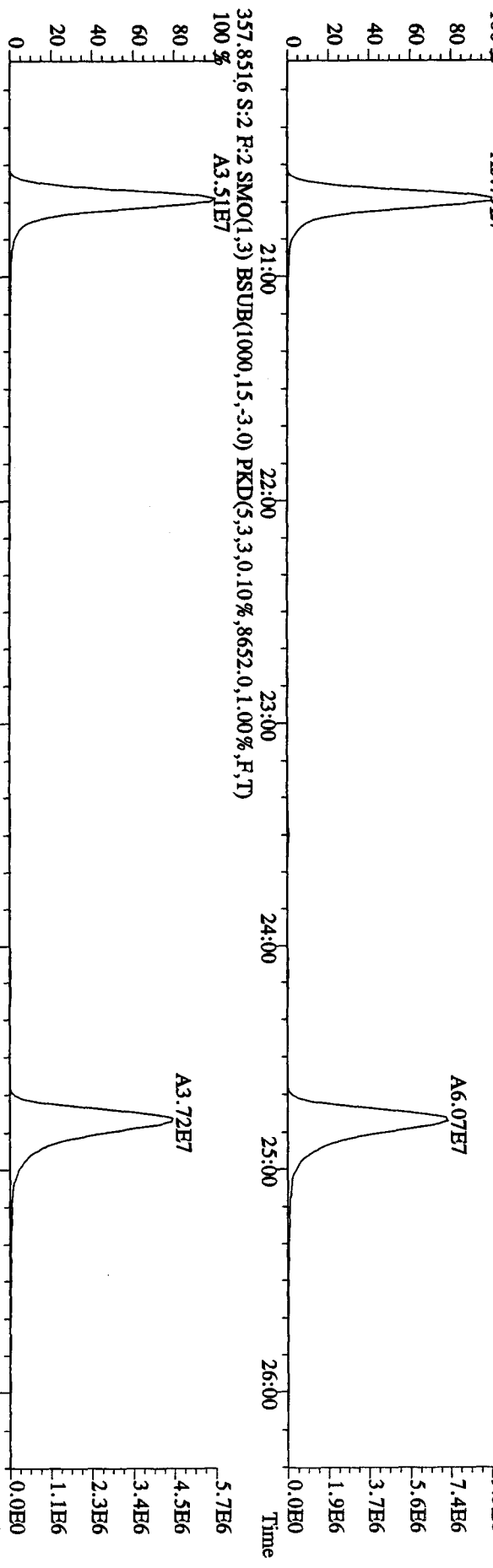
File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CP5M 3732-05 Exp:DIOXINRES
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6480,0,1.00%,F,T)
 100 %



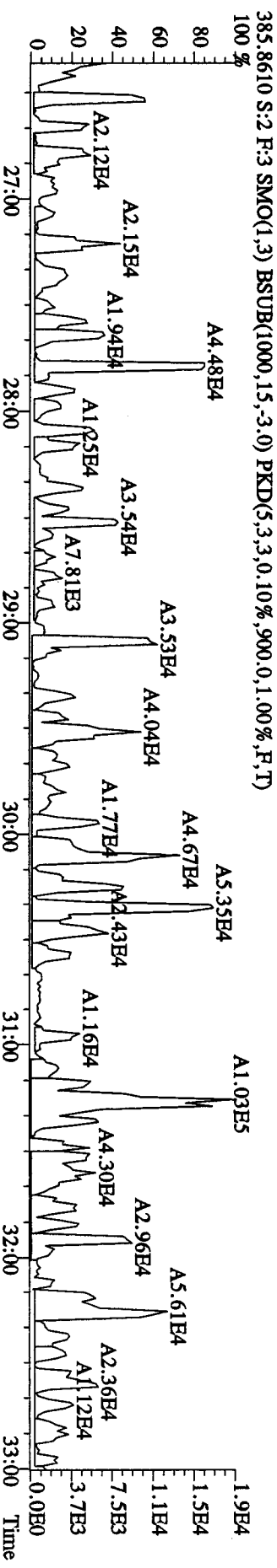
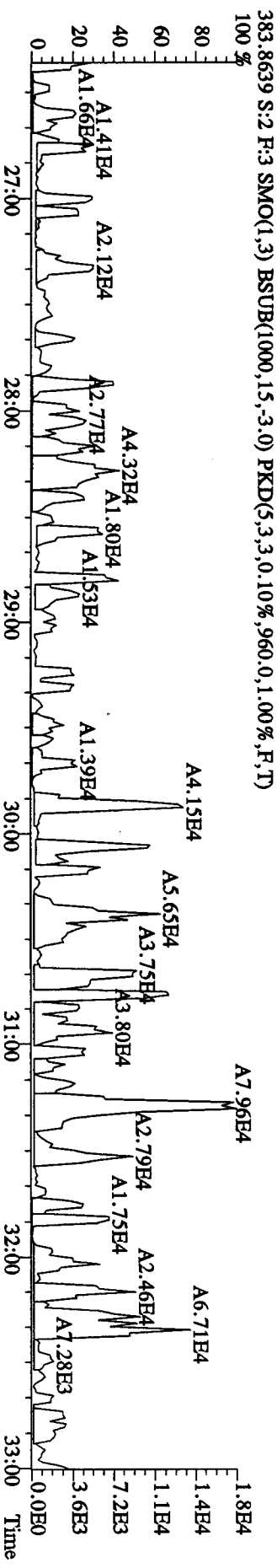
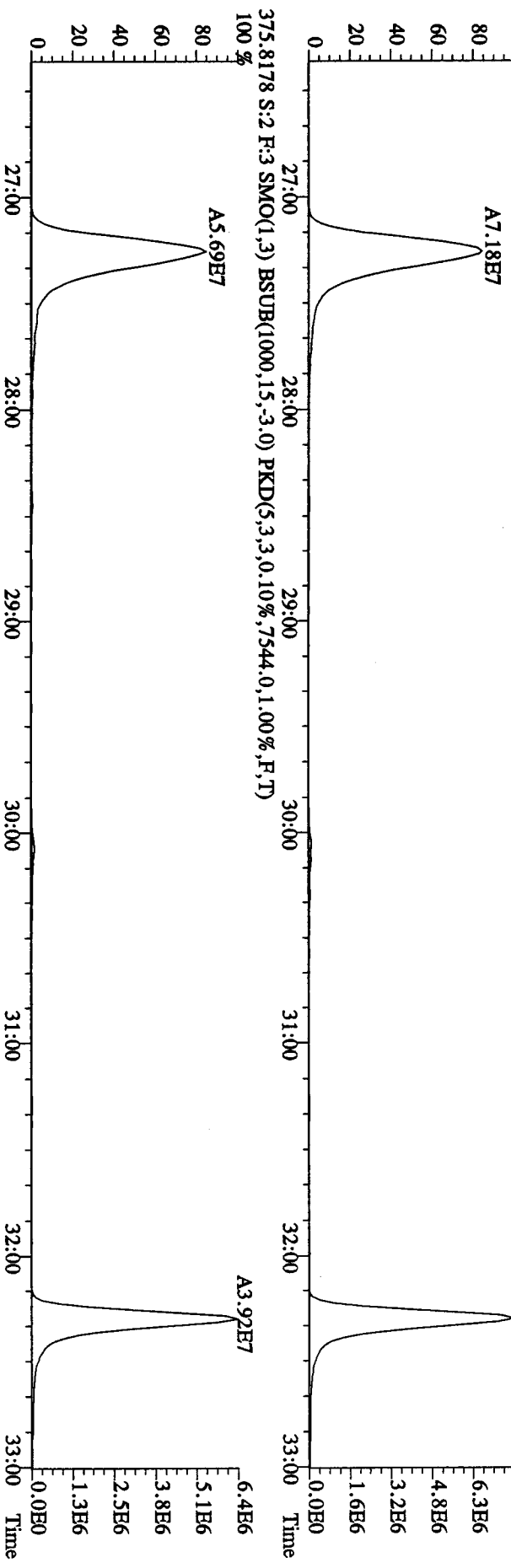
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
 339.8397 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2112.0,1.00%,F,T)



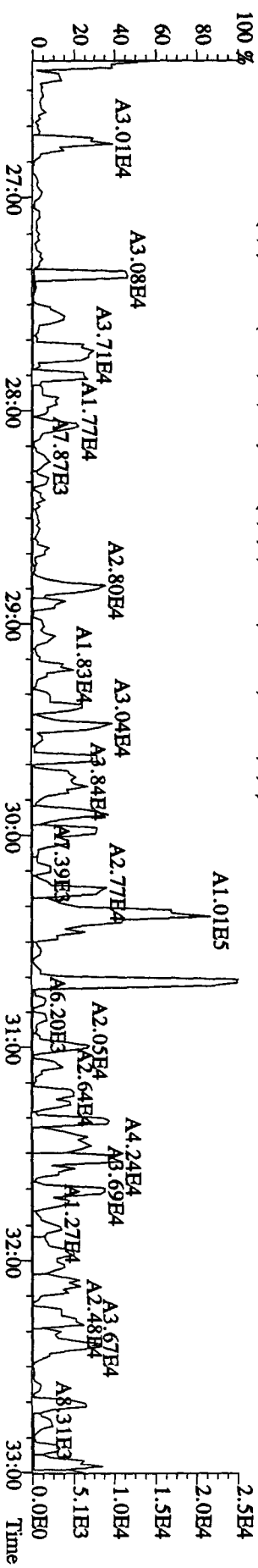
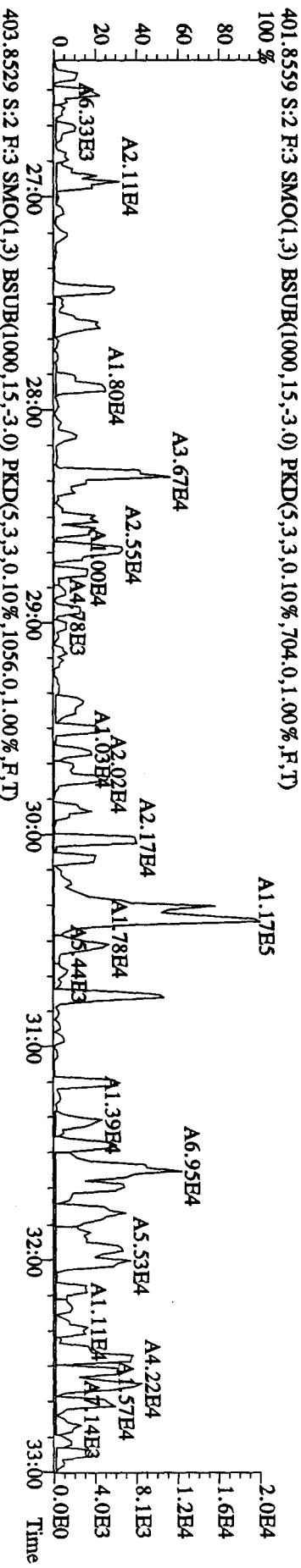
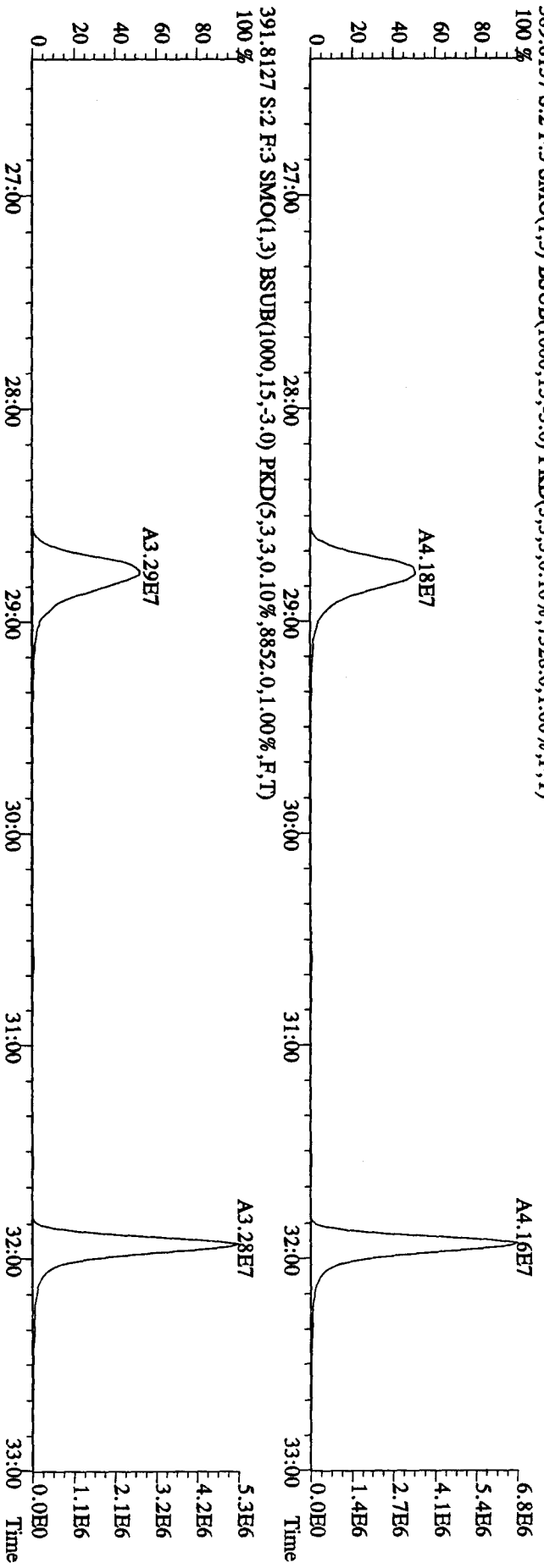
File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 C/PSM 3732-05 Exp:DIOXINRES
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12544.0,1.00%,F,T)
 100% A5.79E7



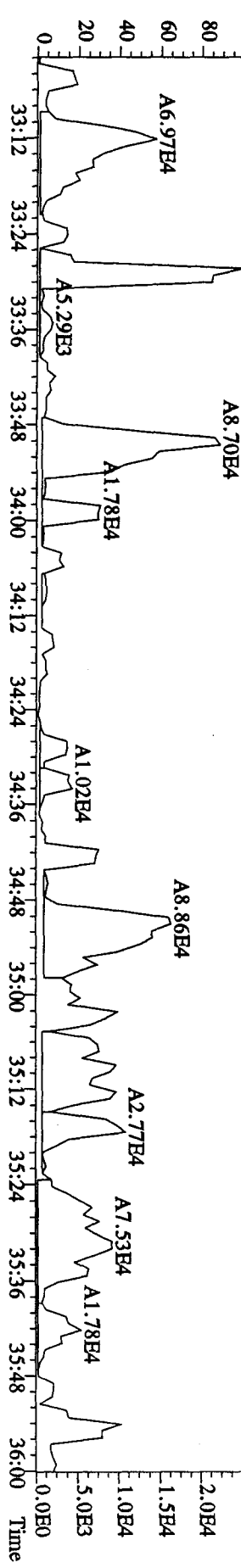
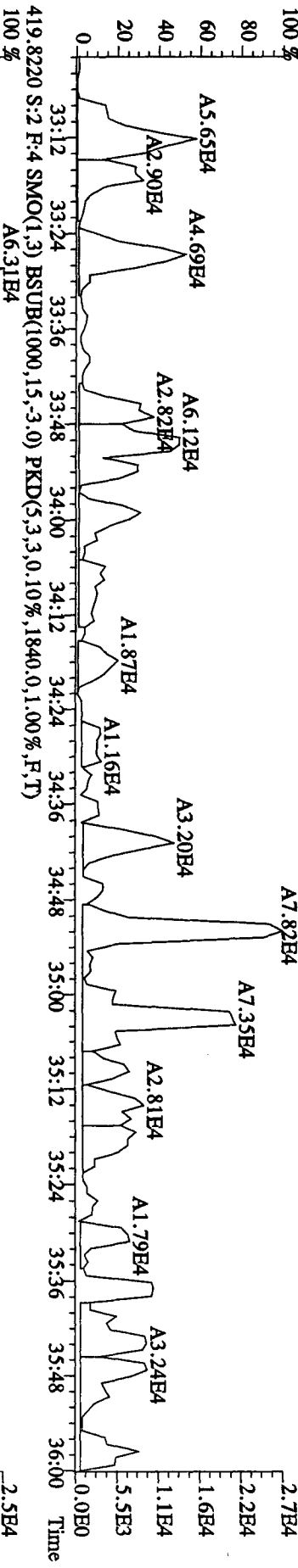
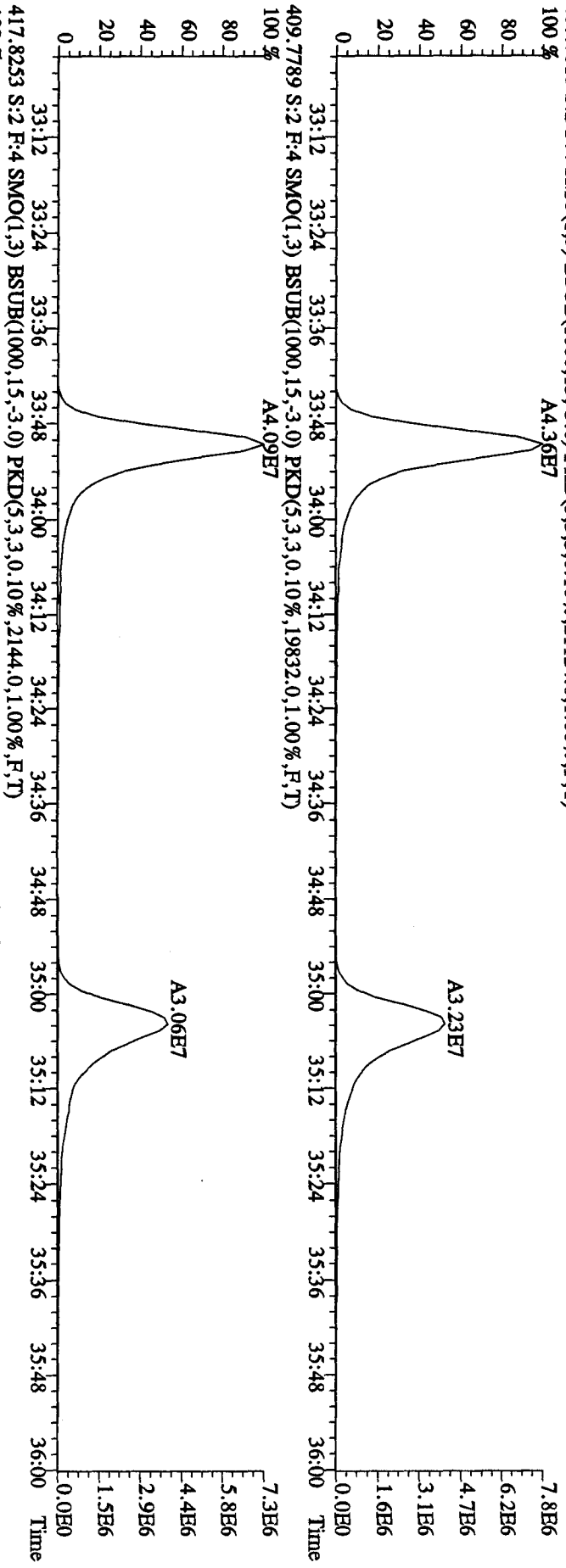
File: 29AP101D5 #1-447 Acq: 29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0429 : DB-5 CPSM 3732-05 Exp: DIOXINRES
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8048,0,1,00%,F,T)



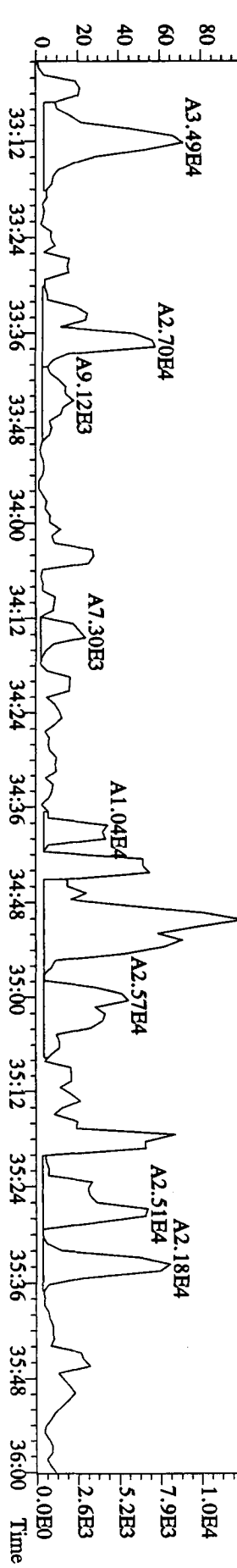
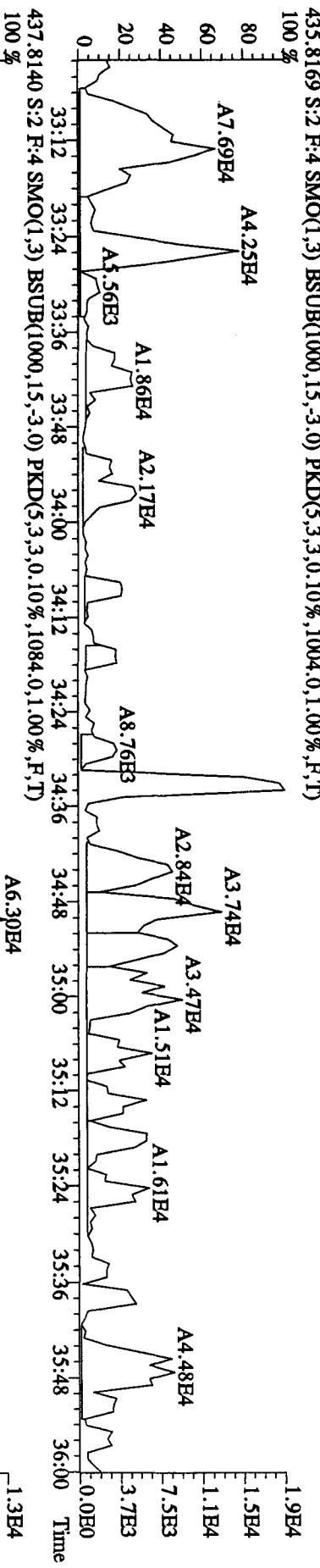
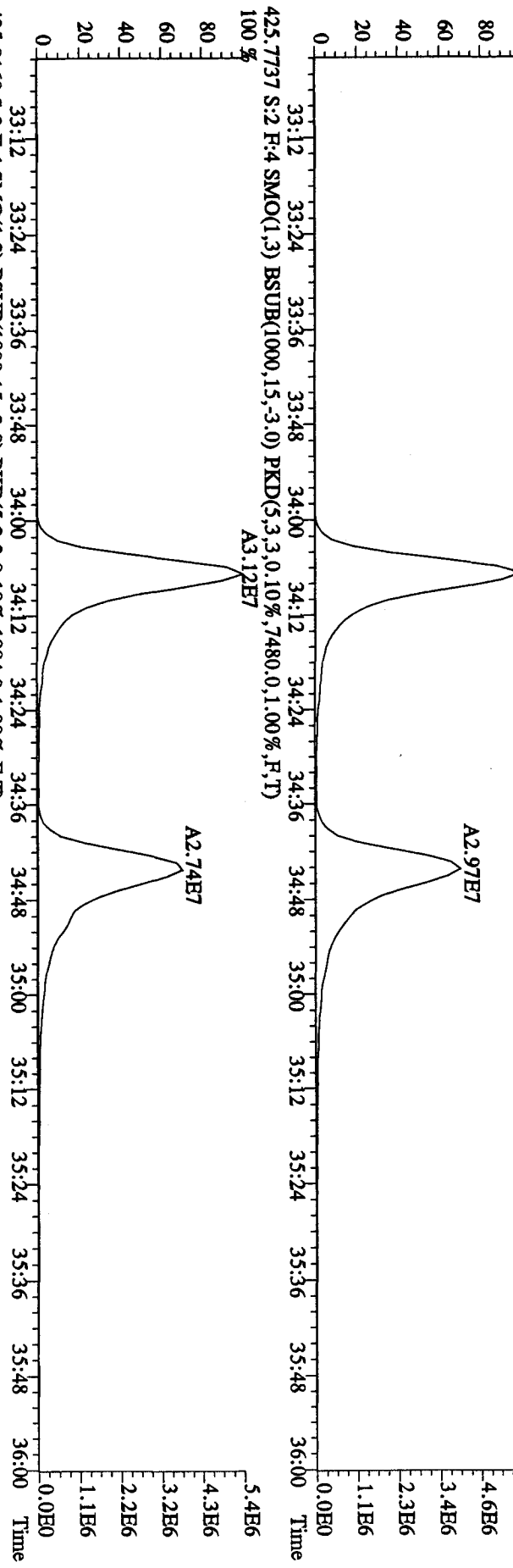
File:29AP101D5 #1-447 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CP5M 3732-05 Exp.:DIOXINRES
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7328.0,1.00%,F,T)



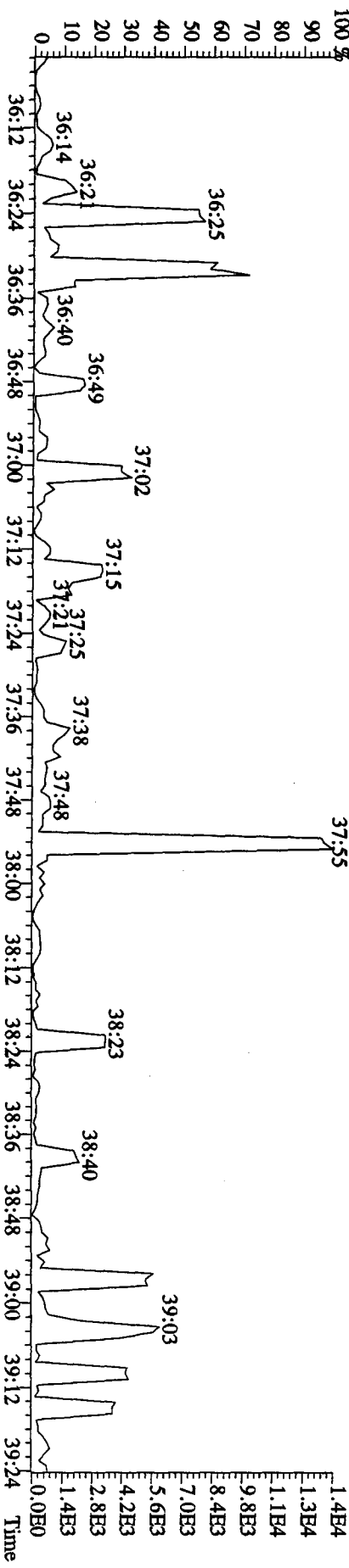
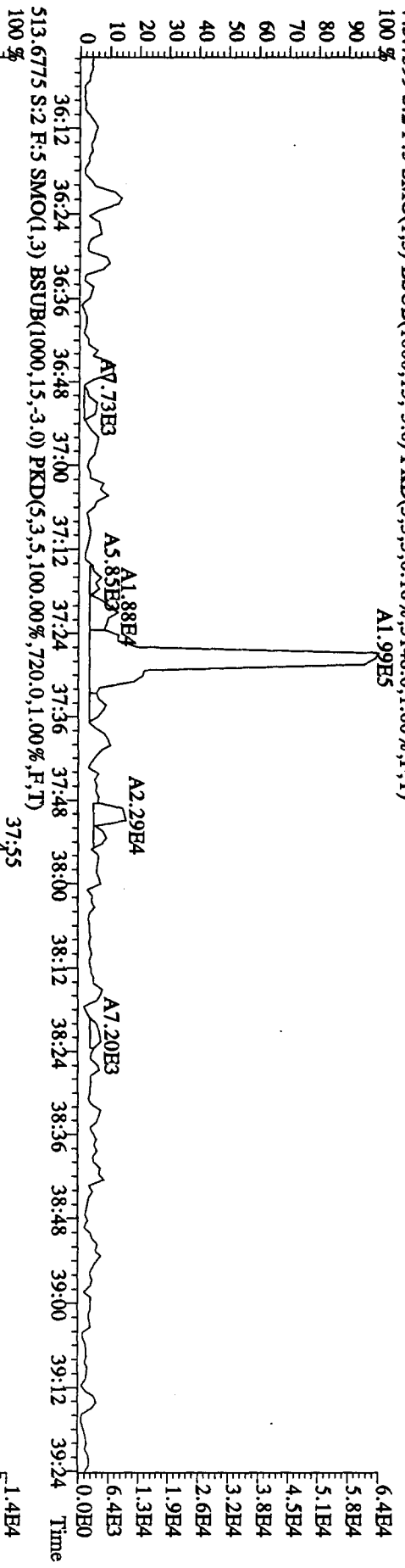
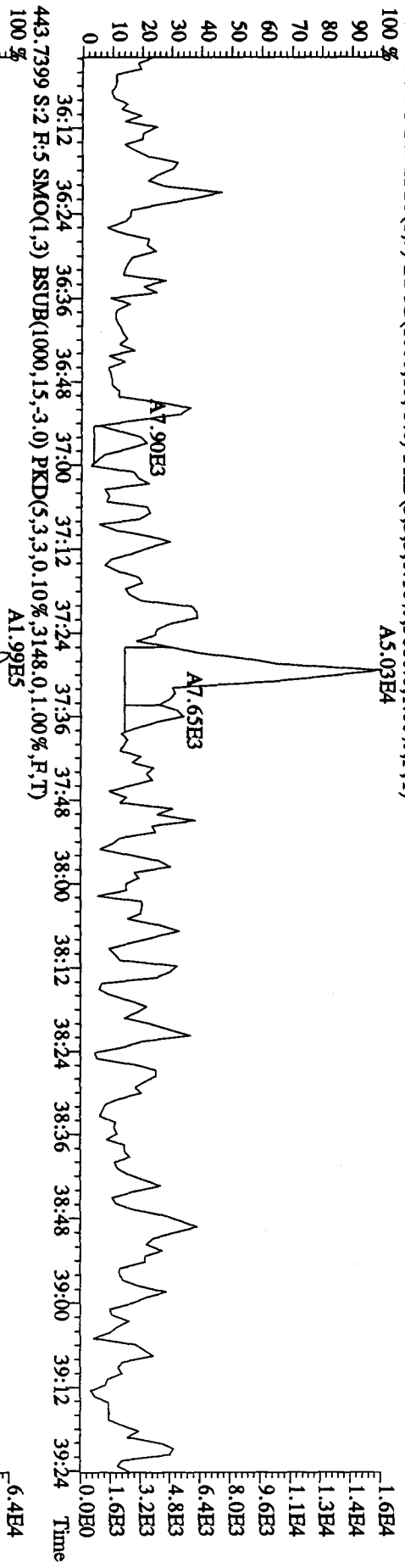
File:29AP101D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPISM 3732-05 Exp:DIOXINES
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21124.0,1.00%,F,T)



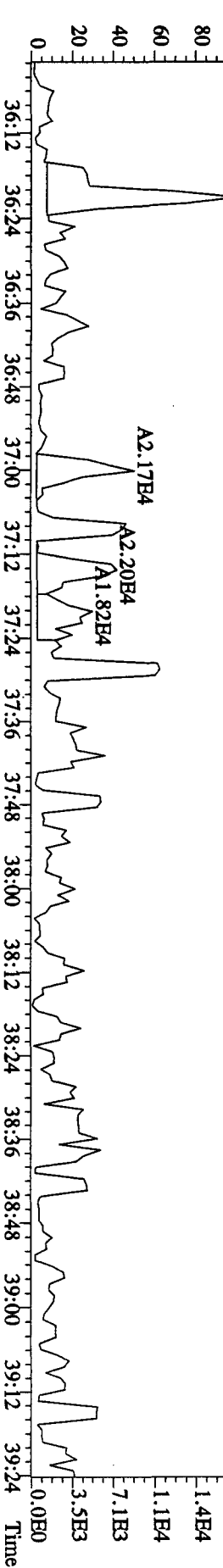
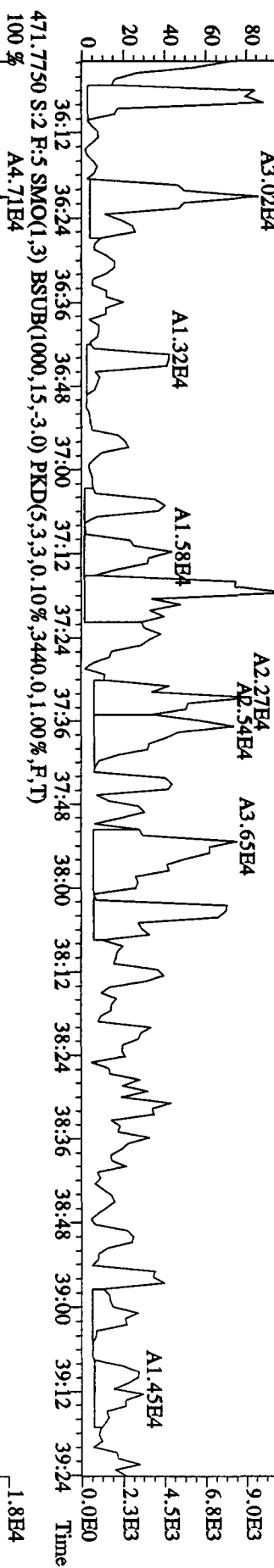
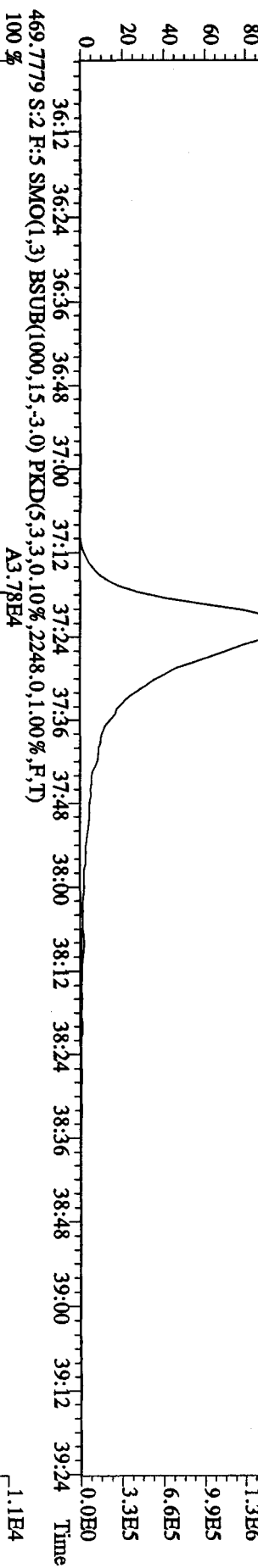
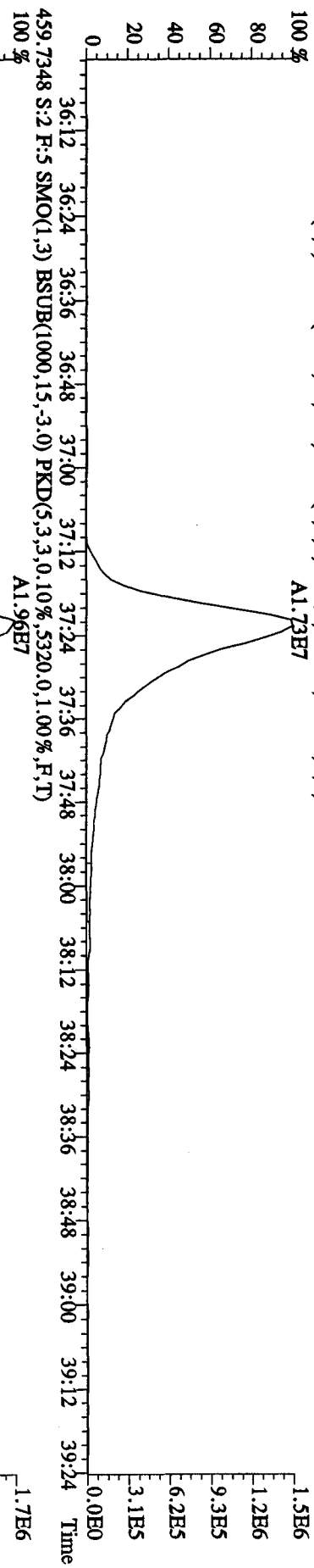
File:29ADP101D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12932.0,1.00%,F,T)



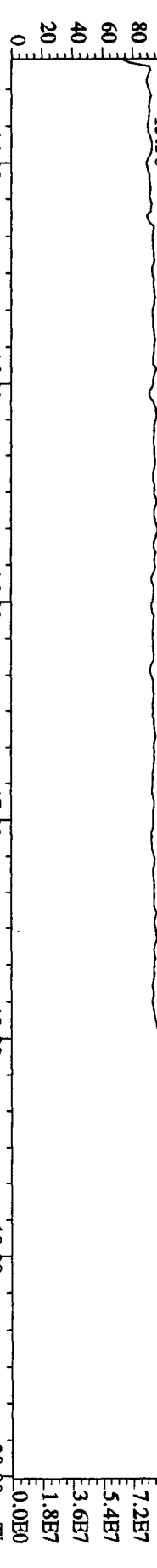
File: 29AD101D5 #1-244 Acq: 29-APR-2010 10:20:06 GC EI + Voltage SIR 70SE
 Sample#2 Text: CP0429 :DB-5 CPSM 3737-05 Exp: DIOXINRES
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3880,0,1.00%,F,T)
 100%



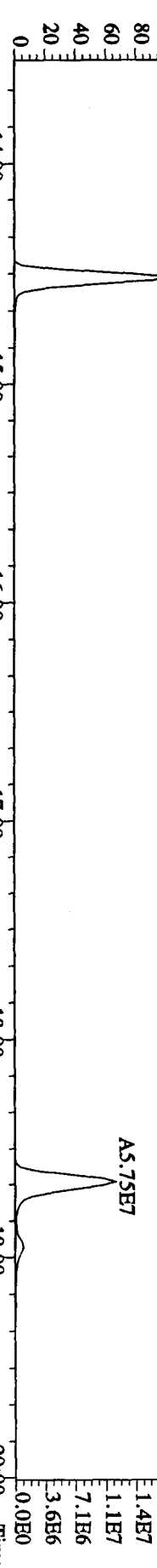
File: 29API0101D5 #1-244 Acq: 29-APR-2010 10:20:06 GC HI+ Voltage S1R 70SE
 Sample#2 Text: CP0429 :DB-5 CP5M 3732.05 Exp: DIOXINRES
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5236.0,1.00%,F,T)
 A1.73E7



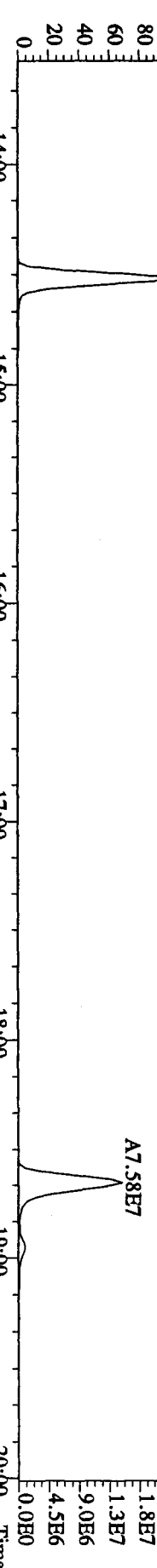
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 13:56 14:27 14:48 15:09 15:41 16:04 16:38 17:11 17:33 18:07 18:38 19:03 19:39



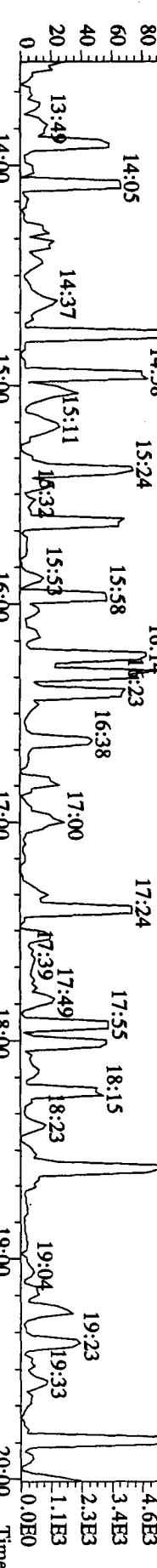
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7448.0,1.00%,F,T)
 100% 14:00 15:00 16:00 17:00 18:00 19:00 20:00



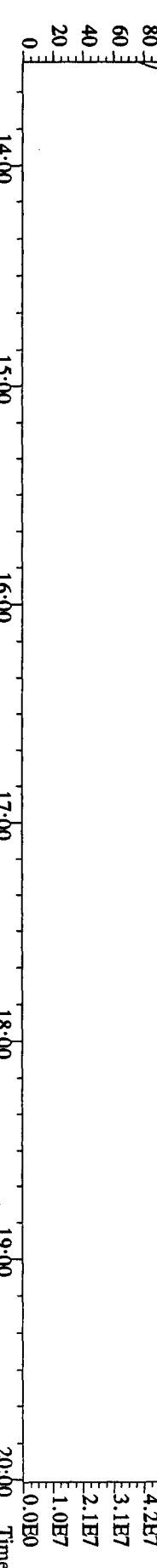
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4780.0,1.00%,F,T)
 100% 14:00 15:00 16:00 17:00 18:00 19:00 20:00



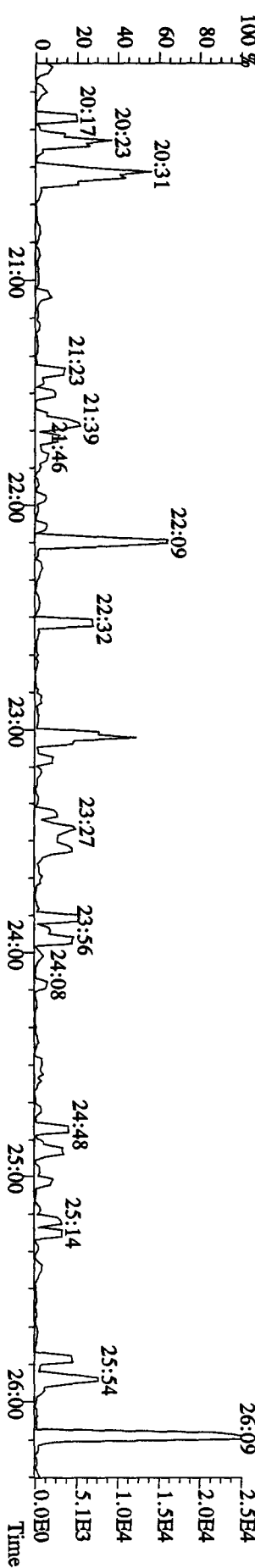
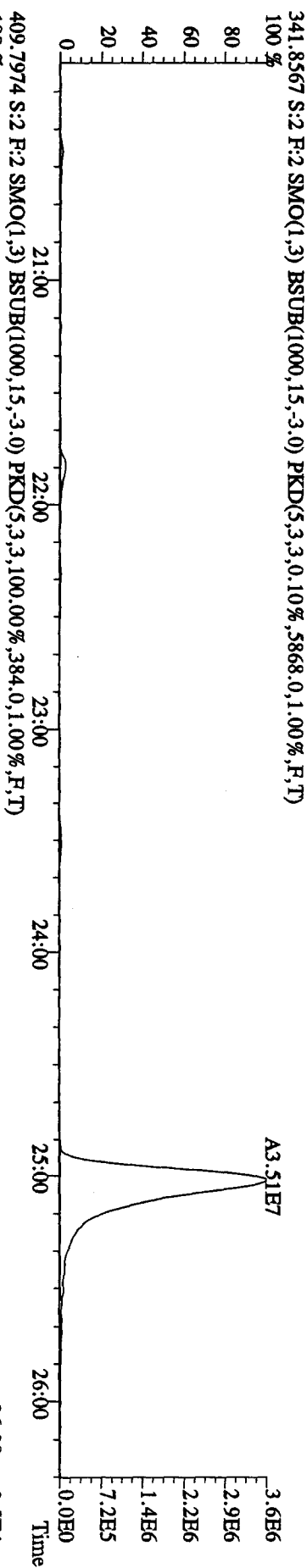
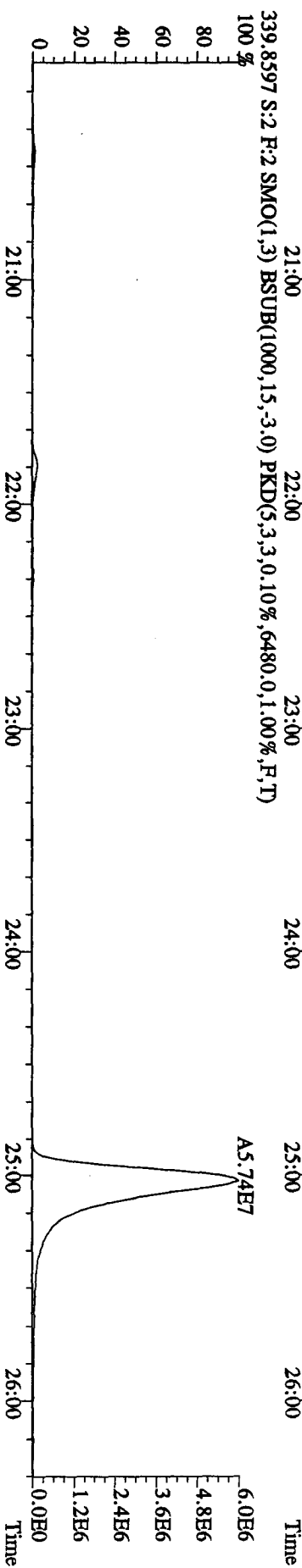
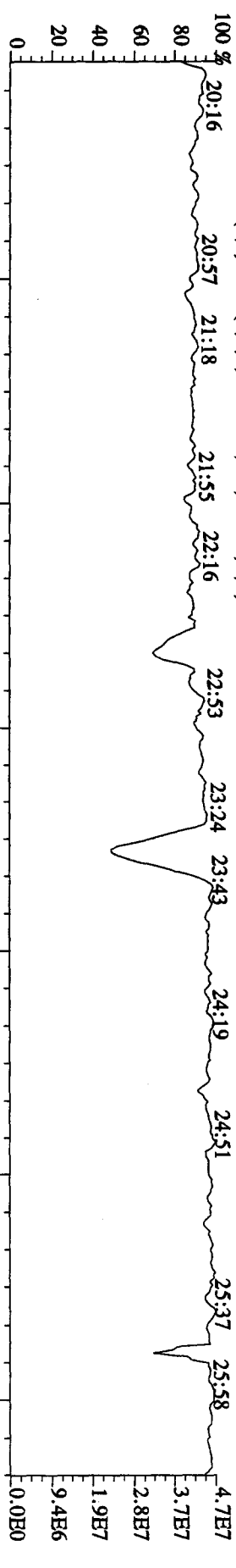
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,448.0,1.00%,F,T)
 100% 14:00 15:00 16:00 17:00 18:00 19:00 20:00

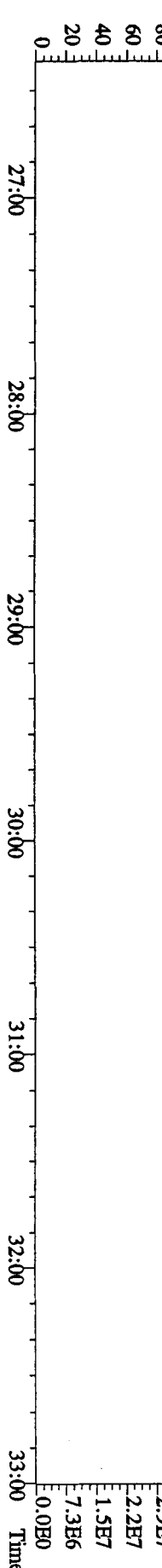
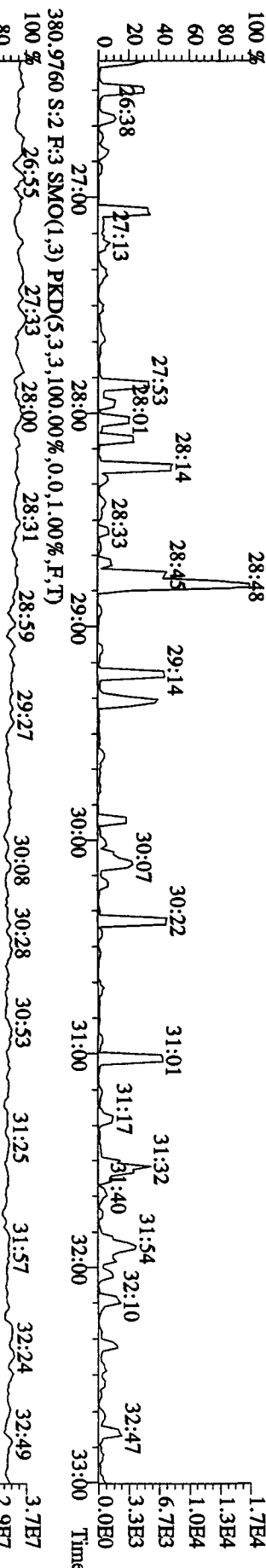
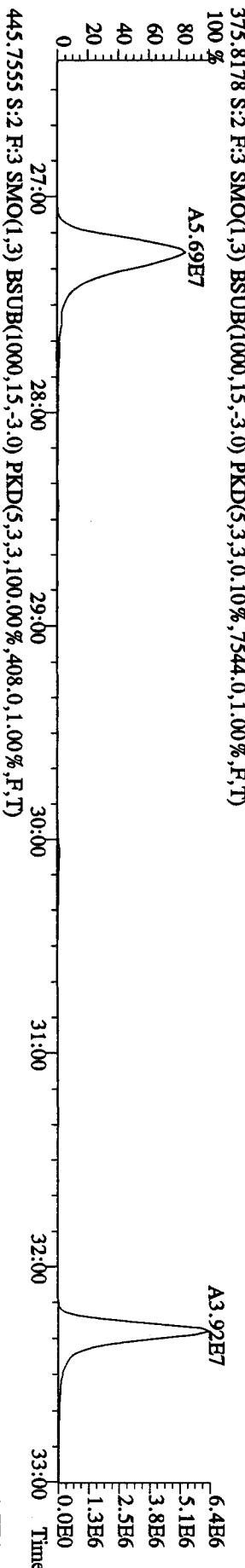
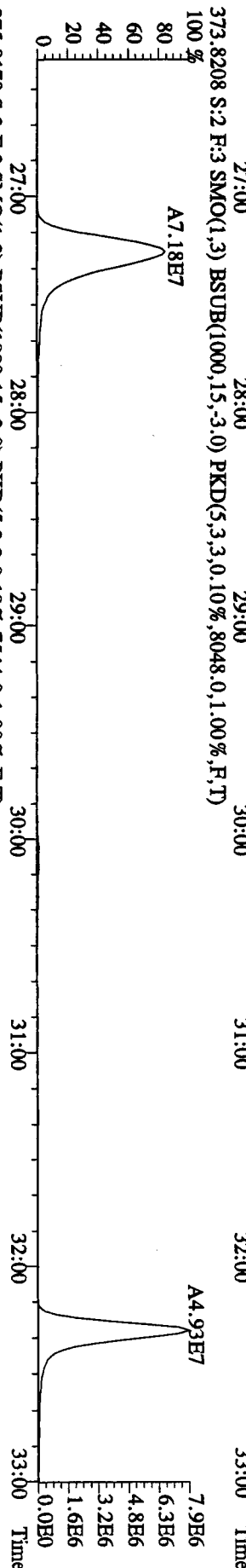
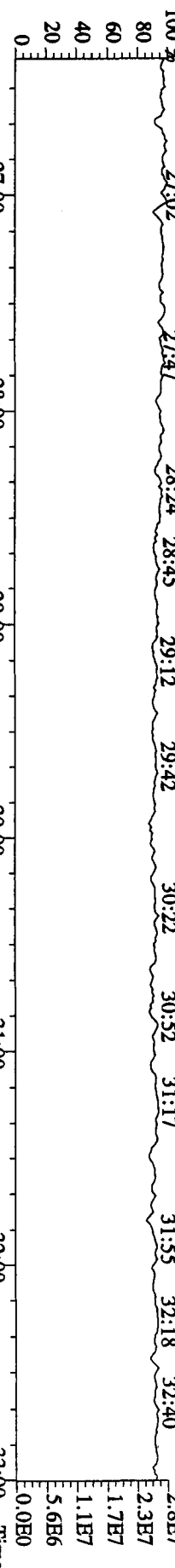


330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 13:48 14:26 15:02 15:28 15:58 16:39 17:19 17:42 18:05 18:34 19:11 19:38

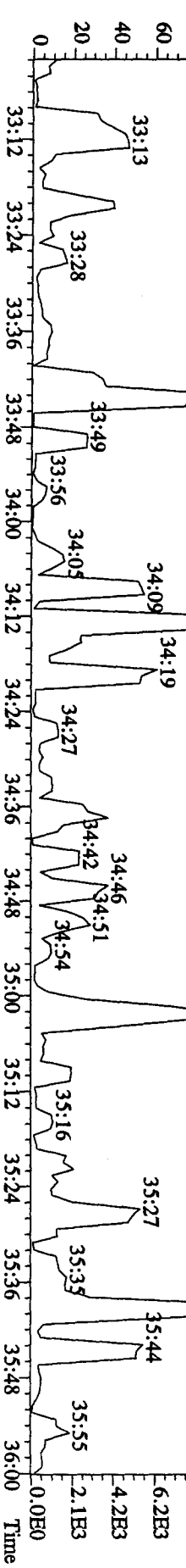
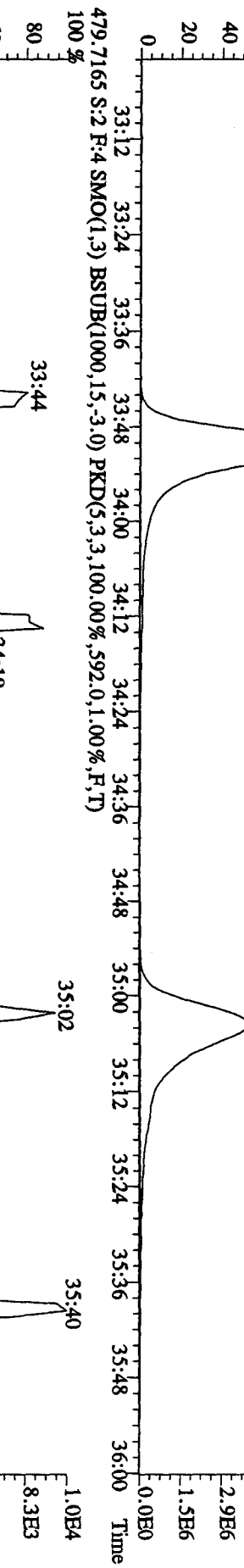
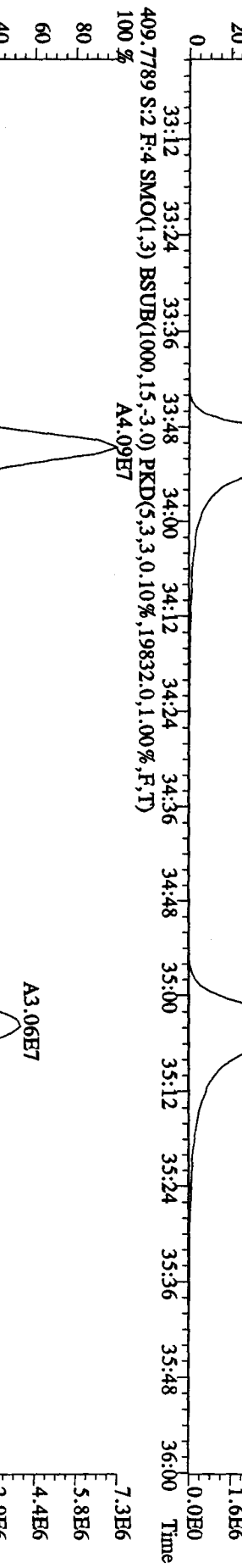
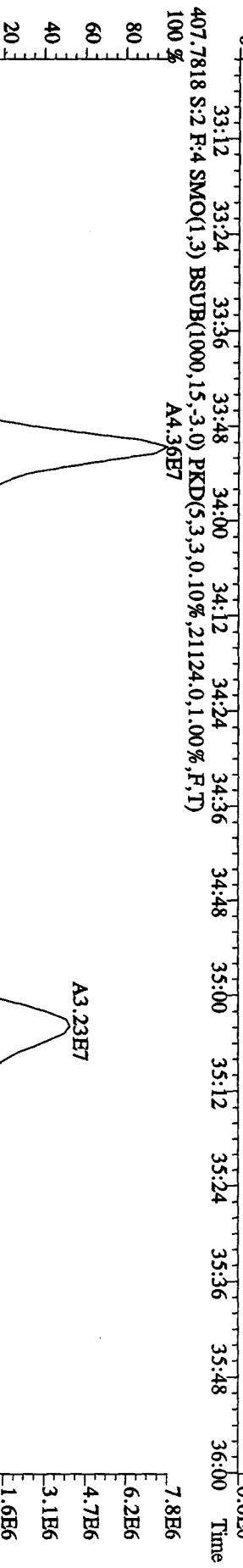
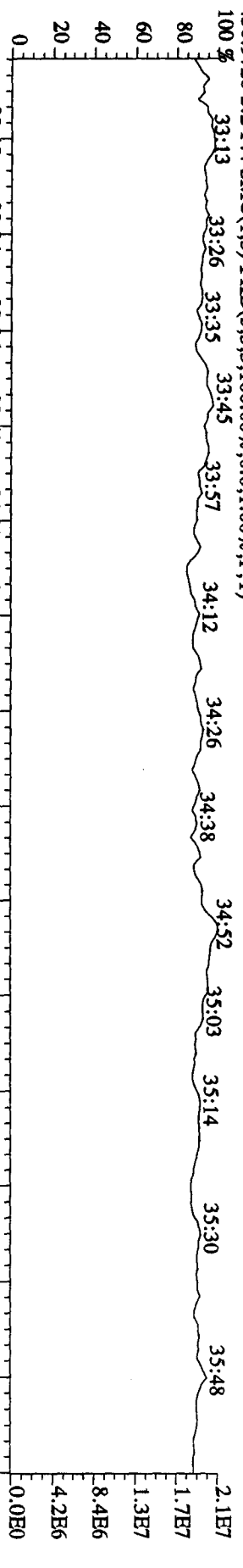


File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CP5M 3732-05 Exp:DIOXINRES

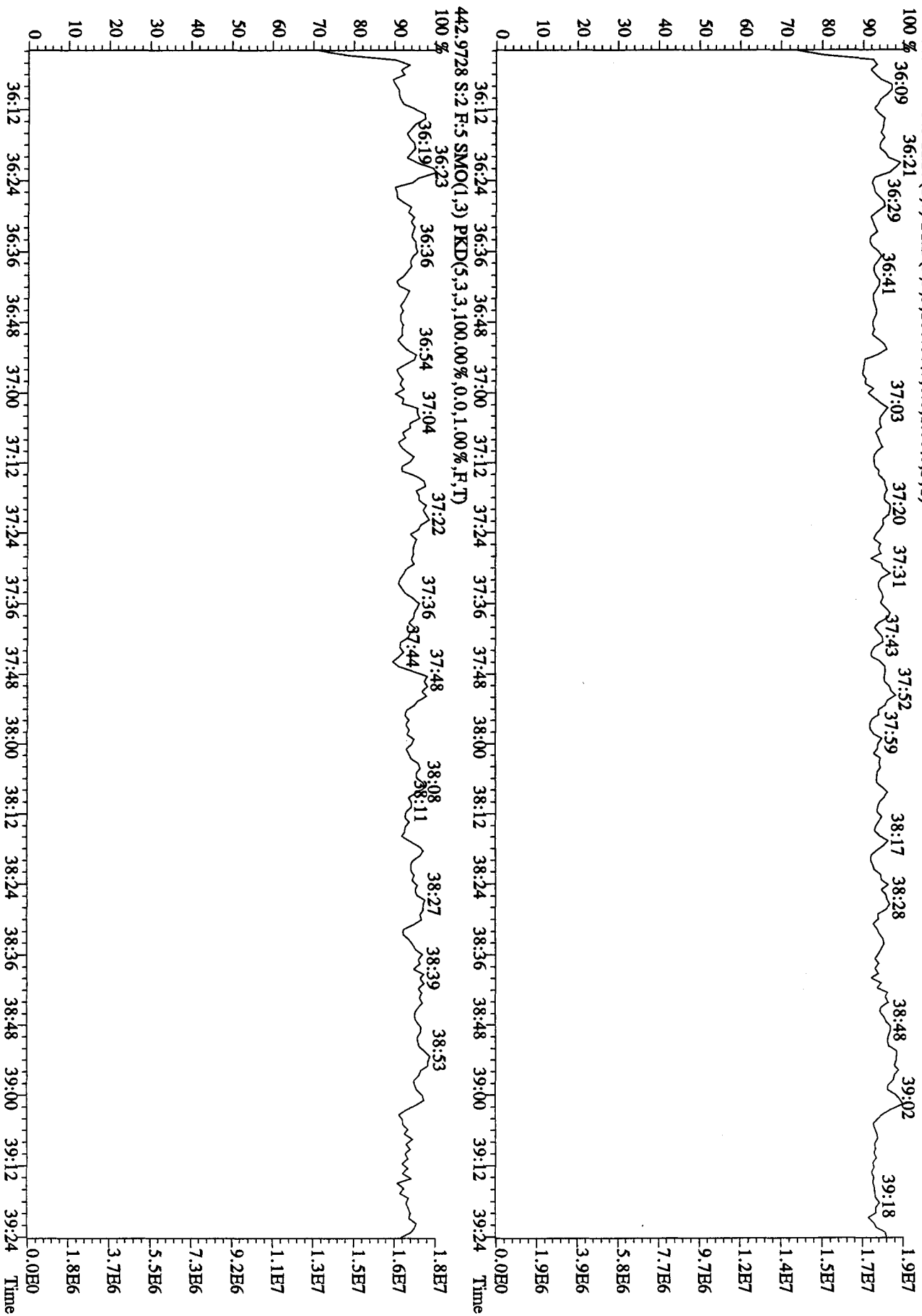




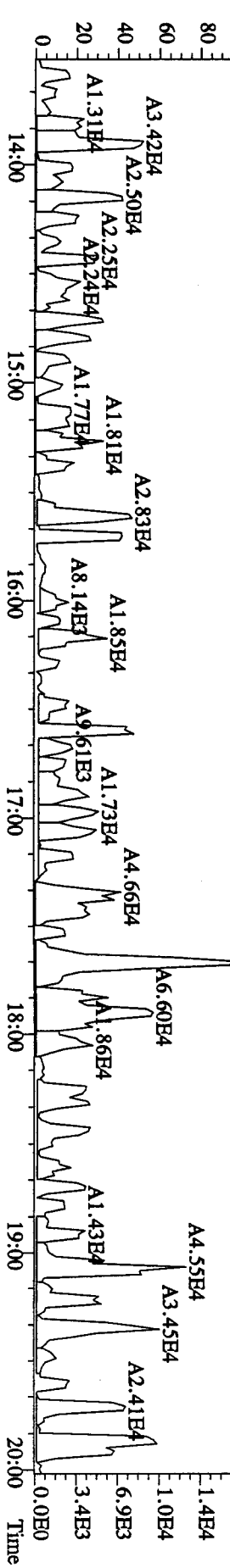
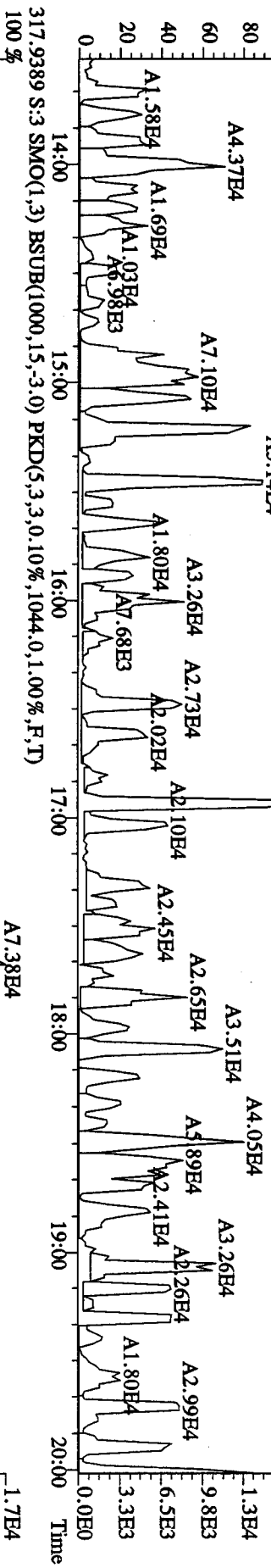
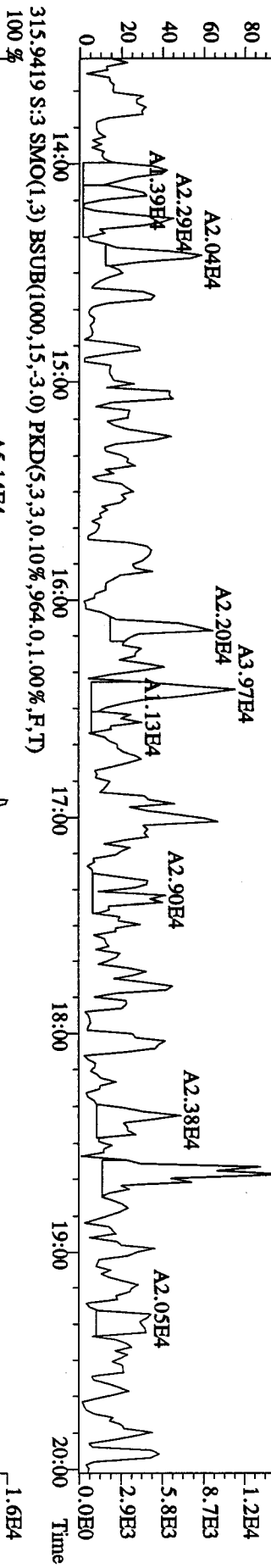
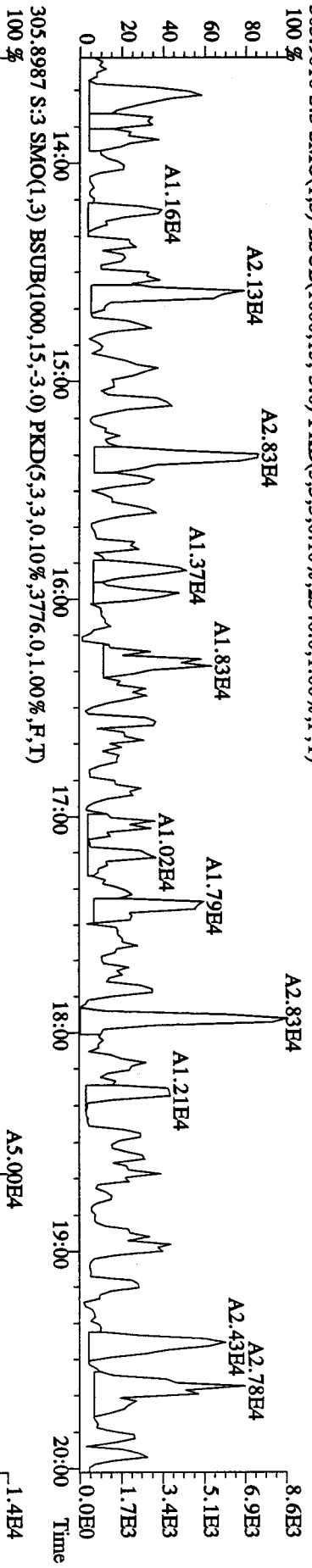
File:29AP1010D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI + Voltage SFR 70SE
 Sample#2 Text:CP0429 :DB-5 CP5M 3732.05 Exp:DIOXINRES
 430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



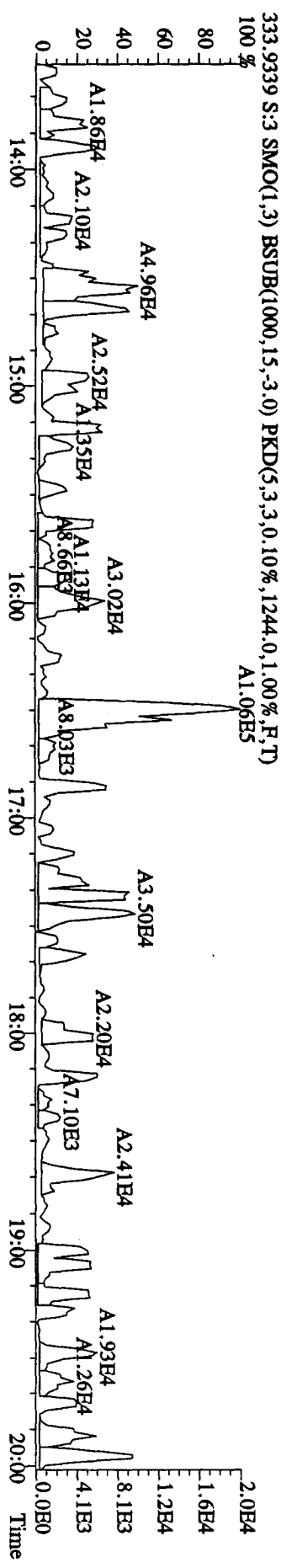
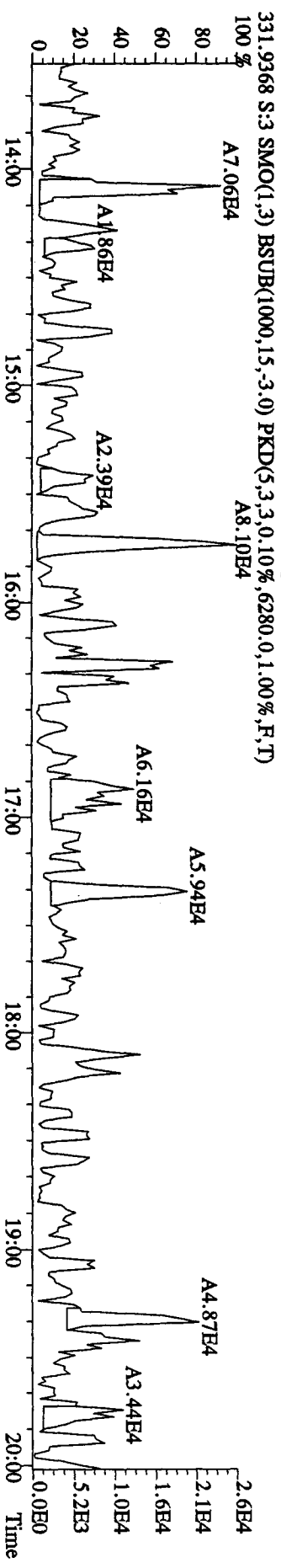
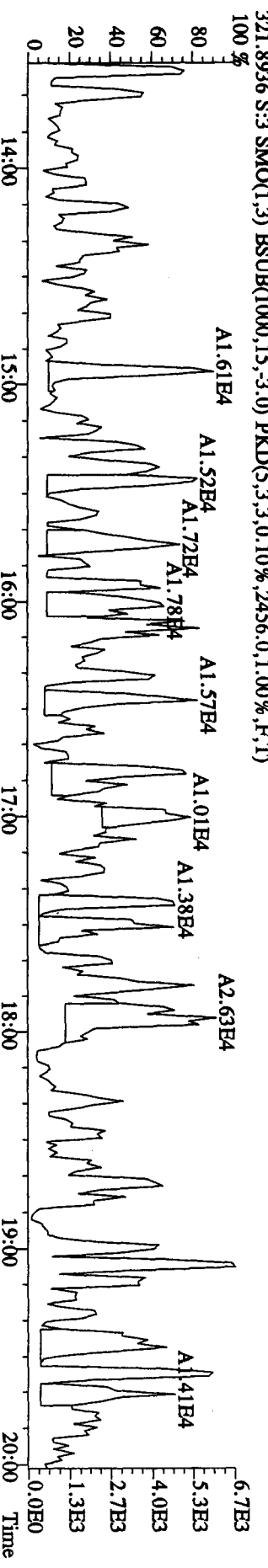
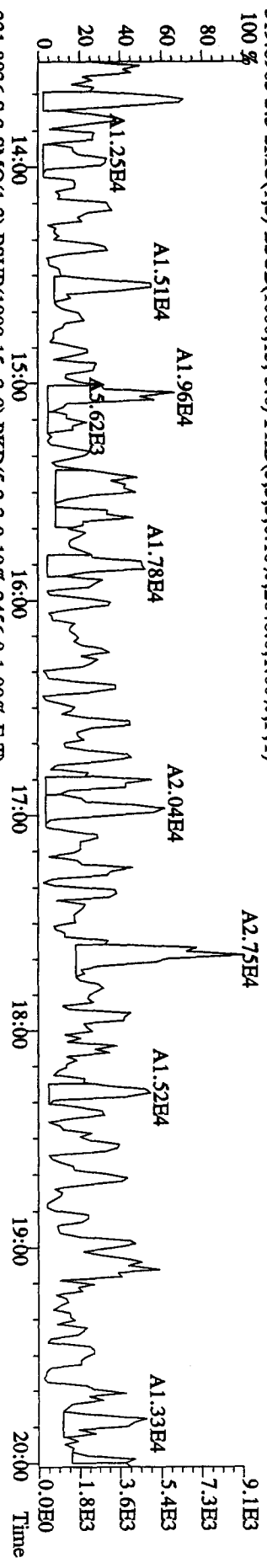
File:29ADP101D5 #1-244 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



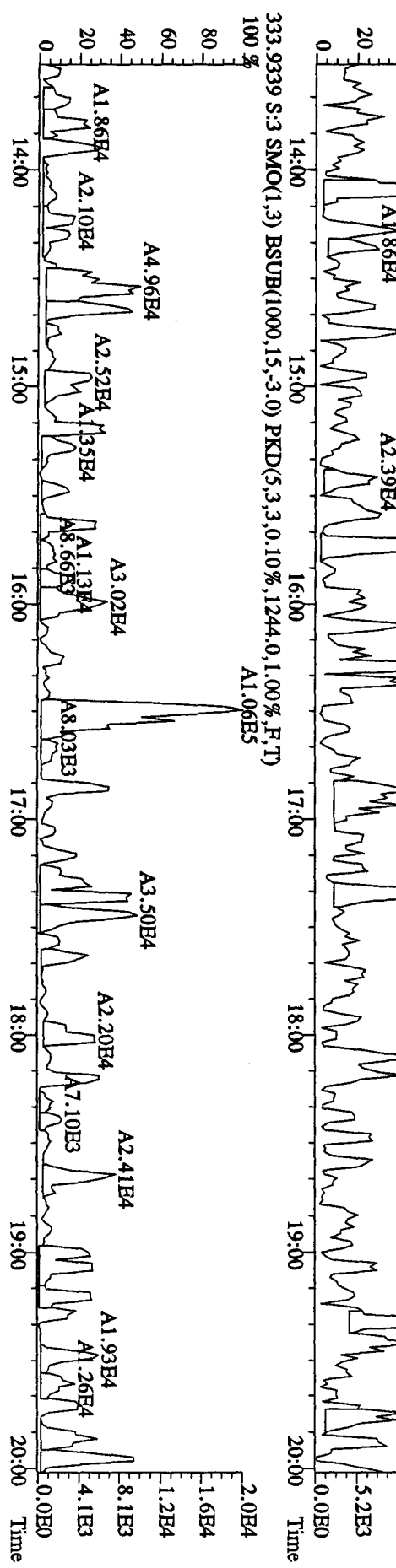
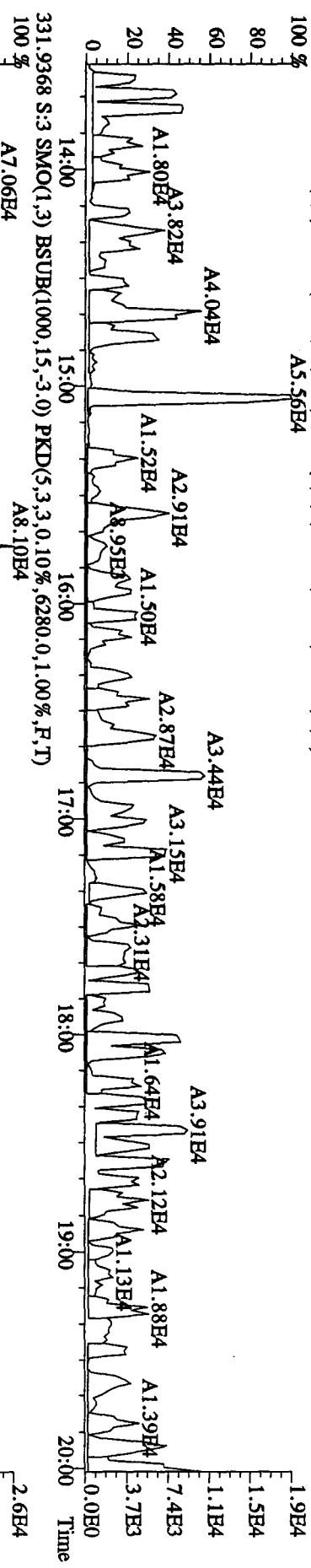
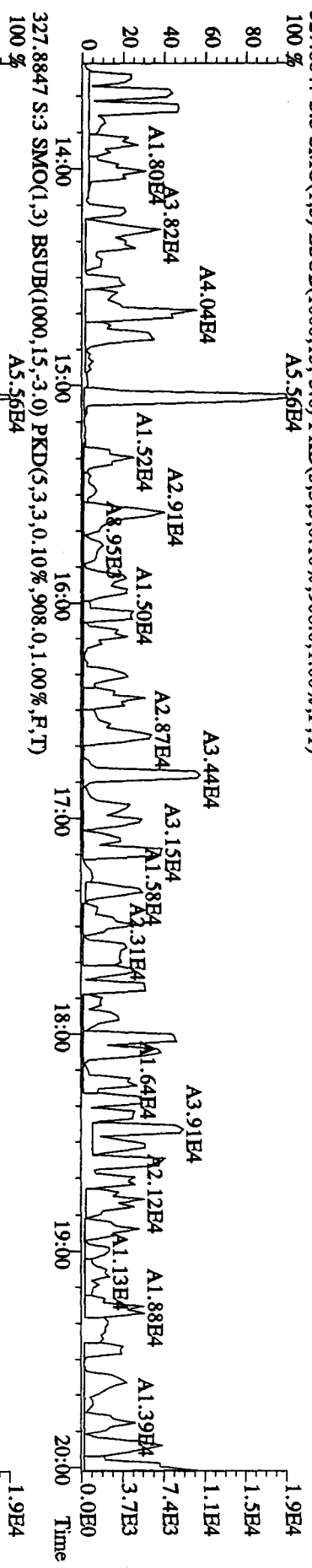
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2340,0,1,00%,F,T)



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)



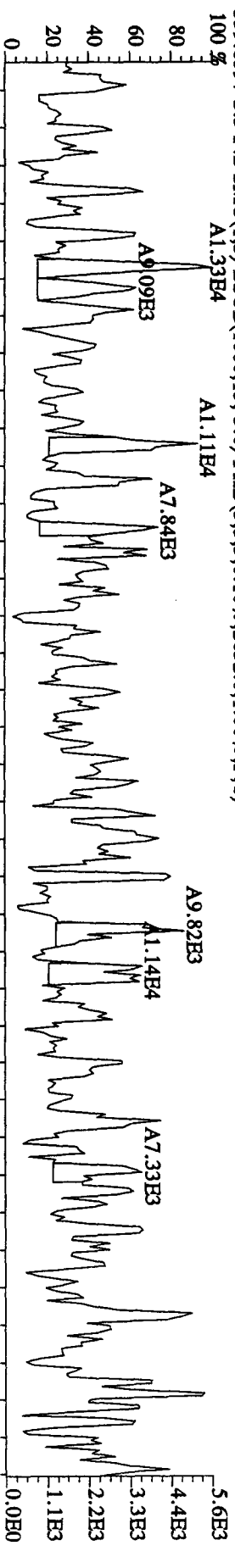
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 705E
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp.:DIOXINRES
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)
 100%



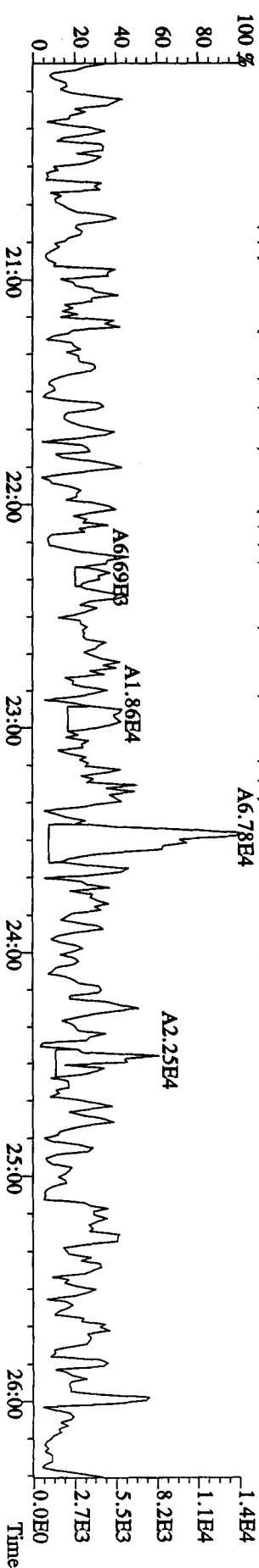
File:29AP1010D5 #1-444 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 705E

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

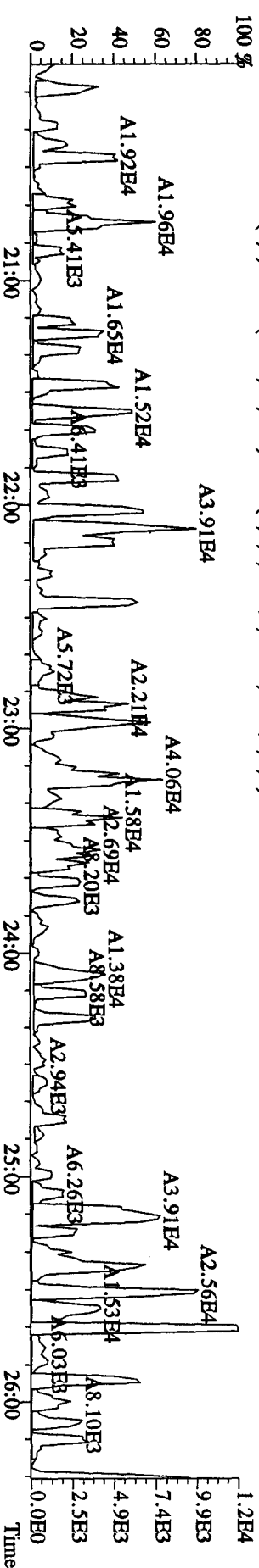
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2632.0,1.00%,F,T)



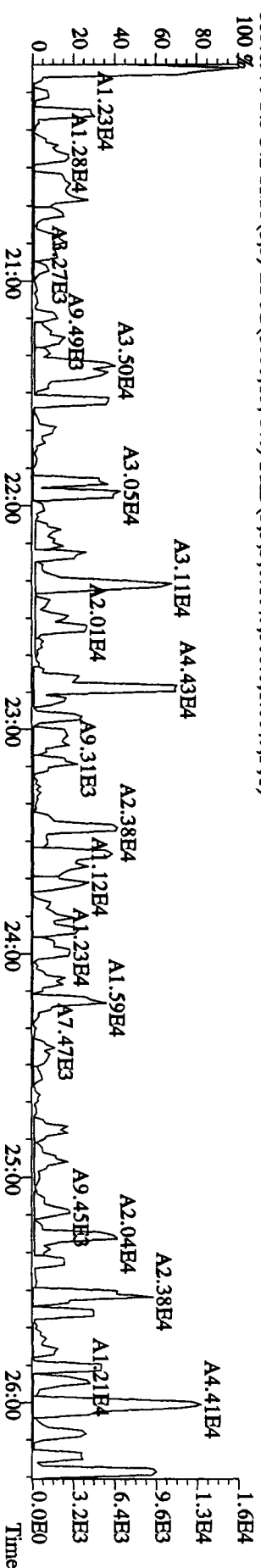
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4872.0,1.00%,F,T)



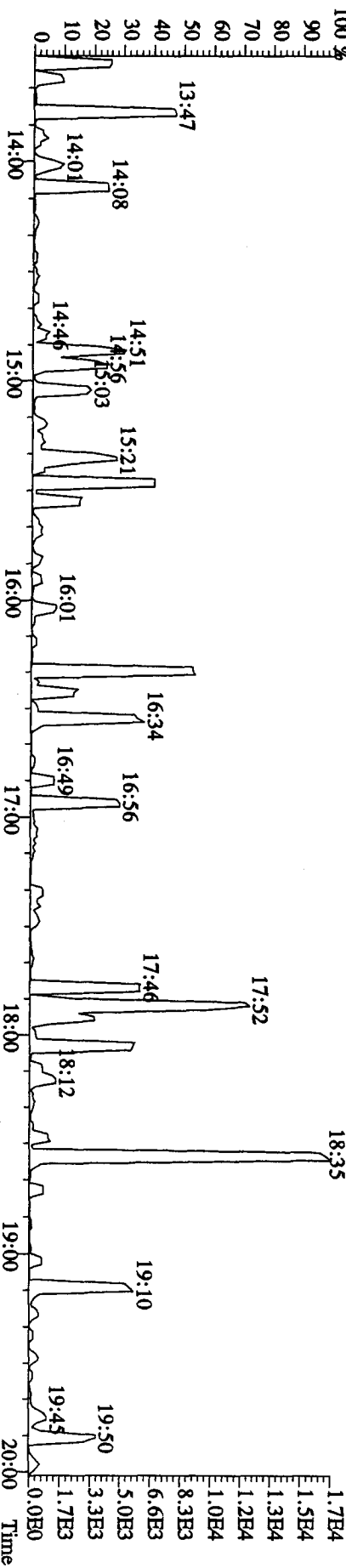
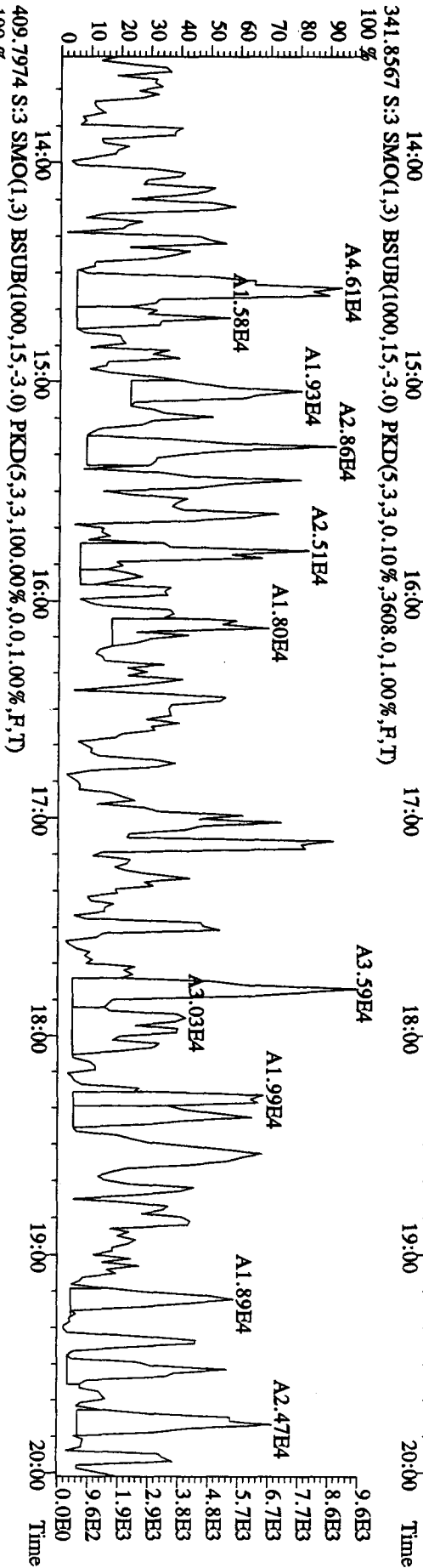
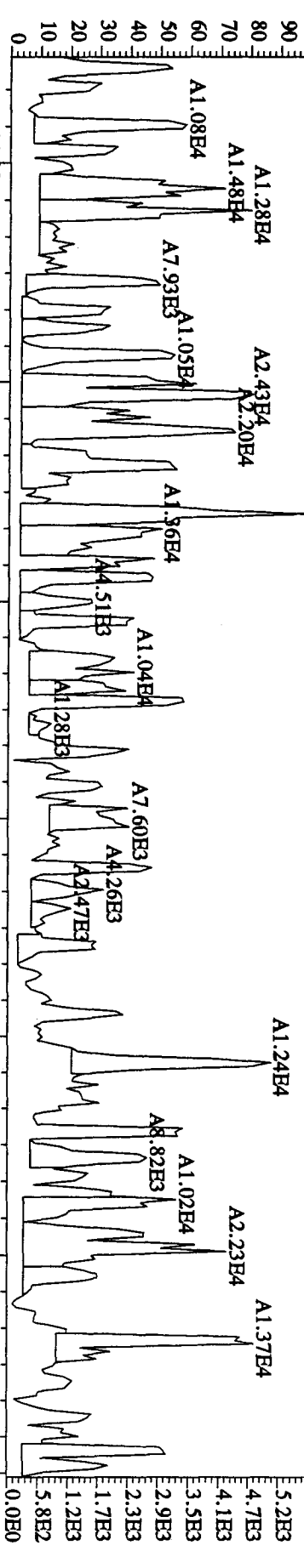
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,724.0,1.00%,F,T)



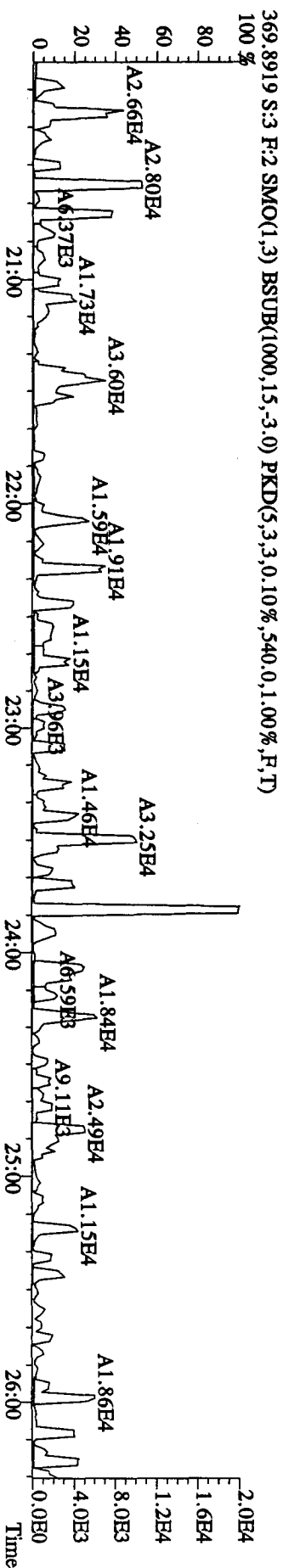
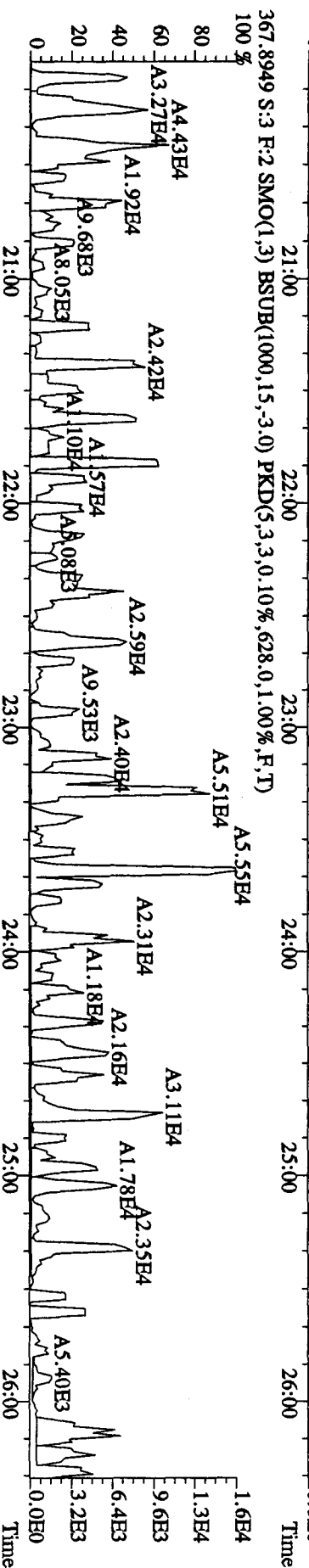
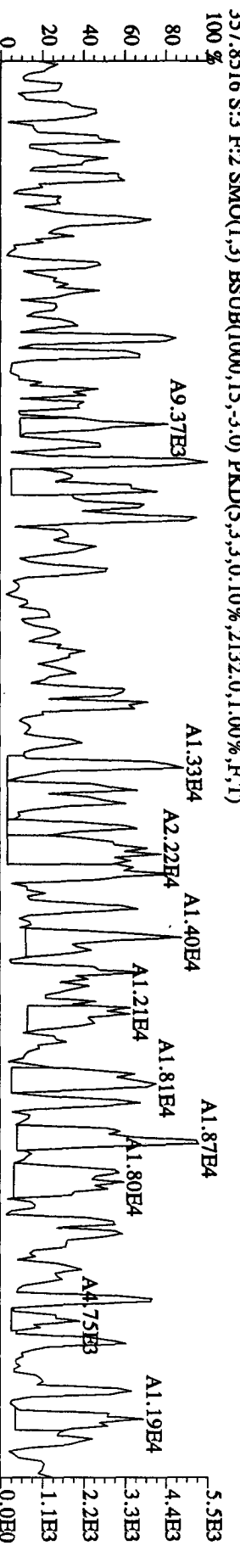
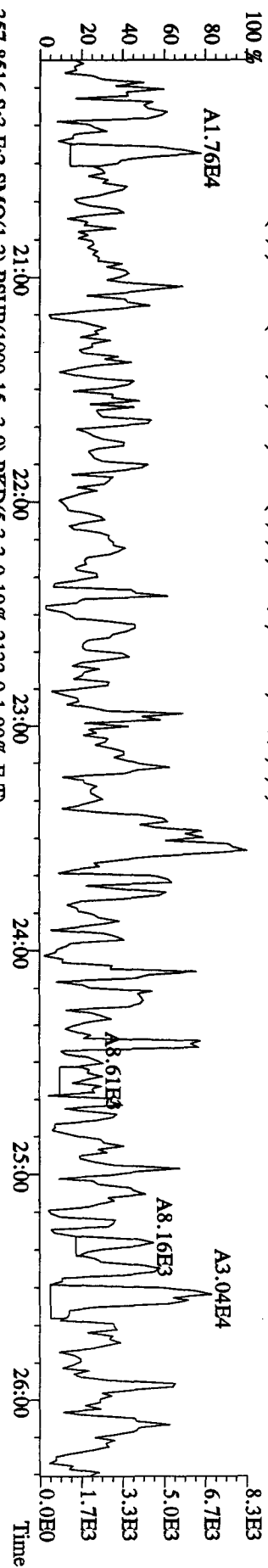
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,508.0,1.00%,F,T)



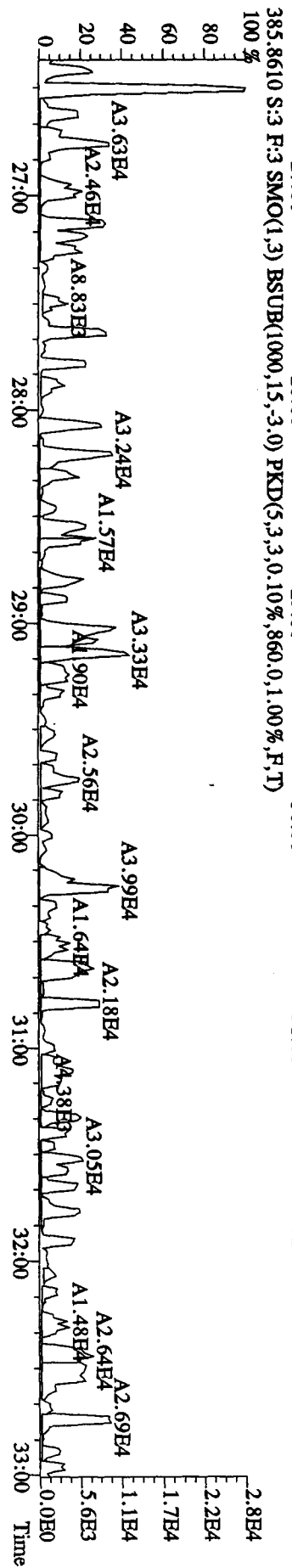
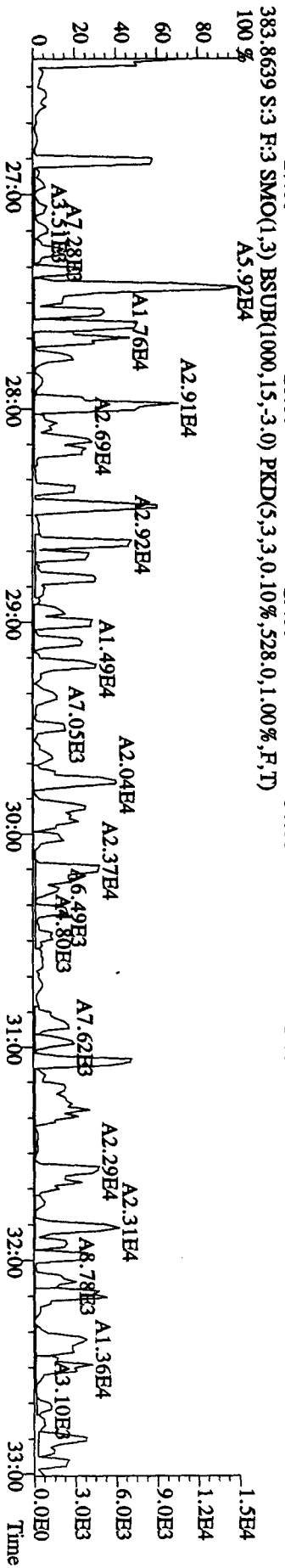
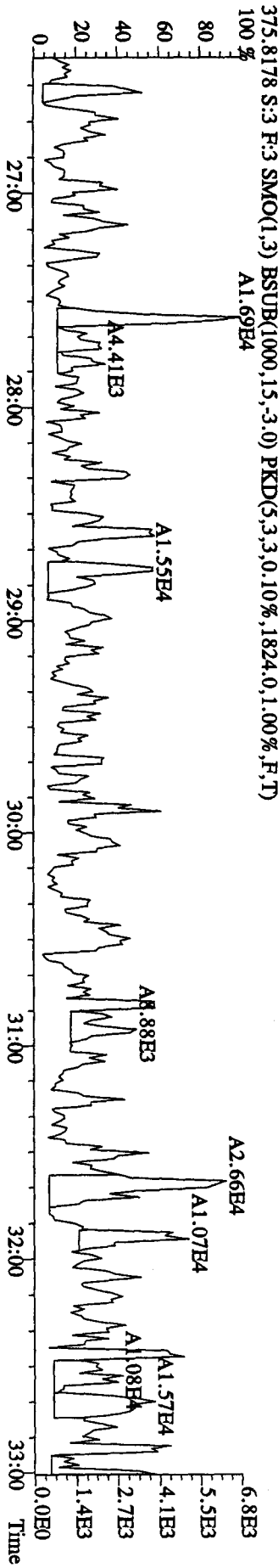
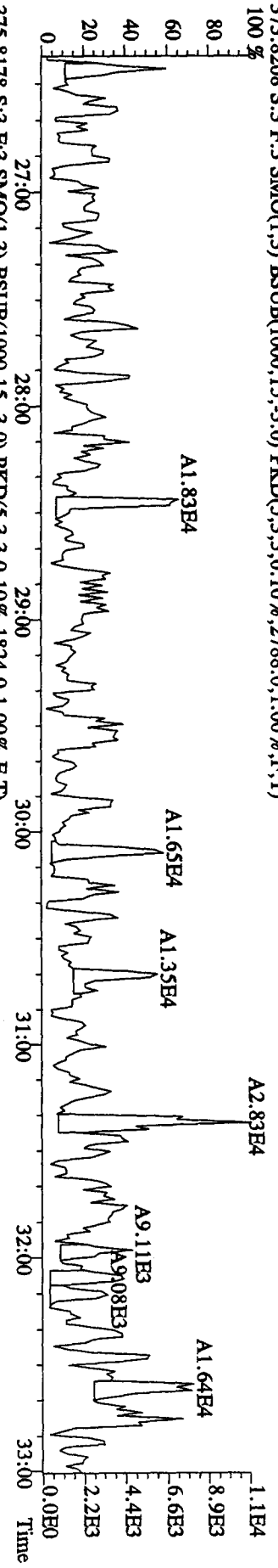
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp.:DIOXINRES
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)
 100 % A1.91E4



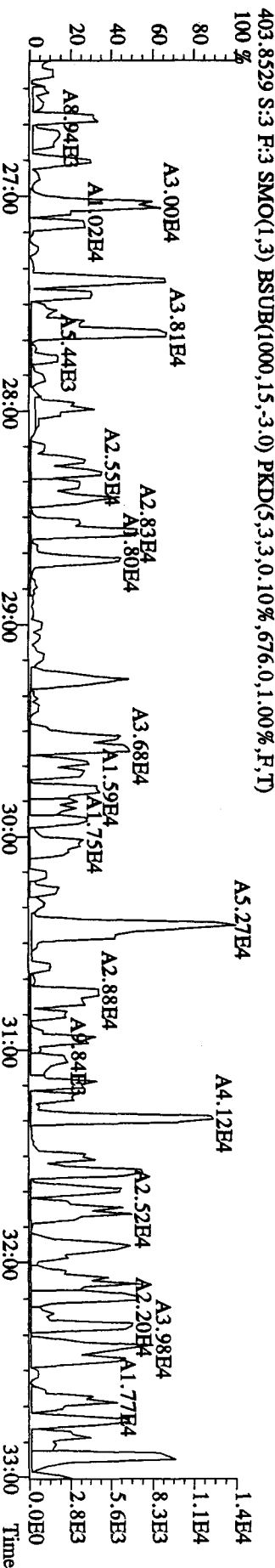
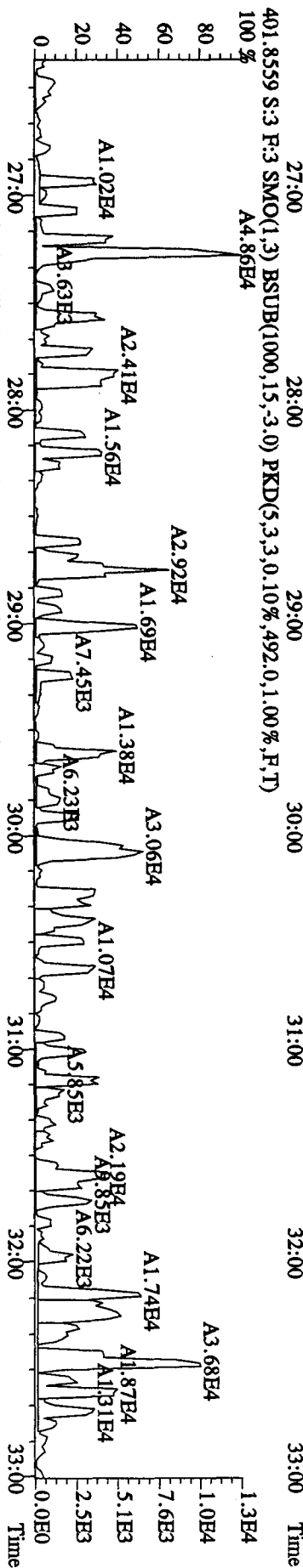
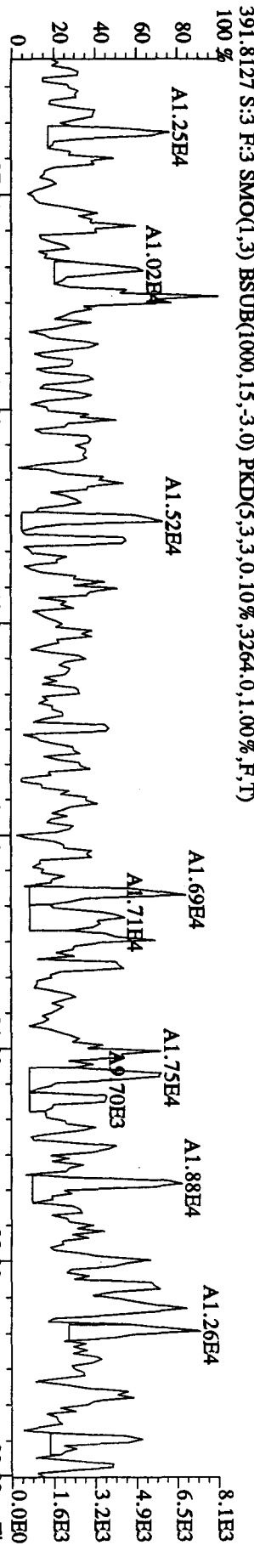
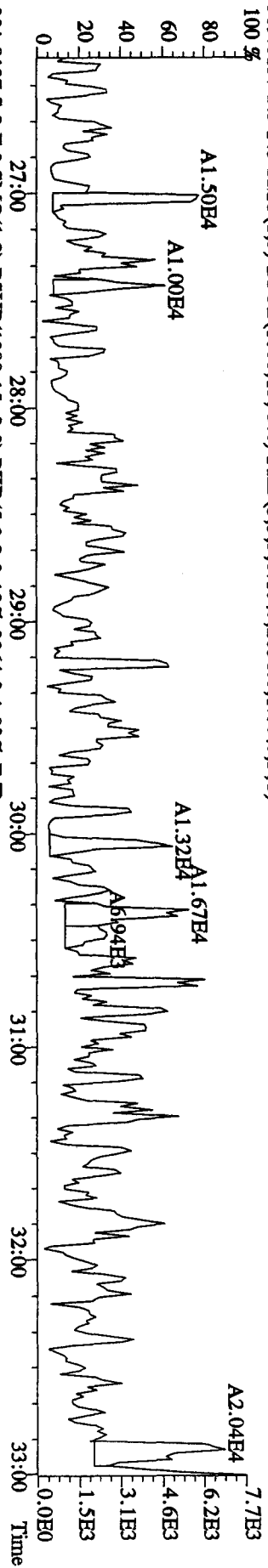
File:29AP101D5 #1-444 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp.:DIOXINRES
 355 8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3660,0,1,00%,F,T)
 100 %



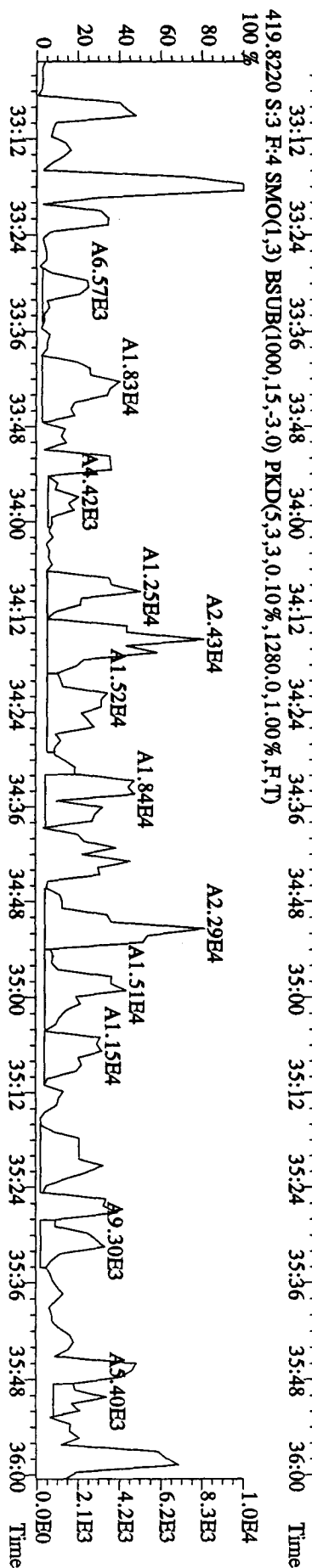
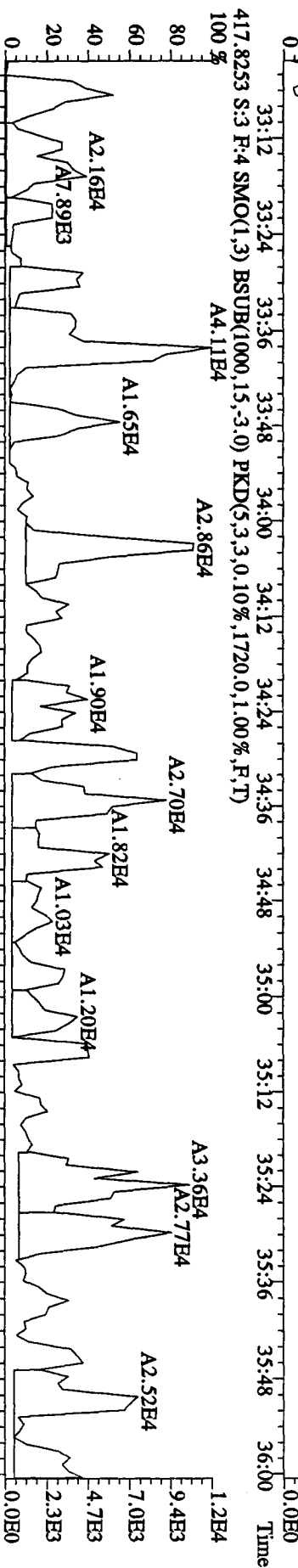
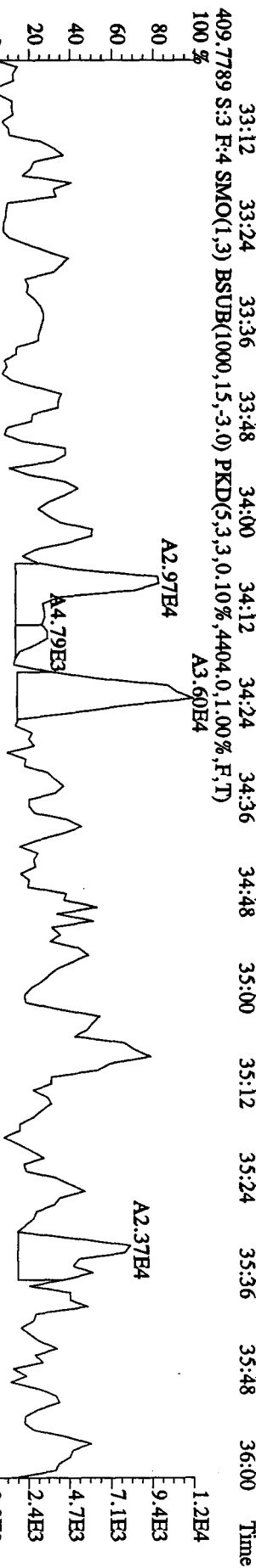
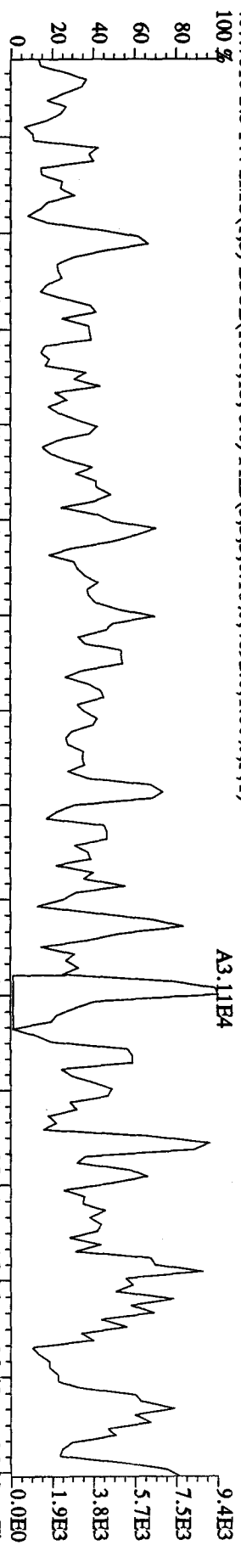
File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp.:DIOXINRES
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2788.0,1.00%,F,T)

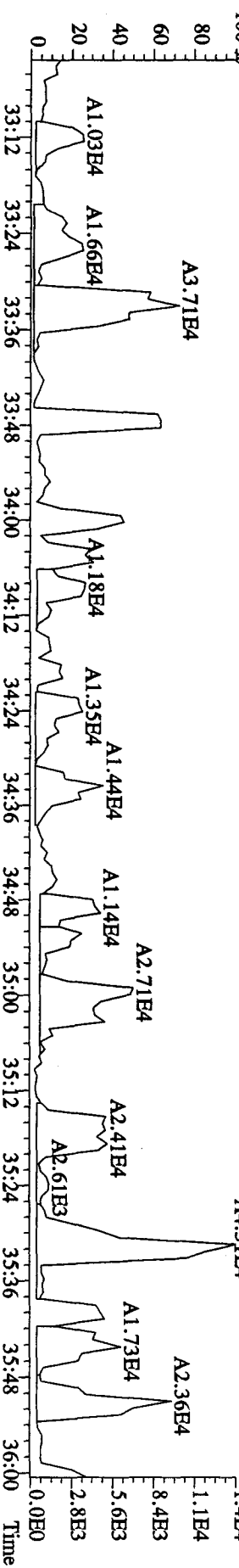
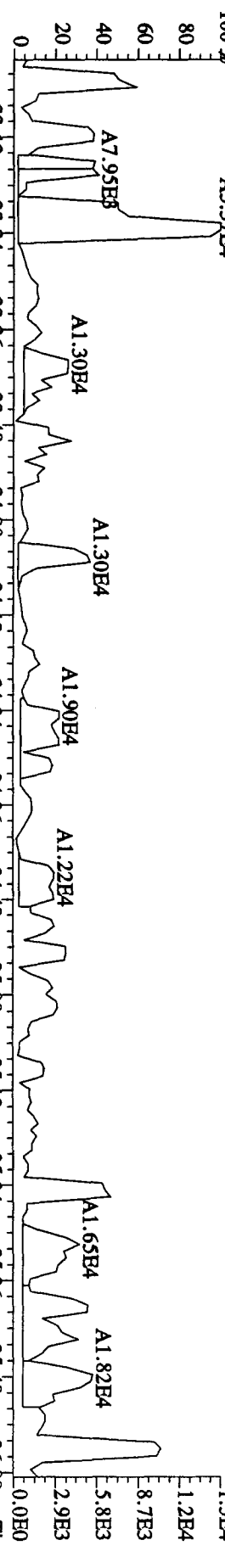
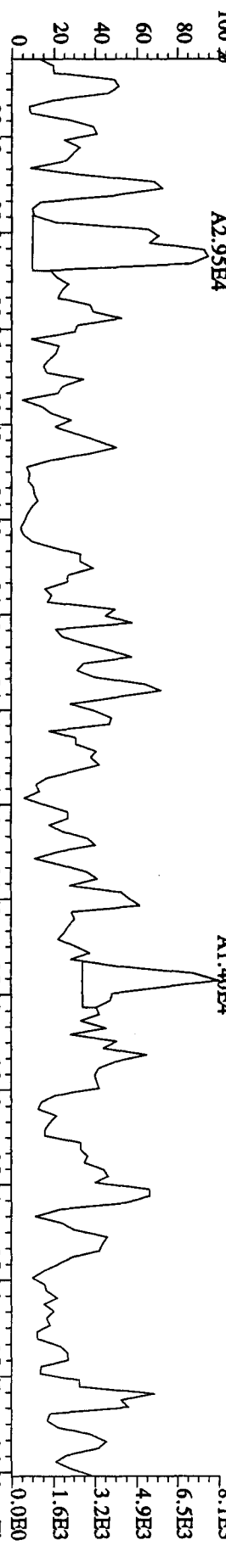
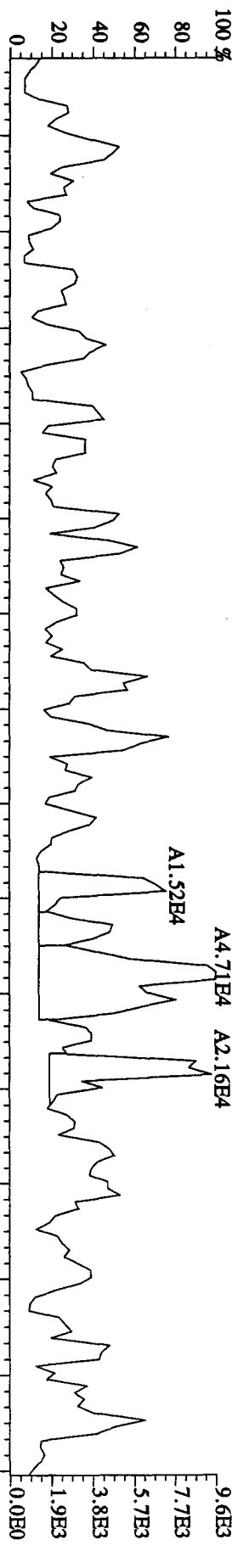


File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836,0.1,00%,F,T)
 100%

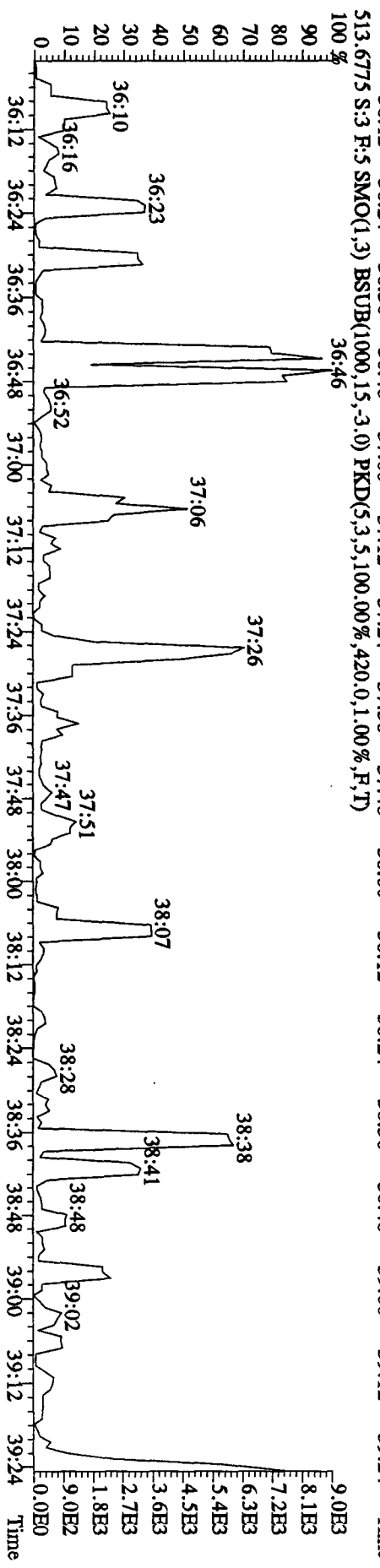
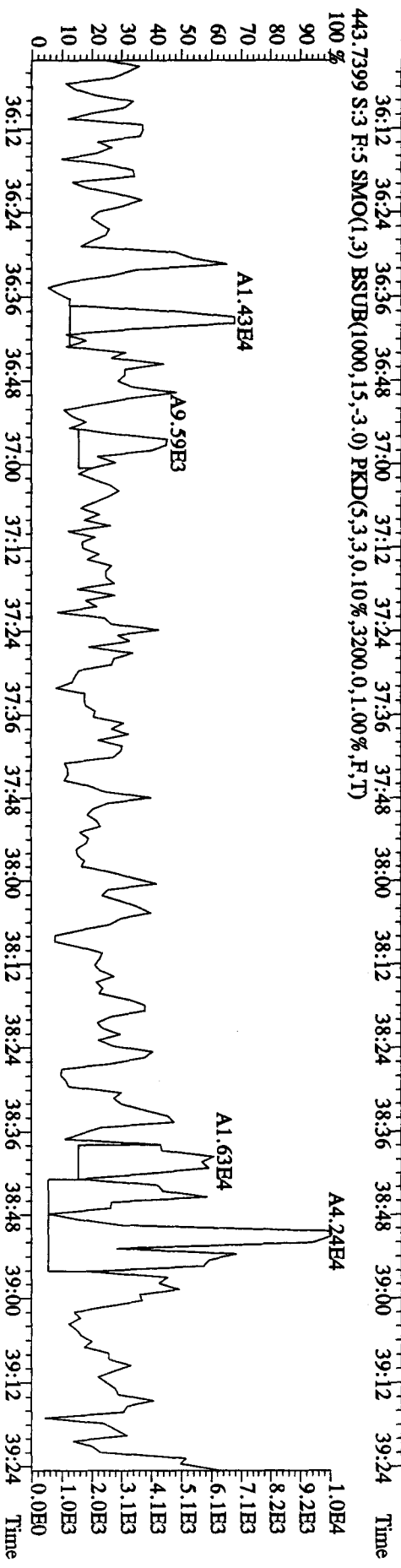
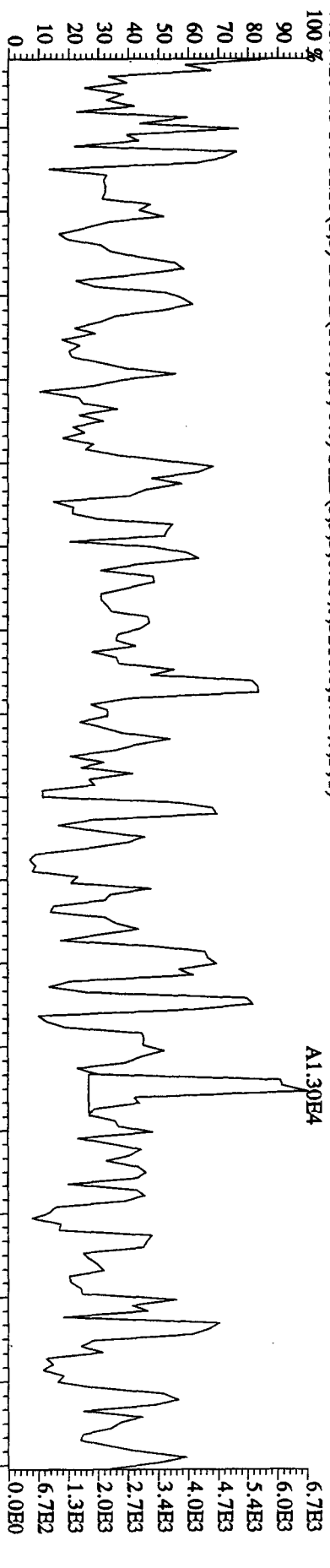


File:29AP101D5 #1-210 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 .Solvent Blank C-14 Exp:DIOXINRES
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4692.0,1.00%,F,T)

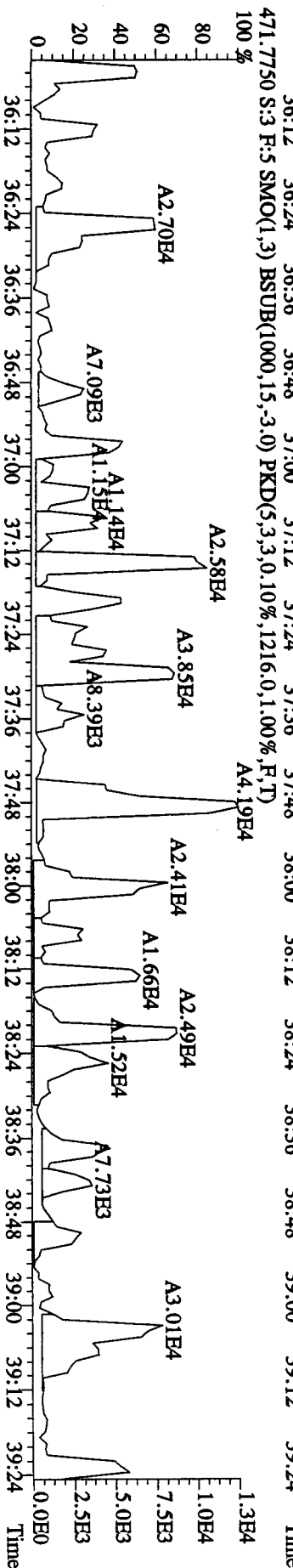
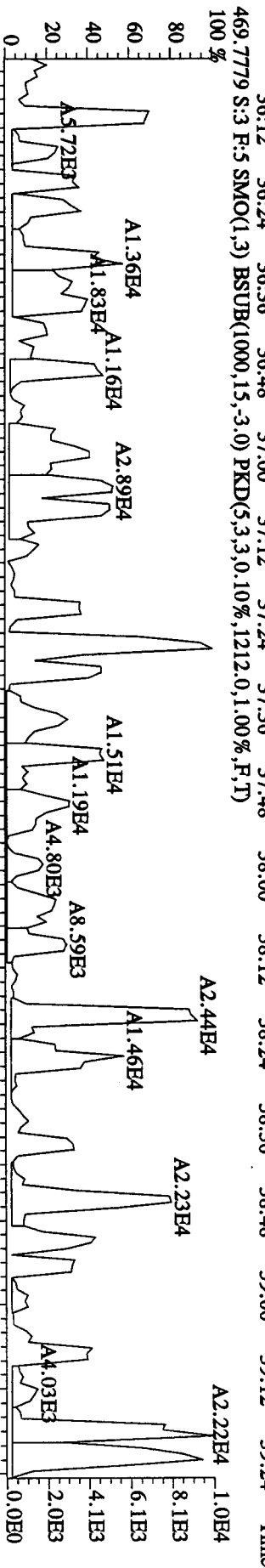
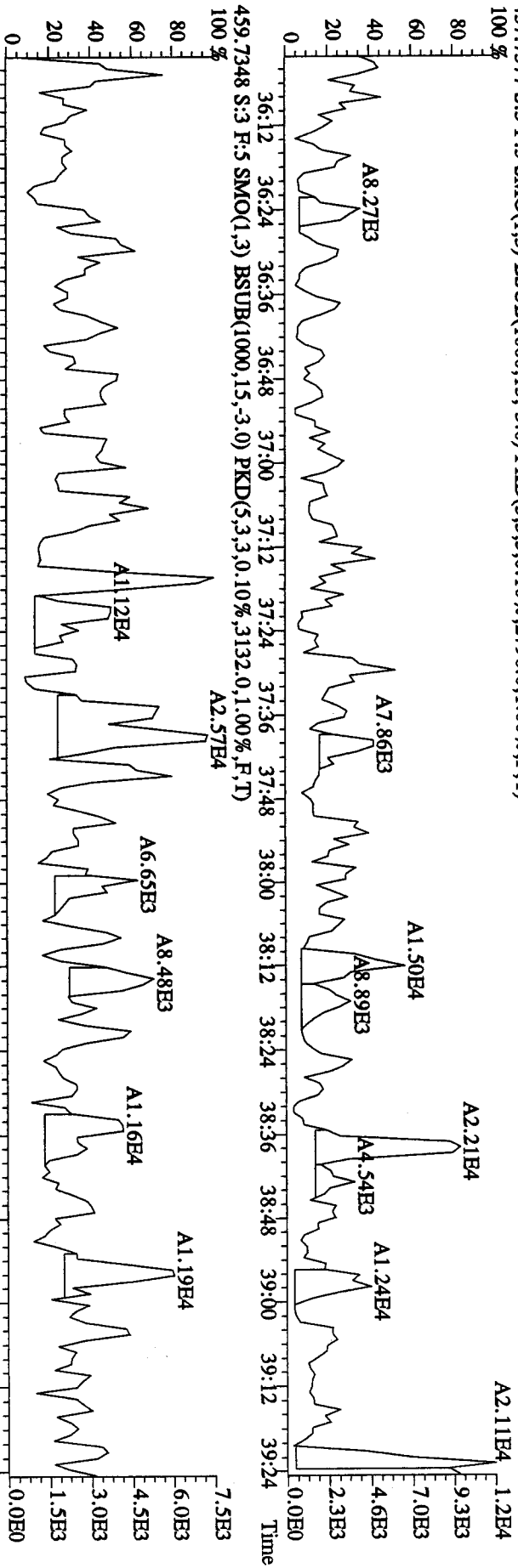




File:29AP101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SB
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3216,0.1,1.00%,F,T)



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)
 100 %

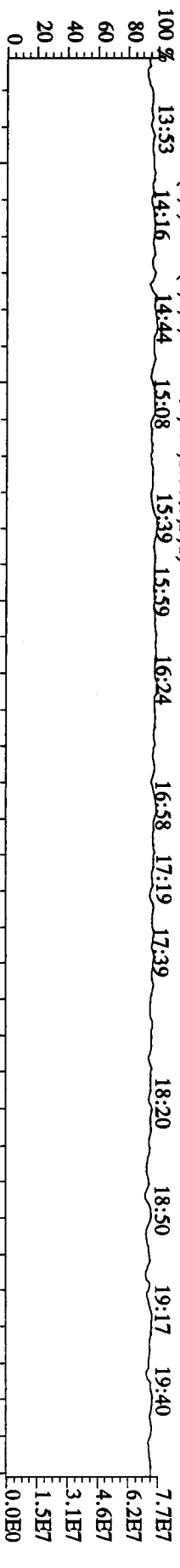


File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

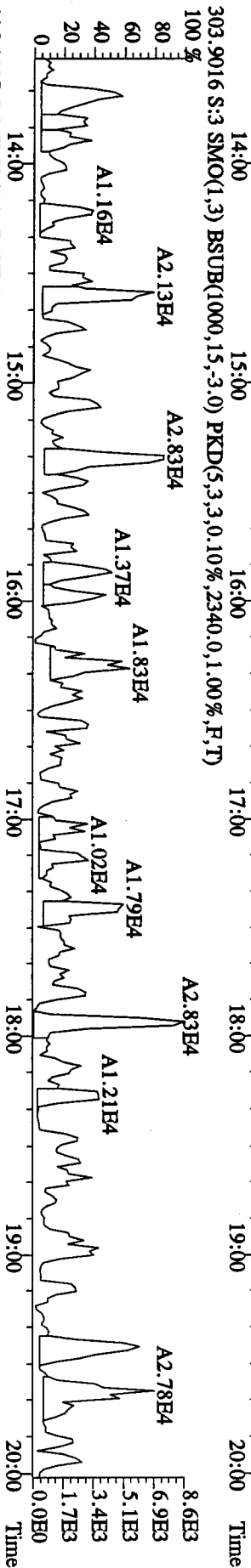
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINES

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

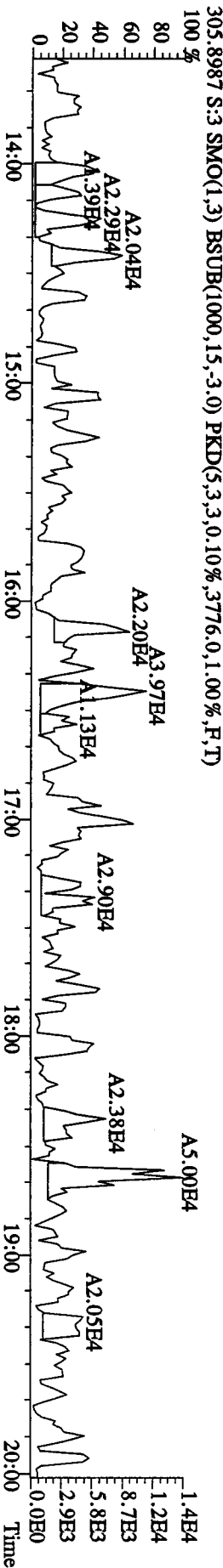
100 % 13:53 14:16 14:44 15:08 15:39 15:59 16:24 16:58 17:19 17:39 18:20 18:50 19:17 19:40



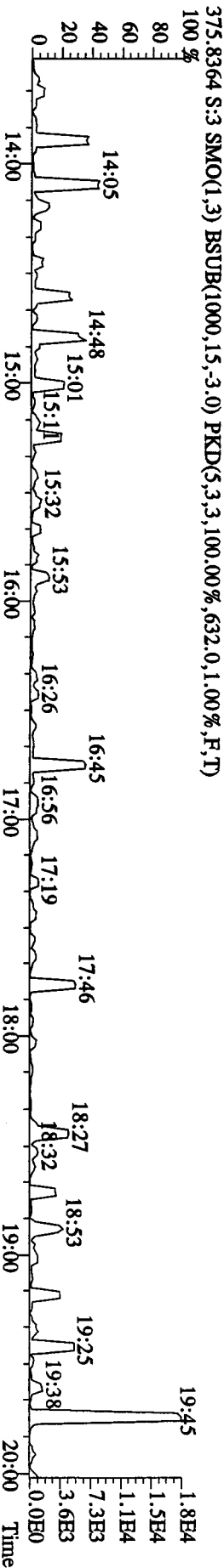
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2340,0,1,00%,F,T)



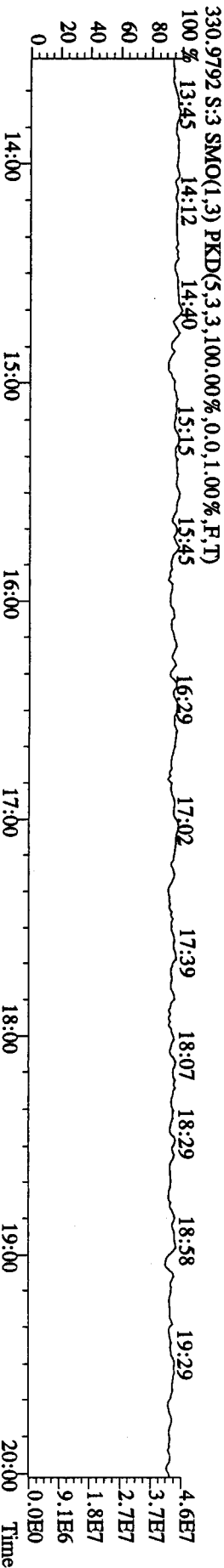
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3776,0,1,00%,F,T)



375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,632,0,1,00%,F,T)

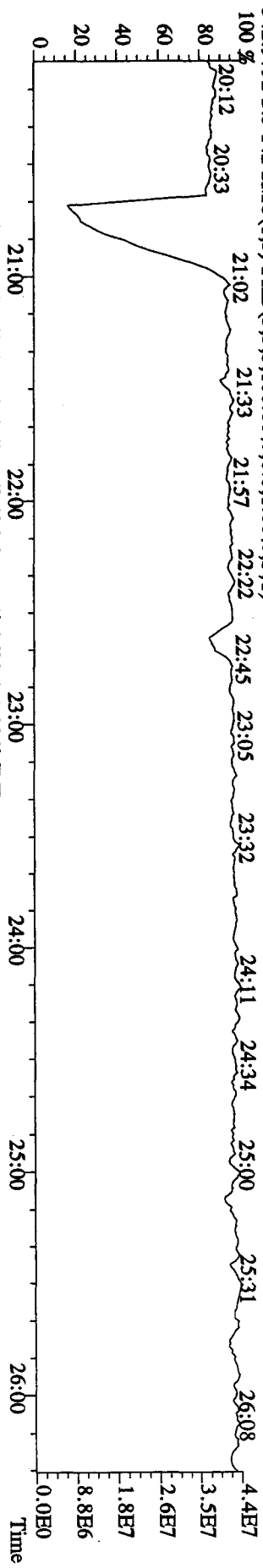


330.9792 S:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

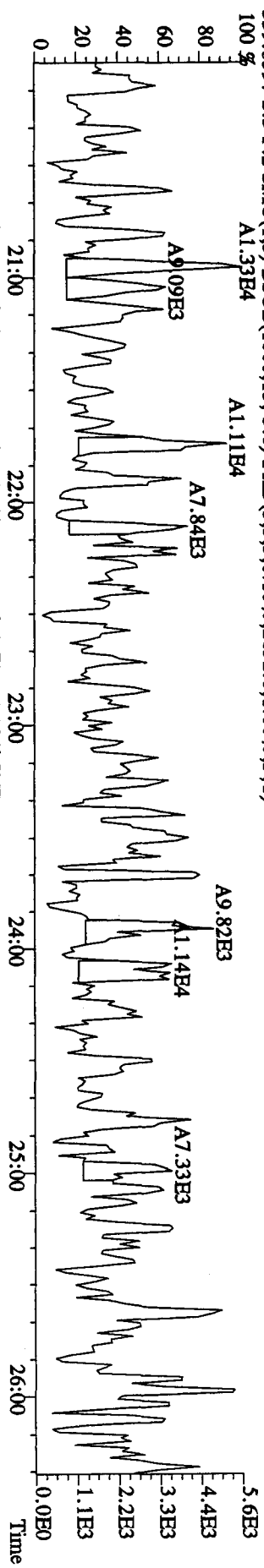


File:29AP101D5 #1-444 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

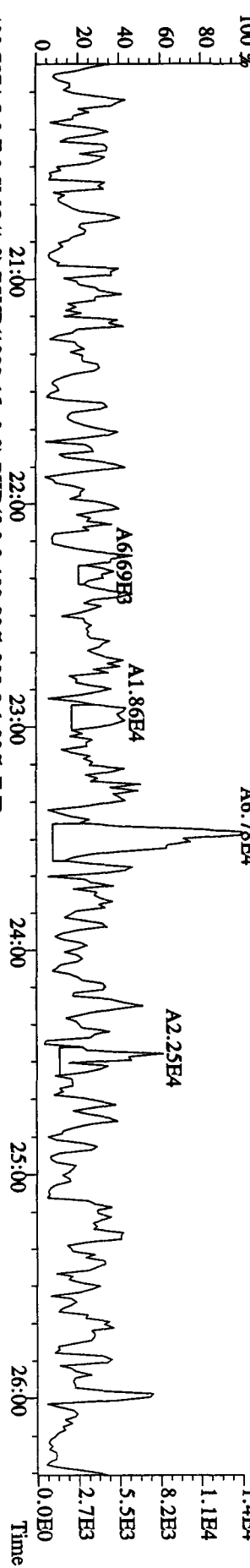
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



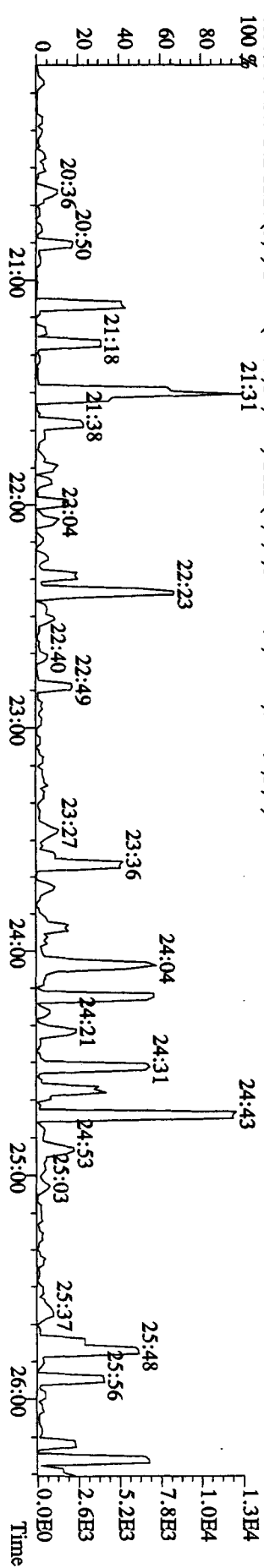
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2632.0,1.00%,F,T)



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)



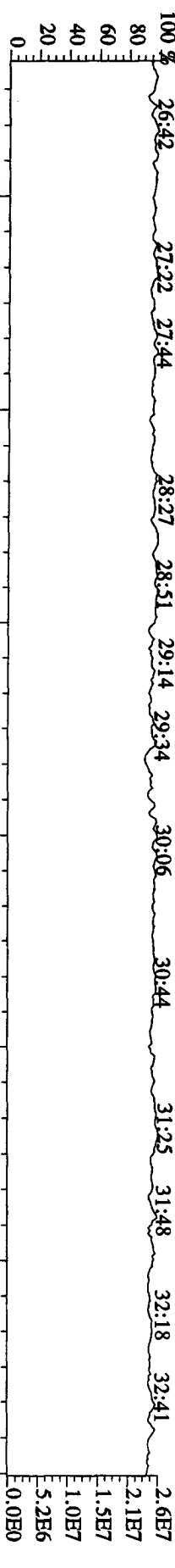
409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,308.0,1.00%,F,T)



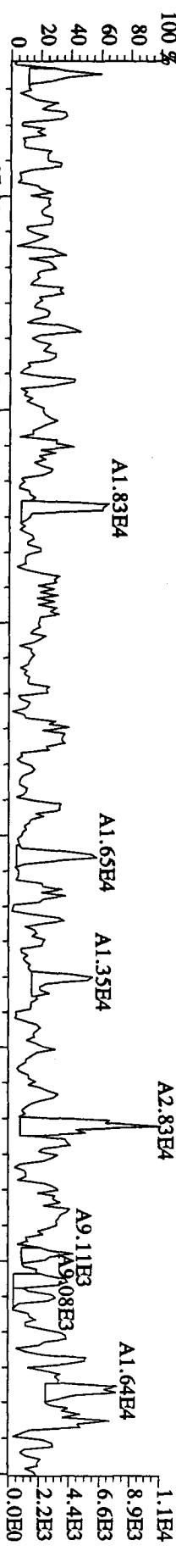
File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

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

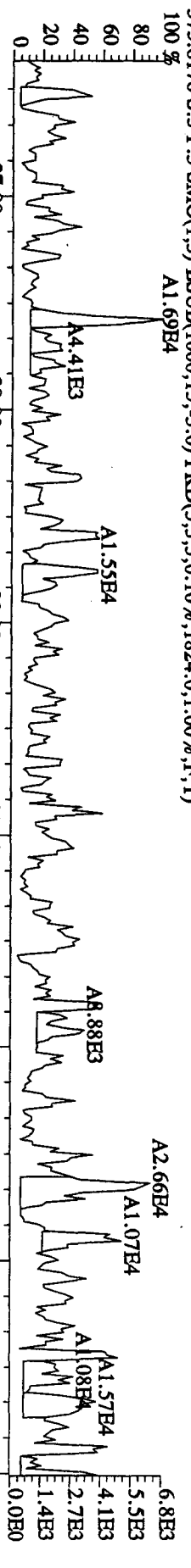
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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)



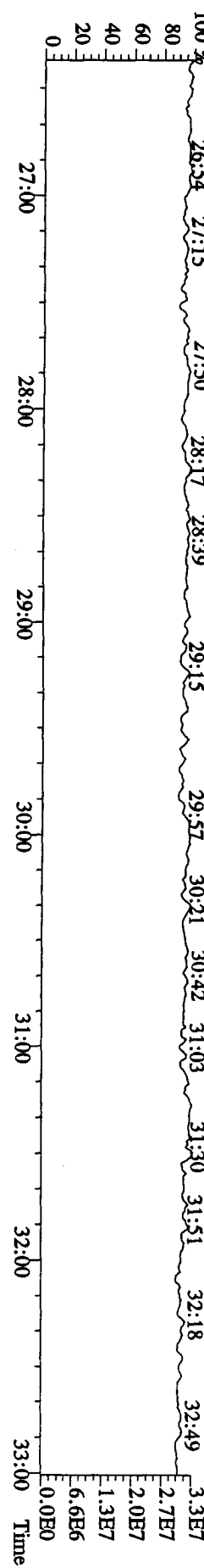
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



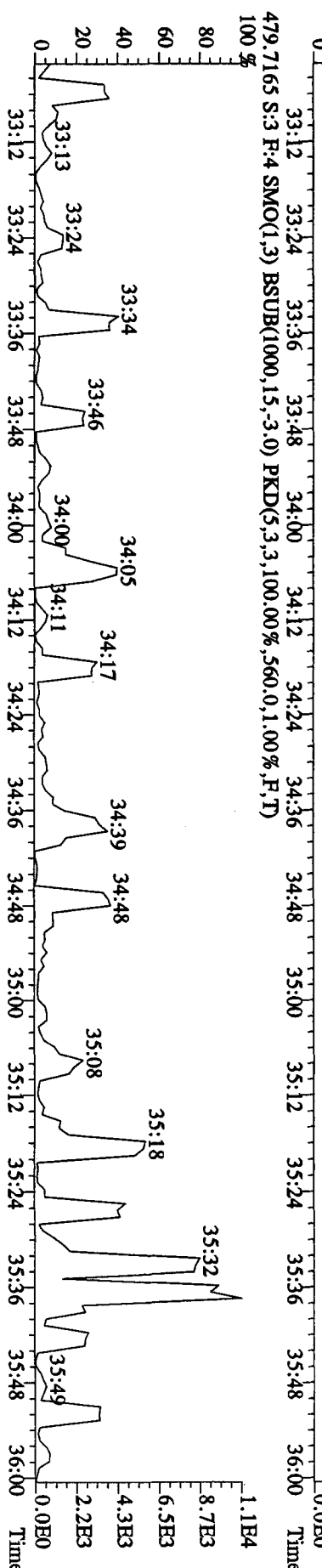
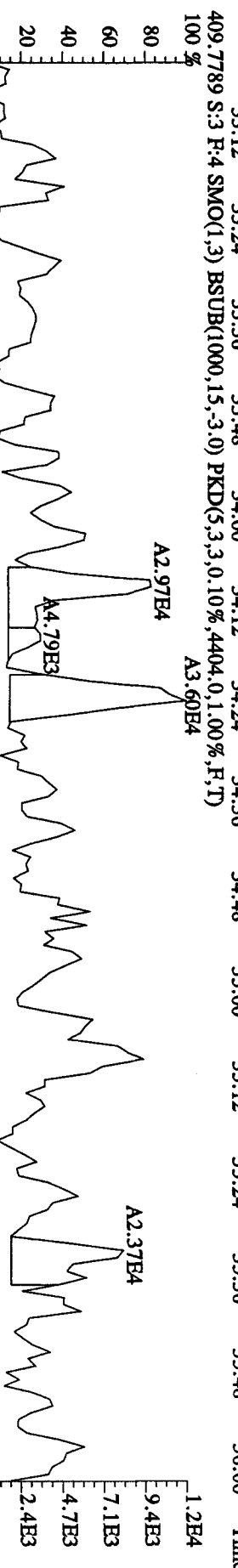
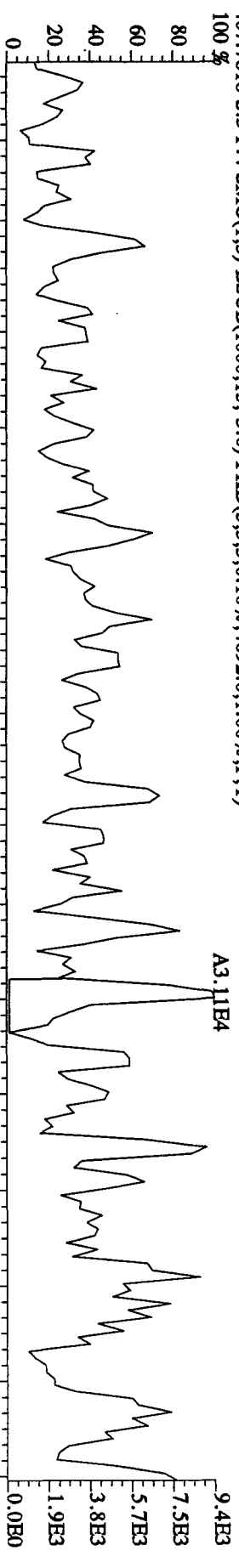
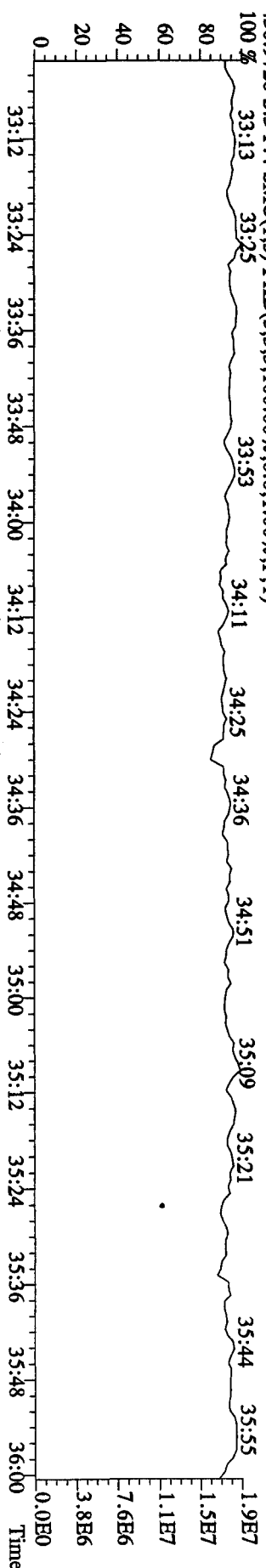
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,320.0,1.00%,F,T)



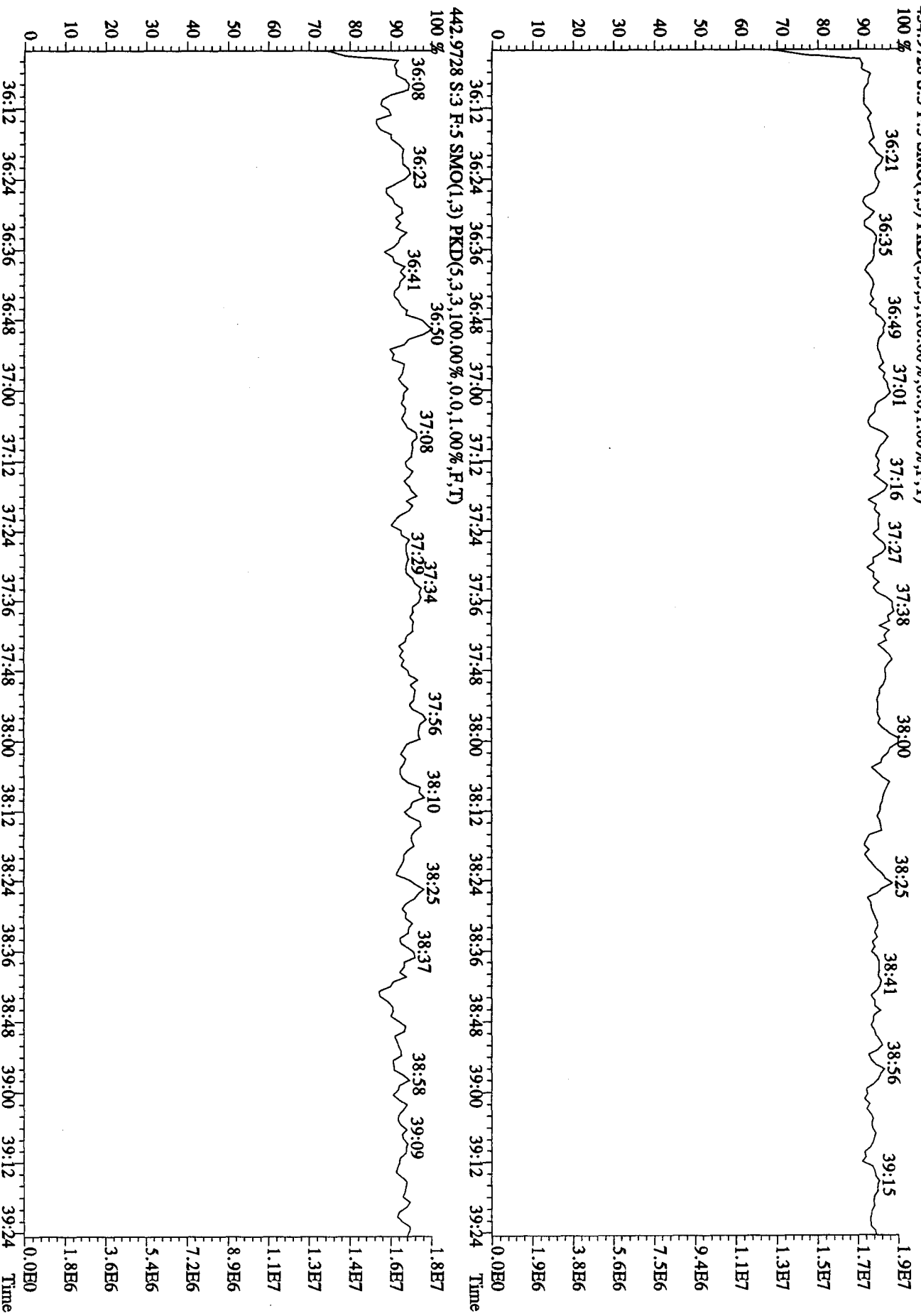
380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



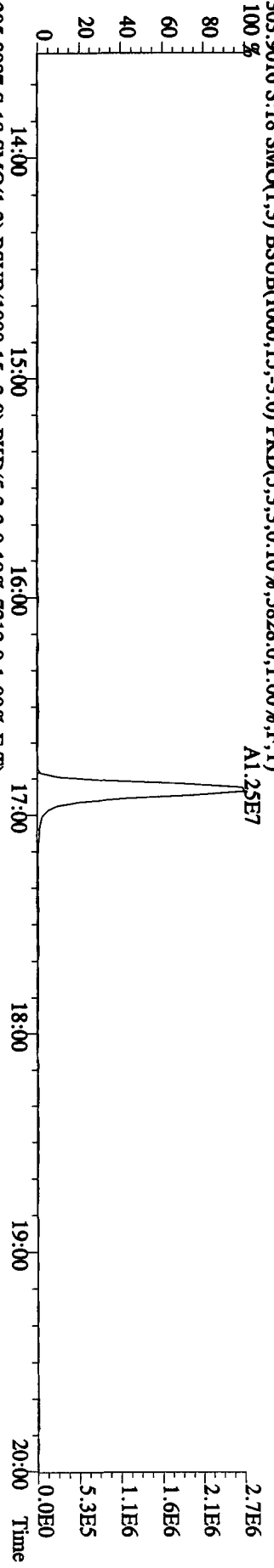
File:29AP101D5 #1-210 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



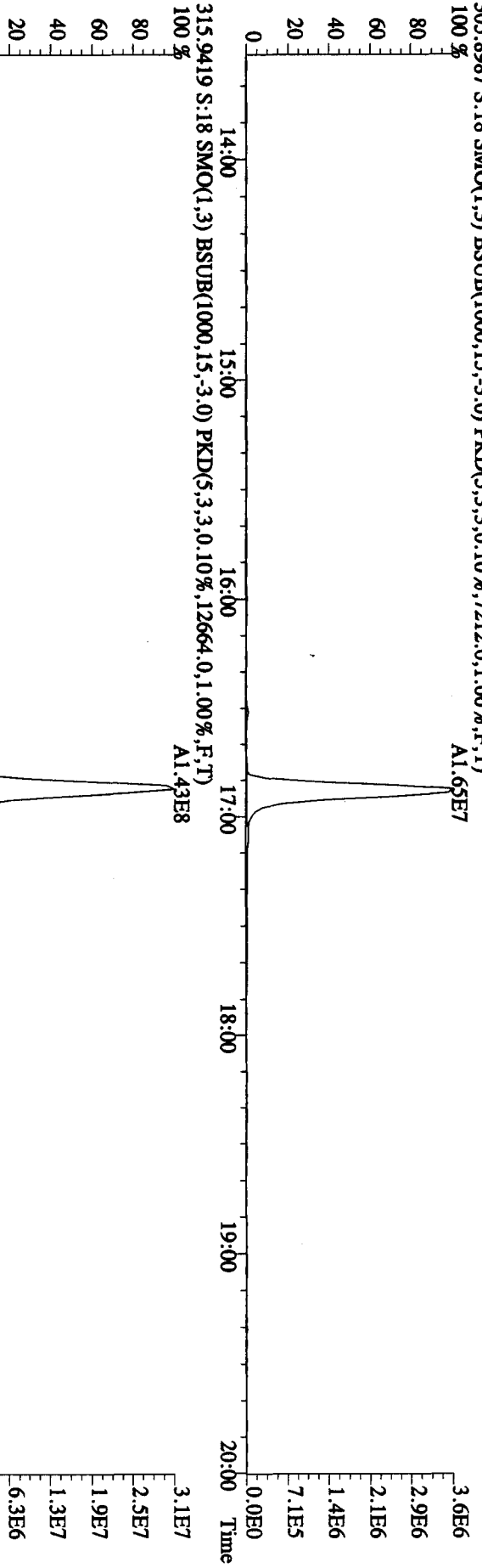
File:29AP101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 454.9728 S:3 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



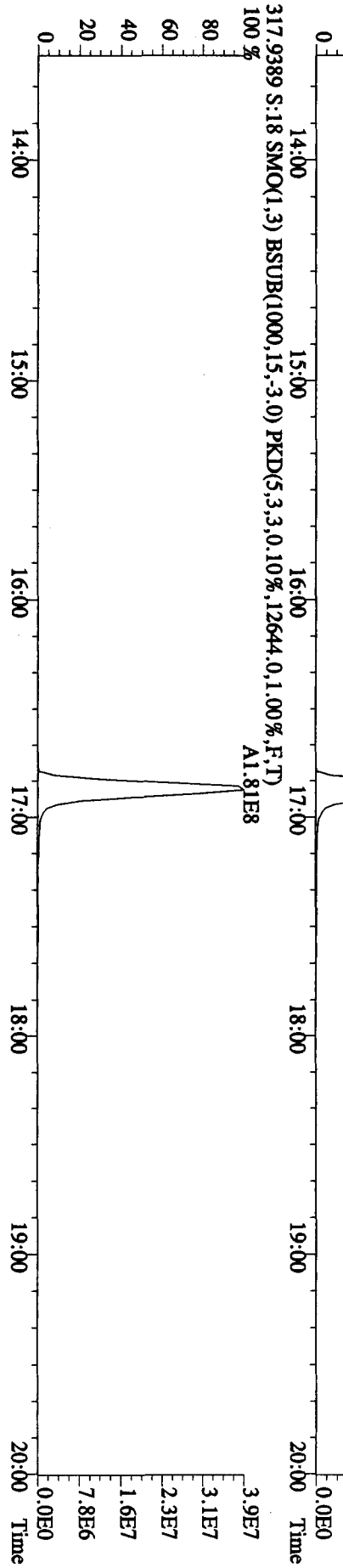
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI + Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 IODXN111 Exp:DIOXINRES
 303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5828,0,1,00%,F,T)
 100 % A1.25E7



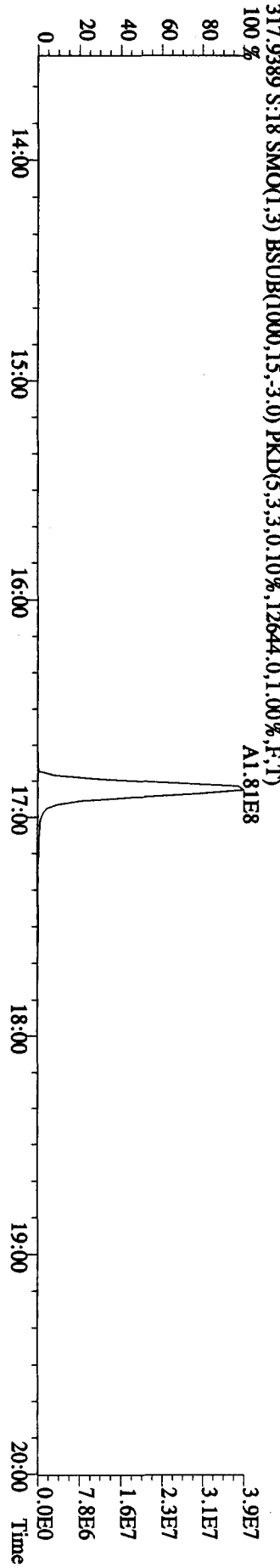
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7212,0,1,00%,F,T)
 100 % A1.65E7



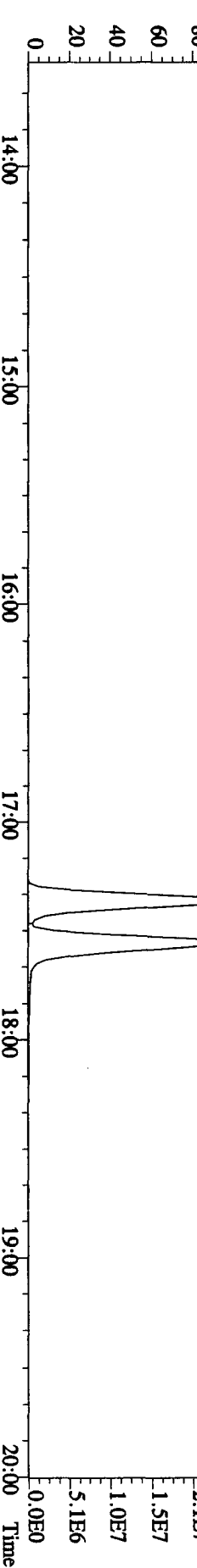
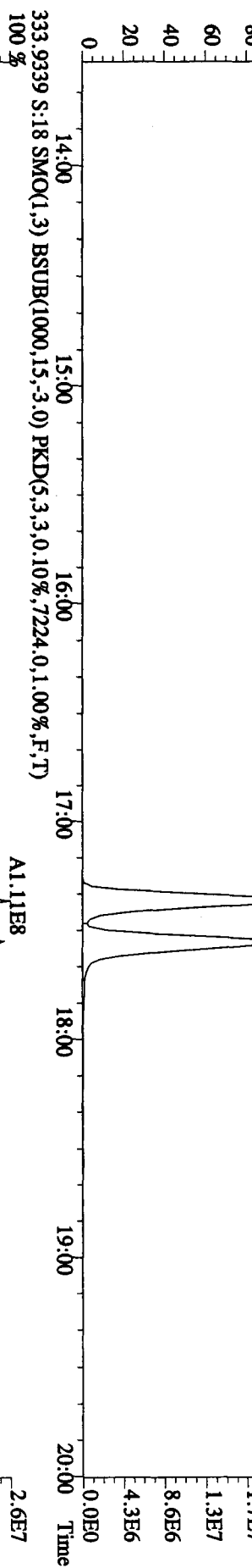
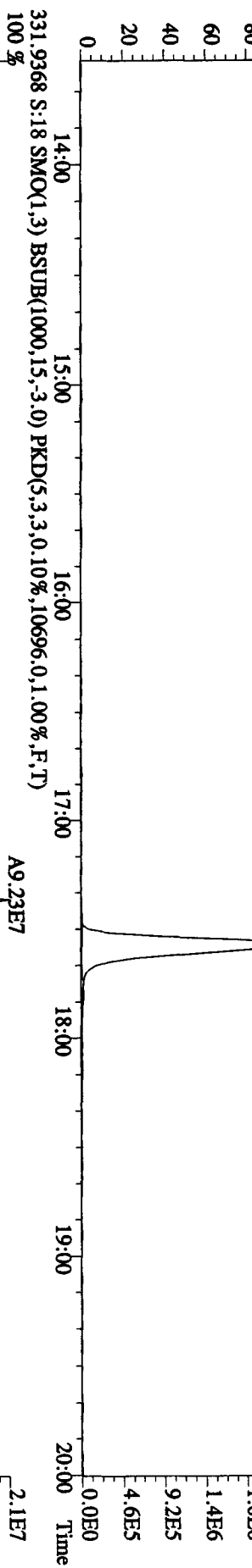
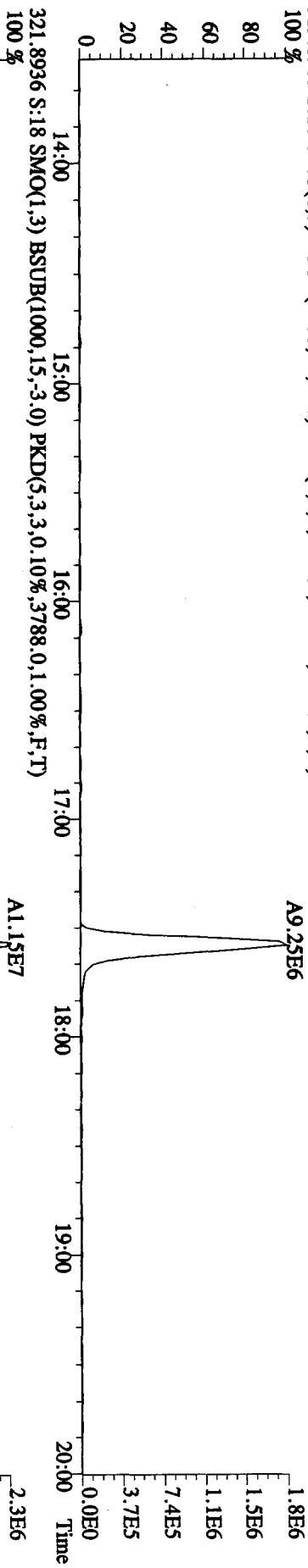
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12664,0,1,00%,F,T)
 100 % A1.43E8



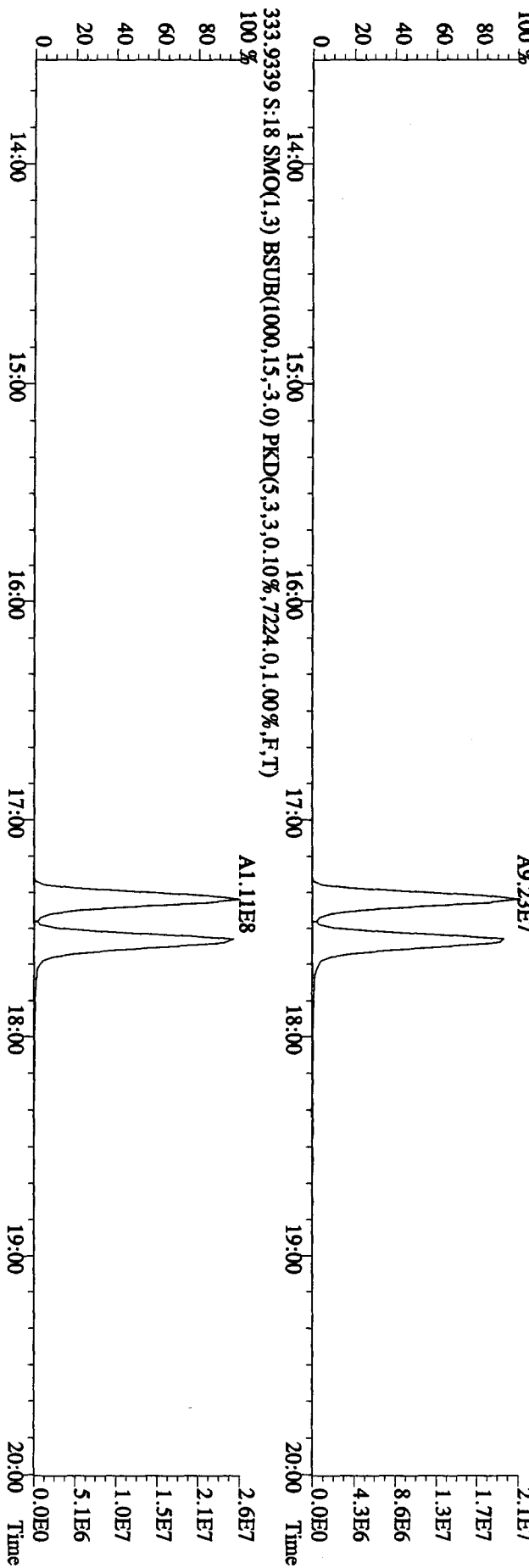
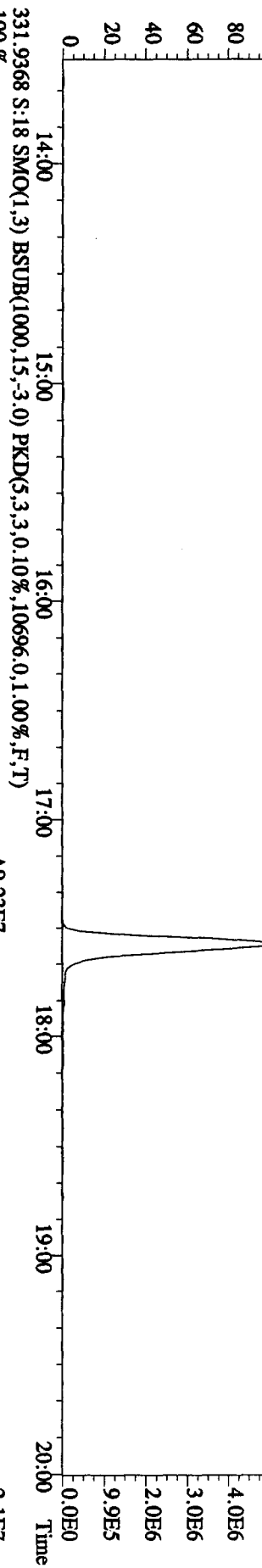
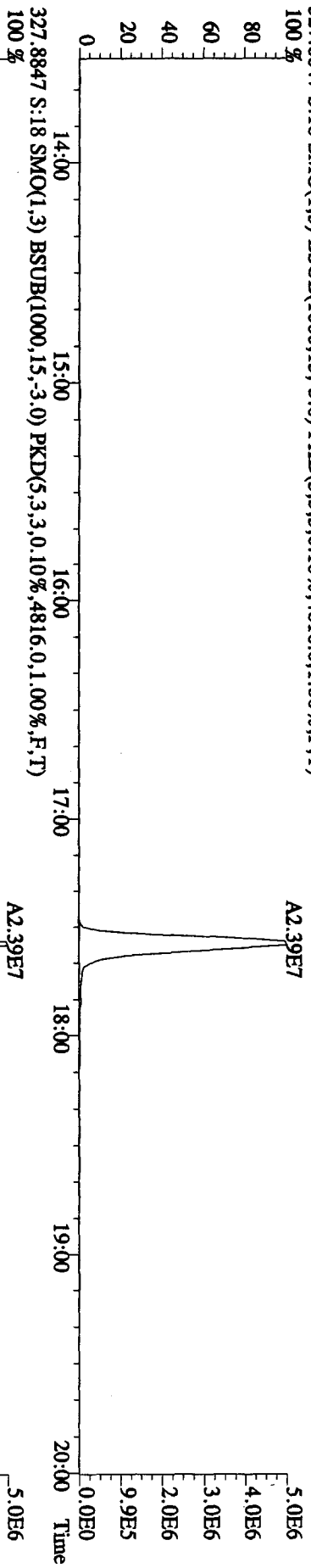
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12644,0,1,00%,F,T)
 100 % A1.81E8



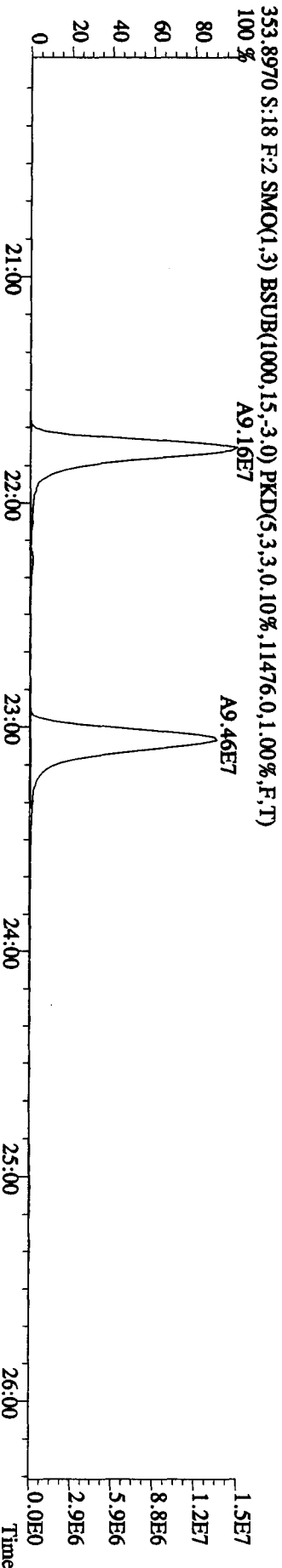
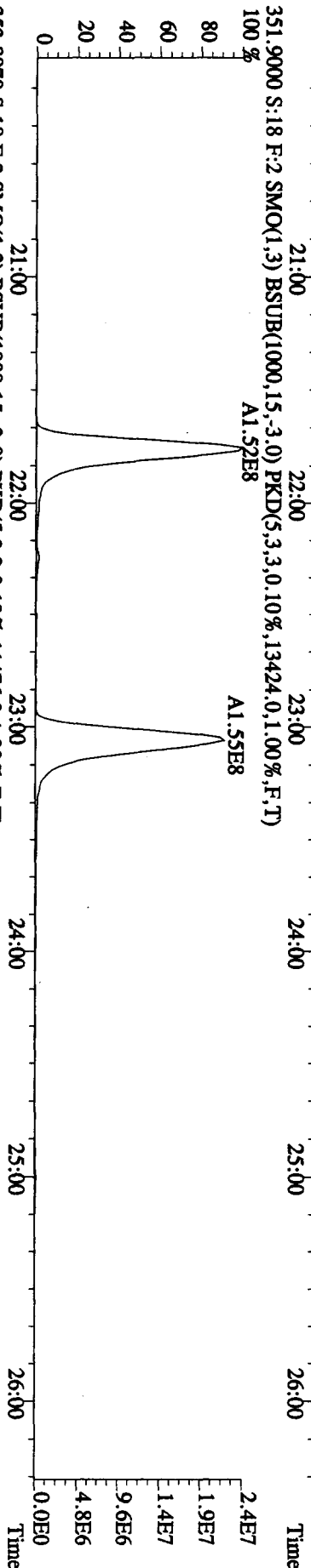
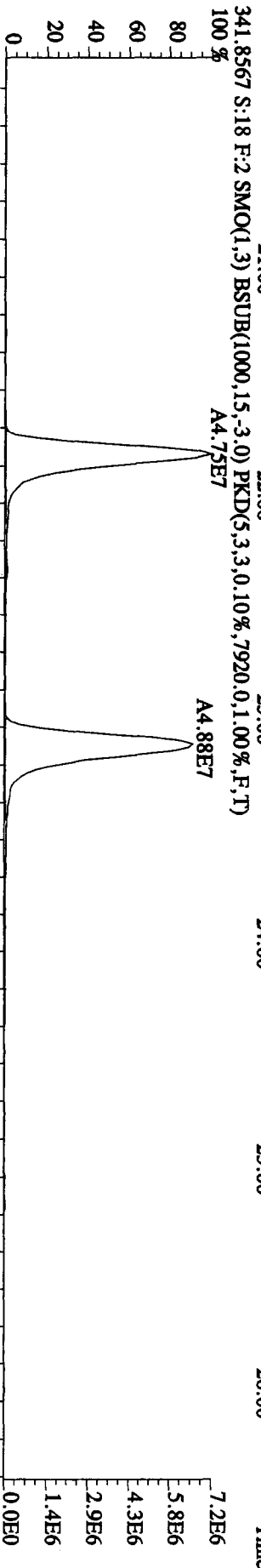
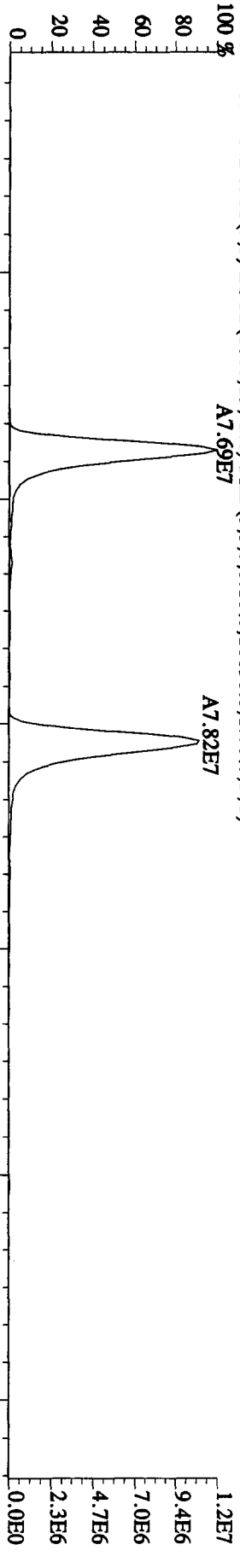
File:29API101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 319.8965 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4460,0,1,00%,F,T) 100%



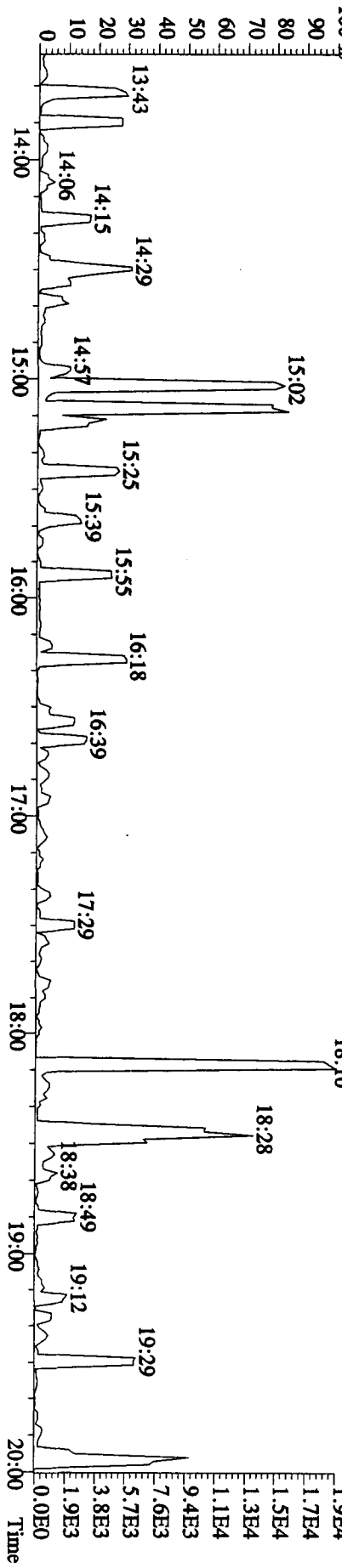
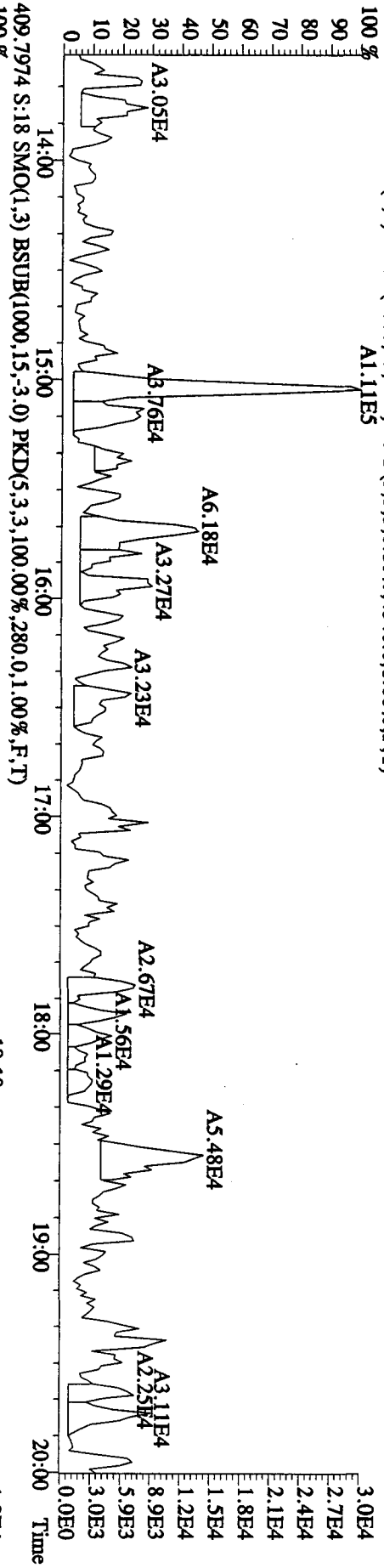
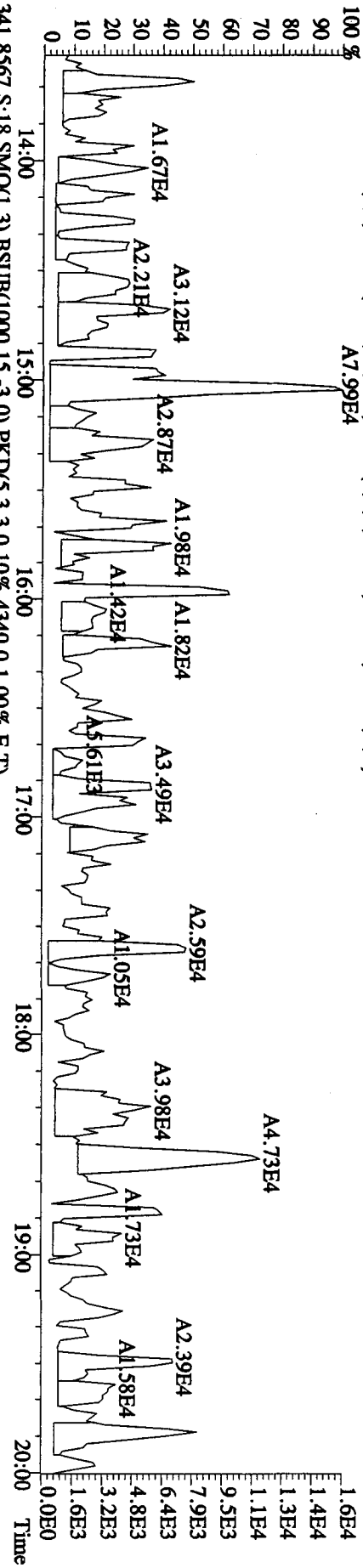
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816,0.1,0.00%,F,T)



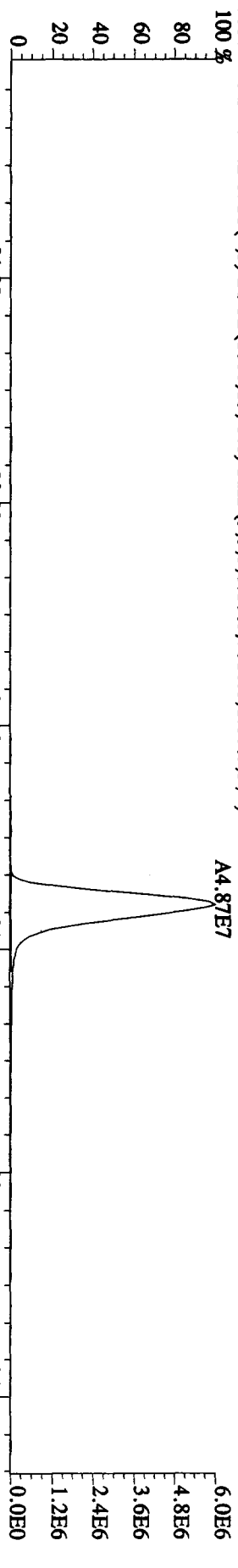
File: 29AP101D5 #1-445 Acq: 29-APR-2010 22:01:32 GC EI + Voltage SIR 70SE
 Sample#18 Text: ST0429A : CS3 10DXN111 Exp: DIOXINRES
 339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10656,0.1,00%,F,T)



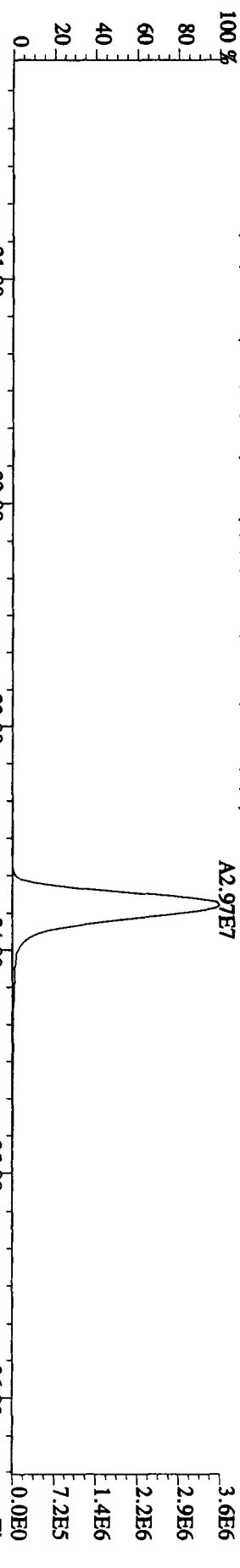
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI + Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 I0DXN111 Exp:DIOXINES
 339.8597 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2556,0,1,00%,F,T)
 100%



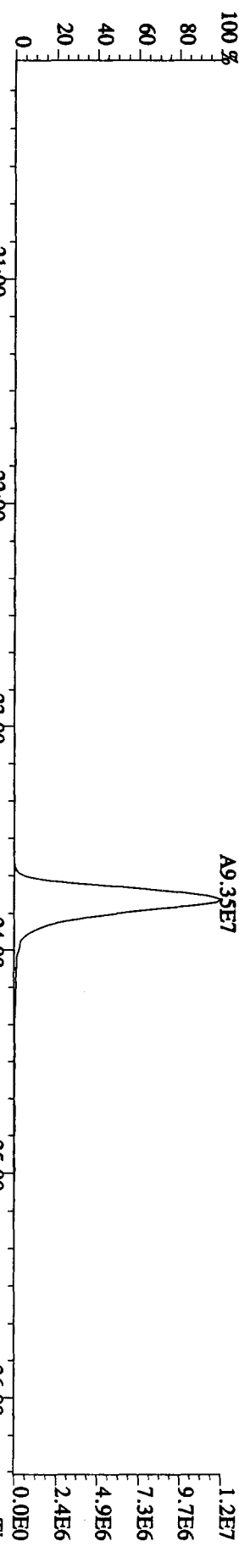
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 355.8546 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7016,0,1,00%,F,T)
 100%



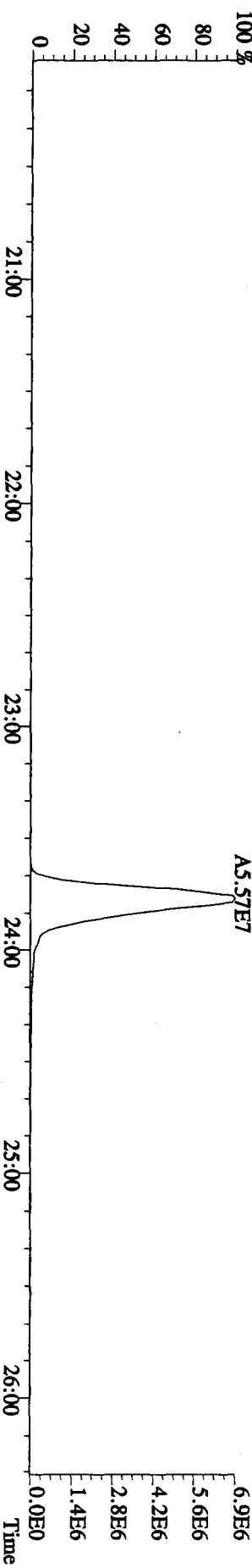
357.8516 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4800,0,1,00%,F,T)
 100%

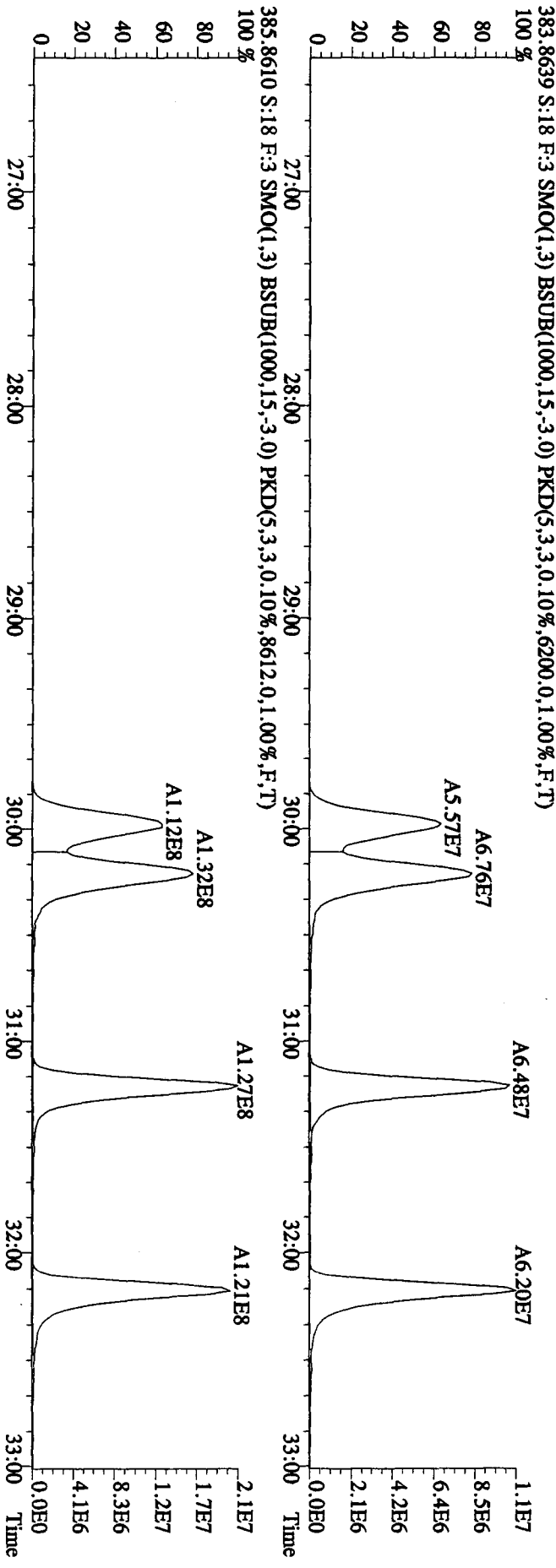
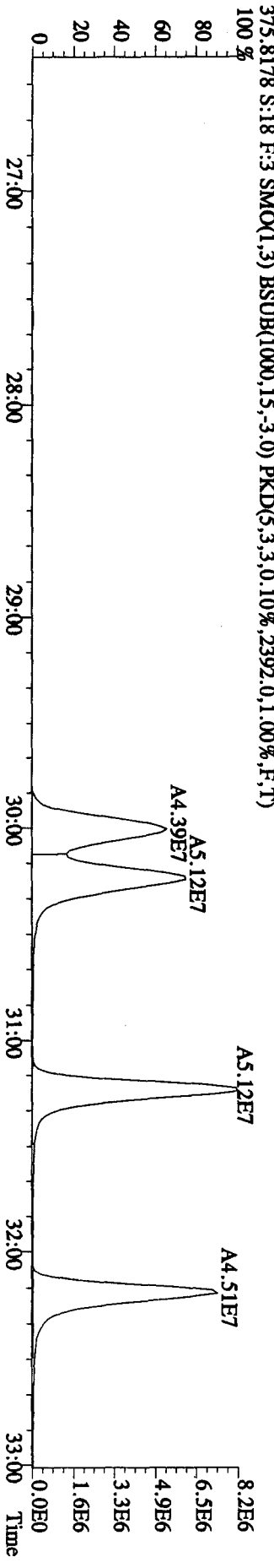
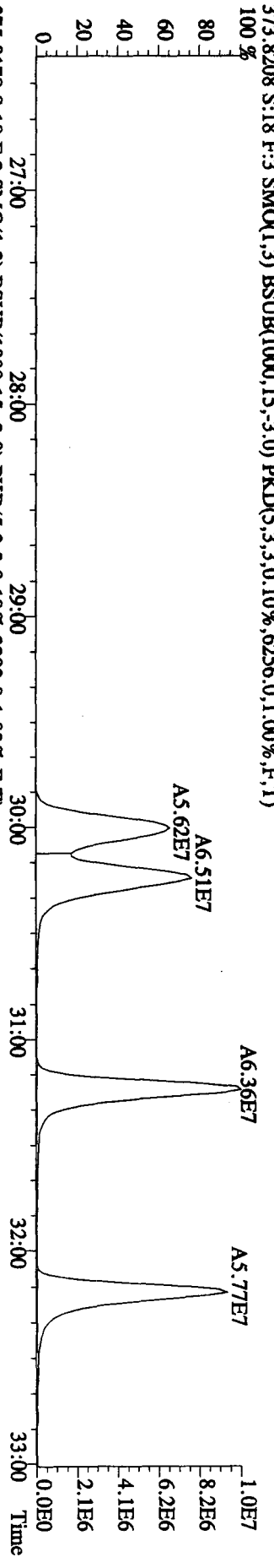


367.8949 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8416,0,1,00%,F,T)
 100%

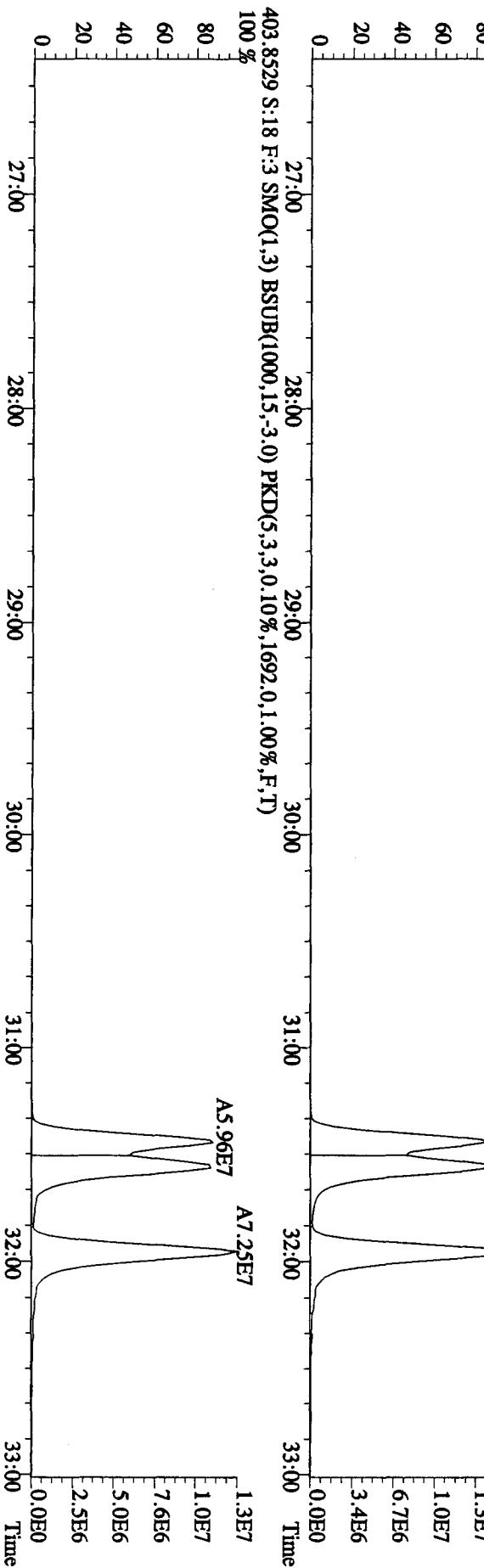
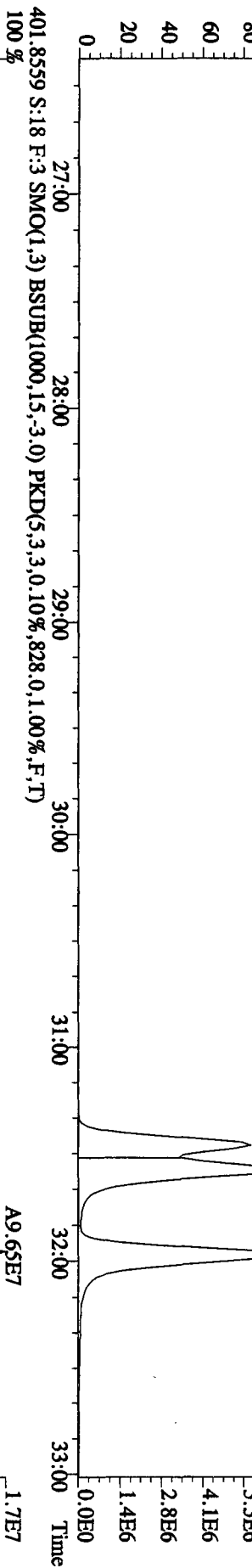
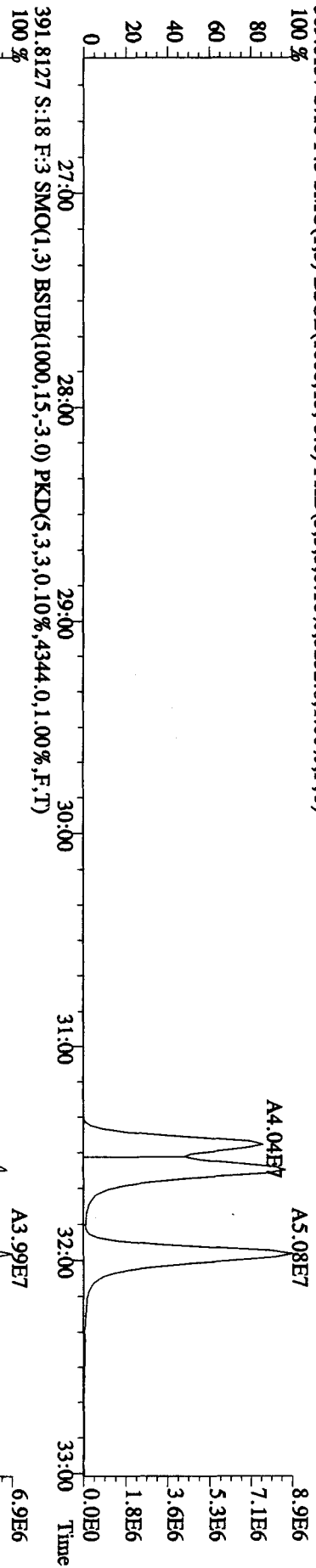


369.8919 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7864,0,1,00%,F,T)
 100%

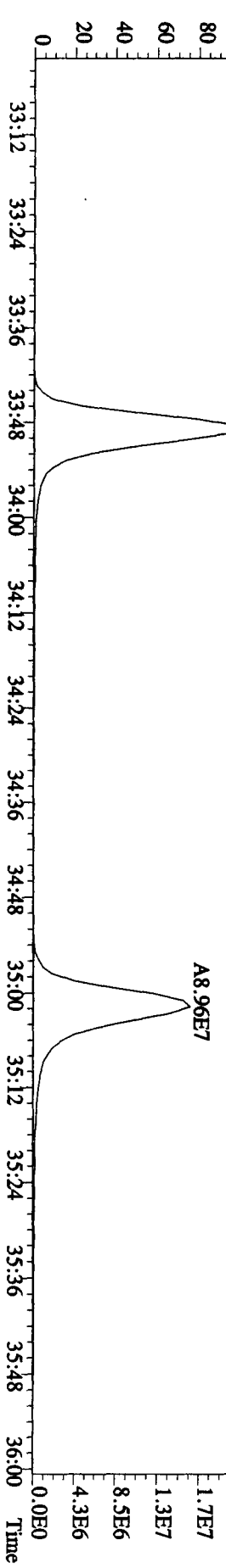
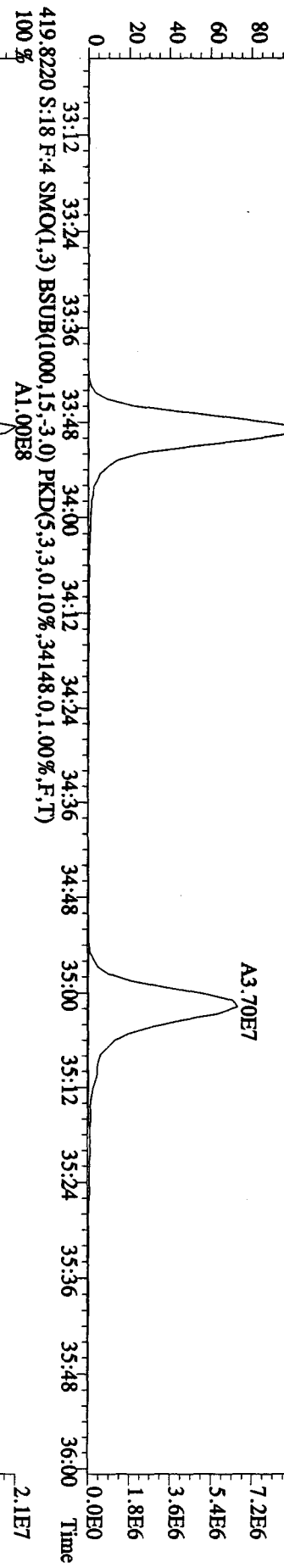
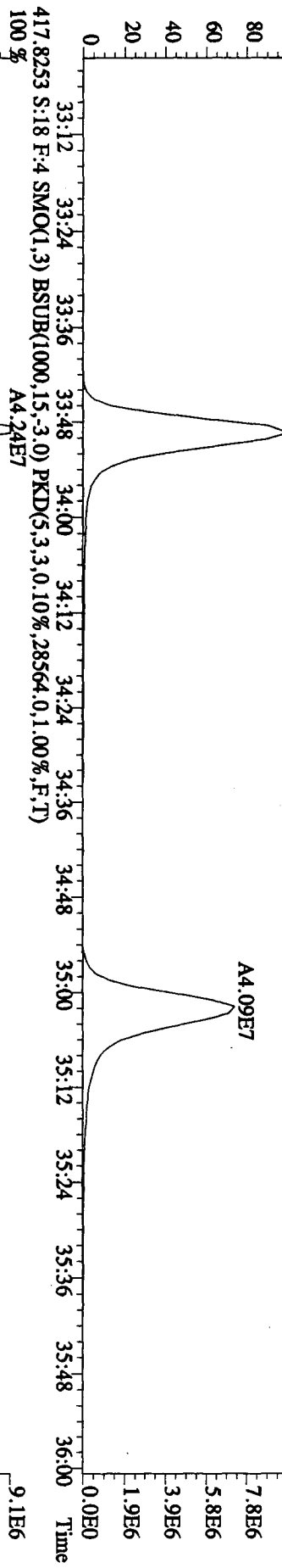
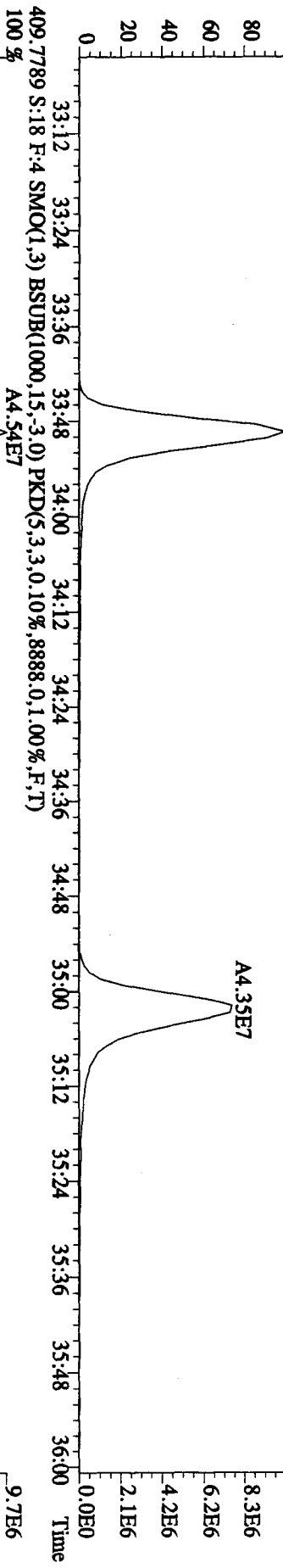




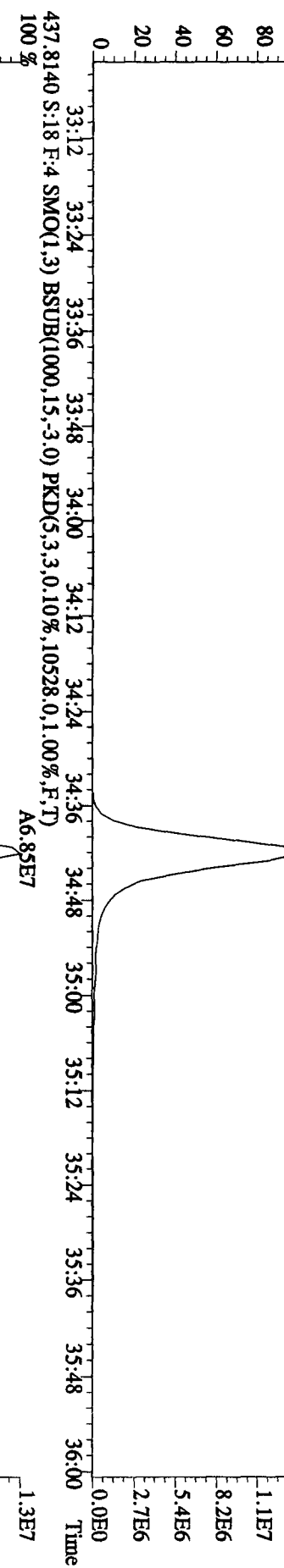
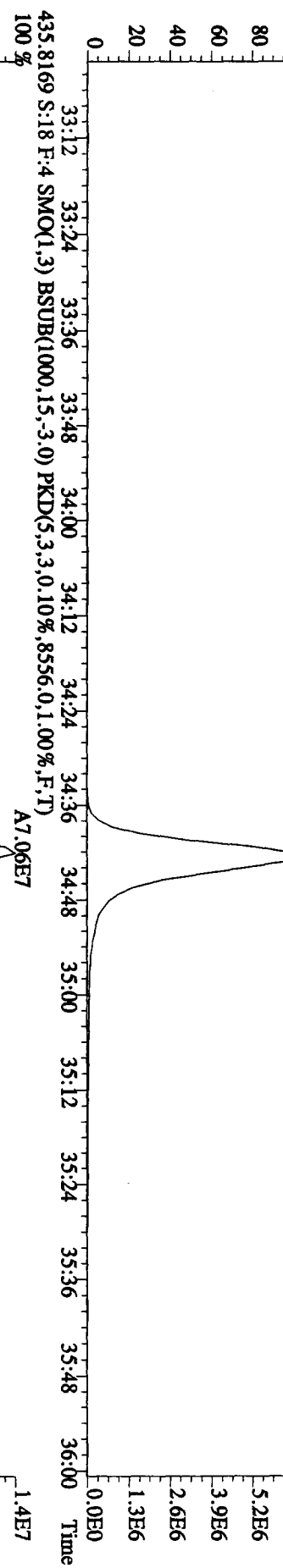
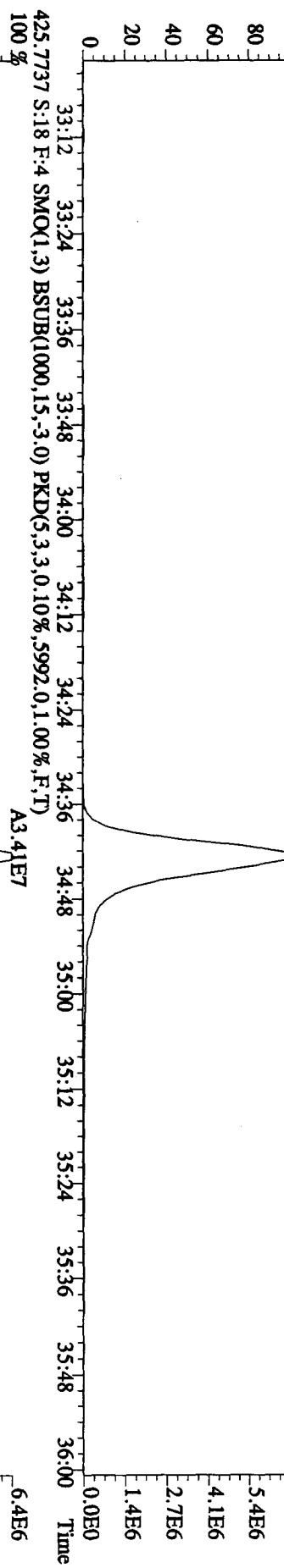
File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 389.8157 S:18 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.3232,0,1,00%,F,T)
 100 %



File: 29AP101D5 #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%

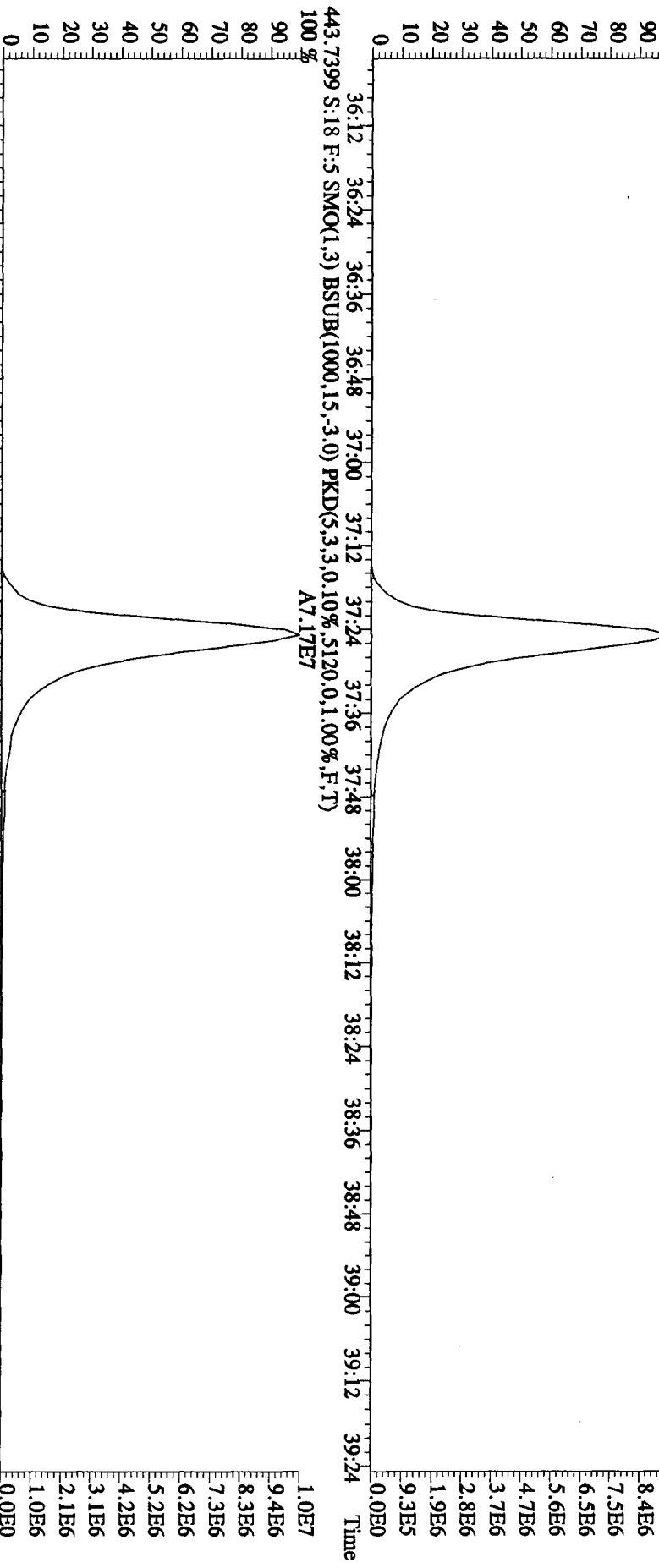


File:29API010ID5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 423.7766 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5992,0.1,0.00%,F,T)

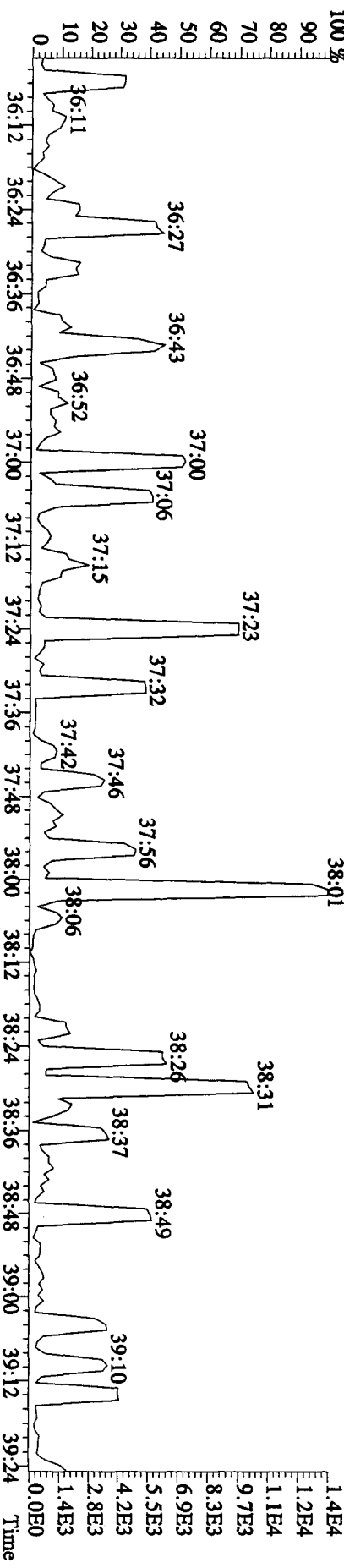


File:29AP10101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE

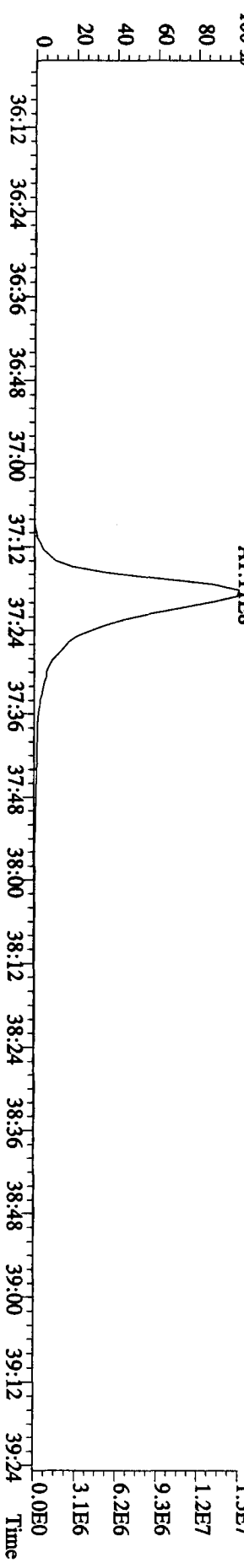
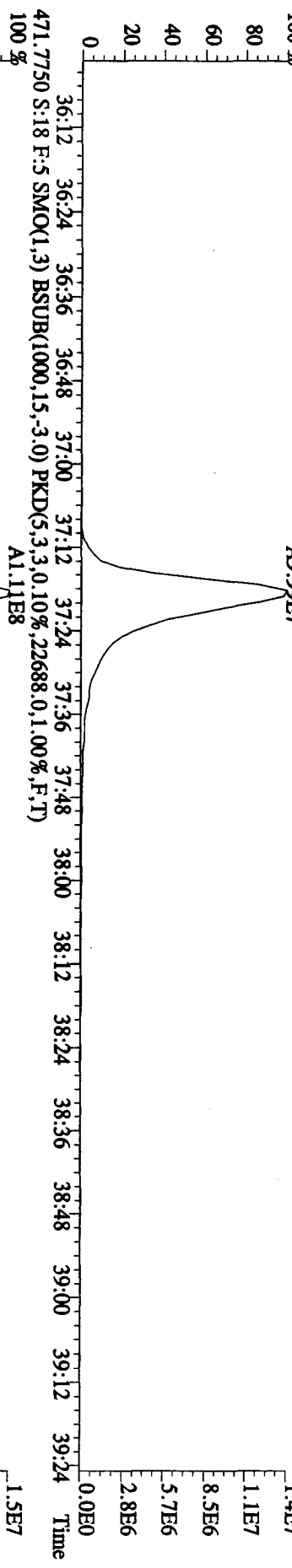
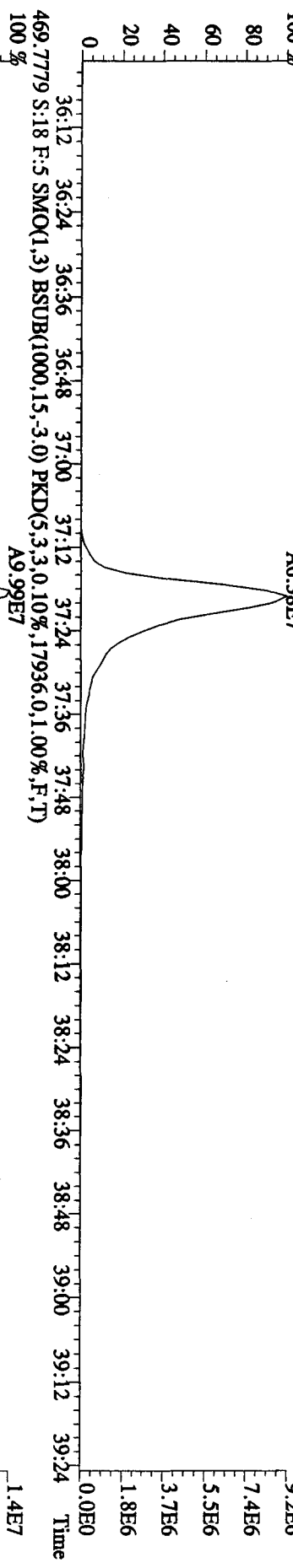
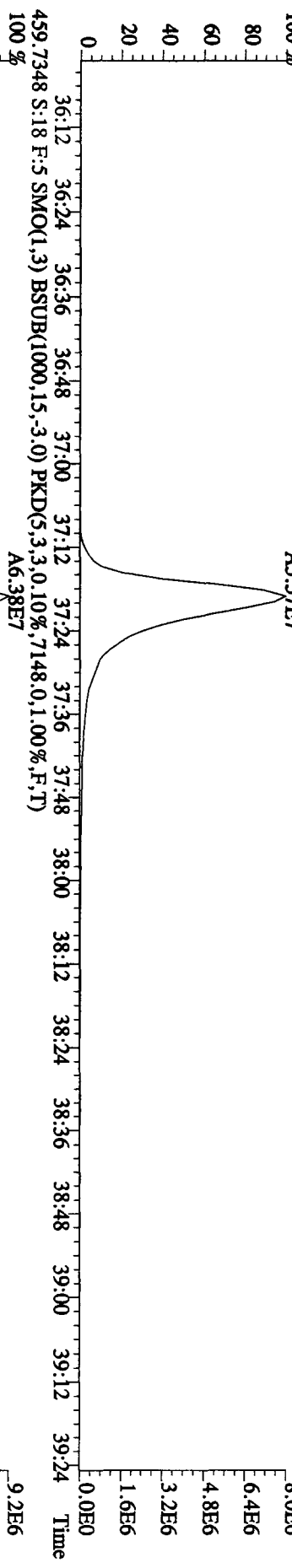
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
441.7428 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9596,0.1,00%,F,T)

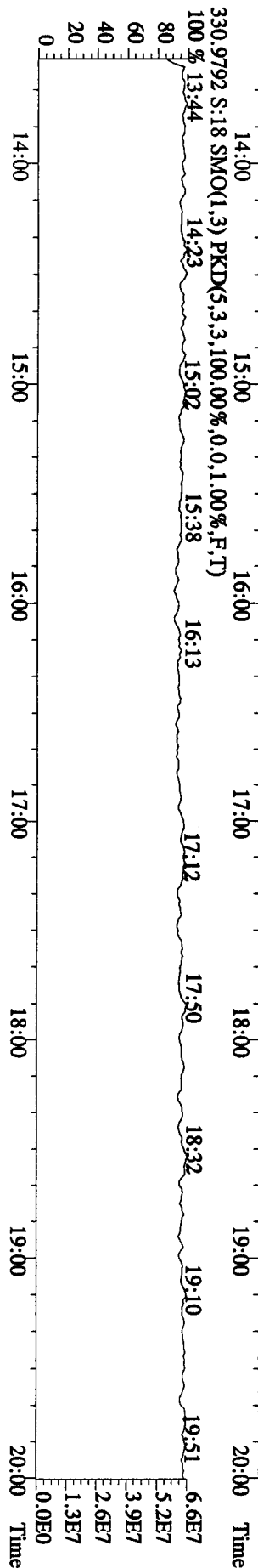
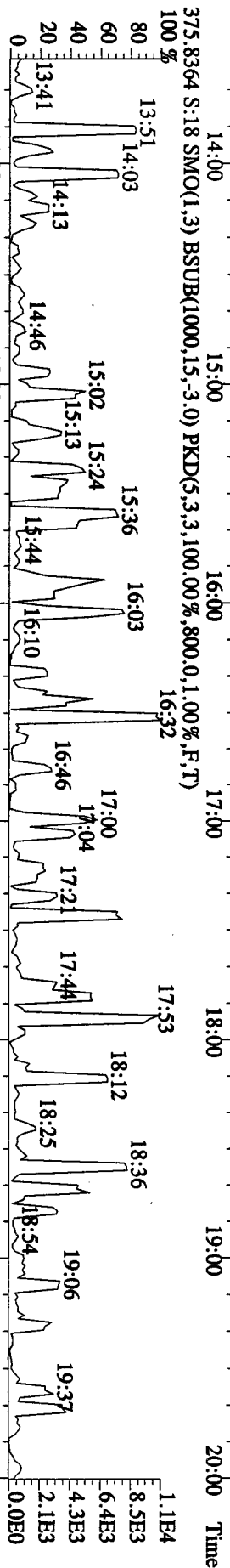
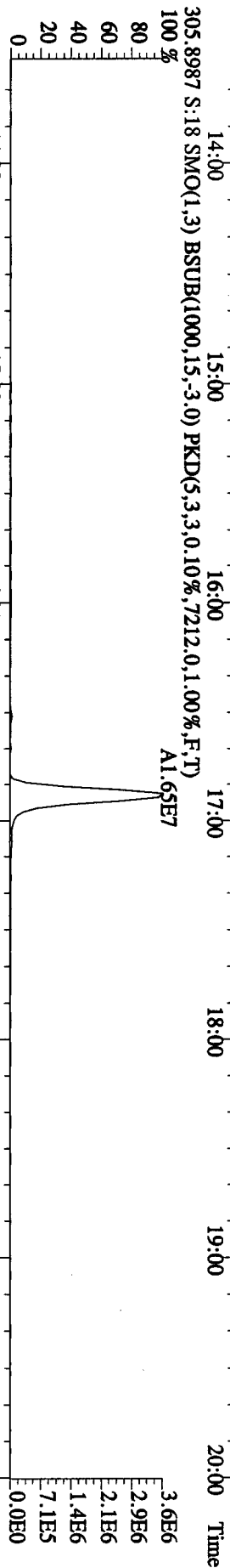
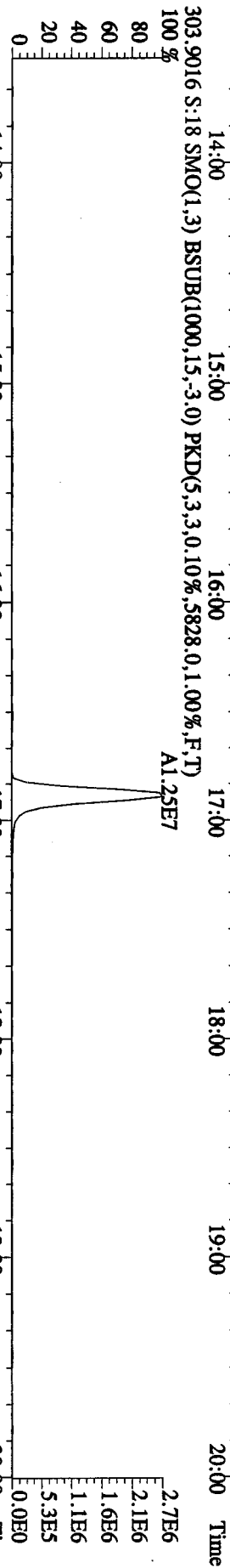
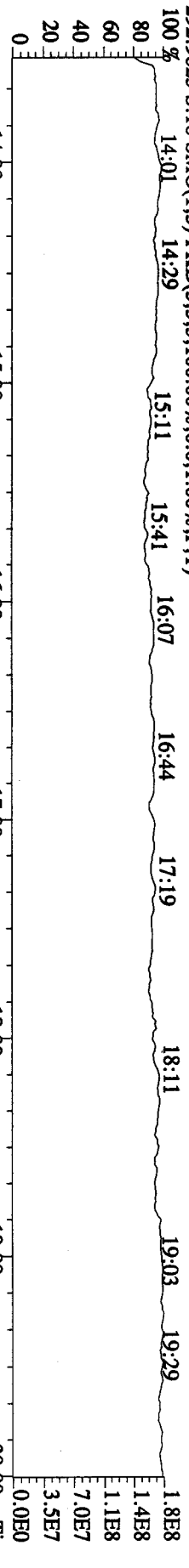


443.7399 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5120,0.1,00%,F,T)



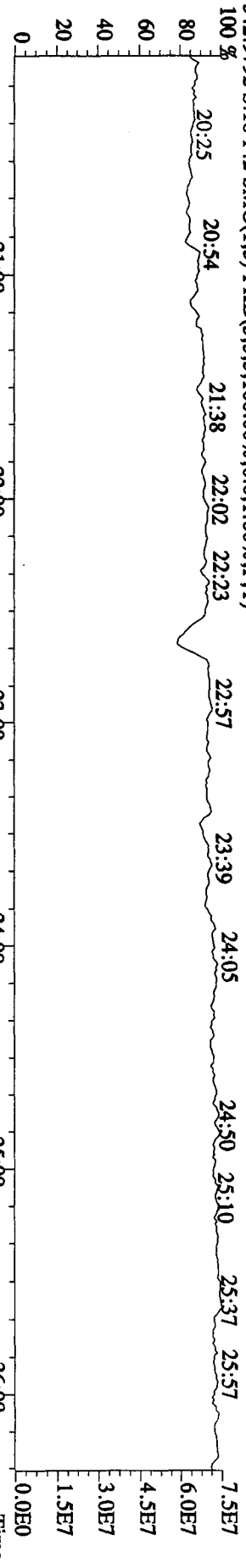
File: 29AP101D5 #1-244 Acq: 29-APR-2010 22:01:32 GC EI + Voltage SIR 70SE
 Sample#18 Text: ST0429A :CS3 10DXN111 Exp: DIOXINRES
 457.7377 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8656,0,1,00%,F,T)
 100% A5.57E7



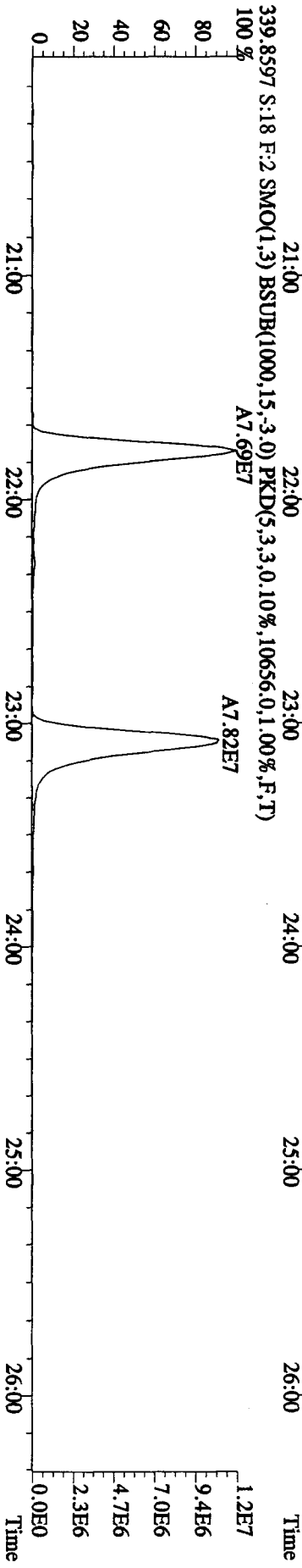


File:29ADP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES

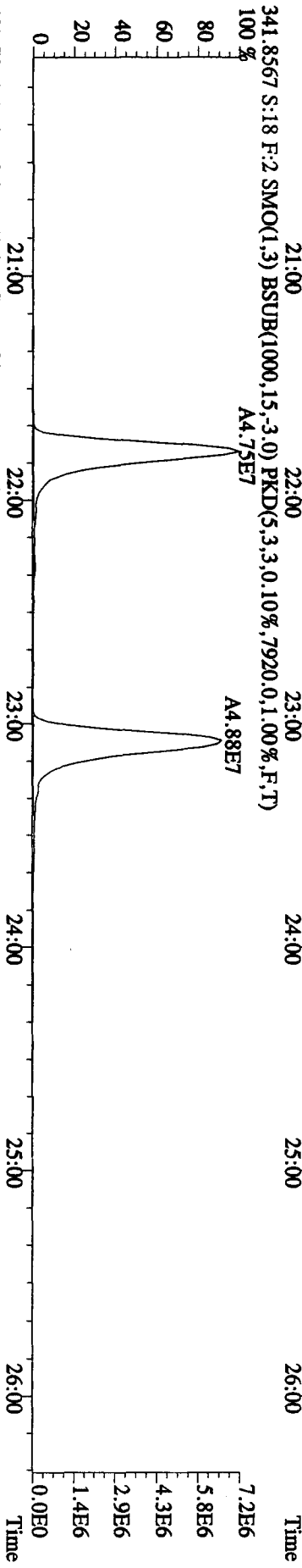
342.9792 S:18 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



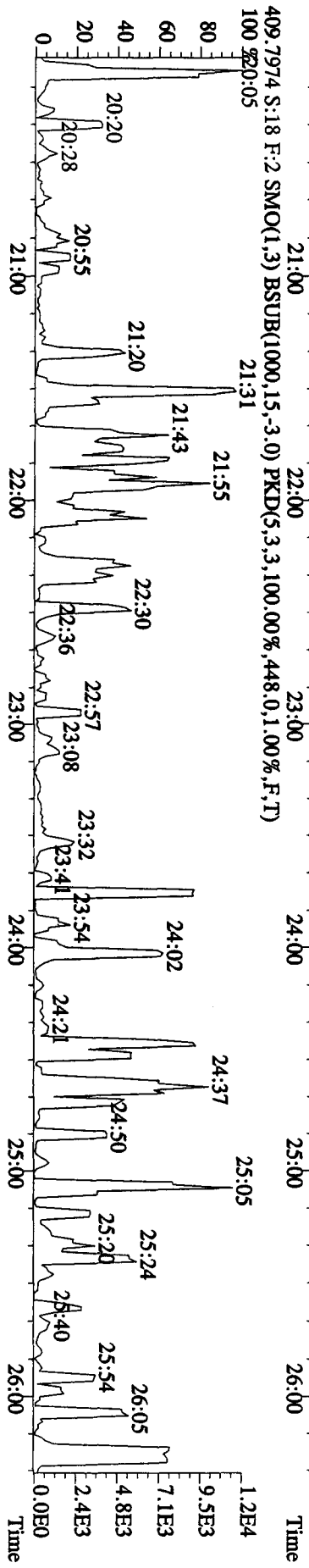
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10656,0,1.00%,F,T)



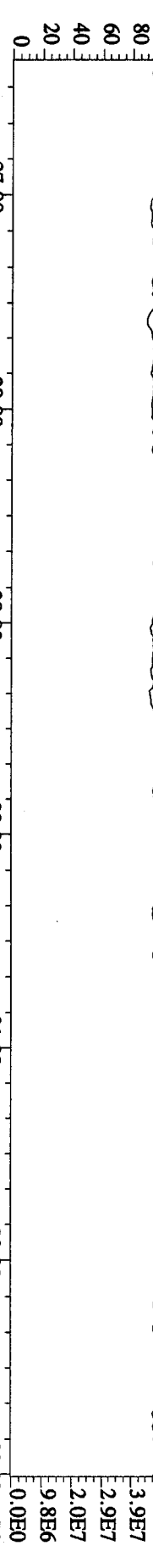
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920,0,1.00%,F,T)



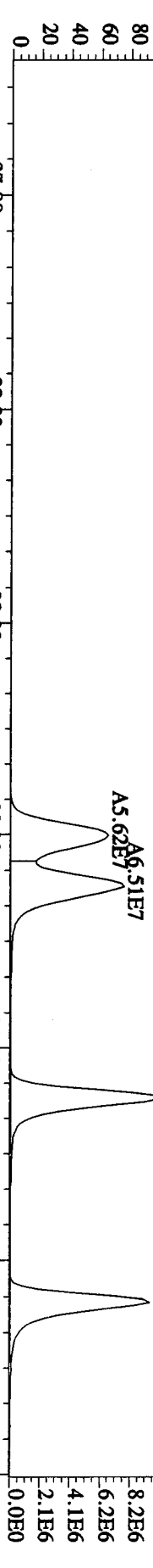
409.7974 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,448,0,1.00%,F,T)



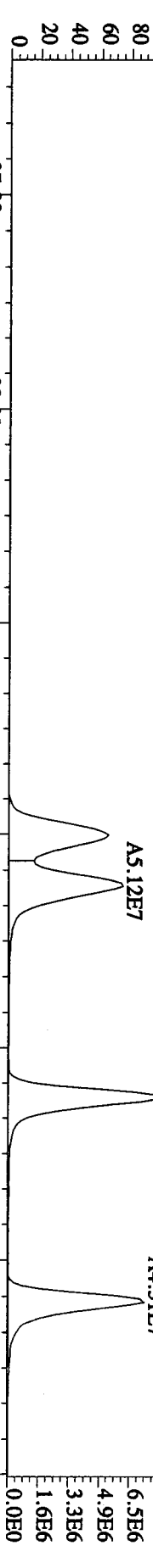
File: 29AP101D5 #1-447 Acq: 29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text: ST0429A :CS3 10DXN111 Exp: DIOXINRES
 392.9760 S:18 F:3 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)
 100% 26:42 27:19 27:45 28:23 28:46 29:08 29:34 29:57 30:26 30:49 31:15 31:39 32:04 32:26 32:49



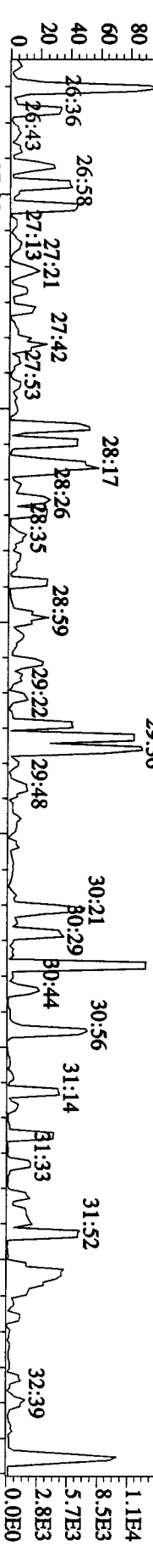
373.8208 S:18 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6256,0.1,0.0%,F,T)
 100% 27:00 28:00 29:00 30:00 31:00 32:00 33:00
 4.9E7
3.9E7
2.9E7
2.0E7
9.8E6
0.0E0



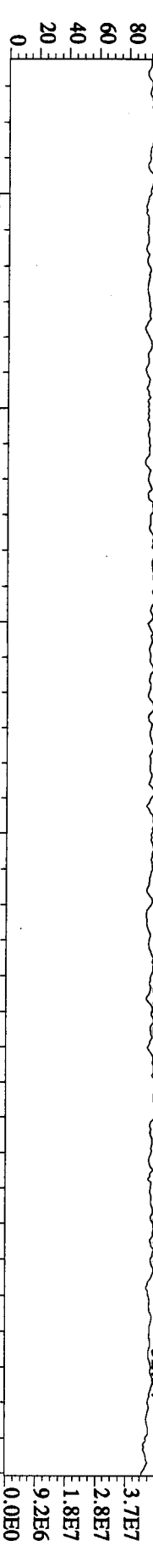
375.8178 S:18 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,2392,0.1,0.0%,F,T)
 100% 27:00 28:00 29:00 30:00 31:00 32:00 33:00
 8.2E6
6.5E6
4.9E6
3.3E6
1.6E6
0.0E0



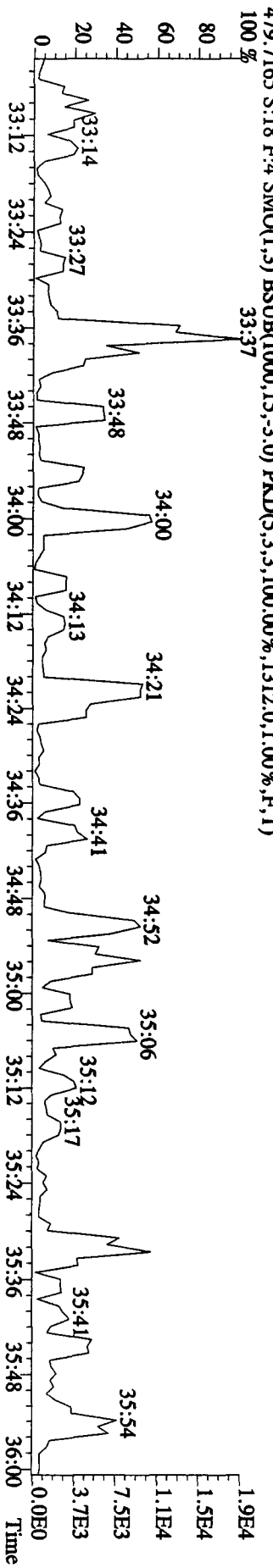
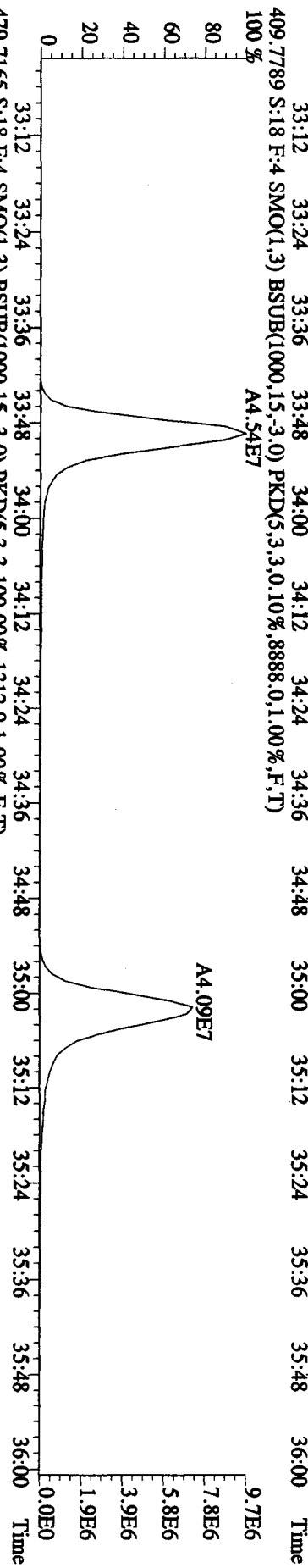
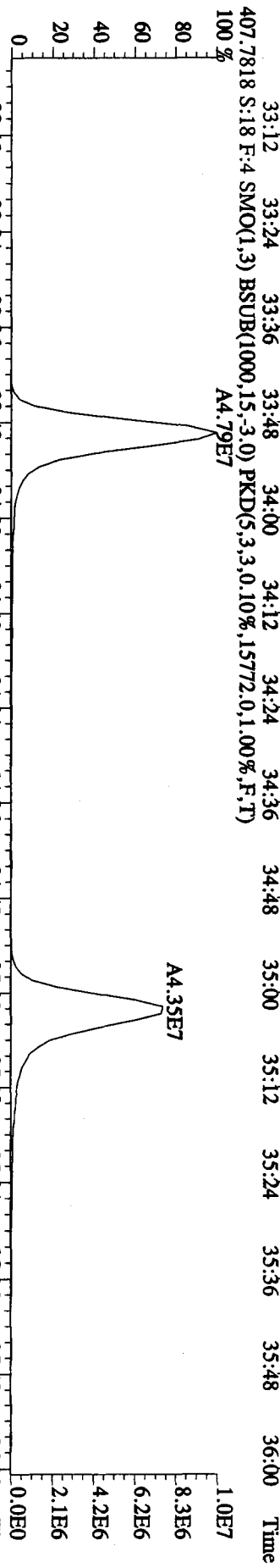
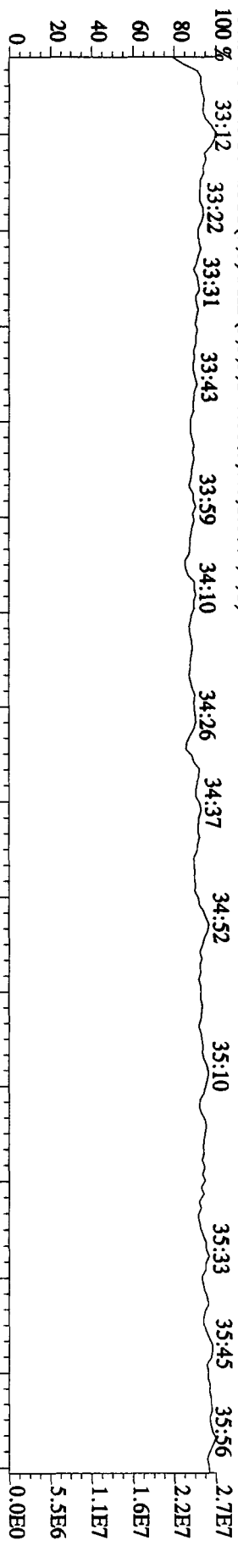
445.7555 S:18 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100,0.0%,632,0.1,0.0%,F,T)
 100% 26:30 27:00 28:00 29:00 30:00 31:00 32:00 33:00
 1.4E4
1.1E4
8.5E3
5.7E3
2.8E3
0.0E0



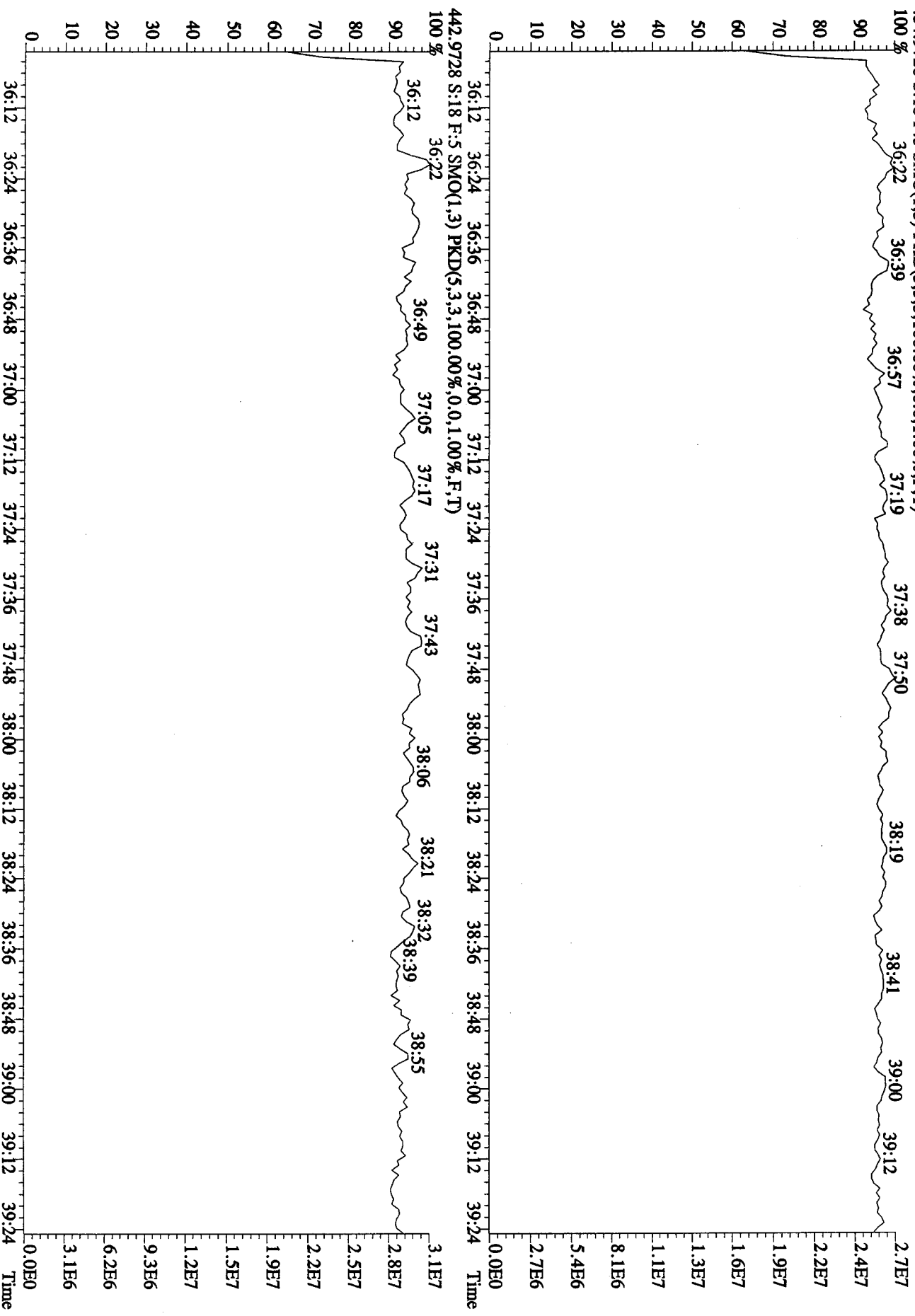
380.9760 S:18 F:3 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)
 100% 26:39 27:21 27:42 28:18 28:40 29:03 29:25 29:49 30:19 30:52 31:20 31:57 32:34
 4.6E7
3.7E7
2.8E7
1.8E7
9.2E6
0.0E0



File:29AP101D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 430.9728 S:18 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 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)
 100 %



Daily Calibration Checklist Dioxin Methods

Method ID 8990

Associated ICAL 8290 123109 IDS

Column ID DB5

Instrument ID IDS

STD ID ST0426B, ST0426C

STD Solution 10 DvN III

Analyzed by AM

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

Std. Pkg. By MSW

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

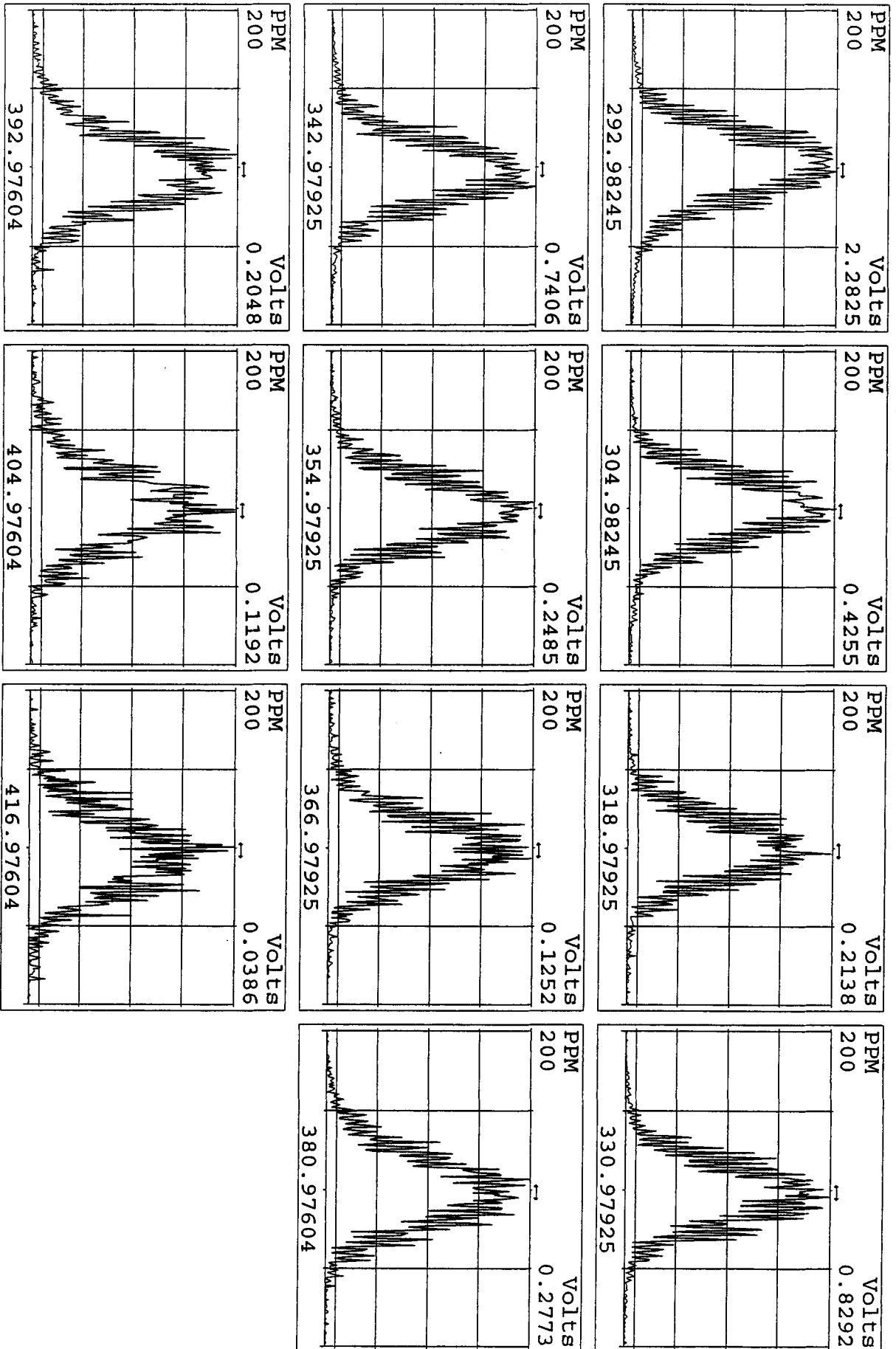
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	214081112	0.80 y	17:27	-	100.00	-	n
13C-2,3,7,8-TCDF	326632032	0.79 y	16:57	1.53	100.00	-2.6	n
2,3,7,8-TCDF	30097241	0.78 y	16:58	0.92	10.00	7.2	n
Total TCDF	30505573	0.93 n	16:37	0.92	10.00	7.2	n
13C-2,3,7,8-TCDD	205656496	0.81 y	17:39	0.96	100.00	-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

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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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	
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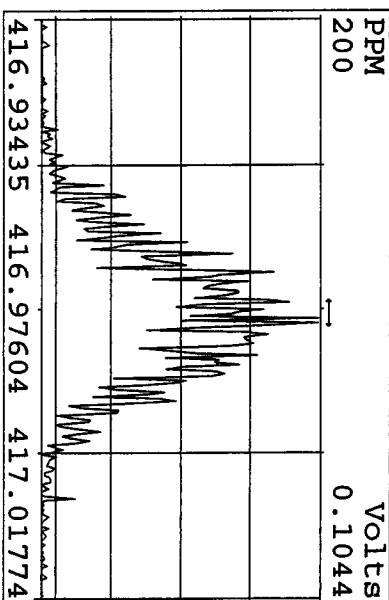
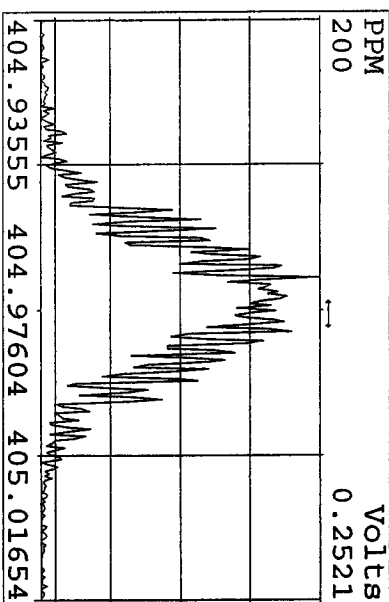
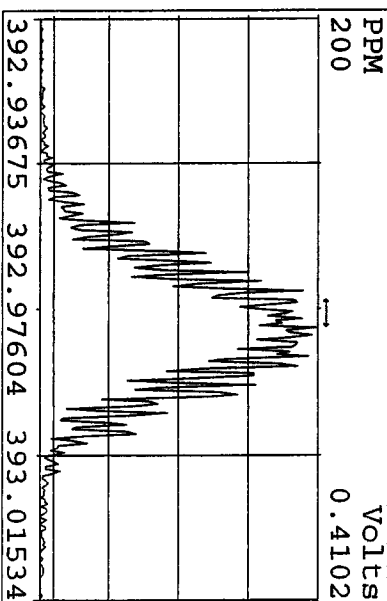
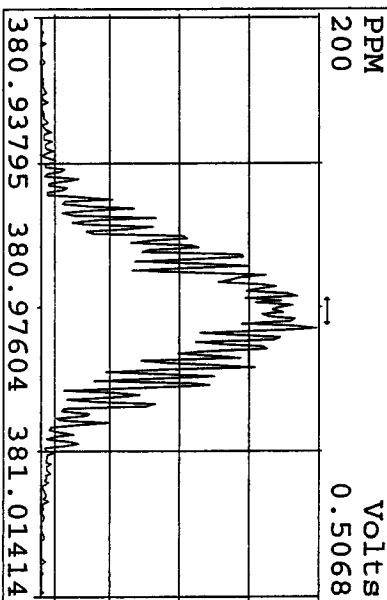
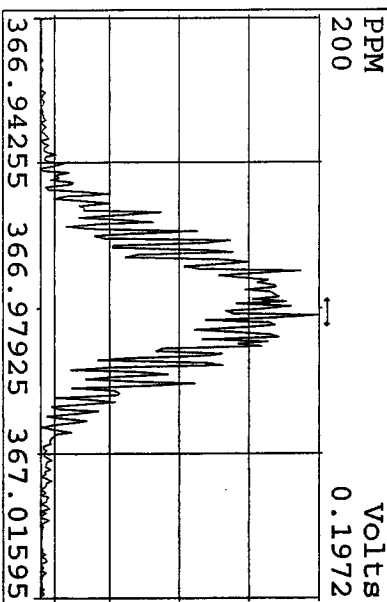
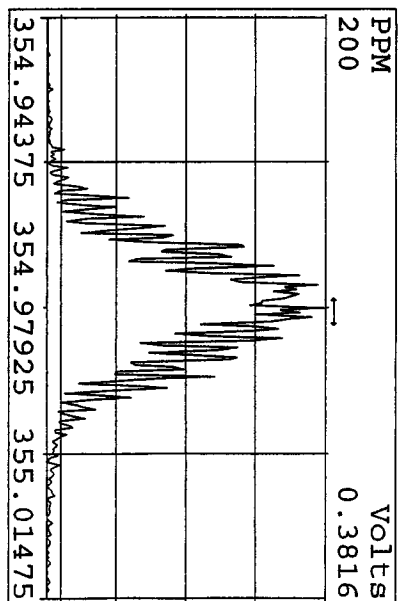
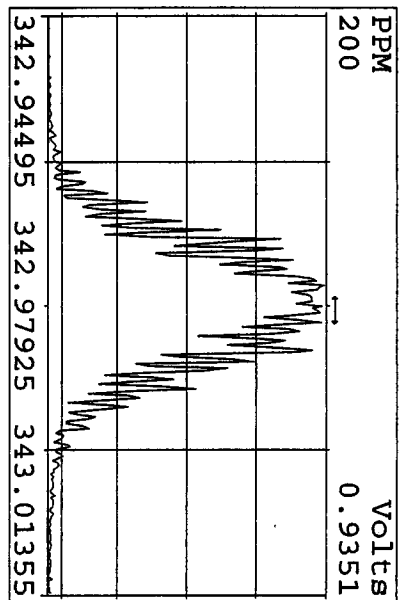
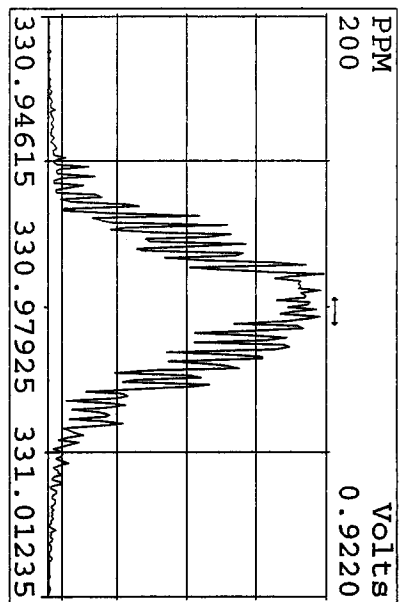
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04-27-10
SMA

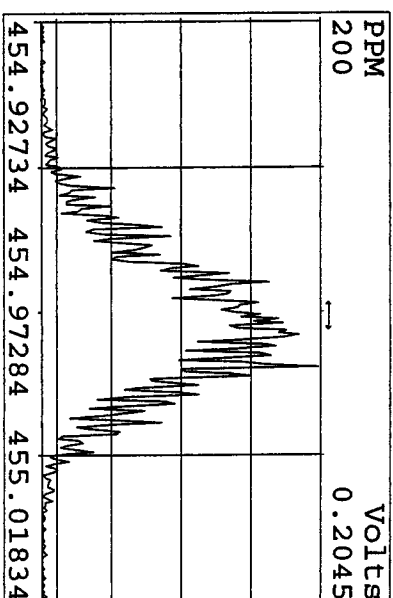
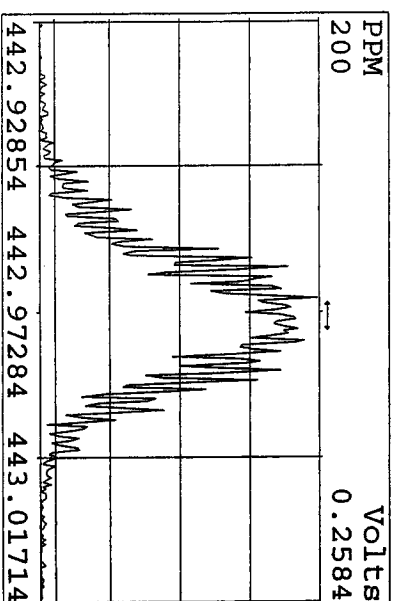
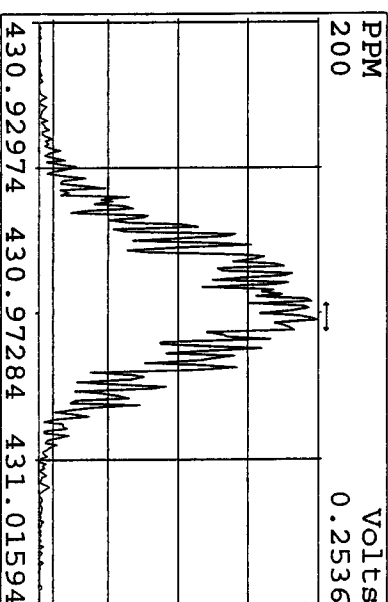
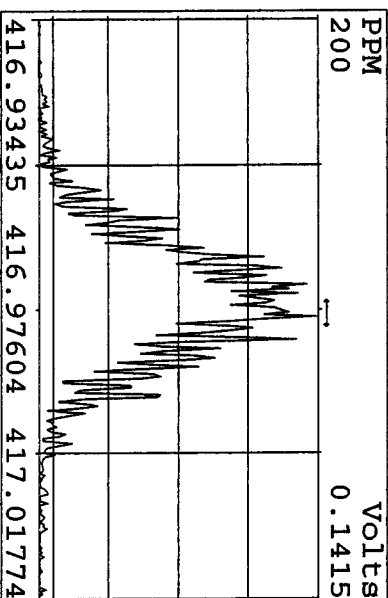
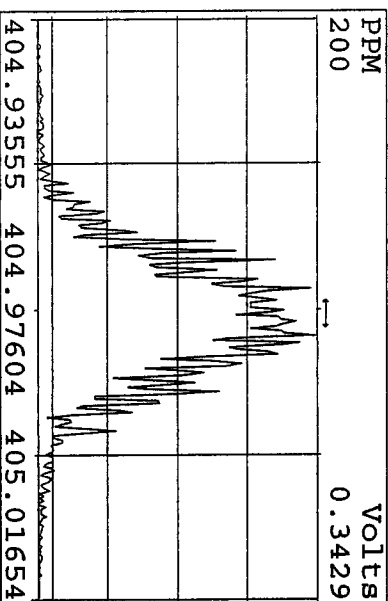
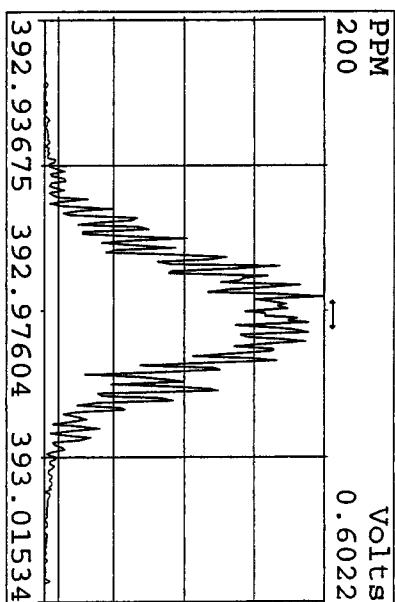
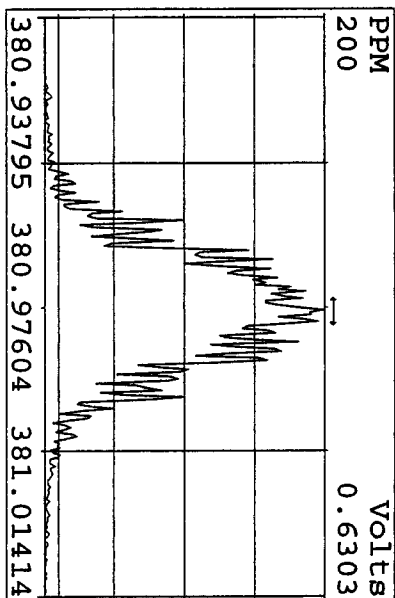
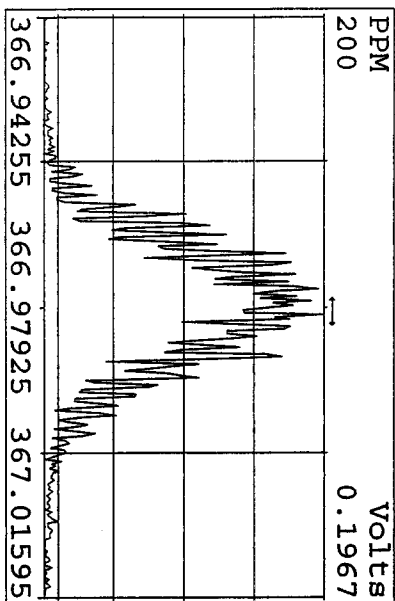
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Experiment: DIOXIN Function: 1 Reference: PFK



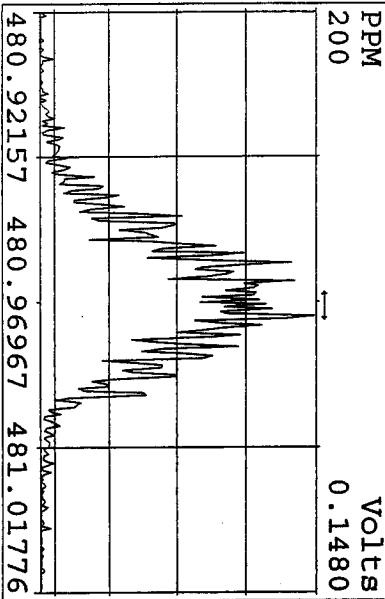
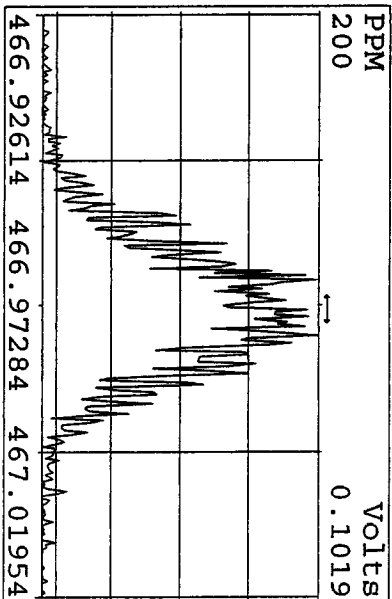
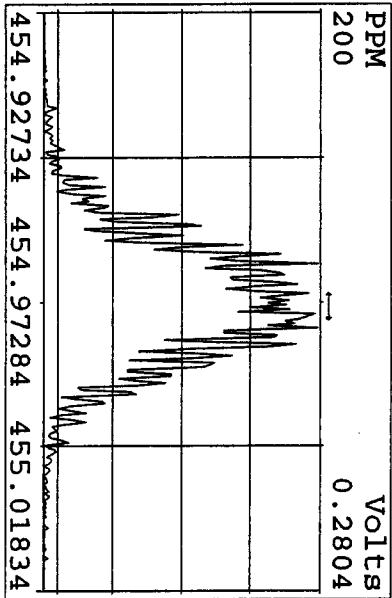
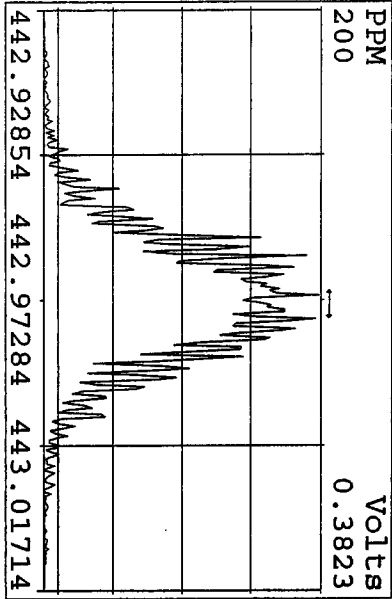
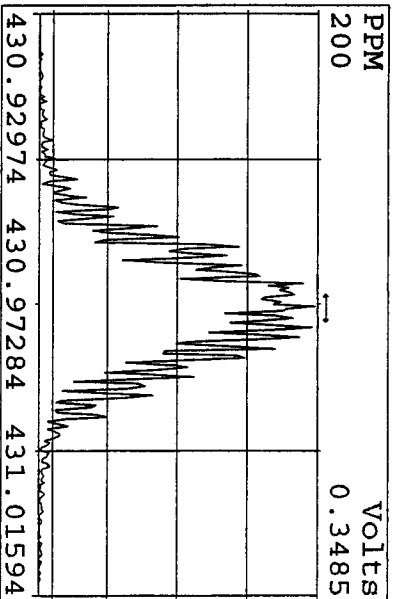
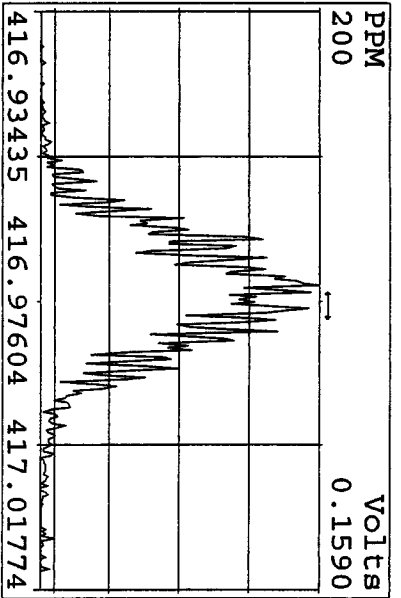
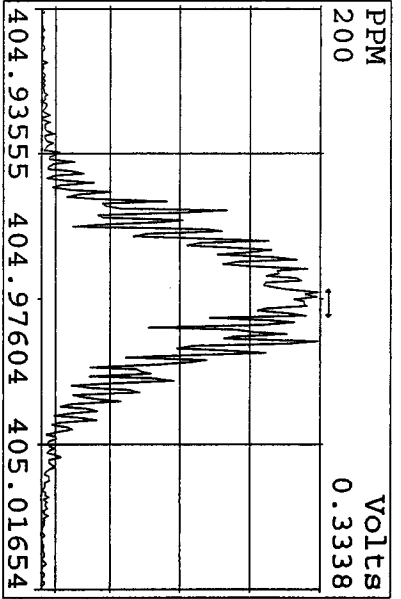
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 Experiment:DIOXIN Function:2 Reference:PFK



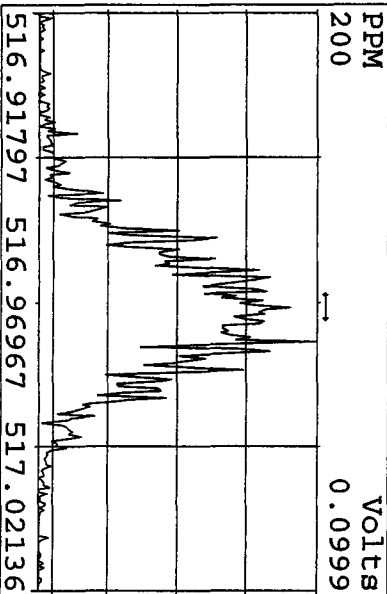
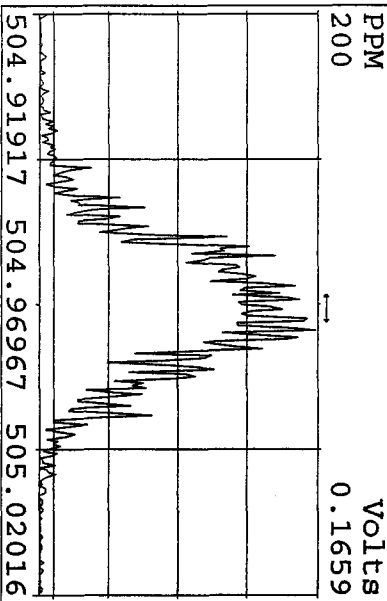
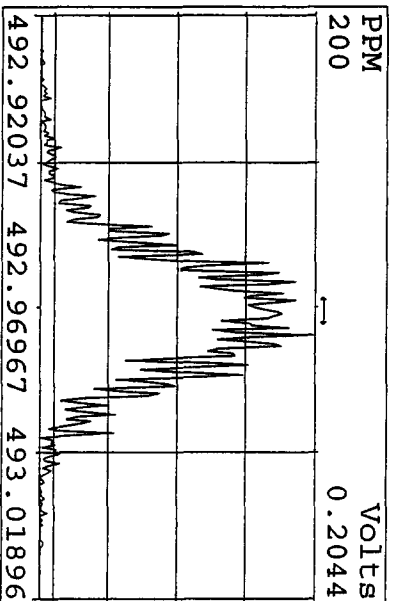
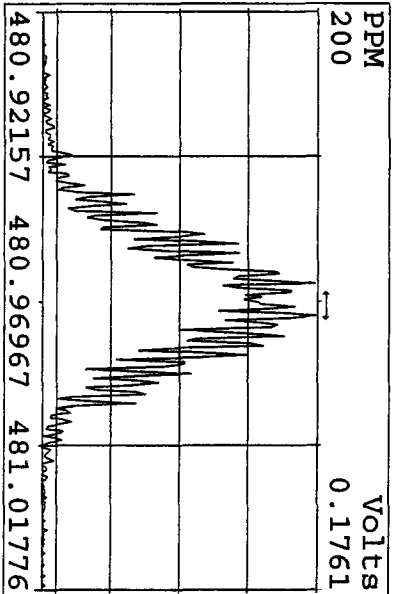
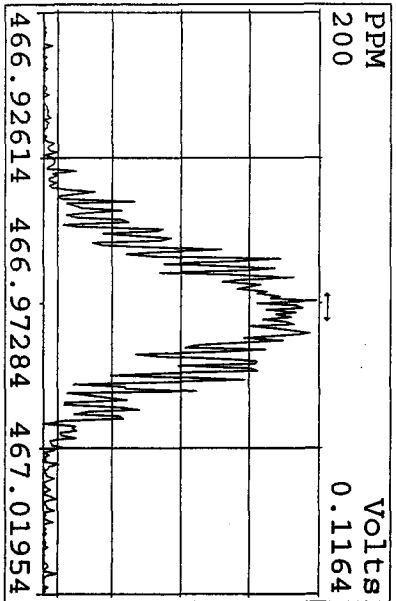
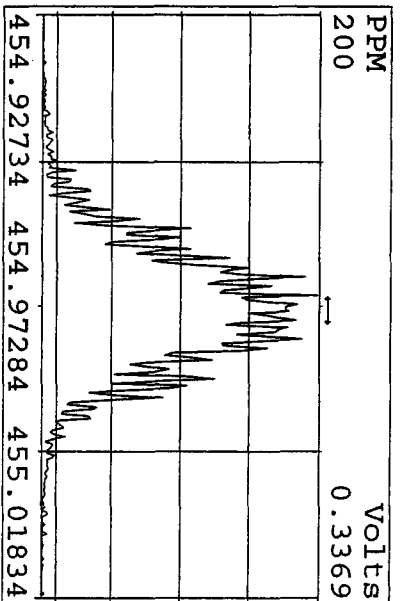
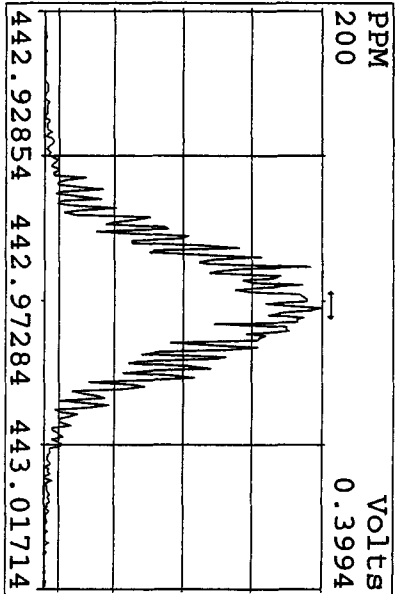
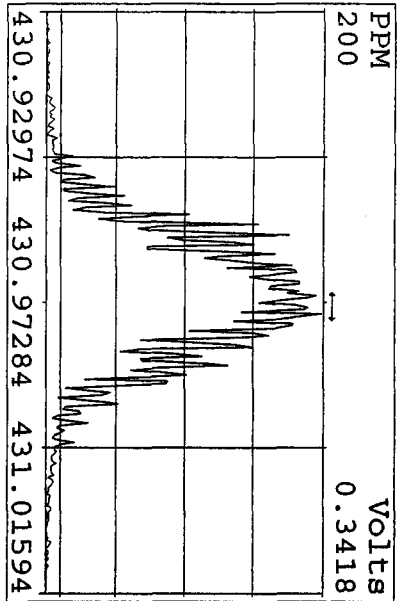
Peak Locate Examination: 26-APR-2010: 18:38 File: 26AP10A1D5
 Experiment: DIOXIN Function: 3 Reference: PRK



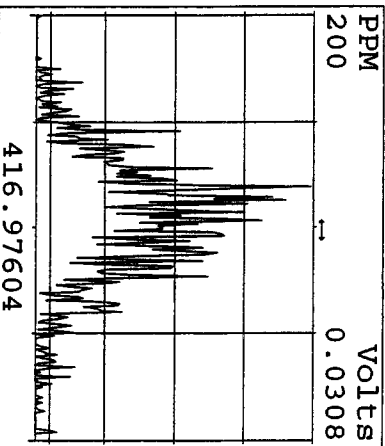
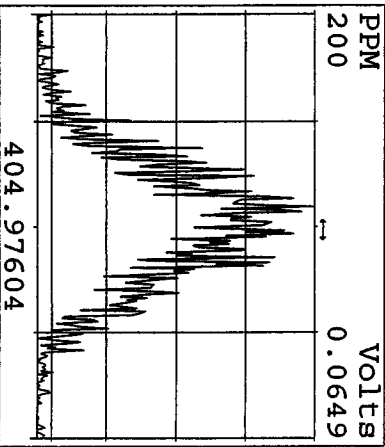
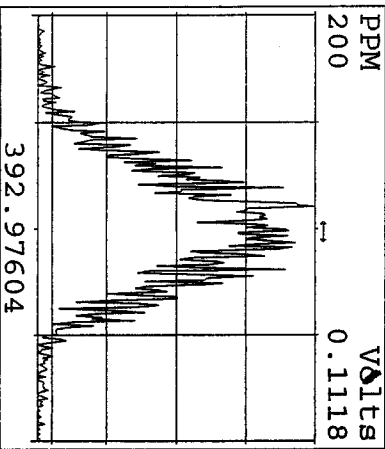
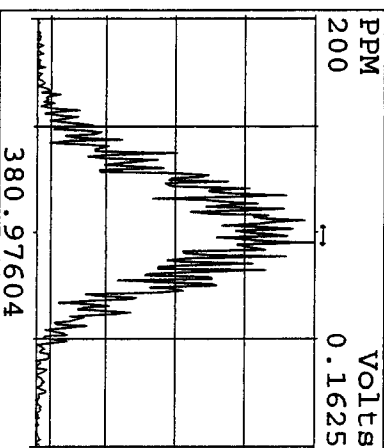
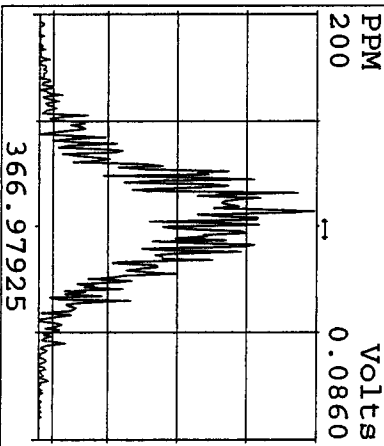
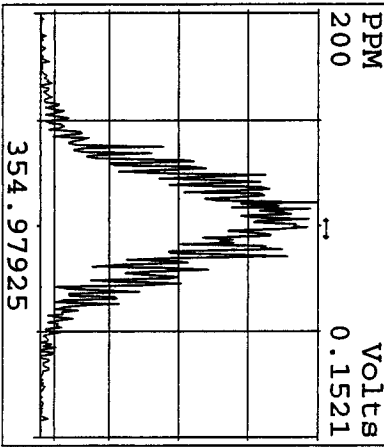
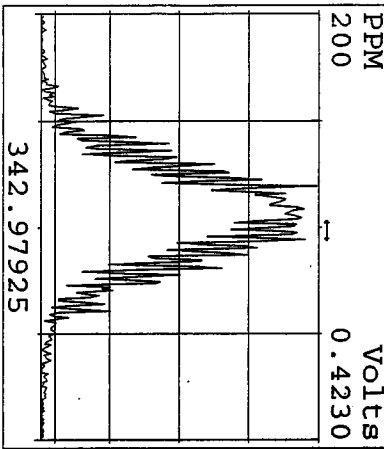
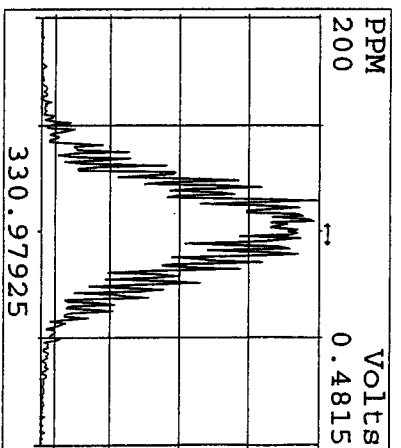
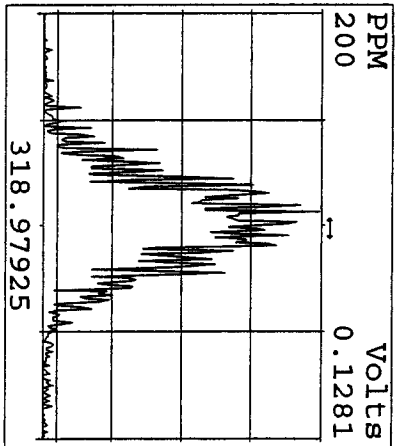
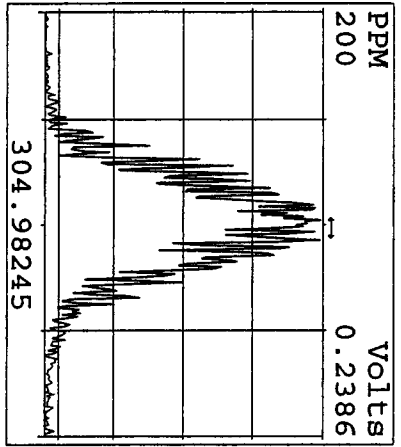
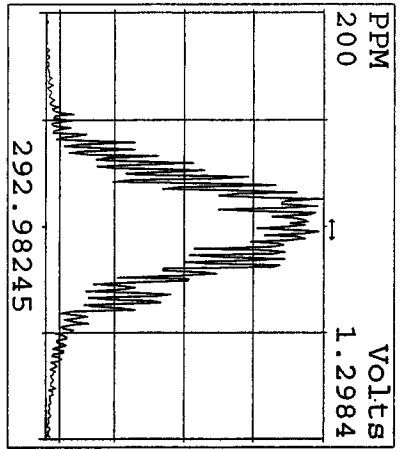
Peak Locate Examination: 26-APR-2010: 18:41 File: 26API0A1D5
 Experiment: DIOXIN Function: 4 Reference: PFK



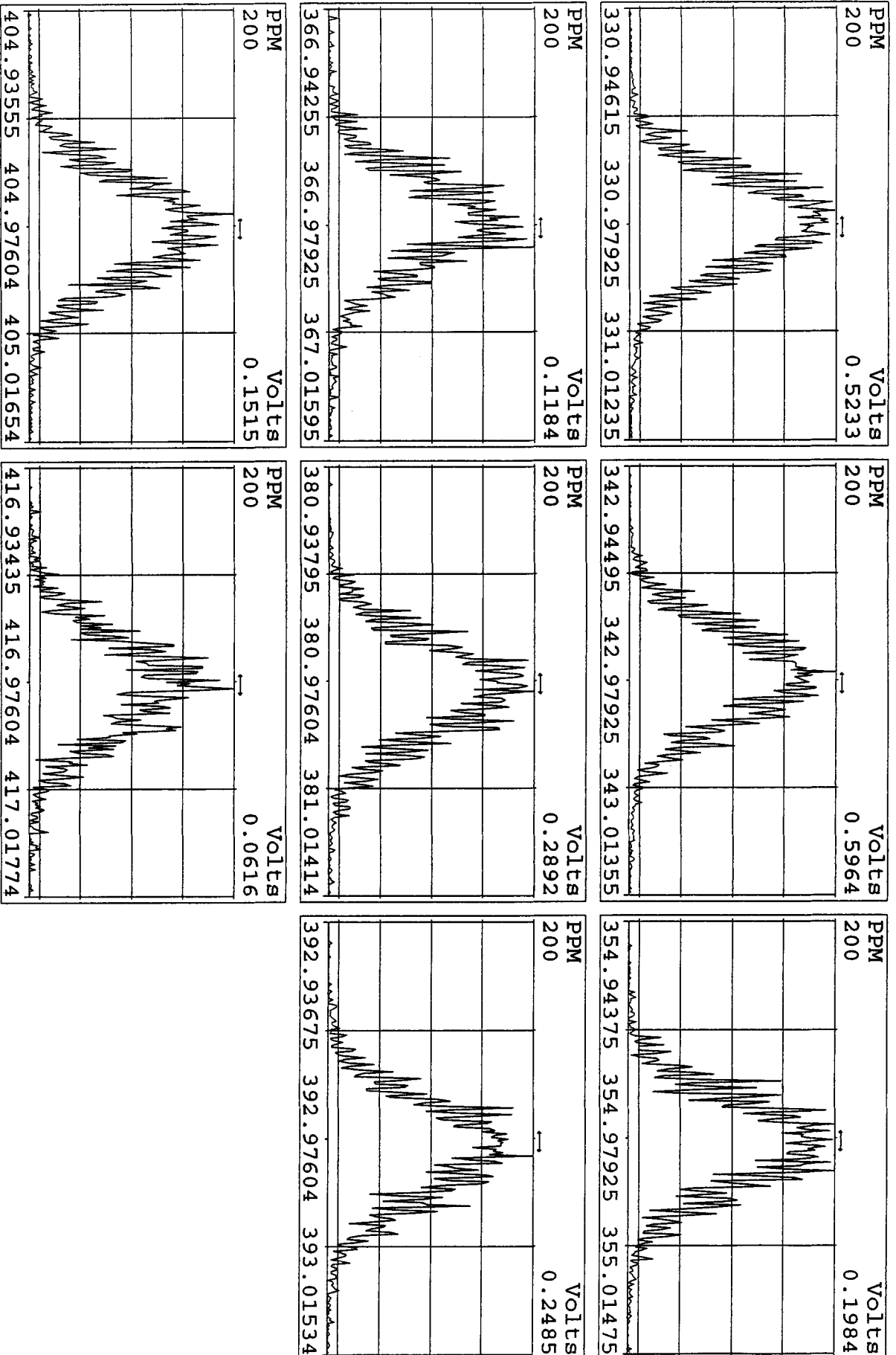
Peak Locate Examination:26-APR-2010:18:43 File:26API0A1D5
 Experiment:DIOXIN Function:5 Reference:PFK



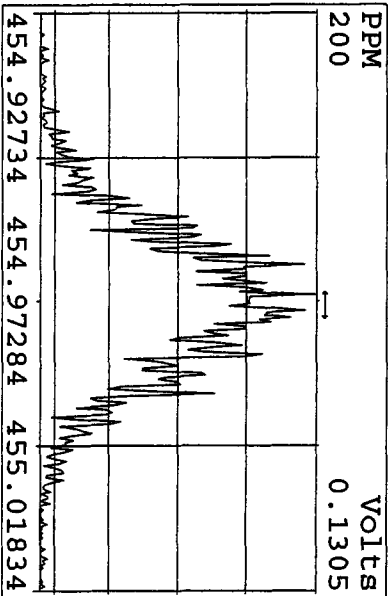
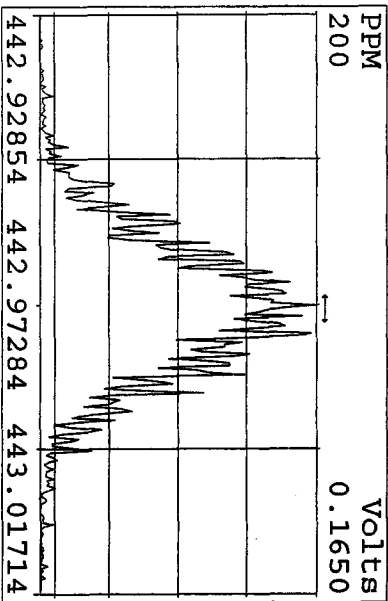
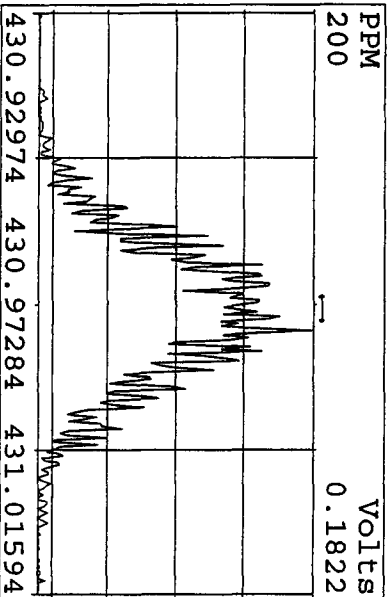
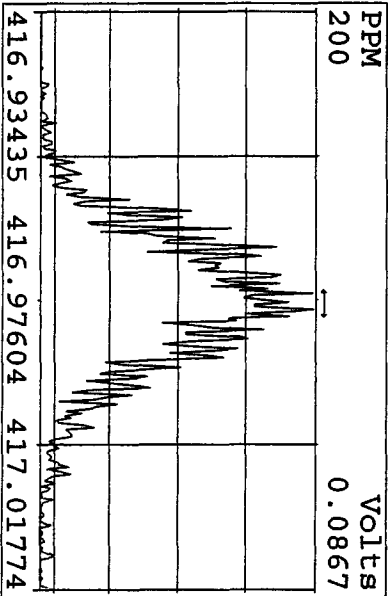
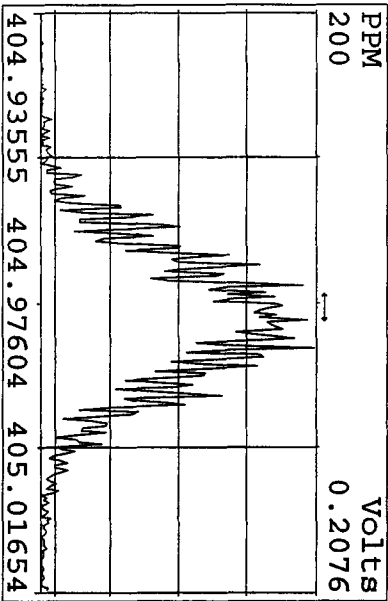
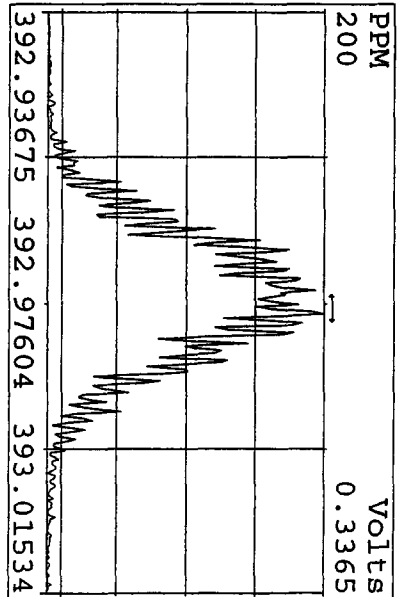
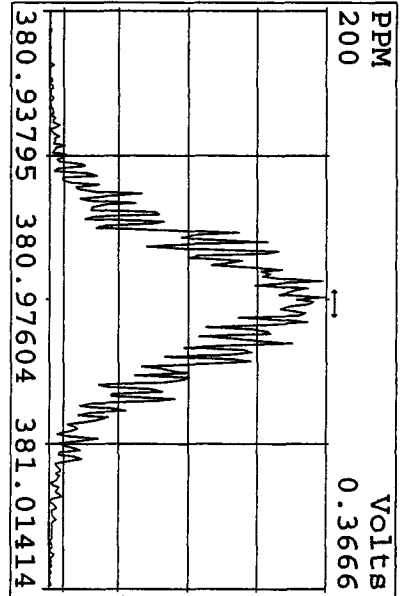
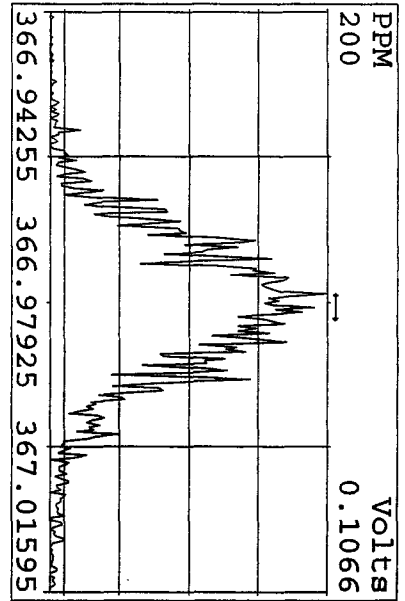
Peak Locate Examination: 27-APR-2010: 06:06 File: RESCHECK1.DS
Experiment: DIOXIN Function: 1 Reference: PFK



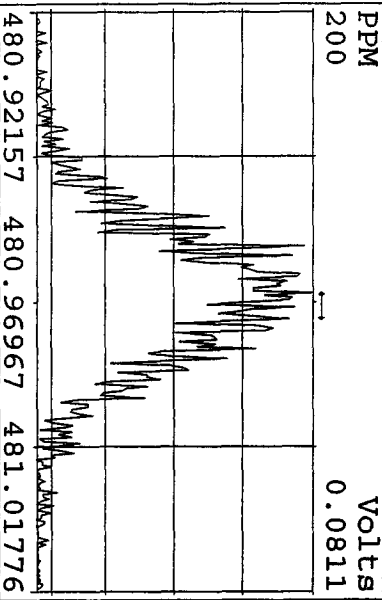
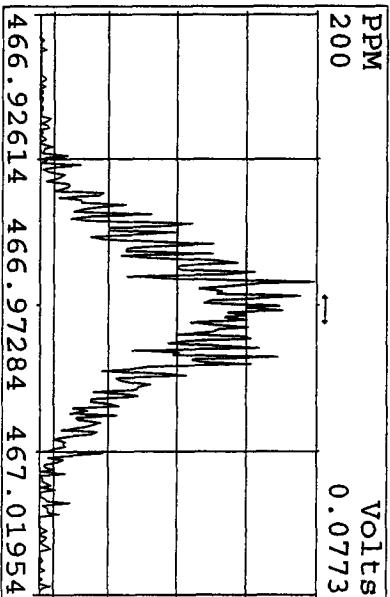
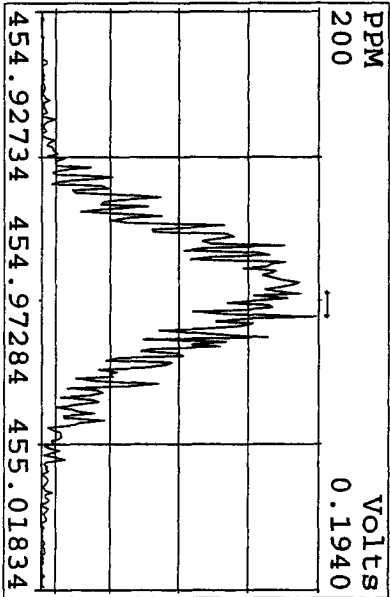
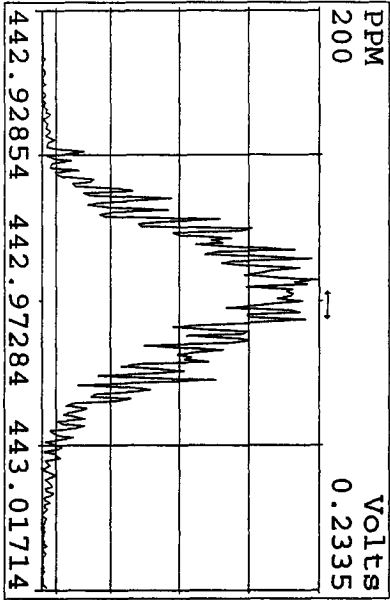
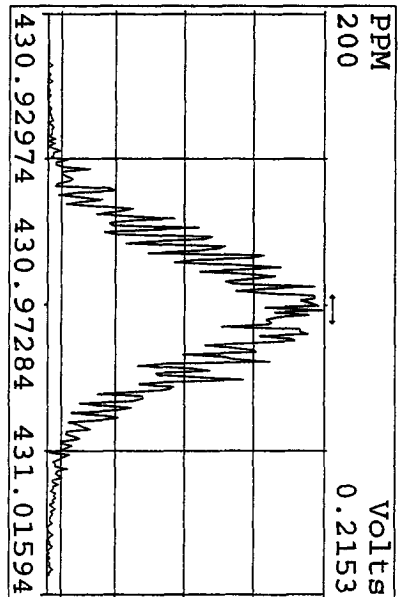
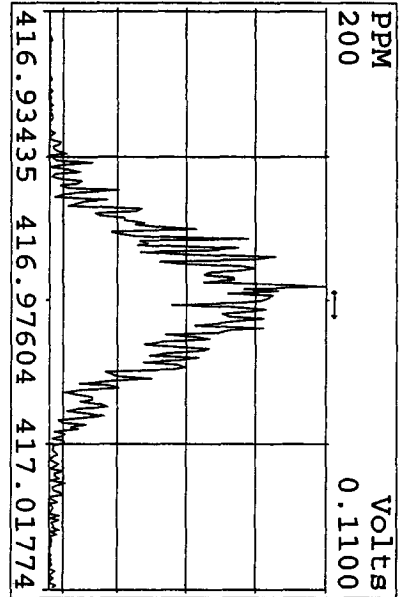
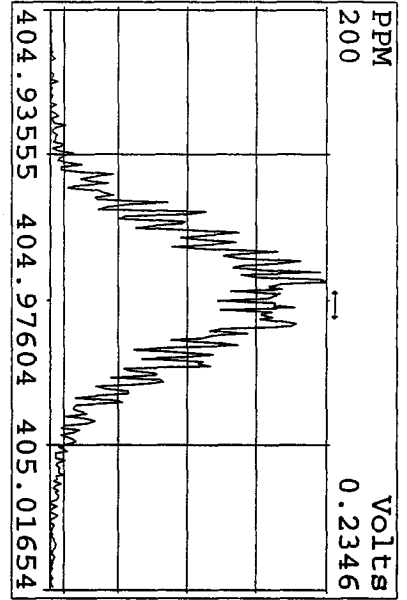
Peak Locate Examination: 27-APR-2010:06:07 File: RESCHECK1D5
 Experiment: DIOXIN Function: 2 Reference: PFK



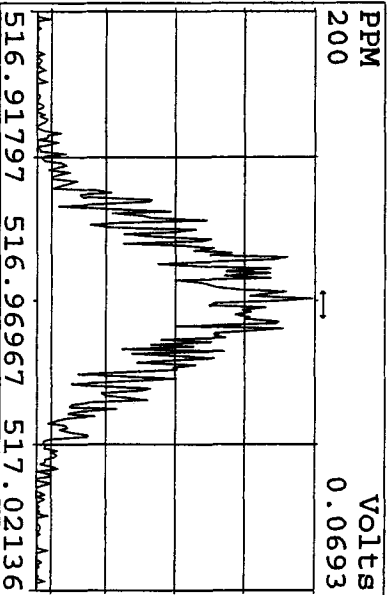
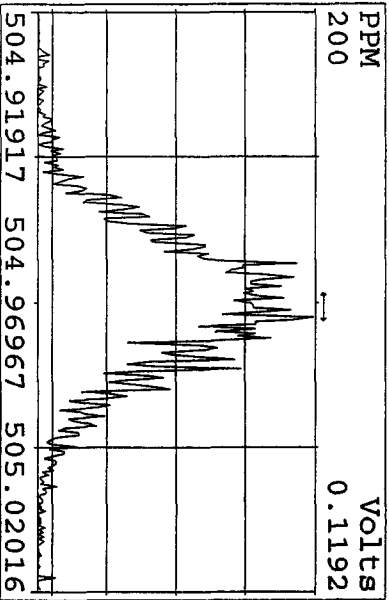
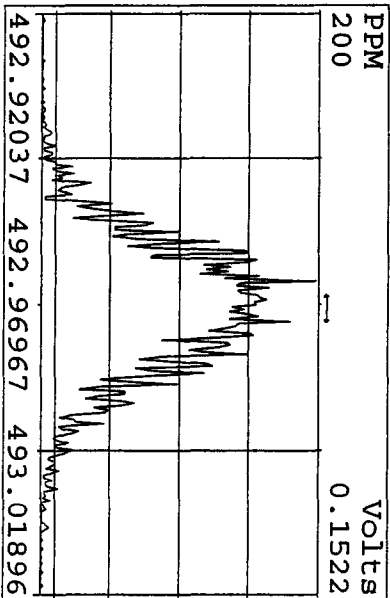
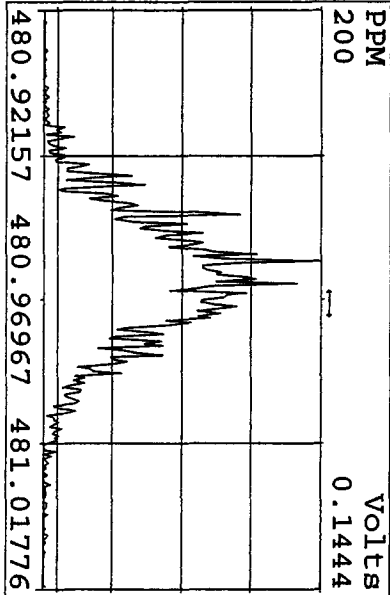
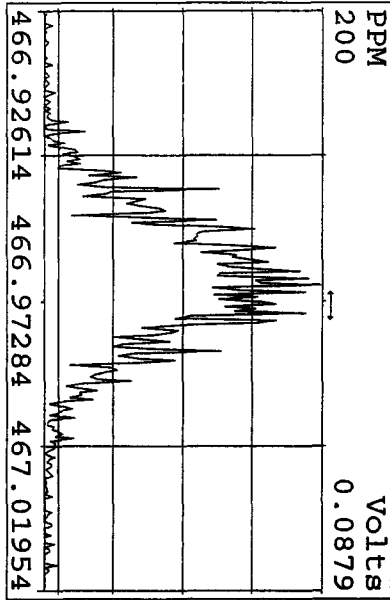
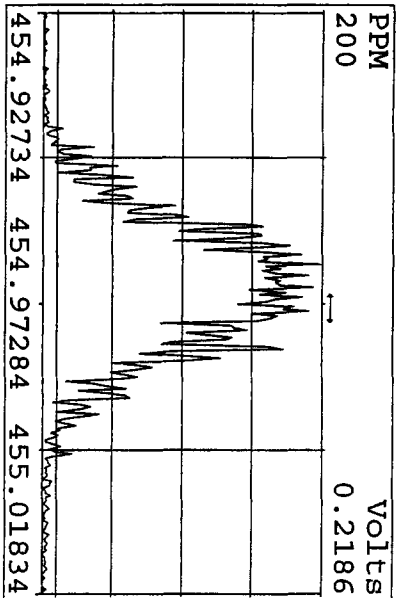
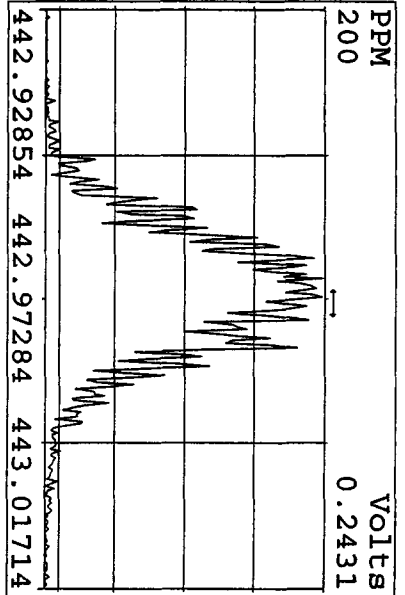
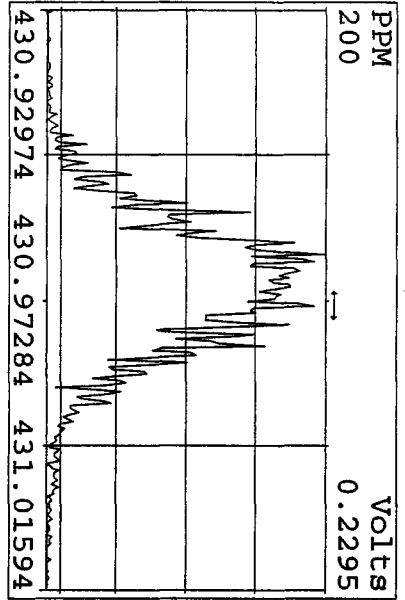
Peak Locate Examination:27-APR-2010:06:08 File:RESCHECK1D5
 Experiment:DIOXIN Function:3 Reference:PFK



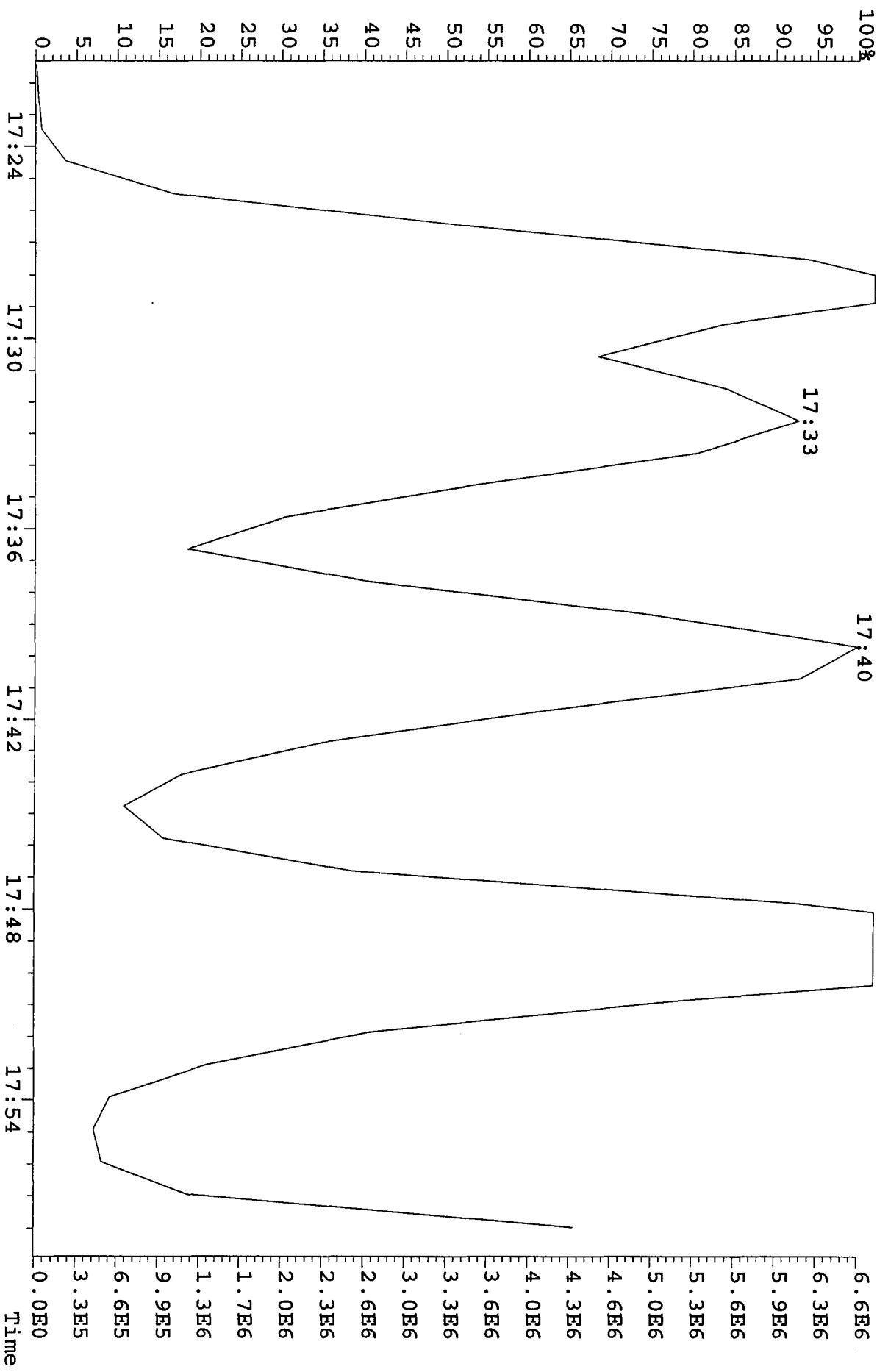
Peak Locate Examination: 27-APR-2010: 06:09 File: RESCHECK1D5
 Experiment: DIOXIN Function: 4 Reference: PFK



Peak Locate Examination:27-APR-2010:06:10 File:RSCHECK1D5
 Experiment:DIOXIN Function:5 Reference:PFK



File: 26AP10A1D5 #1-385 Acq: 26-APR-2010 20:26:50 GC FI+ Voltage SIR 70SE
 Sample#3 Text: CP0426A :DB-5 CPSM 3732-05 Exp: DIOXIN
 321.8936 S:3



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	S2	S3	S4	S5	S6
				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

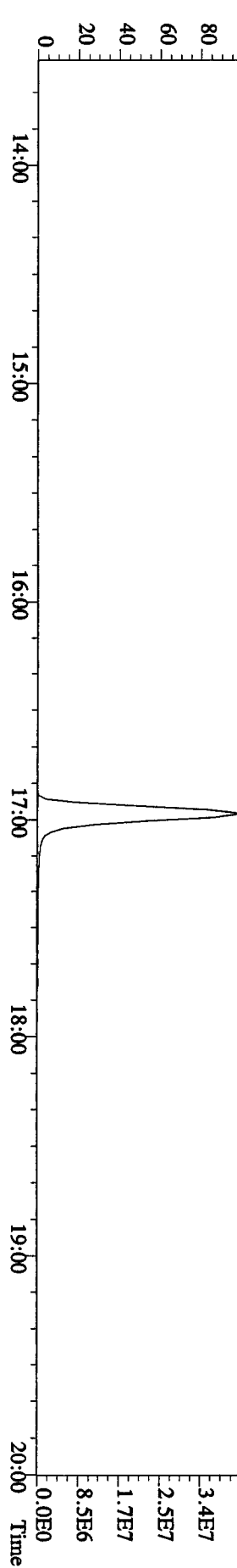
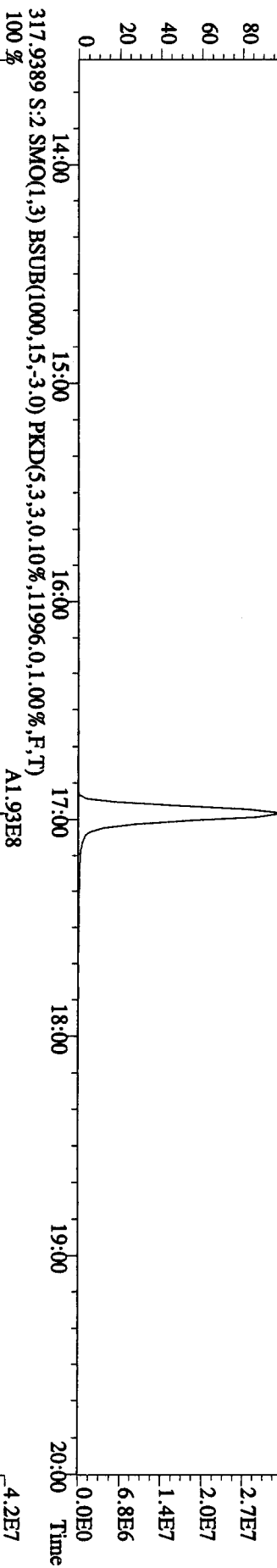
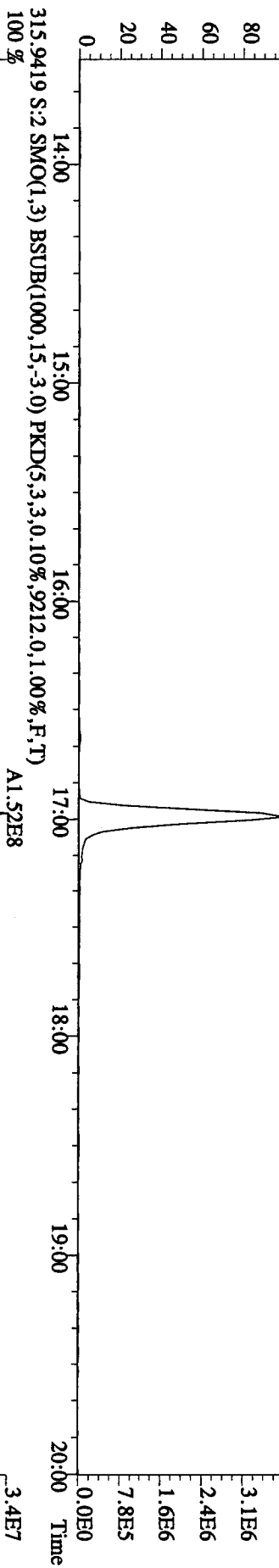
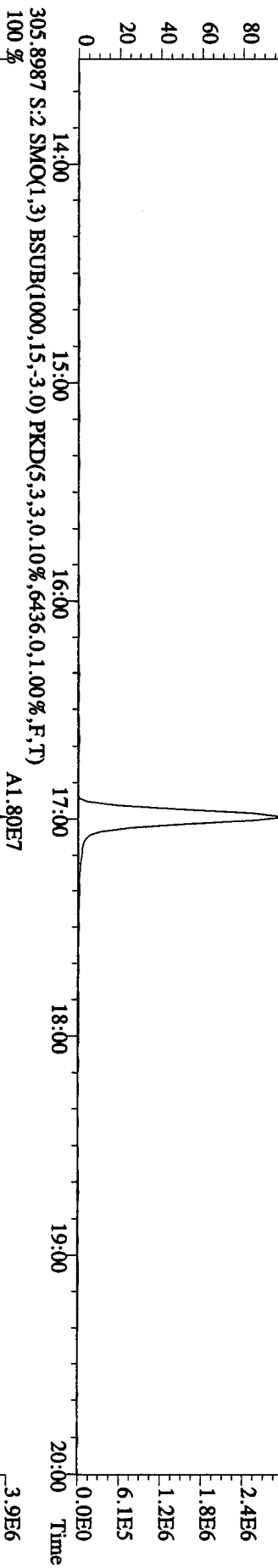
13C-1,2,3,7,8-HxCDD	-	-	- %	-	-	-	-	-
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13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	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

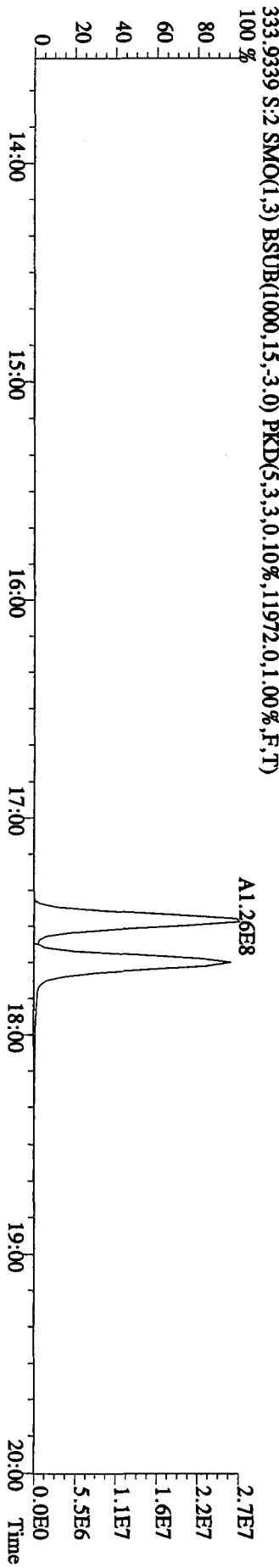
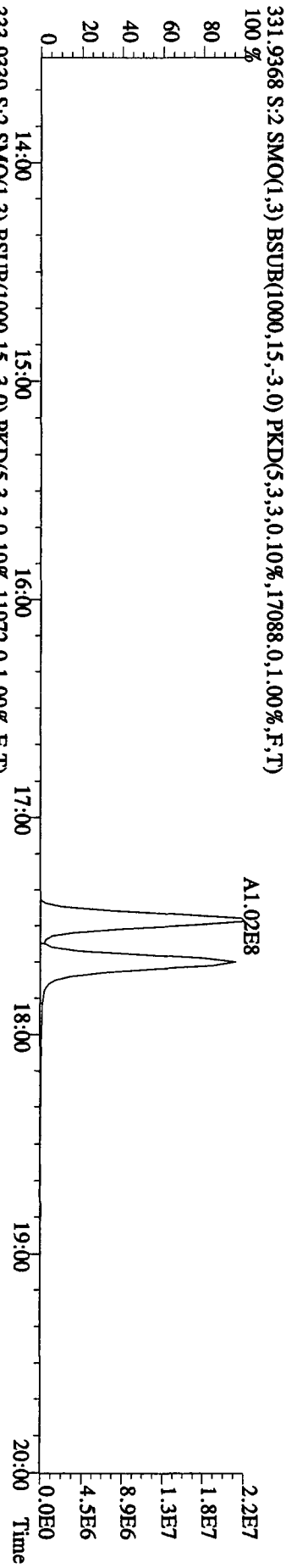
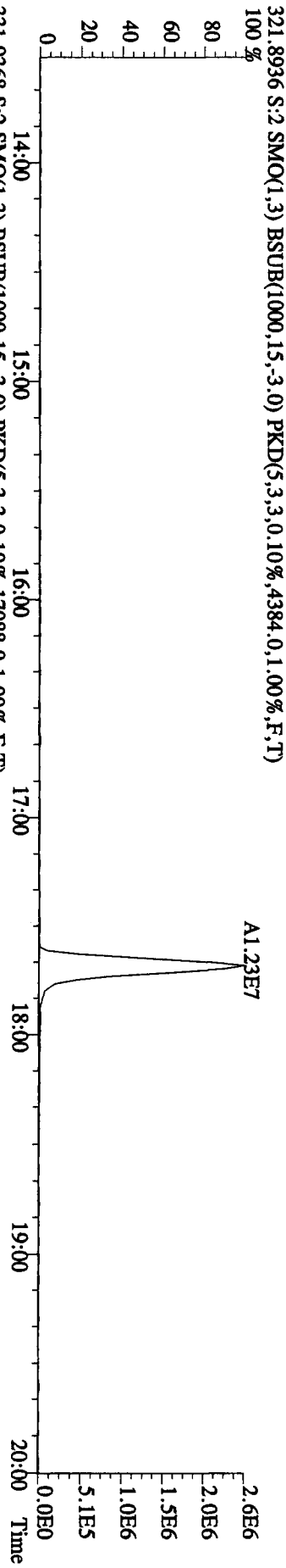
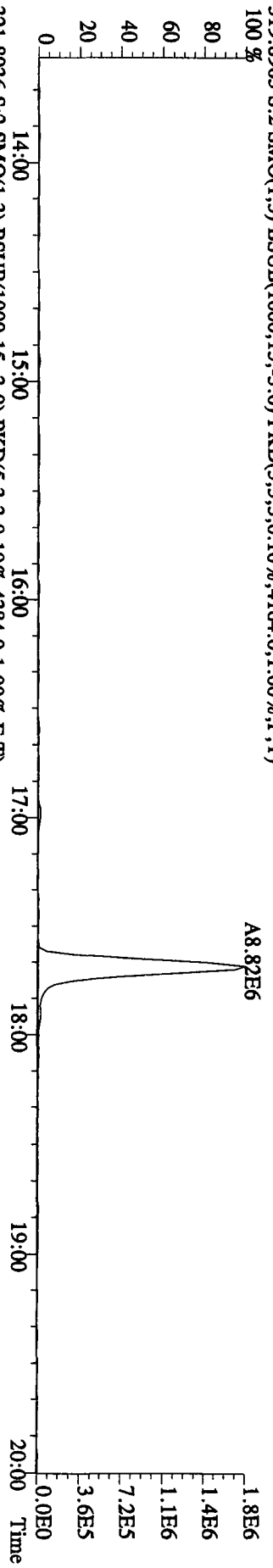
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

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

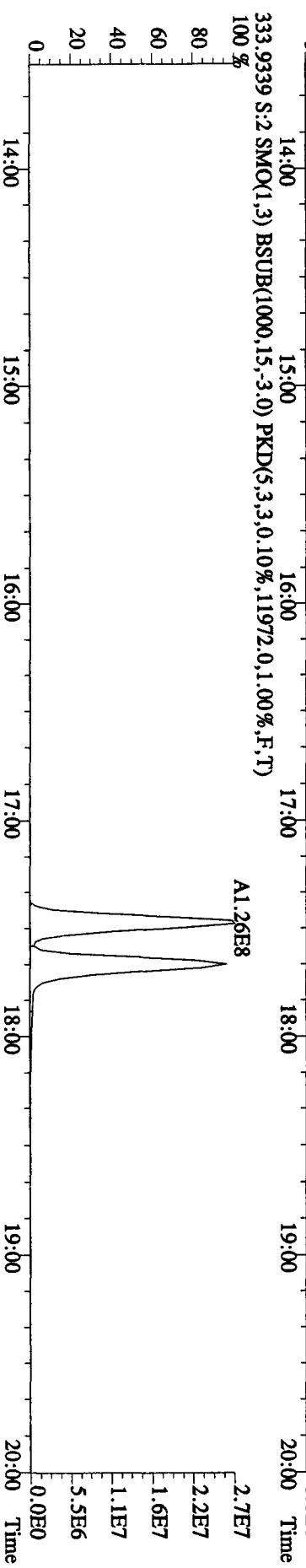
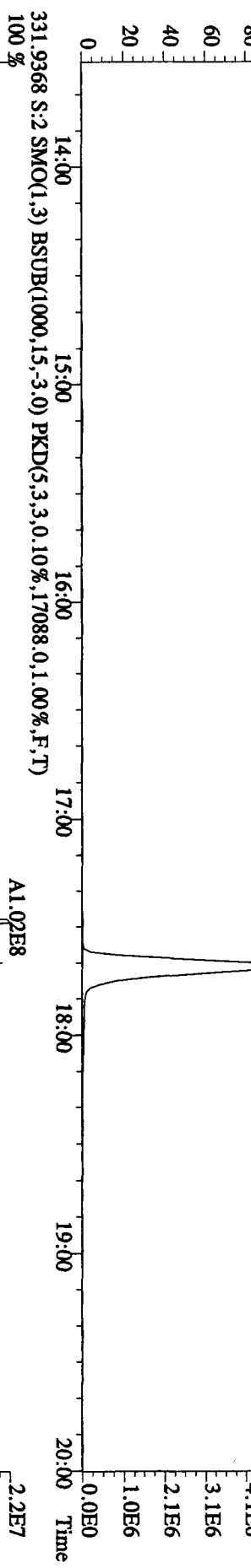
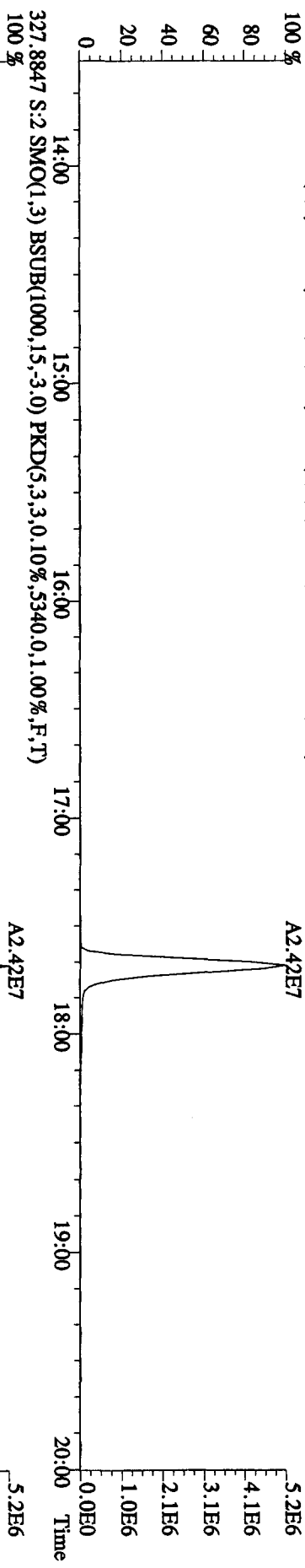
File:26API0AID5 #1-384 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



File:26API0A1D5 #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%,4164,0.1,0.00%,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
 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%



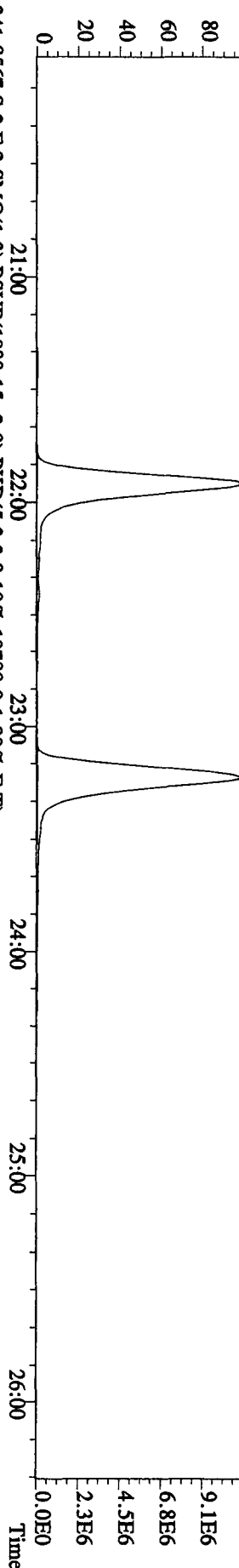
File:26API0A1ID5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST0426B :CS3 10DXN111

Exp:DIOXIN

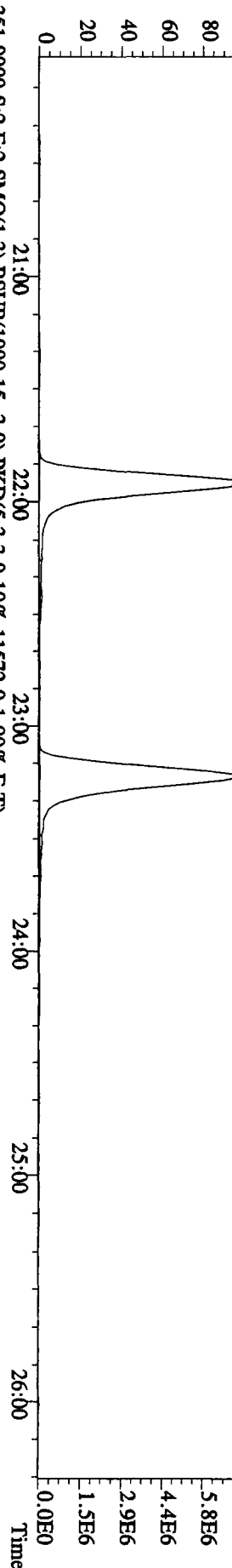
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7224,0,1,00%,F,T)

100% A7.40E7 A7.80E7



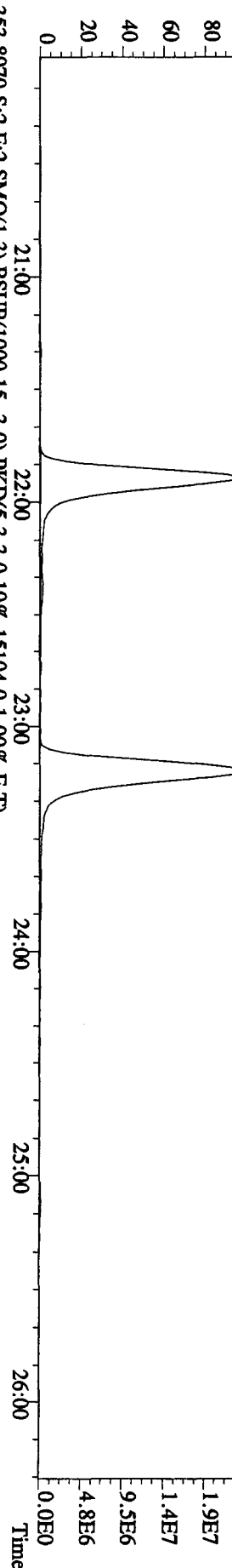
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10780,0,1,00%,F,T)

100% A4.78E7 A4.87E7



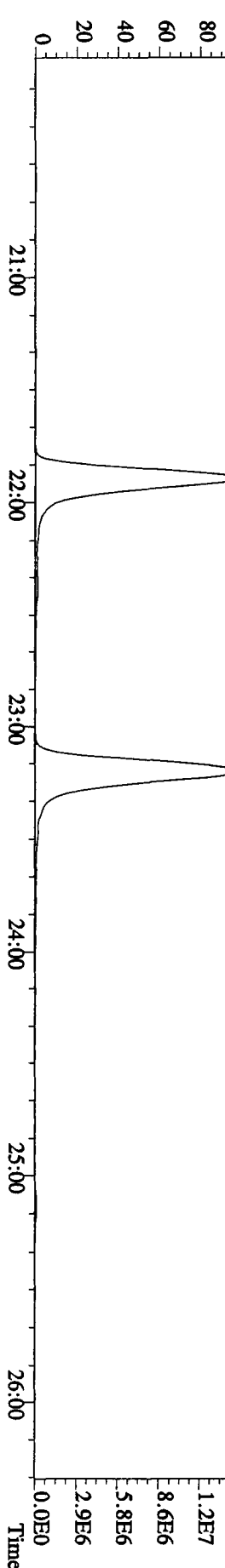
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11572,0,1,00%,F,T)

100% A1.50E8 A1.65E8

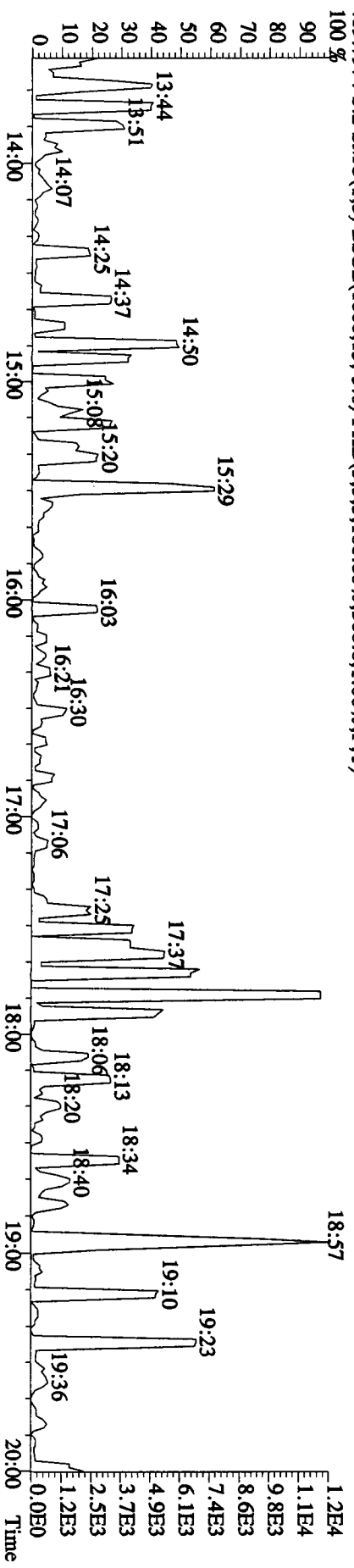
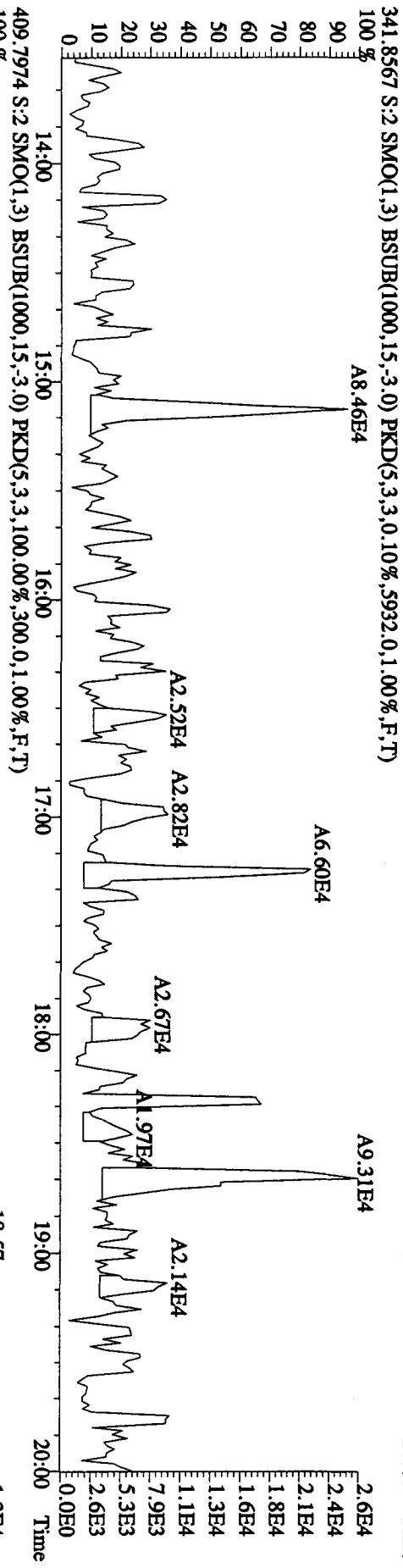
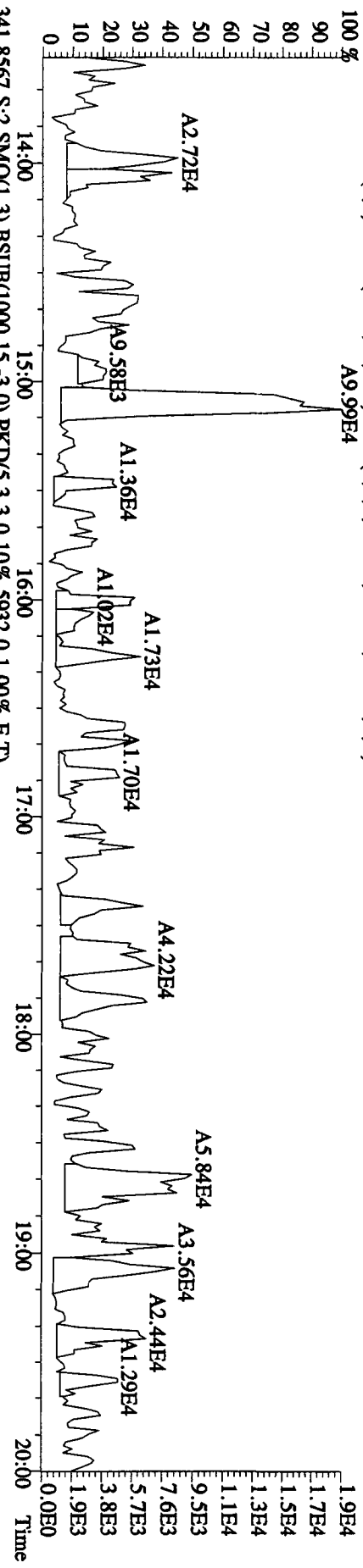


353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15104,0,1,00%,F,T)

100% A9.27E7 A1.01E8



File:26AP10A1D5 #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)
 100% A9.99E4

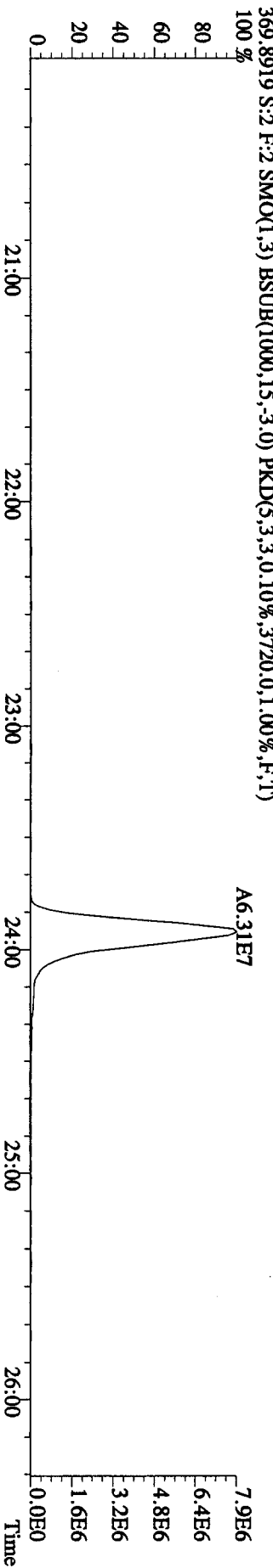
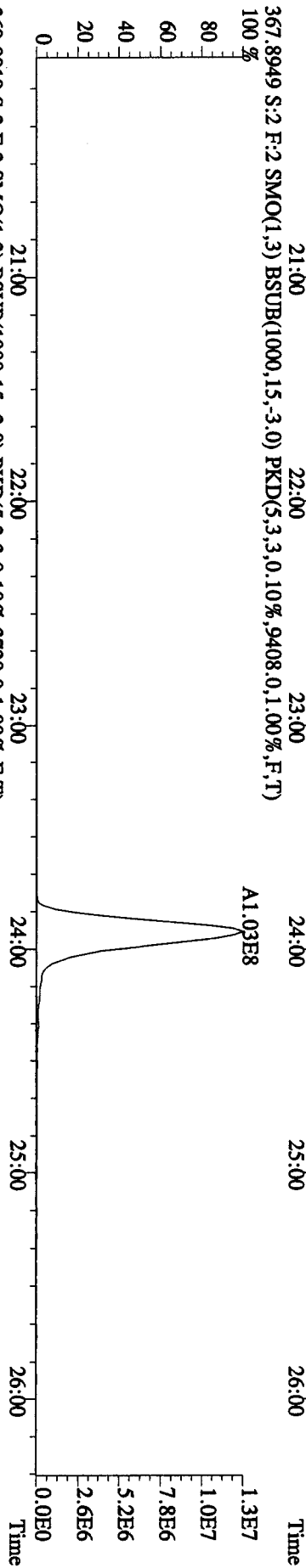
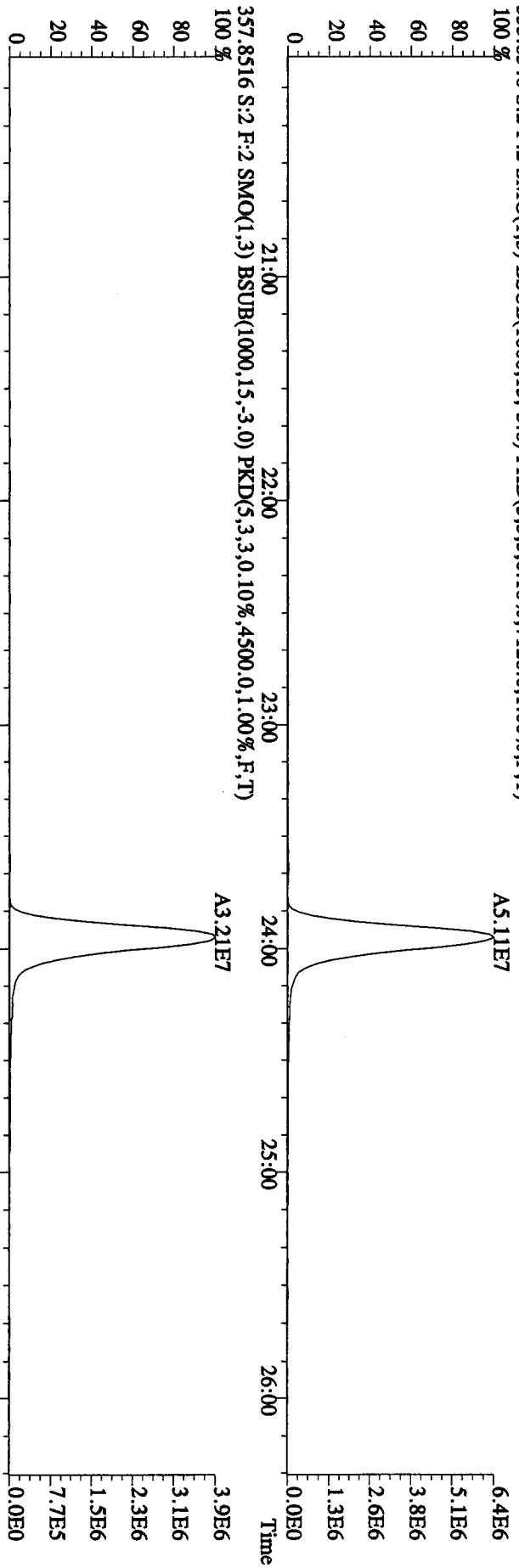


File:26AP10A1D5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

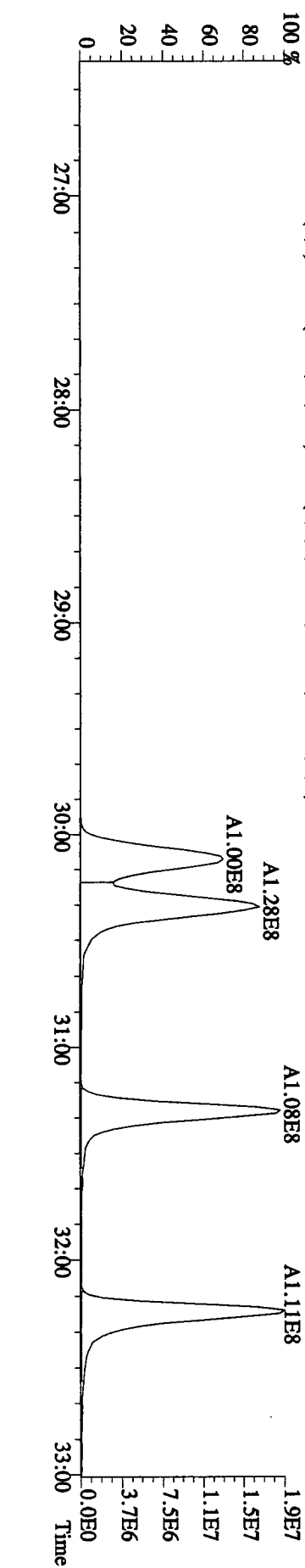
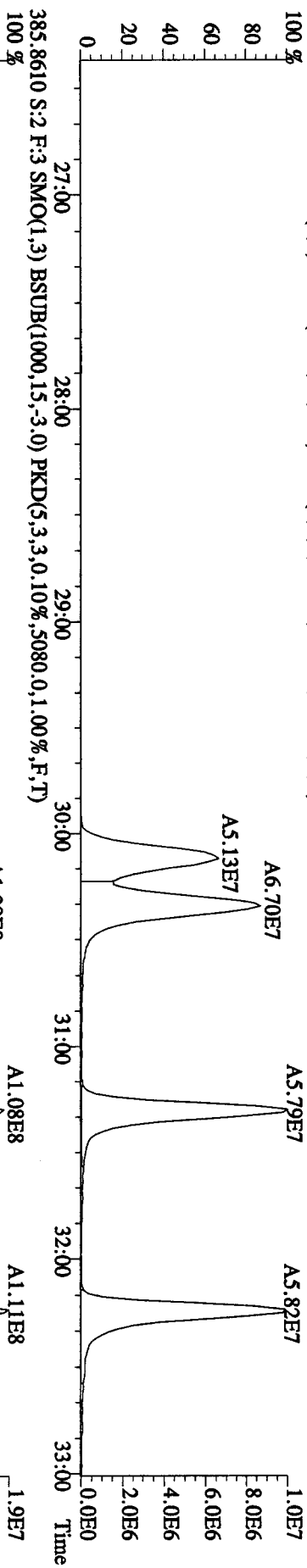
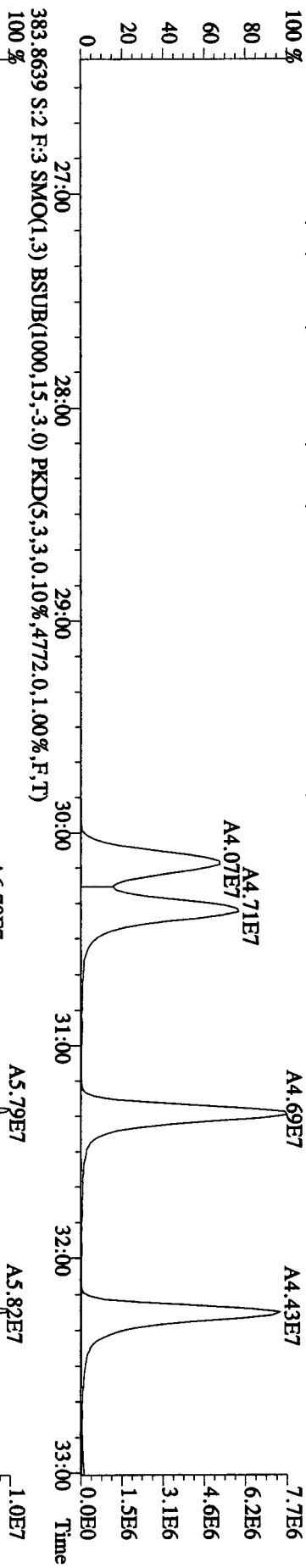
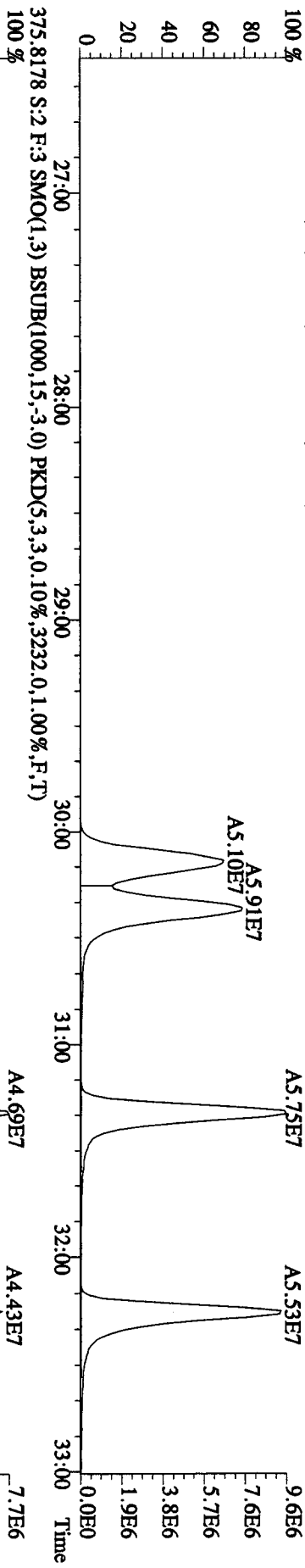
Sample#2 Text:ST0426B :CS3 10DXN111

Exp:DIOXIN

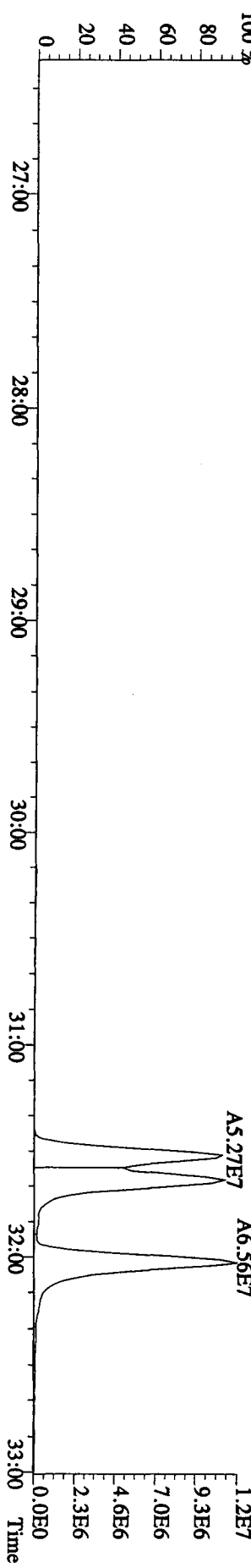
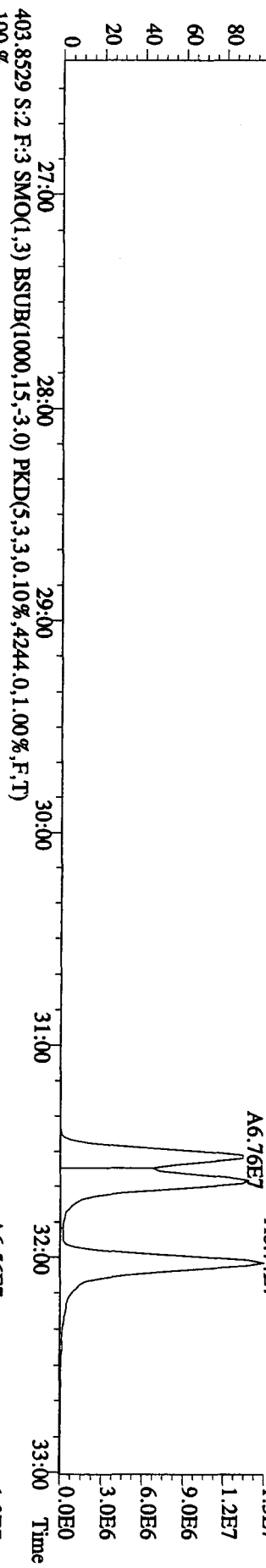
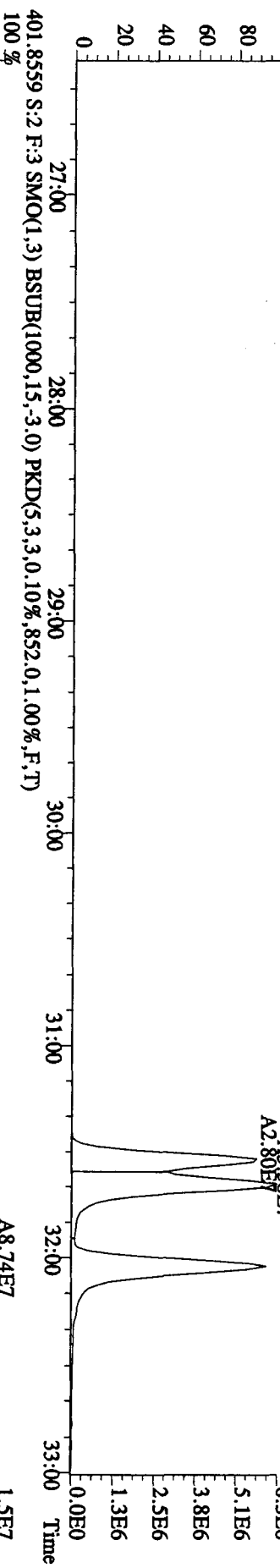
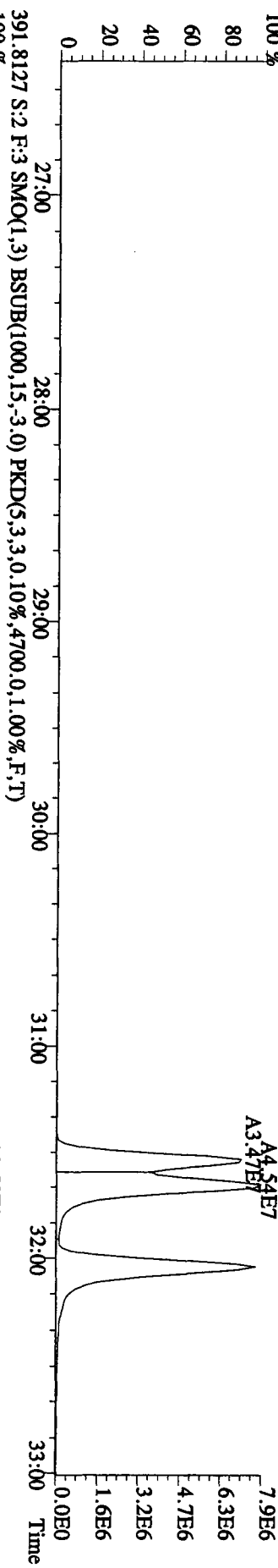
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7128,0.1,00%,F,T) 100%



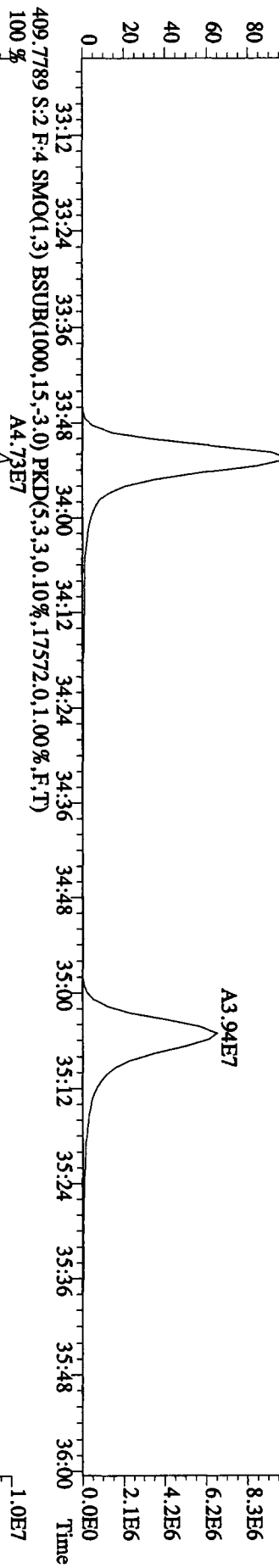
File:26AP10A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp.:DIOXIN
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3832,0,1,00%,F,T)
 100%



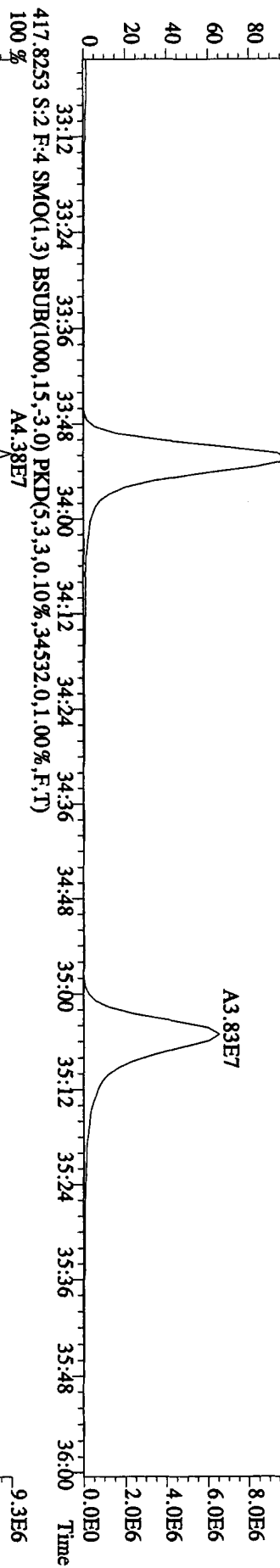
File:26AP10A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3072,0,1,00%,F,T)



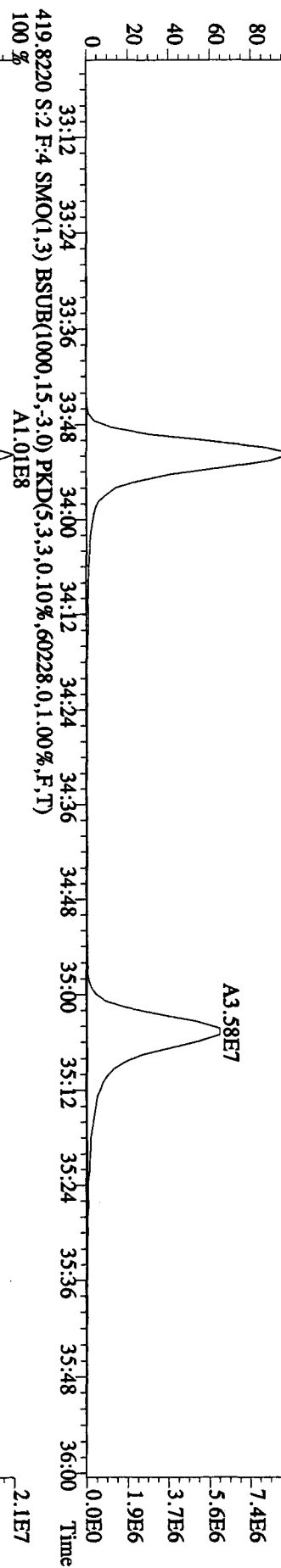
407.7818 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8364.0,1.00%,F,T) 100%



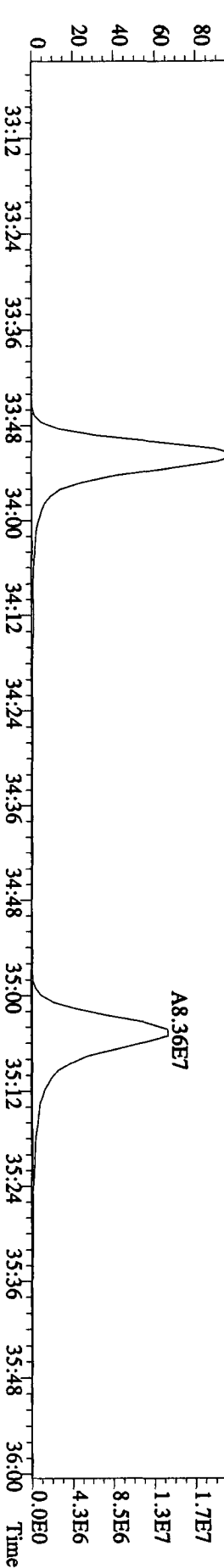
409.7789 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17572.0,1.00%,F,T) 100%



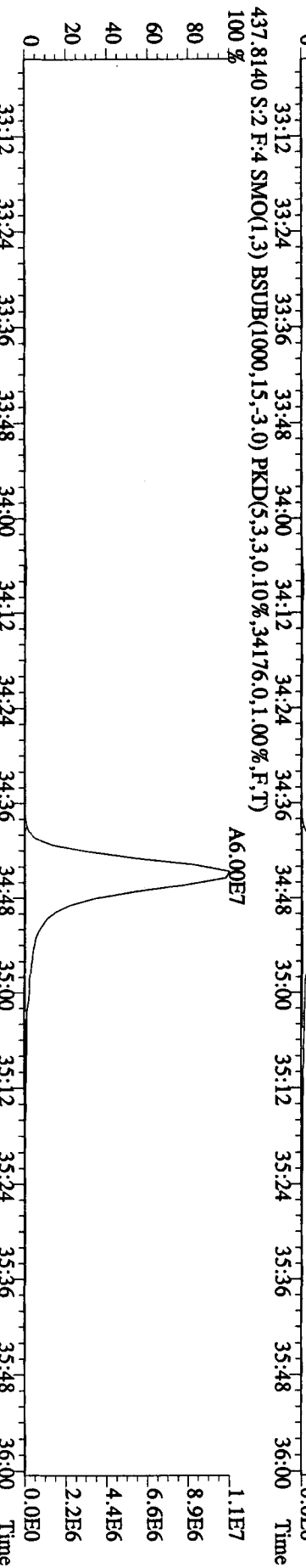
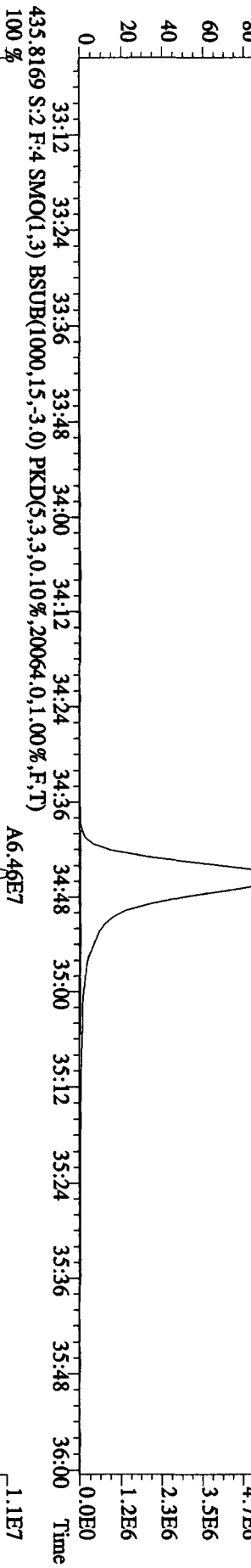
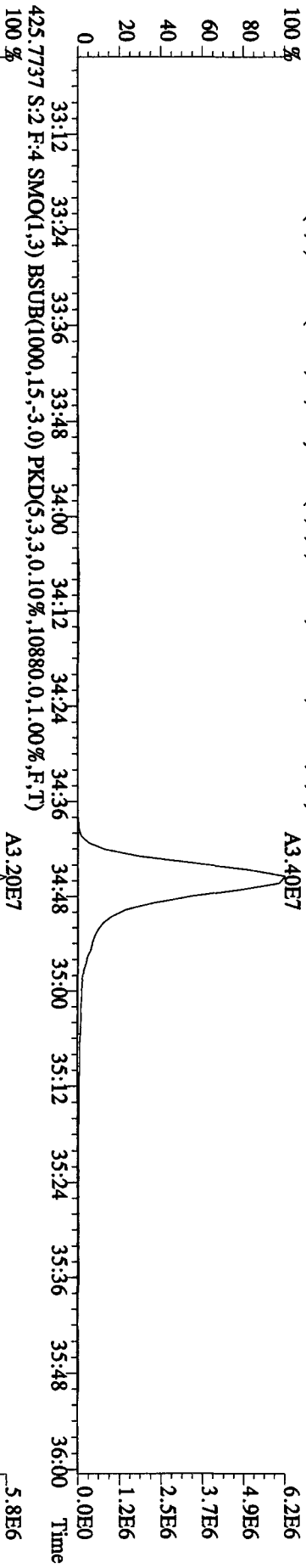
417.8253 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34532.0,1.00%,F,T) 100%



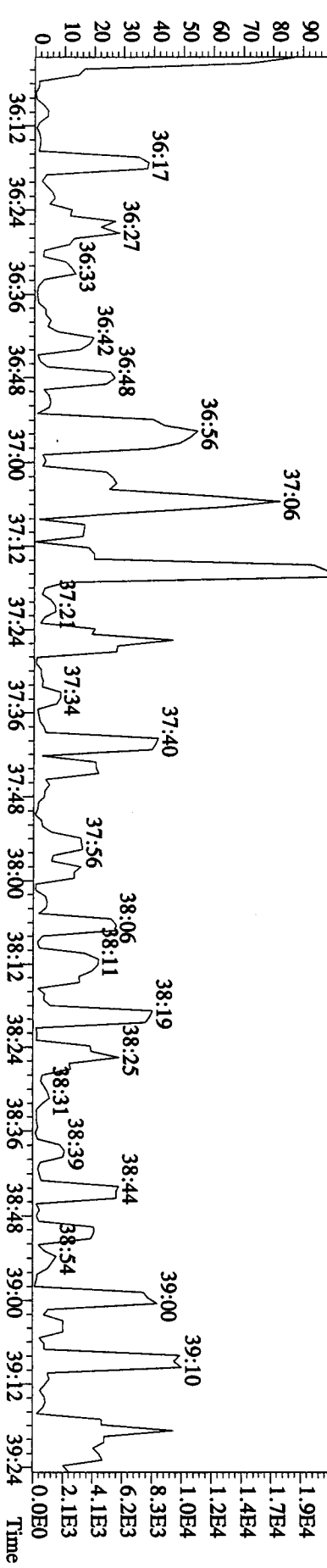
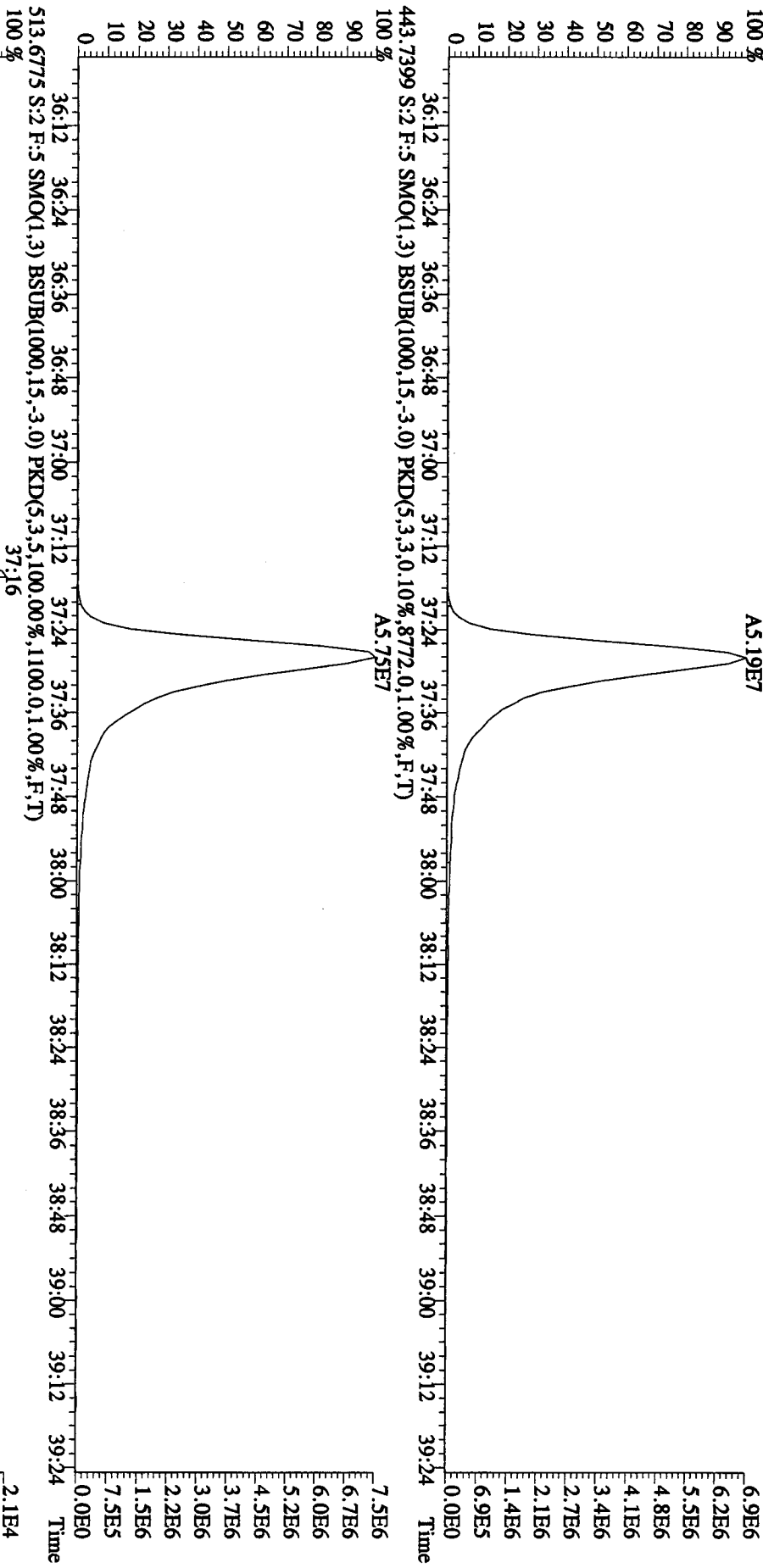
419.8220 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60228.0,1.00%,F,T) 100%



File: 26AP10AID5 #1-210 Acq: 26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text: ST0426B : CS3 10DXN111 Exp: DIOXIN
423.7766 S: 2 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12100,0.1,0.00%,F,T)
100%



File: 26AP10AID5 #1-244 Acq: 26-APR-2010 19:26:39 GC EI + Voltage SIR 70SE
 Sample#2 Text: ST0426B :CS3 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



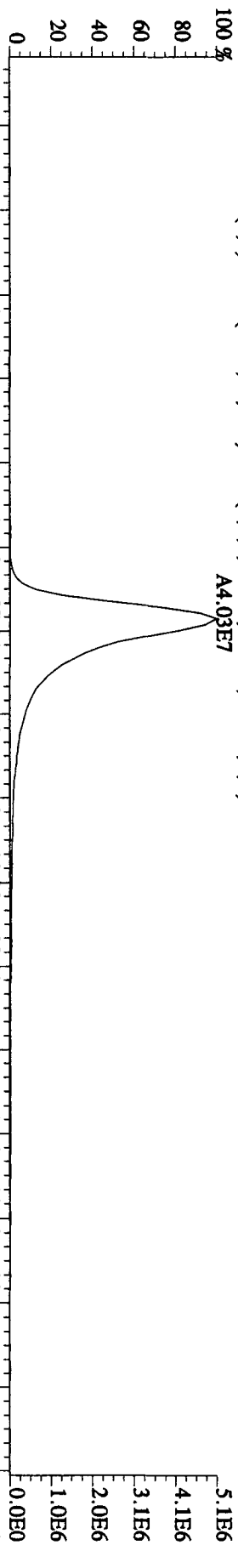
File:26AP10A1D5 #1-244 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST0426B :CS3 10DXN111

Exp:DIOXIN

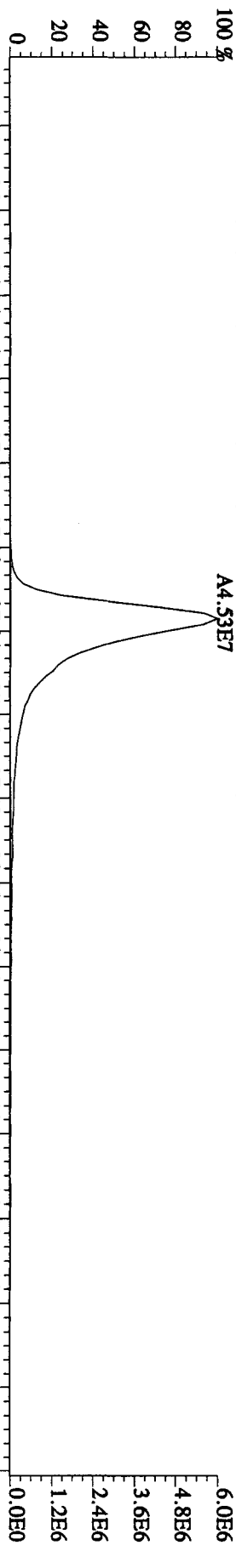
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,.5596,0.1,00%,F,T)

A4.03E7



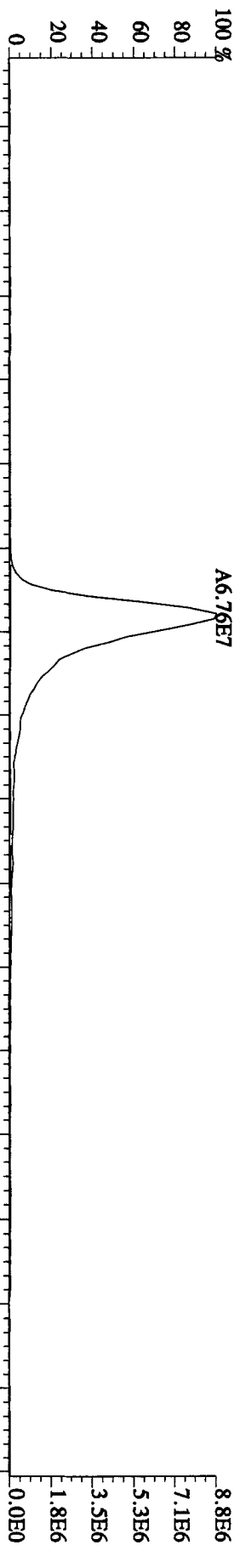
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,.7028,0.1,00%,F,T)

A4.53E7



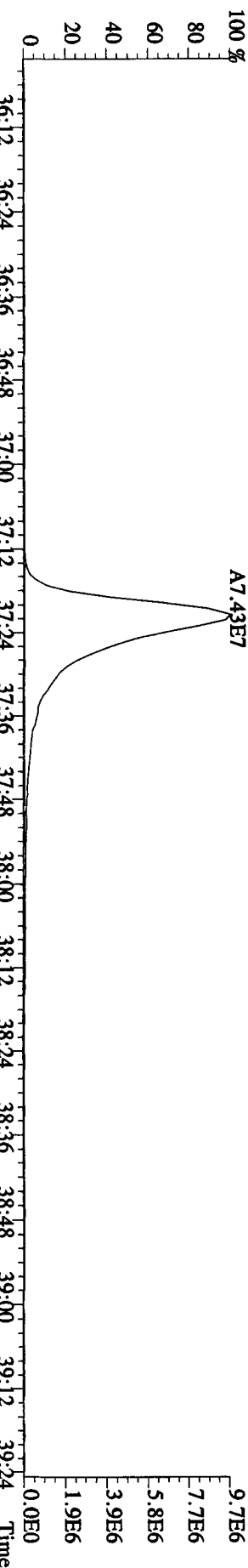
469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,.31876,0.1,00%,F,T)

A6.76E7

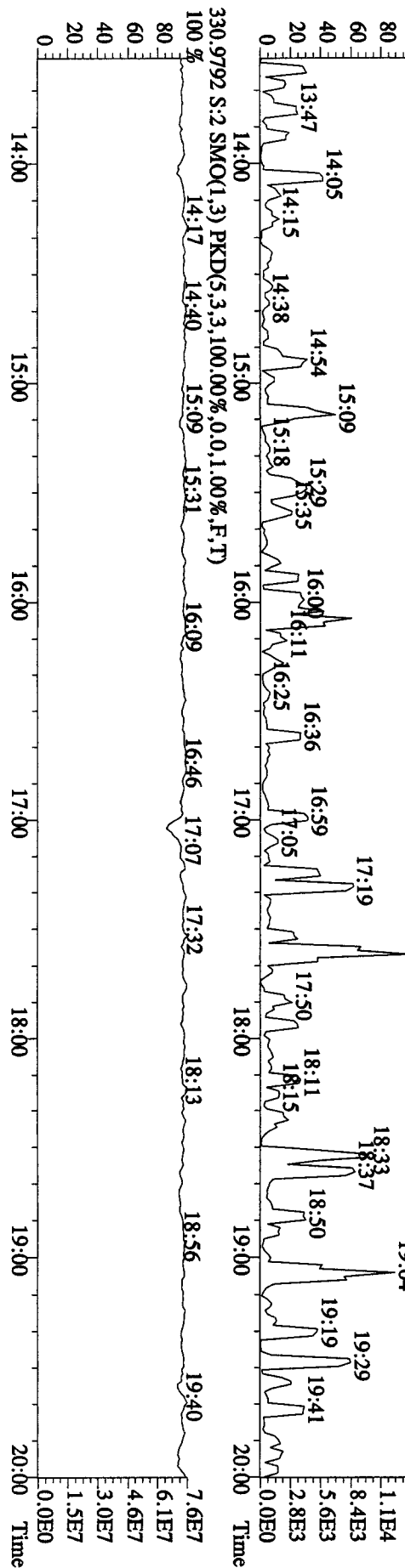
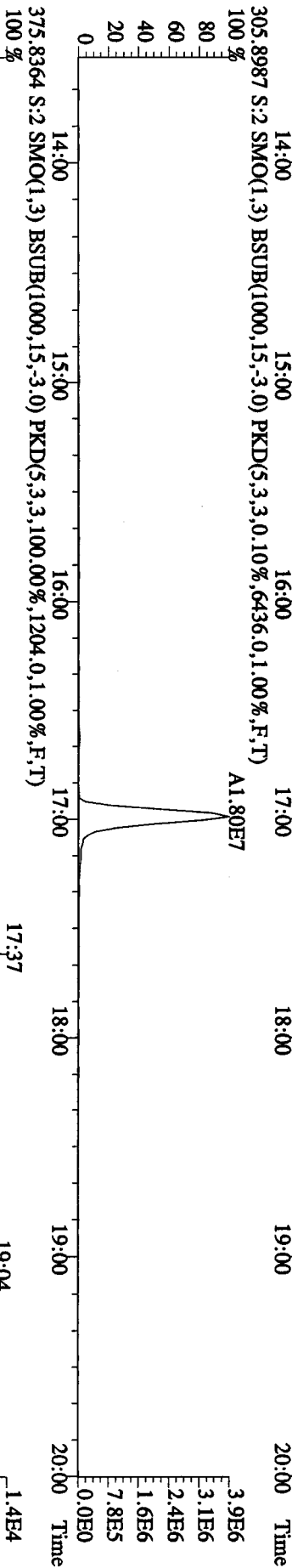
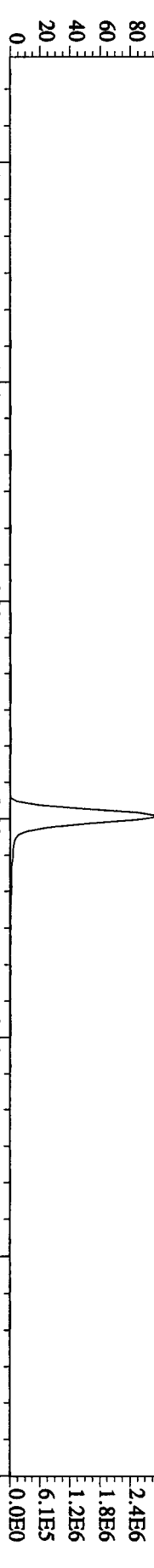
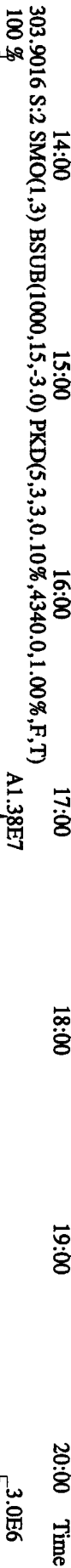
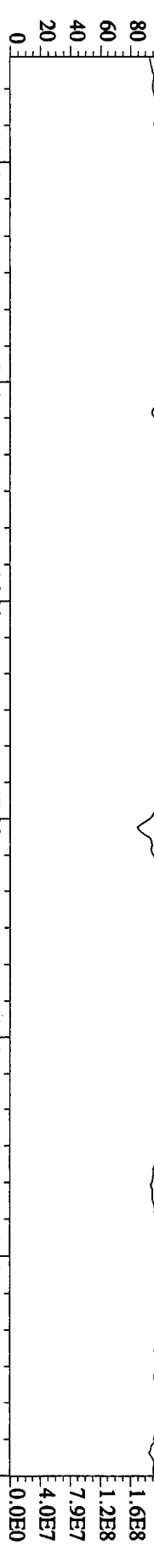


471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,.33752,0.1,00%,F,T)

A7.43E7



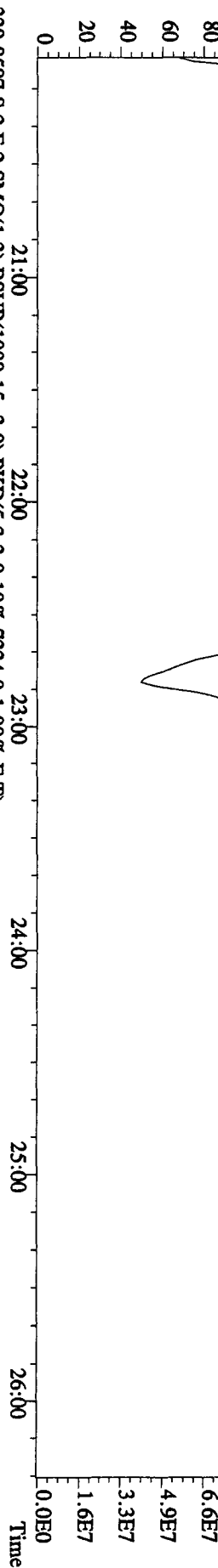
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 13:47 14:09 14:29 14:55 15:28 16:11 16:39 17:20 17:48 18:11 18:57 19:40



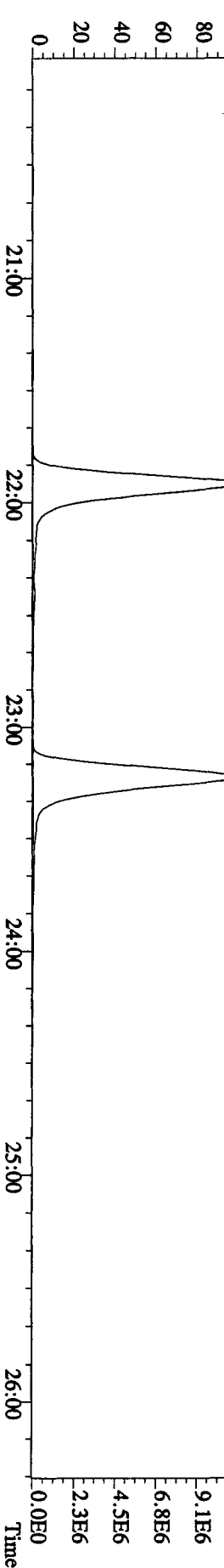
File:26API0A1ID5 #1-445 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE

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

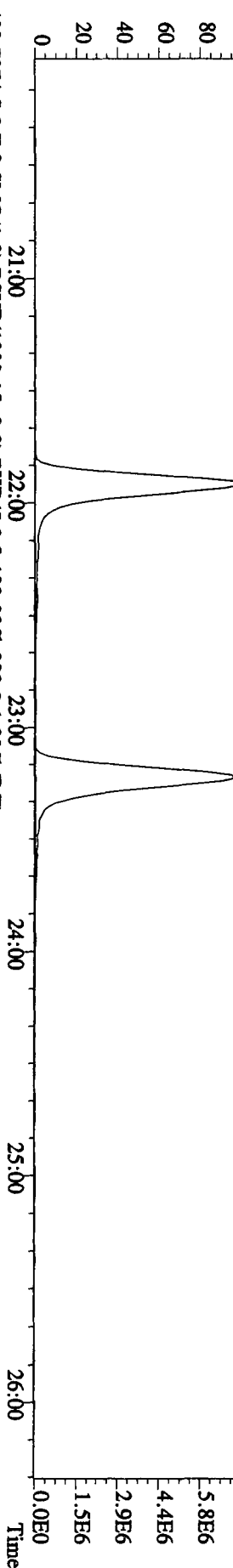
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00% 0.0,1.00%,F,T) 20:29 20:58 21:19 21:40 22:09 22:34 22:59 23:27 23:58 24:36 25:16 25:43 26:07 8.2E7



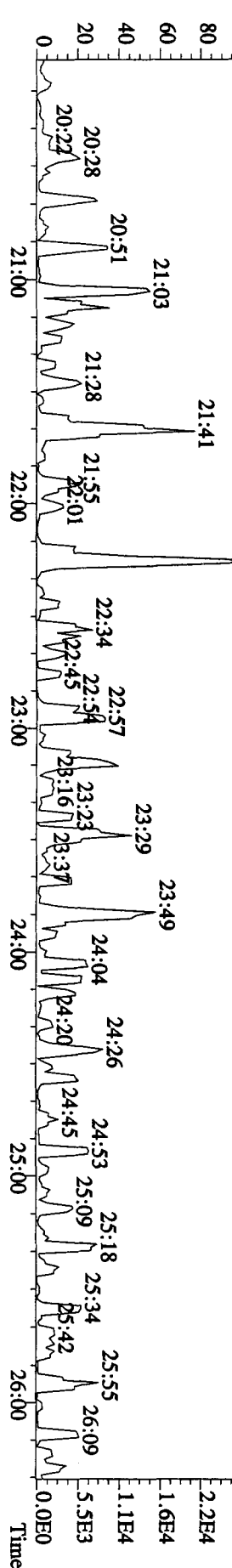
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T) 21:00 22:00 23:00 24:00 25:00 26:00 1.1E7



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) 21:00 22:00 23:00 24:00 25:00 26:00 7.3E6

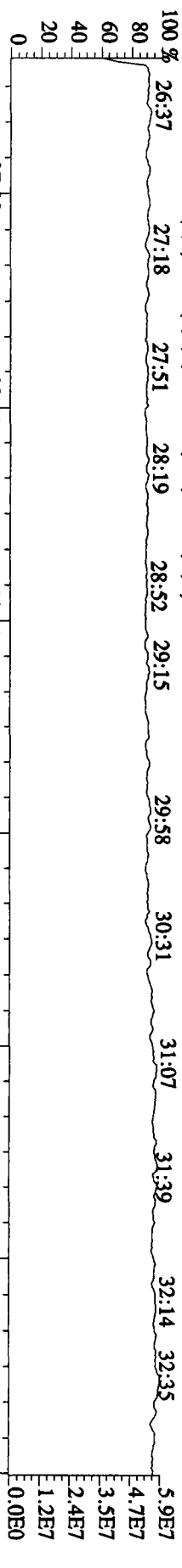


409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,988.0,1.00%,F,T) 21:00 22:00 23:00 24:00 25:00 26:00 2.7E4

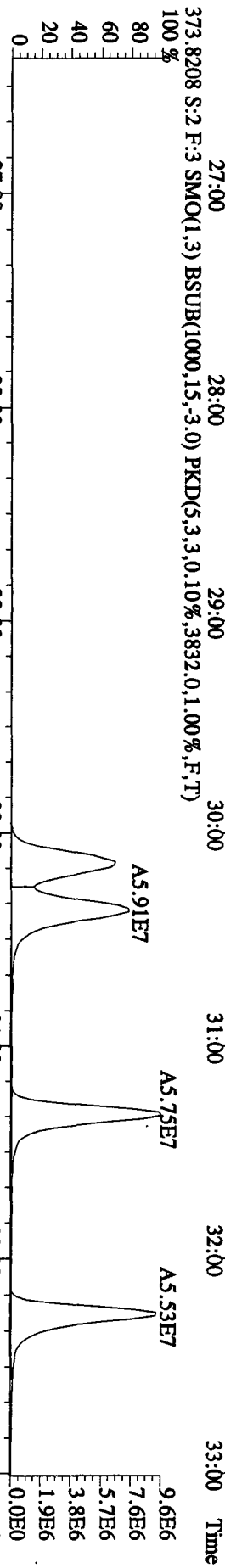


Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

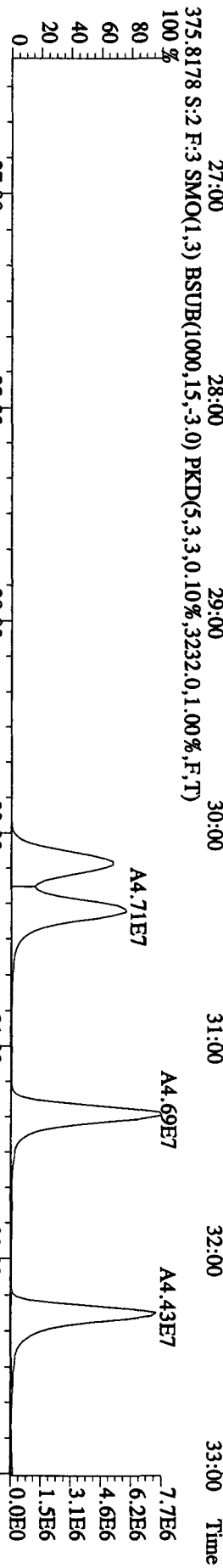
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



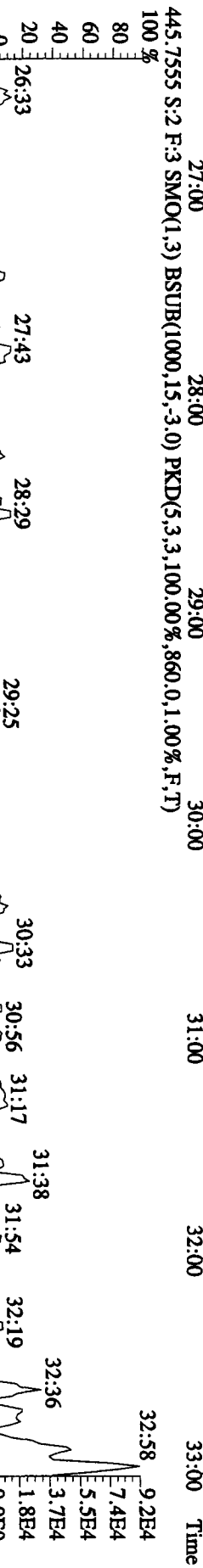
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



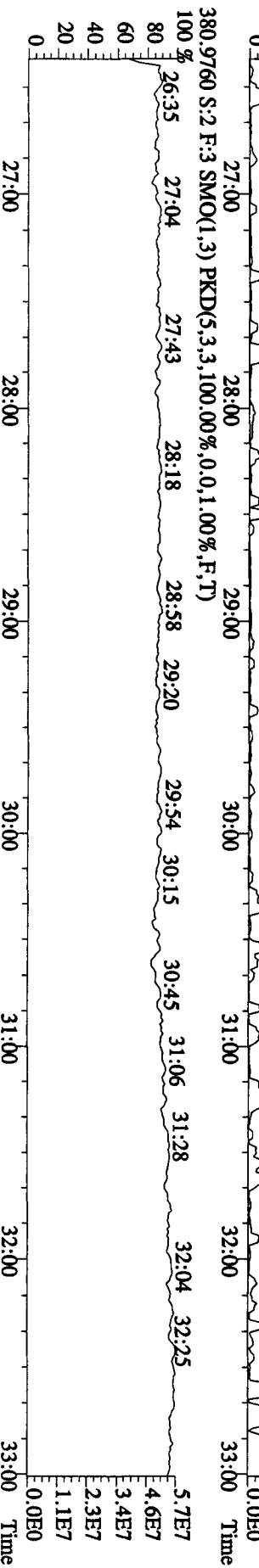
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)

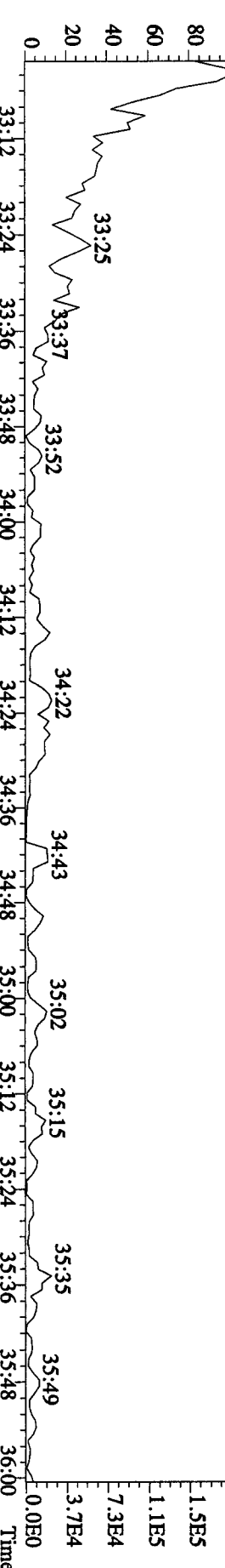
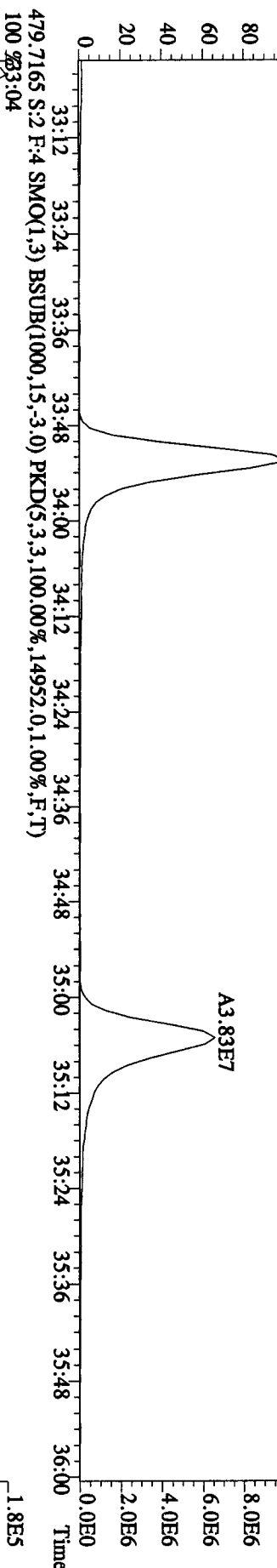
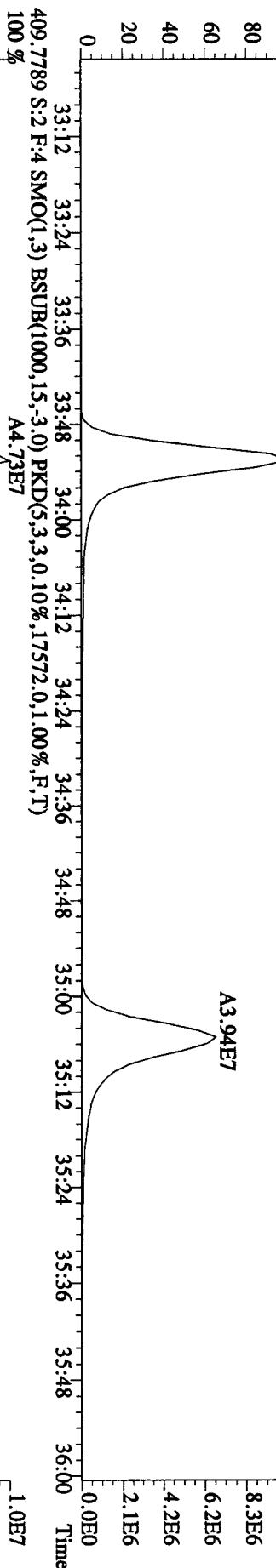
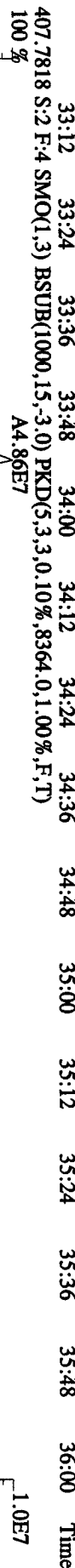
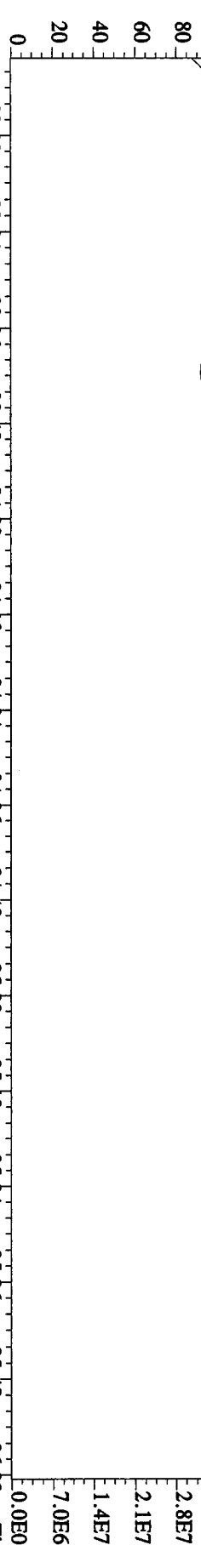


445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,860.0,1.00%,F,T)



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





File:26API010A1D5 #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

3.4E7
3.0E7
2.7E7
2.4E7
2.0E7
1.7E7
1.4E7
1.0E7
6.8E6
3.4E6

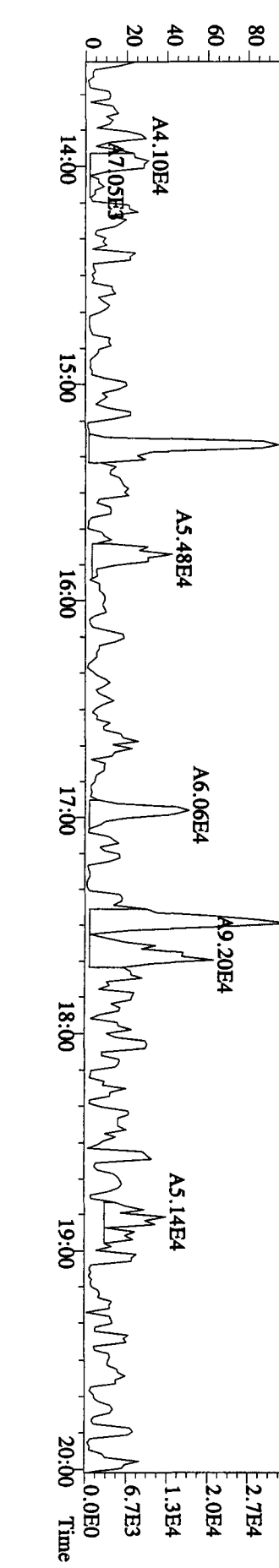
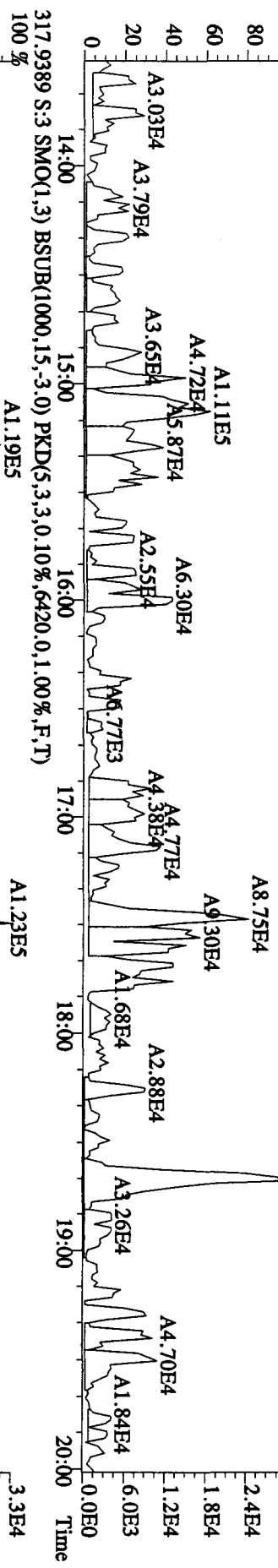
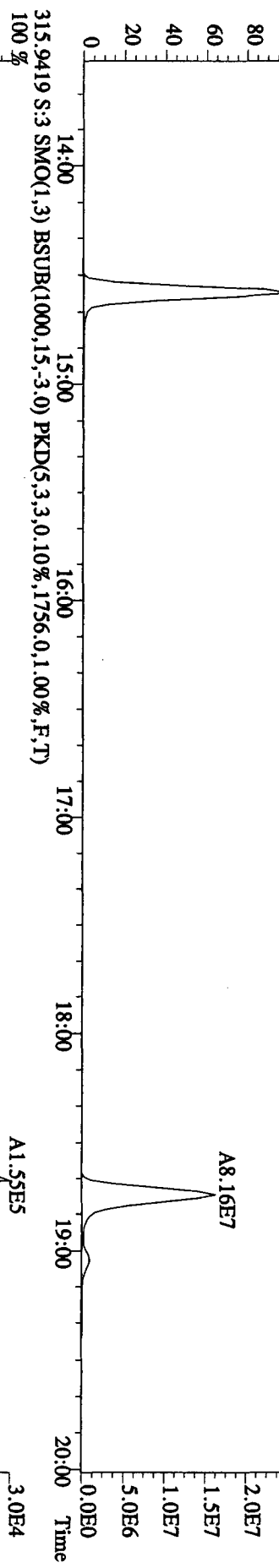
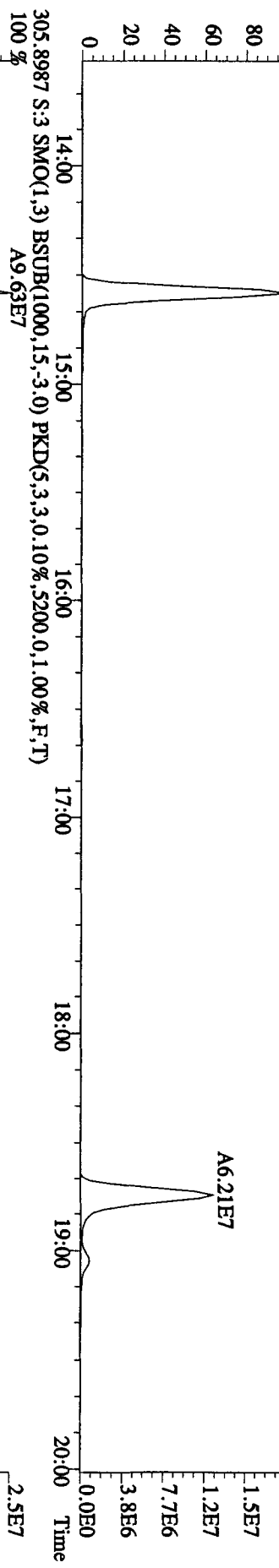
442.9728 S:2 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 % 36:13 36:24 36:38 37:00 37:13 37:36 37:54 38:11 38:36 38:53 39:05

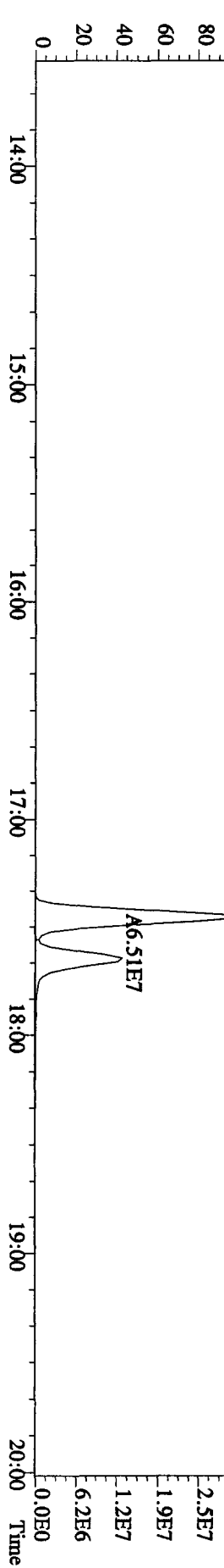
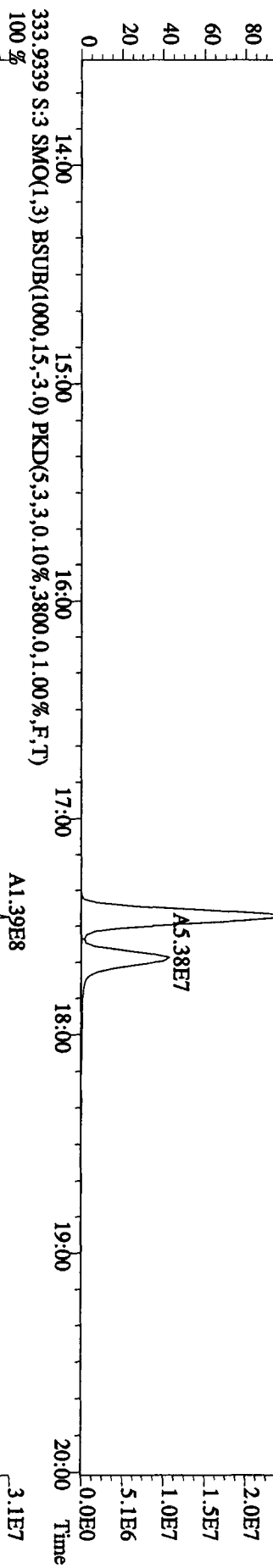
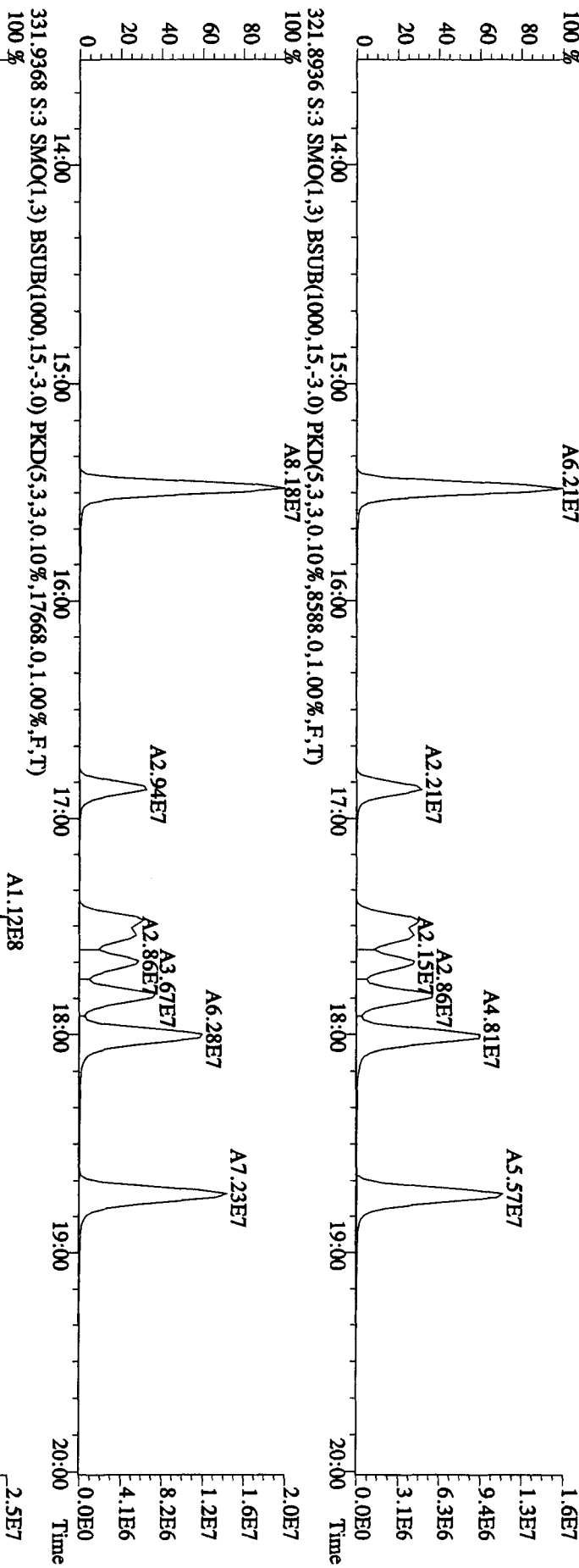
4.1E7
3.7E7
3.3E7
2.9E7
2.5E7
2.0E7
1.6E7
1.2E7
8.2E6
4.1E6

0 10 20 30 40 50 60 70 80 90
36:12 36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24
Time

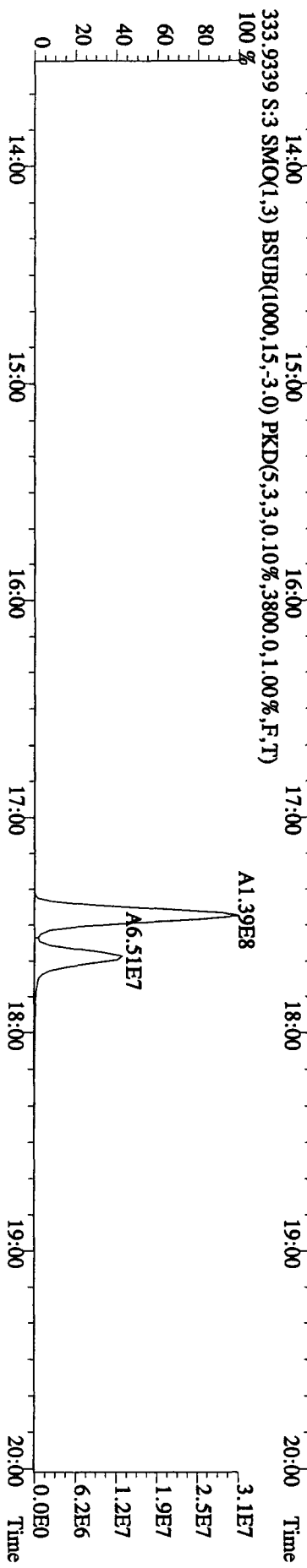
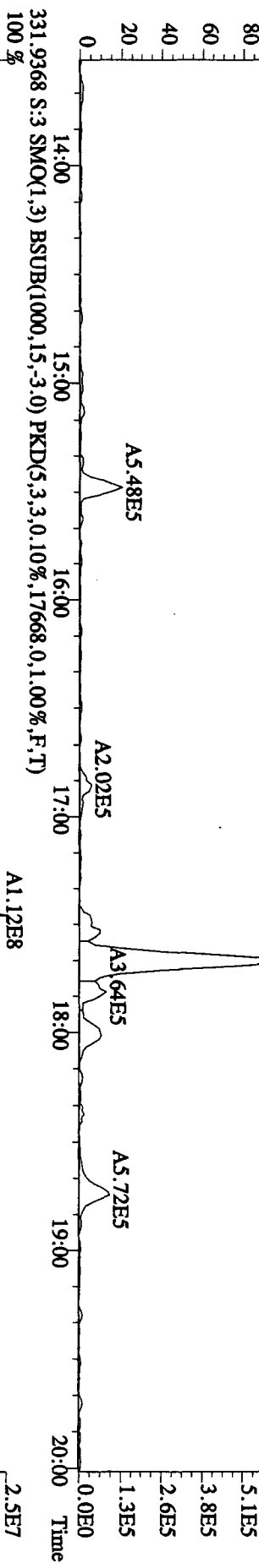
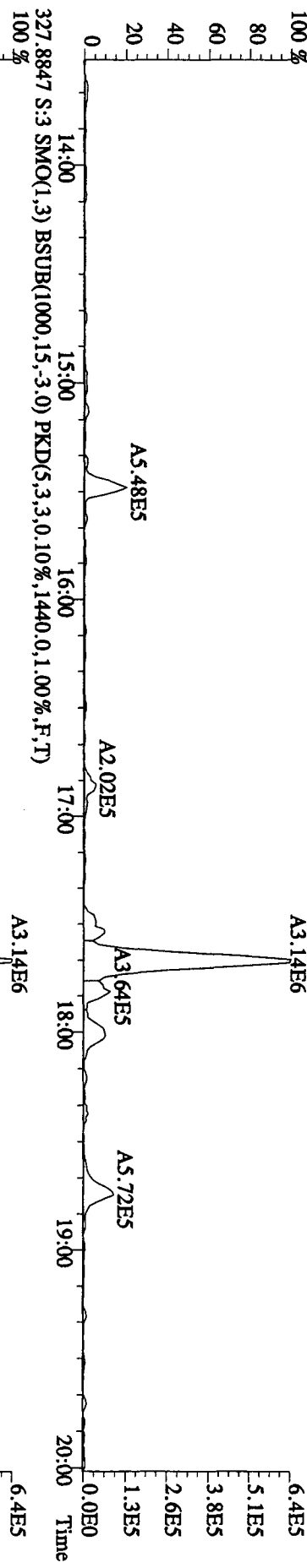
File: 26API0A1D5 #1-385 Acq: 26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text: CP0426A :DB-5 CPISM 3732-05 Exp: DIOXIN
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6252,0,1,00%,F,T)
 100%



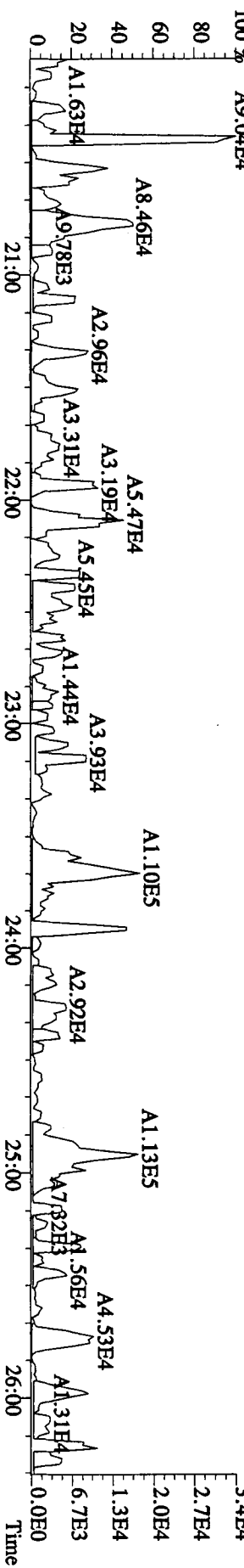
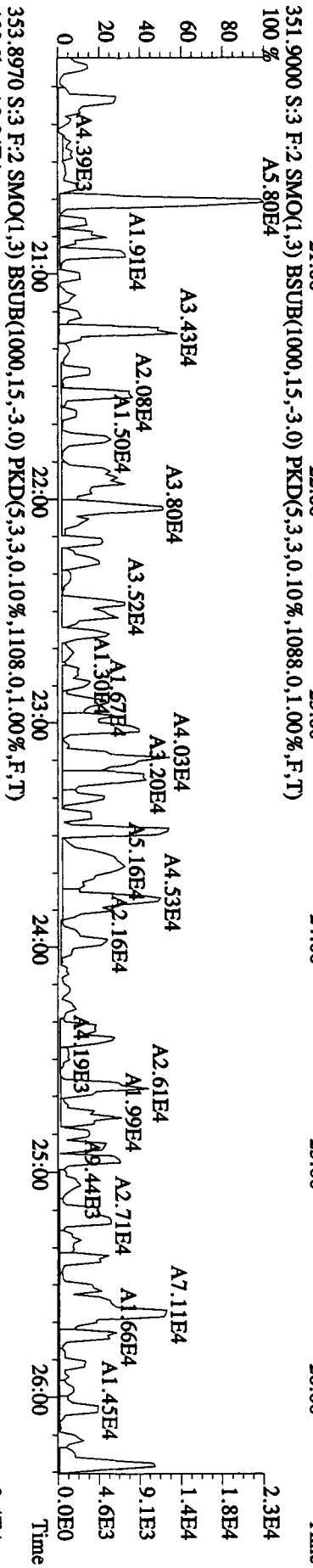
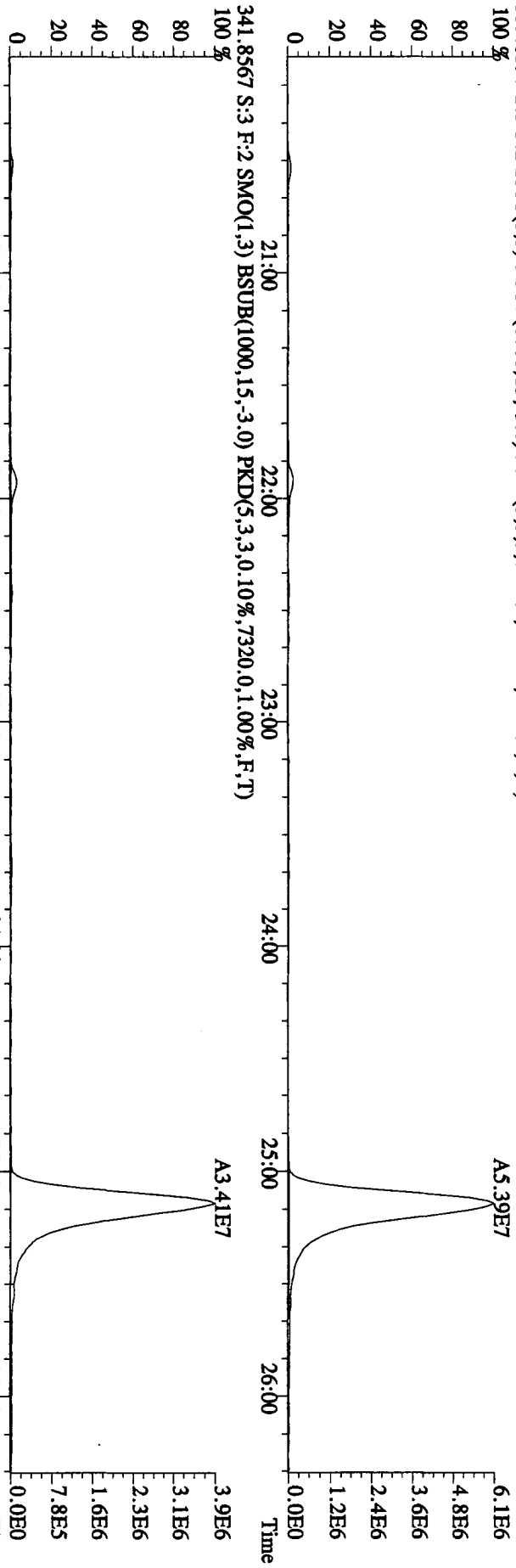
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 C/PSM 3732-05 Exp:DIOXIN
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10976,0,1,00%,F,T)
 100%



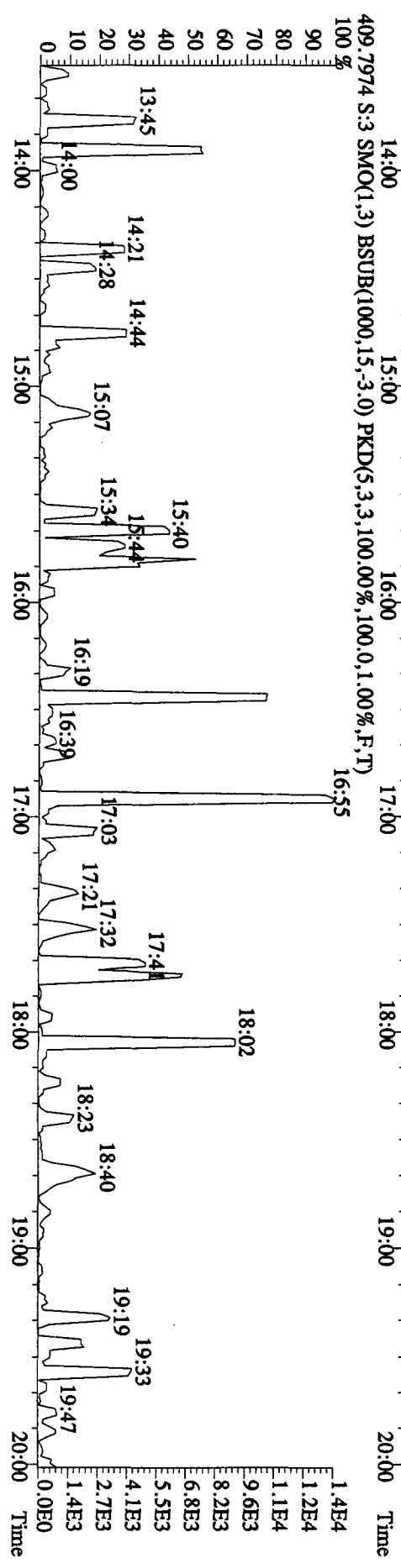
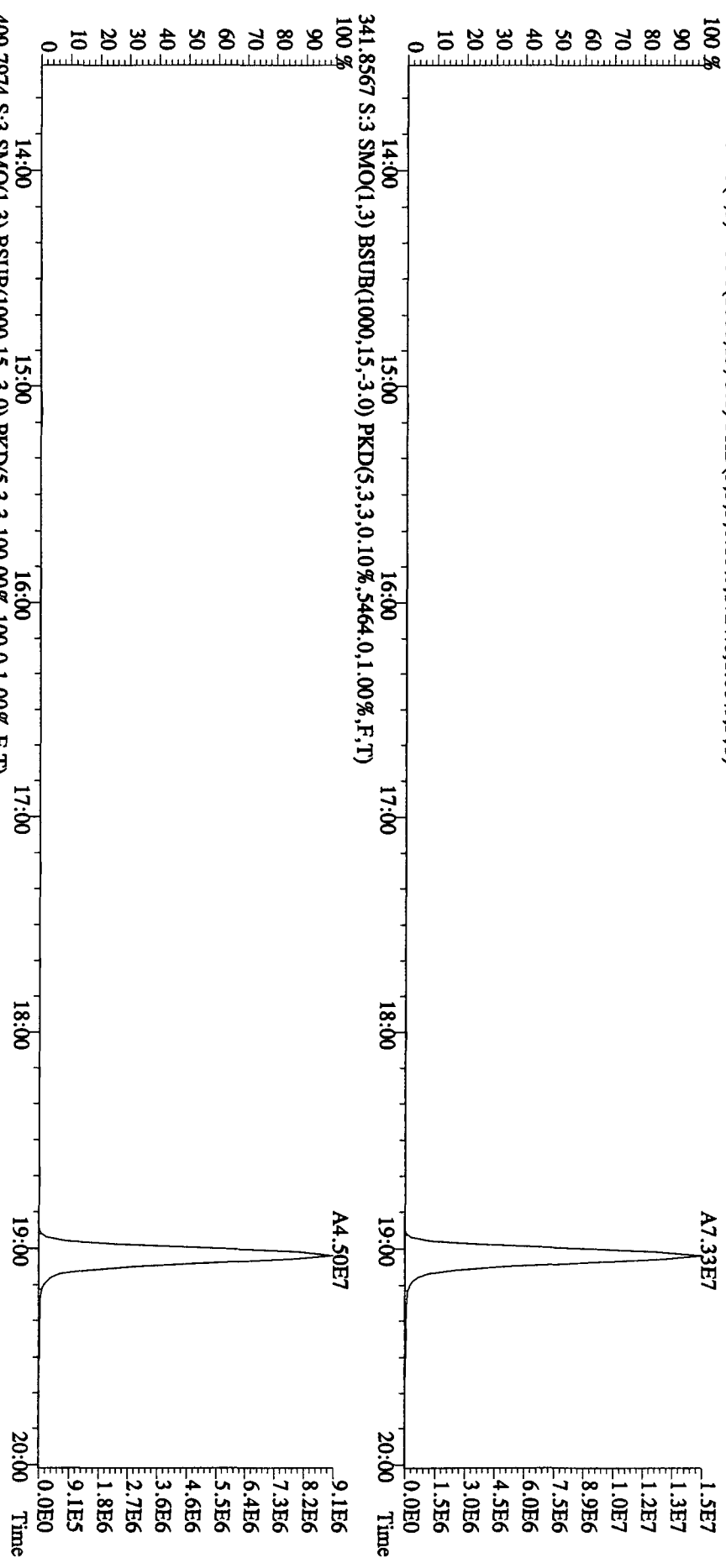
File:26API0A1IDS #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPM 3732-05 Exp:DIOXIN
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1440,0.1,0.00%,F,T)
 100 %



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
 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 %



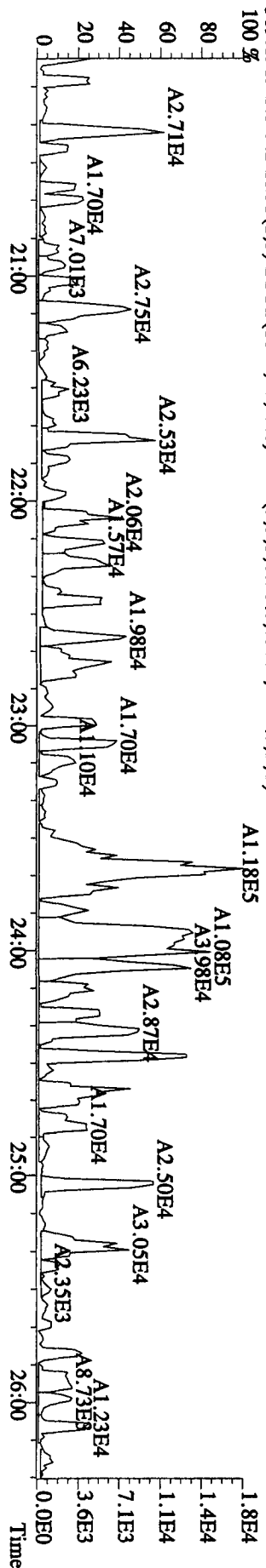
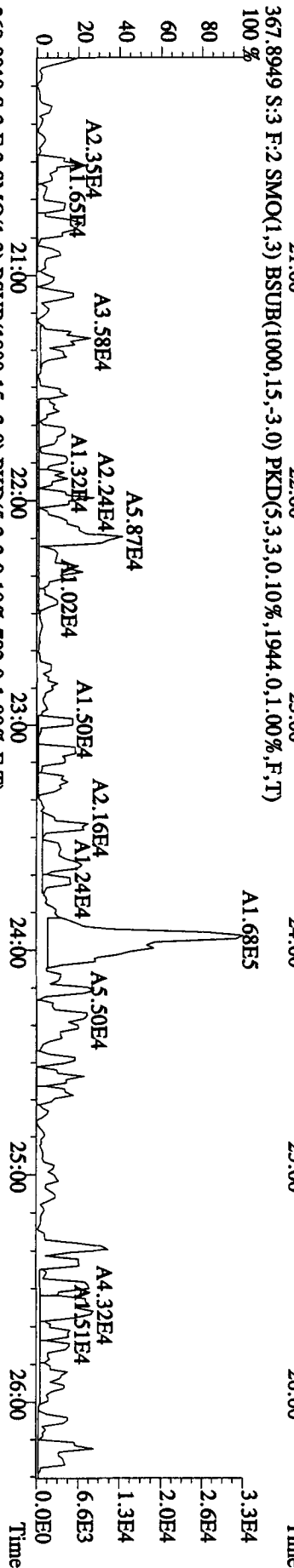
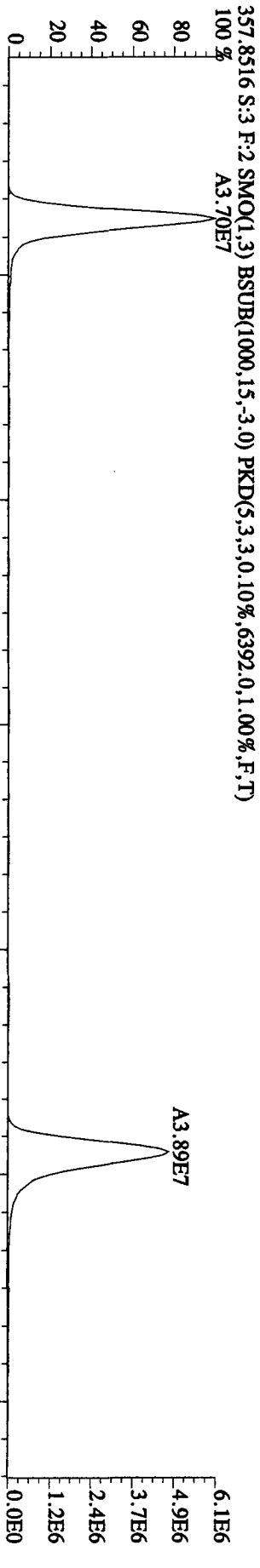
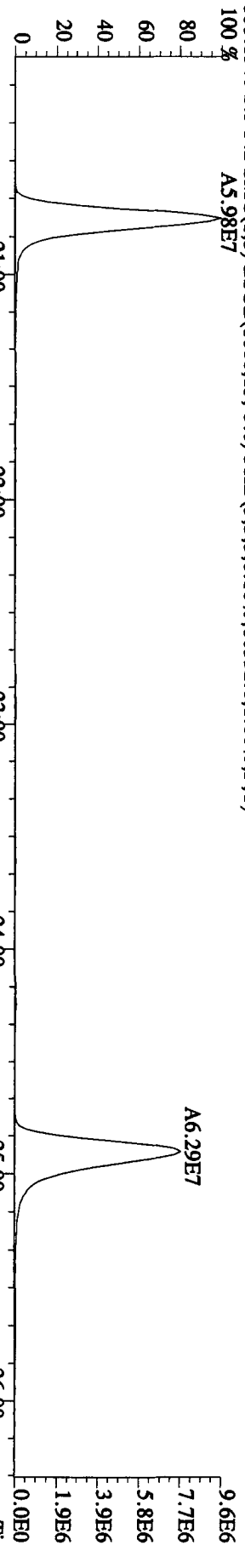
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1724.0,1.00%,F,T)



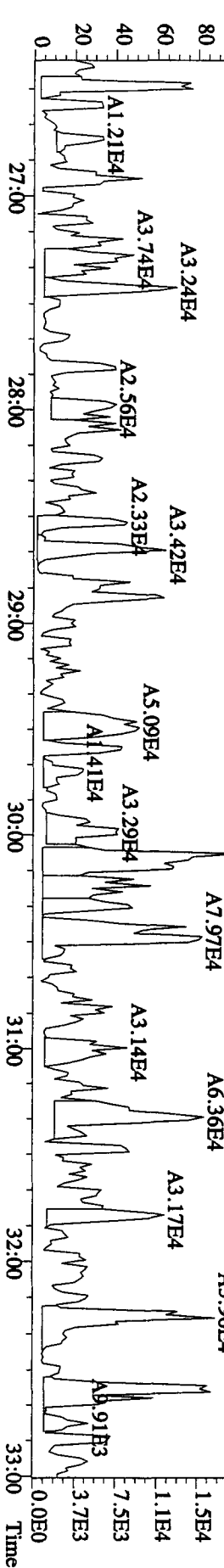
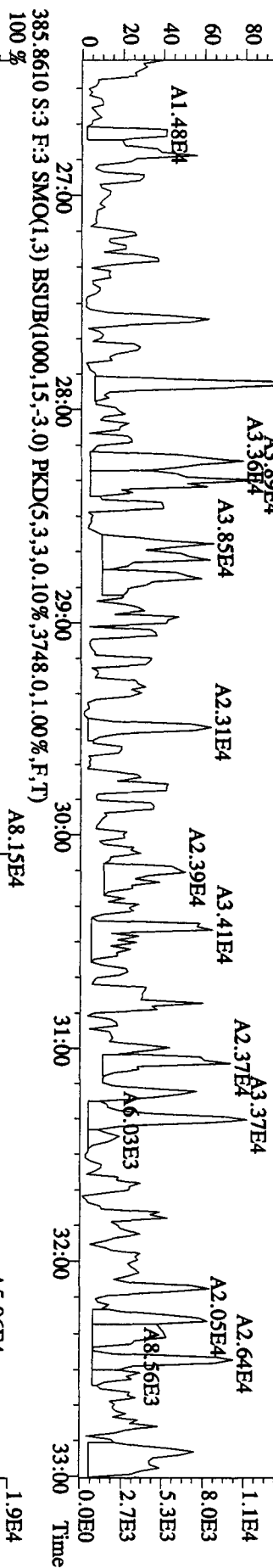
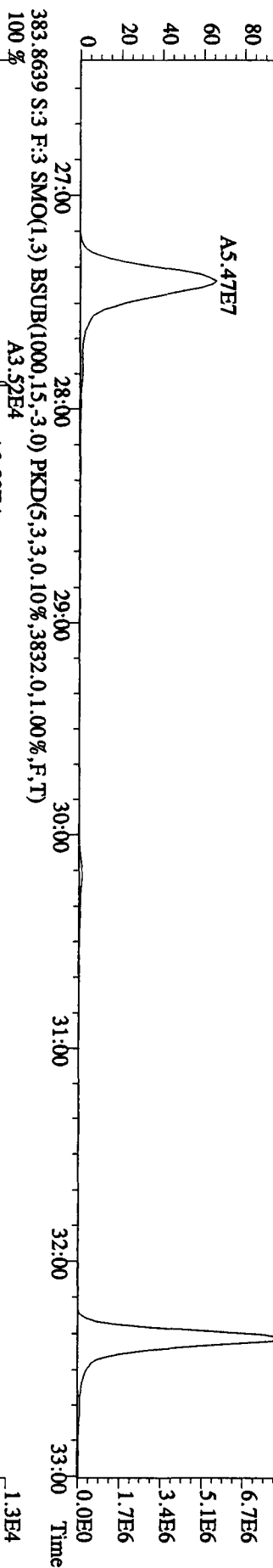
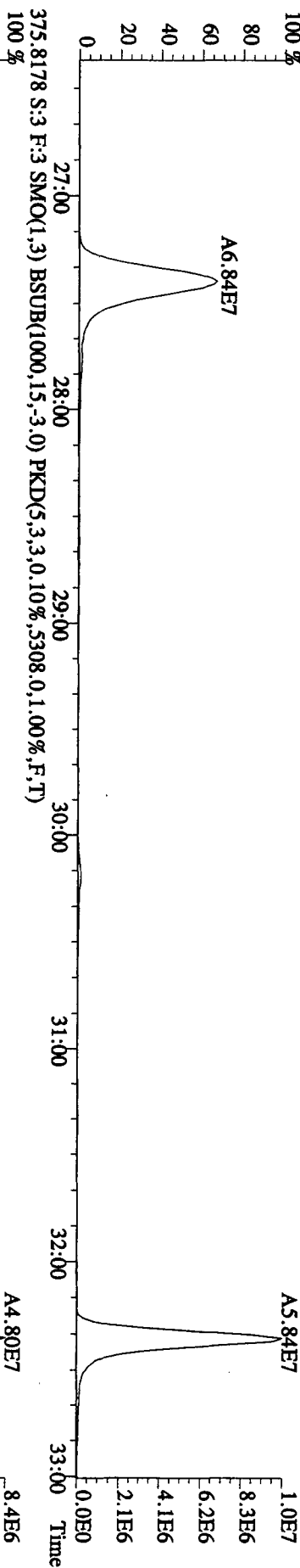
File:26AP10AID5 #1-444 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE

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

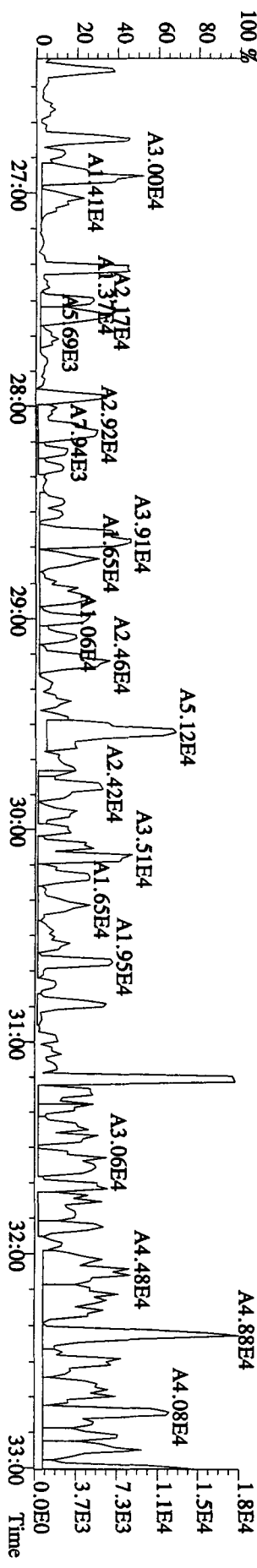
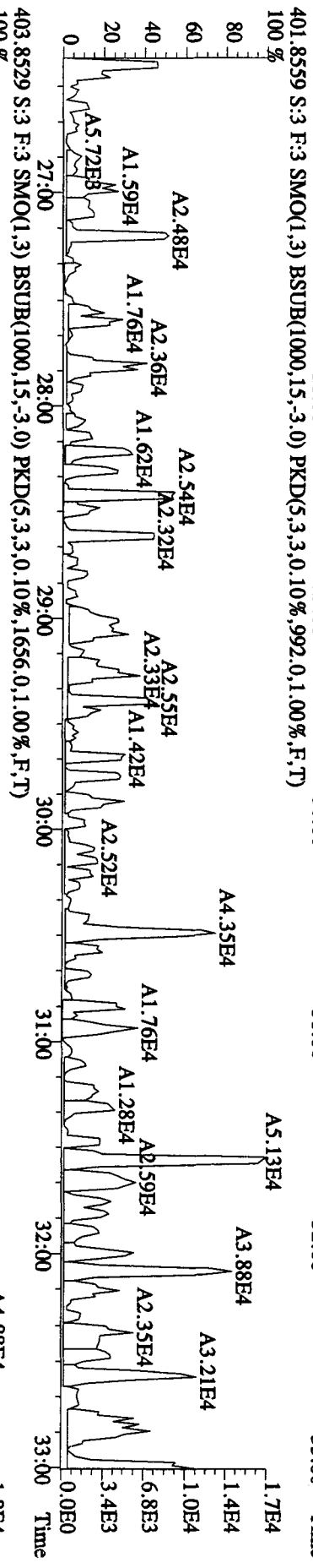
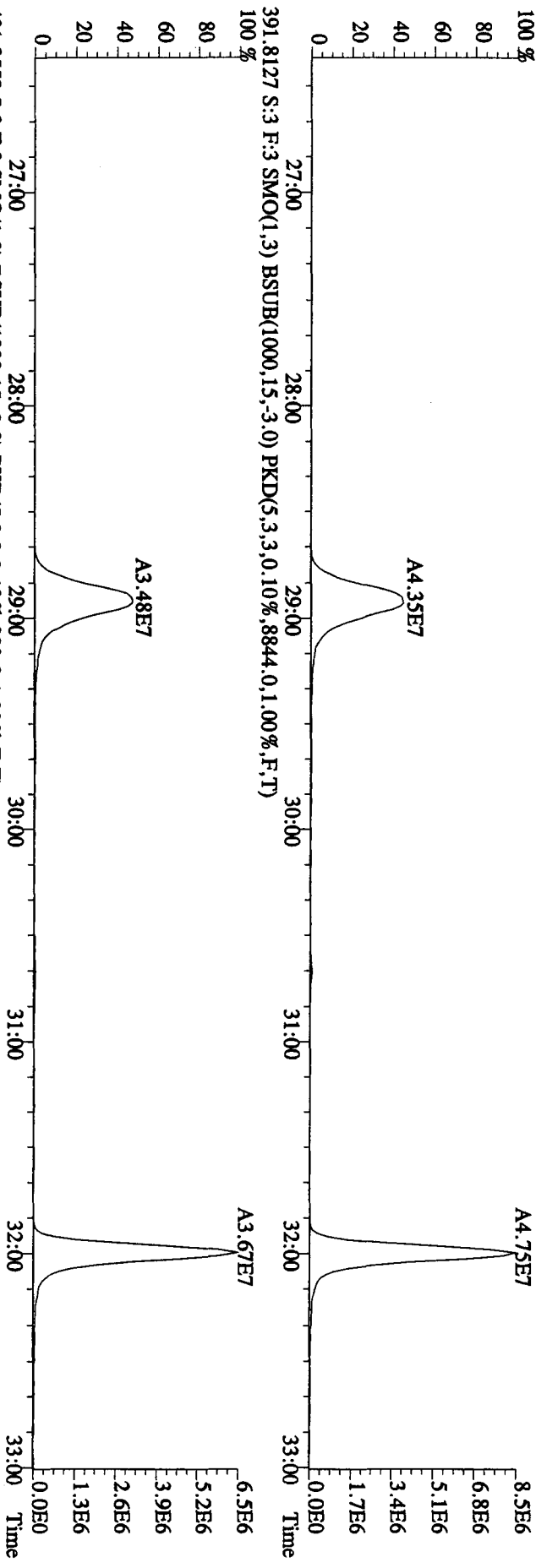
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10352,0,1.00%,F,T)



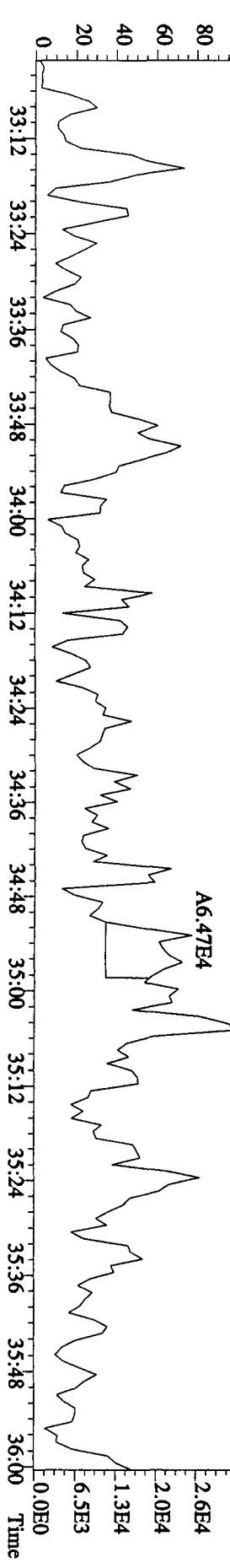
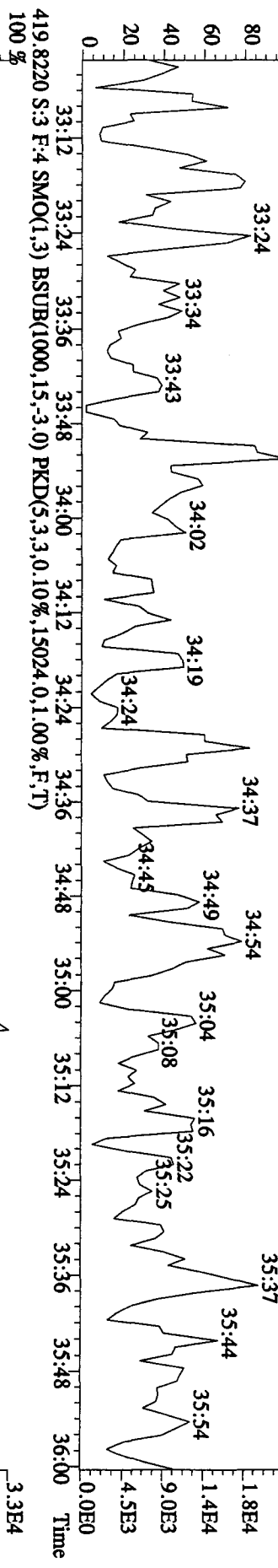
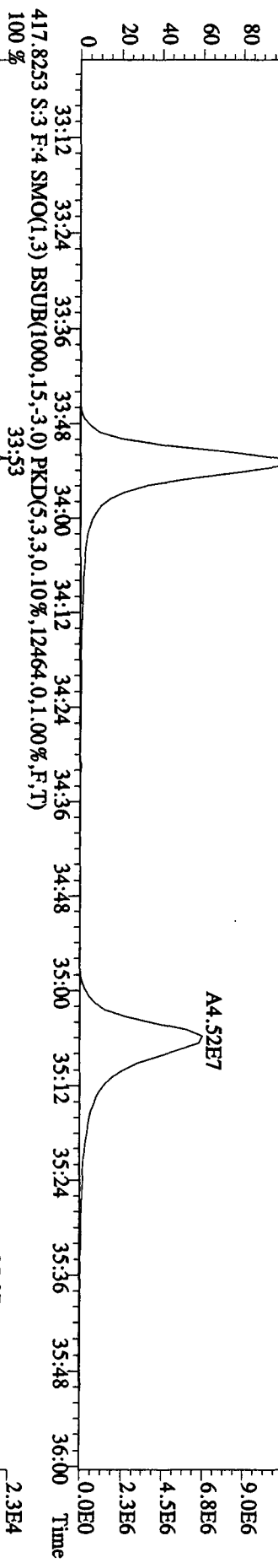
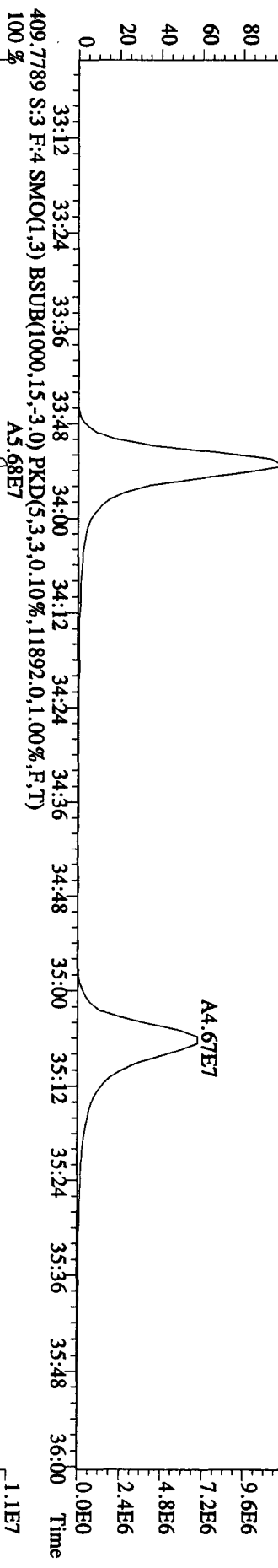
File:26API0A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5308,0,1,00%,F,T)



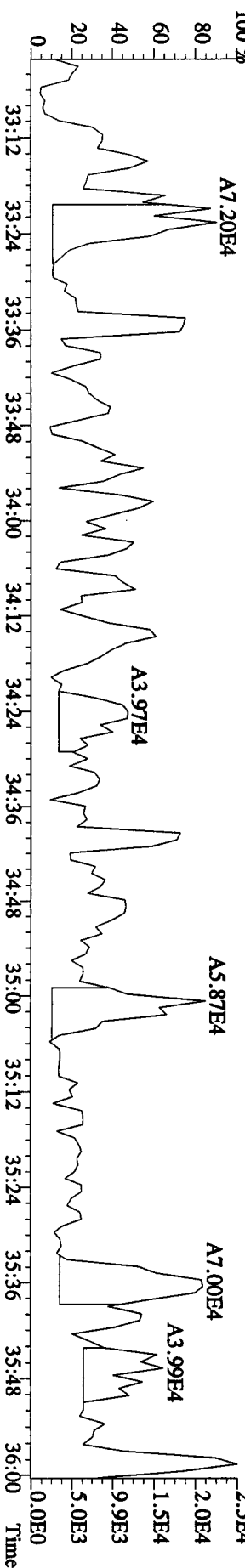
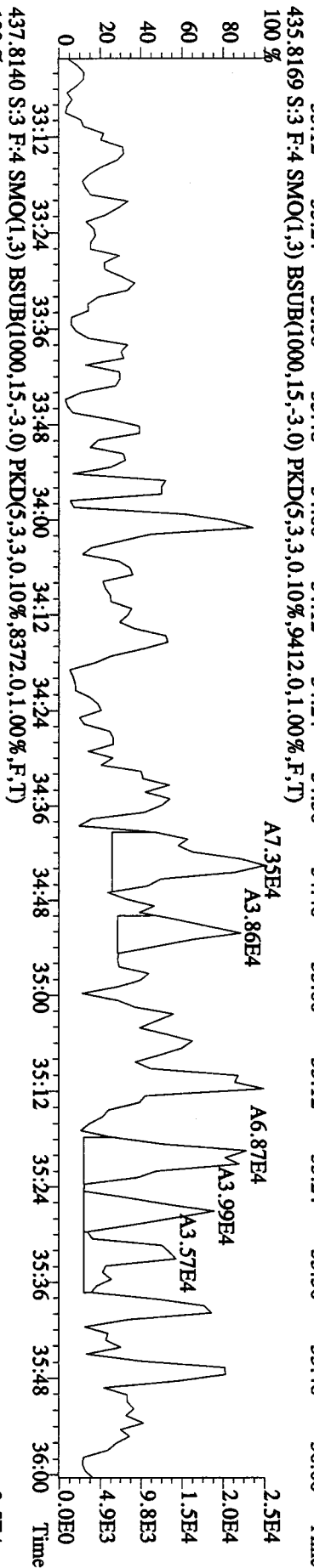
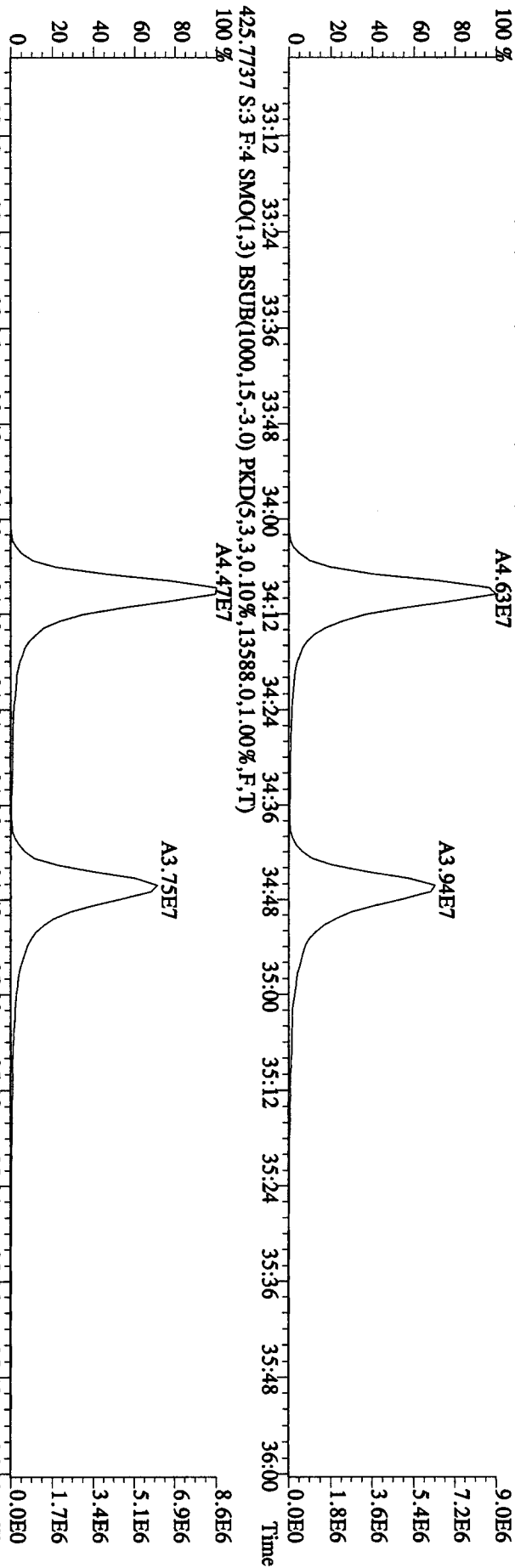
File:26AP10A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 C/PSM 3732-05 Exp:DIOXIN
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4156,0,1.00%,F,T)
 100%



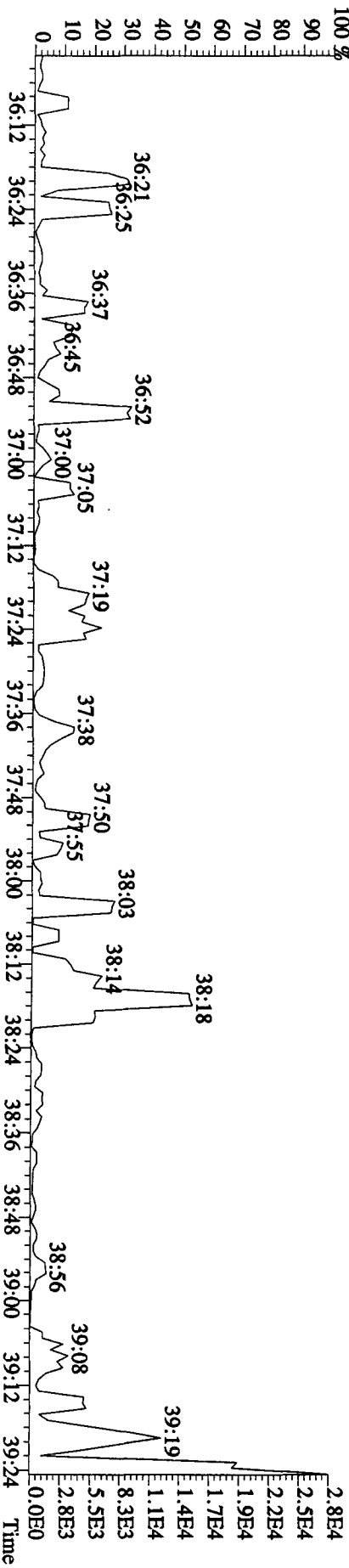
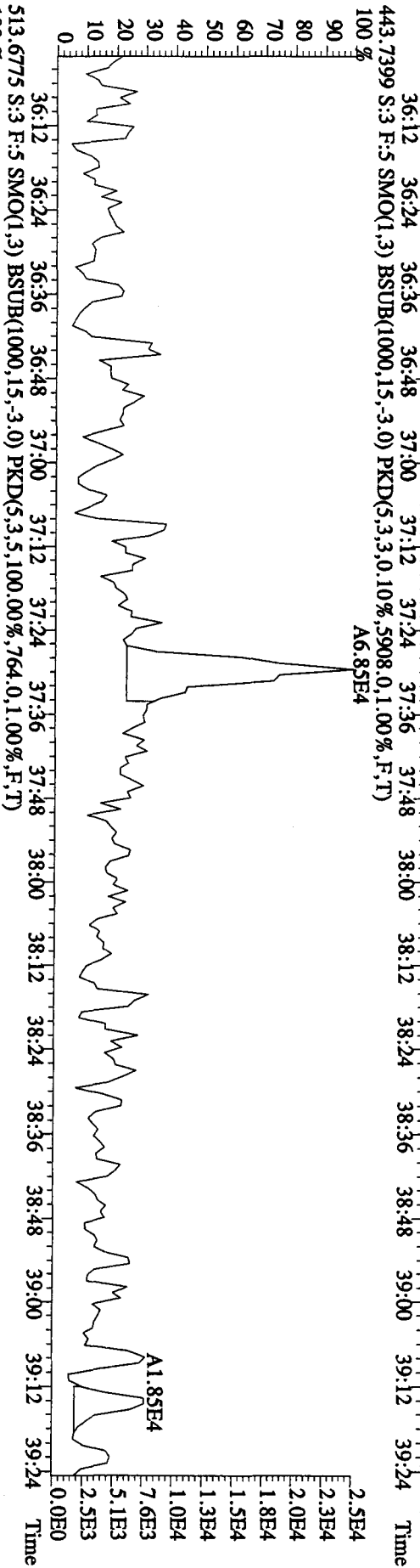
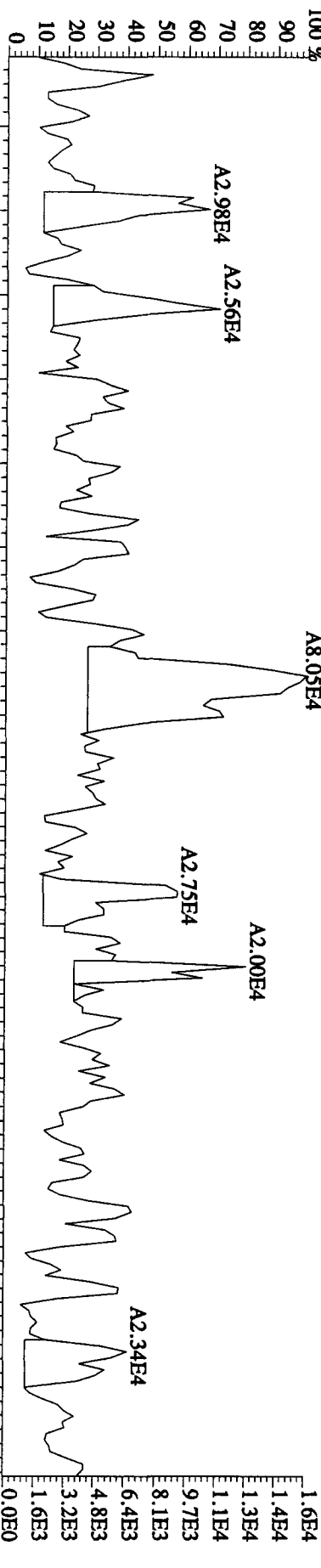
File:26AP10A1D5 #1-210 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,18596,0,1,00%,F,T)
 100%



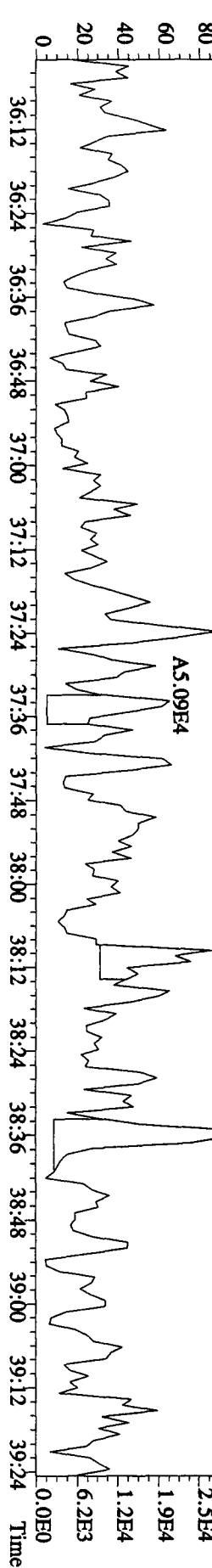
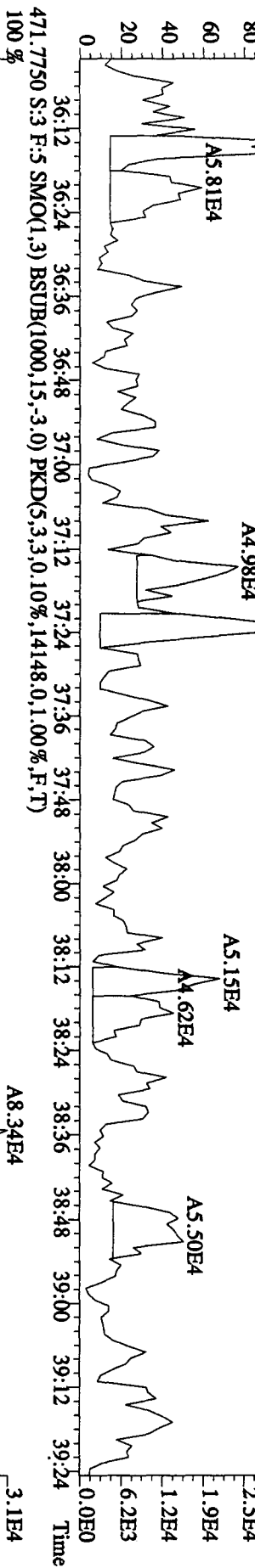
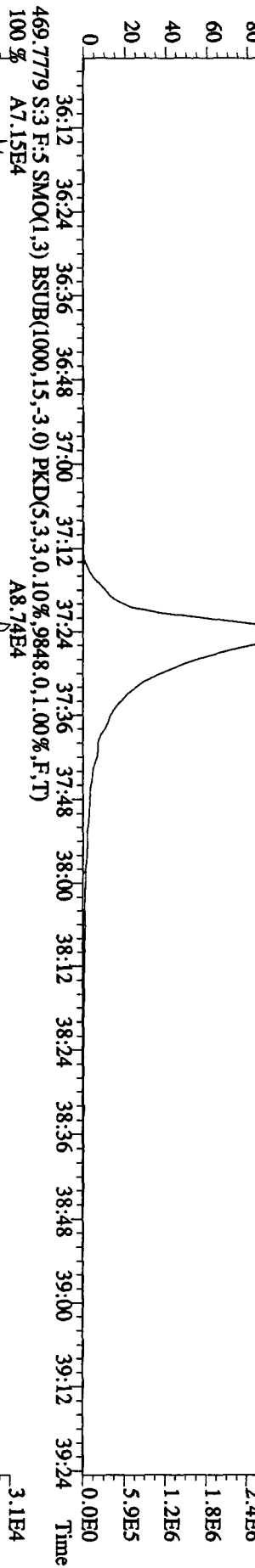
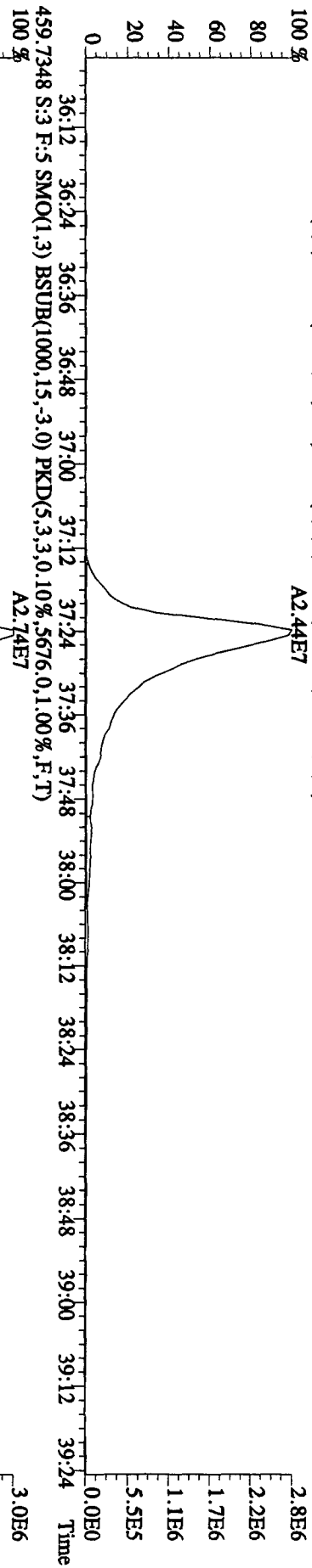
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9152,0,1,00%,F,T) 100%

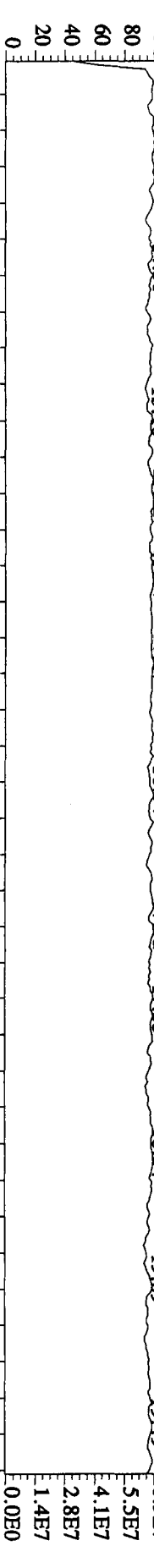
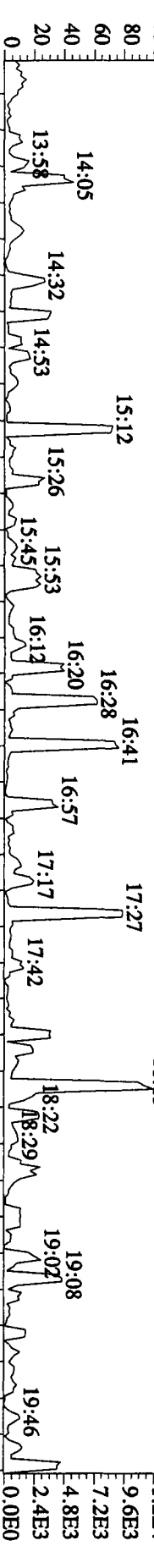
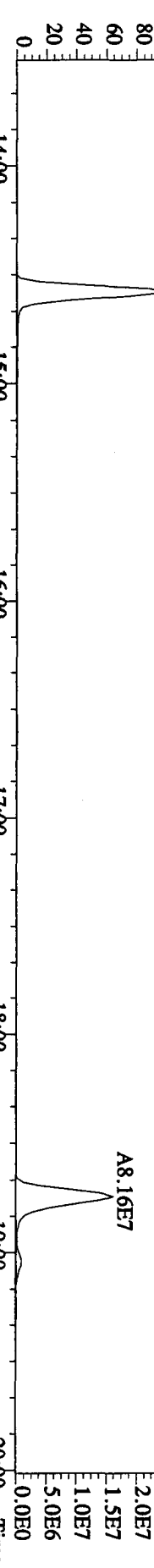
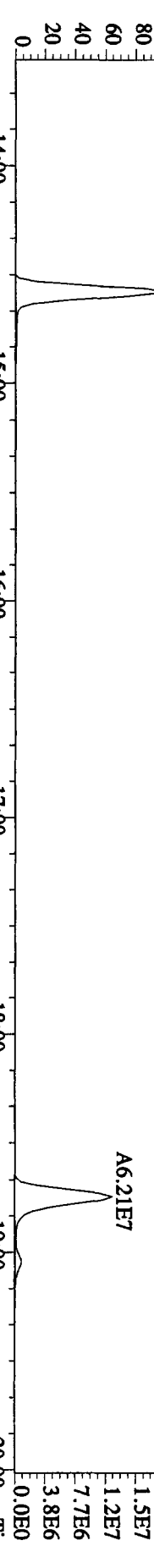
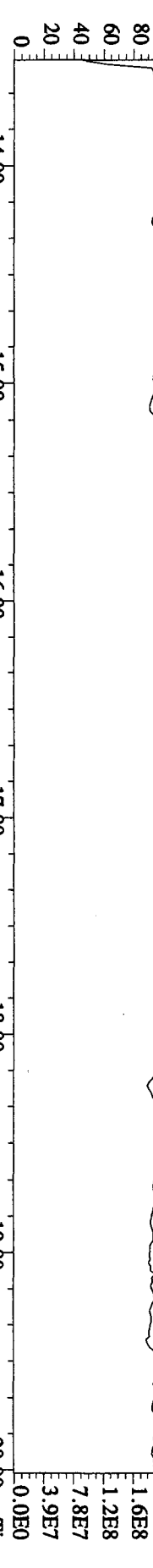


File:26AP10A1D5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 441.7428 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4604.0,1.00%,F,T)



File:26API01A1D5 #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
 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) A2.44E7





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

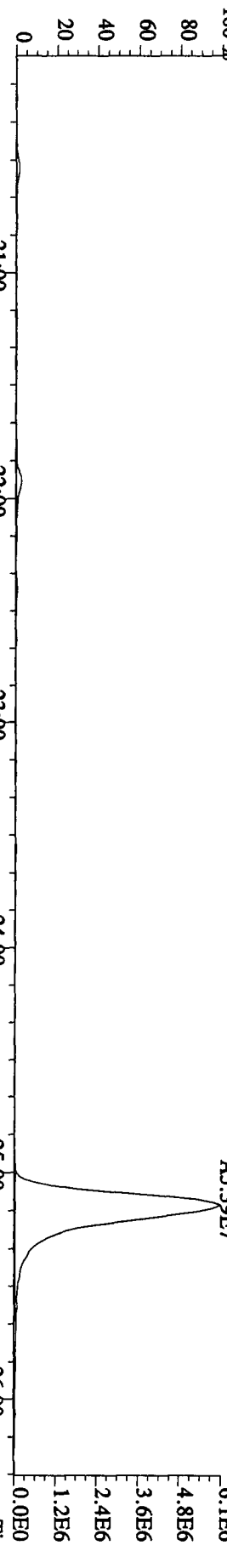
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

342.9792 S:3 F:2 SMO(1.3) PKD(5.3,3.100,00%,0.0,1.00%,F,T)

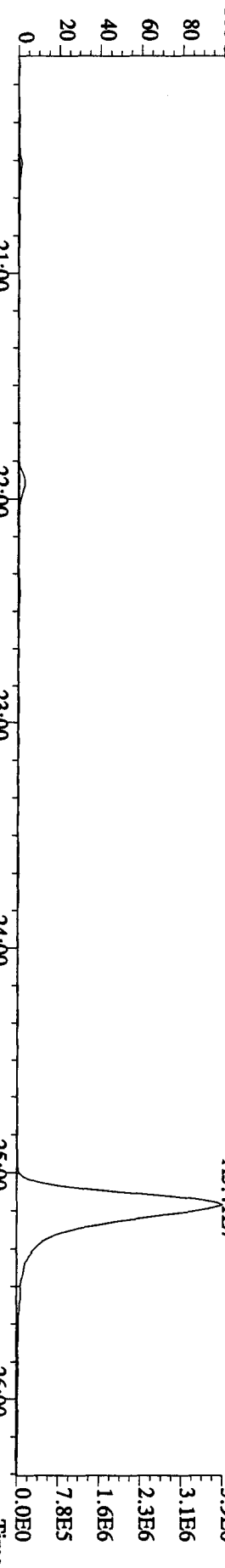
100 % 20:14 20:50 21:26 22:06 22:30



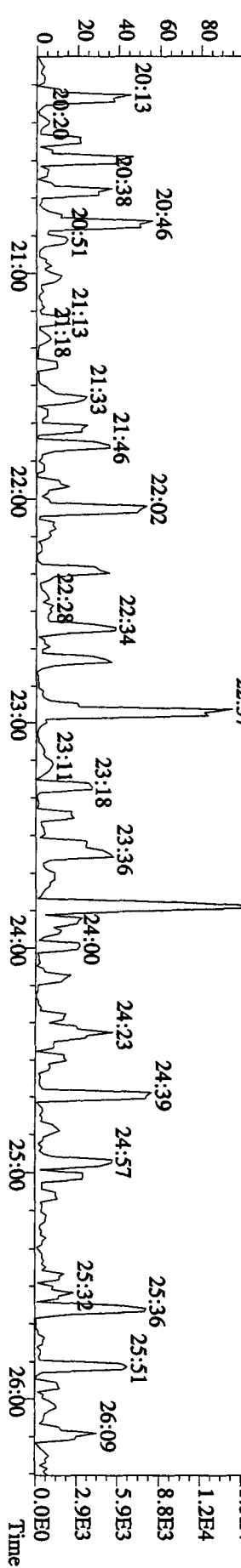
339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7852.0,1.00%,F,T)



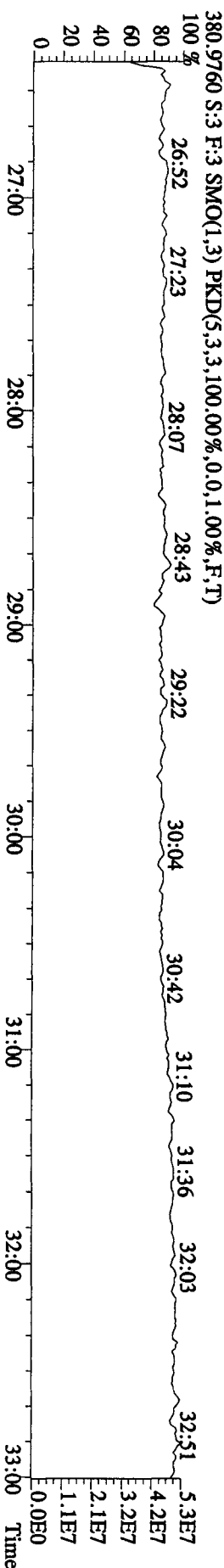
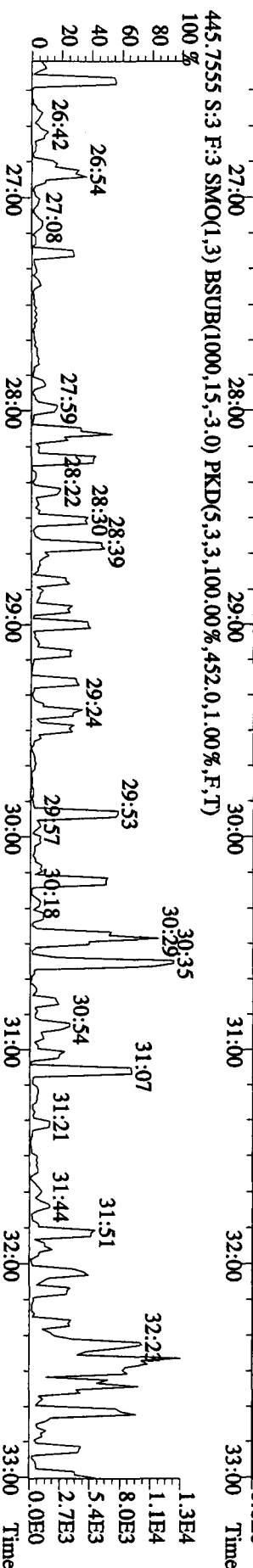
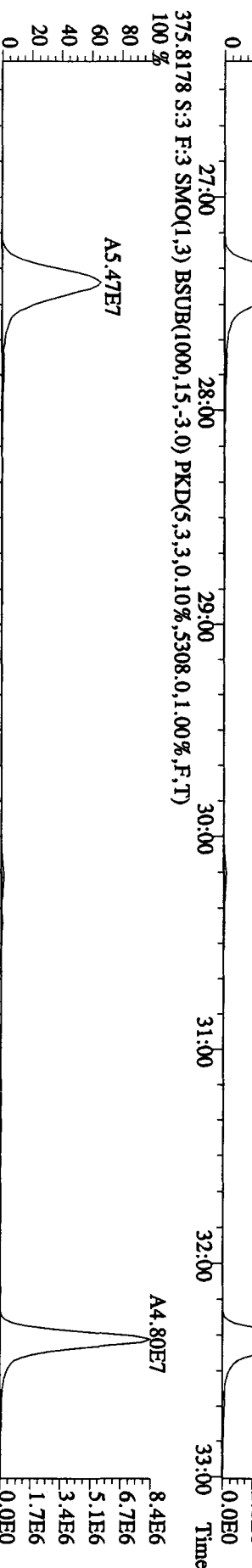
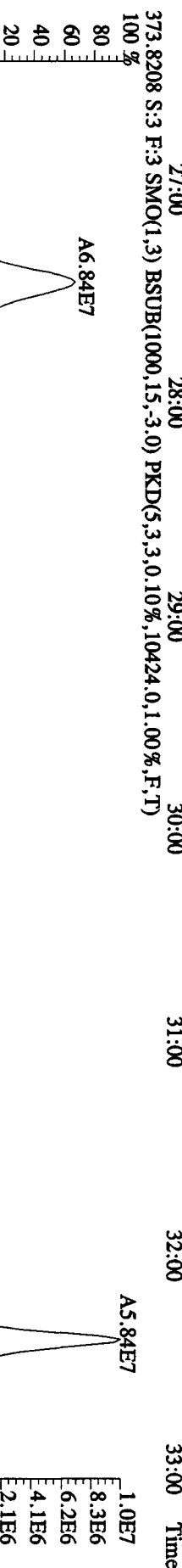
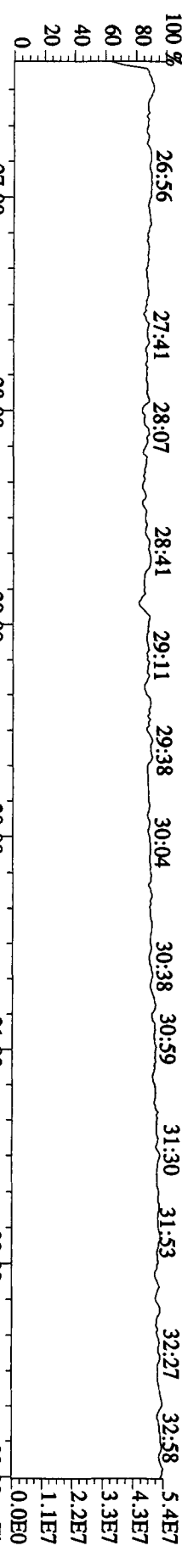
341.8567 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7320.0,1.00%,F,T)



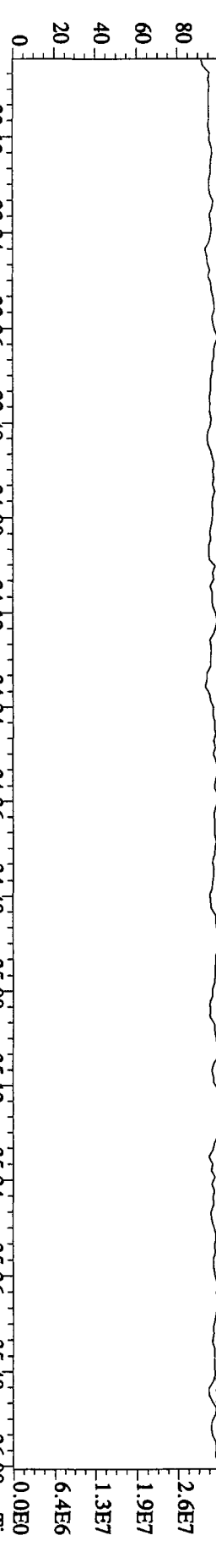
409.7974 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100,00%,572.0,1.00%,F,T)



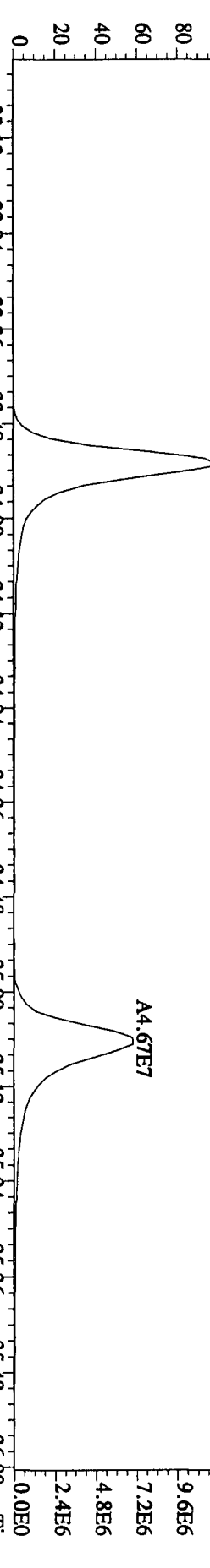
File:26API0A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 392.9760 S:3 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



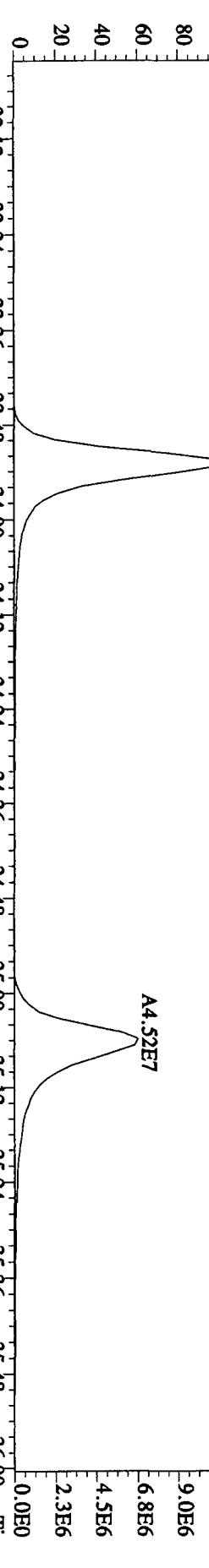
File:26AP10A1D5 #1-210 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CP5M 3732-05 Exp:DIOXIN
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 33:20 33:37 33:57 34:13 34:36 34:45 34:55 35:14 35:39 35:53



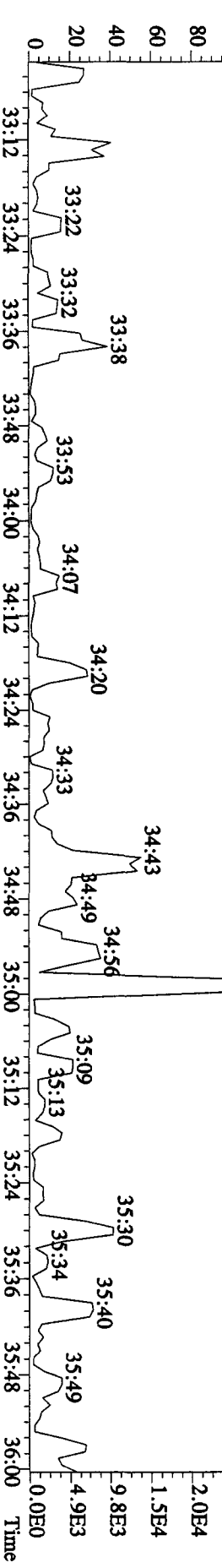
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,18596,0,1.00%,F,T)
 100% 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00
 A5.96E7 A4.67E7



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% 33:12 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
 A5.68E7 A4.52E7



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% 33:12 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
 2.5E4 2.0E4 1.5E4 9.8E3 4.9E3 0.0E0



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

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 37:40 37:53 38:14 38:28 38:39 38:59 39:13

90 80 70 60 50 40 30 20 10 0.0E0 3.1E7 2.8E7 2.5E7 2.2E7 1.9E7 1.6E7 1.2E7 9.3E6 6.2E6 3.1E6

0 36:12 36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 Time

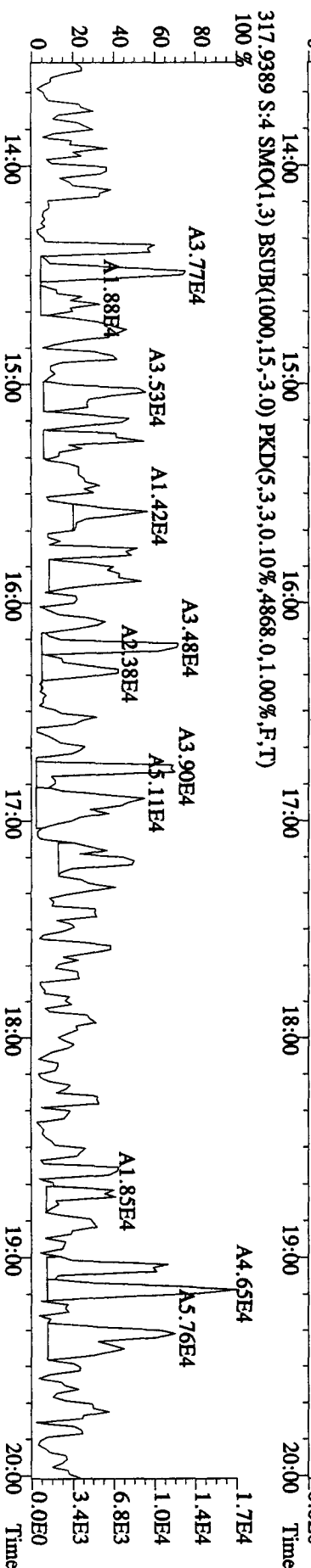
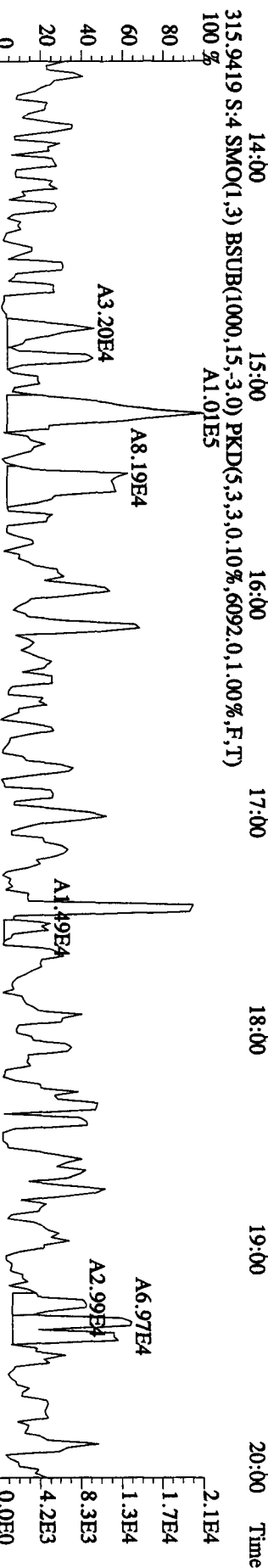
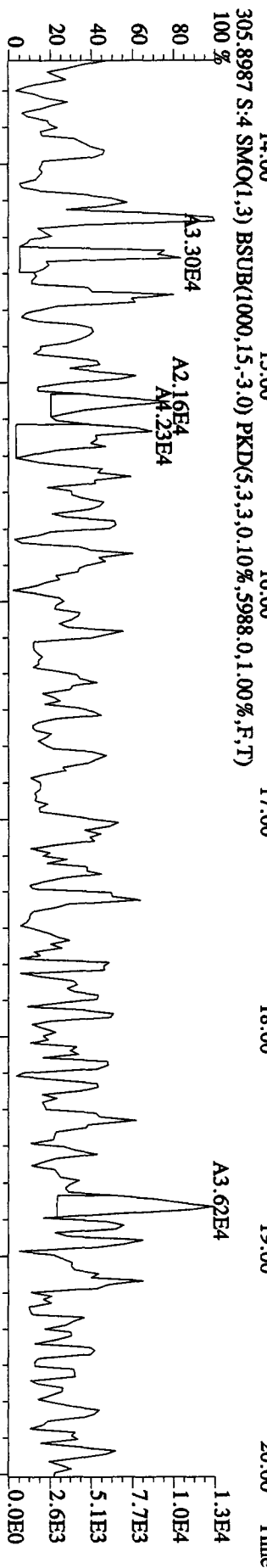
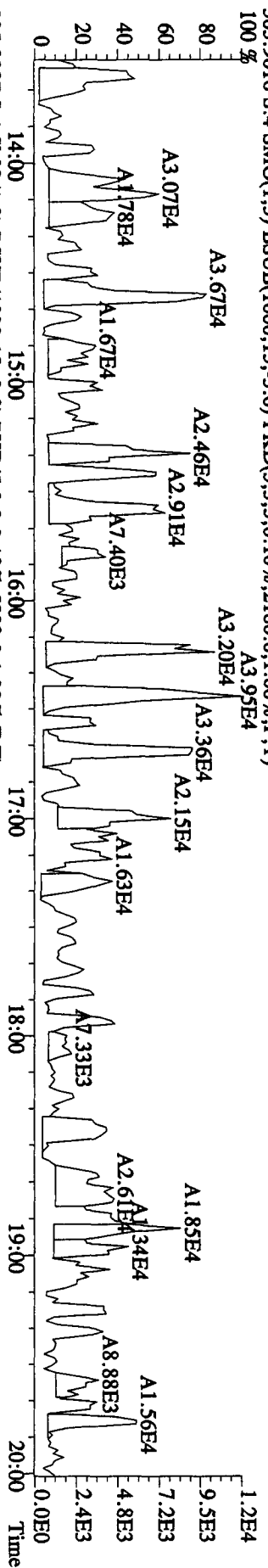
442.9728 S:3 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 % 36:07 36:23 36:35 36:50 37:10 37:35 37:55 38:17 38:31 38:55 39:06 39:17

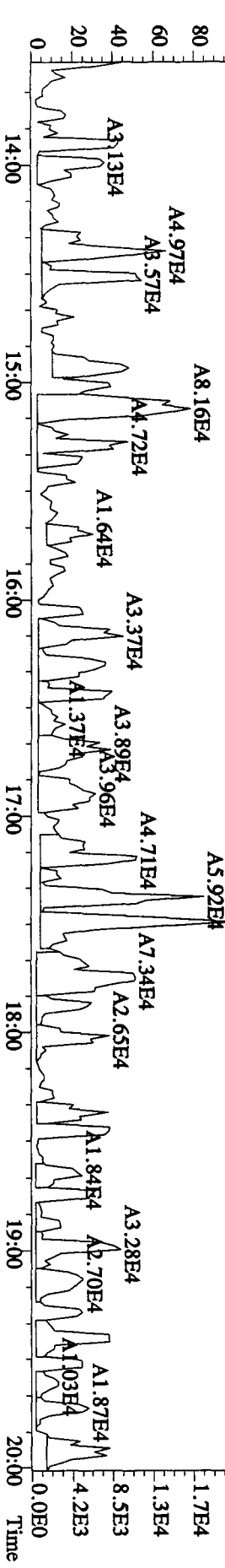
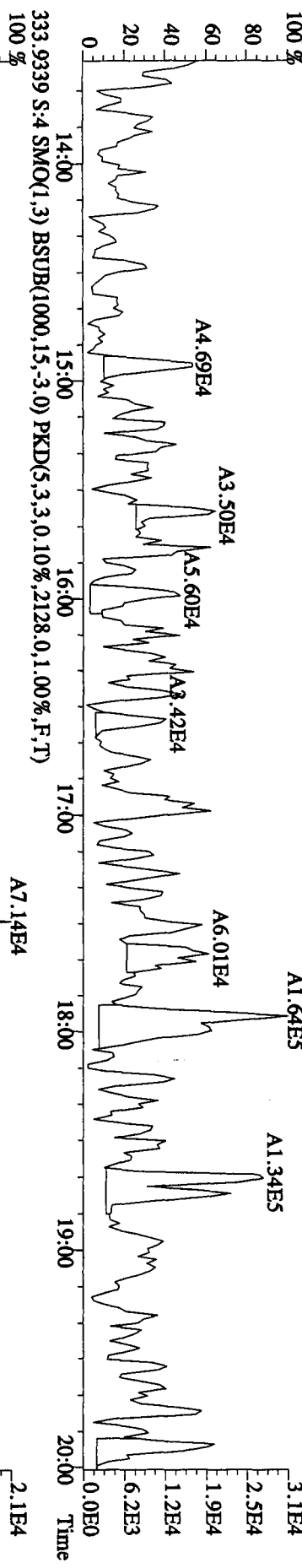
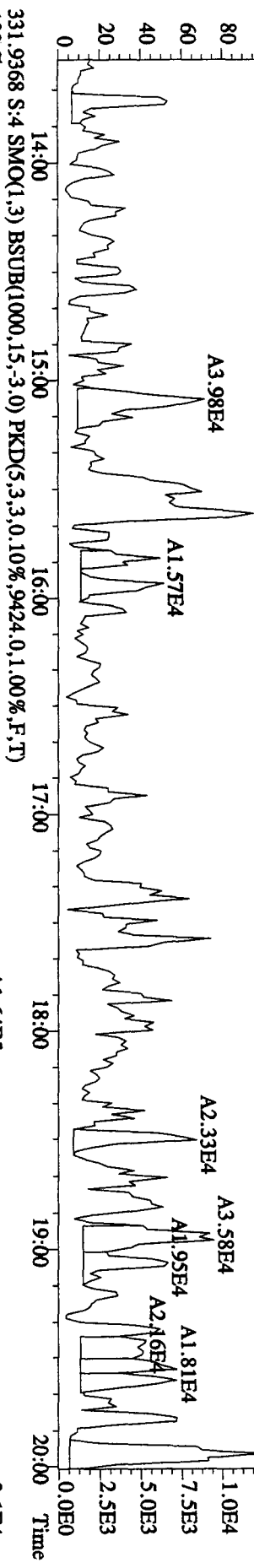
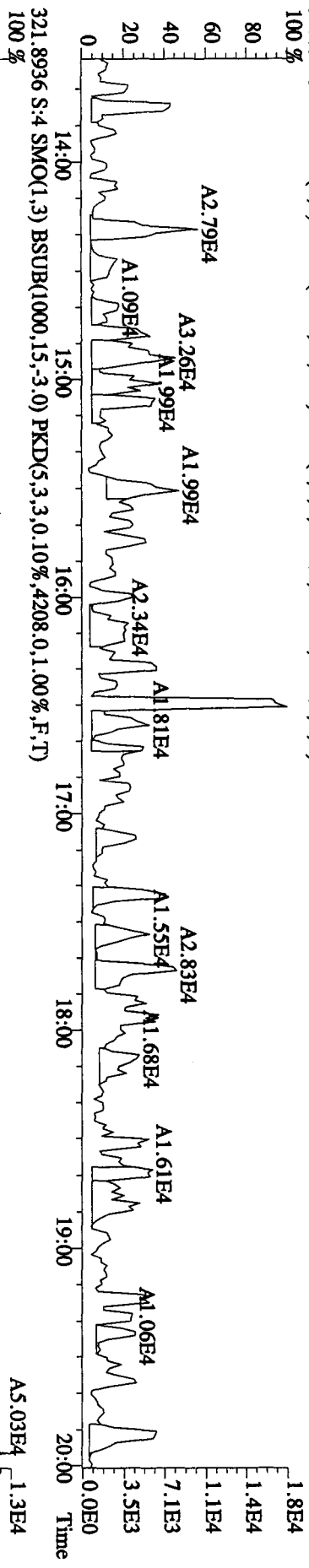
90 80 70 60 50 40 30 20 10 0.0E0 3.8E7 3.4E7 3.1E7 2.7E7 2.3E7 1.9E7 1.5E7 1.1E7 7.6E6 3.8E6

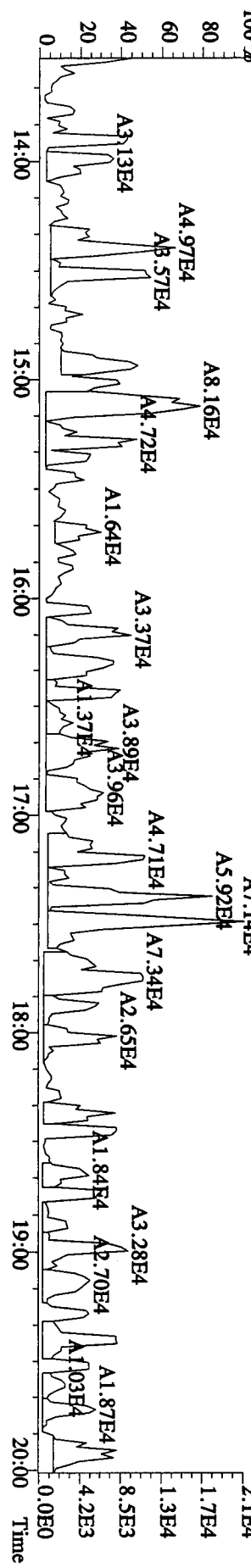
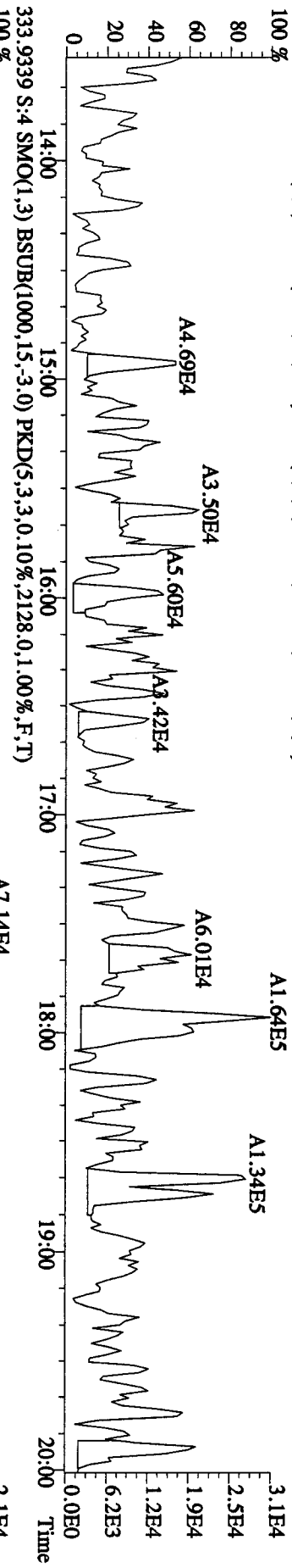
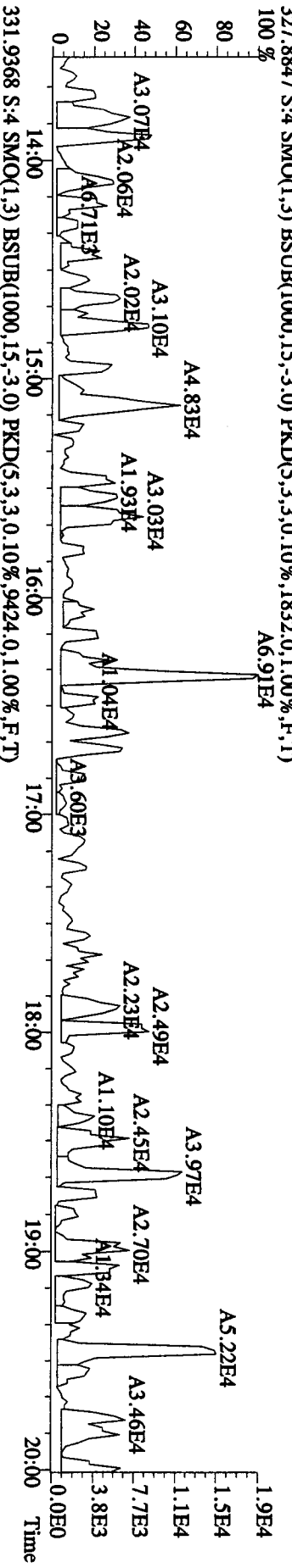
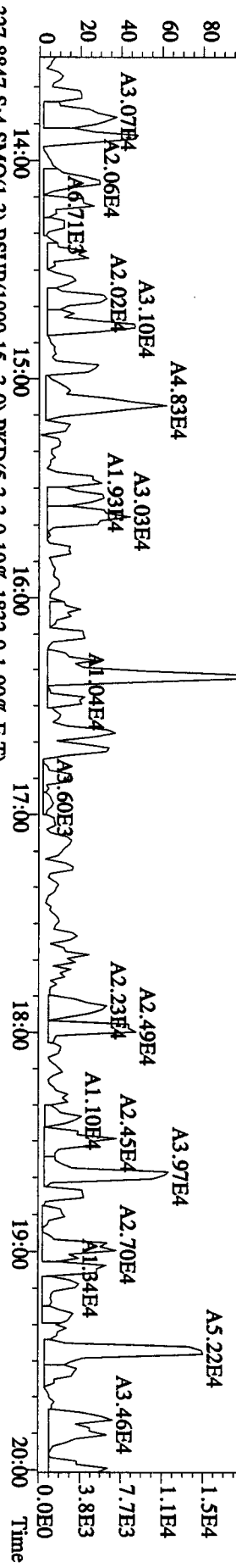
0 36:12 36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 Time

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%,2180,0.1,0.0%,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 %

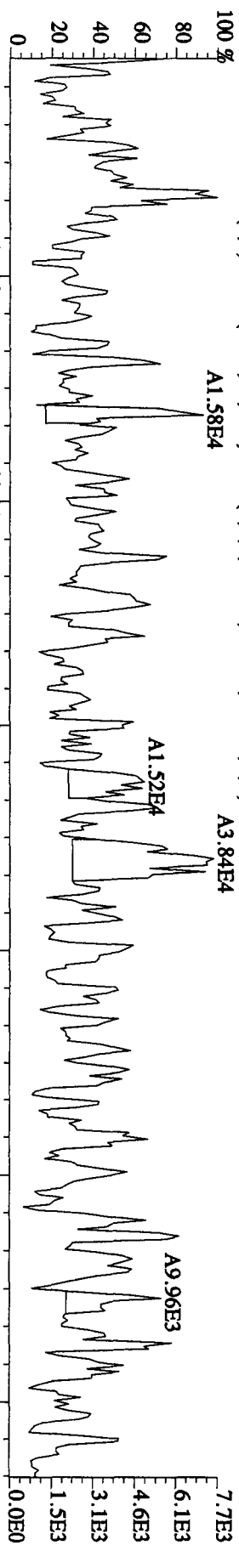




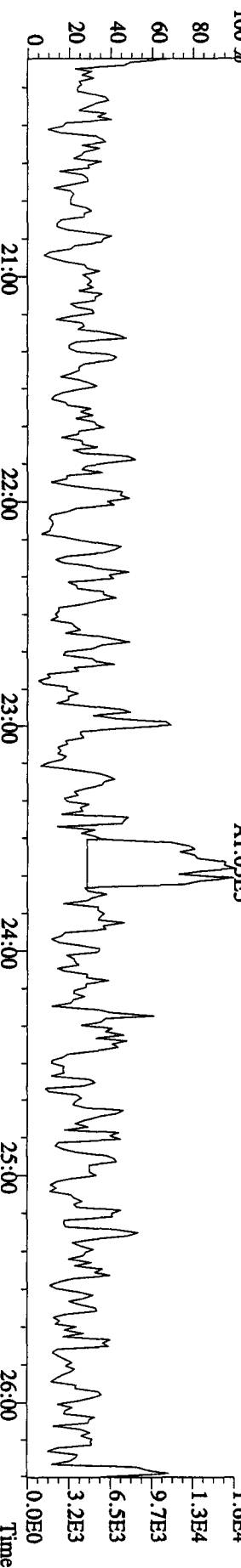
File:26API0A1IDS #1-444 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

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

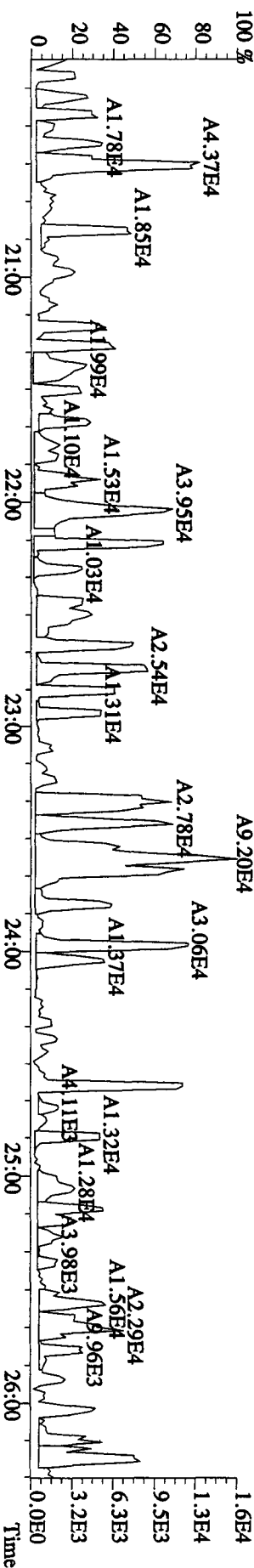
339.8597 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.3524,0,1,00%,F,T)



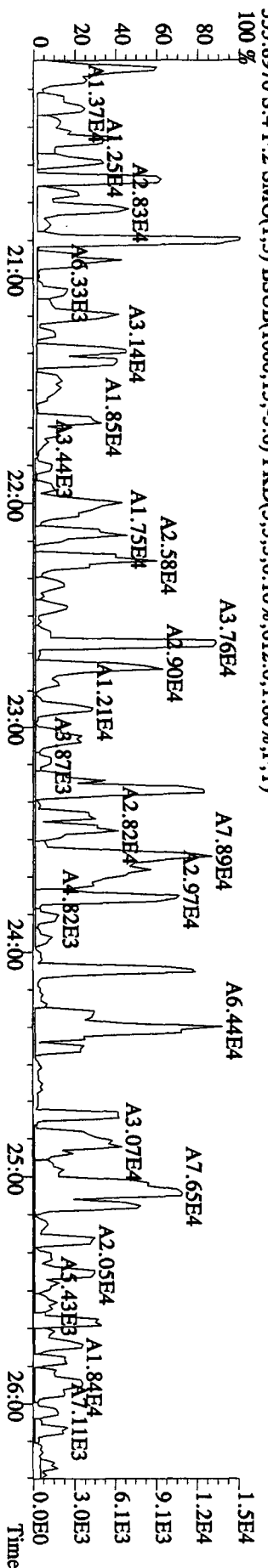
341.8567 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.5716,0,1,00%,F,T)



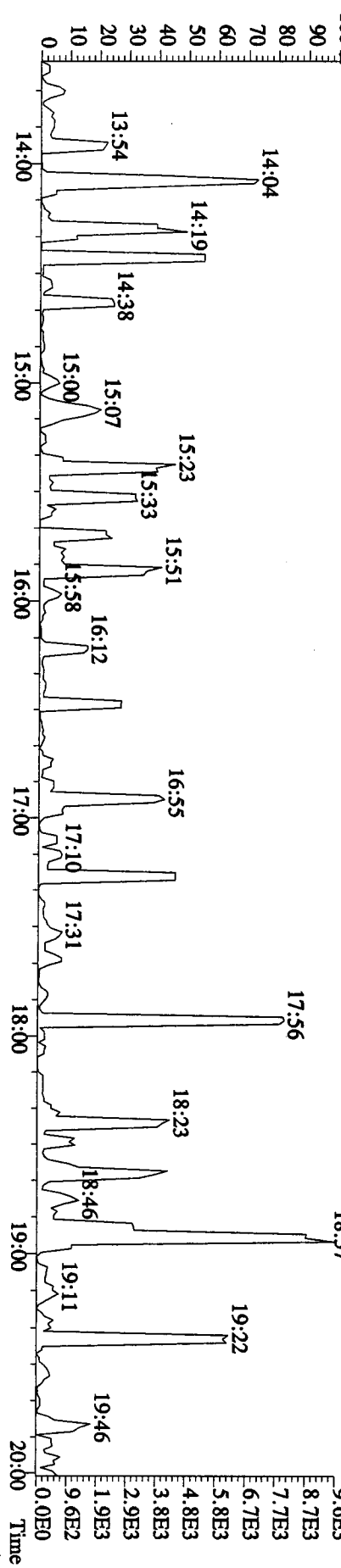
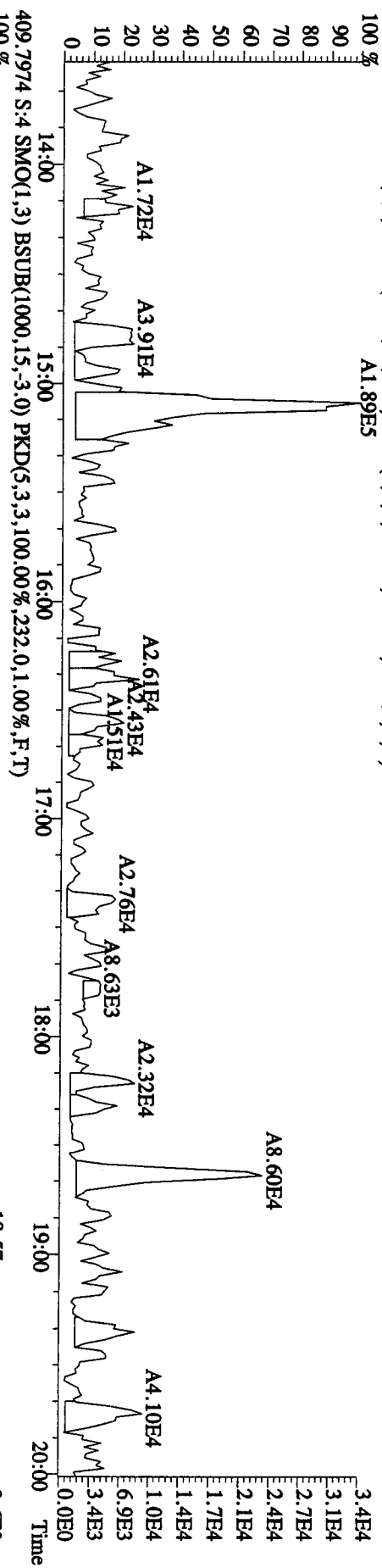
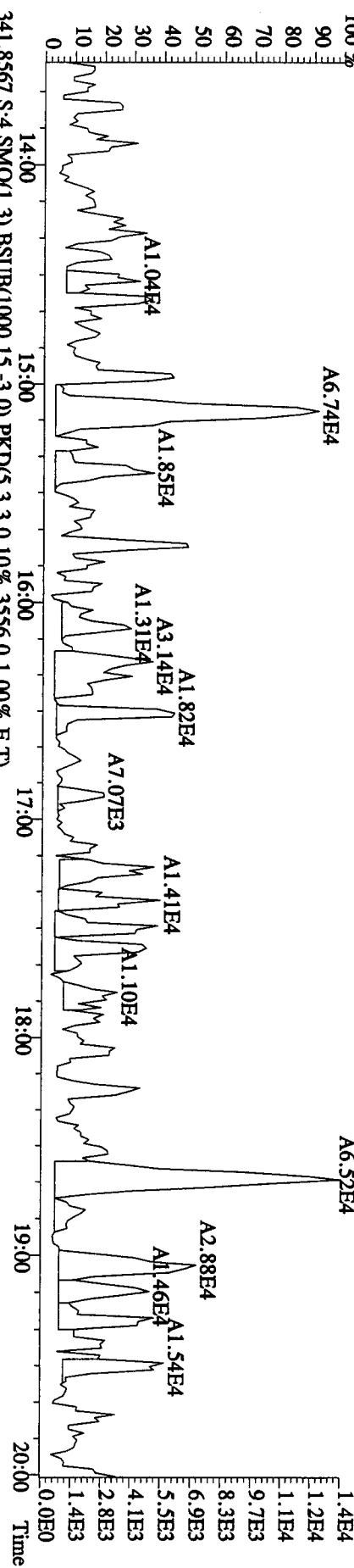
351.9000 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.1272,0,1,00%,F,T)



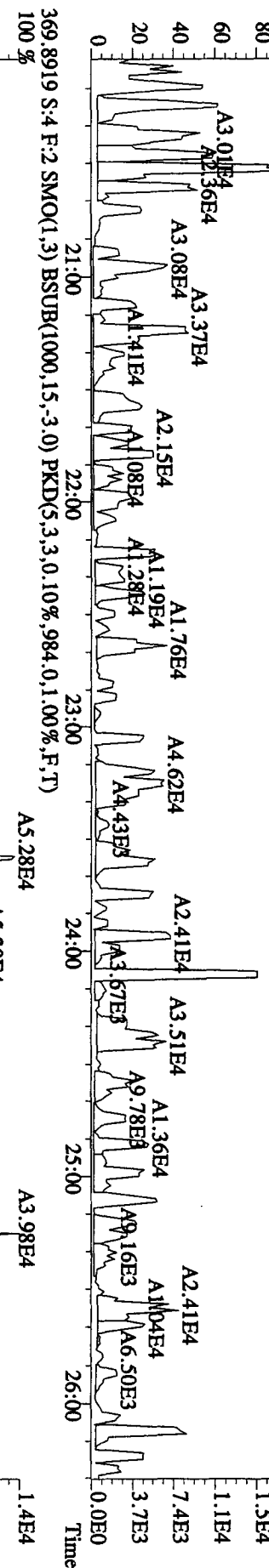
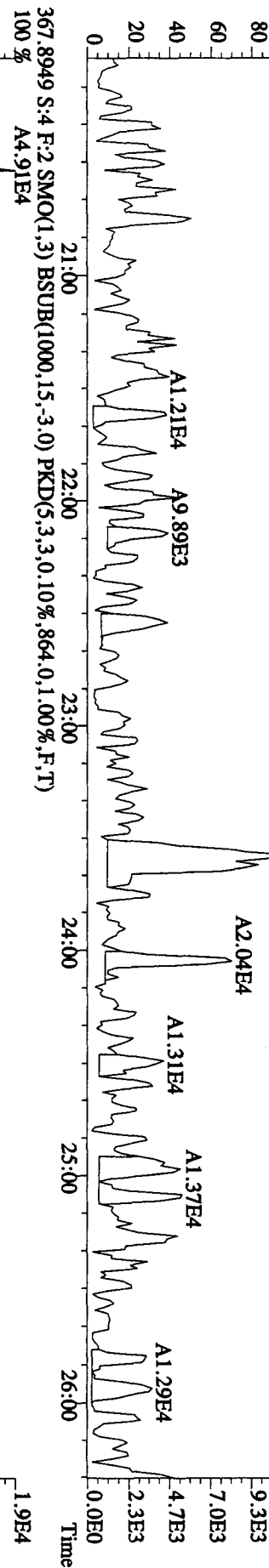
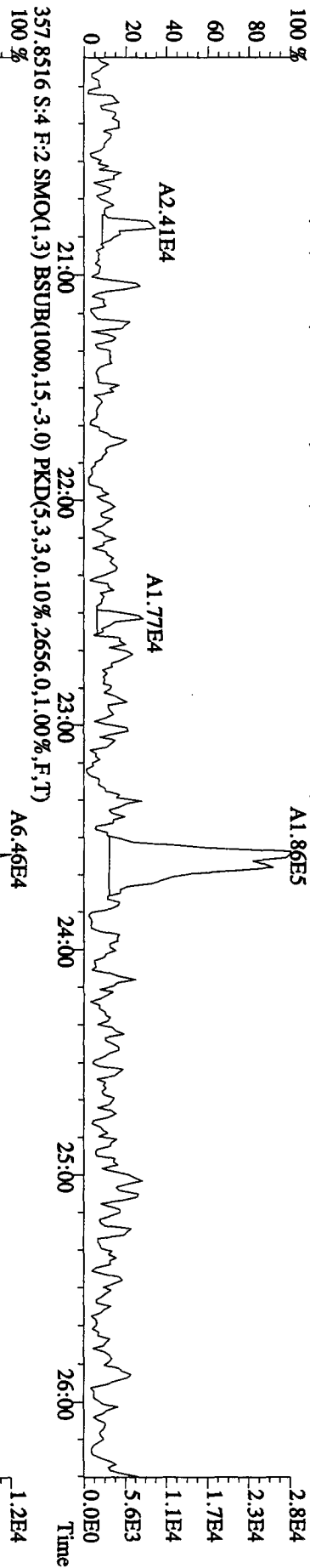
353.8970 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.612,0,1,00%,F,T)



File:26API0A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SP0426C :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)
 100 %



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)
100 %

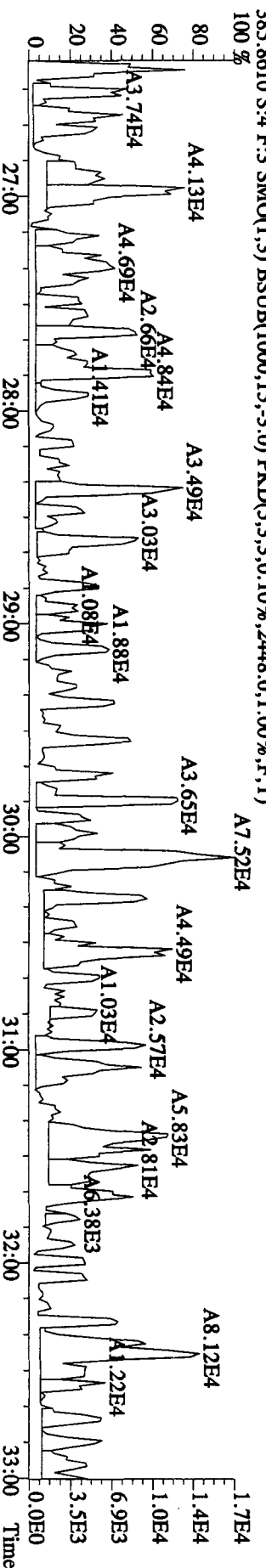
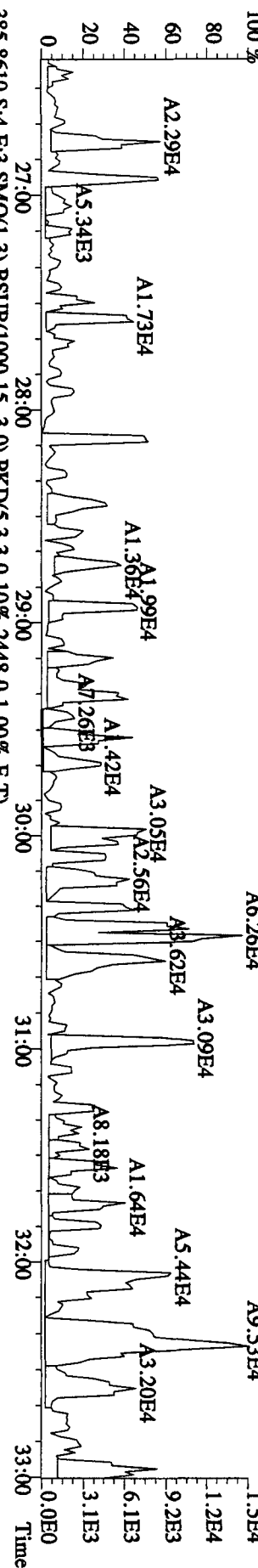
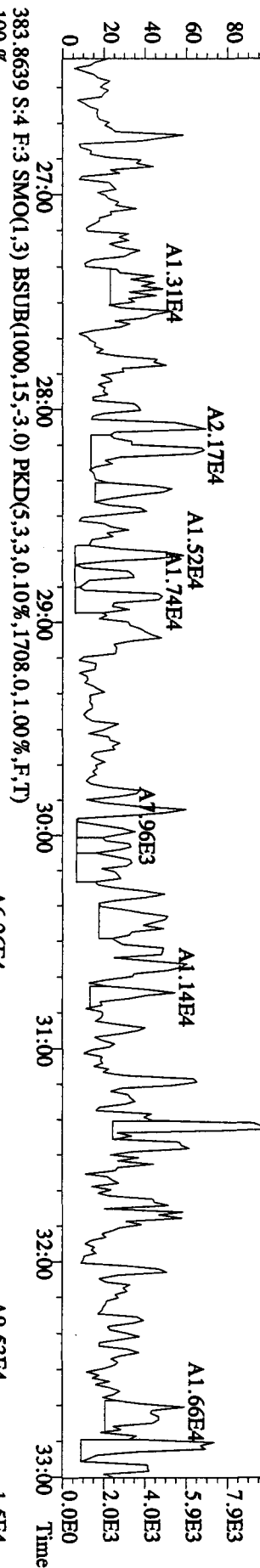
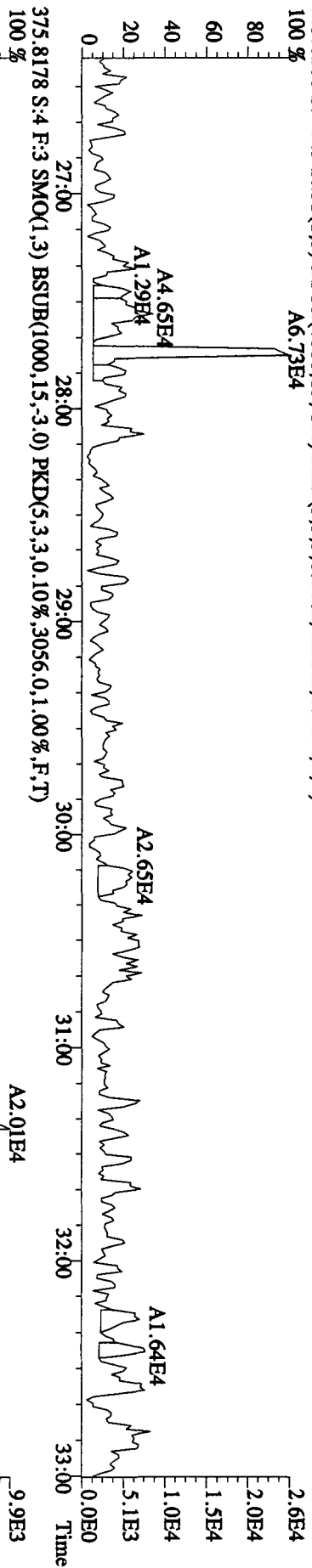


File:26AP10A1ID5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

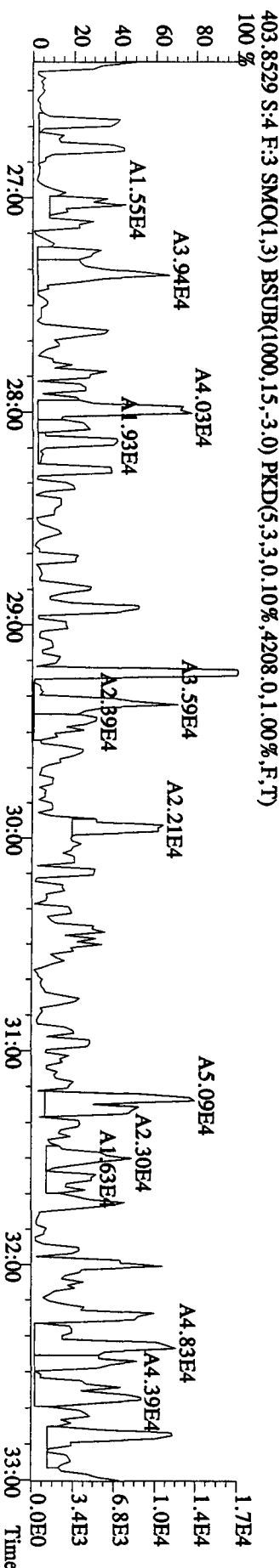
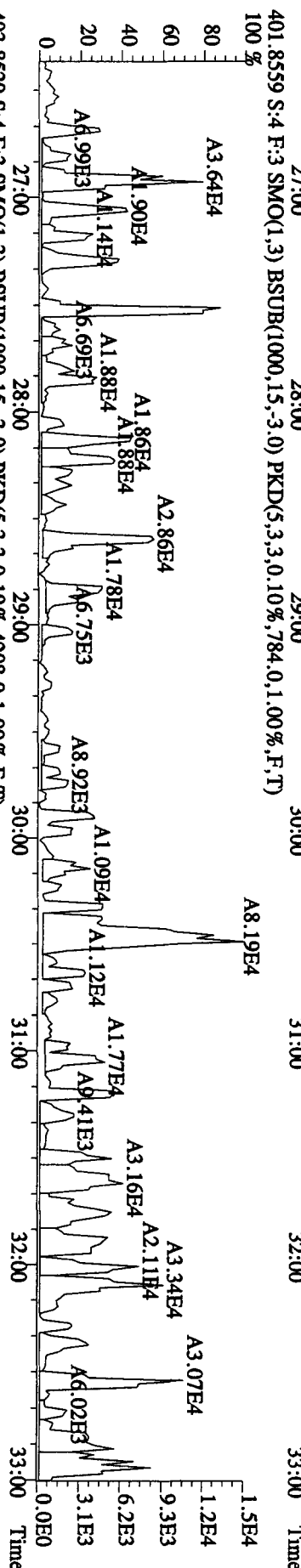
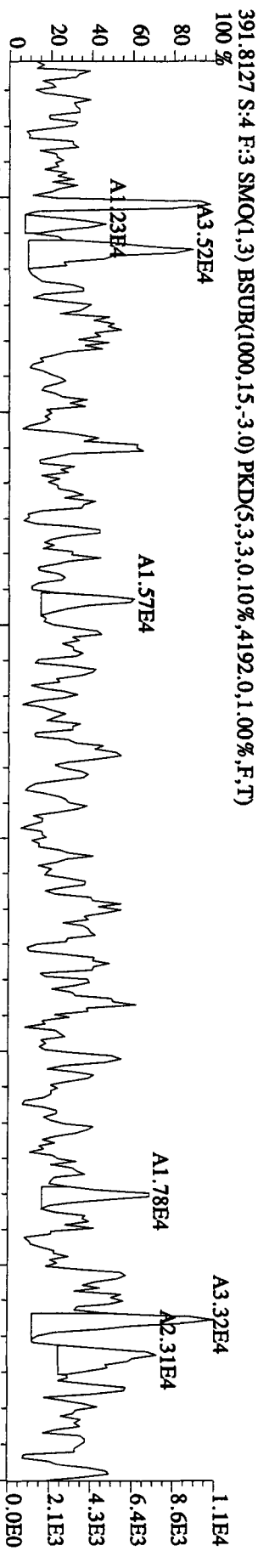
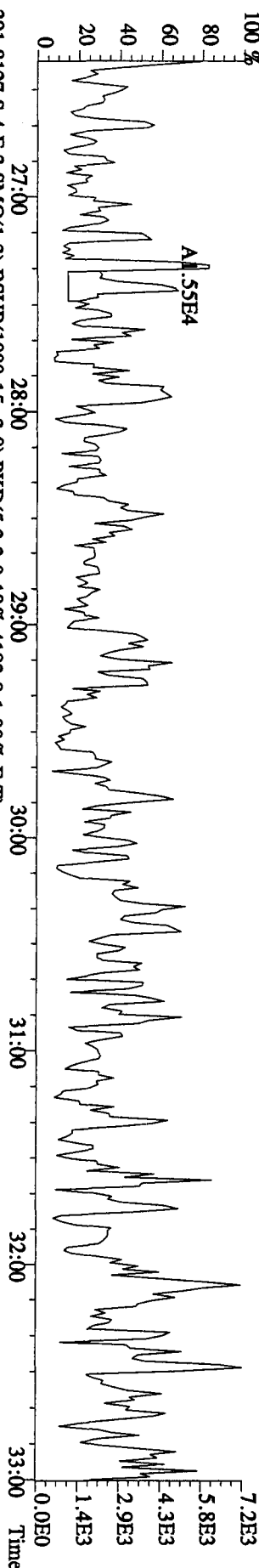
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

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)

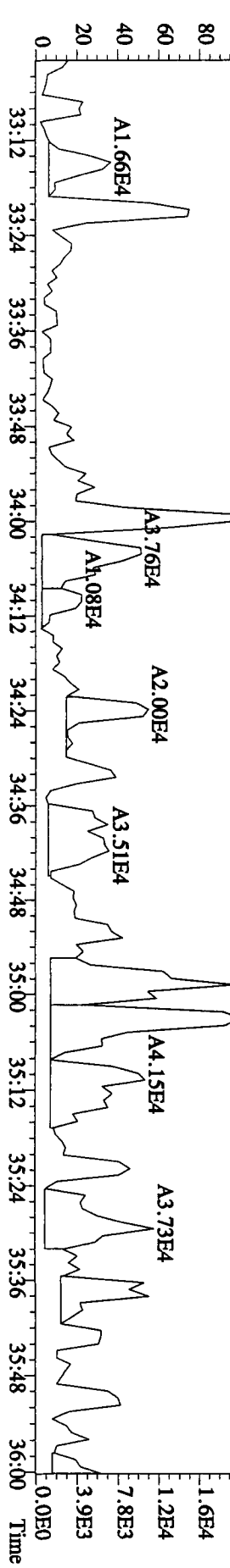
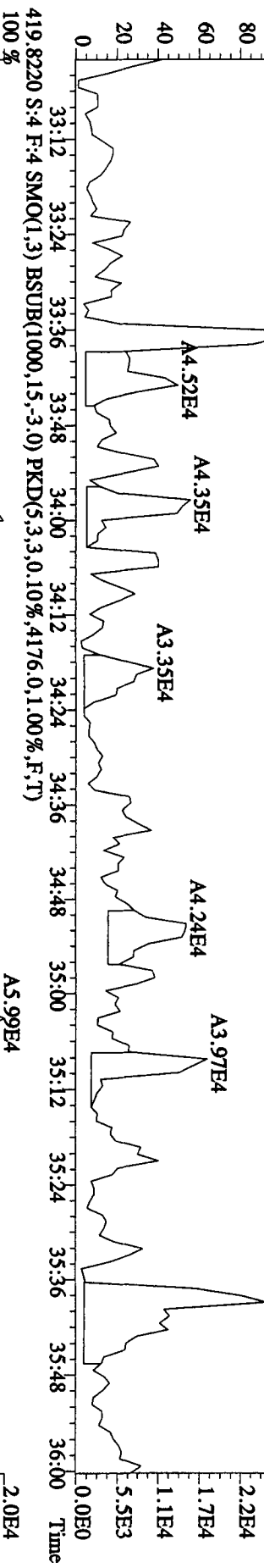
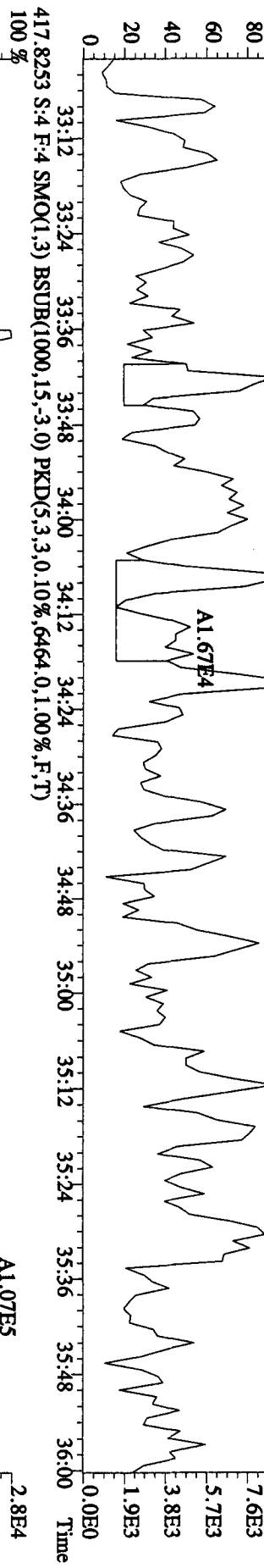
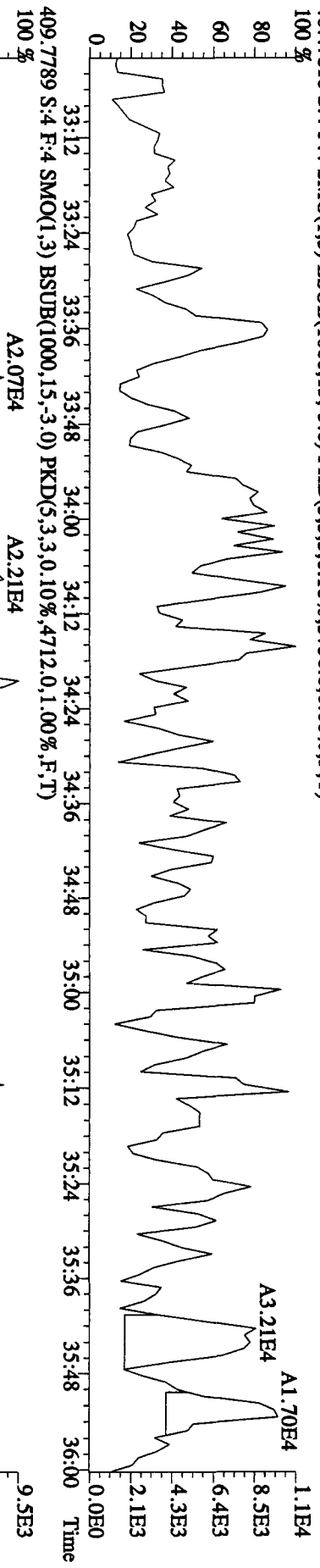
100% A6.73E4

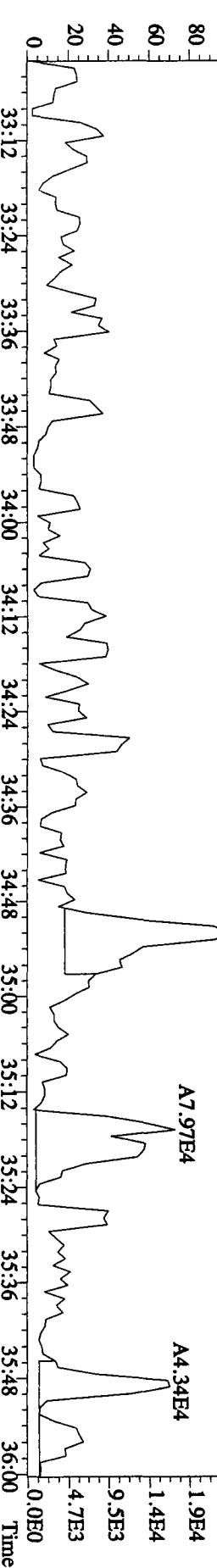
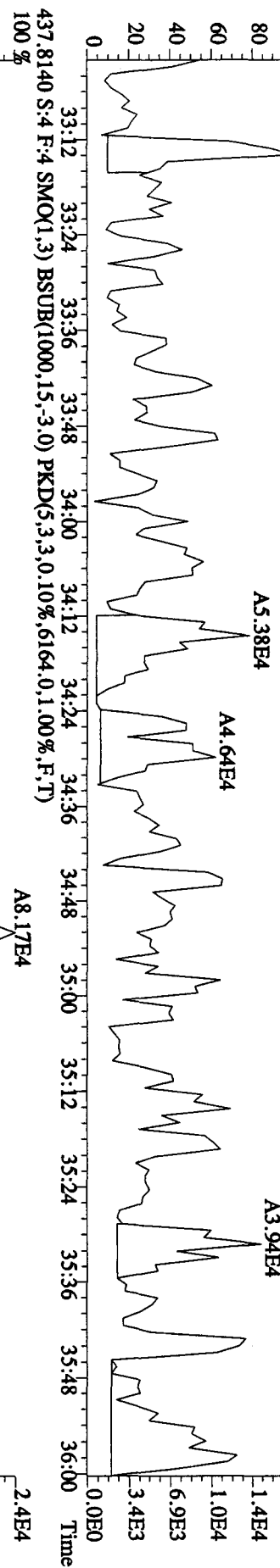
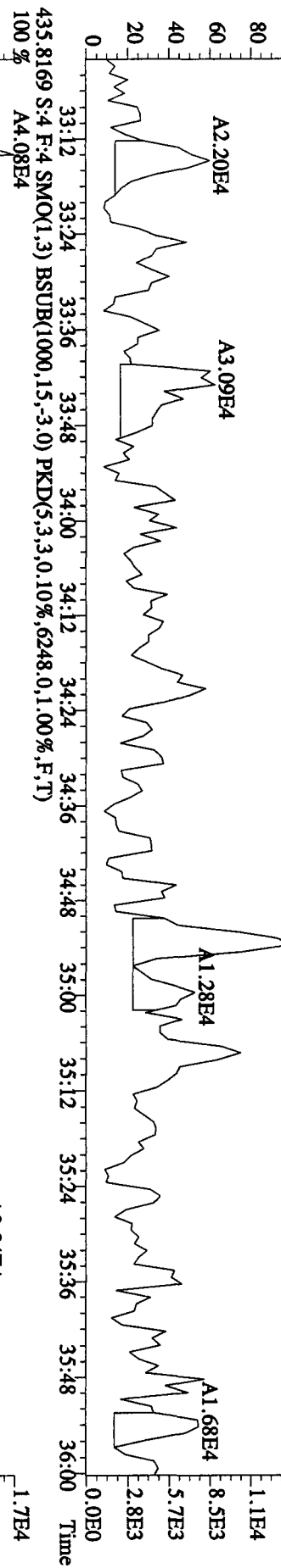
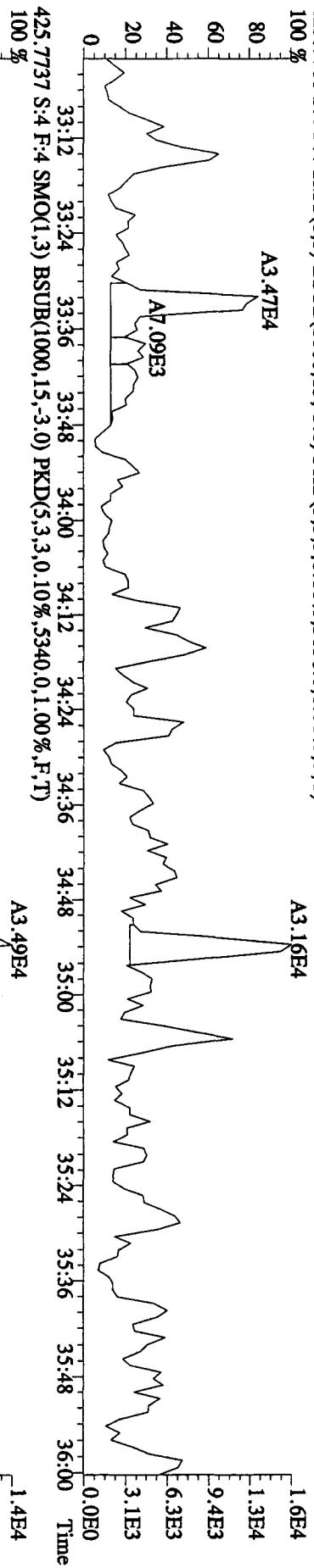


File:26AP10AID5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4192.0,1.00%,F,T)

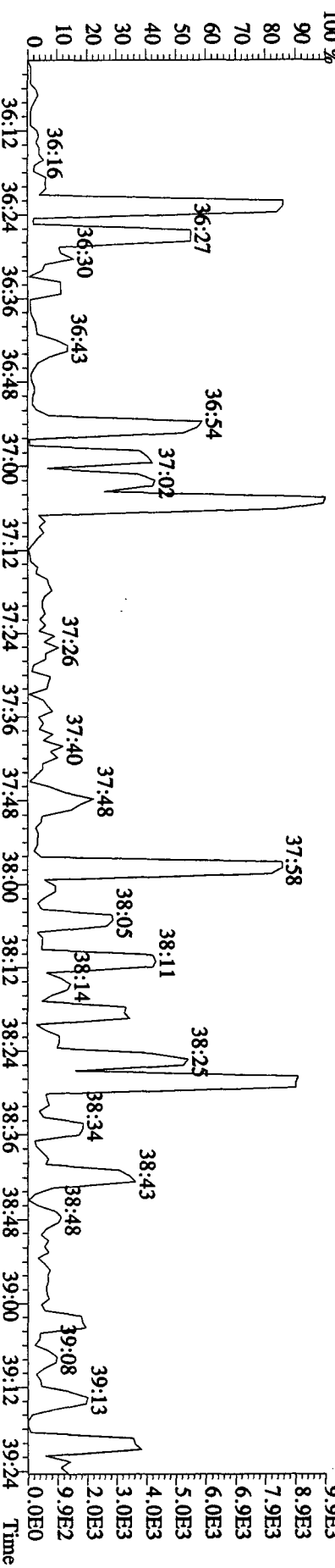
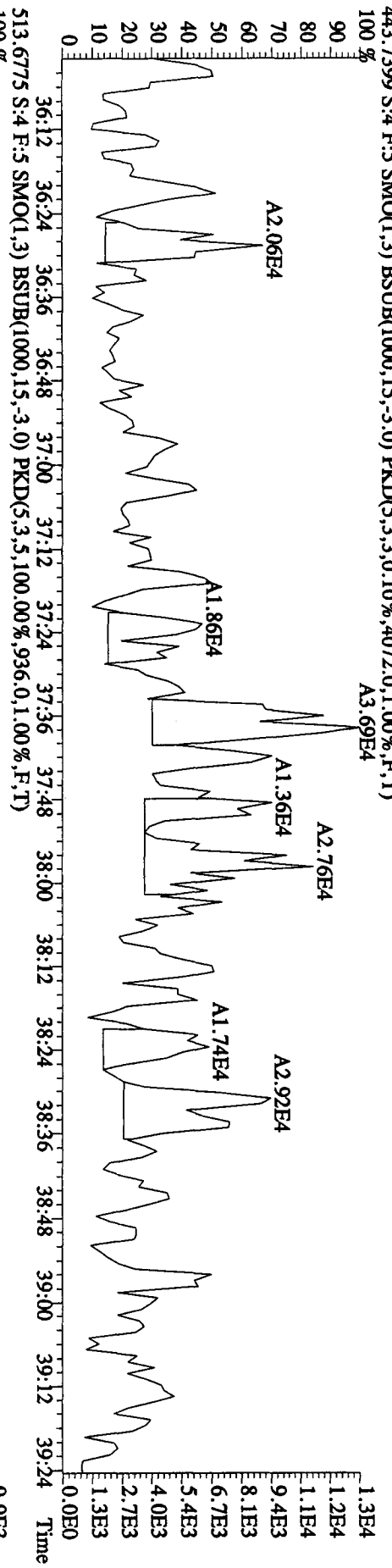
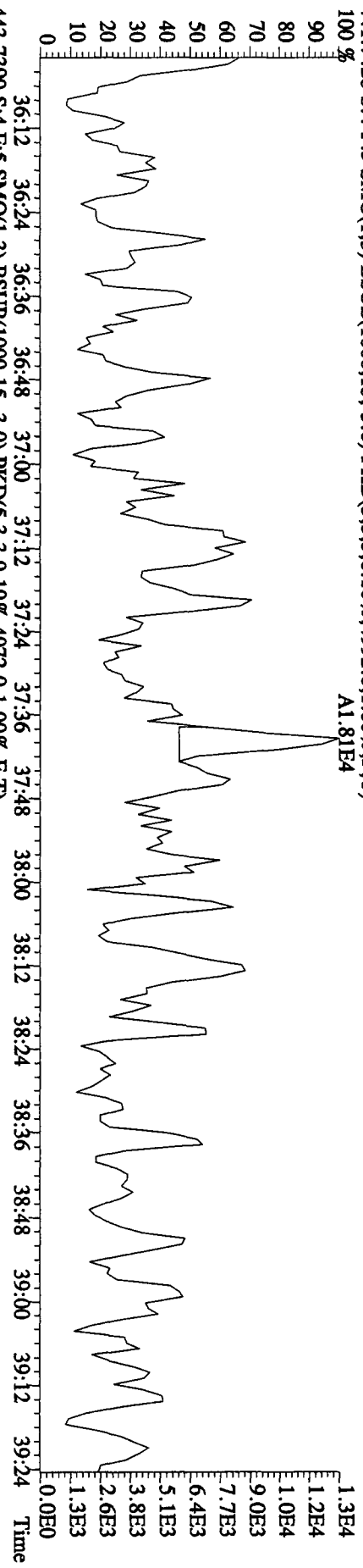


File:26AP10AID5 #1-210 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5736,0.1,00%,F,T)

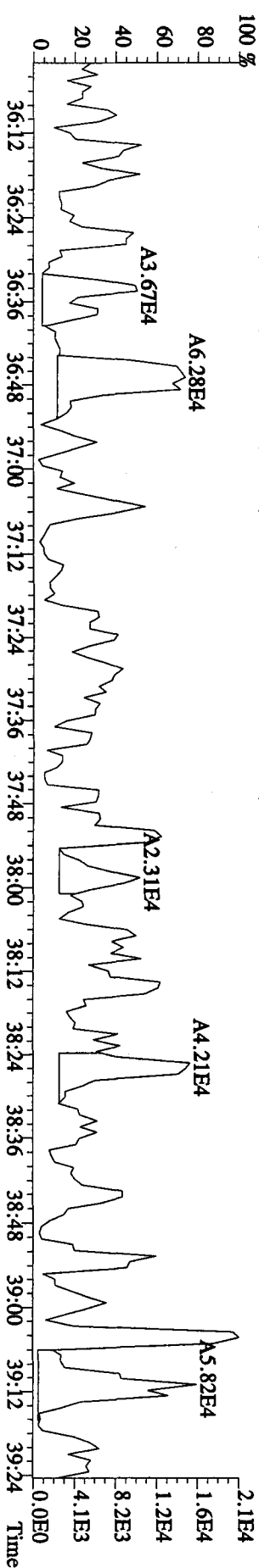
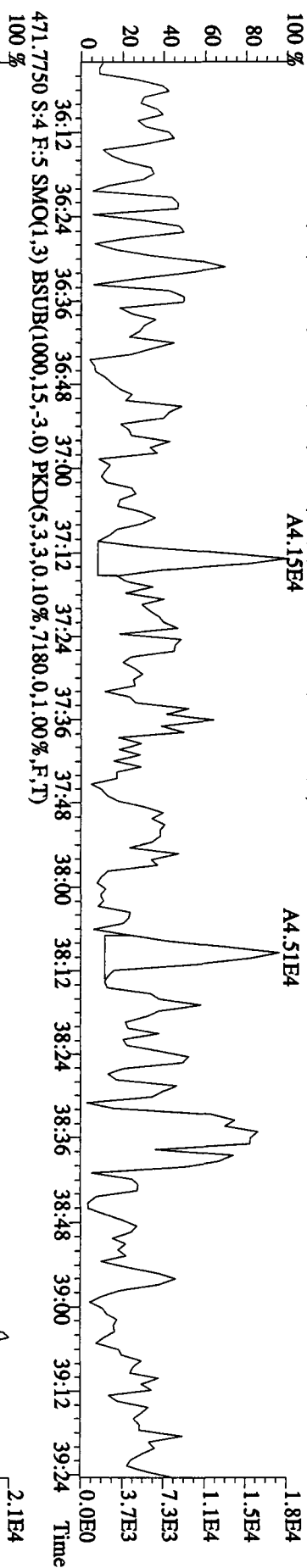
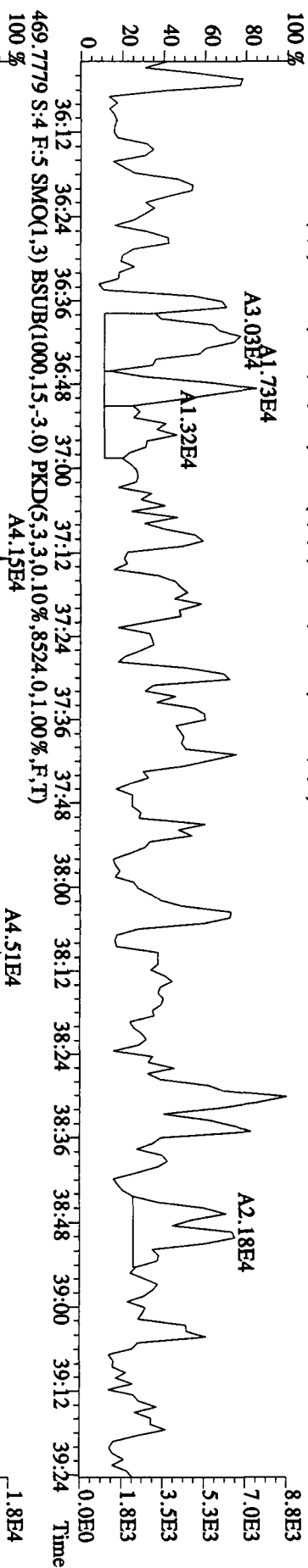
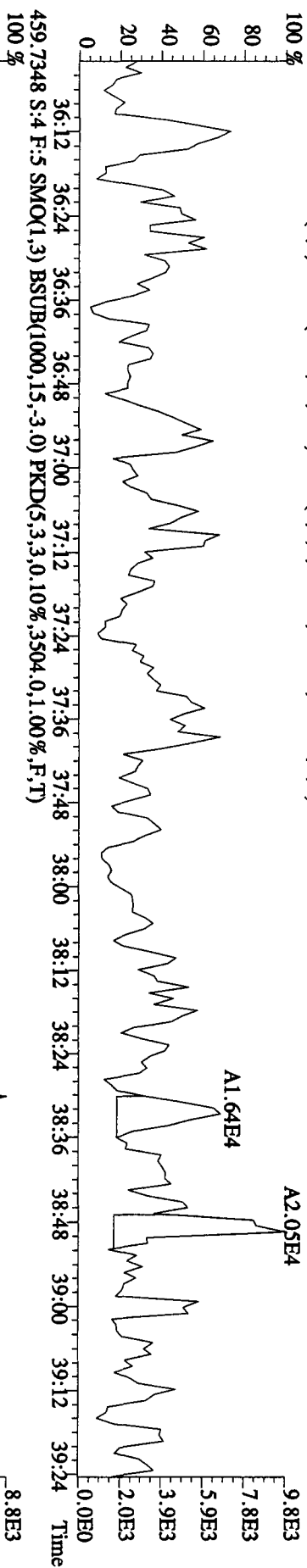


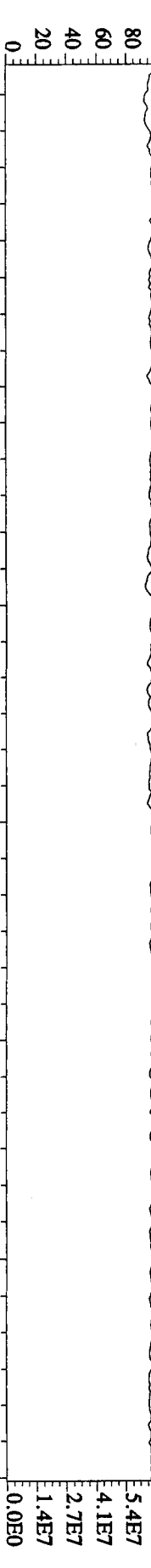
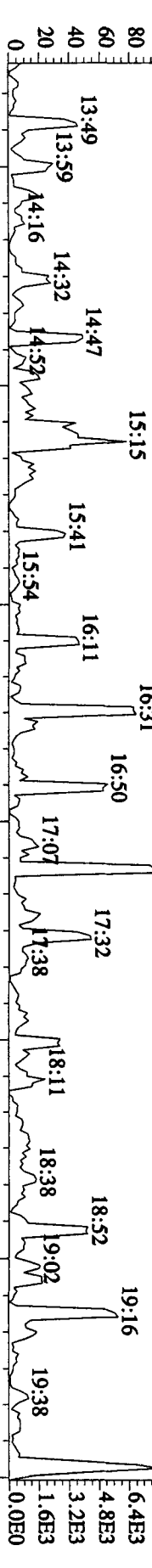
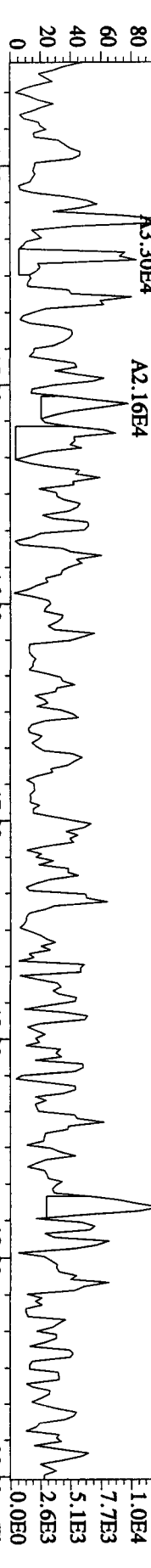
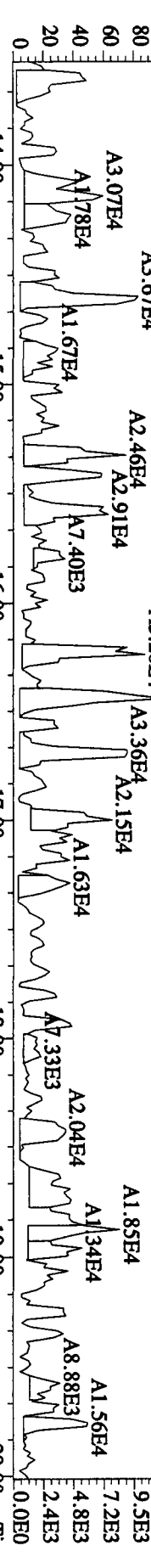
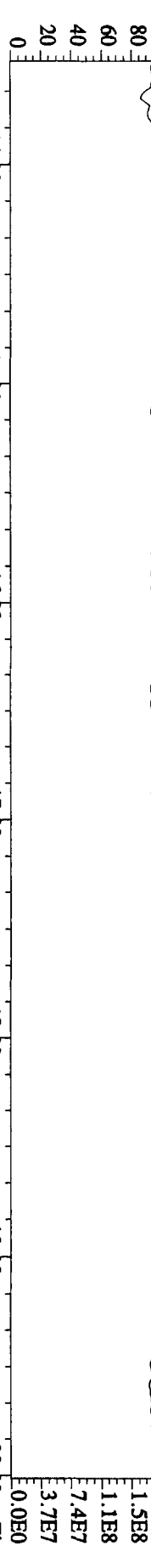


File:26API0A1D5 #1-244 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)
 100%



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
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)
 100 %



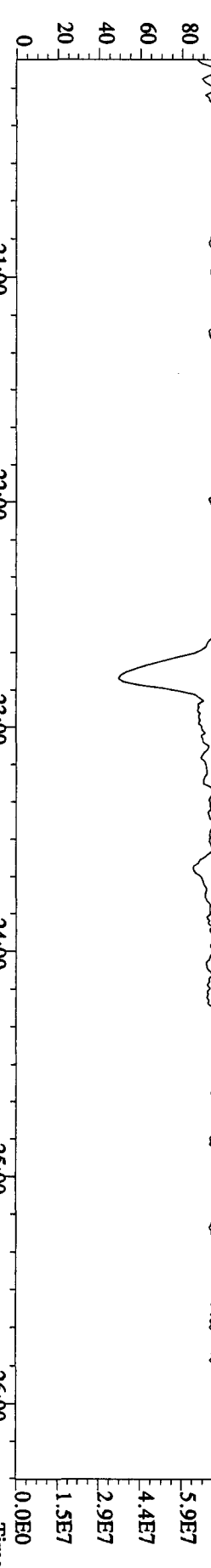


File: 26AP10A1D5 #1-444 Acq: 26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

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

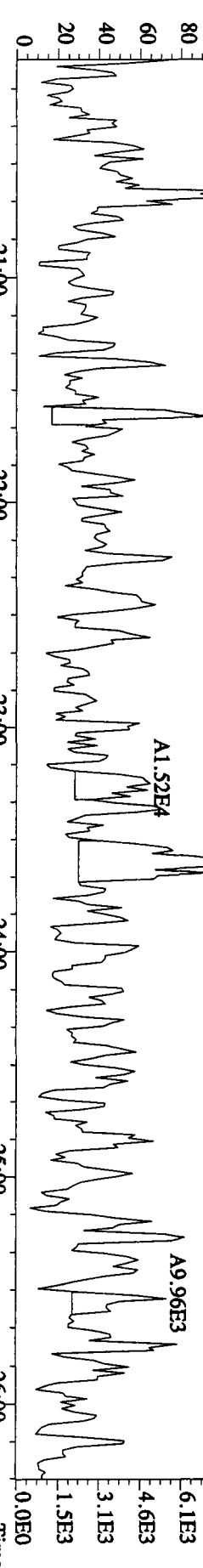
342.9792 S:4 F:2 SMO(1,3) PKD(5.3,3,100.00% 0.0,1.00%.F,T)

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



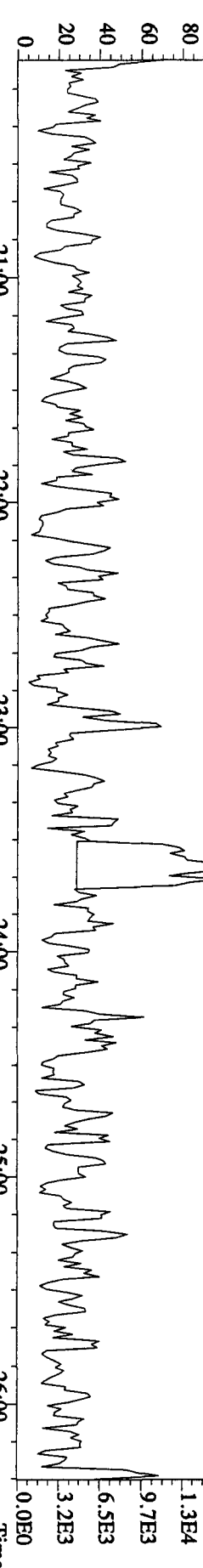
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%.3524,0.1,00%.F,T)

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



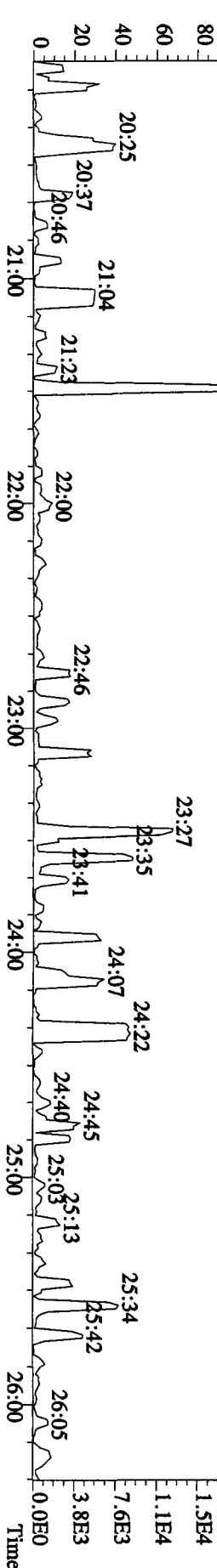
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%.5716,0.1,00%.F,T)

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

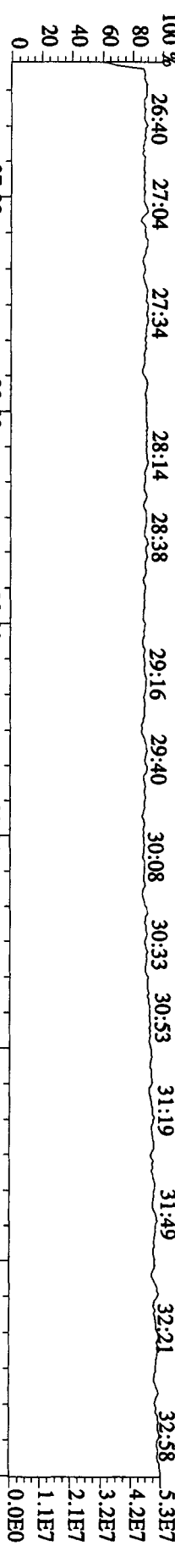


409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%.580,0.1,00%.F,T)

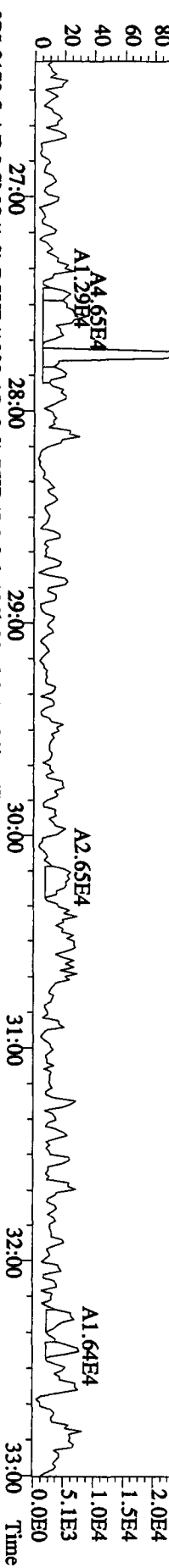
100% 21:00 22:00 23:00 24:00 25:00 26:00



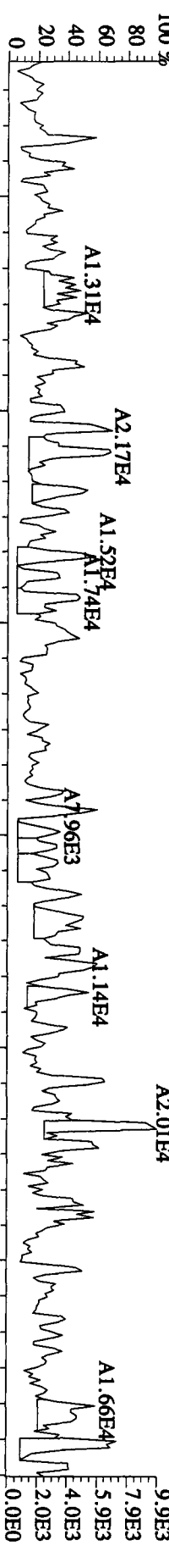
File:26API0A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIODIXIN
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



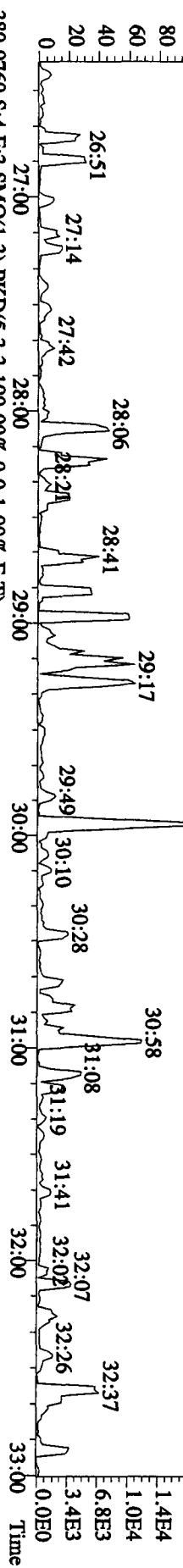
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4252,0.1,00%,F,T)
 100% A6.73E4



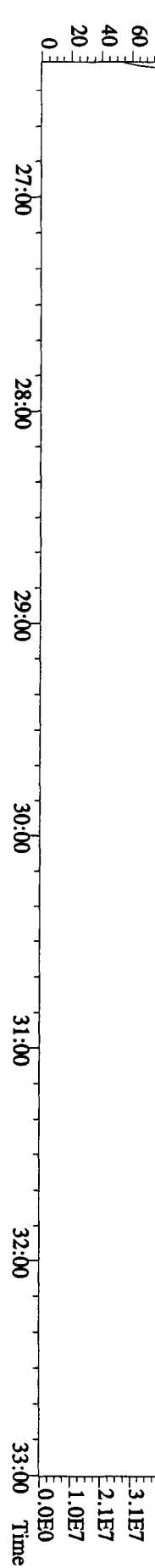
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3056,0.1,00%,F,T)
 100%



445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,556,0.1,00%,F,T)
 100%

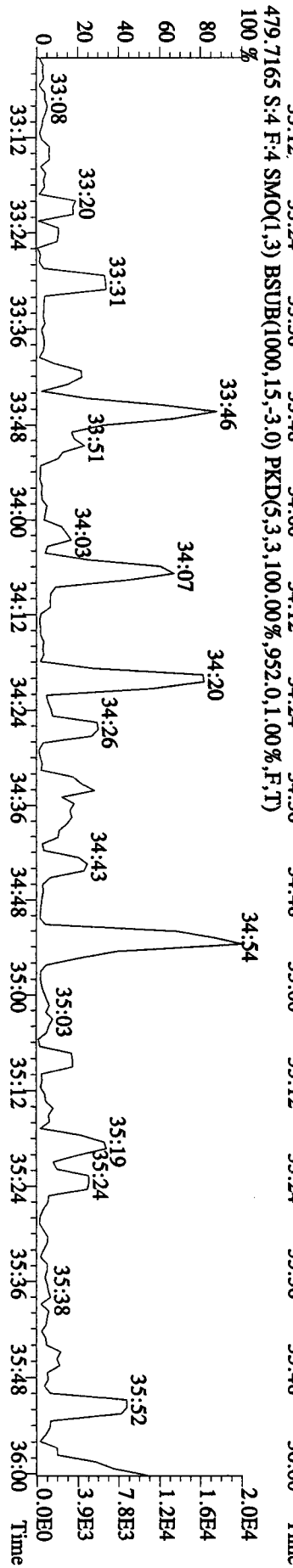
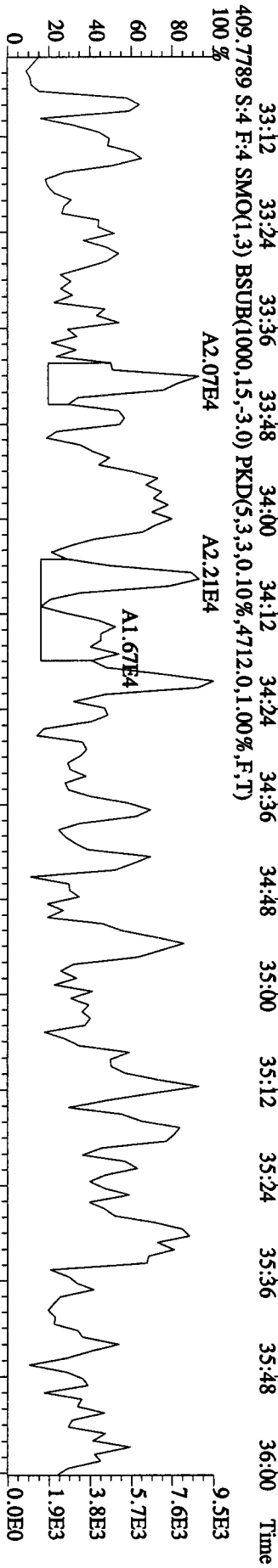
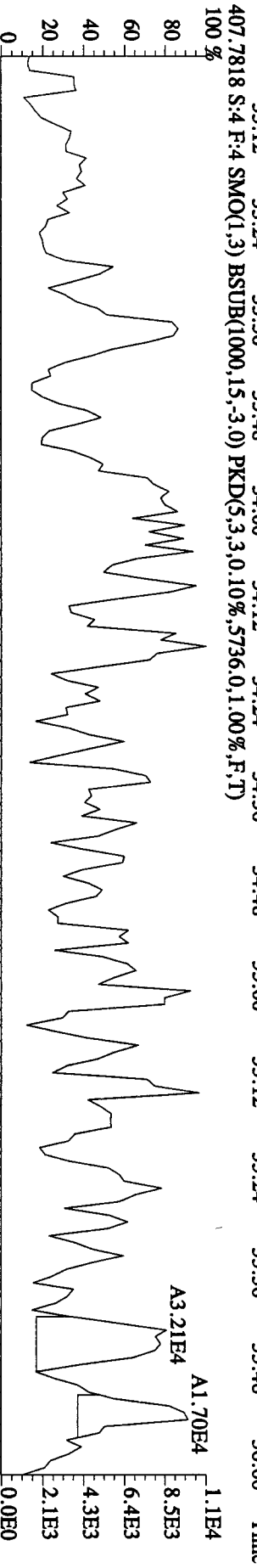
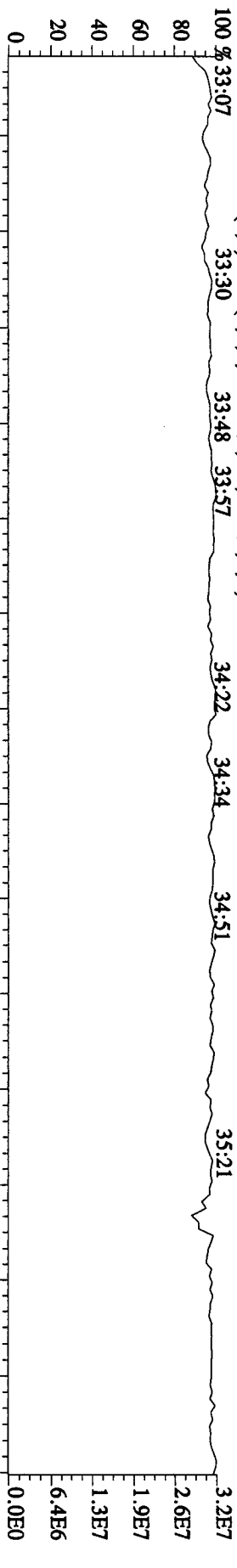


380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



File:26API0A1IDS #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

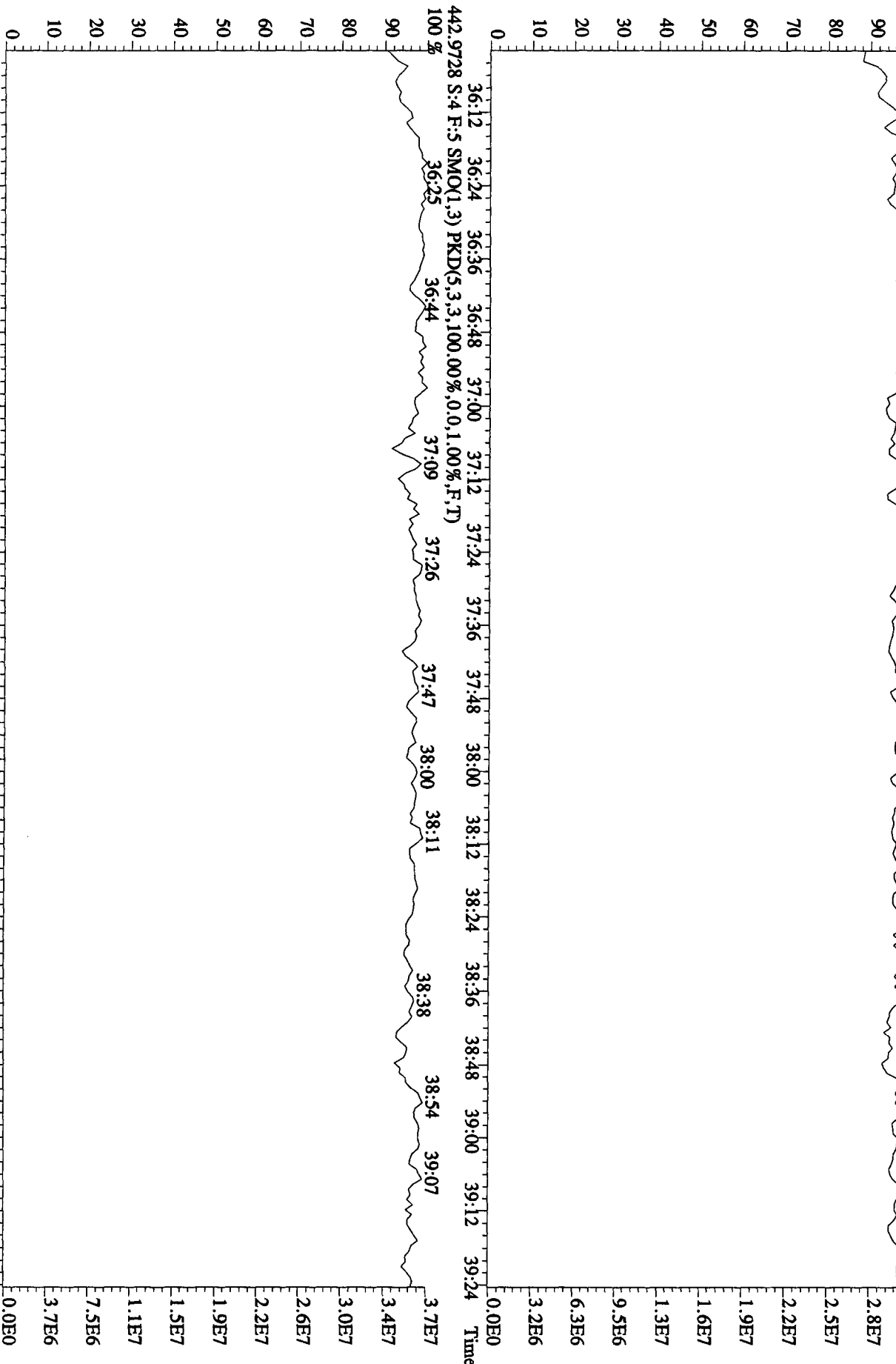


File:26API10A1D5 #1-244 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

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

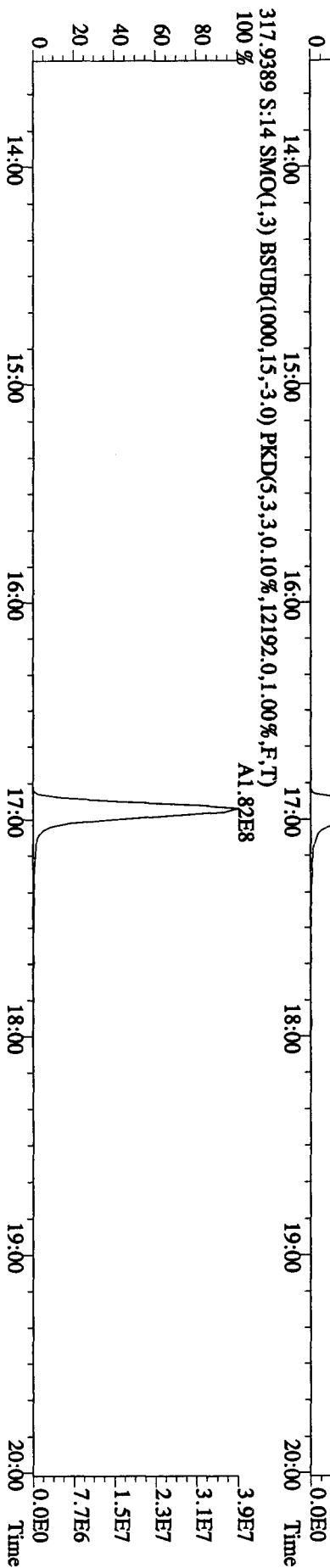
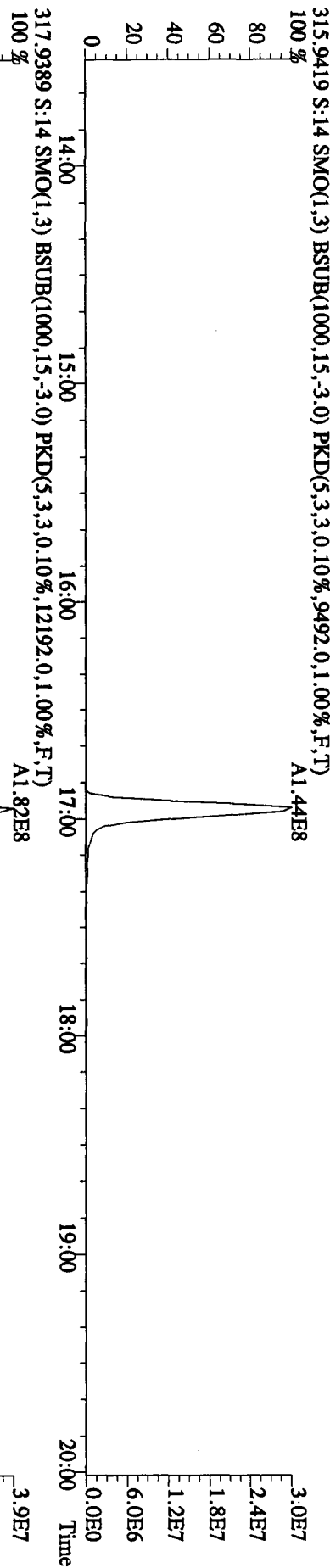
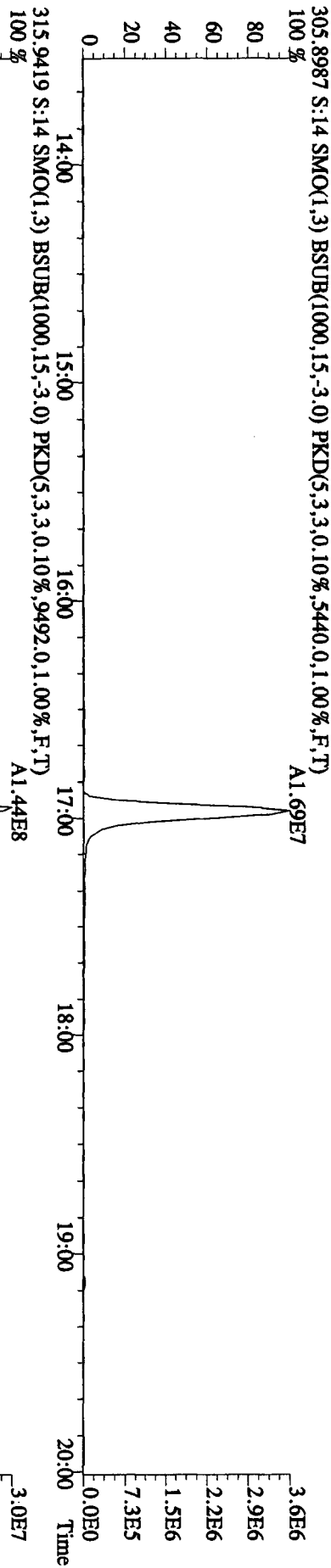
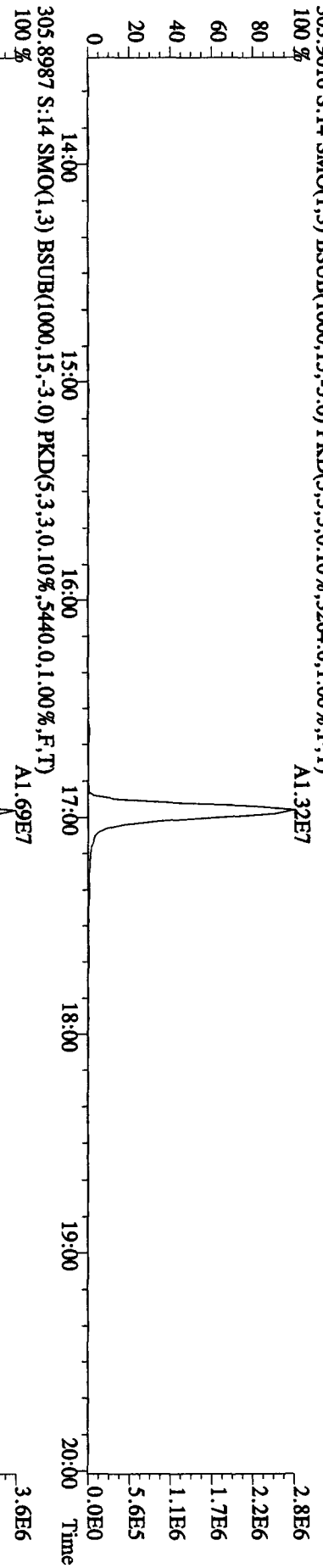
454,9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 36:17 36:47 37:03 37:18 37:34 37:53 38:04 38:16 38:38 38:51 39:19

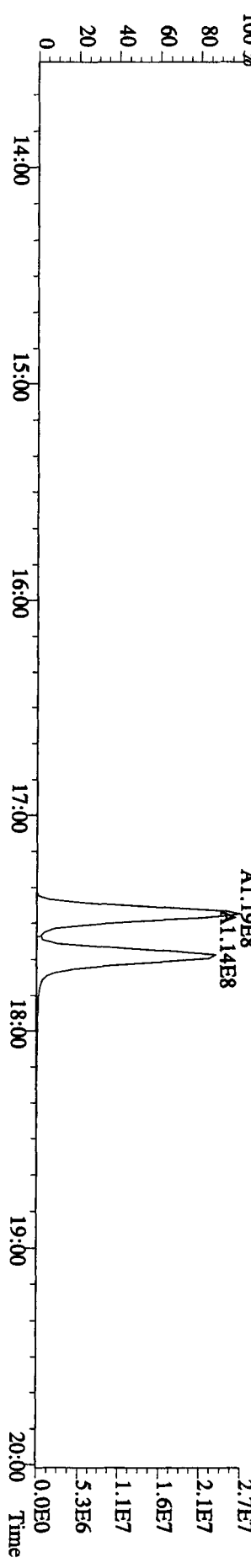
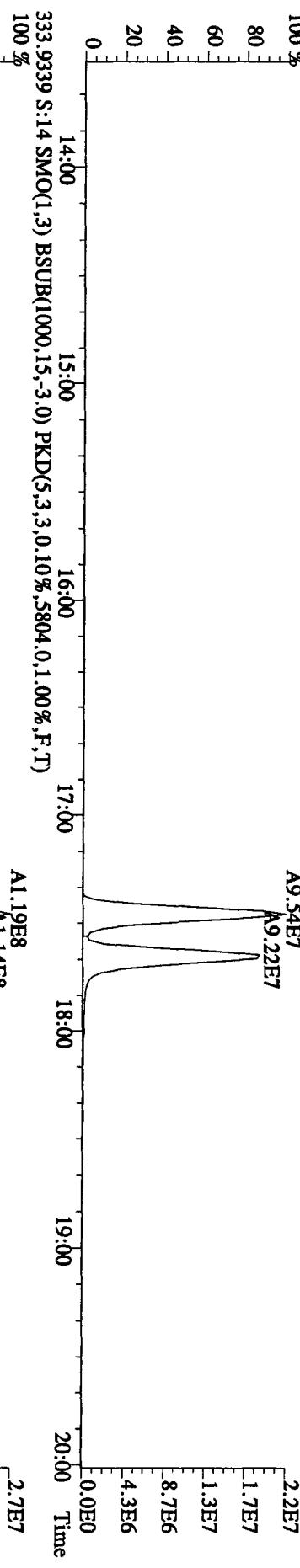
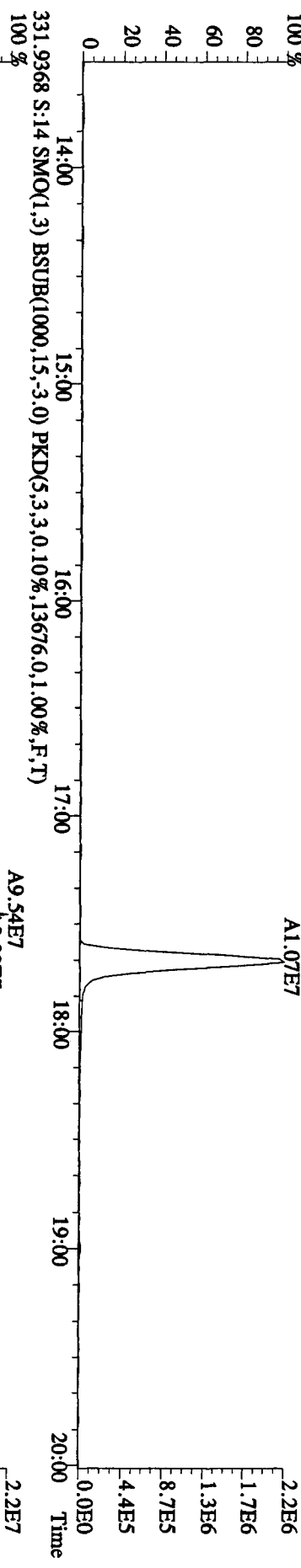
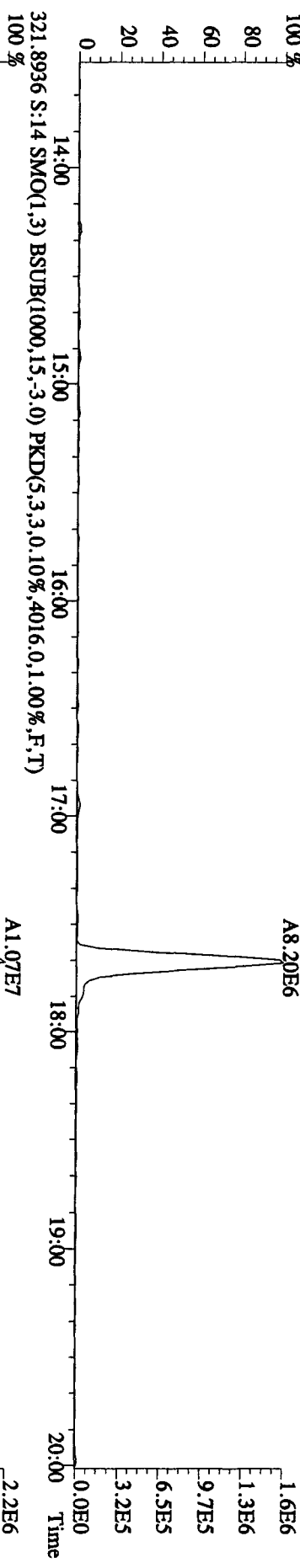


442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

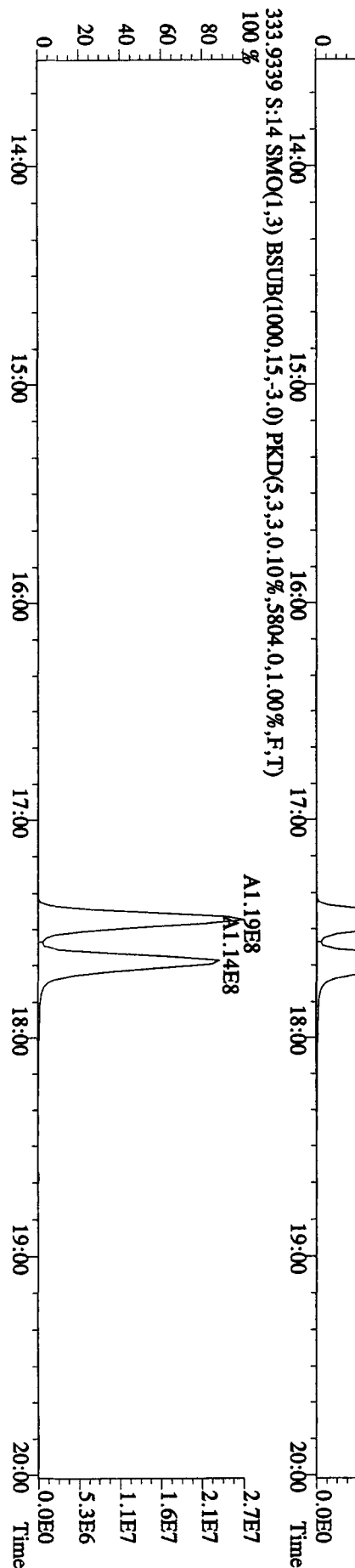
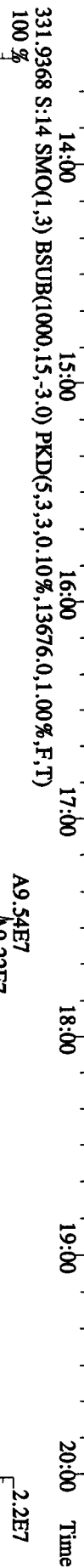
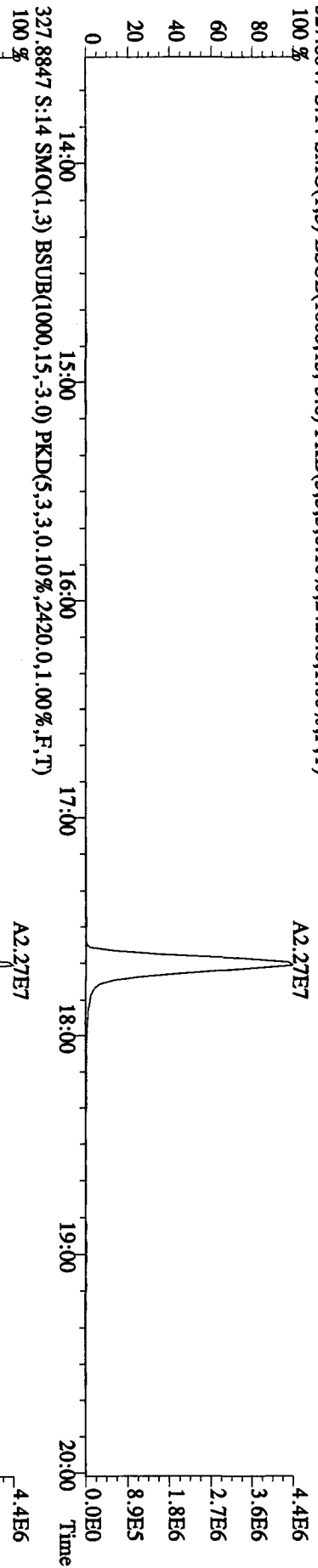
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3264.0,1.00%,F,T)
 100 % A1.32E7

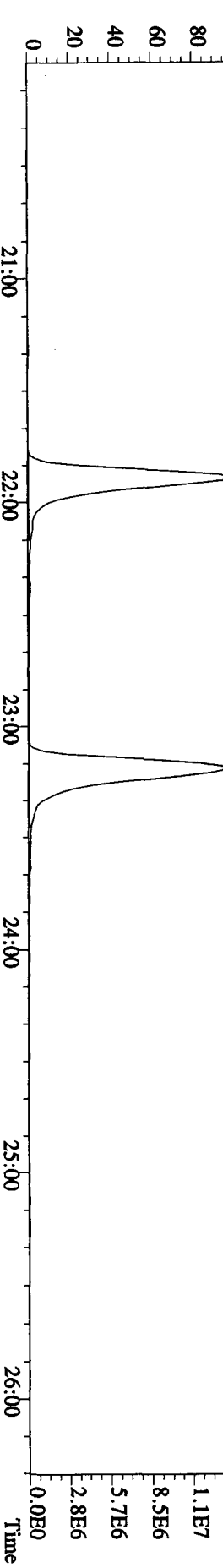
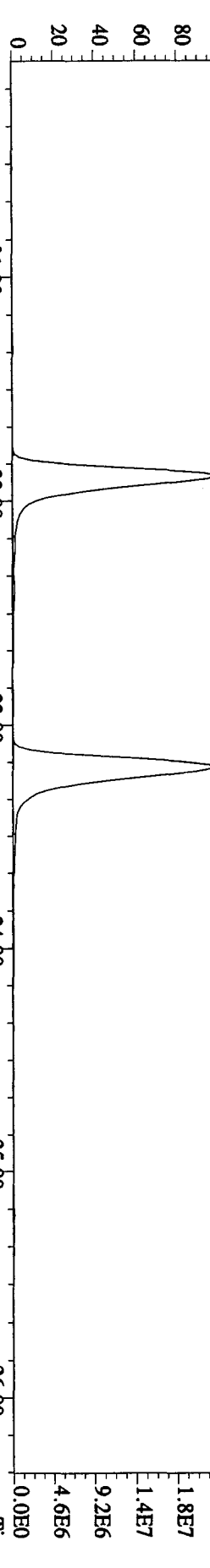
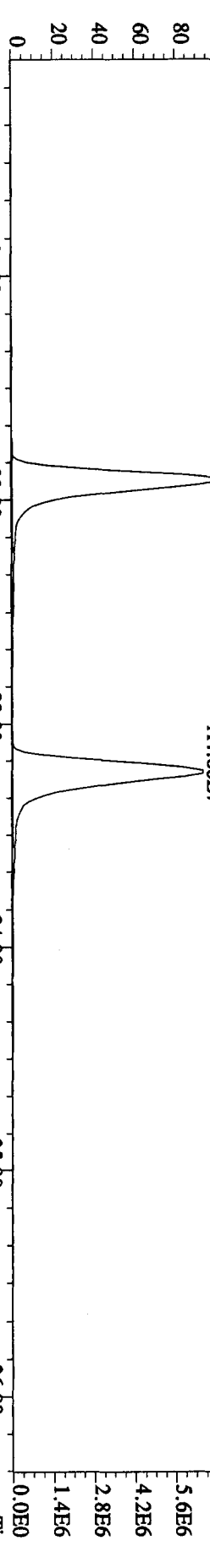
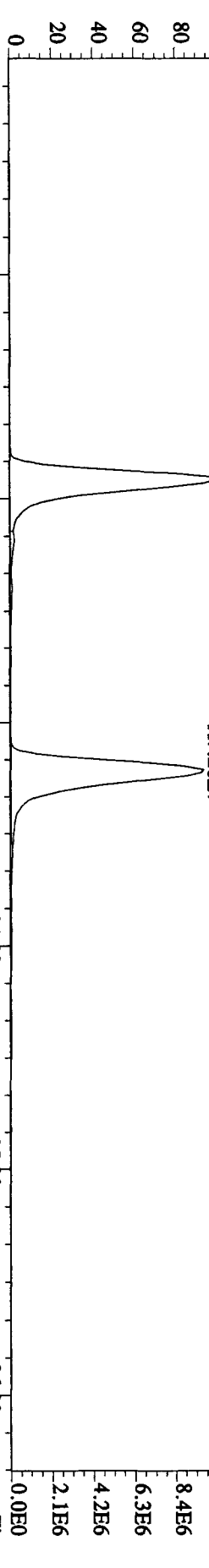


File: 26API010A1D5 #1-385 Acq: 27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text: ST0426C :CS3 10DXN111 Exp: DIOXIN
 319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)

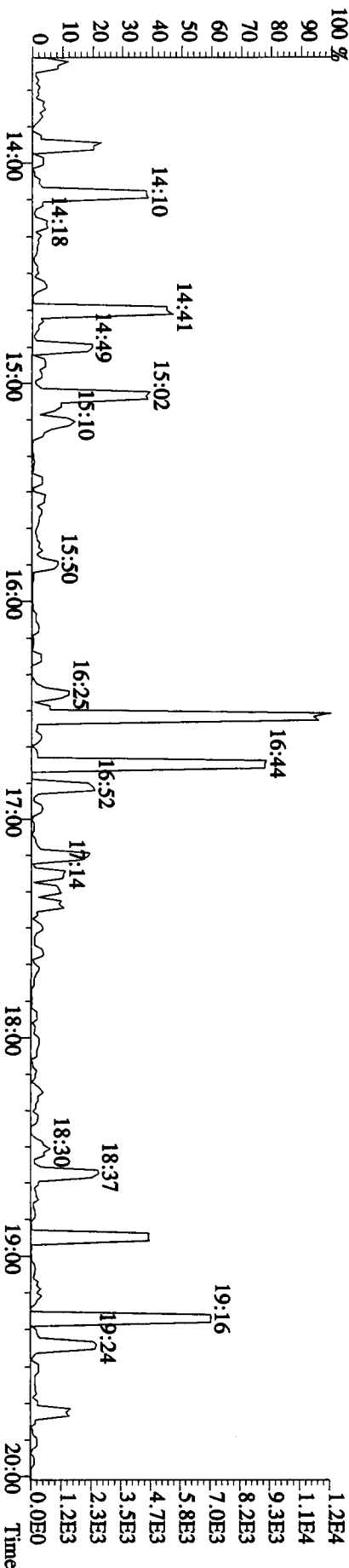
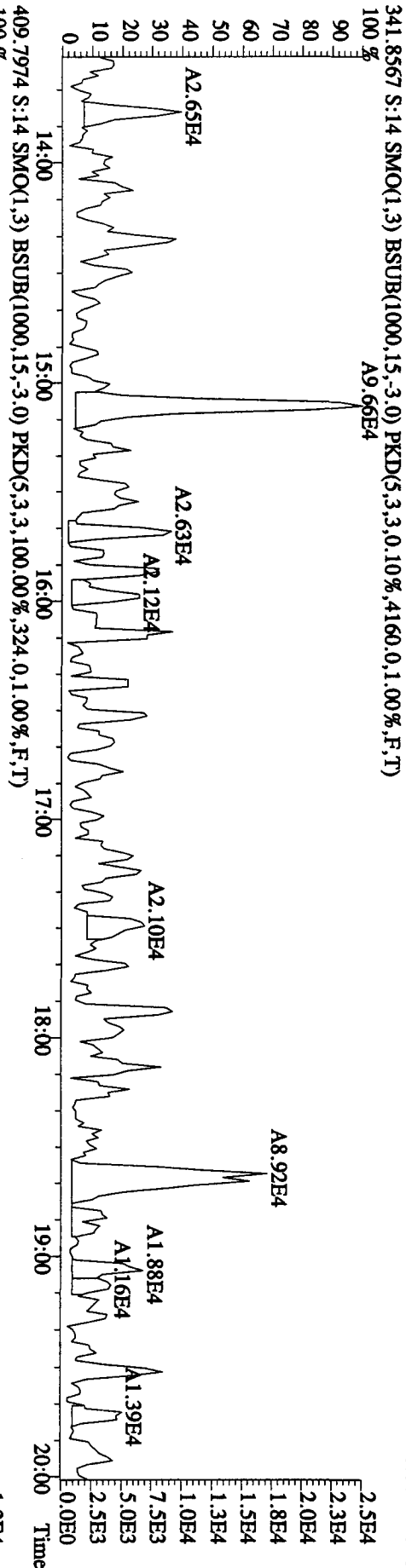
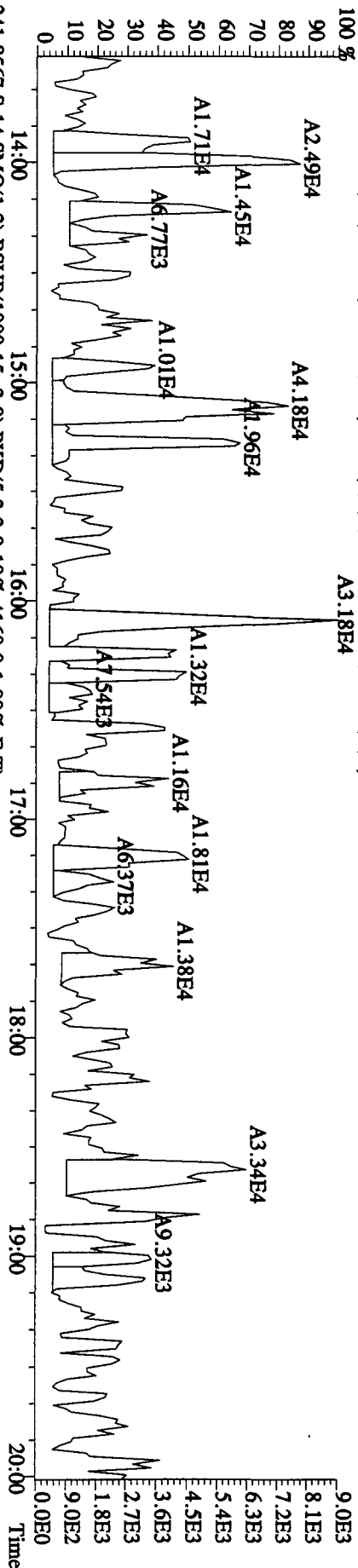


File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2420,0,1.00%,F,T)
100 %





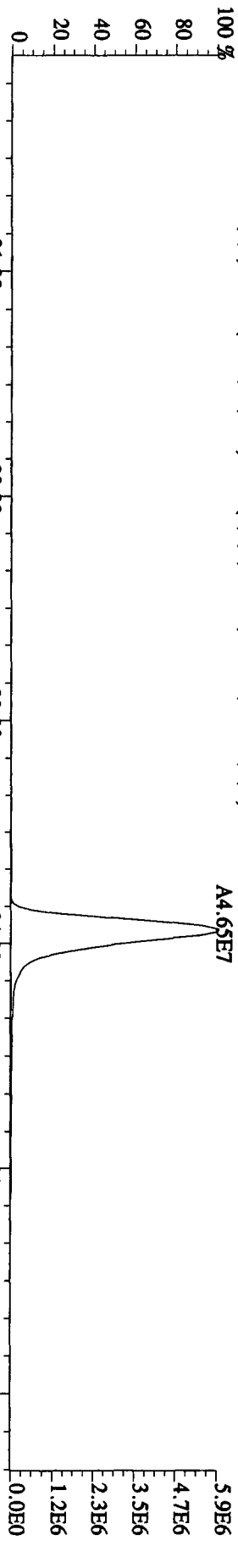
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 339.8597 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2068,0,1,00%,F,T)
 A3.18E4



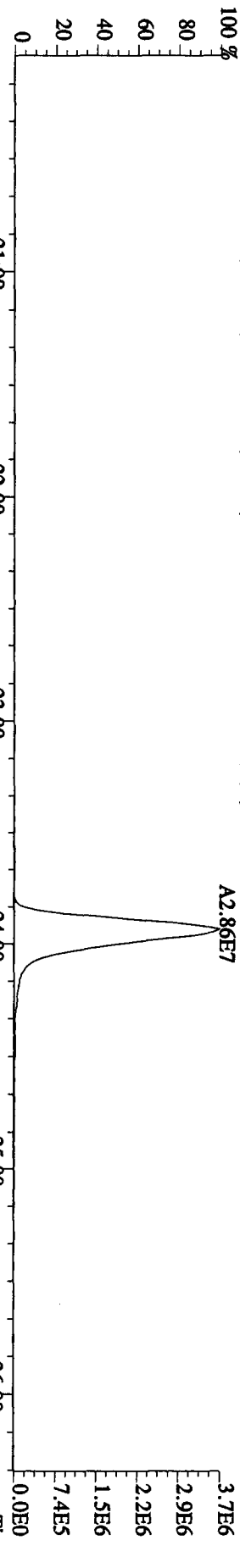
File:26AD10A1D5 #1-444 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

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

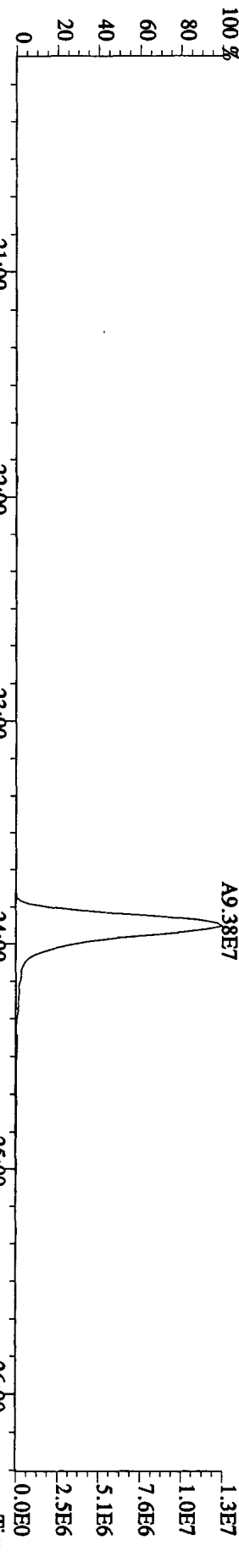
355.8546 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292.0,1.00%,F,T) 100%



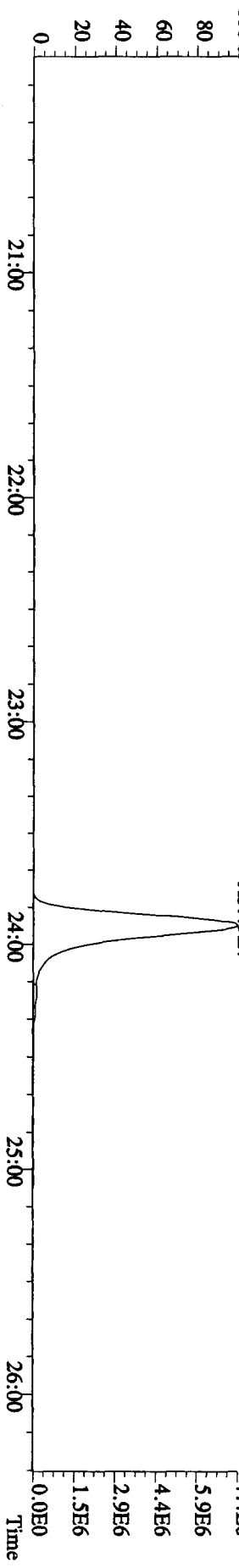
357.8516 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3712.0,1.00%,F,T) 100%

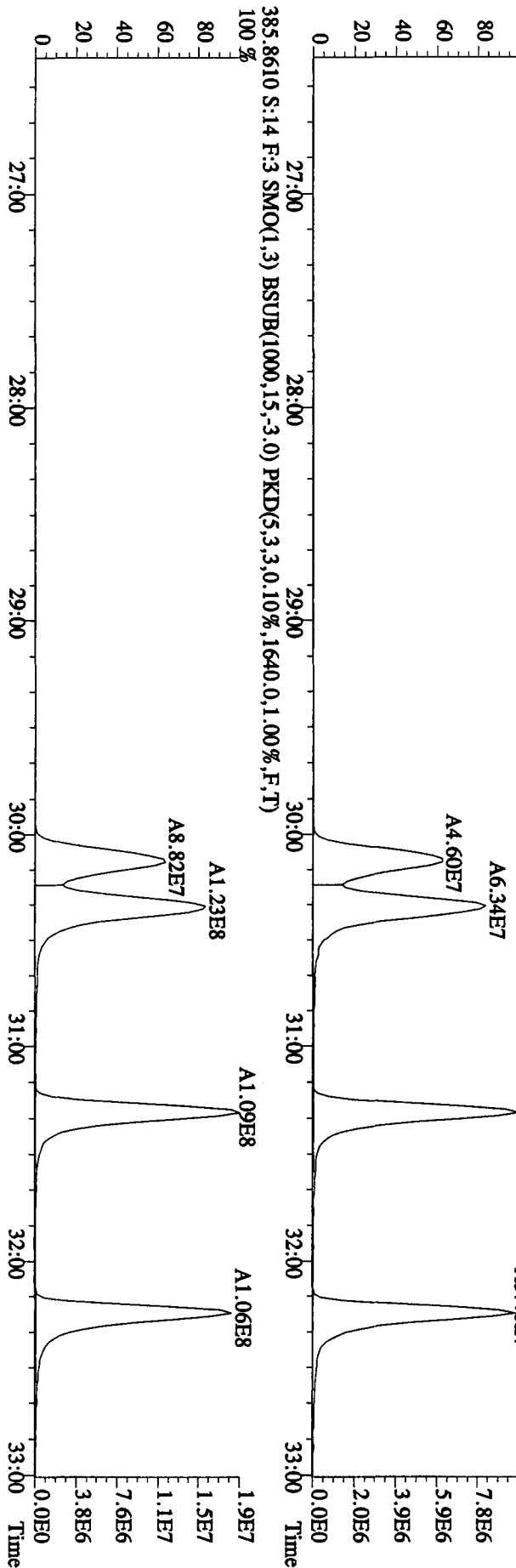
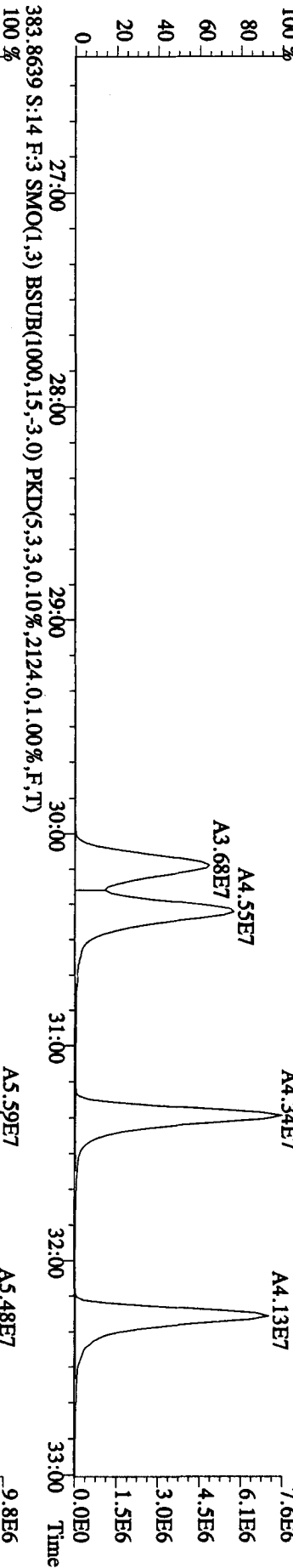
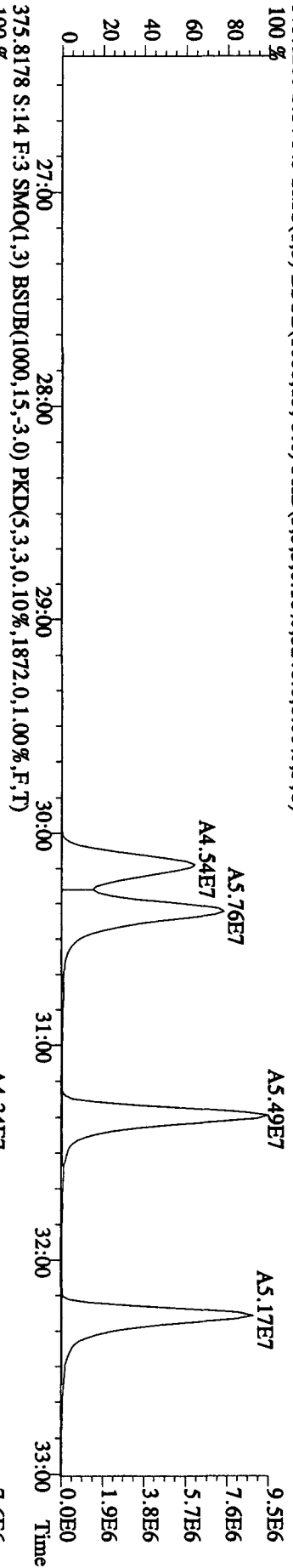


367.8949 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7868.0,1.00%,F,T) 100%

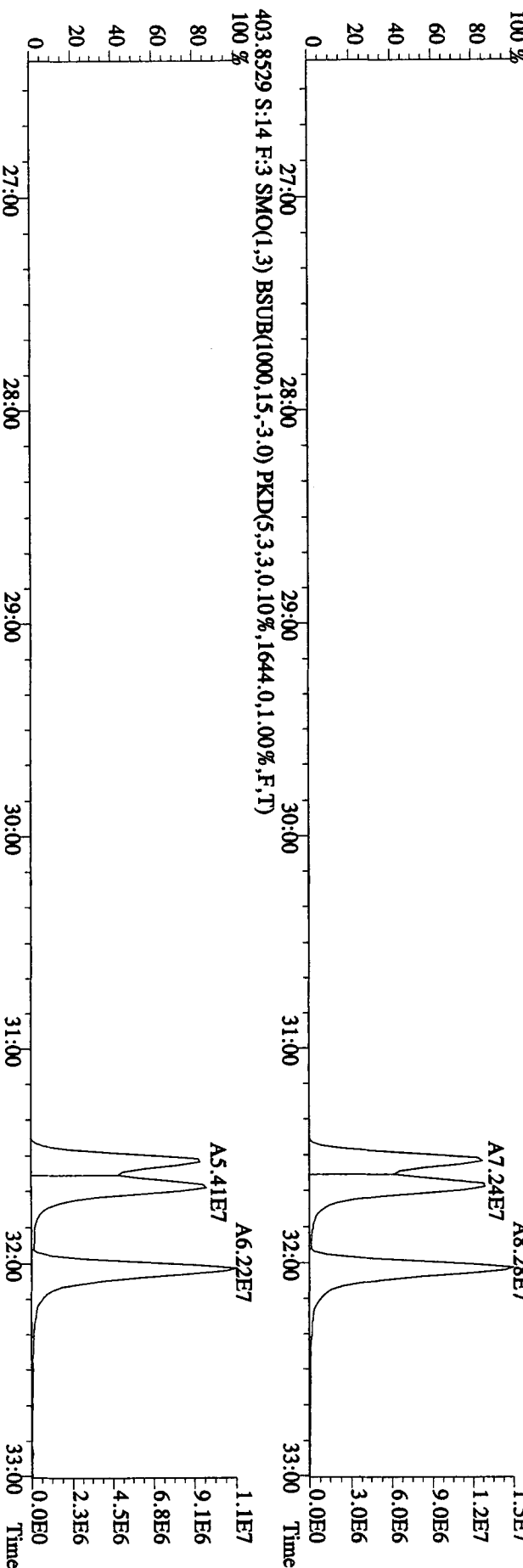
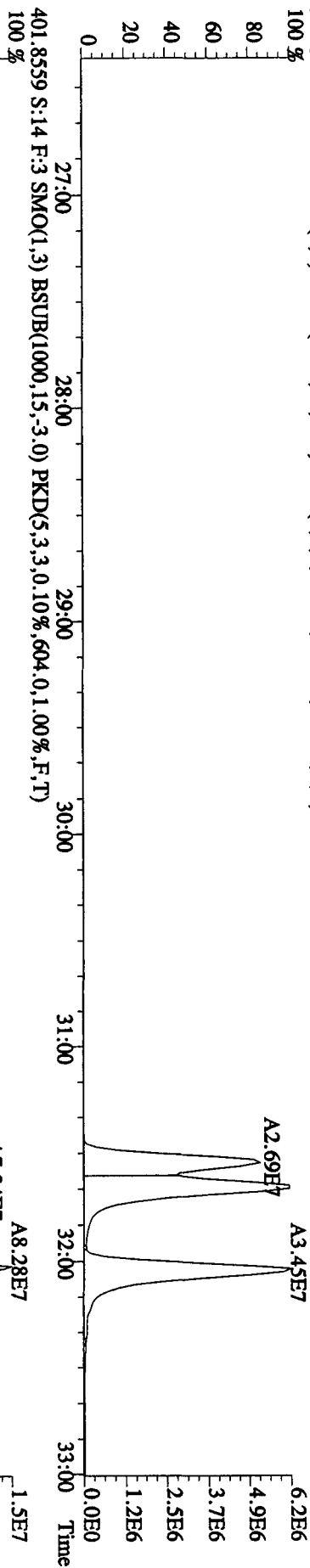
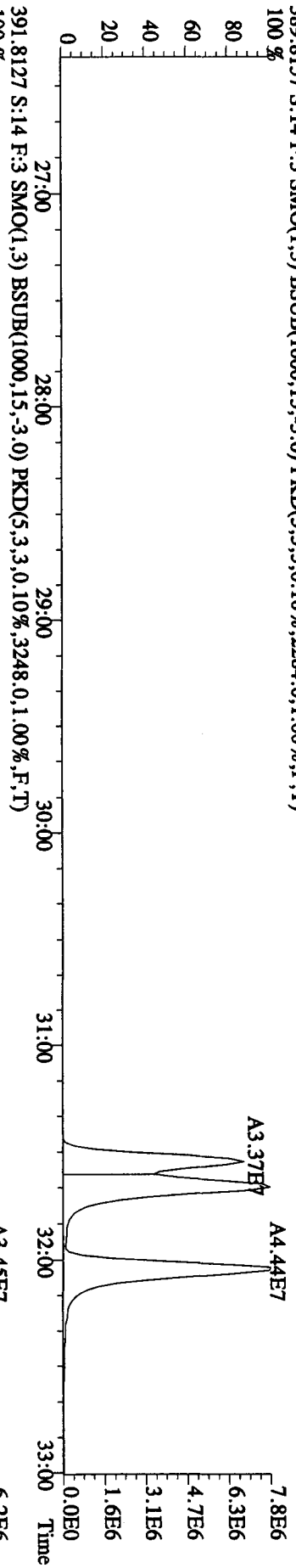


369.8919 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,776.0,1.00%,F,T) 100%

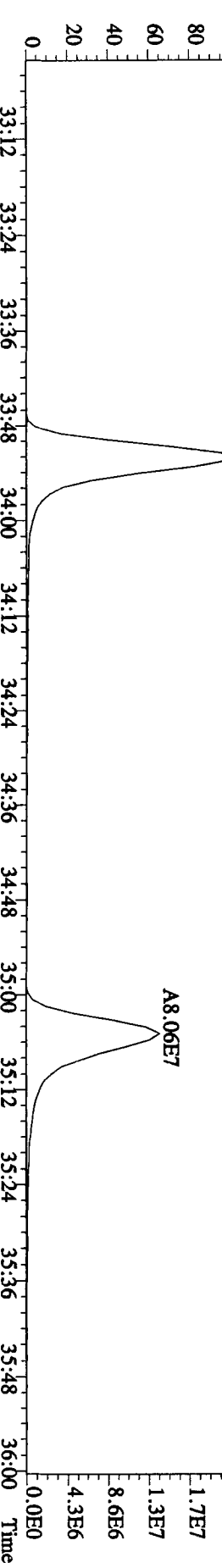
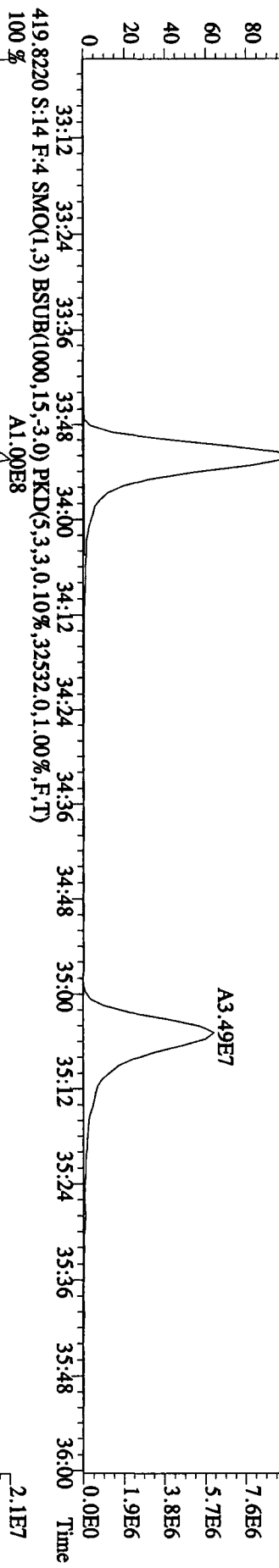
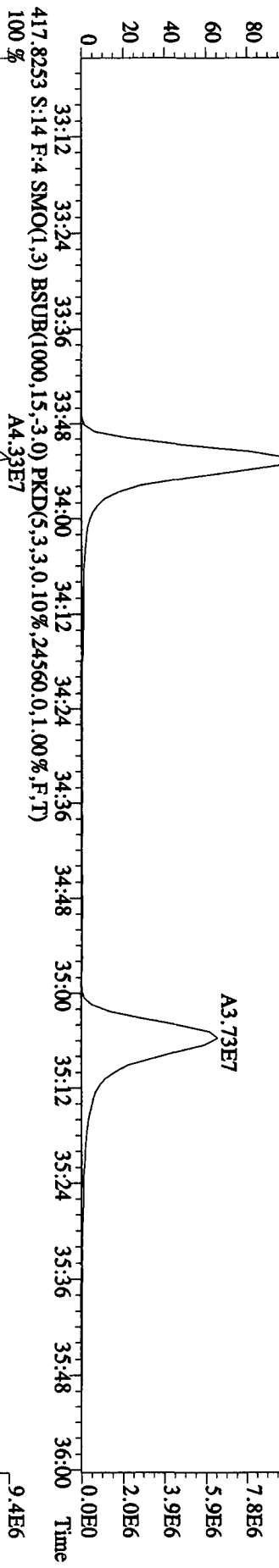
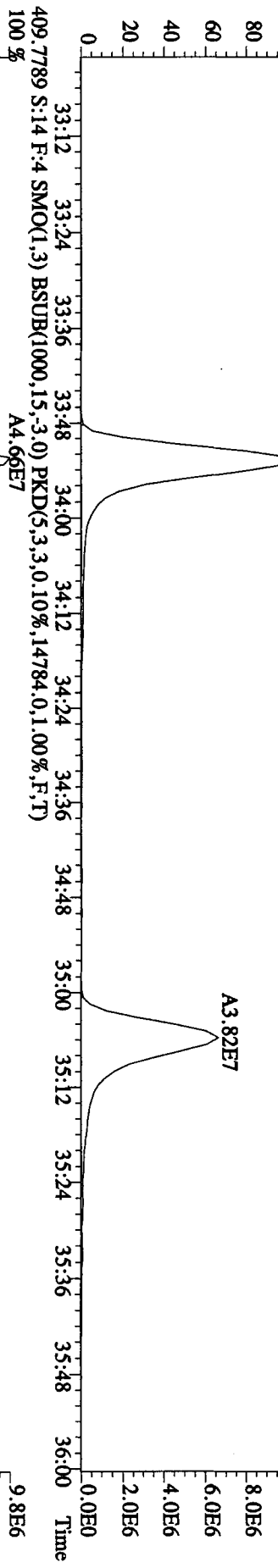




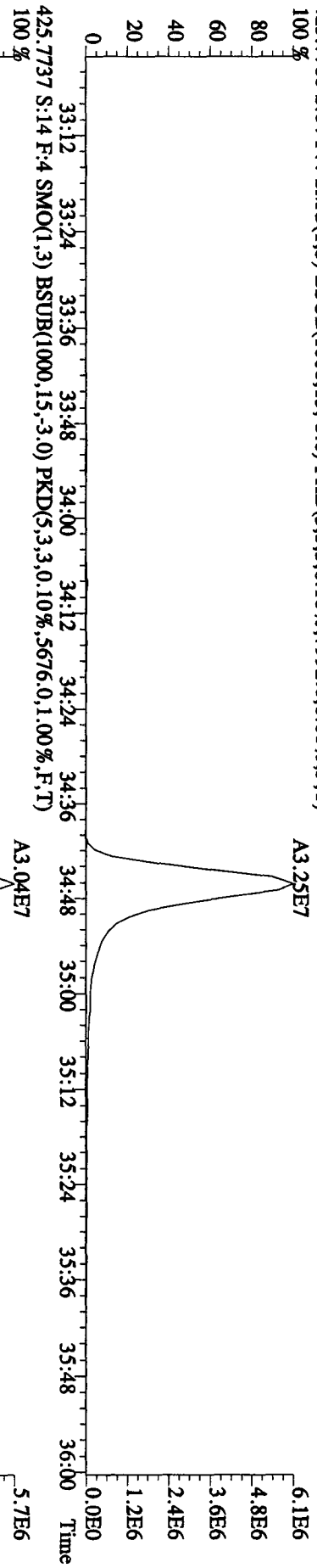
File:26AP10A1D5 #1-447 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)
 100 %



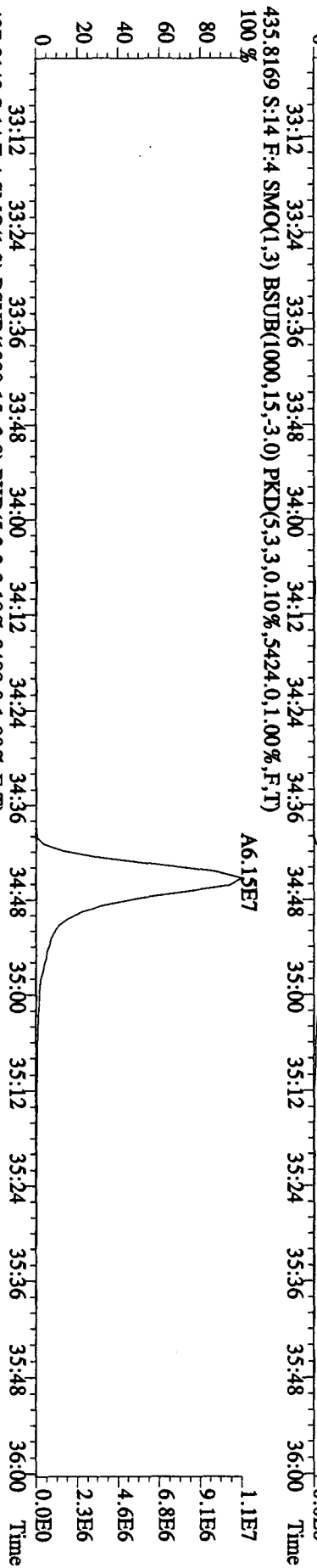
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T)
100% A4.86E7



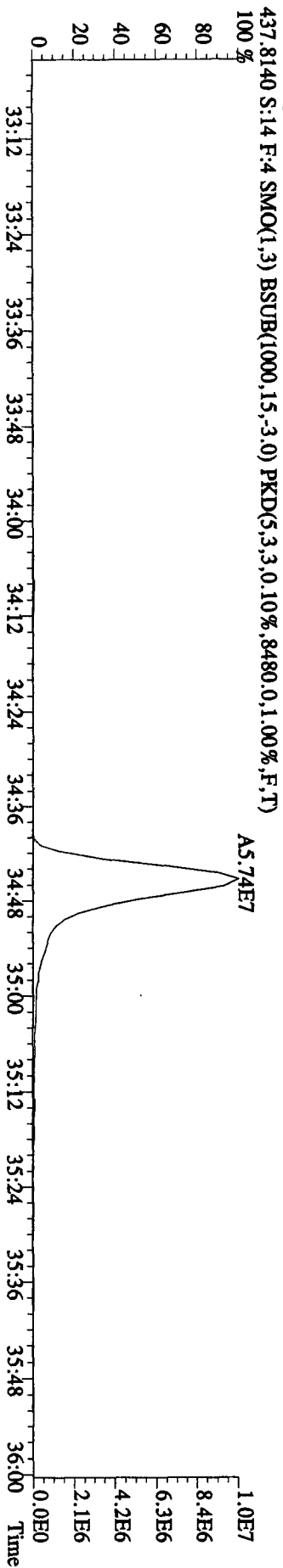
File:26API0AID5 #1-210 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
423.7737 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.7992,0.1,0.00%,F,T)
100 %



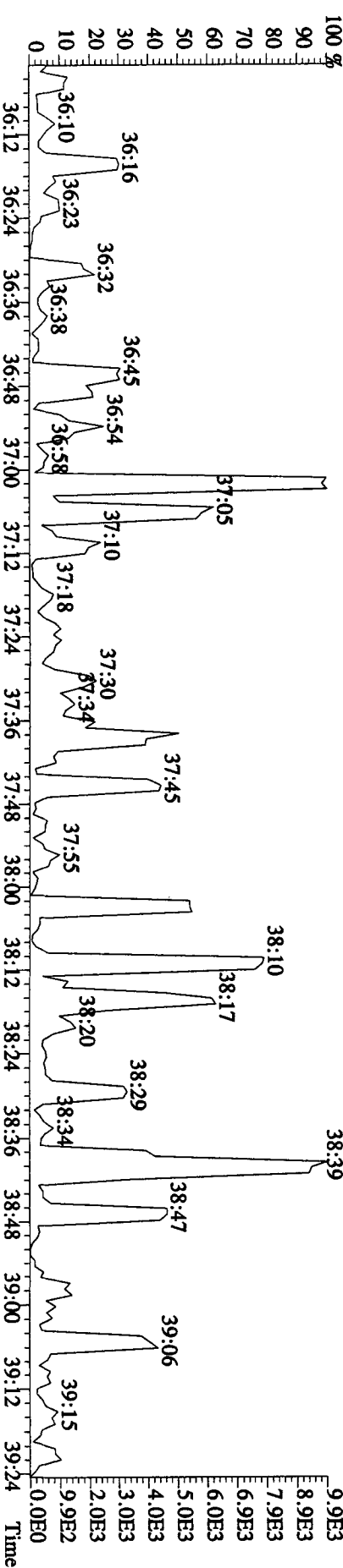
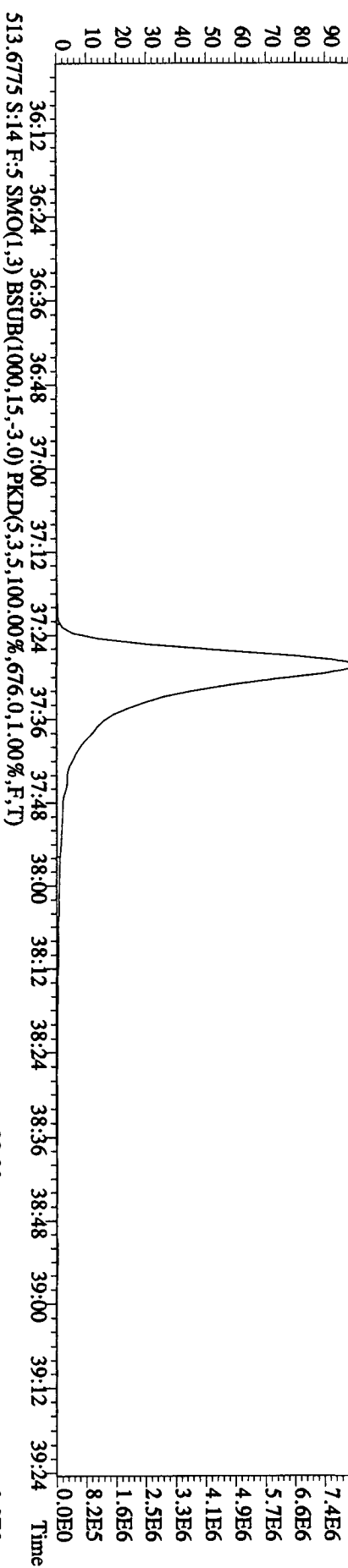
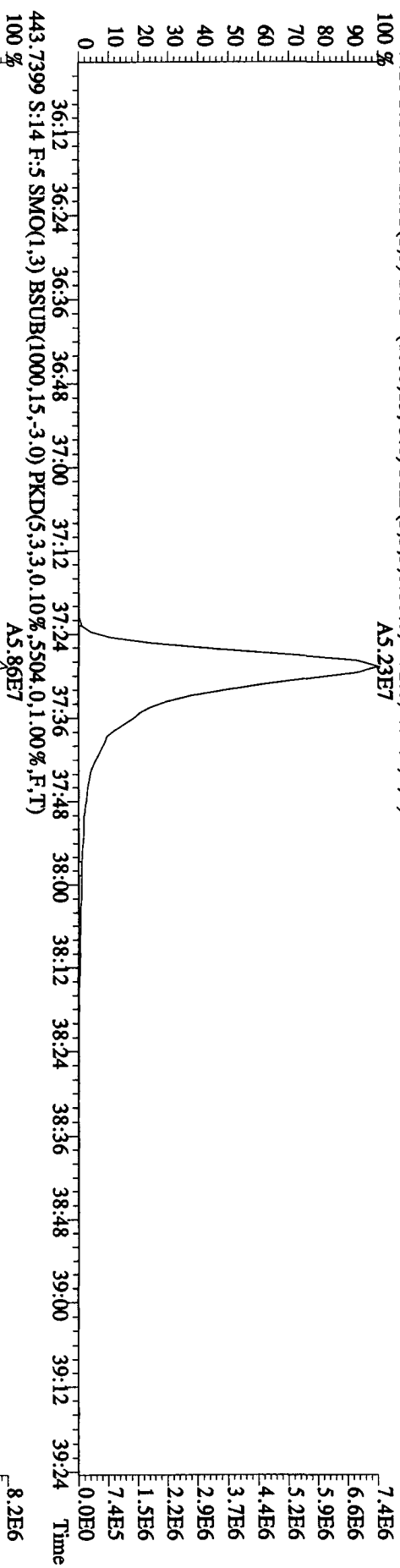
425.7737 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5676,0.1,0.00%,F,T)
100 %



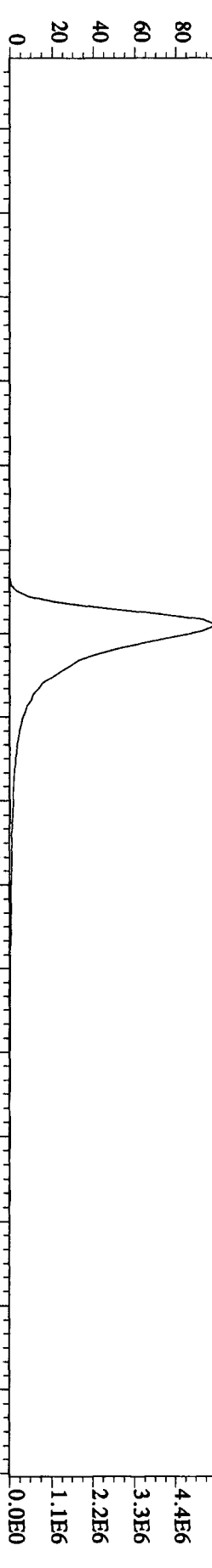
437.8140 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.8480,0.1,0.00%,F,T)
100 %



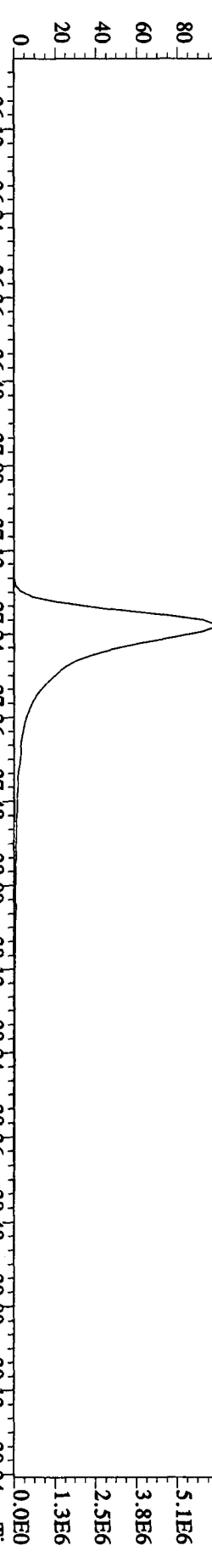
File:26AP10AID5 #1-244 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)
 A5.23E7



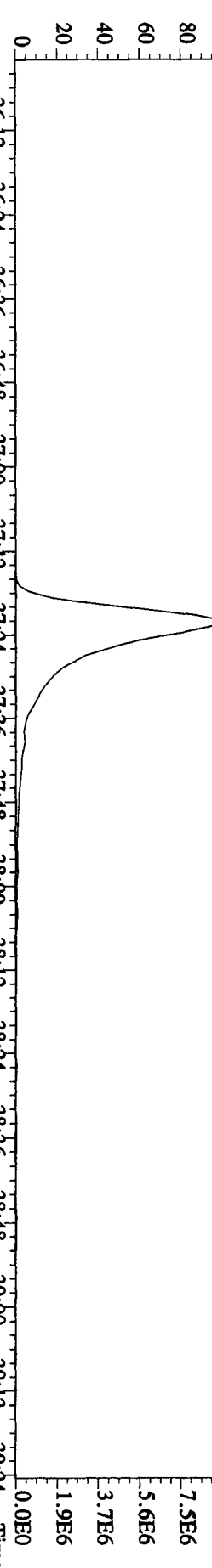
File:26AP10A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 457.7377 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4.932,0.1,00%,F,T)
 100% A4.04E7



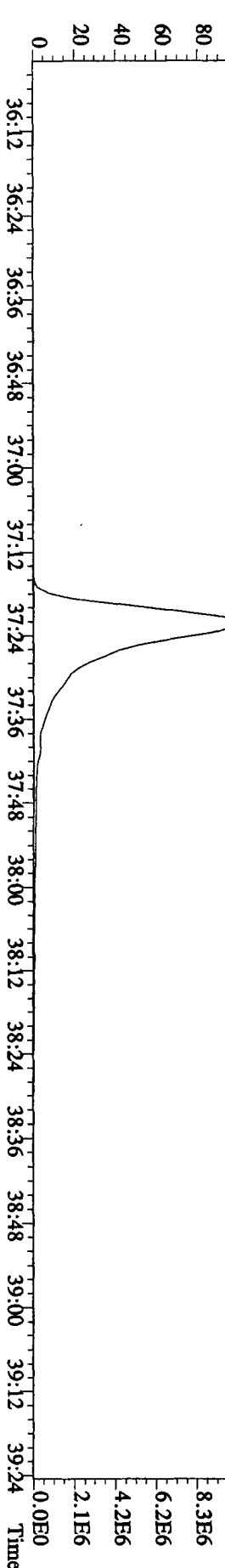
459.7348 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5.388,0.1,00%,F,T)
 100% A4.55E7

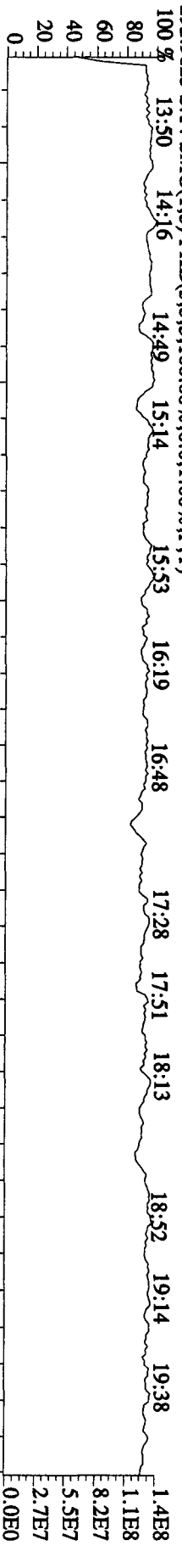


469.7779 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12368,0.1,00%,F,T)
 100% A6.75E7

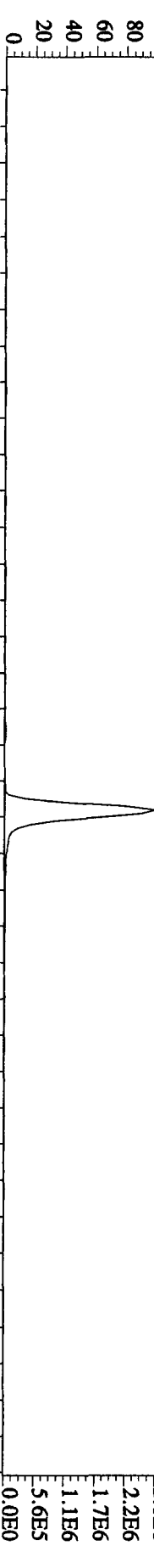


471.7750 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9316,0.1,00%,F,T)
 100% A7.53E7

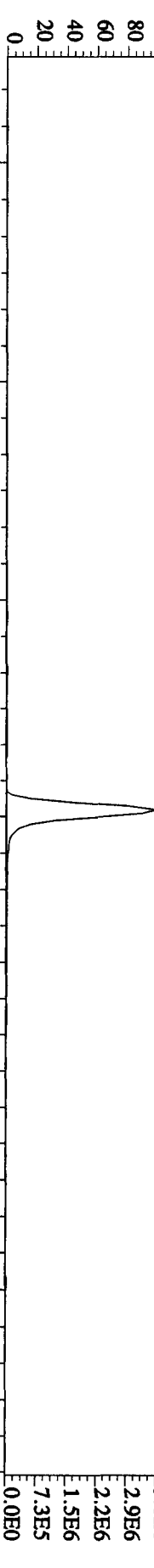




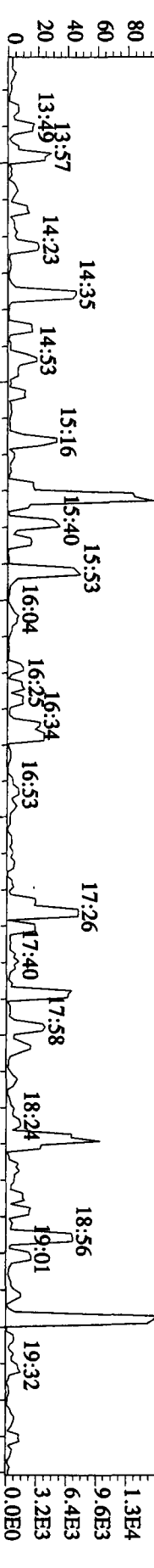
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3264,0,1.00%,F,T)
 1.4E8
 1.1E8
 8.2E7
 5.5E7
 2.7E7
 0.0E0



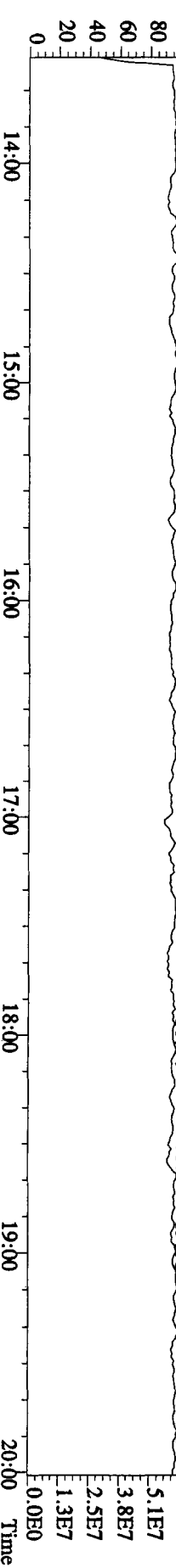
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5440,0,1.00%,F,T)
 3.6E6
 2.9E6
 2.2E6
 1.5E6
 7.3E5
 0.0E0



375.8364 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,628,0,1.00%,F,T)
 1.6E4
 1.3E4
 9.6E3
 6.4E3
 3.2E3
 0.0E0



330.9792 S:14 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 6.3E7
 5.1E7
 3.8E7
 2.5E7
 1.3E7
 0.0E0



File:26API0A1D5 #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)

100 % 20:26 21:06 21:28

22:16

23:01

23:24

23:55

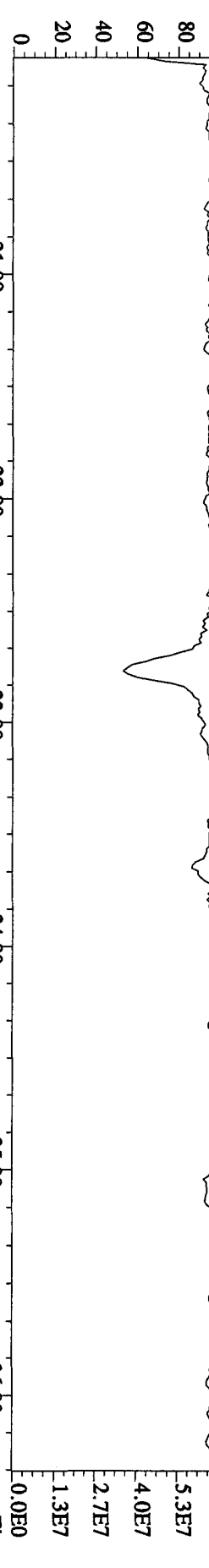
24:38

25:11

25:46

26:07

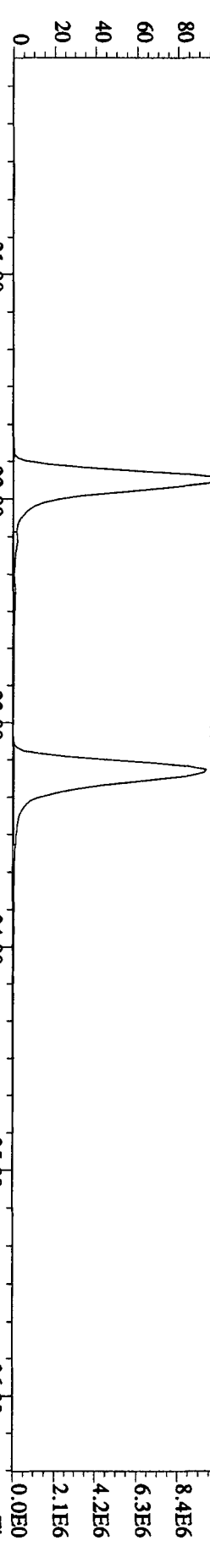
6.7E7



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)

A6.97E7

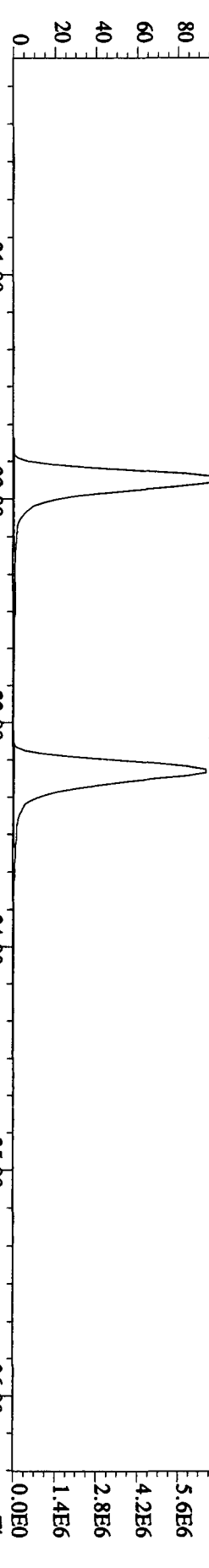
A7.20E7



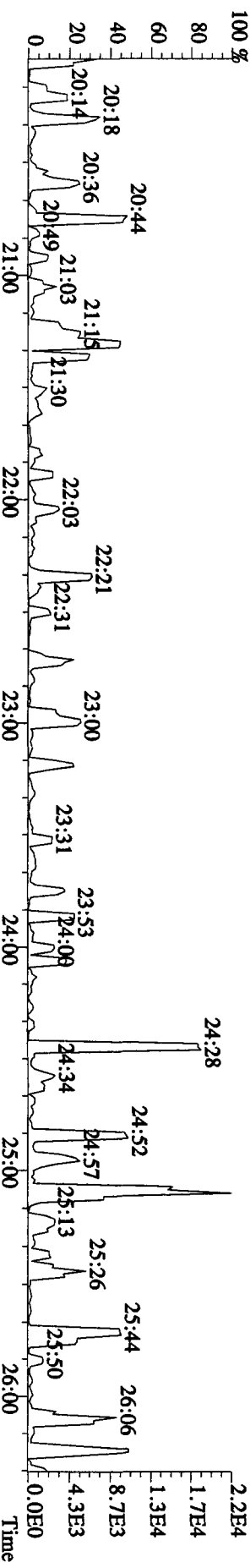
341.8567 S:14 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,7388.0,1.00%,F,T)

A4.63E7

A4.68E7

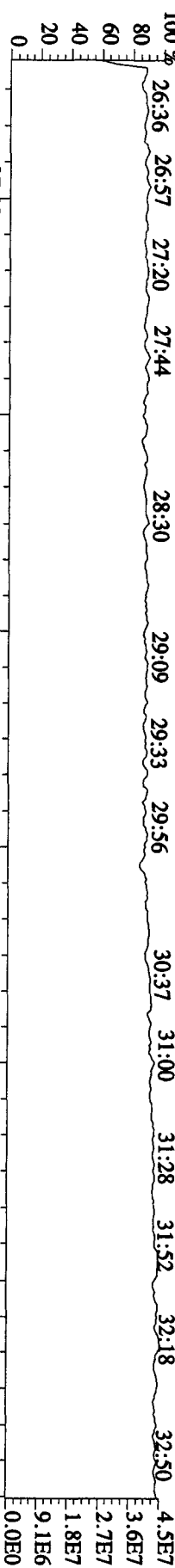


409.7974 S:14 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,452.0,1.00%,F,T)

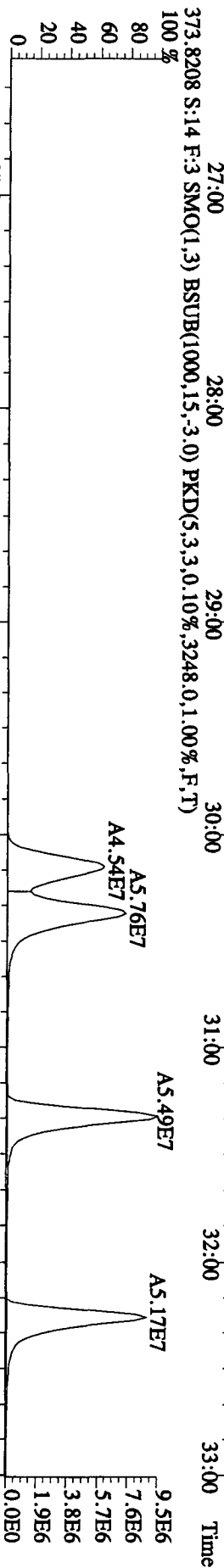


Sample#14 Text:ST0426C :CS3 10DXN111

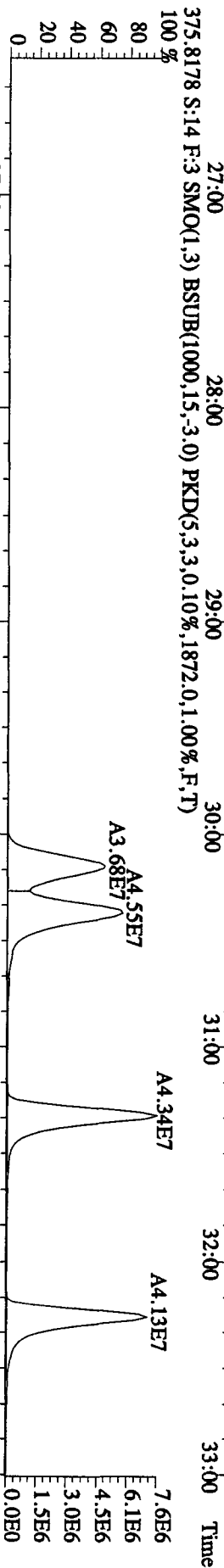
392.9760 S:14 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



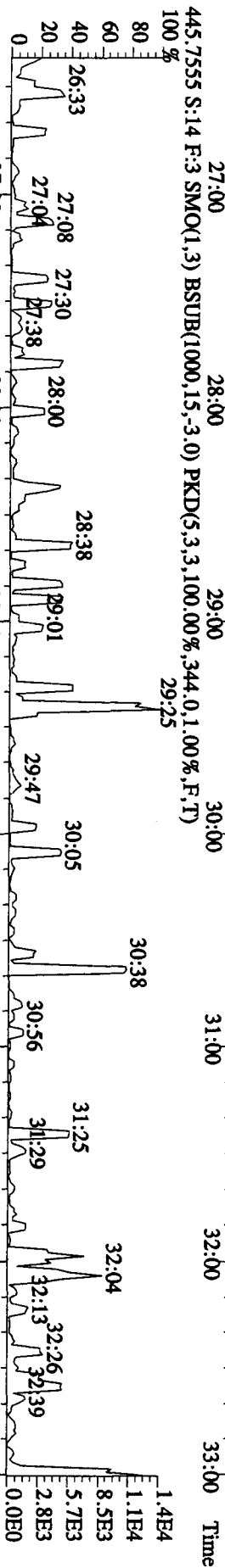
373.8208 S:14 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,3248,0.1,0.00%,F,T)



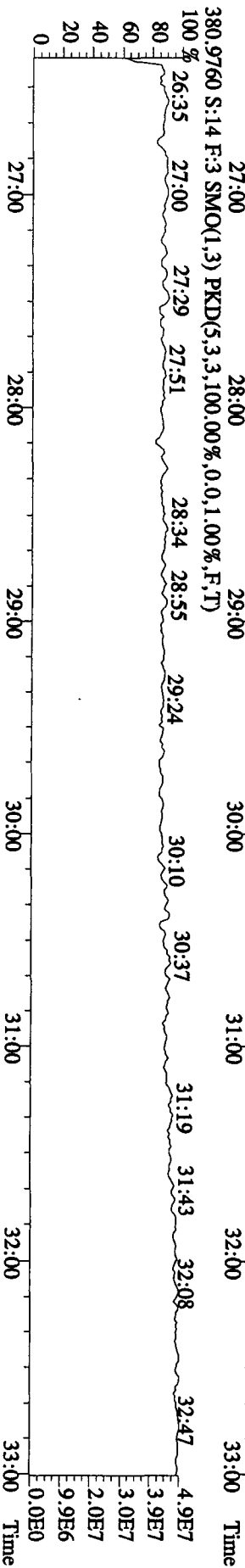
375.8178 S:14 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,1872,0.1,0.00%,F,T)



445.7555 S:14 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,344,0.1,0.00%,F,T)

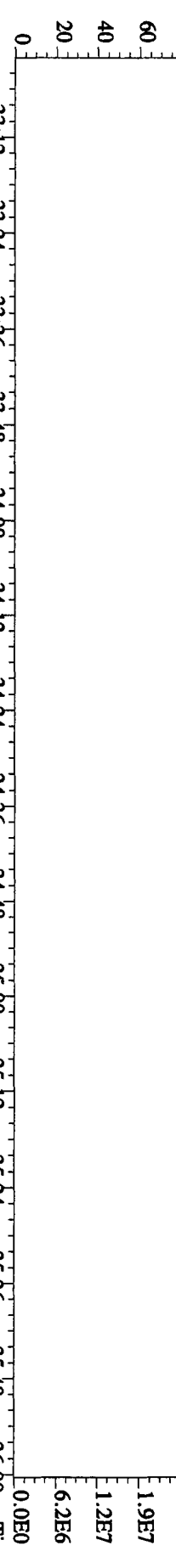


380.9760 S:14 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

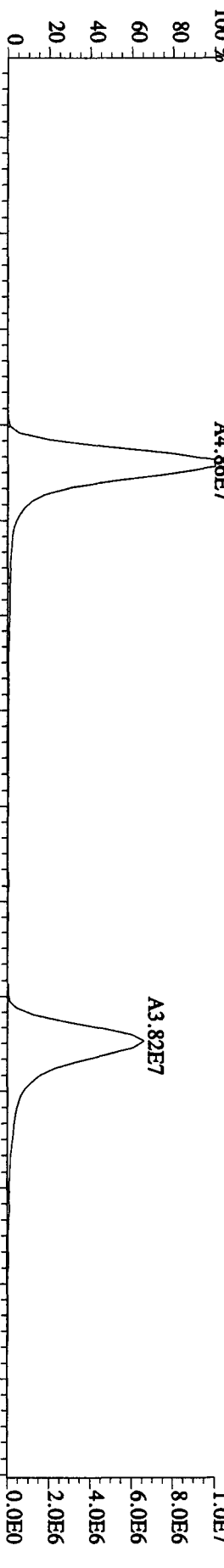


Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

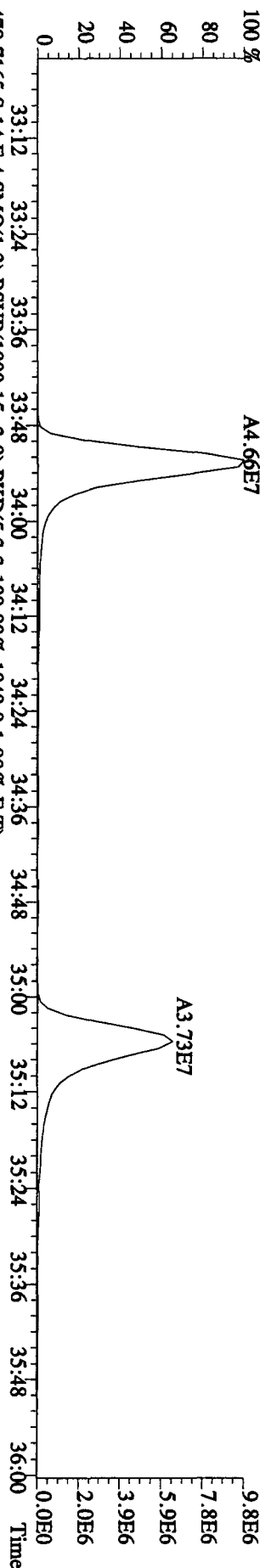
430.9728 S:14 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



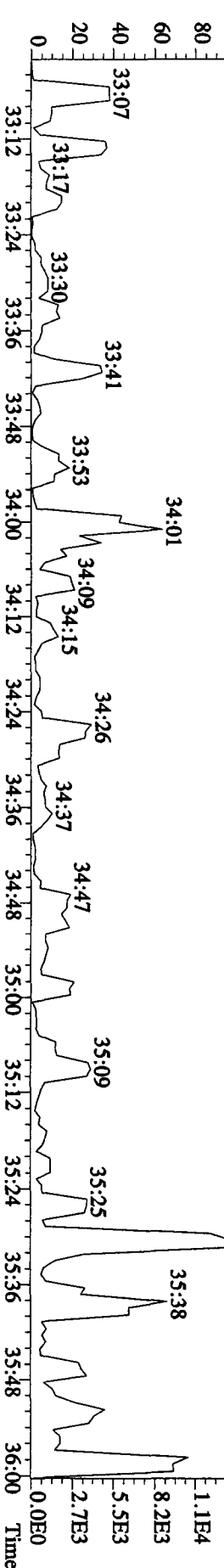
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T)



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)



479.7165 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1048.0,1.00%,F,T)



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

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

454.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 36:16 36:32 36:49 37:07 37:21

36:12 36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24

36:10 36:25 36:47 37:05 37:30 37:41 37:55 38:16 38:38 38:56 39:19

3.0E7 2.7E7 2.4E7 2.1E7 1.8E7 1.5E7 1.2E7 8.9E6 5.9E6 3.0E6

0.0E0

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Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Initial Calibration Checklist Dioxin Methods

ICAL ID (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, 09DXN456

GC Program DB225

Multiplier Setting 750

Analyzed By M.G.

Date Analyzed 4/21/10

Prepared By M.G.

Date Prepared 4/21/10

Reviewed By M.G.

Date Reviewed 4/23/10

	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	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: 21API05D2 Analyte: DE225 Cal: DE2250421105D2

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

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 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	2.674	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
37C1-2,3,7,8-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:

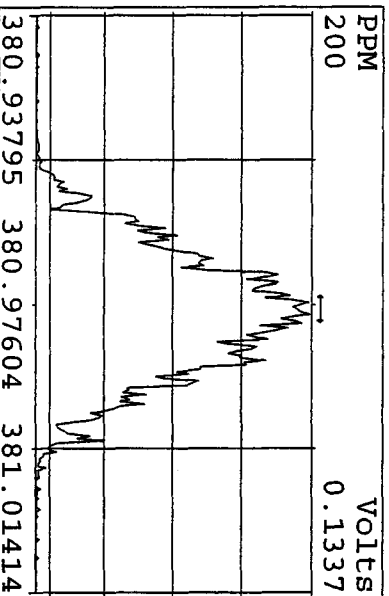
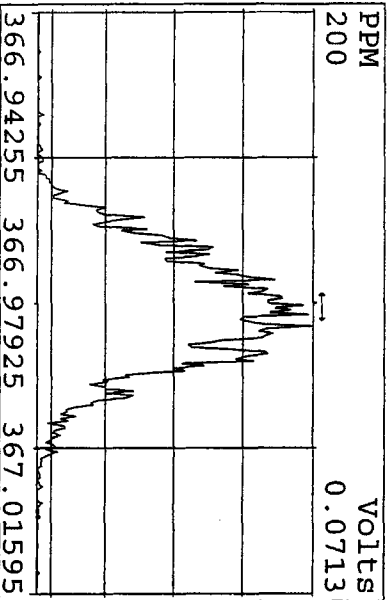
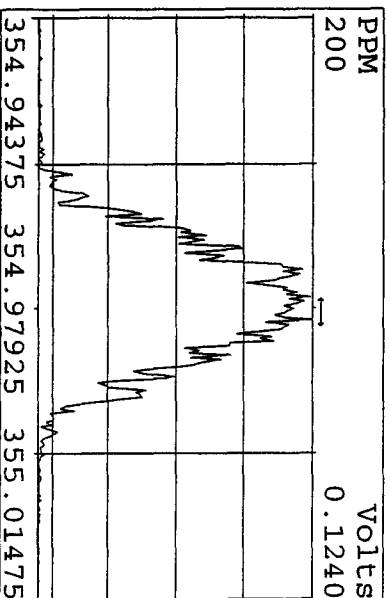
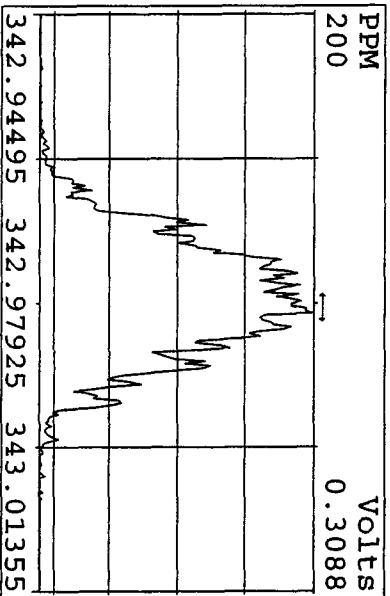
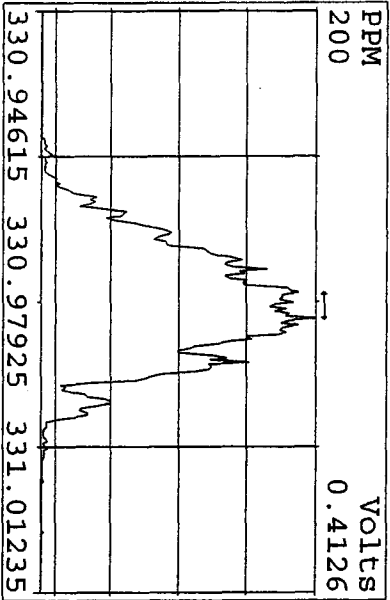
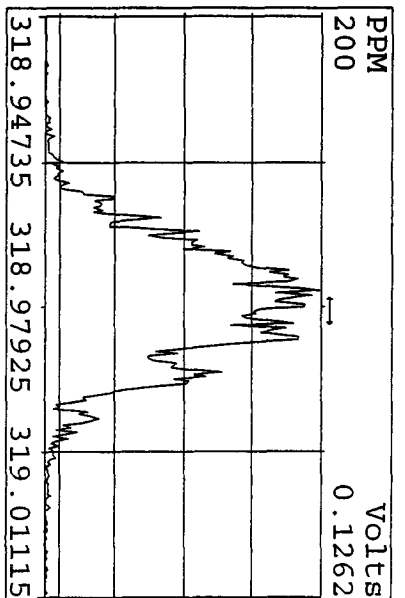
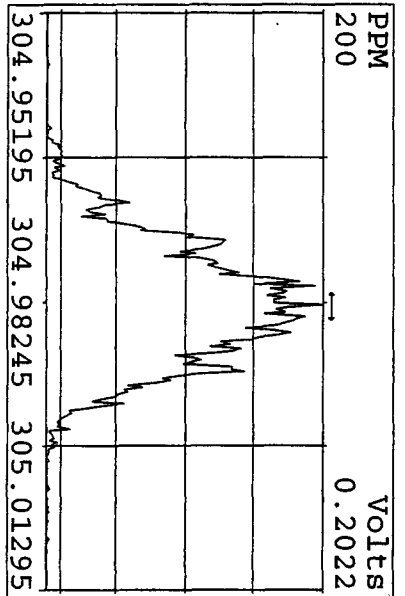
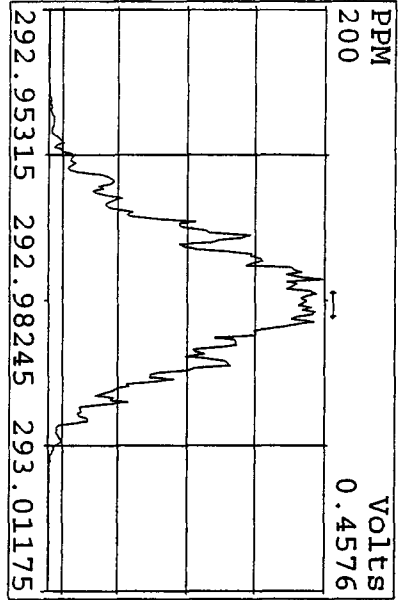
Sample text: ST0421J :CS5 09DXN456

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
37C1-2,3,7,8-TCDD	456866000	1.00 y	14:46	2.369	200.00	n

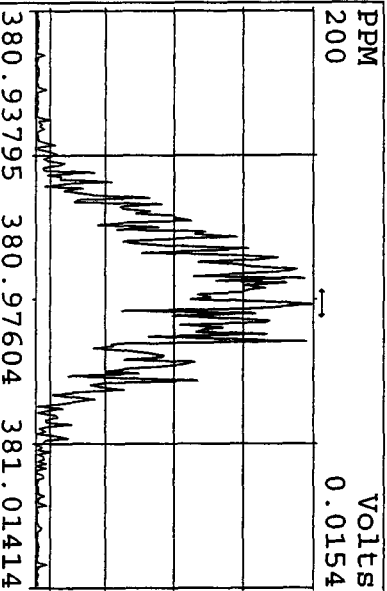
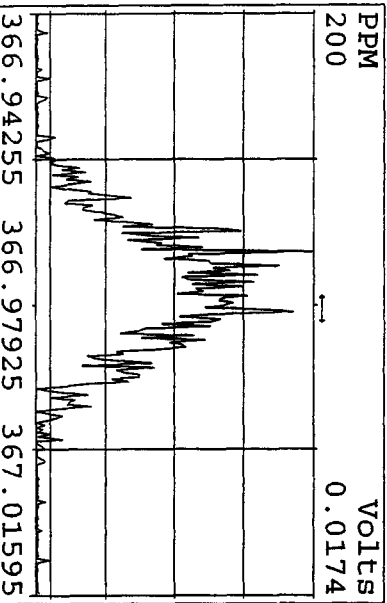
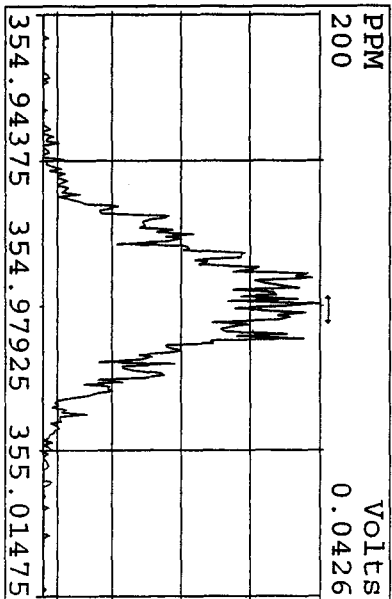
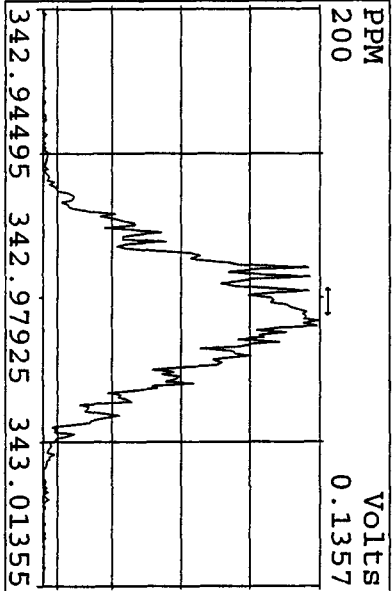
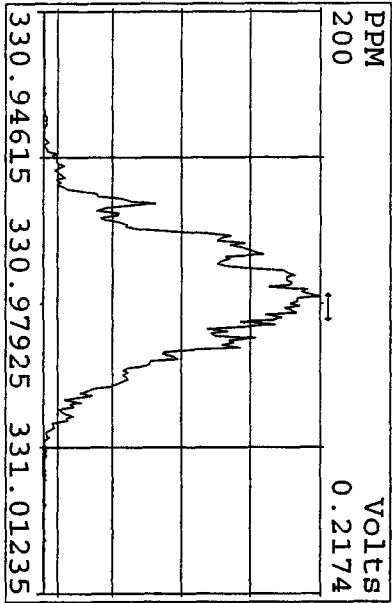
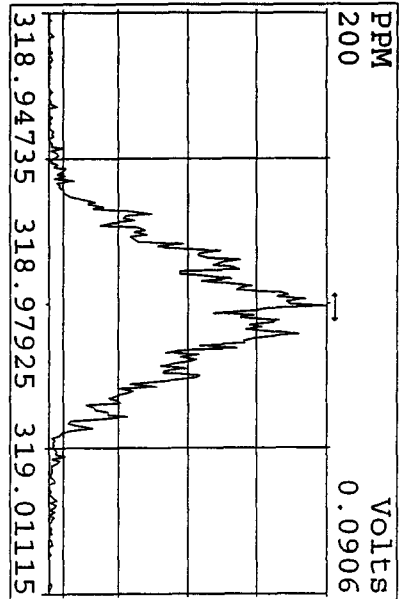
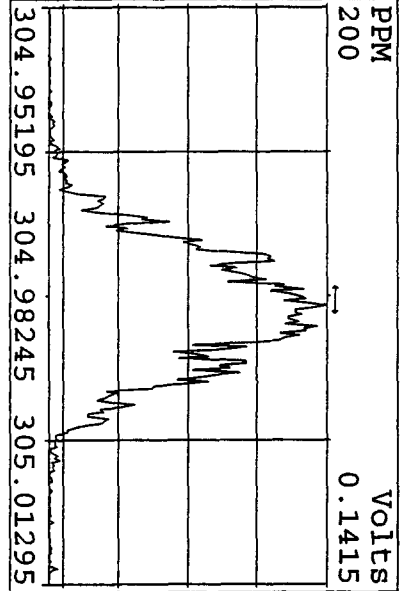
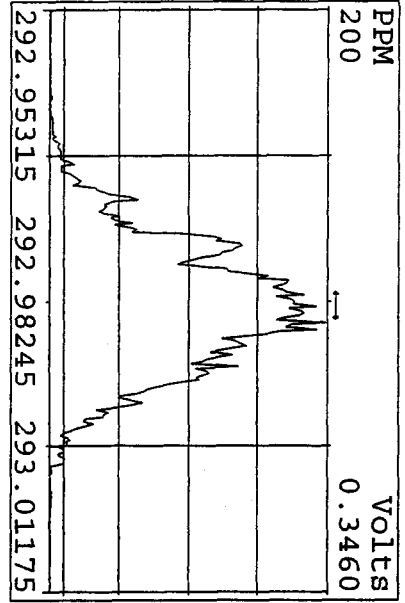
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21AP105D2	1	ST0421	CS3 10DXN111				1.000	
21AP105D2	2	CP0421	DB-225 CPSM 3732-06				1.000	
21AP105D2	3	SB0421	Solvent Blank C-14				1.000	
21AP105D2	4	LXTRR-1-AC	A0D120411-1	20	8290/SOLID	70	10.060 g	
21AP105D2	5	SB0421A	Solvent Blank 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	
21AP105D2	20						1.000	
21AP105D2	21		MG 04/21/10				1.000	

*log file checked
4-22-10
SMA*

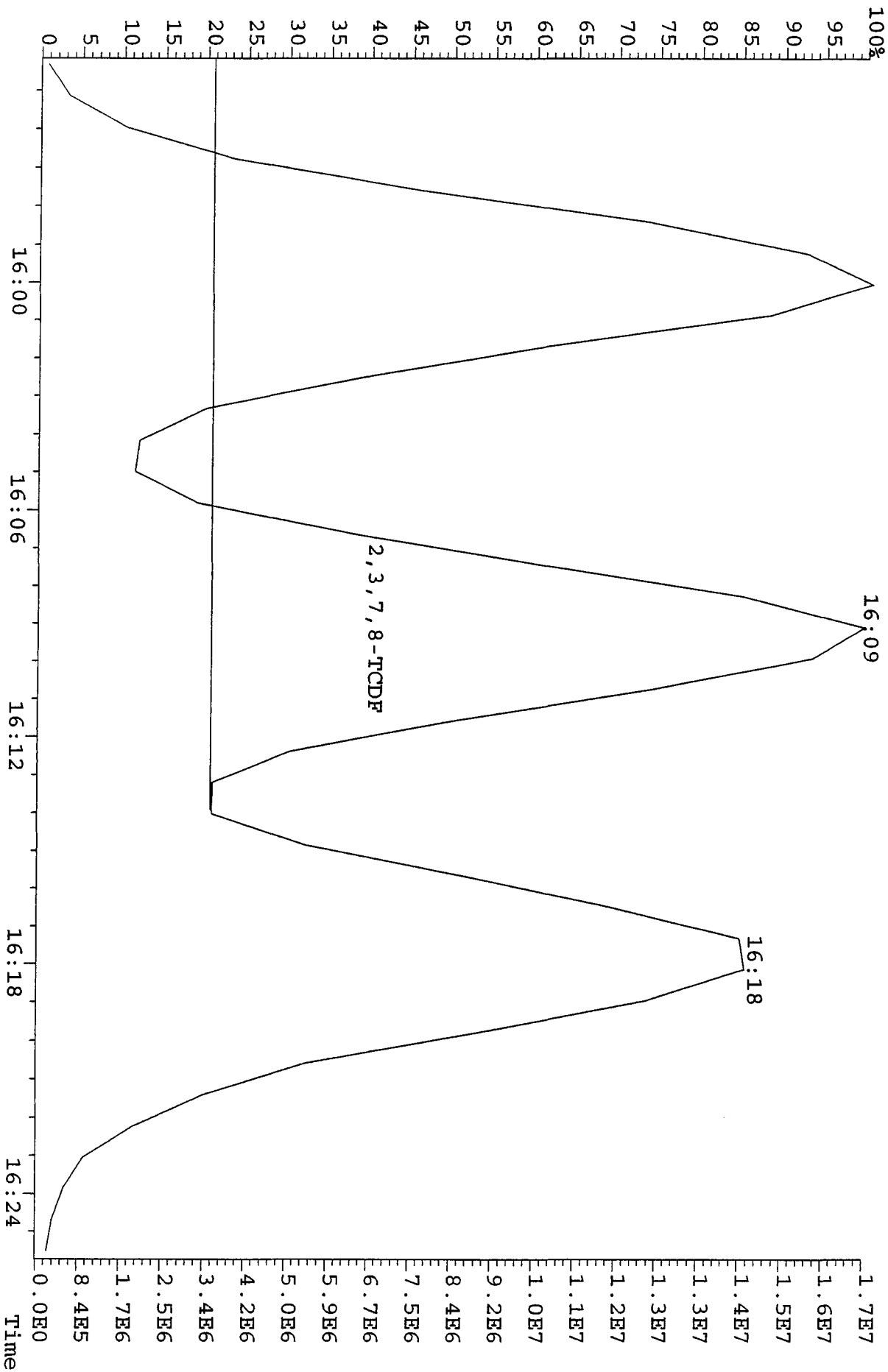
Peak Locate Examination: 21-APR-2010:10:08 File: 21API105D2
Experiment: DIOXIN Function: 1 Reference: PFK



Peak Locate Examination: 21-APR-2010: 21:16 File: RESCHK21AP105D2
 Experiment: DIOXIN Function: 1 Reference: PFK



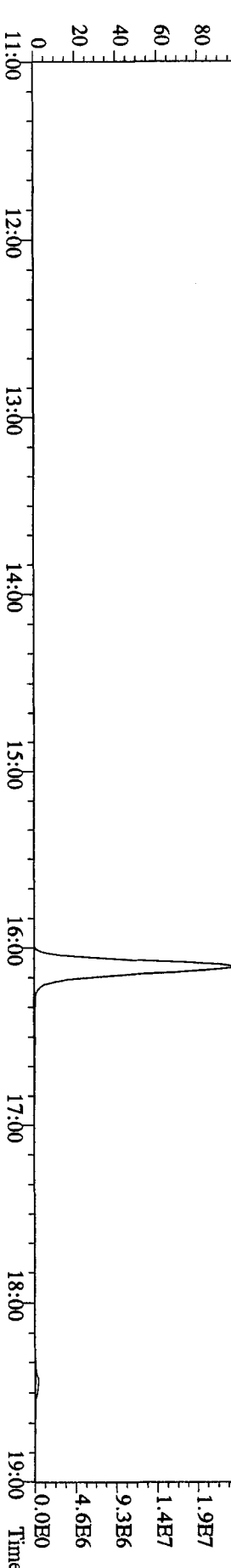
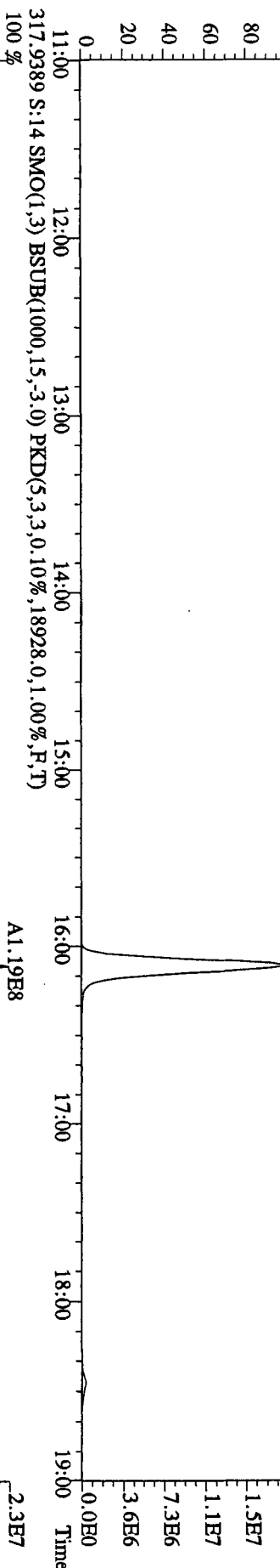
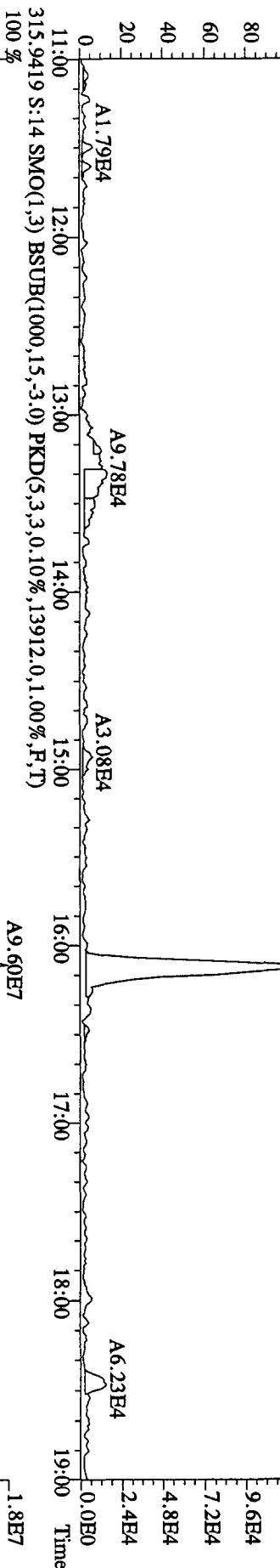
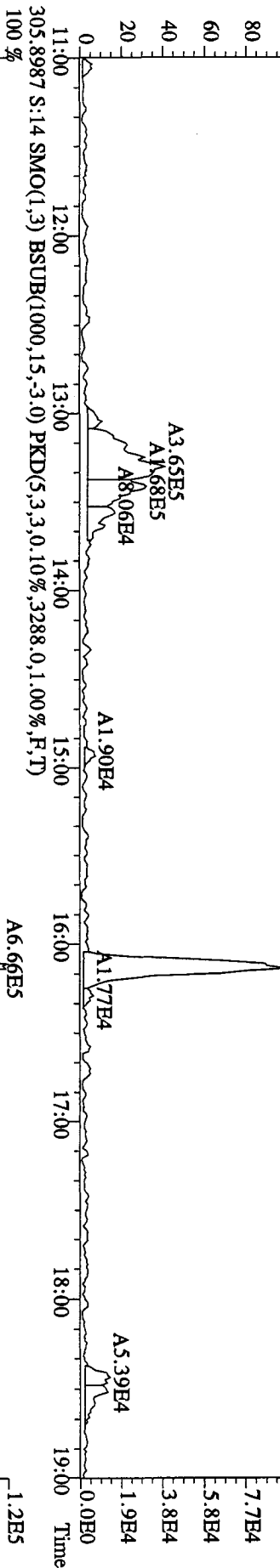
File: 21AP105D2 #1-919 Acq: 21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Exp: DIOXIN
305.8987 S:2



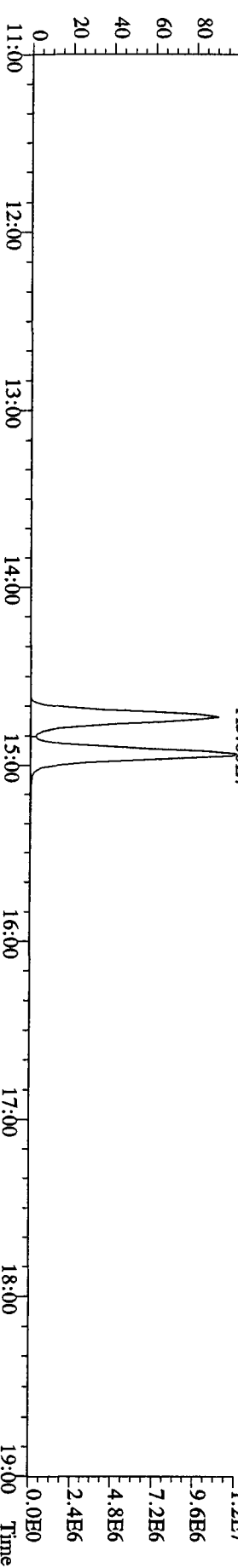
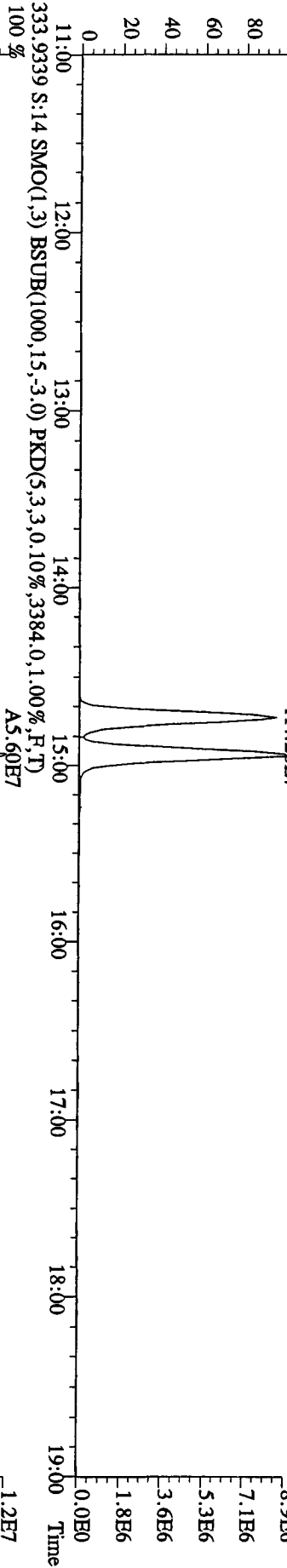
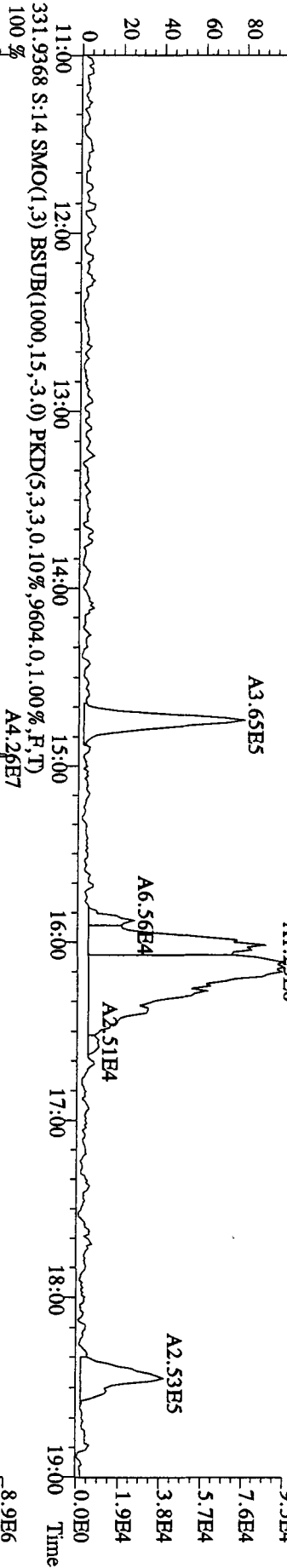
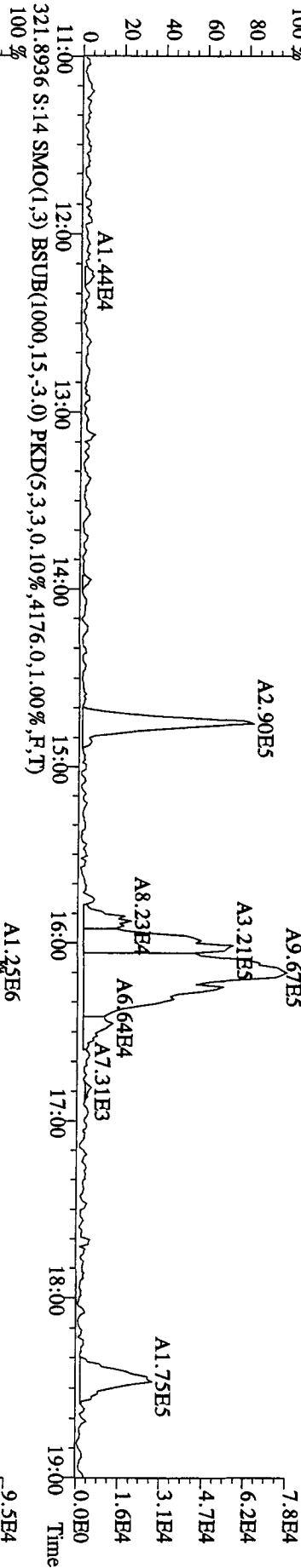
Run text: ST0421L Sample text: ST0421L :2nd Source 09DXN449
 Run #6 Filename: 21AP105D2 S: 17 I: 1 Results: 21AP105D2DB225A
 Acquired: 21-APR-10 20:08:50 Processed: 23-APR-10 15:30:50
 Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

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

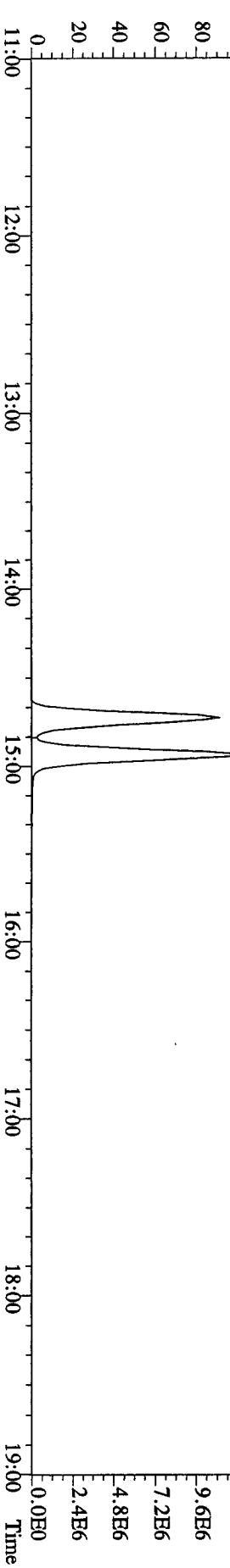
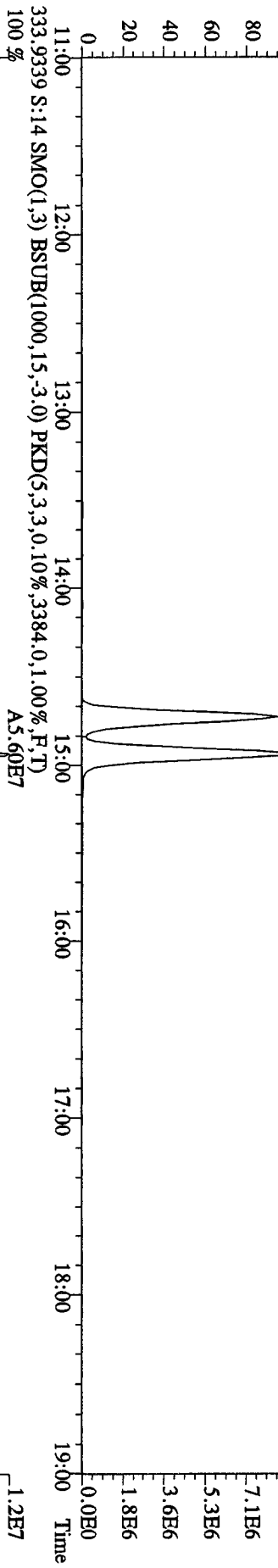
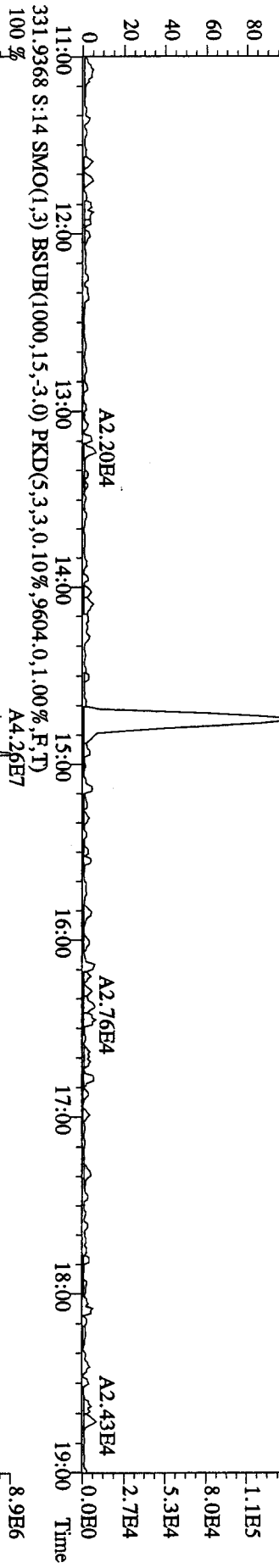
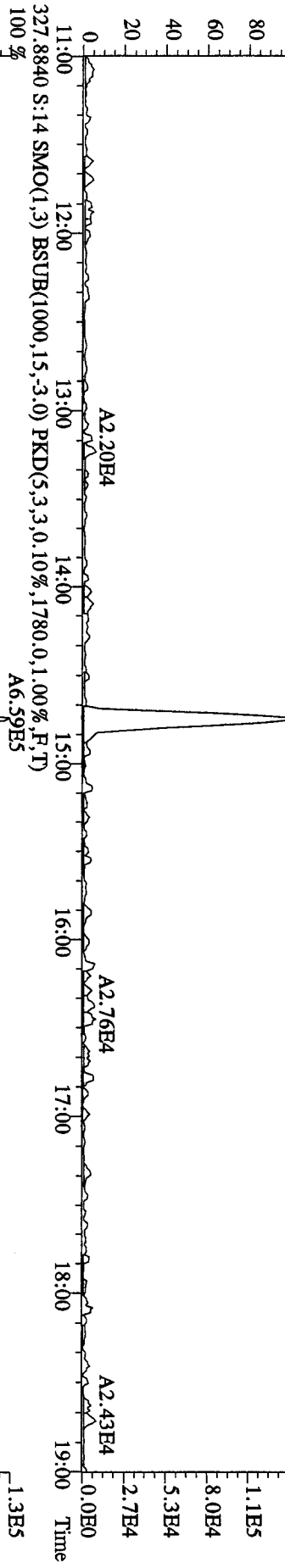
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST04211 :CSI 09DXN422 Exp:DIOXIN
 303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3000.0,1.00%,F,T)



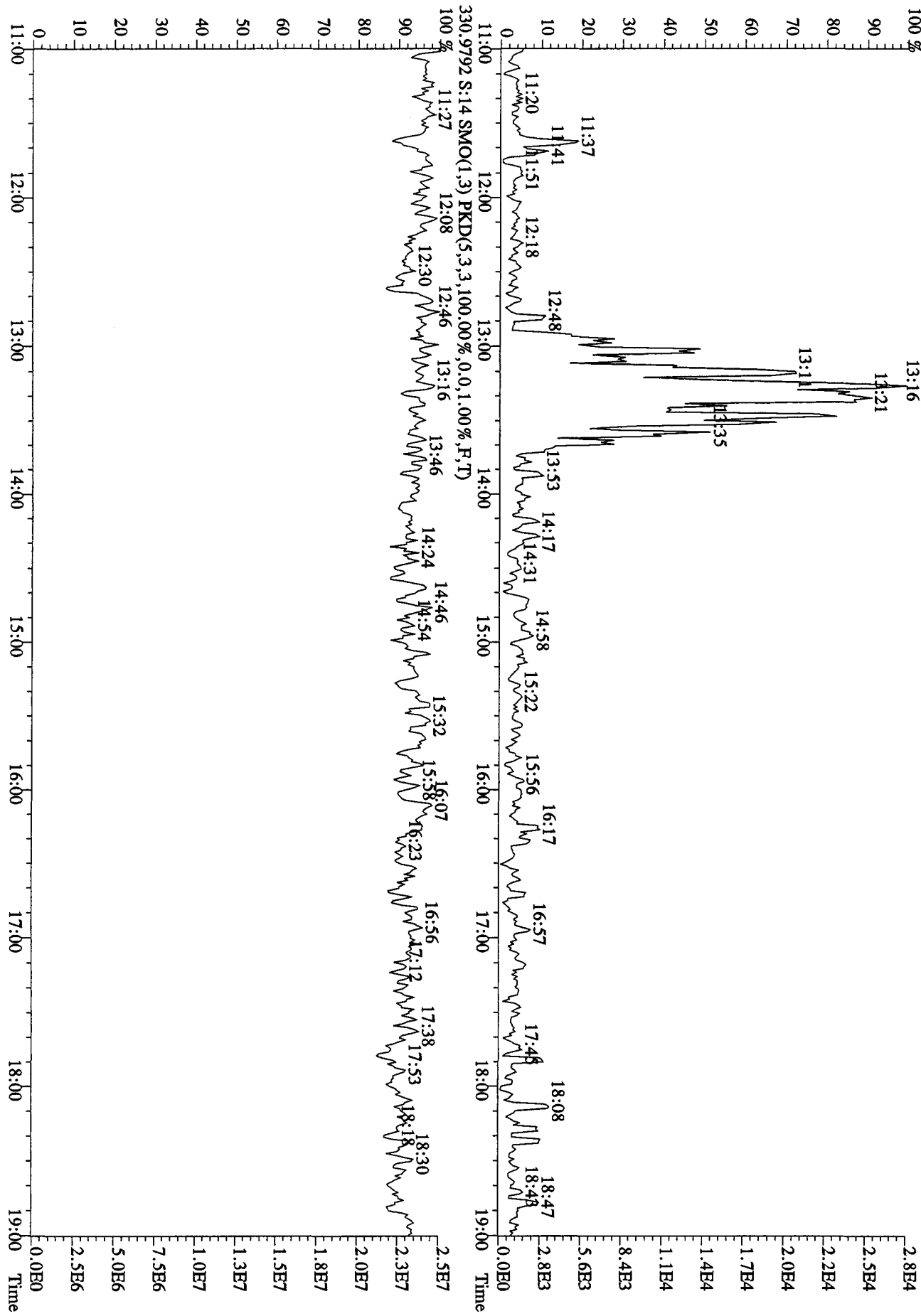
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST04211 :CS1 09DXN422 Exp:DIOXIN
 319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2500,0.1,0.0%,F,T)
 100 %



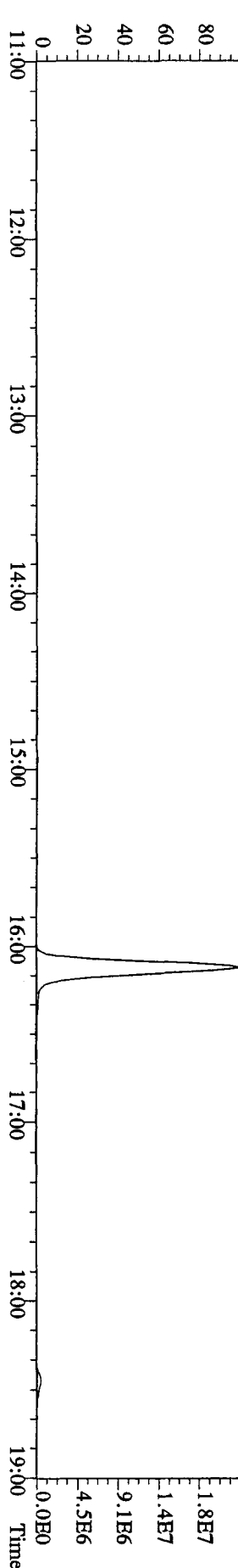
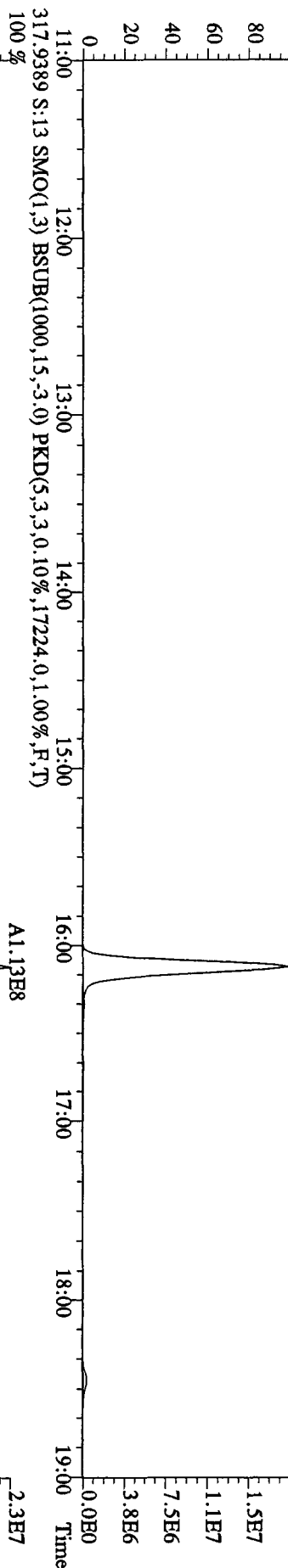
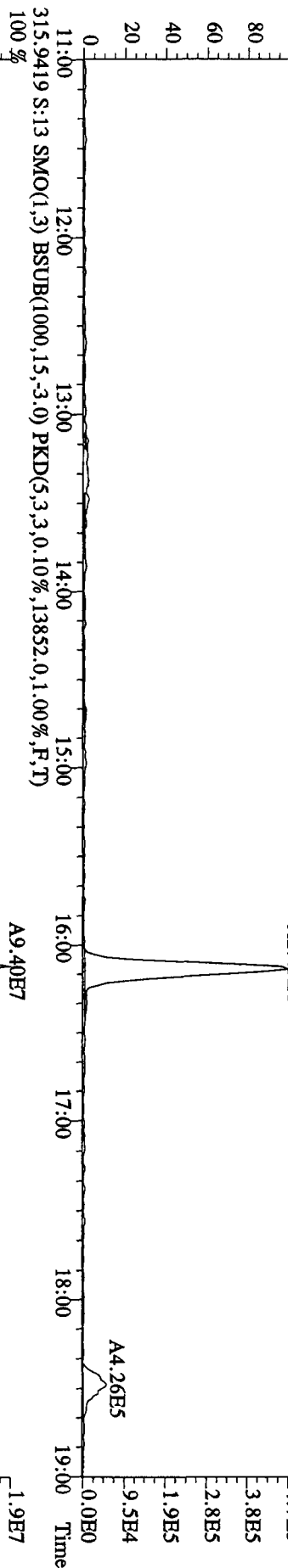
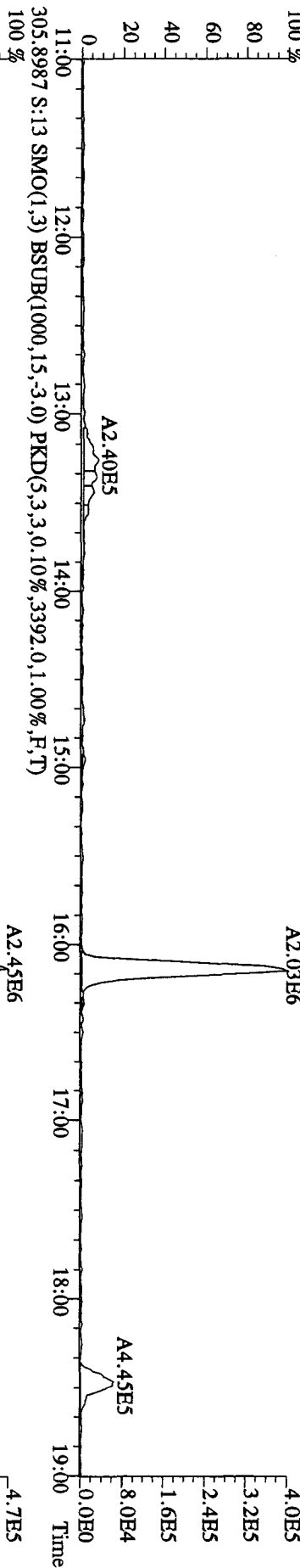
File: 21API05D2 #1-1242 Acq: 21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text: ST04211 : CSI 09DXN422 Exp: DIOXIN
 327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T) A6.59E5
 100%



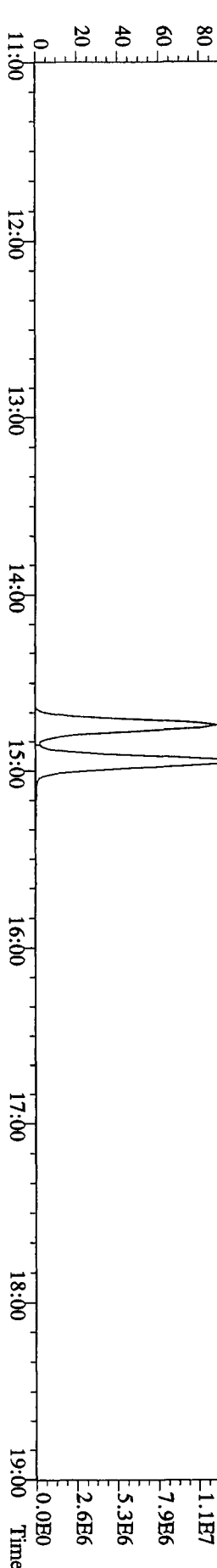
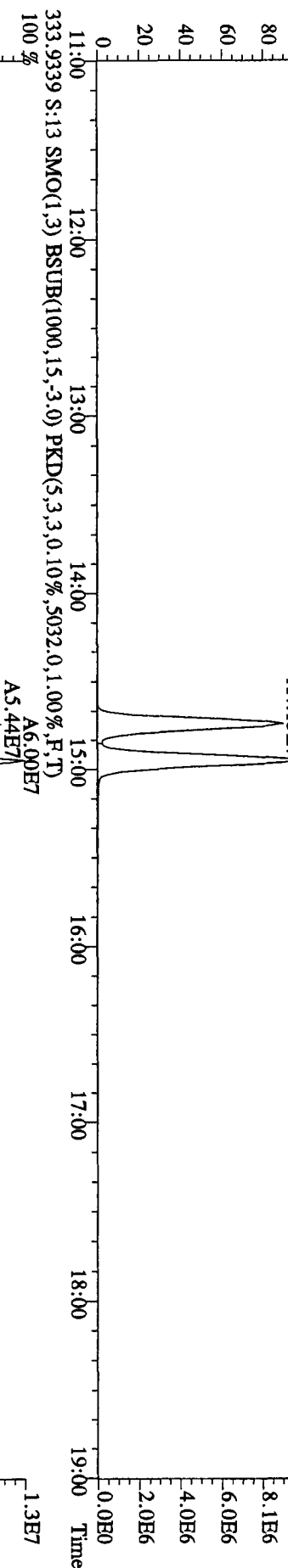
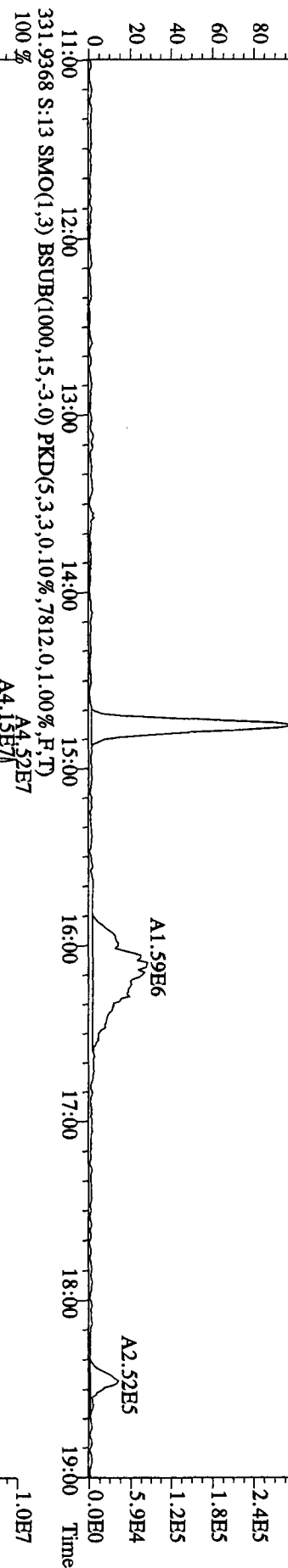
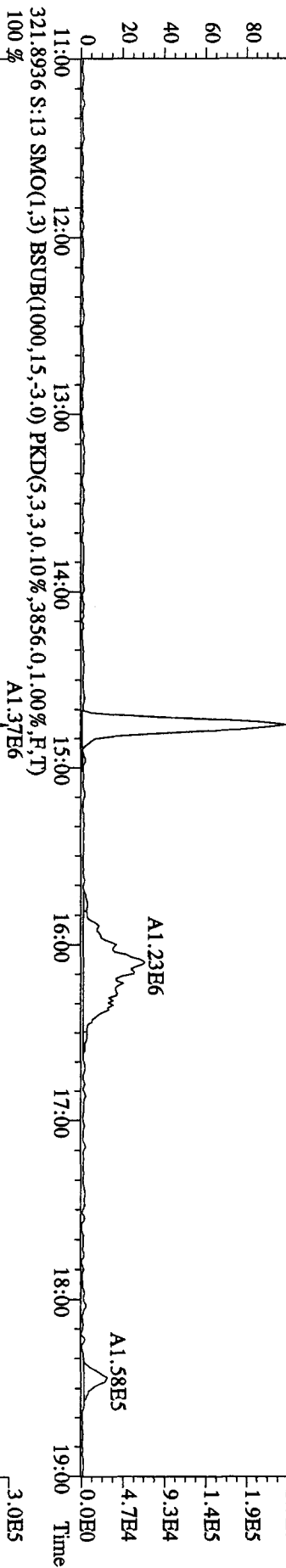
File: 21AP10SD2 #1-1242 Acq: 21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text: ST04211 : CSI 09DXN422 Exp: DIOXIN
 375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)
 100%



File:21API05D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0421H :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)



File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text: ST0421H :CS2 09DDXN423 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% A1.12E6



File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE

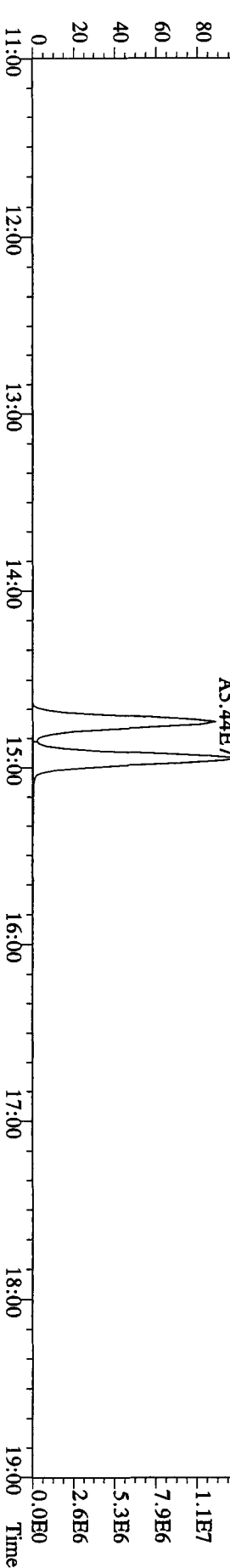
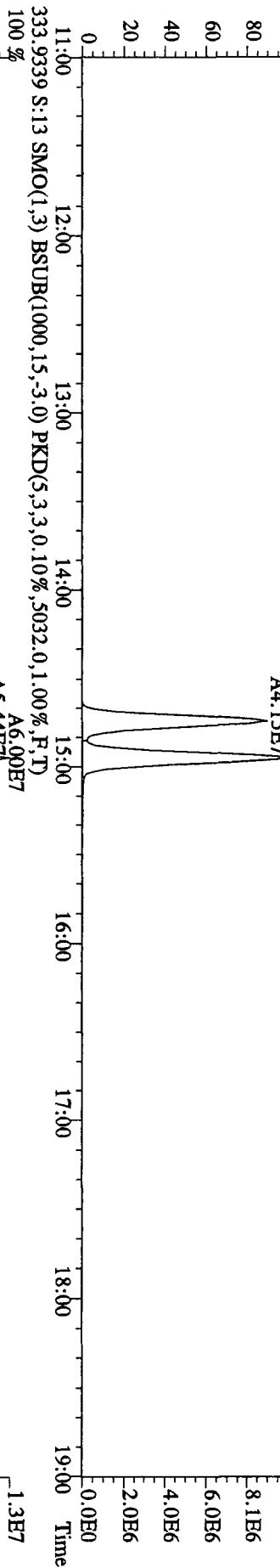
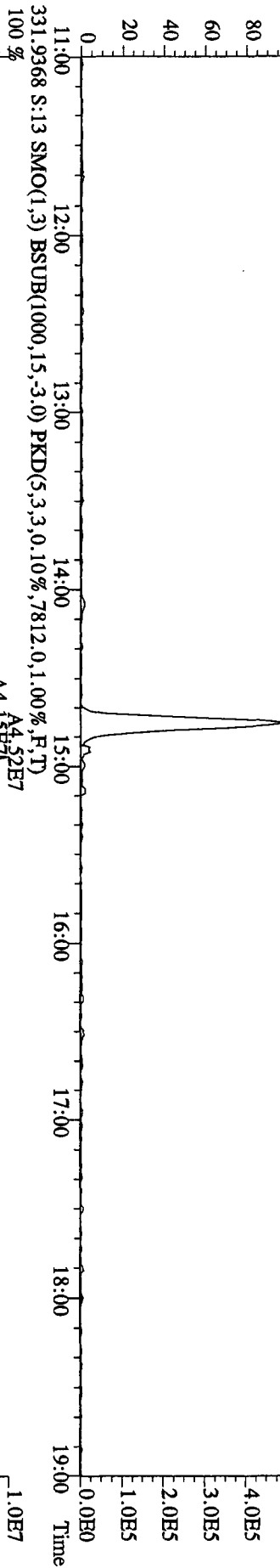
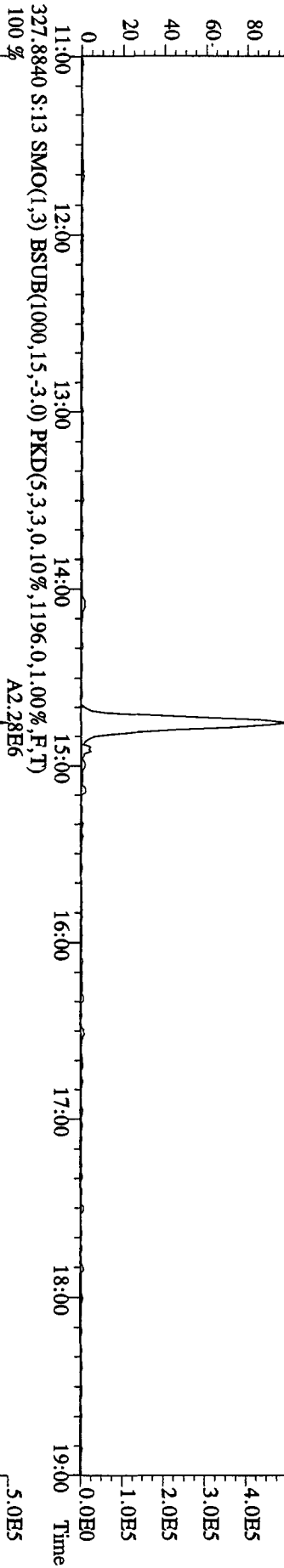
Sample#13 Text:ST0421H :CS2 09DXN423

Exp:DIOXIN

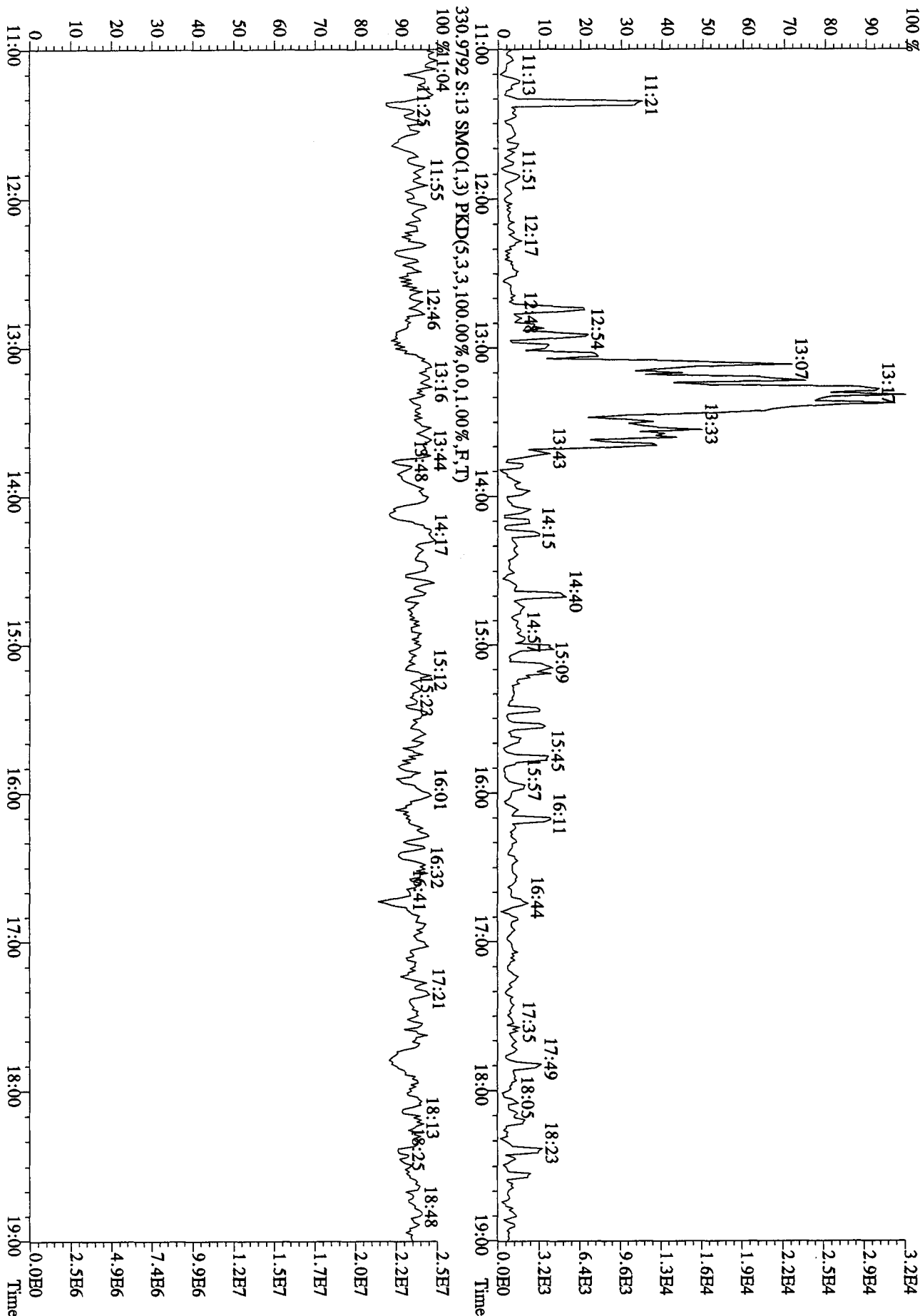
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)

A2.28E6

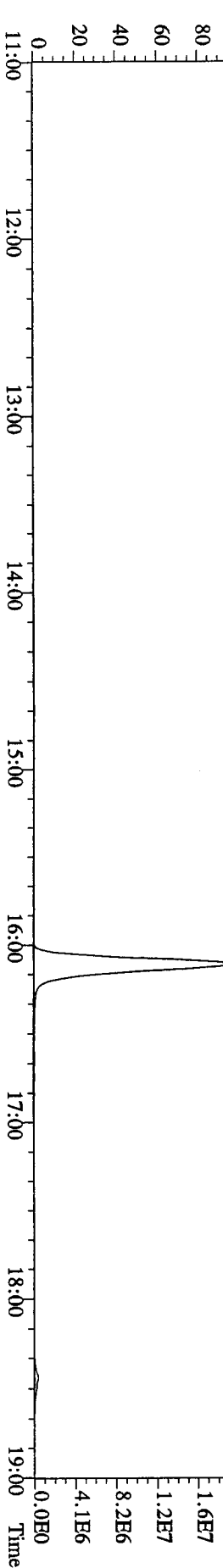
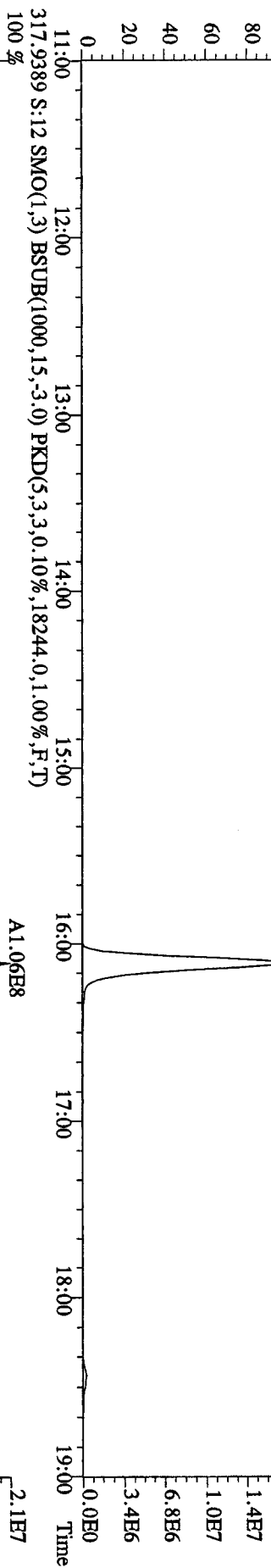
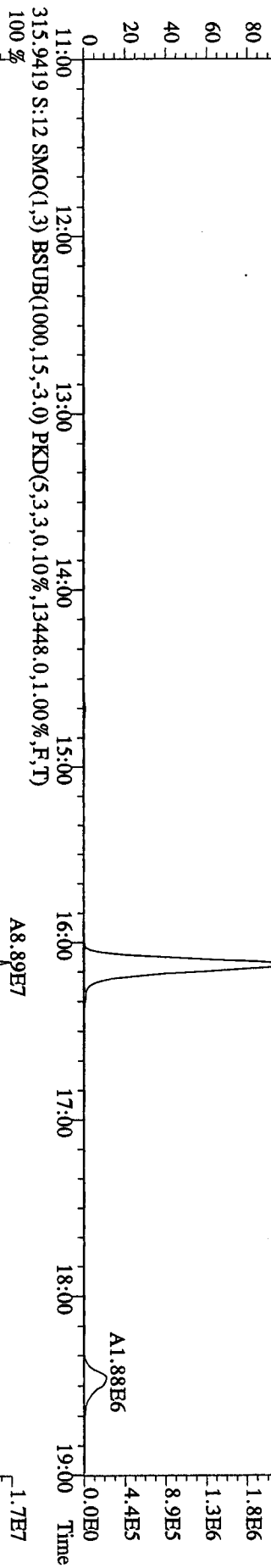
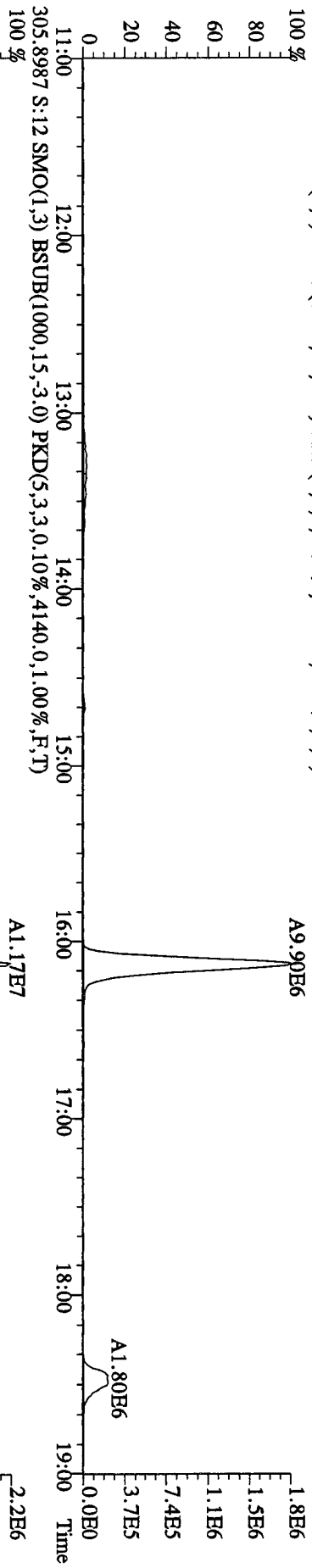
5.0E5



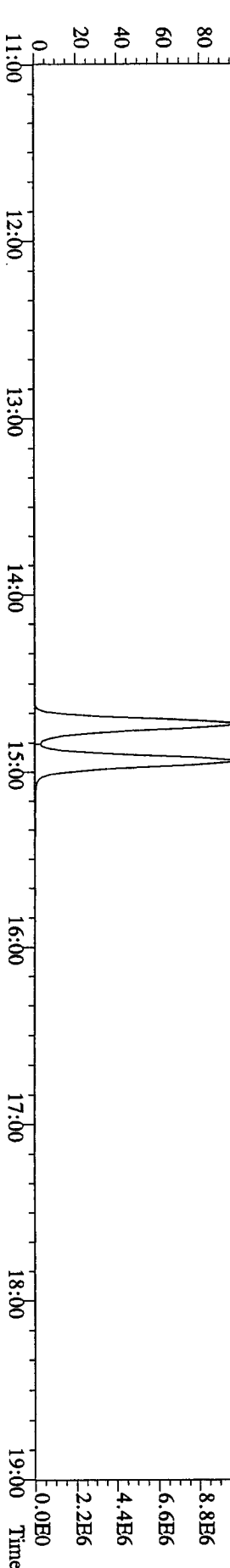
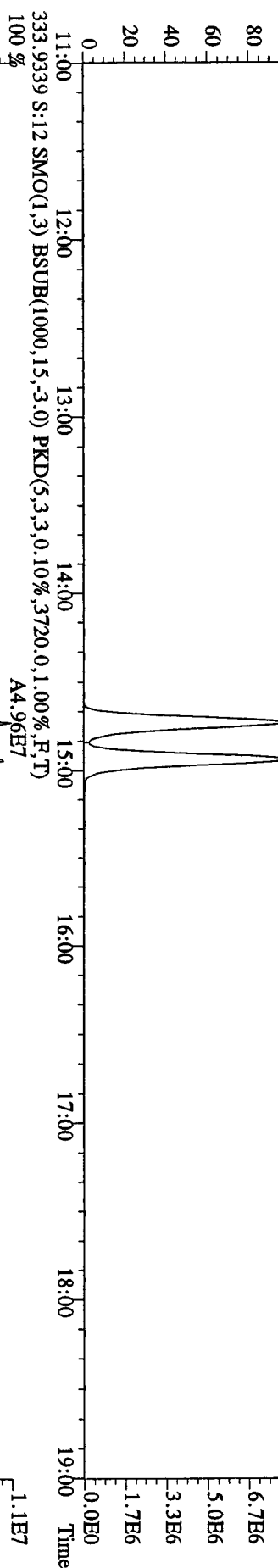
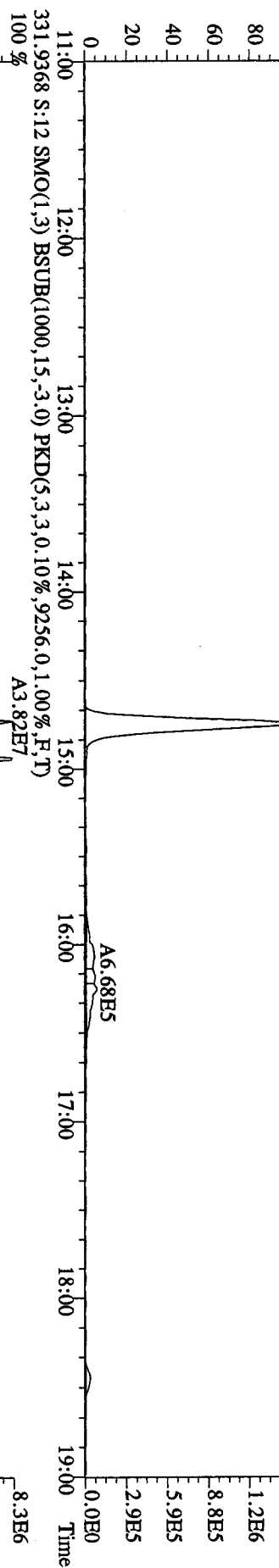
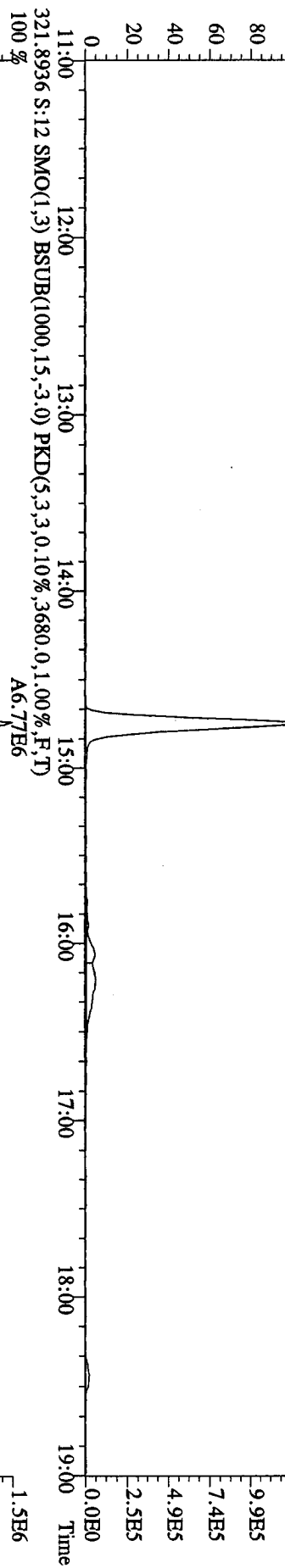
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
 375.8364 S:1.3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC:EI+ Voltage SIR 70SE
 Sample#12 Text:ST0421G :CS3 10DDXN111 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 70SE
 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) A5.73B6
 100 %



1.2B6

9.9B5

7.4B5

4.9B5

2.5B5

0.0B0

1.5B6

1.2B6

8.8B5

5.9B5

2.9B5

0.0B0

8.3B6

6.7B6

5.0B6

3.3B6

1.7B6

0.0B0

1.1B7

8.8B6

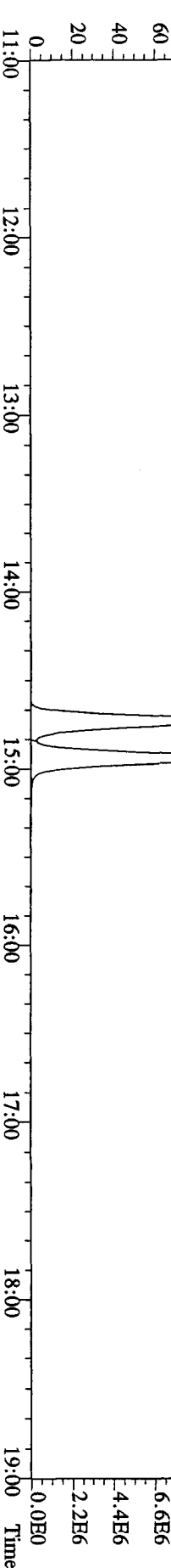
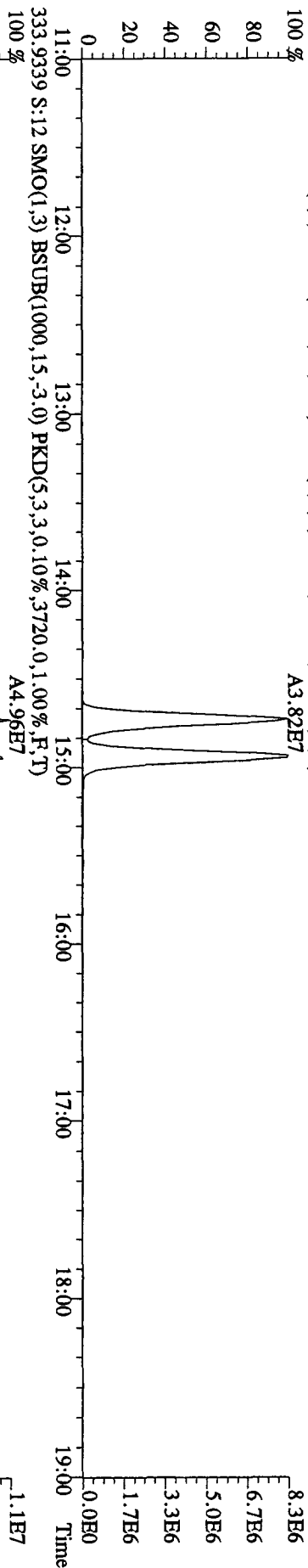
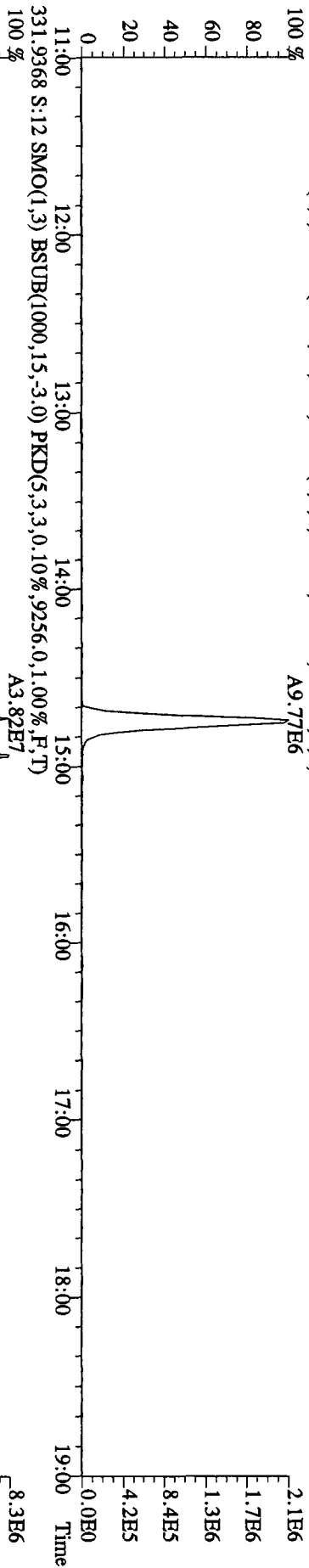
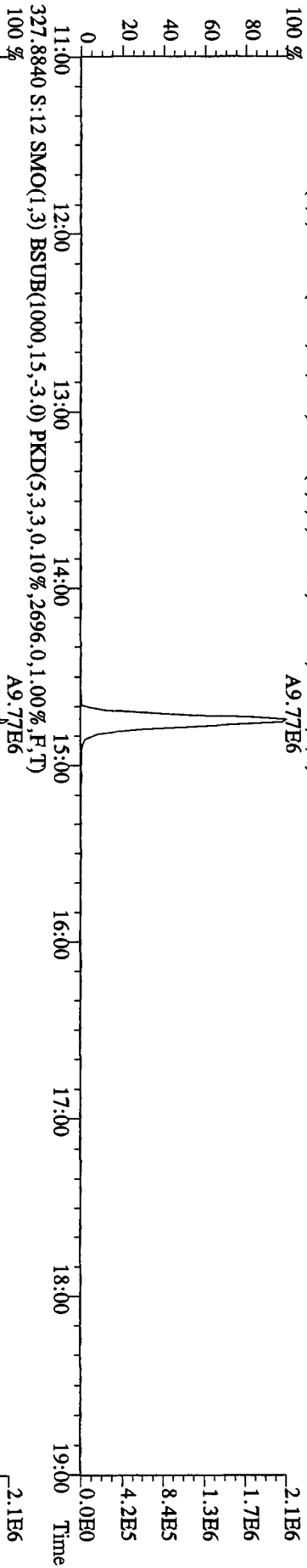
6.6B6

4.4B6

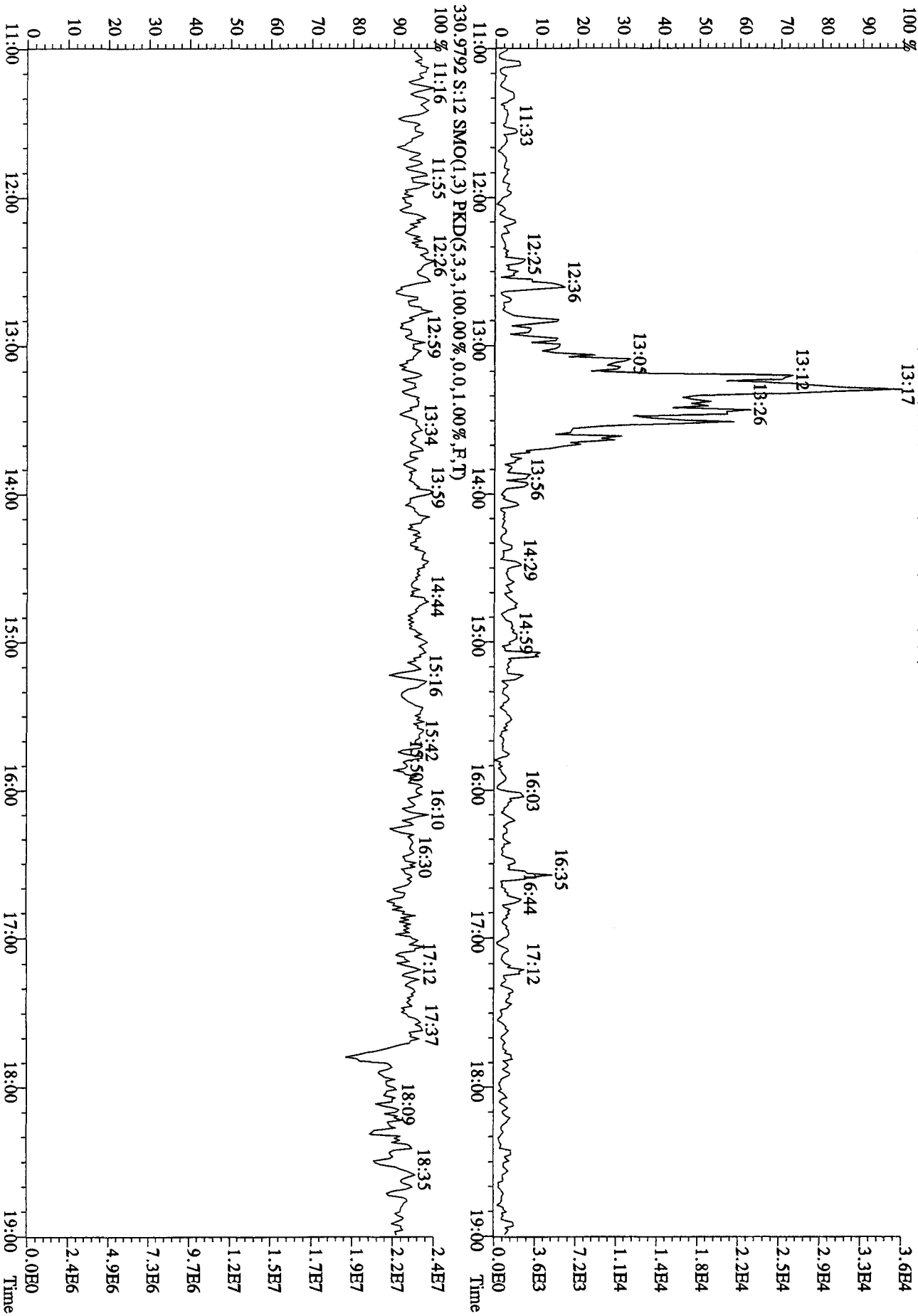
2.2B6

0.0B0

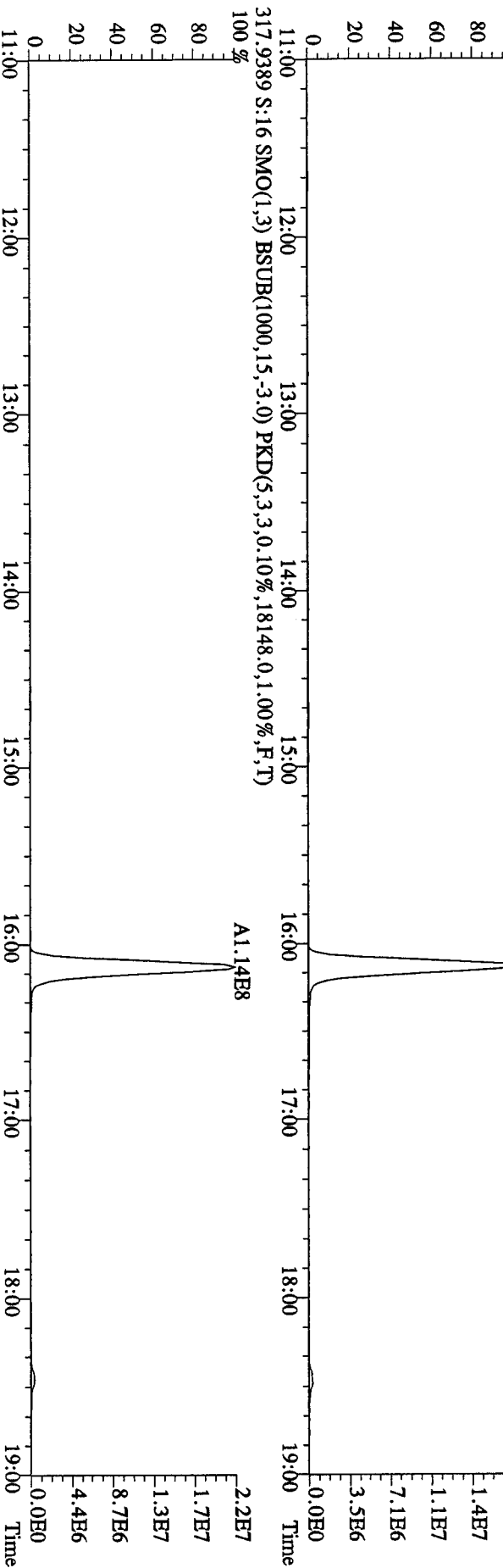
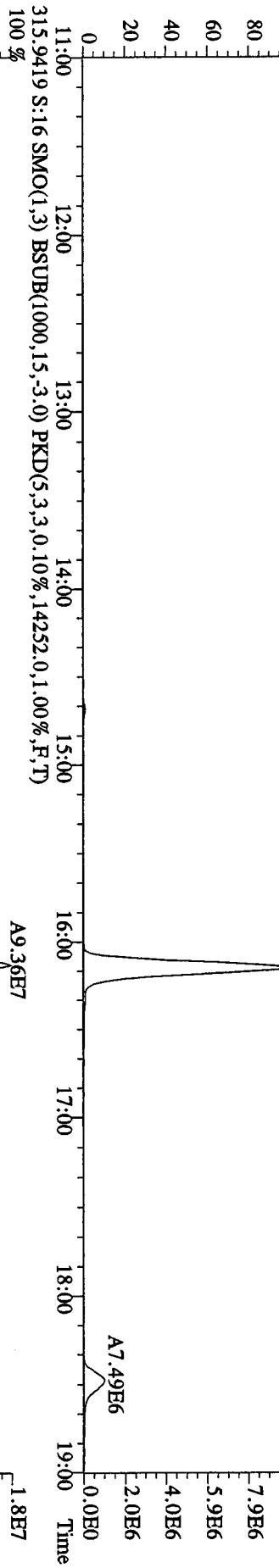
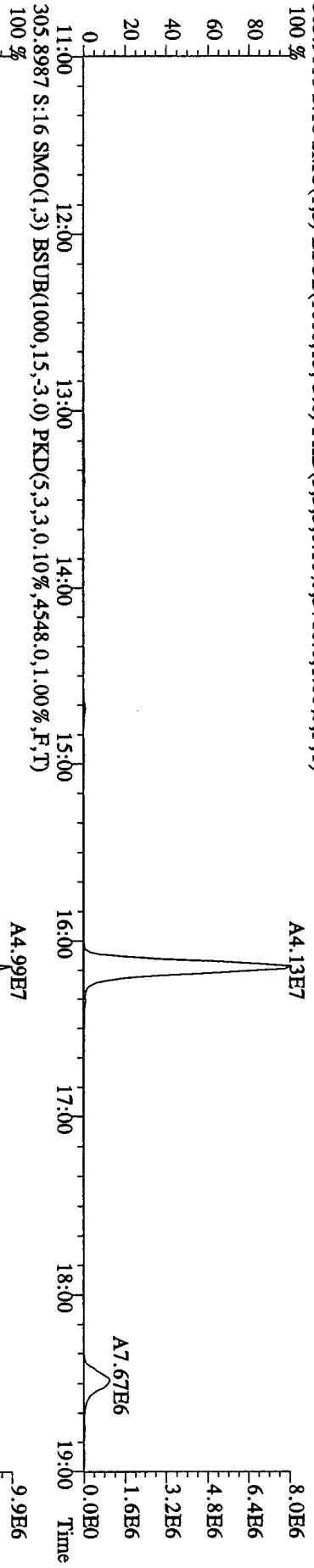
File:21API05D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
327.8840 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2696.0,1.00%,F,T)
100% A9.77E6



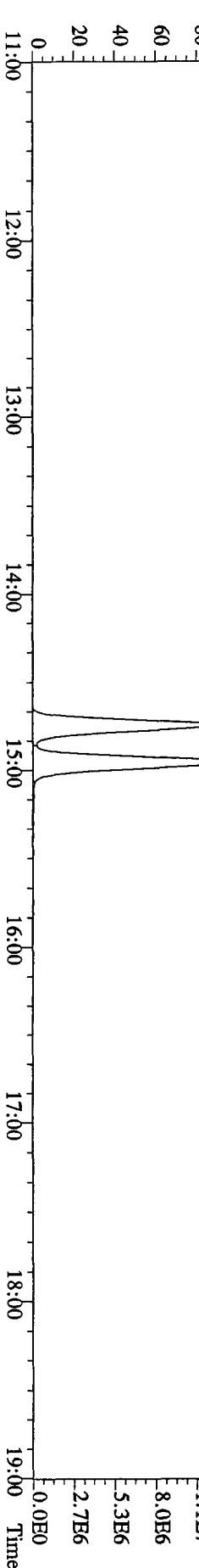
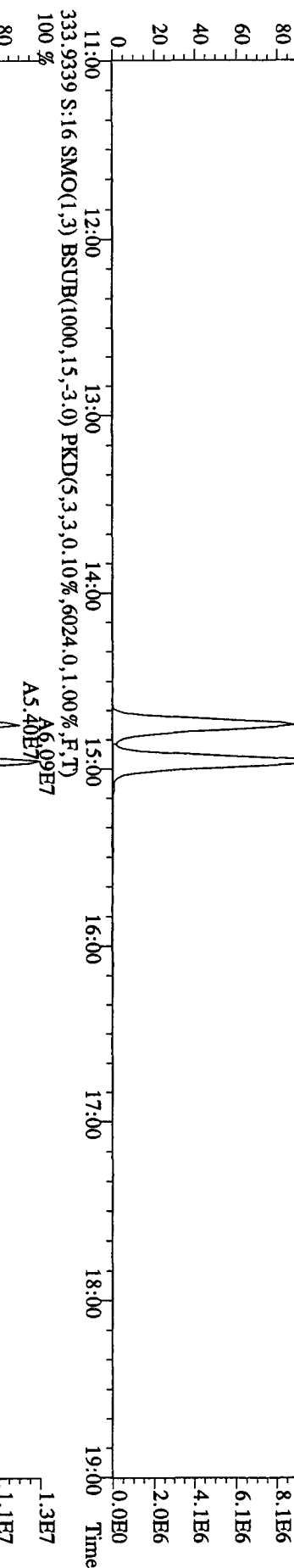
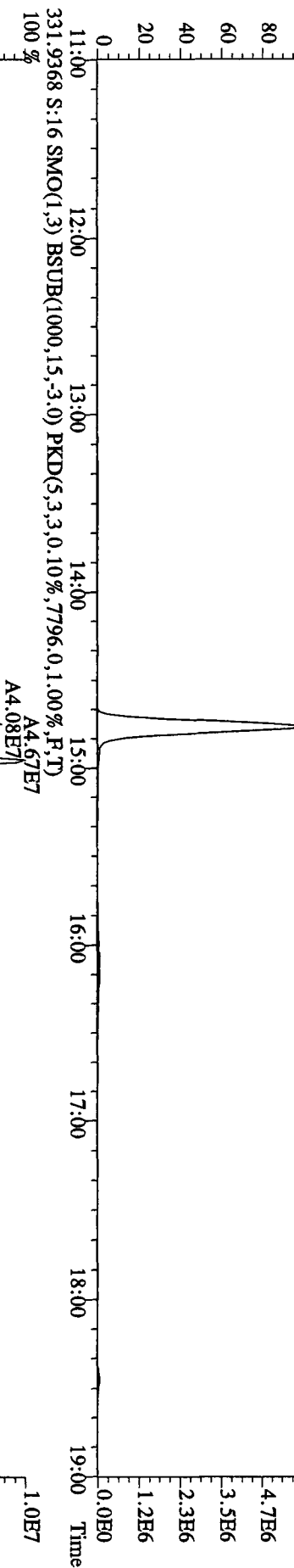
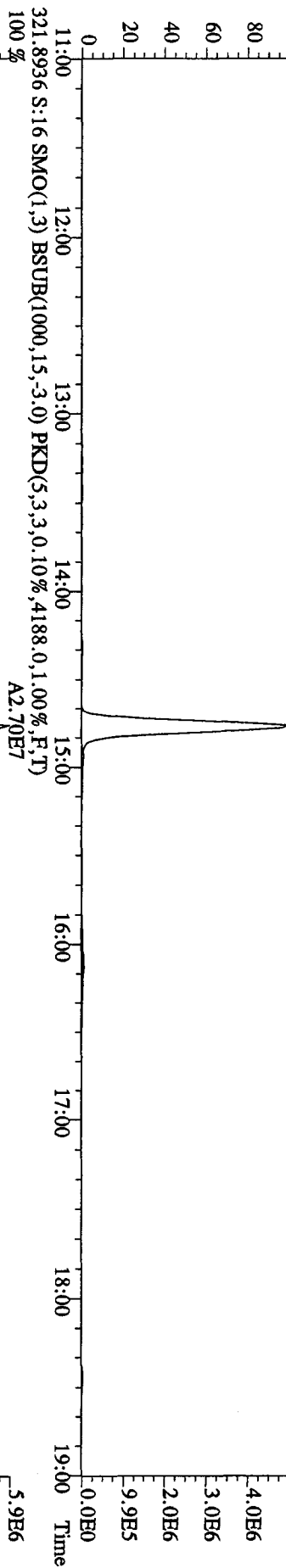
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
 Sample#12 Text: ST0421G :CS3 10DXN111 Exp: DIOXIN
 375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1252.0,1.00%,F,T)
 100 %



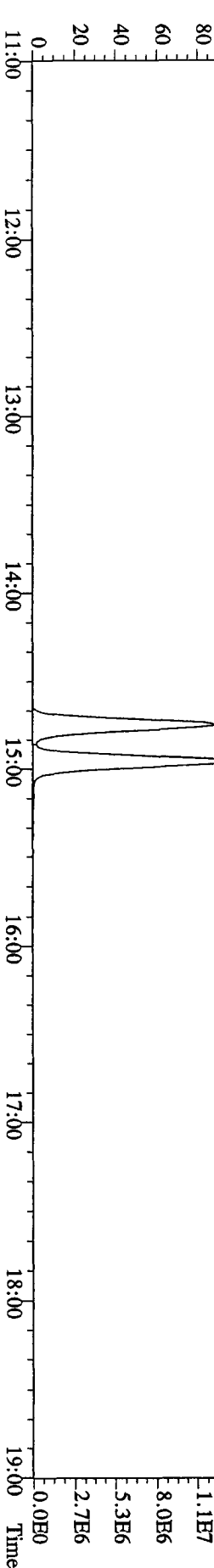
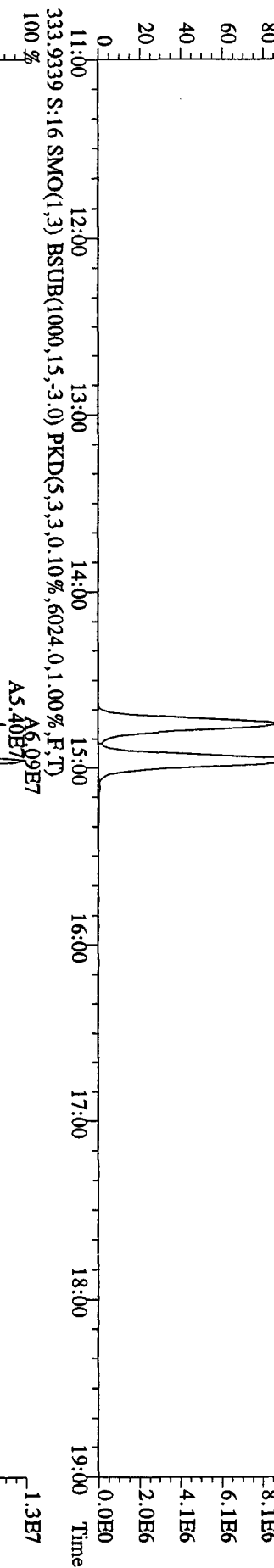
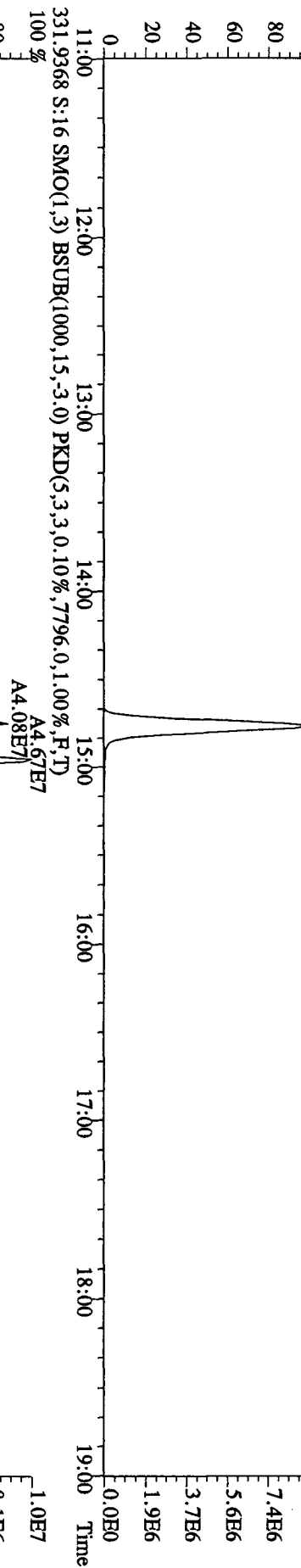
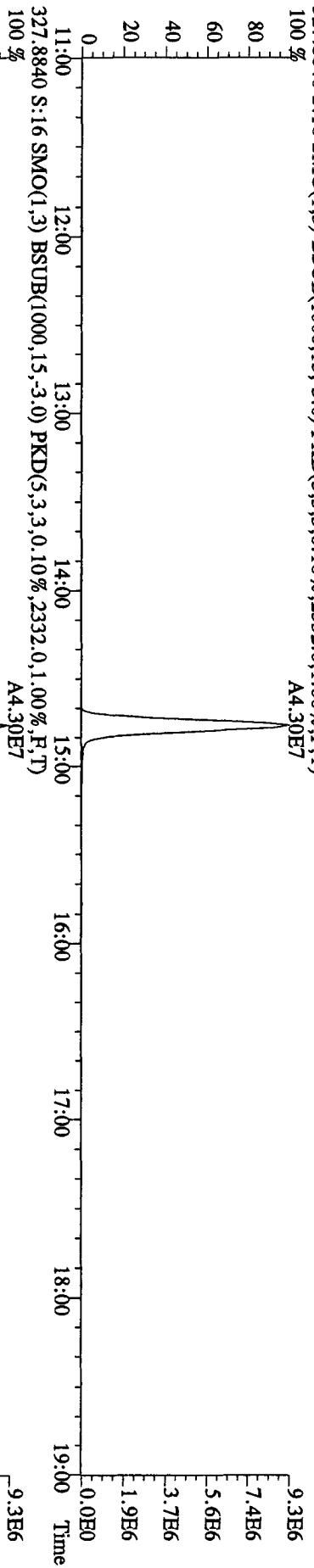
File:21API05D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3760.0,1.00%,F,T)



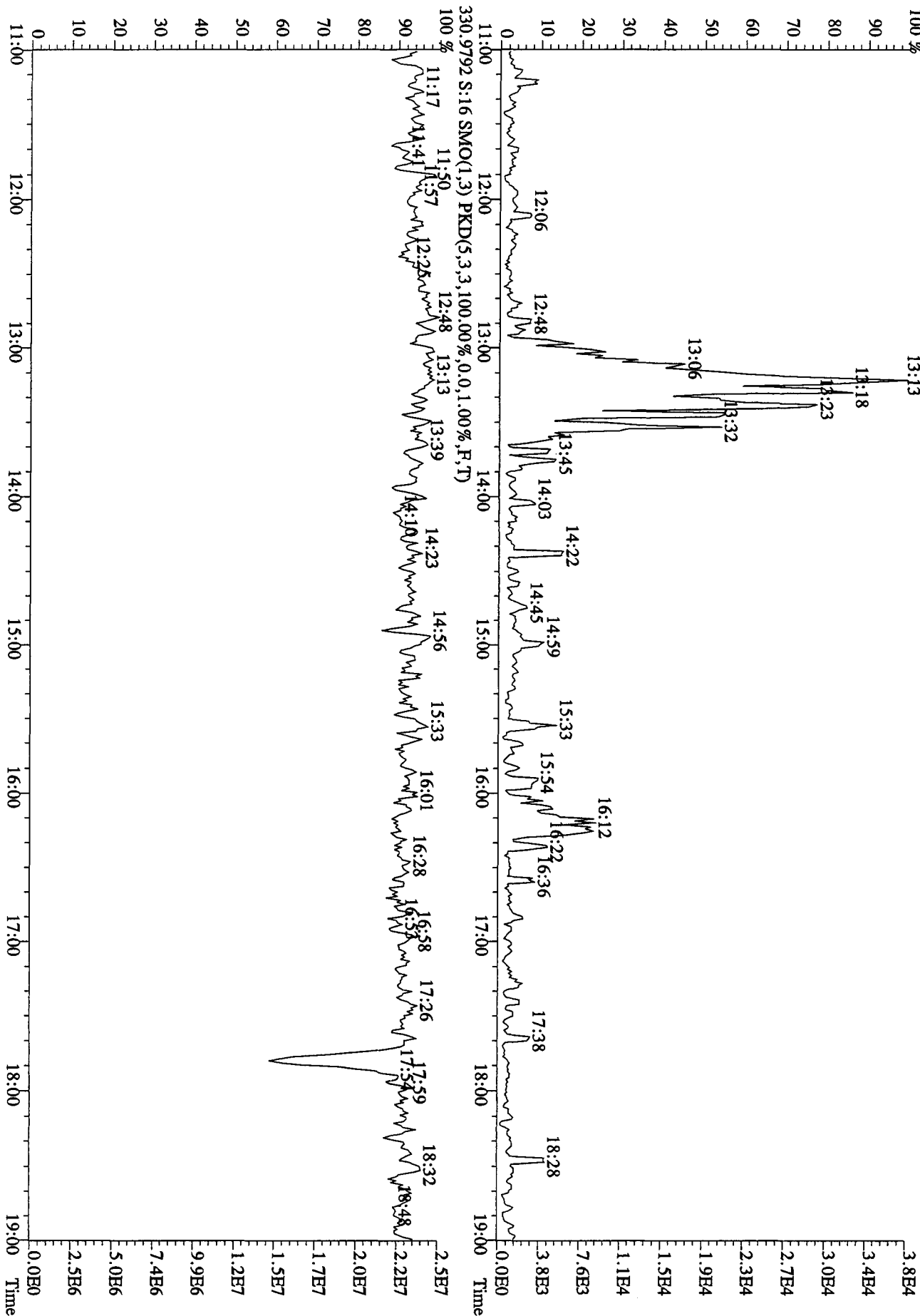
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2888,0,1,00%,F,T)
100 % A2.29E7



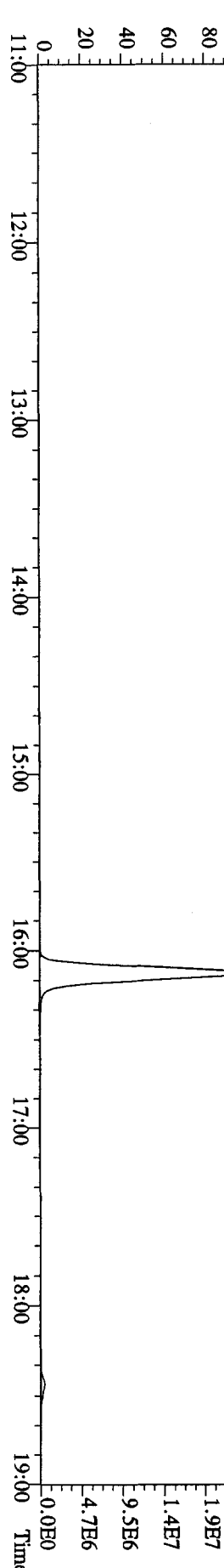
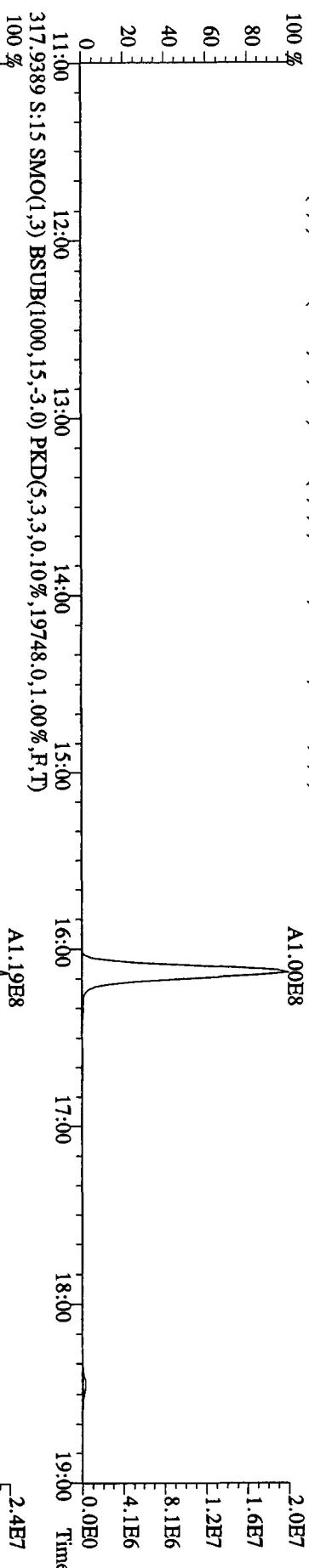
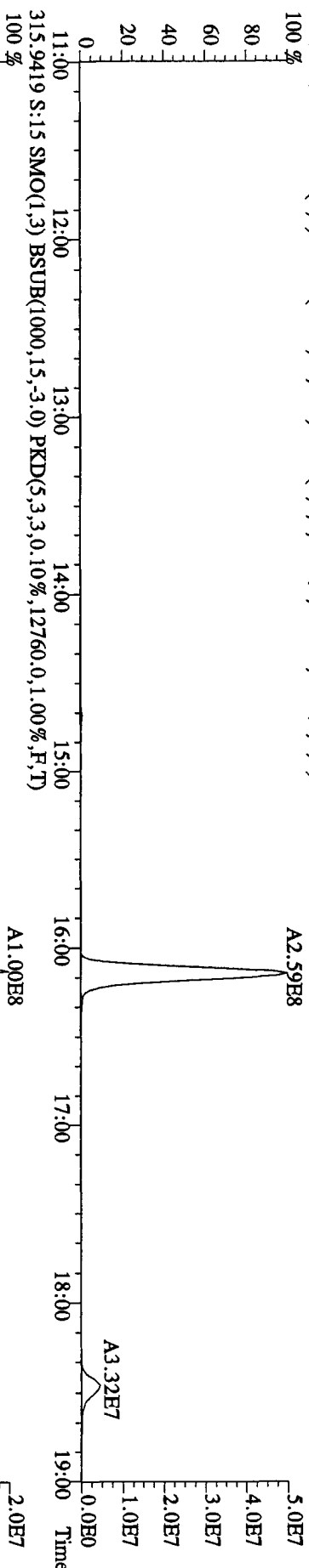
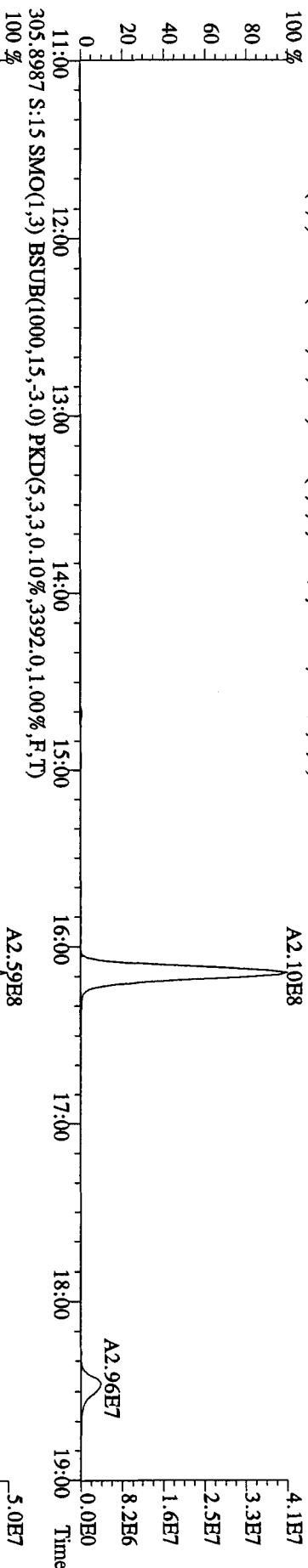
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage S1R 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
327.8840 S:1.6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)
100% A4.30E7



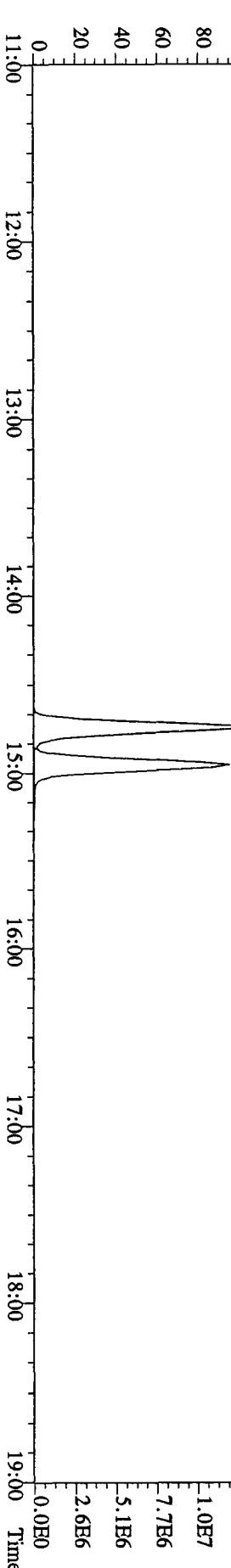
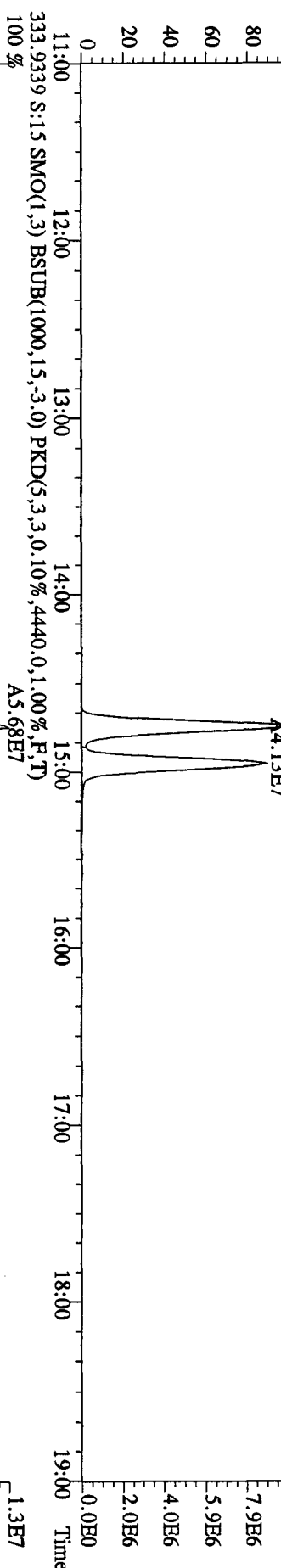
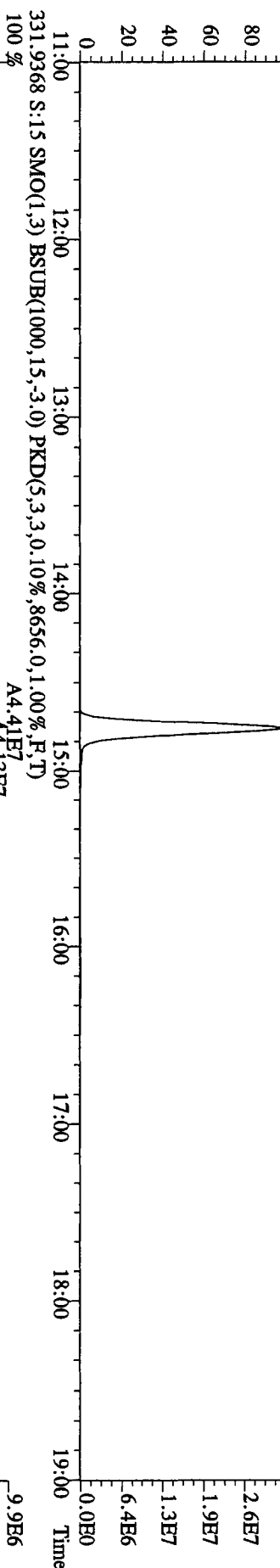
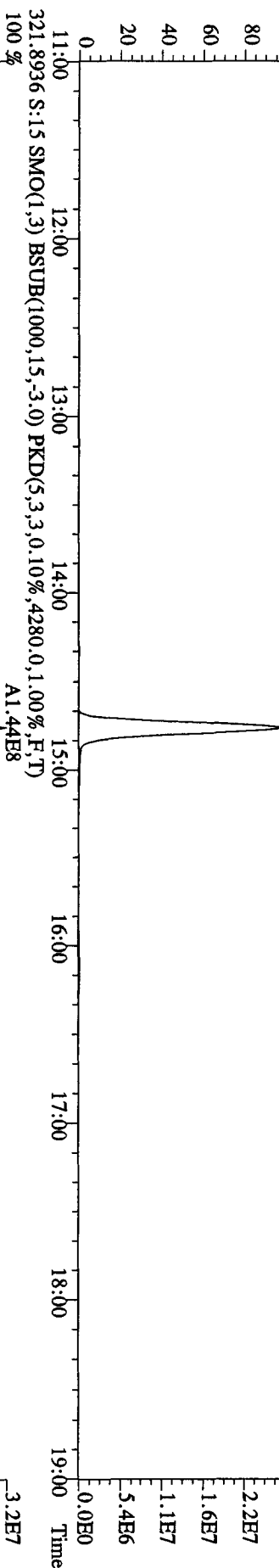
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
 Sample#16 Text: ST0421K : CS4 09DXN426 Exp: DIOXIN
 375.8364 S: 1.6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



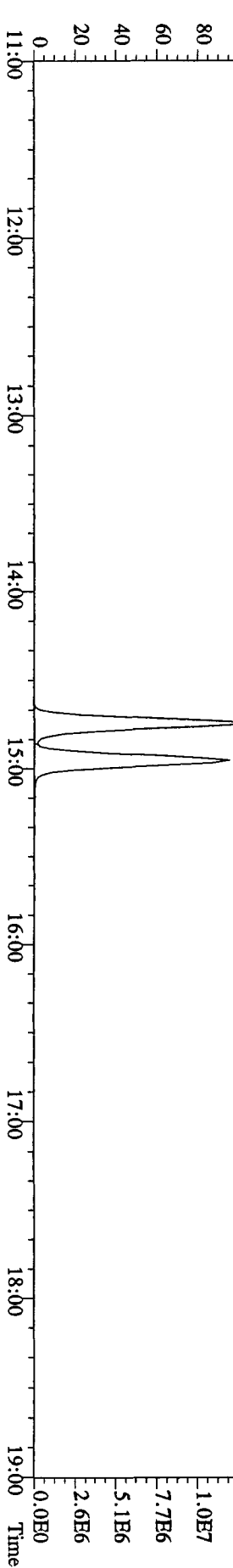
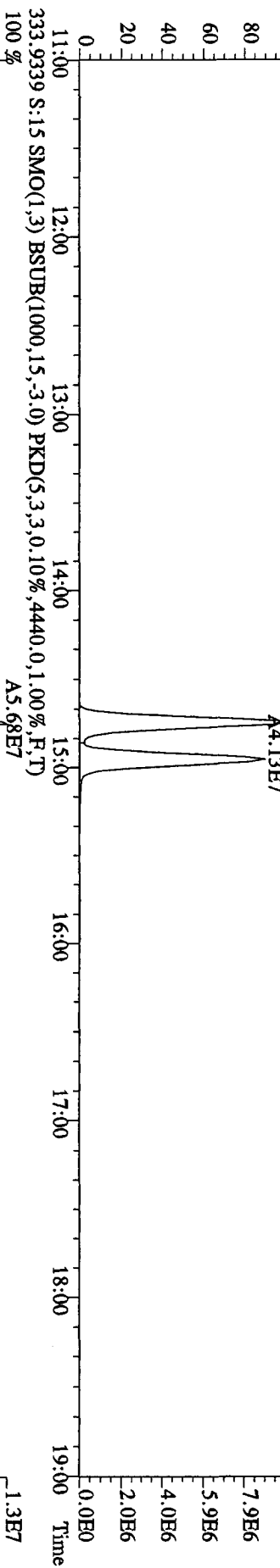
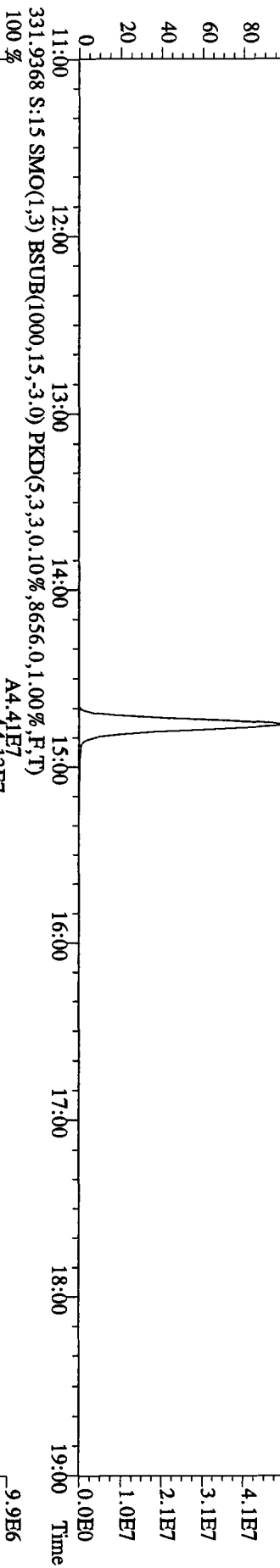
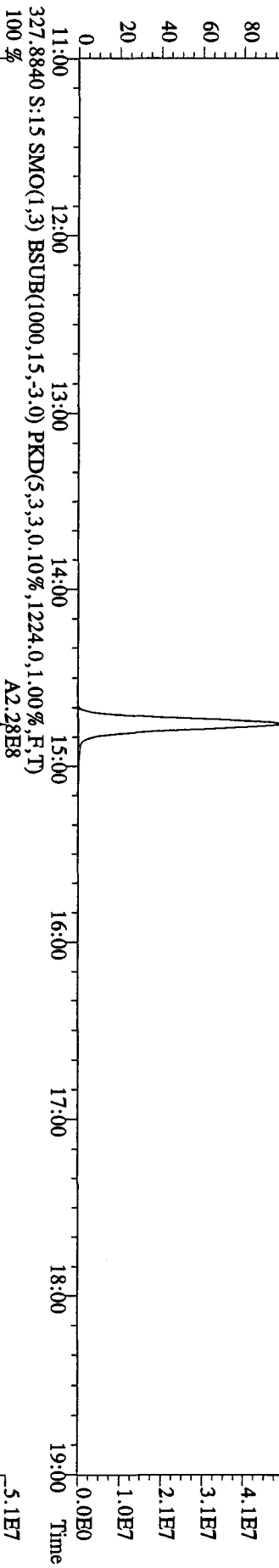
File:21API05D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST04211 :CSS 09DXN456 Exp:DIOXIN
 303.9016 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4480,0,1,00%,F,T)
 100 %



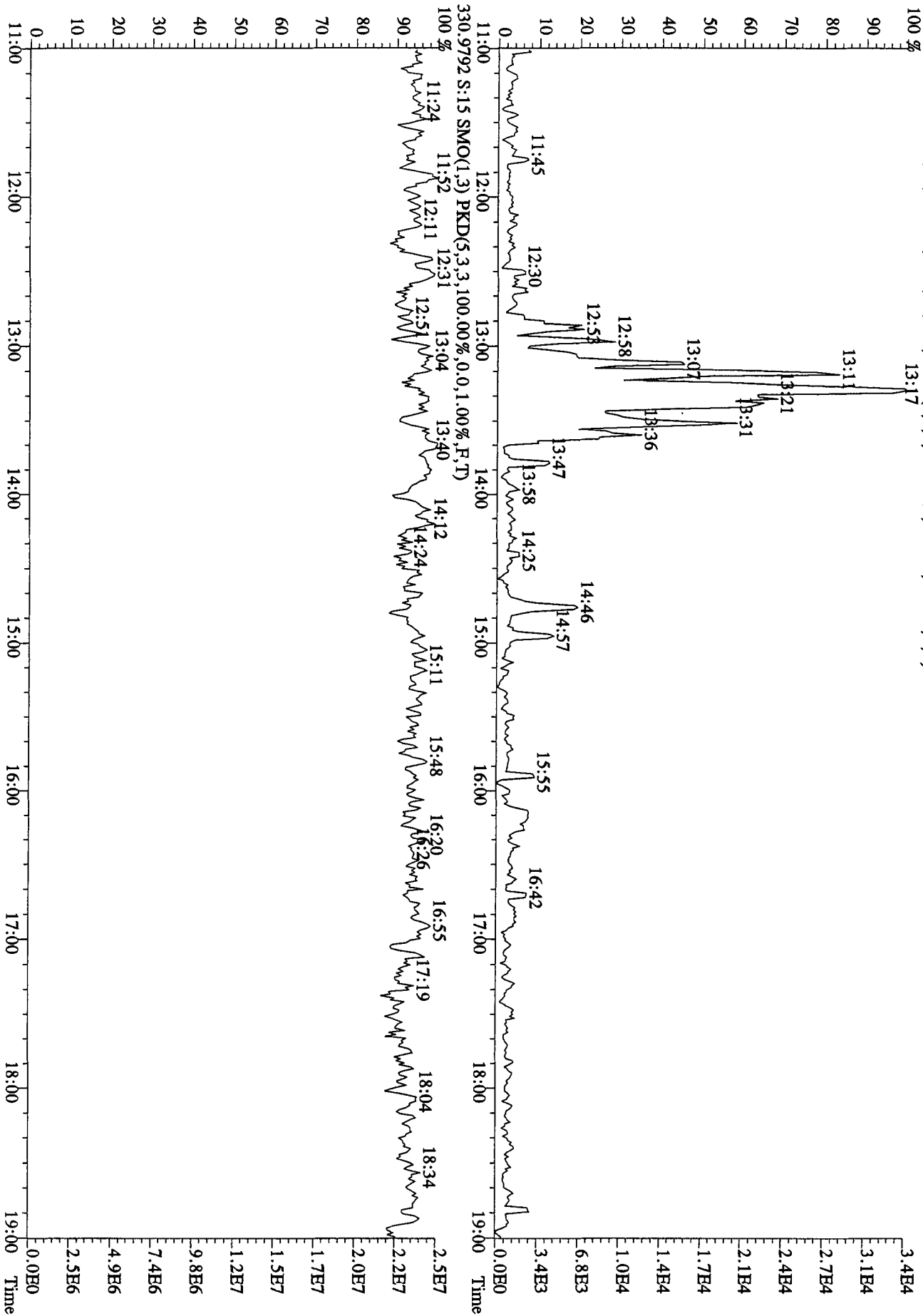
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST0421F :CSS 09DXN456 Exp:DIOXIN
 319.8965 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2688.0,1.00%,F,T)
 100 % A1.21E8



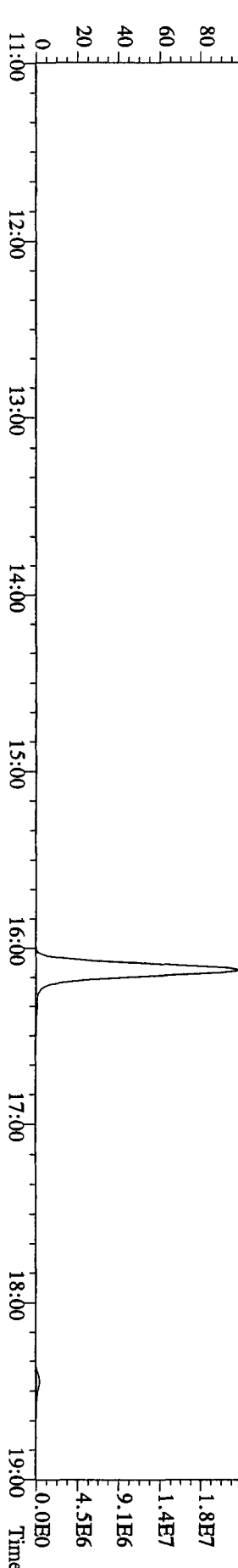
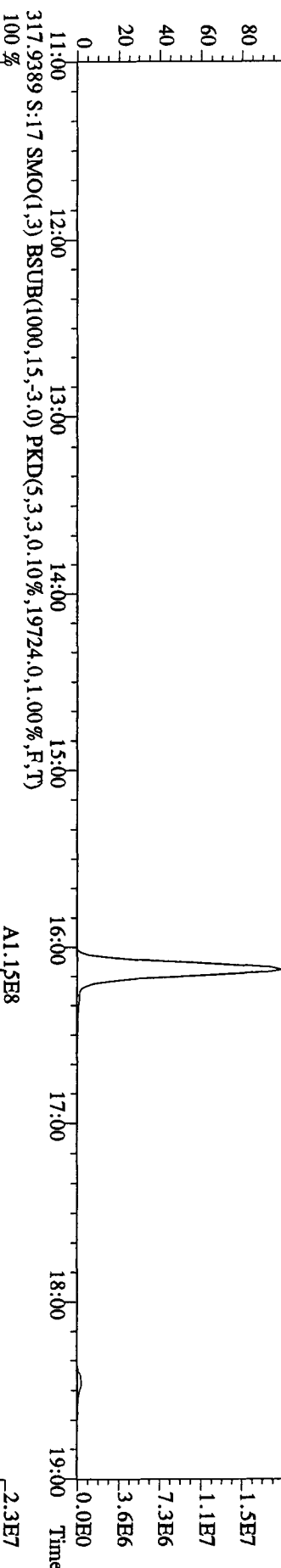
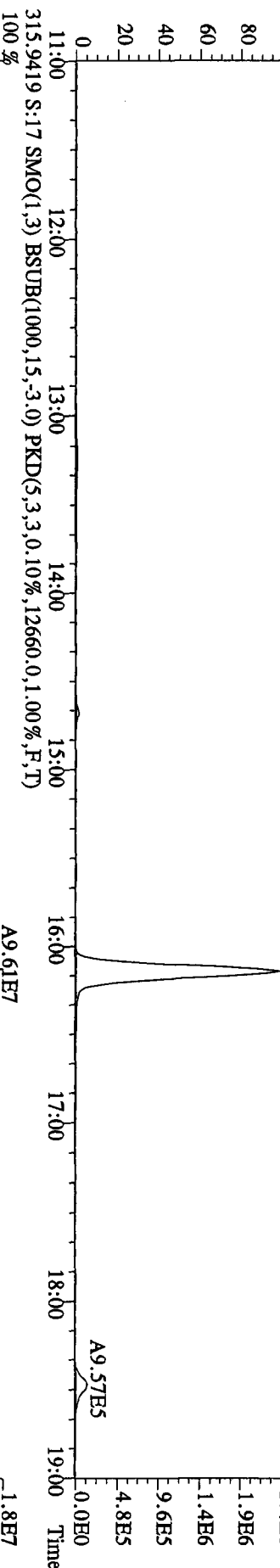
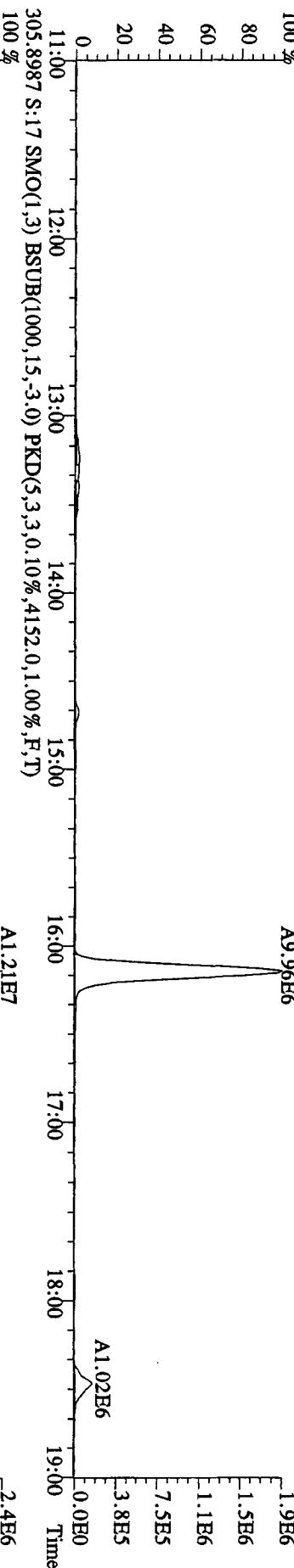
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST0421J :CSS 09DXN456 Exp:DIOXIN
 327.8840 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1224,0,1,00%,F,T)
 100 %



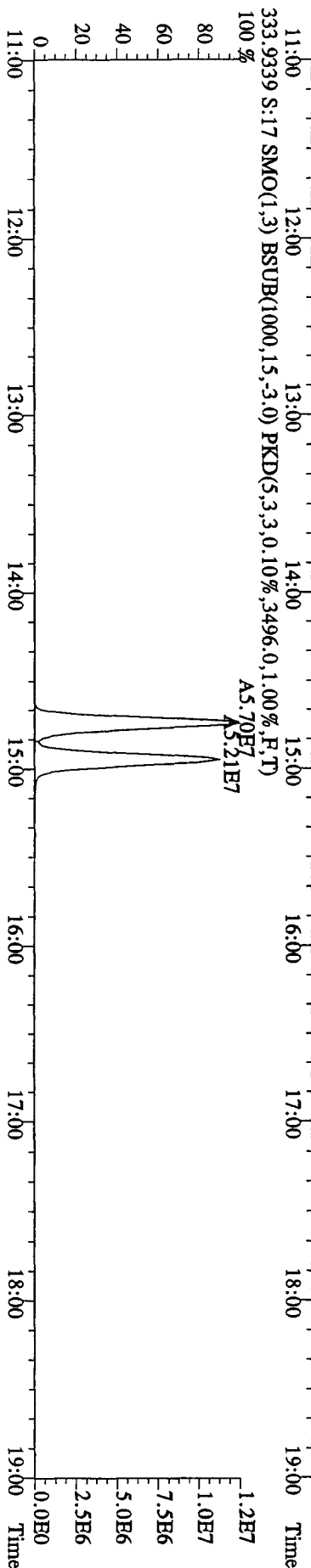
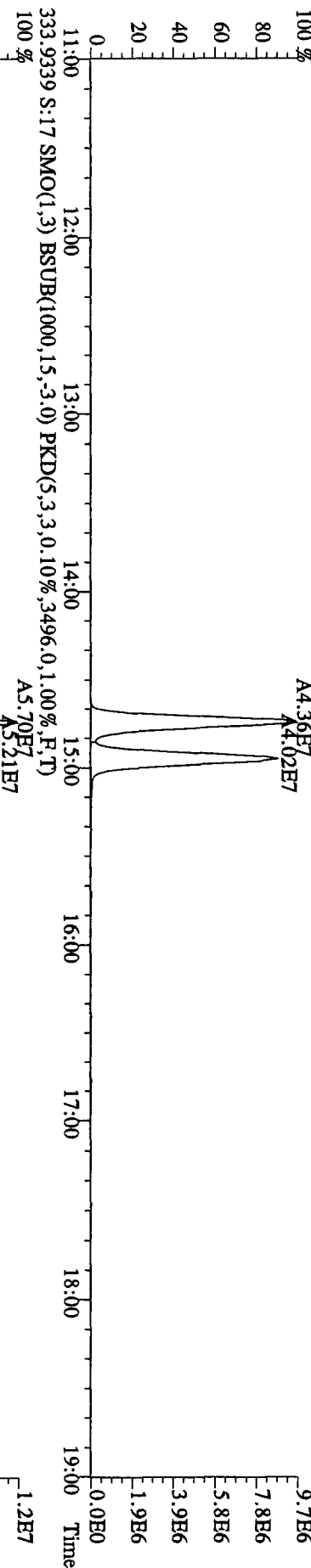
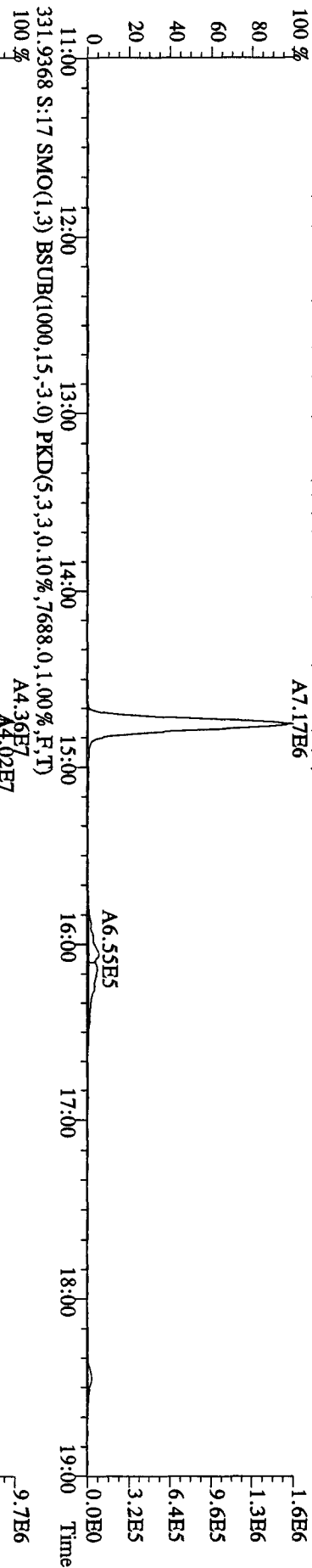
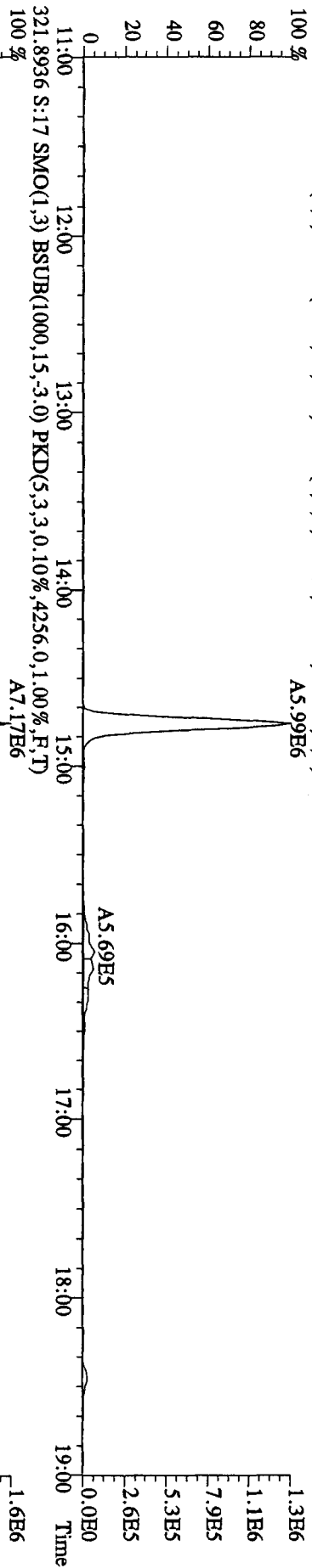
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text: ST104211 : CSS 09DXN456 Exp: DIOXIN
 375.8364 S: 1.5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1288.0,1.00%,F,T)



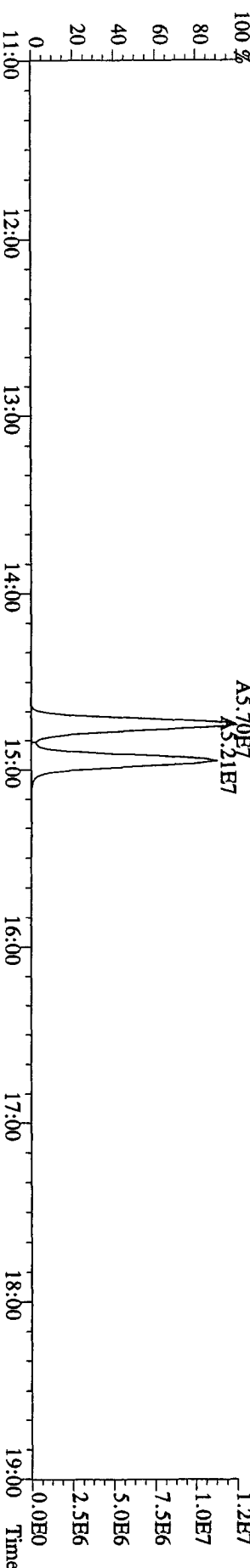
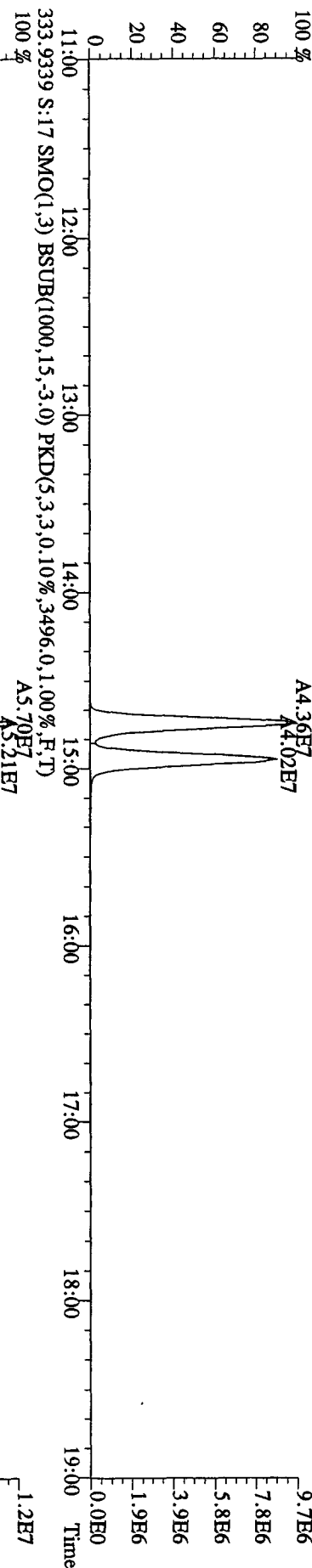
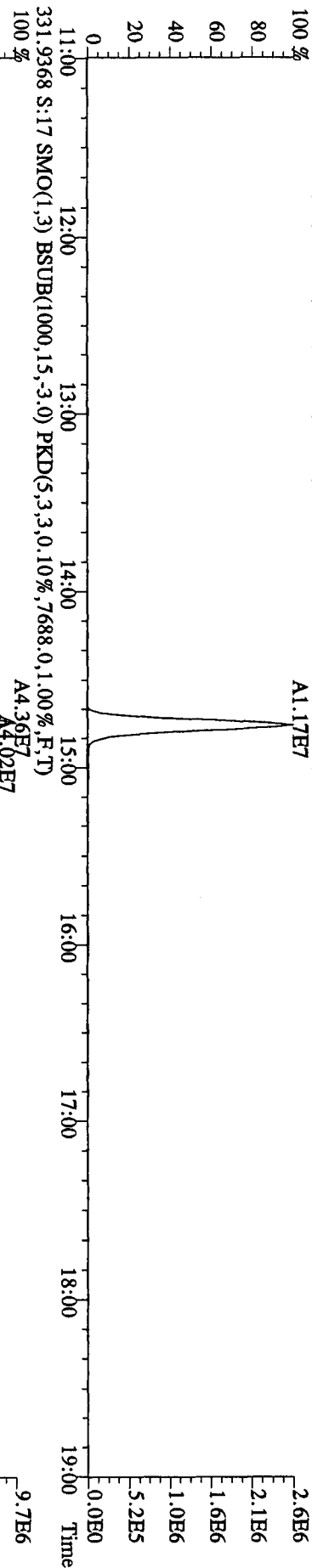
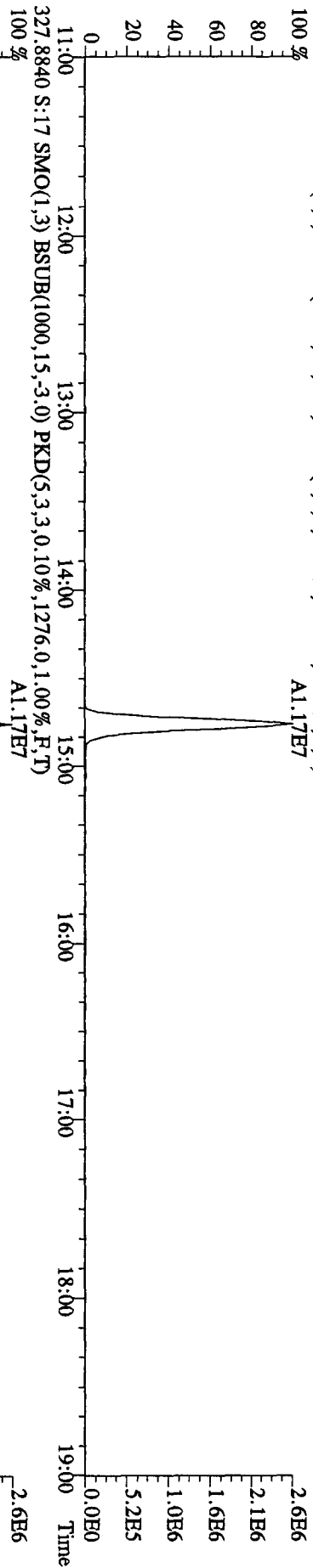
File:21API05D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0421L 2nd Source 09DXN449 Exp:DIOXIN
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)



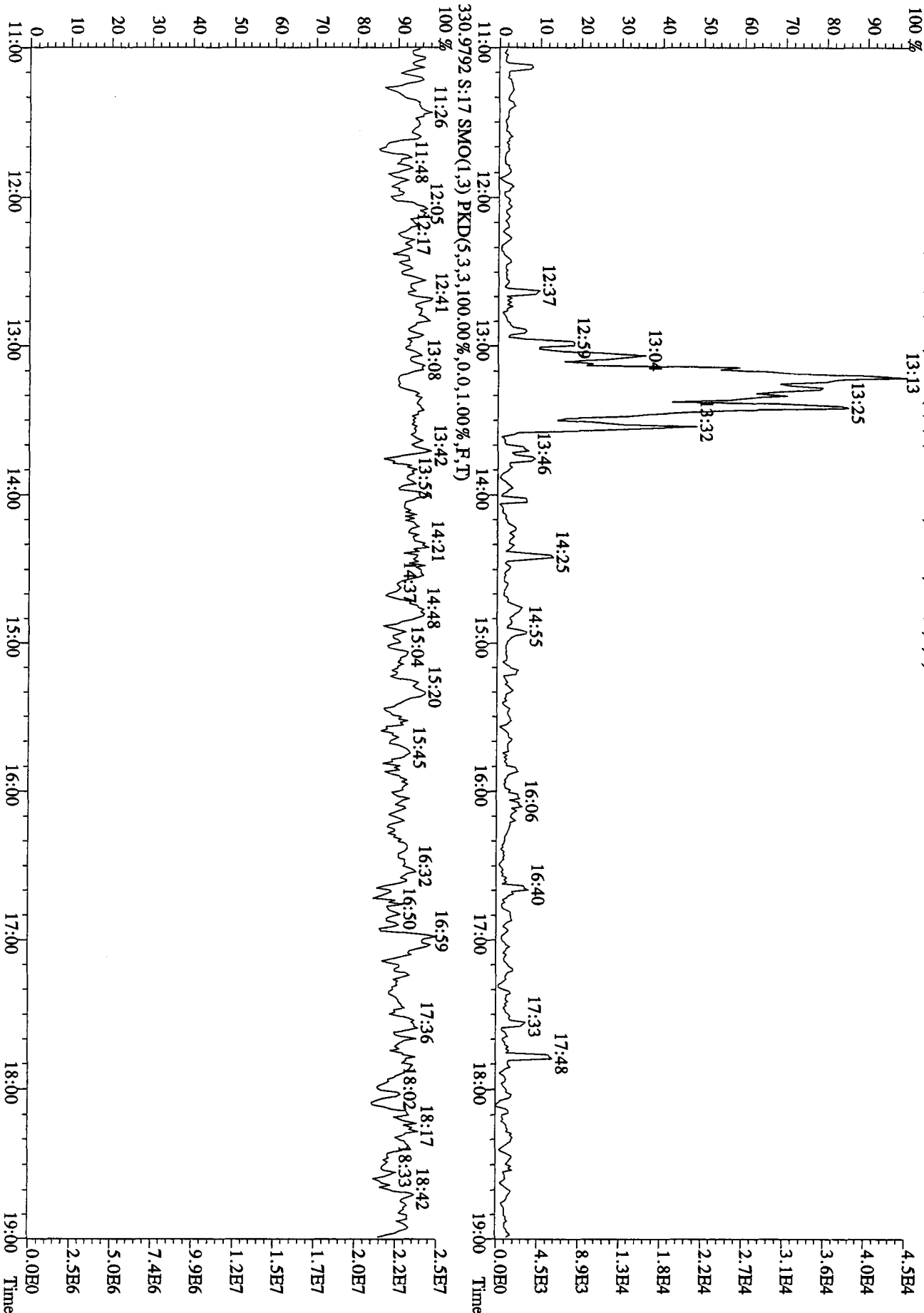
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0421L 2nd Source 09DXN449 Exp:DIOXIN
 319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T)
 100% A5.99E6



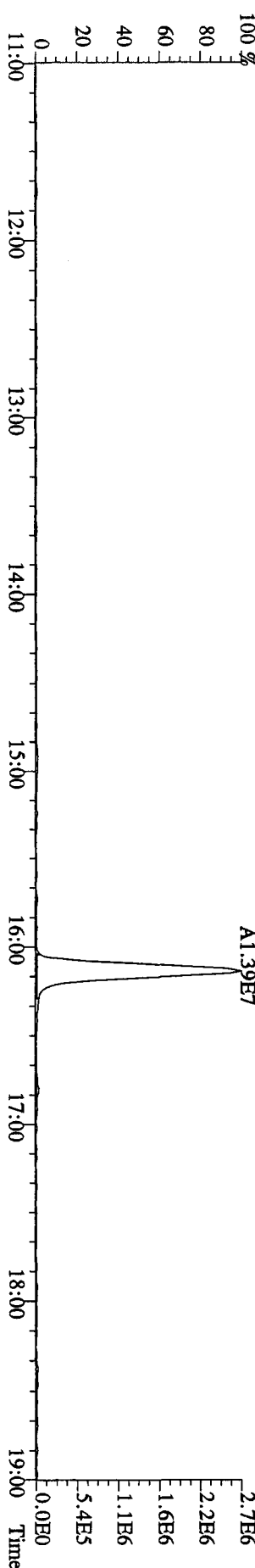
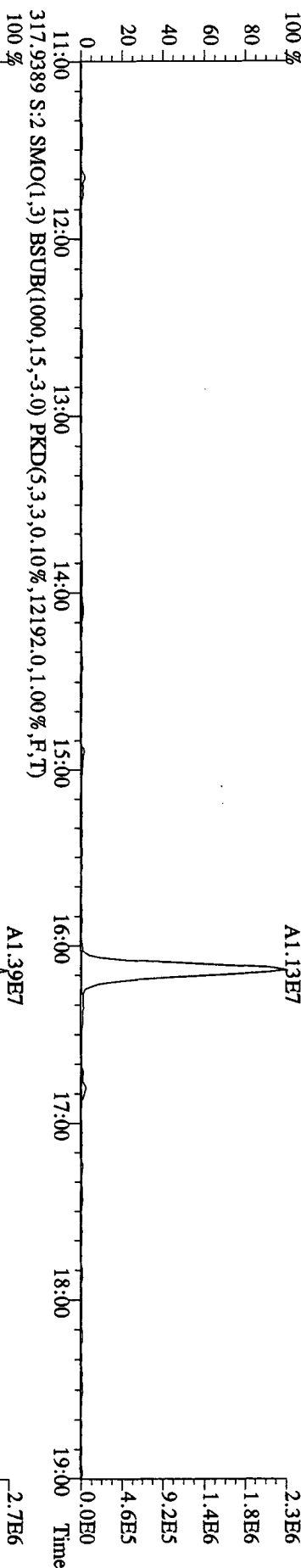
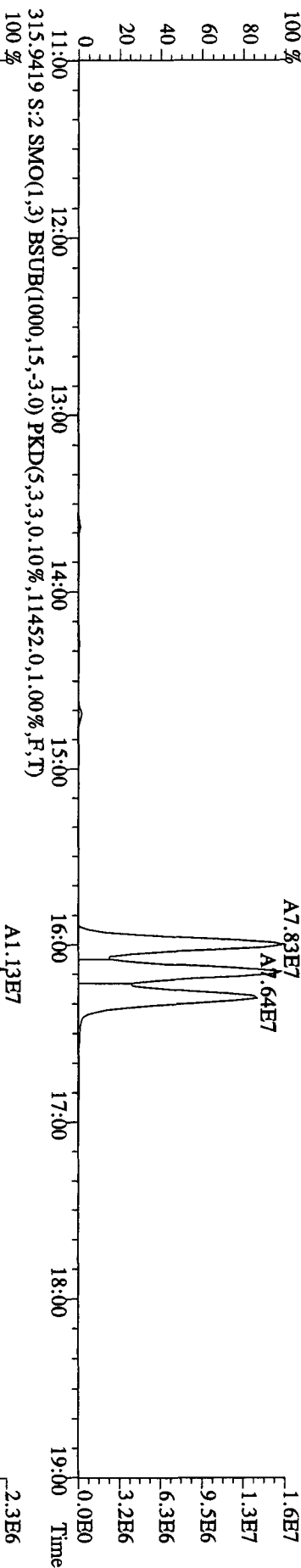
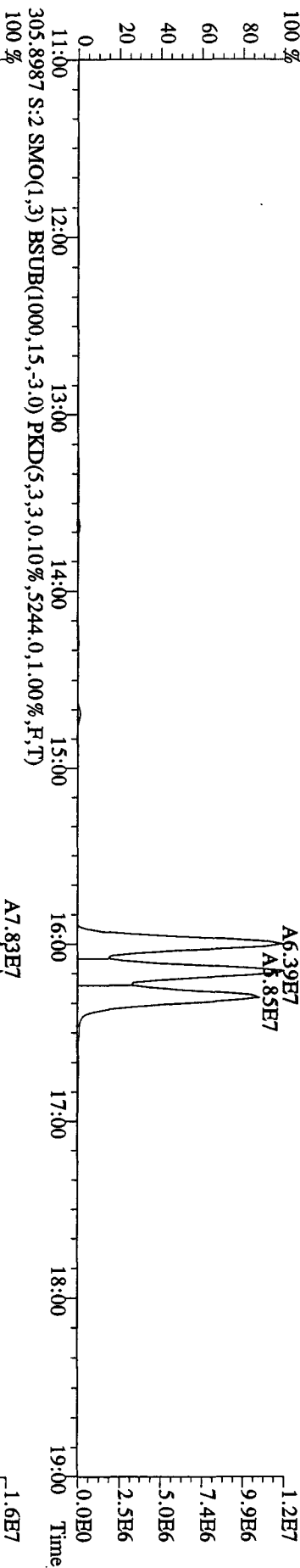
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
 327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)
 100% A1.17E7



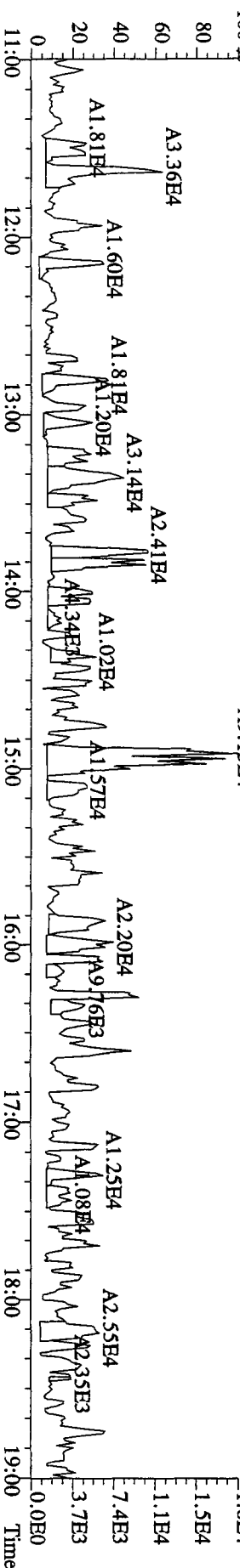
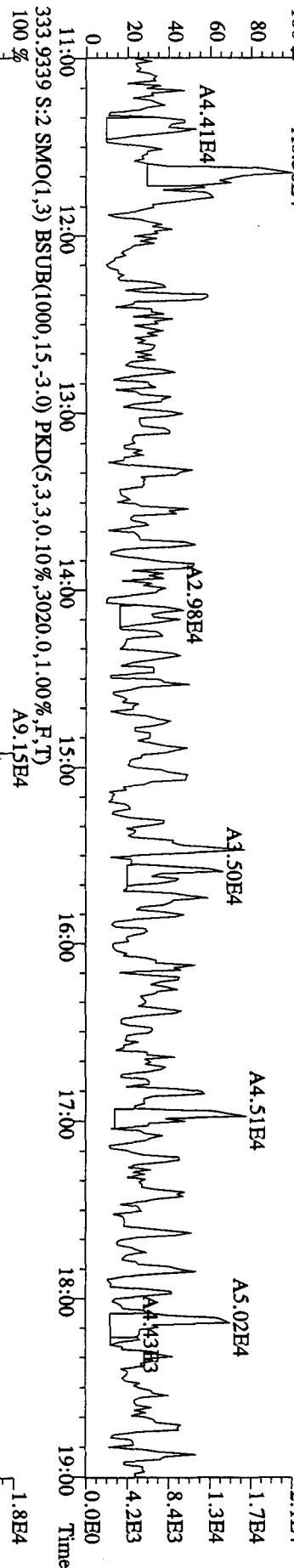
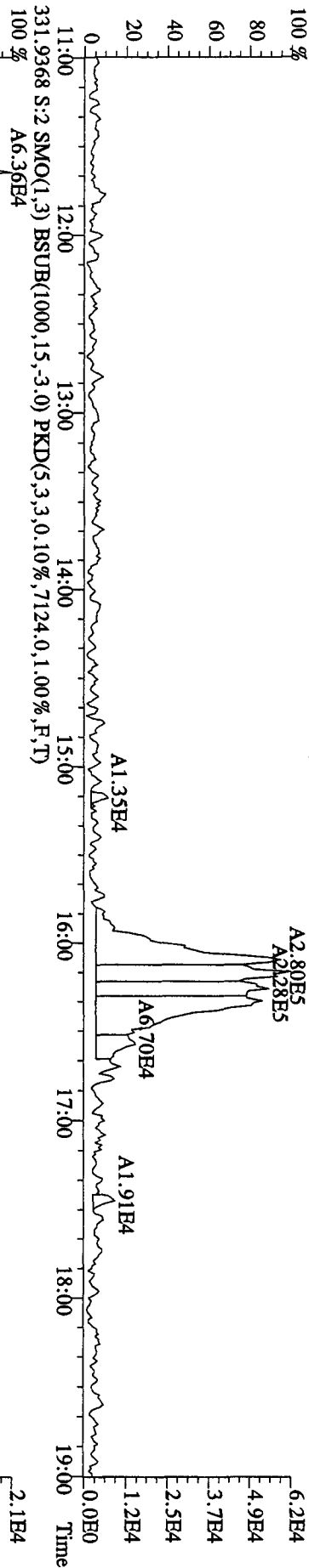
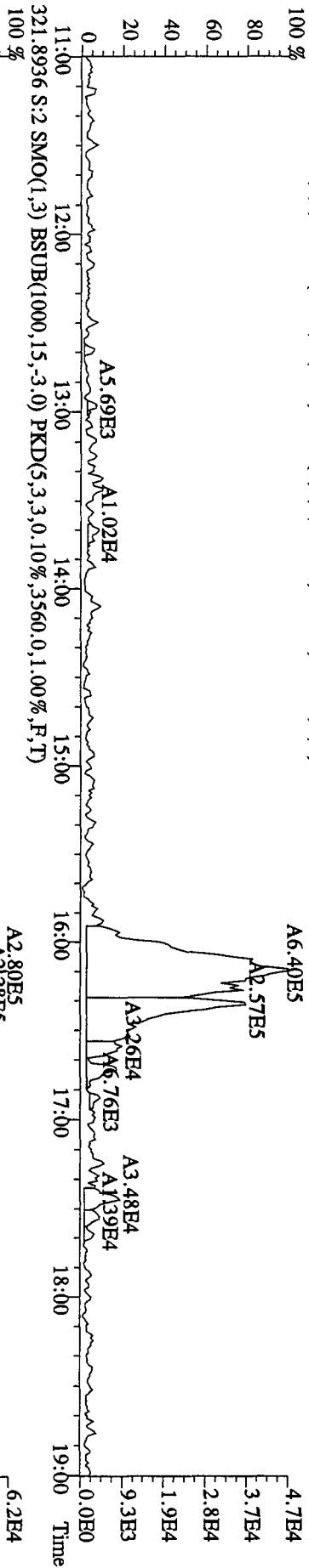
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
 375.8364 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1360.0,1.00%,F,T)
 100 % 13:13



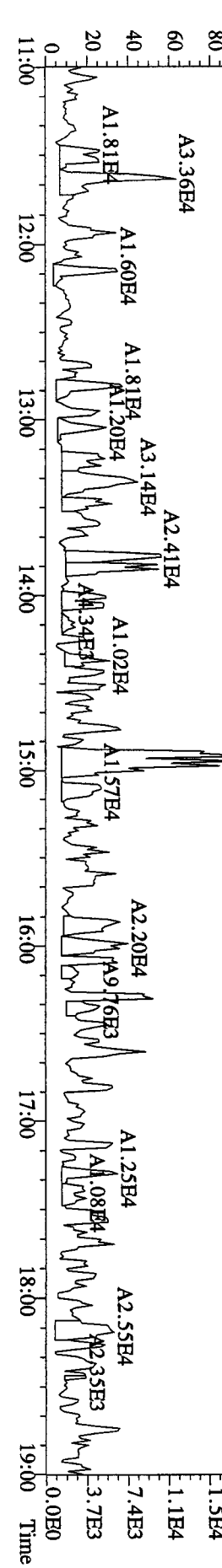
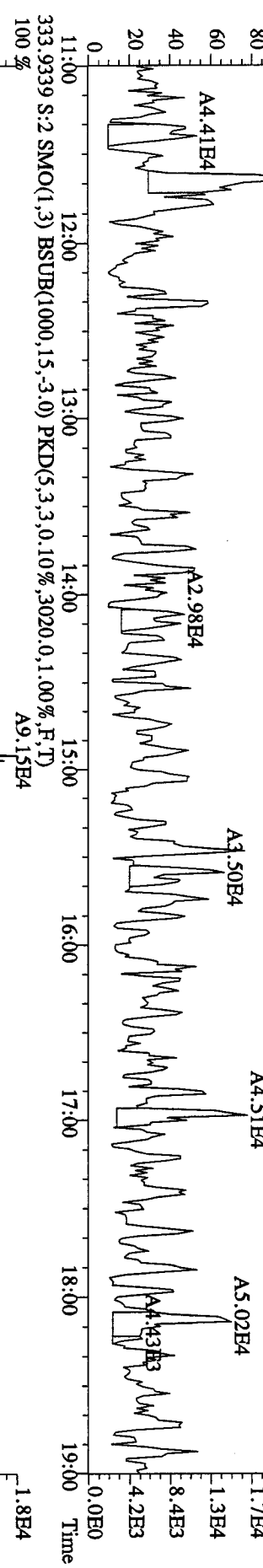
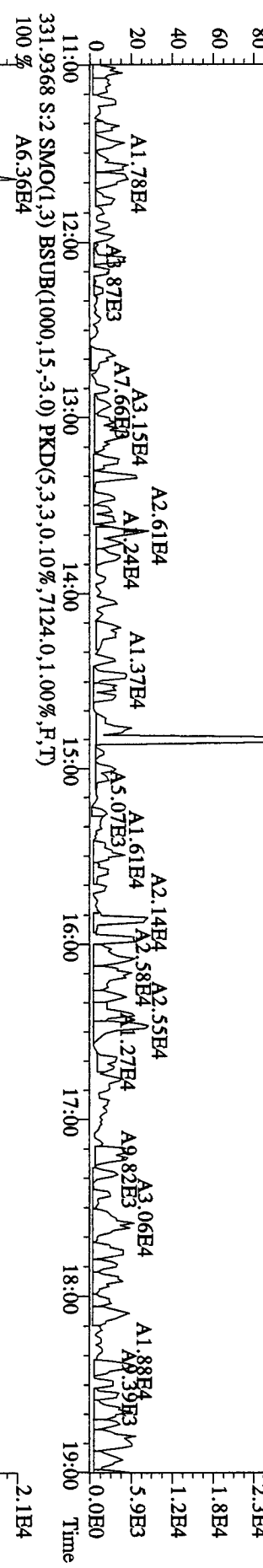
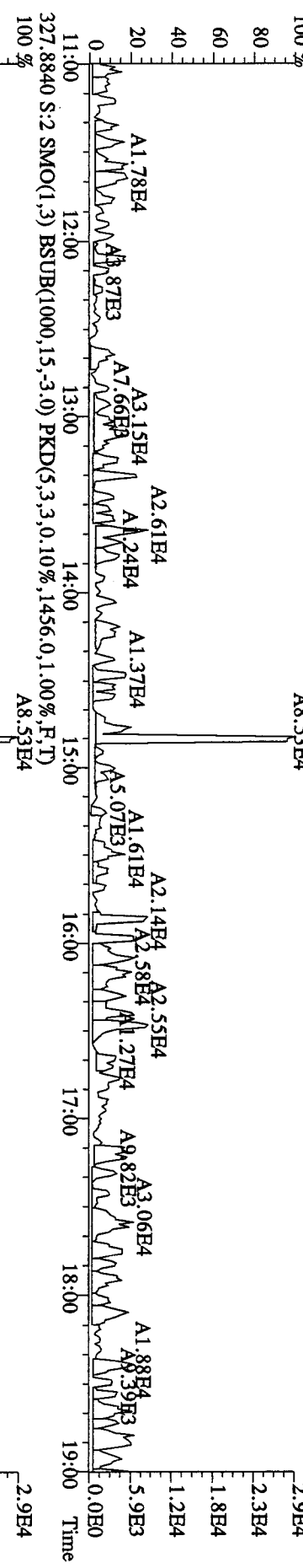
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0421 :DB-225 CP5M 3732-06 Exp: DIOXIN
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3996,0,1,00%,F,T)
 100%



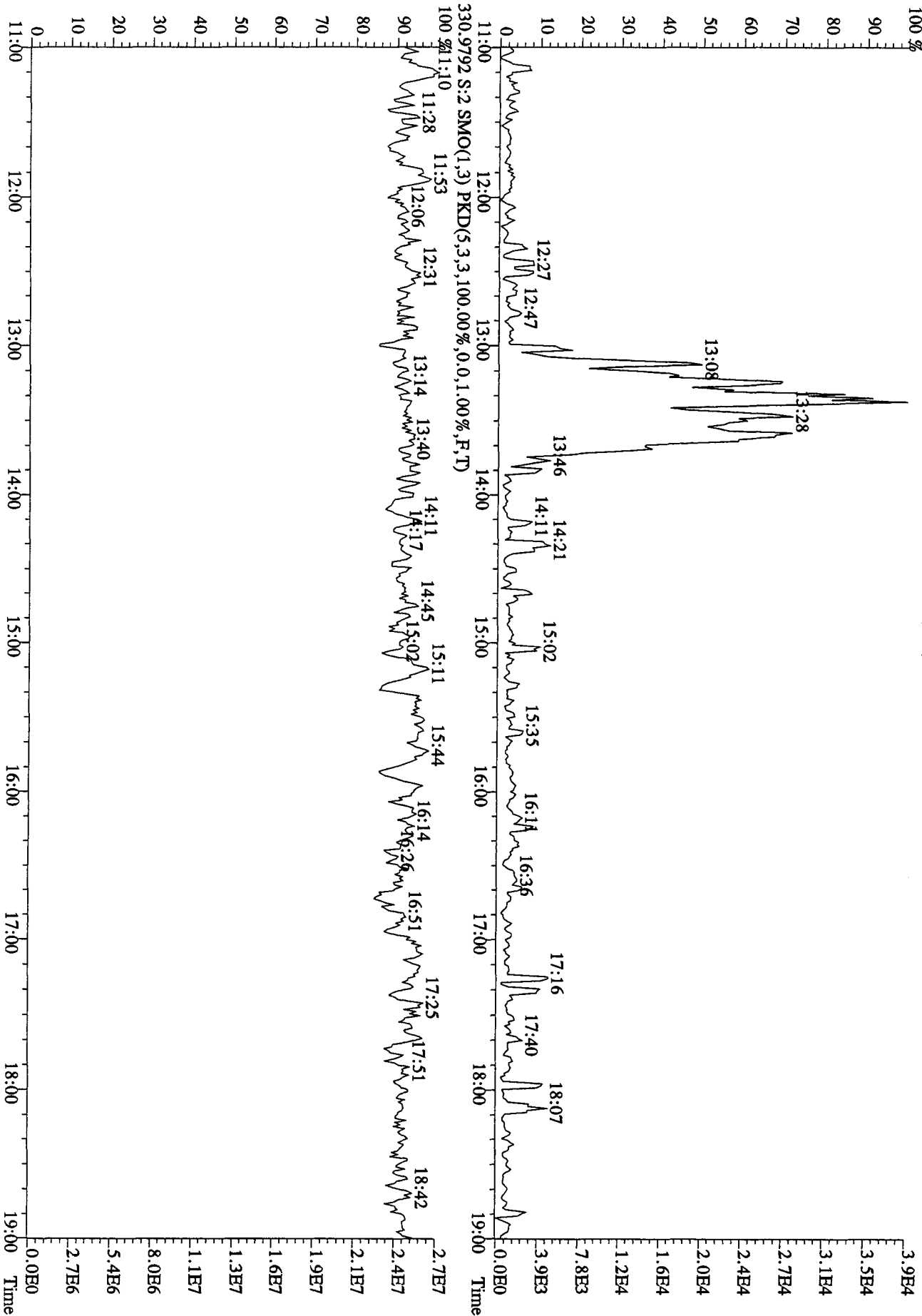
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC: EI+ Voltage: SIR 70SE
 Sample#2 Text: CP0421 :DB-225 CPISM 3732-06 Exp: DIOXIN
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384,0,1.00%,F,T)



File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0421 :DB-225 CPMS 3732-06 Exp: DIOXIN
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456,0,1.00%,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 CP5M 3732-06 Exp: DIOXIN
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)



Test America – West Sacramento



THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID ICA030420103D51613OCDD25

Method ID 1613B Date Scanned _____

Column ID DB5

Instrument ID 3D5

10DXN049,

STD ID's ST0304,(A, B, C, D.)

STD Solution 09DXN422(23,26,56)

GC Program OCDD25

Multiplier Setting 350

Analyzed By JRB

Date Analyzed 03/04/10

Prepared By JRB

Date Prepared 3/4/10

Reviewed By M.G.

Date Reviewed 3/5/10

ANALYSIS OBJECTIVE	INITIATED	COMPLETED
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 13C-1,2,3,4-TCDD RT = 26.21 min 13C-1,2,3,7,8,9-HxCDD RT = 41.66 min

*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

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 15:00:29 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 15:01:43 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5.mdb 31 Mar 2010 14:48:54

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.29217	0.15223	11.78067
4	2,3,7,8-TCDF	0.98315	0.04581	4.65926
5	Total TCDFs	0.98315	0.04581	4.65926
6				
7	13C-2,3,7,8-TCDD	0.89708	0.08170	9.10684
8	2,3,7,8-TCDD	1.05105	0.07819	7.43940
9	Total TCDDs	1.05105	0.07819	7.43940
10				
11	37CL-2,3,7,8-TCDD	1.06704	0.11260	10.55250
12				
13	13C-1,2,3,7,8-PeCDF	1.01112	0.14885	14.72150
14	1,2,3,7,8-PeCDF	1.01766	0.05712	5.61277
15	2,3,4,7,8-PeCDF	1.01420	0.03974	3.91833
16	Total F2 PeCDFs	1.01593	0.04687	4.61345
17	Total F1 PeCDFs	1.01593	0.04687	4.61345
18				
19	13C-1,2,3,7,8-PeCDD	0.66822	0.10736	16.06722
20	1,2,3,7,8-PeCDD	0.99572	0.04304	4.32214
21	Total PeCDDs	0.99572	0.04304	4.32213
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	0.88818	0.07131	8.02886
26	1,2,3,4,7,8-HxCDF	1.24155	0.08733	7.03397
27	1,2,3,6,7,8-HxCDF	1.42681	0.06317	4.42760
28	2,3,4,6,7,8-HxCDF	1.28770	0.05871	4.55964
29	1,2,3,7,8,9-HxCDF	1.21630	0.14130	11.61709
30	Total HxCDFs	1.29309	0.08375	6.47669
31				
32	13C-1,2,3,6,7,8-HxCDD	0.81128	0.07661	9.44287
33	1,2,3,4,7,8-HxCDD	0.88272	0.07520	8.51958
34	1,2,3,6,7,8-HxCDD	1.08449	0.06107	5.63094
35	1,2,3,7,8,9-HxCDD	1.18402	0.19196	16.21217
36	Total HxCDDs	1.05041	0.10668	10.15640
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.80110	0.04887	6.10082
39	1,2,3,4,6,7,8-HpCDF	1.38128	0.07667	5.55037
40	1,2,3,4,7,8,9-HpCDF	1.10952	0.09098	8.20003
41	Total HpCDFs	1.24540	0.07829	6.28644
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.68208	0.03757	5.50795
44	1,2,3,4,6,7,8-HpCDD	1.03068	0.04633	4.49467
45	Total HpCDDs	1.03068	0.04633	4.49467
46				
47	13C-OCDD	0.49708	0.05015	10.08808

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 15:00:29 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 15:01:43 Pacific Daylight Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.42582	0.12745	8.93881
49	OCDD	1.15547	0.07554	6.53715
50				
51				
52	Function 1 PFK			
53	Function 2 PFK			
54	Function 3 PFK			
55	Function 4 PFK			
56	Function 5 PFK			
57	TCDF PCDPE			
58	F1 PeCDF PCDPE			
59	F2 PeCDF PCDPE			
60	HXCDF PCDPE			
61	HPCDF PCDPE			
62	OCDF PCDPE			

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time
 Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5.mdb 31 Mar 2010 14:48:54
 Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 14:50:13

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.23	3040918	1.00000		0.768	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.59	3796912	1.24861		0.797	NO
4	2,3,7,8-TCDF	303.9016	25.61	18713	0.98567		0.721	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.45	2674113	0.87938		0.754	NO
8	2,3,7,8-TCDD	319.8965	26.48	12770	0.95510		0.679	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.48	14799	0.97333			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.49	2906060	0.95565		1.572	NO
14	1,2,3,7,8-PeCDF	339.8597	31.52	67918	0.93485		1.544	NO
15	2,3,4,7,8-PeCDF	339.8597	33.07	71354	0.98214		1.643	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	33.91	1903792	0.62606		1.585	NO
20	1,2,3,7,8-PeCDD	355.8546	33.94	45107	0.94773		1.573	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	41.67	2063438	1.00000		1.228	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	2017490	0.97773		0.516	NO
26	1,2,3,4,7,8-HxCDF	373.8208	40.23	56426	1.11873		1.273	NO
27	1,2,3,6,7,8-HxCDF	373.8208	40.38	66901	1.32642		1.257	NO
28	2,3,4,6,7,8-HxCDF	373.8208	41.11	61755	1.22440		1.221	NO
29	1,2,3,7,8,9-HxCDF	373.8208	41.86	52938	1.04959		1.279	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	41.37	1871453	0.90696		1.267	NO
33	1,2,3,4,7,8-HxCDD	389.8157	41.28	37015	0.79116		1.193	NO
34	1,2,3,6,7,8-HxCDD	389.8157	41.38	47051	1.00565		1.284	NO
35	1,2,3,7,8,9-HxCDD	389.8157	41.69	42915	0.91726		1.084	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.30	1792725	0.86880		0.434	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	43.32	56569	1.26218		1.048	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	44.49	44951	1.00296		1.056	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.17	1470497	0.71264		1.074	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.18	35892	0.97633		1.058	NO
45	Total HpCDDs	423.7766						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
47	13C-OCDD	469.7779	46.75	2142968	0.51927		0.926	NO
48	OCDF	441.7428	46.86	66237	1.23636		0.957	NO
49	OCDD	457.7377	46.76	55972	1.04476		0.909	NO
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555						
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 15:00:29 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 15:01:09 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5.mdb 31 Mar 2010 14:48:54

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.20	2736176	1.00000		0.784	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3226945	1.17936		0.791	NO
4	2,3,7,8-TCDF	303.9016	25.59	58333	0.90384		0.797	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.44	2268388	0.82904		0.801	NO
8	2,3,7,8-TCDD	319.8965	26.47	44311	0.97671		0.769	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.45	53661	0.98058			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.48	2424787	0.88620		1.633	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	237805	0.98073		1.602	NO
15	2,3,4,7,8-PeCDF	339.8597	33.06	234019	0.96511		1.604	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1536969	0.56172		1.599	NO
20	1,2,3,7,8-PeCDD	355.8546	33.91	146360	0.95226		1.635	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	1699406	1.00000	31-Mar-10	1.268	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	40.19	1557017	0.91621		0.504	NO
26	1,2,3,4,7,8-HxCDF	373.8208	40.21	184379	1.18418		1.242	NO
27	1,2,3,6,7,8-HxCDF	373.8208	40.37	219369	1.40891		1.287	NO
28	2,3,4,6,7,8-HxCDF	373.8208	41.08	193023	1.23970		1.271	NO
29	1,2,3,7,8,9-HxCDF	373.8208	41.85	171504	1.10149		1.264	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1427722	0.84013		1.364	NO
33	1,2,3,4,7,8-HxCDD	389.8157	41.27	118901	0.83280		1.235	NO
34	1,2,3,6,7,8-HxCDD	389.8157	41.37	149149	1.04466		1.274	NO
35	1,2,3,7,8,9-HxCDD	389.8157	41.67	154517	1.08226		1.319	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.29	1375556	0.80943		0.446	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	43.30	188915	1.37337		1.054	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	140104	1.01853		0.951	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1142493	0.67229		1.055	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	113091	0.98986		1.039	NO
45	Total HpCDDs	423.7766						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 15:00:29 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 15:01:09 Pacific Daylight Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
47	13C-OCDD	469.7779	46.74	1597528	0.47003		0.926	NO
48	OCDF	441.7428	46.84	215871	1.35128		0.935	NO
49	OCDD	457.7377	46.75	179019	1.12060		0.864	NO
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555						
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.20	2736176	1.00000		0.784	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3226945	1.17936		0.791	NO
4	2,3,7,8-TCDF	303.9016	25.59	58333	0.90384		0.797	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.44	2268388	0.82904		0.801	NO
8	2,3,7,8-TCDD	319.8965	26.47	44311	0.97671		0.769	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.45	53661	0.98058			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.48	2424787	0.88620		1.633	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	237805	0.98073		1.602	NO
15	2,3,4,7,8-PeCDF	339.8597	33.06	234019	0.96511		1.604	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1536969	0.56172		1.599	NO
20	1,2,3,7,8-PeCDD	355.8546	33.91	146360	0.95226		1.635	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	1824371	1.00000		1.435	YES
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	40.19	1557017	0.85345		0.504	NO
26	1,2,3,4,7,8-HxCDF	373.8208	40.21	184379	1.18418		1.242	NO
27	1,2,3,6,7,8-HxCDF	373.8208	40.37	219369	1.40891		1.287	NO
28	2,3,4,6,7,8-HxCDF	373.8208	41.08	193023	1.23970		1.271	NO
29	1,2,3,7,8,9-HxCDF	373.8208	41.85	171504	1.10149		1.264	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1427722	0.78258		1.364	NO
33	1,2,3,4,7,8-HxCDD	389.8157	41.27	118901	0.83280		1.235	NO
34	1,2,3,6,7,8-HxCDD	389.8157	41.37	149149	1.04466		1.274	NO
35	1,2,3,7,8,9-HxCDD	389.8157	41.67	154517	1.08226		1.319	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.29	1375556	0.75399		0.446	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	43.30	188915	1.37337		1.054	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	140104	1.01853		0.951	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1142493	0.62624		1.055	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	113091	0.98986		1.039	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	46.74	1597528	0.43783		0.926	NO
48	OCDF	441.7428	46.84	215871	1.35128		0.935	NO
49	OCDD	457.7377	46.75	179019	1.12060		0.864	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555						
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.21	2618099	1.00000		0.770	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3447719	1.31688		0.790	NO
4	2,3,7,8-TCDF	303.9016	25.59	351020	1.01812		0.777	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.44	2389723	0.91277		0.793	NO
8	2,3,7,8-TCDD	319.8965	26.47	266035	1.11325		0.793	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.47	288862	1.10333			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.49	2673242	1.02106		1.590	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	1420755	1.06295		1.567	NO
15	2,3,4,7,8-PeCDF	339.8597	33.07	1419244	1.06181		1.577	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1789273	0.68342		1.591	NO
20	1,2,3,7,8-PeCDD	355.8546	33.93	912918	1.02043		1.645	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	2076425	1.00000		1.336	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	1827917	0.88032		0.525	NO
26	1,2,3,4,7,8-HxCDF	373.8208	40.22	1168554	1.27856		1.244	NO
27	1,2,3,6,7,8-HxCDF	373.8208	40.37	1360565	1.48865		1.197	NO
28	2,3,4,6,7,8-HxCDF	373.8208	41.09	1169048	1.27910		1.249	NO
29	1,2,3,7,8,9-HxCDF	373.8208	41.85	1145622	1.25347		1.255	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1677700	0.80797		1.280	NO
33	1,2,3,4,7,8-HxCDD	389.8157	41.27	742242	0.88483		1.261	NO
34	1,2,3,6,7,8-HxCDD	389.8157	41.37	915194	1.09101		1.267	NO
35	1,2,3,7,8,9-HxCDD	389.8157	41.67	1014281	1.20913		1.252	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.29	1609884	0.77532		0.457	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	43.30	1183771	1.47063		1.033	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	939354	1.16698		1.047	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1390048	0.66944		1.074	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	754531	1.08562		1.103	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	46.74	1929564	0.46464		0.904	NO
48	OCDF	441.7428	46.85	1465508	1.51900		0.880	NO
49	OCDD	457.7377	46.75	1182937	1.22612		0.856	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555						
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\CA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.21	2858369	1.00000		0.777	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3351593	1.17255		0.800	NO
4	2,3,7,8-TCDF	303.9016	25.61	1345659	1.00375		0.789	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.45	2385359	0.83452		0.774	NO
8	2,3,7,8-TCDD	319.8965	26.47	1057156	1.10796		0.772	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.47	1180208	1.03224			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.48	2658410	0.93004		1.587	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	5618237	1.05669		1.566	NO
15	2,3,4,7,8-PeCDF	339.8597	33.07	5508055	1.03597		1.558	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1788555	0.62573		1.580	NO
20	1,2,3,7,8-PeCDD	355.8546	33.93	3730469	1.04287		1.618	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	2275301	1.00000		1.302	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	1777234	0.78110		0.520	NO
26	1,2,3,4,7,8-HxCDF	373.8208	40.22	4724124	1.32907		1.256	NO
27	1,2,3,6,7,8-HxCDF	373.8208	40.38	5202302	1.46360		1.274	NO
28	2,3,4,6,7,8-HxCDF	373.8208	41.09	4753423	1.33731		1.235	NO
29	1,2,3,7,8,9-HxCDF	373.8208	41.85	4977423	1.40033		1.205	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1582027	0.69530		1.254	NO
33	1,2,3,4,7,8-HxCDD	389.8157	41.28	2912544	0.92051		1.254	NO
34	1,2,3,6,7,8-HxCDD	389.8157	41.37	3671482	1.16037		1.265	NO
35	1,2,3,7,8,9-HxCDD	389.8157	41.67	4466861	1.41175		1.242	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.30	1677838	0.73741		0.471	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	43.32	4755038	1.41701		1.006	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	3913034	1.16609		1.001	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1435686	0.63099		1.031	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	3040980	1.05907		1.045	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	46.74	2076104	0.45623		0.882	NO
48	OCDF	441.7428	46.85	6321603	1.52247		0.895	NO
49	OCDD	457.7377	46.75	5068983	1.22079		0.940	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555						
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\CA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.21	2394707	1.00000		0.771	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3696153	1.54347		0.806	NO
4	2,3,7,8-TCDF	303.9016	25.61	7424463	1.00435		0.768	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.45	2465877	1.02972		0.752	NO
8	2,3,7,8-TCDD	319.8965	26.47	5435781	1.10220		0.790	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.47	5966306	1.24573			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.49	3023706	1.26266		1.602	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	31842201	1.05309		1.564	NO
15	2,3,4,7,8-PeCDF	339.8597	33.07	31021834	1.02595		1.565	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	33.90	2021493	0.84415		1.621	NO
20	1,2,3,7,8-PeCDD	355.8546	33.94	20524164	1.01530		1.595	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	2376282	1.00000		1.234	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	2104253	0.88552		0.528	NO
26	1,2,3,4,7,8-HxCDF	373.8208	40.23	27297113	1.29724		1.249	NO
27	1,2,3,6,7,8-HxCDF	373.8208	40.38	30437920	1.44650		1.257	NO
28	2,3,4,6,7,8-HxCDF	373.8208	41.09	28575895	1.35801		1.280	NO
29	1,2,3,7,8,9-HxCDF	373.8208	41.86	26863327	1.27662		1.257	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	41.37	1915387	0.80604		1.276	NO
33	1,2,3,4,7,8-HxCDD	389.8157	41.28	18852814	0.98428		1.242	NO
34	1,2,3,6,7,8-HxCDD	389.8157	41.38	21466604	1.12074		1.265	NO
35	1,2,3,7,8,9-HxCDD	389.8157	41.67	24894057	1.29969		1.265	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.30	1935549	0.81453		0.471	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	43.32	26772160	1.38318		1.015	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	44.49	23091444	1.19302		1.042	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.17	1722897	0.72504		1.029	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.18	17961810	1.04254		1.046	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	46.75	2733974	0.57526		0.944	NO
48	OCDF	441.7428	46.85	41009042	1.49998		0.914	NO
49	OCDD	457.7377	46.76	31853261	1.16509		0.897	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D58290OCDD25.qld

Last Altered: Wednesday, March 31, 2010 14:50:13 Pacific Daylight Time

Printed: Wednesday, March 31, 2010 14:53:09 Pacific Daylight Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555						
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Sample List Report**MassLynx 4.1**

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\04MR103D5CURVE.SPL

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Last Modified: Thursday, March 04, 2010 15:41:16 Pacific Standard Time

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Page Position (1, 1)

	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle	FV_uL
1	04MR103D5_01	CS-1 09DXN422	ST0304	---	---	1.000000	---	Tray01:1	---
2	04MR103D5_02	CS-2 09DXN423	ST0304A	---	---	1.000000	---	Tray01:2	---
3	04MR103D5_03	CS-3 10DXN049	ST0304B	---	---	1.000000	---	Tray01:3	---
4	04MR103D5_04	CS-4 09DXN426	ST0304C	---	---	1.000000	---	Tray01:4	---
5	04MR103D5_05	CS-5 09DXN456	ST0304D	---	---	1.000000	---	Tray01:5	---
6	04MR103D5_06	2nd Source 09DXN449	ST0304E	1613B/8290	---	1.000000	---	Tray01:6	20
7	04MR103D5_07	DB5 CPSM 3732-05	CP0304	---	---	1.000000	---	Tray01:7	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\04MR103D5CURVE.SPL

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Last Modified: Thursday, March 04, 2010 15:41:16 Pacific Standard Time

Printed: Thursday, March 04, 2010 15:41:21 Pacific Standard Time

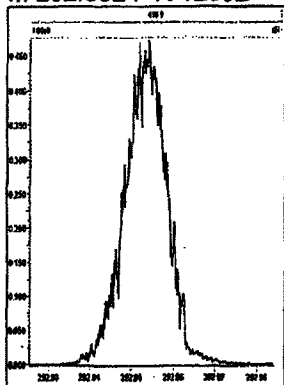
Page Position (2, 1)

Inj Vol	Sam Typ	Analyst	MS File	Ini File	ConA	ConB	ConC	ConD	ConE	ConF	ConG
2.000000	Standard	JRB	OCDD25	OCDD25	0.5	2.5	5	100	200	0.5	100
2.000000	Standard	JRB	OCDD25	OCDD25	2	10	20	100	200	2	100
2.000000	Standard	JRB	OCDD25	OCDD25	10	50	100	100	200	10	100
2.000000	Standard	JRB	OCDD25	OCDD25	40	200	400	100	200	40	100
2.000000	Standard	JRB	OCDD25	OCDD25	200	1000	2000	100	200	200	100
2.000000	Analyte	JRB	OCDD25	OCDD25	---	---	---	2000	4000	200	2000
2.000000	Analyte	JRB	OCDD25	OCDD25	---	---	---	---	---	---	---

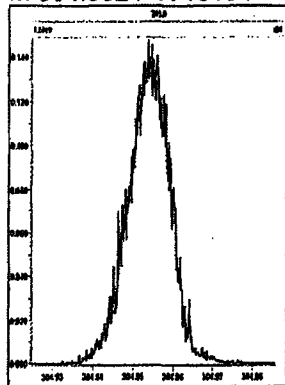
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, March 04, 2010 11:06:13 Pacific Standard Time

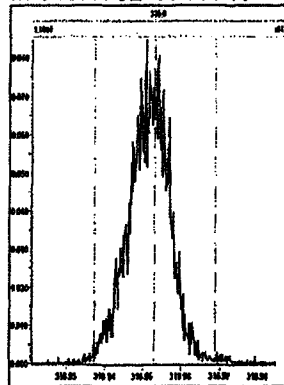
M 292.9824 R 12892



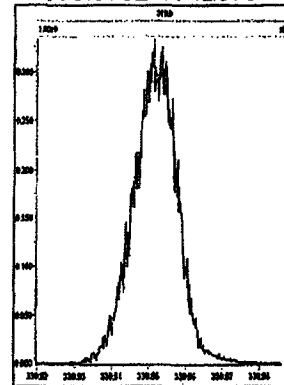
M 304.9824 R 13154



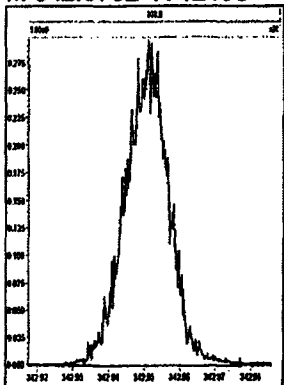
M 318.9792 R 13515



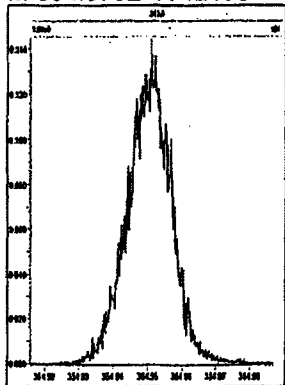
M 330.9792 R 12375



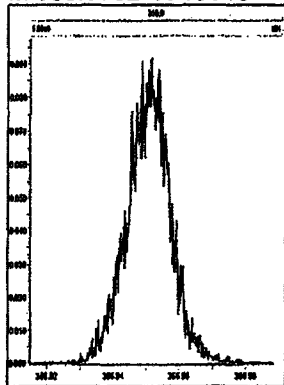
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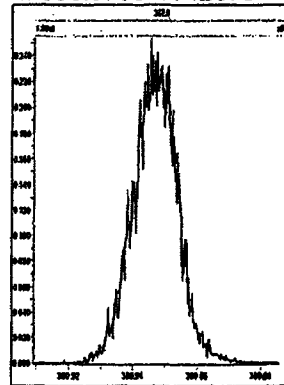
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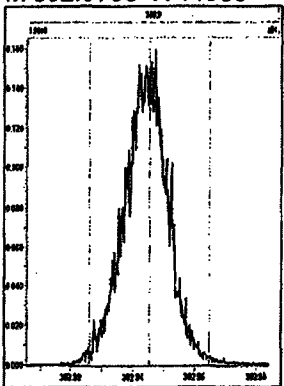
M 366.9792 R 13518



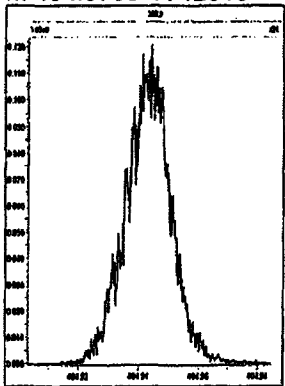
M 380.9760 R 12075



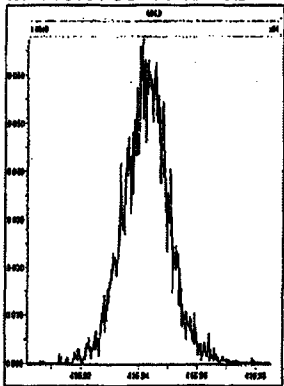
M 392.9760 R 11905



M 404.9760 R 12018



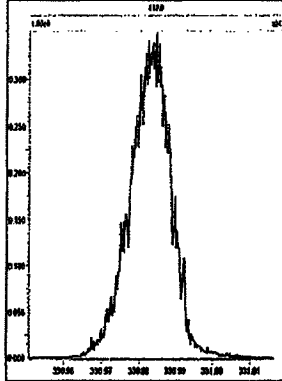
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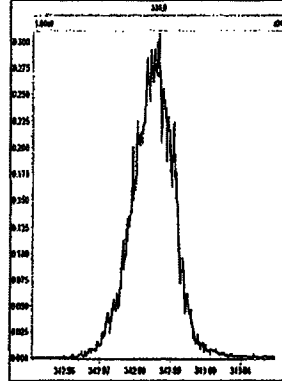
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Printed: Thursday, March 04, 2010 11:06:52 Pacific Standard Time

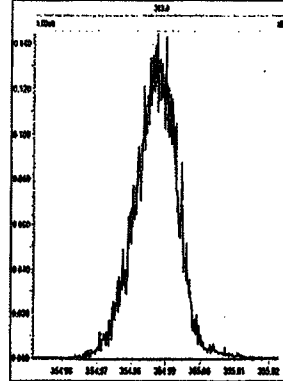
M 330.9792 R 13514



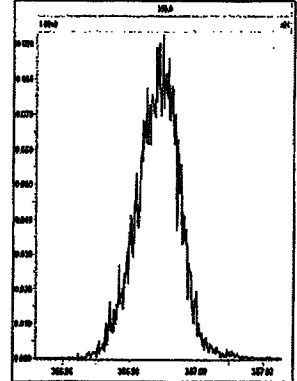
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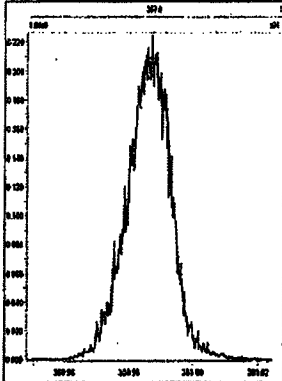
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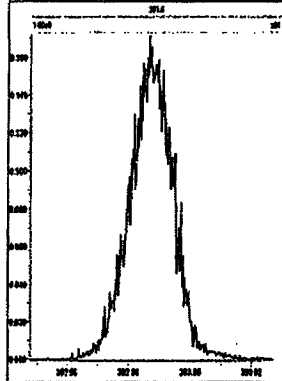
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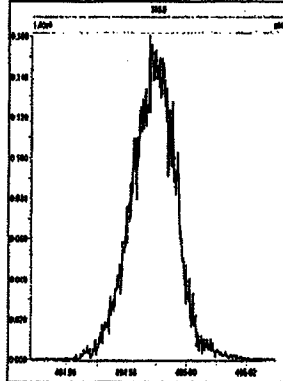
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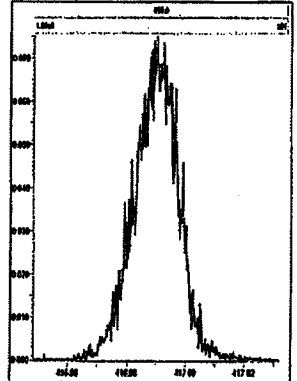
M 392.9760 R 13160



M 404.9760 R 12500



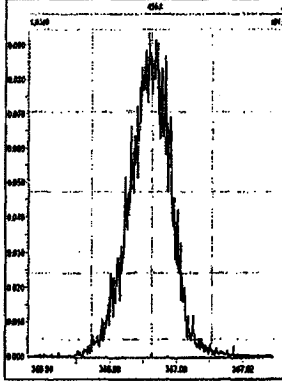
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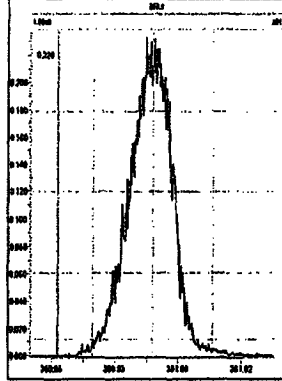
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Printed: Thursday, March 04, 2010 11:07:21 Pacific Standard Time

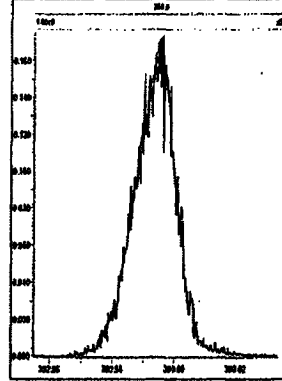
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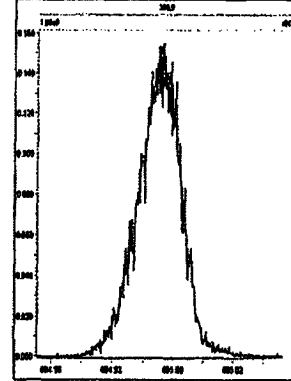
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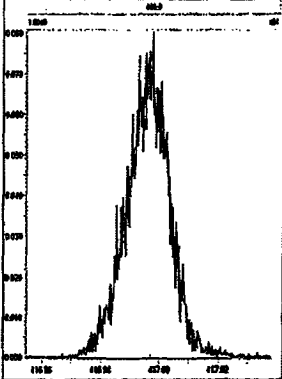
M 392.9760 R 12565



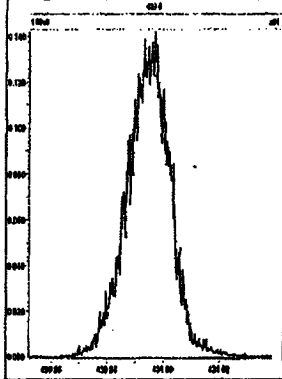
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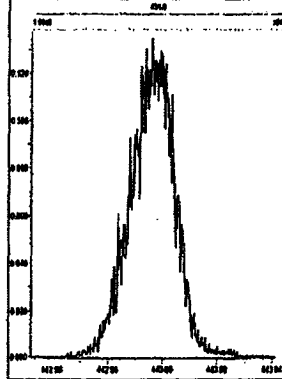
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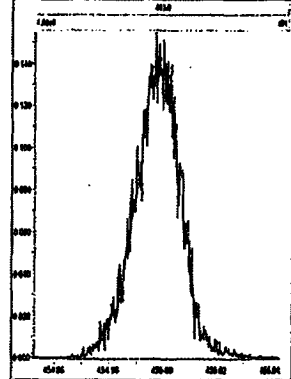
M 430.9728 R 12753



M 442.9728 R 12136



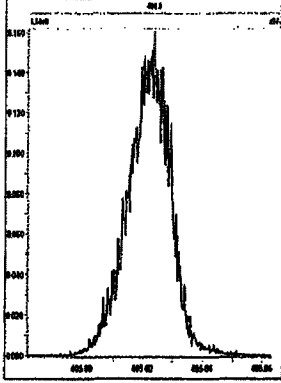
M 454.9728 R 12076



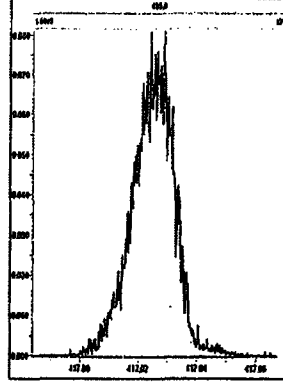
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Printed: Thursday, March 04, 2010 11:07:58 Pacific Standard Time

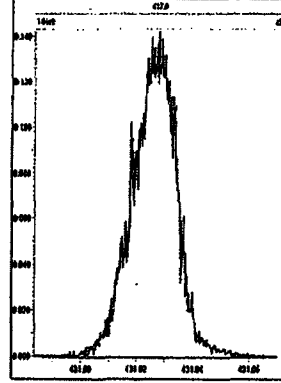
M 404.9760 R 12501



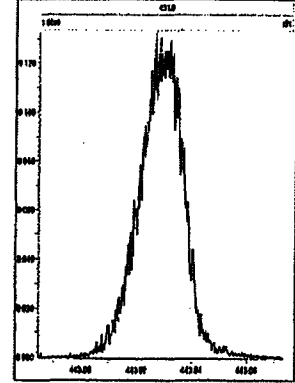
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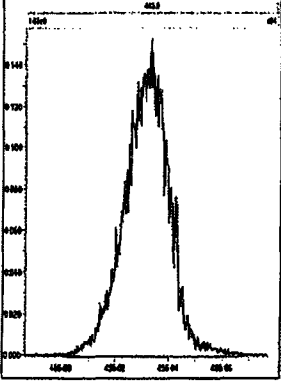
M 430.9728 R 12503



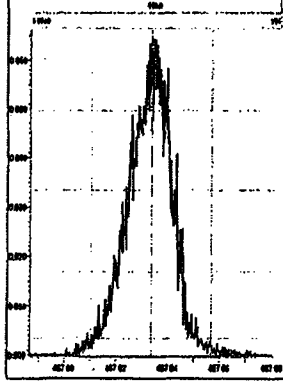
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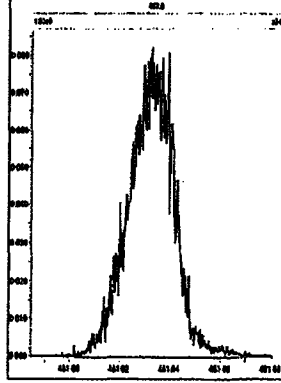
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M 466.9728 R 11576



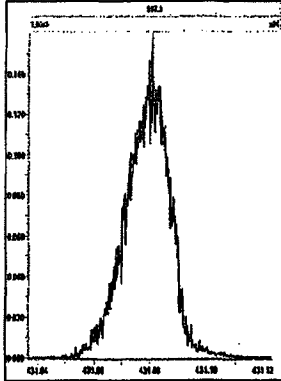
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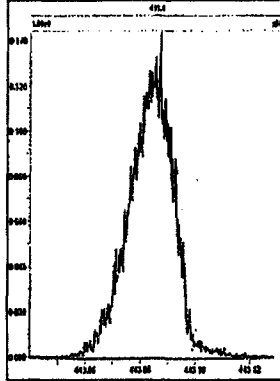
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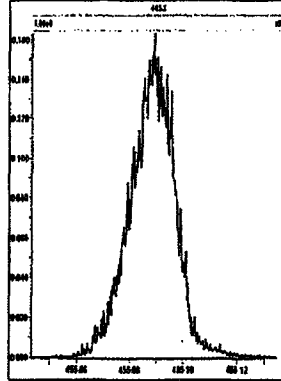
M 430.9728 R 13369



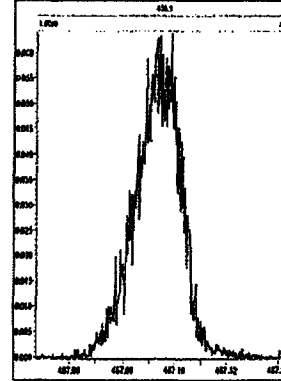
M 442.9728 R 12819



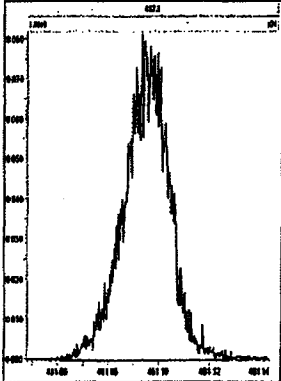
M 454.9728 R 12017



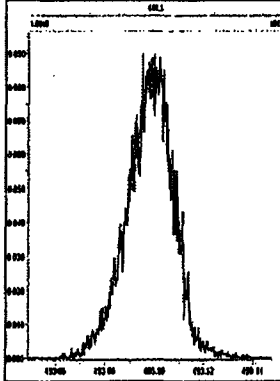
M 466.9728 R 13021



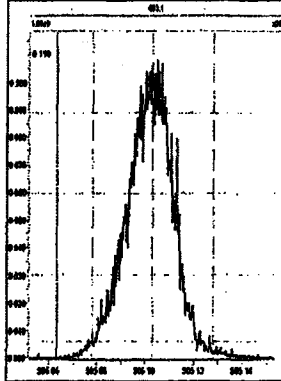
M 480.9696 R 11847



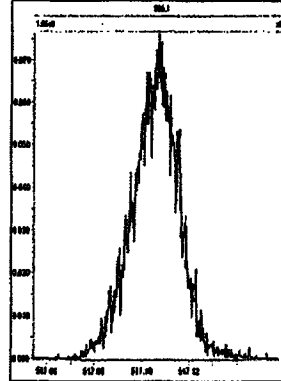
M 492.9696 R 12257



M 504.9696 R 11905



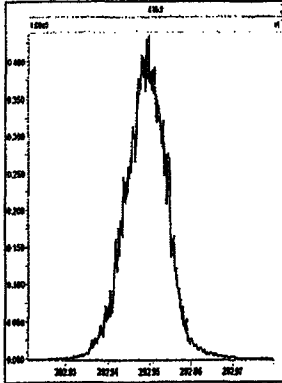
M 516.9697 R 12080



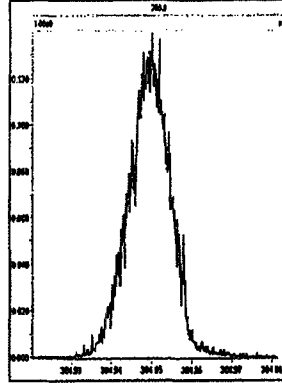
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

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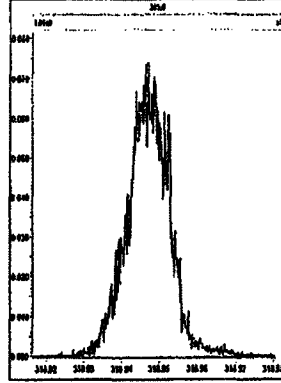
M 292.9824 R 13226



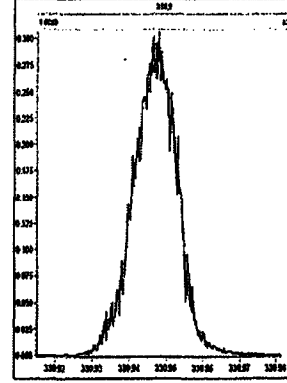
M 304.9824 R 12312



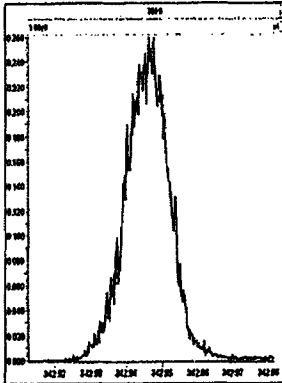
M 318.9792 R 13016



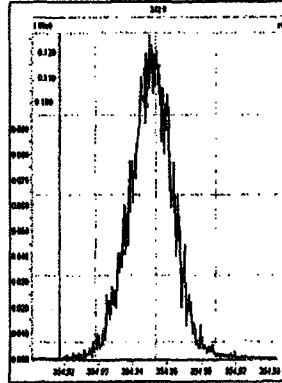
M 330.9792 R 12375



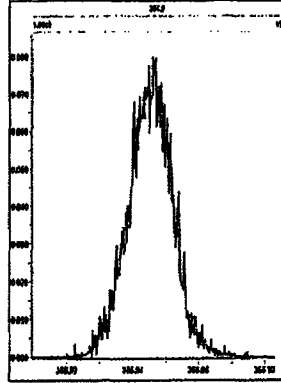
M 342.9792 R 12257



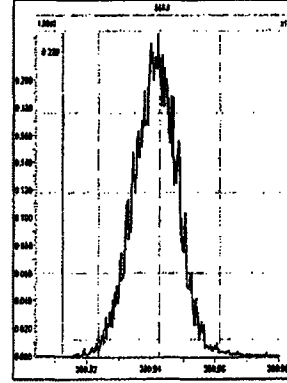
M 354.9792 R 13228



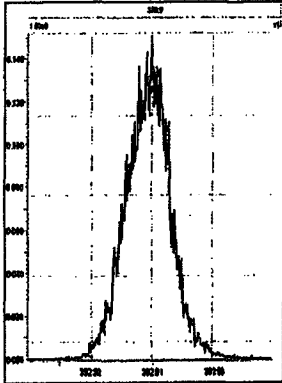
M 366.9792 R 12134



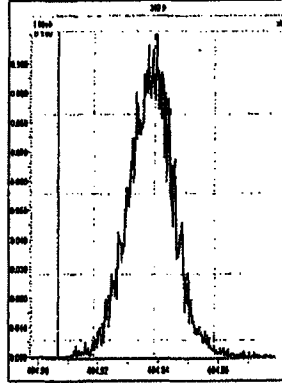
M 380.9760 R 12192



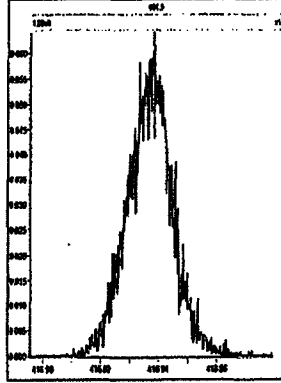
M 392.9760 R 12136



M 404.9760 R 11414



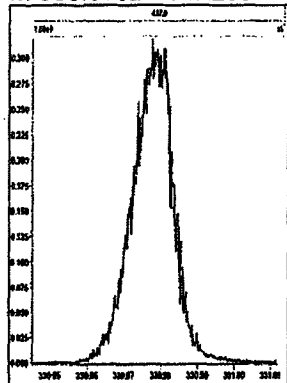
M 416.9760 R 13443



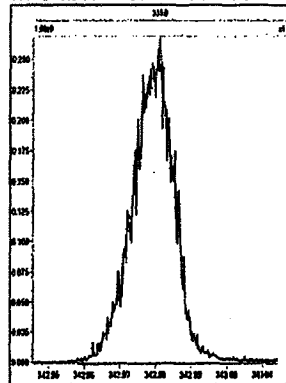
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, March 04, 2010 17:15:42 Pacific Standard Time

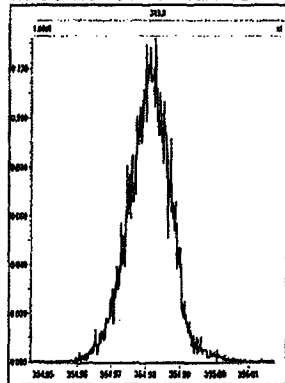
M 330.9792 R 12255



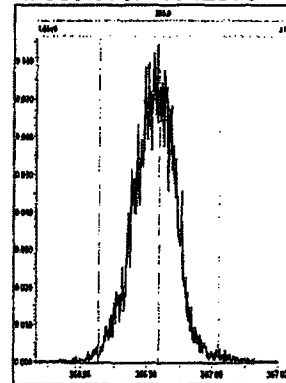
M 342.9792 R 13019



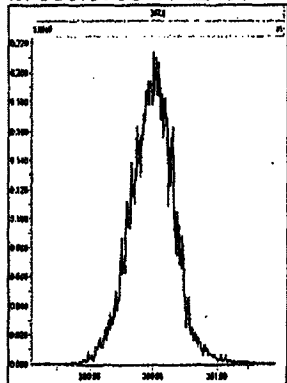
M 354.9792 R 12955



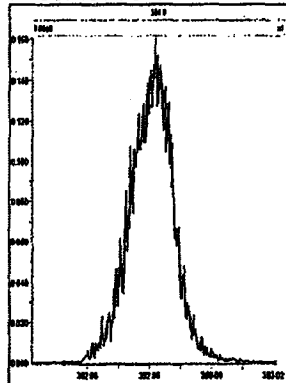
M 366.9792 R 12376



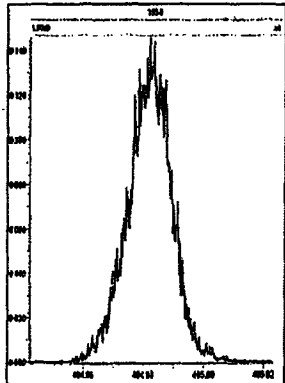
M 380.9760 R 12436



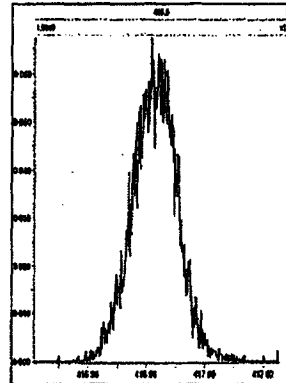
M 392.9760 R 12317



M 404.9760 R 12255



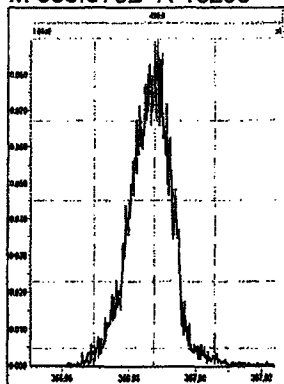
M 416.9760 R 11631



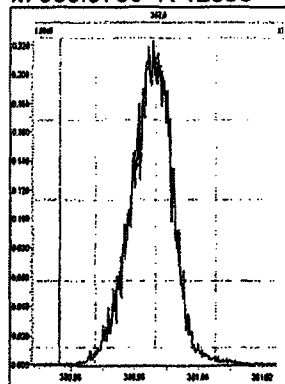
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, March 04, 2010 17:16:07 Pacific Standard Time

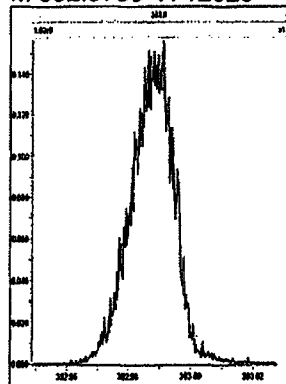
M 366.9792 R 13298



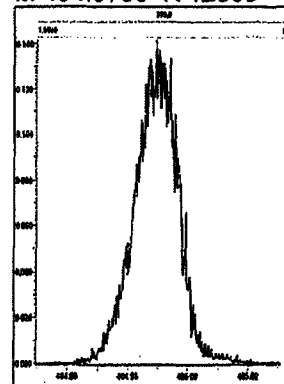
M 380.9760 R 12885



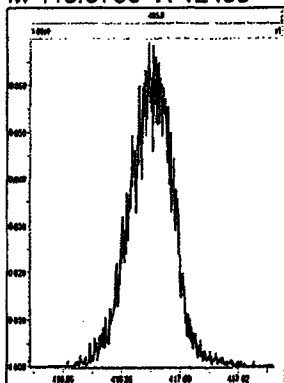
M 392.9760 R 12628



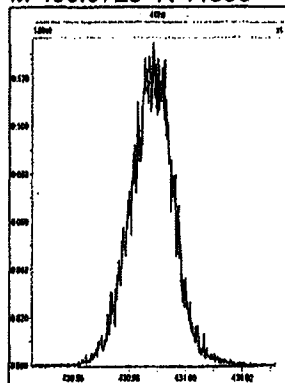
M 404.9760 R 12563



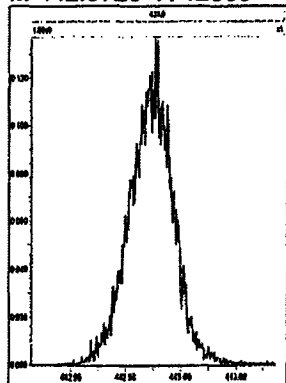
M 416.9760 R 12436



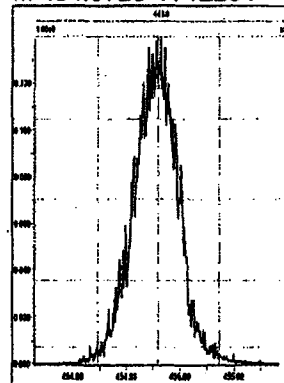
M 430.9728 R 11959



M 442.9728 R 12563



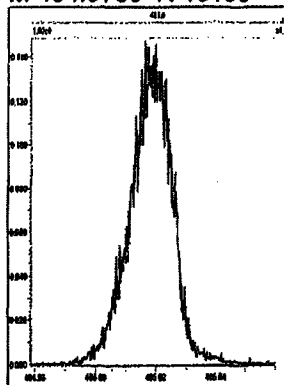
M 454.9728 R 12254



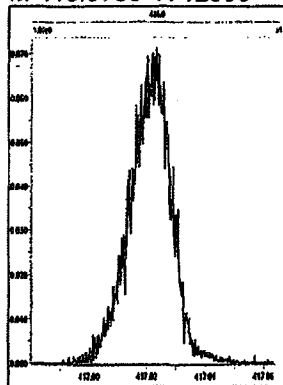
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, March 04, 2010 17:16:30 Pacific Standard Time

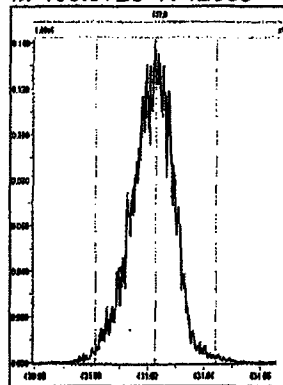
M 404.9760 R 13159



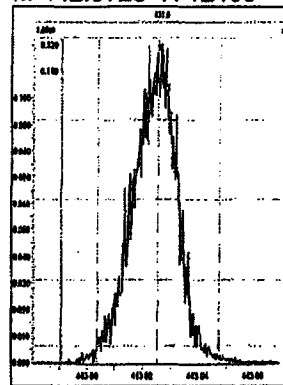
M 416.9760 R 12690



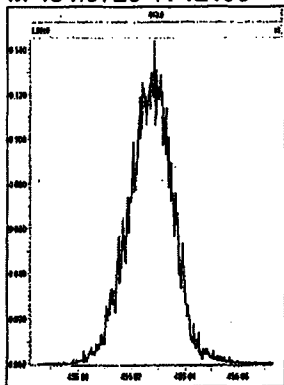
M 430.9728 R 12689



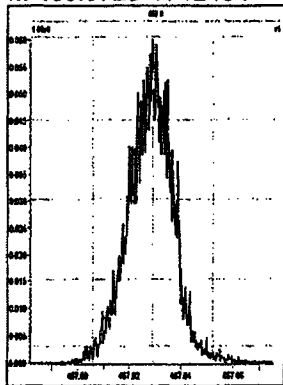
M 442.9728 R 12196



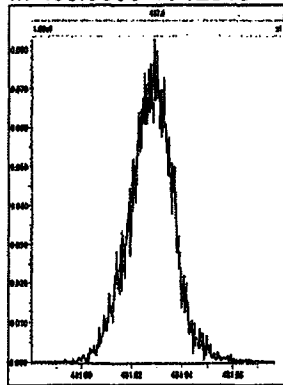
M 454.9728 R 12195



M 466.9728 R 12134



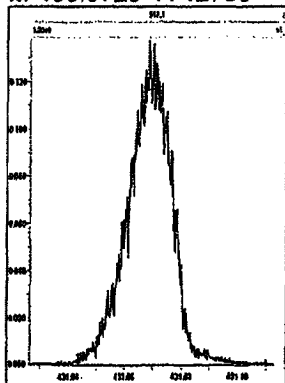
M 480.9696 R 12818



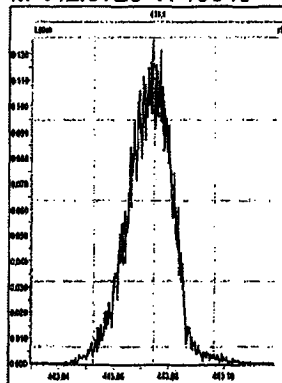
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, March 04, 2010 17:17:05 Pacific Standard Time

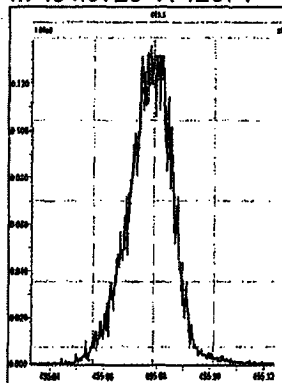
M 430.9728 R 12750



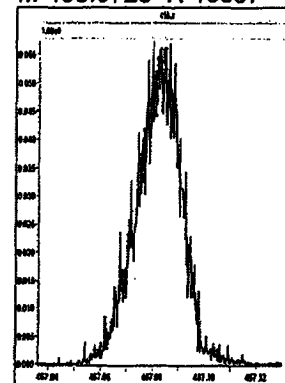
M 442.9728 R 13019



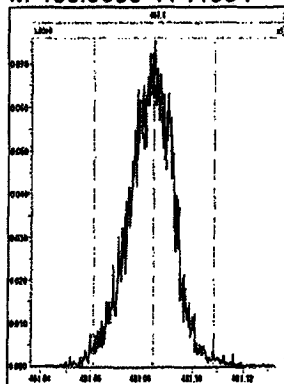
M 454.9728 R 12074



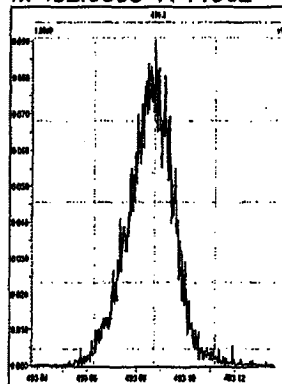
M 466.9728 R 13587



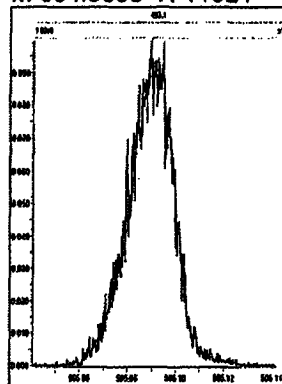
M 480.9696 R 11964



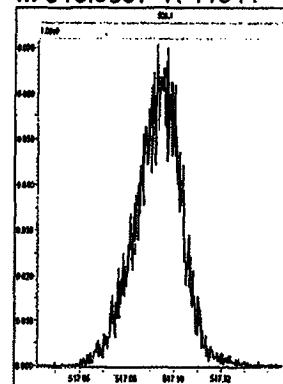
M 492.9696 R 11902



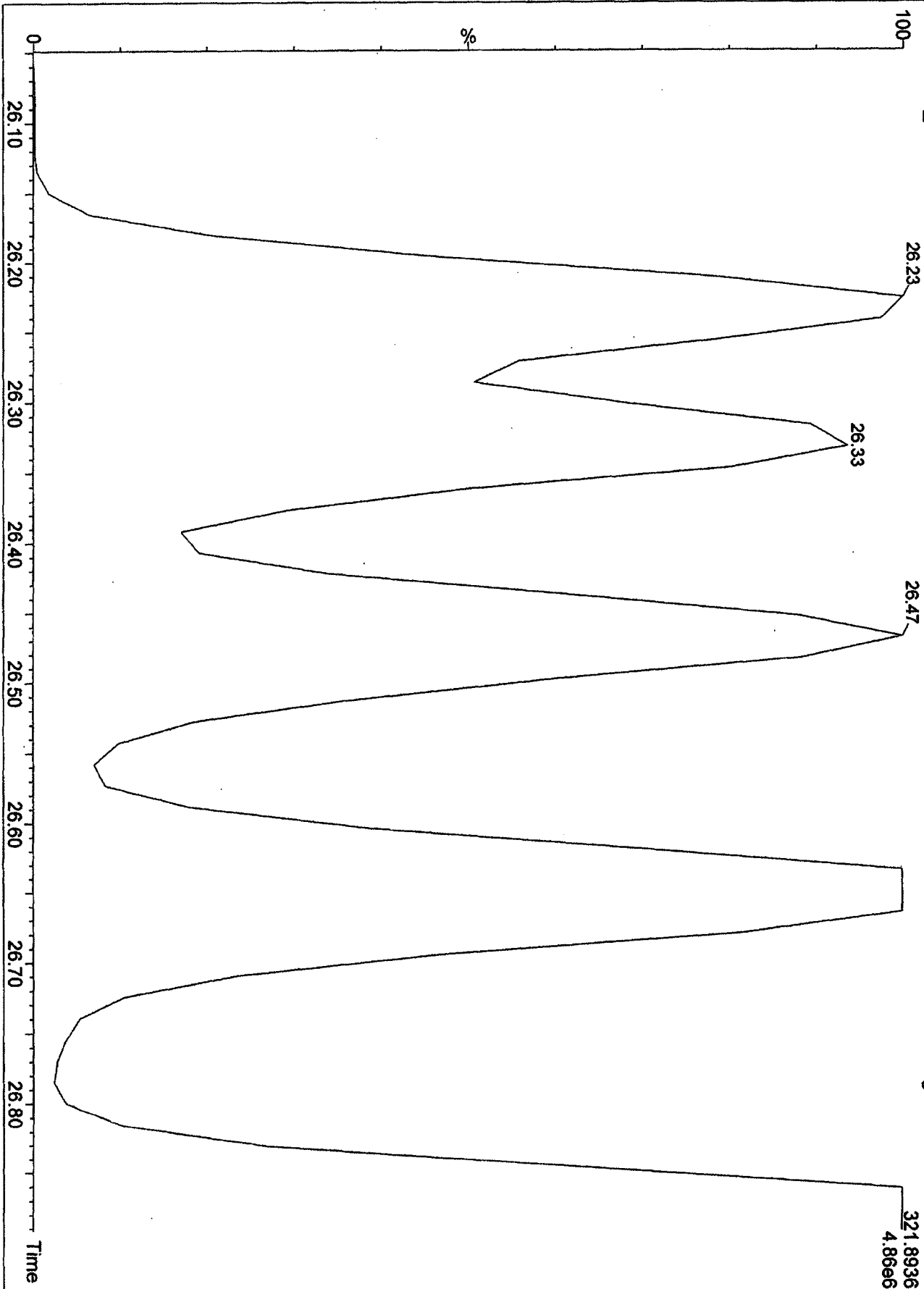
M 504.9696 R 11521



M 516.9697 R 11844



DB5 CPSM 3732-0516:18:2204-Mar-2010Tray01:7
04MR103D5_07



1: Voltage SIR 15 Channels EI+

321.8936
4.86e6

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
 Printed: Thursday, March 04, 2010 16:37:18 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:04, ID: ST030AE, Description: 2nd Source 09DXN449, Task:

#	Name	Trace	Sample Size	RT	Prod RT	SRC M	AbS Resp	Conc	EMRC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	1,000	26.21	26.19	1,000	1987350.31	2000.0000	2000.0000	100.0	1.0907	0.776	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	1,000	25.58	25.59	1,292	2956769.25	2302.7774	2302.7774	115.1	0.9900	0.800	0.770	NO	
4	2,3,7,8-TCDF	303.9016	1,000	25.59	25.59	0.983	276427.80	190.1849	190.1849	190.1849	0.3469	0.779	0.770	NO	
5	Total TCDFs	303.9016	1,000			0.983		190.1849	190.1849	190.1849	0.3469				
6															
7	13C-2,3,7,8-TCDD	331.9368	1,000	26.44	26.46	0.897	1907428.56	2139.7879	2139.7879	107.0	1.2159	0.759	0.770	NO	
8	2,3,7,8-TCDD	319.8965	1,000	26.47	26.46	1,051	193443.74	192.9811	192.9811	192.9811	0.4402	0.800	0.770	NO	
9	Total TCDDs	319.8965	1,000			1,051		192.9811	192.9811	192.9811	0.4402				
10															
11	37CL-2,3,7,8-TCDD	327.8847	1,000	26.47	26.46	1,067	237792.42	224.2709	0.0000	112.1	0.2756				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	1,000	31.49	31.50	1,011	2224655.06	2214.0967	2214.0967	110.7	2.6452	1.611	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	1,000	31.51	31.50	1,018	546381.19	485.3510	485.3510	1,2639	1.604	1.604	1.550	NO	
15	13C-2,3,4,7,8-PeCDF	351.9000	1,000	33.04	33.06	1,021	2271634.88	2239.2106	2239.2106	112.0	2.6197	1.601	1.550	NO	
16	2,3,4,7,8-PeCDF	339.8597	1,000	33.07	33.04	1,005	550096.05	482.0908	482.0908	1,3345	1.3345	1.559	1.550	NO	
17	Total F2 PeCDFs	339.8597	1,000			1,011		967.4418	967.4418	967.4418	1.2983				
18	Total F1 PeCDFs	339.8597	1,000			1,011		967.4418	967.4418	967.4418	1.2983				
19															
20	13C-1,2,3,7,8-PeCDD	367.8949	1,000	33.90	33.92	0.668	1466179.75	2208.1365	2208.1365	110.4	2.3402	1.595	1.550	NO	
21	1,2,3,7,8-PeCDD	355.8546	1,000	33.94	33.91	0.986	345521.95	473.3485	473.3485	1,2081	1.2081	1.573	1.550	NO	
22	Total PeCDDs	355.8546	1,000			0.986		473.3485	473.3485	1,2081	1.2081				
23															
24	13C-1,2,3,7,8-HxCDD	401.8559	1,000	41.66	41.67	1,000	1392956.25	2000.0000	2000.0000	100.0	2.2871	1.338	1.240	NO	
25															
26	13C-1,2,3,4,7,8-HxCDF	363.8639	1,000	40.21	40.20	0.880	1514772.84	2471.2126	2471.2126	123.6	4.8520	0.518	0.510	NO	
27	1,2,3,4,7,8-HxCDF	373.8208	1,000	40.22	40.21	1,242	451377.64	480.0170	480.0170	0.9376	1.307	1.307	1.240	NO	
28	13C-1,2,3,6,7,8-HxCDF	363.8639	1,000	40.35	40.36	1,132	1874015.69	2376.7221	2376.7221	118.8	3.7720	0.514	0.510	NO	
29	1,2,3,6,7,8-HxCDF	373.8208	1,000	40.38	40.35	1,111	501004.83	481.2479	481.2479	0.8583	1.275	1.275	1.240	NO	
30	13C-2,3,4,6,7,8-HxCDF	363.8639	1,000	41.08	41.07	0.964	1646417.63	2451.2330	2451.2330	122.6	4.4280	0.539	0.510	NO	
31	2,3,4,6,7,8-HxCDF	373.8208	1,000	41.09	41.09	1,175	452573.25	467.7921	467.7921	0.7680	1.273	1.273	1.240	NO	
32	13C-1,2,3,7,8,9-HxCDF	363.8639	1,000	41.83	41.84	0.953	1432361.69	2159.0167	2159.0167	108.0	4.4830	0.518	0.510	NO	
33	1,2,3,7,8,9-HxCDF	373.8208	1,000	41.85	41.83	1,117	394610.61	493.4290	493.4290	0.8905	1.282	1.282	1.240	NO	
34	Total HxCDFs	373.8208	1,000			1,161		1922.4859	1922.4859	0.8603	0.8603				
35															

Dataset: C:\MassLynx\LAN2010\PRO104MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
 Printed: Thursday, March 04, 2010 16:37:18 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449, Task:

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
36	13C-1,2,3,4,7,8-HxCDD	401.8559	1.000	41.25	41.26	0.698		1155208.47	2375.0019	2375.0019	118.8	3.2748	1.280	1.240		NO
37	1,2,3,4,7,8-HxCDD	389.8157	1.000	41.27	41.25	1.014		298003.14	508.5659	508.5659	116.8	0.8772	1.254	1.240		NO
38	13C-1,2,3,6,7,8-HxCDD	401.8559	1.000	41.35	41.36	0.804		1307489.38	2335.5270	2335.5270	116.8	2.8454	1.248	1.240		NO
39	1,2,3,6,7,8-HxCDD	389.8157	1.000	41.37	41.35	1.084		351366.34	495.6025	495.6025	116.8	0.8459	1.283	1.240		NO
40	1,2,3,7,8,9-HxCDD	389.8157	1.000	41.67	41.67	1.265		341145.75	437.9269	437.9269	116.8	0.7149	1.265	1.240		NO
41	Total HxCDDs	389.8157	1.000			0.00			1442.0954	1442.0954	116.8	0.8066				
42																
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	1.000	43.29	43.29	0.794		1319682.50	2386.6403	2386.6403	119.3	6.8324	0.423	0.440		NO
44	1,2,3,4,6,7,8-HpCDF	407.7818	1.000	43.30	43.29	1.381		411888.52	451.9184	451.9184	119.3	1.3020	1.077	1.040		NO
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	1.000	44.47	44.47	0.662		993689.13	2154.1168	2154.1168	107.7	8.1882	0.442	0.440		NO
46	1,2,3,4,7,8,9-HpCDF	407.7818	1.000	44.48	44.47	1.332		328400.09	496.2559	496.2559	107.7	2.0060	1.104	1.040		NO
47	Total HpCDFs	407.7818	1.000			0.00			948.1743	948.1743	107.7	1.6022				
48																
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	1.000	44.15	44.16	0.675		1088680.28	2316.8513	2316.8513	115.8	4.9288	1.104	1.040		NO
50	1,2,3,4,6,7,8-HpCDD	423.7766	1.000	44.17	44.15	1.033		259489.04	461.5257	461.5257	115.8	1.3689	1.041	1.040		NO
51	Total HpCDDs	423.7766	1.000			-0.02			461.5257	461.5257	115.8	1.3689				
52																
53	13C-OCDD	469.7779	1.000	46.74	46.74	0.493		1493679.81	4352.0070	4352.0070	108.8	5.6240	0.916	0.890		NO
54	OCDF	441.7428	1.000	46.85	46.85	1.426		493731.83	927.3197	927.3197	108.8	1.3289	0.929	0.890		NO
55	OCDD	457.7377	1.000	46.75	46.74	1.155		424857.83	984.6596	984.6596	108.8	1.5421	0.879	0.890		NO
56																
57																
58	Function 1 PFK	330.97920	1.000			0.00										
59	Function 3 PFK	380.97600	1.000			0.00										
60	Function 2 PFK	342.97920	1.000			0.00										
61	Function 4 PFK	430.97290	1.000			0.00										
62	Function 5 PFK	442.97280	1.000			0.00										
63	TCDF PCDFE	375.8364	1.000			0.00										
64	F1 PeCDF PCDFE	409.79740	1.000			0.00										
65	F2 PeCDF PCDFE	409.7974	1.000			0.00										
66	HxCDF PCDFE	445.7555	1.000			0.00										
67	HPCDF PCDFE	479.7165	1.000			0.00										
68	OCDF PCDFE	513.67750	1.000			0.00										

Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRONCA030420103D516130CDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time

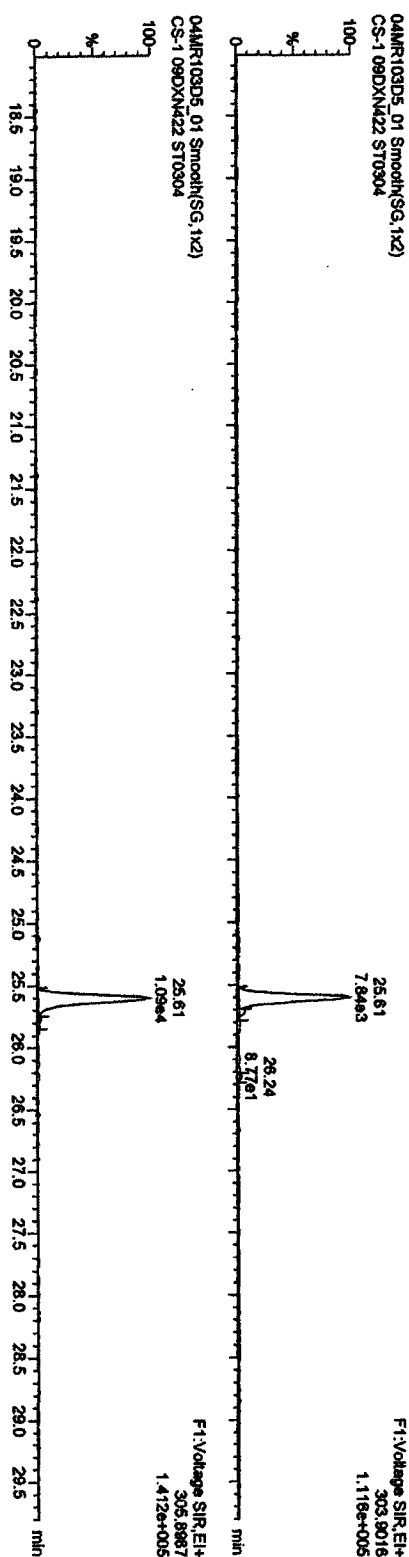
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Method: C:\MassLynx\UAN2010.PRONMethDB\16133D6OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: 04 Mar 2010 15:28:33

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1-09DXN422

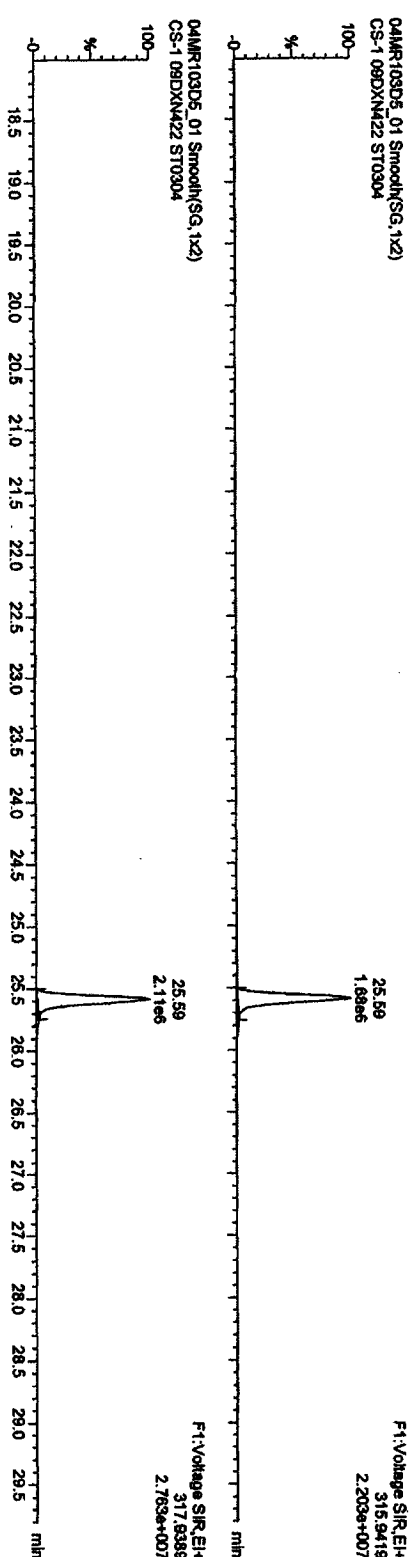
TCDFs

04MR103D5_01 Smooth(SG, 1x2)
CS-1-09DXN422 ST0304



13C-TCDF

04MR103D5_01 Smooth(SG, 1x2)
CS-1-09DXN422 ST0304



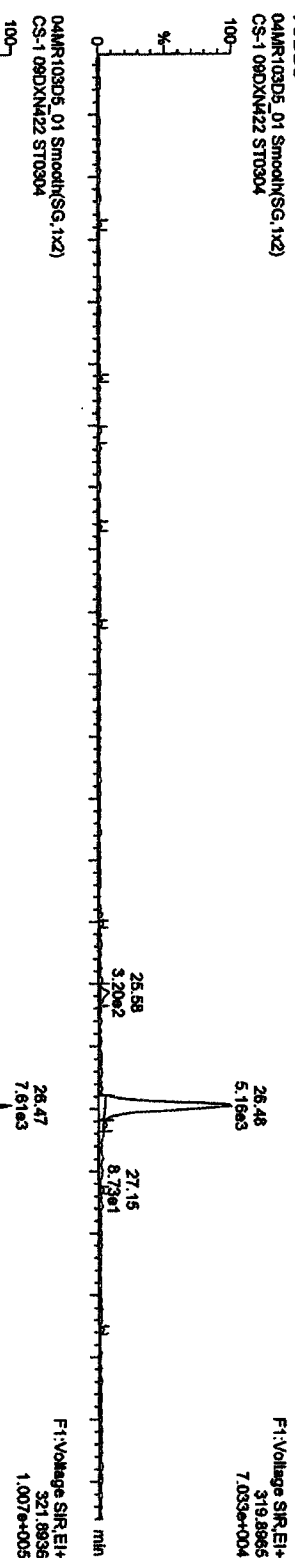
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PRO\ICAO30420103D516130CDF25.qld

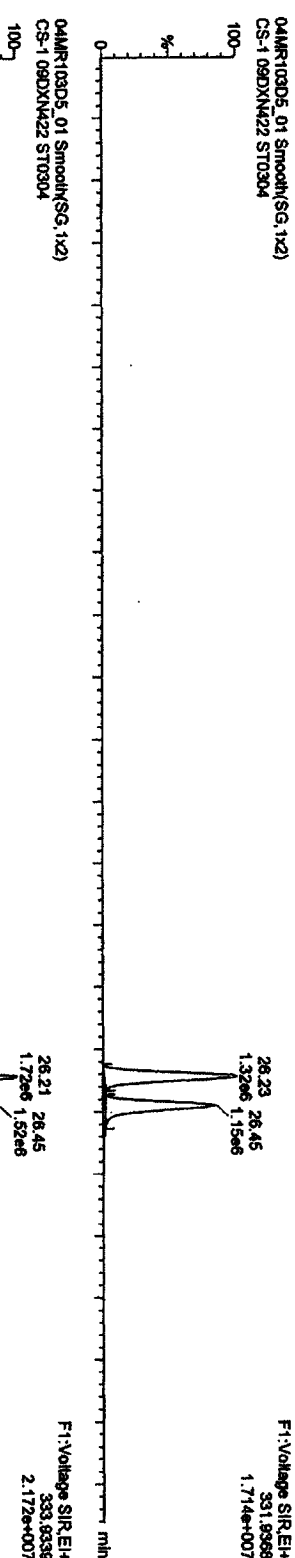
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

TCDDs



13C-TCDDs



TCDDs



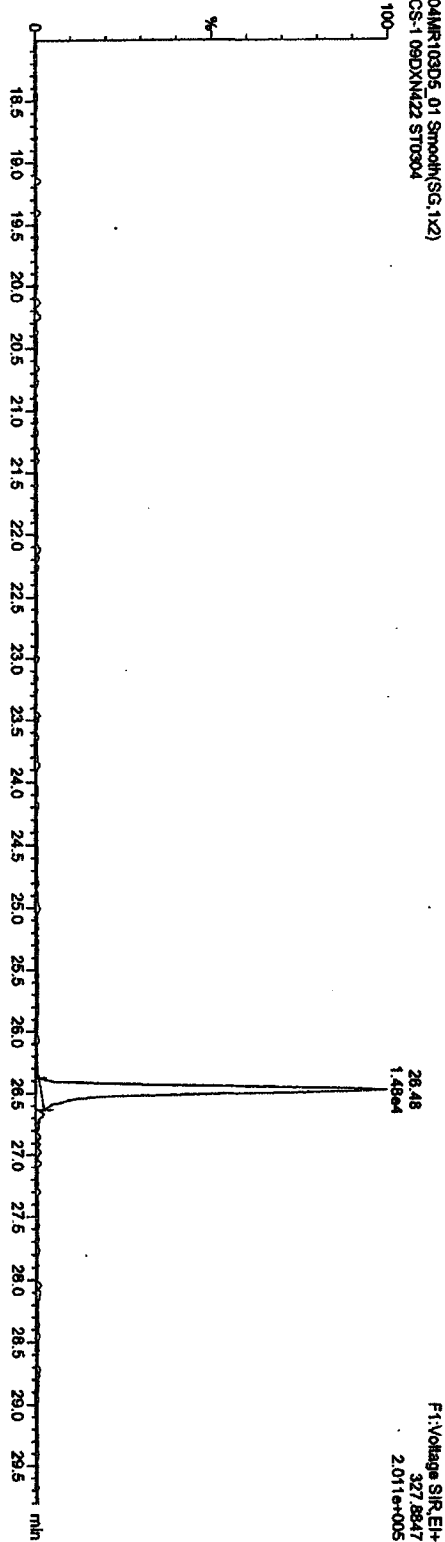
Quantity Sample Report Masslynx 4.1

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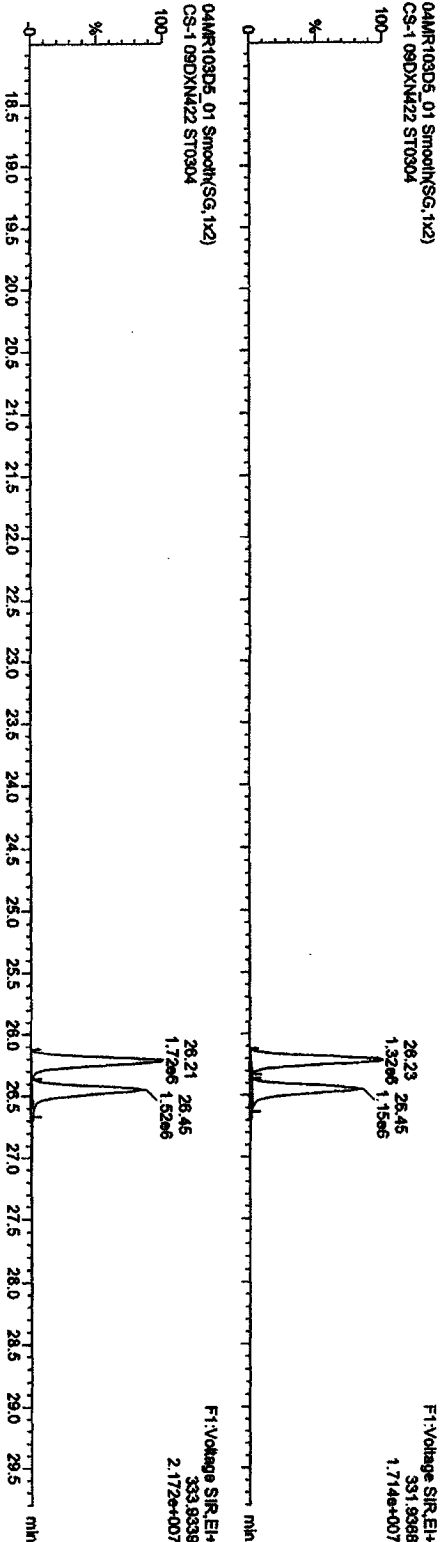
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

37CL-2,3,7,8-TCDD
04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



13C-TCDDs
04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304

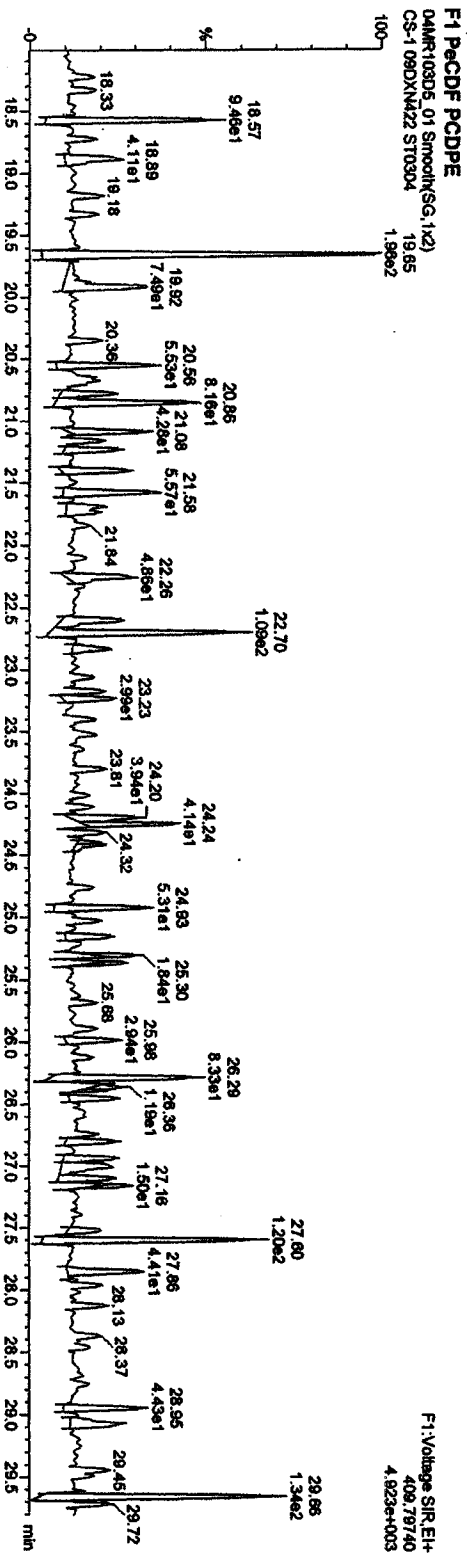
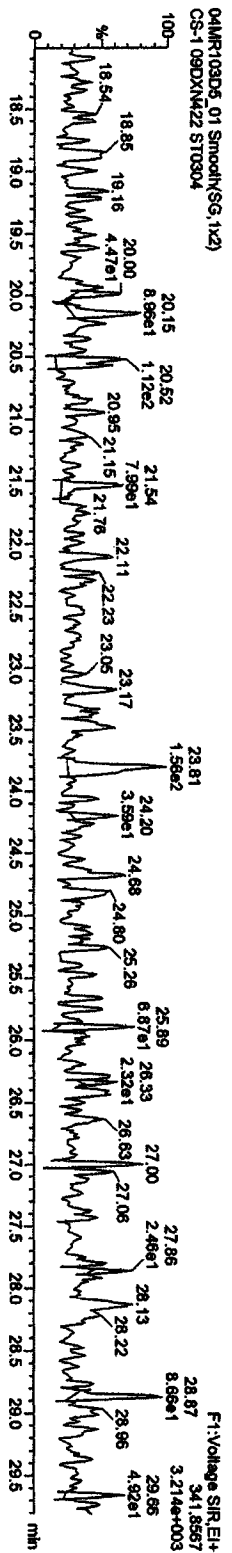
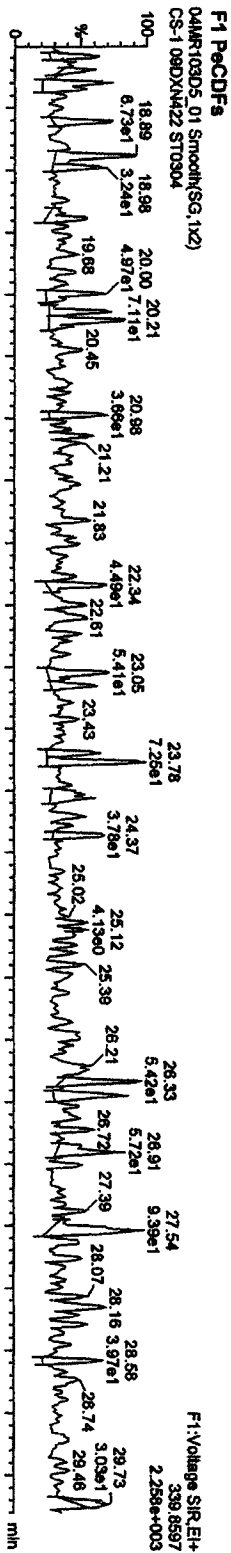


Quantity Sample Report MassLynx 4.1

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Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1-09DXN422



Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROVICA030420103D516130CCDF25.qld

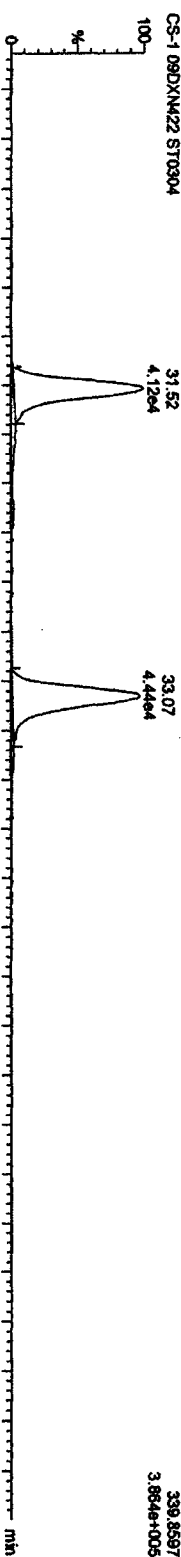
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Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

PeCDFs

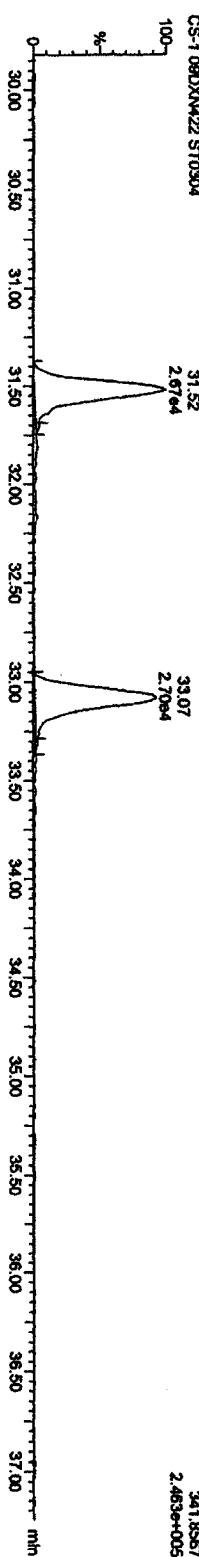
04MR103D5_01 Smooth(SG,1x2)

CS-1 09DXN422 ST0304



04MR103D5_01 Smooth(SG,1x2)

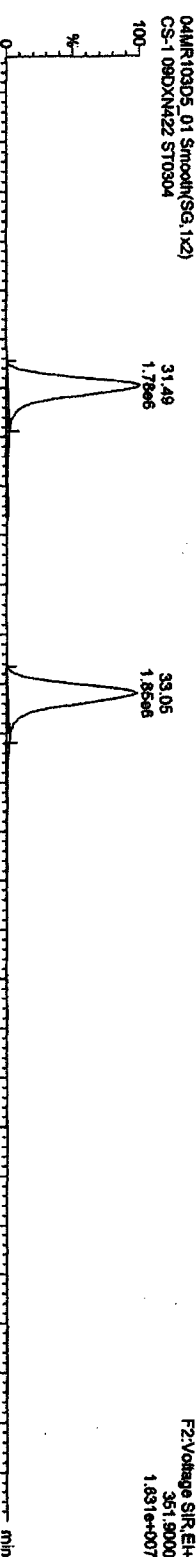
CS-1 09DXN422 ST0304



13C-PeCDFs

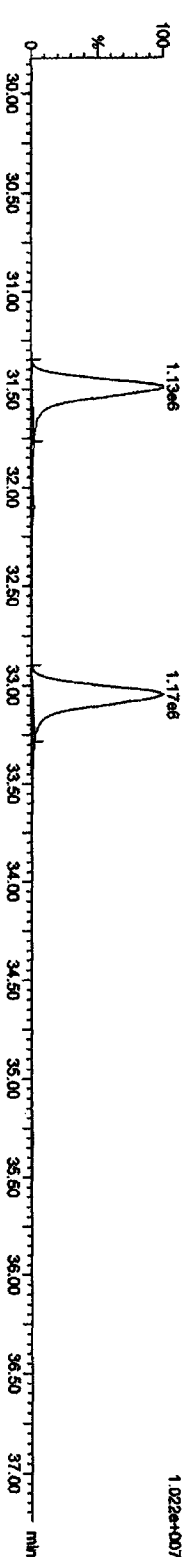
04MR103D5_01 Smooth(SG,1x2)

CS-1 09DXN422 ST0304



04MR103D5_01 Smooth(SG,1x2)

CS-1 09DXN422 ST0304

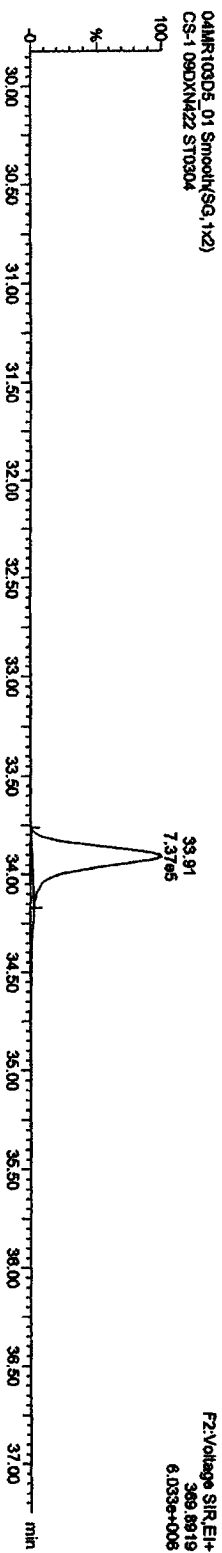
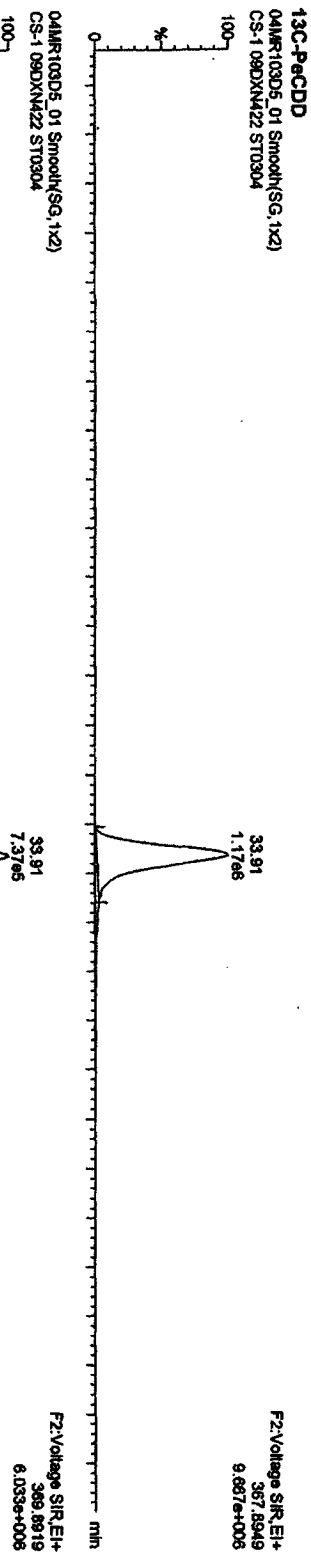
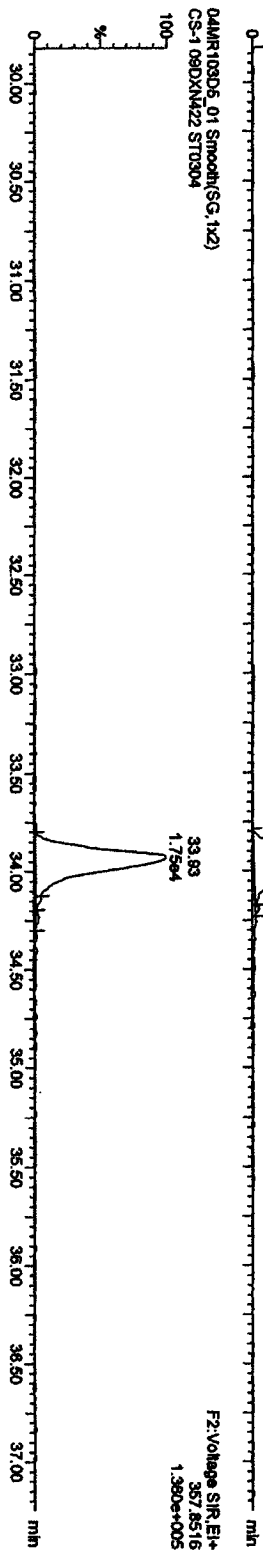


Quantity Sample Report MassLynx 4.1

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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MIR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422



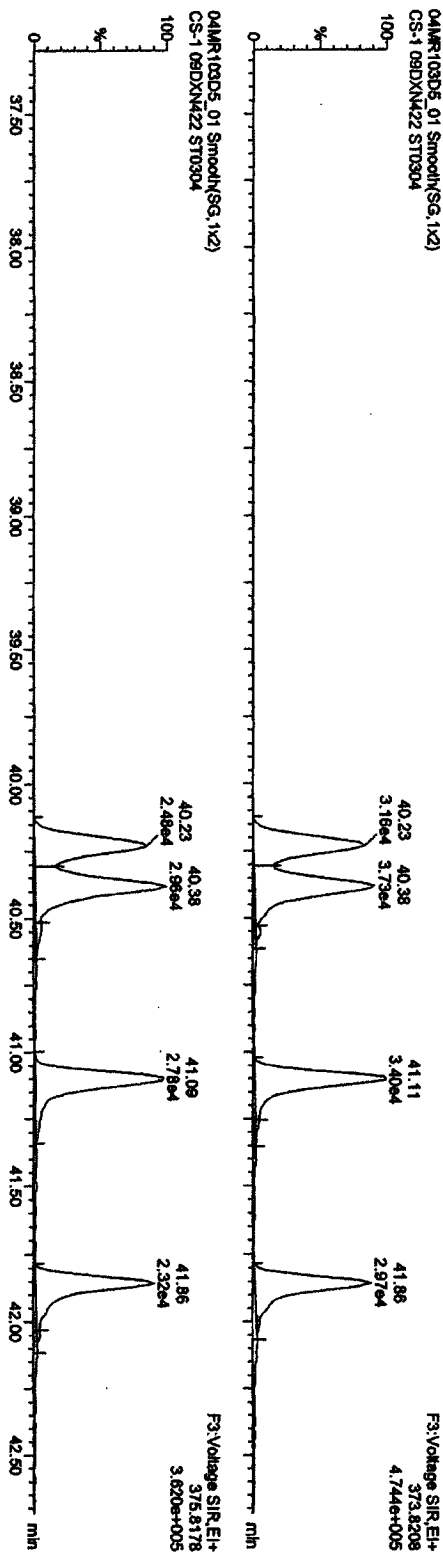
Quantity Sample Report MassLynx 4.1

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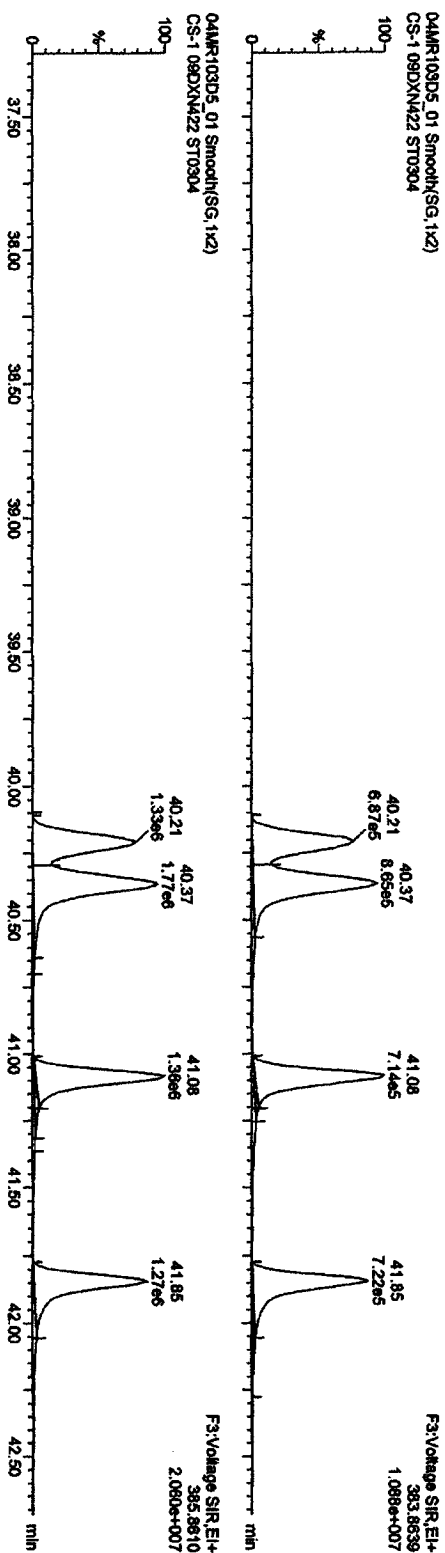
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

HXCDFs
04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



13C-HXCDFs
04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



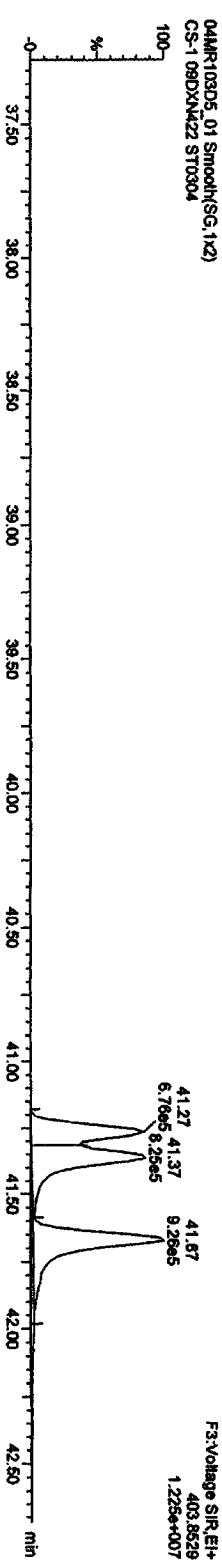
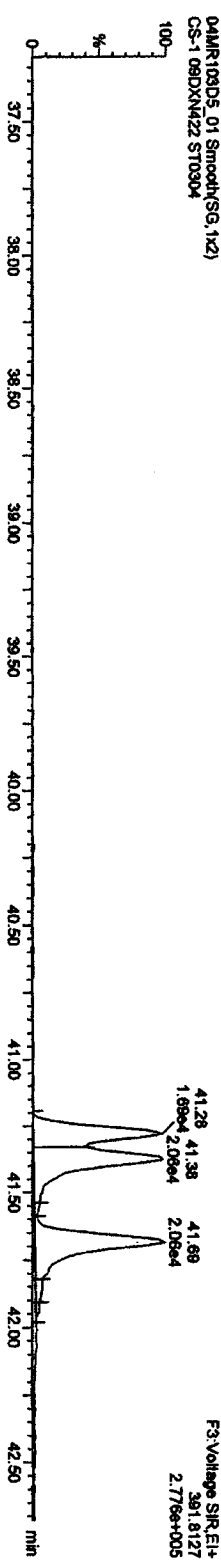
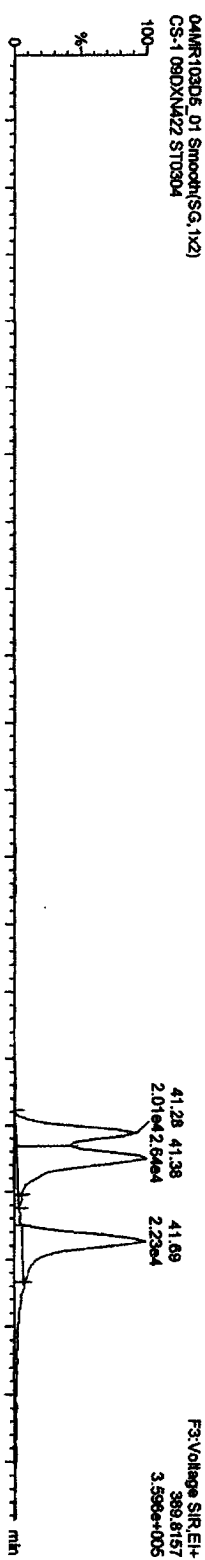
Quantity Sample Report MassLynx 4.1

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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
 Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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HxCDDs



Quantity Sample Report MassLynx 4.1

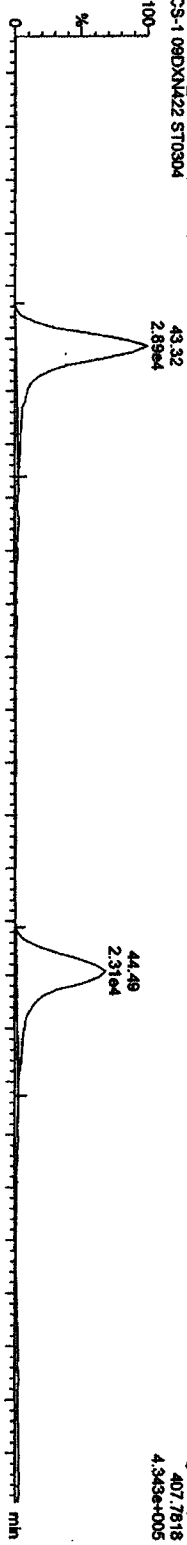
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

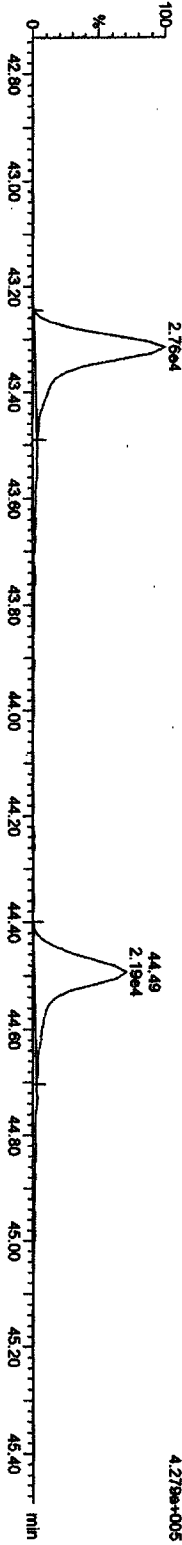
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HPCDFs

04MIR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304

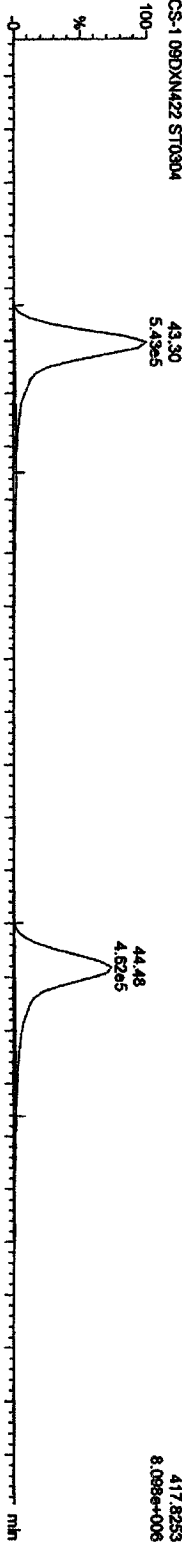


04MIR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304

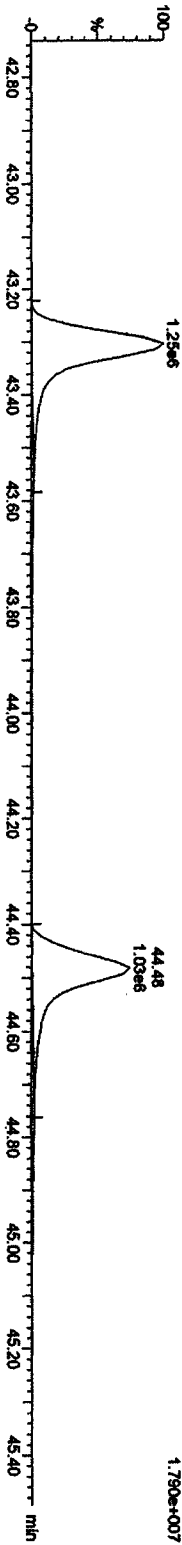


13C-HPCDFs

04MIR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



04MIR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



Quantity Sample Report MaselLynx 4.1

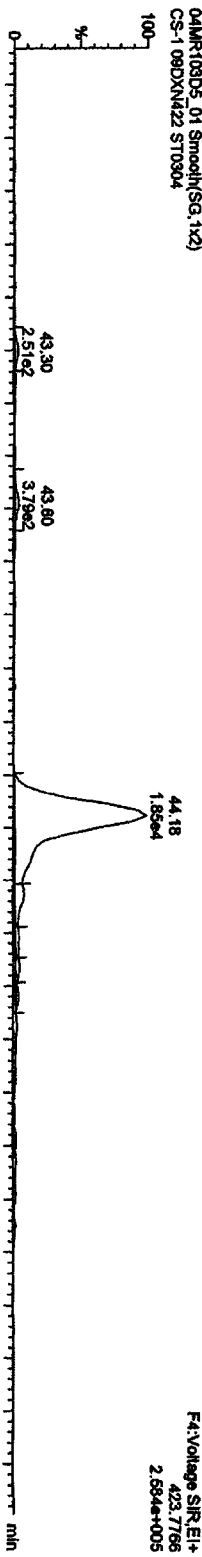
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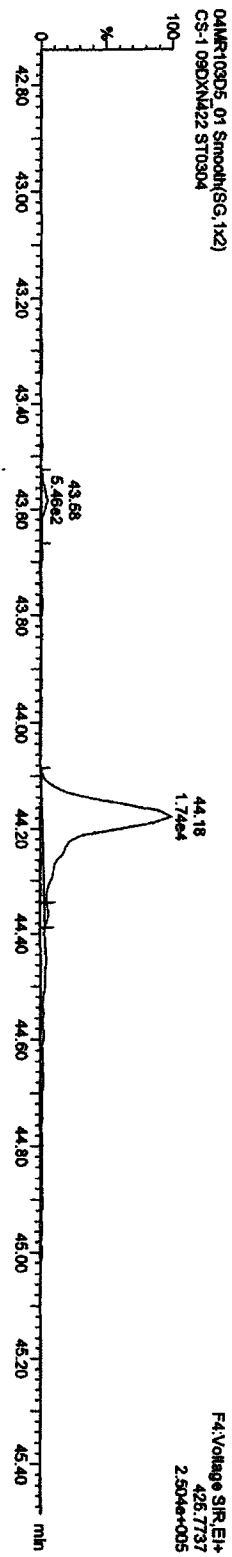
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HPCCDs

04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304

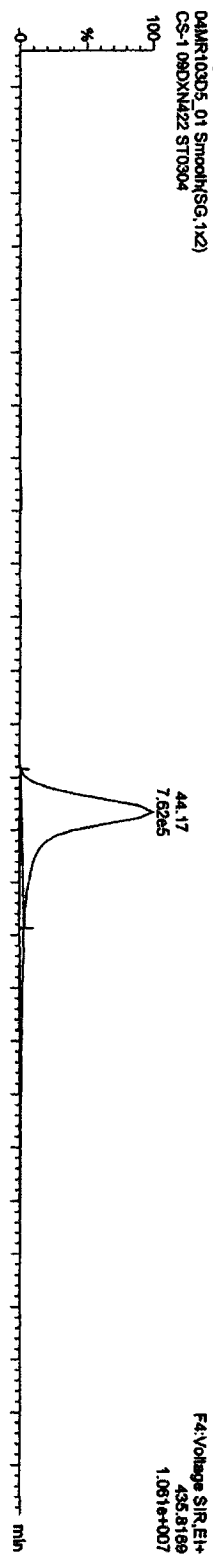


04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304

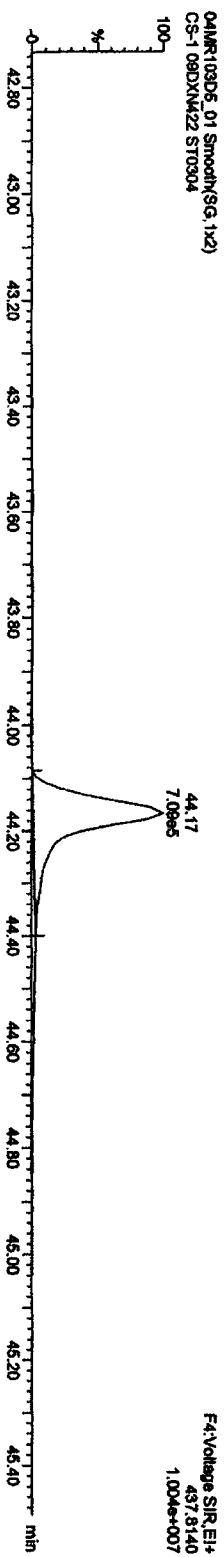


13C-HPCCD

04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



Quantity Sample Report MassLynx 4.1

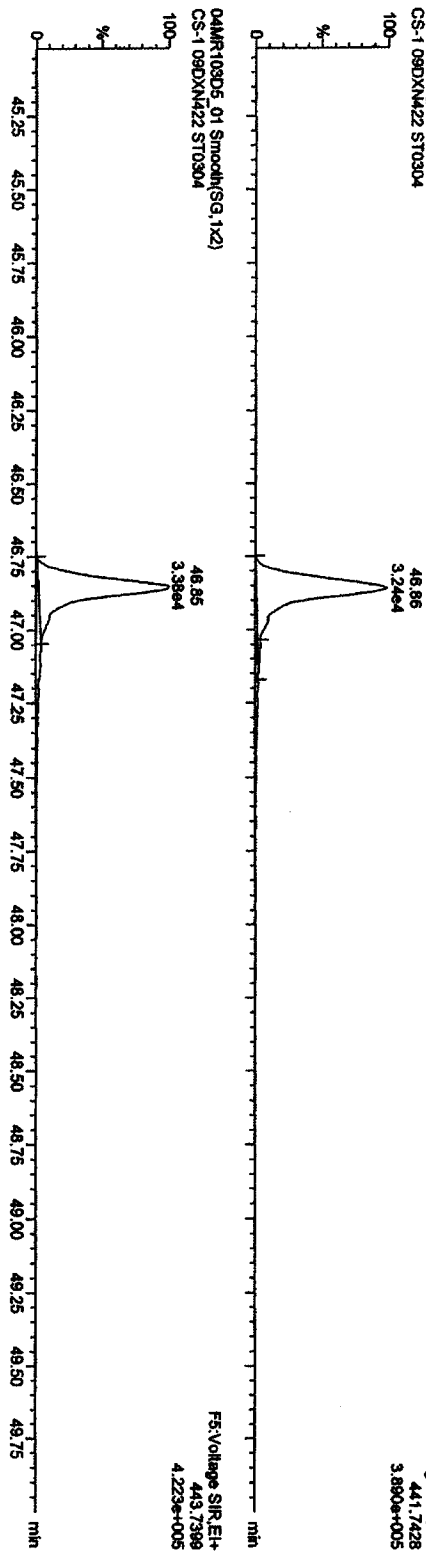
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Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

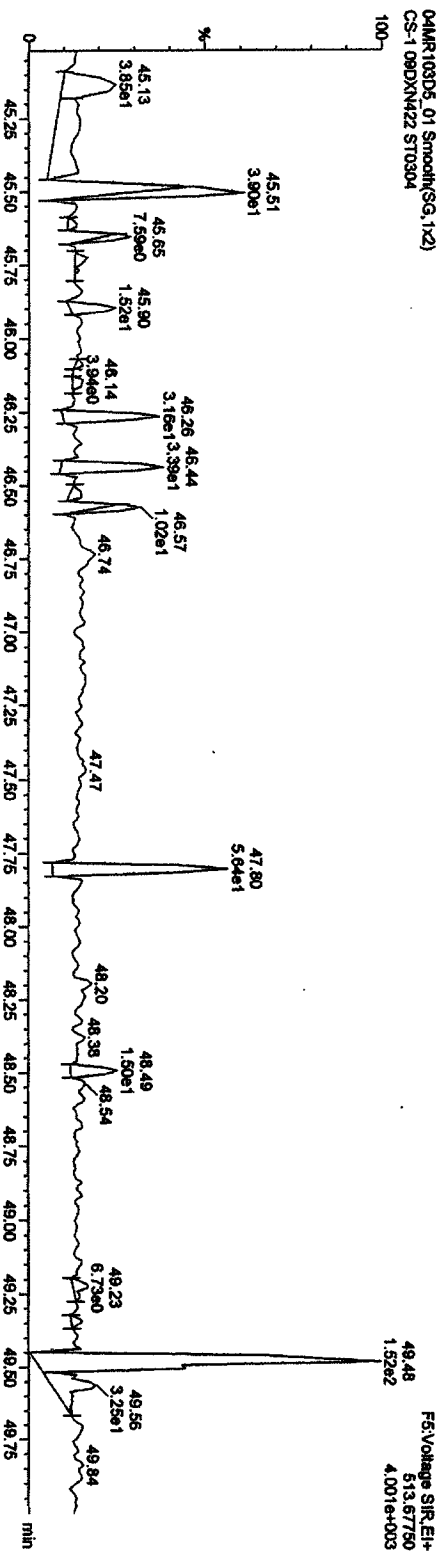
OCDPFs

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



OCDPF PCDPE

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



Quantity Sample Report Masslynx 4.1

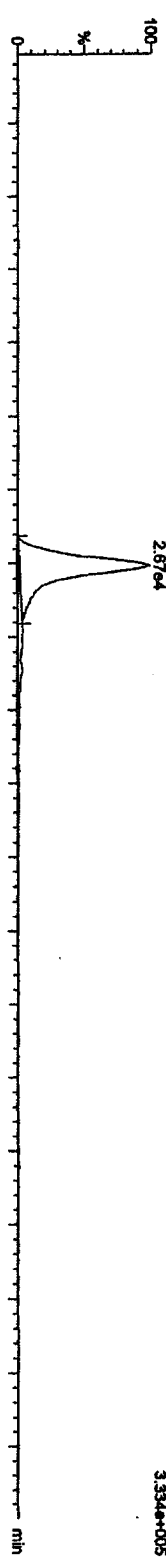
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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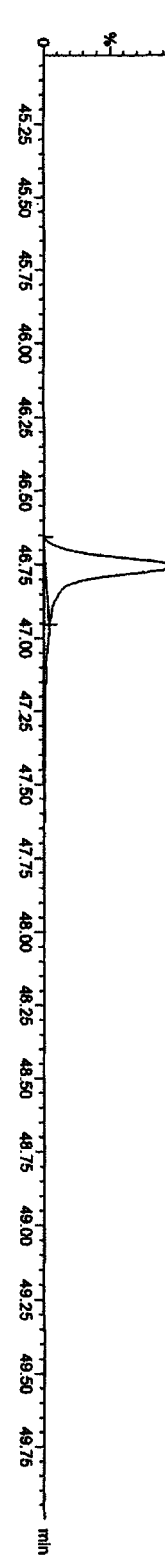
OCDD

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



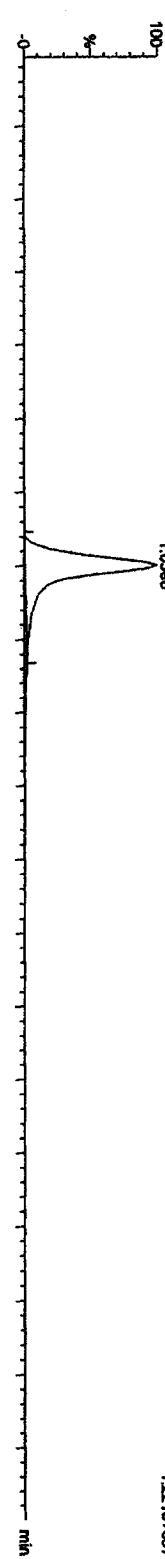
13C-OCDD

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



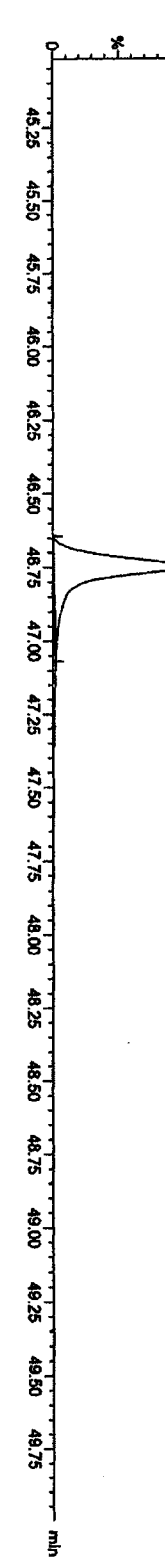
13C-OCDD

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



13C-OCDD

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



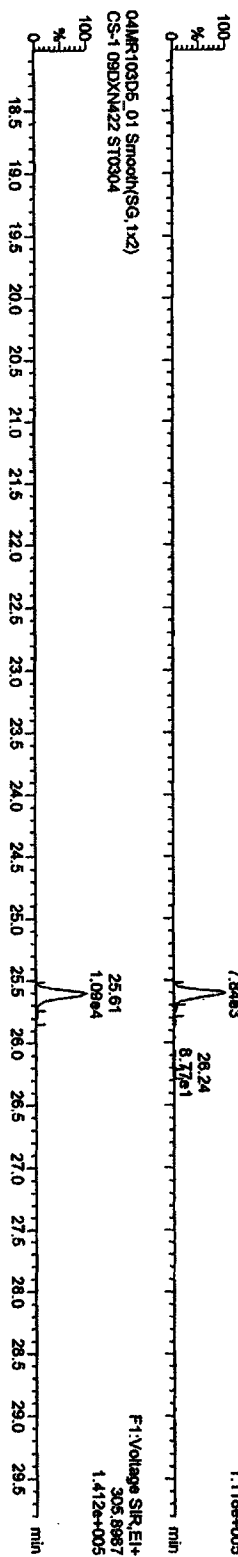
Quantity Sample Report MassLynx 4.1

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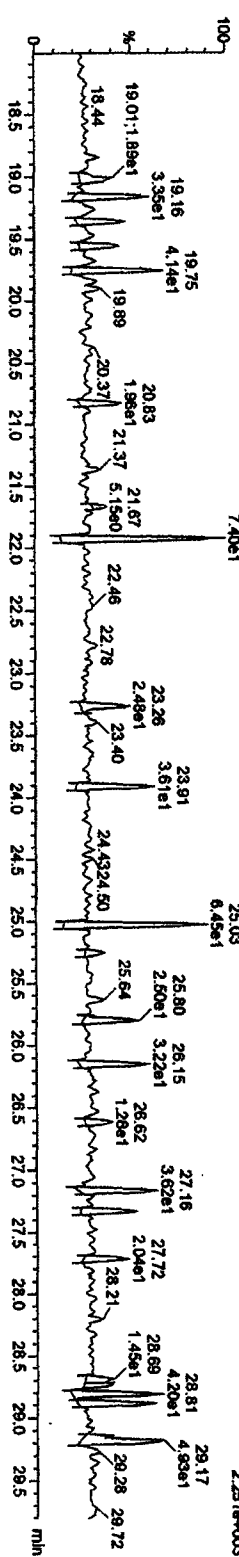
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Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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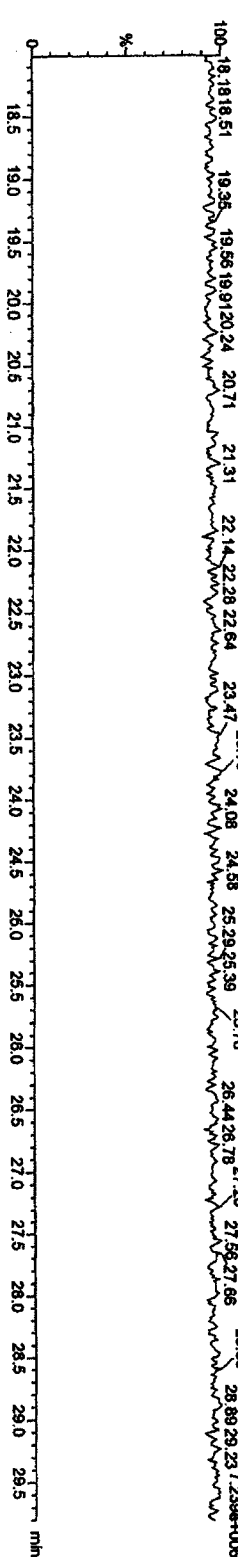
TCDFs
04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



TCDF PCDDPE
04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



Function 1 PFK
04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304

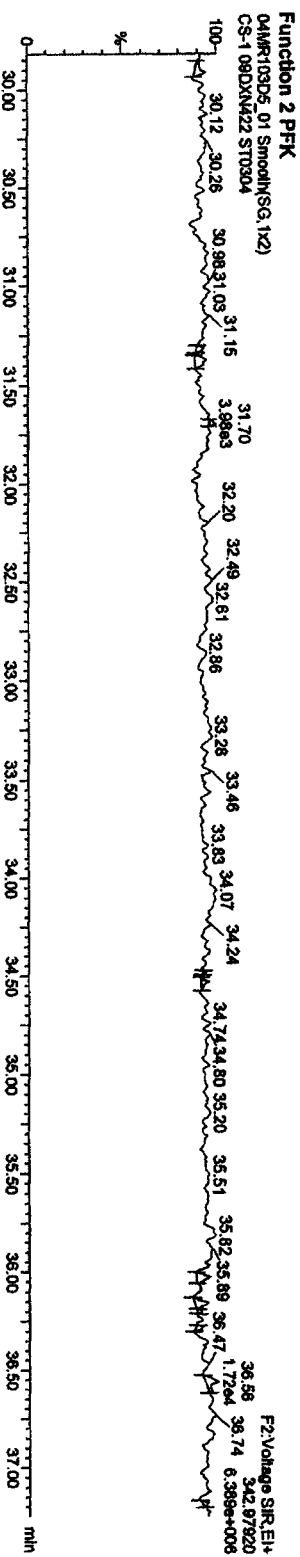
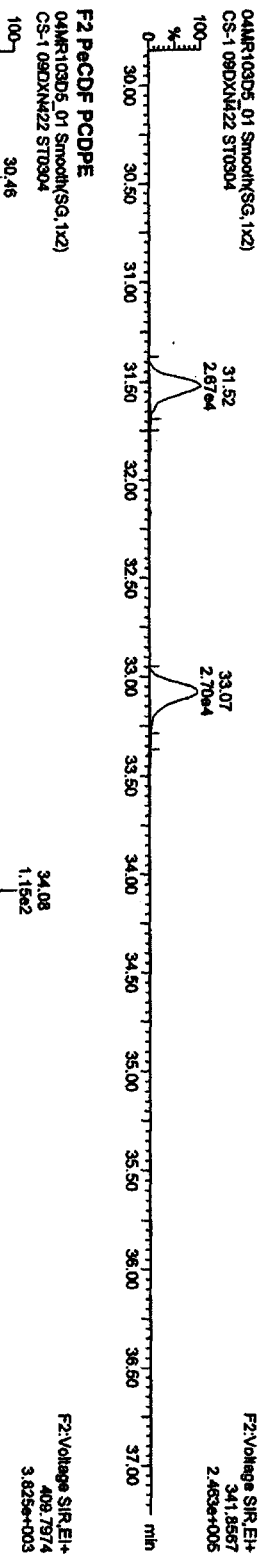
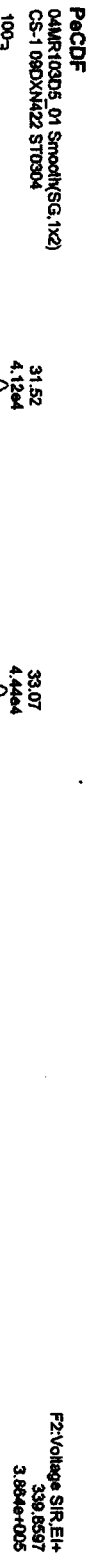


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PRONICA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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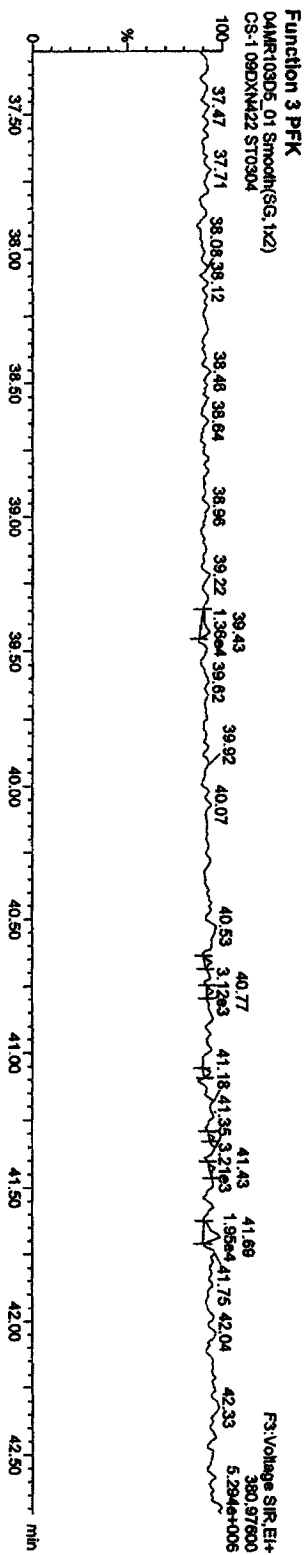
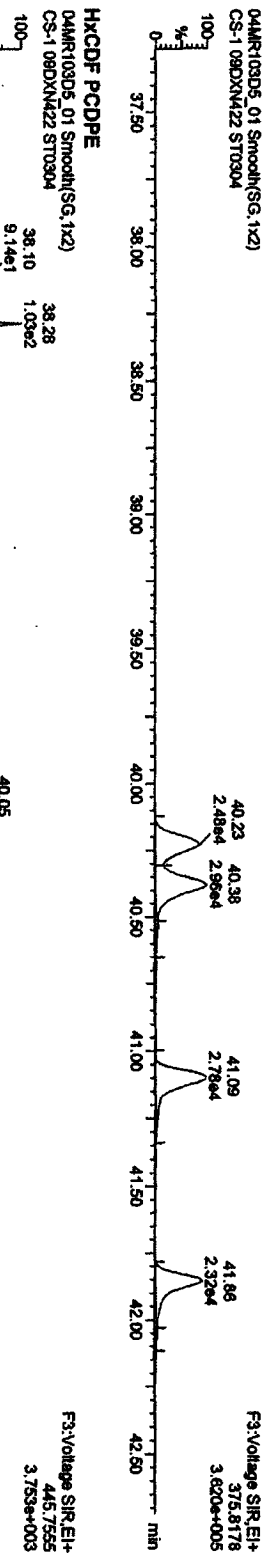
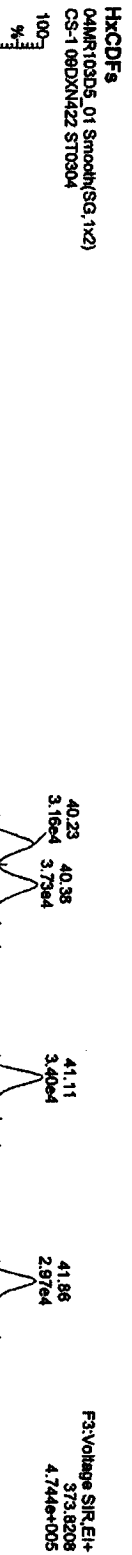


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PRONCA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422



Quantity Sample Report MassLynx 4.1

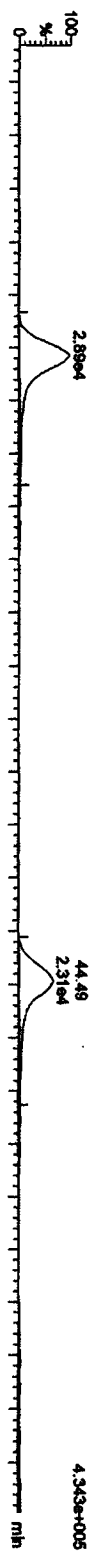
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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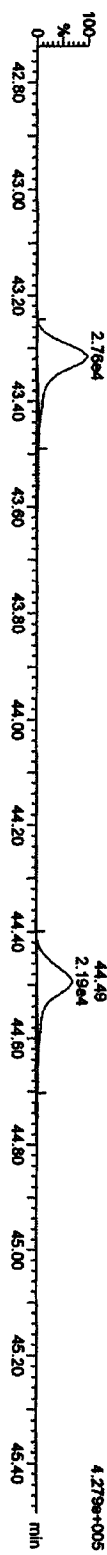
Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

HPCDFs

04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304

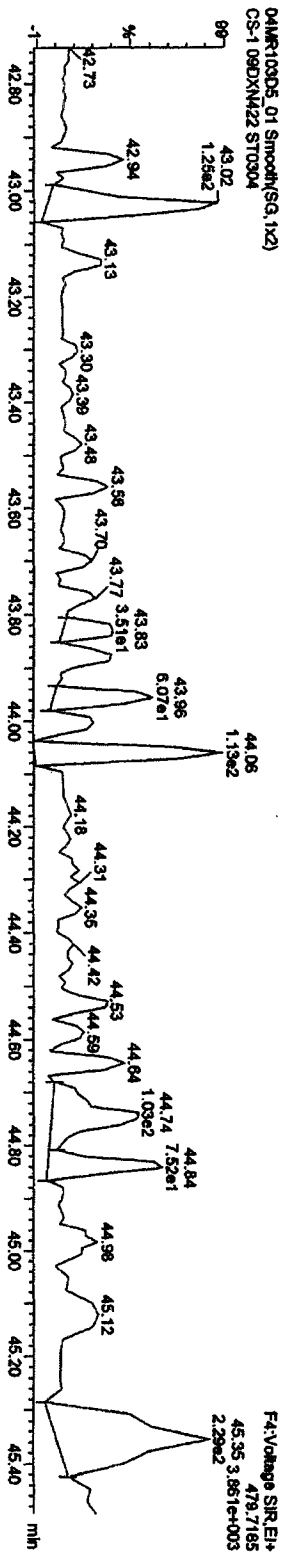


04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



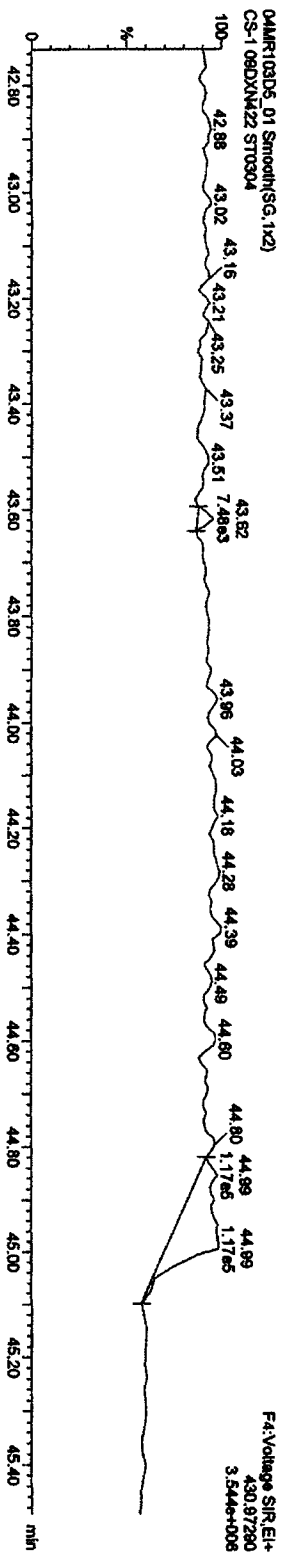
HPCDF PCDPE

04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



Function 4 PFK

04MR103D5_01 Smooth(SG,1x2)
CS-1 09DXN422 ST0304



FA:Voltage SIR,El+
430.67290
3.544e+008

FA:Voltage SIR,El+
479.7185
3.861e+003
2.29e2

FA:Voltage SIR,El+
407.7918
4.343e+005

Quantity Sample Report Masslynx 4.1

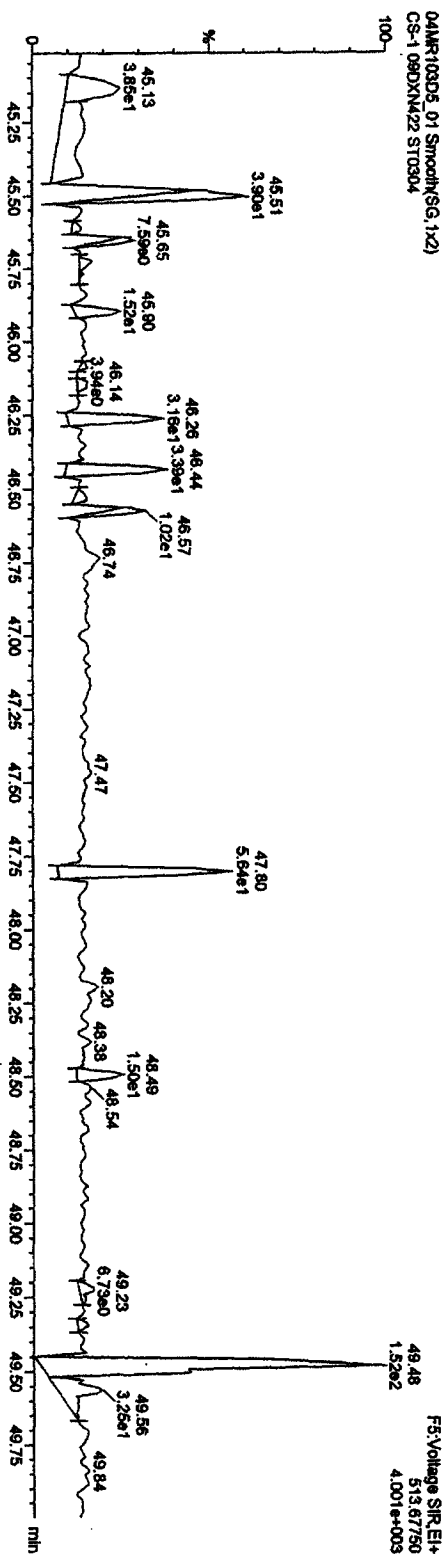
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

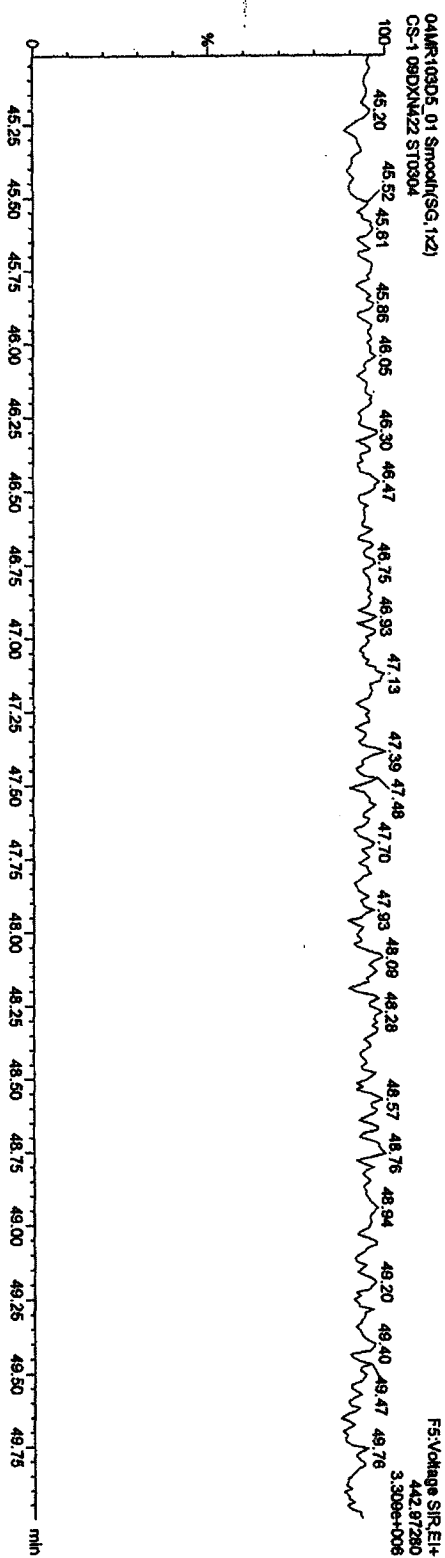
OCDF PCDFE

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



Function 5 PFK

04MR103D5_01 Smooth(SG, 1x2)
CS-1 09DXN422 ST0304



Quantity Sample Report Masslynx 4.1

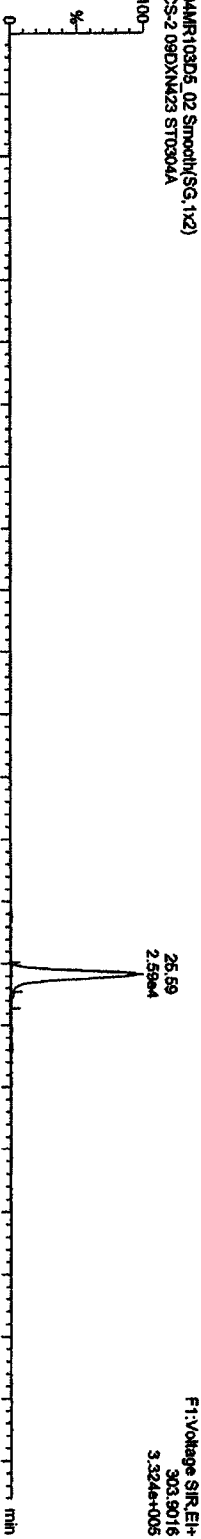
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

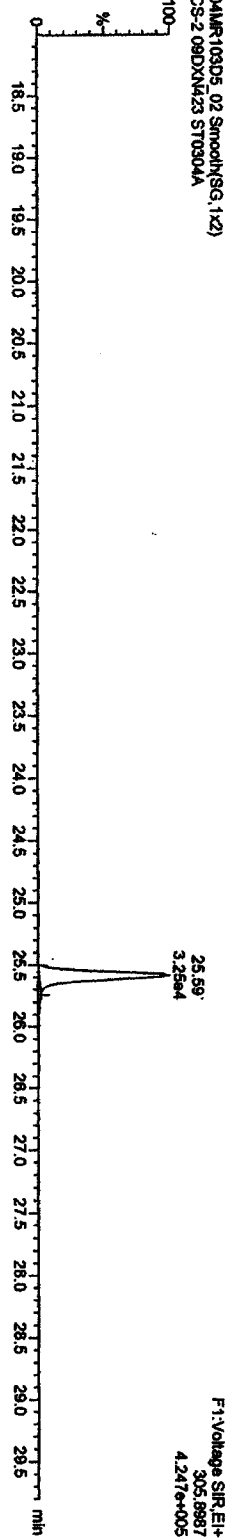
Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2-09DXN423

TCDs

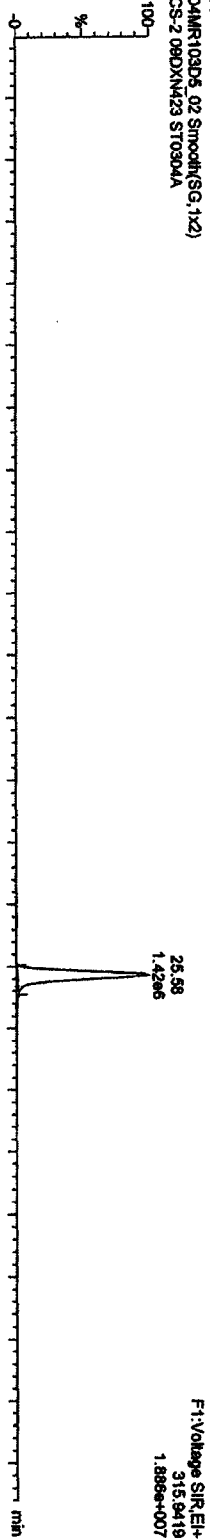
04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



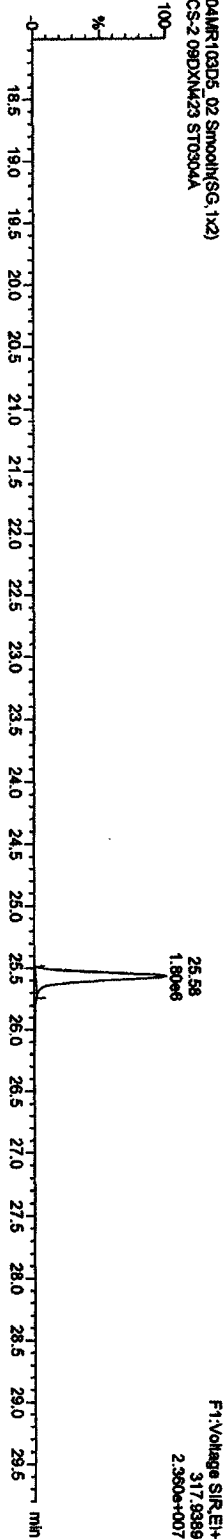
04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



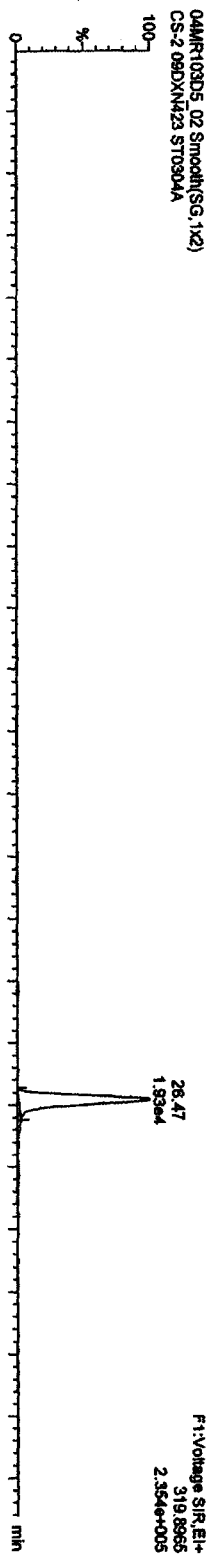
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

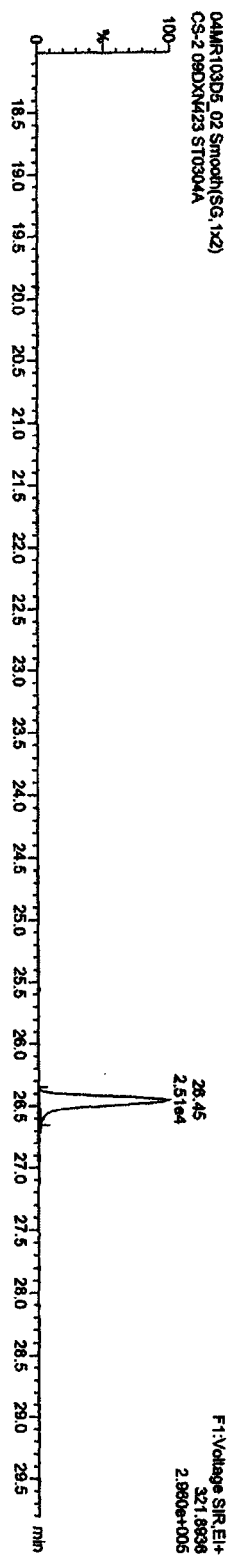
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TCDDs

04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A

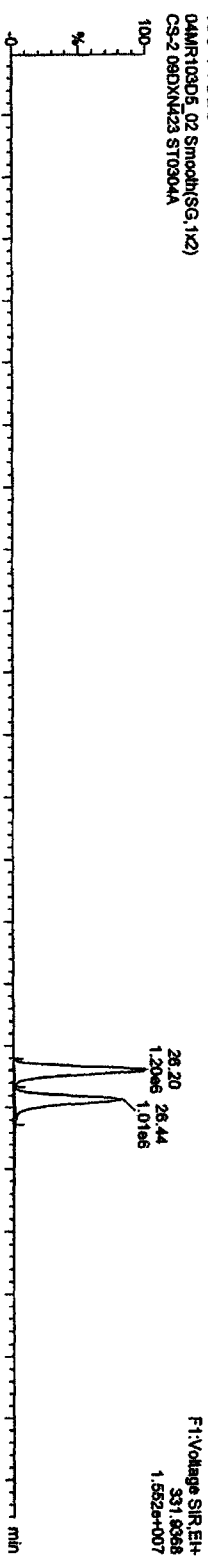


04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A

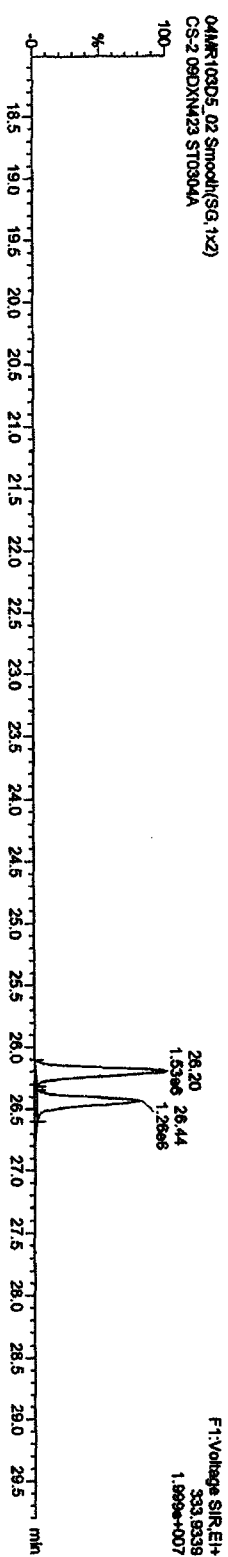


13C-TCDDs

04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A

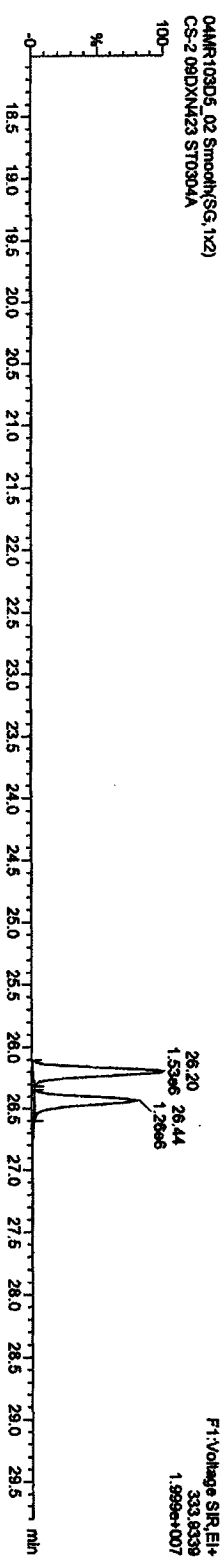
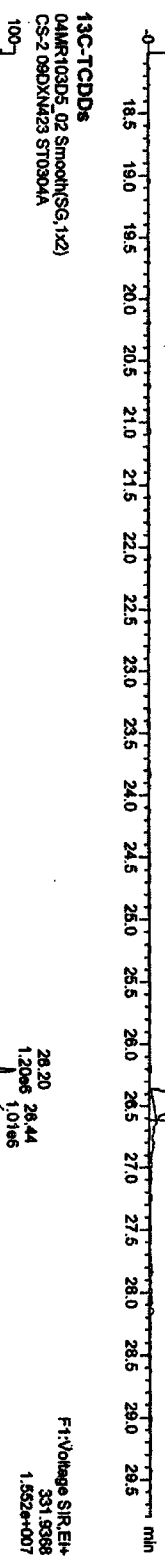


Quantity Sample Report Maslynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\CA030420103D516130CDF25.qtd

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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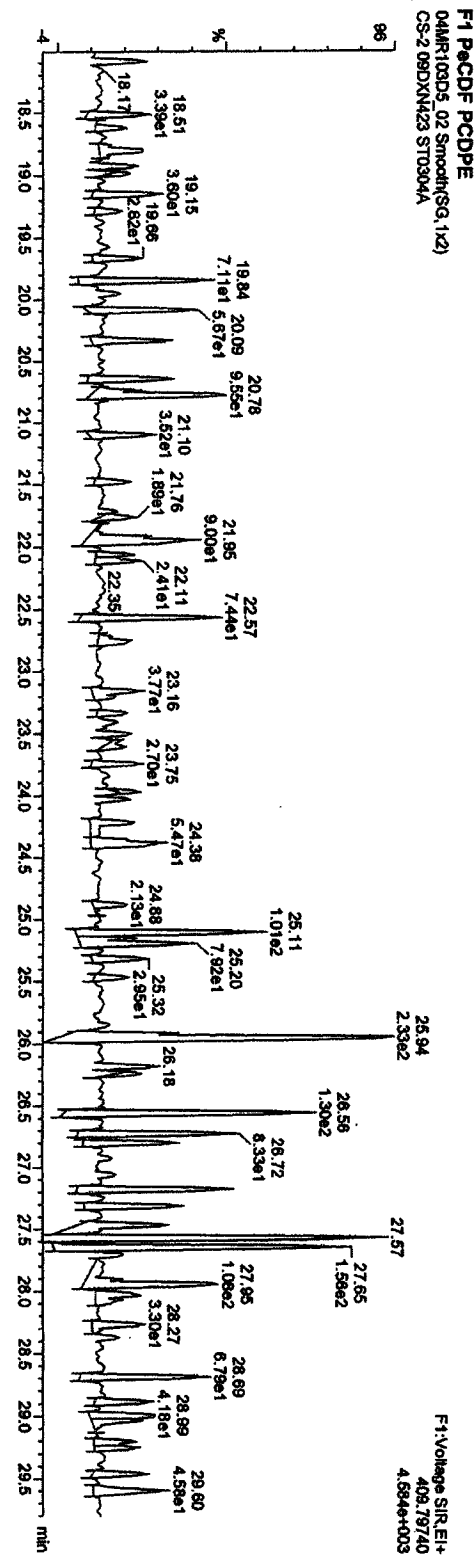
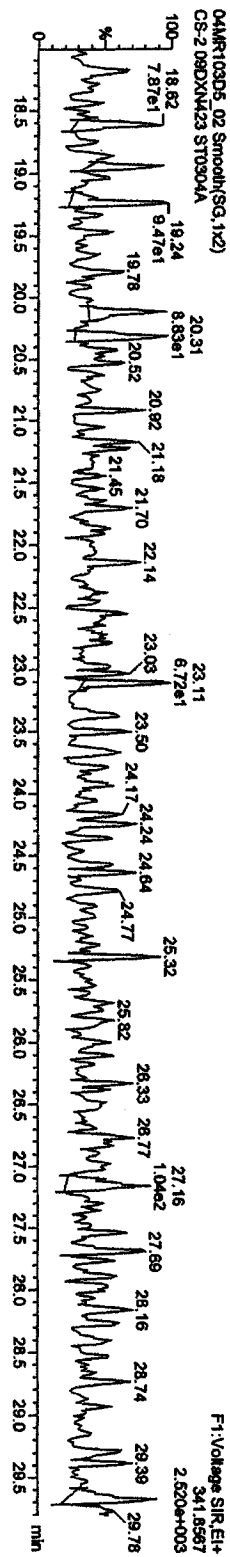
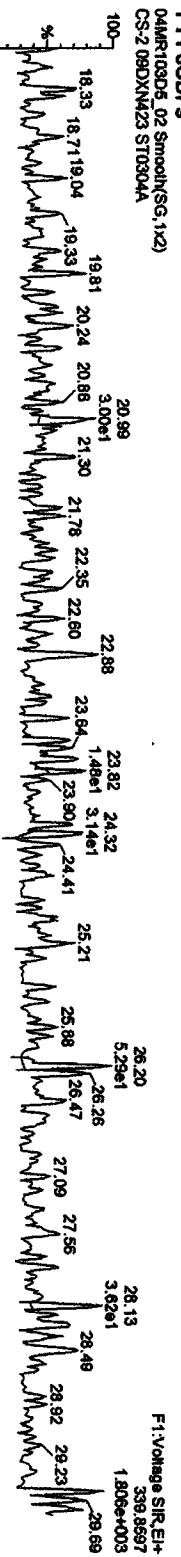


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010\PRONCA0304\20103D516130CDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2-09DXN423



Quantity Sample Report MassLynx 4.1

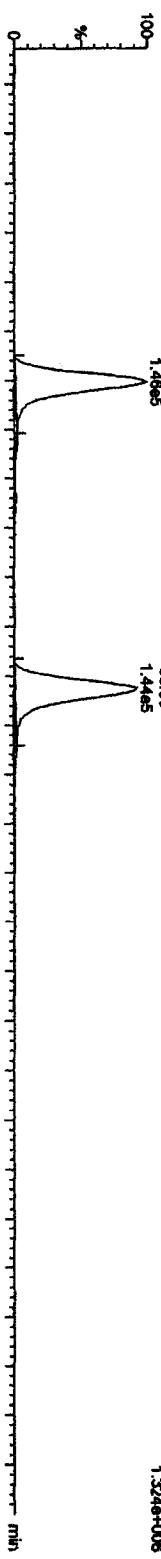
Dataset: C:\MassLynx\JAN2010\PRONICA0304\20103D516130CDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

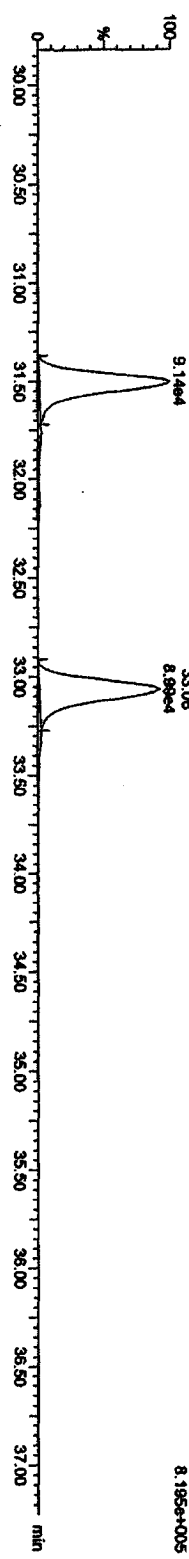
Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXNA23

PeCDFs

04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXNA23 ST0304A

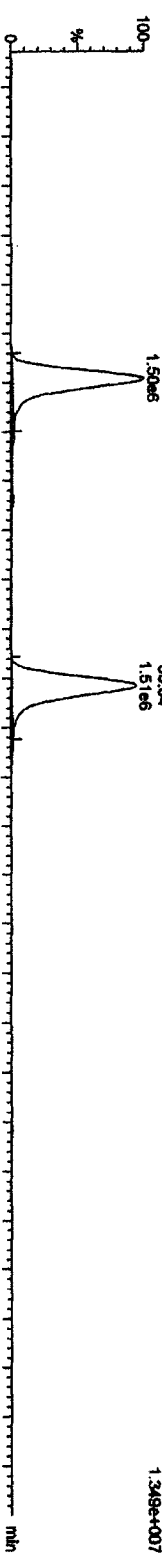


04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXNA23 ST0304A

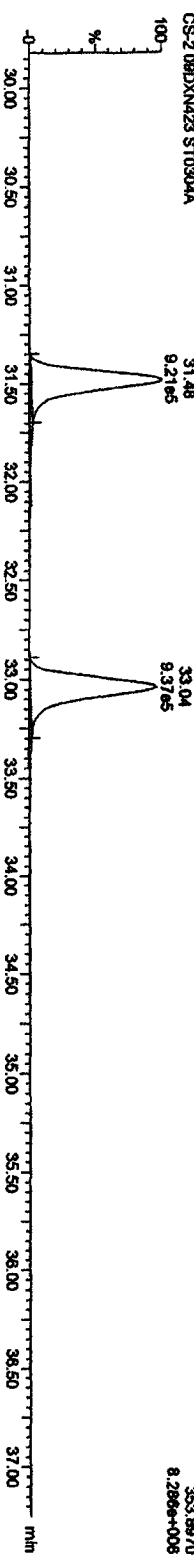


13C-PeCDFs

04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXNA23 ST0304A



04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXNA23 ST0304A



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA030420103D516130CCDF25.qld

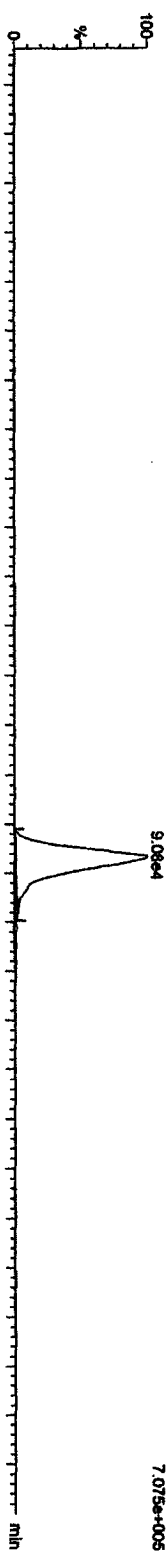
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time

Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

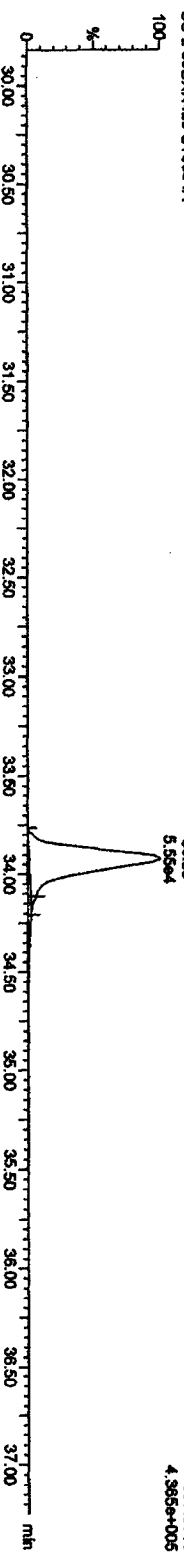
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PcDDs

04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A

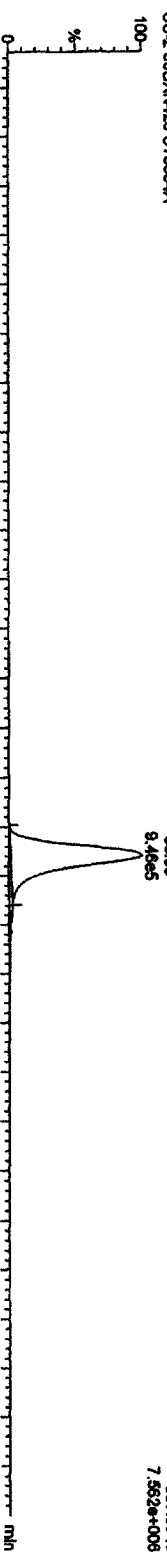


04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A

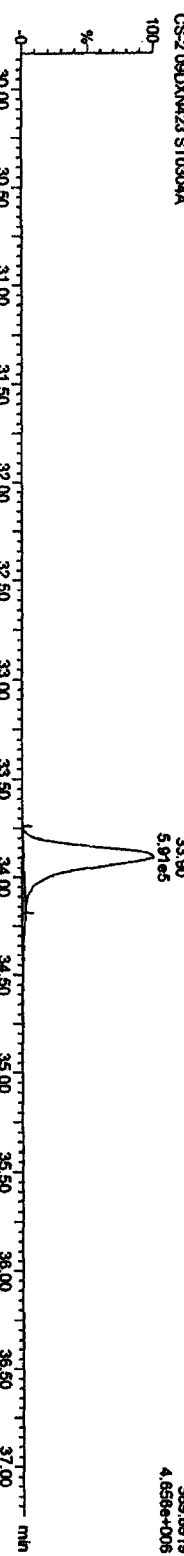


13C-PcCDD

04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A



04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A



Quantity Sample Report MassLynx 4.1

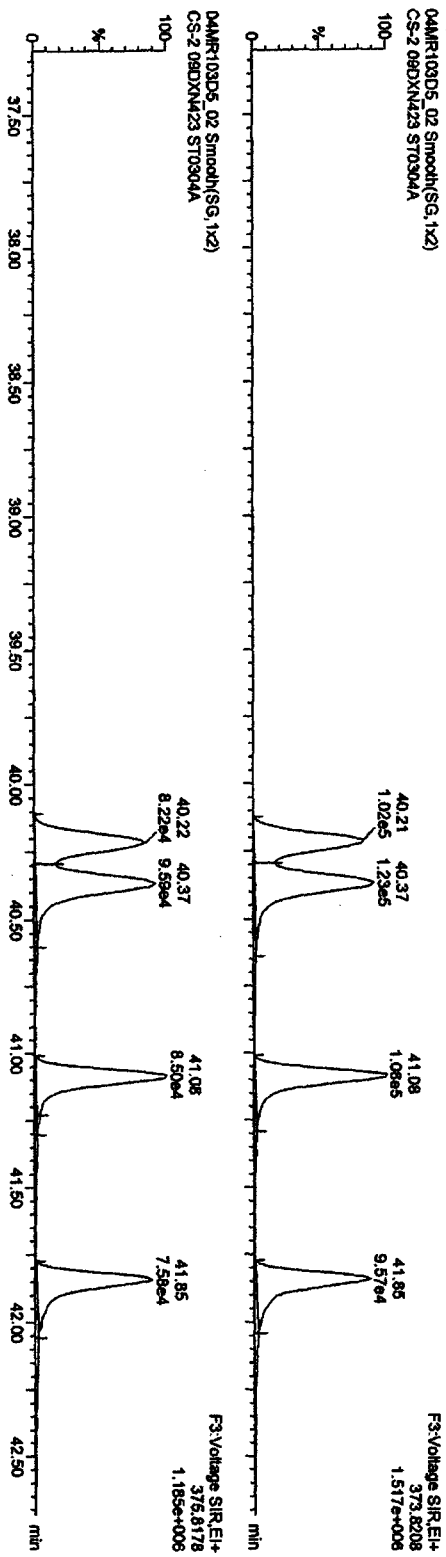
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time

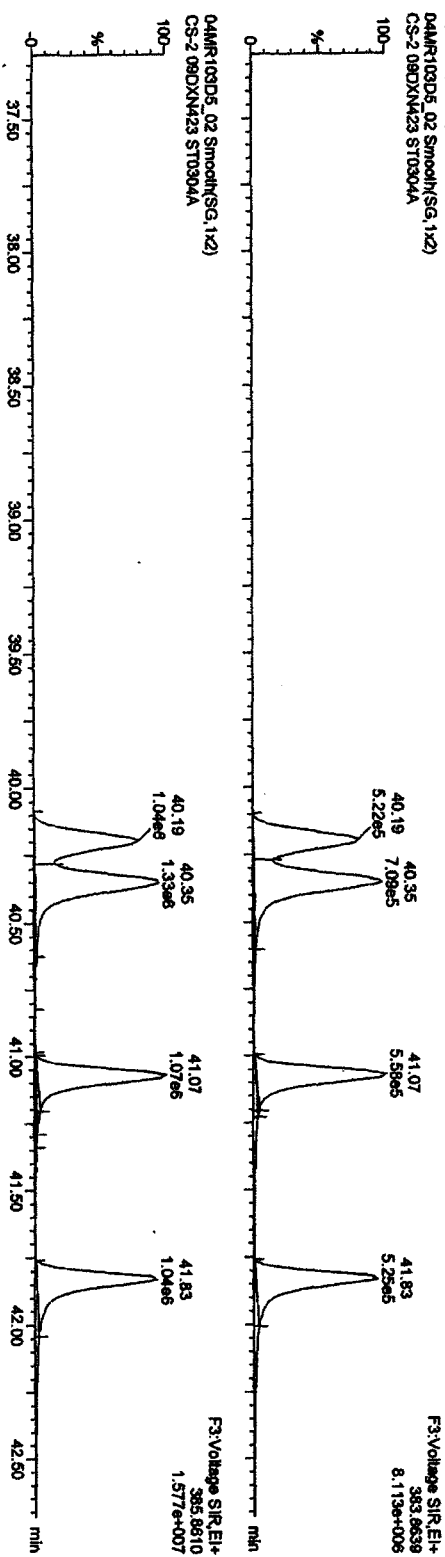
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2-09DXM423

HxCDFs



13C-HxCDFs



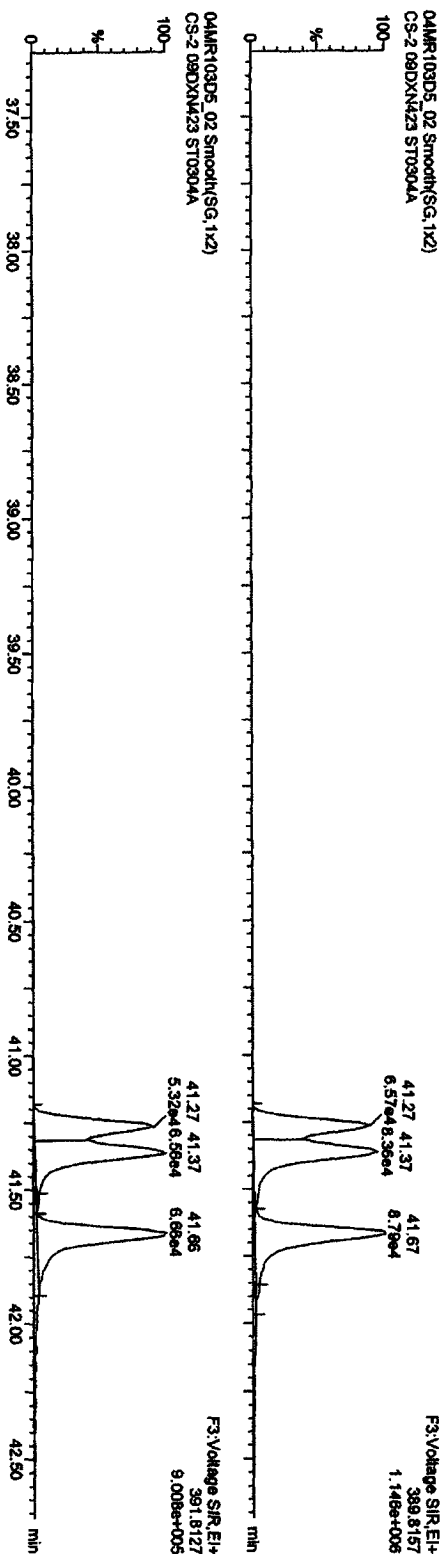
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UNAN2010\PROL\CA030420103D516130CCDF25.gld

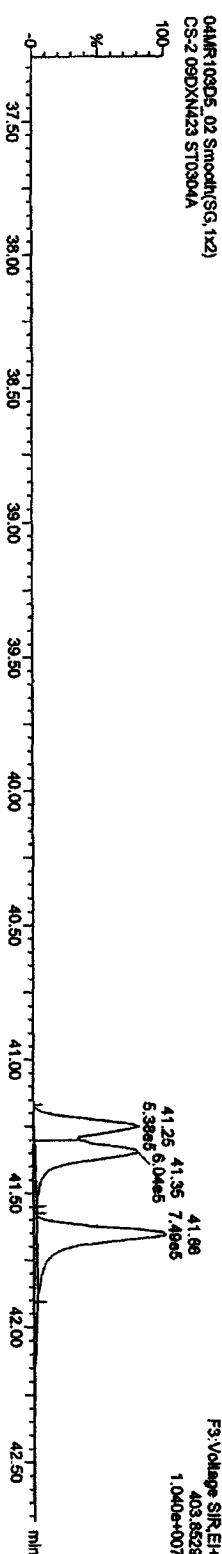
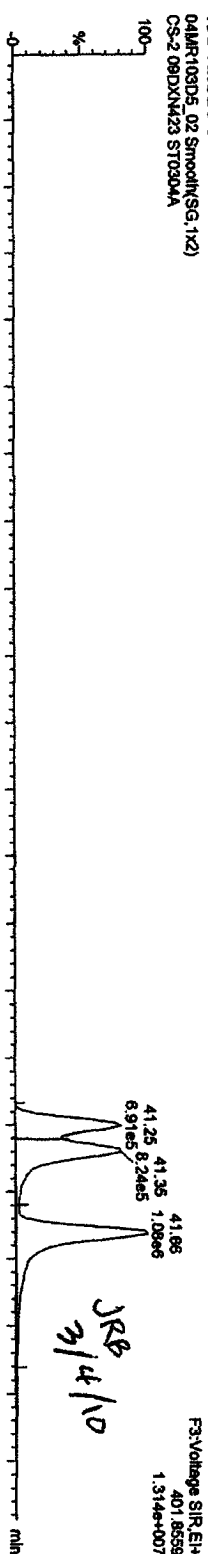
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

HxCDDs



13C-HxCDDs



Dataset: C:\MassLynx\JAN2010\PRO\ICAO30420103D516130CDDF25.qld

Last Altered: Thursday, March 04, 2010 15:31:45 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:32:13 Pacific Standard Time

Method: C:\MassLynx\JAN2010\PRO\Method\B16133D50CDD25.mdb 04 Mar 2010 12:40:27
Calibration: 04 Mar 2010 15:31:45

Sample Name: 04MR103D5_02

04MR103D5_02 Smooth(SG, 1x2)
CS-2 09DXN423 ST0304A

F3:Voltage SIR_EI+
401.8559
1.314e+007

Manual Edit Codes

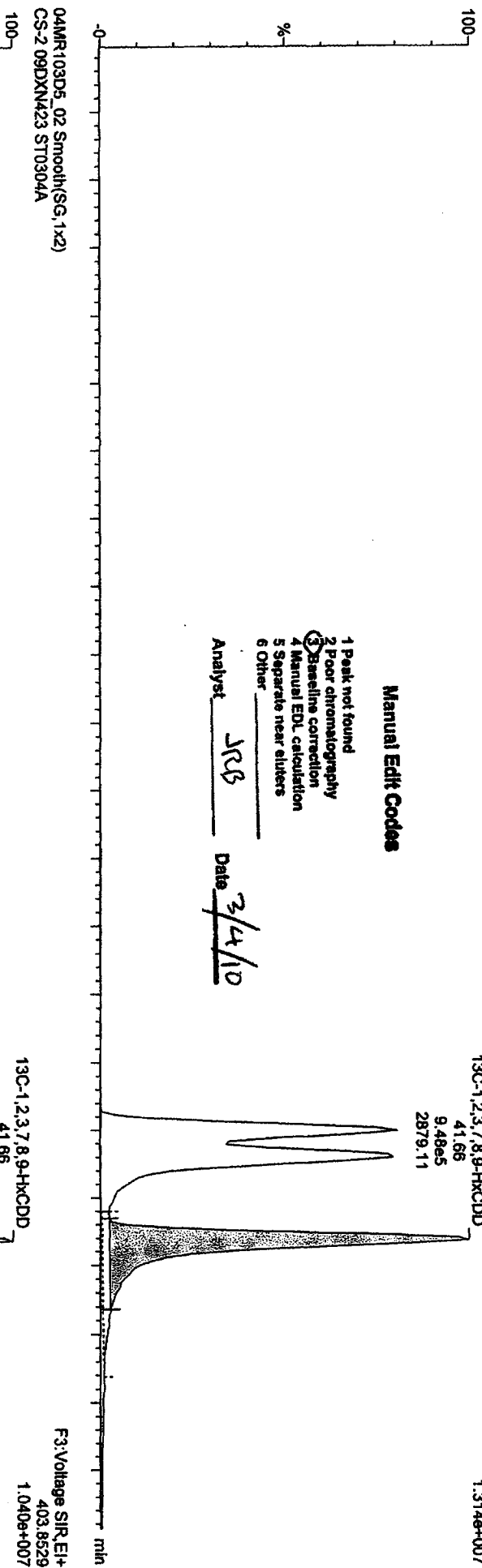
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst

JRB

Date

3/4/10



04MR103D5_02 Smooth(SG, 1x2)
CS-2 09DXN423 ST0304A

13C-1,2,3,7,8,9-HKCDD

F3:Voltage SIR_EI+
403.8529
1.040e+007

Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UN2010\PROL\CA030420103D516130CDF25.qld

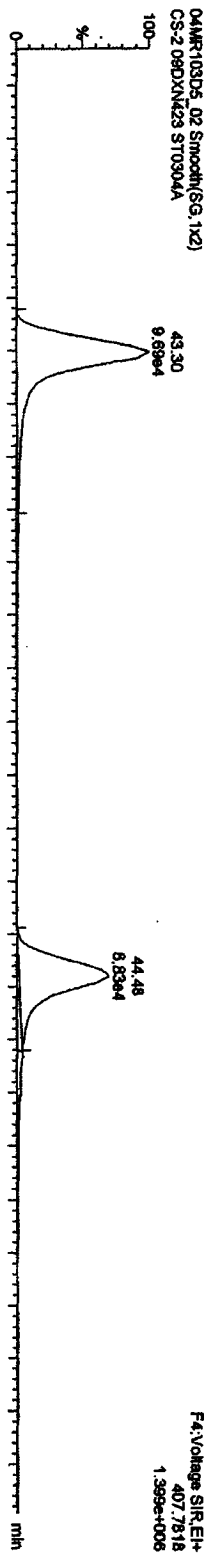
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Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

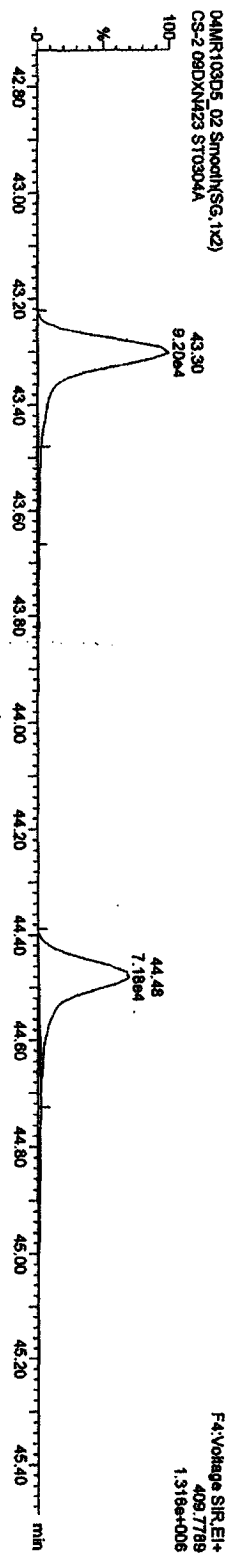
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HpCDFs

04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A

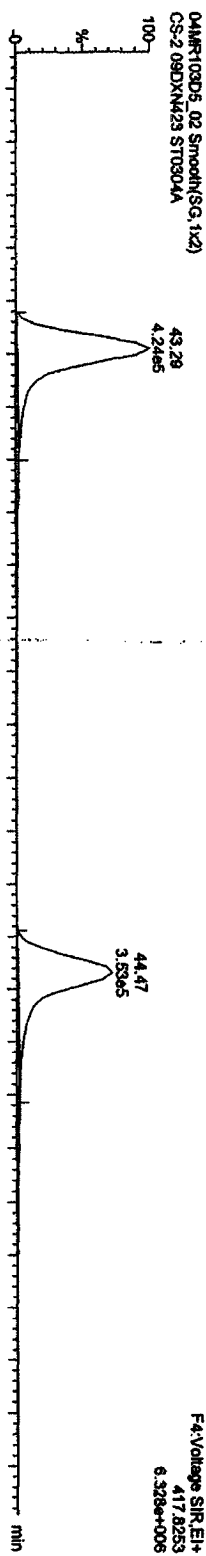


04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A

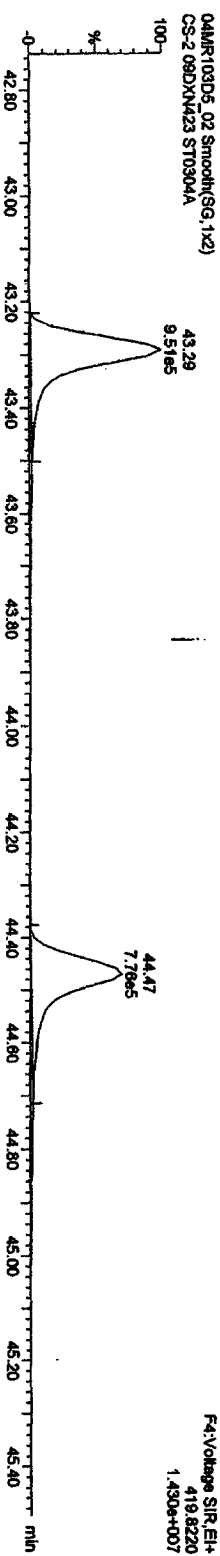


13C-HpCDFs

04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



Quantity Sample Report Masslynx 4.1

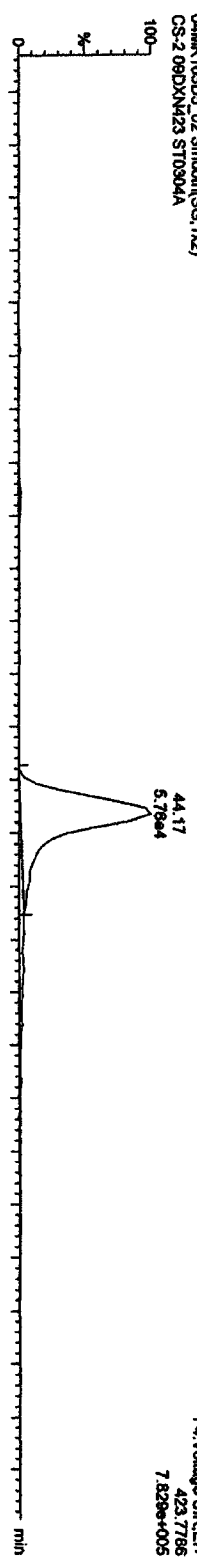
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

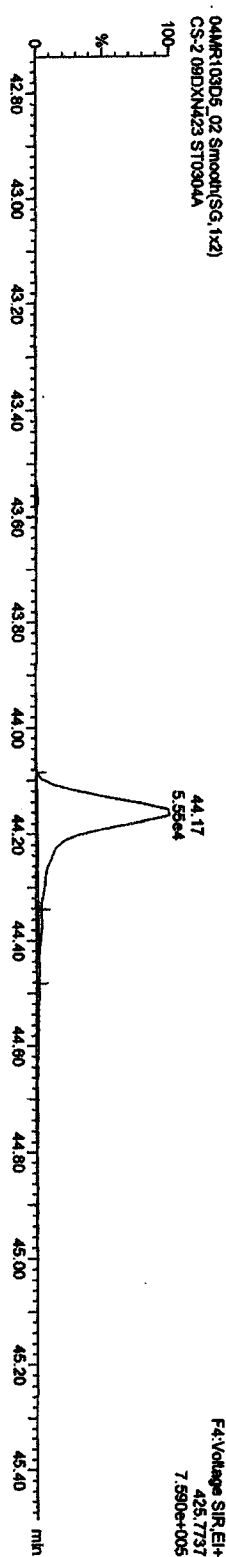
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HpCDDs

04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXN423 ST0304A

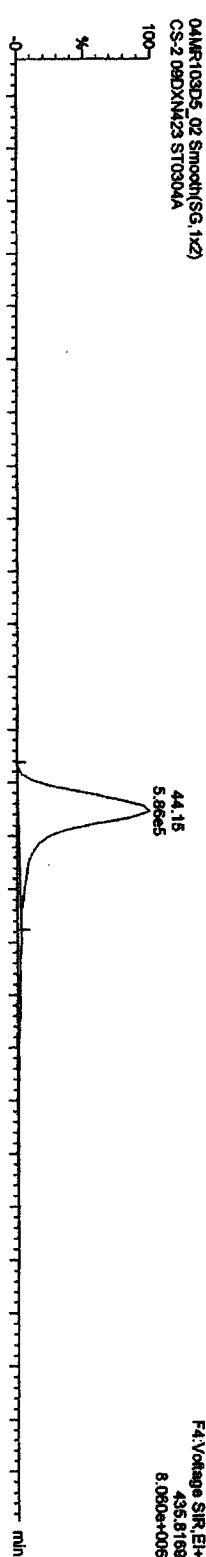


04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXN423 ST0304A

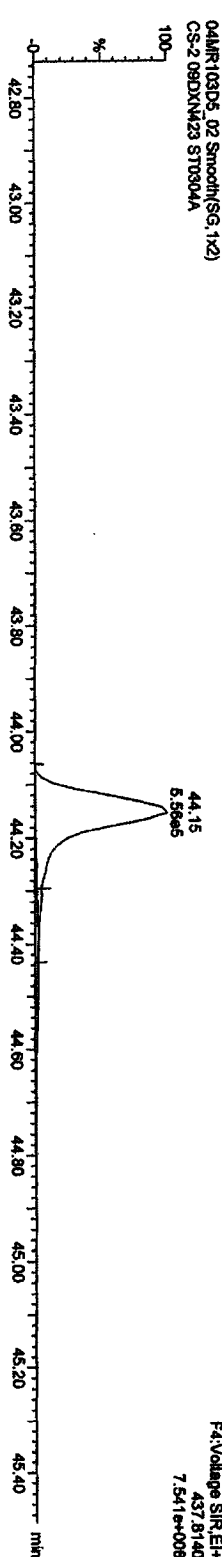


13C-HpCDD

04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXN423 ST0304A



04MR103D5_02 Smooth(SG,1x2)
CS-2 09DXN423 ST0304A



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROL\CA030420103D516130CCDF25.qld

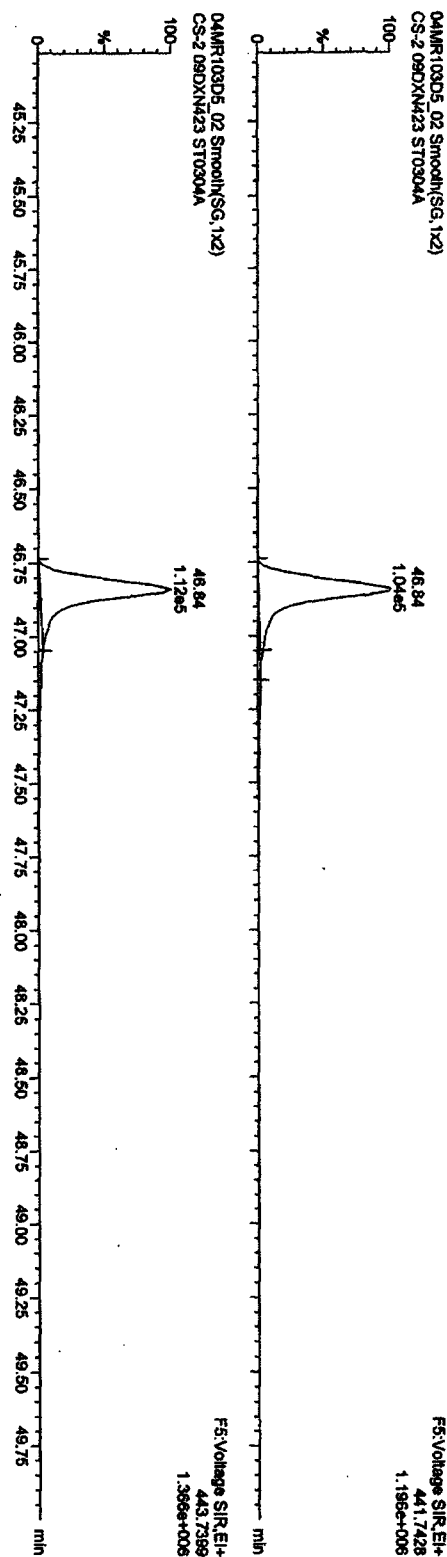
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time

Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

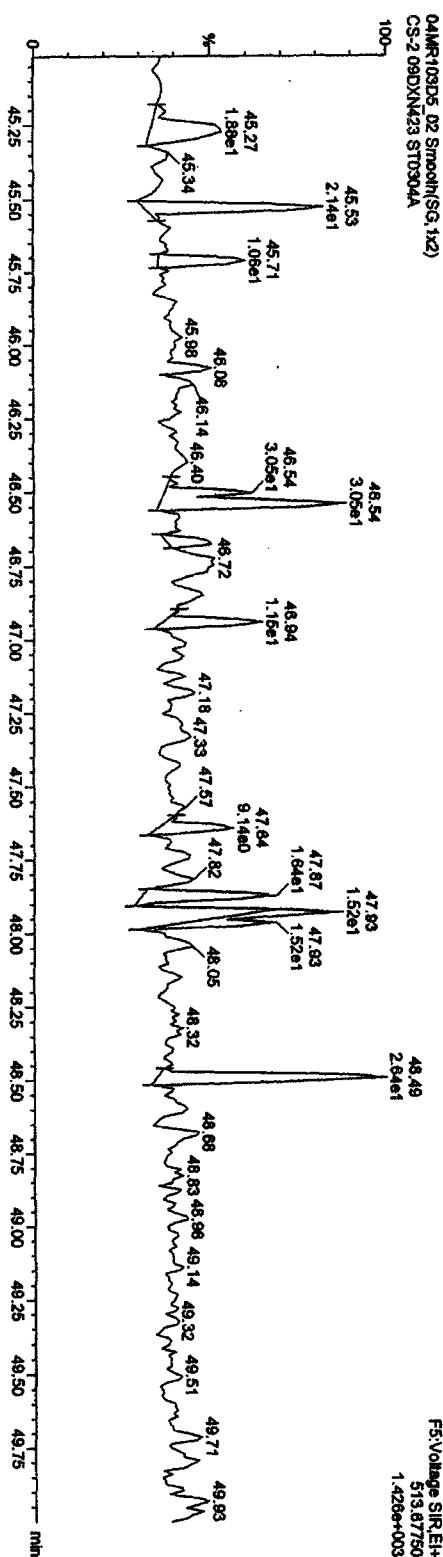
OCDFs

04MR103D5_02 Smooth(SG, 1x2)
CS-2 09DXN423 ST0304A



OCDF PCDPE

04MR103D5_02 Smooth(SG, 1x2)
CS-2 09DXN423 ST0304A



Quantity Sample Report MassLynx 4.1

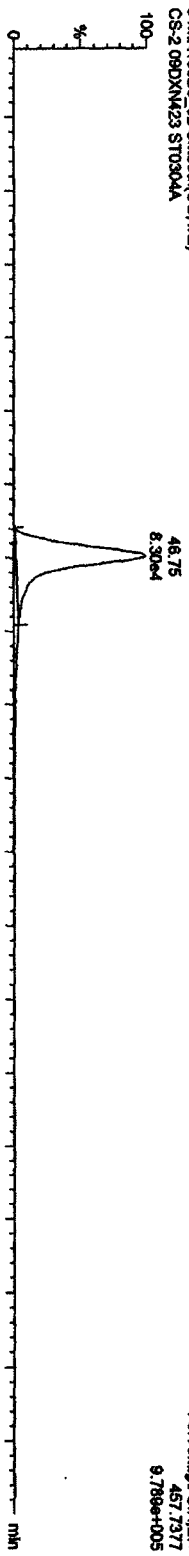
Dataset: C:\MassLynx\LAN2010\PROVICA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

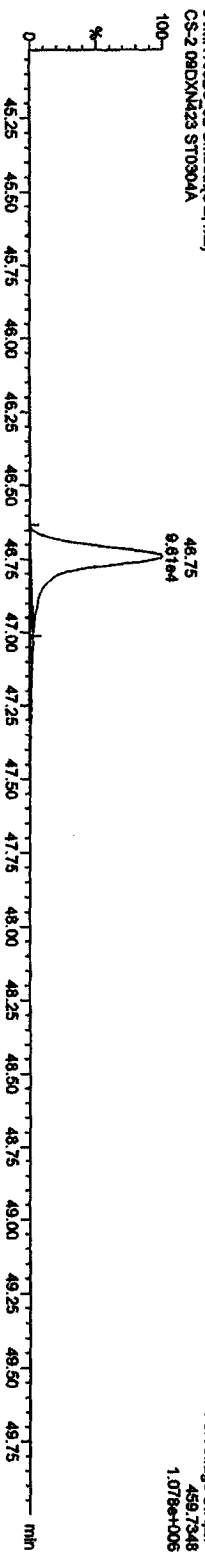
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OCDD

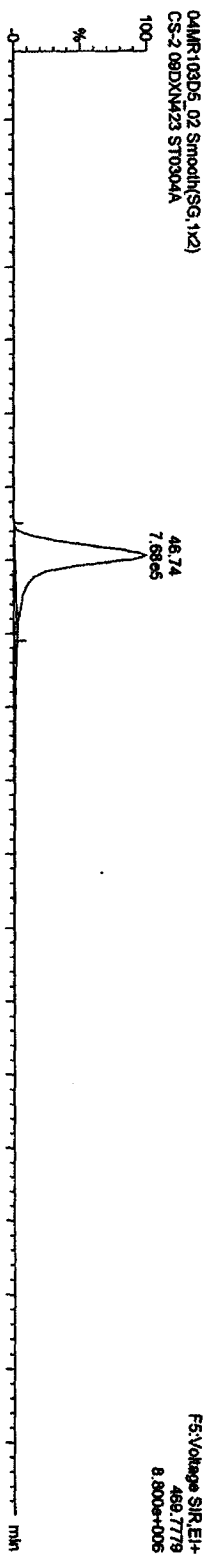
04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A



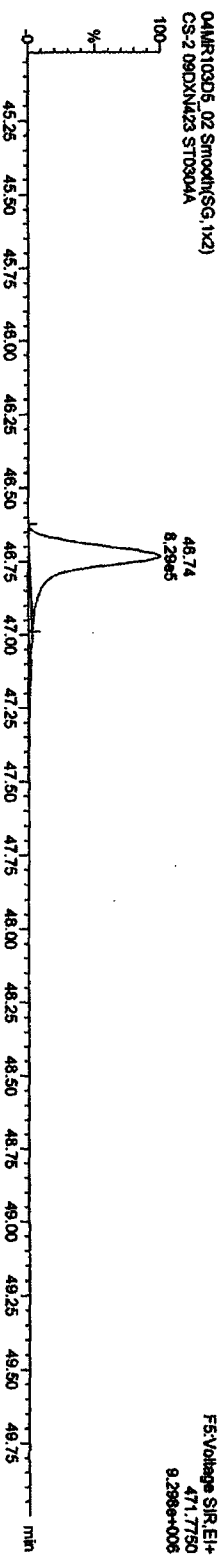
04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A



04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A



04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXM423 ST0304A



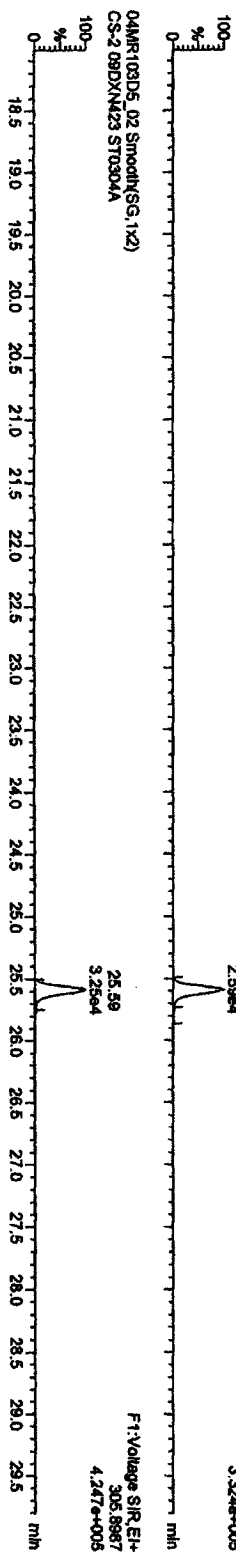
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PRONCA0304201030D516130CCDF26.qld

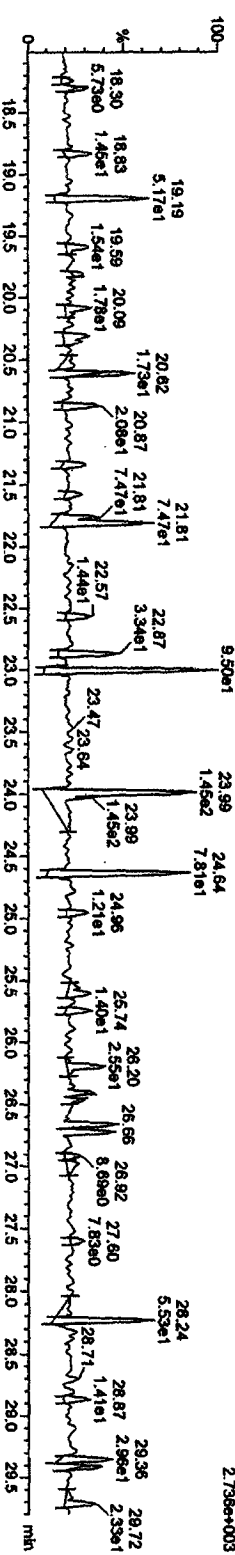
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304, Description: CS-2-09DXN423

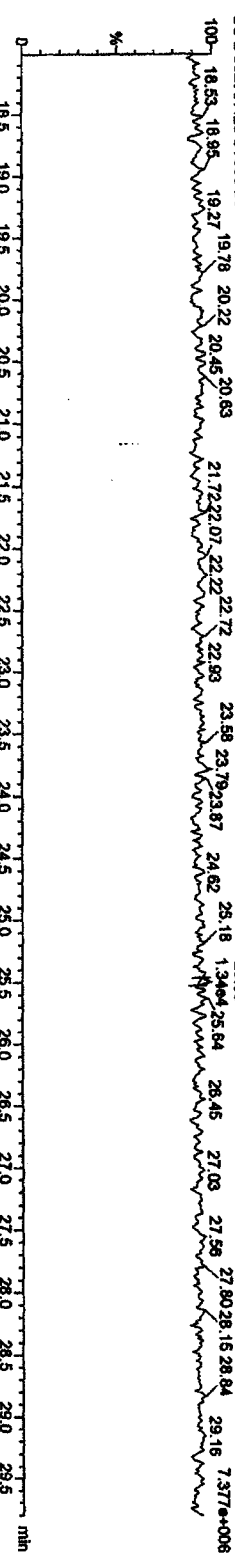
TCDFs
04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



TCDF PCDFE
04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A



Function 1 PFK
04MR103D5_02 Smooth(SG, 1x2)
CS-2-09DXN423 ST0304A

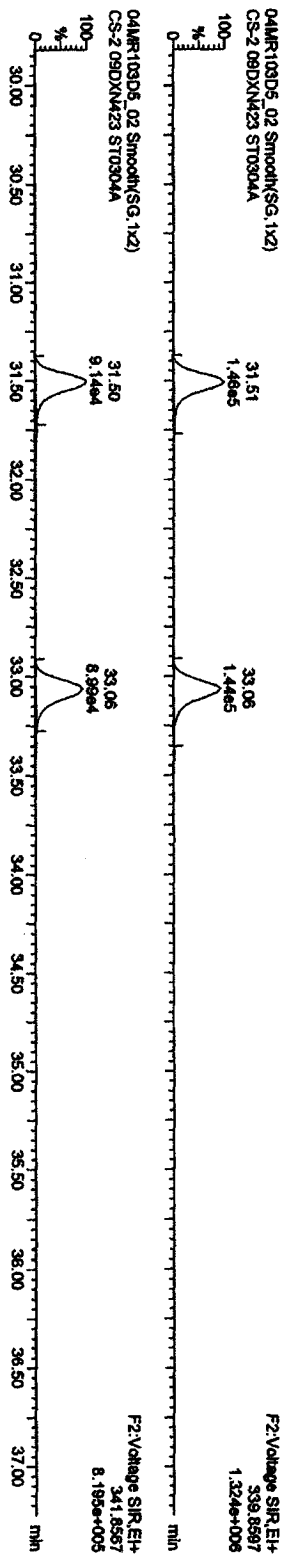


Dataset: C:\Masslynx\LAN2010\PROUCA030420103D516130CDF25.qdd

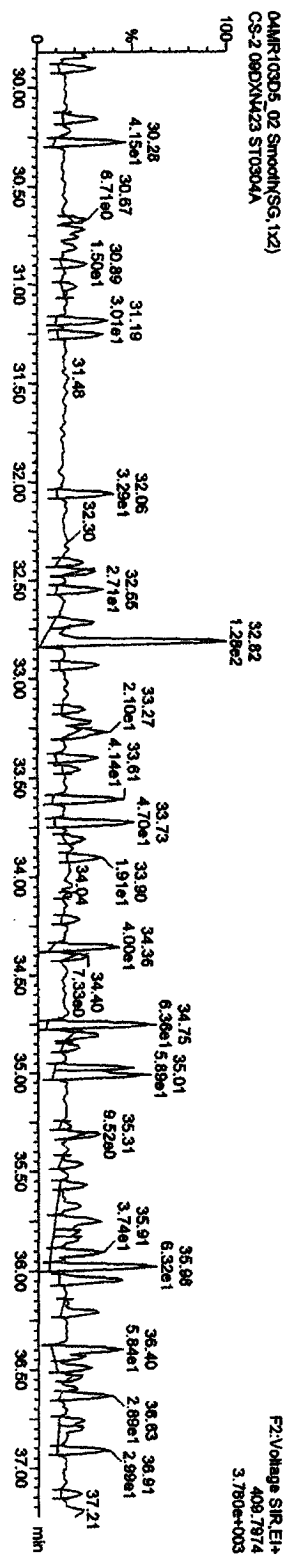
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2-09DXN423

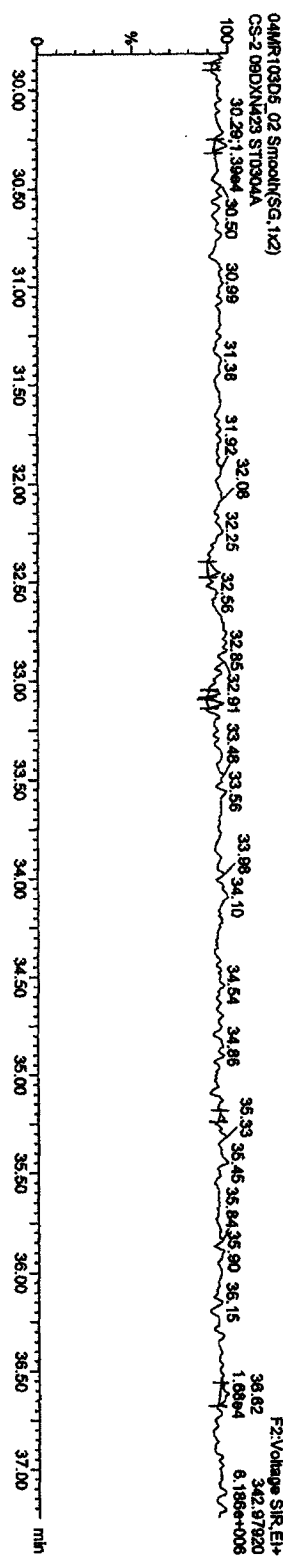
PeCDF



F2 PeCDF PeCDPE



Function 2 PFK

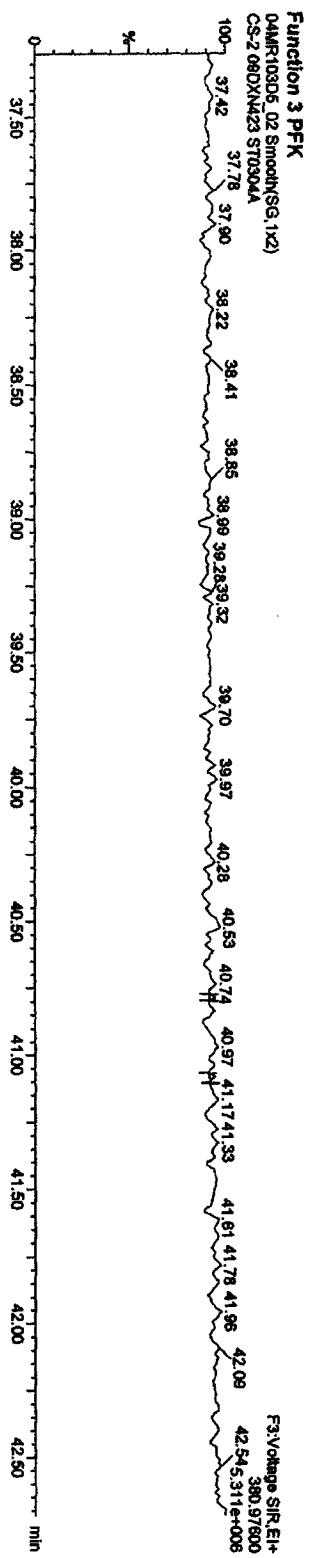
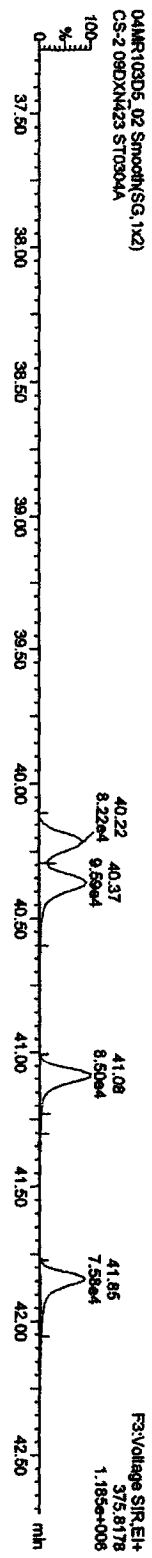
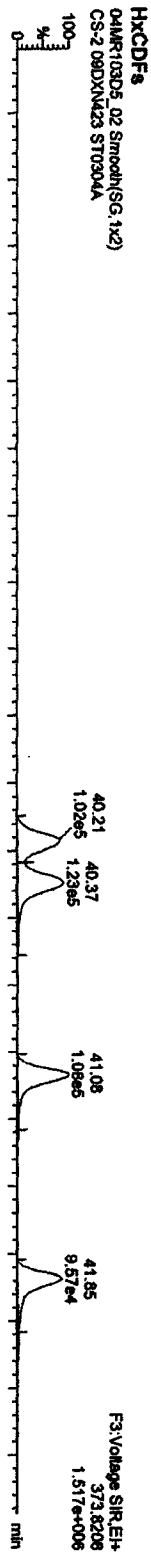


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA030420103D516130CDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423



Quantity Sample Report MassLynx 4.1

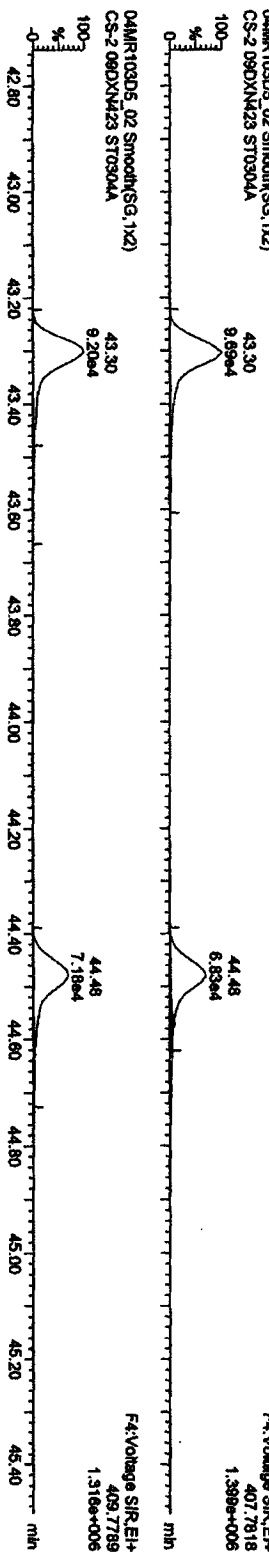
Dataset: C:\MassLynx\UAN2010\PROVICA030420103D516130CDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2-09DXN423

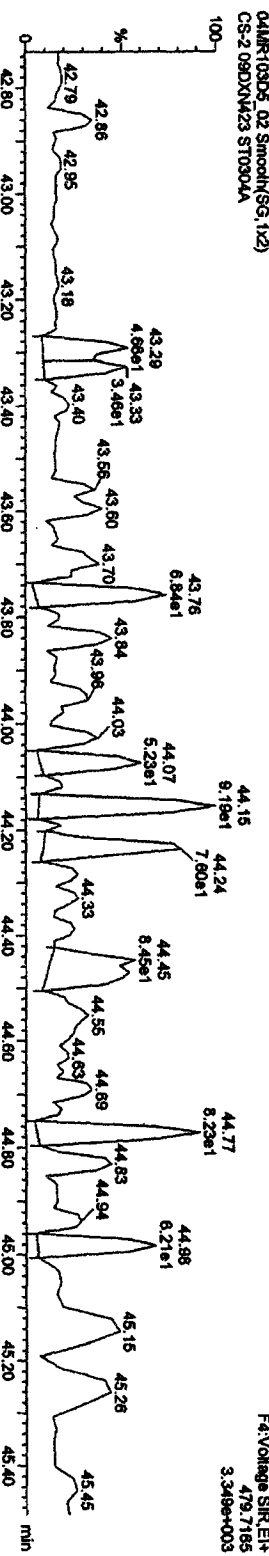
HplCDFs

04MR103D5_02 Smooth(SG,1x2)
CS-2-09DXN423 ST0304A



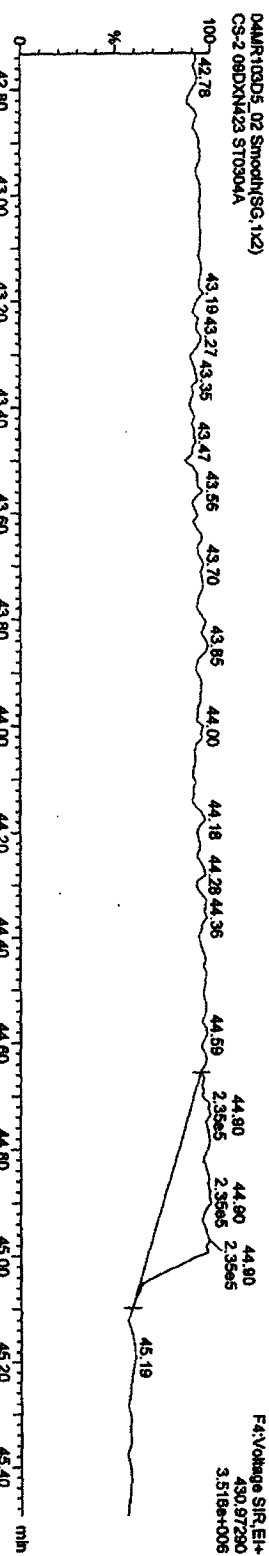
HplCDF PCDPE

04MR103D5_02 Smooth(SG,1x2)
CS-2-09DXN423 ST0304A



Function 4 PFK

04MR103D5_02 Smooth(SG,1x2)
CS-2-09DXN423 ST0304A



Quantity Sample Report Masslynx 4.1

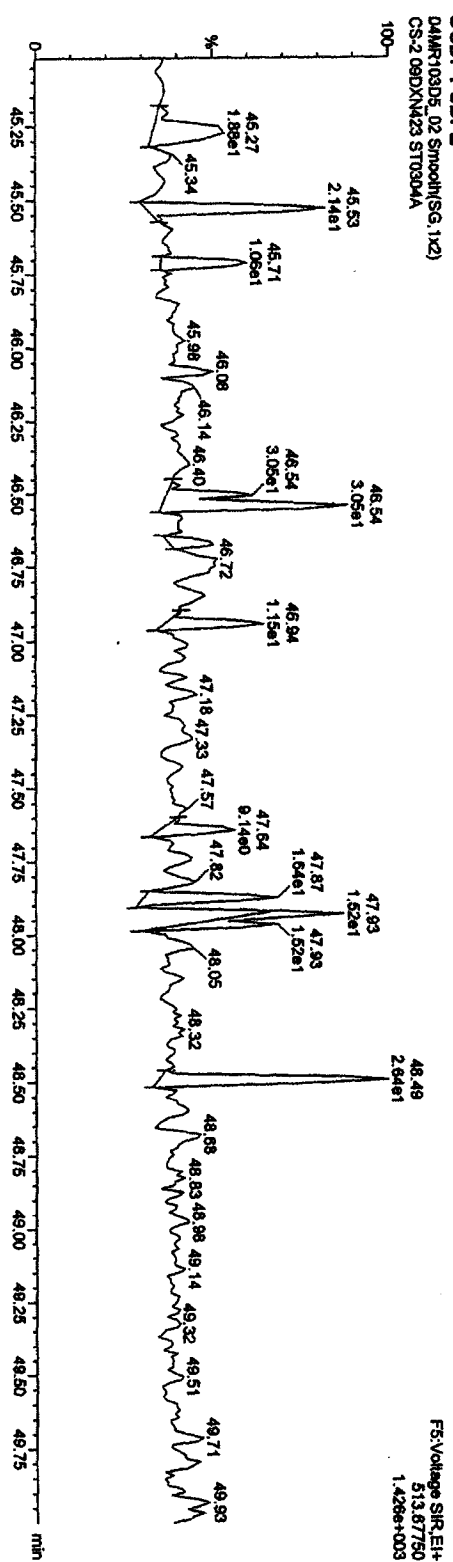
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Last Altered: Thursday, March 04, 2010 15:26:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR1030D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304, Description: CS-2 09DXN423

OCDF PCDDPE

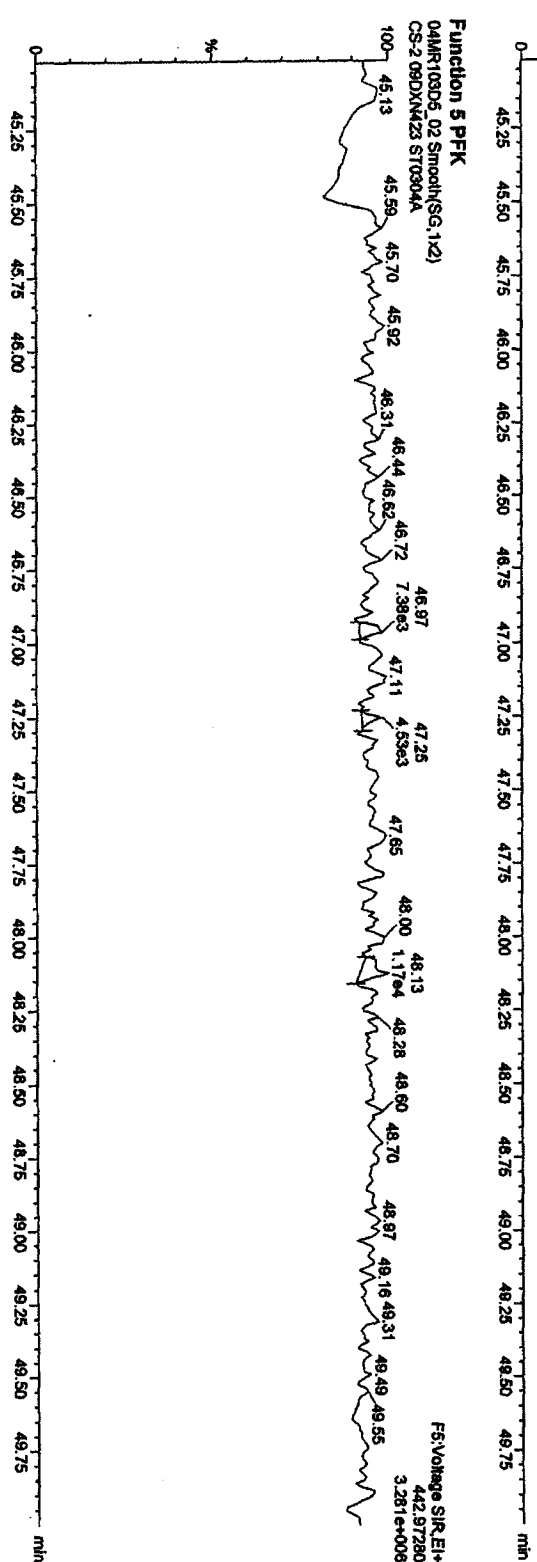
04MR1030D5_02 Smooth(SG,1x2)
CS-2 09DXN423 ST0304A



FS:Voltage SIR.EI+
513.87750
1.428e+003

Function 5 PFK

04MR1030D5_02 Smooth(SG,1x2)
CS-2 09DXN423 ST0304A



FS:Voltage SIR.EI+
442.97280
3.281e+006

Quantity Sample Report MassLynx 4.1

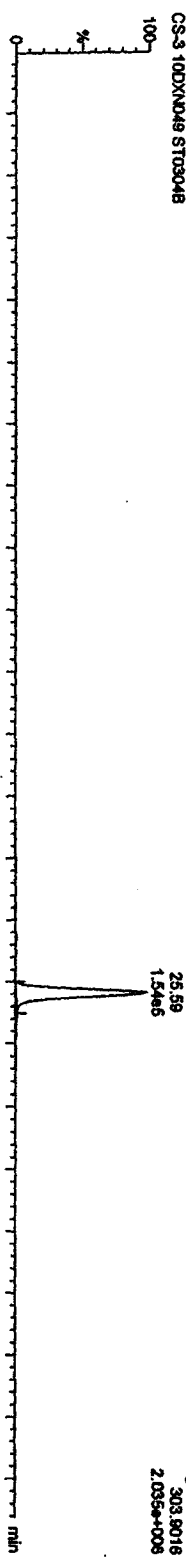
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

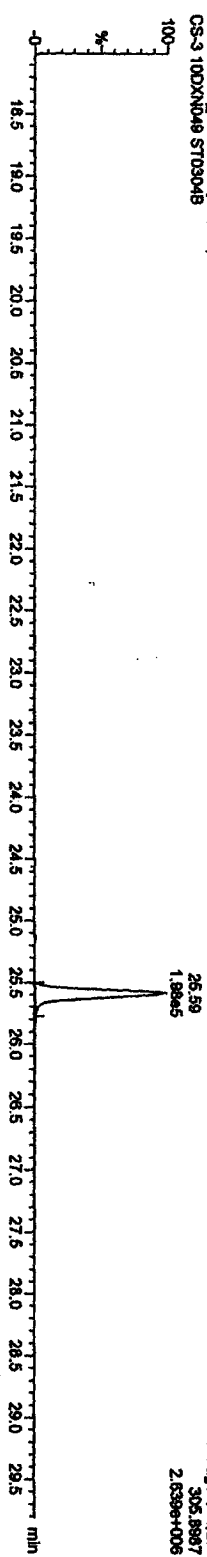
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

TCDFs

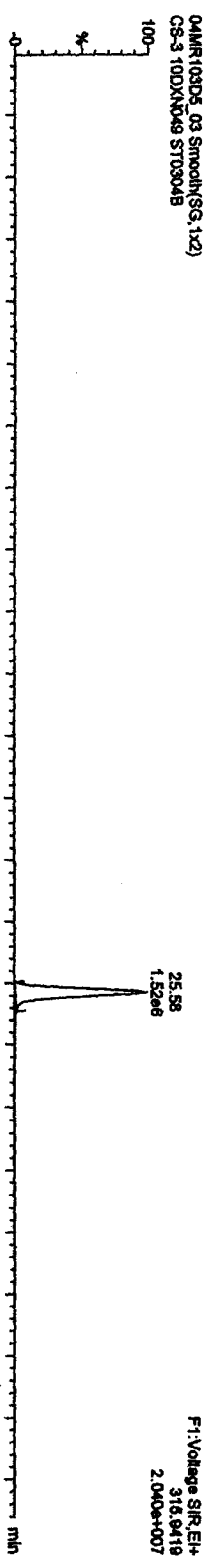
04MR103D5_03 Smooth(SG,1x2)
CS-3 10DXN049 ST0304B



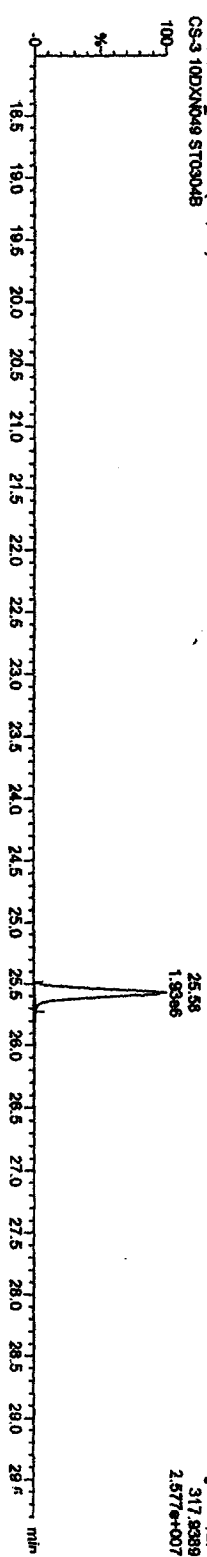
04MR103D5_03 Smooth(SG,1x2)
CS-3 10DXN049 ST0304B



04MR103D5_03 Smooth(SG,1x2)
CS-3 10DXN049 ST0304B



04MR103D5_03 Smooth(SG,1x2)
CS-3 10DXN049 ST0304B



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LANZ2010\PROVICA030420103D516130CCDF25.qld

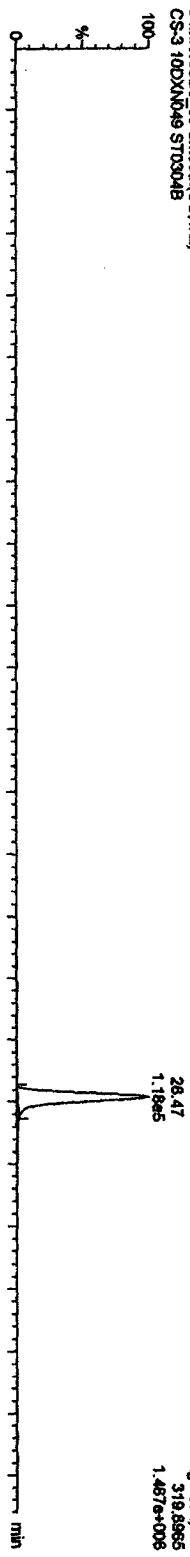
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time

Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

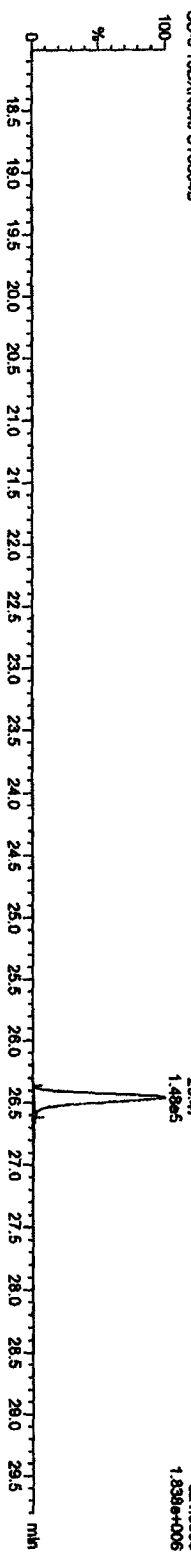
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

TCDDs

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B

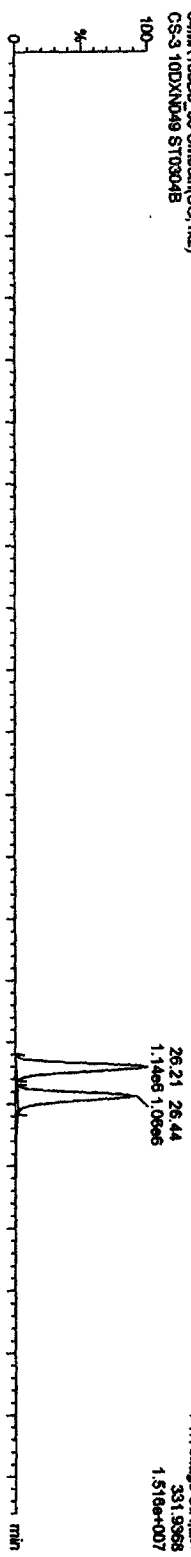


04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B

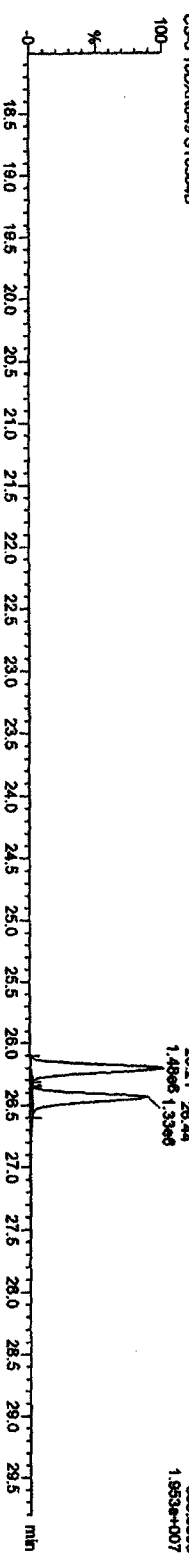


13C-TCDDs

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



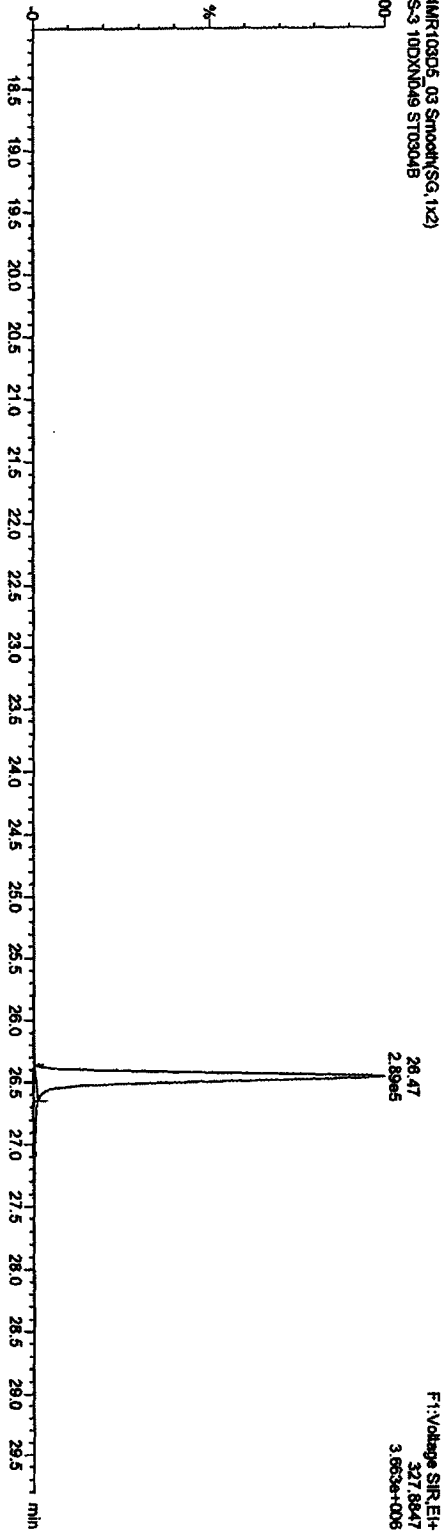
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PRO\CA030420103D518130CCDF25.qld

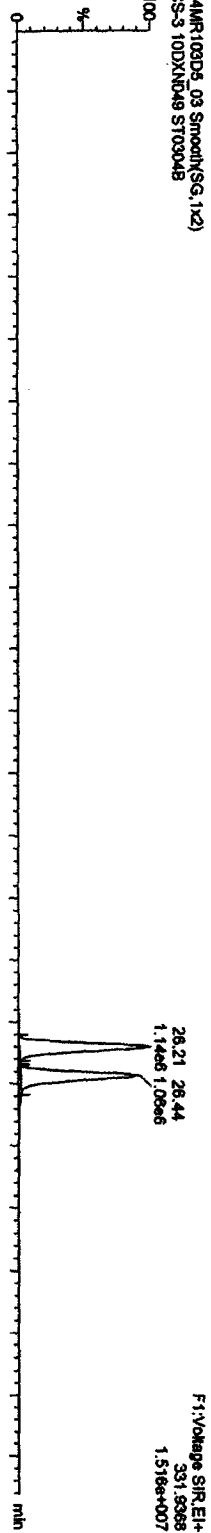
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXND49

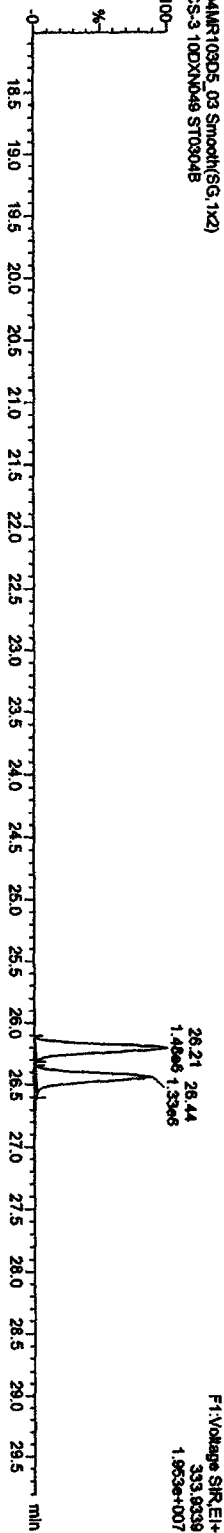
37CL-2,3,7,8-TCDD
04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXND49 ST0304B



13C-TCDDs
04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXND49 ST0304B



04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXND49 ST0304B

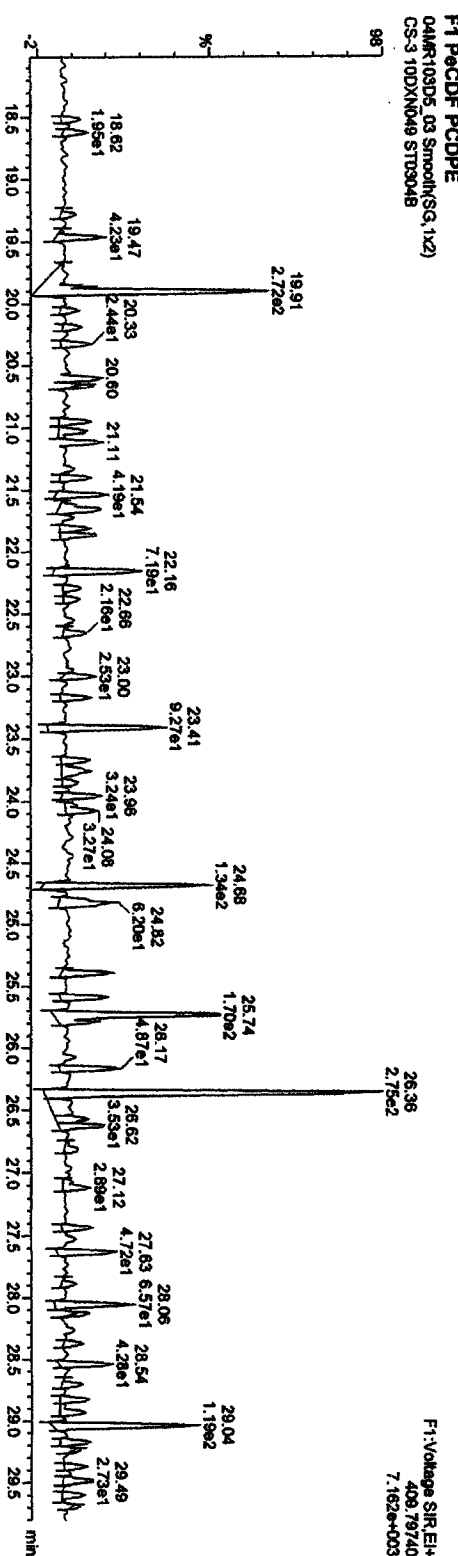
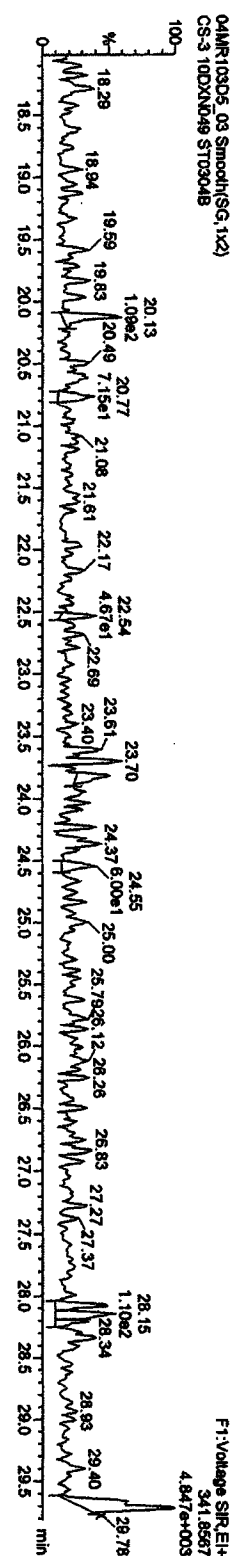
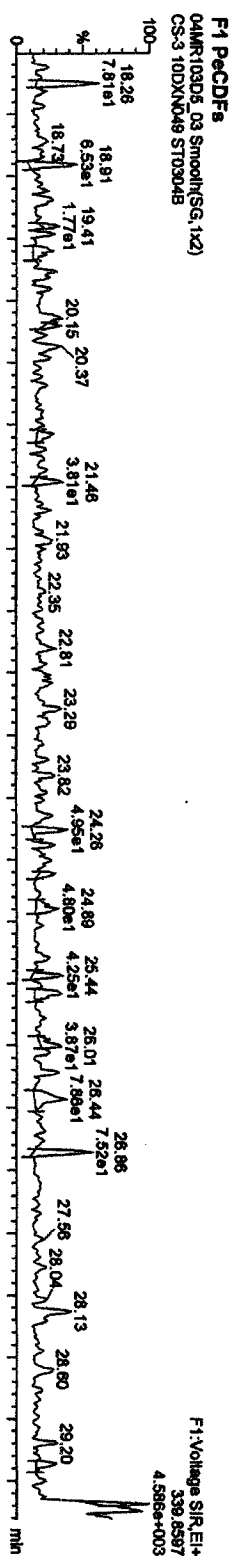


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\JAN2010\PROV\CA030420103D516130CCDF25.dld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049



Quantity Sample Report MassLynx 4.1

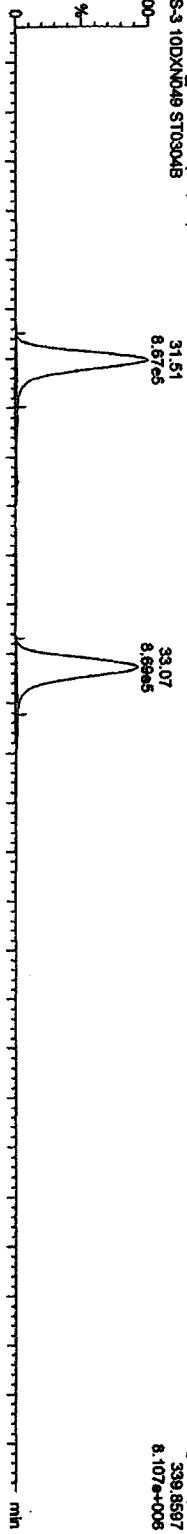
Dataset: C:\MassLynx\JAN2010\PROVICA030420103D516130CDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

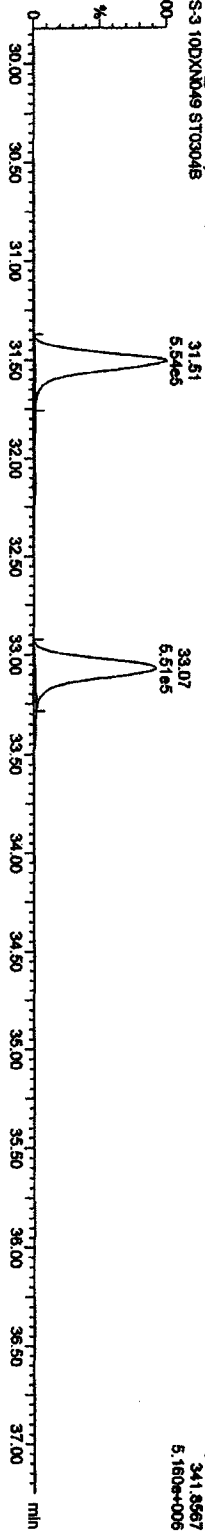
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PeCDFs

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B

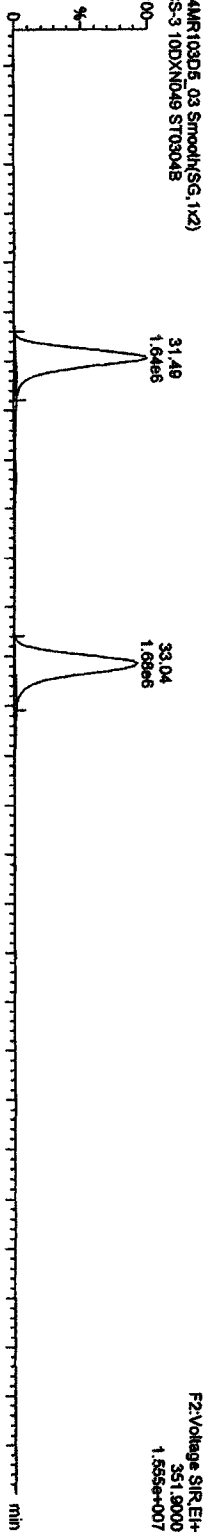


04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B

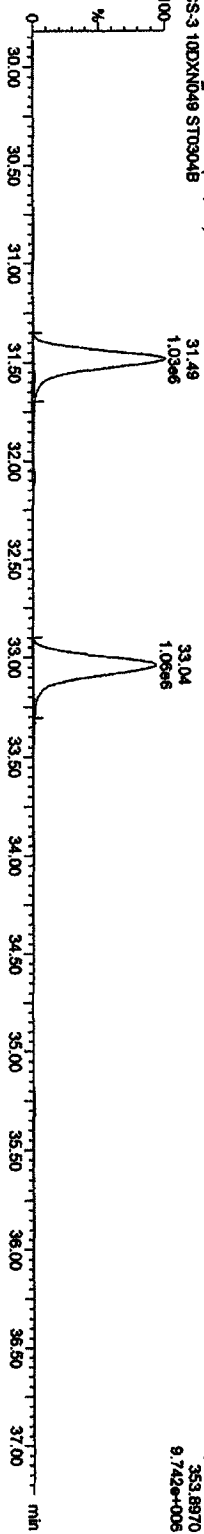


13C-PeCDFs

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



Quantity Sample Report MassLynx 4.1

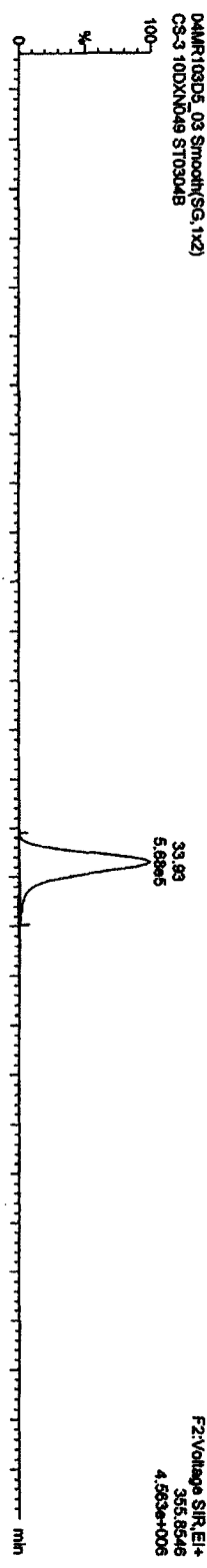
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

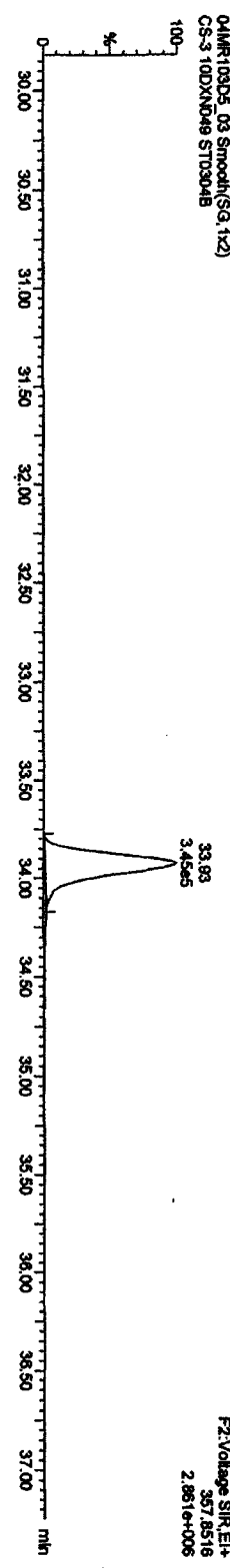
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

PecDDs

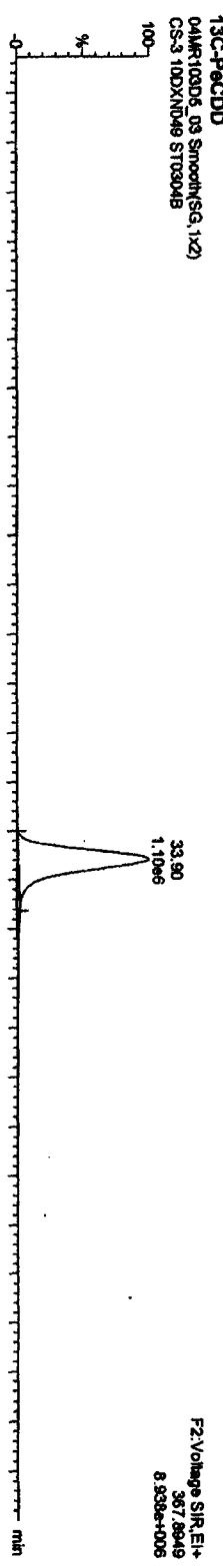
04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



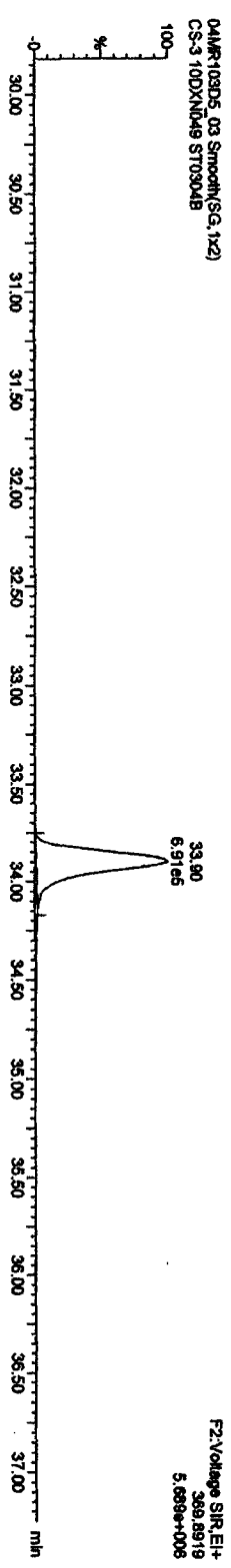
04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



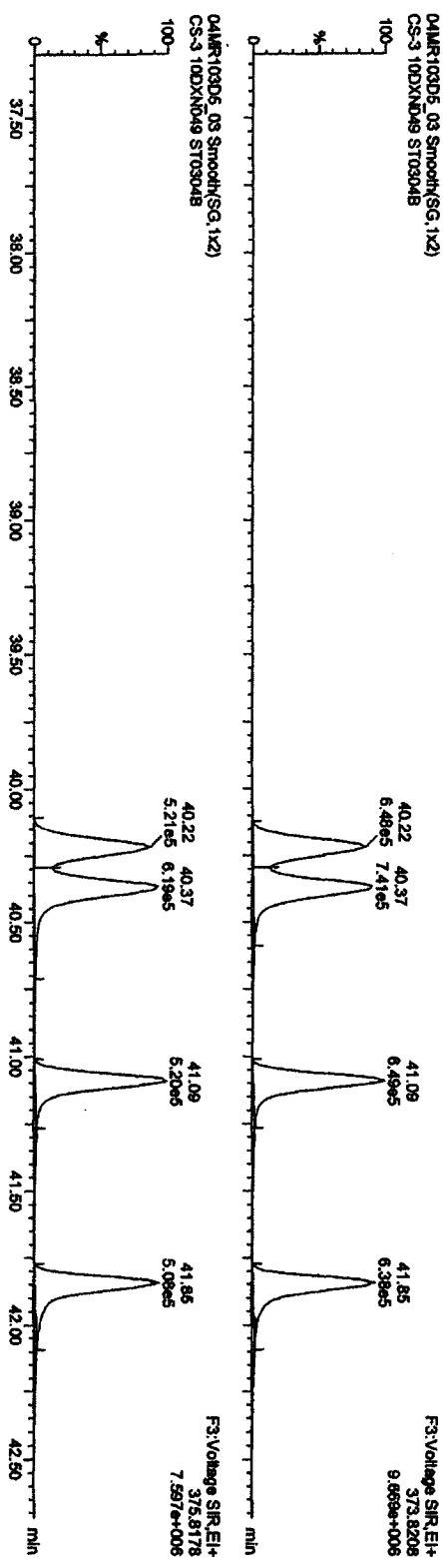
Quantity Sample Report Maselynx 4.1

Dataset: C:\MassLynx\LANZ2010\PROVCA030420103D516130CCDF25.qld

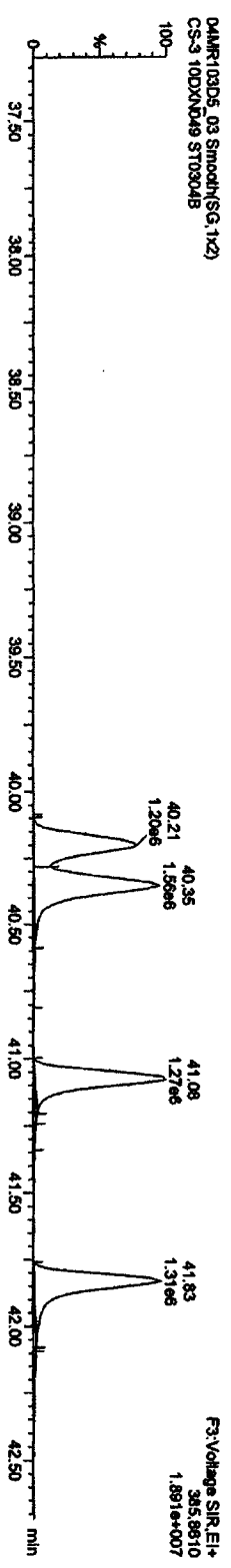
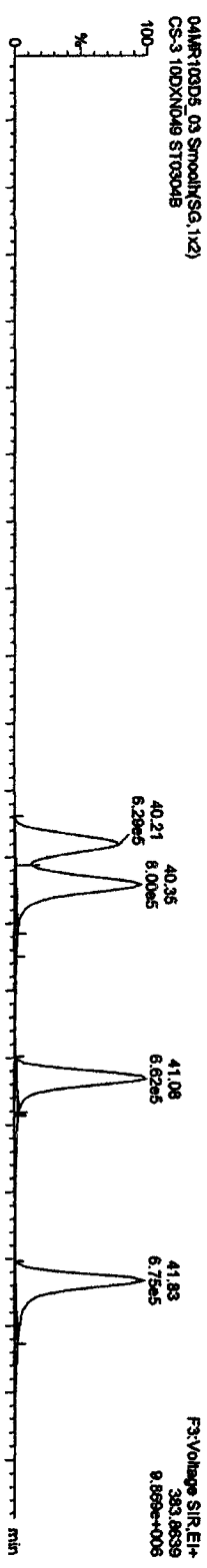
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXND49

HxCDFs



13C-HxCDFs



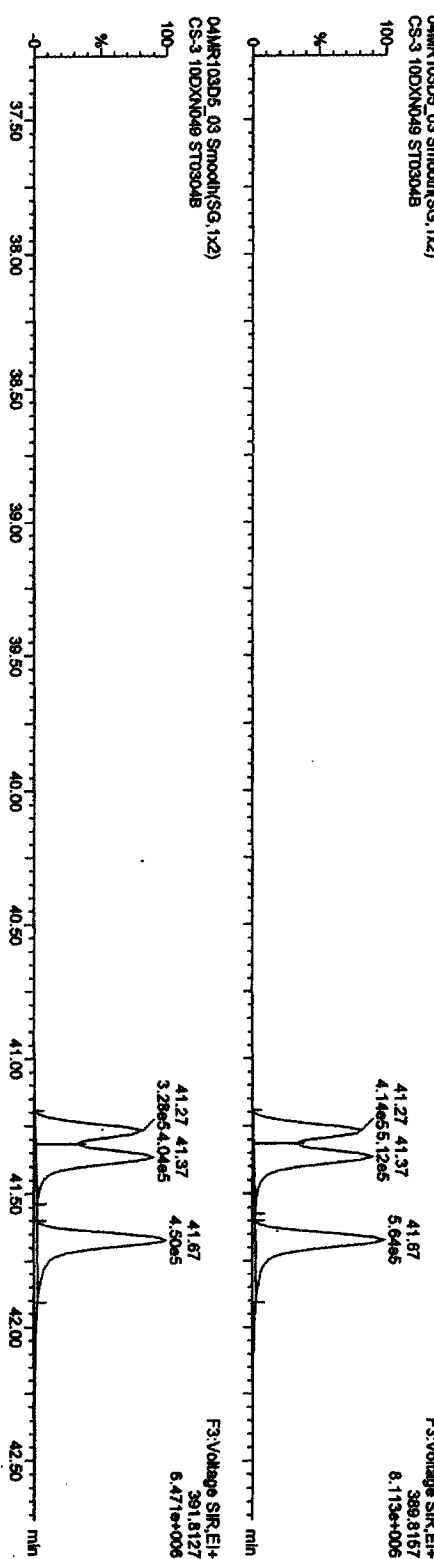
Quantity Sample Report MassLynx 4.1

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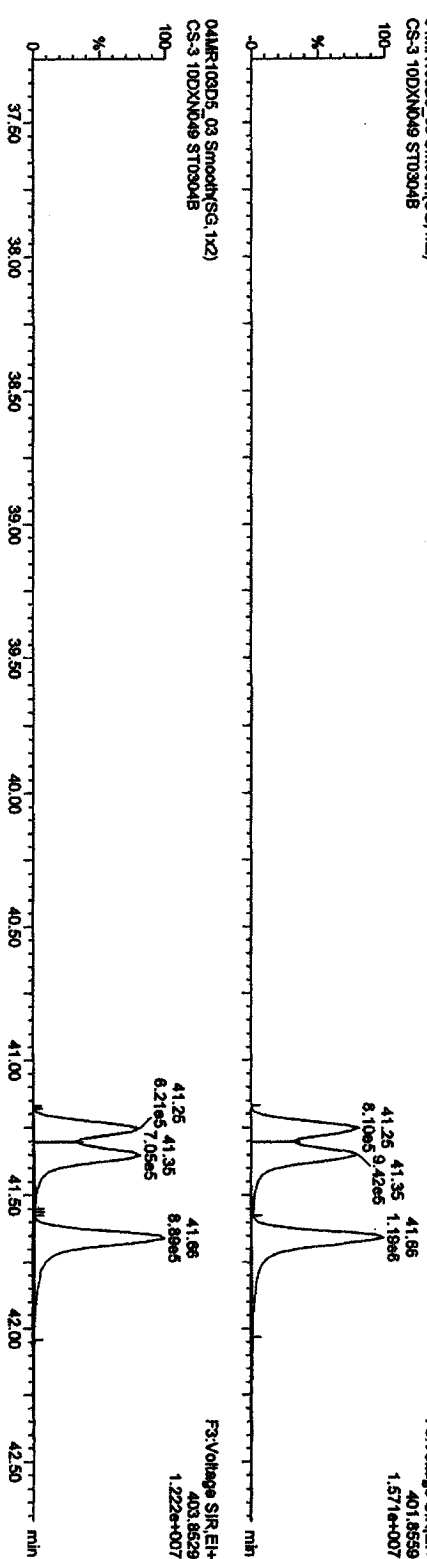
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

HxCDDs



13C-HxCDDs



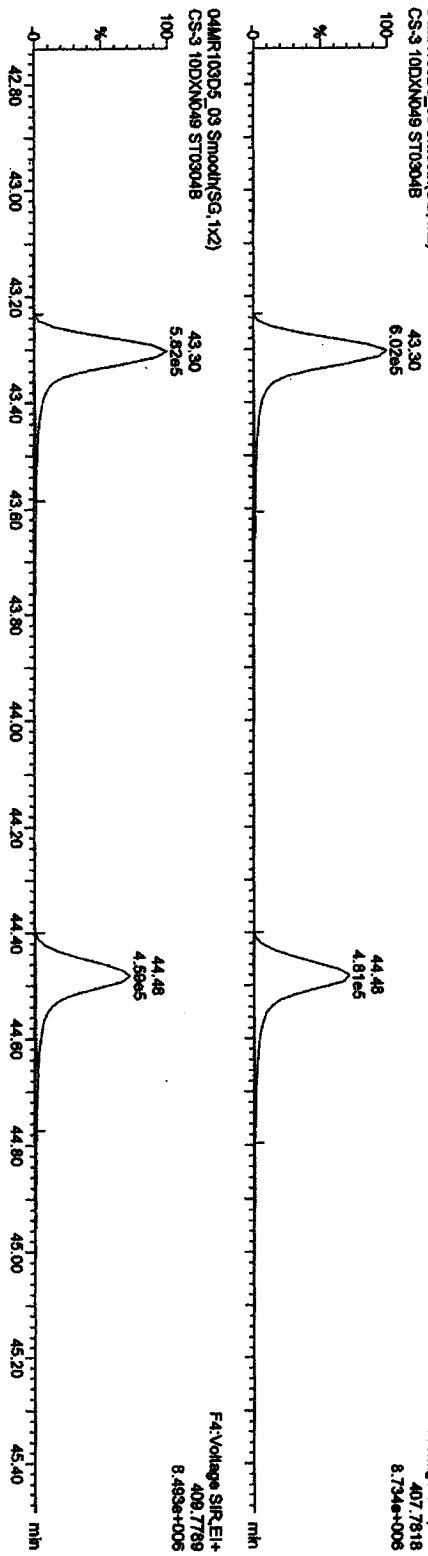
Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\LAN2010\PROVCA030420103D516130CCDF25.qld

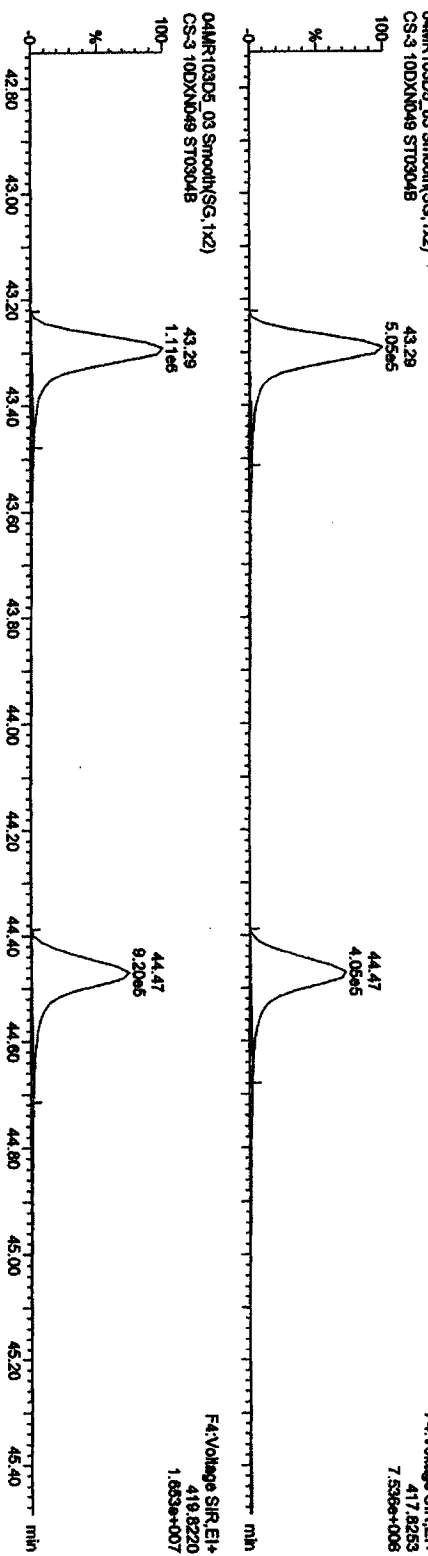
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Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

HPCDFs
04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



¹³C-HPCDFs
04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



Quantity Sample Report MassLynx 4.1

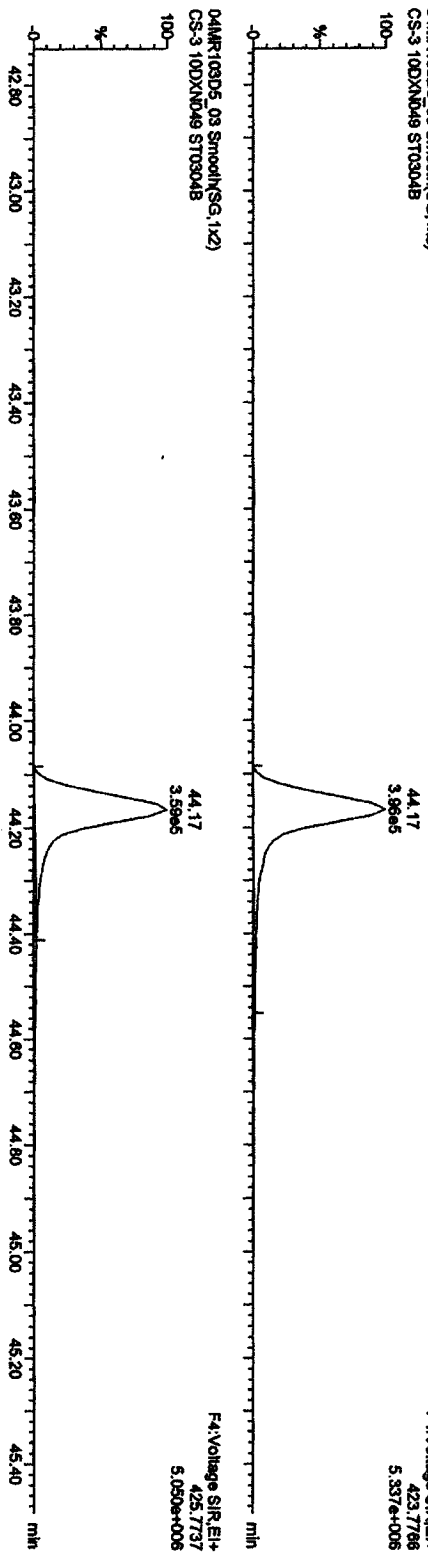
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

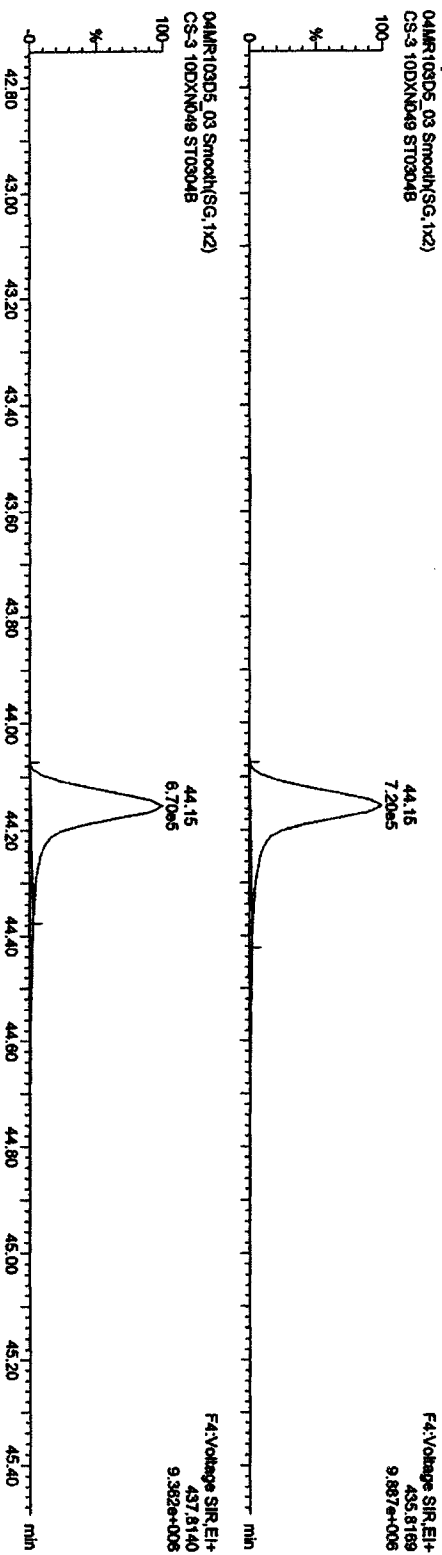
HplcDds

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



13C-HplcDds

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROUNCA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time

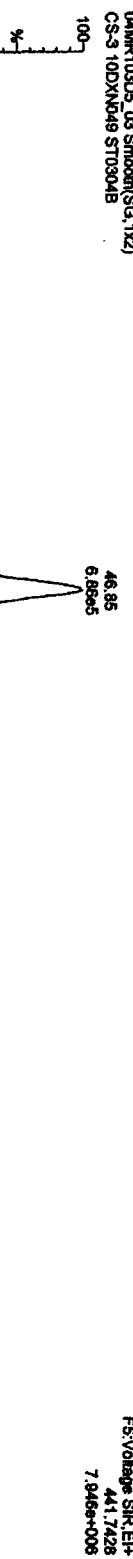
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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OCDFs

04MR103D5_03 Smooth(SG, 1x2)

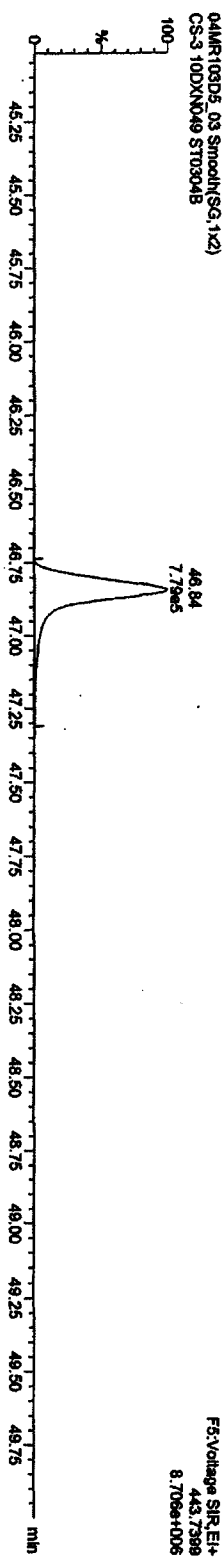
CS-3 10DXN049 ST0304B



OCDFs

04MR103D5_03 Smooth(SG, 1x2)

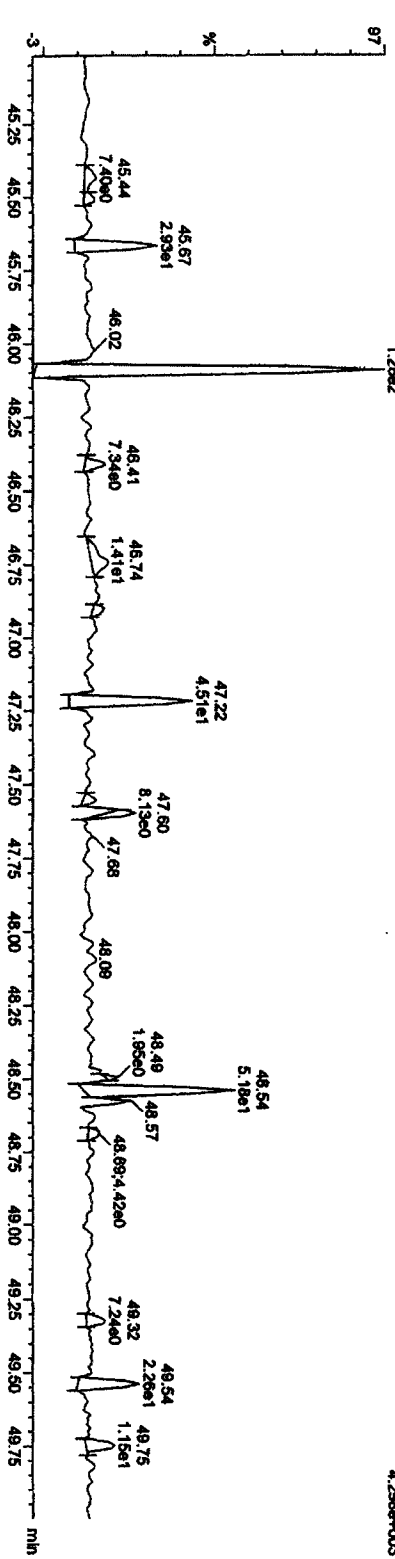
CS-3 10DXN049 ST0304B



OCDF PCDPE

04MR103D5_03 Smooth(SG, 1x2)

CS-3 10DXN049 ST0304B



Quantity Sample Report Masslynx 4.1

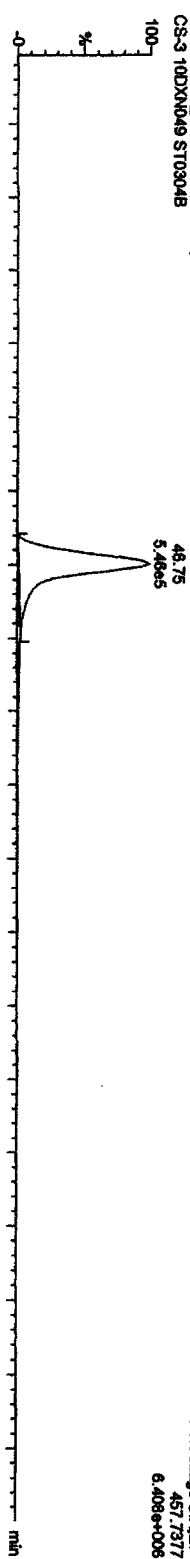
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

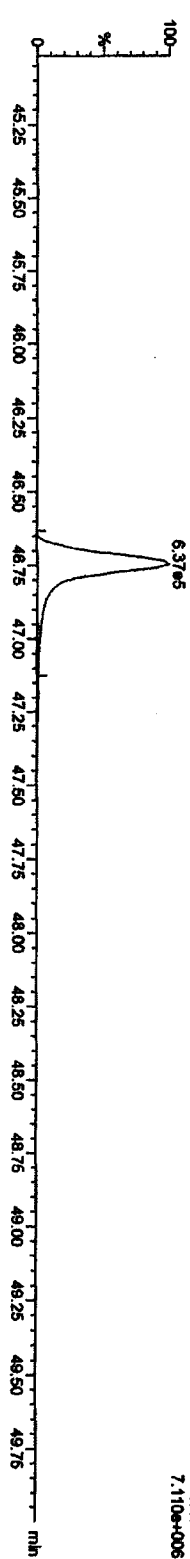
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OCDD

04MR103D5_03 Smooth(SG, 1x2)
CS-3-10DXN049 ST0304B

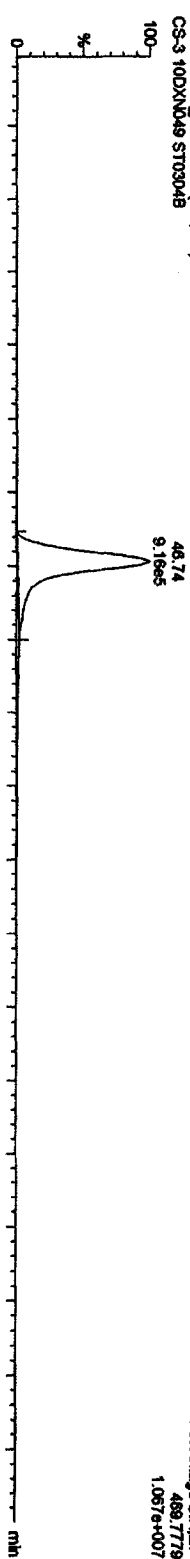


04MR103D5_03 Smooth(SG, 1x2)
CS-3-10DXN049 ST0304B

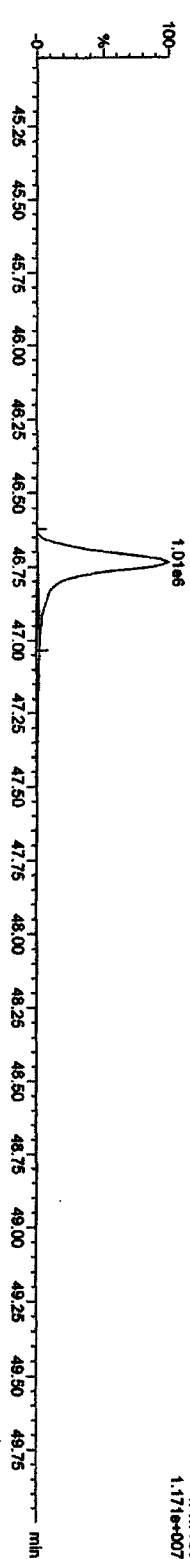


13C-OCDD

04MR103D5_03 Smooth(SG, 1x2)
CS-3-10DXN049 ST0304B



04MR103D5_03 Smooth(SG, 1x2)
CS-3-10DXN049 ST0304B

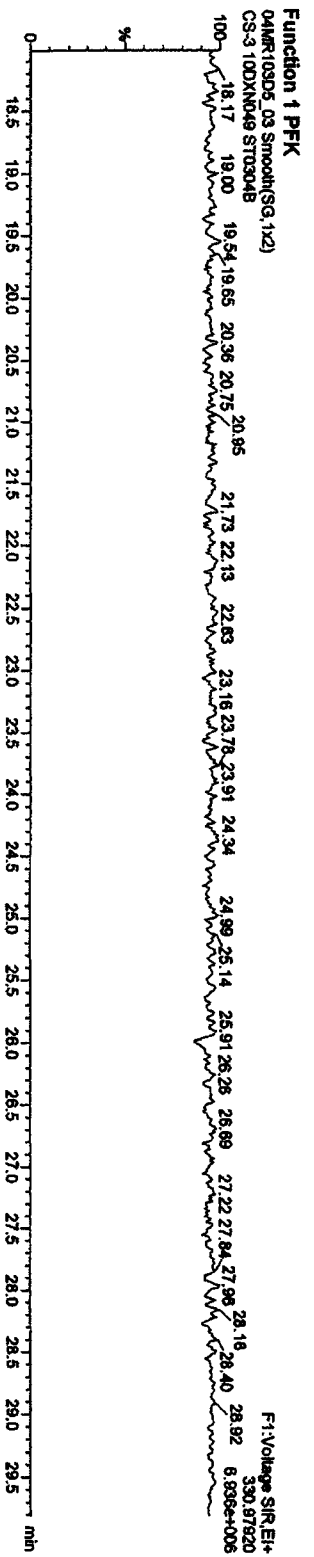
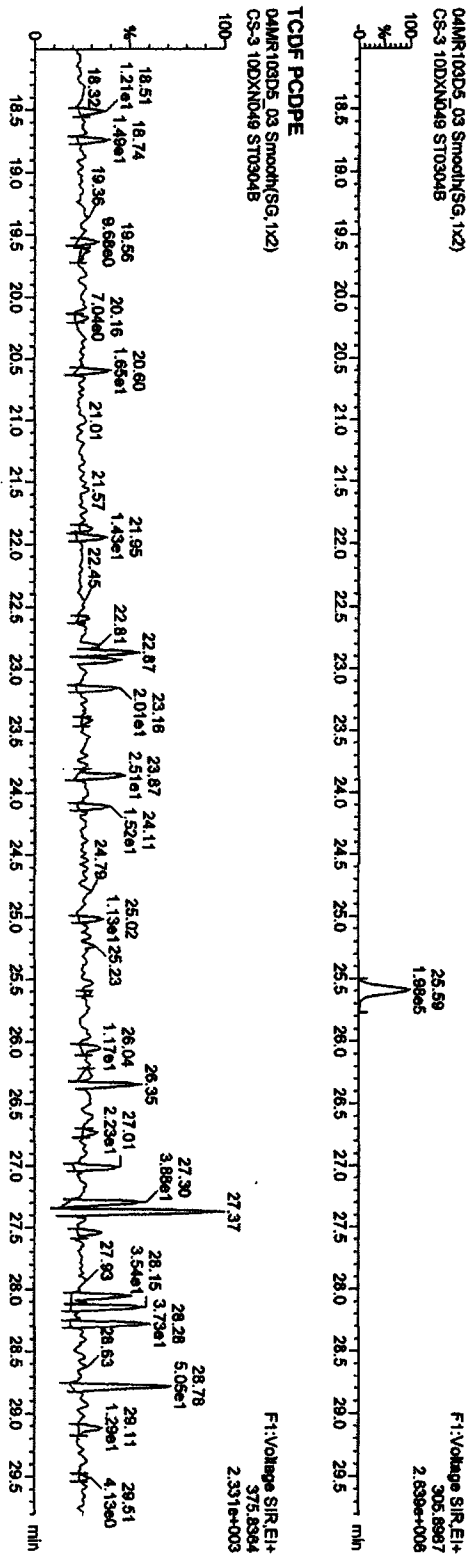
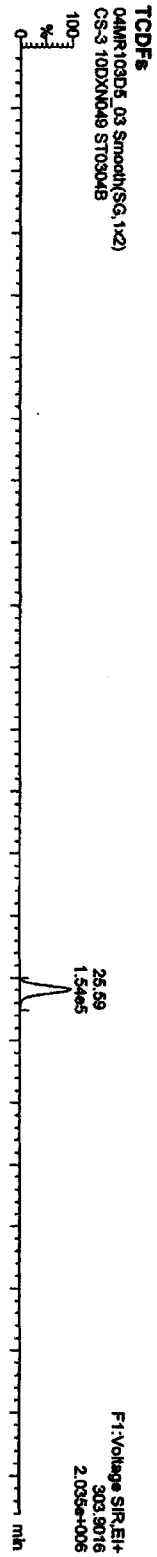


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\CA030420103D516130CDDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

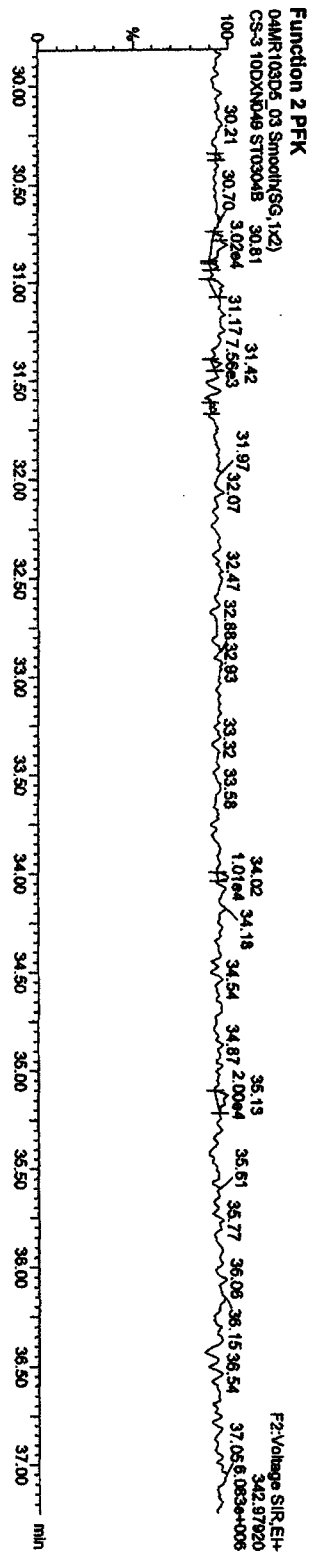
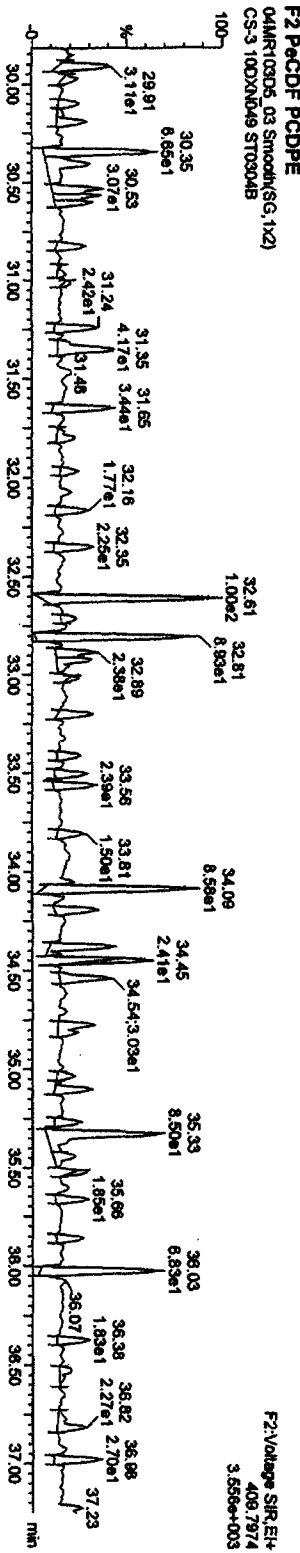
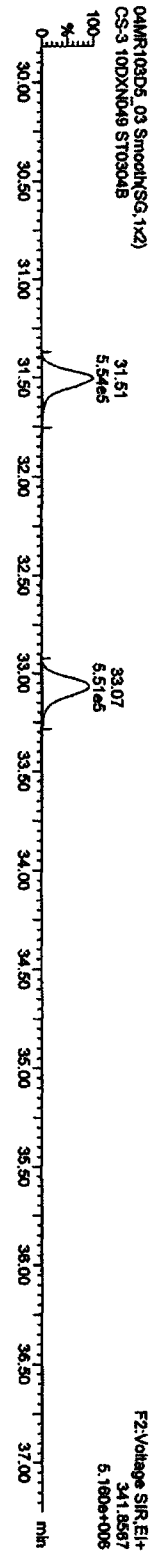
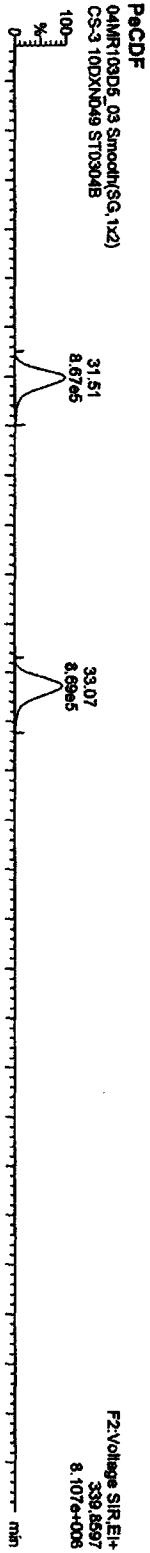


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010\PRONCA030420103D516130CDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03 Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049



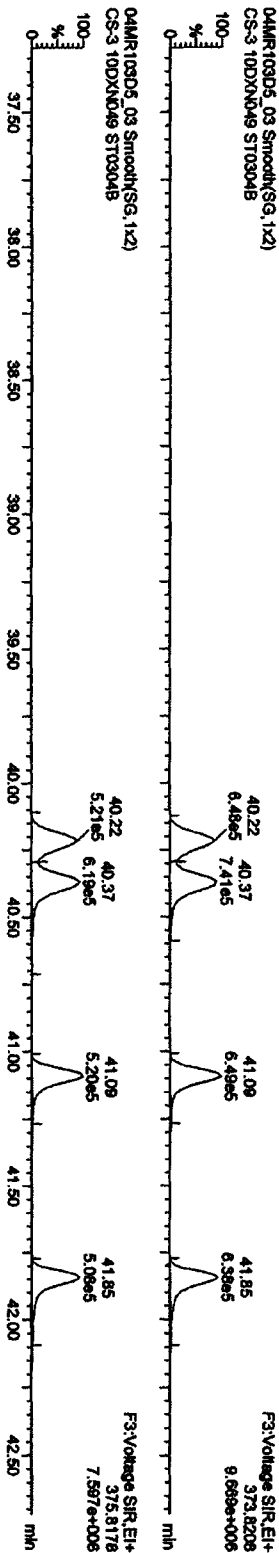
Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA030420103D516130CDF25.d

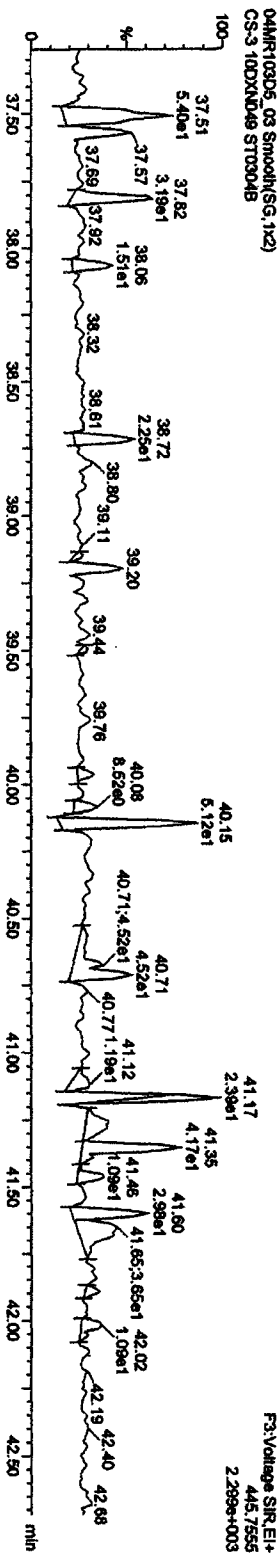
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
 Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

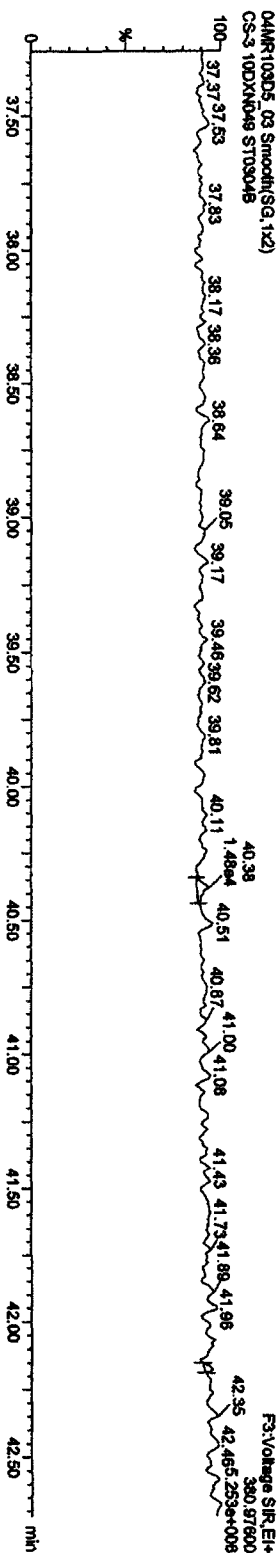
HXCDFs



HXCDF PCDFE



Function 3 PFK

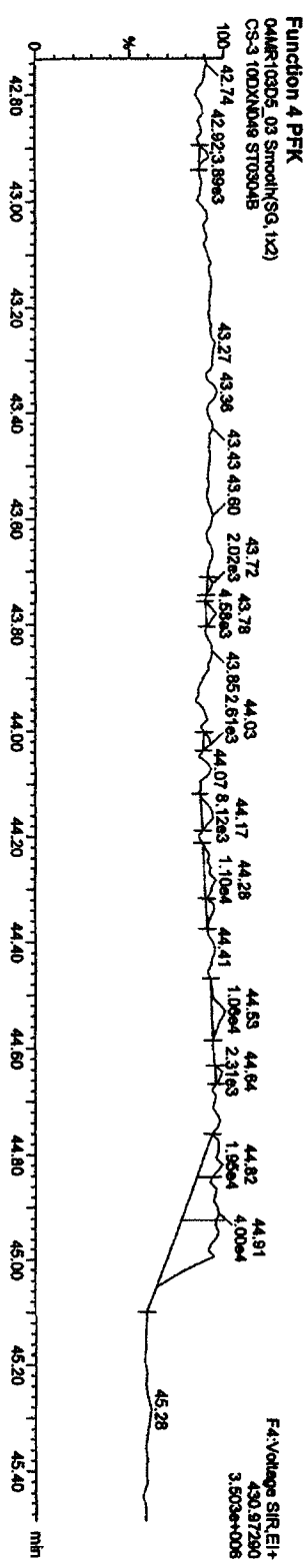
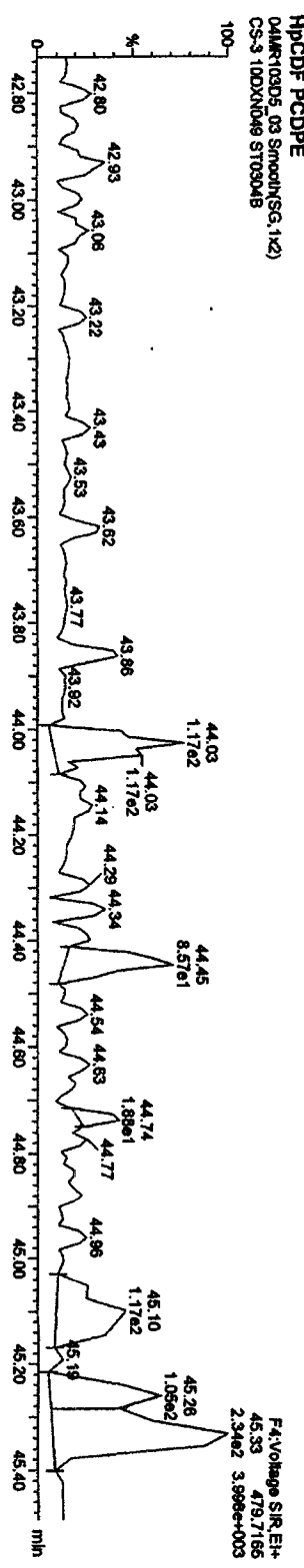
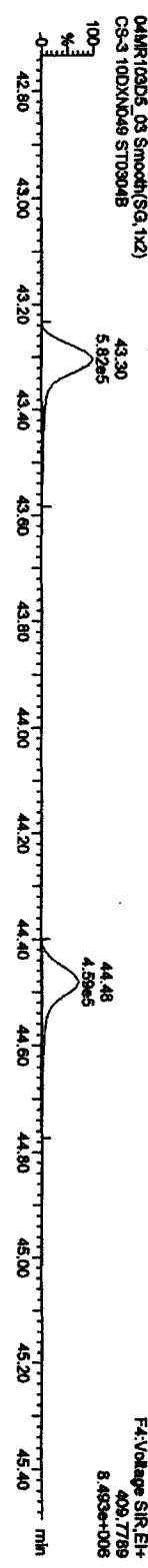
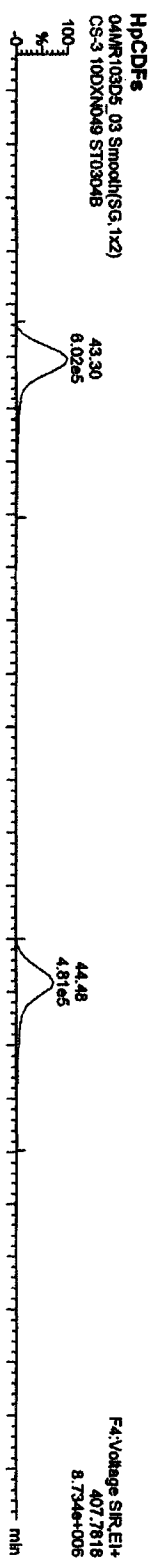


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROLICAO30420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
 Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROL\CA030420103D51613OCDF25.d

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

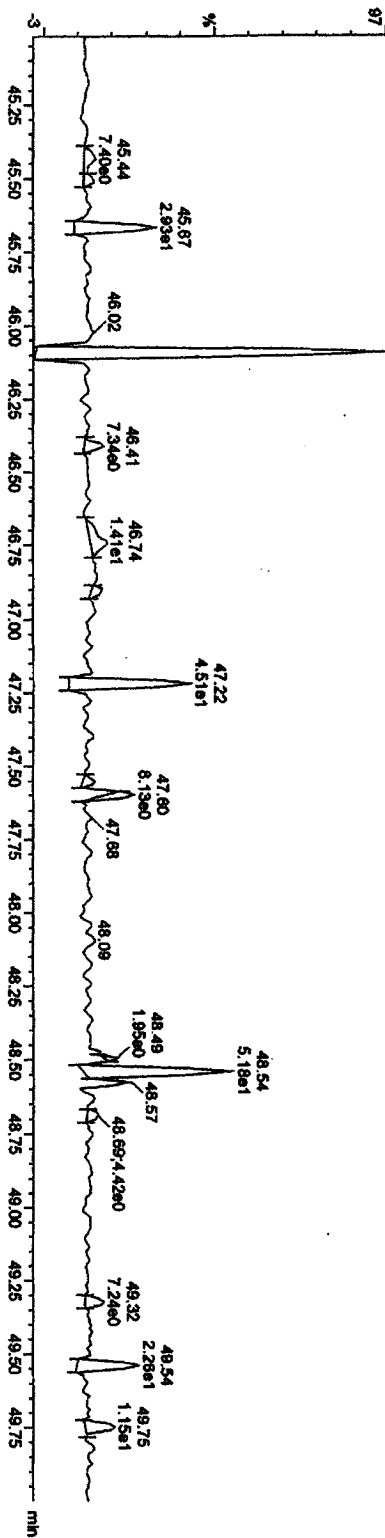
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

OCDF PCDPE

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B

48.09
1.29e2

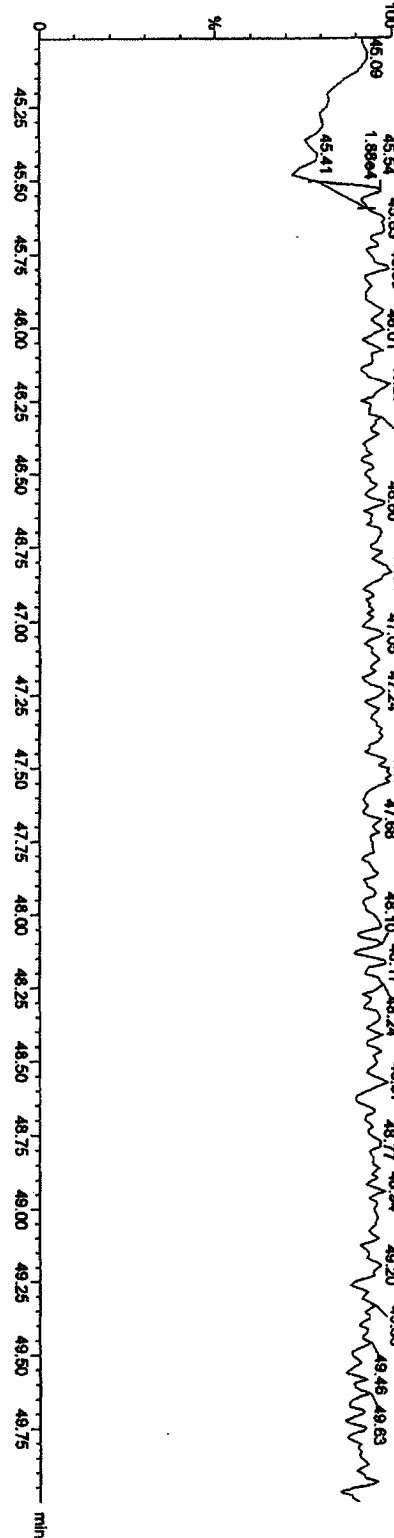
F5:Voltage S1R,E1+
513.87750
4.298e+003



Function 5 PPK

04MR103D5_03 Smooth(SG, 1x2)
CS-3 10DXN049 ST0304B

F5:Voltage S1R,E1+
442.97280
3.211e+006



Quantity Sample Report MassLynx 4.1

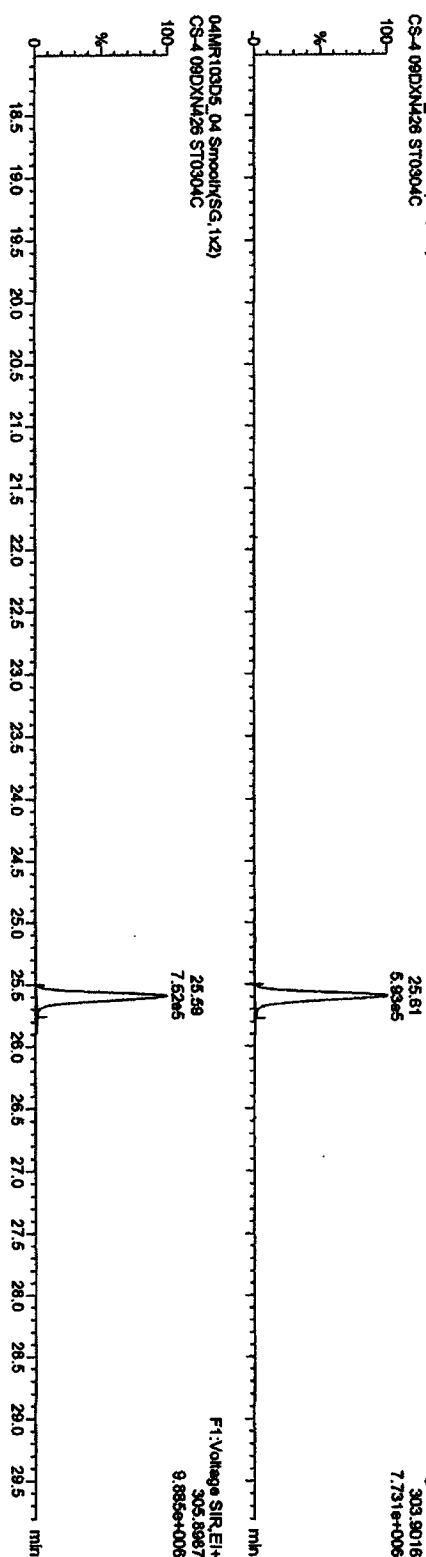
Dataset: C:\MassLynx\LAN2010\PRONICA030420103D516130CDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

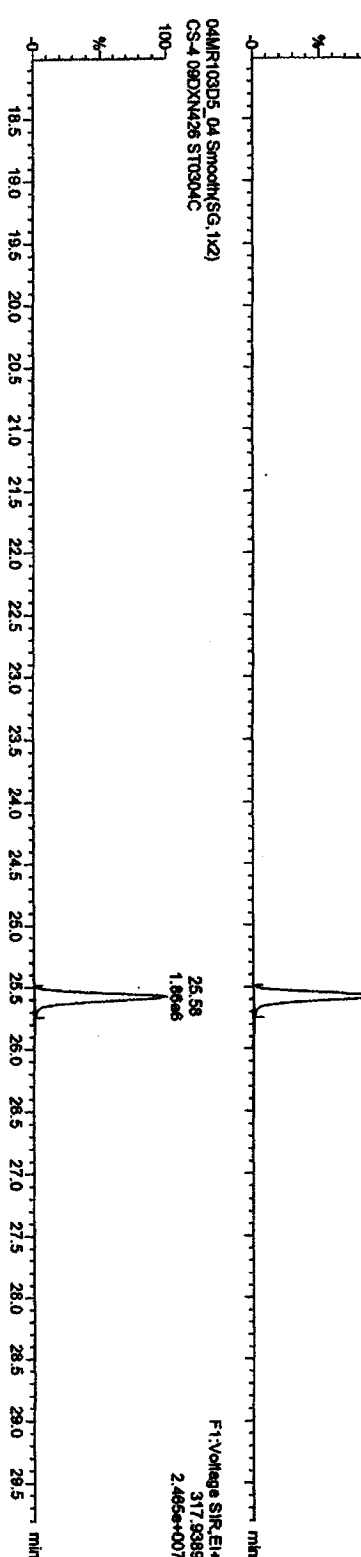
TCDFs

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



13C-TCDF

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C

F1:Voltage SIR_EI+
317.9389
2.485e+007

Quantity Sample Report MassLynx 4.1

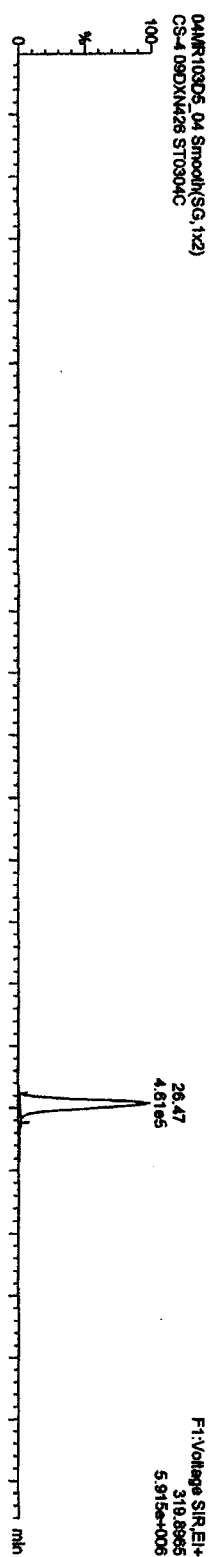
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

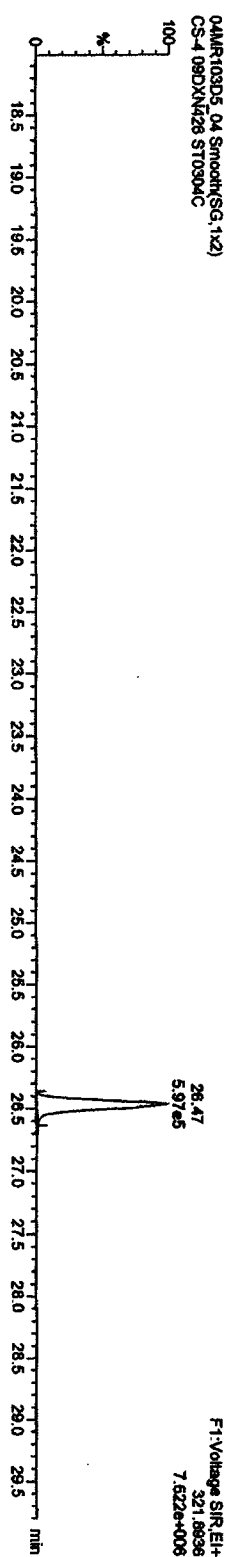
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN428

TCDDs

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN428 ST0304C

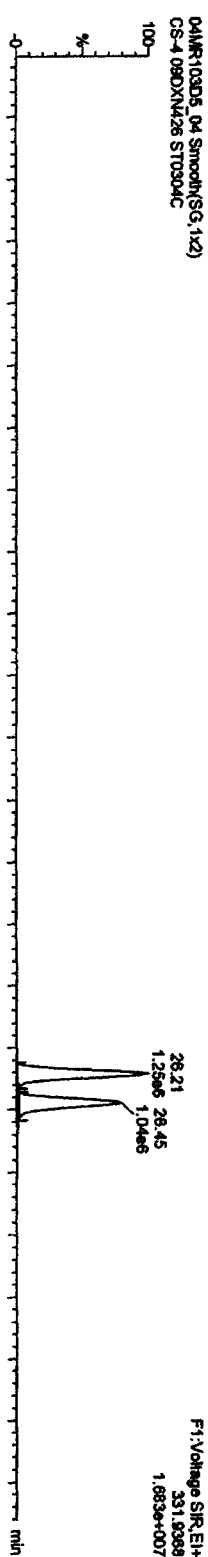


04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN428 ST0304C

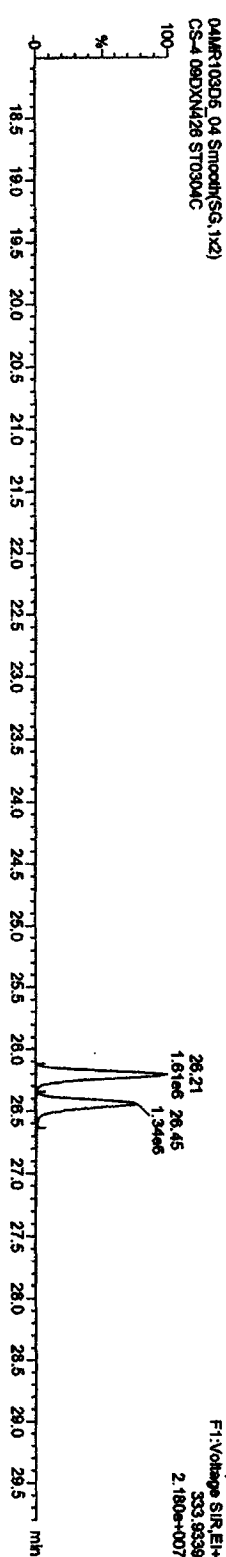


13C-TCDDs

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN428 ST0304C



04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN428 ST0304C

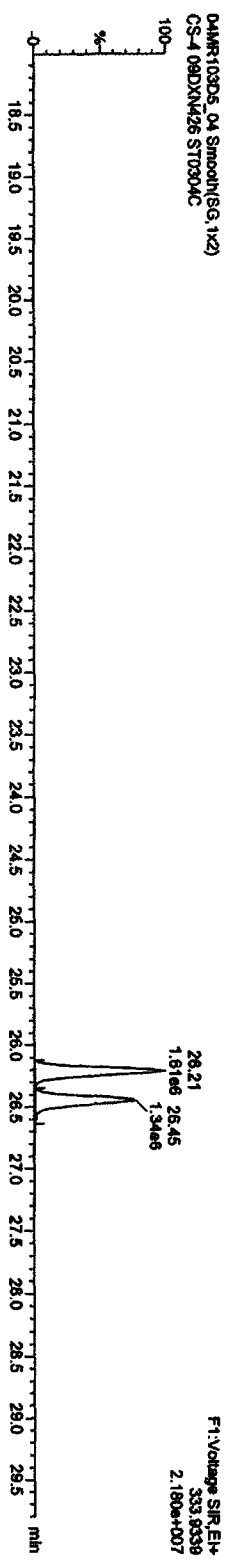


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJICA030420103D516130C0DF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426



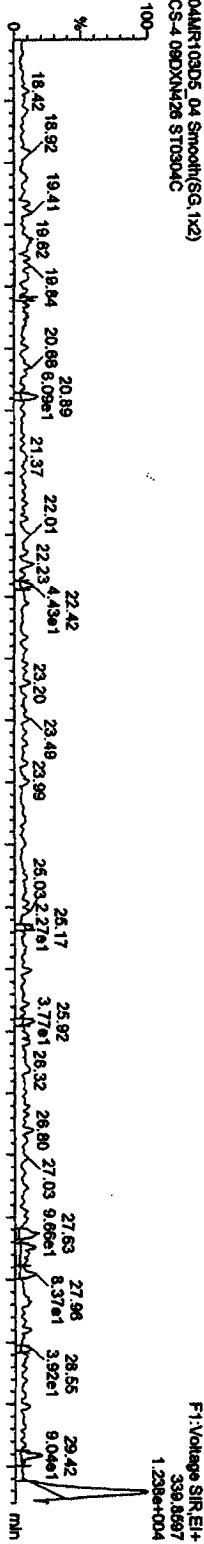
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\AN2010\PRONICA030420103D516130CDF25.qid

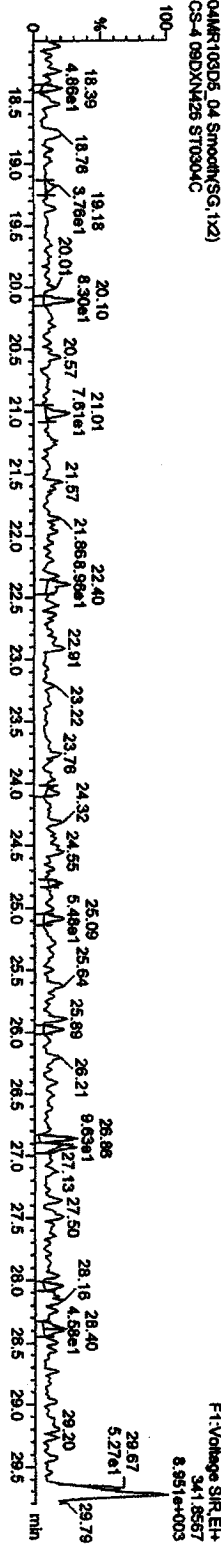
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

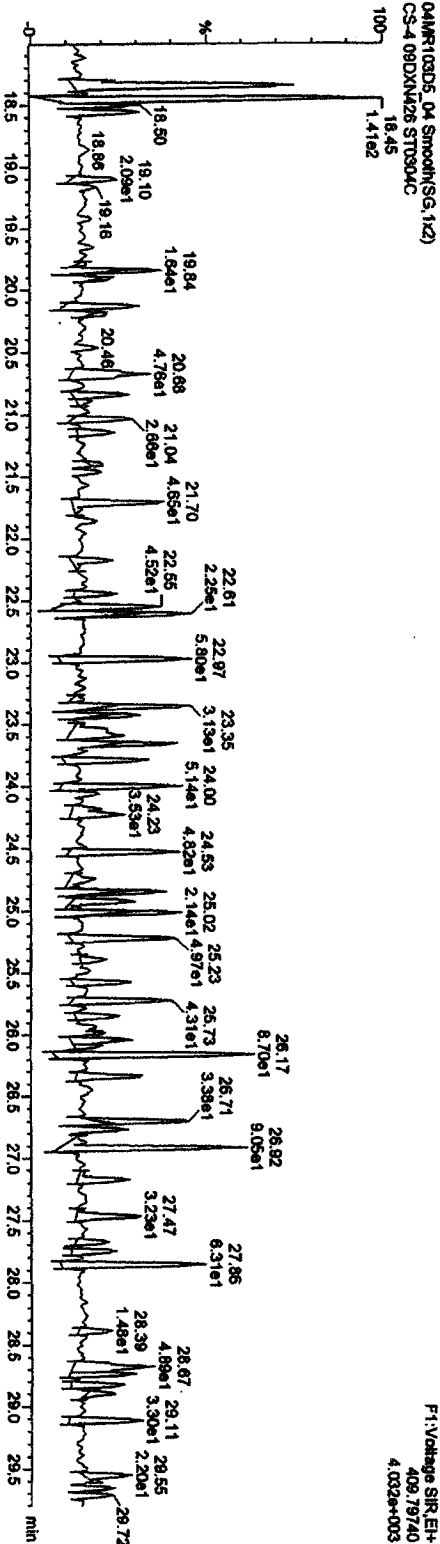
F1 PCDPFs



04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



F1 PCDPF PCDPE



04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C

F1:Voltage SIR_EH+
409.79740
4.032e+003

Quantity Sample Report MassLynx 4.1

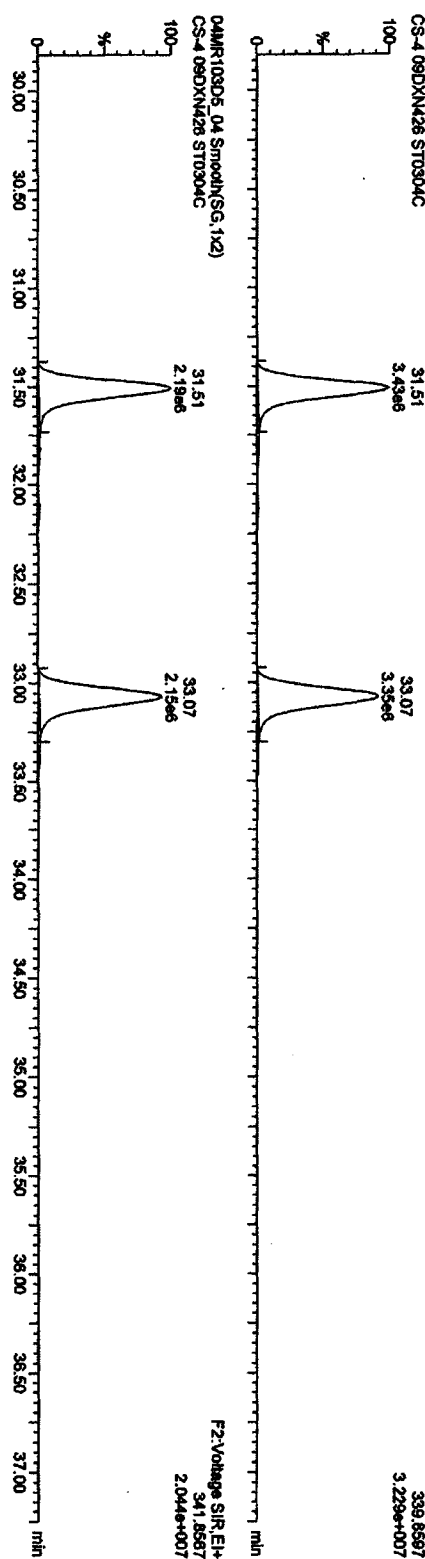
Dataset: C:\MassLynx\UAN2010\PRONCA030420103D516130CDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

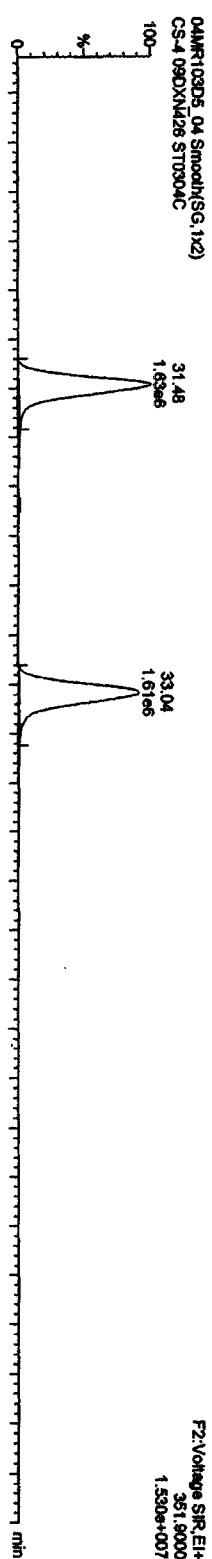
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

Peaks

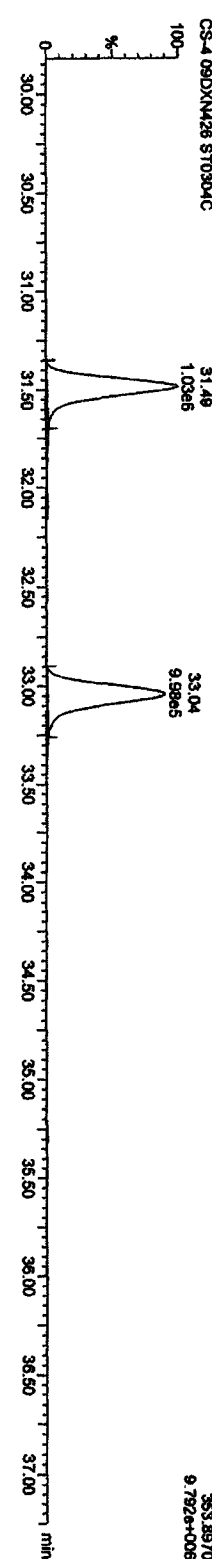
04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C



13C-Peaks
04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C



04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C



Quantity Sample Report MassLynx 4.1

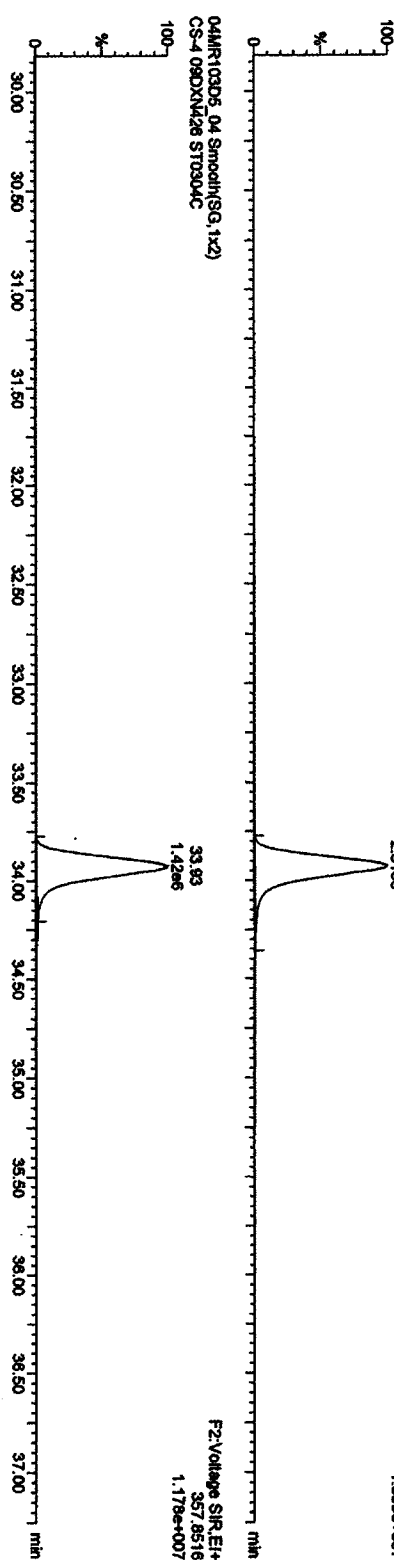
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

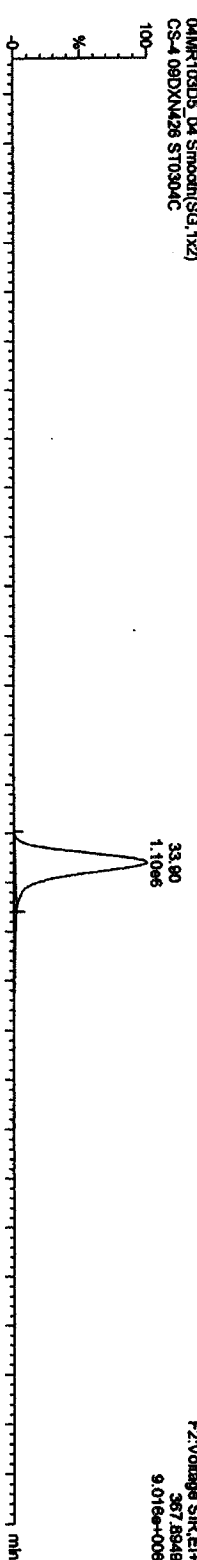
Peaks

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C

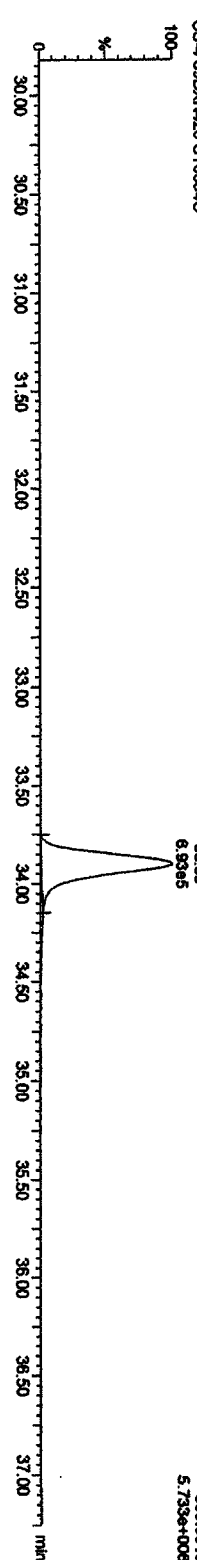


13C-Peaks

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



Quantity Sample Report MassLynx 4.1

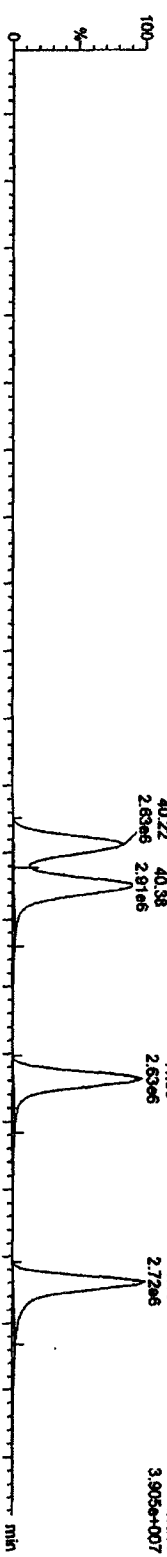
Dataset: C:\MassLynx\JAN2010\PROUCA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

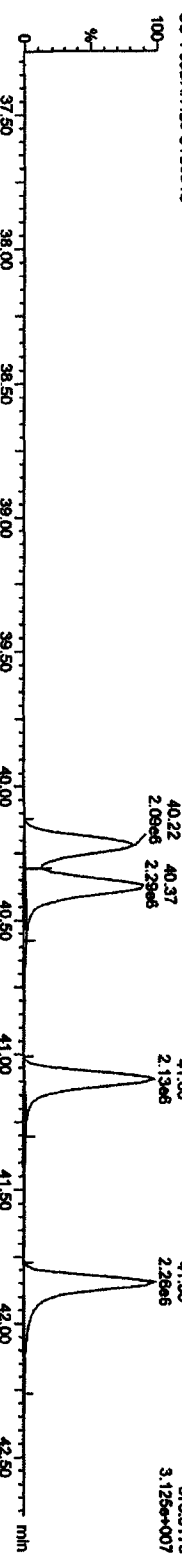
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

HxCDFs

04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C

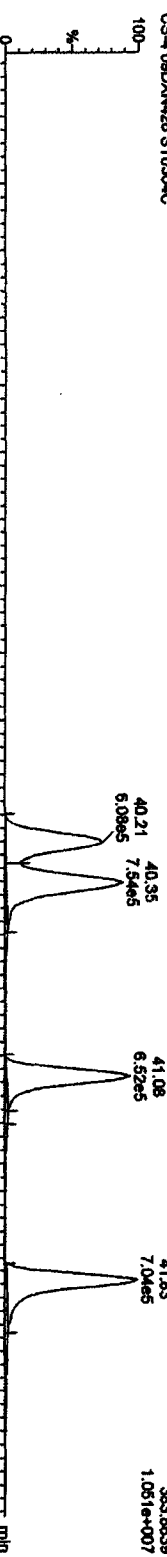


04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C

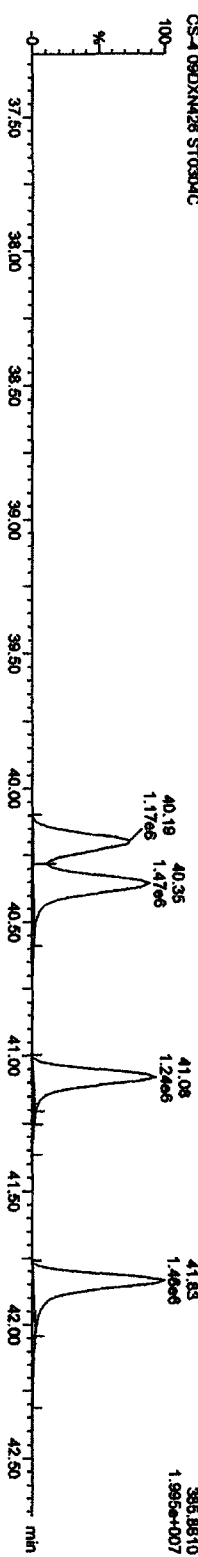


13C-HxCDFs

04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C



04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C



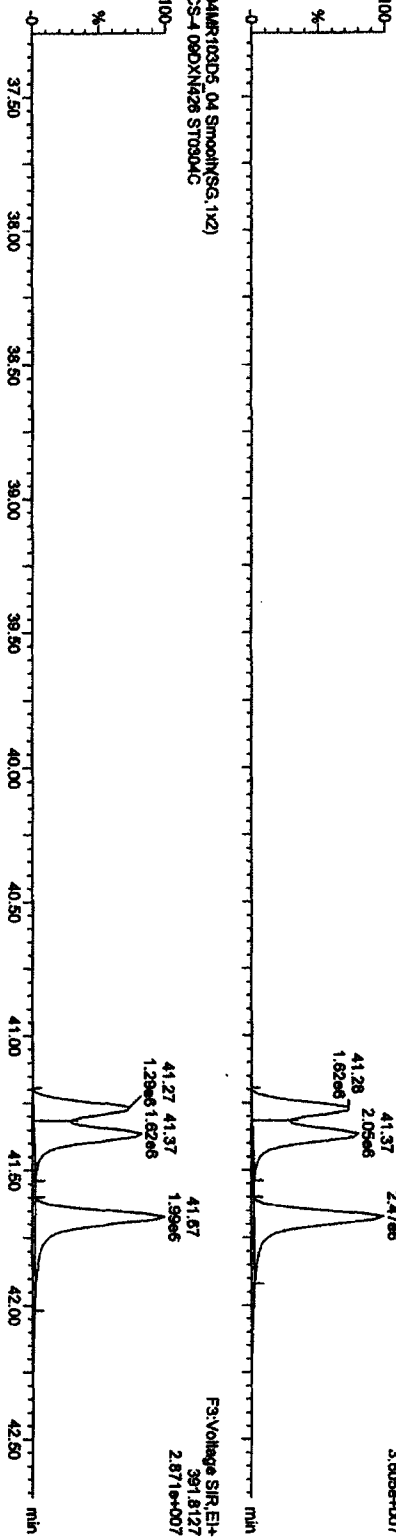
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONCA030420103D516130CCDF25.qld

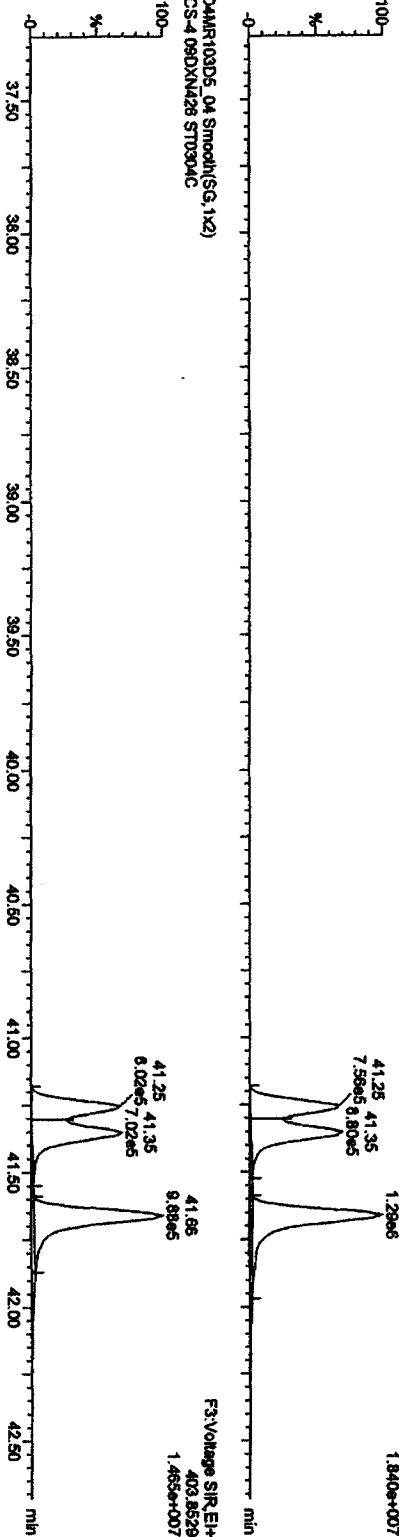
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

HxCDDs
04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C



13C-HxCDDs
04MR103D5_04 Smooth(SG, 1x2)
CS-4 09DXN426 ST0304C



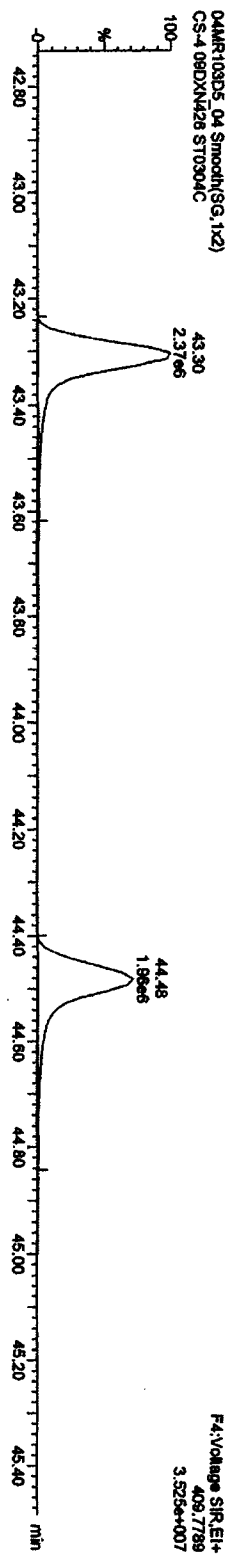
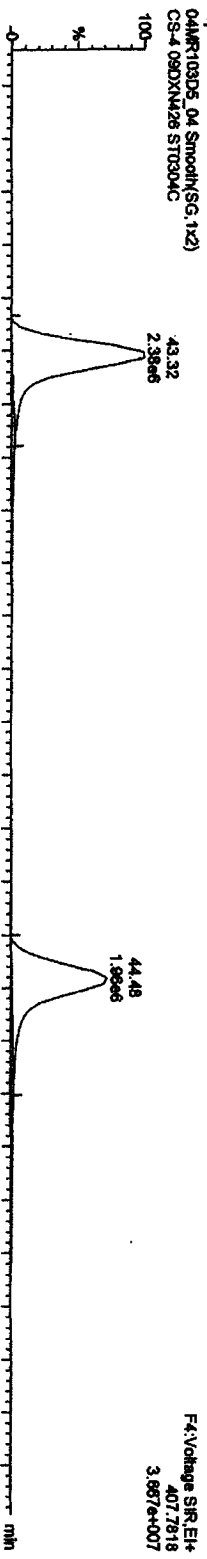
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ\CA0304\20103D516130CDF25.qld

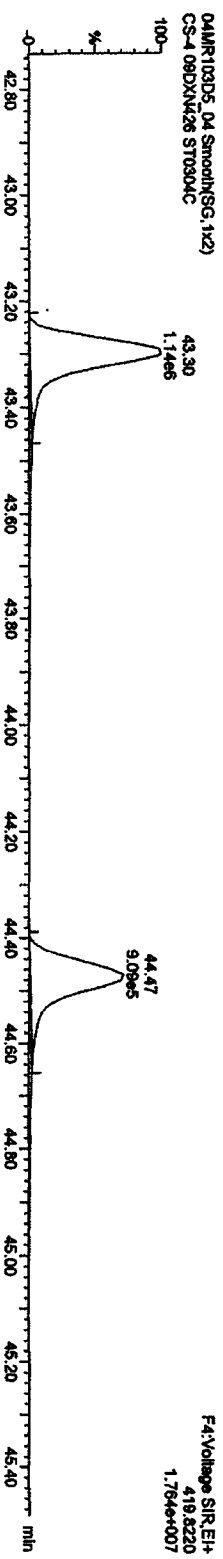
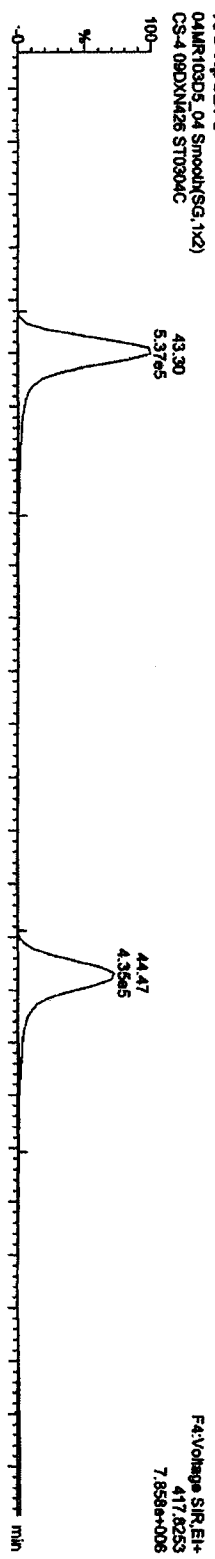
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXM426

HPCDFs



13C-HPCDFs



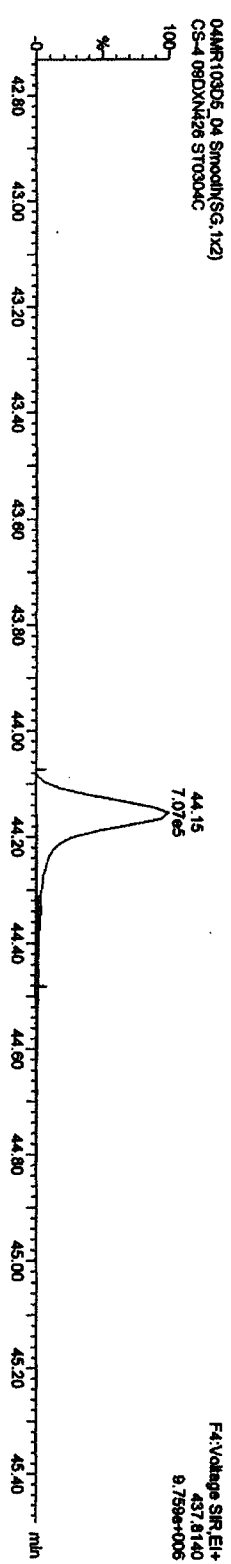
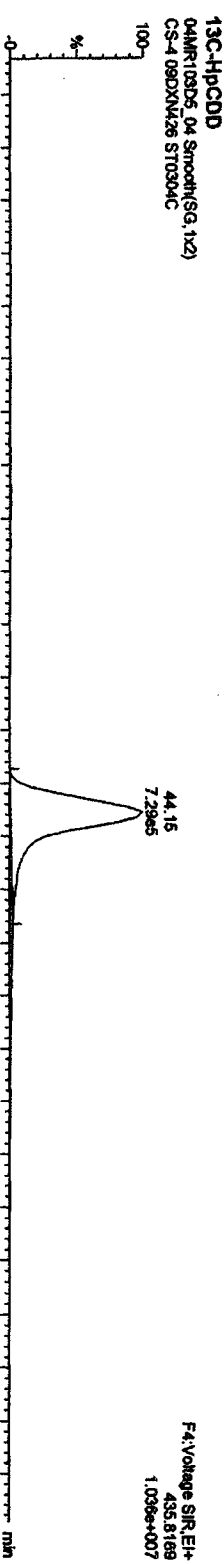
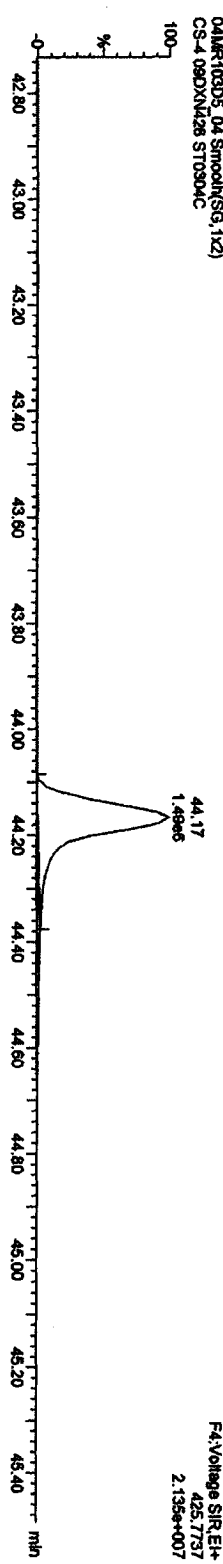
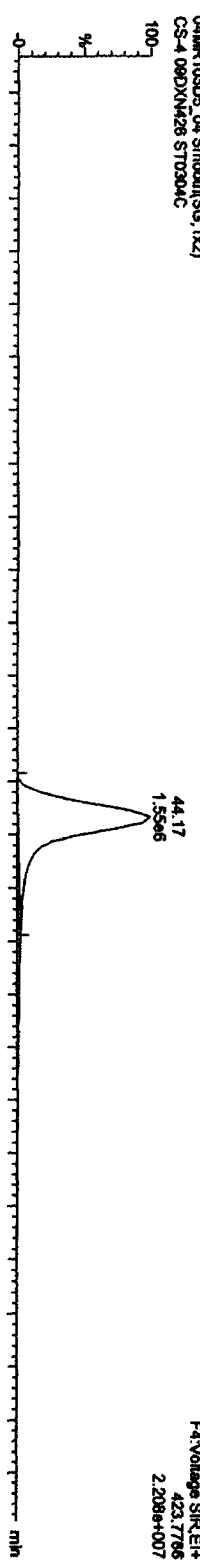
Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXM426

HPCDDs



Quantity Sample Report MassLynx 4.1

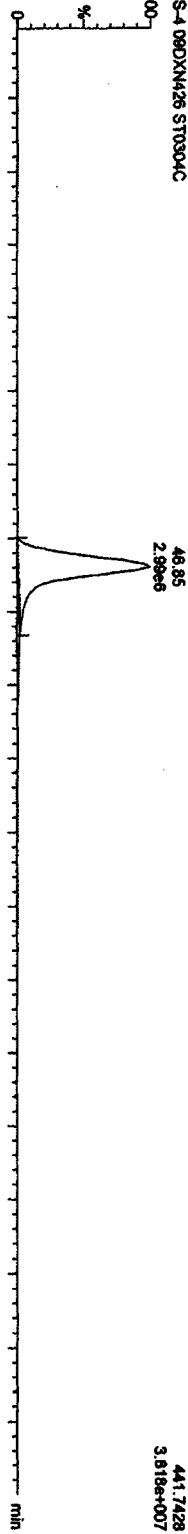
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

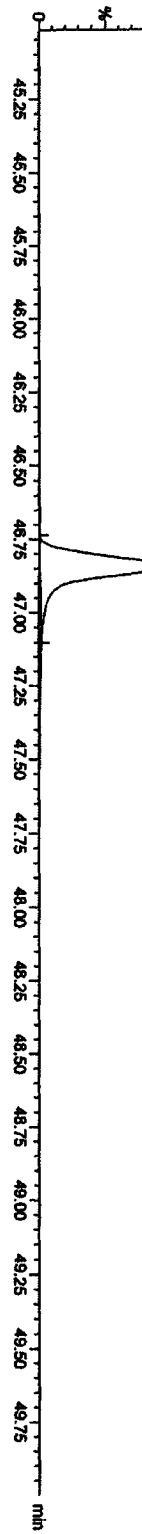
OCDFs

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



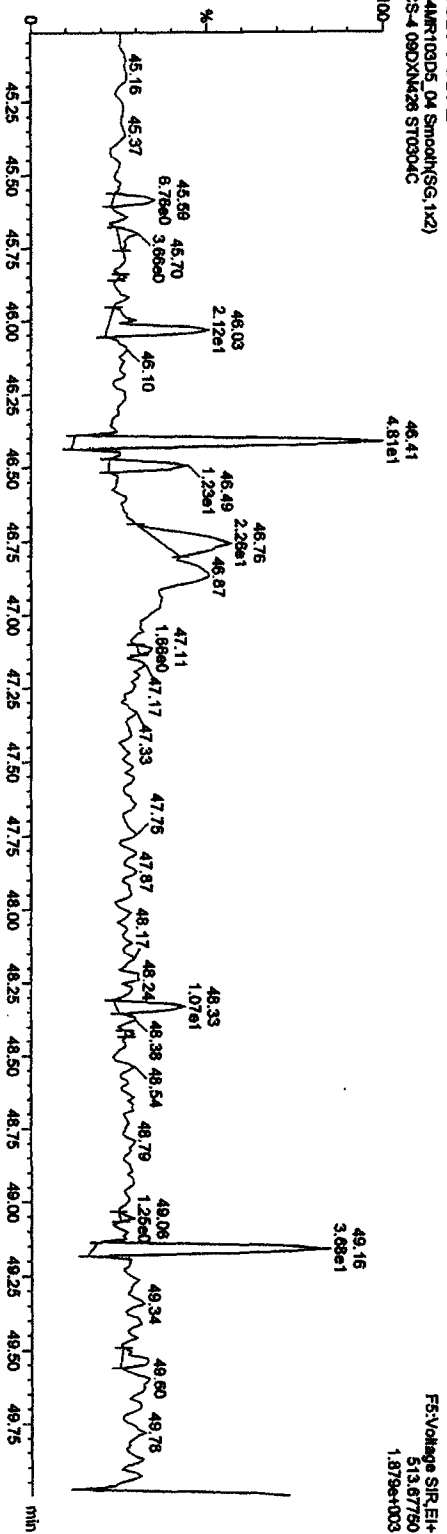
OCDFs

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



OCDFs

04MR103D5_04 Smooth(SG,1x2)
CS-4 09DXN426 ST0304C



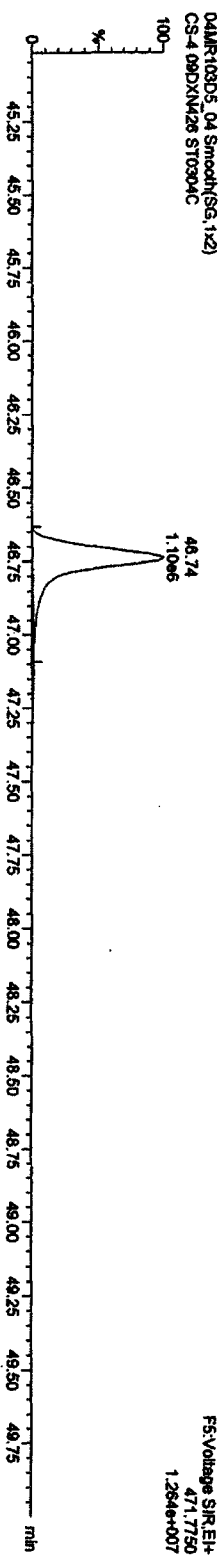
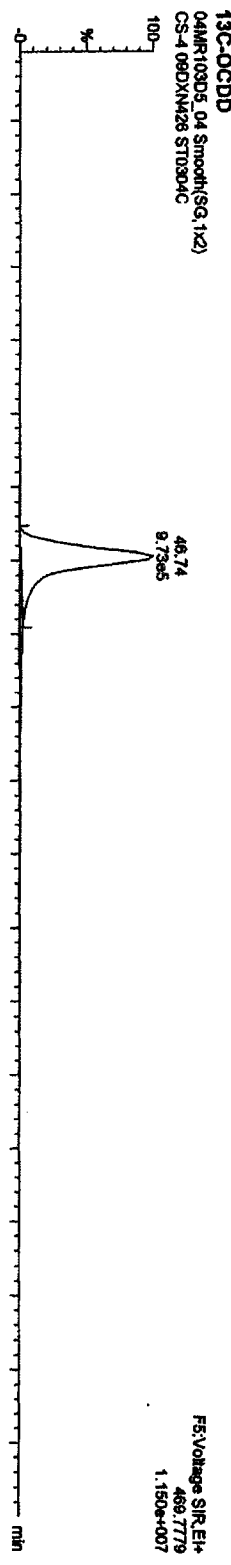
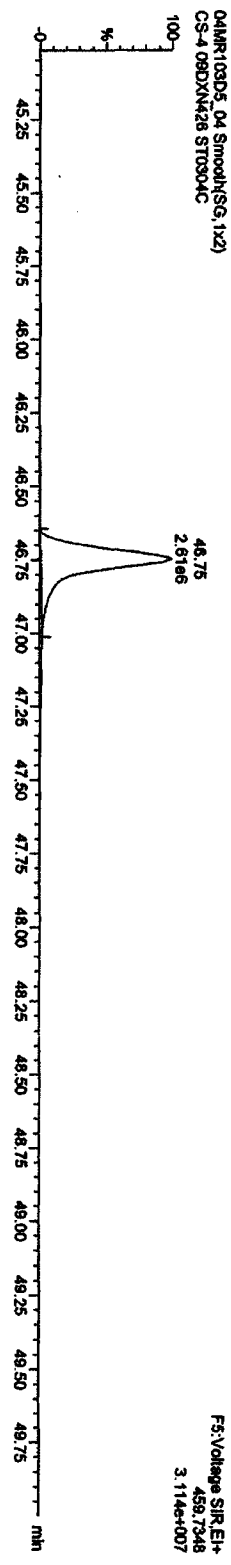
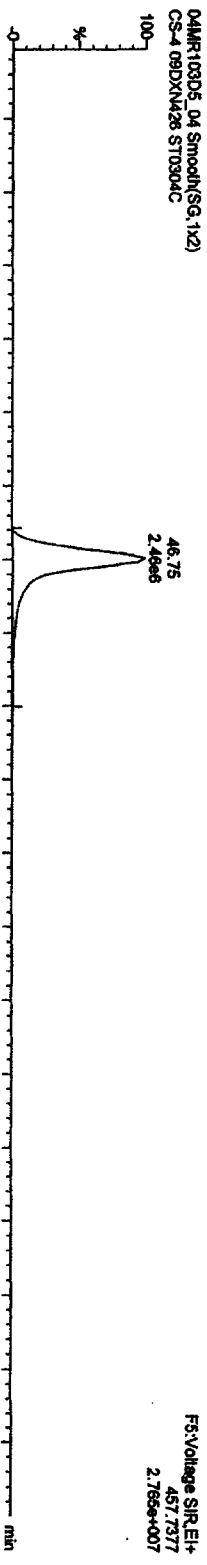
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LANZ010\PROJ\CA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXNA26

OCDD

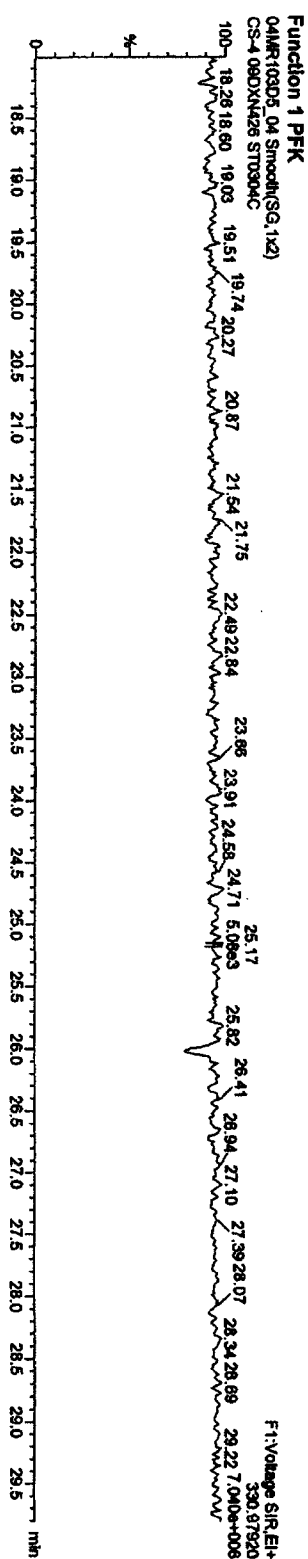
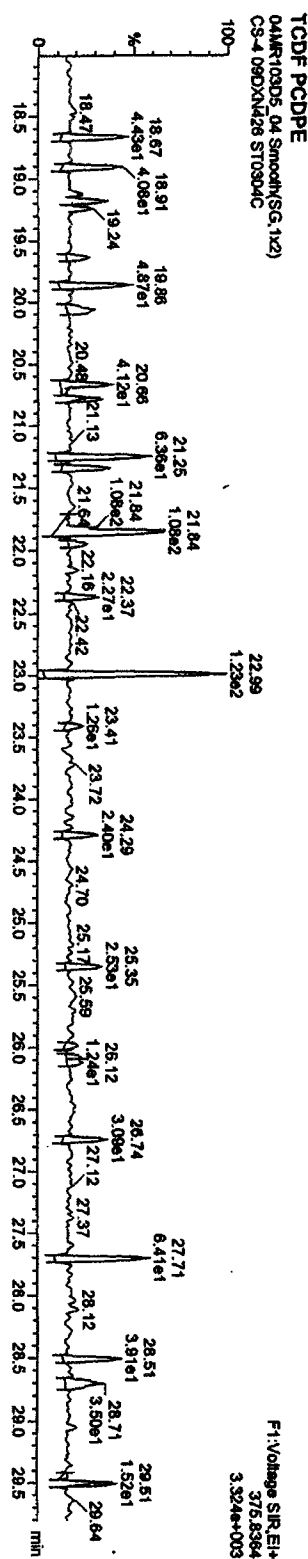
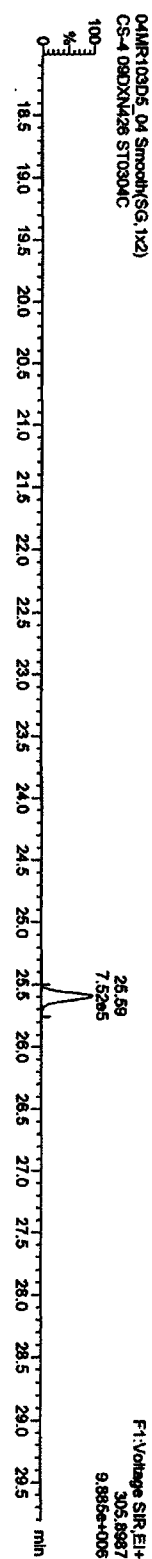
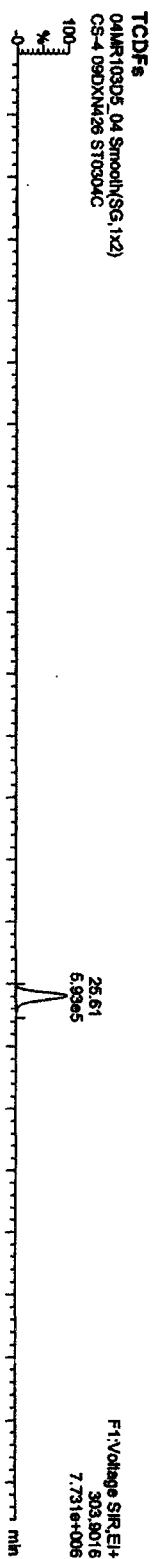


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UNAN2010\PRO\ICAO30420103D516130CDF25.dhl

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

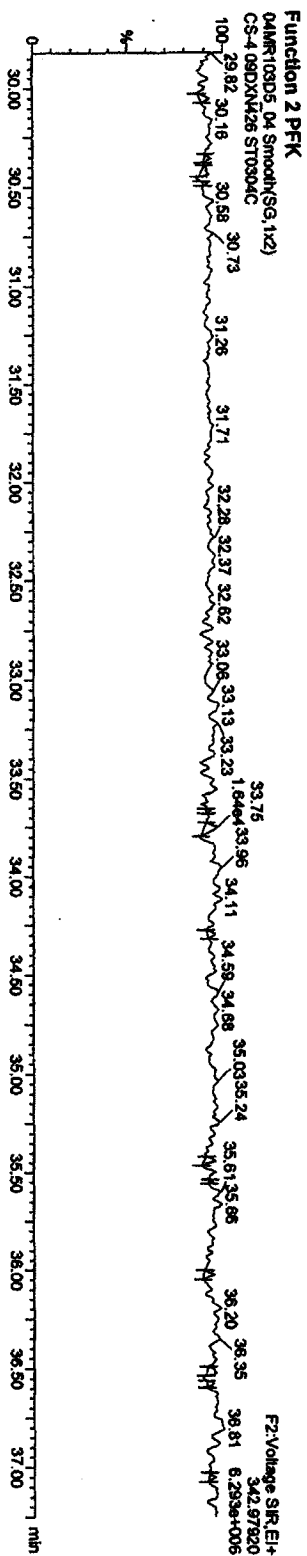
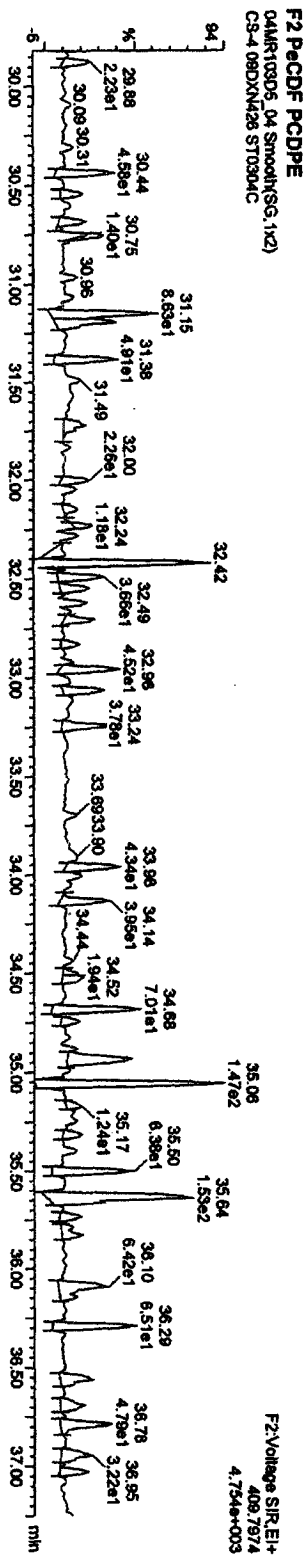
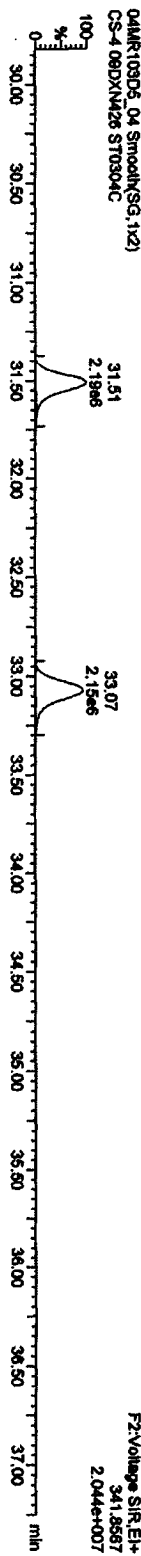
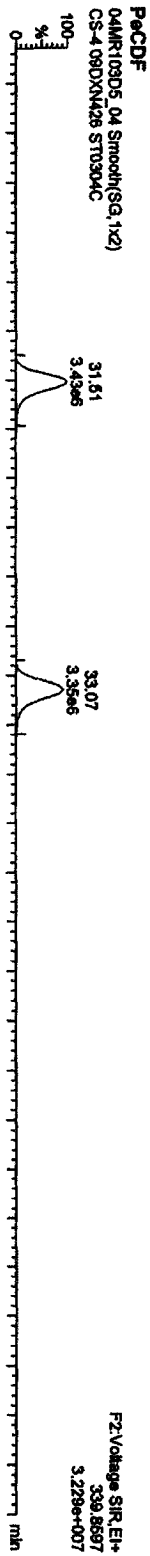


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UNAN2010\PROVICA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426



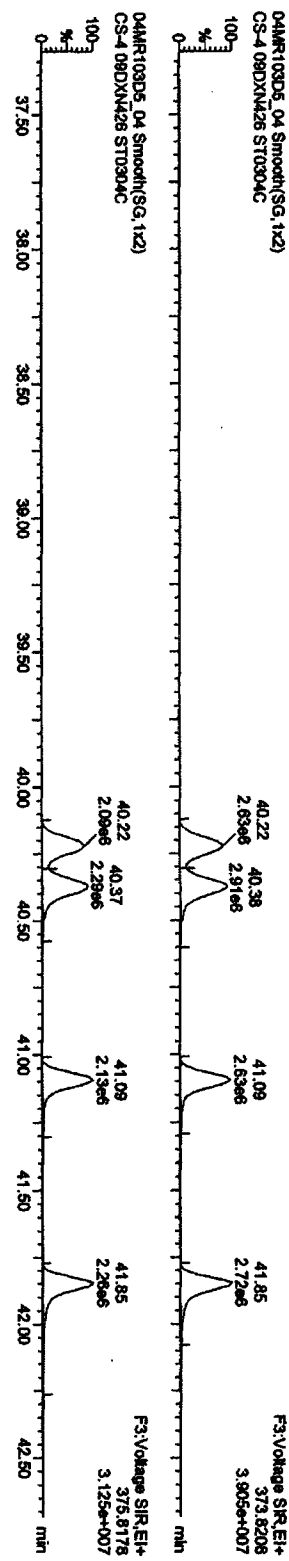
Quantity: Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJCA0304\20103D516130CCDF25.did

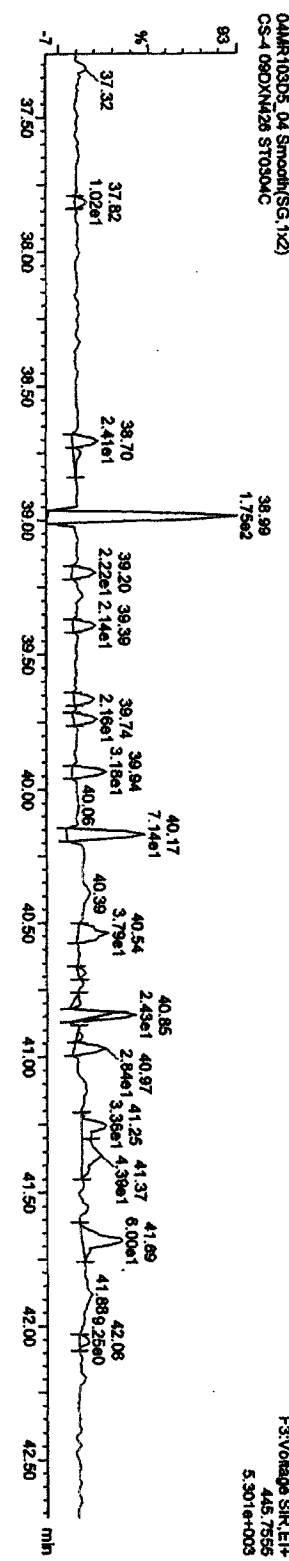
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

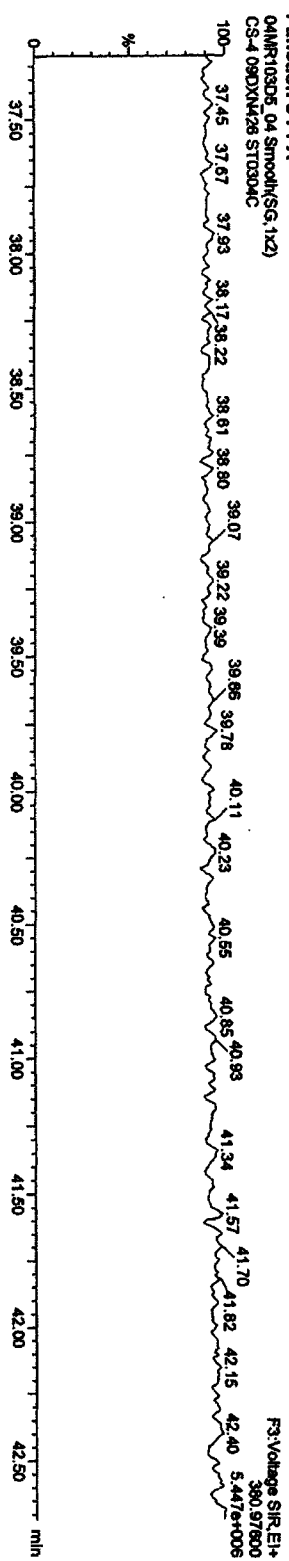
HXCDFs



HXCDF PCDFE



Function 3 PFK

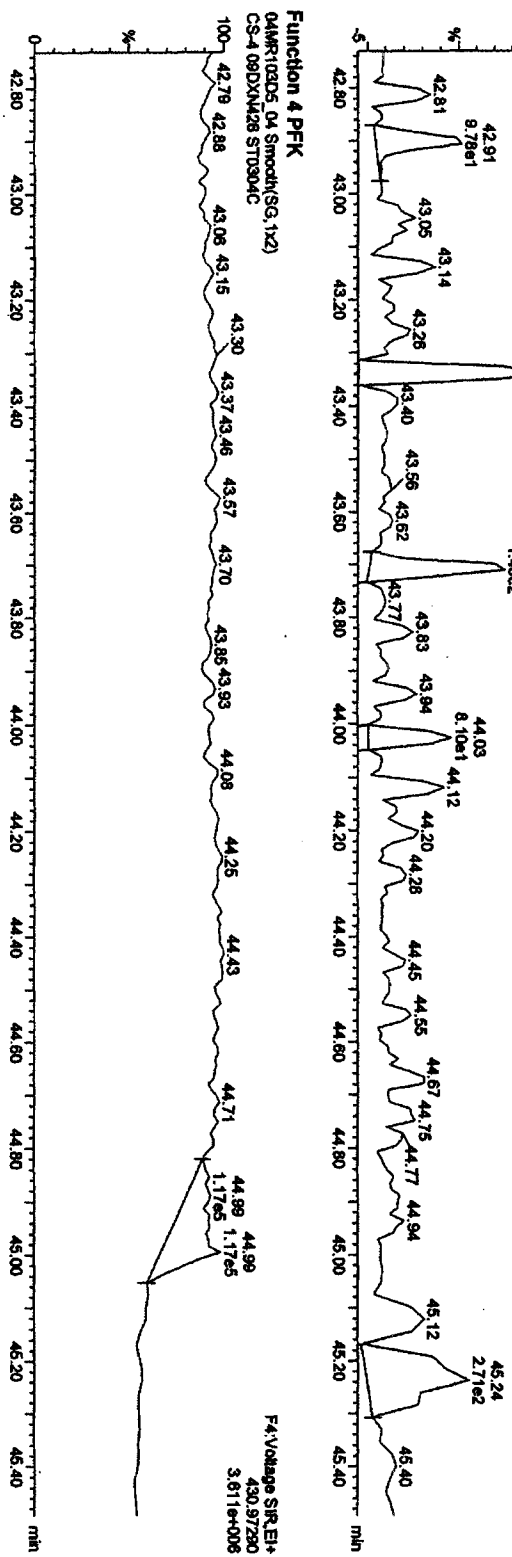
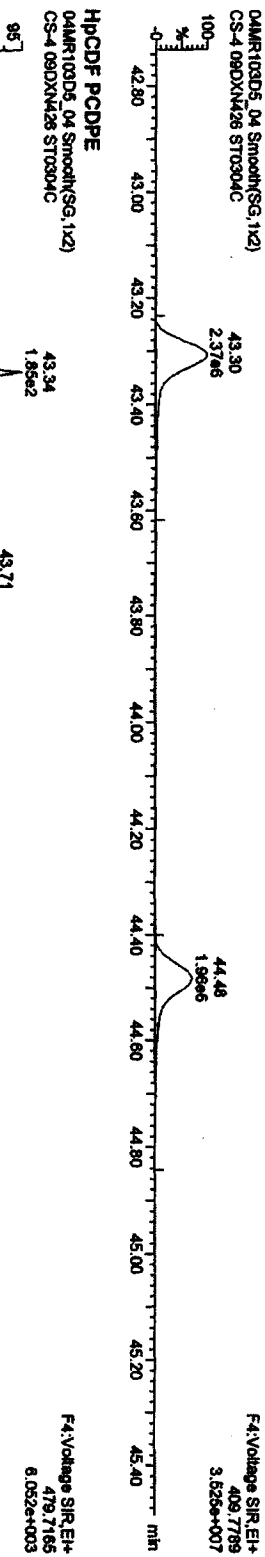
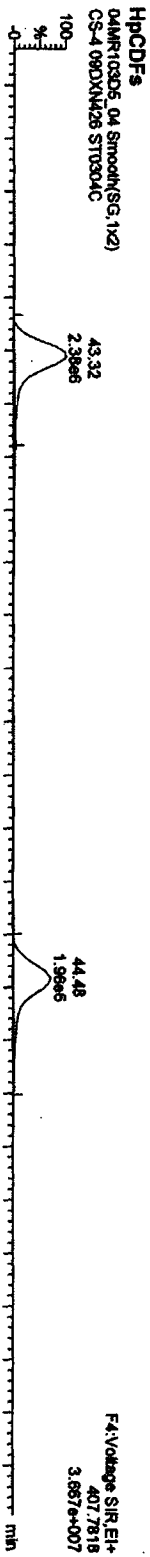


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UNAN2010\PROVICA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4-09DXN426

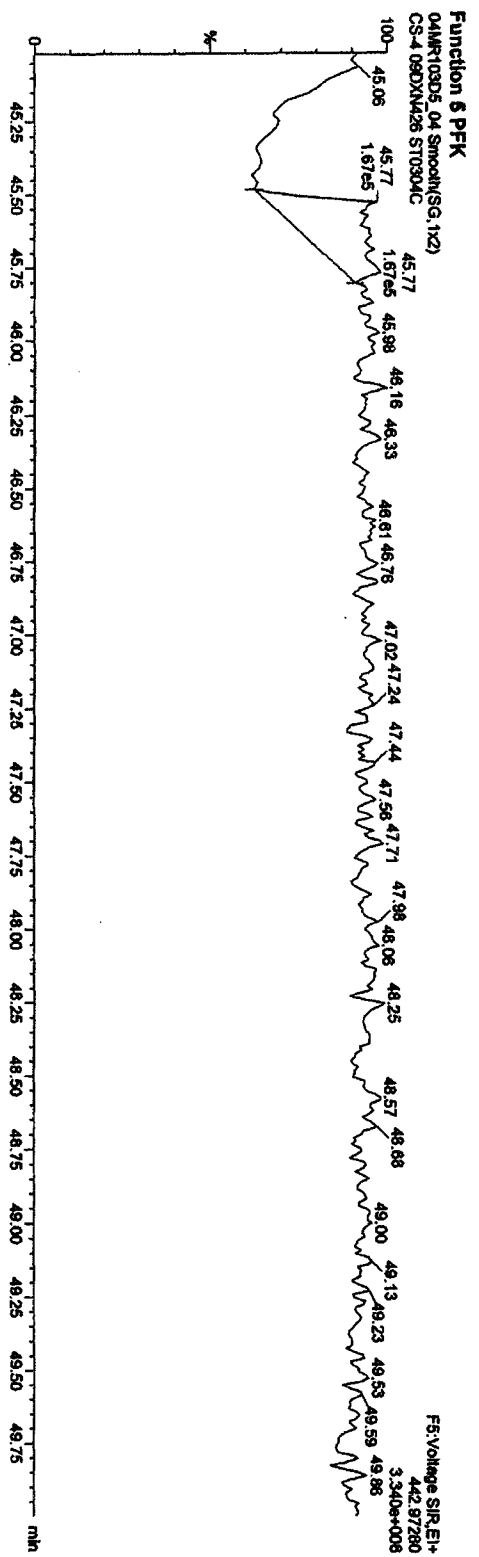
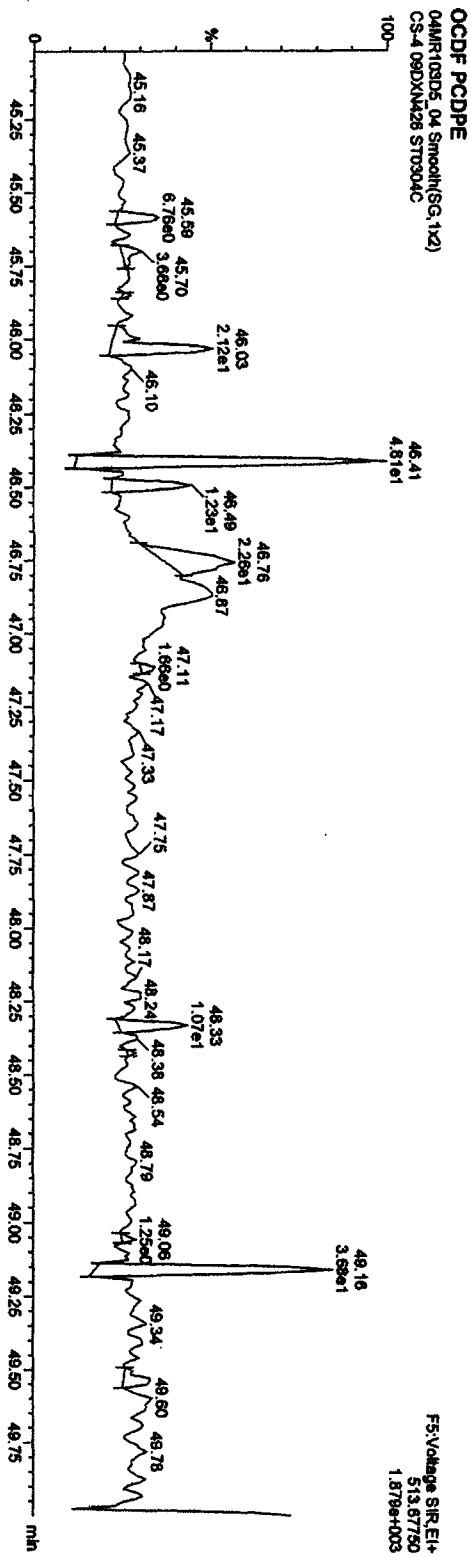


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UANZ2010\PROJ\CA030420103D516130CDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4-09DXNA26



Quantity Sample Report MassLynx 4.1

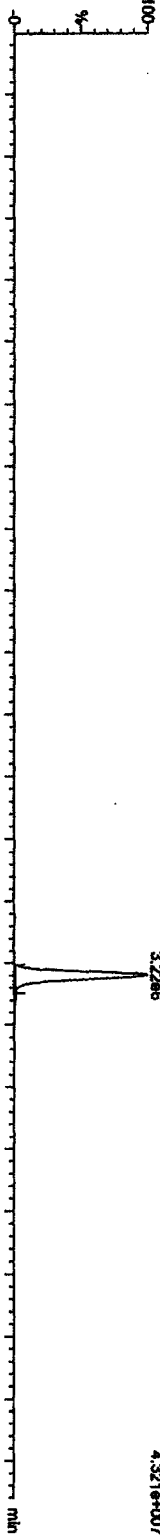
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

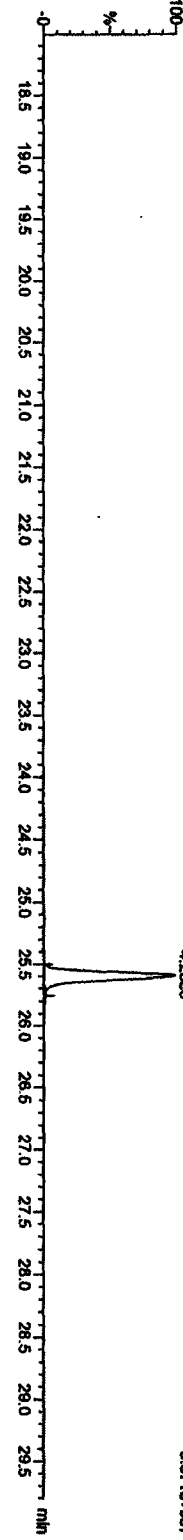
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

TCDFs

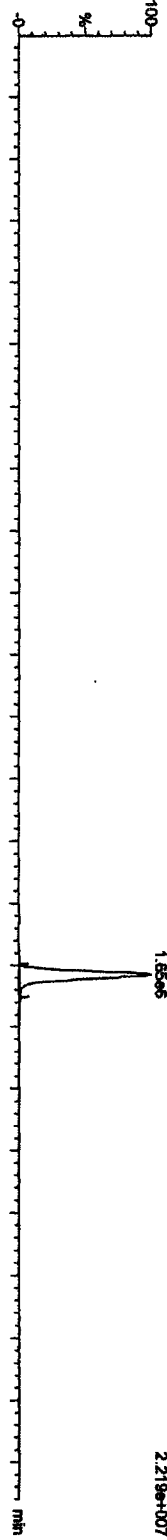
04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



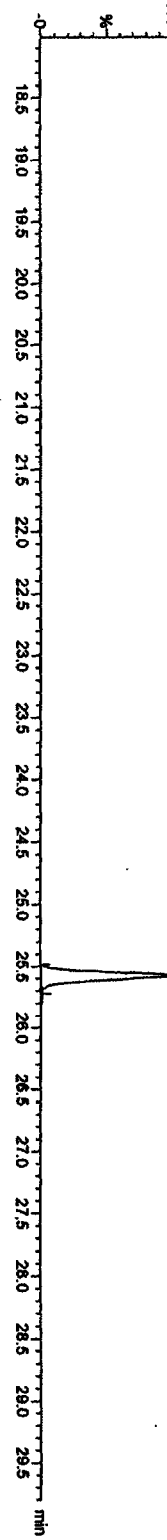
04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



13C-TCDF
04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



Quantity Sample Report MassLynx 4.1

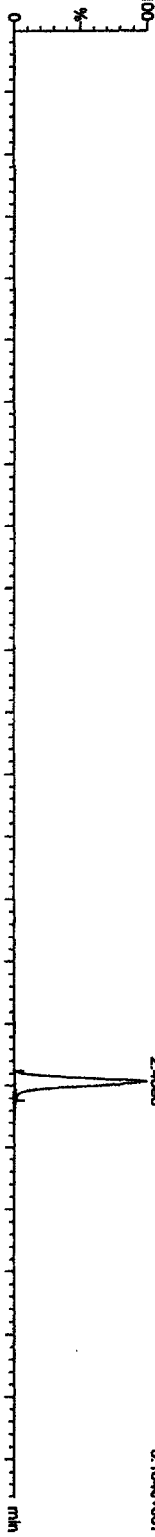
Dataset: C:\MassLynx\LAN2010\PROLICA030420103D516130CDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

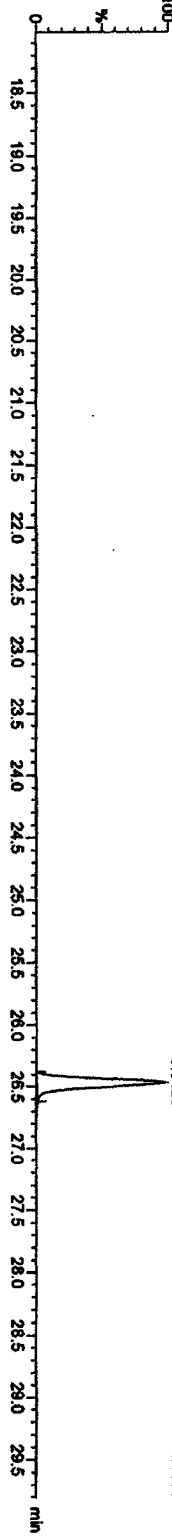
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:36:43, ID: ST0304D, Description: CS-6-09DXN456

TCDDs

04MR103D5_05 Smoak(SG,1x2)
CS-6-09DXN456 ST0304D

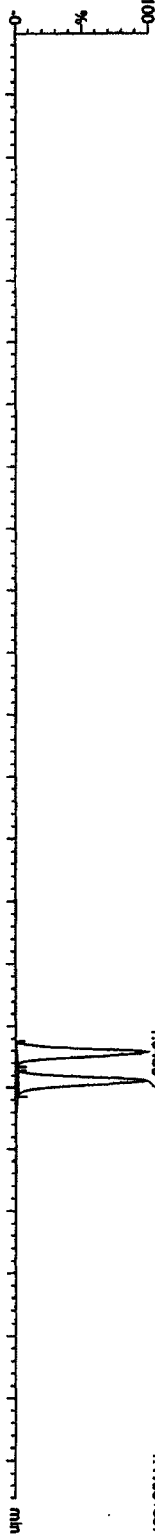


04MR103D5_05 Smoak(SG,1x2)
CS-6-09DXN456 ST0304D

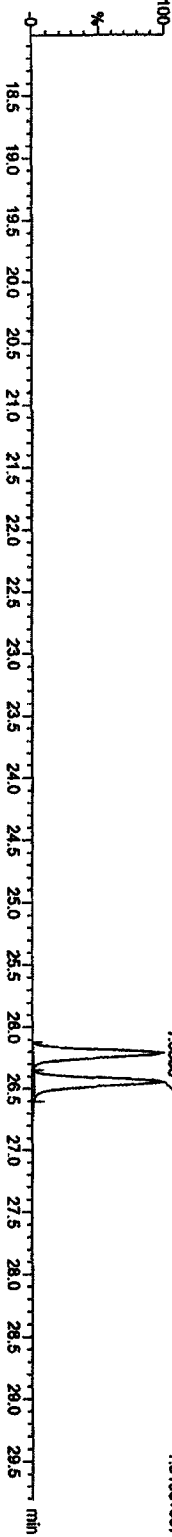


13C-TCDDs

04MR103D5_05 Smoak(SG,1x2)
CS-6-09DXN456 ST0304D



04MR103D5_05 Smoak(SG,1x2)
CS-6-09DXN456 ST0304D



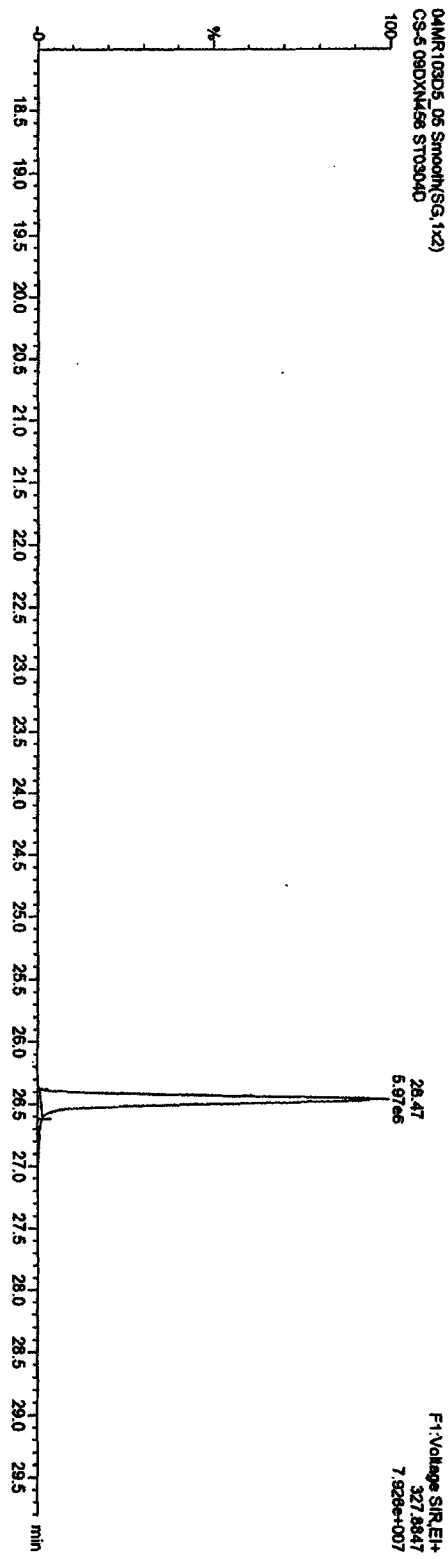
Quantity Sample Report Masslynx 4.1

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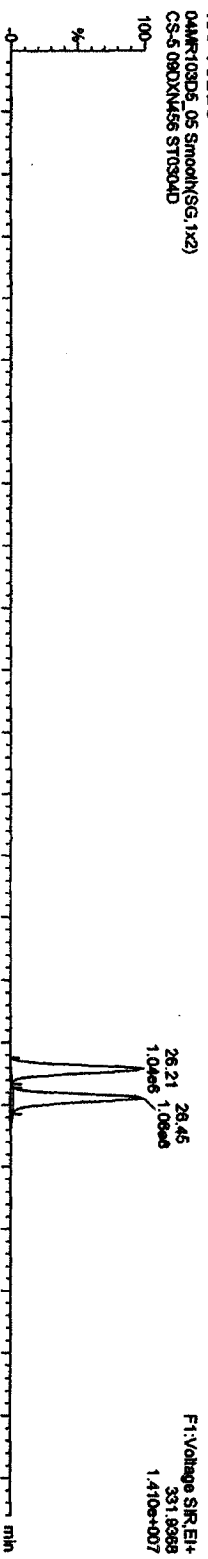
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Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN458

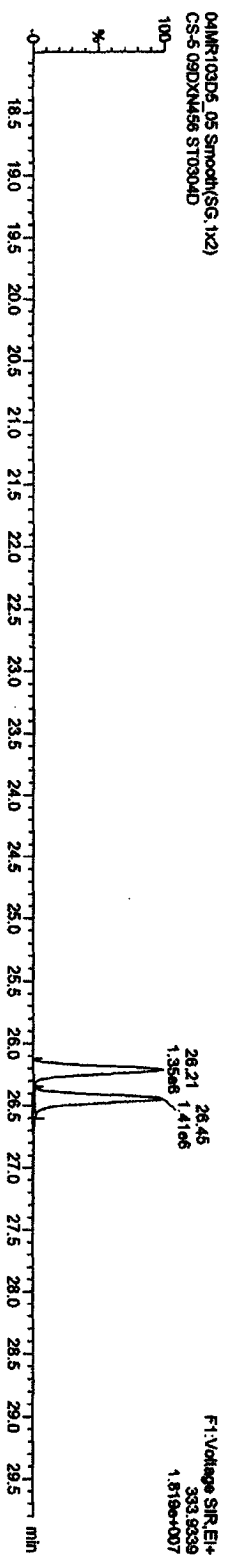
37CL-2,3,7,8-TCDD
04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXN458 ST0304D



13C1-TCDDs
04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXN458 ST0304D



04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXN458 ST0304D



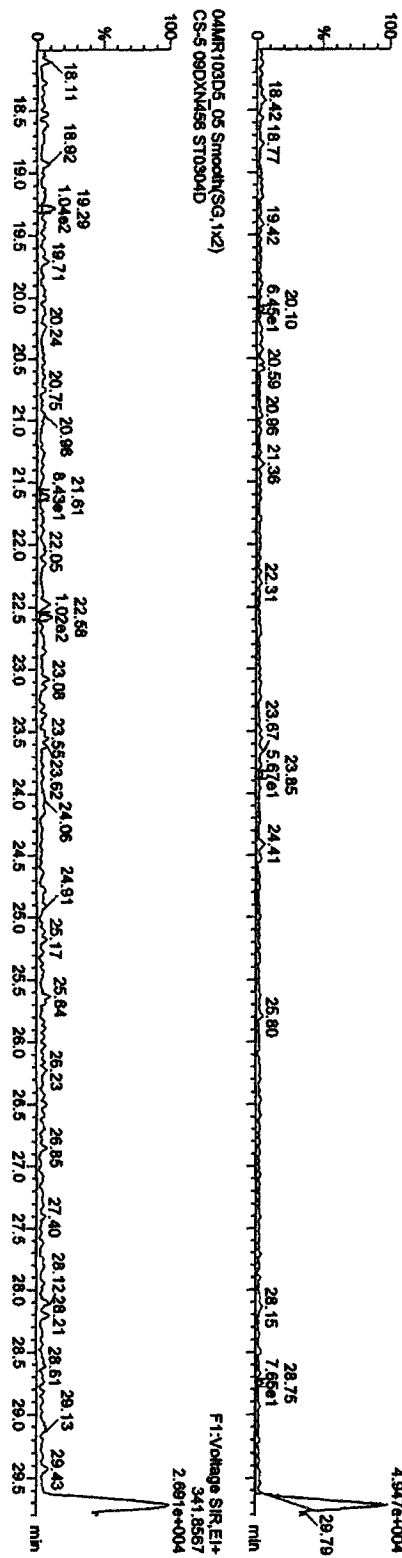
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROLCA030420103D516130CCDF25.qdd

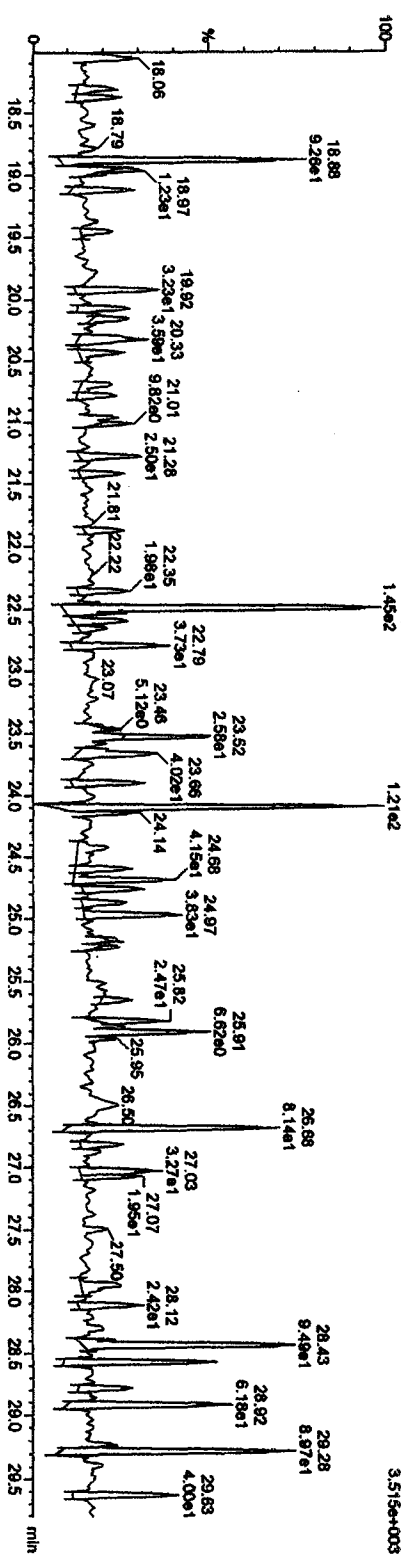
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

F1 PCDFs
04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXN456 ST0304D



F1 PCDFs
04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXN456 ST0304D



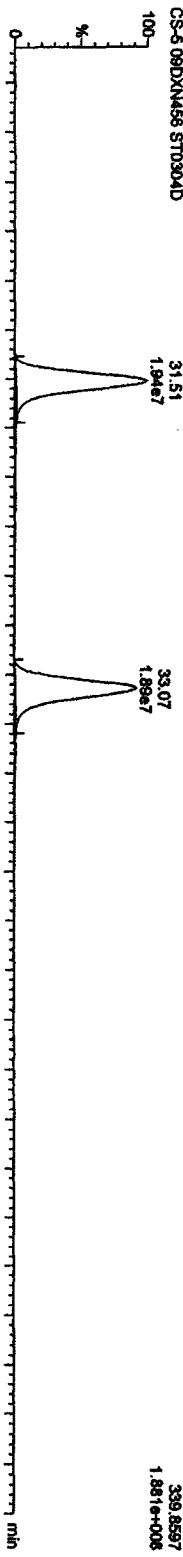
Dataset: C:\MassLynx\LAN2010\PROVICA030420103D516130CCDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

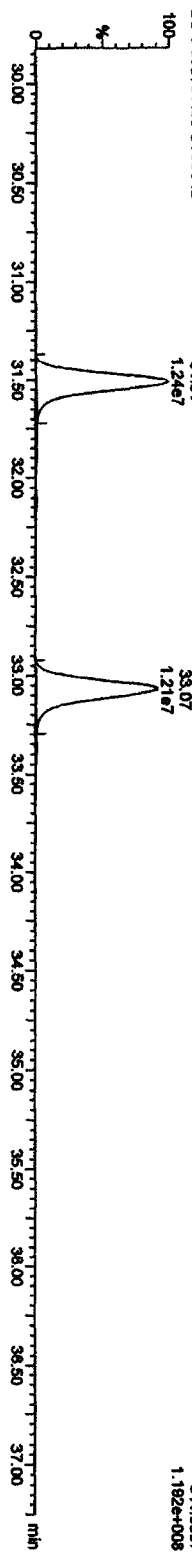
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

PACDFs

04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D

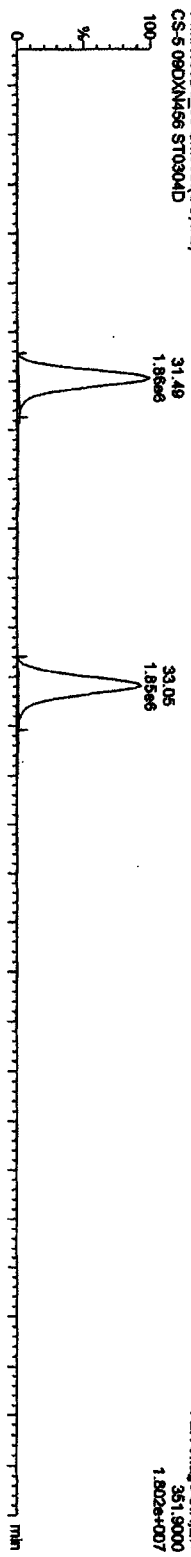


04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D

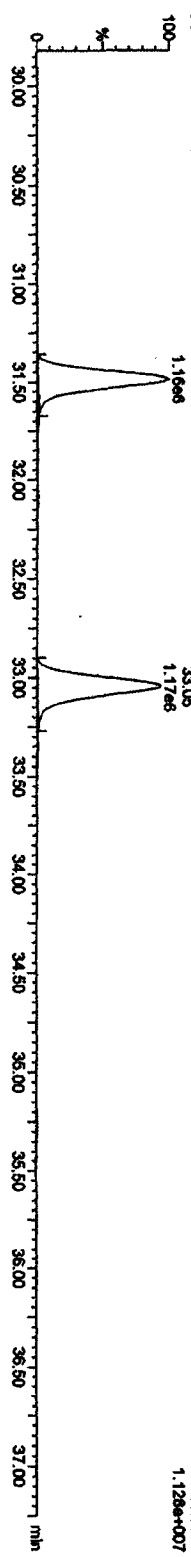


13C-PeCDFs

04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



F2:Voltage SIR.EI+
339.8597
1.881e+006

F2:Voltage SIR.EI+
341.8587
1.182e+008

F2:Voltage SIR.EI+
351.9000
1.802e+007

F2:Voltage SIR.EI+
353.8870
1.128e+007

Dataset: C:\MassLynx\JAN2010\PRO\CA030420103D516130CCDF25.qld

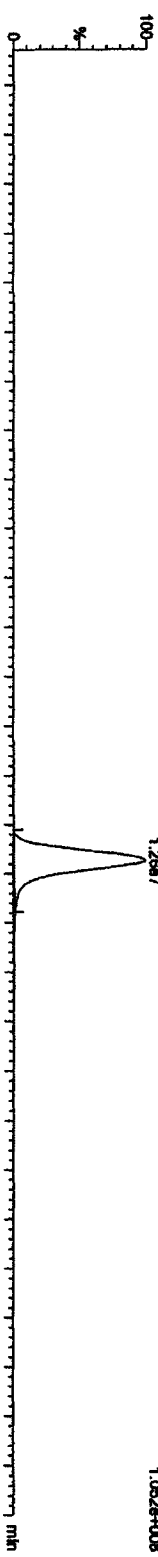
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time

Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MFR103D5_05, Date: 04-Mar-2010, Time: 14:36:43, ID: ST0304D, Description: CS-6-09DXN456

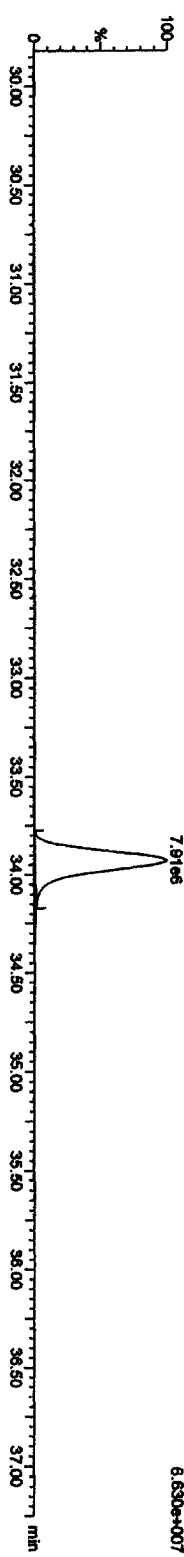
PcDDs

04MFR103D5_05 Smooth(SG, 1x2)
CS-6-09DXN456 ST0304D



F2:Voltage SIR.EI+
355.8596
1.052e+008

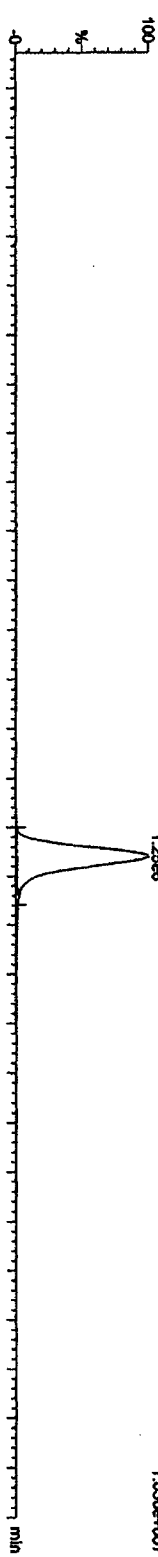
04MFR103D5_05 Smooth(SG, 1x2)
CS-6-09DXN456 ST0304D



F2:Voltage SIR.EI+
357.8516
6.630e+007

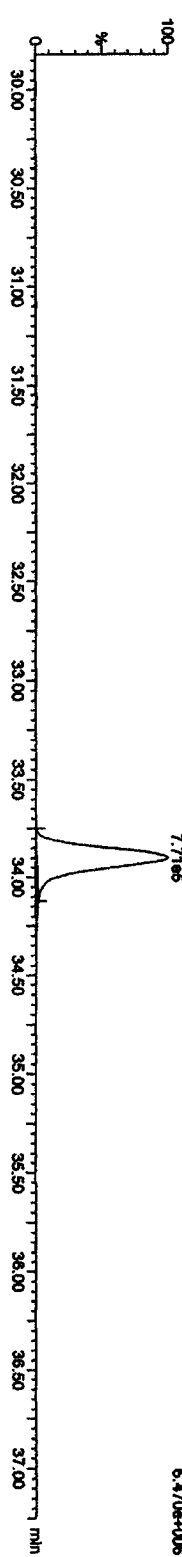
13C-PcDD

04MFR103D5_05 Smooth(SG, 1x2)
CS-6-09DXN456 ST0304D



F2:Voltage SIR.EI+
367.8949
1.050e+007

04MFR103D5_05 Smooth(SG, 1x2)
CS-6-09DXN456 ST0304D



F2:Voltage SIR.EI+
369.8918
6.470e+006

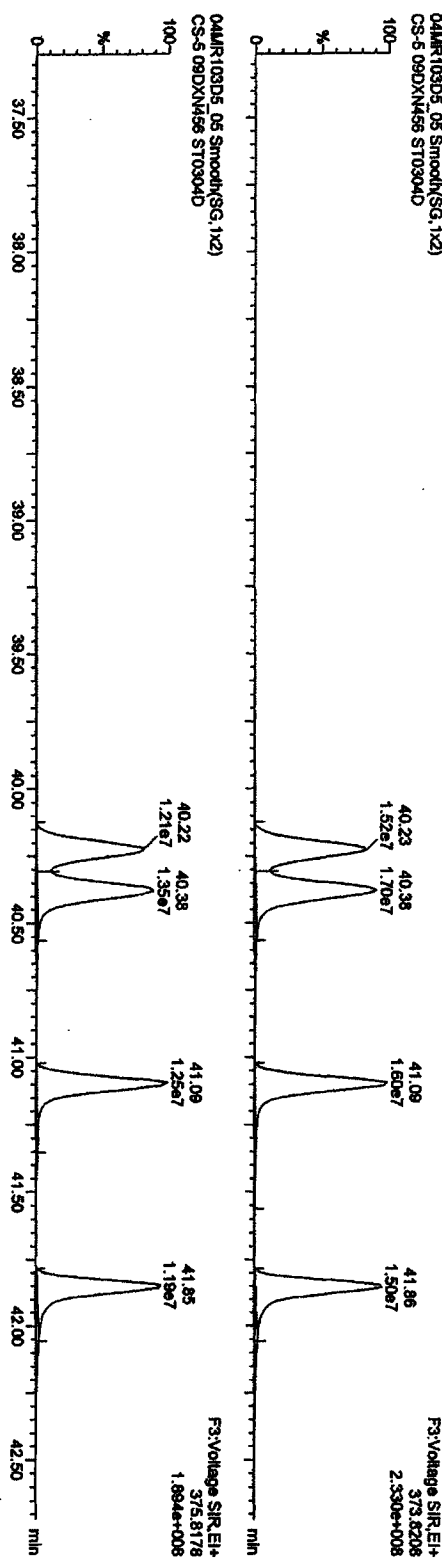
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\CA030420103D516130CCDF25.qld

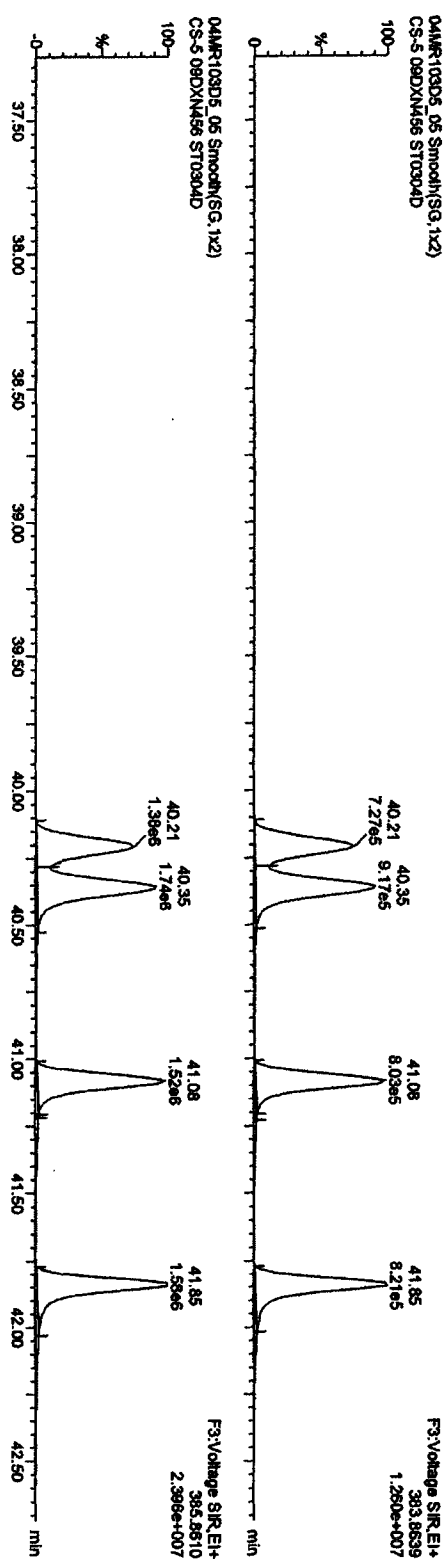
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

HxCDFs
04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



13C-HxCDFs
04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



Quantity Sample Report Masslynx 4.1

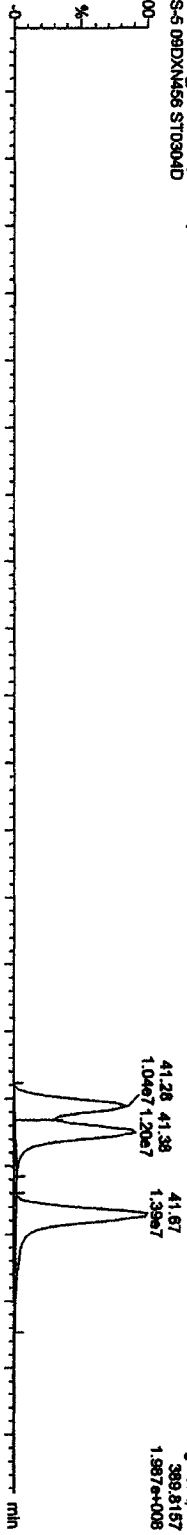
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

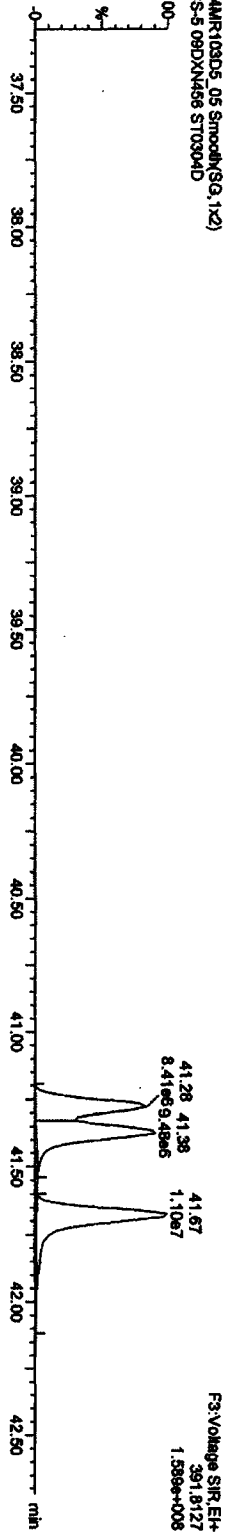
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

HxCDDs

04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D

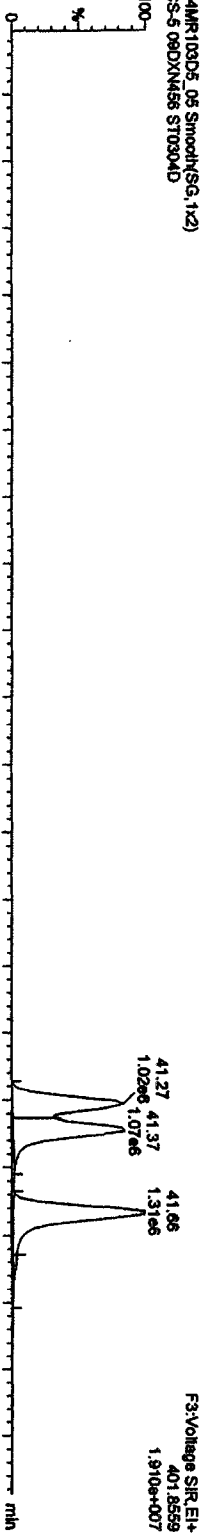


04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D

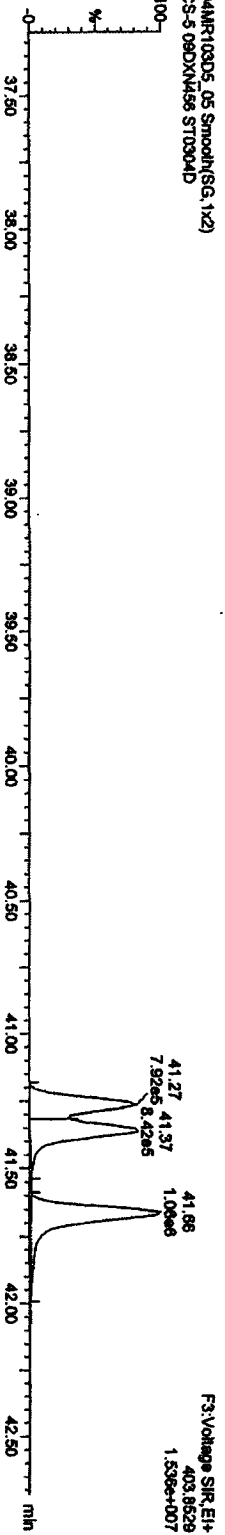


13C-HxCDDs

04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



04MR103D5_05 Smooth(SG, 1x2)
CS-5 09DXN456 ST0304D



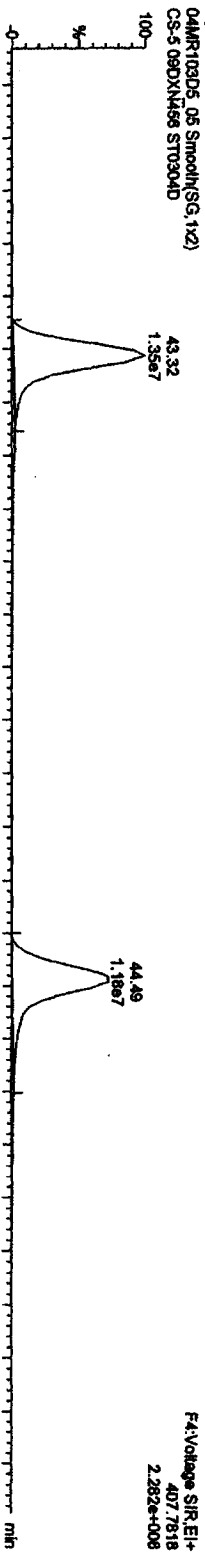
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\JAN2010\PROV\CA030420103D516130CDF25.qid

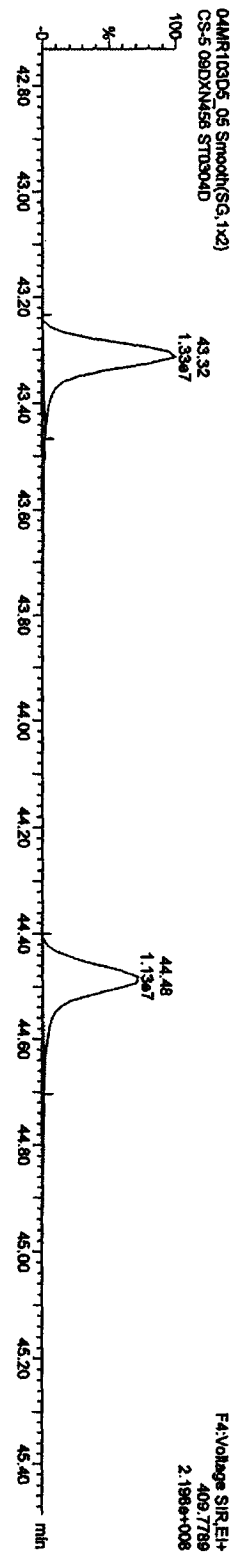
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

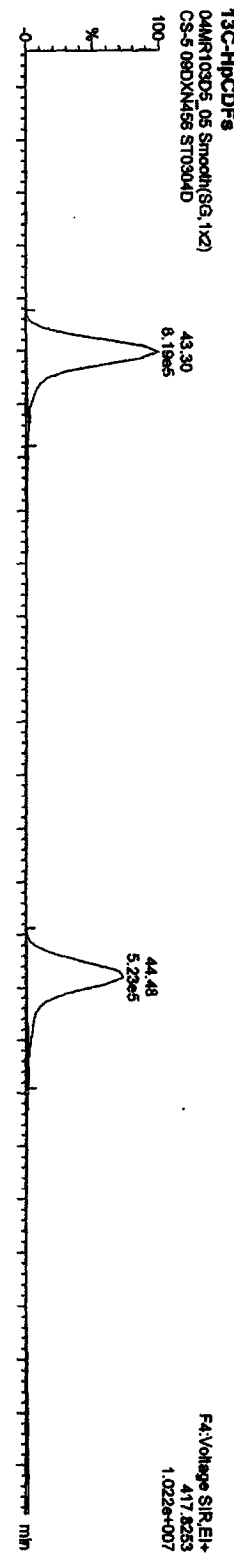
HPCDFs



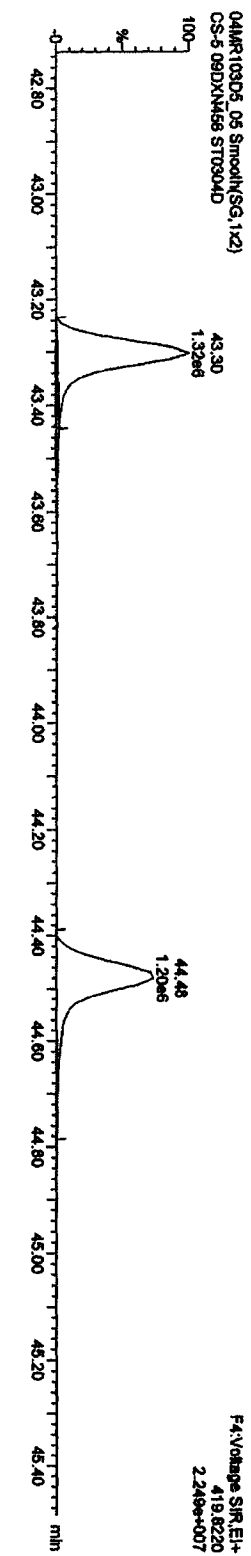
13C-HPCDFs



13C-HPCDFs



13C-HPCDFs



Quantity Sample Report MassLynx 4.1

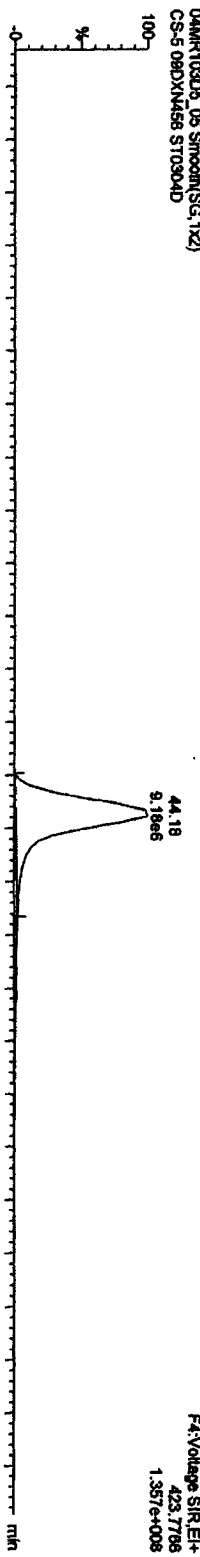
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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

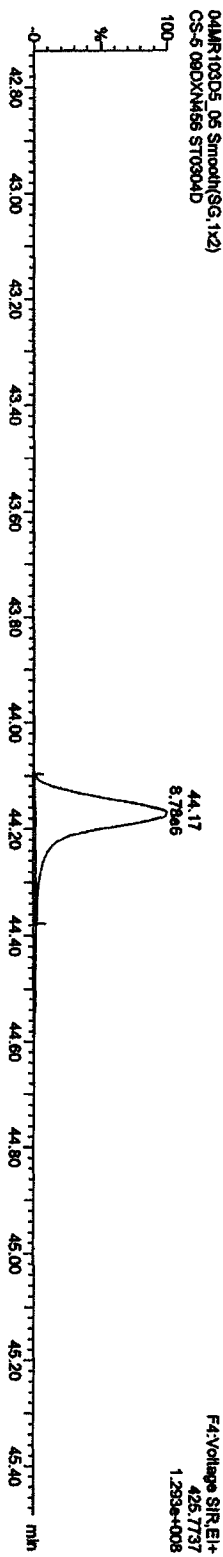
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5-09DXN466

HPCDDs

04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN466 ST0304D

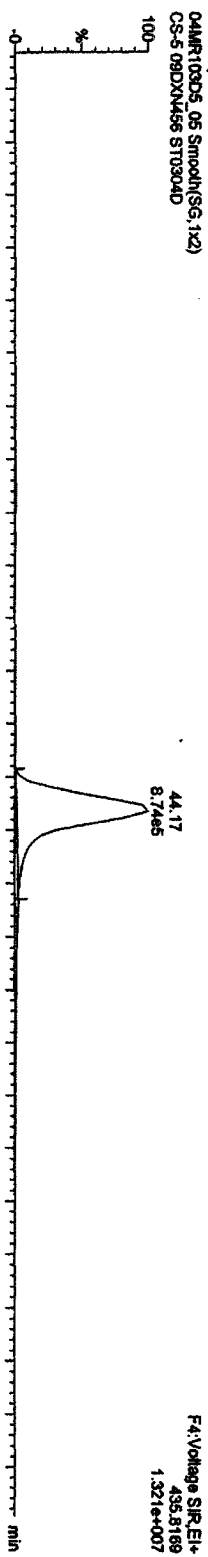


04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN466 ST0304D

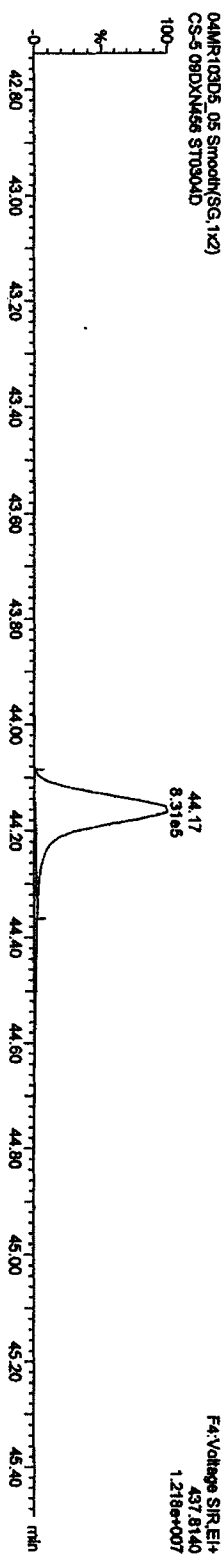


13C-HPCDD

04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN466 ST0304D



04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN466 ST0304D



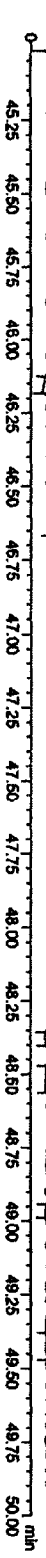
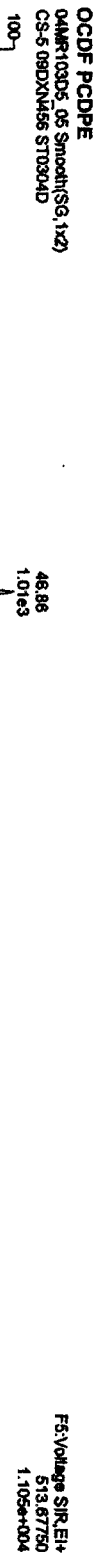
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA030420103D516130OCDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

OCDFs

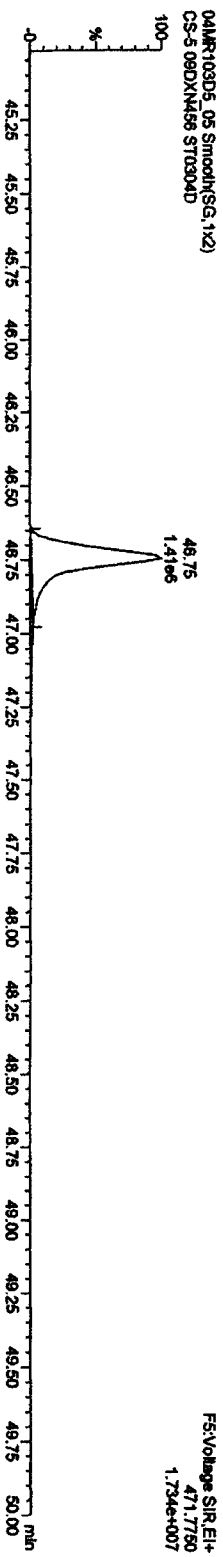
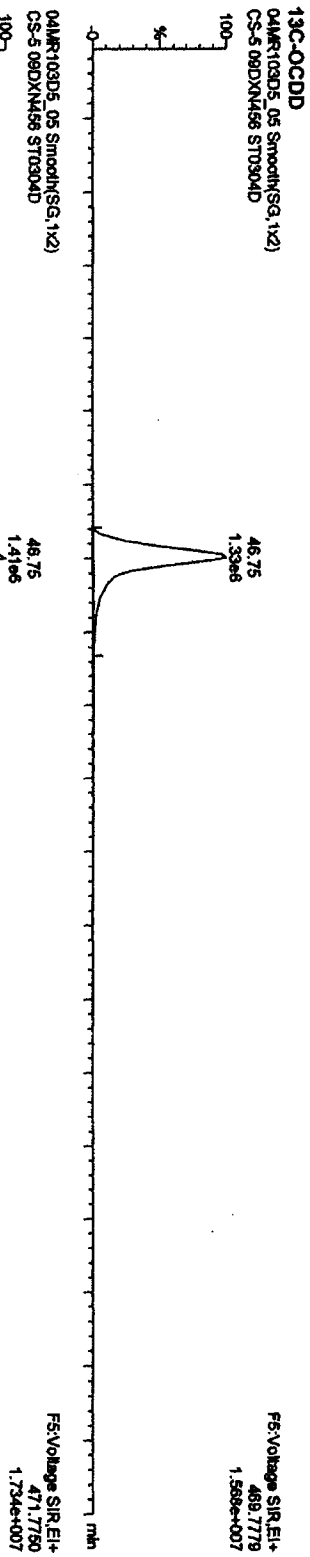
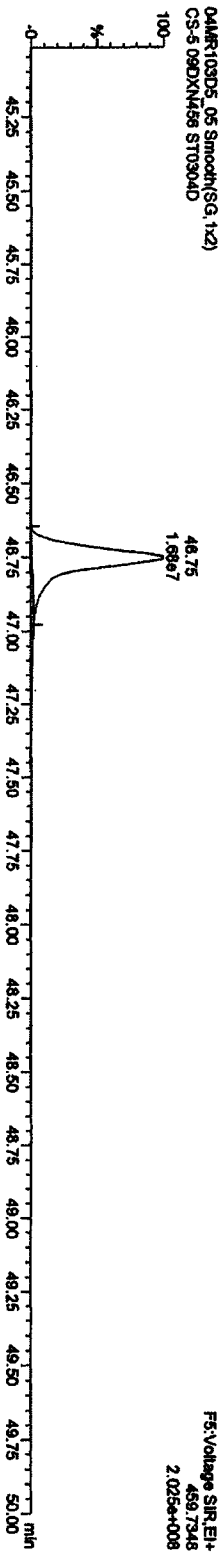


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROL\CA030420103D516130CDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:36:43, ID: ST0304D, Description: CS-5 09DXM456

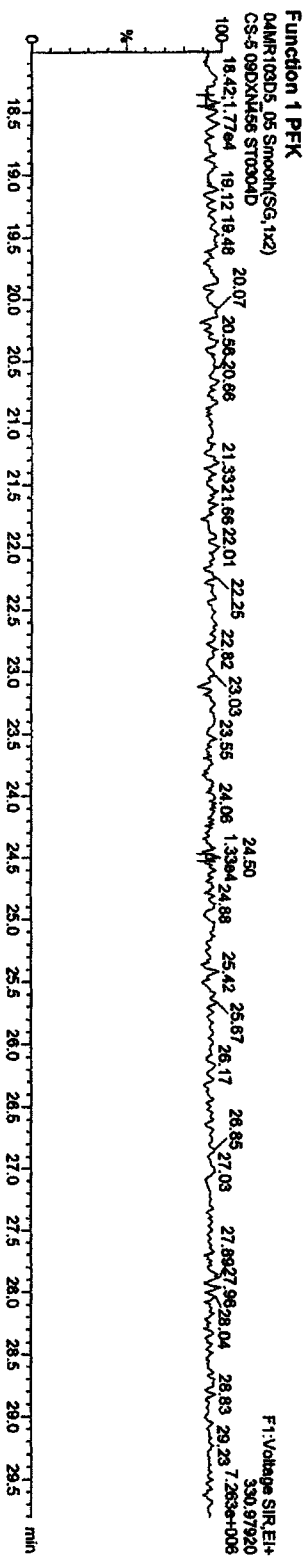
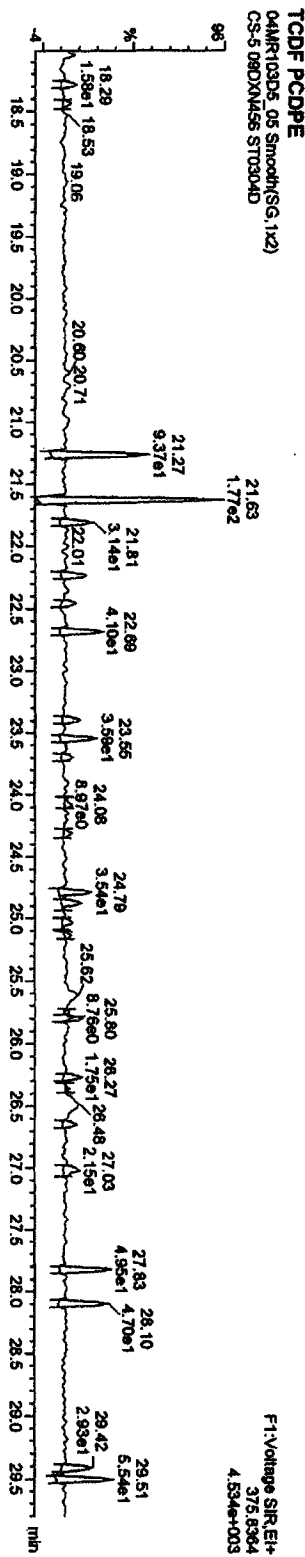
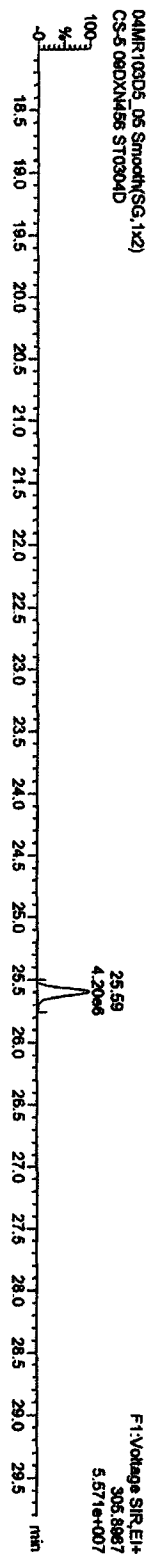
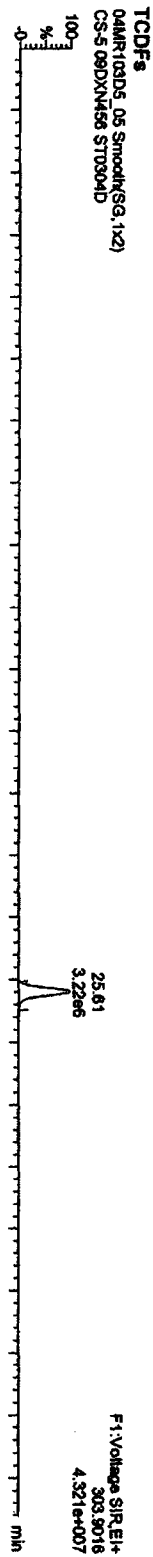


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROJ\CA030420103D516130CDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5-09DXN456



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LANZ2010\PROVCA030420103D516130CDDF25.qld

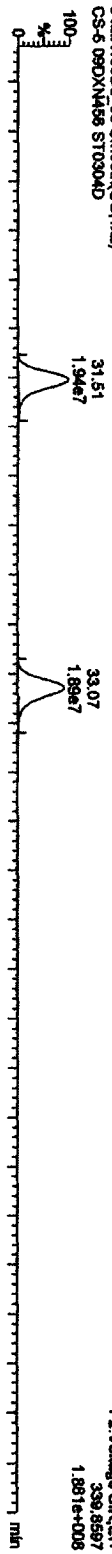
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5-09DXN456

PcCDF

04MR103D5_05 Smooth(SG, 1x2)

CS-5-09DXN456 ST0304D



F2:Voltage SIR.EI+
339.8597
1.891e+008

04MR103D5_05 Smooth(SG, 1x2)

CS-5-09DXN456 ST0304D

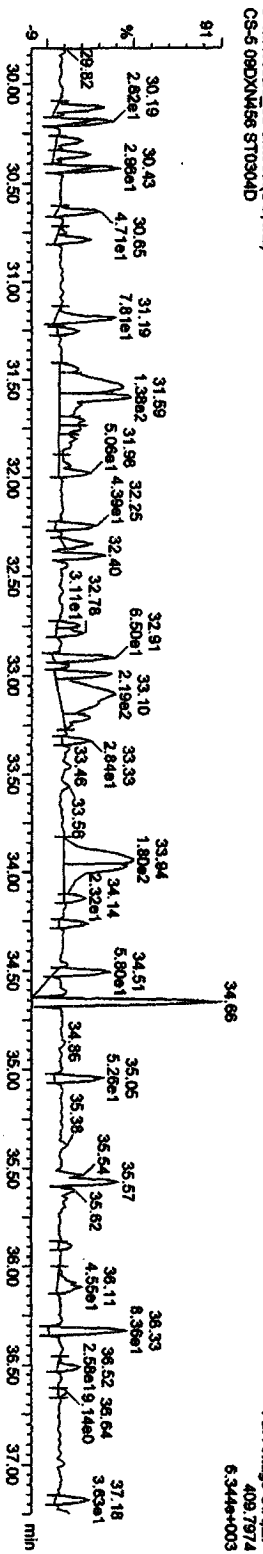


F2:Voltage SIR.EI+
341.8967
1.192e+008

F2 PcCDF PCDDPE

04MR103D5_05 Smooth(SG, 1x2)

CS-5-09DXN456 ST0304D

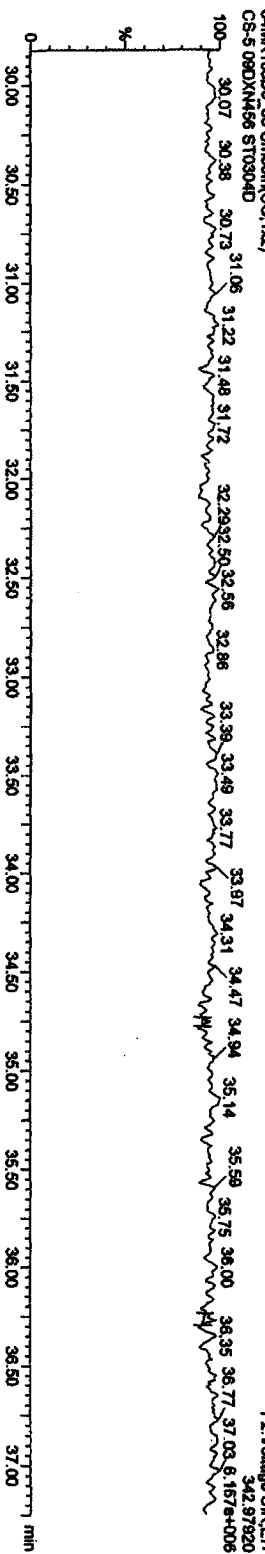


F2:Voltage SIR.EI+
409.7974
6.344e+003

Function 2 PFK

04MR103D5_05 Smooth(SG, 1x2)

CS-5-09DXN456 ST0304D



F2:Voltage SIR.EI+
342.97820

Quantity Sample Report MassLynx 4.1

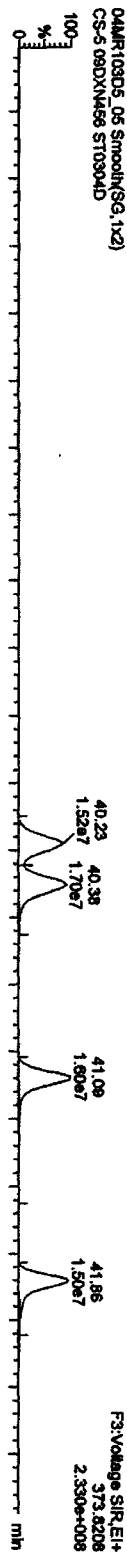
Dataset: C:\MassLynx\LAN2010\PRO\CA030420103D516130CCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

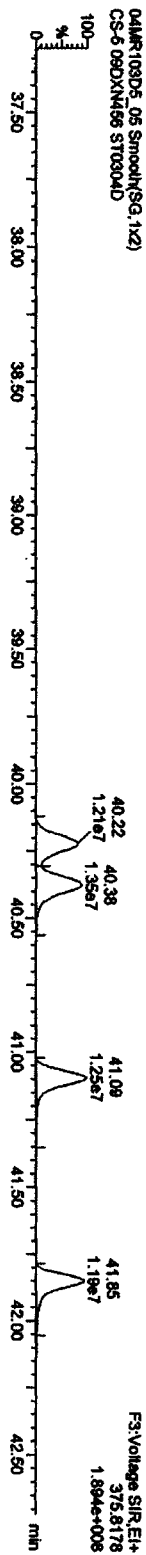
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5-09DXN456

HxCDFs

04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN456 ST0304D

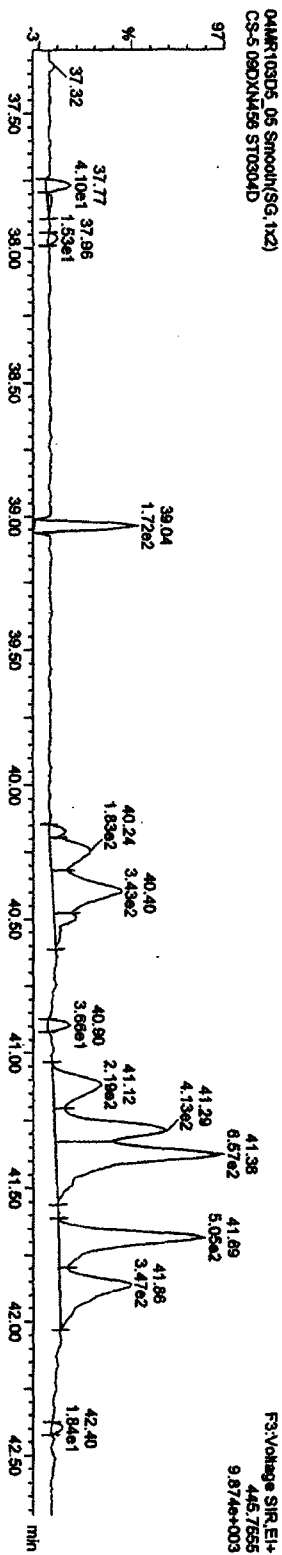


04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN456 ST0304D



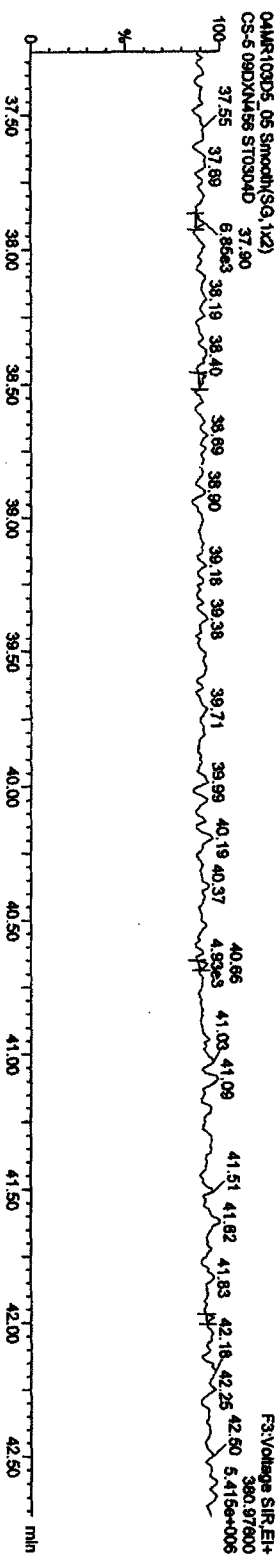
HxCDF PCDDPE

04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN456 ST0304D



Function 3 PFK

04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN456 ST0304D



Quantity Sample Report Masslynx 4.1

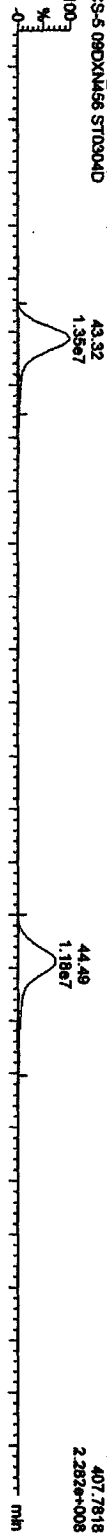
Dataset: C:\Masslynx\JAN2010\PROV\CA030420103D516130CDF25.qid

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

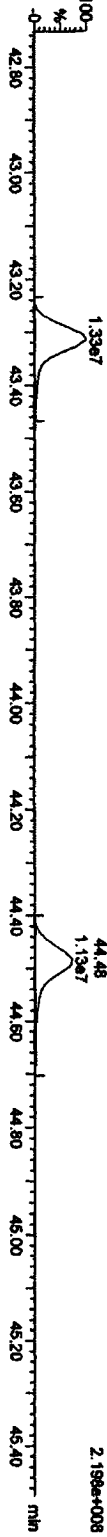
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXM456

HPCDFs

04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXM456 ST0304D

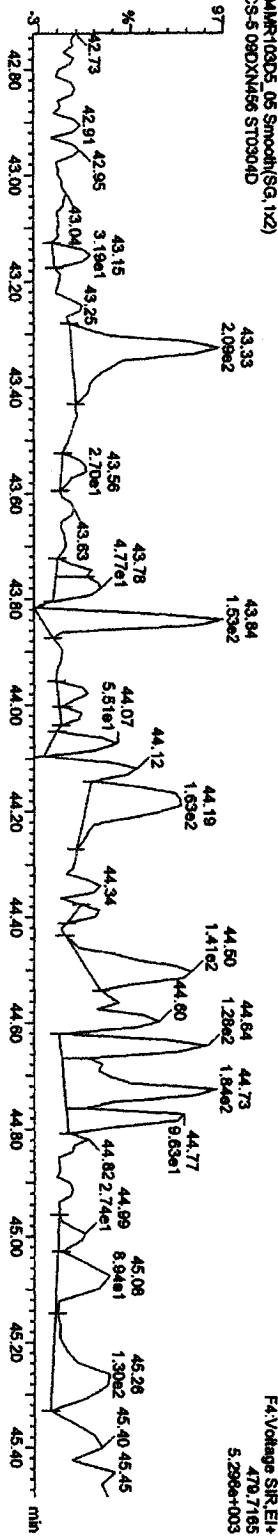


04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXM456 ST0304D



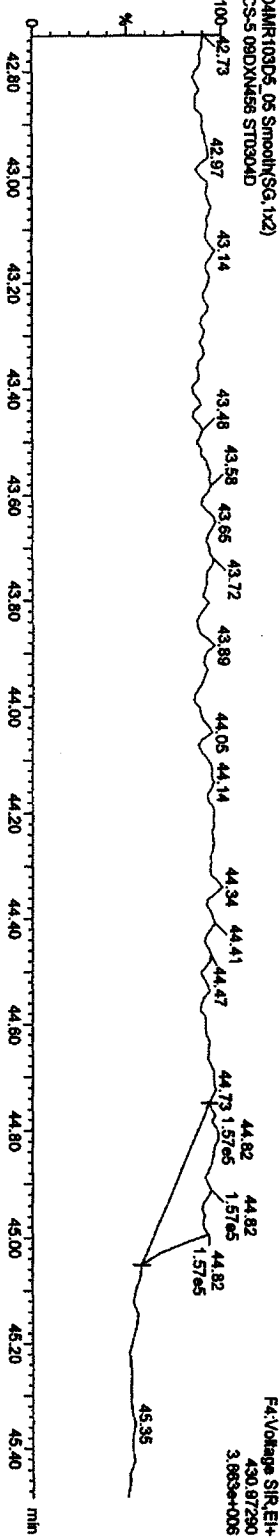
HPCDF PCDPE

04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXM456 ST0304D



Function 4 PFK

04MR103D5_05 Smooth(SG,1x2)
CS-5 09DXM456 ST0304D



Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\JAN2010\PROV\CA030420103D516130CDF25.qld

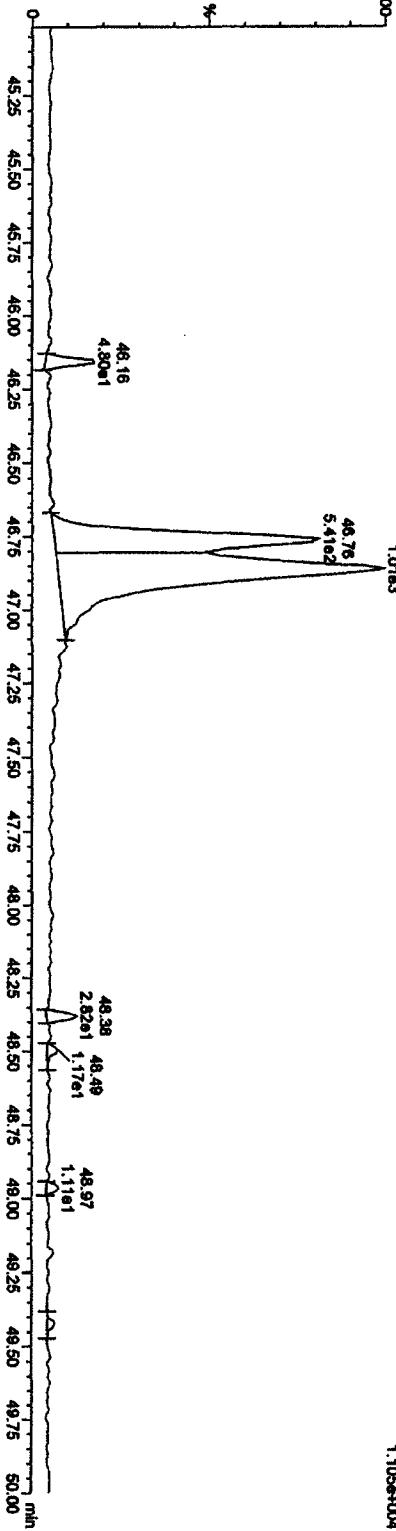
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5-09DXN456

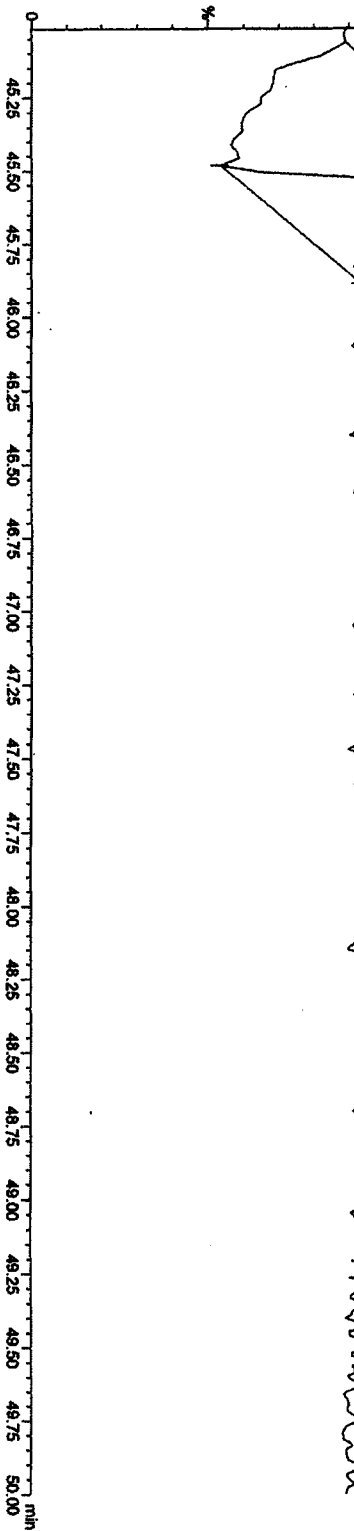
OCDF PCDFE
04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN456 ST0304D

48.86
1.01e3

FS:Voltage SIR.EI+
513.67760
1.105e-004



Function 5 PFK
04MR103D5_05 Smooth(SG, 1x2)
CS-5-09DXN456 ST0304D



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PROV\QMR103D5\6132\2ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time

Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

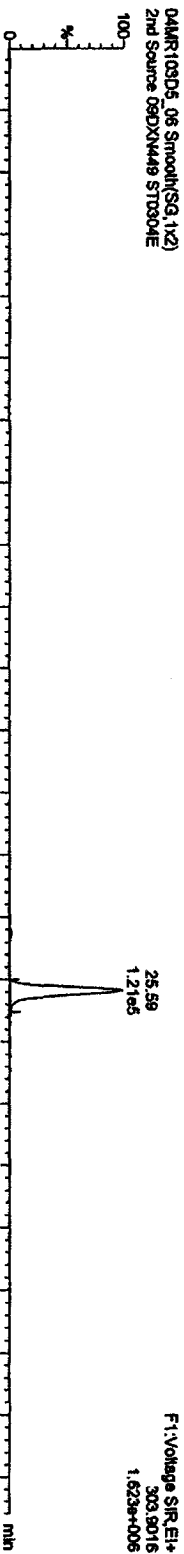
Method: C:\MassLynx\JAN2010.PROV\Method\B16133D5\OCDD25.mdb 04 Mar 2010 12:40:27

Calibration: C:\MassLynx\JAN2010.PROV\Curve\B16133D5\OCDD25.cdb 04 Mar 2010 15:31:45

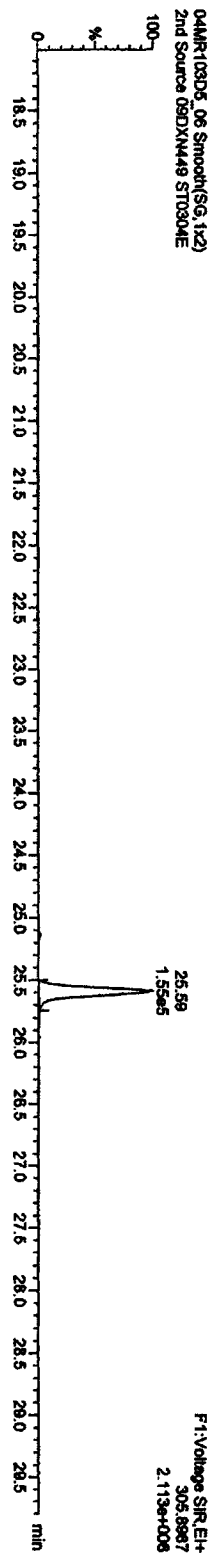
Name: QMR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

TCDFs

QMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E

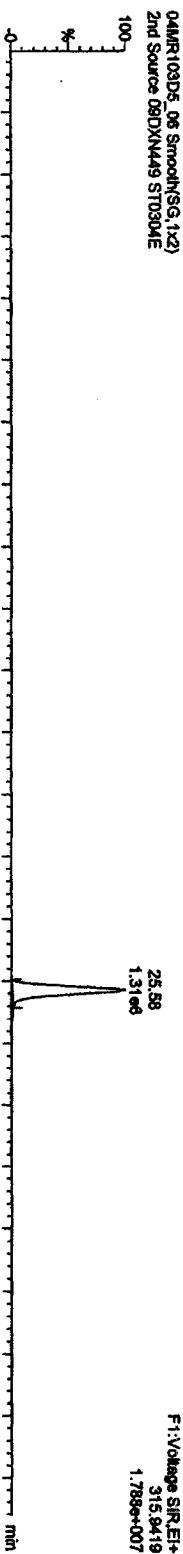


QMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E

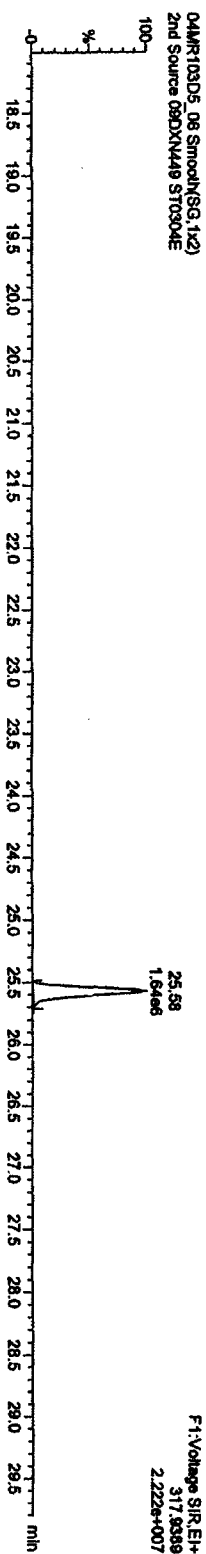


13C-TCDF

QMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



QMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



Quantity Sample Report MassLynx 4.1

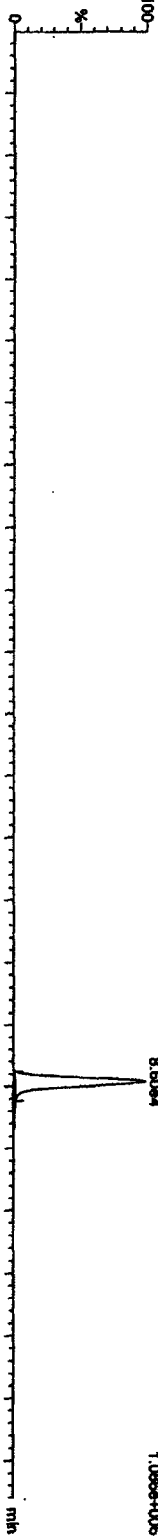
Dataset: C:\MassLynx\LAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

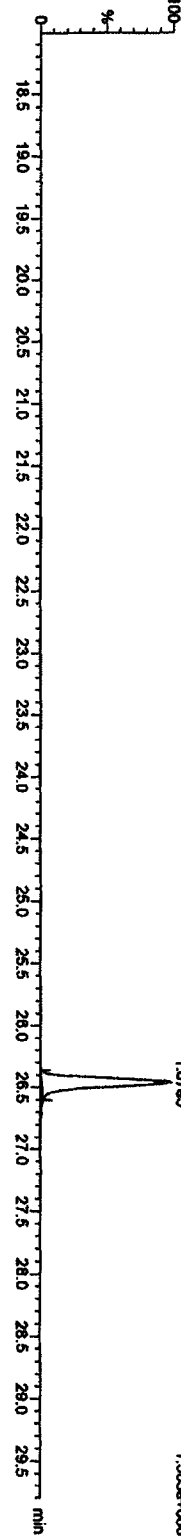
Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

TCDDs

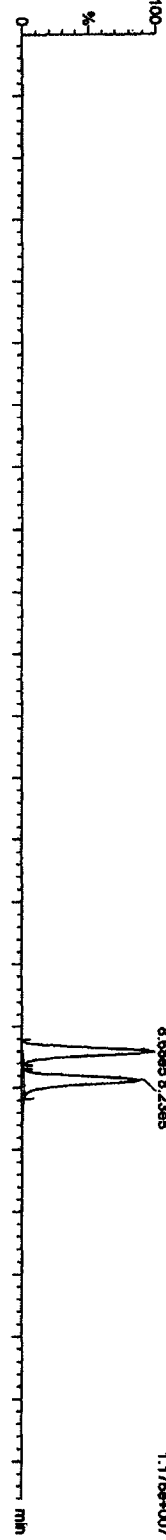
04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



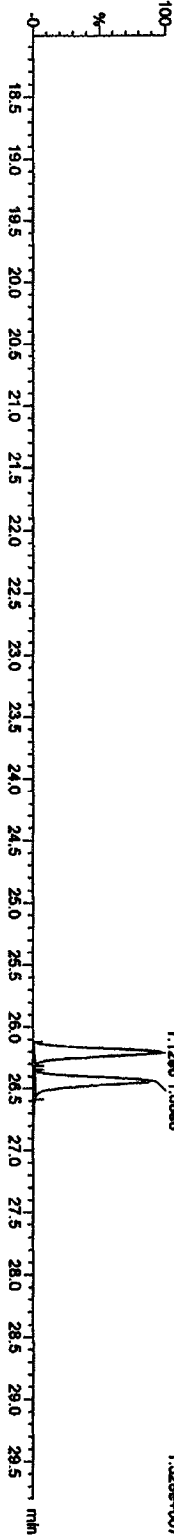
04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



Quantify Sample Report MassLynx 4.1

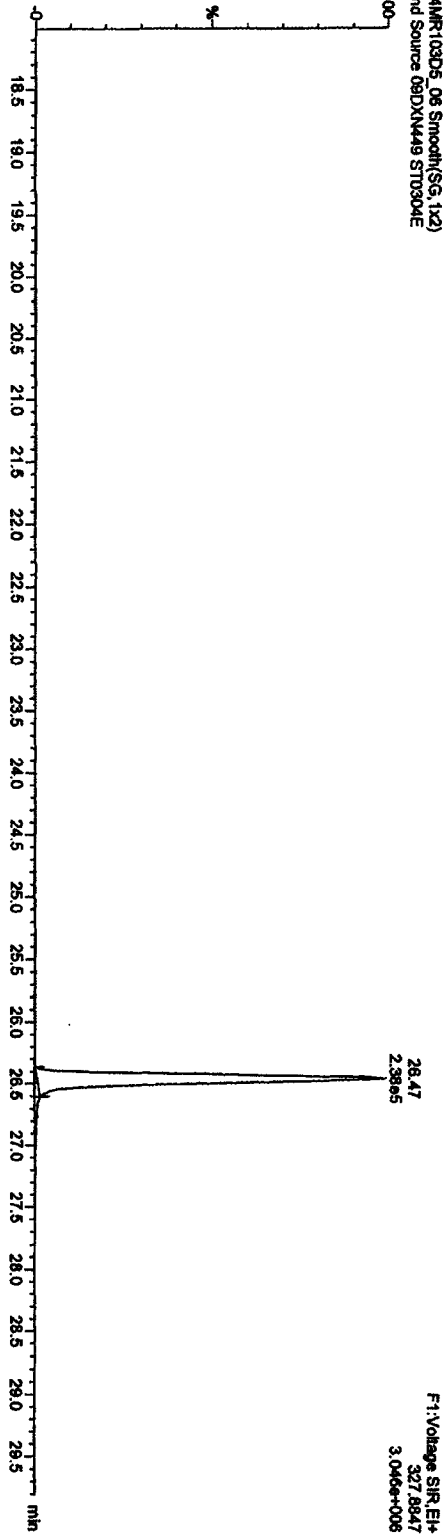
Dataset: C:\MassLynx\JAN2010\PROJ\QAMR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time

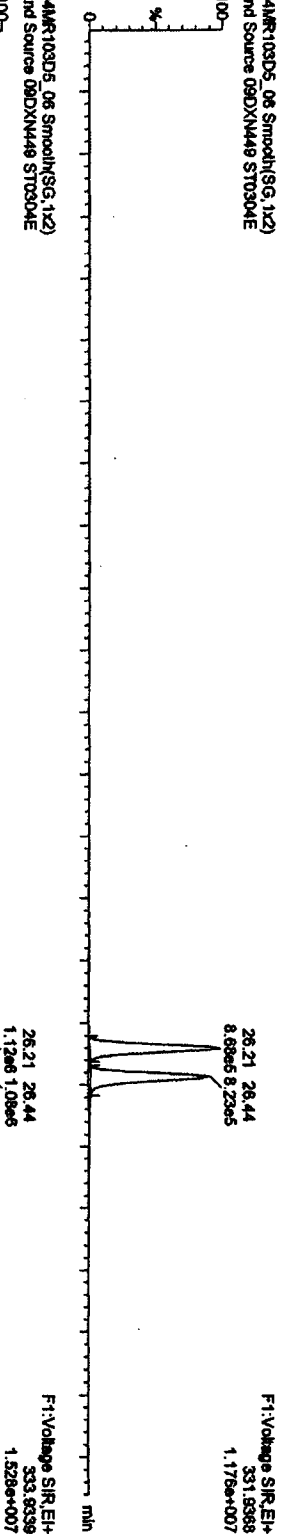
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: QAMR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

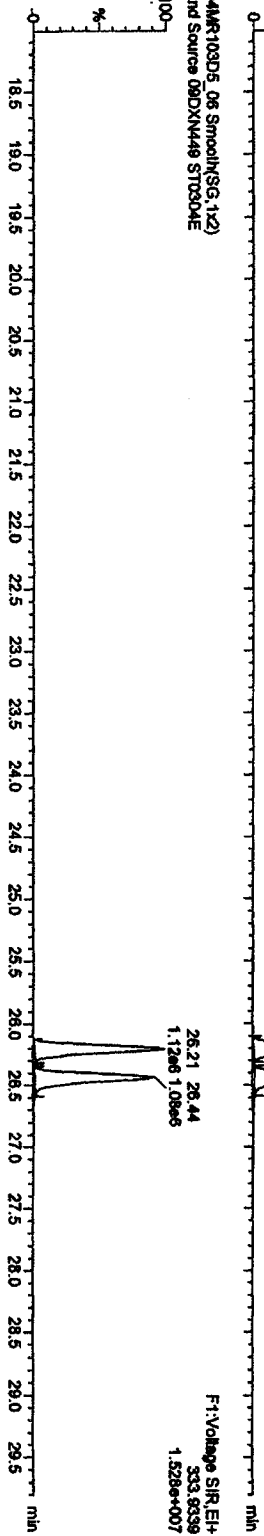
37CL-2,3,7,8-TCDD
QAMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



13C-TCDDs
QAMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



QAMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E

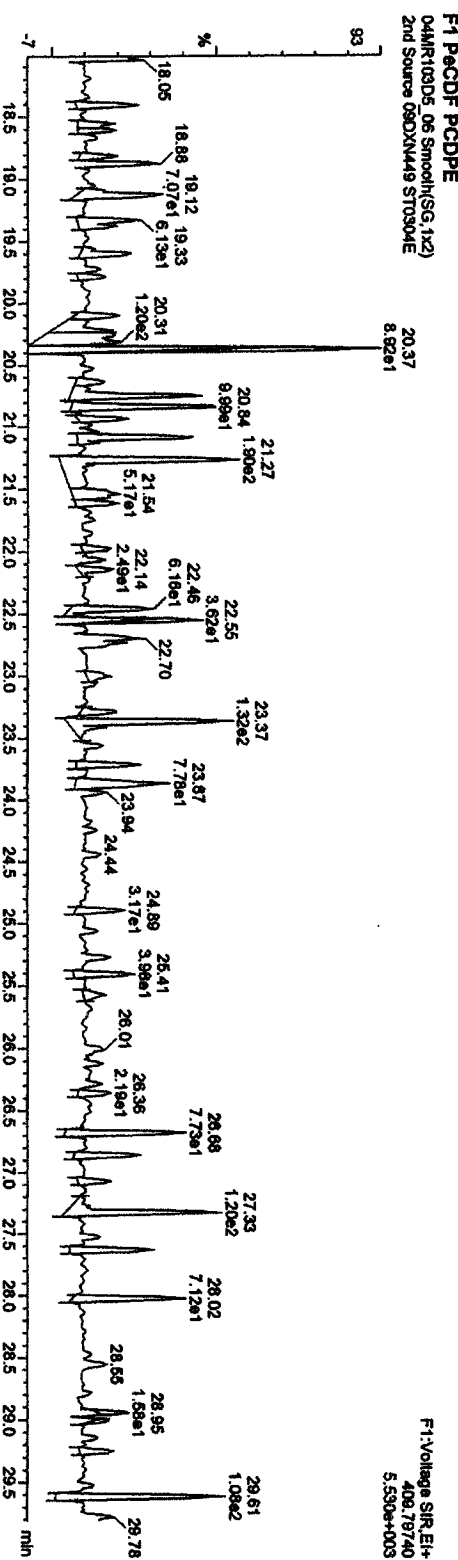
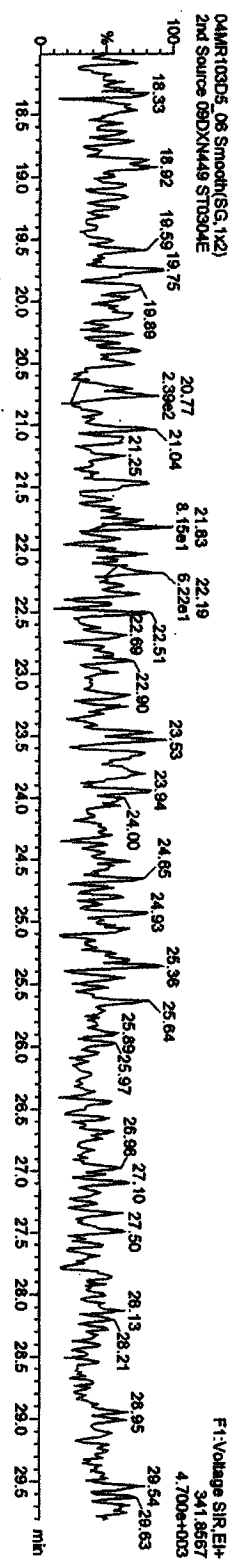
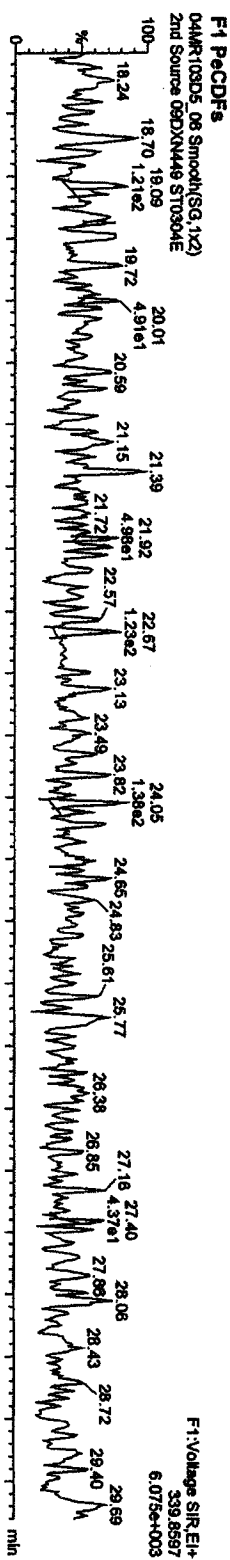


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 16:27:01, ID: ST0304E, Description: 2nd Source 09DXN449



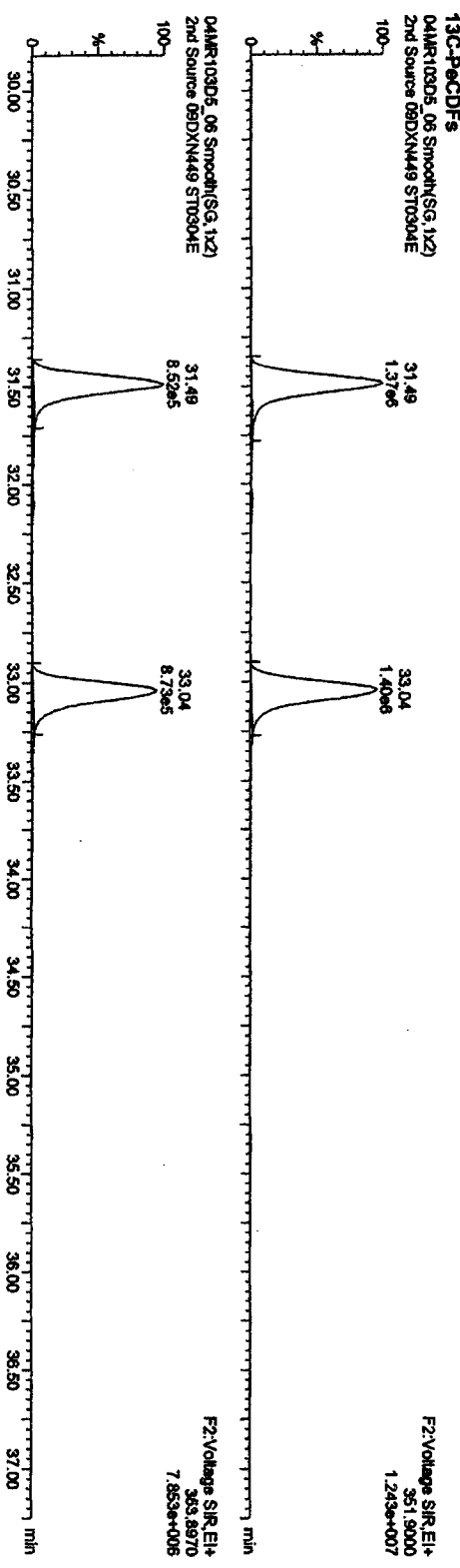
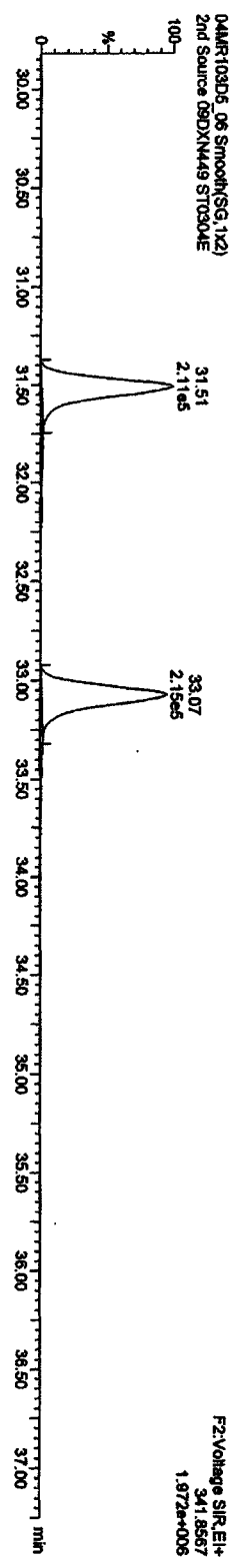
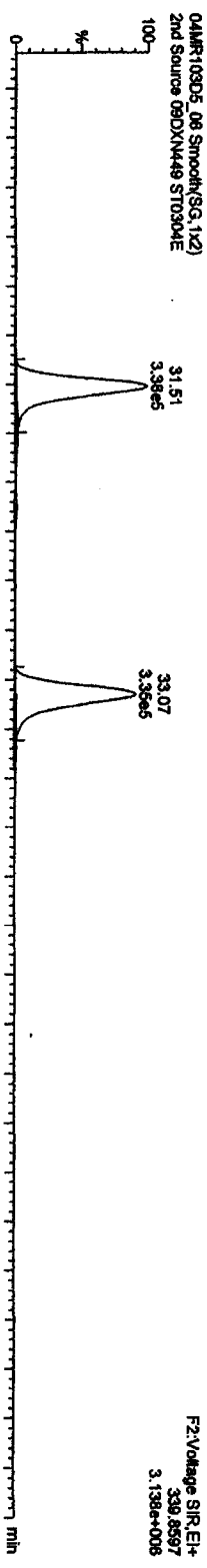
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LANZ2010\PROJ04MR103D516132\2ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 16:27:01, ID: ST0304E, Description: 2nd Source 09DXM449

PcCDFs



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\QMR103D516132ndSource.qld

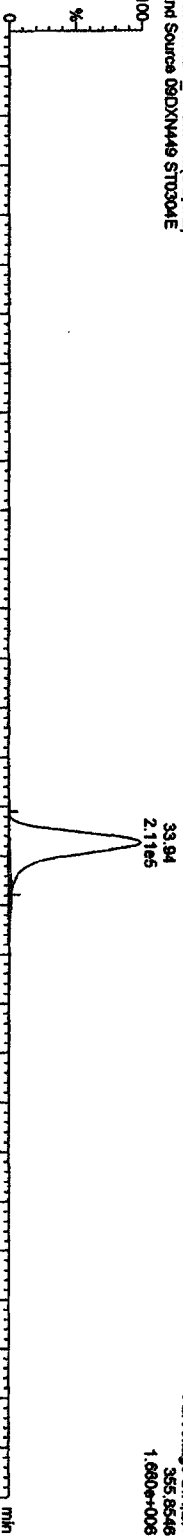
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time

Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

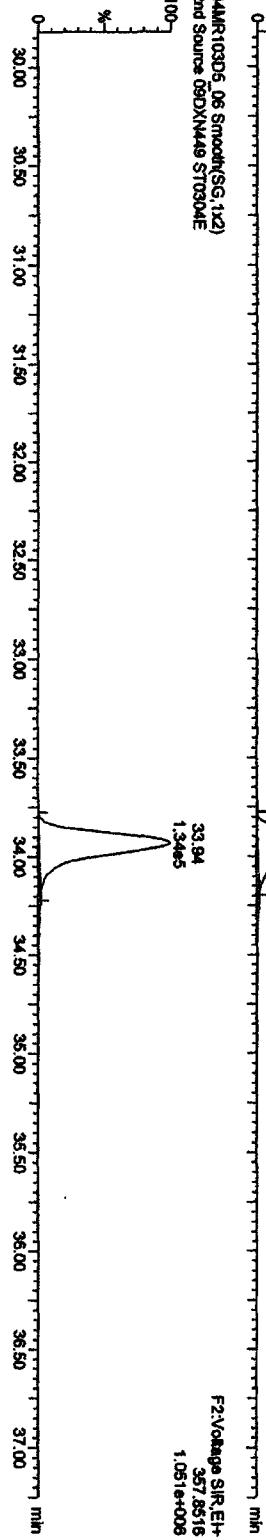
Name: QAMR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

PcDDs

QAMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E

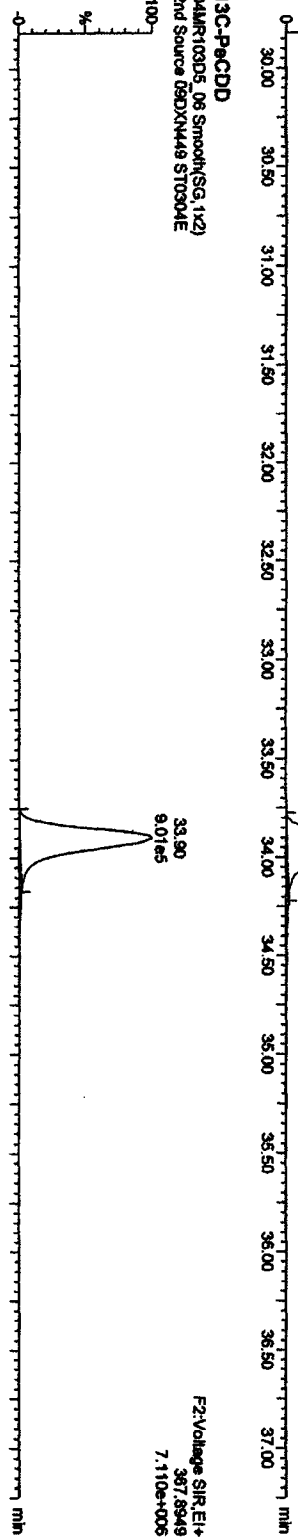


QAMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E

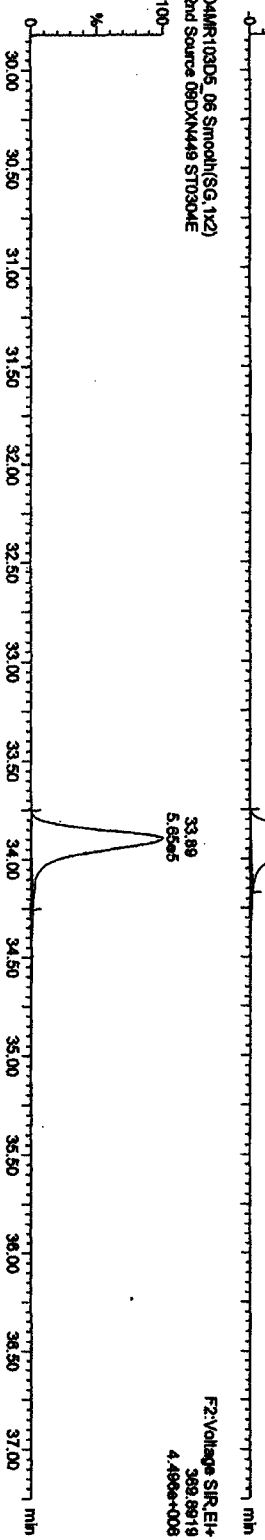


13C-PcDD

QAMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



QAMR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E

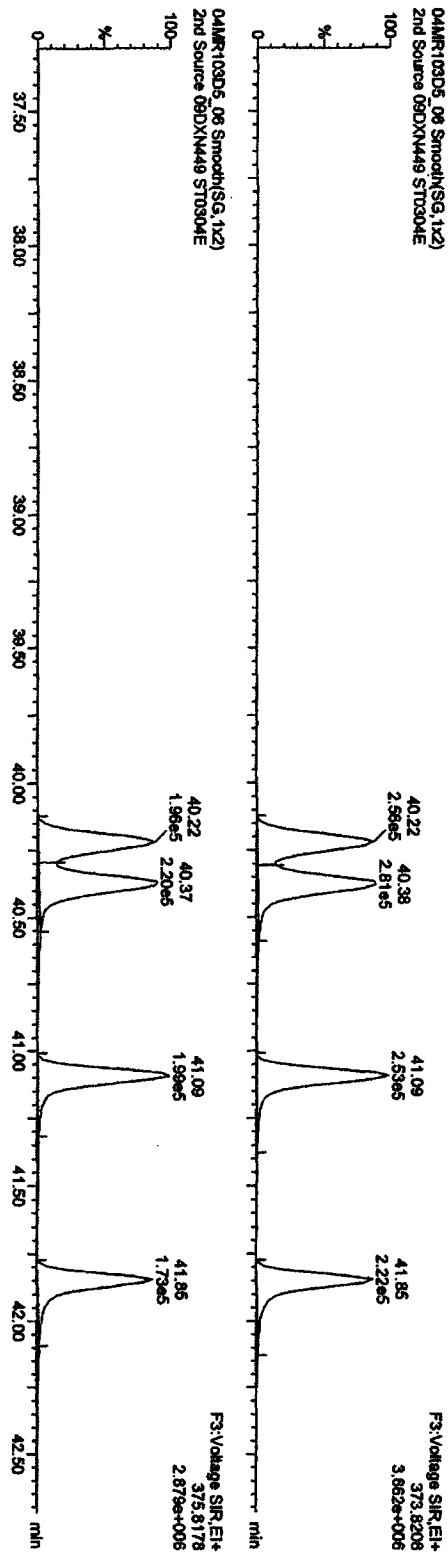


Dataset: C:\MassLynx\UN2010\PROJ04MR103D516132ndSource.qld

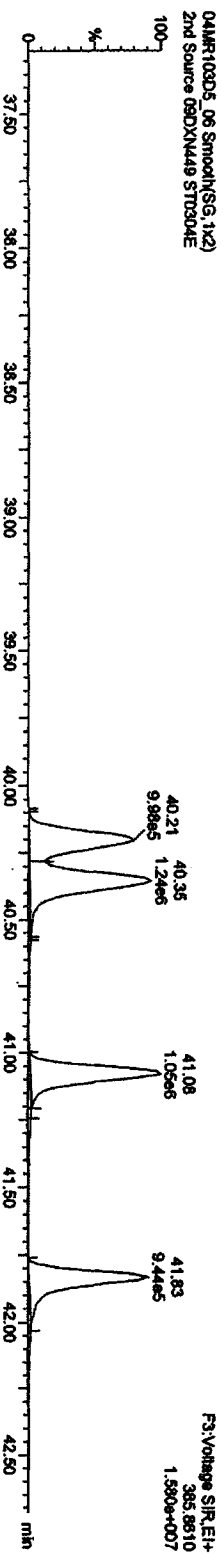
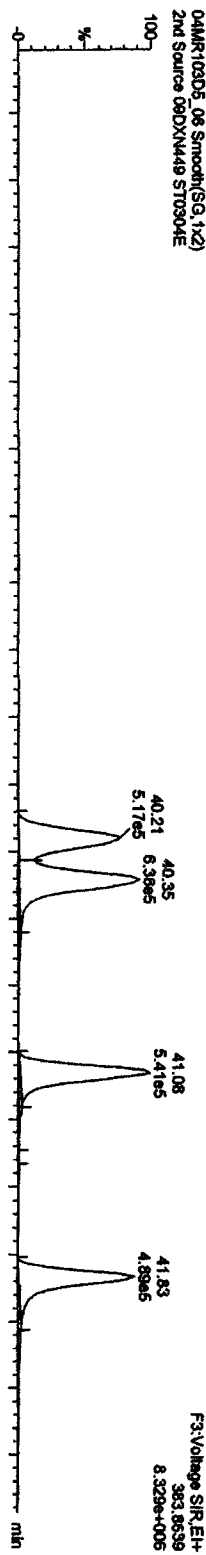
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DDXN449

HxCDFs



13C-HxCDFs



Quantity Sample Report Masslynx 4.1

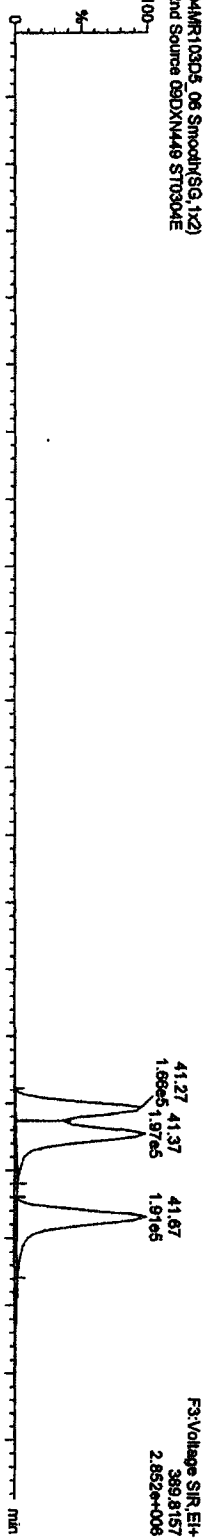
Dataset: C:\MassLynx\LAN2010\PROJ\04MR103D5\16132\2ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

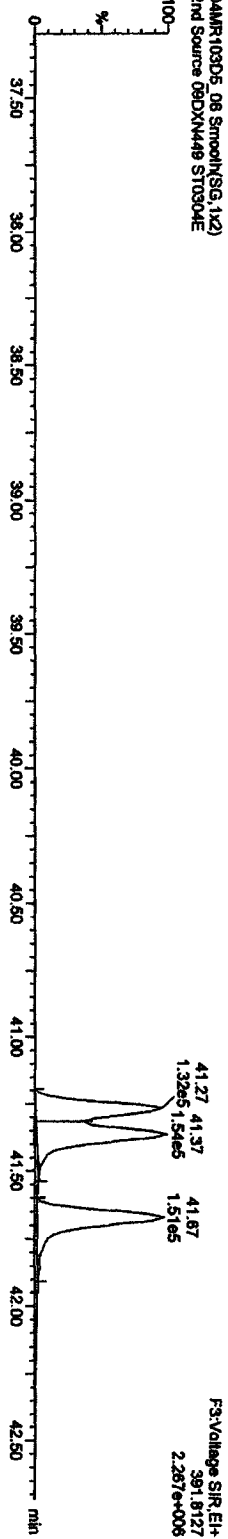
Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 16:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

HxCDDs

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E

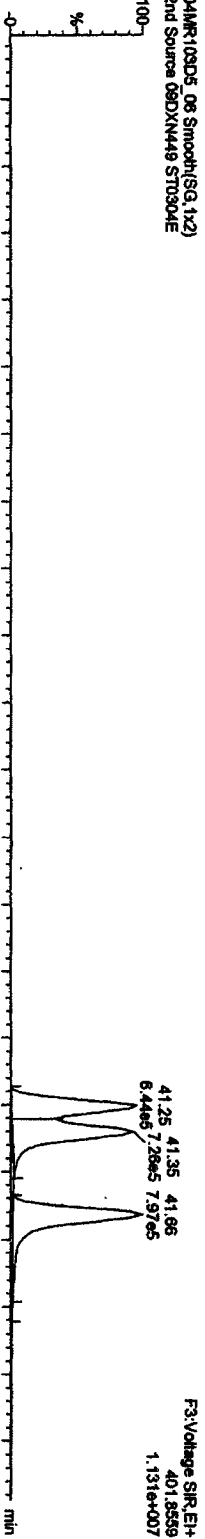


04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E

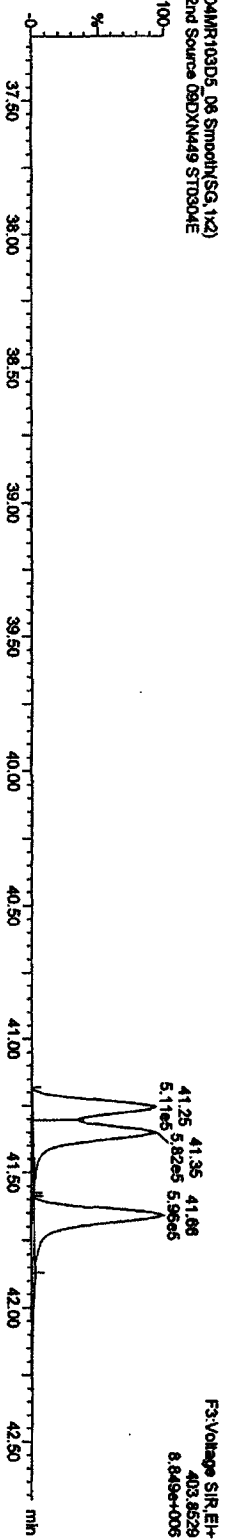


13C-HxCDDs

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



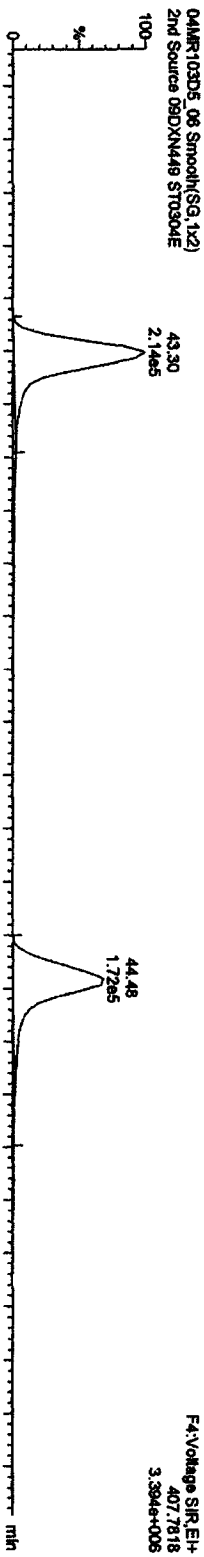
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ\04MR103D516132ndSource.qld

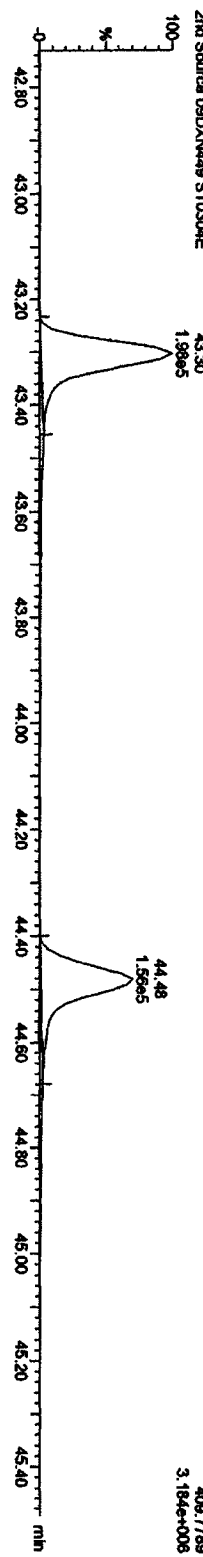
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

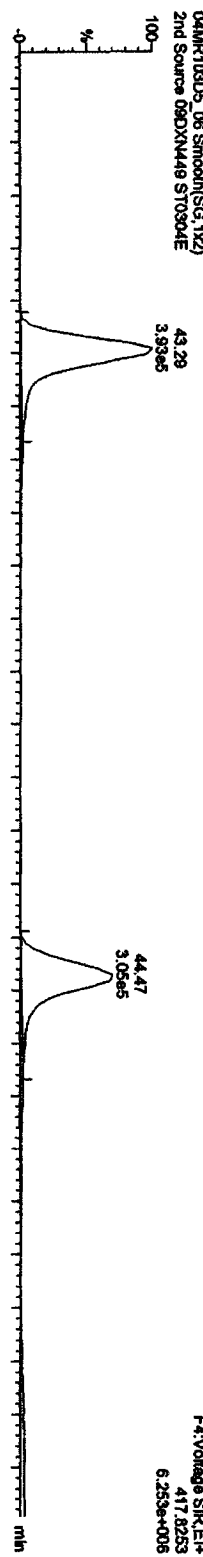
HPCDFs



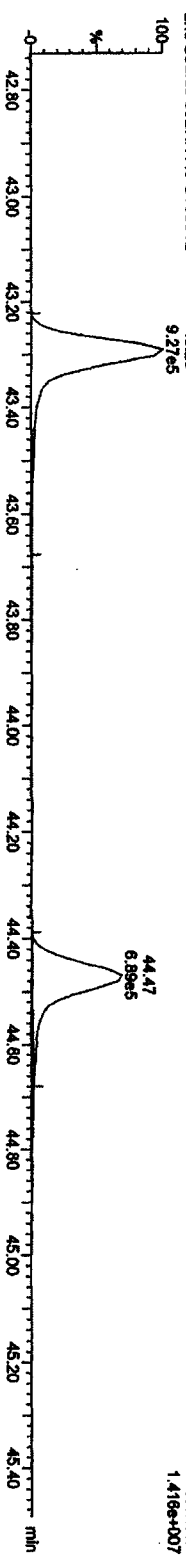
13C-HPCDFs



13C-HPCDFs



13C-HPCDFs



Quantity Sample Report MassLynx 4.1

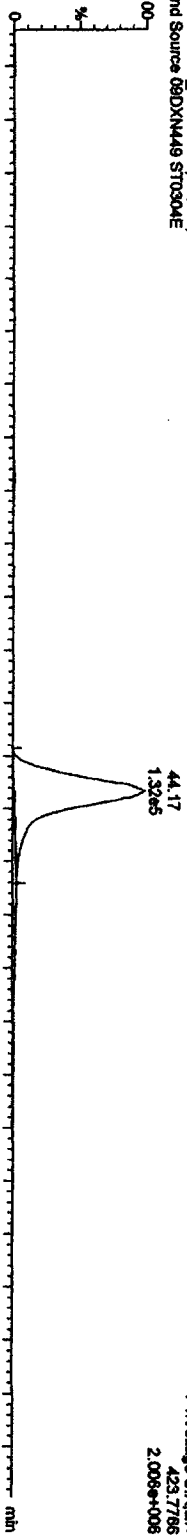
Dataset: C:\MassLynx\LAN2010\PROV\QAMR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

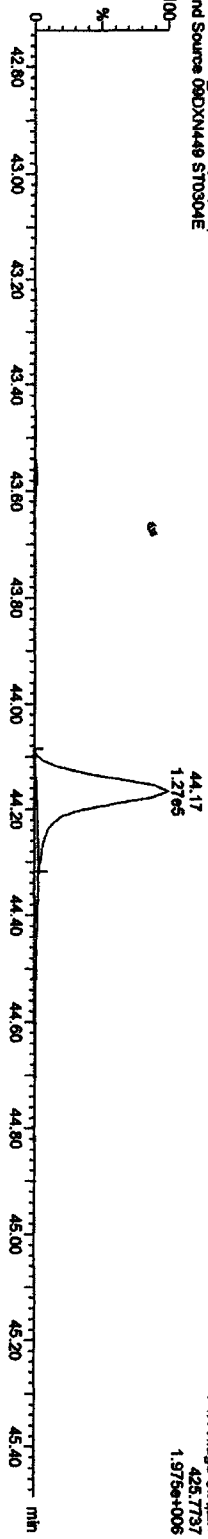
Name: QAMR103D5_06, Date: 04-Mar-2010, Time: 16:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

HpCDDs

QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E

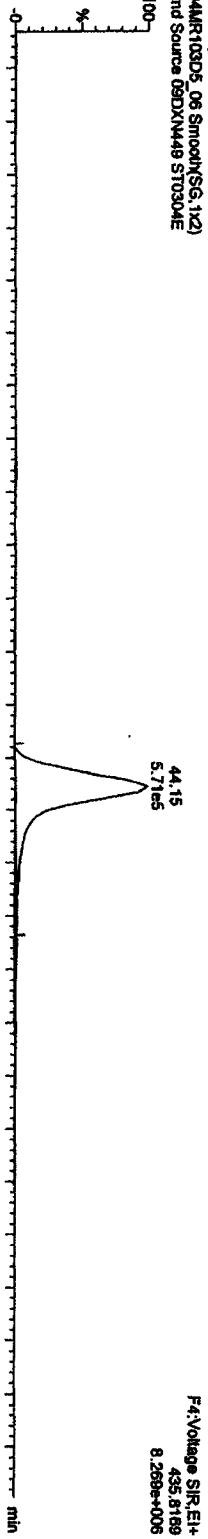


QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E

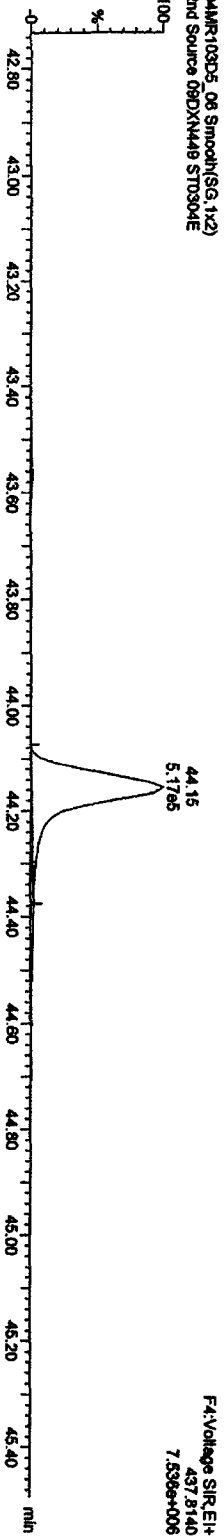


13C-HpCDD

QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



Quantity Sample Report MassLynx 4.1

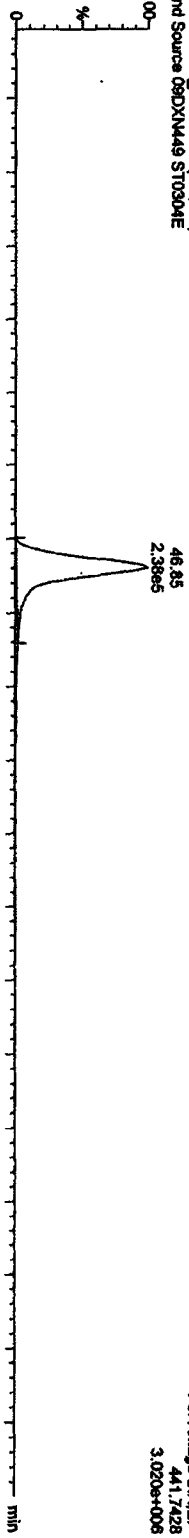
Dataset: C:\MassLynx\JAN2010\PROJ04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

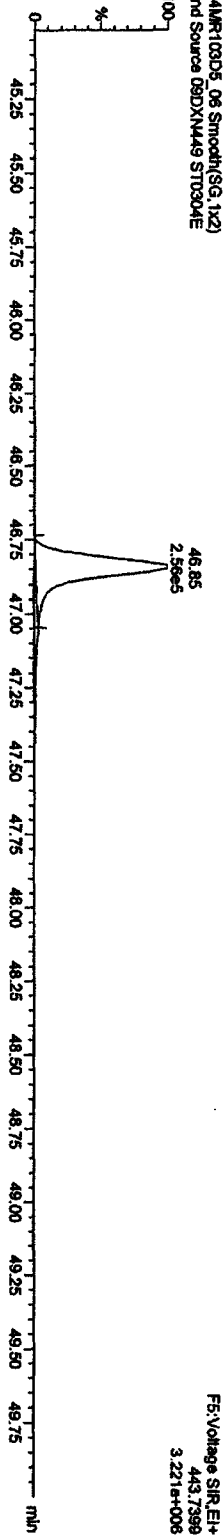
Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

OCDFs

04MR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E

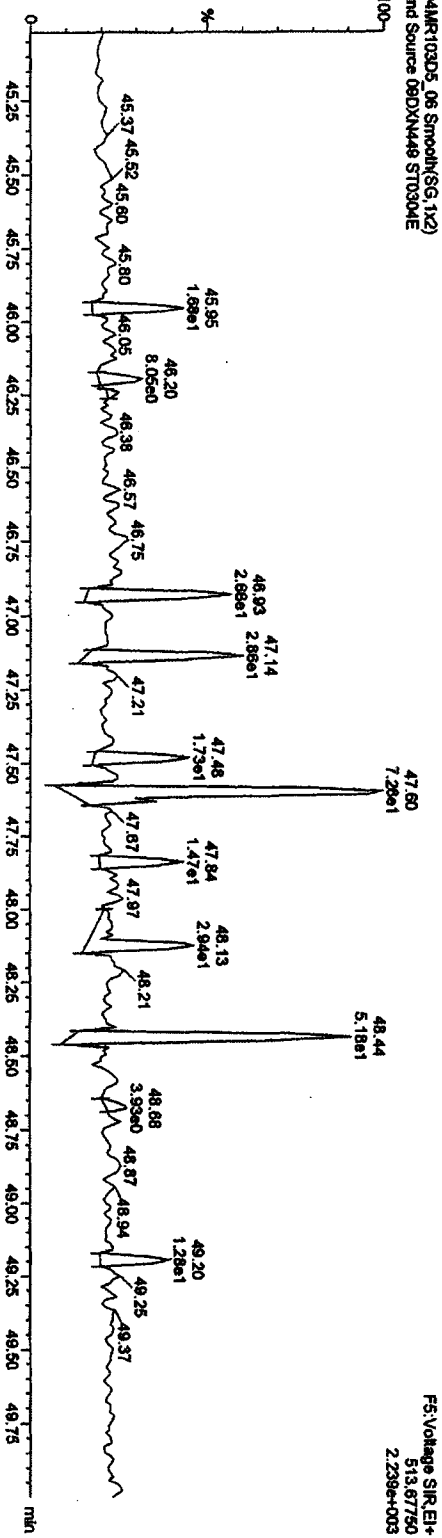


04MR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



OCDF PCDPE

04MR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



Quantity Sample Report MassLynx 4.1

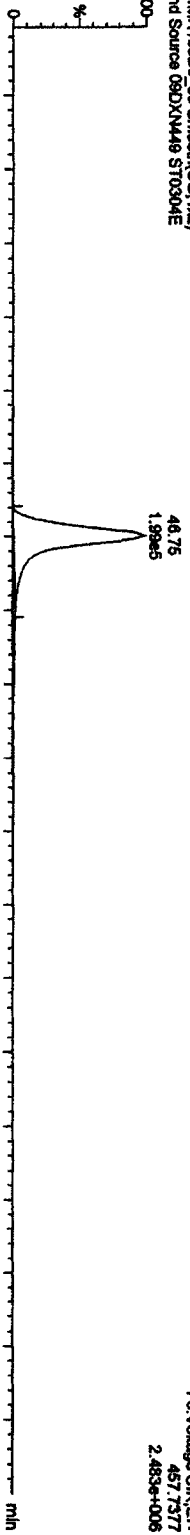
Dataset: C:\MassLynx\JAN2010\PROV\QAMR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

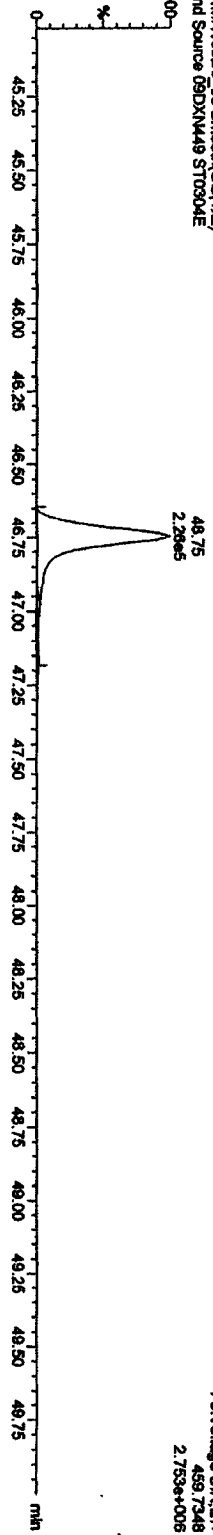
Name: QAMR103D5_06, Date: 04-Mar-2010, Time: 16:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

OCDD

QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E

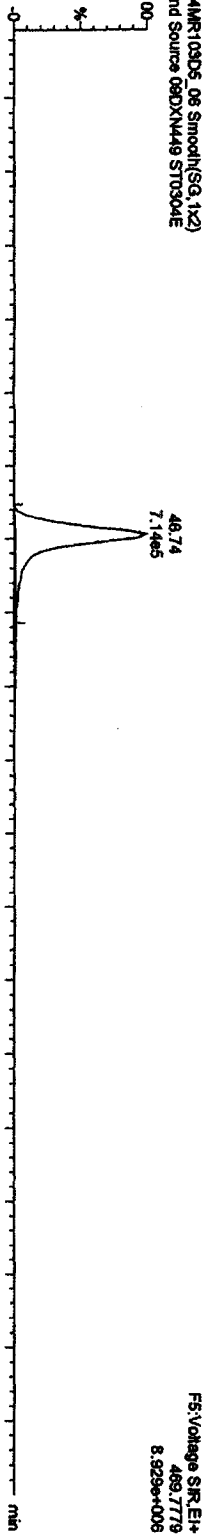


QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E

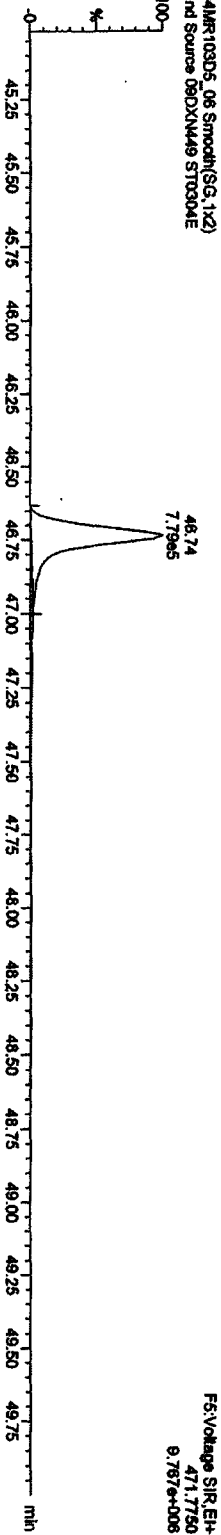


13C-OCDD

QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



QAMR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



Quantity Sample Report MassLynx 4.1

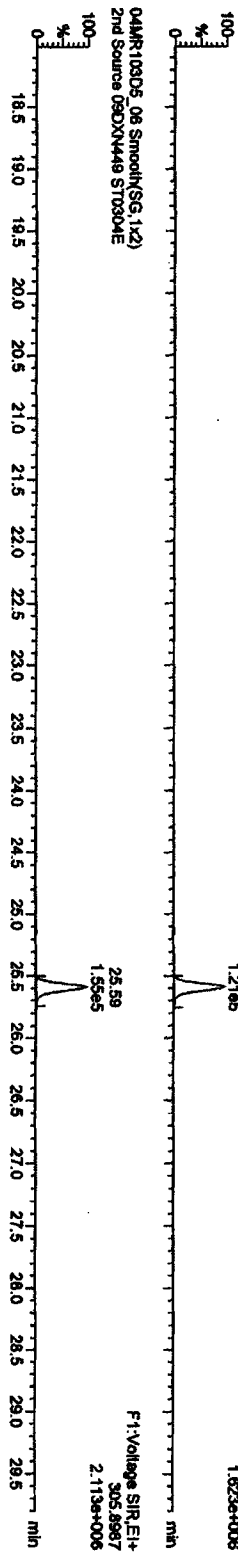
Dataset: C:\MassLynx\LAN2010\PROJ04MR103D516132\2ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 16:27:01, ID: ST0304E, Description: 2nd Source 09DXM449

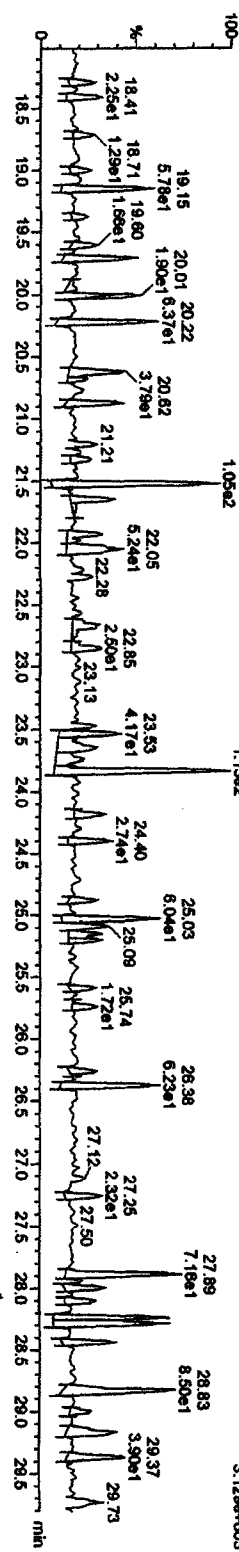
TCDFs

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXM449 ST0304E



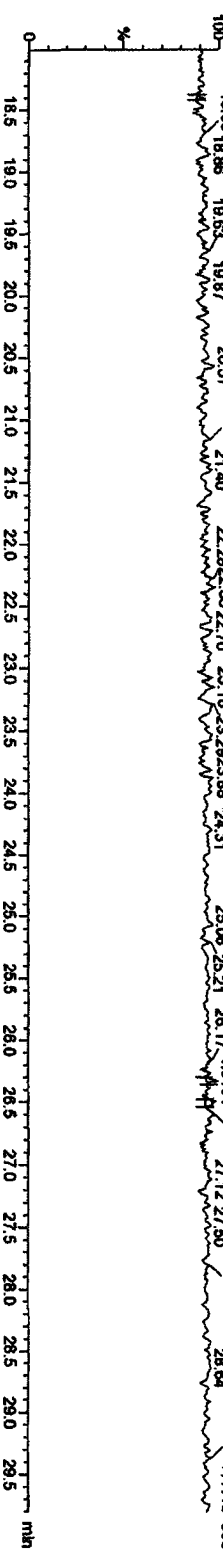
TCDF PCDFE

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXM449 ST0304E



Function 1 PFK

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXM449 ST0304E



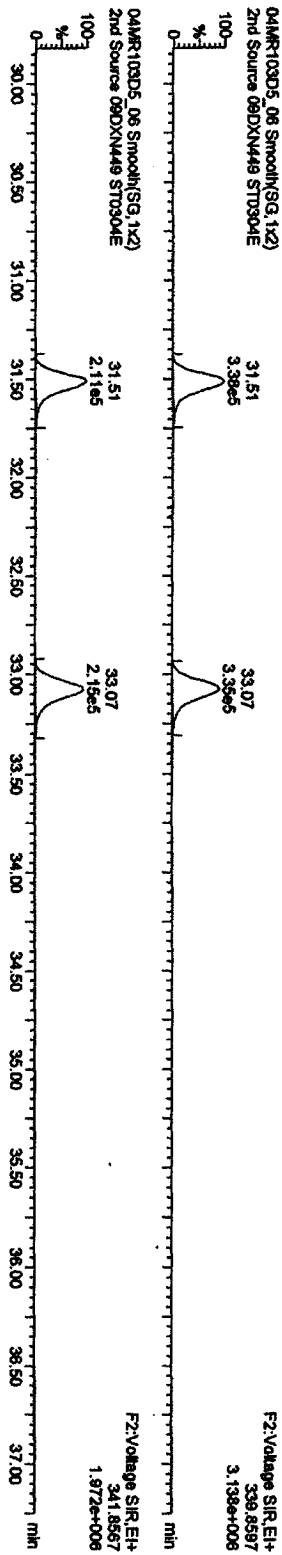
Quantify Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UN2010\PROV\QMR103D516132\2ndSource.qld

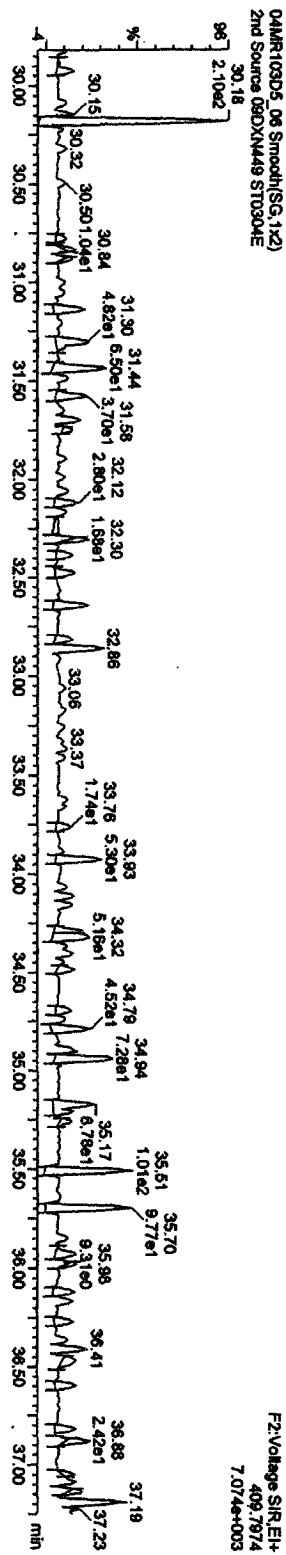
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: QMR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

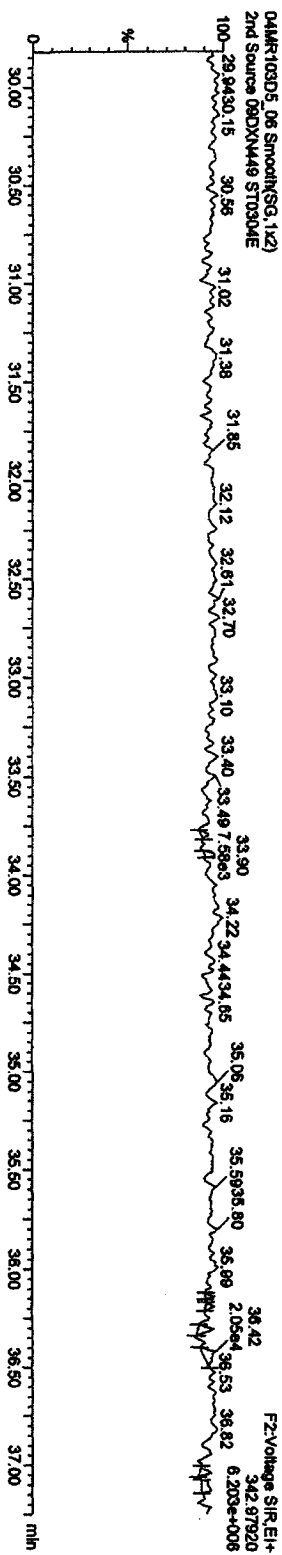
PcCDF



F2 PcCDF PCDFE



Function 2 PFK



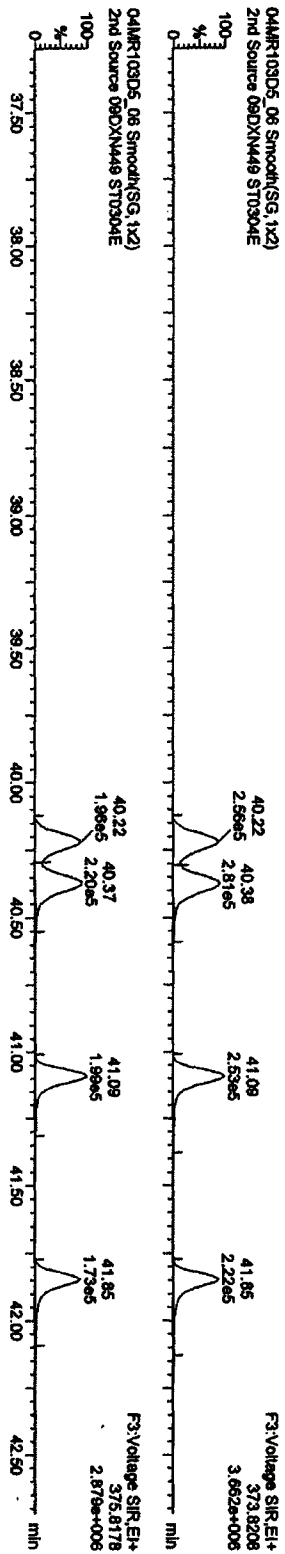
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\AN2010\PROV\Q4MR103D516132\2ndSource.qld

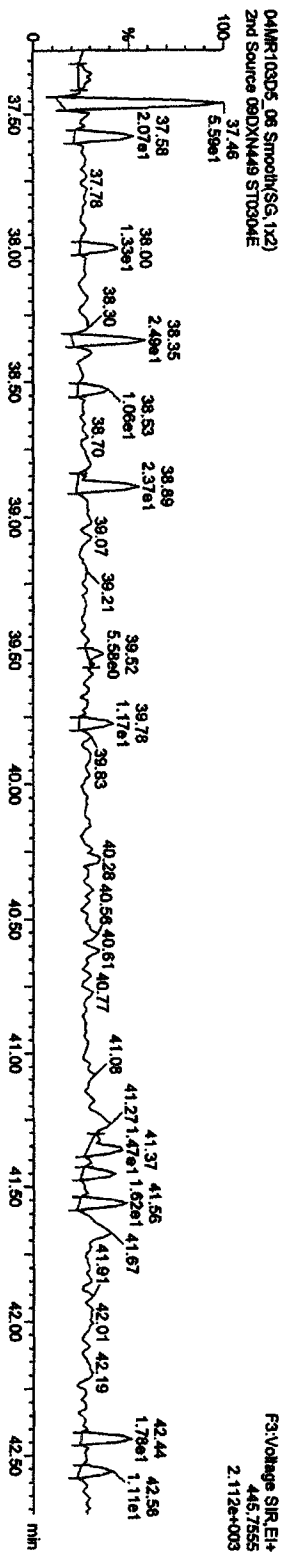
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: Q4MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

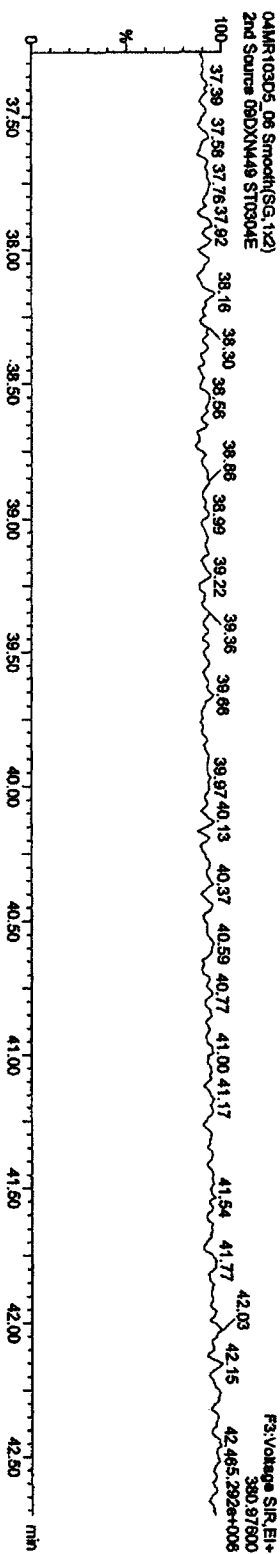
HxCDFs



HxCDF PCDFE



Function 3 PFK



Quantity Sample Report Masslynx 4.1

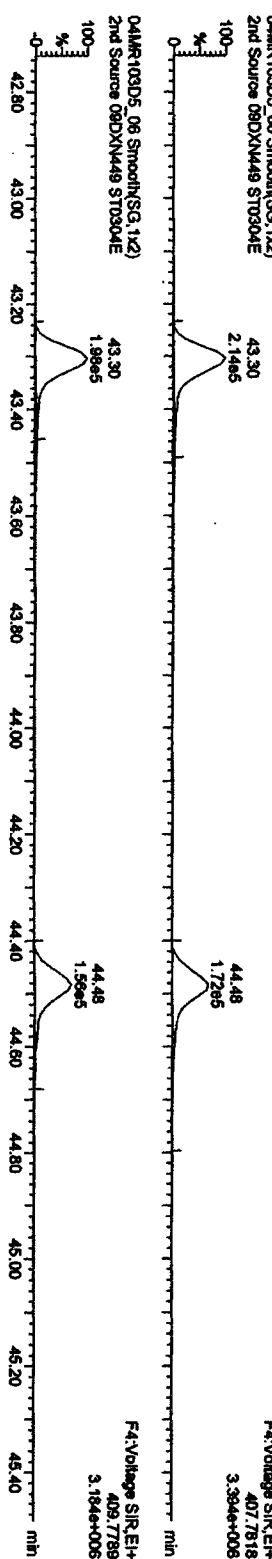
Dataset: C:\Masslynx\UNAN2010\PROV04MR103D516132ndSource.dfid

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 16:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

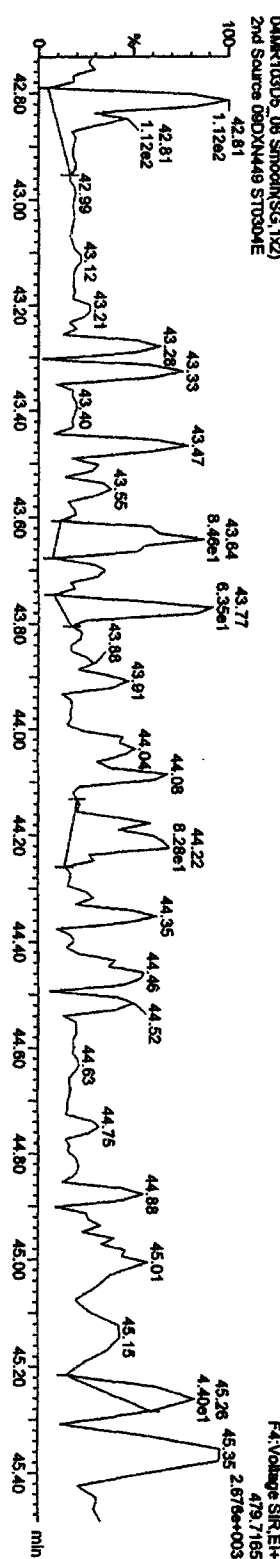
HPCDFs

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



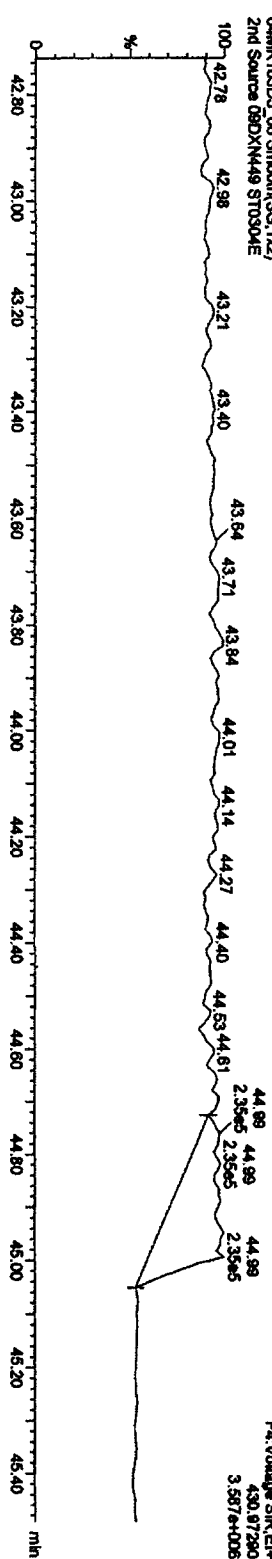
HPCDF PCDPE

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



Function 4 PFK

04MR103D5_06 Smooth(SG, 1x2)
2nd Source 09DXN449 ST0304E



Quantity Sample Report MassLynx 4.1

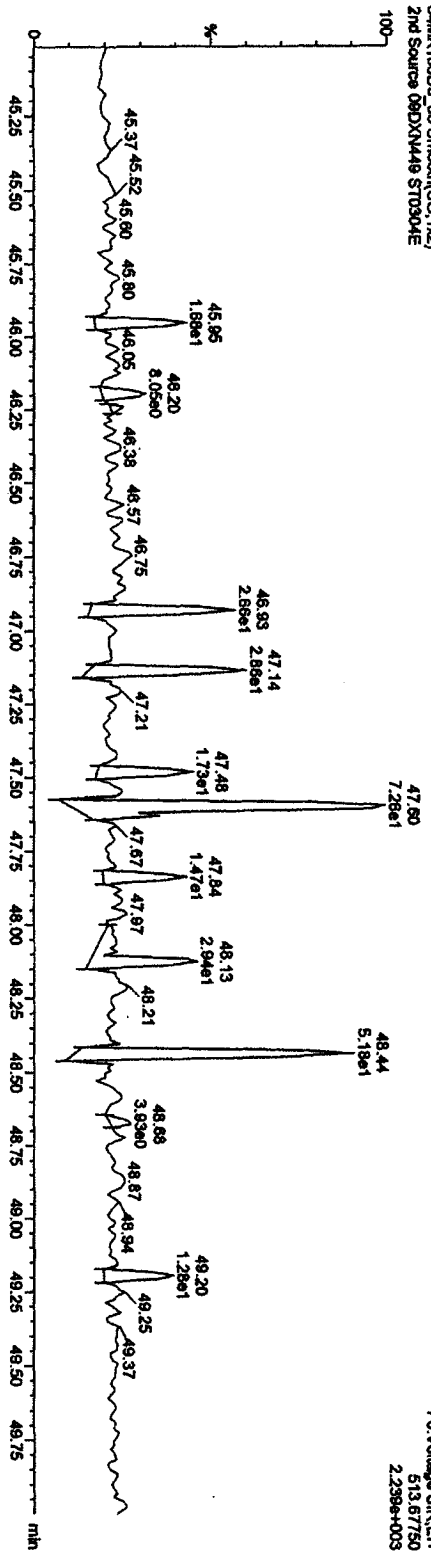
Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

OCDF PCDDPE

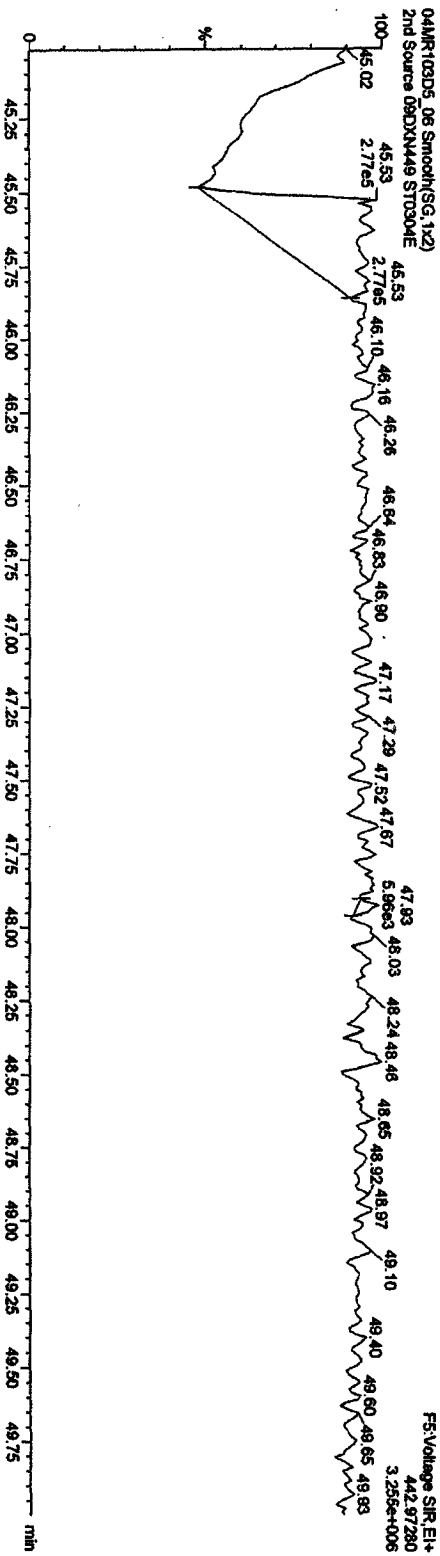
04MR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



FS: Voltage SIR: EI+
513.67750
2.239e+003

Function 5 PFK

04MR103D5_06 Smooth(SG,1x2)
2nd Source 09DXN449 ST0304E



FS: Voltage SIR: EI+
442.97280
3.256e+006

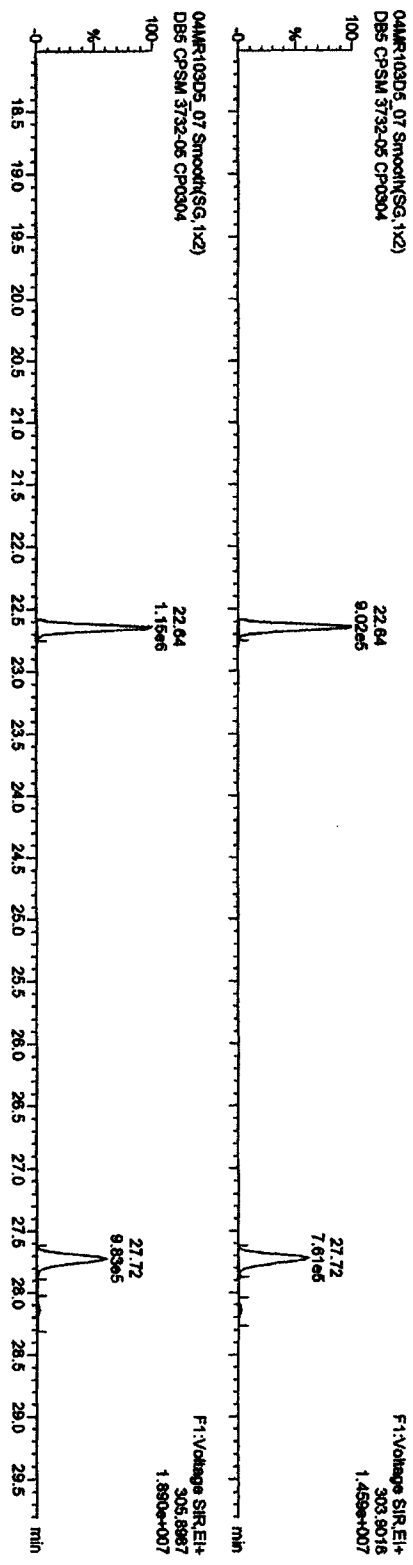
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ\04MR103D5\16132ndsSource.qld

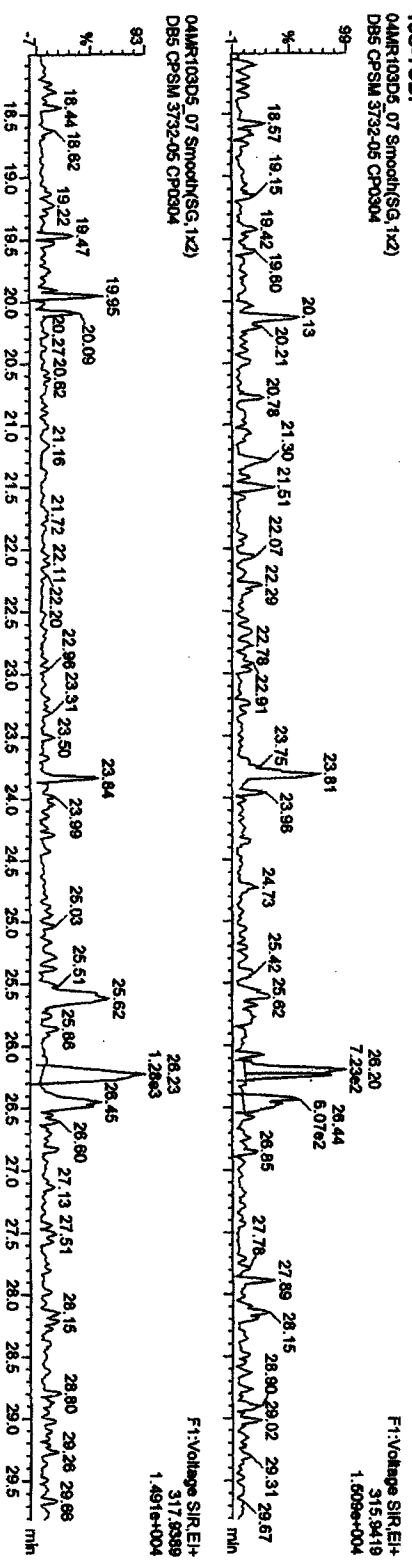
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Method: C:\MassLynx\JAN2010\PROJ\Meth\DB16132D5\OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: C:\MassLynx\JAN2010\PROJ\Curve\DB16132D5\OCDD25.cdb 04 Mar 2010 15:31:45
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

TCDFs



13C-TCDF



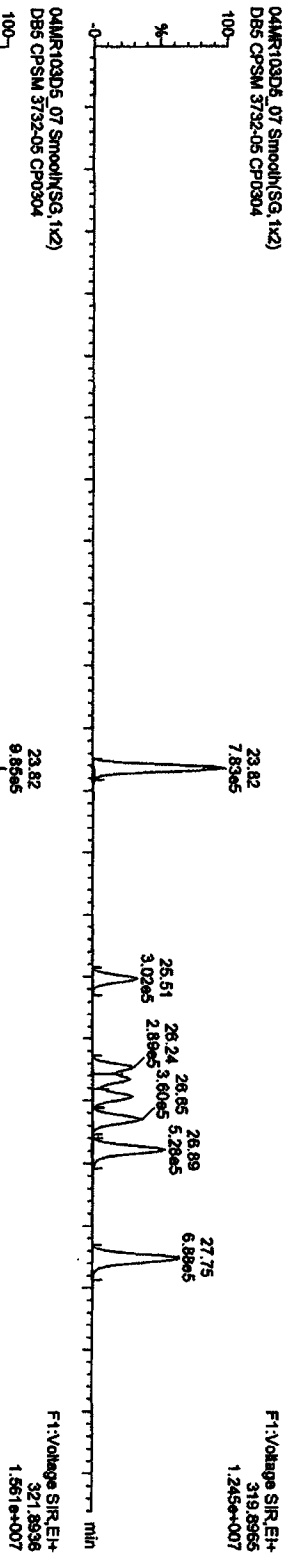
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\04MR103D516132ndSource.qld

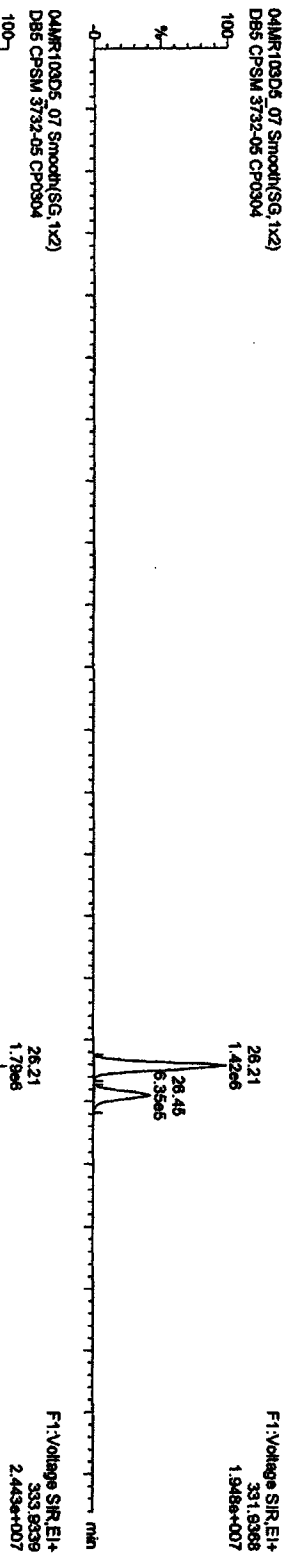
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:39 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

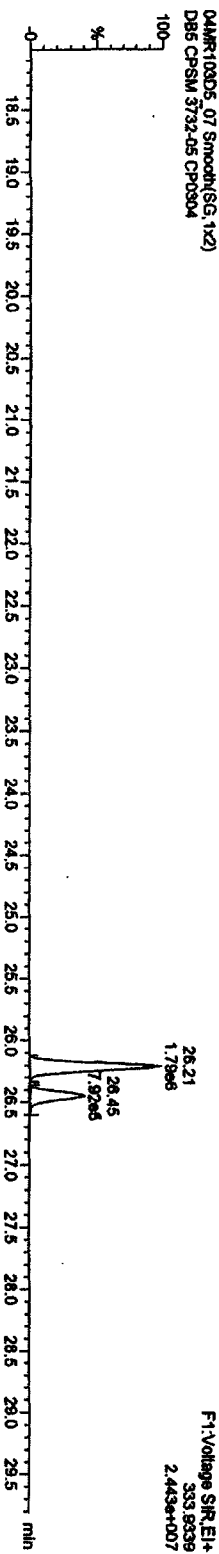
TCDDs



13C-TCDDs



13C-TCDDs

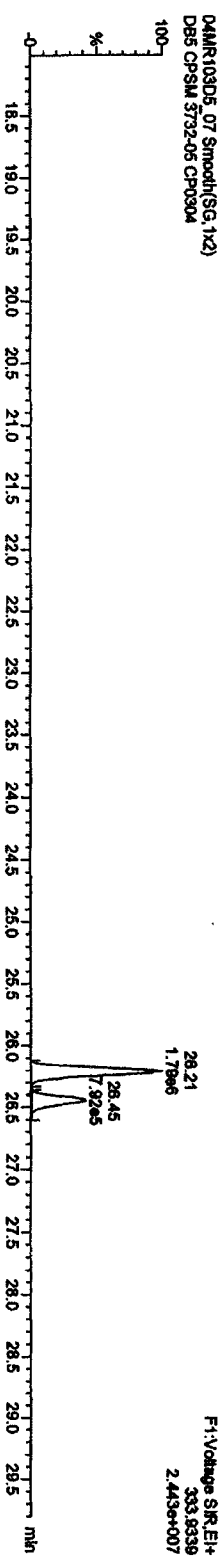


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:36 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05



Quantity Sample Report Masslynx 4.1

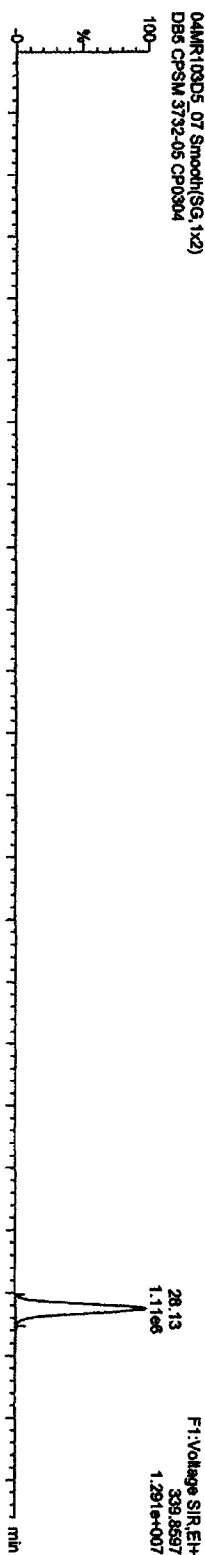
Dataset: C:\Masslynx\JAN2010\PROV\04MR103D516132\ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

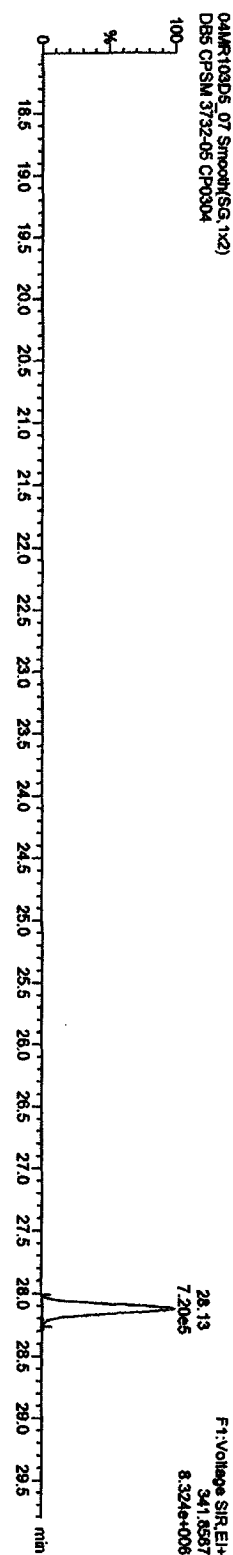
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CFSM 3732-05

F1 PCDPEs

04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304

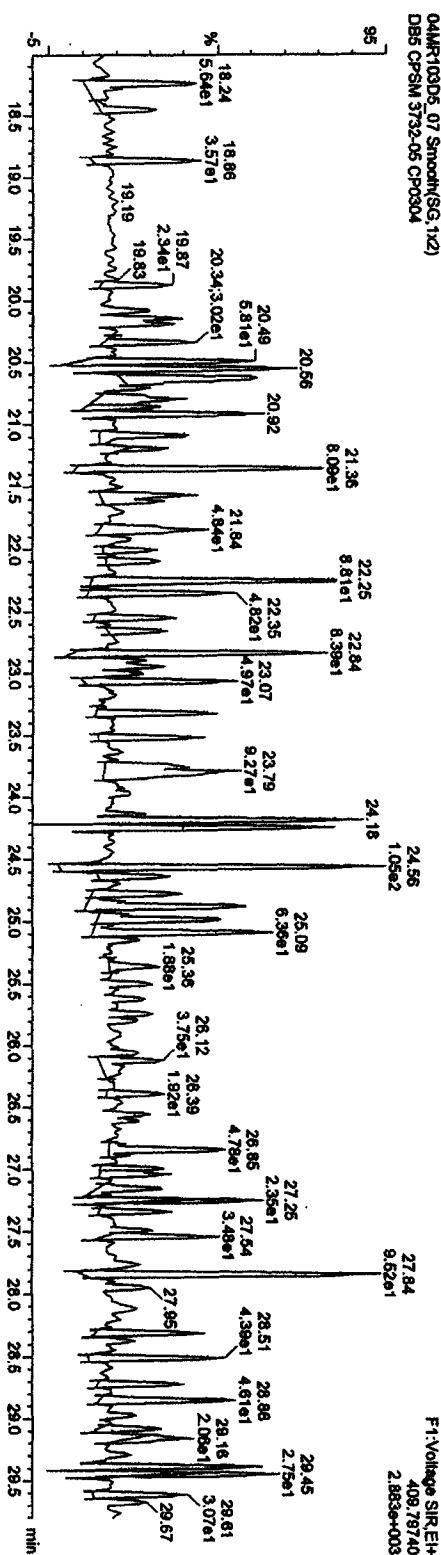


04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



F1 PCDPE PCDPE

04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



Quantity Sample Report MassLynx 4.1

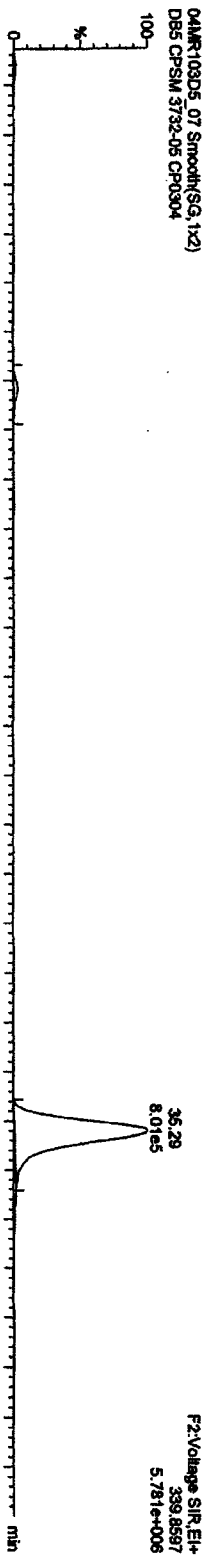
Dataset: C:\MassLynx\UAN2010\PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

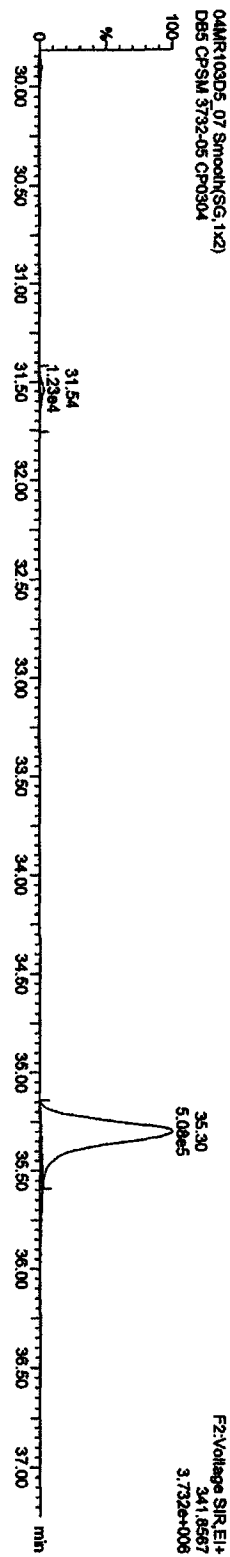
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

PaCDFs

04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304

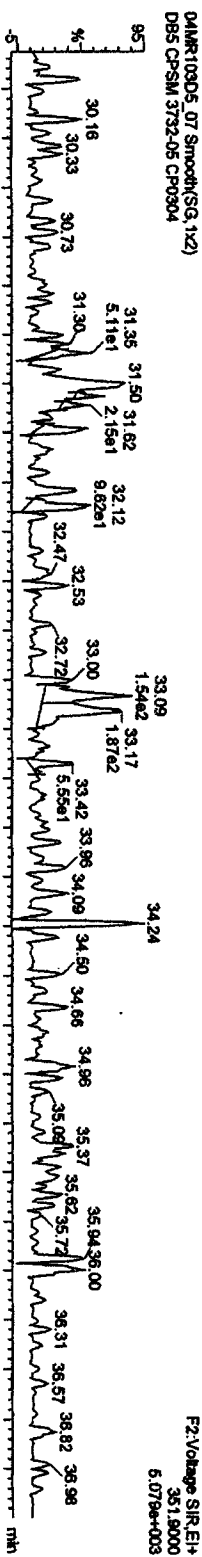


04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304

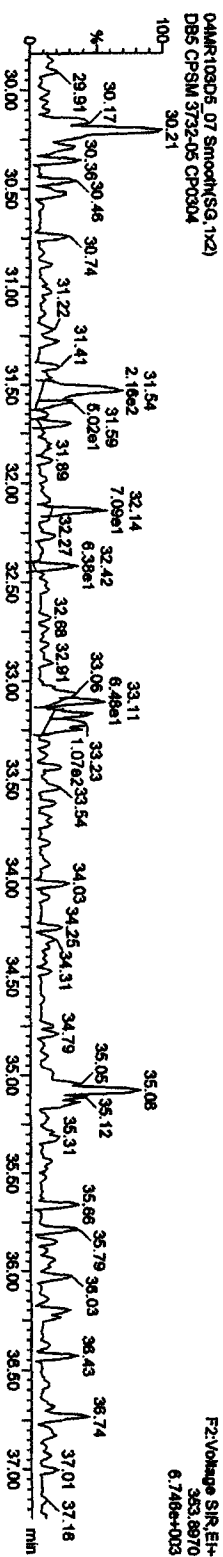


13C-PeCDFs

04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304



04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304



Quantity Sample Report MassLynx 4.1

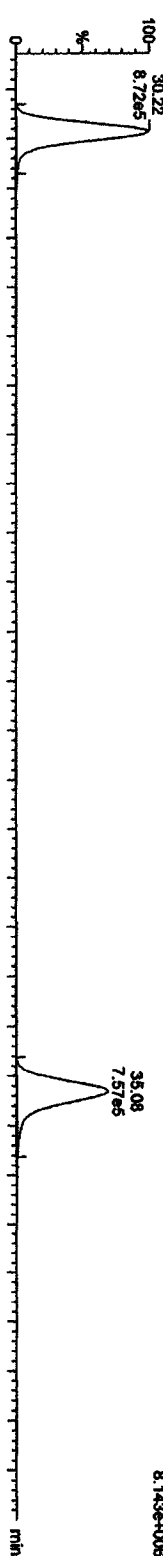
Dataset: C:\MassLynx\LAN2010\PROV04MR103D516132ndSource.qid

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

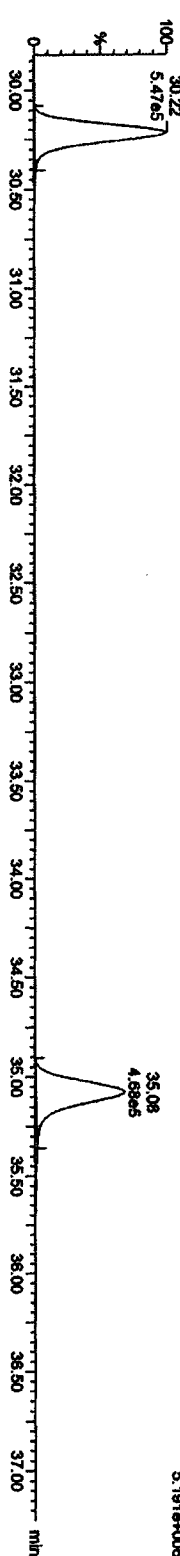
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

PcDDs

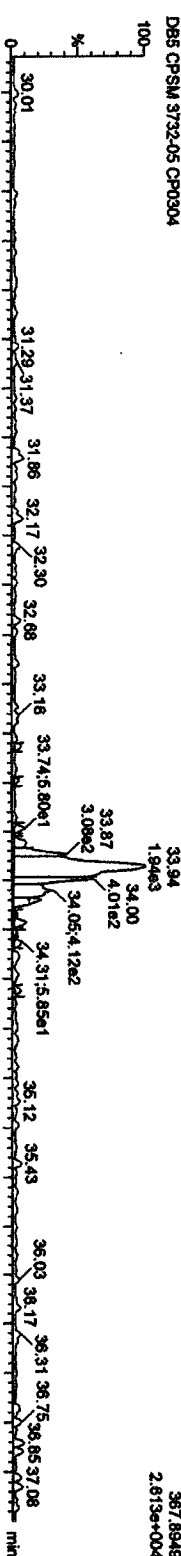
04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304



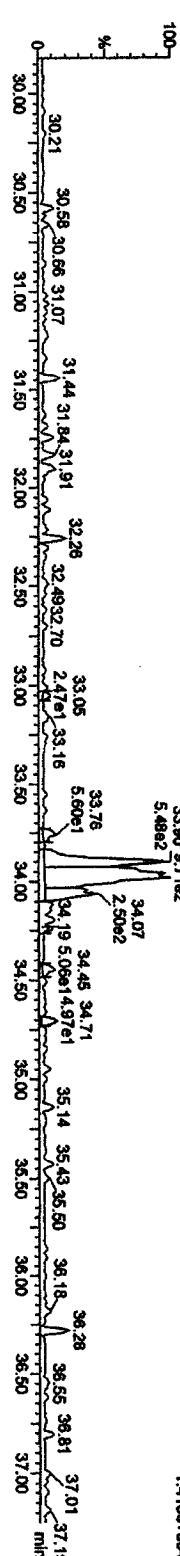
04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304



04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304



04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304

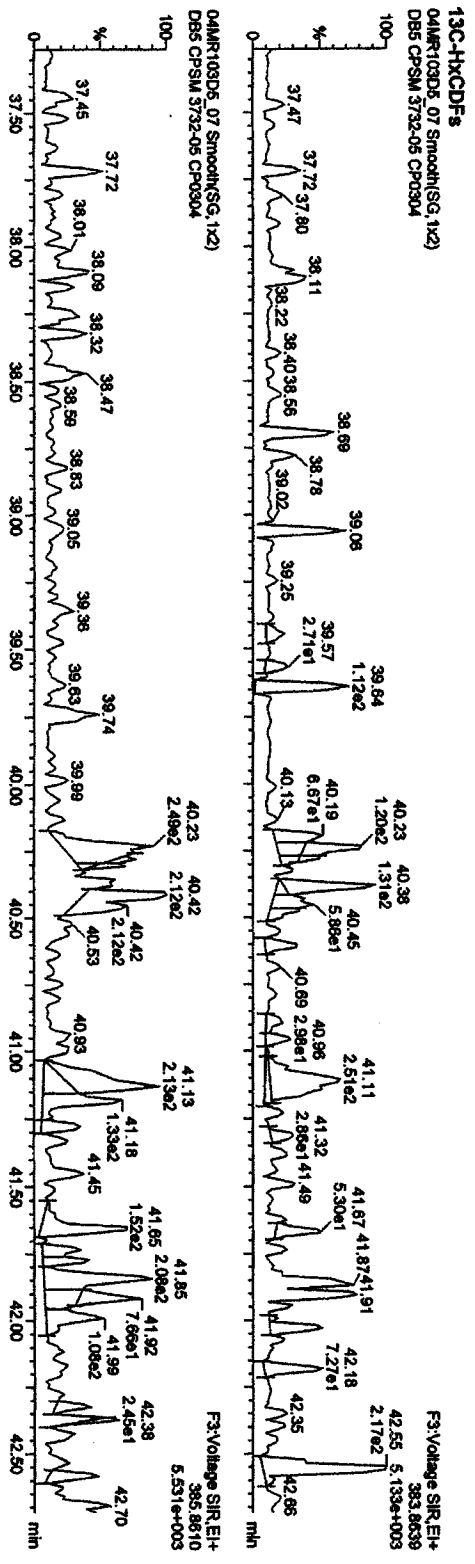
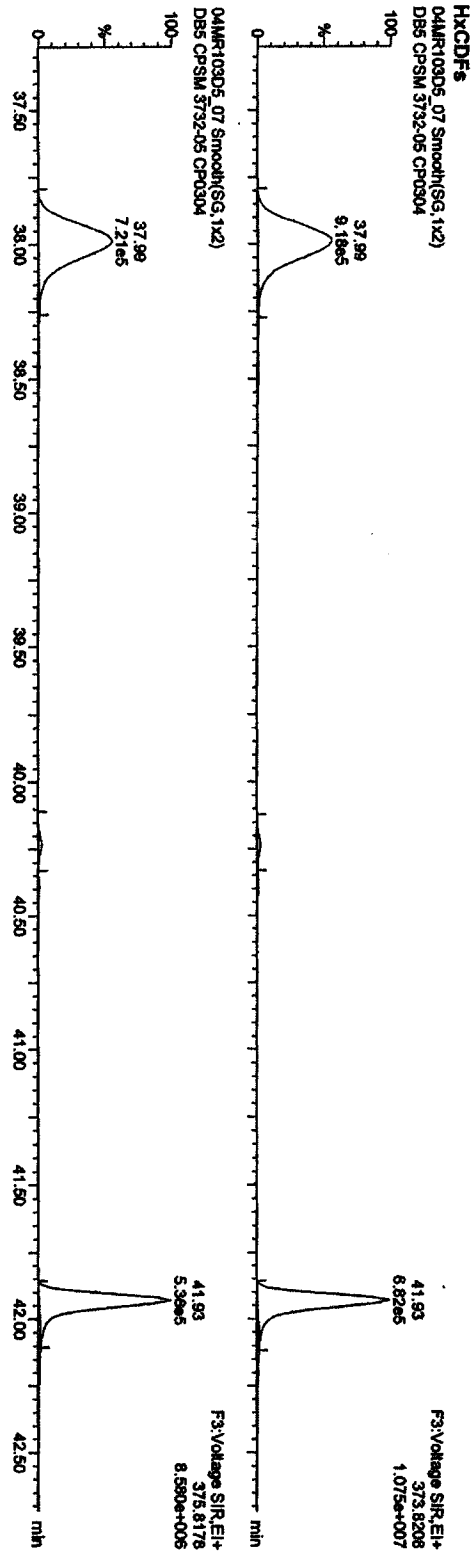


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROLDAMR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CFSM 3732-05



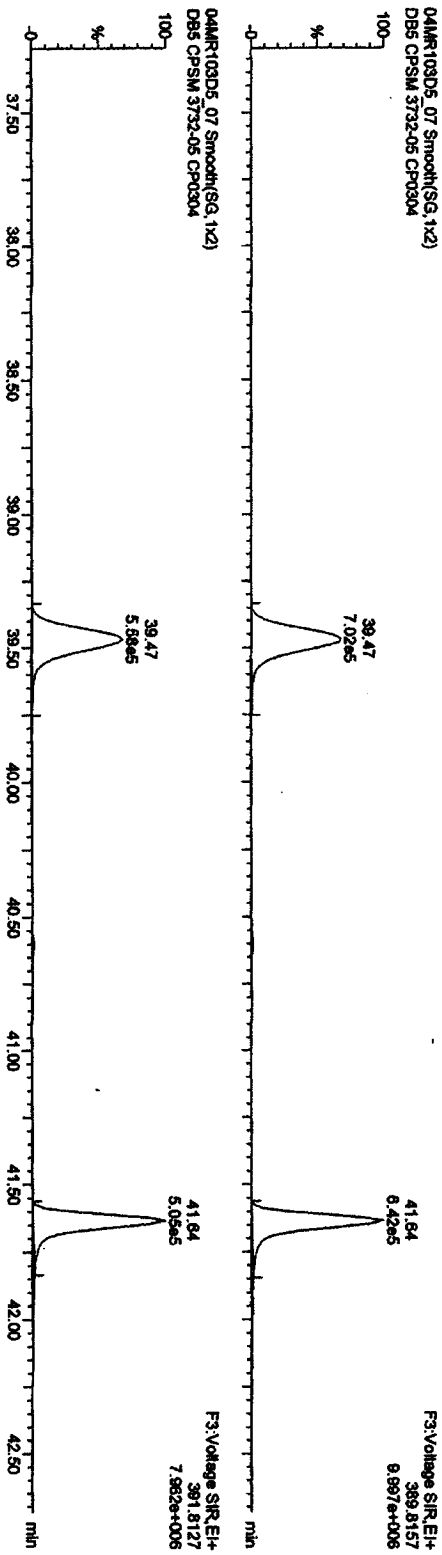
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\04MR103D516132ndSource.qld

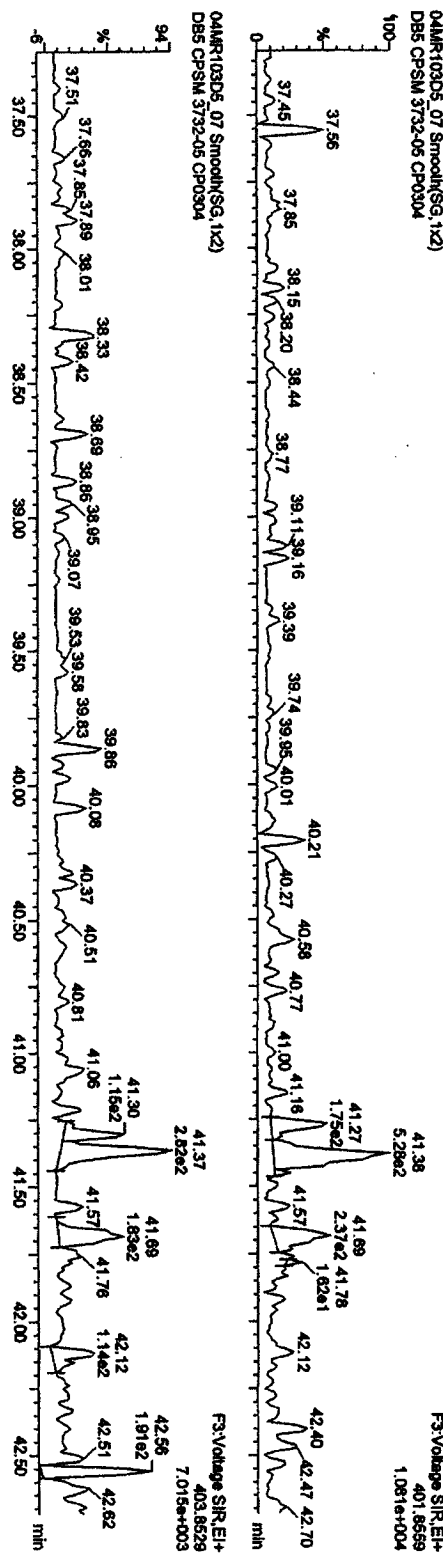
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

HxCDDs



13C-HxCDDs



Quantity Sample Report Masslynx 4.1

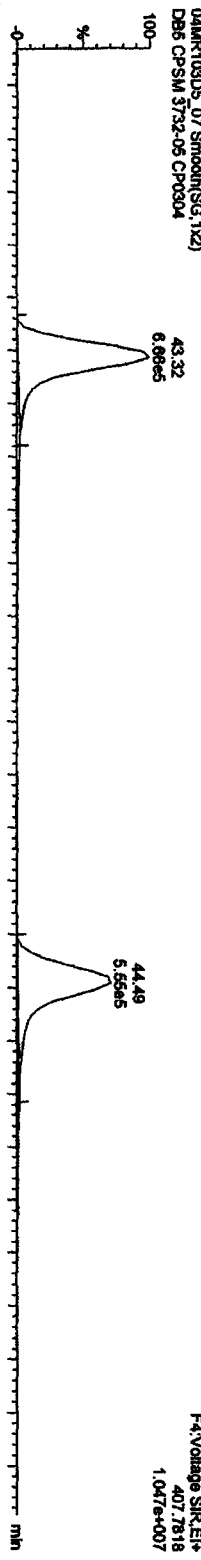
Dataset: C:\Masslynx\JAN2010\PROJ04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

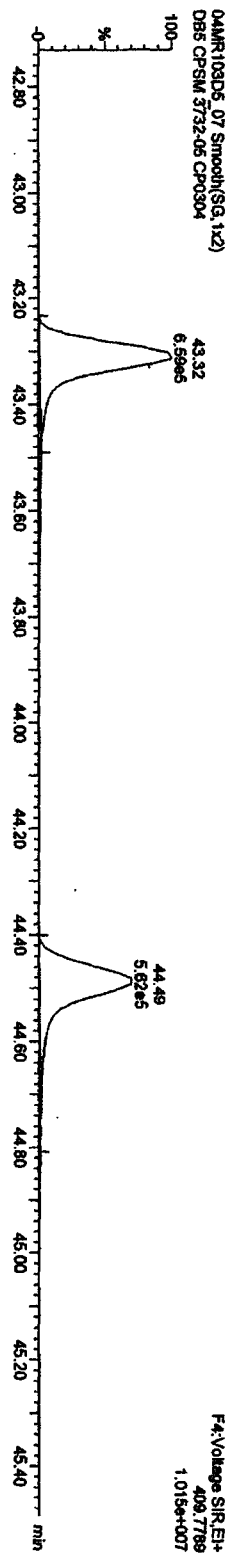
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB6 CPSM 3732-05

HpCDFs

04MR103D5_07 Smooth(SG,1x2)
DB6 CPSM 3732-05 CP0304

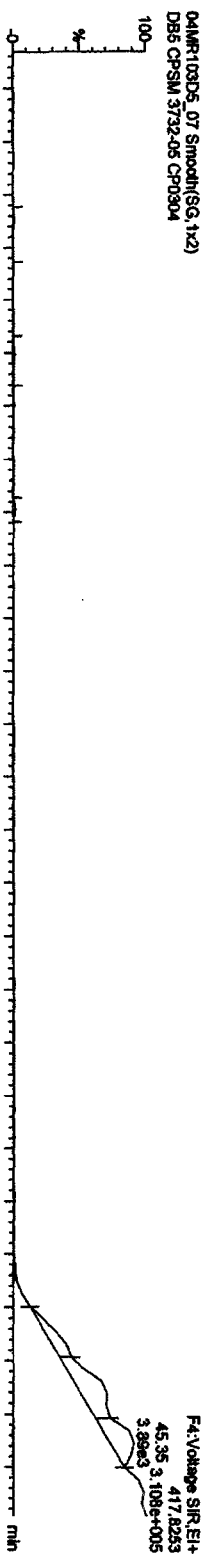


04MR103D5_07 Smooth(SG,1x2)
DB6 CPSM 3732-05 CP0304

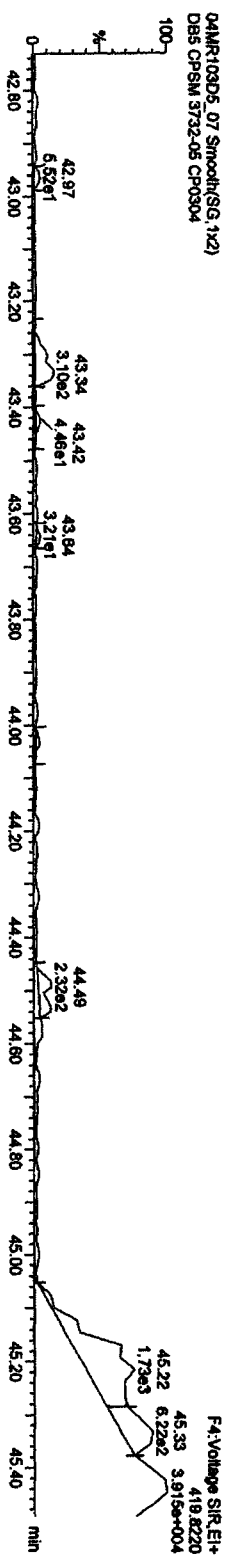


13C-HpCDFs

04MR103D5_07 Smooth(SG,1x2)
DB6 CPSM 3732-05 CP0304



04MR103D5_07 Smooth(SG,1x2)
DB6 CPSM 3732-05 CP0304



Quantity Sample Report Masslynx 4.1

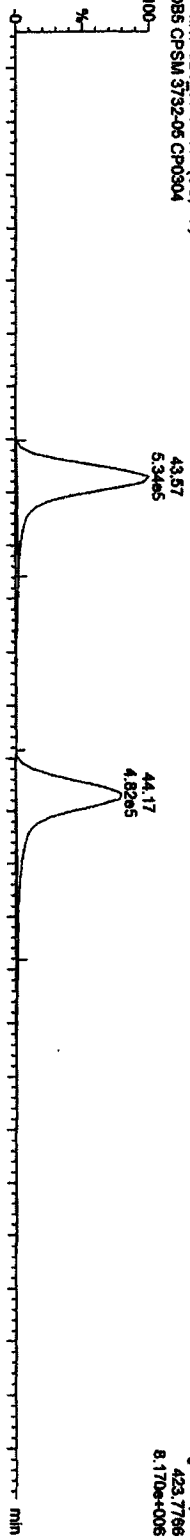
Dataset: C:\Masslynx\JAN2010\PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CFSM 3732-05

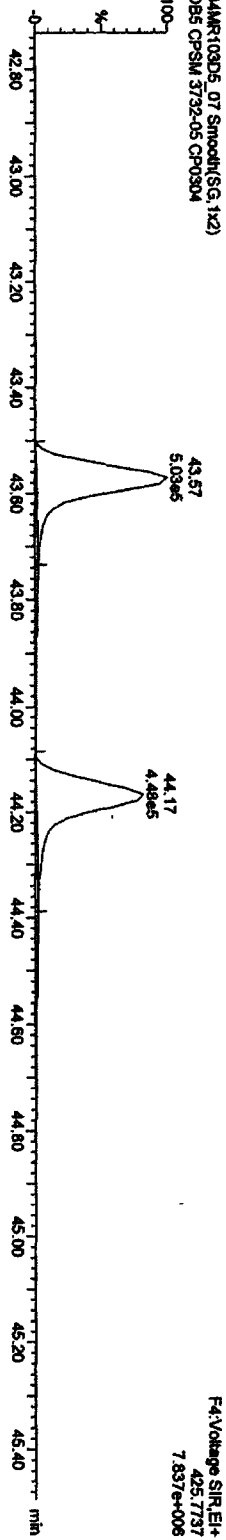
HPCDDs

04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



F4:Voltage SIR_EI+
423.7768
8.170e+006

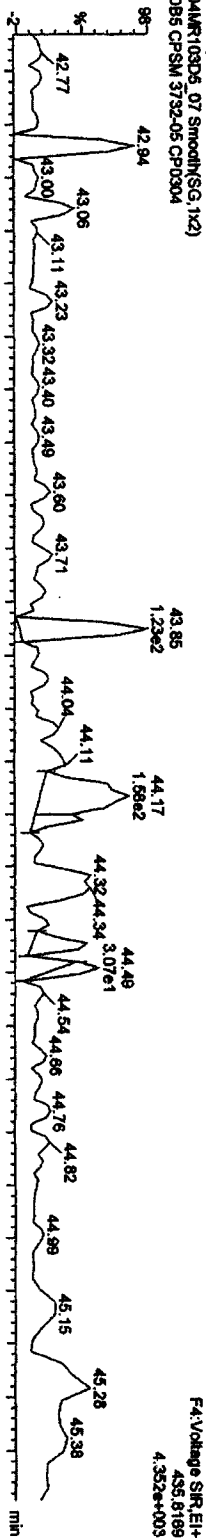
04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



F4:Voltage SIR_EI+
425.7737
7.837e+006

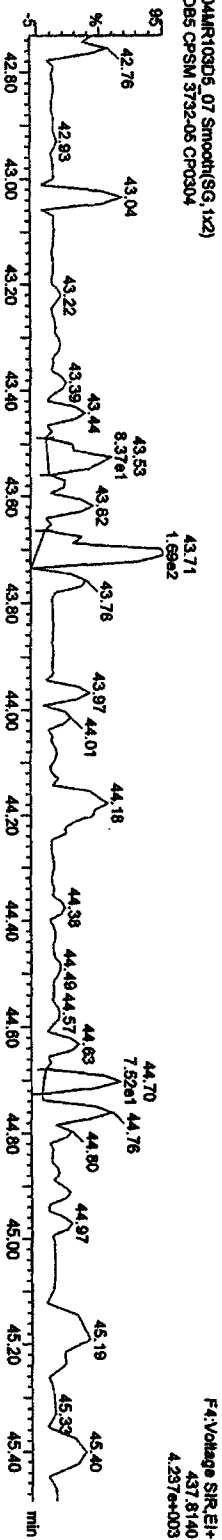
13C-HPCDD

04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



F4:Voltage SIR_EI+
435.8189
4.352e+003

04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



F4:Voltage SIR_EI+
437.8140
4.297e+003

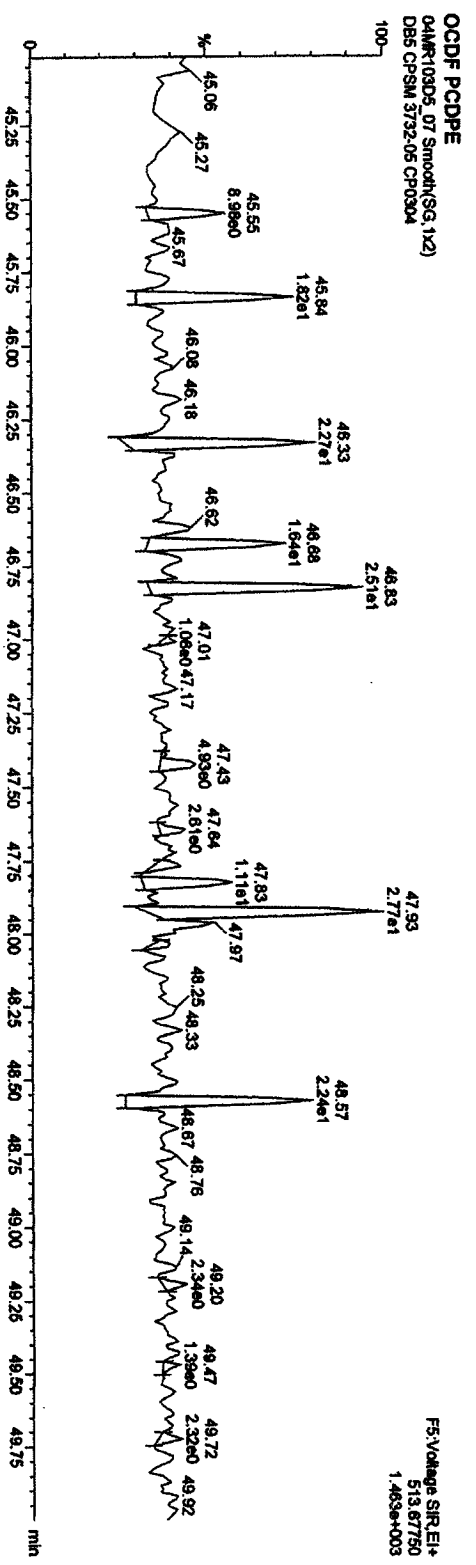
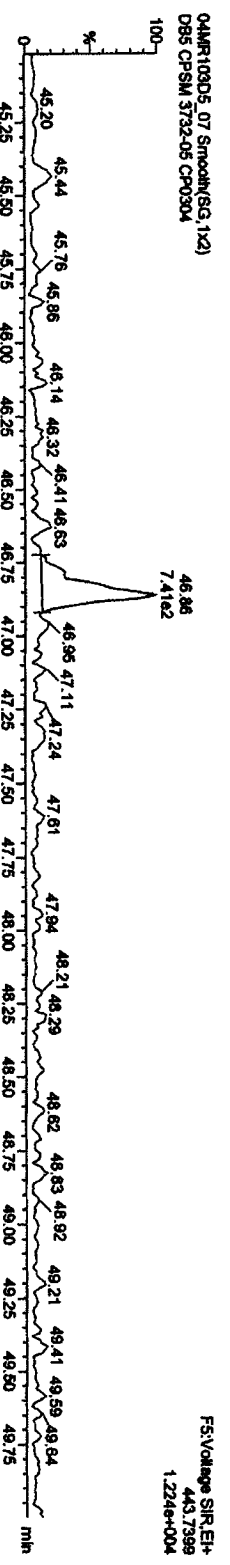
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\AN2010\PROV04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time

Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CFSM 3732-05



Quantity Sample Report MassLynx 4.1

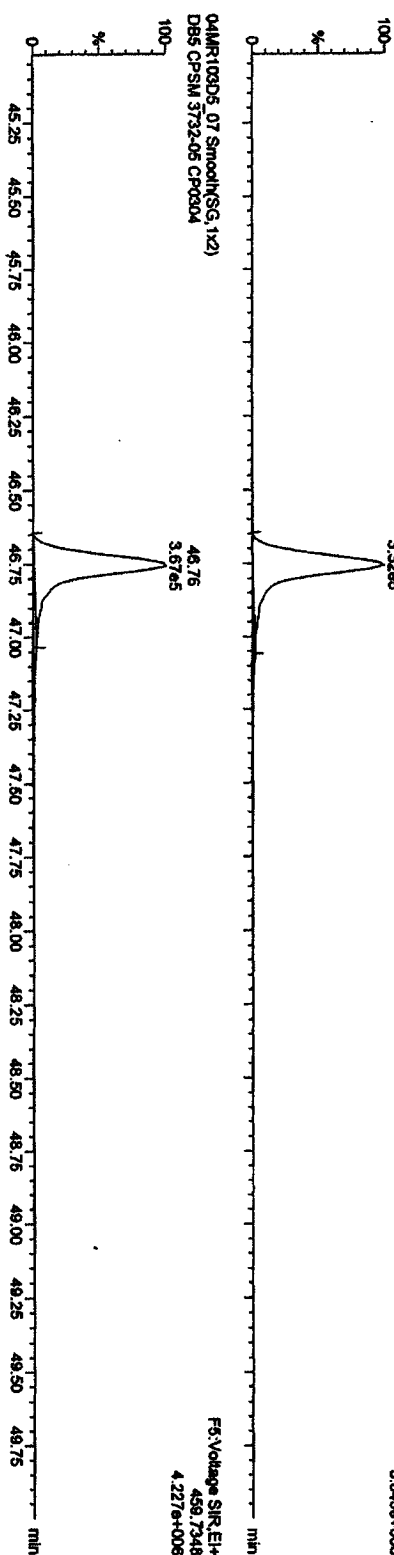
Dataset: C:\MassLynx\JAN2010\PROJ\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CFSM 3732-05

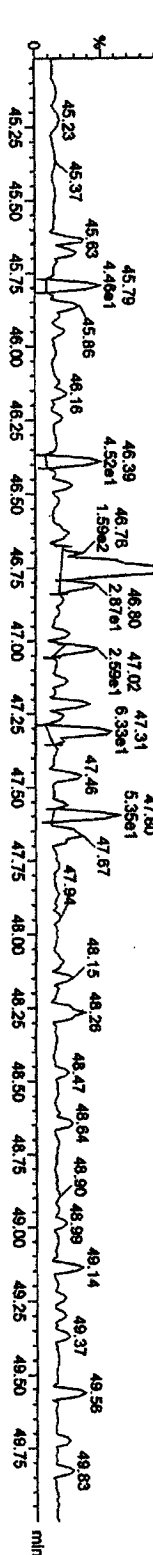
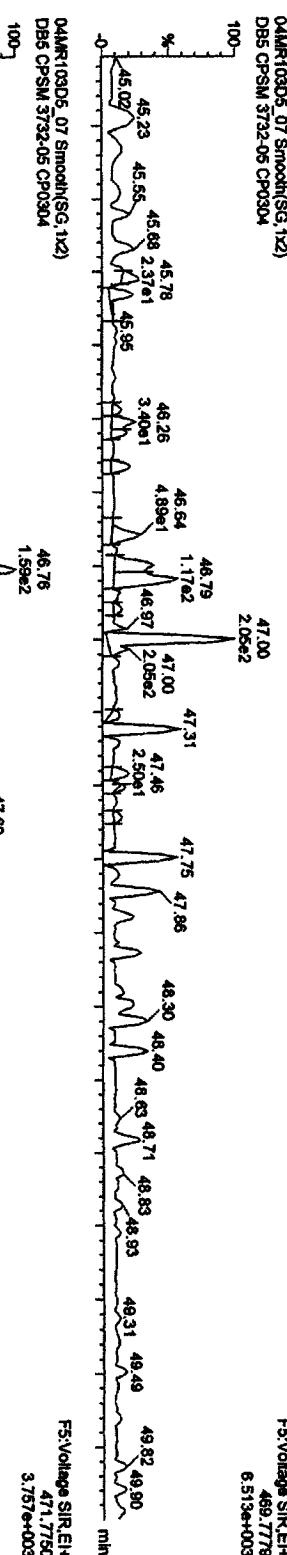
OCDD

04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



13C-OCDD

04MR103D5_07 Smooth(SG, 1x2)
DB5 CFSM 3732-05 CP0304



Quantity Sample Report MassLynx 4.1

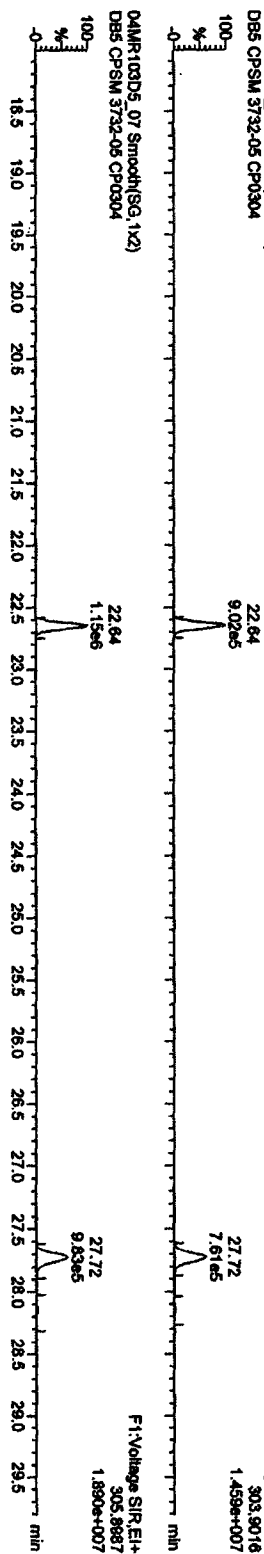
Dataset: C:\MassLynx\JAN2010\PROV\04MR103D516132\ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

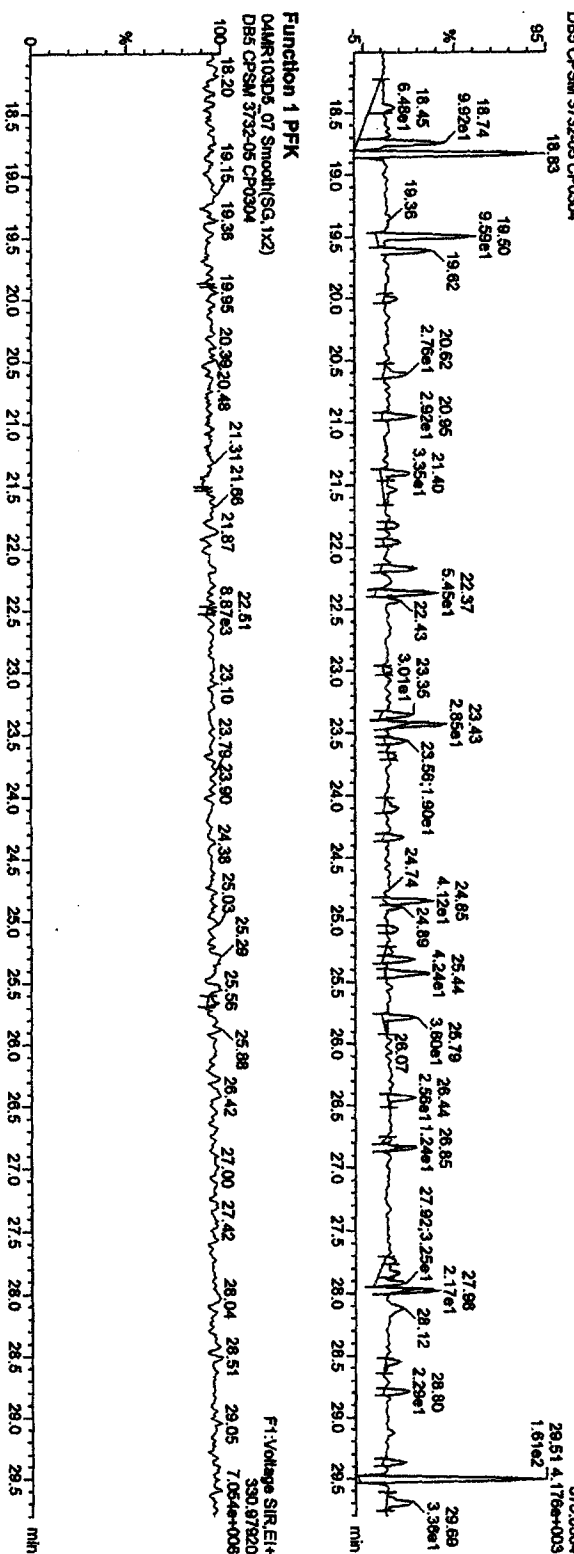
TCDFs

04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304



TCDF PCDFE

04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304



Function 1 PFK

04MR103D5_07 Smooth(SG, 1x2)
DB5 CPSM 3732-05 CP0304

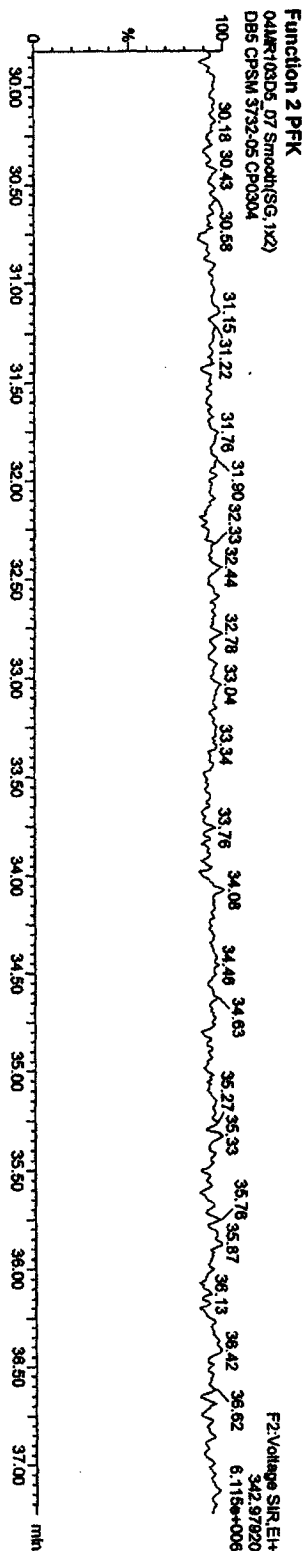
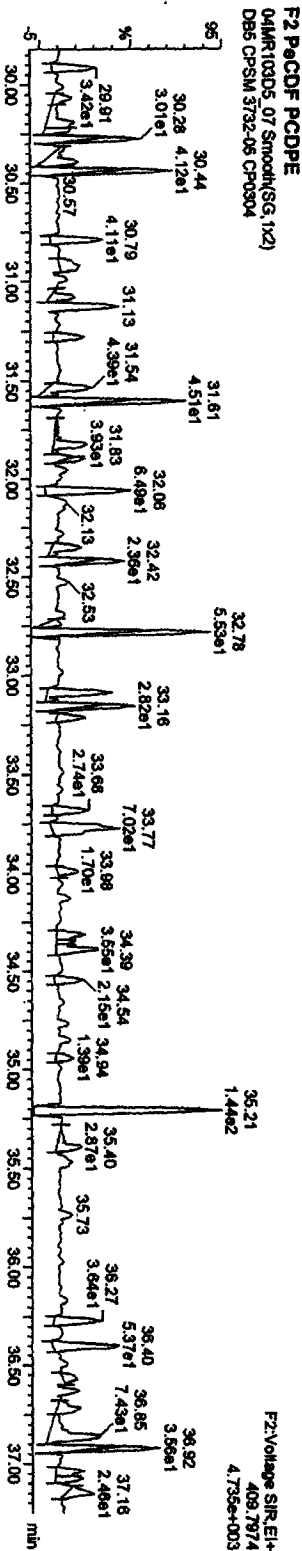
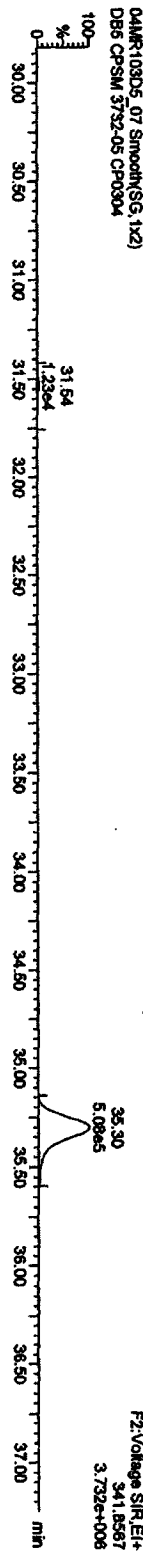
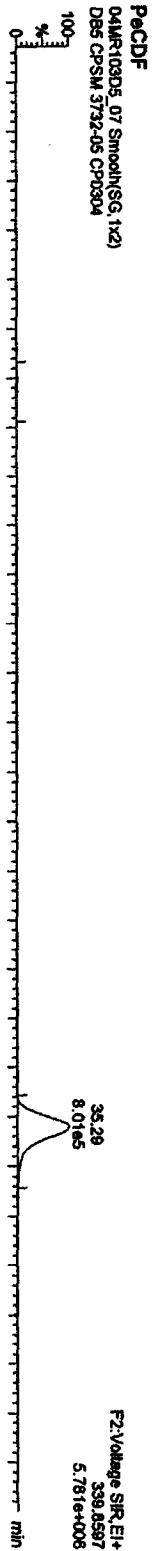


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROV04MR103D516132ndsSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DBS CFSM 3732-05



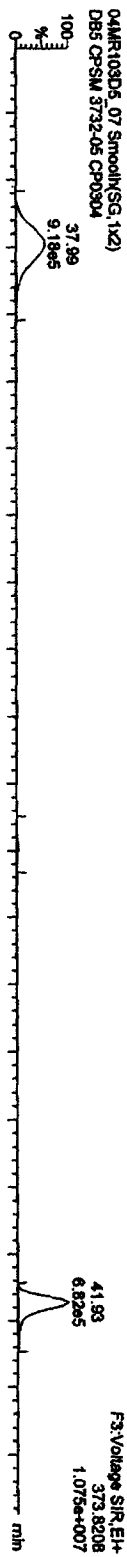
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV04MR103D518132ndSource.qld

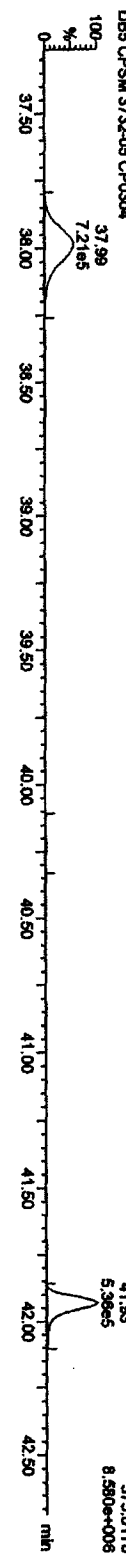
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:36 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:16:22, ID: CP0304, Description: DB5 CFSM 3732-05

HxCDFs



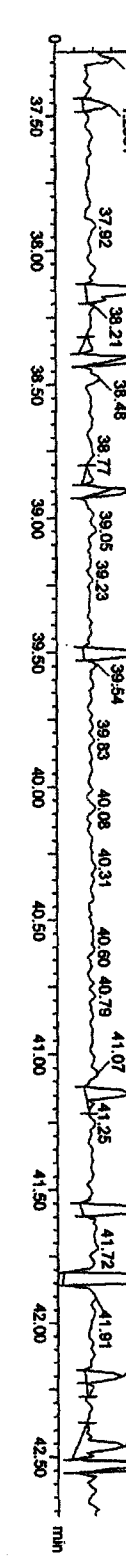
HxCDF PCDPE



Function 3 PFK



Function 3 PFK

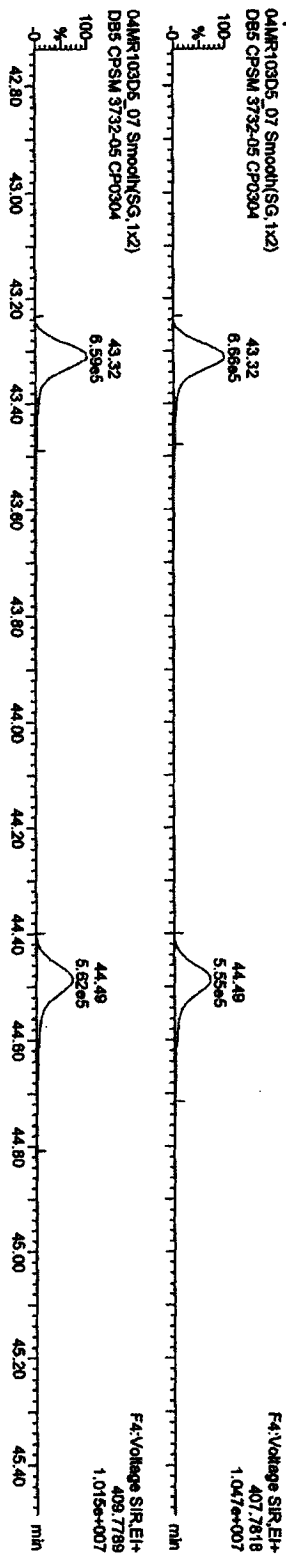


Dataset: C:\MassLynx\LAN2010\PROV\QAMR103D516132ndSource.qtl

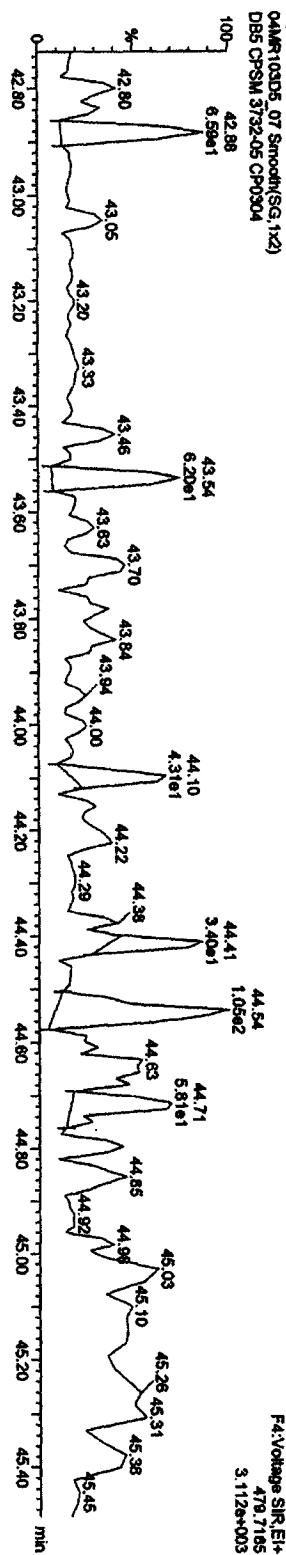
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CFSM 3732-05

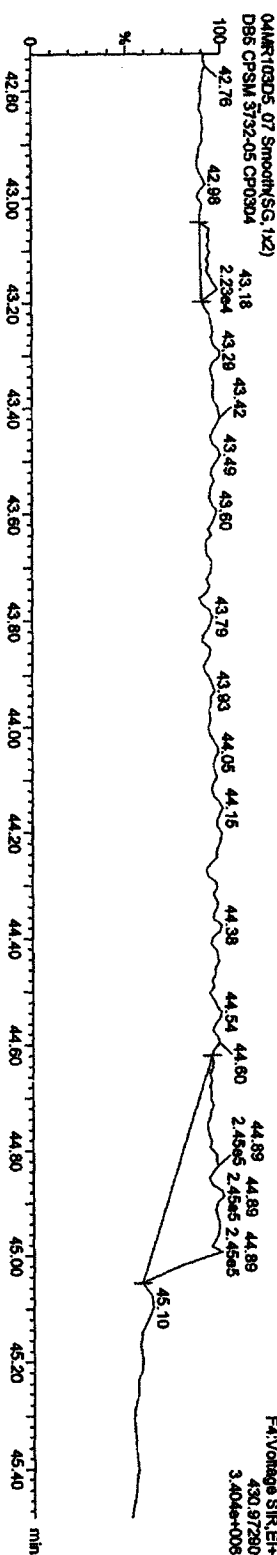
HpCDFs



HpCDF PCDBE



Function 4 PFK



Quantity Sample Report Masslynx 4.1

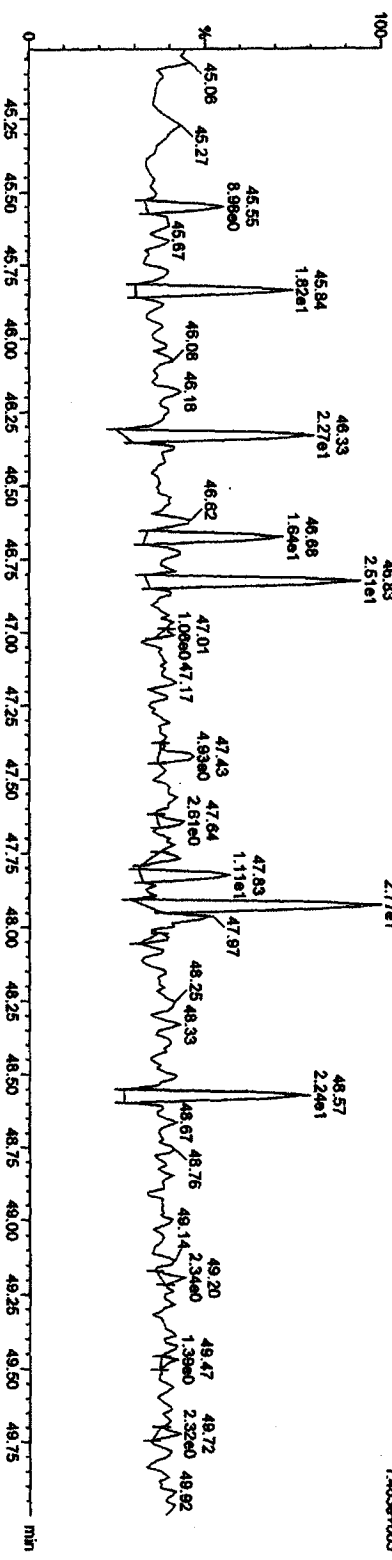
Dataset: C:\Masslynx\JAN2010\PROV04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CFSM 3732-05

OCDF PCDFE

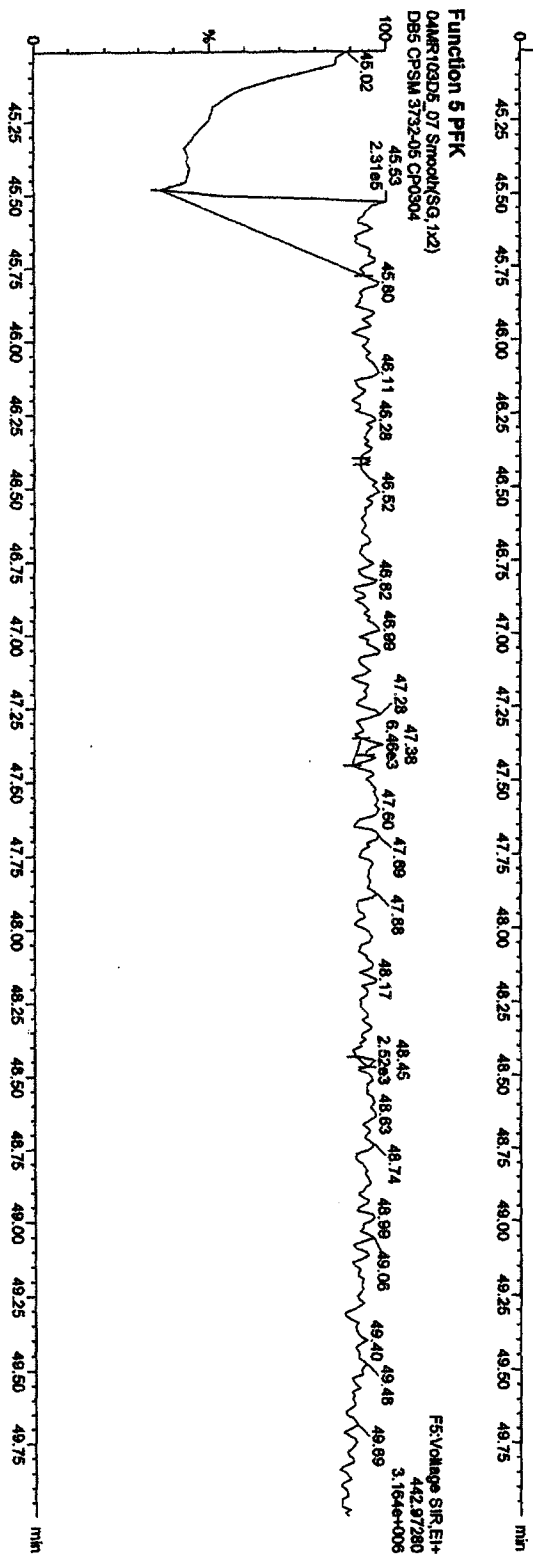
04MR103D5_07 Smooth(SG,1x2)
DB5 CFSM 3732-05 CP0304



F5:Voltage S1R,Et+
513.67750
1.463e+003

Function 5 PFK

04MR103D5_07 Smooth(SG,1x2)
DB5 CFSM 3732-05 CP0304



F5:Voltage S1R,Et+
442.97280
3.164e+006

Initial Calibration Checklist Dioxin Methods

ICAL ID 8290A041210405

Method ID 8290A Date Scanned _____

Column ID DB5 Instrument ID 4D5

STD ID's ST0412(B,A, -, D,C) STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN424, 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

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

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
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

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	GOD050000-198B	20	8290A/WATER	V-1	1.00000	L
12AP104D5	12	LXH9E-1-AC	GOD050000-198C	20	8290A/WATER		1.00000	L
12AP104D5	13	LXFLQ-1-AA	COD010564-13	20	8290A/WATER		1.04090	L
12AP104D5	14	LXMQP-1-AC	GOD070000-424C	20	8290A/SOLID		10.00000	g
12AP104D5	15	LXMQP-1-AA	GOD070000-424B	20	8290A/SOLID		10.00000	g
12AP104D5	16	LXFKR-1-AA	COD010564-1	20	8290A/SOLID		10.96000	g
12AP104D5	17	LXFKX-1-AA	COD010564-2	20	8290A/SOLID		10.00000	g
12AP104D5	18	LXFK2-1-AA	COD010564-3	20	8290A/SOLID		10.45000	g
12AP104D5	19	LXFK7-1-AA	COD010564-4	20	8290A/SOLID		10.83000	g
12AP104D5	20	LXFLA-1-AA	COD010564-5	20	8290A/SOLID		10.37000	g
12AP104D5	21	LXFLC-1-AA	COD010564-6	20	8290A/SOLID		10.75000	g
12AP104D5	22	LXFLD-1-AA	COD010564-7	20	8290A/SOLID		10.36000	g
12AP104D5	23	LXFLD-1-AD	COD010564-7S	20	8290A/SOLID		10.12000	g
12AP104D5	24	LXFLD-1-AE	COD010564-7D	20	8290A/SOLID		10.69000	g
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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	COD010564-8	20	8290A/SOLID	V-1	10.54000	g
12AP104D5	30	LXFLF-1-AA	COD010564-9	20	8290A/SOLID		10.12000	g
12AP104D5	31	LXFLG-1-AA	COD010564-10	20	8290A/SOLID		10.98000	g
12AP104D5	32	LXFLK-1-AA	COD010564-11	20	8290A/SOLID		10.17000	g
12AP104D5	33	LXFLM-1-AA	COD010564-12	20	8290A/SOLID		10.94000	g
12AP104D5	34	LXFK2-1-AA	COD010564-3 (20x)	20	8290A/SOLID		10.45000	g
12AP104D5	35	LXFLF-1-AA	COD010564-9 RI	20	8290A/SOLID		10.12000	g
12AP104D5	36	LXFLG-1-AA	COD010564-10 (20x)	20	8290A/SOLID		10.98000	g
12AP104D5	37	LXFLC-1-AA	COD010564-6 (50x)	20	8290A/SOLID		10.75000	g
12AP104D5	38	LXFLK-1-AA	COD010564-11 (50x)	20	8290A/SOLID		10.17000	g
12AP104D5	39	LXFLE-1-AA	COD010564-8 (100x)	20	8290A/SOLID		10.54000	g
12AP104D5	40	LXFLD-1-AA	COD010564-7 (100x)	20	8290A/SOLID		10.36000	g
12AP104D5	41	LXFLM-1-AA	COD010564-12 (100x)	20	8290A/SOLID		10.94000	g
12AP104D5	42	LXFLE-1-AA	COD010564-8 (100x) RI	20	8290A/SOLID		10.54000	g
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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	
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12AP104D5	49	LXFLG-1-AA	COD010564-10 (20x) RI	20	8290A/SOLID		10.98000	g
12AP104D5	50	LXFLC-1-AA	COD010564-6 (50x) RI	20	8290A/SOLID		10.75000	g
12AP104D5	51	LXFLK-1-AA	COD010564-11 (50x) RI	20	8290A/SOLID		10.17000	g
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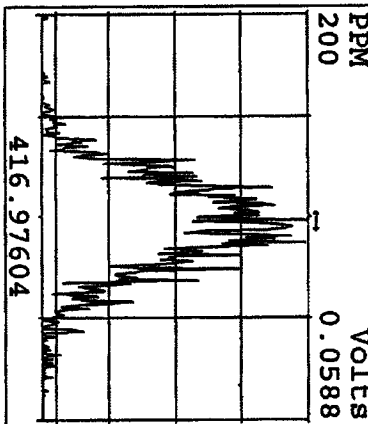
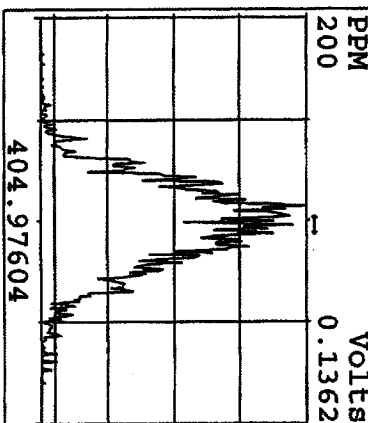
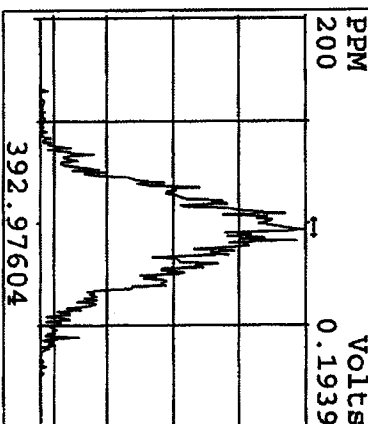
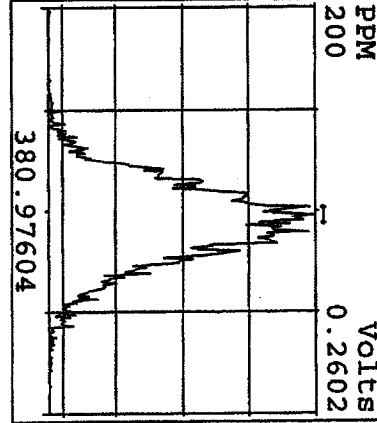
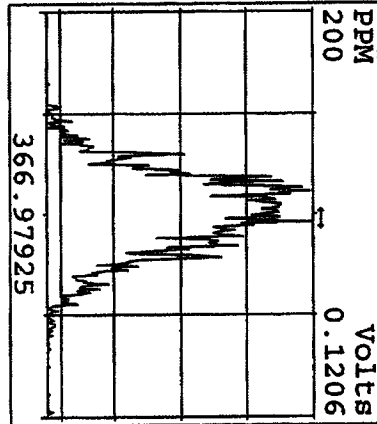
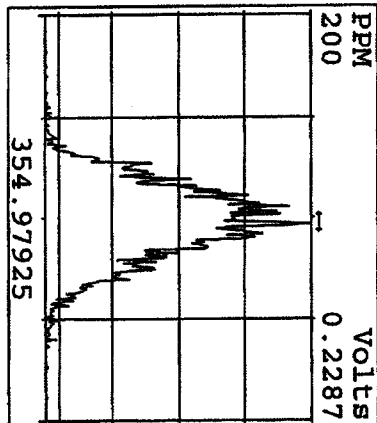
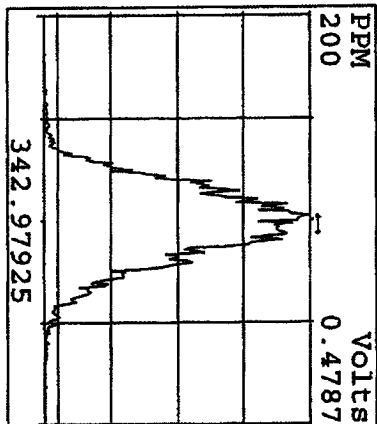
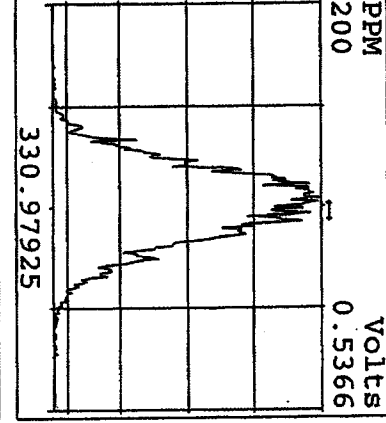
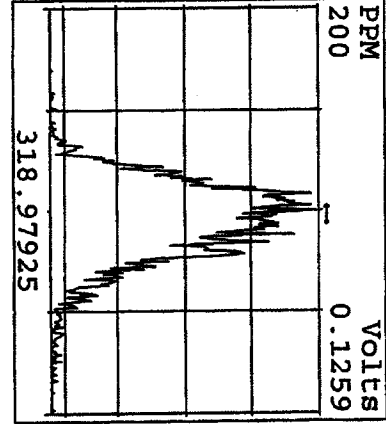
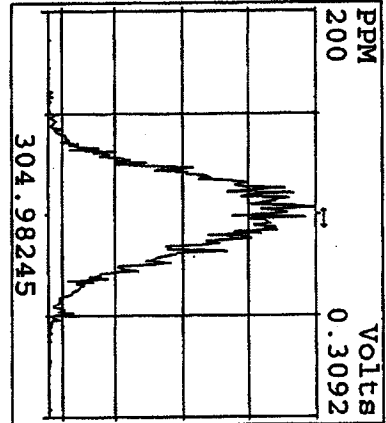
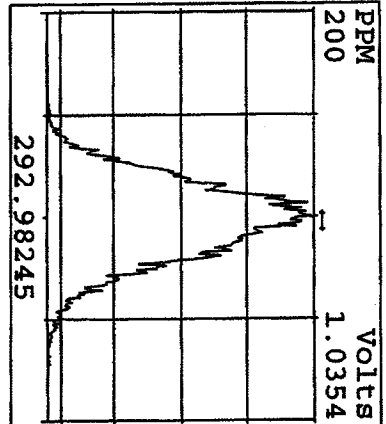
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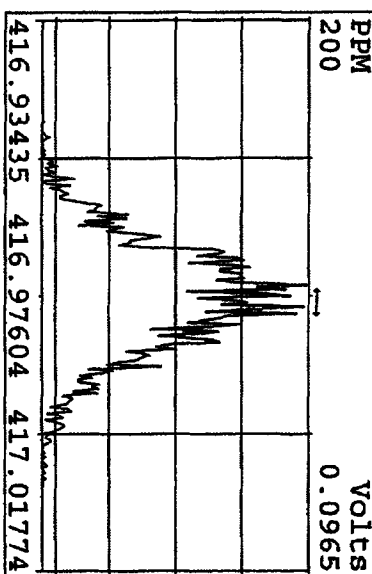
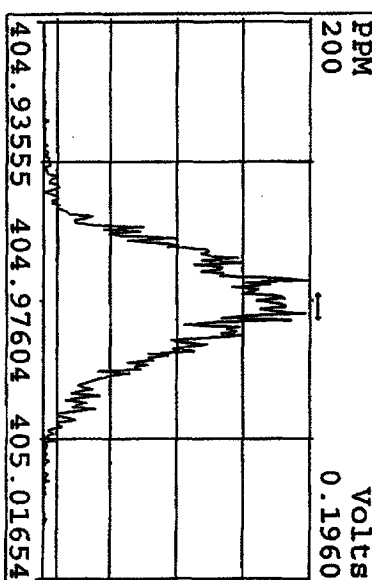
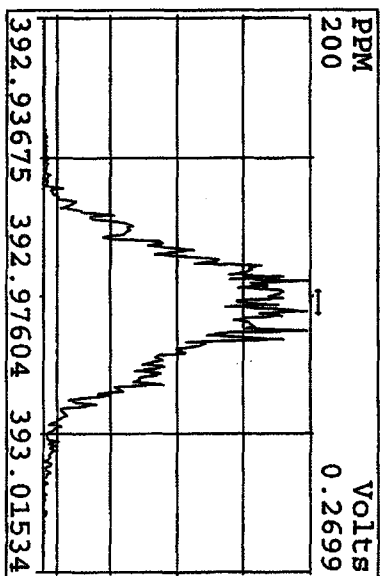
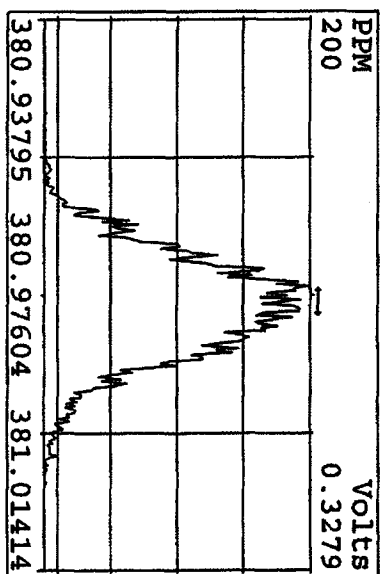
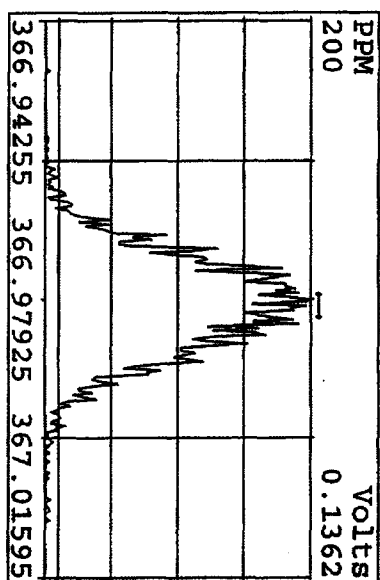
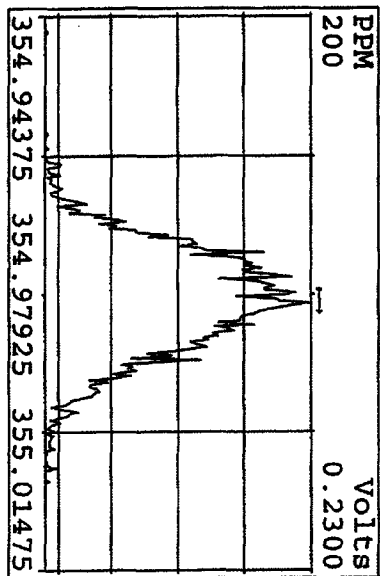
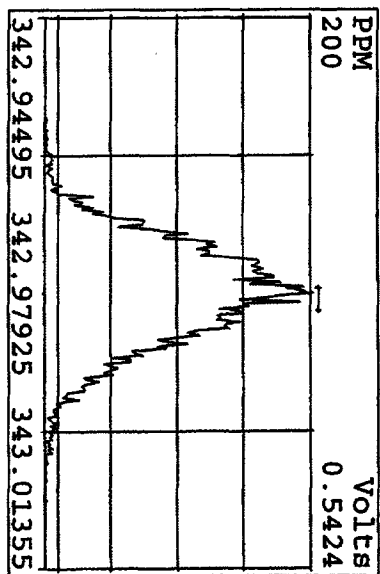
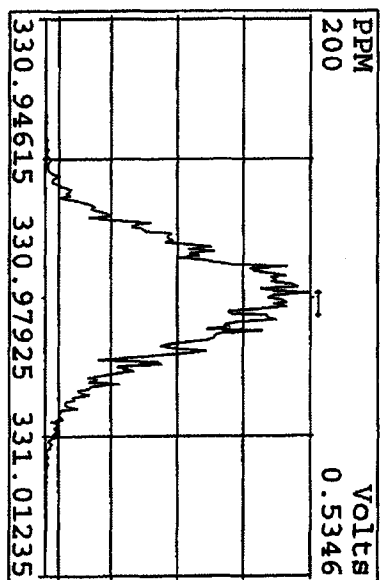
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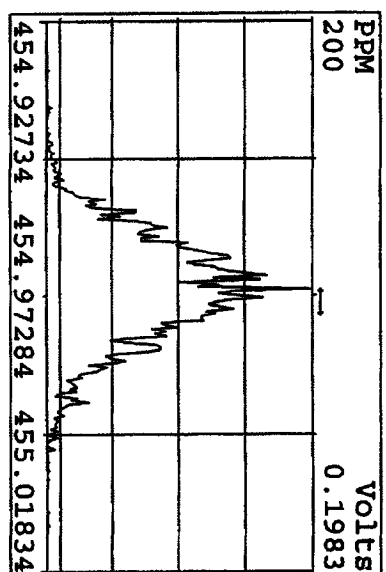
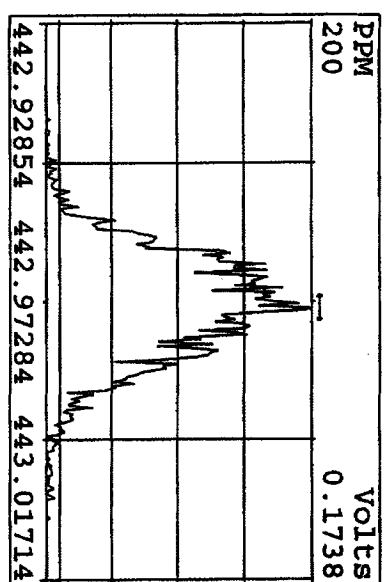
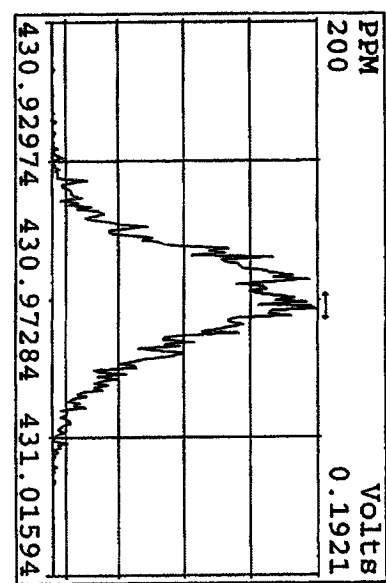
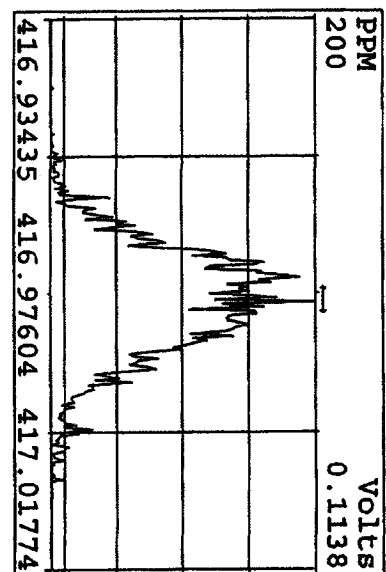
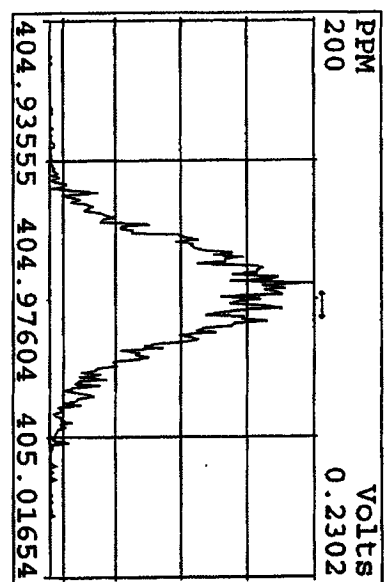
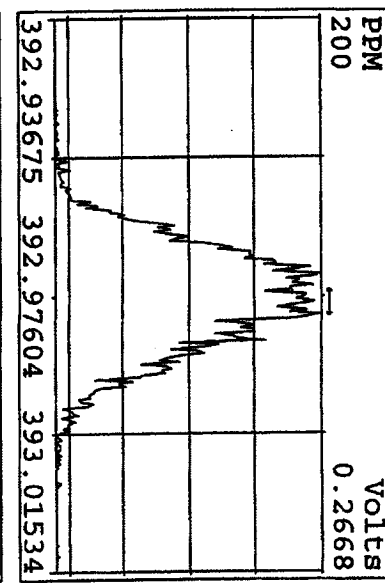
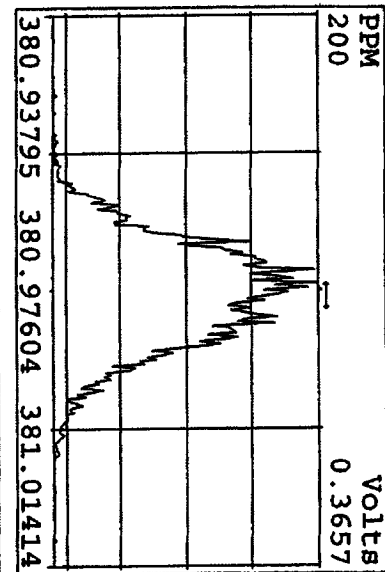
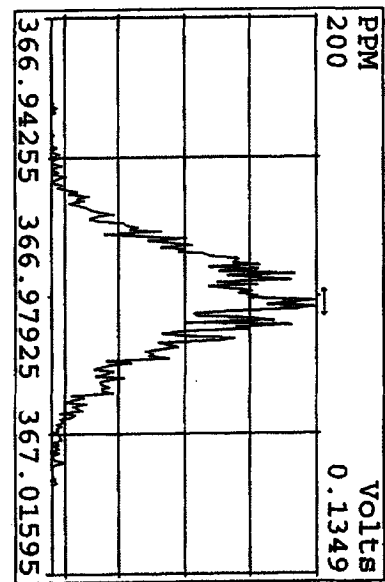
Peak Locate Examination: 12-APR-2010: 08:26 File: 12AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



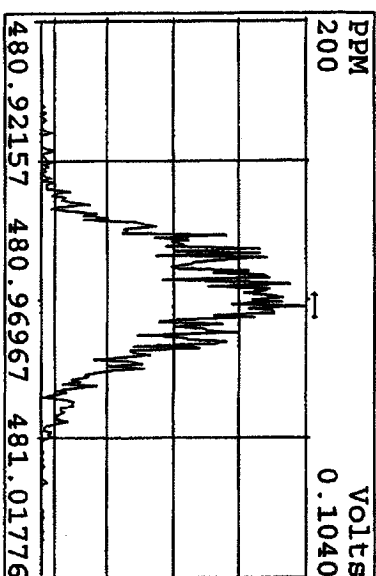
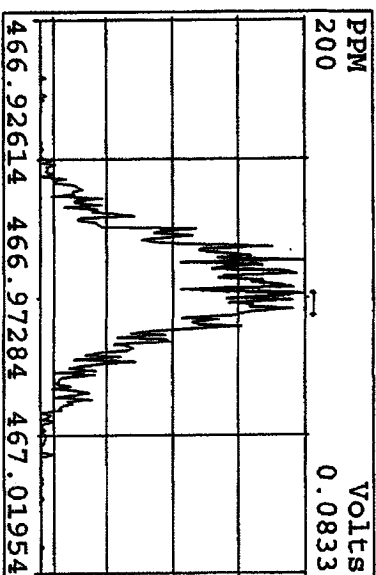
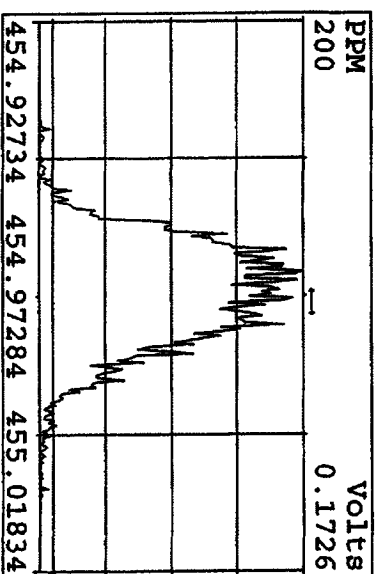
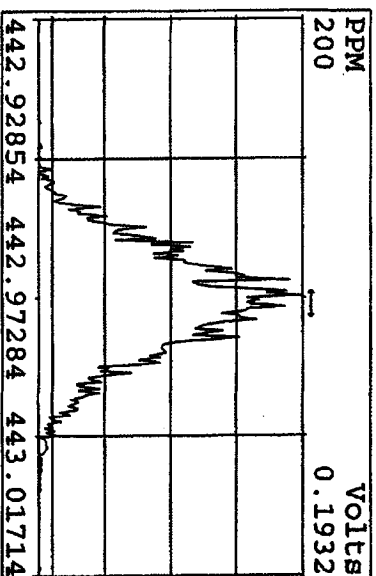
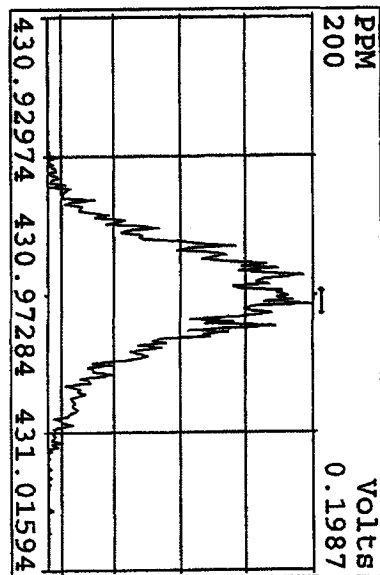
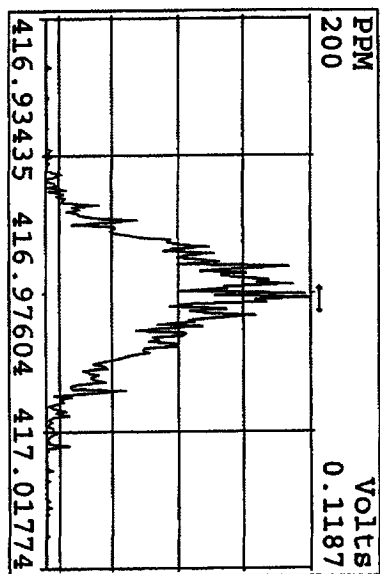
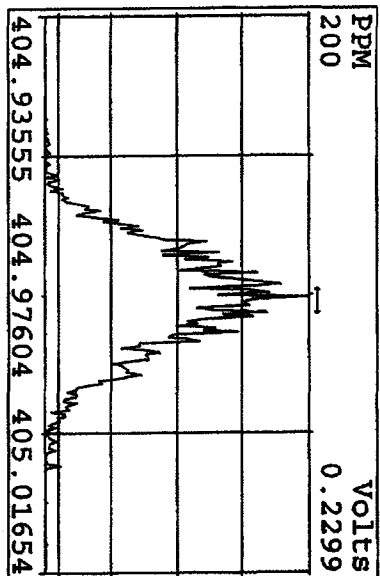
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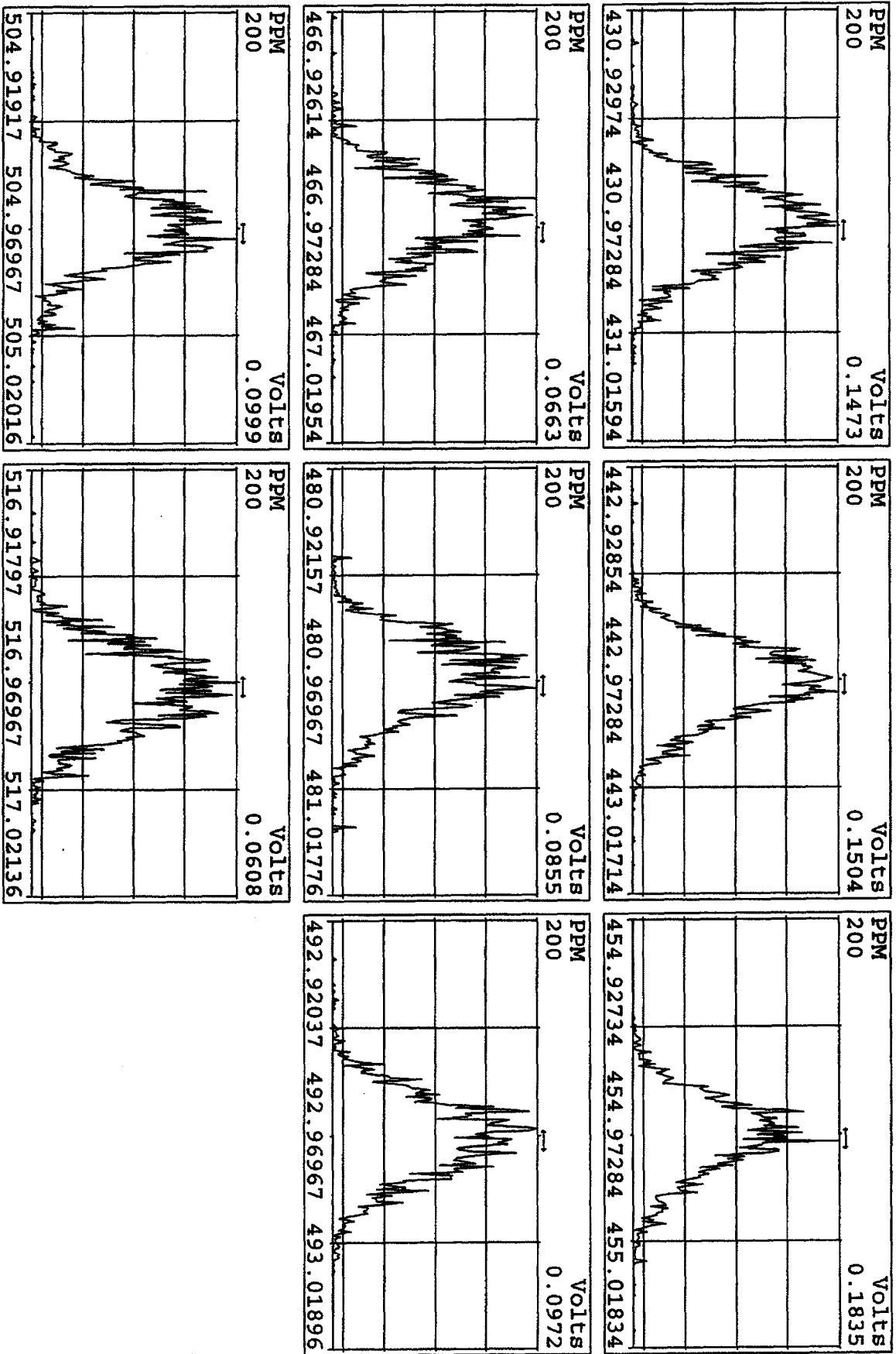
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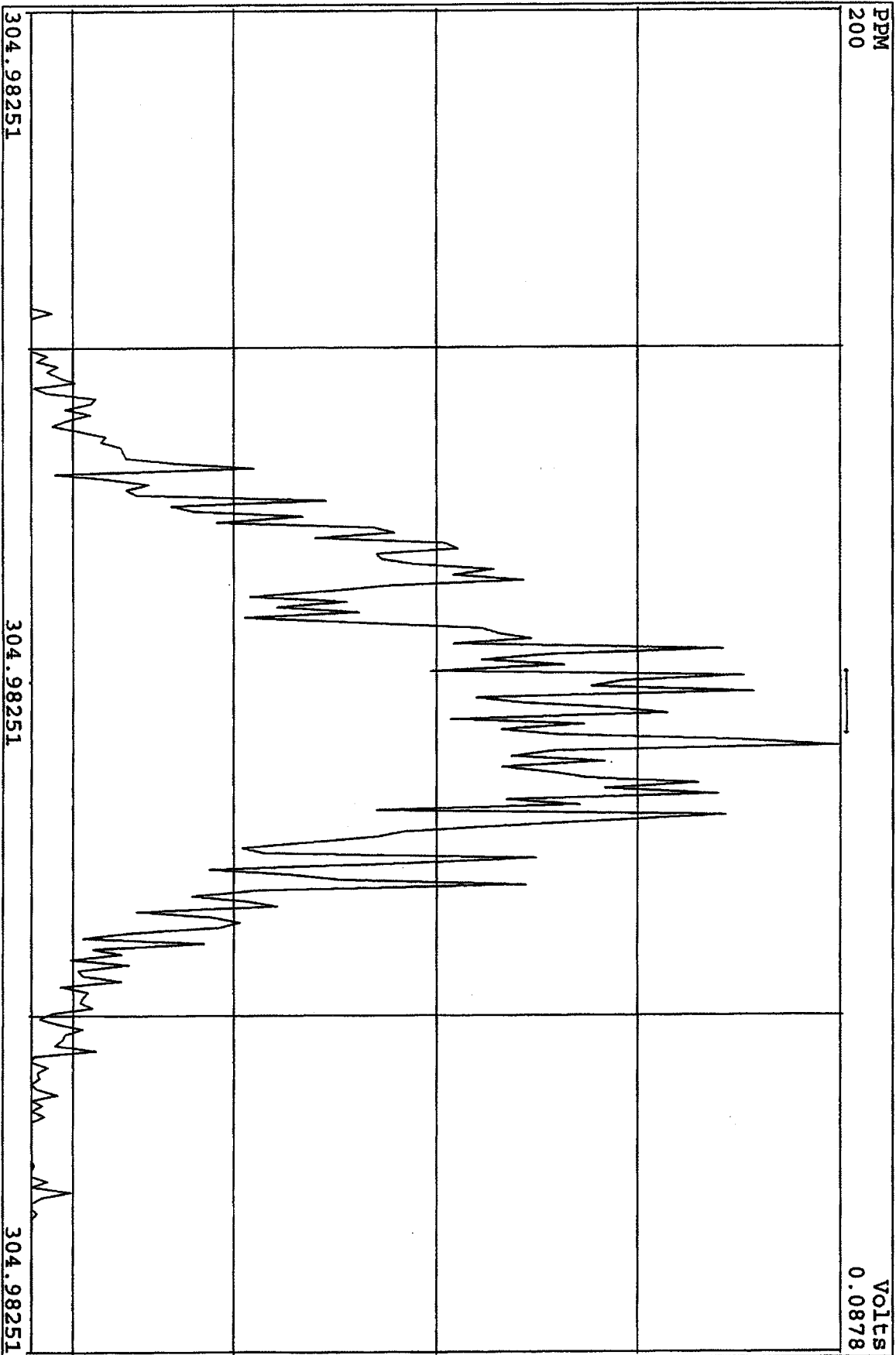
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 Experiment: DIOXINRES8290A Function: 4 Reference: PPK



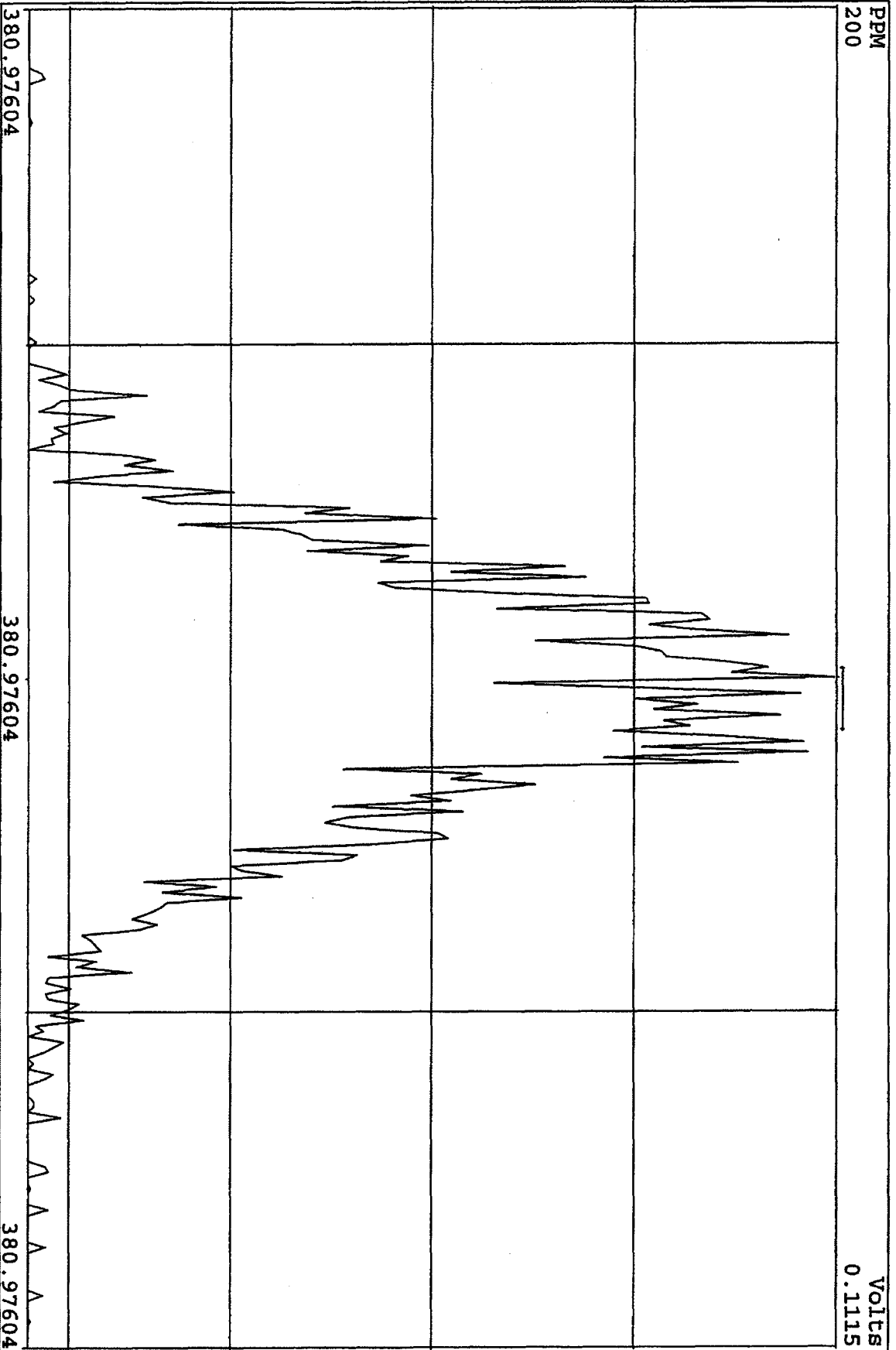
Peak Locate Examination: 12-APR-2010:08:28 File: 12API04D5
 Experiment: DIOXINRS8290A Function: 5 Reference: PRK



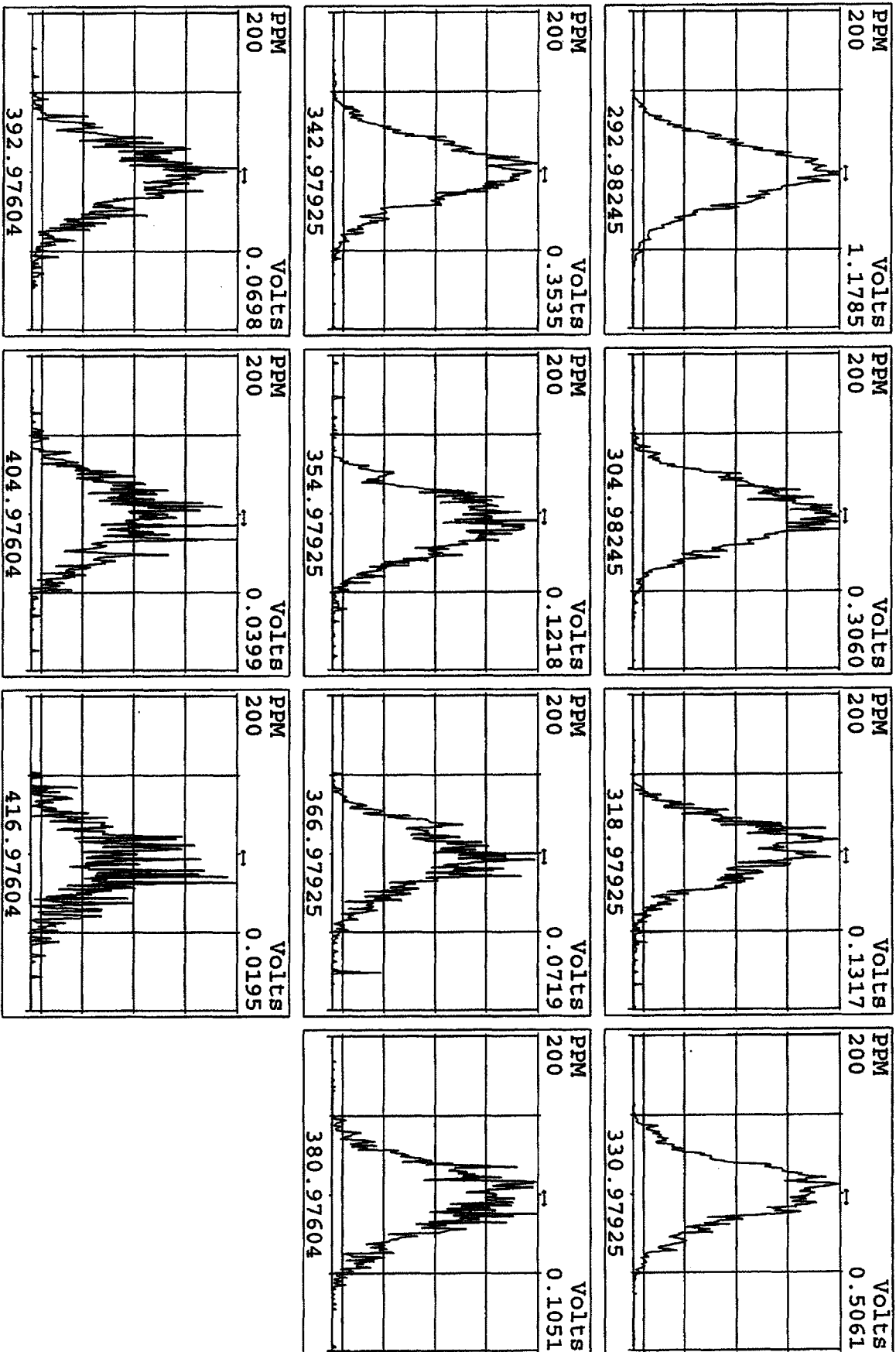
SIRIM Examination: 12-APR-2010:14:26 File: 12AP104D5
Experiment: DIOXINRES8290A Function: 7



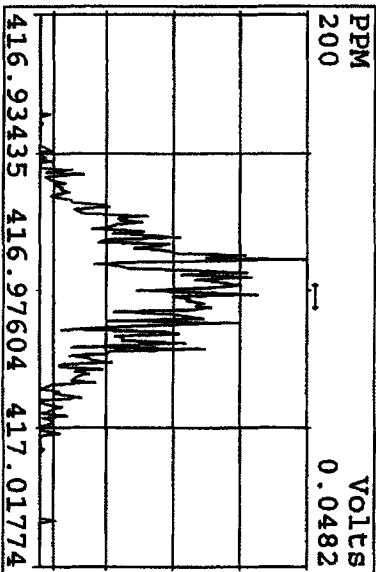
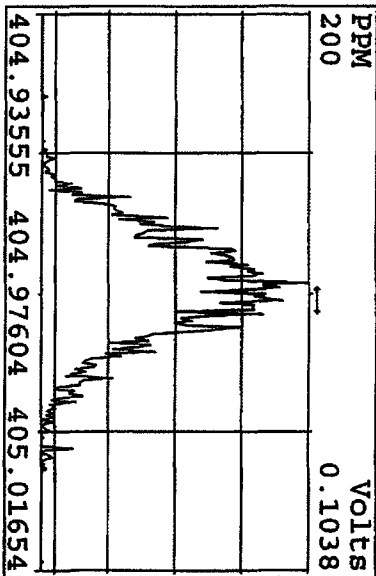
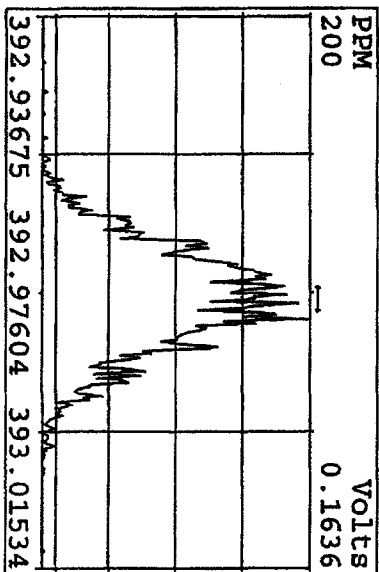
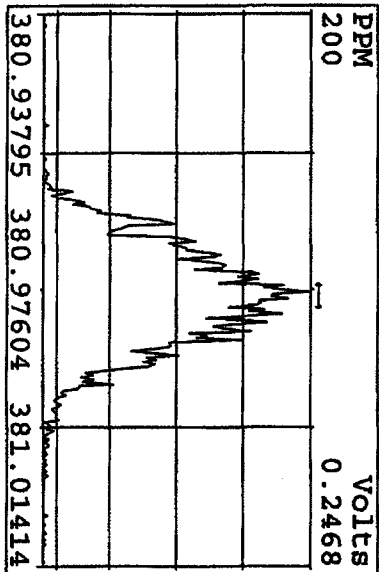
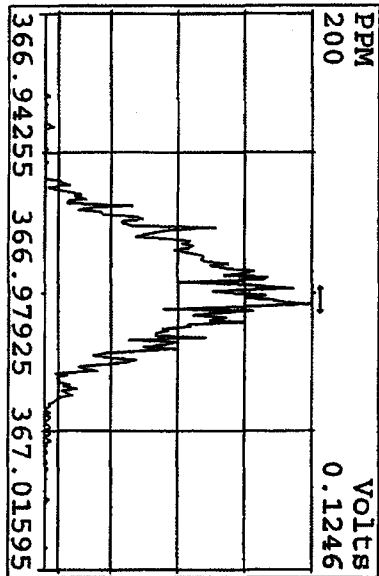
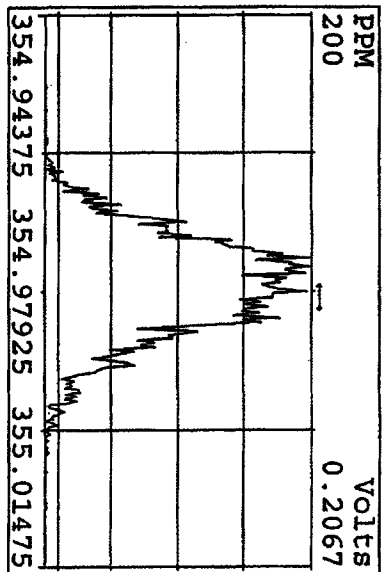
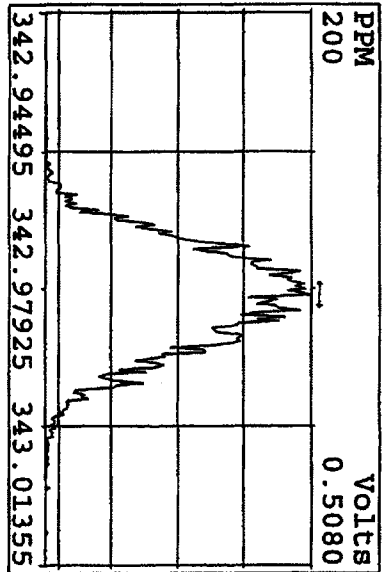
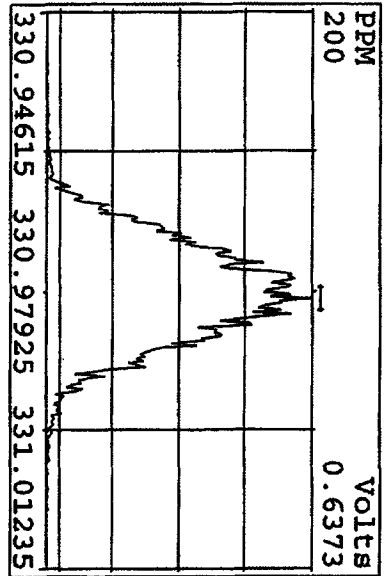
SIRIM Examination: 12-APR-2010: 14:25 File: 12API04D5
Experiment: DIOXINRES8290A Function: 6



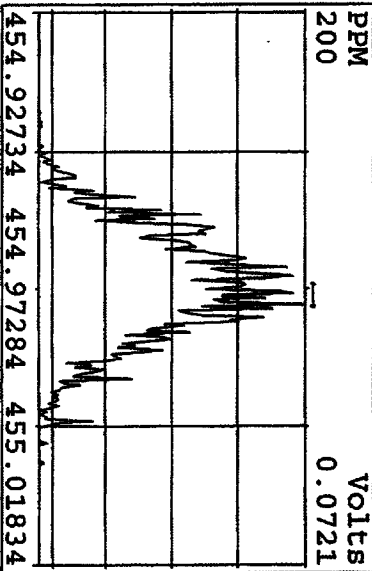
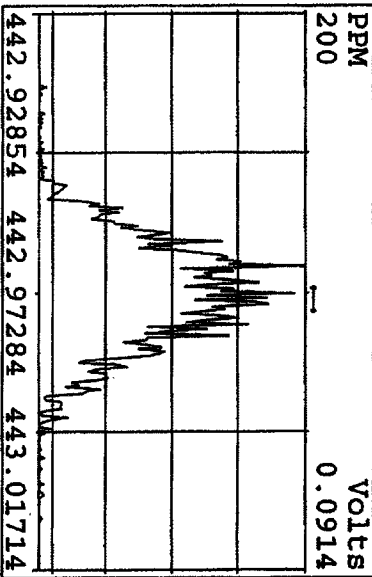
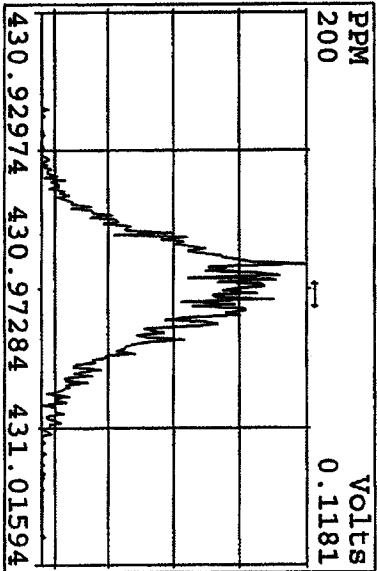
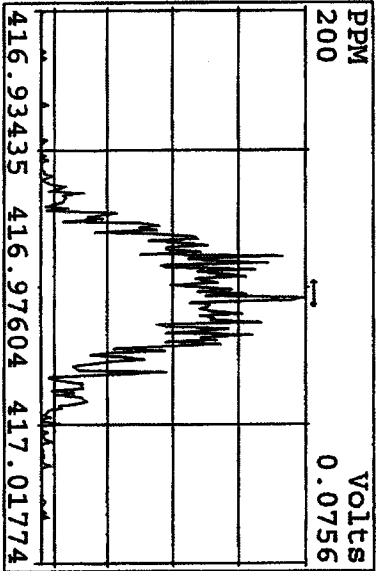
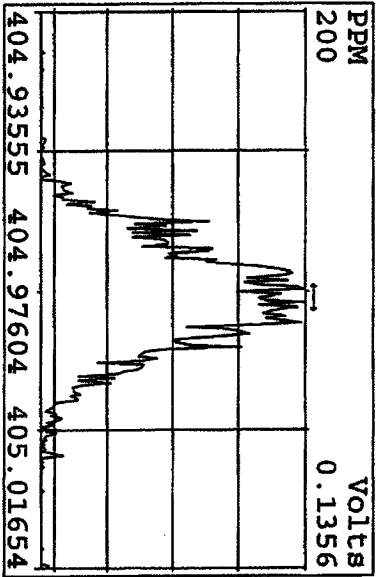
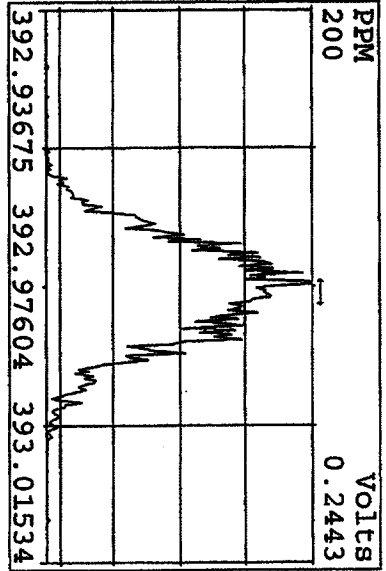
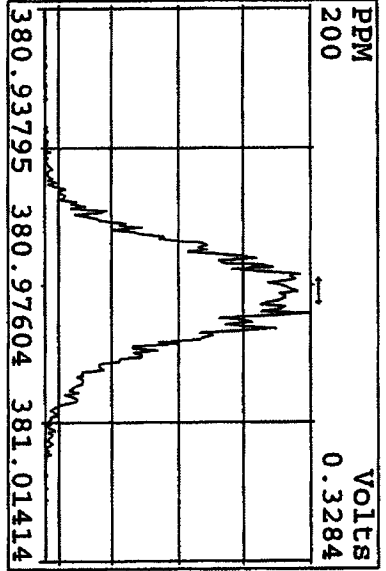
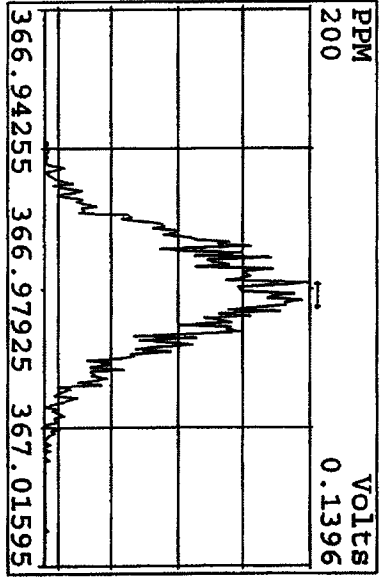
Peak Locate Examination: 14-APR-2010:00:00 File: RESCHK12AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



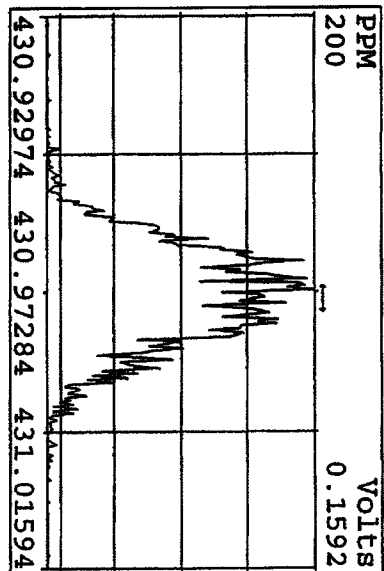
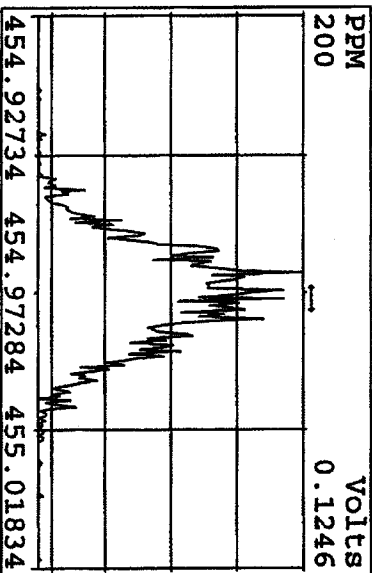
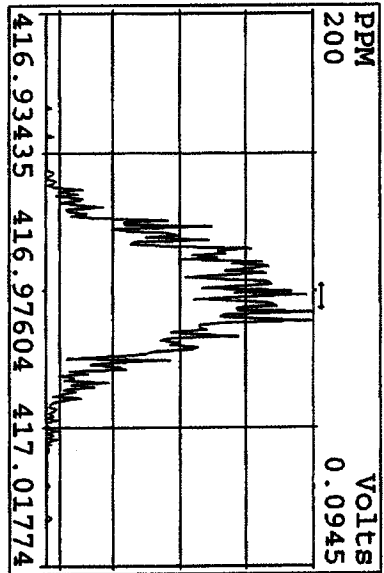
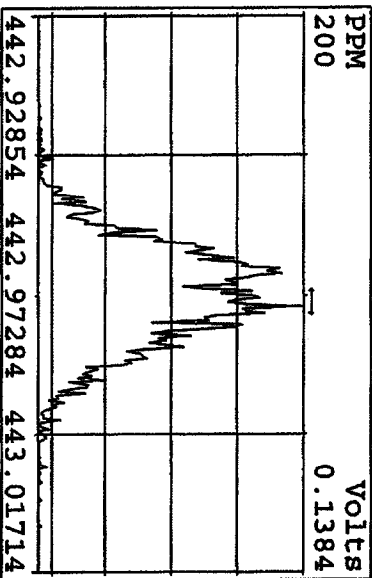
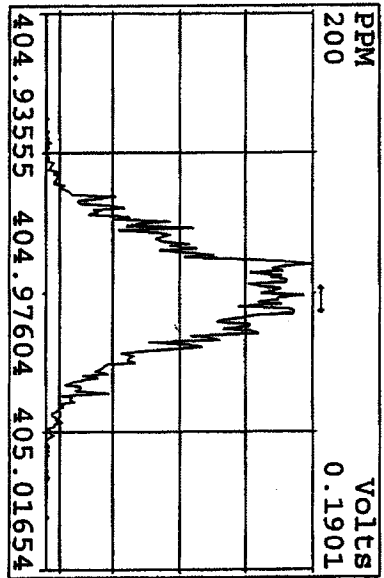
Peak Locate Examination: 14-APR-2010:00:01 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PK



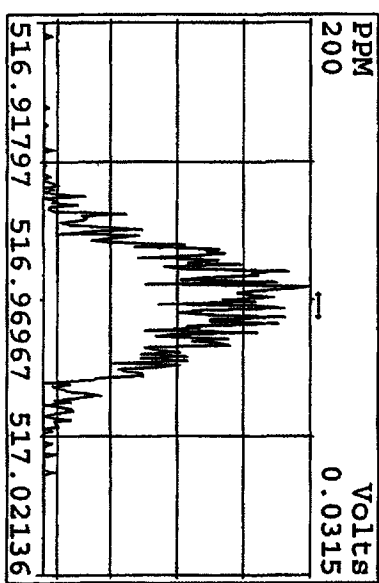
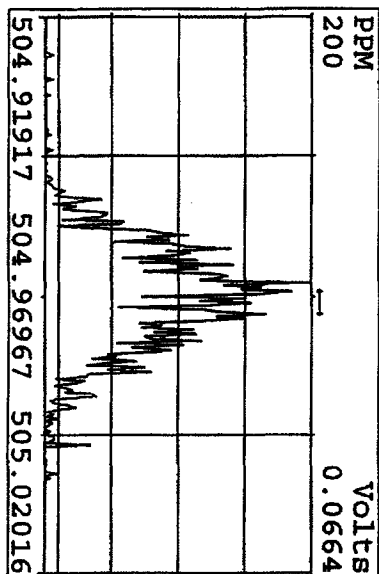
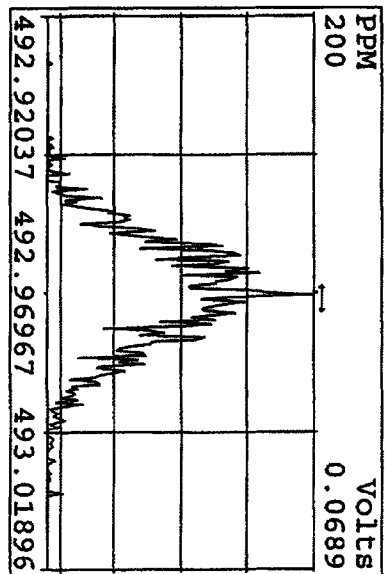
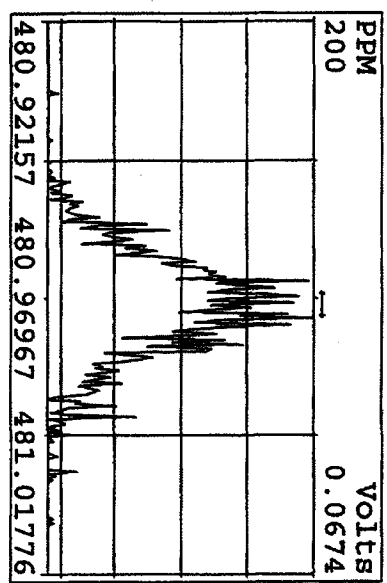
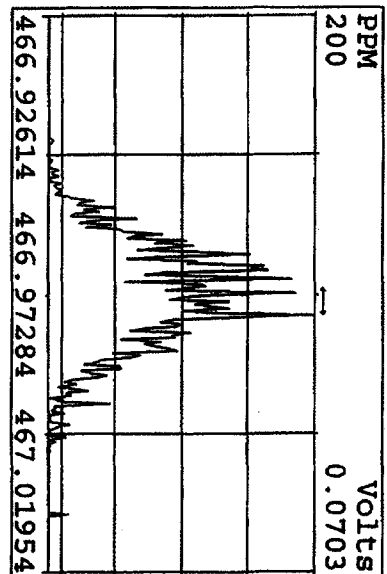
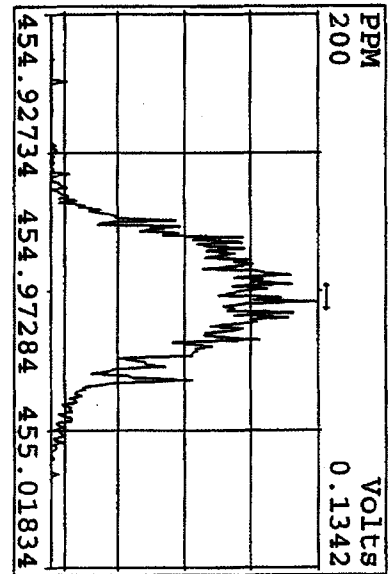
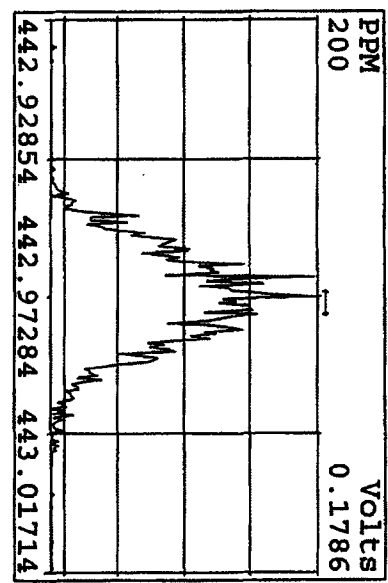
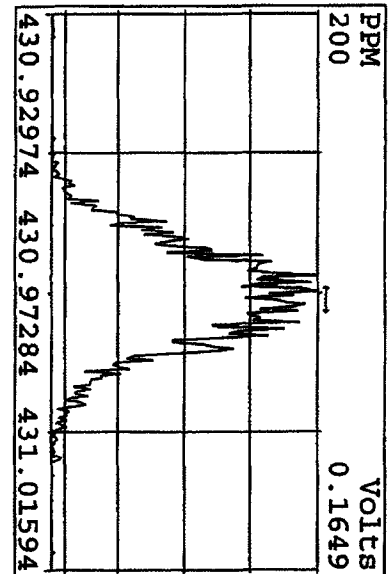
Peak Locate Examination: 14-APR-2010:00:01 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFX



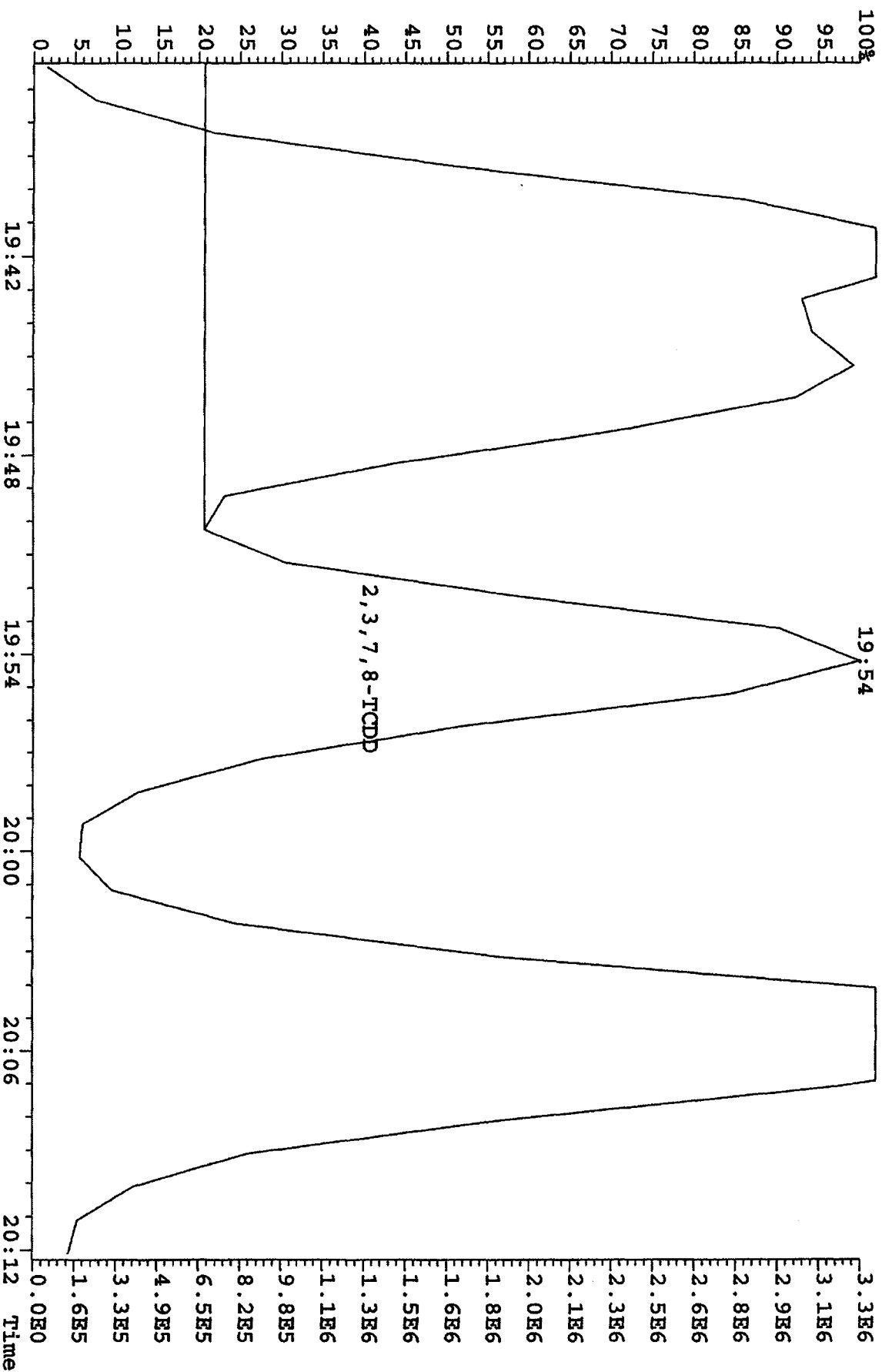
Peak Locate Examination: 14-APR-2010:00:02 File: RSCCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



Peak Locate Examination: 14-APR-2010:00:03 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



File: 12API04D5 #1-435 Acq: 12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultima
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

ICAL ID 8290A0412104D5

Method ID 8290A

Column ID DB5

STD ID's ST0412(B,A,-,D,C)

GC Program OCDD

Analyzed By M.G.

Prepared By M.G.

Reviewed By MAT

Date Scanned

Instrument ID 4D5

STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN424, 09DXN456

Multiplier Setting 410

Date Analyzed 4/12/10

Date Prepared 4/14/10

Date Reviewed 4/14/10

Curve summary present?	✓	
Hardcopies of chromatograms for CS1-CSS 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/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: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

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 12AP104D5

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
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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-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
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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

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 12API04D5 S: 2 I: 1
 Acquired: 12-APR-10 09:14:17 Processed: 12-APR-10 13:15:06
 Run: 12API04D5 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	GOD050000-198B	20	8290A/WATER	V-1	1.00000	L
12AP104D5	12	LXH9E-1-AC	GOD050000-198C	20	8290A/WATER		1.00000	L
12AP104D5	13	LXFLQ-1-AA	COD010564-13	20	8290A/WATER		1.04090	L
12AP104D5	14	LXMQP-1-AC	GOD070000-424C	20	8290A/SOLID		10.00000	g
12AP104D5	15	LXMQP-1-AA	GOD070000-424B	20	8290A/SOLID		10.00000	g
12AP104D5	16	LXFKR-1-AA	COD010564-1	20	8290A/SOLID		10.96000	g
12AP104D5	17	LXFKX-1-AA	COD010564-2	20	8290A/SOLID		10.00000	g
12AP104D5	18	LXFK2-1-AA	COD010564-3	20	8290A/SOLID		10.45000	g
12AP104D5	19	LXFK7-1-AA	COD010564-4	20	8290A/SOLID		10.83000	g
12AP104D5	20	LXFLA-1-AA	COD010564-5	20	8290A/SOLID		10.37000	g
12AP104D5	21	LXFLC-1-AA	COD010564-6	20	8290A/SOLID		10.75000	g
12AP104D5	22	LXFLD-1-AA	COD010564-7	20	8290A/SOLID		10.36000	g
12AP104D5	23	LXFLD-1-AD	COD010564-7S	20	8290A/SOLID		10.12000	g
12AP104D5	24	LXFLD-1-AE	COD010564-7D	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	COD010564-8	20	8290A/SOLID	V-1	10.54000	g
12AP104D5	30	LXFLF-1-AA	COD010564-9	20	8290A/SOLID		10.12000	g
12AP104D5	31	LXFLG-1-AA	COD010564-10	20	8290A/SOLID		10.98000	g
12AP104D5	32	LXFLK-1-AA	COD010564-11	20	8290A/SOLID		10.17000	g
12AP104D5	33	LXFLM-1-AA	COD010564-12	20	8290A/SOLID		10.94000	g
12AP104D5	34	LXFK2-1-AA	COD010564-3 (20x)	20	8290A/SOLID		10.45000	g
12AP104D5	35	LXFLF-1-AA	COD010564-9 RI	20	8290A/SOLID		10.12000	g
12AP104D5	36	LXFLG-1-AA	COD010564-10 (20x)	20	8290A/SOLID		10.98000	g
12AP104D5	37	LXFLC-1-AA	COD010564-6 (50x)	20	8290A/SOLID		10.75000	g
12AP104D5	38	LXFLK-1-AA	COD010564-11 (50x)	20	8290A/SOLID		10.17000	g
12AP104D5	39	LXFLE-1-AA	COD010564-8 (100x)	20	8290A/SOLID		10.54000	g
12AP104D5	40	LXFLD-1-AA	COD010564-7 (100x)	20	8290A/SOLID		10.36000	g
12AP104D5	41	LXFLM-1-AA	COD010564-12 (100x)	20	8290A/SOLID		10.94000	g
12AP104D5	42	LXFLE-1-AA	COD010564-8 (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	COD010564-3 (20x) RI	20	8290A/SOLID	V-1	10.45000	g
12AP104D5	49	LXFLG-1-AA	COD010564-10 (20x) RI	20	8290A/SOLID		10.98000	g
12AP104D5	50	LXFLC-1-AA	COD010564-6 (50x) RI	20	8290A/SOLID		10.75000	g
12AP104D5	51	LXFLK-1-AA	COD010564-11 (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	

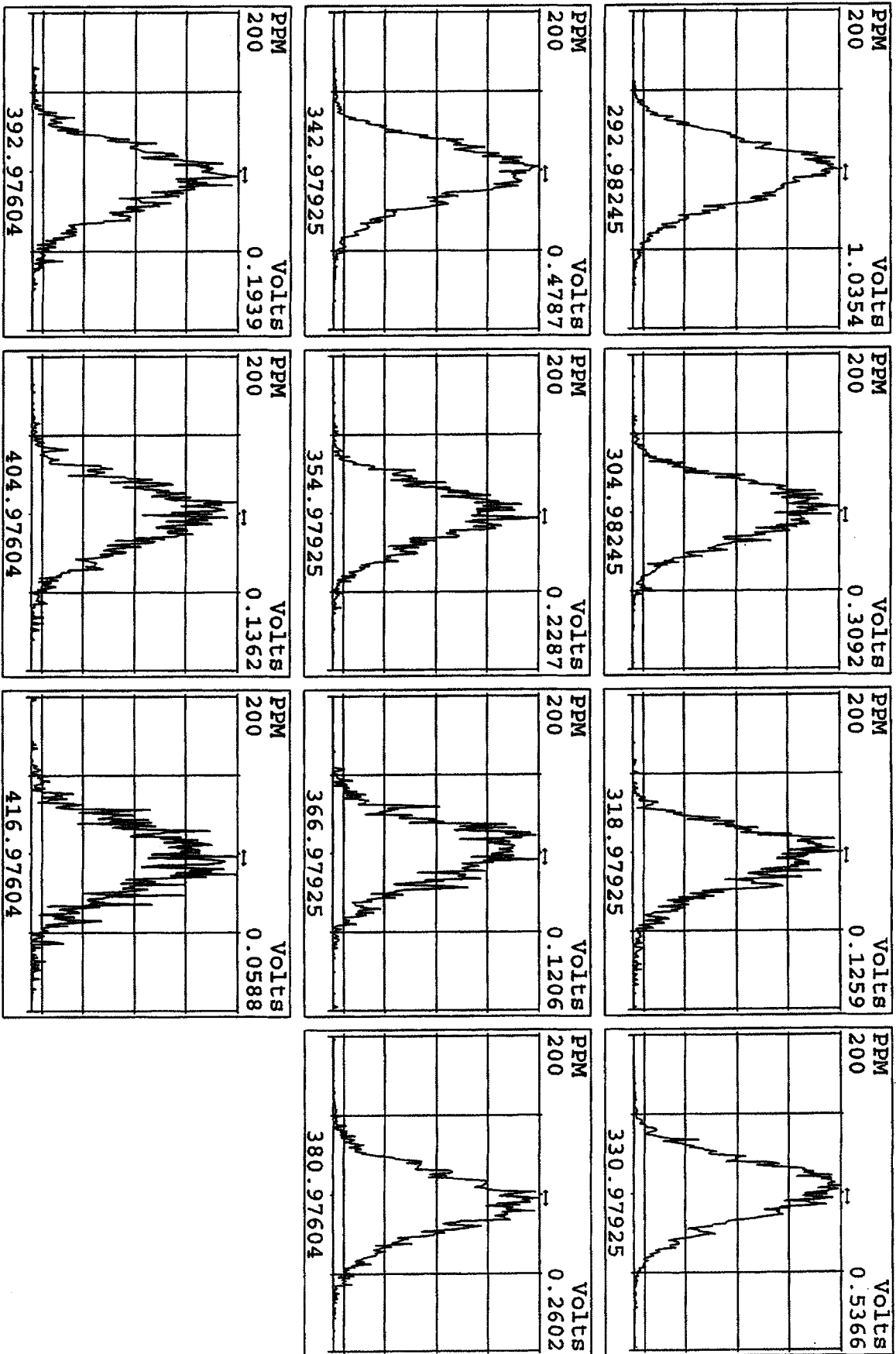
12AP104D5 54
12AP104D5 55
12AP104D5 56
12AP104D5 57

1.00000
1.00000
1.00000
1.00000

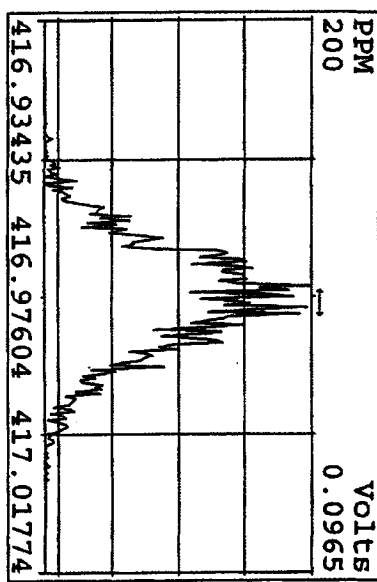
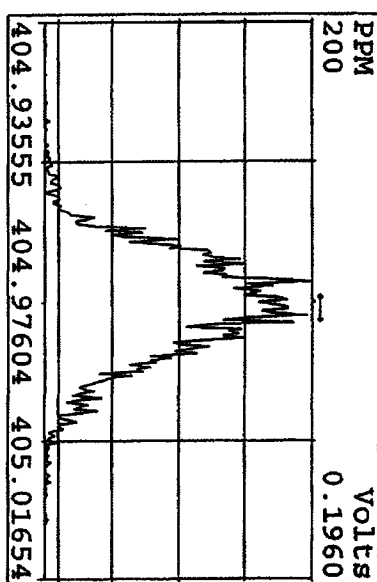
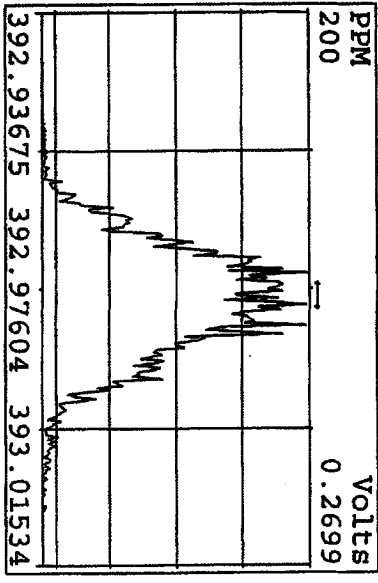
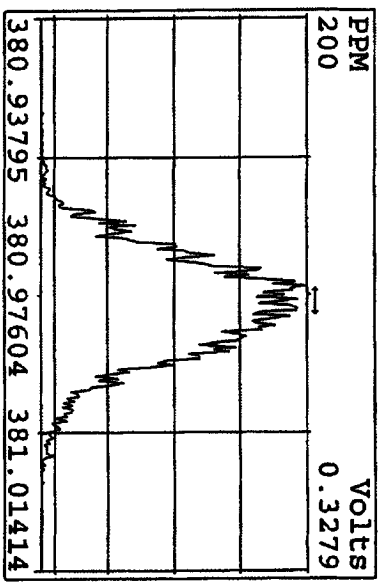
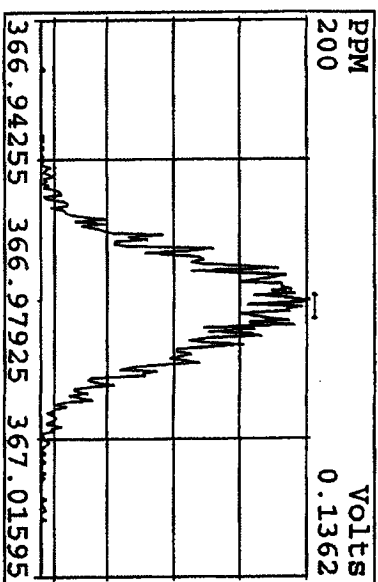
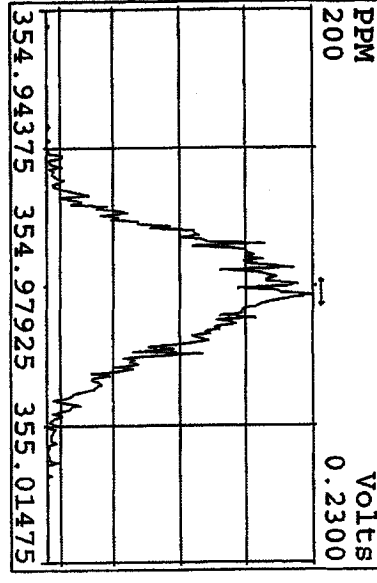
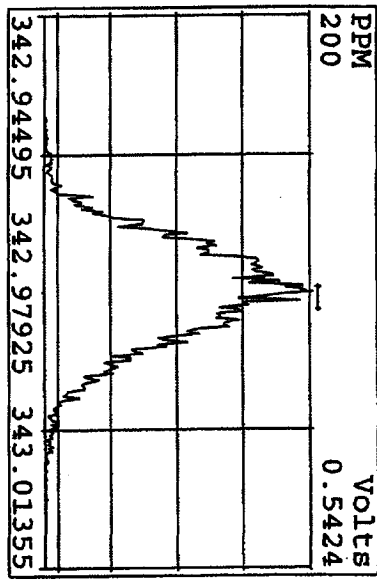
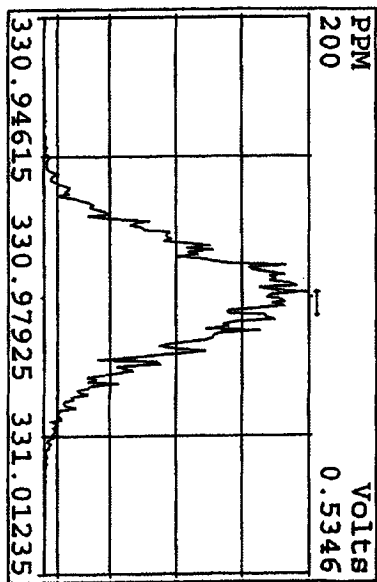
MG 04/12/10

✓ Ak 4/14/10

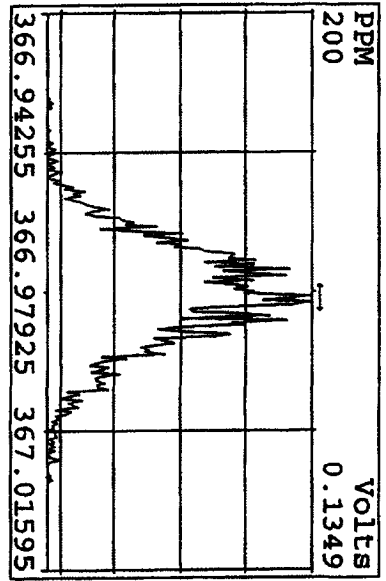
Peak Locate Examination: 12-APR-2010: 08:26 File: 12API04D5
Experiment: DIOXINRES8290A Function: 1 Reference: PK



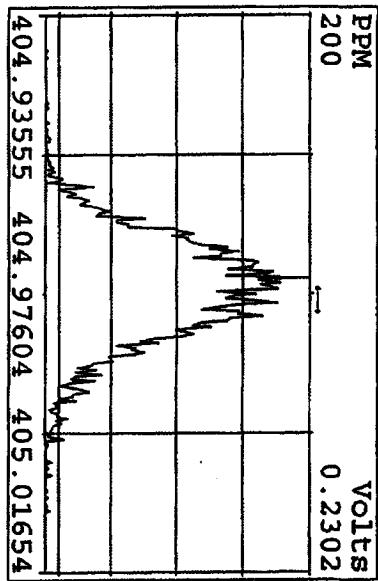
Peak Locate Examination: 12-APR-2010: 08:26 File: 12AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



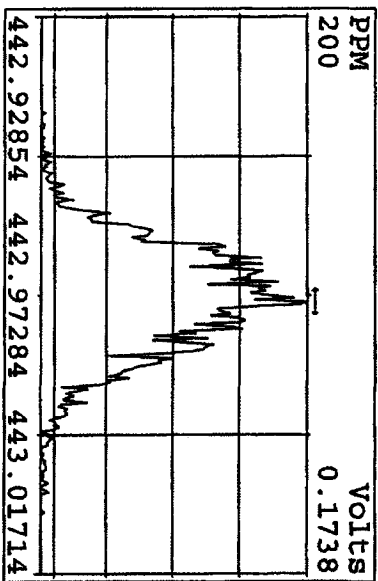
Peak Locate Examination: 12-APR-2010:08:27 File: 12AP104D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



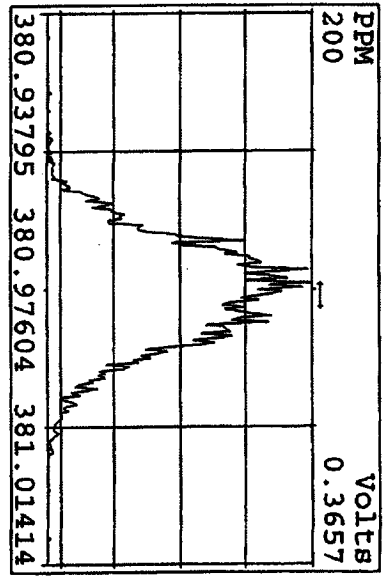
PPM 200
Volts 0.1349



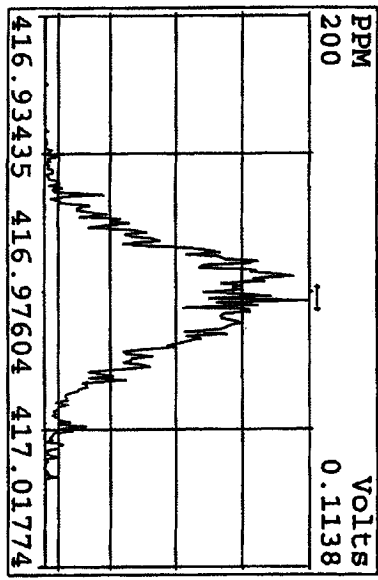
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Volts 0.2302



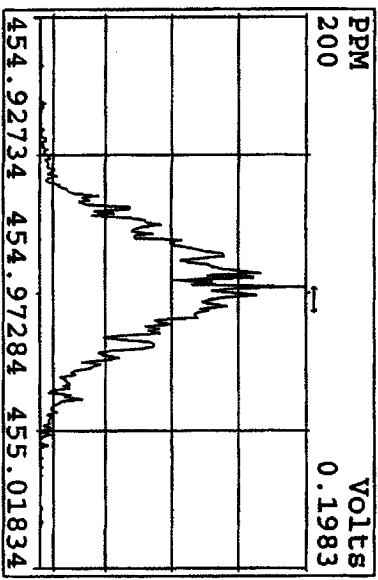
PPM 200
Volts 0.1738



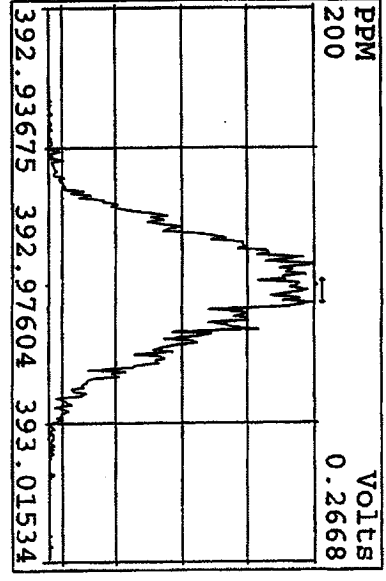
PPM 200
Volts 0.3657



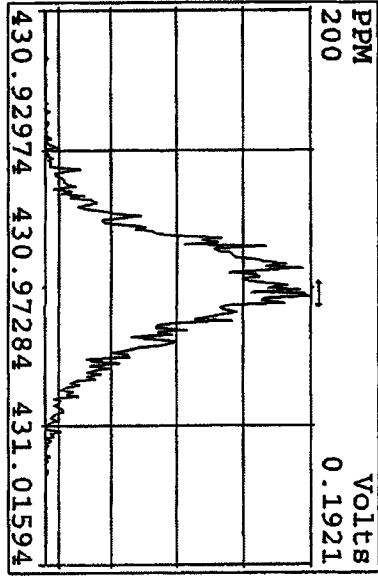
PPM 200
Volts 0.1138



PPM 200
Volts 0.1983



PPM 200
Volts 0.2668



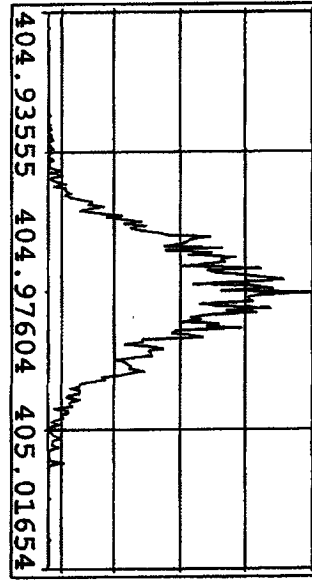
PPM 200
Volts 0.1921



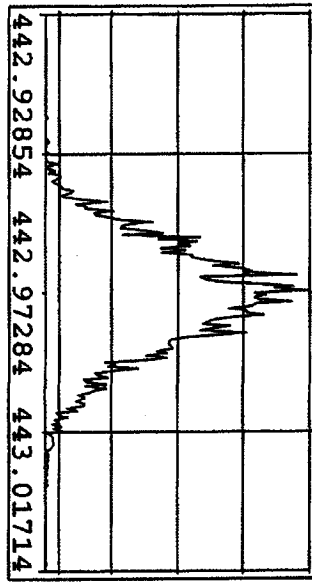
PPM 200
Volts 0.1921

Peak Locate Examination: 12-APR-2010:08:27 File: 12AP104D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK

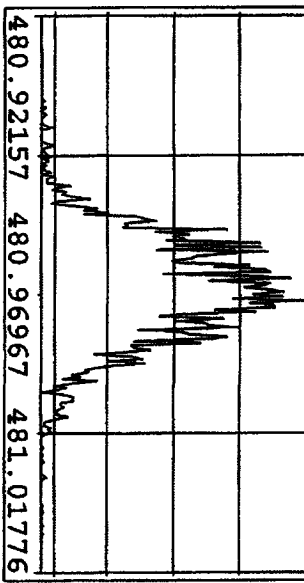
PPM 200 Volts 0.2299



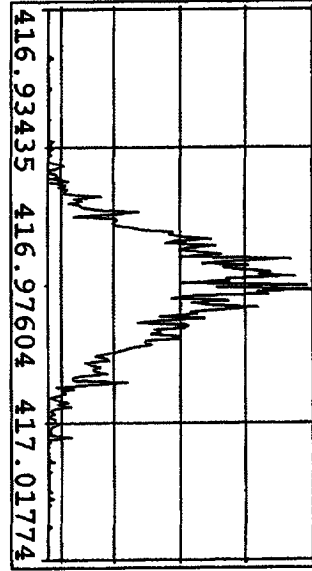
PPM 200 Volts 0.1932



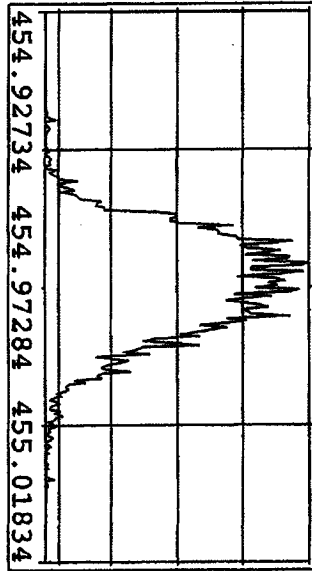
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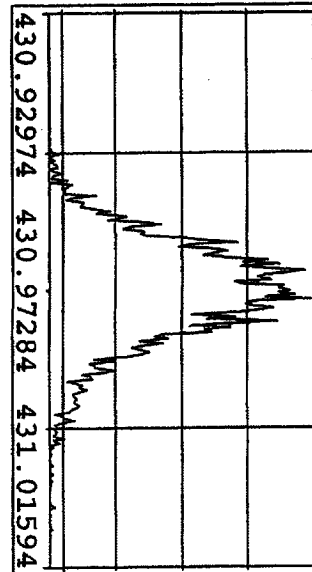
PPM 200 Volts 0.1187



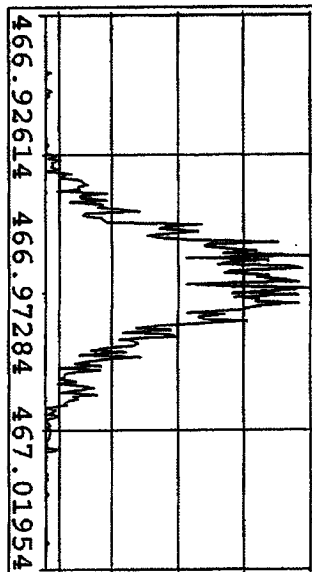
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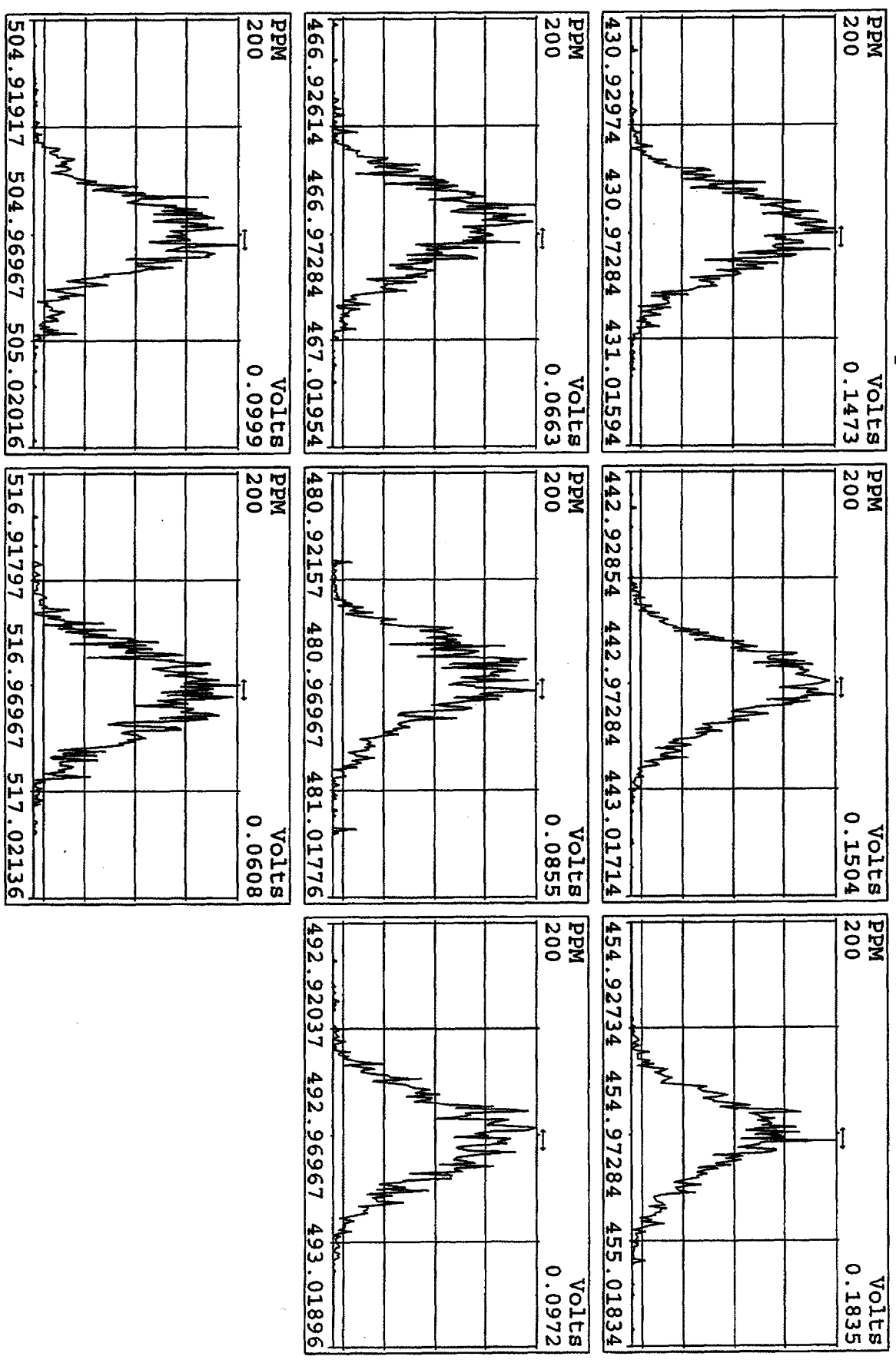
PPM 200 Volts 0.1987



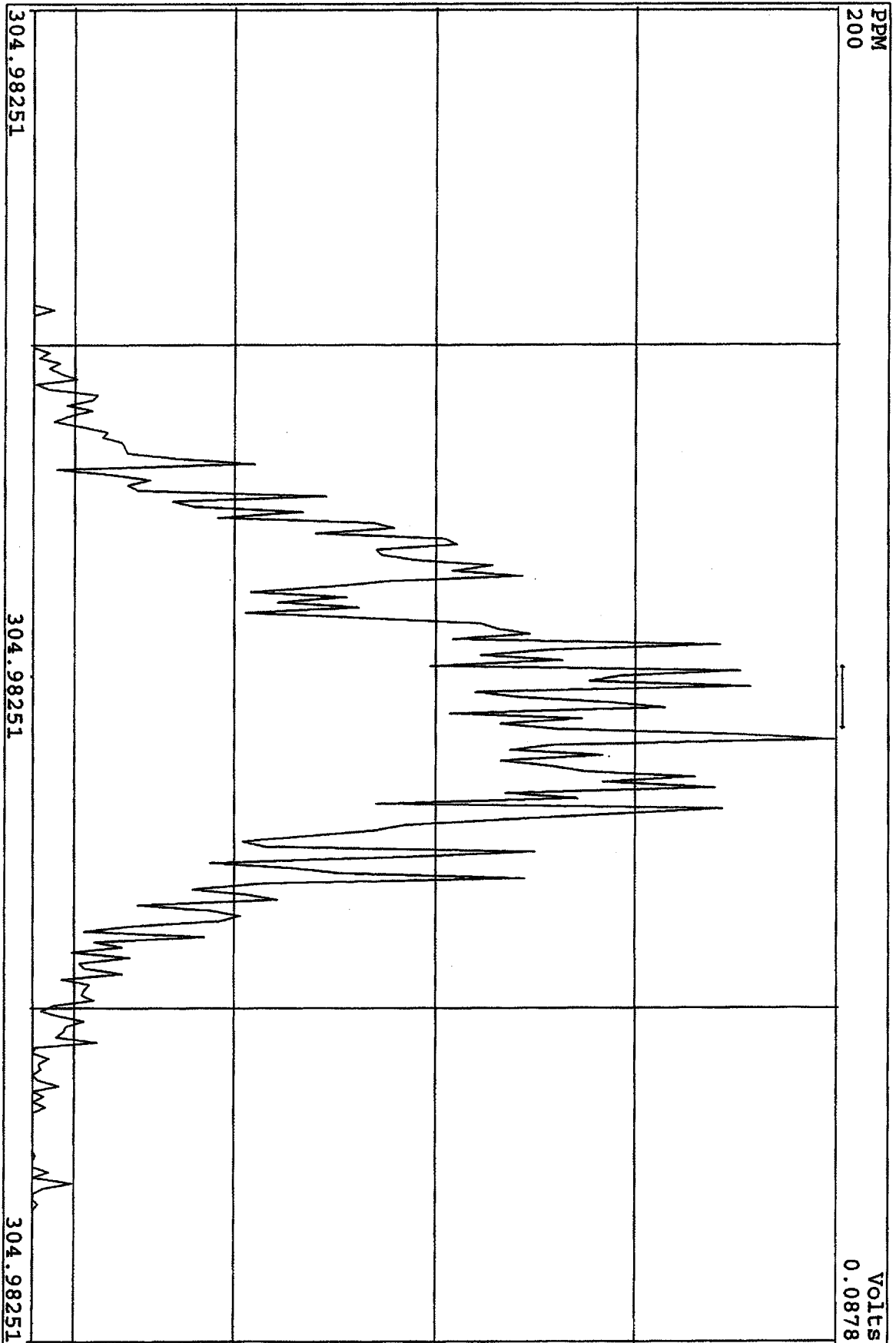
PPM 200 Volts 0.0833



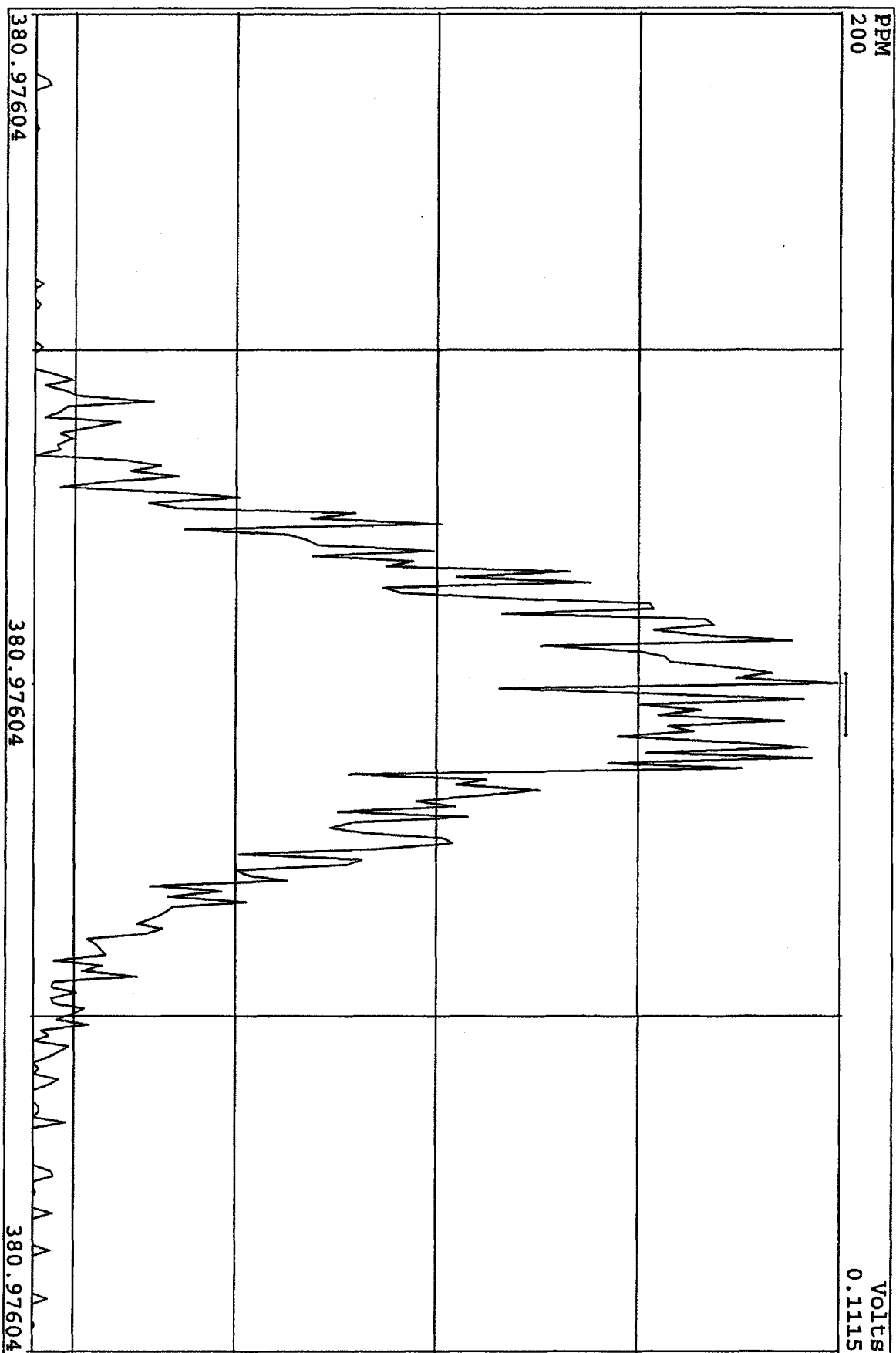
Peak Locate Examination: 12-APR-2010: 08:28 File: 12AP104D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



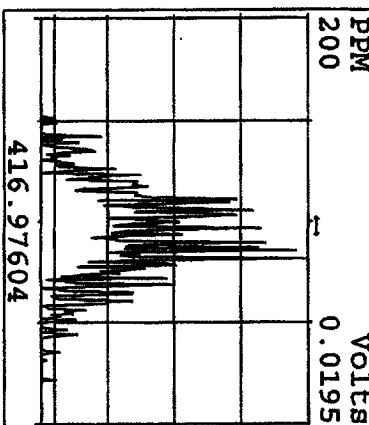
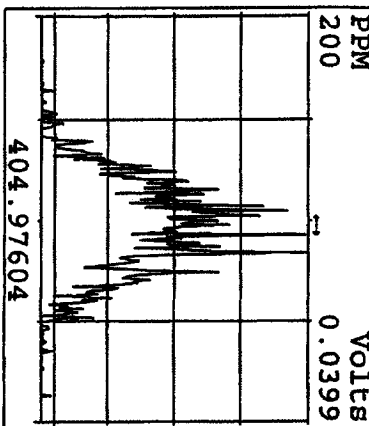
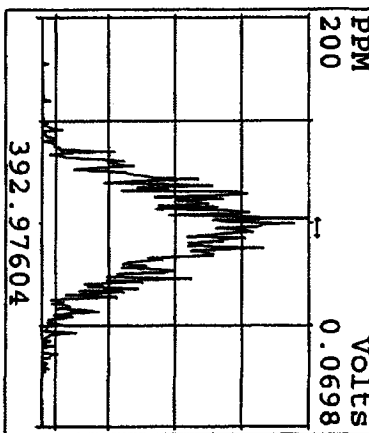
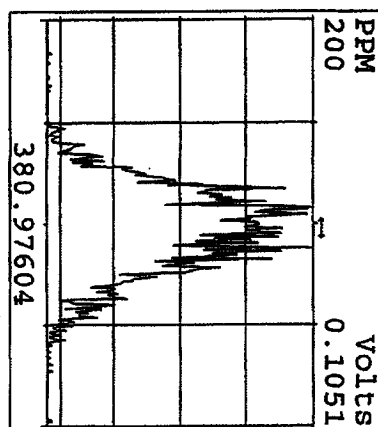
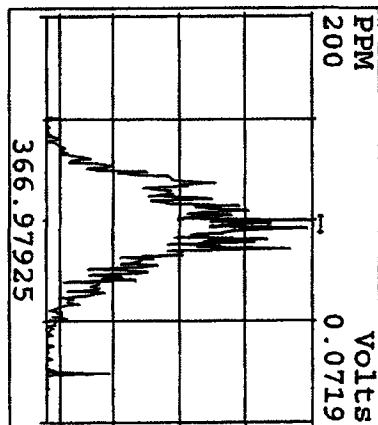
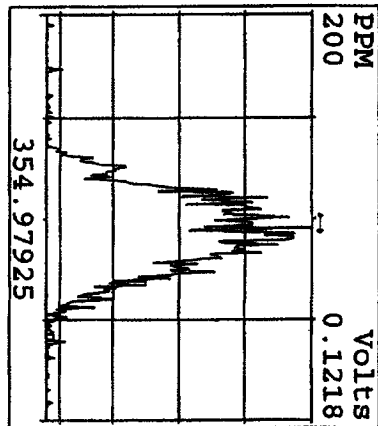
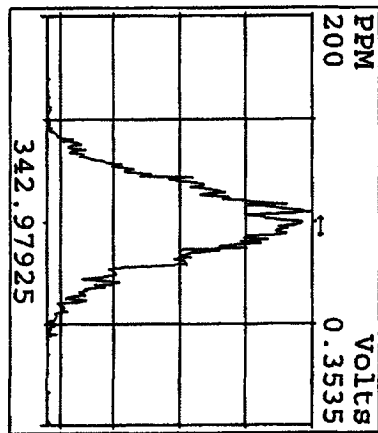
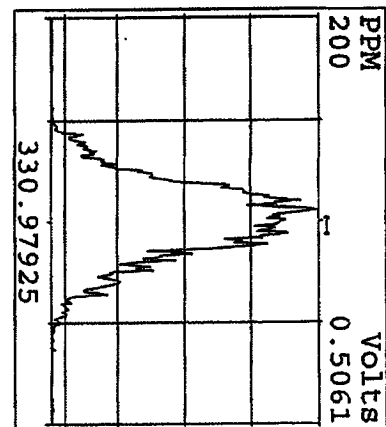
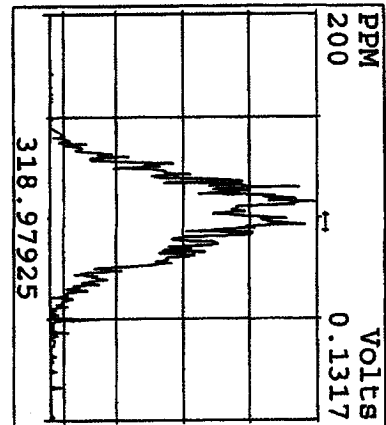
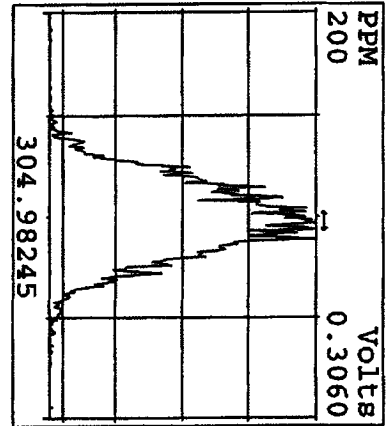
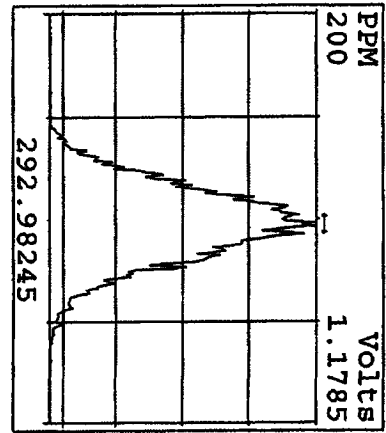
SIRLM Examination: 12-APR-2010:14:26 File: 12AP104D5
Experiment: DIOXINRES8290A Function: 7



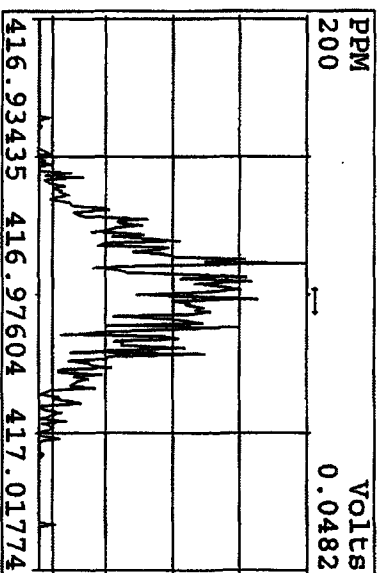
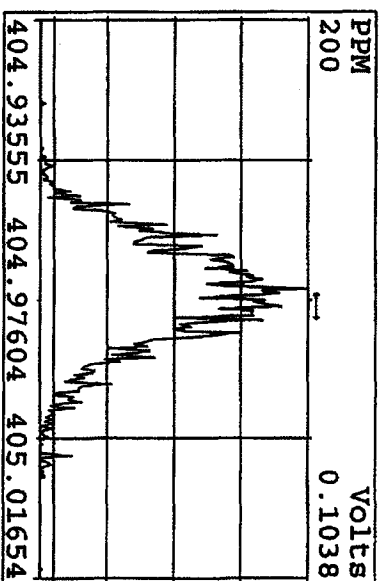
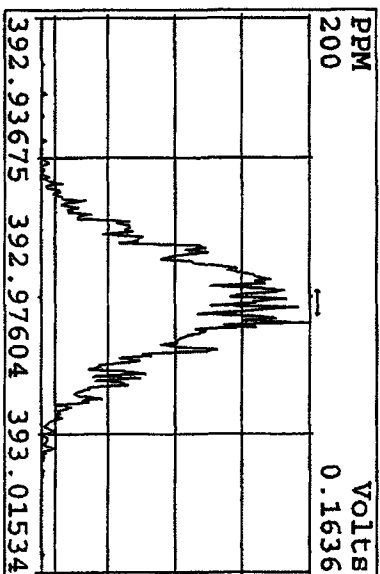
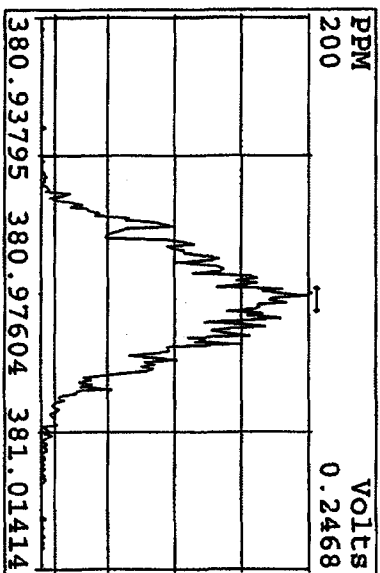
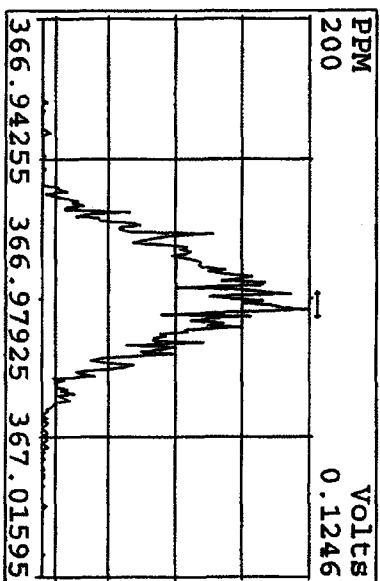
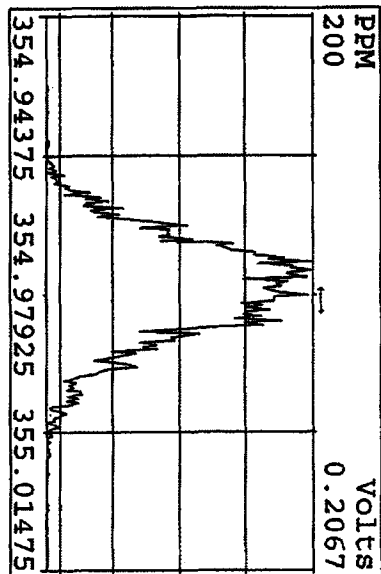
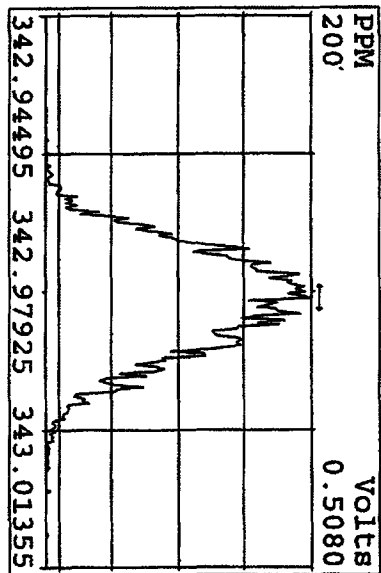
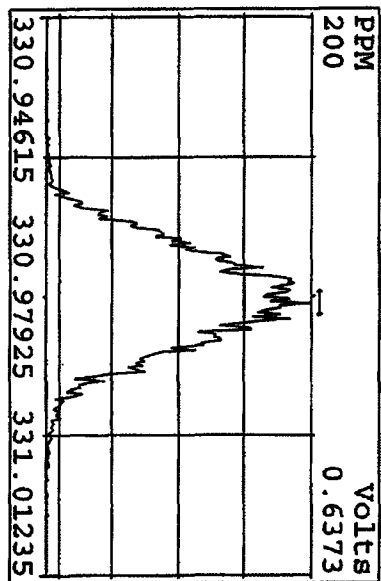
SIRIM Examination: 12-APR-2010: 14:25 File: 12API04D5
Experiment: DIOXINRES8290A Function: 6



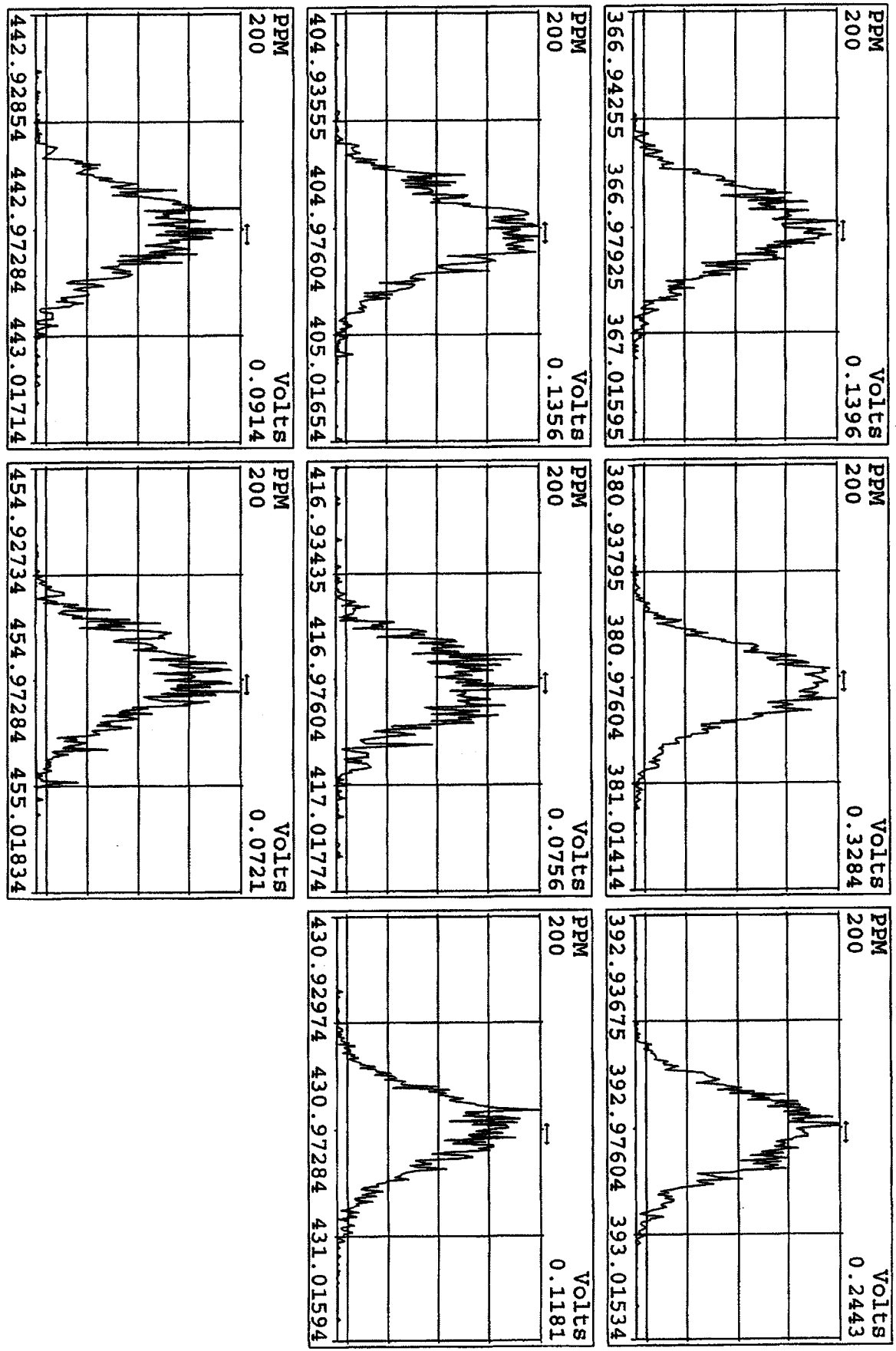
Peak Locate Examination: 14-APR-2010:00:00 File: RESCHK12AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



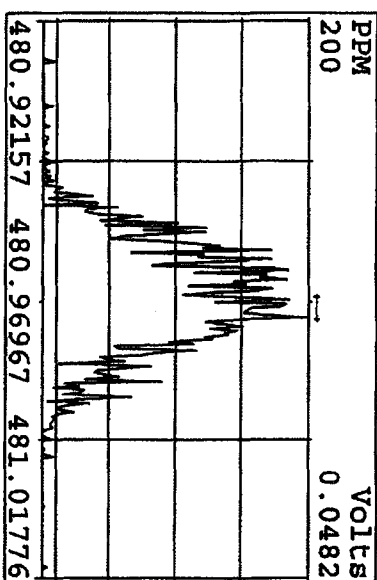
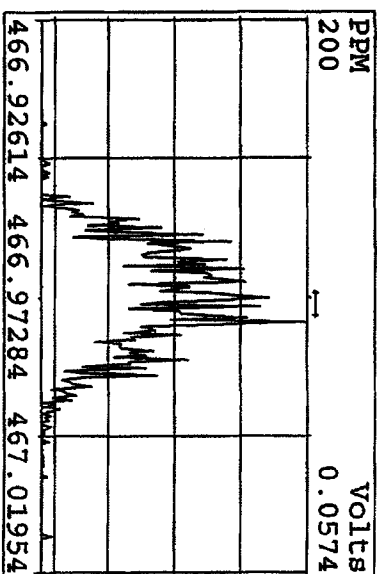
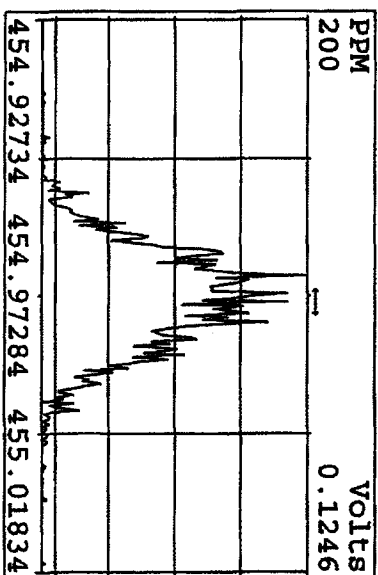
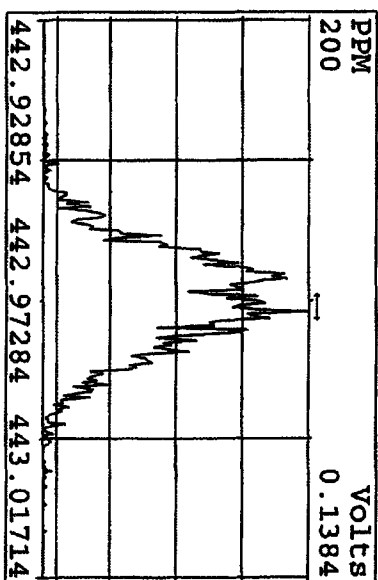
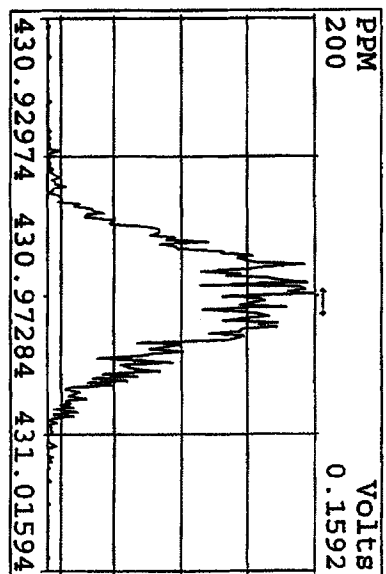
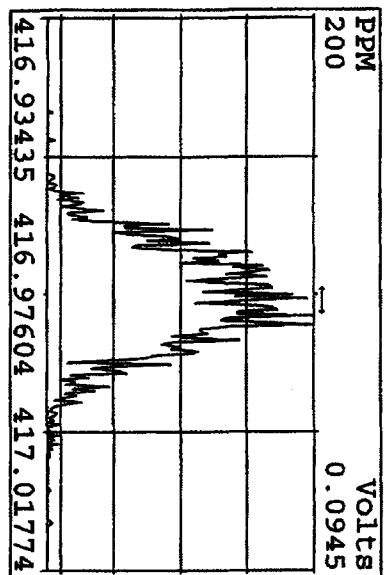
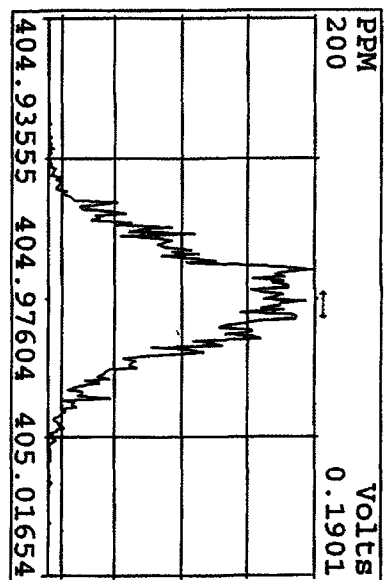
Peak Locate Examination: 14-APR-2010:00:01 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



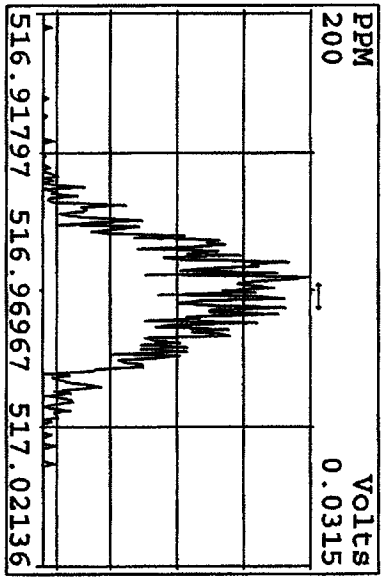
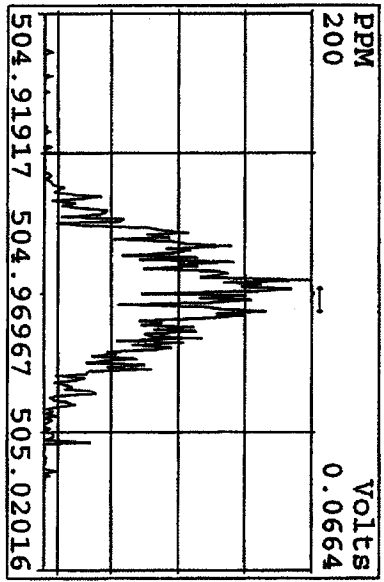
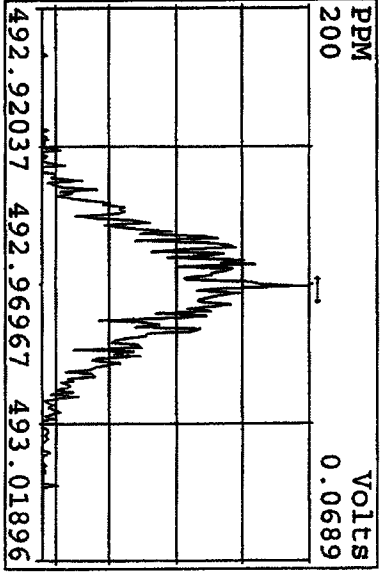
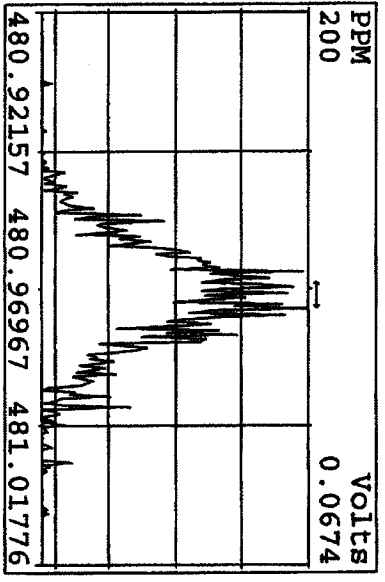
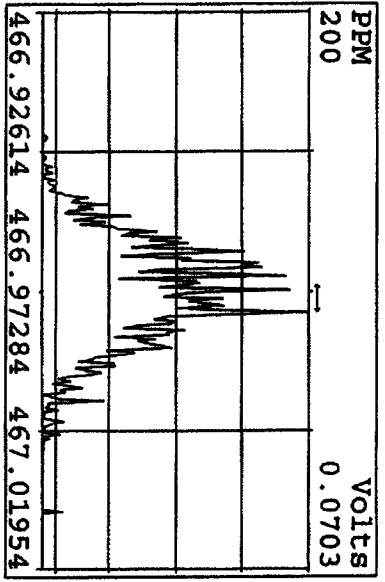
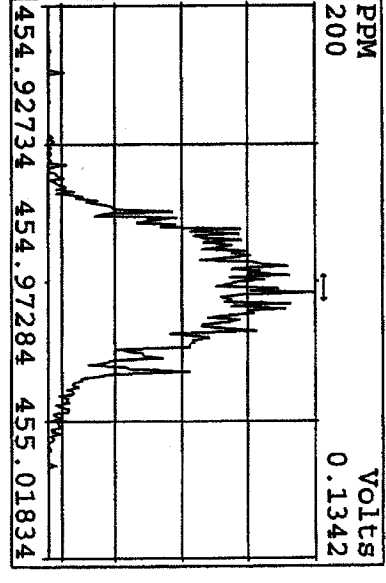
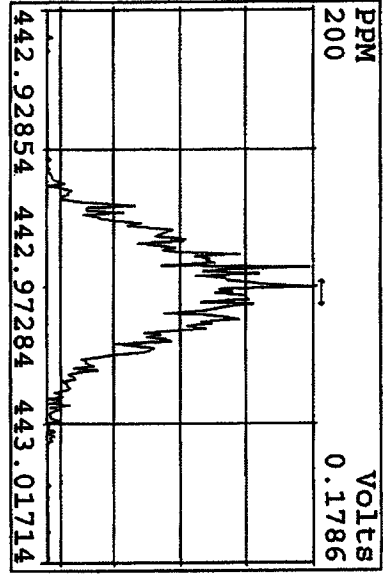
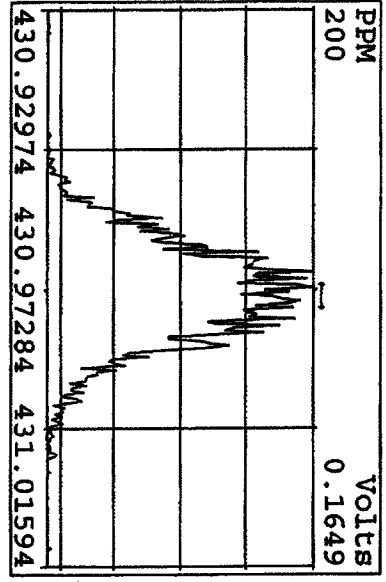
Peak Locate Examination: 14-APR-2010:00:01 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



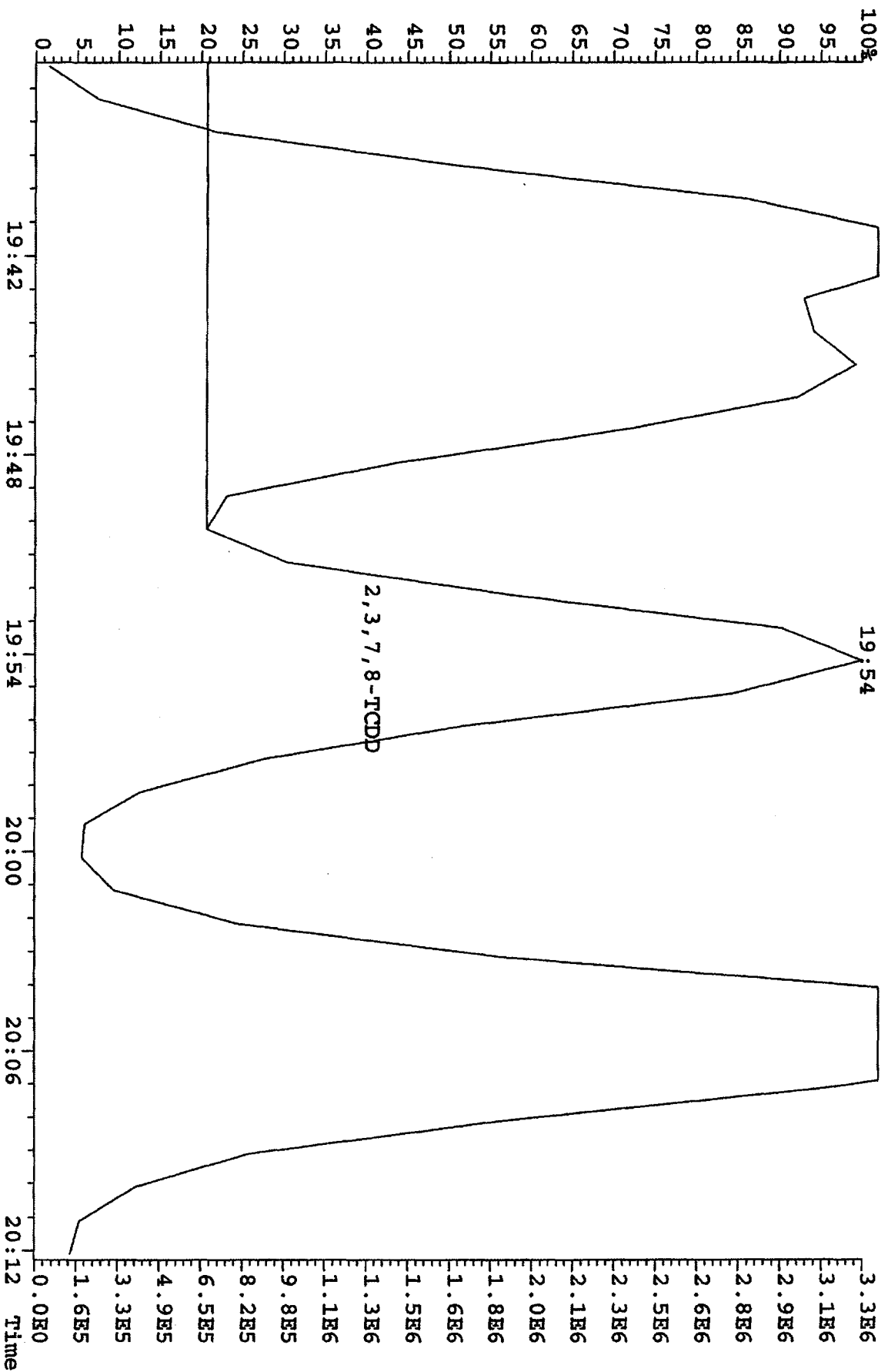
Peak Locate Examination: 14-APR-2010:00:02 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFX



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 EI+ Voltage SIR Autospec-UltimaE
 321.8936 BSUB(128,15,-3.0) Exp: DIOXINRES8290A Noise: 14

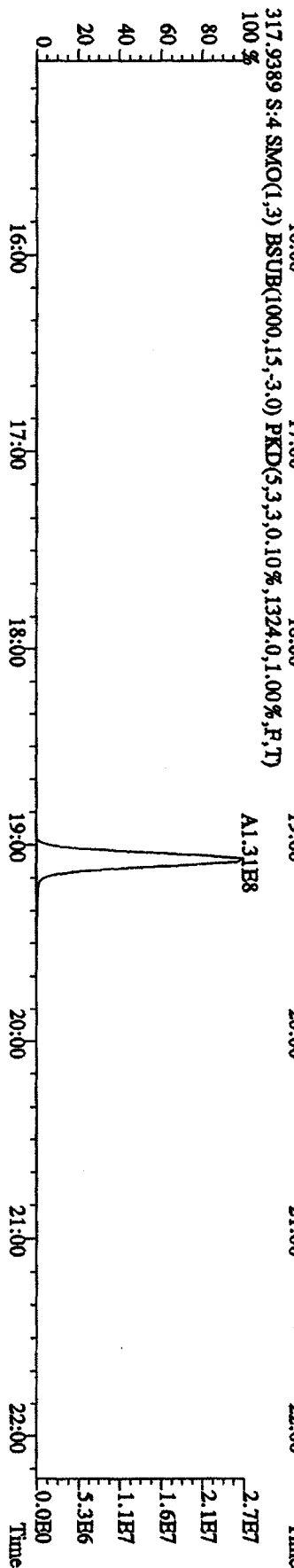
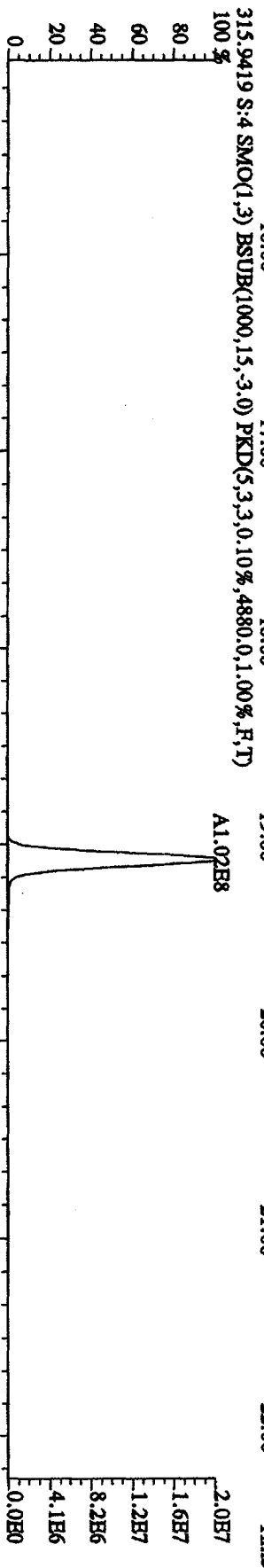
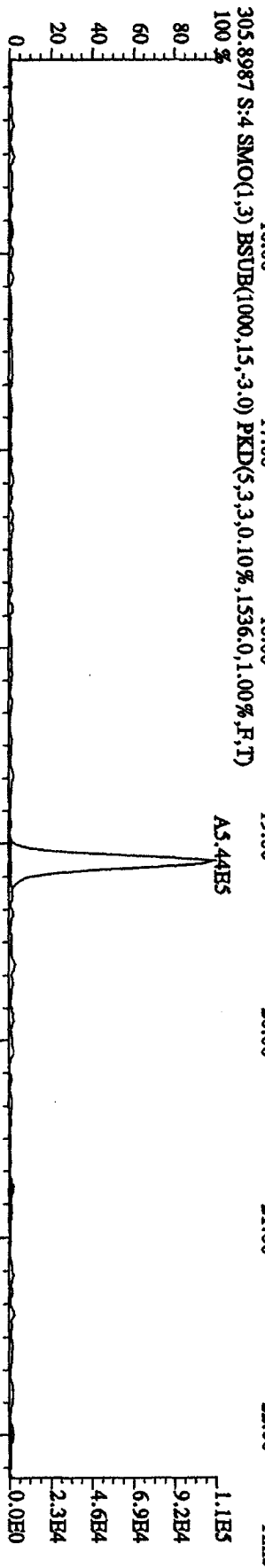
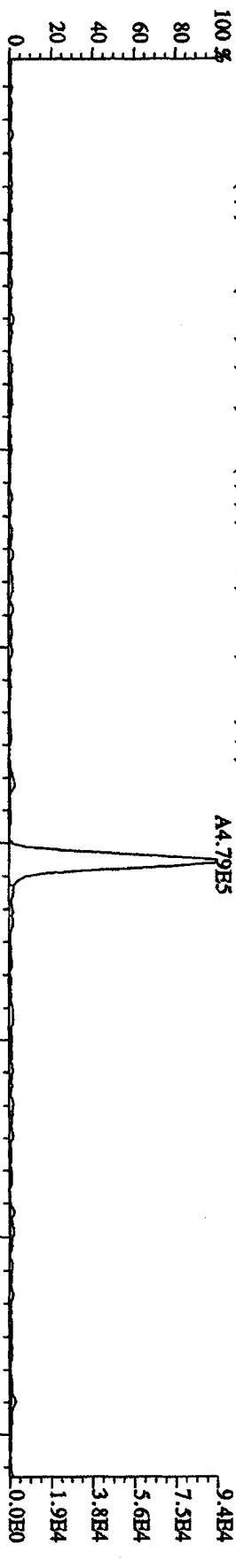


Run text: ST0412E Sample text: ST0412E :2nd Source 09DXN449
 Run #6 Filename: 12AP104D5 S: 7 I: 1 Results: 12AP104D58290A
 Acquired: 12-APR-10 13:00:53 Processed: 12-APR-10 13:48:00
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

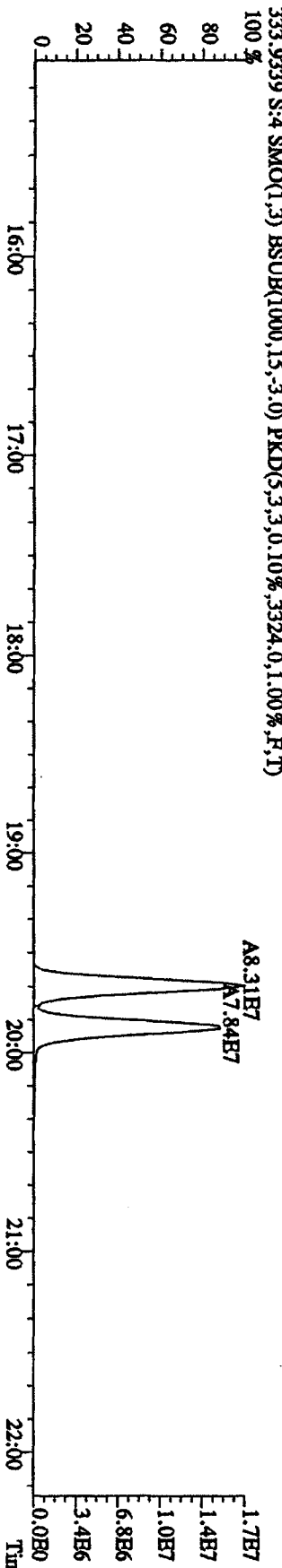
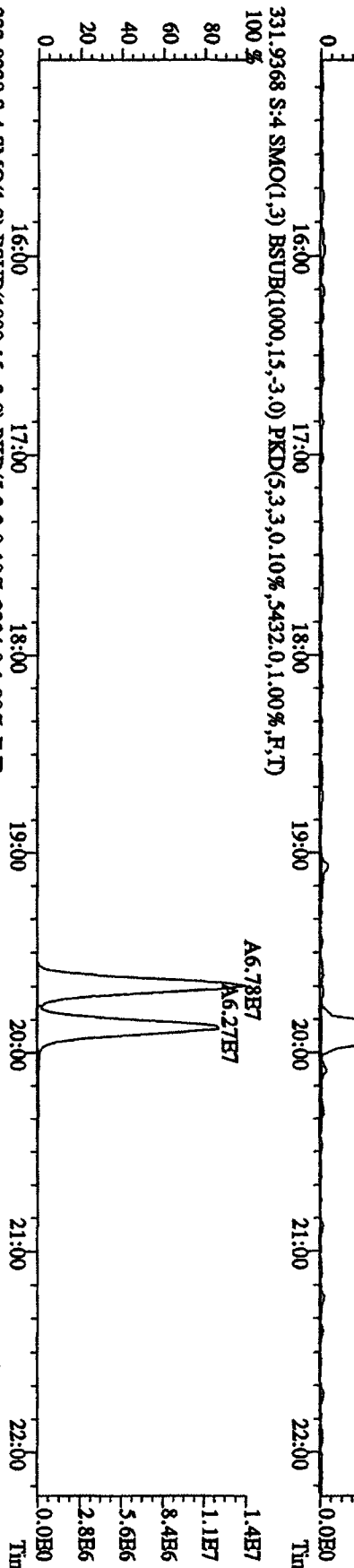
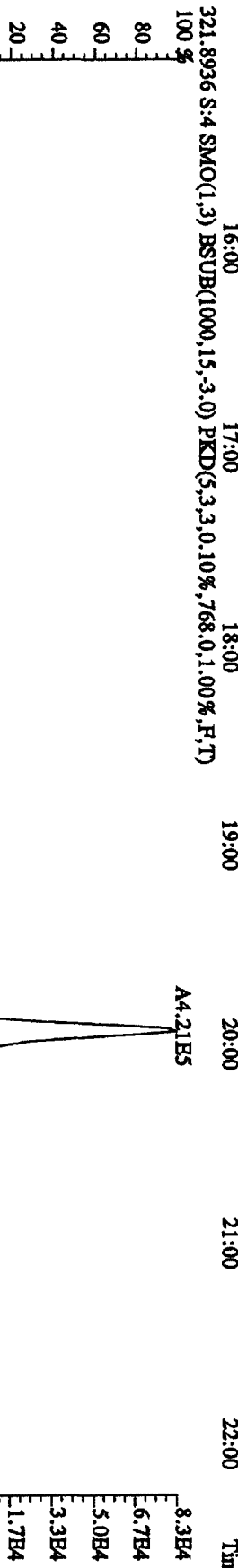
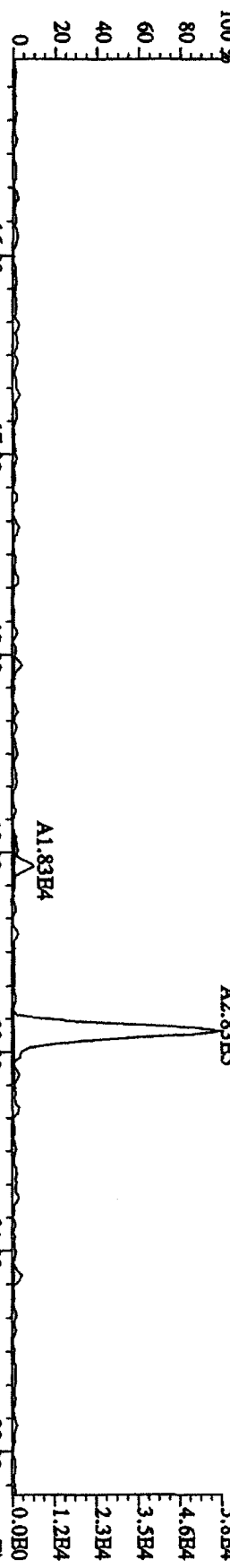
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	151409600	0.82 y	19:40	-	113.81	-	-	n
13C-2,3,7,8-TCDF	230171000	0.79 y	19:04	1.52	1999.28	0.93	100.0	n
2,3,7,8-TCDF	21242270	0.79 y	19:05	0.95	195.26	0.34	-	n
Total TCDF	21588235	1.02 n	18:04	0.95	198.44	0.34	-	n
13C-2,3,7,8-TCDD	152072000	0.79 y	19:52	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

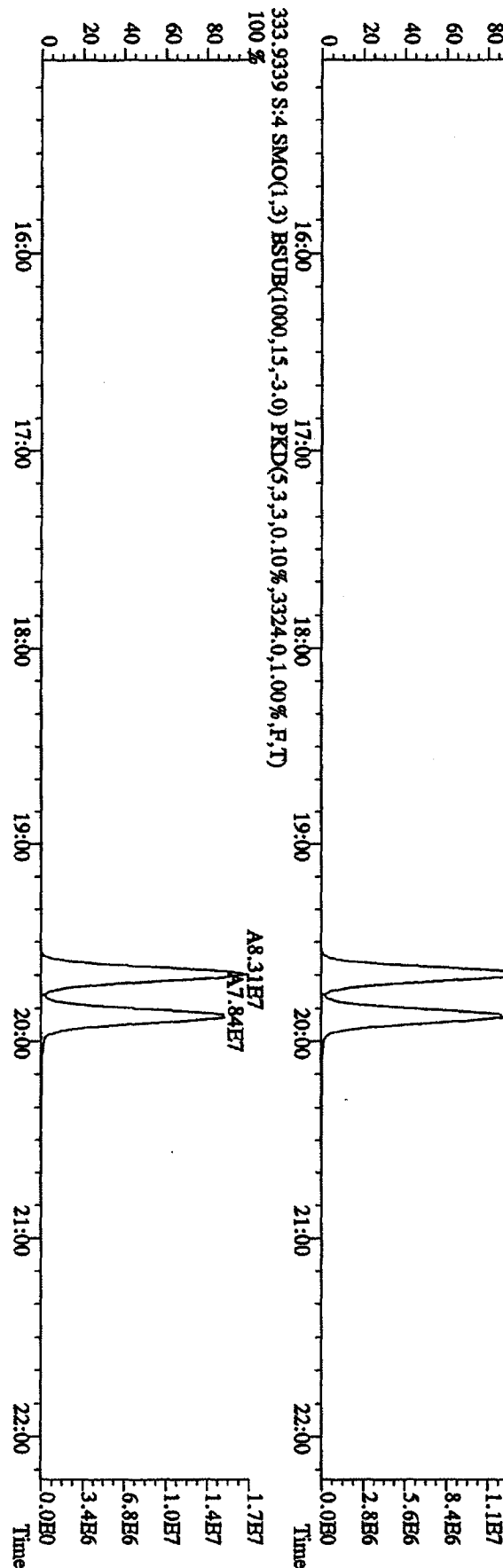
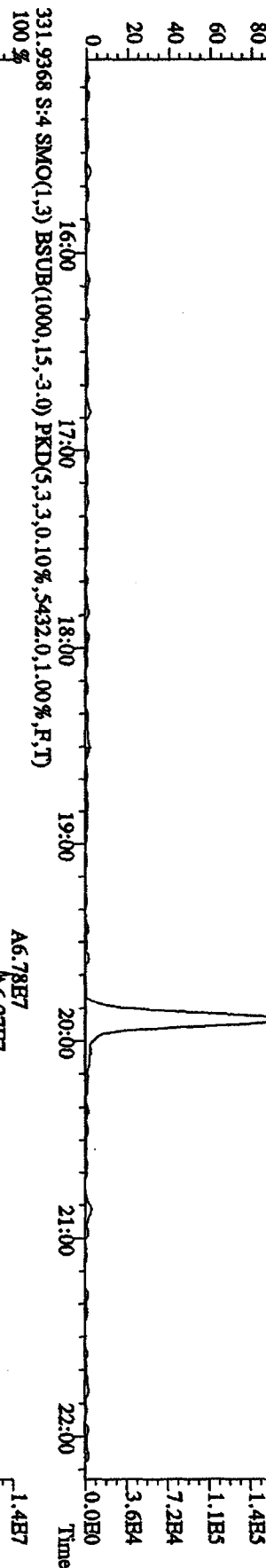
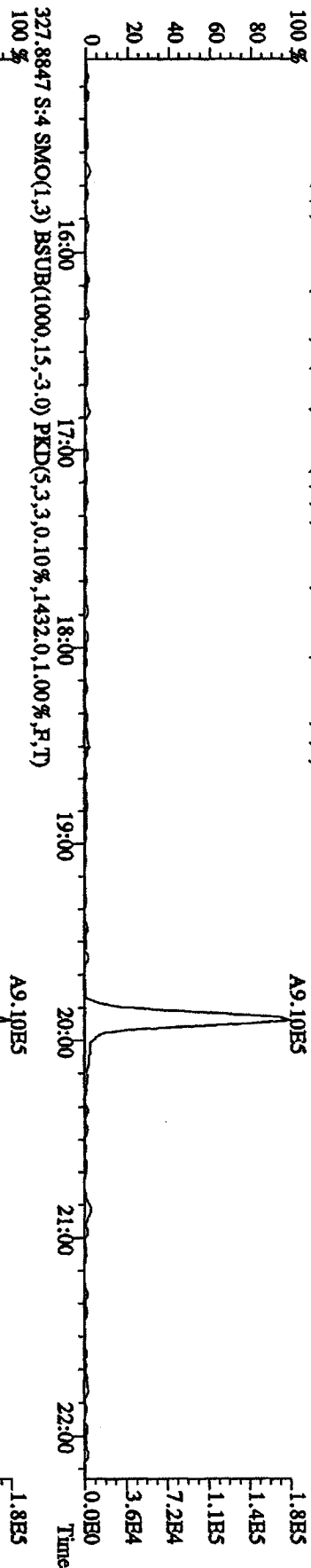
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:48:47 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1084,0,1,00%,F,T)



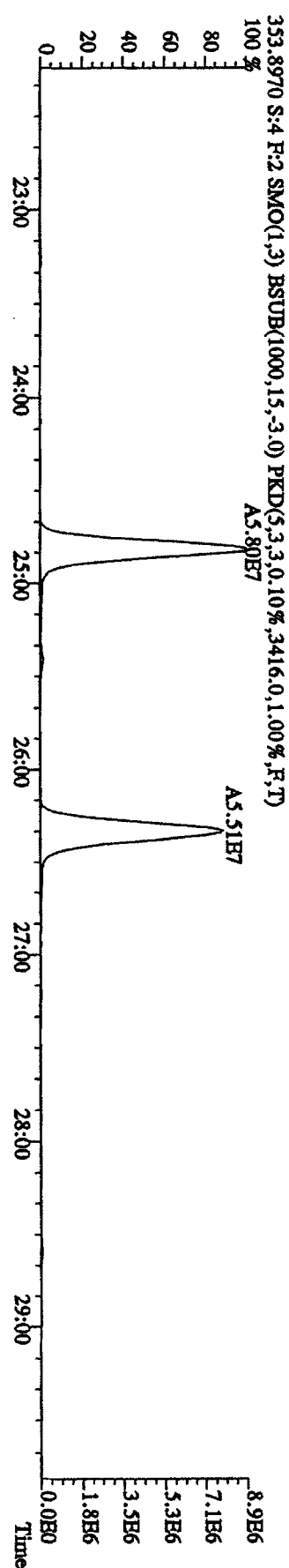
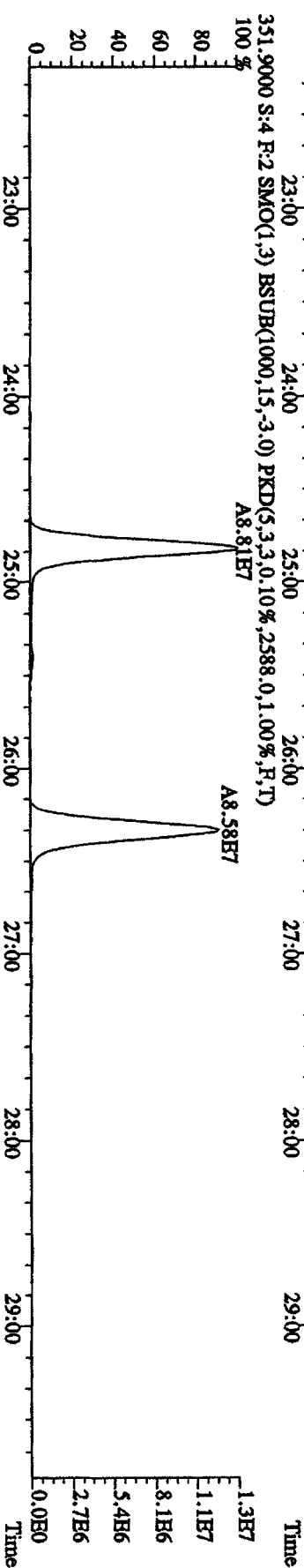
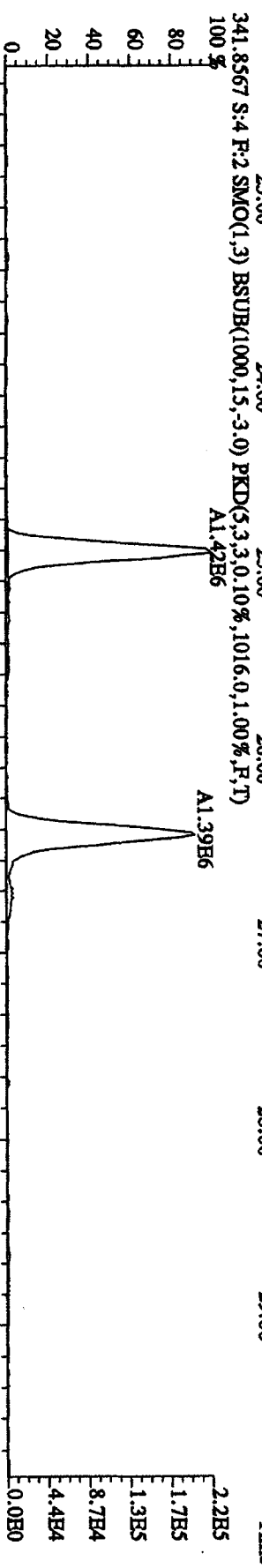
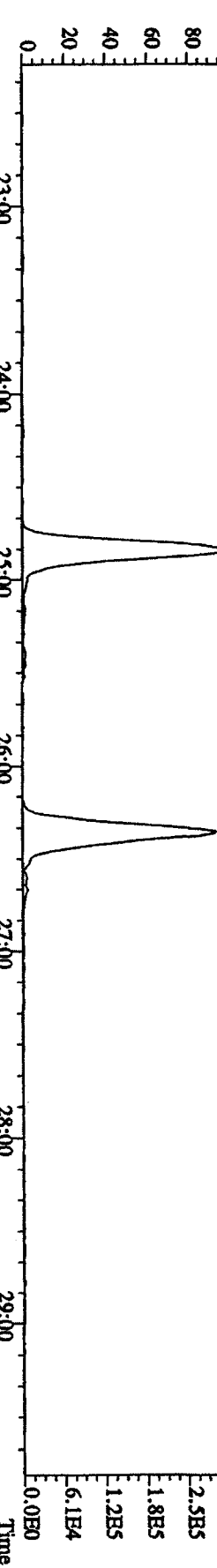
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UtimaE
 Sample#4 Text:ST0412B :CS-1.09DXN422 Exp:DIOXINRES8290A
 319.8965 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,840,0,1.00%,F,T)
 100%



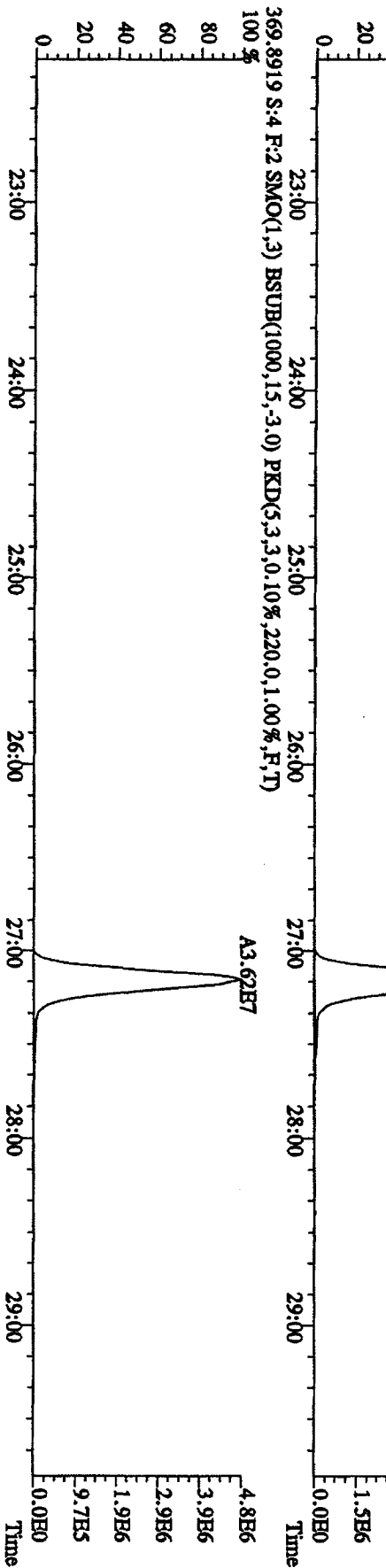
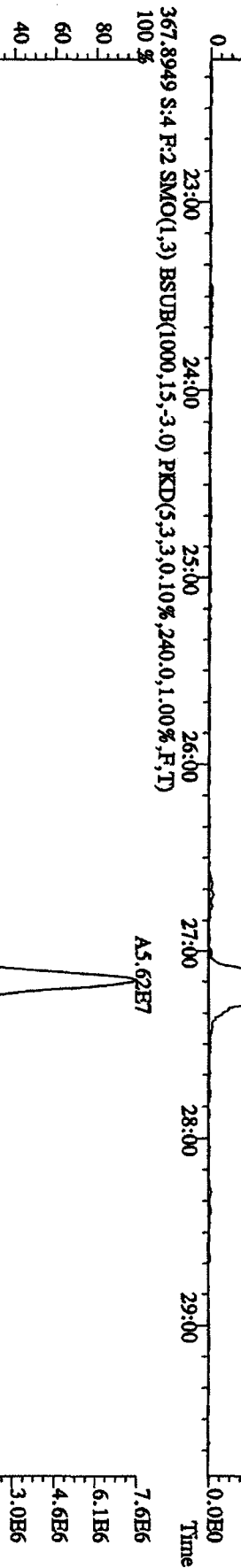
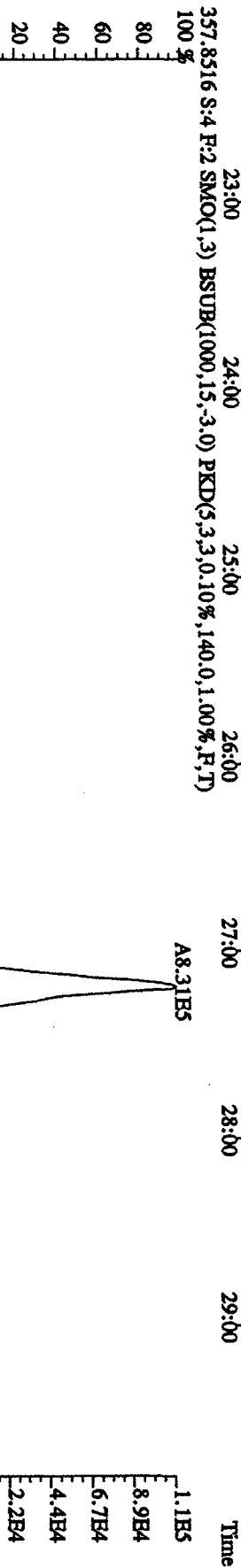
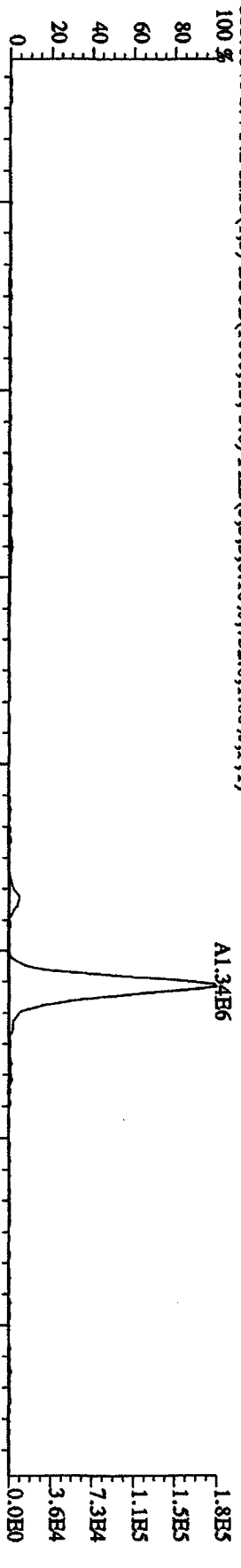
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:48:47 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0412B : CS-1 09DXN422 Exp: DIOXINRES8290A
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1432.0,1.00%,F,T)



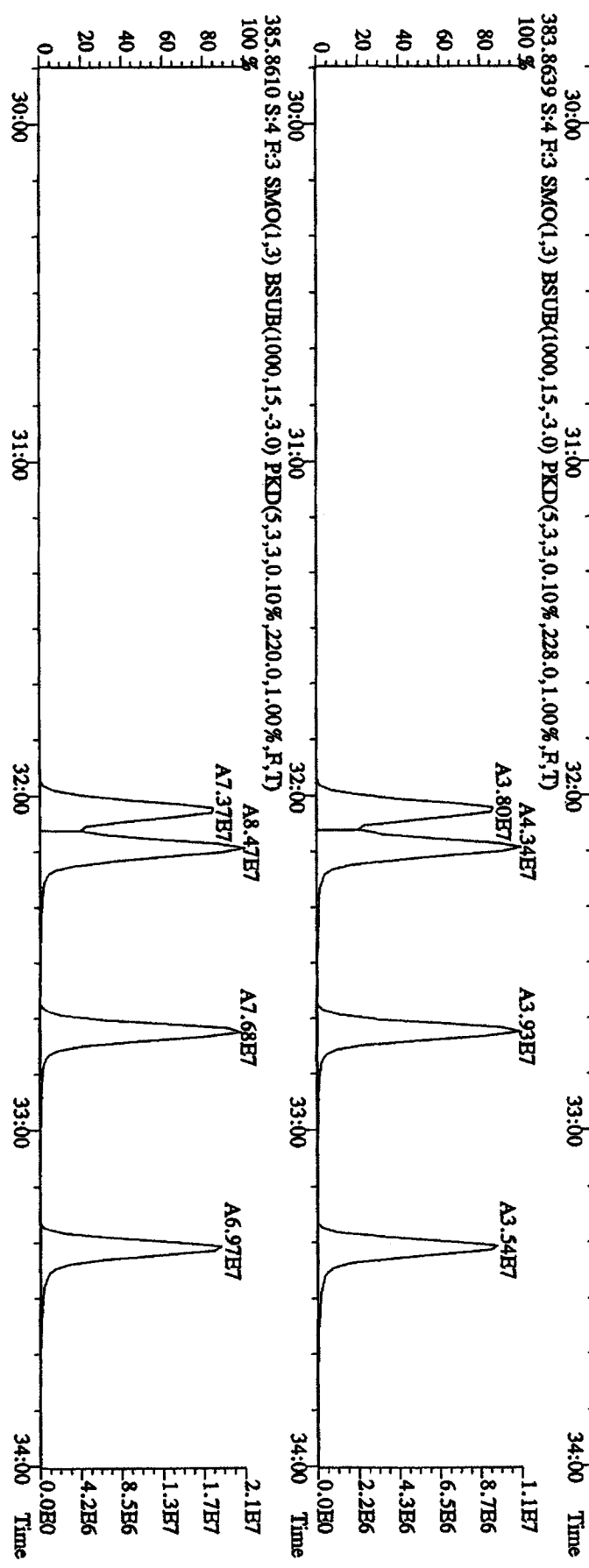
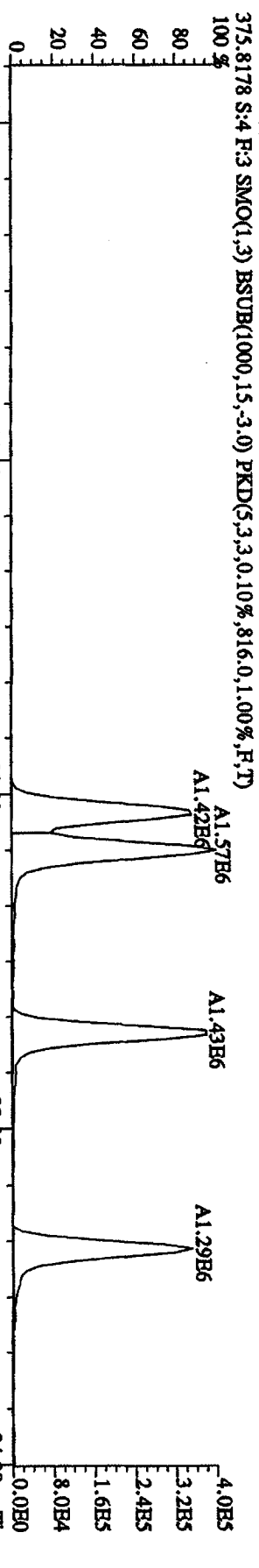
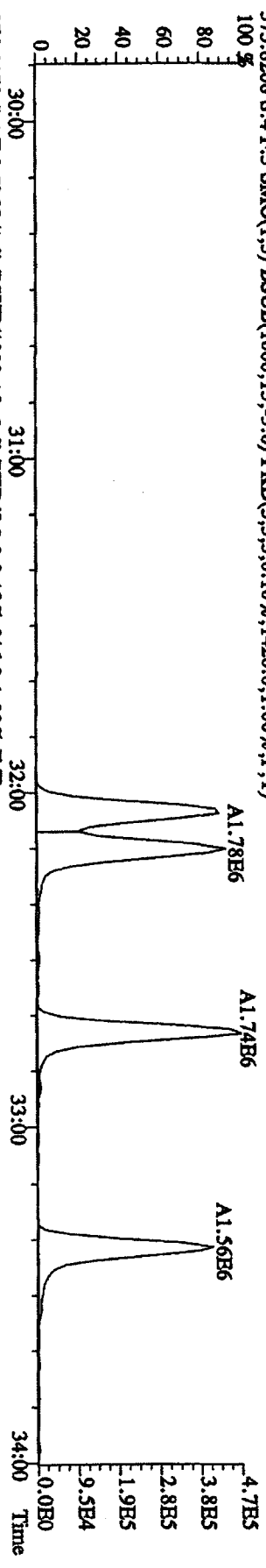
File: 12AP104D5 #1-604 Acq: 12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,400,0,1,00%,F,T)
 100%



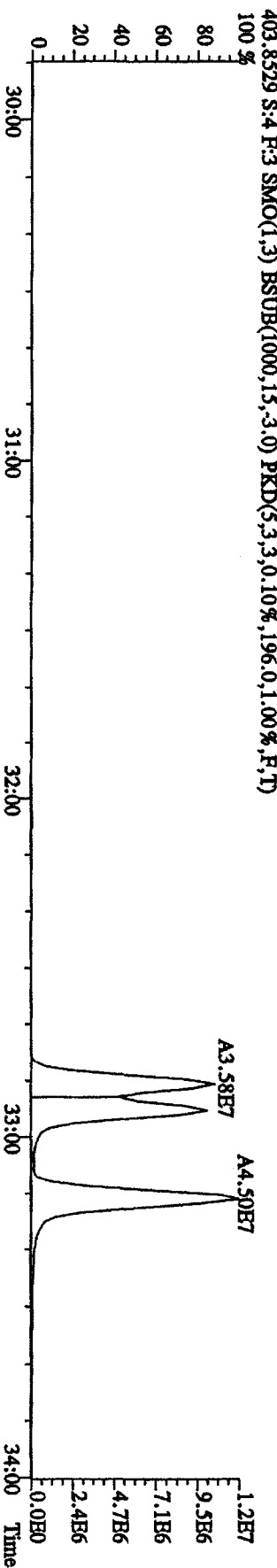
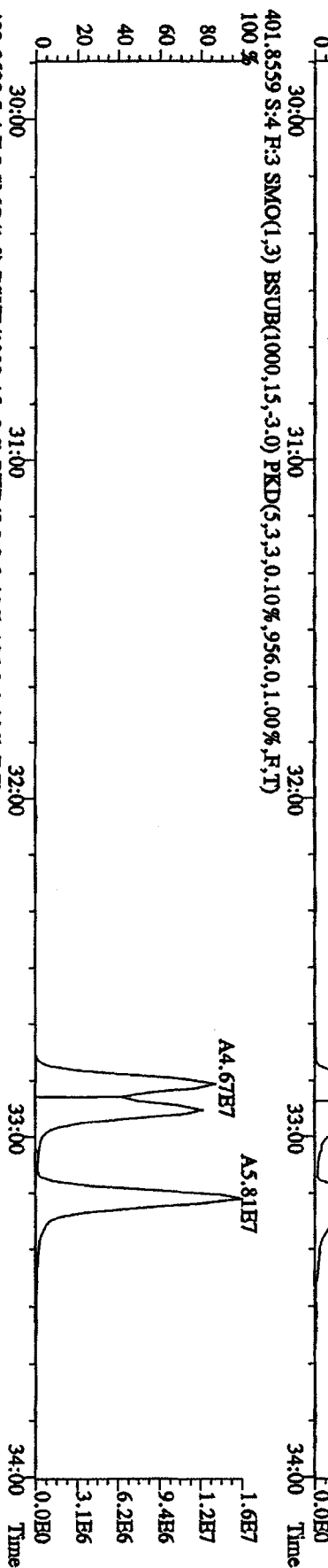
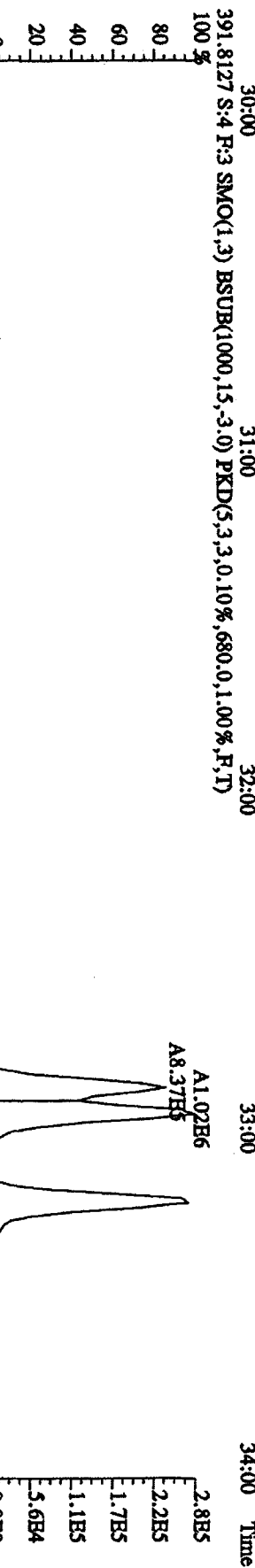
File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



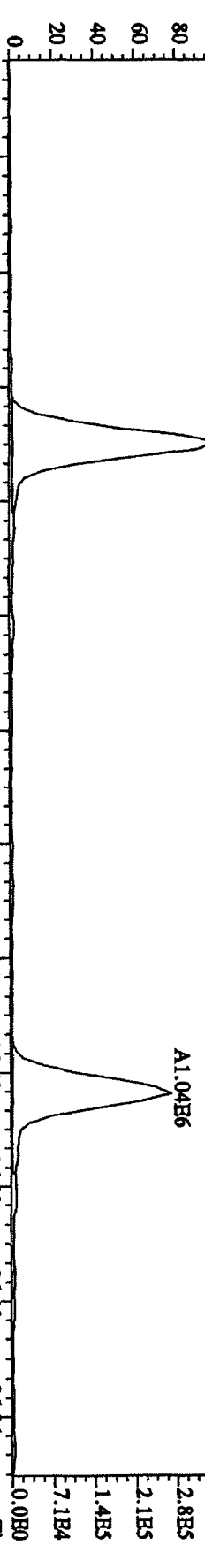
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC EI + Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRBS8290A
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1420,0,1,00%,F,T)



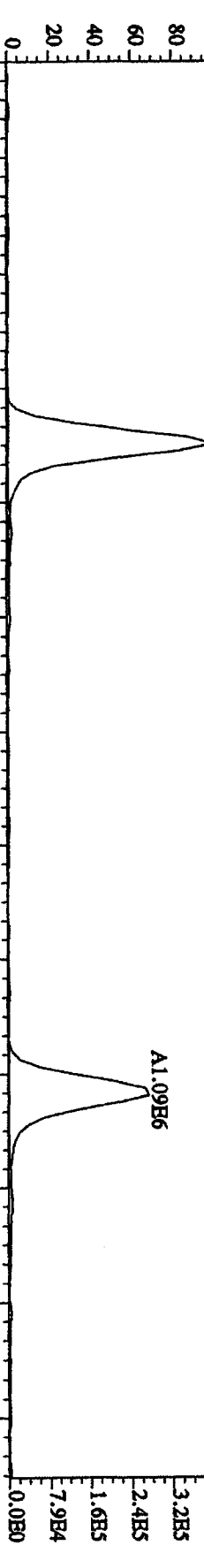
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC HF+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)



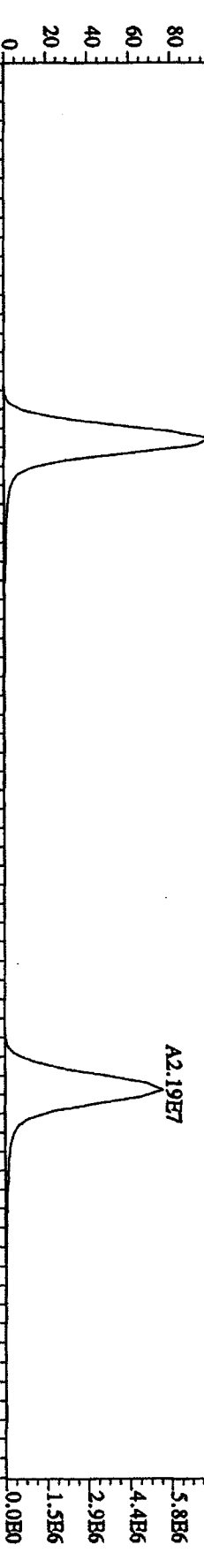
File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4044.0,1.00%,F,T)
 100% A1.29E6



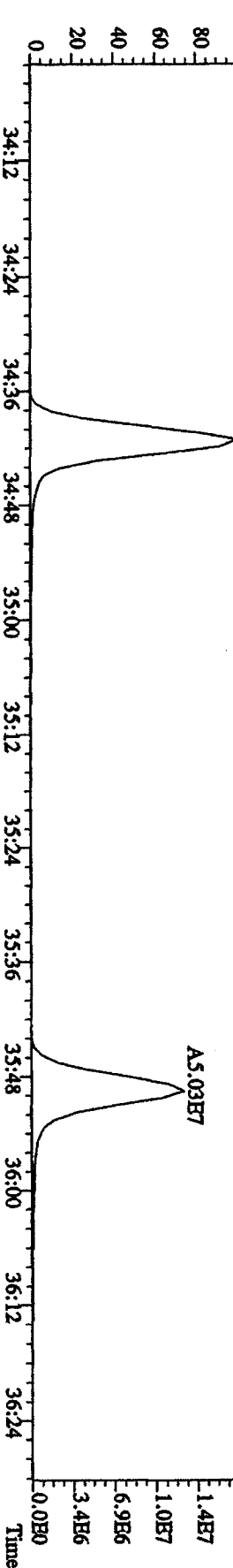
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2496.0,1.00%,F,T)
 100% A1.40E6



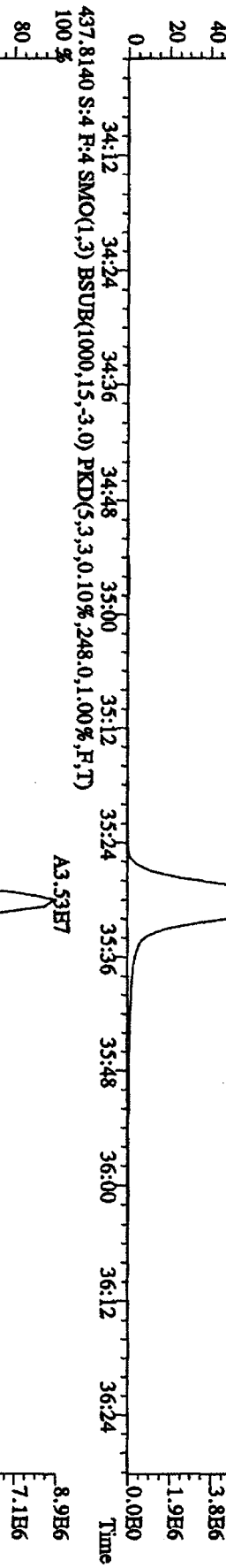
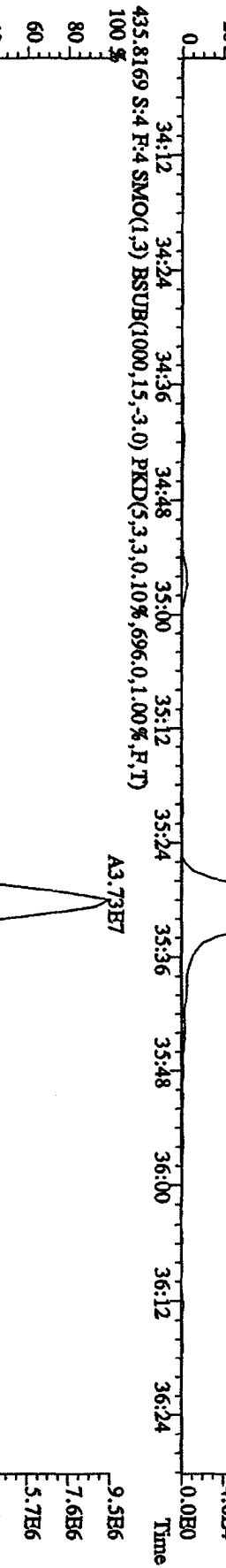
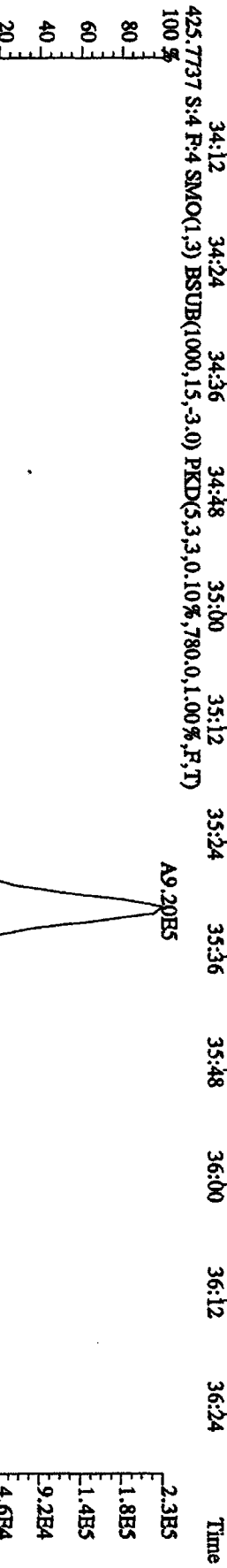
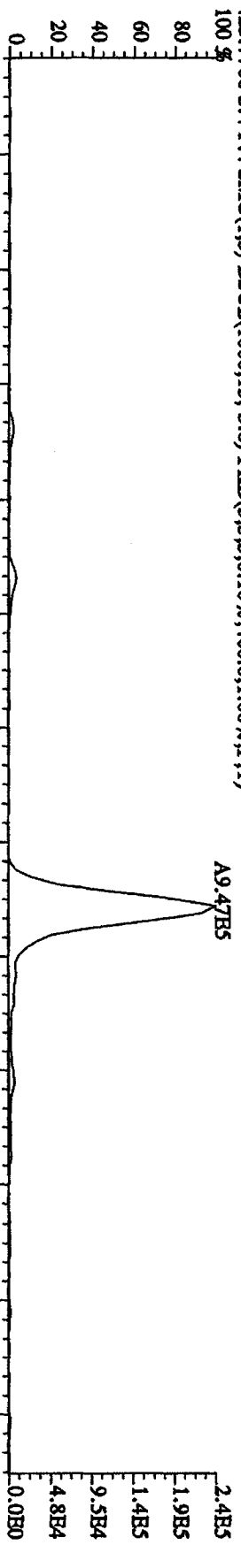
417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5368.0,1.00%,F,T)
 100% A2.64E7



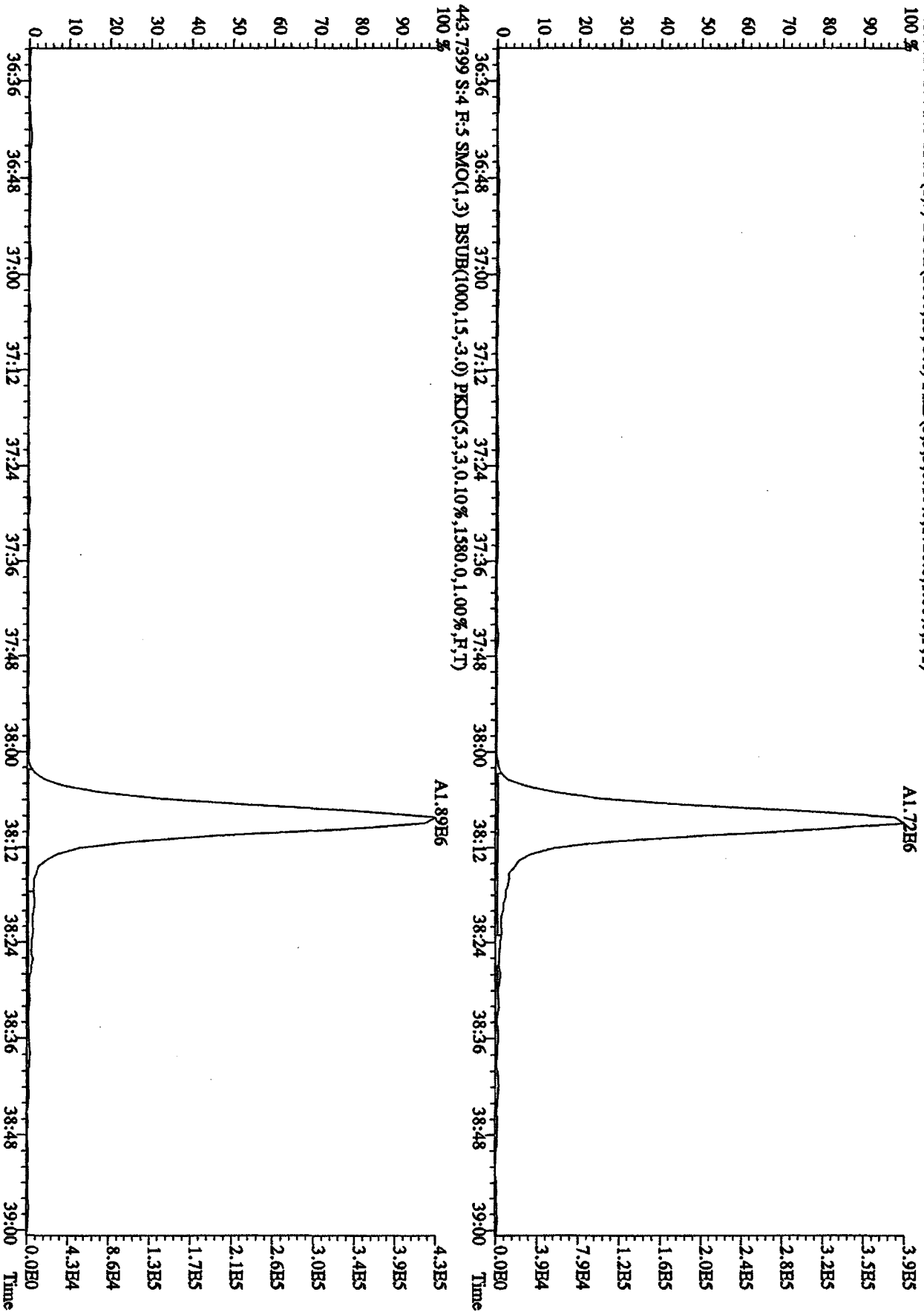
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14828.0,1.00%,F,T)
 100% A6.29E7



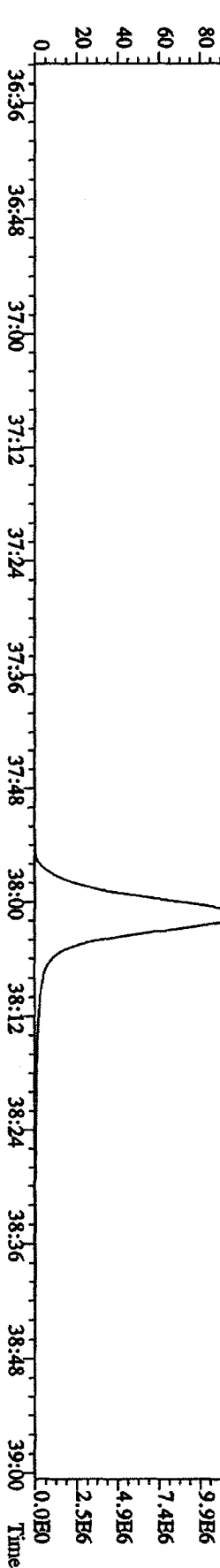
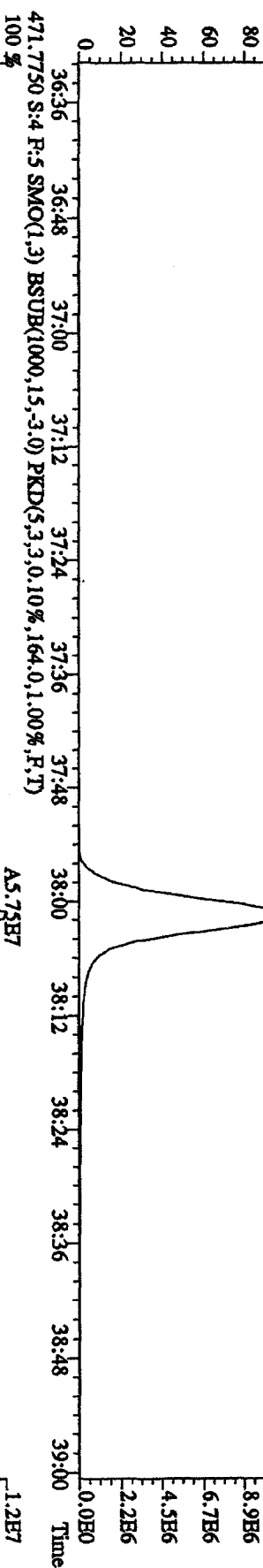
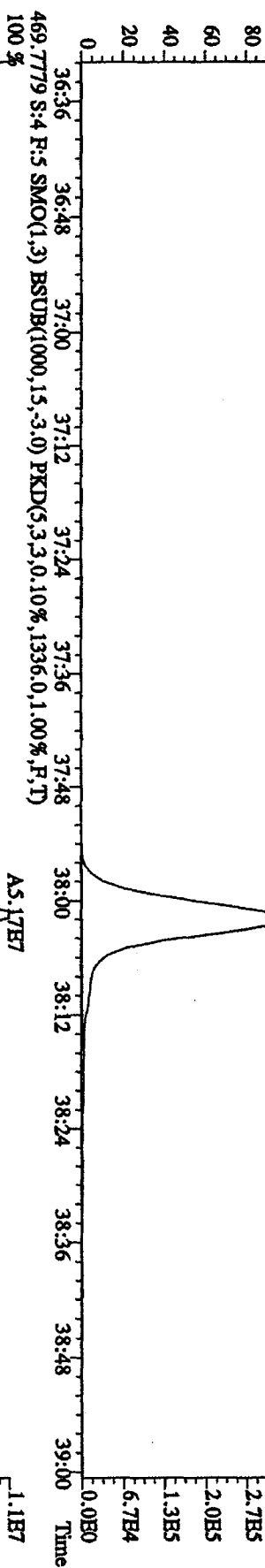
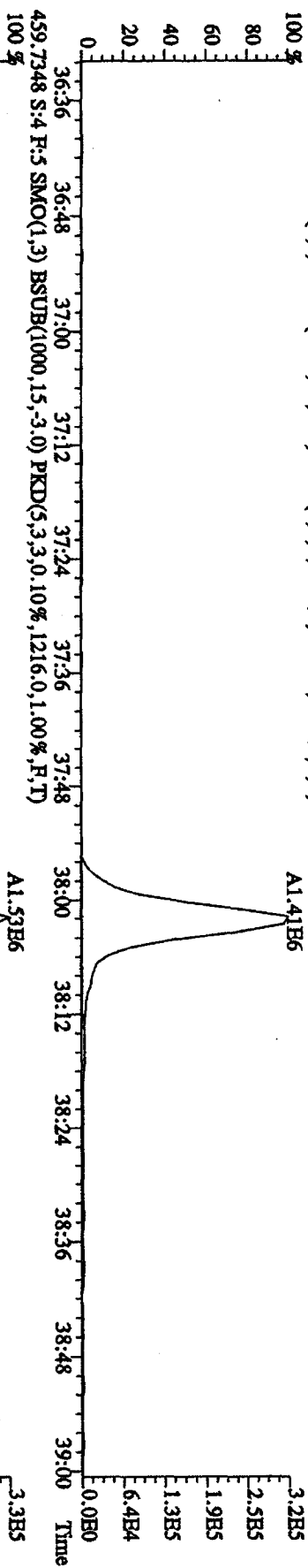
File: 12AP104D5 #1-198 Acq: 12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A
 423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,460.0,1.00%,F,T)



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
 441.7428 S: 4 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1720,0,1,100%,F,T) 100%

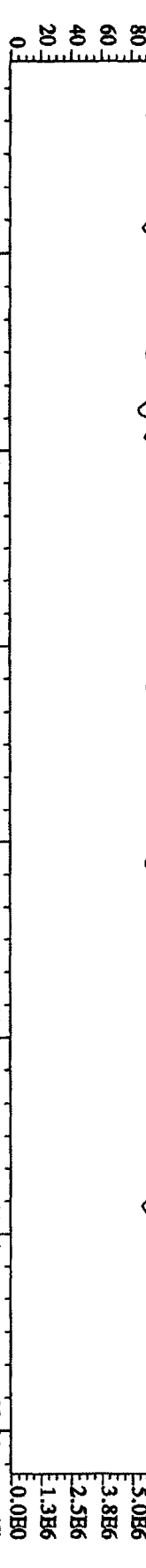


File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:STU412B :CS-1 09DDXN422 Exp:DIOXINRES8290A
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1816.0,1.00%,F,T) 100%



File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC HI + Voltage SIR Autospec-Ultimate

Sample#4 Text:ST0412B :CS-1-09DXN422 Exp:DIOXINRES8290A
 354.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 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)



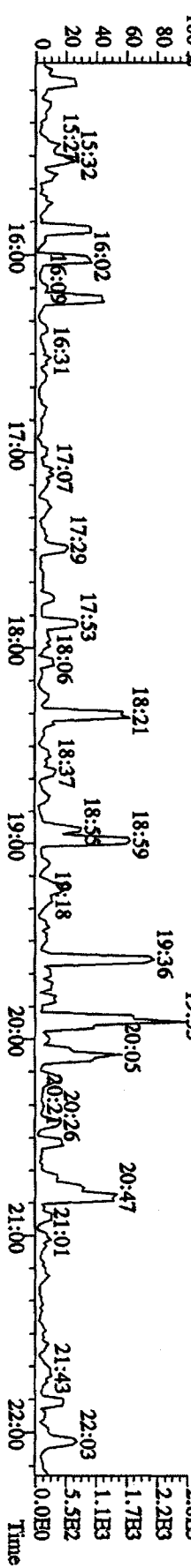
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1536,0,1.00%,F,T)



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,196,0,1.00%,F,T)

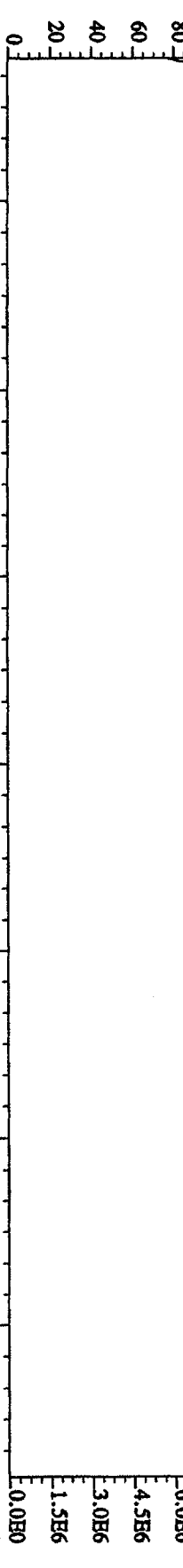


409.7974 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,176,0,1.00%,F,T)

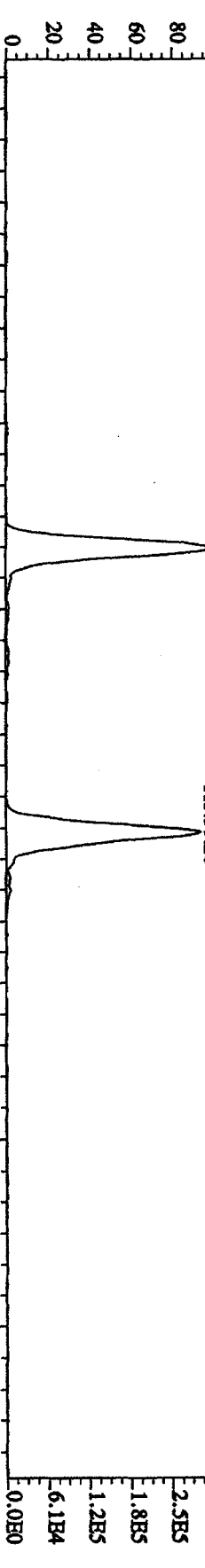


File: 12AP104D5 #1-604 Acq: 12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A

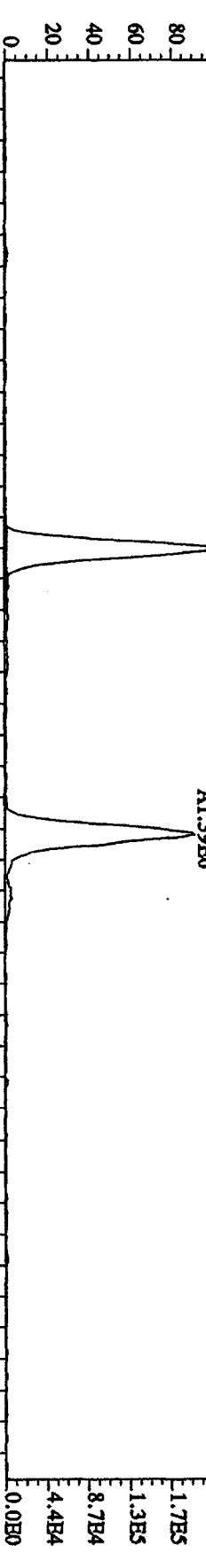
354.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 23:32 23:00 23:28 24:01 24:28 25:23 25:47 26:10 26:39 27:09 27:55 28:25 28:49 29:26



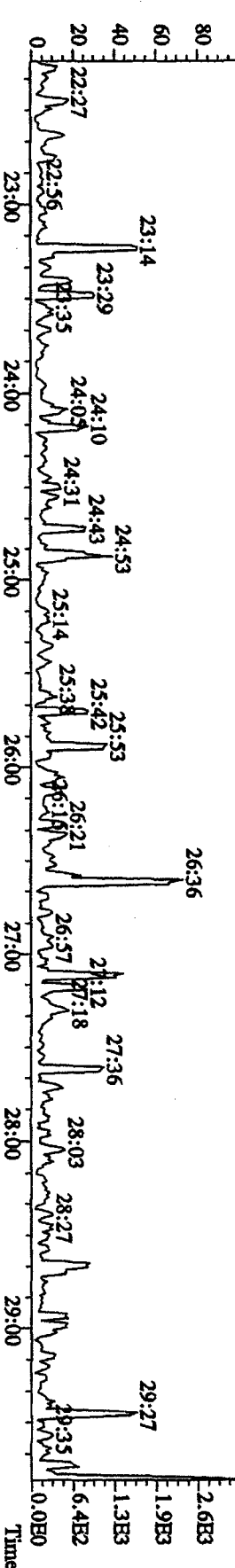
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,400.0,1.00%,F,T) 23:00 23:00 24:00 25:00 26:00 27:00 28:00 29:00



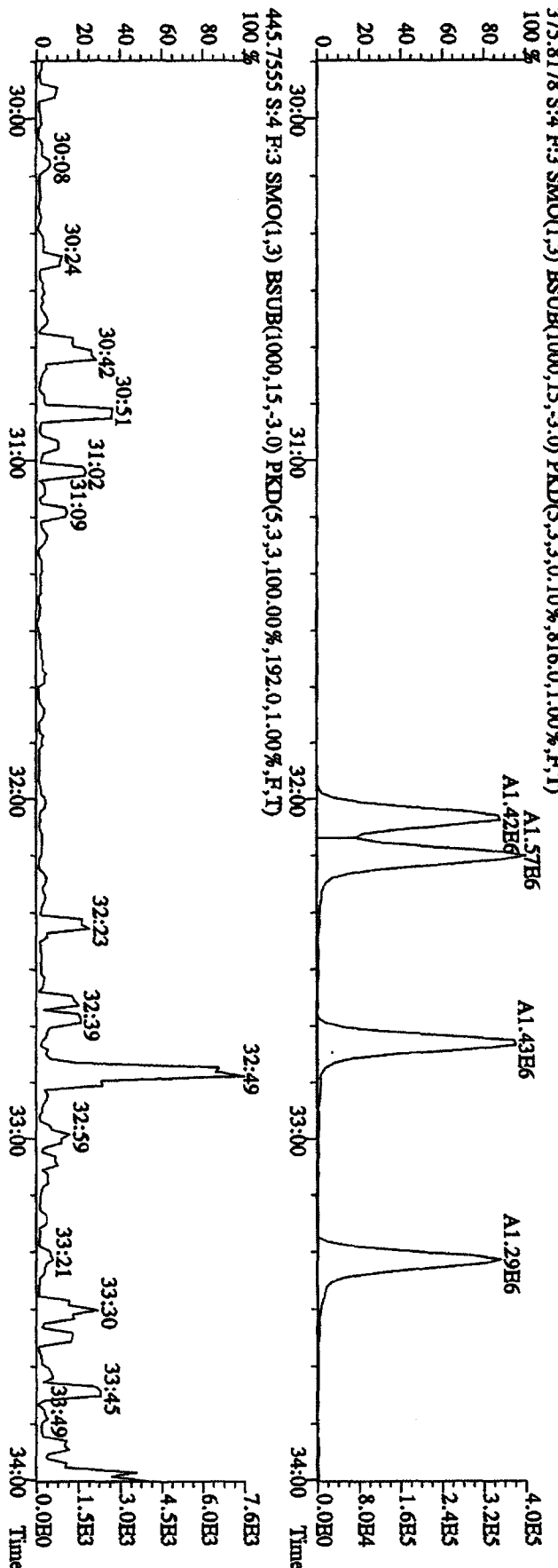
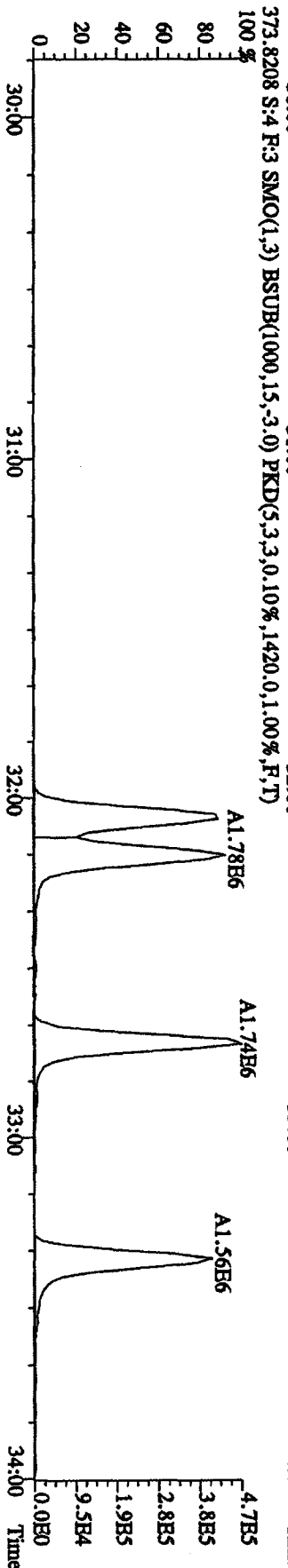
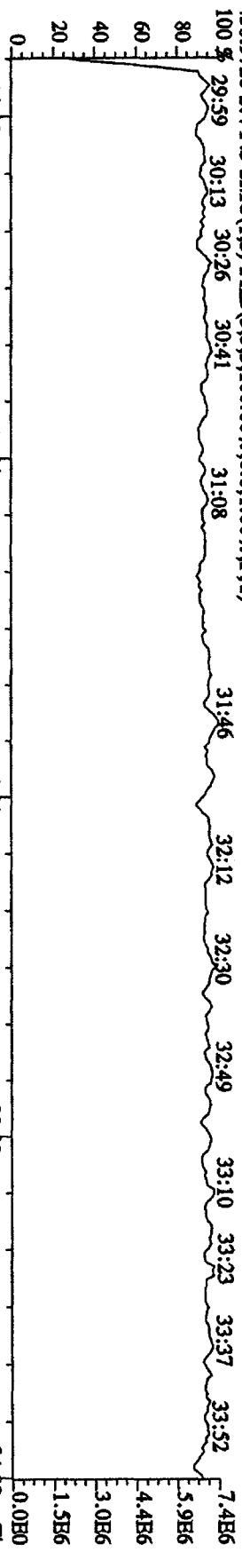
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1016.0,1.00%,F,T) 23:00 23:00 24:00 25:00 26:00 27:00 28:00 29:00



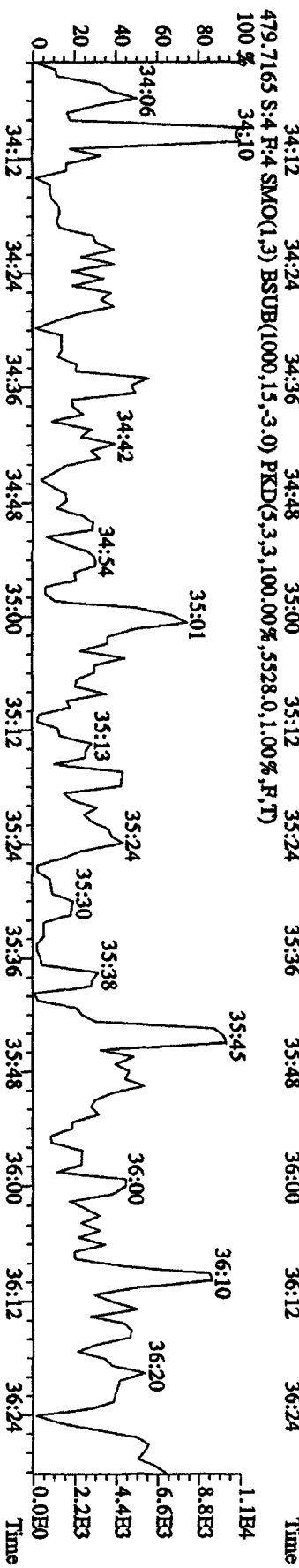
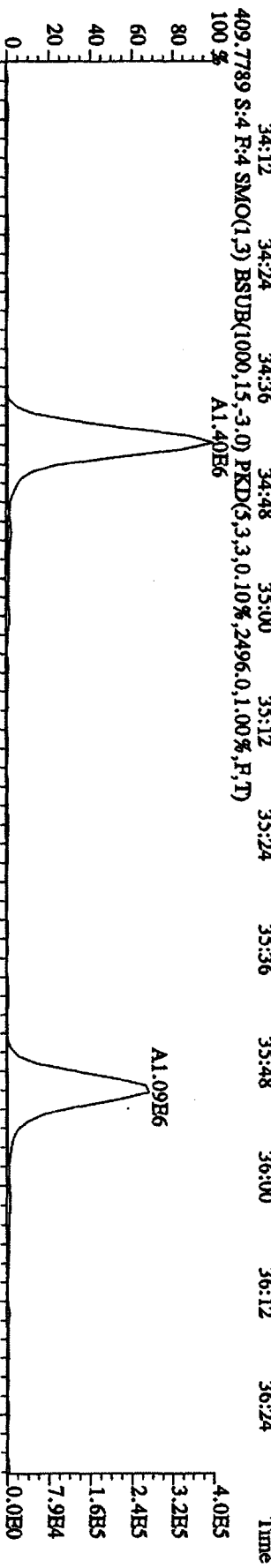
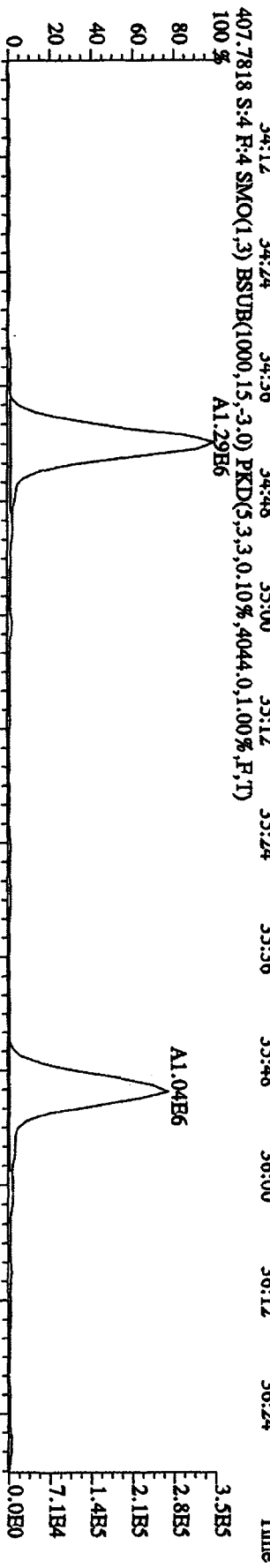
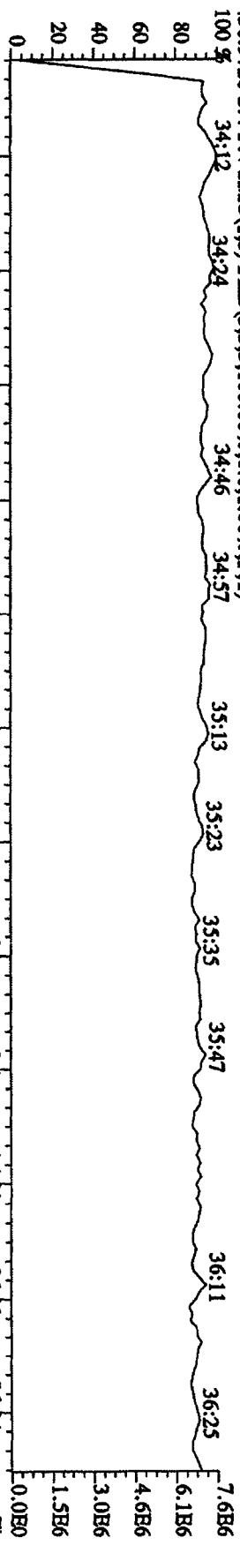
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,248.0,1.00%,F,T) 23:00 23:00 24:00 25:00 26:00 27:00 28:00 29:00



File: 12AP104D5 #1-317 Acq: 12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A

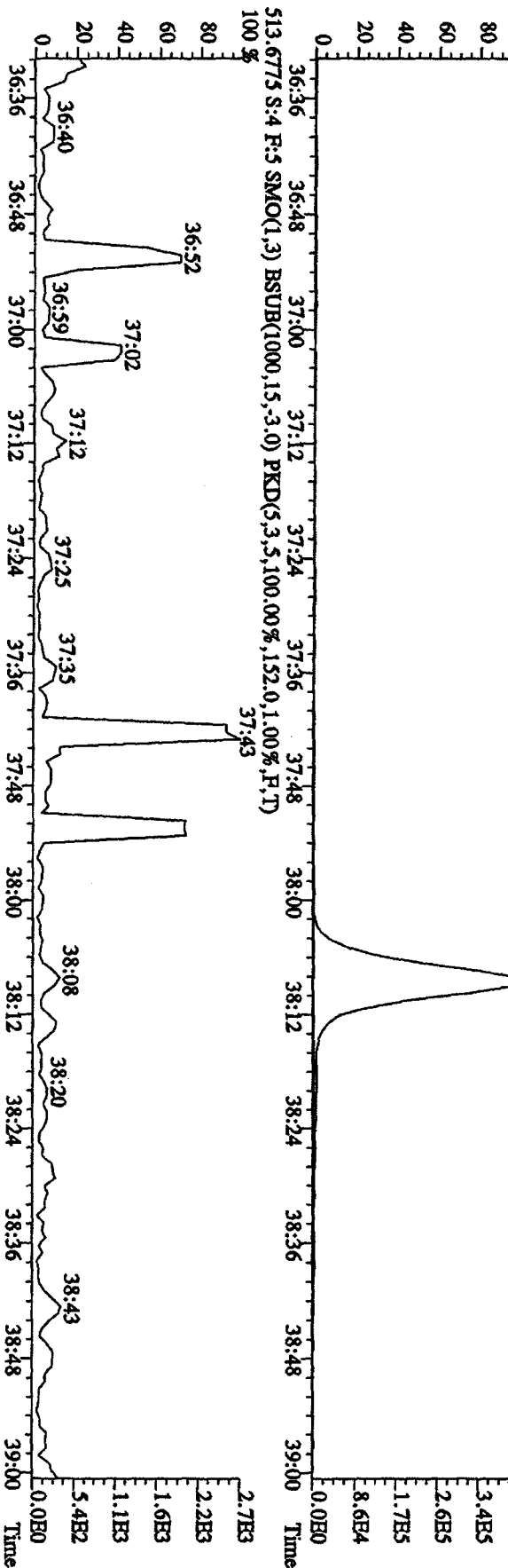
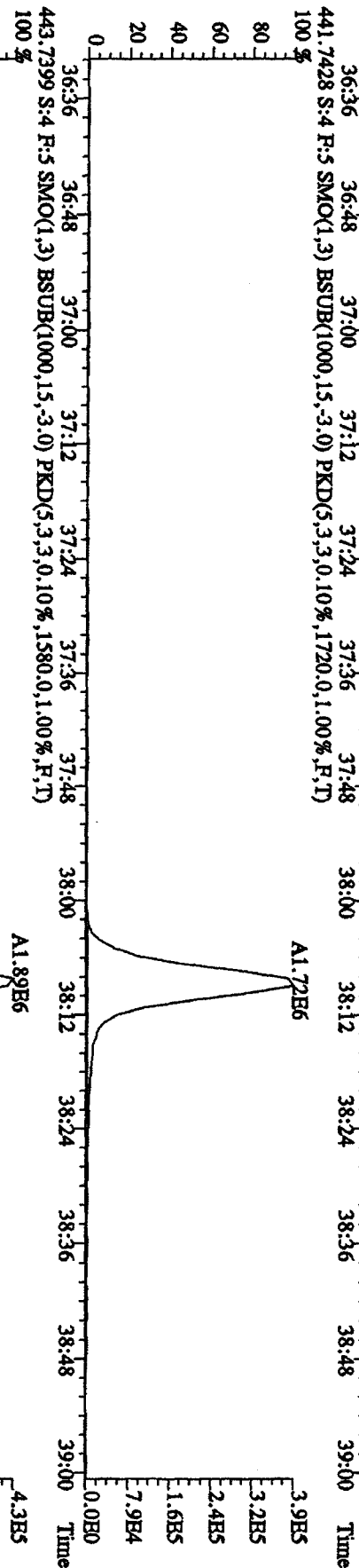
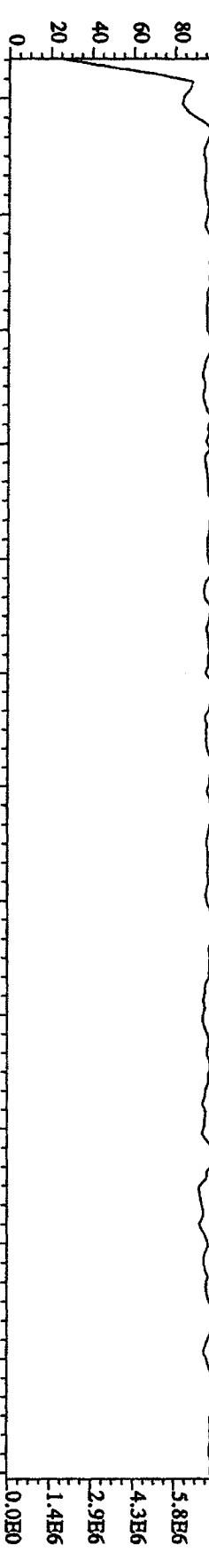


File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

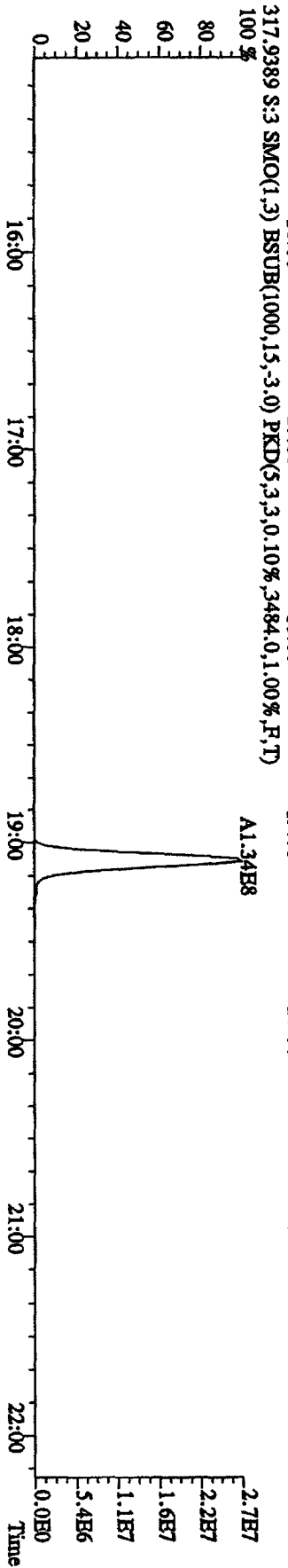
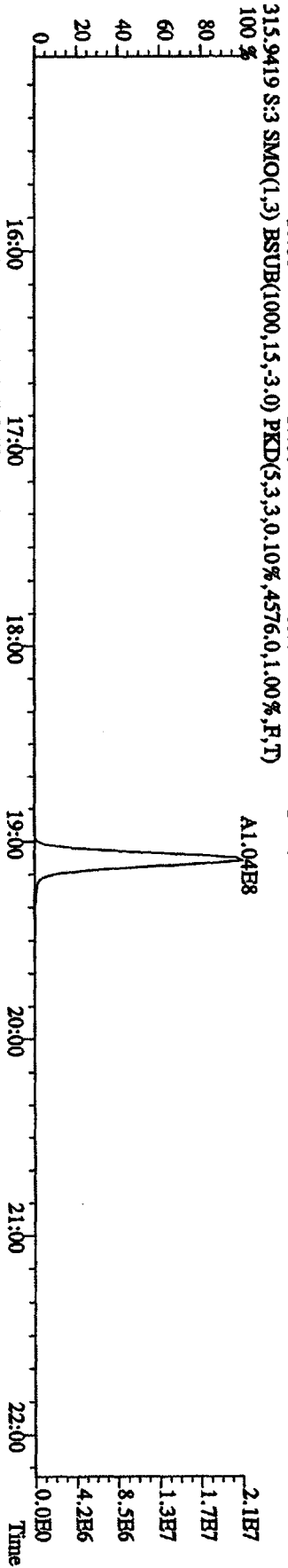
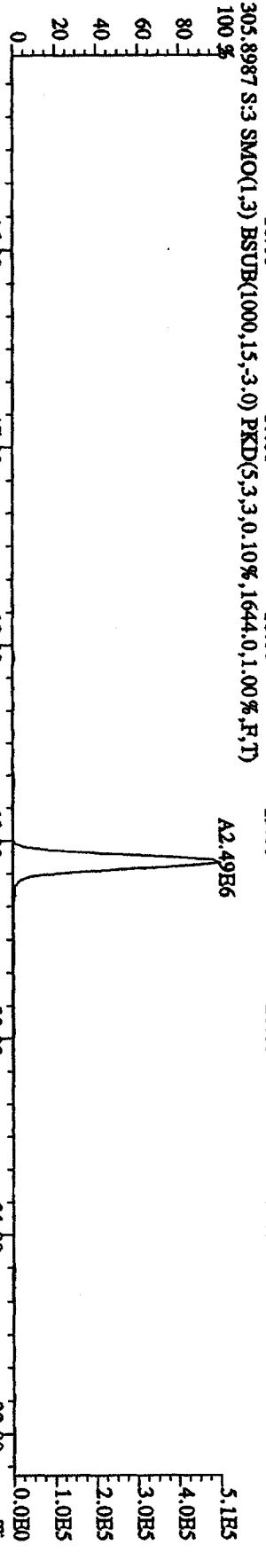
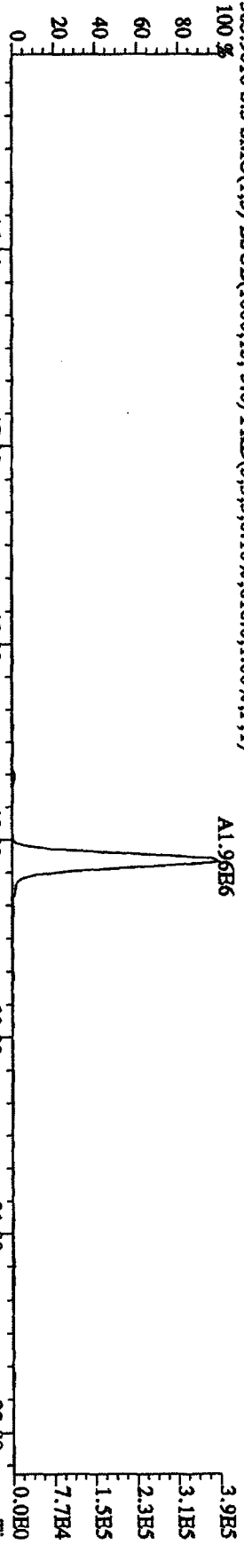


File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimatE

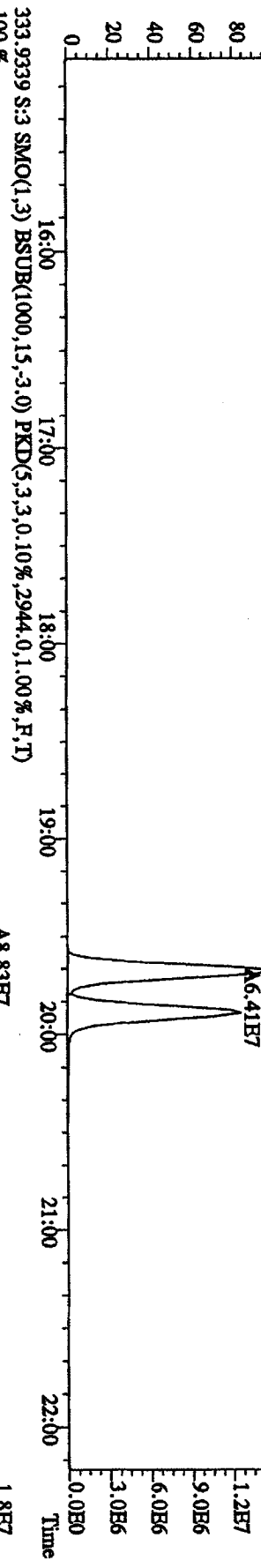
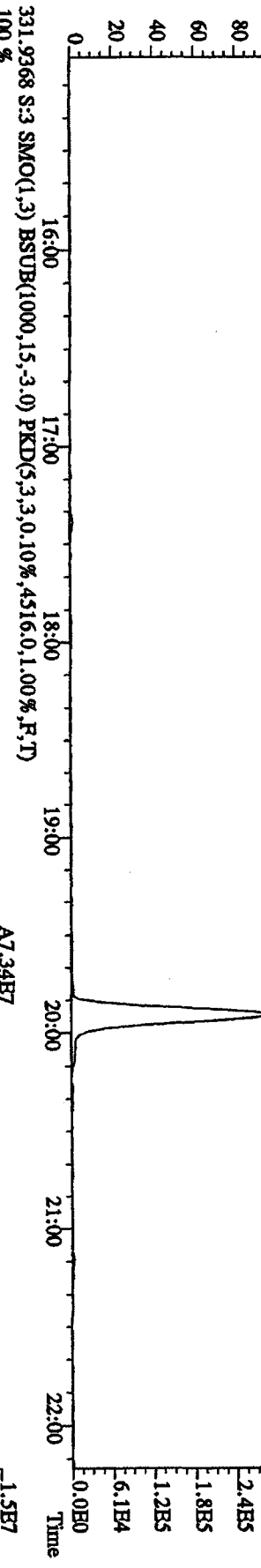
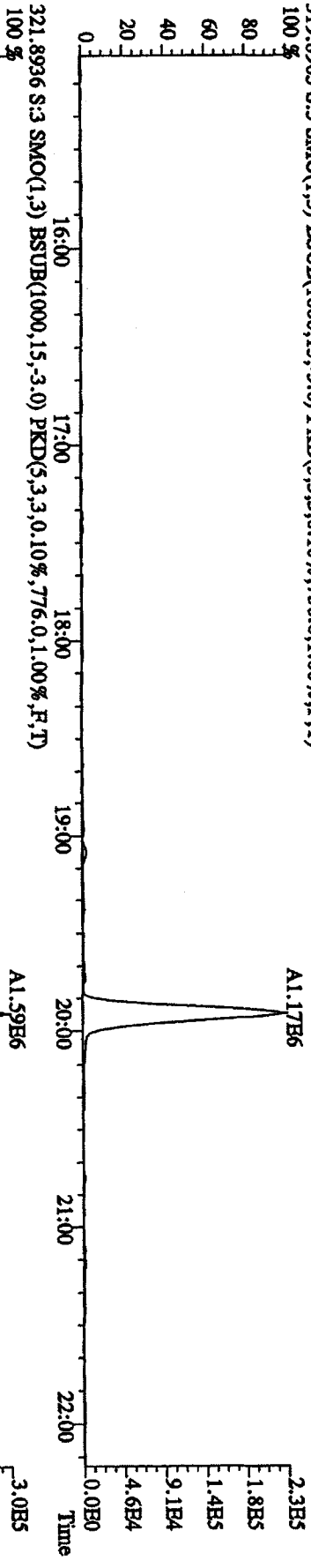
Sample#4 Text:STV412B :CS-1 09DXN422 Exp:DIOXINRES8290A



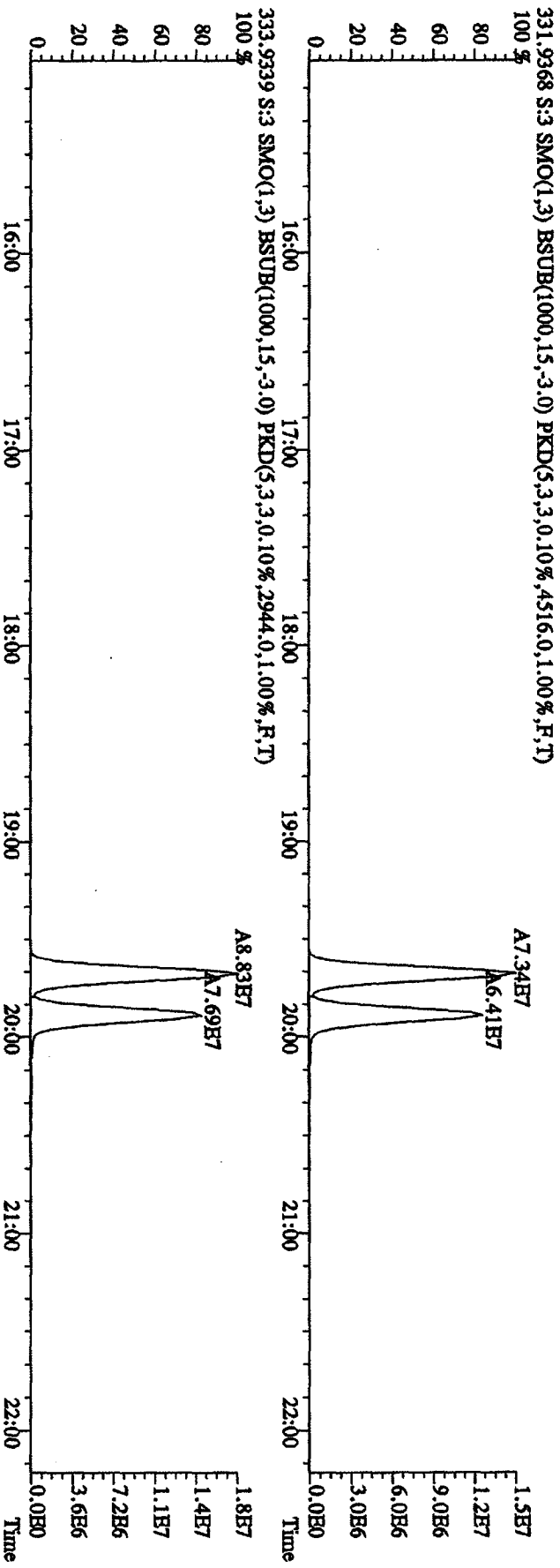
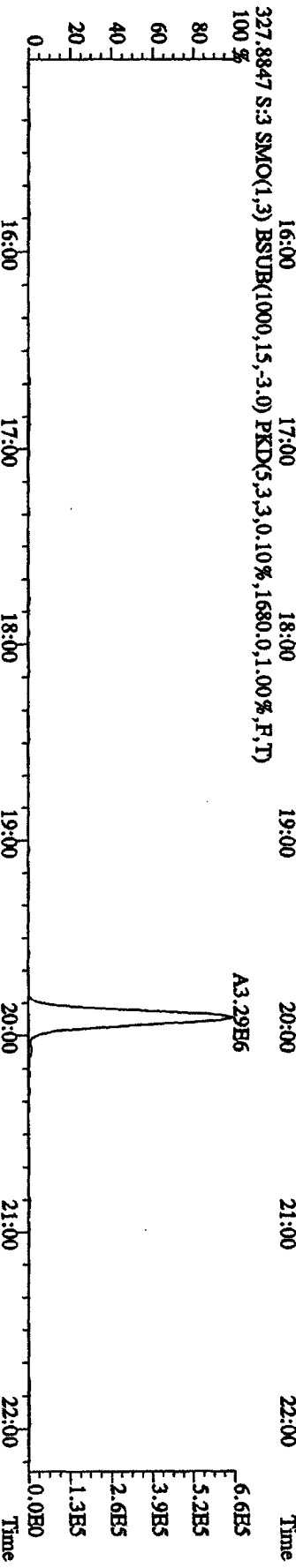
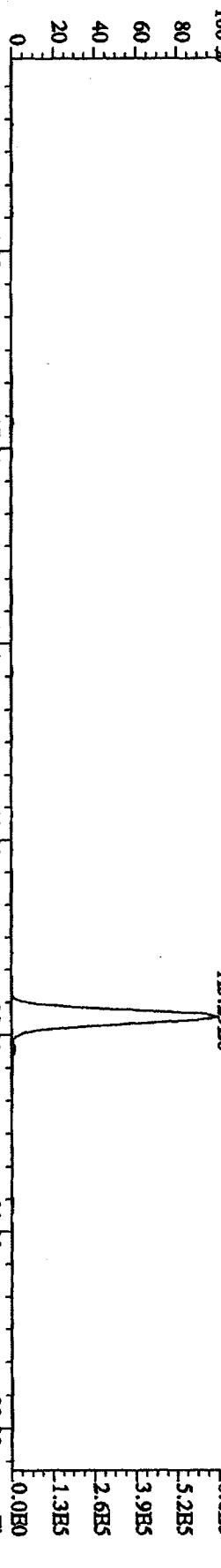
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,616,0,1,00%,F,T)
 100 %



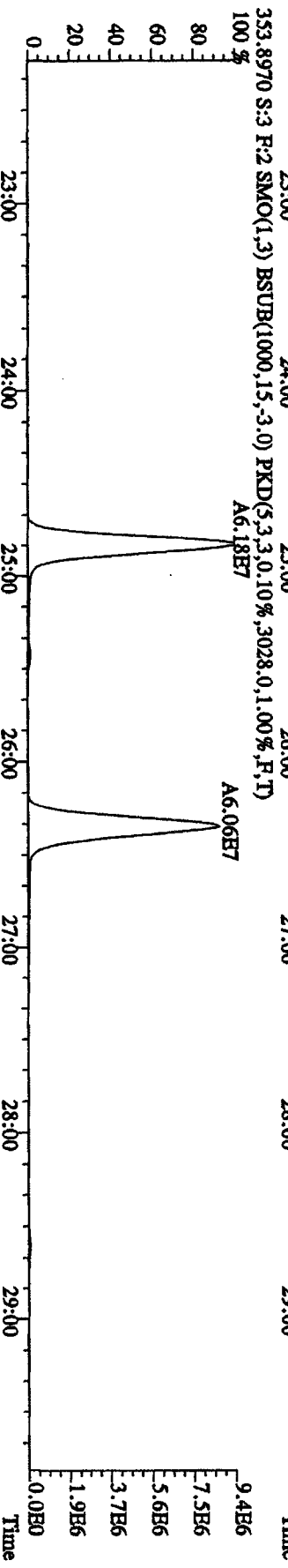
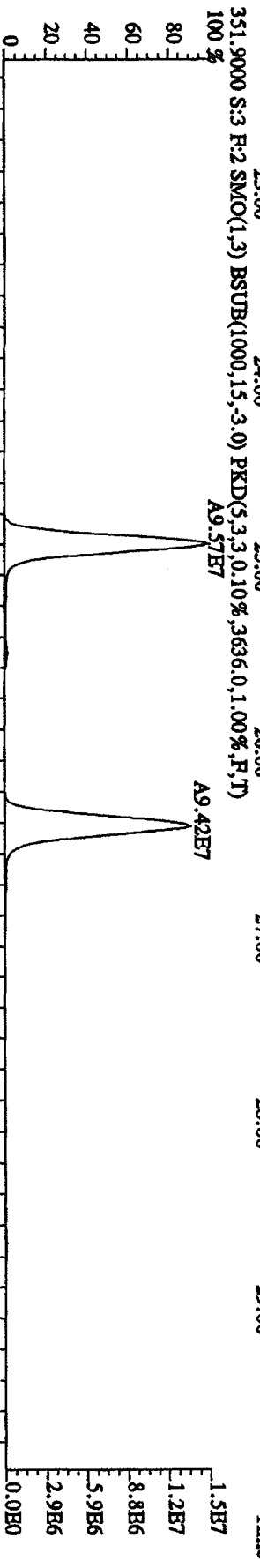
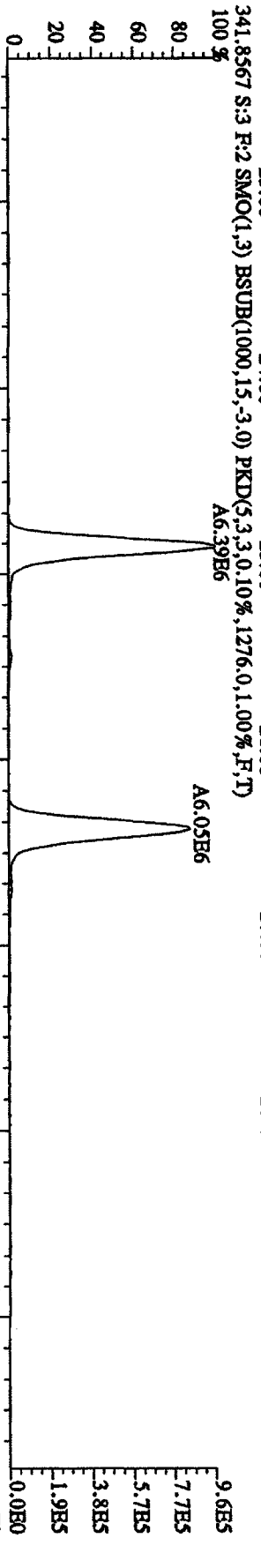
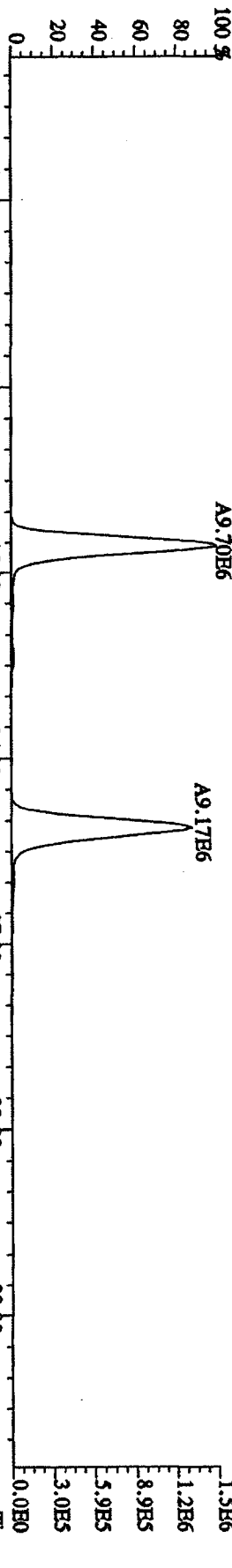
File:12AD104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,756.0,1.00%,F,T)



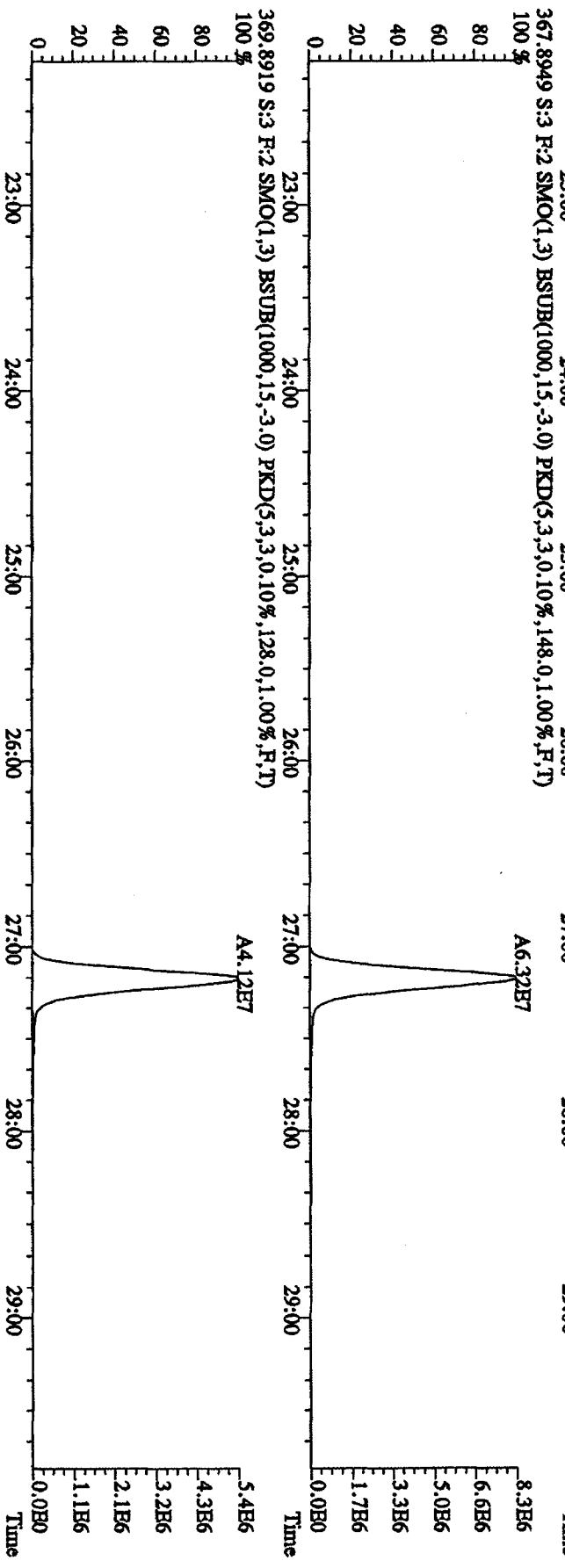
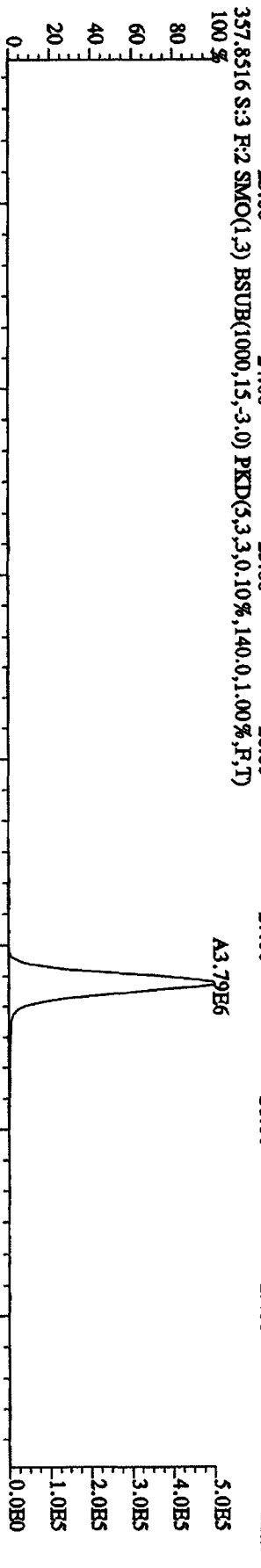
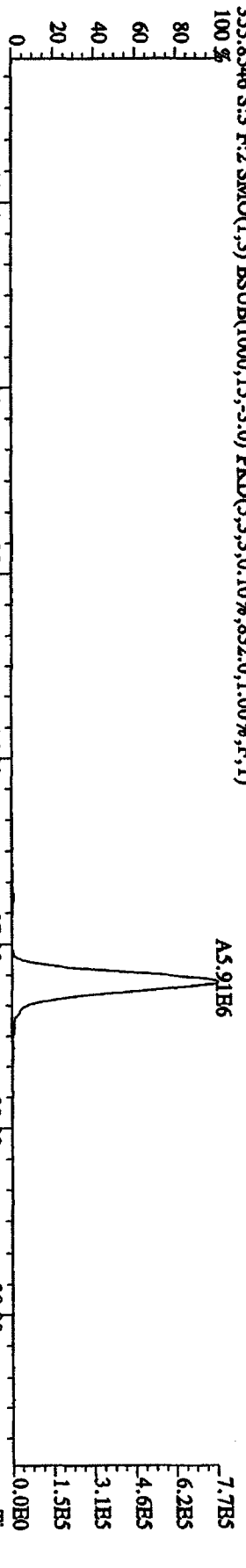
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:04:44 GC HI + Voltage SIR Autospec-Ultimate
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1680,0,1,00%,F,T)



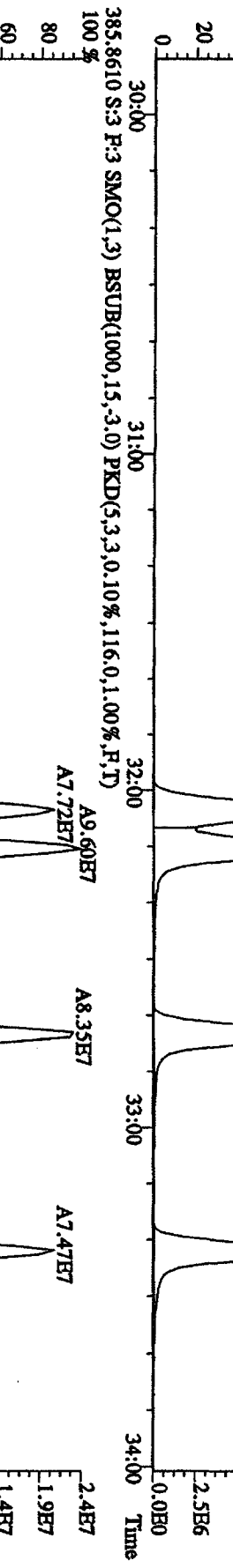
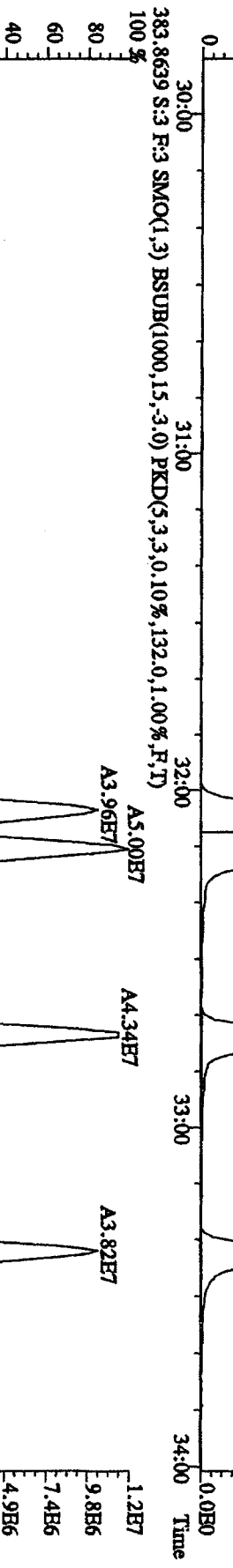
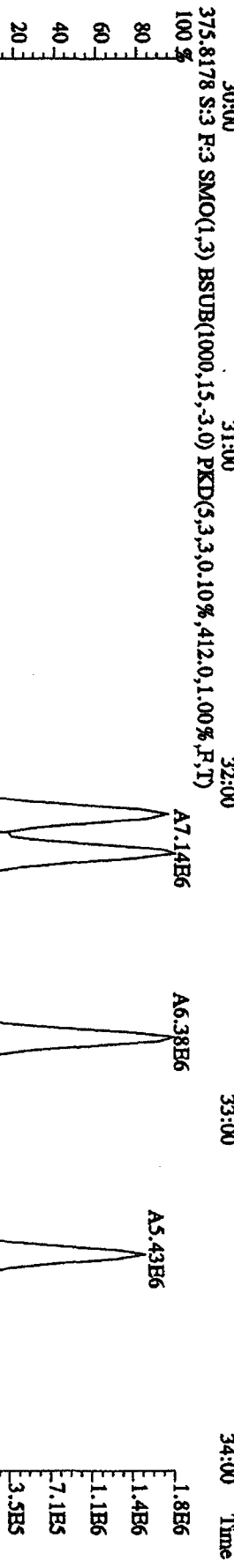
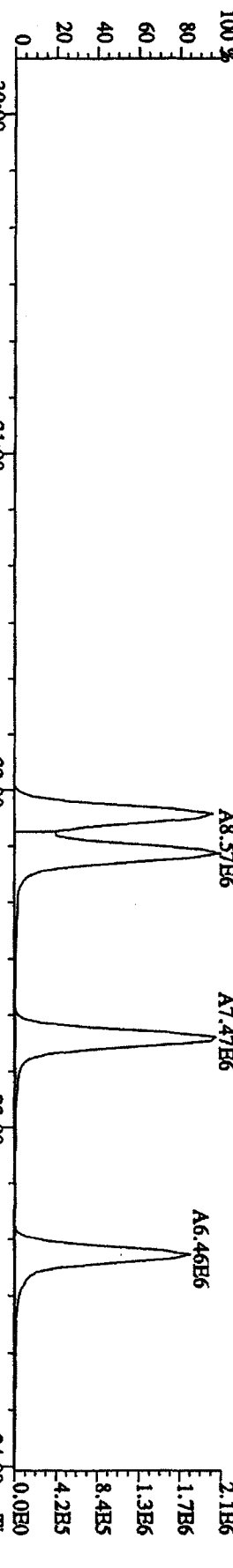
File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,676.0,1.00%,F,T)



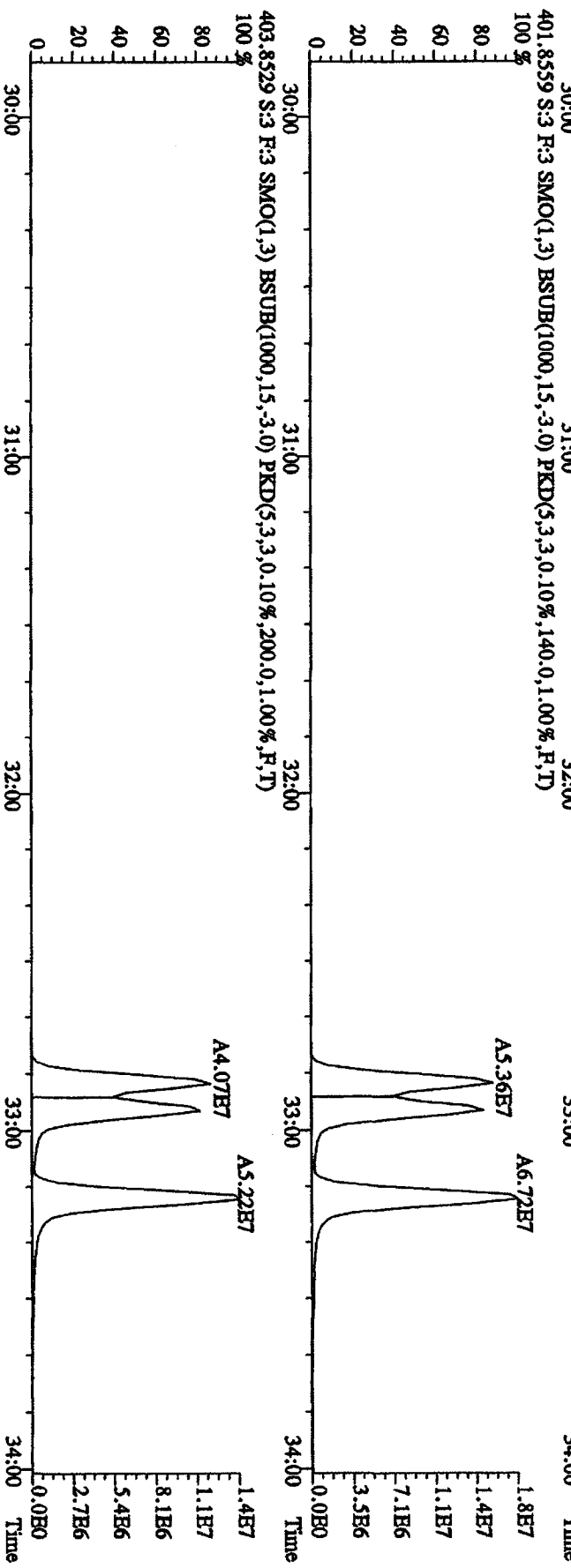
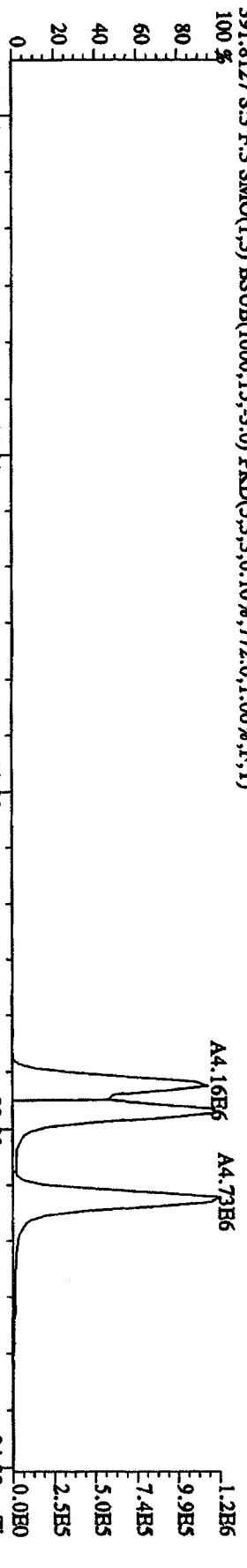
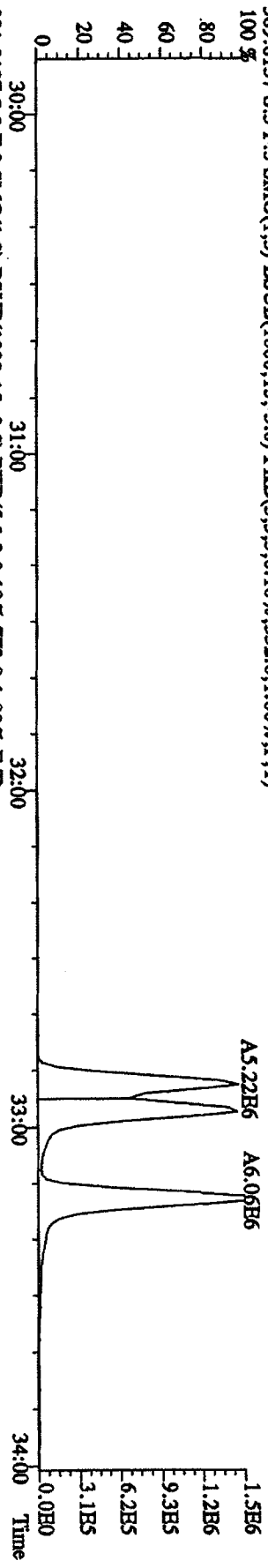
File: 12AP104D5 #1-605 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,852.0,1.00%,F,T)
 100%



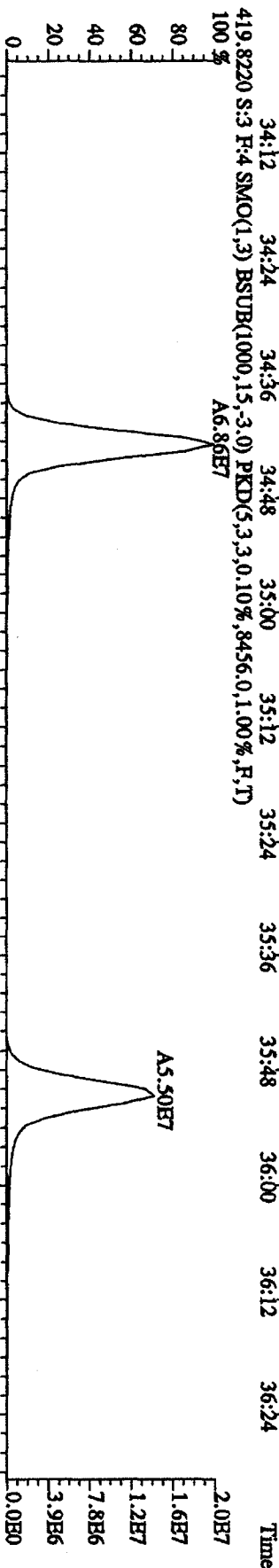
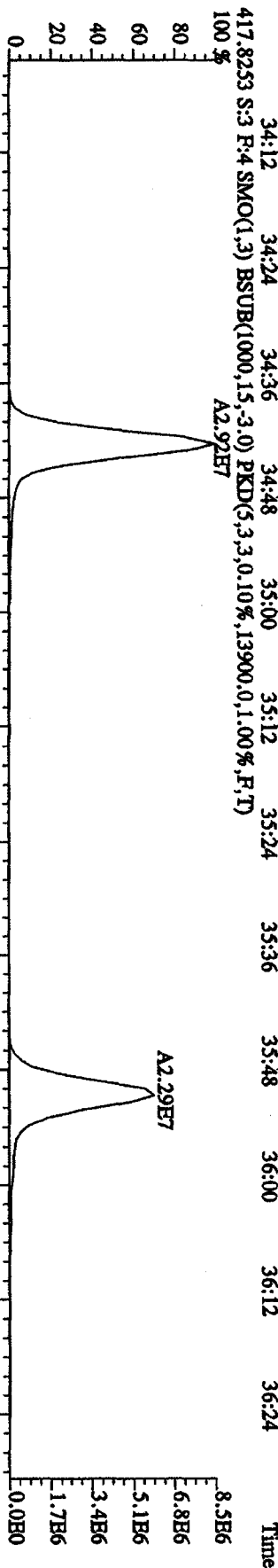
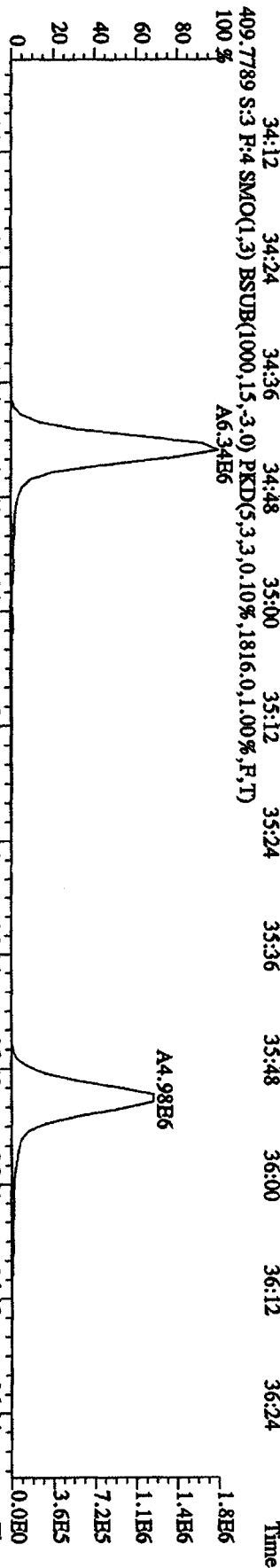
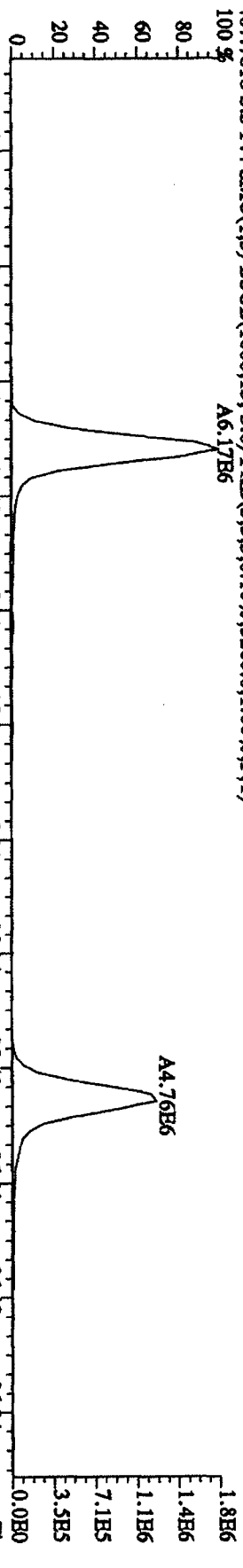
File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINR88290A
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,808.0,1.00%,F,T)



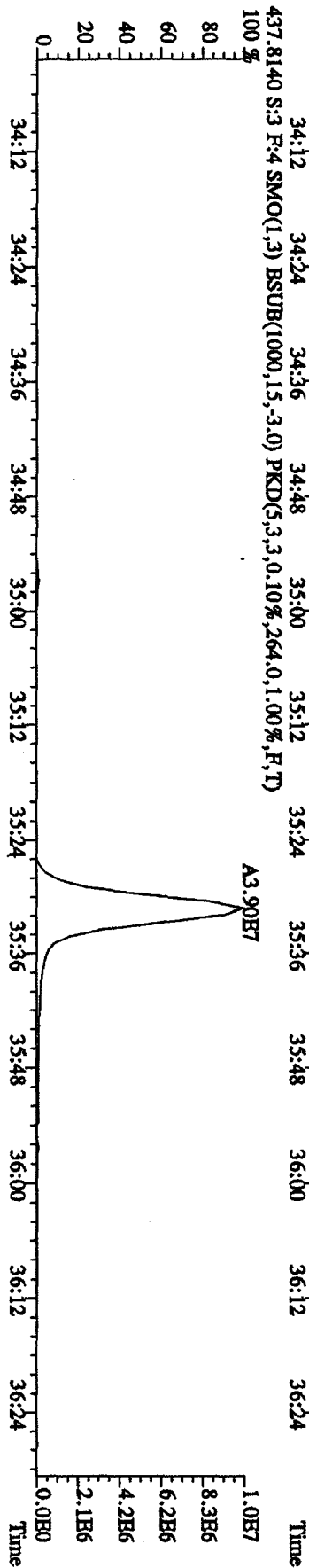
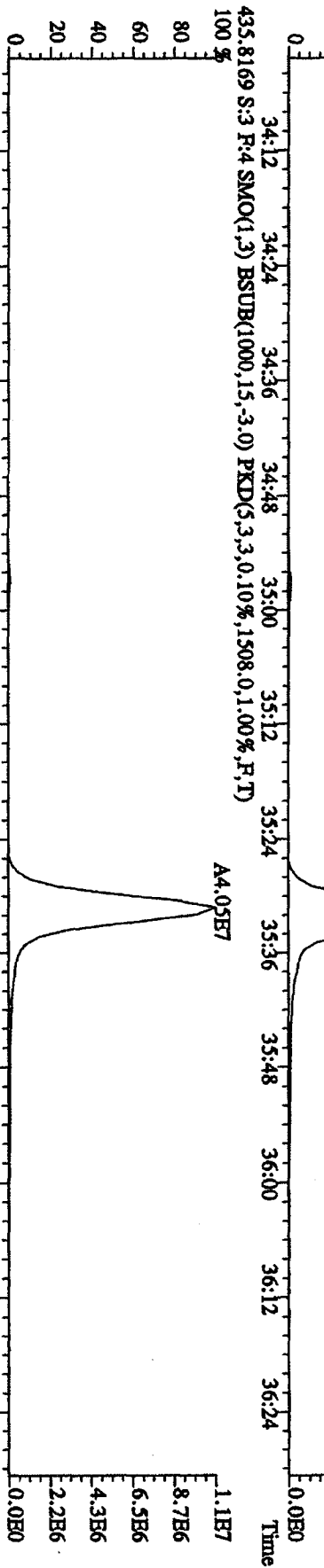
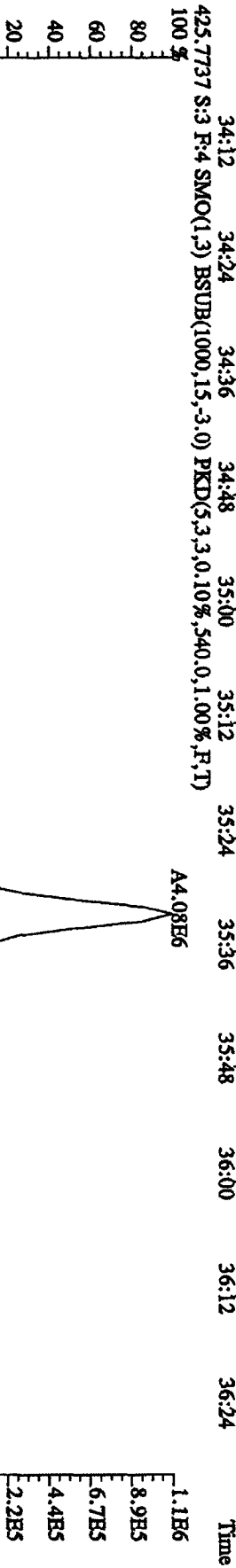
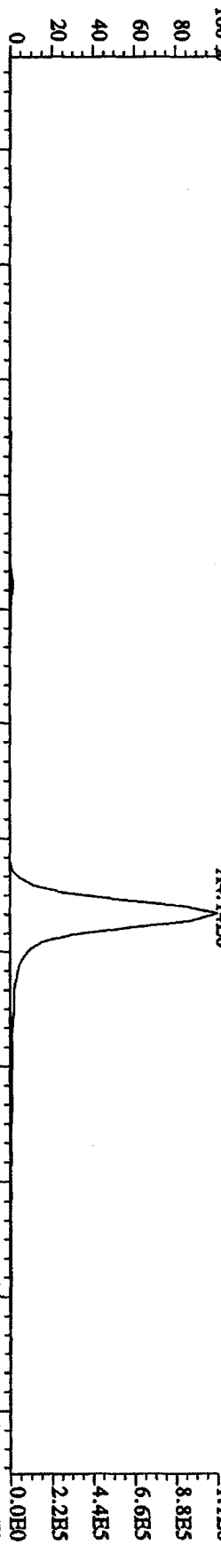
File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,532.0,1.00%,F,T)



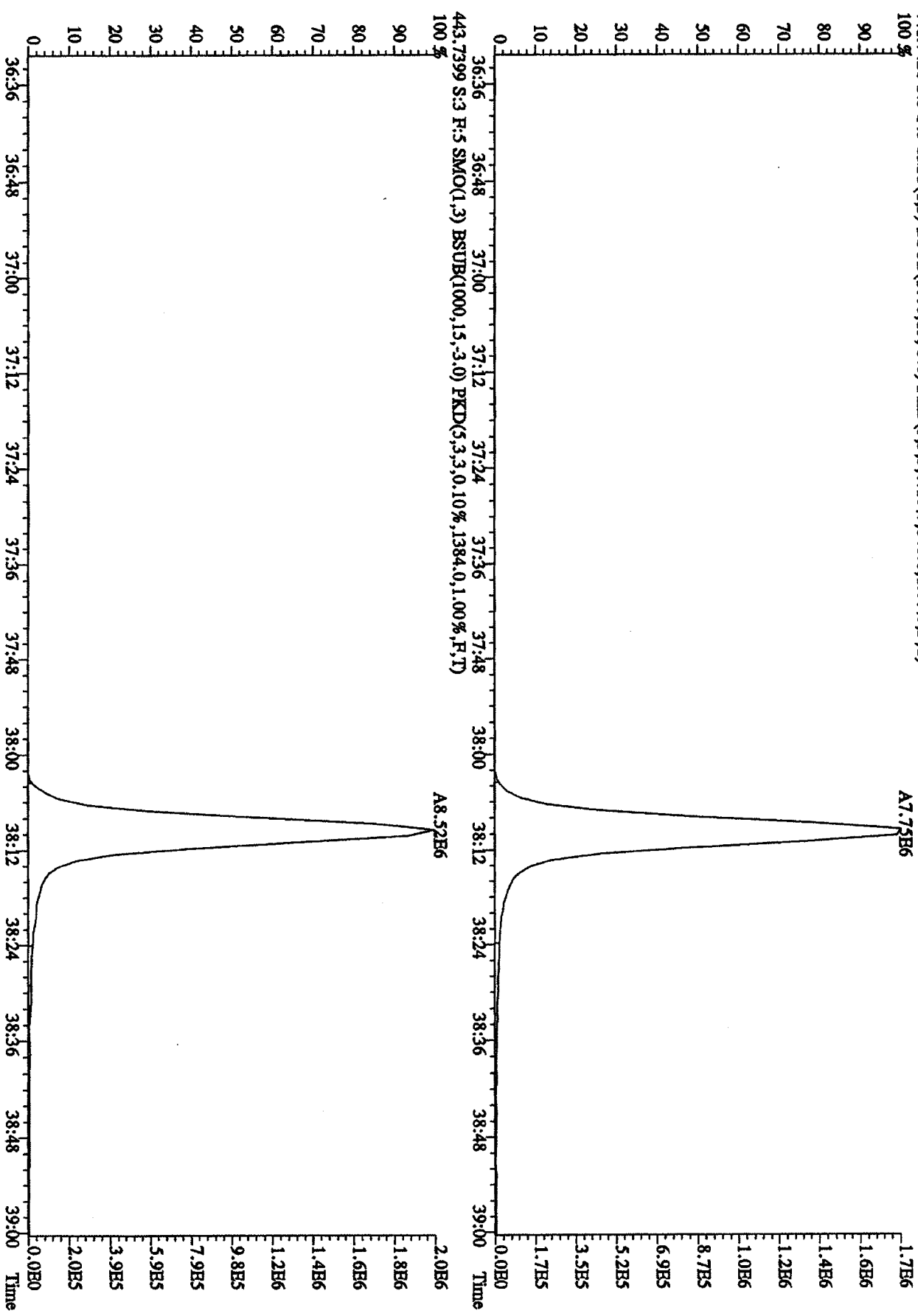
File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2-09DXN423 Exp:DIOXINRES8290A
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5260.0,1.00%,F,T)



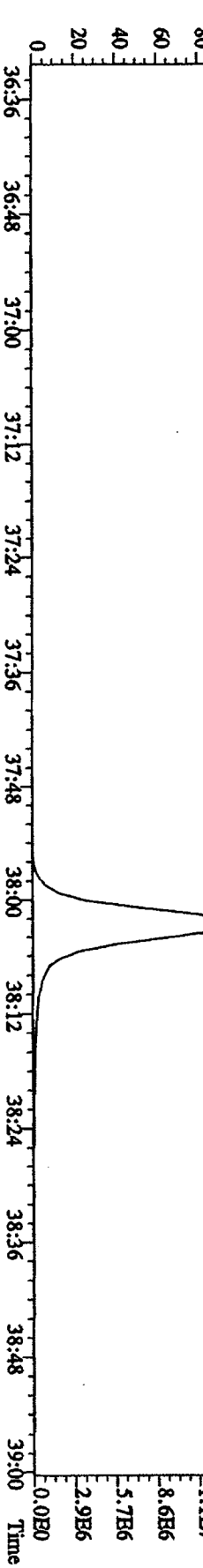
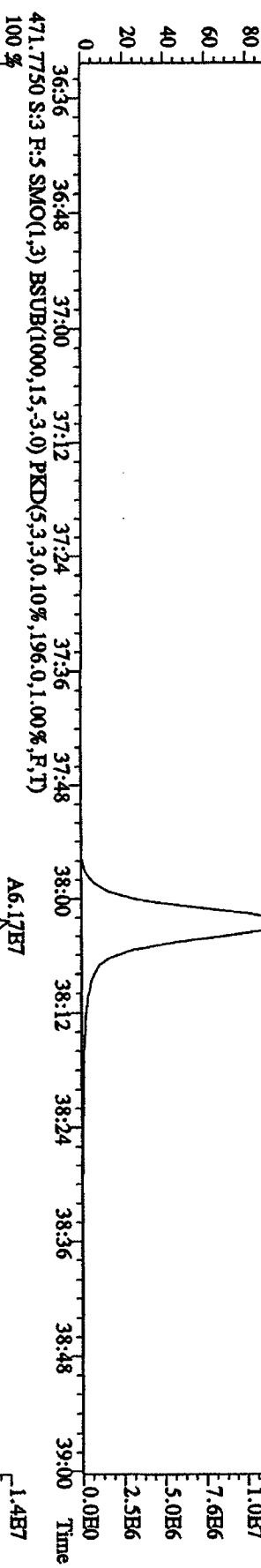
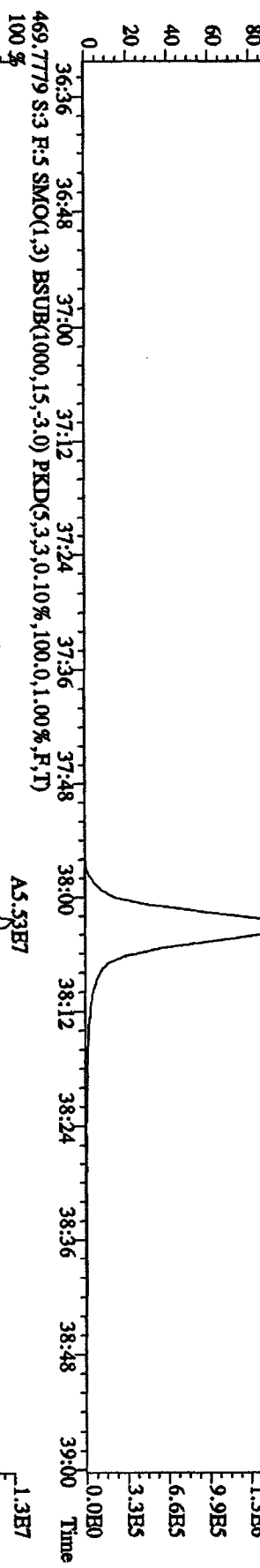
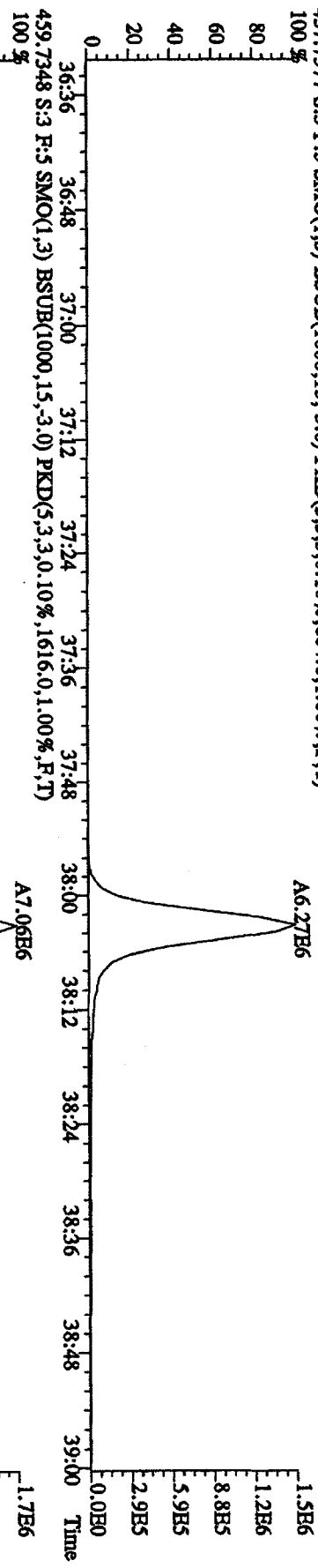
File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Test:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 423.7766 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)



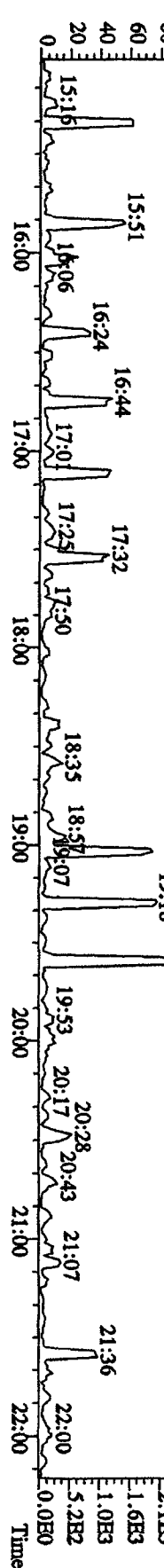
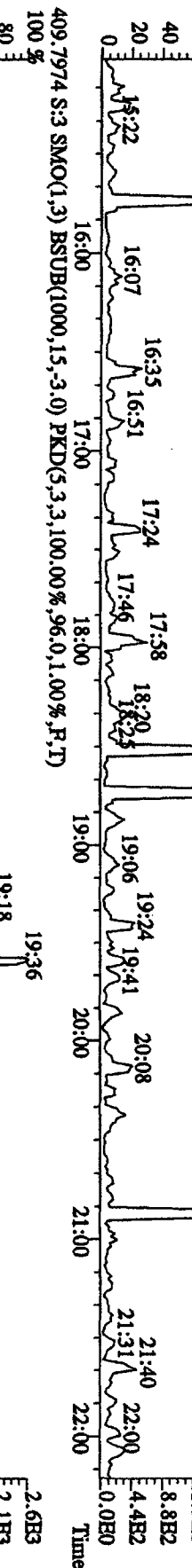
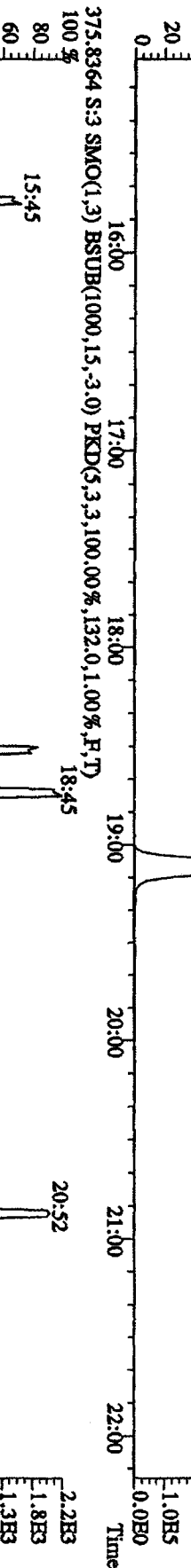
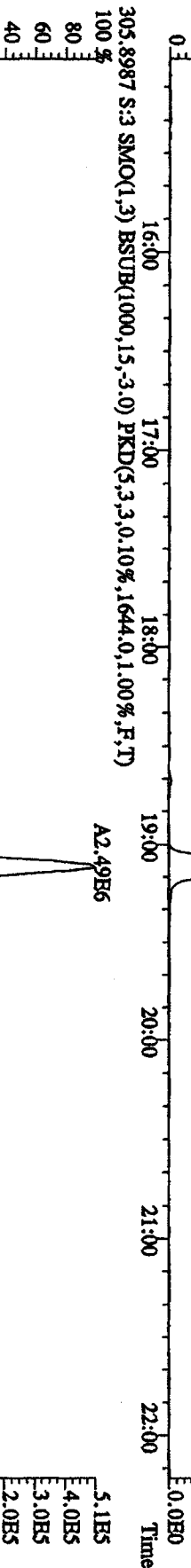
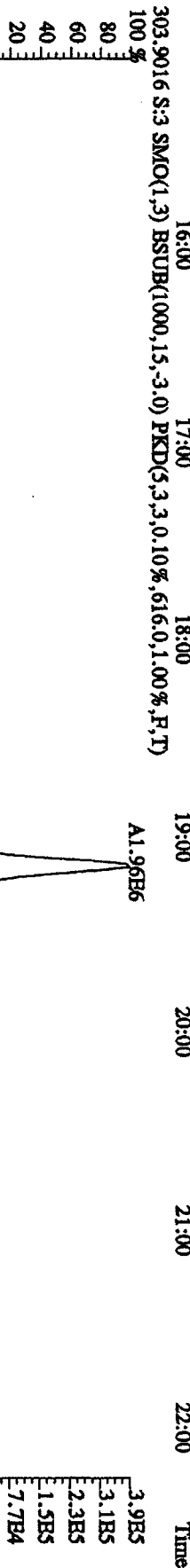
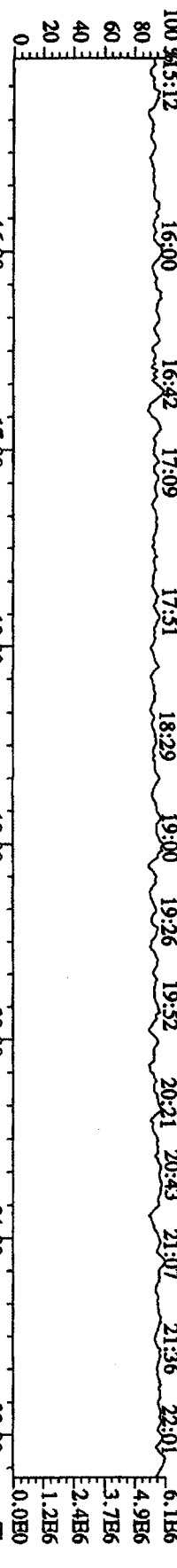
File: 12AP104D5 #1-190 Acq: 12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp: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 EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 354.9792 S:3 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)
 100 45:12 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

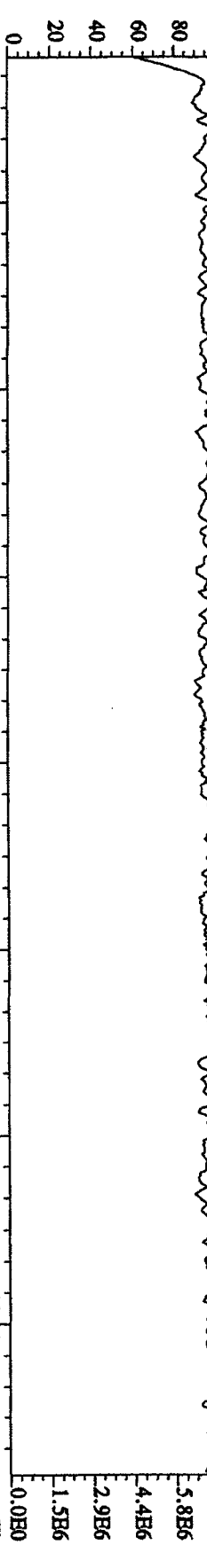


File: 12AP104D5 #1-605 Acq: 12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-UltimaB

Sample#3 Text: ST0412A :CS-2.09DXN423 Exp: DIOXINRES8290A

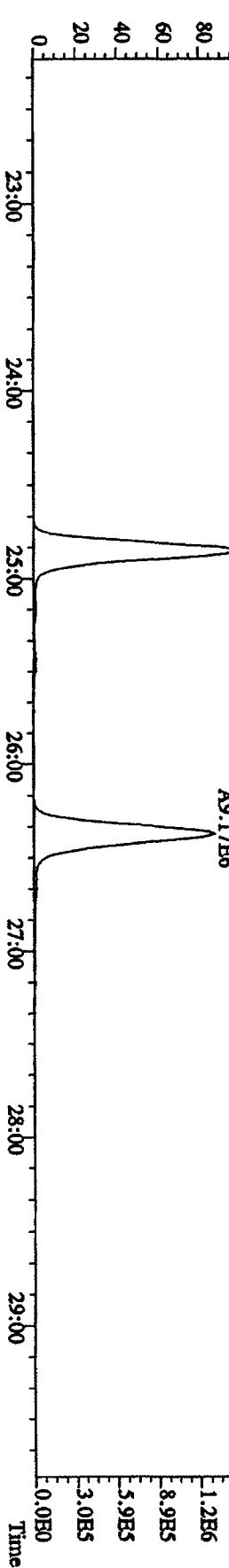
354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 22:38 23:04 23:27 24:03 24:27 24:52 25:29 25:55 26:21 26:50 27:19 27:49 28:30 28:55 29:45 7.3E6



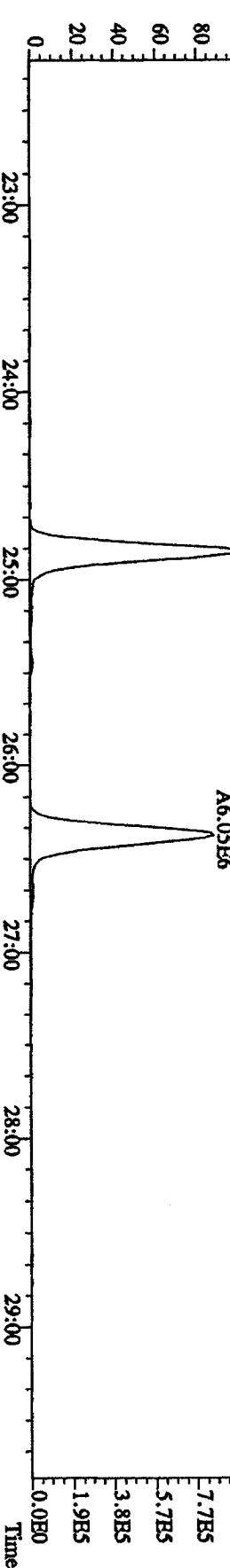
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)

100% A9.17E6 A9.70E6

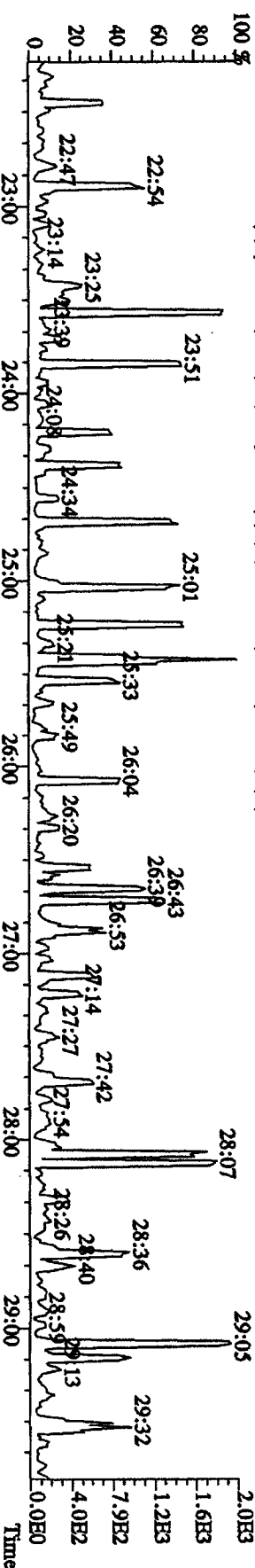


341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)

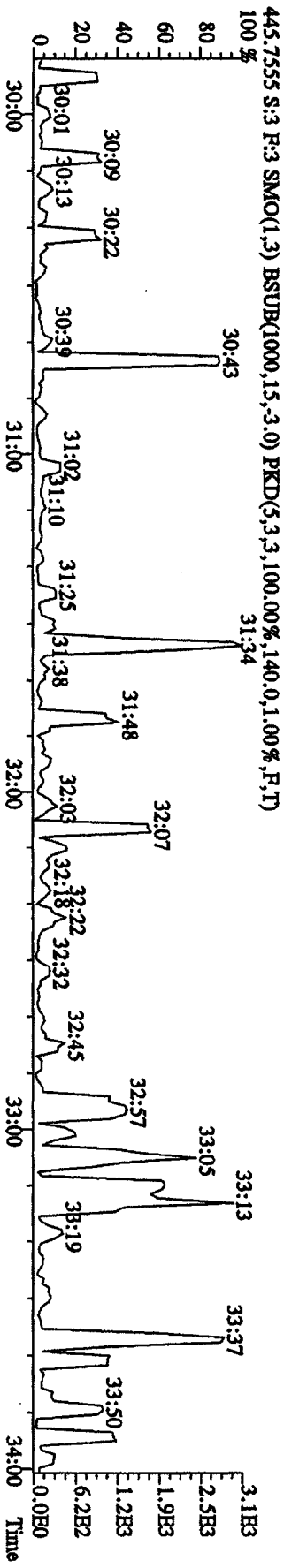
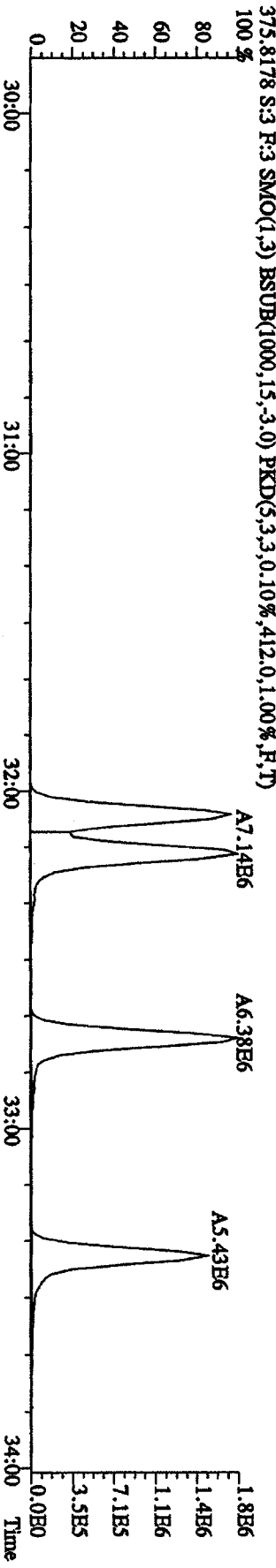
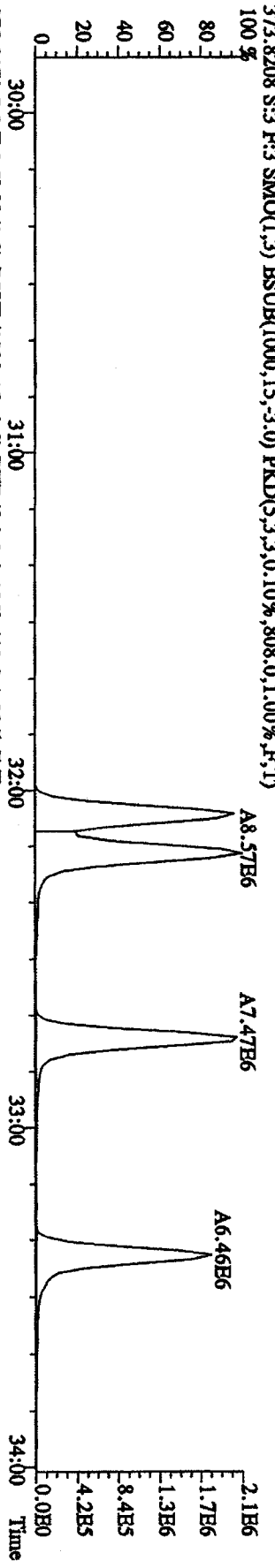
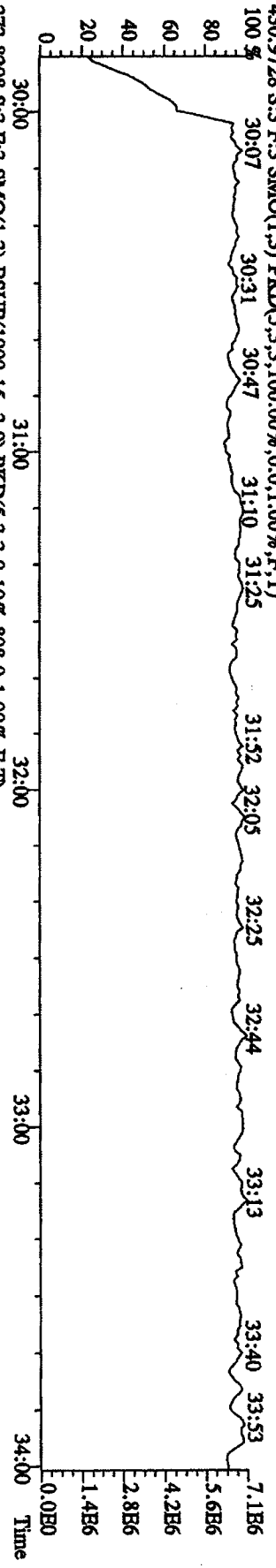
100% A6.39E6 A6.05E6



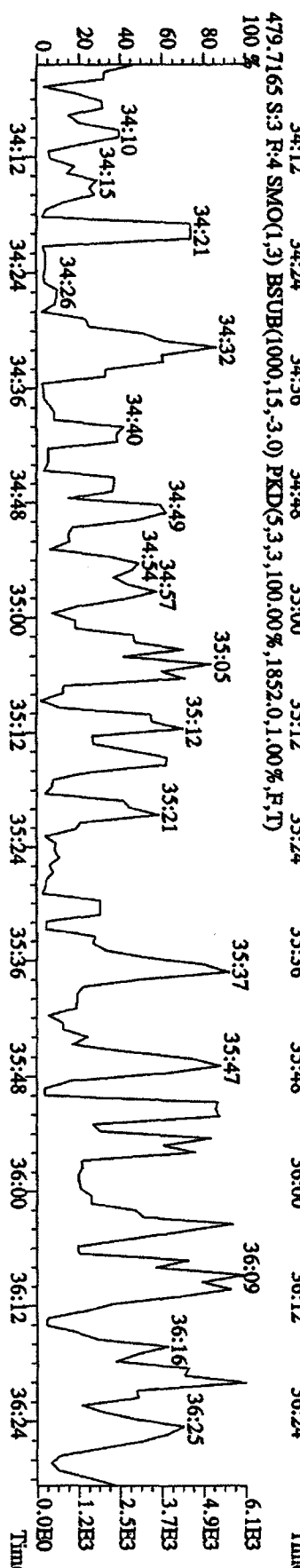
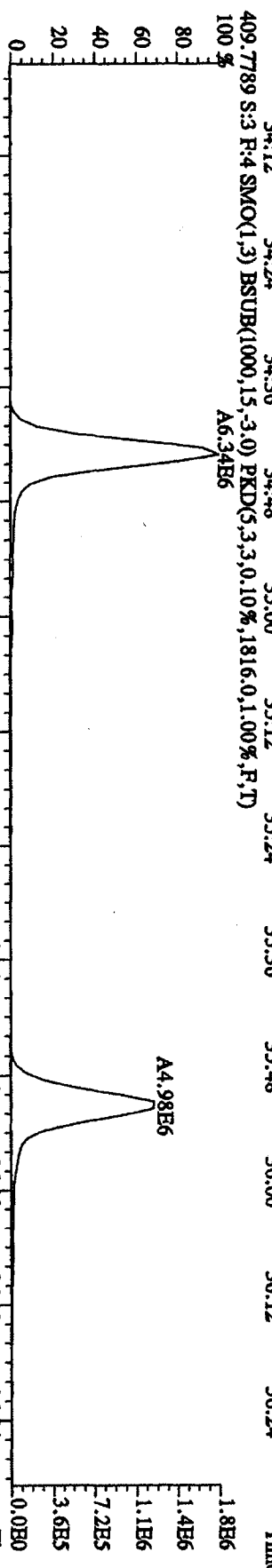
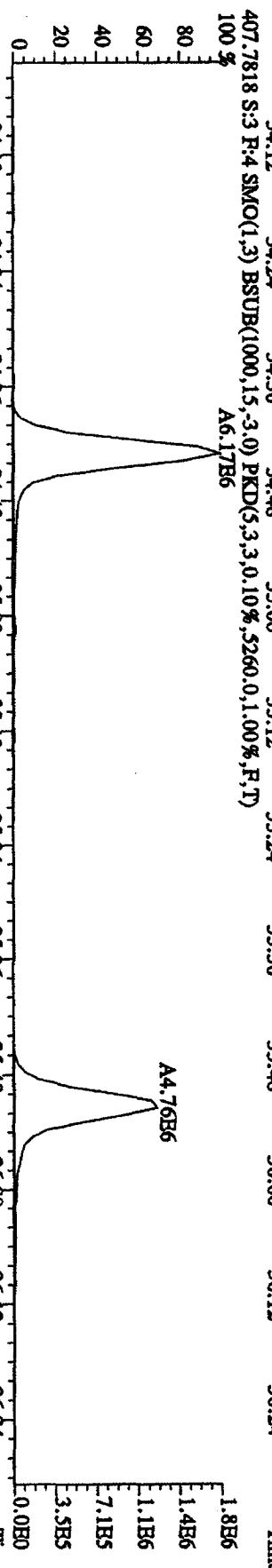
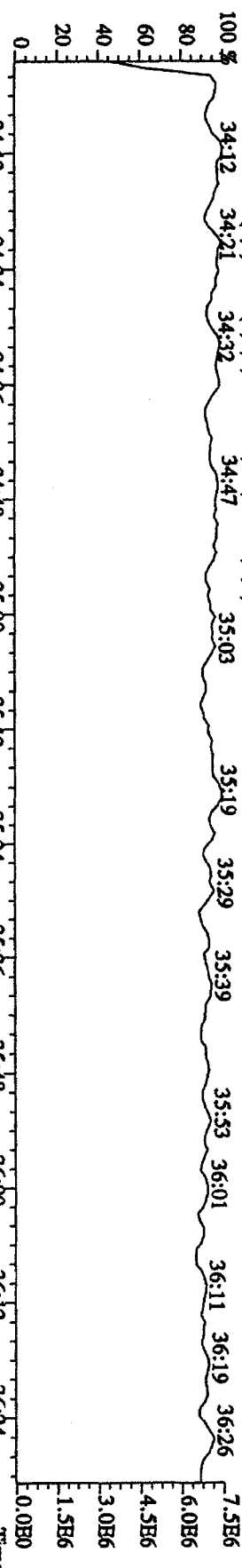
409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,136.0,1.00%,F,T)



File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltraB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



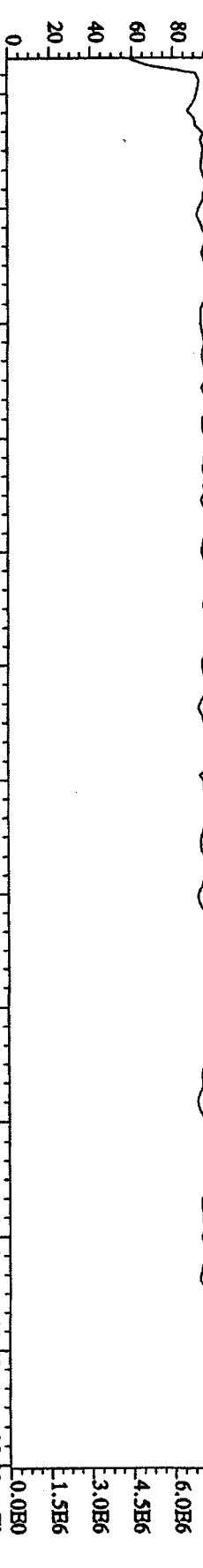
File: 12AP104D5 #1-198 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRHS8290A
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



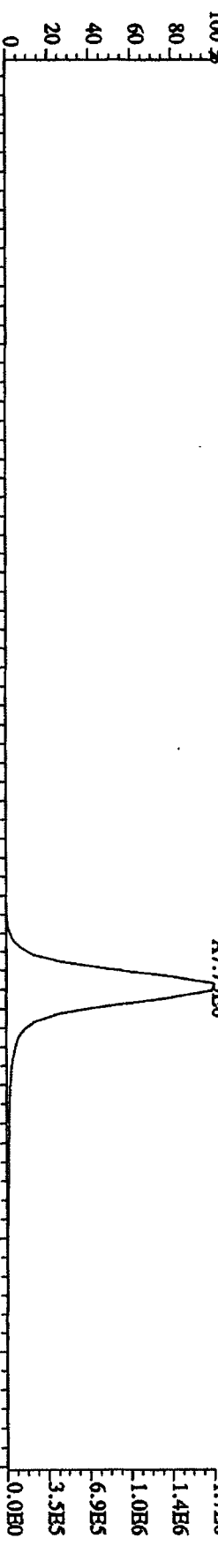
File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC HI + Voltage SIR Autospec-UltimaB

Sample#3 Text:ST0412A :CS-2-09DXN423 Exp:DIOXINRES8290A

442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 36:46 36:56 37:09 37:21 37:32 37:45 38:03 38:16 38:28 38:38 38:48 38:59 7.5B6



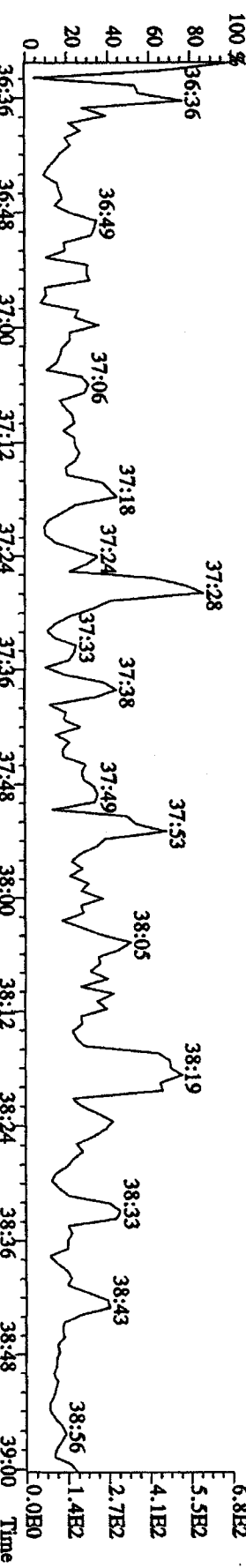
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



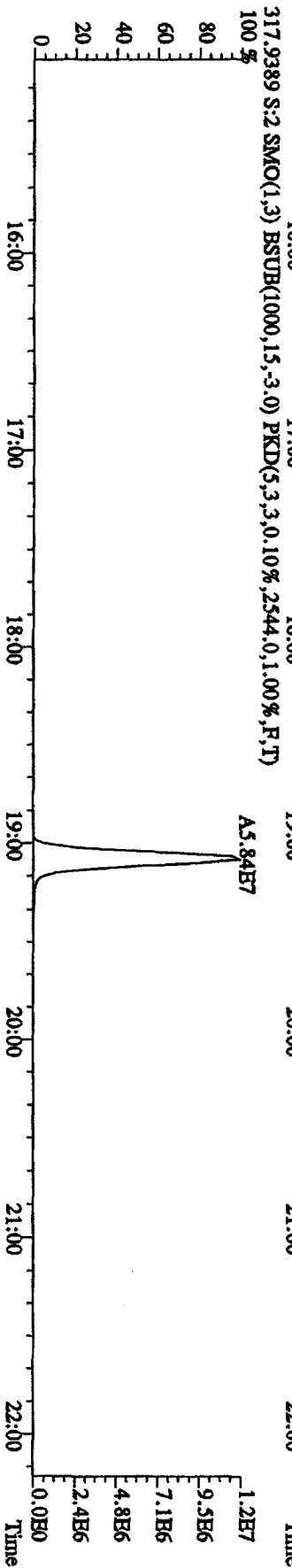
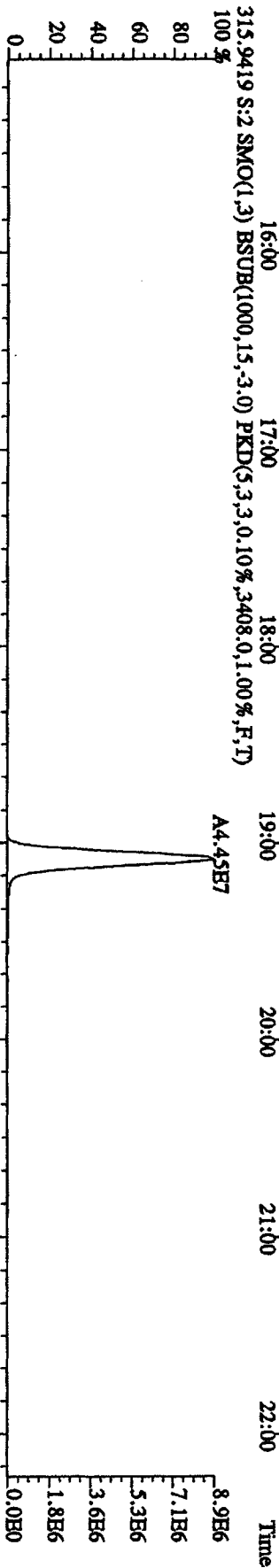
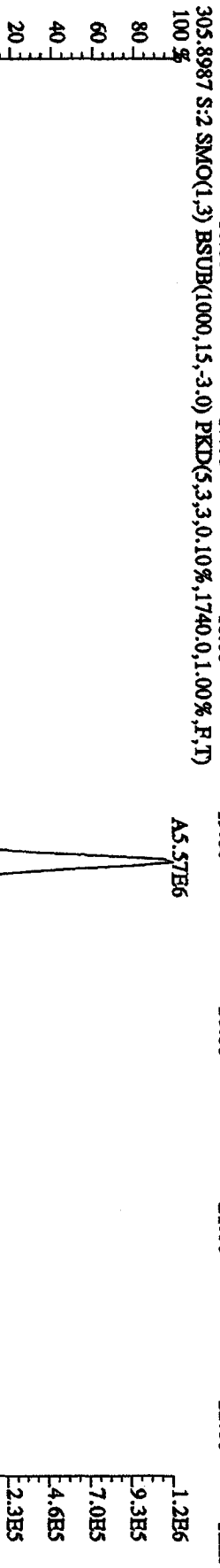
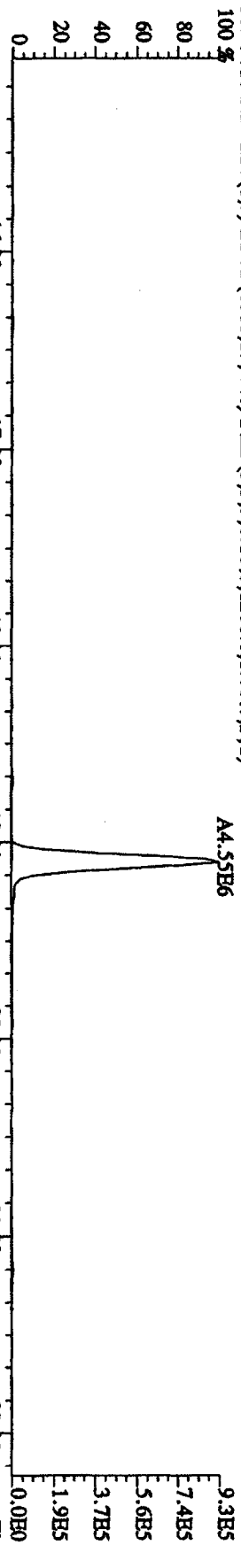
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1384.0,1.00%,F,T)



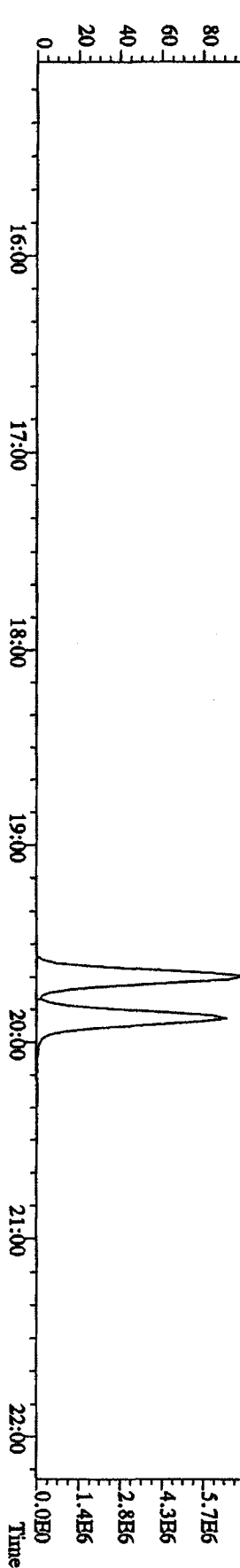
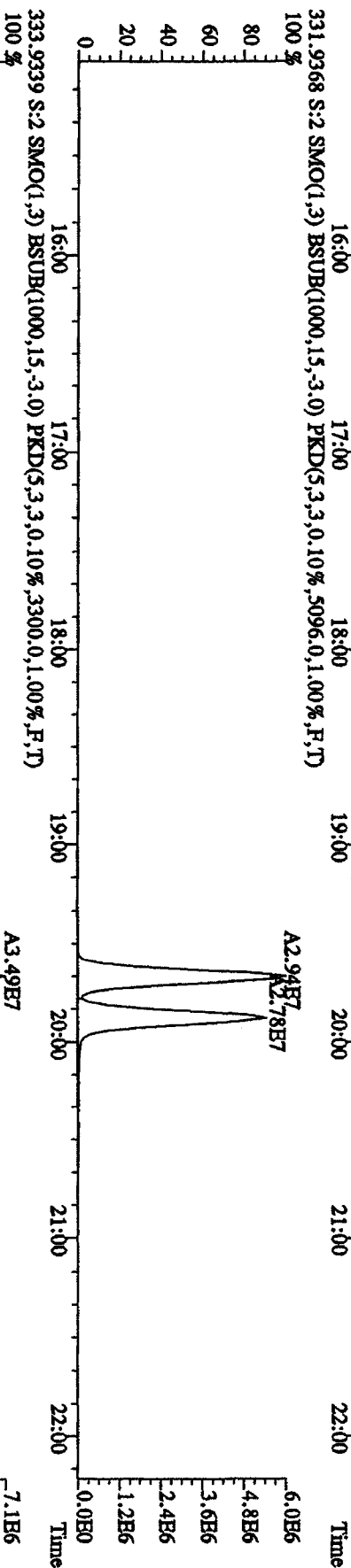
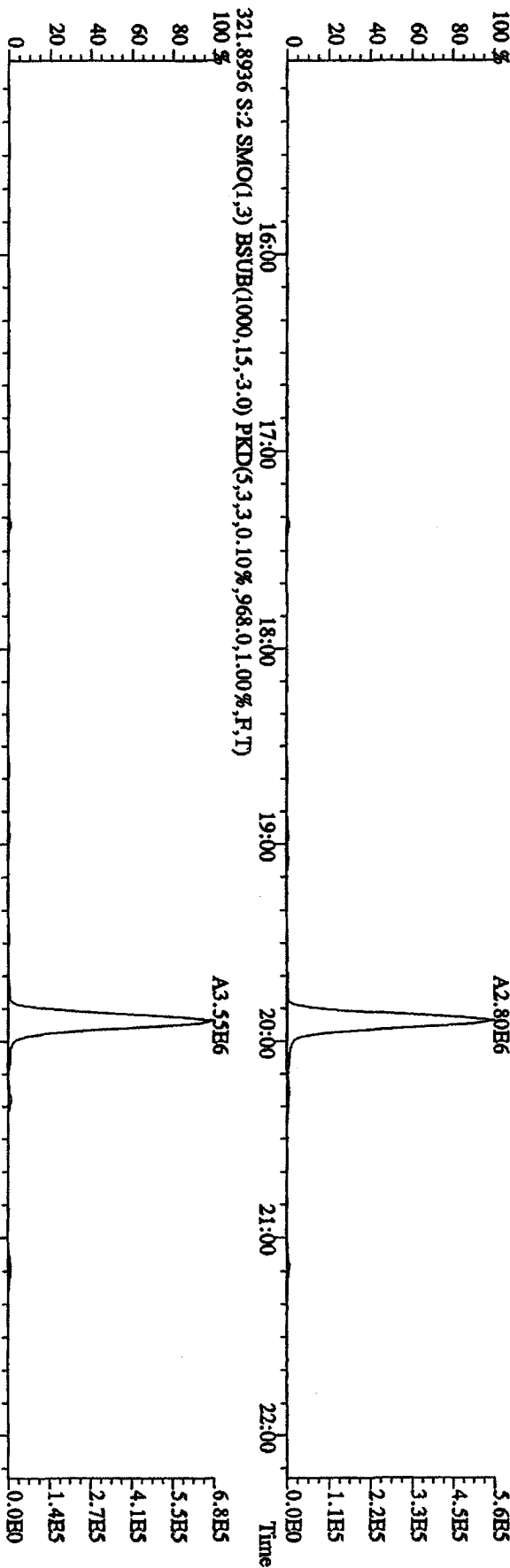
513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,200.0,1.00%,F,T)



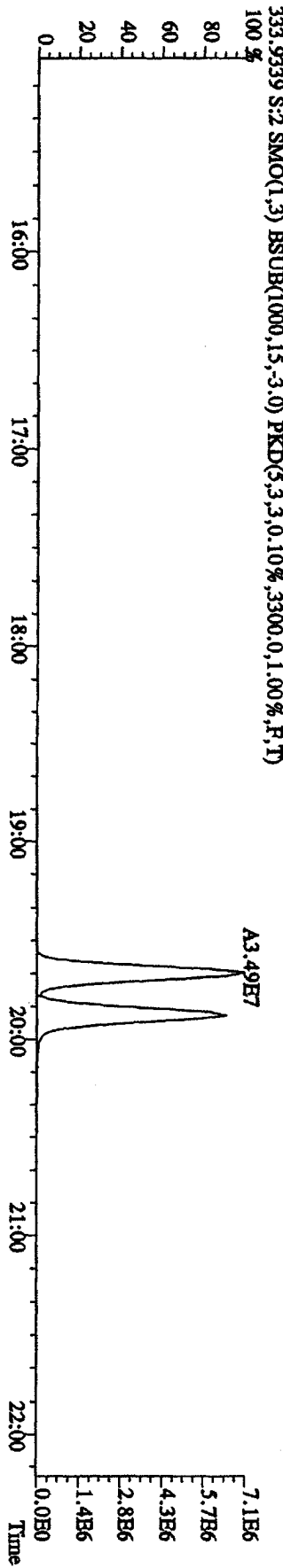
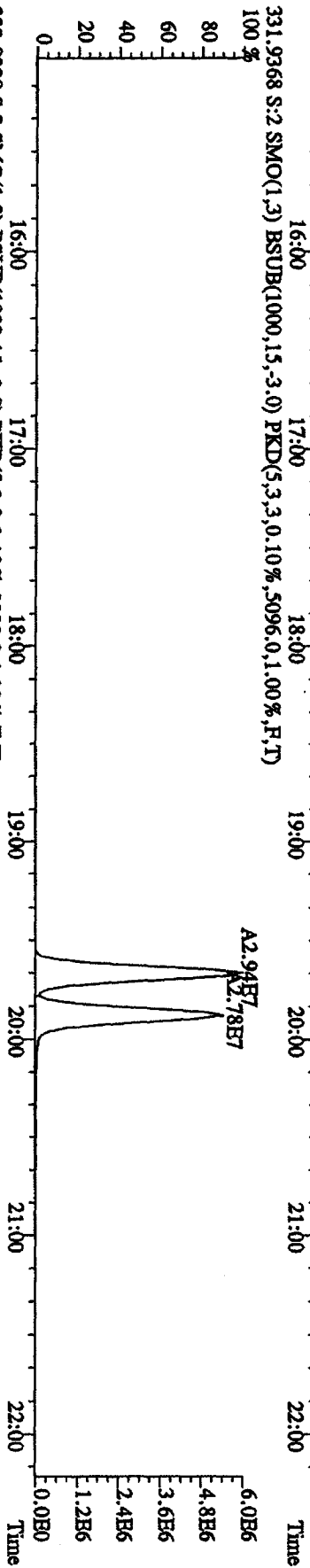
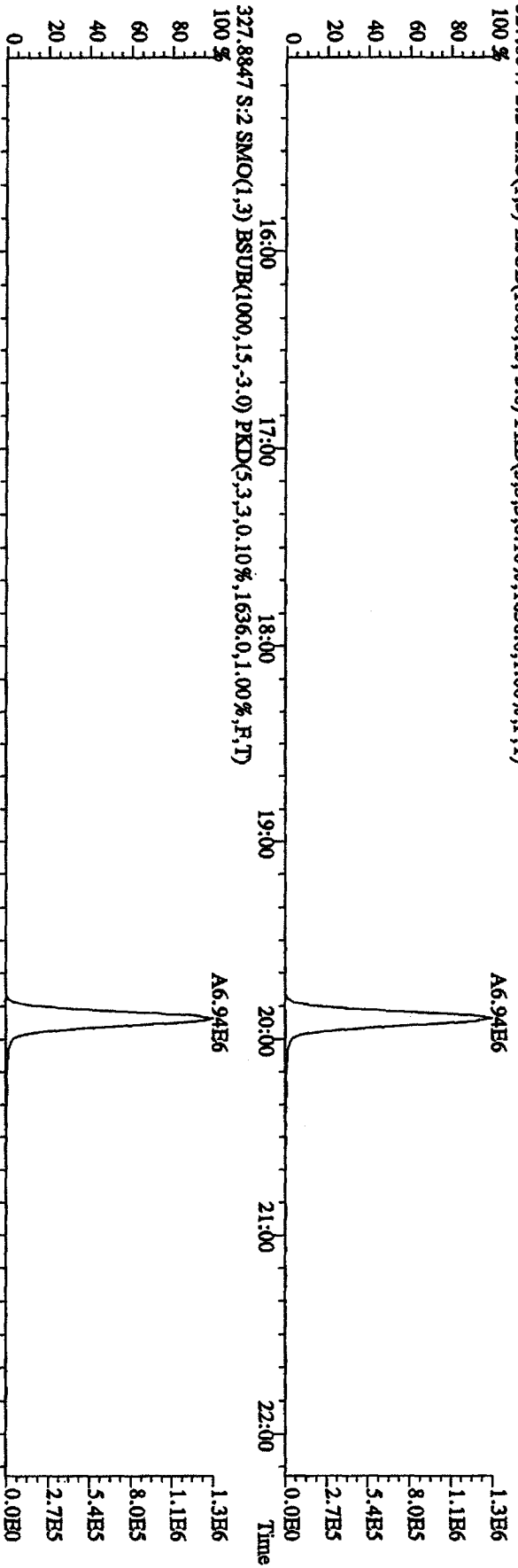
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UtimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 303.9016 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1208,0,1.00%,F,T)



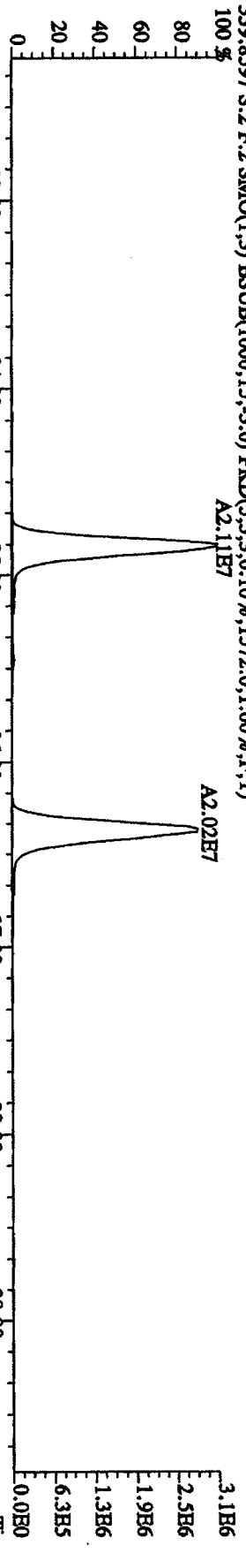
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 319.8965 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,748.0,1.00%,F,T)
 100 %



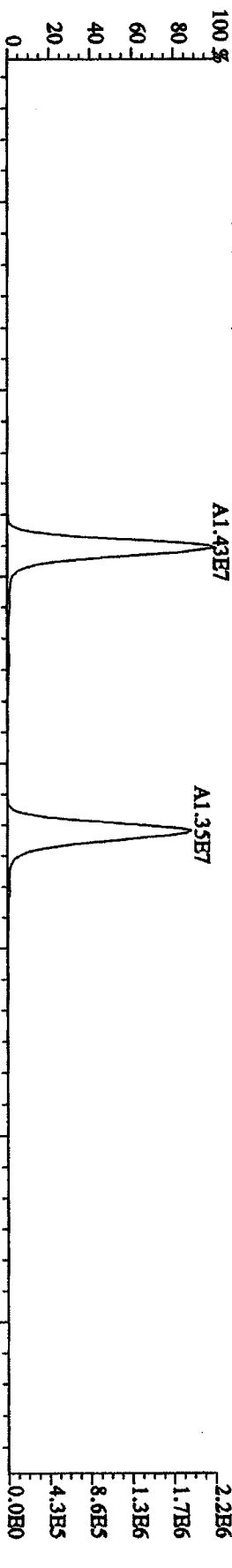
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SHR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1636,0,1,00%,F,T)



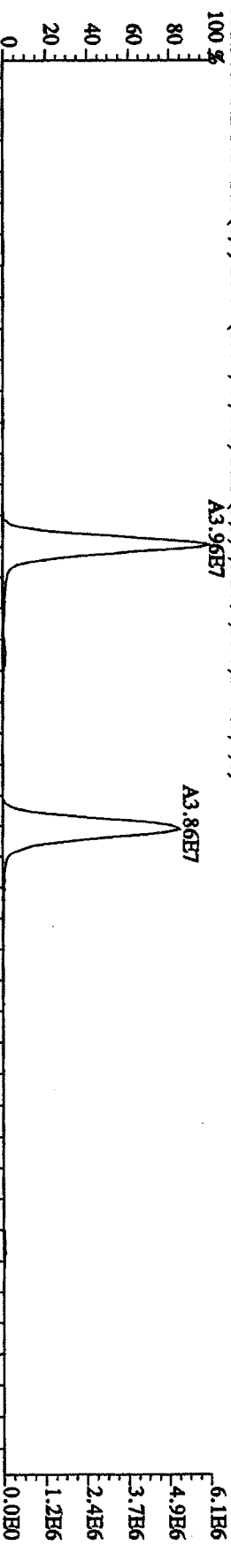
File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 IODXN111 Exp:DIOXINRES8290A
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1572.0,1.00%,F,T)



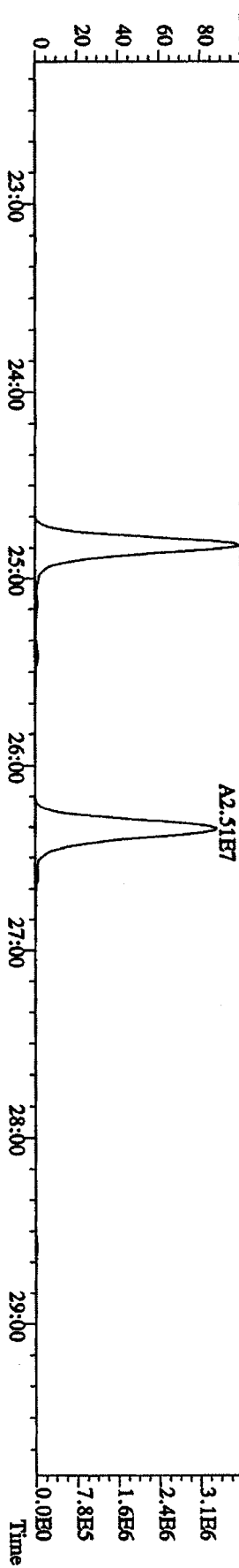
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



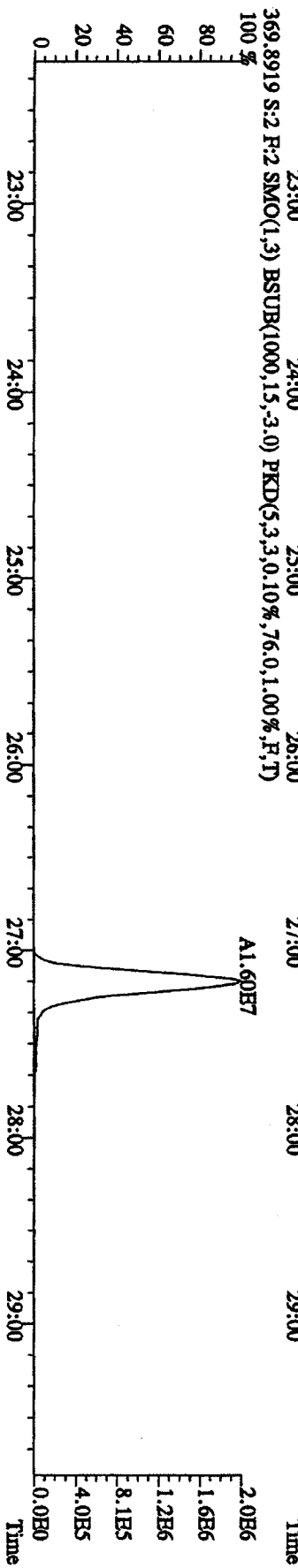
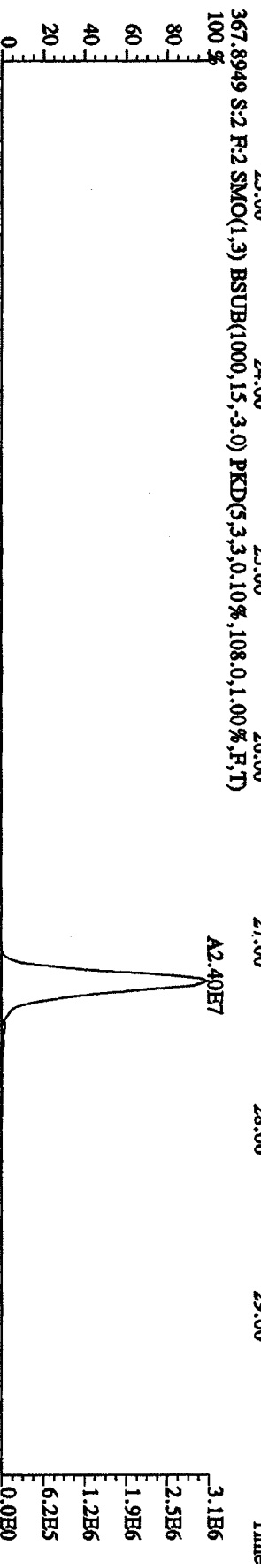
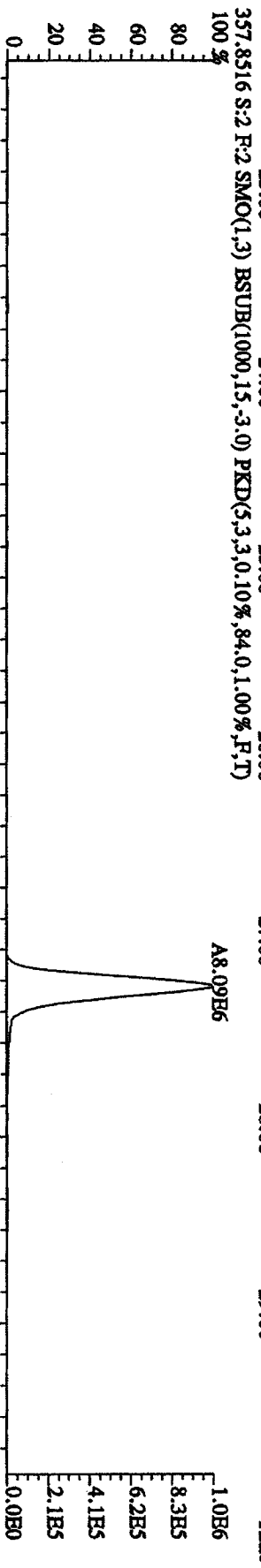
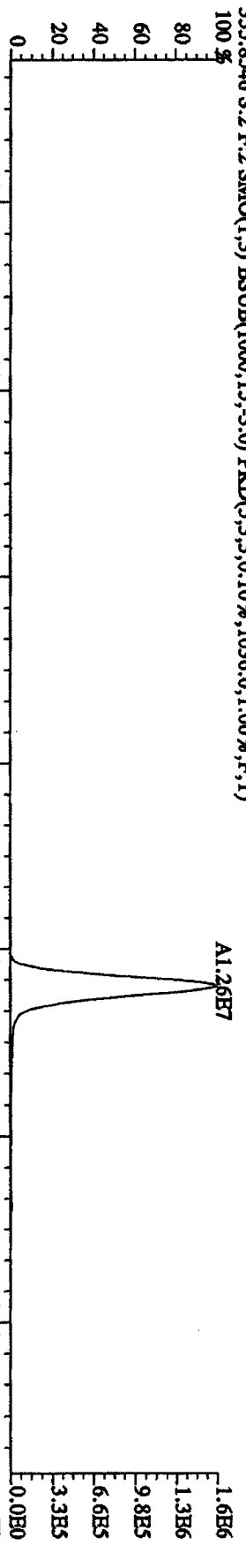
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



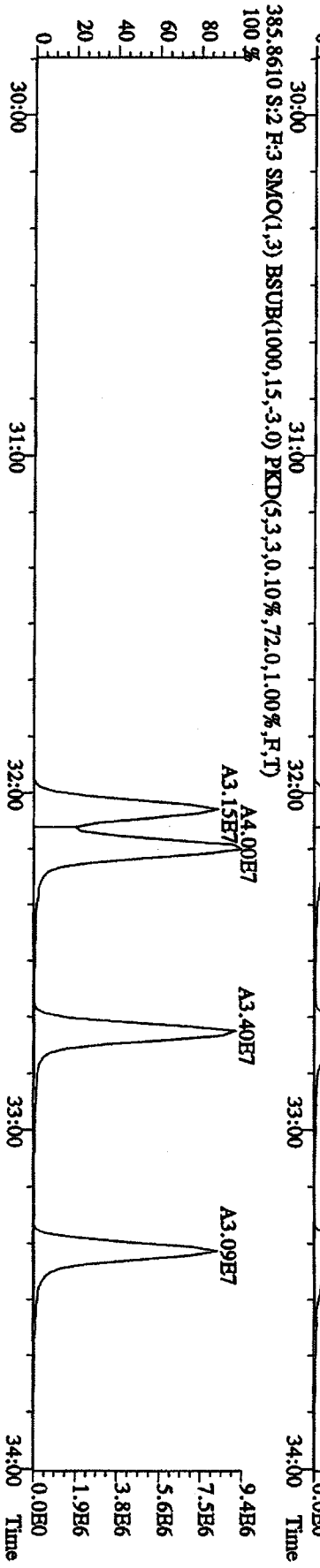
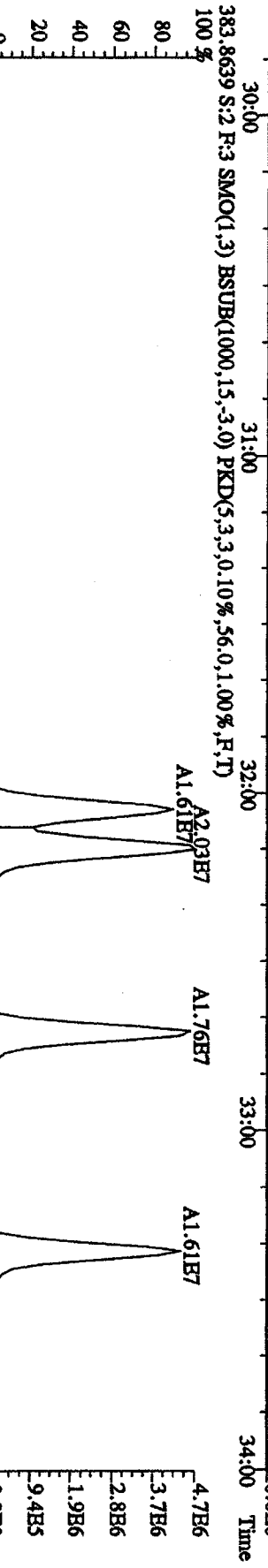
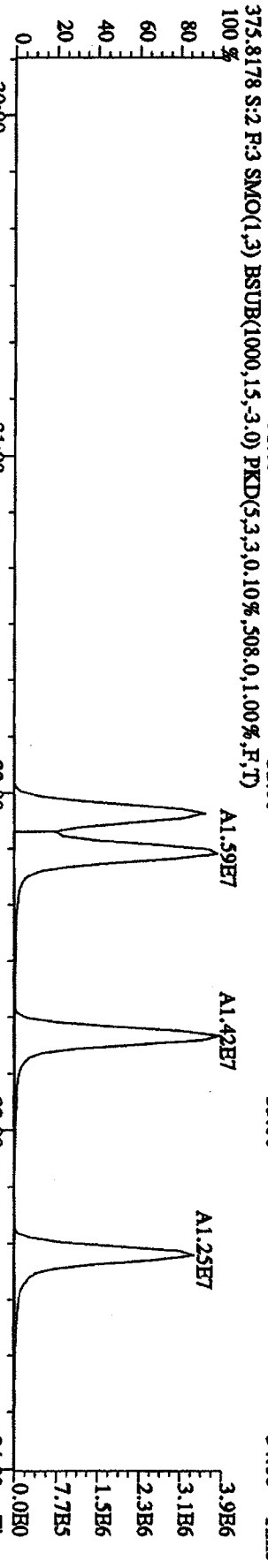
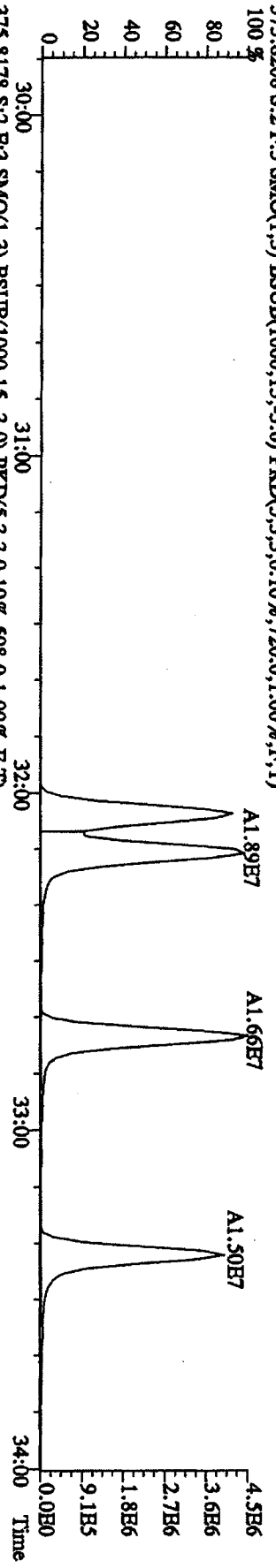
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)



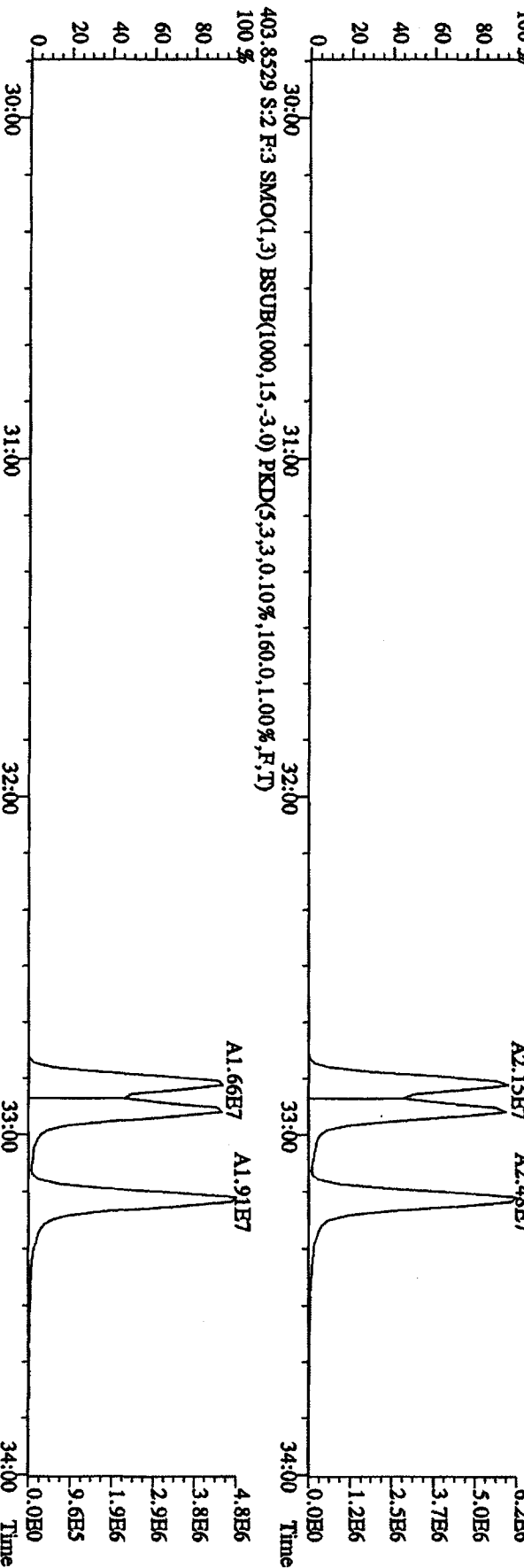
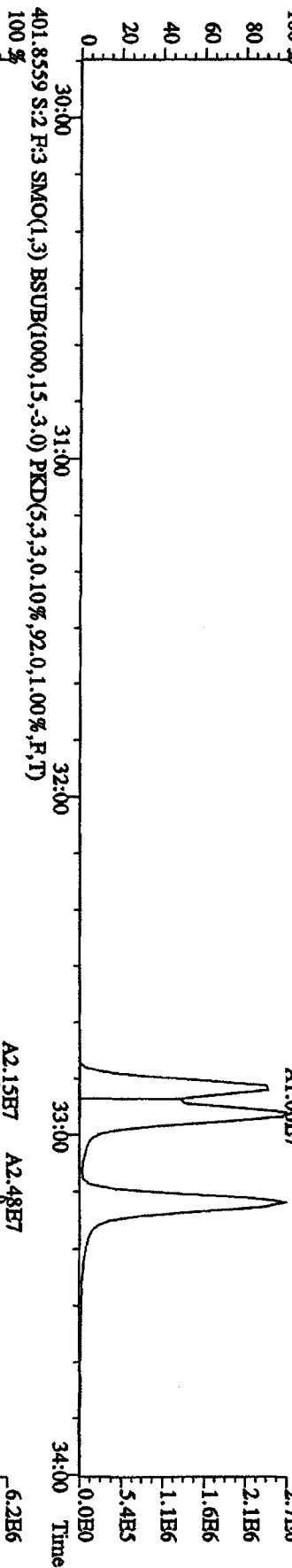
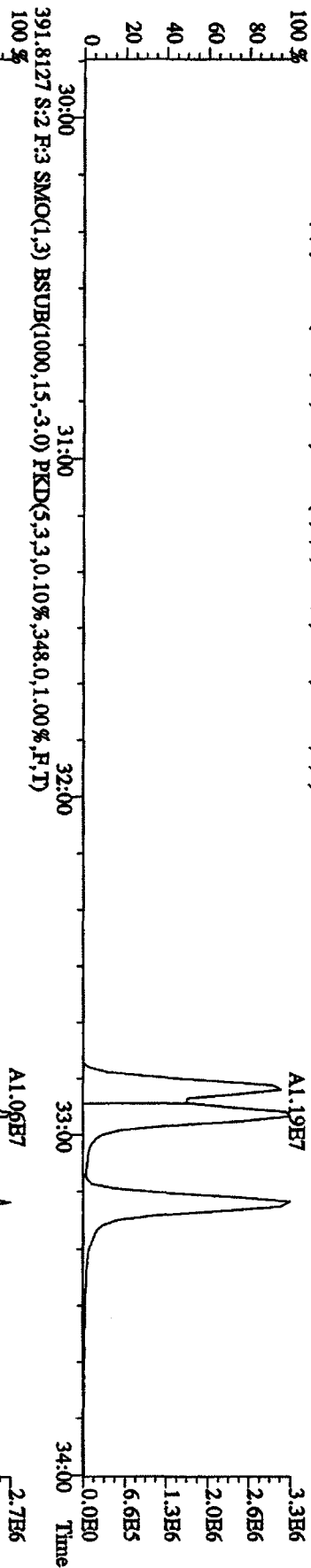
File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SFR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1036.0,1.00%,F,T) 100%



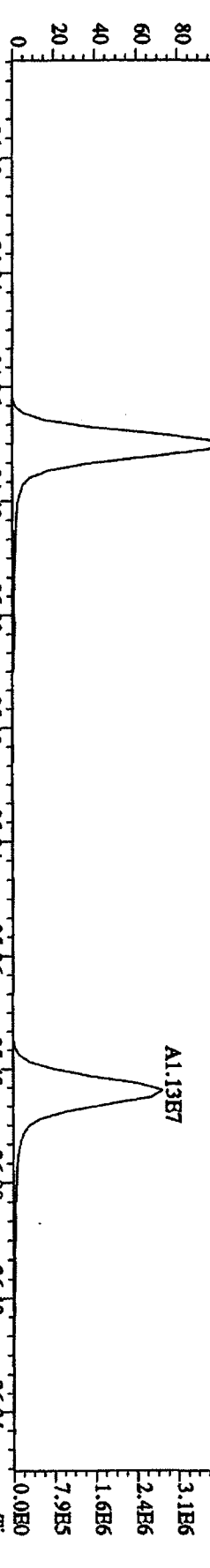
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)



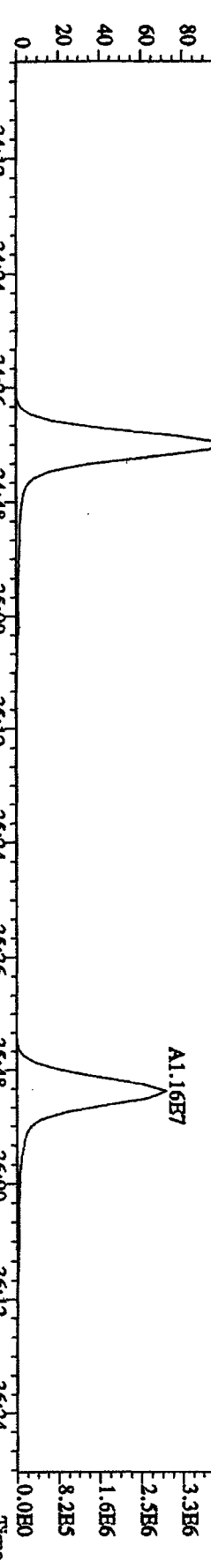
File: 12AP104D5 #1-317 Acq: 12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRBS8290A
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,588,0,1,00%,F,T)



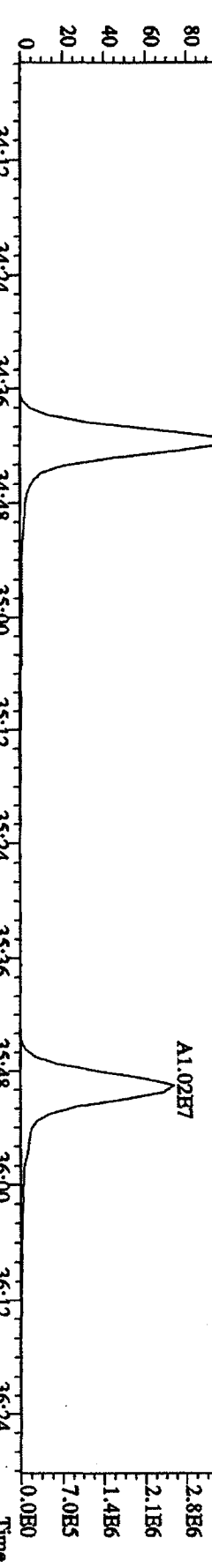
File: 12AP104D5 #1-198 Acq: 12-APR-2010 09:14:17 GC: EI+ Voltage: SIR Autospec: UltimaB
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6488,0,1.00%,F,T)
 100%



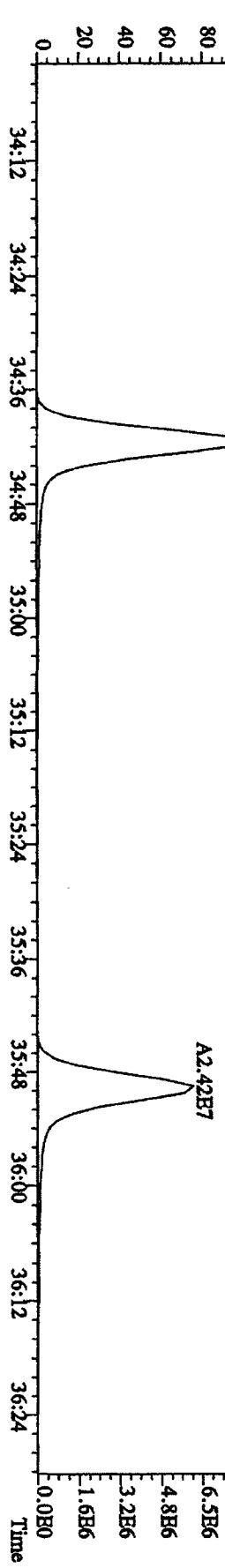
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6956,0,1.00%,F,T)
 100%



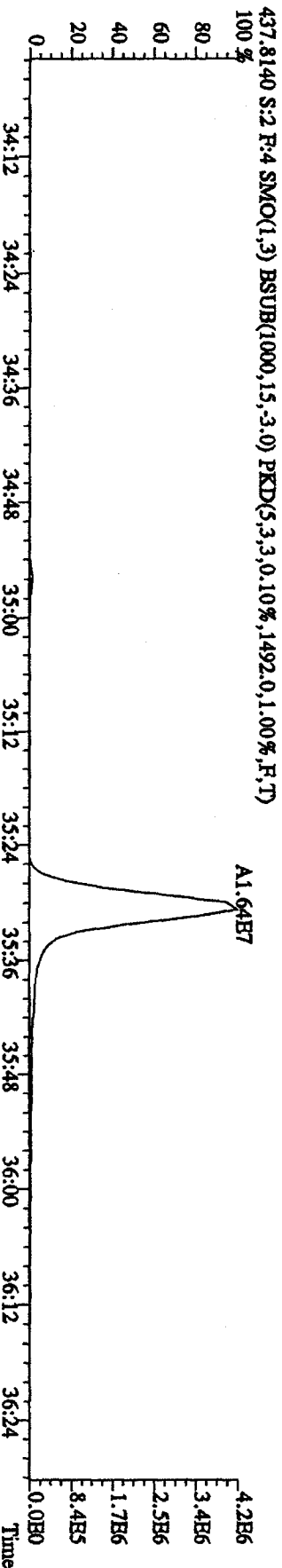
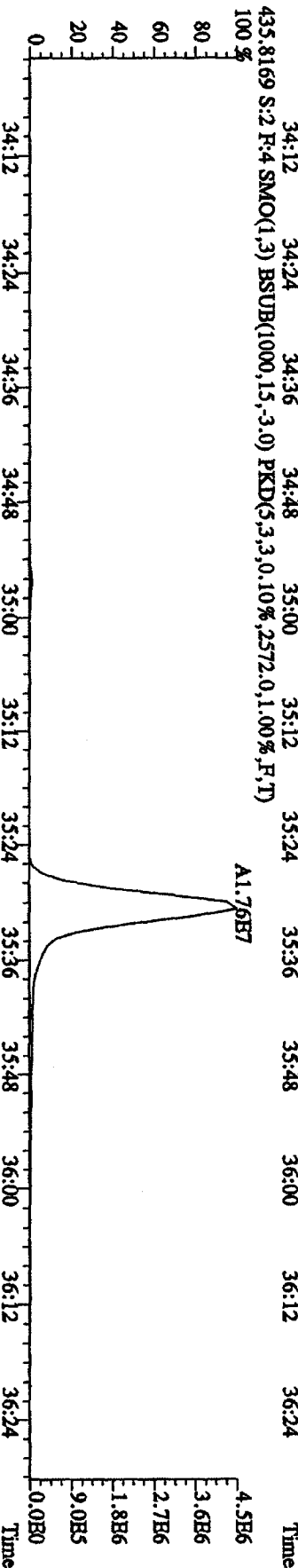
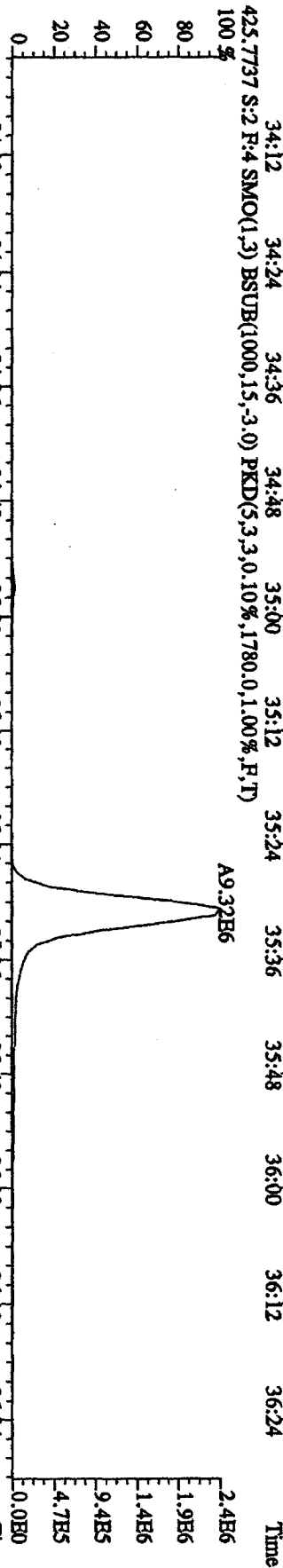
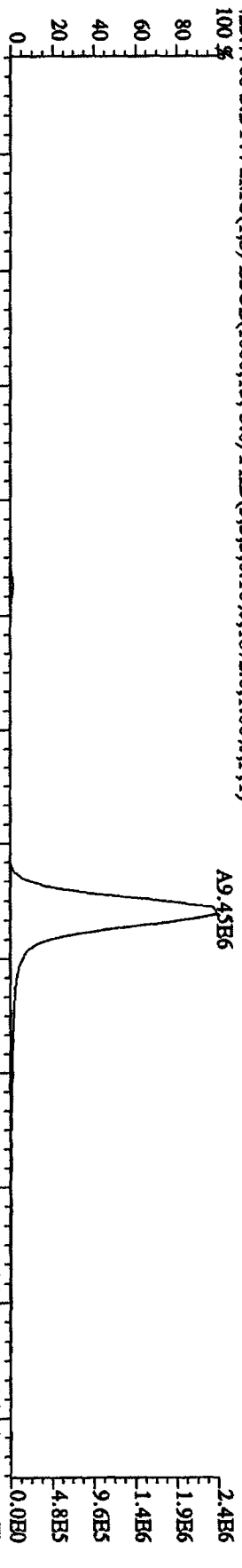
417.8253 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5740,0,1.00%,F,T)
 100%



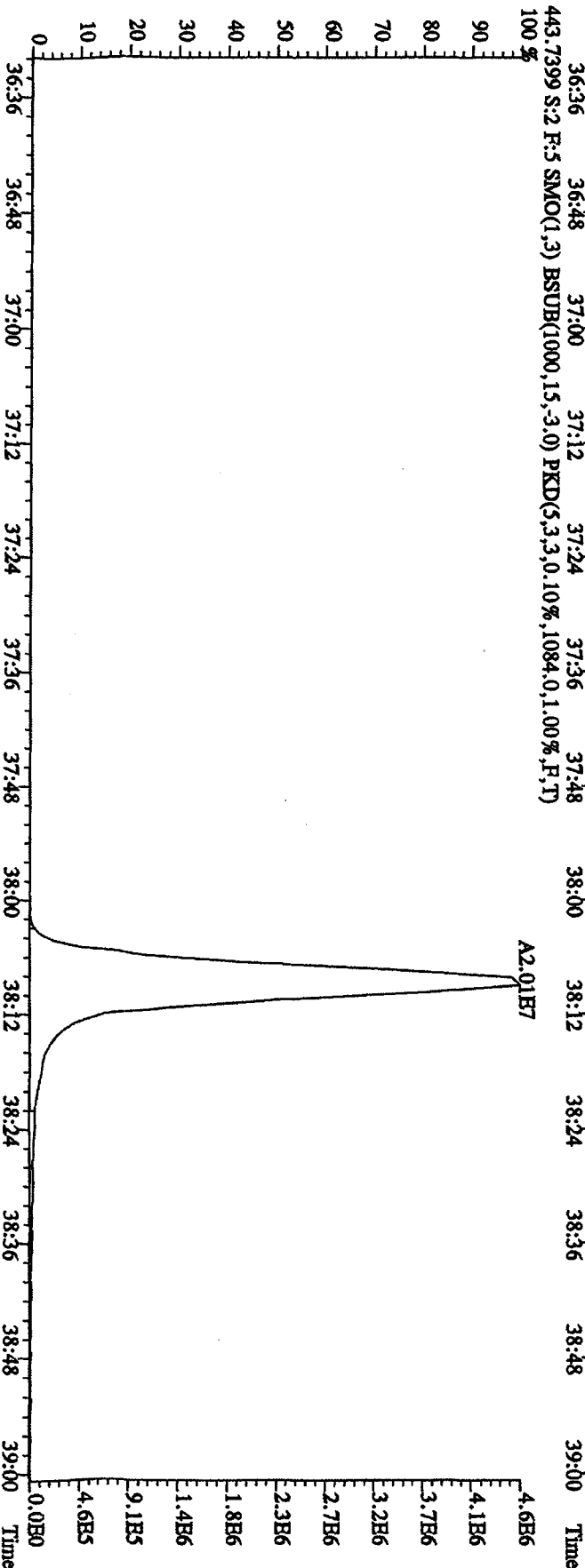
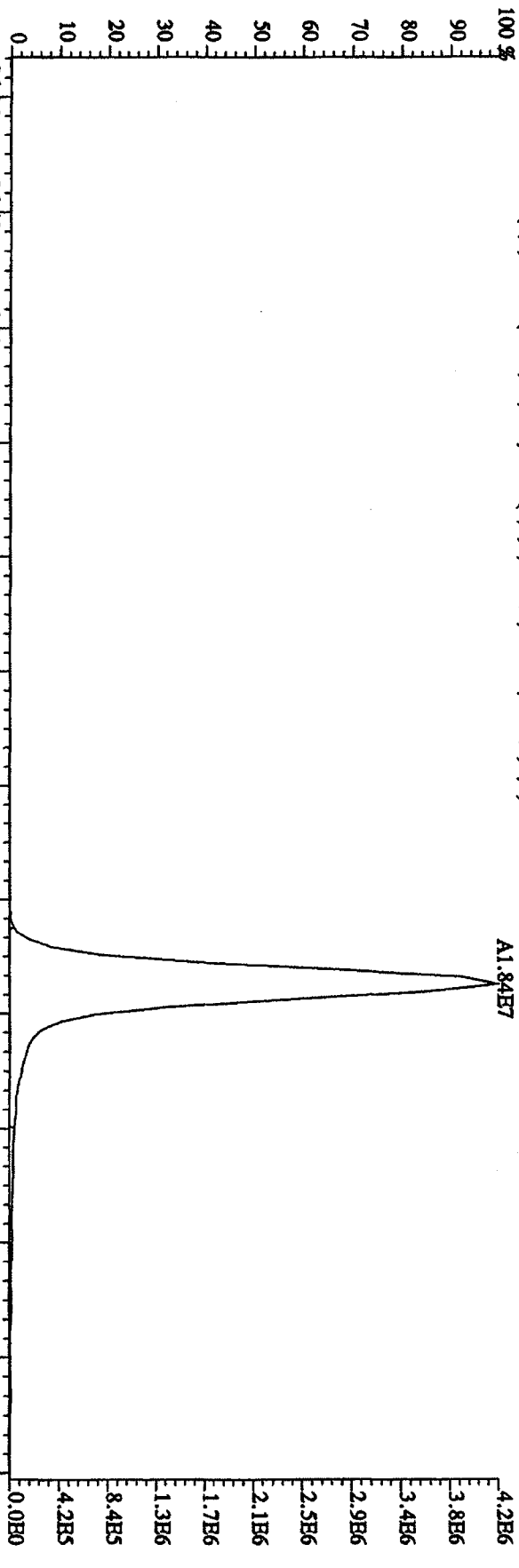
419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15892,0,1.00%,F,T)
 100%



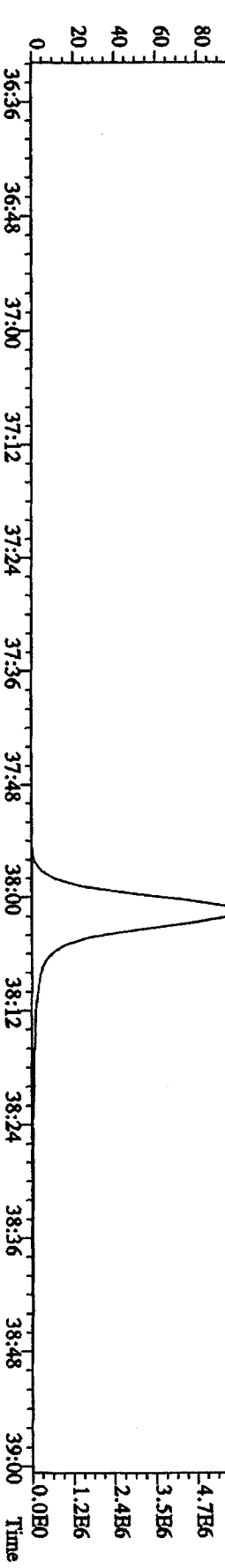
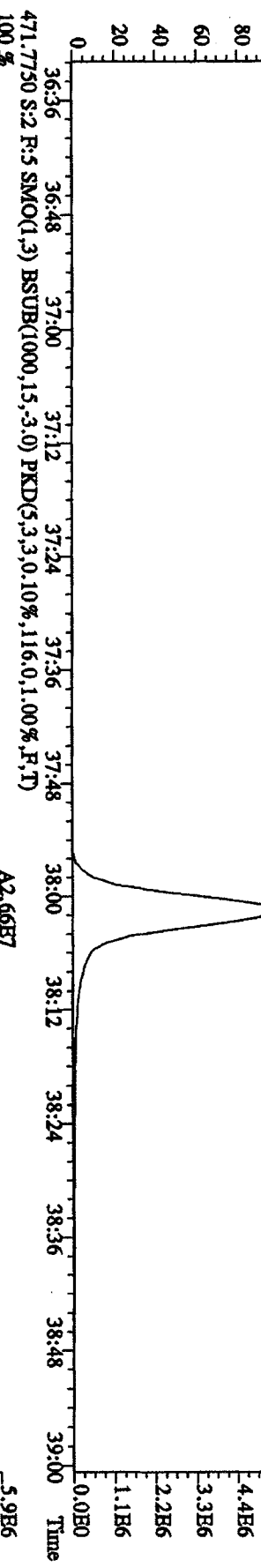
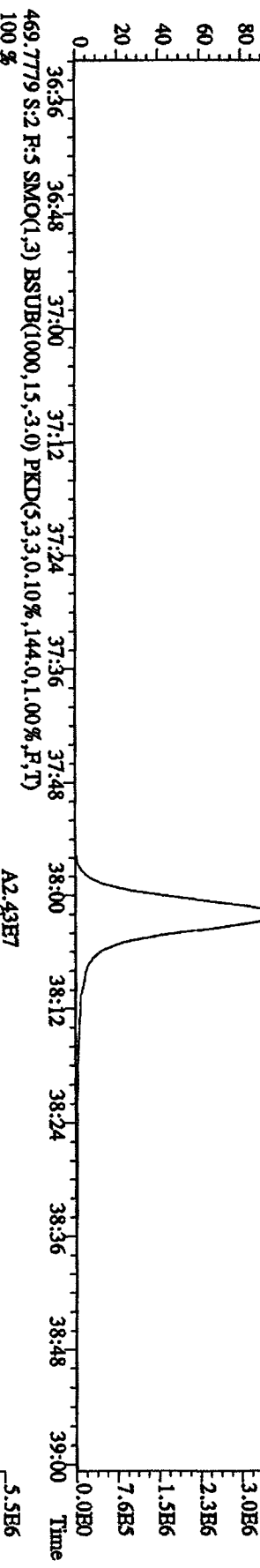
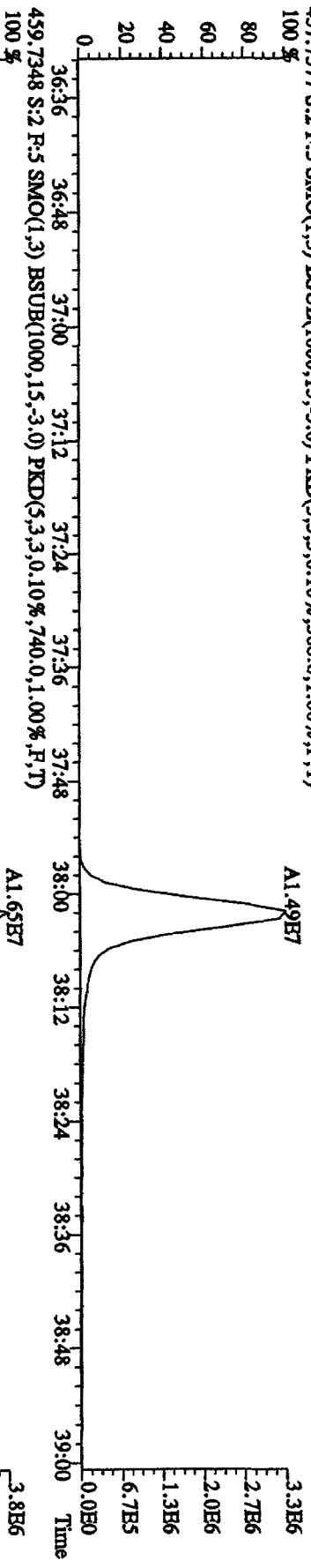
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 423.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.872,0,1.00%,F,T)



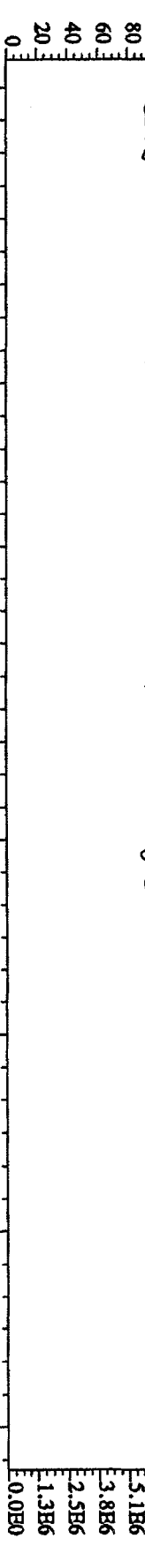
File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1340.0,1.00%,F,T)



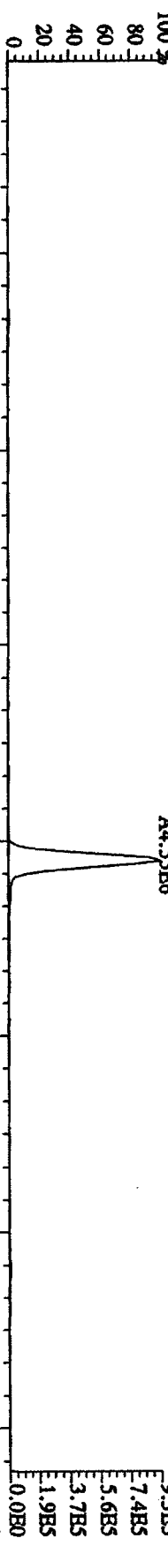
File: 12AP104D5 #1-191 Acq: 12-APR-2010 09:14:17 GC HF+ Voltage SIR Autospec-UltimaB
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRBS8290A
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,568.0,1.00%,F,T) 100%



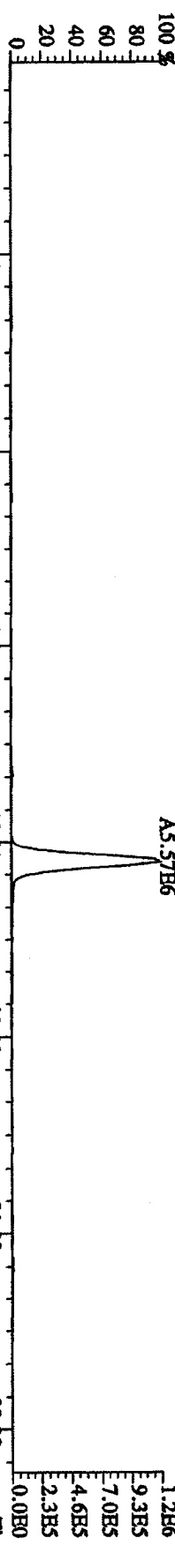
File: 12AP104D5 #1-435 Acq: 12-APR-2010 09:14:17 GC: EI+ Voltage: SIR Autospec: Ultimate
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A
 354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:14 15:41 16:29 17:15 17:50 18:21 18:56 19:23 19:48 20:41 21:08 21:43



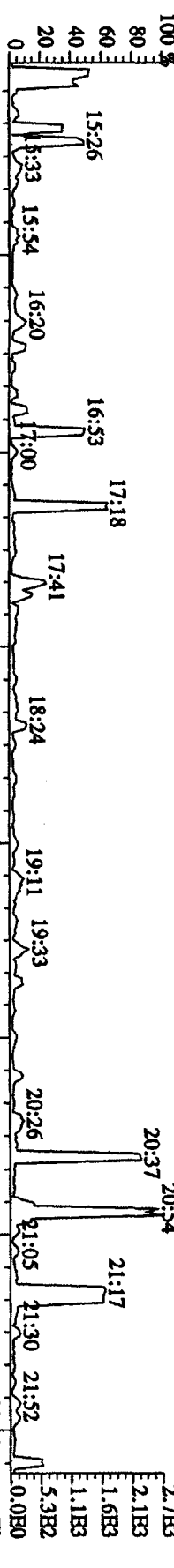
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1208,0.1,0.00%,F,T)
 100% 9.3B5 7.4B5 5.6B5 3.7B5 1.9B5
 0.0B0



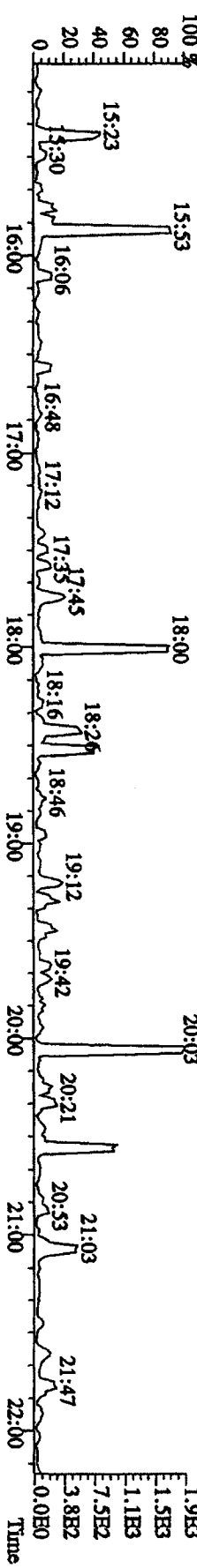
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1740,0.1,0.00%,F,T)
 100% 1.2B6 9.3B5 7.0B5 4.6B5 2.3B5
 0.0B0



375.8364 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,96.0,1.00%,F,T)
 100% 2.7B3 2.1B3 1.6B3 1.1B3 5.3B2
 0.0B0

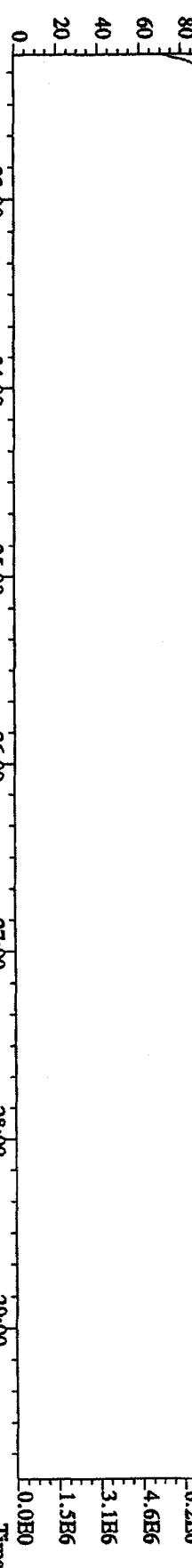


409.7974 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,76.0,1.00%,F,T)
 100% 1.9B3 1.5B3 1.1B3 7.5B2 3.8B2 0.0B0

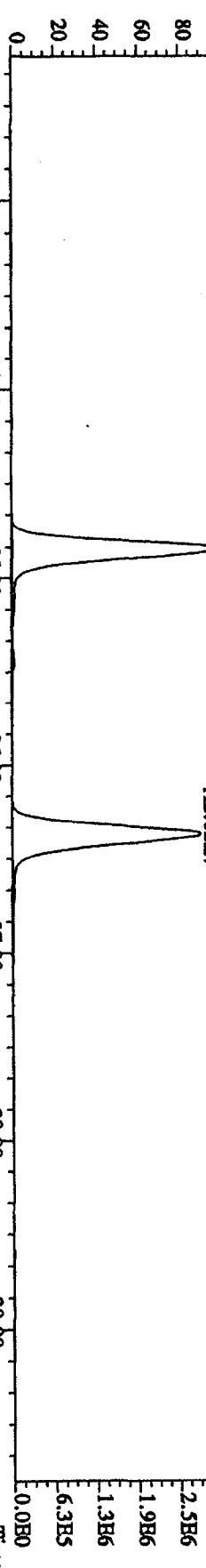


File: 12AP104D5 #1-604 Acq: 12-APR-2010 09:14:17 GC HI + Voltage SIR Autospec-Ultimate

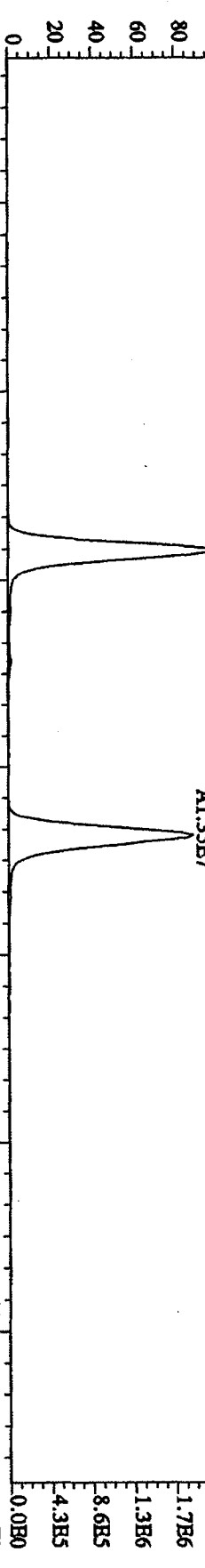
Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A
 354.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 22:33 23:01 23:34 24:01 24:43 25:14 25:41 26:17 26:58 27:24 27:55 28:31 28:56 29:21



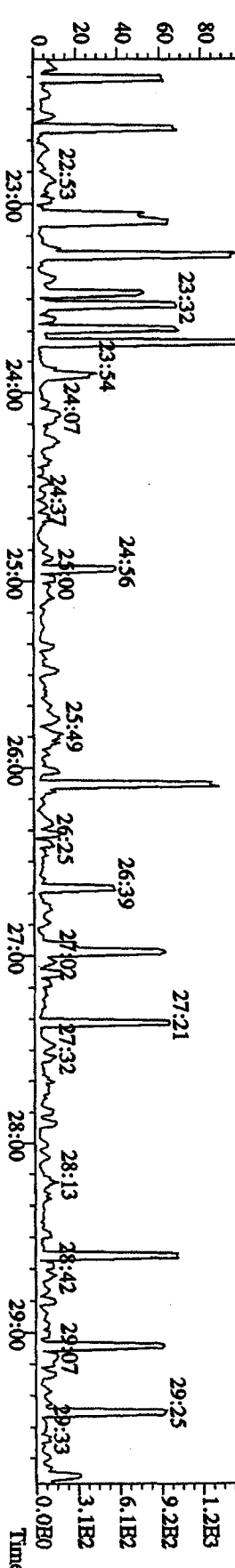
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1572.0,1.00%,F,T)
 100% A2.11E7 A2.02E7

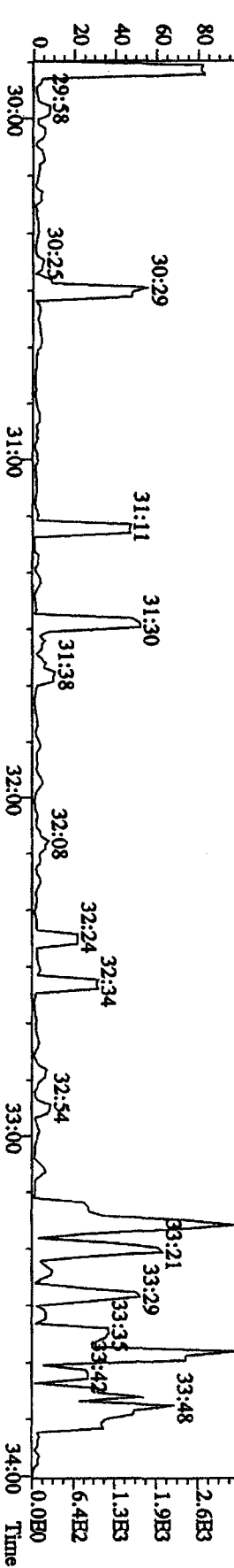
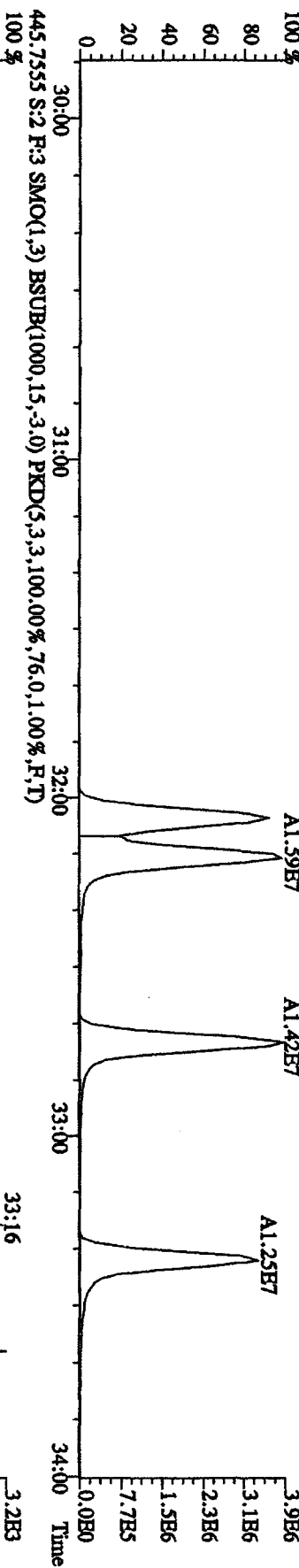
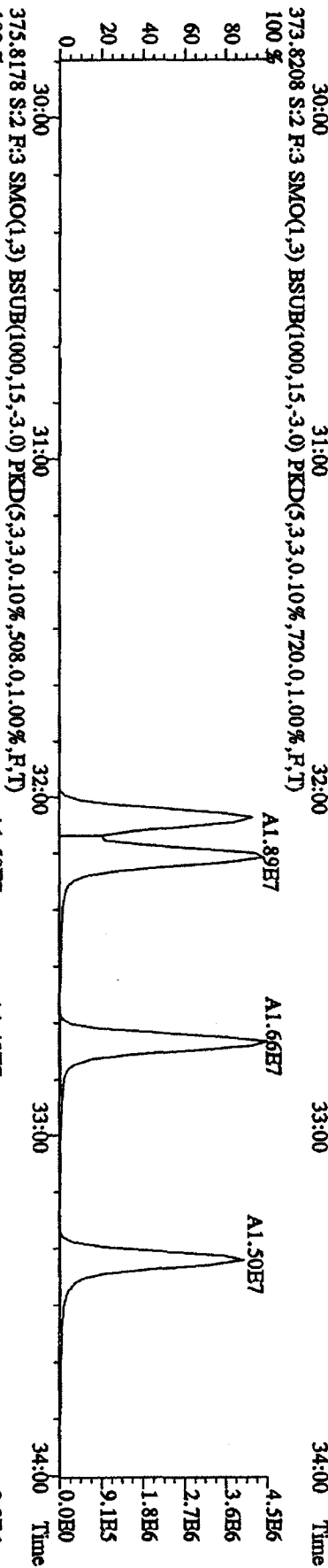
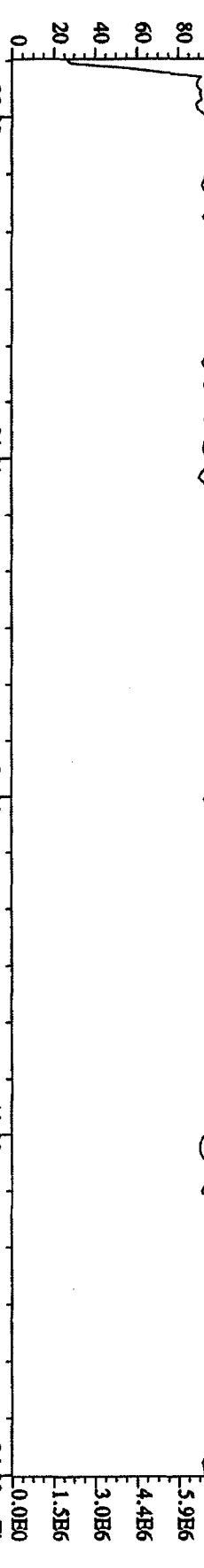


341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)
 100% A1.43E7 A1.35E7



409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,88.0,1.00%,F,T)
 100%



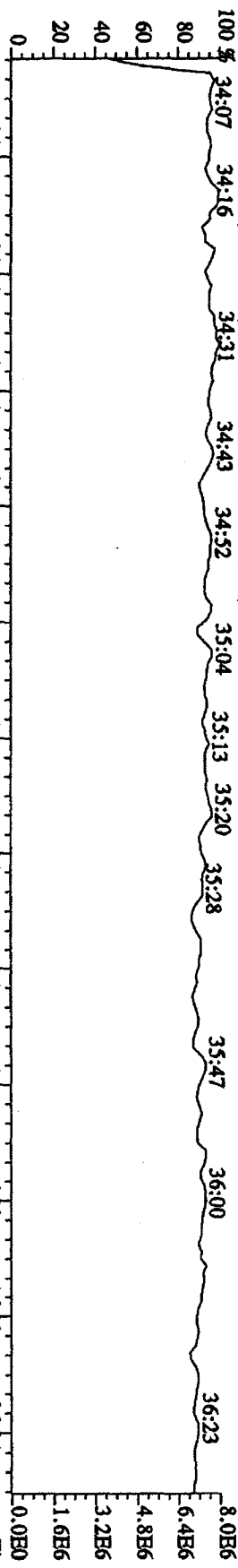


File: 12AP104D5 #1-198 Acq: 12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UltimaB

Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A

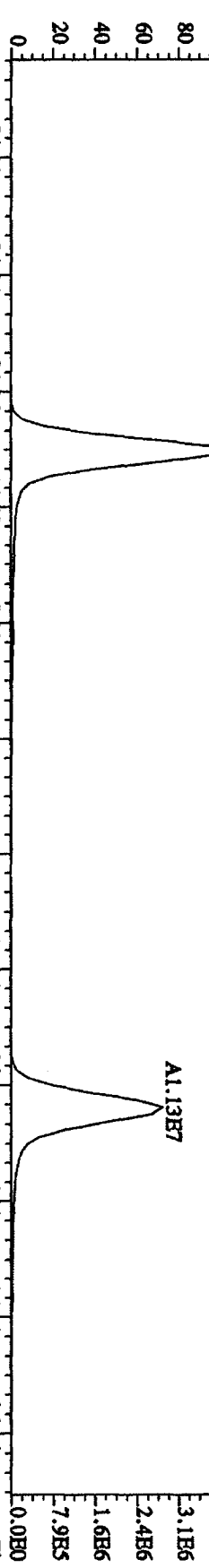
430.9728 S:2 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)

100% 34:07 34:16 34:31 34:43 34:52 35:04 35:13 35:20 35:28 35:47 36:00 36:23



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



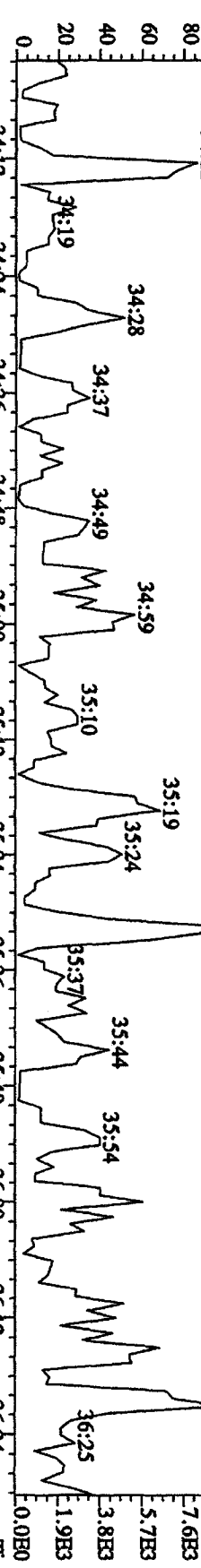
409.7789 S:2 F:4 SMO(1.3) BSUB(1000,15,3.0) PKD(5.3,3.0,10%,6956.0,1.00%,F,T)

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

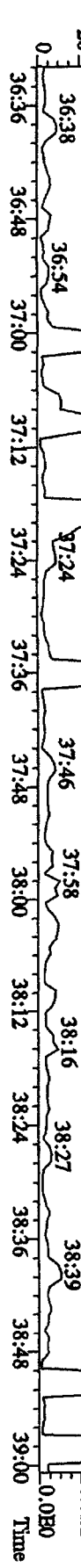
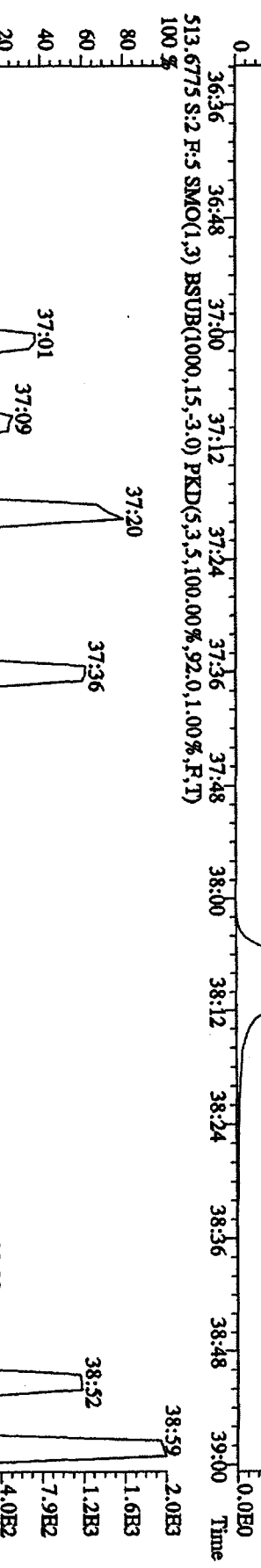
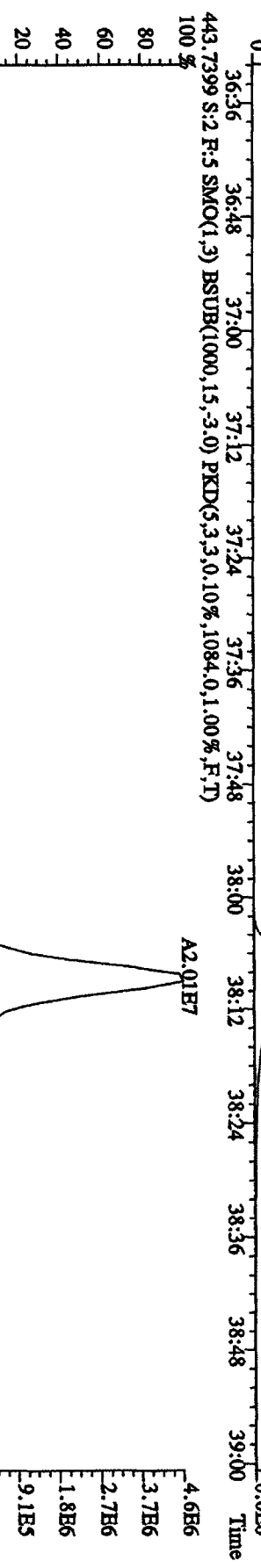
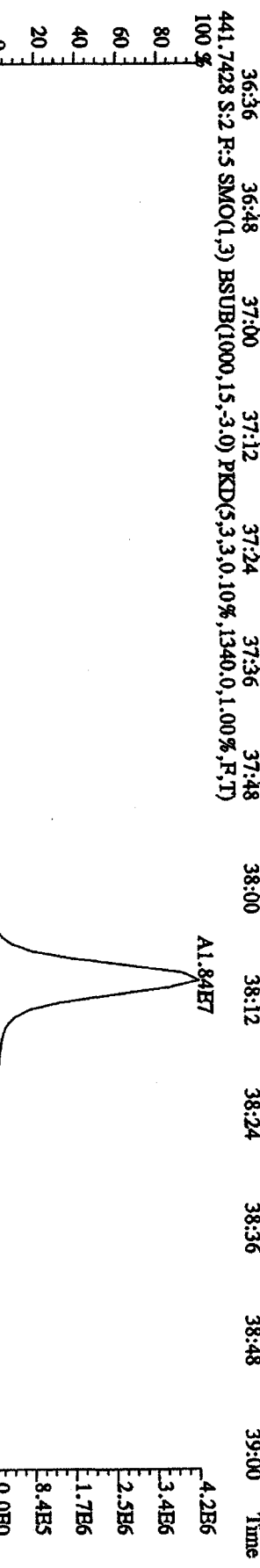
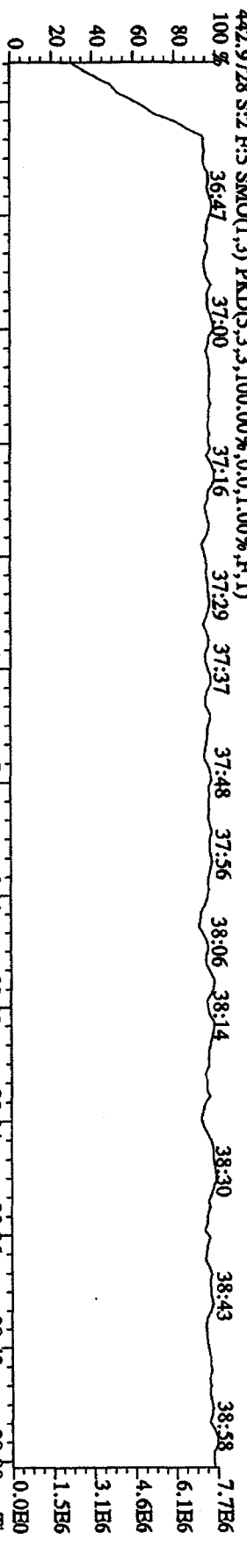


479.7165 S:2 F:4 SMO(1.3) BSUB(1000,15,3.0) PKD(5.3,3.100.00%,2236.0,1.00%,F,T)

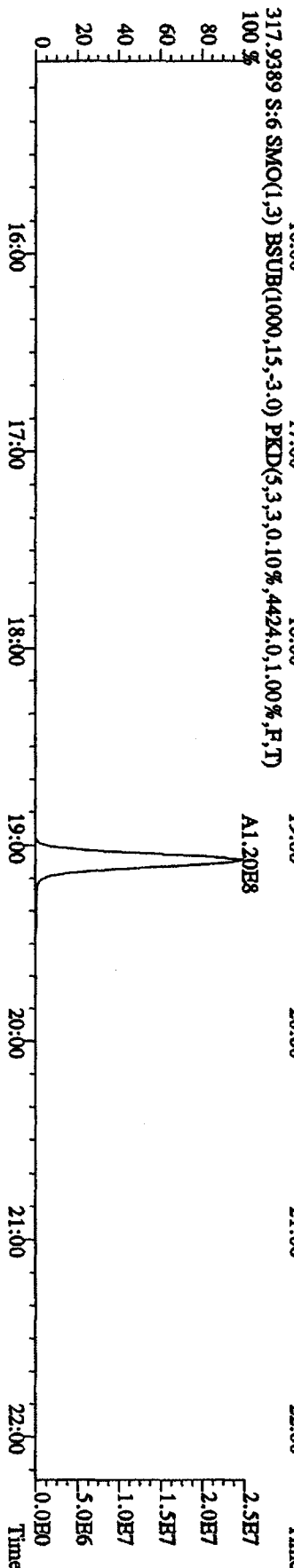
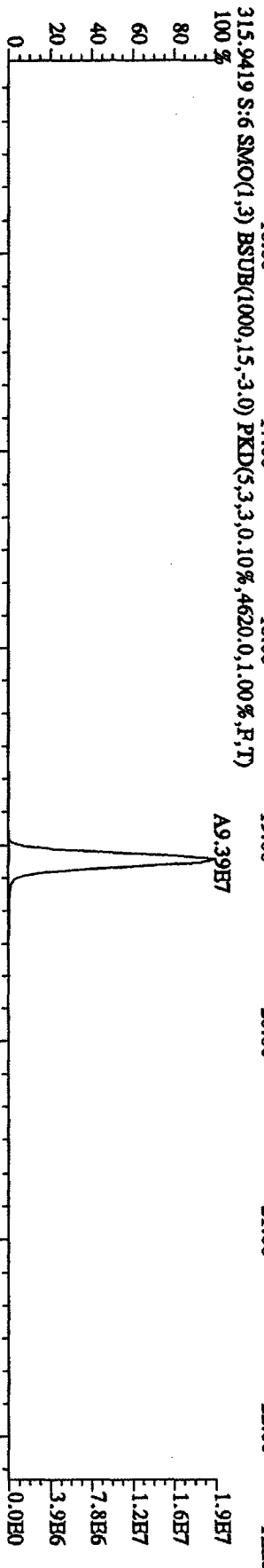
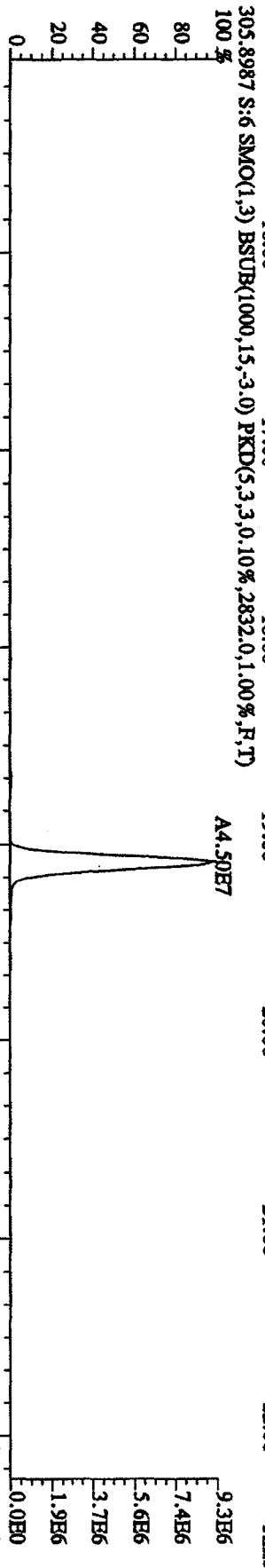
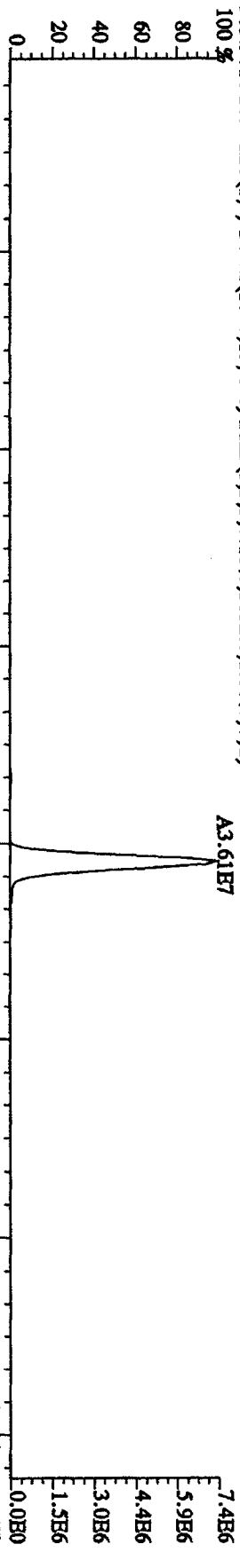
100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



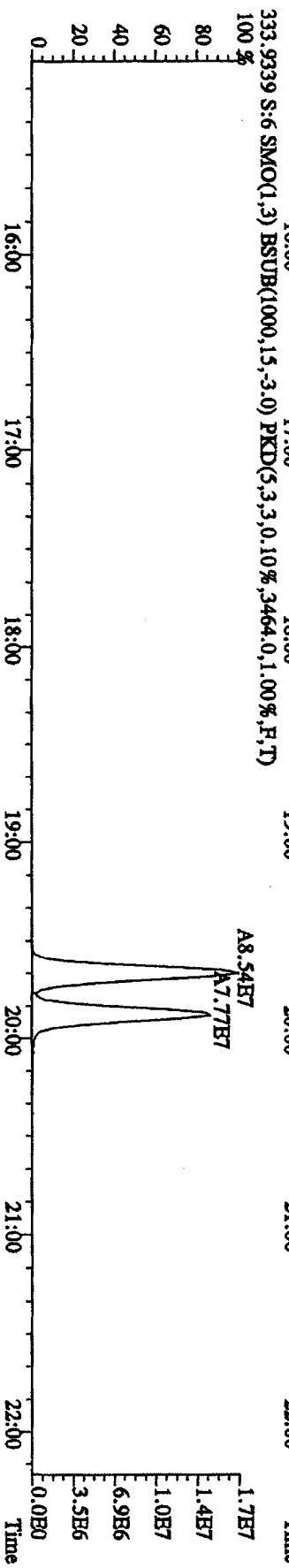
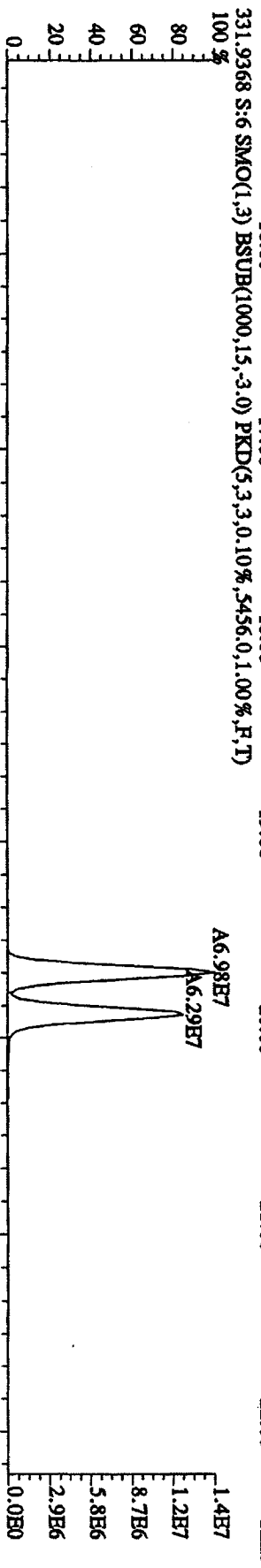
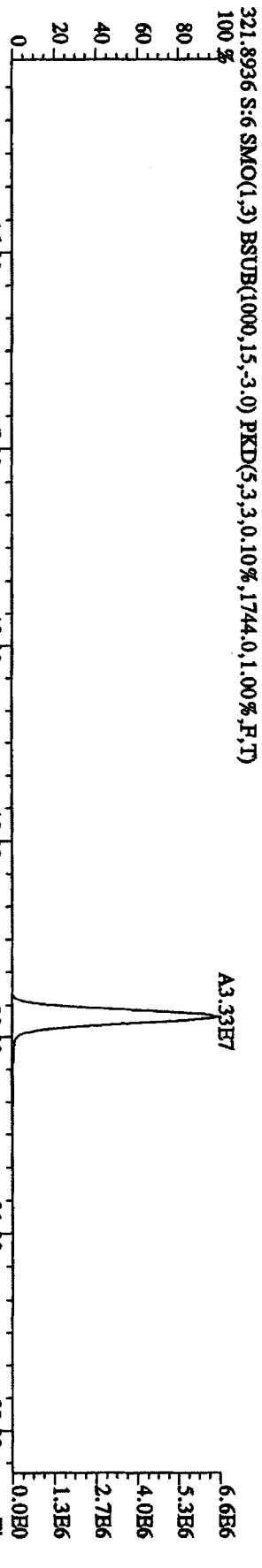
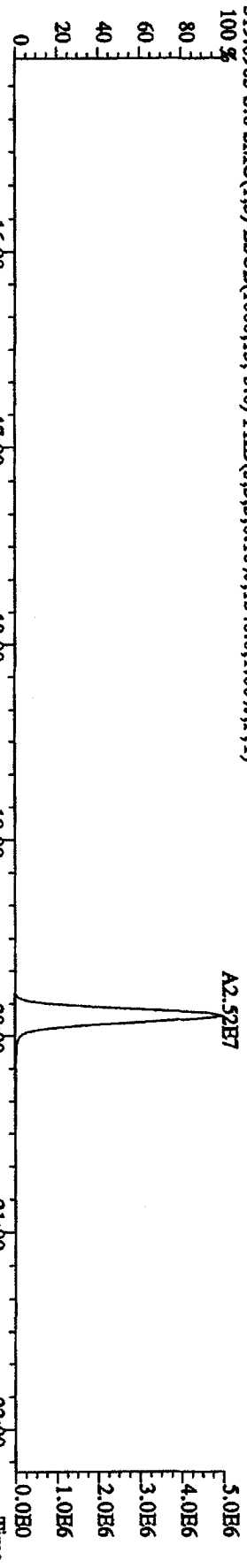
File: 12AP104D5 #1-191 Acq: 12-APR-2010 09:14:17 GC: BI+ Voltage: SIR Autospec-UltimaB
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRBSS8290A



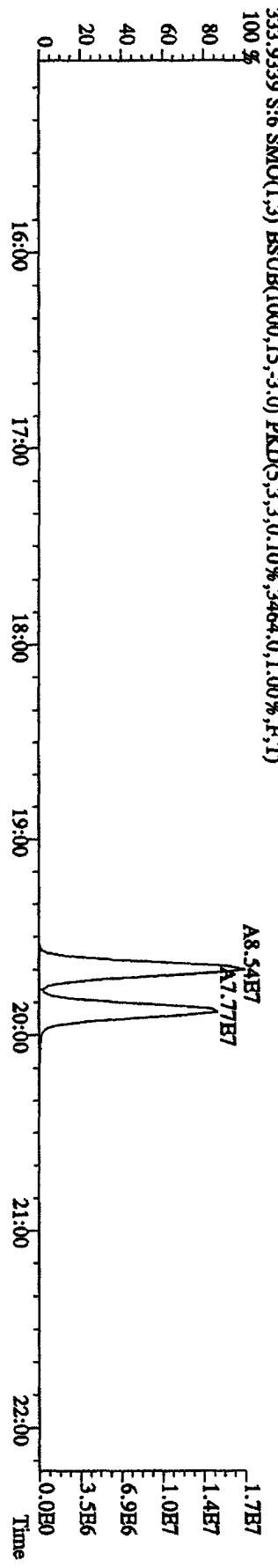
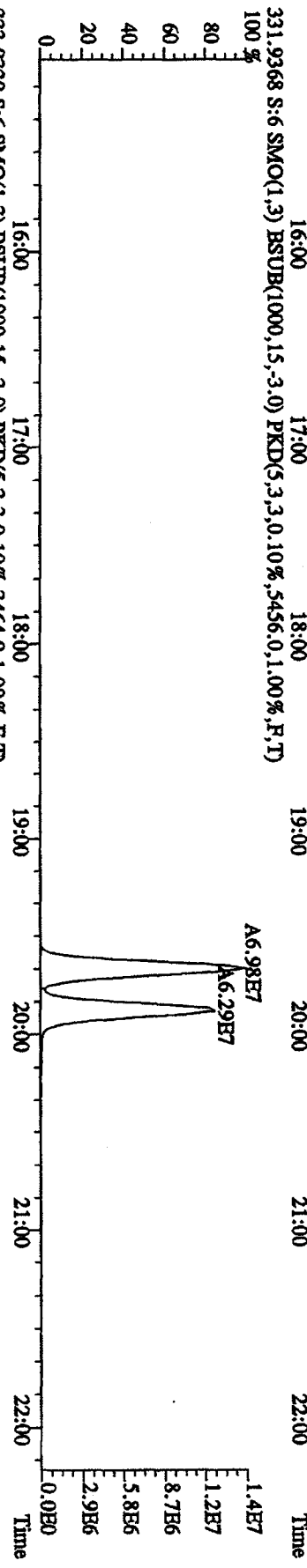
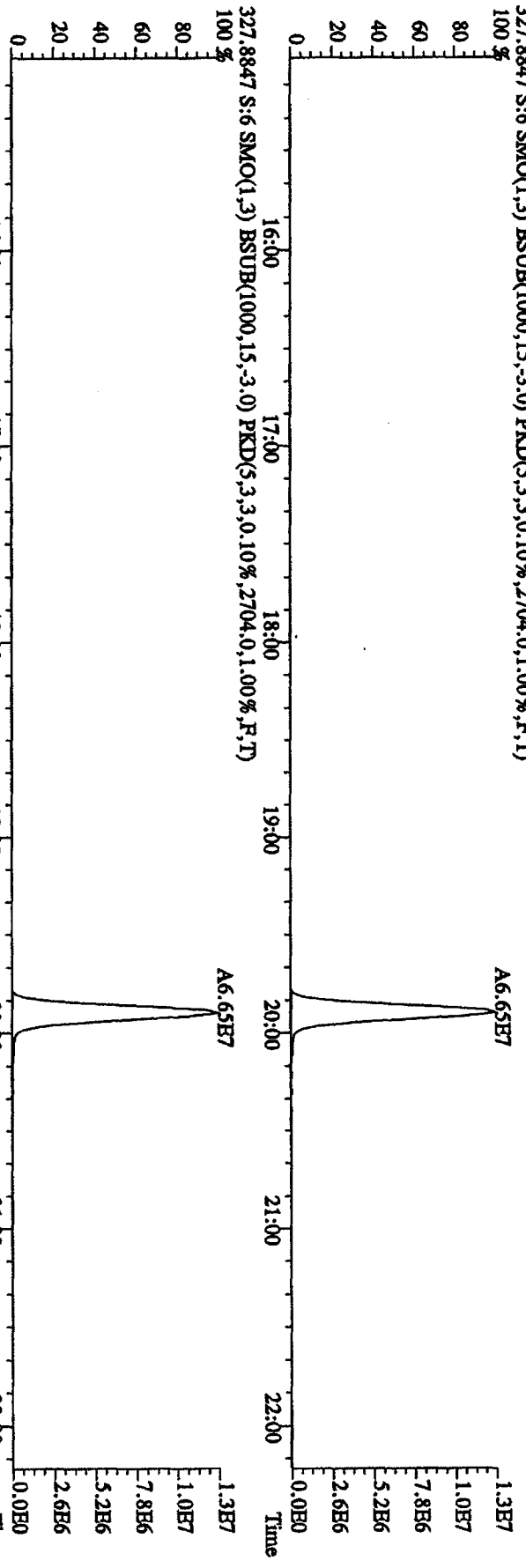
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC FI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRHS8290A
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)
 100 %



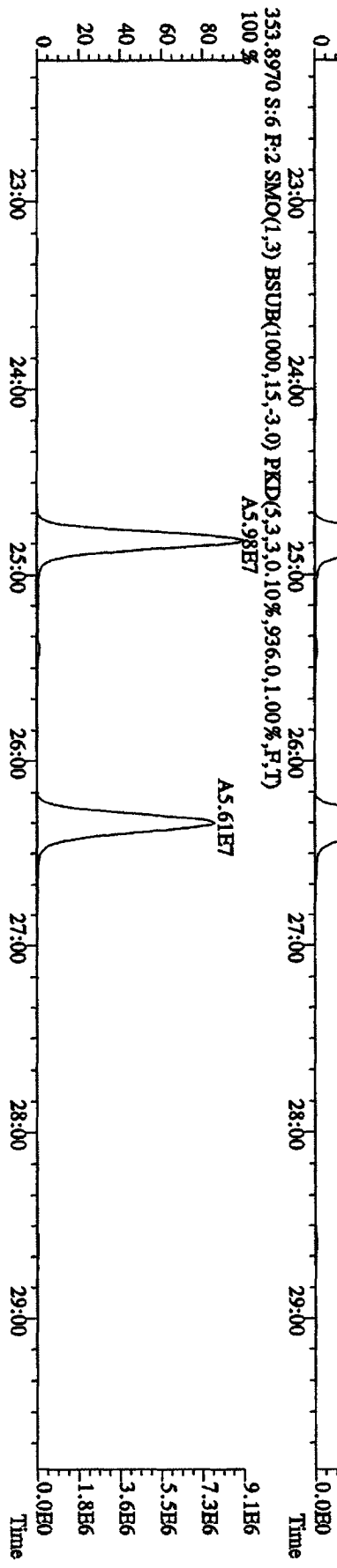
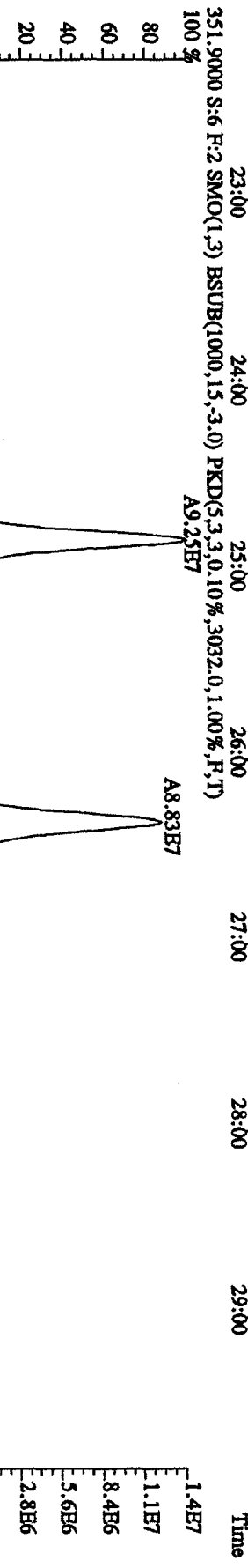
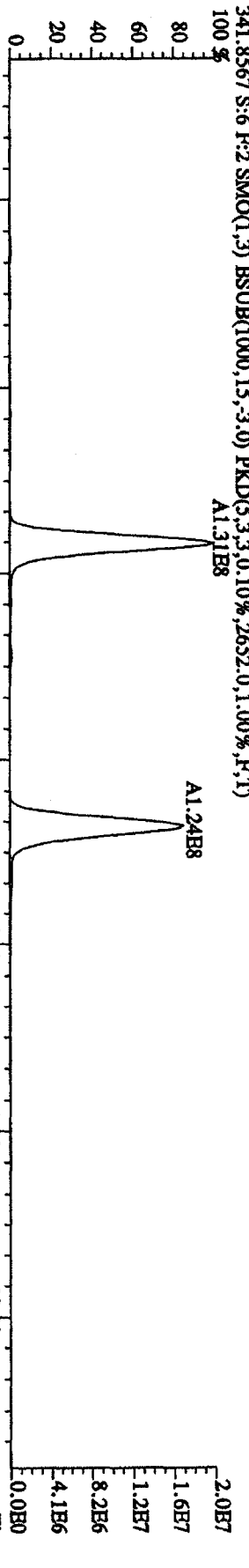
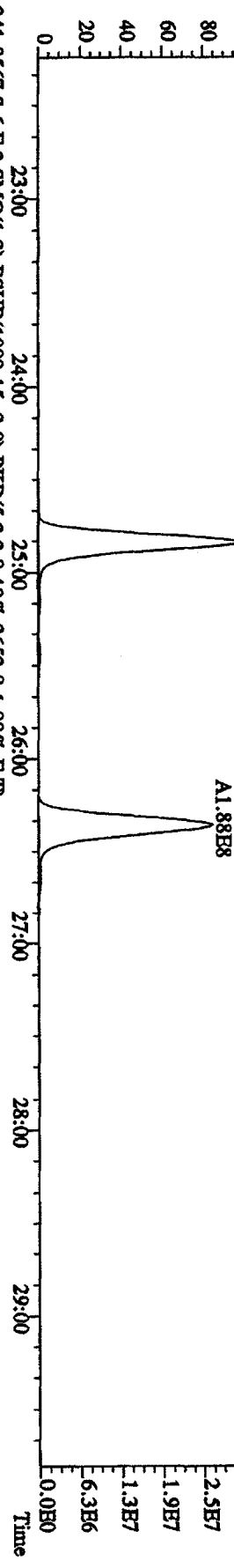
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UtimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRBS8290A
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1340,0,1,00%,F,T)



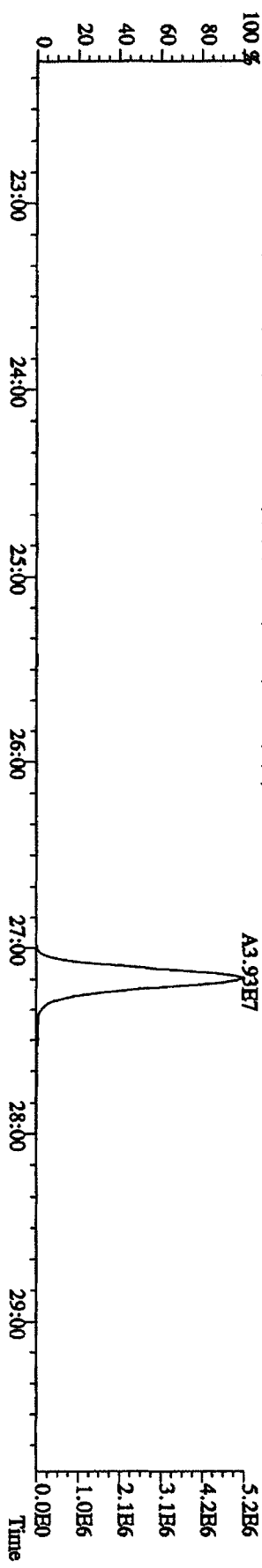
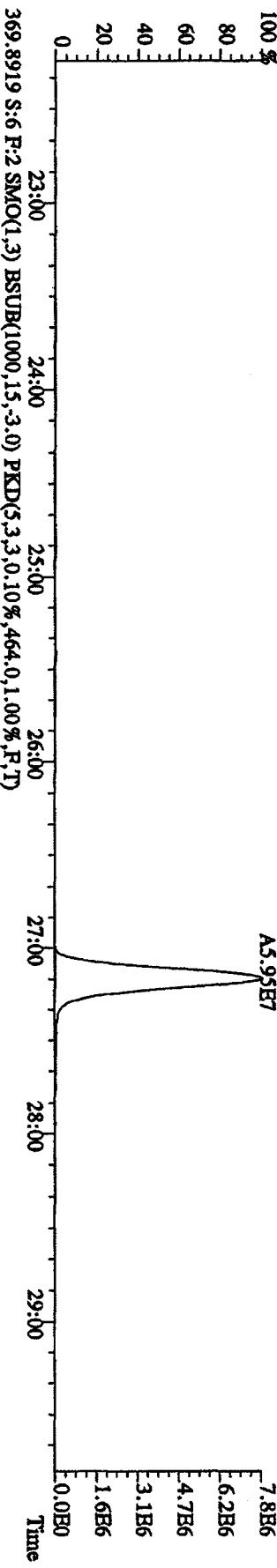
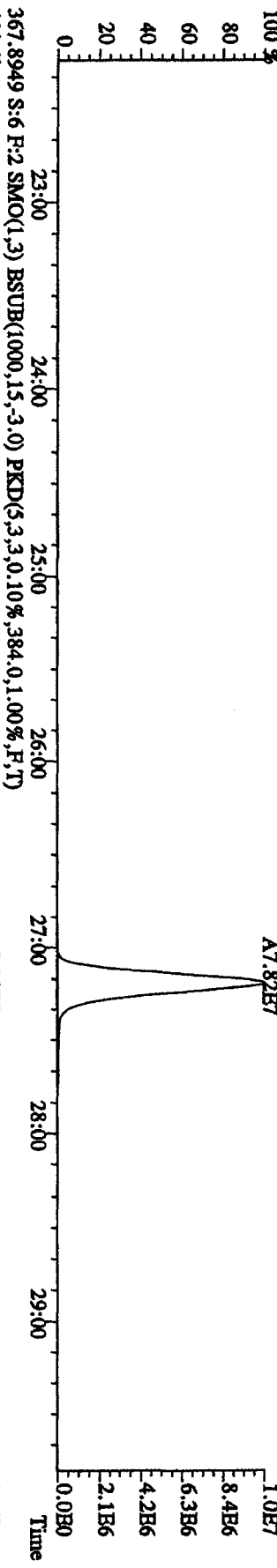
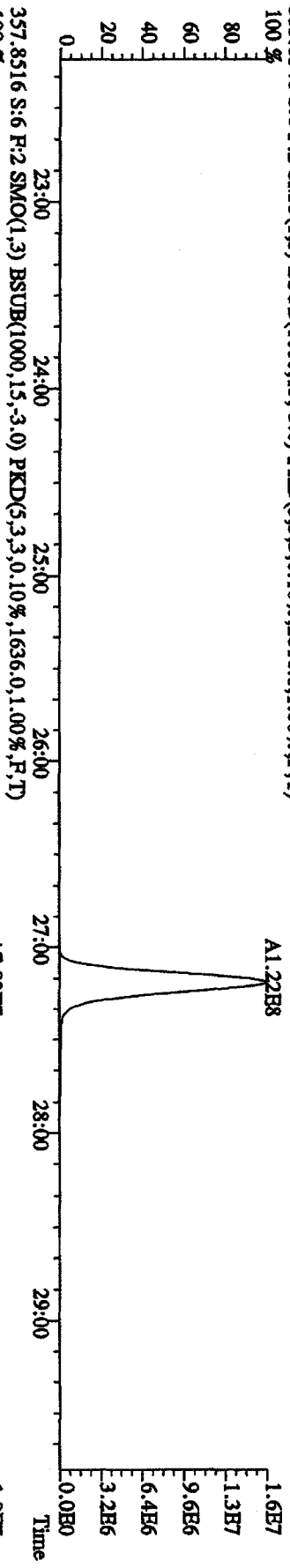
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SR Autospcc-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRHS8290A
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)
 100 %



File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI + Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Bsp:DIOXINRES6290A
 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 % A2.00E8

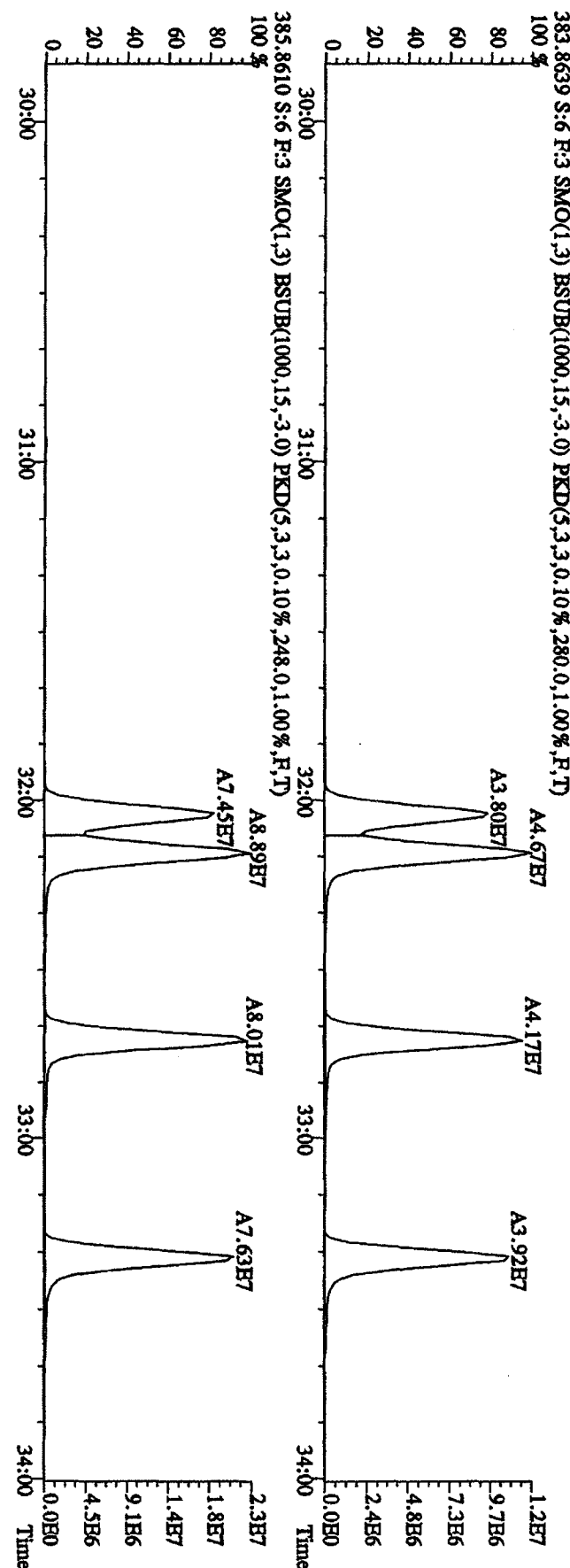
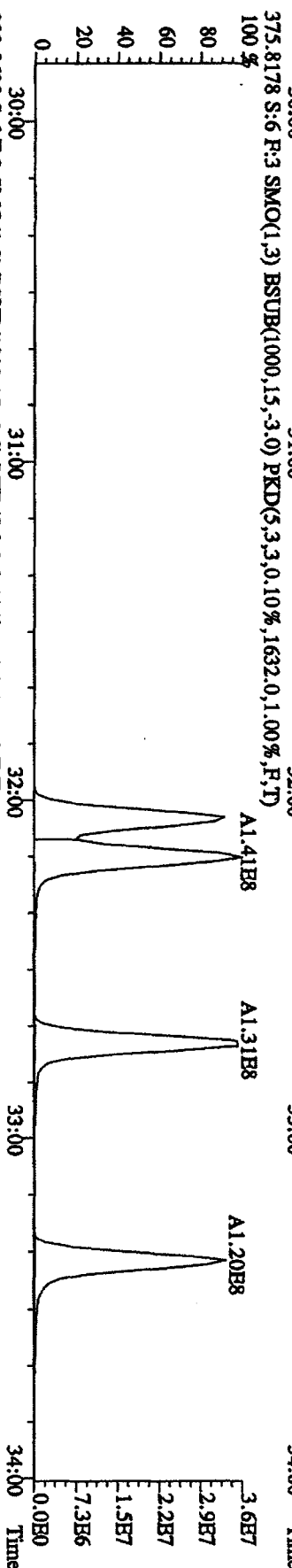
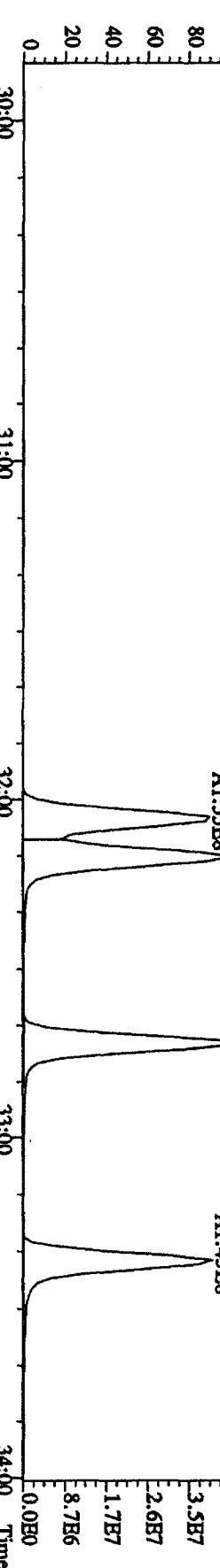


File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2816.0,1.00%,F,T)

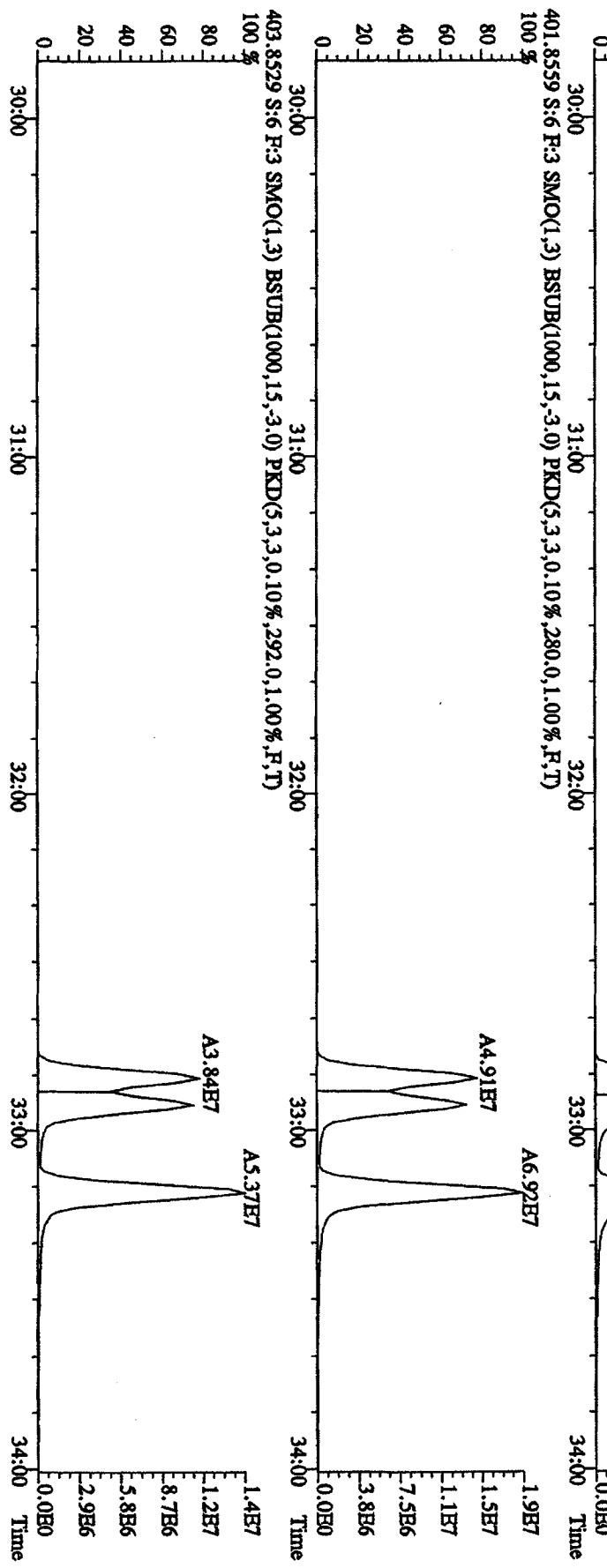
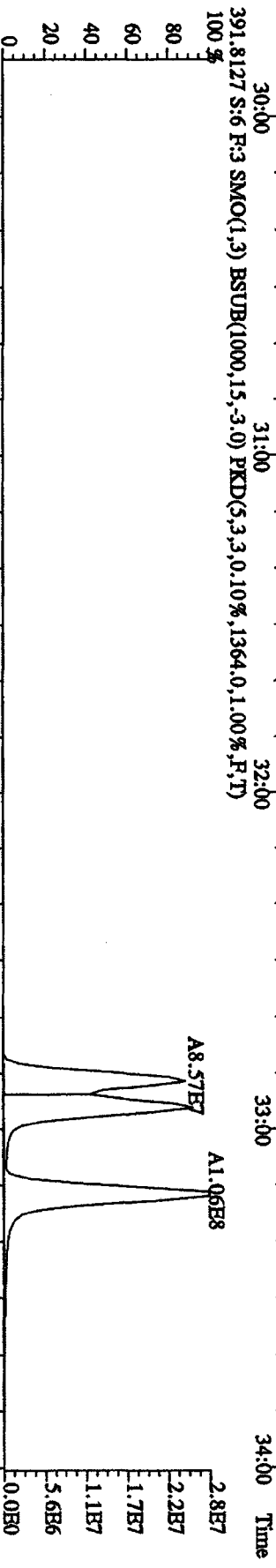
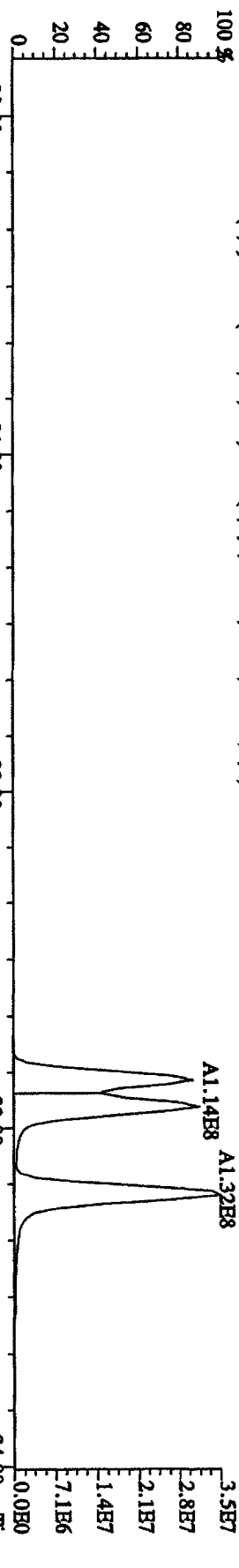


File:12ADP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltraH

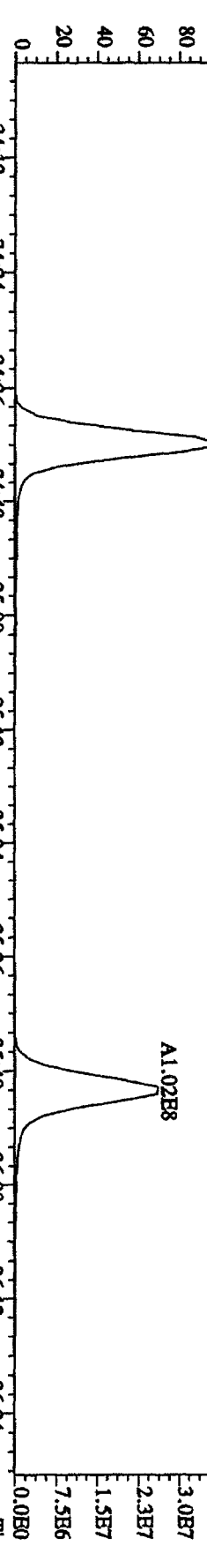
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



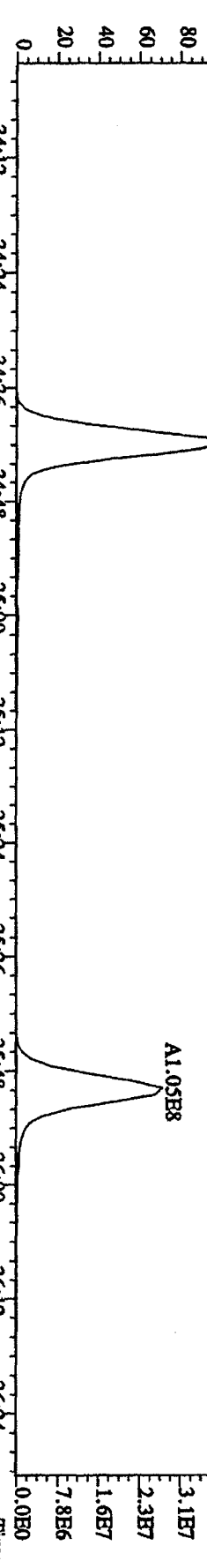
File: 12AP104D5 #1-317 Acq: 12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A
 389.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,868,0.1,0.0%,F,T)



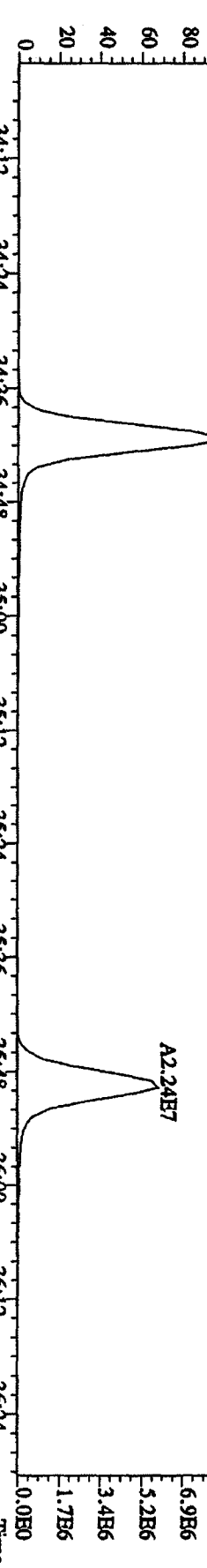
File:12AAP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC BI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRESS8290A
 407.77818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,27648,0,1.00%,F,T)
 100%



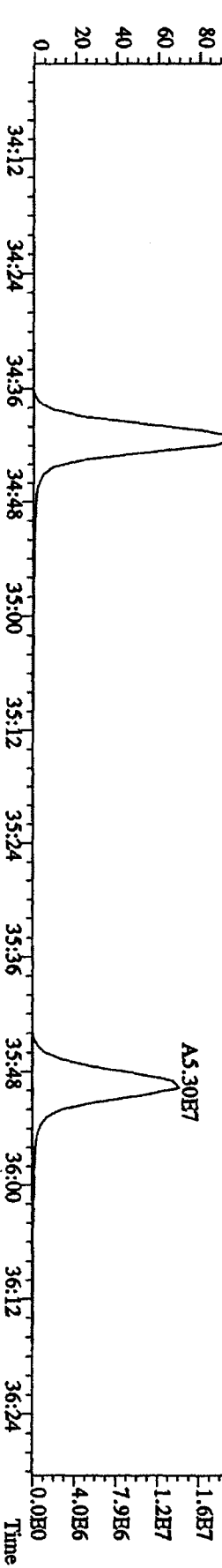
409.7789 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,24088,0,1.00%,F,T)
 100%



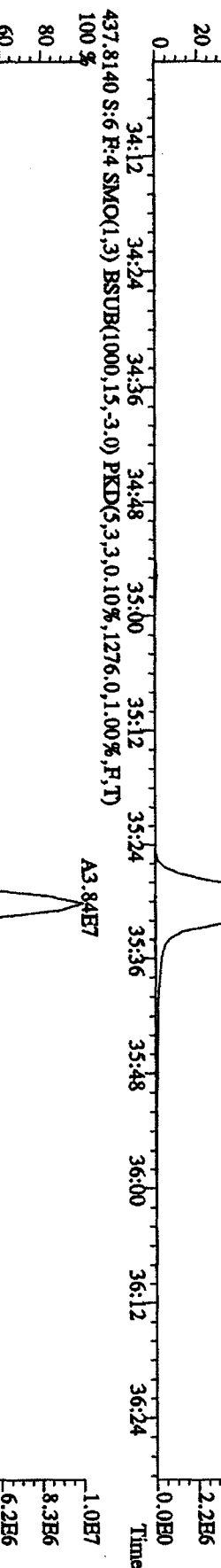
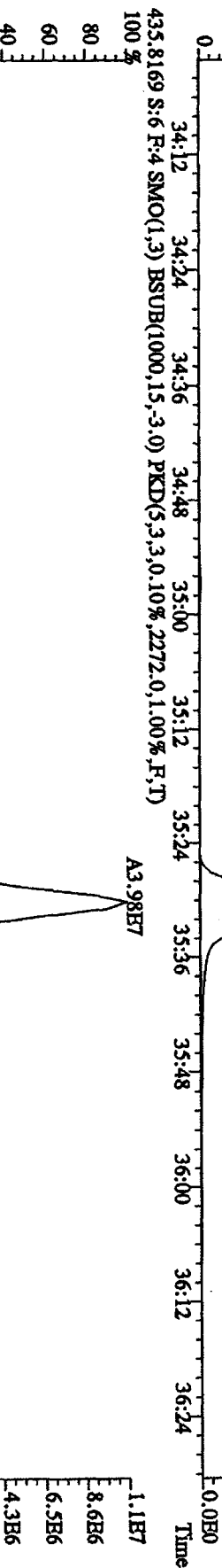
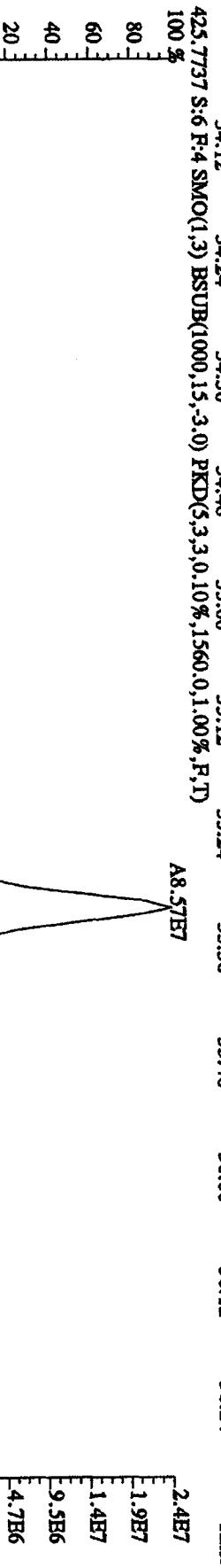
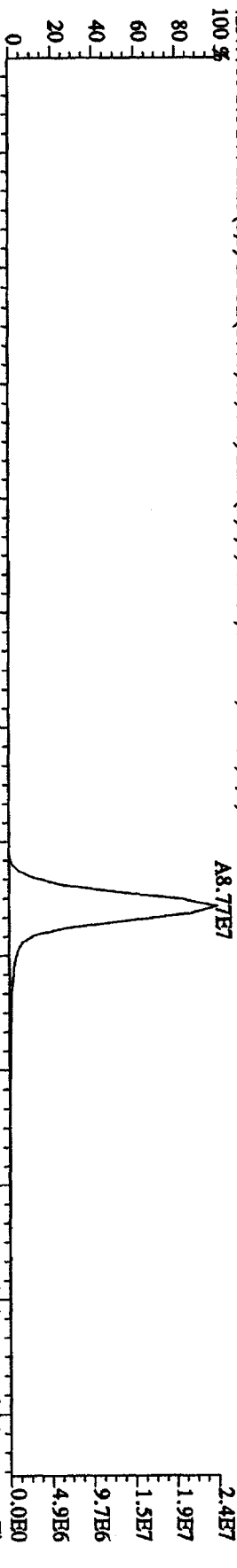
417.8253 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11132,0,1.00%,F,T)
 100%



419.8220 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,23976,0,1.00%,F,T)
 100%

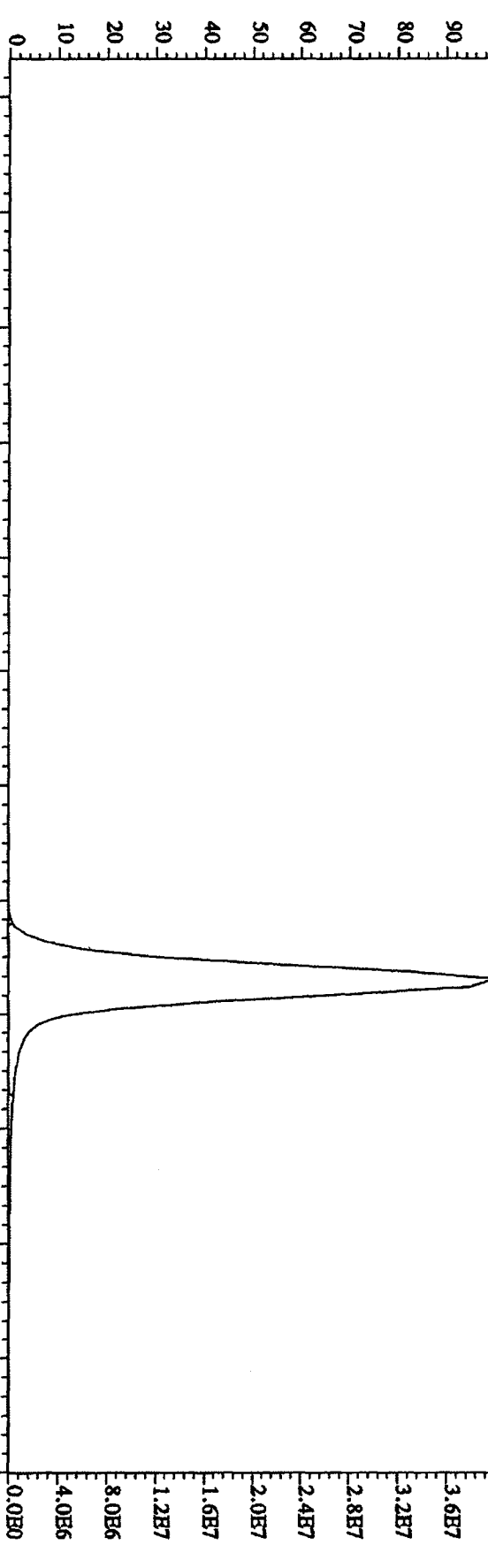


File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXM426 Exp:DIOXINRHS8290A
 423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10928,0,1.00%,F,T)

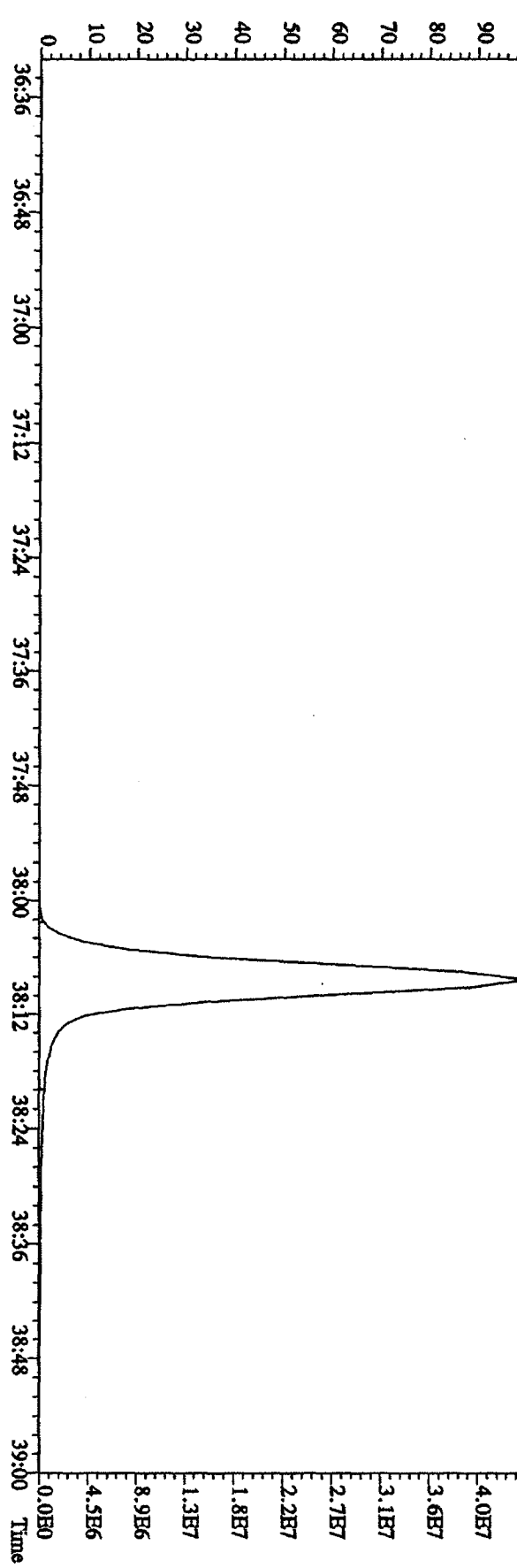


File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-UltimaB
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1272.0,1.00%,F,T)

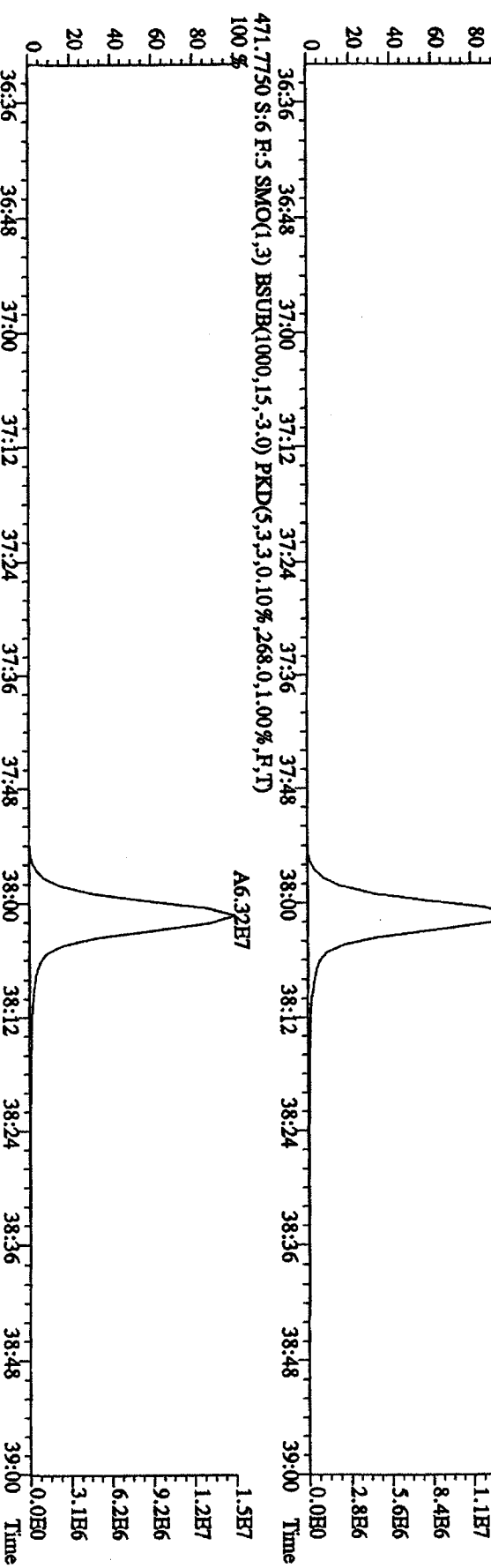
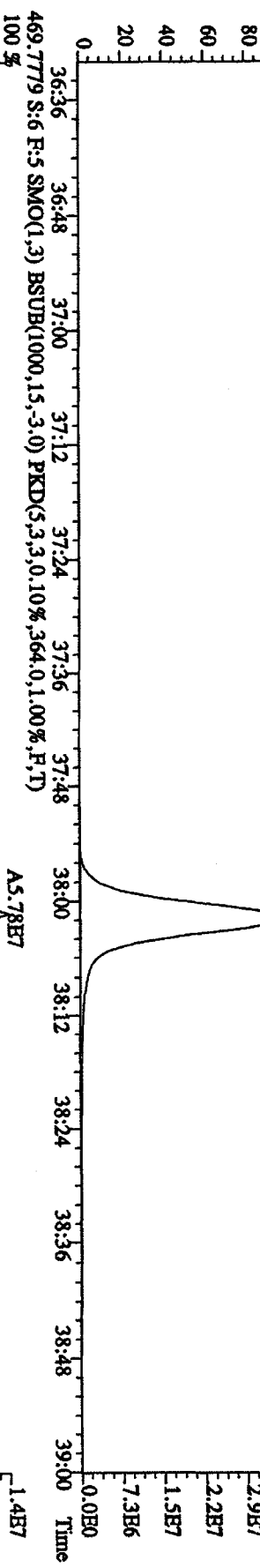
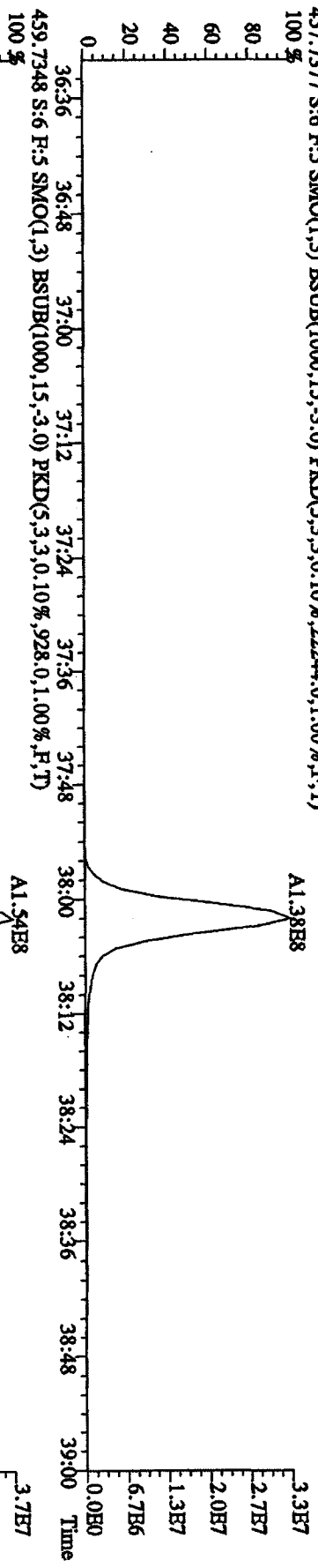
100 %



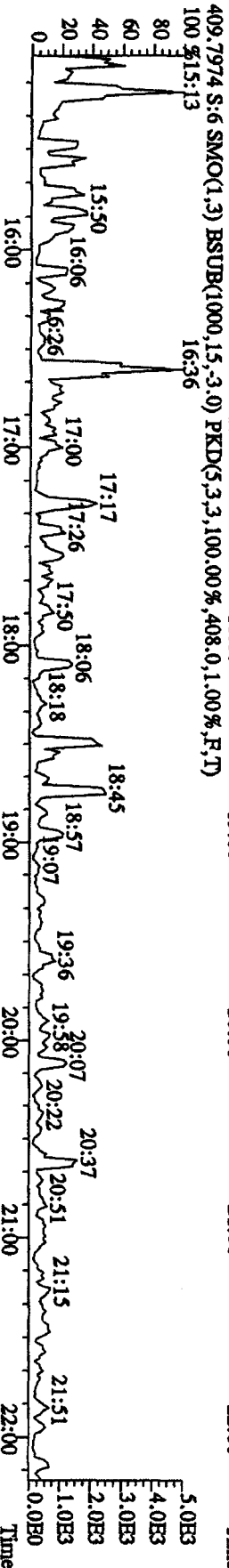
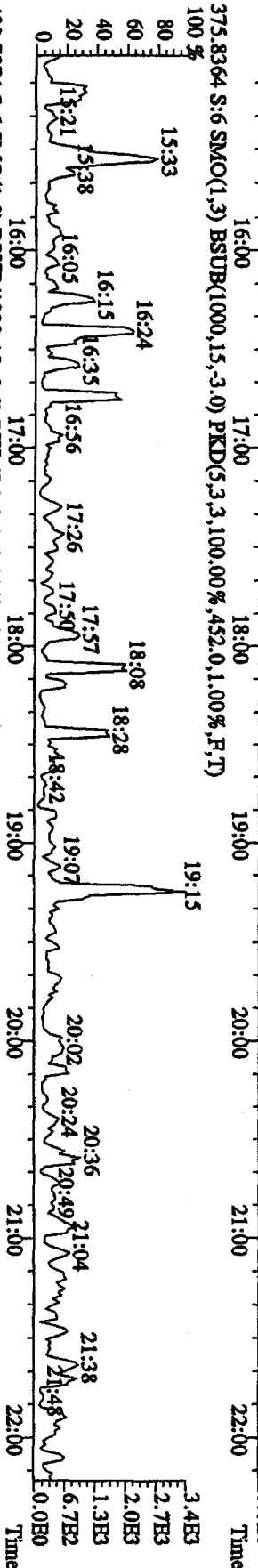
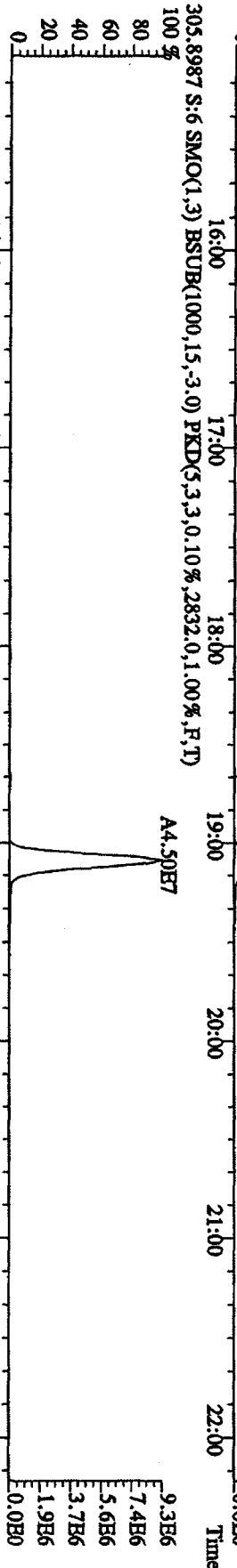
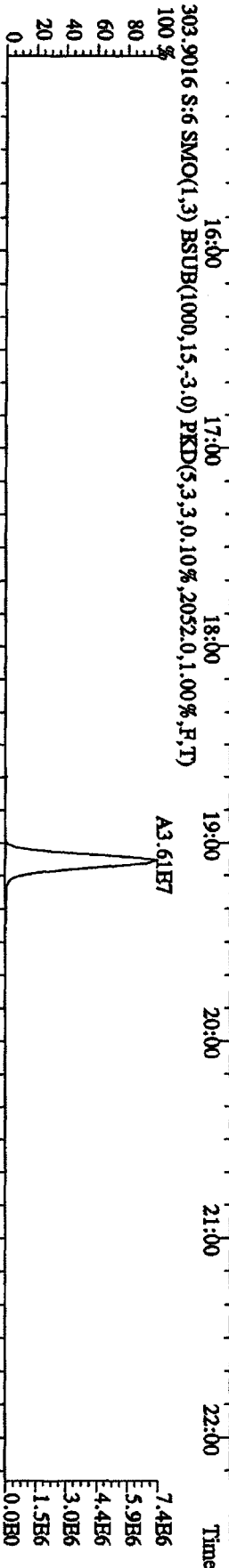
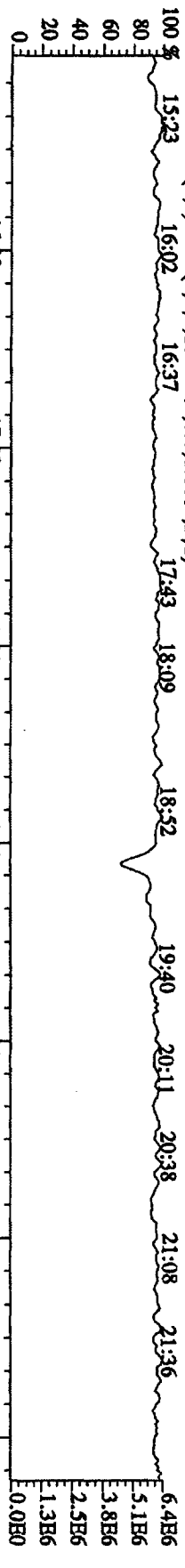
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1588.0,1.00%,F,T)



File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC:EI+ Voltage:50V 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(5,3,3,0.10%,.22244,0.1,1.00%,F,T)

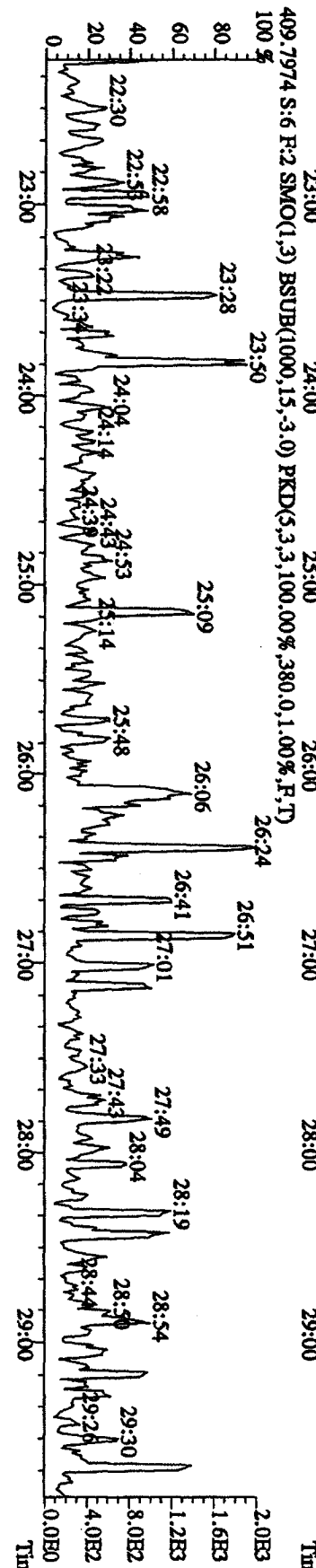
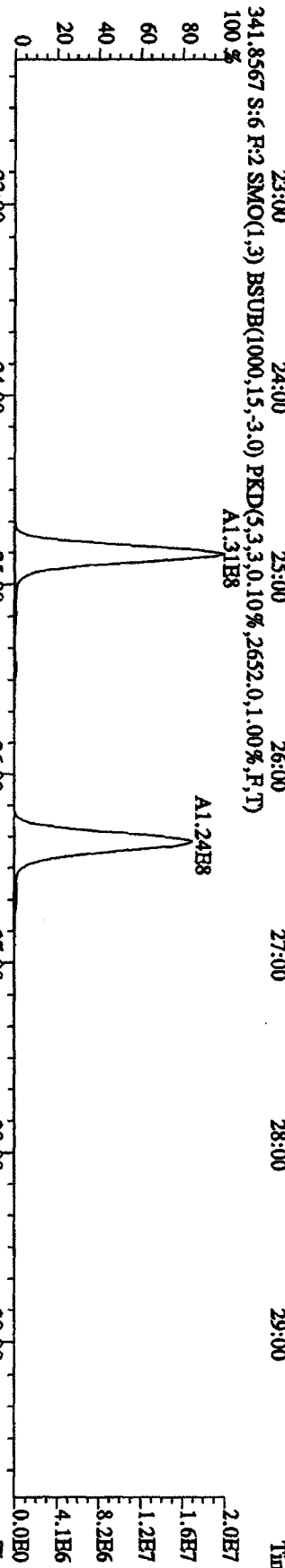
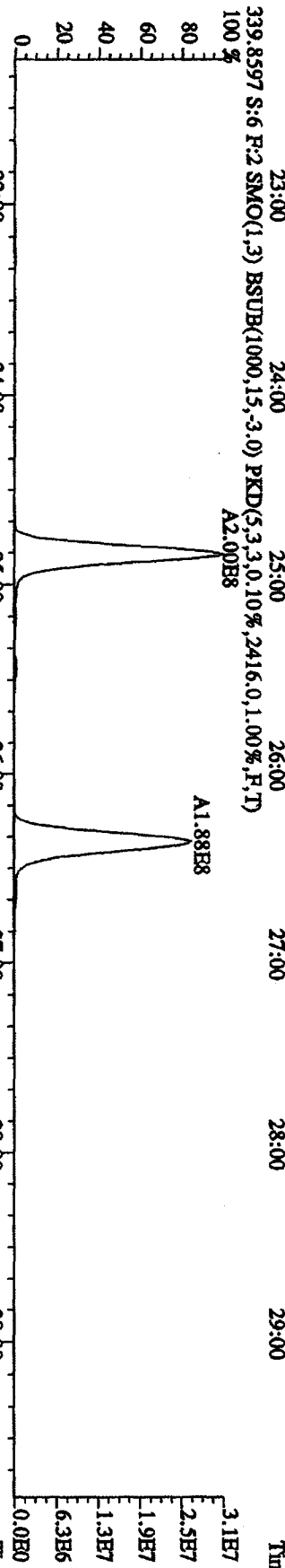
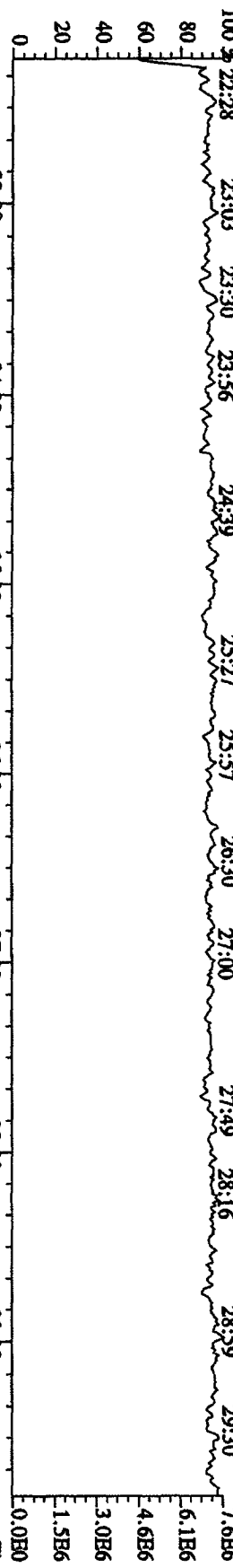


File: 12AD104D5 #1-435 Acq: 12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Tex: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A



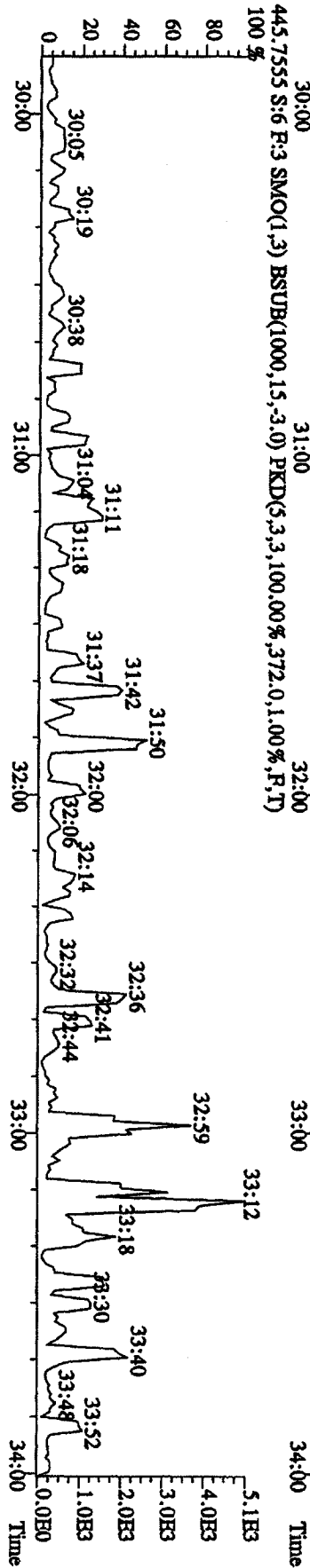
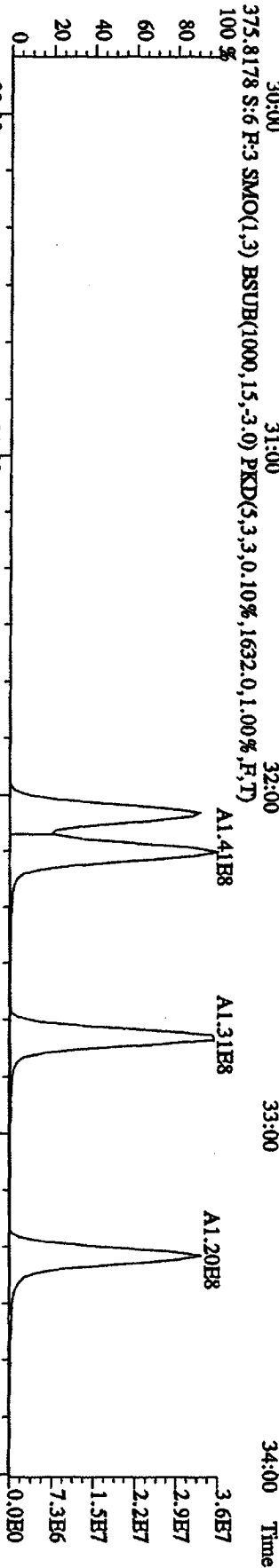
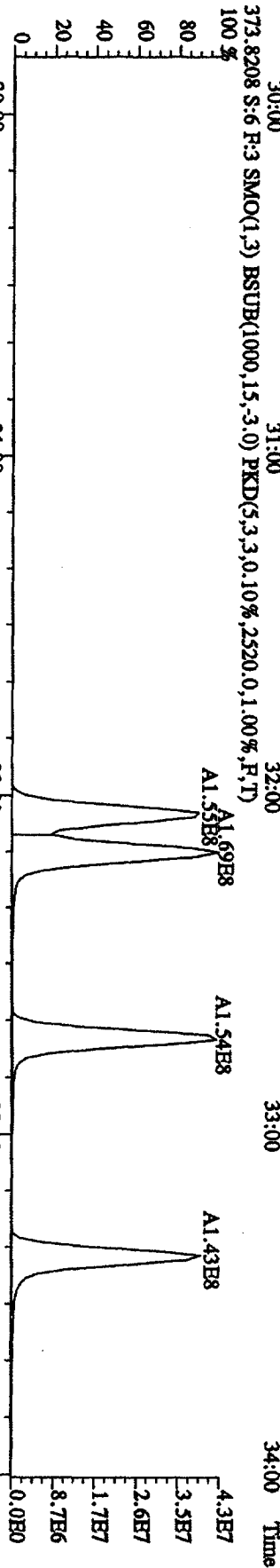
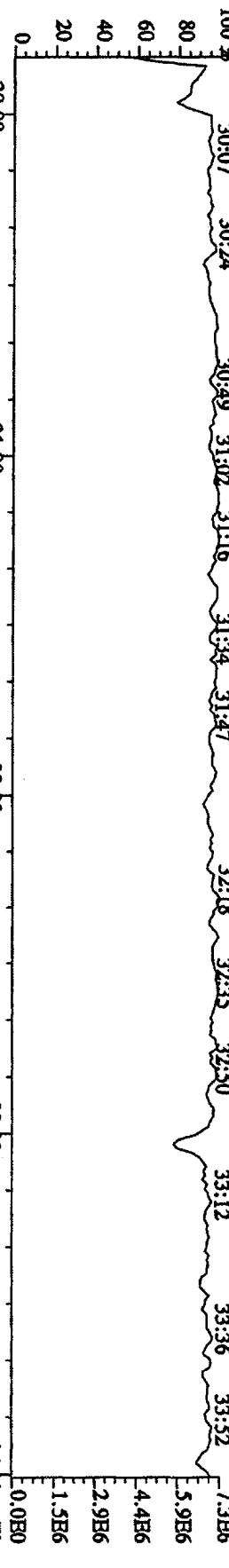
File: 12AP104D5 #1-604 Acq: 12-APR-2010 12:16:51 GC HI + Voltage SIR Autospec-UltraB

Sample# 6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A



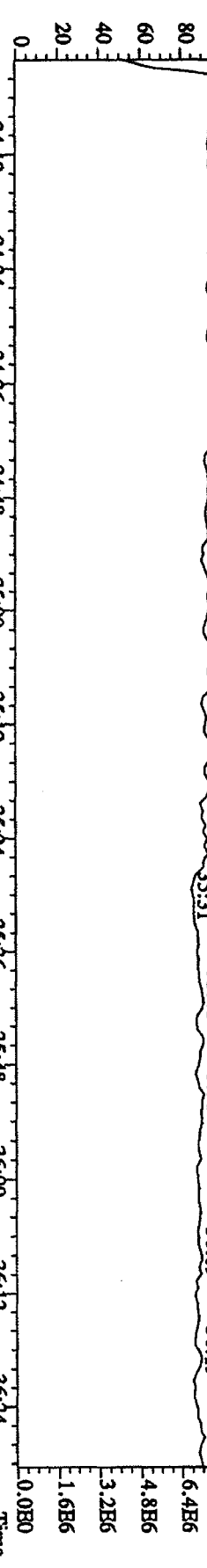
File: 12AP104D5 #1-317 Acq: 12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-UltimaB

Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRESS290A

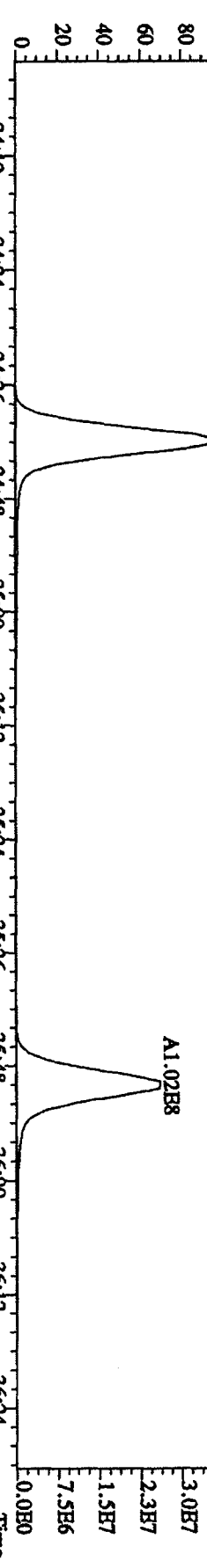


File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
Sample#6 Text:ST0412D :CS-4 09DXM426 Exp:DIOXINRHS8290A

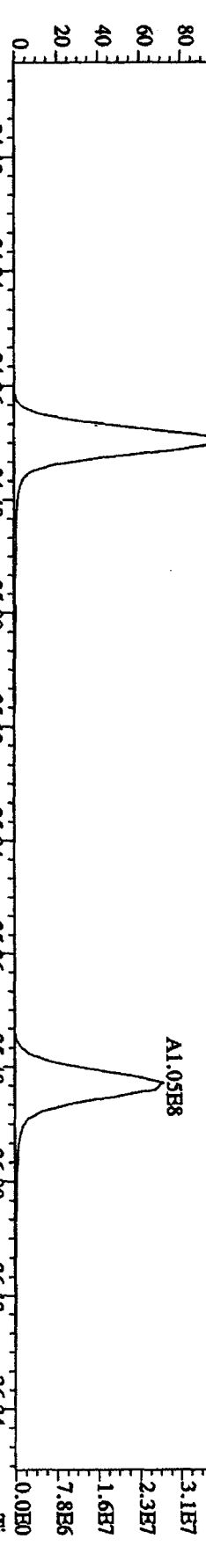
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100% 34:07 34:17 34:28 34:37 34:47 34:57 35:05 35:15



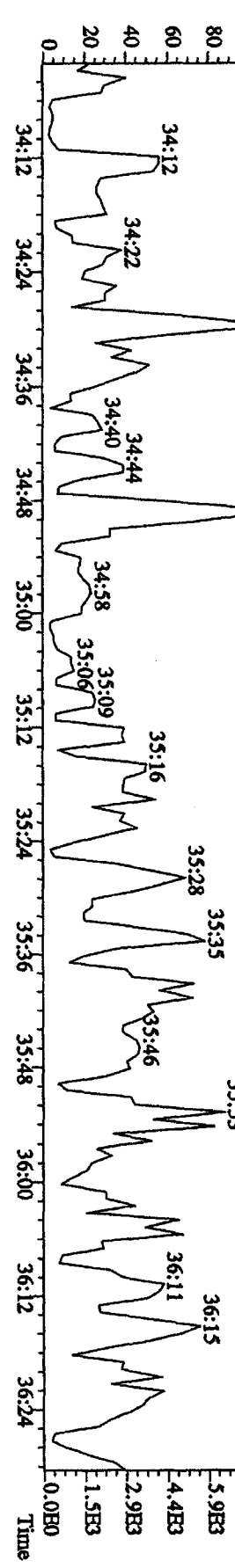
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27648.0,1.00%,F,T)
100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24088.0,1.00%,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



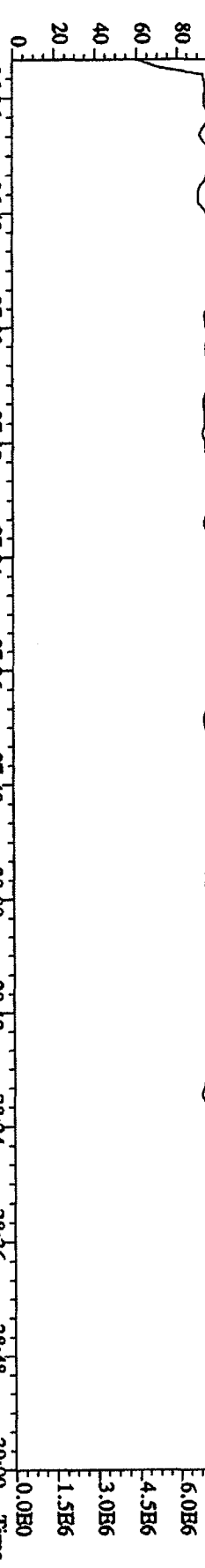
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4092.0,1.00%,F,T)
100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



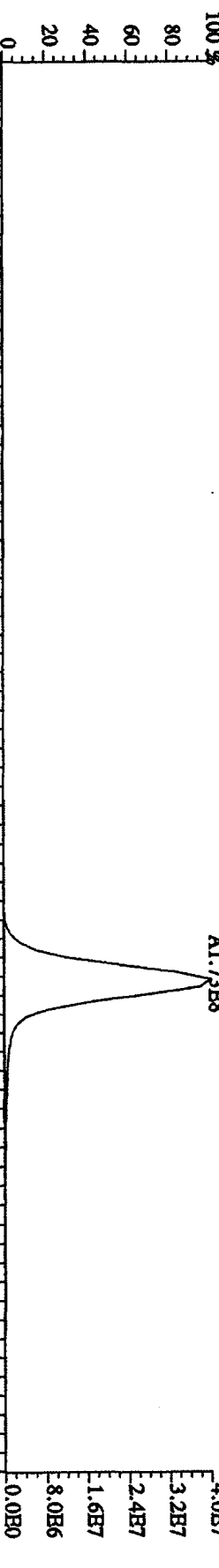
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB

Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



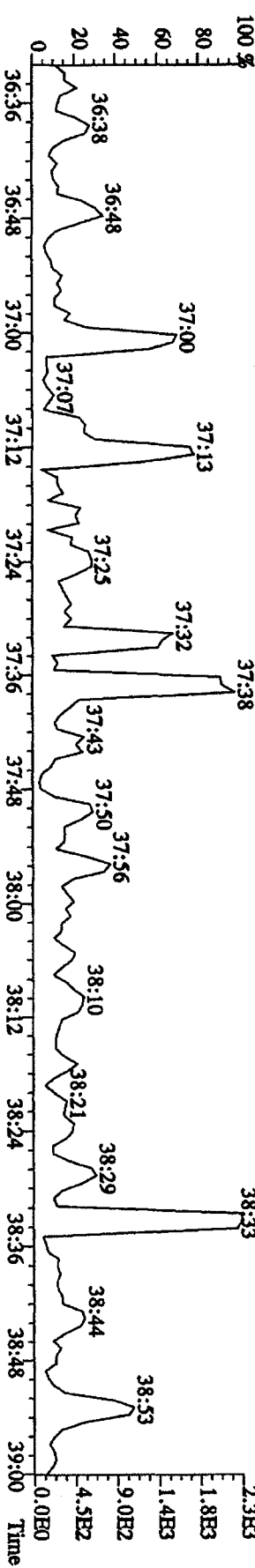
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)



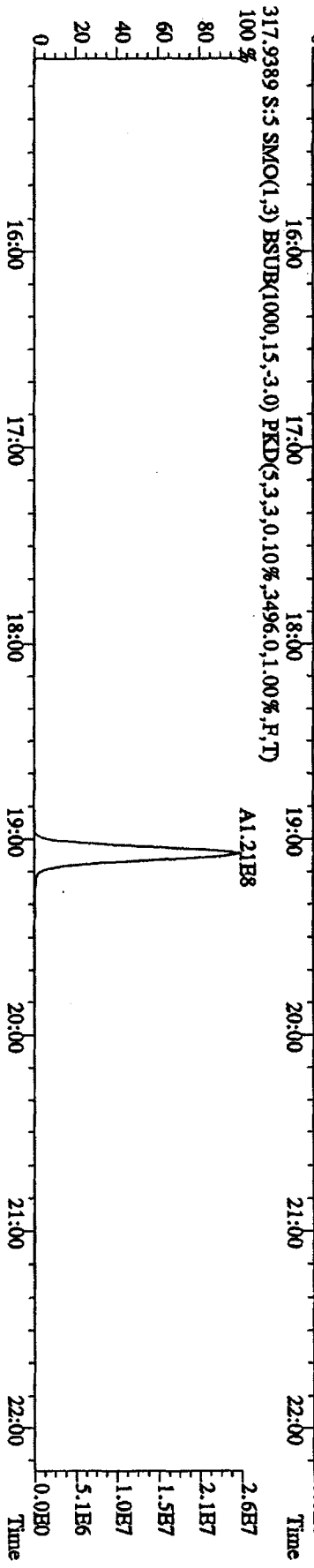
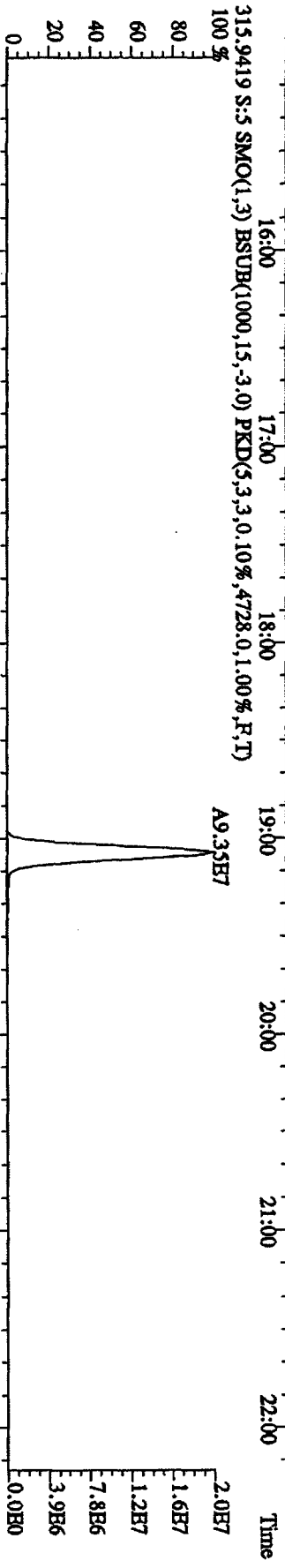
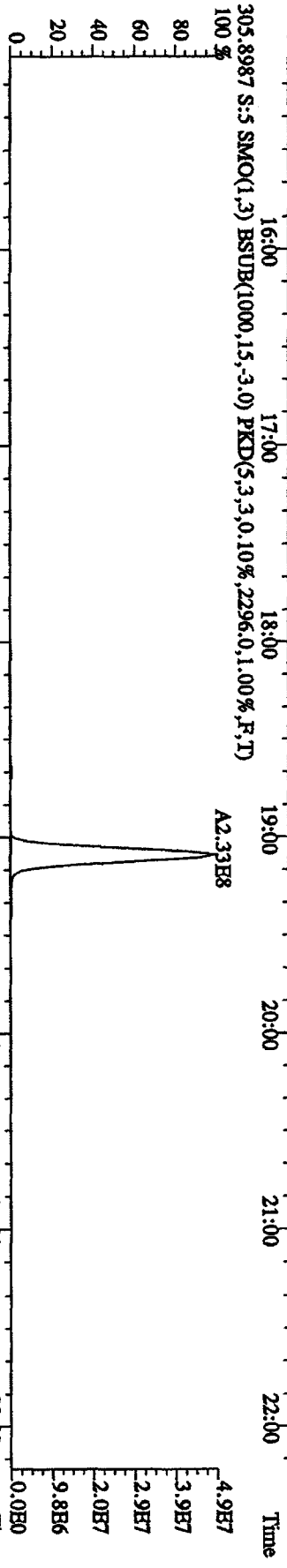
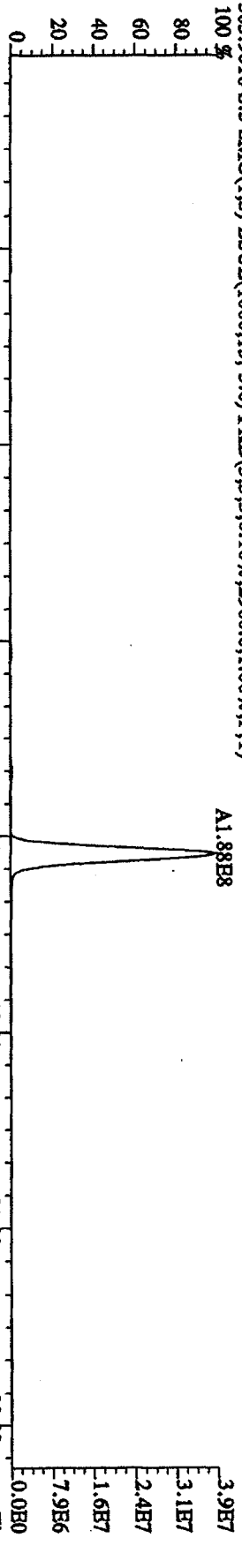
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T)



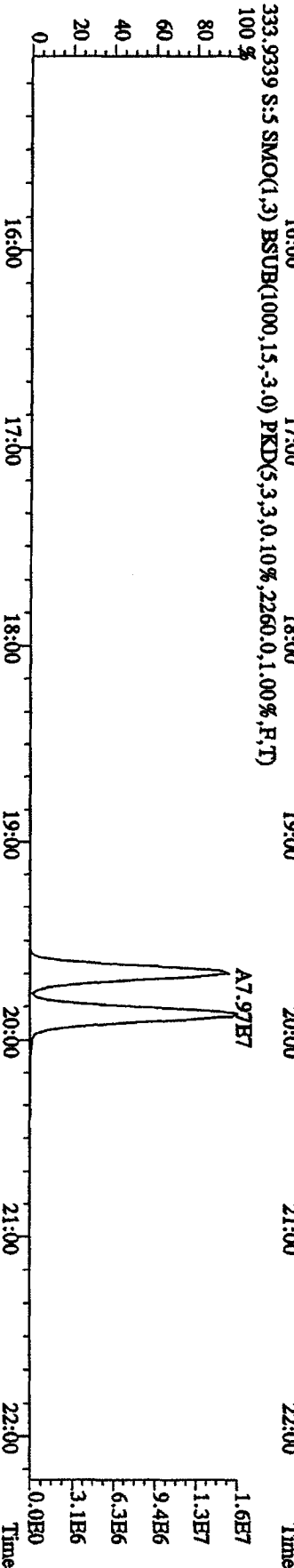
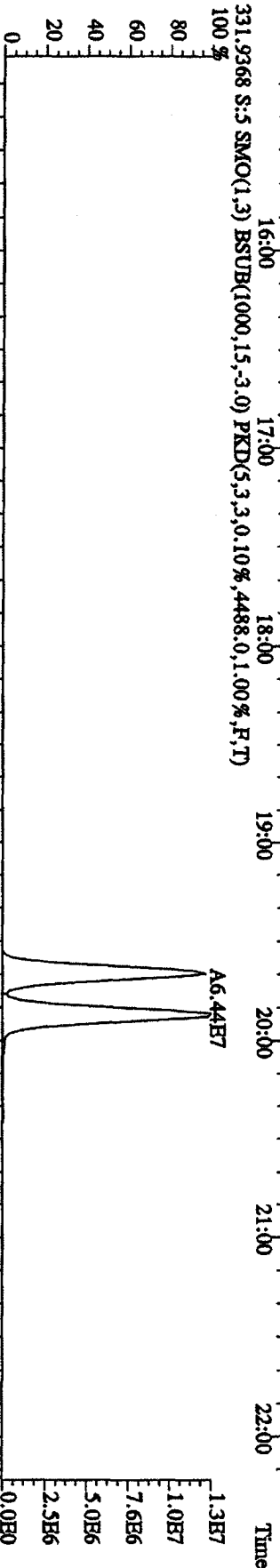
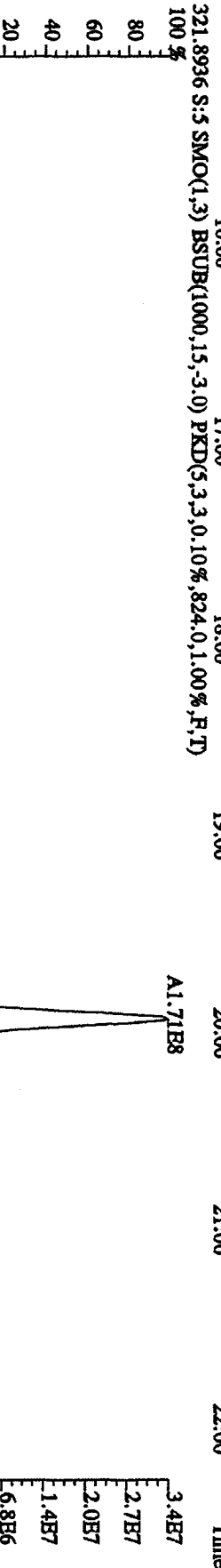
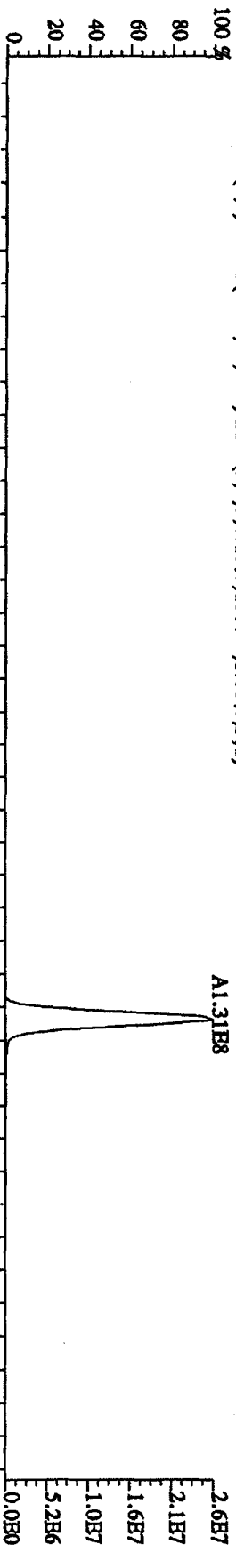
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100.00%,360.0,1.00%,F,T)



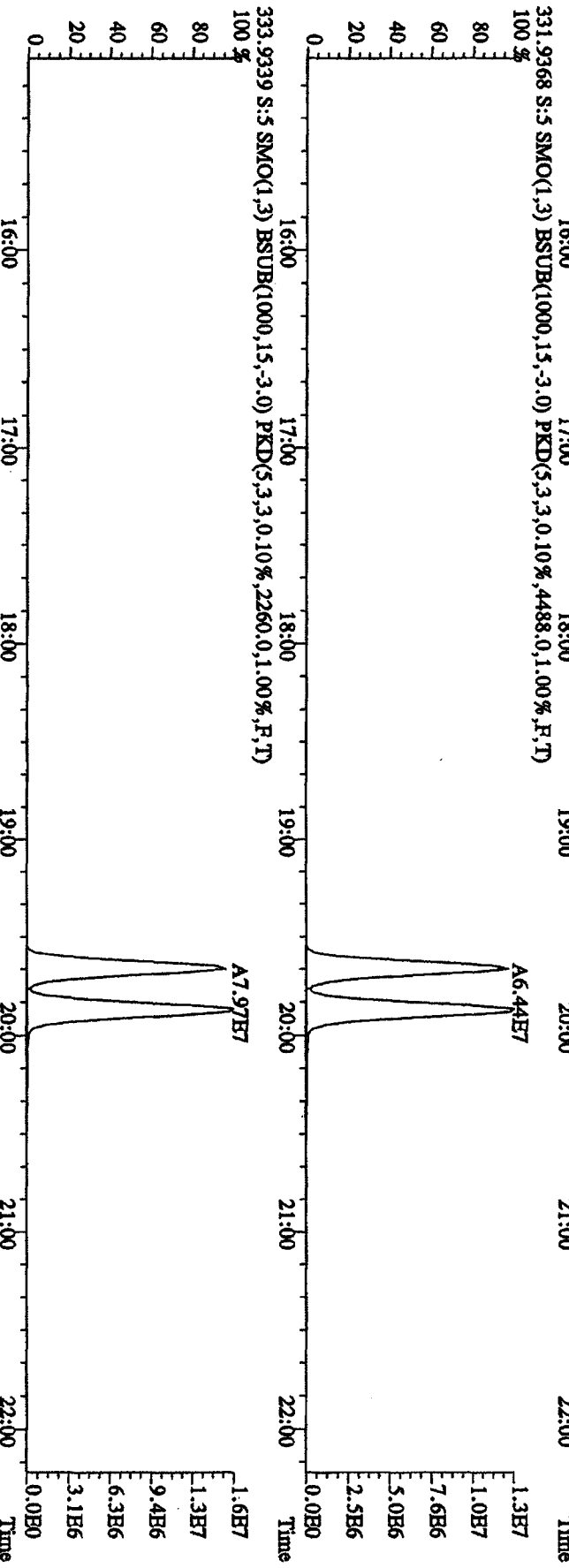
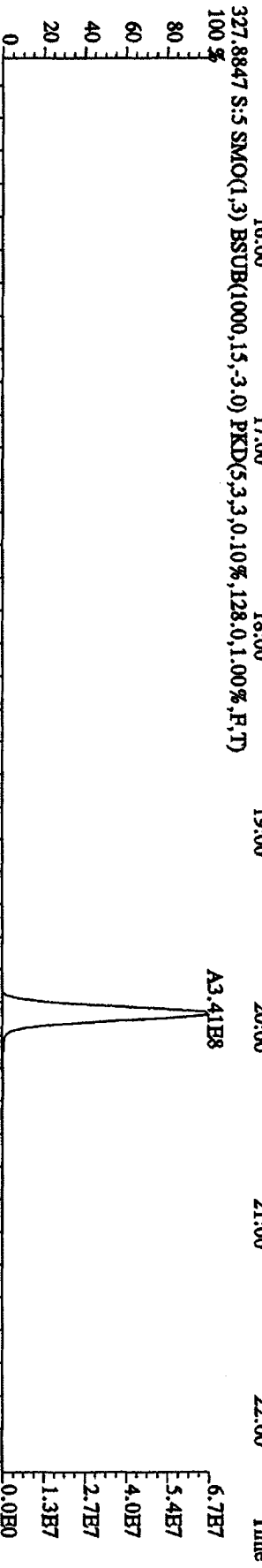
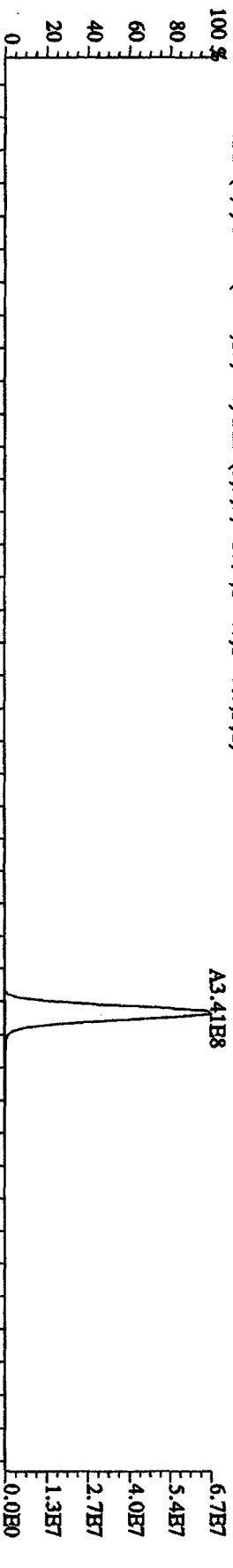
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2296,0,1,00%,F,T)



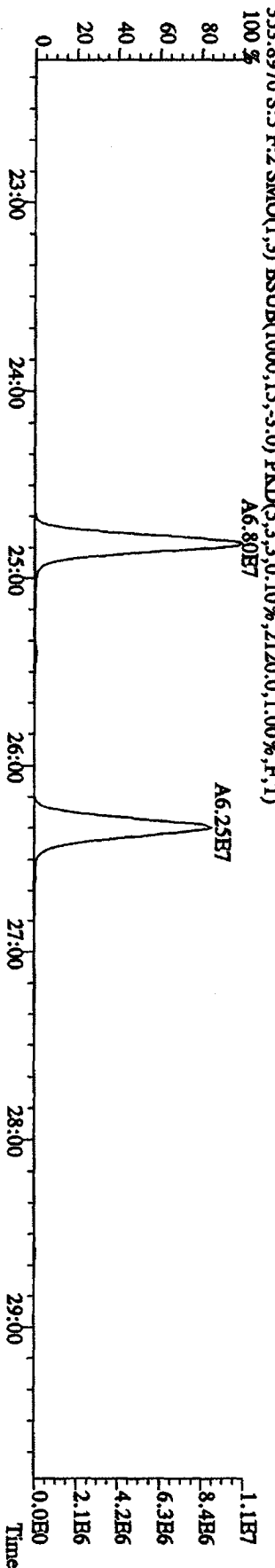
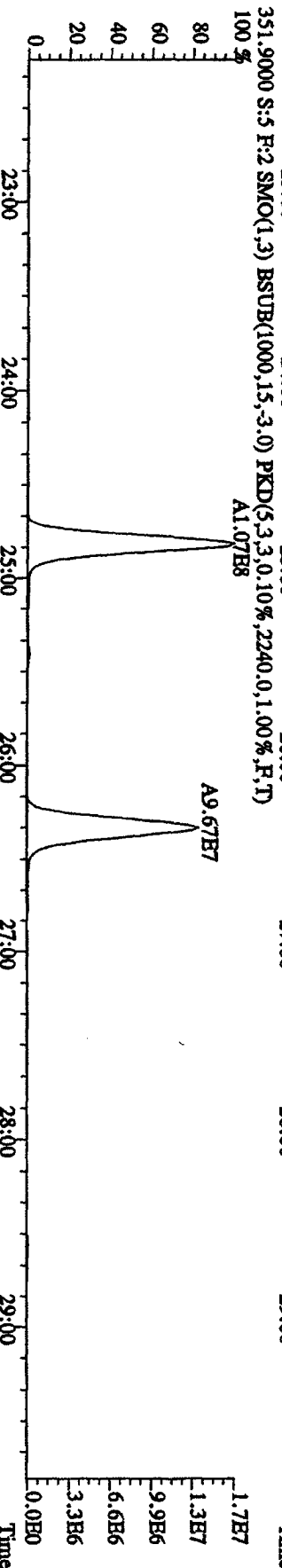
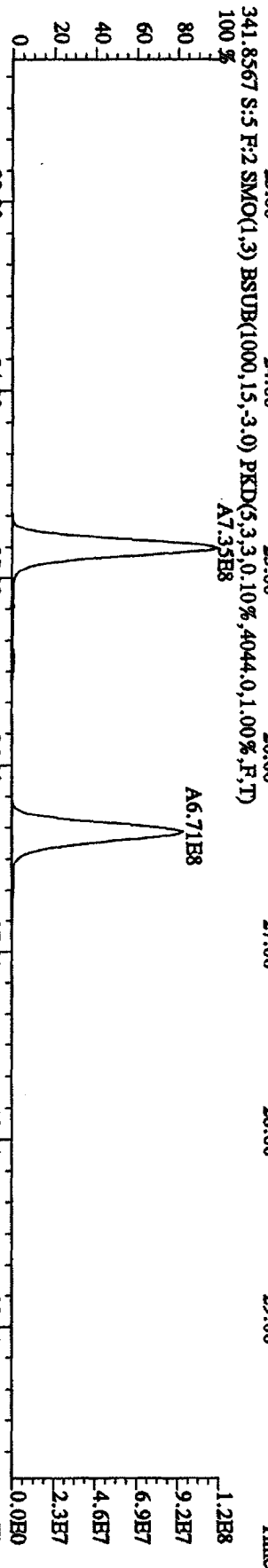
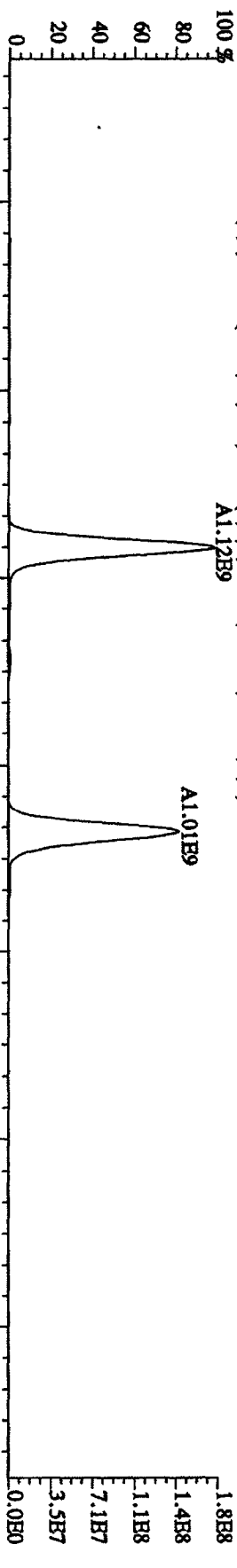
File: 12AP104D5 #1-435 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: ST0412C :CS-5 09DXN456 Exp: DIOXINRES8290A
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1000,0,1,00%,F,T)



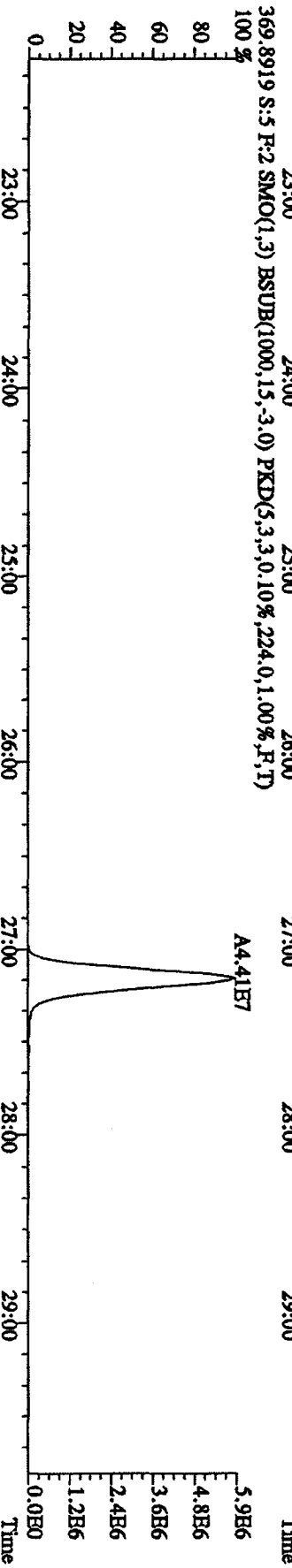
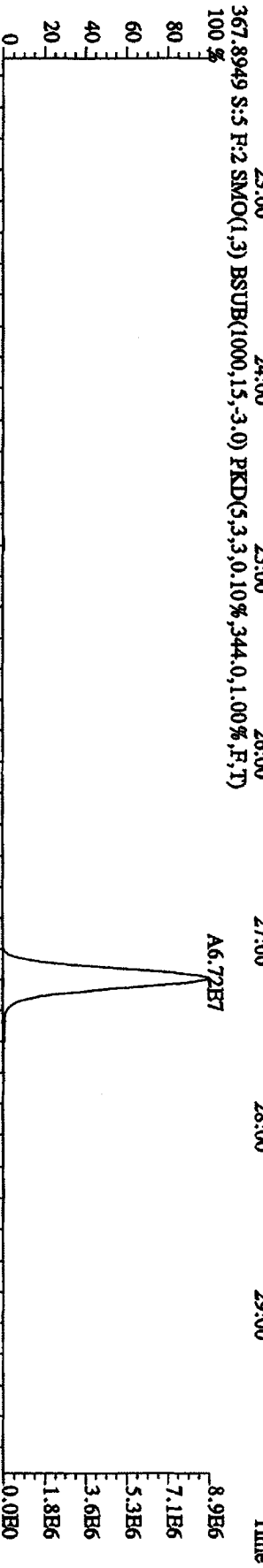
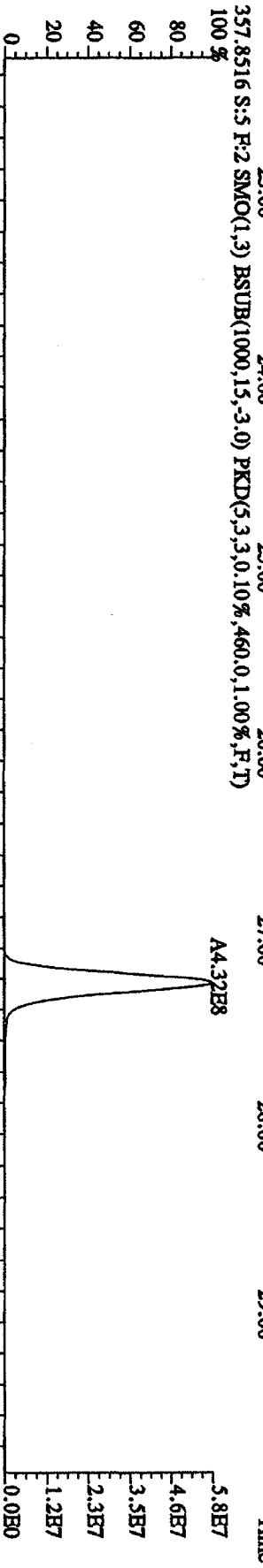
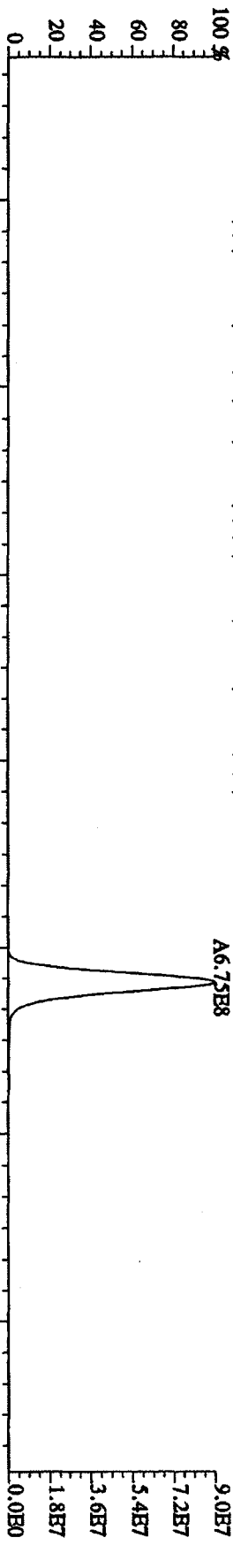
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Tex:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,128,0,1,00%,F,T)
 100%



File:12A2P104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRBS8290A
 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%



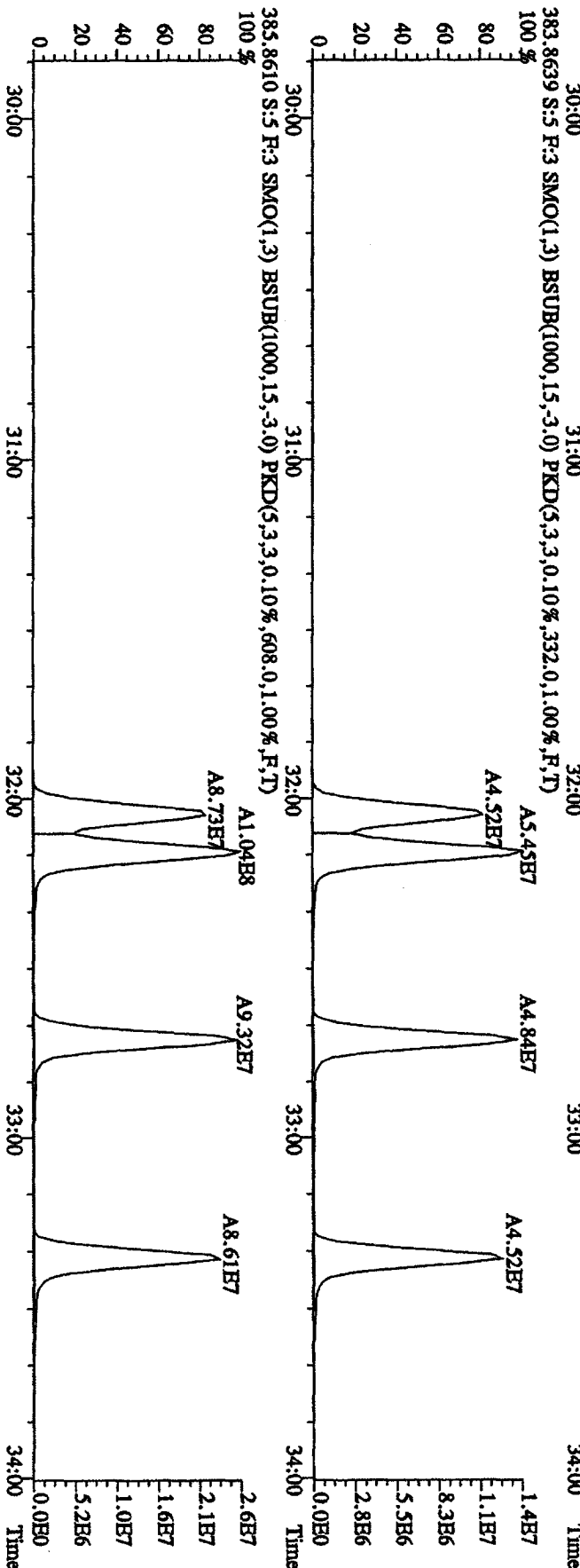
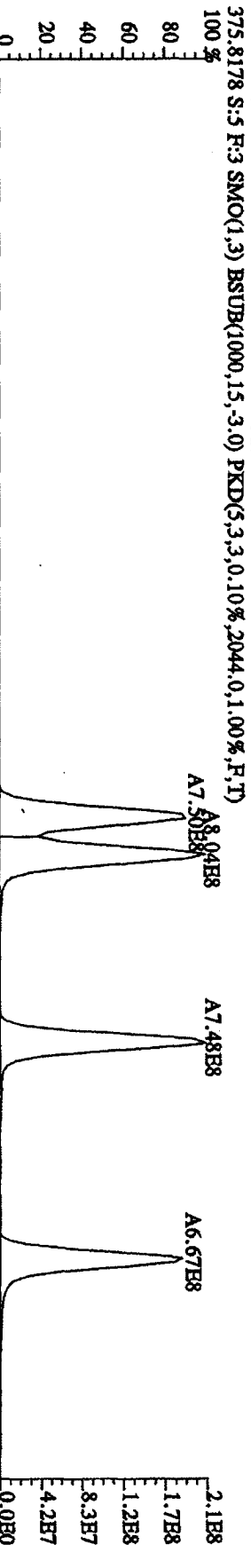
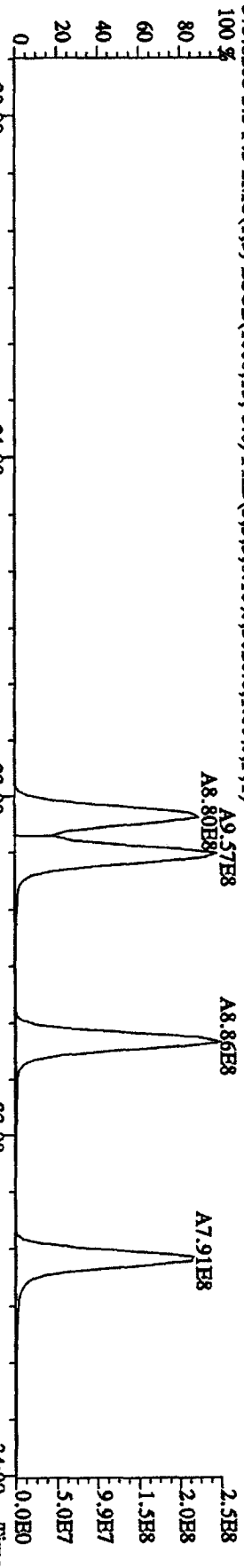
File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DI0XINRBS8290A
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T) 100%



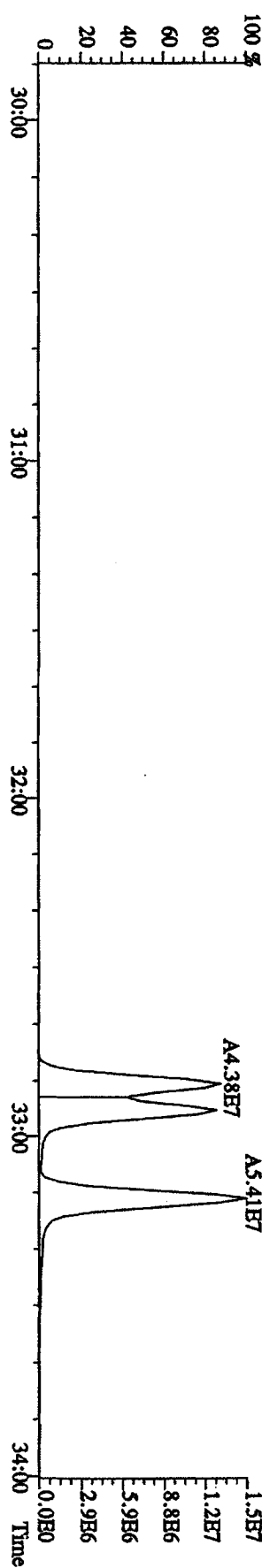
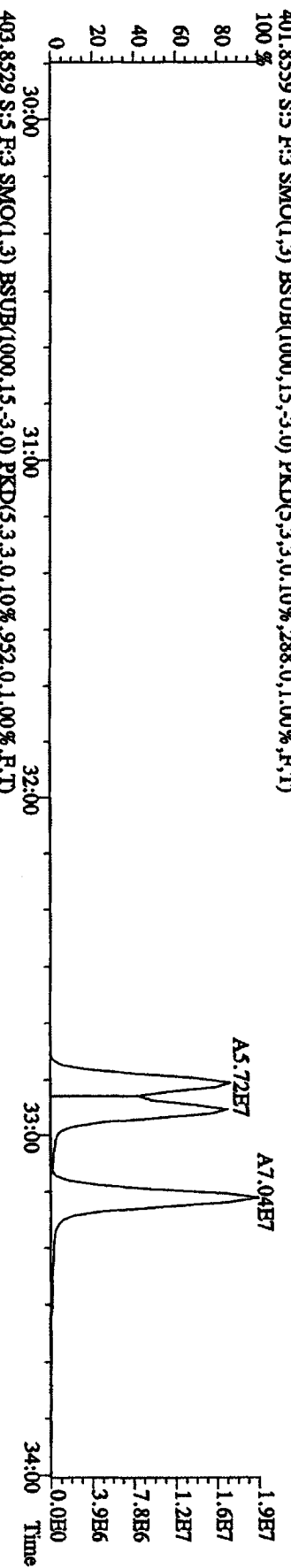
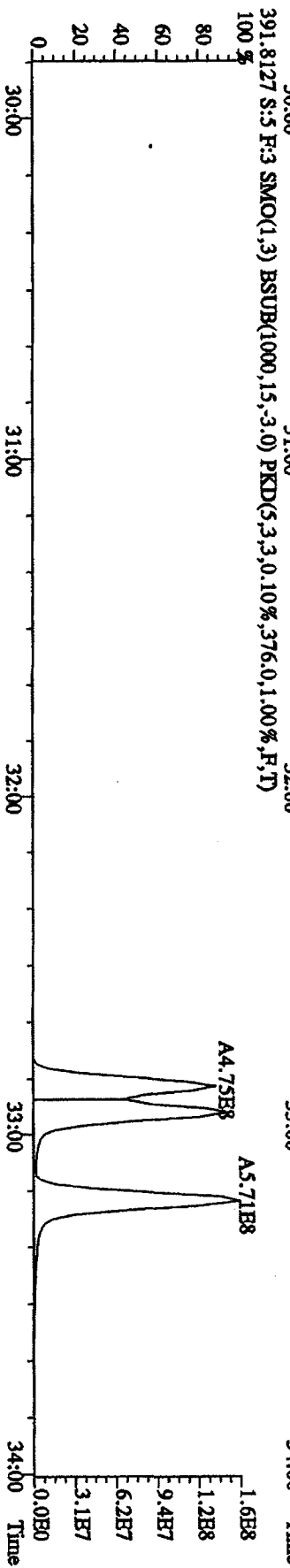
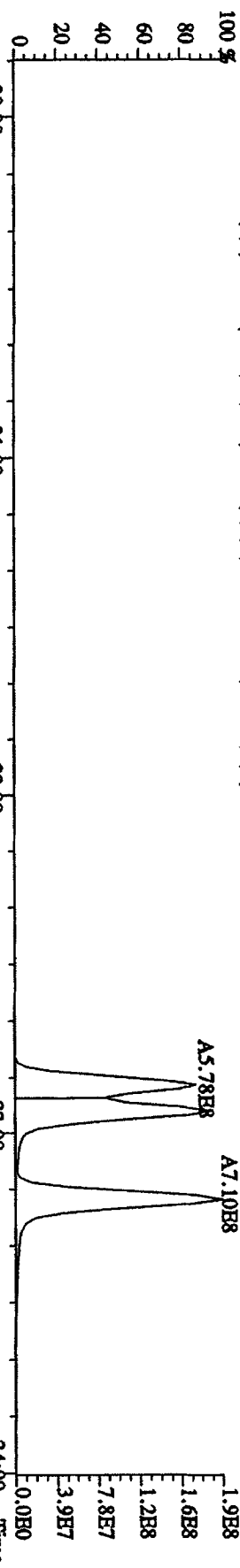
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB

Sample#5 Text:STD412C :CS-5 09DXN456 Exp:DIOXINRES9290A

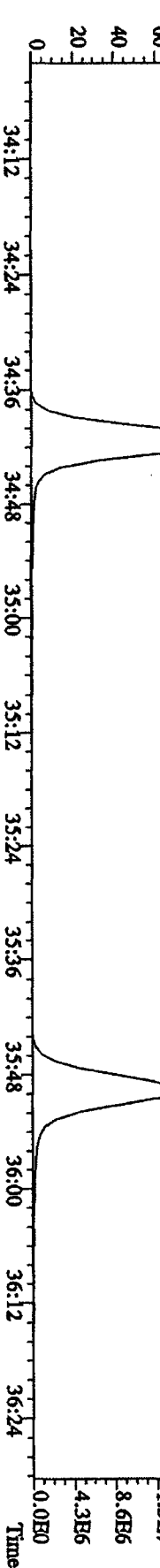
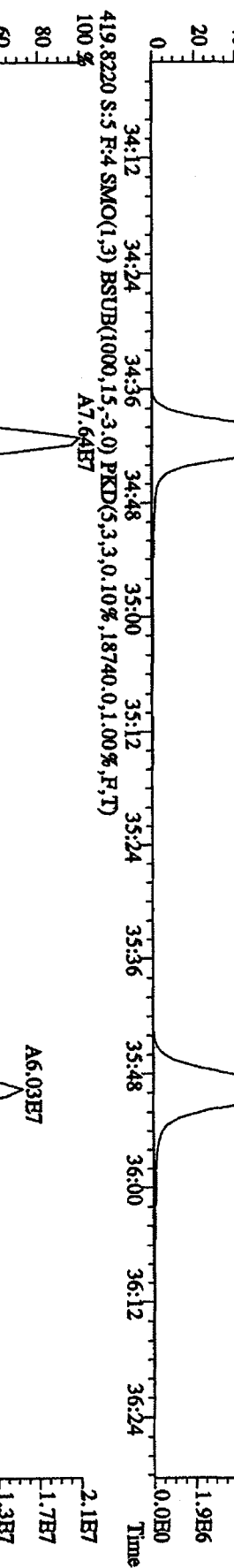
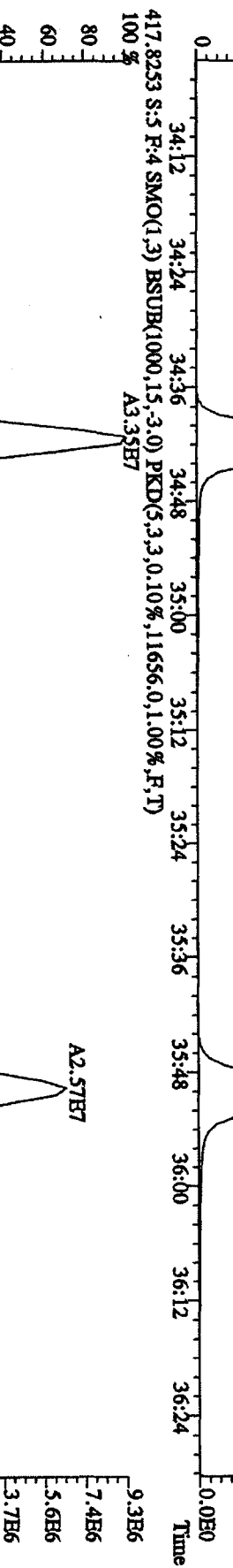
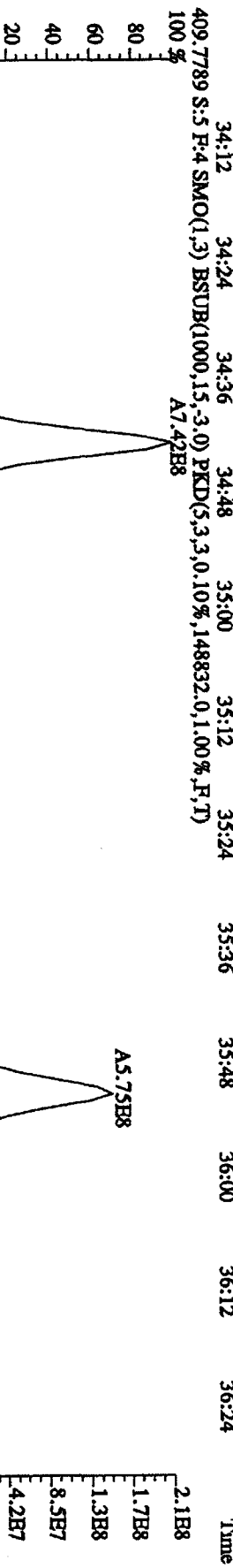
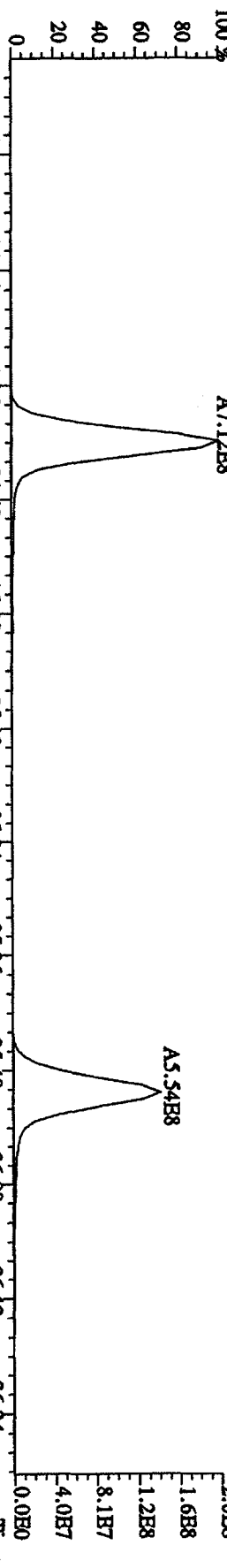
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3020,0,1,00%,F,T)



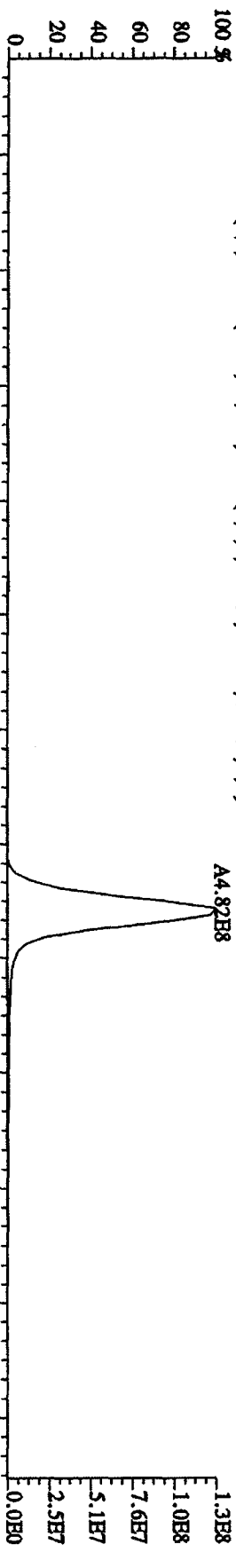
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Bsp:DIOXINRBS8290A
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,208.0,1.00%,F,T) 100%



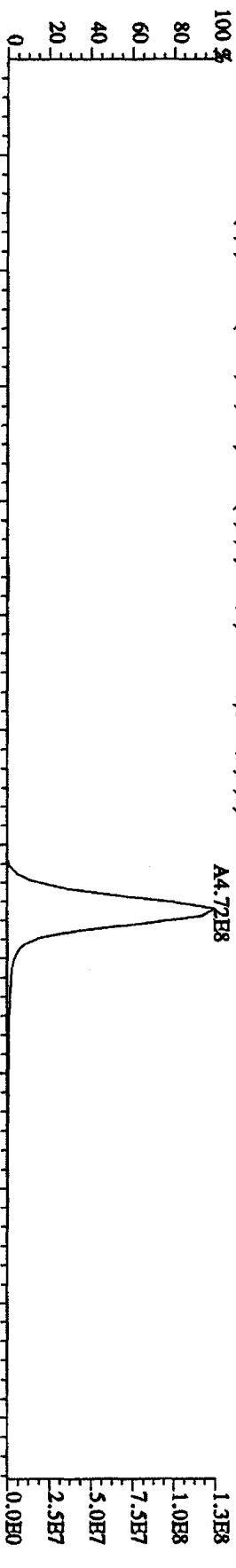
File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,81496,0,1,00%,F,T)
 100%



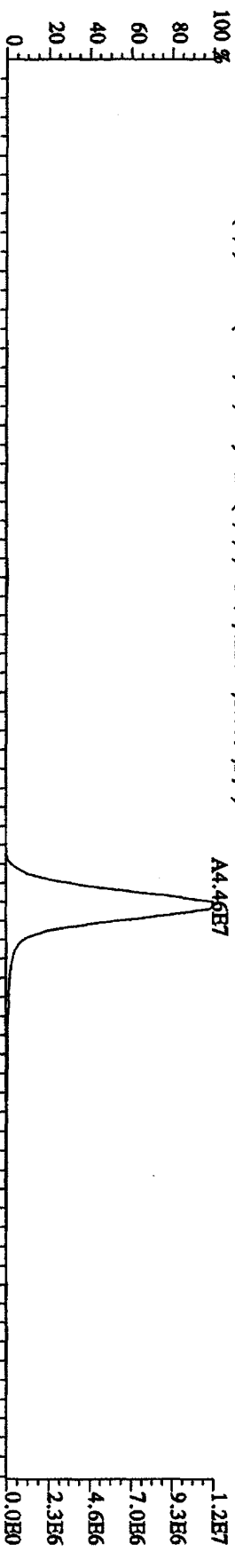
File:12ADP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 423.7766 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4800,0,1.00%,F,T)
 100 %



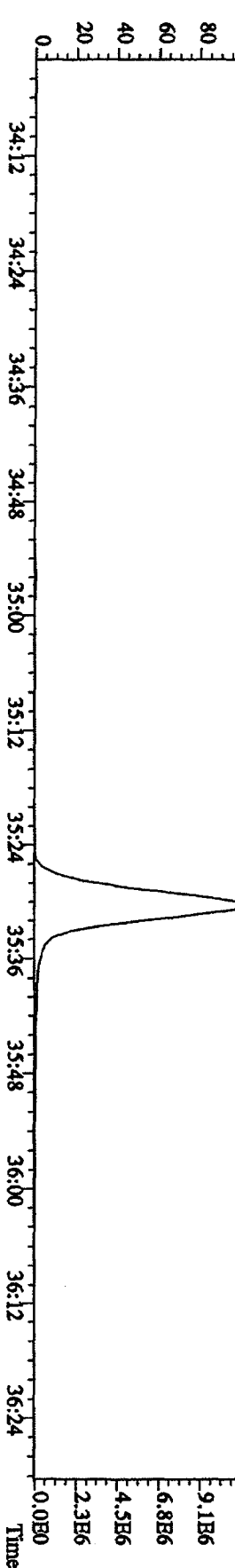
425.7737 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,51712,0,1.00%,F,T)
 100 %



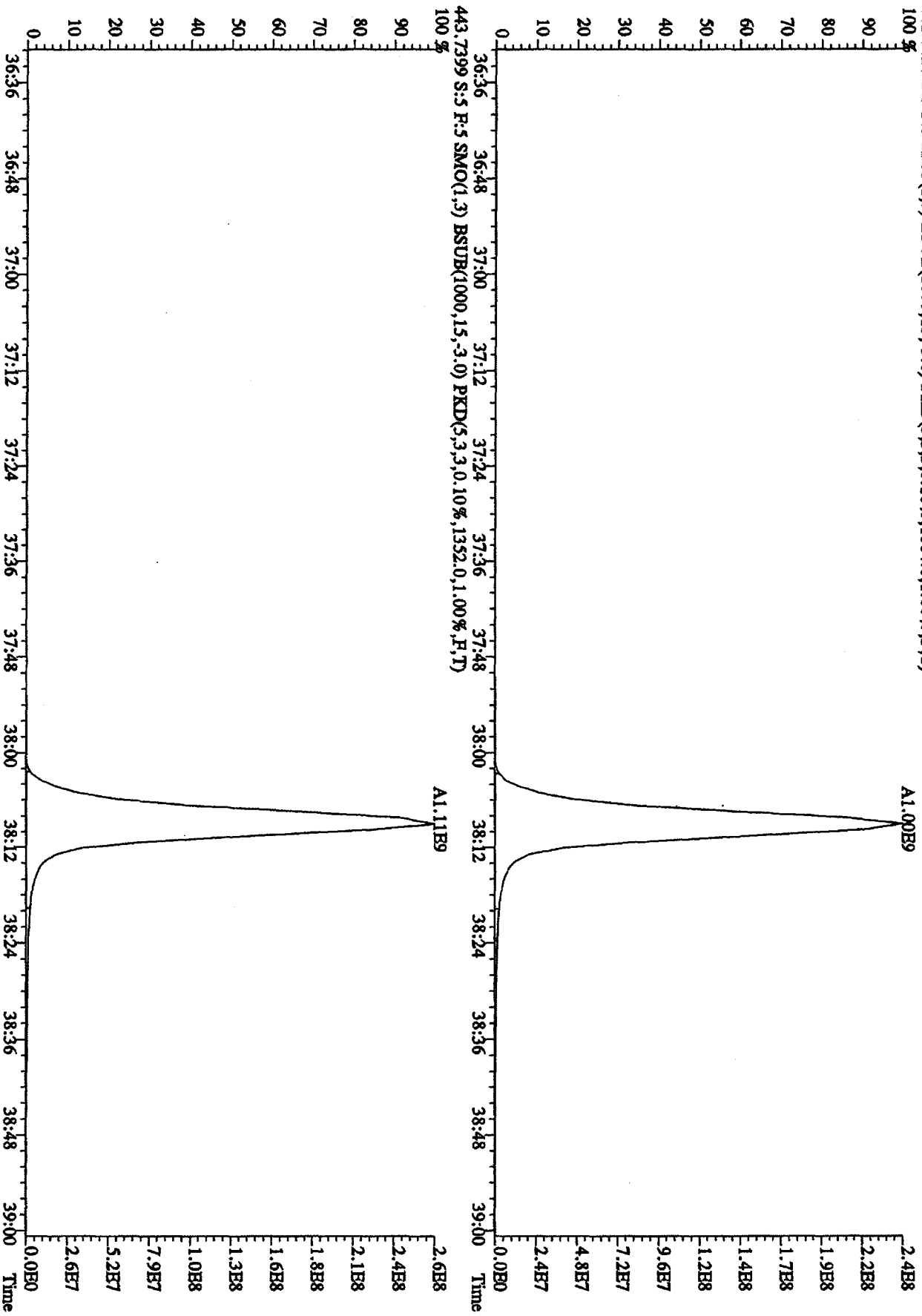
435.8169 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2220,0,1.00%,F,T)
 100 %



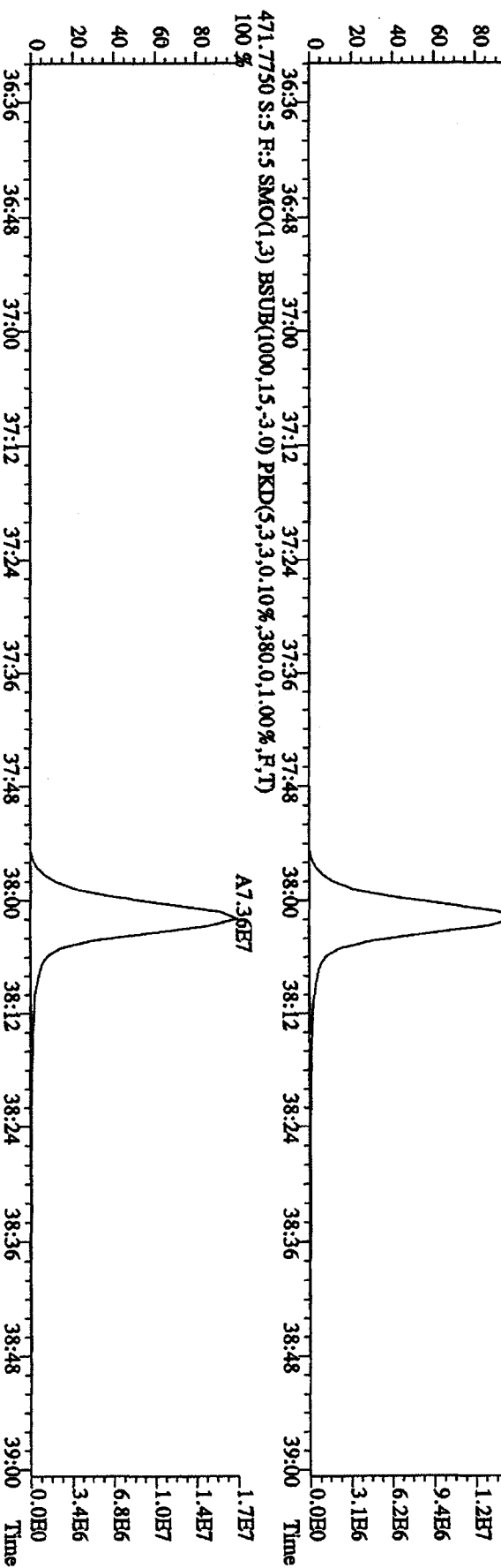
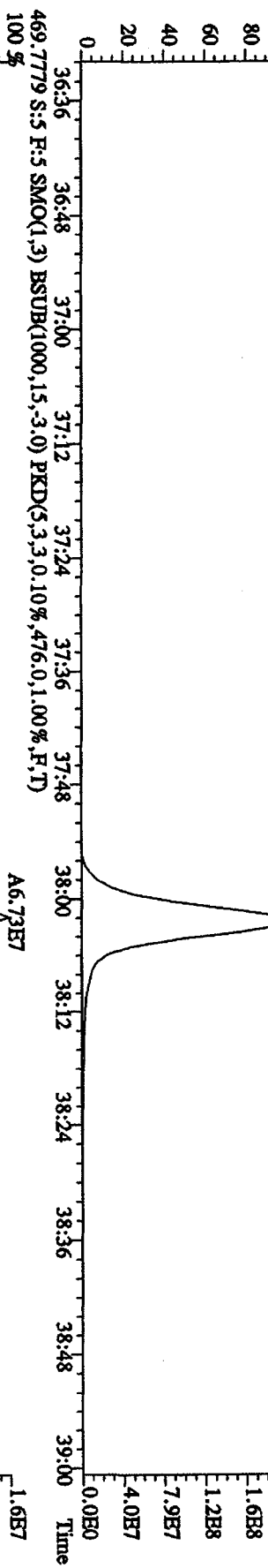
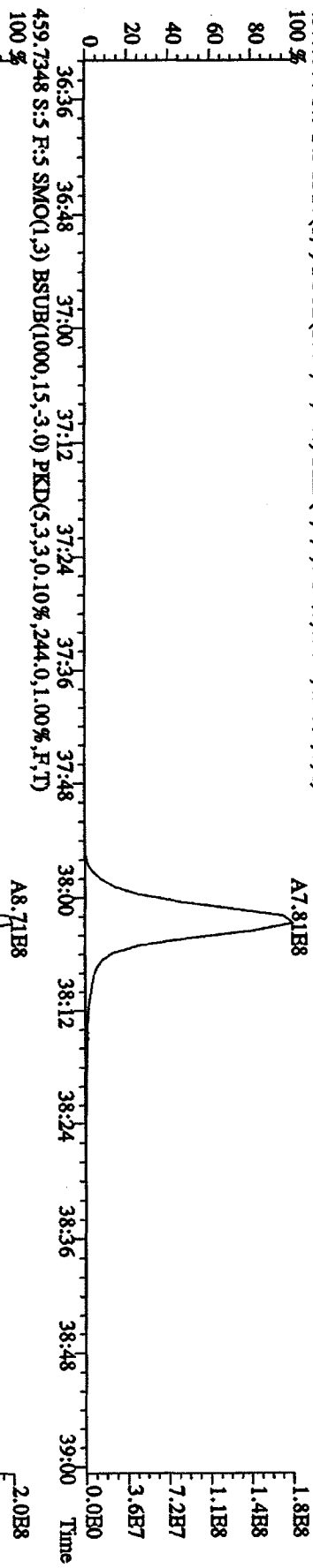
437.8140 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4768,0,1.00%,F,T)
 100 %



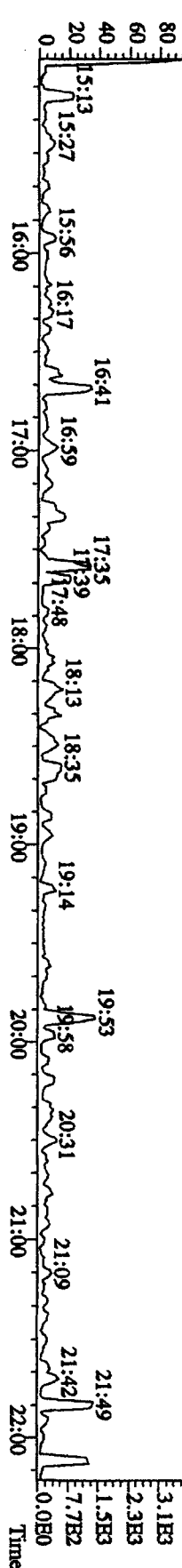
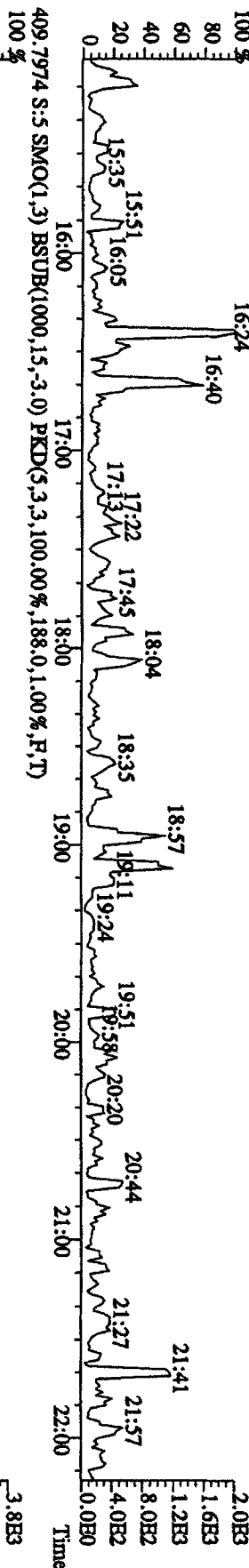
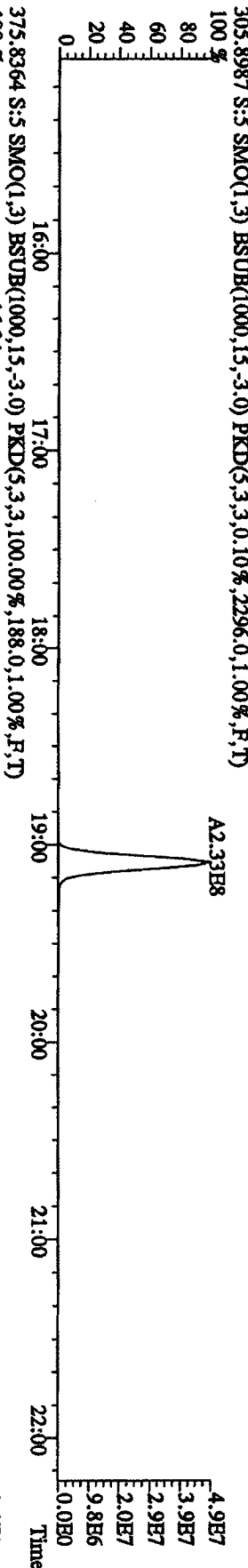
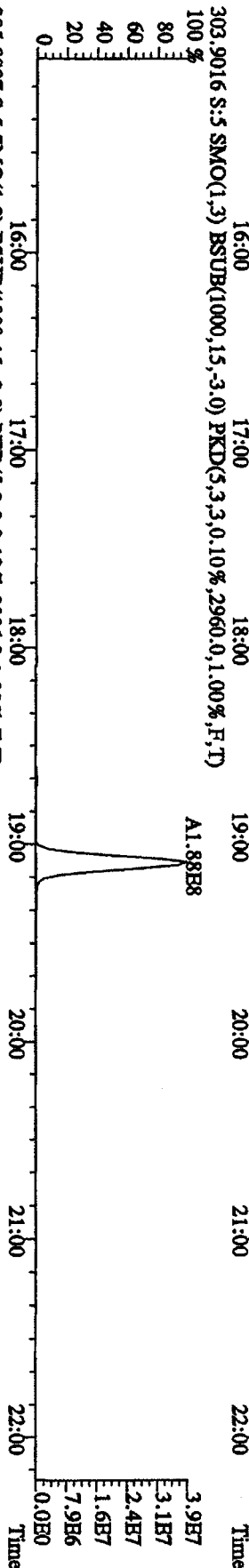
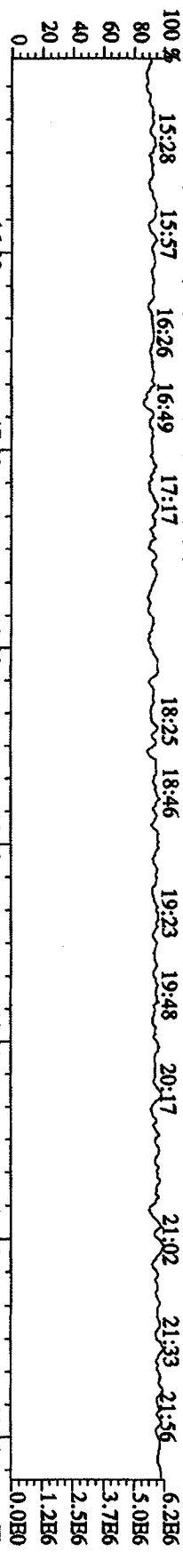
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC HI+ Voltage SIR Autospec-UHtmab
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1064,0,1,00%,F,T)
 100%



File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DXM456 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-UltimaE
 Sample#5 Text: ST0412C :CS-5 09DXN456 Exp: DIOXINRES8290A

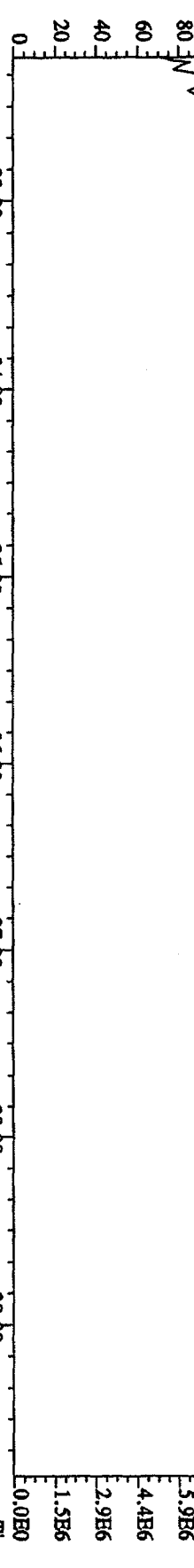


File: 12AP104D5 #1-604 Acq: 12-APR-2010 11:32:49 GC HI + Voltage SIR Autospec-Ultimah

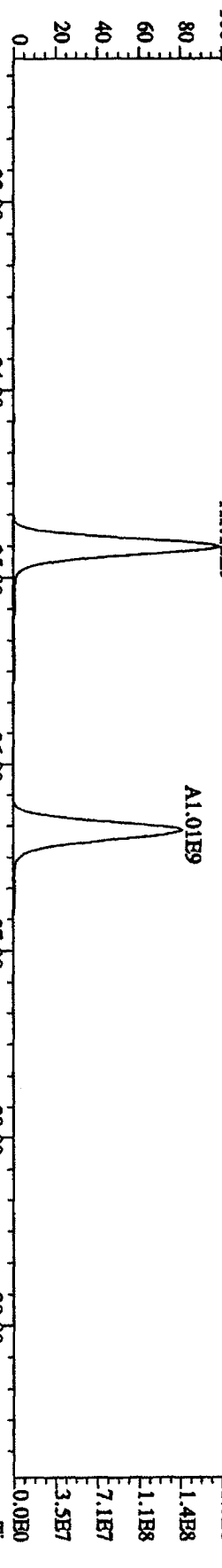
Sample# 5 Text: ST0412C : CS-5 09DXN456 Exp: DIOXINRES8290A

354.9792 S: 5 F: 2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

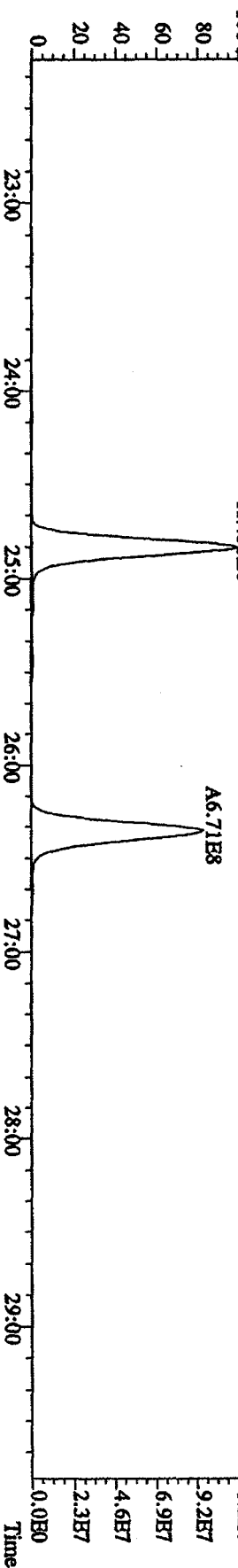
22:52 23:30 23:54 24:28 24:57 25:22 25:45 26:12 26:38 27:19 27:43 28:16 28:59 29:25



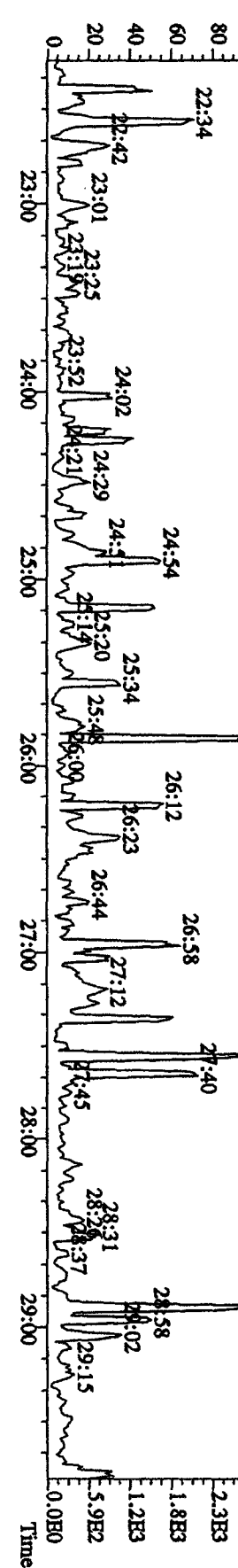
339.8597 S: 5 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8368,0.1,0.00%,F,T)



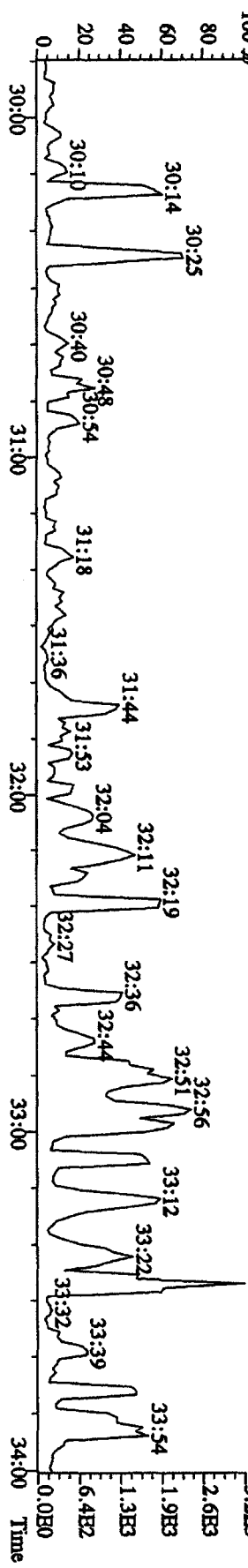
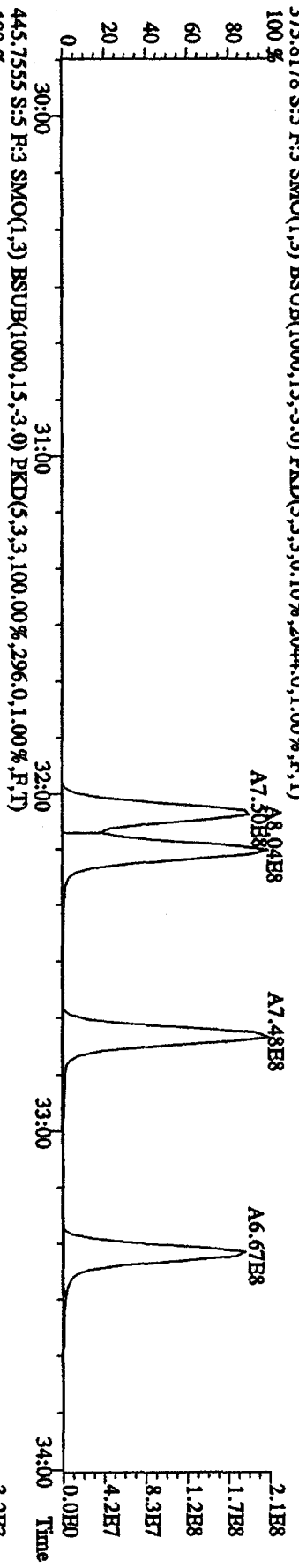
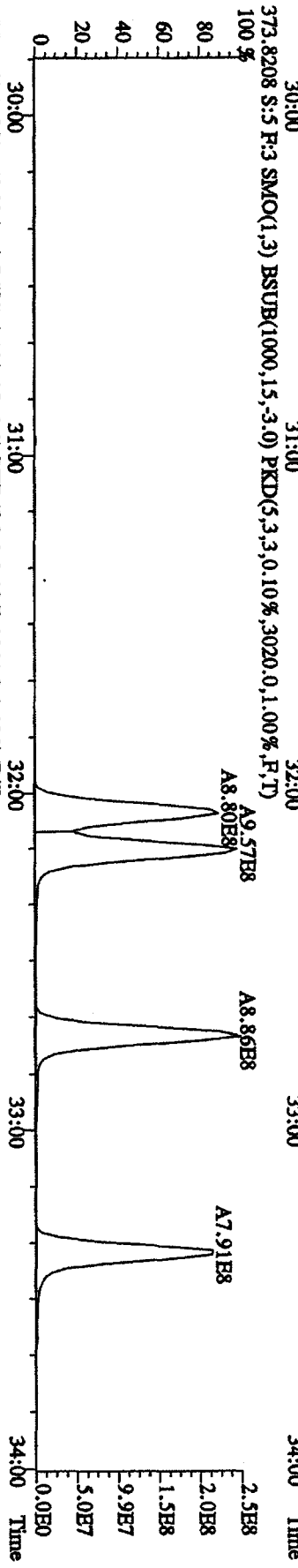
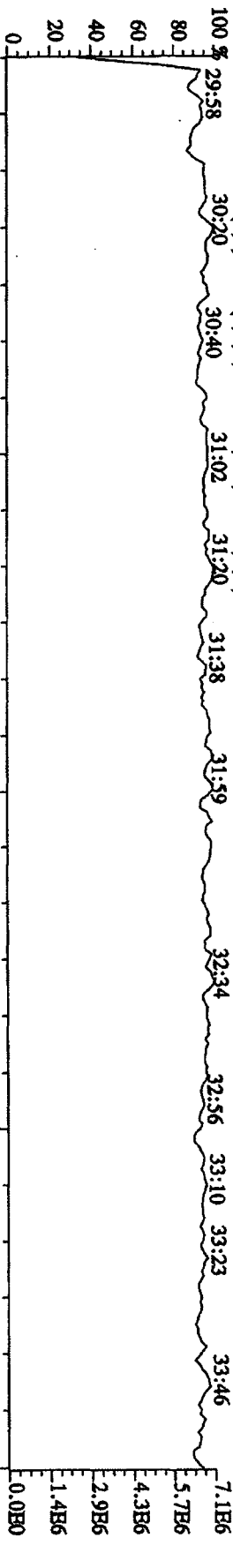
341.8567 S: 5 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4044,0.1,0.00%,F,T)



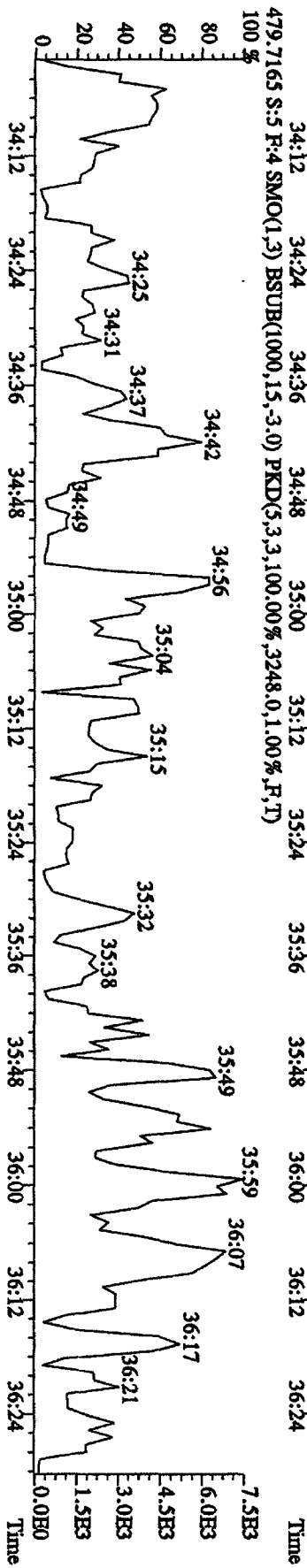
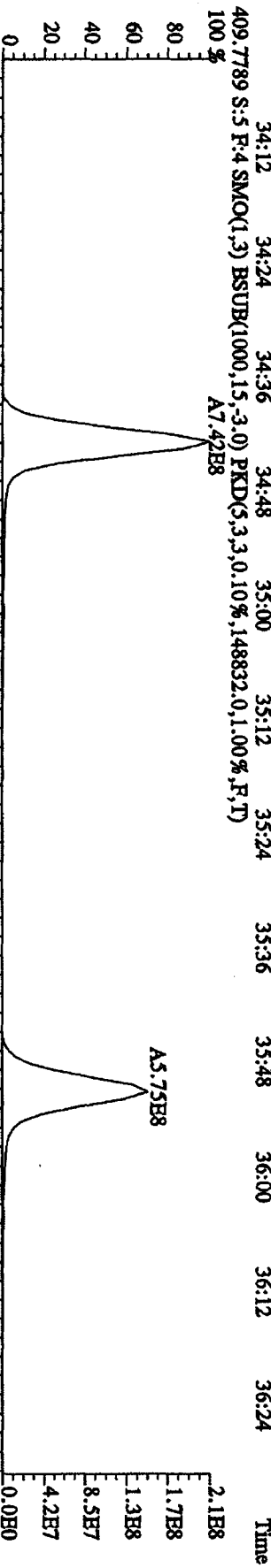
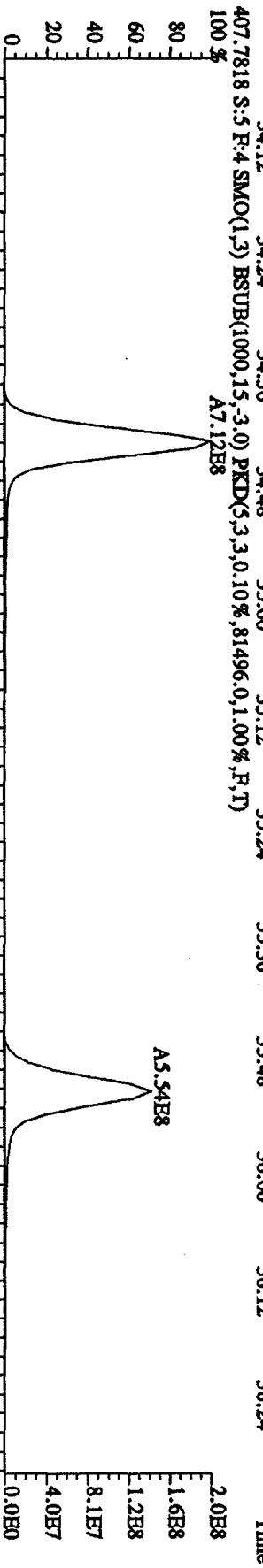
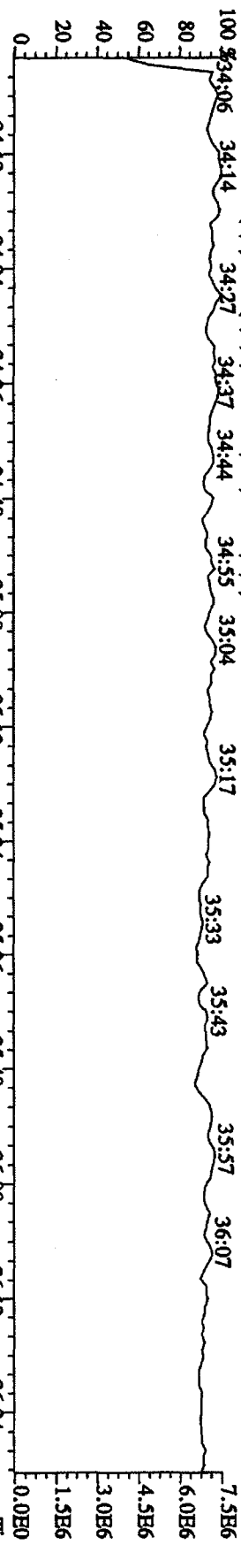
409.7974 S: 5 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,312,0.1,0.00%,F,T)



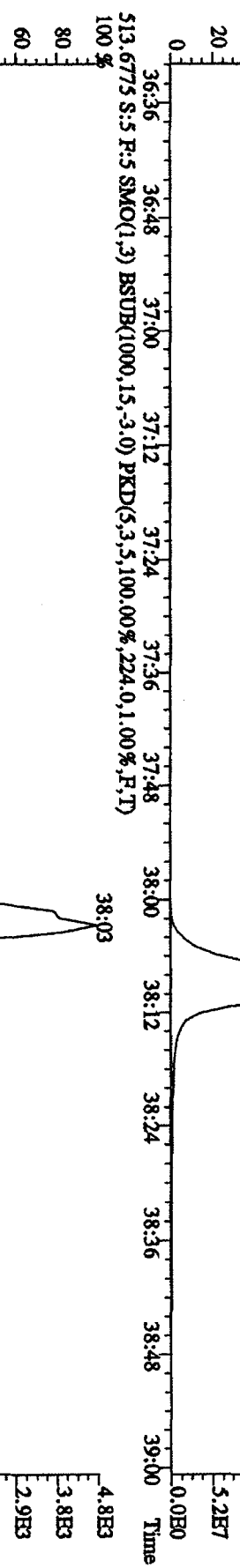
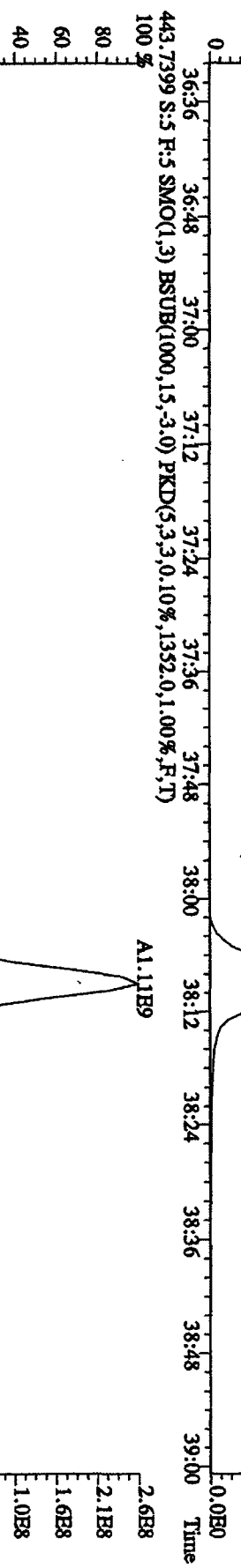
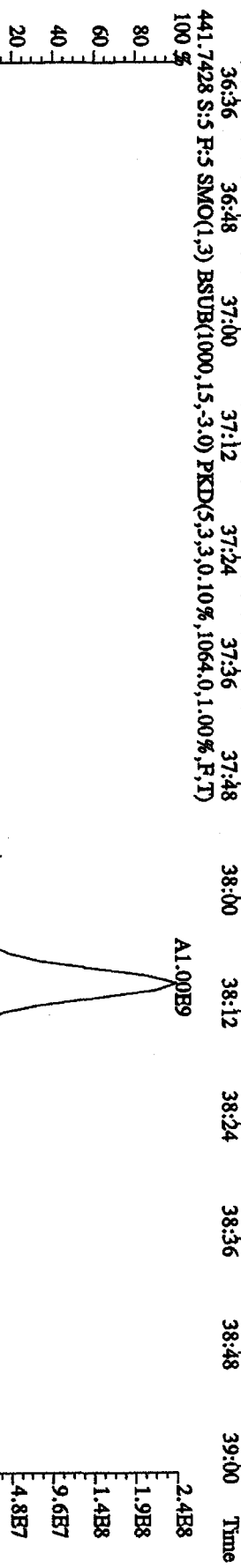
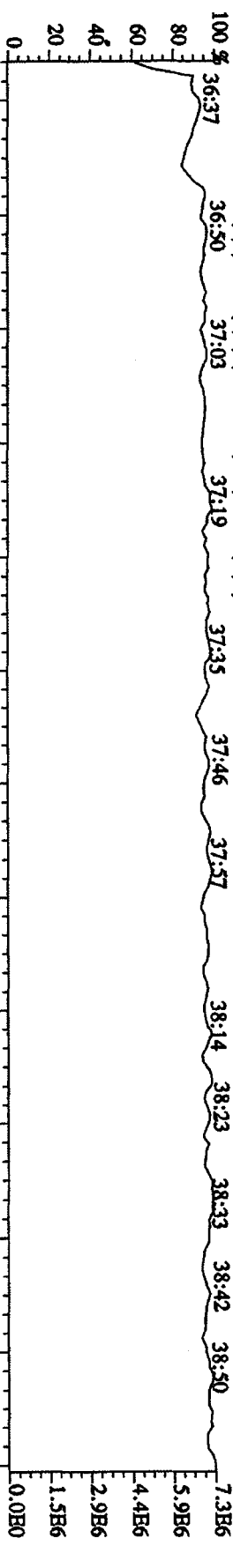
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIKXINRBS8290A
 430.9728 S:5 F:3 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 29:58 30:20 30:40 31:02 31:20 31:38 31:59 32:34 32:56 33:10 33:23 33:46



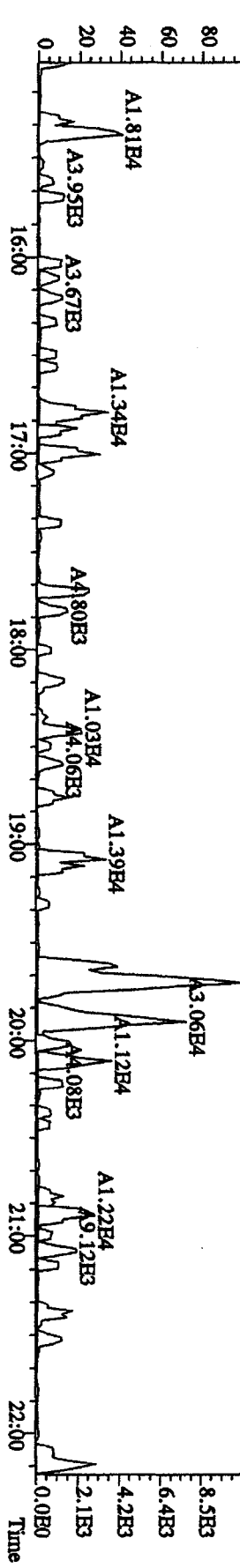
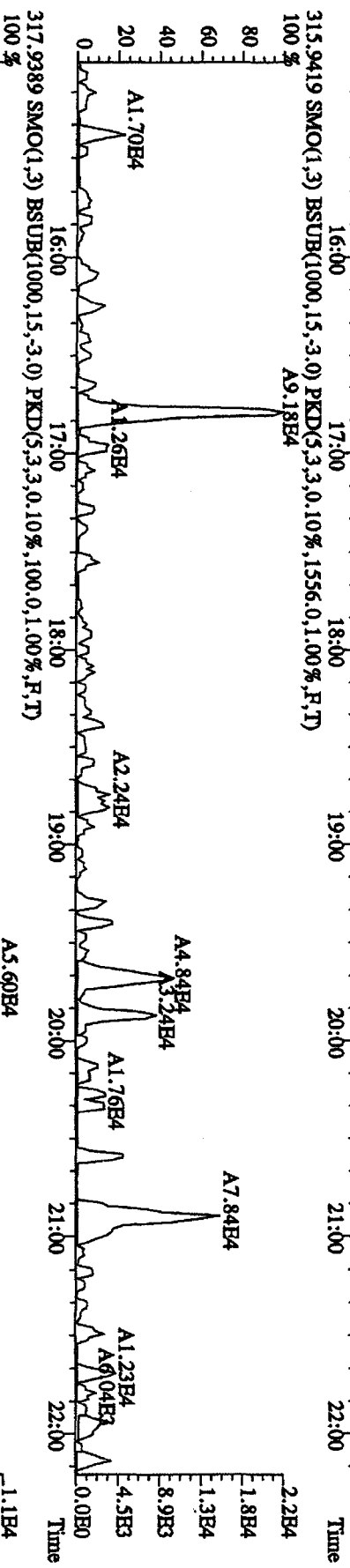
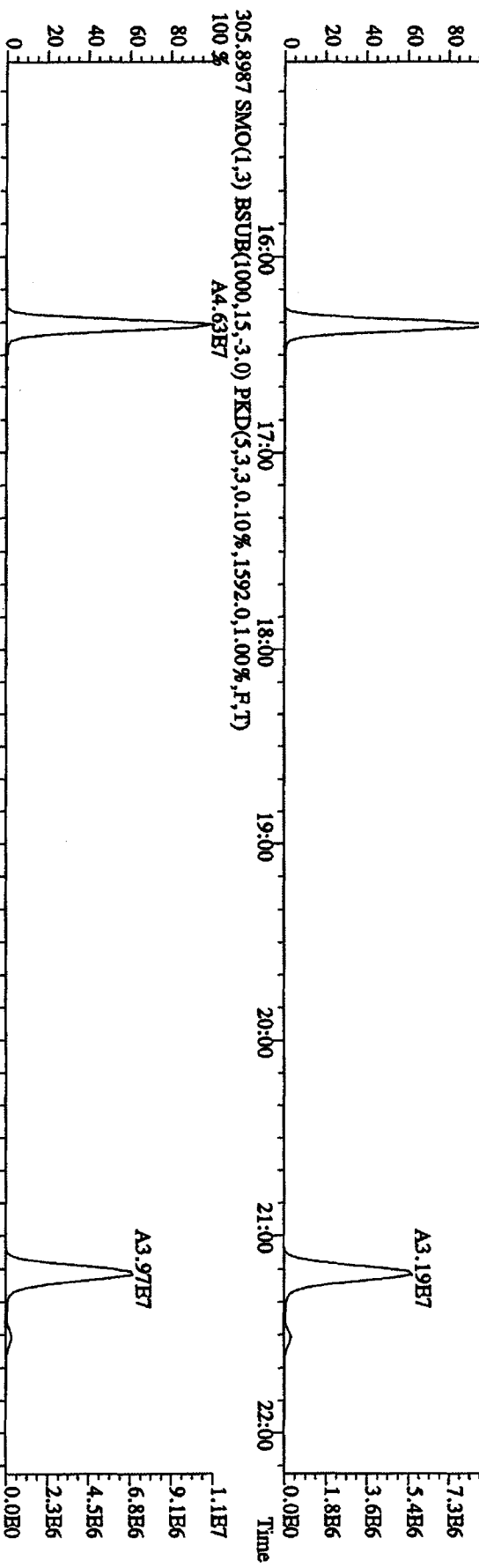
File: 12A1P104D5 #1-198 Acq: 12-APR-2010 11:32:49 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: ST0412C :CS-5 09DXN456 Exp: DIOXINRES8290A



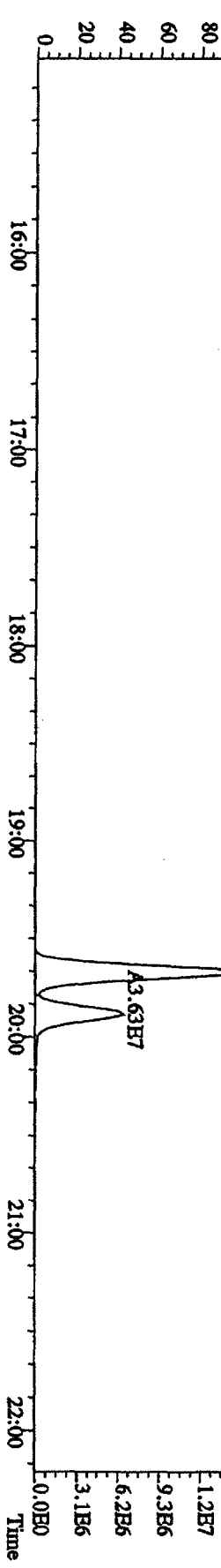
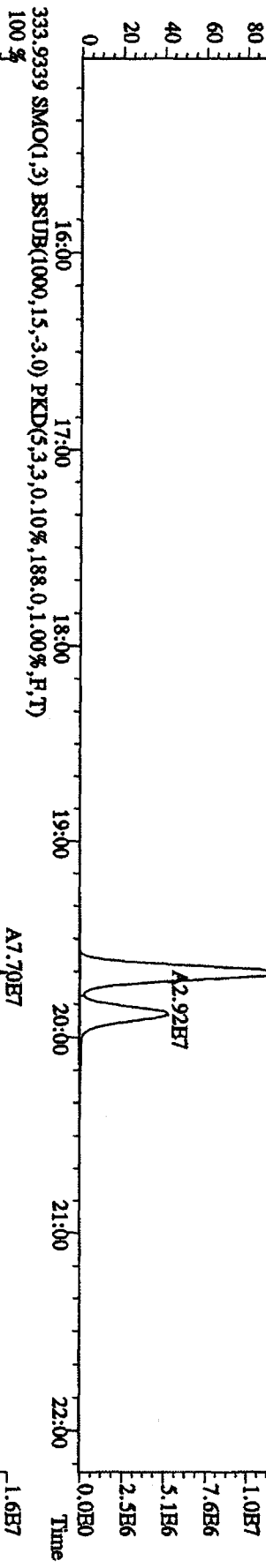
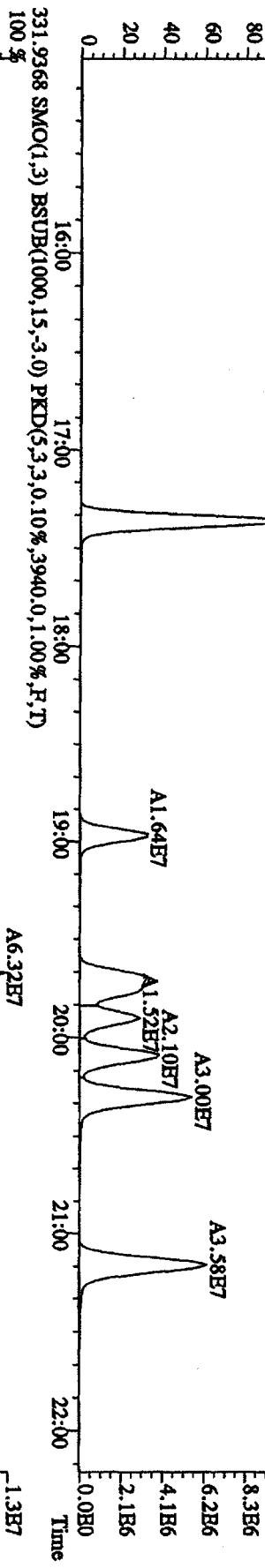
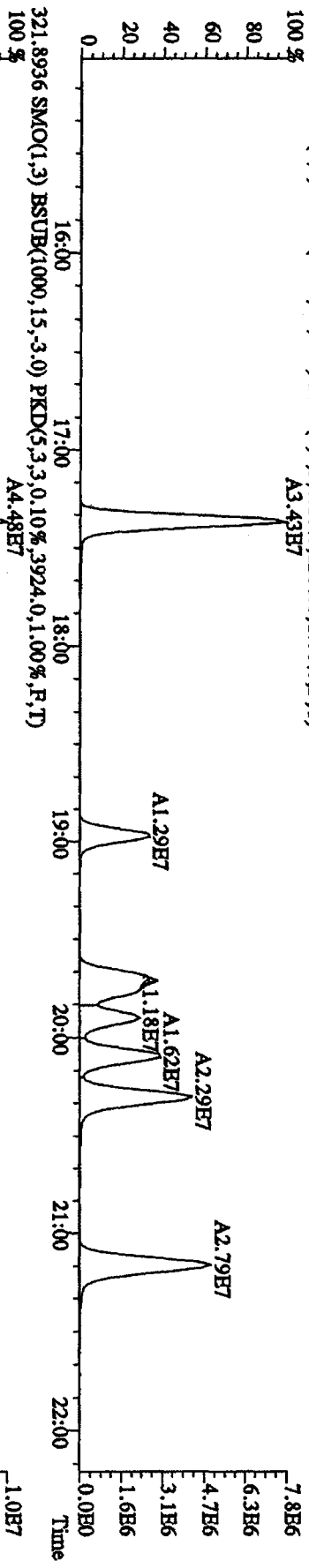
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DI0XINRESS8290A



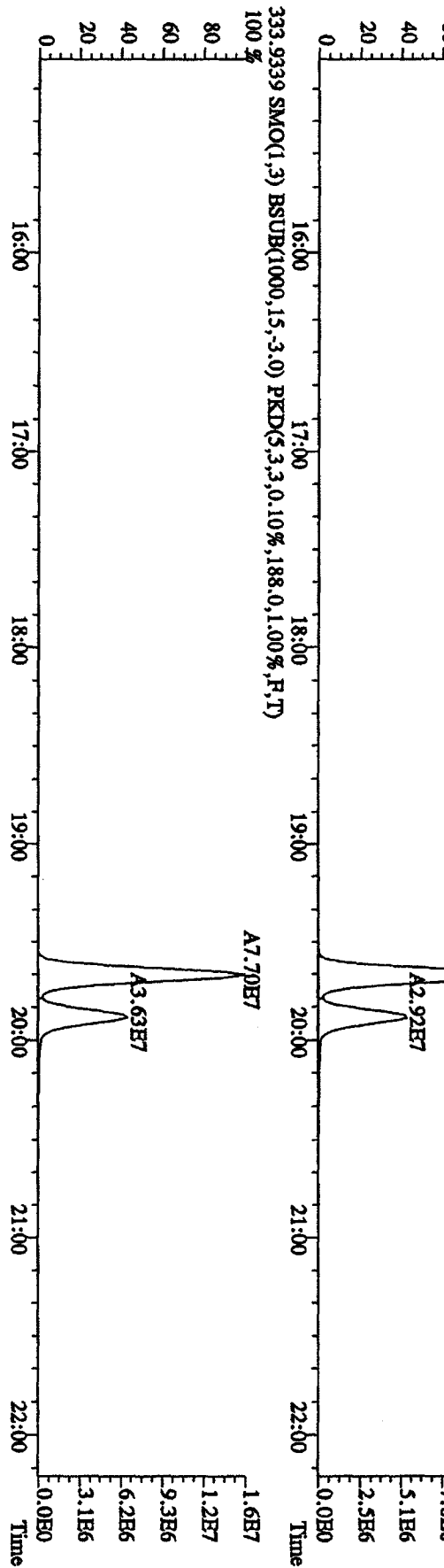
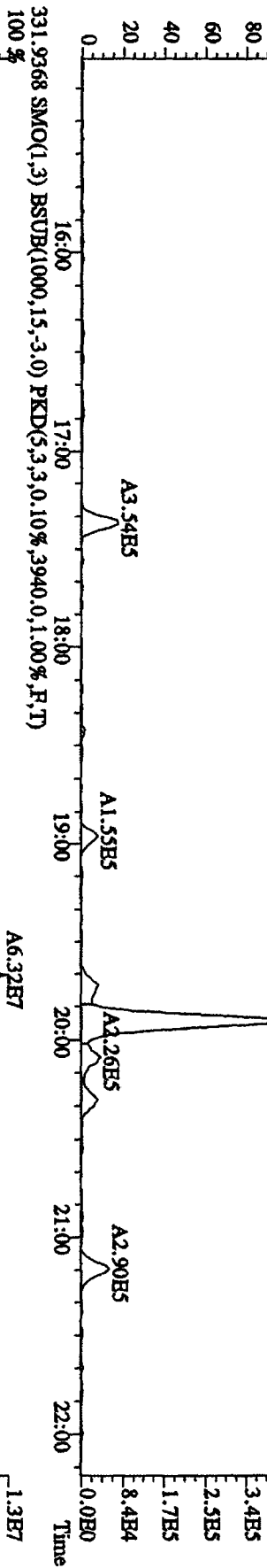
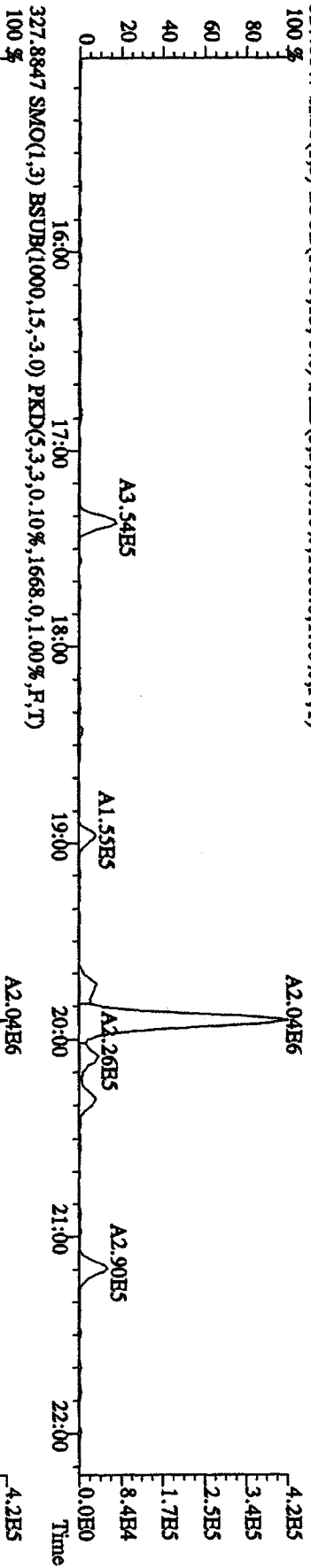
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimah
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 303.9016 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,944.0,1.00%,F,T)
 100% A3.75B7



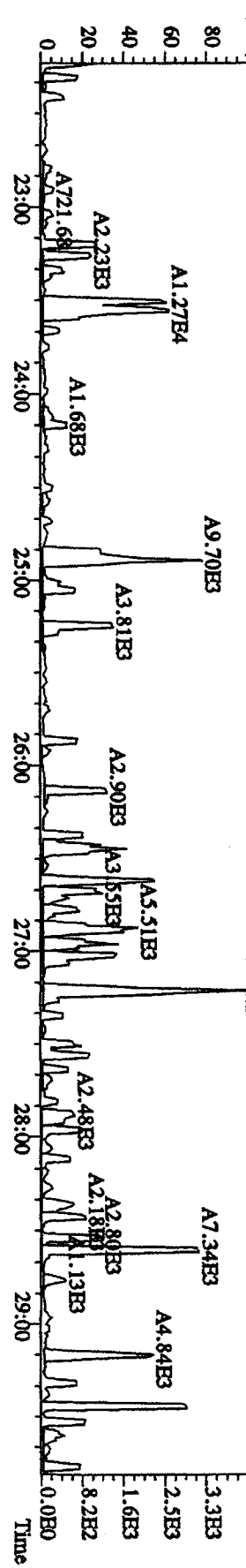
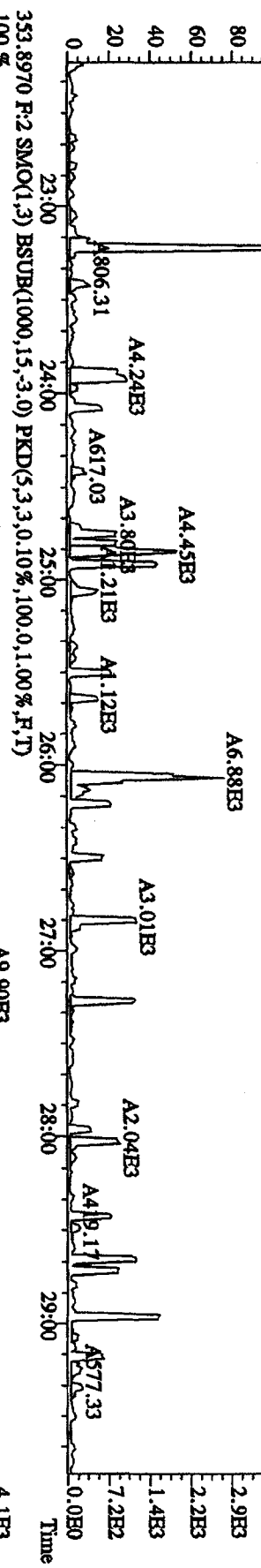
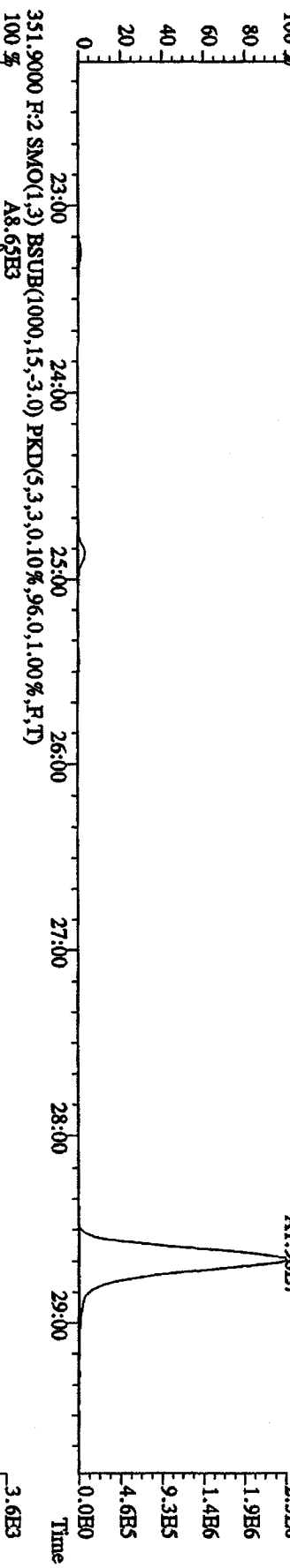
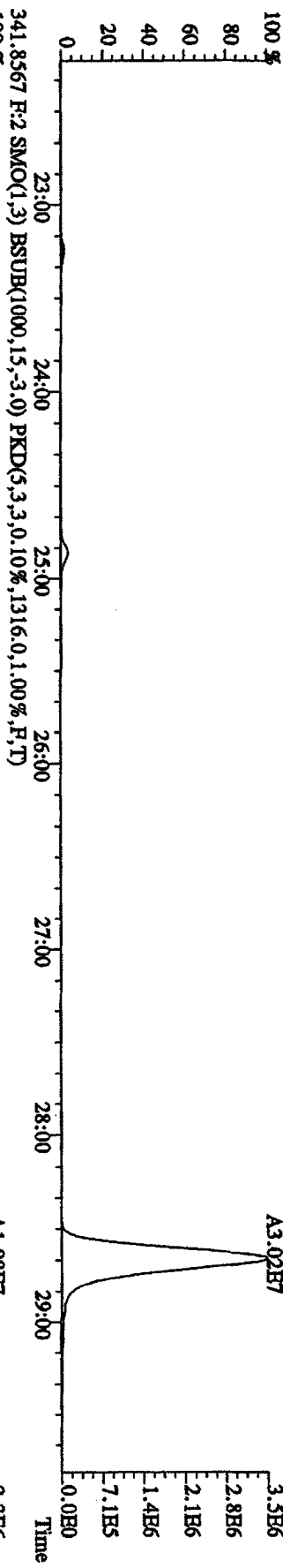
File: 12AP104D5 #1-435 Acq: 12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text: CP0412 :DB-5 CPM 3732-04 Exp: DIOXINRES8290A
 319.8965 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1208,0,1,00%,F,T)
 100% A3.43E7



File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC HI + 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(5,3,0,10%,1668,0,1.00%,F,T)



File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI + Voltage SIR Autospec-UltimaB
 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) 100%

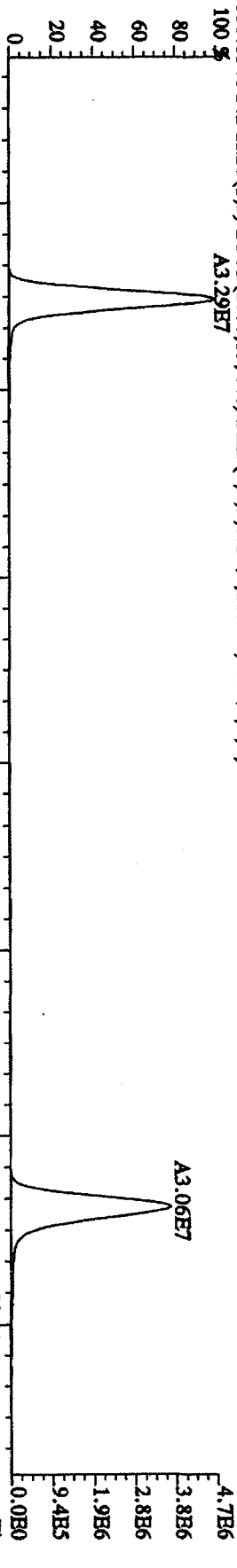


File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC:EI+ Voltage:5.0kV Autospec-UltimaB

Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A

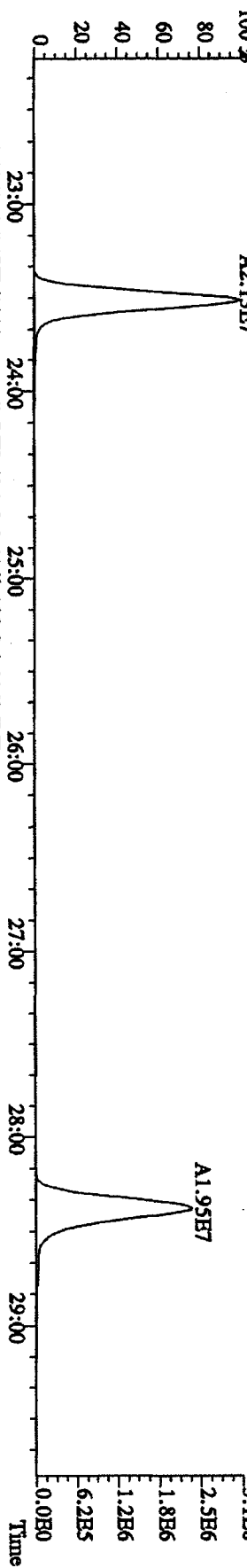
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1256.0,1.00%,F,T)

A3.29E7



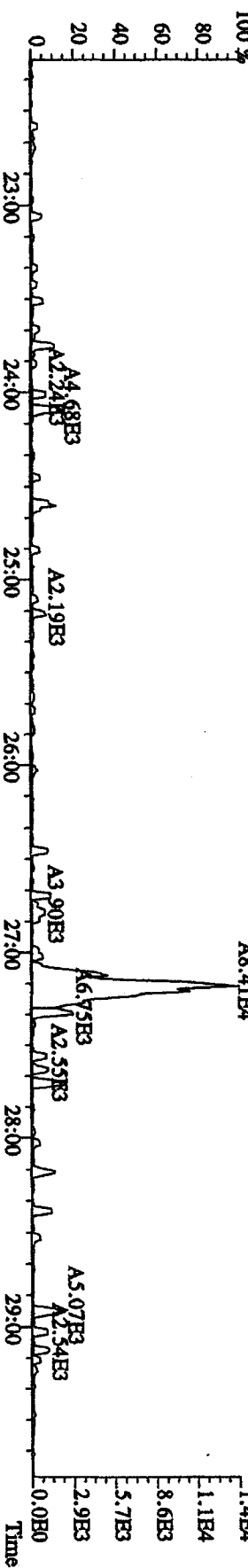
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

A2.13E7

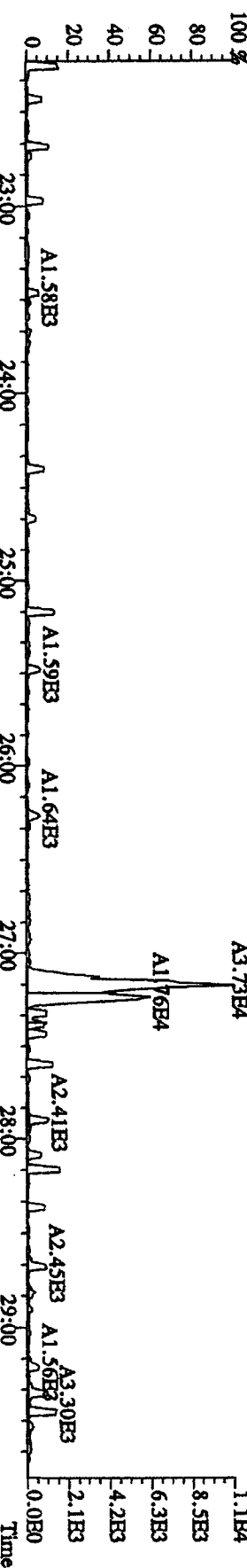


367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)

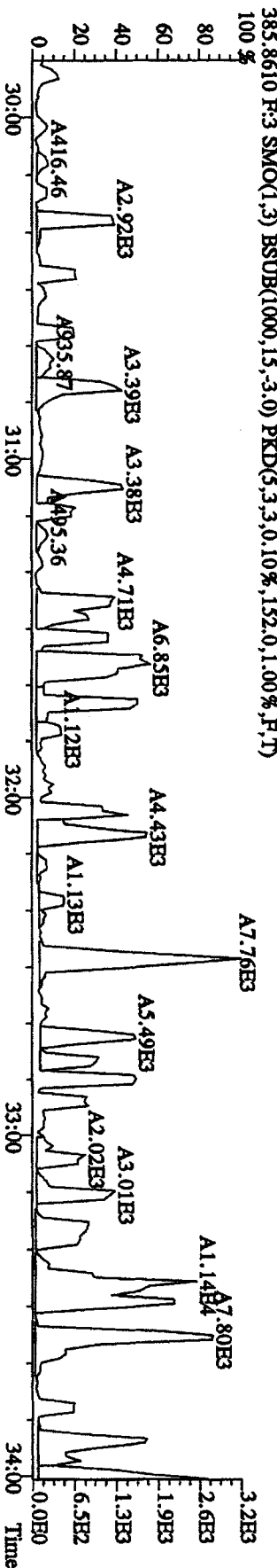
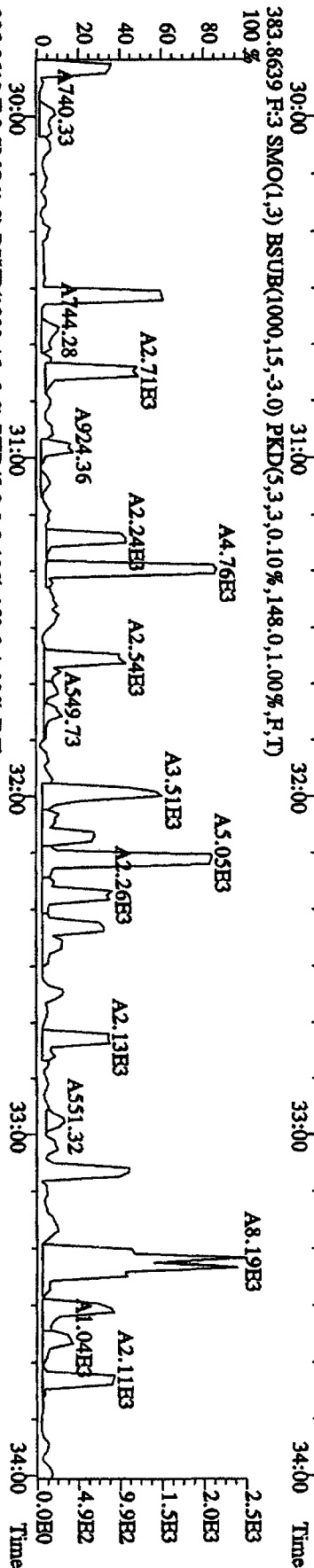
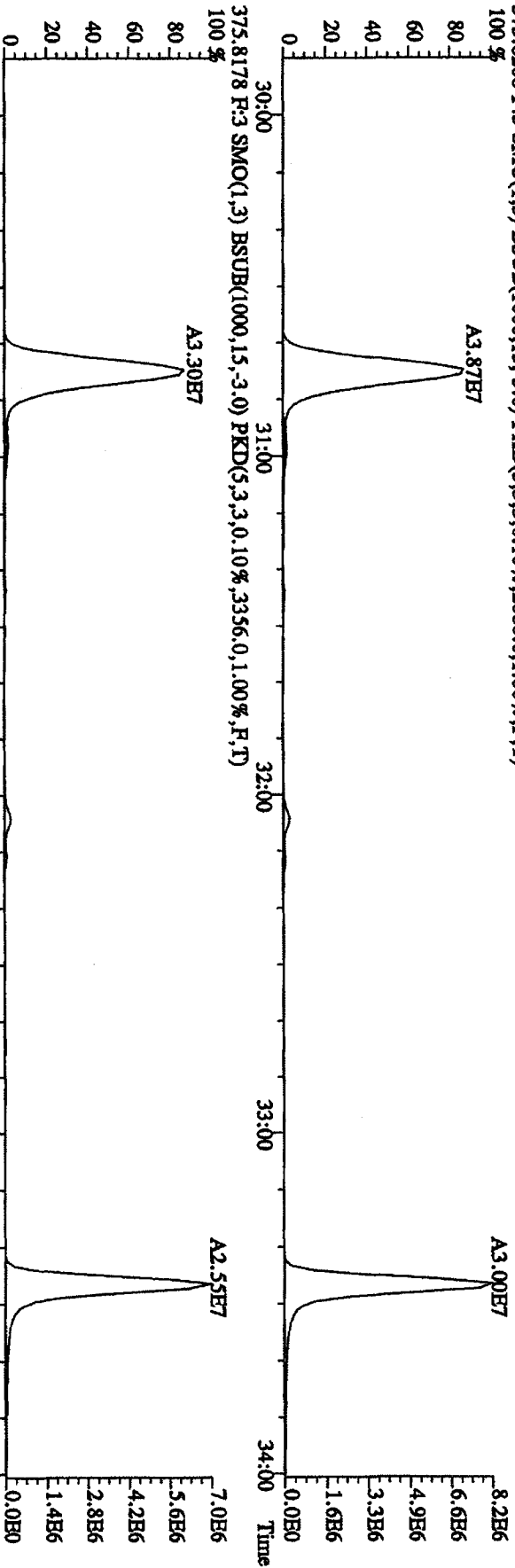
A8.41E4



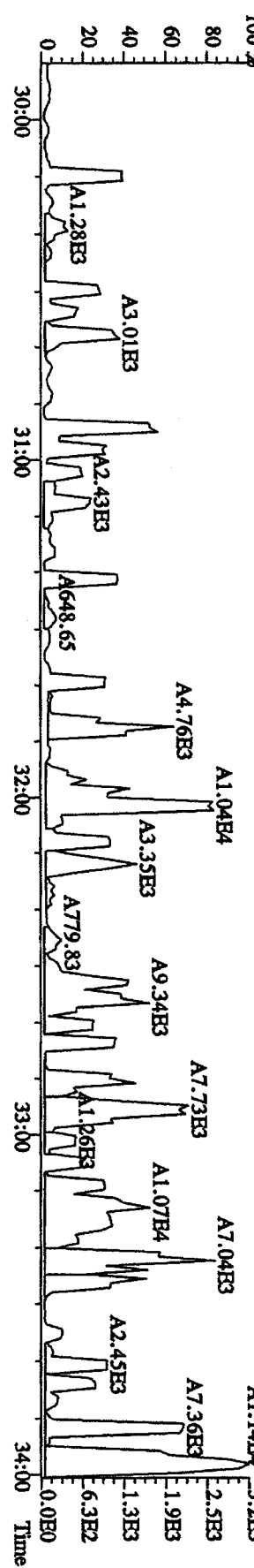
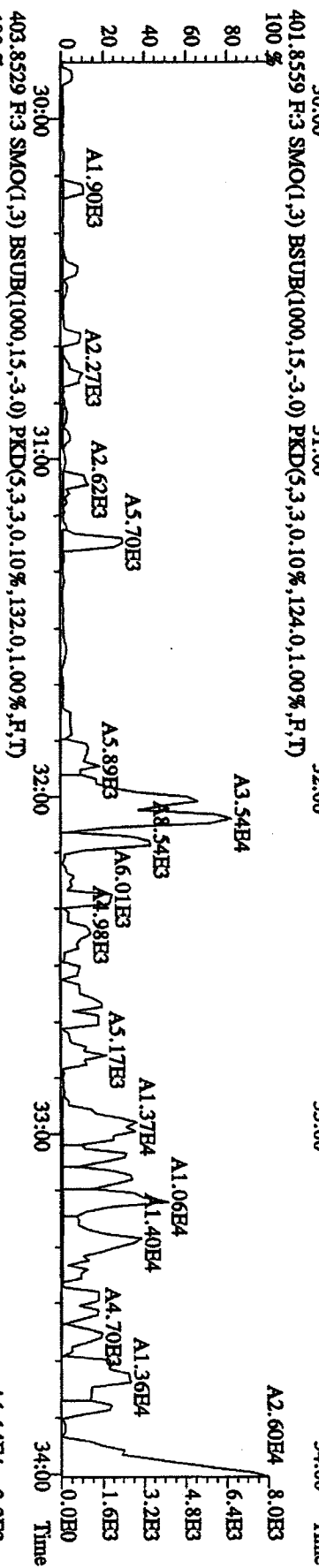
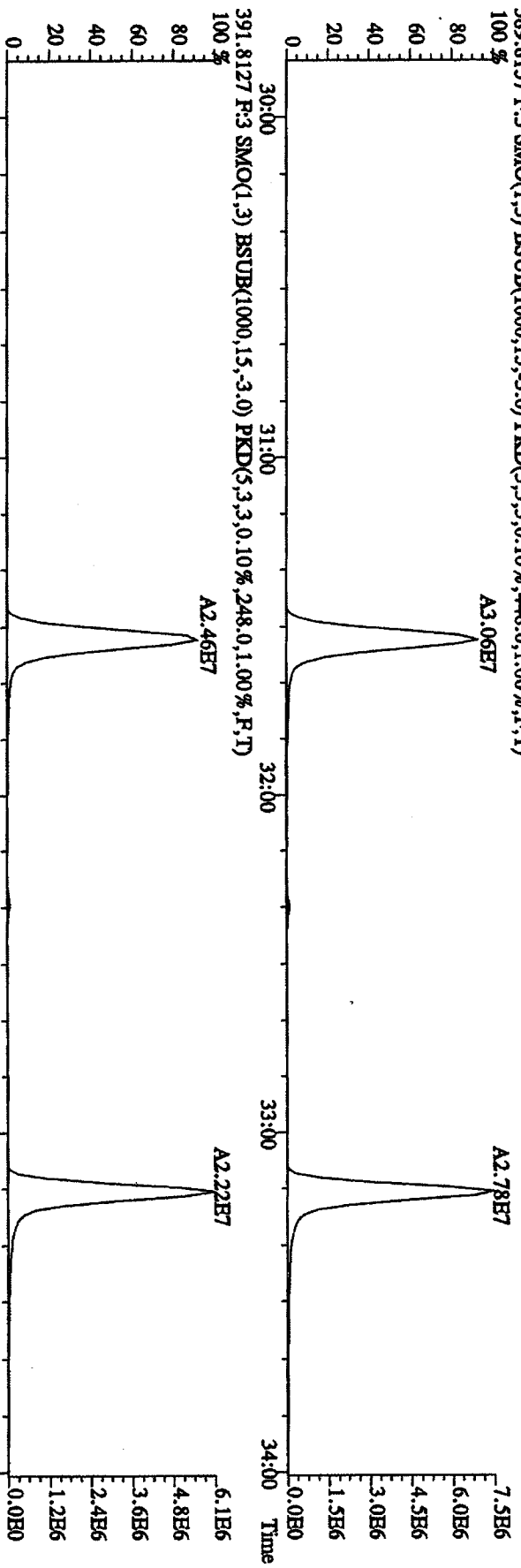
369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



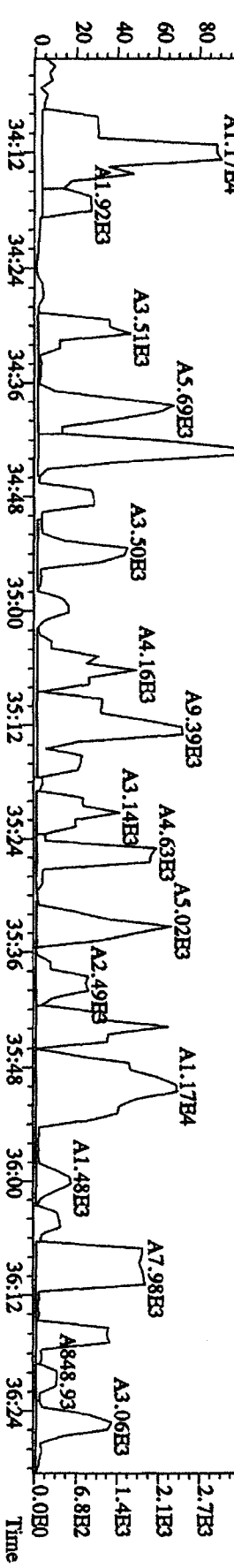
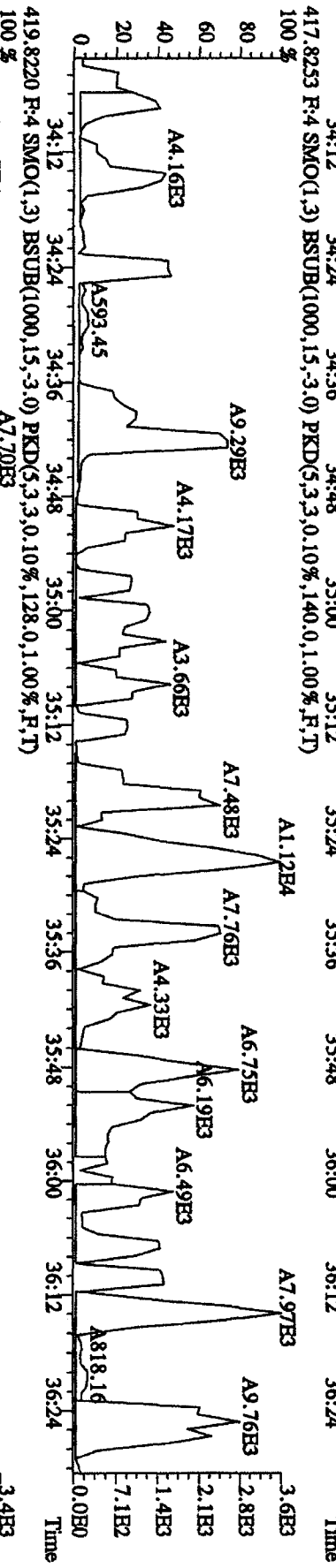
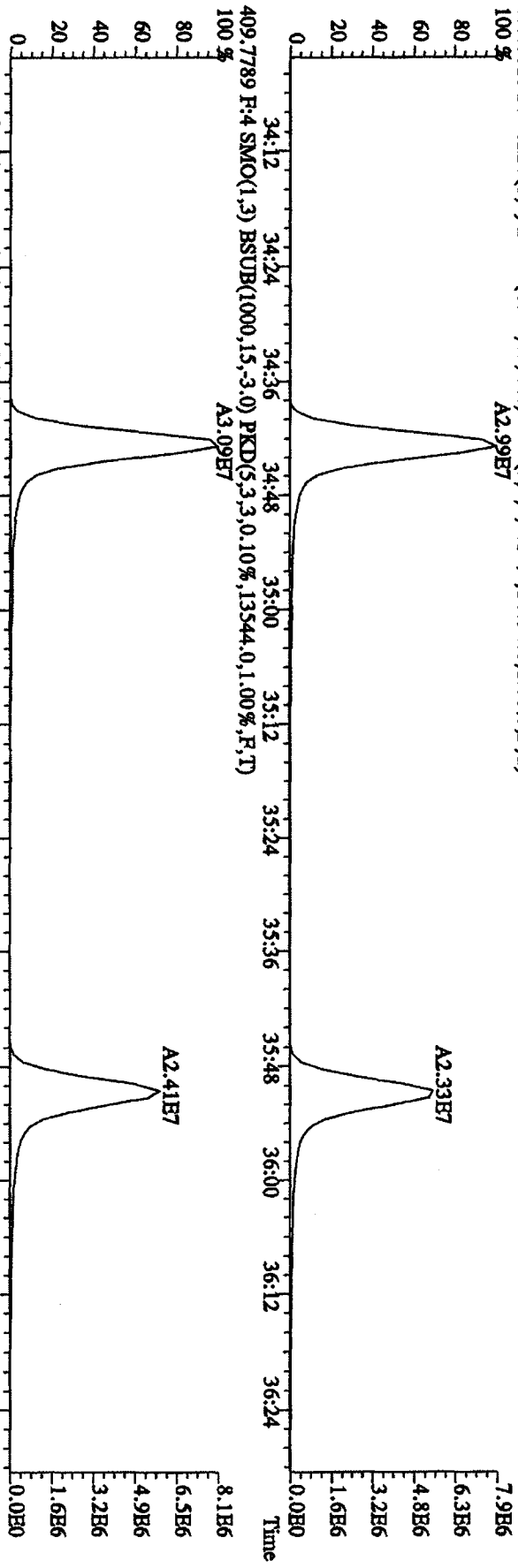
File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI + Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES82904
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2080,0,1,00%,F,T)



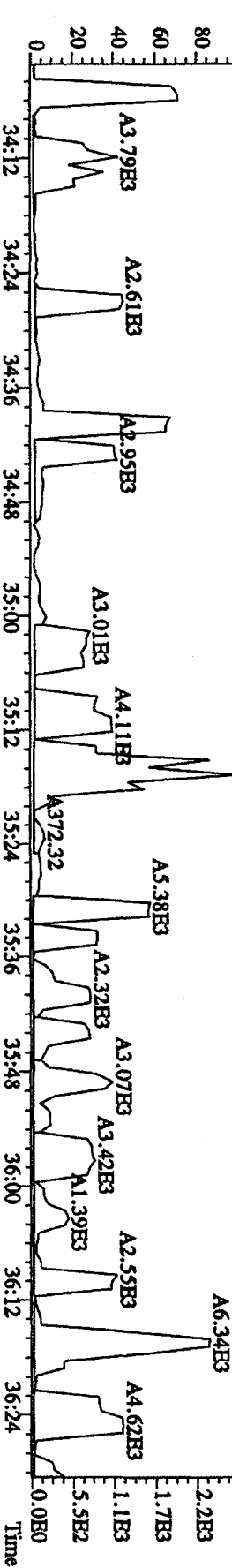
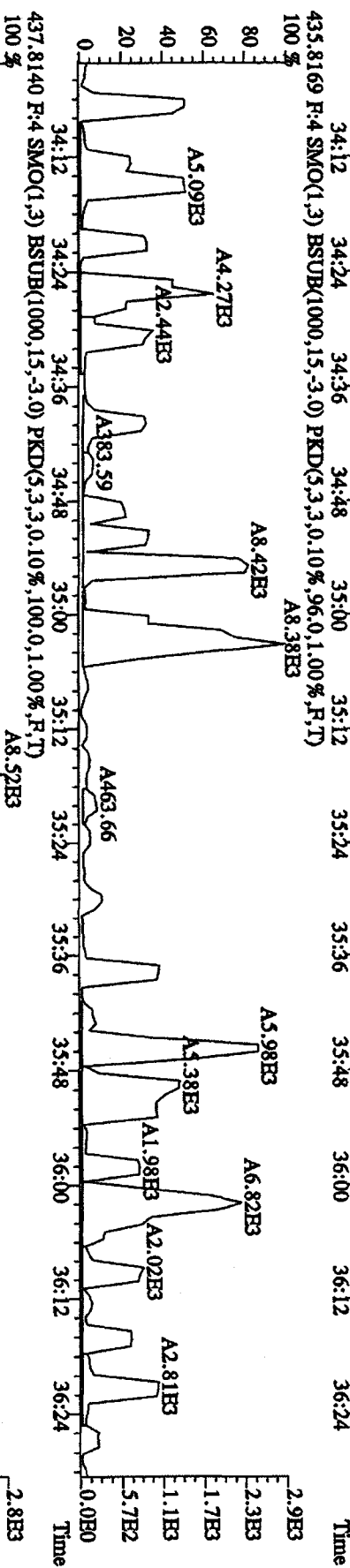
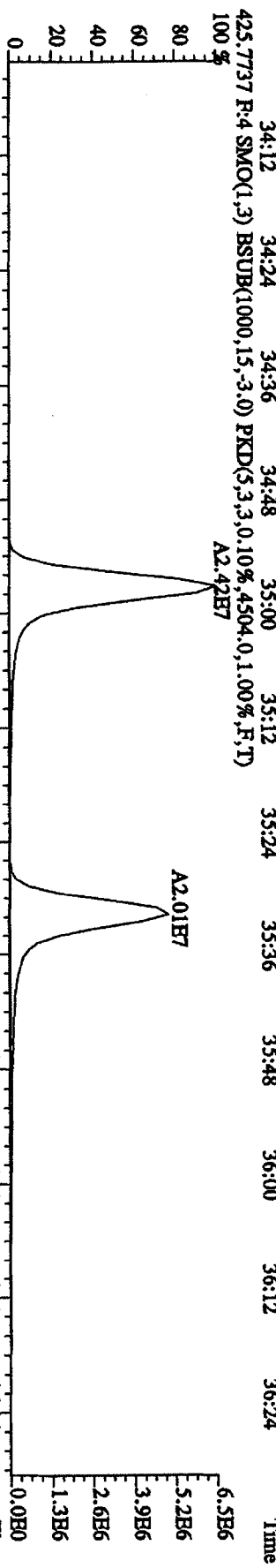
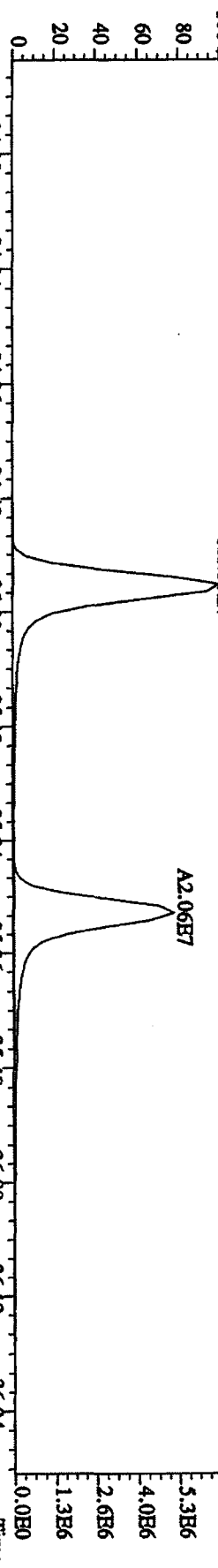
File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CFSM 3732-04 Exp:DIOXINRES8290A
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,448,0,1,00%,F,T)
 100 %



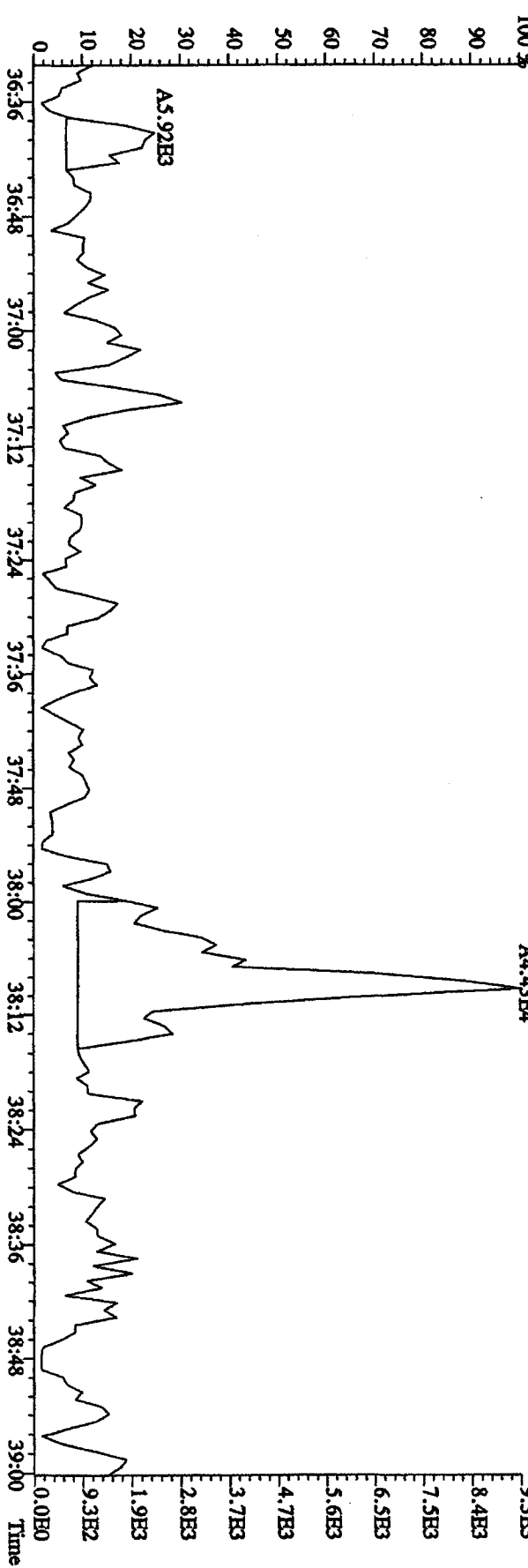
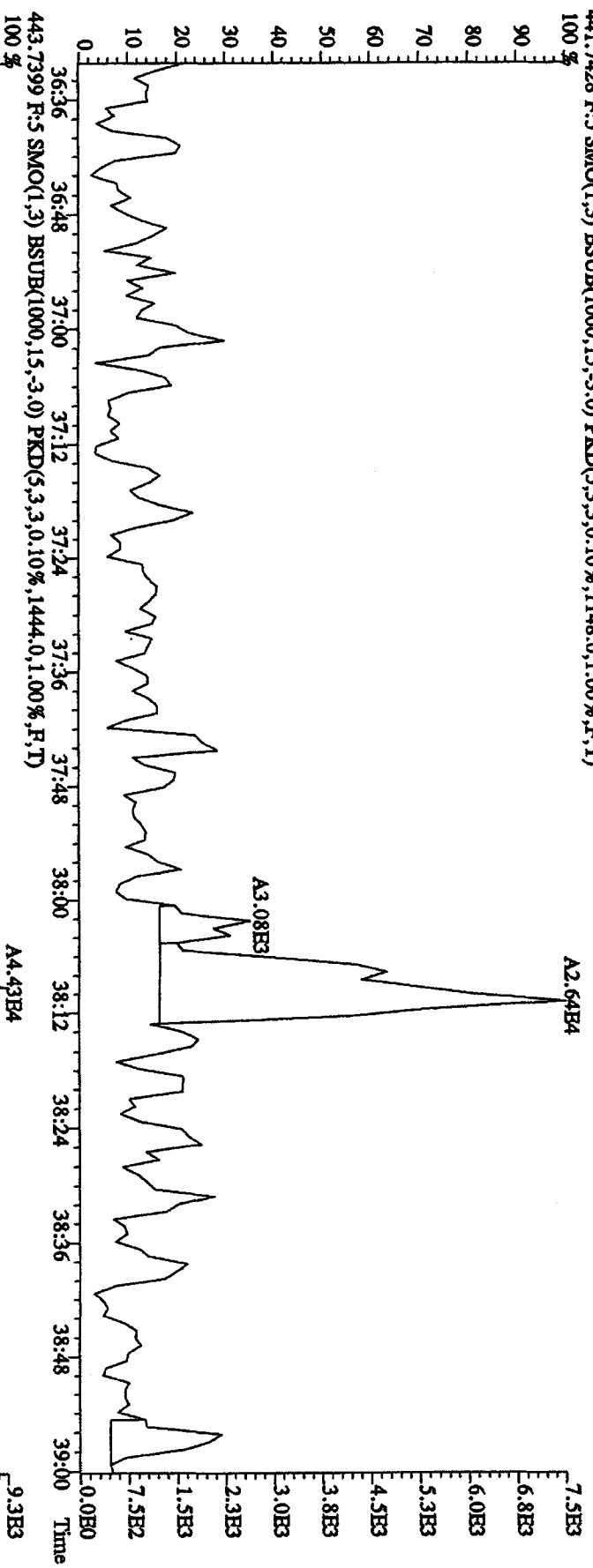
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14896,0,1,00%,F,T)
 100%



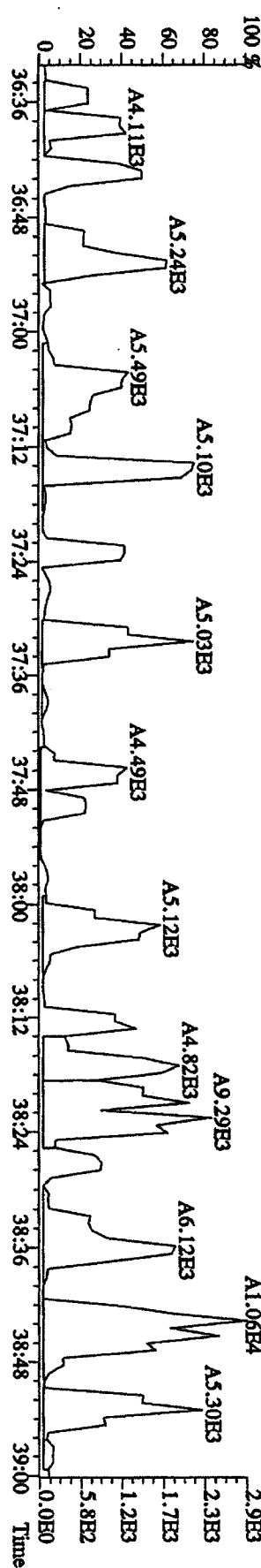
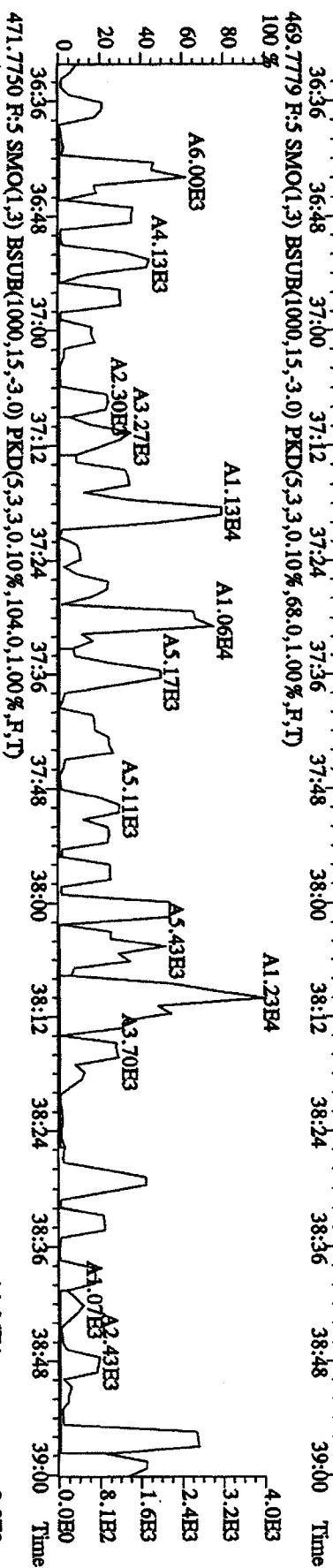
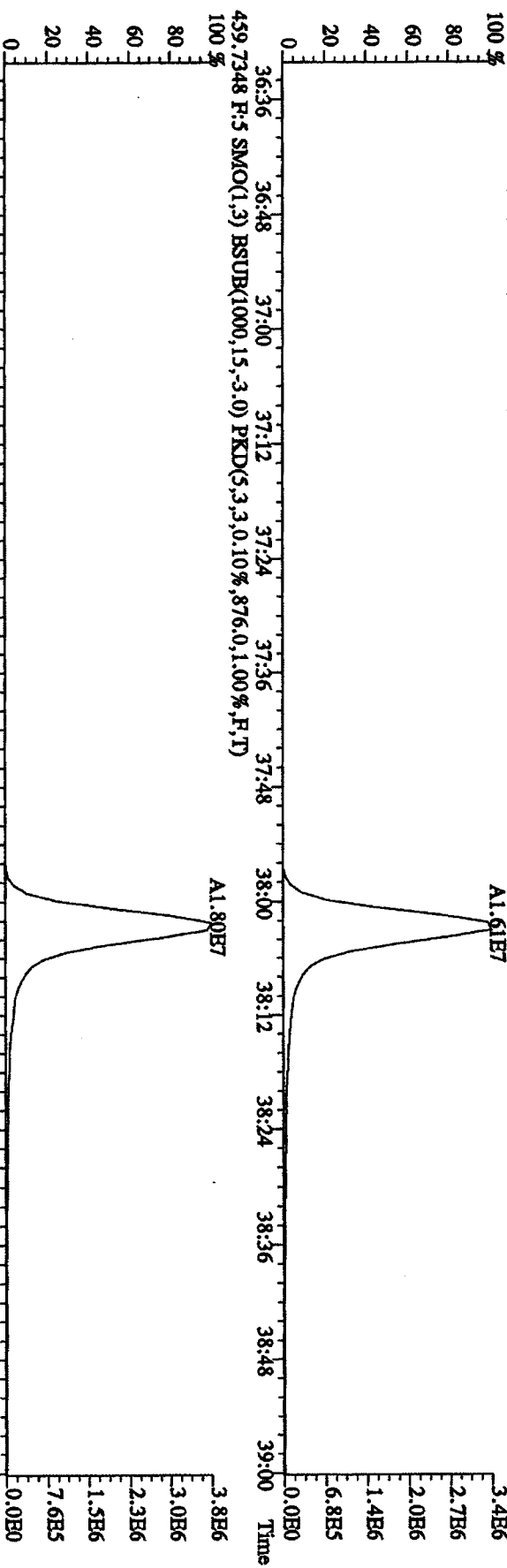
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 423.7737 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)
 100 % A2.50E7



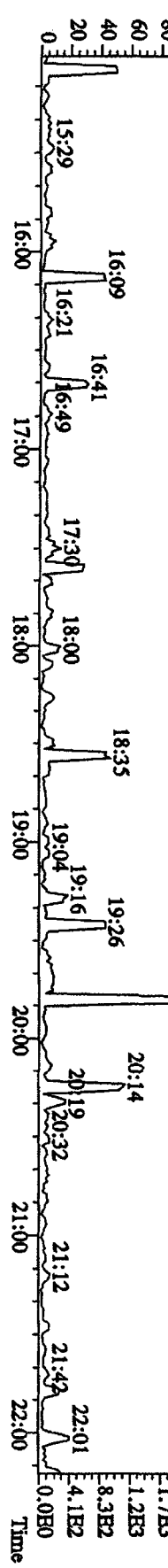
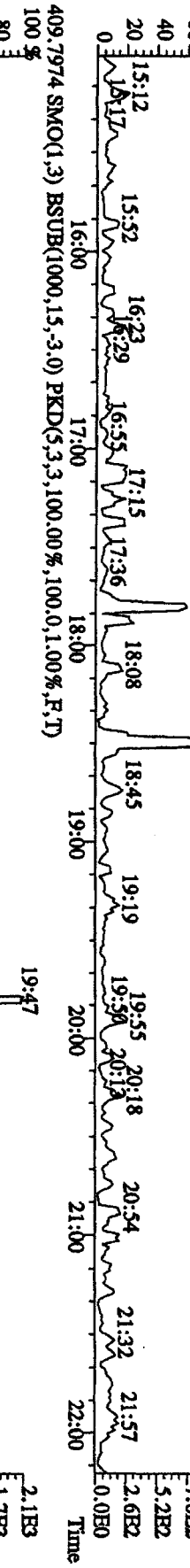
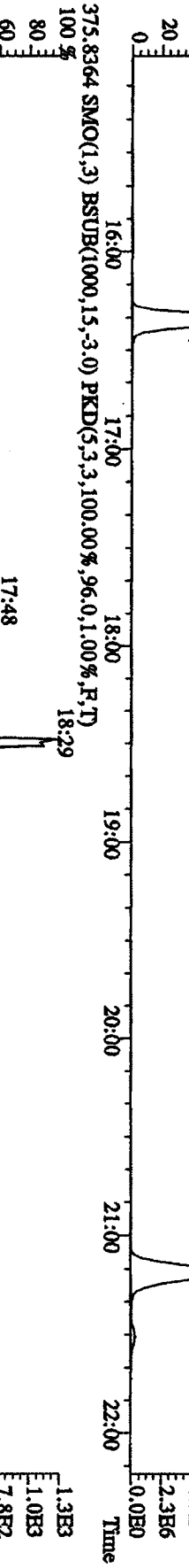
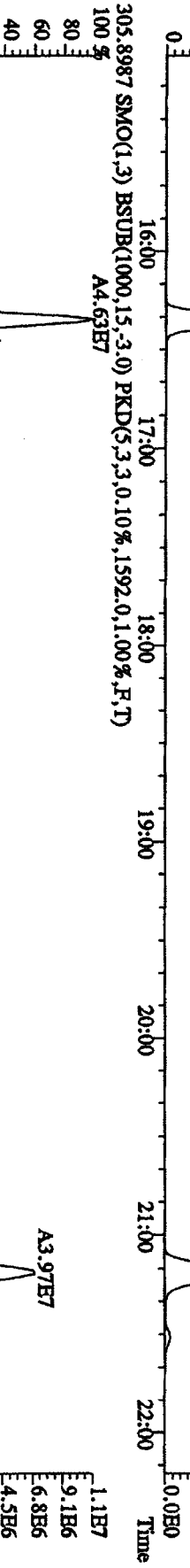
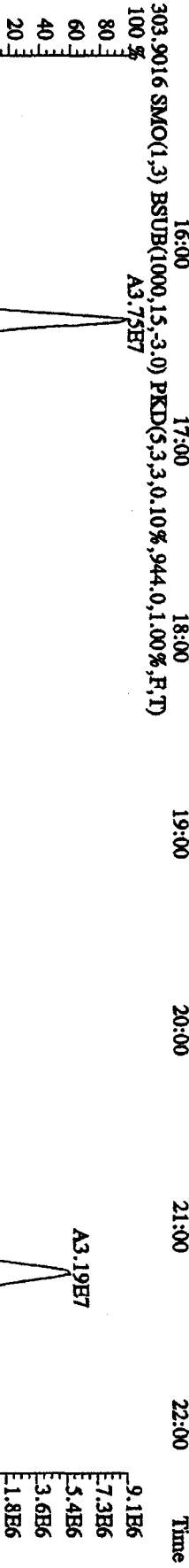
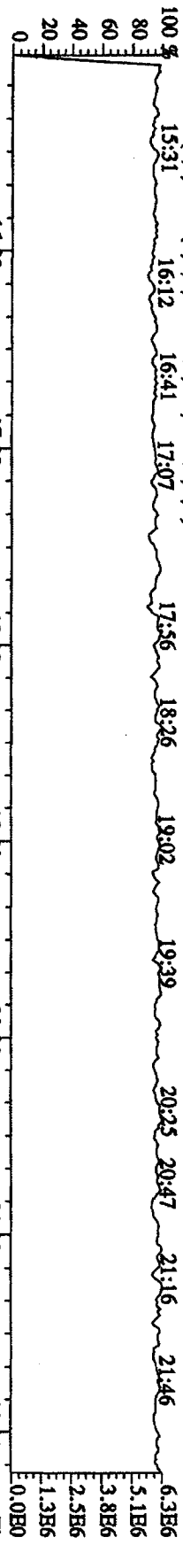
File:12AP10AD5 #1-190 Acq:12-APR-2010 08:30:15 GC:BI + Voltage:SR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM(3732.04 Exp:DIOXINRES8290A
 441.7428 F:5 SMO(1.3) BSUB(1000,15.3.0) PKD(5,3,3,0.10%,1148.0,1.00%,F,T)



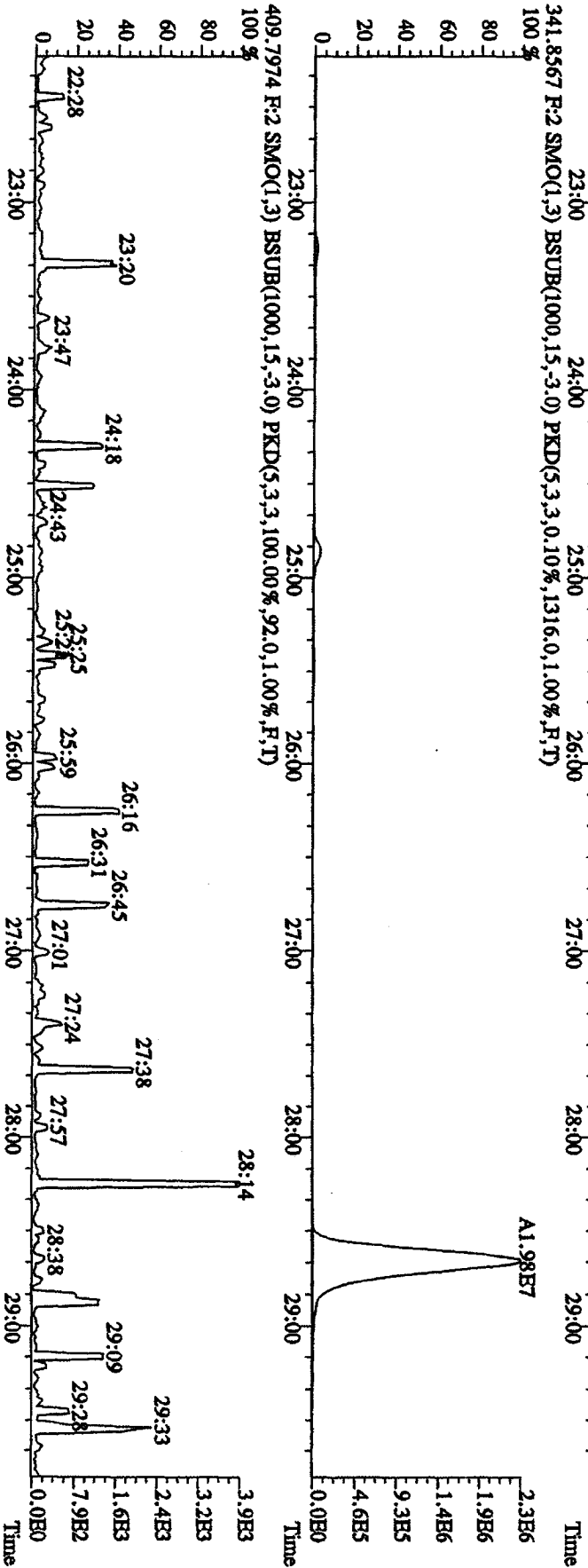
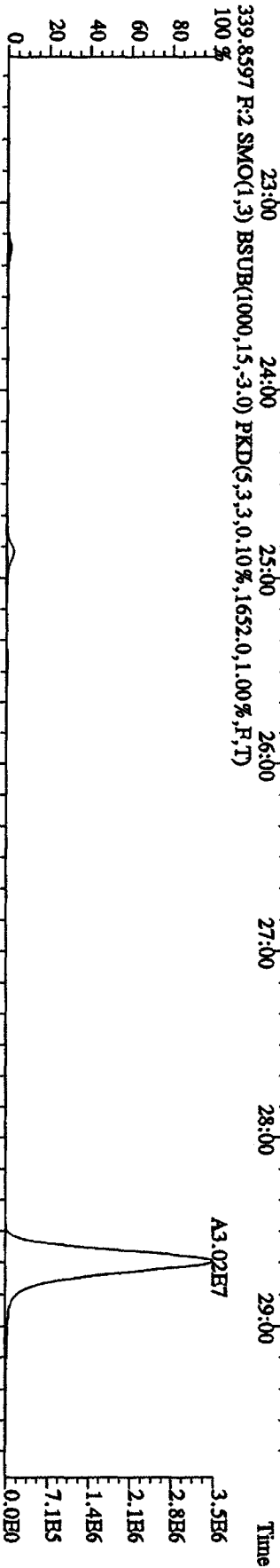
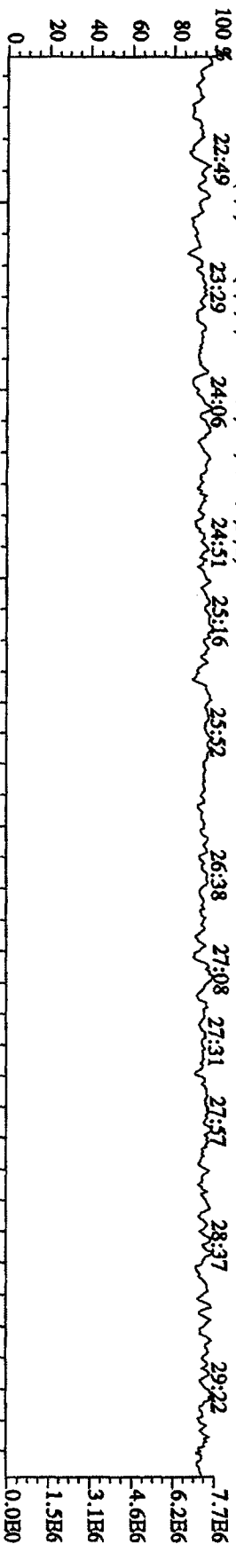
File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732.04 Exp:DIOXINRES8290A
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,504.0,1.00%,F,T)



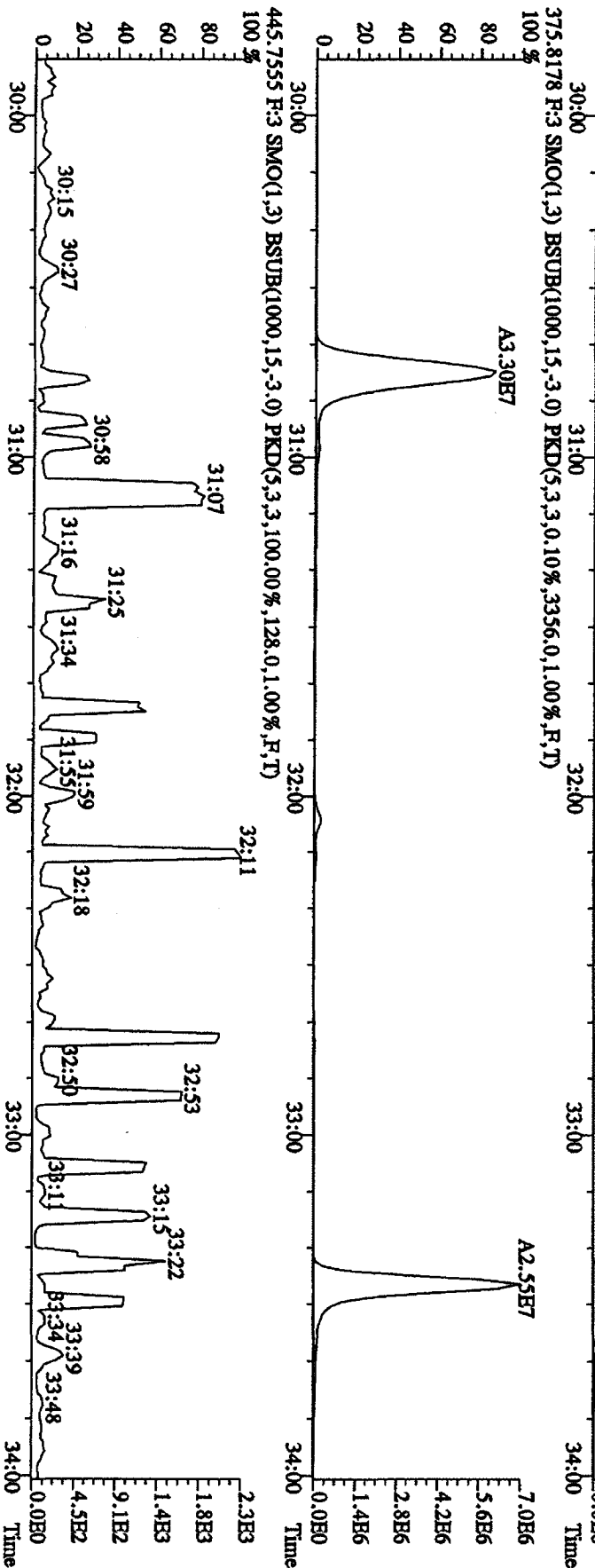
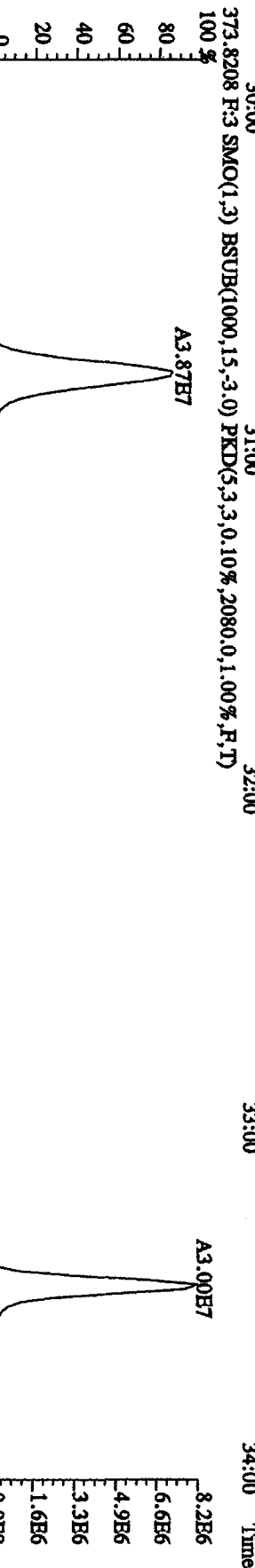
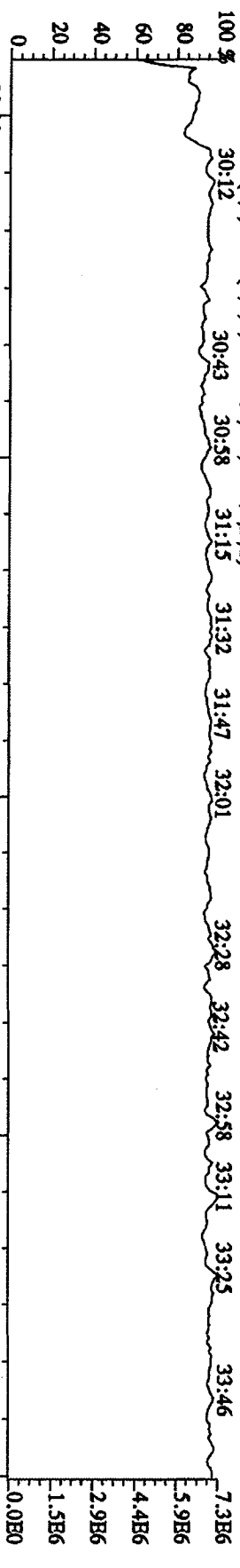
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC HI + Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 354.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



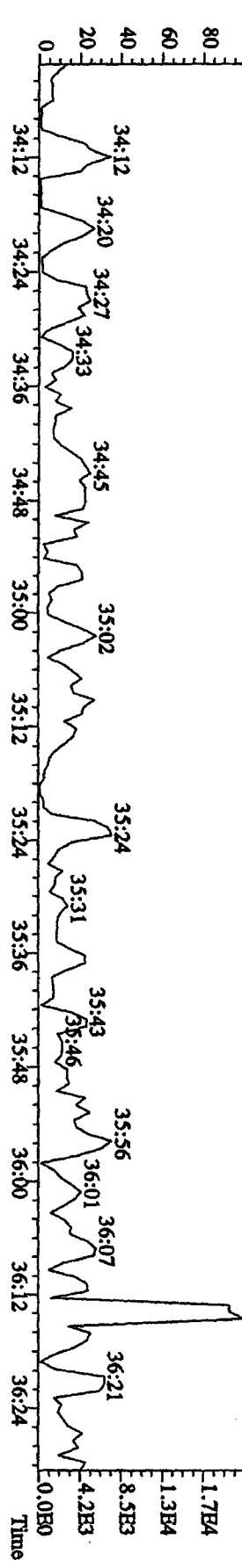
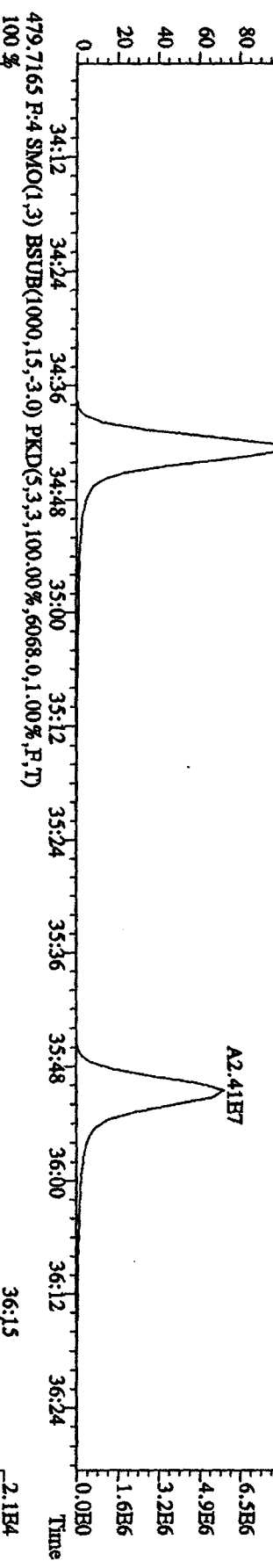
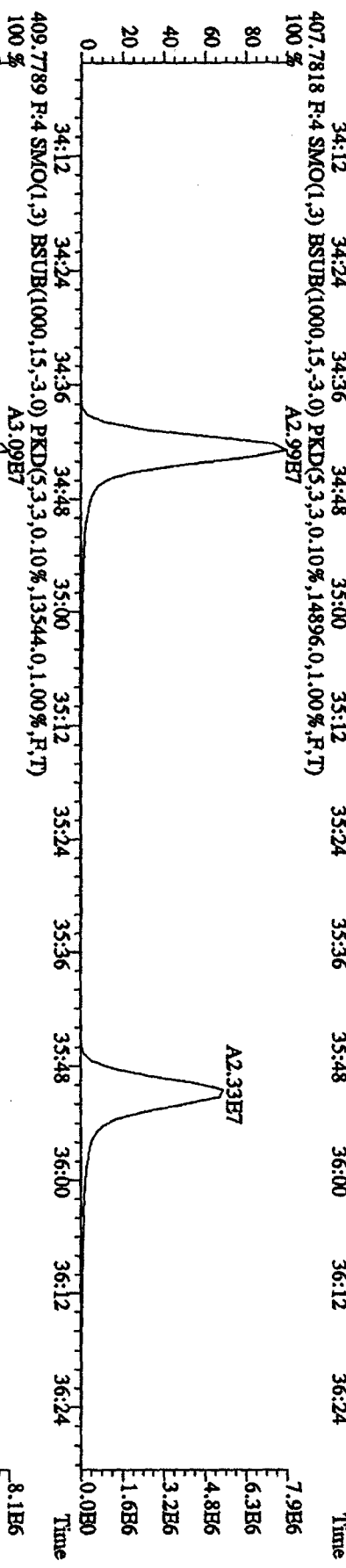
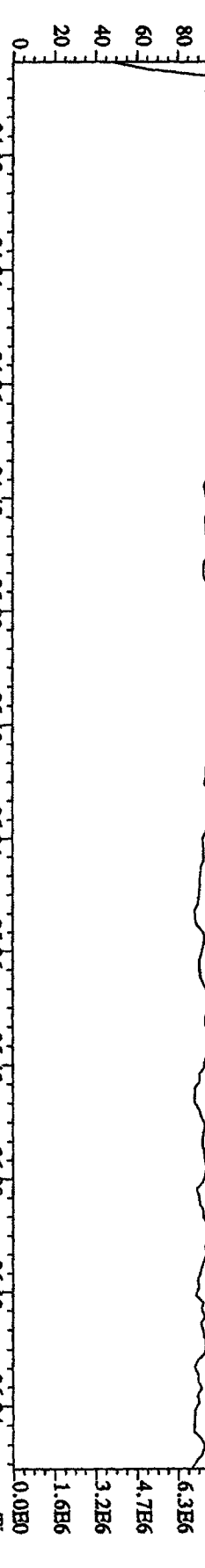
File: 12A1P104D5 #1-605 Acq: 12-APR-2010 08:30:15 GC BI + Voltage SIR Autospec-UltimaB
 Sample#1 Text: CP0412 :DB-5 CPSM 3732-04 Exp: DIOXINRES8290A



File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A



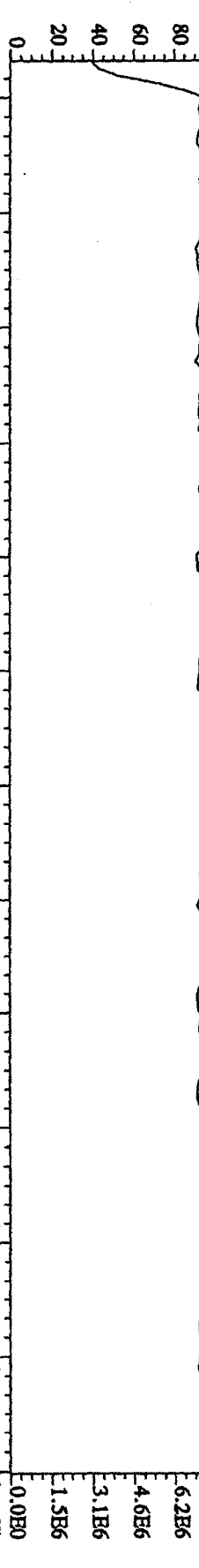
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 34:08 34:25 34:39 34:49 35:02 35:13 35:35 35:46 35:54 36:06 36:18



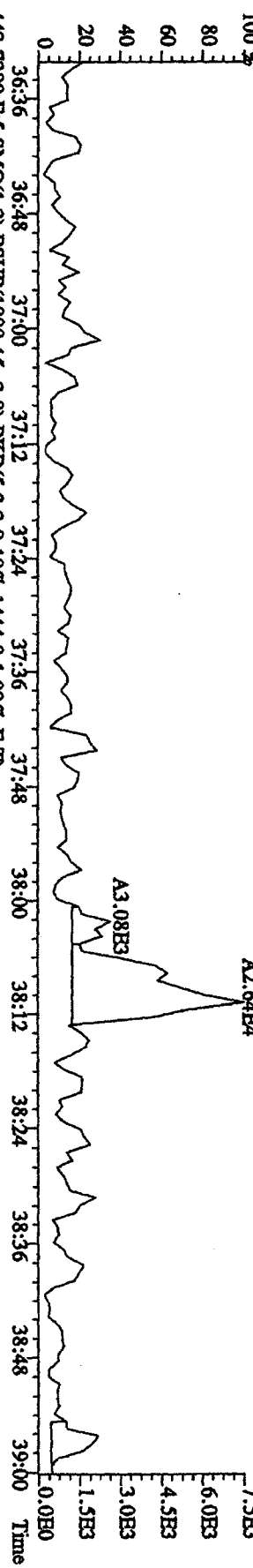
File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage: SIR Autospec-UltimaB

Sample#1 Text:CP0412 :DB-5 CPSM 3732.04 Exp:DIOXINRES8290A

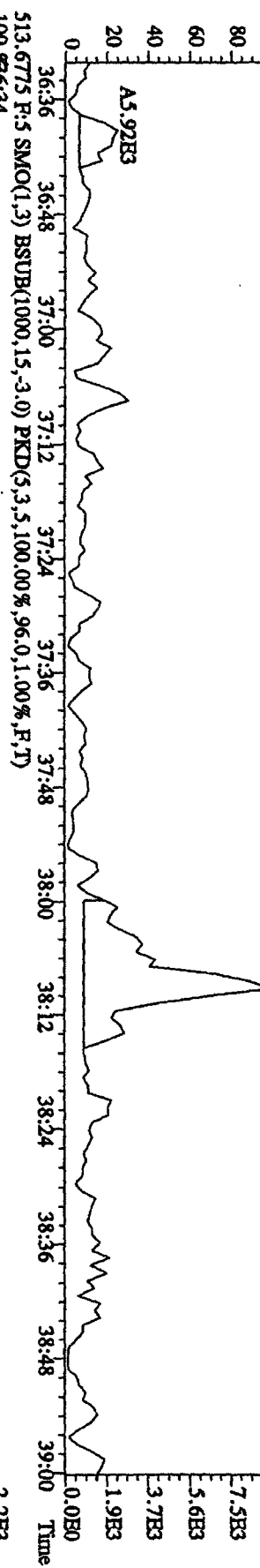
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



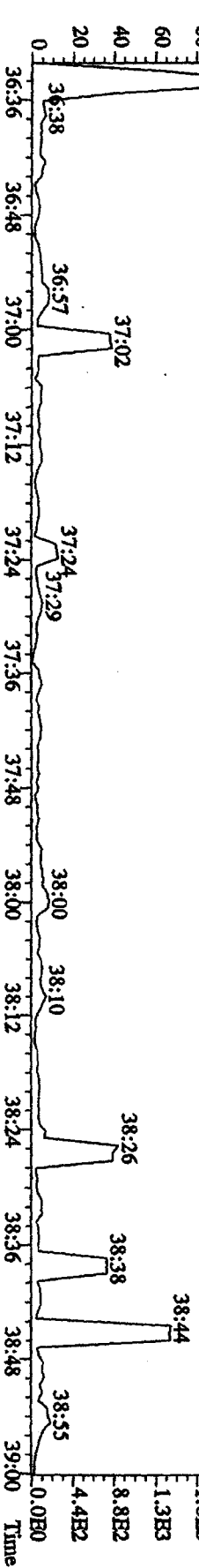
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1148,0,1.00%,F,T)



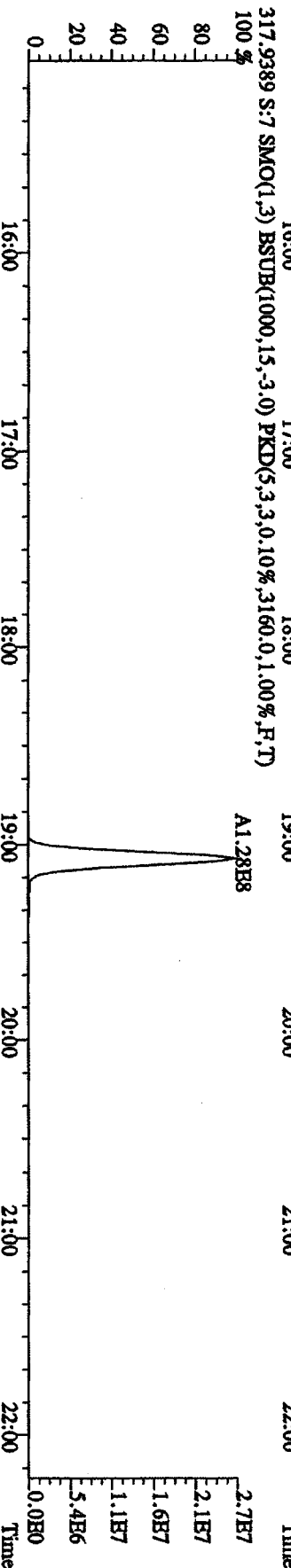
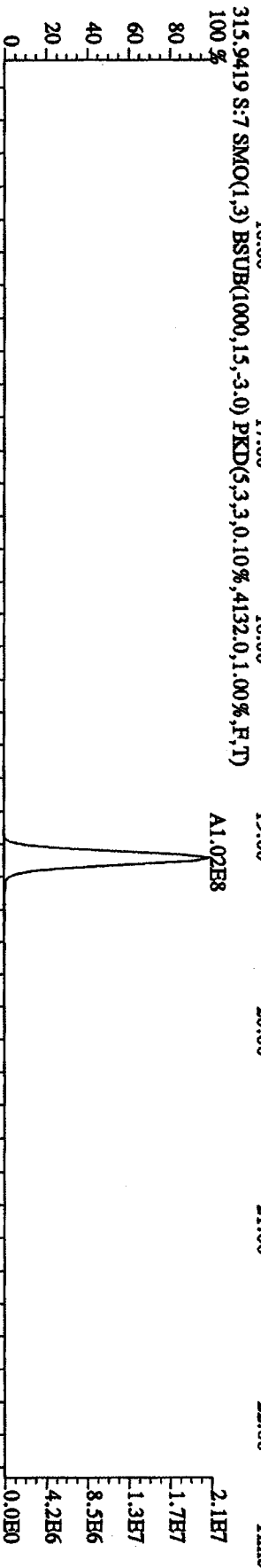
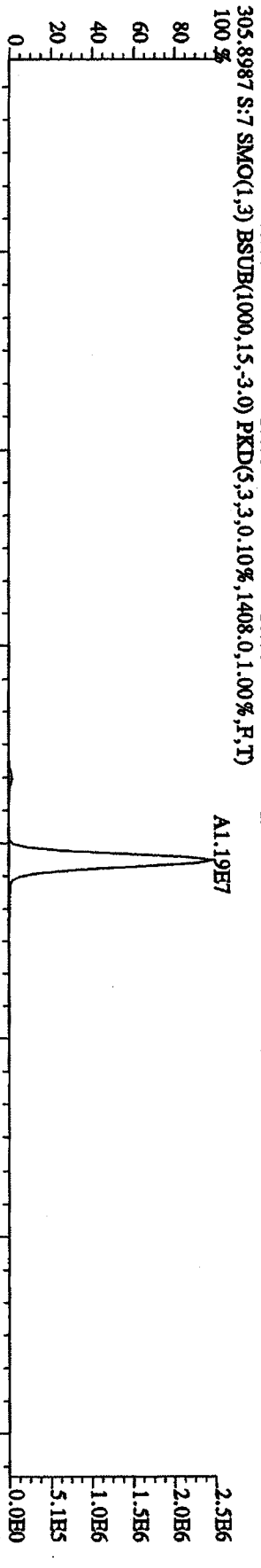
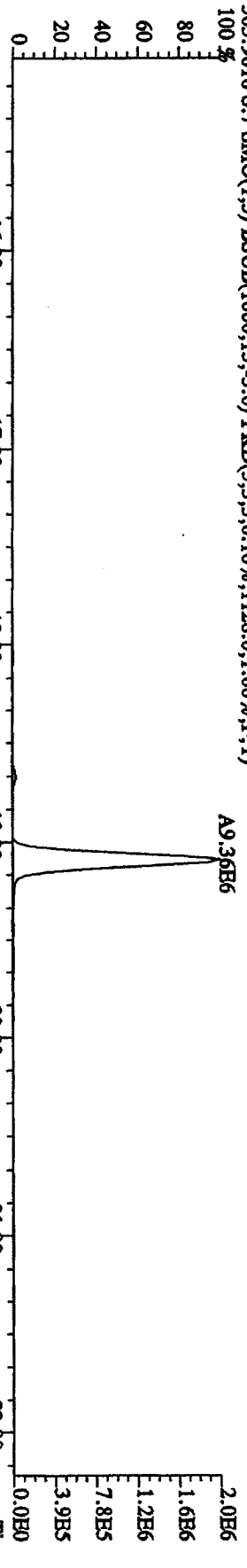
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1444,0,1.00%,F,T)



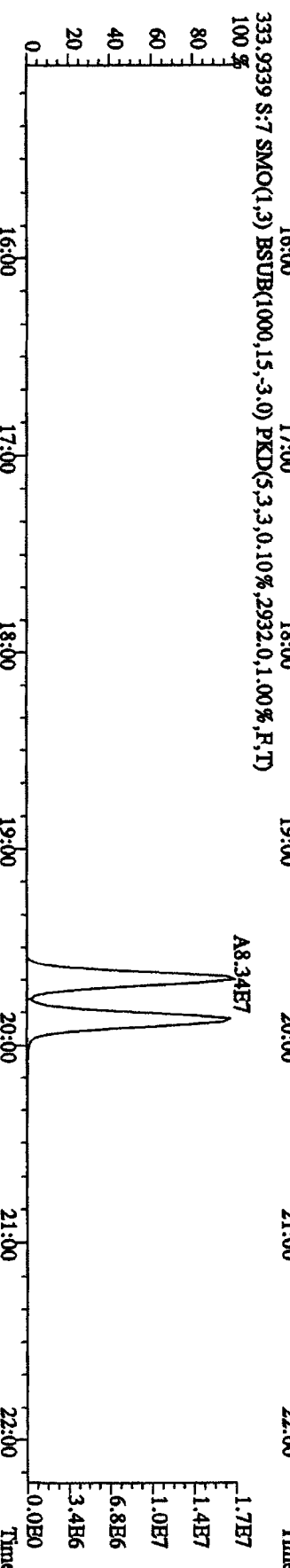
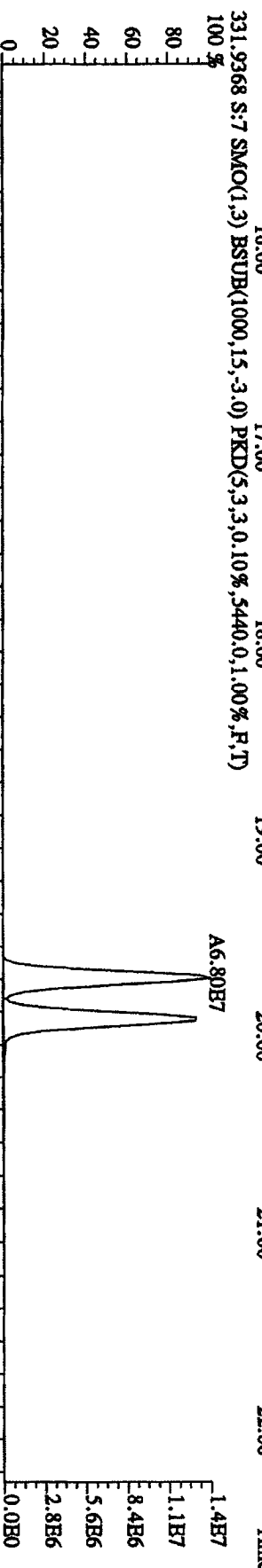
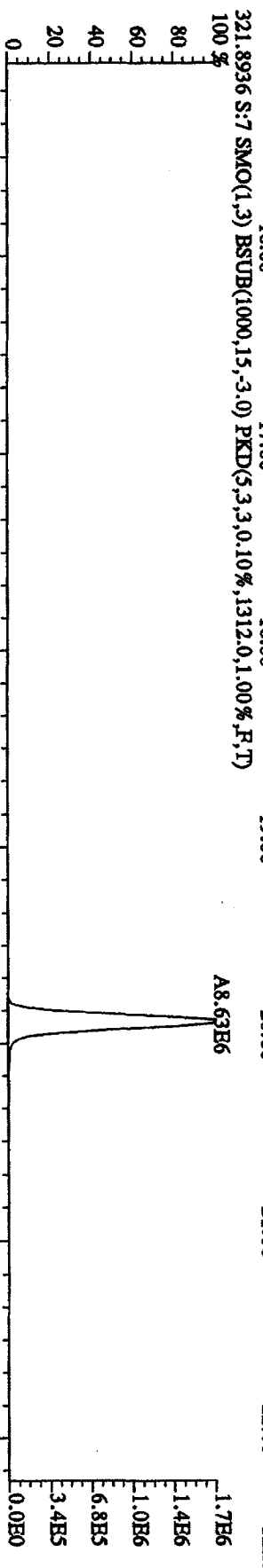
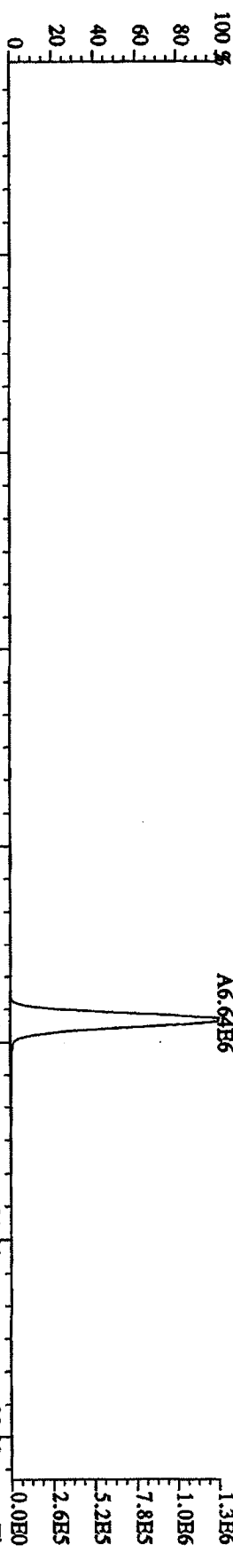
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100.00%,96,0,1.00%,F,T)



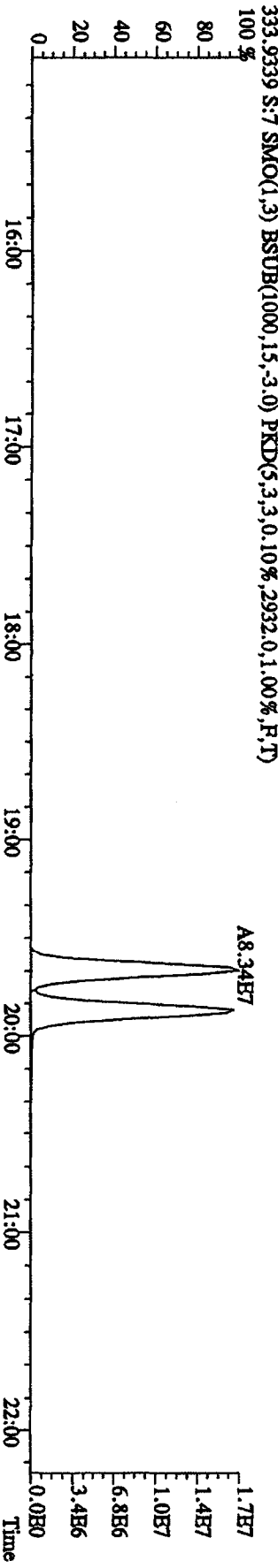
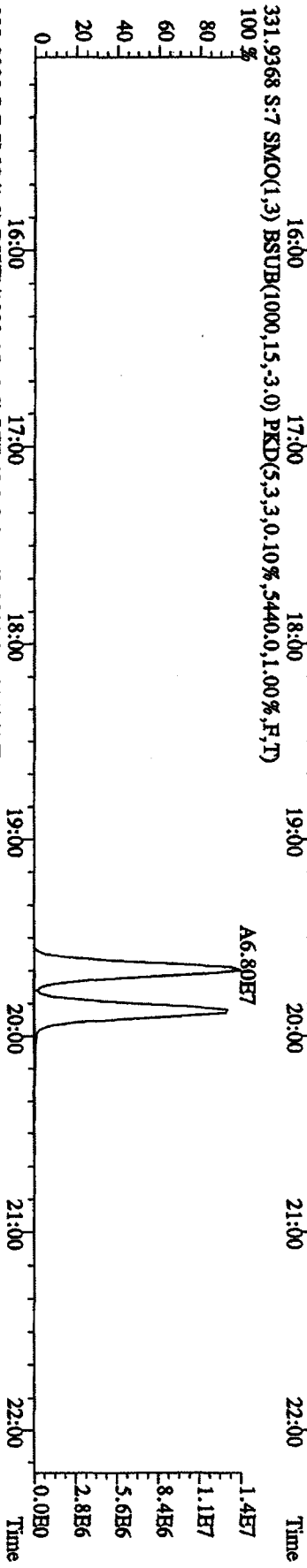
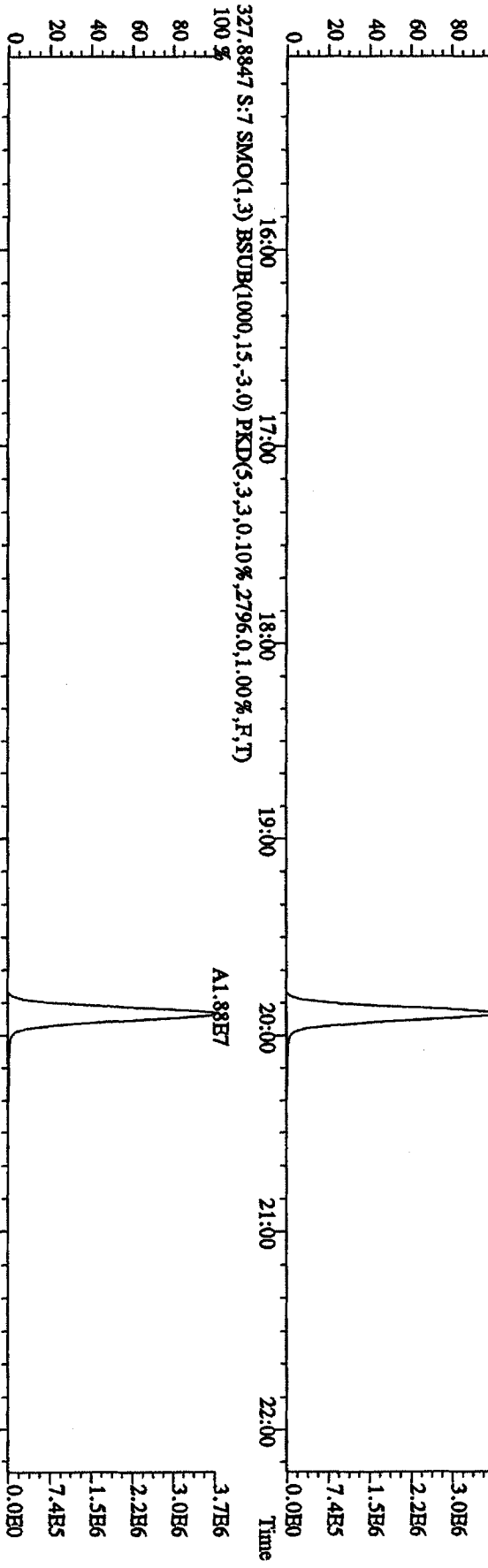
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC HI+ Voltage:50V S/R Autospec-UltimaB
 Sample#7 Text:ST0412E 2nd Source 09DXN449 Exp:DIOXINRES8290A
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1128,0,1,00%,F,T)



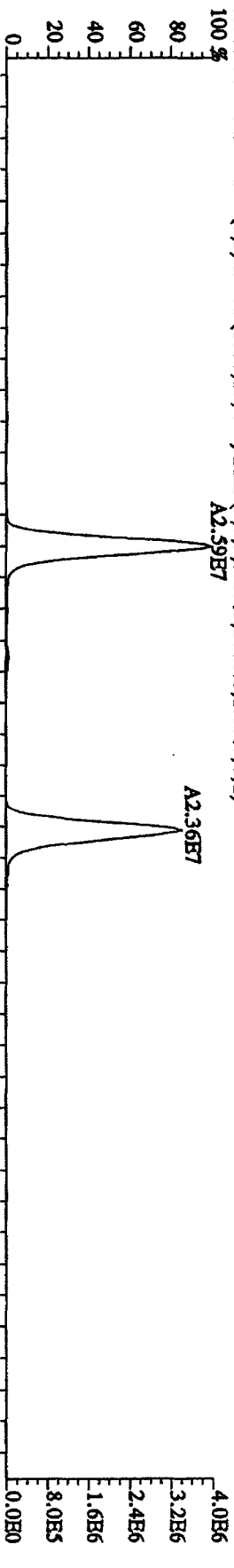
File: 12AP104D5 #1-435 Acq: 12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: ST0412B : 2nd Source 09DXN449 Exp: DIOXINRES8290A
 319.8965 S: 7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1.228,0,1,1.00%,F,T)



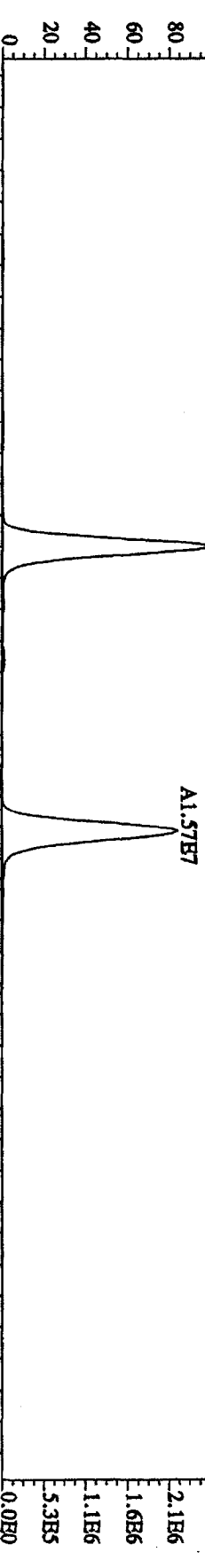
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-UltimatB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp.:DIOXINRES8290A
 327.8847 S:7 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,.2796,0.1,0.0%,F,T)
 100%



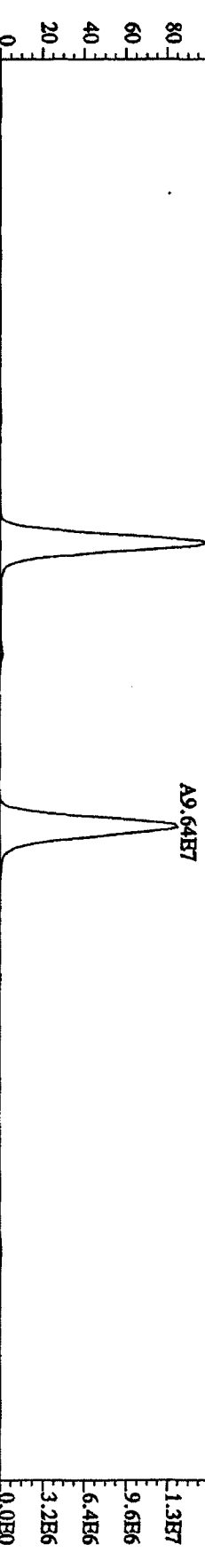
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2008,0,1,00%,F,T)
 100%



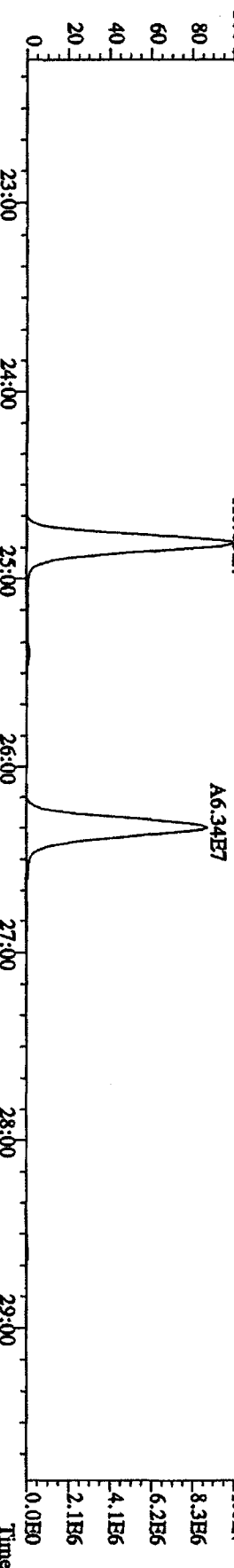
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1500,0,1,00%,F,T)
 100%



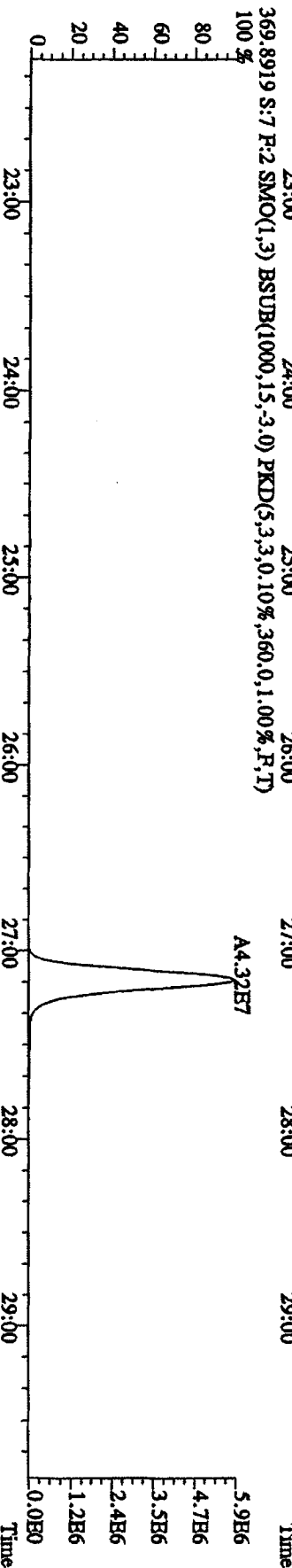
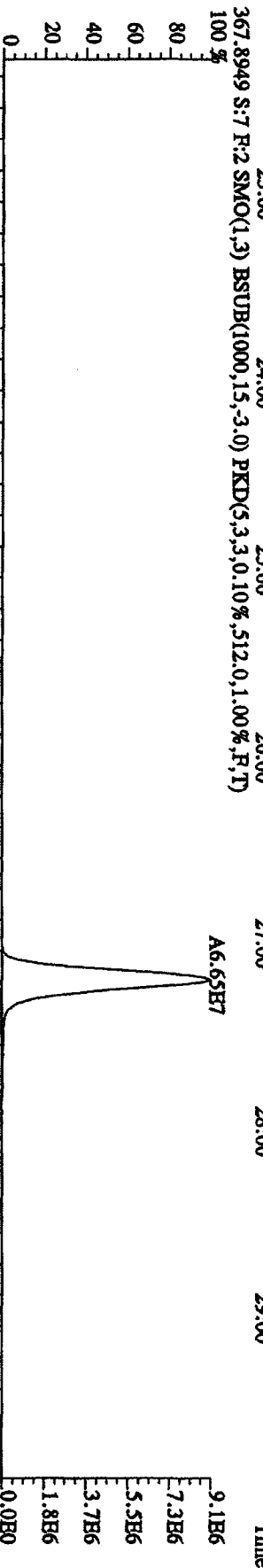
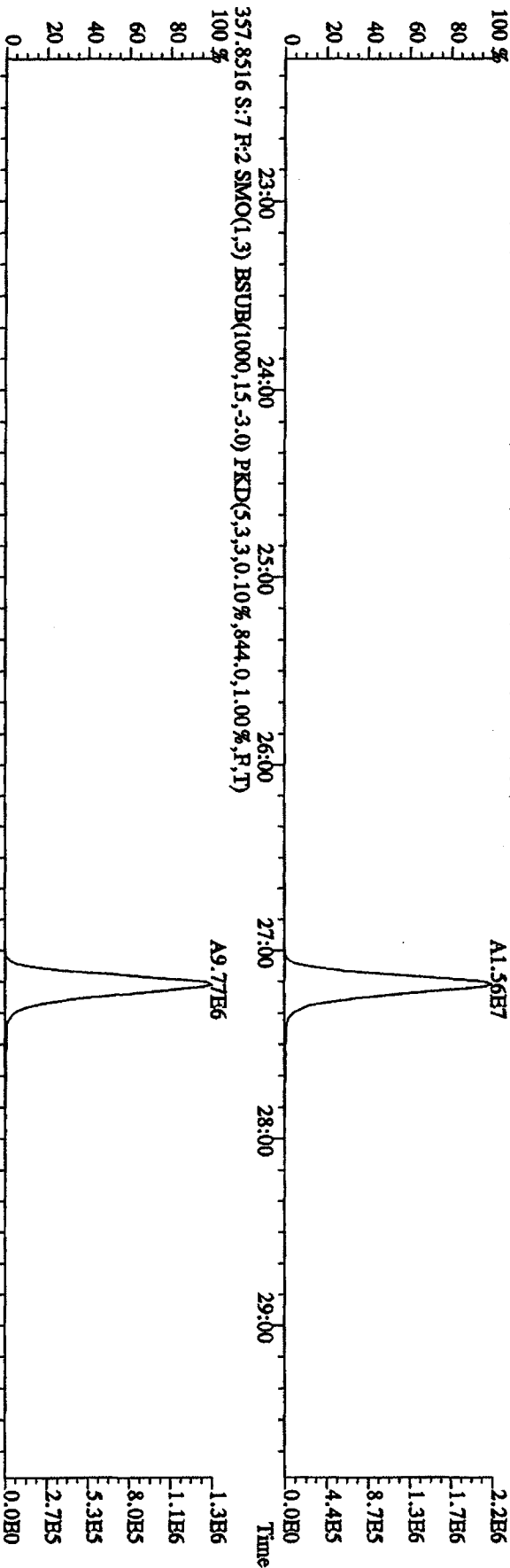
351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2332,0,1,00%,F,T)
 100%



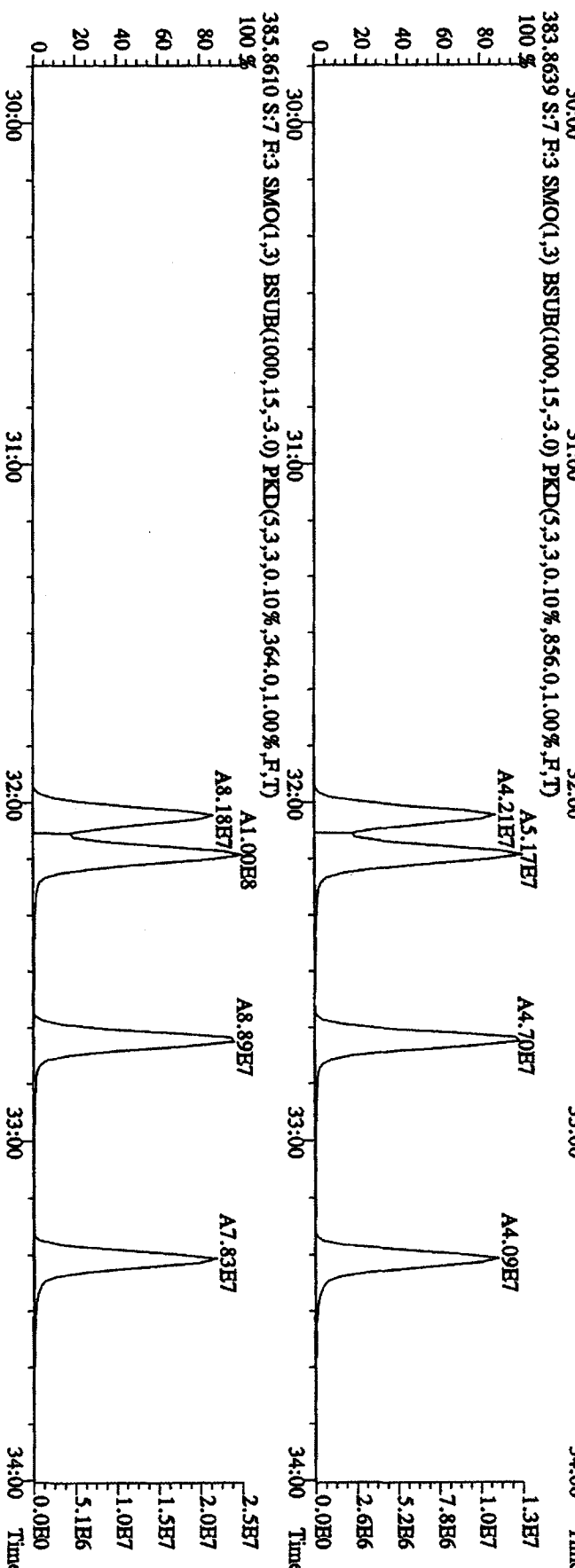
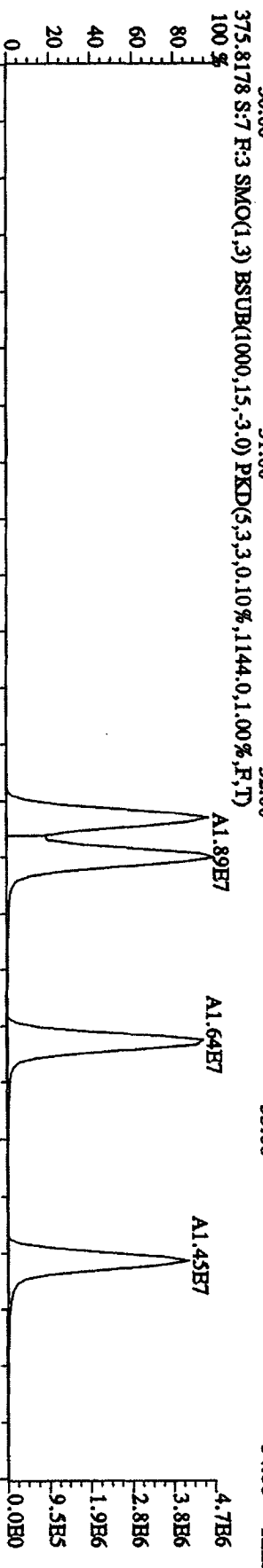
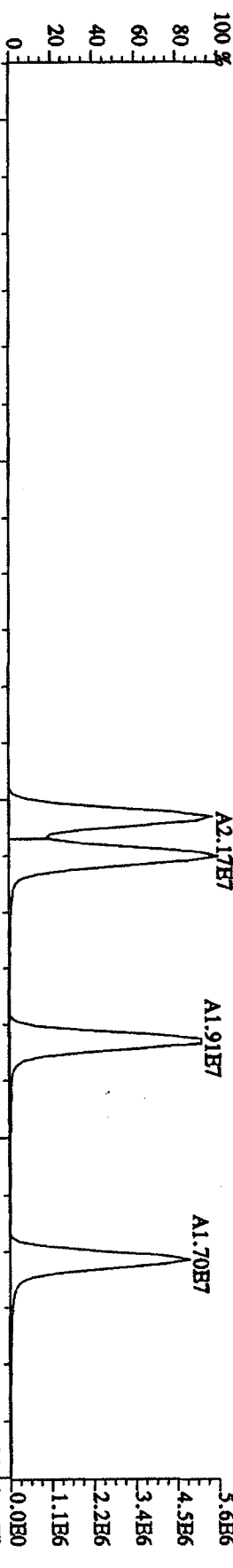
353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2860,0,1,00%,F,T)
 100%



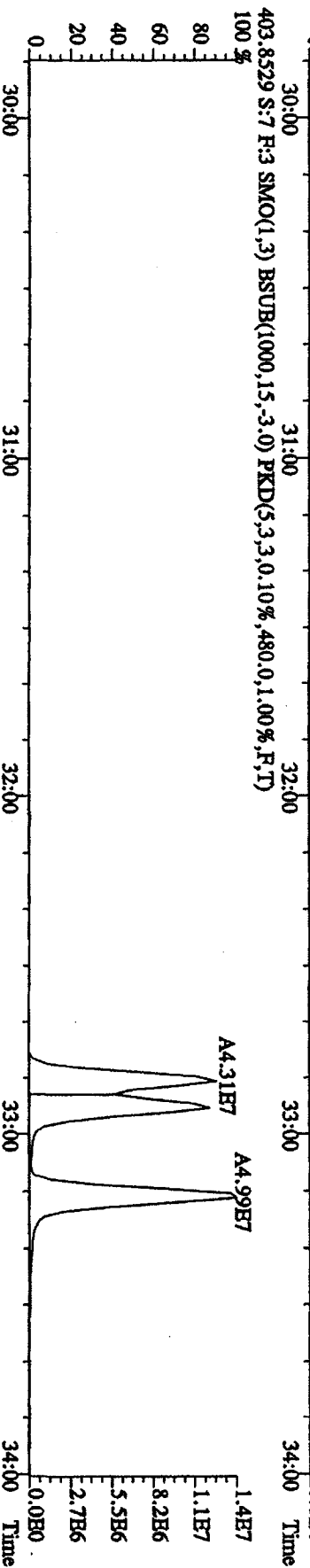
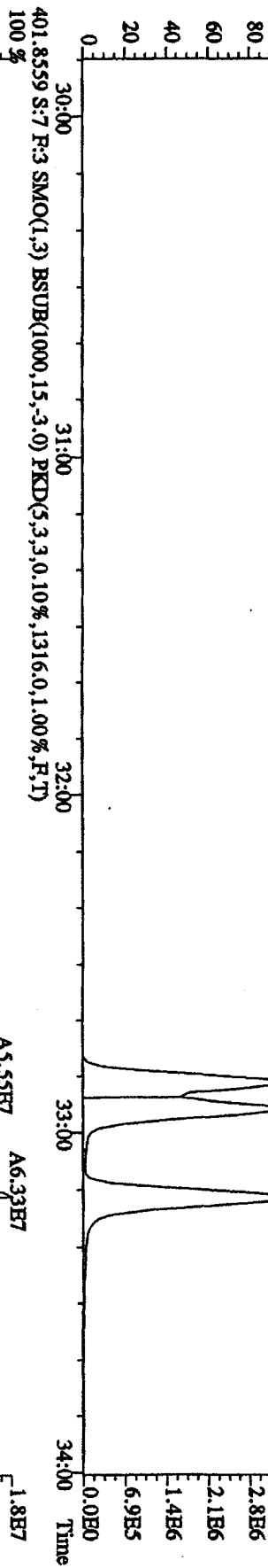
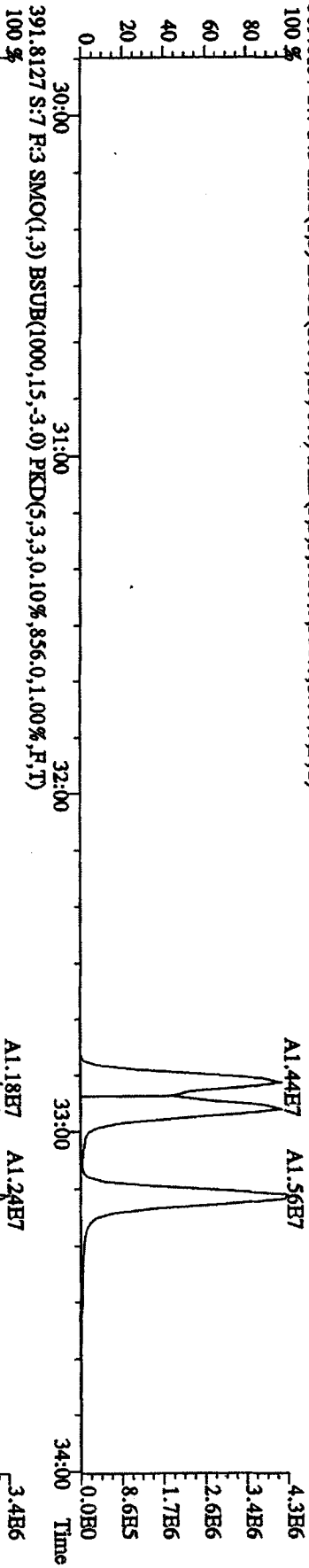
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 357.8516 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,844,0,1.00%,F,T)
 100 %



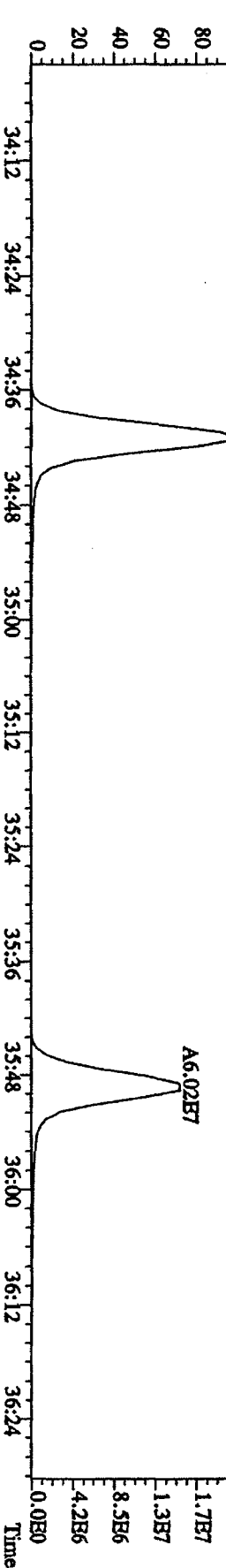
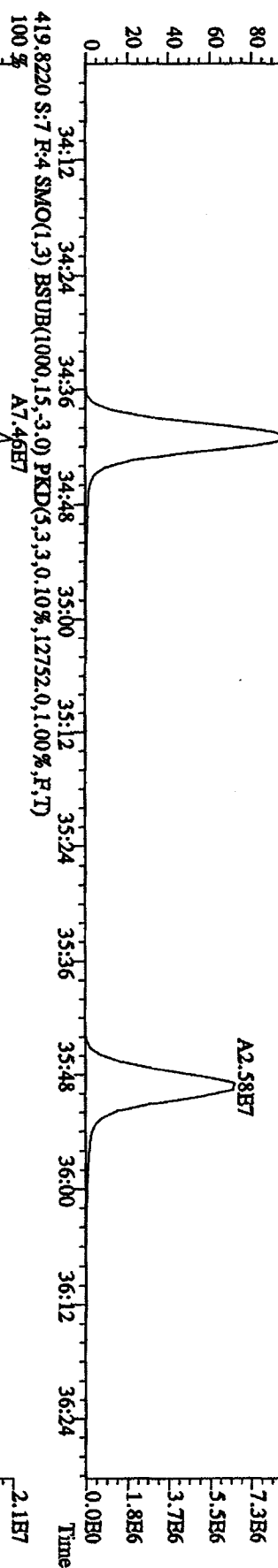
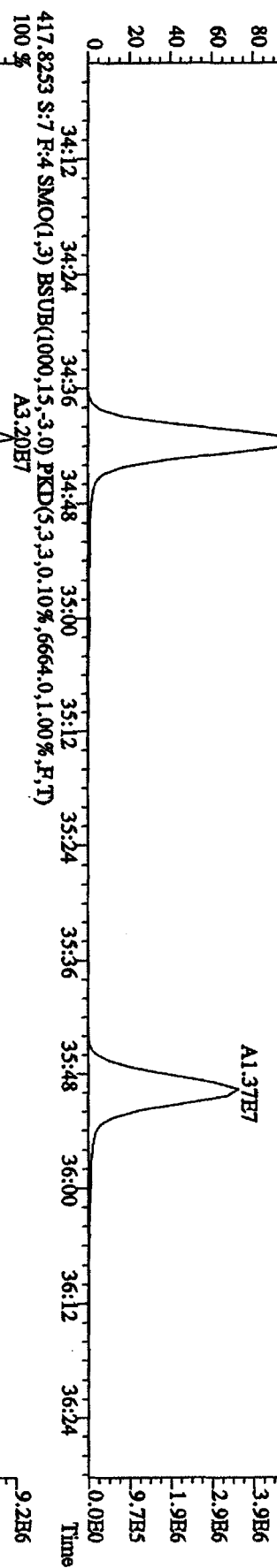
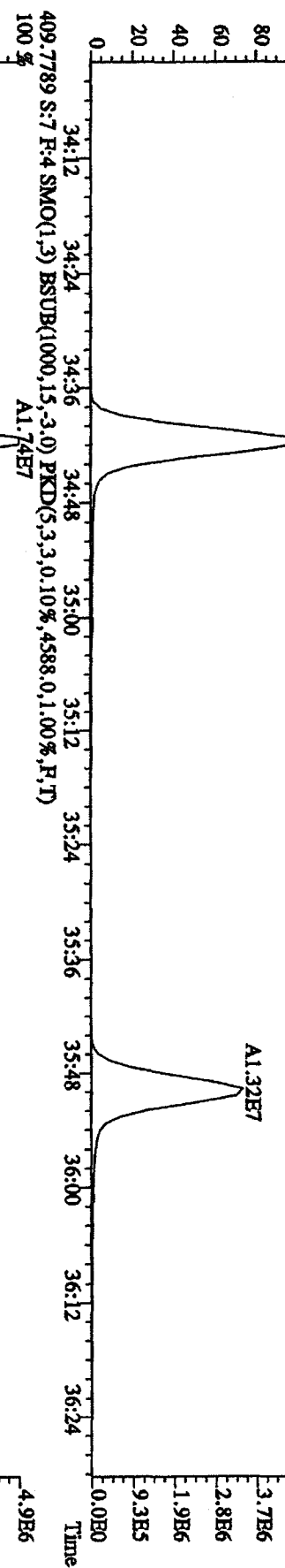
File: 12AP104D5 #1-317 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#7 Text: ST0412B : 2nd Source 09DXN449 Exp: DIOXINRES8290A
 375.8178 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1144,0,1.00%,F,T)



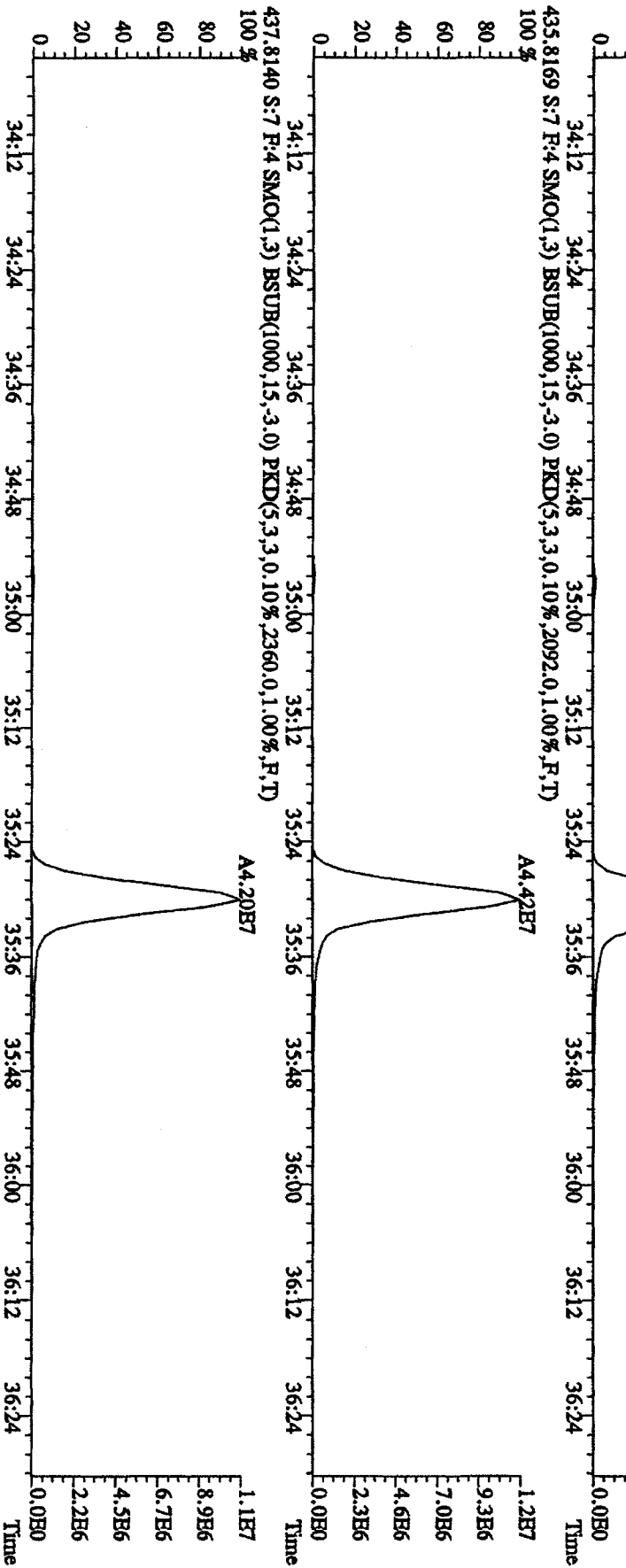
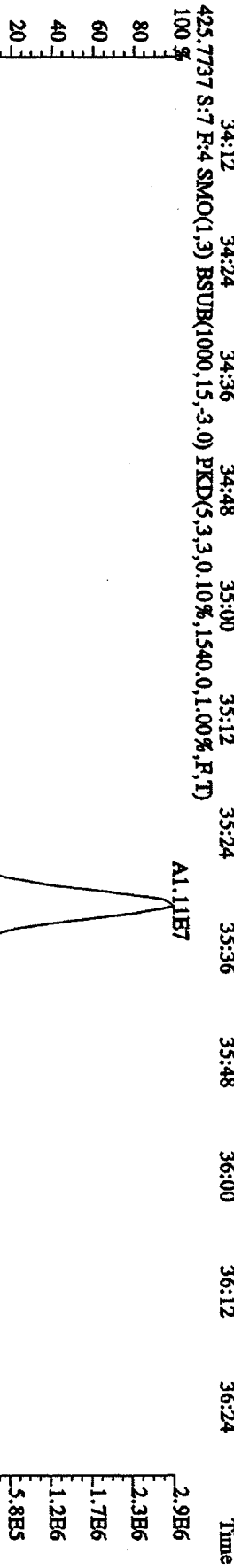
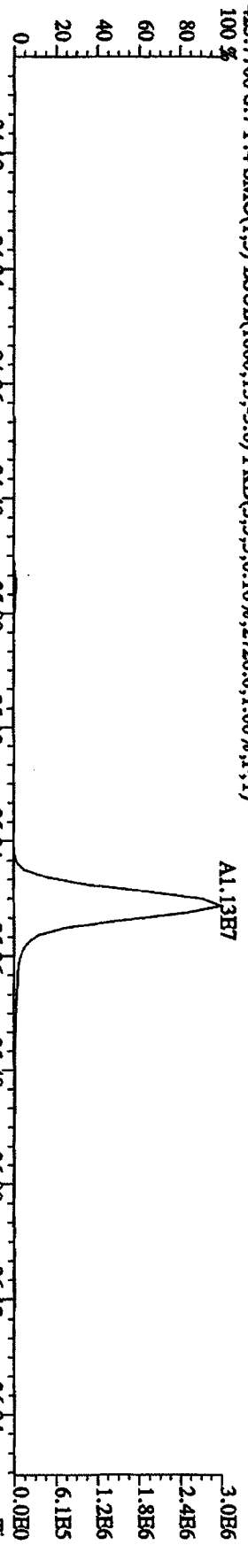
File: 12AP104D5 #1-317 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#7 Text: ST0412B 2nd Source 09DXN449 Exp: DIOXINRES8290A
 389.8157 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,936.0,1.00%,F,T)



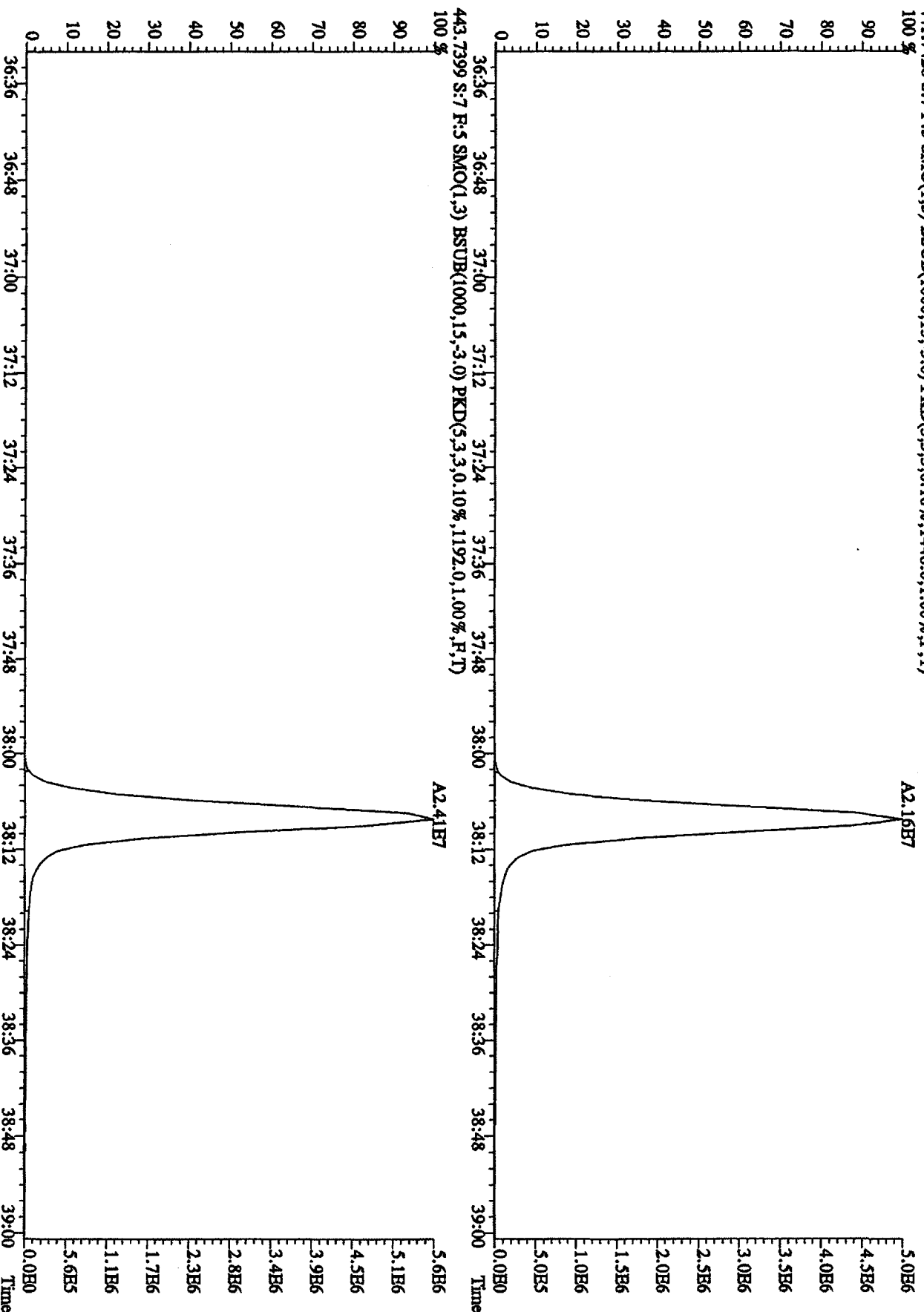
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC HI + Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6164,0,1,00%,F,T)
 100%



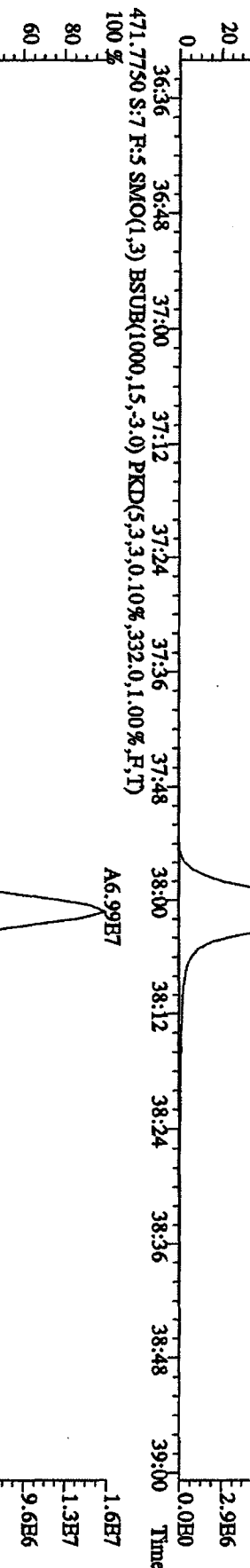
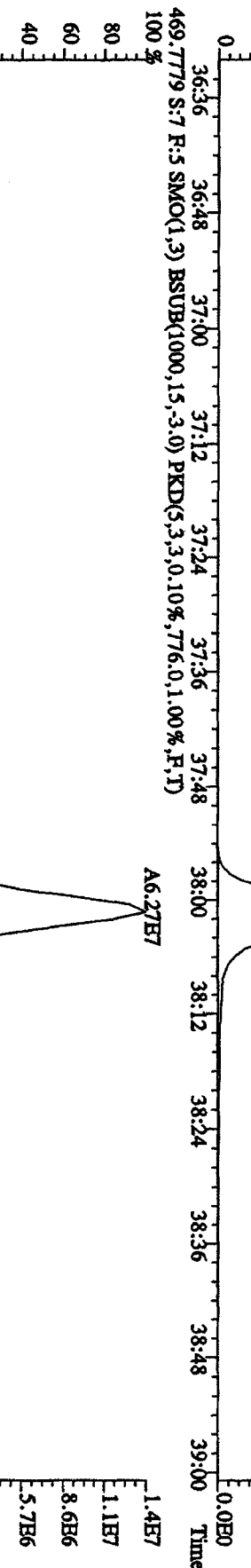
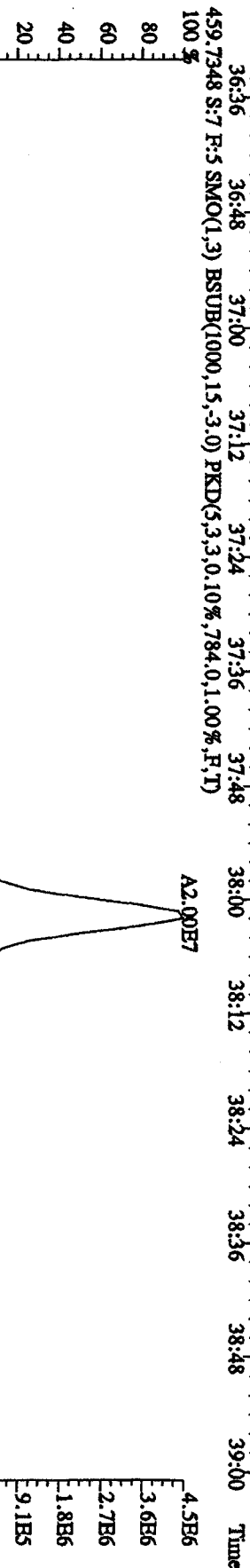
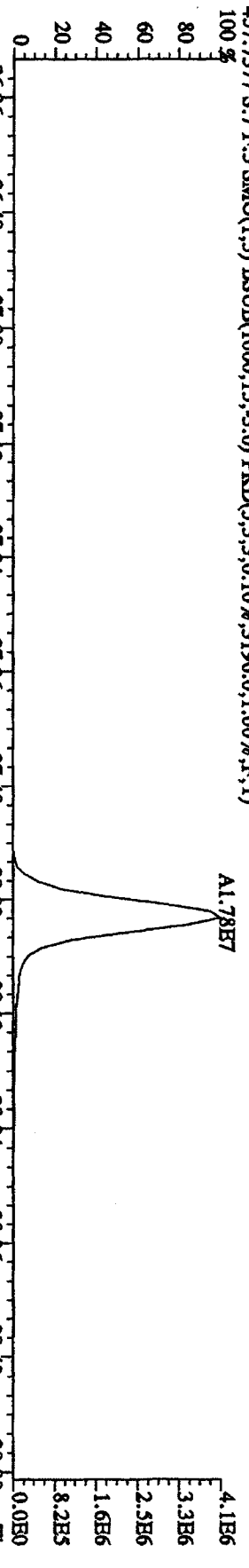
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2720.0,1.00%,F,T)



File:12ADP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC RI + 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) PKD(5,3,3,0,10%,1448,0,1,00%,F,T)

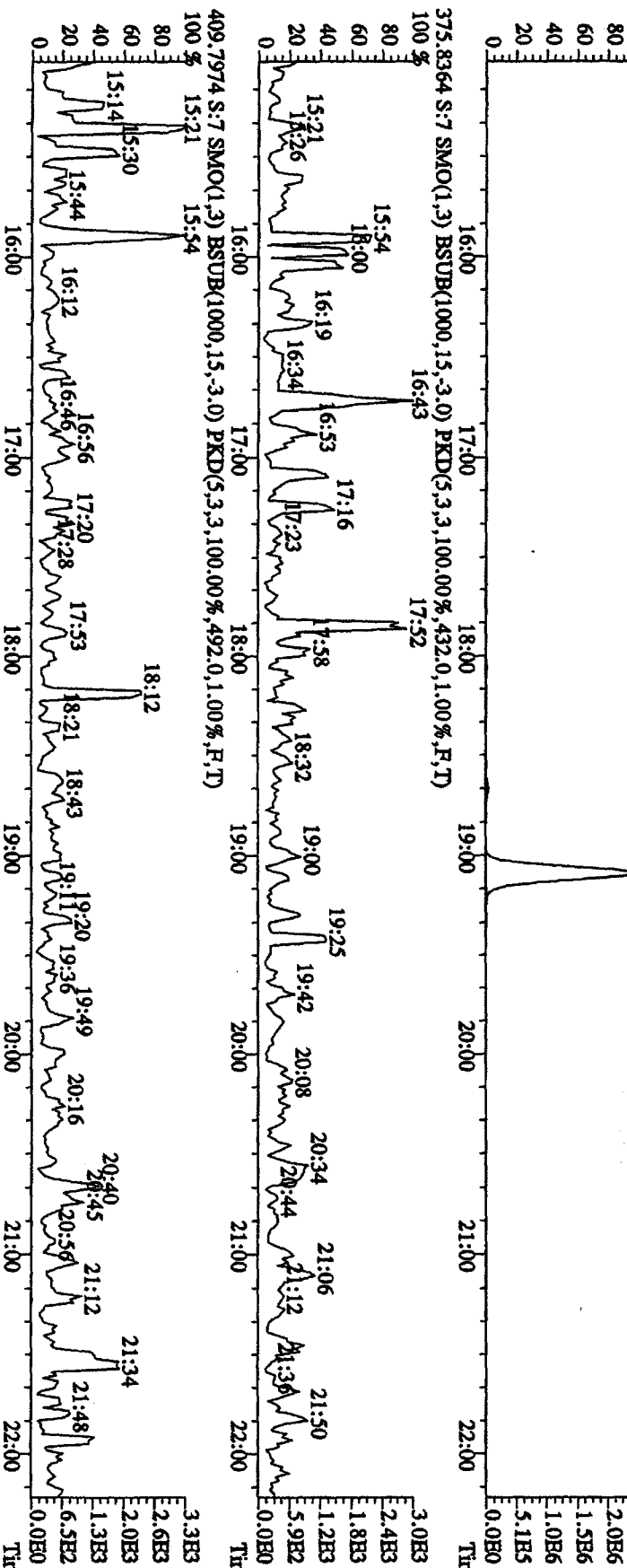
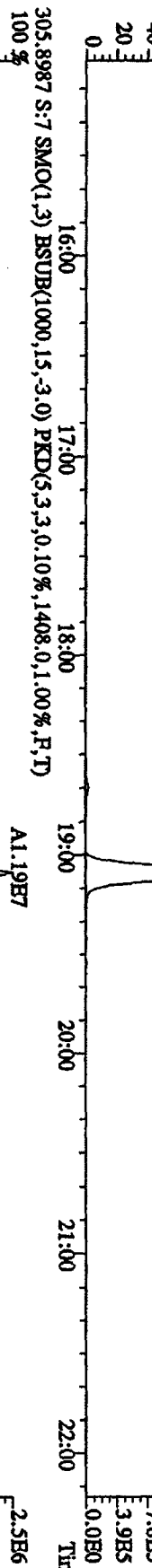
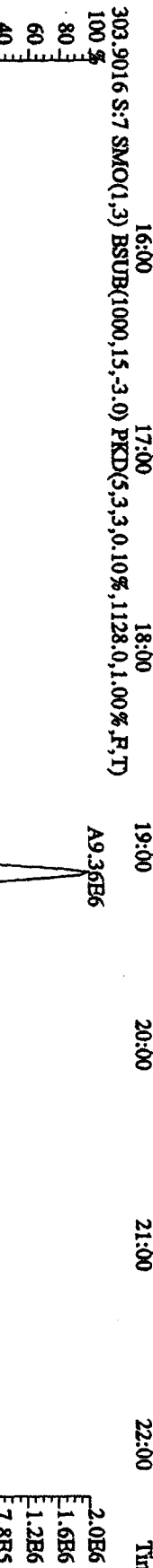


File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp.:DIOXINRES8290A
 457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)
 100 %

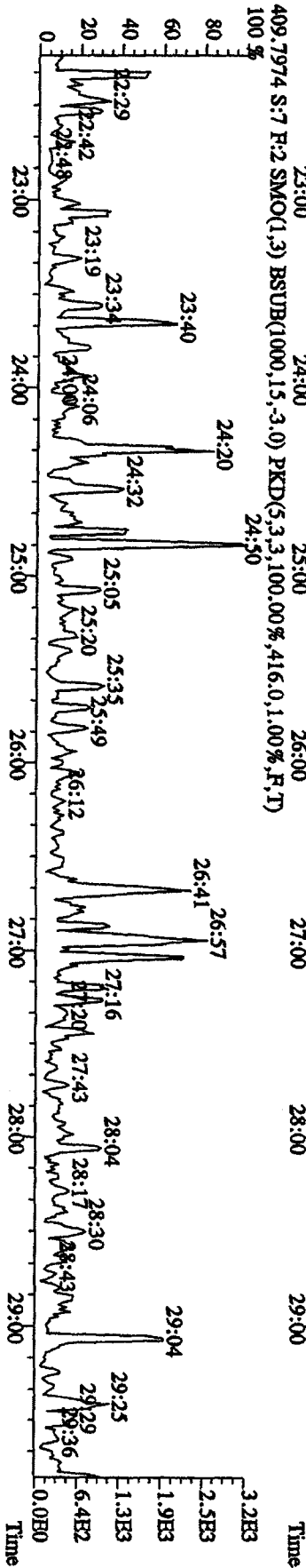
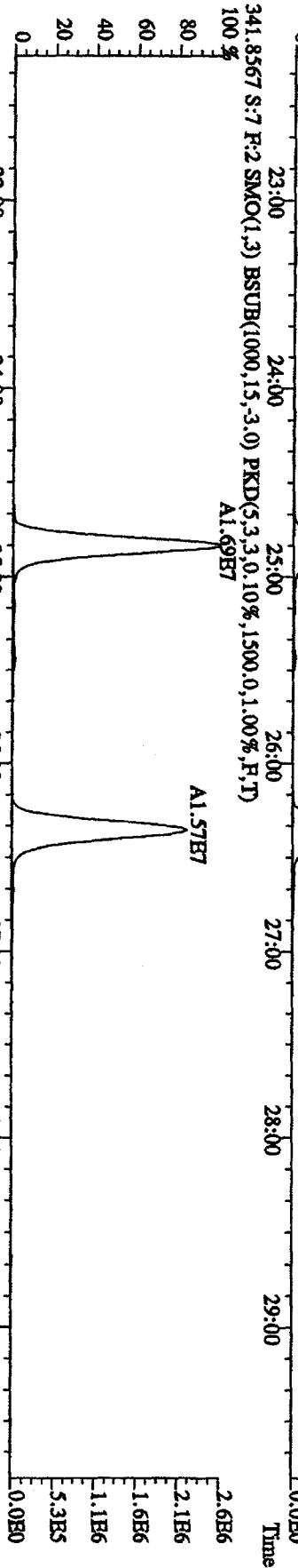
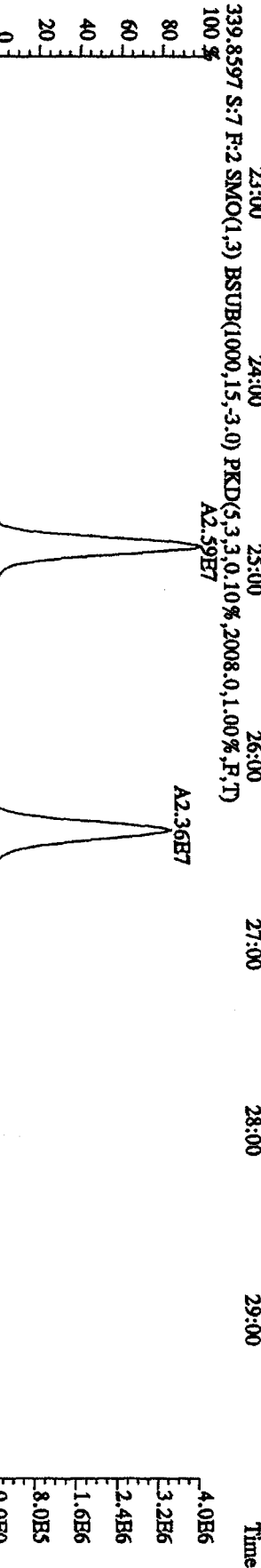
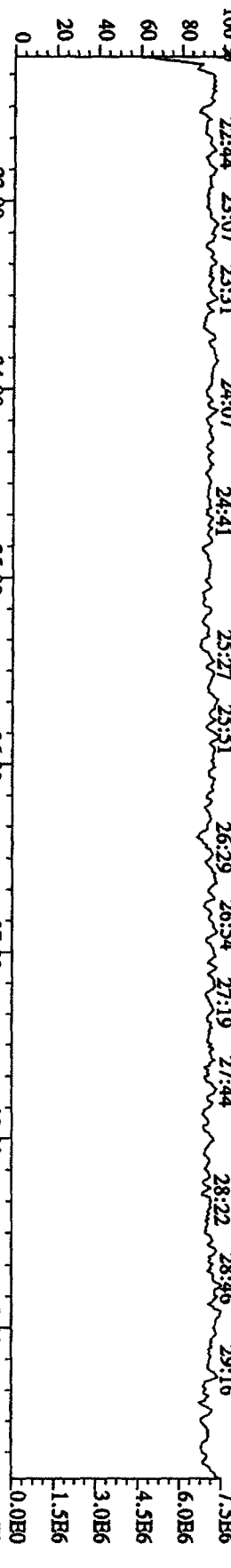


File: 12AP104D5 #1-435 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-Ultimate

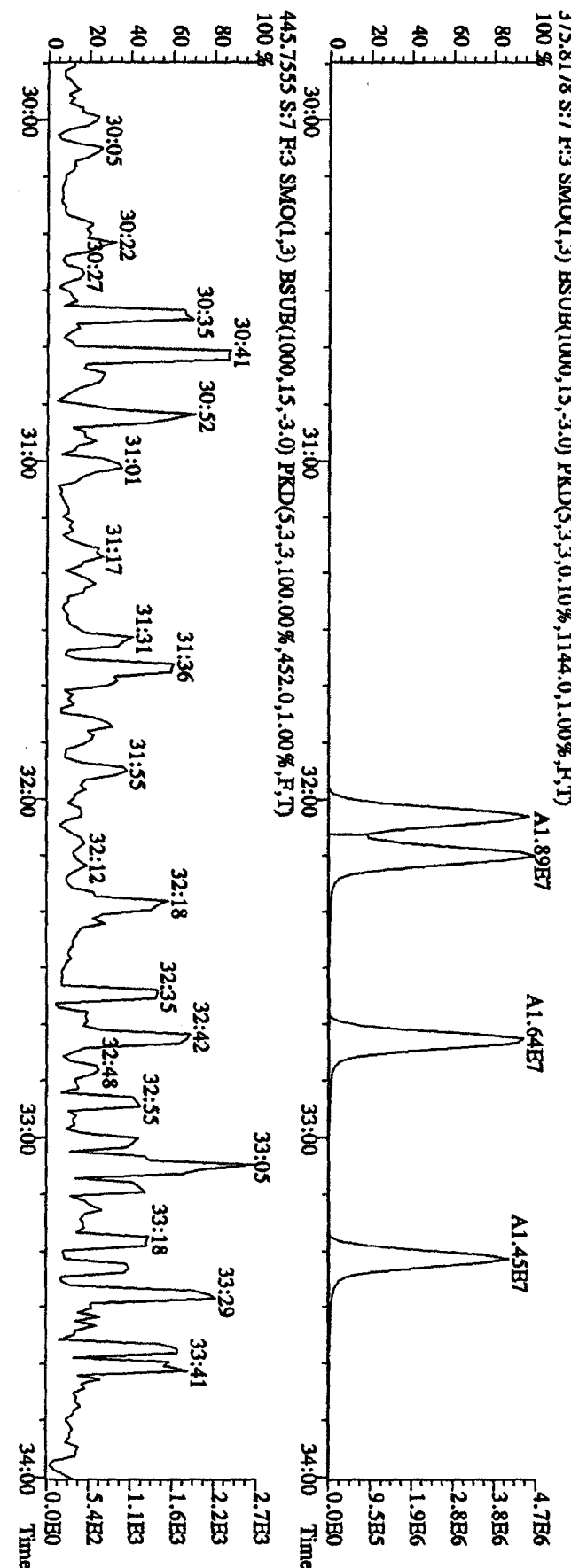
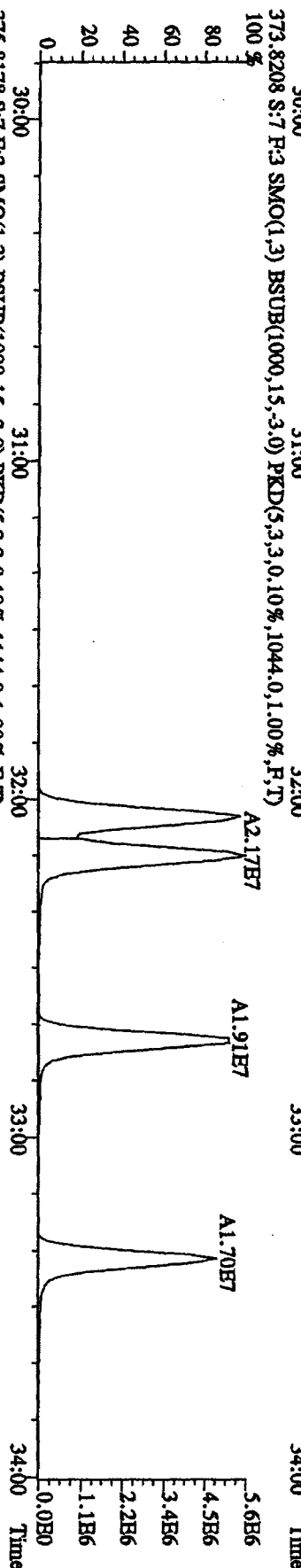
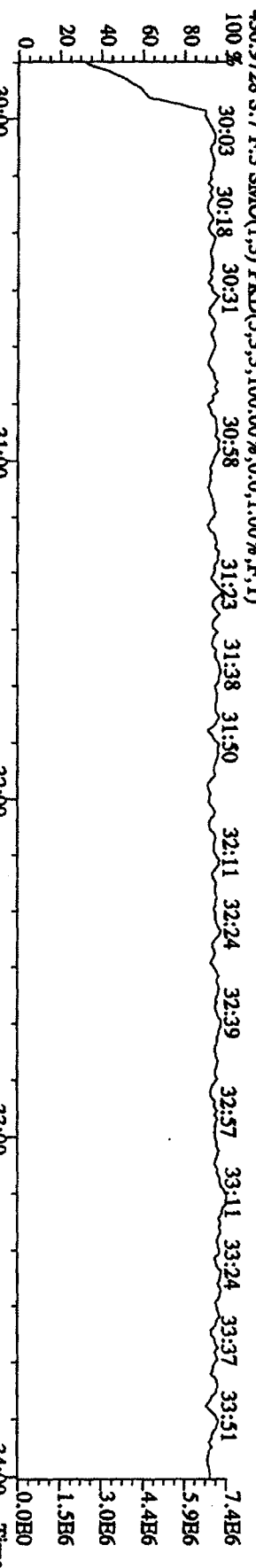
Sample#7 TextST0412E : 2nd Source 09DXNK449 Exp: DIOXINRES8290A



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)
 100% 22:44 23:07 23:31 24:07 24:41 25:27 25:51 26:29 26:54 27:19 27:44 28:22 28:46 29:16



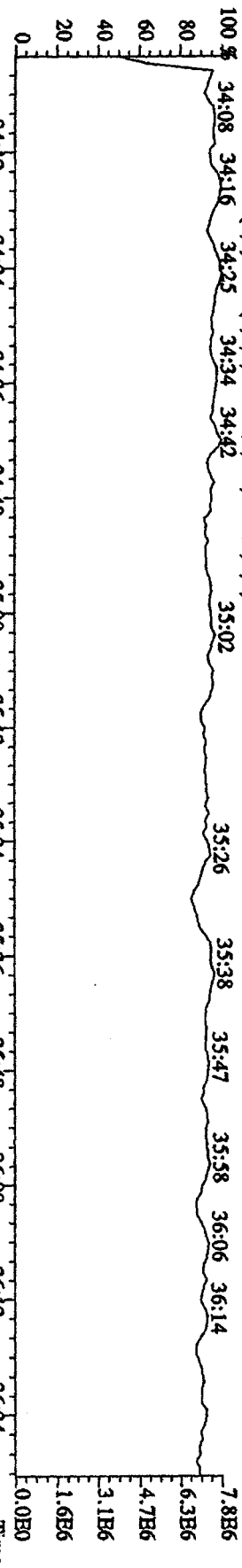
File: 12AP104D5 #1-317 Acq: 12-APR-2010 13:00:53 GC BI + Voltage SIR Autospec-UltimaB
 Sample#7 Text: ST0412B 2nd Source 09DXM449 Exp: DIOXINRBS8290A



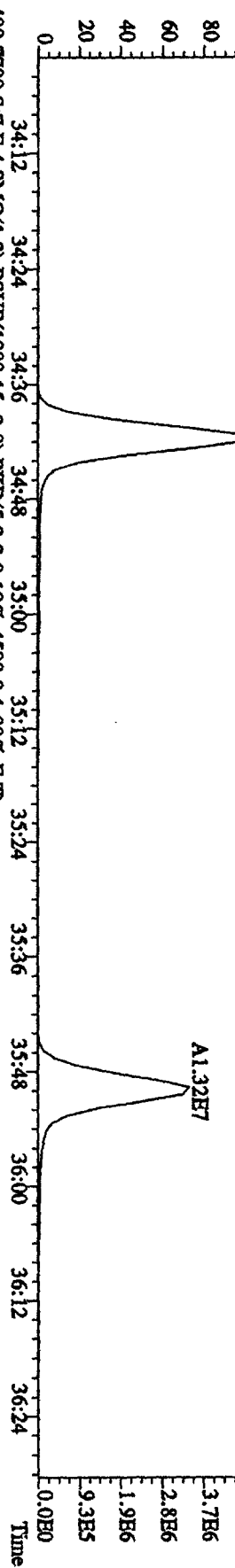
File:12AD104D5 #1-198 Acq:12-APR-2010 13:00:53 GC III+ Voltage SFR Autospec-Ultimate

Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A

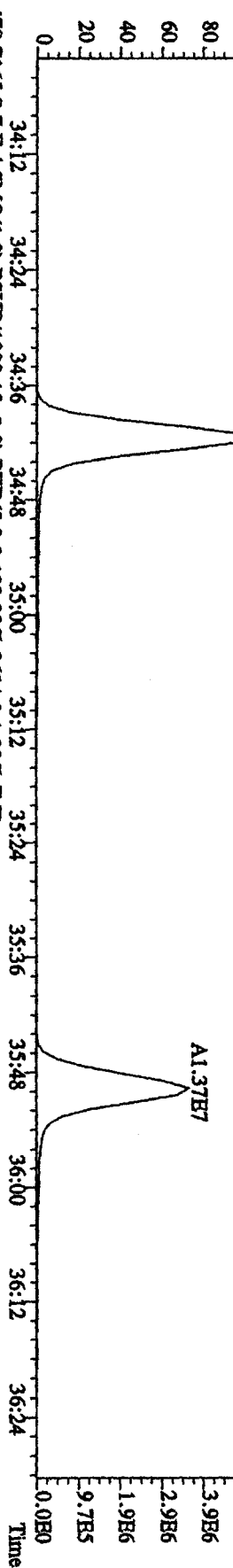
430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



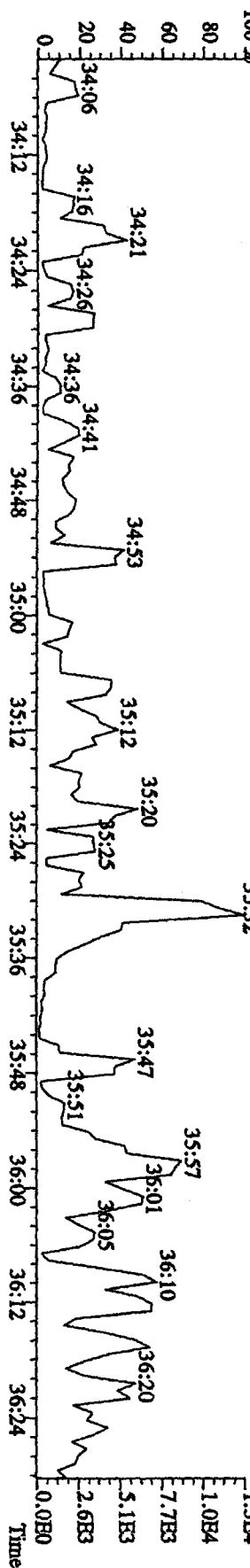
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6164.0,1.00%,F,T)



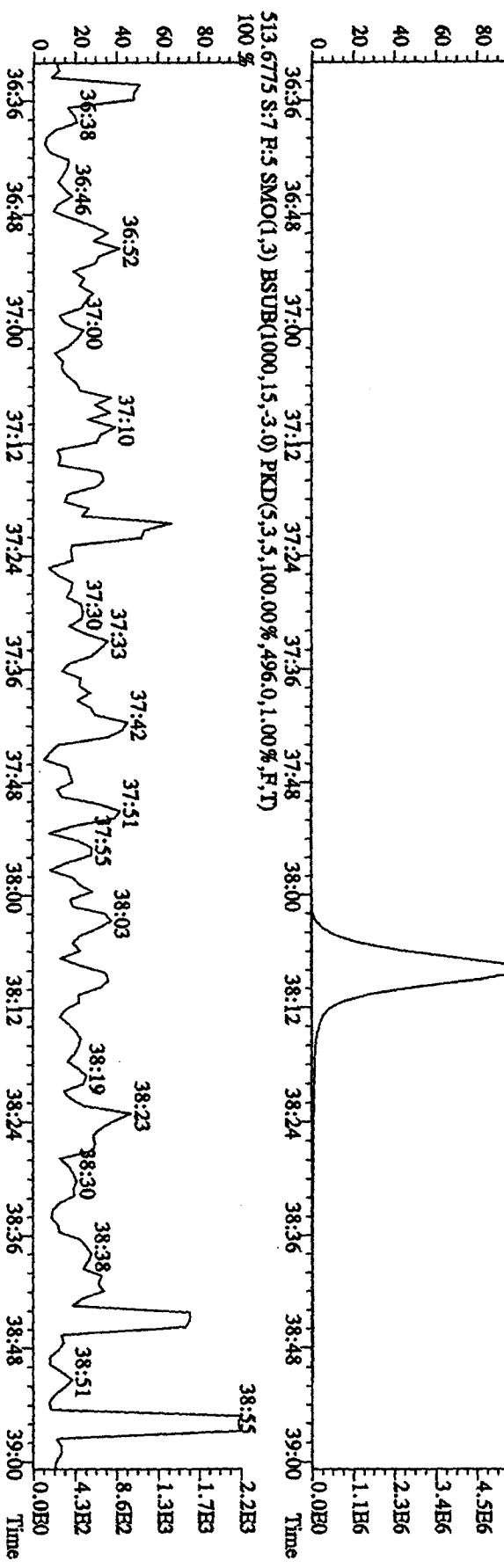
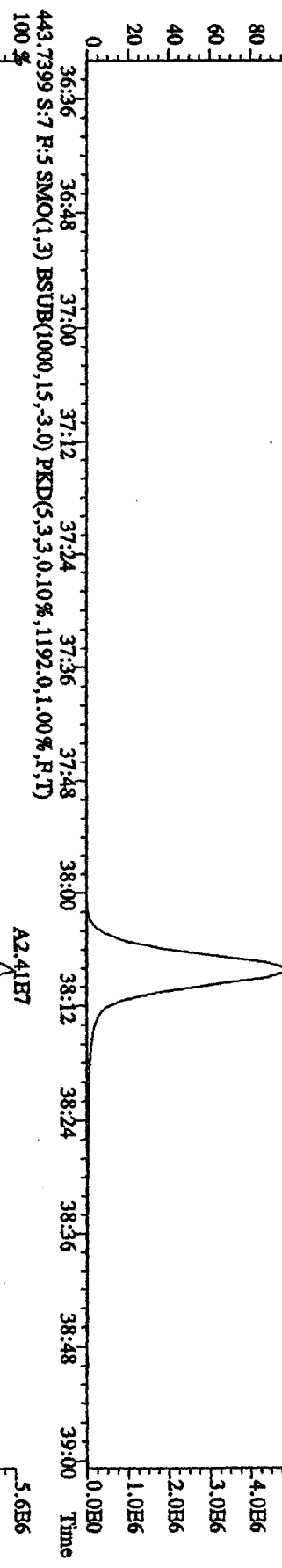
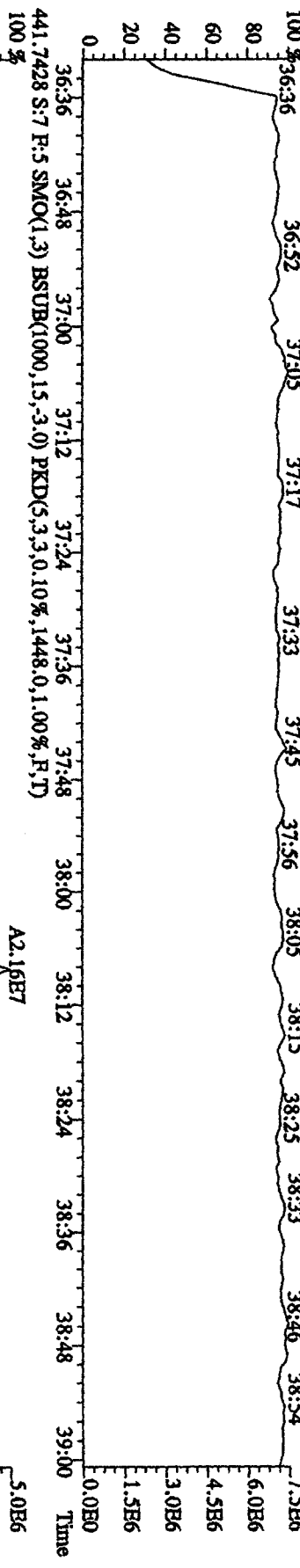
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4588.0,1.00%,F,T)



479.7165 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2624.0,1.00%,F,T)



File: 12AP104D5 #1-191 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-Ultimat
 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



Initial Calibration Checklist
Dioxin Methods

ICAL ID (DB225, ^{A/R}DB225) 0421105D2

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 M/G 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: 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

21AP105D2 21AP105D2 21AP105D2 21AP105D2 21AP105D2
 S14 S13 S12 S16 S15

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 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
37C1-2,3,7,8-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
37C1-2,3,7,8-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:

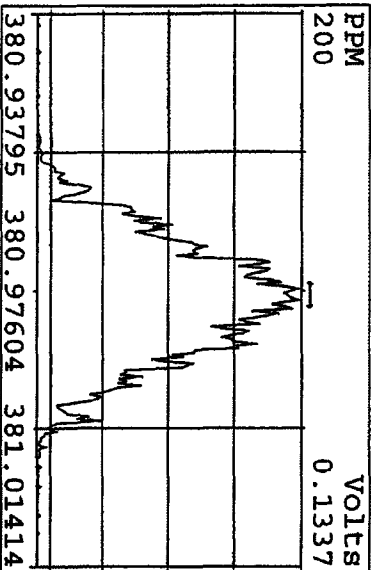
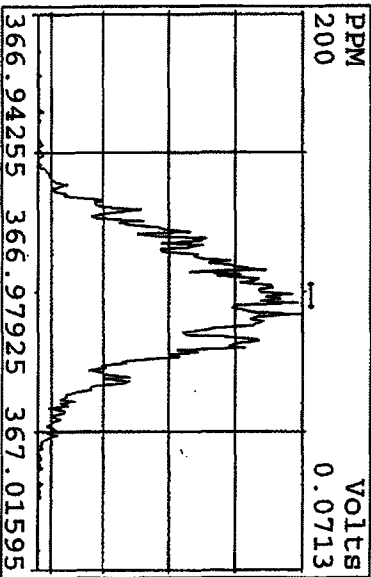
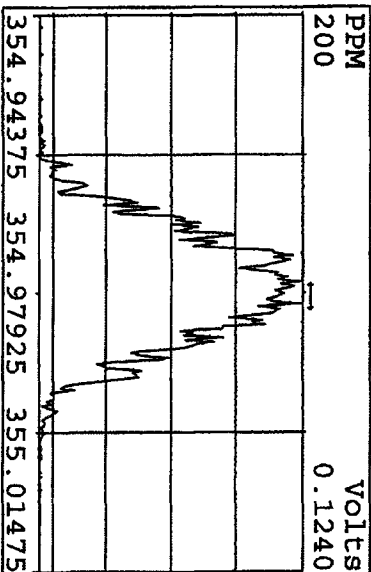
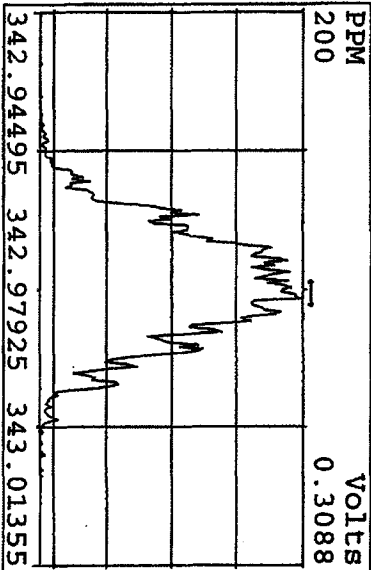
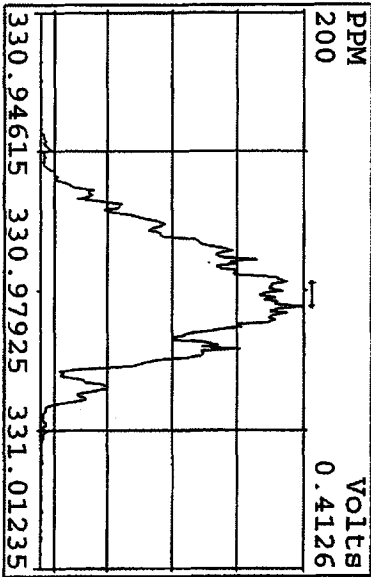
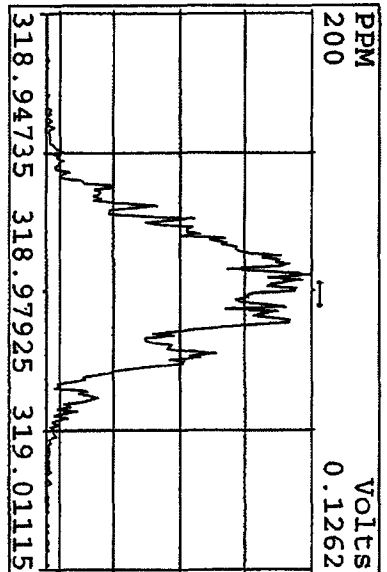
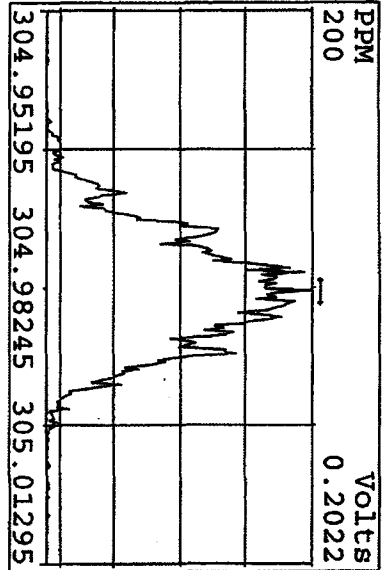
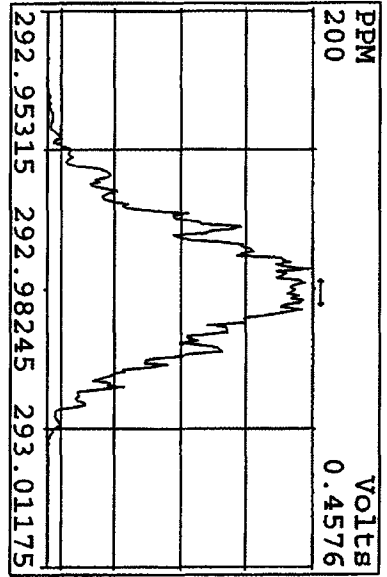
Sample text: ST0421J :CS5 09DXN456

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

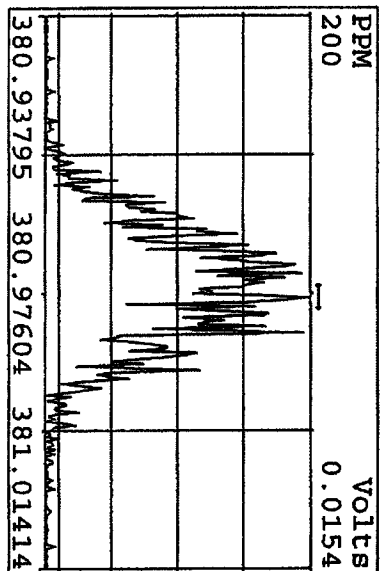
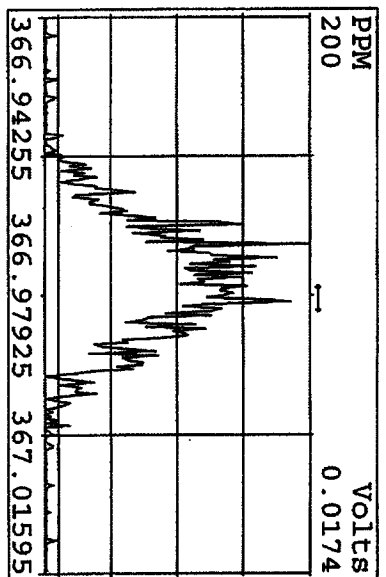
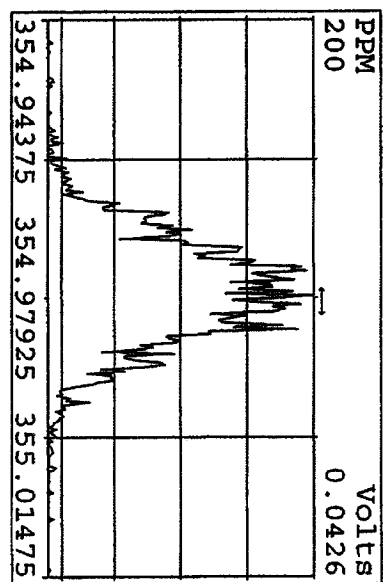
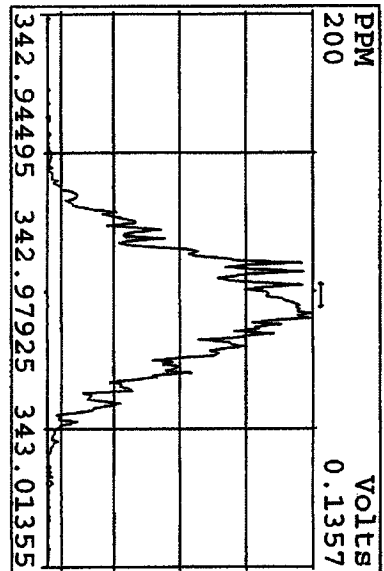
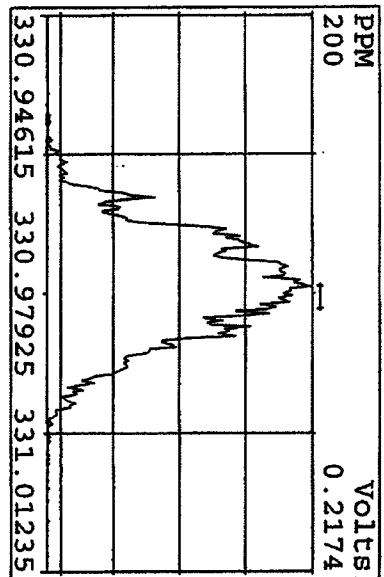
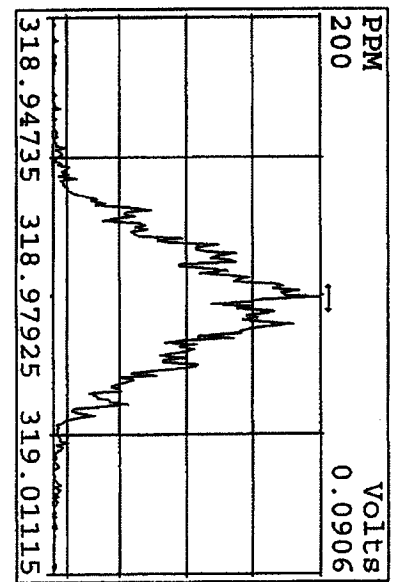
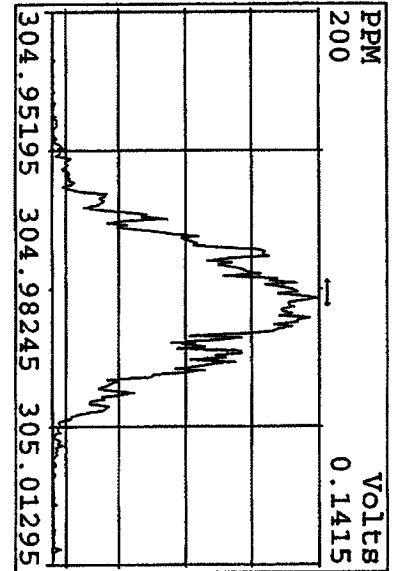
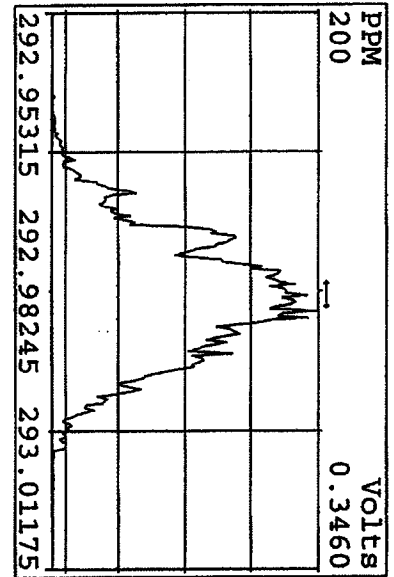
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21AP105D2	1	ST0421	CS3 10DXN111				1.000	
21AP105D2	2	CP0421	DB-225 CPSM 3732-06				1.000	
21AP105D2	3	SB0421	Solvent Blank C-14				1.000	
21AP105D2	4	LXTRR-1-AC	A0D120411-1	20	8290/SOLID	70	10.060 g	
21AP105D2	5	SB0421A	Solvent Blank 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	
21AP105D2	20						1.000	
21AP105D2	21		MG 04/21/10				1.000	

*log file checked
4-22-10
SMA*

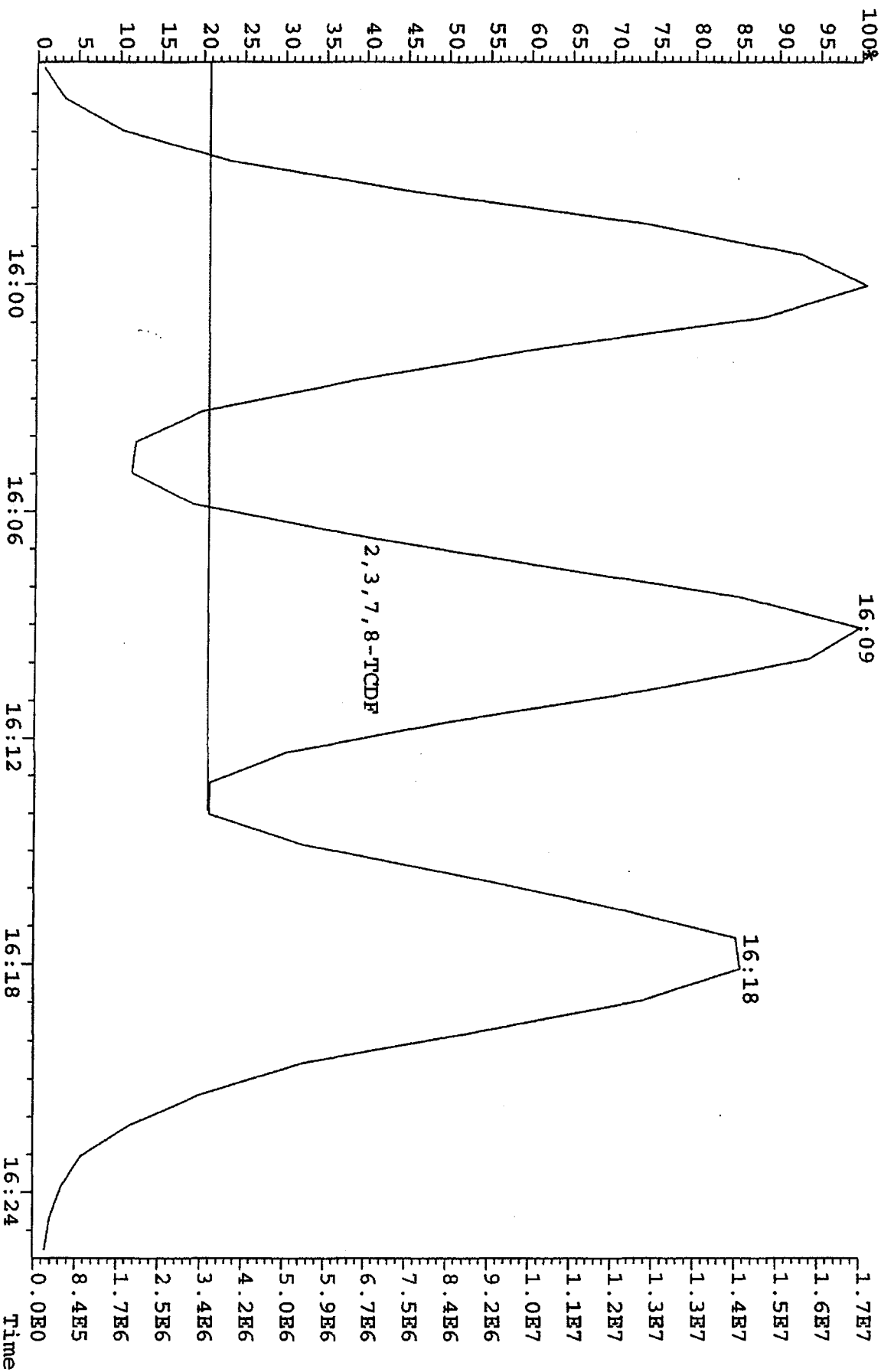
Peak Locate Examination: 21-APR-2010: 10:08 File: 21AP105D2
 Experiment: DIOXIN Function: 1 Reference: PFK



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



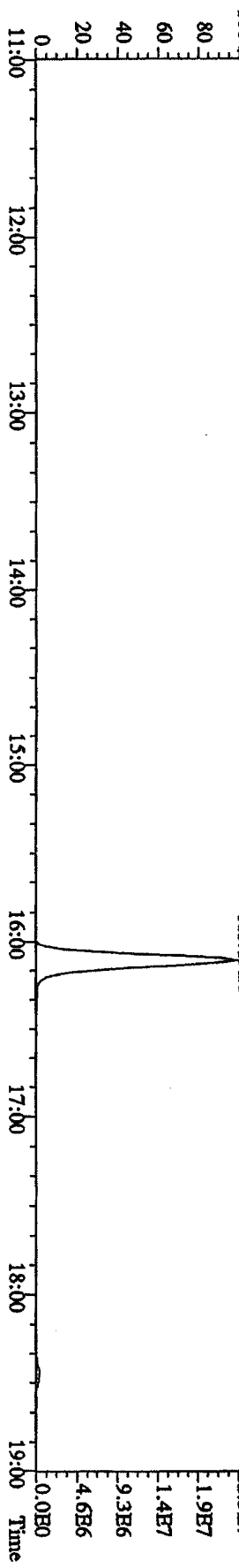
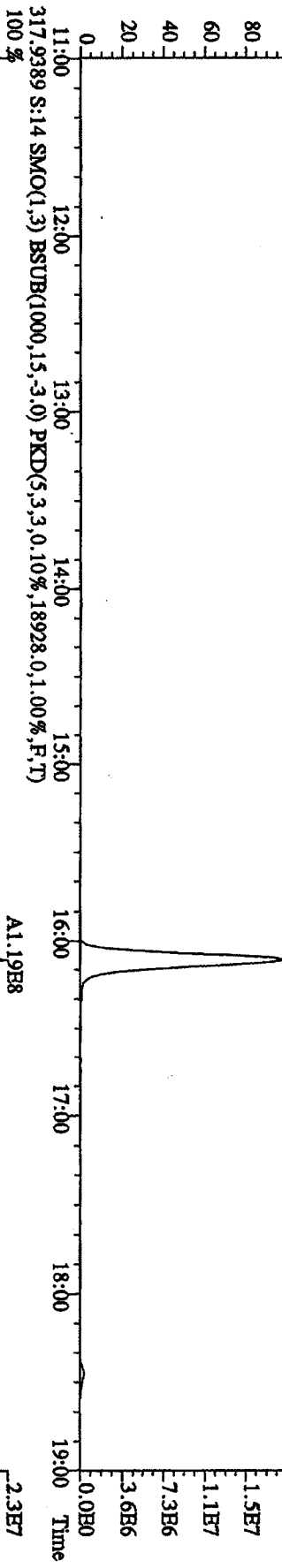
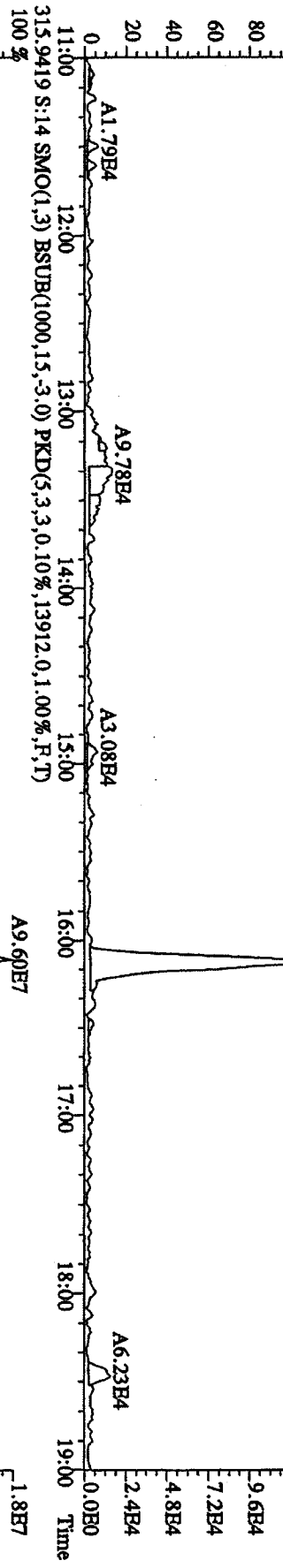
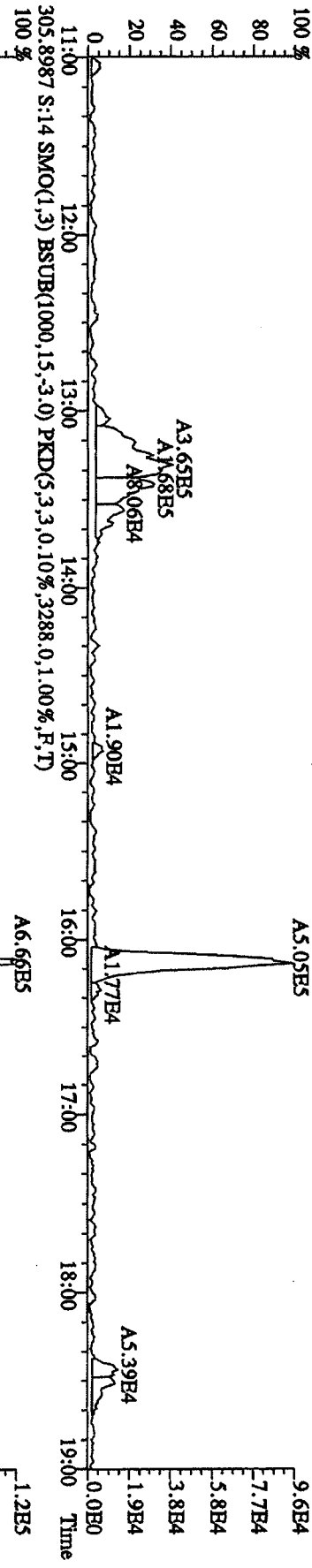
Quantitation Summary

TestAmerica West Sacramento

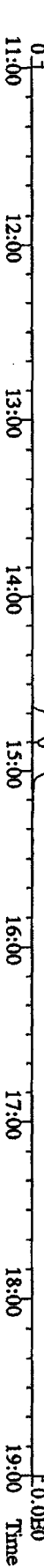
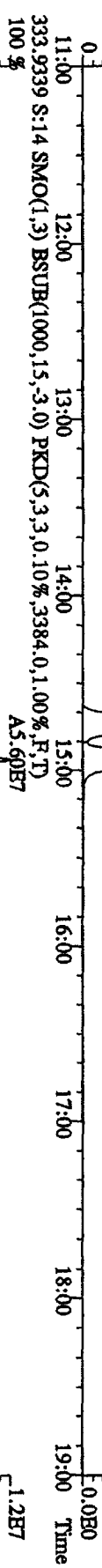
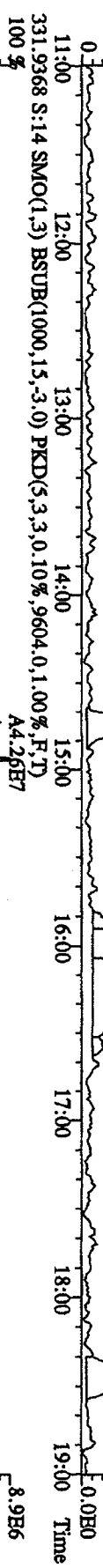
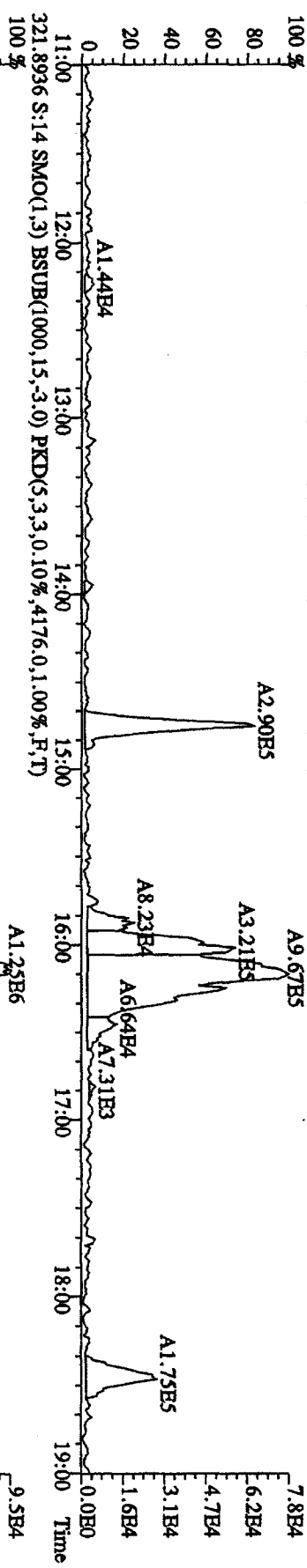
Run text: ST0421L Sample text: ST0421L :2nd Source 09DXN449
 Run #6 Filename: 21AP105D2 S: 17 I: 1 Results: 21AP105D2DB225A
 Acquired: 21-APR-10 20:08:50 Processed: 23-APR-10 15:30:50
 Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

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

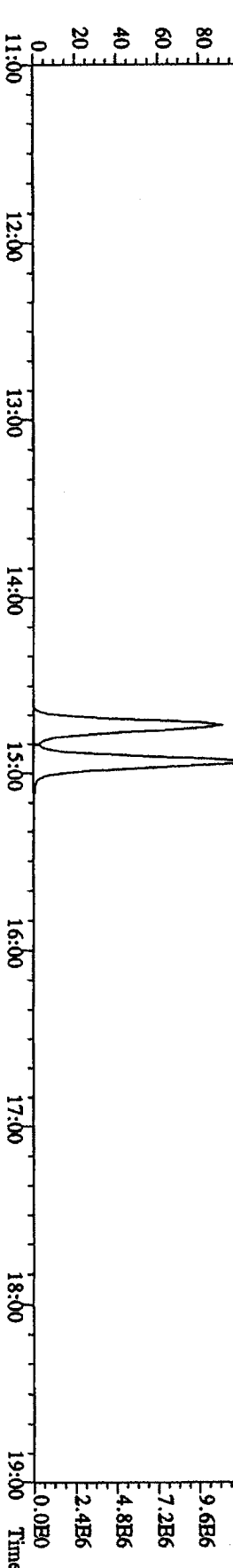
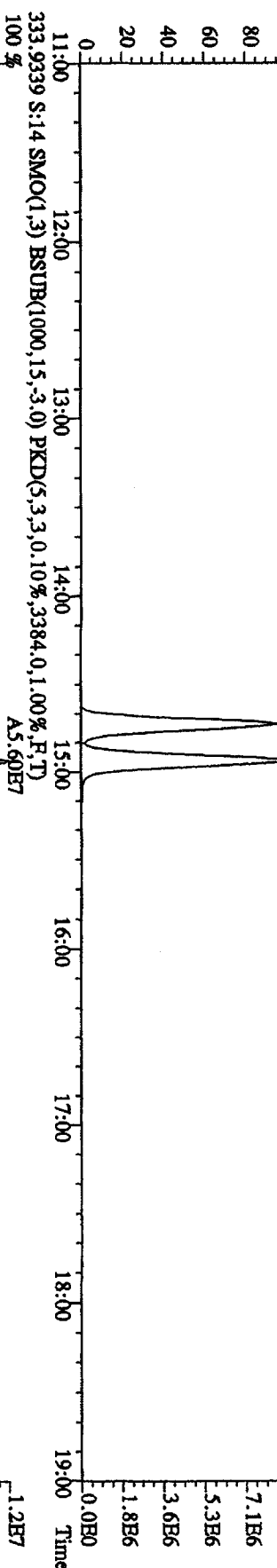
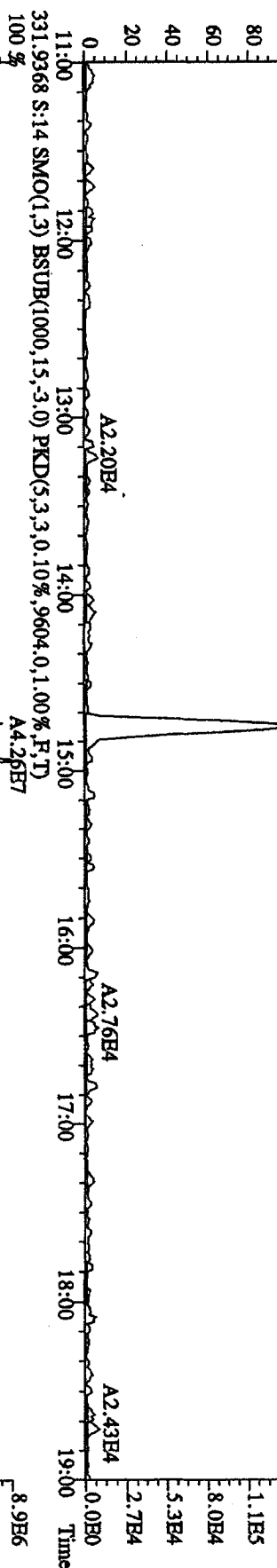
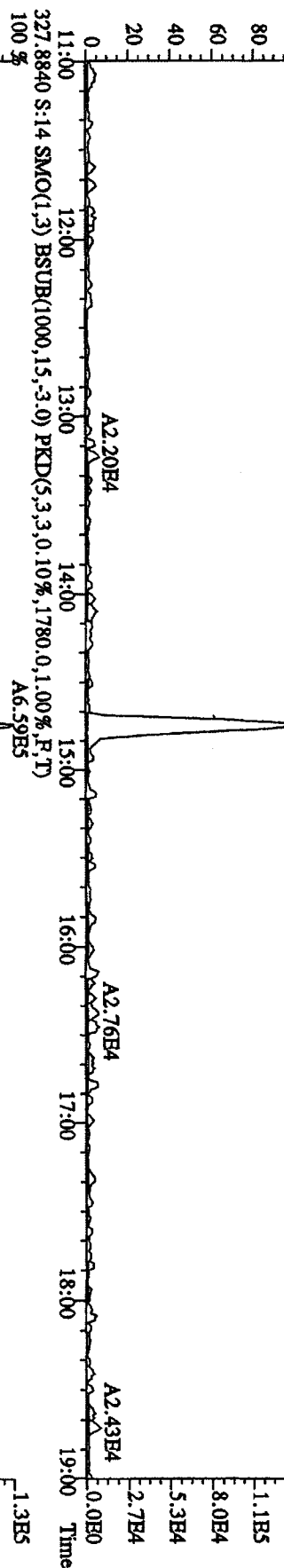
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC HI+ Voltage SIR 70SE
 Sample#14 Text:ST04211 :CS1 09DXN422 Exp:DIOXIN
 303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T)



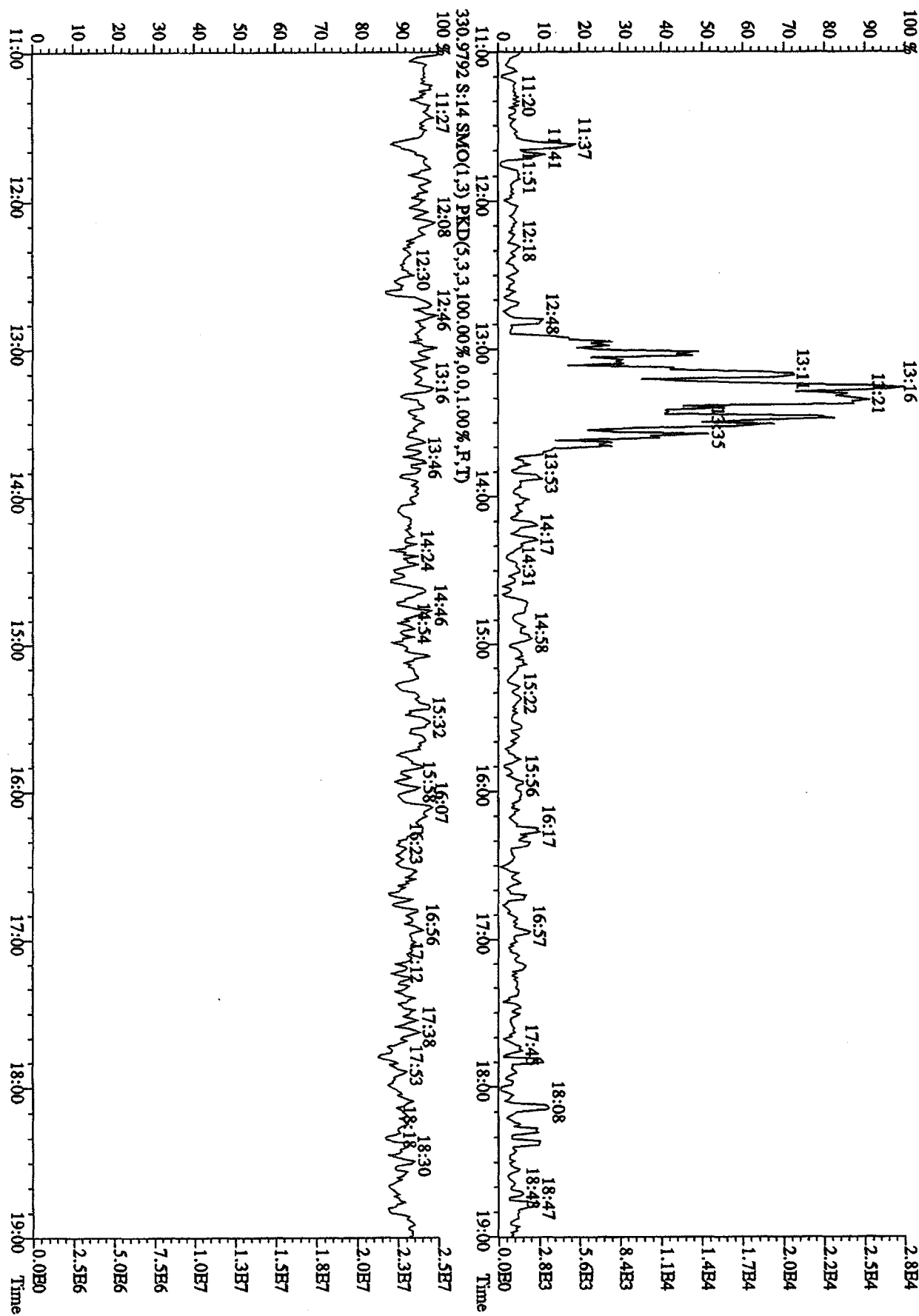
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST04211 :CSI 09DXN422 Exp:DIOXIN
 319.8965 S:14 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2500,0.1,0.0%,F,T)
 100 %



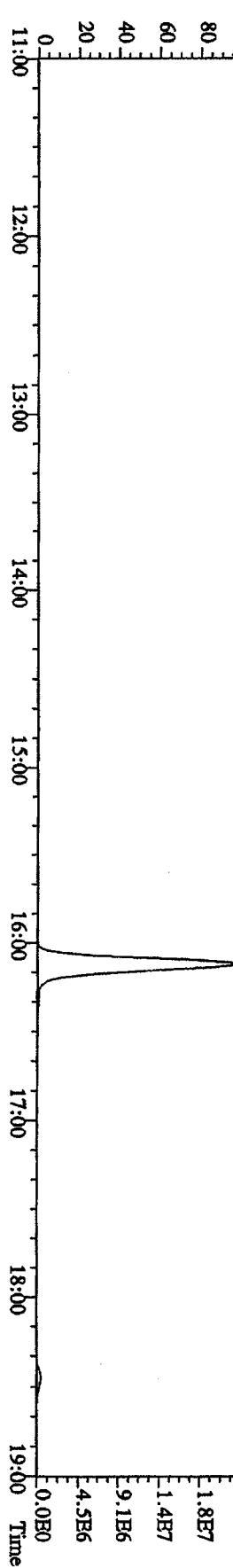
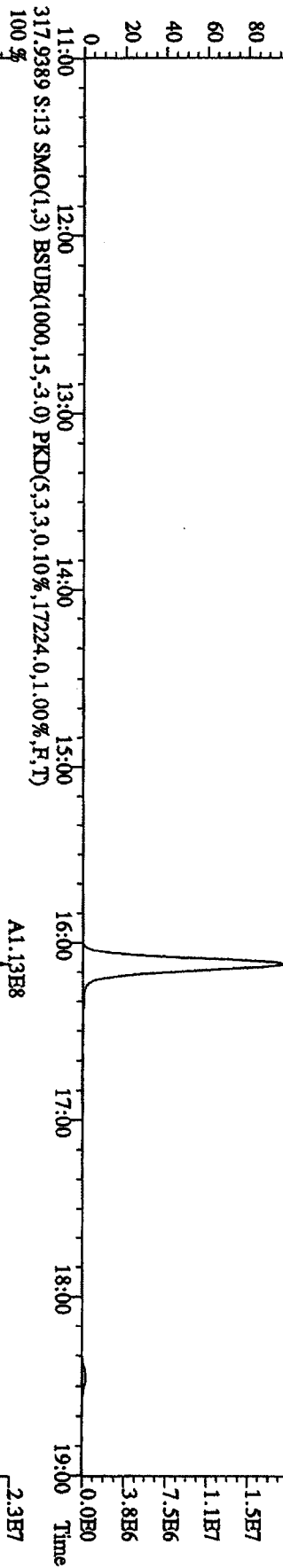
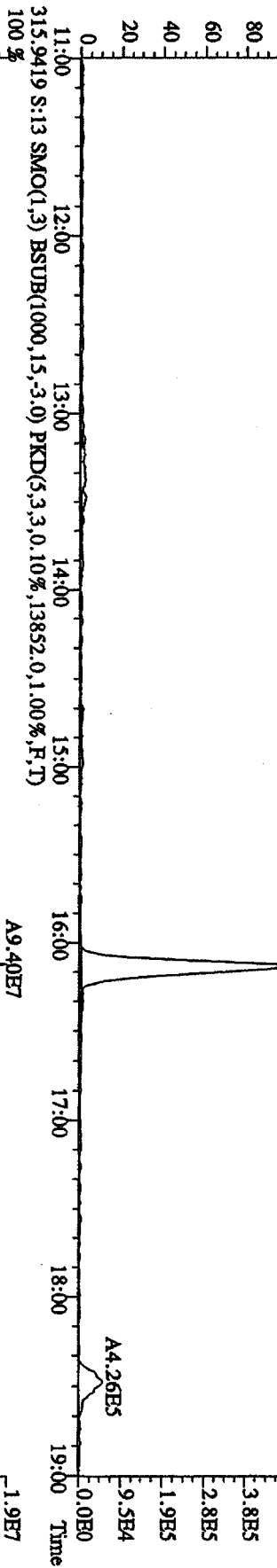
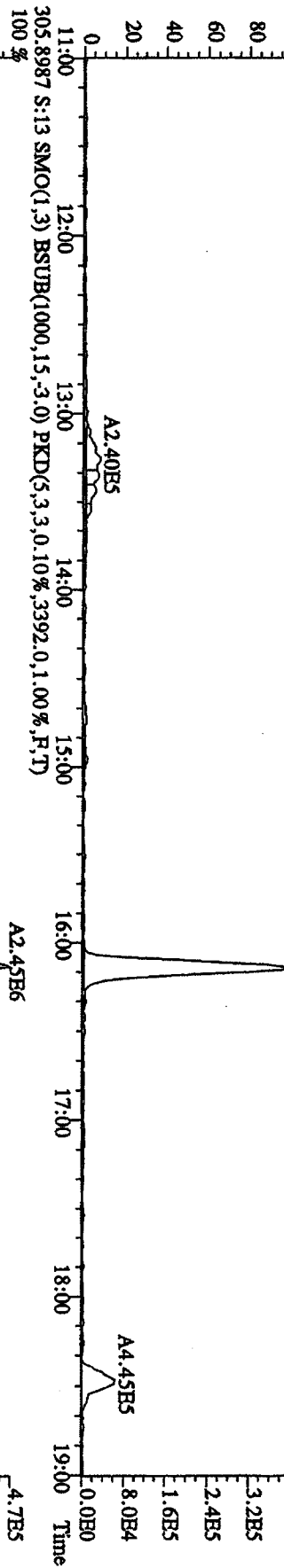
File: 21API05D2 #1-1242 Acq: 21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text: ST04211 :CS1 09DXN422 Exp: DIOXIN
 327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)
 100 % A6.59E5



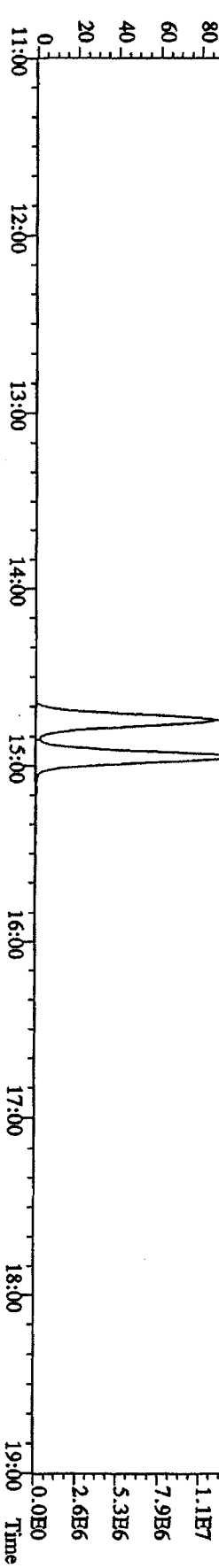
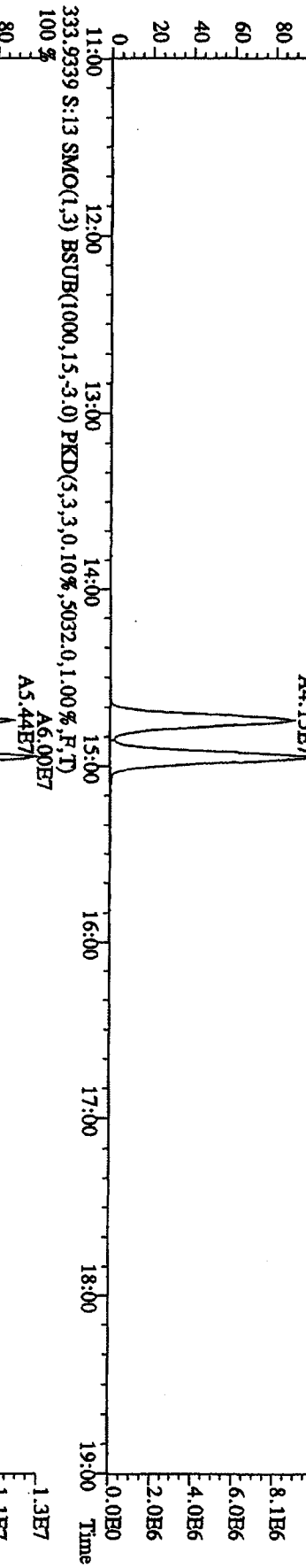
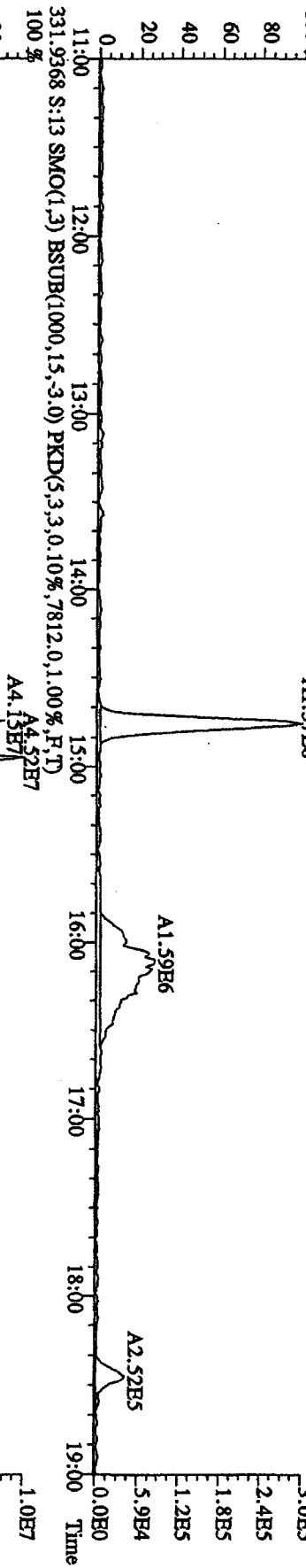
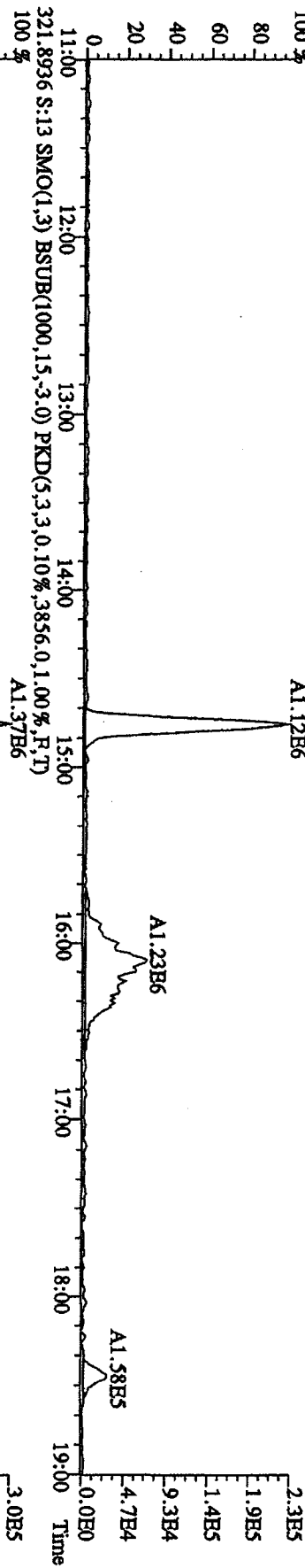
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:17:40 GC HI+ Voltage SIR 70SE
 Sample#14 Text: ST04211 : CS1 09DXN422 Exp: DIOXIN
 375.8364 S: 14 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,1364,0,1,00%,F,T)
 100 %



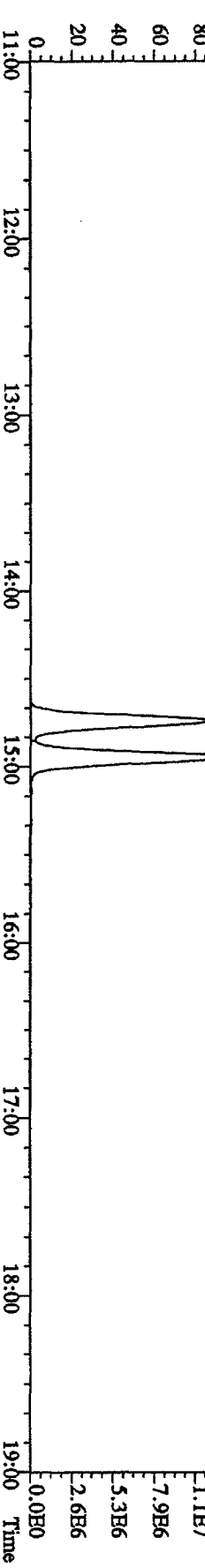
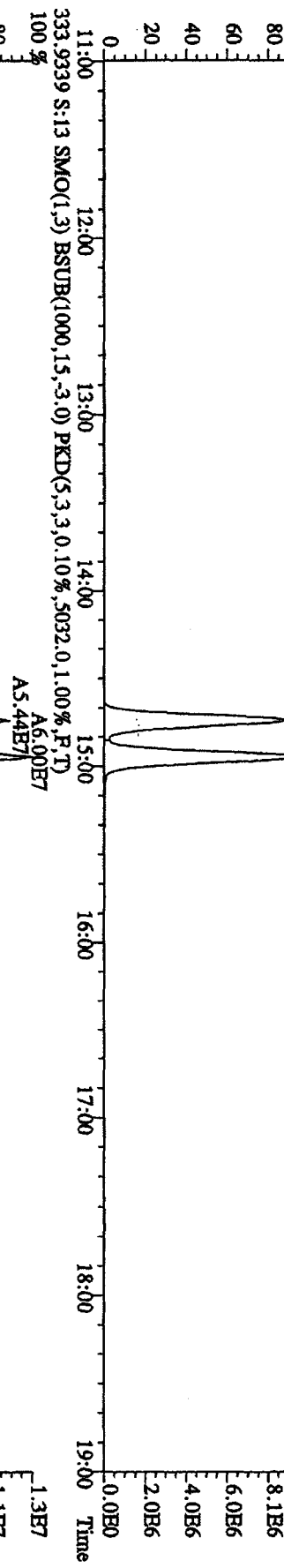
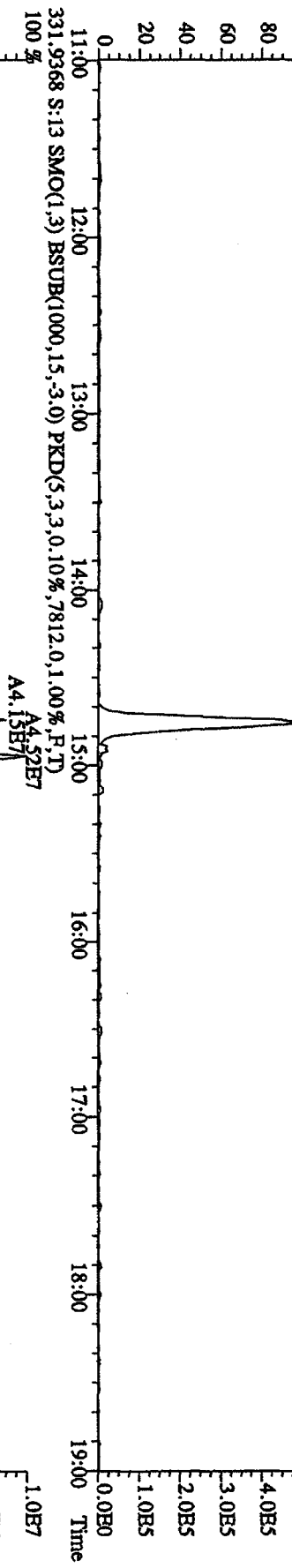
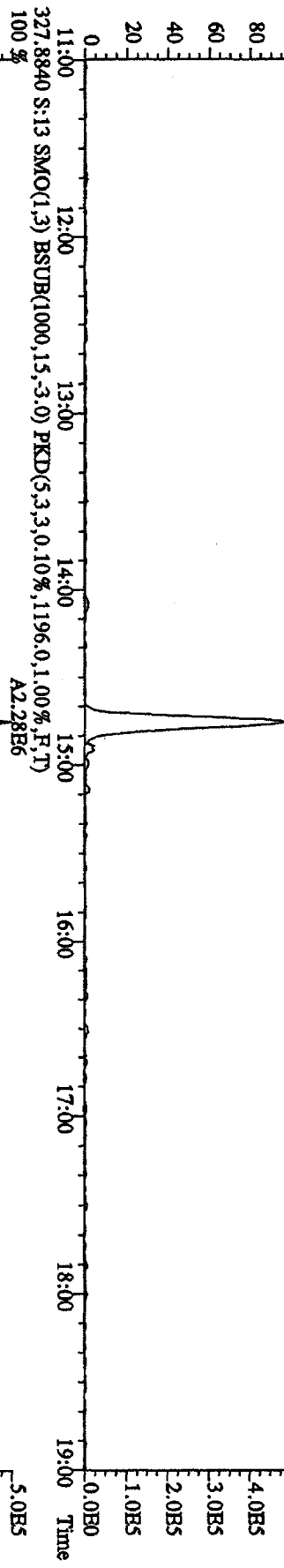
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:40:39 GC HI + Voltage SIR 70SE
 Sample#13 Text: ST0421H :CS2 09DXN423 Exp: DIOXIN
 303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3104.0,1.00%,F,T)
 100%



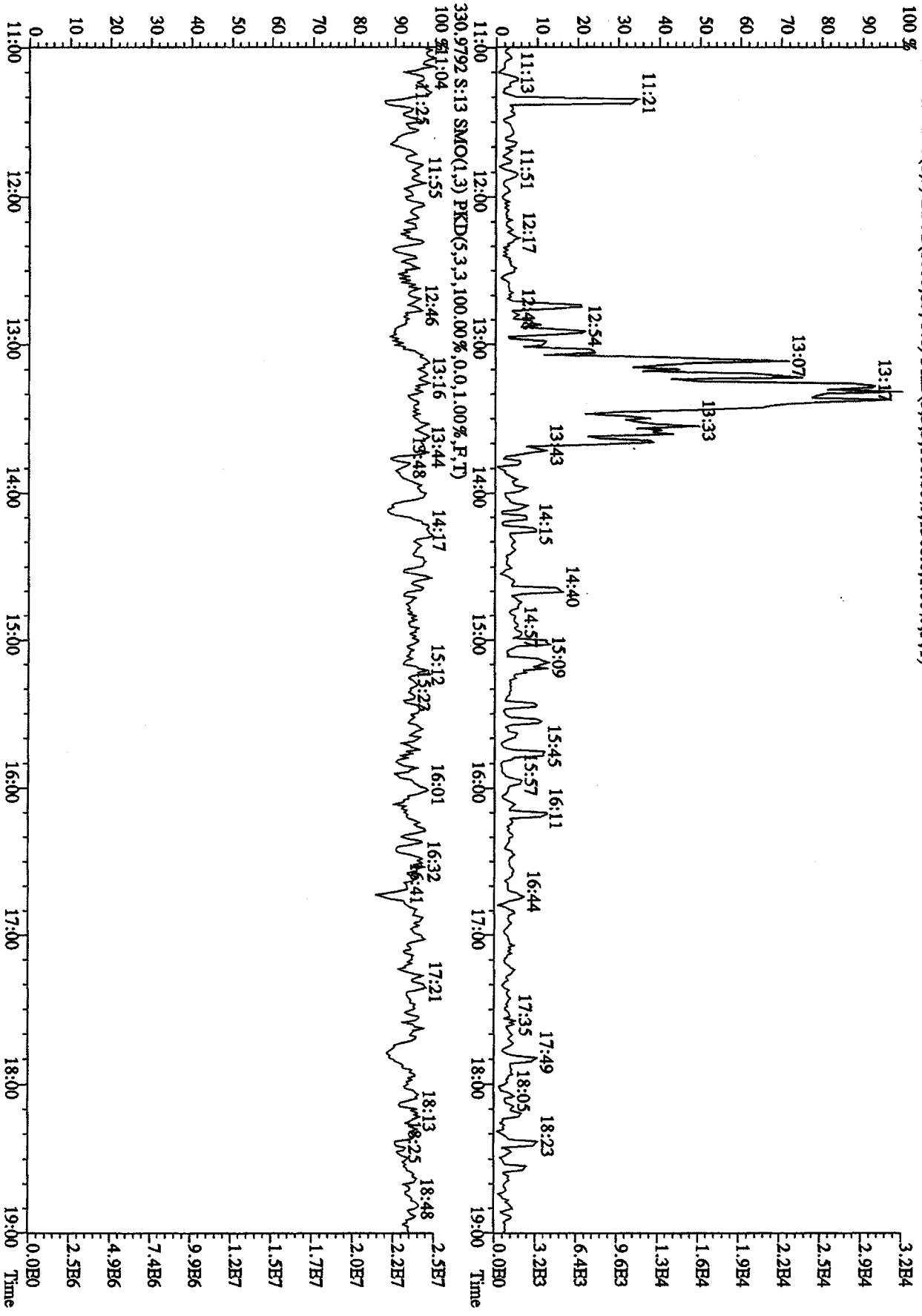
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC HI+ Voltage SIR 70SE
 Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2944,0,1.00%,F,T)
 100% A1.12B6



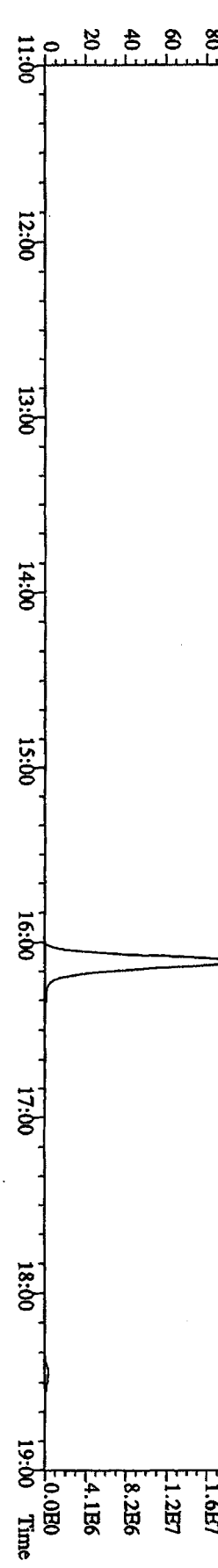
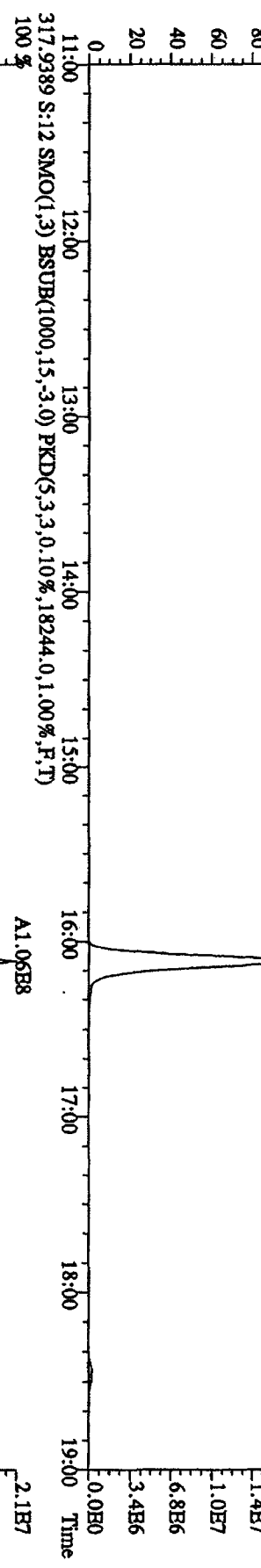
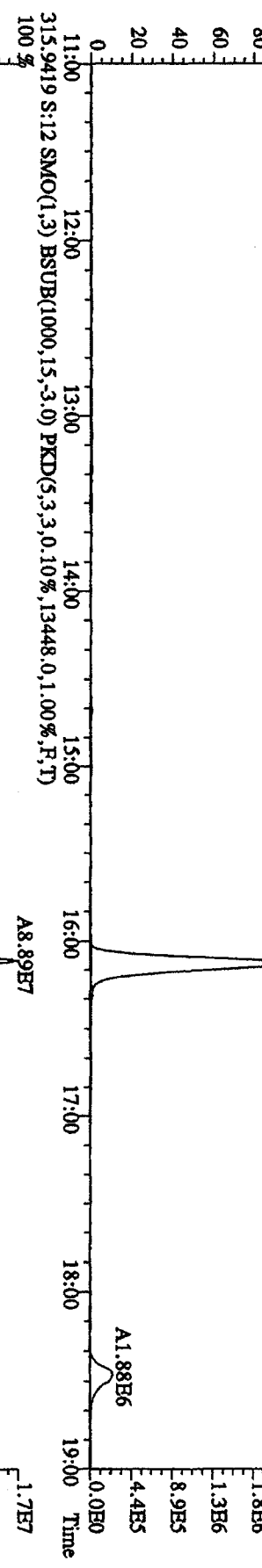
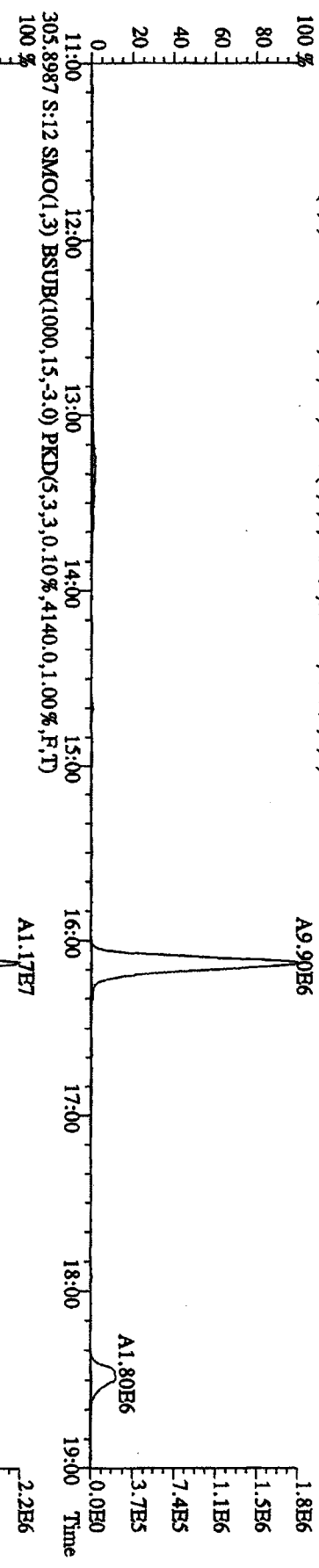
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST042IH :CS2 09DXN423 Exp:DIOXIN
 327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1196,0,1.00%,F,T)
 100% A2.28E6



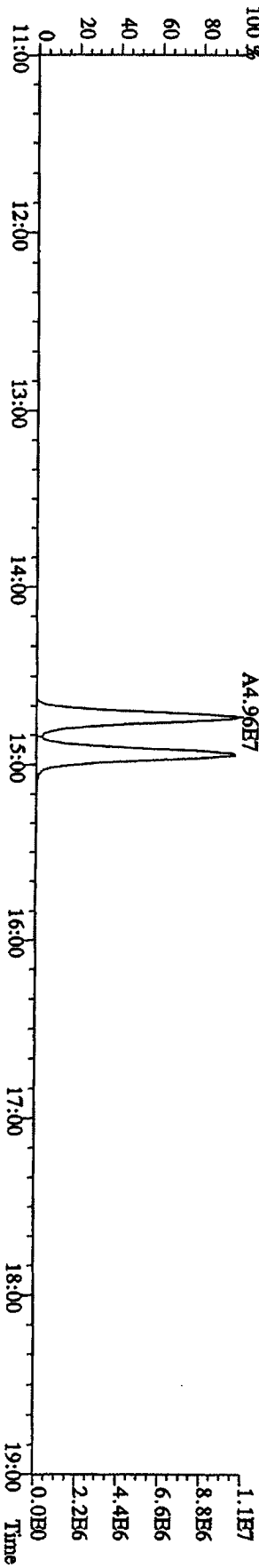
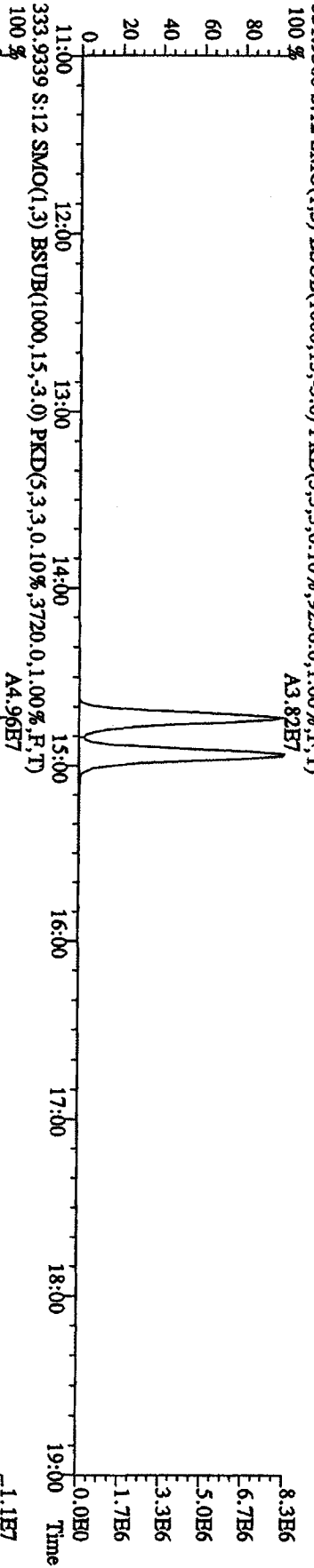
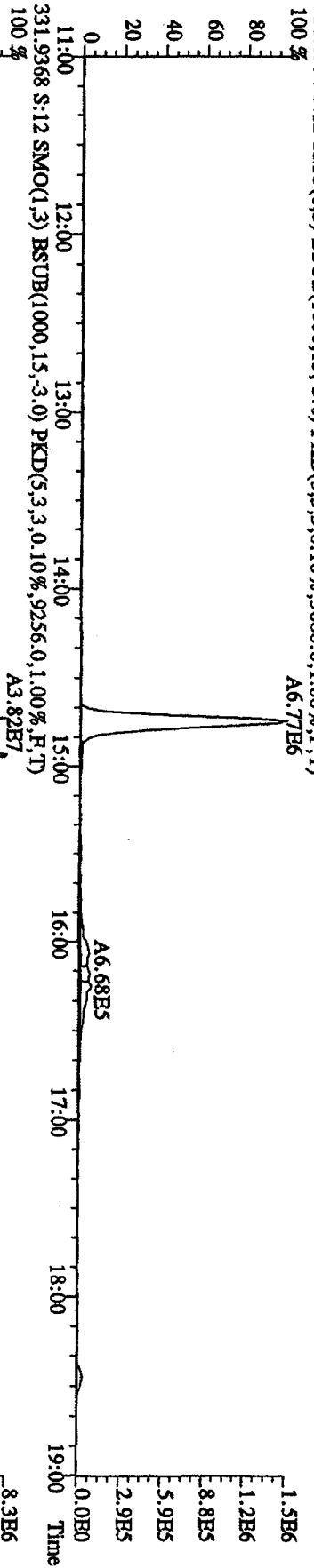
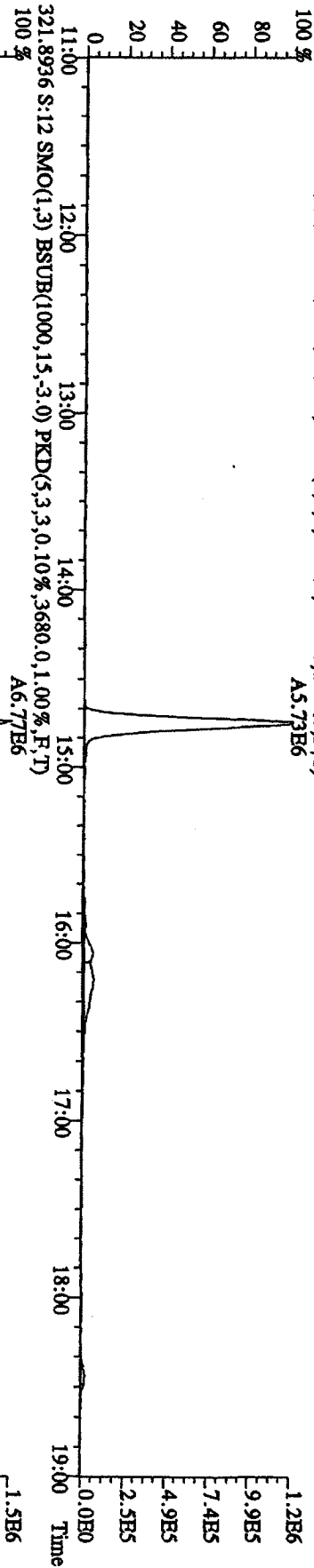
File: 21API05D2 #1-1242 Acq: 21-APR-2010 17:40:39 GC HI+ Voltage SIR 70SB
 Sample #13 Text: ST0421H : CS2 09DXN423 Exp: DIOXIN
 375.8364 S: 13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,100,0.0%,1368,0.1,0.0%,F,T)



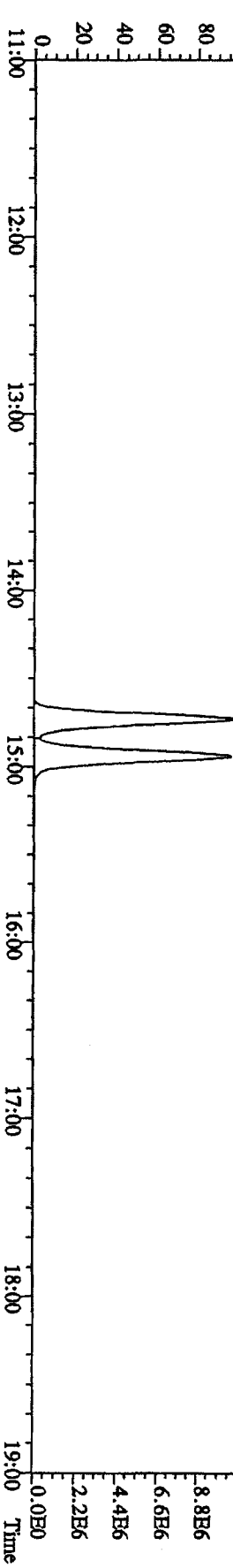
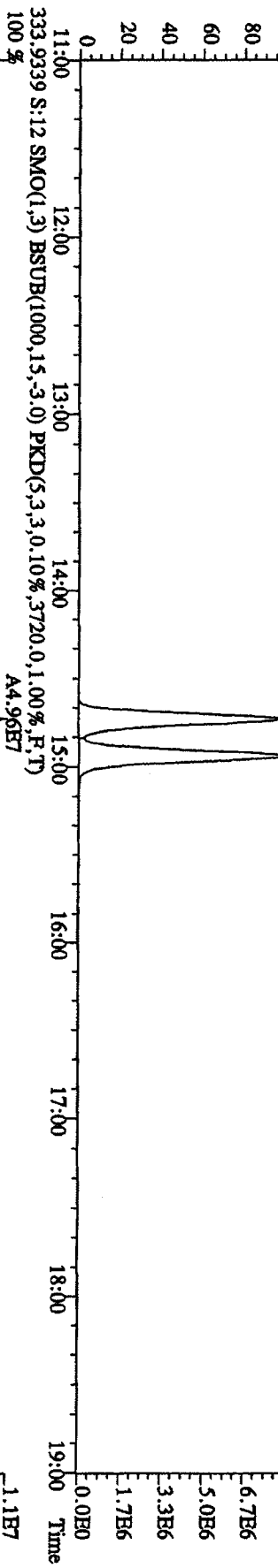
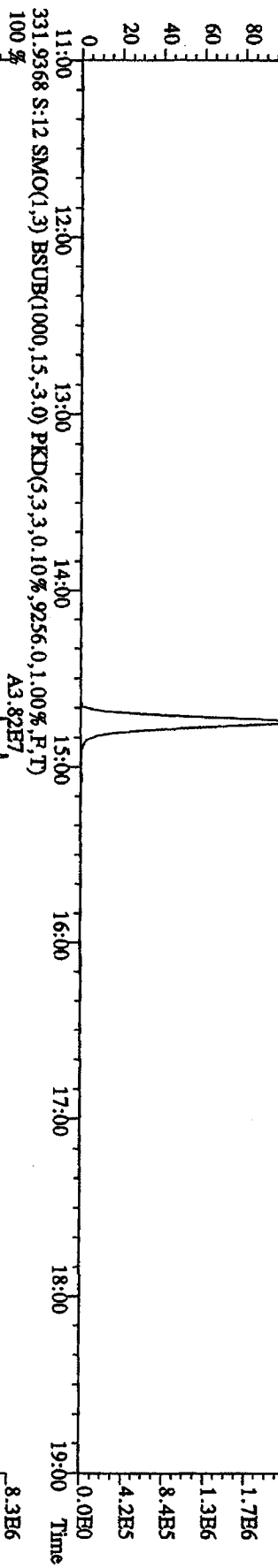
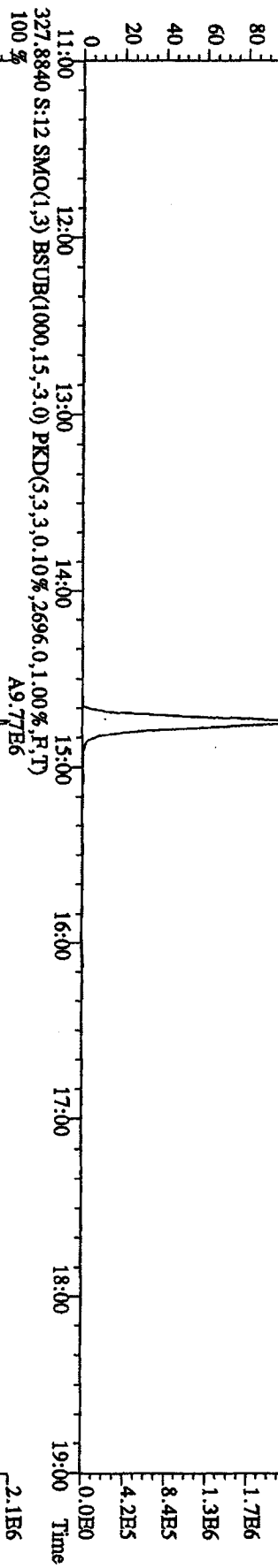
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
 Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
 303.9016 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.3360,0,1,00%,F,T)
 100 %



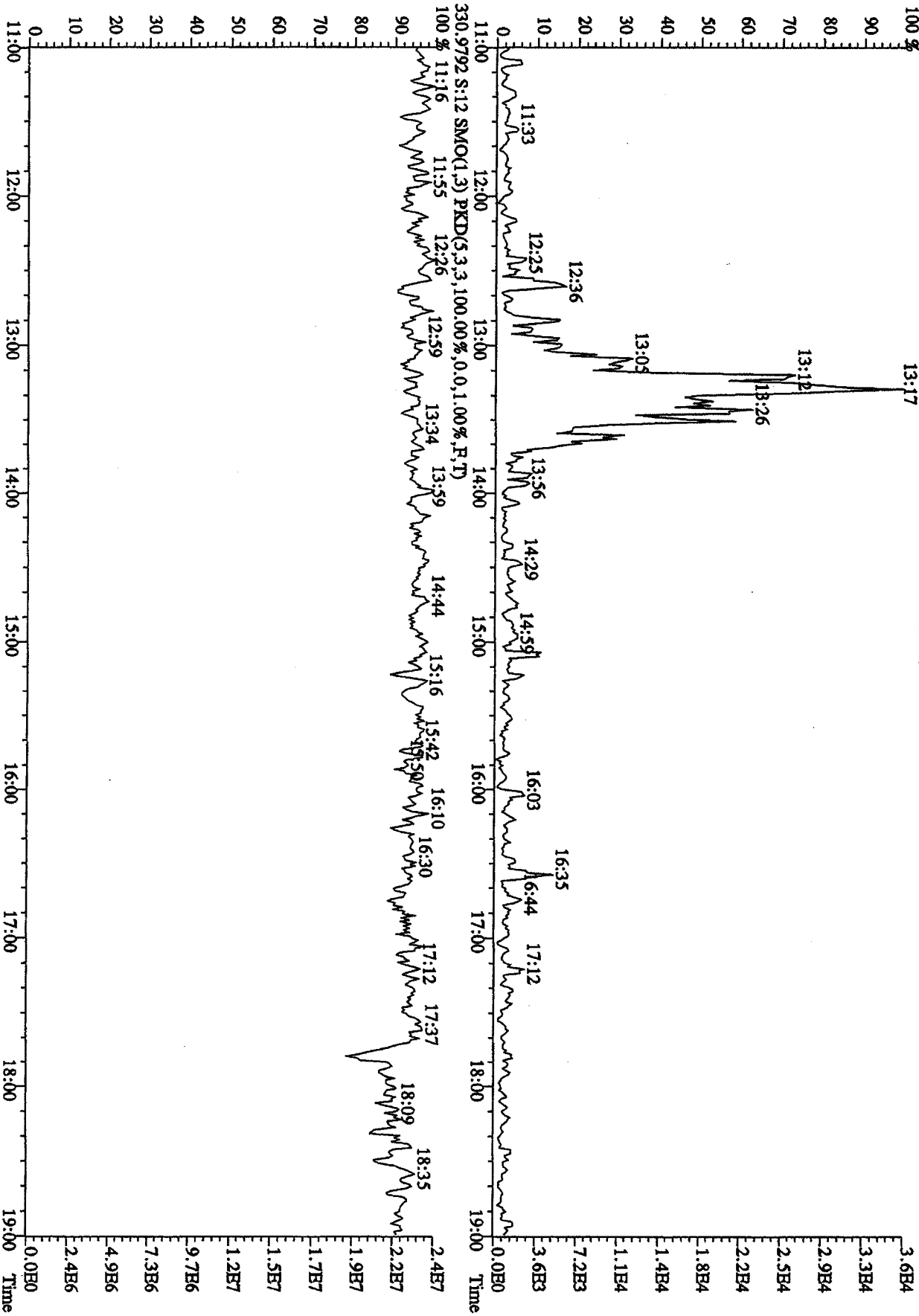
File: 21AP10SD2 #1-1242 Acq: 21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
 Sample#12 Text: STD0421G :CS3 10DXN111 Exp: DIOXIN
 319.8965 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2712,0,1,00%,F,T) A5.73E6



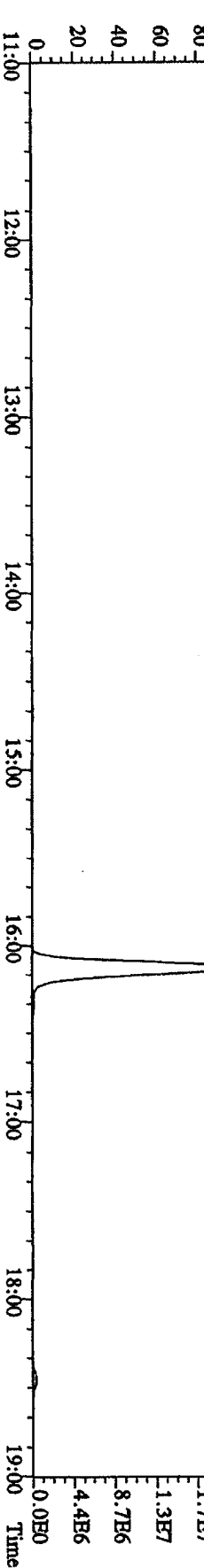
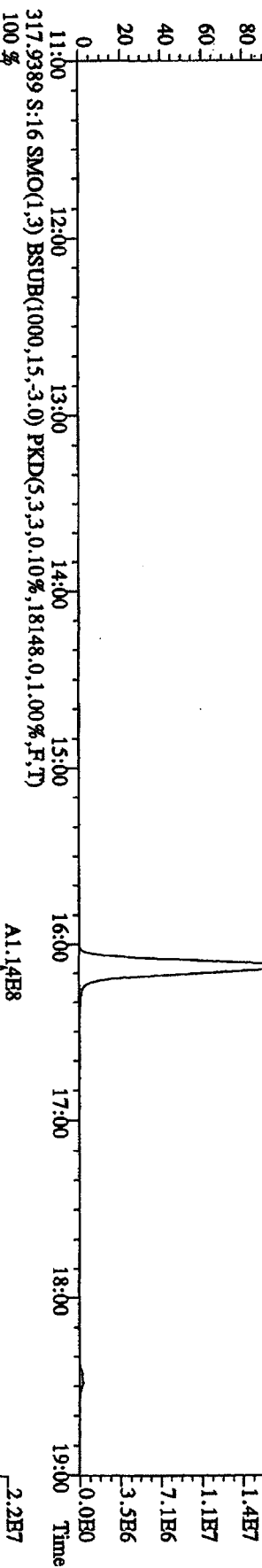
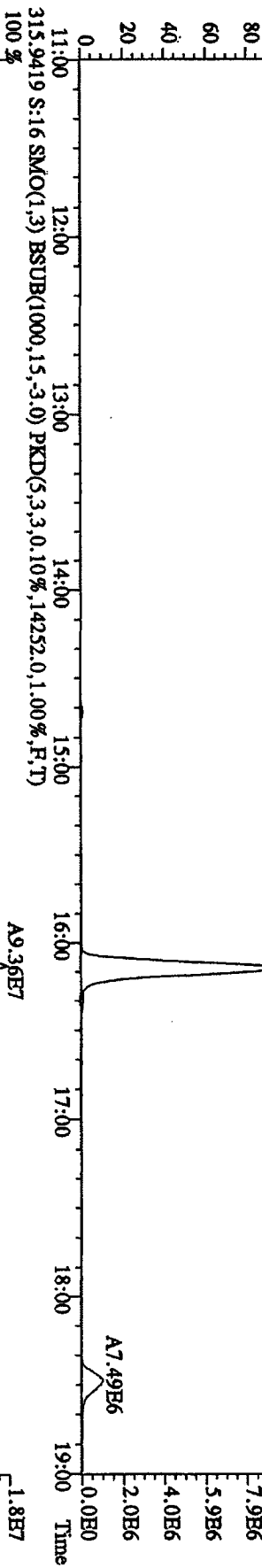
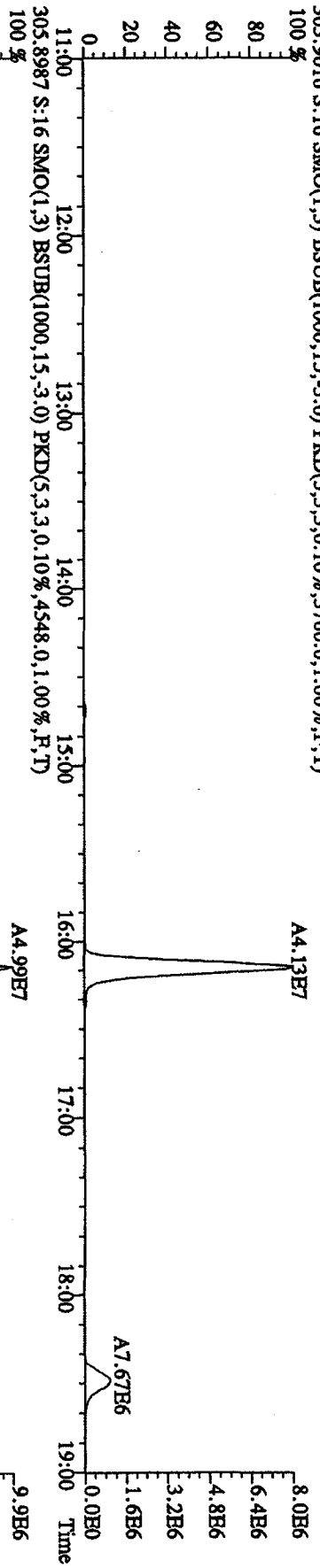
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:03:38 GC HI + Voltage SIR 70SE
 Sample#12 Text: ST0421G :CS3 10DXN111 Exp: DIOXIN
 327.8840 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2696,0,1,00%,F,T)
 100% A9.77E6



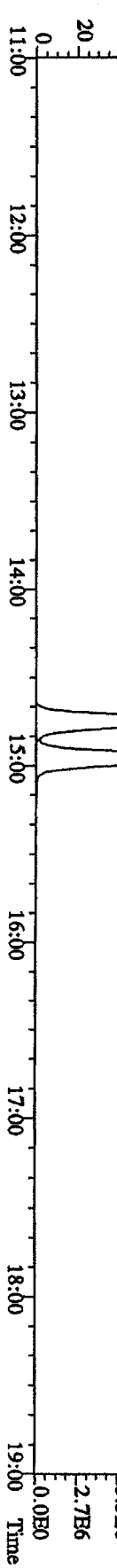
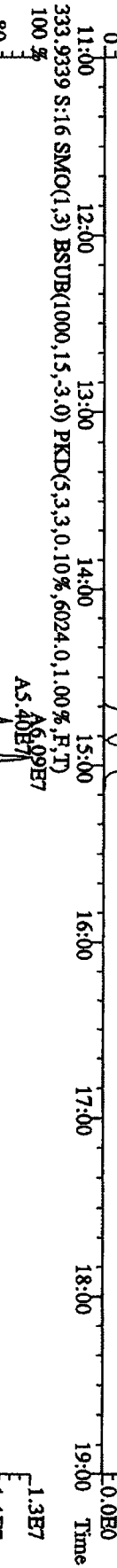
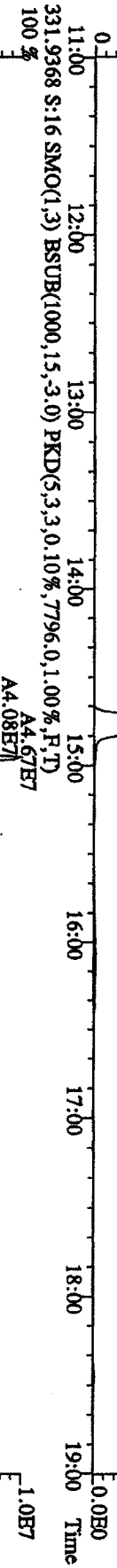
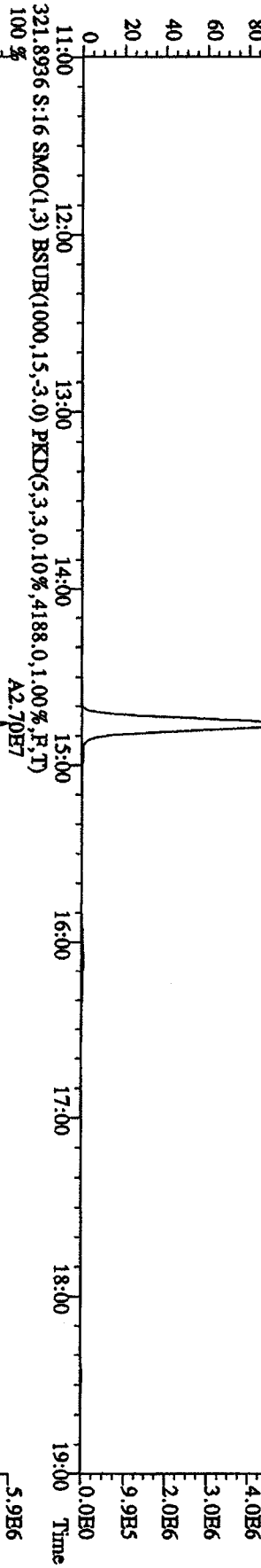
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:03:38 GC BI + Voltage SIR 70SE
 Sample#12 Text: ST0421G :CS3 10DXN111 Exp: DIOXIN
 375.8364 S:12 SMO(1,3) BSVB(1000,15,-3,0) PKD(5,3,3,100.00%,1252.0,1.00%,F,T)
 100%



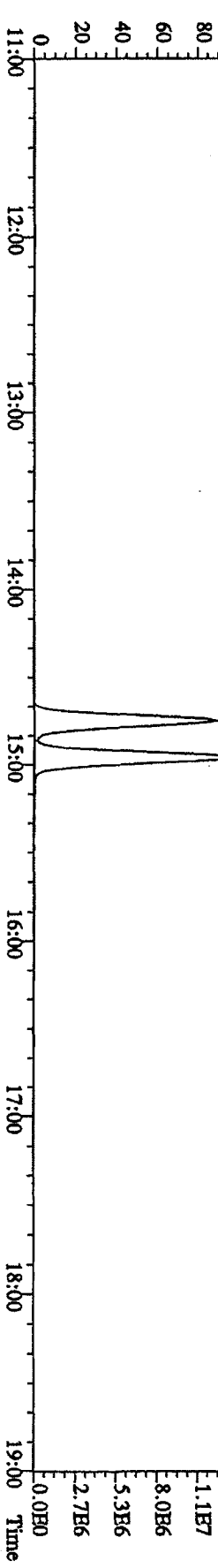
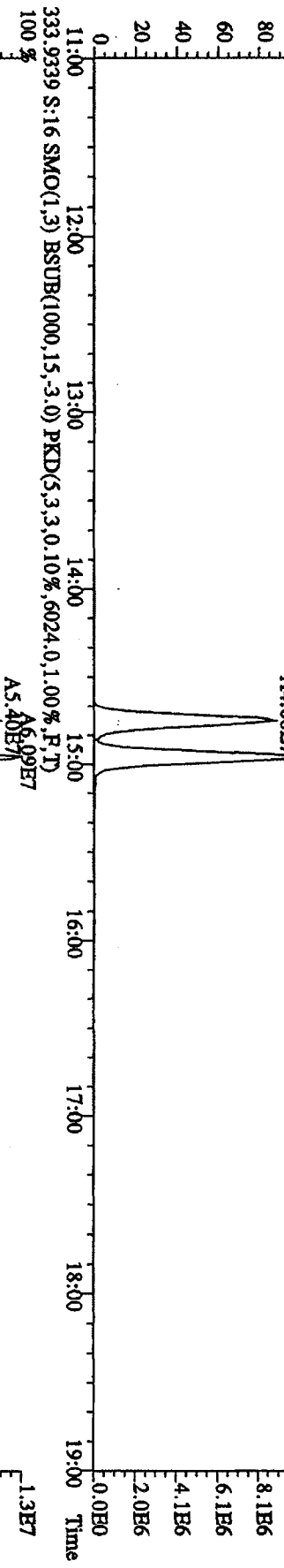
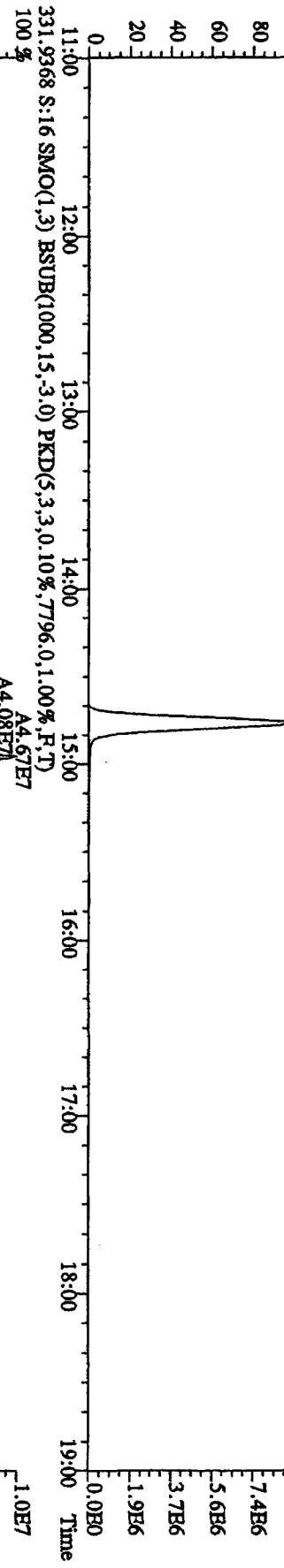
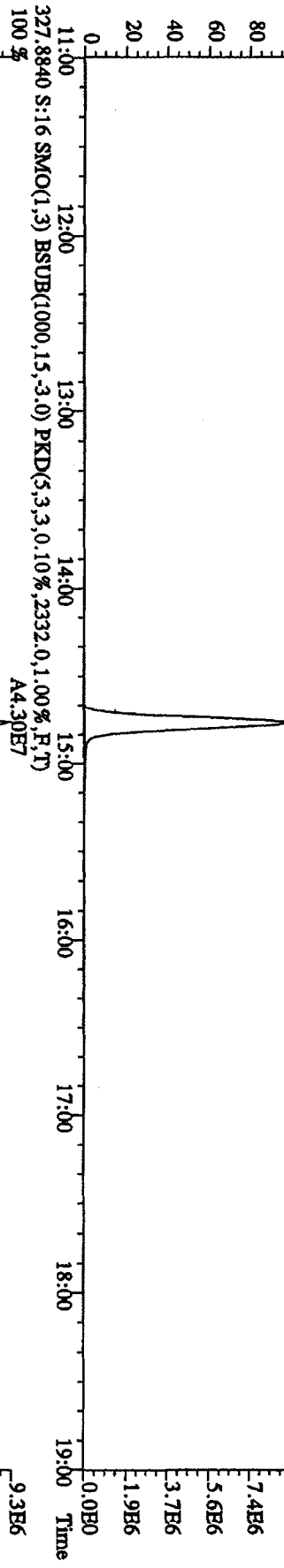
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC HI+ Voltage SIR 70SE
 Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
 303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3760,0,1,00%,F,T)



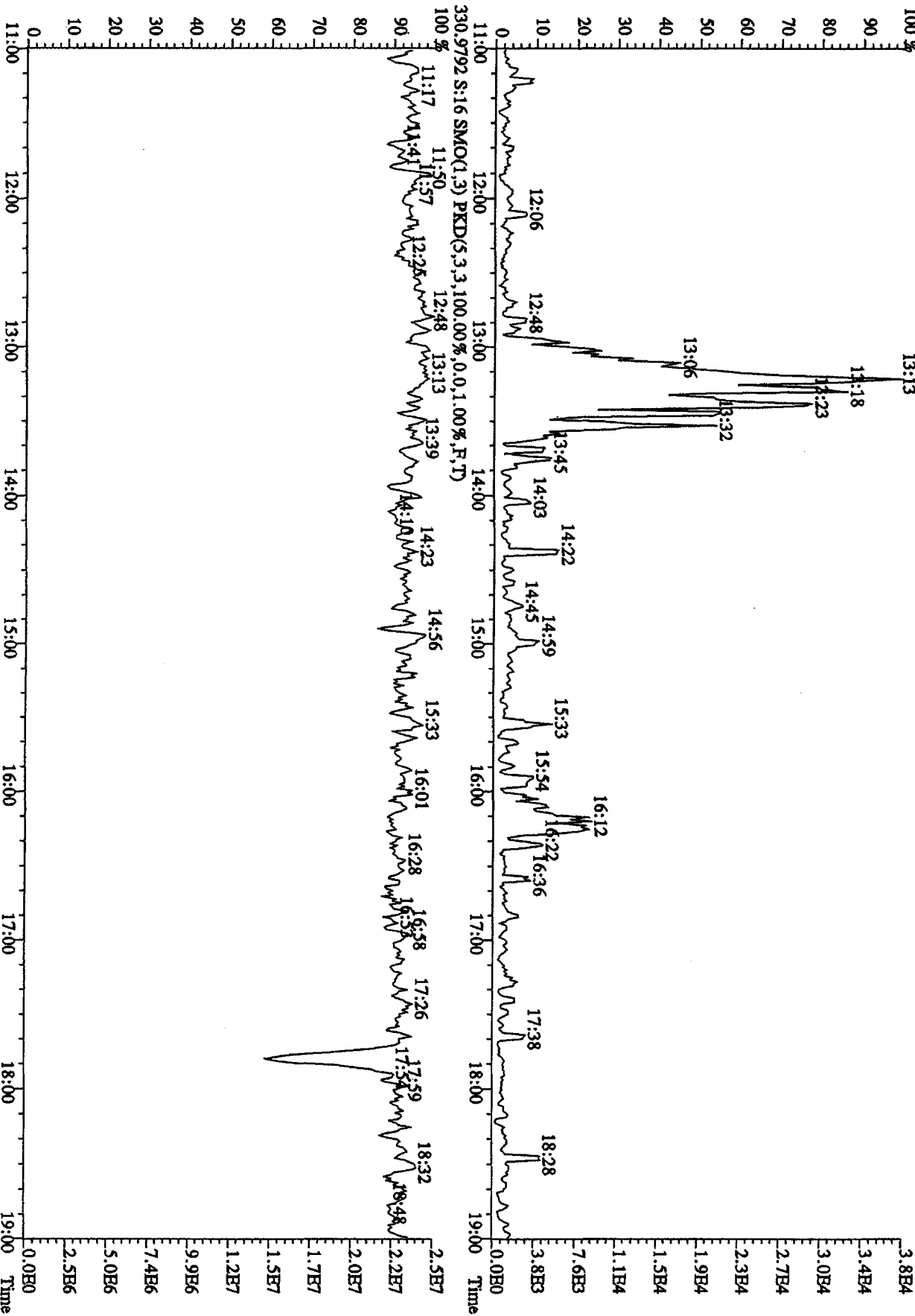
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
 Sample#16 Text: ST0421K :CS4 09DXN426 Exp: DIOXIN
 319,8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2888.0,1.00%,F,T)
 100% A2.29E7



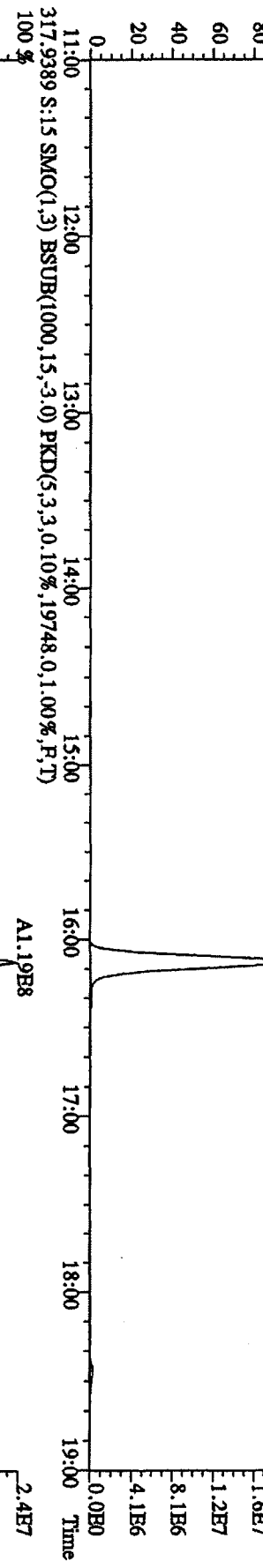
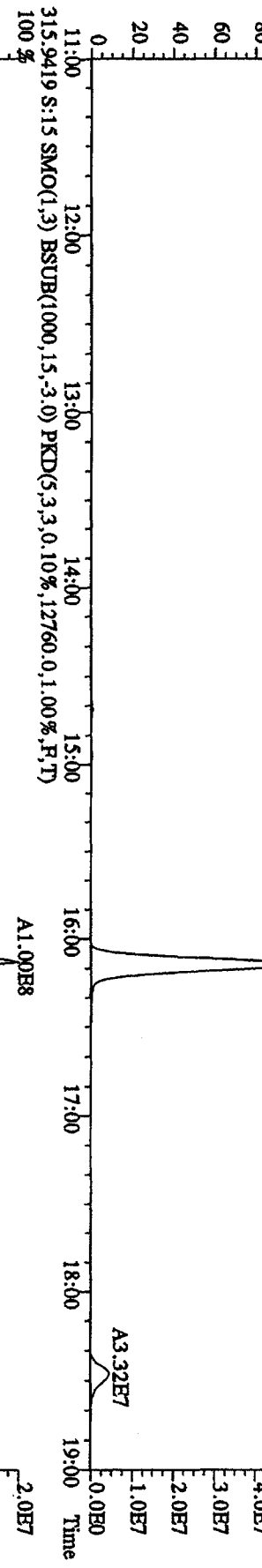
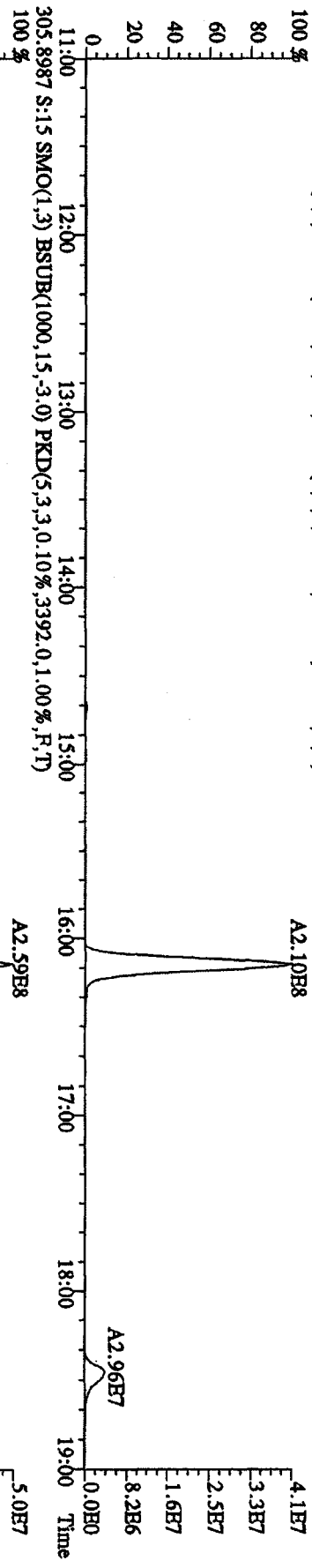
File: 21API05D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
 Sample#16 Text: ST0421K :CS4 09DXN426 Exp: DIOXIN
 327.8840 S:16 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2332,0,1,00%,F,T)
 100% A4.30E7



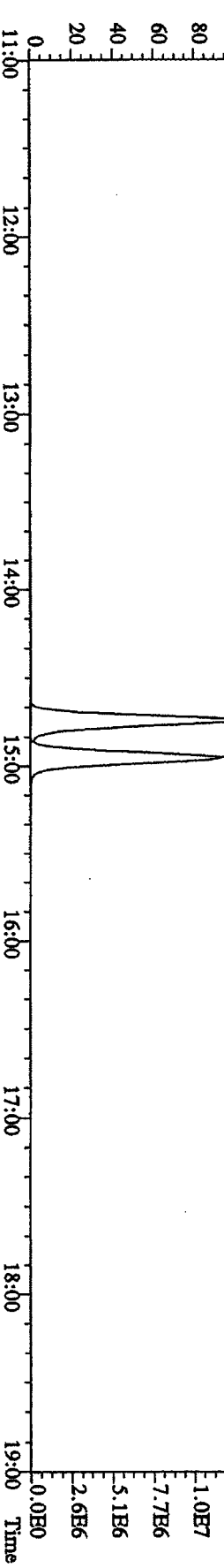
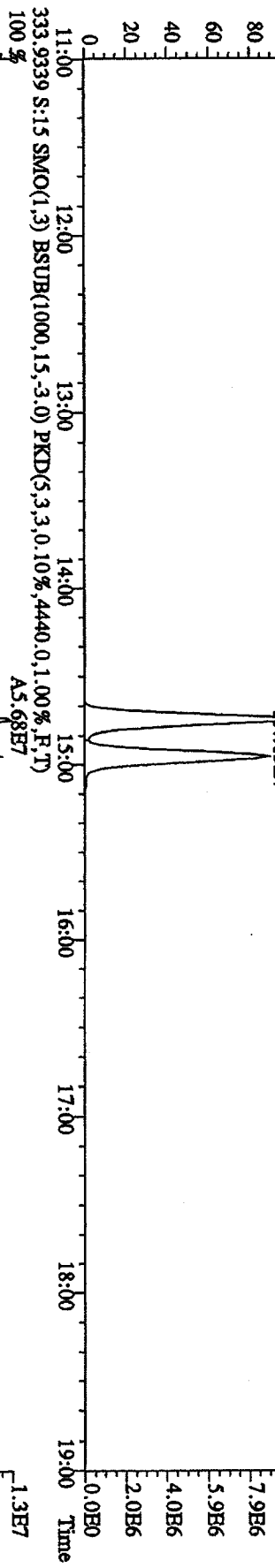
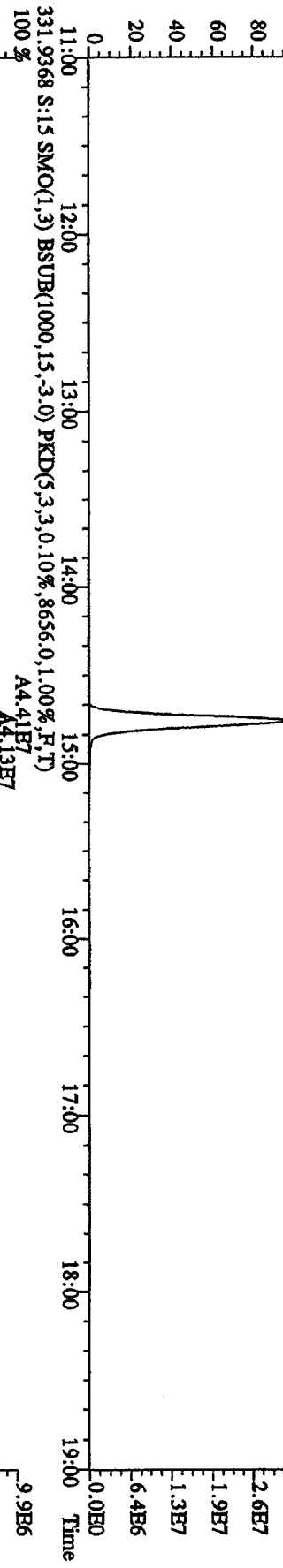
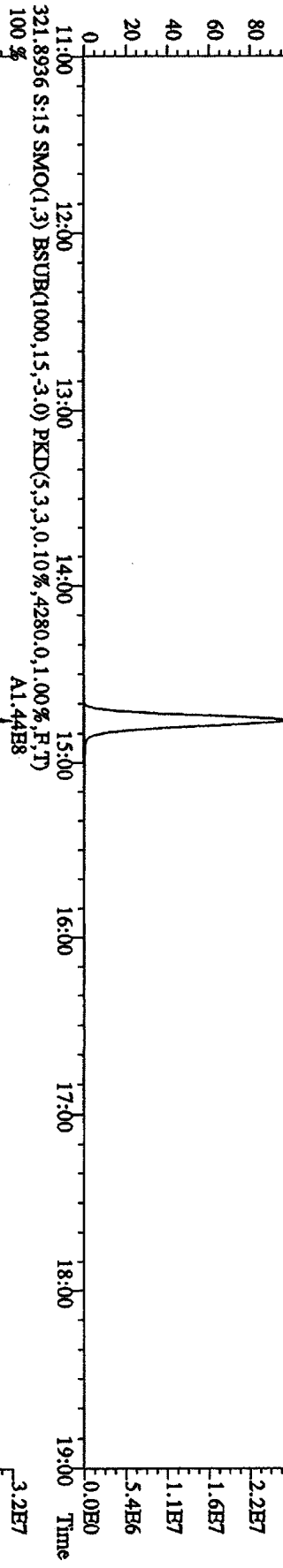
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
 Sample#16 Text: ST0421K :CS4 09DXN426 Exp: DIOXIN
 375.8364 S:16 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)
 100%



File: 21AP105D2 #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:21AP10SD2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST04211 :CSS 09DXN456 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: ST0421J : 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)

A2.28E8

5.1E7

331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)

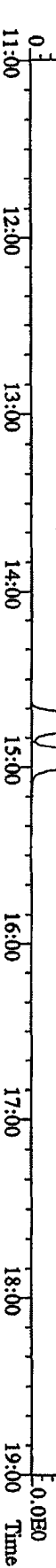
A4.41E7

9.9E6

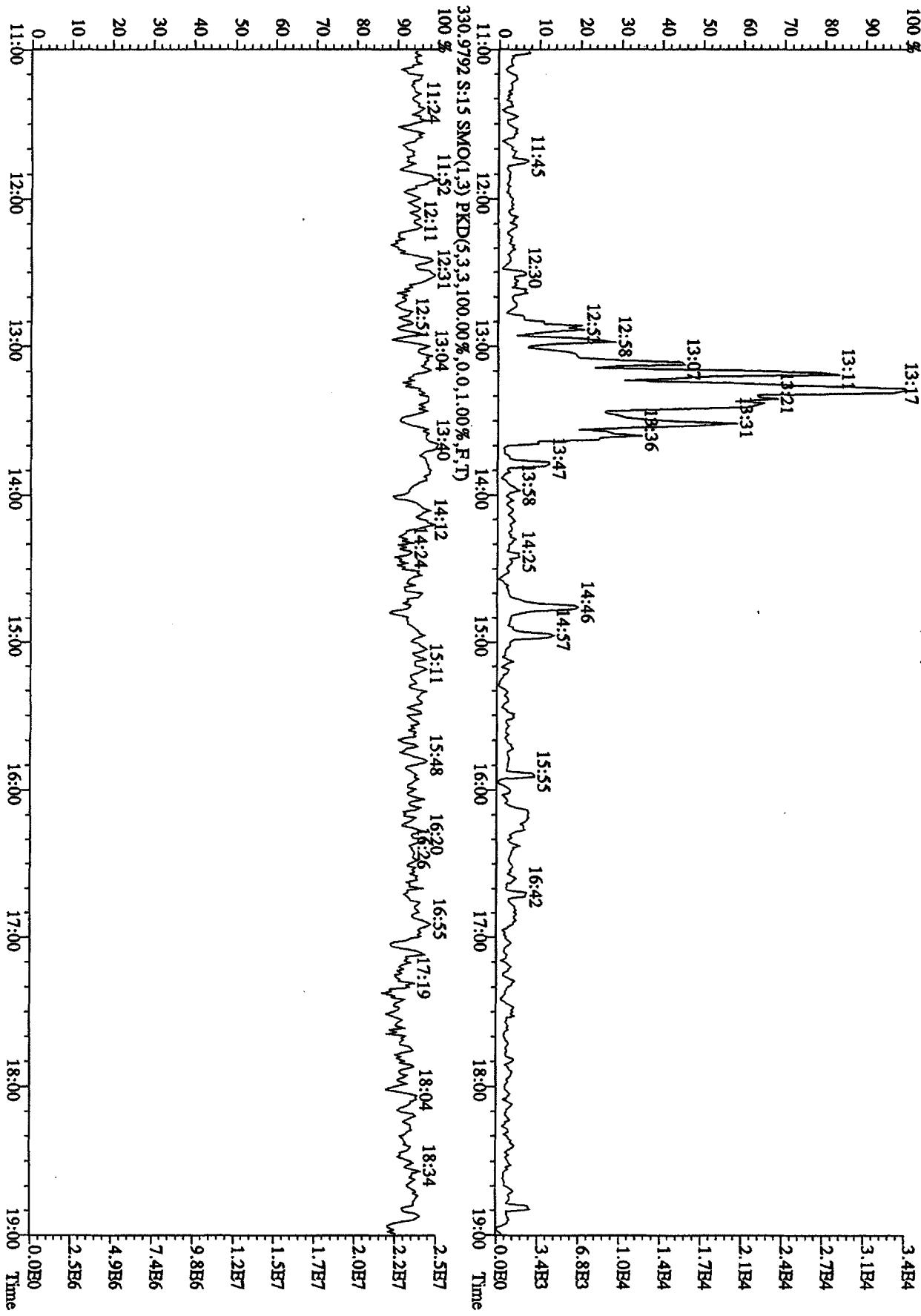
333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4440.0,1.00%,F,T)

A5.68E7

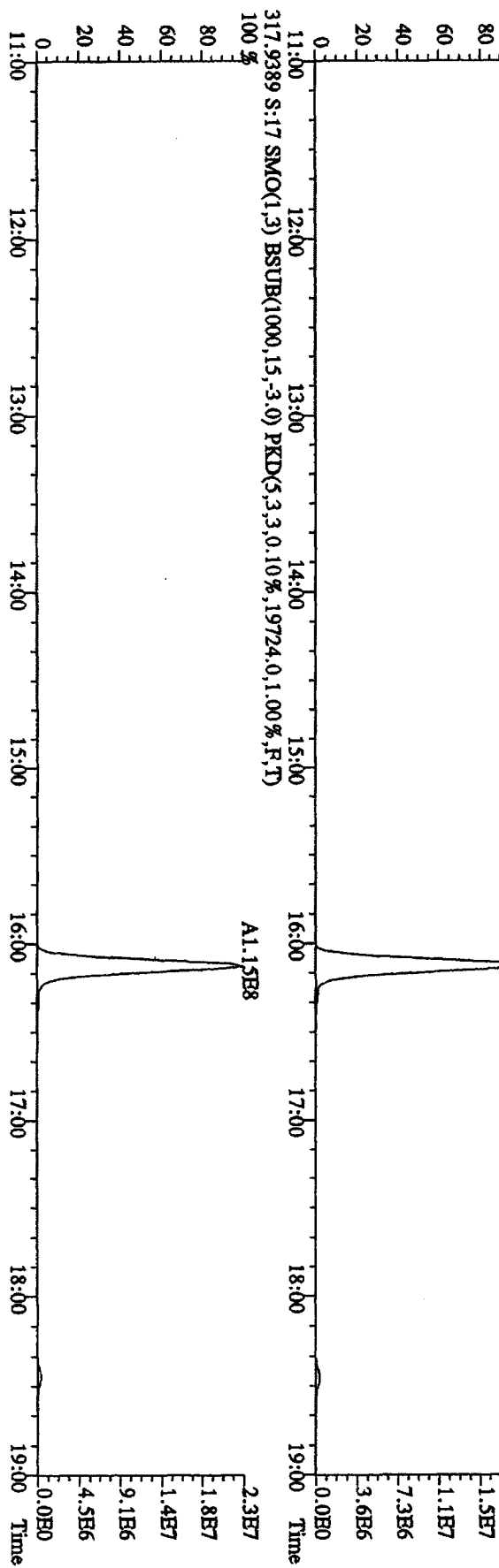
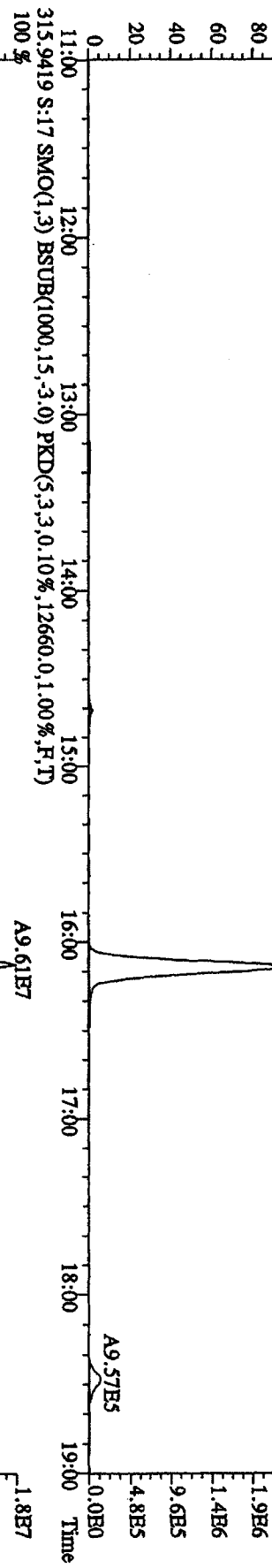
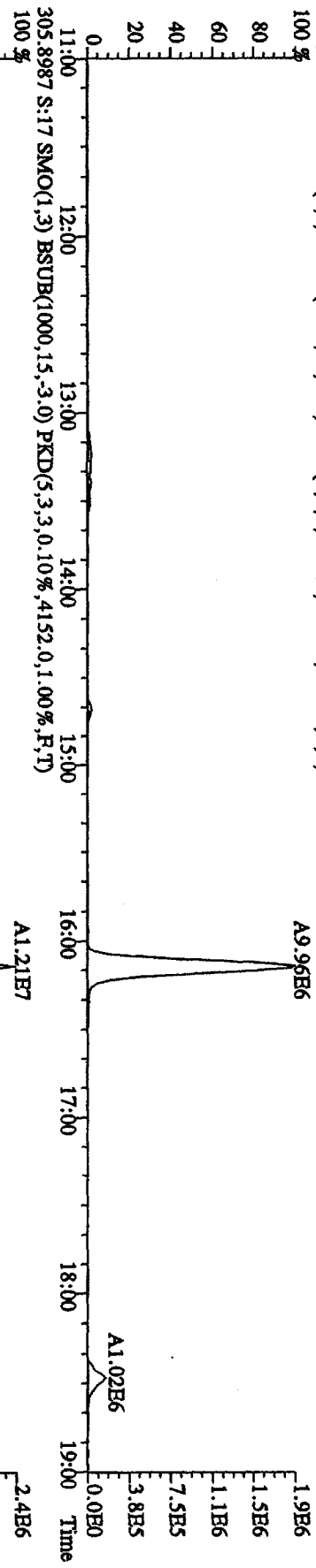
1.3E7



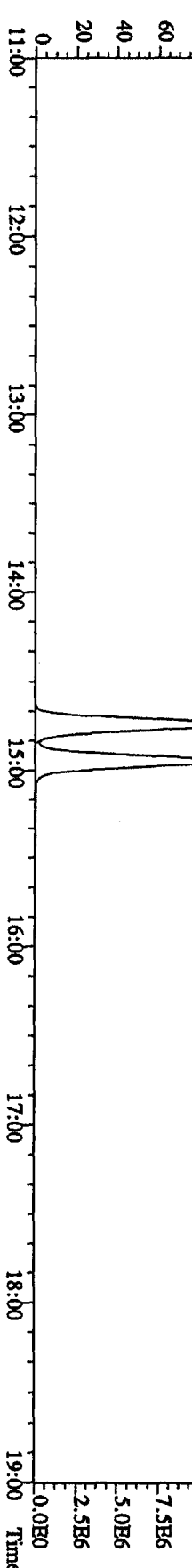
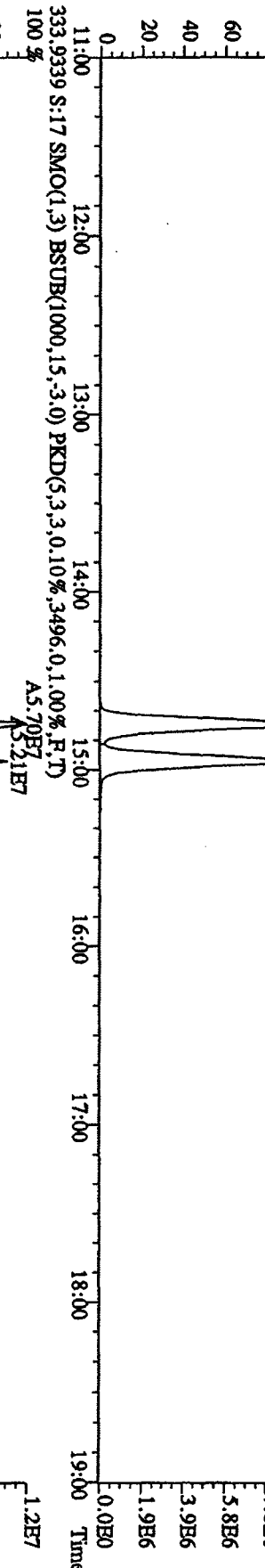
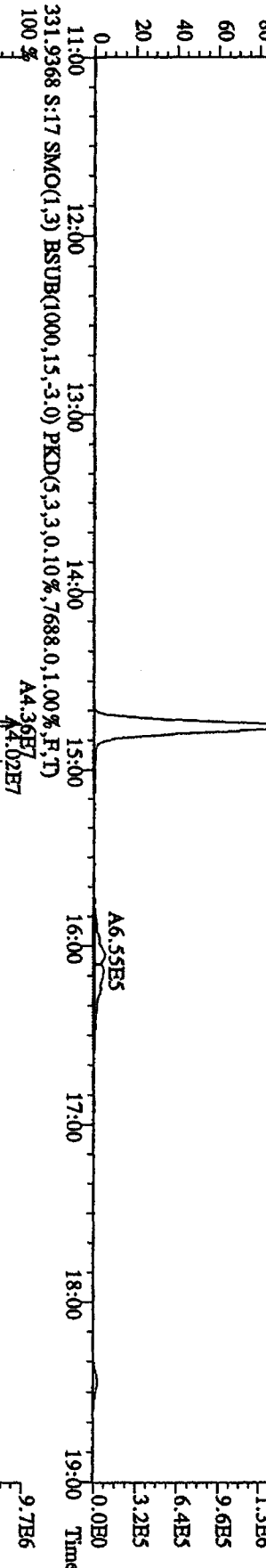
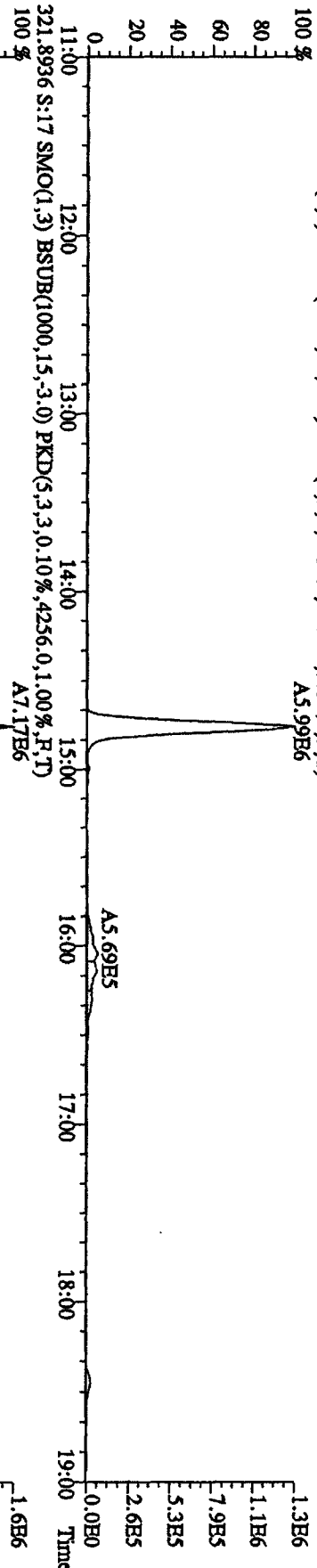
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:54:42 GC BI + Voltage SIR 70SE
 Sample#15 Text: ST0421J :CSS 09DXN456 Exp: DIOXIN
 375.8364 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1288.0,1.00%,F,T)



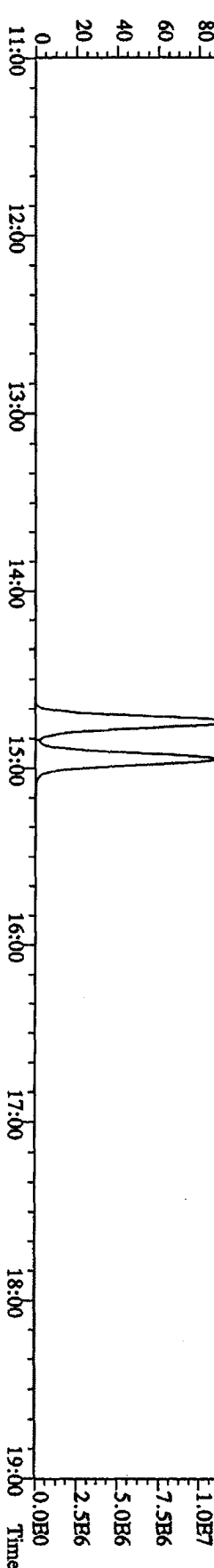
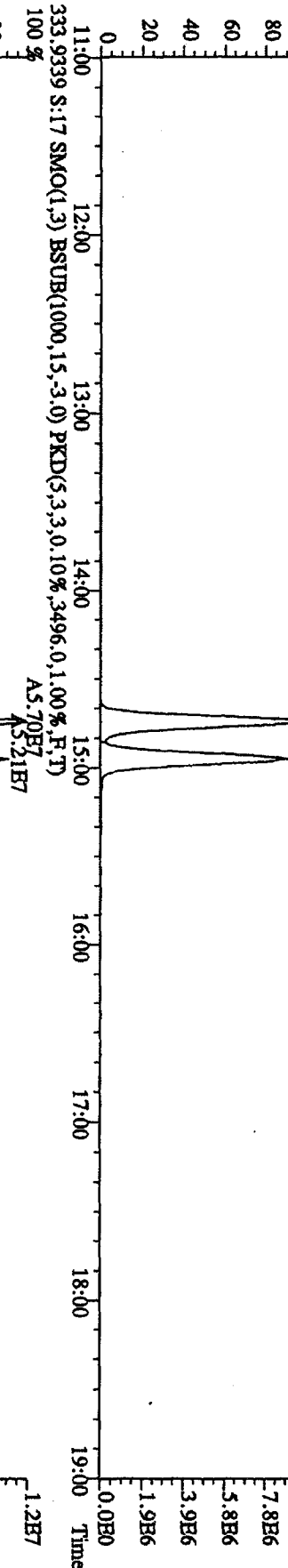
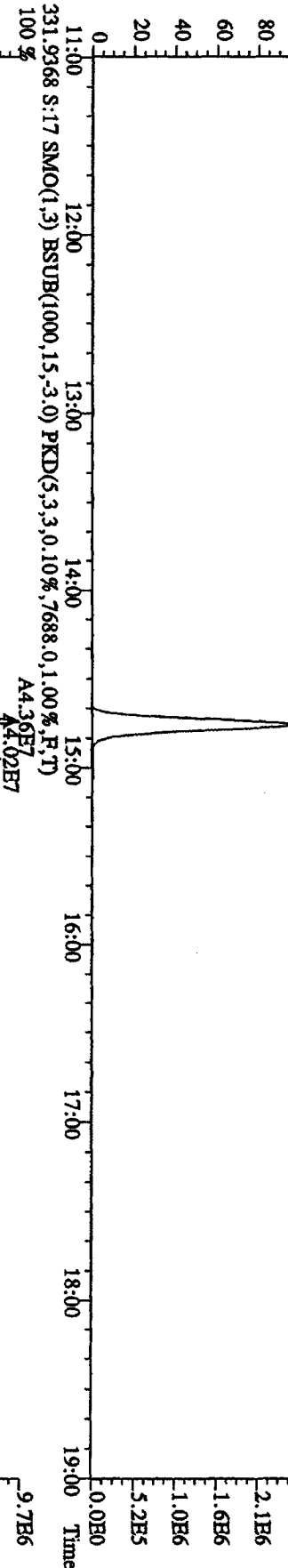
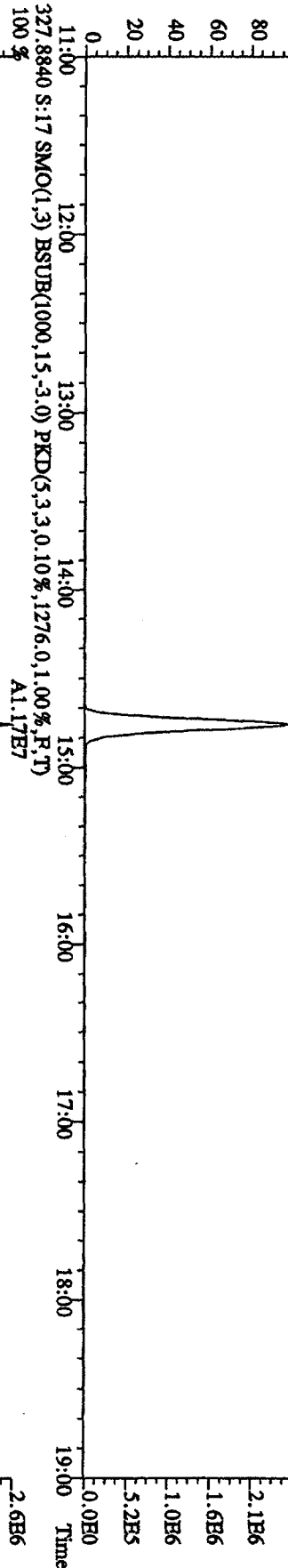
File: 21API05D2 #1-1241 Acq: 21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text: ST0421L 2nd Source 09DXN449 Exp: DIOXIN
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3300,0,1,00%,F,T)
 100%



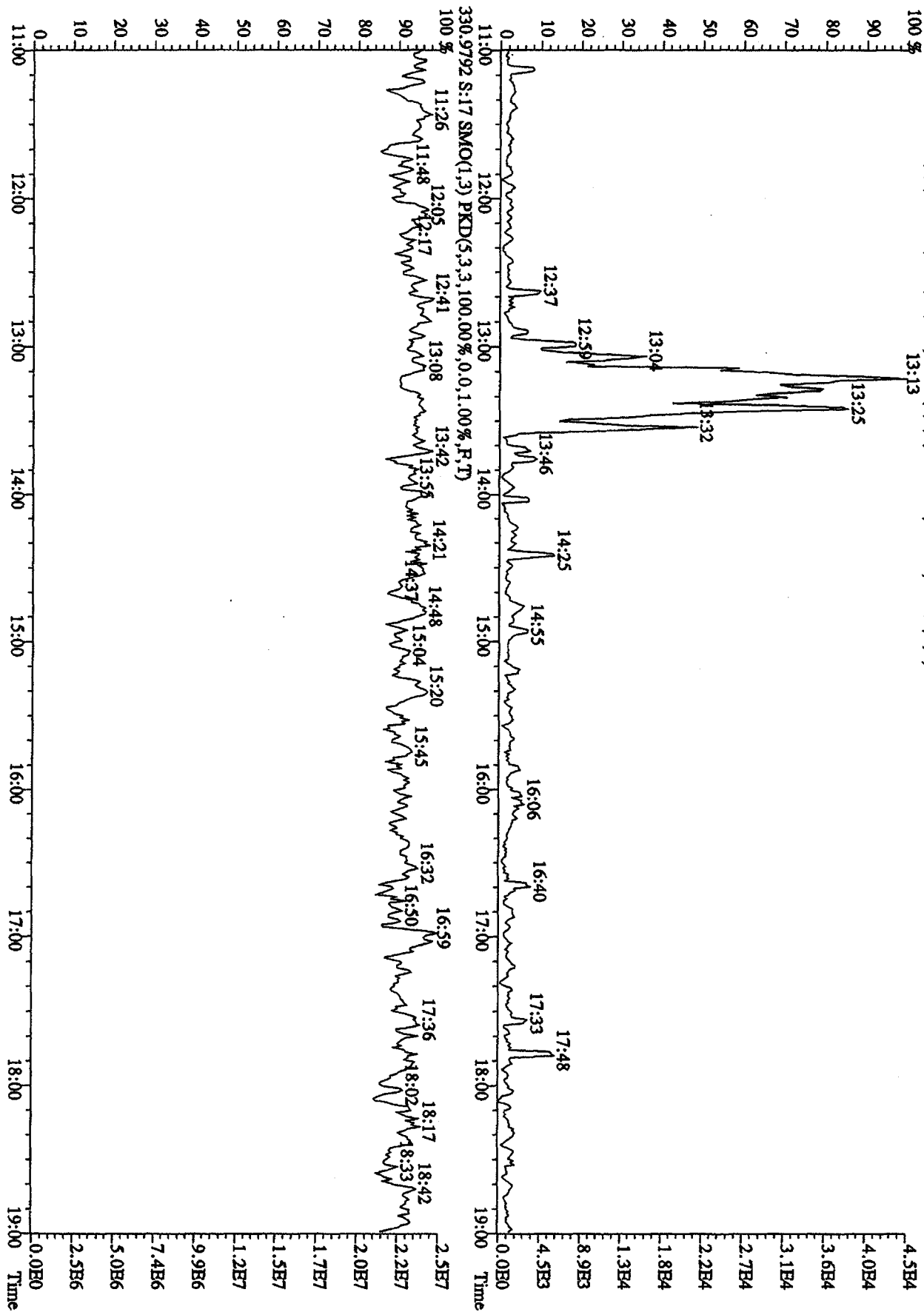
File: 21AP105D2 #1-1241 Acq: 21-APR-2010 20:08:50 GC EI + Voltage SIR 70SB
 Sample#17 Text: ST0421L 2nd Source 09DXN449 Exp: DIOXIN
 319.8965 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3000,0,1,00%,F,T)
 100%



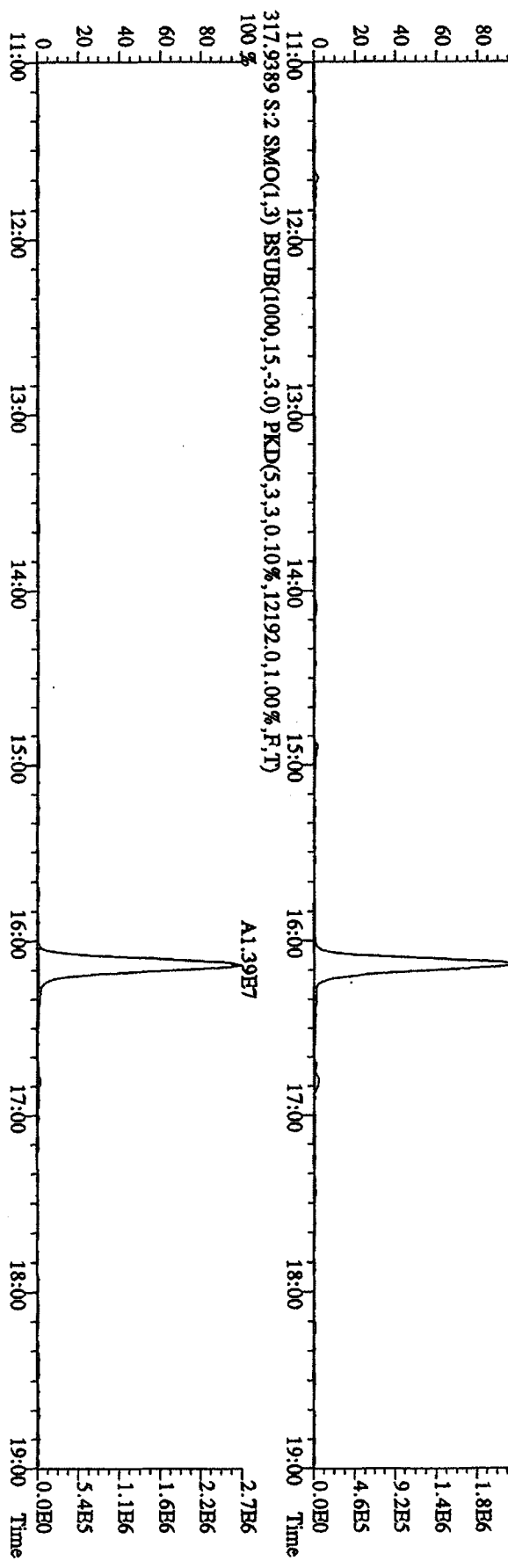
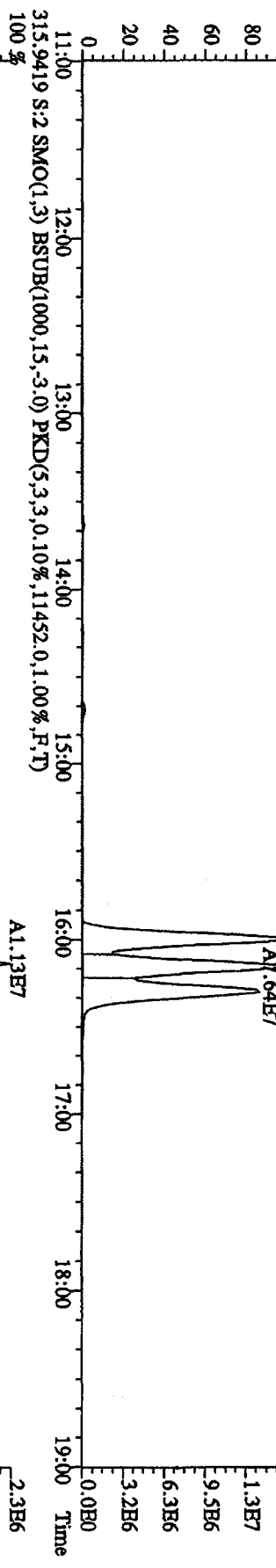
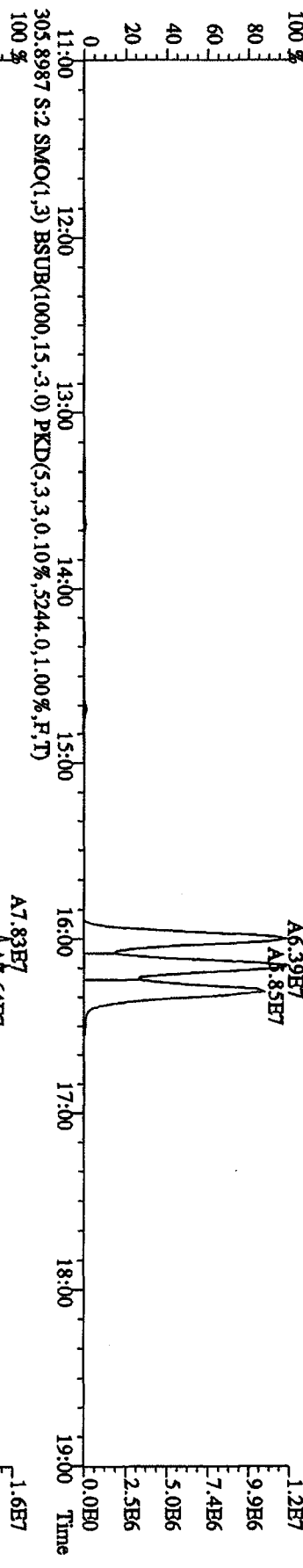
File: 21AP105D2 #1-1241 Acq: 21-APR-2010 20:08:50 GC EI+ Voltage SFR 70SE
 Sample#17 Text: ST0421L ; 2nd Source 09DXN449 Exp: DIOXIN
 327.8840 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1276,0,1,00%,F,T)
 100% A1.17E7



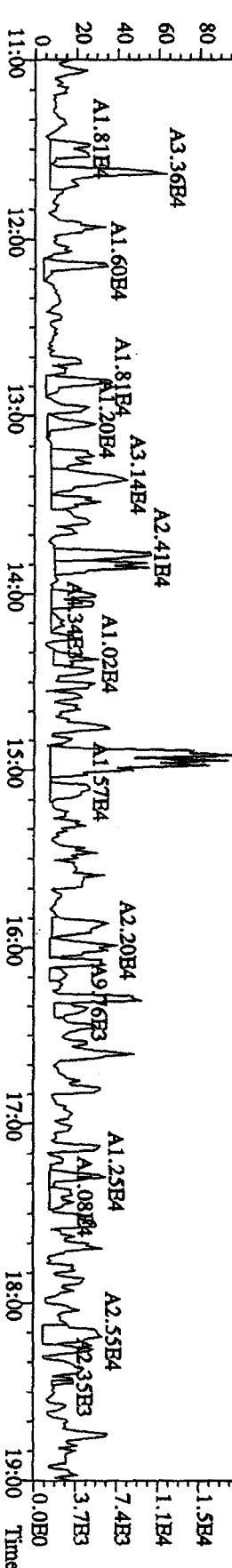
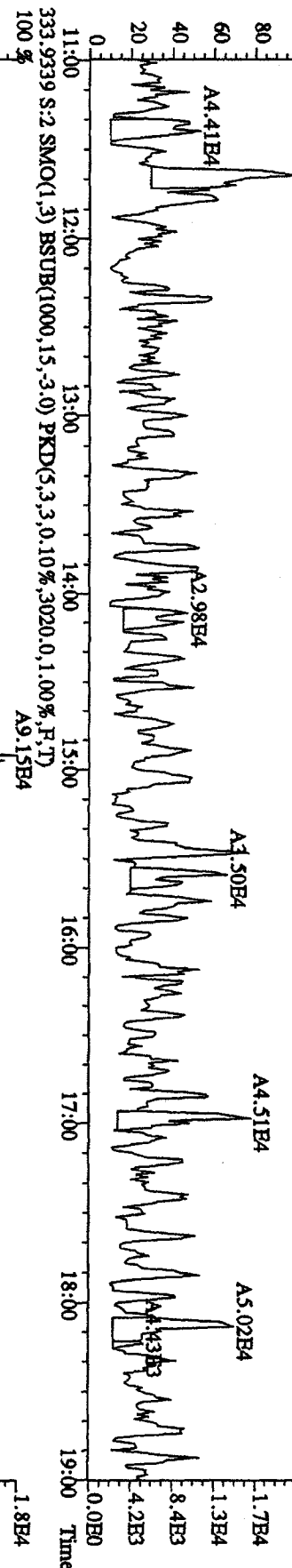
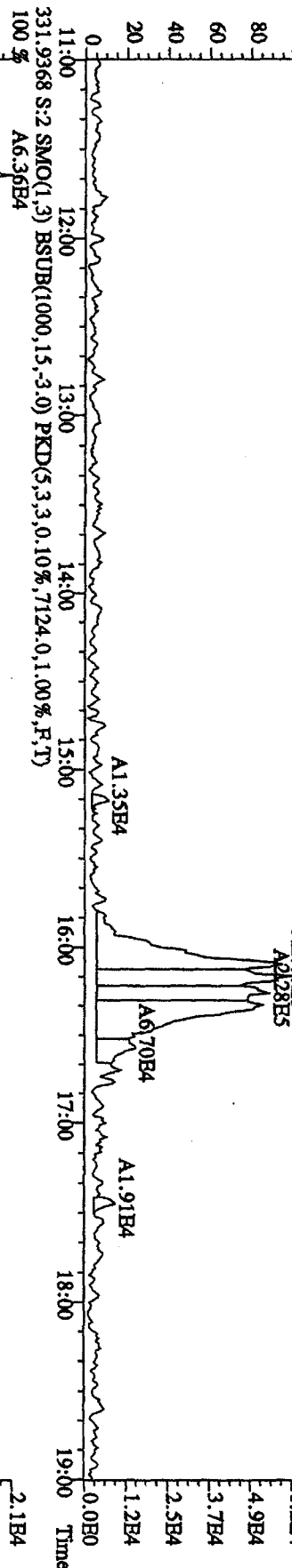
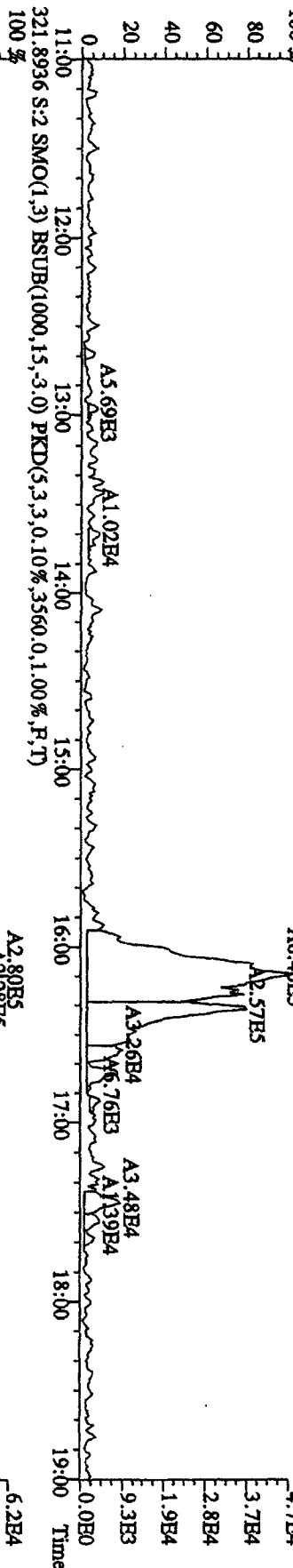
File: 21API05D2 #1-1241 Acq: 21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text: ST0421L 2nd Source 09DXN449 Exp: DIOXIN
 375.8364 S: 17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1360,0,1.00%,F,T)
 100 %



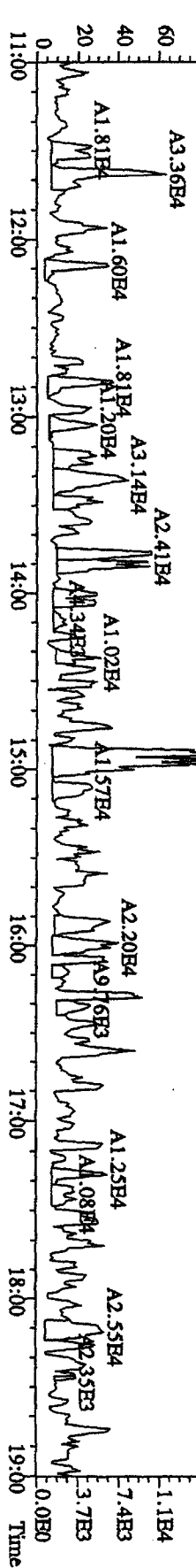
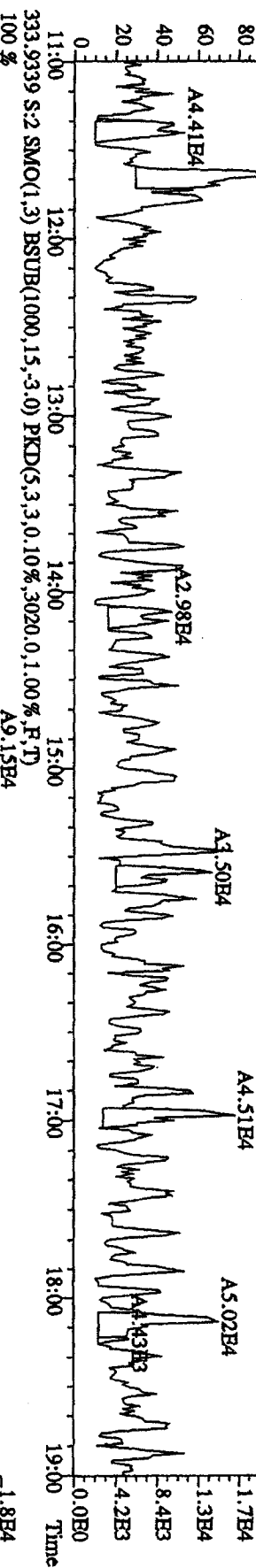
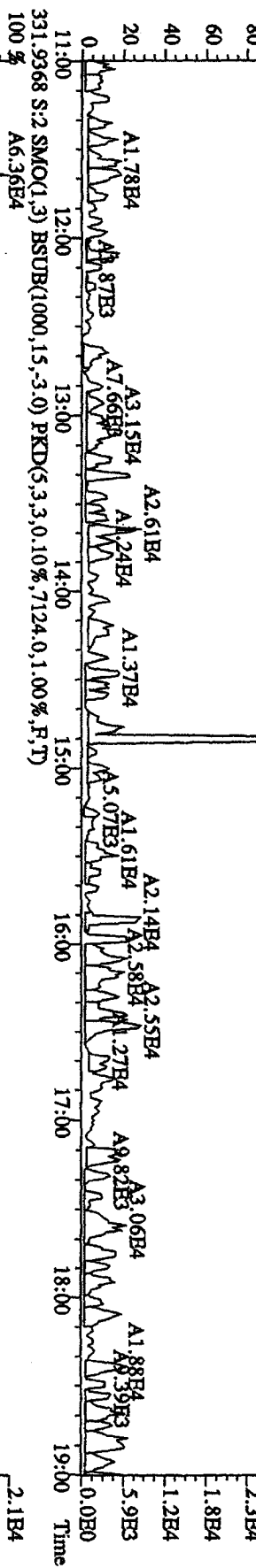
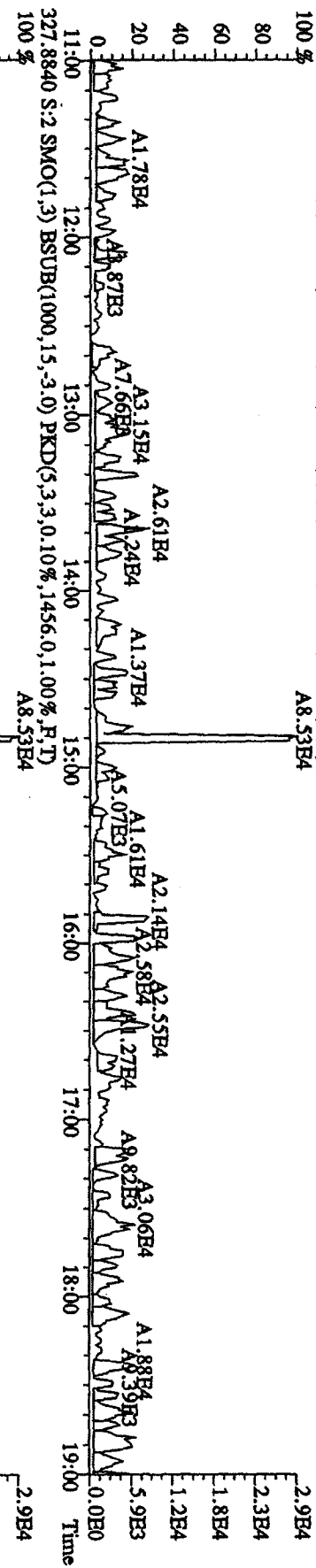
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC: EI+ Voltage: SIR 70SE
 Sample#2 Text: CP0421 : DB-225 CPSM 3732-06 Exp: DIOXIN
 303.9016 S: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3996.0,1.00%,F,T) 100%



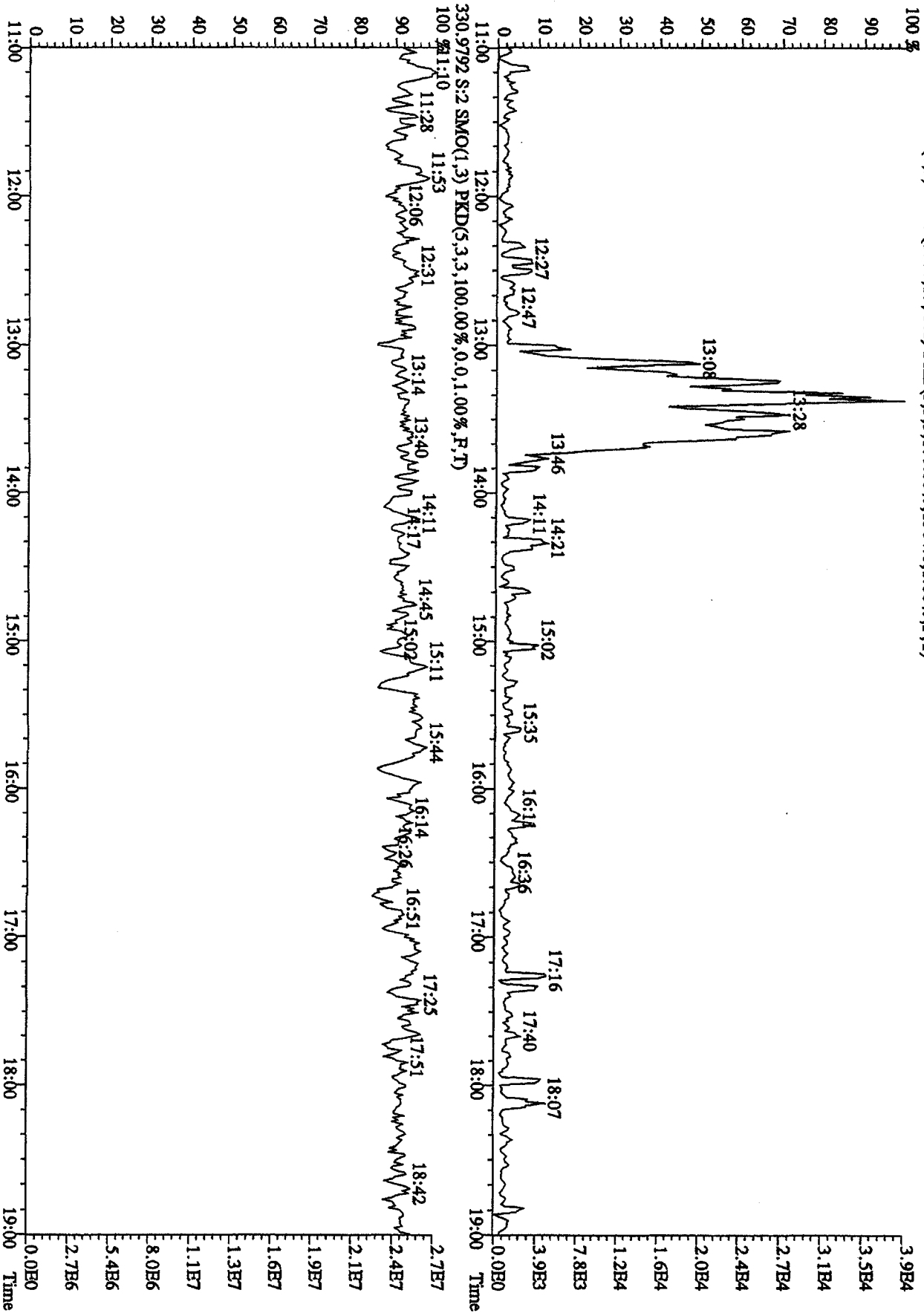
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC FI+ Voltage SIR 70SE
 Sample#2 Text: CP0421 :DB-225 CPSM 3732-06 Exp: DIOXIN
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384,0.1,0.0%,F,T)
 100 %



File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC HI + Voltage SIR 70SE
 Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456,0,1.00%,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 CPSM 3732-06 Exp: DIOXIN
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Initial Calibration Checklist Dioxin Methods

ICAL ID (8290, 1613, TO9, 23, 0023A, TETRAS) 1231091D5

Method ID 8290, 1613B, TO9, 23, 0023A

Date Scanned 01/11/10

Column ID DB5

Instrument ID 1D5

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~~ 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:

CS2 Retention Times: 13C-1,2,3,4-TCDD 18:40
13C-1,2,3,7,8,9-HxCDD 32:49

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10
Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

ST1231B :CS-1 09DXM422 ST1231C :CS-2 09DXM423 ST1231D :CS-3 09DXM425
 ST1231E :CS-4 09DXM426 ST1231F :CS-5 09DXM456

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
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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-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
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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		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

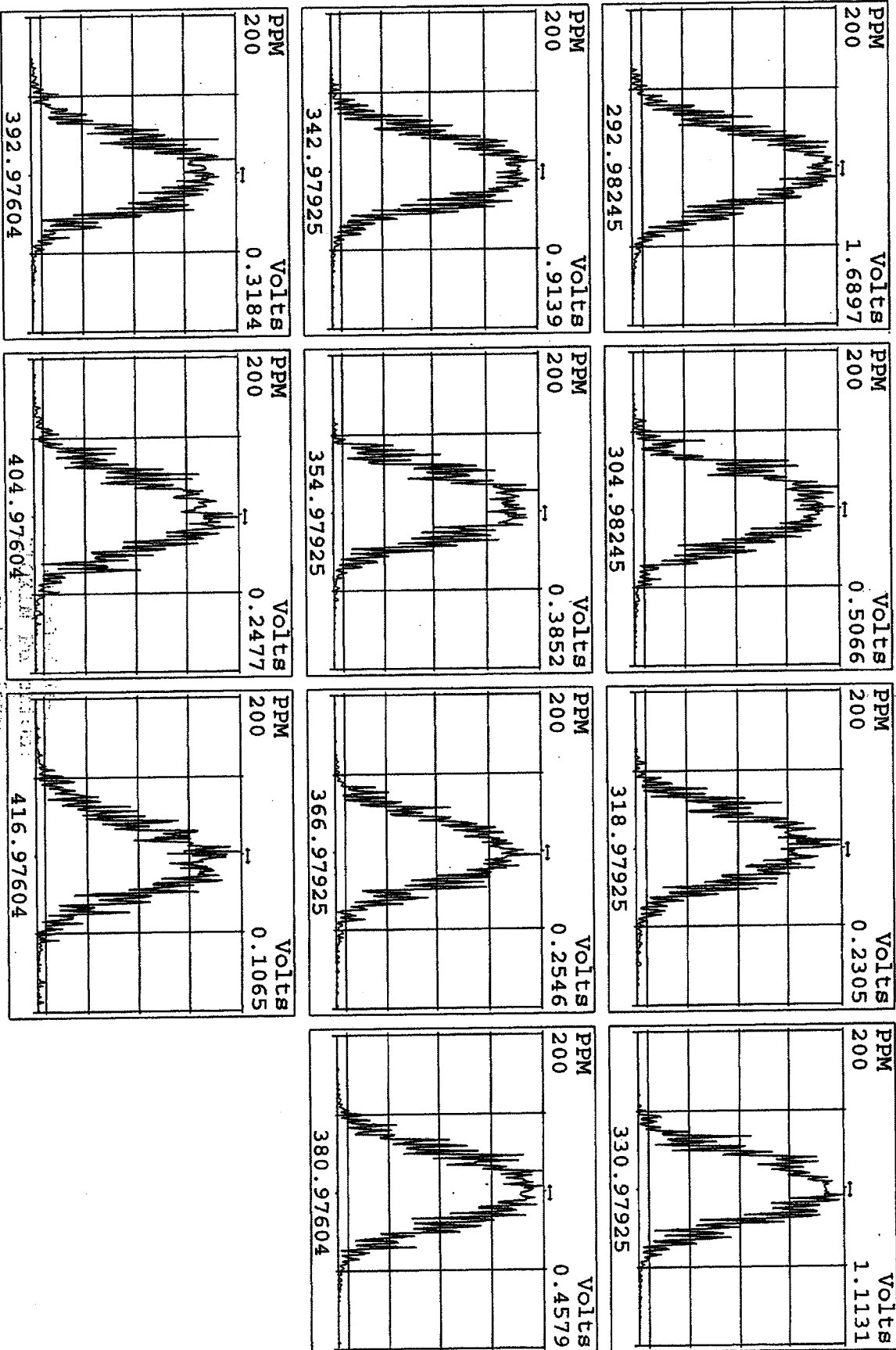
Comments:

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

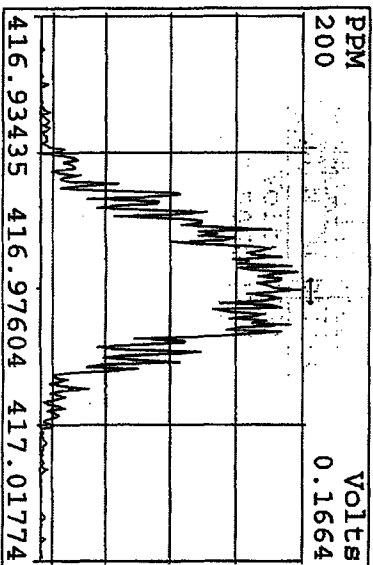
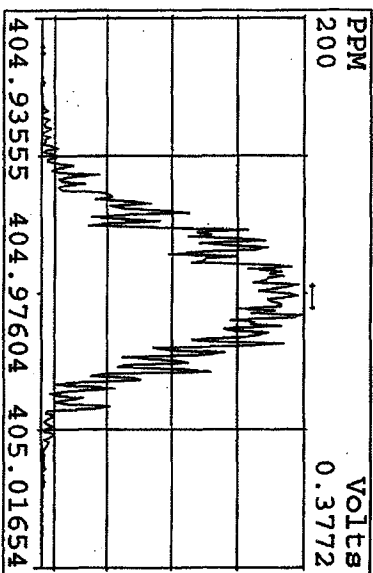
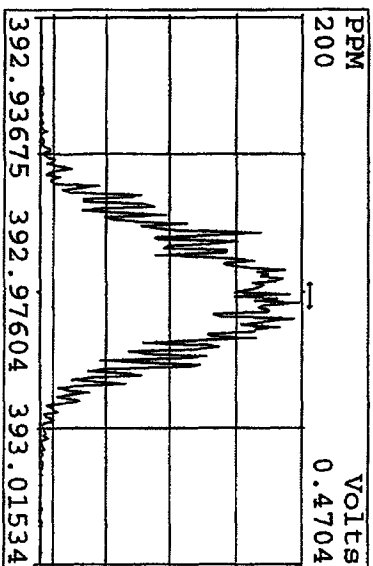
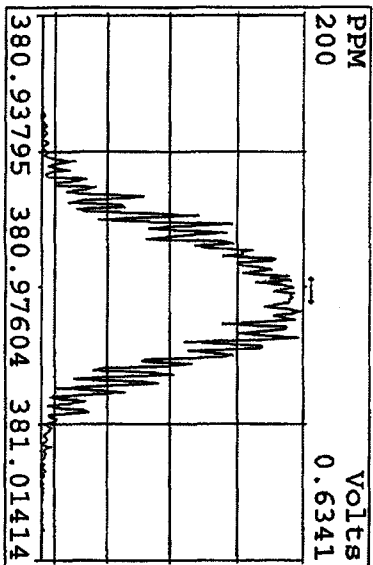
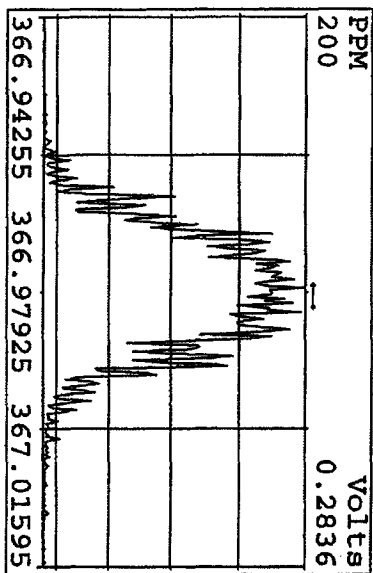
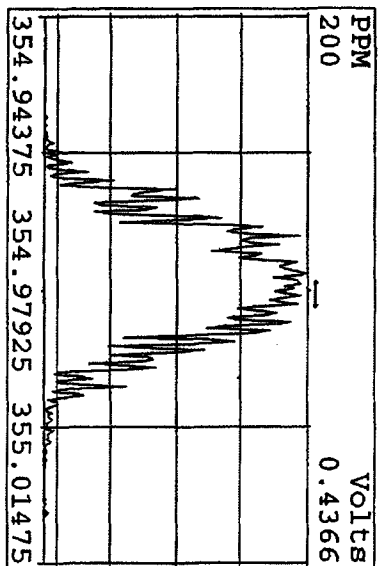
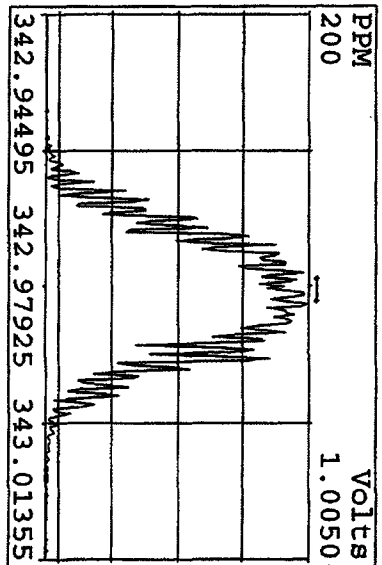
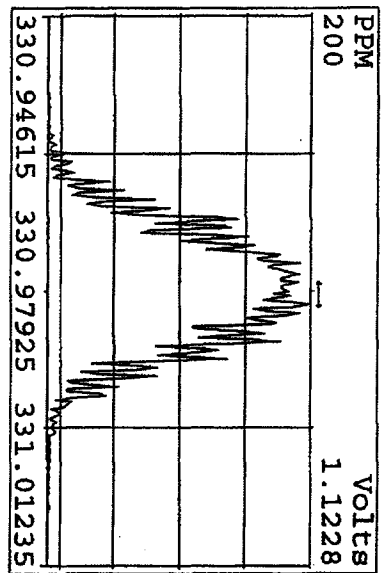
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31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
31DE09A1D5	8	ST1231G	2nd Source 09DXN449	500	1613B/8290		1.000	
31DE09A1D5	9						1.000	
31DE09A1D5	10						1.000	
31DE09A1D5	11						1.000	
31DE09A1D5	12						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

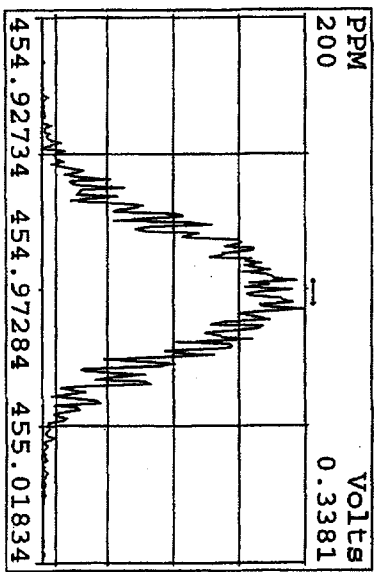
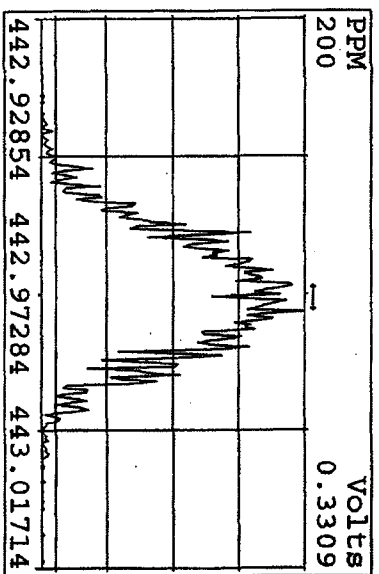
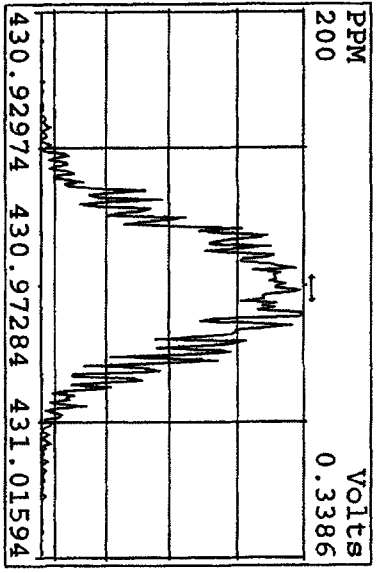
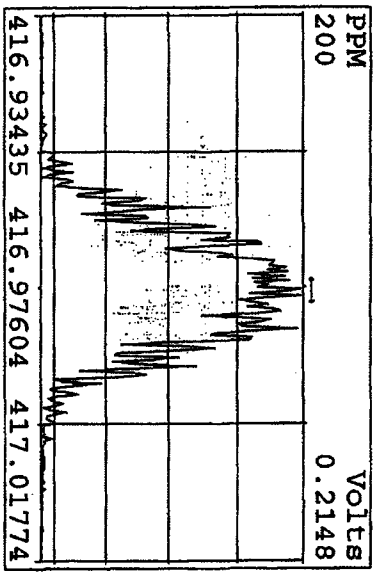
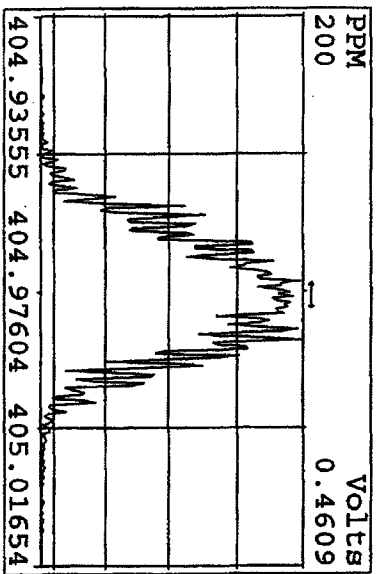
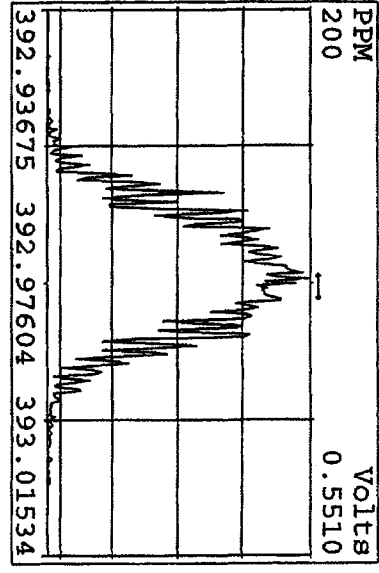
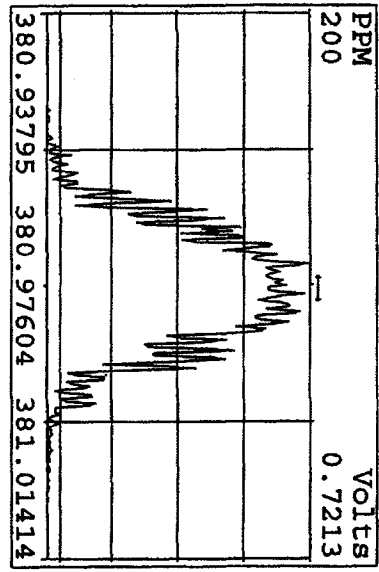
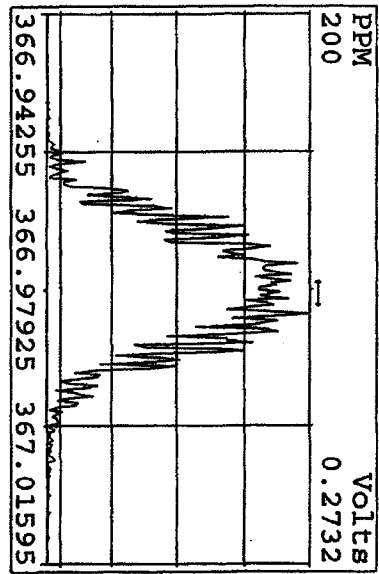


VOI18
200
0.5066
200

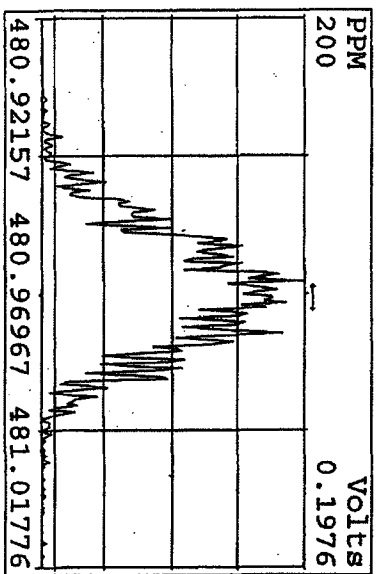
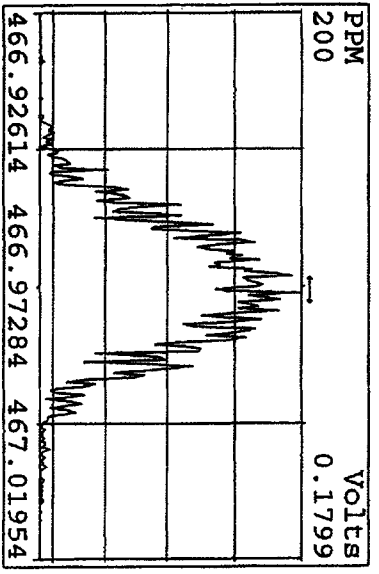
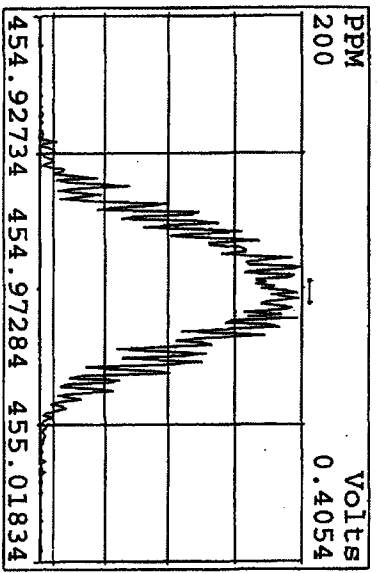
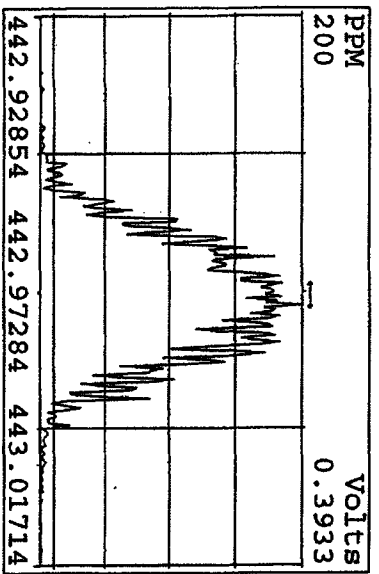
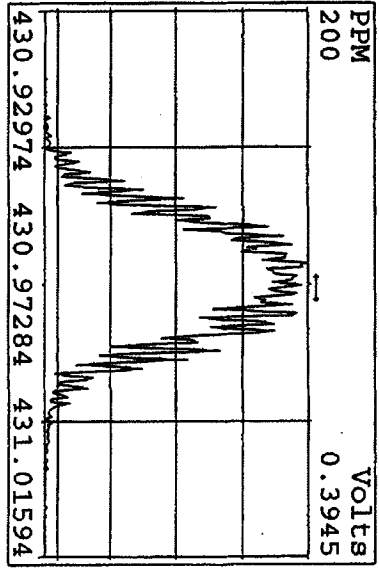
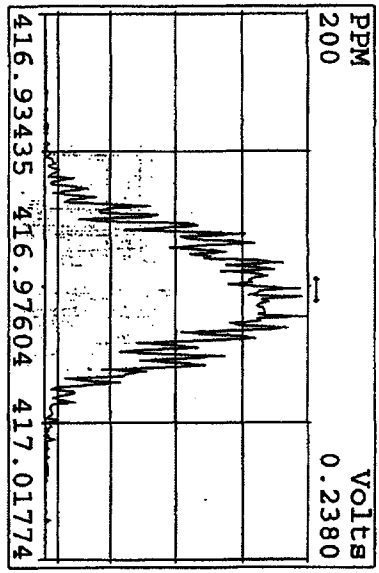
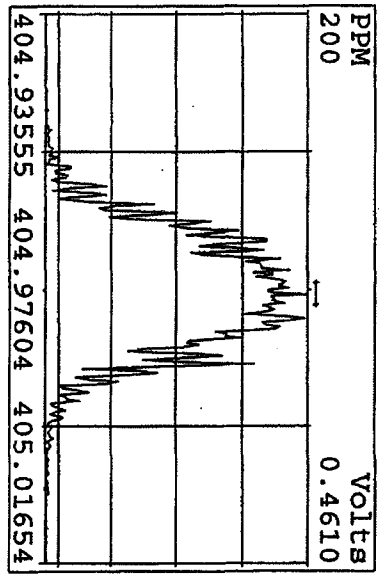
Peak Locate Examination:31-DEC-2009:23:20 File:31DE09A1D5
 Experiment:DIOXIN Function:2 Reference:PFK



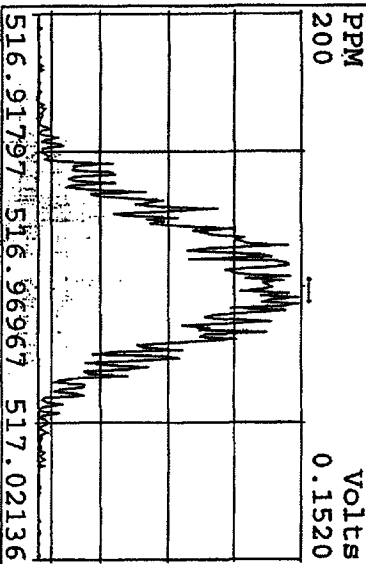
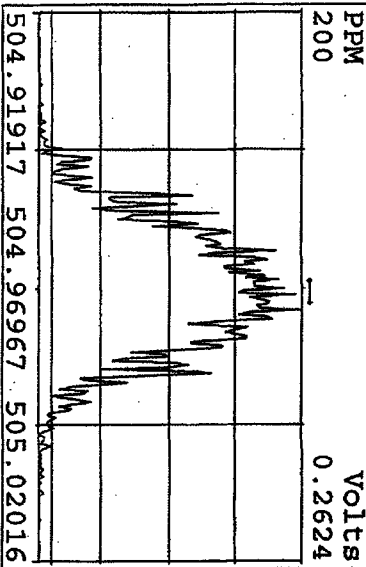
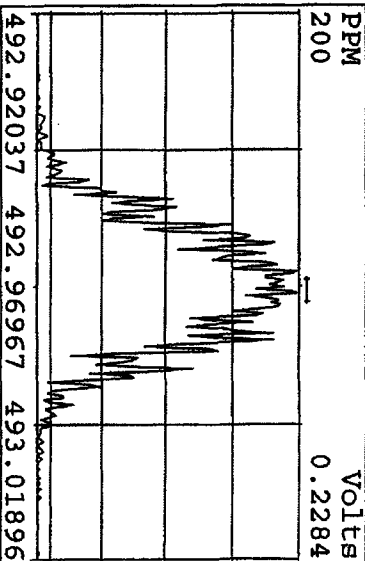
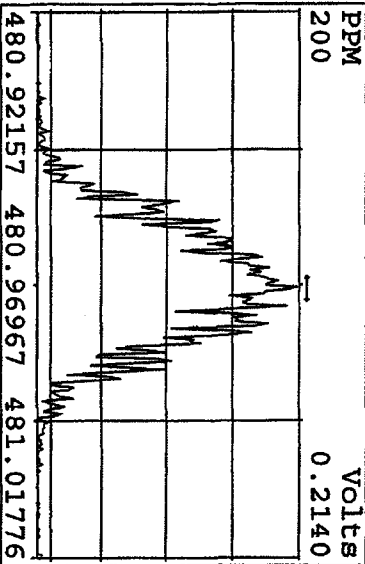
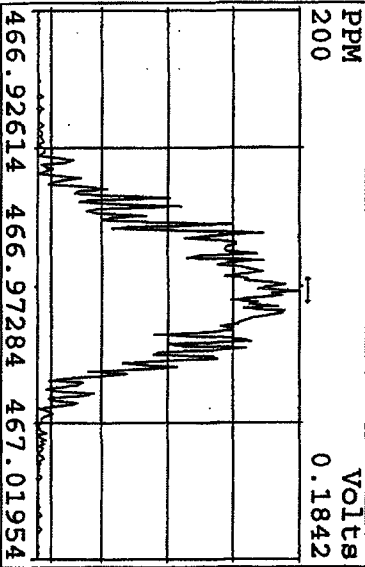
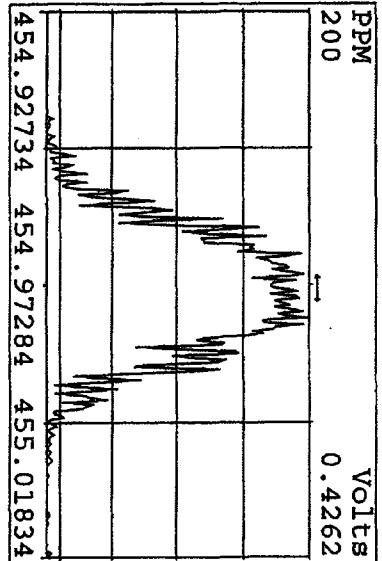
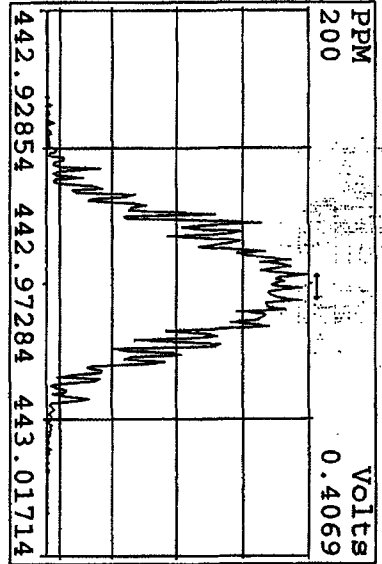
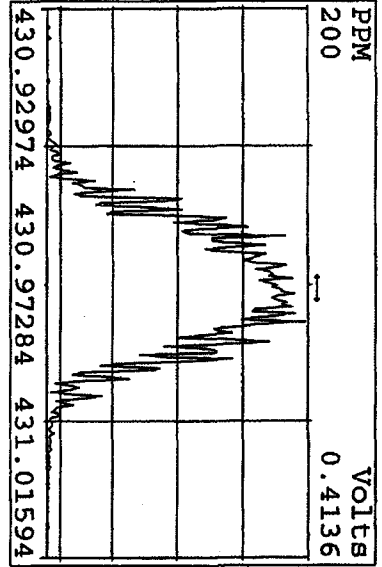
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5
 Experiment:DIOXIN Function:3 Reference:PFK



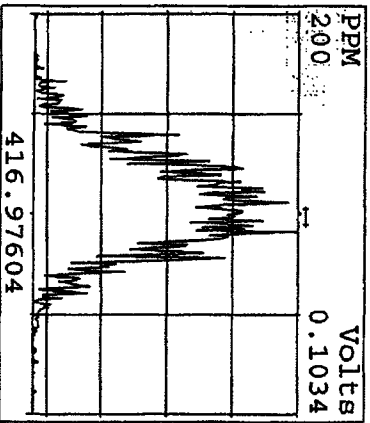
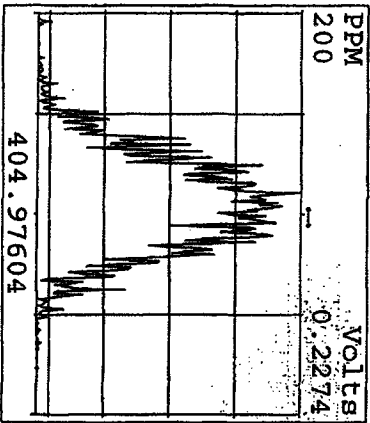
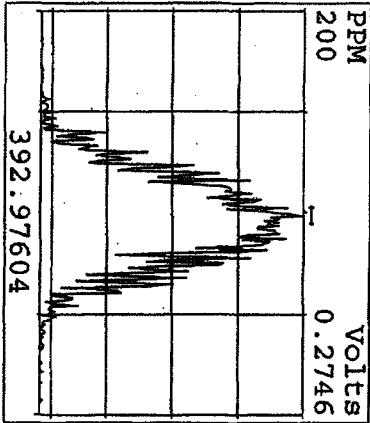
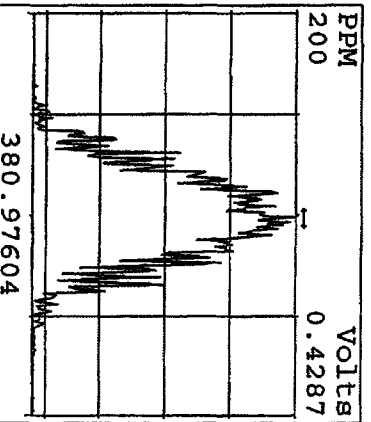
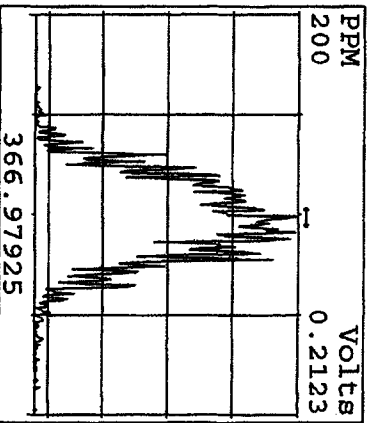
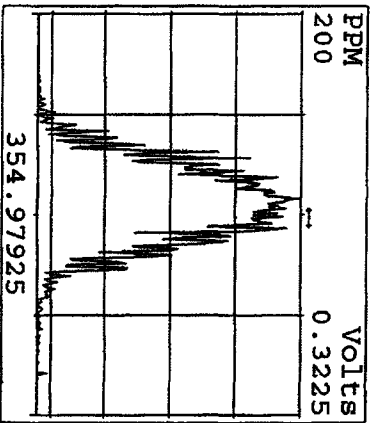
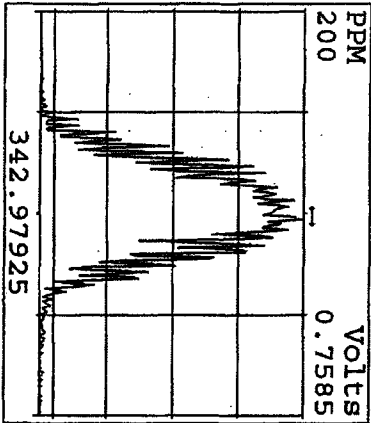
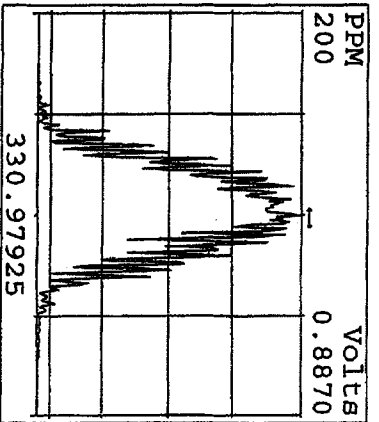
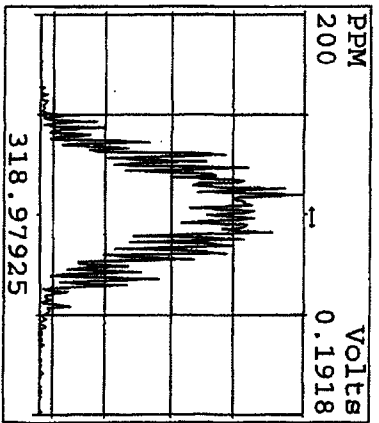
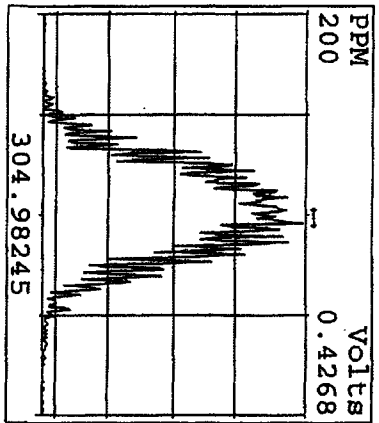
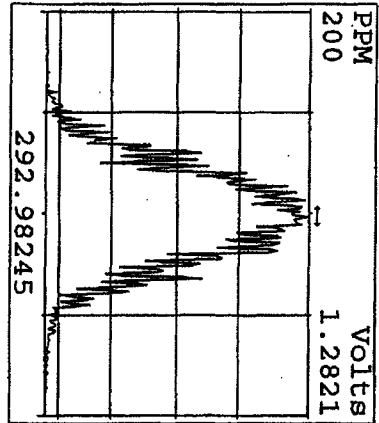
Peak Locate Examination: 31-DEC-2009:23:22 File: 31DE09A1D5
 Experiment: DIOXIN Function: 4 Reference: PFK



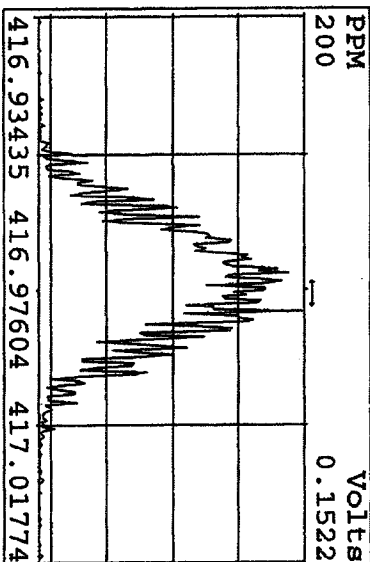
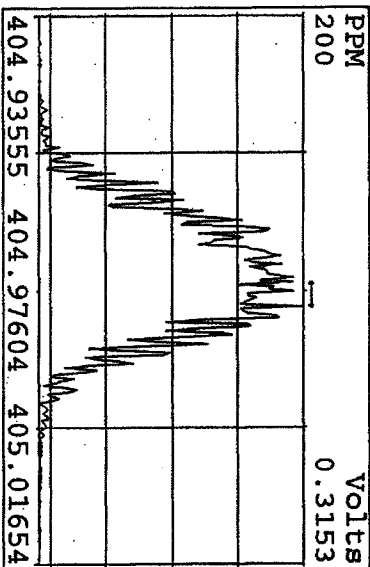
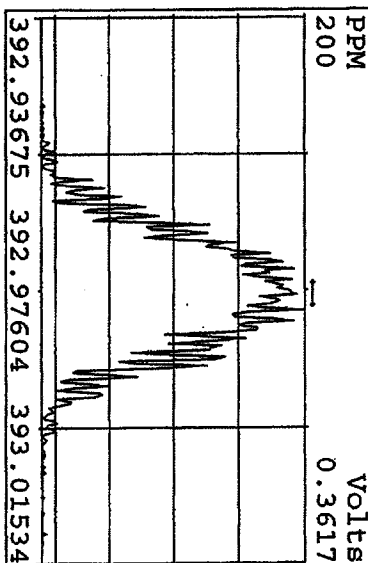
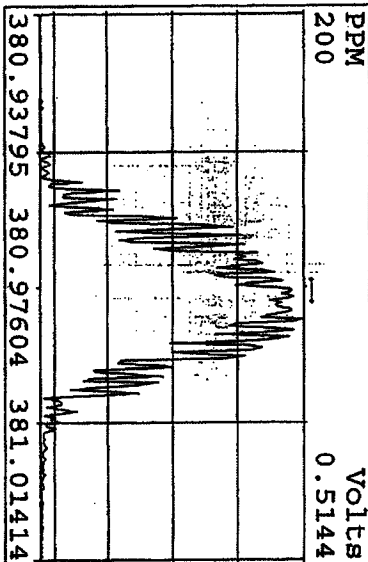
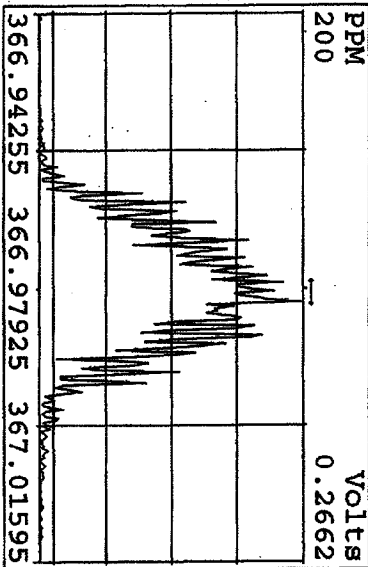
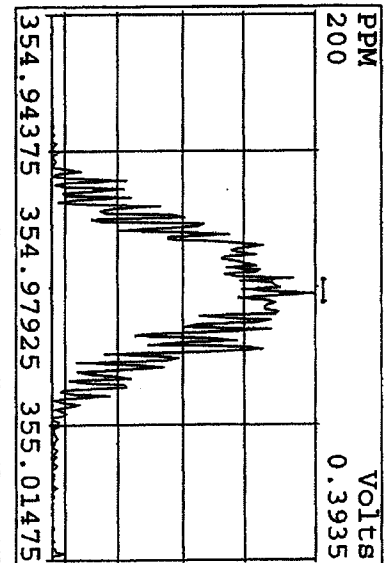
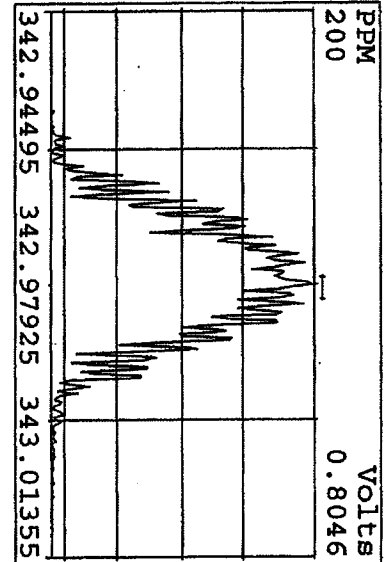
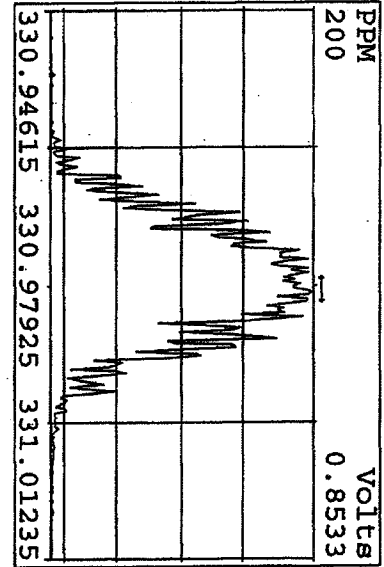
Peak Locate Examination: 51-DEC-2009:23:24 File:31DE09A1D5
 Experiment: DIOXIN Function: 5 Reference: PKF



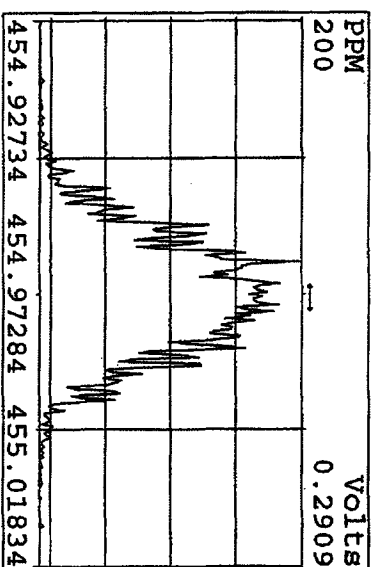
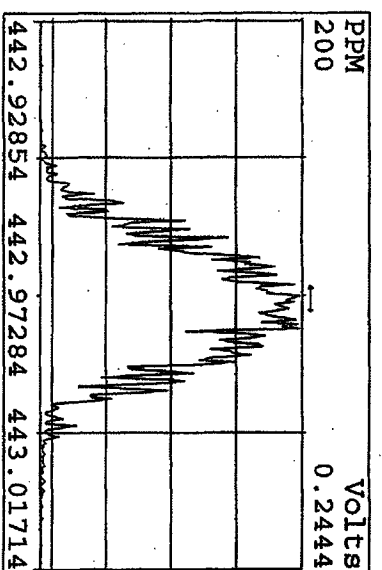
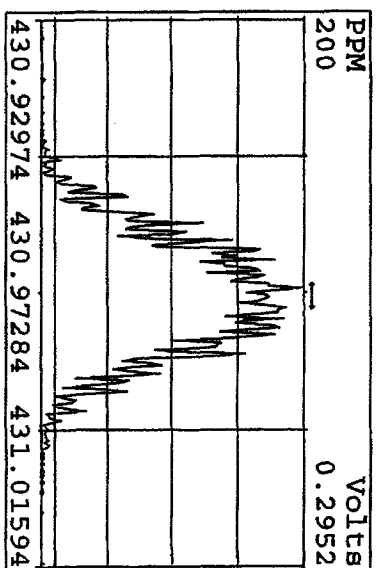
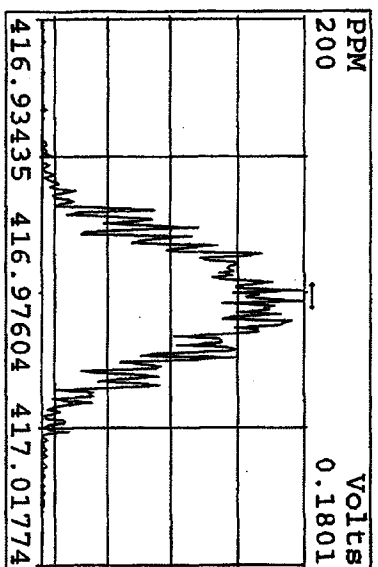
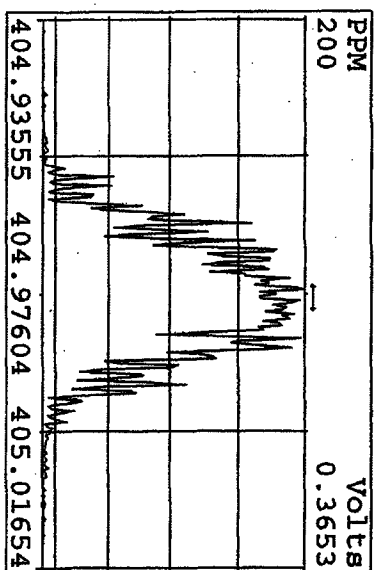
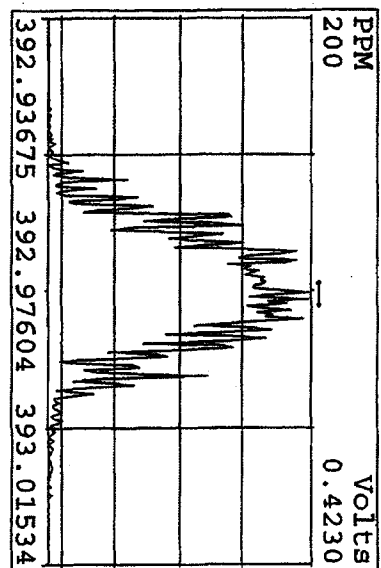
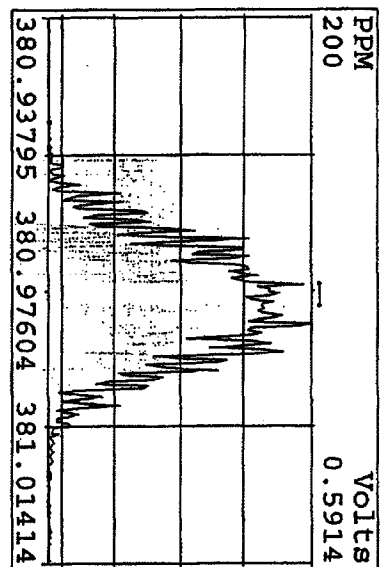
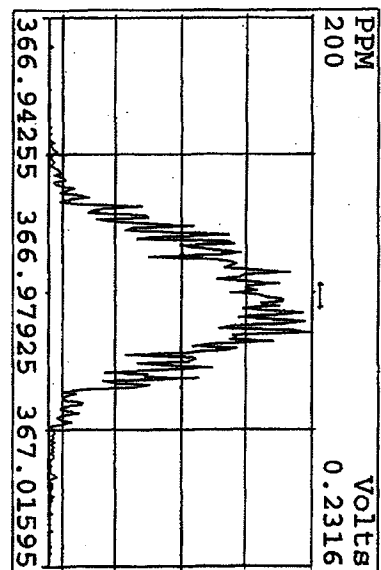
Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5
Experiment:DIOXIN Function:1 Reference:PFK



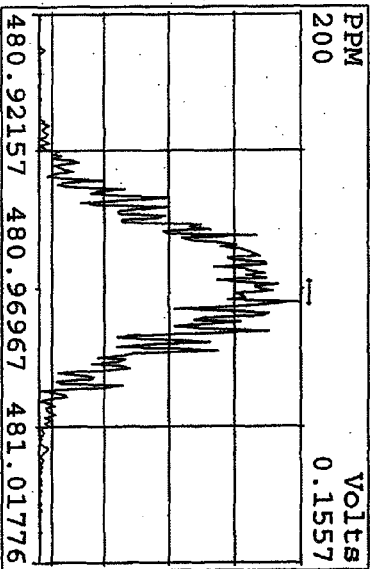
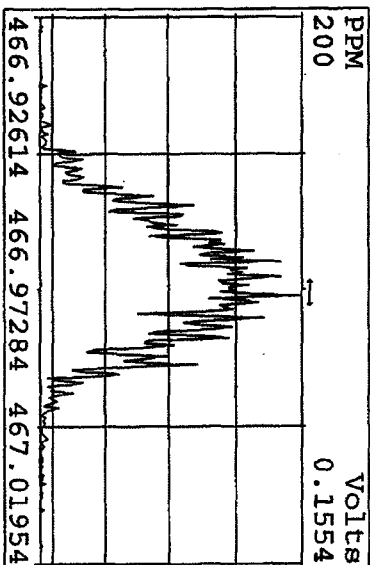
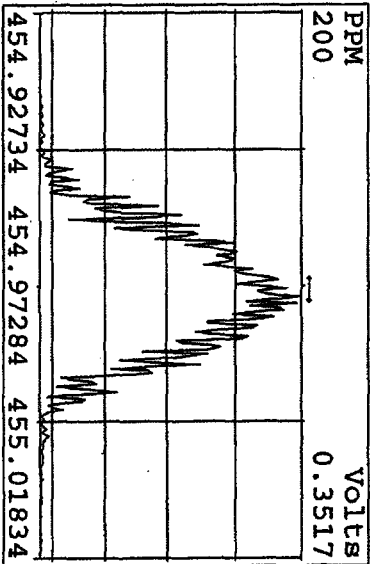
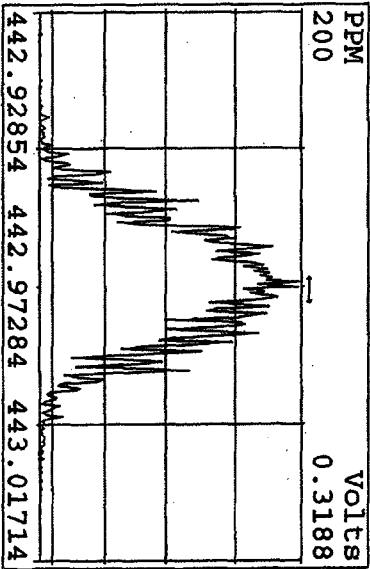
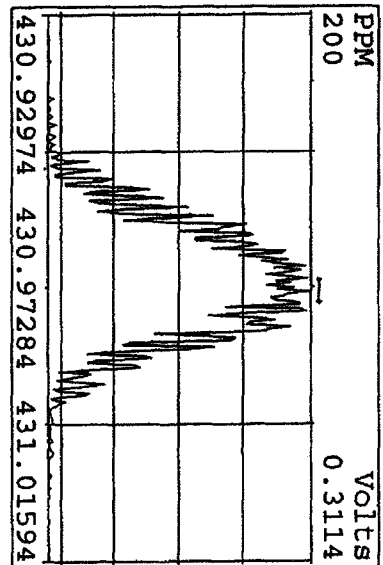
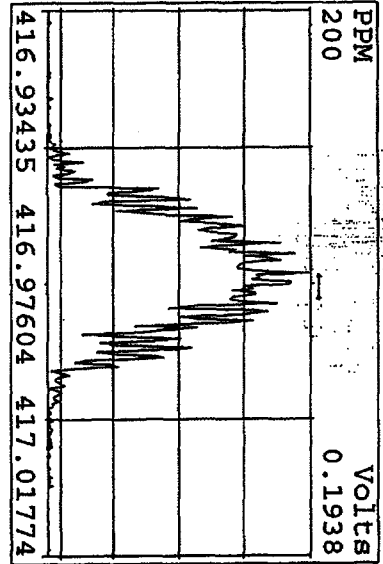
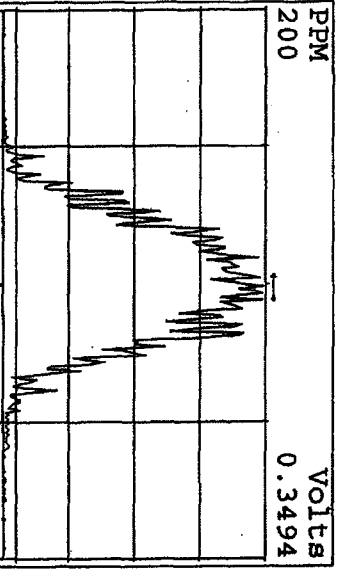
Peak Locate Examination: 1-JAN-2010:07:37 File:RSCHECK1.DS
 Experiment:DIOXIN Function:2 Reference:PFK



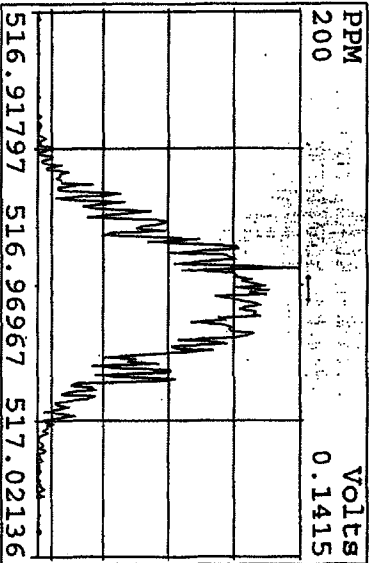
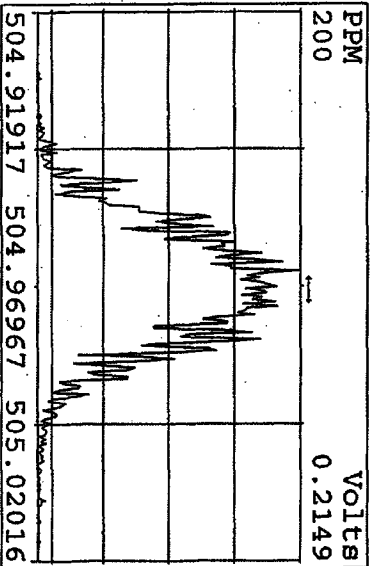
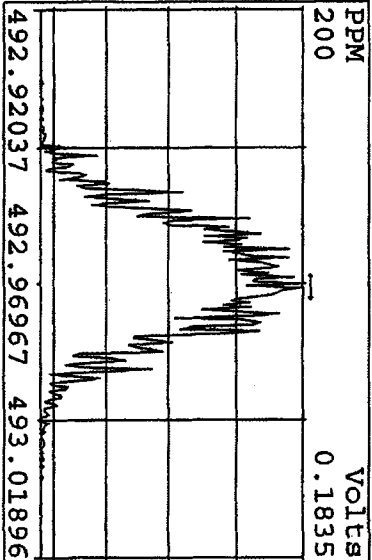
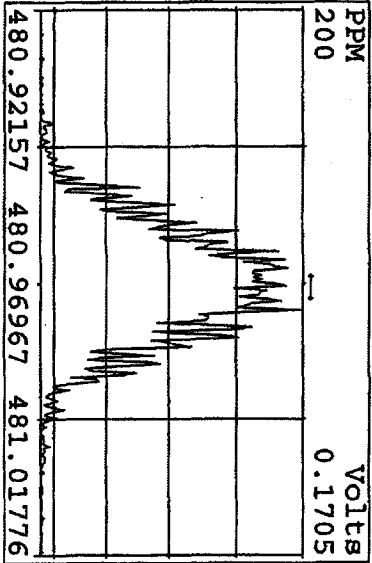
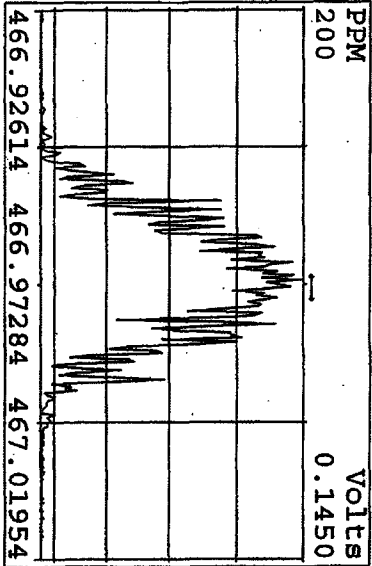
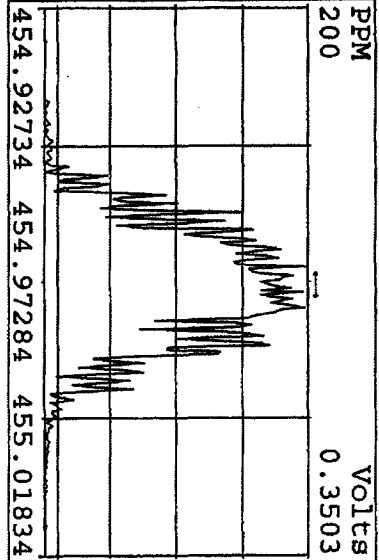
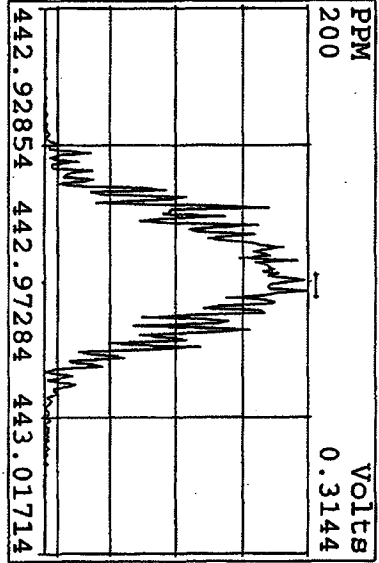
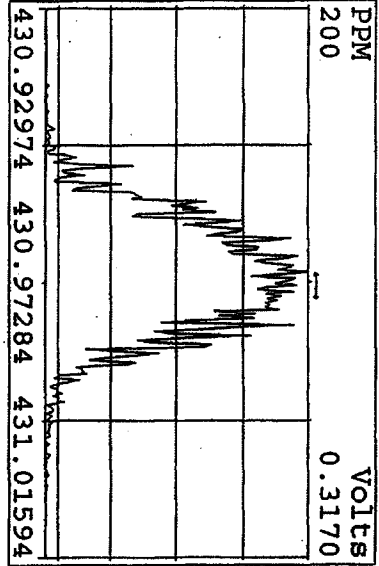
Peak Locate Examination: 1-JAN-2010:07:38 File: RESCHECK1D5
 Experiment: DIOXIN Function: 3 Reference: PFK



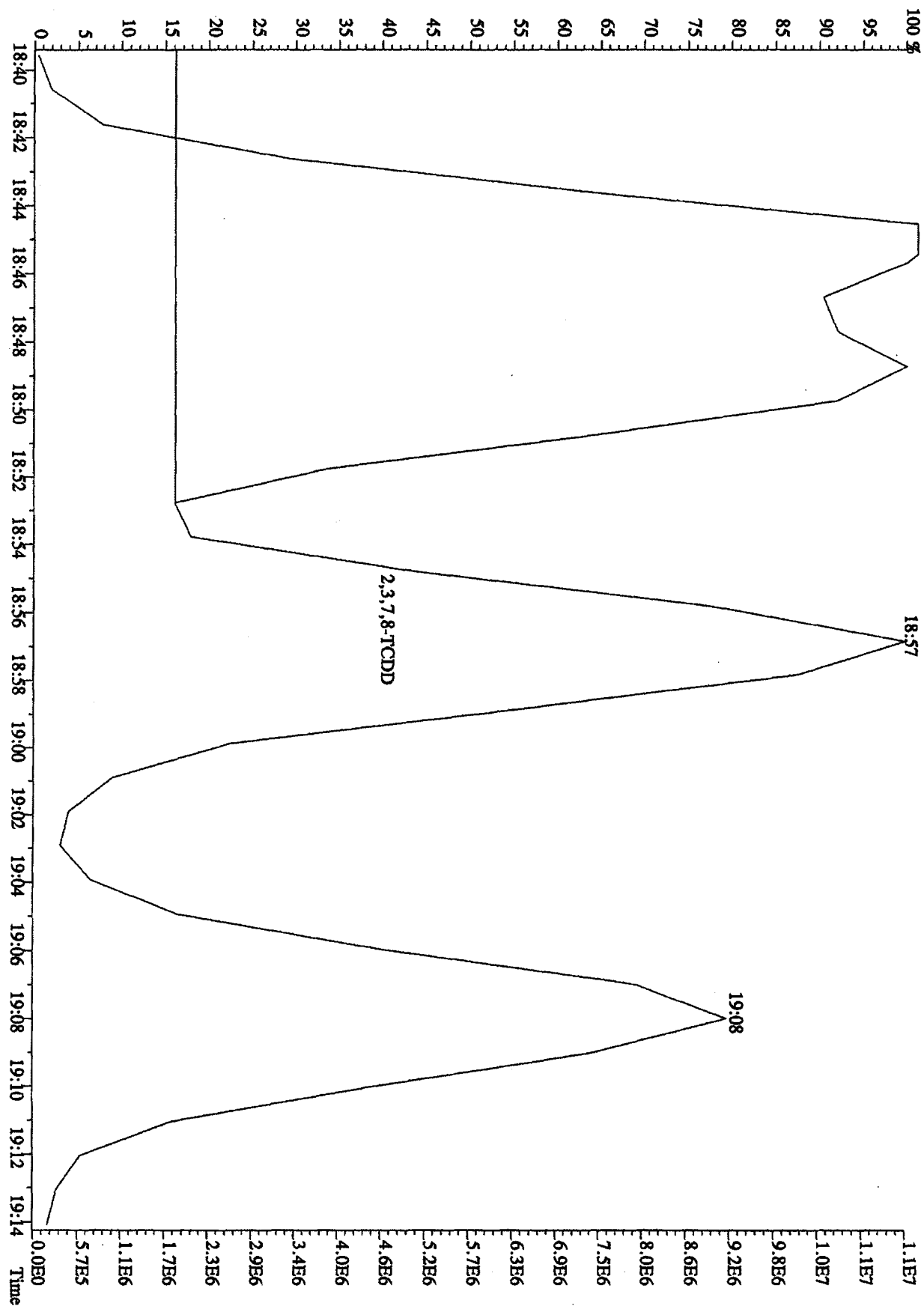
Peak Locate Examination: 17 JAN-2010:07:39 File: RESCHECK1D5
 Experiment: DIOXIN Function: 4 Reference: PFK



Peak Locate Examination: 1-JAN-2010:07:40 File:RSCHECK1D5
 Experiment:DIOXIN Function:5 Reference:PK



File: 31DE09A1D5 #1-410 Acq: 31-DEC-2009 23:25:43 GC EI + Voltage SIR 70SE
 Sample#1 Text: CP1231A :DB-5 CFSM 3732-04 Exp: DIOXIN

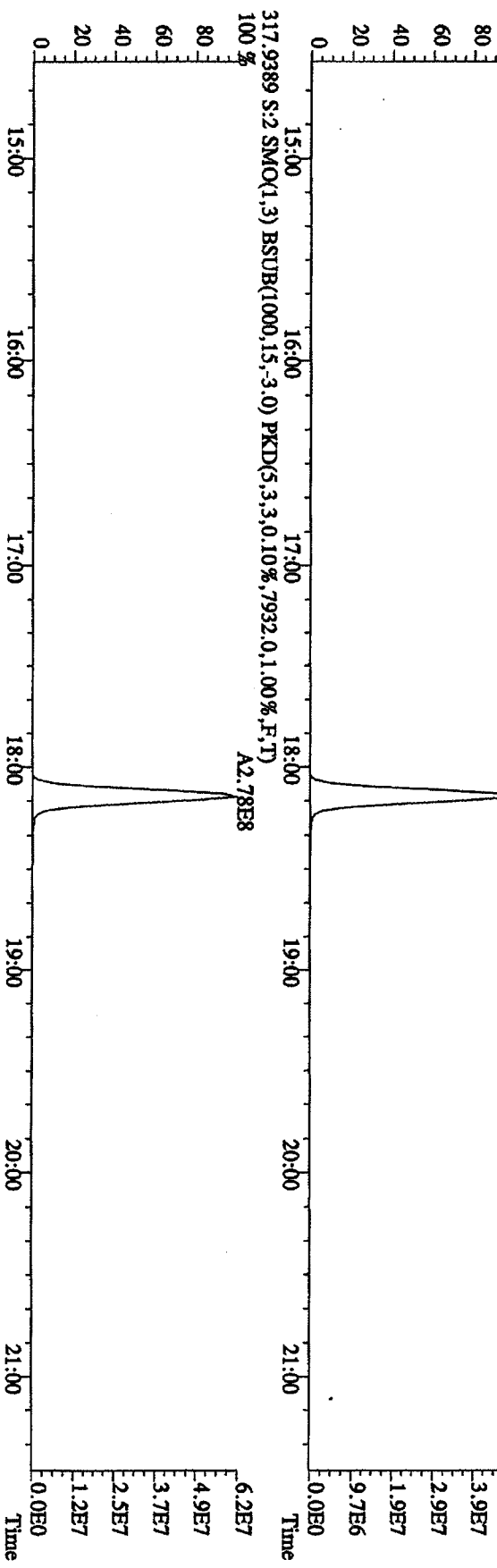
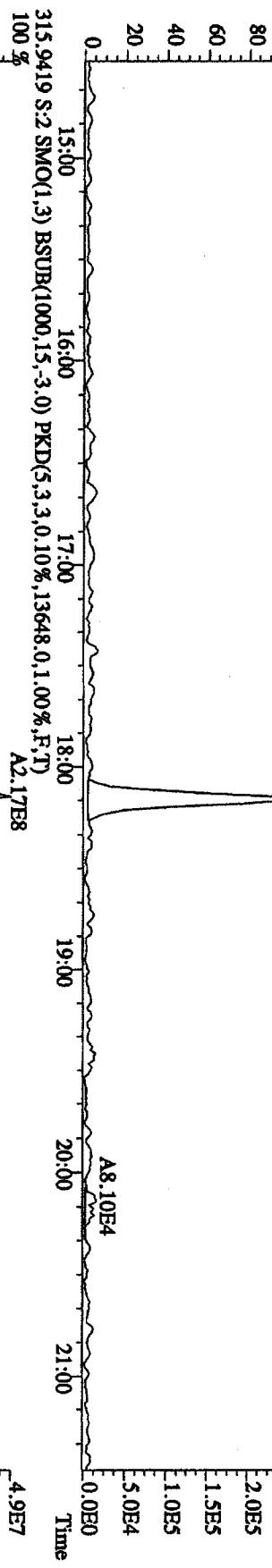
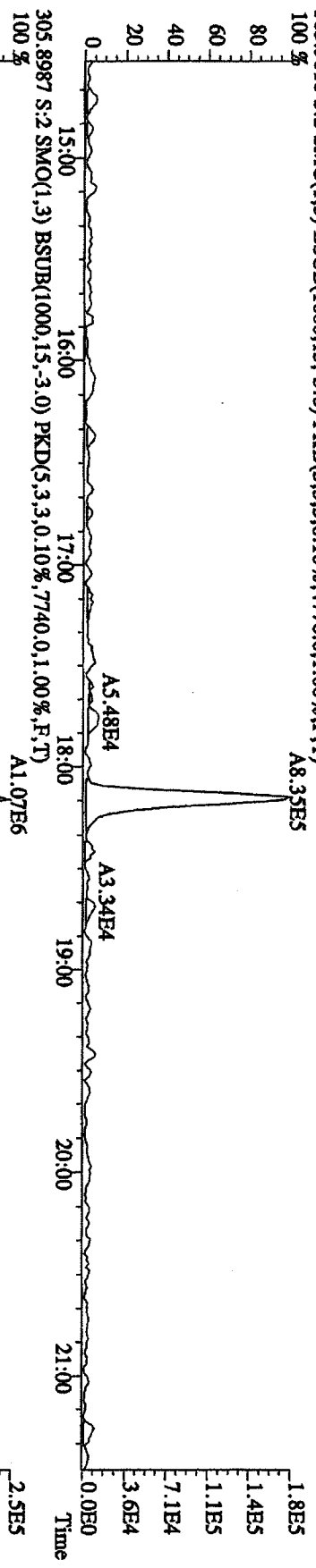


Run text: ST1231G Sample text: ST1231G :2nd Source 09DXN449
 Run #6 Filename: 31DE09A1D5 S: 8 I: 1 Results: 31DE09A1D51613
 Acquired: 1-JAN-10 04:19:56 Processed: 4-JAN-10 08:47:22
 Run: 31DE09A1D5 Analyte: 1613 Cal: 16131231091D5
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

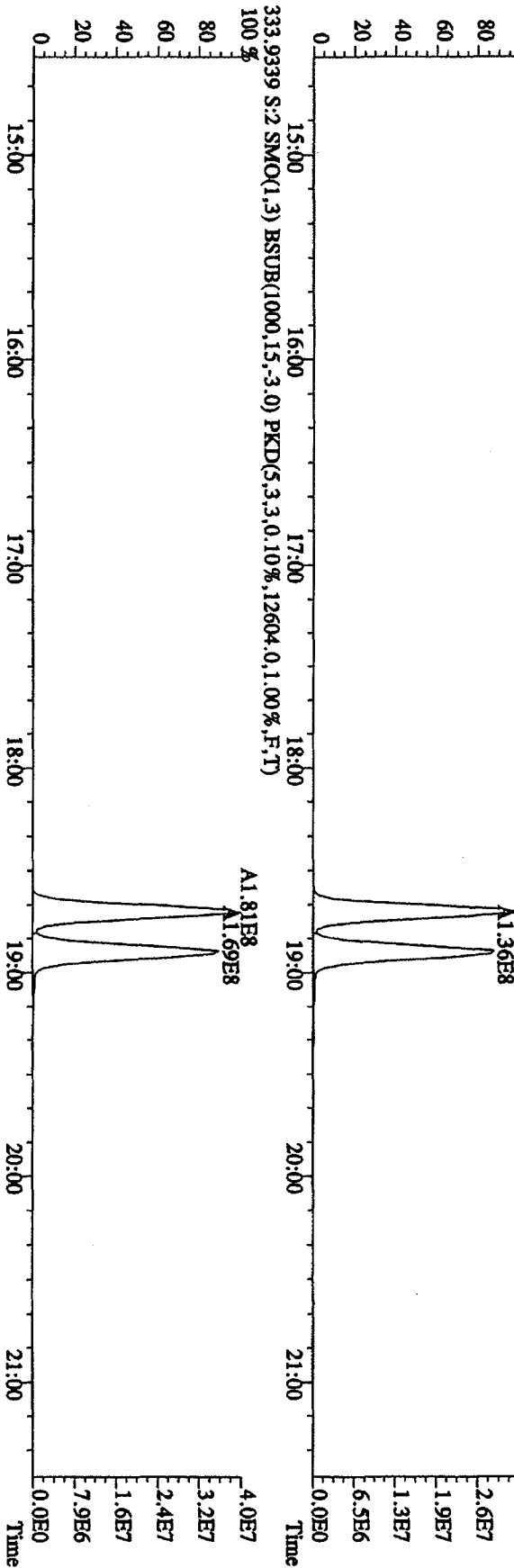
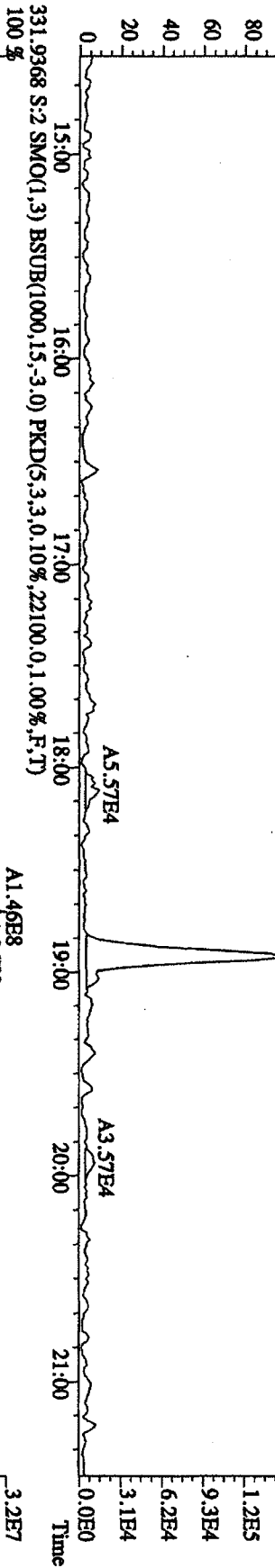
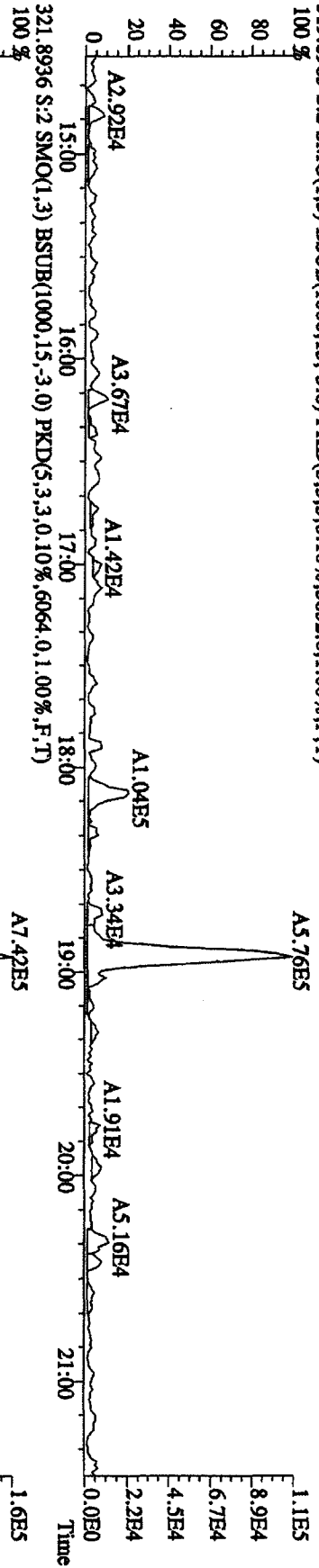
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	233268000	0.81 y	18:42	-	74.89	-	3.7	n
13C-2,3,7,8-TCDF	353417000	0.79 y	18:09	1.57	1934.92	1.89	96.7	n
2,3,7,8-TCDF	29473900	0.75 y	18:10	0.86	193.98	1.19	-	n
Total TCDF	29878342	0.71 y	17:44	0.86	196.64	1.19	-	n
13C-2,3,7,8-TCDD	237599000	0.79 y	18:54	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

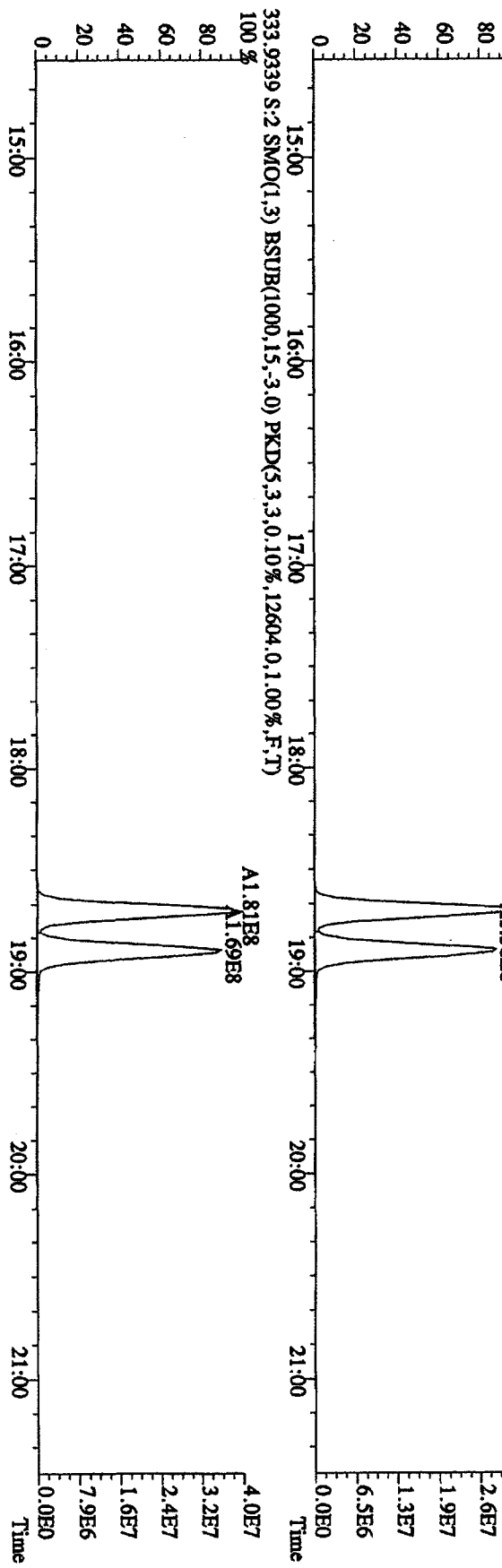
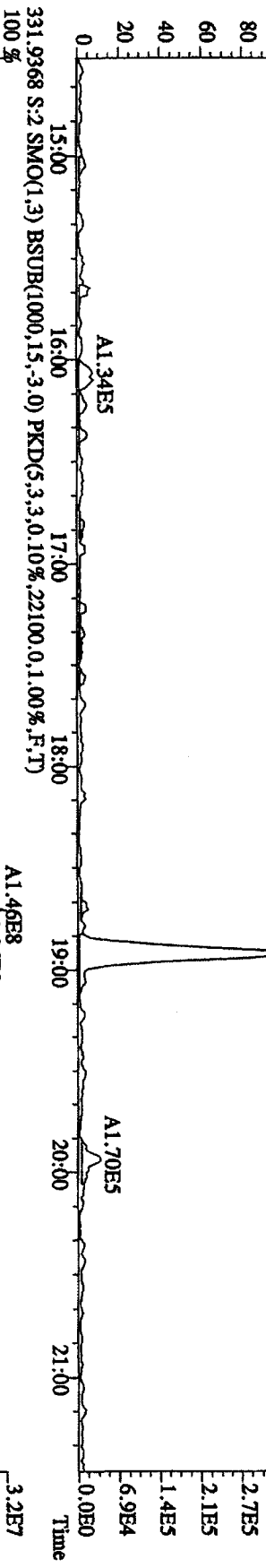
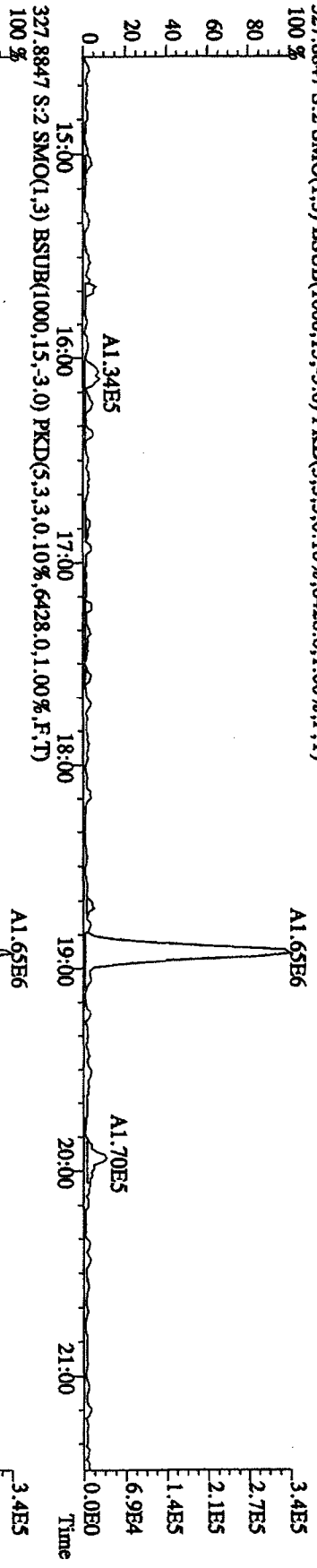
File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST1231B :CS-1 09DXN422 Exp: DIOXIN
 305,9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4776,0.1,0.00%,F,T)



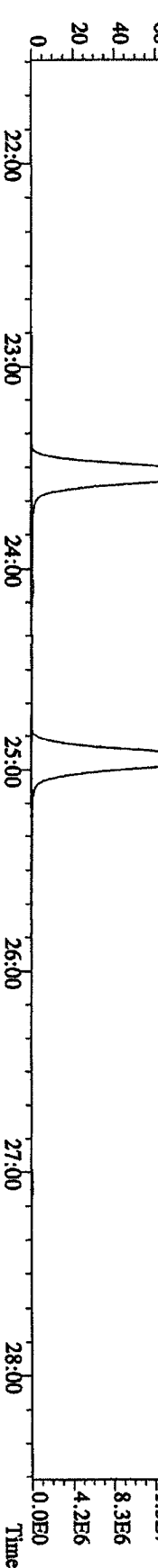
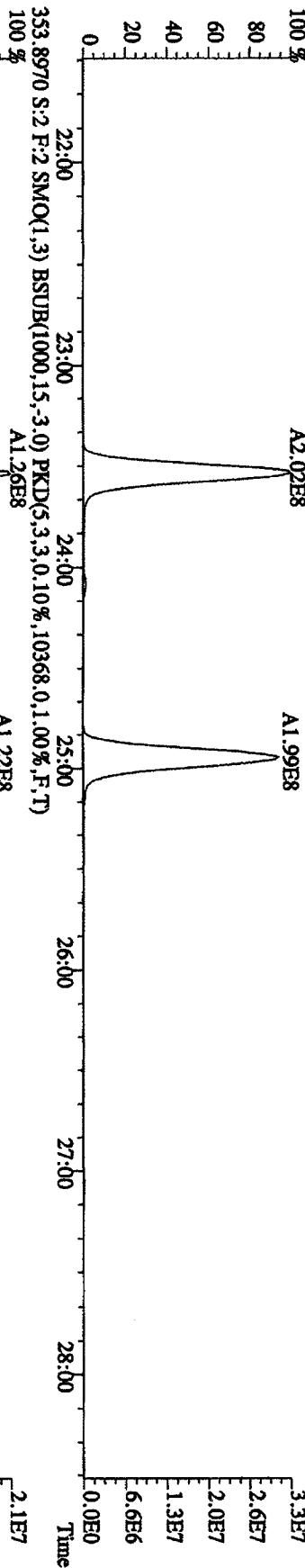
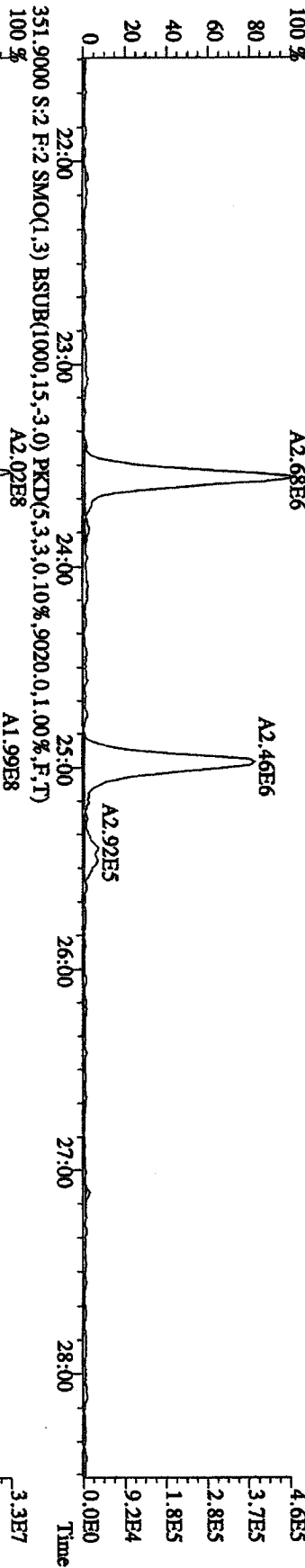
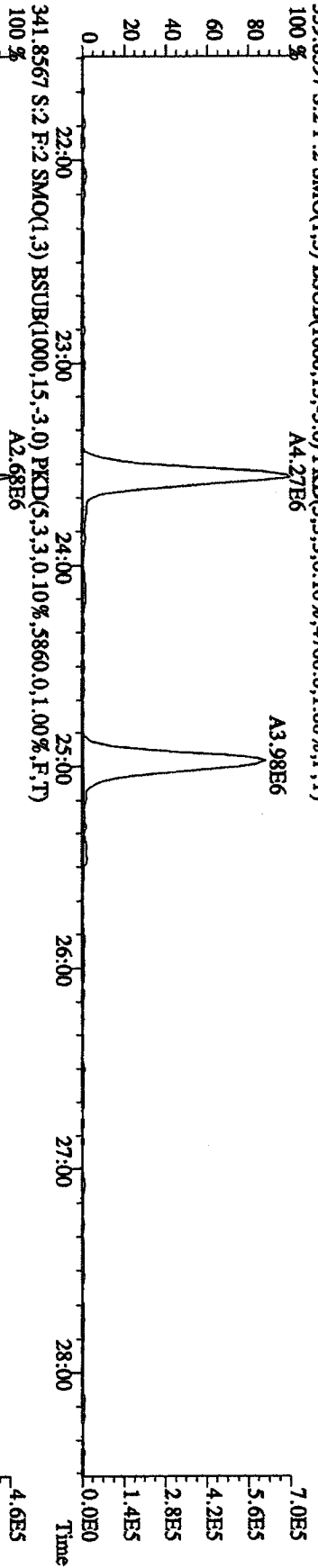
File:31DB09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 319.8965 S:2 SMO(1,3) BSUBR(1000,15,-3,0) PKD(5,3,3,0,10%,3832,0,1,00%,F,T)
 100 %



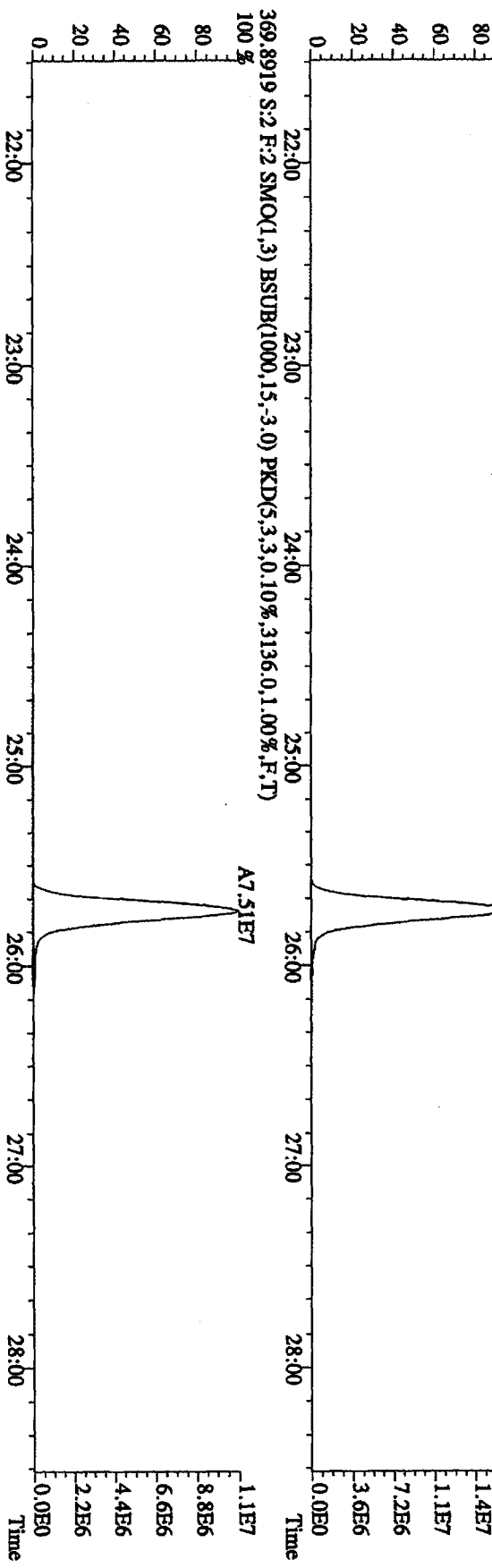
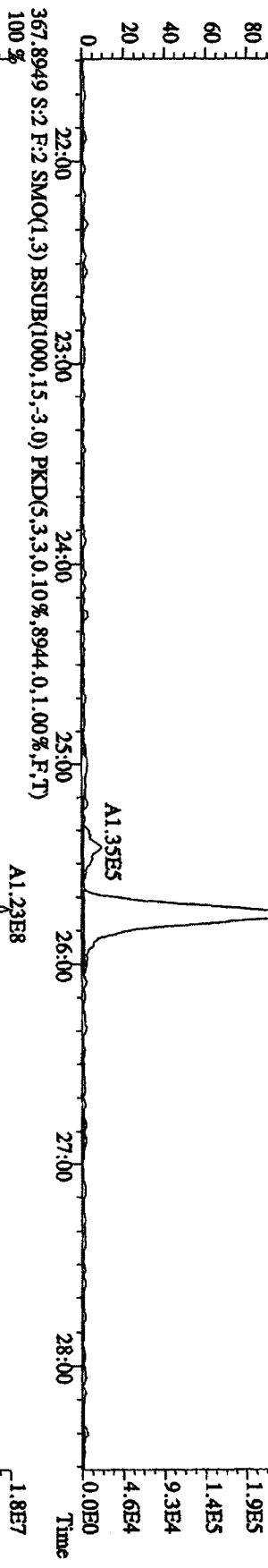
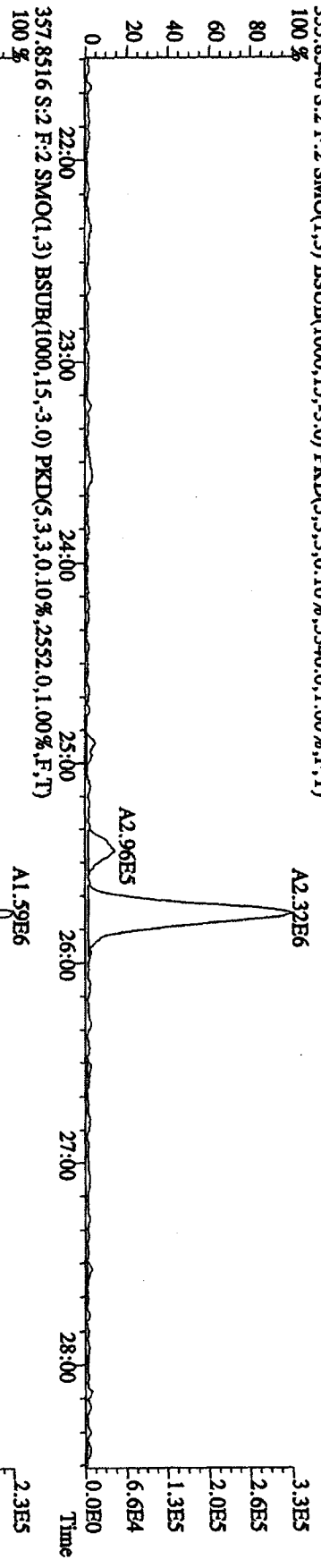
File:31DE09A1D5 #1-411 Acq: 1-IAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6428,0,1.00%,F,T)



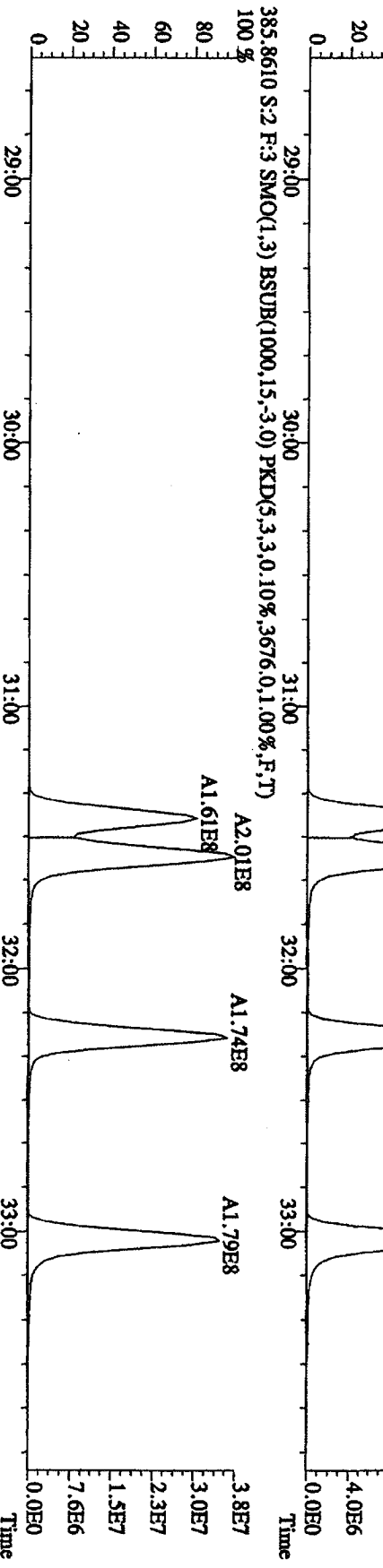
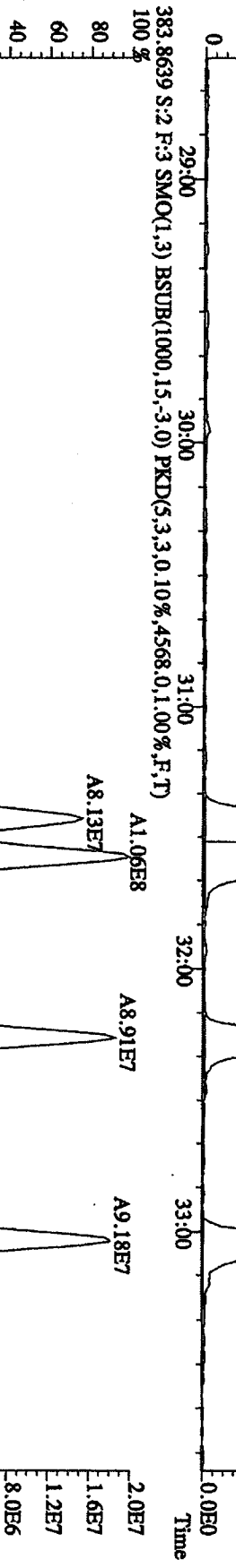
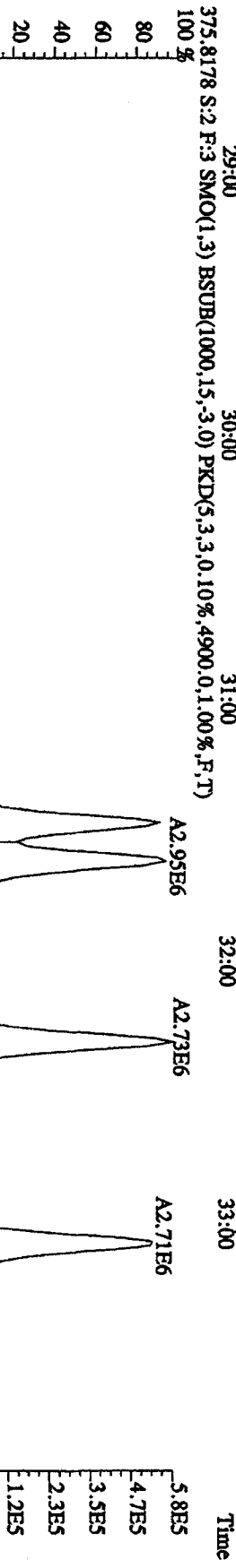
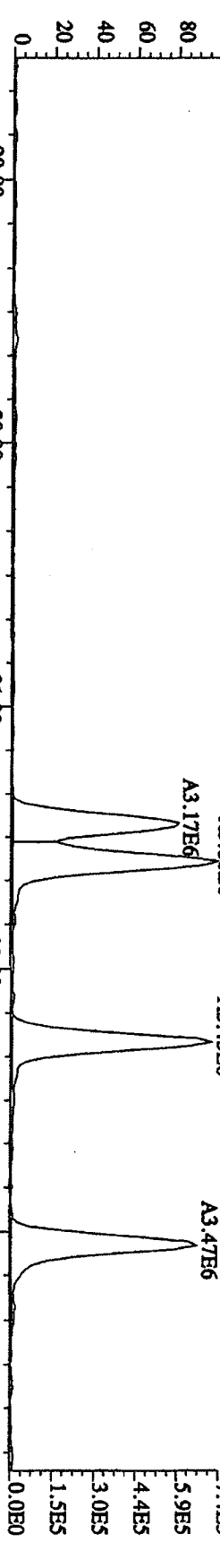
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4700,0,1,00%,F,T)
 A4.27E6



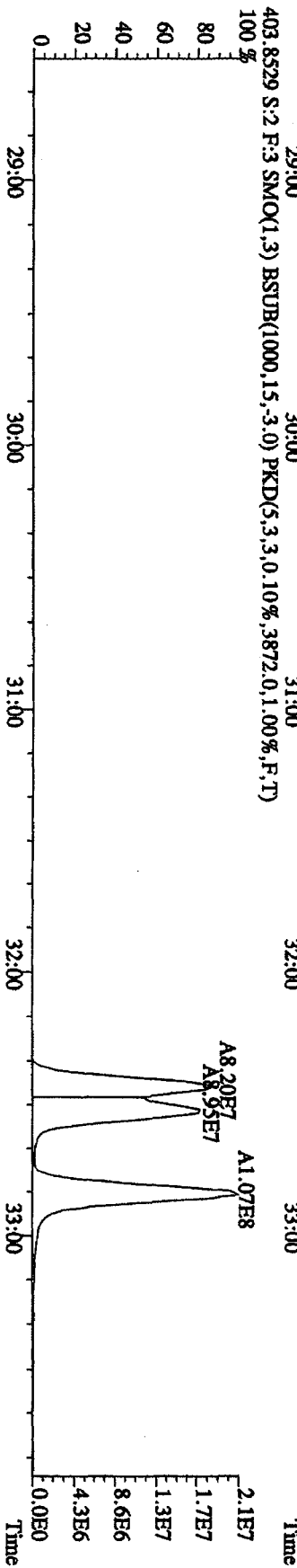
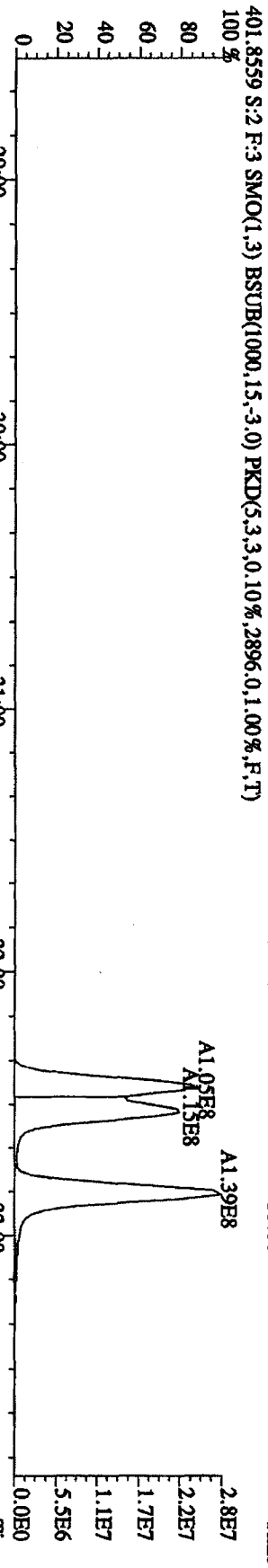
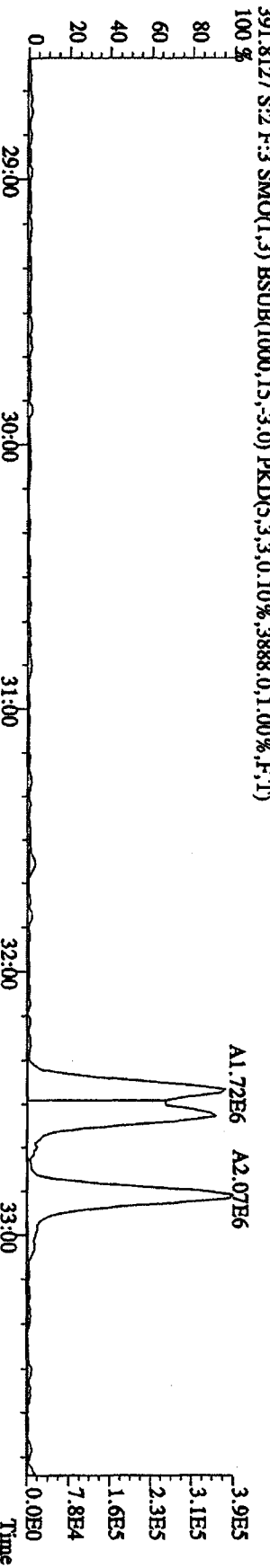
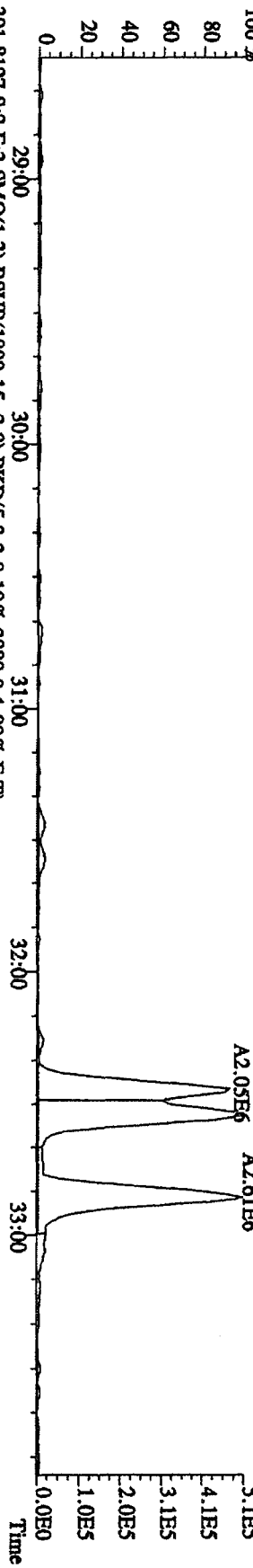
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5340,0,1,00%,F,T)



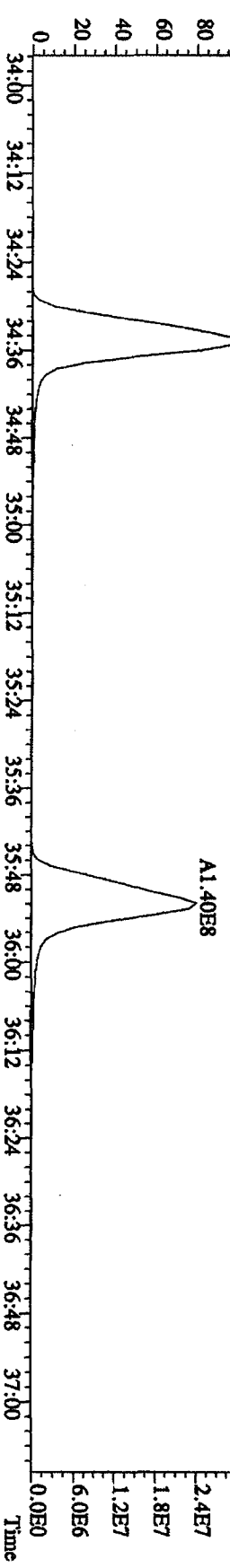
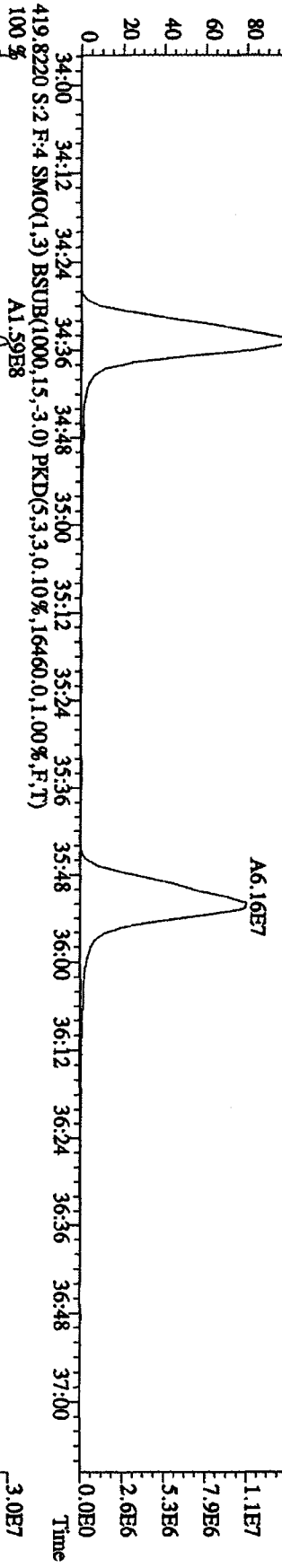
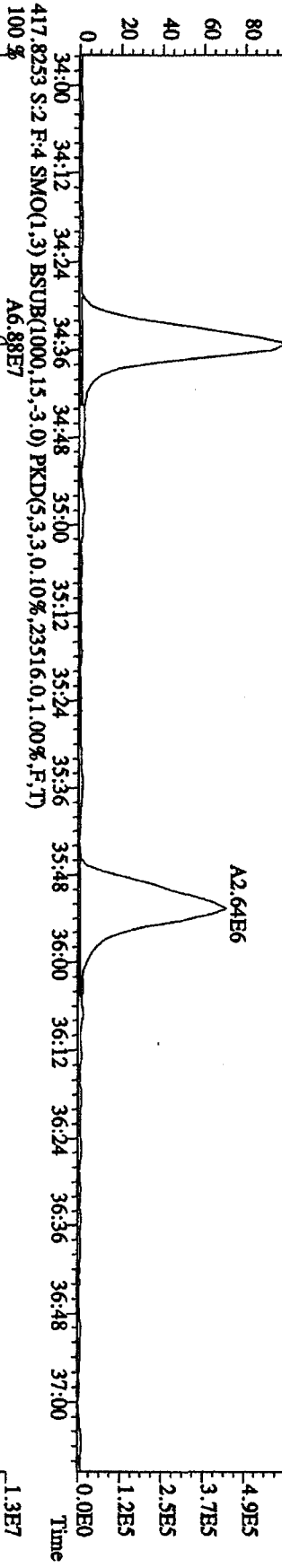
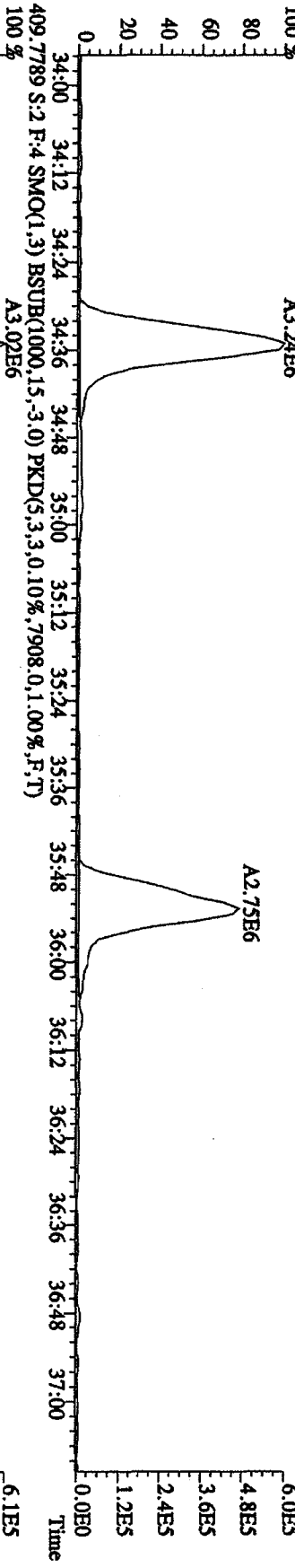
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DI0XIN
 373.8208 S:2 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6476,0,1.00%,F,T)



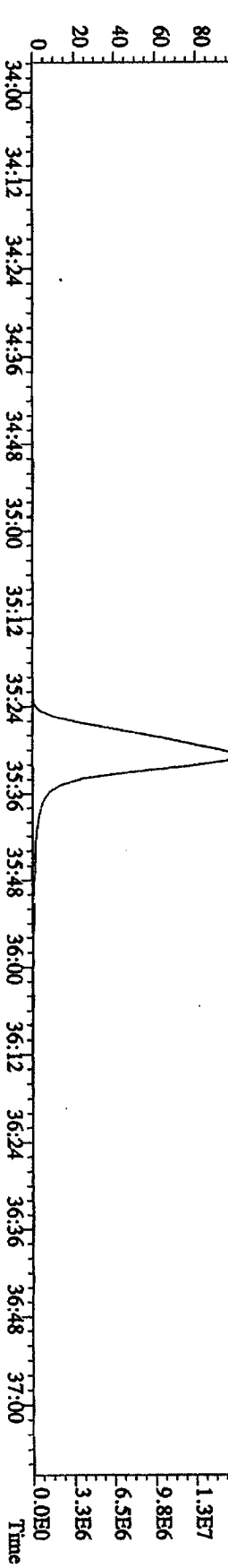
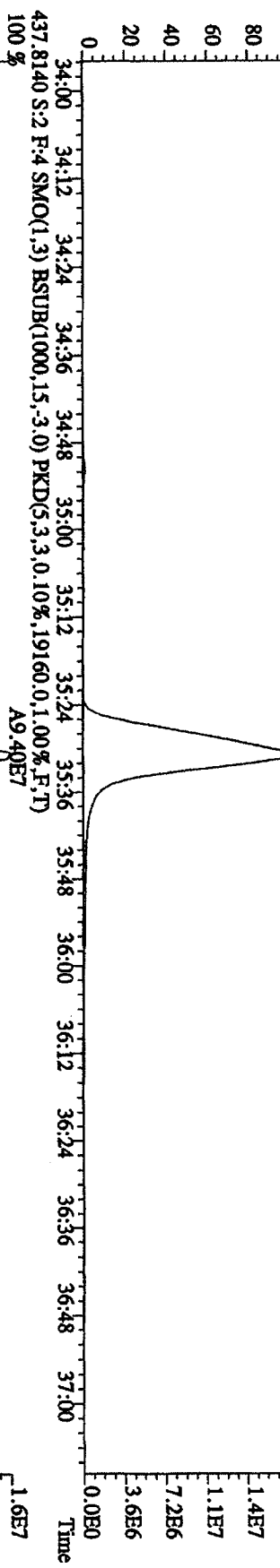
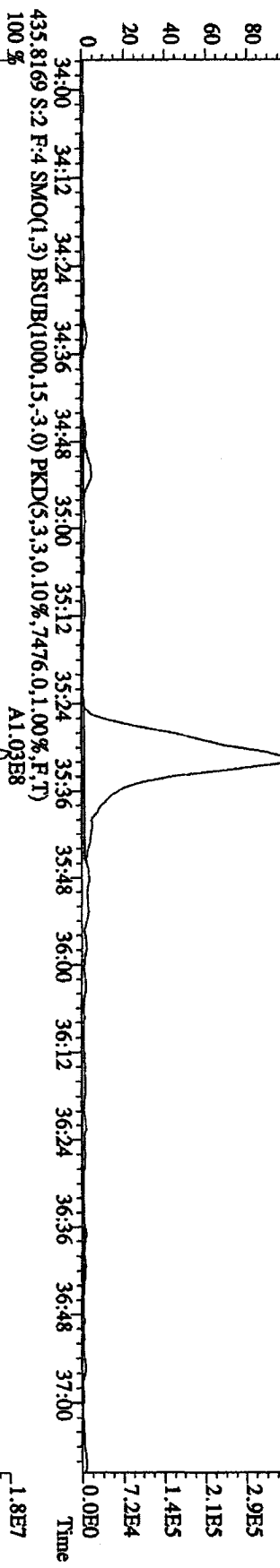
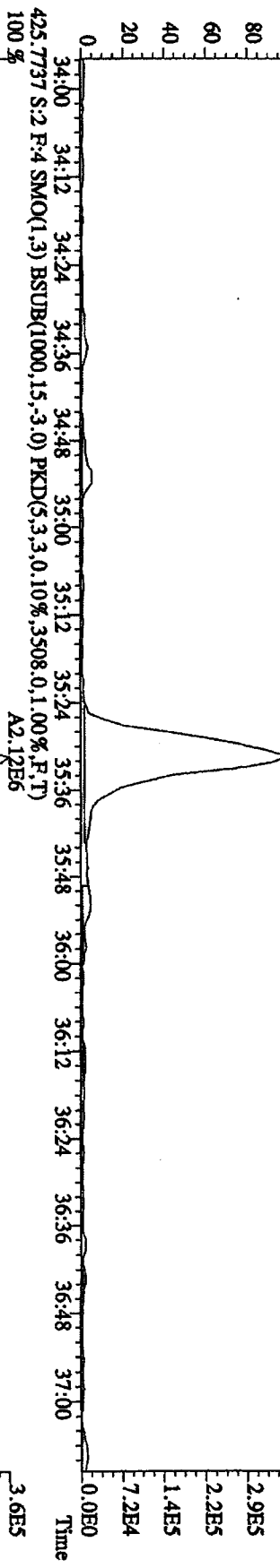
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3464,0,1,00%,F,T) 100%



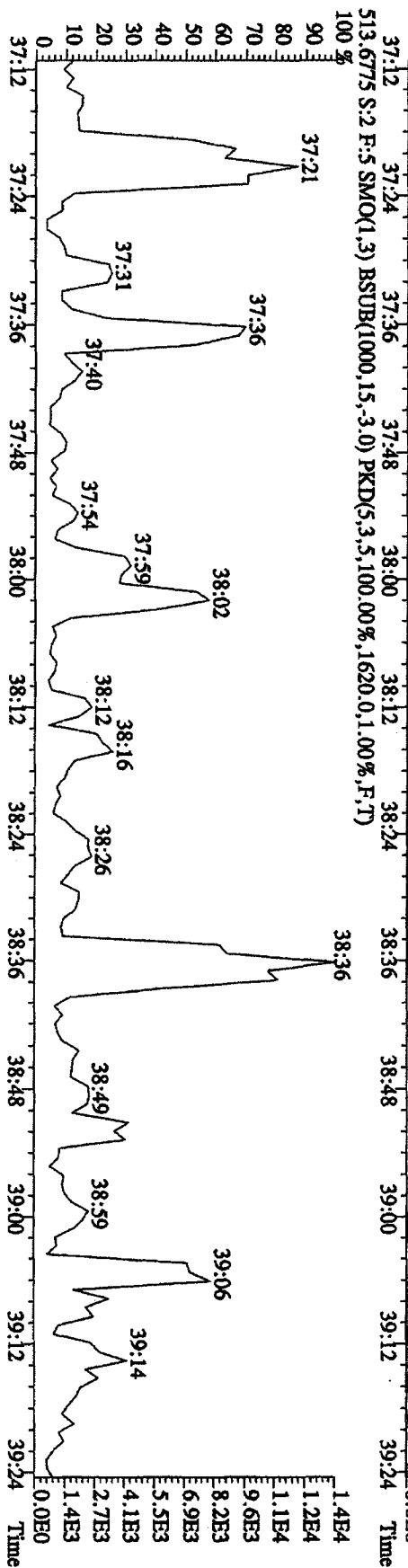
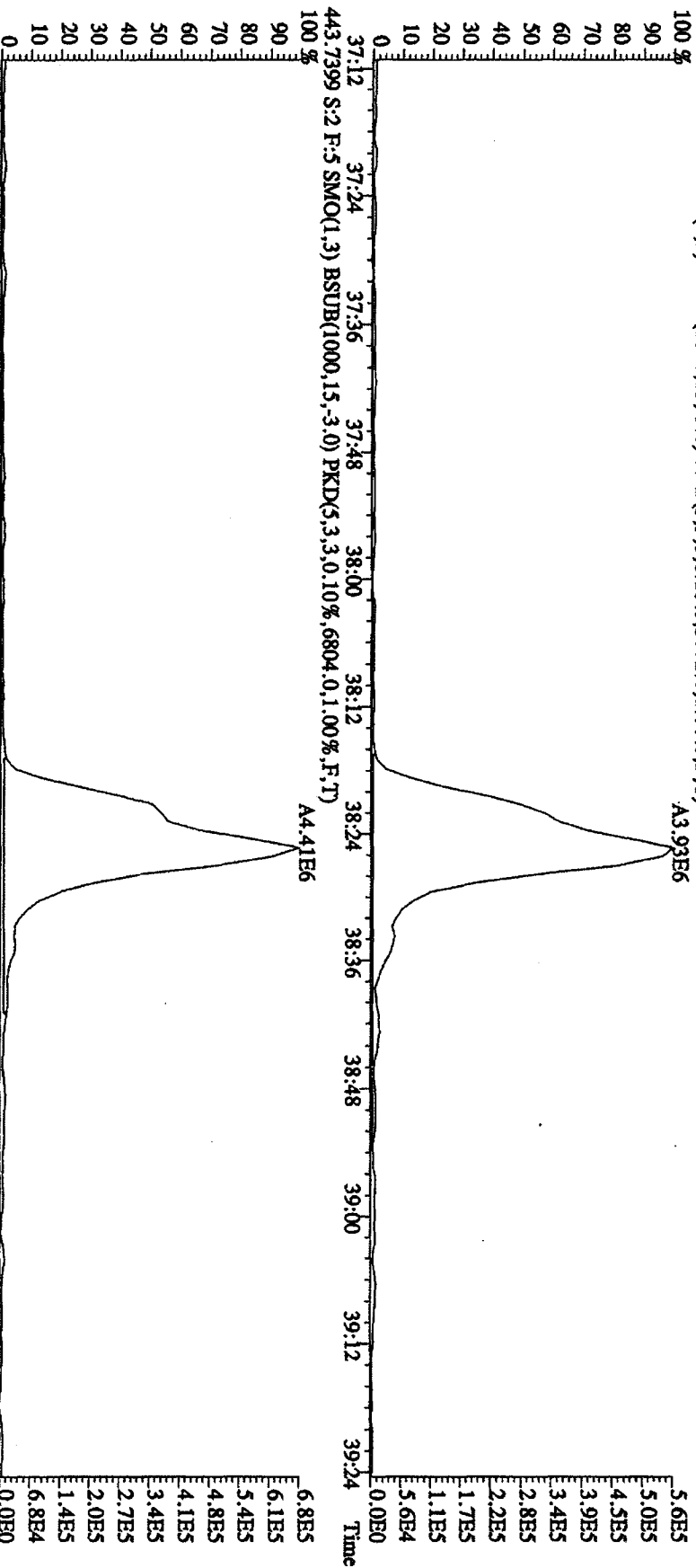
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DDXN422 Exp:DIOXIN
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7184,0,1,00%,F,T)
100 %



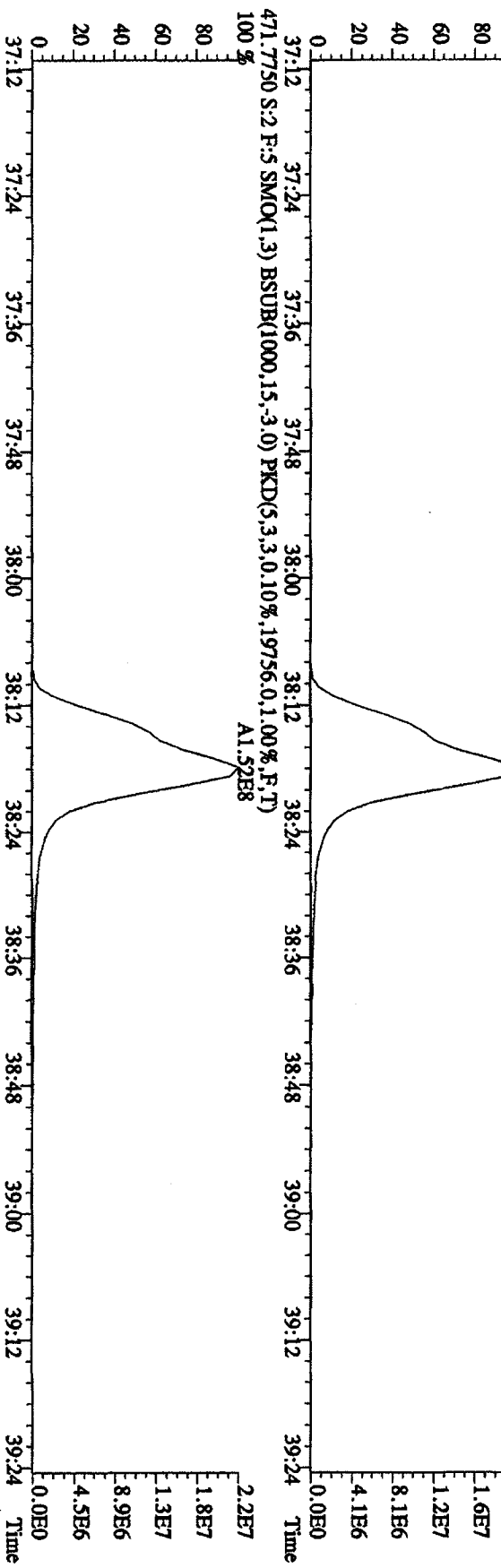
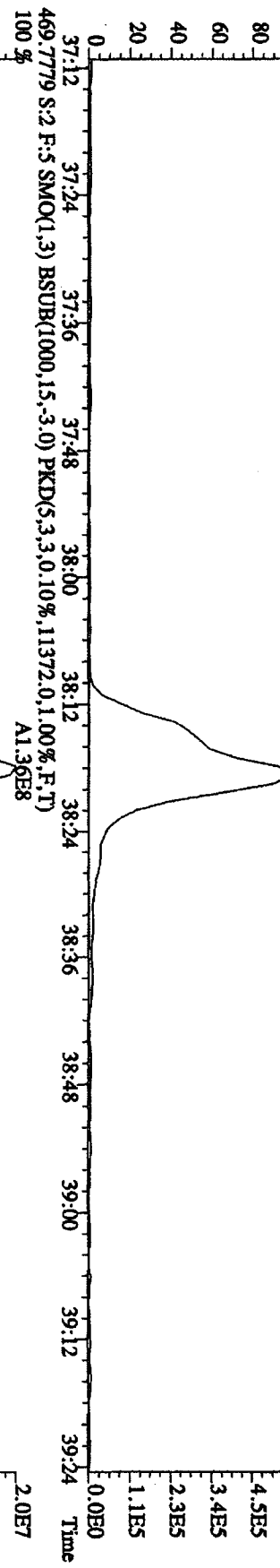
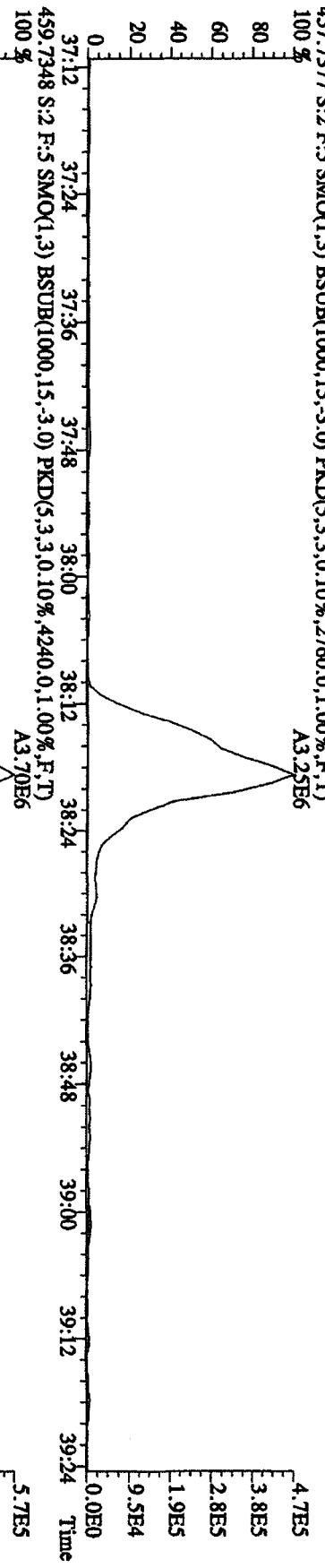
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 423.7766 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3468,0.1,0.0%,F,T)
 100 % A2.07E6



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXM422 Exp.:DIOXIN
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6804,0,1,00%,F,T)

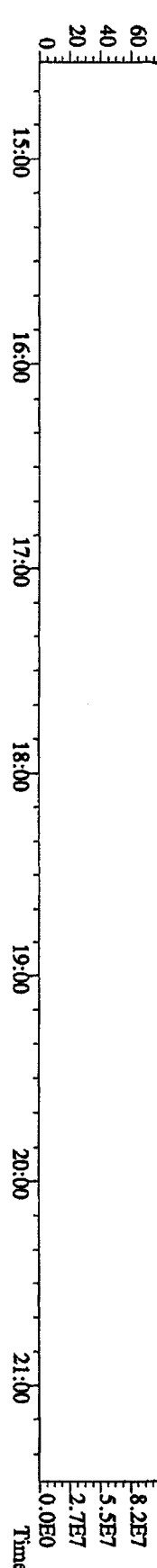
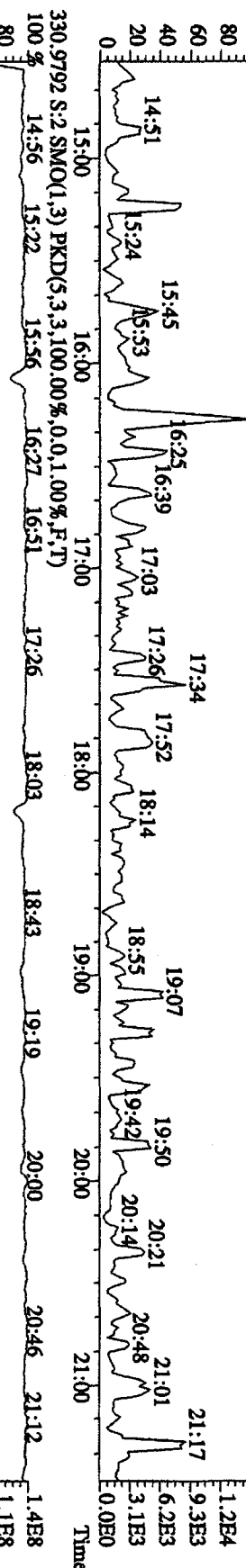
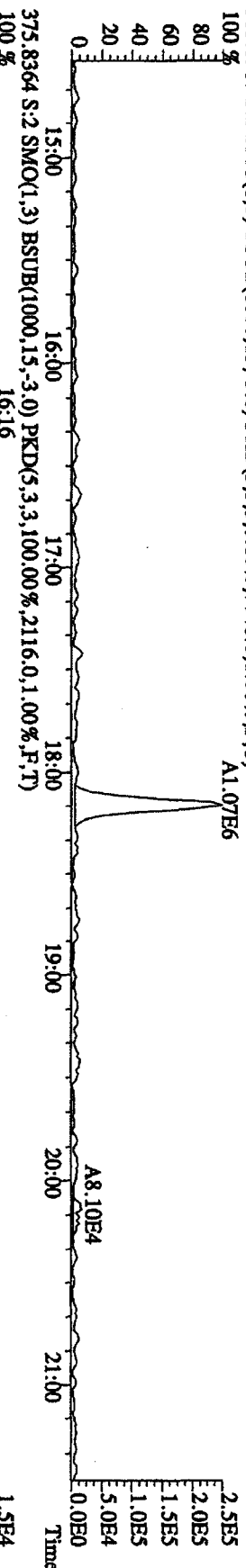
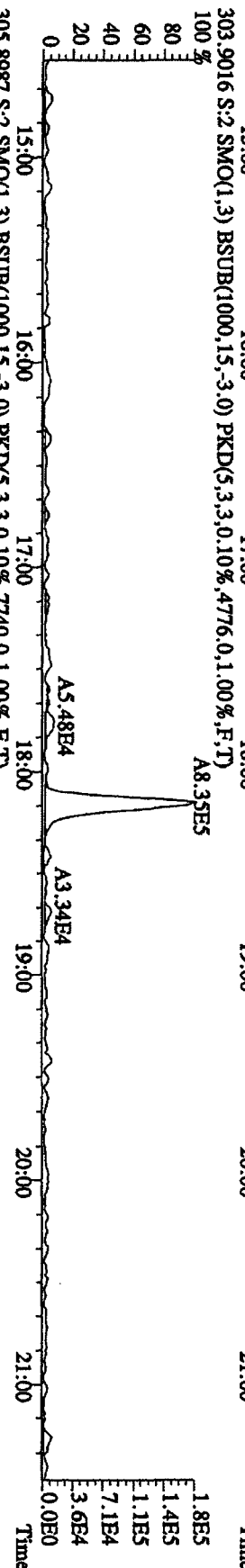
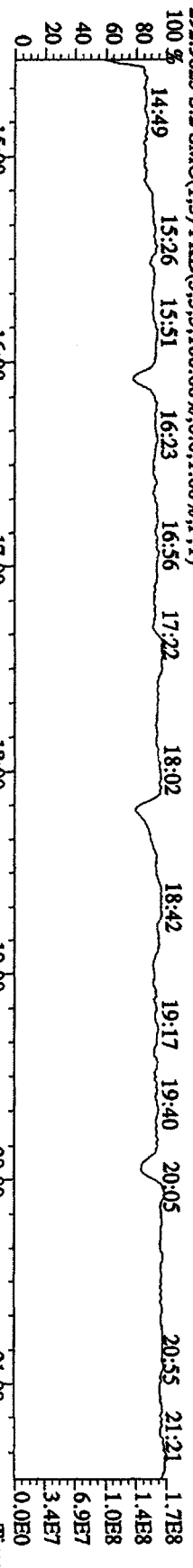


File:31DE09AID5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

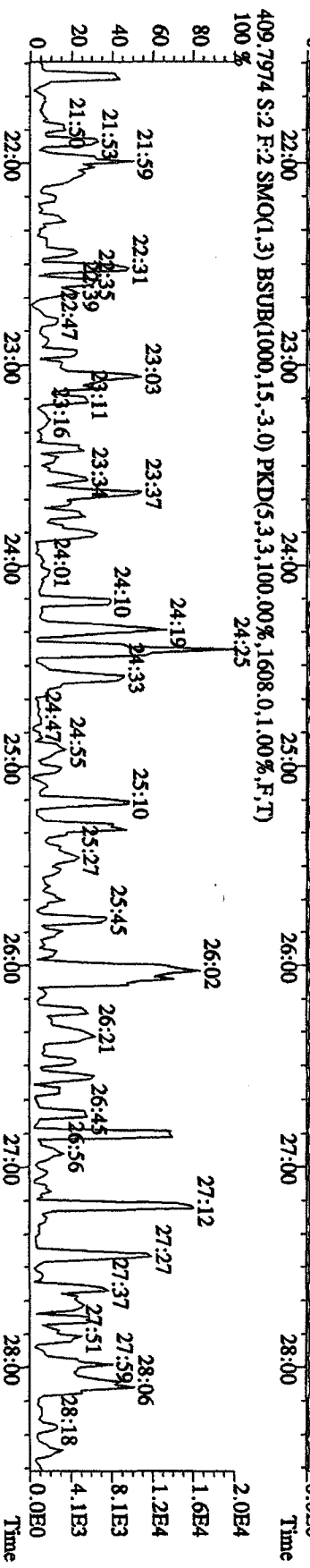
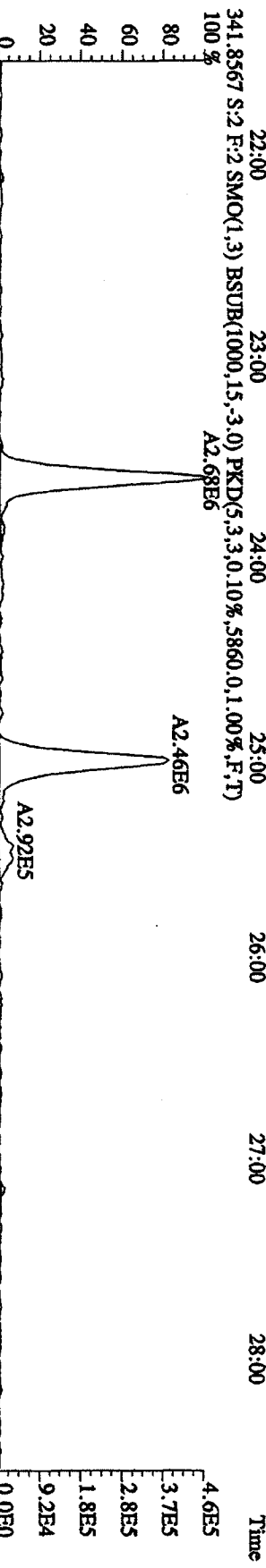
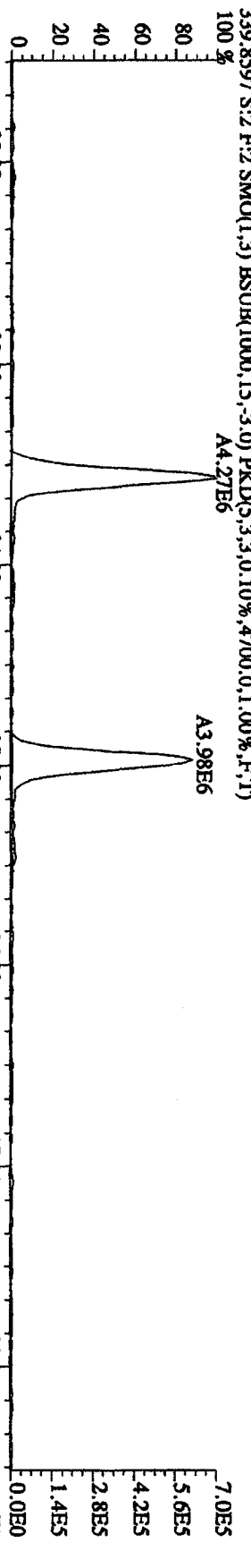
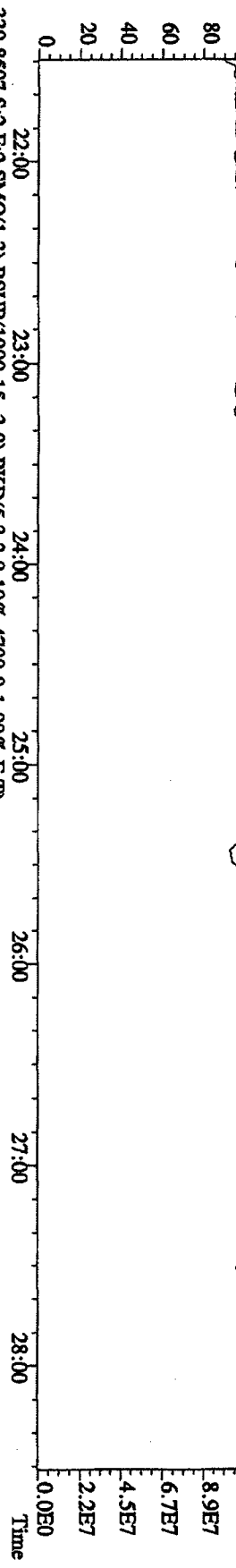


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1_09DXN422 Exp:DIOXIN

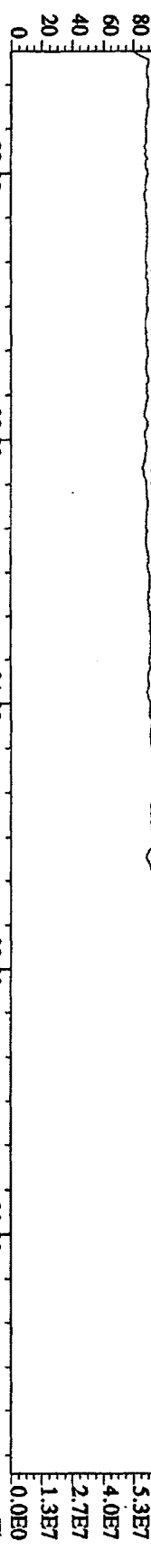


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:47 22:18 23:03 23:37 24:00 24:22 24:46 25:18 25:39 26:02 26:41 27:17 27:53

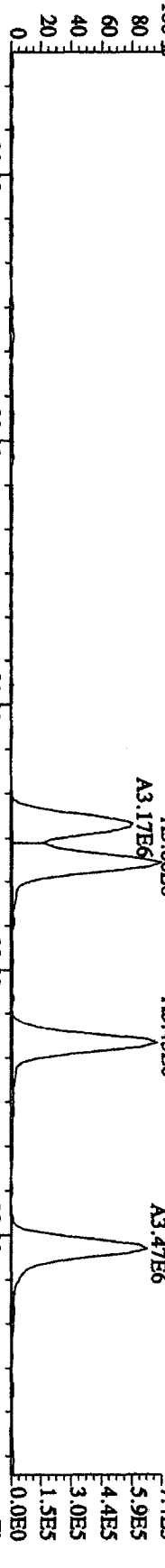


File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage STR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

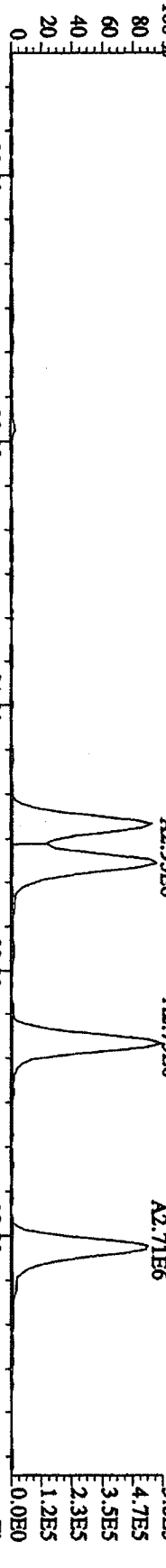
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 28:45 29:26 29:47 30:14 30:31 31:00 31:18 31:44 32:05 32:28 33:05 33:22 33:40



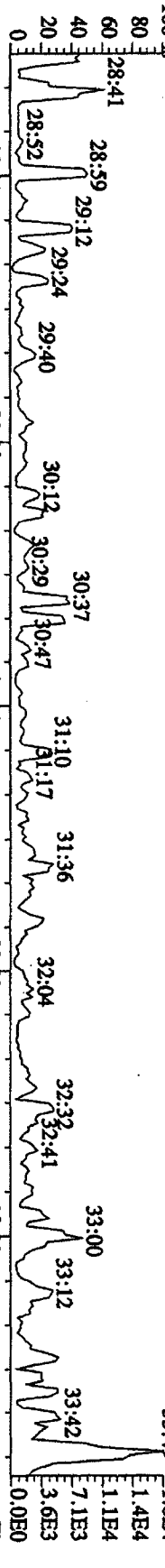
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6476.0,1.00%,F,T)
 100% 29:00 29:00 30:00 30:00 31:00 31:00 32:00 32:00 33:00 33:00



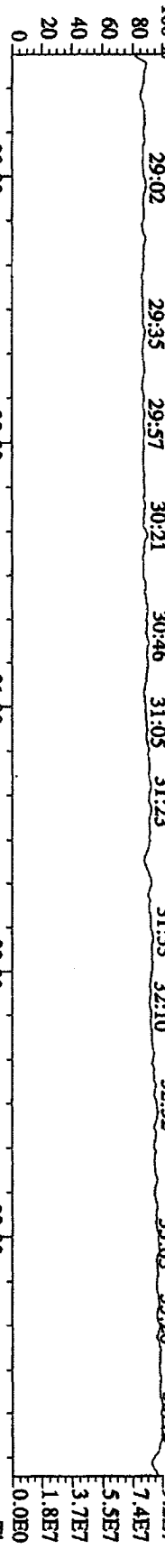
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)
 100% 29:00 29:00 30:00 30:00 31:00 31:00 32:00 32:00 33:00 33:00



445.7355 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2040.0,1.00%,F,T)
 100% 29:00 29:00 30:00 30:00 31:00 31:00 32:00 32:00 33:00 33:00



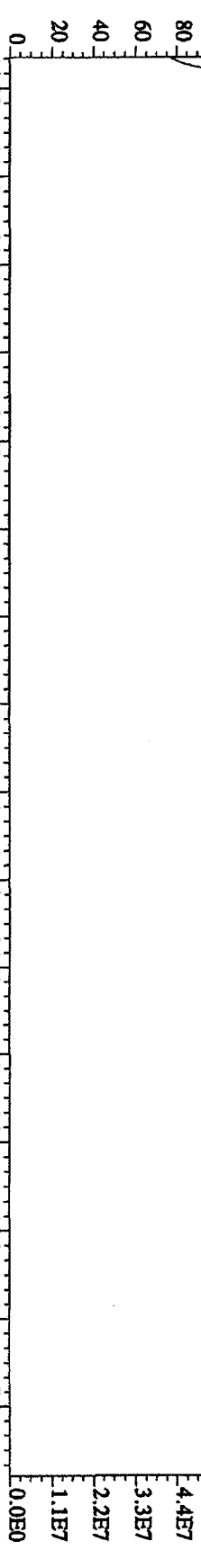
380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 29:00 29:02 29:35 29:57 30:21 30:46 31:05 31:23 31:53 32:10 32:32 33:03 33:20 33:42



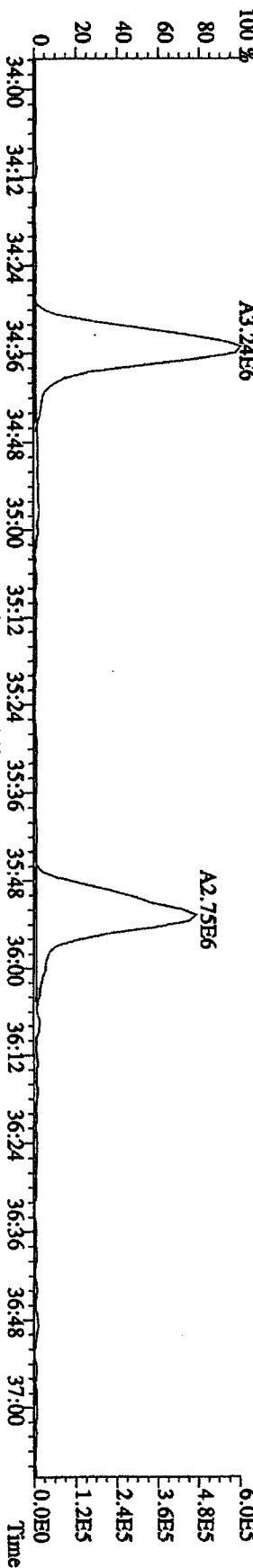
File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text: ST1231B :CS-1 09DXN472 Exp: DIOXIN

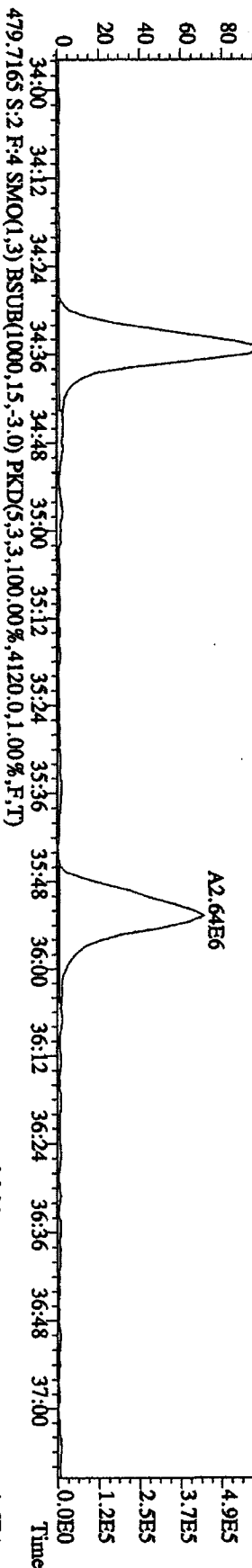
430.9728 S:2 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)



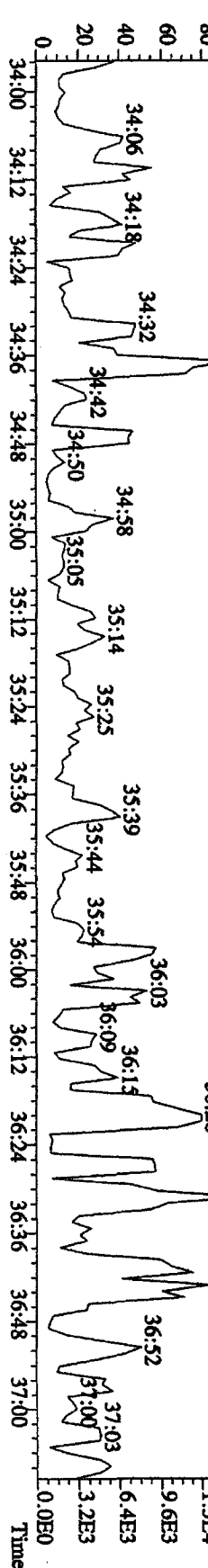
407.7818 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7184.0,1.00%,F,T)



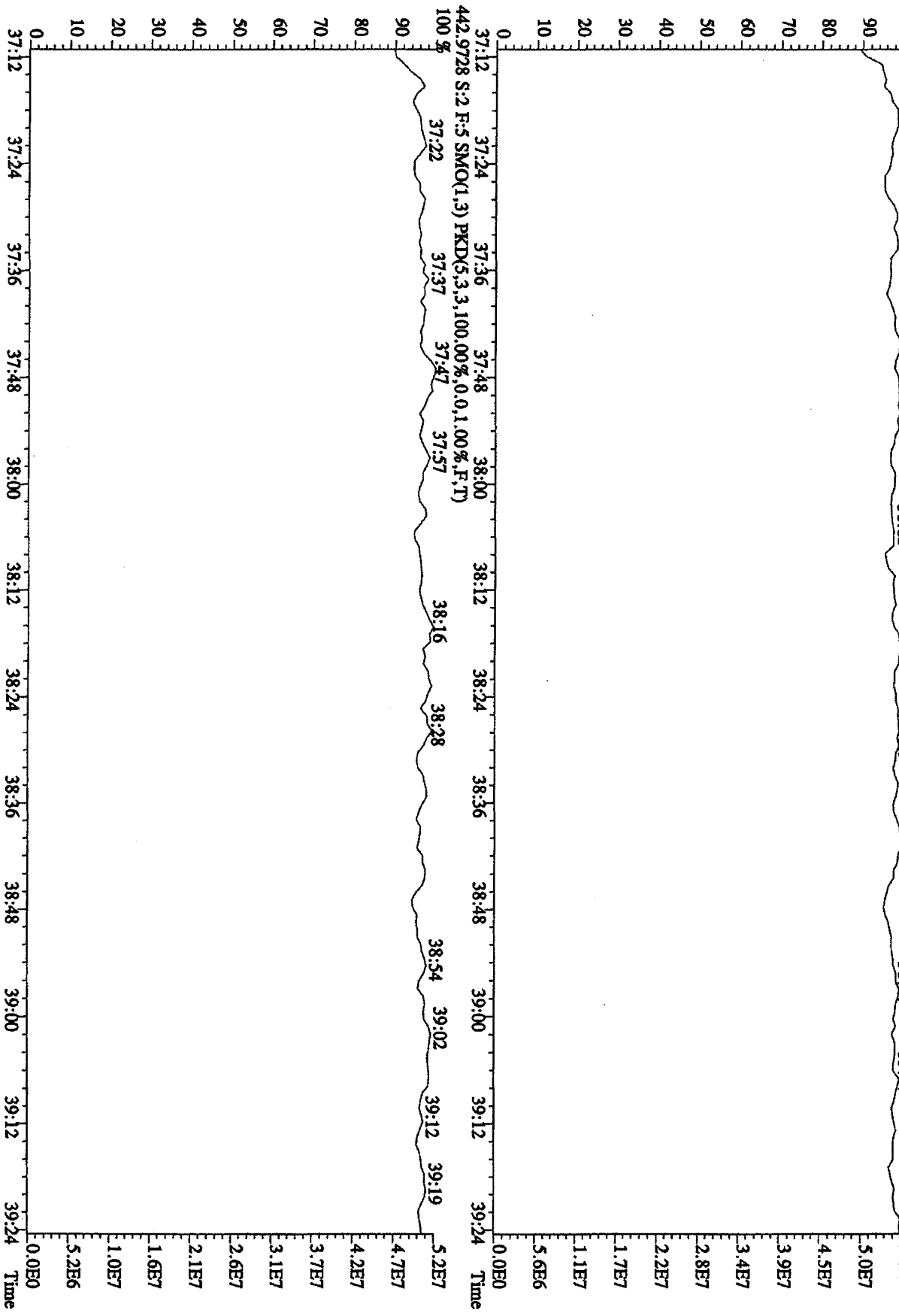
409.7789 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7908.0,1.00%,F,T)



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)

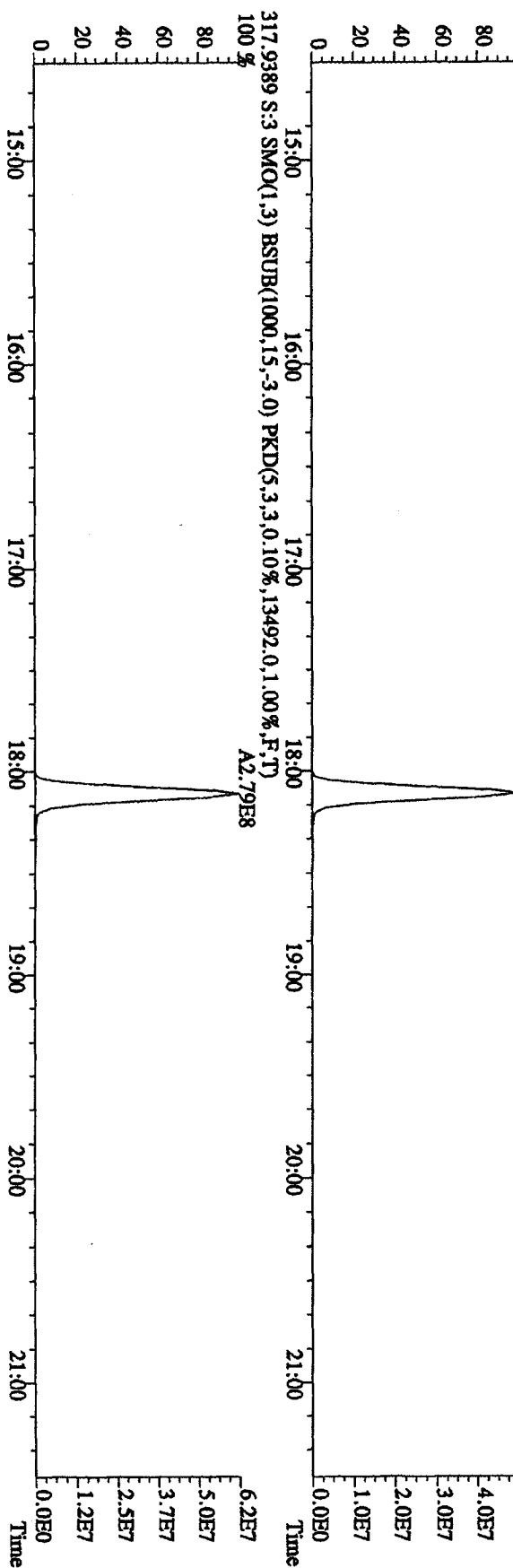
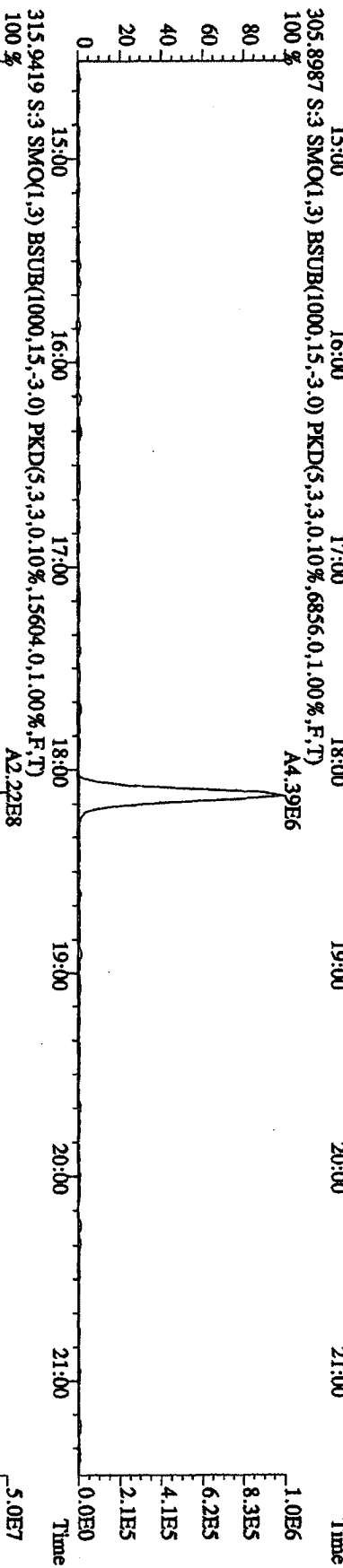
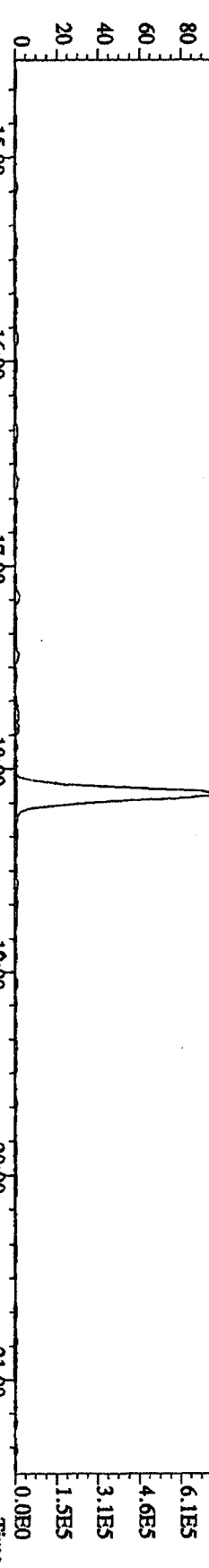


File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text: ST1231B :CS-1 09DXM422 Exp: DIOXIN
 454.9728 S:2 F:5 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)
 100 % 37:20 37:33 37:45 37:52 38:05 38:19 38:29 38:40 38:57 39:07 39:23 5.6E7

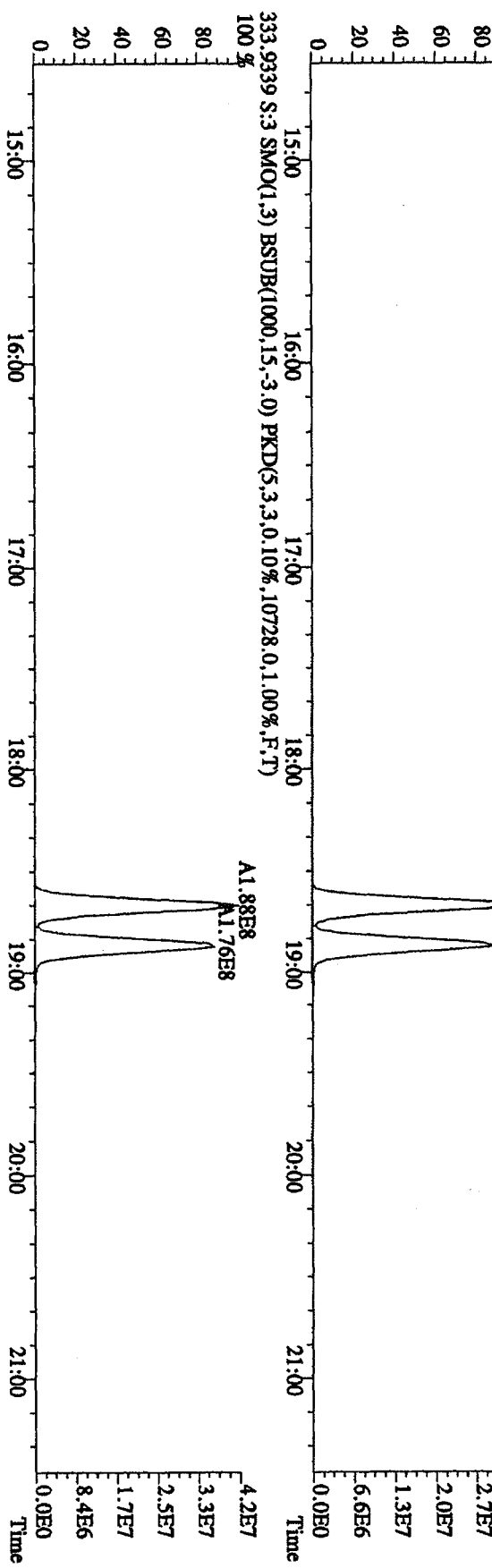
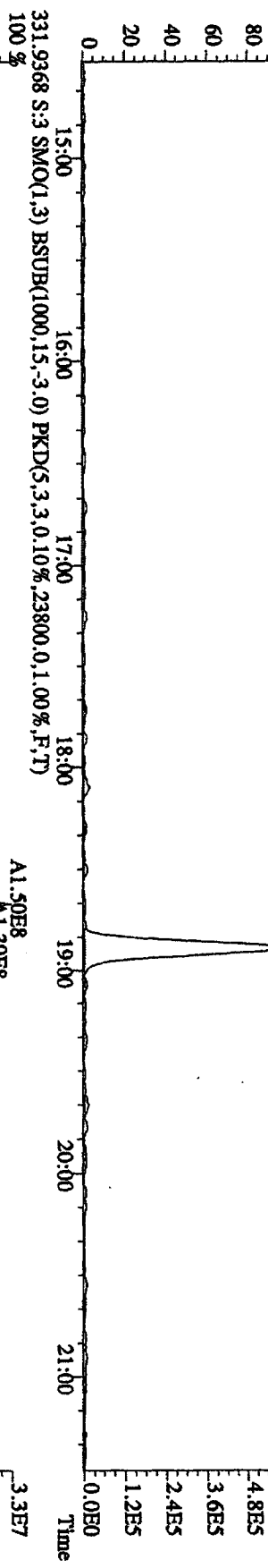
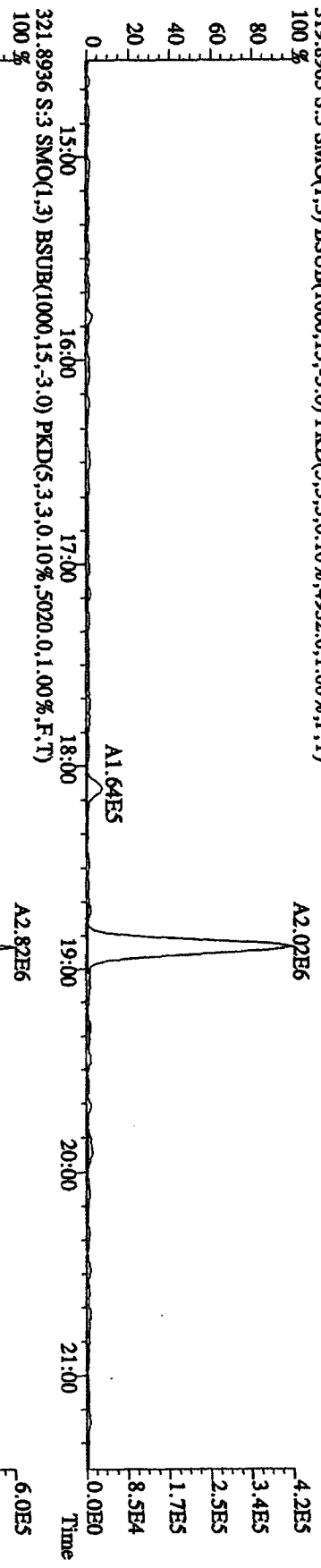


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

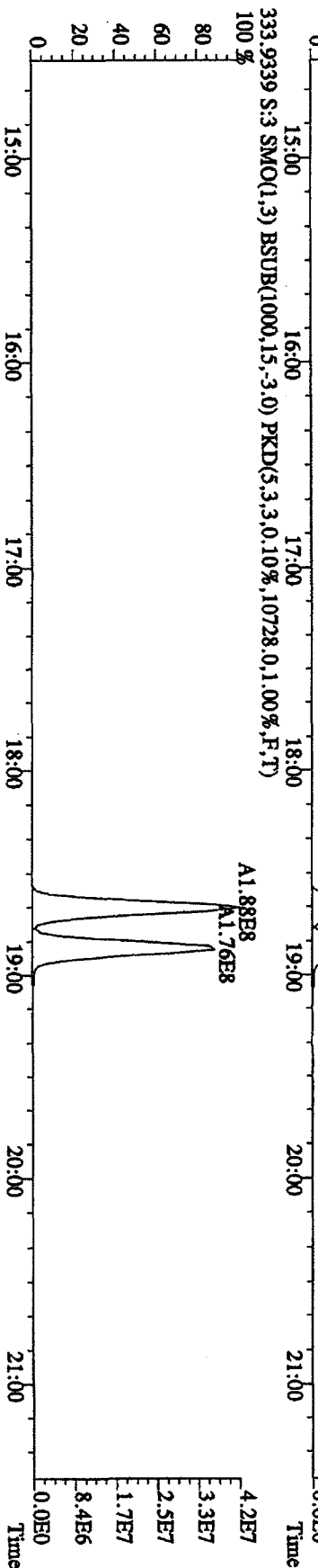
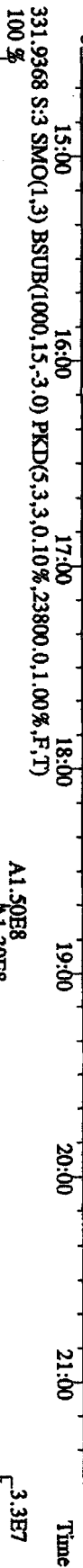
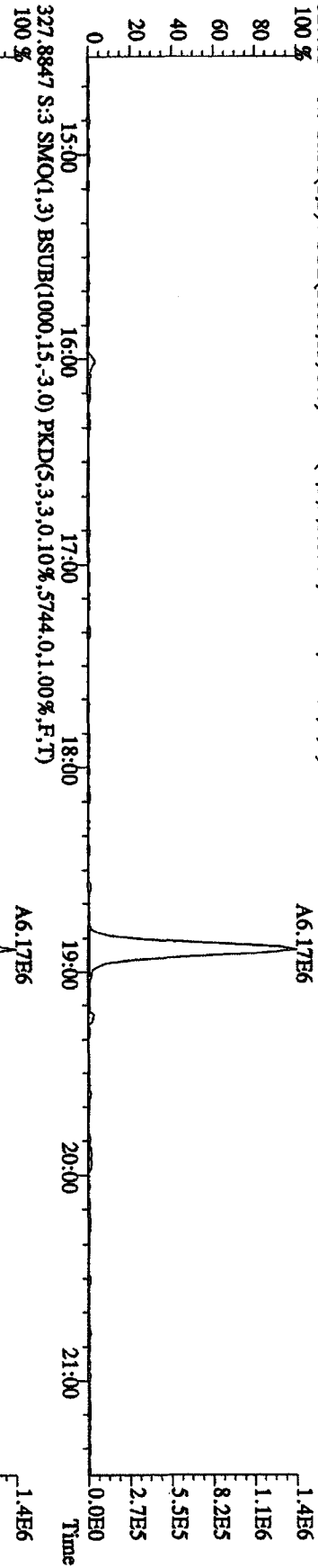
Sample#3 Text:ST1231C :CS-2,09DDXN423 Exp:DIOXIN



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)



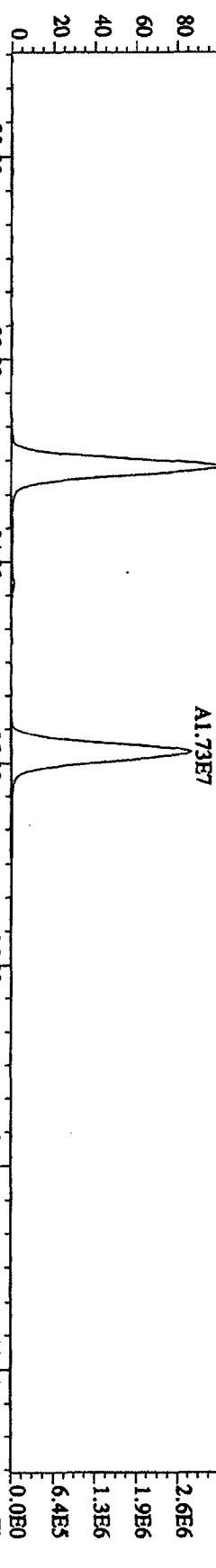
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

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

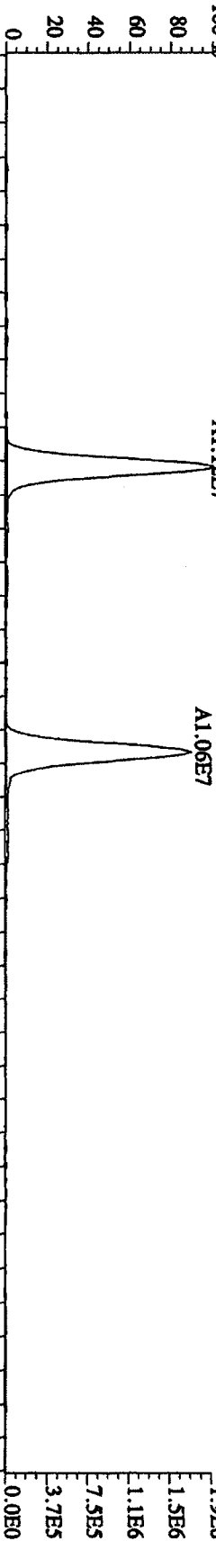
A1.73E7



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

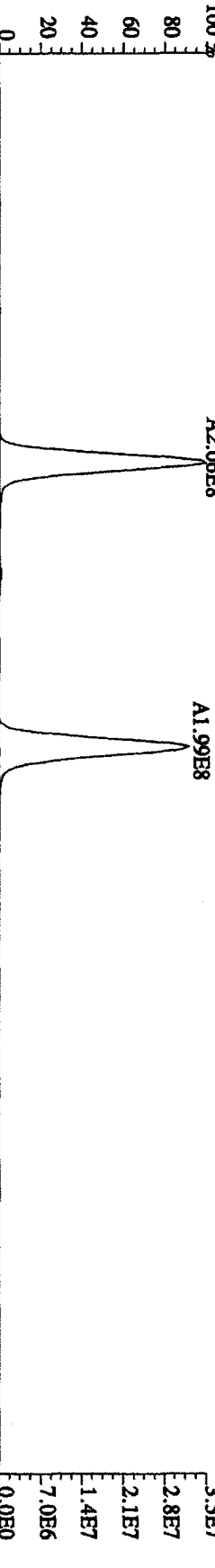
A1.06E7



351.9000 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.1339,0.1,00%,F,T)

A2.06E8

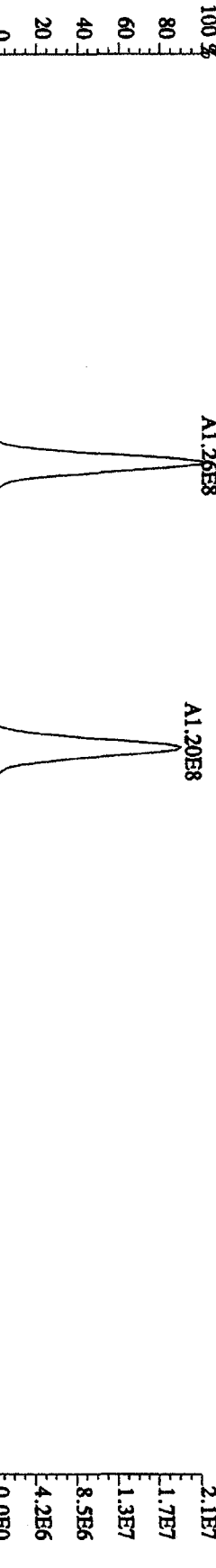
A1.99E8



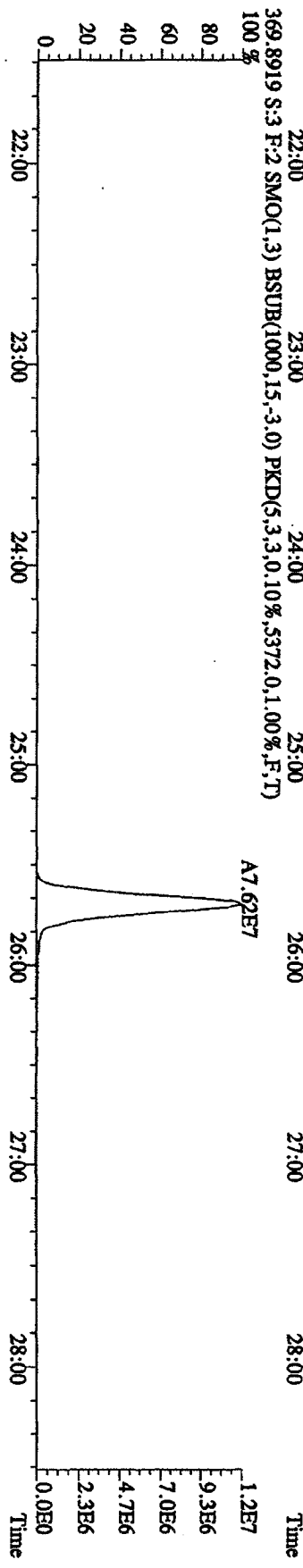
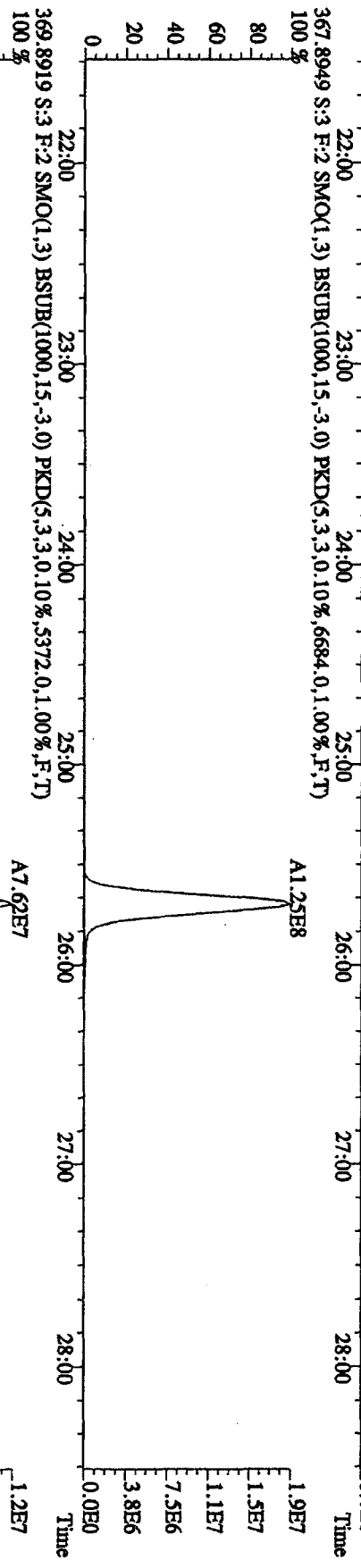
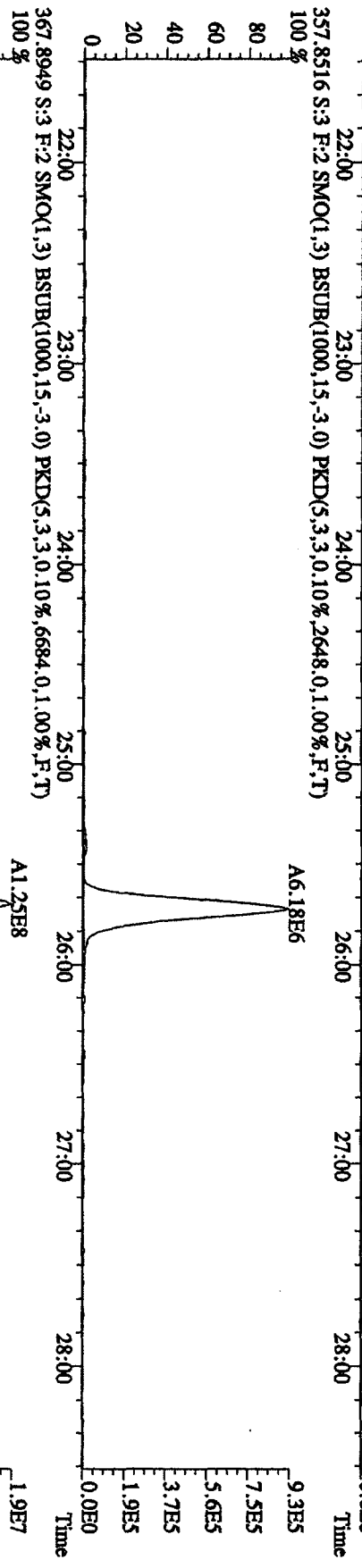
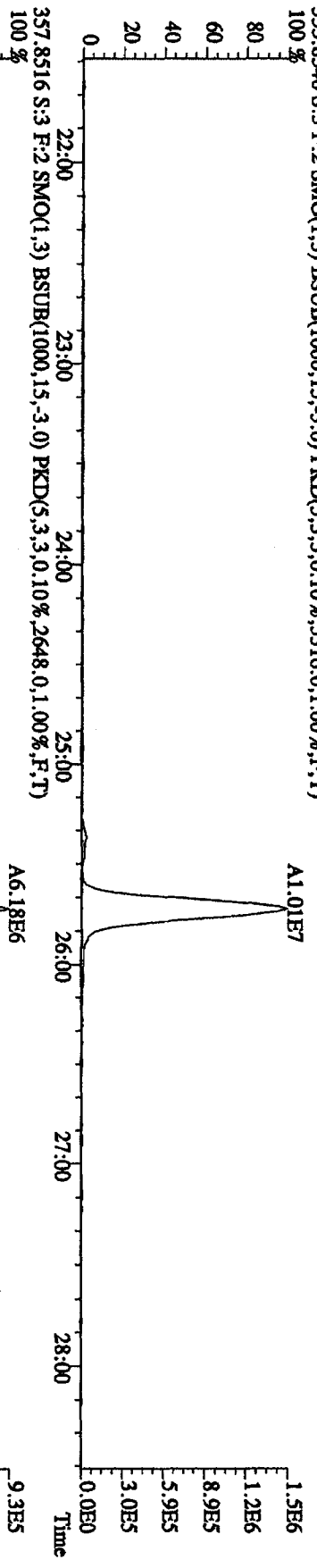
353.8970 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.9140,0.1,00%,F,T)

A1.26E8

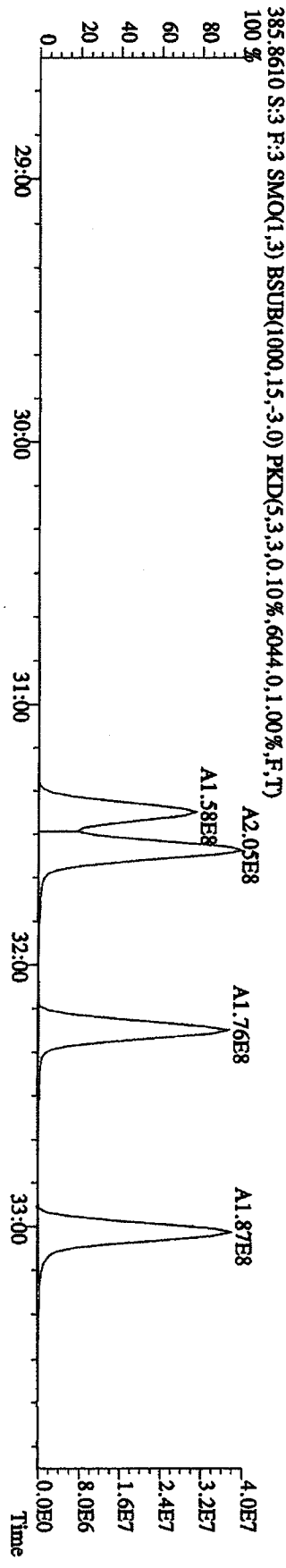
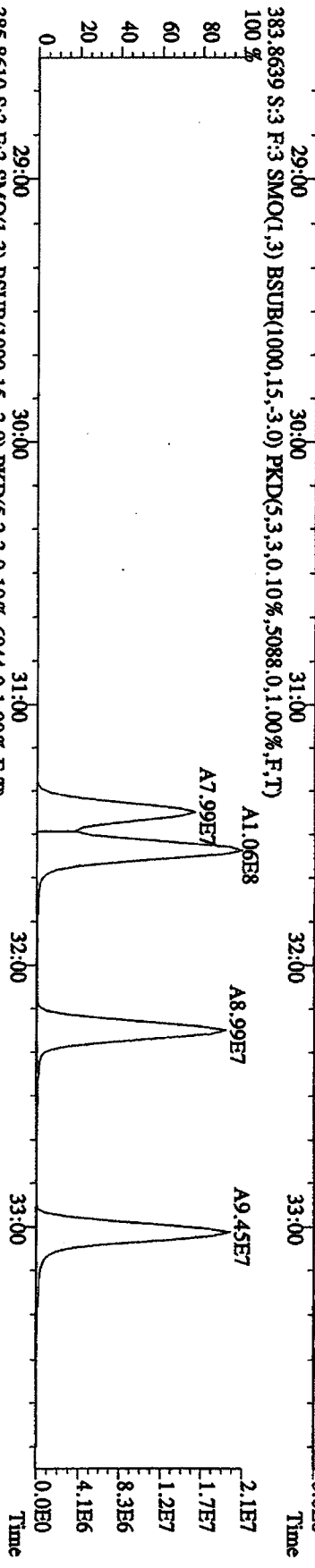
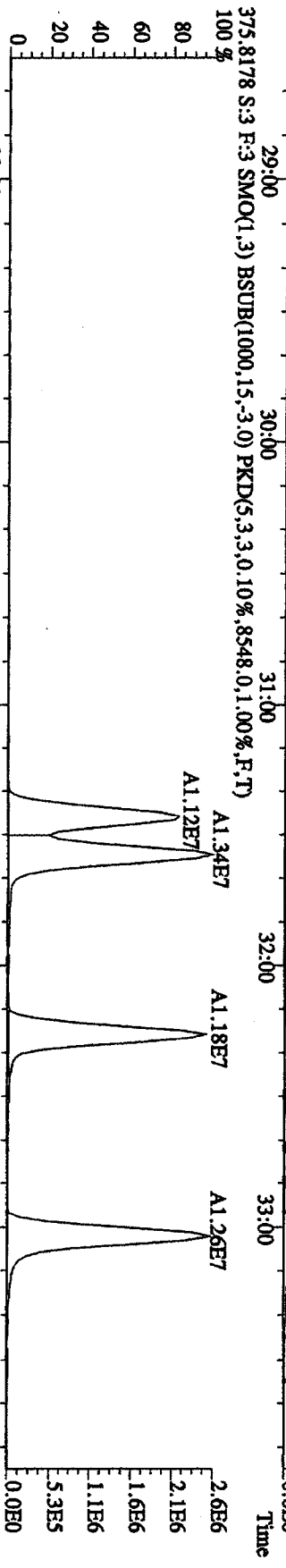
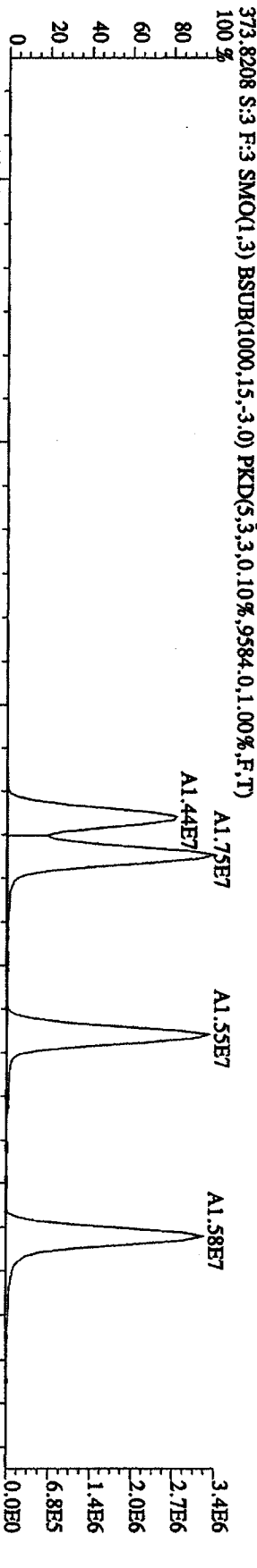
A1.20E8



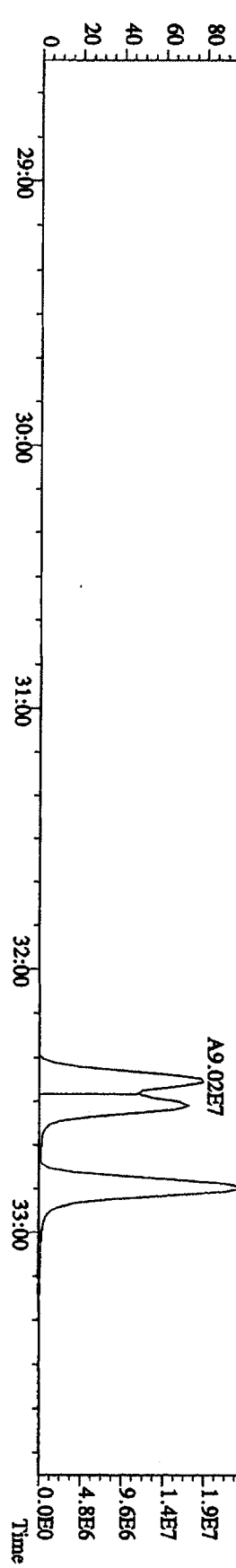
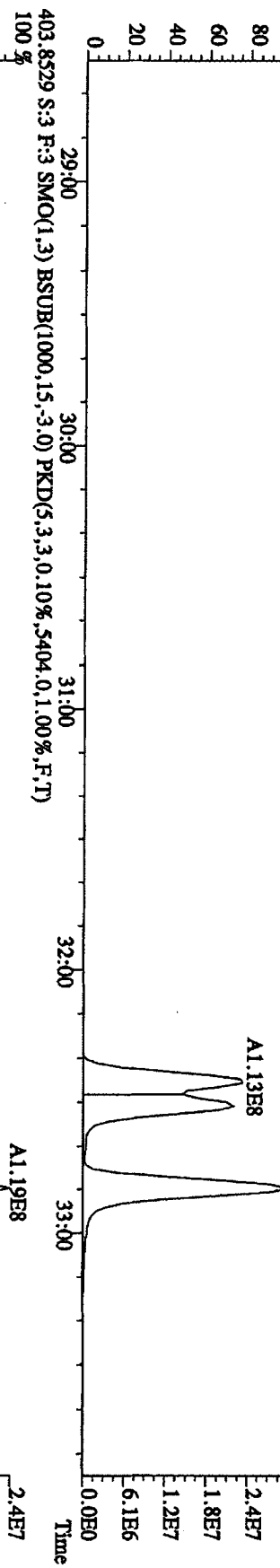
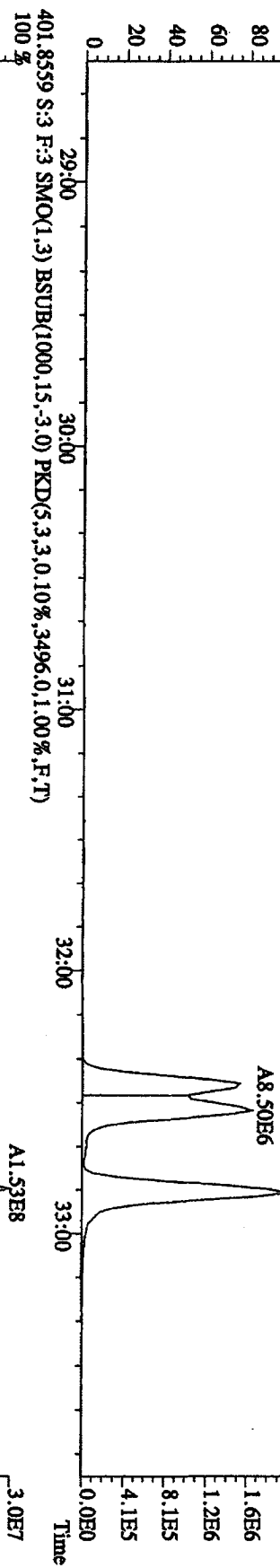
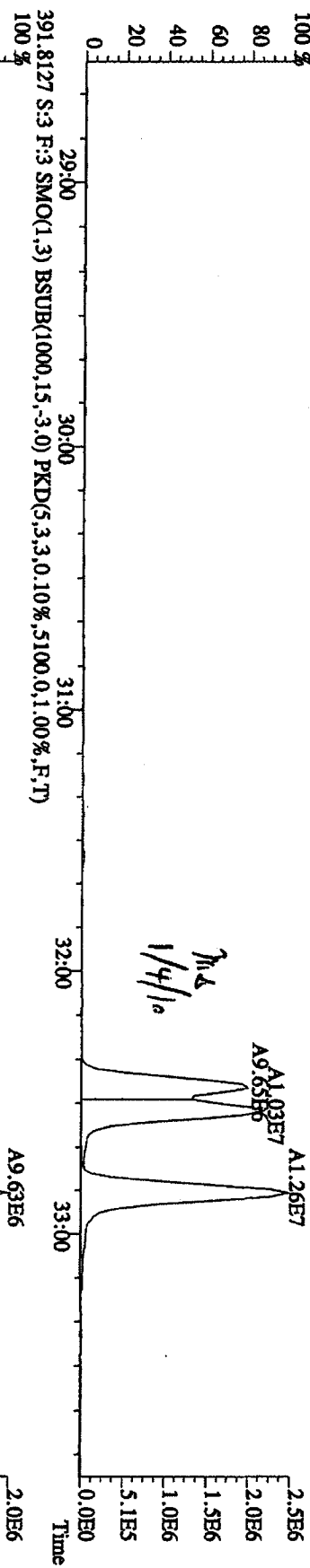
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)
 100 %



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



File:31DE09AID5 #1.362 Acq: 1-JAN-2010 00:50:55 GC EI+ 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)

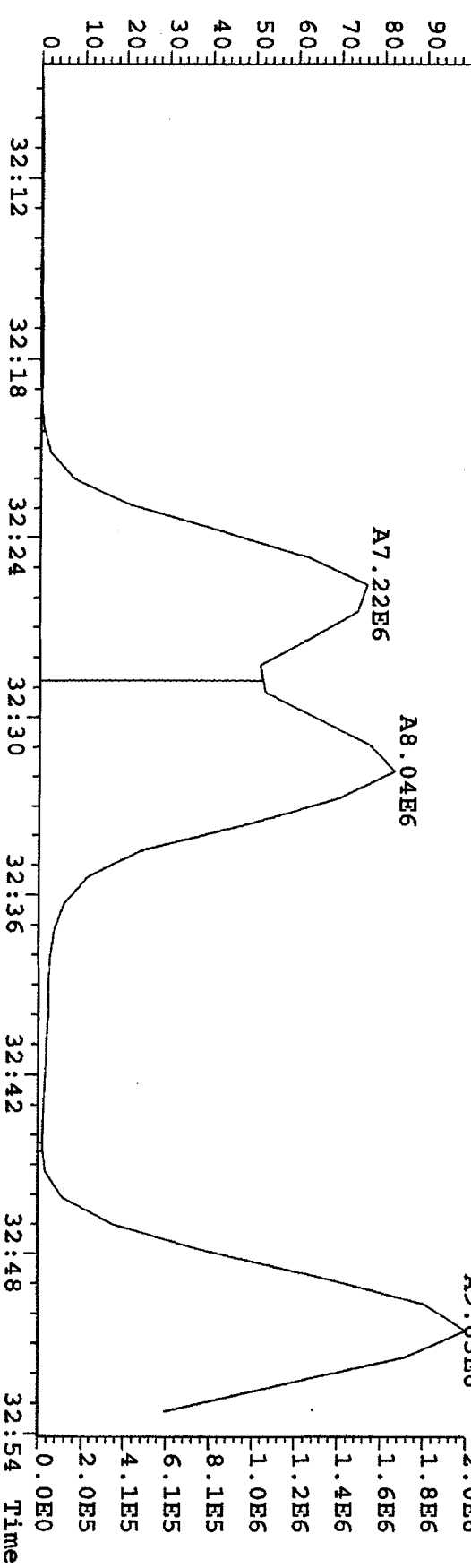
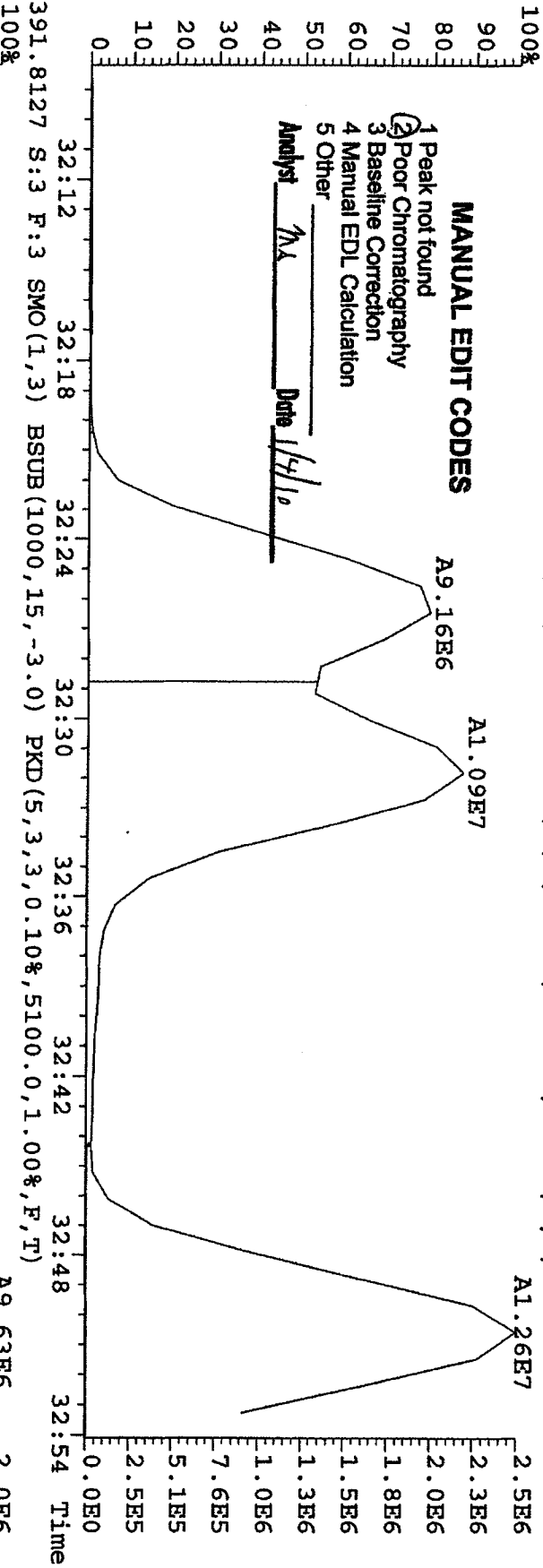


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)

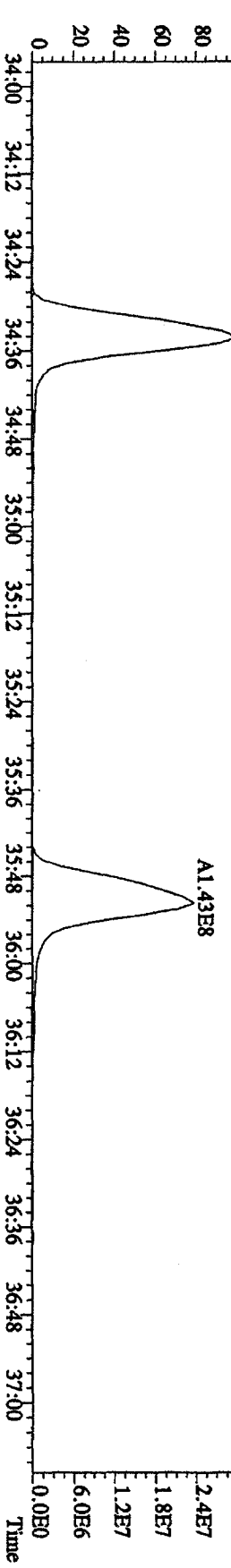
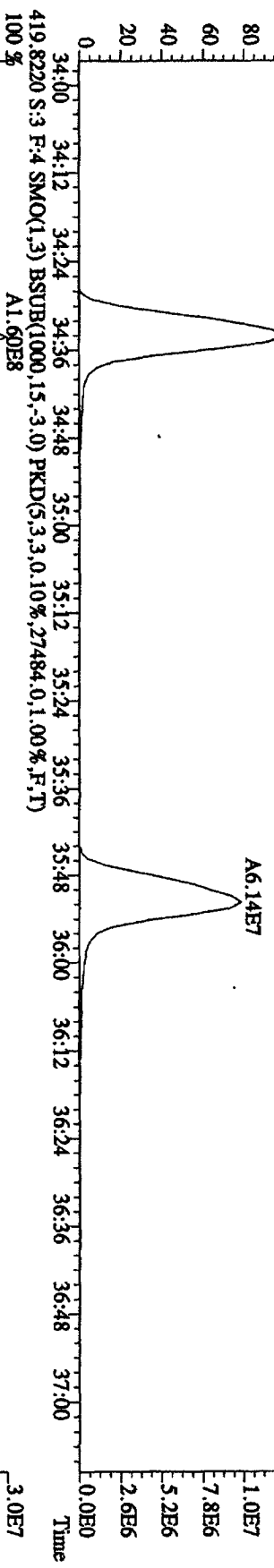
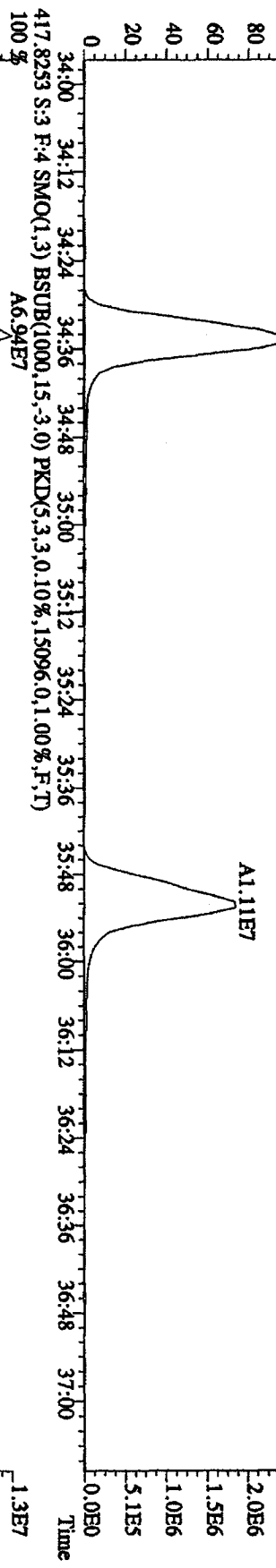
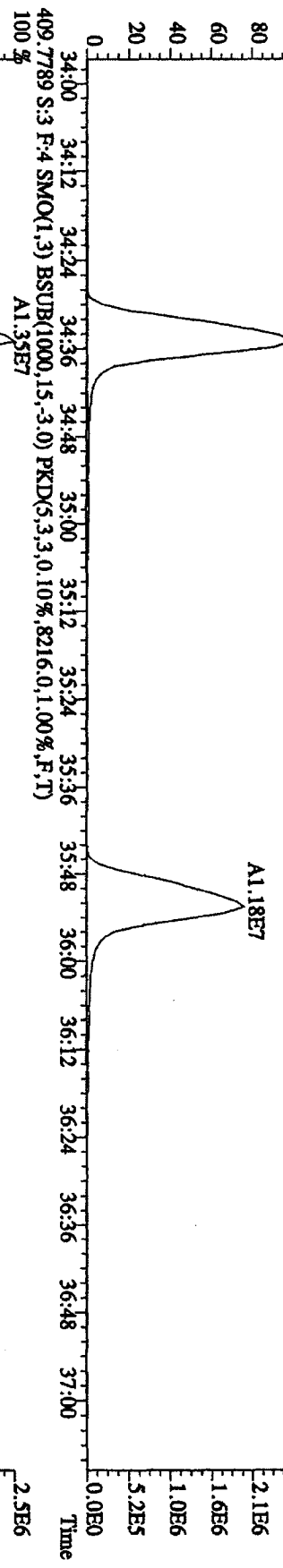
MANUAL EDIT CODES

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

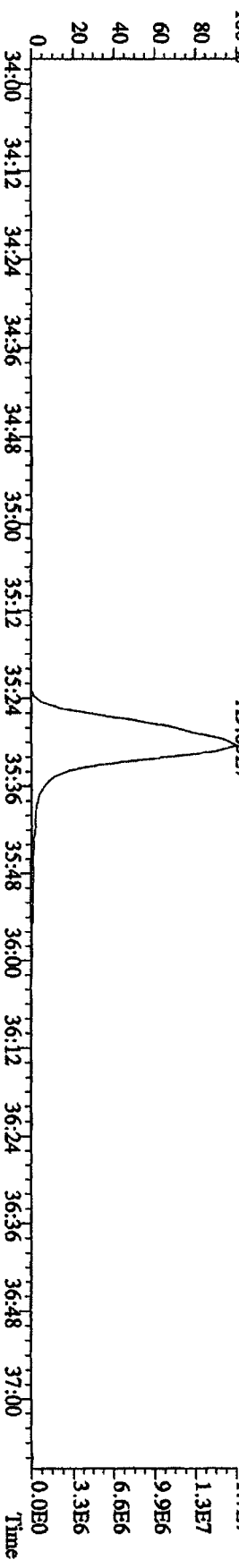
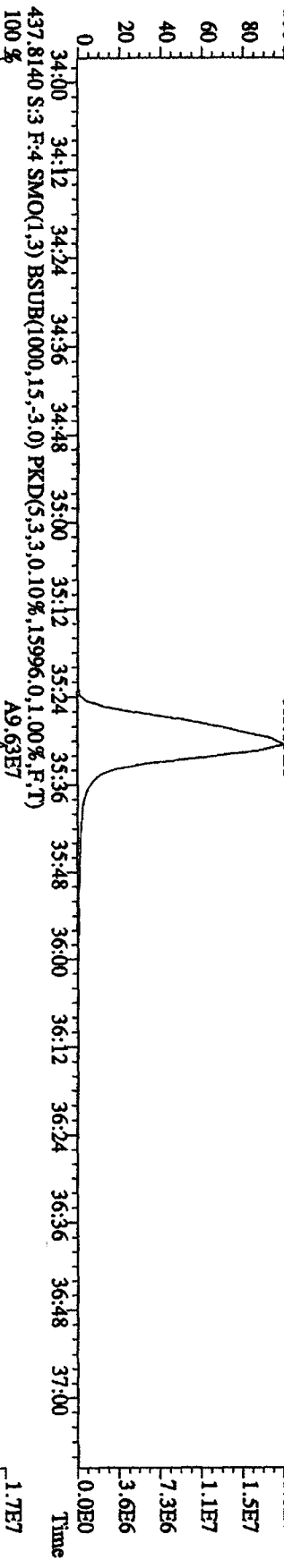
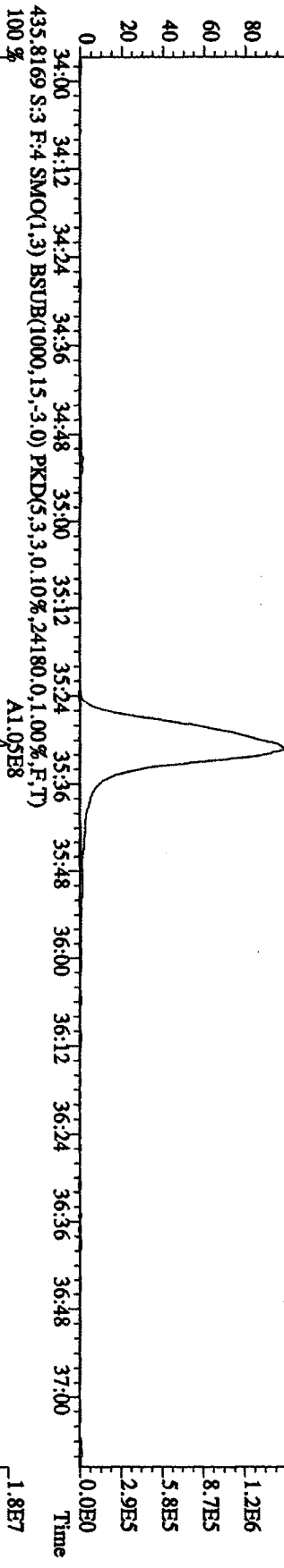
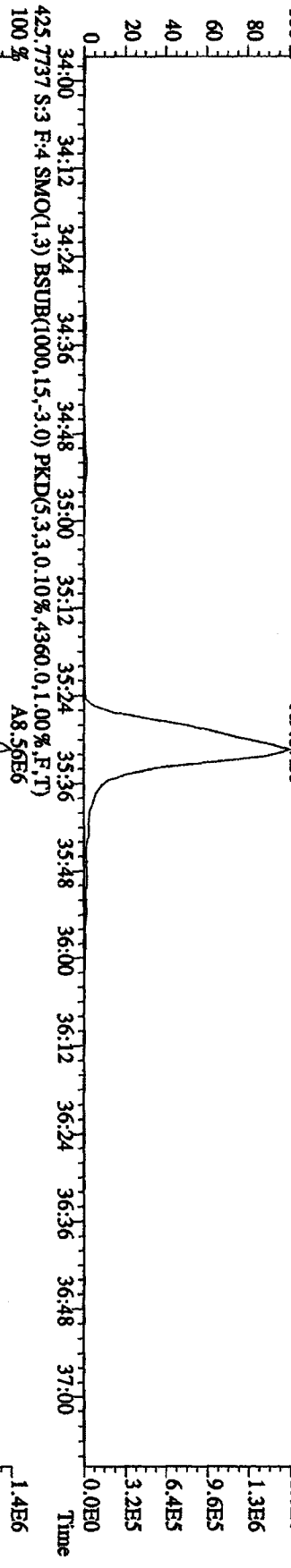
Analyst NA Date 1/4/10



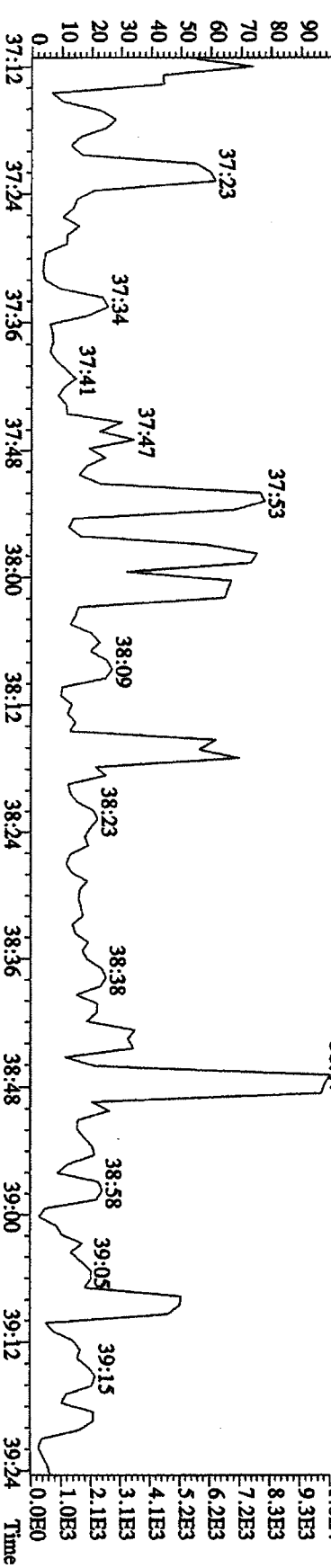
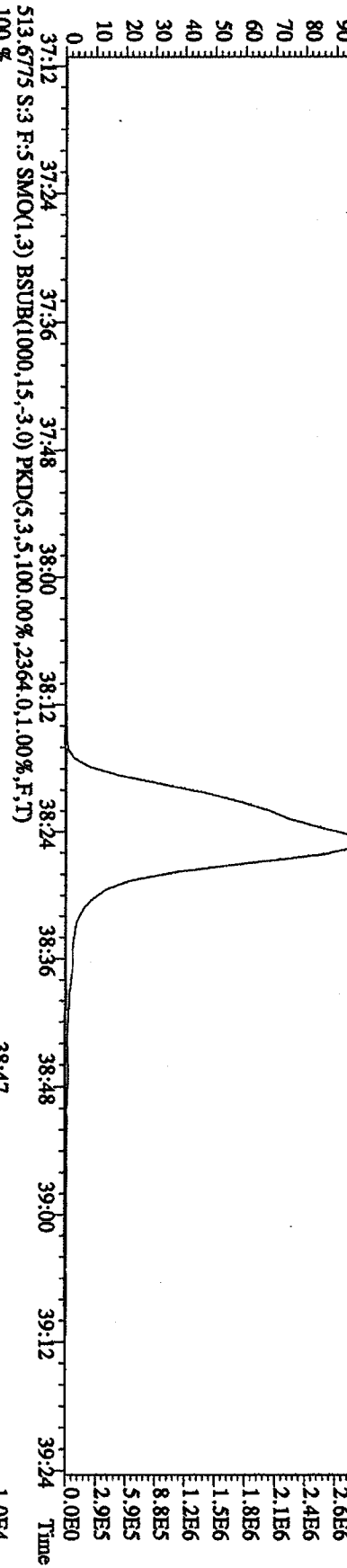
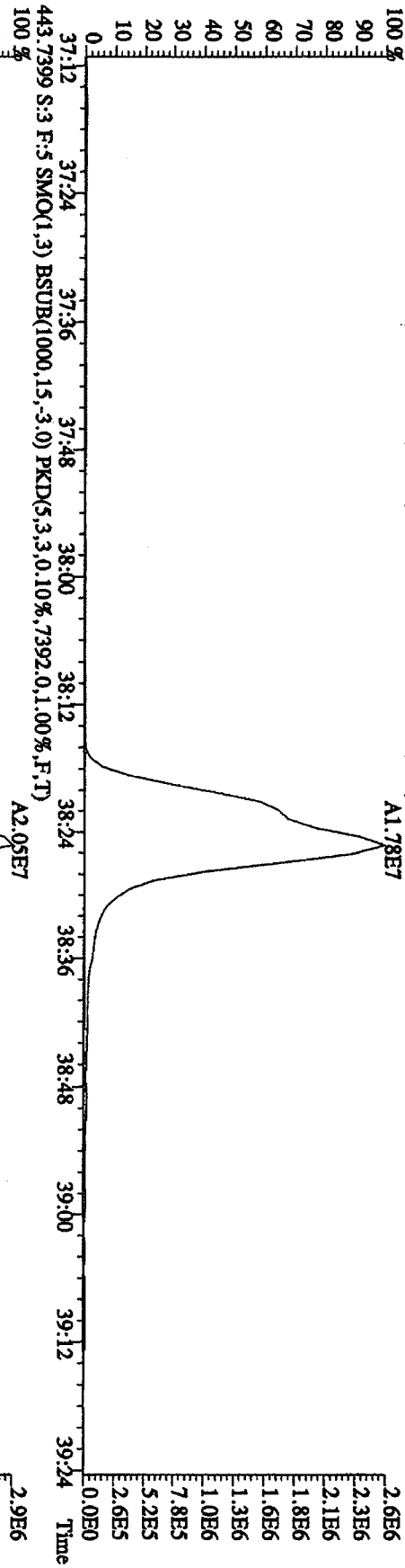
File:31DE09A1D5 #1:227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Tex:ST1231C :CS:2 09DDXN423 Exp:DIOXIN
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7212,0.1,00%,F,T)



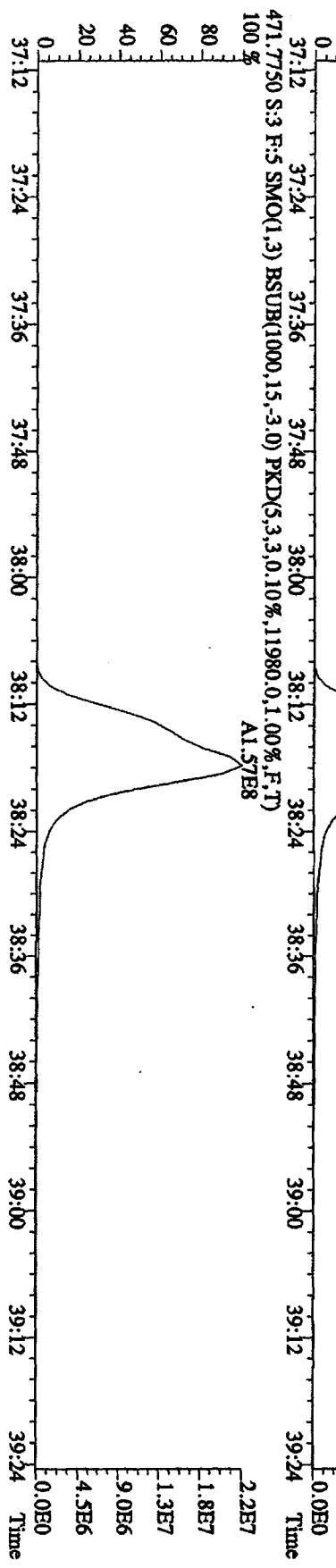
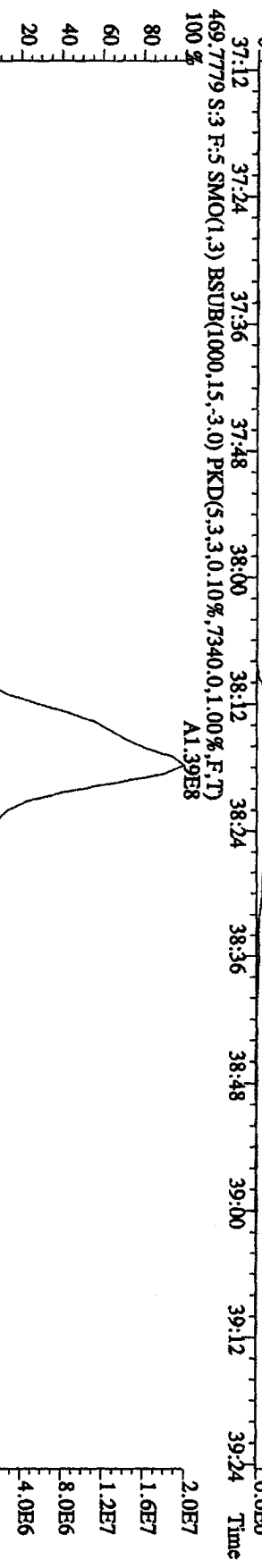
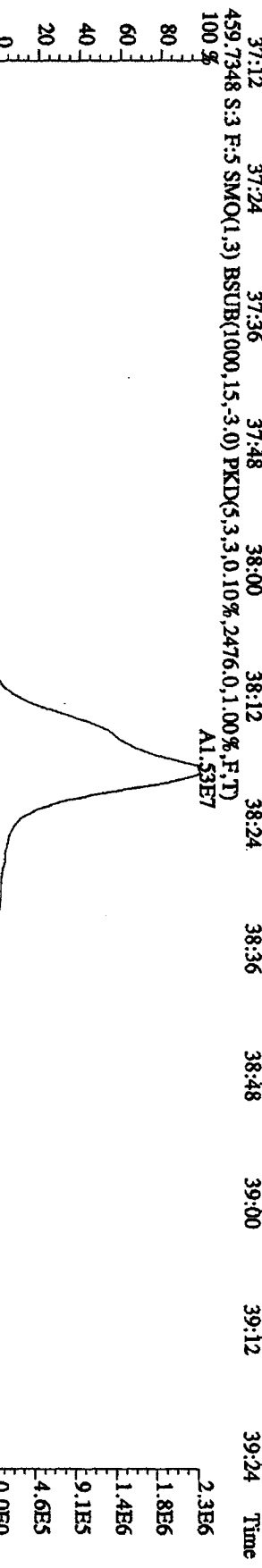
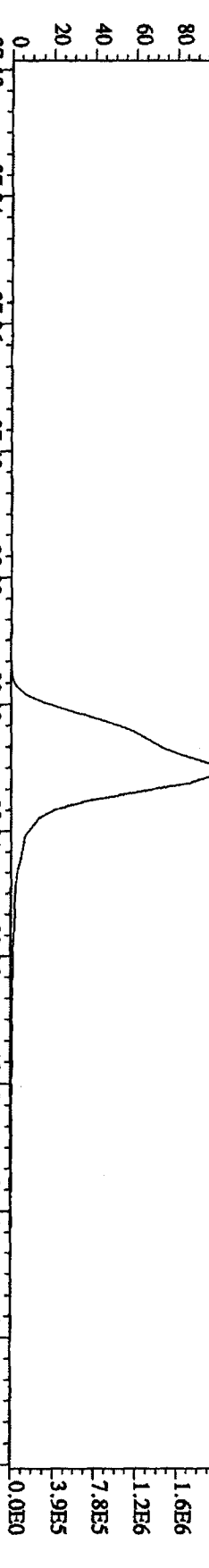
File:31DE09AID5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 423.7766 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3908,0,1.00%,F,T)
 100 % A9.17E6



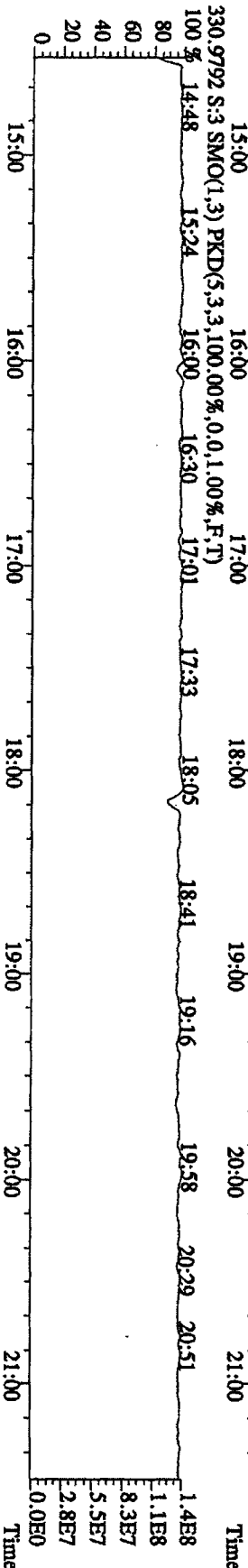
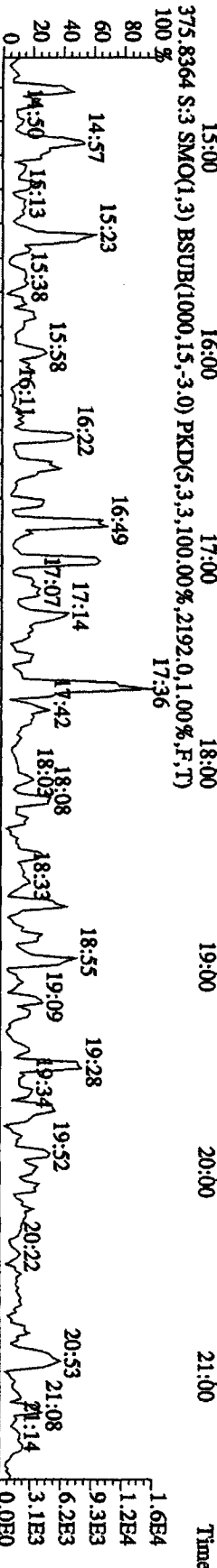
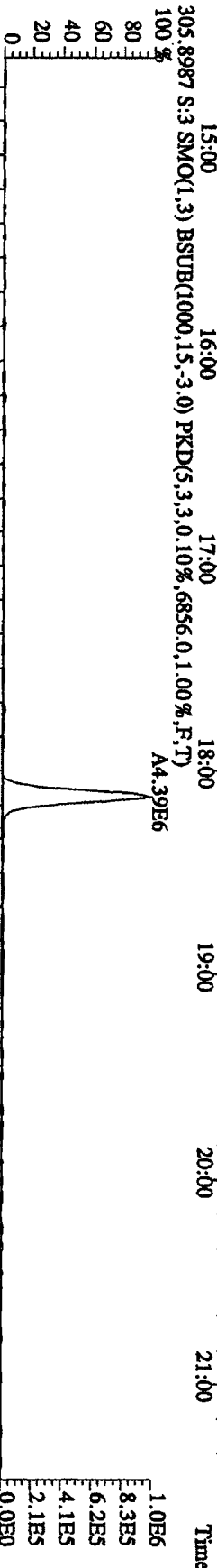
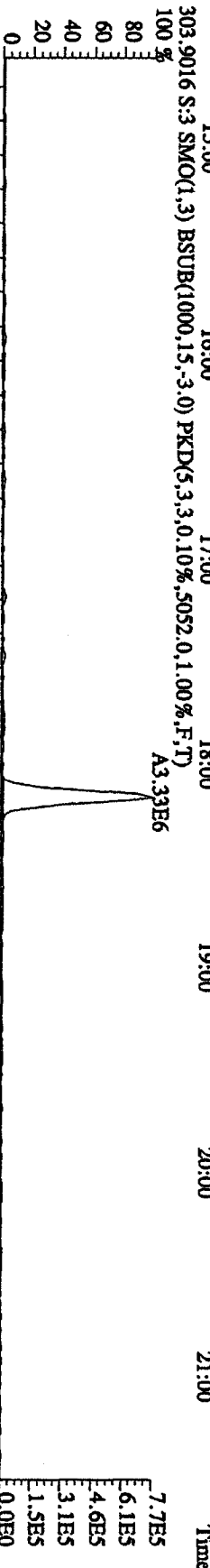
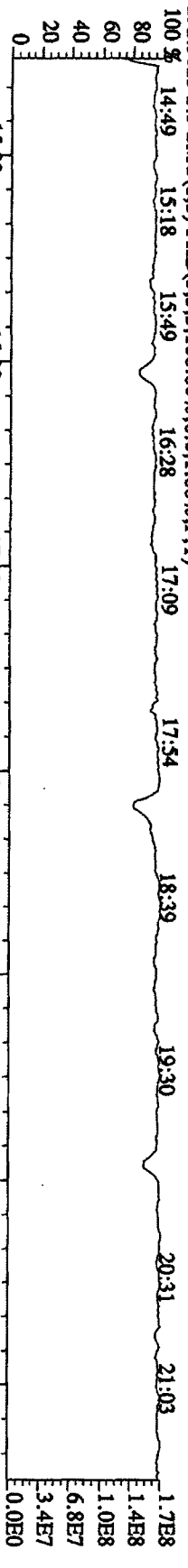
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,8956.0,1.00%,F,T)



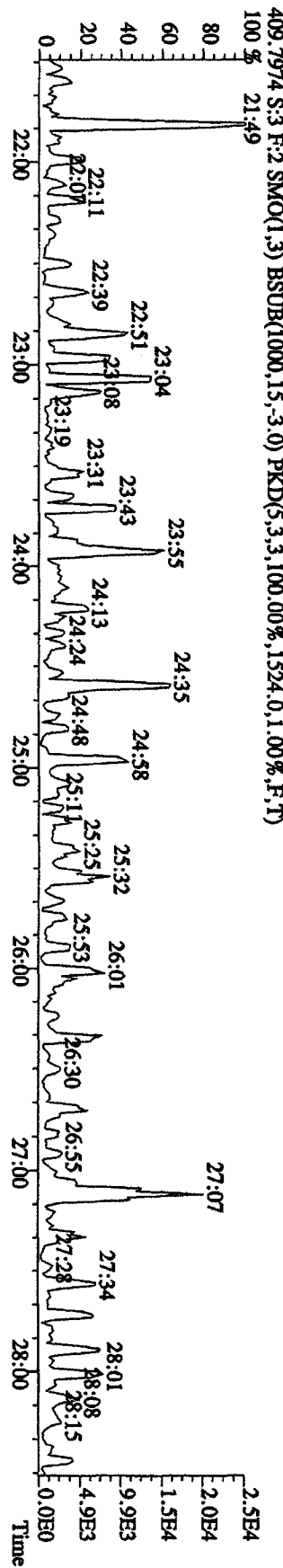
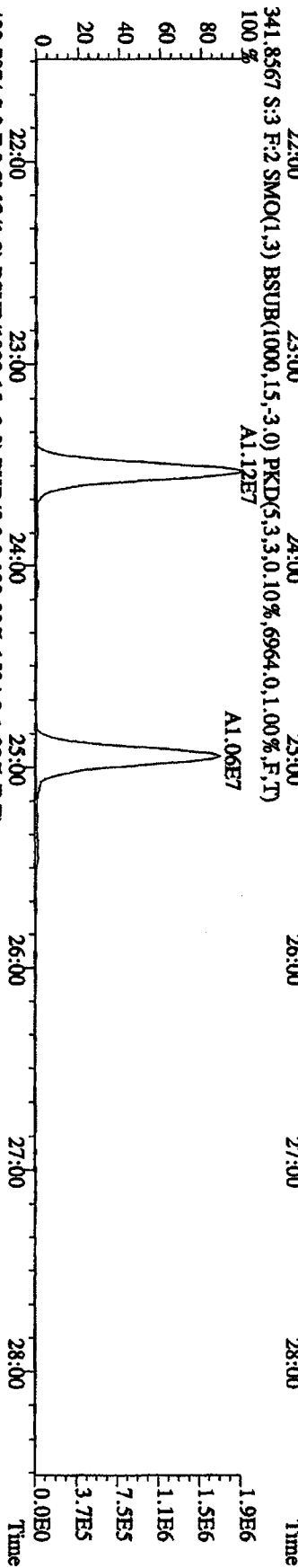
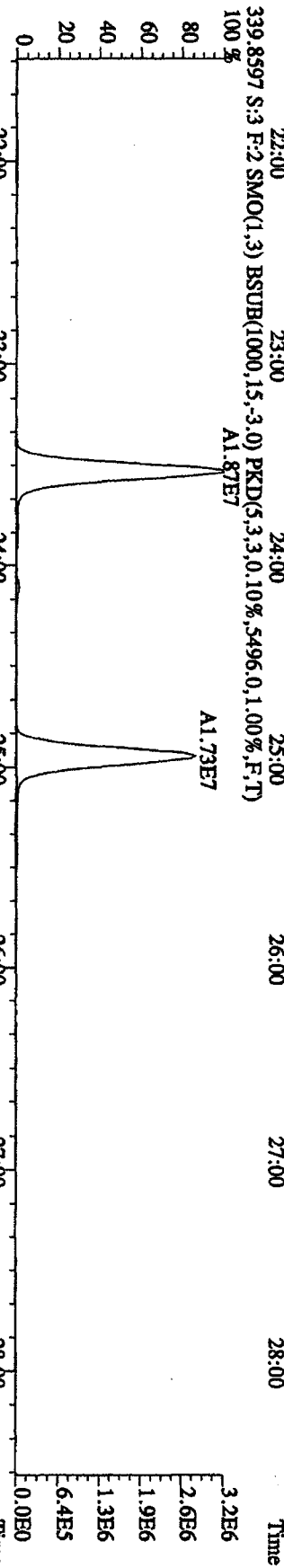
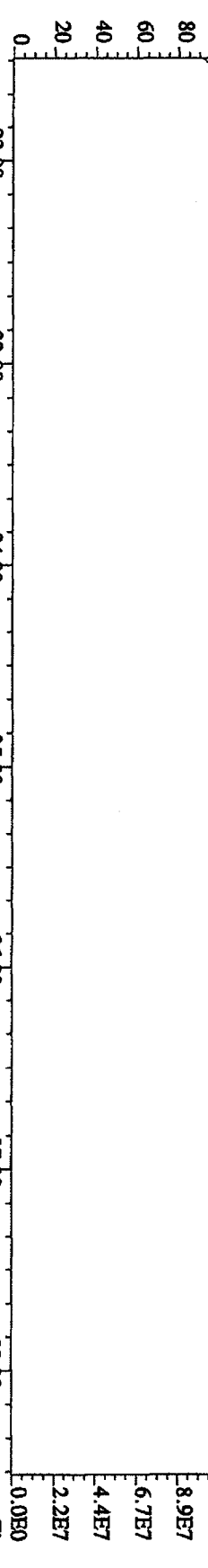
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DDXN423 Exp:DIOXIN
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,.5116,0.1,0.00%,F,T)
 100 %



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage S1R 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



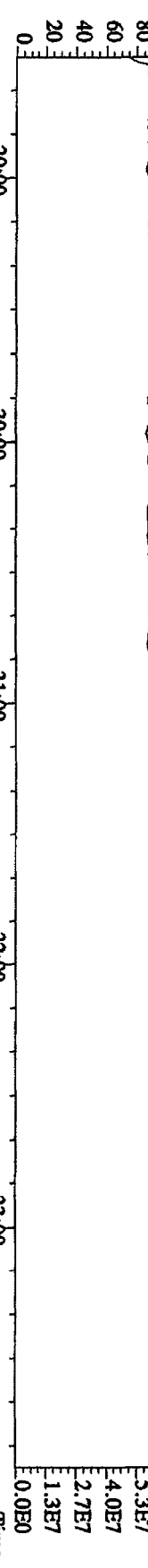
File:31DE09AIDS #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2.09DXN423 Exp:DIOXIN
 342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:57 22:27 23:01 23:34 23:58 24:26 25:03 25:45 26:29 27:01 27:44 28:26



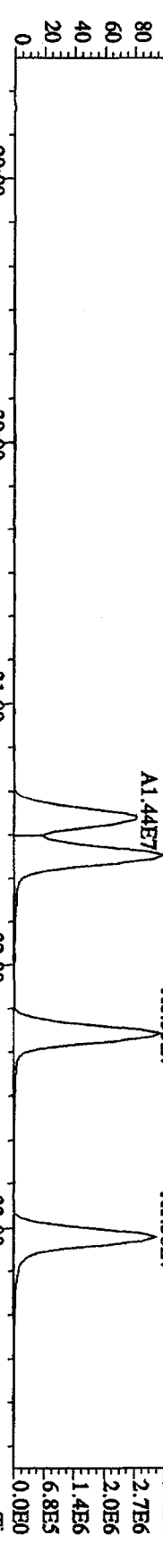
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI + Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp.:DIOXIN

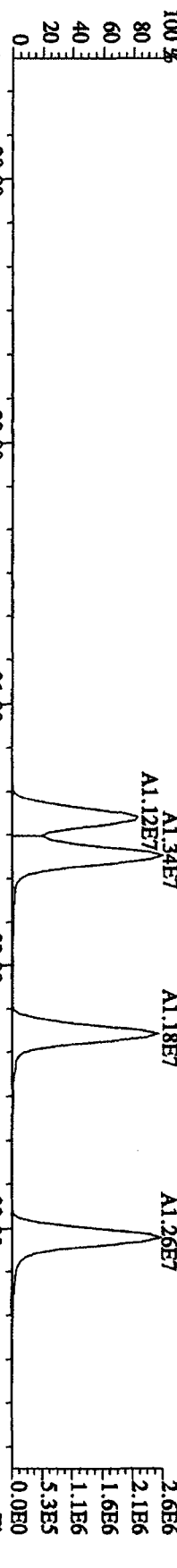
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



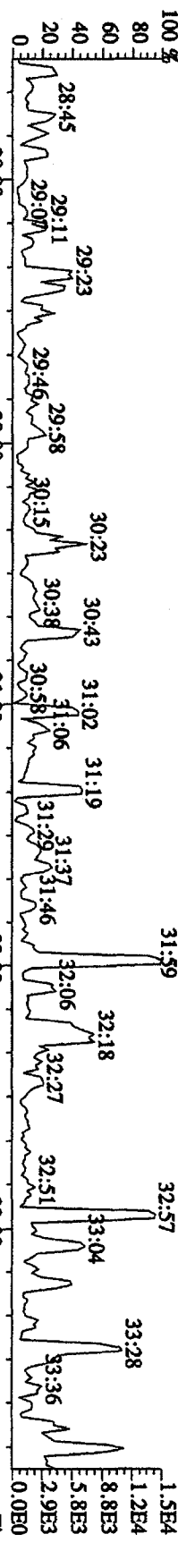
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9584,0.1,00%,F,T)



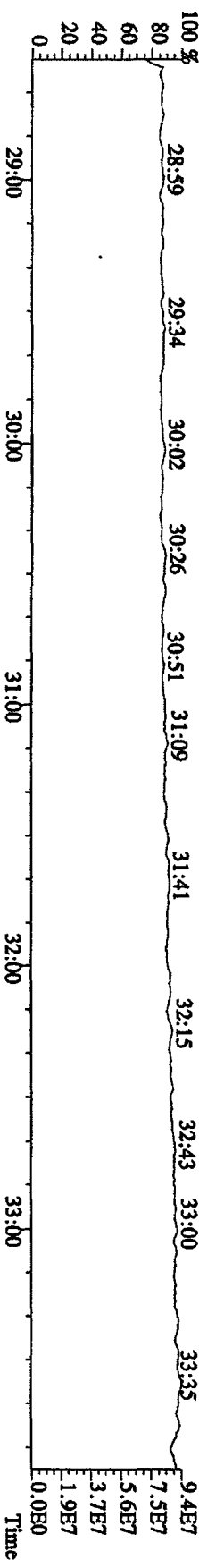
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8548,0.1,00%,F,T)



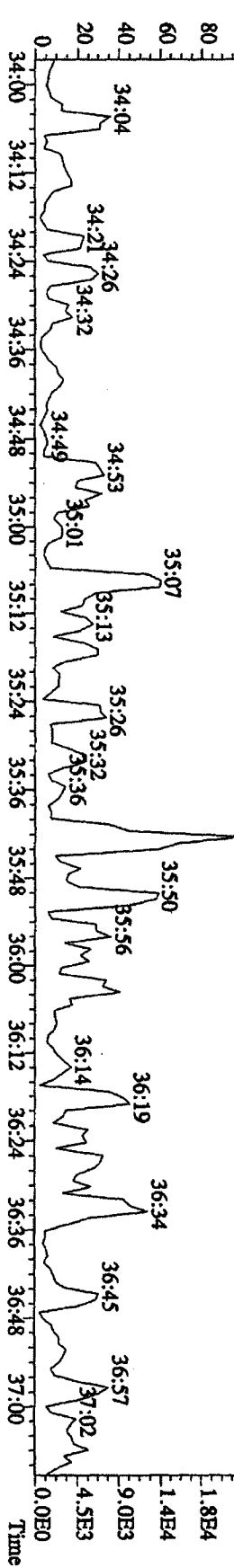
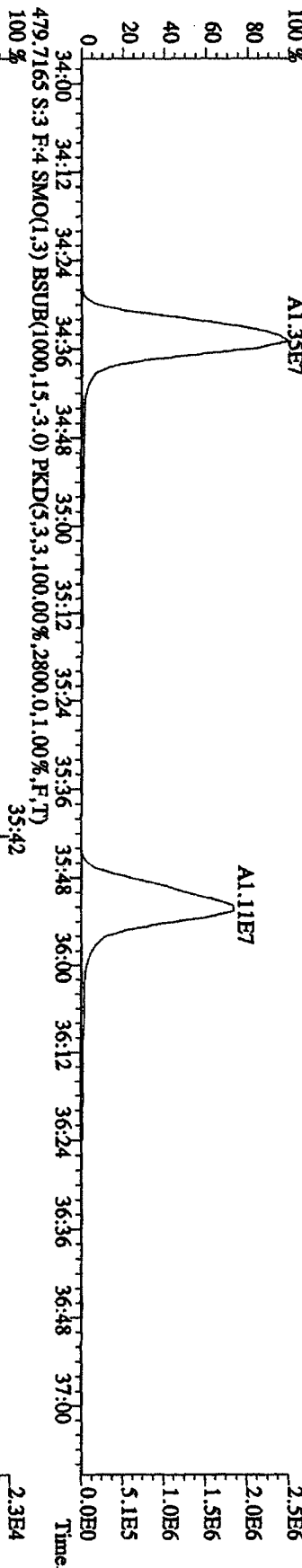
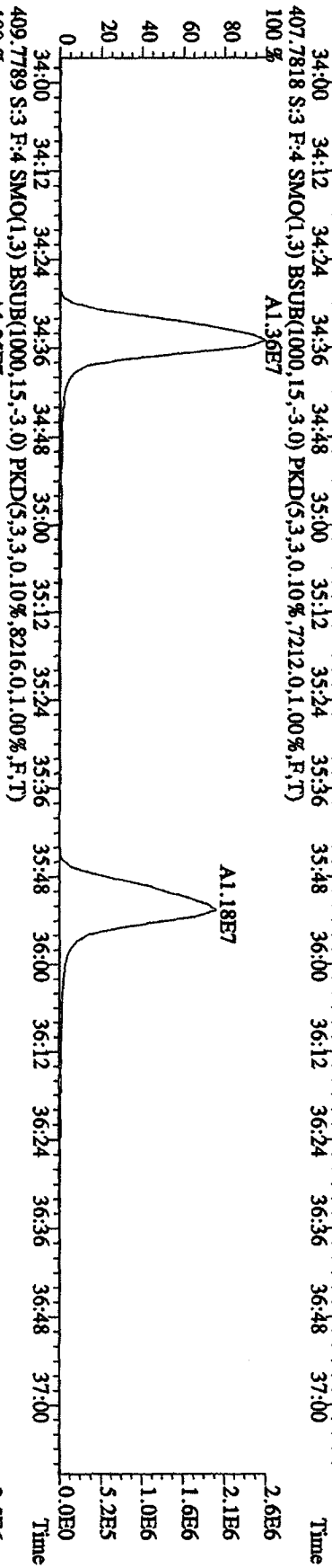
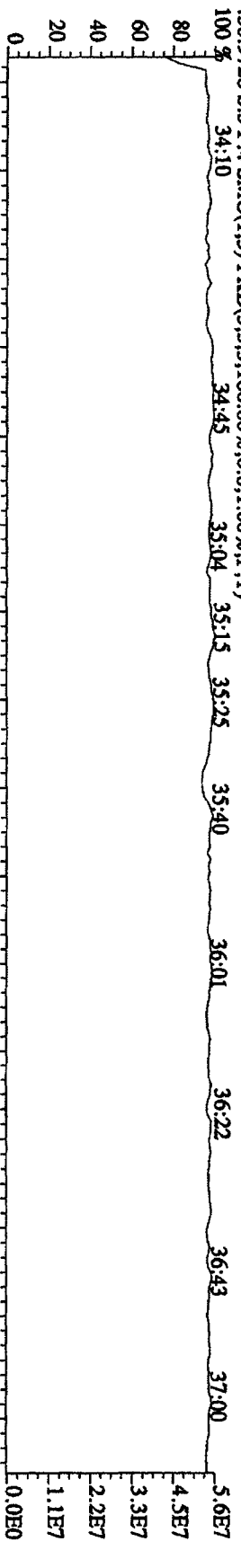
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2032,0.1,00%,F,T)



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



File:31DE09AID5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2-09DXN423 Exp:DIOXIN
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 34:10 34:45 35:04 35:15 35:25 35:40 36:01 36:22 36:43 37:00



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI + Voltage SIR 70SE

Sample#3 Test: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)

100 % 37:16

37:28 37:39

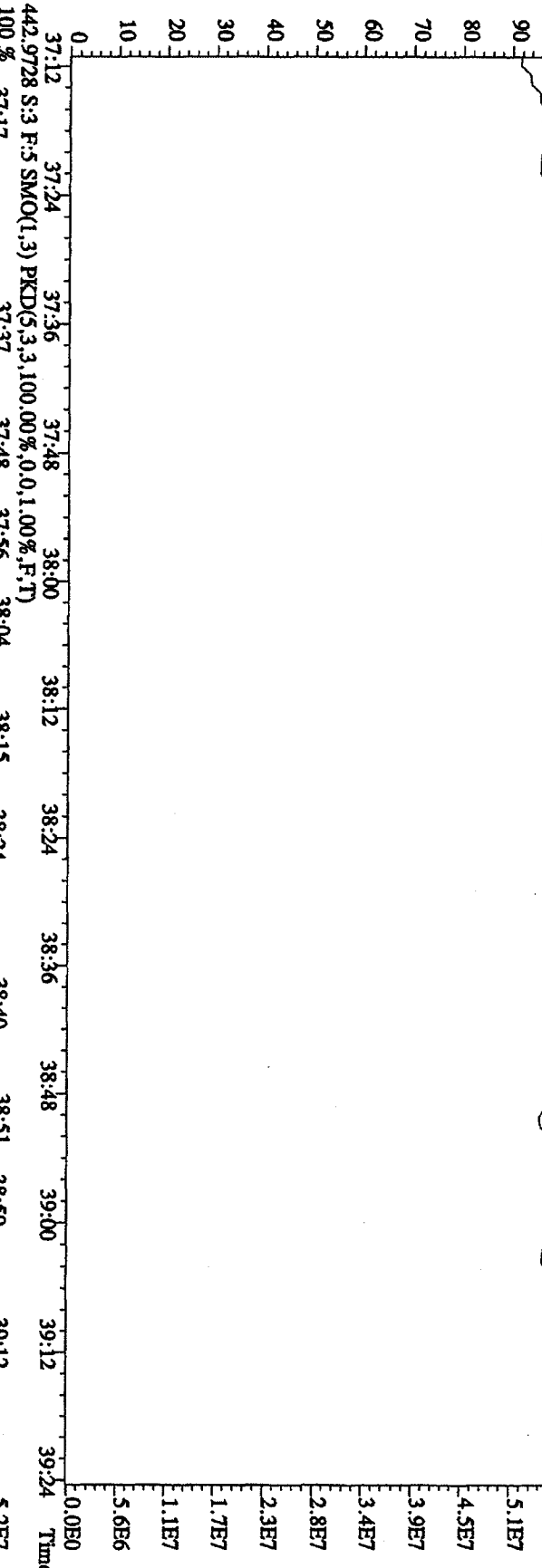
37:51 38:01

38:18 38:30

38:39 38:48

38:56 39:07

39:19 5.6E7



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

100 % 37:17

37:37 37:48

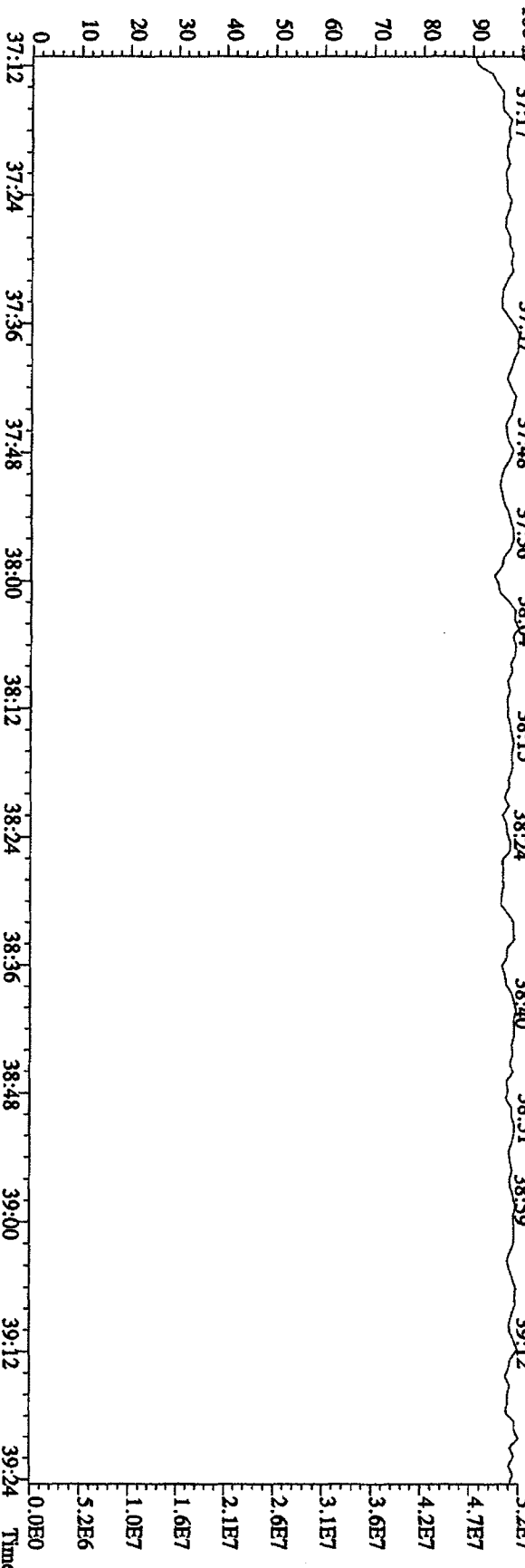
37:56 38:04

38:15 38:24

38:40 38:48

38:59 39:00

39:12 5.2E7



37:12 37:24

37:36 37:48

38:00 38:12

38:24 38:36

38:48 39:00

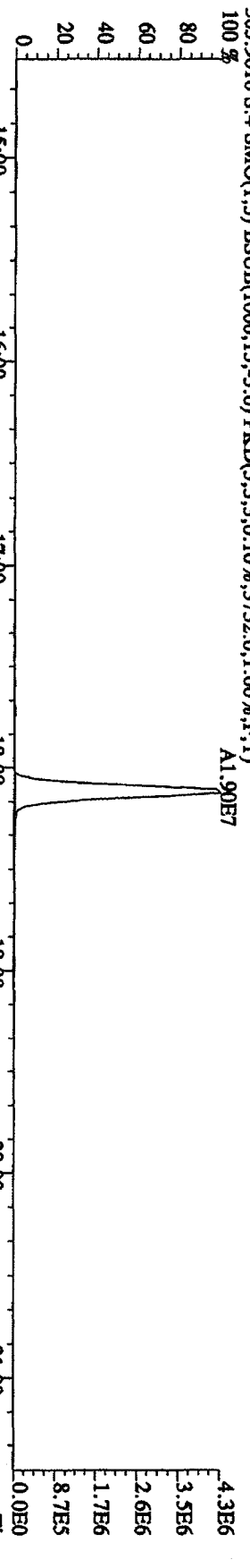
39:12 39:24

0.0E0 5.2E6

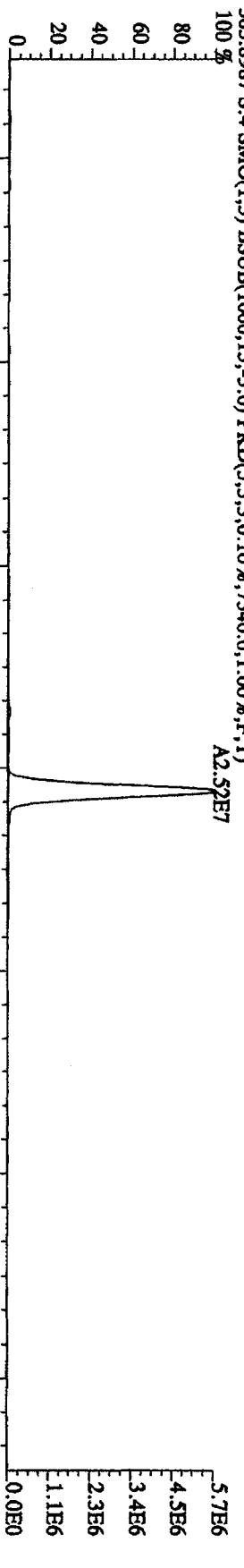
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

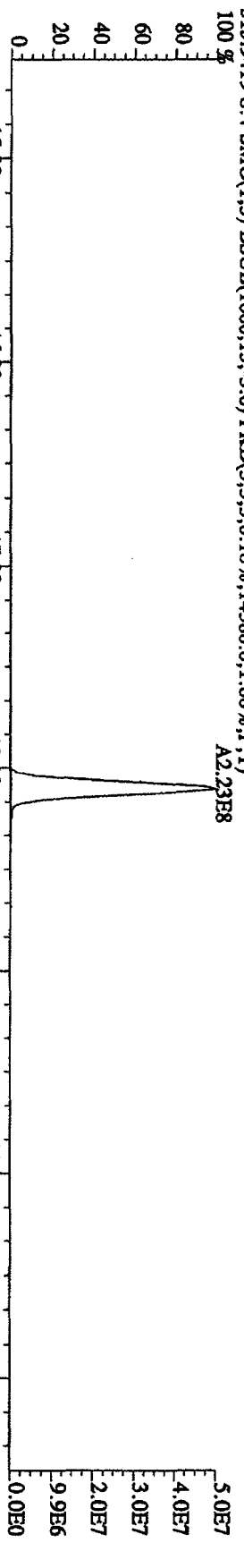
303.9016 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3752.0,1.00%,F,T)



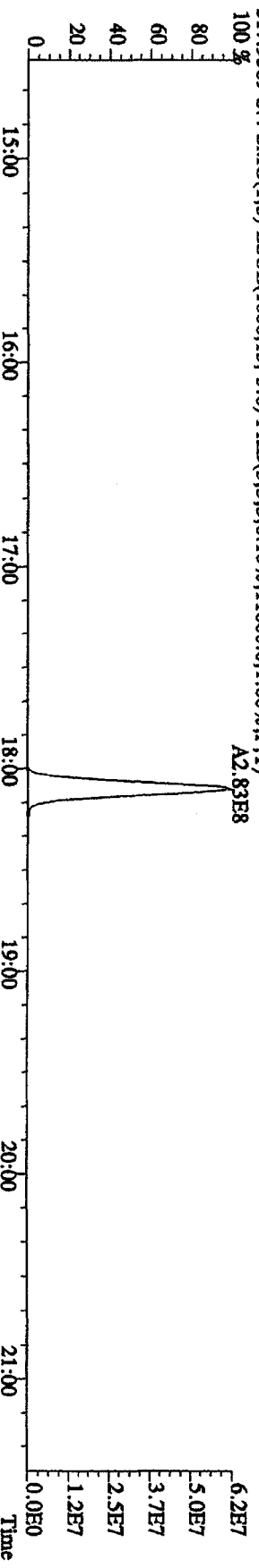
305.8987 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7340.0,1.00%,F,T)



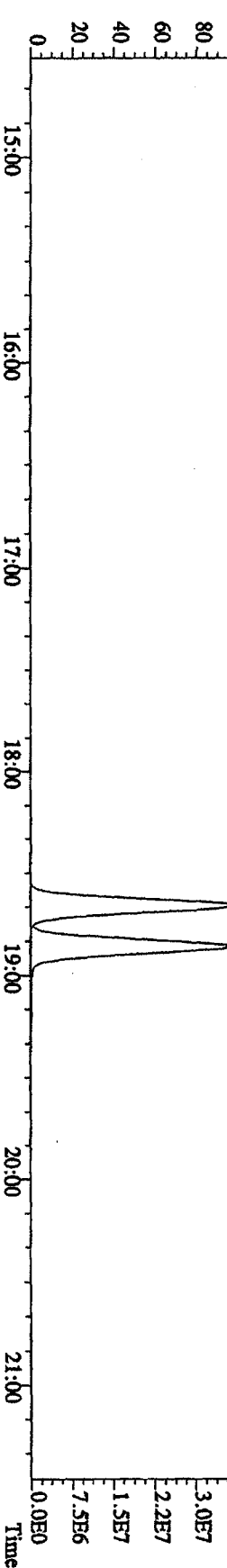
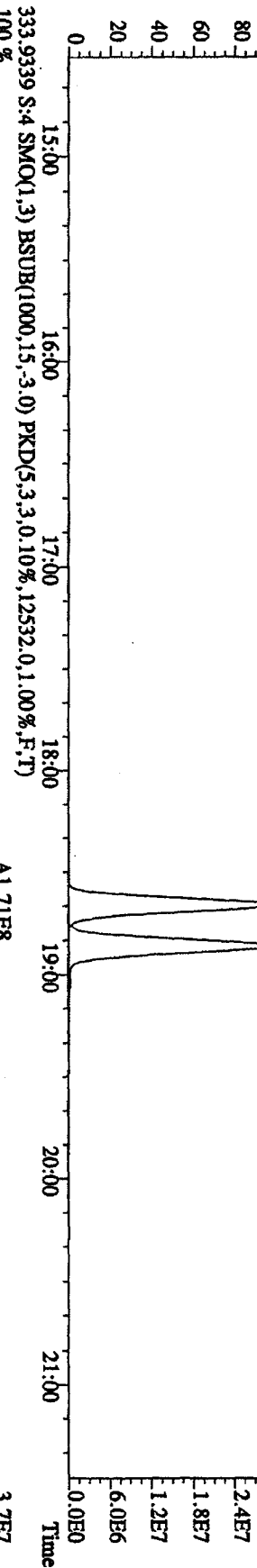
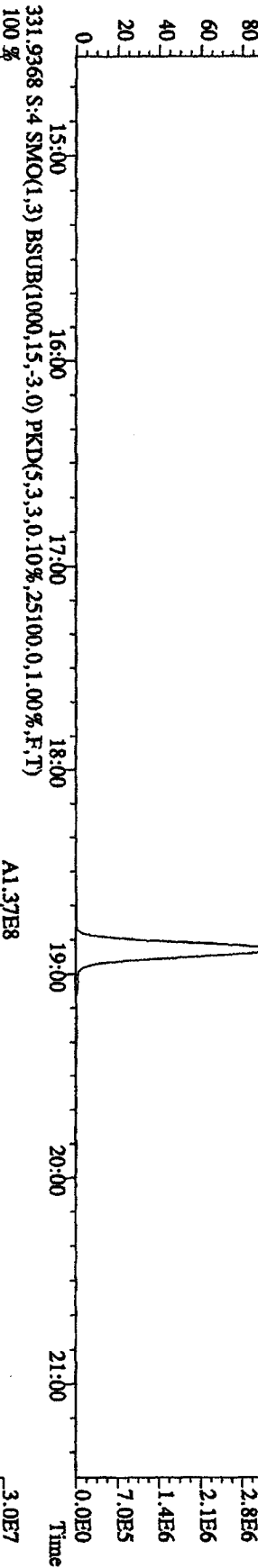
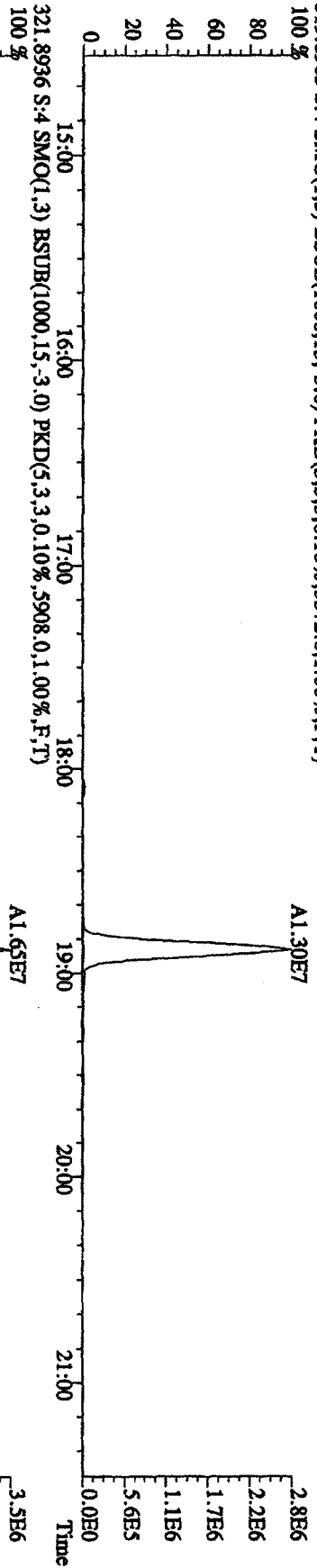
315.9419 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,14580.0,1.00%,F,T)



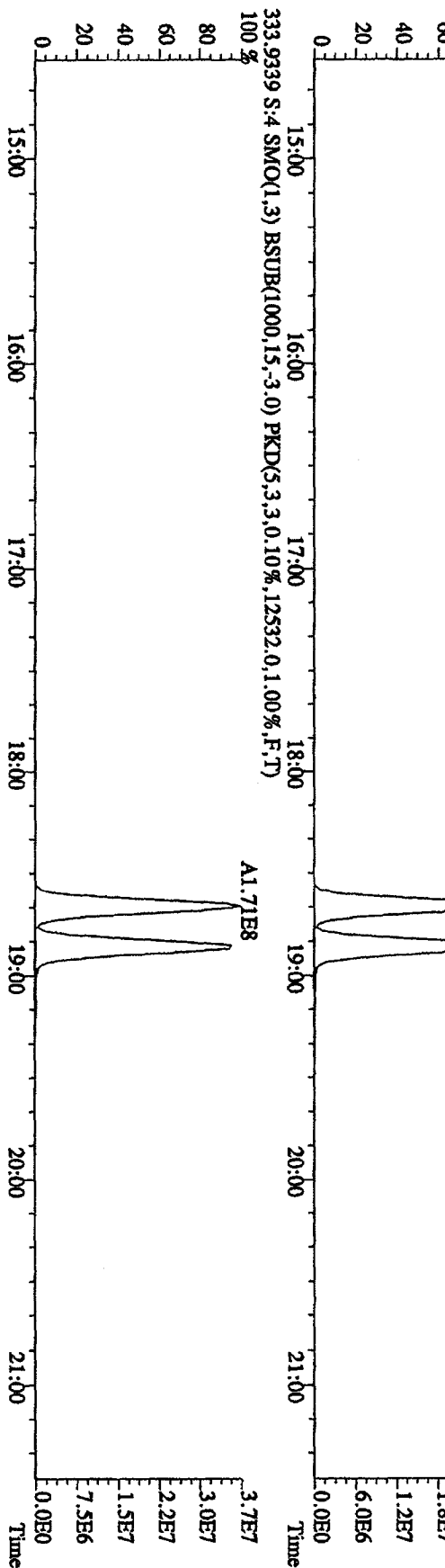
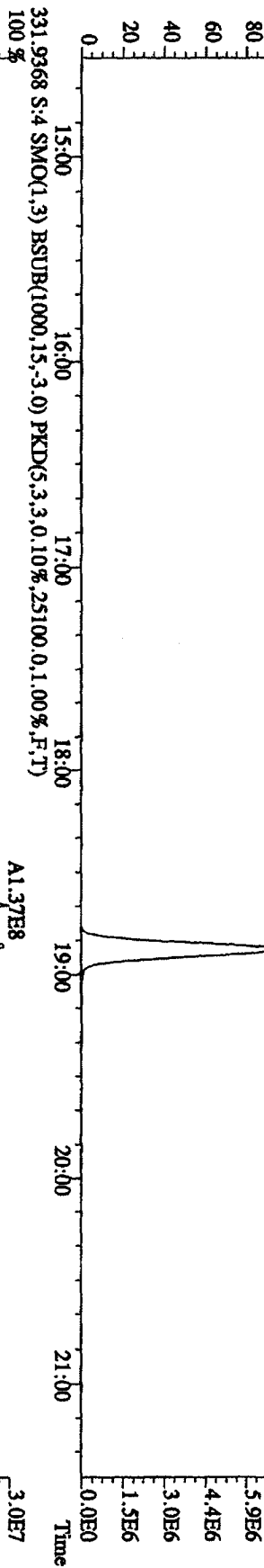
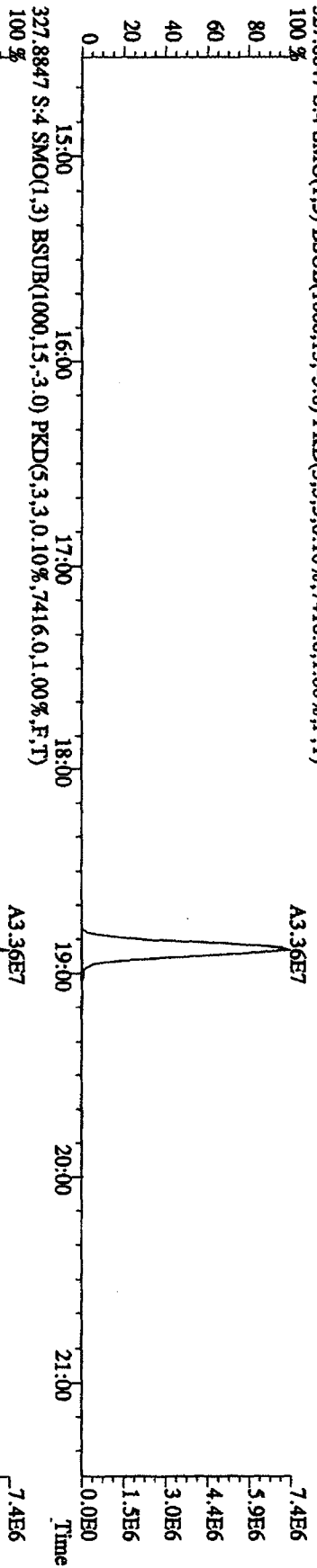
317.9389 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,11880.0,1.00%,F,T)



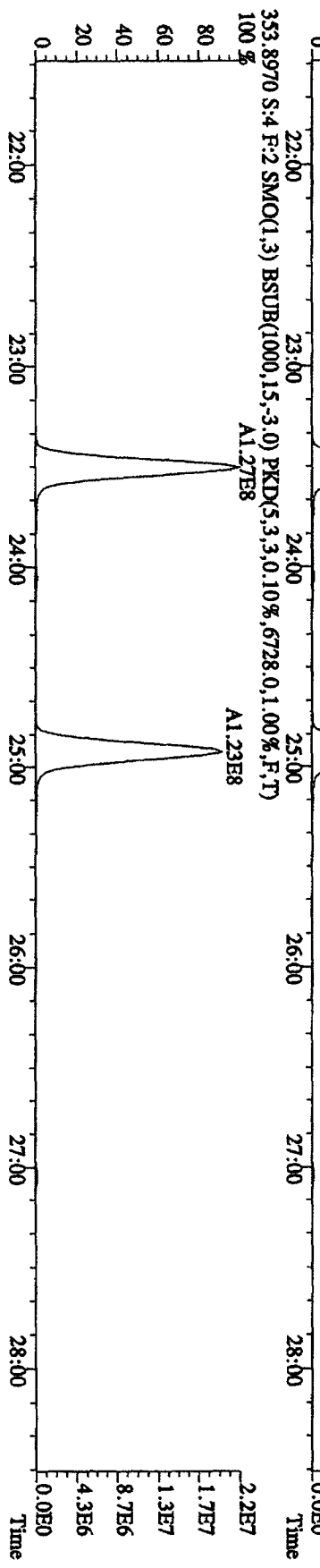
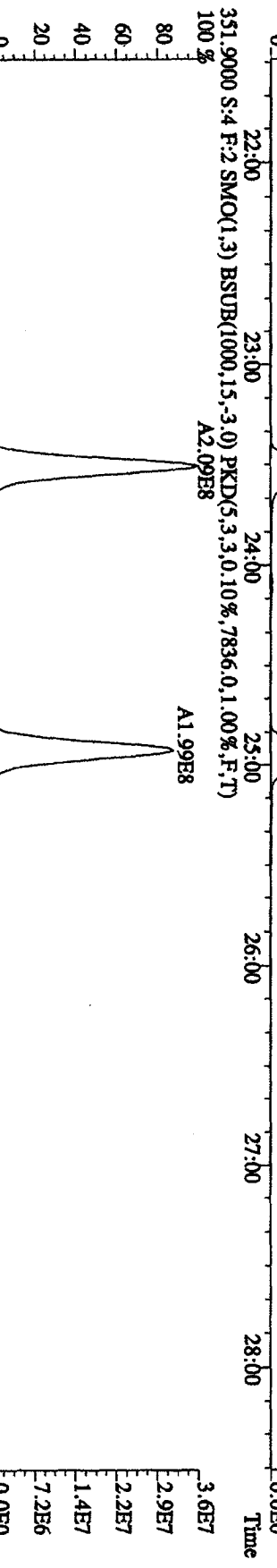
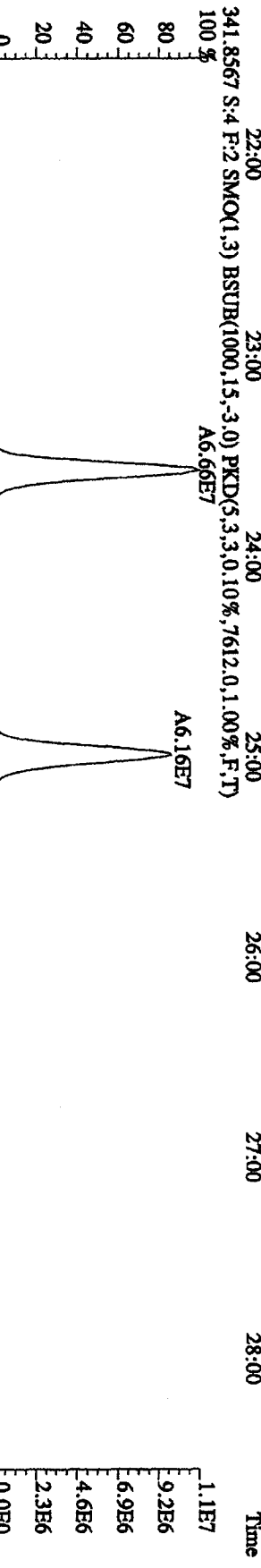
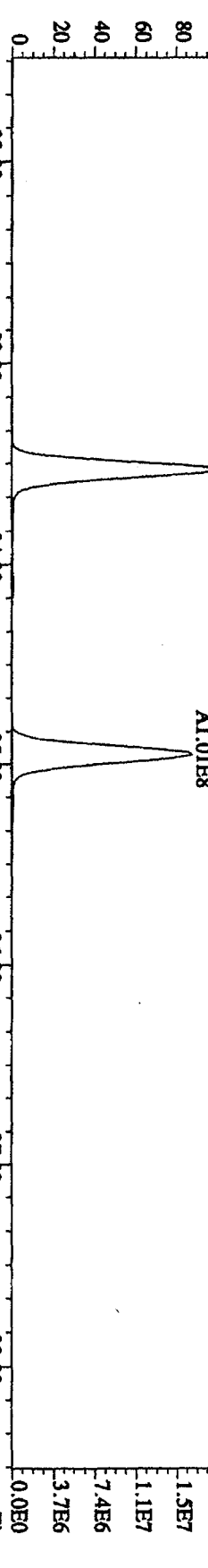
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5572,0,1,00%,F,T)



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)

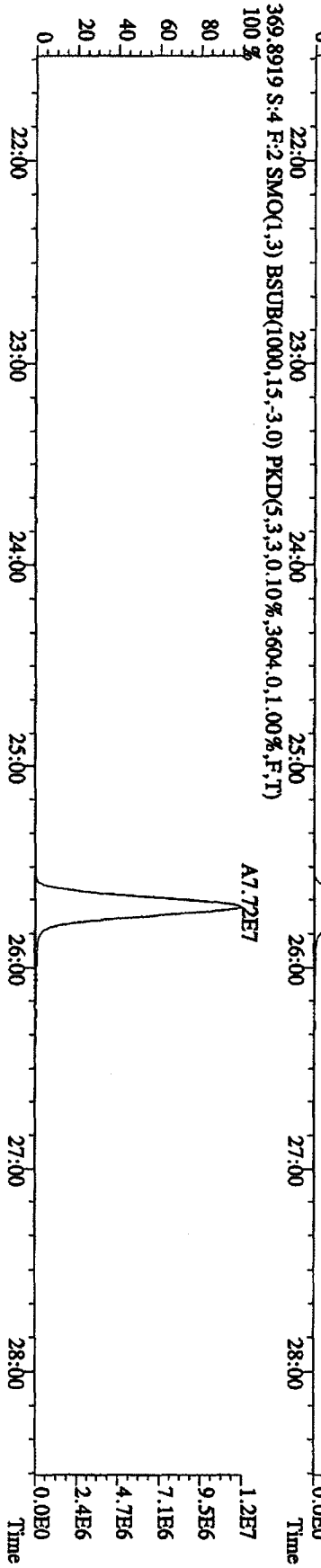
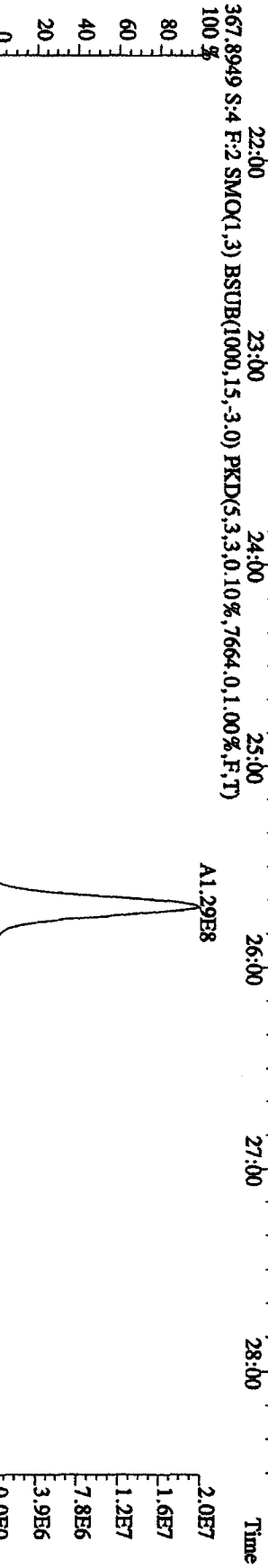
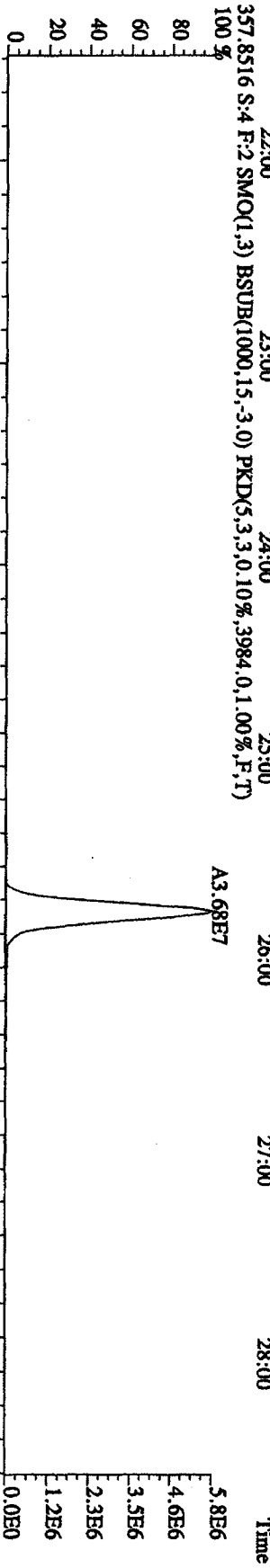
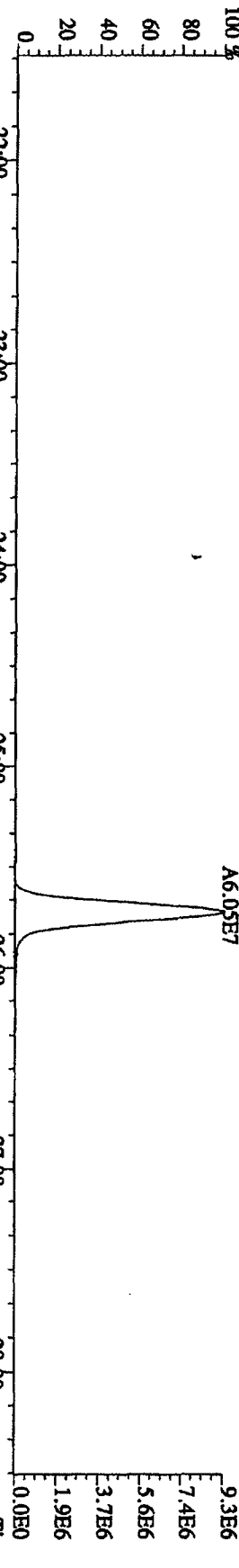


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5428,0.1,00%,F,T)
 100 % A1.08E8



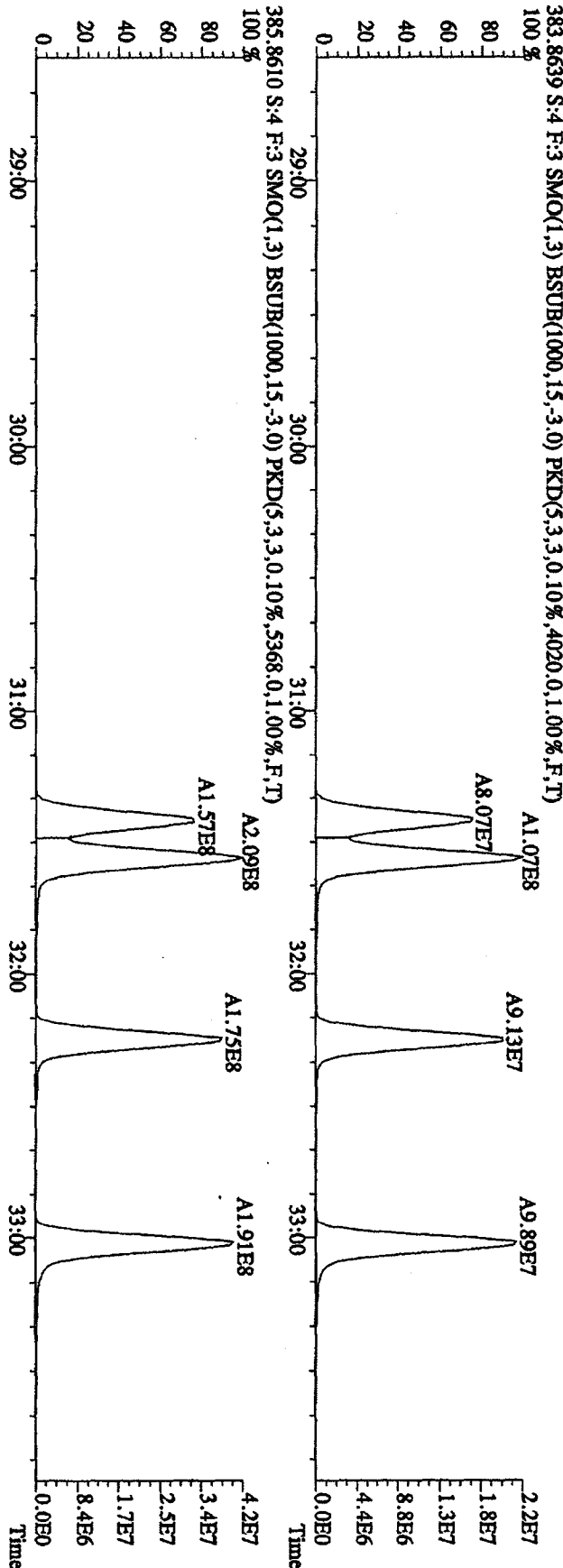
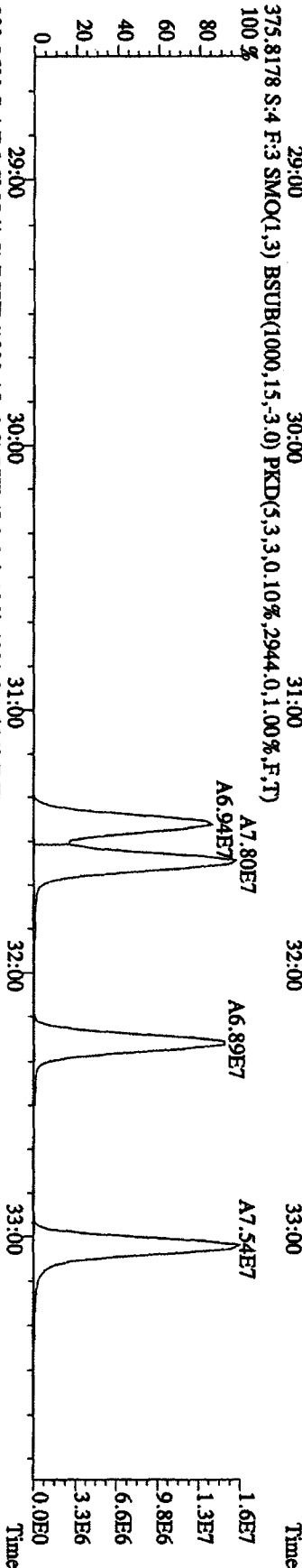
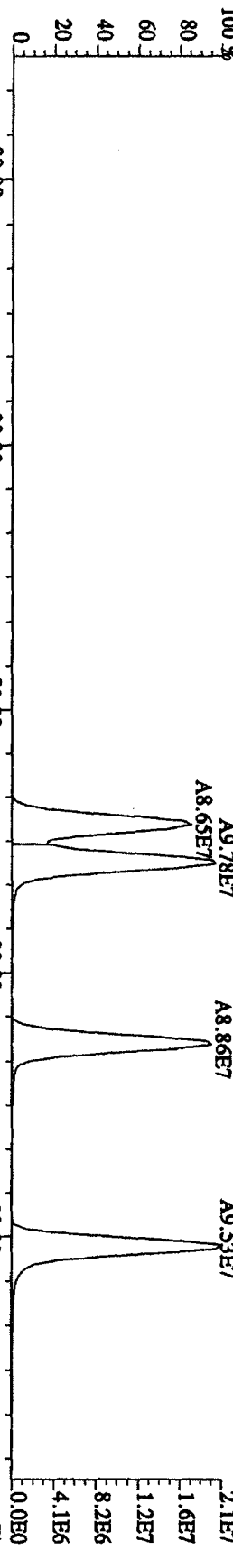
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

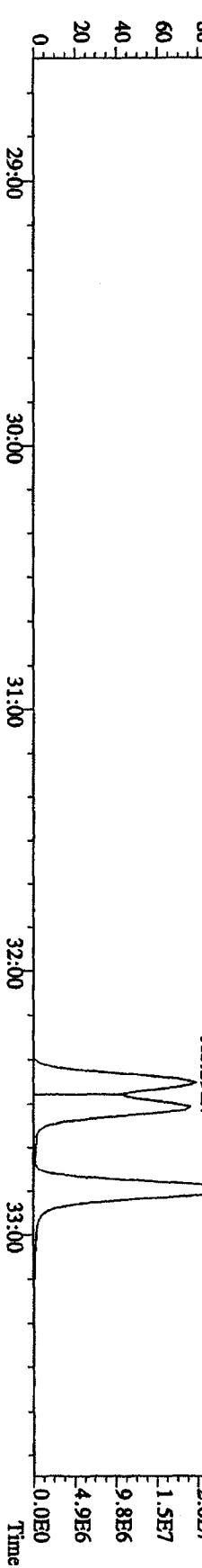
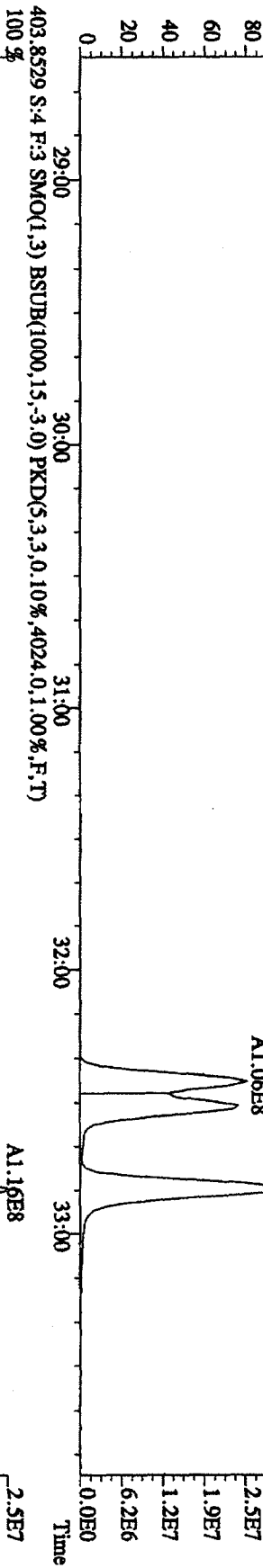
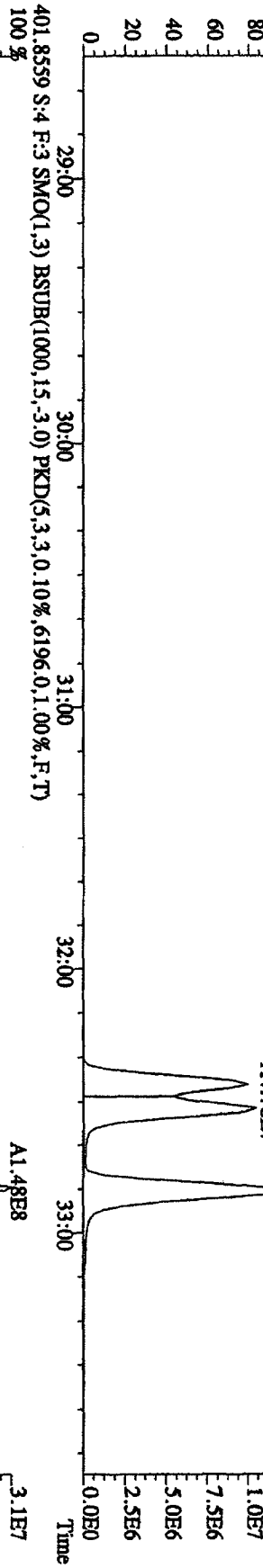
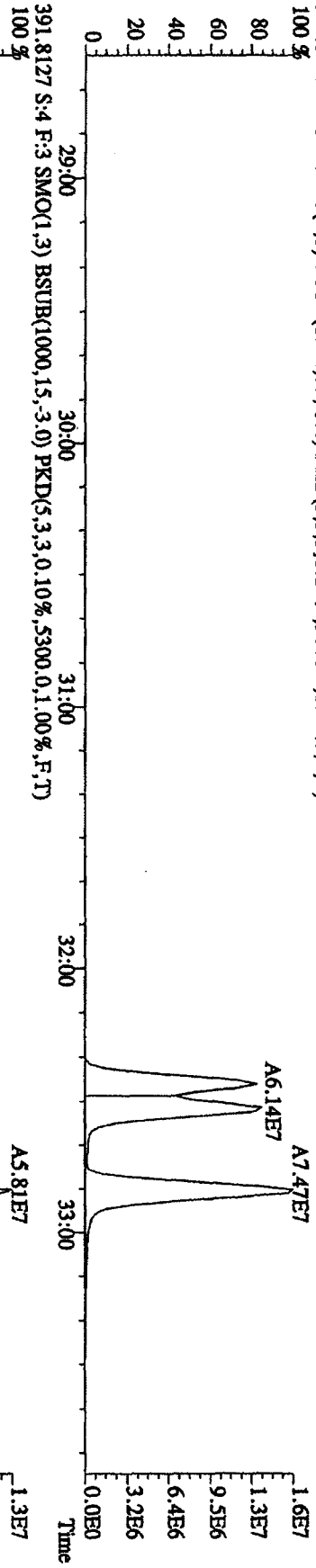


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

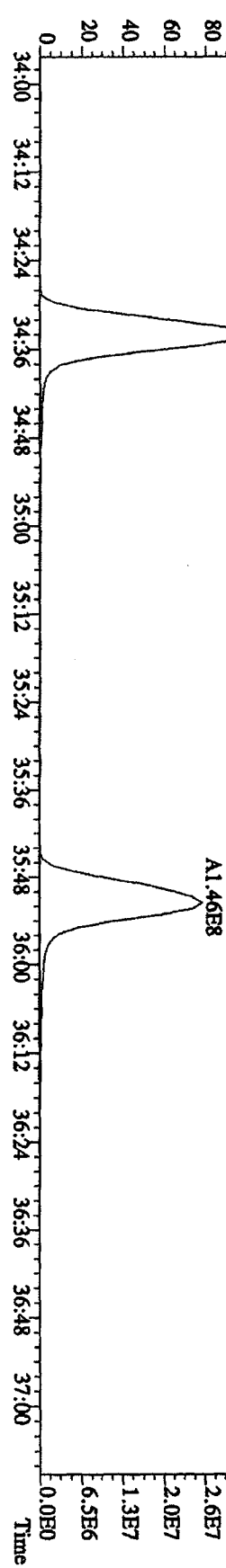
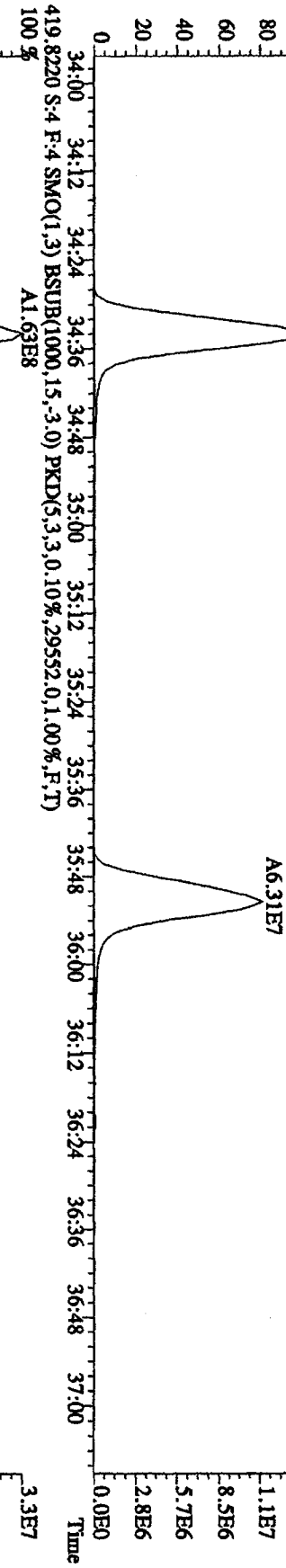
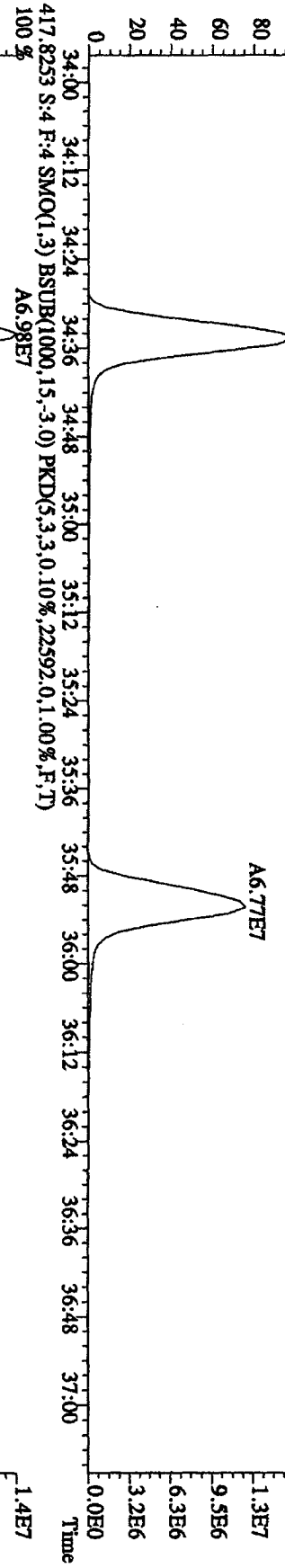
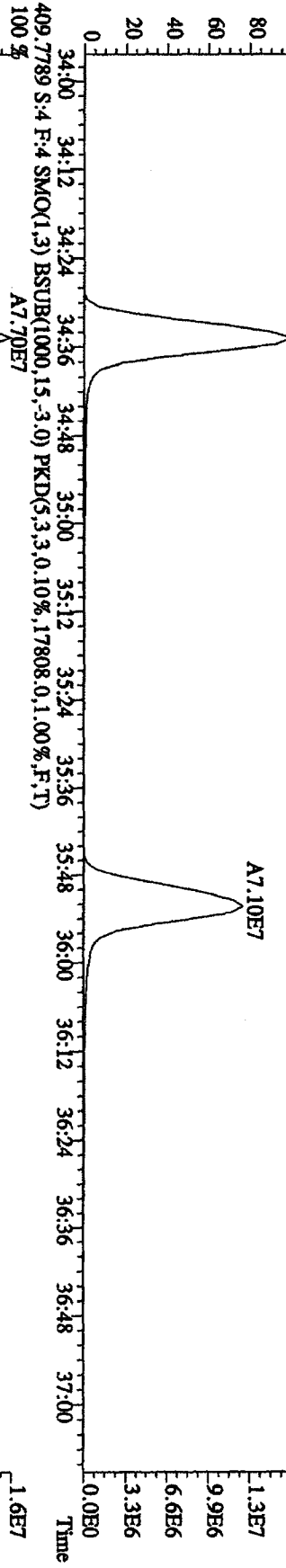
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp.:DIOXIN



File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXM425 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 %

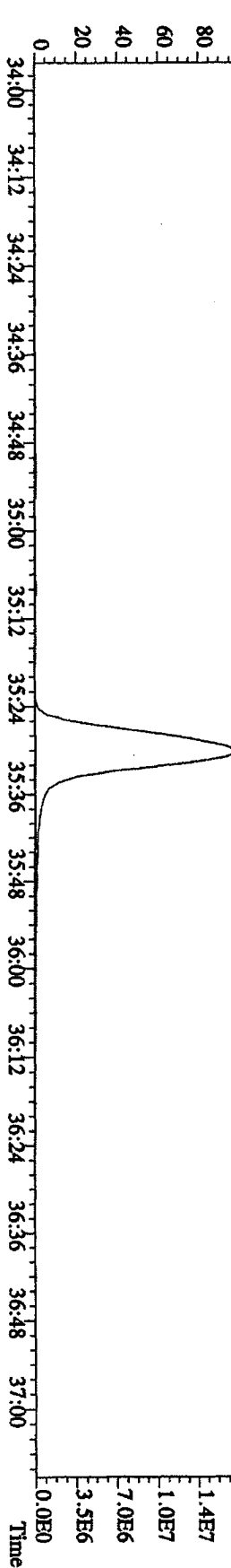
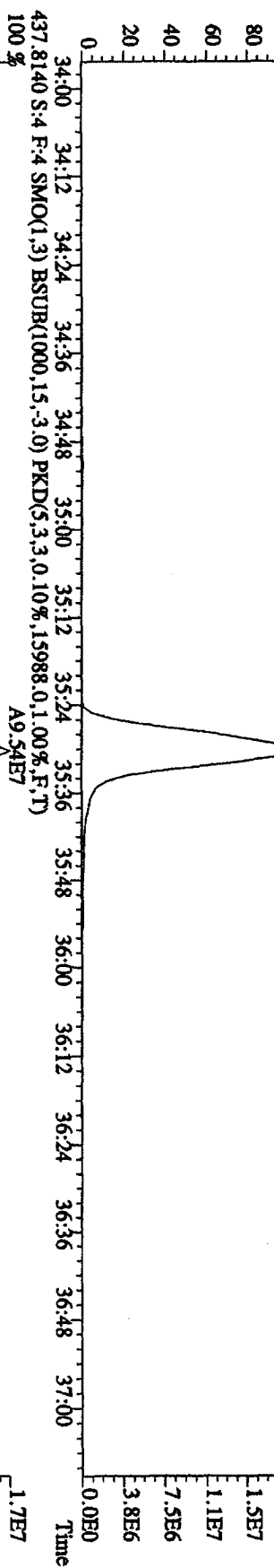
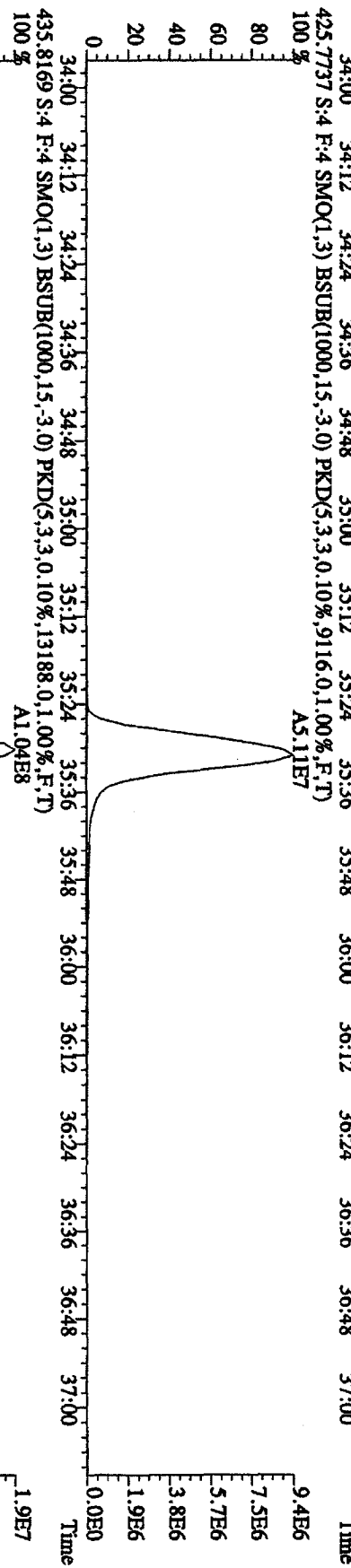
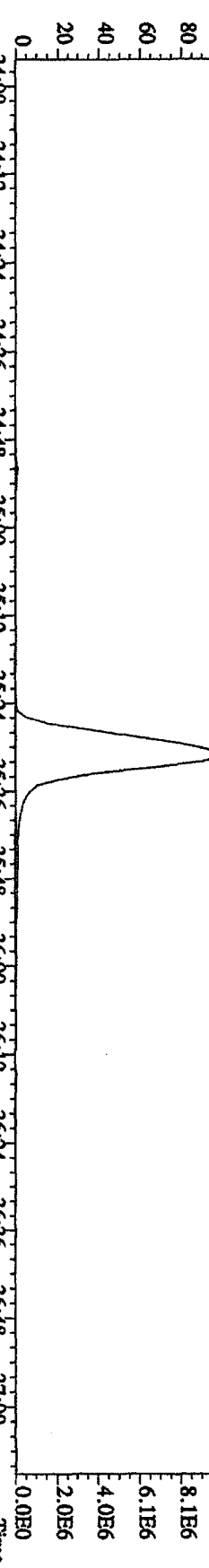


File:31DE09AIDS #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DDXN425 Exp:DIOXIN
 407.7818 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,11764.0,1.00%,F,T)
 100 % A7.94E7

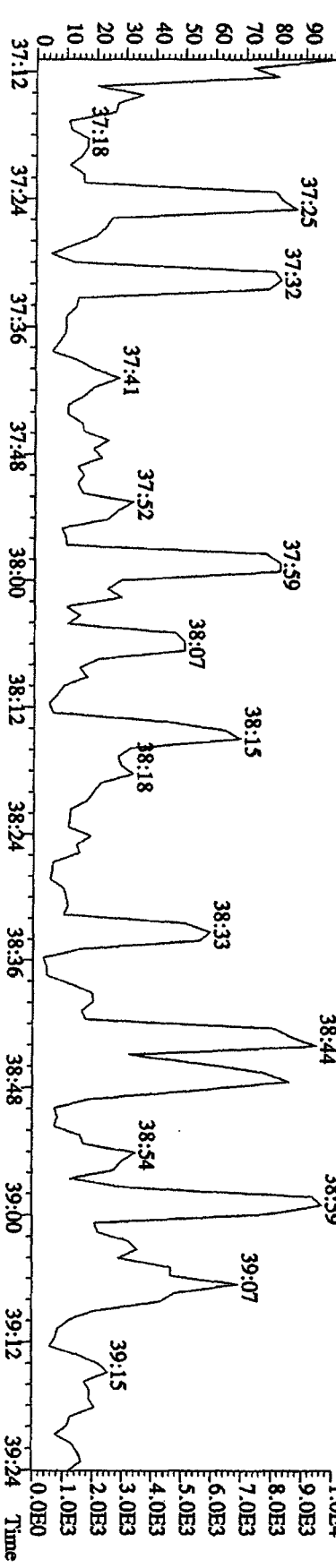
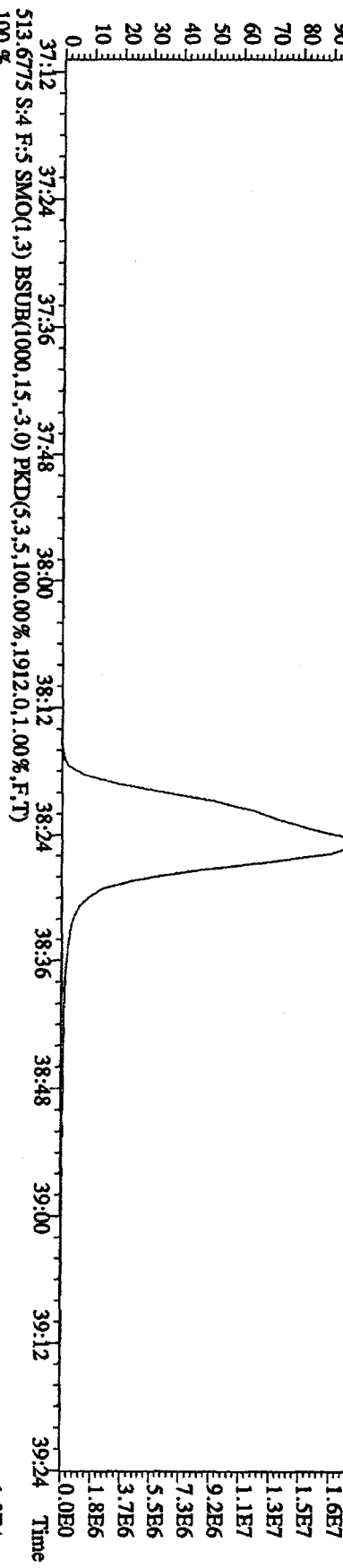
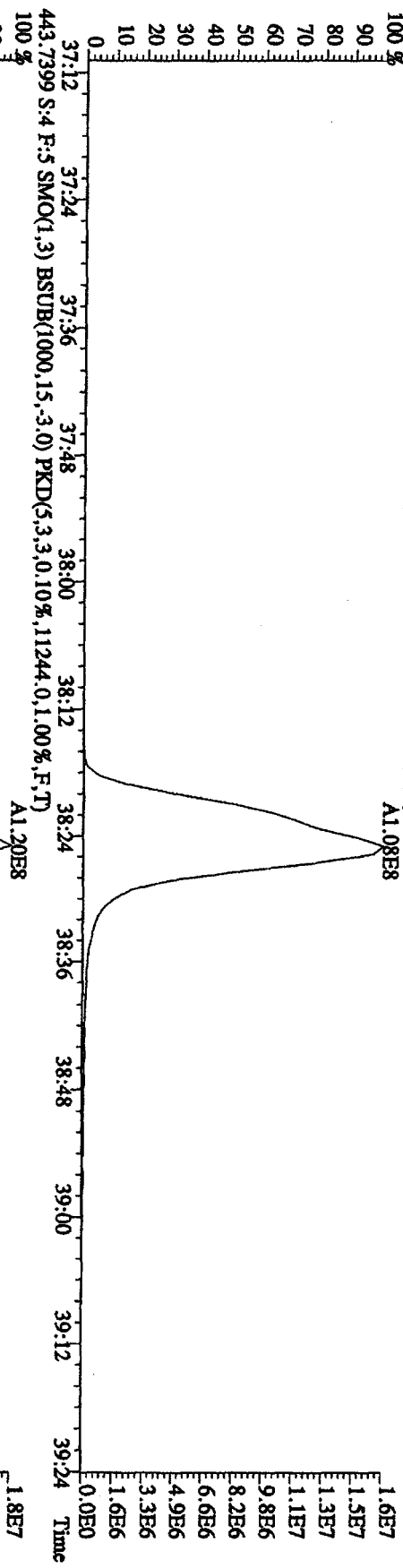


File: 31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

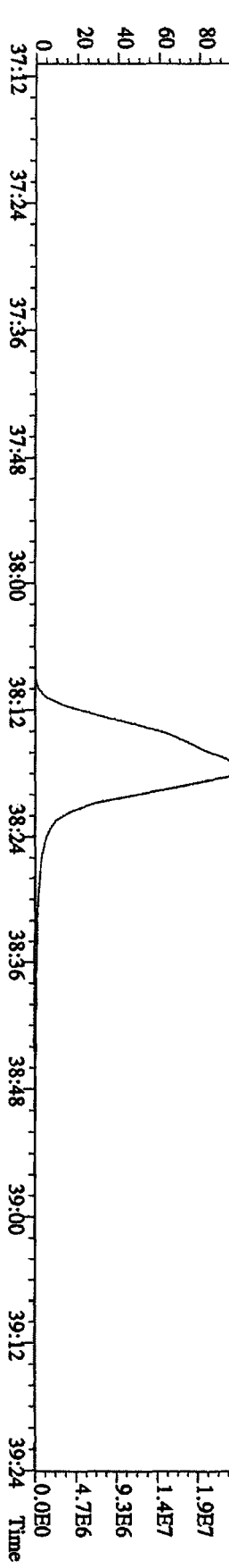
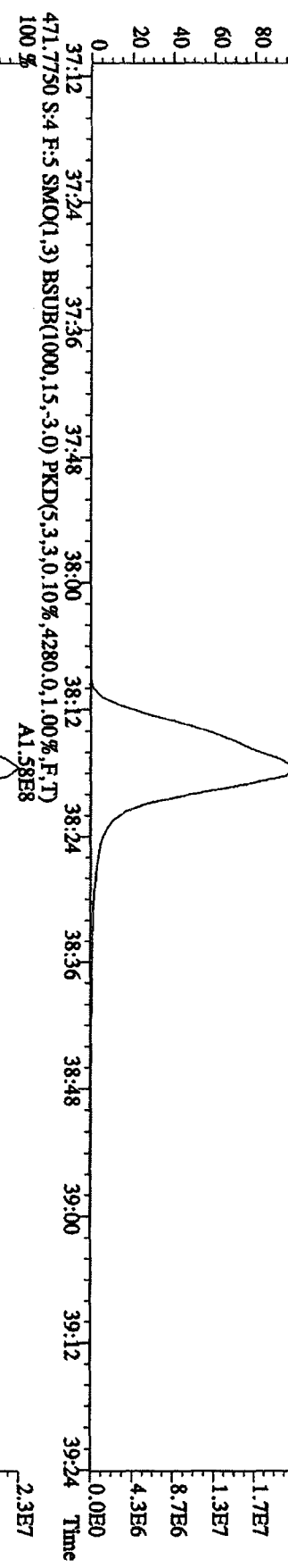
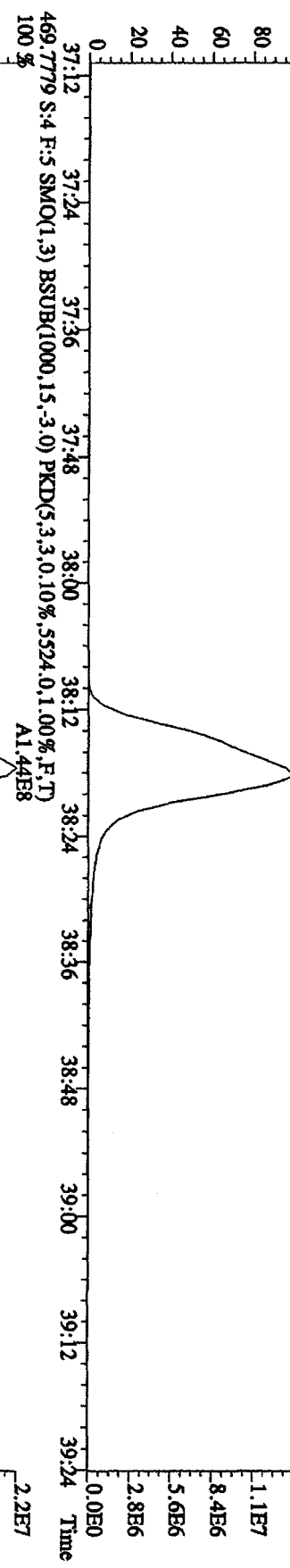
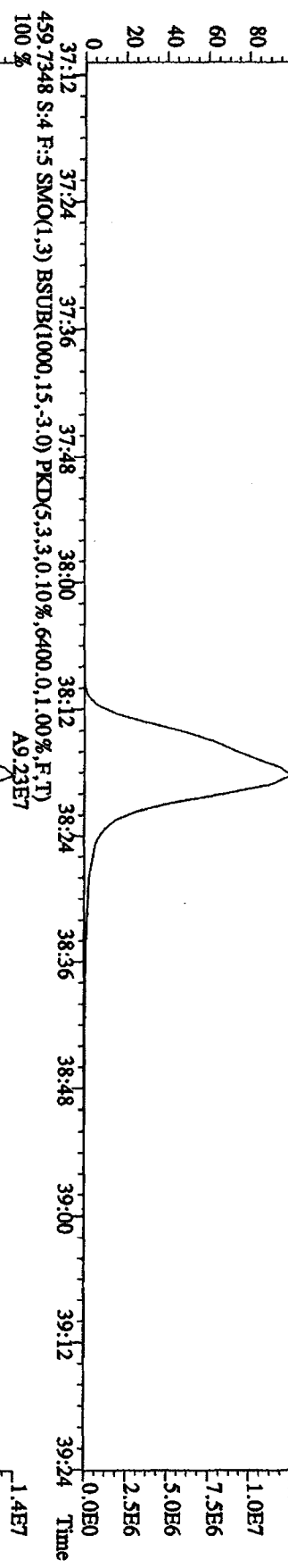
Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN



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)

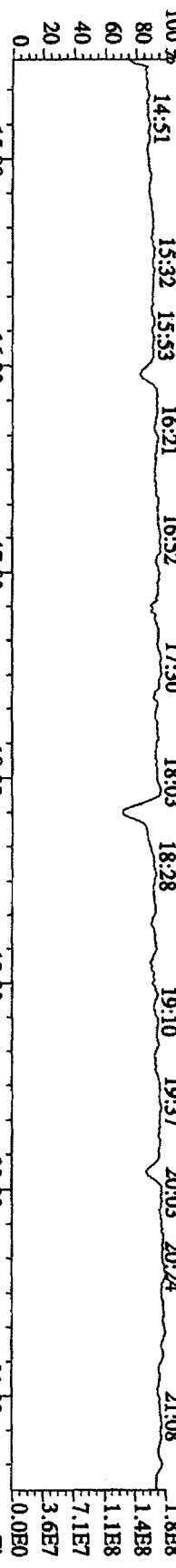


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,18944,0,1,100%,F,T)
 100 % A8.21E7

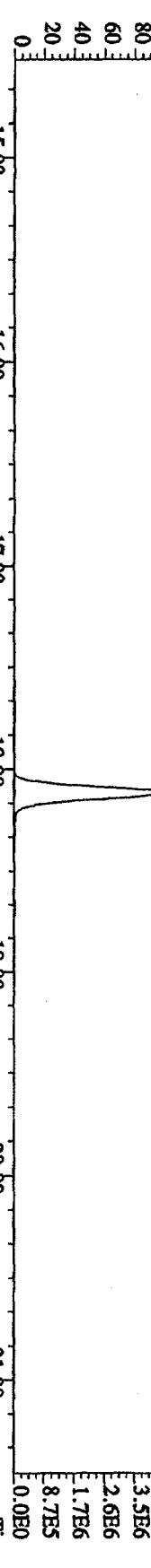


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

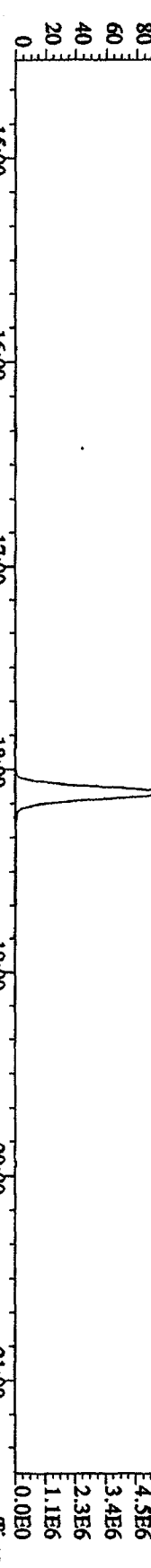
Sample#4 Text:ST1231D :CS-3-09DXN425 Exp:DIOXIN



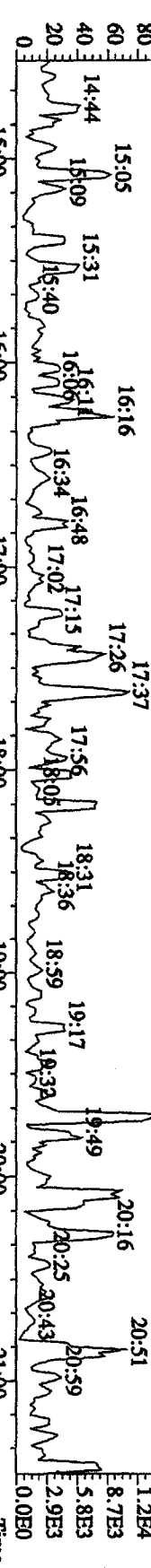
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00% 0.0,1.00% F,T)



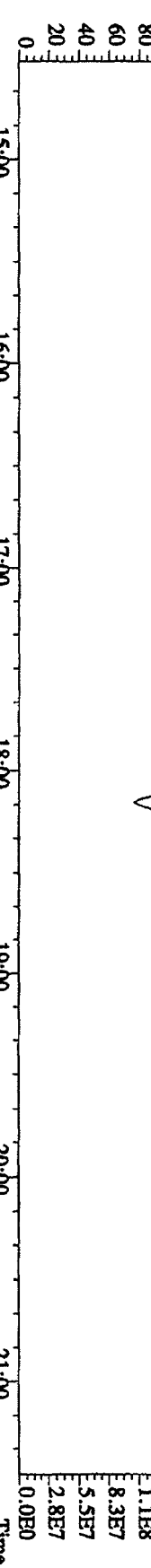
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3752.0,1.00% F,T)



305.8987 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7340.0,1.00% F,T)

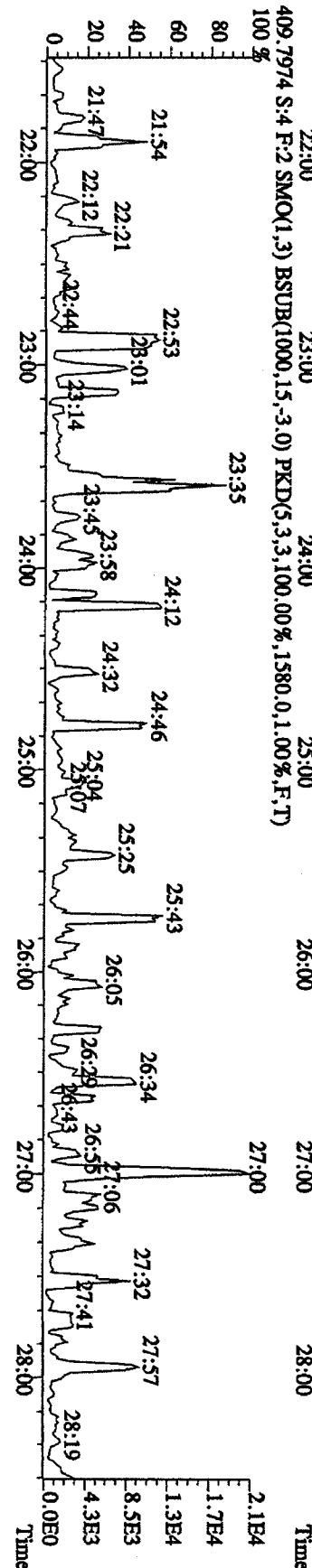
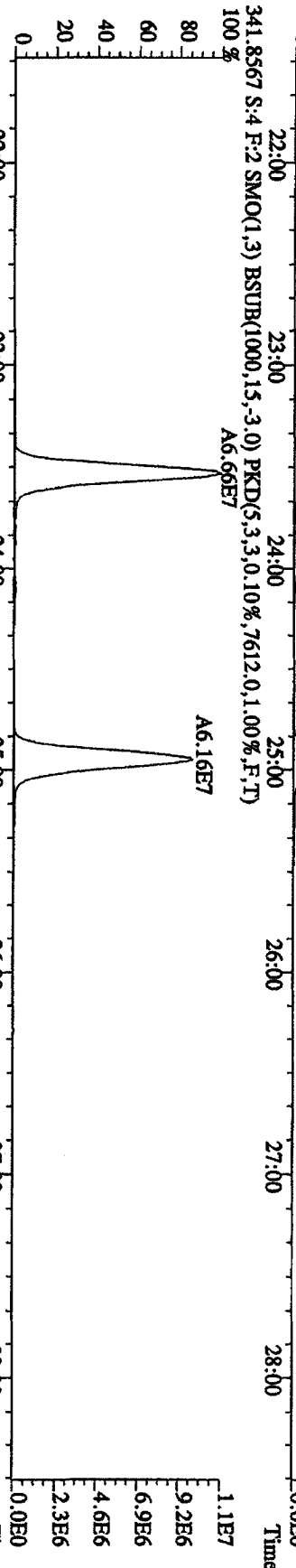
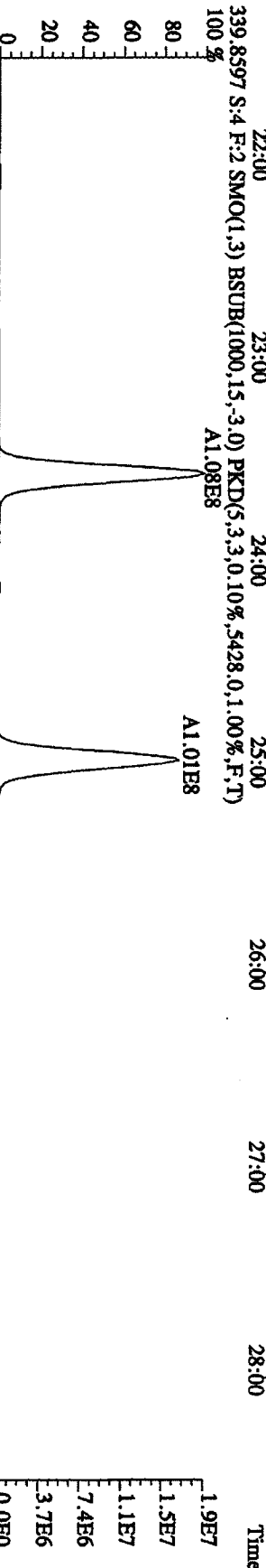
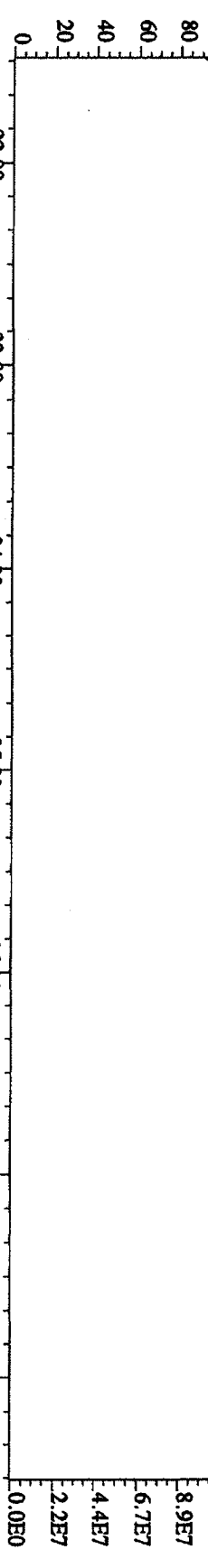


375.8364 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2692.0,1.00% F,T)

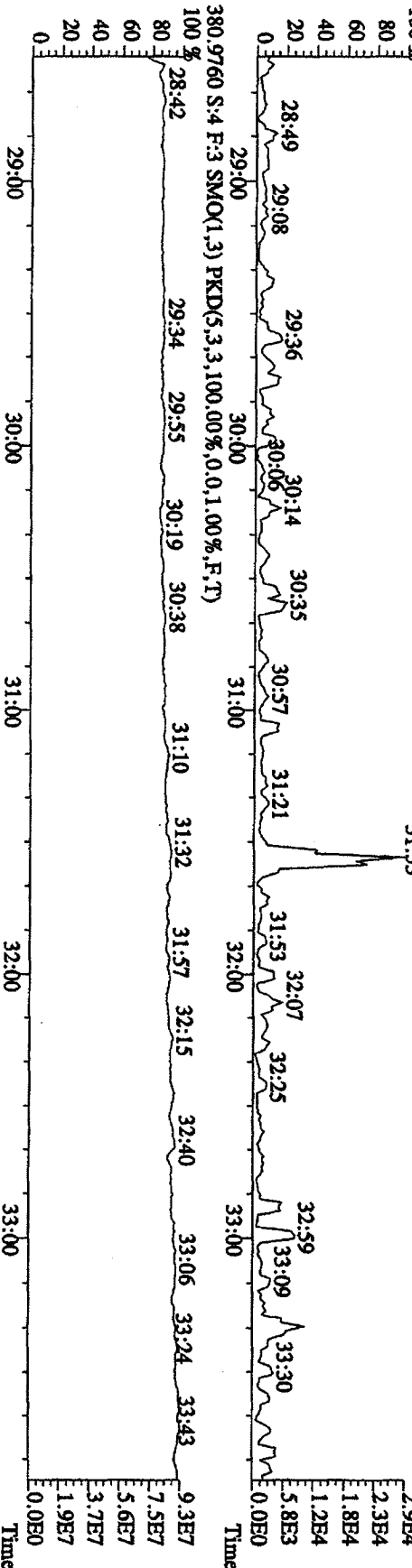
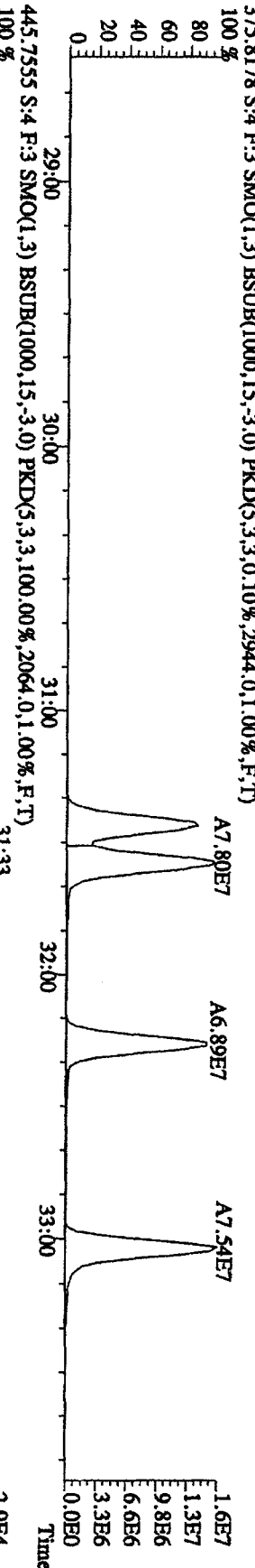
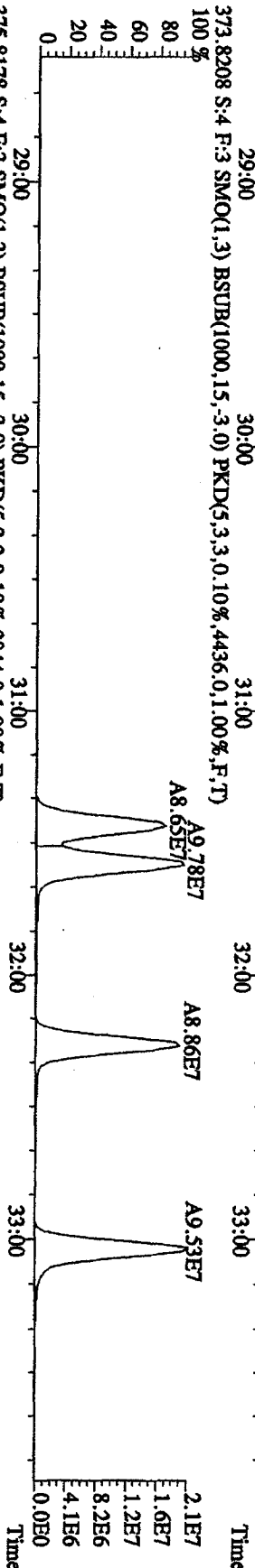
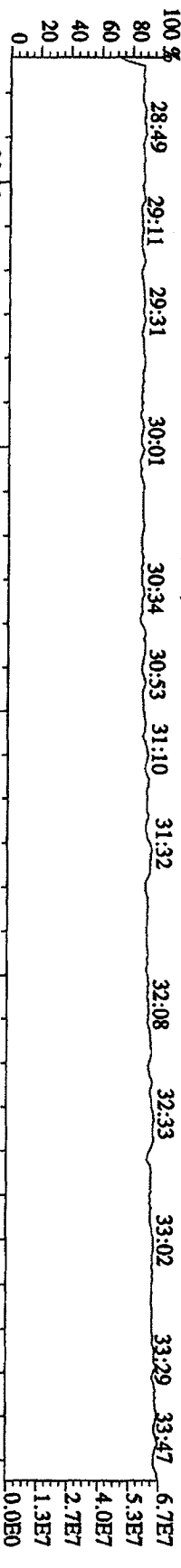


330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00% 0.0,1.00% F,T)

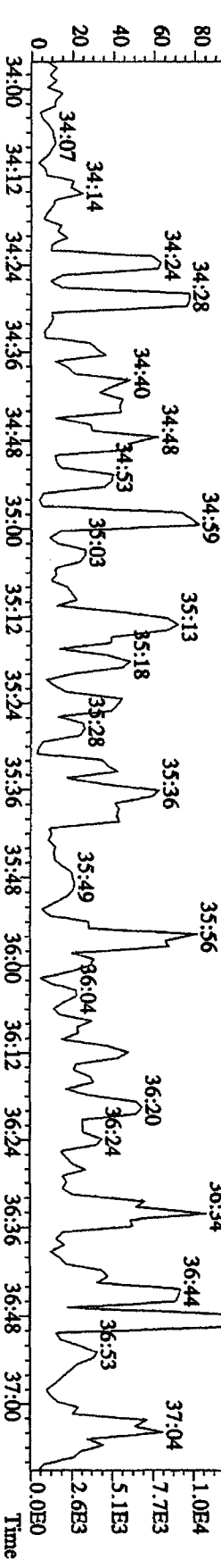
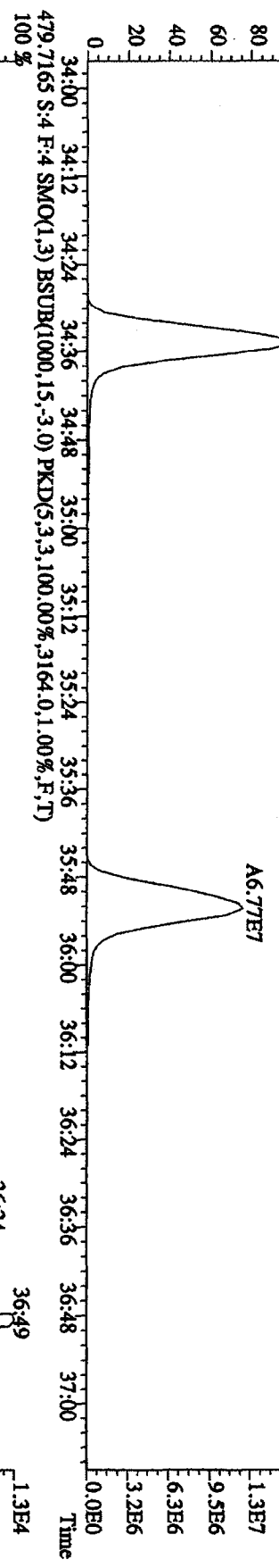
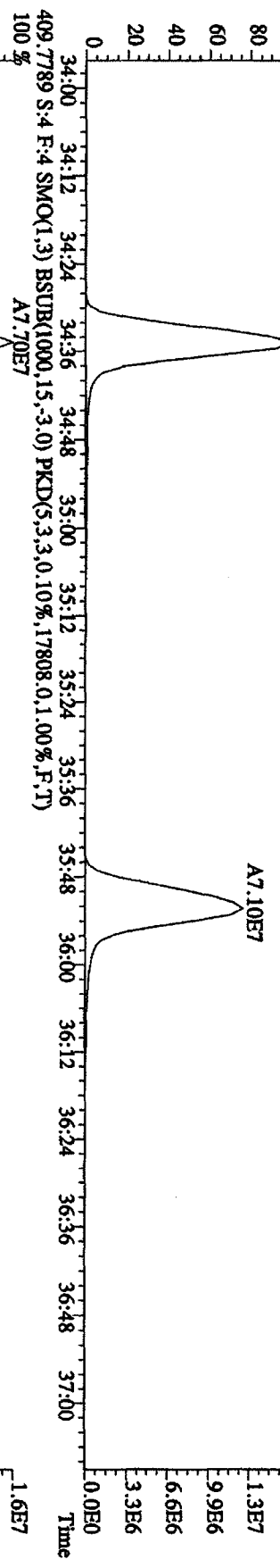
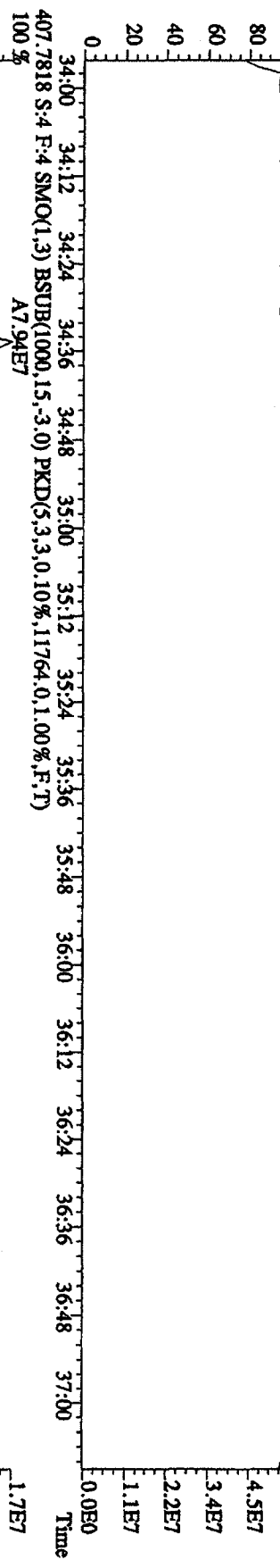
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 21:49 22:14 23:00 23:30 24:01 24:22 24:44 25:19 25:47 26:16 26:56 27:30 27:58



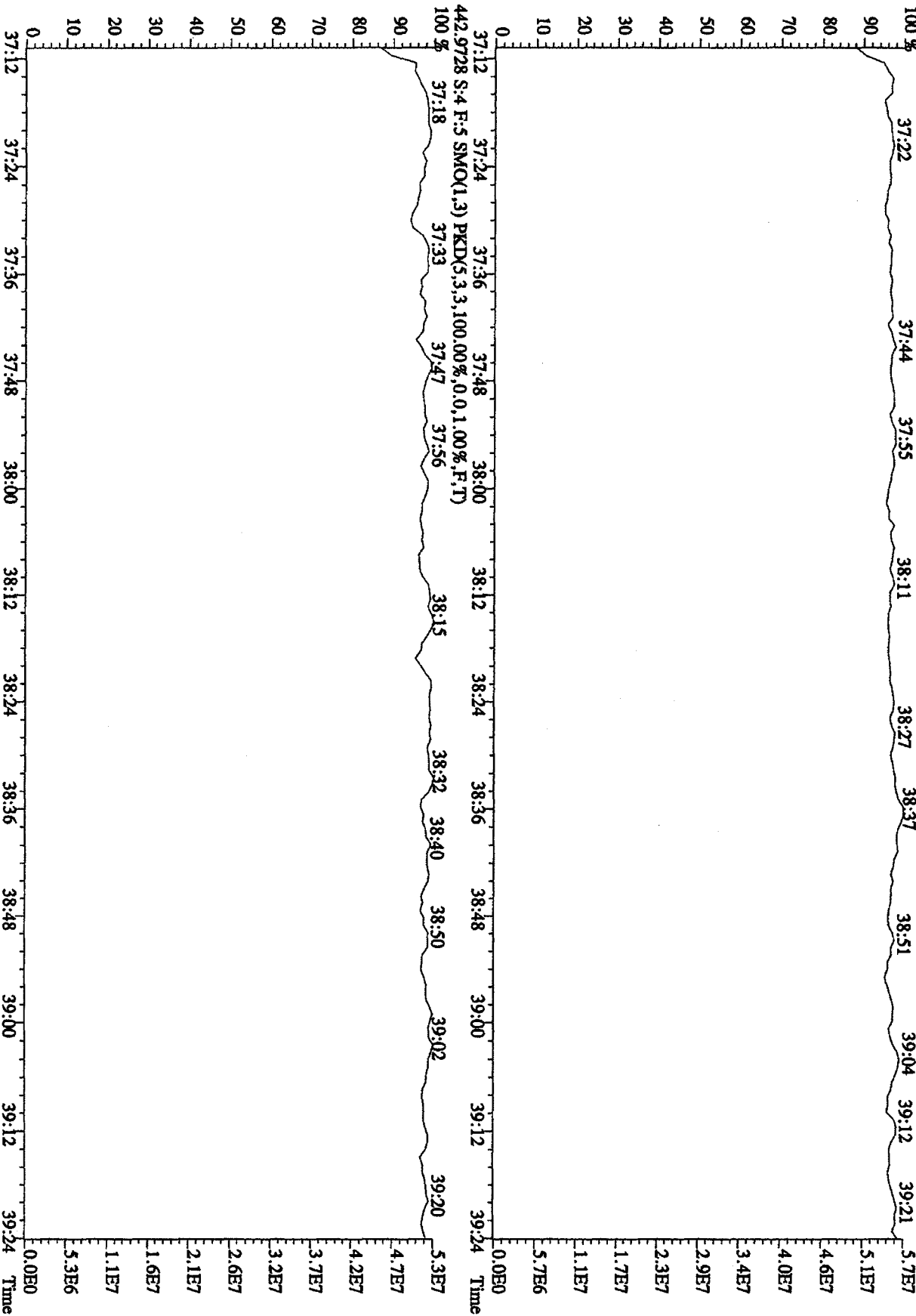
File: 31IDE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST1231D :CS-3 09DXN425 Exp.: DIOXIN



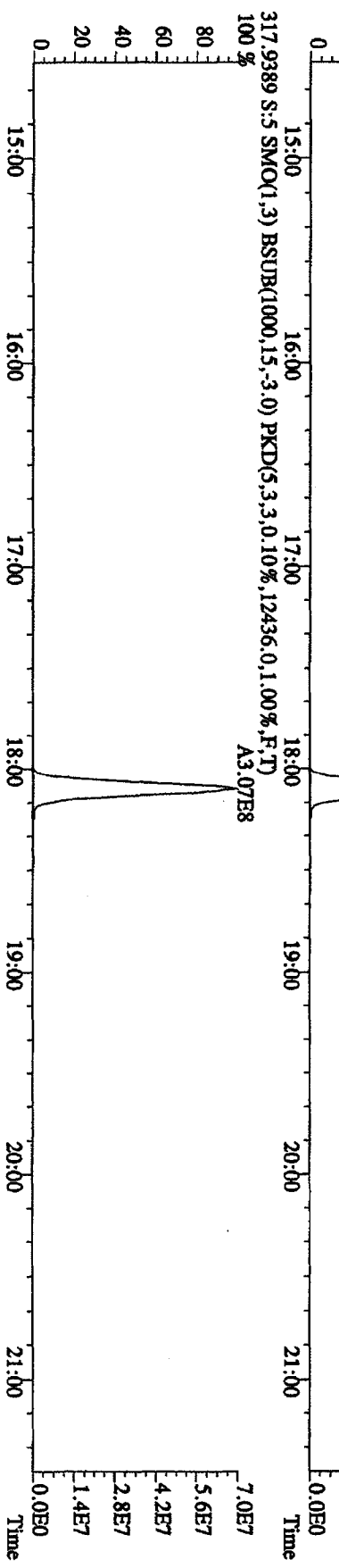
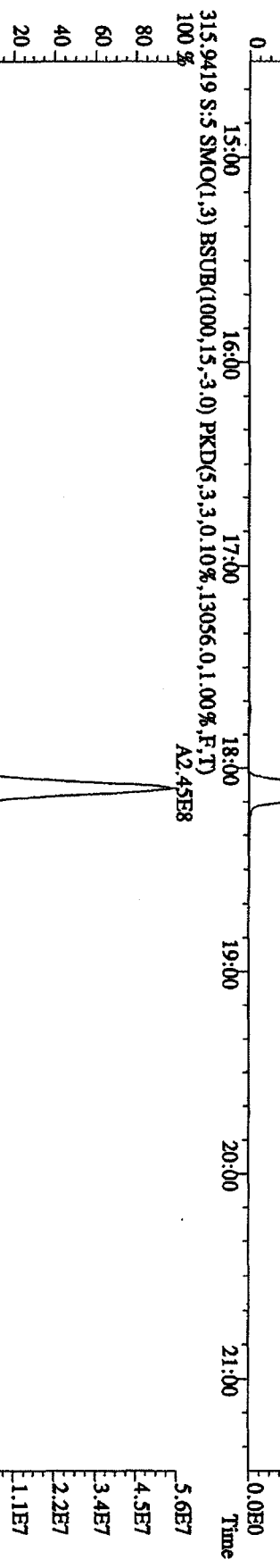
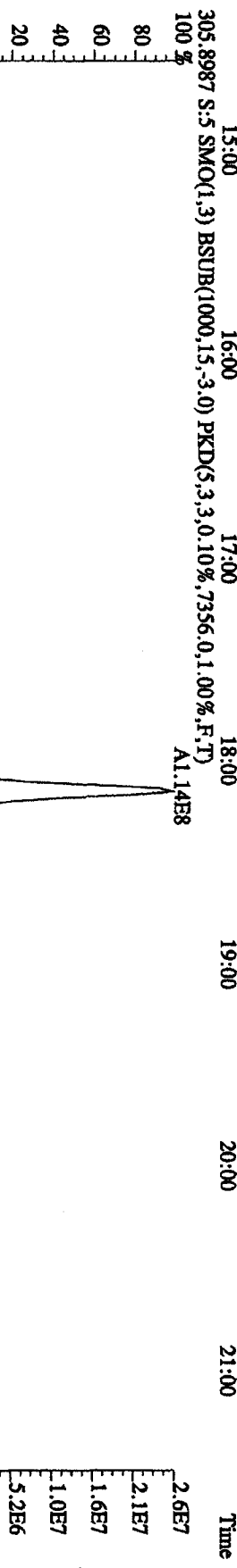
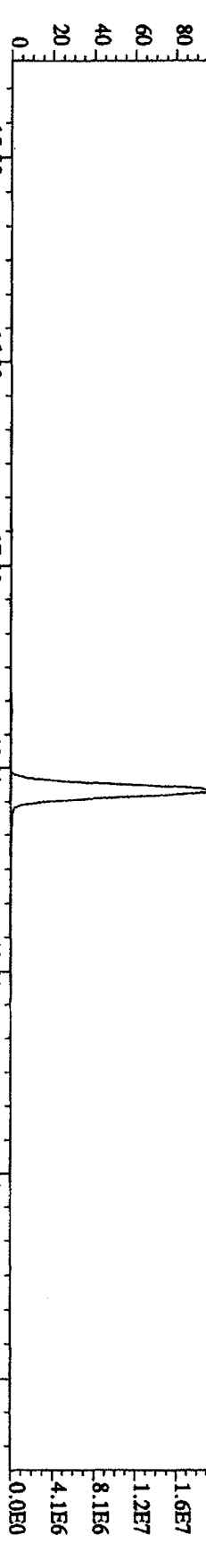
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 430.9728 S:4 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 100% 34:13 34:33 34:51 35:11 35:28 35:43 36:00 36:10 36:32 37:01



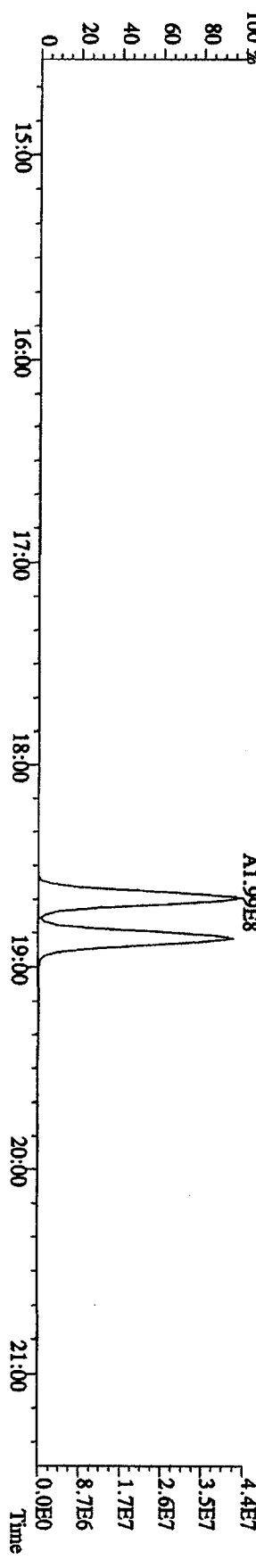
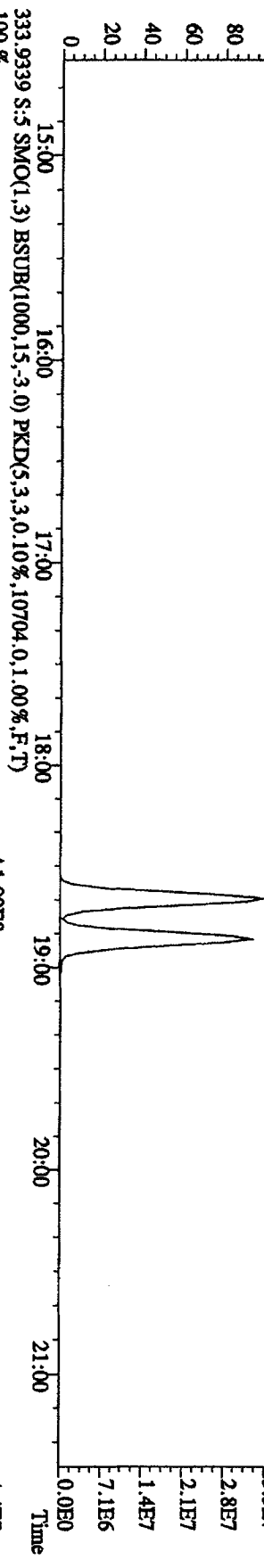
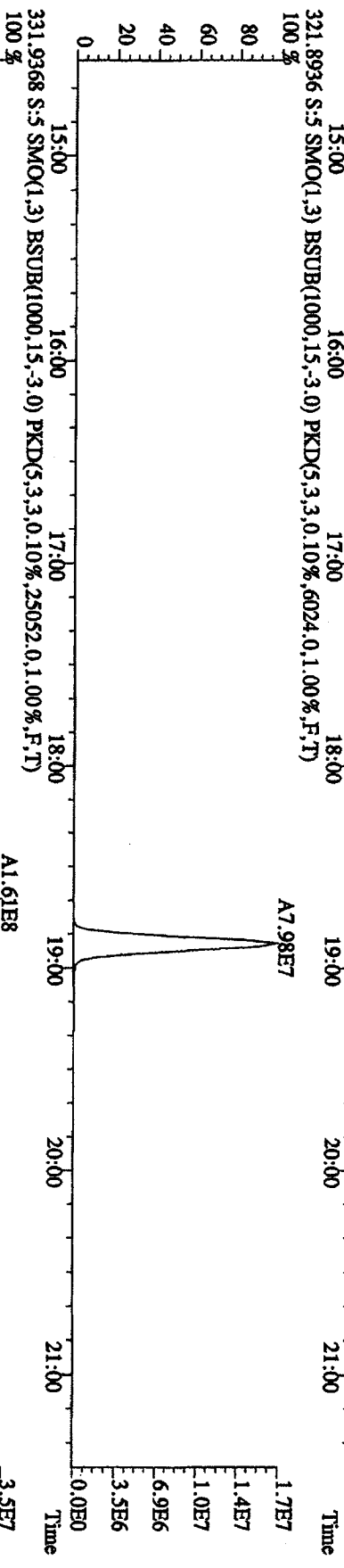
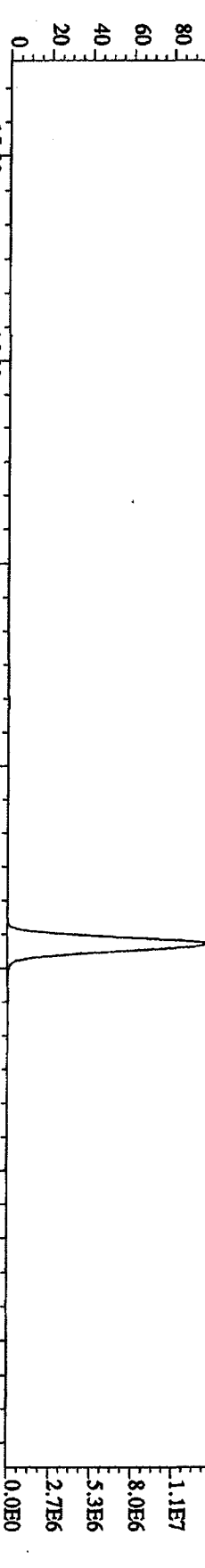
File:31DB09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



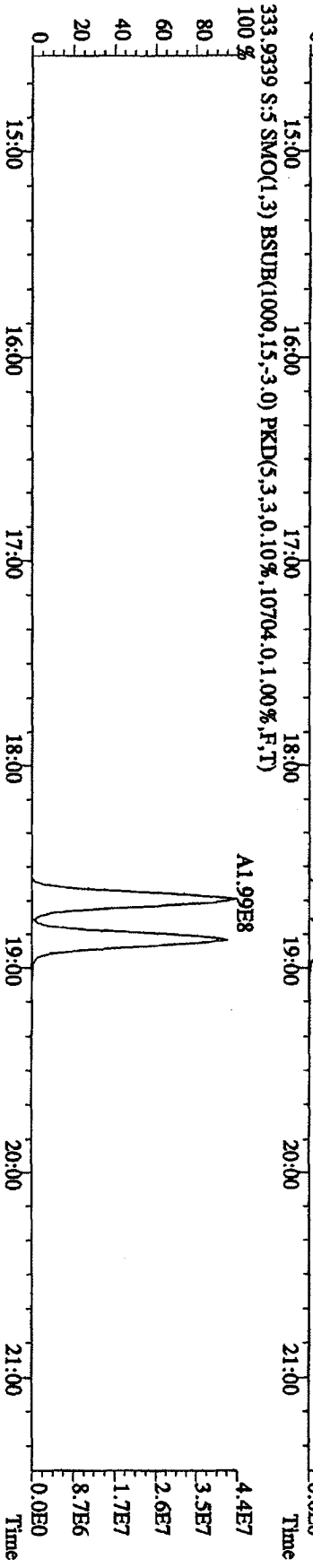
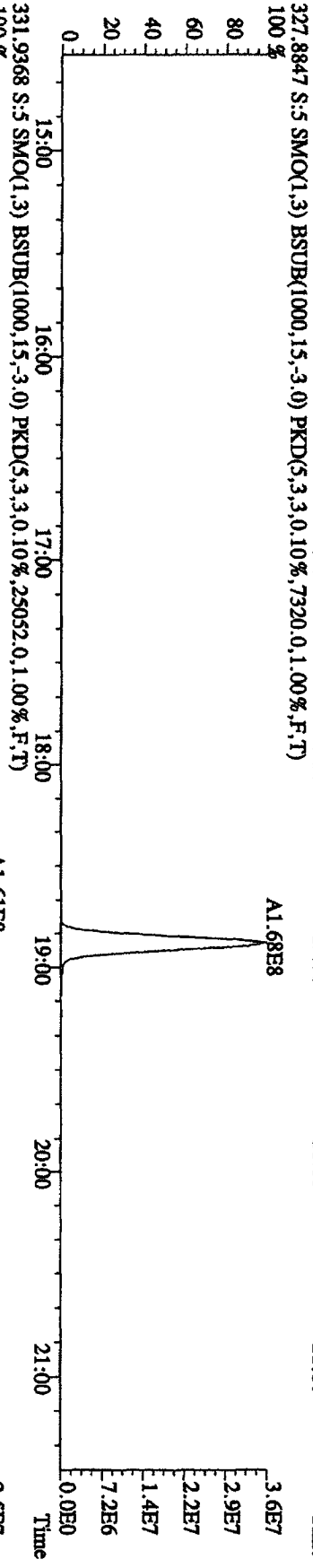
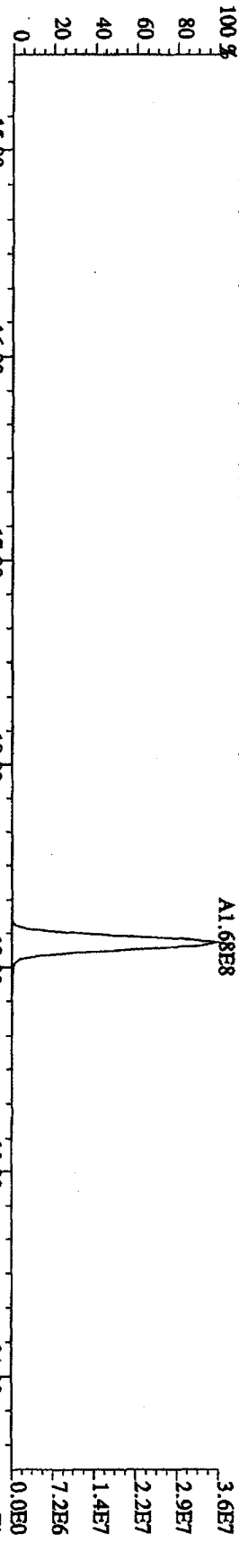
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)
 100 %



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
 319,8965 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4916,0,1.00%,F,T)

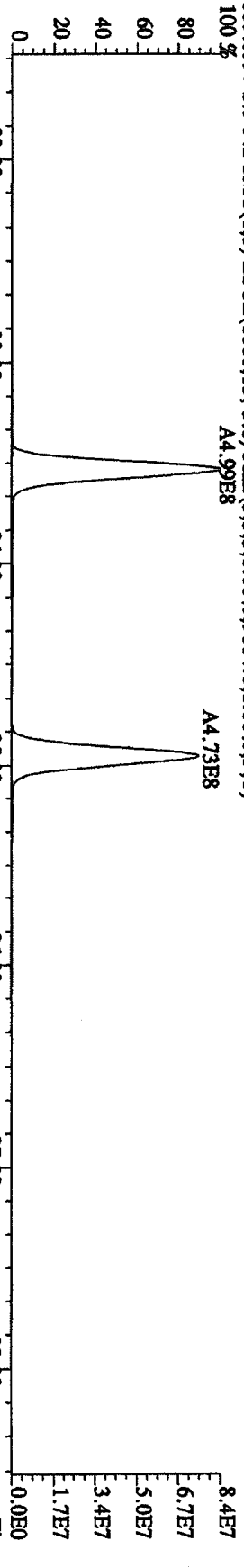


File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7320,0.1,00%,F,T)
 100 %

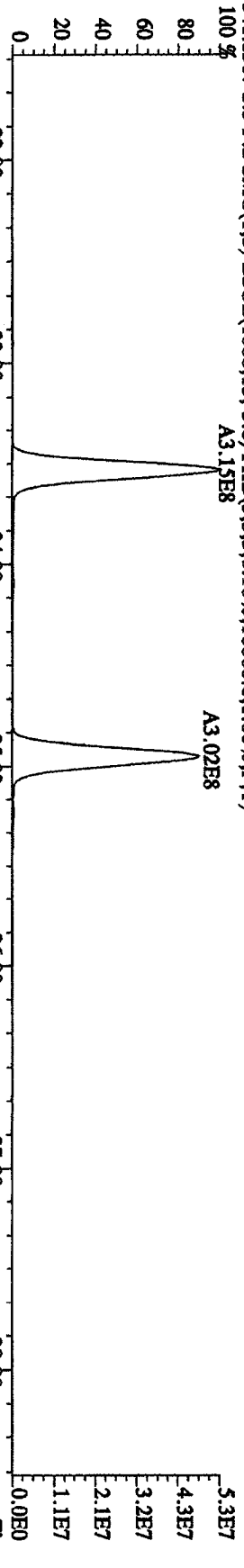


File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Term:ST1231E :CS-4 09DDXN426 Exp:DIOXIN

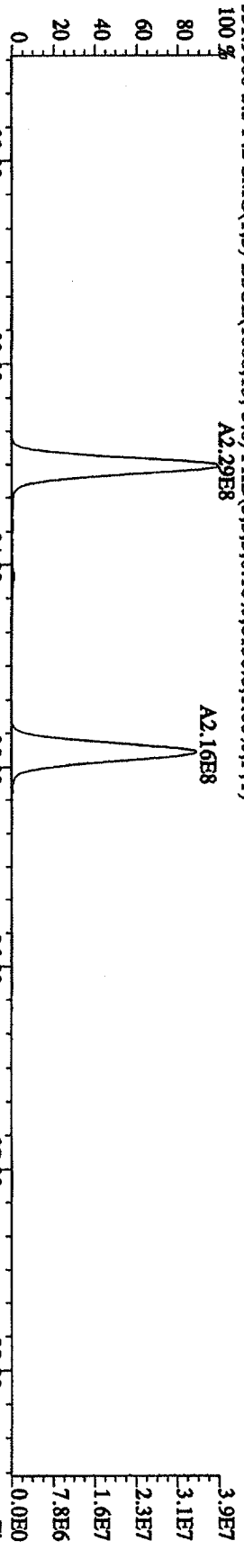
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9004,0.1,00%,F,T)
100 %



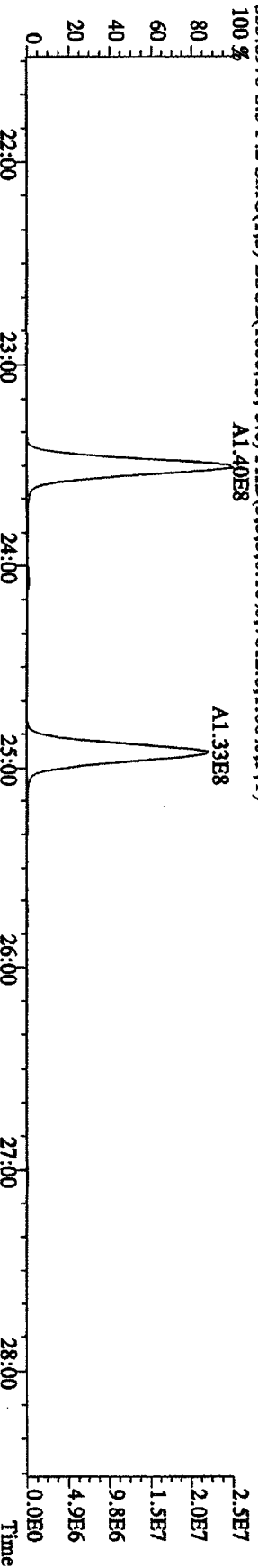
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10060,0.1,00%,F,T)
100 %



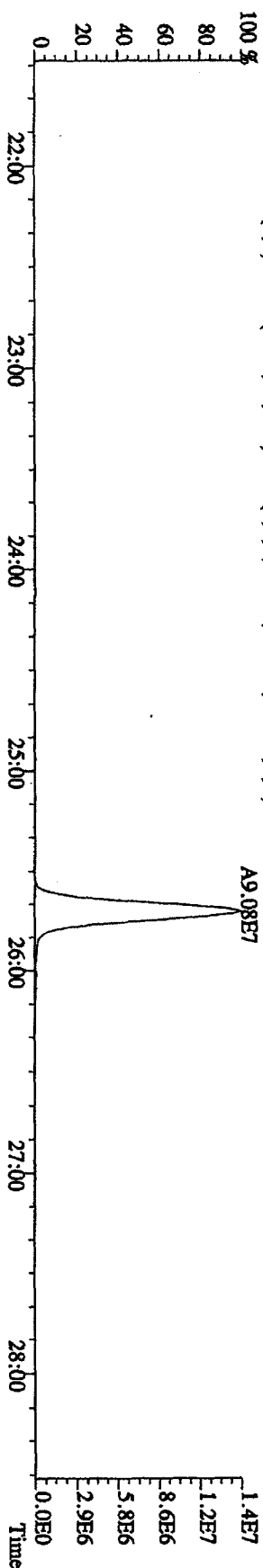
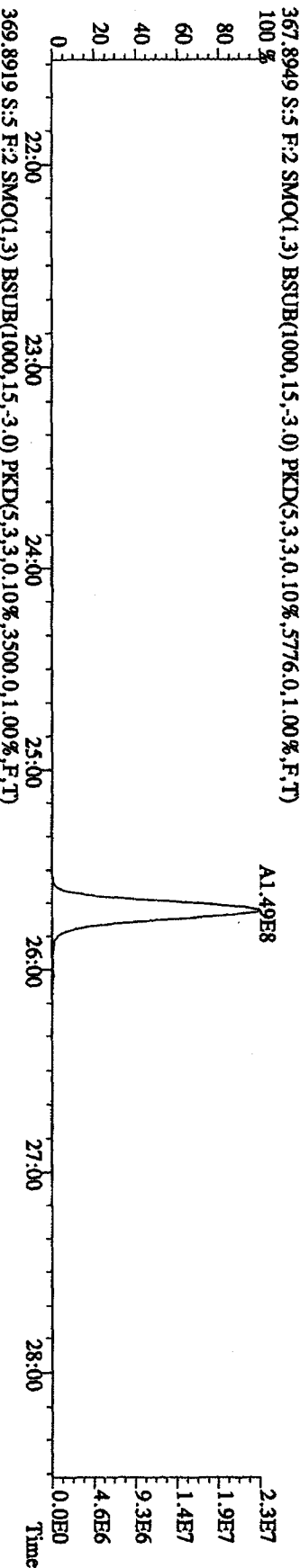
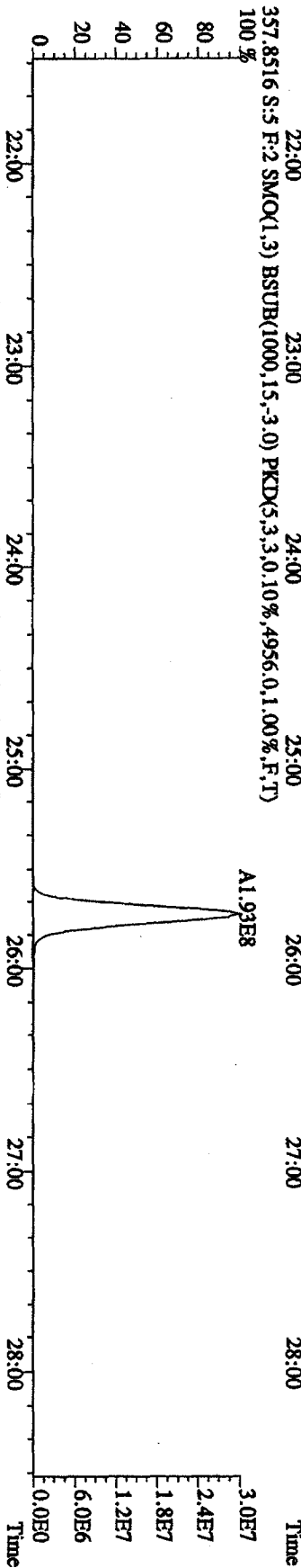
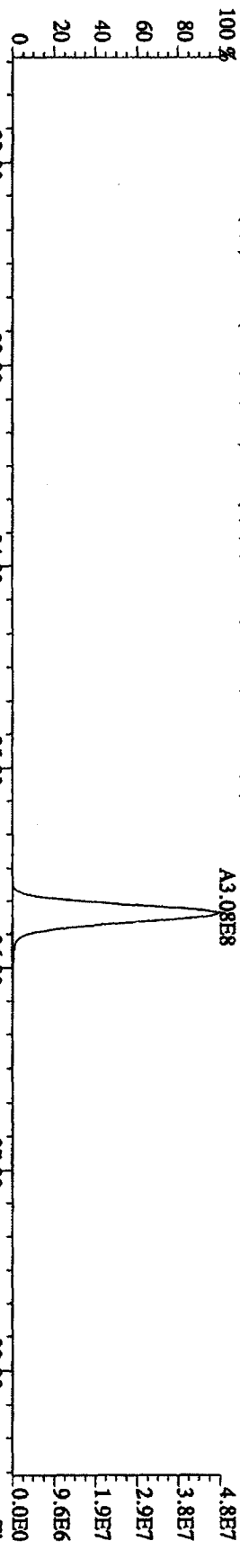
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8136,0.1,00%,F,T)
100 %



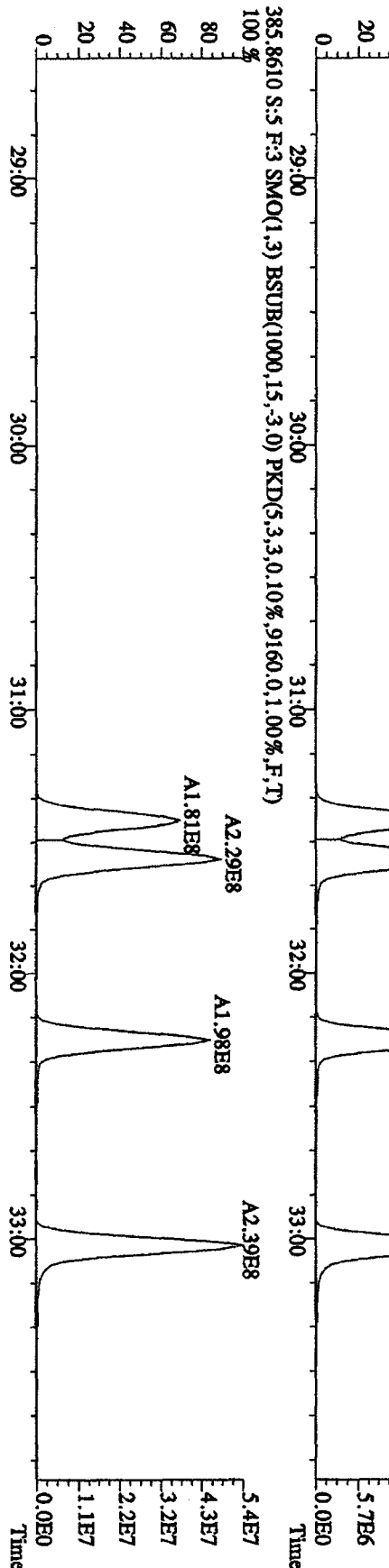
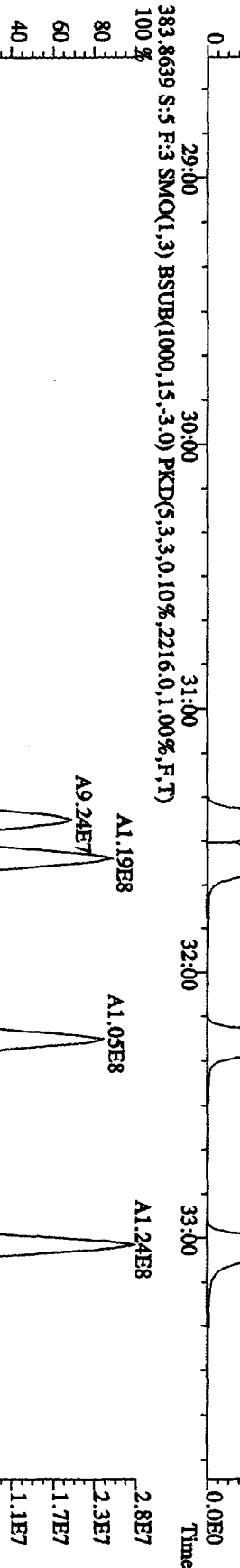
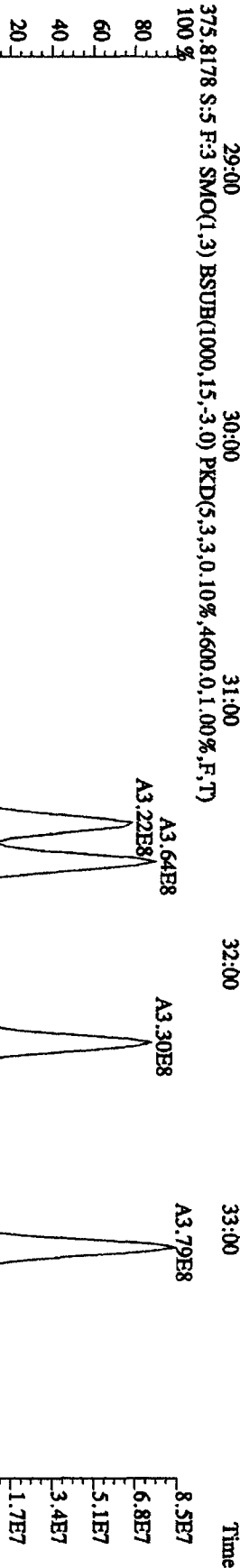
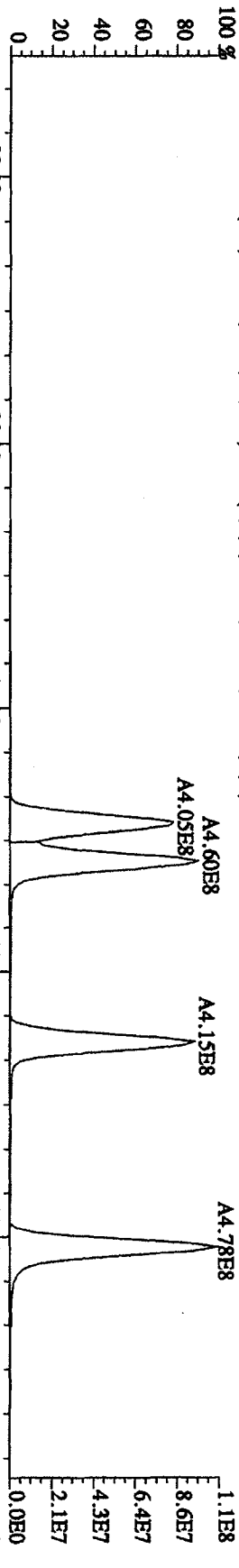
353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7612,0.1,00%,F,T)
100 %



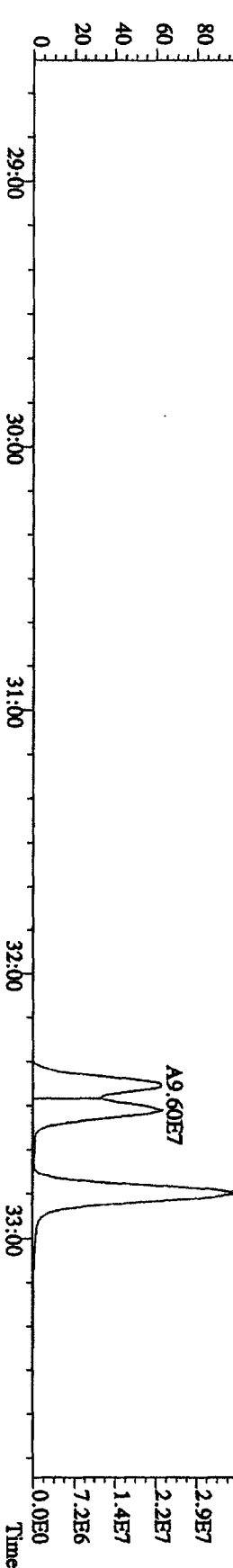
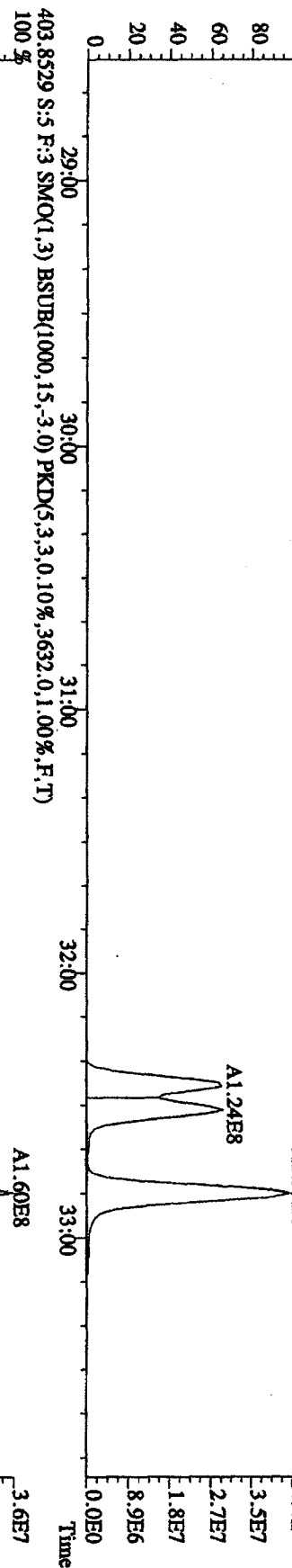
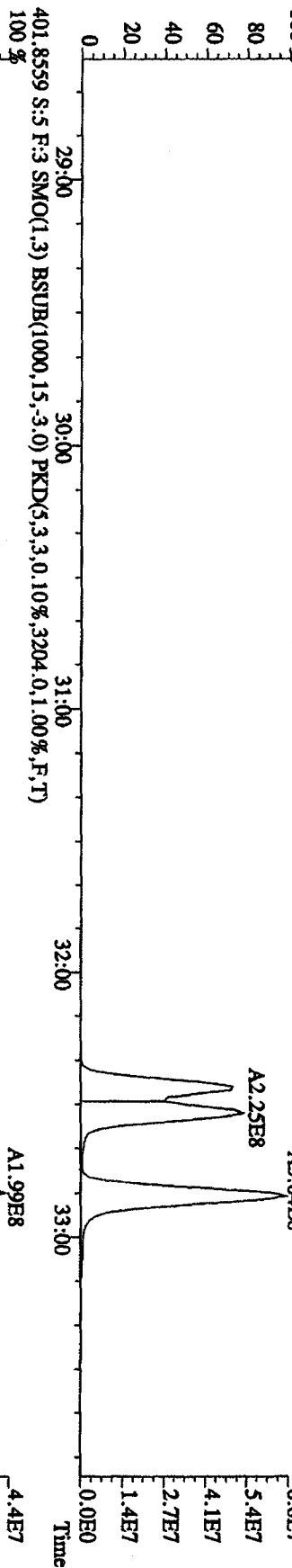
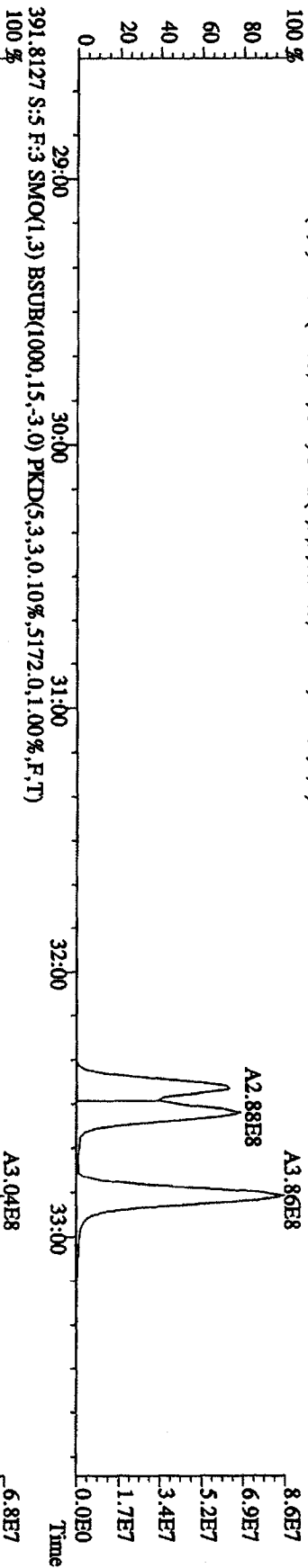
File: 31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN
 355.8546 S:5 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6848,0,1,00%,F,T)
 100%



File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Tent:ST1231E :CS-4 09DXM426 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)
 100 %

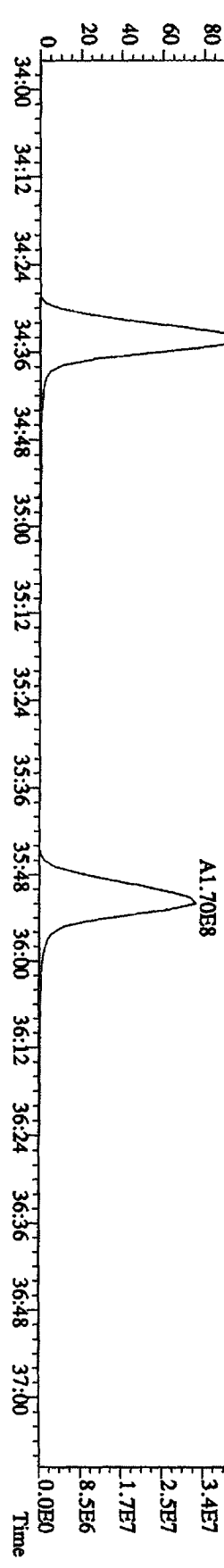
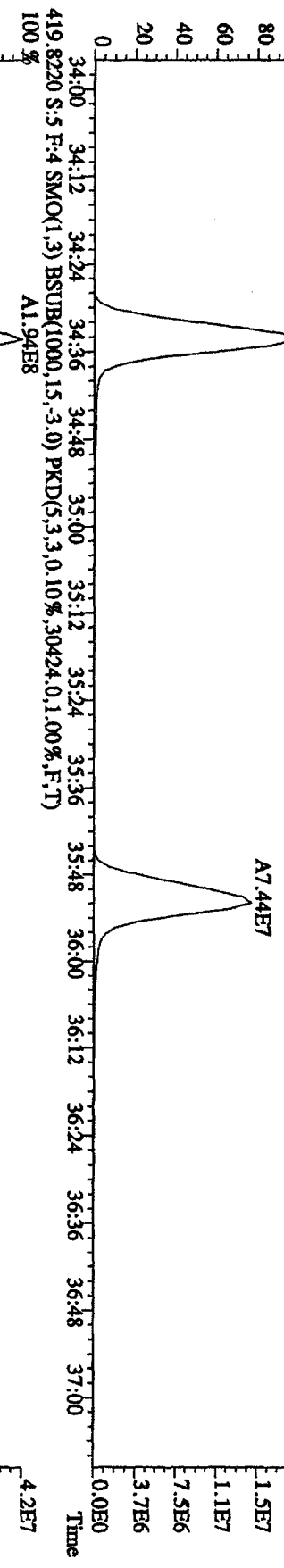
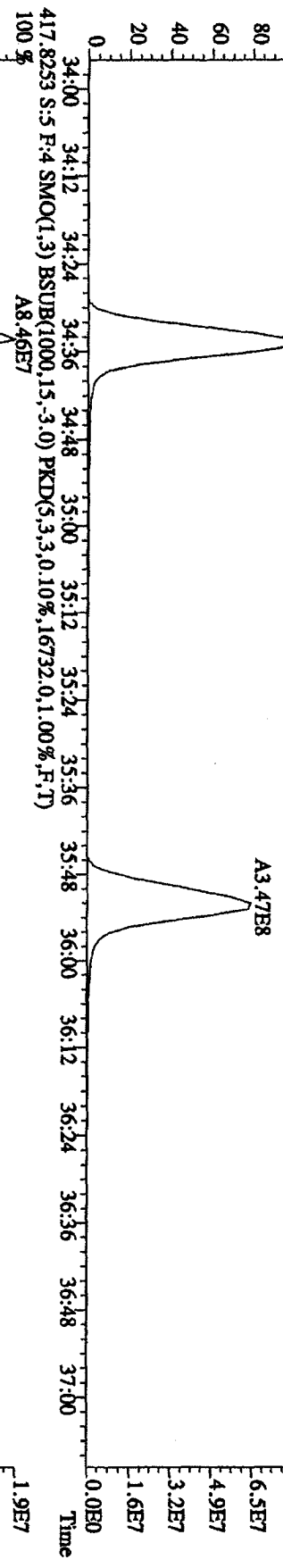
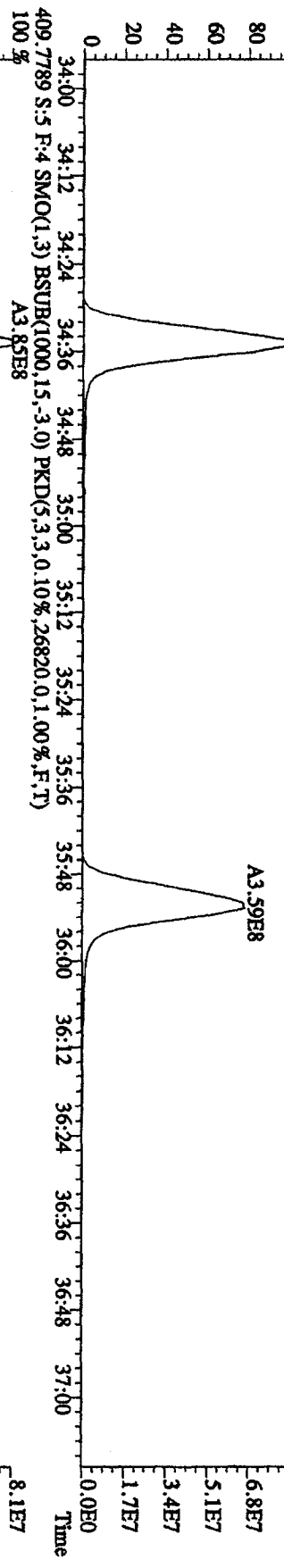


File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3028,0,1,00%,F,T)

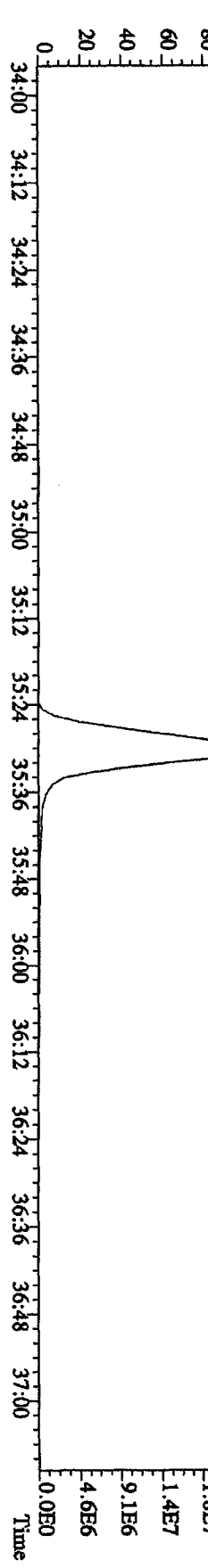
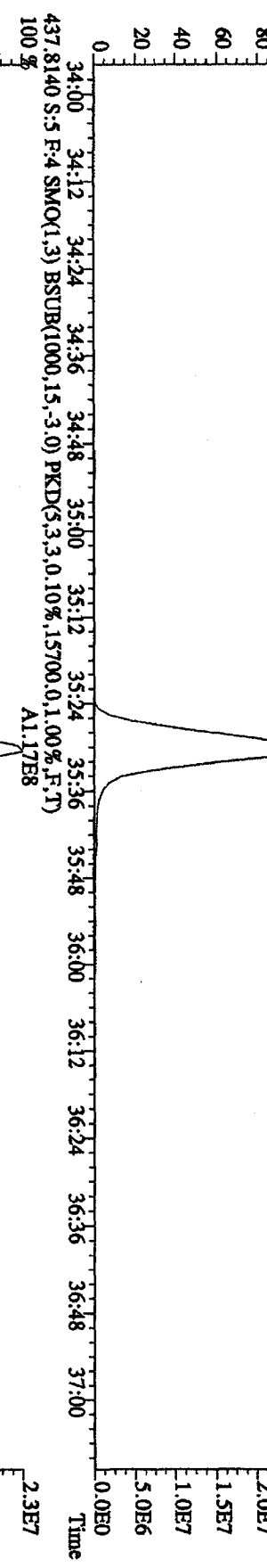
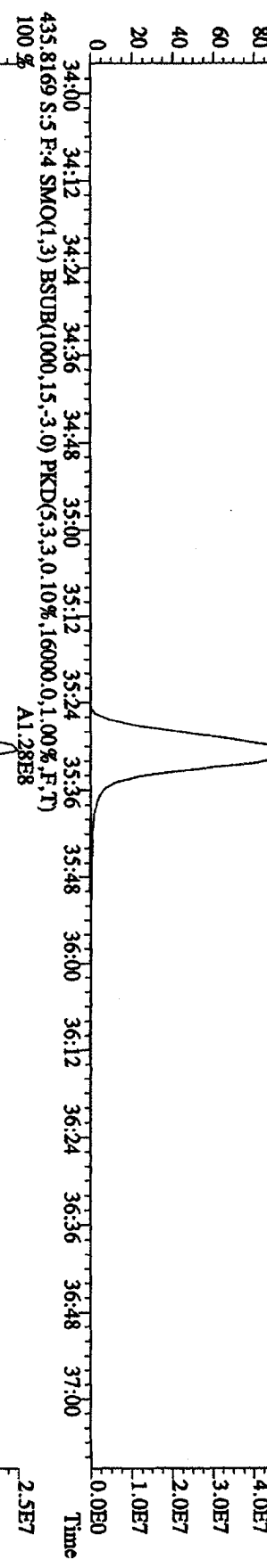
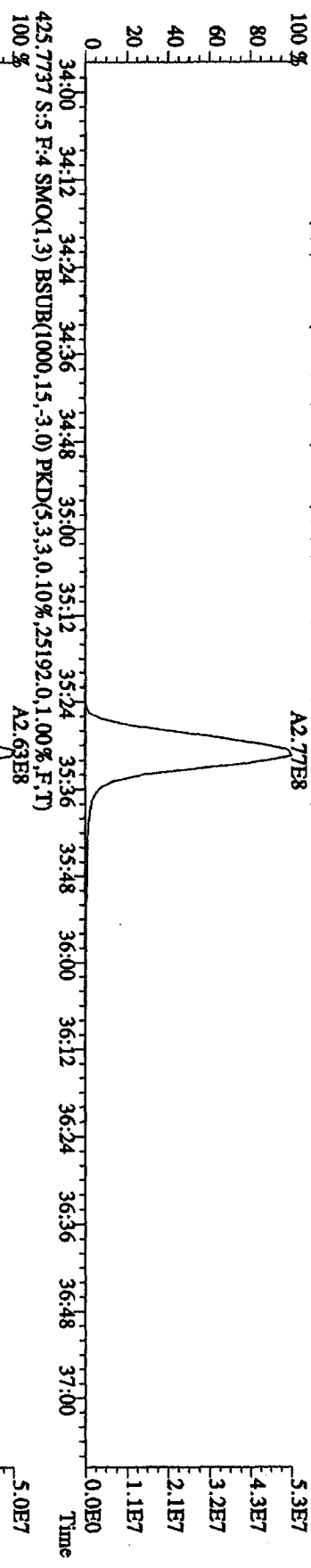


File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

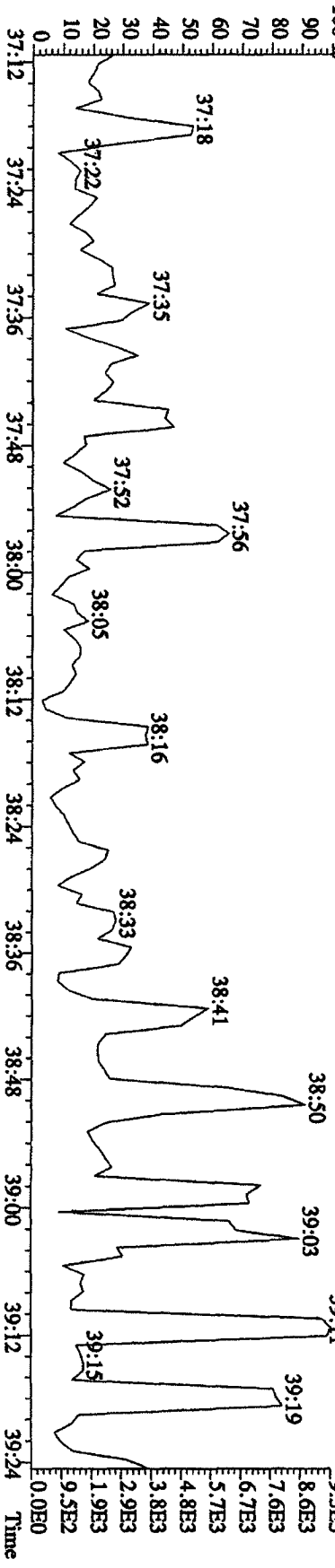
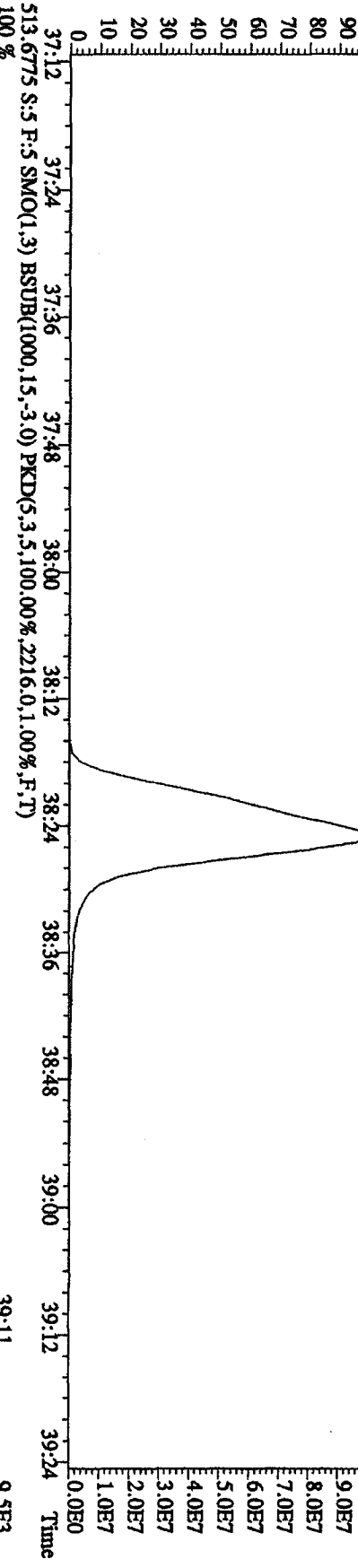
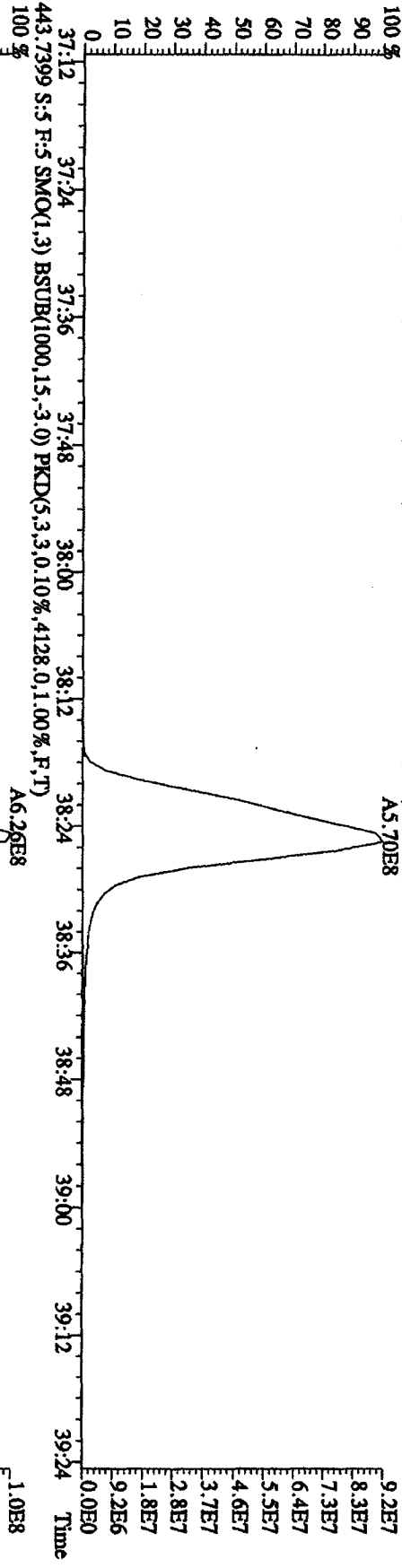
Sample#5 Text:ST1231E :CS-4 09DDXN426 Exp:DIOXIN



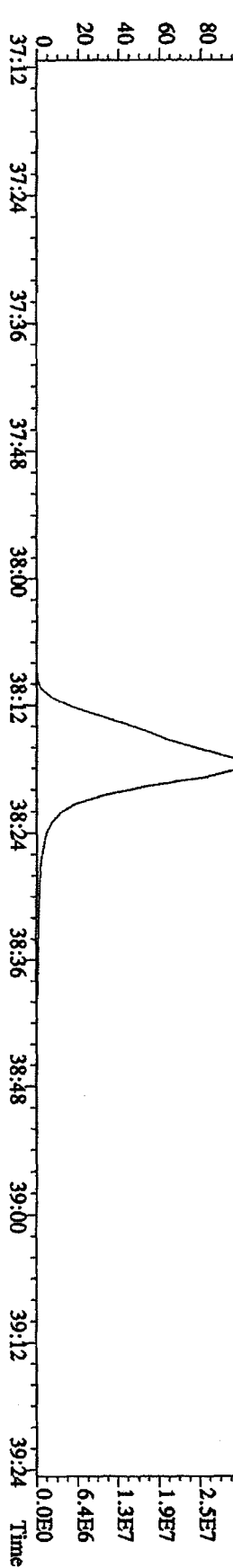
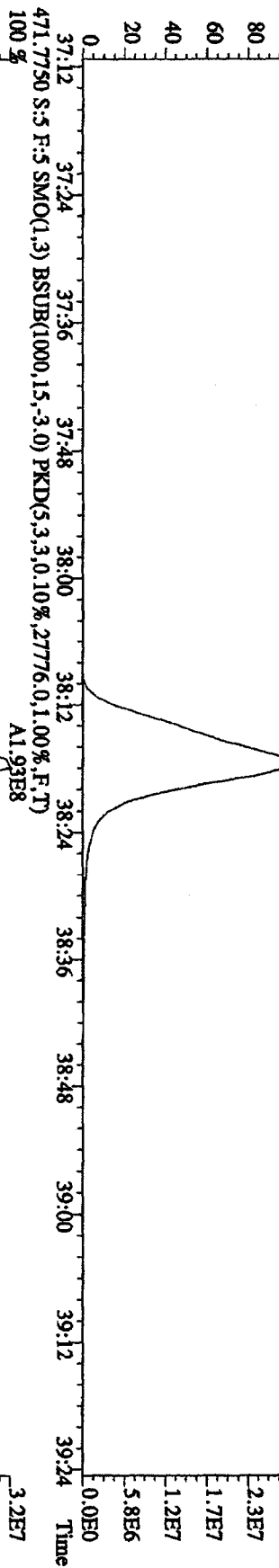
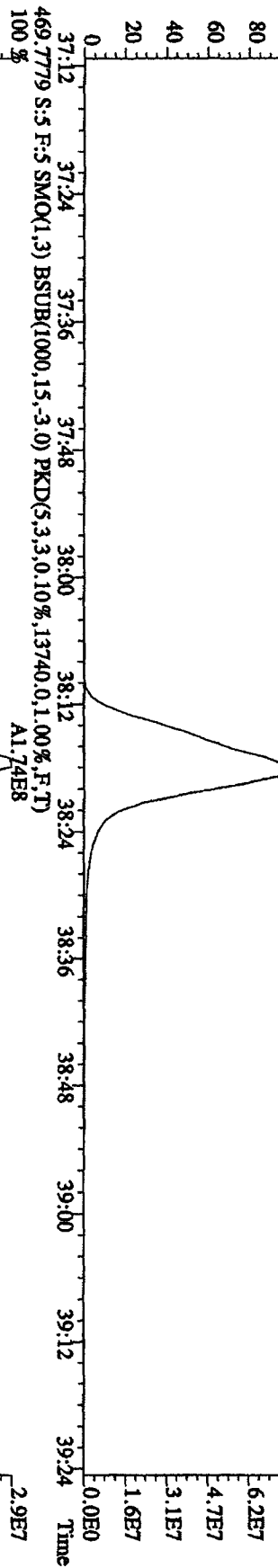
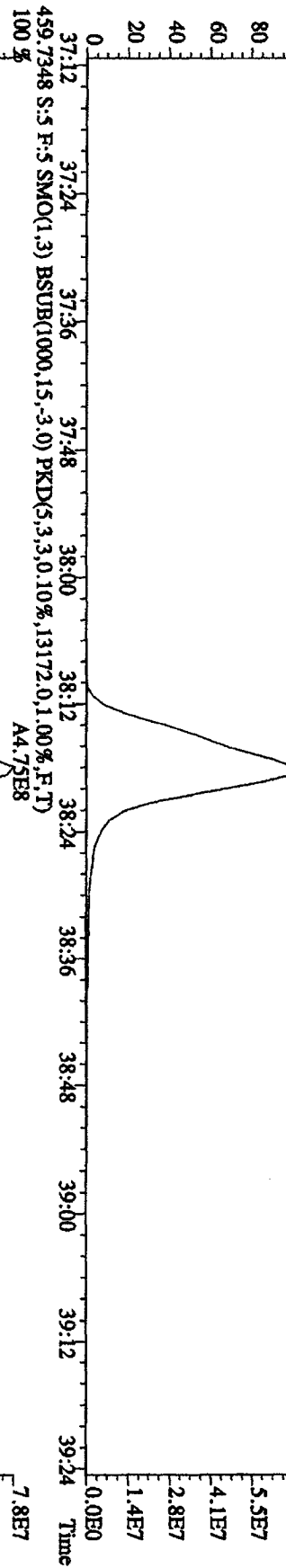
File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1231E :CS-4 09DXM426 Exp: DIOXIN
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,22832,0,1,00%,F,T)
 100 %



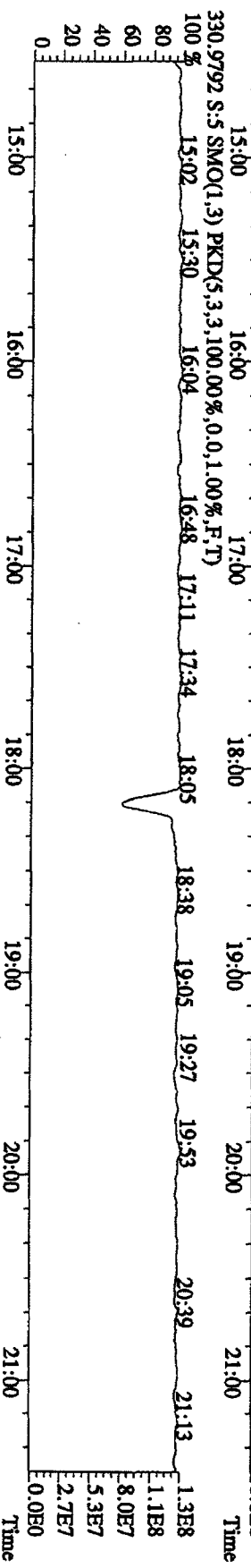
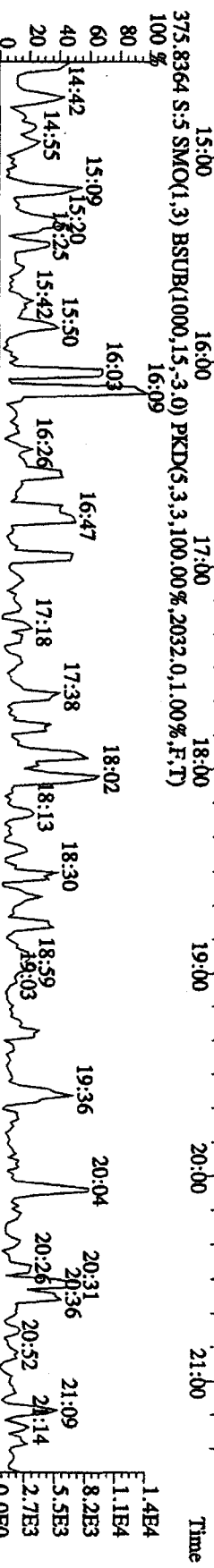
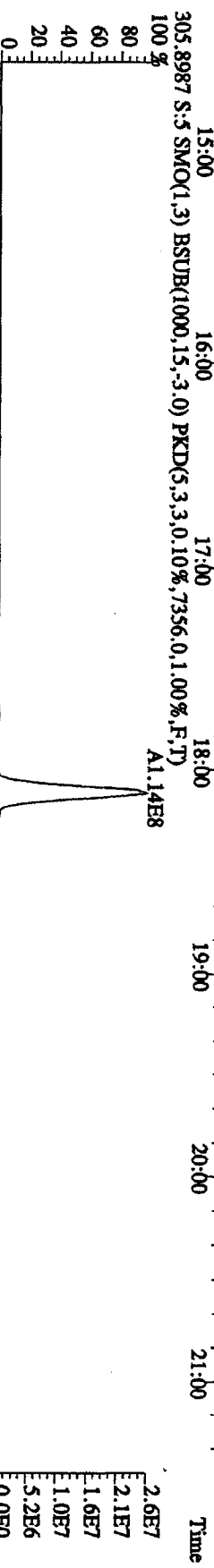
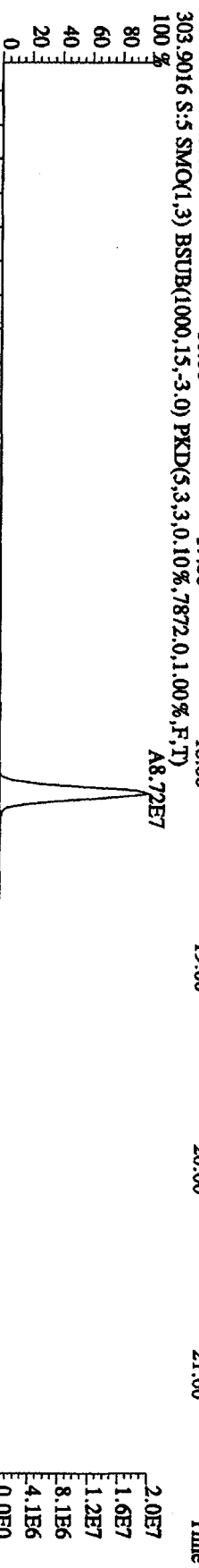
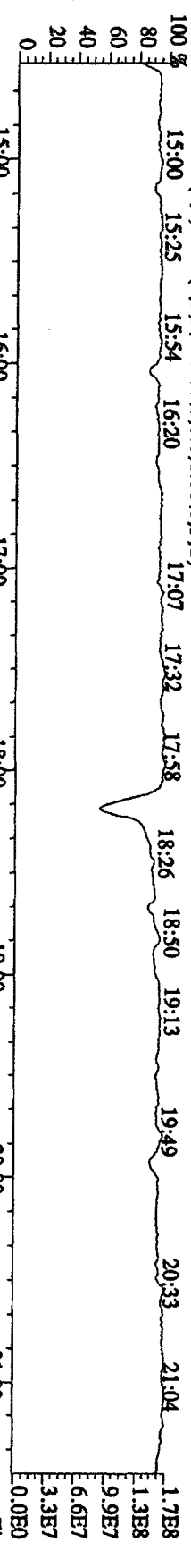
File: 31DE09AID5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SFR 70SE
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,32256,0,1,00%,F,T)
 100%



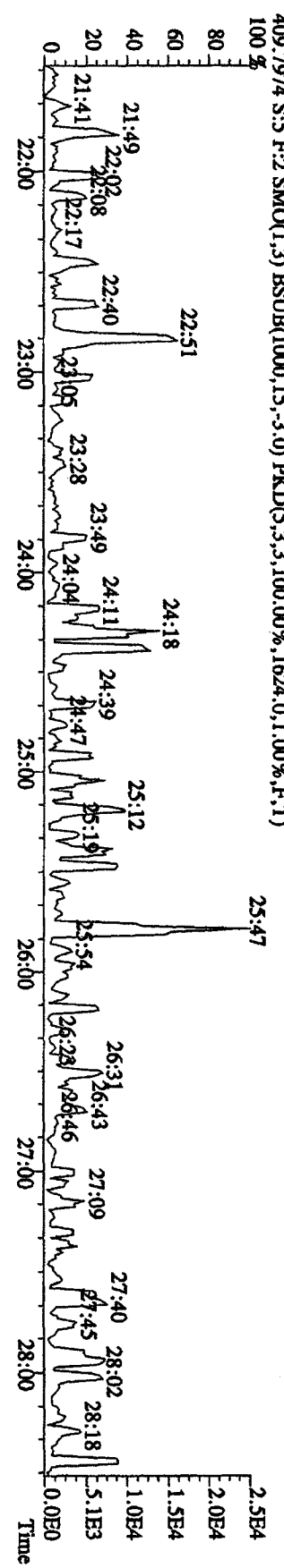
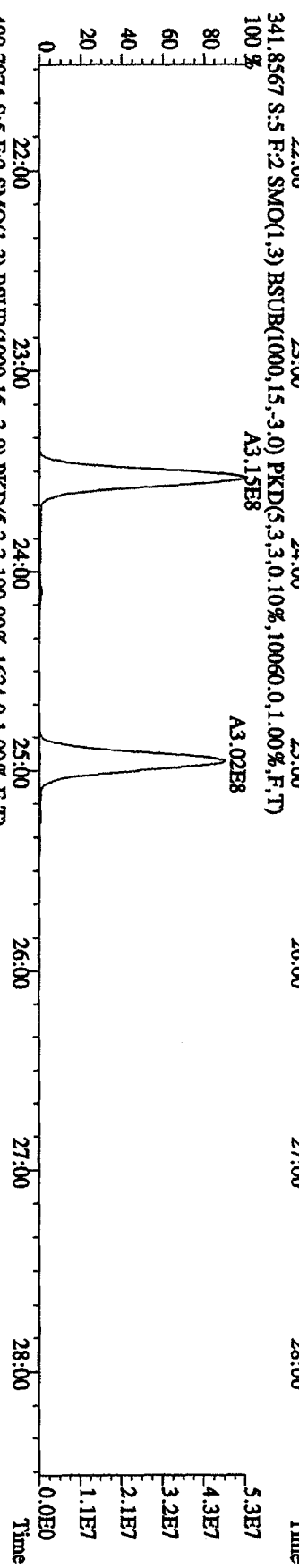
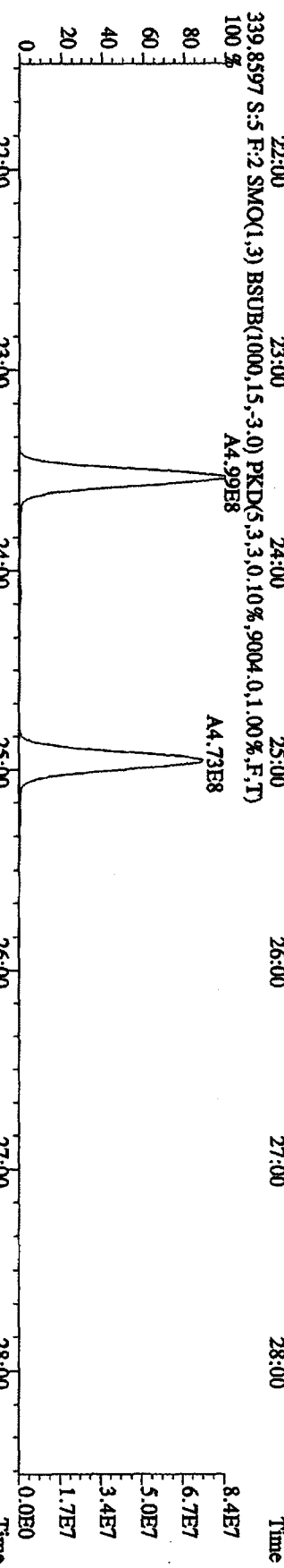
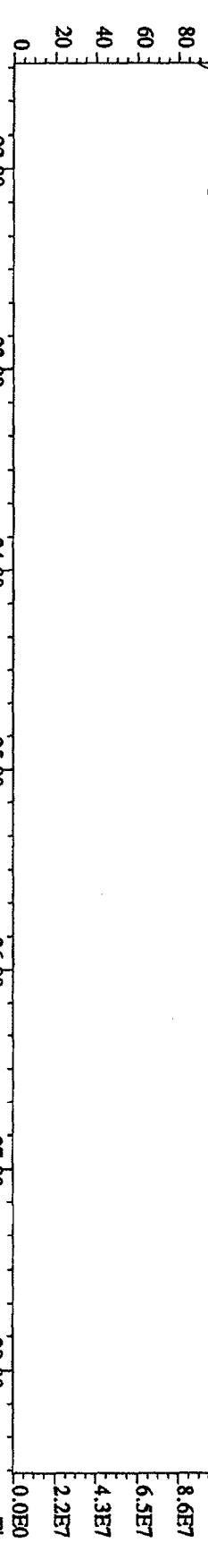
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,17292,0,1,00%,F,T)
 100%



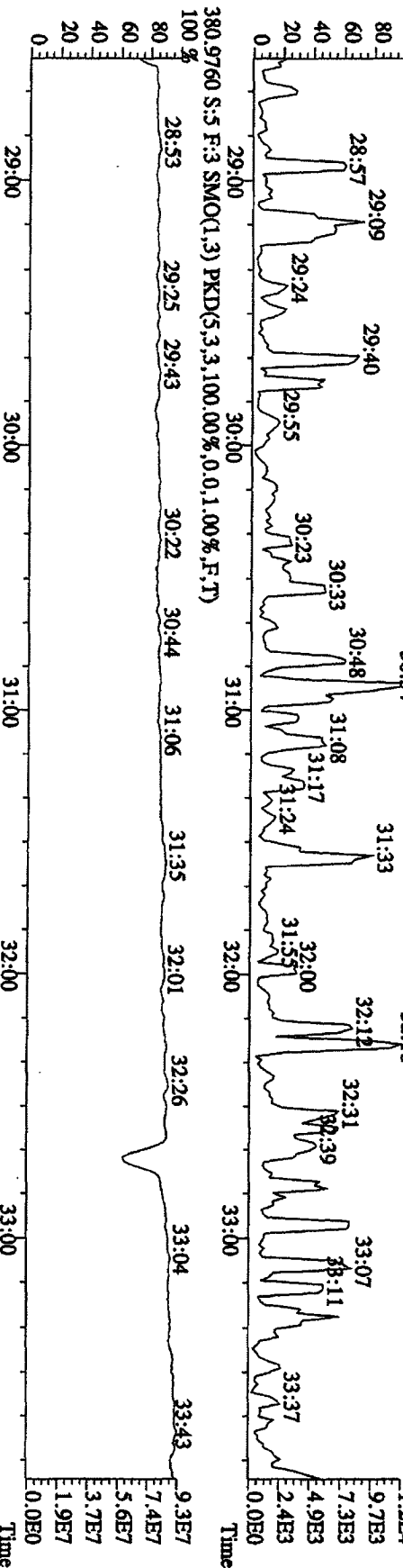
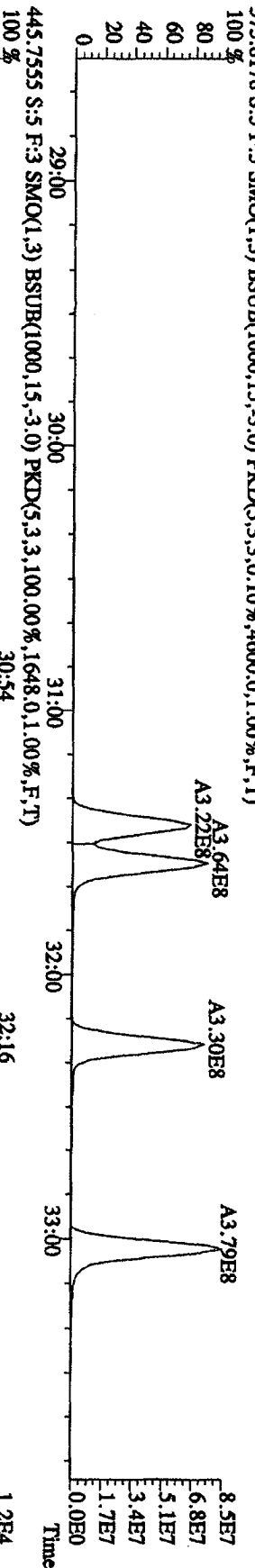
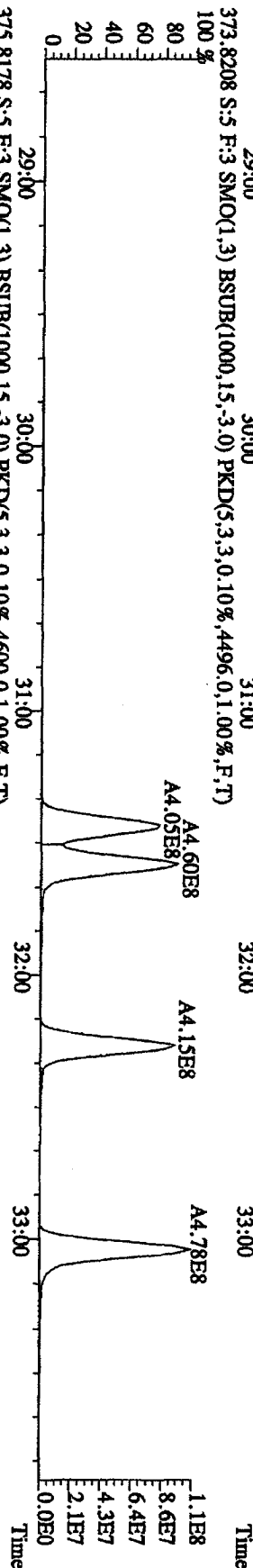
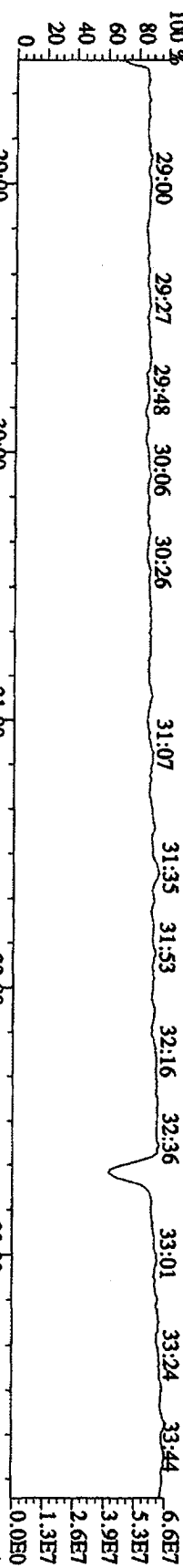
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage S1R 70SE
 Sample#5 Text:ST1231E :CS:4 09DXN426 Exp:DI0XIN



File: 31DE09AIDS #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:5 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

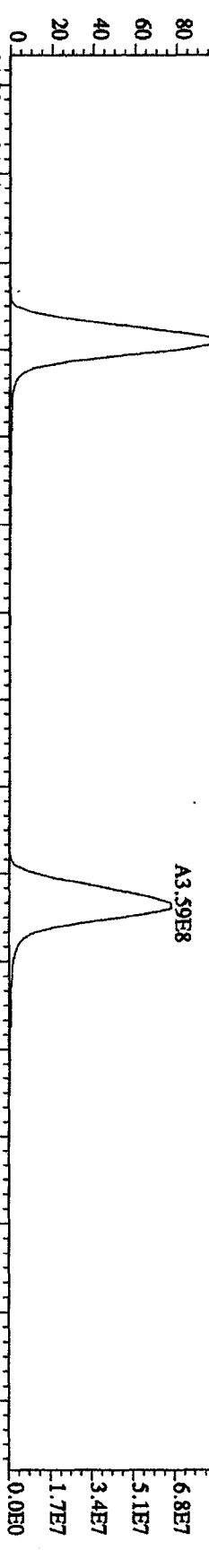


File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN

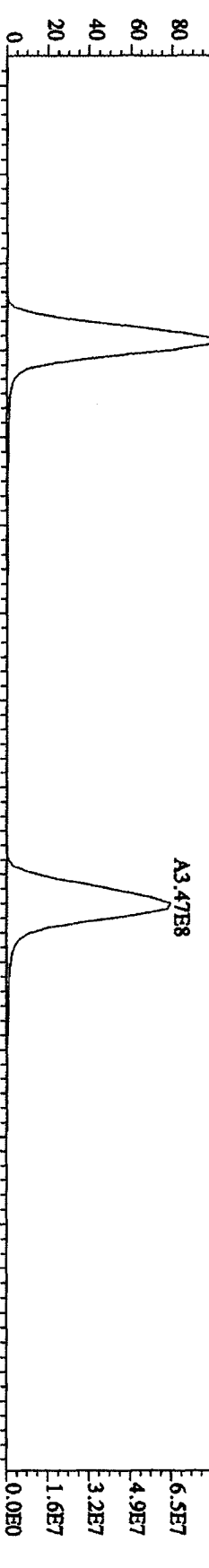
430.9728 S.S.F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 34:10 34:23 34:42 34:55 35:05



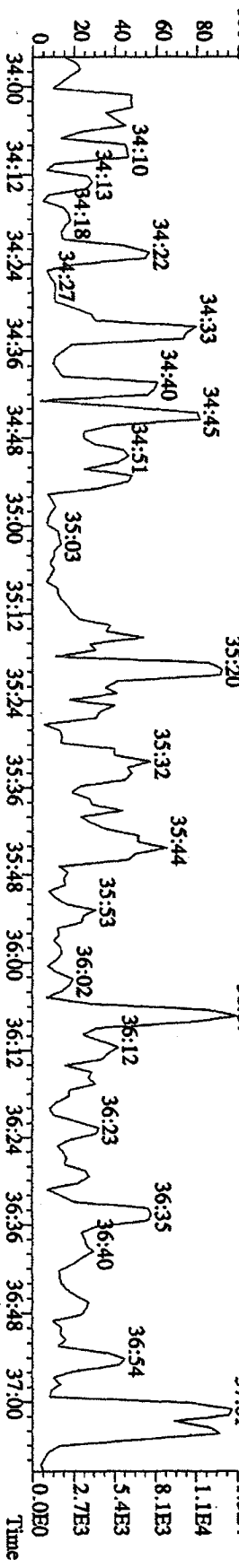
407.7818 S.S.F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26764,0,1.00%,F,T)
 100% A3.99E8



409.7789 S.S.F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26820,0,1.00%,F,T)
 100% A3.85E8

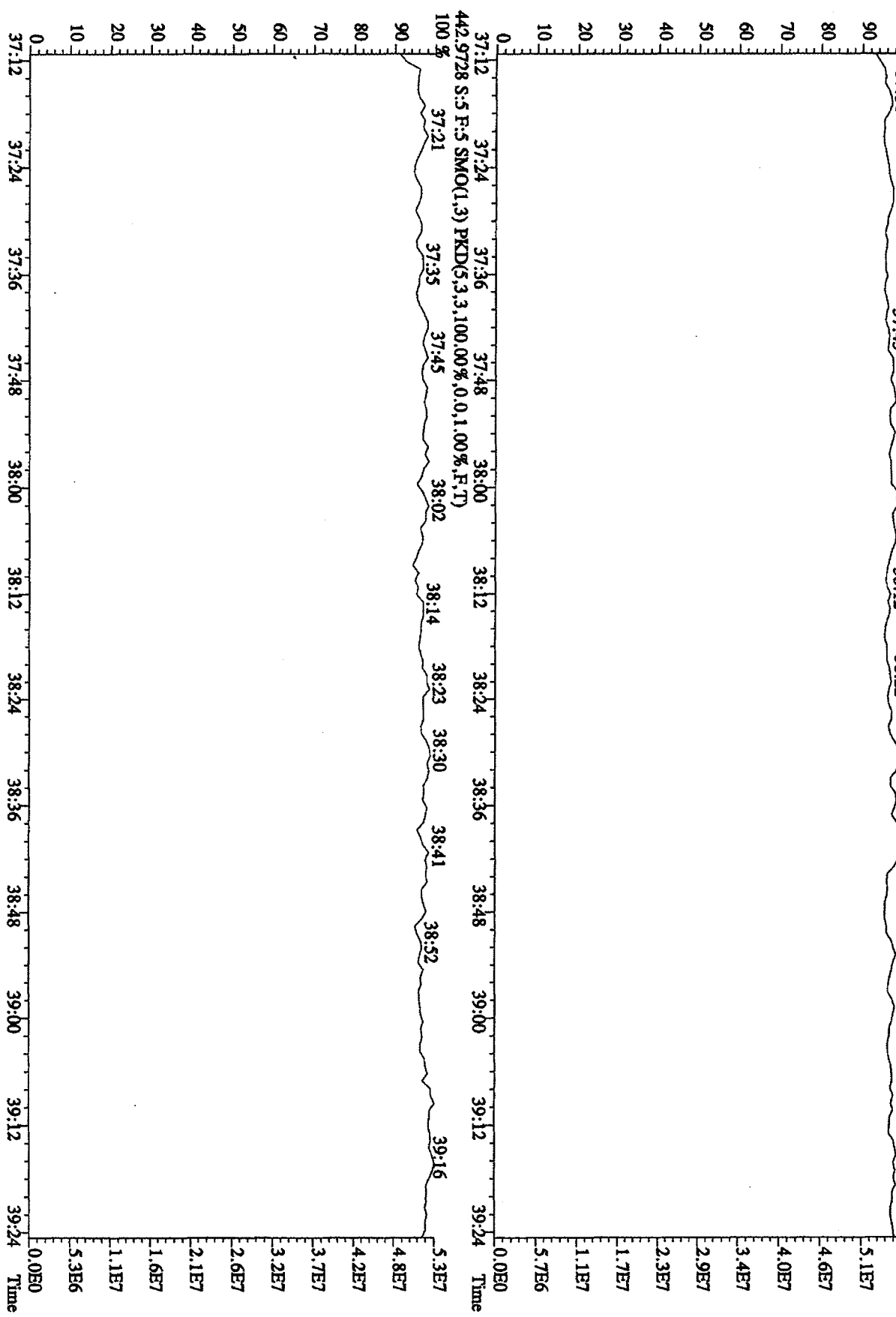


479.7165 S.S.F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2340,0,1.00%,F,T)
 100% 1.3E4

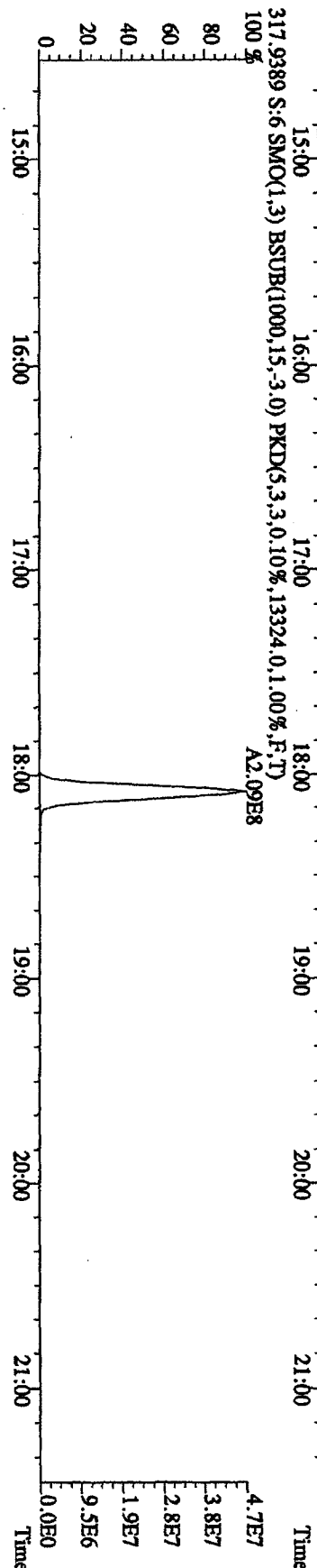
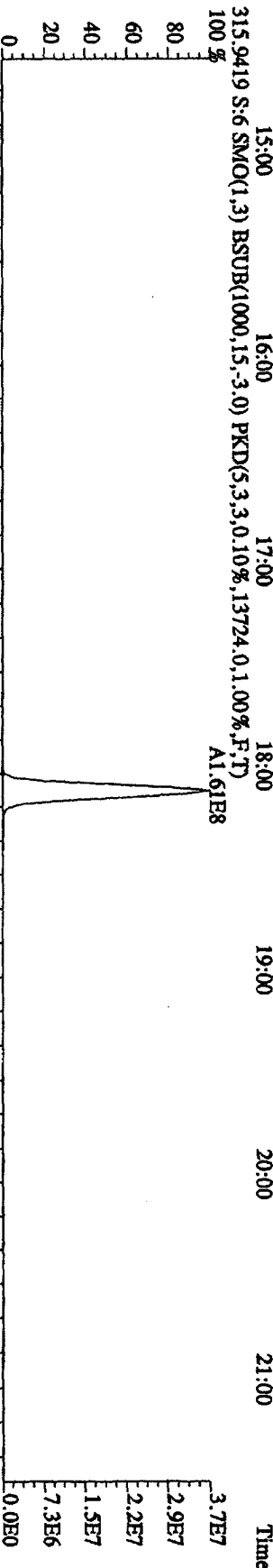
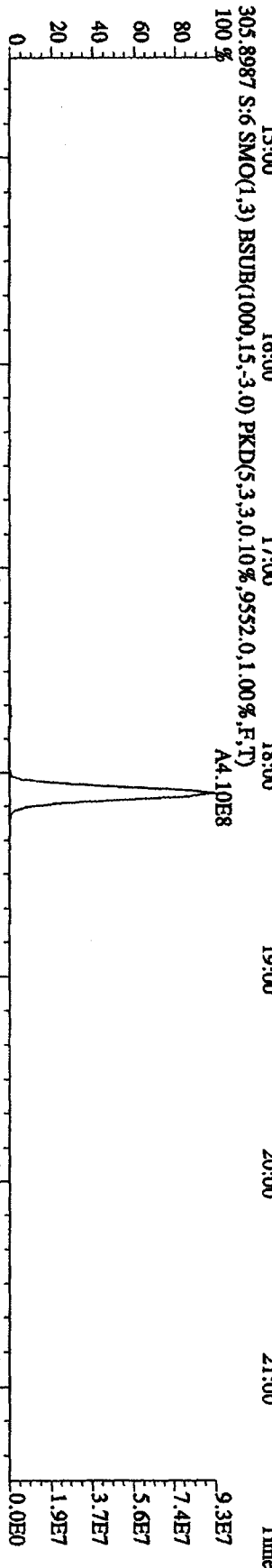
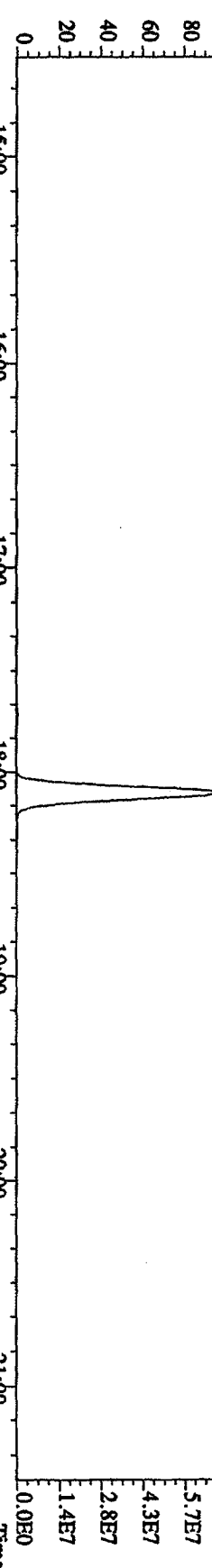


File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1231E :CS 4 09DXN426 Exp: DIOXIN

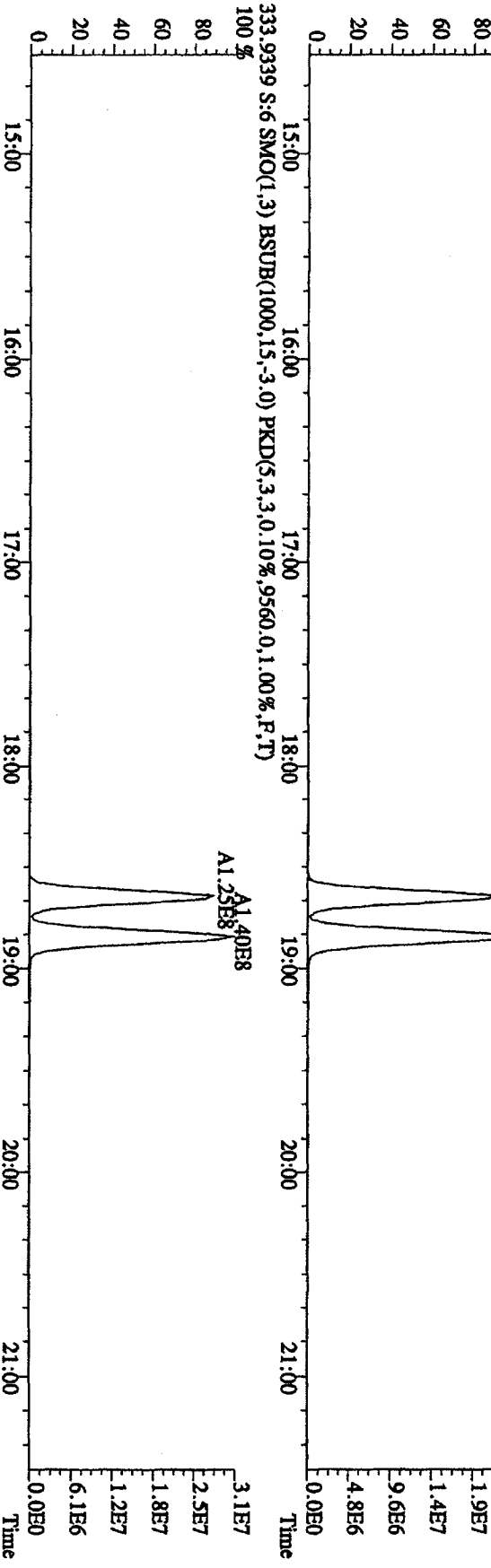
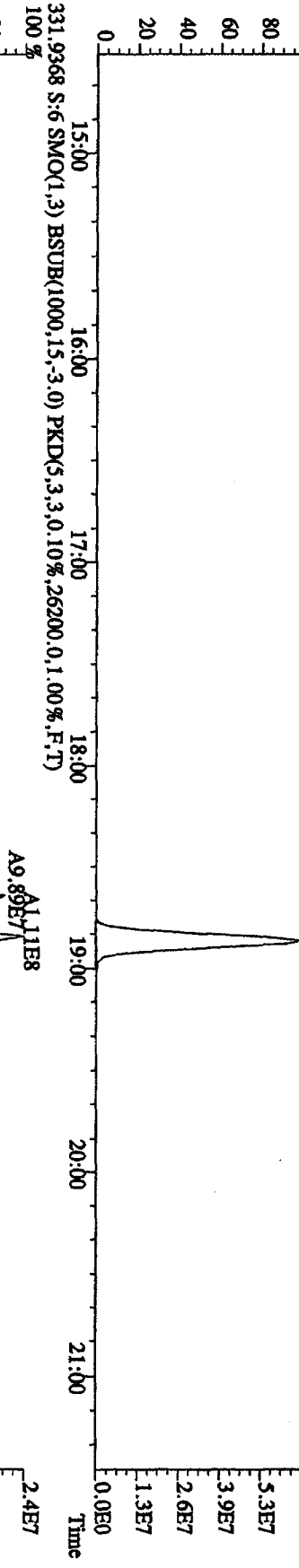
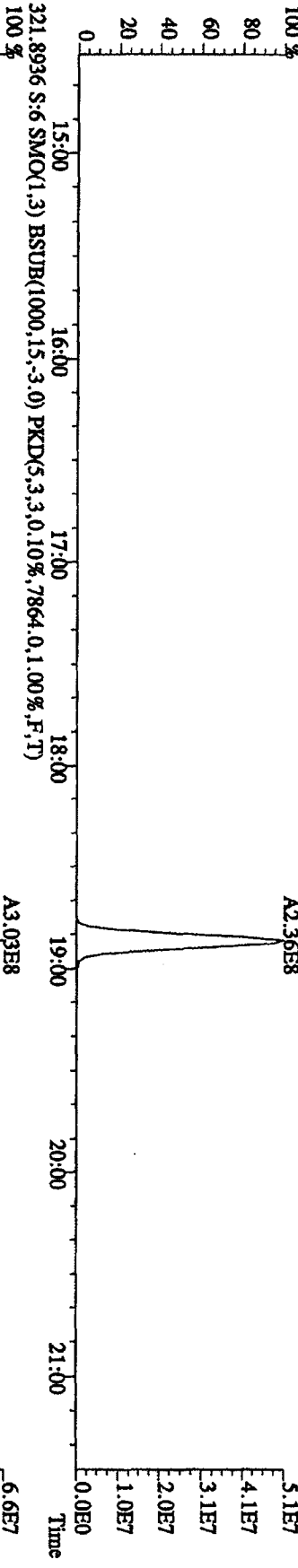
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:16 37:27 37:43 37:50 38:02 38:12 38:22 38:30 38:39 38:53 39:15



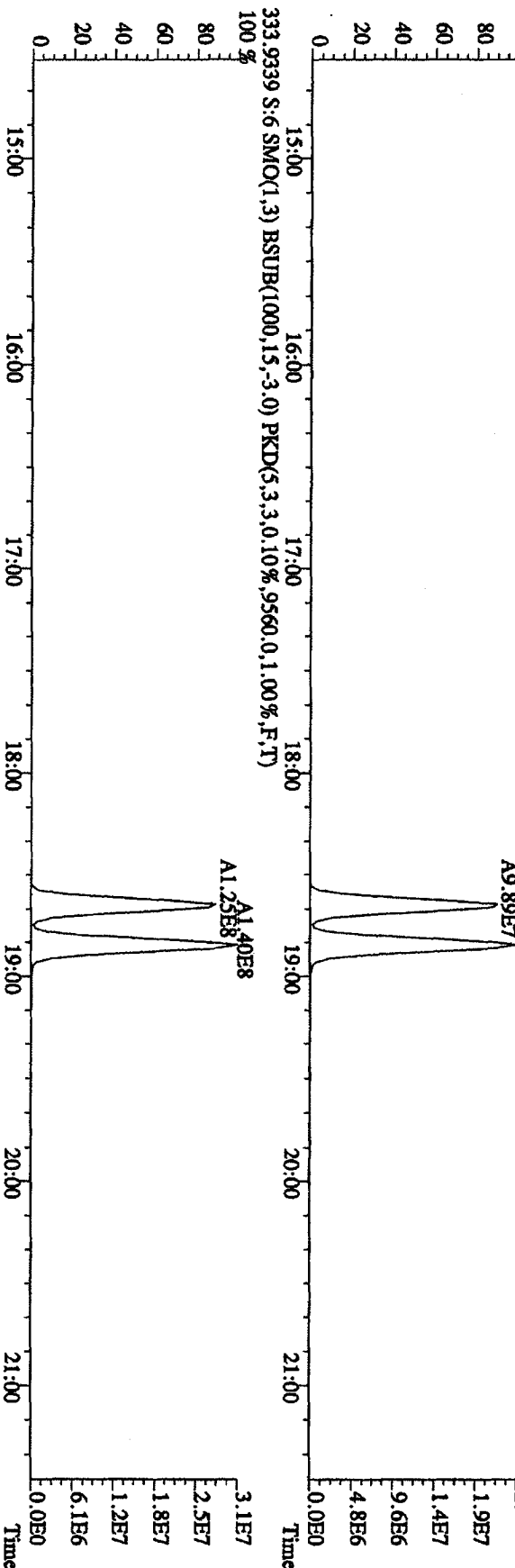
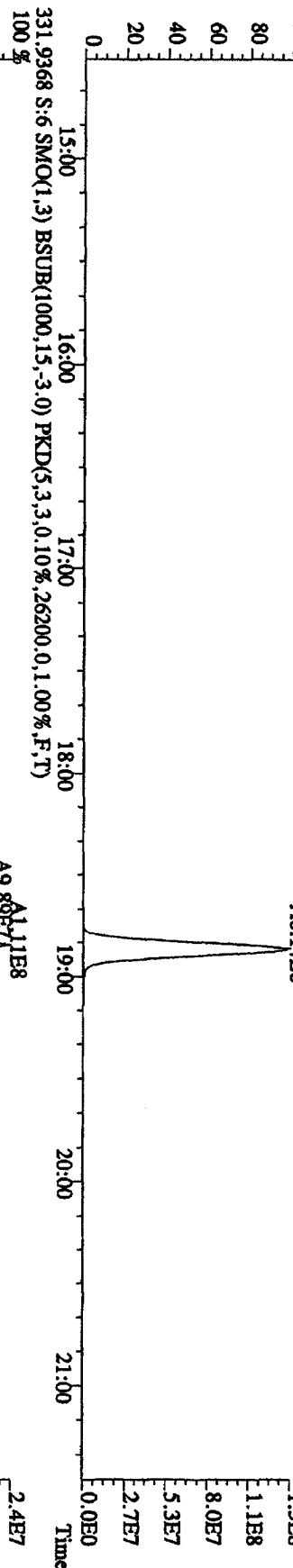
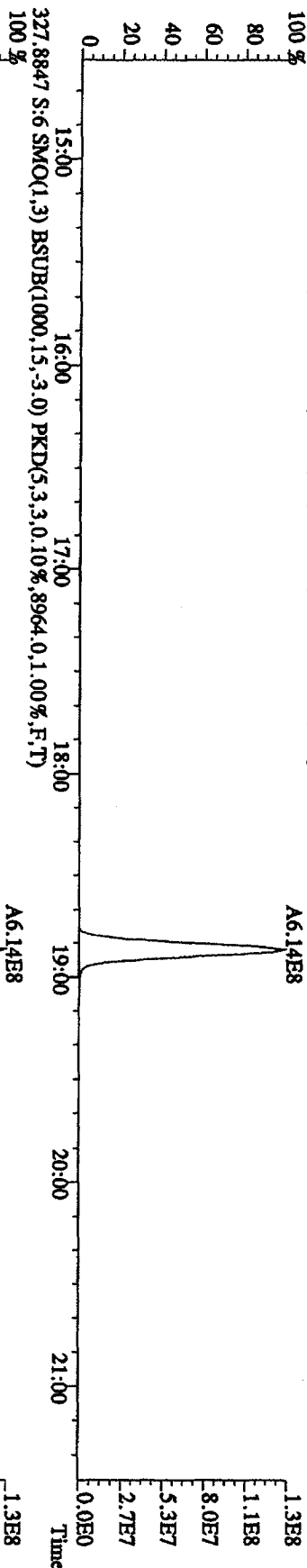
File:31DB09A1D5 #1-411 Acq: 1-IAN-2010 02:36:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST123IF :CS-5 09DXN456 Exp:DIOXIN
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9492,0.1,00%,F,T)
 100 %



File:31DE09AID5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST123IF :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)

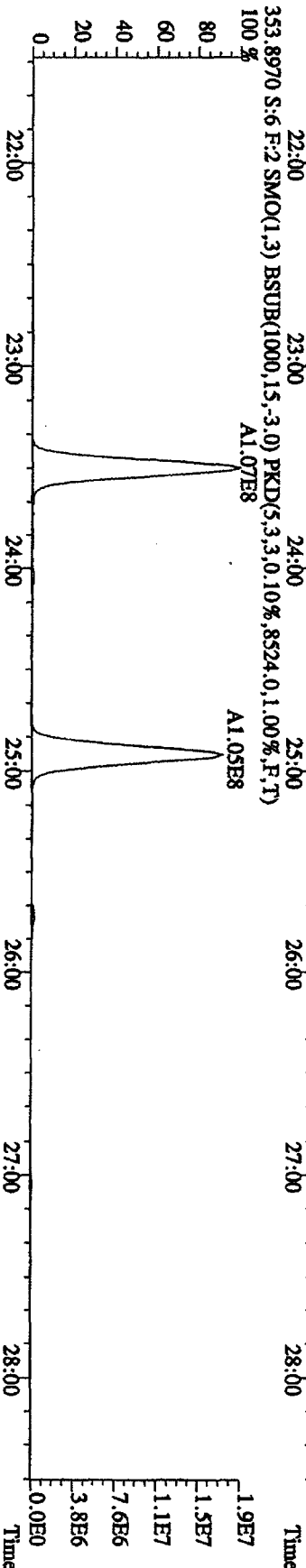
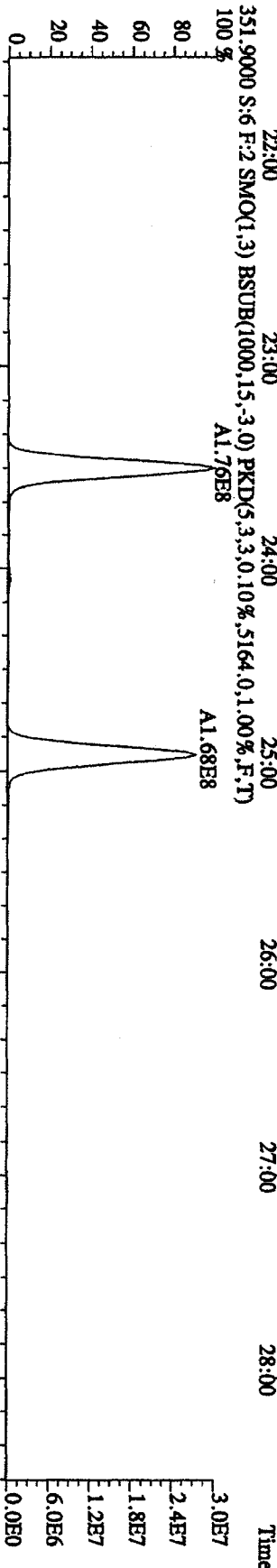
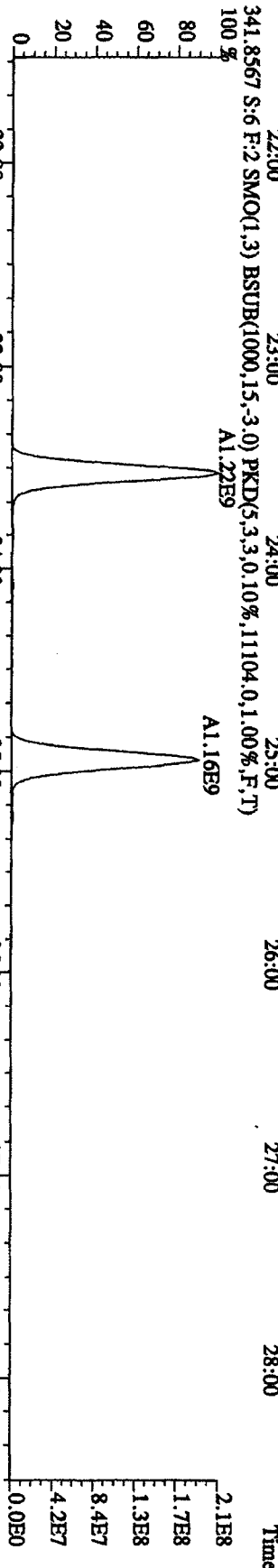
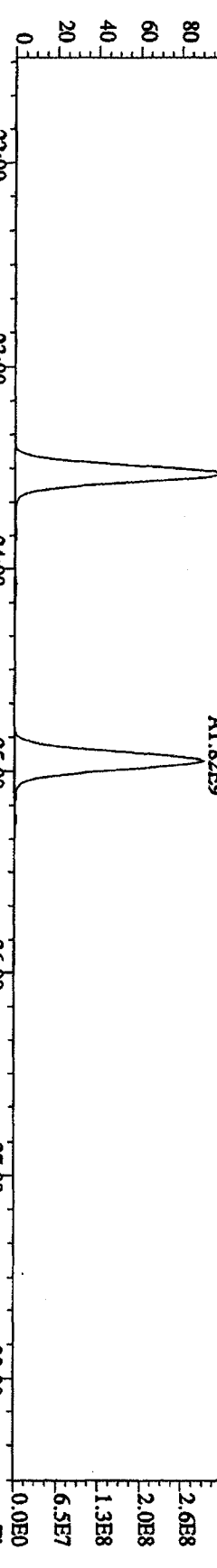


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DDXN456 Exp:DIOXIN
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8964,0,1,100%,F,T)

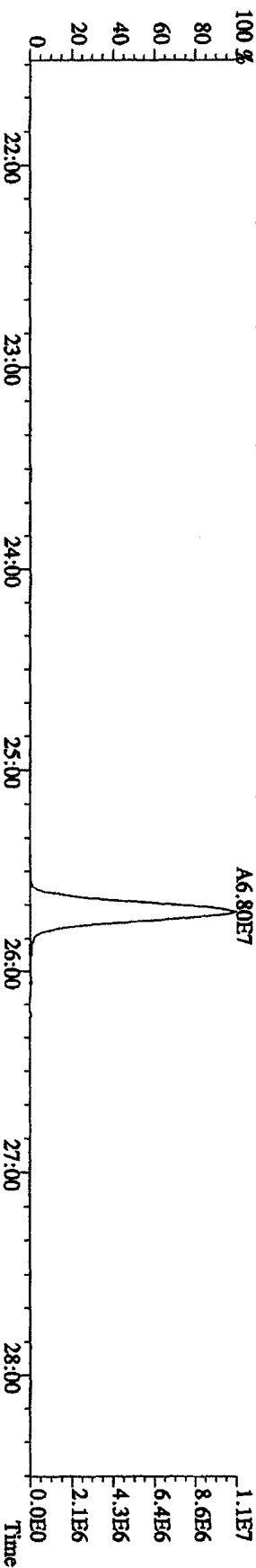
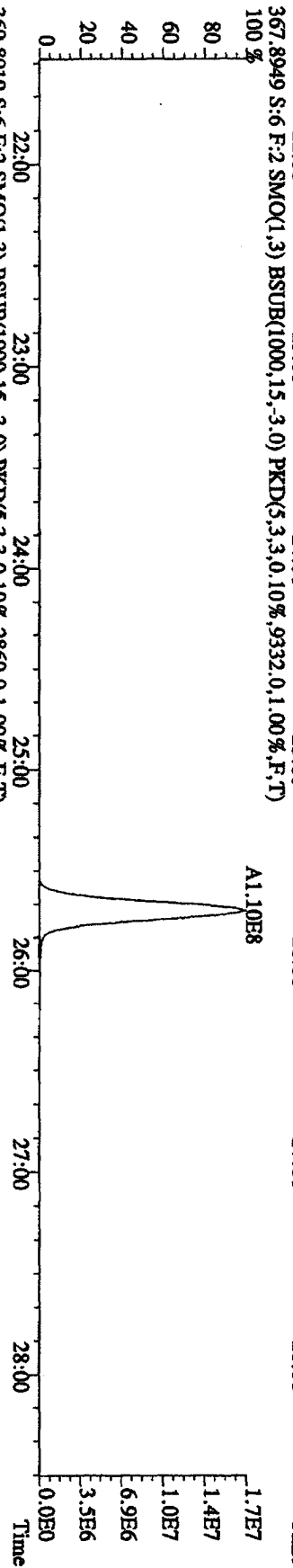
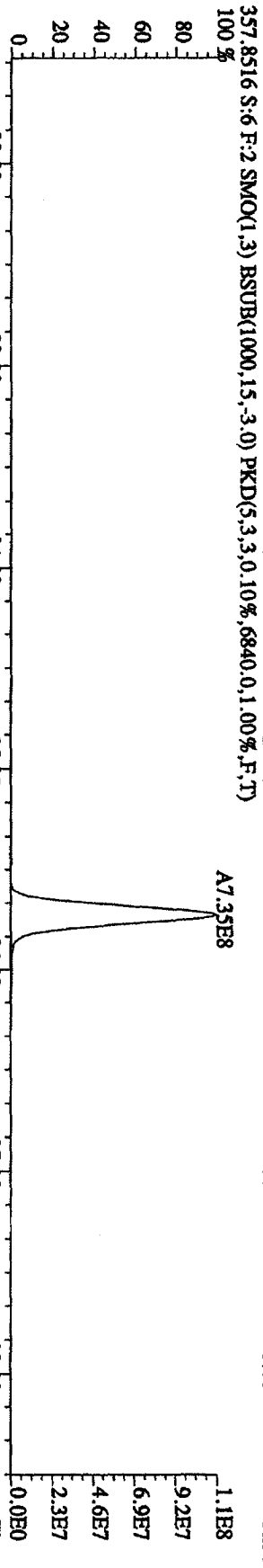
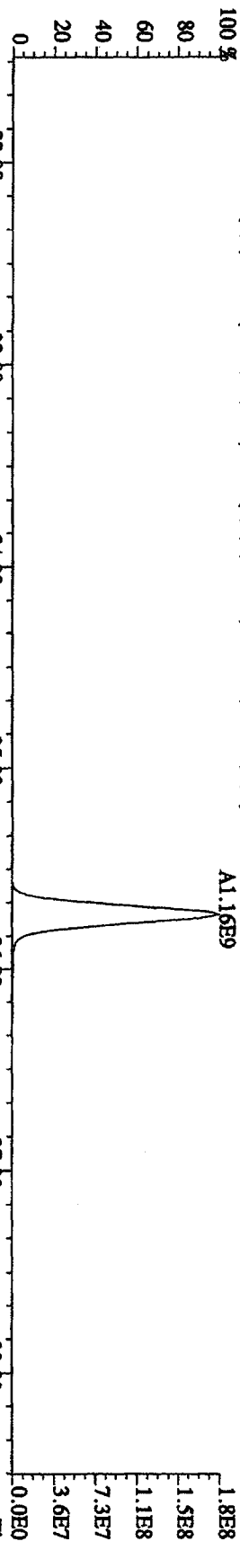


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

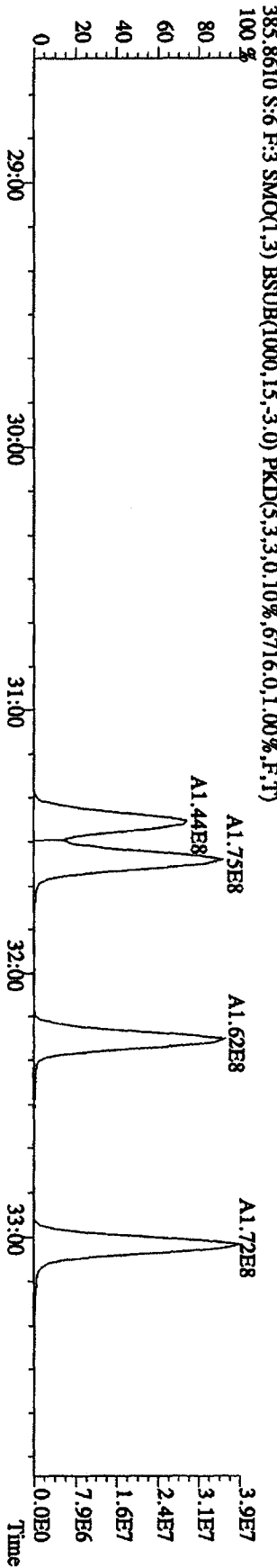
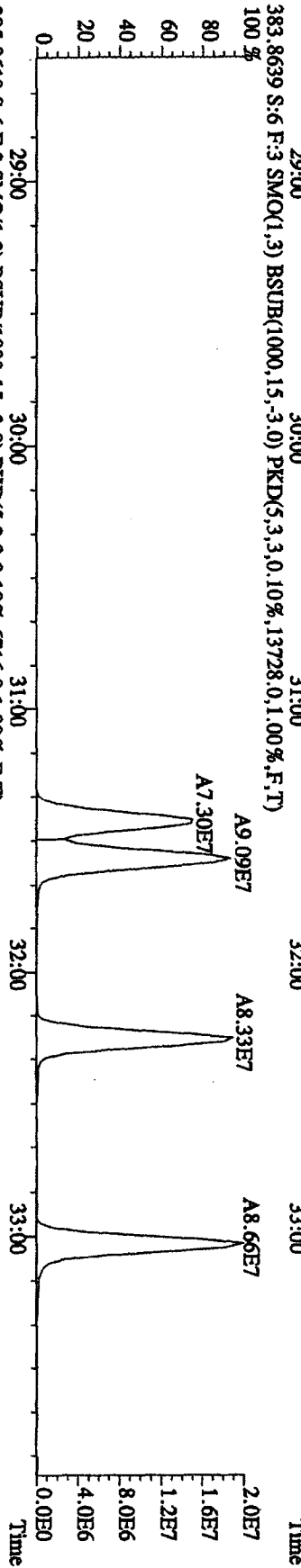
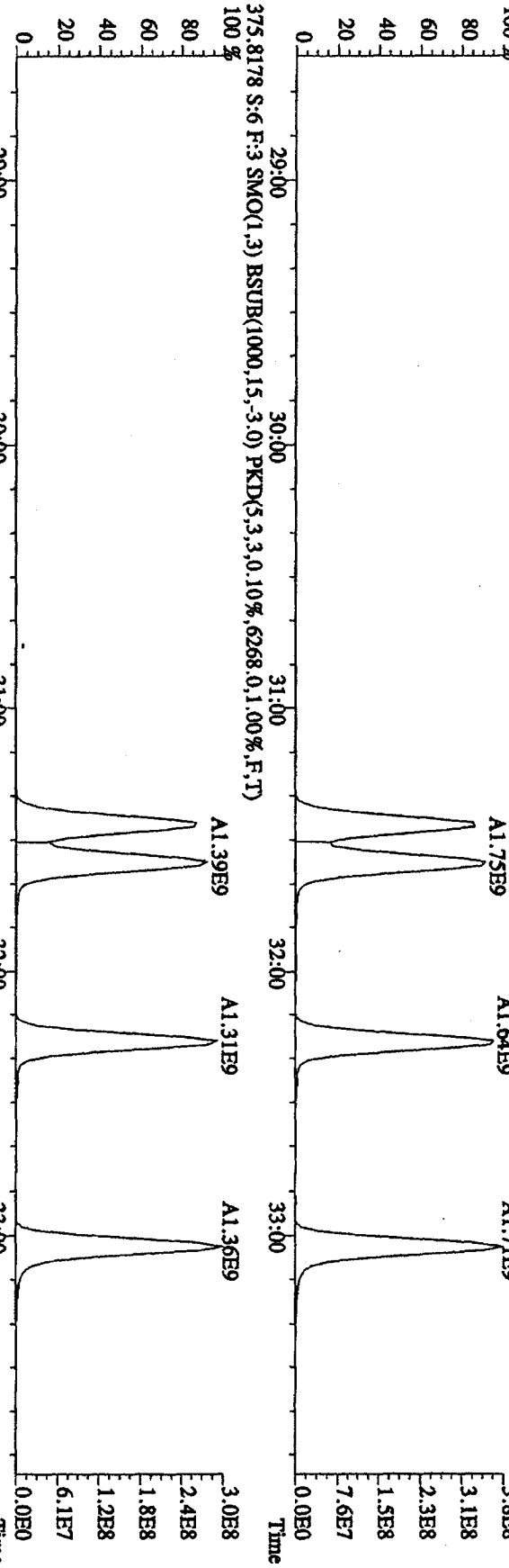
Sample#6 Text:ST1231F :CS-5-09DXN456 Exp:DIOXIN



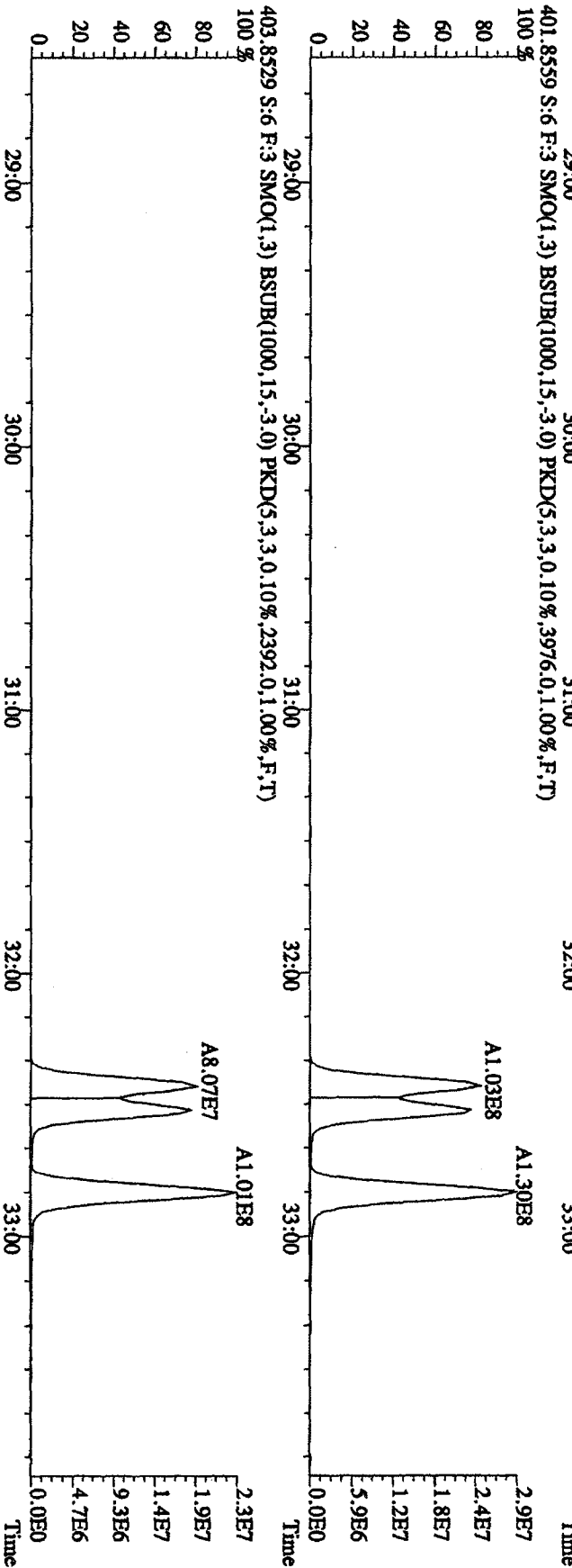
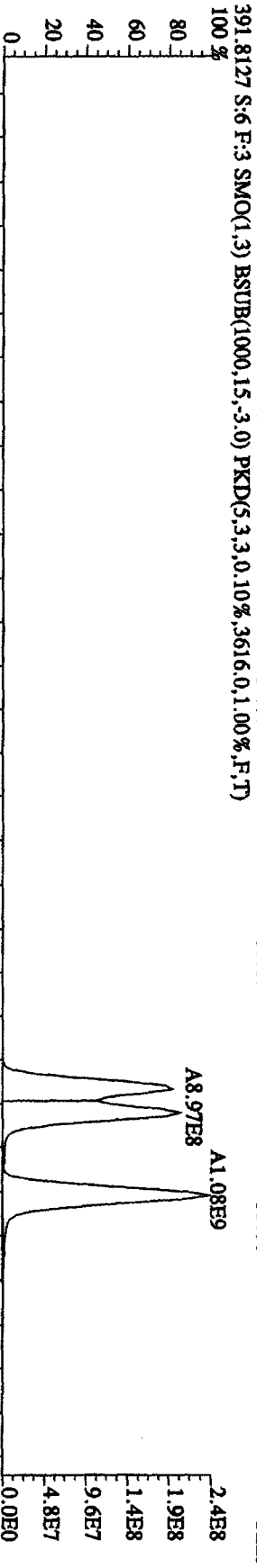
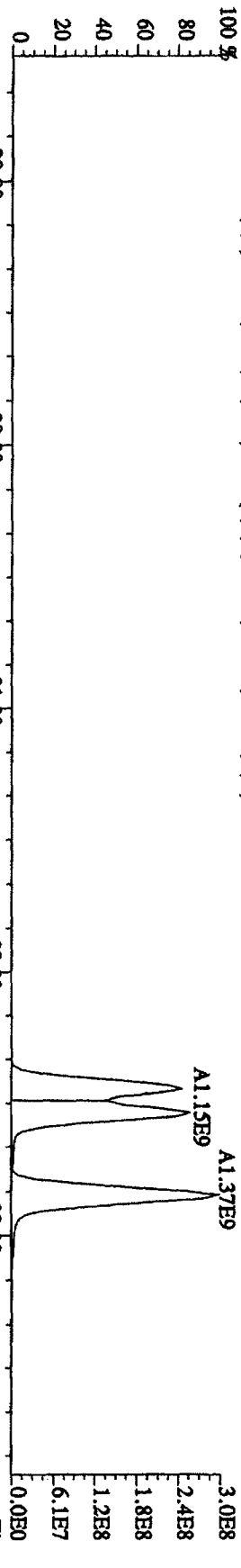
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11264,0.1,00%,F,T)
 100 %



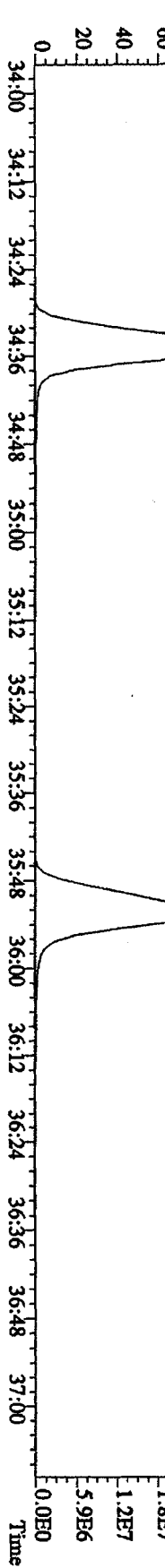
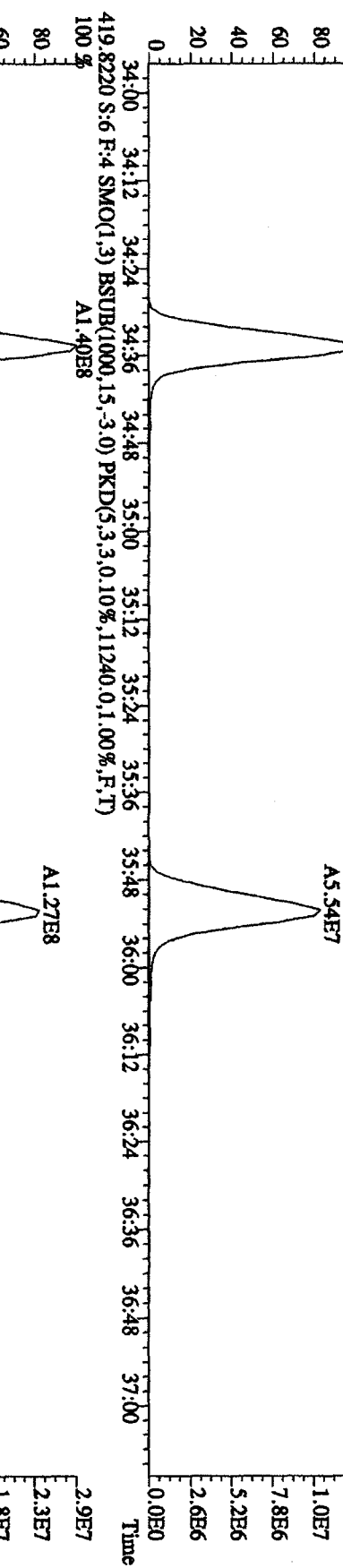
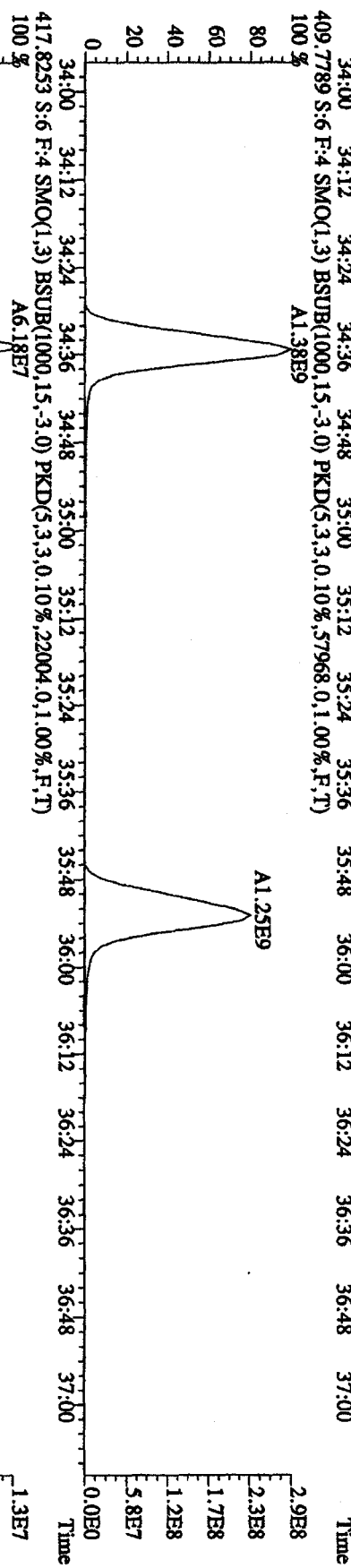
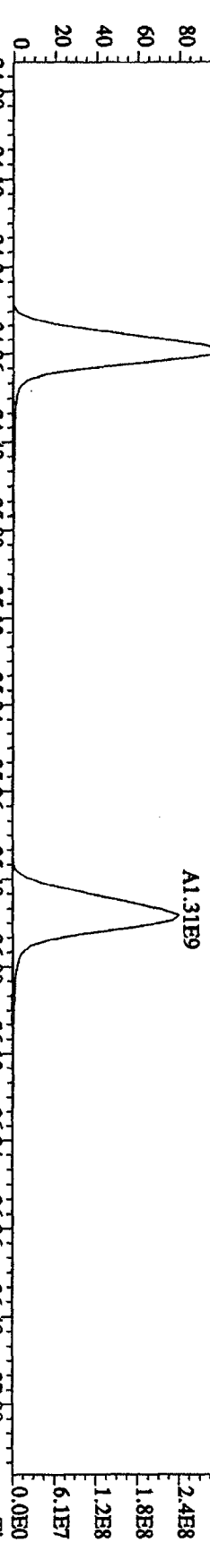
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SRR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXM456 Exp.:DIOXIN
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11080,0,1,00%,F,T)
 100 %



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)

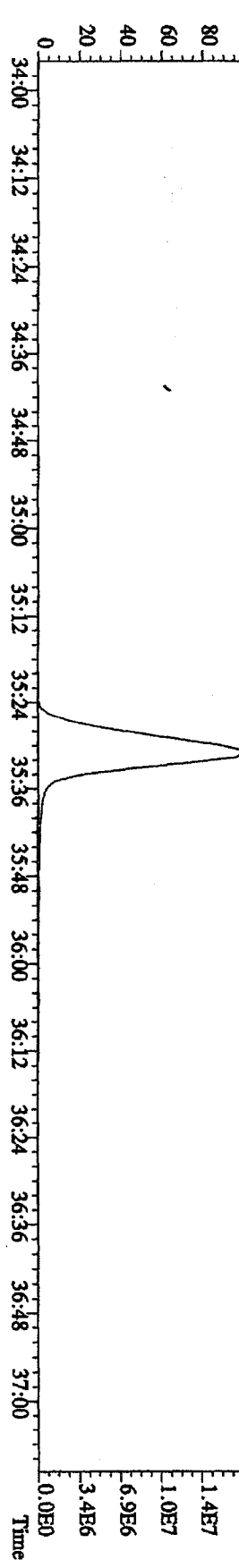
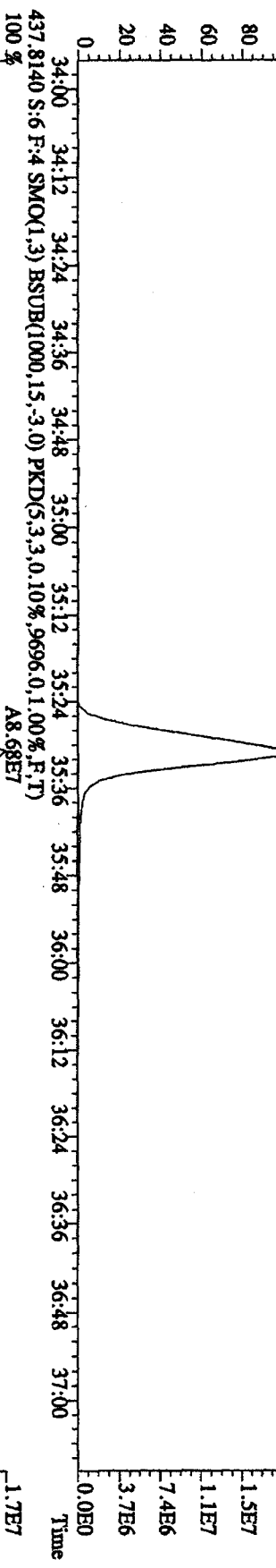
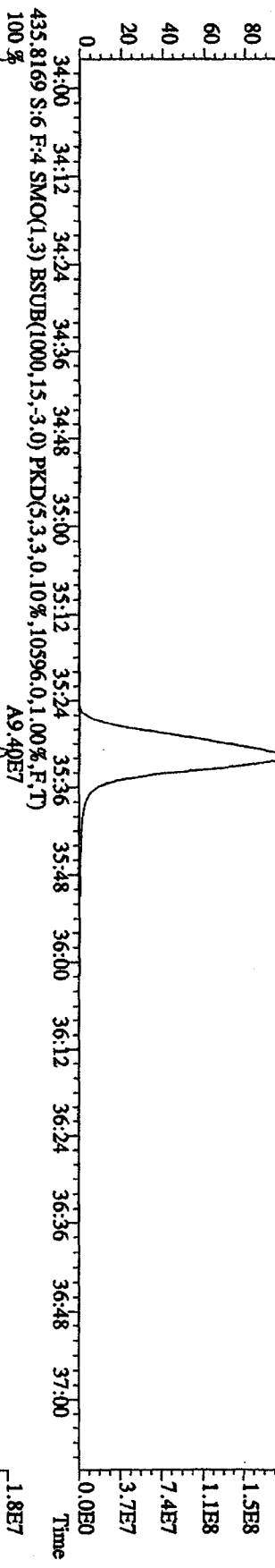
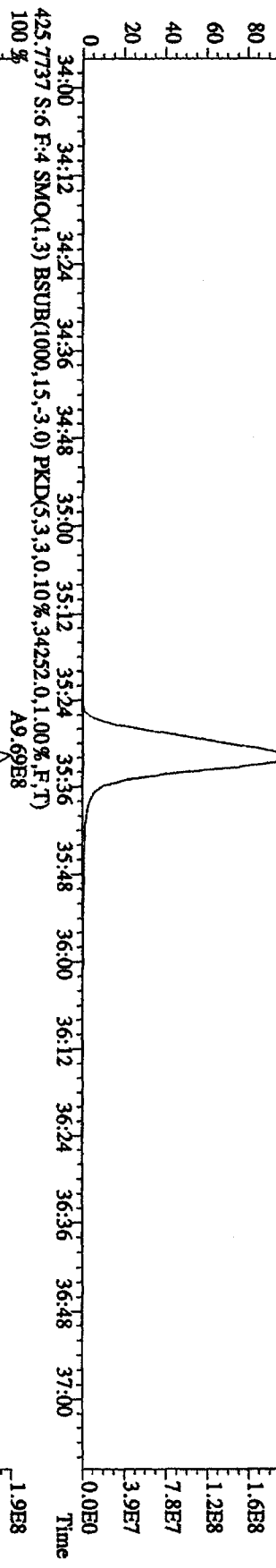


File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp.:DIOXIN
 407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,34380,0,1.00%,F,T)
 100 % A1.44E9

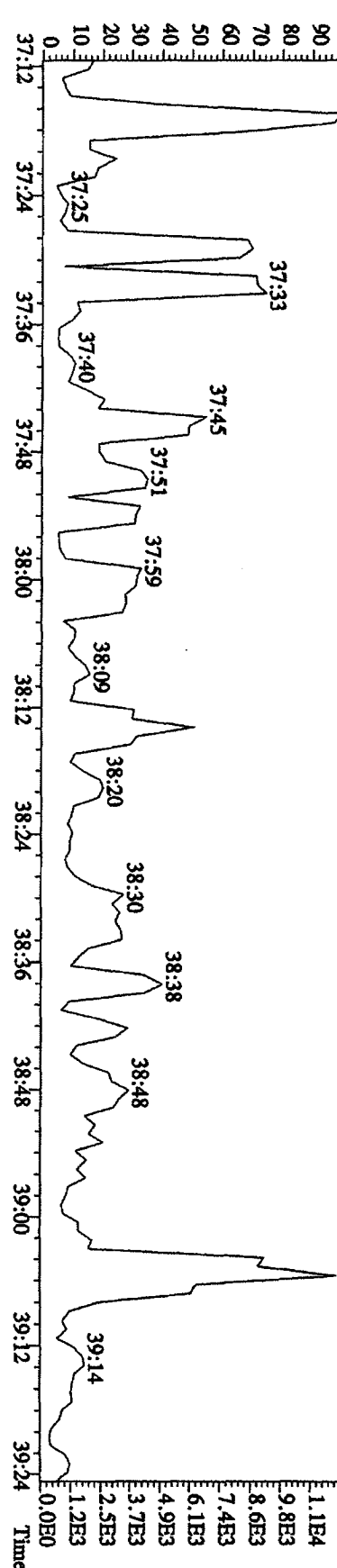
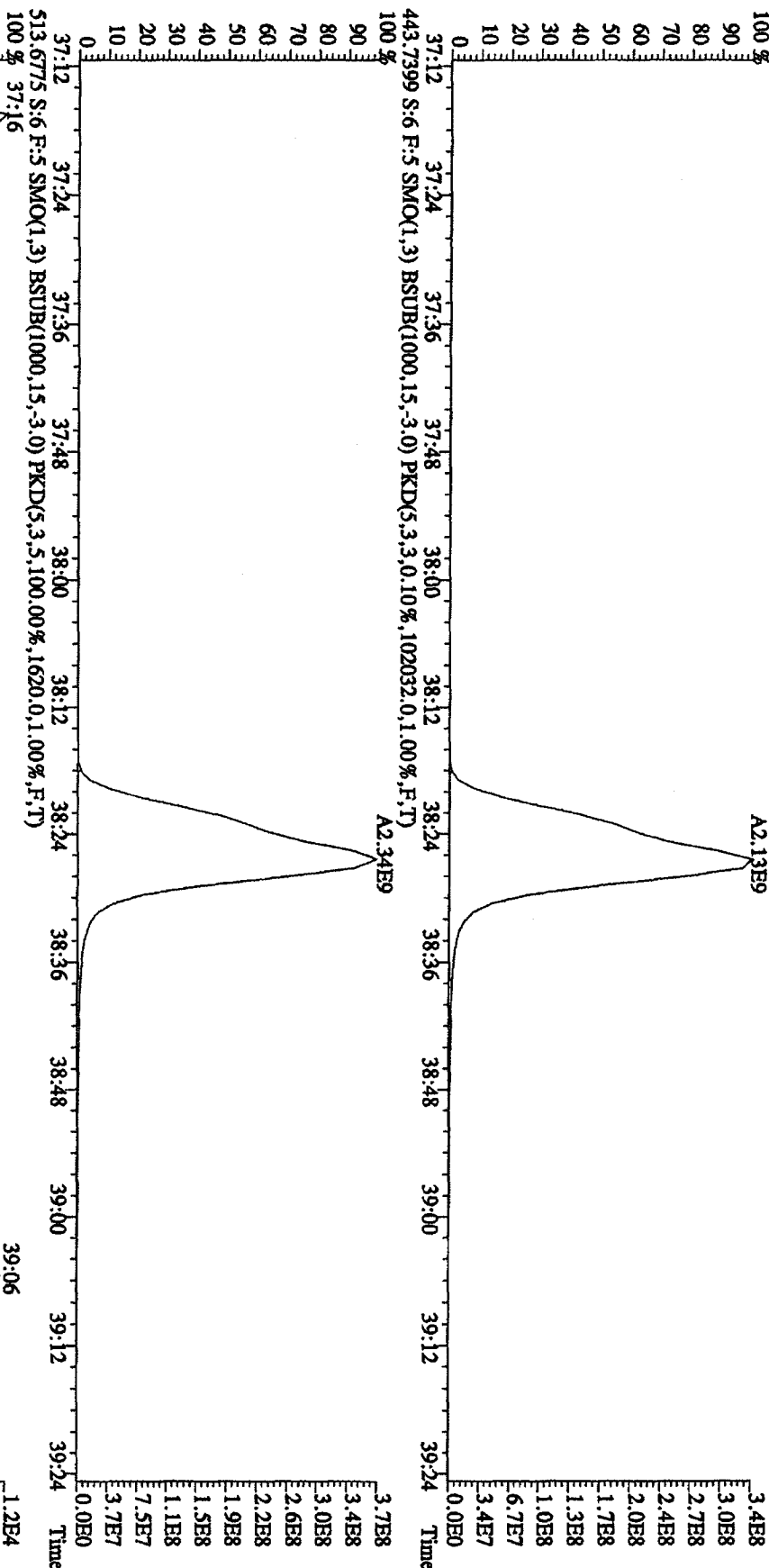


File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN
 423.7766 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38388,0.1,0.0%,F,T)
 100% A1.02E9

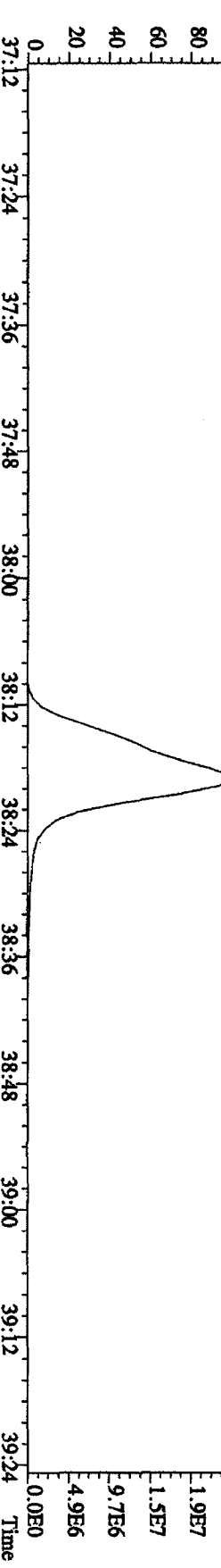
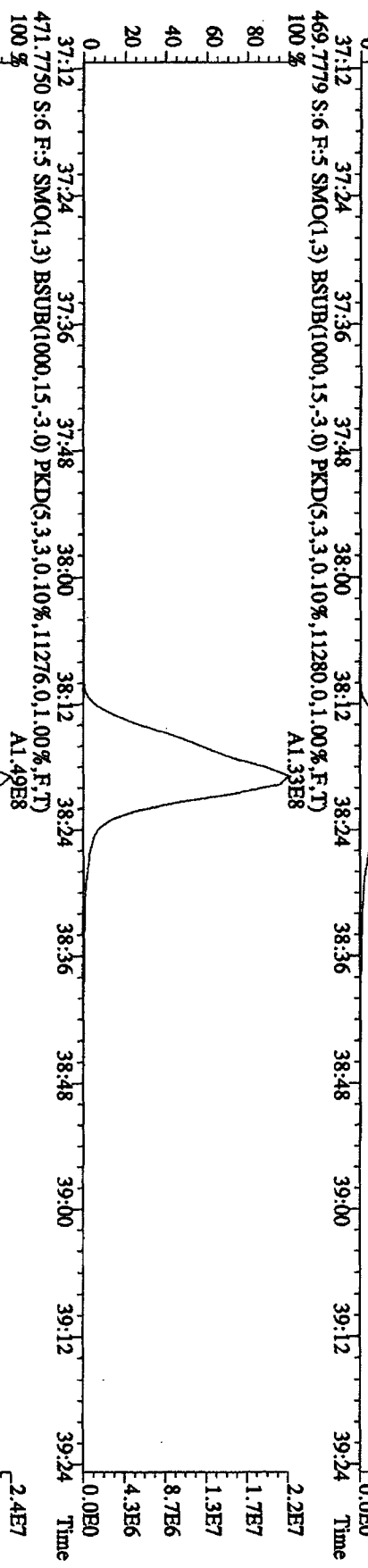
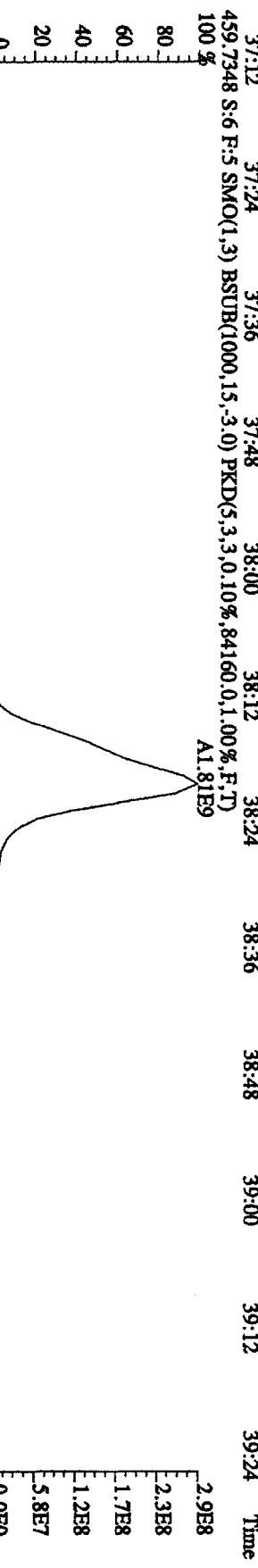
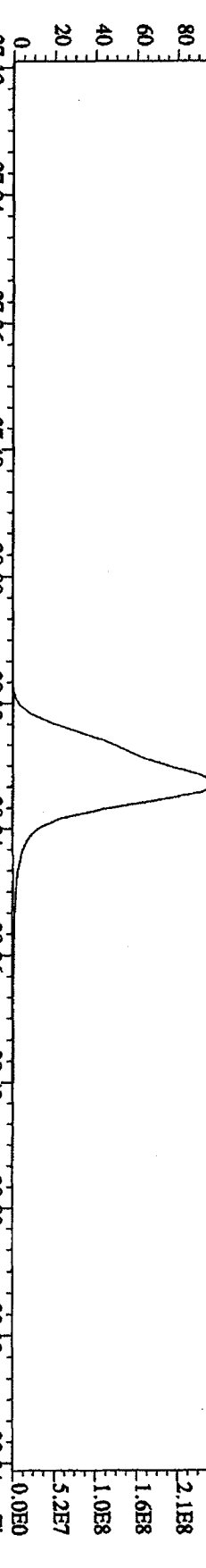


File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN
 441.7428 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72084,0.1,00%,F,T)
 100%



File:31DE09AIDS #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

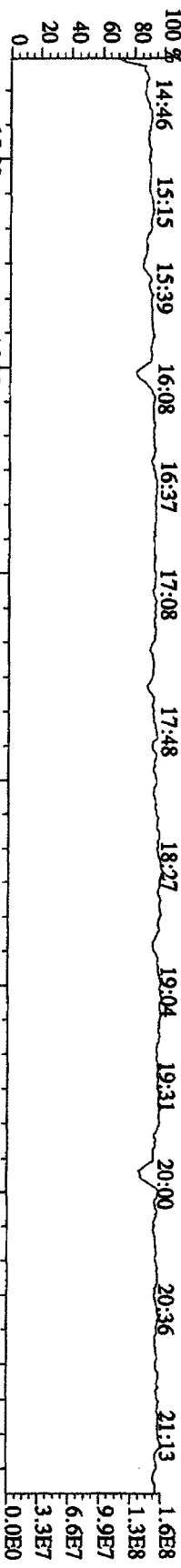
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN



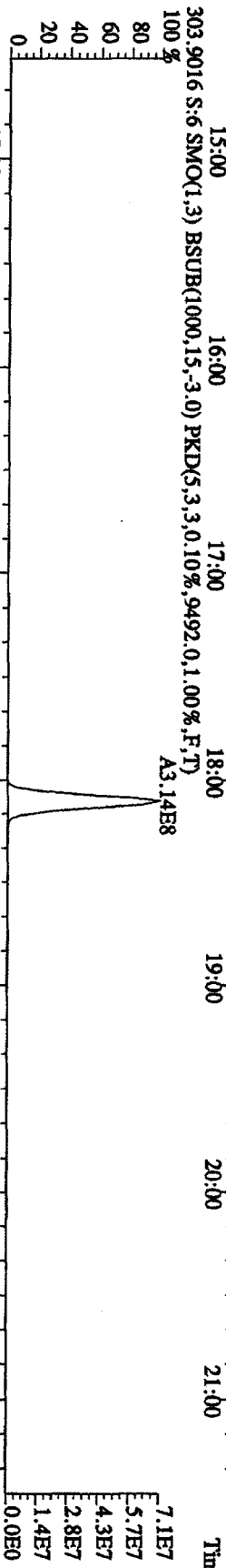
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXNA56 Exp:DIOXIN

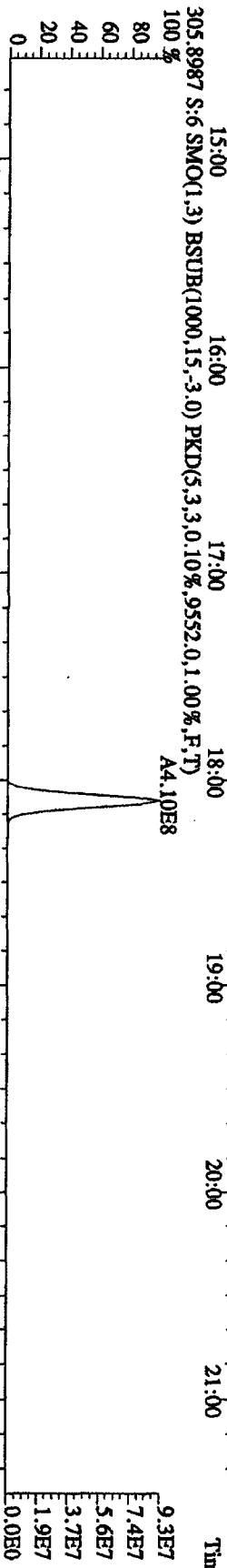
292.9825 S:6 SMO(1.3) PKD(5.3,5.100.00%,0.0,1.00%,F,T)



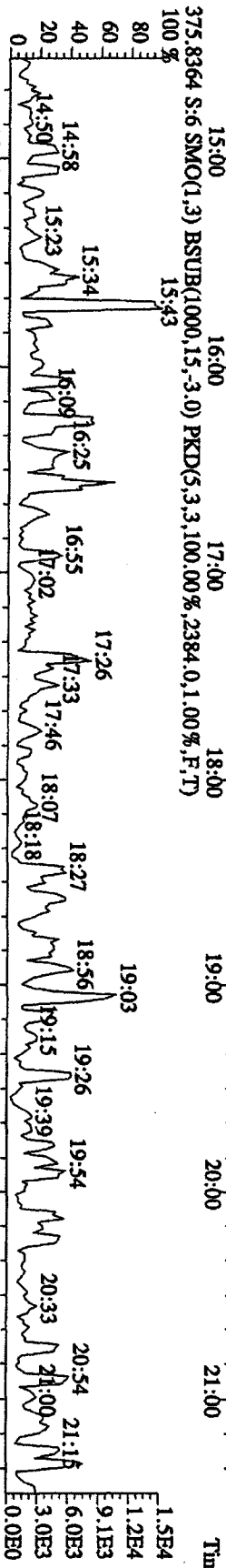
303.9016 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9492.0,1.00%,F,T)



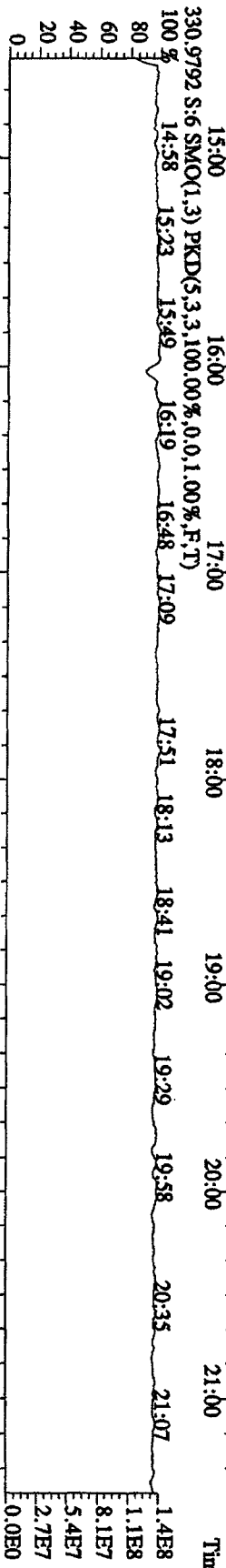
305.8987 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9552.0,1.00%,F,T)



375.8364 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,100.00%,2384.0,1.00%,F,T)



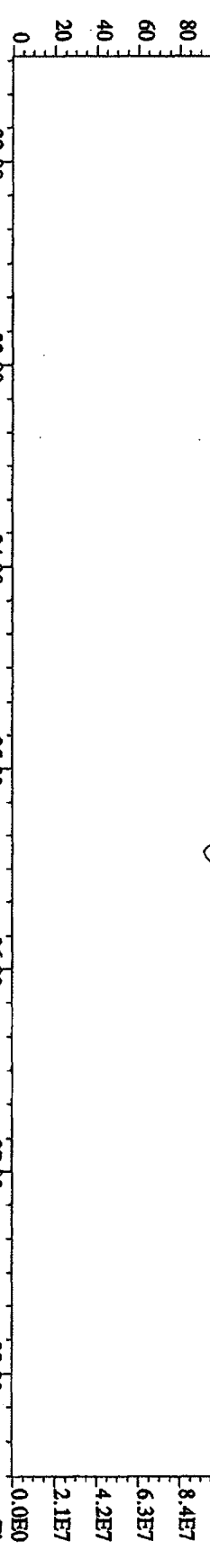
330.9792 S:6 SMO(1.3) PKD(5.3,3.0,100.00%,0.0,1.00%,F,T)



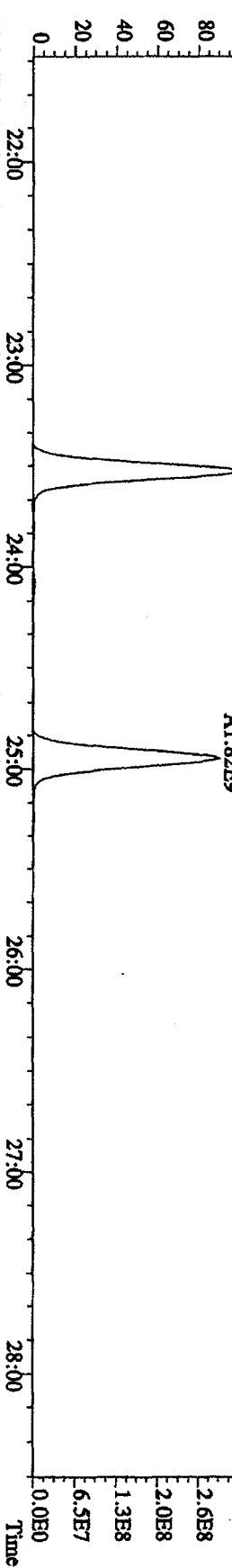
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

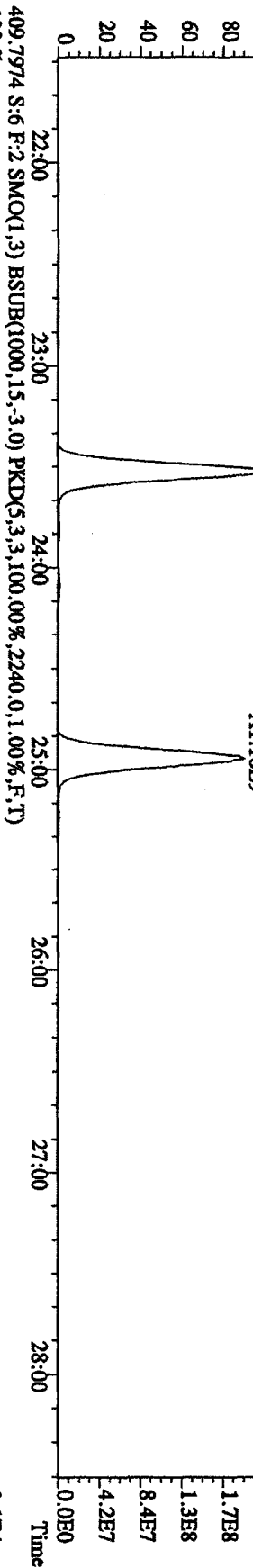
342.9792 S:6 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



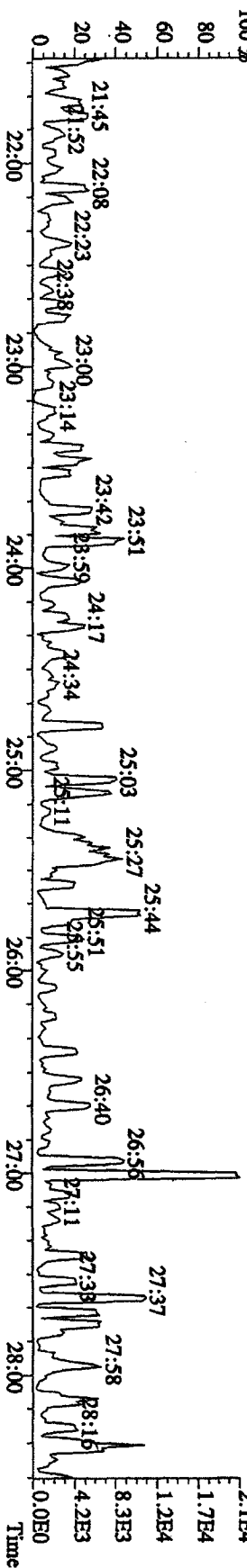
339.8597 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,21616.0,1.00%,F,T)



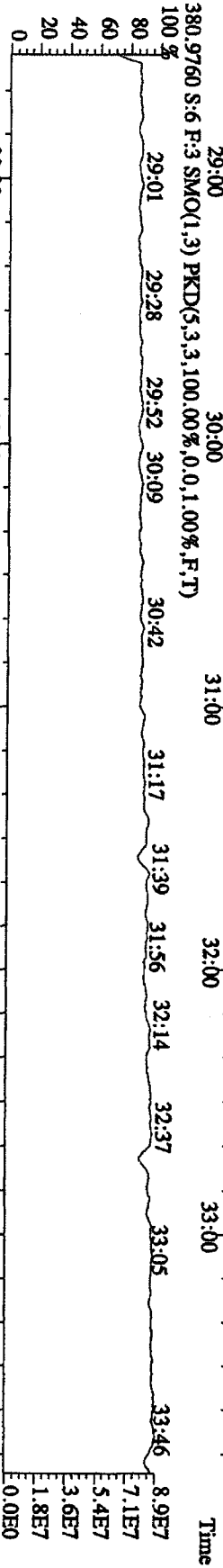
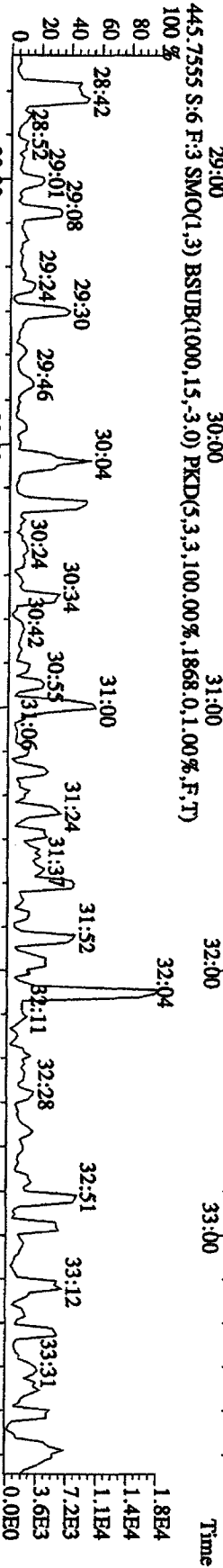
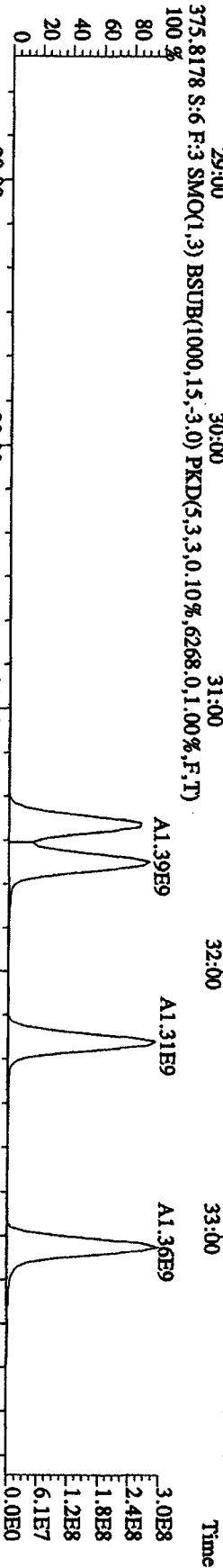
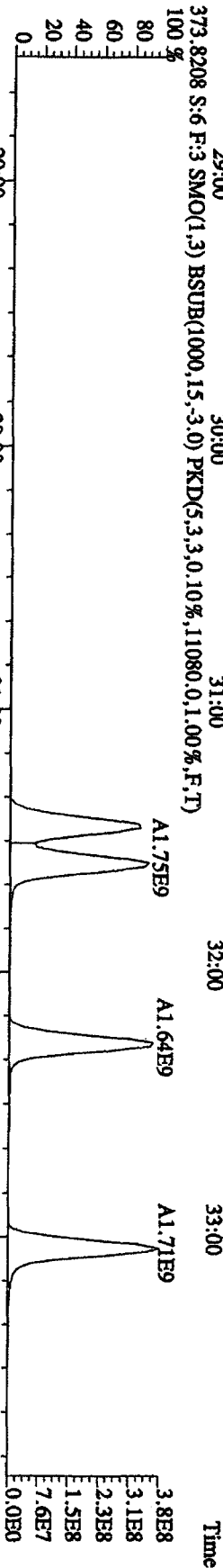
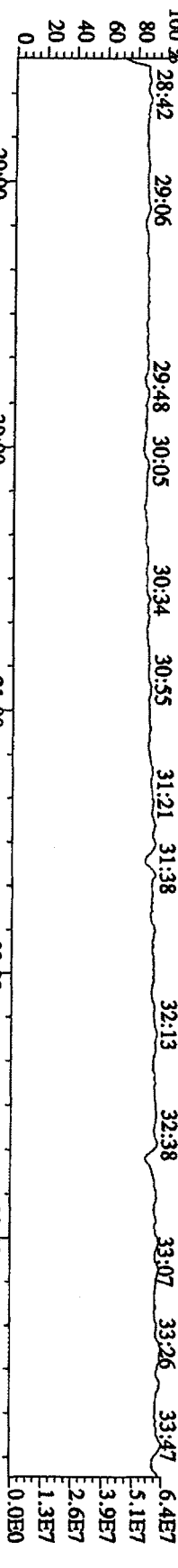
341.8567 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,11104.0,1.00%,F,T)



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)



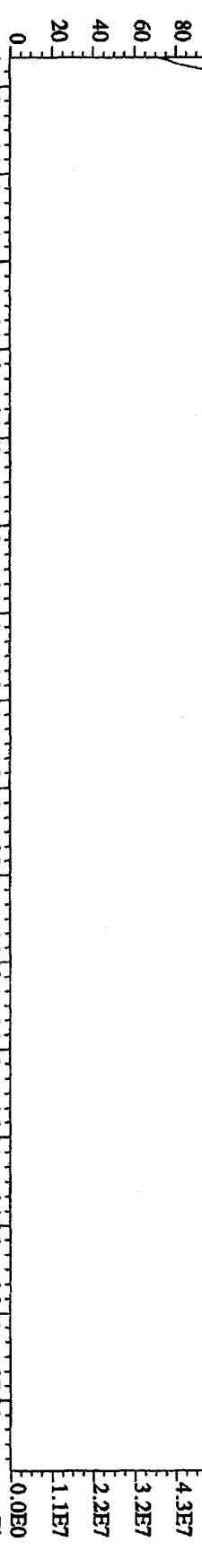
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DDXN456 Exp:DIOXIN
 392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



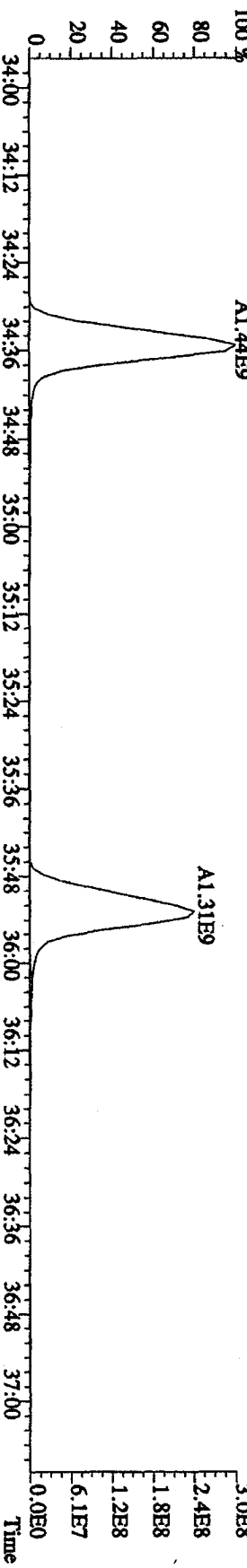
File: 31IDE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample# Text: ST1231F : CS-5 09DXN456 Exp: DIOXIN

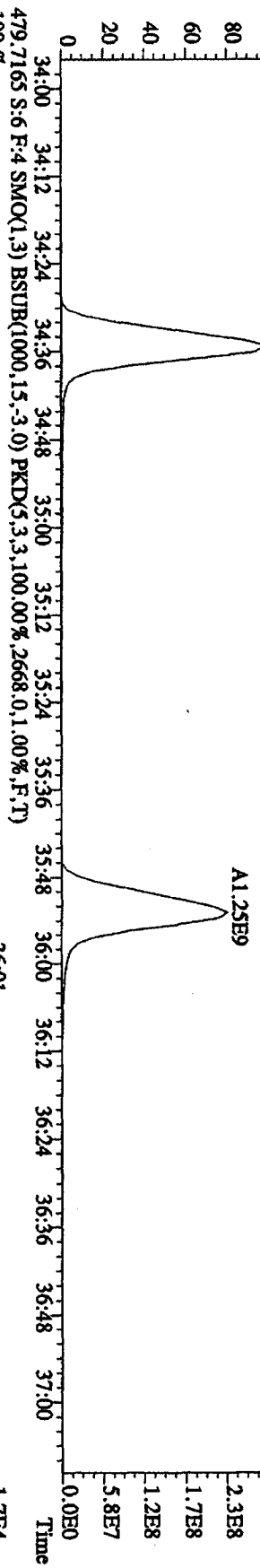
430.9728 S:6 F:4 SMO(1.3) PKD(5.3,3.100,0.0%,0.1,1.00%,F,T)



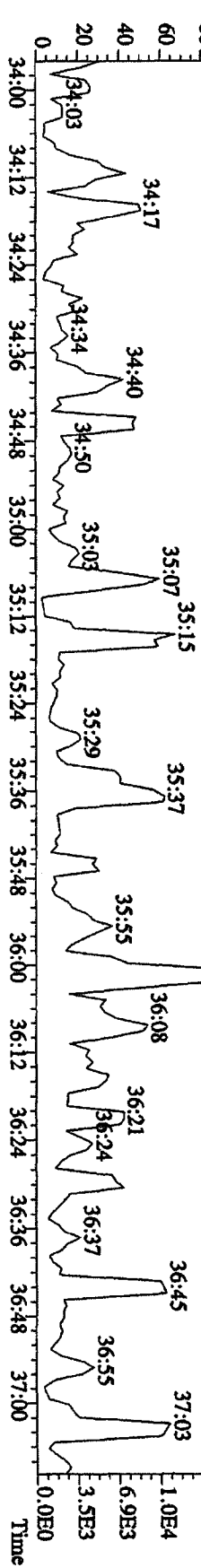
407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,34380,0.1,0.0%,F,T)



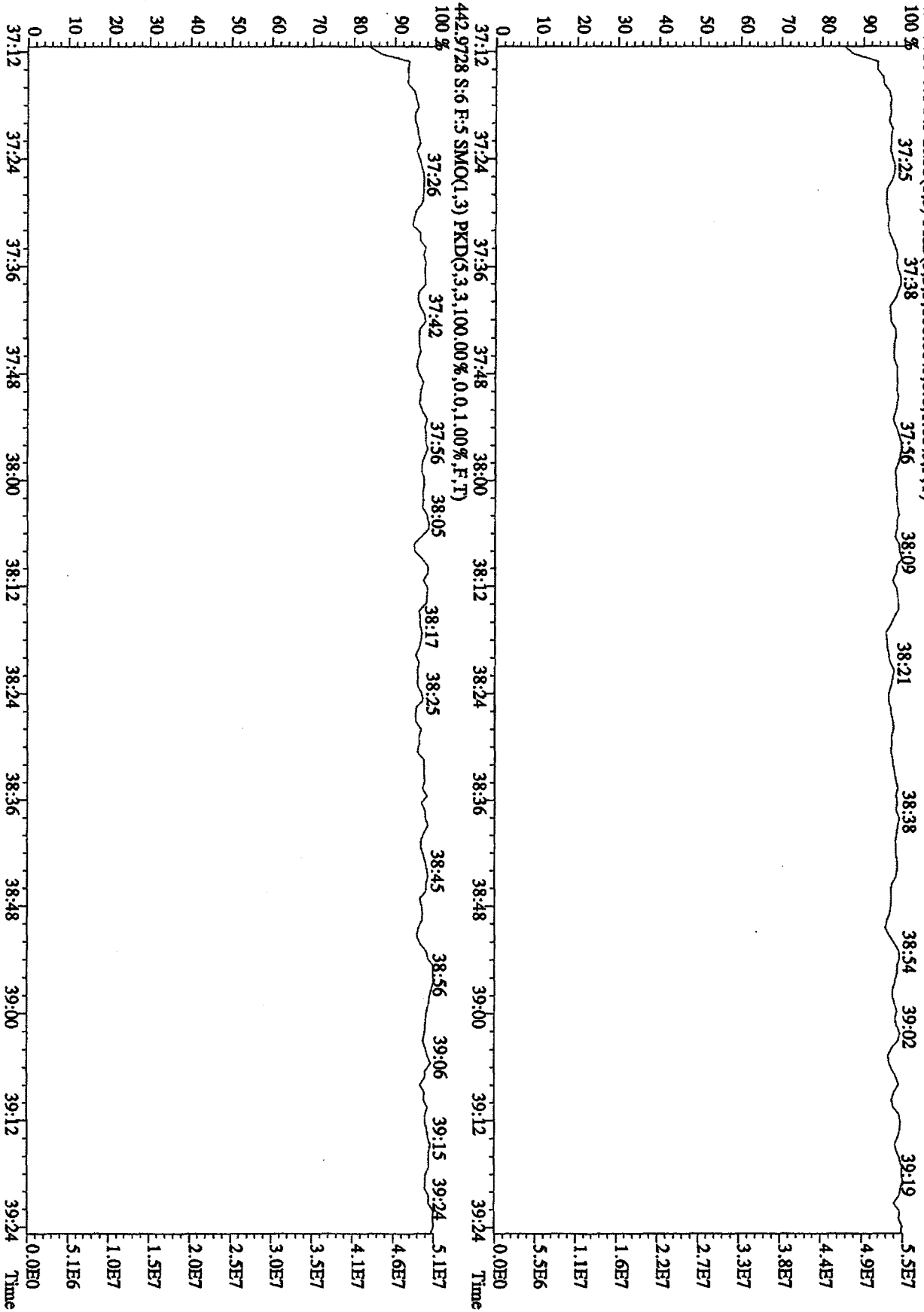
409.7789 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,57968,0.1,0.0%,F,T)



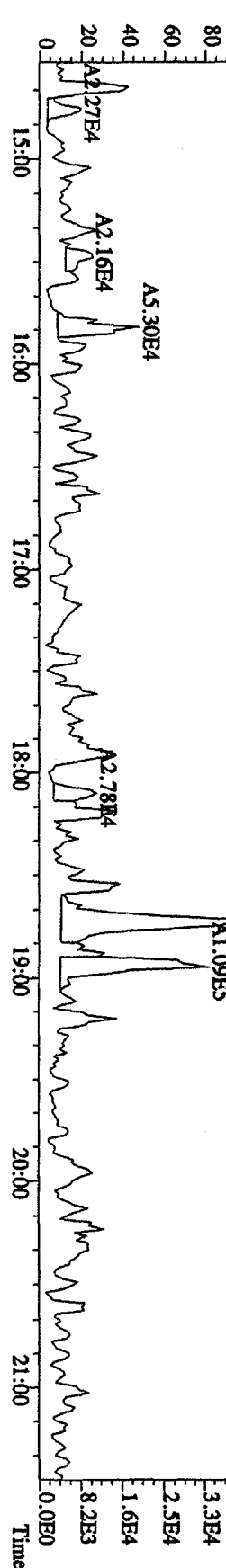
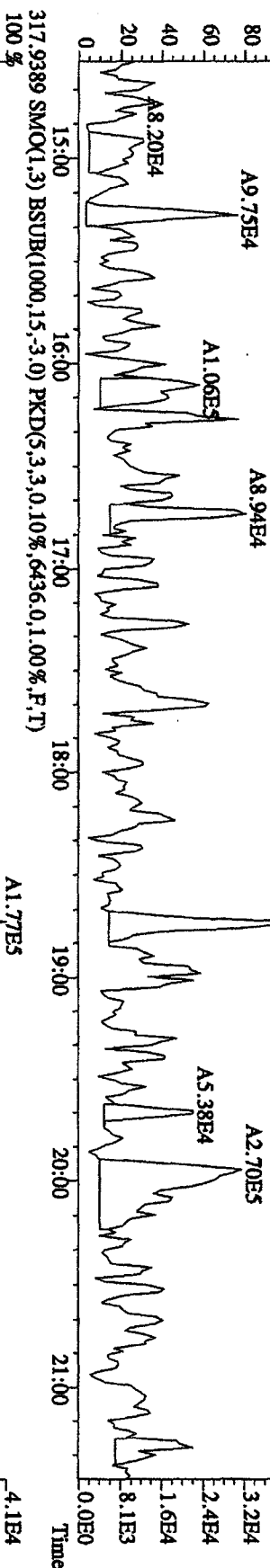
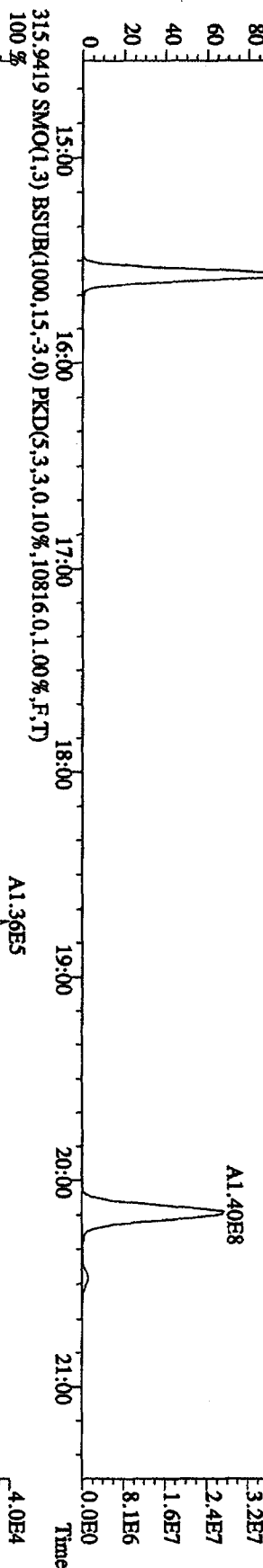
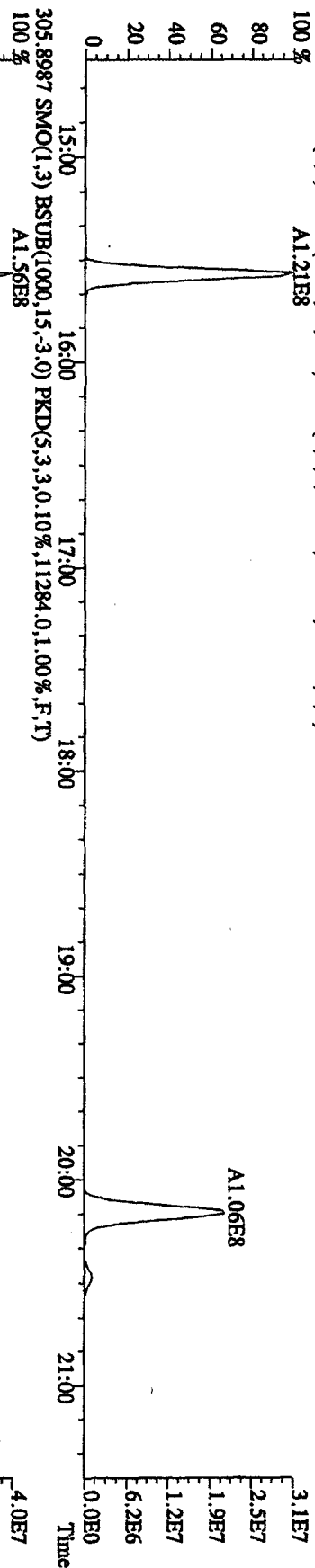
479.7165 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100,0.0%,2668,0.1,0.0%,F,T)



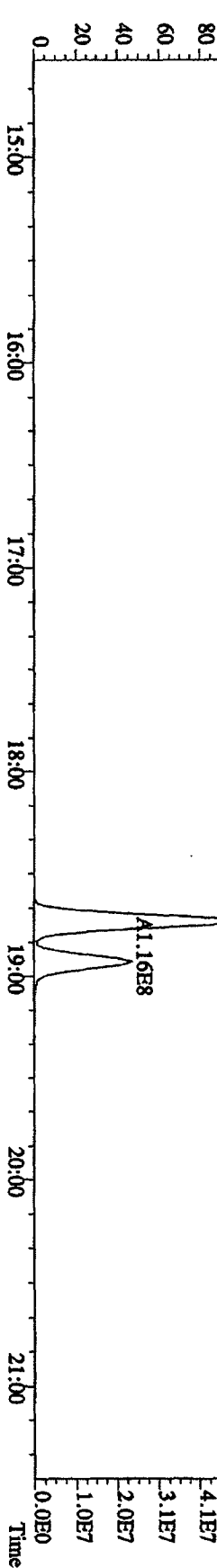
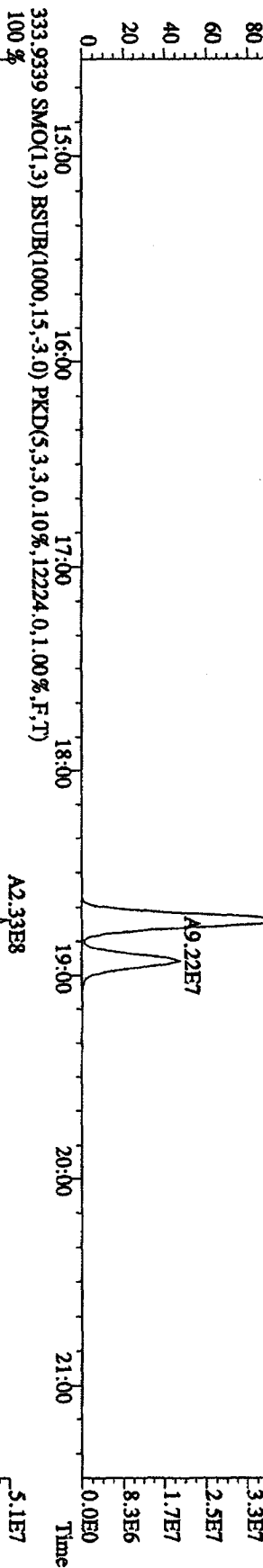
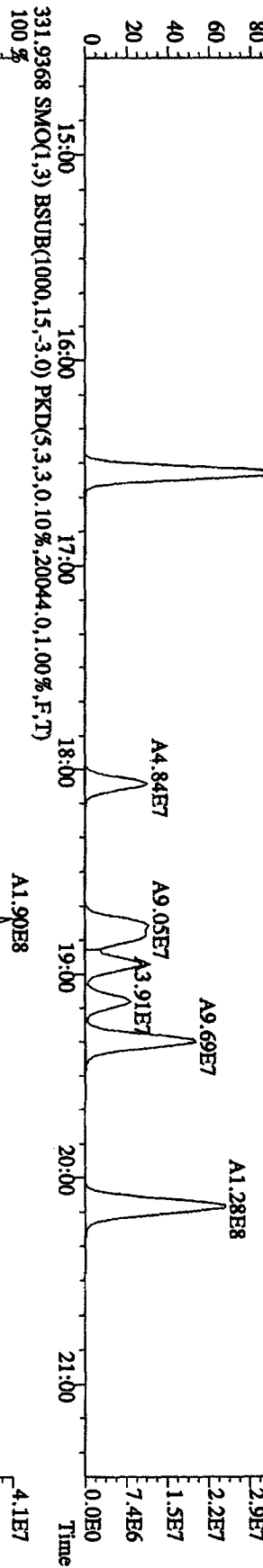
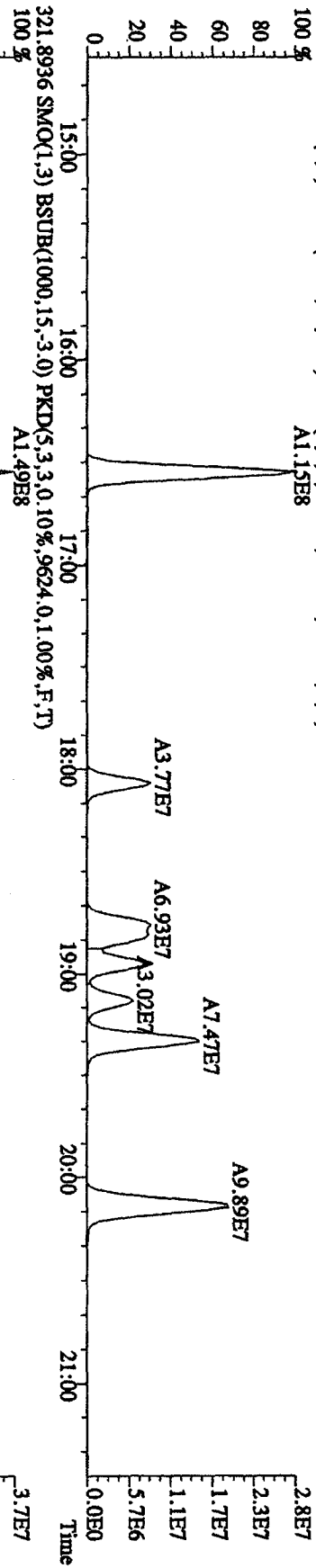
File:31DE09AIDS #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 454.9728 S:6 F:5 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)



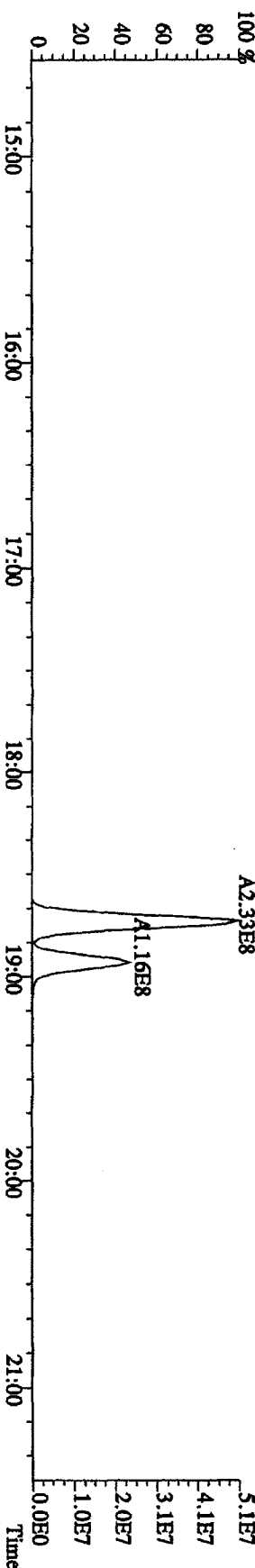
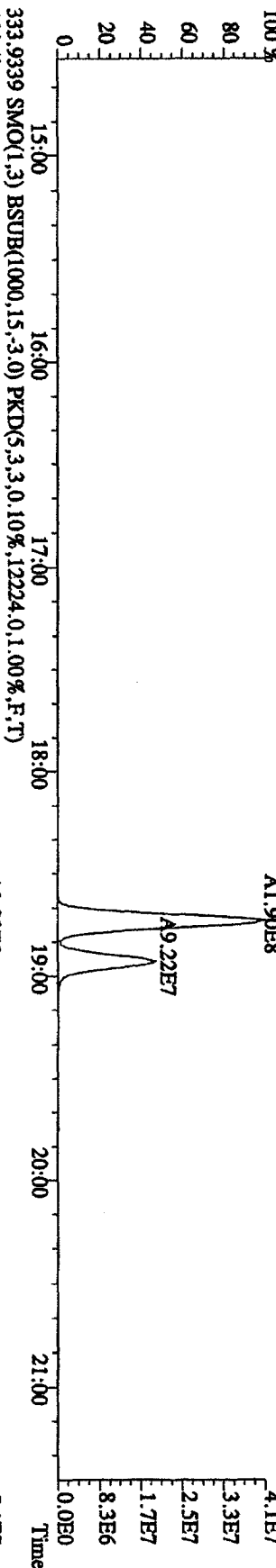
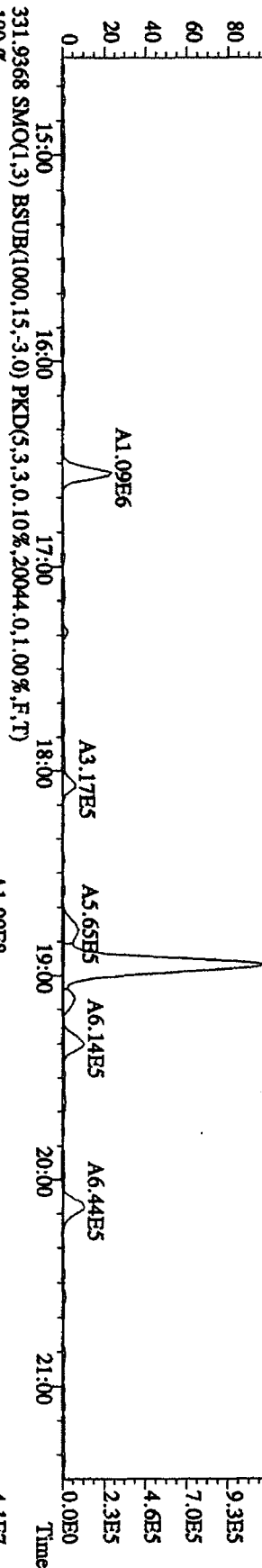
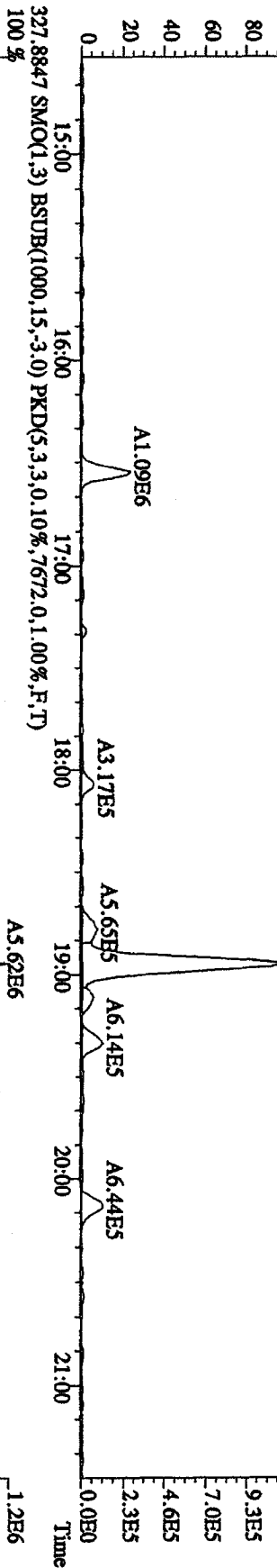
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI + Voltage SIR 70SE
 Sample#1 Tex:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 303,9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7492,0,1,00%,F,T)



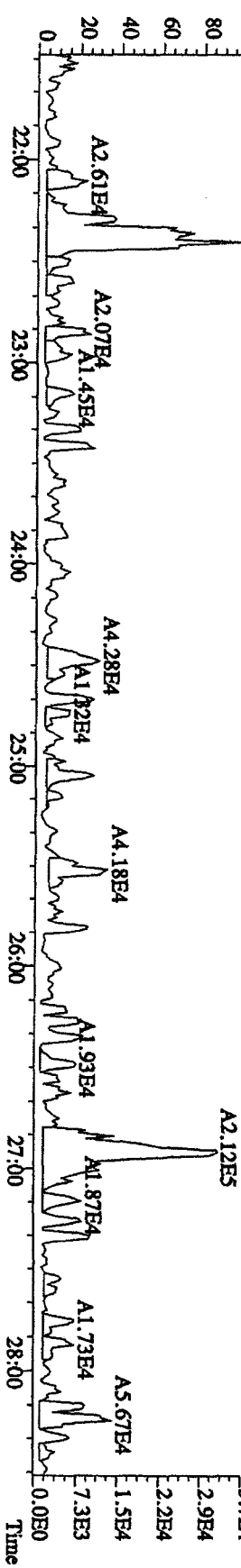
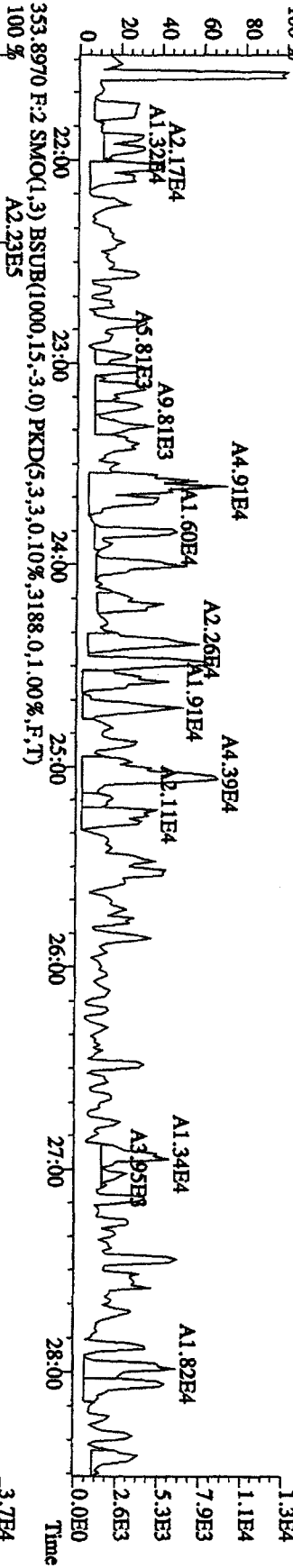
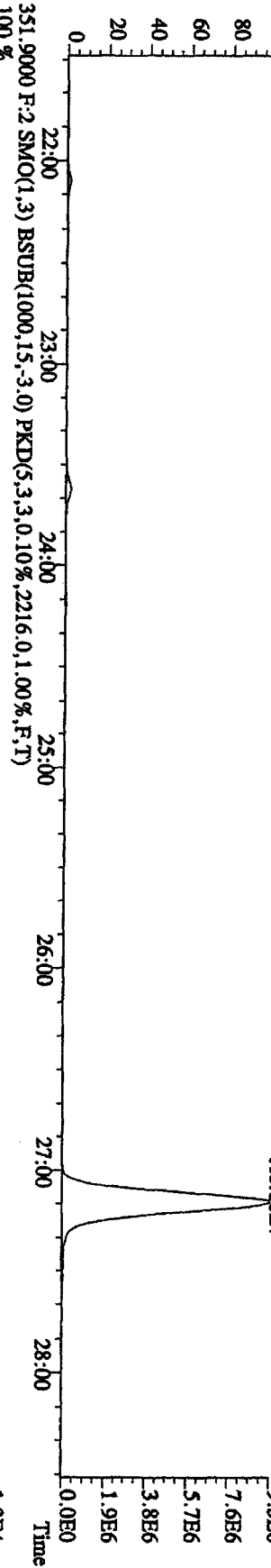
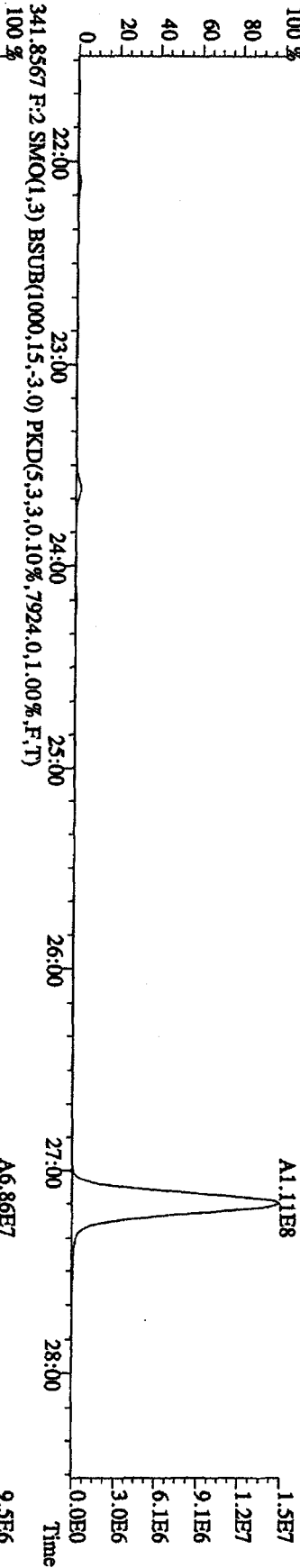
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CFSM 3732-04 Exp.:DIOXIN
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7364,0.1,00%,F,T)
 100 %



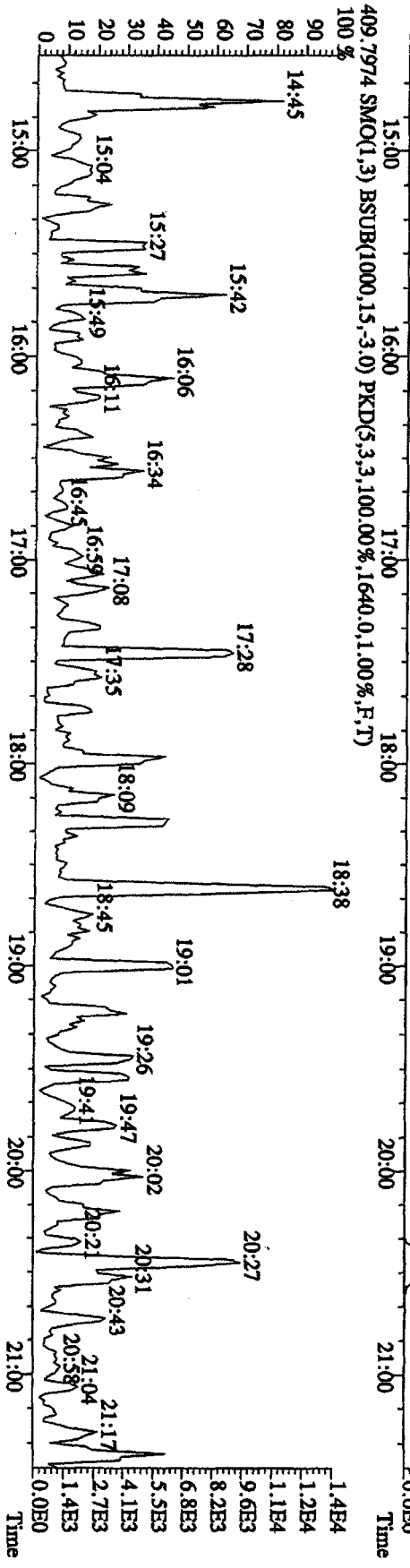
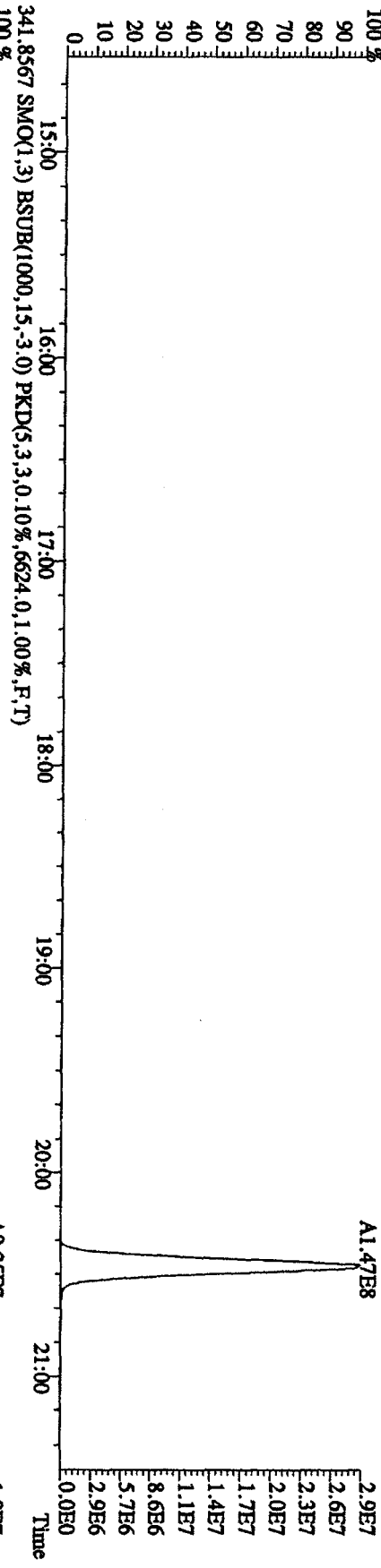
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 327.8847 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7672,0,1,00%,F,T)
 100 %



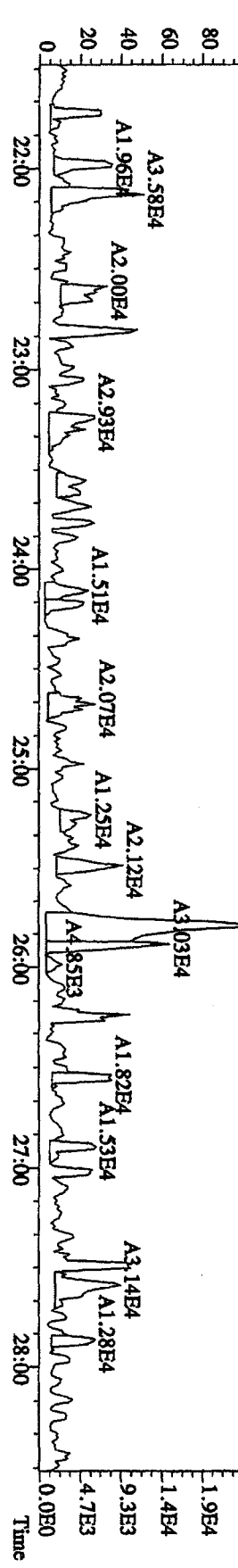
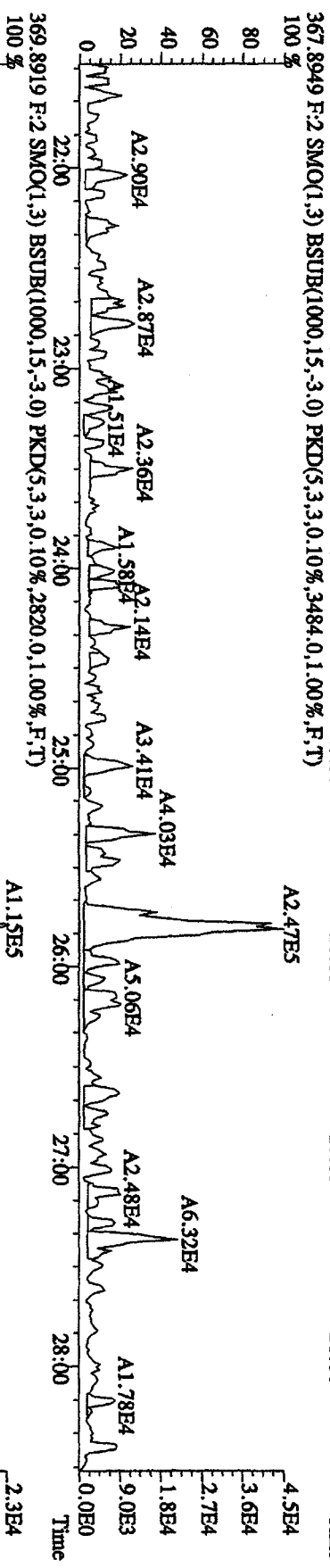
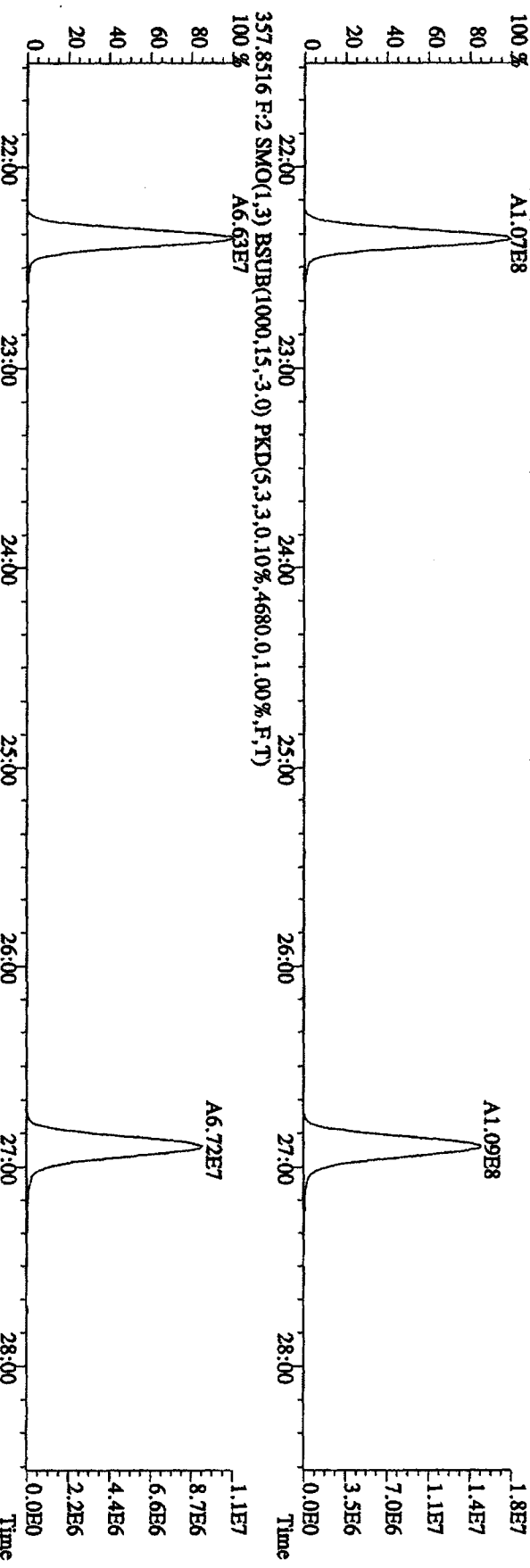
File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPM 3732-04 Exp:DIOXIN
 339.8597 F:2.SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6040,0,1.00%,F,T)



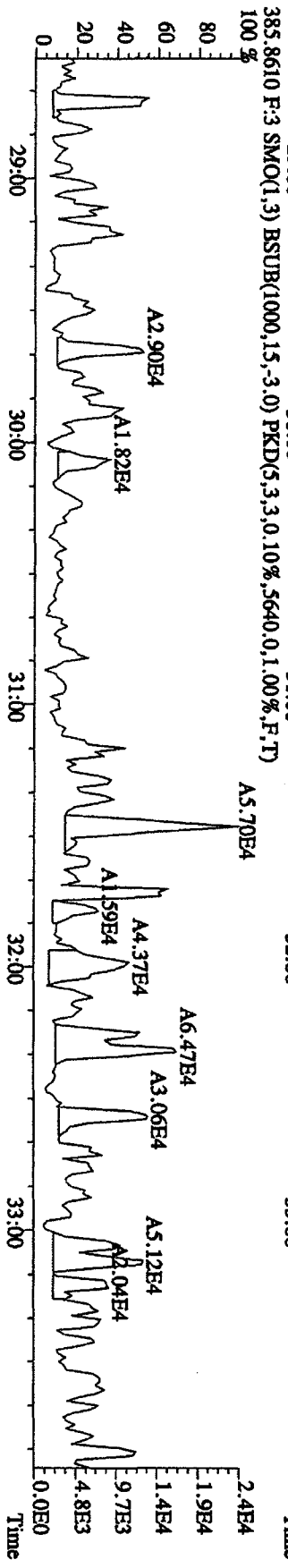
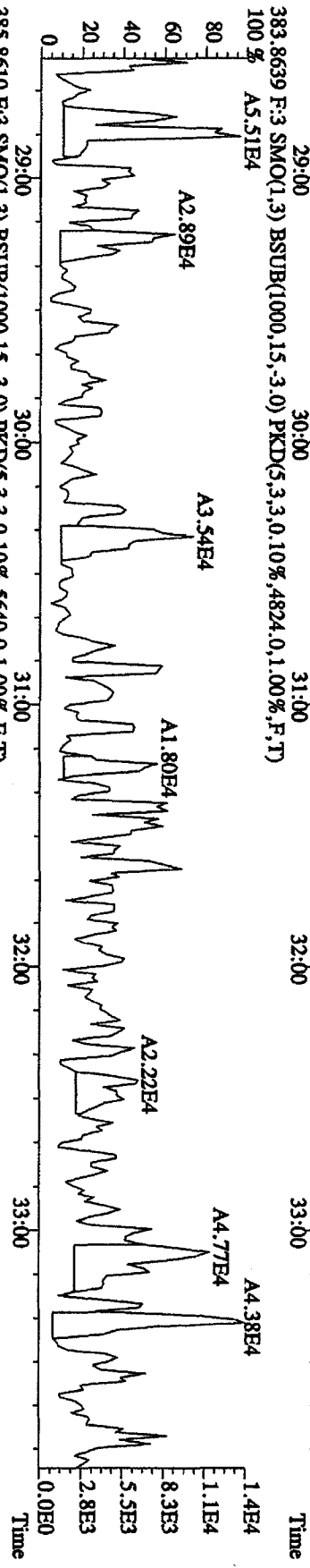
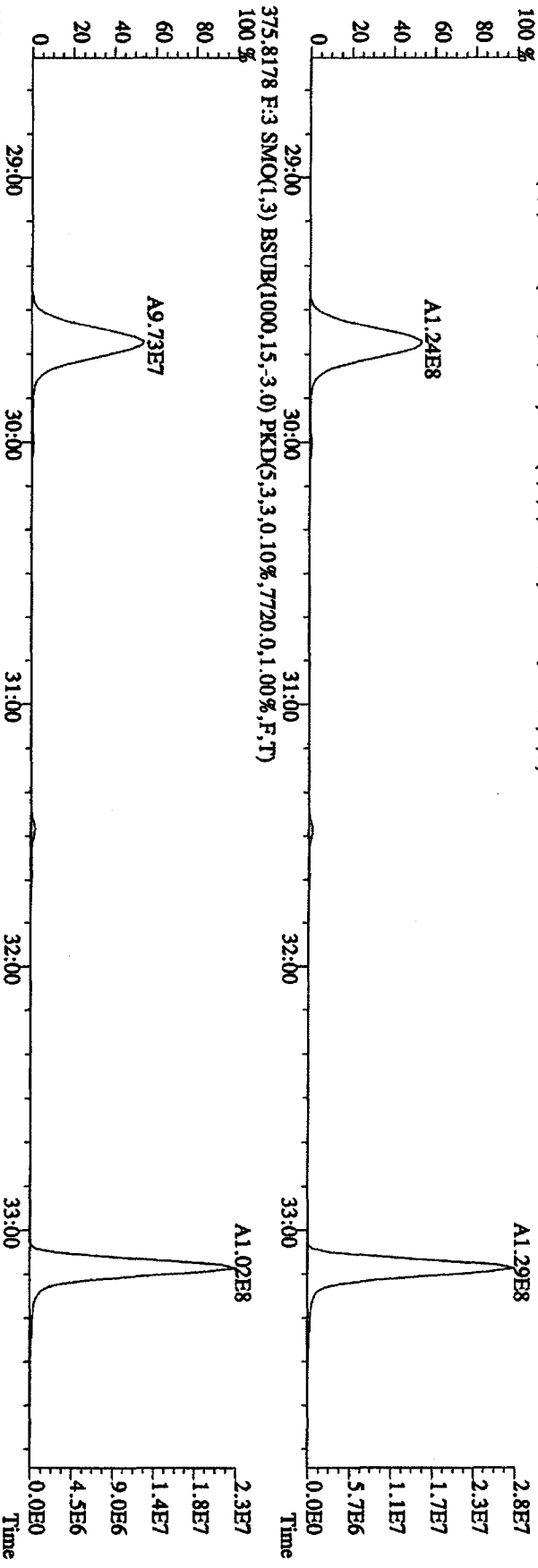
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPM 3732-04 Exp:DIOXIN
 339.8897 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4608.0,1.00%,F,T)



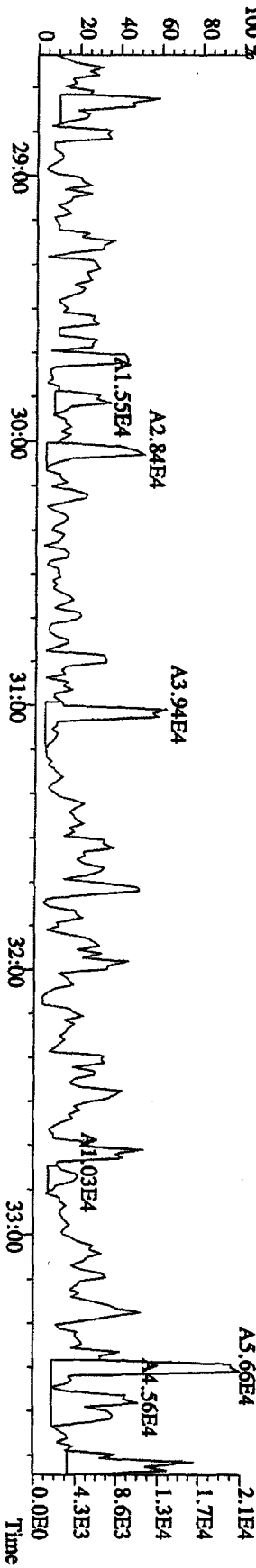
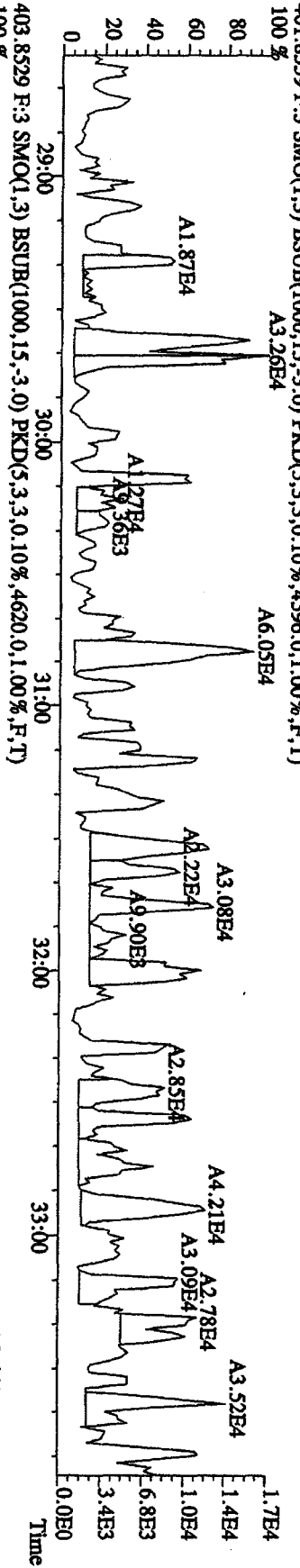
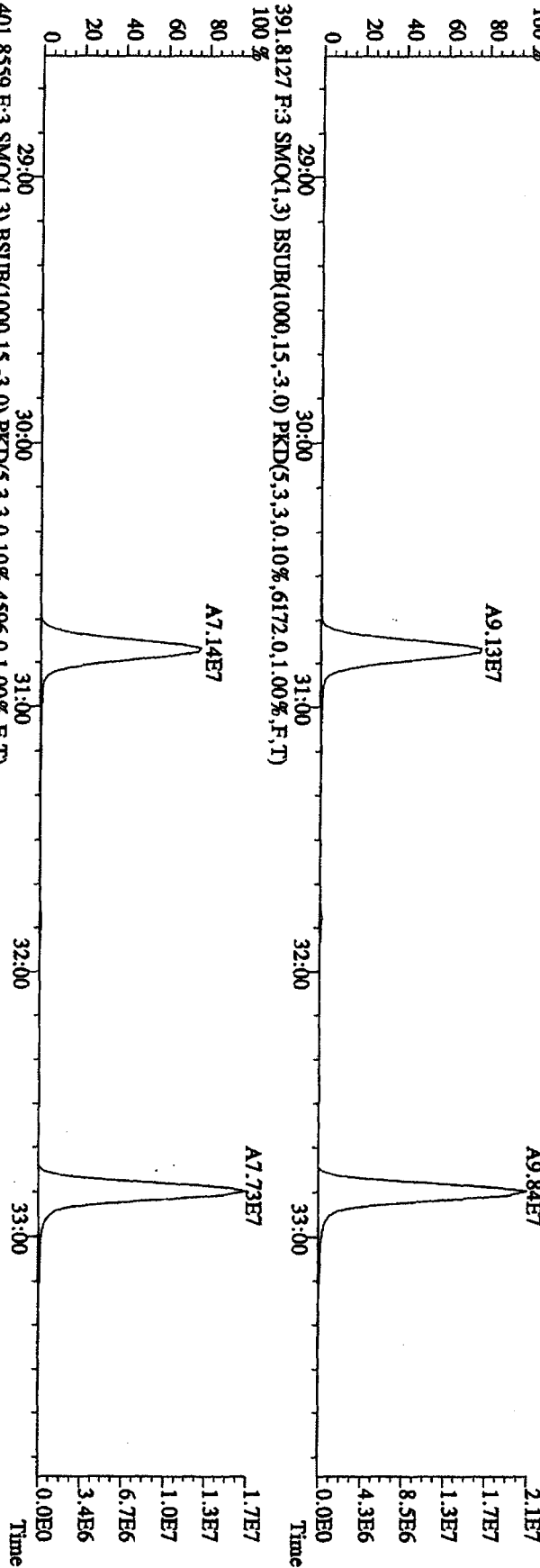
File:31DE09AID5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP9M 3732-04 Exp:DIOXIN
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.9928,0,1,00%,F,T)
 100 %



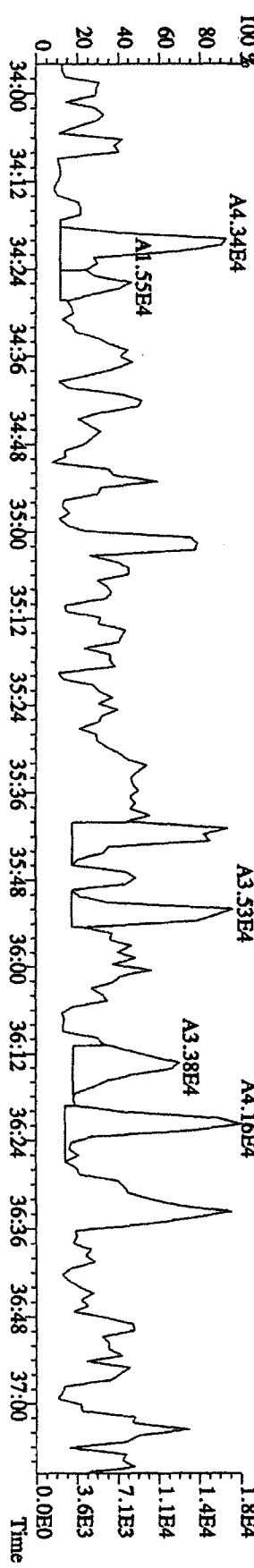
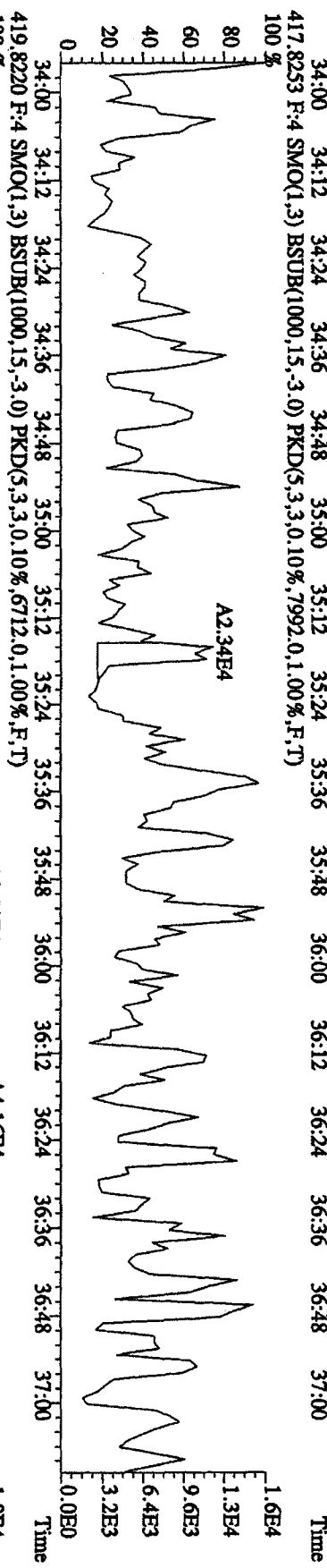
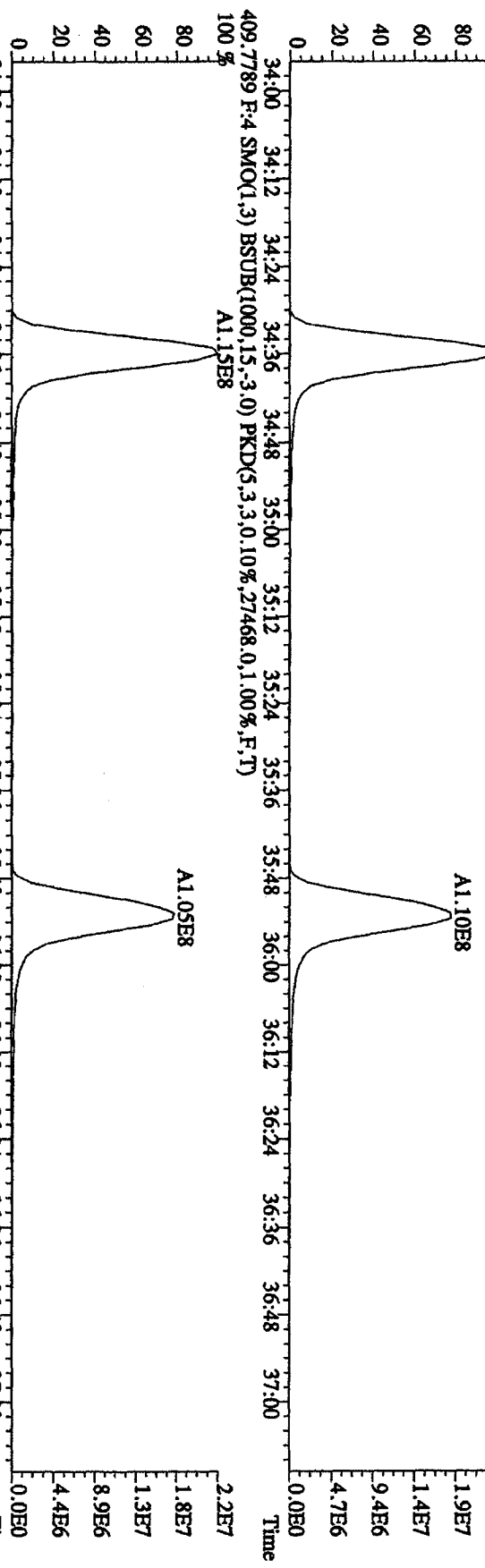
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp.:DIOXIN
 373,8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,16148,0,1,00%,F,T)



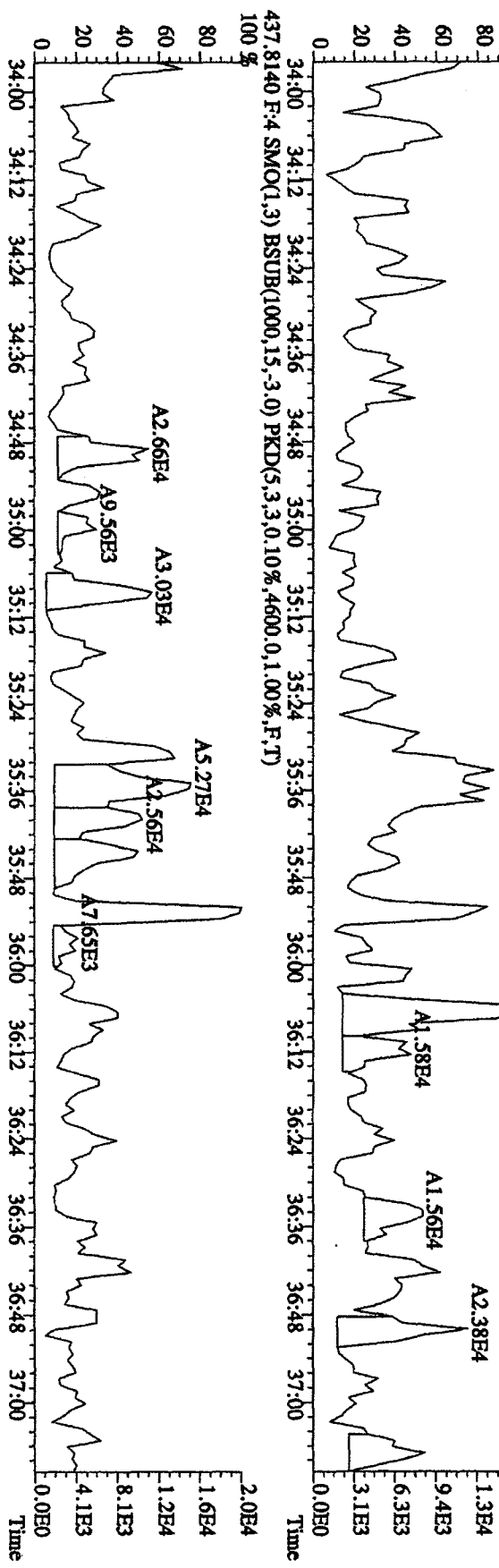
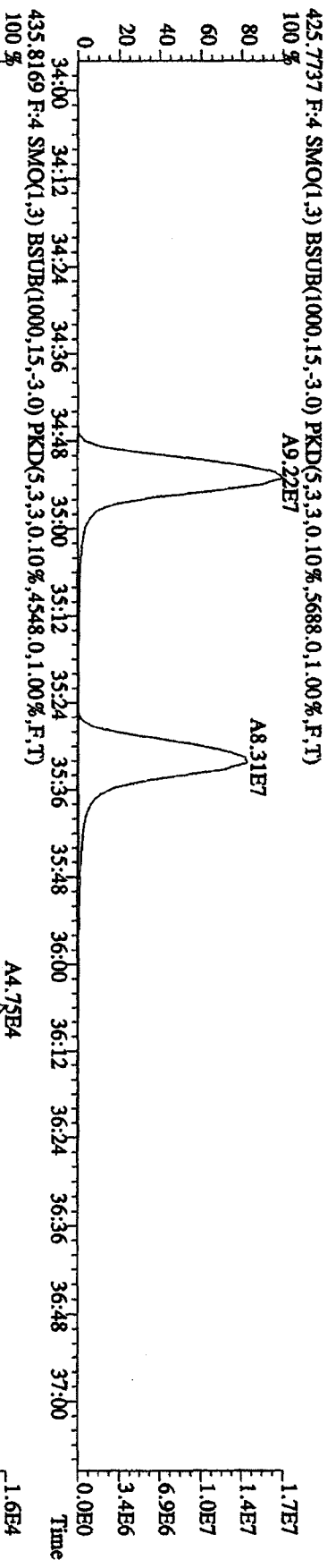
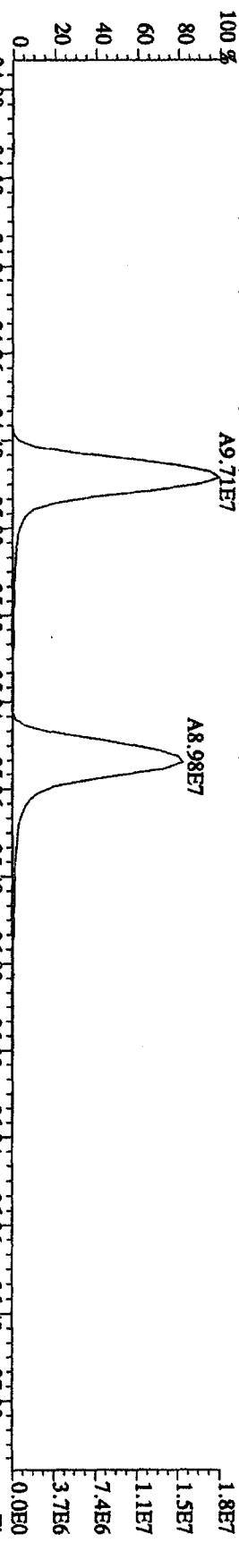
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CFSM 3732-04 Exp:DIOXIN
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9424,0.1,00%,F,T)



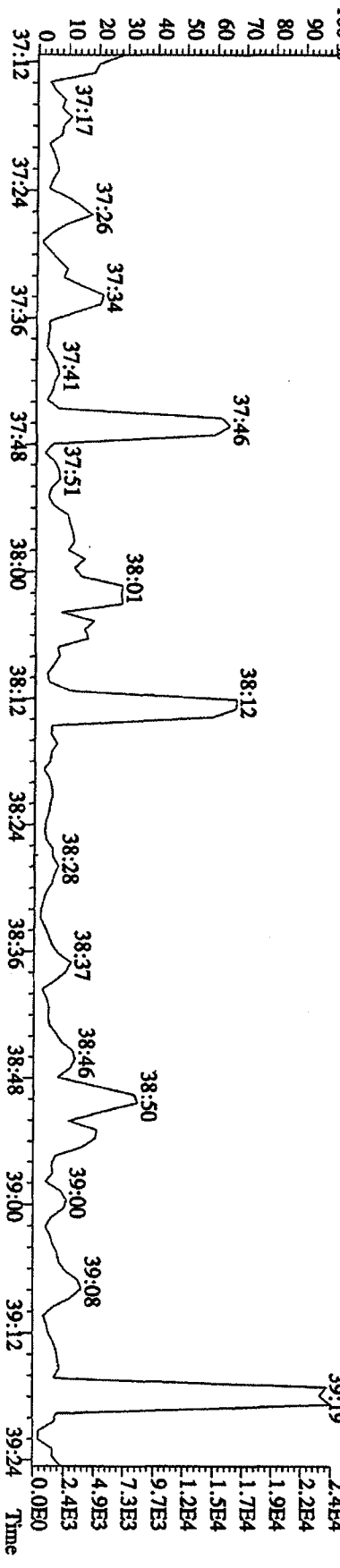
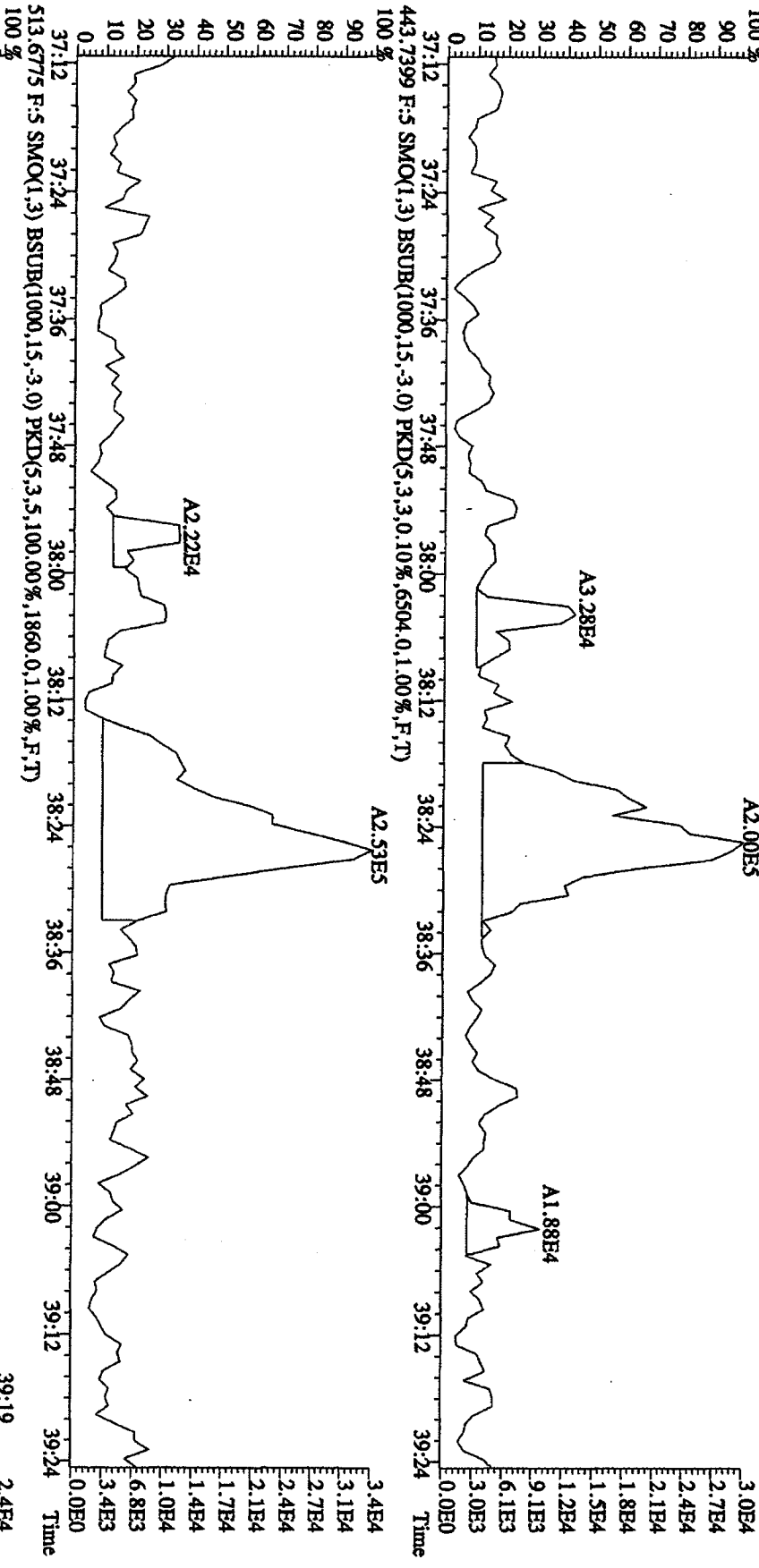
File: 31DE09A1D5 #1-228 Acq: 31-DEC-2009 23:25:43 GC EI + Voltage SIR 70SE
 Sample#1 Text: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27224,0,1.00%,F,T)
 100 % A1.20E8



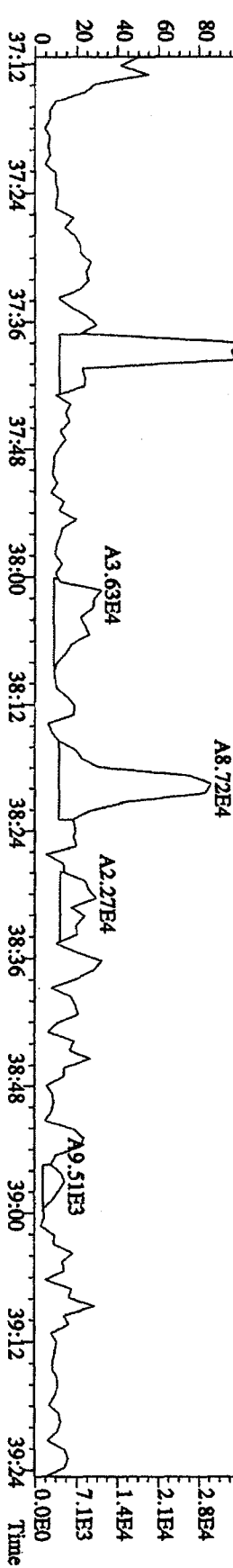
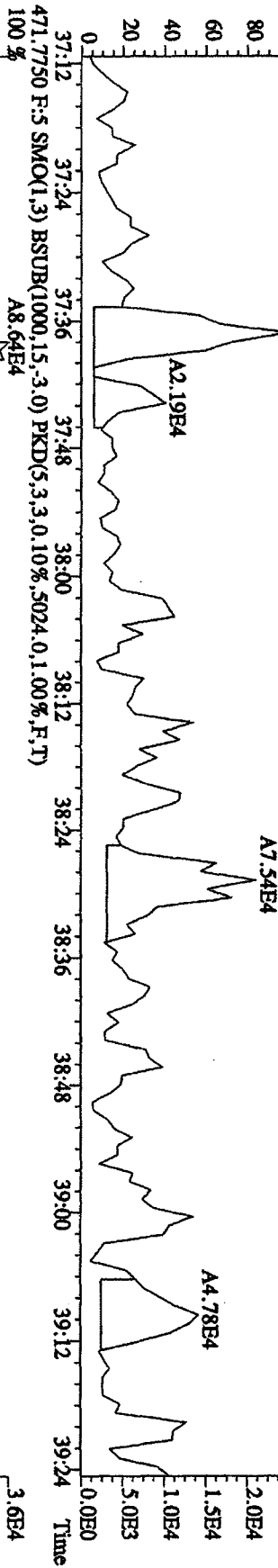
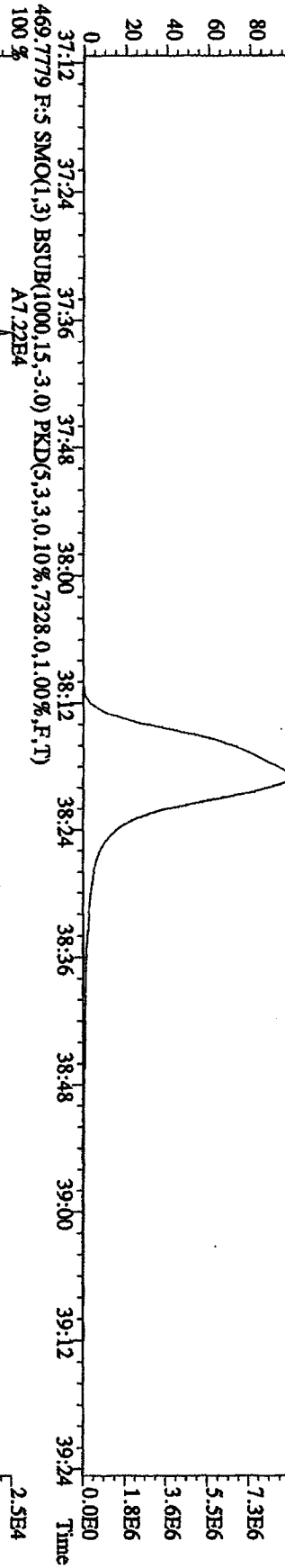
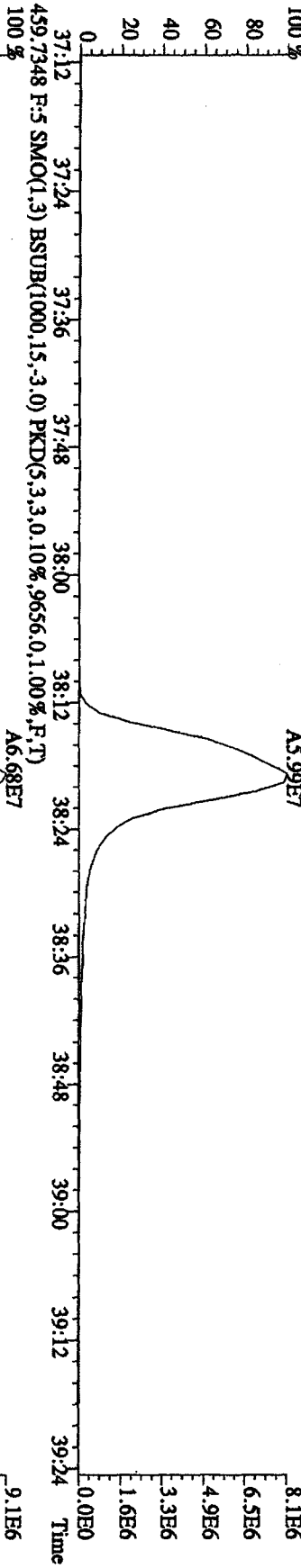
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732.04 Exp.:DIOXIN
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8844,0,1,00%,F,T)
 100 %



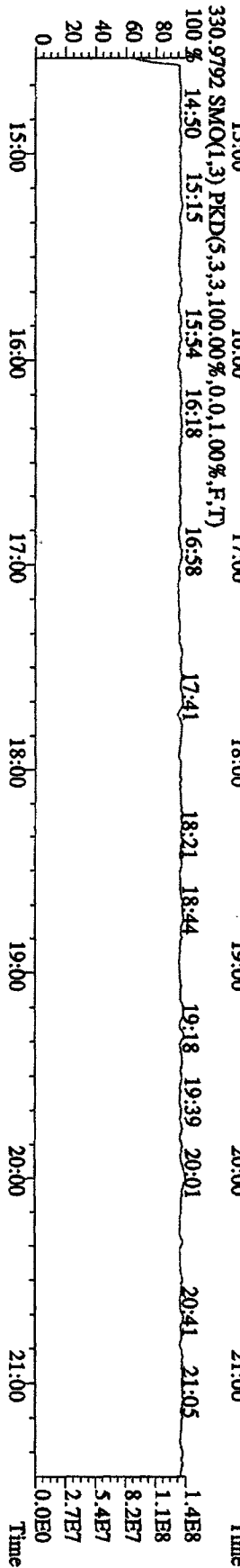
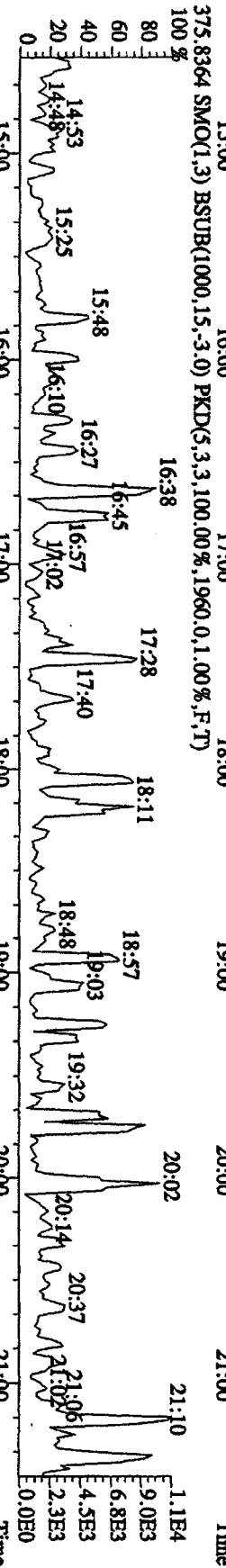
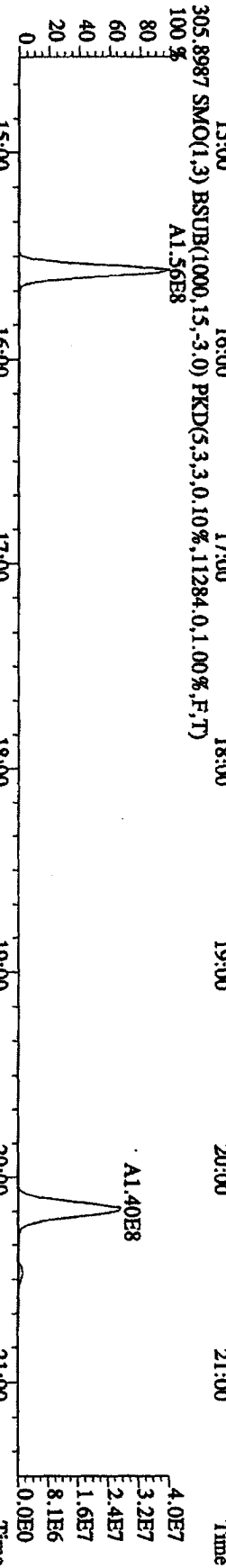
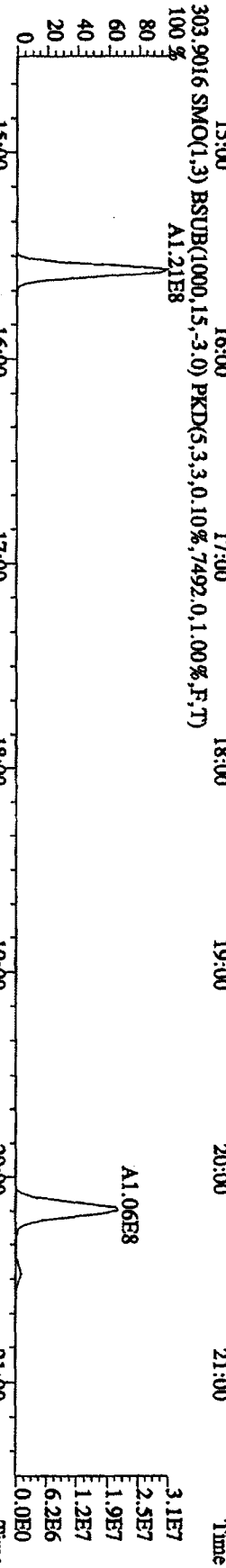
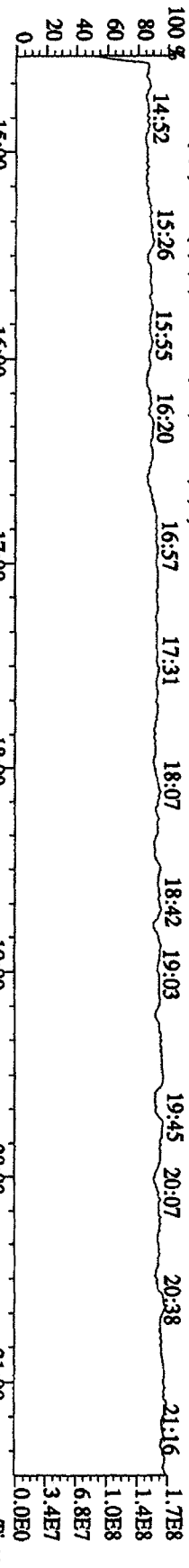
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6504,0,1,00%,F,T)



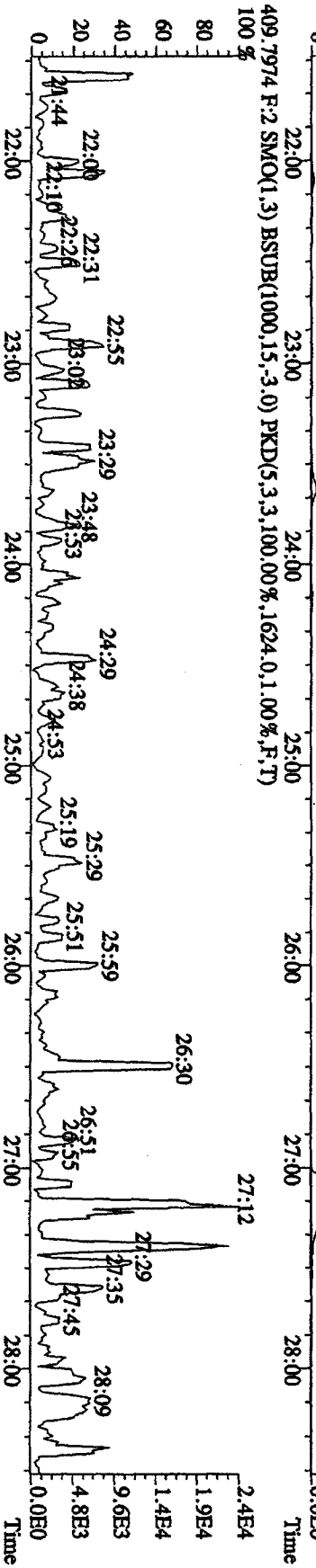
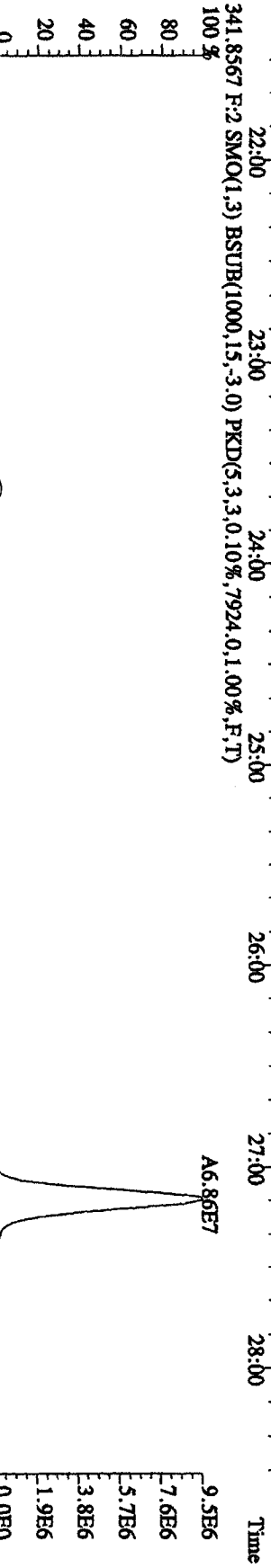
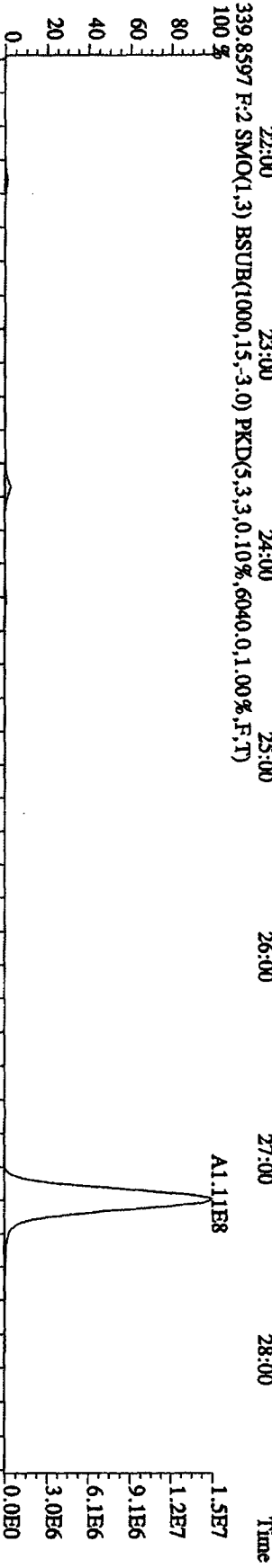
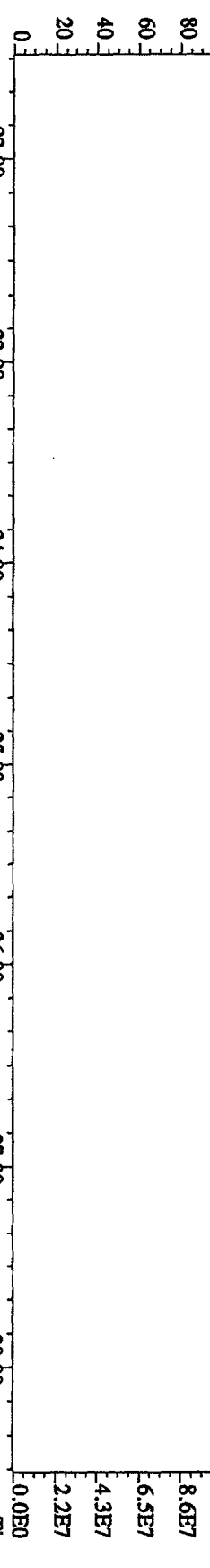
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DI0XIN
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7308,0.1,00%,F,T)
 100%



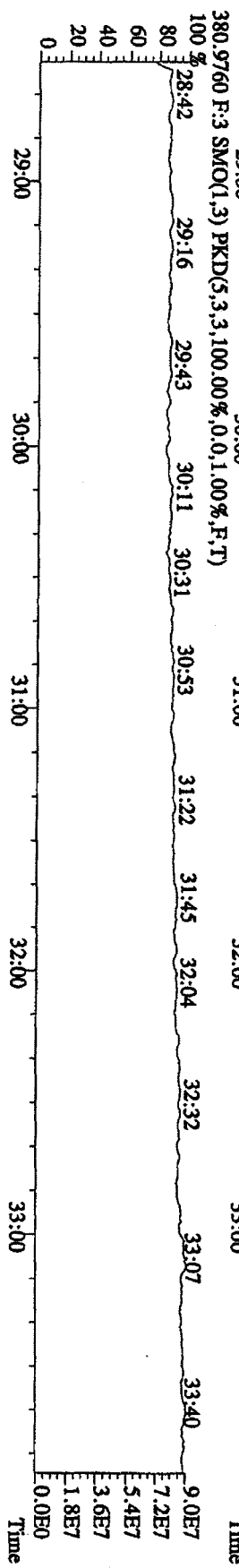
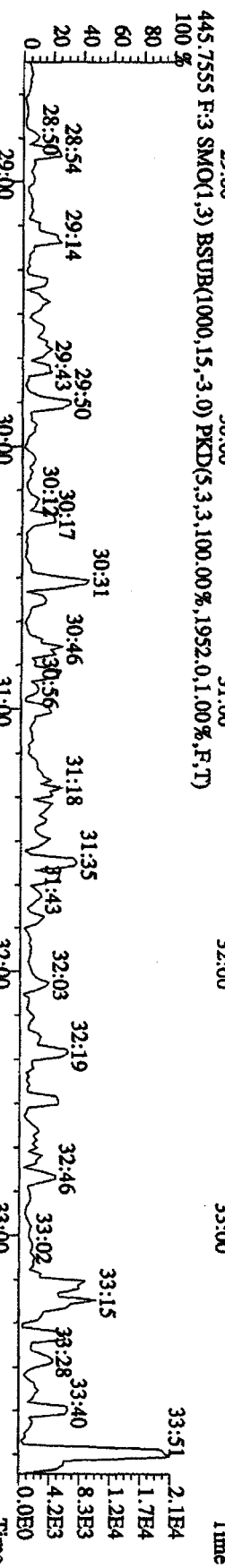
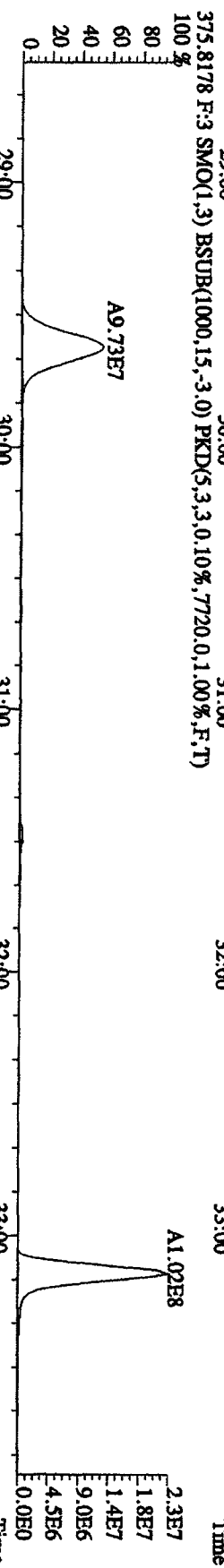
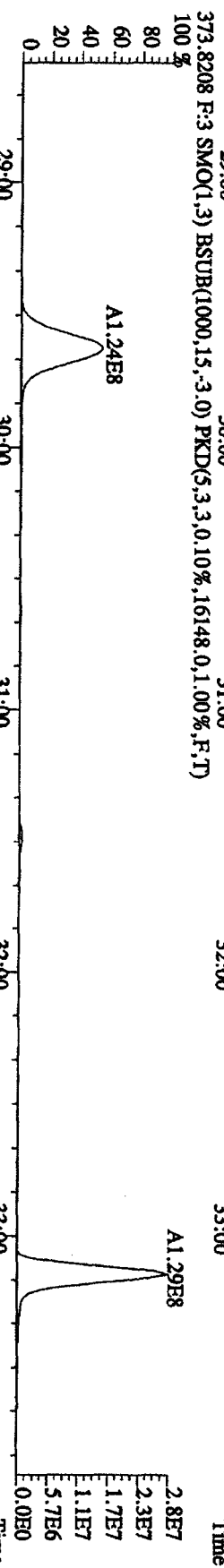
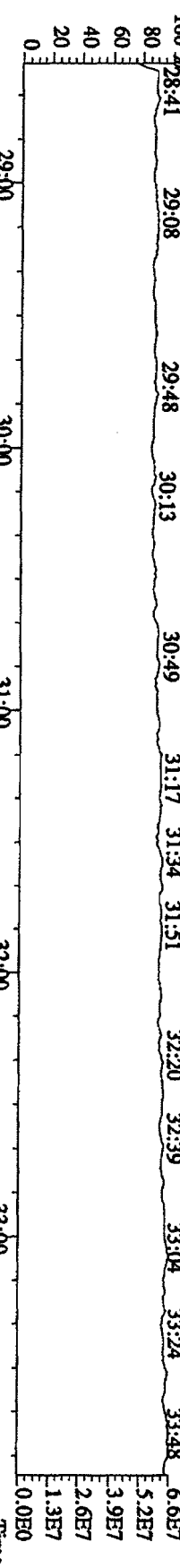
File: 31DEB9A1D5 #1-410 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Tert: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN
 292.9825 SMO(1.3) PKD(5.3,5,100.00%,0.0,1.00%,F,T)



File: 31DBE09AID5 #1-496 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP1231A :DB-5 CP5M 3732-04 Exp: DIOXIN
 342.9792 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 22:14 22:55 23:31 24:03 24:29 24:56 25:34 26:09 26:40 27:23 27:50 28:29



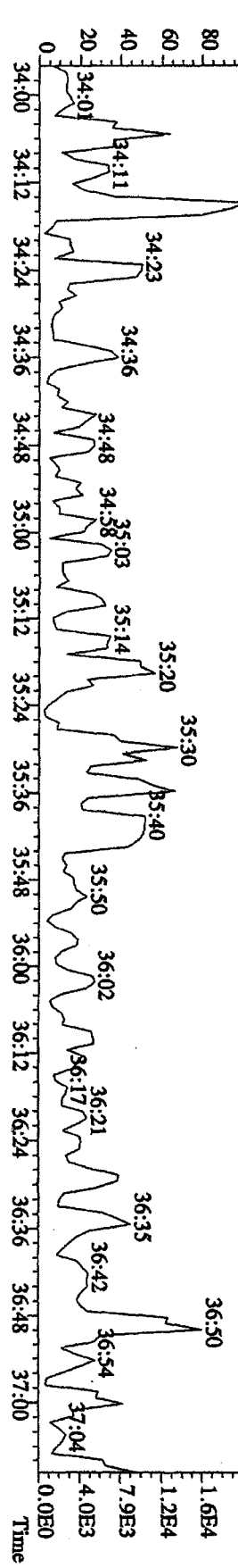
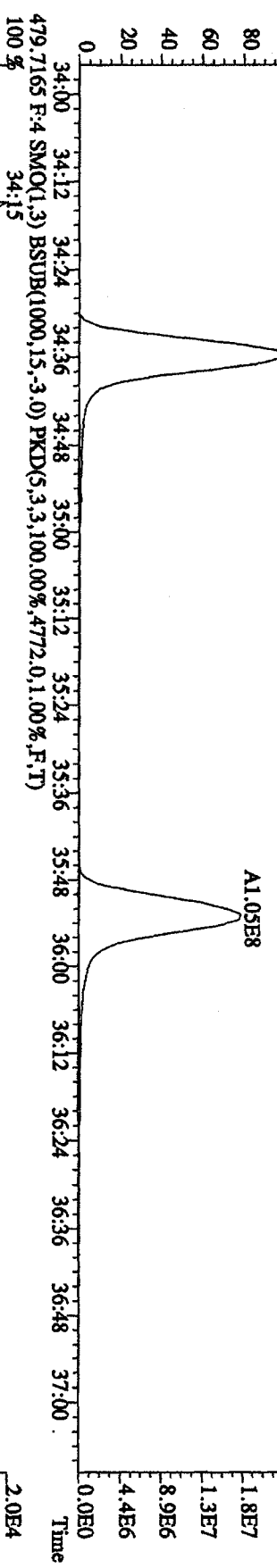
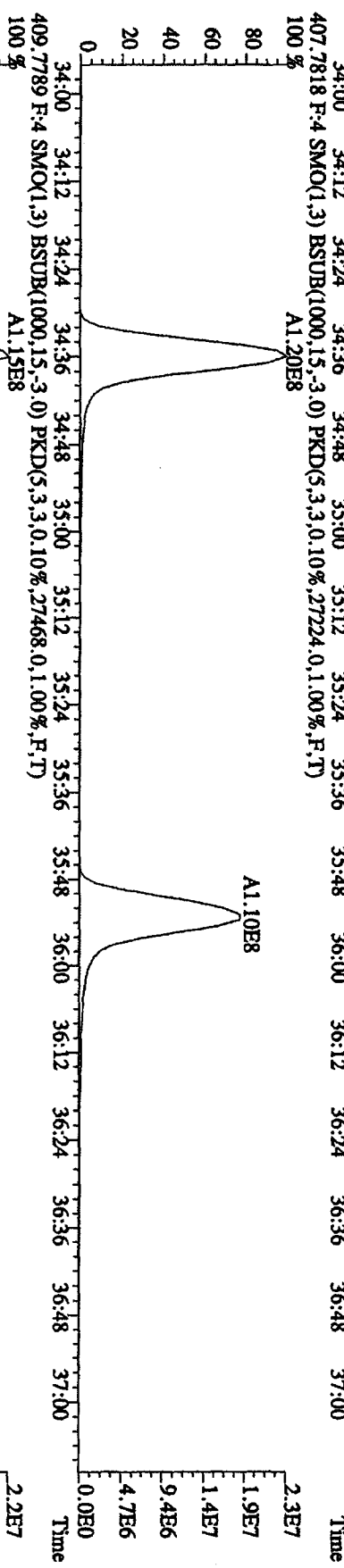
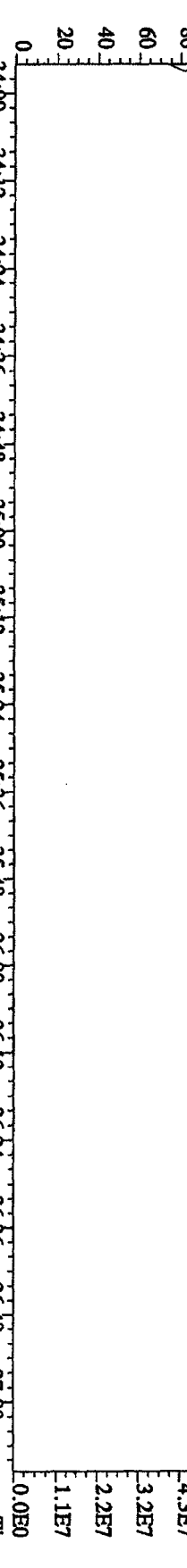
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DIOXIN
 392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



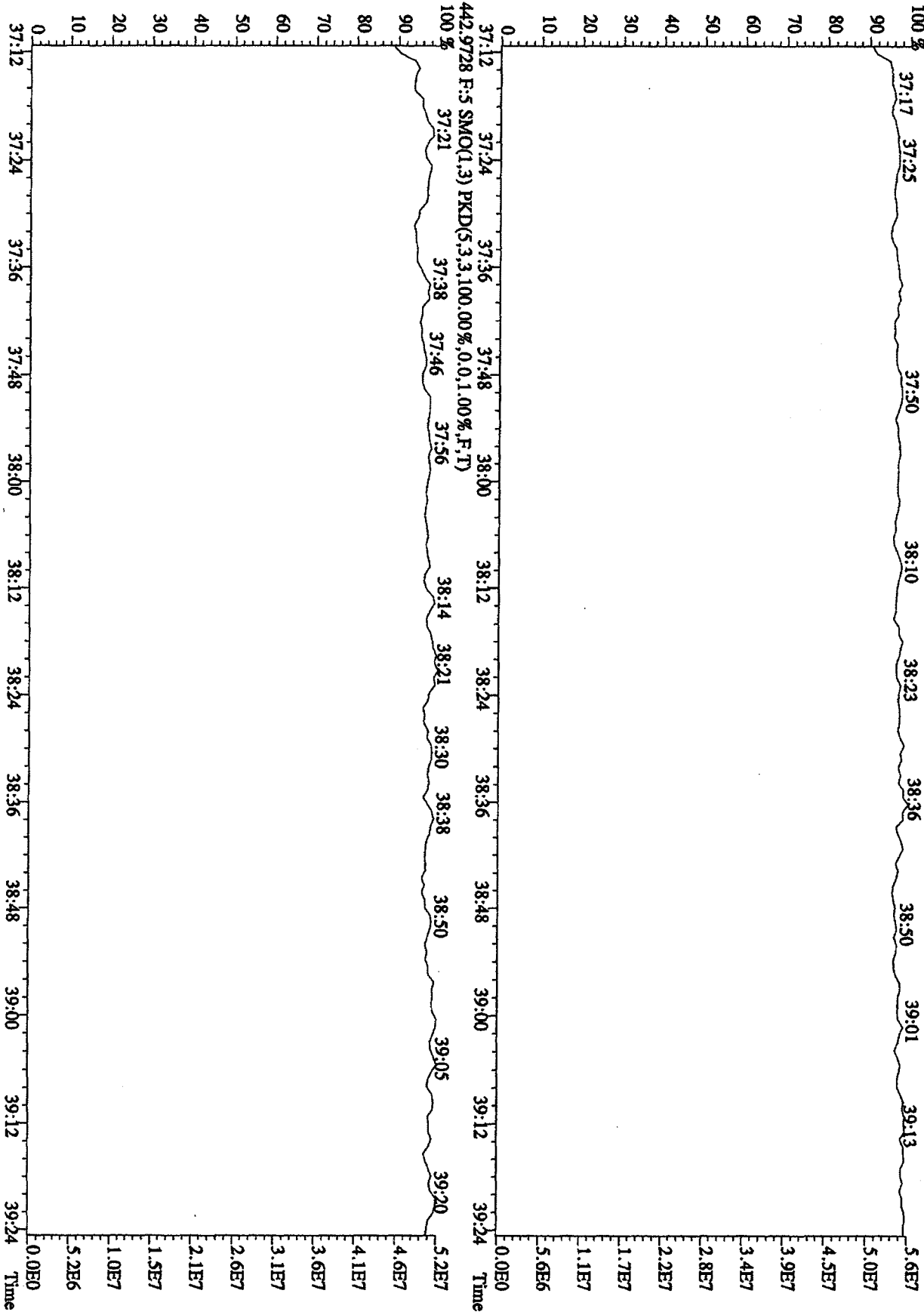
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DIOXIN

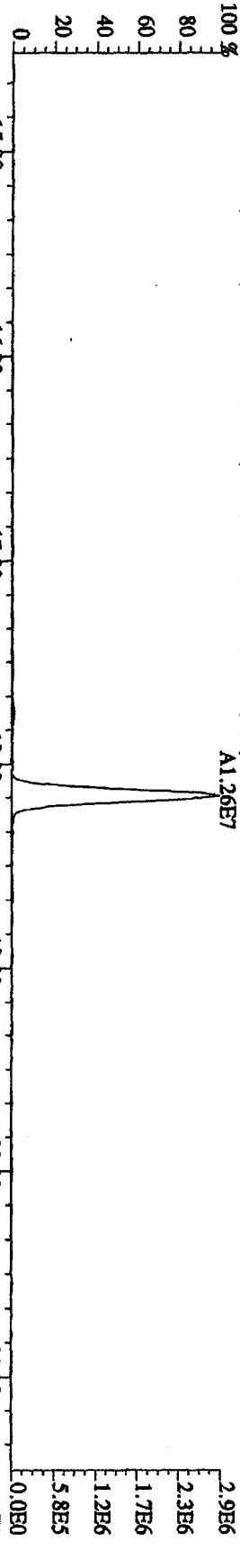
430.9728 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)



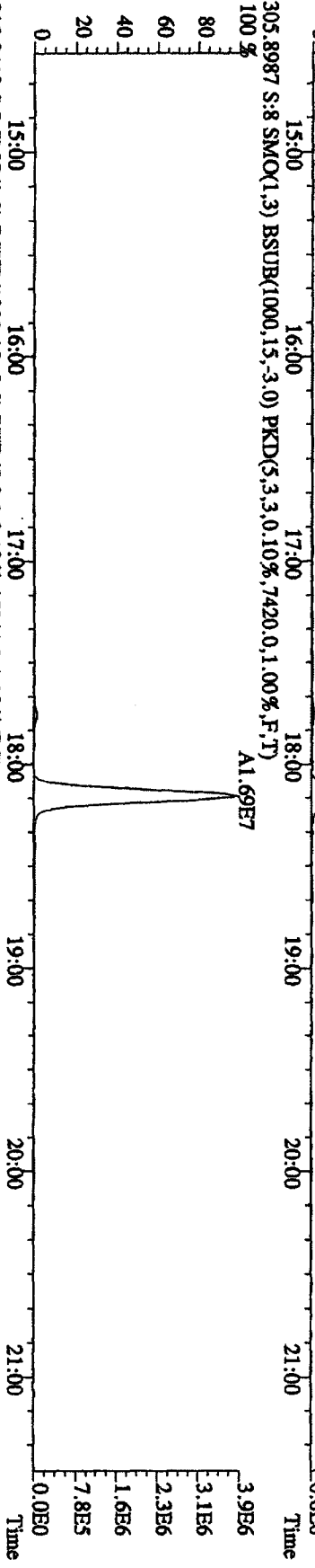
File: 31DE09AID5 #1-161 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample #1 Text: CP1231A : DB-5 CPSM 3732-04 Exp: DIOXIN
 454.9728 F: 5 SMO(1.3) PKD(5.3, 3.100, 0.00%, 0.0, 1.00%, F, T)



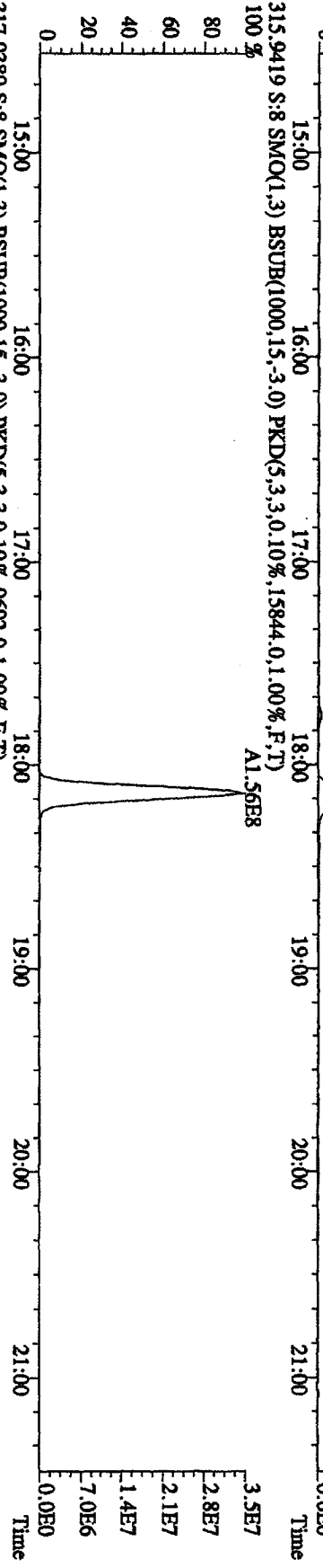
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN
303,9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6072,0,1,00%,F,T)
100 %



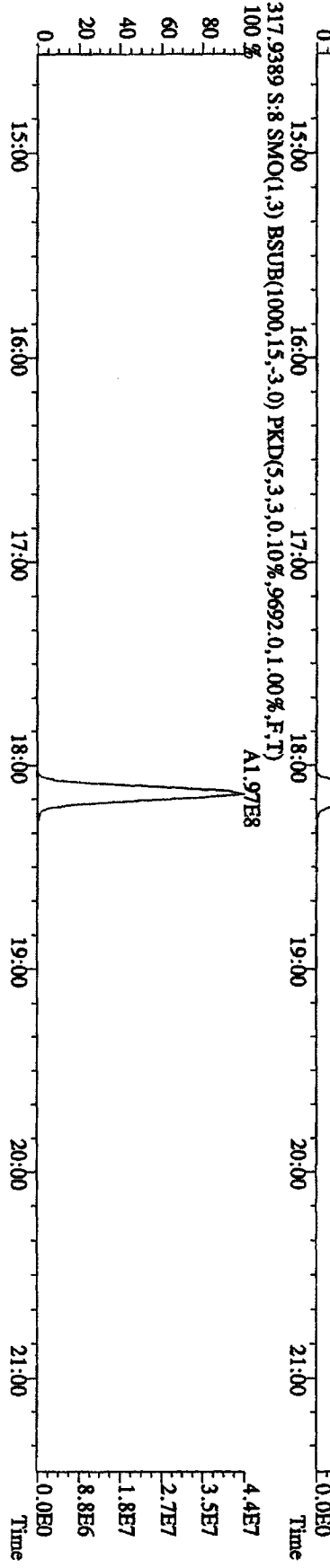
305,8987 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7420,0,1,00%,F,T)
100 %



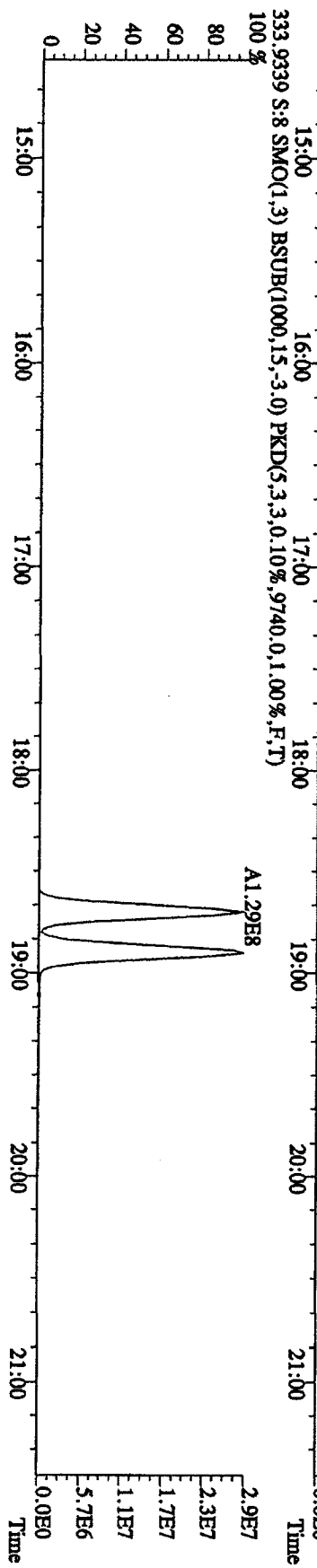
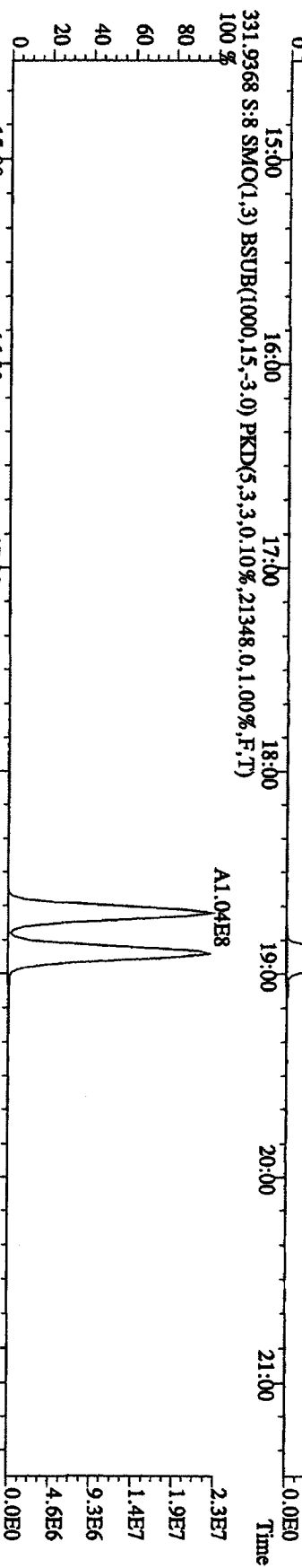
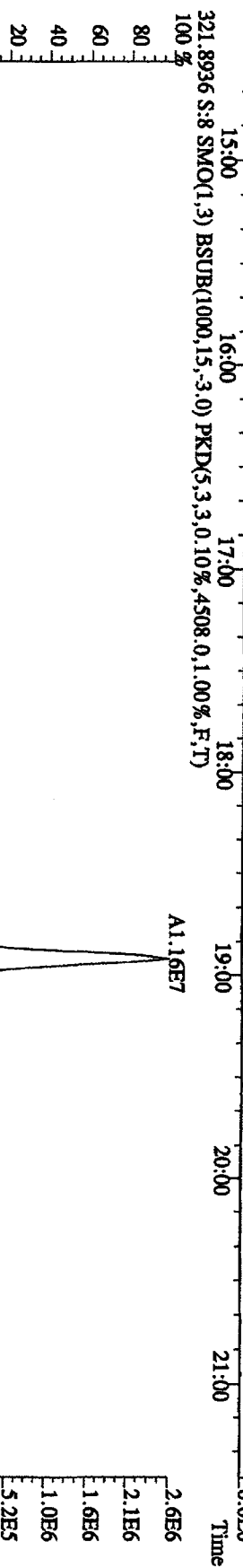
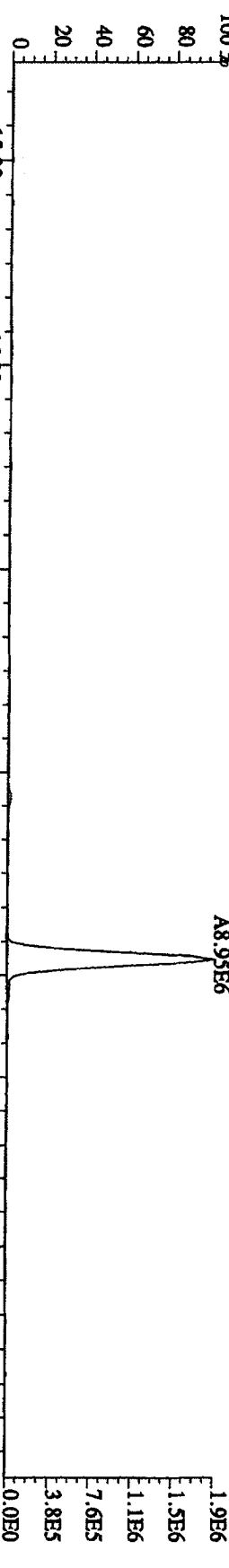
315,9419 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15844,0,1,00%,F,T)
100 %



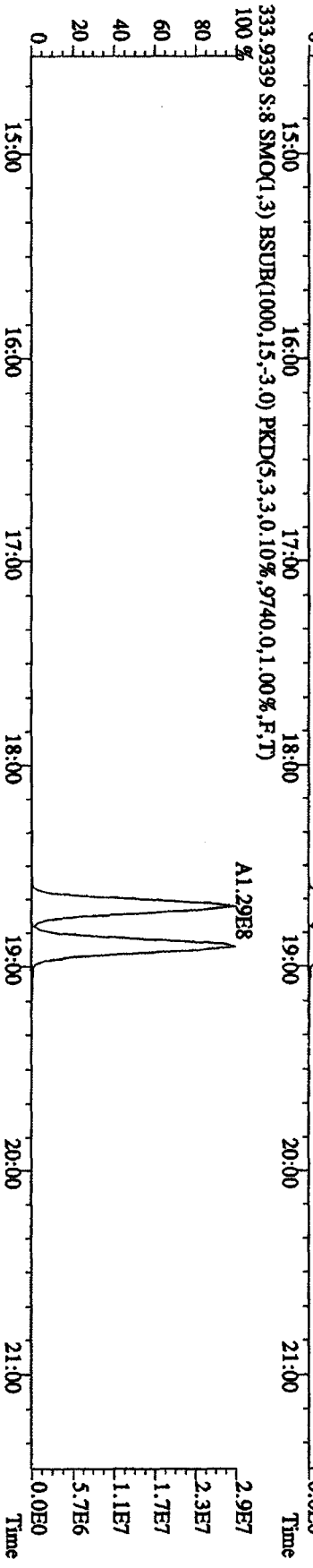
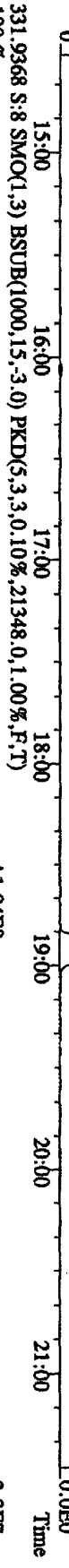
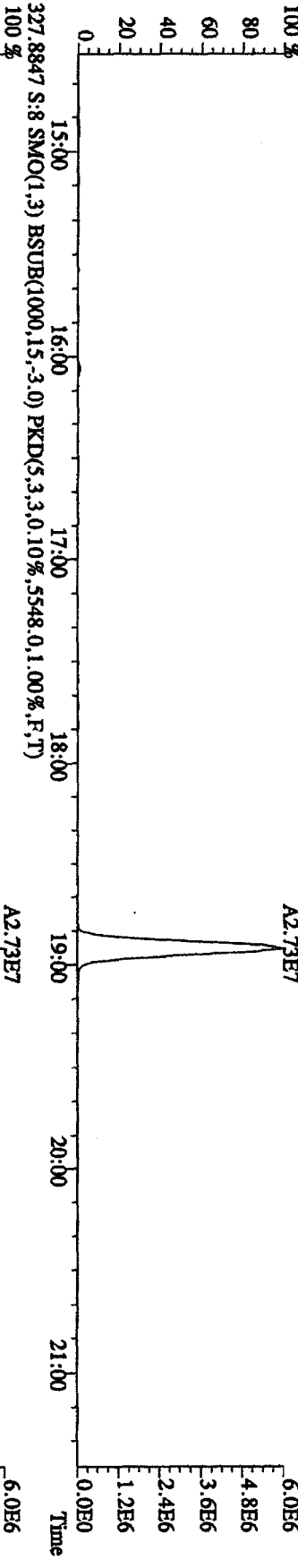
317,9389 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9692,0,1,00%,F,T)
100 %



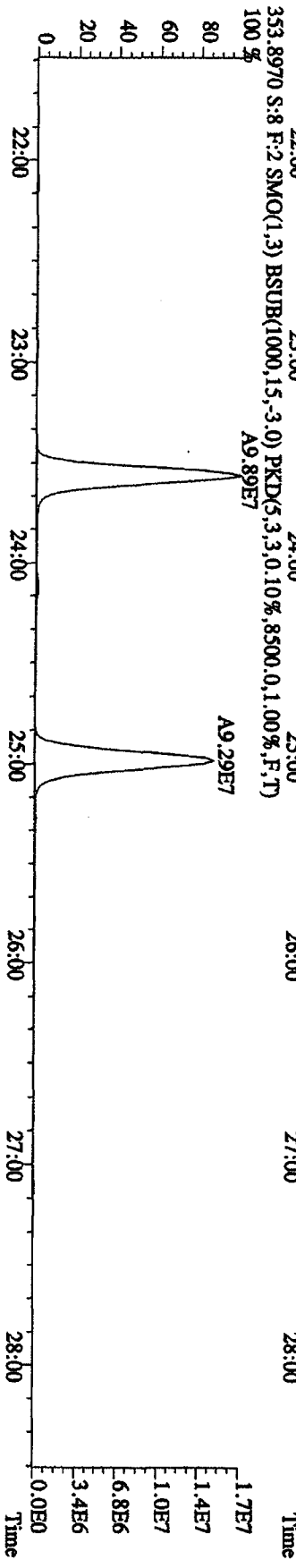
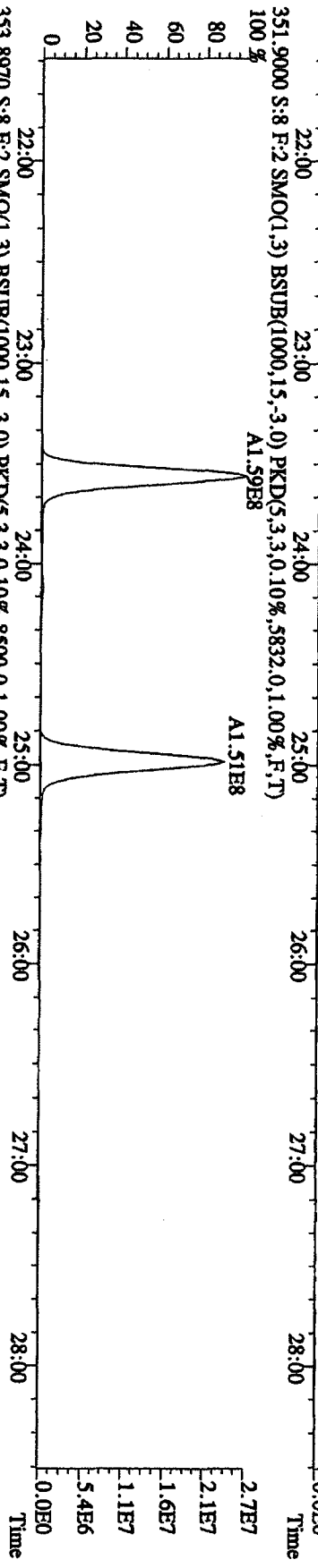
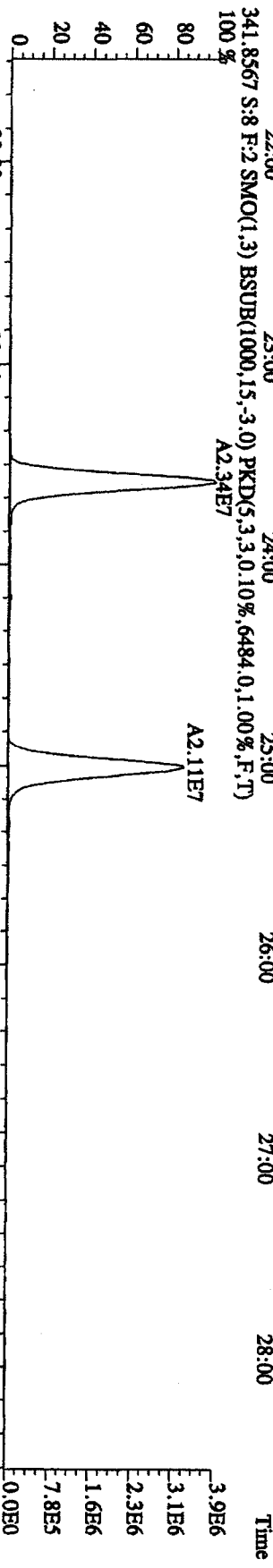
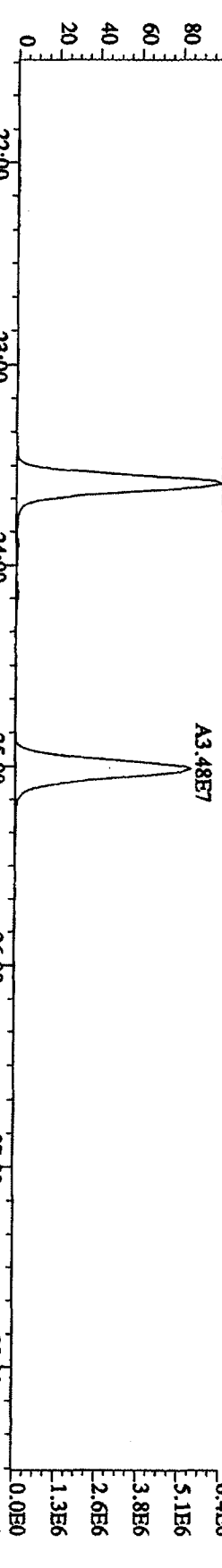
File:31DE09AID5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4932,0,1,00%,F,T)
 100 %



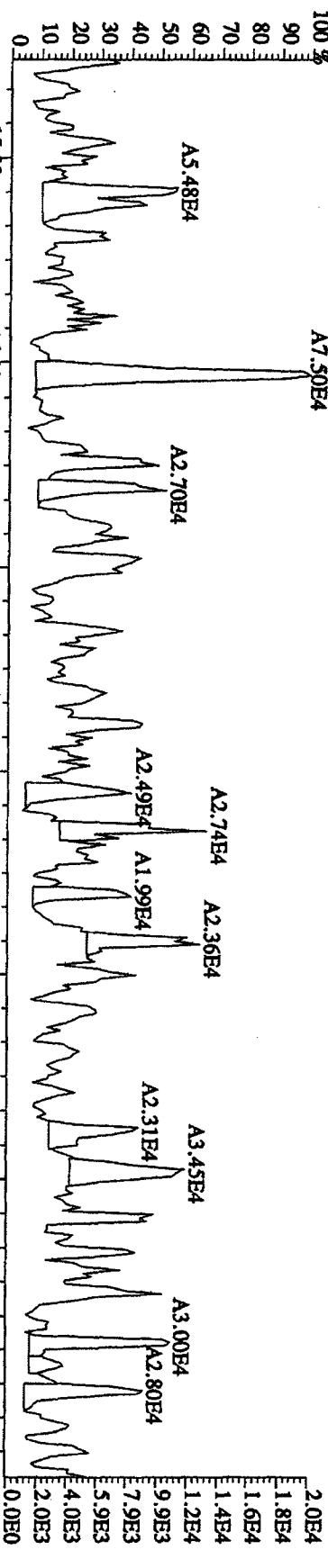
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,5548,0.1,00%,F,T)



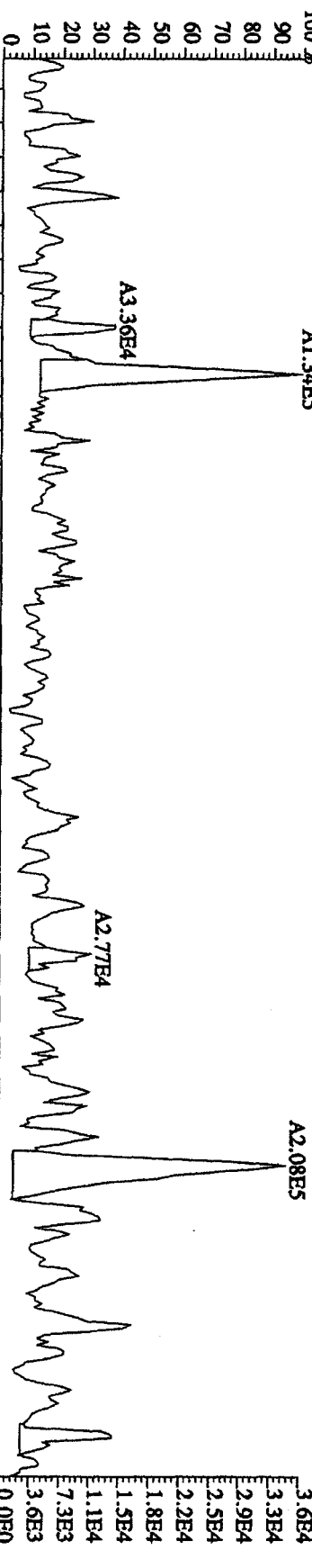
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DDXN449 Exp:DIOXIN
 339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6180,0,1,00%,F,T)
 100 %



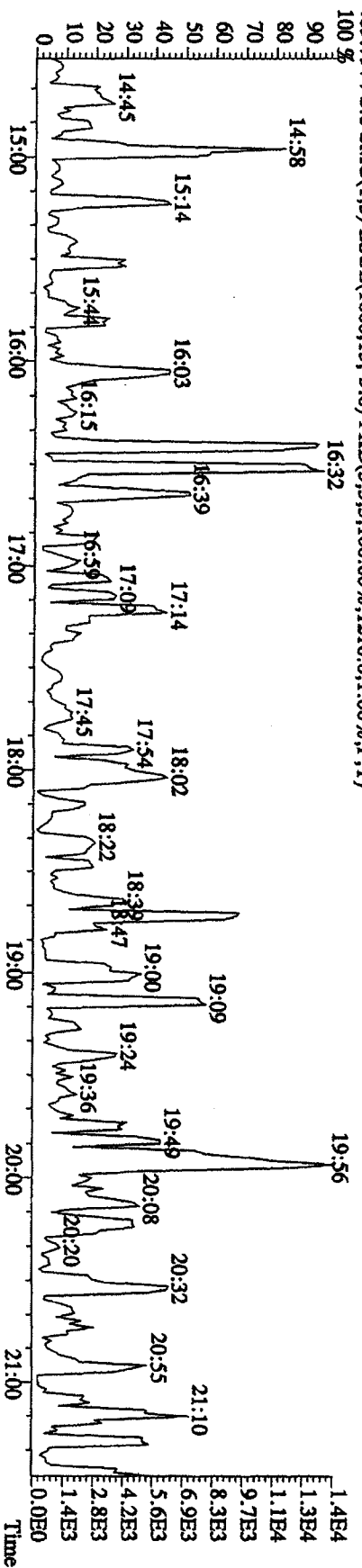
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176,0,1.00%,F,T)
 100 % A7.50E4



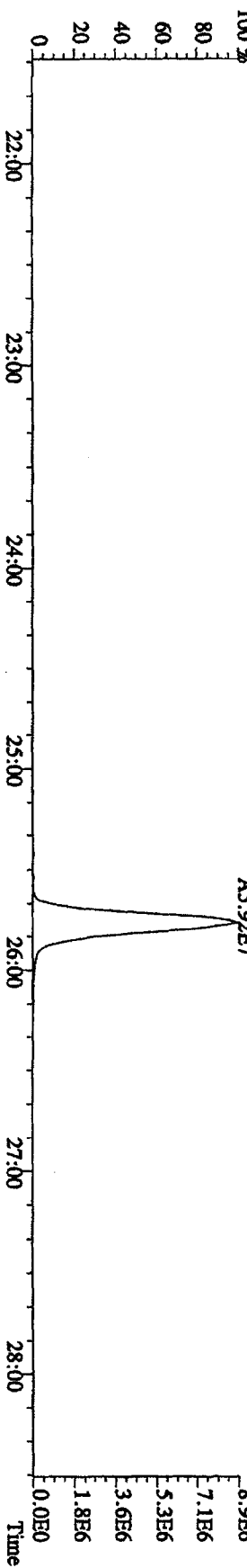
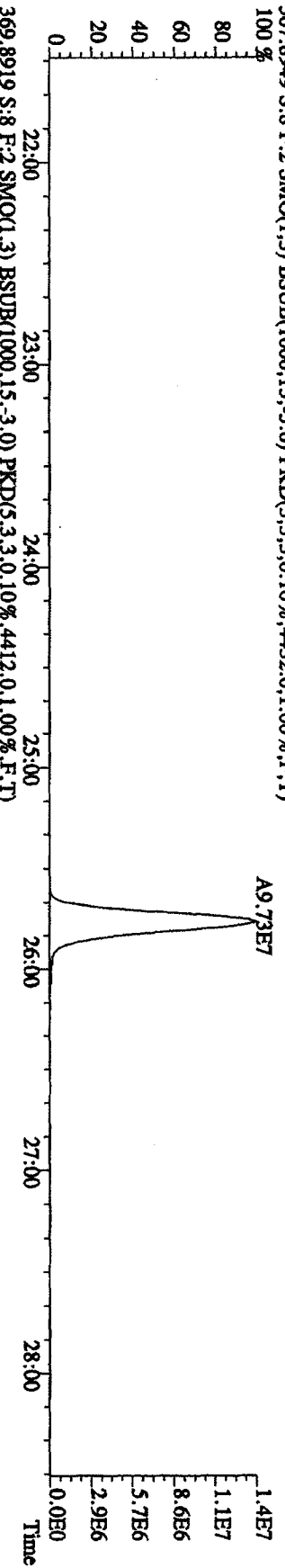
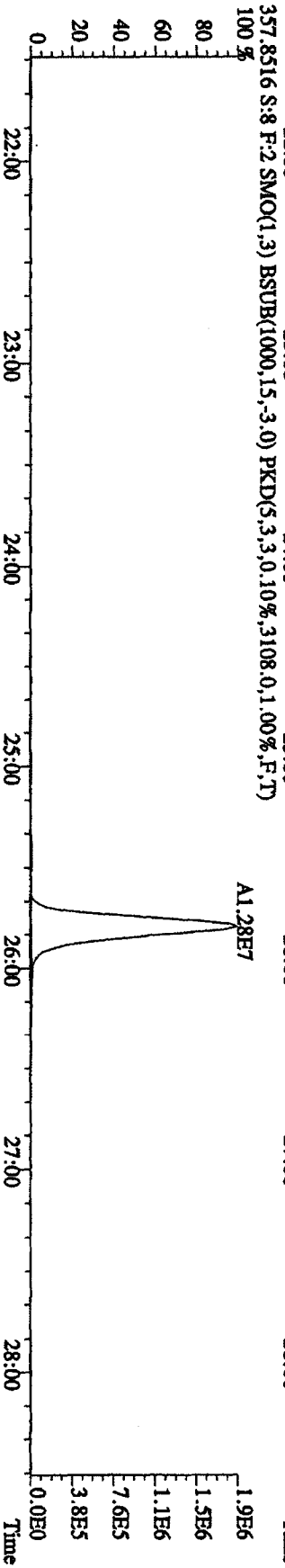
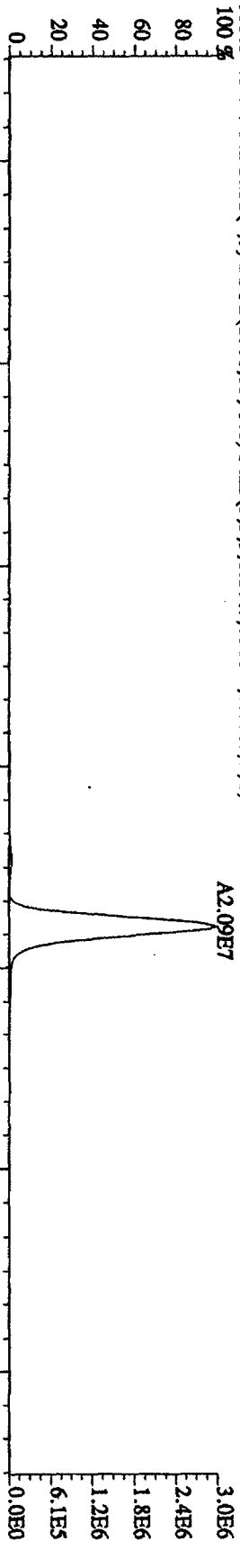
341.8567 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6668,0,1.00%,F,T)
 100 % A1.34E5



409.7974 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1216,0,1.00%,F,T)
 100 %



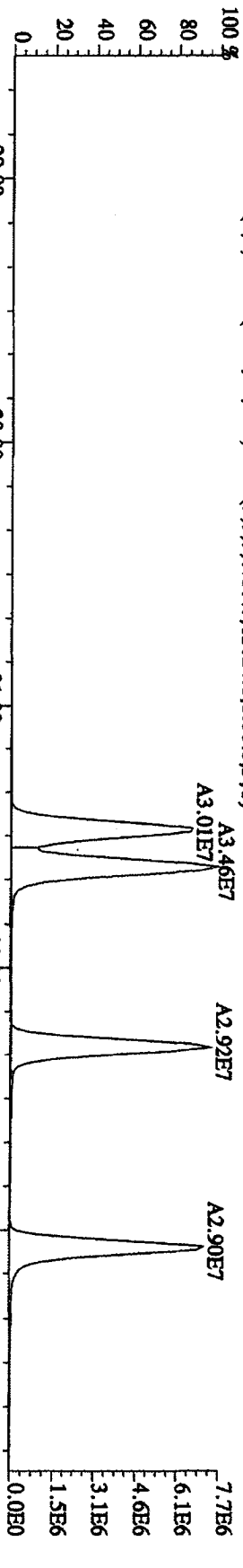
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6516,0,1,00%,F,T)



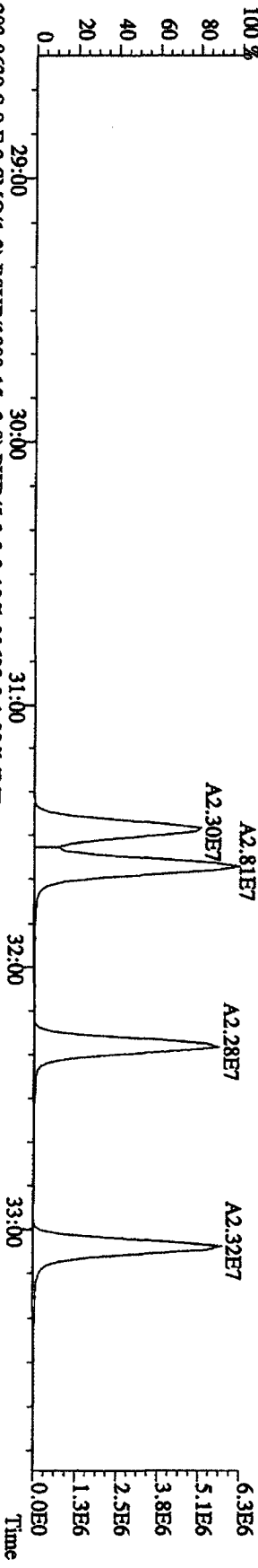
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G 2nd Source 09DXM449 Exp:DIOXIN

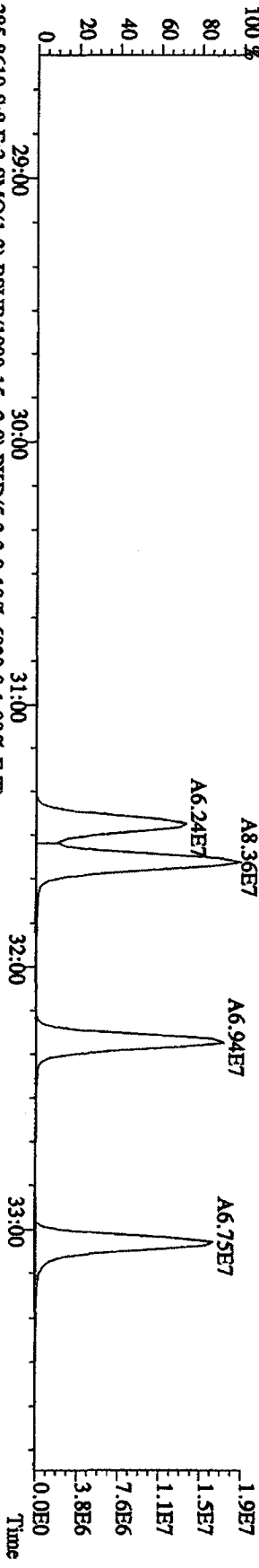
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12624,0.1,0.00%,F,T)



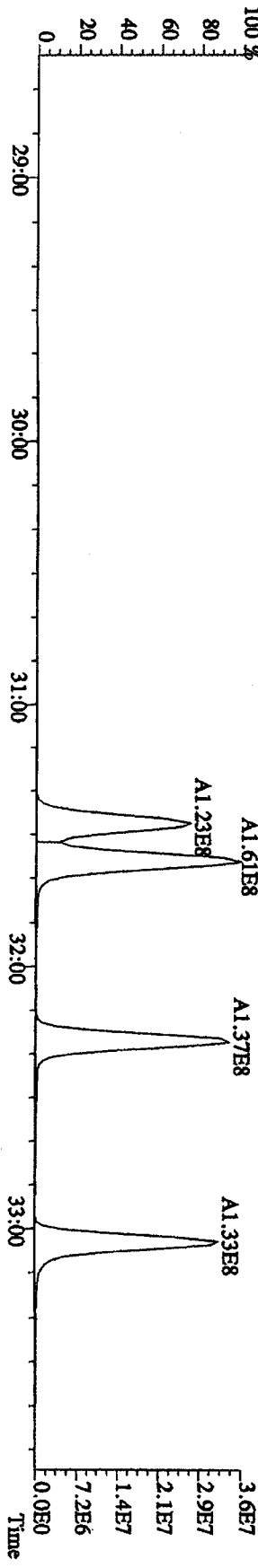
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7352,0.1,0.00%,F,T)



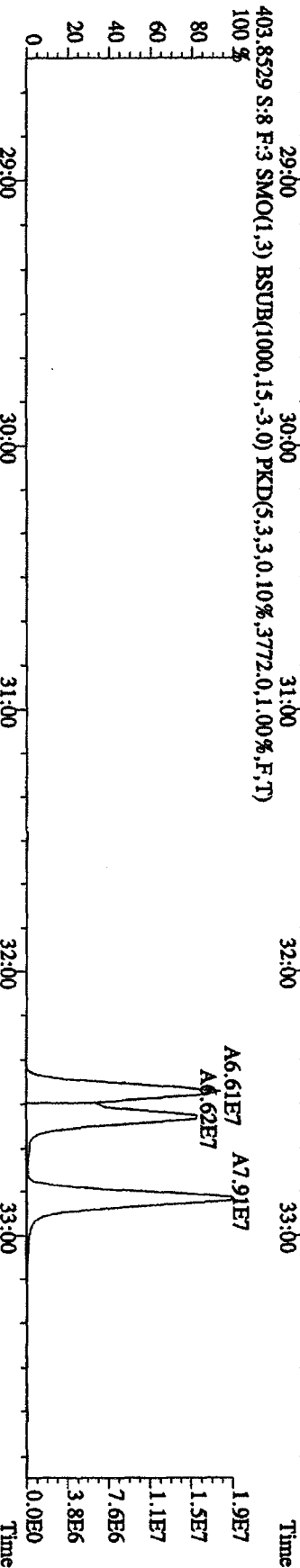
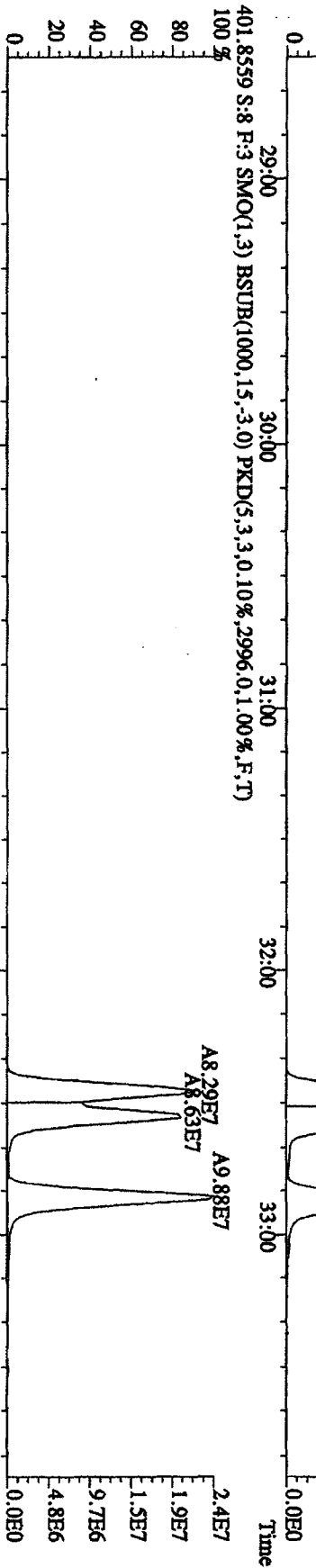
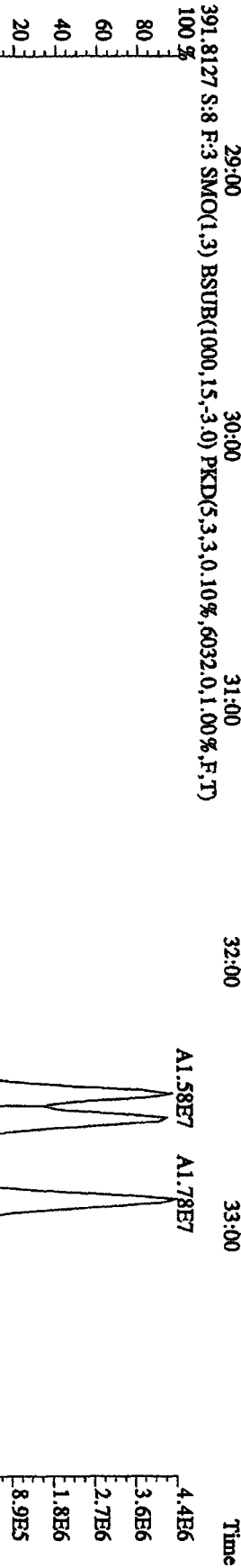
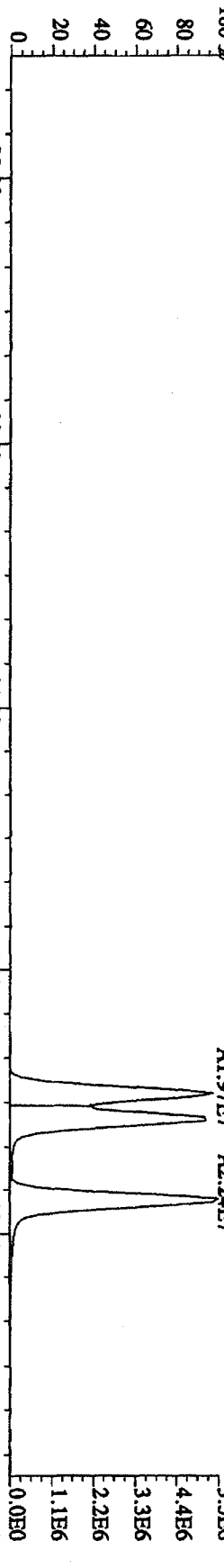
383.8639 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,22688,0.1,0.00%,F,T)



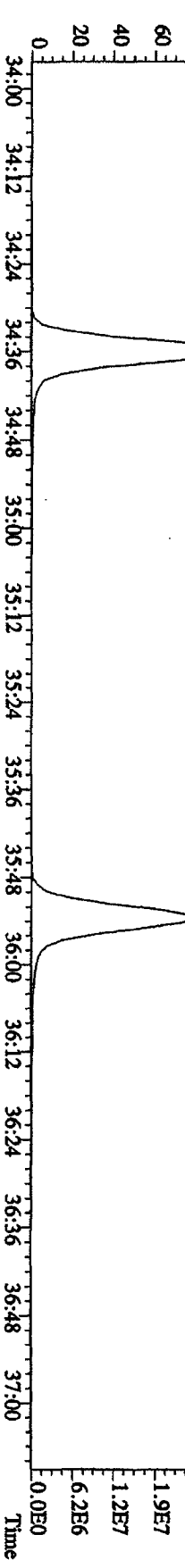
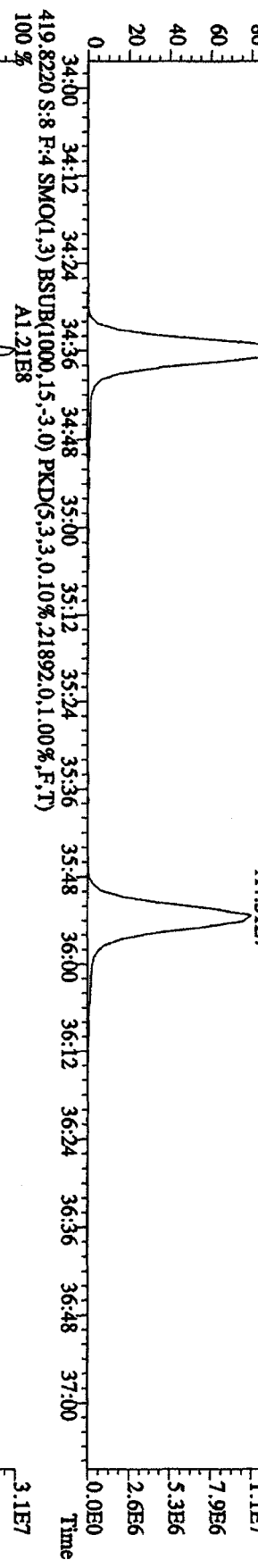
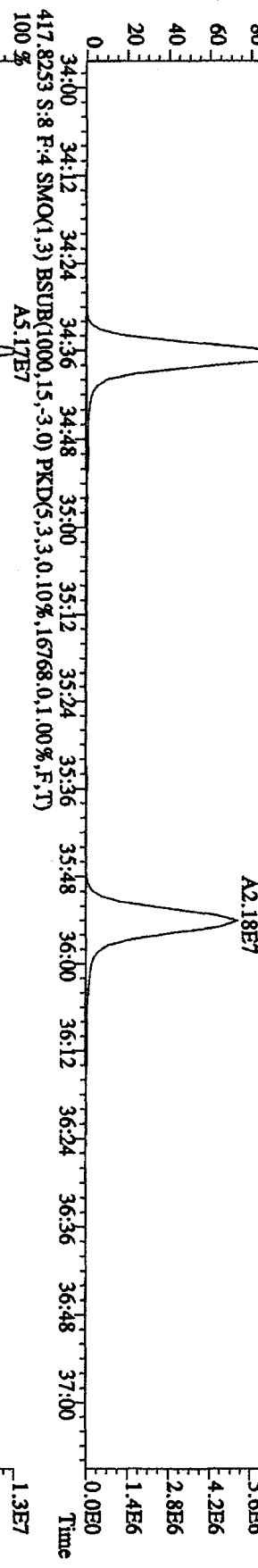
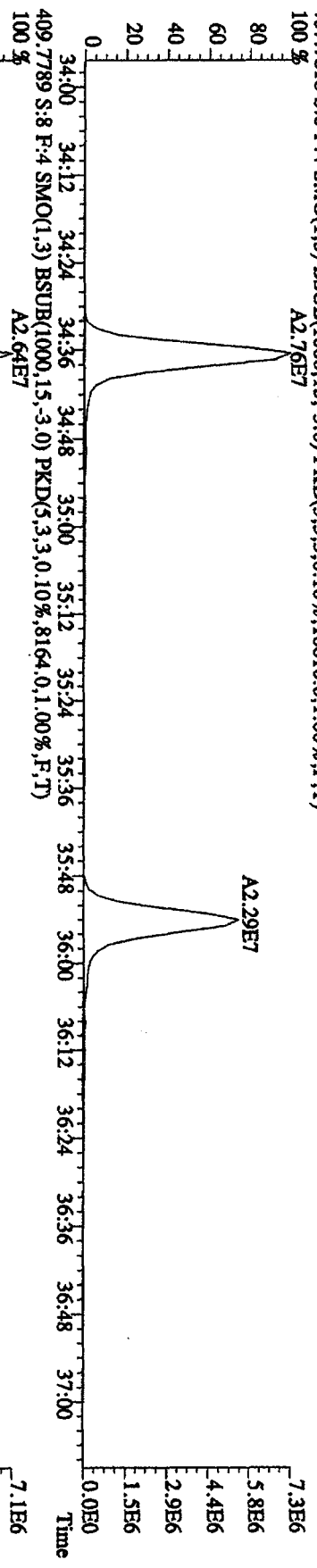
385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6020,0.1,0.00%,F,T)



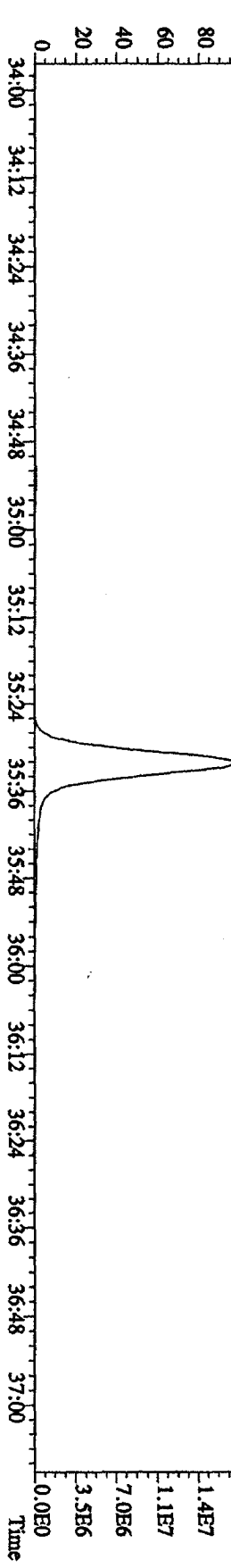
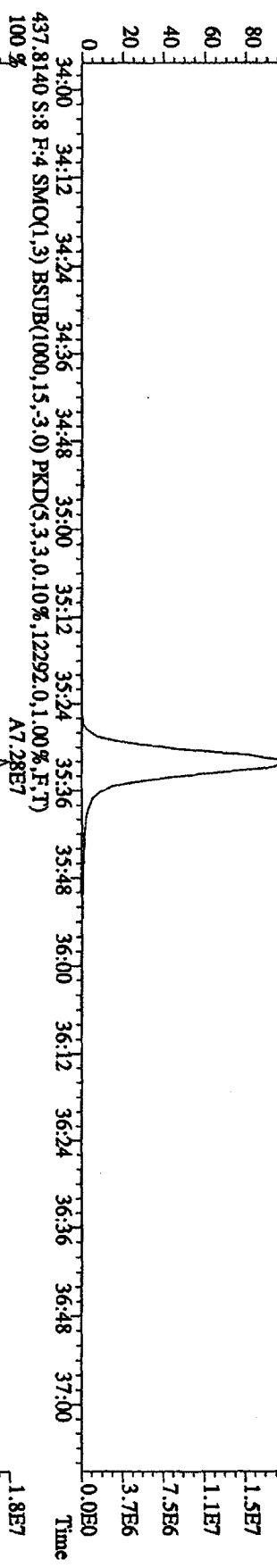
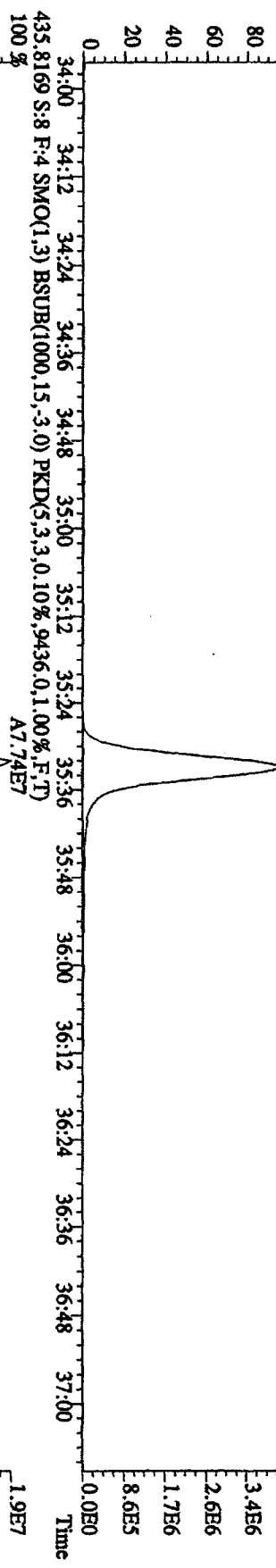
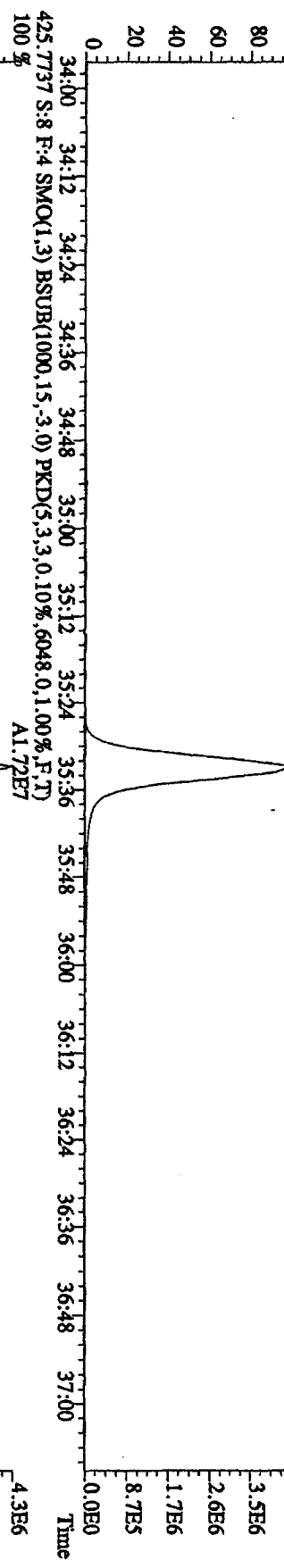
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SRR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 389,8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3308,0,1,00%,F,T)
 100 %



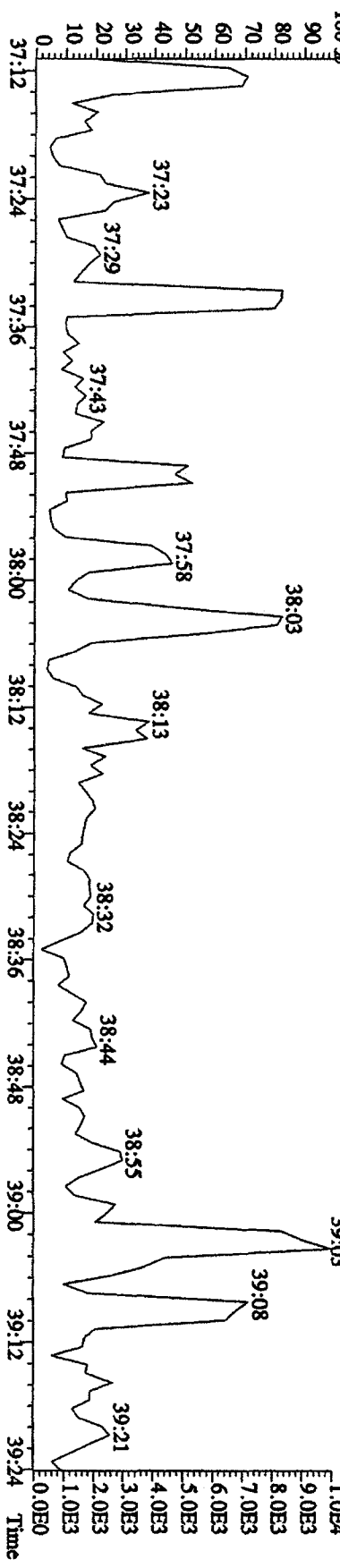
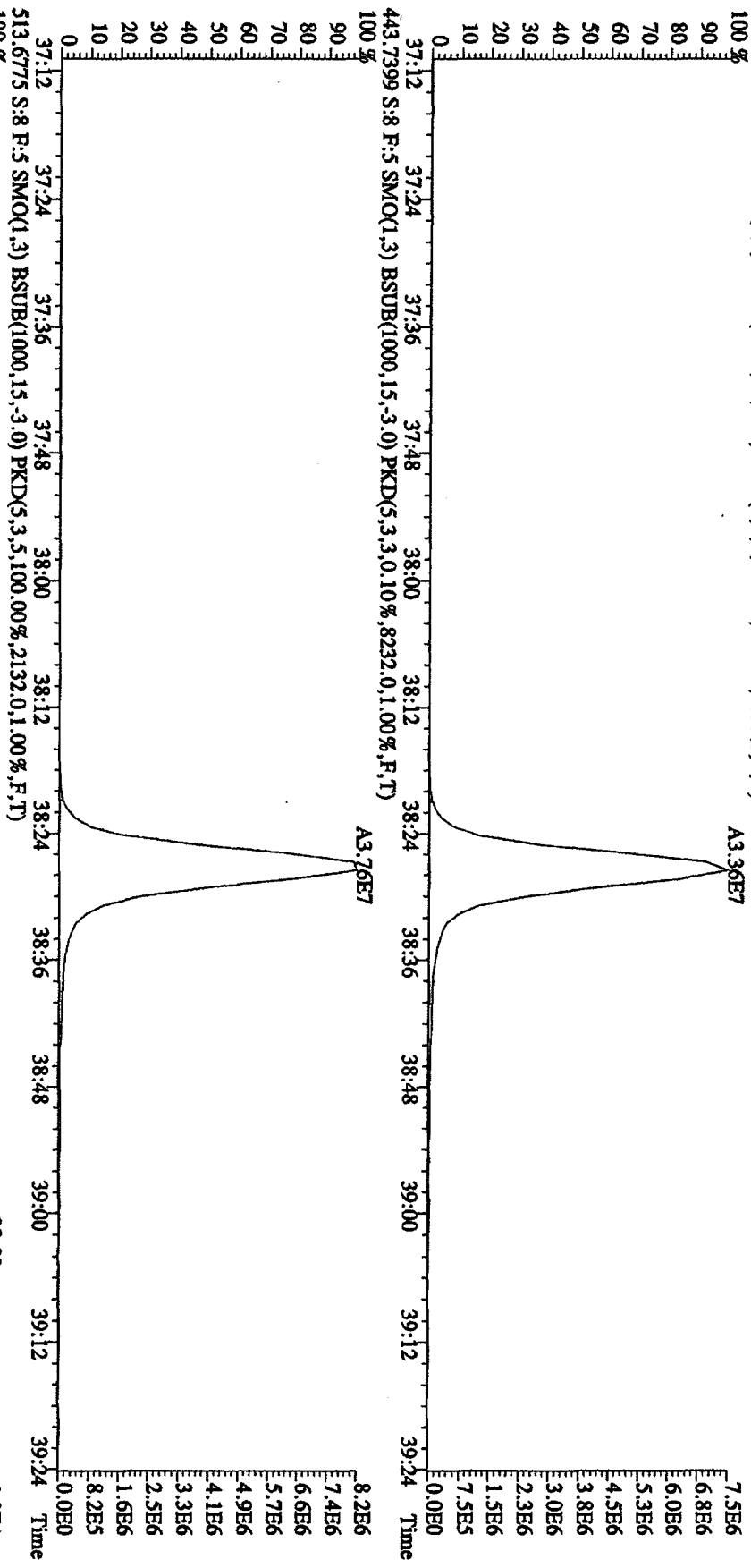
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10016,0.1,00%,F,T)
 100 %



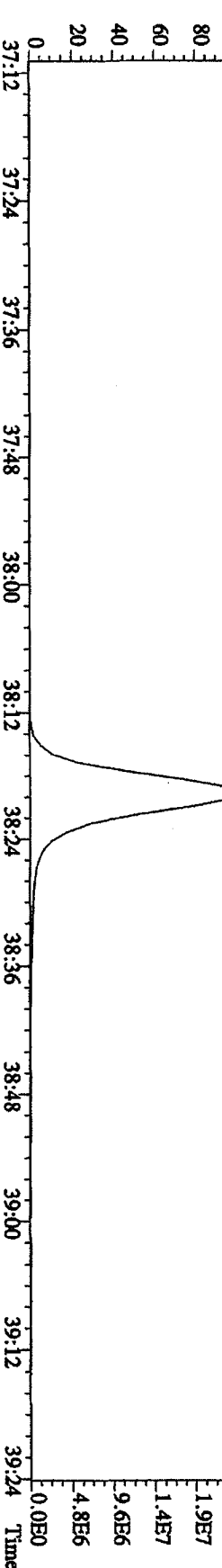
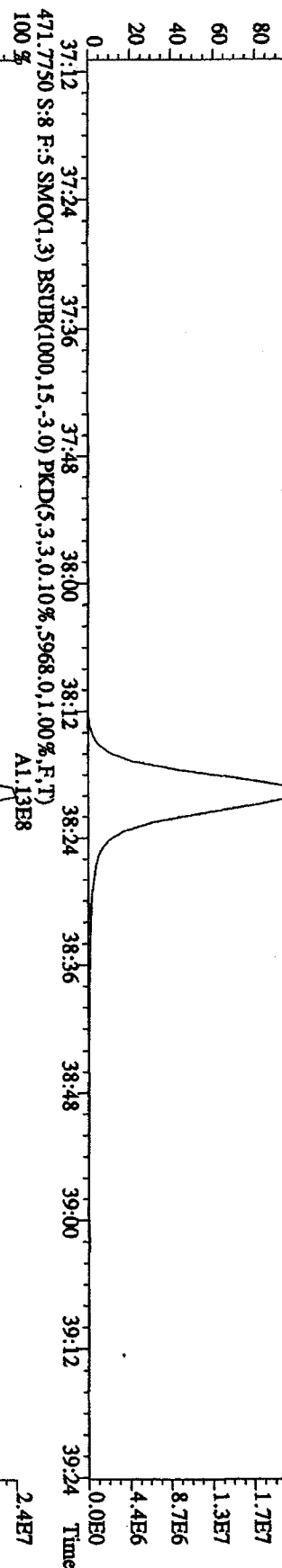
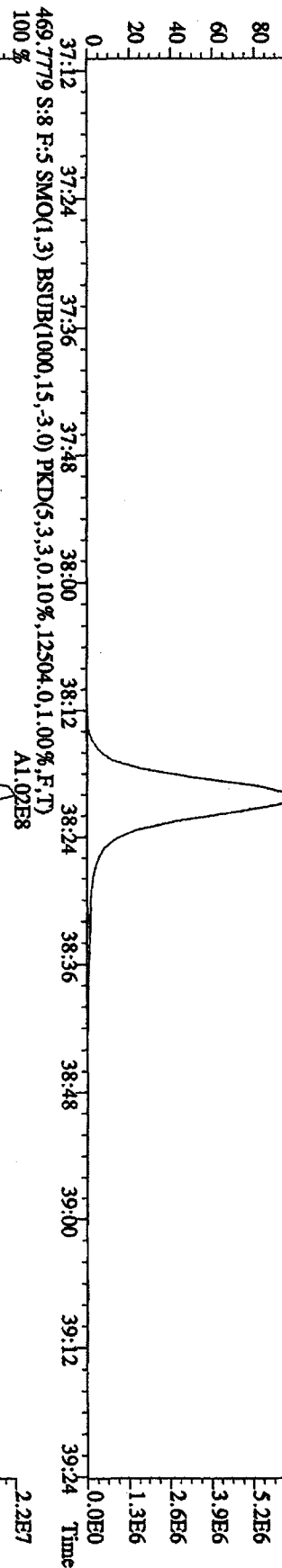
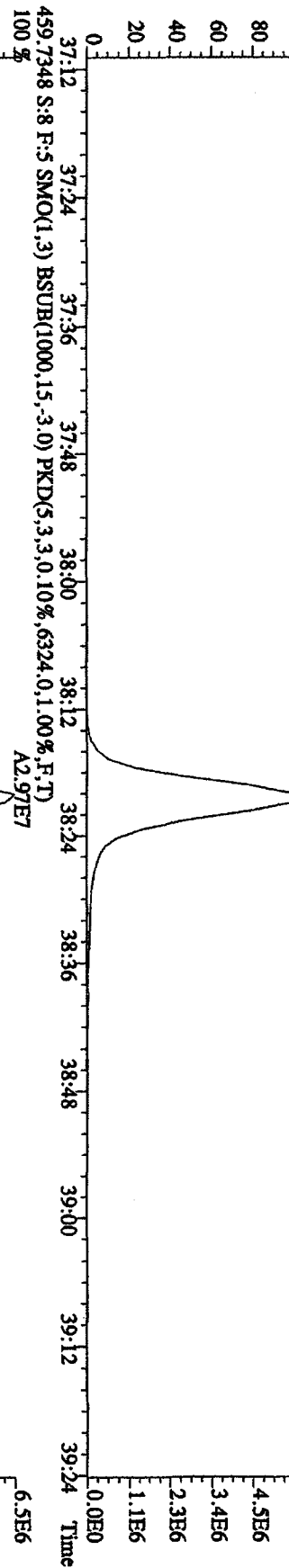
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Terr:ST1231G 2nd Source 09DXM449 Exp:DIOXIN
 423.7737 S:8 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7756,0.1,00%,F,T)
 100% A1.72E7



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%,5508,0.1,0.00%,F,T)
 100%



File:31DE09AIDS #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%,5416.0,1.00%,F,T)
 100 %

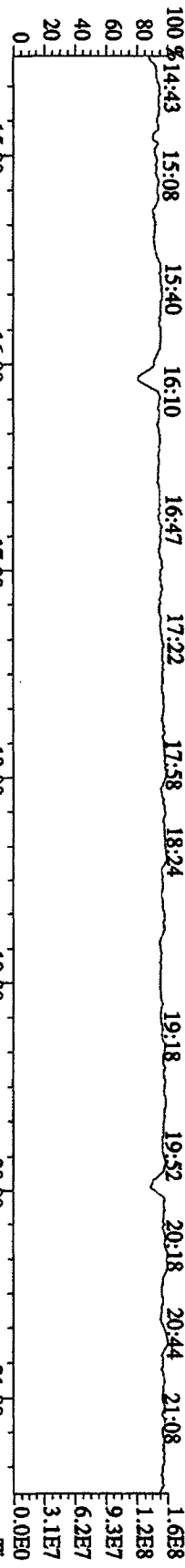


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

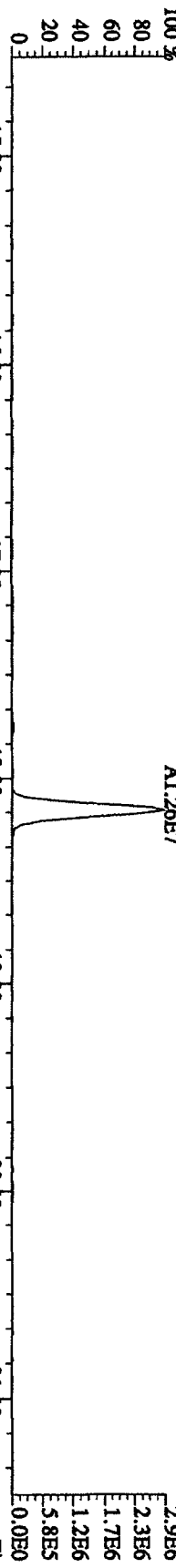
292.9825 S:8 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)

100 % 14:43 15:08 15:40 16:10 16:47 17:22 17:58 18:24 19:18 19:52 20:18 20:44 21:08



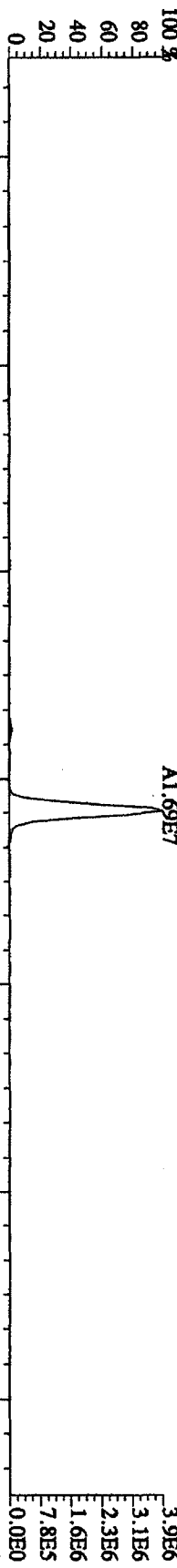
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6072,0,1,00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00



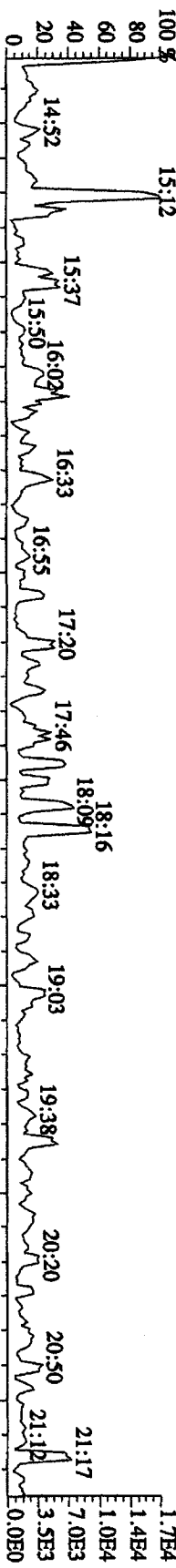
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7420,0,1,00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00



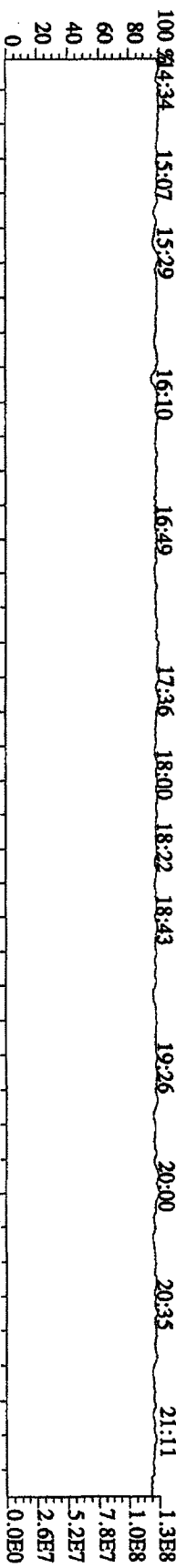
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,2352,0,1,00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00

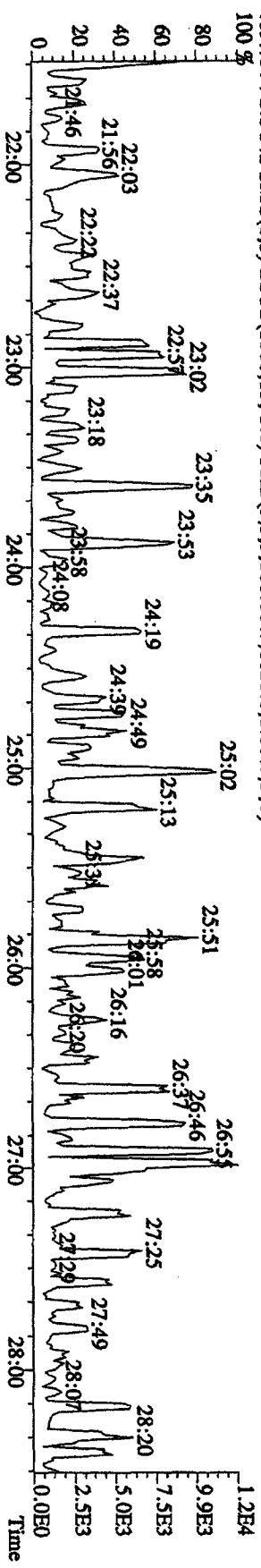
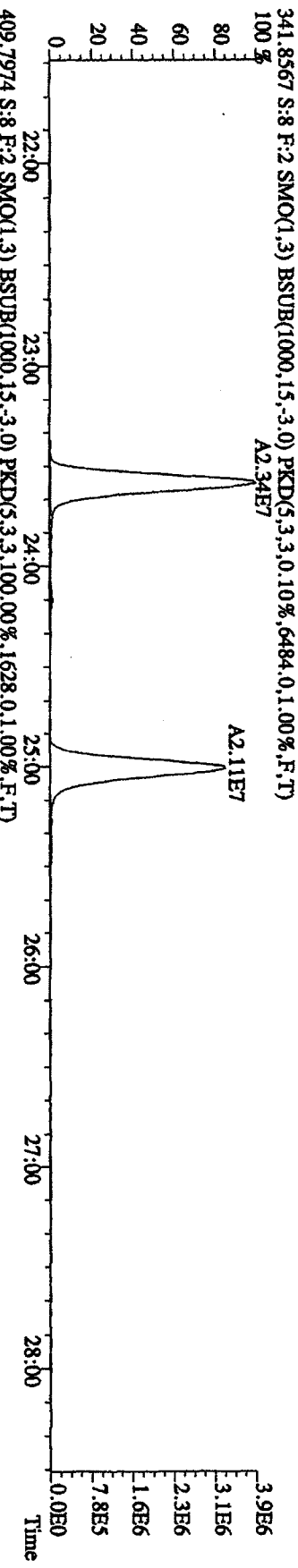
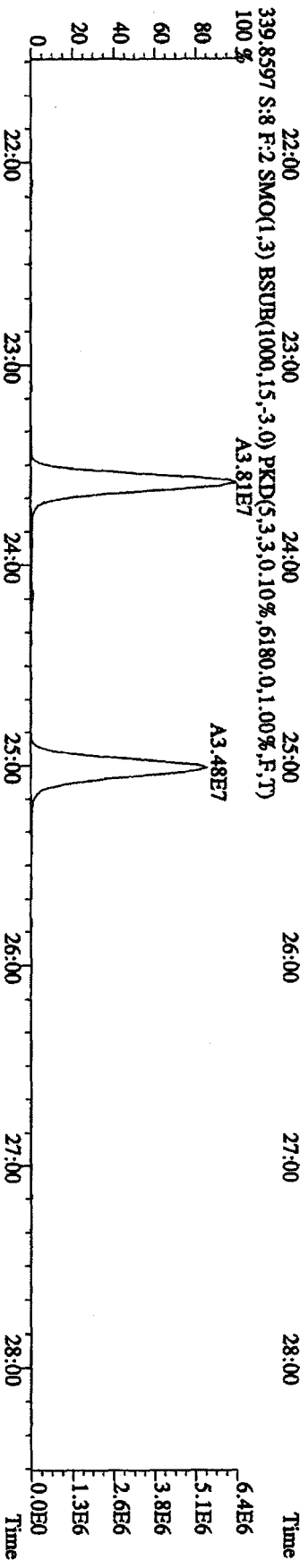
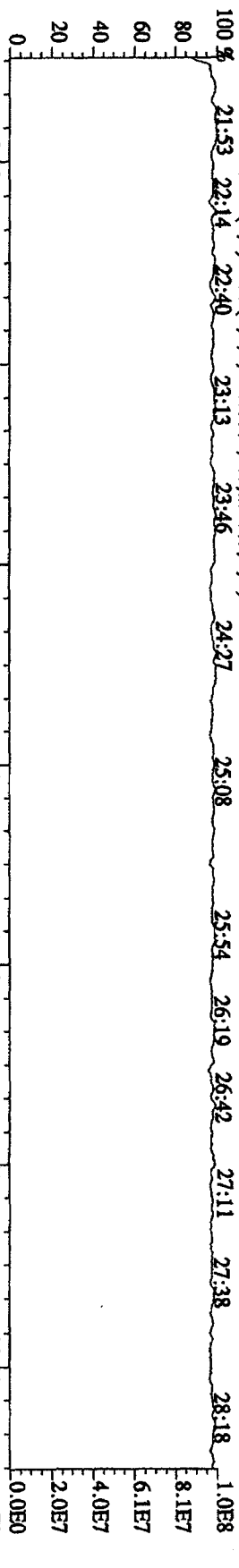


330.9792 S:8 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

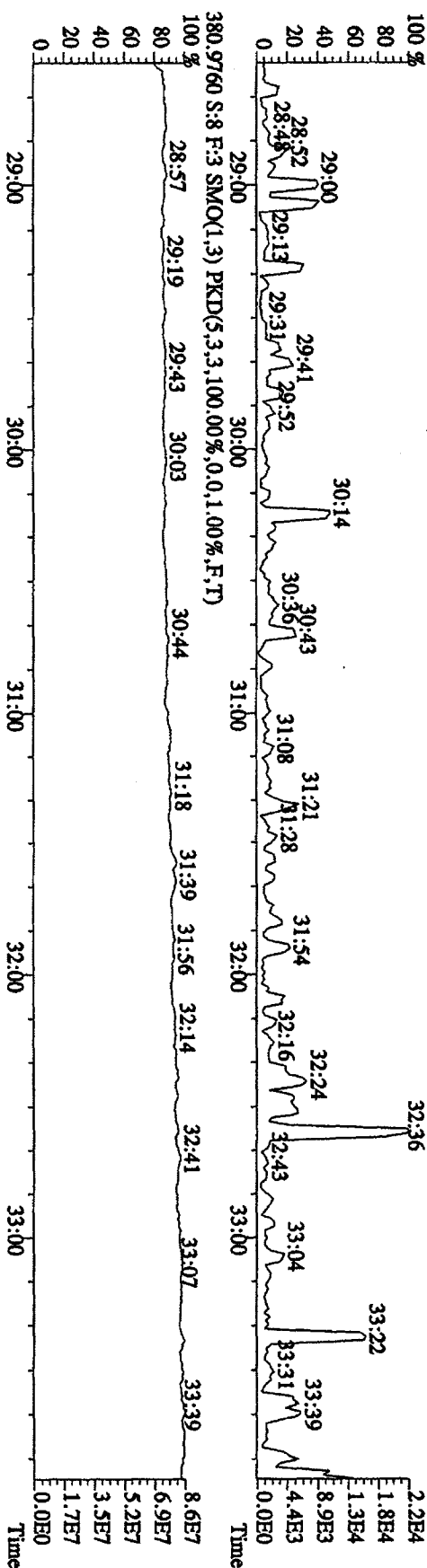
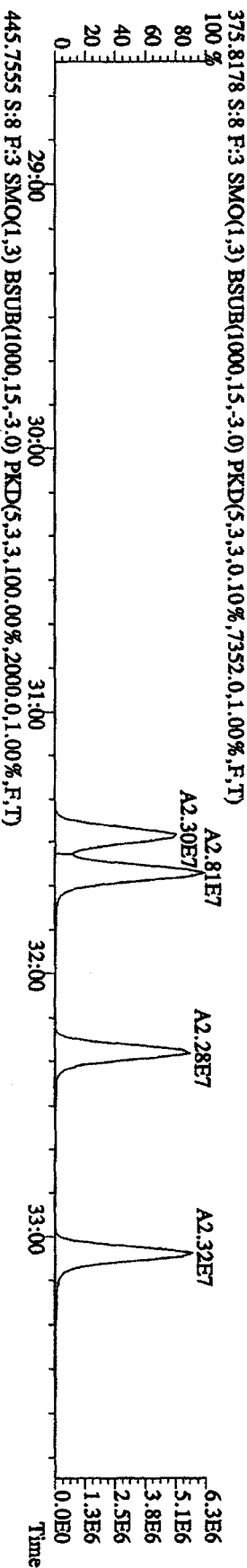
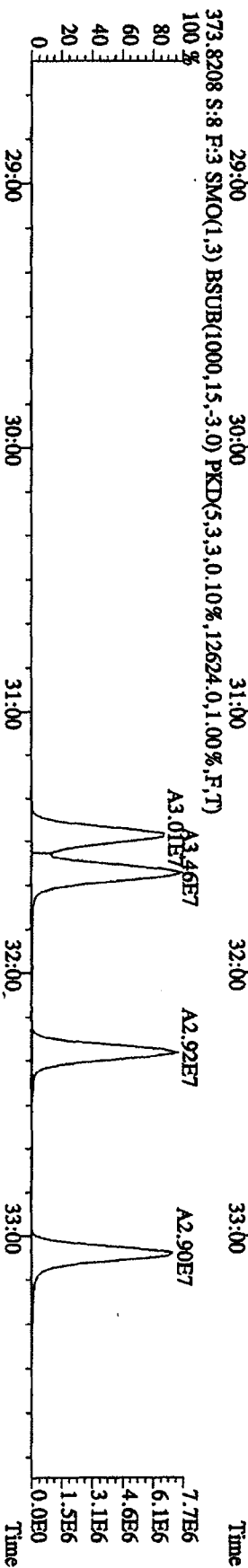
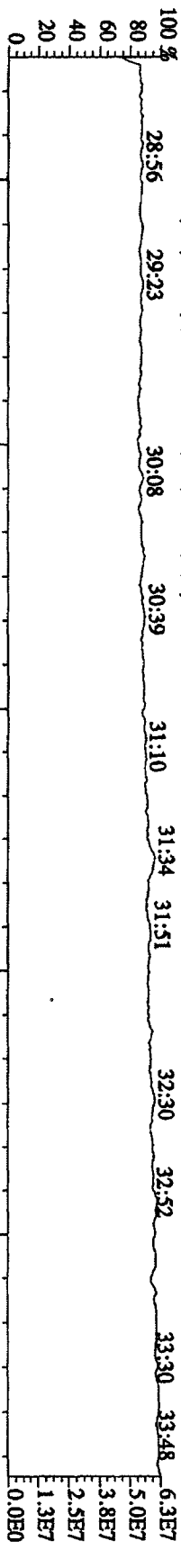
100 % 14:34 15:07 15:29 16:10 16:49 17:00 17:36 18:00 18:22 18:43 19:26 20:00 20:35 21:11



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(5.3,3.0,0.1,0.0%,F,T)
 100 % 21:53 22:14 22:40 23:13 23:46 24:27 25:08 25:54 26:19 26:42 27:11 27:38 28:18

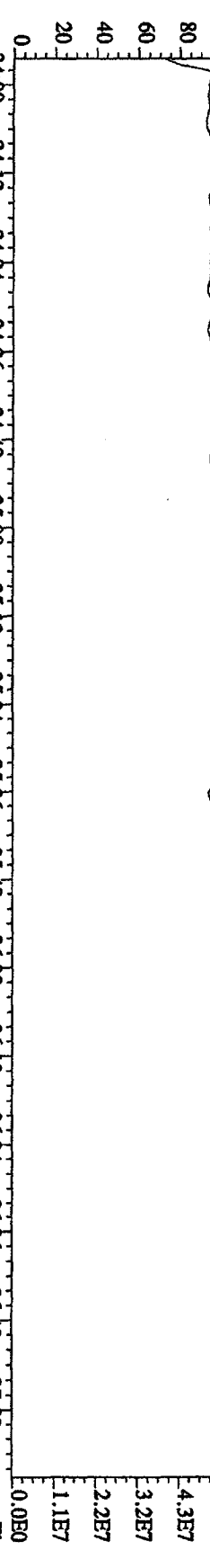


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Test:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

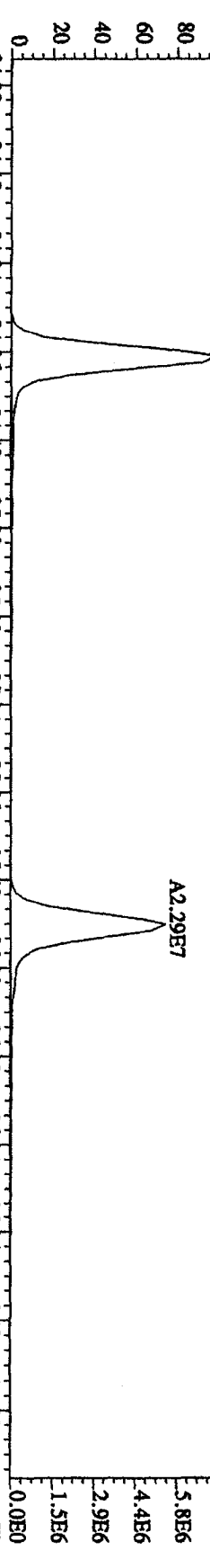


File: 31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN

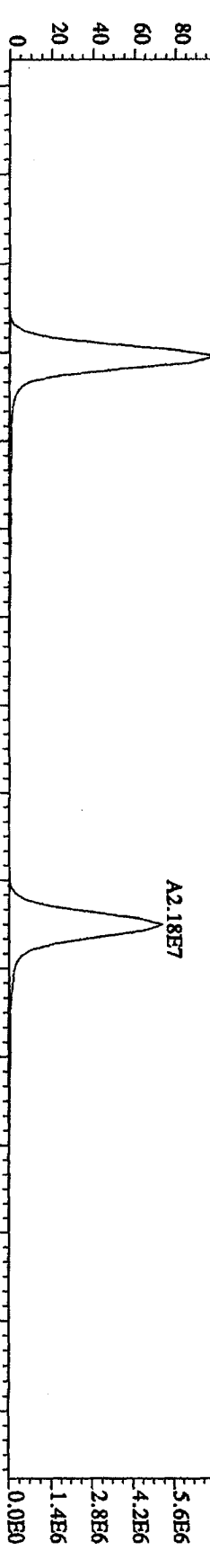
430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 34:03 34:18 34:31 34:41 35:02 35:16 35:27 35:40



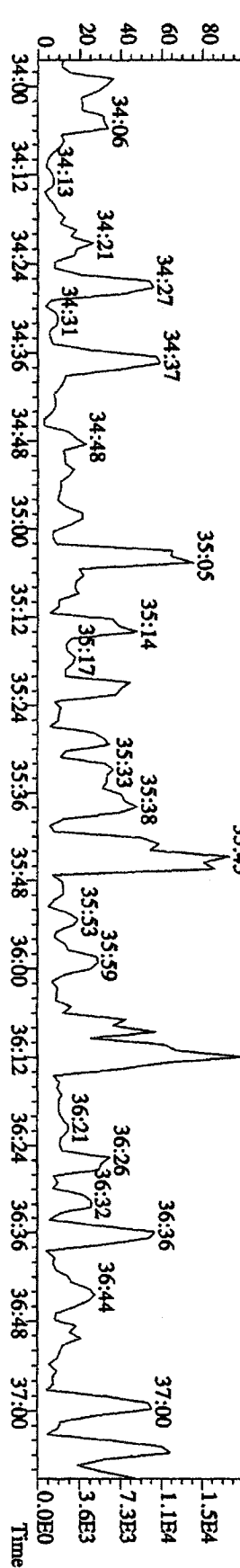
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10016,0,1,00%,F,T)
 100% 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



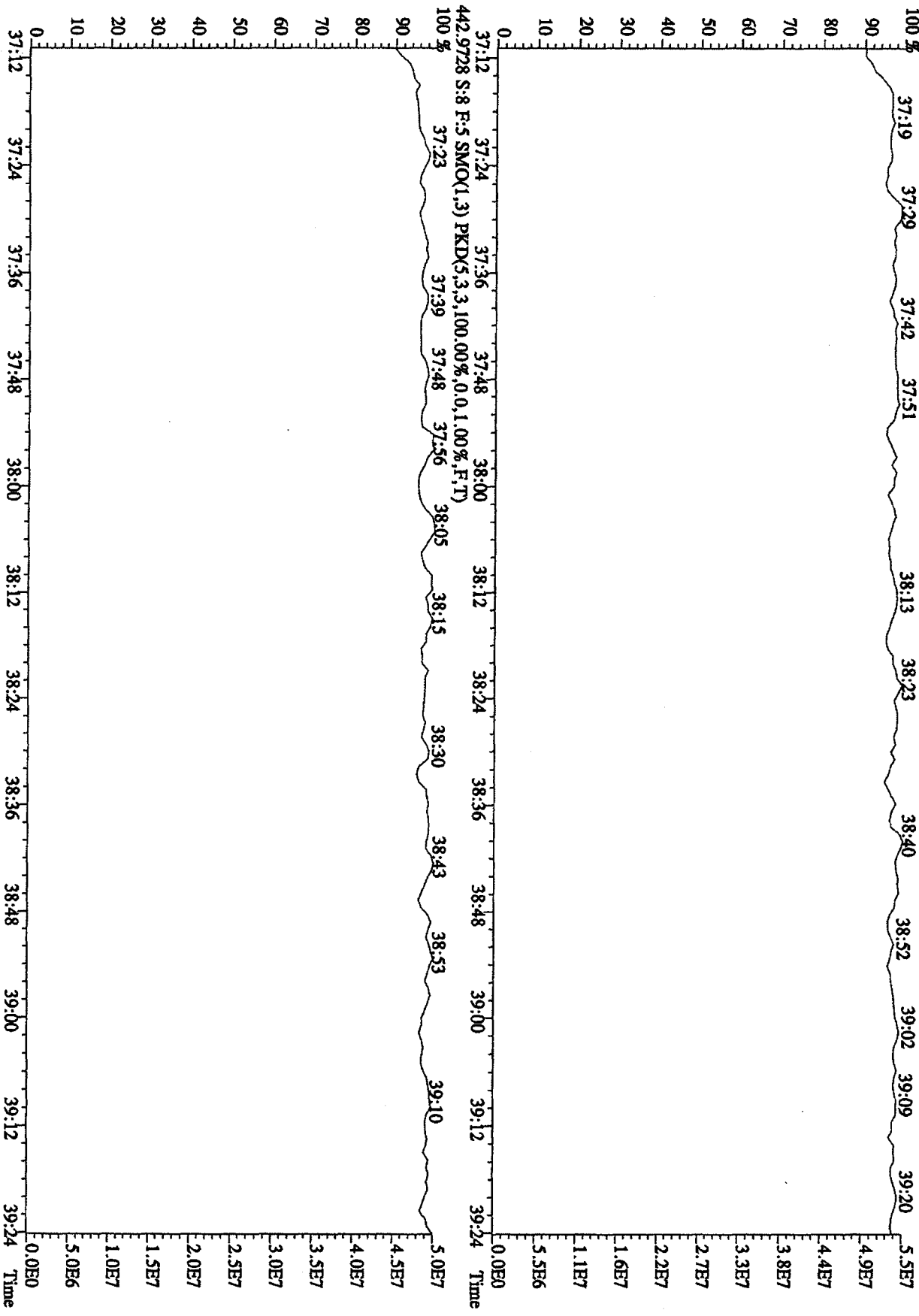
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8164,0,1,00%,F,T)
 100% 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,2388,0,1,00%,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



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)
 100%



Sample Extraction/Preparation Log
Copies and Checklists

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Solid Extraction

Batch: 0106187
 MS Run #:
 Prep Date: 4/16/2010

Shared
 QC Batch: 2010
 Shares
 QC With: MA

Internal COC:	
Delivered to Inst.:	<u>9/12/10</u>
Inst Receipt:	

Box # 14

Method: IN 8290
 Matrix: A SOLID
 Extraction: 4W SOXHLET (NOMINAL)
 QC: 01 STANDARD TEST SET
 SAC: IN - A - 4W - 01

Soxhlet time on: 11:00 Soxhlet time off: 5:00

Prep Reagents	Supplier	Lot #
Toluene	Baker	<u>0411551</u>
Hexane	Baker	<u>037E41</u>
H2SO4	Baker	<u>NH</u>
20% DCM:Hexane	NA	<u>3630-53E</u>
65% DCM:Hexane	NA	<u>3630-53G</u>
1:1 DCM:Cyclohexane	NA	<u>NH</u>
75:20:5	NA	<u>NH</u>
DCM:Hexane:Benzene		
Silica Gel	<u>10/10/10</u>	<u>22-24</u>
Acid Alumina	<u>MR-910</u>	<u>19</u>
5% Carbon:Silica Gel	<u>NH</u>	<u>NH</u>

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
					20UL	Other				
G0D080425 - 18		LXM7K1AD	5/6/2010	<u>10.019</u>			5/31/2010	<u>12-41</u>	<u>R-72C</u>	<u>9</u>
G0D080425 - 22		LXM7T1AC	5/6/2010	<u>10.019</u>			5/31/2010	<u>15</u>	<u>R-82C</u>	<u>4</u>
G0D080425 - 22	S	LXM7T1AD	5/6/2010	<u>10.019</u>			5/31/2010	<u>14</u>	<u>R-80C</u>	<u>9</u>
G0D080425 - 22	D	LXM7T1AE	5/6/2010	<u>10.019</u>			5/31/2010	<u>15</u>	<u>R-79C</u>	<u>4</u>
G0D080425 - 28		LXM731AD	5/6/2010	<u>10.019</u>			5/31/2010	<u>16</u>	<u>R-88C</u>	<u>9</u>
G0D080425 - 35		LXM8R1AD	5/6/2010	<u>10.019</u>			5/31/2010	<u>17</u>	<u>R-38C</u>	<u>4</u>
G0D080425 - 47		LX1XL1AC	5/6/2010	<u>10.019</u>			5/31/2010	<u>18</u>	<u>N/A</u>	<u>0</u>
G0D080425 - 48		LX1X41AC	5/6/2010	<u>10.019</u>			5/31/2010	<u>19</u>	<u>R-46C</u>	<u>4</u>
G0D140560 - 1		LX0W31AC	5/13/2010	<u>10.019</u>			5/31/2010	<u>19</u>	<u>R-58C</u>	<u>4</u>
G0D140560 - 1	S	LX0W31AD	5/13/2010	<u>10.019</u>			5/31/2010	<u>21</u>	<u>R-64C</u>	<u>9</u>
G0D140560 - 1	D	LX0W31AE	5/13/2010	<u>10.019</u>			5/31/2010	<u>22</u>	<u>R-97C</u>	<u>4</u>
G0D140560 - 2		LX0W41AC	5/13/2010	<u>10.019</u>			5/31/2010	<u>23</u>	<u>R-63C</u>	<u>4</u>
G0D169000 - 187	B	LX3CF1AA	5/6/2010	<u>10.019</u>			5/31/2010	<u>10</u>	<u>R-56C</u>	<u>9</u>
G0D160000 - 187	C	LX3CF1AC	5/6/2010	<u>10.019</u>			5/31/2010	<u>11</u>	<u>R-57C</u>	<u>4</u>

* See attached sheet for sample volumes recorded from scale
 Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	1.0M16DXX116	10.21.10	AC	<i>[Signature]</i>	4.16.10
Spike Mix LCS/LCSD/MMS/MS	58.2M100X163	9.9.11	AC	<i>[Signature]</i>	4.10.10
Cleanup Standard All Samples	1.0M2105XN119	4/12/11	MC	T.L.	4/20/10
Recovery Standard All Samples	20.0P1010XN388	11/19/10	J	T.L.	4/20/10
Soxhlet Extraction Analys/Date	AC/4.16.10	—	—	MC/4/20/10	—
		Split/Archive Analys/Date	Option C Analys/Date	IFB Analys/Date	D2 Analys/Date

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

Expanded Deliverable
 - COC Completed
 - Y Bench Sheet Copied
 - Package Submitted to Analytical Group
 - Bench Sheet Copied per COC

Extractionist: 002084 Caesar Cortez

Concentrationist: 006625 Elizabeth Nguyen

 * OC BATCH: 0106187 *
 * *****

PREP DATE: 4/16/10 16:00
 COMP DATE: 4/20/10 8:00

Reviewer/Date: NGUYENE / 4/20/10

Dioxins/Furans, HRCG/HRMS (8290)
 SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#, WORK ORDER	MSRPN#/ TEST FLGS	EXT	MTH	MATRIX	INIT/ FIN WT/VOL	INIT ADJ1	PH'S ADJ2	EXTRACTION VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/06/10 COMMENTS:	4/22/10	G0D080425-018 LXM7K-1-AD		4W	IN	SOLID	10.06g 10.00uL	NA	NA	300.0	C14	20.0	1.0ML IS 10DXN110
5/06/10 COMMENTS:	4/22/10	G0D080425-022 LXM7T-1-AC		4W	IN	SOLID	10.07g 10.00uL	NA	NA	300.0	C14	20.0	1.0ML IS 10DXN110
5/06/10 COMMENTS:	4/22/10	G0D080425-022 LXM7T-1-ADS		4W	IN	SOLID	10.31g 10.00uL	NA	NA	300.0	C14	20.0	50.0UL NS 10DXN103 1.0ML IS 10DXN110
5/06/10 COMMENTS:	4/22/10	G0D080425-028 LXM73-1-AD		4W	IN	SOLID	10.25g 10.00uL	NA	NA	300.0	C14	20.0	1.0ML IS 10DXN110
5/06/10 COMMENTS:	4/22/10	G0D080425-035 LXM8R-1-AD		4W	IN	SOLID	10.17g 10.00uL	NA	NA	300.0	C14	20.0	1.0ML IS 10DXN110
5/13/10 COMMENTS:	4/22/10	G0D140560-001 LX0W3-1-AC		R	4W	IN SOLID	10.06g 10.00uL	NA	NA	300.0	C14	20.0	1.0ML IS 10DXN110

ROC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/20/10
Time: 12:27:32

* OC BATCH: 0106187 *

PREP DATE: 4/16/10 16:00
COMP DATE: 4/20/10 8:00

EXTR EXPR	ANL DUE	LOT#,MSRNUM/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJT	PH"S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
5/13/10 COMMENTS:	4/22/10	GODD140560-001 LX0W3-1-ADS	R	4W	IN SOLID	10.33g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0 50.0UL NS 10DXN103 1.0ML IS 10DXN110
5/13/10 COMMENTS:	4/22/10	GODD140560-001 LX0W3-1-ADF	R	4W	IN SOLID	10.00g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0 50.0UL NS 10DXN103 1.0ML IS 10DXN110
5/13/10 COMMENTS:	4/22/10	GODD140560-002 LX0W4-1-AC	R	4W	IN SOLID	10.31g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0 1.0ML IS 10DXN110
5/06/10 COMMENTS:	4/22/10	GODD080425-047 LX1XL-1-AC	R	4W	IN SOLID	10.14g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0 1.0ML IS 10DXN110
5/06/10 COMMENTS:	4/22/10	GODD080425-048 LX1X4-1-AC	R	4W	IN SOLID	10.34g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0 1.0ML IS 10DXN110
5/06/10 COMMENTS:	0/00/00	GODD160000-187 LX3CP-1-AB	R	4W	IN SOLID	10.00g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0 1.0ML IS 10DXN110
5/06/10 COMMENTS:	0/00/00	GODD160000-187 LX3CP-1-ACC	R	4W	IN SOLID	10.00g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0 50.0UL NS 10DXN103 1.0ML IS 10DXN110

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

NUMBER OF WORK ORDERS IN BATCH: 14

Preparation Data Review Checklist

Prep Batch(es) D106107

Test: 02905

Prep Date: 4-16-10

Holding Times: 5.10.10 ✓ 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: mad m m m m m

Date: 4/16/10

2nd Level Reviewer: [Signature]

Date: 4/20/10

Comments:

**Data Checklist
HRGMS/LRGMS Analyses**

Batch #: 0106187 Method ID: 8290

Data Analyst: VA **DB-5**
Date initiated: 4.26.10
Reviewer: M. Way
Date reviewed: 4/26/2010

Data Analyst: VA **DB-225**
Date initiated: 4.26.10
Reviewer: M. Way
Date reviewed: 4/26/2010

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

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

Comments: (Use other side if necessary)

CD SEE NCM

*** Recovery limits:**

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

****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.

**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: N/A
QC With: N/A

Internal COC:	
Delivered to Inst.:	<u>412210</u>
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: 6:20:00 Soxhlet time off: 7:50:30

Prep Reagents	Supplier	Lot #
Toluene	Baker	<u>CAIN 01</u>
Hexane	Baker	<u>H37841</u>
H2SO4	Baker	<u>H35703</u>
20% DCM:Hexane	NA	<u>3120-047</u>
65% DCM:Hexane	NA	<u>3120-047</u>
1:1 DCM:Cyclohexane	NA	<u>N/A</u>
75:20:5 DCM:Hexane:Benzene	NA	<u>N/A</u>
Silica Gel	<u>WALMIRA</u>	<u>22-24</u>
Acid Alumina	<u>WVP</u>	<u>19</u>
5% Carbon:Silica Gel	<u>N/A</u>	<u>N/A</u>

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
					290L	Other				
GDD080425 - 50		LX6LV1AC	5/6/2010	<u>10.17</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD140543 - 10		LXQPR1AE	5/12/2010	<u>10.05</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD140543 - 10	S	LXQPR1AF	5/12/2010	<u>10.02</u>			6/4/2010	<u>6-30</u>	<u>R-41C</u>	<u>4</u>
GDD140543 - 10	D	LXQPR1AG	5/12/2010	<u>10.12</u>			6/4/2010	<u>6-30</u>	<u>R-69C</u>	<u>4</u>
GDD150462 - 11		LX1HN1AD	5/13/2010	<u>10.51</u>			6/4/2010	<u>6-30</u>	<u>R-52C</u>	<u>4</u>
GDD160435 - 1		LX2951AD	5/15/2010	<u>10.49</u>			6/4/2010	<u>6-30</u>	<u>R-68C</u>	<u>4</u>
GDD160435 - 3		LX2991AD	5/15/2010	<u>10.07</u>			6/4/2010	<u>6-30</u>	<u>R-66C</u>	<u>4</u>
GDD160435 - 5		LX3AC1AD	5/15/2010	<u>10.61</u>			6/4/2010	<u>6-30</u>	<u>R-89C</u>	<u>4</u>
GDD160435 - 9		LX3AG1AD	5/14/2010	<u>10.10</u>			6/4/2010	<u>6-30</u>	<u>R-43C</u>	<u>4</u>
GDD160435 - 13		LX3AL1AD	5/14/2010	<u>10.42</u>			6/4/2010	<u>6-30</u>	<u>R-64C</u>	<u>4</u>
GDD160435 - 19		LX3AT1AC	5/14/2010	<u>10.46</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD160437 - 1		LX3A01AC	5/14/2010	<u>10.08</u>			6/4/2010	<u>6-30</u>	<u>R-60C</u>	<u>4</u>
GDD160437 - 3		LX3A91AC	5/14/2010	<u>10.16</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD170485 - 1		LX5XP1AC	5/15/2010	<u>10.08</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD170485 - 5		LX5XR1AC	5/15/2010	<u>10.08</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD170485 - 6		LX50Q1AC	5/15/2010	<u>10.14</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD170488 - 1		LX50T1AC	5/15/2010	<u>10.45</u>			6/4/2010	<u>6-30</u>	<u>R-74C</u>	<u>4</u>
GDD170488 - 3		LX50T1AC	5/15/2010	<u>10.07</u>			6/4/2010	<u>6-30</u>	<u>R-76C</u>	<u>4</u>
GDD170489 - 3		LX51F1AC	5/14/2010	<u>10.07</u>			6/4/2010	<u>6-30</u>	<u>NA</u>	<u>4</u>
GDD170491 - 1		LX5131AC	5/15/2010	<u>10.17</u>			6/4/2010	<u>6-30</u>	<u>R-78C</u>	<u>4</u>
GDD170491 - 3		LX5151AC	5/15/2010	<u>10.11</u>			6/4/2010	<u>6-30</u>	<u>R-71C</u>	<u>4</u>
GDD170491 - 5		LX5171AC	5/15/2010	<u>10.05</u>			6/4/2010	<u>6-30</u>	<u>R-40C</u>	<u>4</u>
GDD200000 - 455	B	LX85A1AA	5/15/2010	<u>10.00</u>			6/4/2010	<u>6-30</u>	<u>R-65C</u>	<u>4</u>
GDD200000 - 455	C	LX85A1AC	5/15/2010	<u>10.00</u>			6/4/2010	<u>6-30</u>	<u>R-53C</u>	<u>4</u>

* See attached sheet for sample volumes recorded from scale

Comments/NCMS:

** Wrong vtd - vials, some evidence linked into the samples, many
 have unusual contamination. SAG 4/21/2010*

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	1MGL10DXN12D	10-31-10	AM	AM	4-20-10
Spike Mix LCS/LCSD/MS/MS	50uL100DXN103	10-3-9-11	AM	AM	4-20-10
Cleanup Standard All Samples	1.0mL10DXN119	04/12/2011	T.L.	AS	04/21/10
Recovery Standard All Samples	100µL100DXN388	11/19/10	J	AS	4/22/10
Soxhlet Extraction Analysis/Date	AN 4-20-10	—	T.L. 4/21/10	SAG 4/21/2010	—
		Split/Archive Analysis/Date	Option C Analysis/Date	IFB Analysis/Date	D2 Analysis/Date

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

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to AnalyticalGroup
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 FIGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJT	ADJ2	EXTRACTION VOL	EXCHANGE	SOLVENTS	VOL	SPIKE STANDARD / SURROGATE ID
5/12/10	4/29/10	GOD140543-010 IX0PR-1-AFS		4W	IN SOLID	10.02g 20.00uL	NA	NA	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120	
COMMENTS: GOD140543-010													
5/12/10	4/29/10	GOD140543-010 IX0PR-1-AGD		4W	IN SOLID	10.12g 20.00uL	NA	NA	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120	
COMMENTS: GOD140543-010													
5/13/10	4/29/10	GOD150462-011 IX1HR-1-AD		4W	IN SOLID	10.81g 20.00uL	NA	NA	300.0	C14	20.0	1.0ML IS10DXN120	
COMMENTS: GOD150462-011													
5/15/10	4/29/10	GOD160435-001 IX295-1-AD		4W	IN SOLID	10.49g 20.00uL	NA	NA	300.0	C14	20.0	1.0ML IS10DXN120	
COMMENTS: GOD160435-001													
5/15/10	4/29/10	GOD160435-003 IX299-1-AD		4W	IN SOLID	10.02g 20.00uL	NA	NA	300.0	C14	20.0	1.0ML IS10DXN120	
COMMENTS: GOD160435-003													
5/15/10	4/29/10	GOD160435-005 IX3AC-1-AD		4W	IN SOLID	10.61g 20.00uL	NA	NA	300.0	C14	20.0	1.0ML IS10DXN120	
COMMENTS: GOD160435-005													

ROC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:01

* QC BATCH: 0110455 *

PREP DATE: 4/20/10 20:30
COMP DATE: 4/22/10 23:30

EXTR EXPR	ANL DUE	LOT#, MSRNR#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT/VOL	INIT ADJT	PH"S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/14/10 COMMENTS:	4/29/10	GODD160435-009 IX3AG-1-AD	R	4W	IN SOLID	10.10g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/14/10 COMMENTS:	4/29/10	GODD160435-013 IX3AL-1-AD	R	4W	IN SOLID	10.42g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/14/10 COMMENTS:	4/29/10	GODD160435-019 IX3AT-1-AC	R	4W	IN SOLID	10.46g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/14/10 COMMENTS:	5/03/10	GODD160437-001 IX3AO-1-AC	R	4W	IN SOLID	10.08g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/14/10 COMMENTS:	5/03/10	GODD160437-003 IX3AP-1-AC	R	4W	IN SOLID	10.16g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	4/22/10	GODD170485-001 IX5XK-1-AC	R	4W	IN SOLID	10.09g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	4/22/10	GODD170485-005 IX5XP-1-AC	R	4W	IN SOLID	10.08g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	4/22/10	GODD170485-006 IX5XR-1-AC	R	4W	IN SOLID	10.14g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	5/03/10	GODD170488-001 IX5QO-1-AC	R	4W	IN SOLID	10.06g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	5/03/10	GODD170488-003 IX5OT-1-AC	R	4W	IN SOLID	10.45g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:01

* QC BATCH: 0110455 *
* *****

PREP DATE: 4/20/10 20:30
COMP DATE: 4/22/10 23:30

EXTR EXPR	ANL DUE	LOT#, MSRNUM#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT/ VOL	INIT ADJT	PH'S ADJT	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SUPROGATE ID
5/14/10 COMMENTS:	5/03/10	GODD170489-003 IK51F-1-AC		4W	IN SOLID	10.07g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	5/03/10	GODD170491-001 IK513-1-AC		4W	IN SOLID	10.14g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	5/03/10	GODD170491-003 IK515-1-AC		4W	IN SOLID	10.11g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	5/03/10	GODD170491-005 IK517-1-AC		4W	IN SOLID	10.05g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/06/10 COMMENTS:	4/22/10	GODD080425-050 IK61V-1-AC		4W	IN SOLID	10.17g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	0/00/00	GODD200000-455 IK85A-1-AAB		4W	IN SOLID	10.00g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	1.0ML IS10DXN120
5/15/10 COMMENTS:	0/00/00	GODD200000-455 IK85A-1-ACC		4W	IN SOLID	10.00g 20.00uL	NA	NA	NA	TOL	300.0 C14	20.0	50.0uL NS10DXN103 1.0ML IS10DXN120

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

NUMBER OF WORK ORDERS IN BATCH: 24

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Sample Dilution Record

Method ID 8290

Lot # G0D080425

Analyst (Print Name) Mark Grandfield

Analyst Initials MS

Date 4/27/10

<u>Sample#</u>	<u>Original F.V. (uL)</u>	<u>Aliquot (uL)</u>	<u>Dilution F.V. (uL)</u>	<u>Dilution Factor</u>
50	10	1.0	20	20x

Comments:

Preparation Data Review Checklist

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

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0110455 Method ID: 829P

DB-5
Data Analyst: VS
Date initiated: 5.4.10
Reviewer: M. Wall
Date reviewed: 5/4/2010

DB-225
Data Analyst: VS
Date initiated: 5.4.10
Reviewer: M. Wall
Date reviewed: 5/4/2010

QA/QC verification:

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

Sample Analysis:

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

Comments: (Use other side if necessary)

(1) SCC 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: 0105351

Analyzed by: FRANCISF

Report created: 4/16/10 9:42:06 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
30D080425-18	LXM7K1AC	1.31	8.59	7.99	0.60	8.24	91.76	0.1		4/16/10 6:59:38 AM
30D080425-18	LXM7K1AE	1.31	8.70	8.09	0.61	8.25	91.75	0.1		4/16/10 6:59:45 AM
30D080425-22	LXM7T1AA	1.31	8.08	7.49	0.59	8.71	91.29	0.1		4/16/10 7:00:07 AM
G0D080425-28	LXM731AC	1.31	8.08	7.59	0.49	7.24	92.76	0.1		4/16/10 7:00:13 AM
G0D080425-35	LXM8R1AC	1.31	8.11	7.63	0.48	7.06	92.94	0.1		4/16/10 7:00:20 AM
G0D100461-26	LXR841AD	1.31	7.78	7.28	0.50	7.73	92.27	0.1		4/16/10 7:00:26 AM
G0D130435-21	LXV551AD	1.31	7.92	7.51	0.41	6.20	93.80	0.1		4/16/10 7:00:32 AM
G0D130435-22	LXV571AC	1.31	8.25	7.81	0.44	6.34	93.66	0.1		4/16/10 7:00:38 AM
G0D130435-23	LXV591AC	1.31	7.74	7.35	0.39	6.07	93.93	0.1		4/16/10 7:00:45 AM
G0D130435-24	LXV6A1AD	1.31	9.09	8.62	0.47	6.04	93.96	0.1		4/16/10 7:00:50 AM
G0D130523-1	LXWWQ1AD	1.31	6.14	5.79	0.35	7.25	92.75	0.1		4/16/10 7:00:57 AM
G0D130523-13	LXWXF1AD	1.31	7.04	6.66	0.38	6.63	93.37	0.1		4/16/10 7:01:04 AM
G0D140422-1	LXXKG1AC	1.31	7.94	7.62	0.32	4.83	95.17	0.1		4/16/10 7:01:11 AM
G0D140422-3	LXXKQ1AC	1.31	7.14	6.80	0.34	5.83	94.17	0.1		4/16/10 7:01:17 AM
G0D140422-5	LXXKW1AC	1.31	7.02	6.64	0.38	6.65	93.35	0.1		4/16/10 7:01:23 AM
G0D140422-7	LXXK41AC	1.31	6.87	6.64	0.23	4.14	95.86	0.1		4/16/10 7:01:29 AM
G0D140422-9	LXXLD1AC	1.31	7.18	6.78	0.40	6.81	93.19	0.1		4/16/10 7:01:35 AM
G0D140422-11	LXXLV1AC	1.31	7.48	7.10	0.38	6.16	93.84	0.1		4/16/10 7:01:40 AM
G0D140530-1	LX0MA1AA	1.31	8.57	2.64	5.93	81.68	18.32			4/16/10 7:01:46 AM
G0D080425-47	LX1XL1AA	1.31	6.42	6.12	0.30	5.87	94.13	0.1		4/16/10 7:01:52 AM
G0D080425-48	LX1X41AA	1.31	7.55	7.09	0.46	7.37	92.63	0.1		4/16/10 7:01:58 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).

% Water = (Wt. Diff. / (sample wet weight - pan tare)) * 100

% Solid = 100 - percent Water

% Moisture/Solid Worksheet

QCBATCH: 0109283

Analyzed by: FRANCISF

Report created: 4/20/10 7:48:39 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
A0D080499-1	LXNMA1AC	1.31	10.11	7.94	2.17	24.66	75.34			4/20/10 7:46:51 AM
30D090441-10	LXQAE1AC	1.31	6.09	5.84	0.25	5.23	94.77	0.1		4/20/10 7:46:59 AM
30D090441-10	LXQAE1AE	1.31	7.05	6.75	0.30	5.23	94.77	0.1		4/20/10 7:47:06 AM
30D090441-11	LXQAK1AC	1.31	7.91	7.43	0.48	7.27	92.73	0.1		4/20/10 7:47:28 AM
30D100461-1	LXR781AC	1.31	8.07	7.70	0.37	5.47	94.53	0.1		4/20/10 7:47:35 AM
30D100461-3	LXR8A1AC	1.31	7.58	7.08	0.50	7.97	92.03	0.1		4/20/10 7:47:41 AM
30D100461-8	LXR8G1AC	1.31	8.74	8.31	0.43	5.79	94.21	0.1		4/20/10 7:47:47 AM
30D100461-17	LXR8R1AC	1.31	7.72	7.29	0.43	6.71	93.29	0.1		4/20/10 7:47:53 AM
30D140543-10	LX0PR1AD	1.31	7.53	7.17	0.36	5.79	94.21	0.1		4/20/10 7:47:58 AM
30D160435-1	LX2951AC	1.31	7.12	6.75	0.37	6.37	93.63	0.1		4/20/10 7:48:04 AM
30D160435-3	LX2991AC	1.31	6.72	6.36	0.36	6.65	93.35	0.1		4/20/10 7:48:10 AM
30D160435-5	LX3AC1AC	1.31	7.00	6.58	0.42	7.38	92.62	0.1		4/20/10 7:48:16 AM
30D160435-9	LX3AG1AC	1.31	7.10	6.90	0.20	3.45	96.55	0.1		4/20/10 7:48:22 AM
30D160435-13	LX3AL1AC	1.31	7.38	7.11	0.27	4.45	95.55	0.1		4/20/10 7:48:28 AM
30D080425-50	LX6LV1AA	1.31	6.83	6.54	0.29	5.25	94.75	0.1		4/20/10 7:48:34 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).
 $\% \text{ Water} = (\text{Wt. Diff.} / (\text{sample wet weight} - \text{pan tare})) * 100$
 $\% \text{ Solid} = 100 - \text{percent Water}$