

May 4, 2010

TestAmerica Project Number: G0D140422

PO/Contract: 2027.01

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 14, 2010. These samples are associated with your Tronox 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

Table of Contents

TestAmerica West Sacramento Project Number G0D140422

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, Dioxins/Furans

Samples: 1, 3, 5, 7, 9, 11

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 1, 3, 5, 7, 9, 11

Sample Data Sheets

Laboratory QC Reports

Raw Data Package

Case Narrative

TestAmerica West Sacramento Project Number G0D140422

SOLID, 8290, Dioxins/Furans

Sample(s): 1, 3, 5, 7, 9, 11

The internal standard recoveries of several analytes is lower than the method recommended goal. Generally, 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 recoveries for several analytes are outside the established control limits for the matrix spike/matrix spike duplicate (MS/MSD) associated with this batch. The concentrations of the analytes in the parent sample are greater than 4 times the added spike concentration. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control. No further action was taken.

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on April 28, 2010.

Sample(s): 1, 3

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

Sample(s): 5, 7, 11

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

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

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

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

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

QC Parameter Definitions

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

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

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

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

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

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

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

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

Sample Summary

TestAmerica West Sacramento Project Number G0D140422

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LXXKG	1	SSAJ3-02-1BPC	4/12/2010 09:57 AM	4/14/2010 08:50 AM
LXXKQ	3	SSAH3-01-1BPC	4/12/2010 12:00 PM	4/14/2010 08:50 AM
LXXKW	5	SSAM7-03-1BPC	4/12/2010 09:13 AM	4/14/2010 08:50 AM
LXXK4	7	SSAM7-04-1BPC	4/12/2010 12:00 PM	4/14/2010 08:50 AM
LXXLD	9	SSAN7-02-1BPC	4/12/2010 04:39 PM	4/14/2010 08:50 AM
LXXLV	11	SSAN6-06-1BPC	4/12/2010 02:45 PM	4/14/2010 08:50 AM

Notes(s):

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

3

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

Required Project Information:												Required Invoice Information:																			
Lab Name: Test America Laboratories Inc				Site ID #102: TRONOX LLC, HENDERSON				Send Invoice to: Susan Crowley Tronox LLC.				COC # 02027.01.2009				Total # of Samples: 23				Event Complete?											
Address: 880 Riverside Parkway				Project #: 2027.01				Address: PO Box 85				Regular				Rush				X				Mark One							
West Sacramento, CA 95605				City: Henderson				State: NV, Zip: 89009				City/State: Henderson, NV 89009				Phone #: (949) 290-9293															
Lab Pk: David Allucier				Site PM Name: Derrick Williams				Site PM Email: derrick.willie@ngem.com				Send EDD to: Frank.Hagan@ngem.com				UNPRES															
Phone/Fac: (916) 373-9900				Phone/Fac: (949) 278-7004				CC Hardcopy report to: PDF Electronic Version Only - FTP Upload				UNPRES																			
Lab PM email: David.Allucier@testamericalabs.com				Applicable Lab Quote #:				CC Hardcopy report to: See Additional Comments Below				UNPRES																			
ITEM #	SAMPLE ID	SAMPLE LOCATION	SAMPLE CODE	G-GRAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	Comments/Lab Sample I.D.	Reg	Rush	Event Complete?	Temp in OC	Sample on Ice?	Sample Intact?	Temp Blank?															
1	SSAJ3-02-1BPC		SO	G	N	04/12/2010	09:57	1	24 h TAT 8290 Screen Hold 8290 Full	X																					
2	SSAJ3-02-2BPC		SO	G	N	04/12/2010	09:16	1	24 h TAT 8290 Screen Hold 8290 Full	X																					
3	SSAJ3-02-3BPC		SO	G	N	04/12/2010	09:21	1	Hold All	H																					
4	SSAJ3-02-4BPC		SO	G	N	04/12/2010	09:23	1	Hold All	H																					
5	SSAJ3-02-5BPC		SO	G	N	04/12/2010	09:58	1	Hold All	H																					
6	SSAJ3-02-6BPC		SO	G	N	04/12/2010	09:31	1	Hold All	H																					
7	SSAJ3-02-7BPC		SO	G	N	04/12/2010	09:37	1	Hold All	H																					
8	SSAJ3-02-8BPC		SO	G	N	04/12/2010	09:39	1	Hold All	H																					
9	SSAJ3-02-9BPC		SO	G	N	04/12/2010	09:46	1	Hold All	H																					
10	SSAJ3-02-10BPC		SO	G	N	04/12/2010	09:50	1	Hold All	H																					
11	SSAJ3-02-1BPC_FD		SO	G	FD	04/12/2010	09:57	1	Hold All	H																					
12	SSAJ3-02-5BPC_MS		SO	G	MS	04/12/2010	09:58	1	Hold All	H																					
13	SSAH3-01-2BPC_FD		SO	G	FD	04/12/2010	12:39	1	Hold All	H																					
14	SSAH3-01-1BPC		SO	G	N	04/12/2010	12:00	1	24 h TAT 8290 Screen Hold 8290 Full	X																					
15	SSAH3-01-2BPC		SO	G	N	04/12/2010	12:39	1	24 h TAT 8290 Screen Hold 8290 Full	X																					
16	SSAH3-01-3BPC		SO	G	N	04/12/2010	12:07	1	Hold All	H																					
17	SSAH3-01-4BPC		SO	G	N	04/12/2010	12:12	1	Hold All	H																					
18	SSAH3-01-5BPC		SO	G	N	04/12/2010	12:14	1	Hold All	H																					
19	SSAH3-01-6BPC		SO	G	N	04/12/2010	12:20	1	Hold All	H																					
20	SSAH3-01-7BPC		SO	G	N	04/12/2010	12:21	1	Hold All	H																					

4/12/10 11:45
4/13/10 7:14
4/13/10 12:00
4/13/10 12:39
4/13/10 12:07
4/13/10 12:12
4/13/10 12:14
4/13/10 12:20
4/13/10 12:21

Handwritten signatures and notes:

David Allucier
Derrick Williams
Susan Crowley
Frank Hagan

Company: Test America Laboratories Inc
Tracking #: 02027.01.2009



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 Ship to Lab:		Required Project Information:		Required Invoice Information:		Event Complete?								
Lab Name:	Lab Address:	Site ID #:	Project #:	Send Invoice to:	Address:	Regular	Temp In DC							
TestAmerica Laboratories Inc	West Sacramento, CA 95606	TRONOX LLC, HENDERSON	2027.01	Susan Crewley Tronox LLC.	PO Box 88									
Address: 880 Riverside Parkway	Site Address: 600 W Lake Mead Drive	City: Henderson	State: NV	Zip: 89009	Phone #: (949) 260-9293									
Lab Pk: David Altschuler	Site PM Name: Derrick Wills	Phone/Fac: (916) 373-5000	Phone/Fac: (949) 375-7004	Send EDD to: Frank.Meggs@engm.com	CC Hardcopy report to: PDF Electronic Version Only - FTP Upload									
Lab PM Email: david.altschuler@testamtlabs.com	Site PM Email: derrick.wills@engm.com	Applicable Lab Code #:		CC Hardcopy report to: See Additional Comments Below										
ITEM #	SAMPLE ID Samples Do NOT BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G-RAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	NOF CONTAINERS	Comments/Lab Sample I.D.	Analysis	Temp In DC	Samples on Ice?	Sample Intact?	Trip Blank?
	SSAN6-02-1BPC	SSAN6-02	SO	G	N	04/12/2010	07:26	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X H				
	SSAN6-02-1BPC, FD	SSAN6-02	SO	G	FD	04/12/2010	07:26	1	Hold	H				
	SSAN6-02-2BPC	SSAN6-02	SO	G	N	04/12/2010	07:32	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X H				
	SSAN6-02-3BPC	SSAN6-02	SO	G	N	04/12/2010	07:38	1	Hold All	H H				
	SSAN6-02-4BPC	SSAN6-02	SO	G	N	04/12/2010	07:44	1	Hold All	H H				
	SSAN6-02-5BPC	SSAN6-02	SO	G	N	04/12/2010	07:53	1	Hold All	H H				
	SSAN6-02-6BPC	SSAN6-02	SO	G	N	04/12/2010	08:01	1	Hold All	H H				
	SSAN6-02-7BPC	SSAN6-02	SO	G	N	04/12/2010	08:09	1	Hold All	H H				
	SSAN6-02-8BPC	SSAN6-02	SO	G	N	04/12/2010	08:16	1	Hold All	H H				
	SSAN6-02-9BPC	SSAN6-02	SO	G	N	04/12/2010	08:23	1	Hold All	H H				
	SSAN6-02-10BPC	SSAN6-02	SO	G	N	04/12/2010	08:30	1	Hold All	H H				
	SSAM7-03-1BPC	SSAM7-03	SO	G	N	04/12/2010	08:19	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X H				
	SSAM7-03-2BPC	SSAM7-03	SO	G	N	04/12/2010	08:19	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X H				
	SSAM7-03-3BPC	SSAM7-03	SO	G	N	04/12/2010	08:26	1	Hold All	H H				
	SSAM7-03-4BPC	SSAM7-03	SO	G	N	04/12/2010	08:33	1	Hold All	H H				
	SSAM7-03-5BPC	SSAM7-03	SO	G	N	04/12/2010	08:39	1	Hold All	H H				
	SSAM7-03-6BPC	SSAM7-03	SO	G	N	04/12/2010	08:46	1	Hold All	H H				
	SSAM7-03-7BPC, FD	SSAM7-03	SO	G	FD	04/12/2010	08:39	1	Hold	H				
	SSAM7-03-7BPC	SSAM7-03	SO	G	N	04/12/2010	08:52	1	Hold All	H H				
	SSAM7-03-8BPC	SSAM7-03	SO	G	N	04/12/2010	10:00	1	Hold All	H H				

Additional Comments/Special Instructions:
 VPC 1/23 done 8/11
 4/12/10 9:23
 4/13/10 8:11
 14/1/10 08:00
 Company: [Signature]
 Tracking #: [Signature]

COPY

Page: 1 of 1
Cooler #

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Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document
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Required Ship to Lab:		Required Project Information:		Required Invoice Information:		Event Complete?									
Lab Name:	Address:	Site ID #:	Project #:	Seed Invoice to:	PO #:	Regular	Mark One								
Test America Laboratories Inc	880 Riverside Parkway West Sacramento, CA 95605	TRONOX LLC, HENDERSON	2027.01	Susan Crowley Tronox LLC.											
Lab Address:	560 W Lake Mead Drive	City:	Henderson	City/State:	Henderson, NV 89009										
Lab P.M.:	David Altkucker	State:	NV, 89009	Phone #:	(949) 260-9293										
Phone/Fax:	(916) 373-6600	Site P.M. Name:	Derrick Willis	PO #:											
Lab P.M. email:	David.Altkucker@testamericainc.com	Phone/Fax:	(949) 373-7004	Send EDD to:	Frank.Hagar@ngem.com										
Applicable Lab Quota #:		Site P.M. Email:	derrick.willis@ngem.com	CC Hardcopy report to:	PDF Electronic Version Only - FTP Upload										
				CC Hardcopy report to:	See Additional Comments Below										
SAMPLE ID		SAMPLE LOCATION		SAMPLE TYPE		SAMPLE TIME		SAMPLE DATE		G=GRAB C=COMP		MATRIX CODE		COMMENTS/LAB SAMPLE I.D.	
Samples IDs MUST BE UNIQUE															
SSAM7-04-1BPC		SSAM7-04		G	N	SO		12:00	04/12/2010	1				24 h TAT 8290 Screen Hold 8290 Full	
SSAM7-04-2BPC		SSAM7-04		G	N	SO		12:06	04/12/2010	1				24 h TAT 8290 Screen Hold 8290 Full	
SSAM7-04-3BPC		SSAM7-04		G	N	SO		12:13	04/12/2010	1				Hold All	
SSAM7-04-4BPC		SSAM7-04		G	N	SO		12:22	04/12/2010	1				Hold All	
SSAM7-04-5BPC		SSAM7-04		G	N	SO		12:30	04/12/2010	1				Hold All	
SSAM7-04-6BPC		SSAM7-04		G	N	SO		12:37	04/12/2010	1				Hold All	
SSAM7-04-7BPC		SSAM7-04		G	N	SO		12:44	04/12/2010	1				Hold All	
SSAM7-04-8BPC		SSAM7-04		G	N	SO		12:52	04/12/2010	1				Hold All	
SSAM7-04-9BPC		SSAM7-04		G	N	SO		13:00	04/12/2010	1				Hold All	
SSAM7-04-10BPC		SSAM7-04		G	FD	SO		13:07	04/12/2010	1				Hold All	

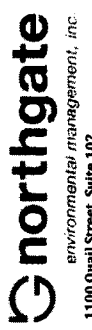
Additional Comments/Special Instructions:

4/12/10 1923
4/12/10 1923
4/13/10 1617
14 APR 10 0900

Company: *Test America*
Tracking #: *111210*

Temp in OC: *19.2*

Full Analysis Requested 4115110
 Page: 1 of 1
 Cooler # G0D140422



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 Newport Beach, CA 92660 (949) 260-9293

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Required Ship to Lab: Lab Name: Test America Laboratories Inc Address: 880 Riverside Parkway West Sacramento, CA 95605 Lab Pk: David Altucker Phone/Fax: (916) 373-5600 Lab Pk email: David.Altucker@testamericainc.com Applicable Lab Quote #:		Required Project Information: Site ID #: 102 Project #: 2027.01 Site Address: 560 W Lake Mead Drive City: Henderson State: NV Zip: 89008 Site PM Name: Derrick Willis Phone/Fax: (949) 375-7004 Site PM Email: derrick.willits@ngem.com		Required Invoicing Information: Send Invoicing to: Susan Crowley/Troxel LLC Address: PO Box 55 City/State: Henderson, NV 89008 Phone #: (949) 260-9293 PO #:		COC # 02027.01.1909 ACTIVATED 2010-04-14 Total # of Samples: 11 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
	SSAM7-04-1BPC	SSAM7-04	SO	G	N	04/12/2010	12:00	1	Screen completed, 10-d TAT 8290 Full	X			
	SSAM7-04-2BPC	SSAM7-04	SO	G	N	04/12/2010	12:06	1	24 h TAT 8290 Screen Hold 8290 Full	X			
	SSAM7-04-3BPC	SSAM7-04	SO	G	N	04/12/2010	12:13	1	Hold All	H			
	SSAM7-04-4BPC	SSAM7-04	SO	G	N	04/12/2010	12:22	1	Hold All	H			
	SSAM7-04-5BPC	SSAM7-04	SO	G	N	04/12/2010	12:30	1	Hold All	H			
	SSAM7-04-5BPC FD	SSAM7-04	SO	G	N	04/12/2010	12:30	1	Hold All	H			
	SSAM7-04-6BPC	SSAM7-04	SO	G	N	04/12/2010	12:37	1	Hold All	H			
	SSAM7-04-7BPC	SSAM7-04	SO	G	N	04/12/2010	12:44	1	Hold All	H			
	SSAM7-04-8BPC	SSAM7-04	SO	G	N	04/12/2010	12:52	1	Hold All	H			
	SSAM7-04-9BPC	SSAM7-04	SO	G	N	04/12/2010	13:00	1	Hold All	H			
	SSAM7-04-10BPC	SSAM7-04	SO	G	FD	04/12/2010	13:07	1	Hold All	H			
Additional Comments/Special Instructions: Modified by Jont Fisher NGEN 2010-04-14 (modifications shown in bold font)										Sample Receipt Conditions Temp in OC Samples on Ice? Sample Intact? Trip Blank?			
Company: _____ Tracking #: _____ PRINT Name of SAMPLER: _____ DATE Signed: _____ SIGNATURE of SAMPLER: _____ Time: _____													

Fwl Analysis Requested 4/15/10 600140422

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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, 89008
 Site PM Name: Derrick Willis
 Phone/Fax: (949) 375-7004
 Site PM Email: derrick.willis@ngem.com

Required Invoice Information:
 Send Invoice to: Suan Crowley Tronox LLC
 Address: PO Box 55
 City/State: Henderson, NV 89009 Phone #: (849) 260-9293
 PO #: _____

CC Hardcopy report to PDF Electronic Version Only - FTP Upload
 CC Hardcopy report to See Additional Comments Below

COC # 02027.01.1911 ACTIVATED 2010-04-14
 Total # of Samples: 22 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		Mark One
										Y/N	X	Y/N	X	
SSAN6-02-1BPC	SSAN6-02	SO	G	N	04/12/2010	07:26	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X	H				
SSAN6-02-1BPC_FD	SSAN6-02	SO	G	FD	04/12/2010	07:26	1	Hold	H					
SSAN6-02-2BPC	SSAN6-02	SO	G	N	04/12/2010	07:32	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X	H				
SSAN6-02-3BPC	SSAN6-02	SO	G	N	04/12/2010	07:38	1	Hold All	H					
SSAN6-02-4BPC	SSAN6-02	SO	G	N	04/12/2010	07:44	1	Hold All	H					
SSAN6-02-5BPC	SSAN6-02	SO	G	N	04/12/2010	07:53	1	Hold All	H					
SSAN6-02-6BPC	SSAN6-02	SO	G	N	04/12/2010	08:01	1	Hold All	H					
SSAN6-02-7BPC	SSAN6-02	SO	G	N	04/12/2010	08:09	1	Hold All	H					
SSAN6-02-8BPC	SSAN6-02	SO	G	N	04/12/2010	08:16	1	Hold All	H					
SSAN6-02-9BPC	SSAN6-02	SO	G	N	04/12/2010	08:23	1	Hold All	H					
SSAN6-02-10BPC	SSAN6-02	SO	G	N	04/12/2010	08:30	1	Hold All	H					
SSAM7-03-1BPC	SSAM7-03	SO	G	N	04/12/2010	08:13	1	screen completed, 10-d TAT full Dioxin	X	X				
SSAM7-03-2BPC	SSAM7-03	SO	G	N	04/12/2010	08:19	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X	H				
SSAM7-03-3BPC	SSAM7-03	SO	G	N	04/12/2010	08:26	1	Hold All	H					
SSAM7-03-4BPC	SSAM7-03	SO	G	N	04/12/2010	08:33	1	Hold All	H					
SSAM7-03-5BPC	SSAM7-03	SO	G	N	04/12/2010	09:39	1	Hold All	H					
SSAM7-03-6BPC	SSAM7-03	SO	G	N	04/12/2010	09:46	1	Hold All	H					
SSAM7-03-5BPC_FD	SSAM7-03	SO	G	FD	04/12/2010	09:39	1	Hold	H					
SSAM7-03-7BPC	SSAM7-03	SO	G	N	04/12/2010	09:52	1	Hold All	H					
SSAM7-03-8BPC	SSAM7-03	SO	G	N	04/12/2010	10:00	1	Hold All	H					

Additional Comments/Special Instructions:
 Modified by Joni Fisher NGEEM 2010-04-14 (modifications shown in bold font)

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

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

Full Analysts
Requested 4/15/10
GOD140422
422
OK 4/15/10



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.

Page: 1 of 2
Cooler #

Required Project Information: Site ID #: 102 Project #: 2027 01 Site Address: 560 W Lake Mead Drive City: Henderson State, Zip: NV, 89009 Lab Pk: David Altmucker Phone/Fax: (916) 373-5600 Lab PM email: David.Altmucker@bestamerica.com Applicable Lab Quote #:		Required Invoice Information: Send Invoice to: Susan Crowley Tironox LLC Address: PO Box 55 City/State: Henderson, NV 89009 Phone #: (949) 260-9293 PO #		COC # 02027 01.2009 ACTIVATE 2010-04-14 Total # of Samples: 23 Event Complete?							
Required Project Information: Site ID #: 102 Project #: 2027 01 Site Address: 560 W Lake Mead Drive City: Henderson State, Zip: NV, 89009 Lab Pk: David Altmucker Phone/Fax: (916) 373-5600 Lab PM email: David.Altmucker@bestamerica.com Applicable Lab Quote #:		Required Invoice Information: Send Invoice to: Susan Crowley Tironox LLC Address: PO Box 55 City/State: Henderson, NV 89009 Phone #: (949) 260-9293 PO #		COC # 02027 01.2009 ACTIVATE 2010-04-14 Total # of Samples: 23 Event Complete?							
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
SSAJ3-02-1BPC	SSAJ3-02	SO	G	N	04/12/2010	09:57	1	screen completed, 10-d TAT 8290 Full	X	X	
SSAJ3-02-2BPC	SSAJ3-02	SO	G	N	04/12/2010	09:16	1	24 h TAT 8290 Screen Hold 8290 Full	X	X	
SSAJ3-02-3BPC	SSAJ3-02	SO	G	N	04/12/2010	09:21	1	Hold All	H	H	
SSAJ3-02-4BPC	SSAJ3-02	SO	G	N	04/12/2010	09:23	1	Hold All	H	H	
SSAJ3-02-5BPC	SSAJ3-02	SO	G	N	04/12/2010	09:58	1	Hold All	H	H	
SSAJ3-02-6BPC	SSAJ3-02	SO	G	N	04/12/2010	09:31	1	Hold All	H	H	
SSAJ3-02-7BPC	SSAJ3-02	SO	G	N	04/12/2010	09:37	1	Hold All	H	H	
SSAJ3-02-8BPC	SSAJ3-02	SO	G	N	04/12/2010	09:39	1	Hold All	H	H	
SSAJ3-02-9BPC	SSAJ3-02	SO	G	N	04/12/2010	09:46	1	Hold All	H	H	
SSAJ3-02-10BPC	SSAJ3-02	SO	G	N	04/12/2010	09:50	1	Hold All	H	H	
SSAJ3-02-1BPC_FD	SSAJ3-02	SO	G	FD	04/12/2010	09:57	1	10-d TAT 8290 Full	X	X	
SSAJ3-02-5BPC_MS	SSAJ3-02	SO	G	MS	04/12/2010	09:58	1	Hold All	H	H	
SSAH3-01-2BPC_FD	SSAH3-01	SO	G	FD	04/12/2010	12:39	1	Hold All	H	H	
SSAH3-01-1BPC	SSAH3-01	SO	G	N	04/12/2010	12:00	1	screen completed, 10-d TAT 8290 Full	X	X	
SSAH3-01-2BPC	SSAH3-01	SO	G	N	04/12/2010	12:39	1	24 h TAT 8290 Screen Hold 8290 Full	X	X	
SSAH3-01-3BPC	SSAH3-01	SO	G	N	04/12/2010	12:07	1	Hold All	H	H	
SSAH3-01-4BPC	SSAH3-01	SO	G	N	04/12/2010	12:12	1	Hold All	H	H	
SSAH3-01-5BPC	SSAH3-01	SO	G	N	04/12/2010	12:14	1	Hold All	H	H	
SSAH3-01-6BPC	SSAH3-01	SO	G	N	04/12/2010	12:20	1	Hold All	H	H	
SSAH3-01-7BPC	SSAH3-01	SO	G	N	04/12/2010	12:21	1	Hold All	H	H	
Additional Comments/Special Instructions: Modified by Joni Fisher NGEN 2010-04-14 (modifications shown in bold font)											
Sample Receipt Conditions											
Temp in OC: Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N											
Samples on: Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N											
Sample Intact? Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N											
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											
Company: Tracking #:											
Signature of Sampler: Date Signed: Time:											

Full Analysts Requested 4/15/10 GOD140422



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.

Page: 1 of 2
Cooler #: _____ of _____

Required Ship to Lab:
Lab Name: Test America Laboratories Inc
Address: 880 Riverside Parkway
West Sacramento, CA 95605
City: Henderson
State: NV, 89009
Phone/Fac: (916) 373-5600
Lab PM Email: David.Atkin@testamerica.com
Applicable Lab Quote #:

Required Project Information:
Site ID #: 102
Project #: 2027.01
Site Address: 560 W Lake Mead Drive
City: Henderson
State: NV, 89009
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
Henderson, NV 89009
Phone #: (949) 260-9293
PO #:
Send EDD to: Frank.Hagar@ngem.com
CC: Handcopy report to PDF Electronic Version Only - FTP Upload
CC: Handcopy 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		Event Complete?	Mark One
										X	X	X	X		
	SSANT-02-1BPC		SO	G	N	04/12/2010	16:39	1	screen complete, 10-d TAT 8290 full	X	X				
	SSANT-02-1BPC_FD		SO	G	FD	04/12/2010	16:39	1	10-d TAT 8290 full	X	X				
	SSANT-02-2BPC		SO	G	N	04/12/2010	16:43	1	24 hr TAT 8290 Screen	X	H				
	SSANT-02-3BPC		SO	G	N	04/12/2010	16:47	1	Hold All	X	H				
	SSANT-02-4BPC		SO	G	N	04/12/2010	16:50	1	Hold All	X	H				
	SSANT-02-5BPC		SO	G	N	04/12/2010	16:53	1	Hold All	X	H				
	SSANT-02-6BPC		SO	G	N	04/12/2010	16:57	1	Hold All	X	H				
	SSANT-02-7BPC		SO	G	N	04/12/2010	17:01	1	Hold All	X	H				
	SSANT-02-8BPC		SO	G	N	04/12/2010	17:05	1	Hold All	X	H				
	SSANT-02-9BPC		SO	G	N	04/12/2010	17:09	1	Hold All	X	H				
	SSANT-02-10BPC		SO	G	N	04/12/2010	17:13	1	Hold All	X	H				
	SSAN6-06-1BPC		SO	G	N	04/12/2010	14:45	1	screen complete, 10-d TAT 8290 full	X	X				
	SSAN6-06-2BPC		SO	G	N	04/12/2010	14:51	1	24 hr TAT 8290 Screen	X	H				
	SSAN6-06-3BPC		SO	G	N	04/12/2010	14:58	1	Hold All	X	H				
	SSAN6-06-4BPC		SO	G	N	04/12/2010	15:04	1	Hold All	X	H				
	SSAN6-06-5BPC		SO	G	N	04/12/2010	15:10	1	Hold All	X	H				
	SSAN6-06-6BPC		SO	G	N	04/12/2010	15:16	1	Hold All	X	H				
	SSAN6-06-7BPC		SO	G	N	04/12/2010	15:21	1	Hold All	X	H				
	SSAN6-06-8BPC		SO	G	N	04/12/2010	15:26	1	Hold All	X	H				
	SSAN6-06-9BPC		SO	G	N	04/12/2010	15:31	1	Hold All	X	H				

Additional Comments/Special Instructions:
Modified by Joni Fisher NGEN 2010-04-14 (modifications shown in bold font)

Signature of Sampler: _____
Date of Sample: _____
Time: _____

Temp in OC: _____
Samples on: _____
Sample Intact?: _____
Temp Blank?: _____

CLIENT SOUTH GATE PM DA LOG # 64219

LOT# (QUANTIMS ID) G0D140422 QUOTE# 2408T LOCATION WIA

DATE RECEIVED 14 APR 10 TIME RECEIVED 0250 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) 526

SHIPPING CONTAINER(S) TAL CLIENT N/A

COC #(S) _____

TEMPERATURE BLANK Observed: _____ Corrected: _____

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: _____ Average _____ Corrected Average _____

LABORATORY THERMOMETER ID:

IR UNIT: #4 #5 OTHER _____

fl 14 APR 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 APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

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

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

fl 14 APR 10
Initials Date

Notes _____

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

Lot ID: G0D140422

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

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

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

CLIENT: NORTH GATE LOT# (QUANTIMS ID): 908140422

				Checked (✓)
TEMPERATURE RECORD (IN °C)	IR	4 <input type="checkbox"/>	5 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
COOLER ID	<u>1</u>			<input checked="" type="checkbox"/>
CUSTODY SEAL STATUS	<input checked="" type="checkbox"/> INTACT	<input type="checkbox"/> BROKEN	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>
CUSTODY SEAL #(S)	<u> </u>			<input checked="" type="checkbox"/>
COC #(S)	<u> </u>			
TEMPERATURE BLANK: OBSERVED:	<u>1</u>	CORRECTED	<u>2</u>	<input checked="" type="checkbox"/>
SAMPLE TEMPERATURE:				
OBSERVED:	<u>2</u>	<u>2</u>	<u>2</u> AVERAGE: <u>2</u> CORRECTED	<input checked="" type="checkbox"/>
SAMPLES / TESTS (IF NCM REQUIRED):	<u> </u>			<input checked="" type="checkbox"/>
TEMPERATURE RECORD (IN °C)	IR	4 <input type="checkbox"/>	5 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
COOLER ID	<u>2</u>			<input checked="" type="checkbox"/>
CUSTODY SEAL STATUS	<input checked="" type="checkbox"/> INTACT	<input type="checkbox"/> BROKEN	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>
CUSTODY SEAL #(S)	<u> </u>			<input checked="" type="checkbox"/>
COC #(S)	<u> </u>			
TEMPERATURE BLANK: OBSERVED:	<u>1</u>	CORRECTED	<u>2</u>	<input checked="" type="checkbox"/>
SAMPLE TEMPERATURE:				
OBSERVED:	<u>4</u>	<u>3</u>	<u>4</u> AVERAGE: <u>4</u> CORRECTED	<input checked="" type="checkbox"/>
SAMPLES / TESTS (IF NCM REQUIRED):	<u> </u>			<input checked="" type="checkbox"/>
TEMPERATURE RECORD (IN °C)	IR	4 <input type="checkbox"/>	5 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
COOLER ID	<u> </u>			<input checked="" type="checkbox"/>
CUSTODY SEAL STATUS	<input checked="" type="checkbox"/> INTACT	<input type="checkbox"/> BROKEN	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>
CUSTODY SEAL #(S)	<u> </u>			<input checked="" type="checkbox"/>
COC #(S)	<u> </u>			
TEMPERATURE BLANK: OBSERVED:	<u>1</u>	CORRECTED	<u>2</u>	<input checked="" type="checkbox"/>
SAMPLE TEMPERATURE:				
OBSERVED:	<u>2</u>	<u>3</u>	<u>3</u> AVERAGE: <u>3</u> CORRECTED	<input checked="" type="checkbox"/>
SAMPLES / TESTS (IF NCM REQUIRED):	<u> </u>			<input checked="" type="checkbox"/>

Initials [Signature] Date 14 APR 10

CLIENT: NORTH GARD LOT# (QUANTIMS ID): G08 140422

Checked (✓)

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER

COOLER ID 74

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) one

COC #(S) _____

TEMPERATURE BLANK: OBSERVED: 1 CORRECTED 2

SAMPLE TEMPERATURE:

OBSERVED: 2 2 3 AVERAGE: 2 CORRECTED 2

SAMPLES / TESTS (IF NCM REQUIRED): 2/2

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 jl

Date 1/14/2010

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: SSAJ3-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 001
 Date Sampled....: 04/12/10
 Prep Date....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.32 g

Work Order #....: LXXXKG1AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Dilution Factor....: 0.96
 Analyst ID....: Alora Kuczynski

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 4.8
 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	0.22 J Q	0.51	1.0	0.22
1,2,3,7,8-PeCDD	0.90 J	2.5	1.0	0.90
1,2,3,4,7,8-HxCDD	0.99 J	2.5	0.1	0.099
1,2,3,6,7,8-HxCDD	1.2 J	2.5	0.1	0.12
1,2,3,7,8,9-HxCDD	1.1 J	2.5	0.1	0.11
1,2,3,4,6,7,8-HpCDD	1.6 J	2.5	0.01	0.016
OCDD	5.9	5.1	0.0003	0.0018
2,3,7,8-TCDF	0.90 Q CON	0.51	0.1	0.090
1,2,3,7,8-PeCDF	2.1 J	2.5	0.03	0.063
2,3,4,7,8-PeCDF	1.5 J	2.5	0.3	0.45
1,2,3,4,7,8-HxCDF	1.7 J	2.5	0.1	0.17
1,2,3,6,7,8-HxCDF	2.2 J	2.5	0.1	0.22
2,3,4,6,7,8-HxCDF	1.5 J	2.5	0.1	0.15
1,2,3,7,8,9-HxCDF	1.4 J	2.5	0.1	0.14
1,2,3,4,6,7,8-HpCDF	3.2	2.5	0.01	0.032
1,2,3,4,7,8,9-HpCDF	2.1 J	2.5	0.01	0.021
OCDF	9.1	5.1	0.0003	0.0027
Total TEQ Concentration				2.8

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	70	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	50	40 - 135
13C-OCDD	29 *	40 - 135
13C-2,3,7,8-TCDF	58	40 - 135
13C-1,2,3,7,8-PeCDF	67	40 - 135
13C-1,2,3,4,7,8-HxCDF	53	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	46	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAJ3-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140422 - 001	Work Order #....:	LXXKG1AD	Matrix....:	SO
Date Sampled....:	04/12/10	Date Received....:	04/14/10	Instrument ID....:	4D5
Prep Date....:	04/15/10	Analysis Date....:	04/27/10	% Moisture....:	4.8
Prep Batch #:	0105361	Dilution Factor....:	0.96	Units....:	pg/g
Initial Wgt/Vol :	10.32 g	Analyst ID....:	Alora Kuczynski		

Notes:

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

* Surrogate recovery is outside stated control limits.
CON Confirmation analysis.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: SSAJ3-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 001
 Date Sampled....: 04/12/10
 Prep Date.....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.32 g

Work Order #....: LXXKG1AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Instrument ID....: 4D5
 Analyst ID.....: Alora Kuczynski

Matrix.....: SO
 Dilution Factor: 0.96
 Percent Moisture: 4.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	0.22 J Q	0.51	0.039	pg/g
1,2,3,7,8-PeCDD	0.90 J	2.5	0.058	pg/g
1,2,3,4,7,8-HxCDD	0.99 J	2.5	0.033	pg/g
1,2,3,6,7,8-HxCDD	1.2 J	2.5	0.030	pg/g
1,2,3,7,8,9-HxCDD	1.1 J	2.5	0.028	pg/g
1,2,3,4,6,7,8-HpCDD	1.6 J	2.5	0.045	pg/g
OCDD	5.9	5.1	0.15	pg/g
2,3,7,8-TCDF	0.90 Q CON	0.51	0.26	pg/g
1,2,3,7,8-PeCDF	2.1 J	2.5	0.071	pg/g
2,3,4,7,8-PeCDF	1.5 J	2.5	0.075	pg/g
1,2,3,4,7,8-HxCDF	1.7 J	2.5	0.071	pg/g
1,2,3,6,7,8-HxCDF	2.2 J	2.5	0.065	pg/g
2,3,4,6,7,8-HxCDF	1.5 J	2.5	0.071	pg/g
1,2,3,7,8,9-HxCDF	1.4 J	2.5	0.079	pg/g
1,2,3,4,6,7,8-HpCDF	3.2	2.5	0.073	pg/g
1,2,3,4,7,8,9-HpCDF	2.1 J	2.5	0.093	pg/g
OCDF	9.1	5.1	0.14	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	70	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	50	40 - 135
13C-OCDD	29 *	40 - 135
13C-2,3,7,8-TCDF	58	40 - 135
13C-1,2,3,7,8-PeCDF	67	40 - 135
13C-1,2,3,4,7,8-HxCDF	53	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	46	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- * Surrogate recovery is outside stated control limits.
- CON Confirmation analysis.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: SSAH3-01-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 003
 Date Sampled....: 04/12/10
 Prep Date....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.22 g

Work Order #....: LXXKQ1AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Dilution Factor....: 0.97
 Analyst ID....: Alora Kuczynski

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 5.8
 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	0.092 J Q	0.52	1.0	0.092
1,2,3,7,8-PeCDD	0.34 J	2.6	1.0	0.34
1,2,3,4,7,8-HxCDD	0.35 J	2.6	0.1	0.035
1,2,3,6,7,8-HxCDD	0.46 J	2.6	0.1	0.046
1,2,3,7,8,9-HxCDD	0.37 J	2.6	0.1	0.037
1,2,3,4,6,7,8-HpCDD	0.89 J	2.6	0.01	0.0089
OCDD	4.2 J	5.2	0.0003	0.0013
2,3,7,8-TCDF	0.41 J CON	0.52	0.1	0.041
1,2,3,7,8-PeCDF	0.72 J Q	2.6	0.03	0.022
2,3,4,7,8-PeCDF	0.54 J	2.6	0.3	0.16
1,2,3,4,7,8-HxCDF	0.81 J	2.6	0.1	0.081
1,2,3,6,7,8-HxCDF	0.84 J	2.6	0.1	0.084
2,3,4,6,7,8-HxCDF	0.52 J Q	2.6	0.1	0.052
1,2,3,7,8,9-HxCDF	0.51 J	2.6	0.1	0.051
1,2,3,4,6,7,8-HpCDF	1.9 J	2.6	0.01	0.019
1,2,3,4,7,8,9-HpCDF	1.2 J	2.6	0.01	0.012
OCDF	4.9 J	5.2	0.0003	0.0015

Total TEQ Concentration

1.1

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	70	40 - 135
13C-1,2,3,7,8-PeCDD	67	40 - 135
13C-1,2,3,6,7,8-HxCDD	57	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	29 *	40 - 135
13C-OCDD	15 *	40 - 135
13C-2,3,7,8-TCDF	58	40 - 135
13C-1,2,3,7,8-PeCDF	60	40 - 135
13C-1,2,3,4,7,8-HxCDF	46	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	27 *	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAH3-01-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140422 - 003	Work Order #....:	LXXKQ1AD	Matrix....:	SO
Date Sampled....:	04/12/10	Date Received....:	04/14/10	Instrument ID....:	4D5
Prep Date....:	04/15/10	Analysis Date....:	04/27/10	% Moisture....:	5.8
Prep Batch #:	0105361	Dilution Factor....:	0.97	Units.....:	pg/g
Initial Wgt/Vol :	10.22 g	Analyst ID....:	Alora Kuczynski		

Notes:

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

* Surrogate recovery is outside stated control limits.
CON Confirmation analysis.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: SSAH3-01-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 003	Work Order #....: LXXKQ1AD	Matrix....: SO
Date Sampled....: 04/12/10	Date Received....: 04/14/10	Dilution Factor: 0.97
Prep Date....: 04/15/10	Analysis Date....: 04/27/10	Percent Moisture: 5.8
Prep Batch #: 0105361	Instrument ID....: 4D5	
Initial Wgt/Vol : 10.22 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	0.092 J Q	0.52	0.038	pg/g
1,2,3,7,8-PeCDD	0.34 J	2.6	0.045	pg/g
1,2,3,4,7,8-HxCDD	0.35 J	2.6	0.051	pg/g
1,2,3,6,7,8-HxCDD	0.46 J	2.6	0.046	pg/g
1,2,3,7,8,9-HxCDD	0.37 J	2.6	0.043	pg/g
1,2,3,4,6,7,8-HpCDD	0.89 J	2.6	0.10	pg/g
OCDD	4.2 J	5.2	0.24	pg/g
2,3,7,8-TCDF	0.41 J CON	0.52	0.10	pg/g
1,2,3,7,8-PeCDF	0.72 J Q	2.6	0.056	pg/g
2,3,4,7,8-PeCDF	0.54 J	2.6	0.060	pg/g
1,2,3,4,7,8-HxCDF	0.81 J	2.6	0.049	pg/g
1,2,3,6,7,8-HxCDF	0.84 J	2.6	0.044	pg/g
2,3,4,6,7,8-HxCDF	0.52 J Q	2.6	0.049	pg/g
1,2,3,7,8,9-HxCDF	0.51 J	2.6	0.055	pg/g
1,2,3,4,6,7,8-HpCDF	1.9 J	2.6	0.094	pg/g
1,2,3,4,7,8,9-HpCDF	1.2 J	2.6	0.12	pg/g
OCDF	4.9 J	5.2	0.32	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	70	40 - 135
13C-1,2,3,7,8-PeCDD	67	40 - 135
13C-1,2,3,6,7,8-HxCDD	57	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	29 *	40 - 135
13C-OCDD	15 *	40 - 135
13C-2,3,7,8-TCDF	58	40 - 135
13C-1,2,3,7,8-PeCDF	60	40 - 135
13C-1,2,3,4,7,8-HxCDF	46	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	27 *	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- * Surrogate recovery is outside stated control limits.
- CON Confirmation analysis.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: SSAM7-03-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 005
Date Sampled....: 04/12/10
Prep Date....: 04/15/10
Prep Batch #: 0105361
Initial Wgt/Vol : 10.21 g

Work Order #....: LXXKW1AD
Date Received....: 04/14/10
Analysis Date....: 04/27/10
Dilution Factor....: 0.97
Analyst ID....: Alora Kuczynski

Matrix....: SO
Instrument ID....: 4D5
% Moisture....: 6.6
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	12	0.52	1.0	12
1,2,3,7,8-PeCDD	38	2.6	1.0	38
1,2,3,4,7,8-HxCDD	24	2.6	0.1	2.4
1,2,3,6,7,8-HxCDD	47	2.6	0.1	4.7
1,2,3,7,8,9-HxCDD	32	2.6	0.1	3.2
1,2,3,4,6,7,8-HpCDD	160	2.6	0.01	1.6
OCDD	250	5.2	0.0003	0.075
2,3,7,8-TCDF	300	CON	0.1	30
1,2,3,7,8-PeCDF	510		0.03	15
2,3,4,7,8-PeCDF	280		0.3	84
1,2,3,4,7,8-HxCDF	440	G	0.1	44
1,2,3,6,7,8-HxCDF	690	G	0.1	69
2,3,4,6,7,8-HxCDF	140	G	0.1	14
1,2,3,7,8,9-HxCDF	140	G	0.1	14
1,2,3,4,6,7,8-HpCDF	2000	E	0.01	20
1,2,3,4,7,8,9-HpCDF	990		0.01	9.9
OCDF	6500	E	0.0003	2.0

Total TEQ Concentration

360

<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	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	44	40 - 135
13C-OCDD	25	40 - 135
13C-2,3,7,8-TCDF	57	40 - 135
13C-1,2,3,7,8-PeCDF	68	40 - 135
13C-1,2,3,4,7,8-HxCDF	52	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	44	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAM7-03-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140422 - 005	Work Order #....:	LXXKW1AD	Matrix....:	SO
Date Sampled....:	04/12/10	Date Received....:	04/14/10	Instrument ID....:	4D5
Prep Date....:	04/15/10	Analysis Date....:	04/27/10	% Moisture....:	6.6
Prep Batch #:	0105361	Dilution Factor....:	0.97	Units....:	pg/g
Initial Wgt/Vol :	10.21 g	Analyst ID....:	Alora Kuczynski		

Notes:

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

- * Surrogate recovery is outside stated control limits.
- 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: SSAM7-03-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 005
 Date Sampled....: 04/12/10
 Prep Date....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.21 g

Work Order #....: LXXKW1AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Instrument ID....: 4D5
 Analyst ID....: Alora Kuczynski

Matrix....: SO
 Dilution Factor: 0.97
 Percent Moisture: 6.6

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	12		0.52	0.18	pg/g
1,2,3,7,8-PeCDD	38		2.6	0.59	pg/g
1,2,3,4,7,8-HxCDD	24		2.6	0.41	pg/g
1,2,3,6,7,8-HxCDD	47		2.6	0.37	pg/g
1,2,3,7,8,9-HxCDD	32		2.6	0.34	pg/g
1,2,3,4,6,7,8-HpCDD	160		2.6	0.59	pg/g
OCDD	250		5.2	1.1	pg/g
2,3,7,8-TCDF	300	CON	0.52	0.28	pg/g
1,2,3,7,8-PeCDF	510		2.6	1.4	pg/g
2,3,4,7,8-PeCDF	280		2.6	1.5	pg/g
1,2,3,4,7,8-HxCDF	440	G	15	15	pg/g
1,2,3,6,7,8-HxCDF	690	G	14	14	pg/g
2,3,4,6,7,8-HxCDF	140	G	15	15	pg/g
1,2,3,7,8,9-HxCDF	140	G	17	17	pg/g
1,2,3,4,6,7,8-HpCDF	2000	E	2.6	1.2	pg/g
1,2,3,4,7,8,9-HpCDF	990		2.6	1.5	pg/g
OCDF	6500	E	5.2	0.27	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	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	44	40 - 135
13C-OCDD	25	40 - 135
13C-2,3,7,8-TCDF	57	40 - 135
13C-1,2,3,7,8-PeCDF	68	40 - 135
13C-1,2,3,4,7,8-HxCDF	52	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	44	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- * Surrogate recovery is outside stated control limits.
- 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: SSAM7-04-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 007
 Date Sampled....: 04/12/10
 Prep Date....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.1 g

Work Order #....: LXXK41AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Dilution Factor....: 0.99
 Analyst ID....: Alora Kuczynski

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 4.1
 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	4.0	0.52	1.0	4.0
1,2,3,7,8-PeCDD	15	2.6	1.0	15
1,2,3,4,7,8-HxCDD	10	2.6	0.1	1.0
1,2,3,6,7,8-HxCDD	22	2.6	0.1	2.2
1,2,3,7,8,9-HxCDD	14	2.6	0.1	1.4
1,2,3,4,6,7,8-HpCDD	74	2.6	0.01	0.74
OCDD	80	5.2	0.0003	0.024
2,3,7,8-TCDF	110	0.52	0.1	11
1,2,3,7,8-PeCDF	210	2.6	0.03	6.3
2,3,4,7,8-PeCDF	110	2.6	0.3	33
1,2,3,4,7,8-HxCDF	380	5.4	0.1	38
1,2,3,6,7,8-HxCDF	310	4.9	0.1	31
2,3,4,6,7,8-HxCDF	73	5.4	0.1	7.3
1,2,3,7,8,9-HxCDF	53	6.0	0.1	5.3
1,2,3,4,6,7,8-HpCDF	900	2.6	0.01	9.0
1,2,3,4,7,8,9-HpCDF	390	2.6	0.01	3.9
OCDF	2400	5.2	0.0003	0.72

Total TEQ Concentration

170

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	76	40 - 135
13C-1,2,3,7,8-PeCDD	80	40 - 135
13C-1,2,3,6,7,8-HxCDD	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	61	40 - 135
13C-OCDD	43	40 - 135
13C-2,3,7,8-TCDF	64	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	62	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	60	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAM7-04-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140422 - 007	Work Order #....:	LXXK41AD	Matrix....:	SO
Date Sampled....:	04/12/10	Date Received....:	04/14/10	Instrument ID....:	4D5
Prep Date....:	04/15/10	Analysis Date....:	04/27/10	% Moisture....:	4.1
Prep Batch #:	0105361	Dilution Factor....:	0.99	Units....:	pg/g
Initial Wgt/Vol :	10.1 g	Analyst ID....:	Alora Kuczynski		

Notes:

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

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: SSAM7-04-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 007
 Date Sampled....: 04/12/10
 Prep Date....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.1 g

Work Order #....: LXXK41AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Instrument ID....: 4D5
 Analyst ID....: Alora Kuczynski

Matrix.....: SO
 Dilution Factor: 0.99
 Percent Moisture: 4.1

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	4.0		0.52	0.11	pg/g
1,2,3,7,8-PeCDD	15		2.6	0.44	pg/g
1,2,3,4,7,8-HxCDD	10		2.6	0.27	pg/g
1,2,3,6,7,8-HxCDD	22		2.6	0.25	pg/g
1,2,3,7,8,9-HxCDD	14		2.6	0.23	pg/g
1,2,3,4,6,7,8-HpCDD	74		2.6	0.46	pg/g
OCDD	80		5.2	0.43	pg/g
2,3,7,8-TCDF	110	CON	0.52	0.31	pg/g
1,2,3,7,8-PeCDF	210		2.6	0.50	pg/g
2,3,4,7,8-PeCDF	110		2.6	0.53	pg/g
1,2,3,4,7,8-HxCDF	380	G	5.4	5.4	pg/g
1,2,3,6,7,8-HxCDF	310	G	4.9	4.9	pg/g
2,3,4,6,7,8-HxCDF	73	G	5.4	5.4	pg/g
1,2,3,7,8,9-HxCDF	53	G	6.0	6.0	pg/g
1,2,3,4,6,7,8-HpCDF	900		2.6	0.80	pg/g
1,2,3,4,7,8,9-HpCDF	390		2.6	1.0	pg/g
OCDF	2400	E	5.2	1.9	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	76	40 - 135
13C-1,2,3,7,8-PeCDD	80	40 - 135
13C-1,2,3,6,7,8-HxCDD	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	61	40 - 135
13C-OCDD	43	40 - 135
13C-2,3,7,8-TCDF	64	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	62	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	60	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- 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: SSAN7-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D140422 - 009
 Date Sampled....: 04/12/10
 Prep Date....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.24 g

Work Order #....: LXXLD1AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Dilution Factor....: 0.97
 Analyst ID....: Alora Kuczynski

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 6.8
 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	2.4	0.52	1.0	2.4
1,2,3,7,8-PeCDD	11	2.6	1.0	11
1,2,3,4,7,8-HxCDD	6.6	2.6	0.1	0.66
1,2,3,6,7,8-HxCDD	15	2.6	0.1	1.5
1,2,3,7,8,9-HxCDD	11	2.6	0.1	1.1
1,2,3,4,6,7,8-HpCDD	39	2.6	0.01	0.39
OCDD	40	5.2	0.0003	0.012
2,3,7,8-TCDF	130	0.52	0.1	13
1,2,3,7,8-PeCDF	160	2.6	0.03	4.8
2,3,4,7,8-PeCDF	77	2.6	0.3	23
1,2,3,4,7,8-HxCDF	230	2.6	0.1	23
1,2,3,6,7,8-HxCDF	200	2.6	0.1	20
2,3,4,6,7,8-HxCDF	44	2.6	0.1	4.4
1,2,3,7,8,9-HxCDF	42	2.6	0.1	4.2
1,2,3,4,6,7,8-HpCDF	500	2.6	0.01	5.0
1,2,3,4,7,8,9-HpCDF	270	2.6	0.01	2.7
OCDF	1300	5.2	0.0003	0.39
Total TEQ Concentration				120

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	56	40 - 135
13C-1,2,3,7,8-PeCDD	57	40 - 135
13C-1,2,3,6,7,8-HxCDD	50	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	36 *	40 - 135
13C-OCDD	26 *	40 - 135
13C-2,3,7,8-TCDF	49	40 - 135
13C-1,2,3,7,8-PeCDF	53	40 - 135
13C-1,2,3,4,7,8-HxCDF	43	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	35 *	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

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

* Surrogate recovery is outside stated control limits.

CON Confirmation analysis.

Northgate Environmental Management, Inc.

Sample ID: SSAN7-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140422 - 009	Work Order #....:	LXXLD1AD	Matrix....:	SO
Date Sampled....:	04/12/10	Date Received....:	04/14/10	Dilution Factor:	0.97
Prep Date....:	04/15/10	Analysis Date....:	04/27/10	Percent Moisture:	6.8
Prep Batch #:	0105361	Instrument ID....:	4D5		
Initial Wgt/Vol :	10.24 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	2.4	0.52	0.096	pg/g
1,2,3,7,8-PeCDD	11	2.6	0.21	pg/g
1,2,3,4,7,8-HxCDD	6.6	2.6	0.22	pg/g
1,2,3,6,7,8-HxCDD	15	2.6	0.20	pg/g
1,2,3,7,8,9-HxCDD	11	2.6	0.18	pg/g
1,2,3,4,6,7,8-HpCDD	39	2.6	0.32	pg/g
OCDD	40	5.2	0.46	pg/g
2,3,7,8-TCDF	130	0.52	0.13	pg/g
1,2,3,7,8-PeCDF	160	2.6	1.3	pg/g
2,3,4,7,8-PeCDF	77	2.6	1.3	pg/g
1,2,3,4,7,8-HxCDF	230	2.6	1.4	pg/g
1,2,3,6,7,8-HxCDF	200	2.6	1.2	pg/g
2,3,4,6,7,8-HxCDF	44	2.6	1.4	pg/g
1,2,3,7,8,9-HxCDF	42	2.6	1.5	pg/g
1,2,3,4,6,7,8-HpCDF	500	2.6	0.56	pg/g
1,2,3,4,7,8,9-HpCDF	270	2.6	0.72	pg/g
OCDF	1300	5.2	0.26	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	56	40 - 135
13C-1,2,3,7,8-PeCDD	57	40 - 135
13C-1,2,3,6,7,8-HxCDD	50	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	36 *	40 - 135
13C-OCDD	26 *	40 - 135
13C-2,3,7,8-TCDF	49	40 - 135
13C-1,2,3,7,8-PeCDF	53	40 - 135
13C-1,2,3,4,7,8-HxCDF	43	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	35 *	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

CON Confirmation analysis.

Northgate Environmental Management, Inc.

Sample ID: SSAN6-06-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: GOD140422 - 011
Date Sampled....: 04/12/10
Prep Date....: 04/15/10
Prep Batch #: 0105361
Initial Wgt/Vol : 10.04 g

Work Order #....: LXXLV1AD
Date Received....: 04/14/10
Analysis Date....: 04/27/10
Dilution Factor....: 0.99
Analyst ID....: Alora Kuczynski

Matrix....: SO
Instrument ID....: 4D5
% Moisture....: 6.2
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	44	0.53	1.0	44
1,2,3,7,8-PeCDD	150	2.7	1.0	150
1,2,3,4,7,8-HxCDD	110	2.7	0.1	11
1,2,3,6,7,8-HxCDD	190	2.7	0.1	19
1,2,3,7,8,9-HxCDD	150	2.7	0.1	15
1,2,3,4,6,7,8-HpCDD	600	2.7	0.01	6.0
OCDD	560	5.3	0.0003	0.17
2,3,7,8-TCDF	970	E CON 0.53	0.1	97
1,2,3,7,8-PeCDF	1900	E G 4.6	0.03	57
2,3,4,7,8-PeCDF	1000	G 4.9	0.3	300
1,2,3,4,7,8-HxCDF	1200	E G 60	0.1	120
1,2,3,6,7,8-HxCDF	2500	E G 54	0.1	250
2,3,4,6,7,8-HxCDF	530	G 59	0.1	53
1,2,3,7,8,9-HxCDF	500	G 66	0.1	50
1,2,3,4,6,7,8-HpCDF	7400	E G 7.9	0.01	74
1,2,3,4,7,8,9-HpCDF	4500	E G 10	0.01	45
OCDF	18000	E 5.3	0.0003	5.4

Total TEQ Concentration

1300

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	64	40 - 135
13C-1,2,3,7,8-PeCDD	69	40 - 135
13C-1,2,3,6,7,8-HxCDD	57	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	36 *	40 - 135
13C-OCDD	24 *	40 - 135
13C-2,3,7,8-TCDF	53	40 - 135
13C-1,2,3,7,8-PeCDF	66	40 - 135
13C-1,2,3,4,7,8-HxCDF	49	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	31 *	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAN6-06-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140422 - 011	Work Order #....:	LXXLV1AD	Matrix....:	SO
Date Sampled....:	04/12/10	Date Received....:	04/14/10	Instrument ID....:	4D5
Prep Date....:	04/15/10	Analysis Date....:	04/27/10	% Moisture....:	6.2
Prep Batch #:	0105361	Dilution Factor....:	0.99	Units....:	pg/g
Initial Wgt/Vol :	10.04 g	Analyst ID....:	Alora Kuczynski		

Notes:

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

* Surrogate recovery is outside stated control limits.
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: SSAN6-06-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: GOD140422 - 011
 Date Sampled....: 04/12/10
 Prep Date....: 04/15/10
 Prep Batch #: 0105361
 Initial Wgt/Vol : 10.04 g

Work Order #....: LXXLV1AD
 Date Received....: 04/14/10
 Analysis Date....: 04/27/10
 Instrument ID....: 4D5
 Analyst ID....: Alora Kuczynski

Matrix....: SO
 Dilution Factor: 0.99
 Percent Moisture: 6.2

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	44		0.53	0.46	pg/g
1,2,3,7,8-PeCDD	150		2.7	1.9	pg/g
1,2,3,4,7,8-HxCDD	110		2.7	1.2	pg/g
1,2,3,6,7,8-HxCDD	190		2.7	1.1	pg/g
1,2,3,7,8,9-HxCDD	150		2.7	1.0	pg/g
1,2,3,4,6,7,8-HpCDD	600		2.7	1.4	pg/g
OCDD	560		5.3	2.2	pg/g
2,3,7,8-TCDF	970	E CON	0.53	0.48	pg/g
1,2,3,7,8-PeCDF	1900	E G	4.6	4.6	pg/g
2,3,4,7,8-PeCDF	1000	G	4.9	4.9	pg/g
1,2,3,4,7,8-HxCDF	1200	E G	60	60	pg/g
1,2,3,6,7,8-HxCDF	2500	E G	54	54	pg/g
2,3,4,6,7,8-HxCDF	530	G	59	59	pg/g
1,2,3,7,8,9-HxCDF	500	G	66	66	pg/g
1,2,3,4,6,7,8-HpCDF	7400	E G	7.9	7.9	pg/g
1,2,3,4,7,8,9-HpCDF	4500	E G	10	10	pg/g
OCDF	18000	E	5.3	0.44	pg/g

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	64	40 - 135
13C-1,2,3,7,8-PeCDD	69	40 - 135
13C-1,2,3,6,7,8-HxCDD	57	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	36	* 40 - 135
13C-OCDD	24	* 40 - 135
13C-2,3,7,8-TCDF	53	40 - 135
13C-1,2,3,7,8-PeCDF	66	40 - 135
13C-1,2,3,4,7,8-HxCDF	49	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	31	* 40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- * Surrogate recovery is outside stated control limits.
- 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.

QC DATA ASSOCIATION SUMMARY

G0D140422

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
002	SO	TAL-SOP Dioxin Sc		0104255	
003	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
004	SO	TAL-SOP Dioxin Sc		0104255	
005	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
006	SO	TAL-SOP Dioxin Sc		0104255	
007	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
008	SO	TAL-SOP Dioxin Sc		0104255	
009	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
010	SO	TAL-SOP Dioxin Sc		0104255	
011	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	

Method Blank Report
Trace Level Organic Compounds
SW846 8290

Lot - Sample #....: GOD150000 - 361B	Work Order #....: LX2NN1AA	Matrix....: SOLID
Date Sampled....: 04/08/10	Date Received....: 04/10/10	Dilution Factor: 1
Prep Date....: 04/15/10	Analysis Date....: 04/27/10	Percent Moisture: 0.0
Prep Batch #: 0105361	Instrument ID....: 1D5	
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	ND	0.50	0.16	pg/g
1,2,3,7,8-PeCDD	ND	2.5	0.40	pg/g
1,2,3,4,7,8-HxCDD	ND	2.5	0.36	pg/g
1,2,3,6,7,8-HxCDD	ND	2.5	0.33	pg/g
1,2,3,7,8,9-HxCDD	ND	2.5	0.27	pg/g
1,2,3,4,6,7,8-HpCDD	ND	2.5	0.33	pg/g
OCDD	ND	5.0	0.51	pg/g
2,3,7,8-TCDF	ND	0.50	0.18	pg/g
1,2,3,7,8-PeCDF	ND	2.5	0.26	pg/g
2,3,4,7,8-PeCDF	ND	2.5	0.28	pg/g
1,2,3,4,7,8-HxCDF	ND	2.5	0.39	pg/g
1,2,3,6,7,8-HxCDF	ND	2.5	0.34	pg/g
2,3,4,6,7,8-HxCDF	ND	2.5	0.38	pg/g
1,2,3,7,8,9-HxCDF	ND	2.5	0.35	pg/g
1,2,3,4,6,7,8-HpCDF	ND	2.5	0.28	pg/g
1,2,3,4,7,8,9-HpCDF	ND	2.5	0.32	pg/g
OCDF	ND	5.0	0.53	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	81	40 - 135
13C-1,2,3,7,8-PeCDD	87	40 - 135
13C-1,2,3,6,7,8-HxCDD	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 135
13C-OCDD	89	40 - 135
13C-2,3,7,8-TCDF	73	40 - 135
13C-1,2,3,7,8-PeCDF	87	40 - 135
13C-1,2,3,4,7,8-HxCDF	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	109	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: G0D140422	Work Order # ...: LX2NNIAC-LCS	Matrix : SOLID
LCS Lot-Sample# : G0D150000 - 361		
Prep Date : 04/15/10	Analysis Date ...: 04/27/10	
Prep Batch # ...: 0105361		
Dilution Factor : 1		
Analyst ID.....: Alora Kuczynski	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	20.4	pg/g	102	(77 - 130)
1,2,3,7,8-PeCDD	100	109	pg/g	109	(79 - 134)
1,2,3,4,7,8-HxCDD	100	88.7	pg/g	89	(65 - 144)
1,2,3,6,7,8-HxCDD	100	112	pg/g	112	(73 - 147)
1,2,3,7,8,9-HxCDD	100	93.4	pg/g	93	(80 - 143)
1,2,3,4,6,7,8-HpCDD	100	107	pg/g	107	(86 - 134)
OCDD	200	219	pg/g	110	(80 - 137)
2,3,7,8-TCDF	20.0	21.4	pg/g	107	(79 - 137)
1,2,3,7,8-PeCDF	100	101	pg/g	101	(81 - 134)
2,3,4,7,8-PeCDF	100	104	pg/g	104	(76 - 132)
1,2,3,4,7,8-HxCDF	100	101	pg/g	101	(72 - 140)
1,2,3,6,7,8-HxCDF	100	91.2	pg/g	91	(63 - 152)
2,3,4,6,7,8-HxCDF	100	110	pg/g	110	(72 - 151)
1,2,3,7,8,9-HxCDF	100	97.8	pg/g	98	(72 - 152)
1,2,3,4,6,7,8-HpCDF	100	106	pg/g	106	(81 - 137)
1,2,3,4,7,8,9-HpCDF	100	88.2	pg/g	88	(79 - 139)
OCDF	200	205	pg/g	102	(75 - 141)

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	78	(40 - 135)
13C-1,2,3,7,8-PeCDD	80	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	101	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	110	(40 - 135)
13C-OCDD	101	(40 - 135)
13C-2,3,7,8-TCDF	70	(40 - 135)
13C-1,2,3,7,8-PeCDF	80	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	121	(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 # ...:	G0D140422	Work Order # ...:	LXTAR1AD-MS	Matrix	SOLID
OS Lot-Sample# :	G0D100464 - 001		LXTAR1AE-MSD		
Prep Date	04/15/10	Analysis Date ...:	04/30/10		
Prep Batch # ...:	0105361				
Dilution Factor :	19.8				
Analyst ID.....:	Susan X. Yan	Instrument ID.:	4D5	Method.....:	SW846 8290
Initial Wgt/Vol:	10.18 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	47	21.5	61.5	pg/g	65 a	(77 - 130)		
	47	21.6	91.9	pg/g	206 a p	(77 - 130)	40	(0 - 30)
1,2,3,7,8-PeCDD	170	108	244	pg/g	72 a	(79 - 134)		
	170	108	324	pg/g	145 a	(79 - 134)	28	(0 - 29)
1,2,3,4,7,8-HxCDD	130	108	194	pg/g	59 a	(65 - 144)		
	130	108	215	pg/g	78	(65 - 144)	10	(0 - 36)
1,2,3,6,7,8-HxCDD	260	108	334	pg/g	66 a	(73 - 147)		
	260	108	402	pg/g	130	(73 - 147)	19	(0 - 36)
1,2,3,7,8,9-HxCDD	230	108	263	pg/g	29 a	(80 - 143)		
	230	108	315	pg/g	77 a	(80 - 143)	18	(0 - 31)
1,2,3,4,6,7,8-HpCDD	910	108	804	pg/g	0.0 a	(86 - 134)		
	910	108	1120	pg/g	194 a	(86 - 134)	0.0	(0 - 28)
OCDD	1300	215	1230	pg/g	0.0 a	(80 - 137)		
	1300	216	1500	pg/g	93	(80 - 137)	0.0	(0 - 32)
2,3,7,8-TCDF	1400	21.5	1210	pg/g	0.0 a CON C	(79 - 137)		
	1400	21.6	2260	pg/g	4070a E G C	(79 - 137)	0.0	(0 - 30)
1,2,3,7,8-PeCDF	2800	108	2480	pg/g	0.0 a	(81 - 134)		
	2800	108	3710	pg/g	862 a	(81 - 134)	0.0	(0 - 27)
2,3,4,7,8-PeCDF	1600	108	1410	pg/g	0.0 a	(76 - 132)		
	1600	108	2100	pg/g	505 a	(76 - 132)	0.0	(0 - 31)
1,2,3,4,7,8-HxCDF	6500	108	5770	pg/g	0.0 a	(72 - 140)		
	6500	108	7800	pg/g	1230a G	(72 - 140)	0.0	(0 - 32)
1,2,3,6,7,8-HxCDF	3700	108	3480	pg/g	0.0 a	(63 - 152)		
	3700	108	4840	pg/g	1040a G	(63 - 152)	0.0	(0 - 38)
2,3,4,6,7,8-HxCDF	800	108	966	pg/g	158 a	(72 - 151)		
	800	108	1260	pg/g	427 a G	(72 - 151)	26	(0 - 35)
1,2,3,7,8,9-HxCDF	660	108	684	pg/g	18 a G	(72 - 152)		
	660	108	898	pg/g	215 a G	(72 - 152)	27	(0 - 36)
1,2,3,4,6,7,8-HpCDF	13000	108	11700	pg/g	0.0 a	(81 - 137)		
	13000	108	15400	pg/g	2420a G	(81 - 137)	0.0	(0 - 33)
1,2,3,4,7,8,9-HpCDF	6800	108	8130	pg/g	1200a G	(79 - 139)		
	6800	108	10400	pg/g	3340a G	(79 - 139)	25	(0 - 35)
OCDF	34000	215	27300	pg/g	0.0 a	(75 - 141)		
	34000	216	46300	pg/g	5560a E	(75 - 141)	0.0	(0 - 45)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: G0D140422	Work Order # ...: LXTAR1AD-MS	Matrix : SOLID
OS Lot-Sample# : G0D100464 - 001	LXTAR1AE-MSD	
Prep Date : 04/15/10	Analysis Date ..: 04/30/10	
Prep Batch # ...: 0105361		
Dilution Factor : 19.8		
Analyst ID.....: Susan X. Yan	Instrument ID.: 4D5	Method.....: SW846 8290
Initial Wgt/Vol: 10.18 g		

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	73	(40 - 135)
	77	(40 - 135)
13C-1,2,3,7,8-PeCDD	71	(40 - 135)
	69	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	66	(40 - 135)
	68	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	32 *	(40 - 135)
	26 *	(40 - 135)
13C-OCDD	15 *	(40 - 135)
	9.8 *	(40 - 135)
13C-2,3,7,8-TCDF	70	(40 - 135)
	69	(40 - 135)
13C-1,2,3,7,8-PeCDF	56	(40 - 135)
	59	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	56	(40 - 135)
	59	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	22 *	(40 - 135)
	22 *	(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.
- 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.
- p Relative percent difference (RPD) is outside stated control limits.

SOLID, D 2216-90, Percent Moisture

Northgate Environmental Management, Inc.

Client Sample ID: SSAJ3-02-1BPC

General Chemistry

Lot-Sample #...: GOD140422-001 Work Order #...: LXXKG Matrix.....: SO
Date Sampled...: 04/12/10 Date Received...: 04/14/10
% Moisture.....: 4.8

<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	4.8	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAH3-01-1BPC

General Chemistry

Lot-Sample #....: GOD140422-003
Date Sampled....: 04/12/10
% Moisture.....: 5.8

Work Order #....: LXXKQ
Date Received...: 04/14/10

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	5.8	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAM7-03-1BPC

General Chemistry

Lot-Sample #...: GOD140422-005 Work Order #...: LXXXW Matrix.....: SO
Date Sampled...: 04/12/10 Date Received...: 04/14/10
% Moisture.....: 6.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	6.7	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAM7-04-1BPC

General Chemistry

Lot-Sample #...: GOD140422-007 Work Order #...: LXXX4 Matrix.....: SO
Date Sampled...: 04/12/10 Date Received...: 04/14/10
% Moisture.....: 4.1

<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	4.1	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAN7-02-1BPC

General Chemistry

Lot-Sample #....: GOD140422-009

Work Order #....: LXXLD

Matrix.....: SO

Date Sampled....: 04/12/10

Date Received...: 04/14/10

% Moisture.....: 6.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	6.8	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAN6-06-1BPC

General Chemistry

Lot-Sample #...: GOD140422-011 Work Order #...: LXXLV Matrix.....: SO
Date Sampled...: 04/12/10 Date Received...: 04/14/10
% Moisture.....: 6.2

<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	6.2	0.10	%	ASTM D 2216-90	04/15-04/16/10	0105351

Dilution Factor: 1

QC DATA ASSOCIATION SUMMARY

G0D140422

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
002	SO	TAL-SOP Dioxin Sc		0104255	
003	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
004	SO	TAL-SOP Dioxin Sc		0104255	
005	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
006	SO	TAL-SOP Dioxin Sc		0104255	
007	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
008	SO	TAL-SOP Dioxin Sc		0104255	
009	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	
010	SO	TAL-SOP Dioxin Sc		0104255	
011	SO	SW846 8290		0105361	0109258
	SO	ASTM D 2216-90		0105351	0105229
	SO	TAL-SOP Dioxin Sc		0104255	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: GOD140422

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

Matrix.....: SOLID

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>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	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

SOLID, 8290, Dioxins/Furans

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

sample raw data

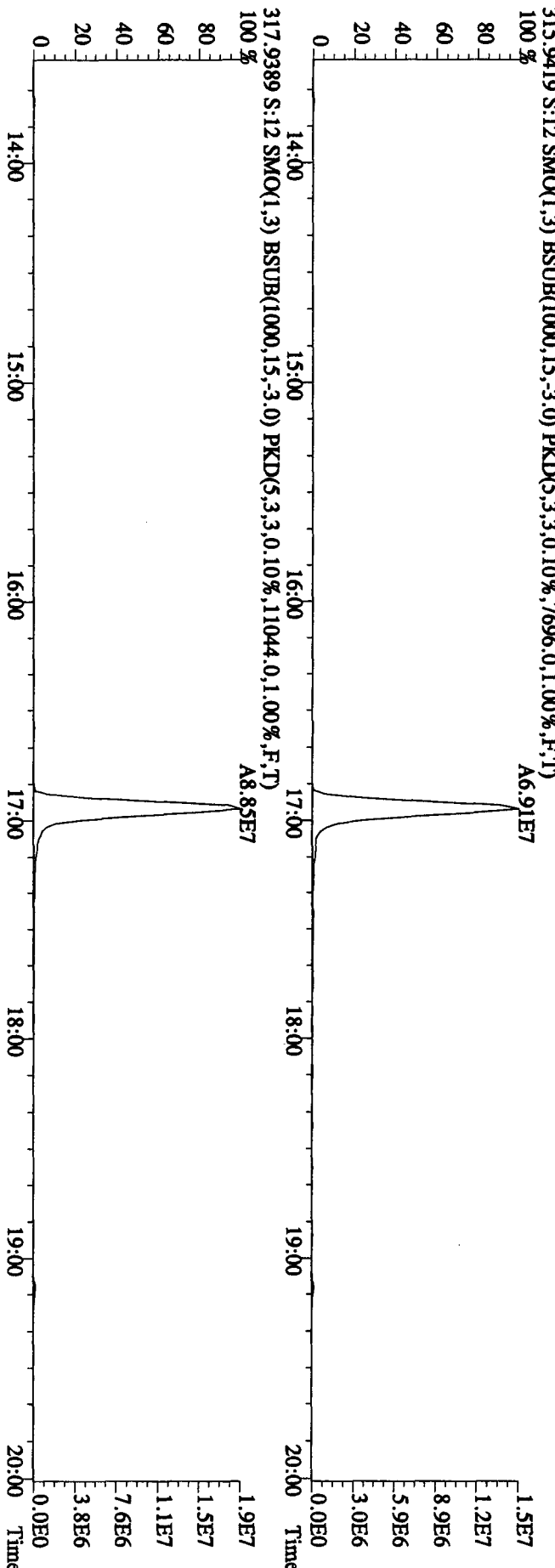
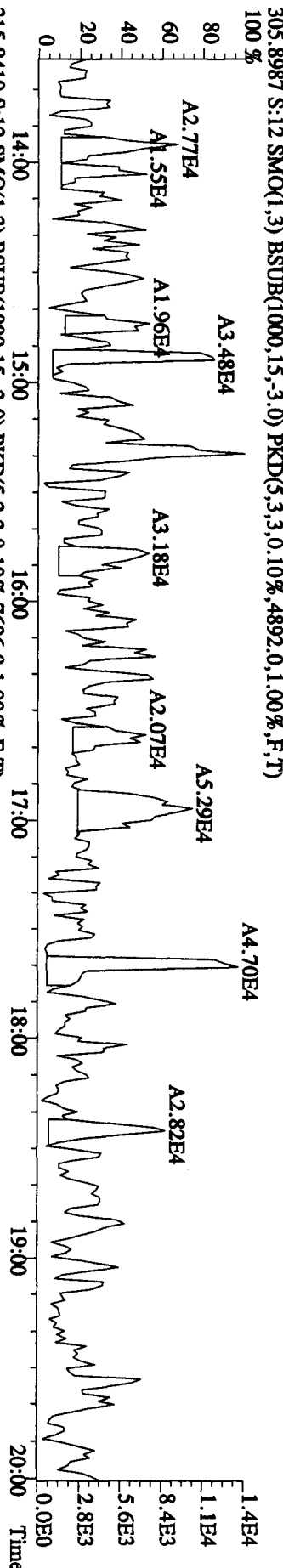
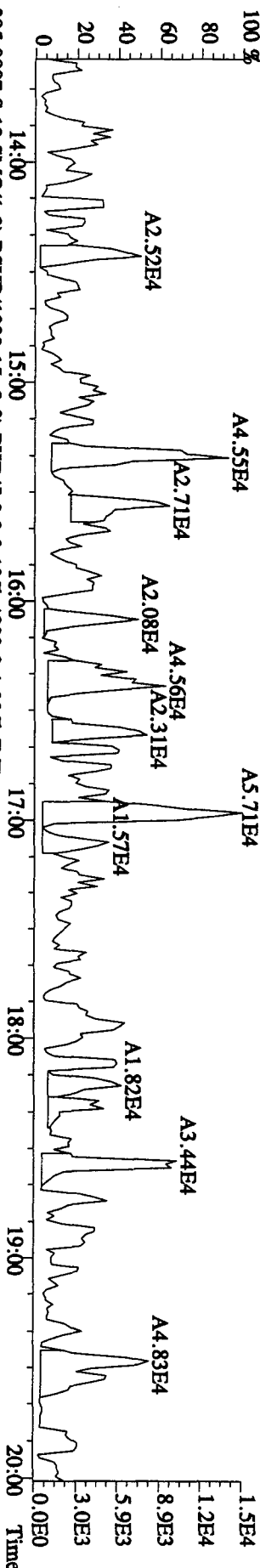
ms tune data

5

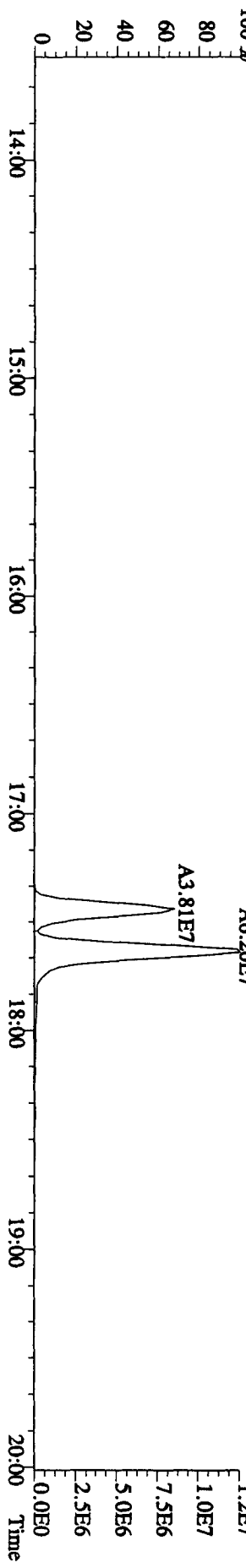
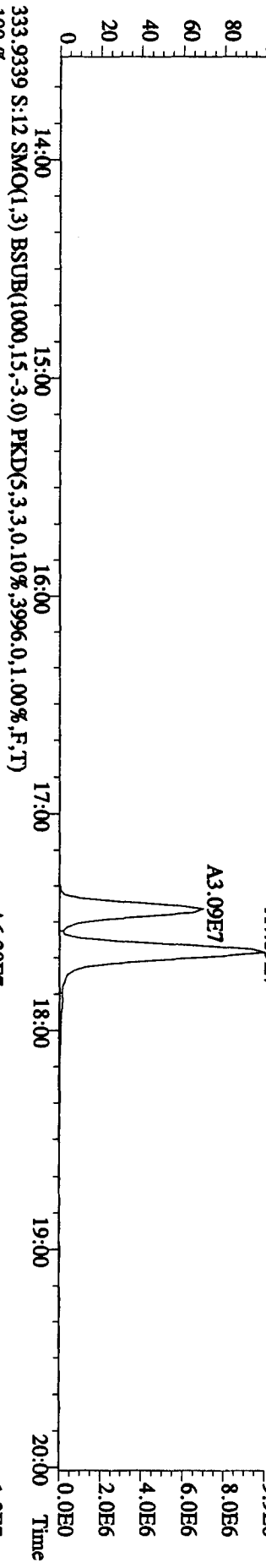
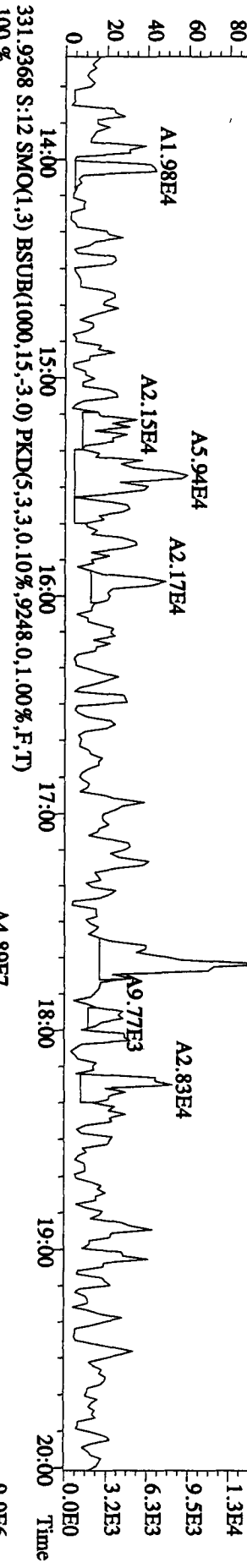
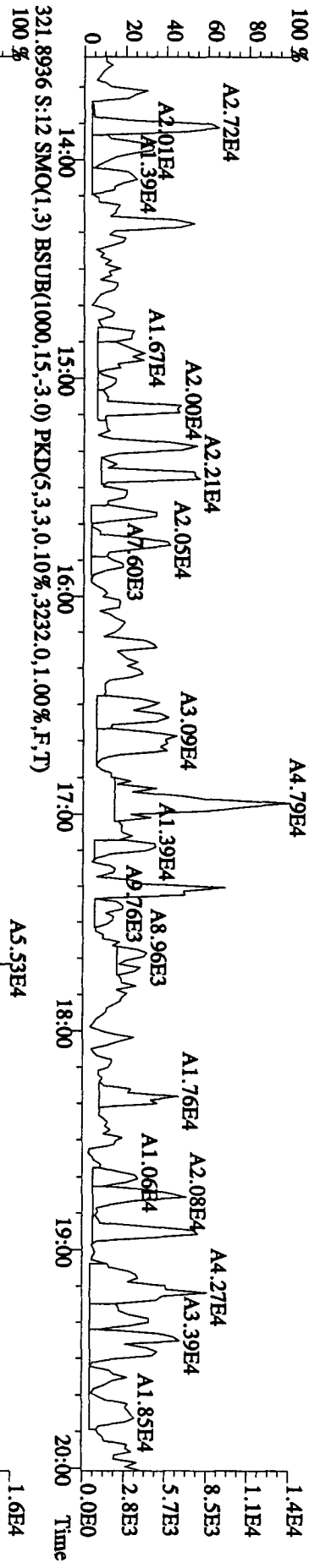
Run text: LX2NN-1-AA Sample text: LX2NN-1-AA :G0D150000-361B (461-26)
 Run #14 Filename: 26AP10A1D5 S: 12 I: 1 Results: 26AP10A4D58290
 Acquired: 27-APR-10 02:43:26 Processed: 27-APR-10 10:17:38
 Run: 26AP10A1D5 Analyte: 8290HRS Cal: 82901231091D5
 Sample size: 10.00 g

4/27/10
me
/Somers

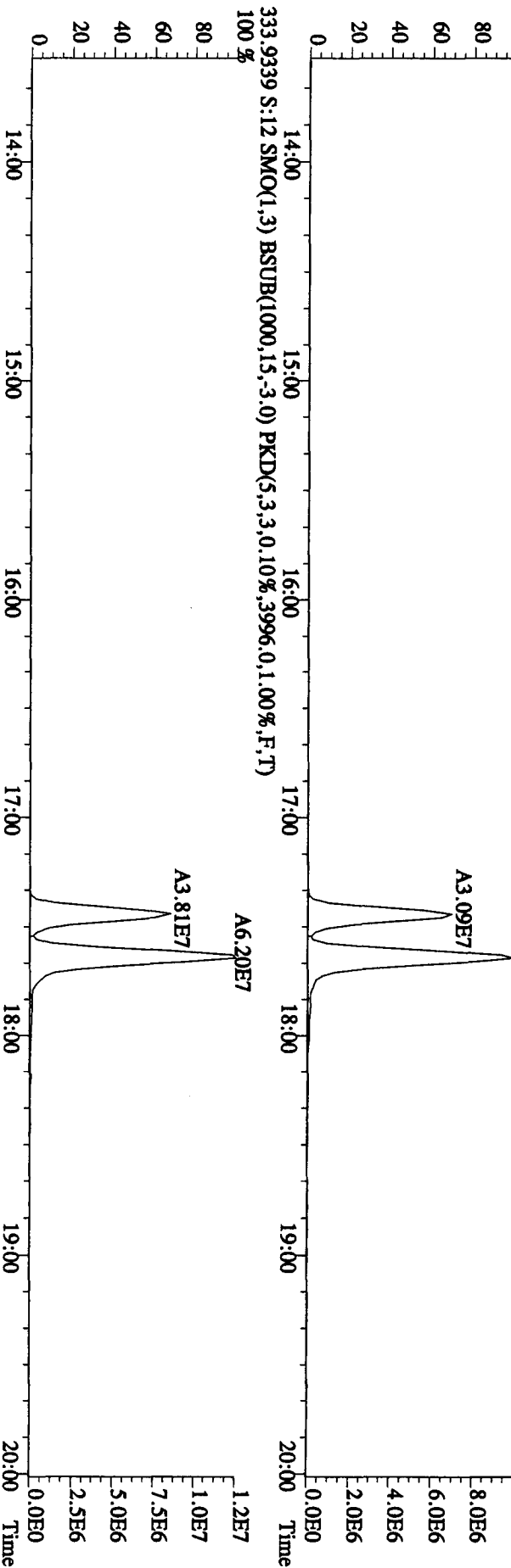
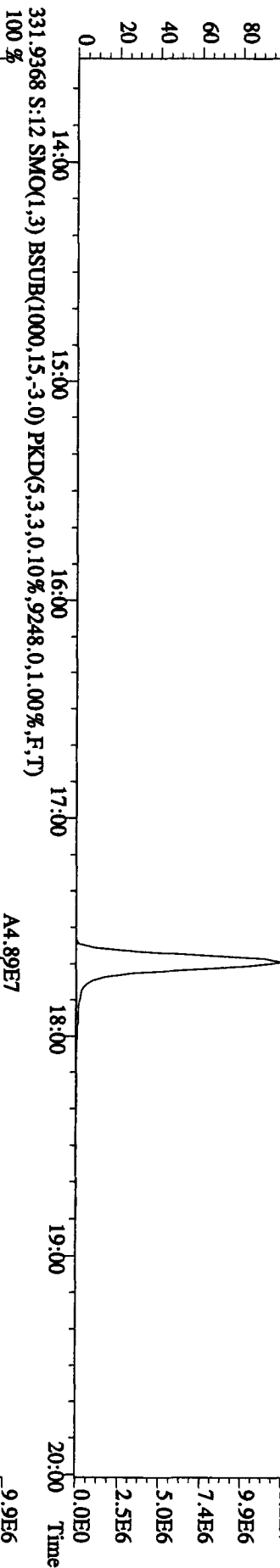
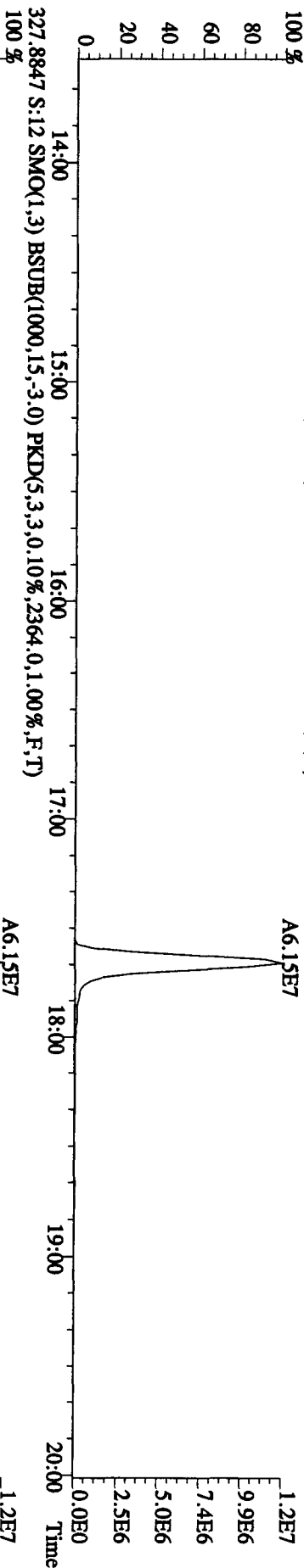
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	68990756	0.81 y	17:26	-	2.2148	-	-	n
13C-2,3,7,8-TCDF	157540760	0.78 y	16:57	1.57	145.8149	0.2320	72.9	n
2,3,7,8-TCDF	93635	1.08 n	16:58	0.86	0.1382	0.1751	-	n
Total TCDF	130250	1.12 n	16:37	0.86	0.1923	0.1751	-	n
13C-2,3,7,8-TCDD	110939504	0.79 y	17:39	0.99	161.8851	0.2585	80.9	n
2,3,7,8-TCDD	20590	0.16 n	17:39	0.93	0.0398	0.1559	-	n
Total TCDD	179383	0.70 y	14:05	0.93	0.3483	0.1559	-	n
37Cl-2,3,7,8-TCDD	122959792	1.00 y	17:40	2.22	80.3516	0.0413	100.4	n
13C-1,2,3,7,8-PeCDF	128963448	1.68 y	21:53	1.07	174.2350	0.5379	87.1	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.00	*	0.2604	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*	0.2774	-	n
Total F2 PeCDF	*	* n	NotFnd	0.97	*	0.2686	-	n
Total F1 PeCDF	230102	0.64 n	14:09	0.97	0.3681	0.1805	-	n
13C-1,2,3,7,8-PeCDD	80049878	1.68 y	23:55	0.67	174.1261	0.1898	87.1	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.93	*	0.3988	-	n
Total PeCDD	133811	1.56 y	21:53	0.93	0.3598	0.3988	-	n
13C-1,2,3,7,8,9-HxCDD	55024908	1.28 y	32:02	-	2.0061	-	-	n
13C-1,2,3,4,7,8-HxCDF	78014468	0.49 y	30:07	0.89	158.8009	0.1382	79.4	n
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.20	*	0.3897	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.37	*	0.3408	-	n
2,3,4,6,7,8-HxCDF	61704	0.85 n	31:18	1.24	0.1274	0.3762	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.33	*	0.3524	-	n
Total HxCDF	104007	0.85 n	31:18	1.28	0.2118	0.3637	-	n
13C-1,2,3,6,7,8-HxCDD	76548016	1.34 y	31:39	0.73	190.0257	0.0982	95.0	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.97	*	0.3611	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.06	*	0.3309	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.28	*	0.2746	-	n
Total HxCDD	*	* n	NotFnd	1.10	*	0.3180	-	n
13C-1,2,3,4,6,7,8-HpCDF	102720284	0.44 y	33:52	0.86	217.0366	1.7427	108.5	n
1,2,3,4,6,7,8-HpCDF	170135	1.41 n	33:53	1.29	0.2575	0.2823	-	n
1,2,3,4,7,8,9-HpCDF	111897	0.70 n	35:06	1.14	0.1919	0.3199	-	n
Total HpCDF	282031	1.41 n	33:53	1.21	0.4494	0.2999	-	n
13C-1,2,3,4,6,7,8-HpCDD	86144100	1.05 y	34:45	0.75	208.1371	0.8515	104.1	n
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.00	*	0.3261	-	n
Total HpCDD	47061	2.37 n	33:51	1.00	0.1095	0.3261	-	n
13C-OCDD	110807980	0.91 y	37:22	0.56	356.7839	1.2561	89.2	n
OCDF	162925	1.10 n	37:29	1.44	0.4092	0.5330	-	n
OCDD	115421	1.12 n	37:23	1.11	0.3755	0.5052	-	n



File:26AP10A1D5 #1-384 Acq:27-APR-2010 02:43:26 GC EI+ Voltage SIR 70SE
 Sample#12 Text:LX2NN-1-AA :G0D150000-361B (461-26) Exp:DIOXIN
 319.8965 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2204,0,1,00%,F,T)
 100 %



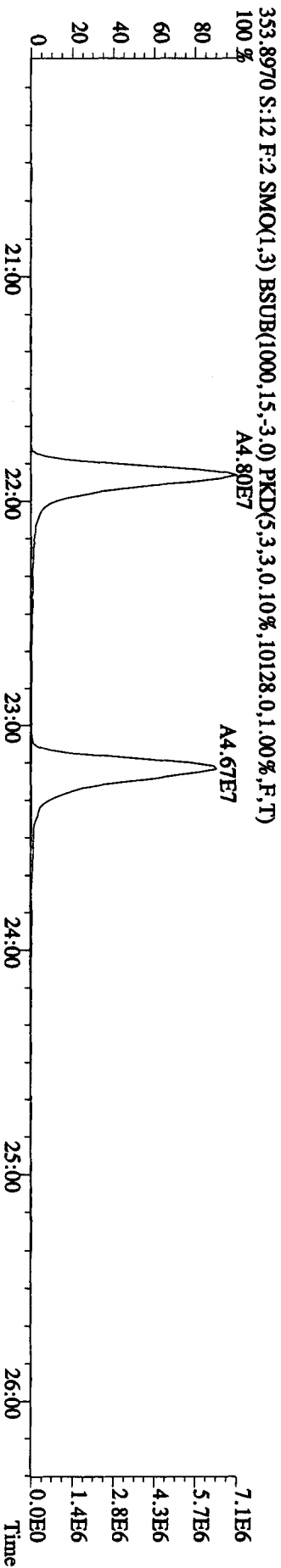
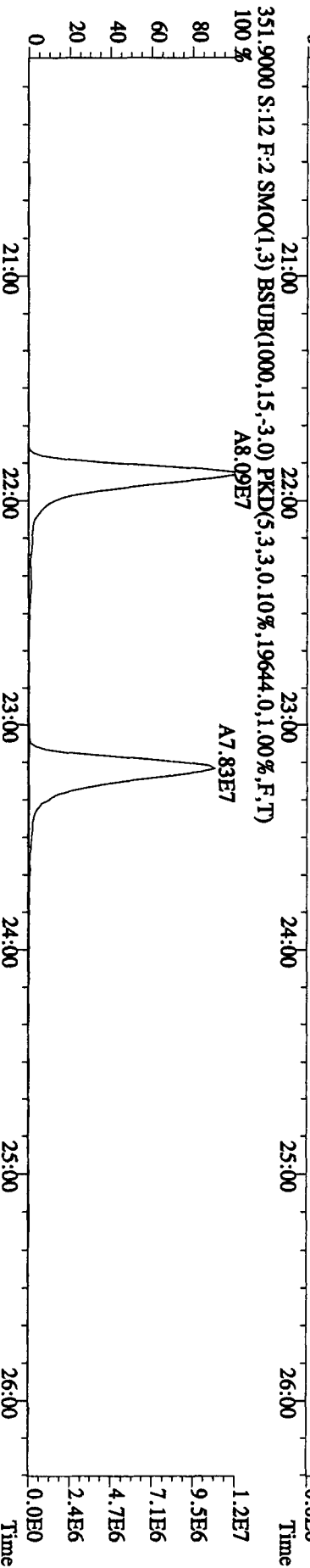
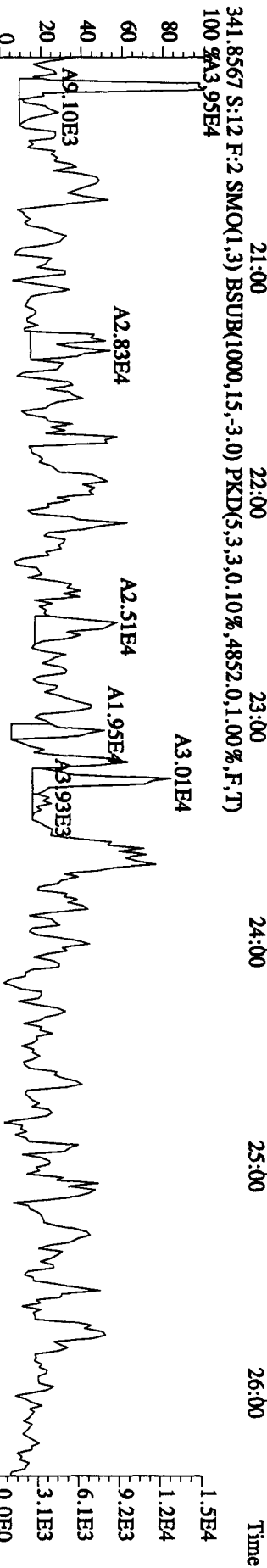
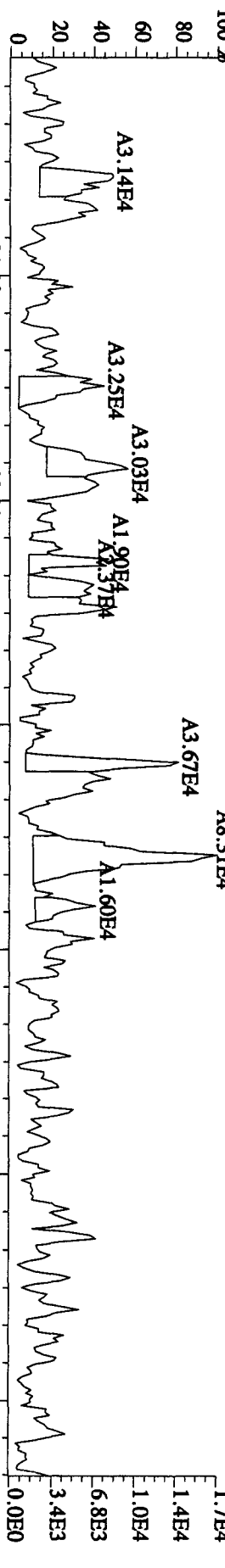
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327.8847 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2364,0.1,00%,F,T)
100 %



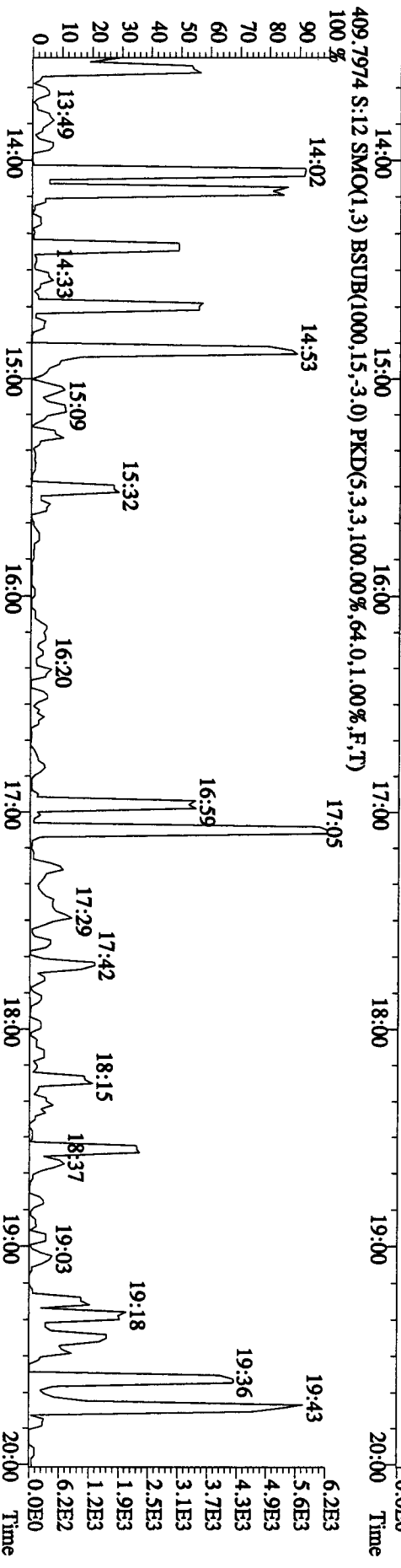
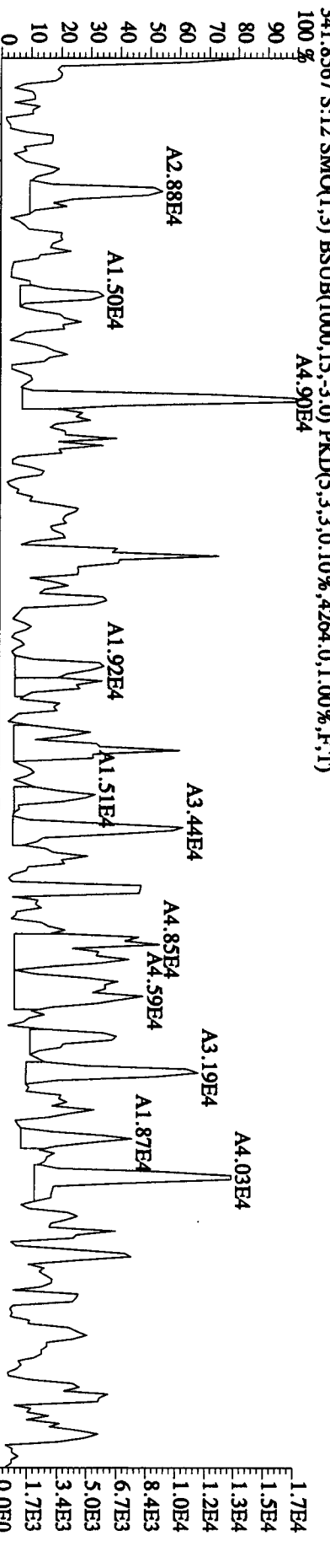
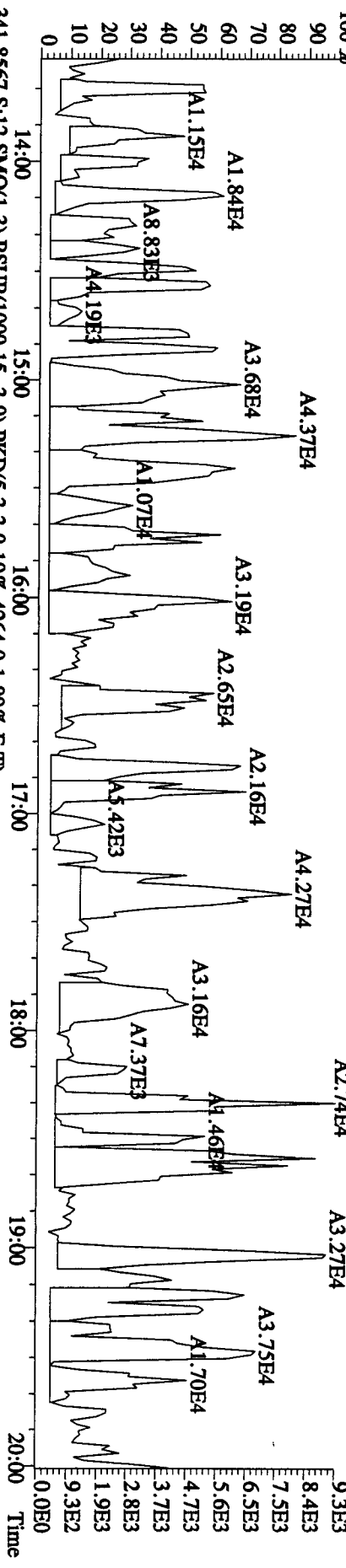
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Sample#12 Text: LX2NN-1-AA :GDD150000-361B (461-26) Exp: DIOXIN

339.8597 S:12 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3368,0,1,00%,F,T)



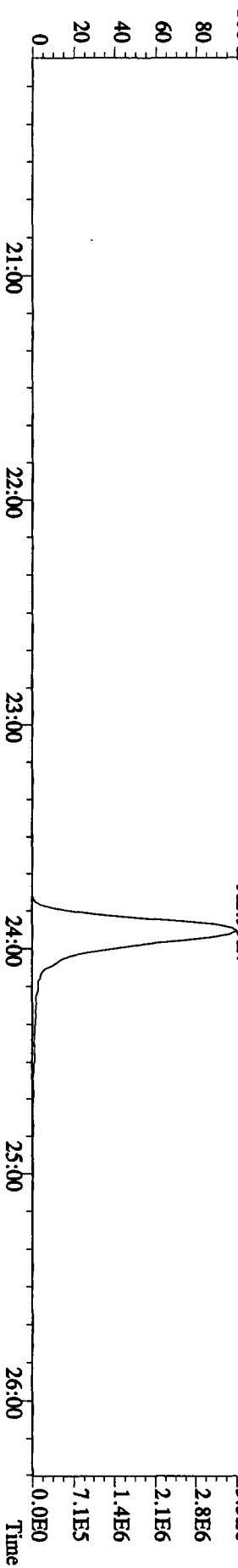
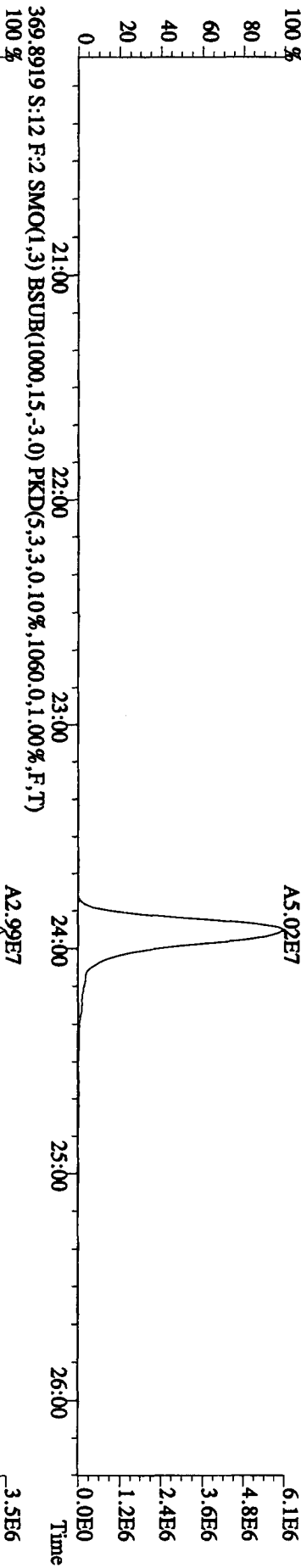
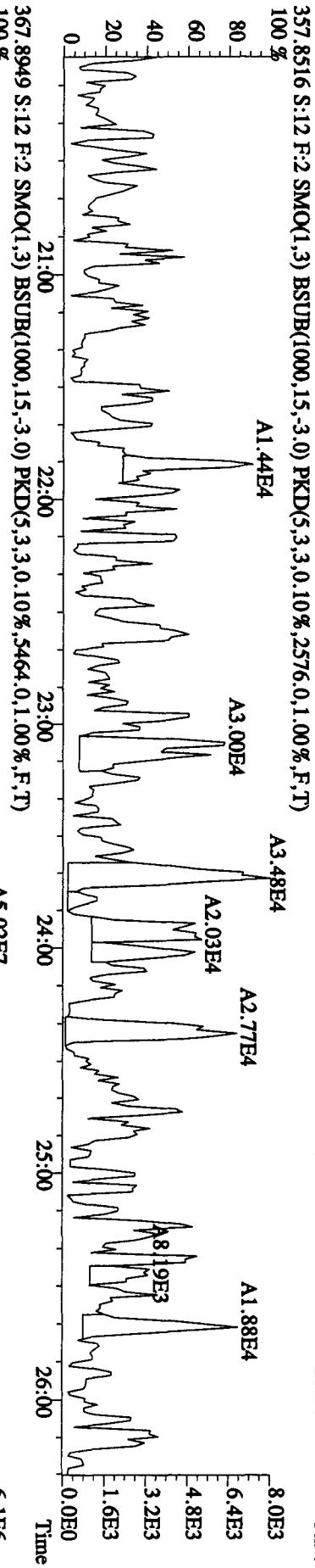
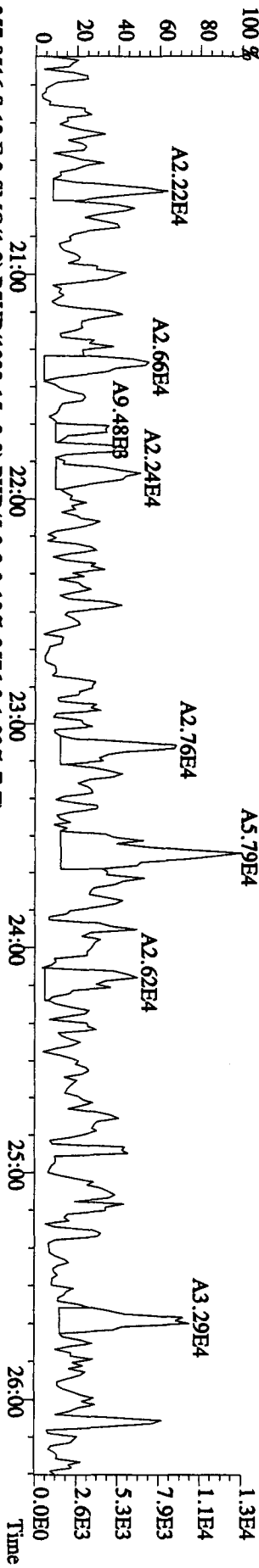
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 339.857 S:12 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,1260,0,1.00%,F,T)

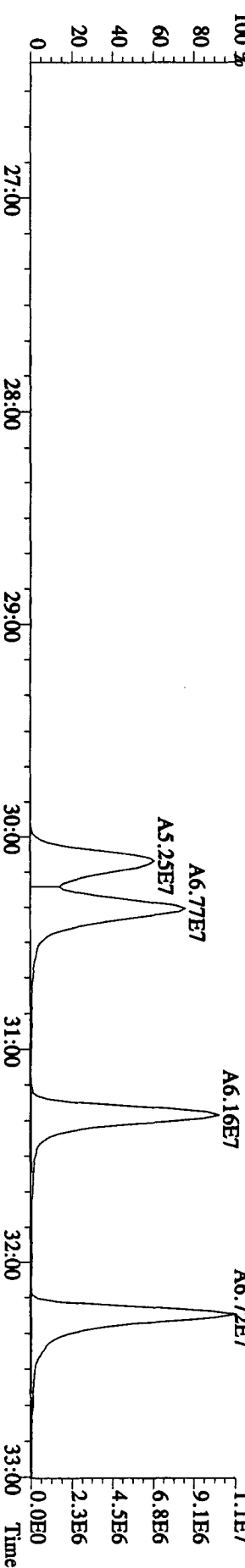
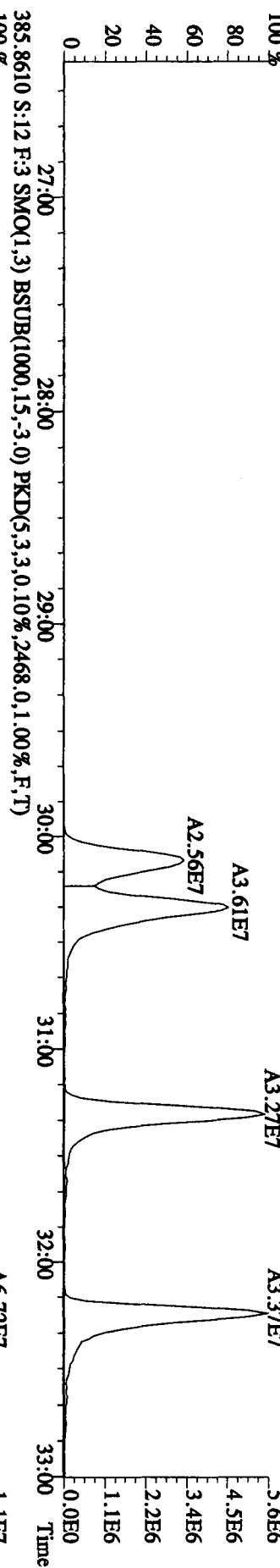
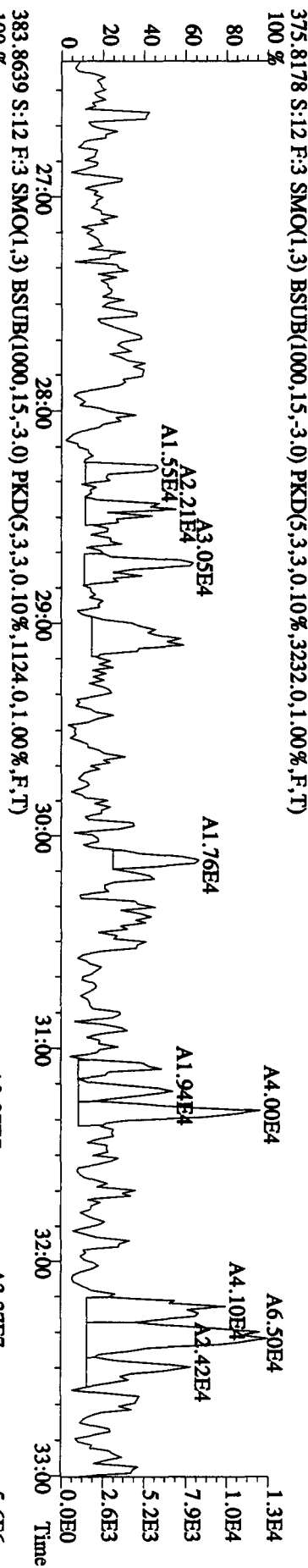
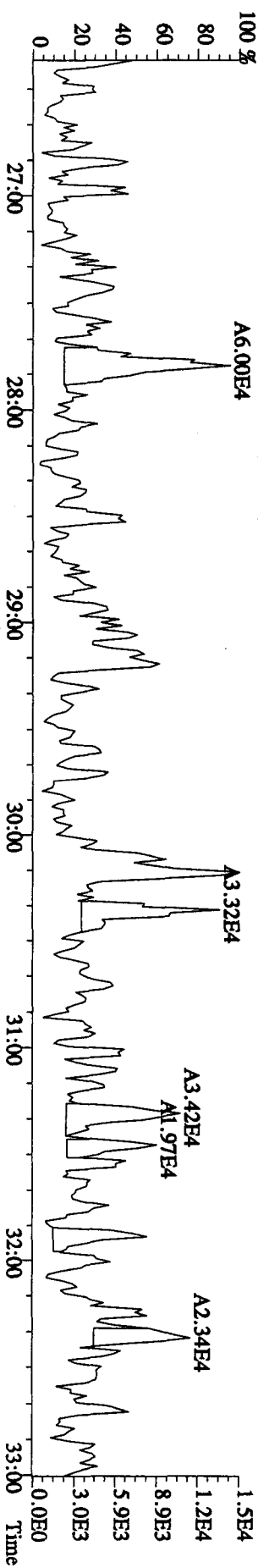


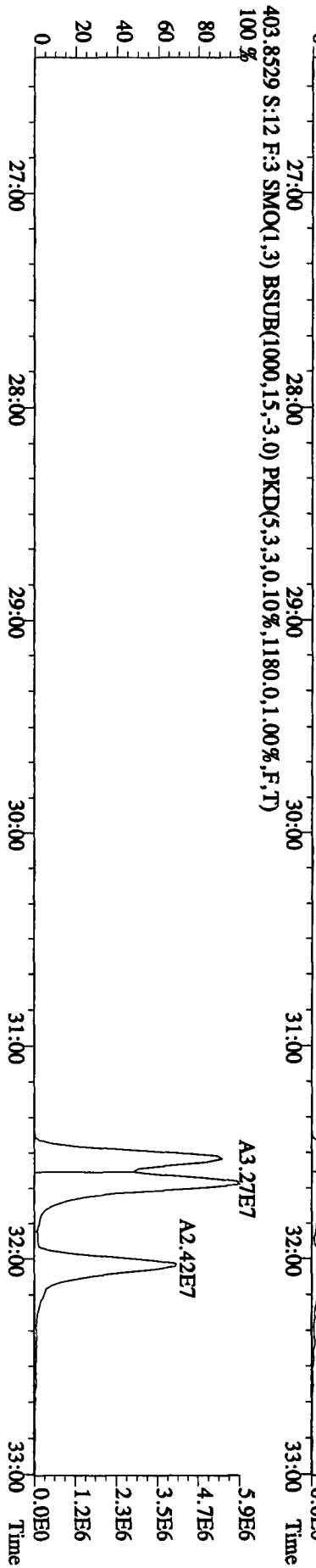
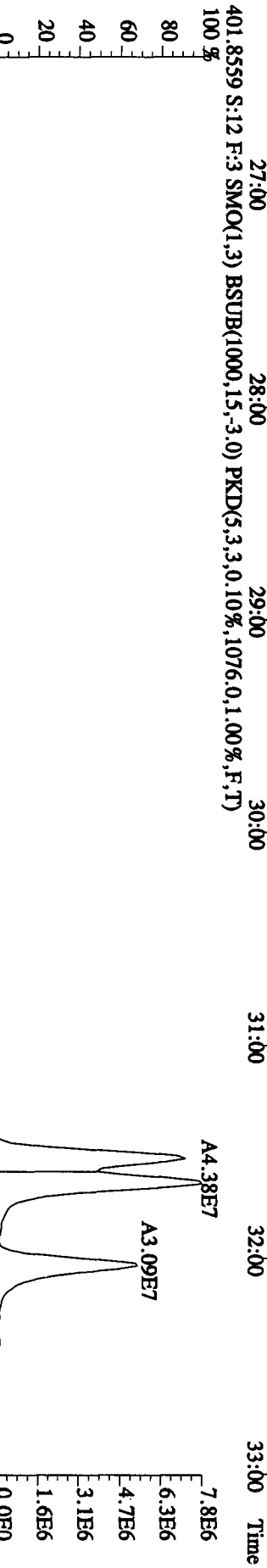
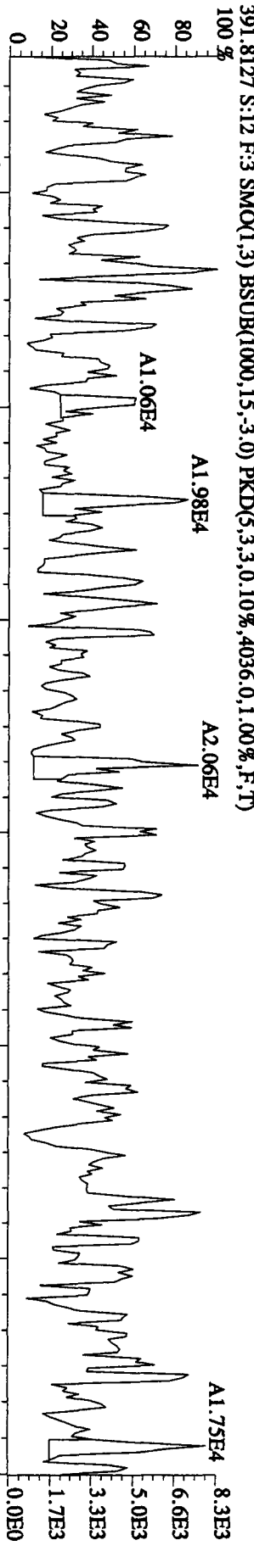
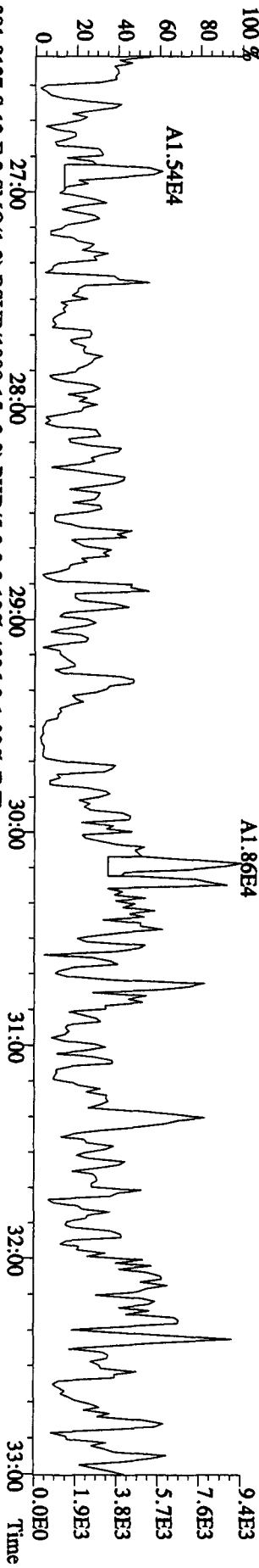
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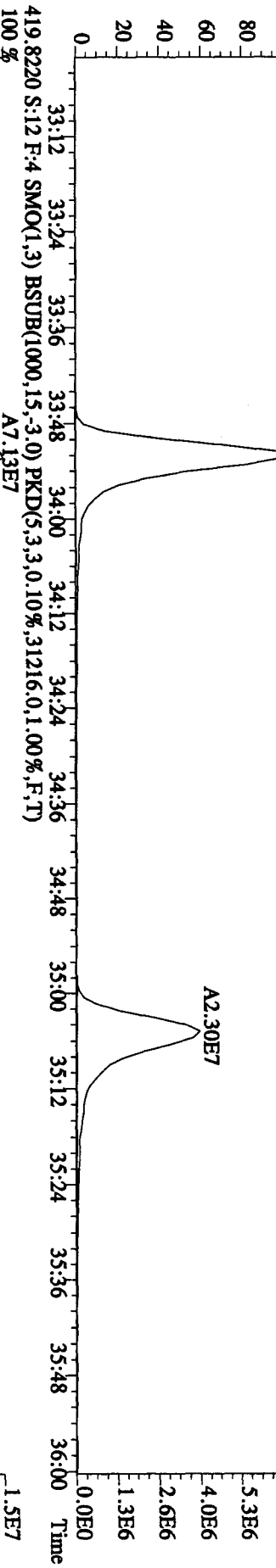
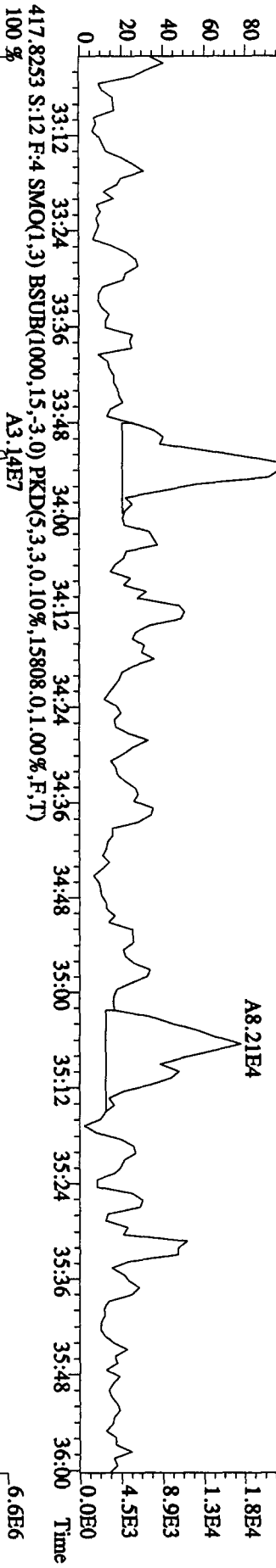
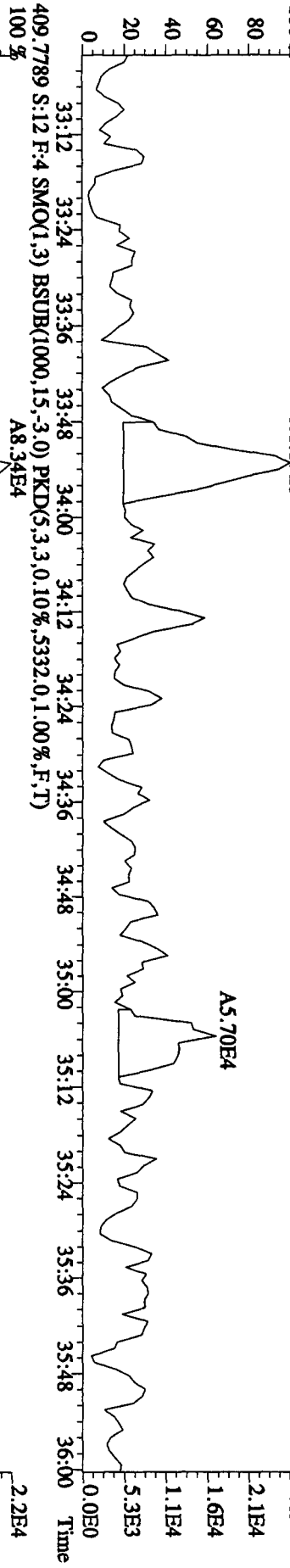
357.8516 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2576.0,1.00%,F,T)



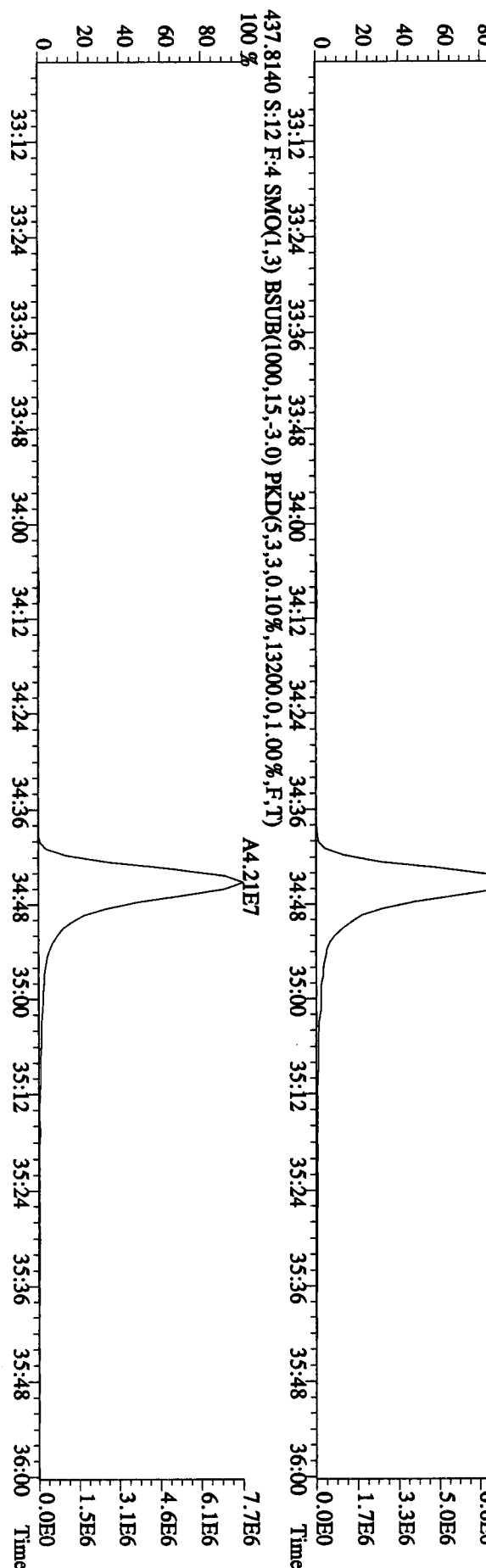
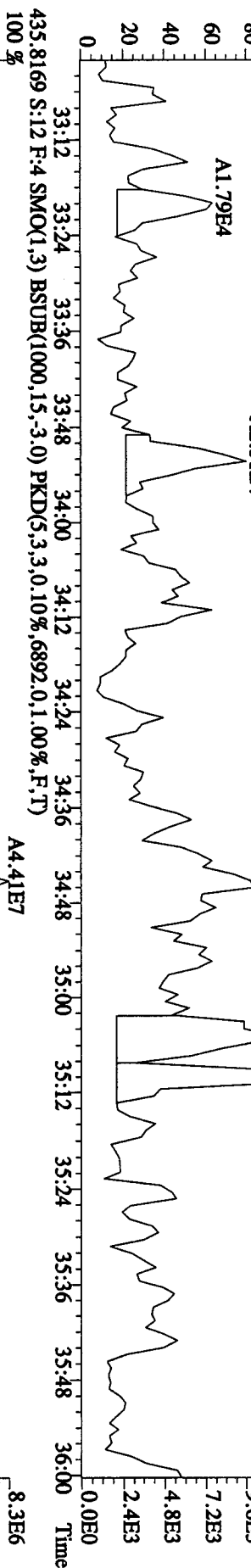
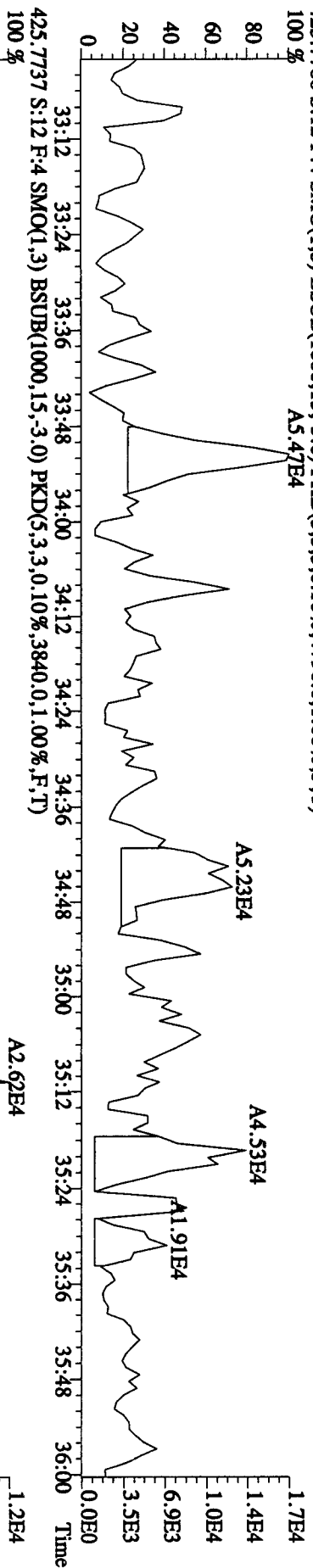




File:26AP10A1D5 #1-210 Acq:27-APR-2010 02:43:26 GC EI+ Voltage:51R 70SE
 Sample#12 Text:LX2NN-1-AA :GOD150000-361B (461-26) Exp:DIOXIN
 407.7818 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7728.0,1.00%,F,T)



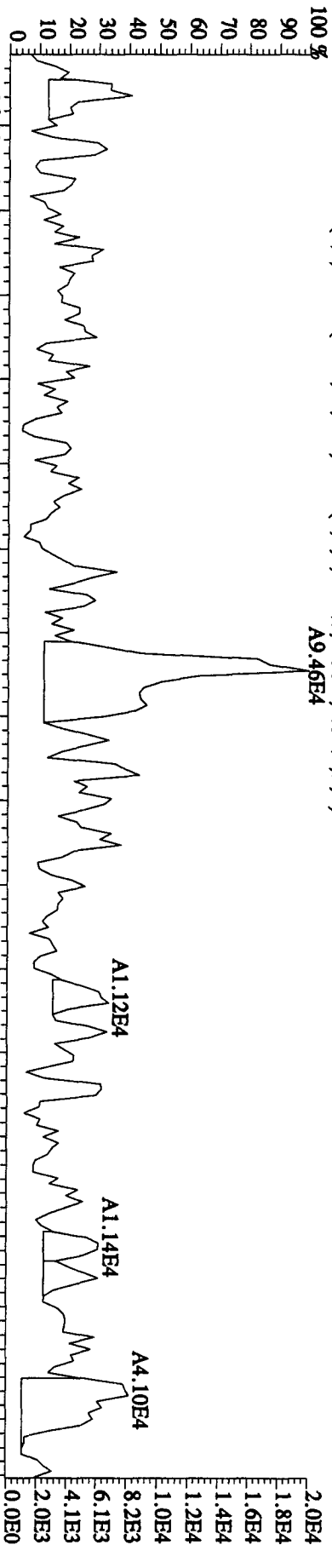
File:26AP10A1D5 #1-210 Acq:27-APR-2010 02:43:26 GC EI + Voltage SIR 70SE
 Sample#12 Text:LX2NN-1-AA :GOD150000-361B (461-26) Exp:DIOXIN
 423.7766 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4796,0.1,0.00%,F,T)



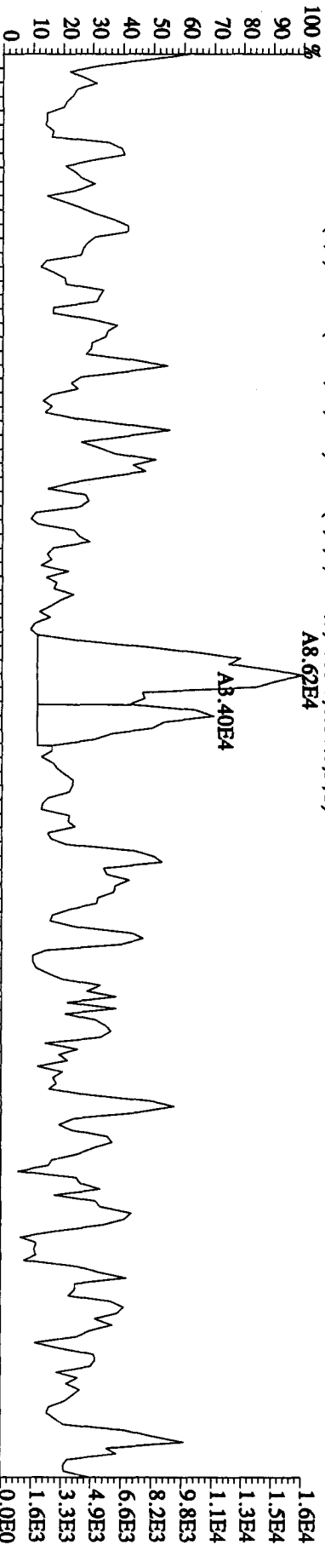
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Sample#12 Text:LX2NN-1-AA :GDD150000-361B (461-26) Exp:DIOXIN

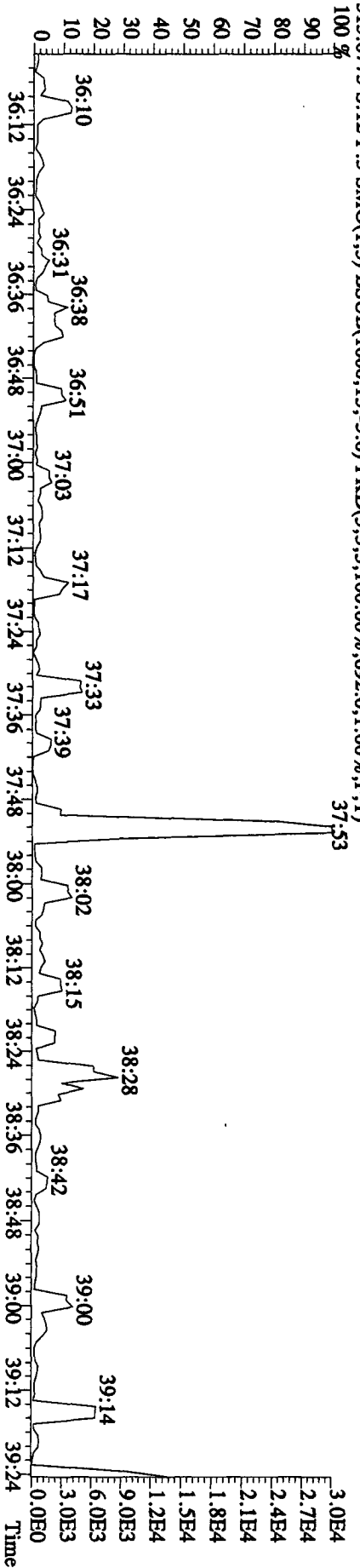
441.7428 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4236,0.1,00%,F,T)



443.7399 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860,0.1,00%,F,T)



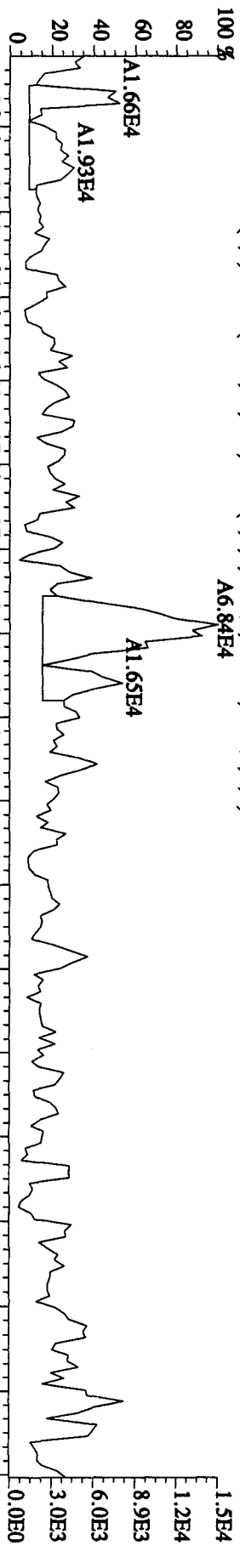
513.6775 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,692,0.1,00%,F,T)



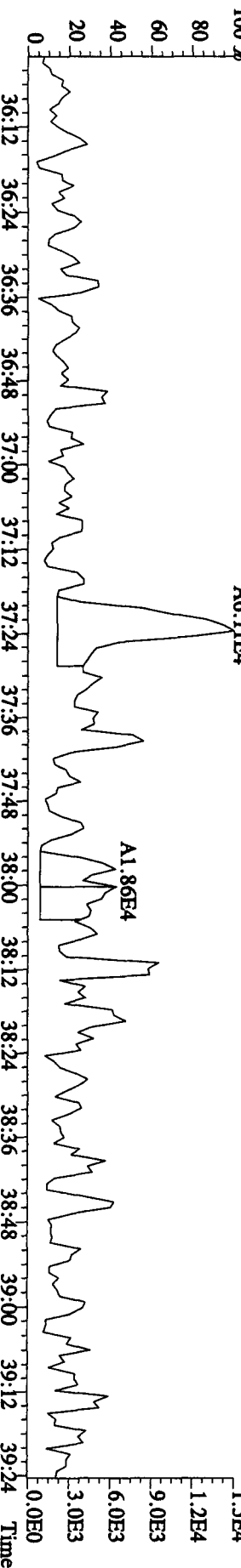
File:26ADP10A1D5 #1-244 Acq:27-APR-2010 02:43:26 GC EI + Voltage SIR 70SE

Sample#12 Text:LX2NN-1-AA :GOD150000-361B (461-26) Exp:DIOXIN

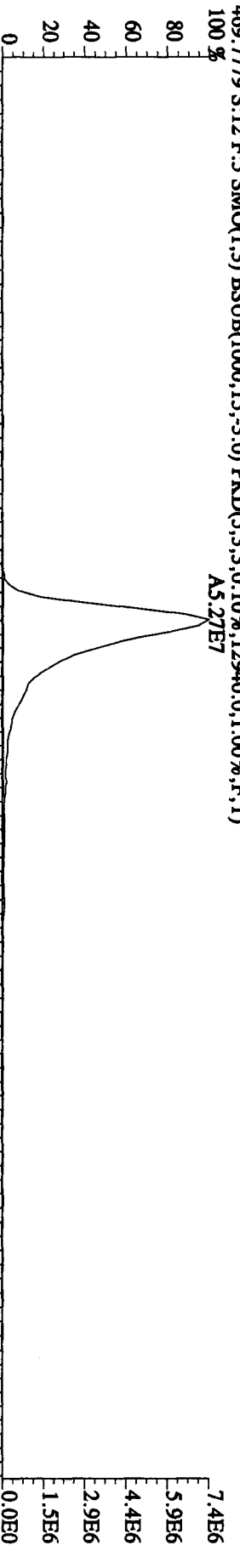
457.7377 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3924,0,1,00%,F,T)



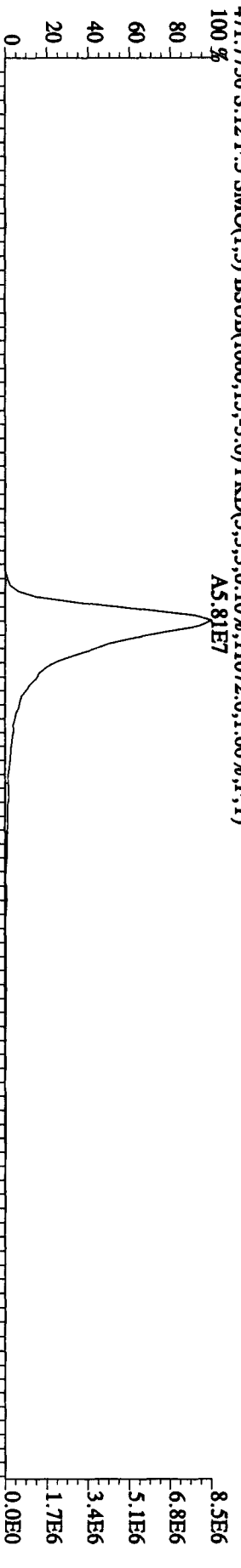
459.7348 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3464,0,1,00%,F,T)



469.7779 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12940,0,1,00%,F,T)

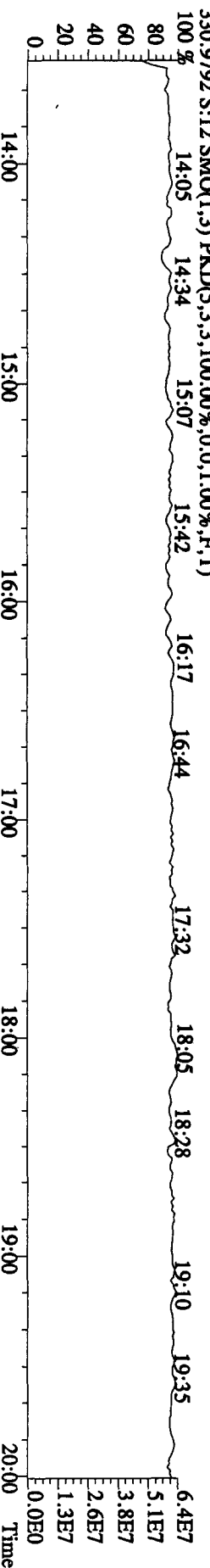
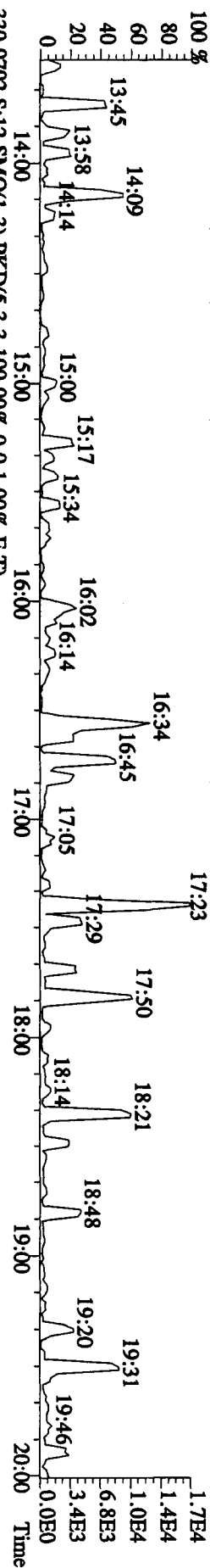
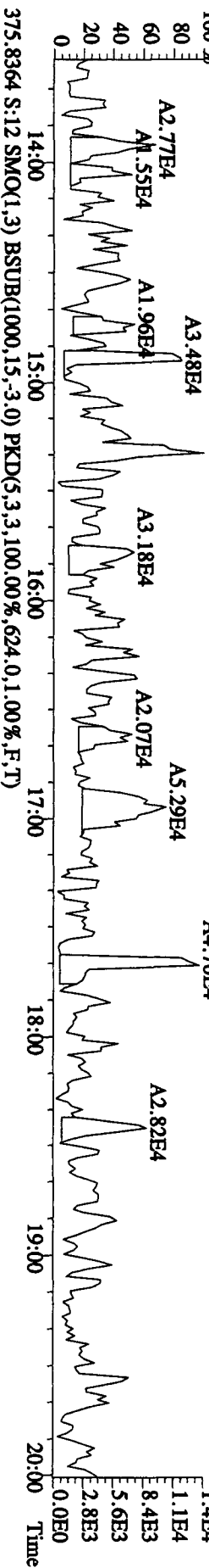
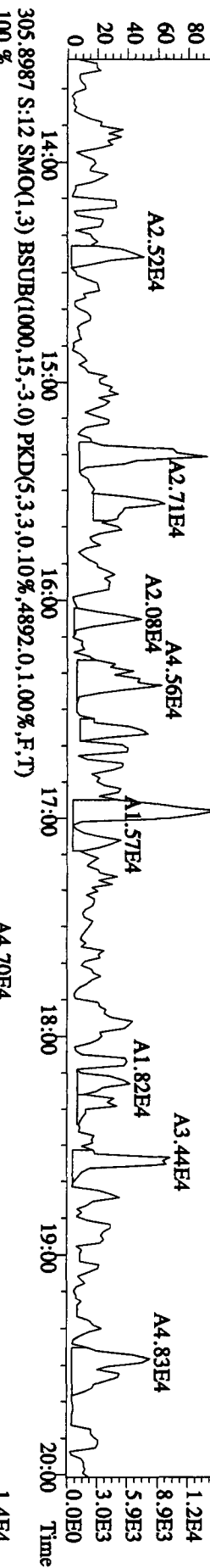
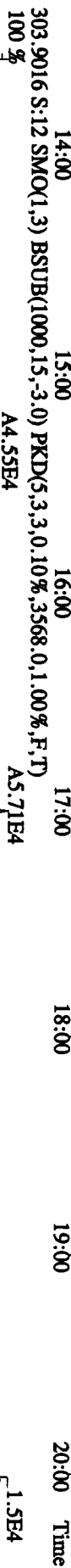
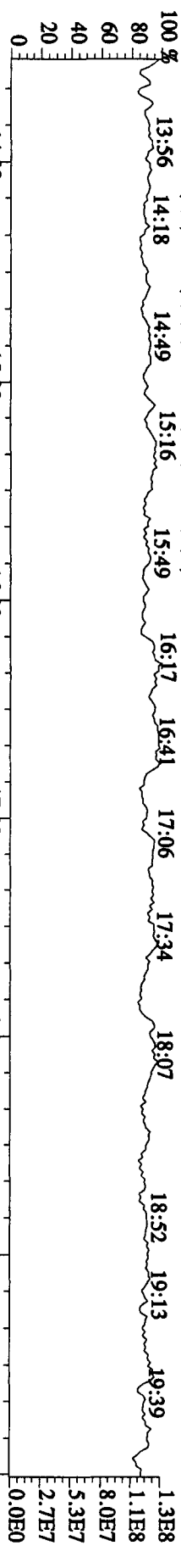


471.7750 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11072,0,1,00%,F,T)

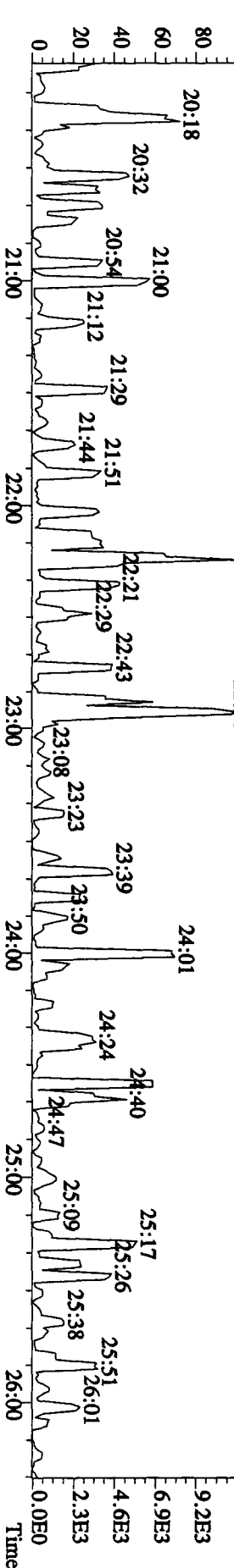
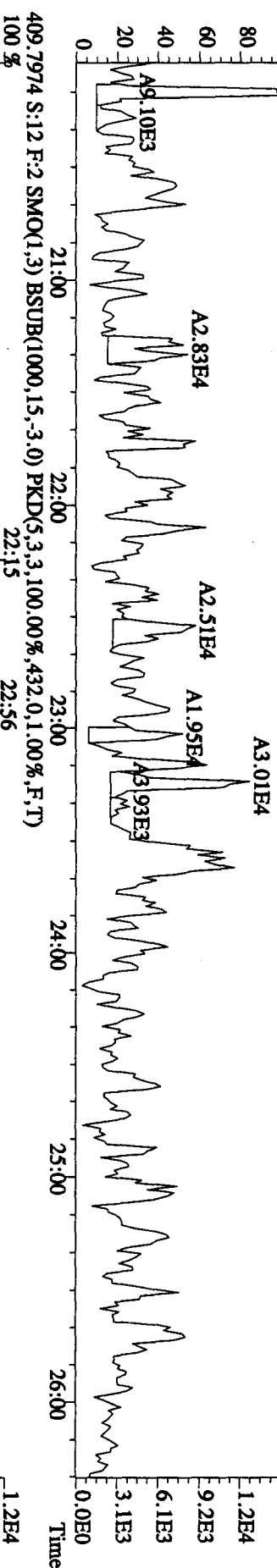
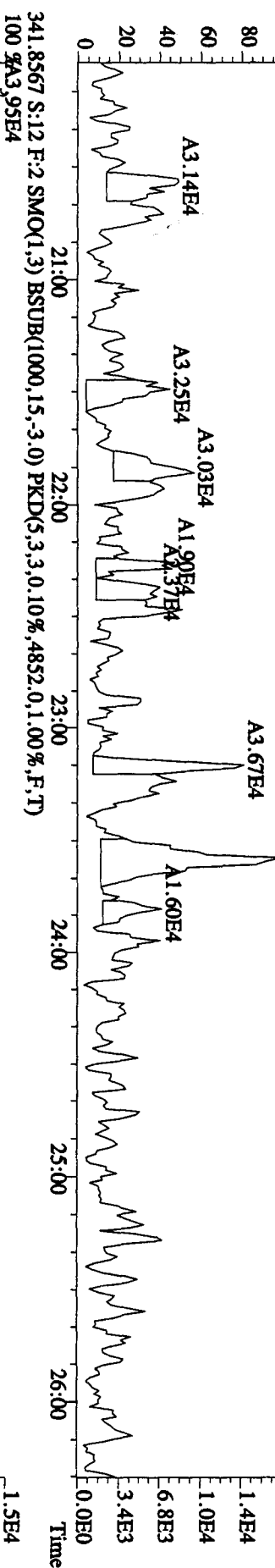
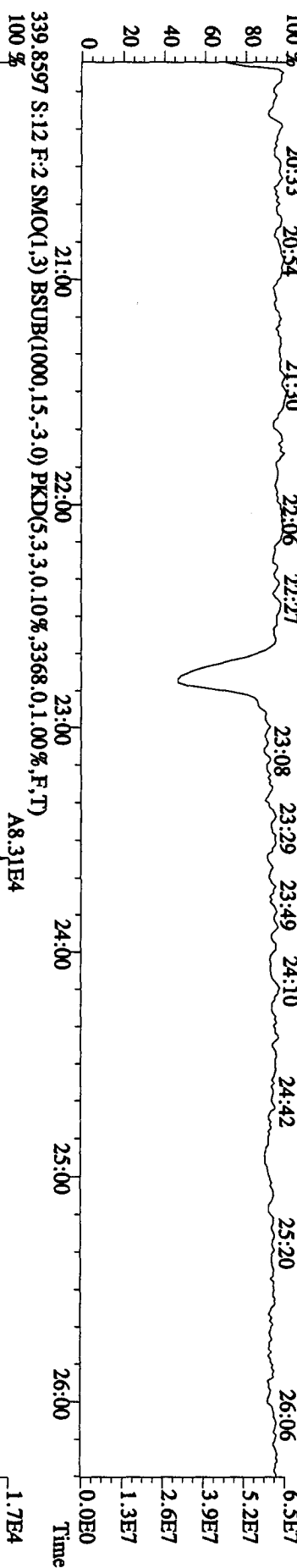


Sample#12 Text:1X2NN-1-AA :G0DD150000-361B (461-26) Exp:DIOXIN

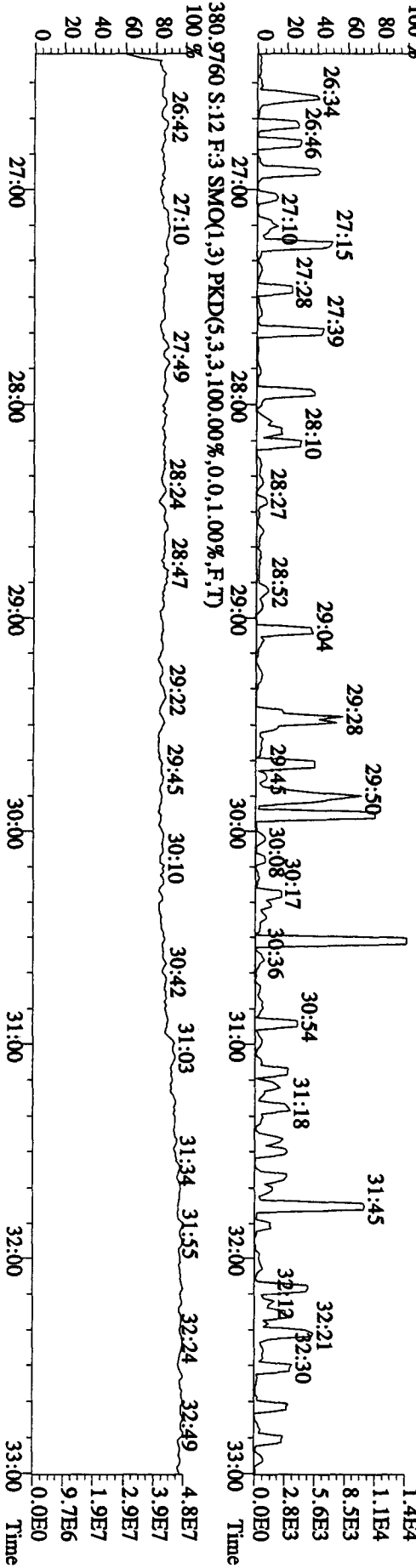
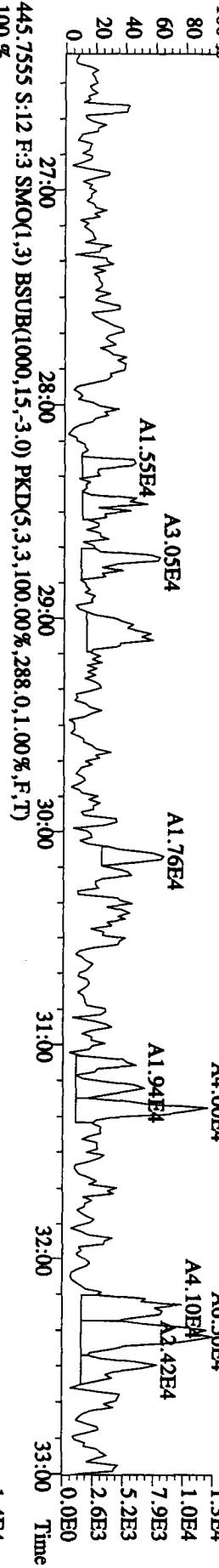
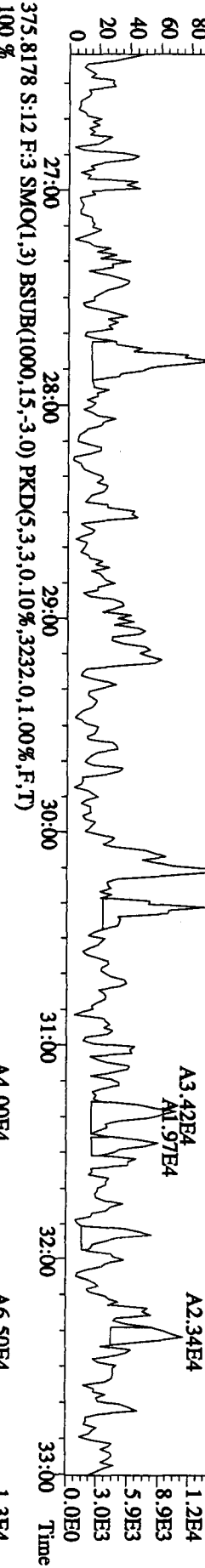
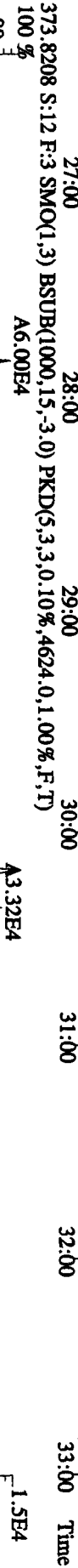
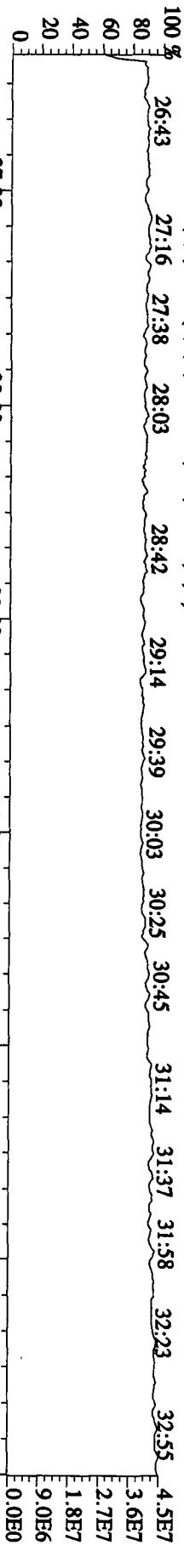
292.9825 S:12 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File: 26AP10A1D5 #1-444 Acq: 27-APR-2010 02:43:26 GC EI+ Voltage SIR 70SE
 Sample#12 Text: LX2NN-1-AA :G0D150000-361B (461-26) Exp: DIOXIN
 342.9792 S:12 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 20:33 20:54 21:30 22:06 22:27 23:08 23:29 23:49 24:10 24:42 25:20 26:06



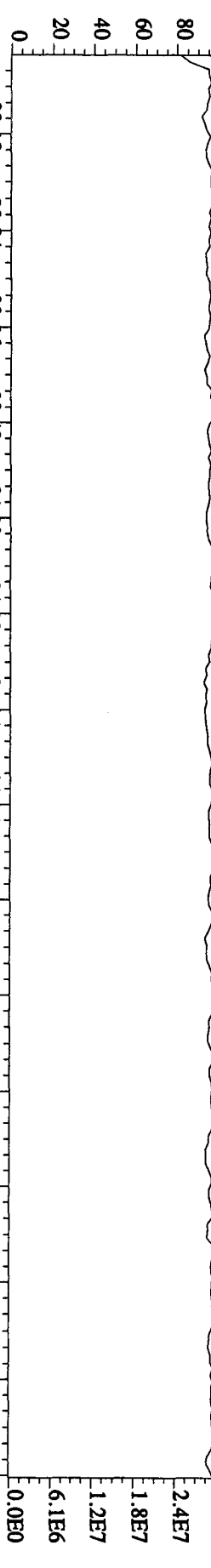
File:26AP10A1D5 #1-447 Acq:27-APR-2010 02:43:26 GC EI + Voltage SIR 70SE
 Sample#12 Text:LX2NN-1-AA :G0D150000-361B (461-26) Exp:DIOXIN
 392.9760 S:12 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



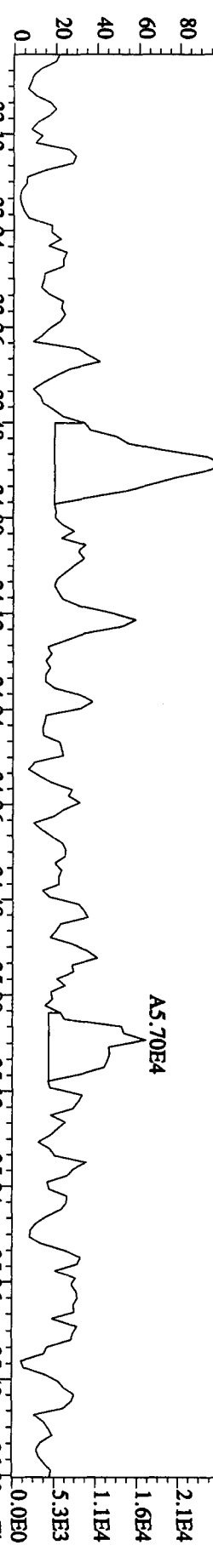
File:26AP10A1D5 #1-210 Acq:27-APR-2010 02:43:26 GC EI+ Voltage SIR 70SE

Sample#12 Text:LX2INN-1-AA :GOD150000-361B (461-26) Exp:DIOXIN

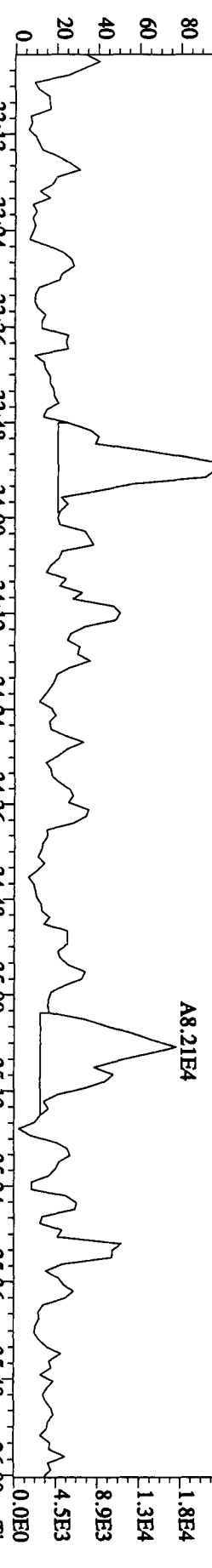
430.9728 S:12 F:4 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)



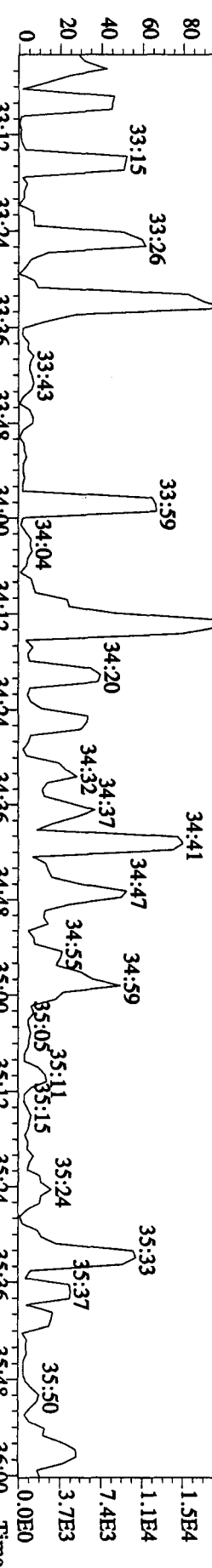
407.7818 S:12 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7728.0,1.00%,F,T)



409.7789 S:12 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5332.0,1.00%,F,T)



479.7165 S:12 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100,0.0%,1604.0,1.00%,F,T)



File:26AP10A1D5 #1-244 Acq:27-APR-2010 02:43:26 GC EI+ Voltage SIR 70SE

Sample#12 Text:LX2NN-1-AA :G0D150000-361B (461-26) Exp:DIOXIN

454.9728 S:12 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 36:09 36:26 36:45 37:09 37:28 37:46 38:07 38:24 38:44 38:54 39:05

2.9E7

2.6E7

2.3E7

2.0E7

1.7E7

1.5E7

1.2E7

8.7E6

5.8E6

2.9E6

0.0E0

442.9728 S:12 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 36:12 36:15 36:27 36:39 36:44 36:56 37:14 37:38 37:51 38:13 38:28 38:56 39:07 39:12 39:24

3.3E7

3.0E7

2.6E7

2.3E7

2.0E7

1.6E7

1.3E7

9.9E6

6.6E6

3.3E6

0.0E0

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

Run text: LX2NN-1-AC Sample text: LX2NN-1-AC :G0D150000-361C (461-26)
 Run #13 Filename: 26AP10A1D5 S: 11 I: 1 Results: 26AP10A4D58290
 Acquired: 27-APR-10 02:01:36 Processed: 27-APR-10 10:17:37
 Run: 26AP10A1D5 Analyte: 8290HRS Cal: 82901231091D5
 Sample size: 10.00 g

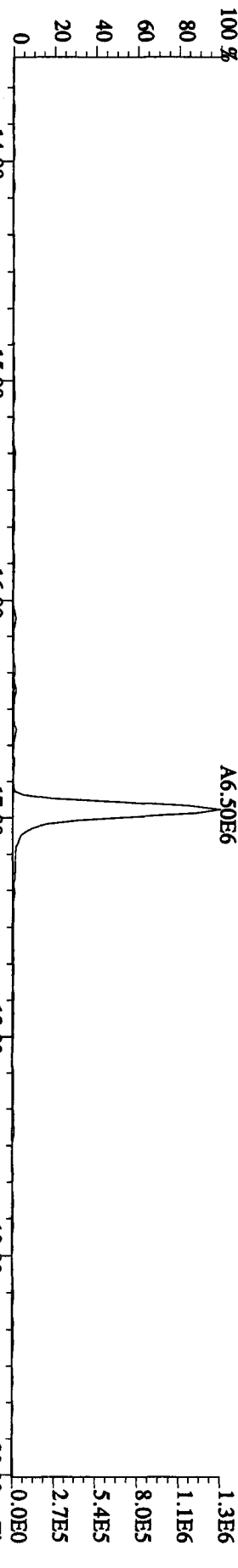
4/27/10
 meo

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	75018284	0.83 y	17:27	-	2.4083	-	-	n
13C-2,3,7,8-TCDF	163863896	0.79 y	16:57	1.57	139.4813	0.2136	69.7	n
2,3,7,8-TCDF	15051147	0.76 y	16:58	0.86	21.3640	0.1945	-	n
Total TCDF	15657628	0.60 n	15:20	0.86	22.2249	0.1945	-	n
13C-2,3,7,8-TCDD	116393868	0.82 y	17:38	0.99	156.1977	0.2947	78.1	n
2,3,7,8-TCDD	11093147	0.73 y	17:39	0.93	20.4131	0.2249	-	n
Total TCDD	11139909	0.73 y	17:39	0.93	20.4991	0.2249	-	n
37Cl-2,3,7,8-TCDD	123802408	1.00 y	17:39	2.22	74.4020	0.0289	93.0	n
13C-1,2,3,7,8-PeCDF	129333252	1.69 y	21:53	1.07	160.6951	0.4306	80.3	n
1,2,3,7,8-PeCDF	65433264	1.58 y	21:54	1.00	101.1774	0.4366	-	n
2,3,4,7,8-PeCDF	63051766	1.57 y	23:13	0.94	103.8820	0.4652	-	n
Total F2 PeCDF	129229090	1.58 y	21:54	0.97	206.2464	0.4505	-	n
Total F1 PeCDF	142529	0.77 n	17:55	0.97	0.2274	0.2055	-	n
13C-1,2,3,7,8-PeCDD	79567430	1.68 y	23:55	0.67	159.1704	0.1677	79.6	n
1,2,3,7,8-PeCDD	40303998	1.62 y	23:57	0.93	109.0315	0.5243	-	n
Total PeCDD	40326295	1.62 y	23:57	0.93	109.0918	0.5243	-	n
13C-1,2,3,7,8,9-HxCDD	45405820	1.29 y	32:01	-	1.6554	-	-	n
13C-1,2,3,4,7,8-HxCDF	76449752	0.52 y	30:07	0.89	188.5827	0.3143	94.3	n
1,2,3,4,7,8-HxCDF	46072428	1.24 y	30:08	1.20	100.5198	0.7464	-	n
1,2,3,6,7,8-HxCDF	47822006	1.27 y	30:22	1.37	91.2380	0.6527	-	n
2,3,4,6,7,8-HxCDF	52172064	1.26 y	31:19	1.24	109.8888	0.7206	-	n
1,2,3,7,8,9-HxCDF	49585826	1.27 y	32:15	1.33	97.8212	0.6749	-	n
Total HxCDF	195865068	1.24 y	30:08	1.28	399.9010	0.6967	-	n
13C-1,2,3,6,7,8-HxCDD	67337394	1.32 y	31:38	0.73	202.5734	0.1924	101.3	n
1,2,3,4,7,8-HxCDD	28970957	1.19 y	31:33	0.97	88.7112	0.3674	-	n
1,2,3,6,7,8-HxCDD	40038826	1.30 y	31:40	1.06	112.3630	0.3367	-	n
1,2,3,7,8,9-HxCDD	40096816	1.26 y	32:02	1.28	93.3866	0.2794	-	n
Total HxCDD	109106599	1.19 y	31:33	1.10	294.4608	0.3236	-	n
13C-1,2,3,4,6,7,8-HpCDF	94119160	0.43 y	33:51	0.86	240.9920	2.0679	120.5	n
1,2,3,4,6,7,8-HpCDF	64204138	1.06 y	33:52	1.29	106.0399	0.5874	-	n
1,2,3,4,7,8,9-HpCDF	47124820	1.06 y	35:05	1.14	88.1990	0.6656	-	n
Total HpCDF	111328958	1.06 y	33:52	1.21	194.2389	0.6241	-	n
13C-1,2,3,4,6,7,8-HpCDD	74762576	1.05 y	34:45	0.75	218.9051	0.9508	109.5	n
1,2,3,4,6,7,8-HpCDD	39911012	1.05 y	34:46	1.00	107.0001	0.5107	-	n
Total HpCDD	40071724	1.51 n	34:08	1.00	107.4310	0.5107	-	n
13C-OCDD	103246316	0.88 y	37:21	0.56	402.8622	1.9897	100.7	n
OCDF	75894992	0.89 y	37:28	1.44	204.5698	0.8361	-	n
OCDD	62725938	0.90 y	37:22	1.11	219.0237	0.8859	-	n

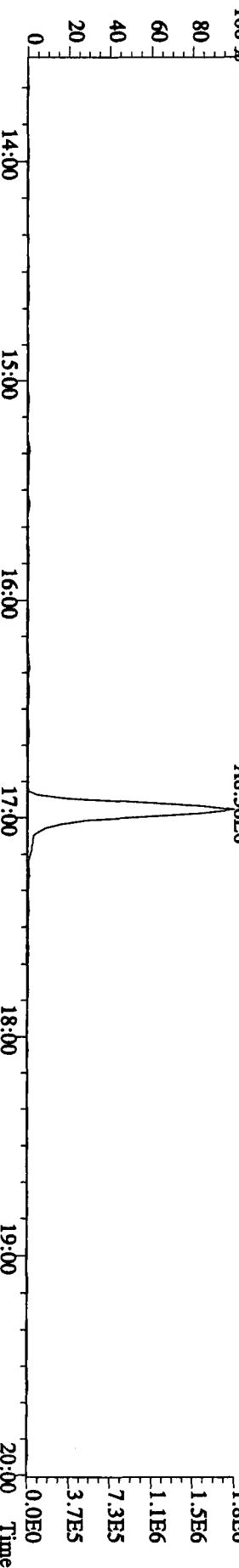
File:26AP10A1D5 #1-384 Acq:27-APR-2010 02:01:36 GC EI + Voltage SIR 70SE

Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN

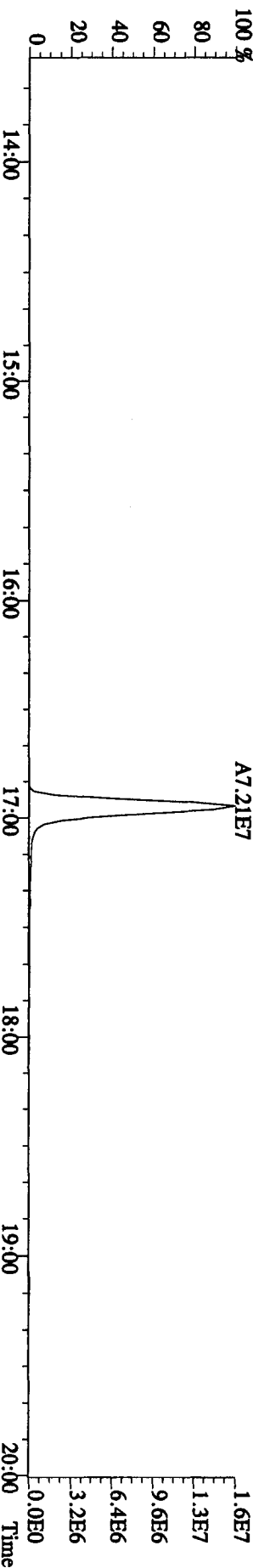
303.9016 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4808,0.1,00%,F,T) 100%



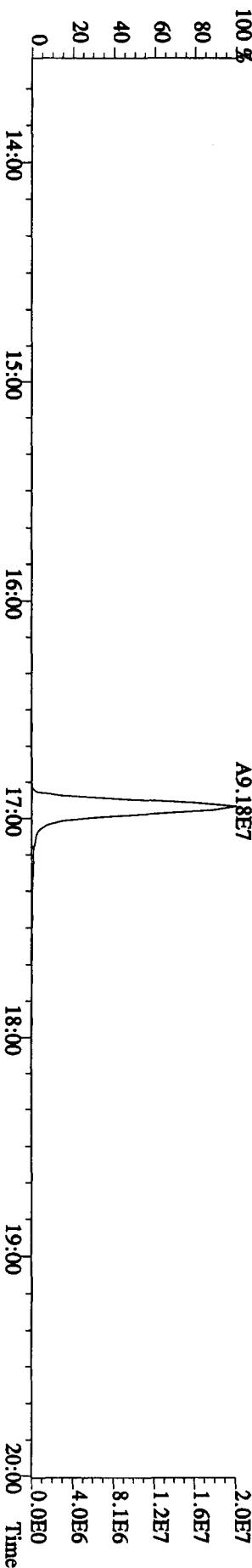
305.8987 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5276,0.1,00%,F,T) 100%



315.9419 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10412,0.1,00%,F,T) 100%



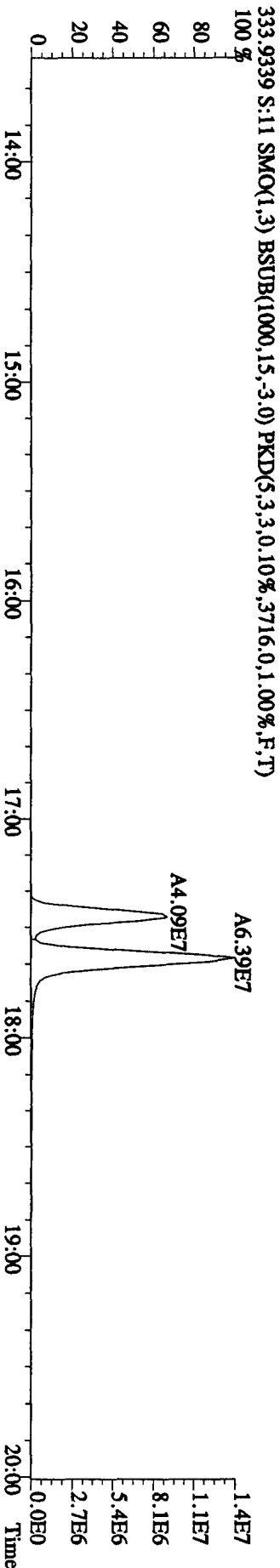
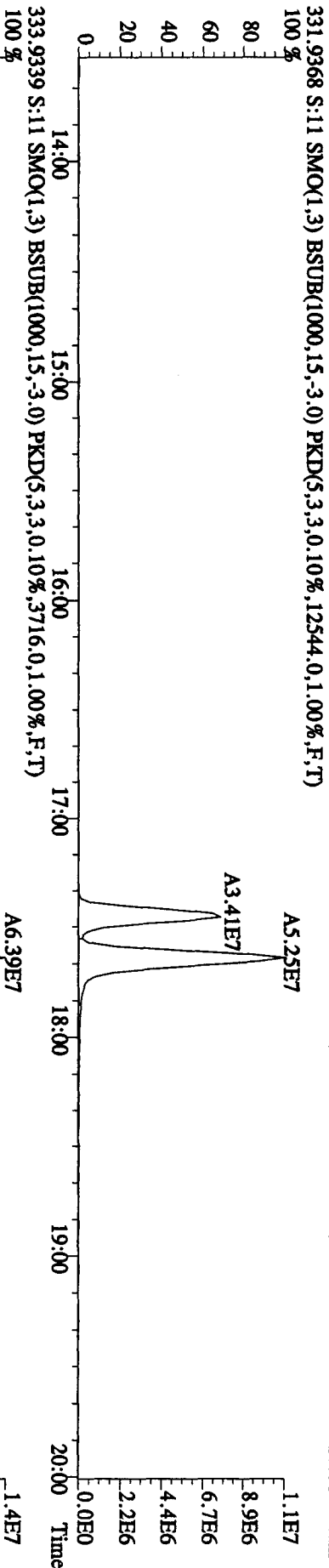
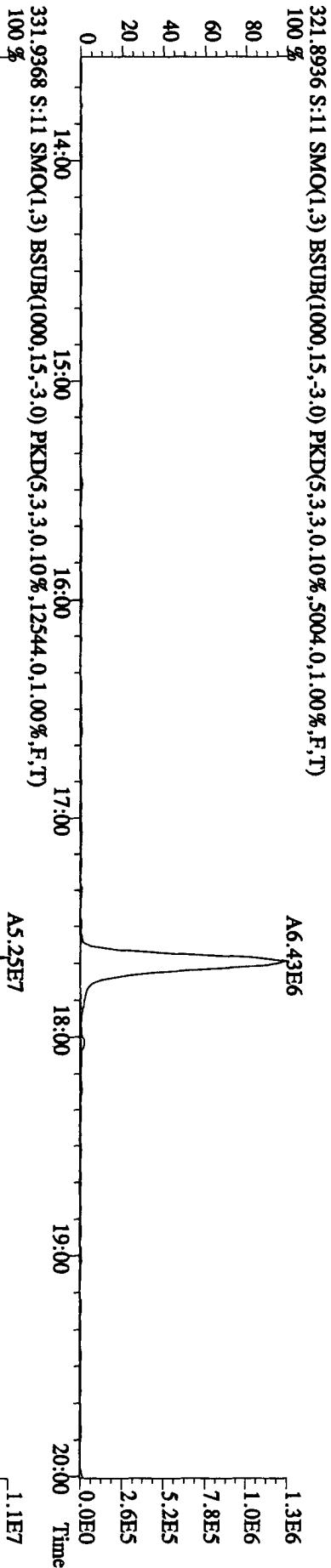
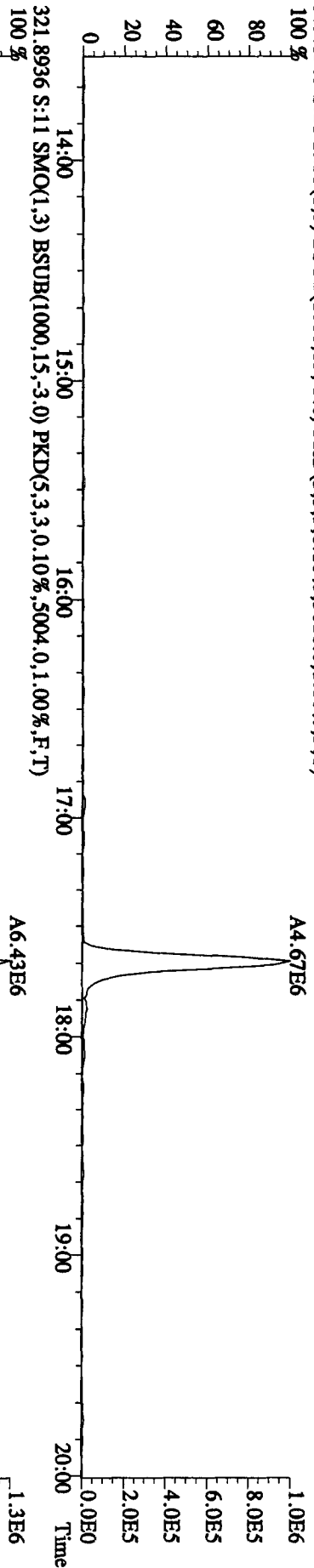
317.9389 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8172,0.1,00%,F,T) 100%



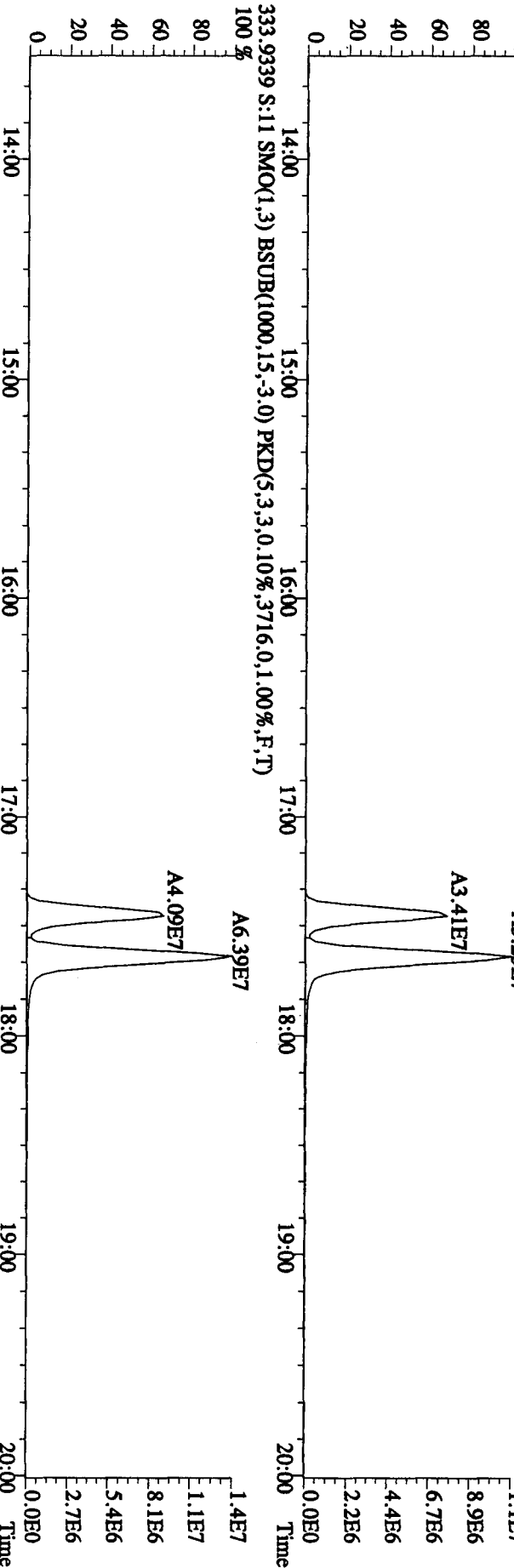
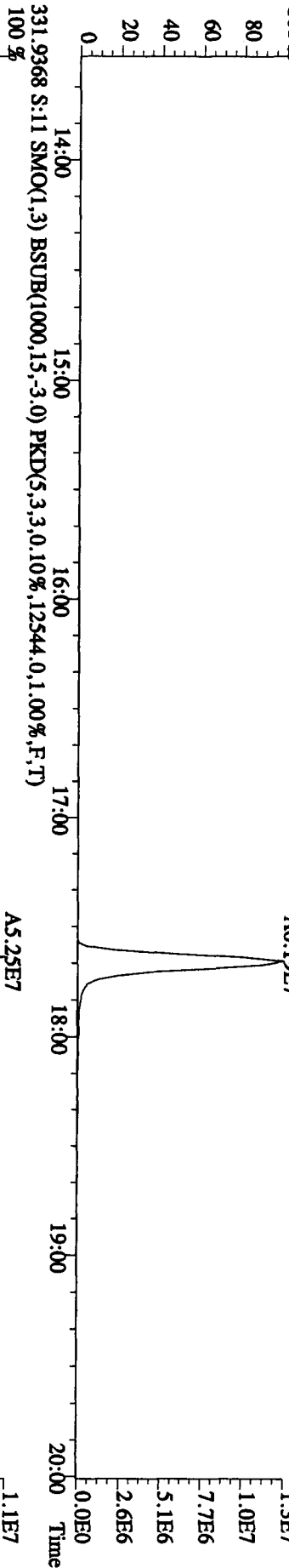
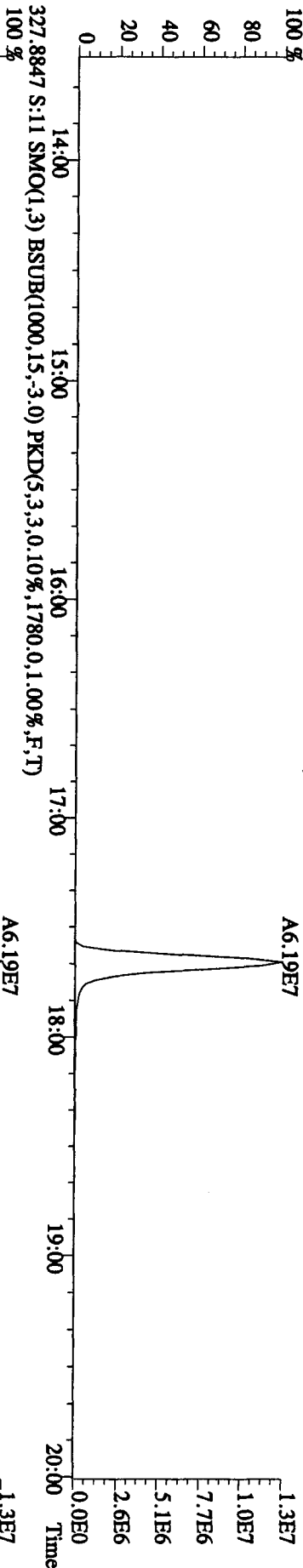
File:26ADP10A1D5 #1-384 Acq:27-APR-2010 02:01:36 GC EI + Voltage SIR 70SE

Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN

319.8965 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3616,0,1,00%,F,T) 100 %



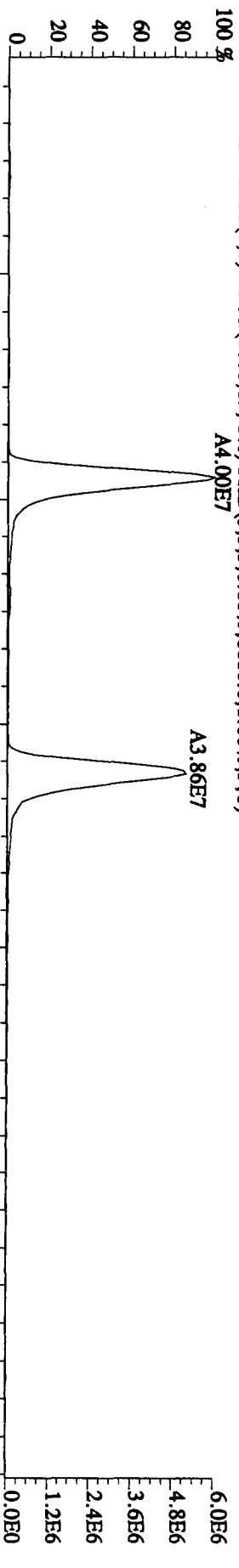
File:26ADP10AID5 #1-384 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE
 Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN
 327.8847 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.780,0.1,0.00%,F,T)



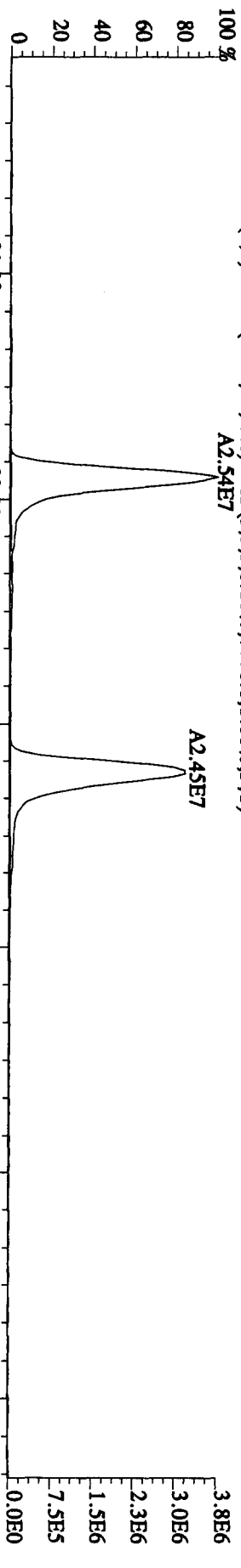
File:26API01A1D5 #1-445 Acq:27-APR-2010 02:01:36 GC EI + Voltage SIR 70SE

Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN

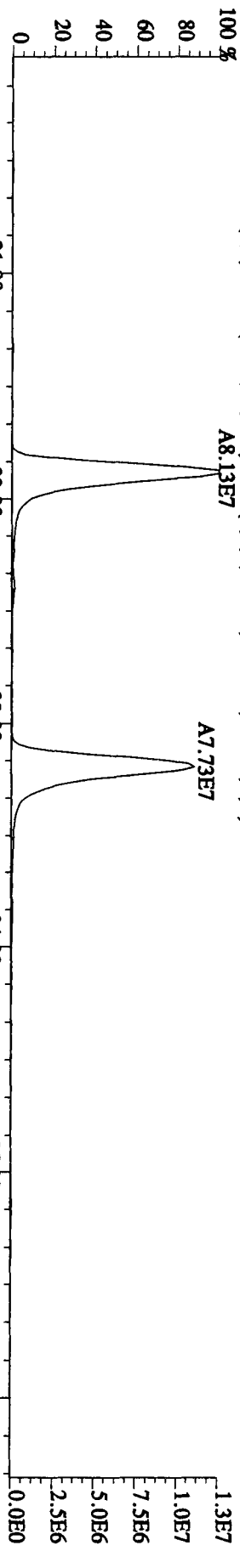
339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6616,0,1,00%,F,T) 100%



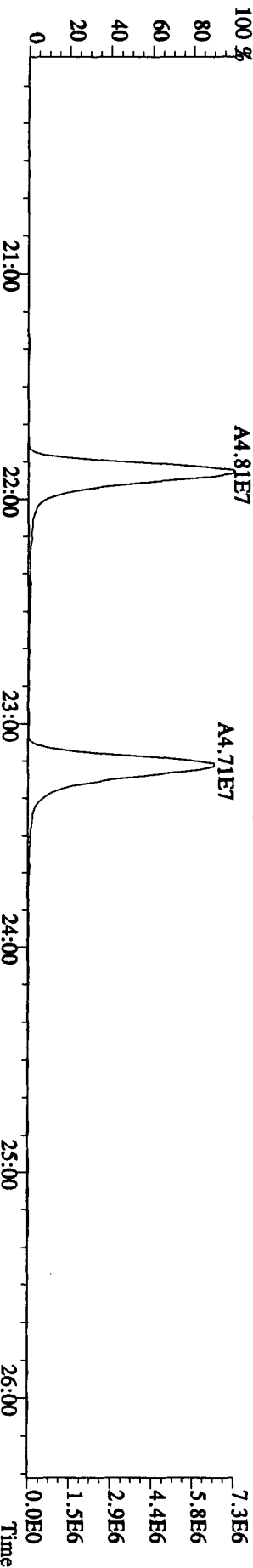
341.8567 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7776,0,1,00%,F,T) 100%



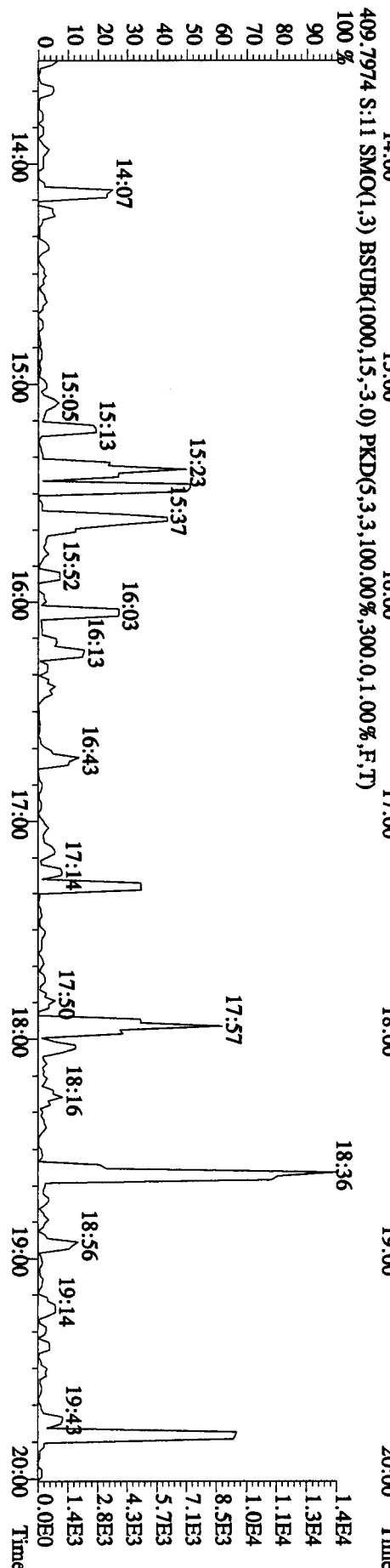
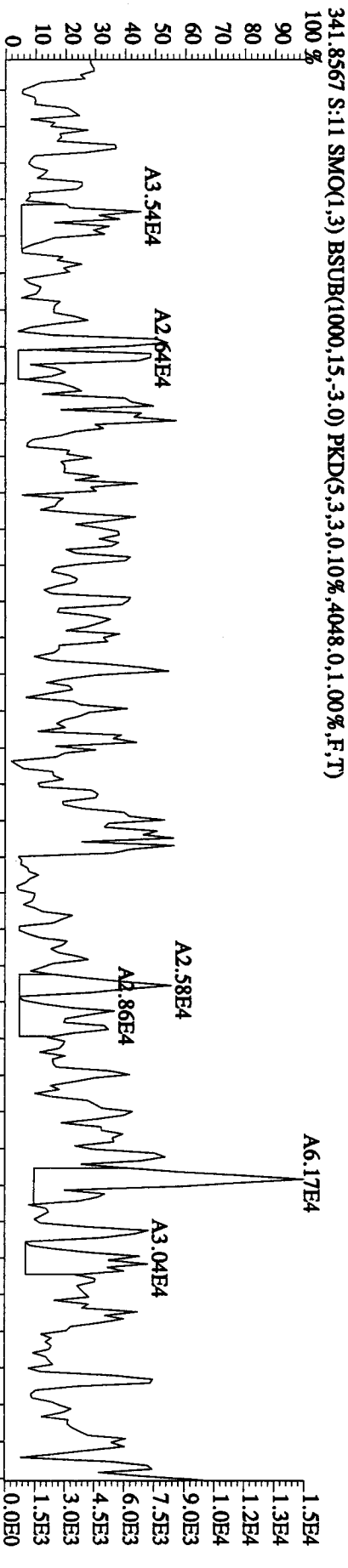
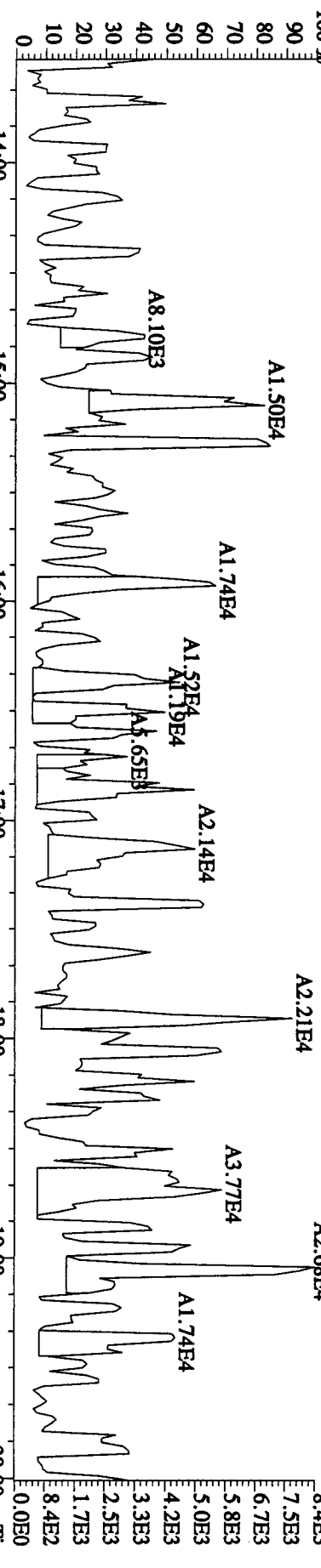
351.9000 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12652,0,1,00%,F,T) 100%



353.8970 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13008,0,1,00%,F,T) 100%



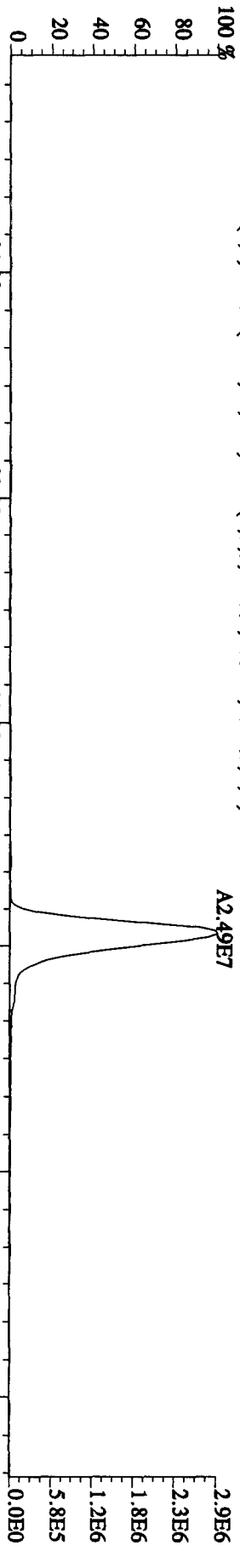
File:26API0AIDS #1-384 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE
 Sample#11 Text:1.X2NN-1-AC :G0DD150000-361C (461-26) Exp.:DIOXIN
 339.8597 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2516;0,1.00%,F,T) 100 %



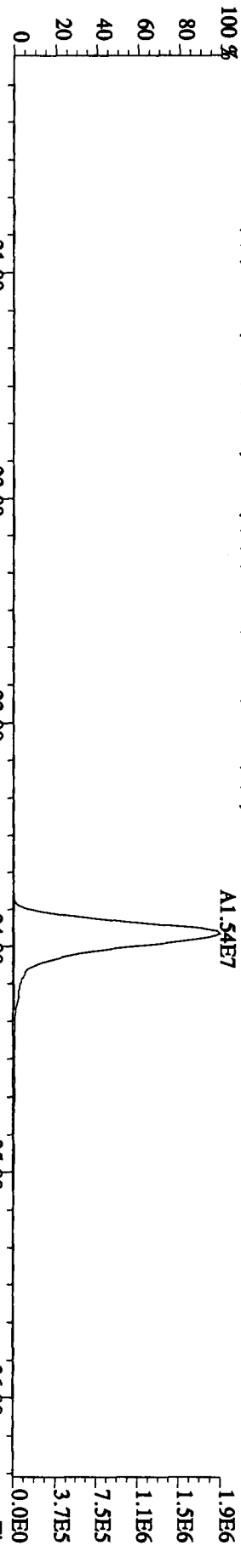
File:26AP10A1D5 #1-445 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE

Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN

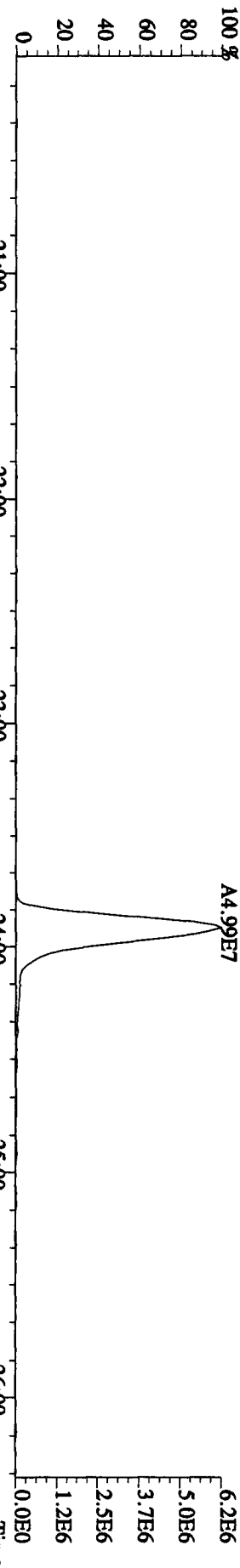
355.8546 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4008,0.1,00%,F,T)



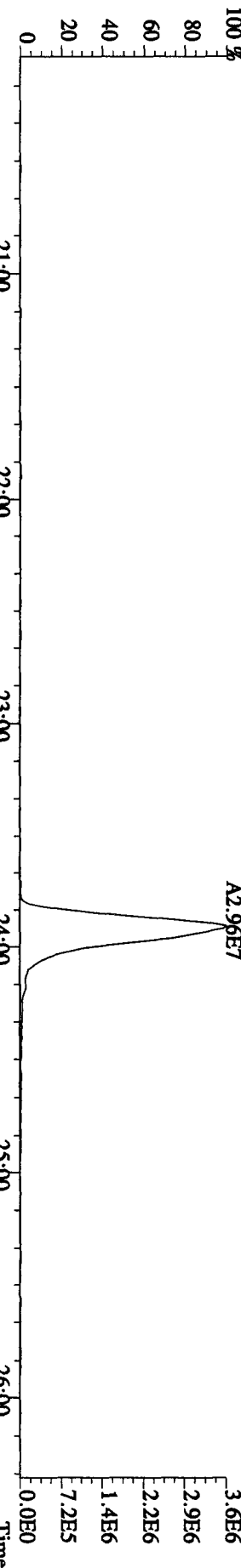
357.8516 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3928,0.1,00%,F,T)



367.8949 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4160,0.1,00%,F,T)



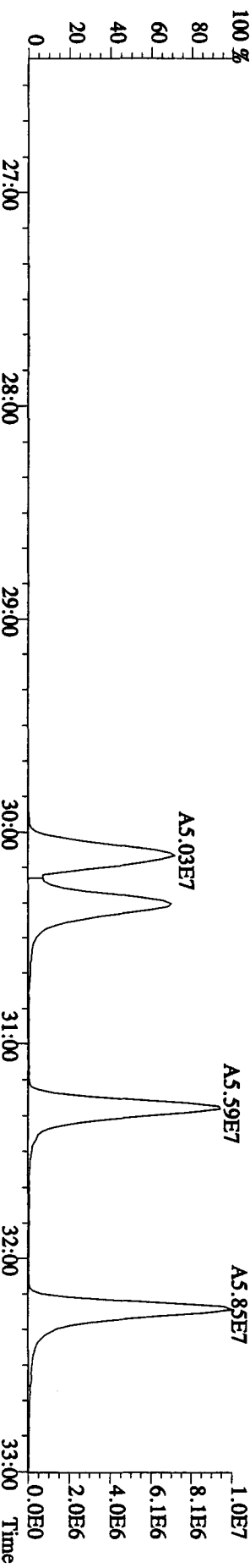
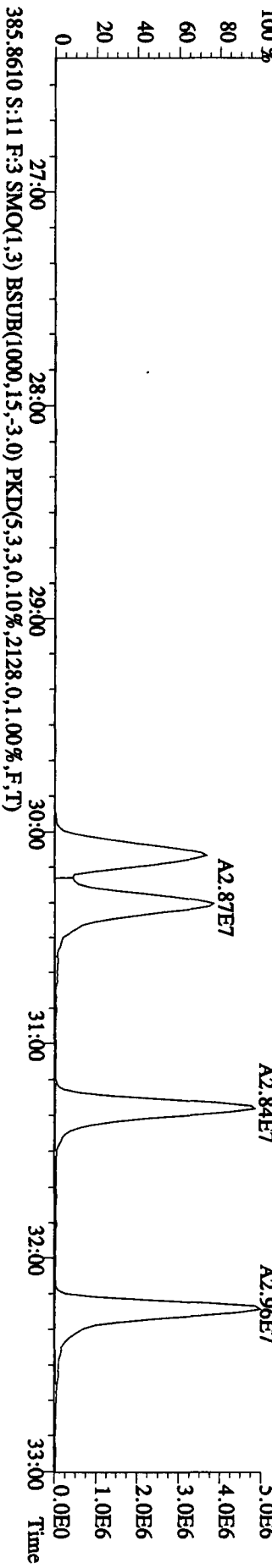
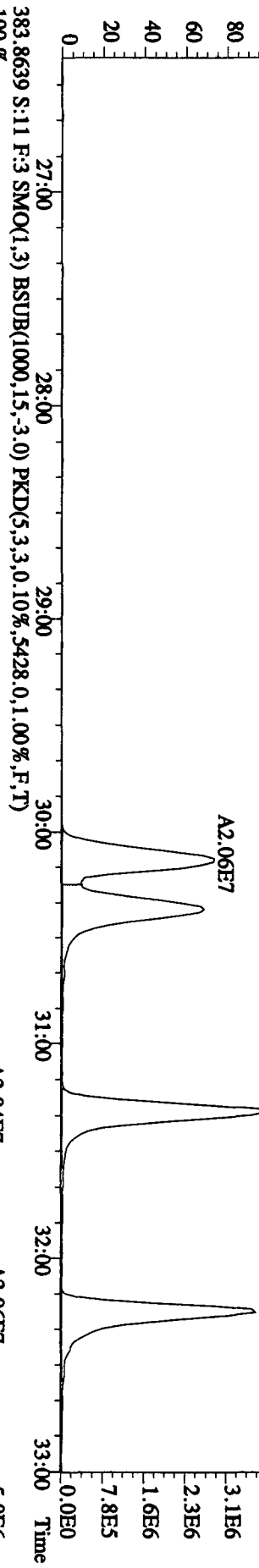
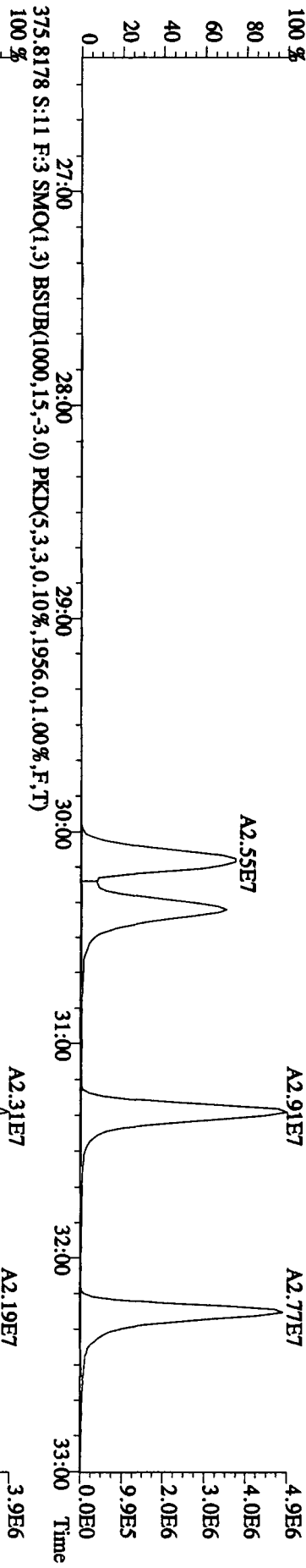
369.8919 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2048,0.1,00%,F,T)



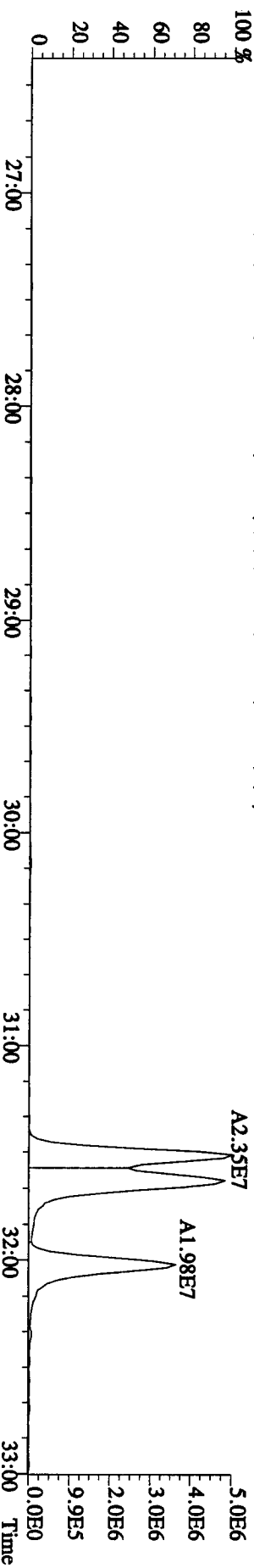
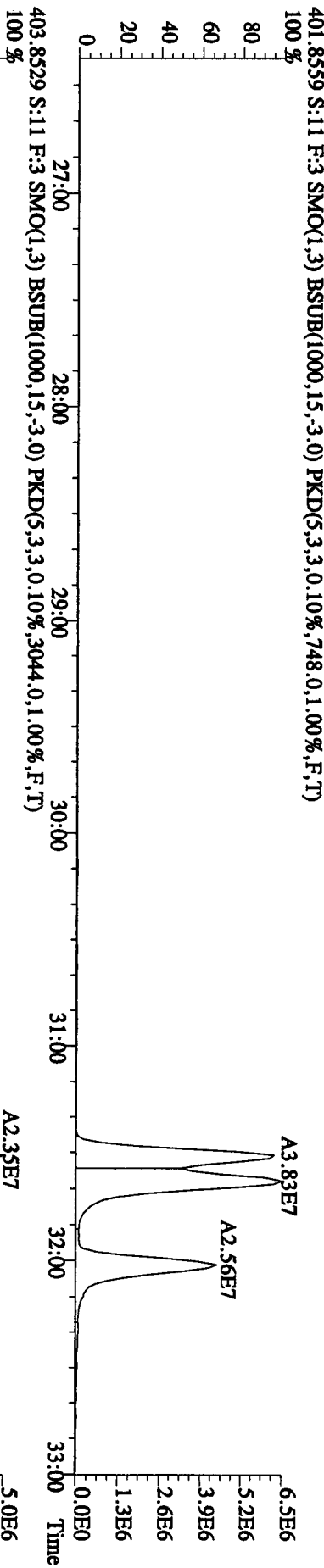
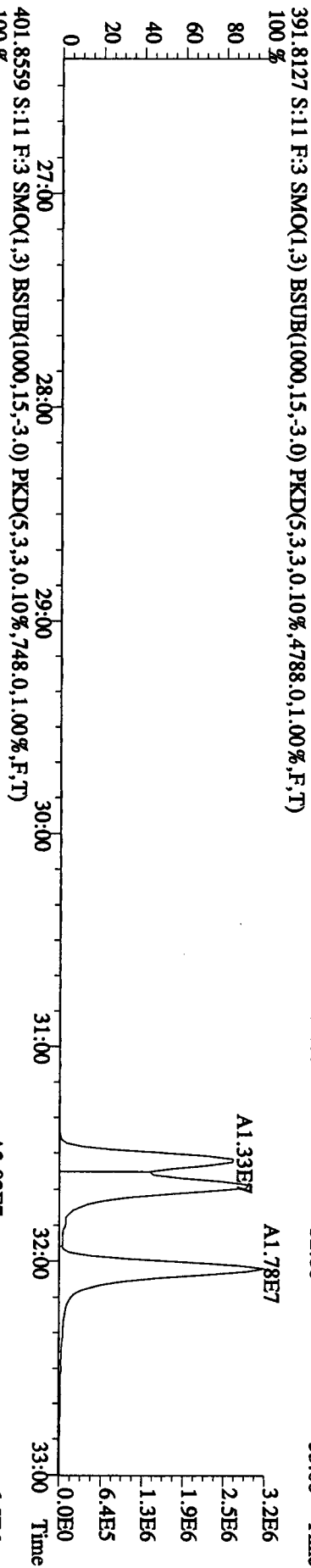
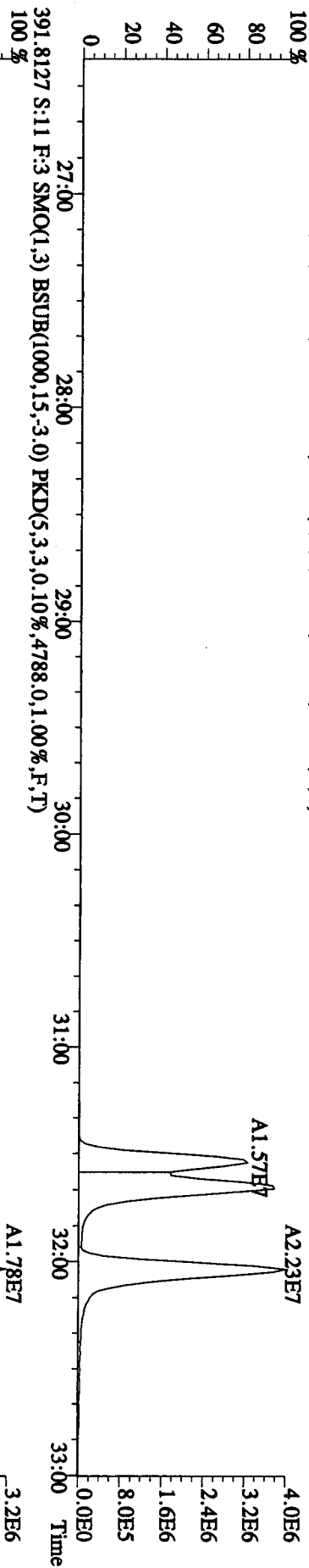
File:26AP10A1D5 #1-446 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE

Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN

373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14272.0,1.00%,F,T)



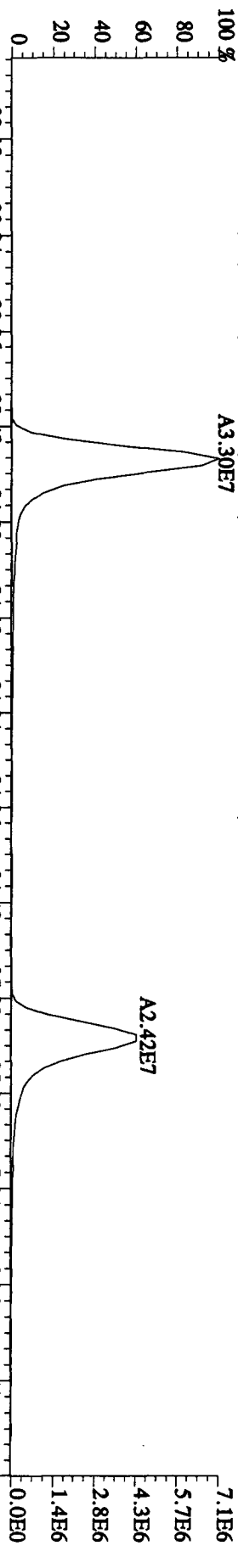
File:26API0AIDS #1-446 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE
 Sample#11 Text:1.X2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN
 389.8157 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1912.0,1.00%,F,T)
 100 %



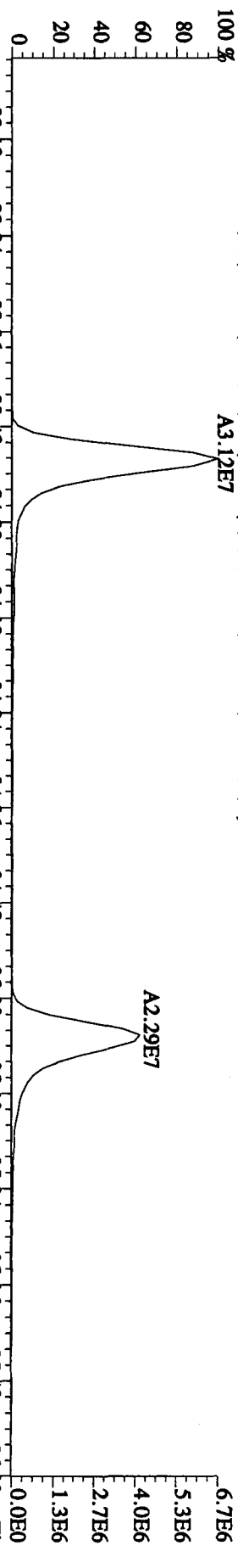
File:26AP10A1D5 #1-210 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE

Sample#11 Text:LX2NN-1-AC :G0DD15000-361C (461-26) Exp:DIOXIN

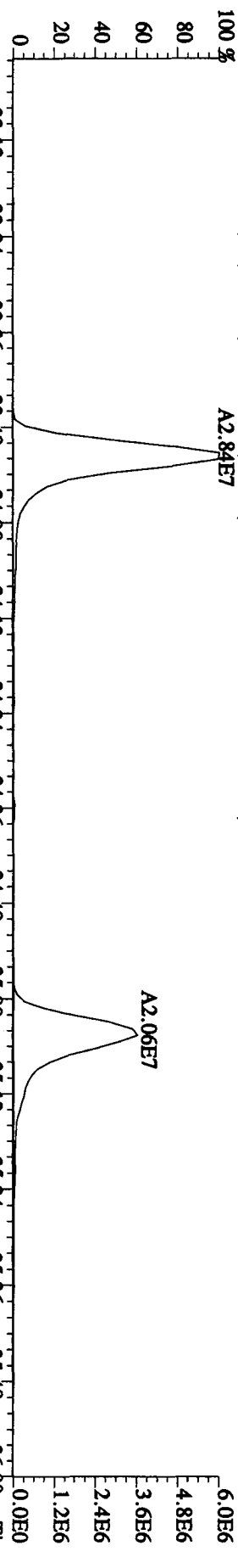
407.7818 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,13112.0,1.00%,F,T) 100%



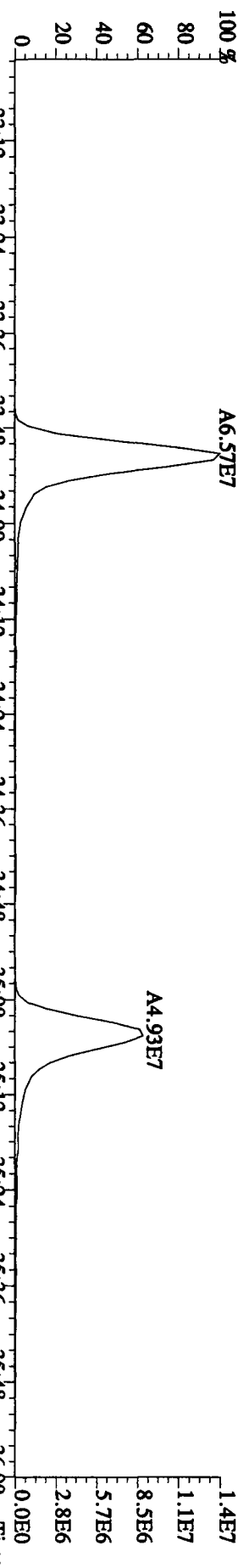
409.7789 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12232.0,1.00%,F,T) 100%

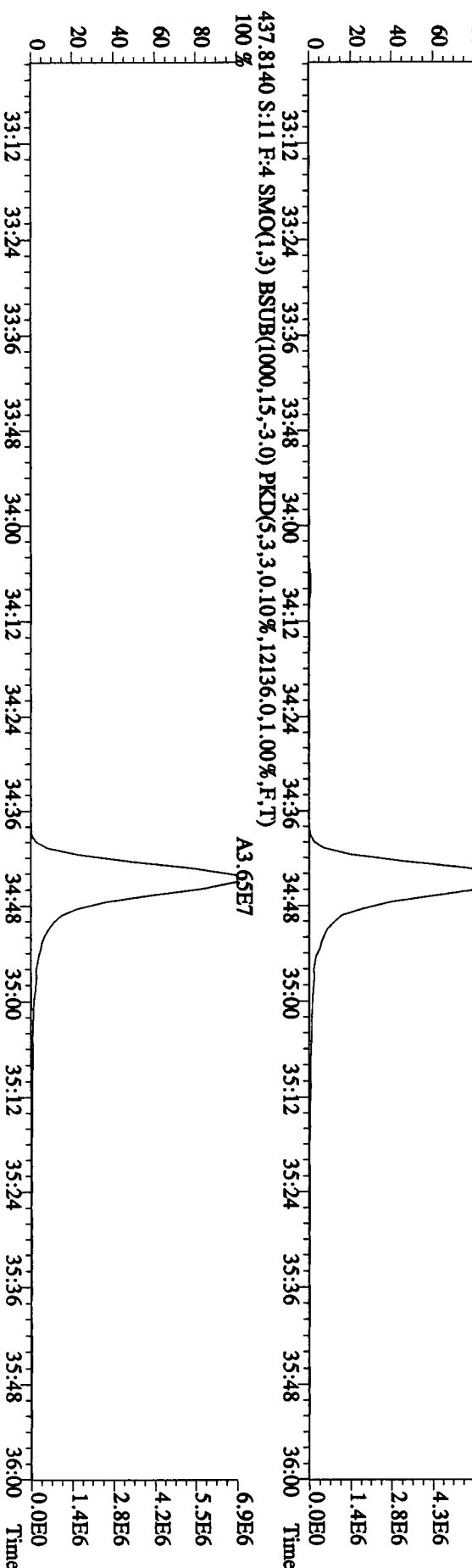
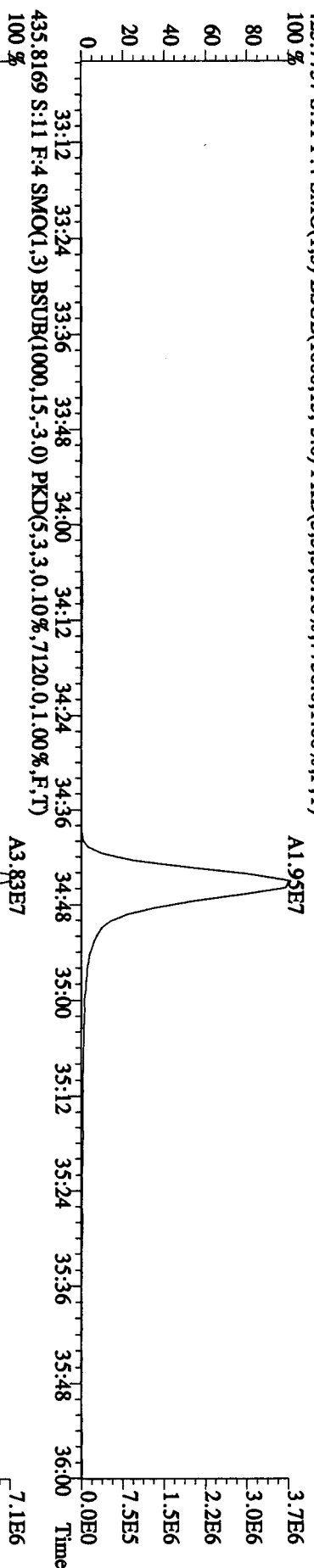
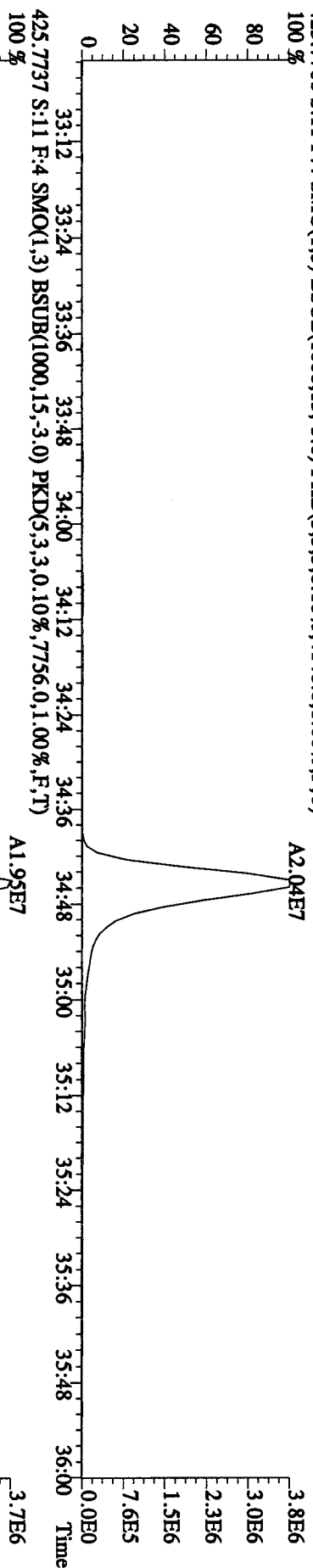


417.8253 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,15732.0,1.00%,F,T) 100%

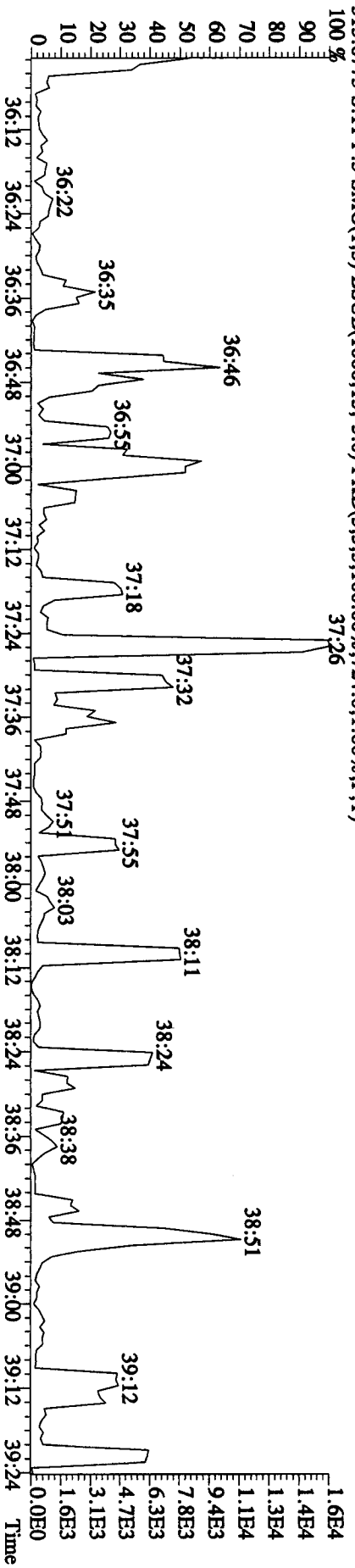
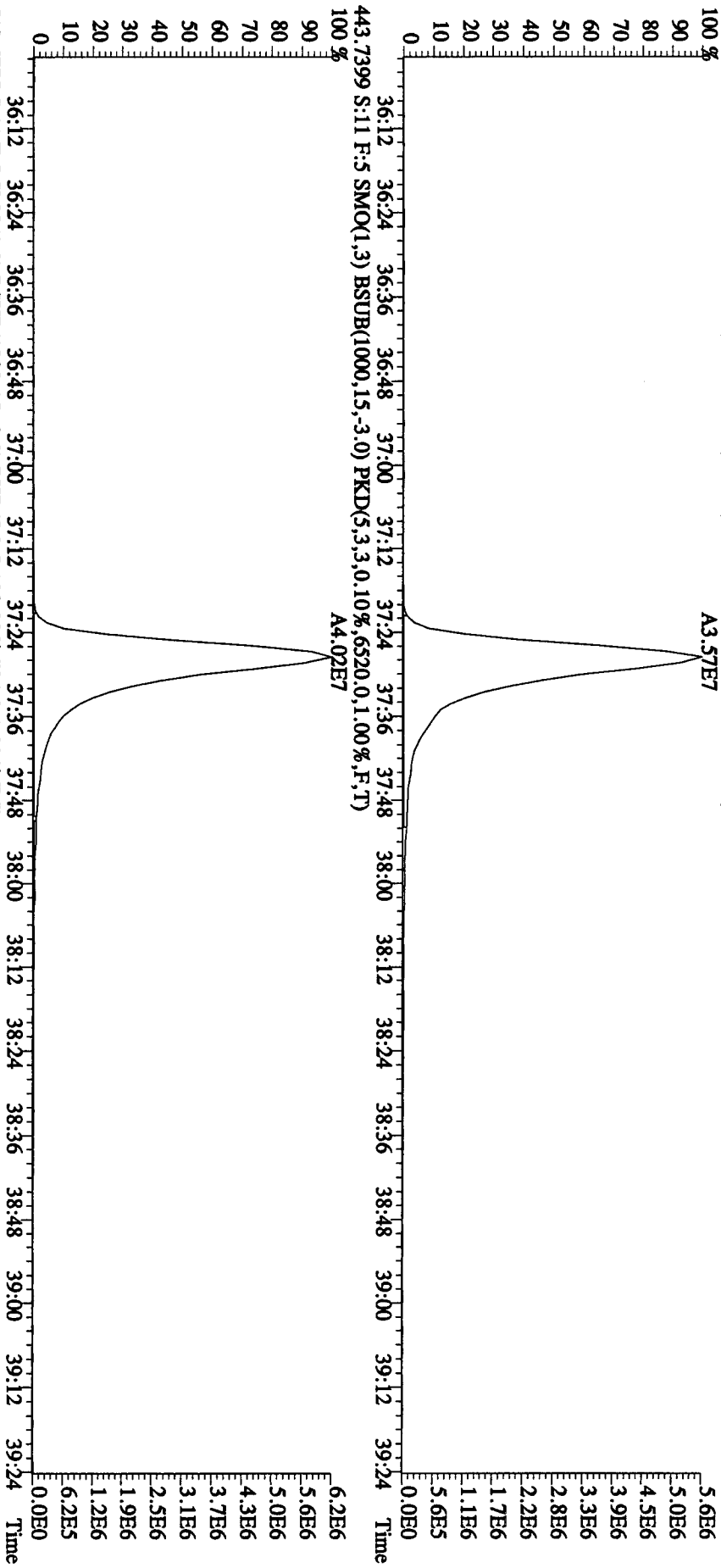


419.8220 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,32156.0,1.00%,F,T) 100%





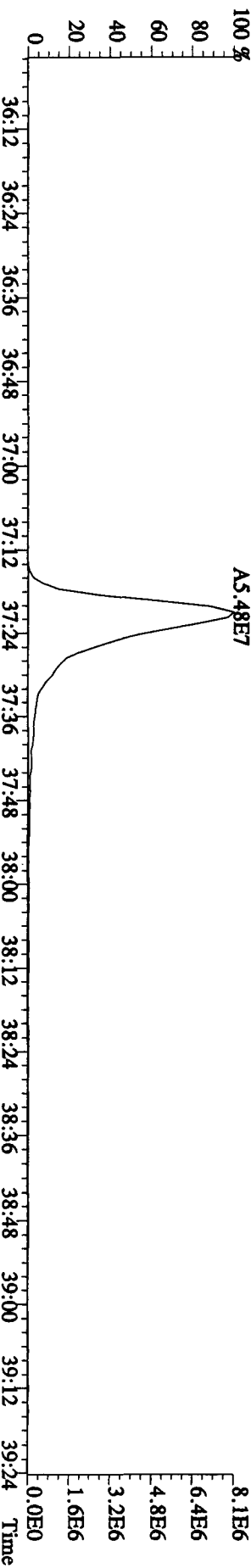
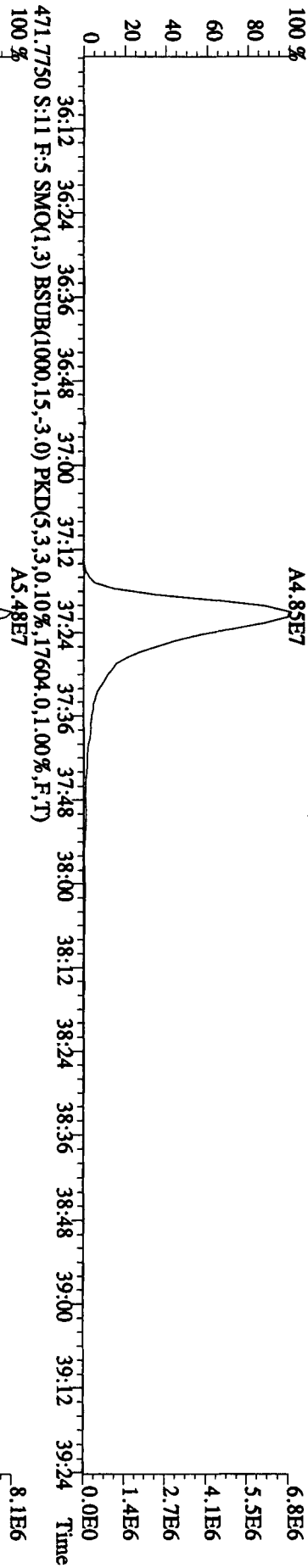
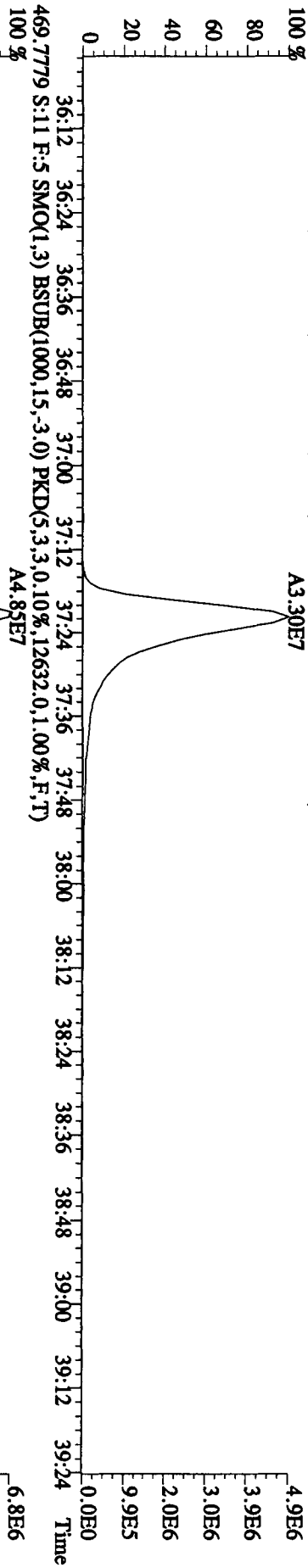
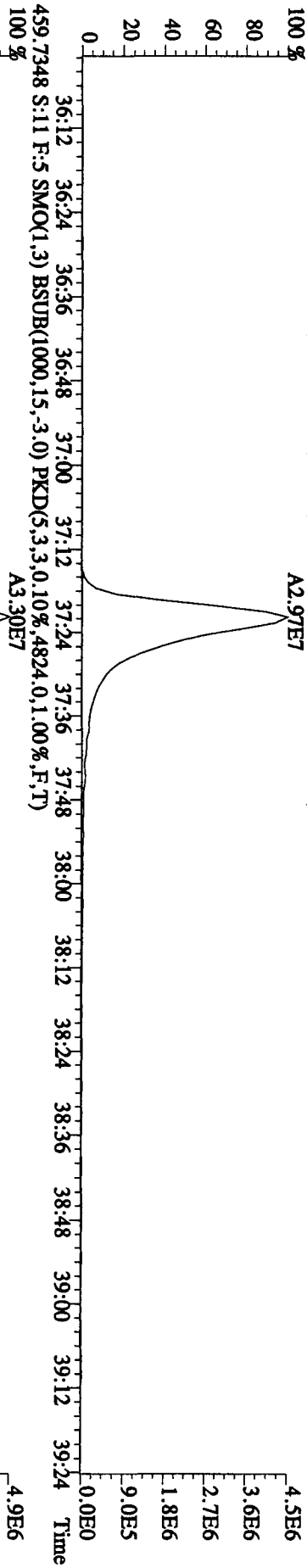
File:26API0AID5 #1-244 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE
 Sample#11 Text:IX2NN-1-AC :G0D15000-361C (461-26) Exp:DIOXIN
 441.7428 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8368,0.1,00%,F,T)
 A3.57E7



File:26AP10A1D5 #1-244 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE

Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN

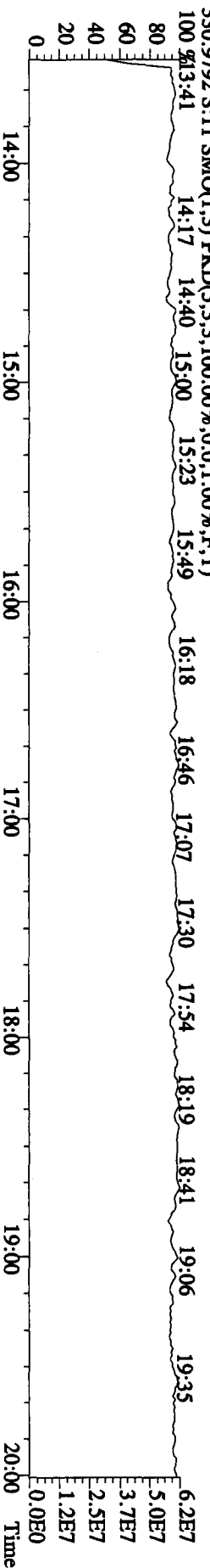
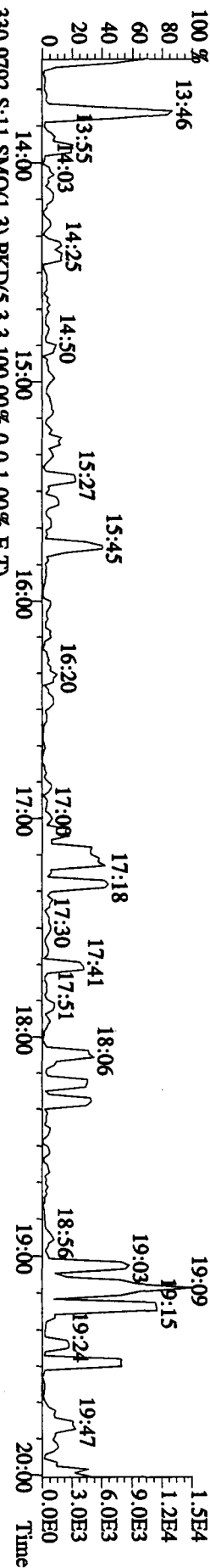
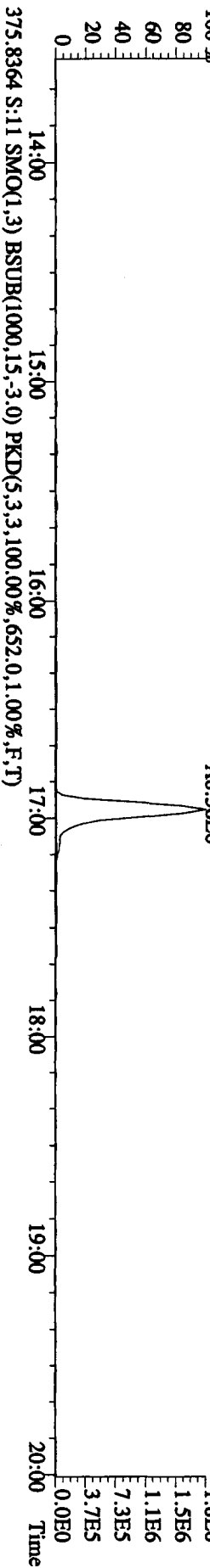
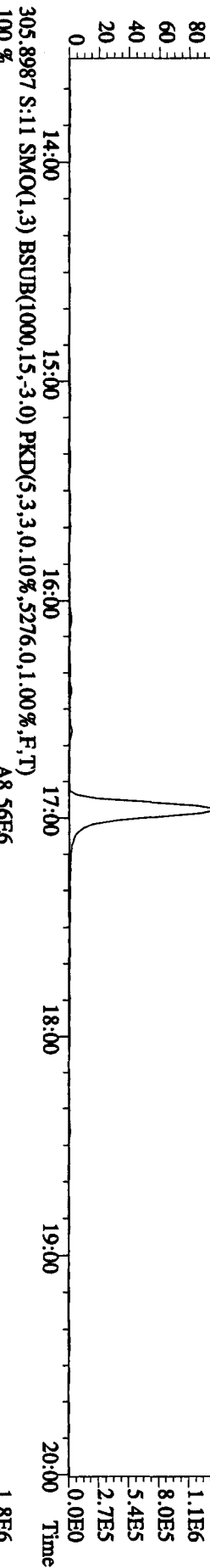
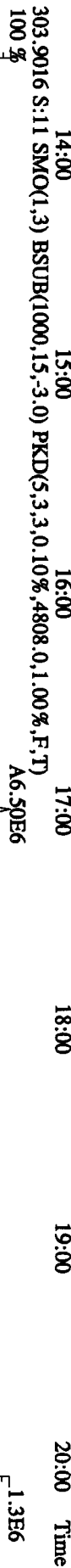
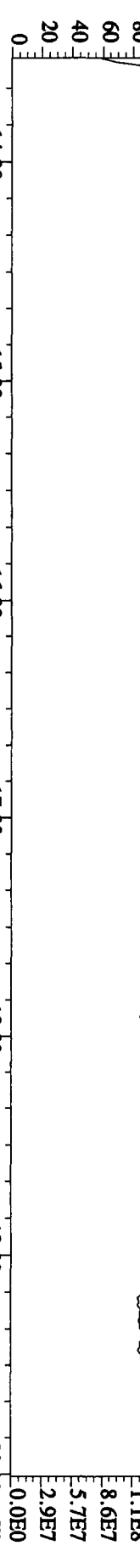
457.7377 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7352,0.1,00%,F,T) 100 %



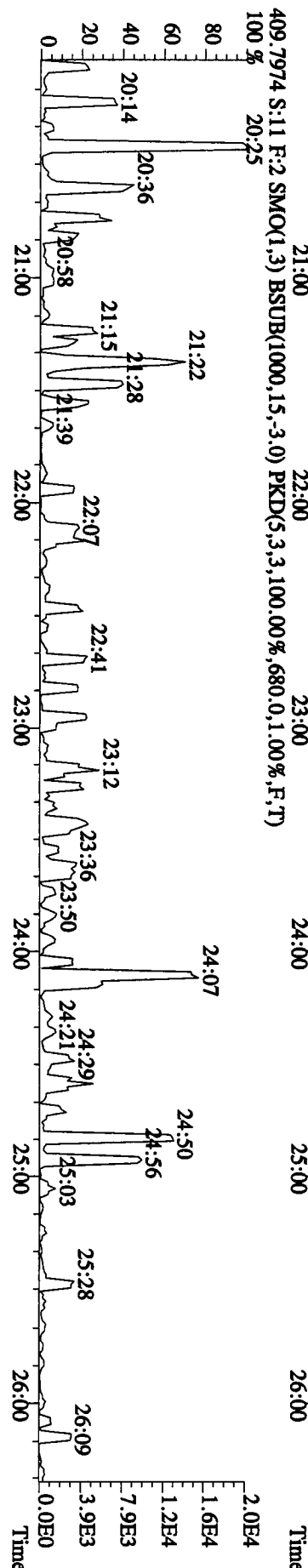
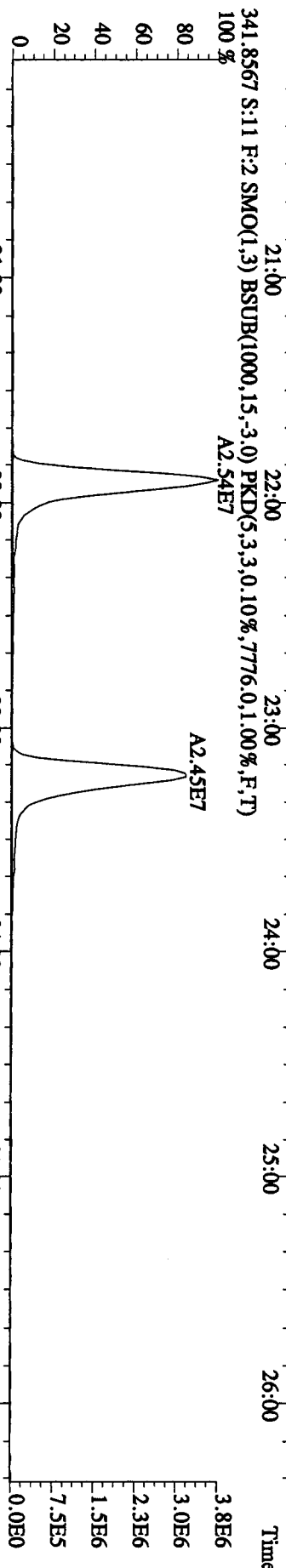
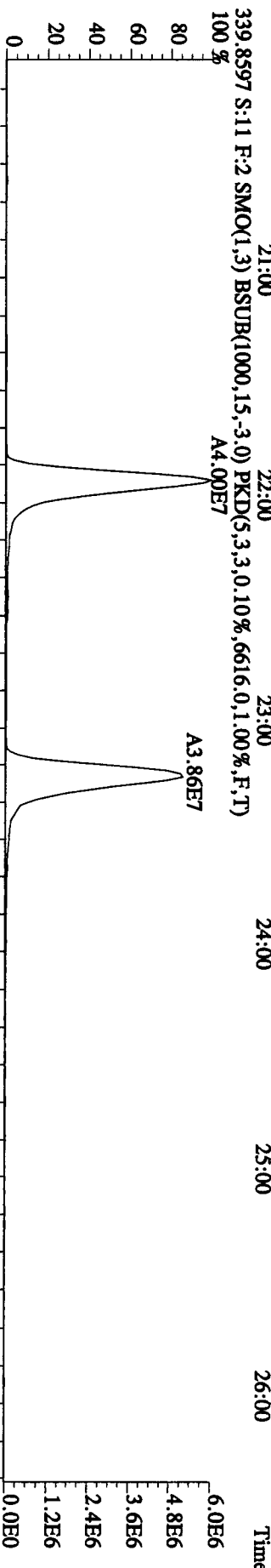
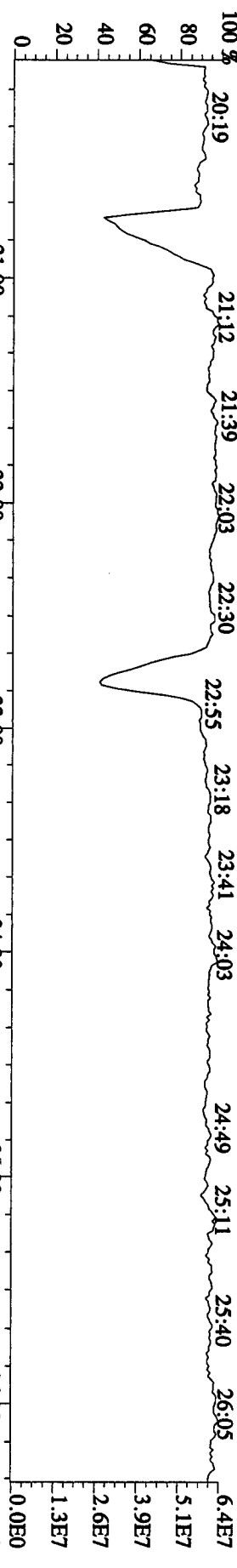
File:26API0A1D5 #1-384 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE

Sample#11 Text:1X2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN

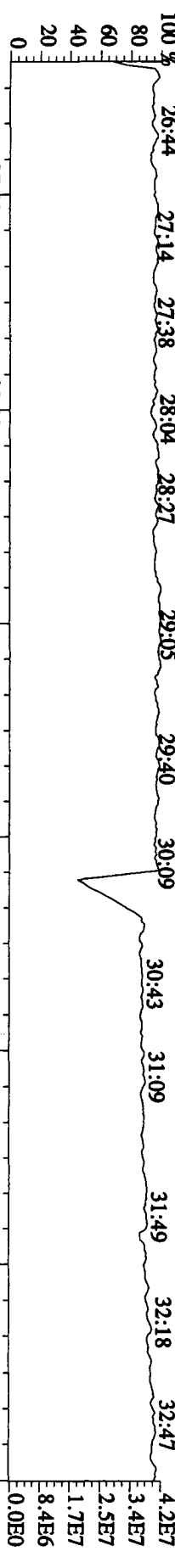
292.9825 S:11 SMO(1.3) PKD(5.3,5,100.00%,0.0,1.00%,F,T)



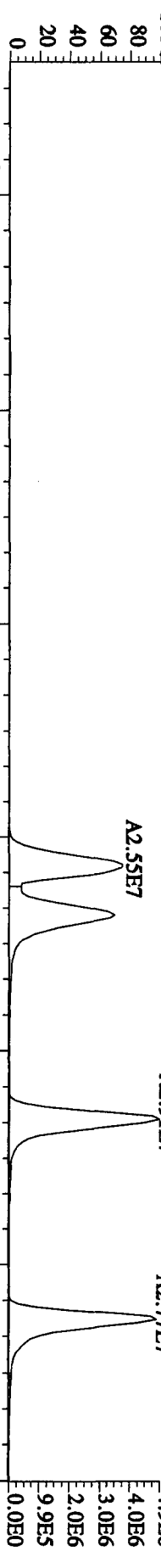
File: 26API0AID5 #1-445 Acq: 27-APR-2010 02:01:36 GC EI + Voltage SIR 70SE
 Sample#11 Tent: LX2NN-1-AC : GOD150000-361C (461-26) Exp: DIOXIN
 342.9792 S:11 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



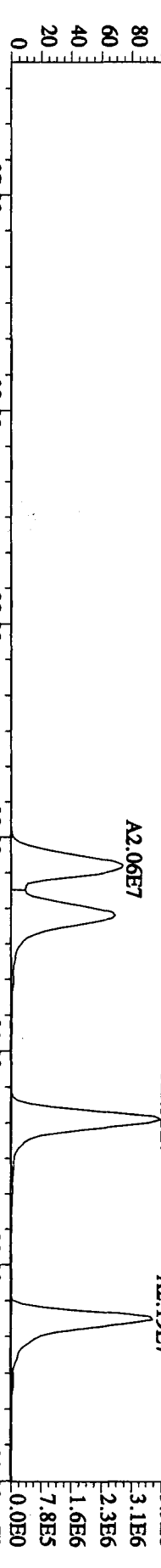
File: 26API0AIDS #1-446 Acq: 27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE
 Sample#11 Text: LIXNN-1-AC : GODI50000-361C (461-26) Exp: DIOXIN
 392.9760 S:1.1 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



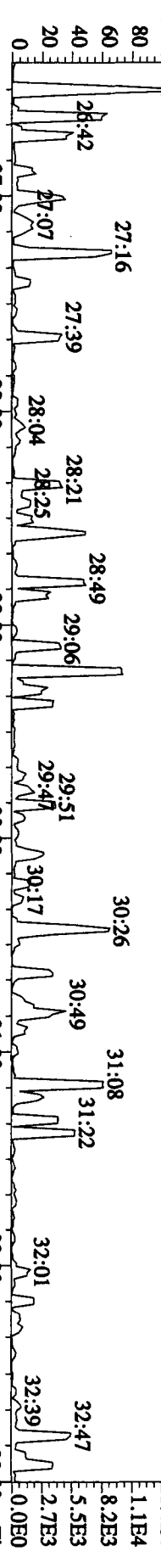
373.8208 S:1.1 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,14272.0,1.00%,F,T)



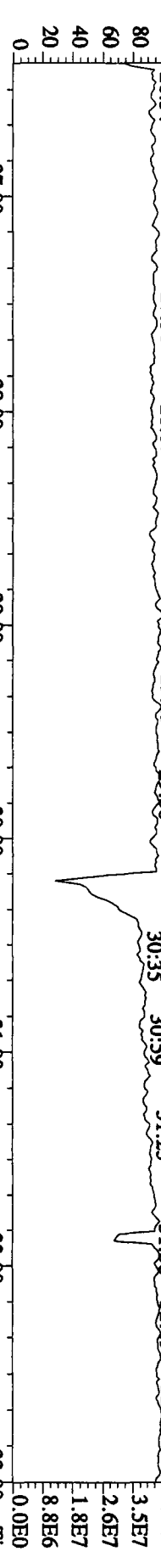
375.8178 S:1.1 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,1956.0,1.00%,F,T)

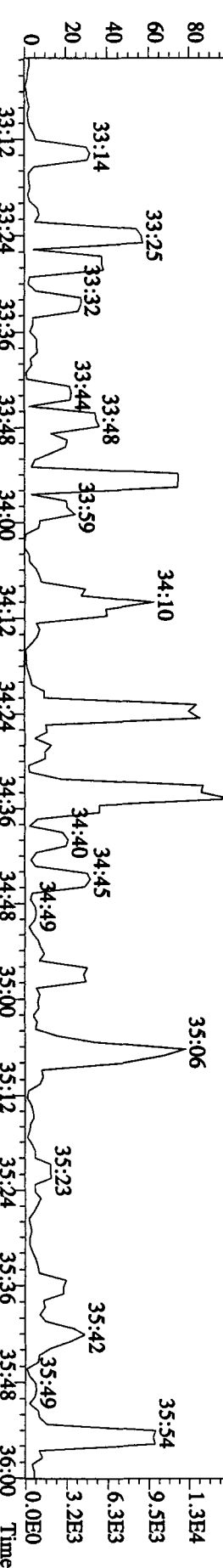
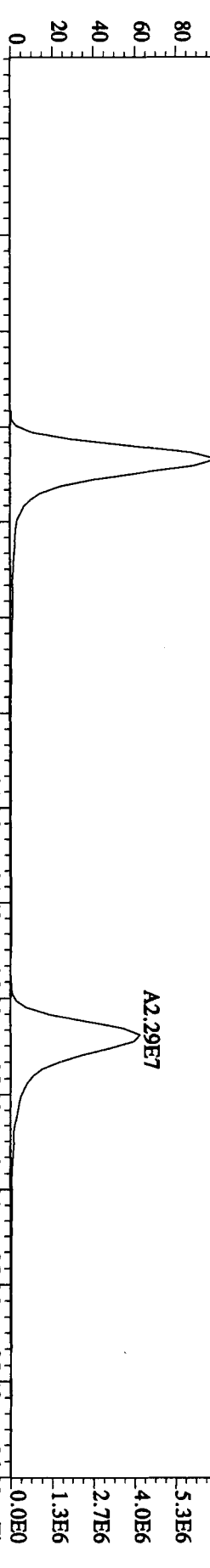
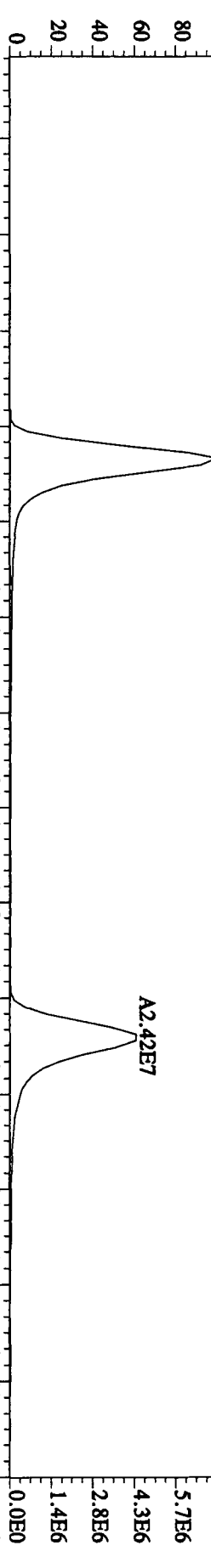
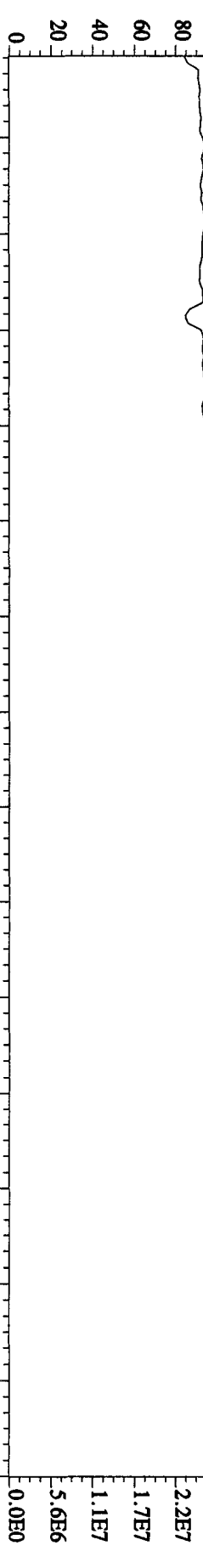


445.7555 S:1.1 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,304.0,1.00%,F,T)

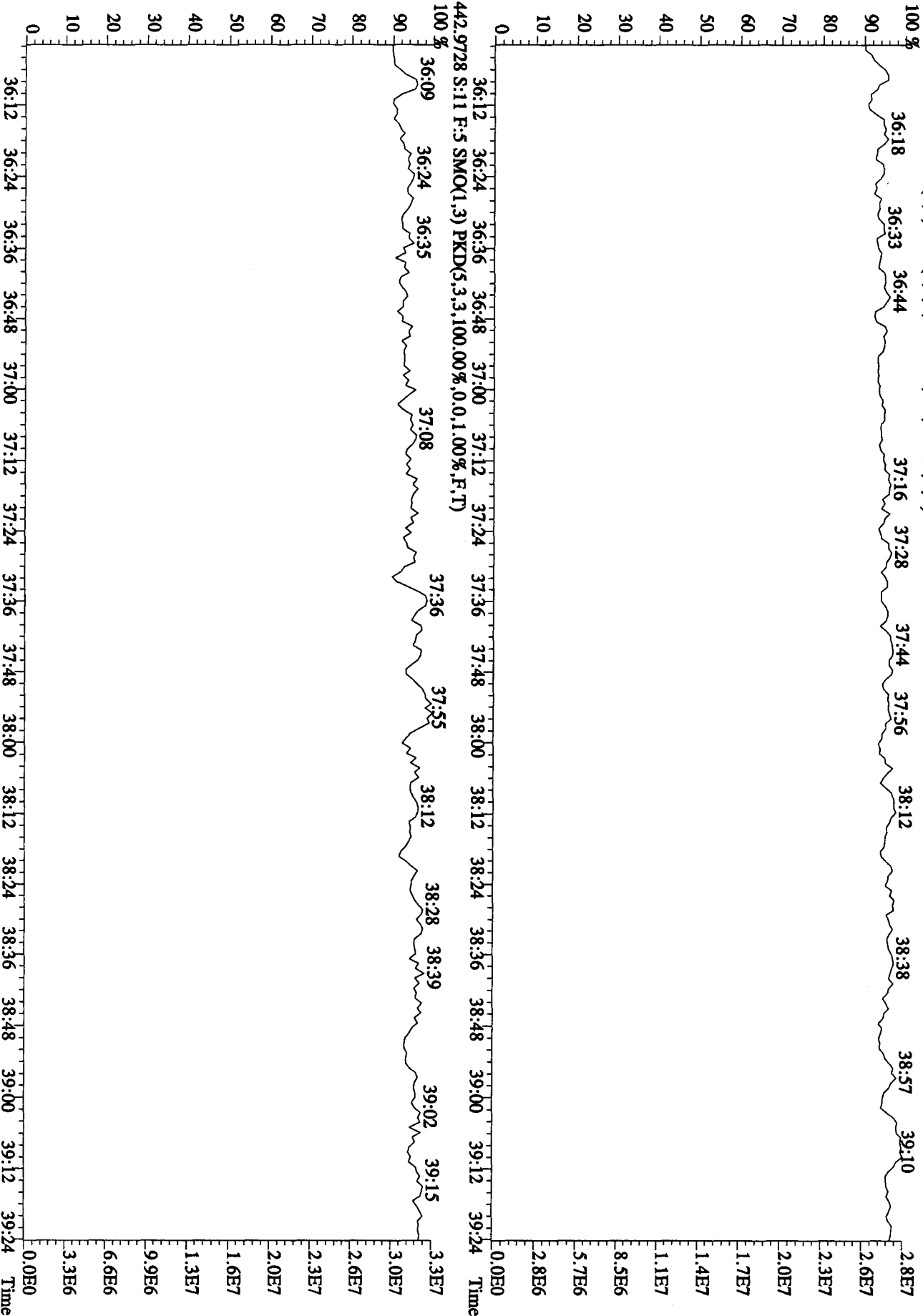


380.9760 S:1.1 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)





File:26AP10A1D5 #1-244 Acq:27-APR-2010 02:01:36 GC EI+ Voltage SIR 70SE
 Sample#11 Text:LX2NN-1-AC :G0D150000-361C (461-26) Exp:DIOXIN
 454.9728 S:11 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LXXKG-1-AD Sample text: LXXKG-1-AD :G0D140422-1
 Run #10 Filename: 27AP104D5 S: 7 I: 1 Results: 27ap104d58290a
 Acquired: 27-APR-10 16:17:30 Processed: 28-APR-10 10:30:22
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.32 g

AK 4/29/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	167985000	0.79 y	19:30	-	12.24	-	-	n
13C-2,3,7,8-TCDF	307629000	0.79 y	18:56	1.52	116.69	0.07	60.2	n
2,3,7,8-TCDF	3350670	0.75 y	18:58	0.95	2.23 <i>see 08225</i>	0.03	-	n
Total TCDF	21419857	0.88 y	16:14	0.95	14.27	0.03	-	n
13C-2,3,7,8-TCDD	222531500	0.80 y	19:42	0.95	135.16	0.11	69.7	n
2,3,7,8-TCDD	245338	0.58 n	19:44	1.02	0.21 <i>SQ</i>	0.04	-	n
Total TCDD	1784571	0.76 y	17:14	1.02	1.52	0.04	-	n
37Cl-2,3,7,8-TCDD	225984000	1.00 y	19:44	2.26	57.65	0.01	74.4	n
13C-1,2,3,7,8-PeCDF	236881200	1.56 y	24:35	1.05	130.09	0.08	67.1	n
1,2,3,7,8-PeCDF	2524120	1.50 y	24:36	1.04	1.98 <i>S</i>	0.07	-	n
2,3,4,7,8-PeCDF	1759552	1.57 y	26:06	0.98	1.47 <i>S</i>	0.07	-	n
Total F2 PeCDF	12306432	1.64 y	22:50	1.01	9.92	0.07	-	n
Total F1 PeCDF	1303547	0.38 n	20:41	1.01	1.05	0.05	-	n
13C-1,2,3,7,8-PeCDD	167037300	1.56 y	26:54	0.67	143.71	0.04	74.2	n
1,2,3,7,8-PeCDD	724379	1.57 y	26:56	0.98	0.86 <i>S</i>	0.06	-	n
Total PeCDD	1457096	1.54 y	23:16	0.98	1.72	0.06	-	n
13C-1,2,3,7,8,9-HxCDD	133733800	1.28 y	33:06	-	12.61	-	-	n
13C-1,2,3,4,7,8-HxCDF	144328900	0.52 y	31:56	1.02	102.04	0.03	52.7	n
1,2,3,4,7,8-HxCDF	1489210	1.24 y	31:57	1.21	1.65 <i>S</i>	0.07	-	y
1,2,3,6,7,8-HxCDF	2067478	1.19 y	32:04	1.34	2.07	0.06	-	y
2,3,4,6,7,8-HxCDF	1326320	1.08 y	32:37	1.22	1.46	0.07	-	y
1,2,3,7,8,9-HxCDF	1059237	1.25 y	33:17	1.09	1.30 <i>S</i>	0.08	-	y
Total HxCDF	9624658	1.16 y	30:34	1.22	10.54	0.07	-	y
13C-1,2,3,6,7,8-HxCDD	137353800	1.28 y	32:50	0.81	123.31	0.01	63.6	n
1,2,3,4,7,8-HxCDD	672670	1.08 y	32:46	1.01	0.94 <i>S</i>	0.03	-	n
1,2,3,6,7,8-HxCDD	926084	1.32 y	32:51	1.11	1.17 <i>S</i>	0.03	-	n
1,2,3,7,8,9-HxCDD	876408	1.35 y	33:07	1.21	1.02 <i>S</i>	0.03	-	n
Total HxCDD	2813536	1.77 n	31:24	1.11	2.57	0.03	-	n
13C-1,2,3,4,6,7,8-HpCDF	107276800	0.44 y	34:36	0.86	90.11	0.33	46.5	n
1,2,3,4,6,7,8-HpCDF	2225140	0.99 y	34:37	1.31	3.07 <i>S</i>	0.07	-	n
1,2,3,4,7,8,9-HpCDF	1154167	0.92 y	35:45	1.03	2.03 <i>S</i>	0.09	-	n
Total HpCDF	4138277	0.99 y	34:37	1.17	6.28	0.08	-	n
13C-1,2,3,4,6,7,8-HpCDD	93622600	1.06 y	35:24	0.70	97.26	0.16	50.2	n
1,2,3,4,6,7,8-HpCDD	765840	0.95 y	35:26	1.07	1.48 <i>S</i>	0.04	-	n
Total HpCDD	1009971	1.13 y	34:51	1.07	1.95	0.04	-	n
13C-OCDD	82032600	0.90 y	37:55	0.53	111.85	0.02	28.9	n
OCDF	2657310	0.91 y	38:02	1.45	8.69 <i>S</i>	0.13	-	n

OCDD 1378644 0.92 y 37:55 1.17

✓ 5.59

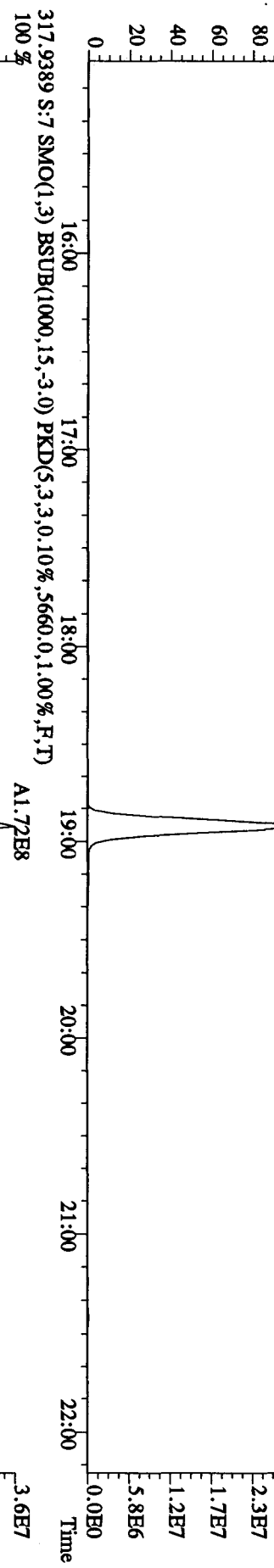
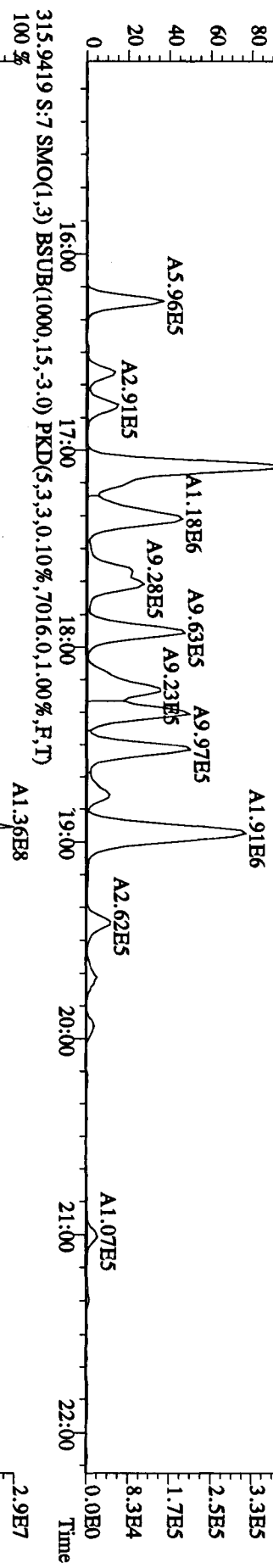
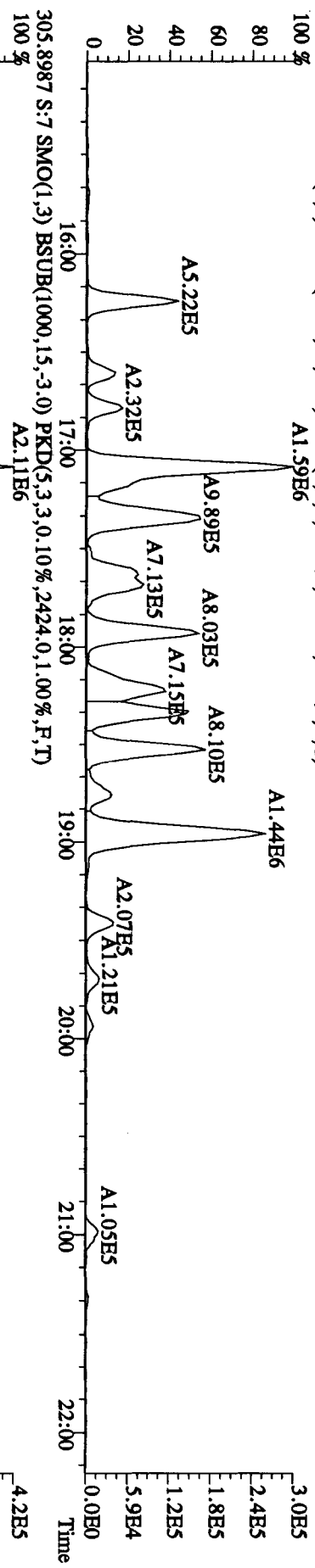
0.15

- n

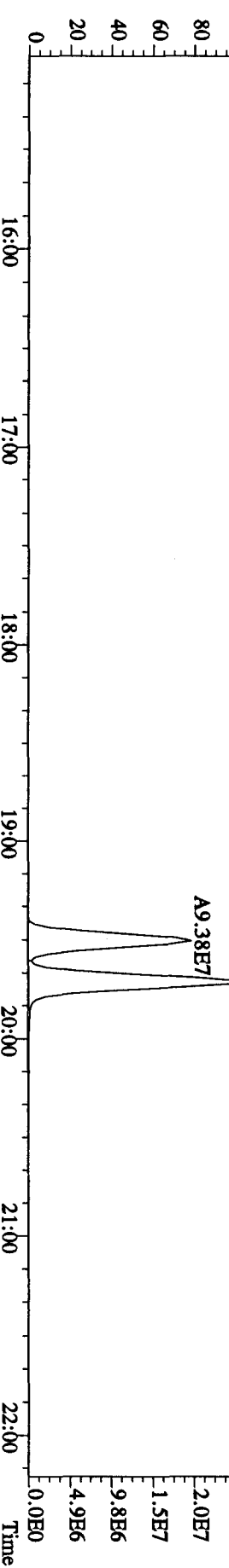
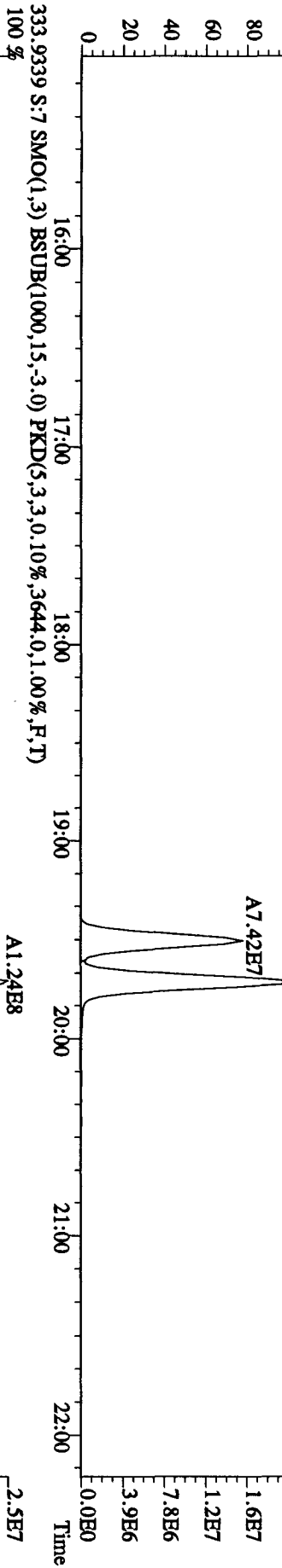
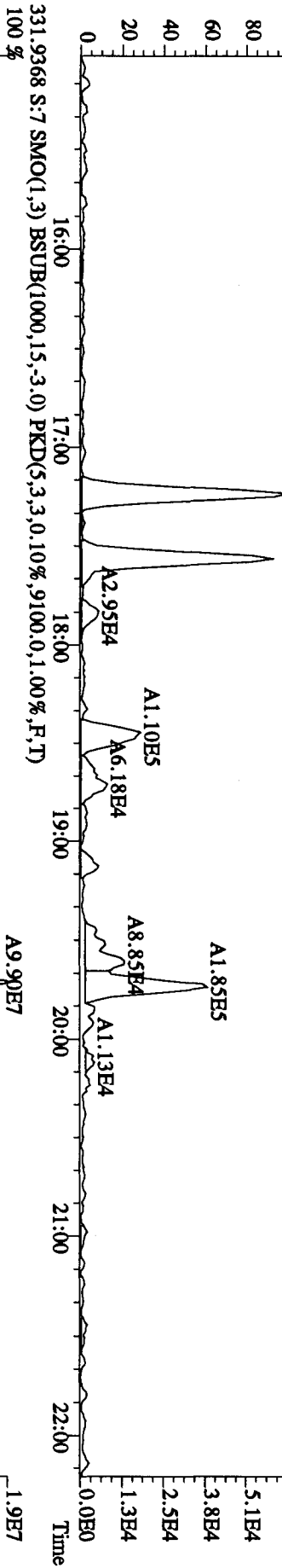
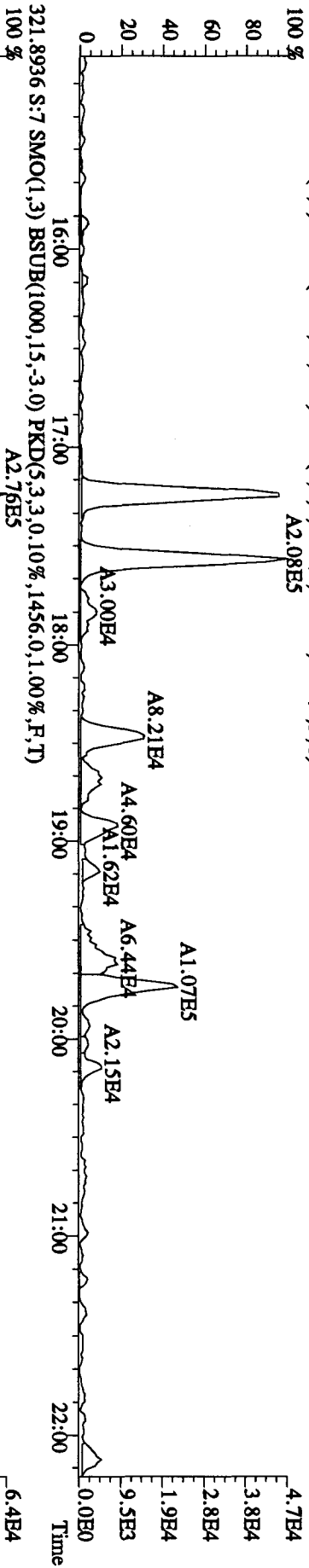
Run text: LXXKG-1-AD Sample text: LXXKG-1-AD :G0D140422-1
 Run #10 Filename: 27AP104D5 S: 7 I: 1 Results: 27AP104D58290A
 Acquired: 27-APR-10 16:17:30 Processed: 28-APR-10 10:30:22
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.32 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	167985000	0.79 y	19:30	-	12.2352	-	-	n
13C-2,3,7,8-TCDF	307629000	0.79 y	18:56	1.52	116.6871	0.0703	60.2	n
2,3,7,8-TCDF	3350670	0.75 y	18:58	0.95	2.2329	0.0339	-	n
Total TCDF	21419857	0.88 y	16:14	0.95	14.2745	0.0339	-	n
13C-2,3,7,8-TCDD	222531500	0.80 y	19:42	0.95	135.1638	0.1131	69.7	n
2,3,7,8-TCDD	245338	0.58 n	19:44	1.02	0.2093	0.0370	-	n
Total TCDD	1784571	0.76 y	17:14	1.02	1.5222	0.0370	-	n
37Cl-2,3,7,8-TCDD	225984000	1.00 y	19:44	2.26	57.6460	0.0103	74.4	n
13C-1,2,3,7,8-PeCDF	236881200	1.56 y	24:35	1.05	130.0938	0.0792	67.1	n
1,2,3,7,8-PeCDF	2524120	1.50 y	24:36	1.04	1.9766	0.0673	-	n
2,3,4,7,8-PeCDF	1759552	1.57 y	26:06	0.98	1.4657	0.0716	-	n
Total F2 PeCDF	12306432	1.64 y	22:50	1.01	9.9188	0.0694	-	n
Total F1 PeCDF	1303547	0.38 n	20:41	1.01	1.0523	0.0476	-	n
13C-1,2,3,7,8-PeCDD	167037300	1.56 y	26:54	0.67	143.7094	0.0431	74.2	n
1,2,3,7,8-PeCDD	724379	1.57 y	26:56	0.98	0.8559	0.0555	-	n
Total PeCDD	1457096	1.54 y	23:16	0.98	1.7217	0.0555	-	n
13C-1,2,3,7,8,9-HxCDD	133733800	1.28 y	33:06	-	12.6110	-	-	n
13C-1,2,3,4,7,8-HxCDF	144328900	0.52 y	31:56	1.02	102.0392	0.0302	52.7	n
1,2,3,4,7,8-HxCDF	2386580	1.22 y	31:57	1.21	2.6427	0.0680	-	n
1,2,3,6,7,8-HxCDF	2035025	1.18 y	32:04	1.34	2.0350	0.0614	-	n
2,3,4,6,7,8-HxCDF	1365580	1.05 n	32:37	1.22	1.5002	0.0675	-	n
1,2,3,7,8,9-HxCDF	1335528	1.21 y	33:17	1.09	1.6415	0.0755	-	n
Total HxCDF	10216366	1.16 y	30:34	1.22	11.2312	0.0678	-	n
13C-1,2,3,6,7,8-HxCDD	137353800	1.28 y	32:50	0.81	123.3133	0.0109	63.6	n
1,2,3,4,7,8-HxCDD	672670	1.08 y	32:46	1.01	0.9427	0.0315	-	n
1,2,3,6,7,8-HxCDD	926084	1.32 y	32:51	1.11	1.1730	0.0285	-	n
1,2,3,7,8,9-HxCDD	876408	1.35 y	33:07	1.21	1.0228	0.0262	-	n
Total HxCDD	2813536	1.77 n	31:24	1.11	3.5687	0.0286	-	n
13C-1,2,3,4,6,7,8-HpCDF	107276800	0.44 y	34:36	0.86	90.1115	0.3325	46.5	n
1,2,3,4,6,7,8-HpCDF	2225140	0.99 y	34:37	1.31	3.0693	0.0694	-	n
1,2,3,4,7,8,9-HpCDF	1154167	0.92 y	35:45	1.03	2.0329	0.0887	-	n
Total HpCDF	4138277	0.99 y	34:37	1.17	6.2764	0.0779	-	n
13C-1,2,3,4,6,7,8-HpCDD	93622600	1.06 y	35:24	0.70	97.2565	0.1632	50.2	n
1,2,3,4,6,7,8-HpCDD	765840	0.95 y	35:26	1.07	1.4790	0.0429	-	n
Total HpCDD	1009971	1.13 y	34:51	1.07	1.9505	0.0429	-	n
13C-OCDD	82032600	0.90 y	37:55	0.53	111.8548	0.0188	28.9	n
OCDF	2657310	0.91 y	38:02	1.45	8.6868	0.1297	-	n
OCDD	1378644	0.92 y	37:55	1.17	5.5854	0.1453	-	n

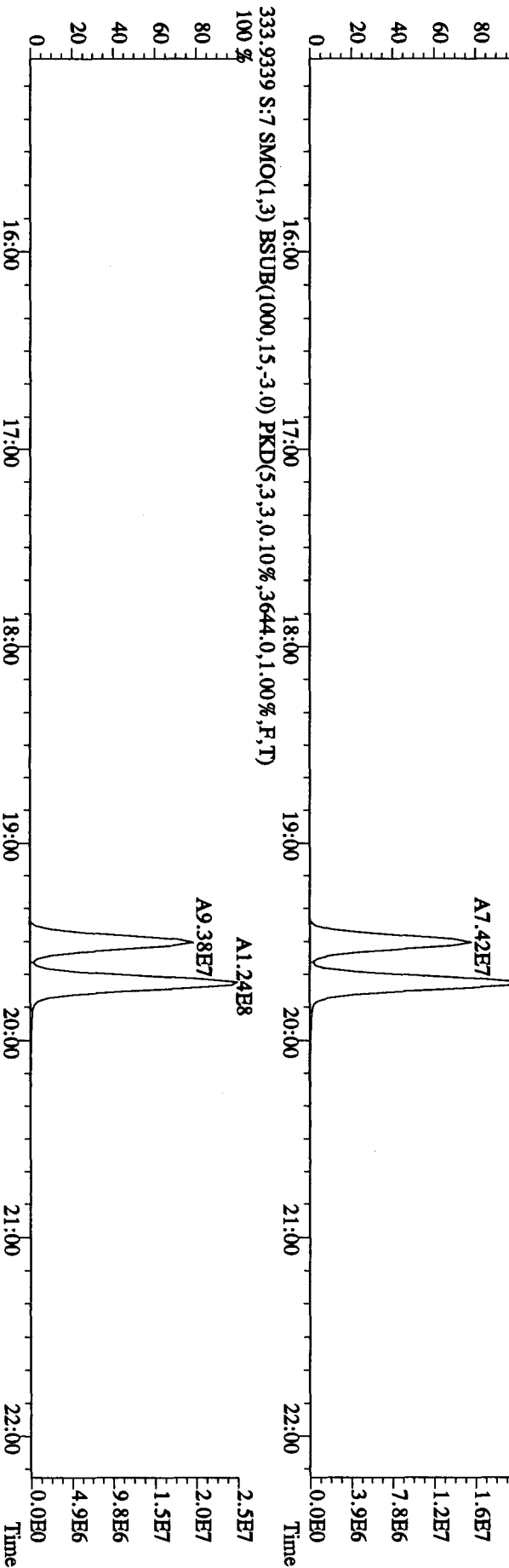
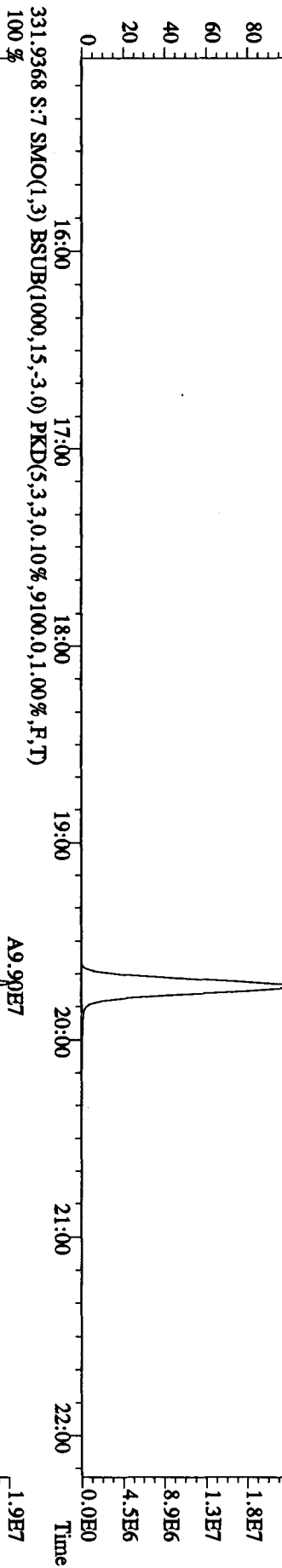
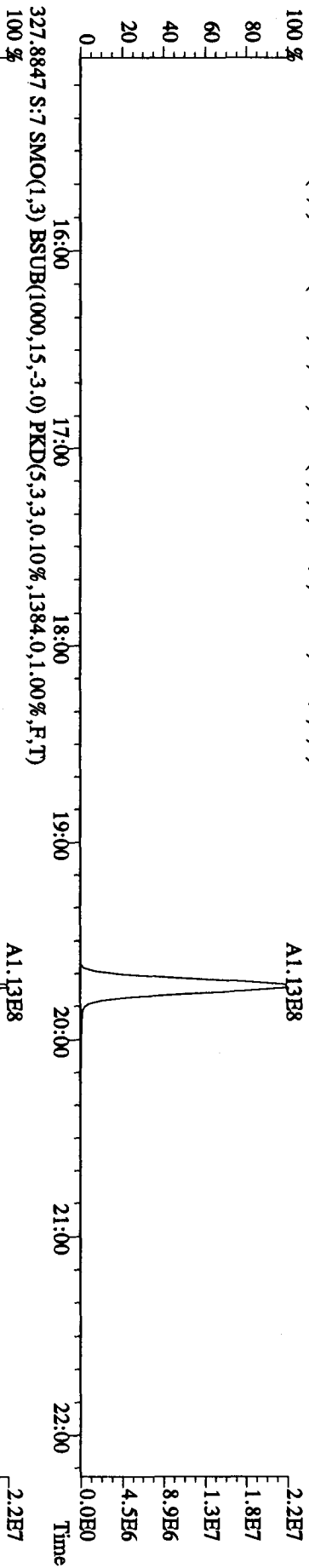
File: 27AD104D5 #1-434 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: LXXXG-1-AD : GOD140422-1 Exp: DIOXINRES8290A
 303.9016 S: 7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1152,0,1,00%,F,T)
 100 % A1.59E6



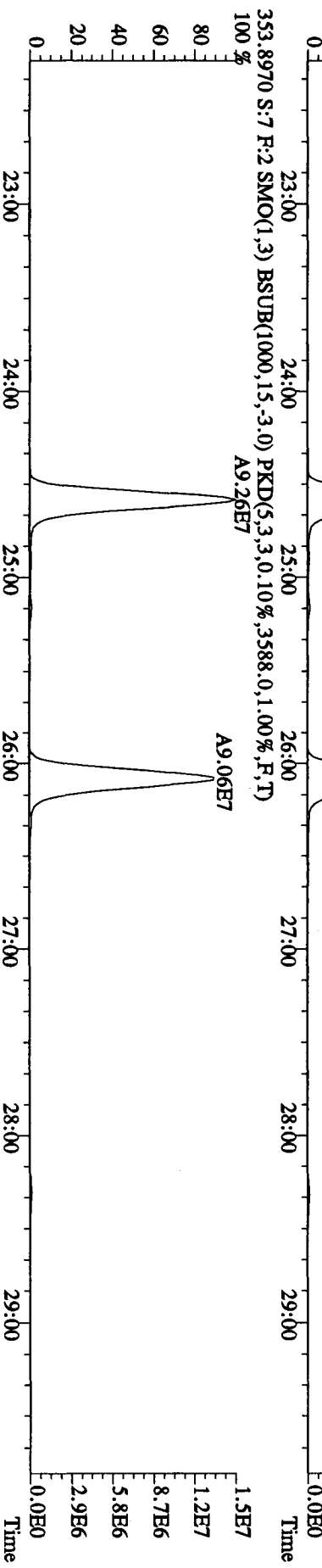
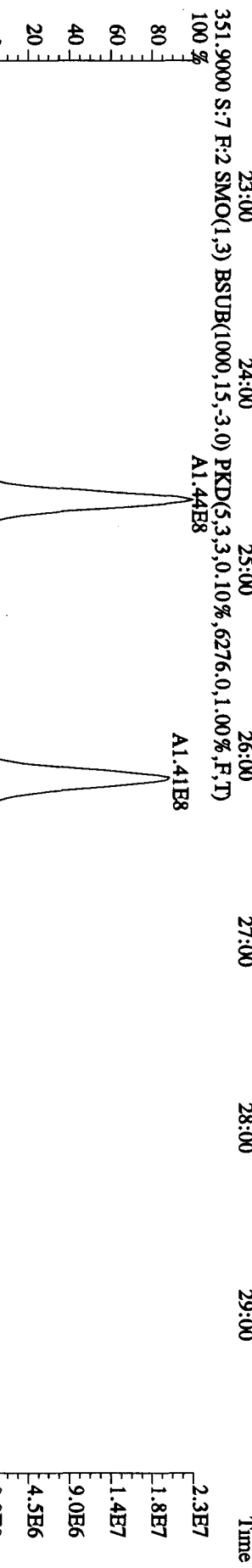
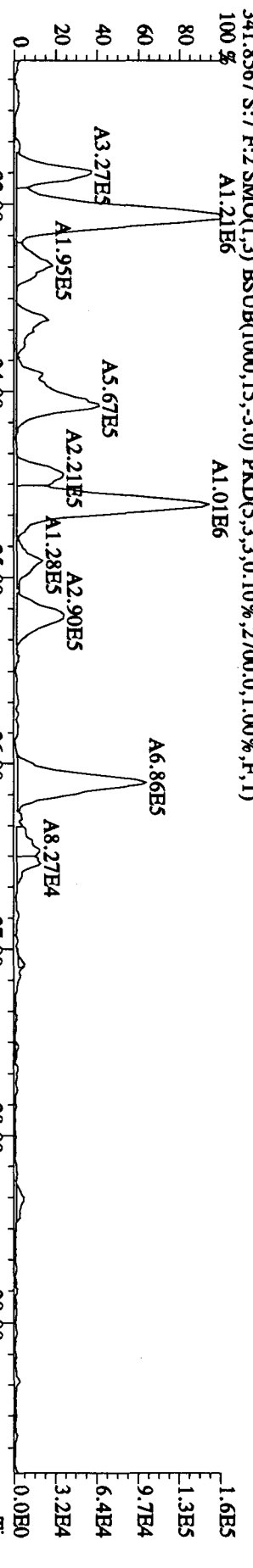
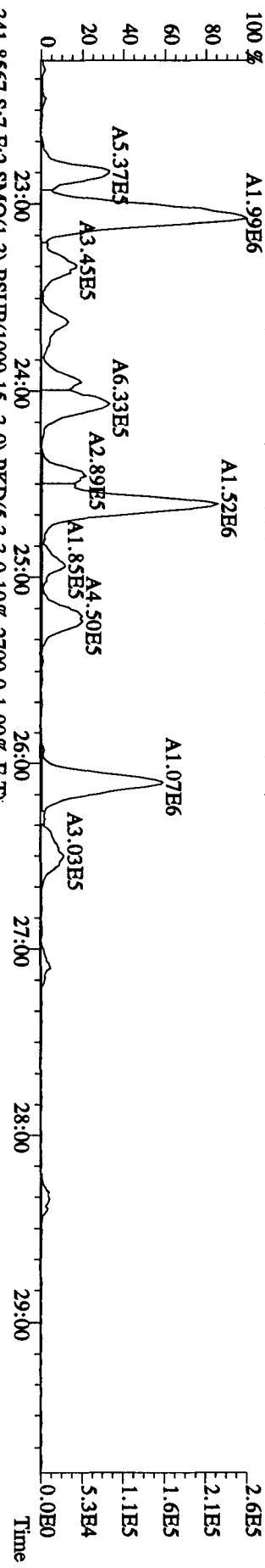
File:27AD104D5 #1-434 Acq:27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXXXG-1-AD :G0D140422-1 Exp:DIOXINRES8290A
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1404,0,1,00%,F,T)
 100 % A2.08E5



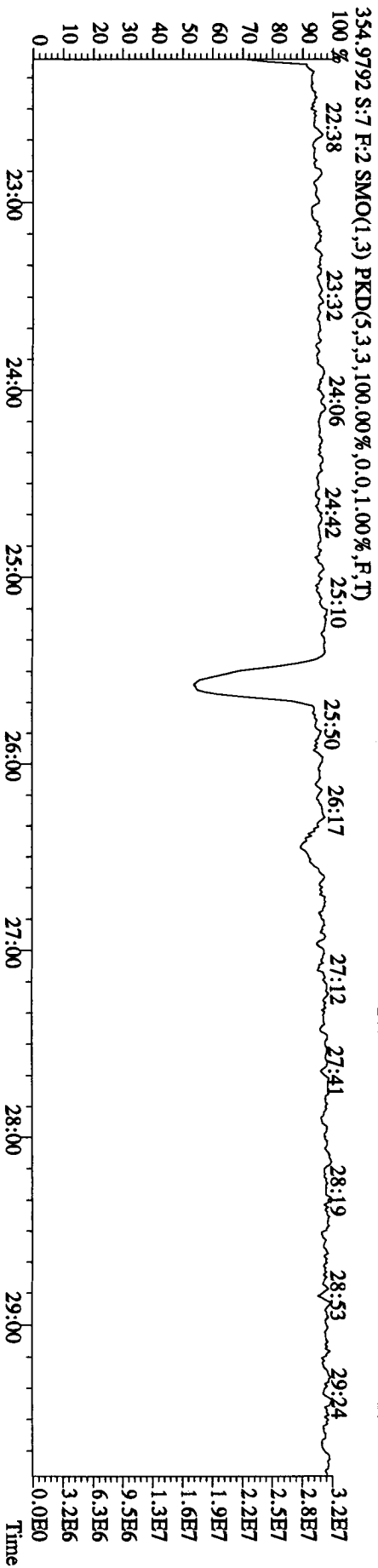
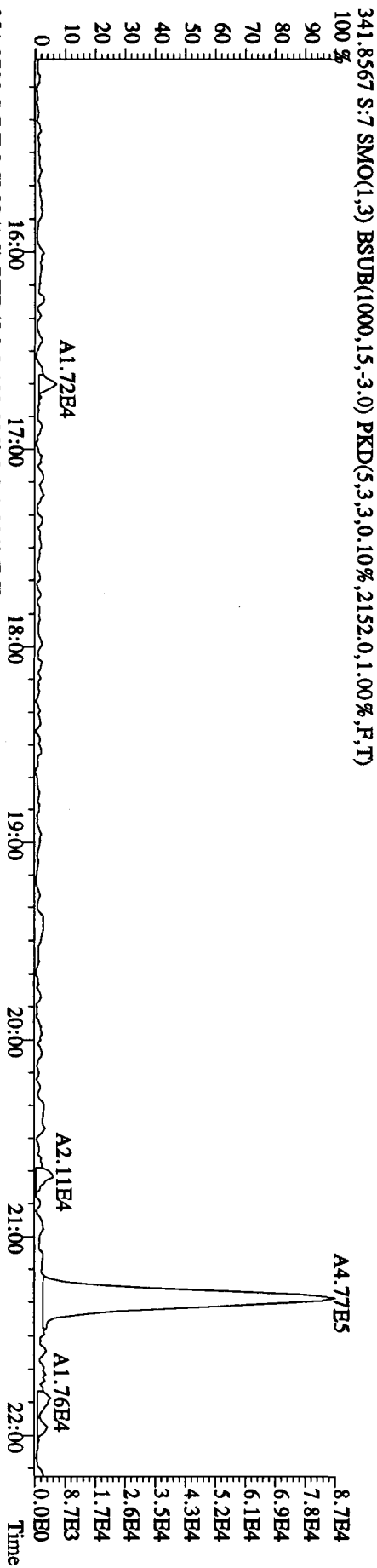
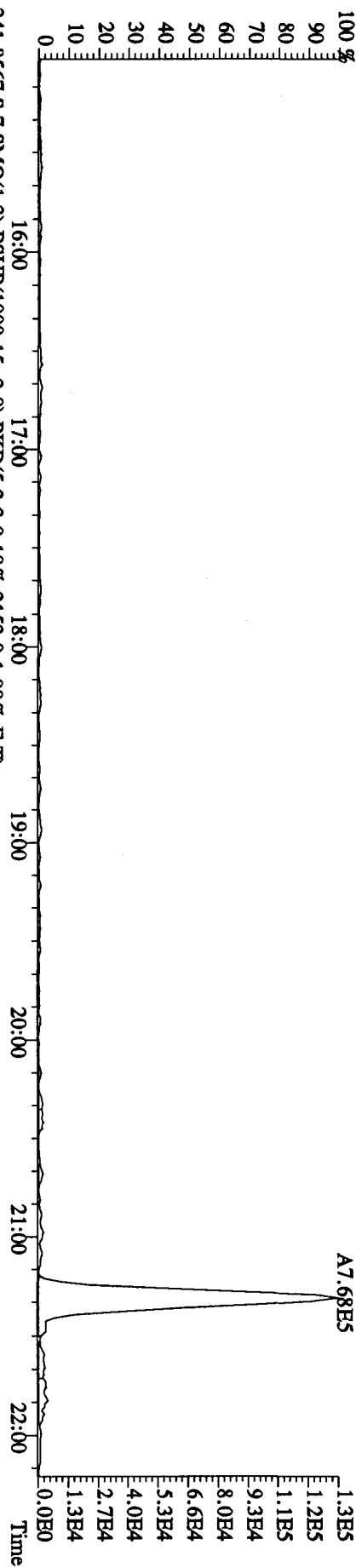
File:27AP104D5 #1-434 Acq:27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXXXG-1-AD :G0D140422-1 Exp:DIOXINRES8290A
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1384,0,1,00%,F,T)



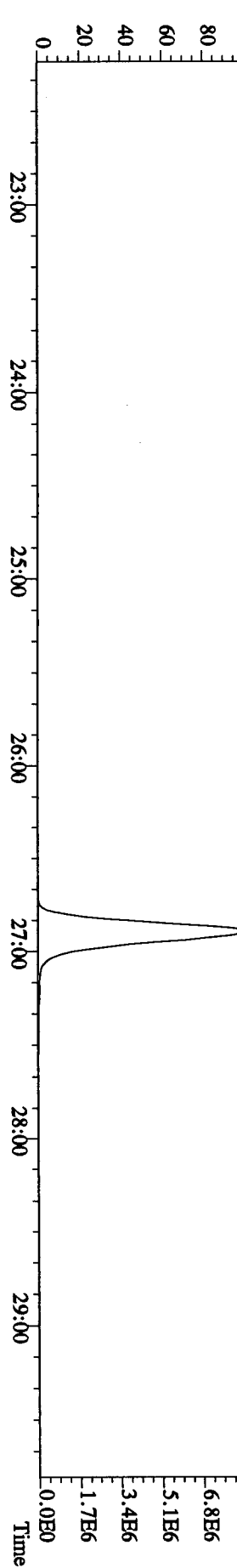
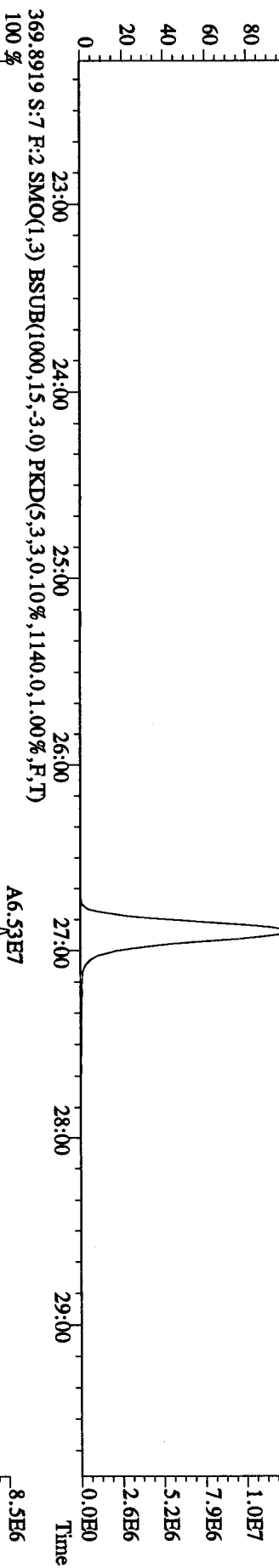
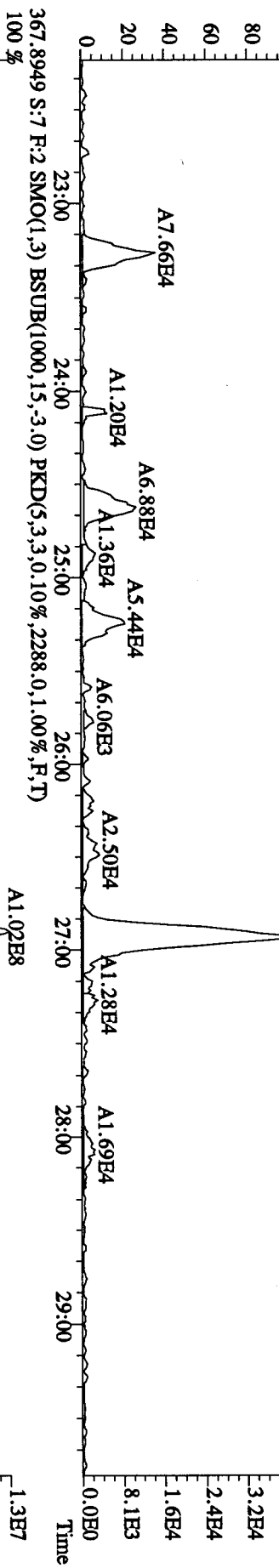
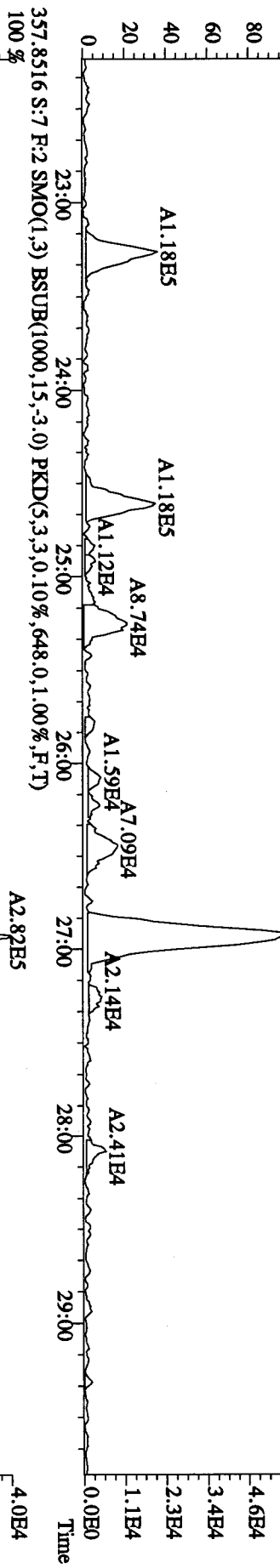
File:27AD104D5 #1-604 Acq:27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXXKG-1-AD :GOD140422-1 Exp:DIOXINRES8290A
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788,0,1.00%,F,T)
 100 % A1.99E6



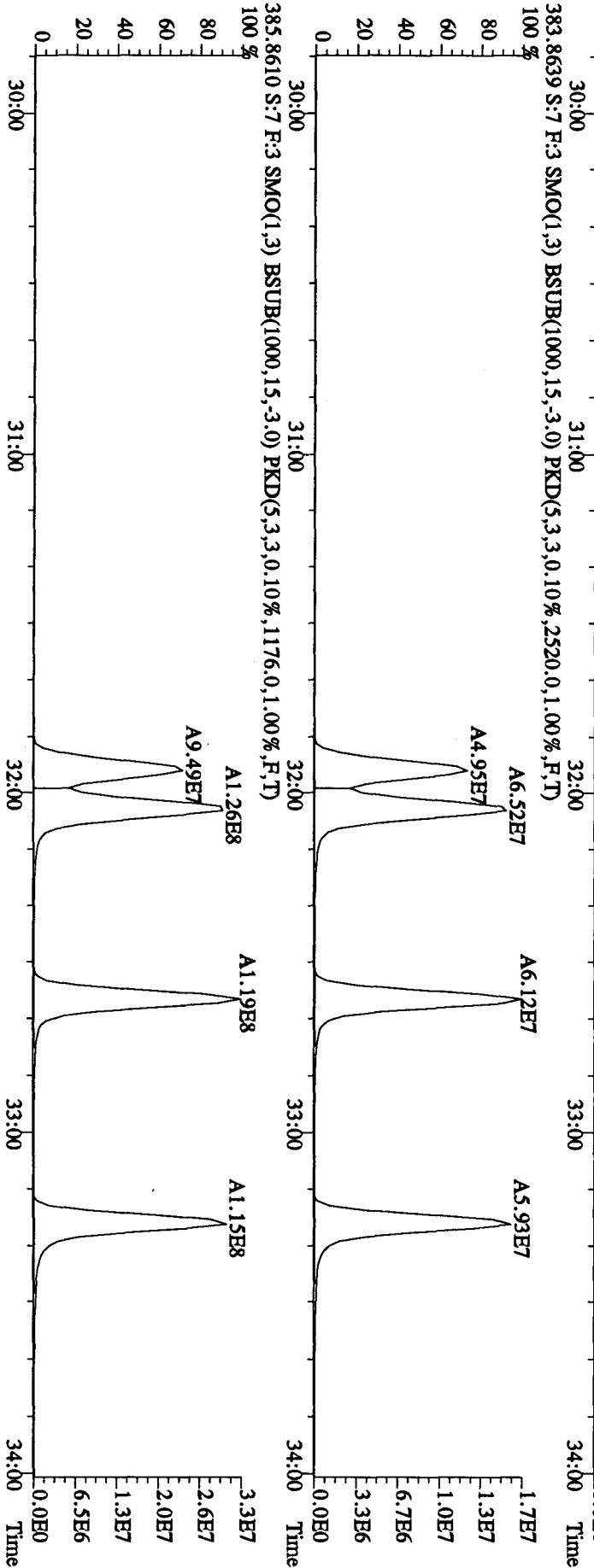
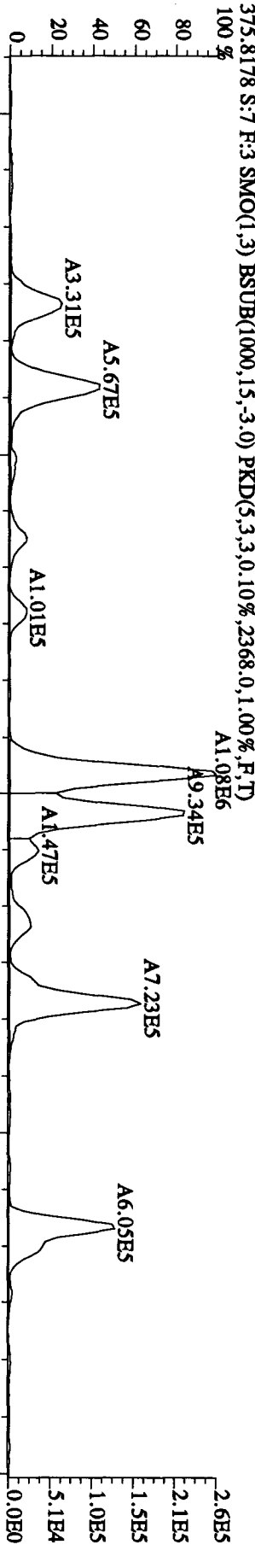
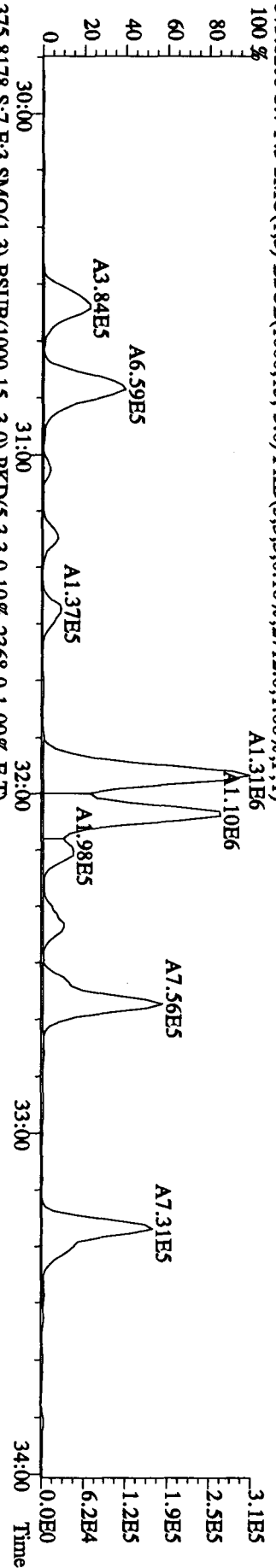
File: 27AD104D5 #1-434 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXXXG-1-AD :GOD140422-1 Exp: DIOXINRES8290A
 339.8597 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,928.0,1.00%,F,T)



File: 27AP104D5 #1-604 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text: LXXKG-1-AD :G0D140422-1 Exp: DIOXINRES8290A
 355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1384,0,1,00%,F,T)
 100%

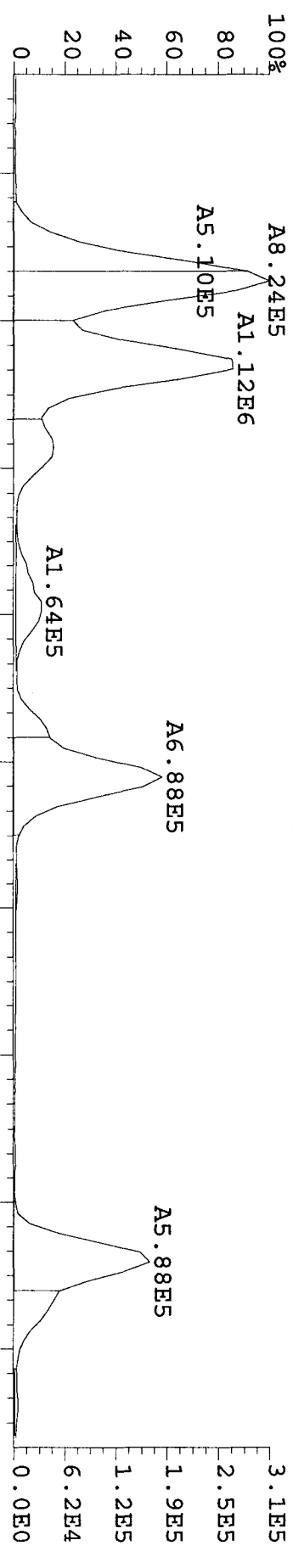


File: 27ADP104D5 #1-317 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text: LXXXG-1-AD :GOD140422-1 Exp: DIOXINRES8290A
 373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2712.0,1.00%,F,T)
 100%

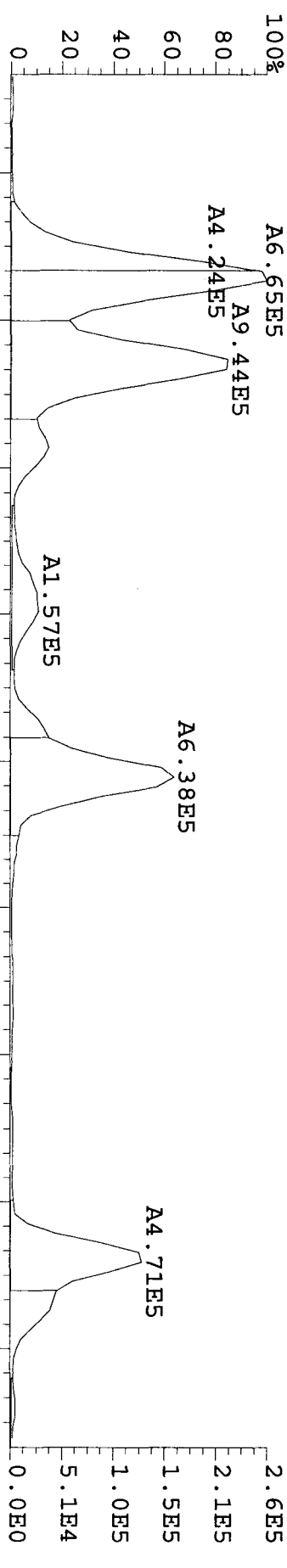


Sample#7 Text: LXXKG-1-AD :GOD140422-1 Exp: DIOXINRES8290A

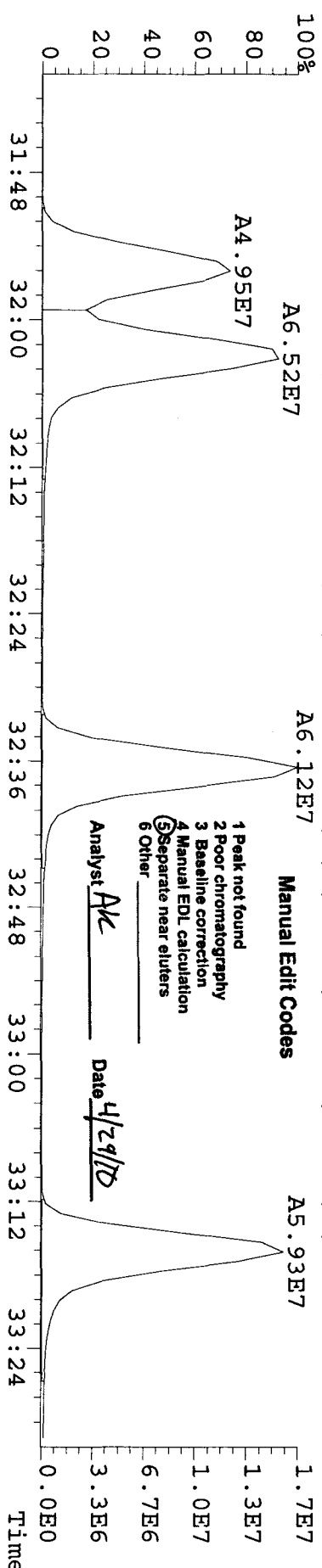
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2712.0,1.00%,F,T)



375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2368.0,1.00%,F,T)



383.8639 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2520.0,1.00%,F,T)



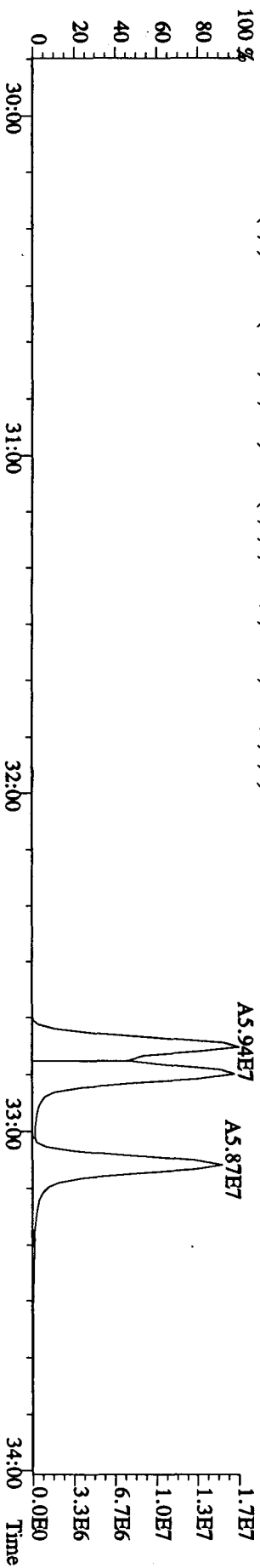
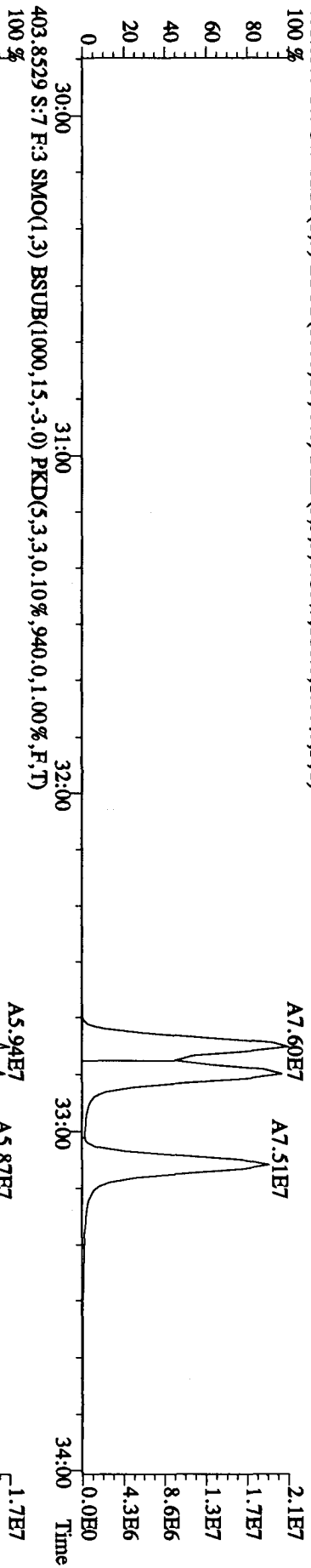
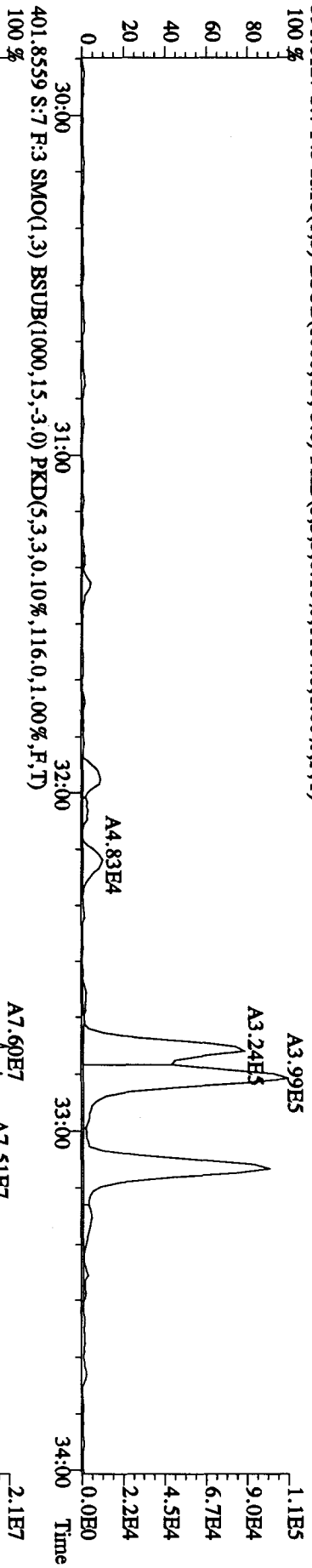
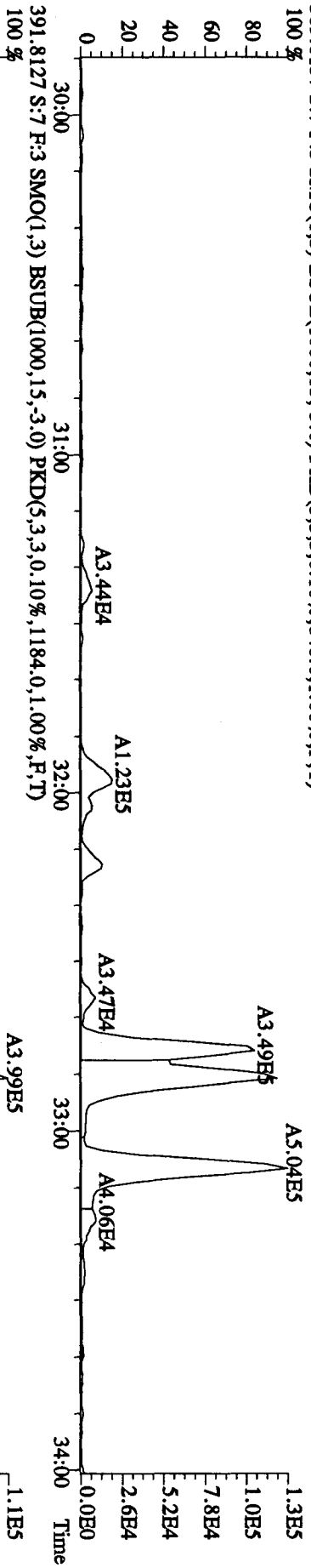
1 Peak not found
 2 Poor chromatography
 3 Baseline correction
 4 Manual EDL calculation
 5 Separate near eluters
 6 Other

Manual Edit Codes

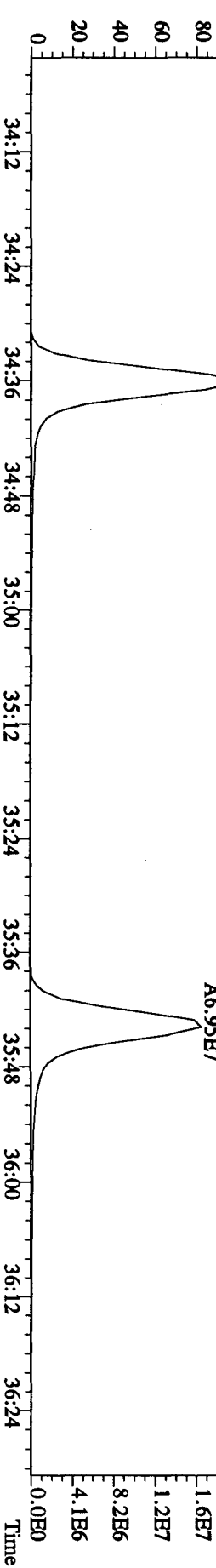
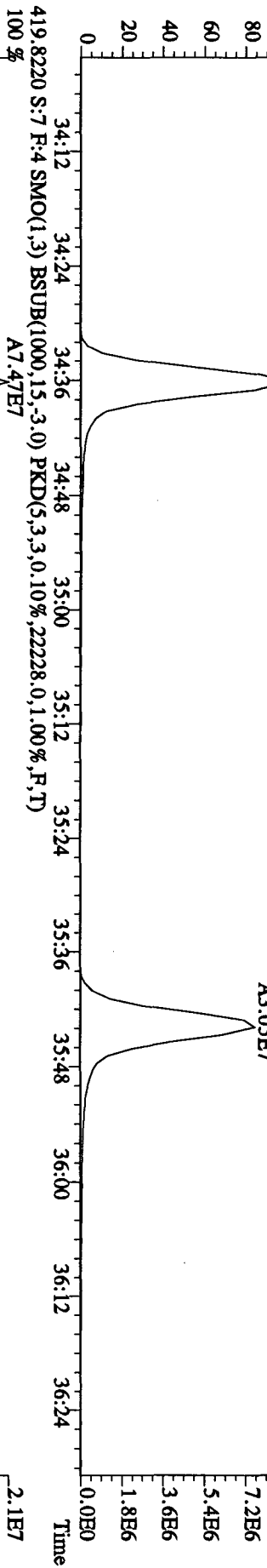
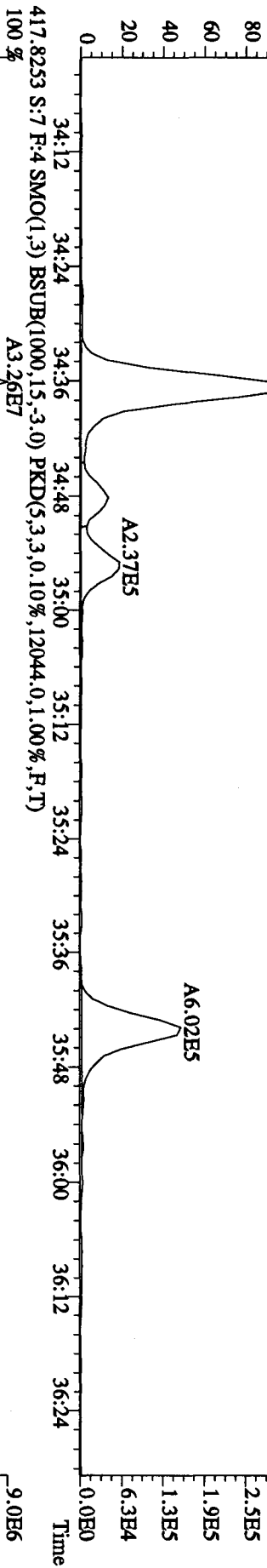
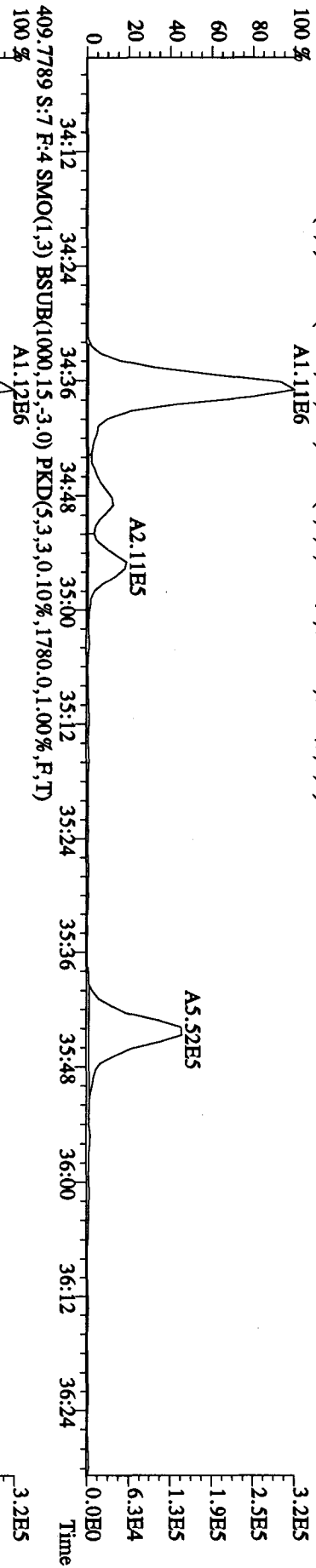
Analyst AK

Date 4/29/10

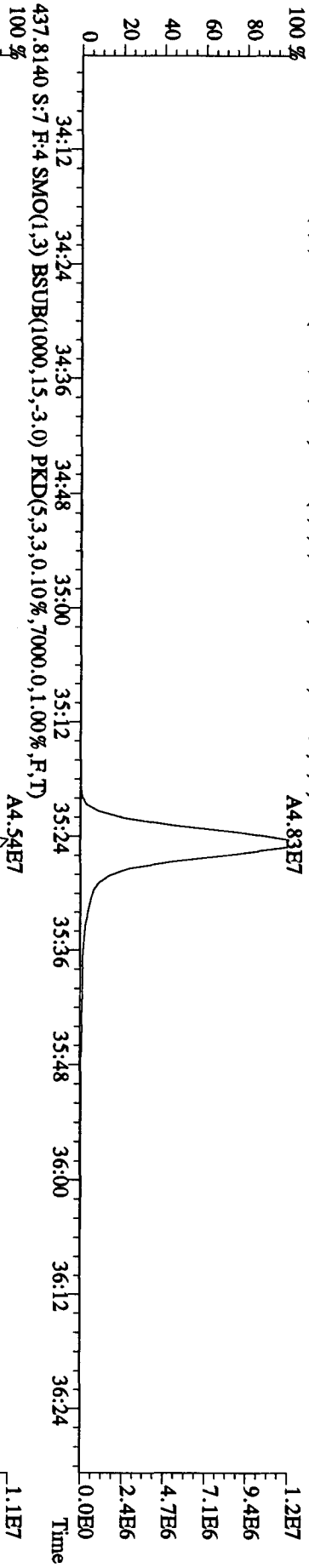
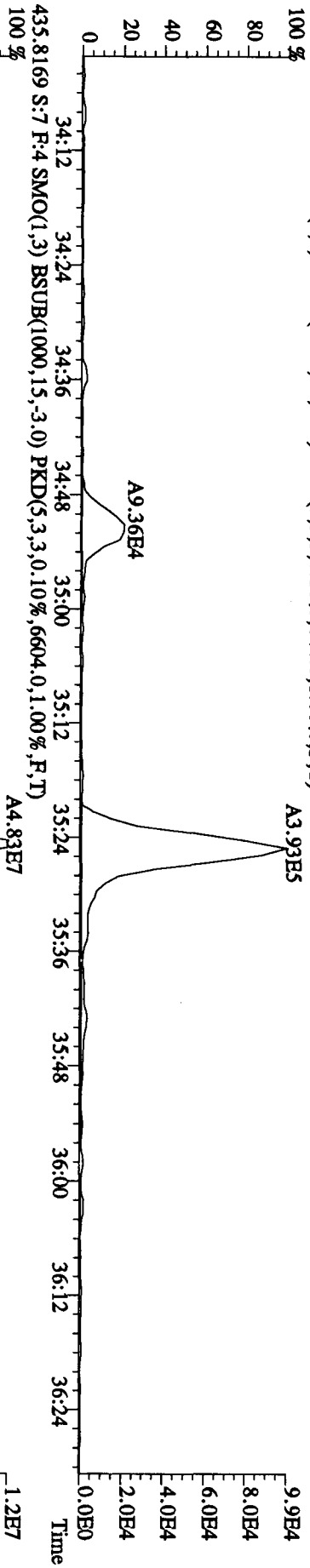
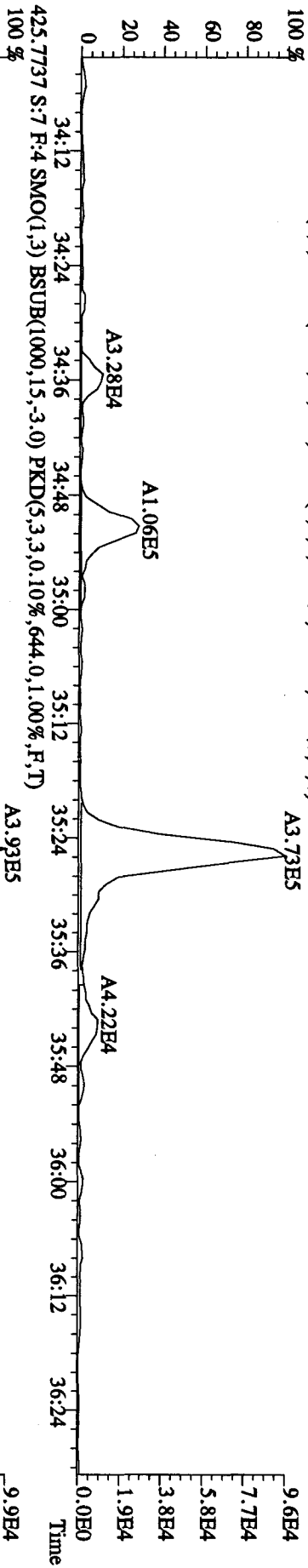
File:27AD104D5 #1-317 Acq:27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXXXG-1-AD :GOD140422-1 Exp:DIOXINRES8290A
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



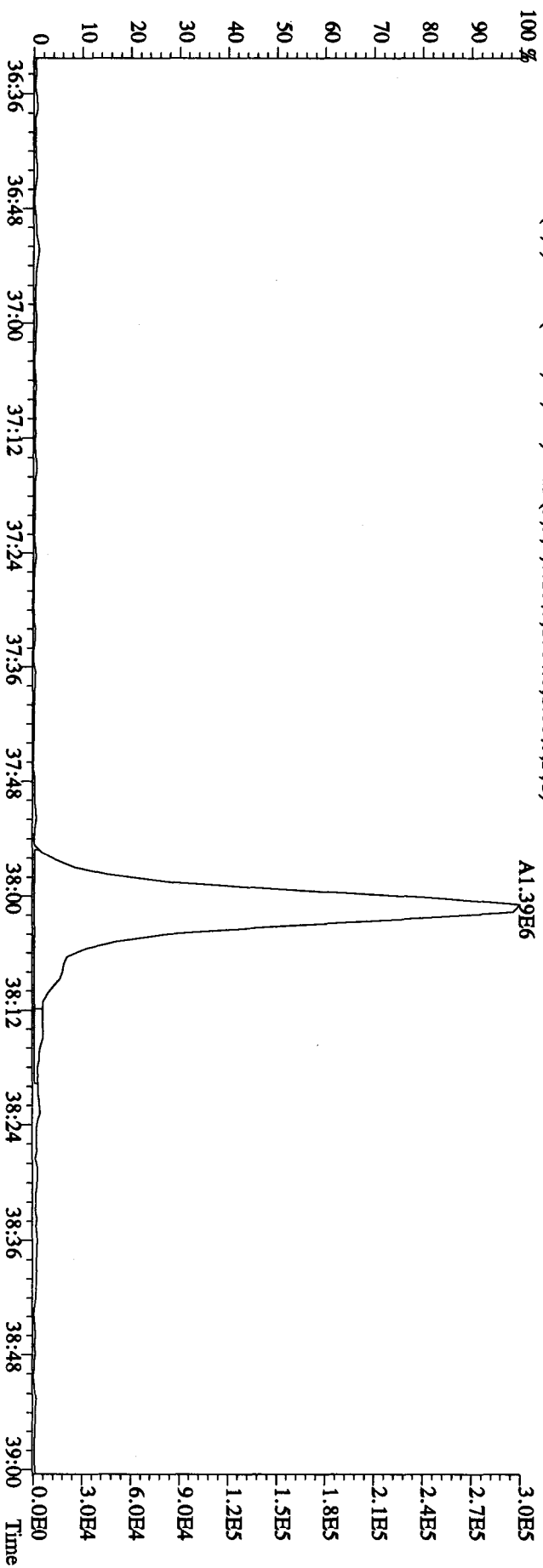
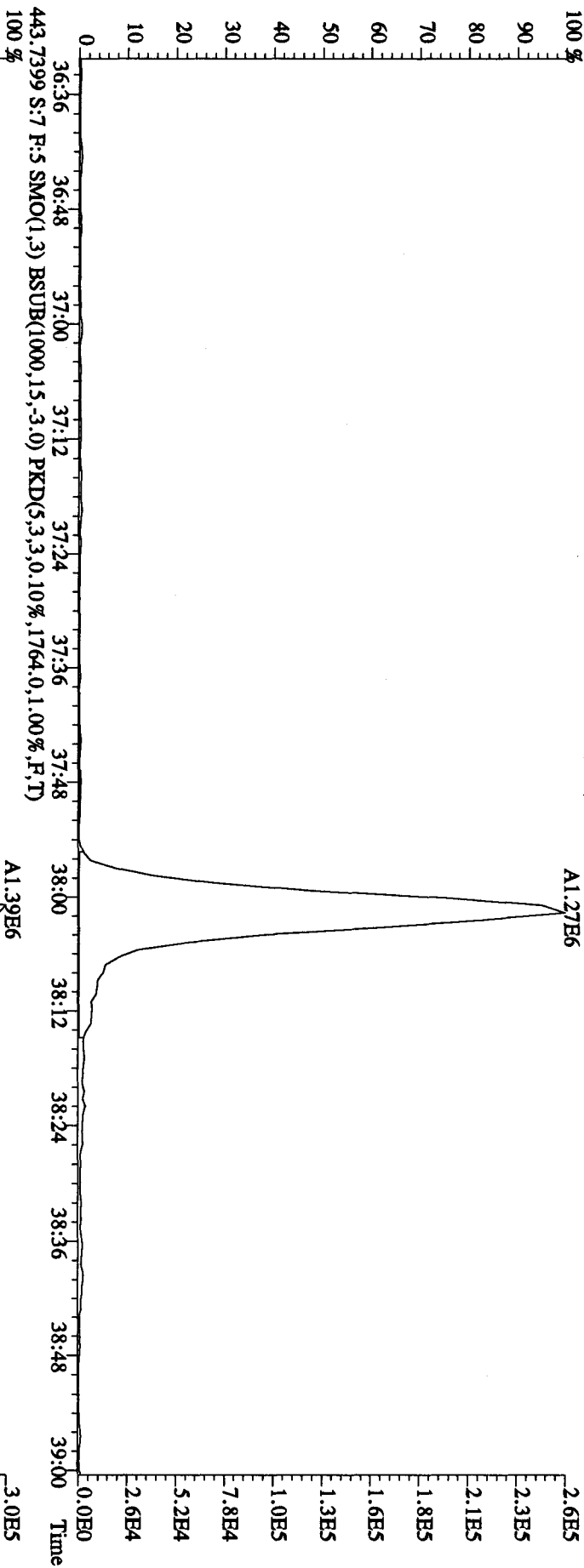
File: 27AP104D5 #1-198 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: LXXKG-1-AD :GOD140422-1 Exp: DIOXINRES8290A
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2840.0,1.00%,F,T)
 100%



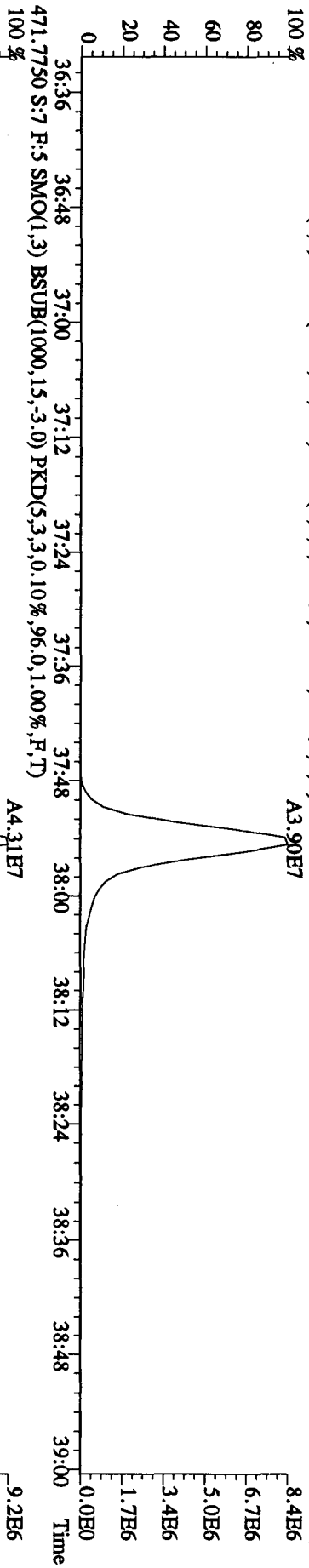
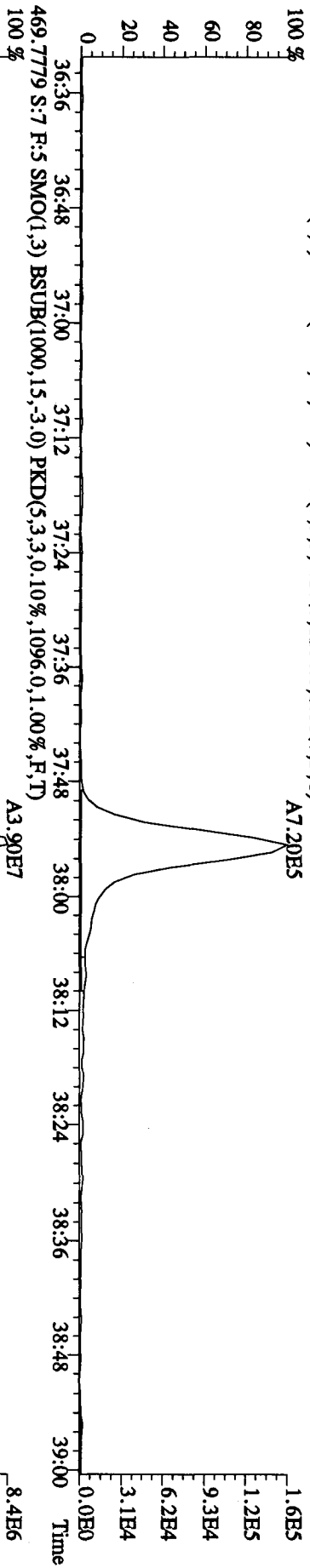
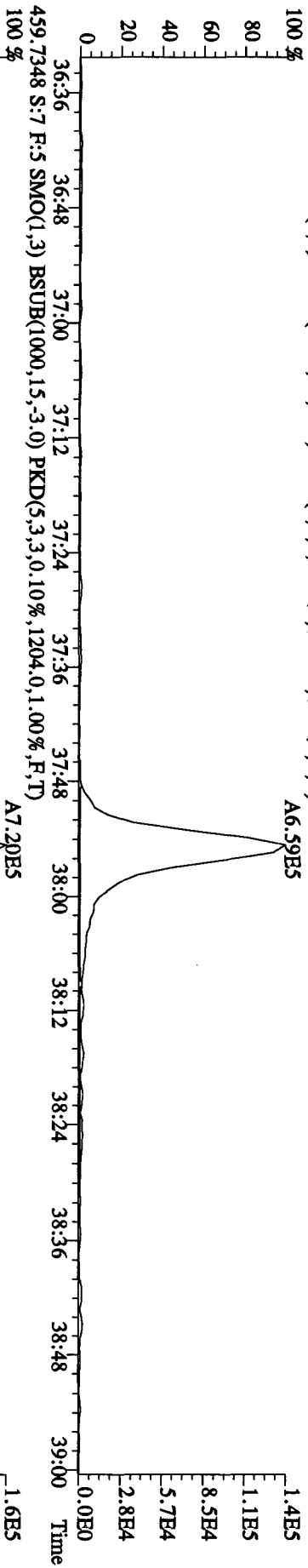
File:27AP104D5 #1-198 Acq:27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXXXG-1-AD :GOD140422-1 Exp:DIOXINRES8290A
 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1172.0,1.00%,F,T) 100%

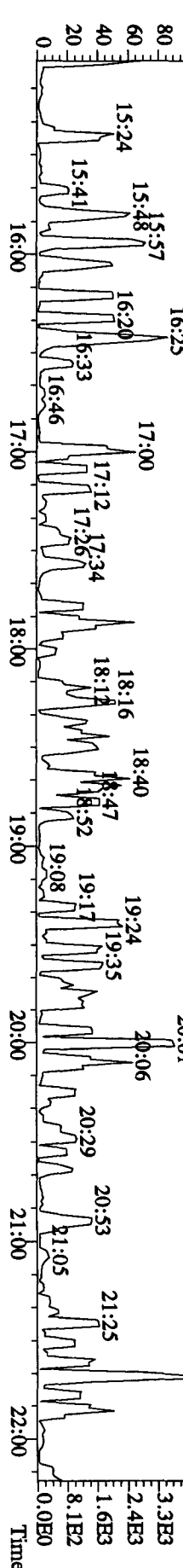
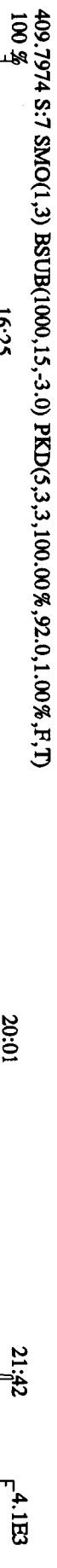
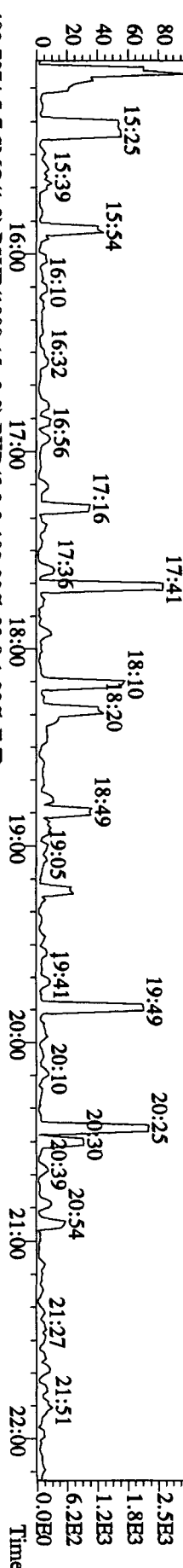
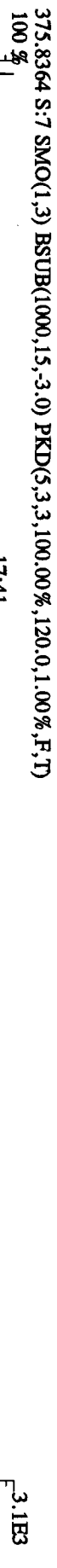
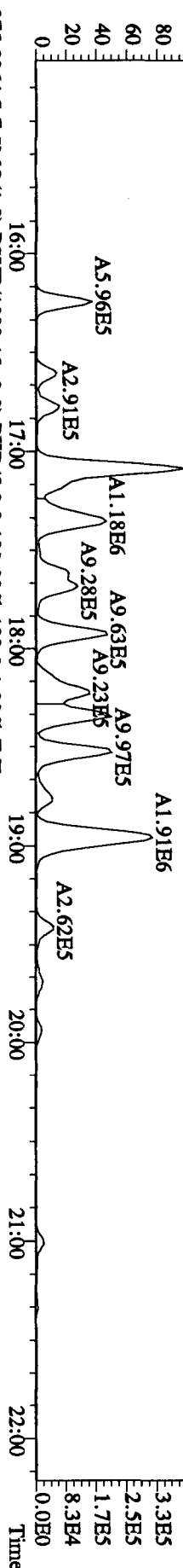
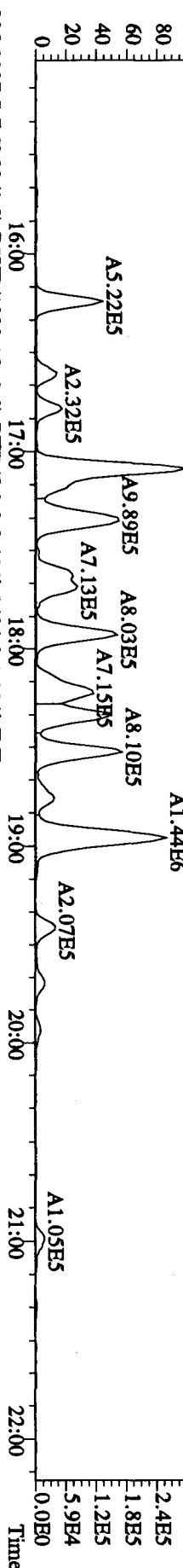
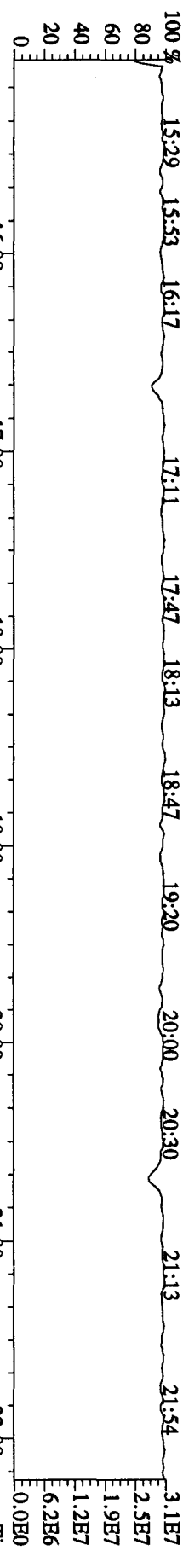


File: 27AP104D5 #1-190 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
Sample#7 Text: LXXKG-1-AD : GODD140422-1 Exp: DIOXINRES8290A
441.7428 S: 7 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1076.0,1.00%,F,T)

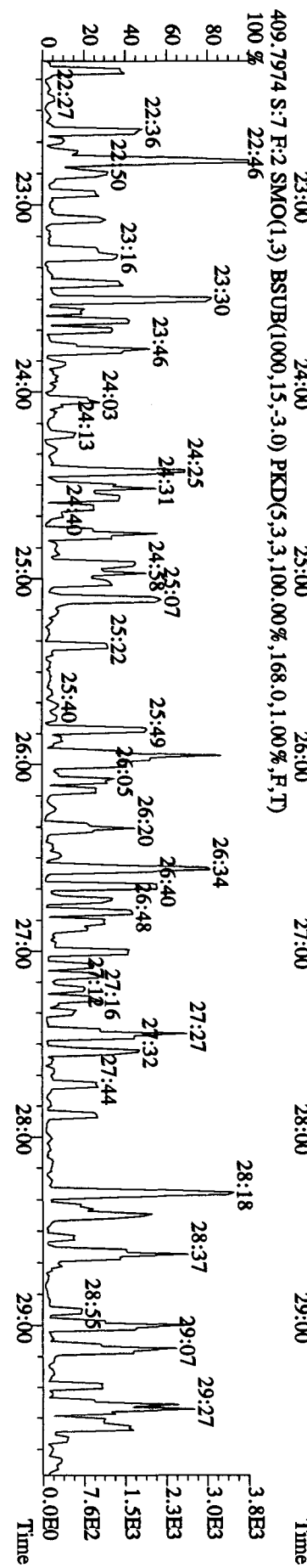
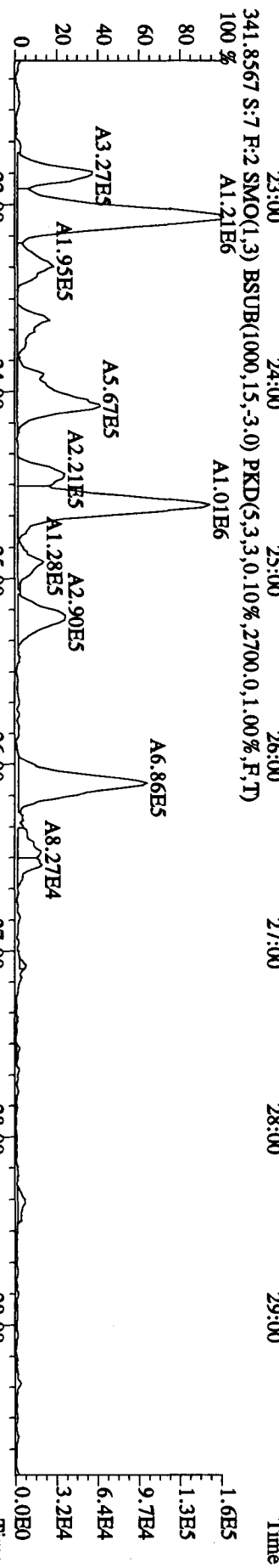
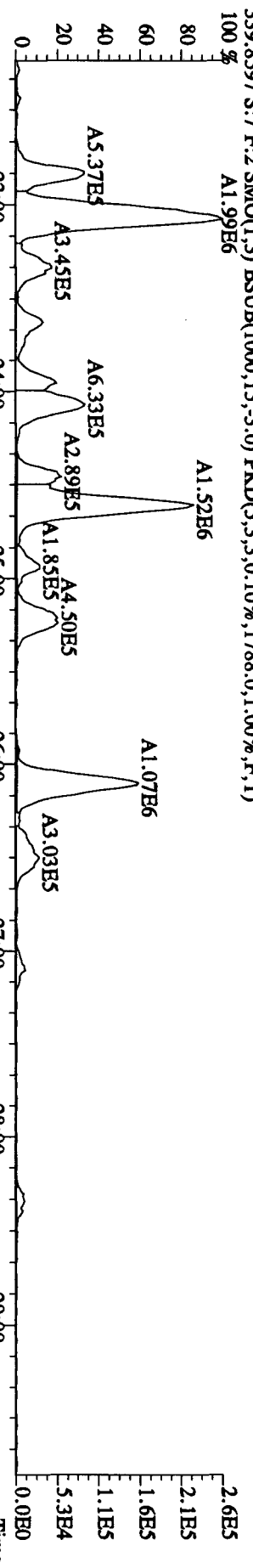
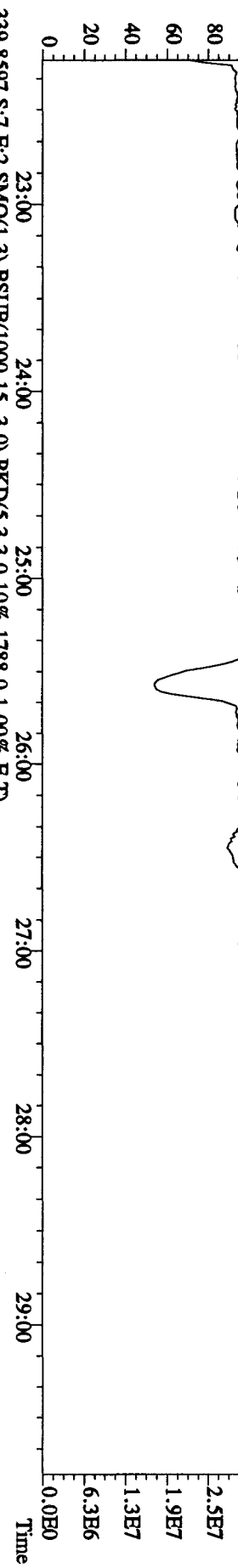


File:27AP104D5 #1-190 Acq:27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXXXG-1-AD :GOD140422-1 Exp:DIOXINRES8290A
 457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364.0,1.00%,F,T) 100%



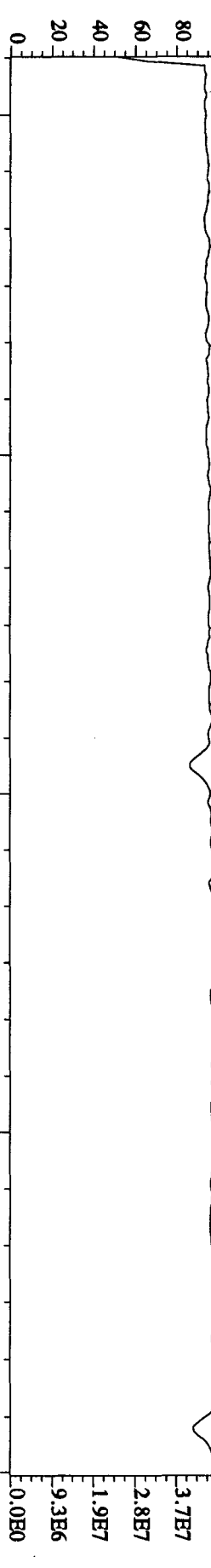


File: 27AP104D5 #1-604 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: LXXKG-1-AD :GOD140422-1 Exp: DIOXINRES8290A
 354.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 22:38 23:32 24:06 24:42 25:10 25:58 26:36 27:12 27:41 28:19 28:53 29:24
 100% 22:38 23:32 24:06 24:42 25:10 25:58 26:36 27:12 27:41 28:19 28:53 29:24

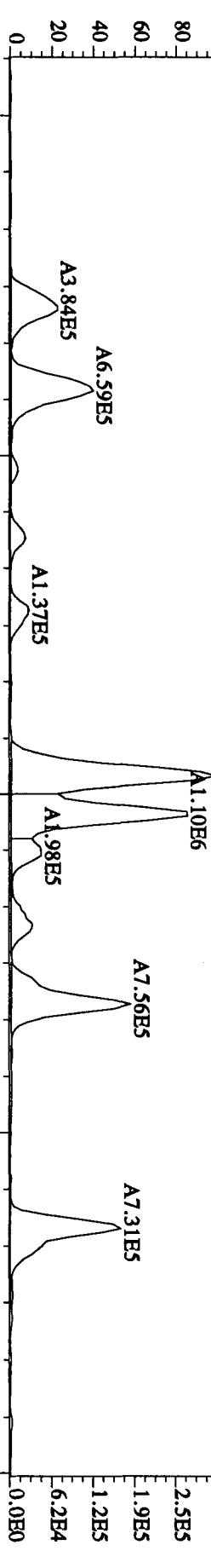


File: 27AD104D5 #1-317 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXXXG-1-AD :G0D140422-1 Exp: DIOXINRES8290A

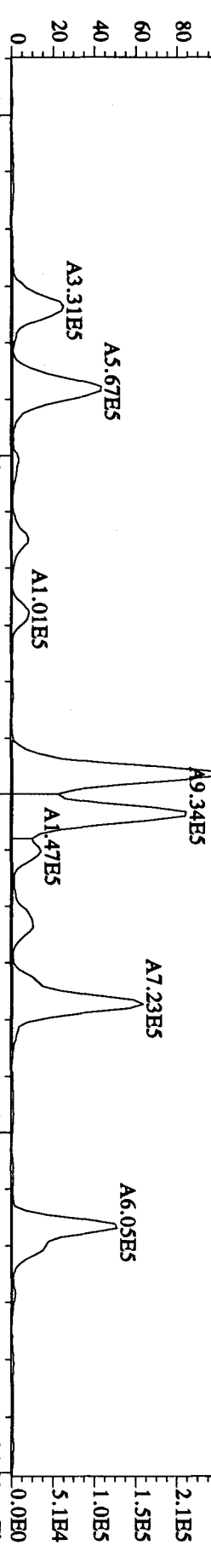
430.9728 S: 7 F: 3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



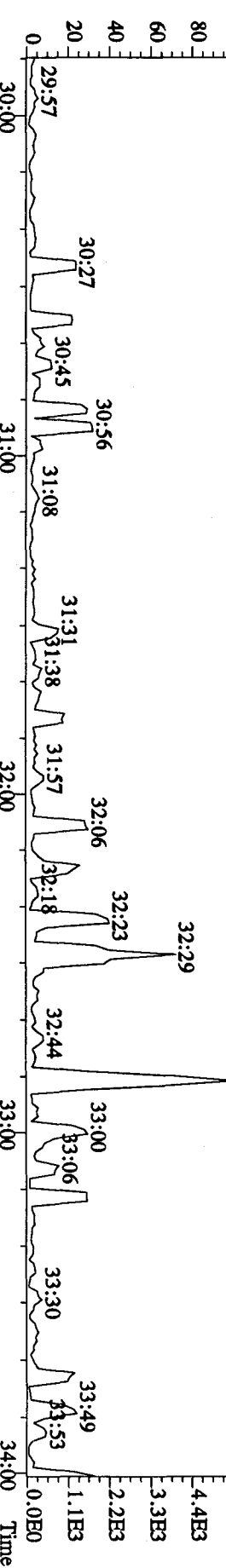
373.8208 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2712.0,1.00%,F,T)
 100 %



375.8178 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2368.0,1.00%,F,T)
 100 %

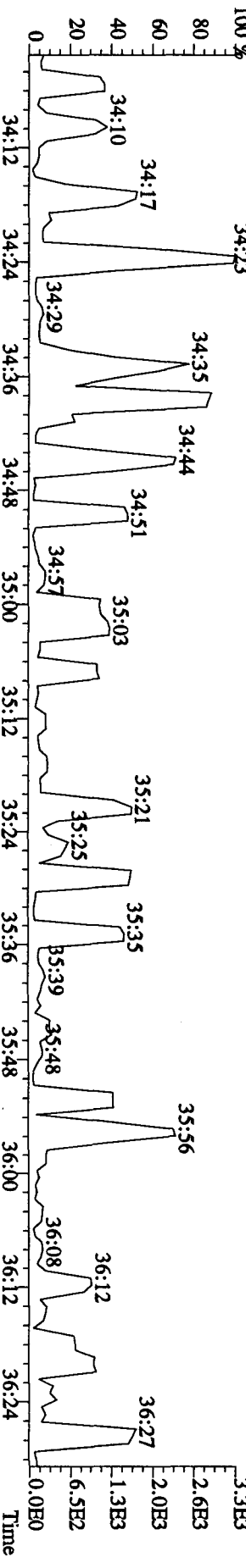
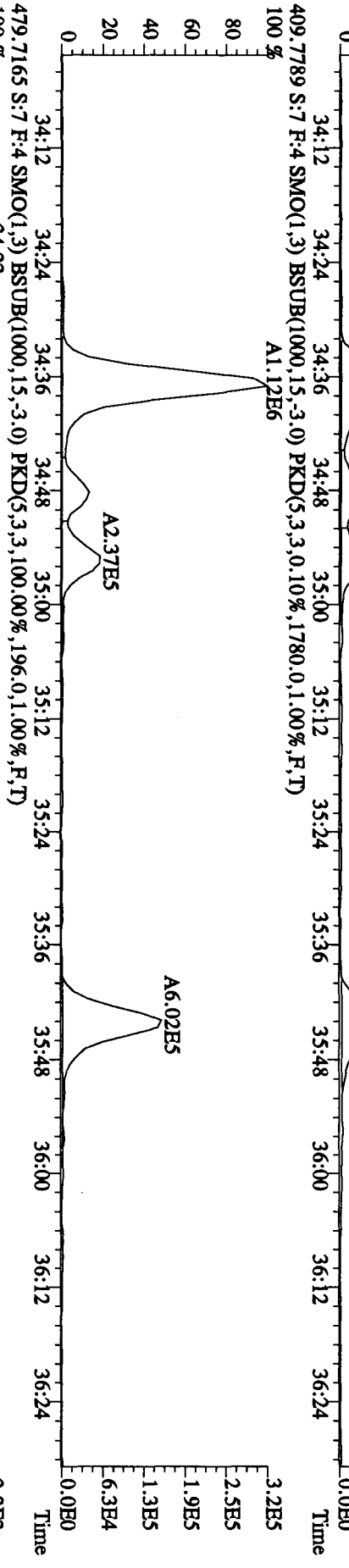
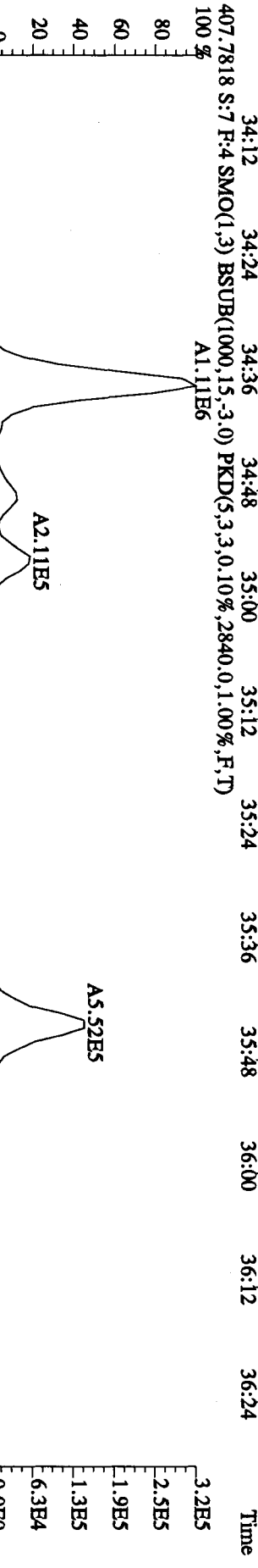
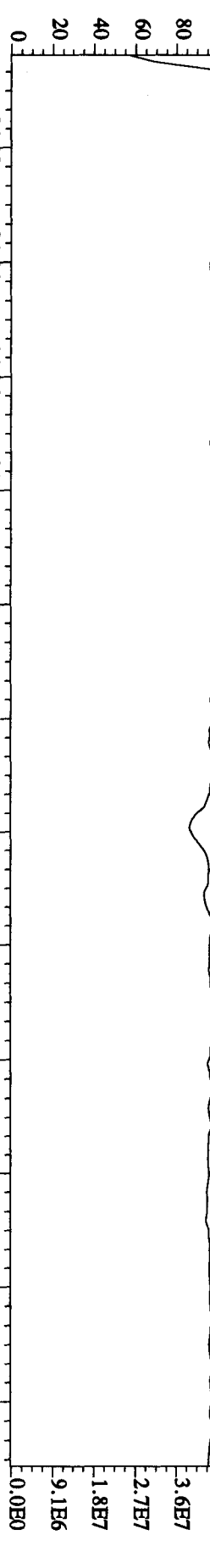


445.7555 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,228.0,1.00%,F,T)
 100 %



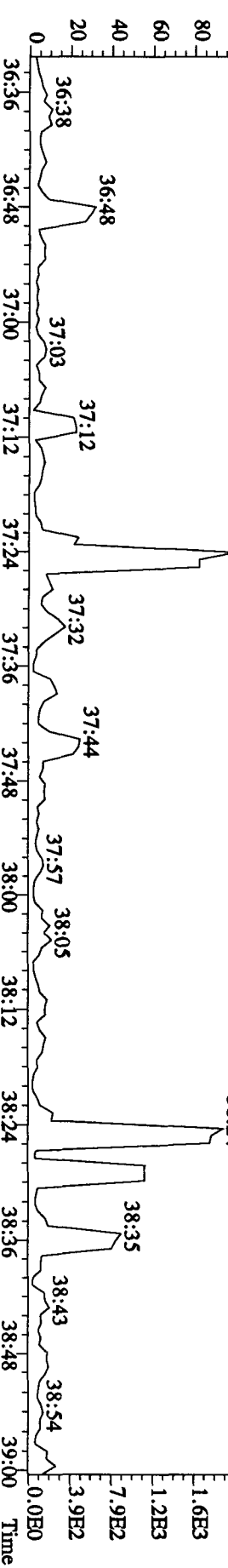
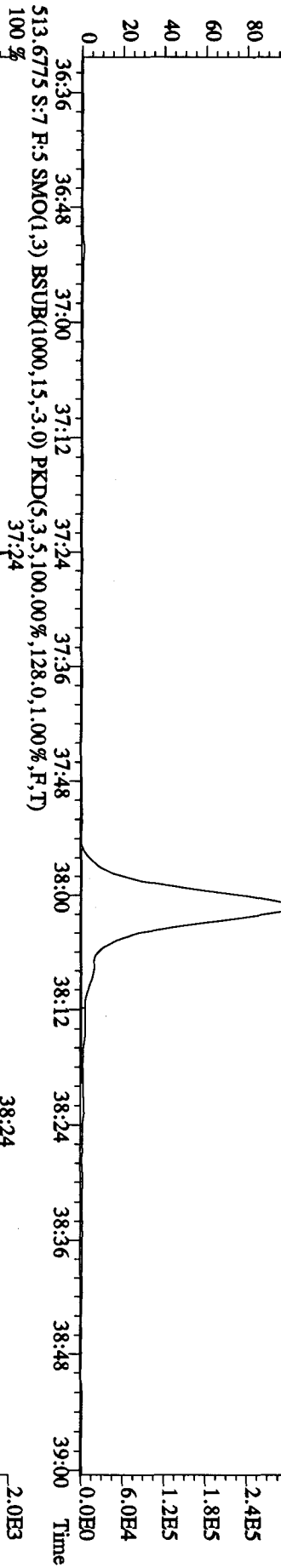
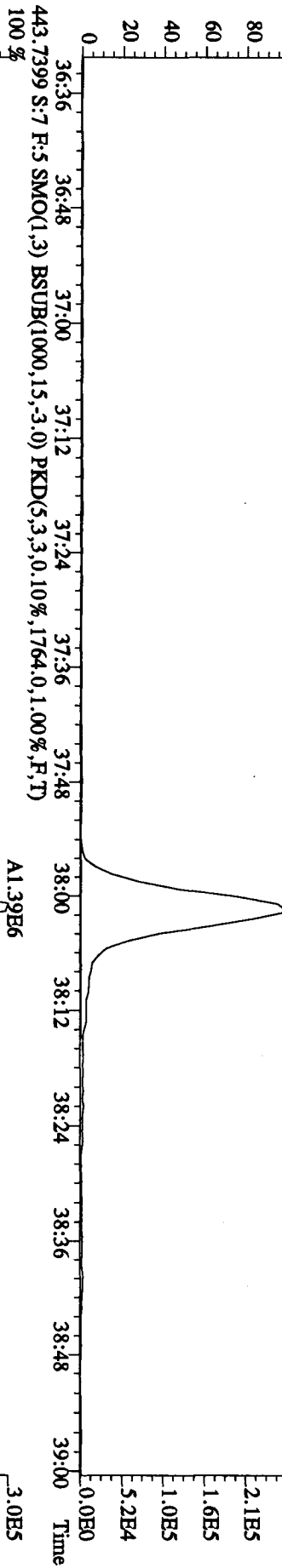
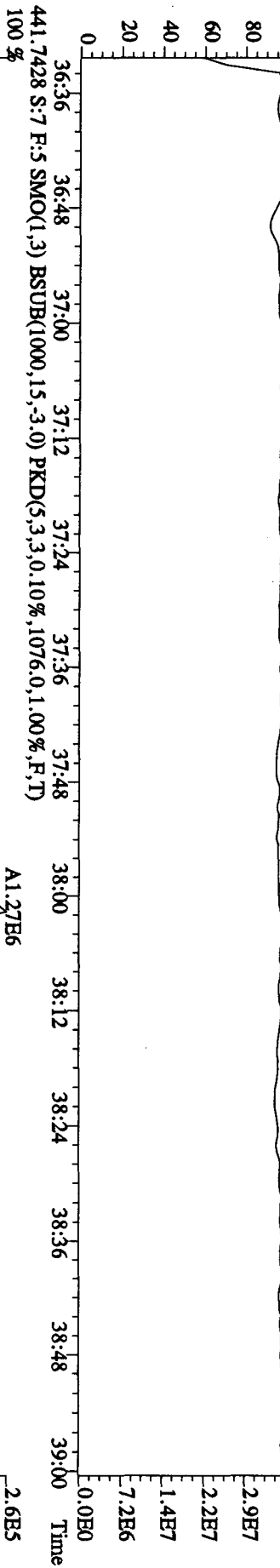
File: 27AP104D5 #1-198 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXXXG-1-AD : GOD140422-1 Exp: DIOXINRES8290A

430.9728 S: 7 F: 4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 34:07 34:16 34:32 34:51 35:06



File: 27AP104D5 #1-190 Acq: 27-APR-2010 16:17:30 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXXXG-1-AD : GOD140422-1 Exp: DIOXINRES8290A

442.9728 S: 7 F: 5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

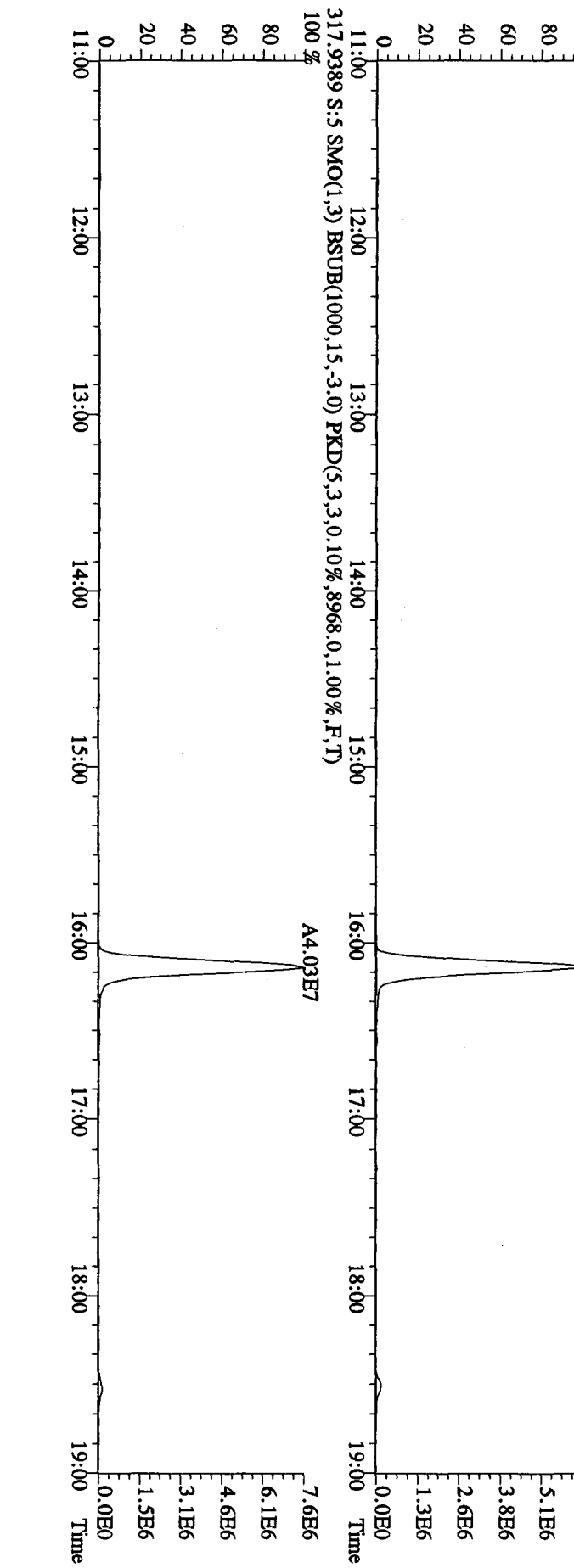
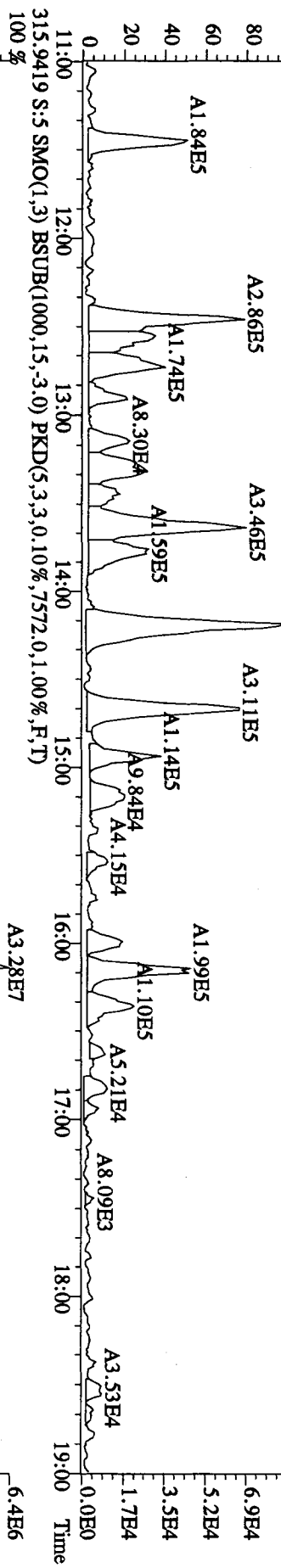
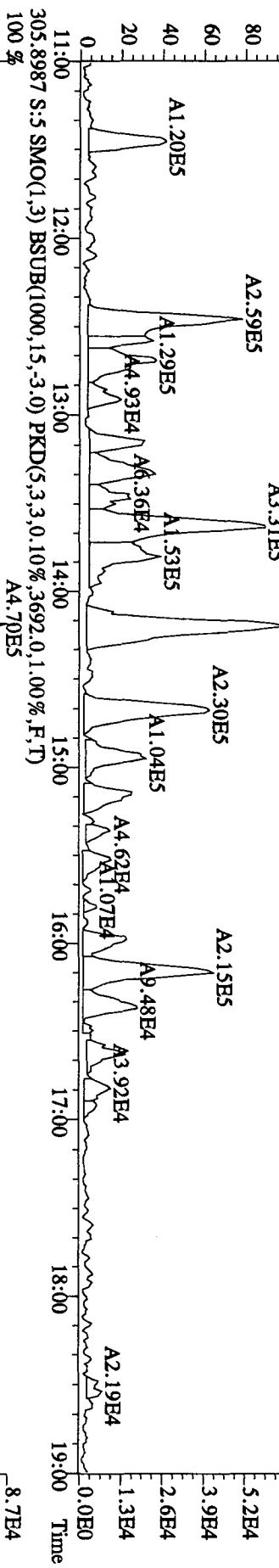


Run text: LXXKG-1-AD Sample text: LXXKG-1-AD :G0D140422-1
 Run #10 Filename: 28AP105D2 S: 5 I: 1 Results:
 Acquired: 28-APR-10 12:01:28 Processed: 28-APR-10 16:11:38
 Run: 21AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.32007g

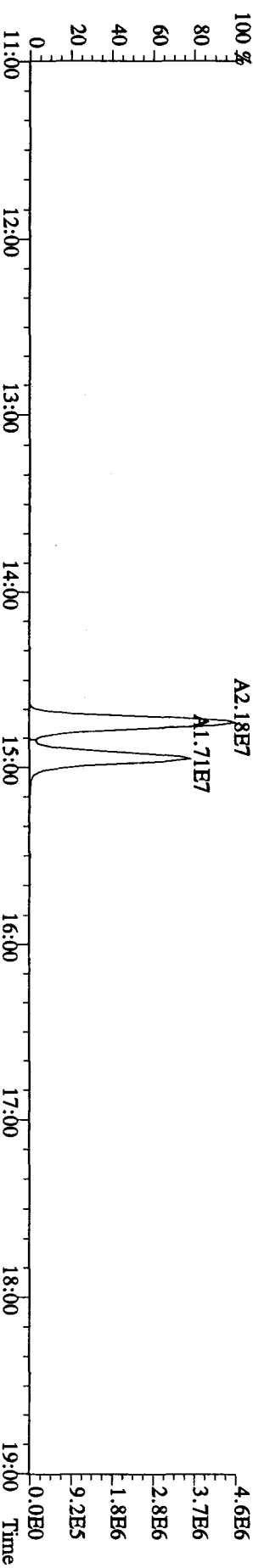
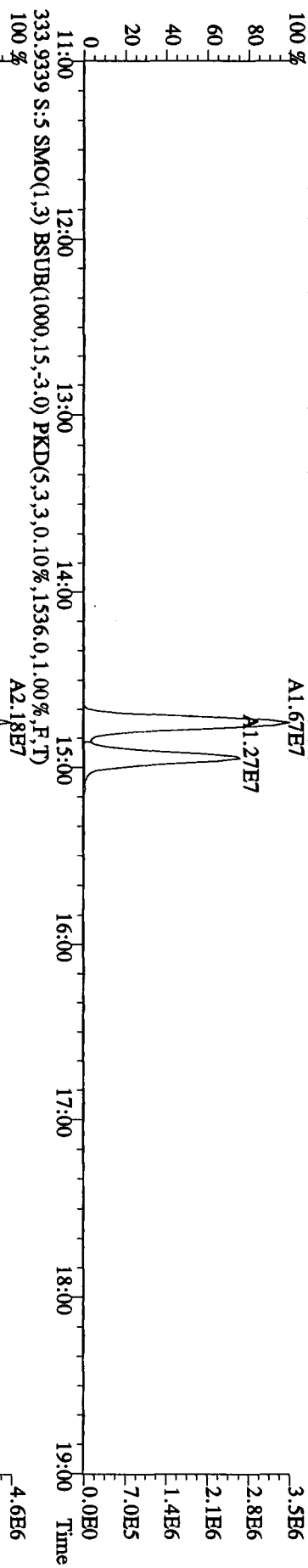
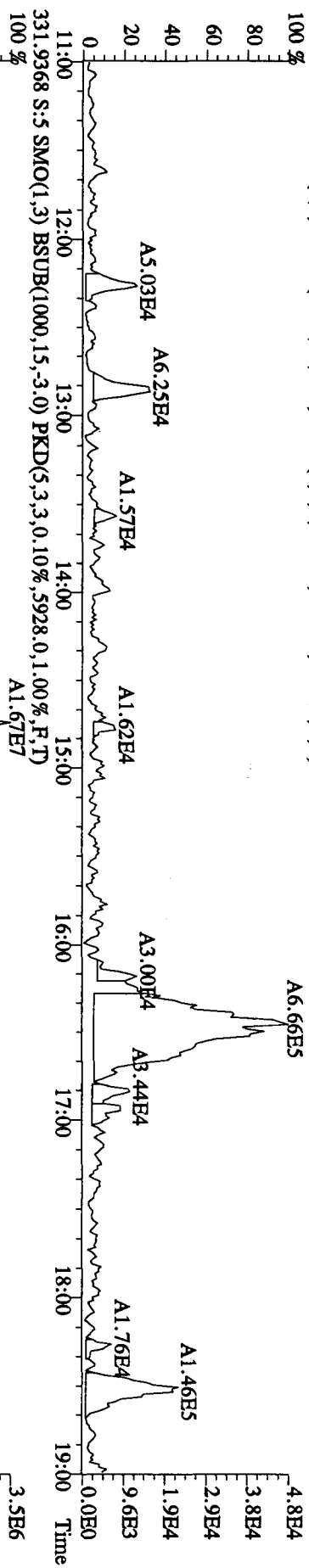
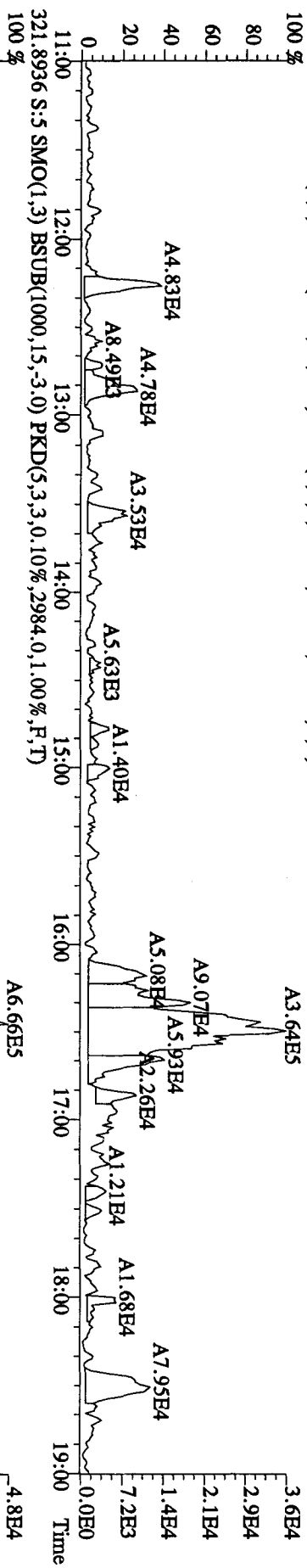
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	29743035	0.74 y	14:57	-	2.90	-	-	n
13C-2,3,7,8-TCDF	73073852	0.82 y	16:09	2.11	113.03	0.36	58.3	n
2,3,7,8-TCDF	352276	1.08 n	16:10	1.09	0.86 Q	0.25	-	n
13C-2,3,7,8-TCDD	38481968	0.77 y	14:45	0.95	132.18	0.37	68.2	n
2,3,7,8-TCDD	22220	0.59 n	14:47	1.36	0.08	0.27	-	n
37Cl-2,3,7,8-TCDD	38325652	1.00 y	14:46	2.28	54.81	0.05	70.7	n

AK
4/29/10

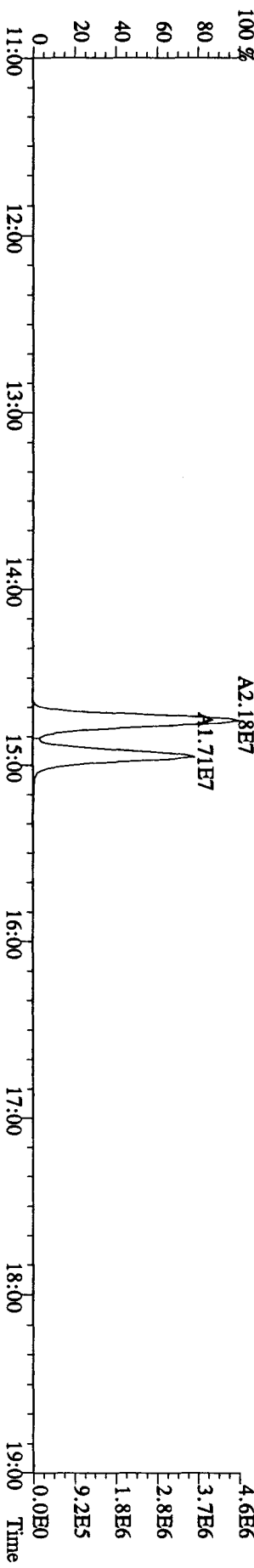
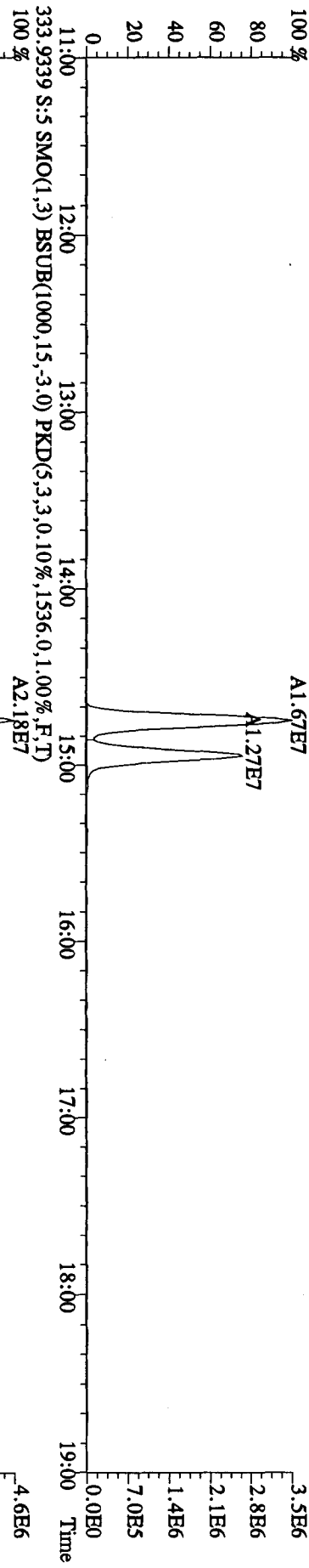
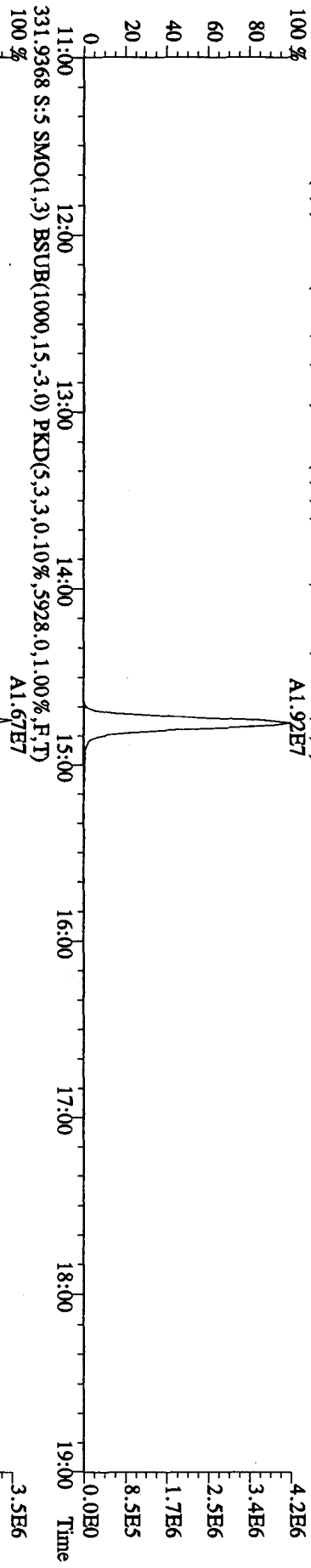
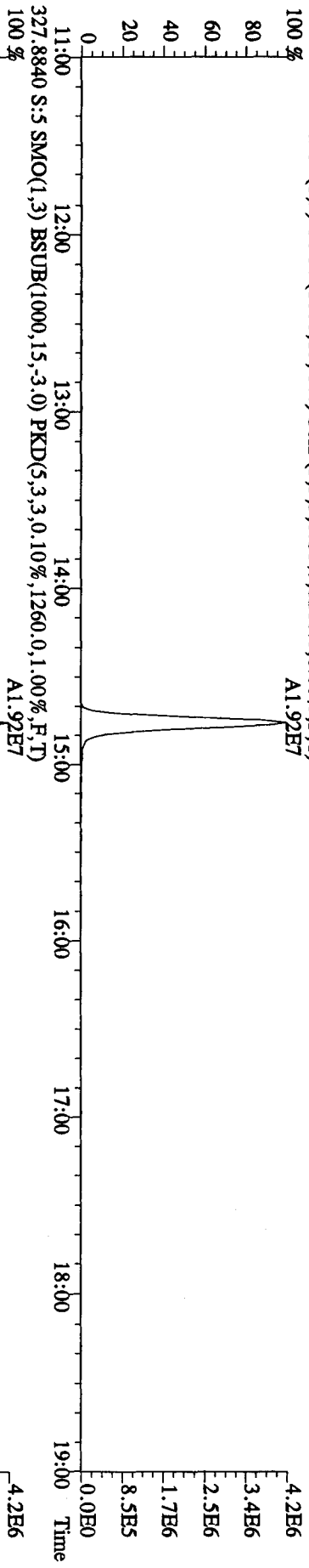
File:28AP105D2 #1-1241 Acq:28-APR-2010 12:01:28 GC EI+ Voltage SIR 70SE
 Sample#5 Text:LXXKG-1-AD :GOD140422-1 Exp:DB225RES
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2856,0.1,0.0%,F,T)
 100%



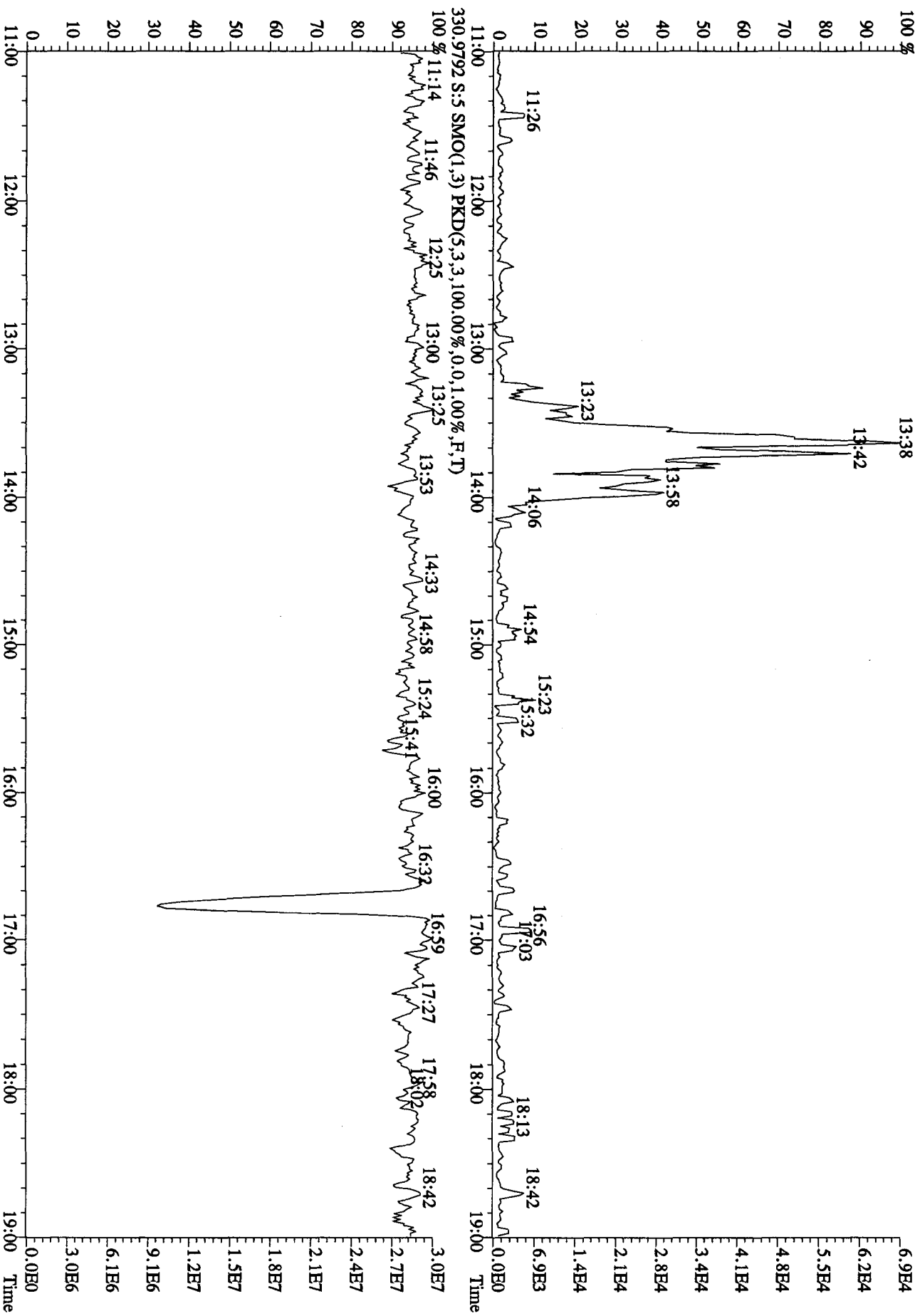
File:28AP105D2 #1-1241 Acq:28-APR-2010 12:01:28 GC EI+ Voltage SIR 70SE
 Sample#5 Text:LXXKG-1-AD :GOD140422-1 Exp:DB225RES
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2068,0,1,00%,F,T)
 100 %



File:28AP105D2 #1-1241 Acq:28-APR-2010 12:01:28 GC EI+ Voltage SIR 70SE
Sample#5 Text:LXXKG-1-AD :GOD140422-1 Exp:DB225RES
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1260.0,1.00%,F,T)
100% A1.92E7



File:28AP105D2 #1-1241 Acq:28-APR-2010 12:01:28 GC EI+ Voltage SIR 70SE
 Sample#5 Text:LXXKG-1-AD :GOD140422-1 Exp:DB225RES
 375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1400,0,1.00%,F,T)
 100% 13:38



Run text: LXXKQ-1-AD Sample text: LXXKQ-1-AD :G0D140422-3
 Run #11 Filename: 27AP104D5 S: 8 I: 1 Results: 27ap104d58290a
 Acquired: 27-APR-10 17:01:32 Processed: 28-APR-10 10:30:22
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.22 g

AK 4/29/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	158744700	0.80 y	19:30	-	11.68	-	-	n
13C-2,3,7,8-TCDF	293230000	0.78 y	18:56	1.52	118.85	0.06	60.7	n
2,3,7,8-TCDF	1181995	0.83 y	18:58	0.95	0.83 <i>see 08225</i>	0.03	-	n
Total TCDF	6436635	0.65 n	16:15	0.95	4.54	0.03	-	n
13C-2,3,7,8-TCDD	210346400	0.79 y	19:42	0.95	136.52	0.10	69.8	n
2,3,7,8-TCDD	94773	0.42 n	19:43	1.02	0.090.086 <i>SQ</i>	0.04	-	n
Total TCDD	589951	0.84 y	17:14	1.02	0.54	0.04	-	n
37Cl-2,3,7,8-TCDD	233832000	1.00 y	19:44	2.26	63.74	0.02	81.4	n
13C-1,2,3,7,8-PeCDF	200745500	1.58 y	24:36	1.05	117.81	0.07	60.2	n
1,2,3,7,8-PeCDF	729986	1.80 n	24:37	1.04	0.68 <i>SQ</i>	0.05	-	n
2,3,4,7,8-PeCDF	510524	1.51 y	26:07	0.98	0.51 <i>S</i>	0.06	-	n
Total F2 PeCDF	3833374	1.97 n	22:51	1.01	3.68	0.05	-	n
Total F1 PeCDF	356338	0.36 n	16:40	1.01	0.34	0.04	-	n
13C-1,2,3,7,8-PeCDD	143220000	1.60 y	26:54	0.67	131.67	0.04	67.3	n
1,2,3,7,8-PeCDD	232505	1.55 y	26:57	0.98	0.32 <i>S</i>	0.04	-	y
Total PeCDD	547076	1.96 n	22:59	0.98	0.76	0.04	-	y
13C-1,2,3,7,8,9-HxCDD	114137200	1.29 y	33:06	-	10.87	-	-	n
13C-1,2,3,4,7,8-HxCDF	108419200	0.51 y	31:56	1.02	90.69	0.06	46.3	n
1,2,3,4,7,8-HxCDF	510568	1.33 y	31:57	1.21	0.76 <i>S</i>	0.05	-	y
1,2,3,6,7,8-HxCDF	591379	1.16 y	32:04	1.34	0.79 <i>S</i>	0.04	-	y
2,3,4,6,7,8-HxCDF	333146	1.46 n	32:37	1.22	0.49 <i>SQ</i>	0.05	-	y
1,2,3,7,8,9-HxCDF	288465	1.17 y	33:17	1.09	0.48 <i>S</i>	0.05	-	y
Total HxCDF	2880479	1.18 y	30:34	1.22	4.24	0.05	-	y
13C-1,2,3,6,7,8-HxCDD	105645300	1.29 y	32:50	0.81	112.22	0.02	57.3	n
1,2,3,4,7,8-HxCDD	180500	1.30 y	32:46	1.01	0.33 <i>S</i>	0.05	-	n
1,2,3,6,7,8-HxCDD	260054	1.20 y	32:51	1.11	0.43 <i>S</i>	0.04	-	n
1,2,3,7,8,9-HxCDD	228363	1.35 y	33:07	1.21	0.35 <i>S</i>	0.04	-	n
Total HxCDD	756218	1.00 n	31:23	1.11	1.26	0.04	-	n
13C-1,2,3,4,6,7,8-HpCDF	52389700	0.43 y	34:36	0.86	52.07	0.27	26.6	n
1,2,3,4,6,7,8-HpCDF	615665	1.03 y	34:37	1.31	1.76 <i>S</i>	0.09	-	n
1,2,3,4,7,8,9-HpCDF	311882	0.97 y	35:44	1.03	1.14 <i>S</i>	0.11	-	n
Total HpCDF	1134262	1.03 y	34:37	1.17	3.55	0.10	-	n
13C-1,2,3,4,6,7,8-HpCDD	47040500	1.06 y	35:25	0.70	57.82	0.10	29.5	n
1,2,3,4,6,7,8-HpCDD	216243	1.01 y	35:26	1.07	0.84 <i>S</i>	0.10	-	n
Total HpCDD	285827	2.15 n	34:37	1.07	1.11	0.10	-	n
13C-OCDD	36674000	0.91 y	37:55	0.53	59.17	0.08	15.1	n
OCDF	623960	0.93 y	38:02	1.45	4.61 <i>S</i>	0.31	-	n

OCDD 436695 0.82 y 37:55 1.17

4.00 5

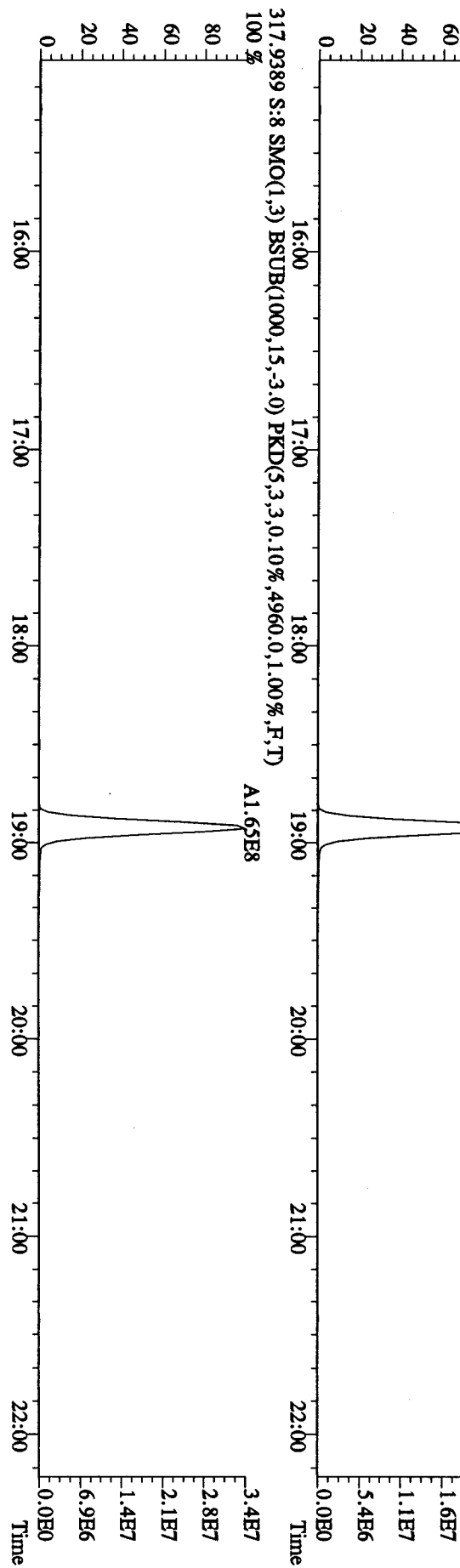
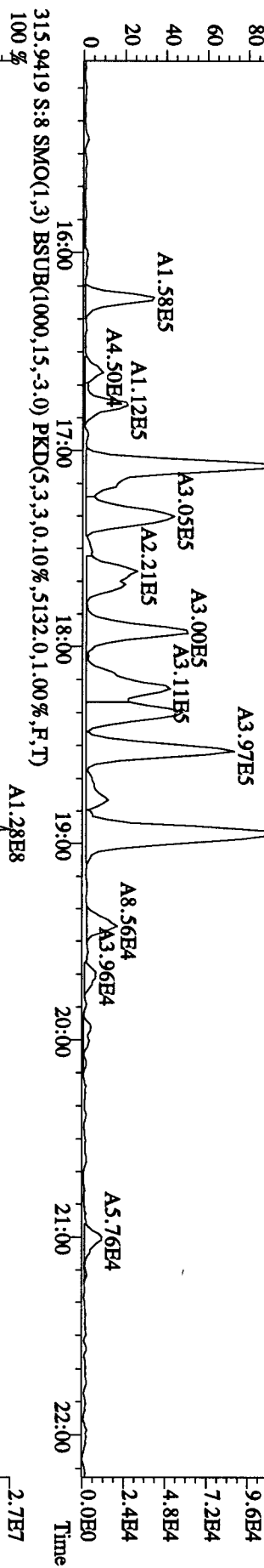
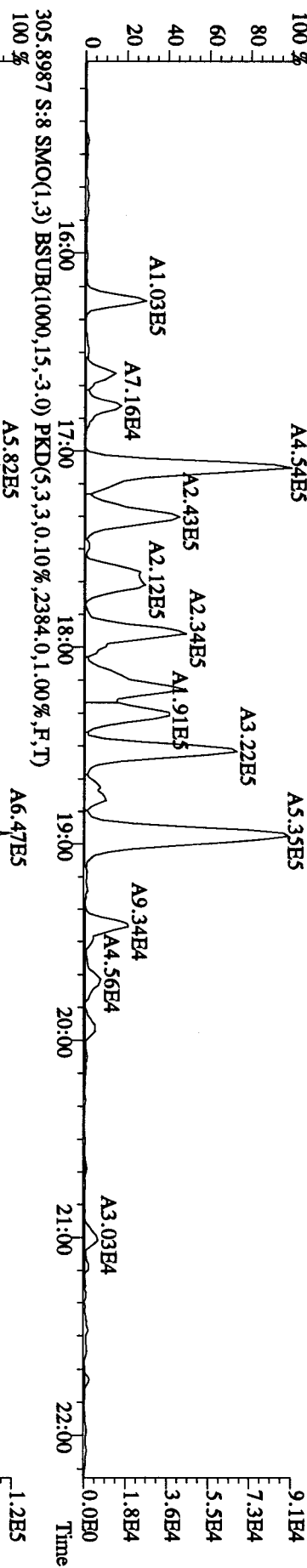
0.23

- n

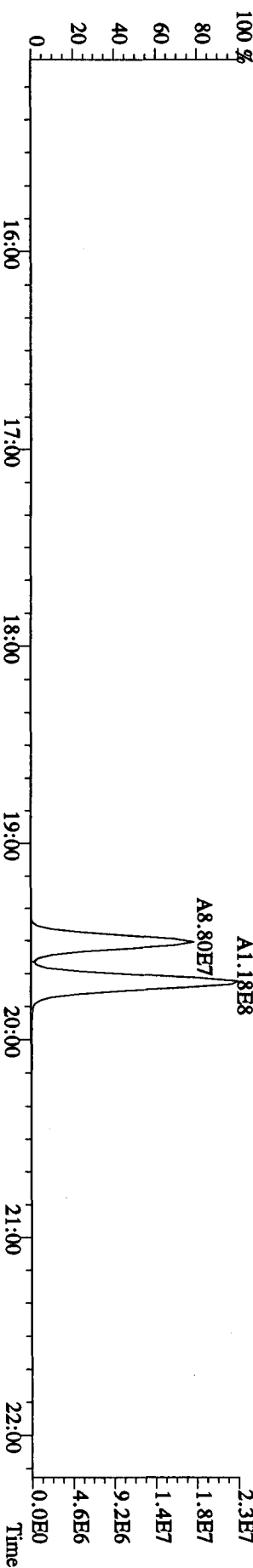
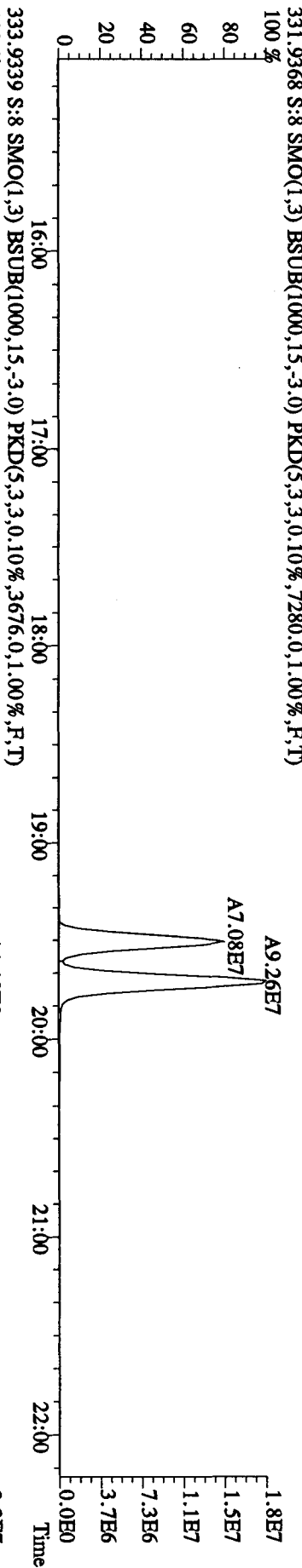
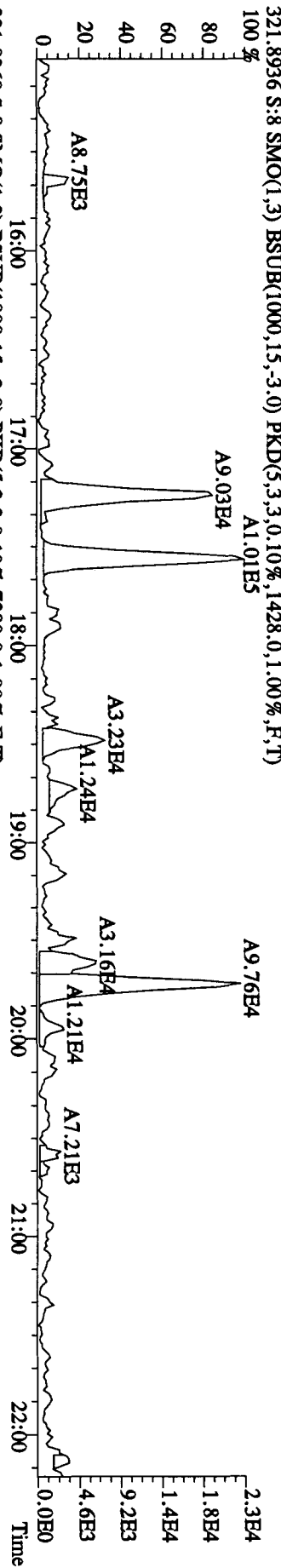
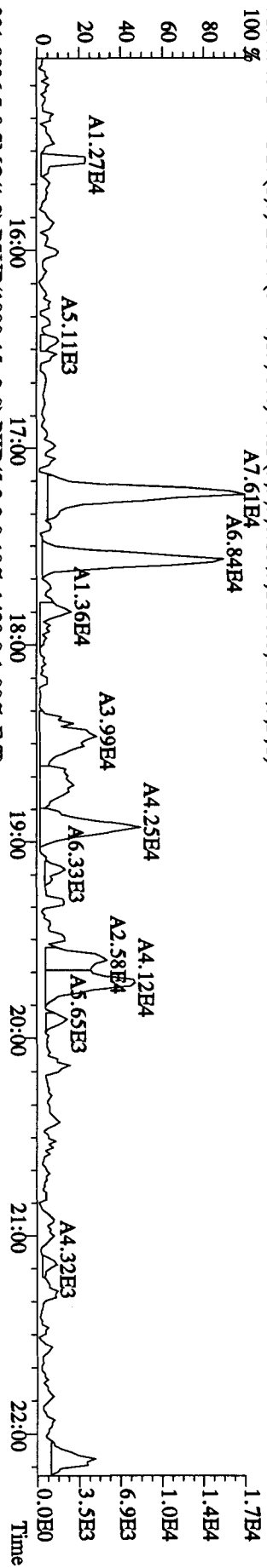
Run text: LXXKQ-1-AD Sample text: LXXKQ-1-AD :G0D140422-3
 Run #11 Filename: 27AP104D5 S: 8 I: 1 Results: 27AP104D58290A
 Acquired: 27-APR-10 17:01:32 Processed: 28-APR-10 10:30:22
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.22 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	158744700	0.80 y	19:30	-	11.6753	-	-	n
13C-2,3,7,8-TCDF	293230000	0.78 y	18:56	1.52	118.8513	0.0594	60.7	n
2,3,7,8-TCDF	1181995	0.83 y	18:58	0.95	0.8345	0.0321	-	n
Total TCDF	6436635	0.65 n	16:15	0.95	4.5441	0.0321	-	n
13C-2,3,7,8-TCDD	210346400	0.79 y	19:42	0.95	136.5225	0.1033	69.8	n
2,3,7,8-TCDD	94773	0.42 n	19:43	1.02	0.0864	0.0359	-	n
Total TCDD	589951	0.84 y	17:14	1.02	0.5376	0.0359	-	n
37Cl-2,3,7,8-TCDD	233832000	1.00 y	19:44	2.26	63.7376	0.0165	81.4	n
13C-1,2,3,7,8-PeCDF	200745500	1.58 y	24:36	1.05	117.8073	0.0694	60.2	n
1,2,3,7,8-PeCDF	729986	1.80 n	24:37	1.04	0.6811	0.0529	-	n
2,3,4,7,8-PeCDF	510524	1.51 y	26:07	0.98	0.5067	0.0562	-	n
Total F2 PeCDF	3833374	1.97 n	22:51	1.01	3.6819	0.0545	-	n
Total F1 PeCDF	356338	0.36 n	16:40	1.01	0.3428	0.0424	-	n
13C-1,2,3,7,8-PeCDD	143220000	1.60 y	26:54	0.67	131.6665	0.0424	67.3	n
1,2,3,7,8-PeCDD	93311	3.87 n	26:57	0.98	0.1298	0.0423	-	n
Total PeCDD	407881	1.96 n	22:59	0.98	0.5676	0.0423	-	n
13C-1,2,3,7,8,9-HxCDD	114137200	1.29 y	33:06	-	10.8684	-	-	n
13C-1,2,3,4,7,8-HxCDF	108419200	0.51 y	31:56	1.02	90.6907	0.0599	46.3	n
1,2,3,4,7,8-HxCDF	744282	1.22 y	31:57	1.21	1.1079	0.0463	-	n
1,2,3,6,7,8-HxCDF	579236	1.14 y	32:04	1.34	0.7786	0.0418	-	n
2,3,4,6,7,8-HxCDF	454063	1.41 y	32:37	1.22	0.6705	0.0459	-	n
1,2,3,7,8,9-HxCDF	411877	1.29 y	33:17	1.09	0.6805	0.0513	-	n
Total HxCDF	3204452	1.18 y	30:34	1.22	4.7422	0.0461	-	n
13C-1,2,3,6,7,8-HxCDD	105645300	1.29 y	32:50	0.81	112.2179	0.0193	57.3	n
1,2,3,4,7,8-HxCDD	180500	1.30 y	32:46	1.01	0.3321	0.0481	-	n
1,2,3,6,7,8-HxCDD	260054	1.20 y	32:51	1.11	0.4325	0.0435	-	n
1,2,3,7,8,9-HxCDD	228363	1.35 y	33:07	1.21	0.3499	0.0401	-	n
Total HxCDD	756218	1.00 n	31:23	1.11	1.2601	0.0436	-	n
13C-1,2,3,4,6,7,8-HpCDF	52389700	0.43 y	34:36	0.86	52.0671	0.2703	26.6	n
1,2,3,4,6,7,8-HpCDF	615665	1.03 y	34:37	1.31	1.7560	0.0882	-	n
1,2,3,4,7,8,9-HpCDF	311882	0.97 y	35:44	1.03	1.1359	0.1126	-	n
Total HpCDF	1134262	1.03 y	34:37	1.17	3.5531	0.0989	-	n
13C-1,2,3,4,6,7,8-HpCDD	47040500	1.06 y	35:25	0.70	57.8166	0.1012	29.5	n
1,2,3,4,6,7,8-HpCDD	216243	1.01 y	35:26	1.07	0.8393	0.0985	-	n
Total HpCDD	285827	2.15 n	34:37	1.07	1.1094	0.0985	-	n
13C-OCDD	36674000	0.91 y	37:55	0.53	59.1656	0.0807	15.1	n
OCDF	623960	0.93 y	38:02	1.45	4.6072	0.3059	-	n
OCDD	436695	0.82 y	37:55	1.17	3.9961	0.2276	-	n

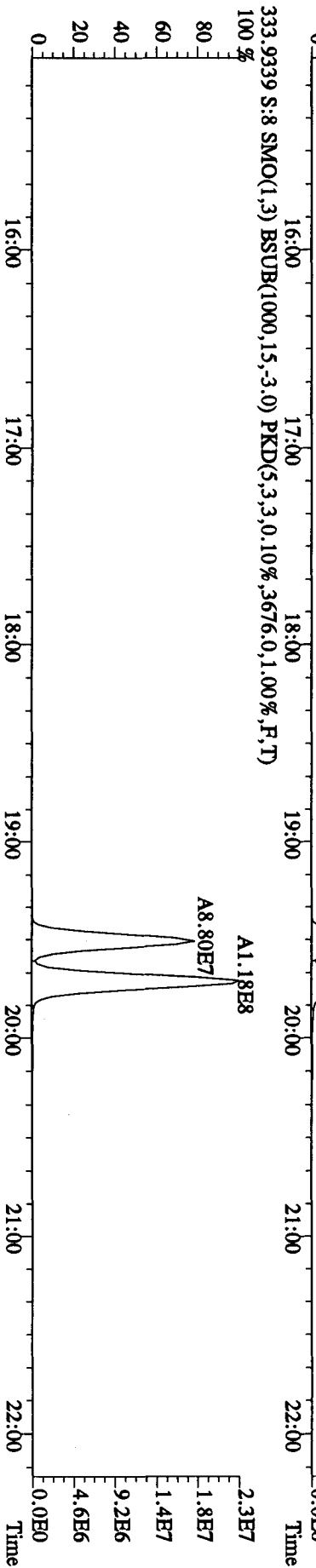
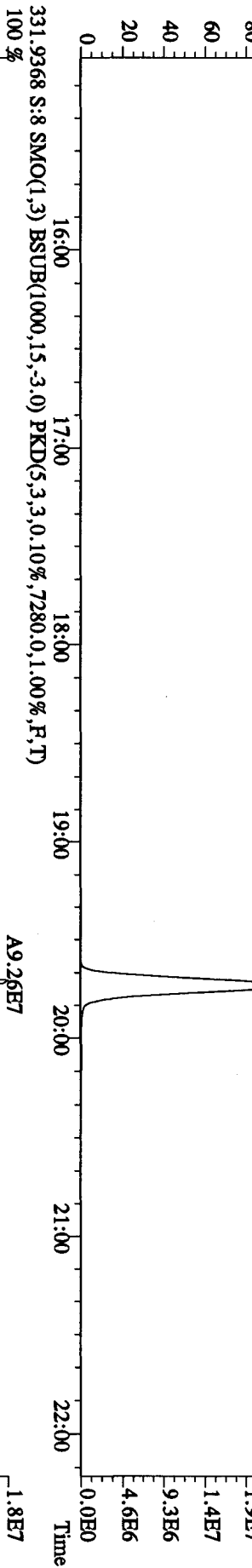
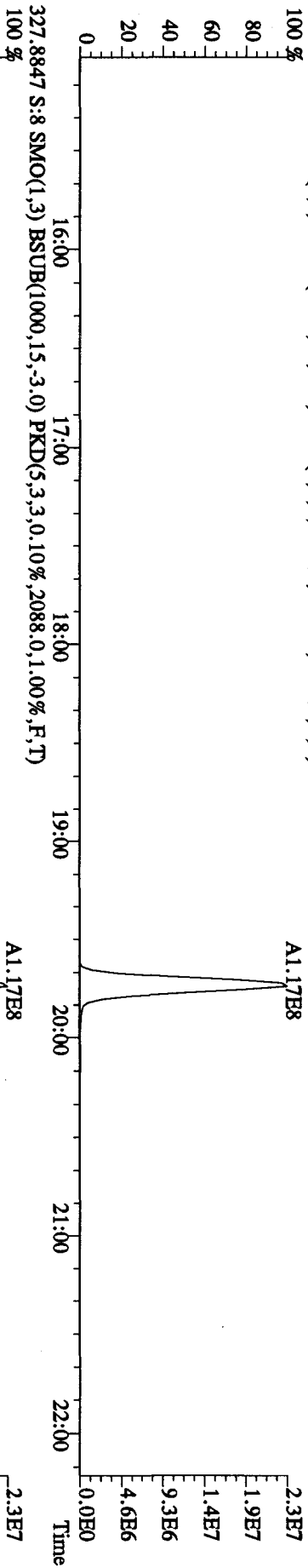
File:27AP104D5 #1-434 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXXXQ-1-AD :G0D140422-3 Exp:DIOXINRES8290A
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,796.0,1.00%,F,T) 100 %
 315.9419 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T) 100 %



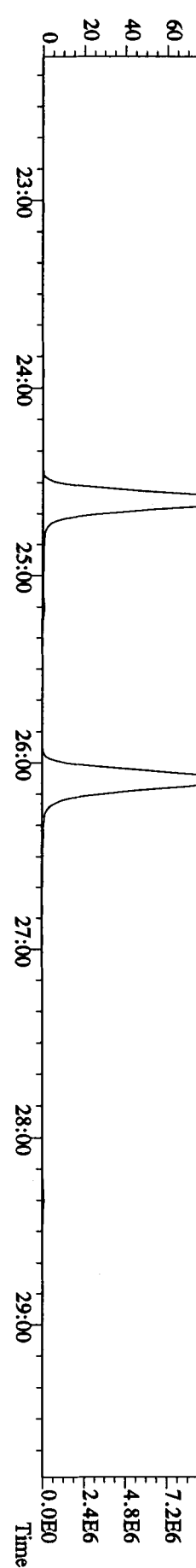
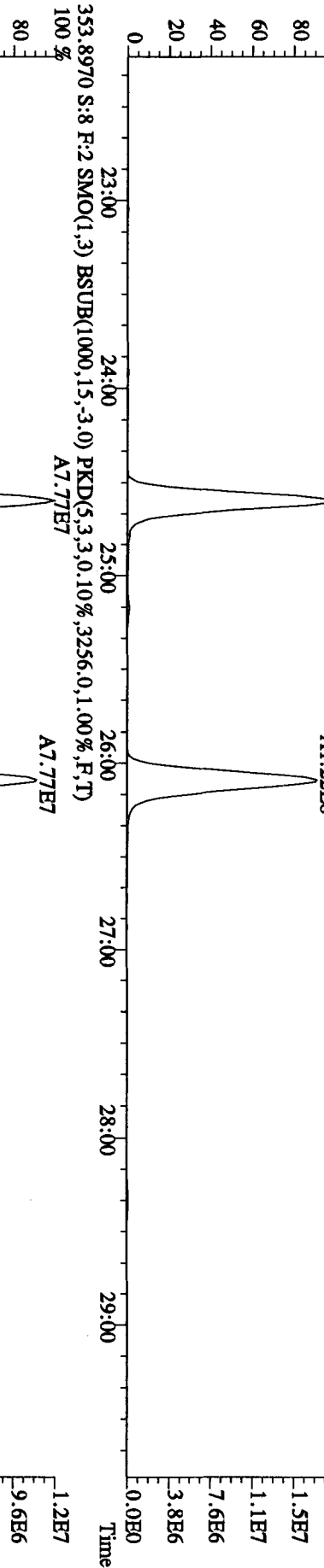
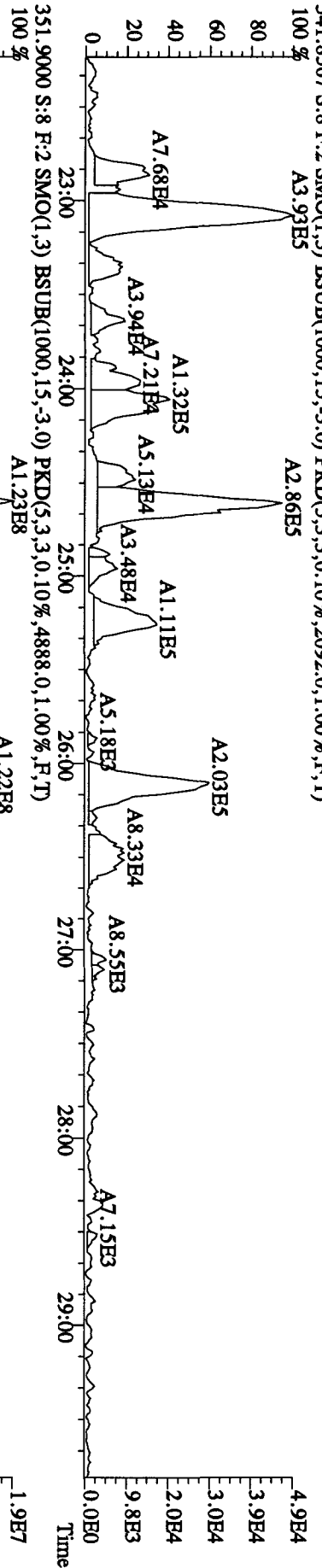
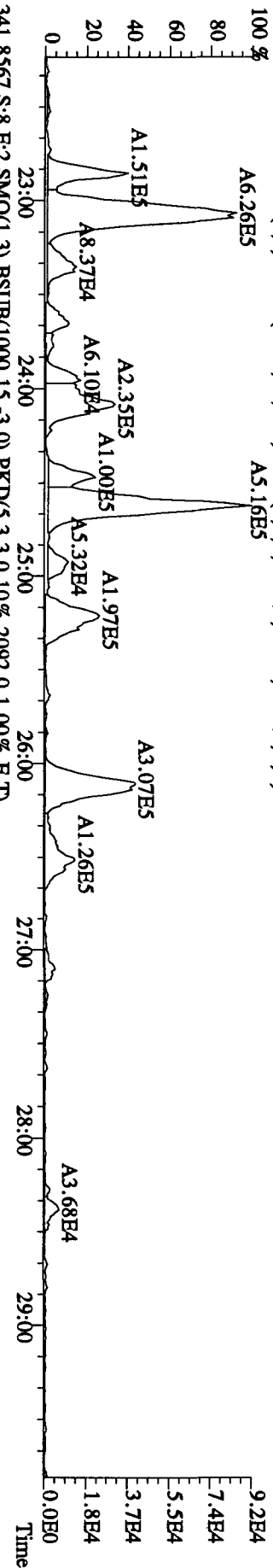
File:27ADP104D5 #1-434 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXXXQ-1-AD :GOD140422-3 Exp:DIOXINRES8290A
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1160,0,1,00%,F,T)
 100 %



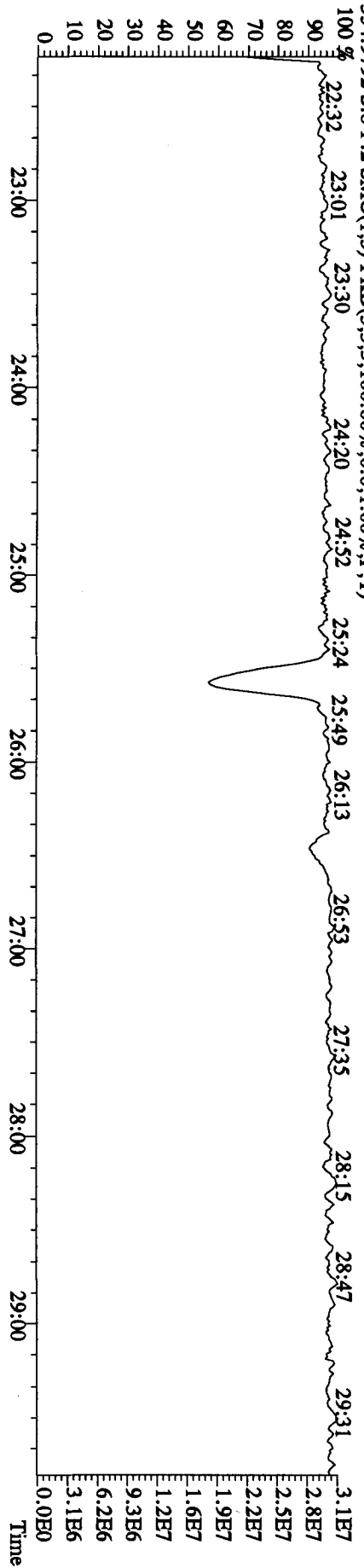
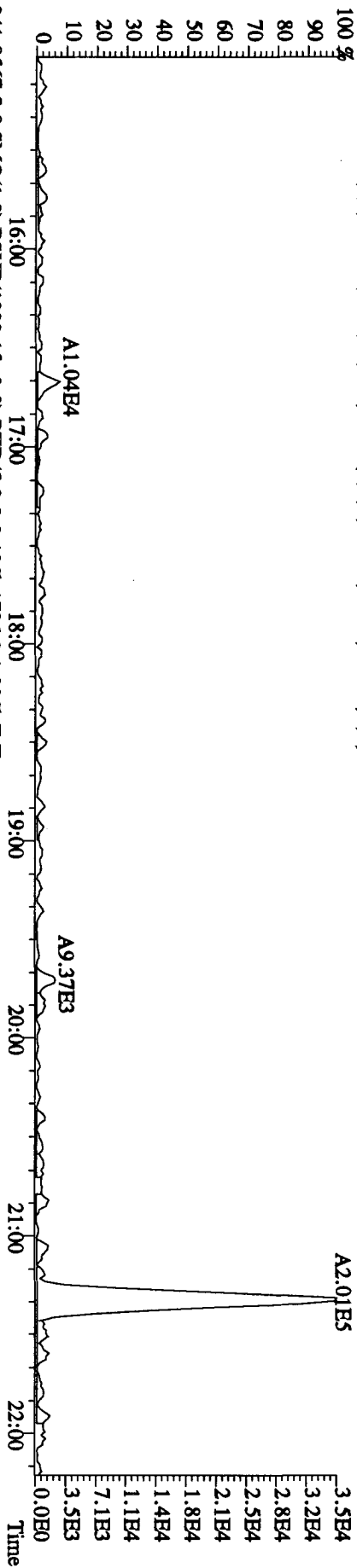
File:27ADP104D5 #1-434 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXXXQ-1-AD :G0D140422-3 Exp:DIOXINRES8290A
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2088,0,1,00%,F,T)



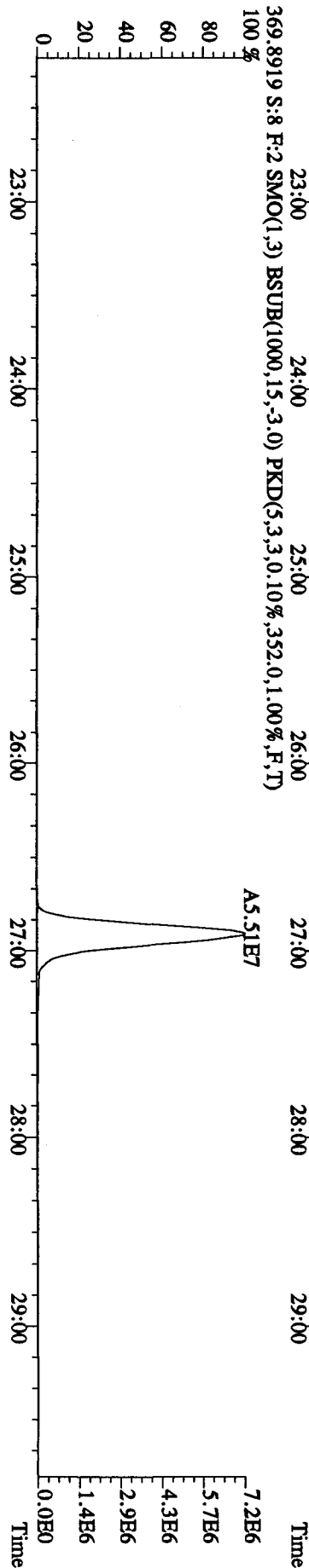
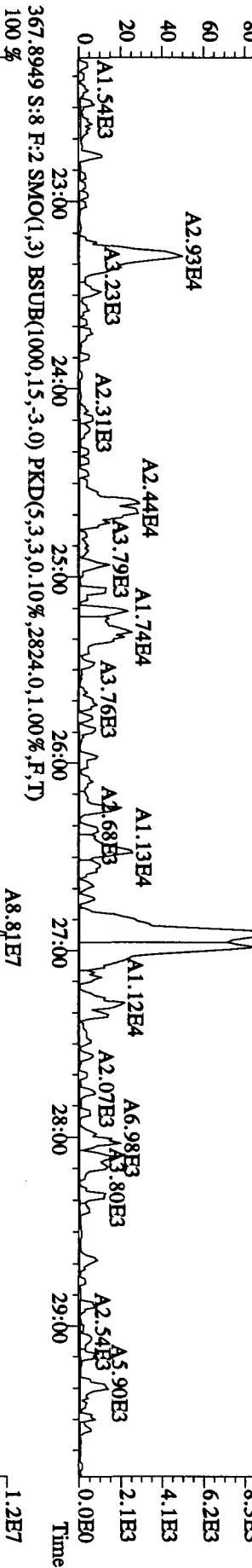
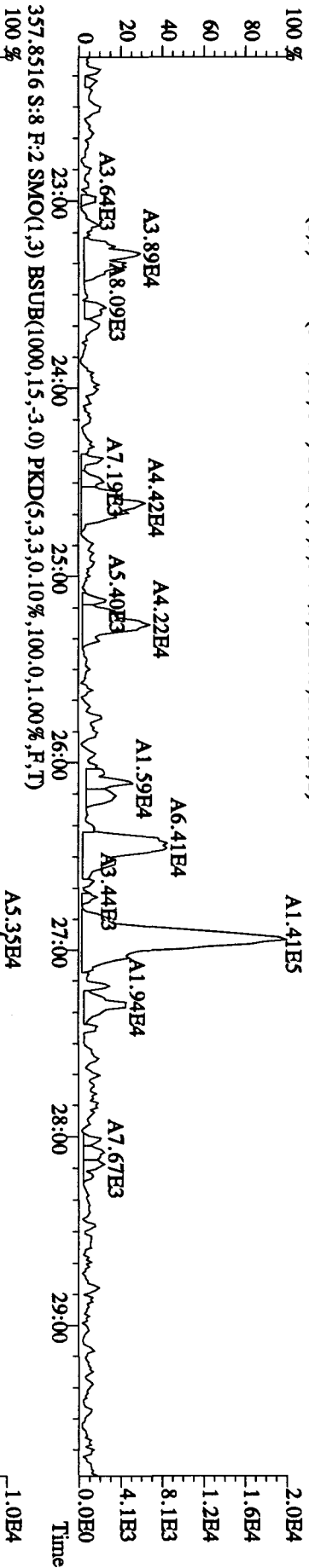
File: 27AP104D5 #1-604 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text: LXXKO-1-AD :G0D140422-3 Exp: DIOXINRES8290A
 339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,836,0,1.00%,F,T)
 100 % A5.16B5



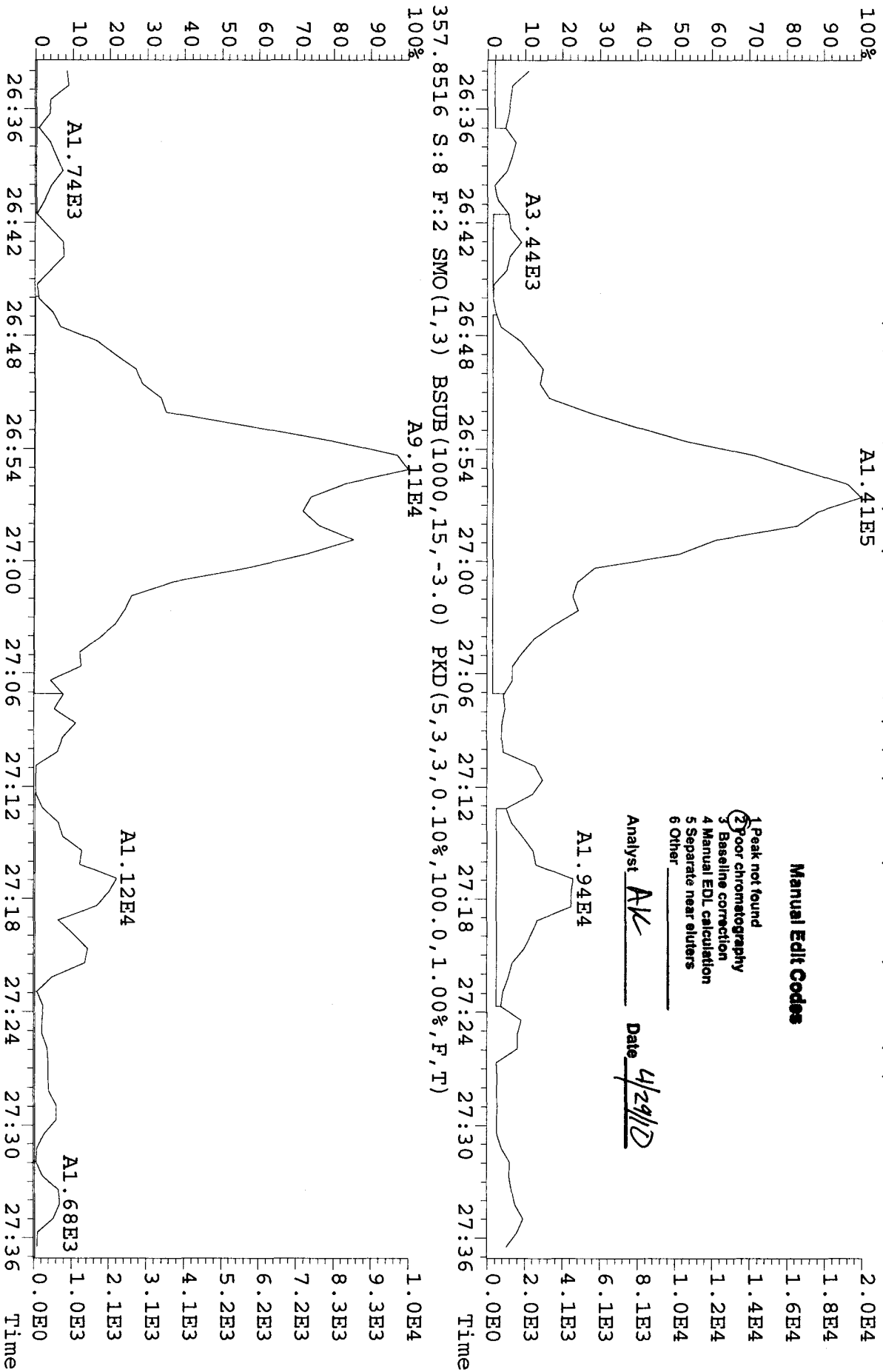
File: 27AP104D5 #1-434 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text: LXXXQ-1-AD :G0D140422-3 Exp: DIOXINRES8290A
 339.8597 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,544,0,1,00%,F,T)



File:27AP104D5 #1-604 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXKKQ-1-AD :G0D140422-3 Exp:DIOXINRES8290A
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1228,0,1.00%,F,T)



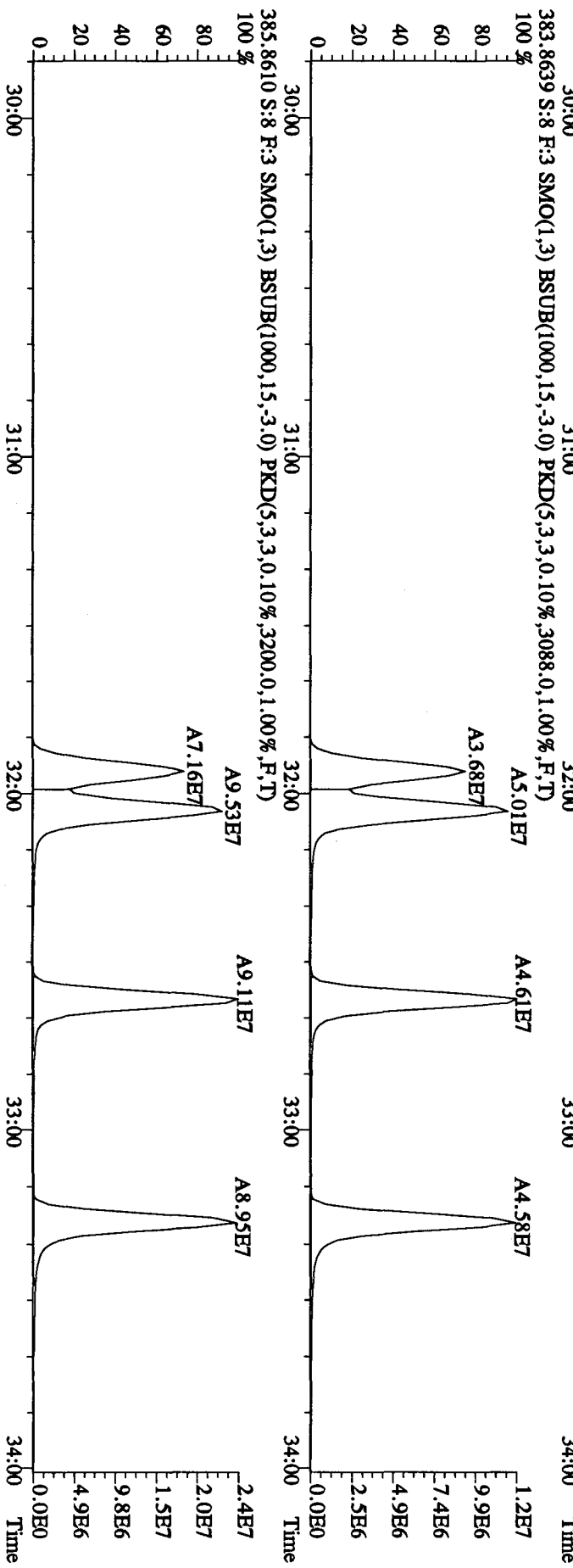
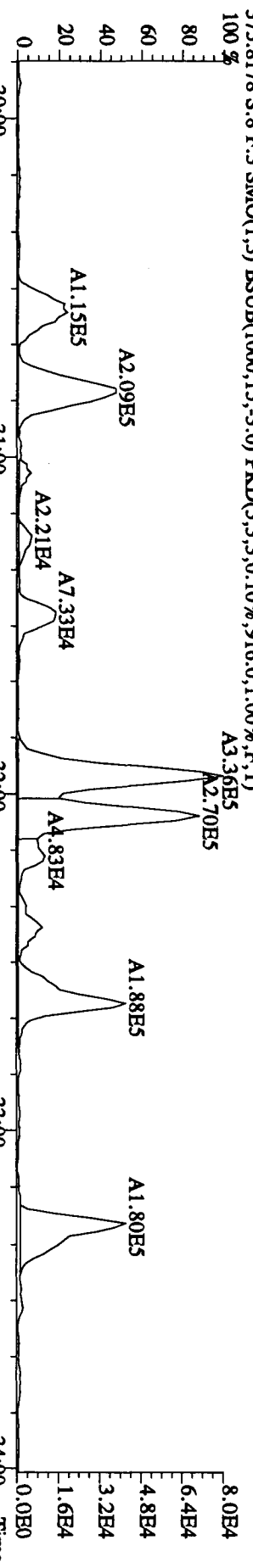
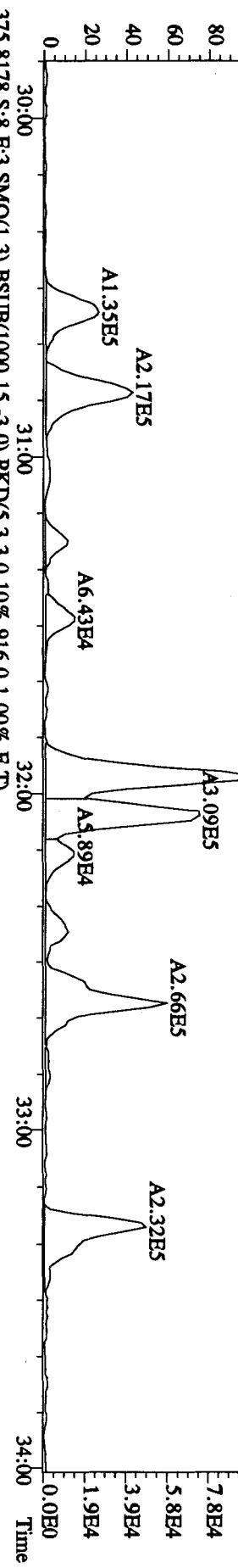
File: 27API04D5 #1-604 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample# 8 Text: LXXKQ-1-AD :G0D140422-3 Exp: DIOXINRES8290A
 357.8516 S: 8 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1228.0,1.00%,F,T)



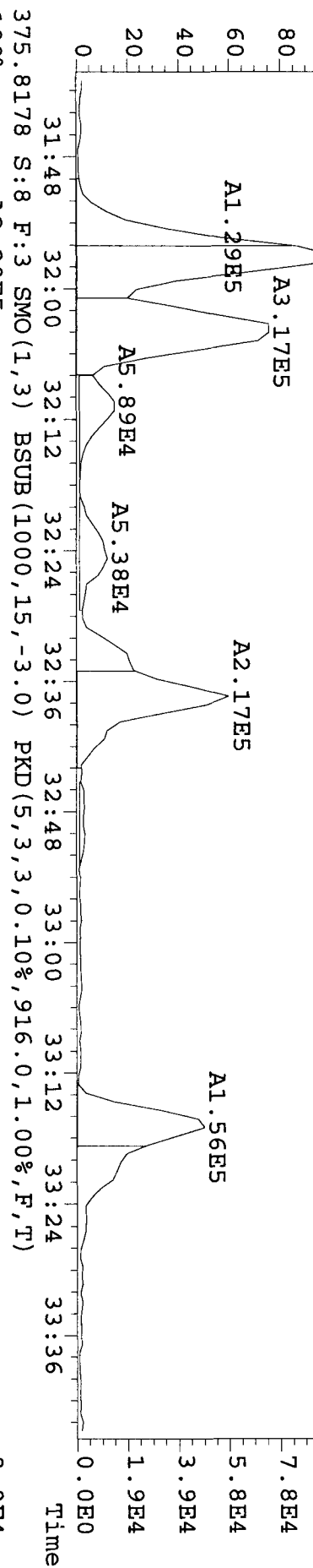
- Manual Edit Codes**
- 1 Peak not found
 - 2 Poor chromatography
 - 3 Baseline correction
 - 4 Manual EDL calculation
 - 5 Separate near eluters
 - 6 Other

Analyst AK Date 4/29/10

File:27AD104D5 #1-317 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXXXQ-1-AD :G0D140422-3 Exp:DIOXINRES8290A
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T) A4.09E5



File: 27API04D5 #1-317 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text: LXXKQ-1-AD :GOD140422-3 Exp: DIOXINRES8290A
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)
 100% A2.91E5



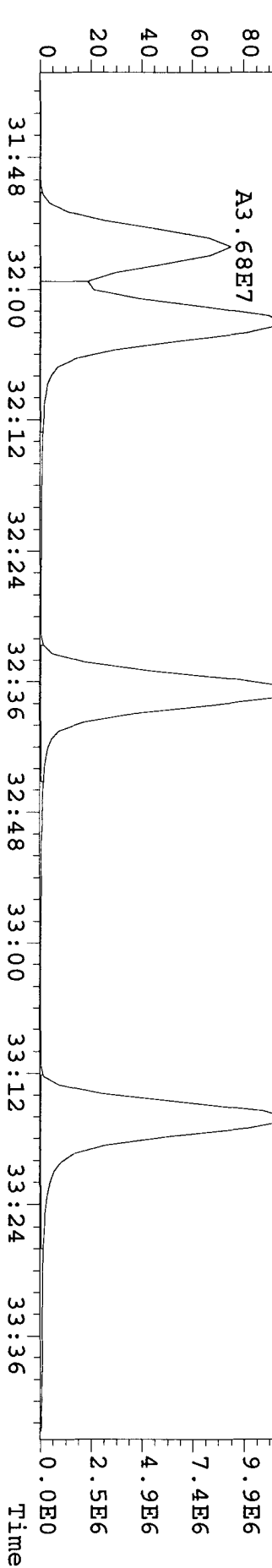
Manual Edit Codes

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

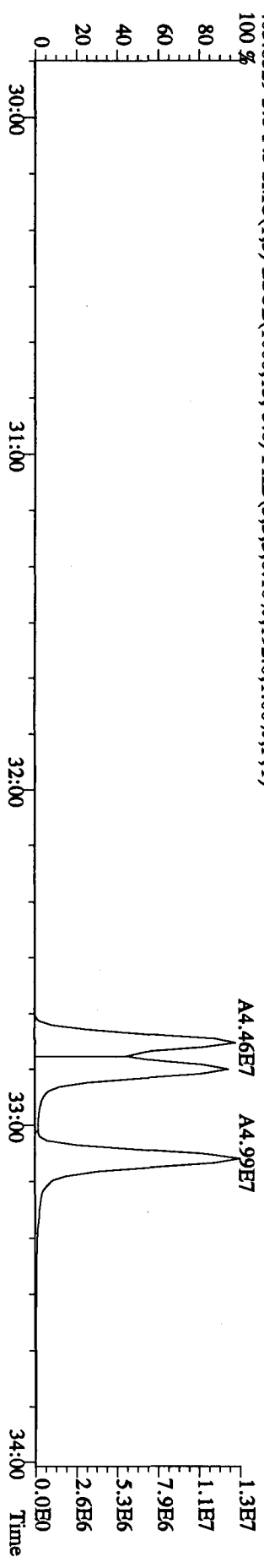
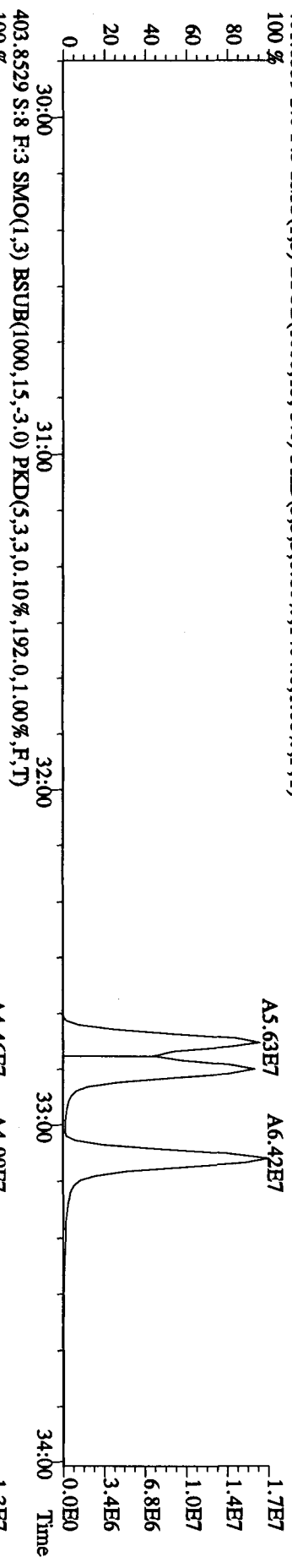
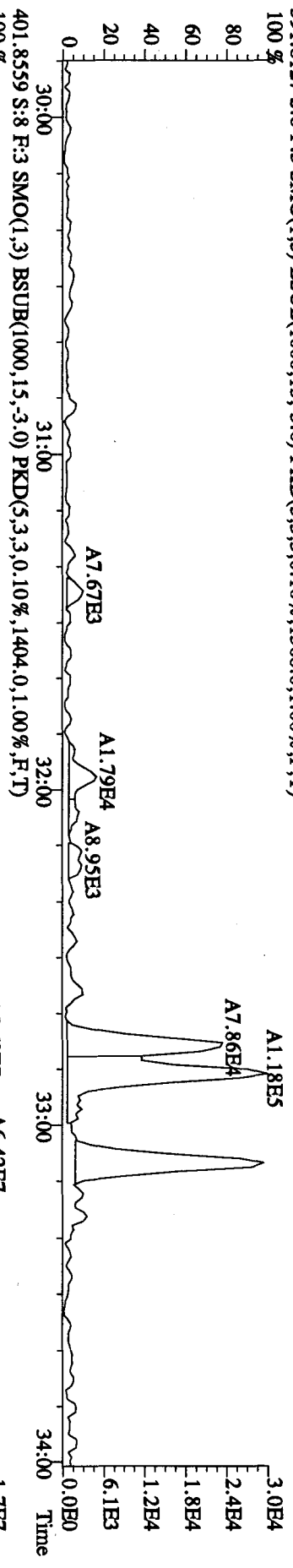
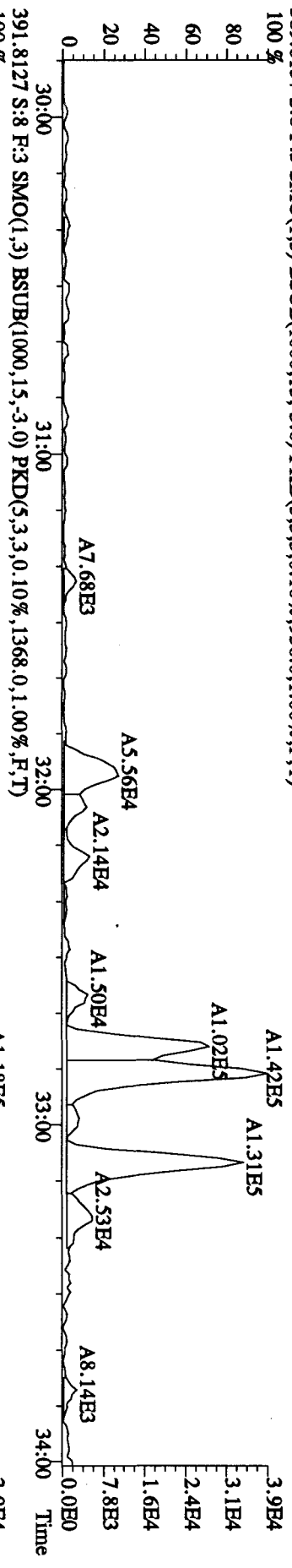
Analyst AK

Date 4/29/10

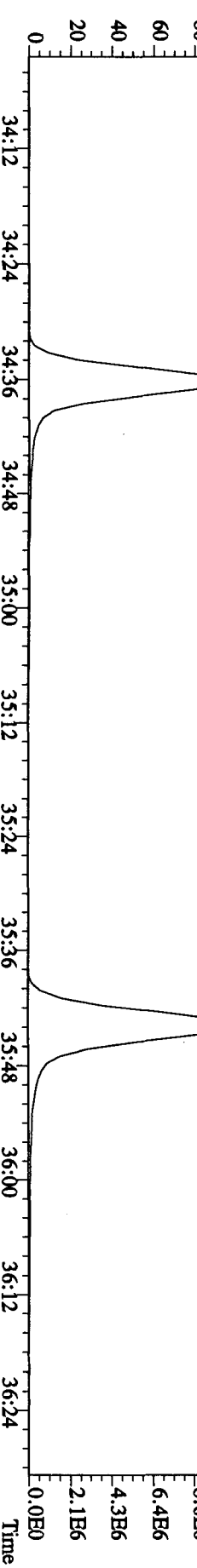
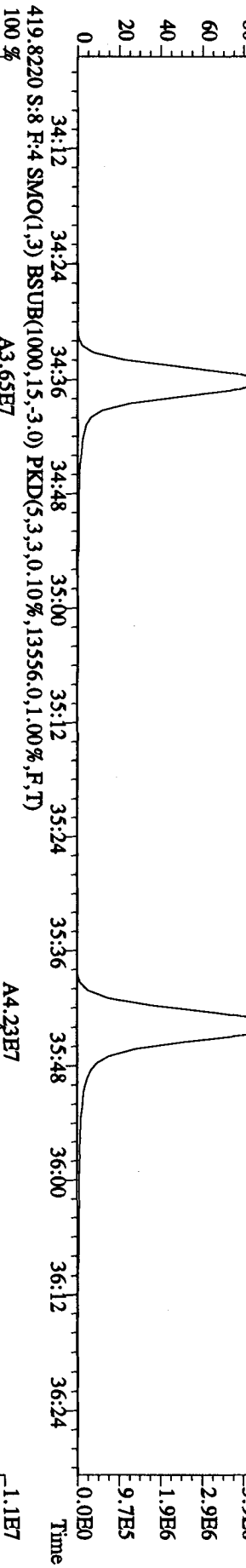
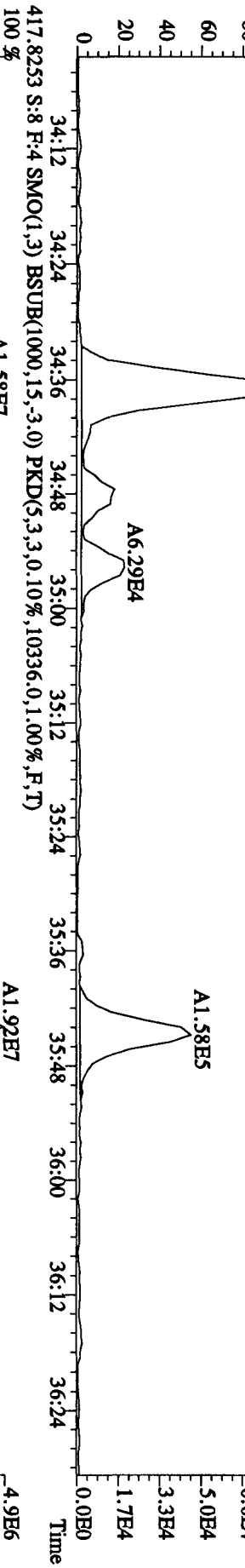
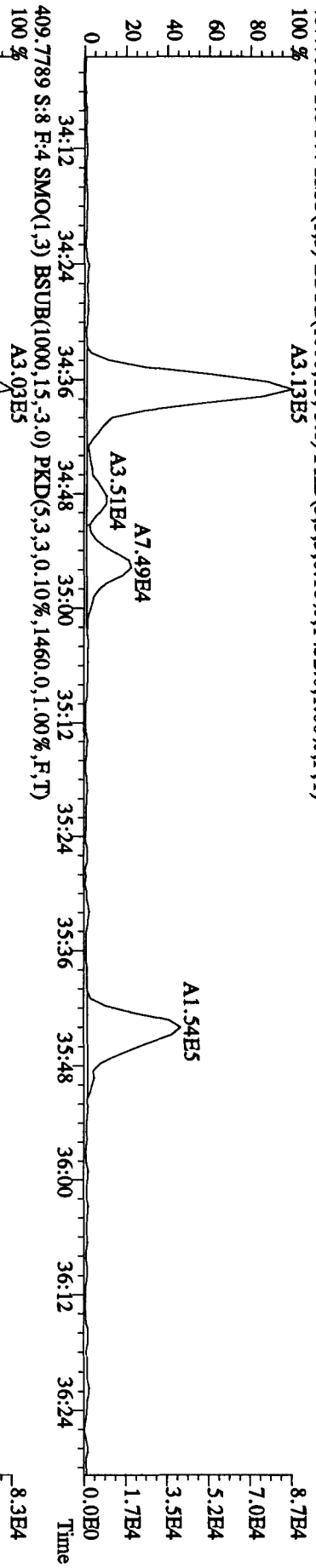
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,916.0,1.00%,F,T)
 100% A2.20E5
 A1.20E5
 A4.71E4
 A1.49E4
 A1.33E5



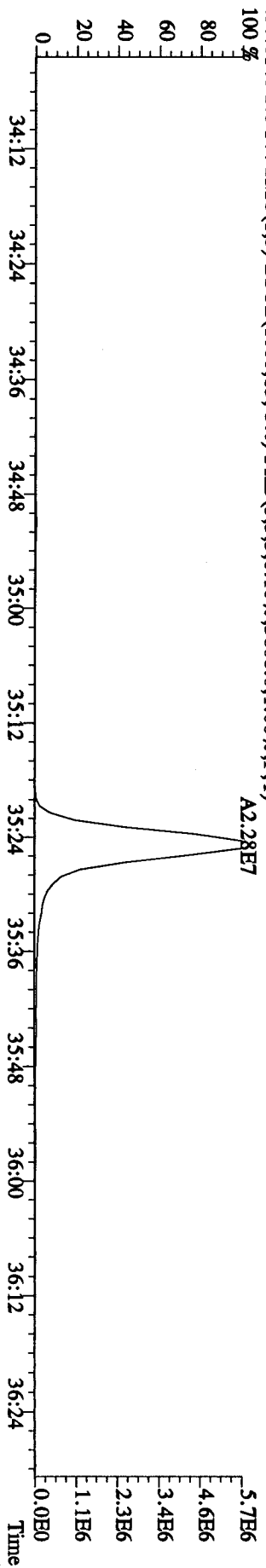
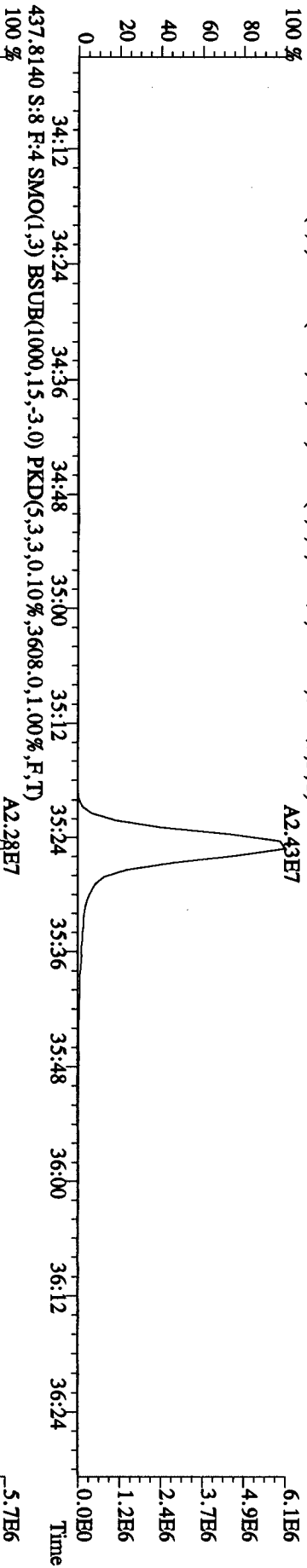
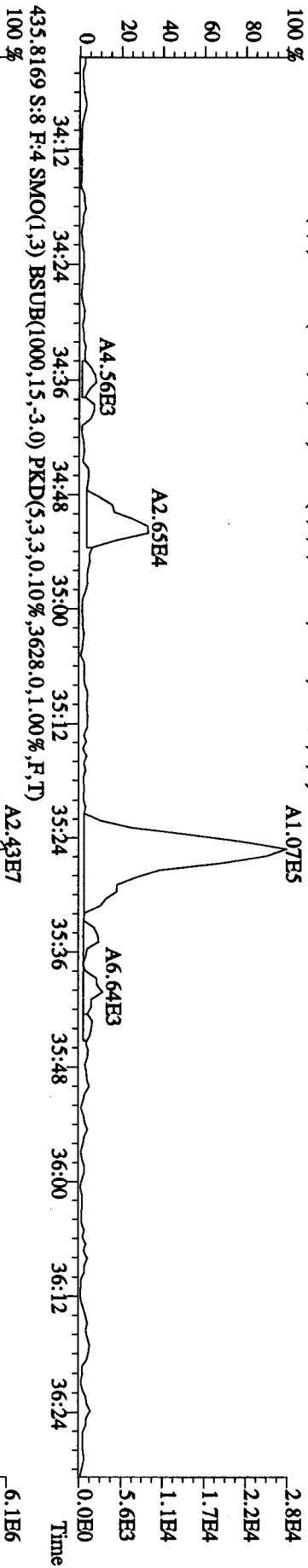
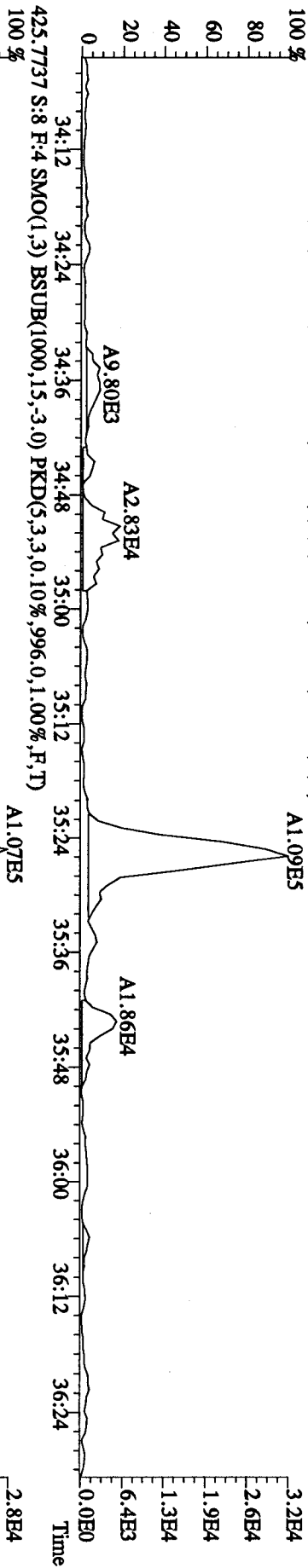
File:27AP104D5 #1-317 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXXXQ-1-AD :GOD140422-3 Exp:DIOXINRES8290A
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956,0,1.00%,F,T)



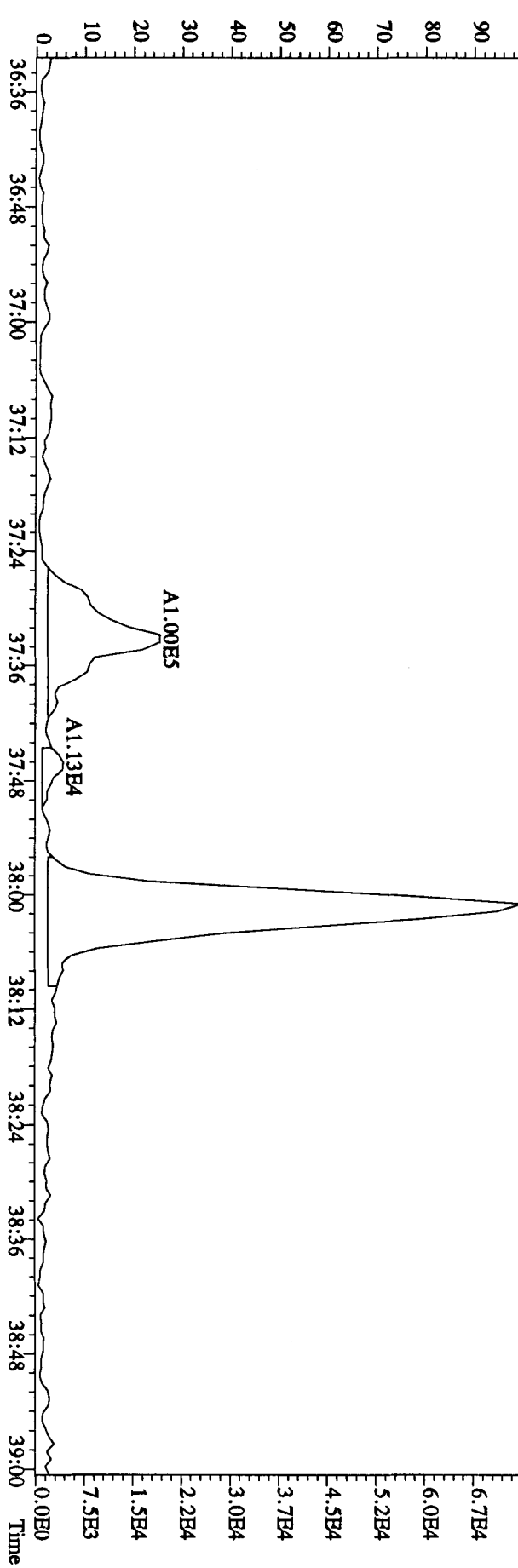
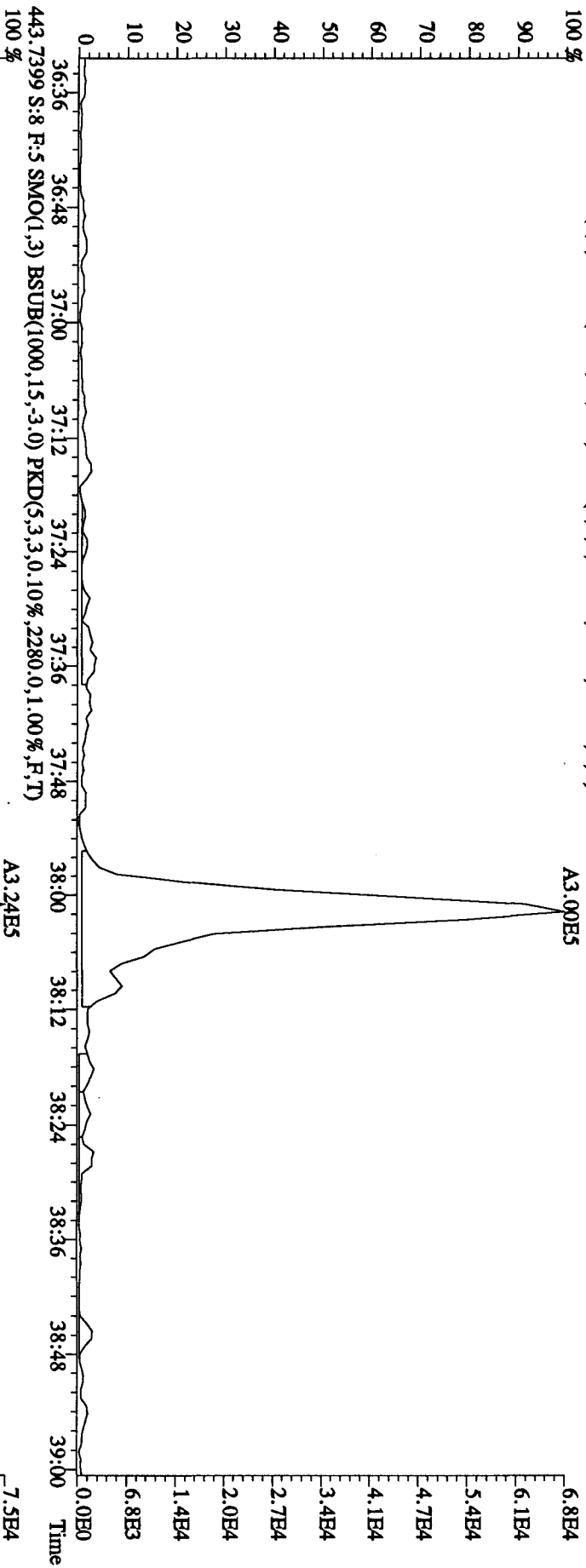
File:27ADP104D5 #1-198 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXXXKQ-1-AD :GOD140422-3 Exp:DIOXINRES8290A
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1432.0,1.00%,F,T)
 100 % A3.13E5



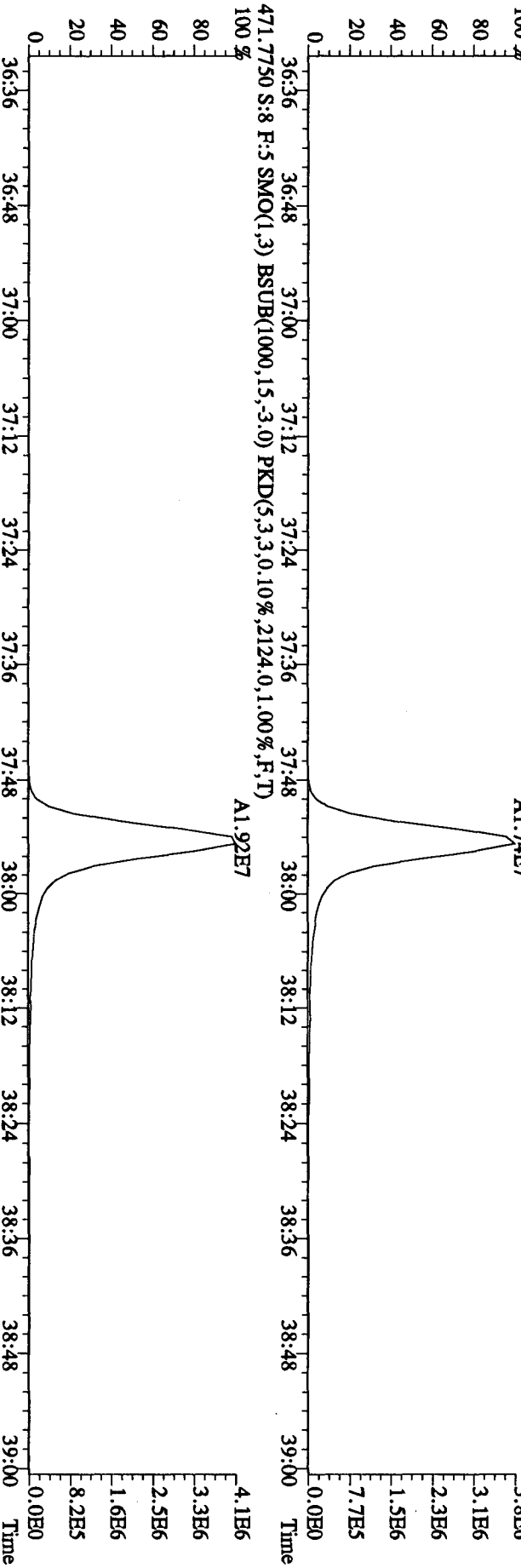
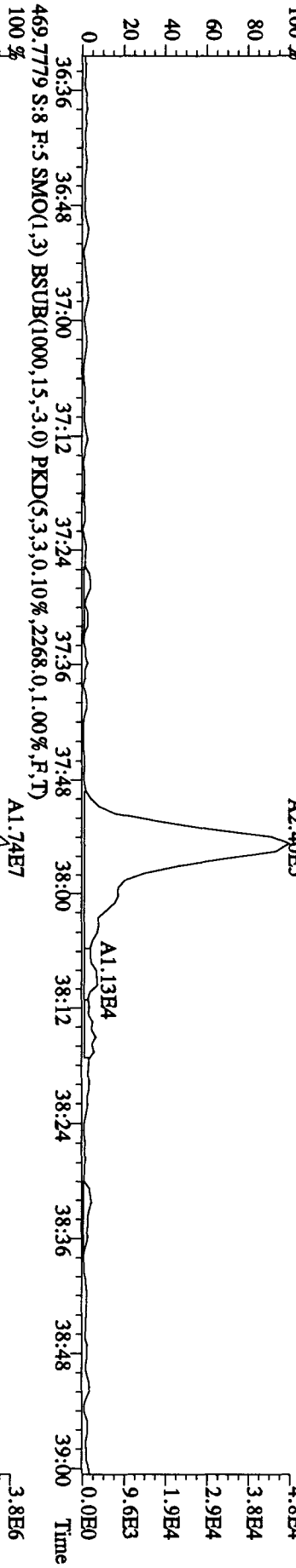
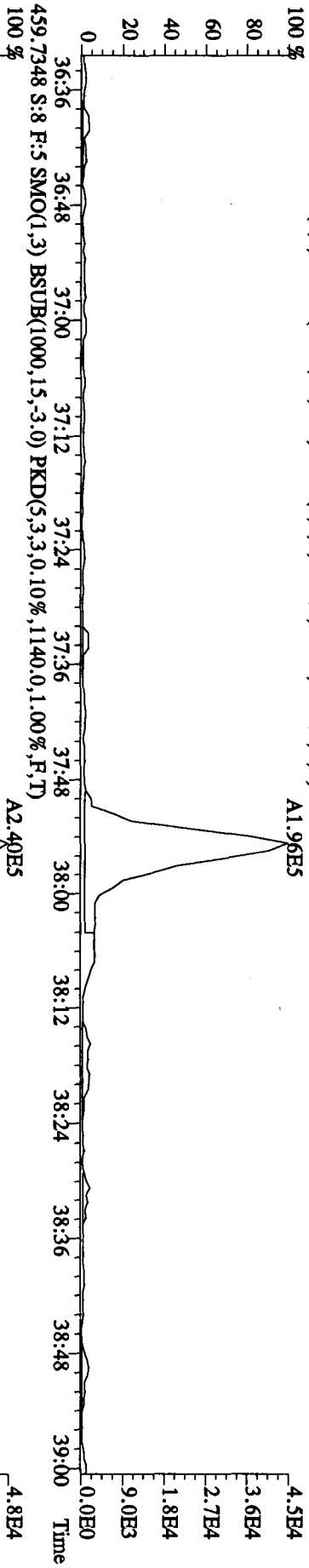
File: 27AP104D5 #1-198 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text: LXXXQ-1-AD :GOD140422-3 Exp: DIOXINRES8290A
 423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



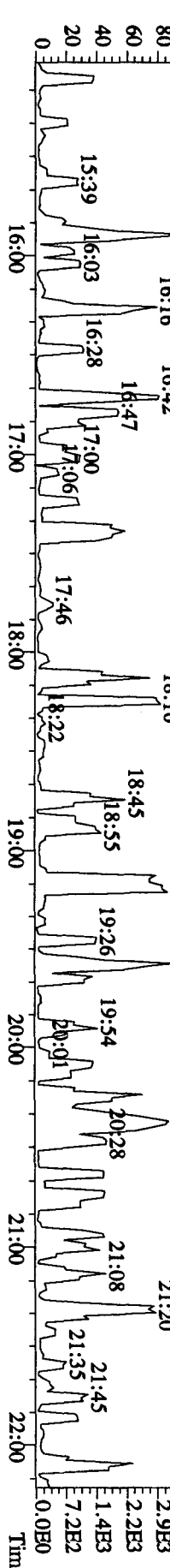
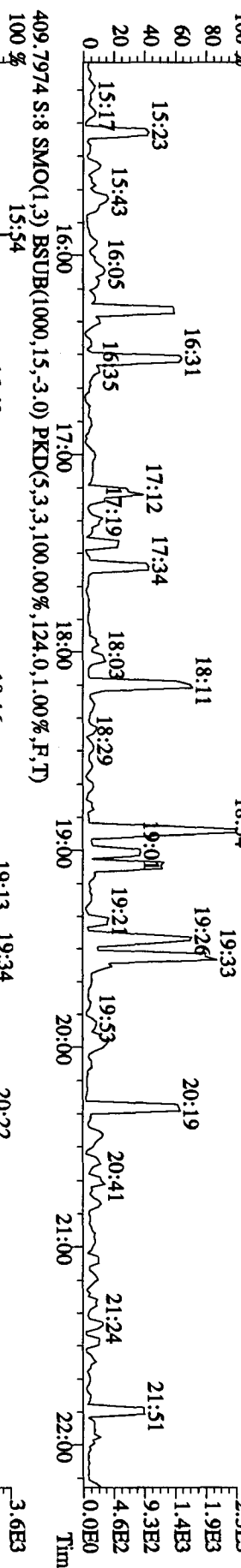
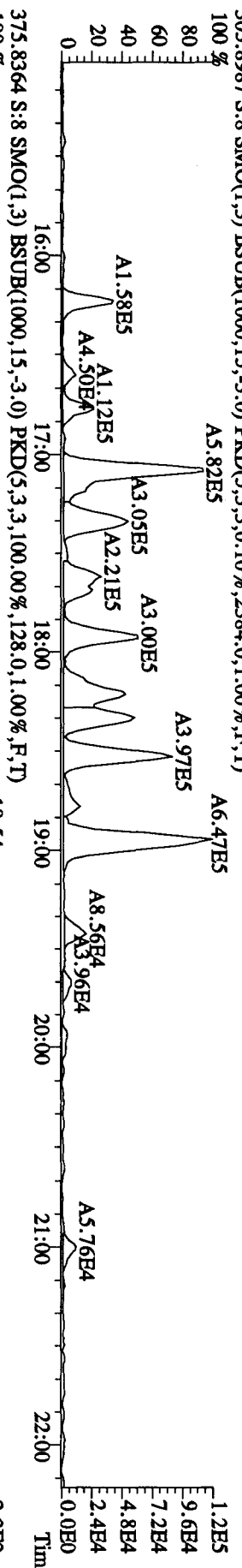
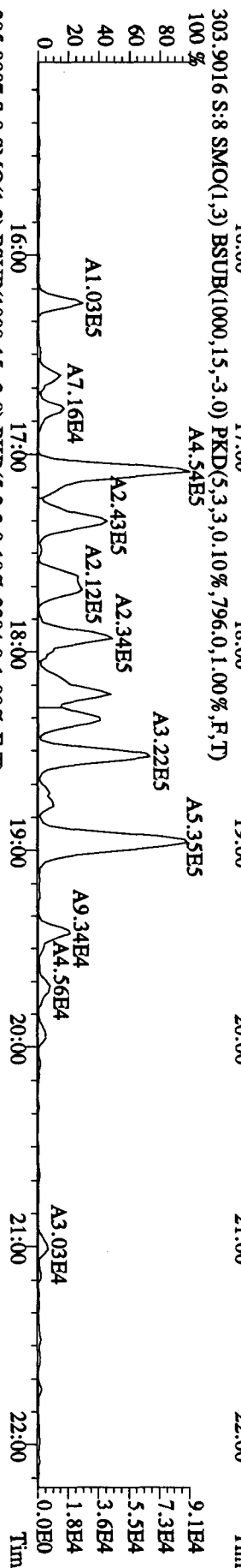
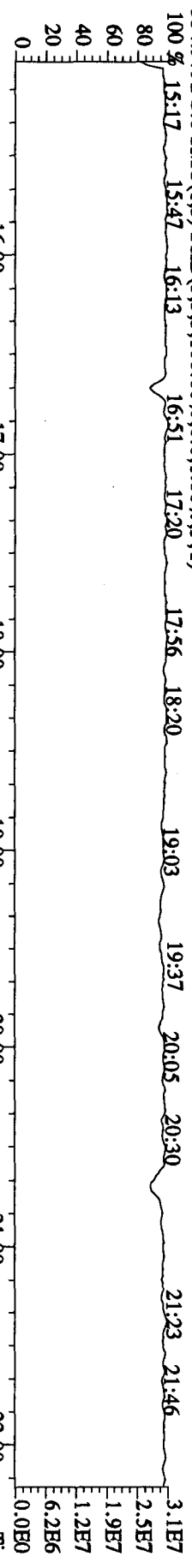
File:27AP104D5 #1-190 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXXXQ-1-AD :GOD140422-3 Exp:DIOXINRBS8290A
 441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)
 100 %



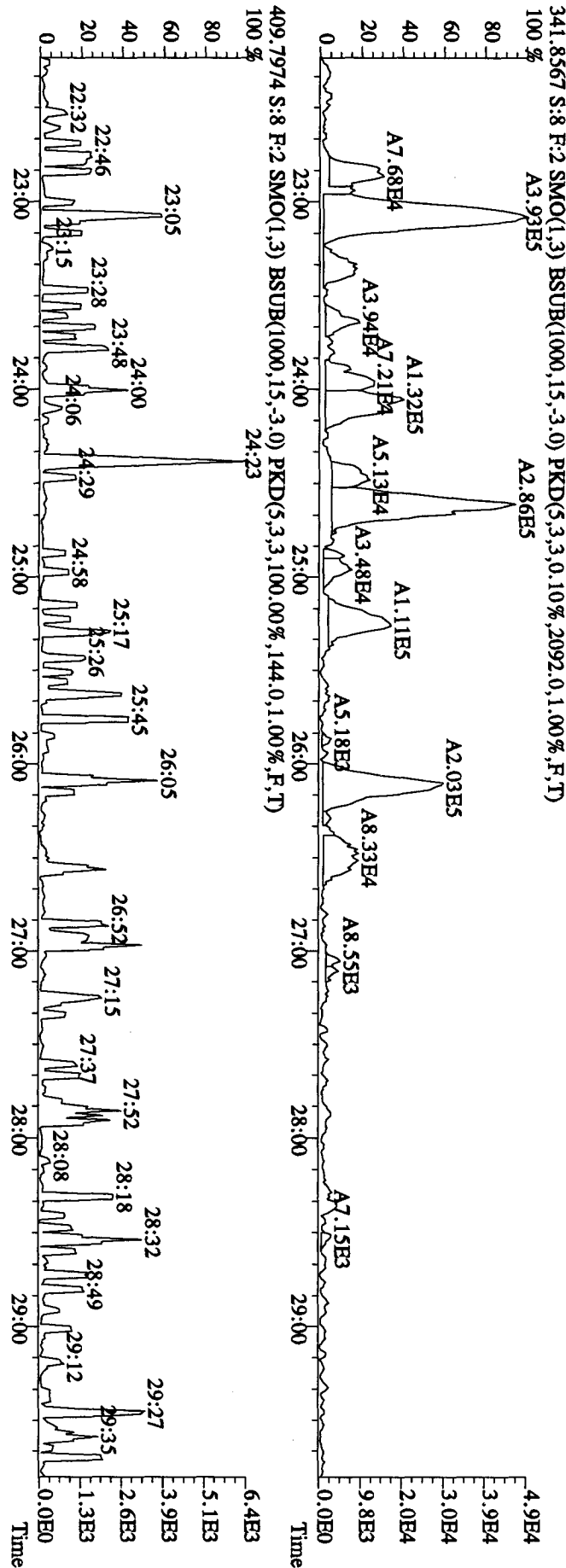
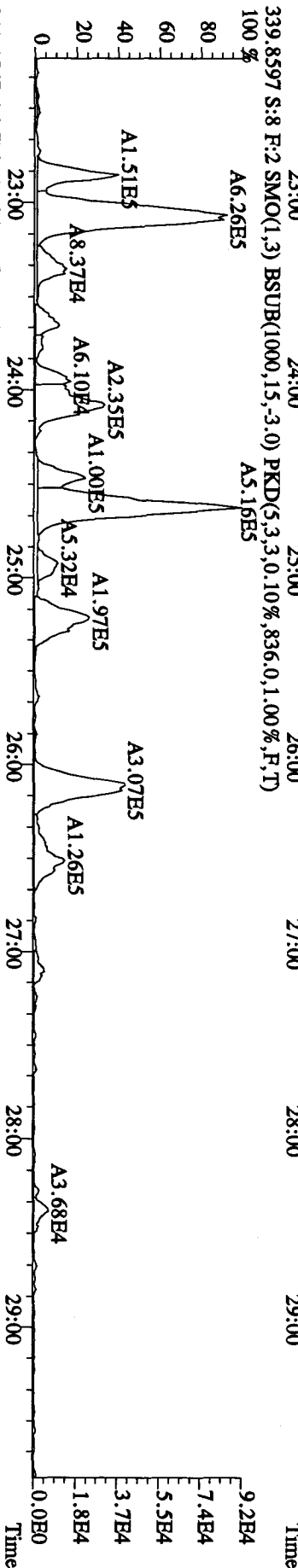
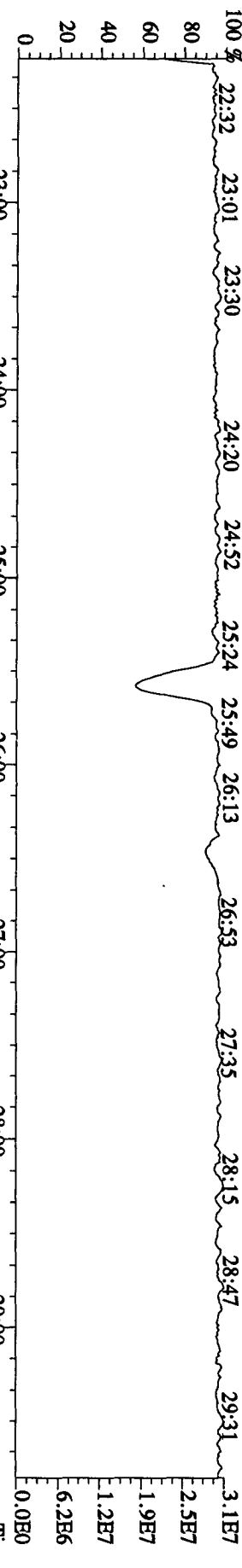
File: 27AP104D5 #1-190 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text: LXXXQ-1-AD :G0D140422-3 Exp: DIOXINRES8290A
 457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,656,0,1.00%,F,T)



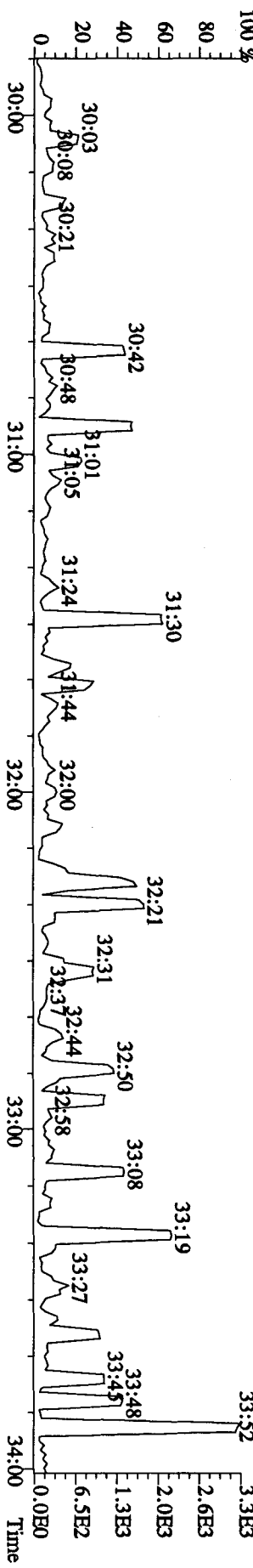
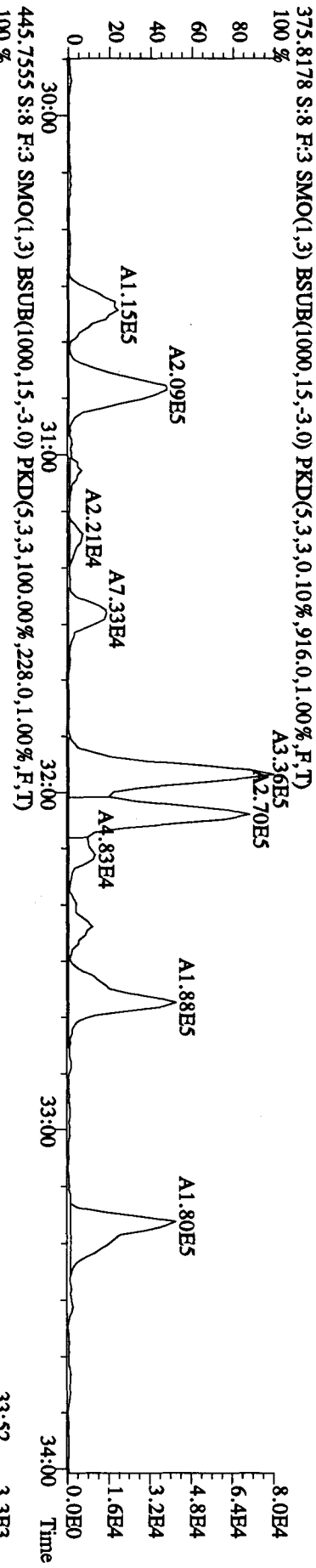
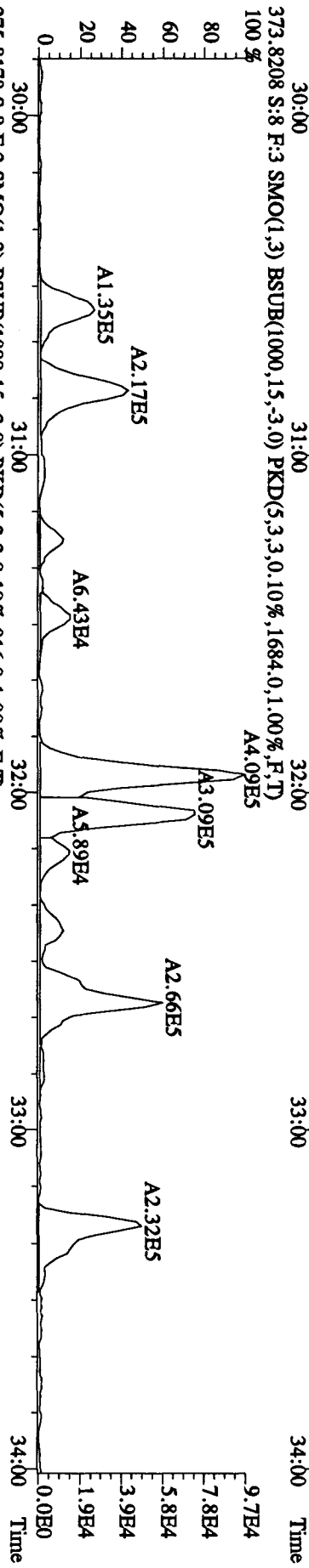
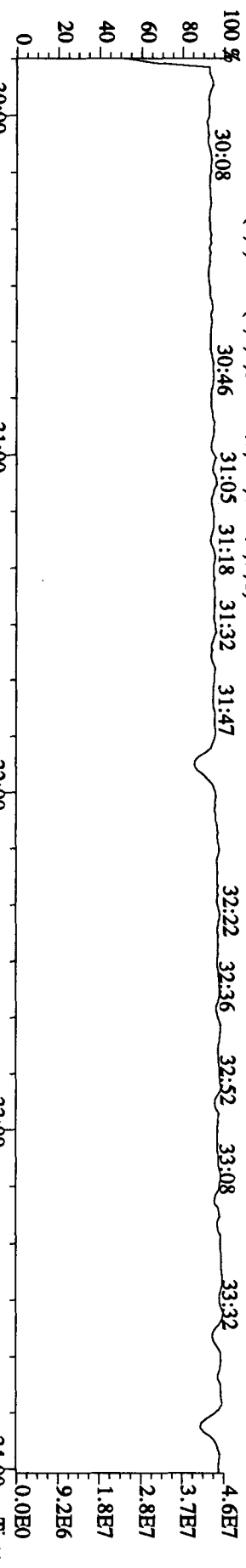
File: 27AD104D5 #1-434 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text: LXXKO-1-AD :GOD140422-3 Exp: DIOXINRES8290A



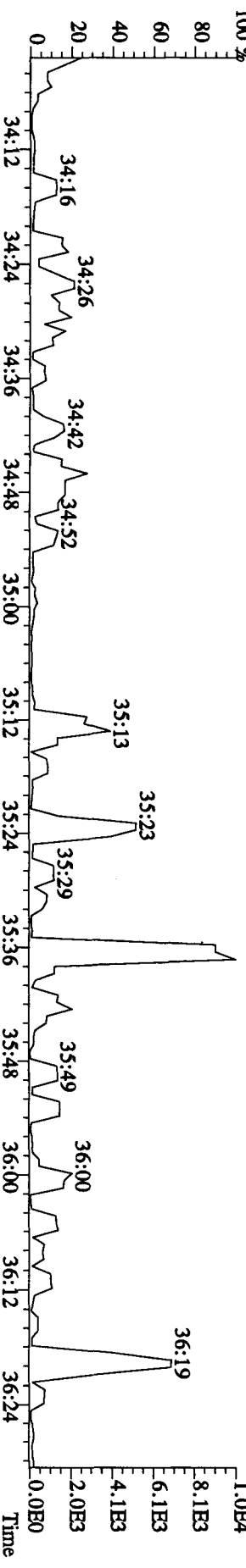
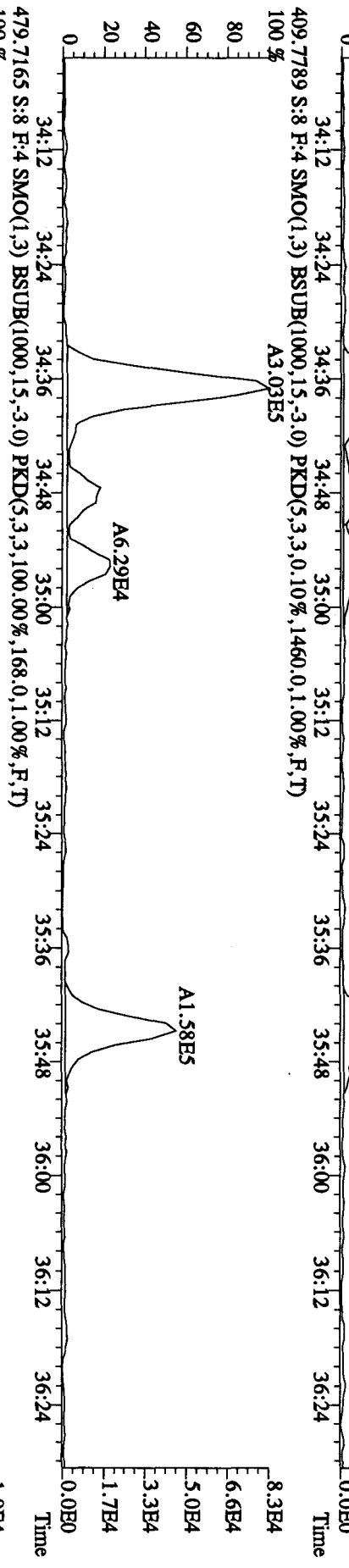
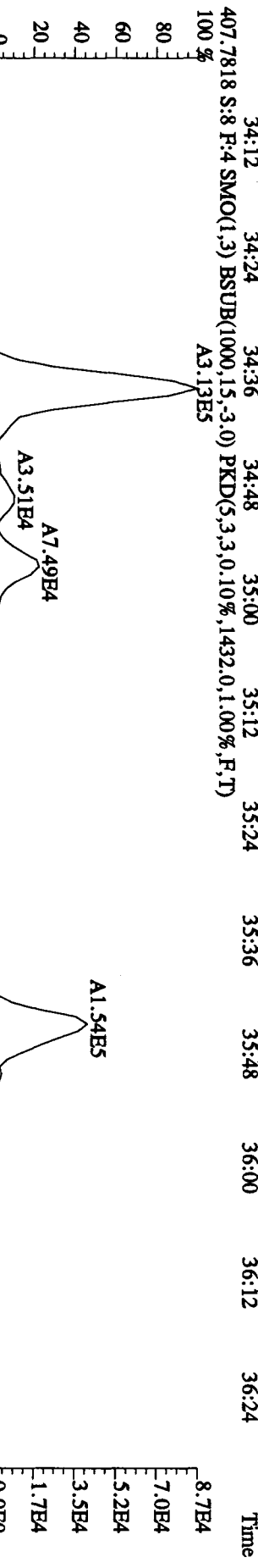
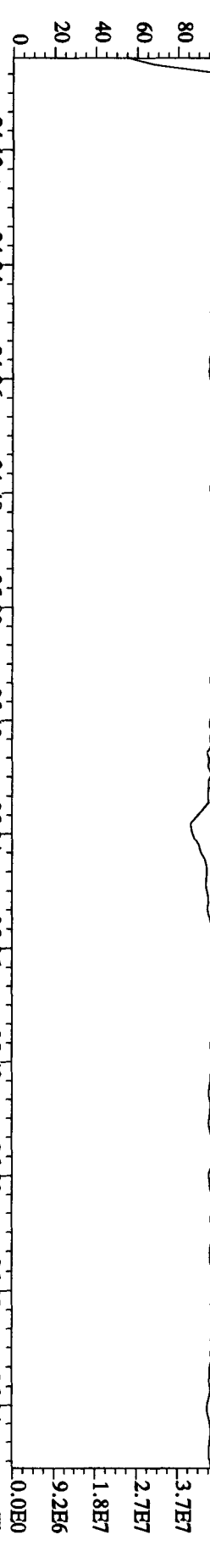
File:27AP104D5 #1-604 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXXXQ-1-AD :G0D140422-3 Exp:DIOXINRES8290A



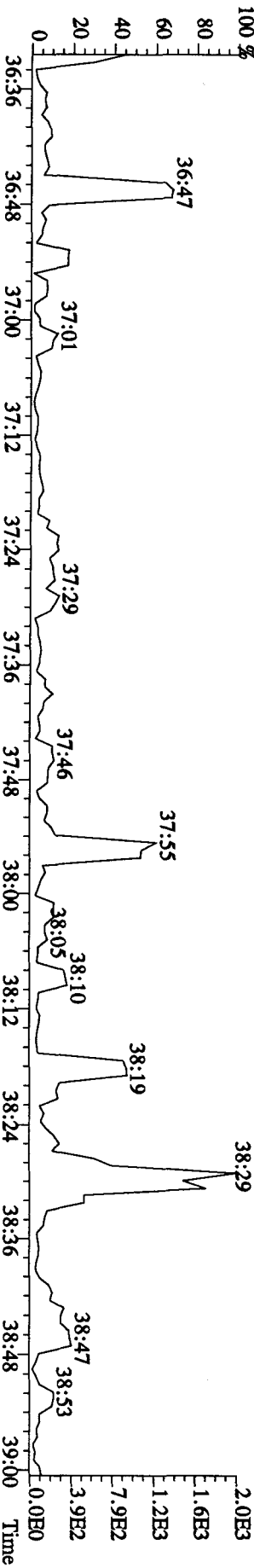
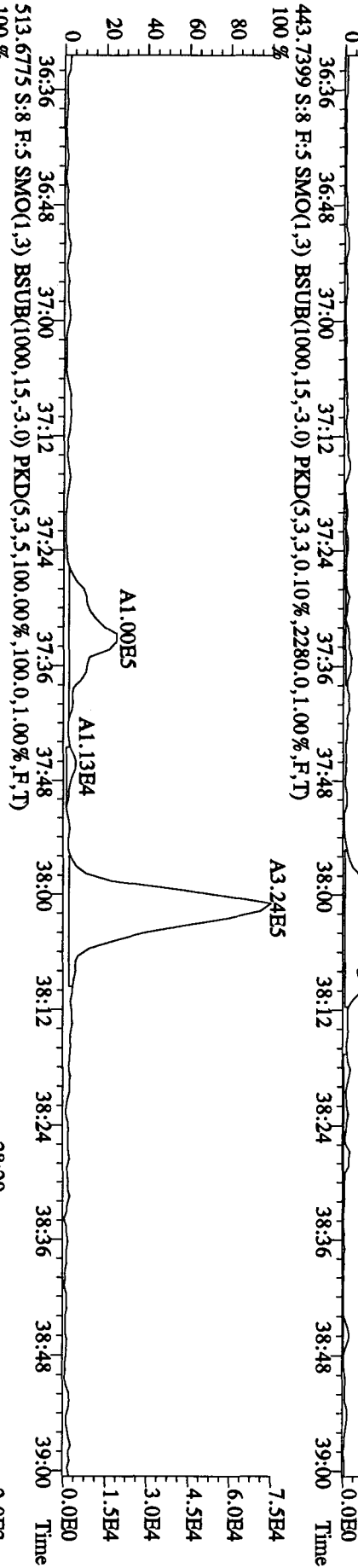
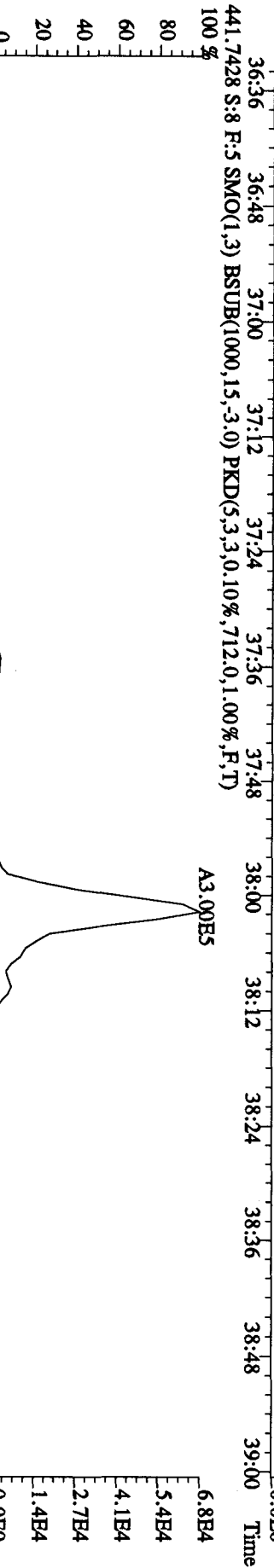
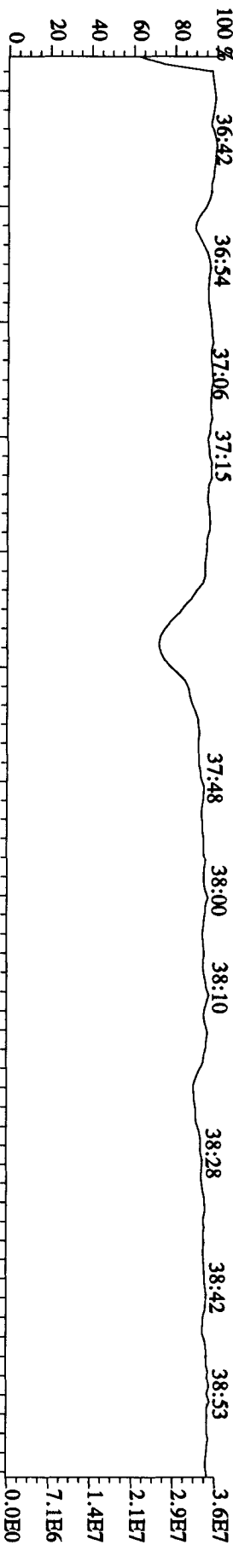
File: 27AP104D5 #1-317 Acq: 27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text: LXXKO-1-AD :G0D140422-3 Exp: DIOXINRES8290A
 430.9728 S:8 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



File:27AP10AD5 #1-198 Acq:27-APR-2010 17:01:32 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXXKO-1-AD :GOD140422-3 Exp:DIOXINRES8290A
 430.9728 S:8 F:4 SMO(1.3) PKD(5.3,3,100.00% 0.0,1.00%,F,T)
 100 % 34:09 34:20 34:31 34:45 34:57



File:27AP104D5 #1-190 Acq:27-APR-2010 17:01:32 GC EI + Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXXXQ-1-AD :GOD140422-3 Exp:DIOXINRES8290A
 442.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%

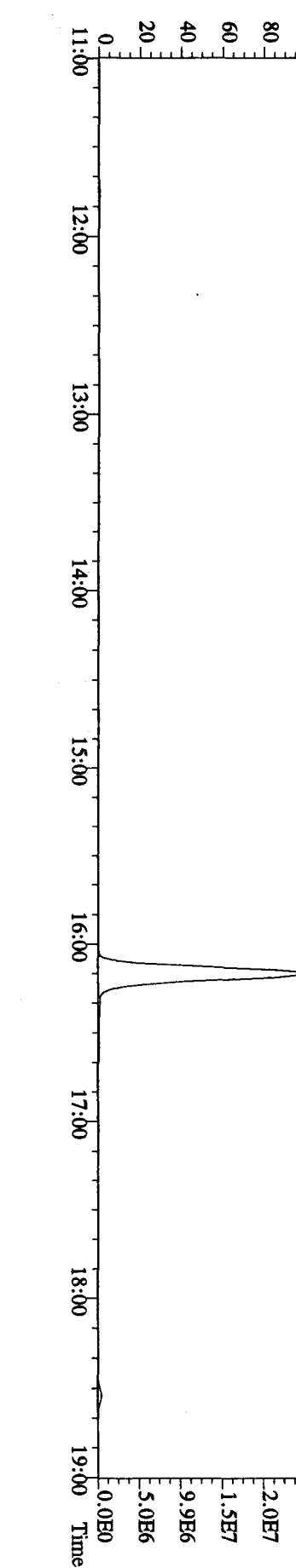
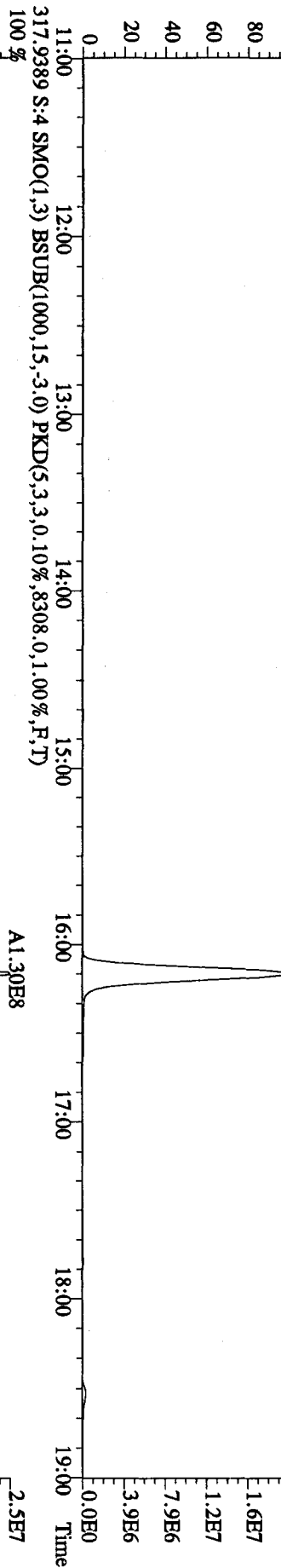
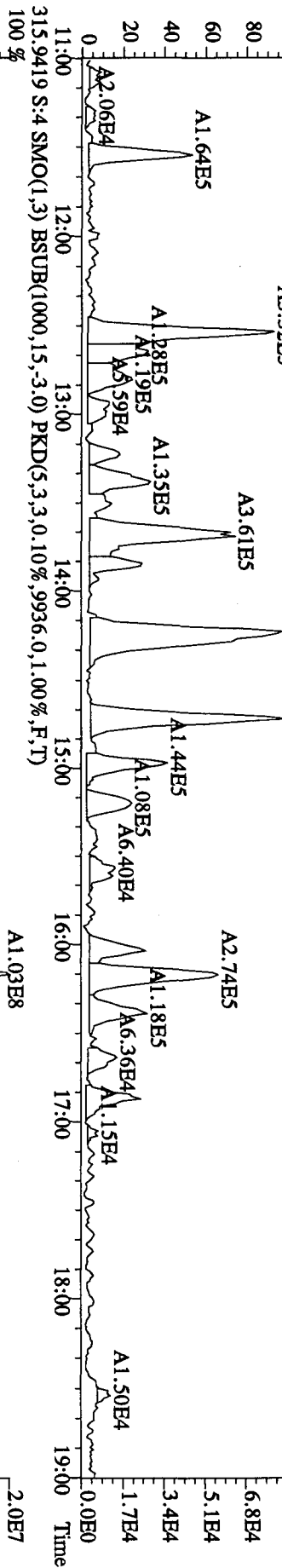
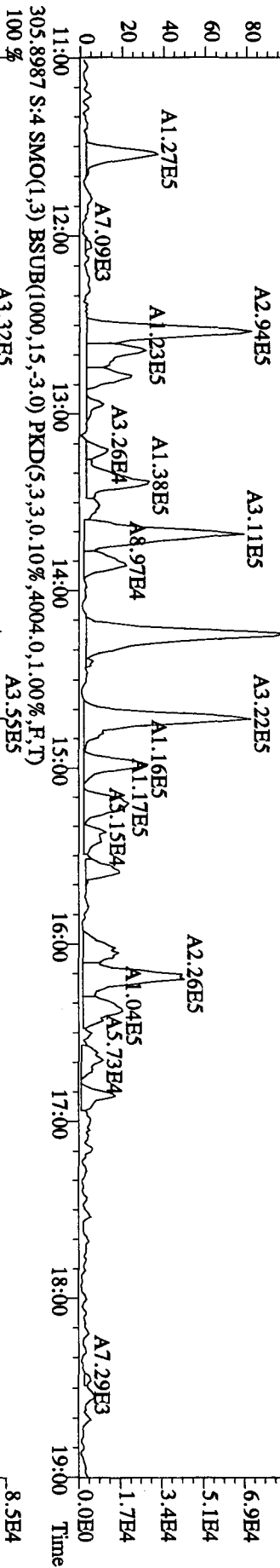


Run text: LXXKQ-1-AD Sample text: LXXKQ-1-AD :G0D140422-3
 Run #9 Filename: 28AP105D2 S: 4 I: 1 Results:
 Acquired: 28-APR-10 11:24:23 Processed: 28-APR-10 16:11:38
 Run: 21AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.22007g

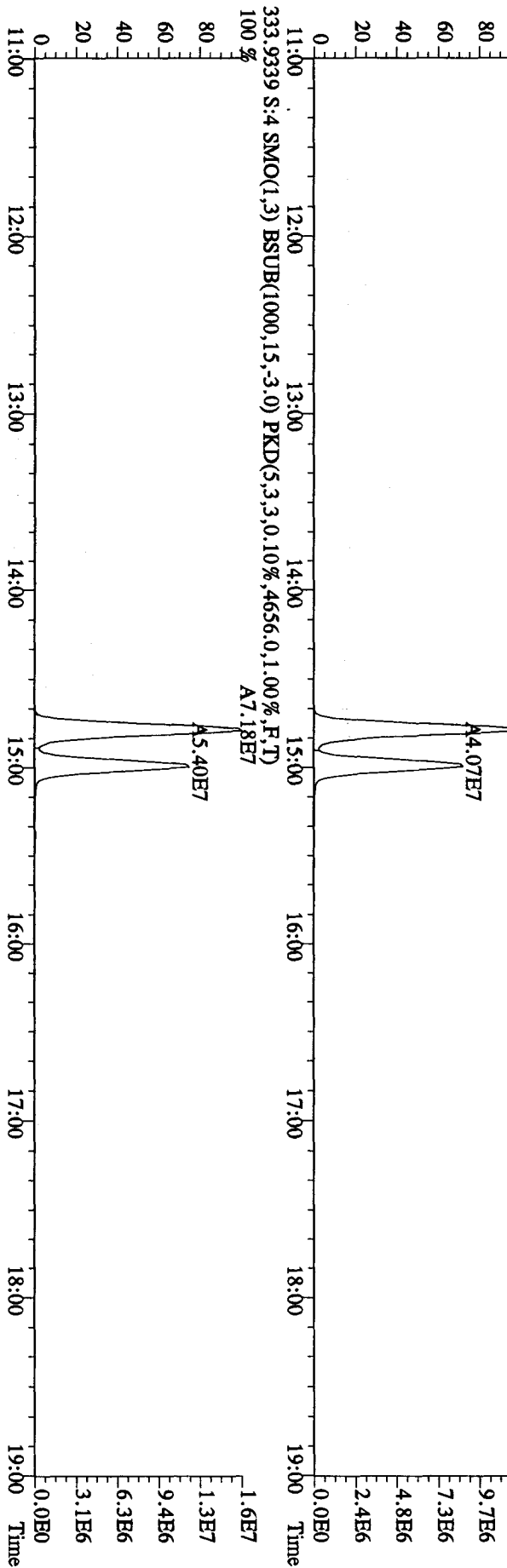
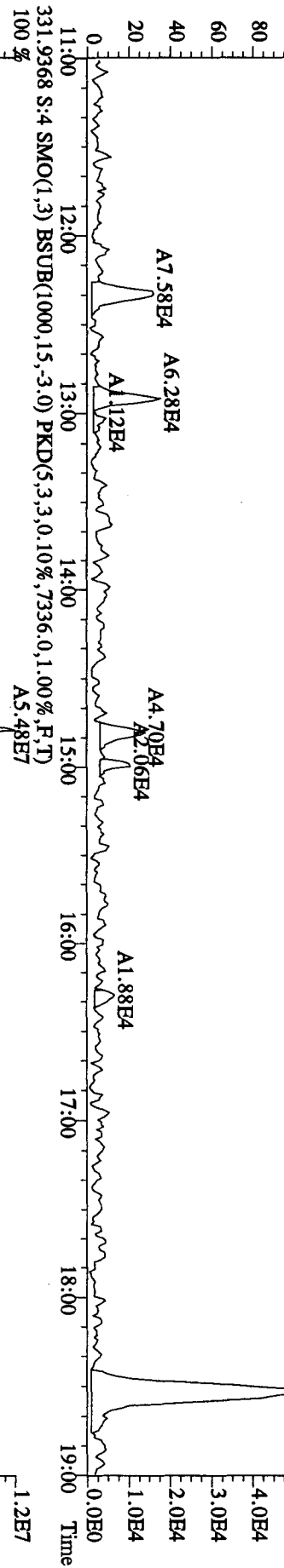
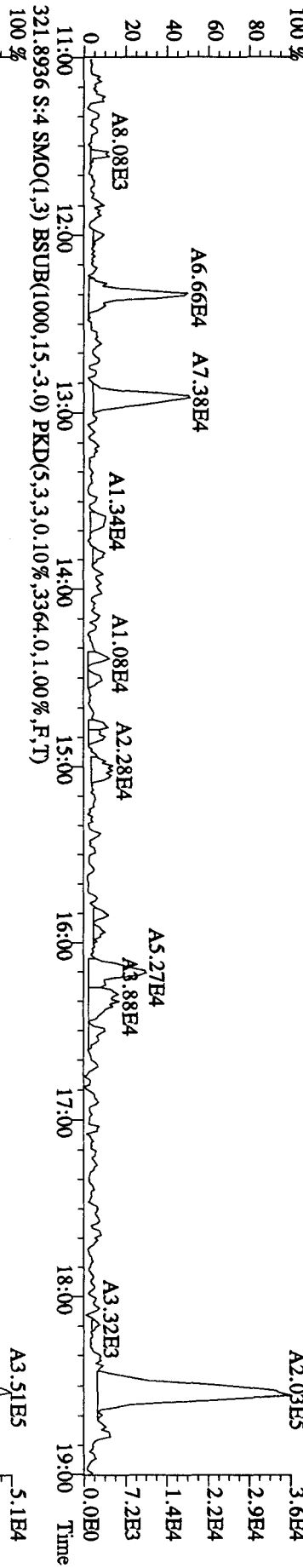
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	94612376	0.75 y	14:60	-	9.31	-	-	n
13C-2,3,7,8-TCDF	232697104	0.80 y	16:10	2.11	114.25	0.12	58.4	n
2,3,7,8-TCDF	500482	0.82 y	16:12	1.09	0.39 <i>S</i>	0.09	-	n
13C-2,3,7,8-TCDD	126658708	0.76 y	14:47	0.95	138.11	0.18	70.6	n
2,3,7,8-TCDD	22059	0.20 n	14:50	1.36	0.03	0.08	-	n
37Cl-2,3,7,8-TCDD	137321824	1.00 y	14:48	2.28	62.34	0.03	79.6	n

AK 4/29/10

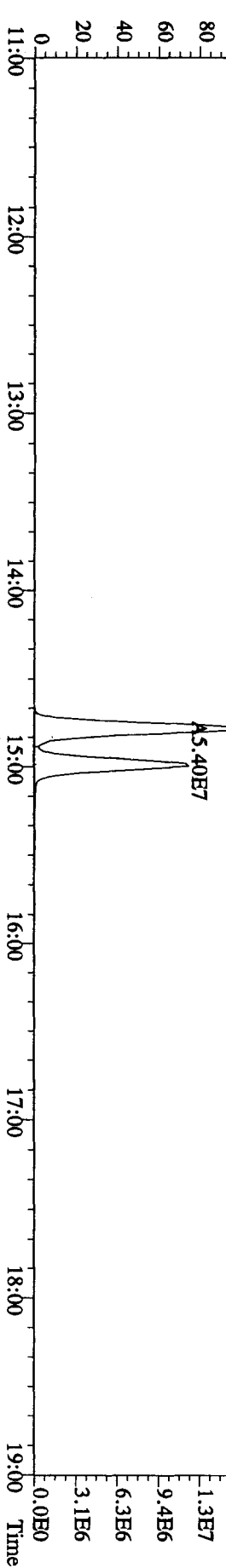
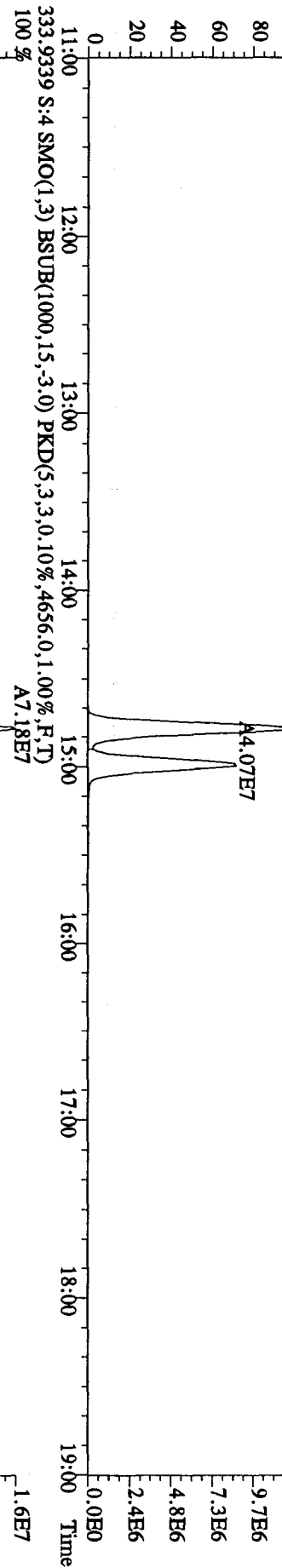
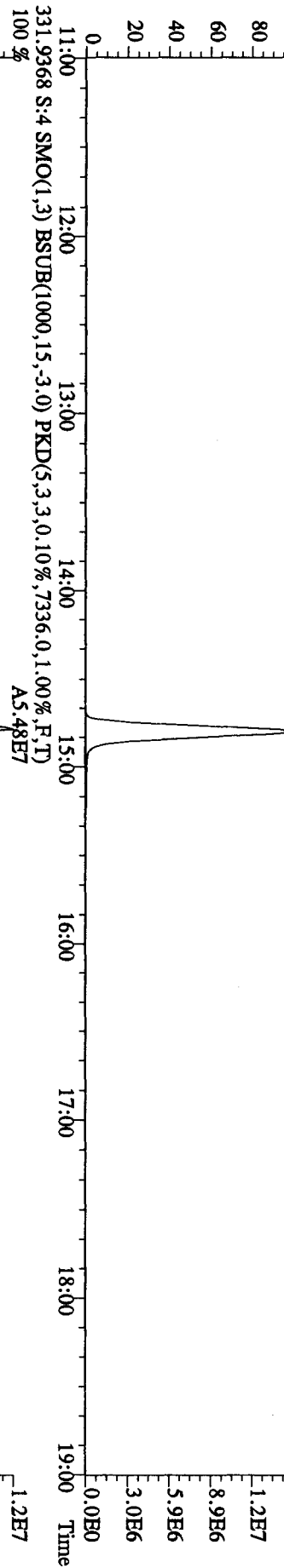
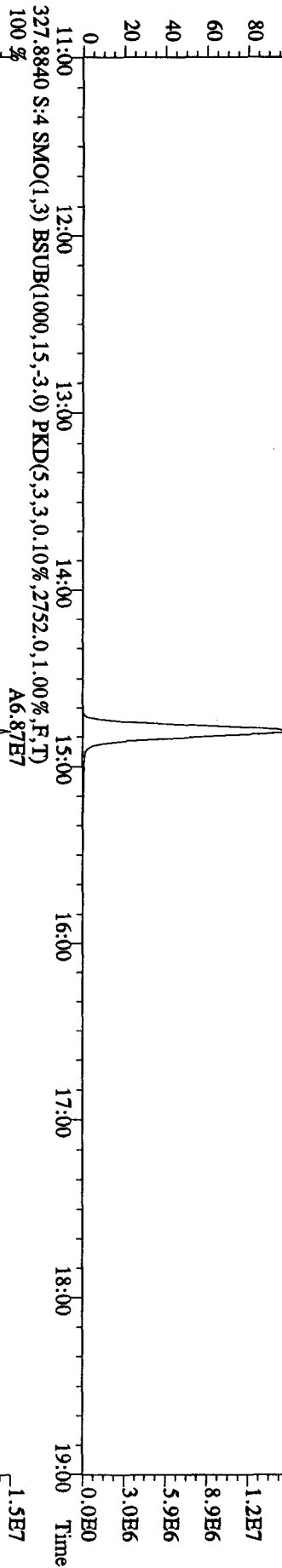
File:28AP105D2 #1-1242 Acq:28-APR-2010 11:24:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXXXQ-1-AD :GOD140422-3 Exp:DB225RES
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3036,0,1.00%,F,T)
 100% A3.98E5



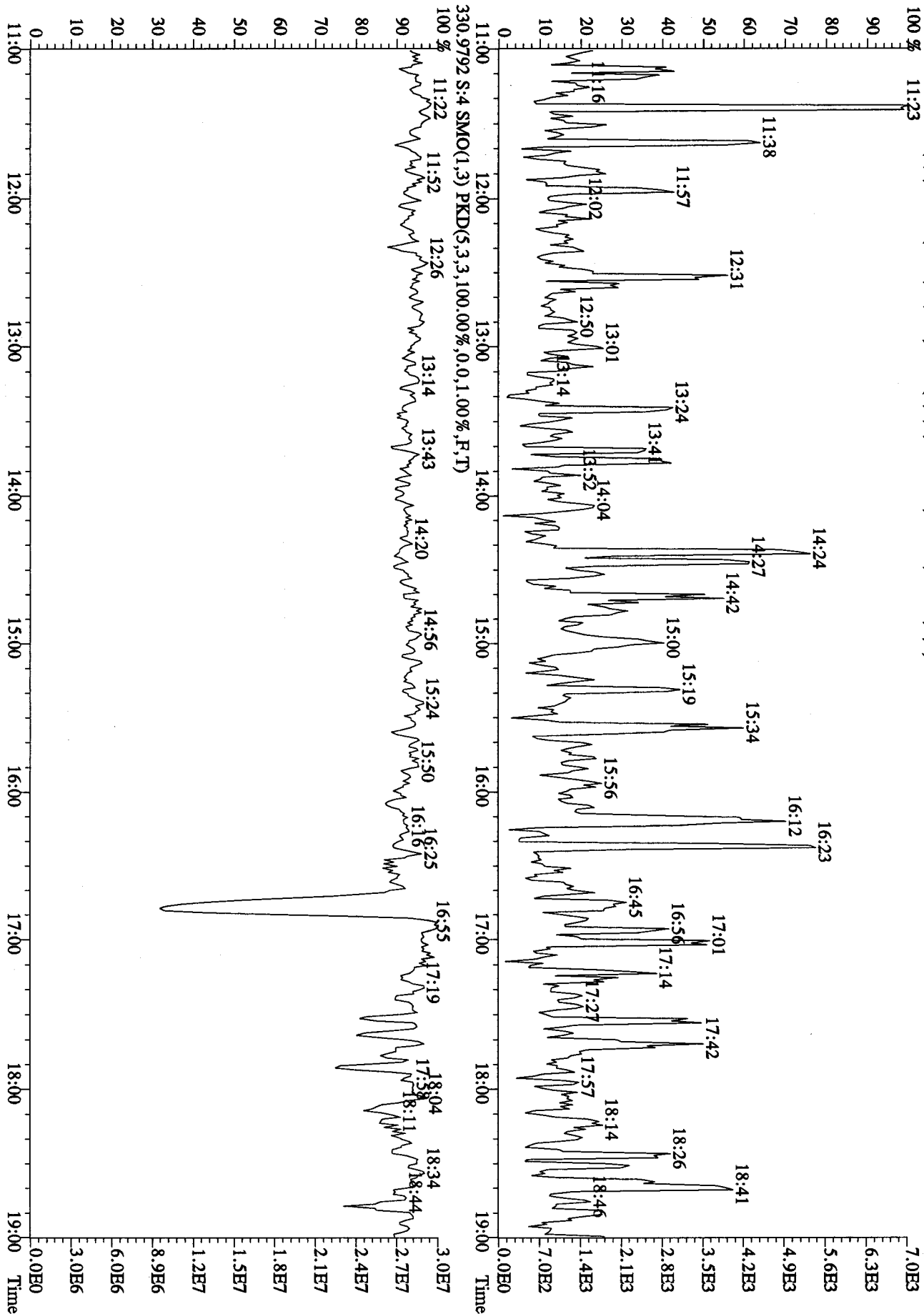
File:28AP105D2 #1-1242 Acq:28-APR-2010 11:24:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXXKQ-1-AD :G0D140422-3 Exp:DB225RES
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1928.0,1.00%,F,T)



File:28AP105D2 #1-1242 Acq:28-APR-2010 11:24:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXXXQ-1-AD :GOD140422-3 Exp:DB225RES
 327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T) A6.87E7
 100 %



File:28AP105D2 #1-1242 Acq:28-APR-2010 11:24:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXXXQ-1-AD :G0D140422-3 Exp:DB225RES
 375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1376.0,1.00%,F,T)



Run text: LXXKW-1-AD Sample text: LXXKW-1-AD :GOD140422-5
 Run #13 Filename: 27AP104D5 S: 10 I: 1 Results: 27ap104d58290a
 Acquired: 27-APR-10 18:29:36 Processed: 28-APR-10 10:30:24
 Run: 27AP104D5 Analyte: 8290AHR5 Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.21 g

AK
4/29/10

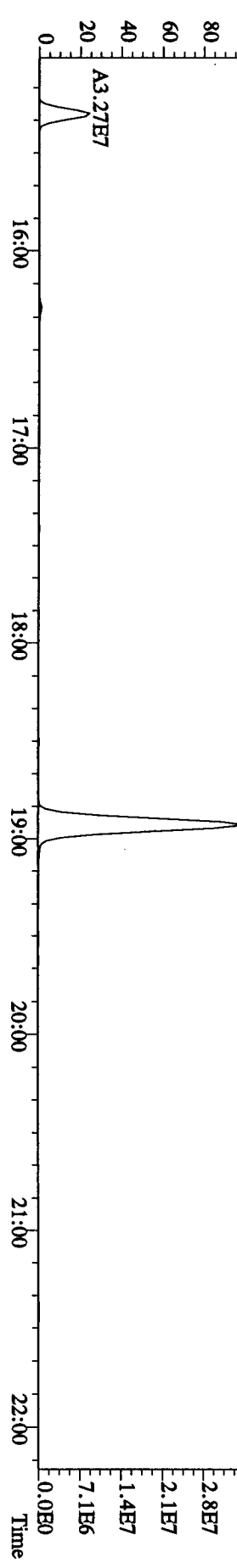
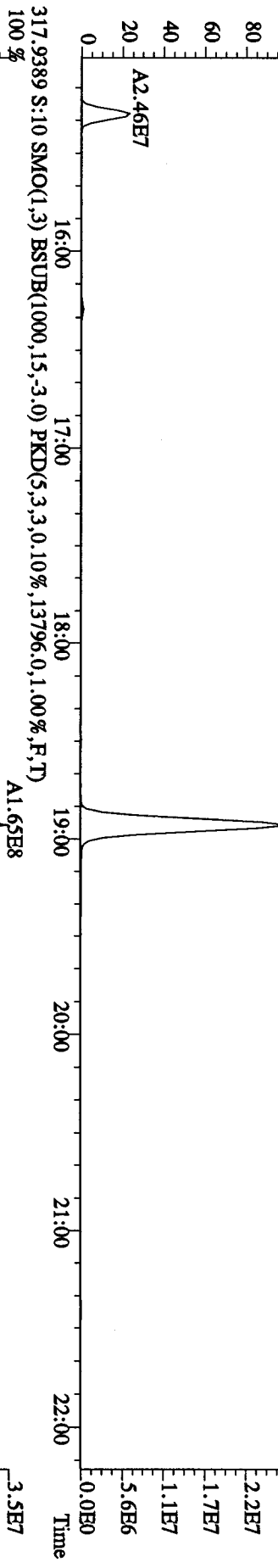
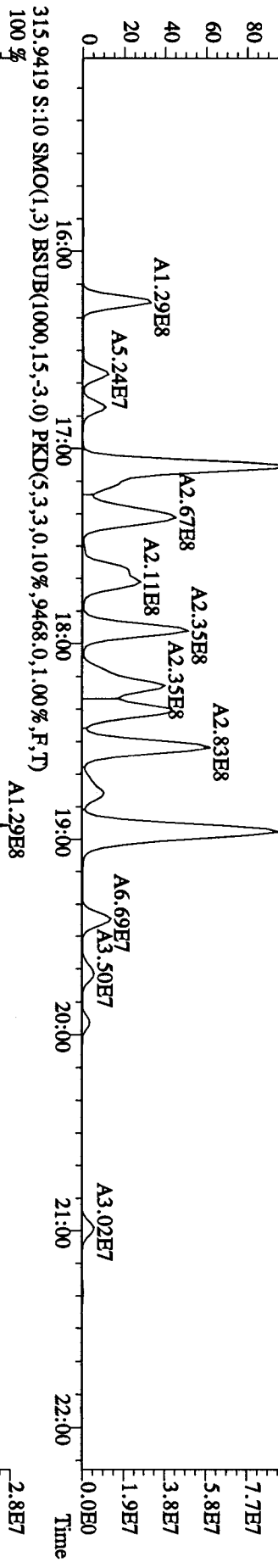
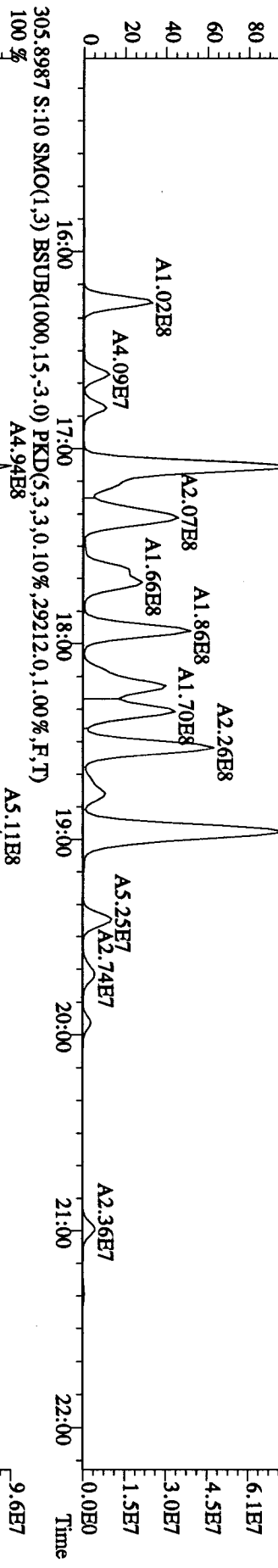
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	166224800	0.80 y	19:31	-	12.237	-	-	n
13C-2,3,7,8-TCDF	293986000	0.78 y	18:56	1.52	113.907	0.130	58.1	n
2,3,7,8-TCDF	921340000	0.80 y	18:58	0.95	649.412 <i>see 08225</i>	0.604	-	n
Total TCDF	5196017581	0.85 y	15:55	0.95	3662.443	0.604	-	n
13C-2,3,7,8-TCDD	216554300	0.79 y	19:42	0.95	134.358	0.122	68.6	n
2,3,7,8-TCDD	13078770	0.67 y	19:43	1.02	✓ 11.587	0.164	-	n
Total TCDD	353089707	0.76 y	17:15	1.02	312.816	0.164	-	n
37Cl-2,3,7,8-TCDD	246674000	1.00 y	19:43	2.26	64.275	0.147	82.0	n
13C-1,2,3,7,8-PeCDF	238174100	1.58 y	24:34	1.05	133.613	0.221	68.2	n
1,2,3,7,8-PeCDF	608033000	1.56 y	24:36	1.04	✓ 478.654	1.276	-	n
2,3,4,7,8-PeCDF	309439000	1.54 y	26:05	0.98	✓ 259.124	1.358	-	n
Total F2 PeCDF	4324846650	1.56 y	22:26	1.01	3502.972	1.316	-	n
Total F1 PeCDF	408356171	1.04 n	17:38	1.01	332.394	0.666	-	n
13C-1,2,3,7,8-PeCDD	161108400	1.55 y	26:53	0.67	141.585	0.034	72.3	n
1,2,3,7,8-PeCDD	28399800	1.56 y	26:54	0.98	✓ 35.166	0.550	-	n
Total PeCDD	269311820	1.52 y	23:16	0.98	333.475	0.550	-	n
13C-1,2,3,7,8,9-HxCDD	127576200	1.26 y	33:05	-	12.160	-	-	n
13C-1,2,3,4,7,8-HxCDF	135621000	0.51 y	31:55	1.02	101.594	0.611	51.9	n
1,2,3,4,7,8-HxCDF	345711000	1.15 y	31:55	1.21	✓ 411.781	14.260 <i>6</i>	-	y
1,2,3,6,7,8-HxCDF	598242000	1.21 y	32:03	1.34	✓ 643.497	12.877 <i>6</i>	-	y
2,3,4,6,7,8-HxCDF	113375700	1.25 y	32:37	1.22	✓ 133.977	14.147 <i>6</i>	-	y
1,2,3,7,8,9-HxCDF	95899100	1.21 y	33:16	1.09	✓ 126.790	15.828 <i>6</i>	-	y
Total HxCDF	3414333200	1.20 y	30:33	1.22	3998.399	14.282	-	y
13C-1,2,3,6,7,8-HxCDD	131090300	1.29 y	32:49	0.81	124.700	0.049	63.7	n
1,2,3,4,7,8-HxCDD	14915080	1.42 y	32:45	1.01	✓ 22.138	0.379	-	n
1,2,3,6,7,8-HxCDD	32701600	1.17 y	32:50	1.11	✓ 43.868	0.343	-	n
1,2,3,7,8,9-HxCDD	24288300	1.31 y	33:06	1.21	✓ 30.019	0.316	-	y
Total HxCDD	204814940	1.26 y	31:23	1.11	274.965	0.344	-	y
13C-1,2,3,4,6,7,8-HpCDF	97726700	0.44 y	34:36	0.86	86.979	0.406	44.4	n
1,2,3,4,6,7,8-HpCDF	1238167000	0.96 y	34:36	1.31	✓ 1894.983	1.102	-	n
1,2,3,4,7,8,9-HpCDF	472051000	0.97 y	35:44	1.03	✓ 922.545	1.408	-	n
Total HpCDF	2471799600	0.96 y	34:36	1.17	4124.800	1.236	-	n
13C-1,2,3,4,6,7,8-HpCDD	78673400	1.06 y	35:25	0.70	86.595	0.217	44.2	n
1,2,3,4,6,7,8-HpCDD	64518800	1.04 y	35:25	1.07	✓ 149.874	0.555	-	n
Total HpCDD	97154224	0.30 n	34:30	1.07	225.685	0.555	-	n
13C-OCDD	68370700	0.92 y	37:54	0.53	98.779	0.330	25.2	n
OCDF	1525835000	0.89 y	38:01	1.45	6049.194 <i>✓</i>	0.252	-	n

OCDD 47569500 0.90 y 37:55 1.17 $\sqrt{233.723}$ 1.066 - n

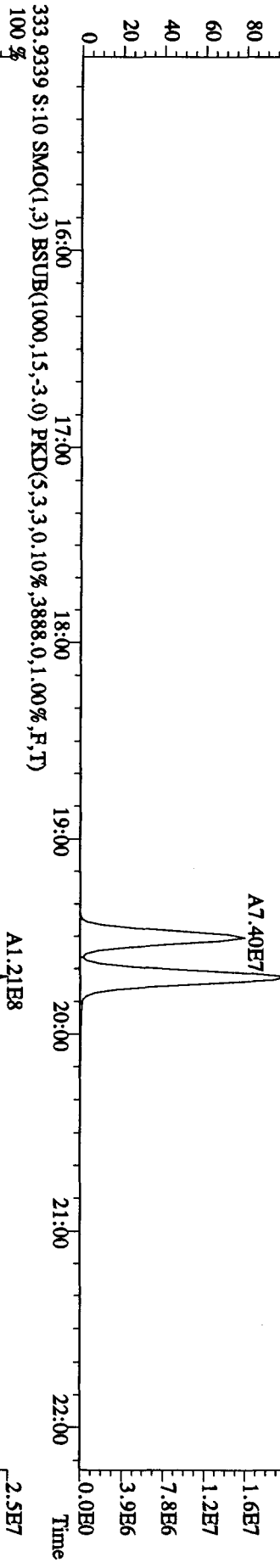
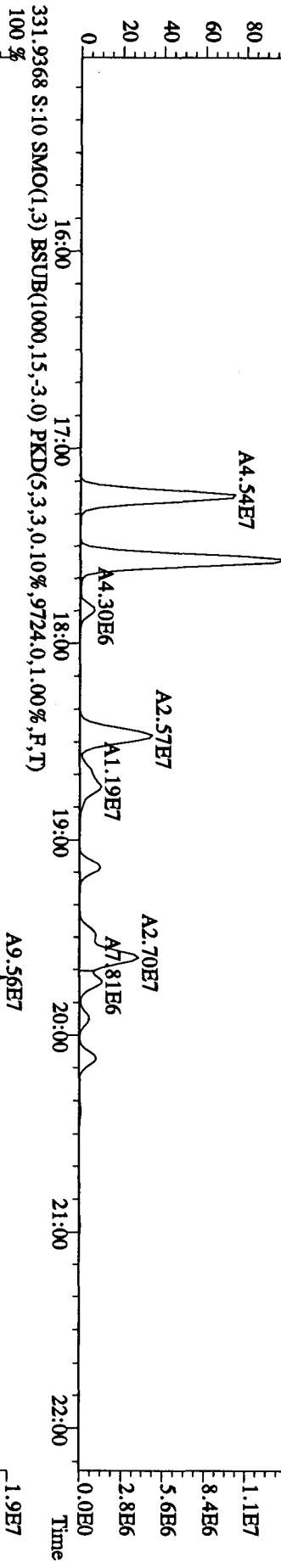
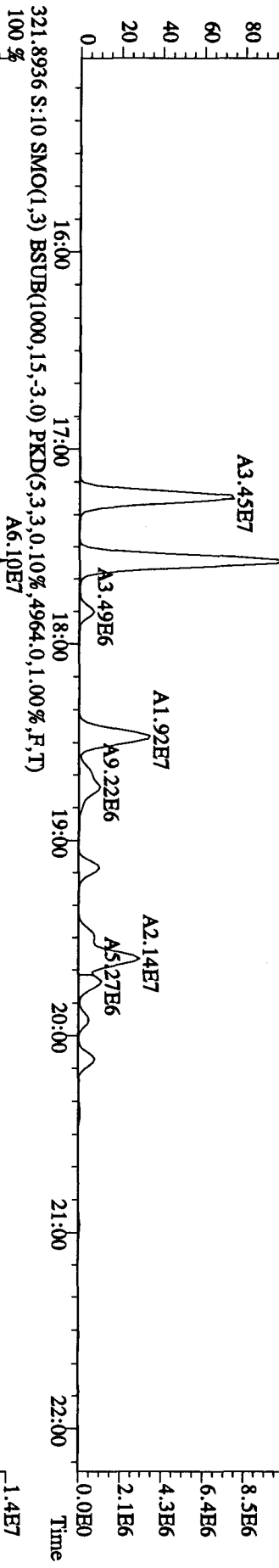
Run text: LXXKW-1-AD Sample text: LXXKW-1-AD :G0D140422-5
 Run #13 Filename: 27AP104D5 S: 10 I: 1 Results: 27AP104D58290A
 Acquired: 27-APR-10 18:29:36 Processed: 28-APR-10 10:30:24
 Run: 27AP104D5 Analyte: 8290AHS Cal: 8290A0412104D5
 Sample size: 10.21 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	166224800	0.80 y	19:31	-	12.2374	-	-	n
13C-2,3,7,8-TCDF	293986000	0.78 y	18:56	1.52	113.9071	0.1303	58.1	n
2,3,7,8-TCDF	921340000	0.80 y	18:58	0.95	649.4119	0.6044	-	n
Total TCDF	5196017581	0.85 y	15:55	0.95	3662.4435	0.6044	-	n
13C-2,3,7,8-TCDD	216554300	0.79 y	19:42	0.95	134.3583	0.1221	68.6	n
2,3,7,8-TCDD	13078770	0.67 y	19:43	1.02	11.5870	0.1637	-	n
Total TCDD	353089707	0.76 y	17:15	1.02	312.8159	0.1637	-	n
37Cl-2,3,7,8-TCDD	246674000	1.00 y	19:43	2.26	64.2753	0.1473	82.0	n
13C-1,2,3,7,8-PeCDF	238174100	1.58 y	24:34	1.05	133.6132	0.2205	68.2	n
1,2,3,7,8-PeCDF	608033000	1.56 y	24:36	1.04	478.6538	1.2762	-	n
2,3,4,7,8-PeCDF	309439000	1.54 y	26:05	0.98	259.1236	1.3576	-	n
Total F2 PeCDF	4324846650	1.56 y	22:26	1.01	3502.9724	1.3157	-	n
Total F1 PeCDF	408356171	1.04 n	17:38	1.01	331.3943	0.0660	-	n
13C-1,2,3,7,8-PeCDD	161108400	1.55 y	26:53	0.67	141.5854	0.0339	72.3	n
1,2,3,7,8-PeCDD	28399800	1.56 y	26:54	0.98	35.1660	0.5502	-	n
Total PeCDD	269311820	1.52 y	23:16	0.98	333.4753	0.5502	-	n
13C-1,2,3,7,8,9-HxCDD	127576200	1.26 y	33:05	-	12.1600	-	-	n
13C-1,2,3,4,7,8-HxCDF	135621000	0.51 y	31:55	1.02	101.5935	0.6109	51.9	n
1,2,3,4,7,8-HxCDF	865656000	1.21 y	31:56	1.21	1031.0945	14.2597	-	n
1,2,3,6,7,8-HxCDF	594201000	1.21 y	32:03	1.34	639.1505	12.8773	-	n
2,3,4,6,7,8-HxCDF	320462000	1.21 y	32:33	1.22	378.6913	14.1470	-	n
1,2,3,7,8,9-HxCDF	142104256	2.07 n	33:20	1.09	187.8784	15.8280	-	n
Total HxCDF	3873910756	1.20 y	30:33	1.22	4551.8687	14.2021	-	n
13C-1,2,3,6,7,8-HxCDD	131090300	1.29 y	32:49	0.81	124.6996	0.0492	63.7	n
1,2,3,4,7,8-HxCDD	14915080	1.42 y	32:45	1.01	22.1379	0.3793	-	n
1,2,3,6,7,8-HxCDD	32701600	1.17 y	32:50	1.11	43.8684	0.3428	-	n
1,2,3,7,8,9-HxCDD	34309400	1.27 y	33:06	1.21	42.4043	0.3158	-	n
Total HxCDD	214836040	1.26 y	31:23	1.11	287.3508	0.3440	-	n
13C-1,2,3,4,6,7,8-HpCDF	97726700	0.44 y	34:36	0.86	86.9788	0.4062	44.4	n
1,2,3,4,6,7,8-HpCDF	1238167000	0.96 y	34:36	1.31	1894.9835	1.1023	-	n
1,2,3,4,7,8,9-HpCDF	472051000	0.97 y	35:44	1.03	922.5447	1.4075	-	n
Total HpCDF	2471799600	0.96 y	34:36	1.17	4124.8796	1.2363	-	n
13C-1,2,3,4,6,7,8-HpCDD	78673400	1.06 y	35:25	0.70	86.5947	0.2170	44.2	n
1,2,3,4,6,7,8-HpCDD	64518800	1.04 y	35:25	1.07	149.8743	0.5546	-	n
Total HpCDD	97154224	0.30 n	34:30	1.07	225.6849	0.5546	-	n
13C-OCDD	68370700	0.92 y	37:54	0.53	98.7788	0.3296	25.2	n
OCDF	1525835000	0.89 y	38:01	1.45	6049.1939	0.2516	-	n
OCDD	47569500	0.90 y	37:55	1.17	233.7227	1.0658	-	n

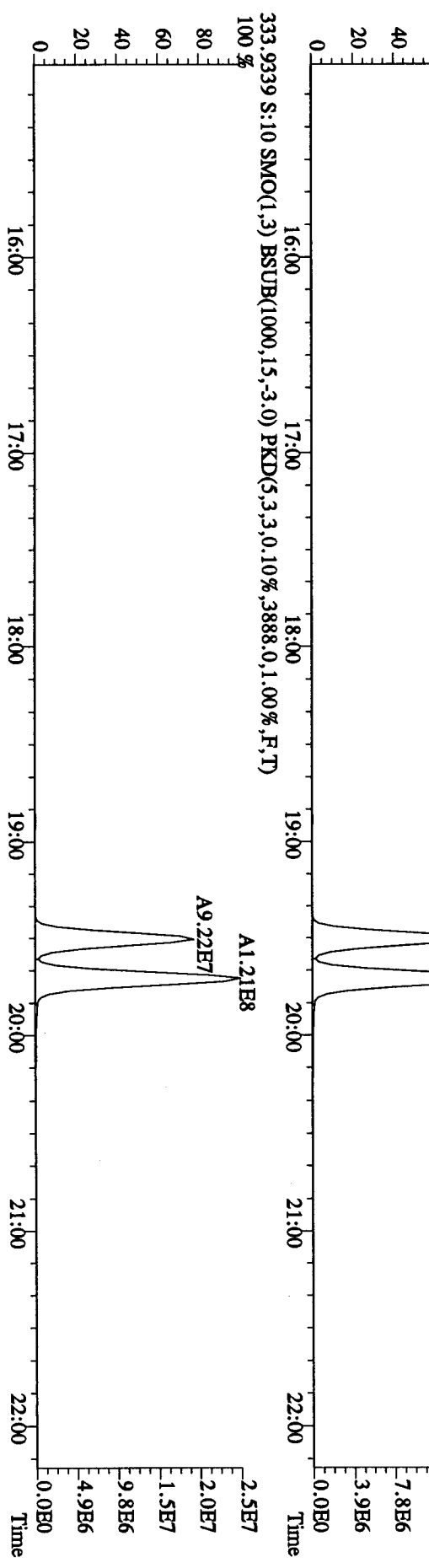
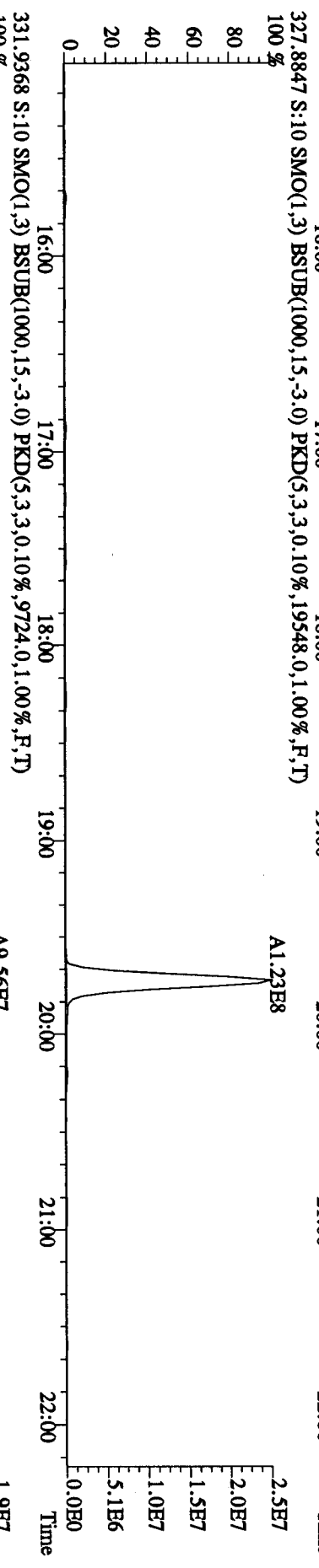
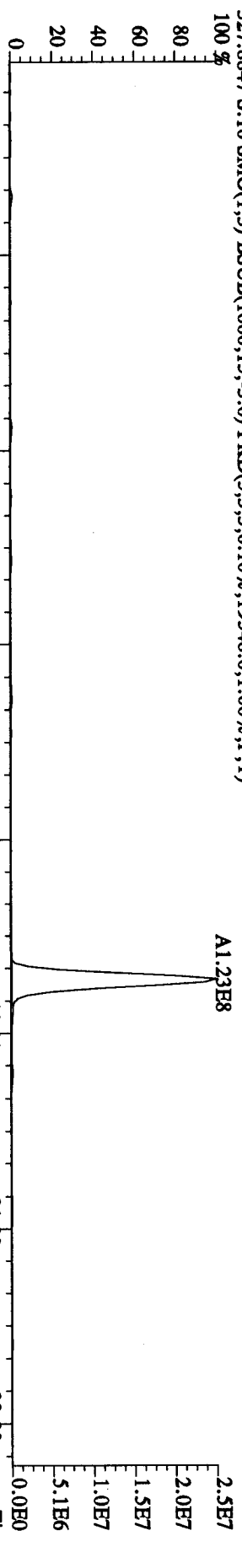
File:27AP104D5 #1-435 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#10 Text:LXXKW-1-AD :G0D140422-5 Exp:DIOXINRES8290A
 303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32364.0,1.00%,F,T)
 100%



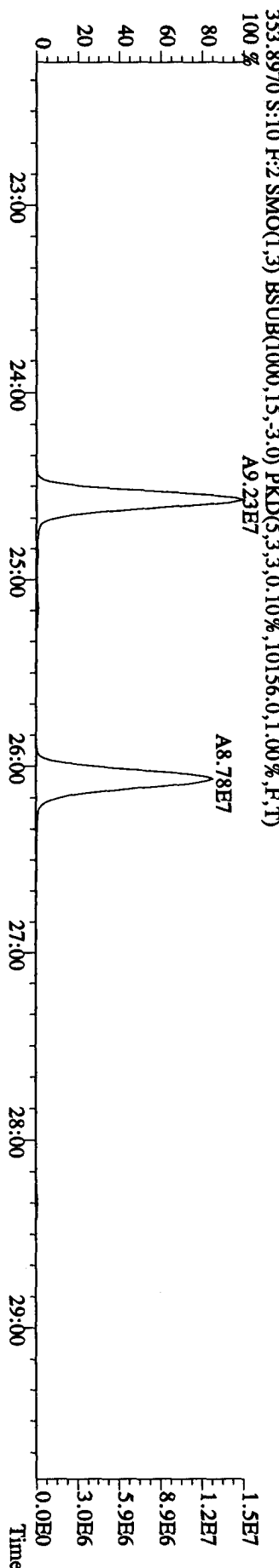
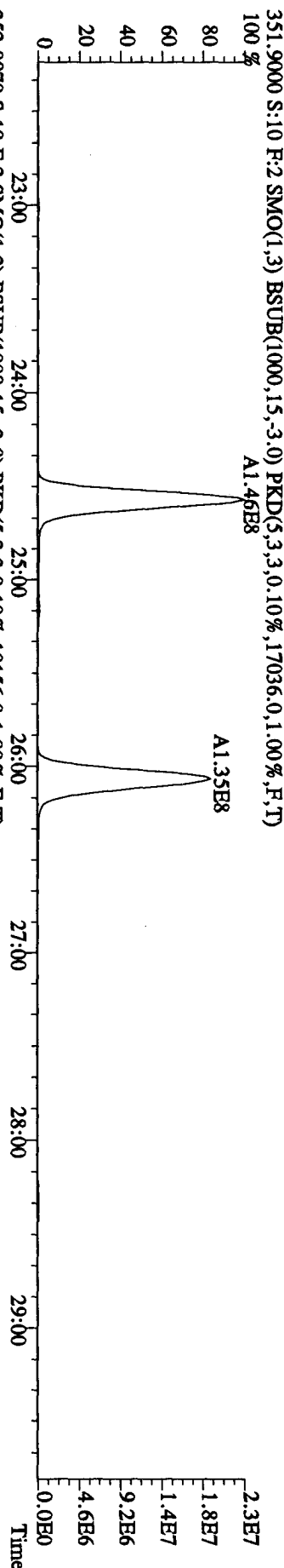
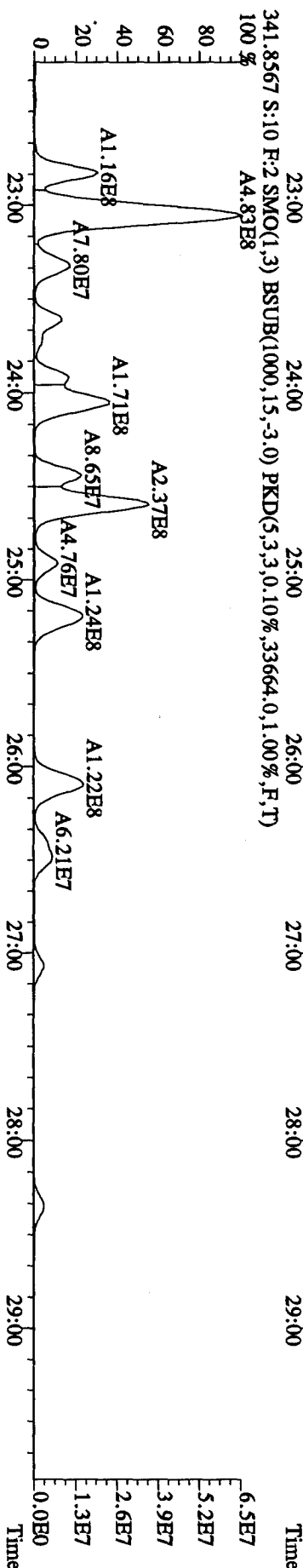
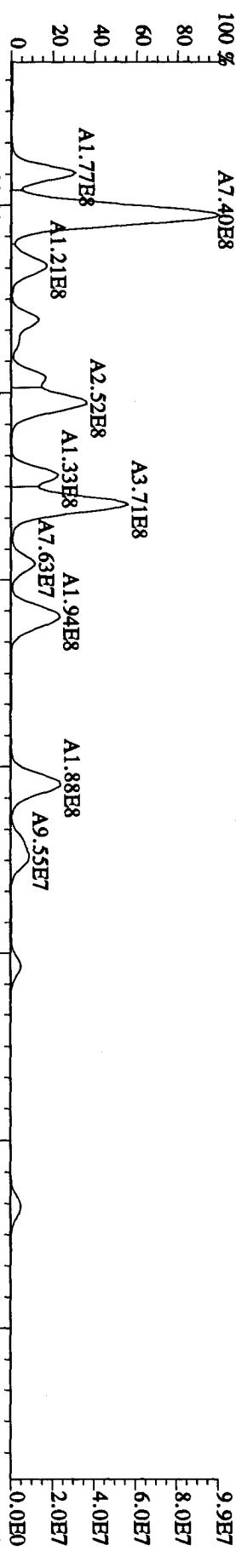
File:27AP104D5 #1-435 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 Text:LXXKW-1-AD :G0D140422-5 Exp:DIOXINRES8290A
 319.8965 S:10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7556,0,1,00%,F,T)



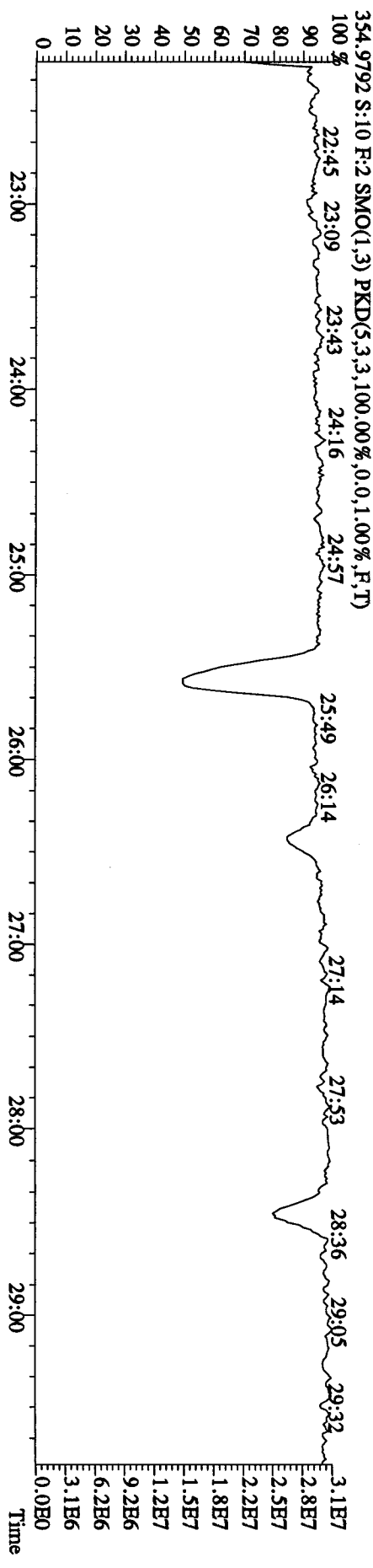
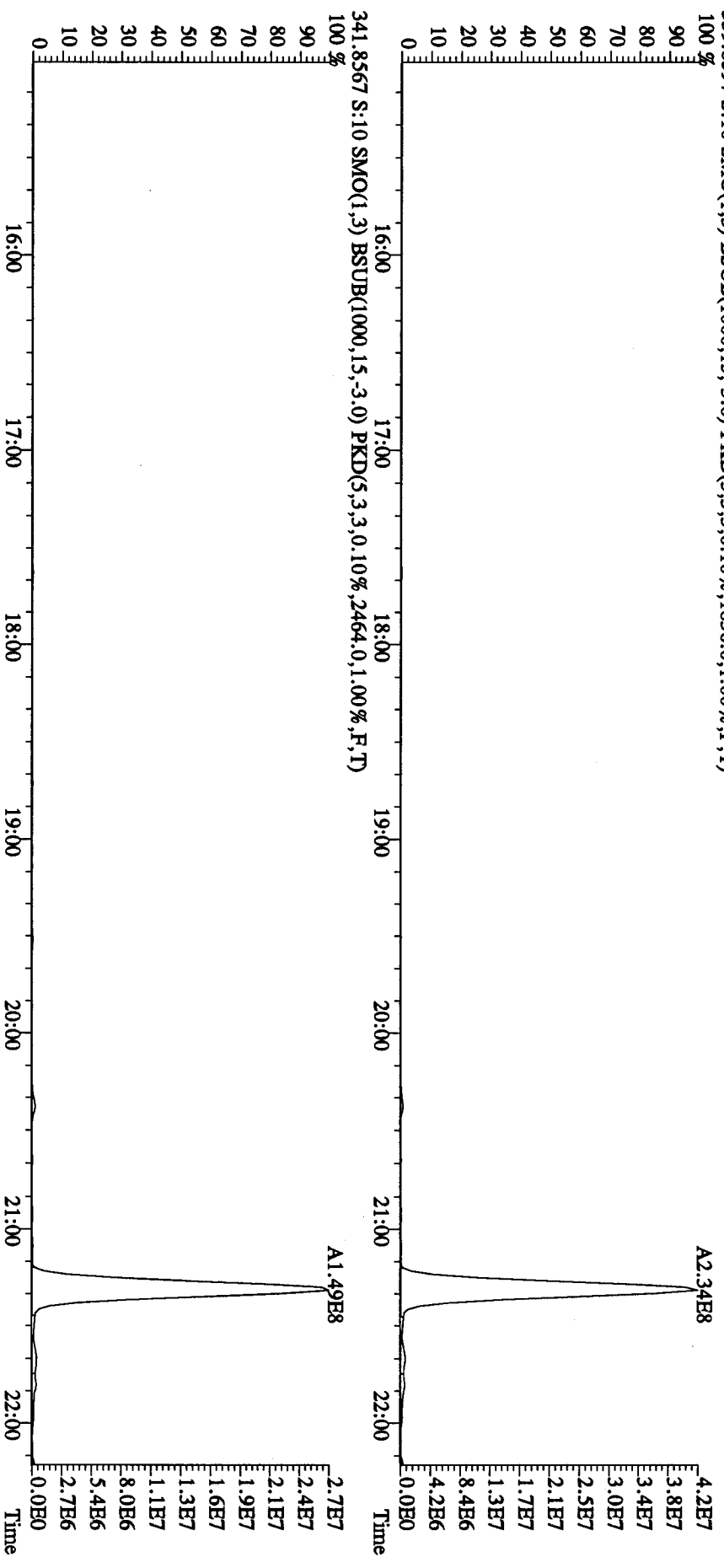
File:27AP104D5 #1-435 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 Text:LXXKW-1-AD :G0D140422-5 Exp:DIOXINRES8290A
 327.8847 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19548,0,1.00%,F,T)
 100 %



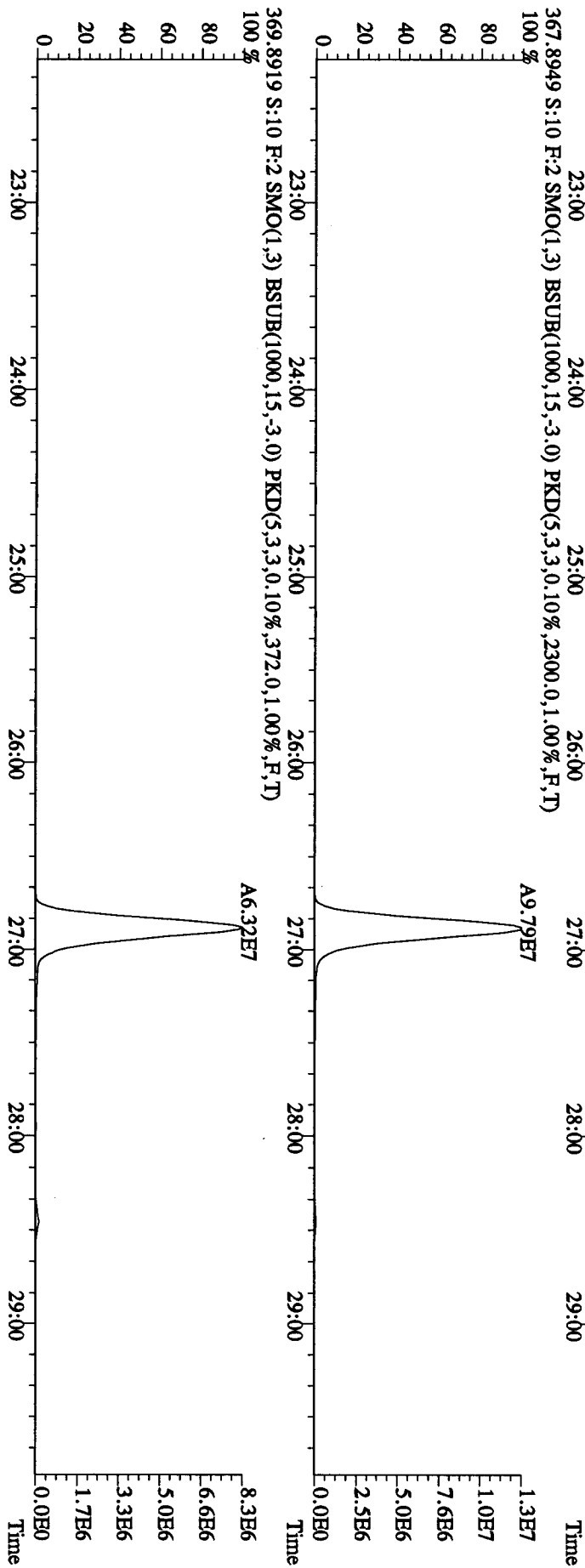
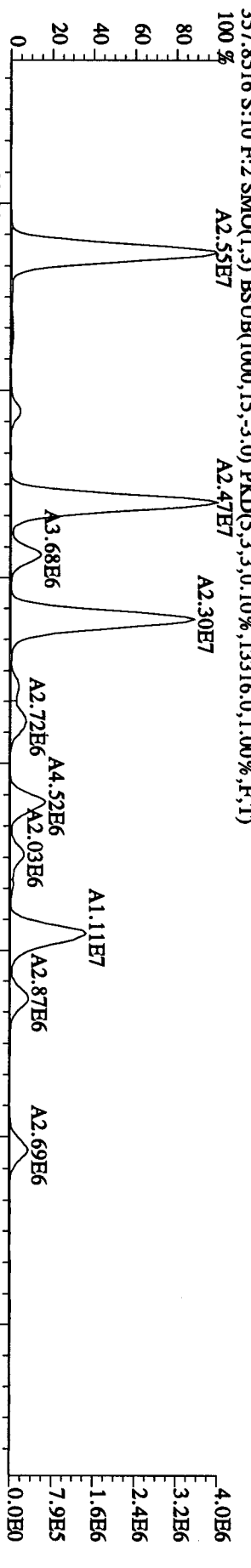
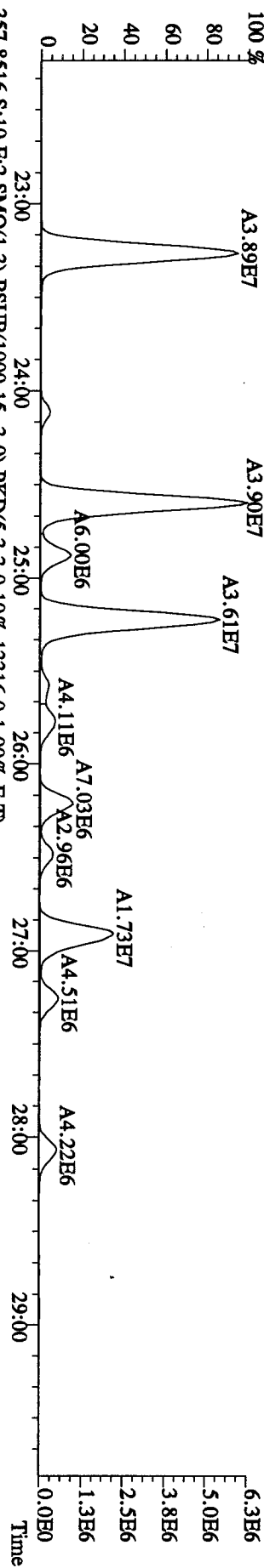
File:27AP104D5 #1-604 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#10 Text:LXXKW-1-AD :GOD140422-5 Exp:DIOXINRES8290A
 339.8597 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52116.0,1.00%,F,T)
 100 % A7.40E8



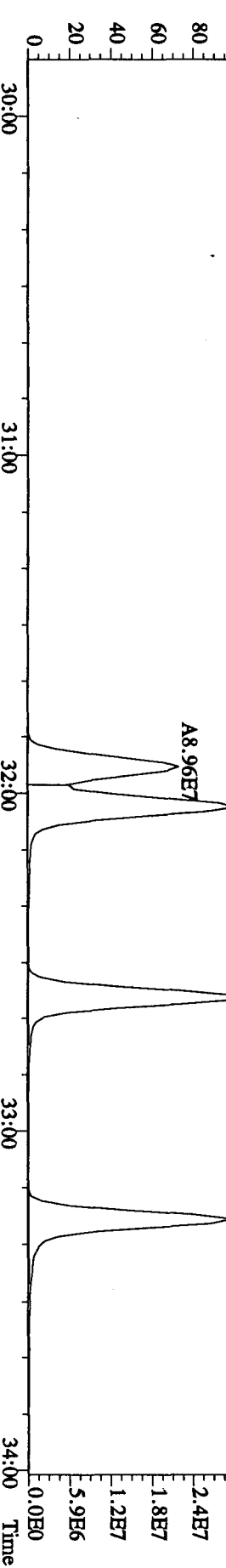
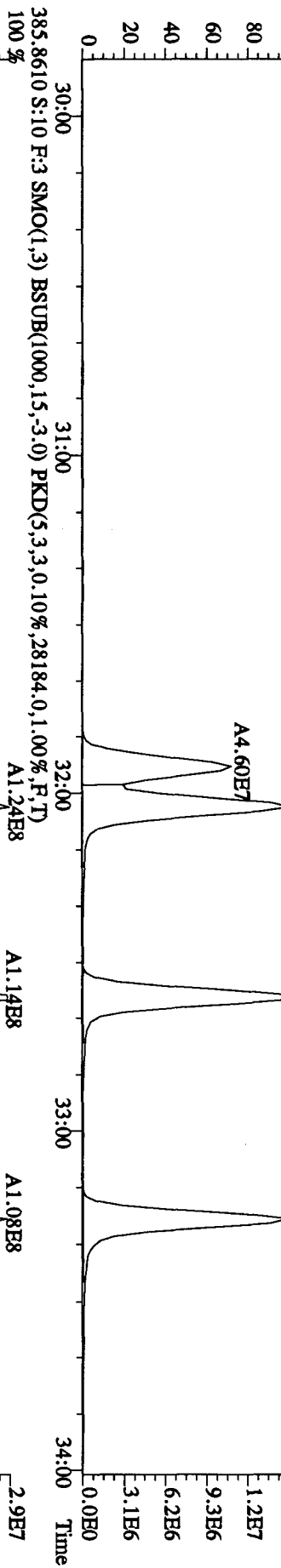
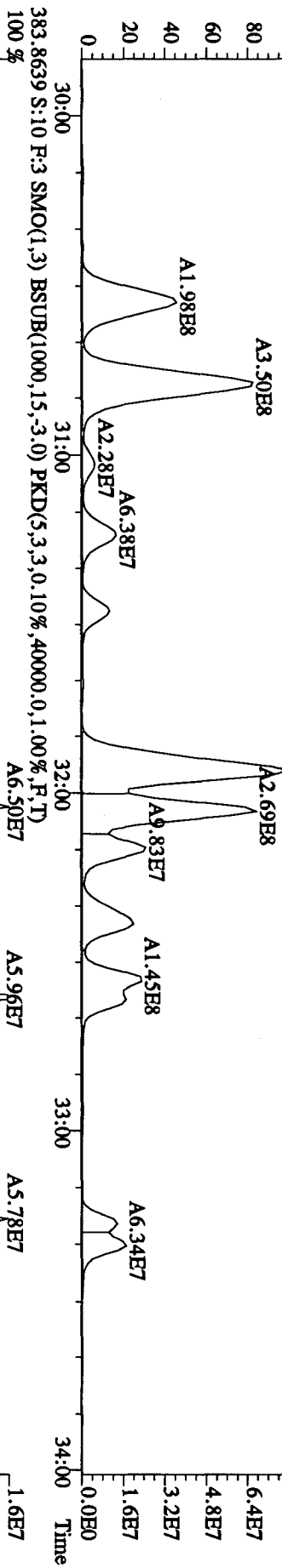
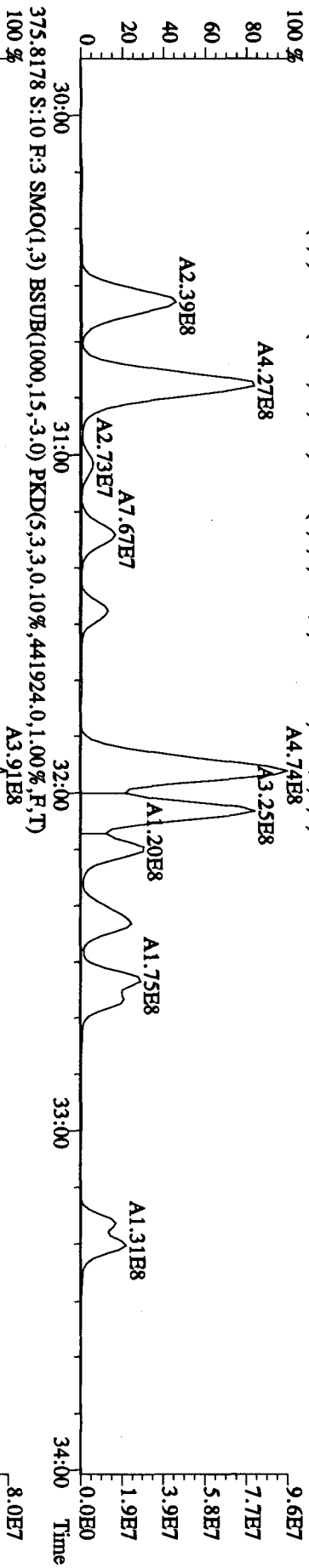
File:27AP104D5 #1-435 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 Text:LXXXKW-1-AD :G0D140422-5 Exp:DIOXINRES8290A
 339.8597 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1836.0,1.00%,F,T)



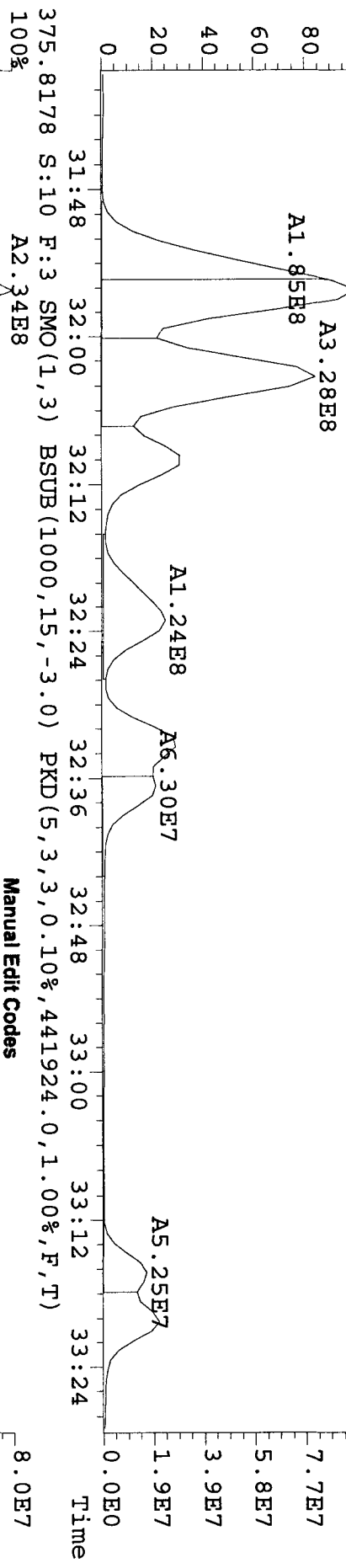
File:27AP104D5 #1-604 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 Text:LXXKW-1-AD :G0D140422-5 Exp:DIOXINRES8290A
 355.8546 S:10 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5904.0,1.00%,F,T)



File:27AP104D5 #1-317 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#10 Text:LXKKW-1-AD :GOD140422-5 Exp:DIOXINRESS8290A
 373.8208 S:10 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,521040,0,1,00%,F,T) A4.74E8

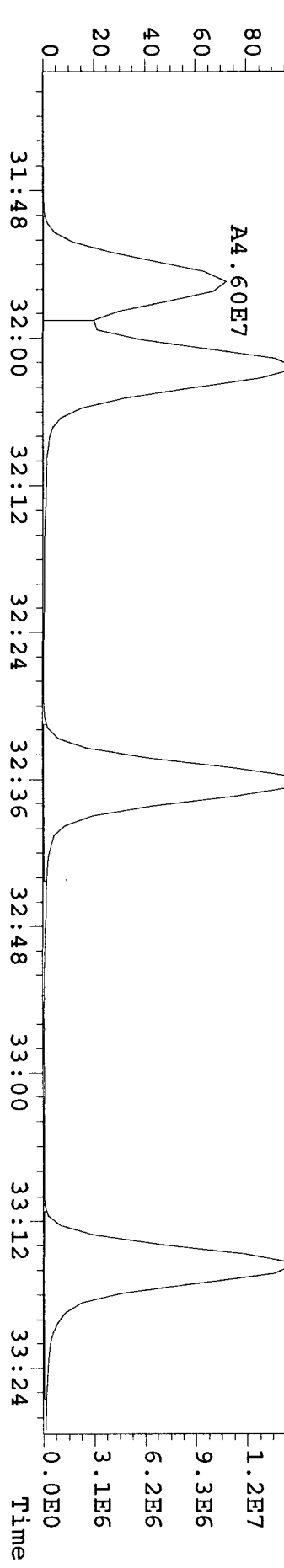
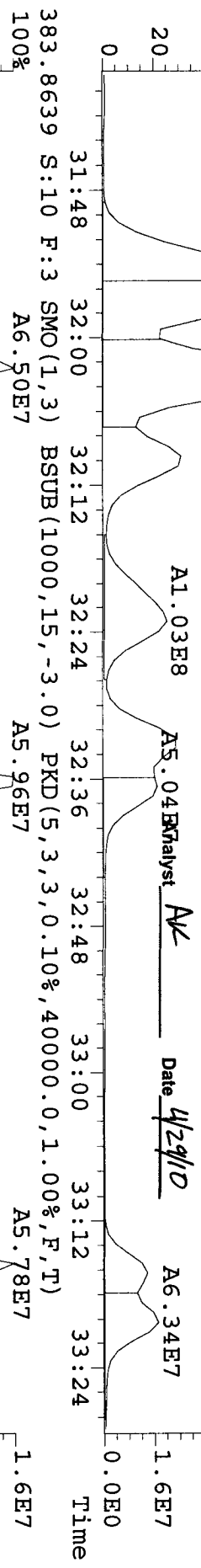


File: 27API04D5 #1-317 Acq: 27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#10 Text: LXXKW-1-AD :GDD140422-5 Exp: DIOXINRES8290A
 373.8208 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,521040.0,1.00%,F,T)
 100% A2.93E8

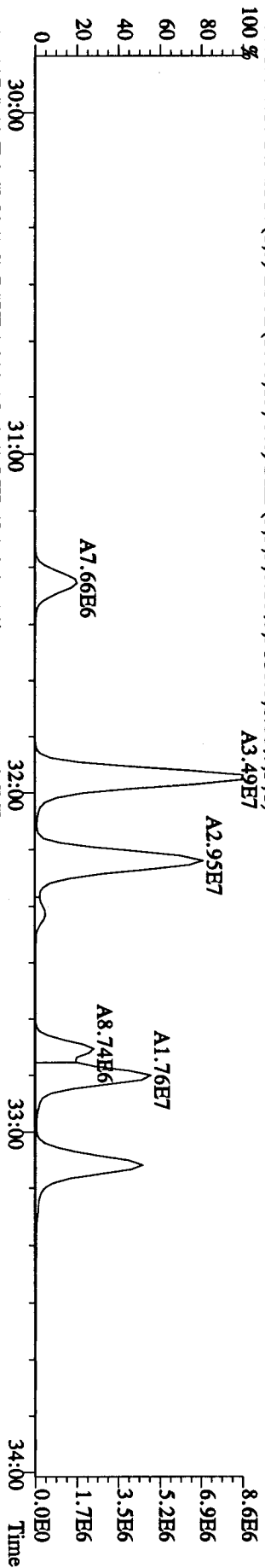


Manual Edit Codes

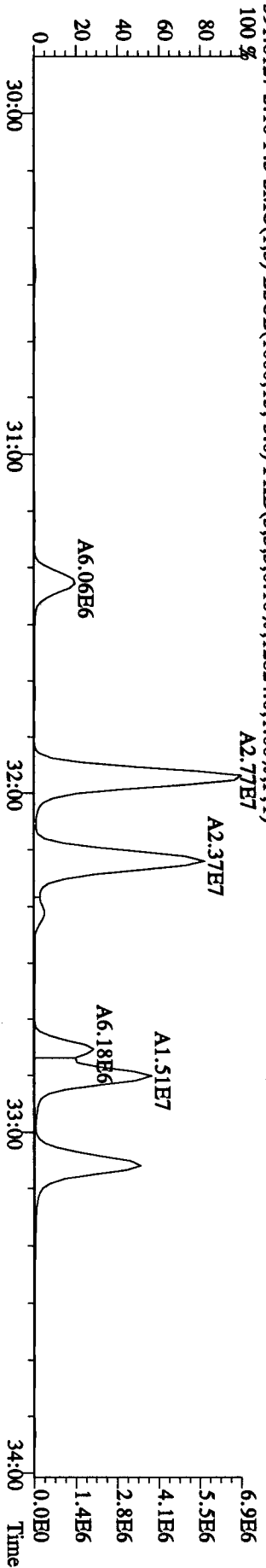
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other



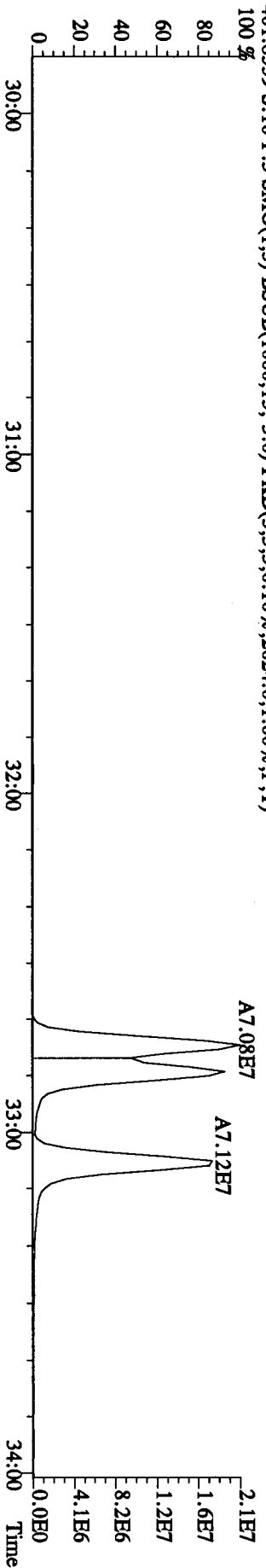
389.8157 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9116.0,1.00%,F,T)



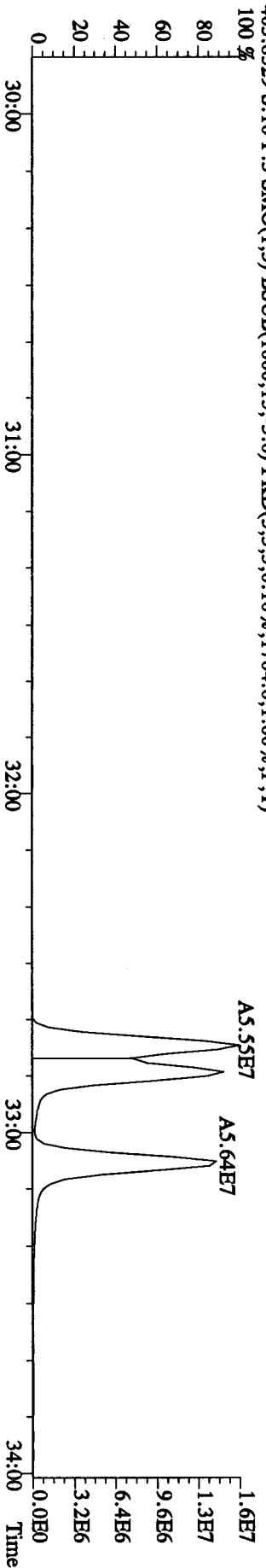
391.8127 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12824.0,1.00%,F,T)



401.8559 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2624.0,1.00%,F,T)

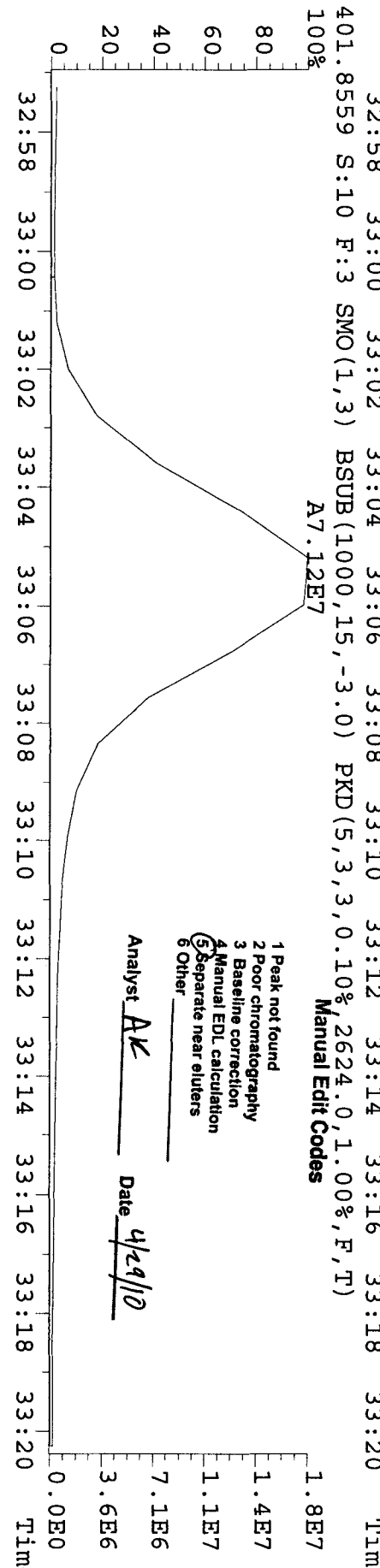
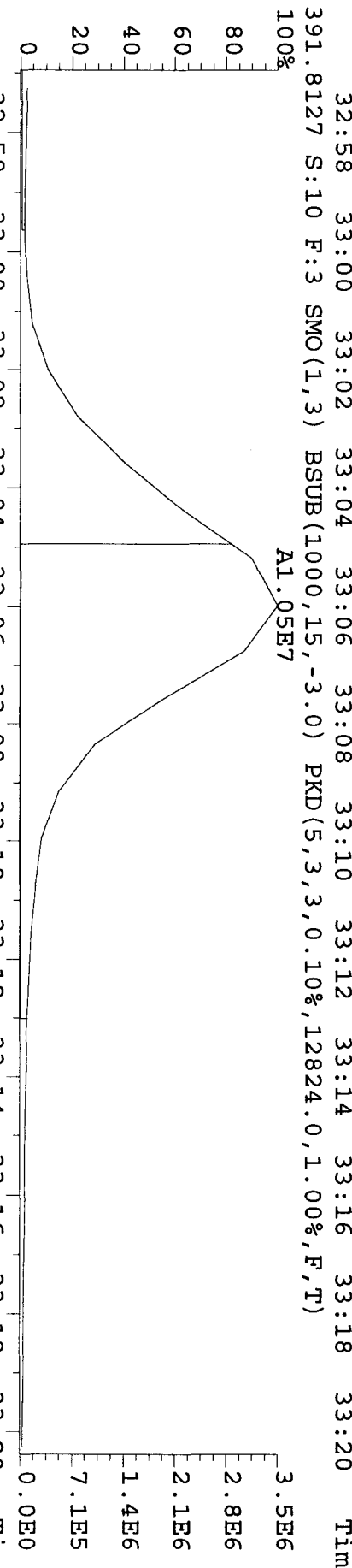
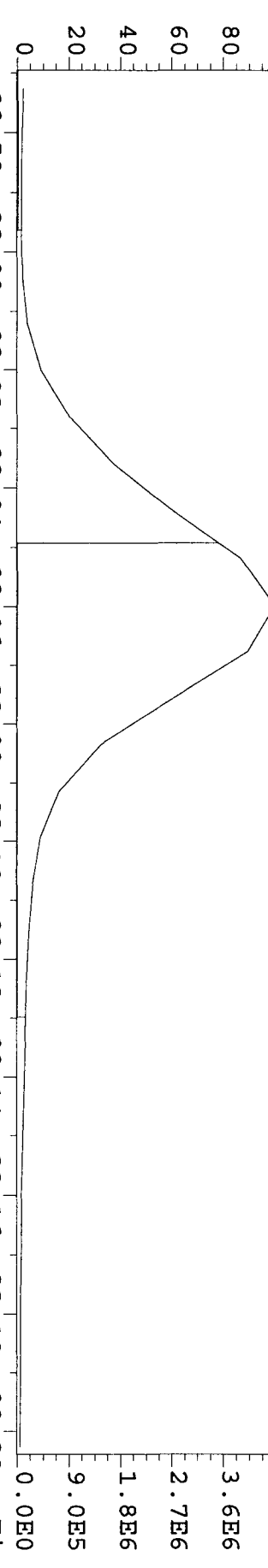


403.8529 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1704.0,1.00%,F,T)



File: 27API04D5 #1-317 Acq: 27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimae

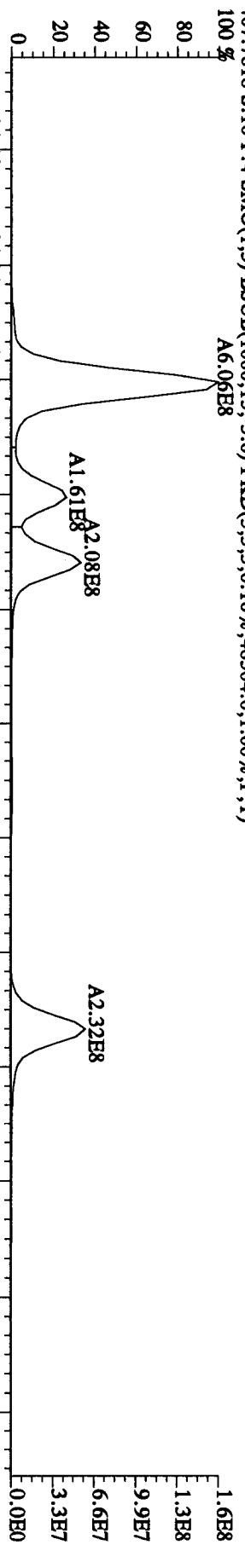
Sample#10 Text: LXXKW-1-AD : GOD140422-5 Exp: DIOXINRES8290A



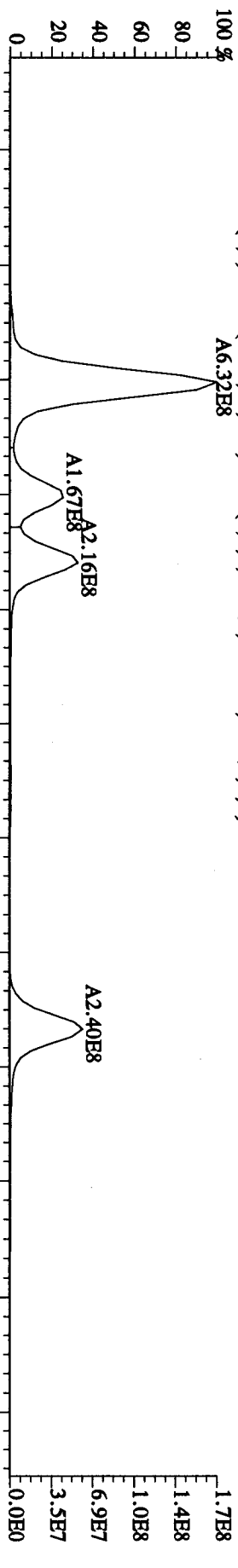
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 4/29/10

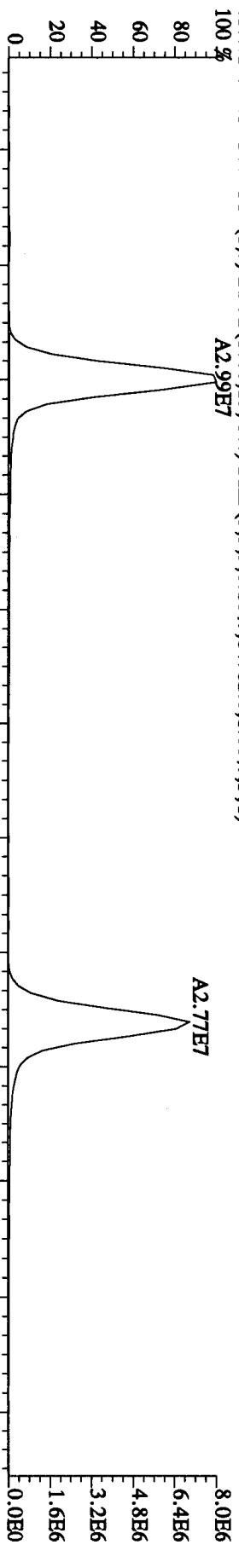
File: 27AP104D5 #1-198 Acq: 27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 Text: LXXXK-1-AD :G0D140422-5 Exp: DIOXINRES8290A
 407.7818 S:10 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,48504.0,1.00%,F,T)
 100 %



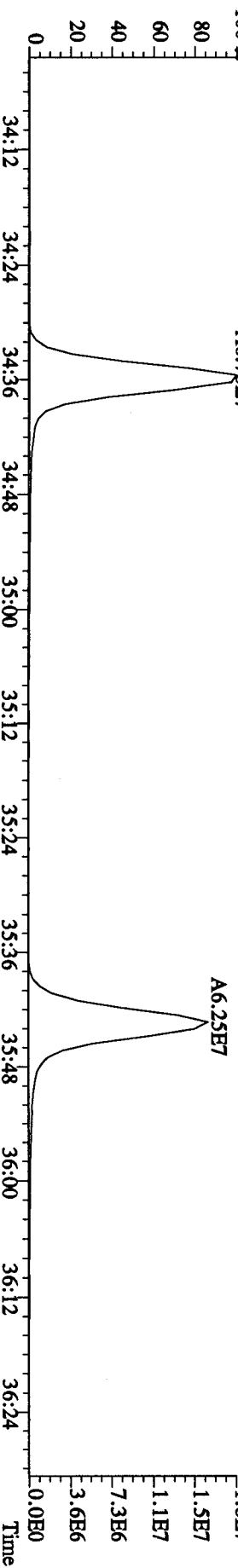
409.7789 S:10 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15836.0,1.00%,F,T)
 100 %



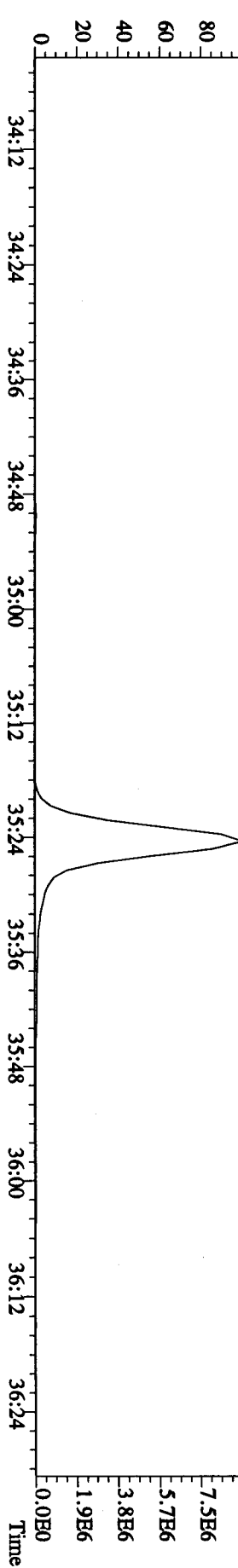
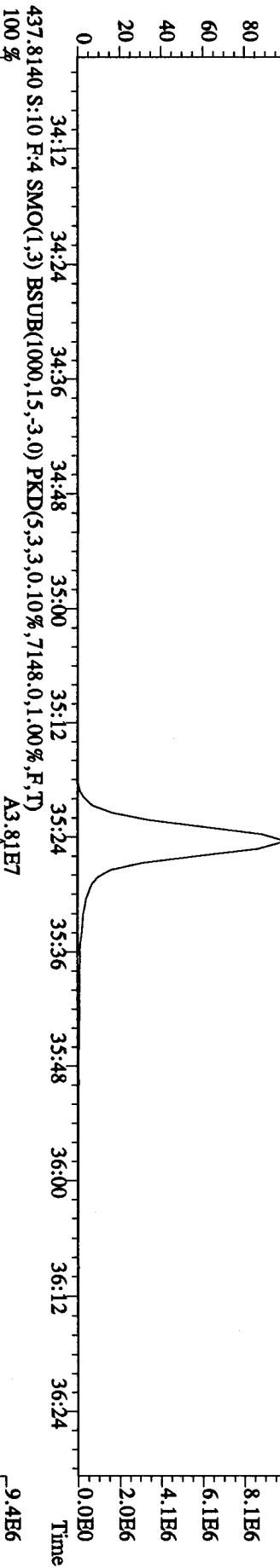
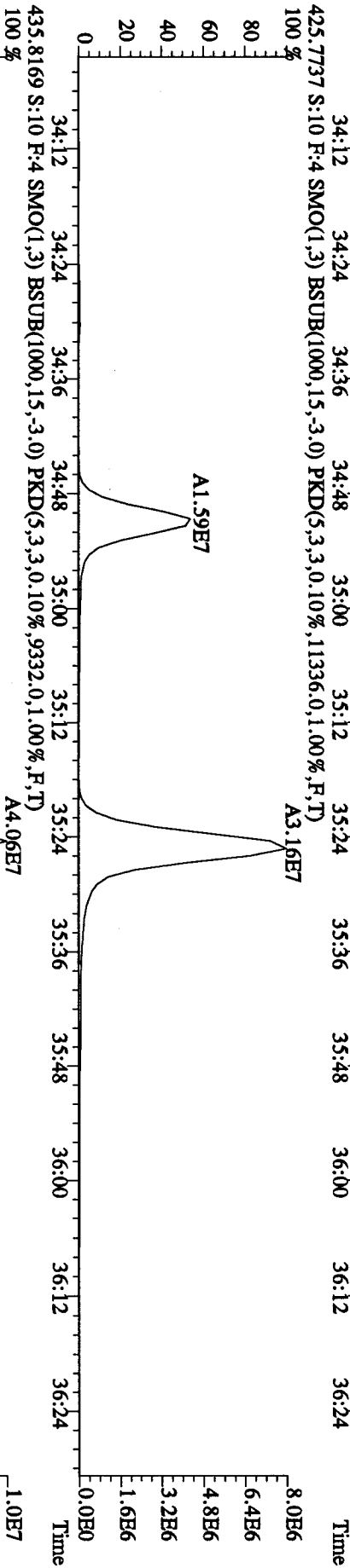
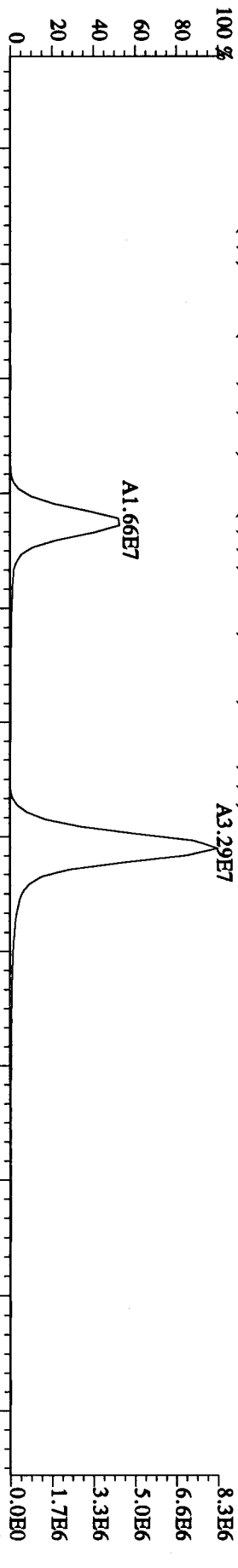
417.8253 S:10 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14712.0,1.00%,F,T)
 100 %



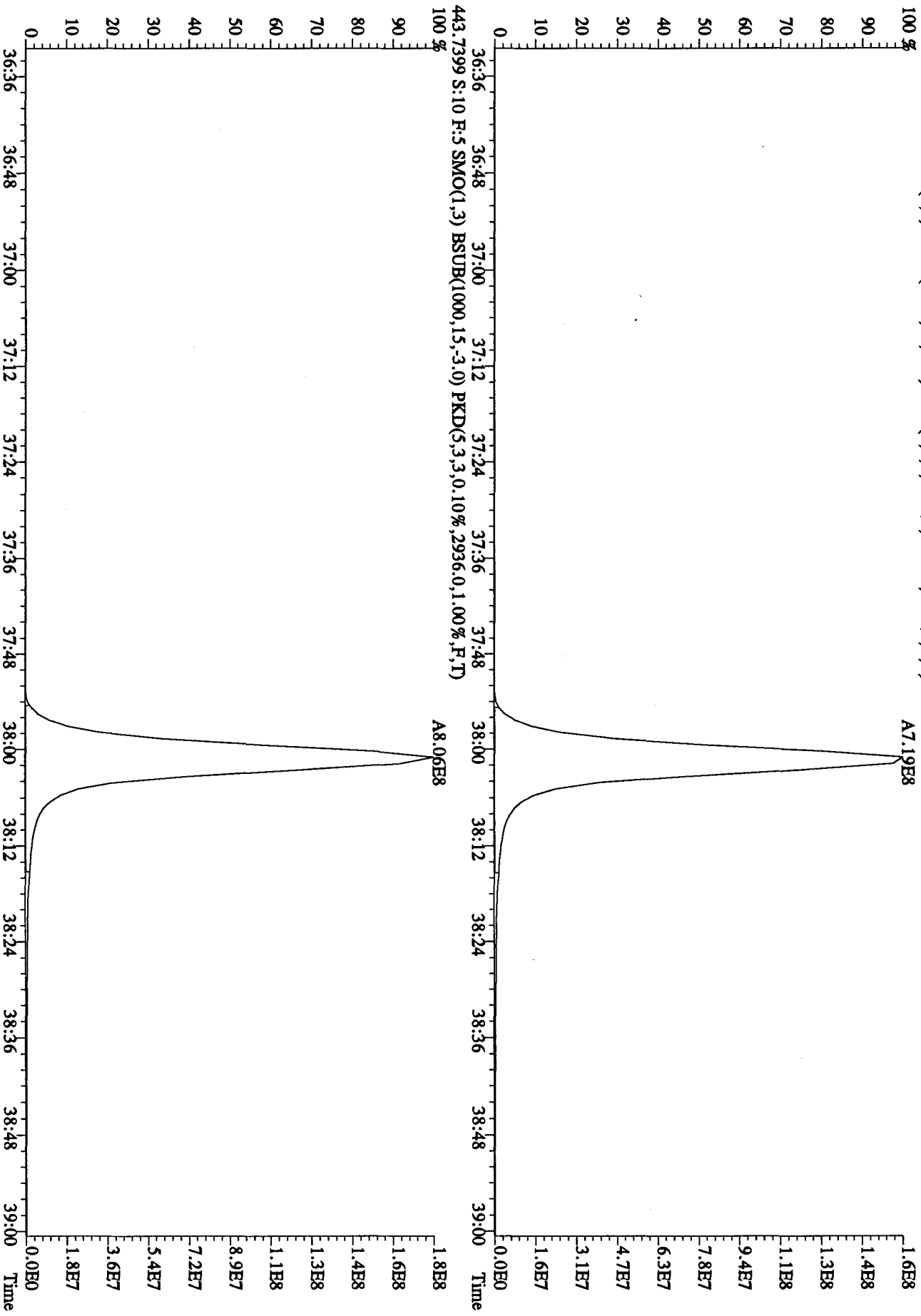
419.8220 S:10 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,23448.0,1.00%,F,T)
 100 %



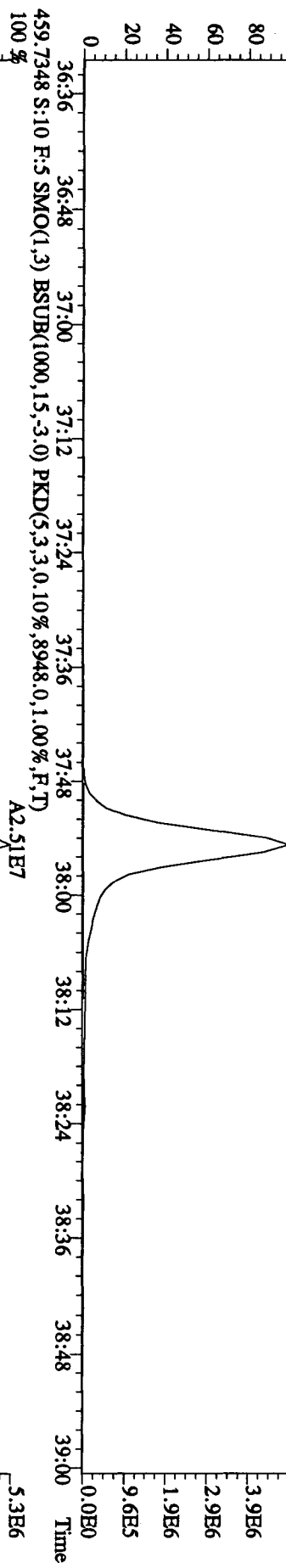
File:27AP104D5 #1-198 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#10 Text:LXXKW-1-AD :GOD140422-5 Exp:DIOXINRES8290A
 423.7766 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8436,0,1.00%,F,T)
 100 %



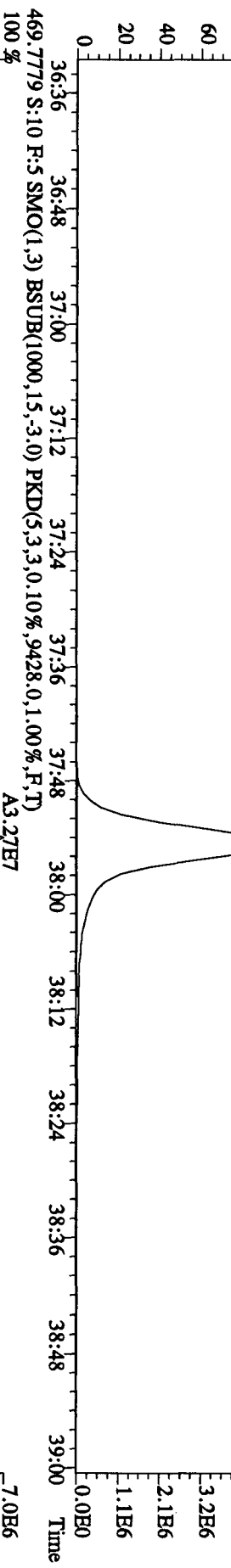
File:27AP104D5 #1-190 Acq:27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 Text:LXXKW-1-AD :GOD140422-5 Exp:DIOXINRES8290A
 441.7428 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1548.0,1.00%,F,T)



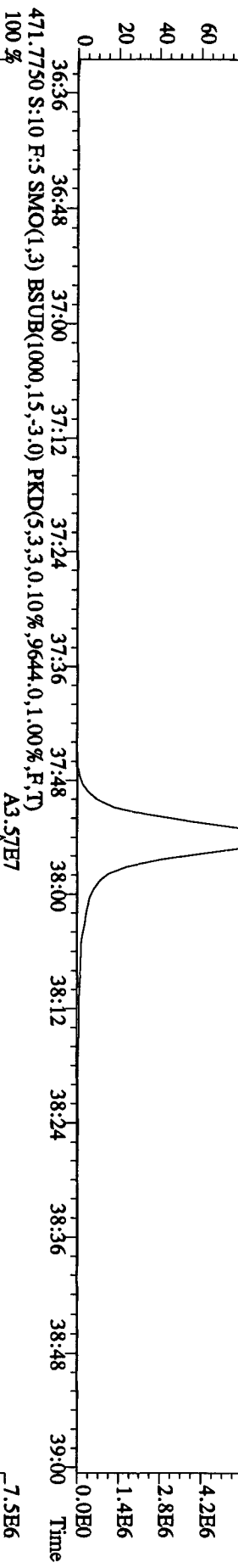
457.7377 S:10 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6380.0,1.00%,F,T)
100% A2.25E7



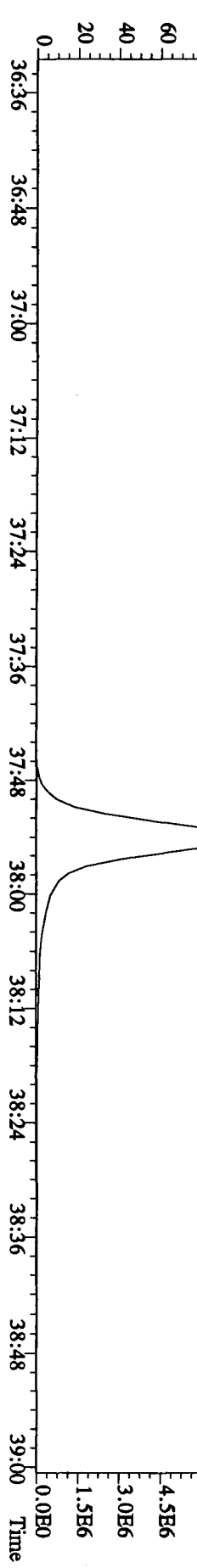
459.7348 S:10 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8948.0,1.00%,F,T)
100% A2.51E7



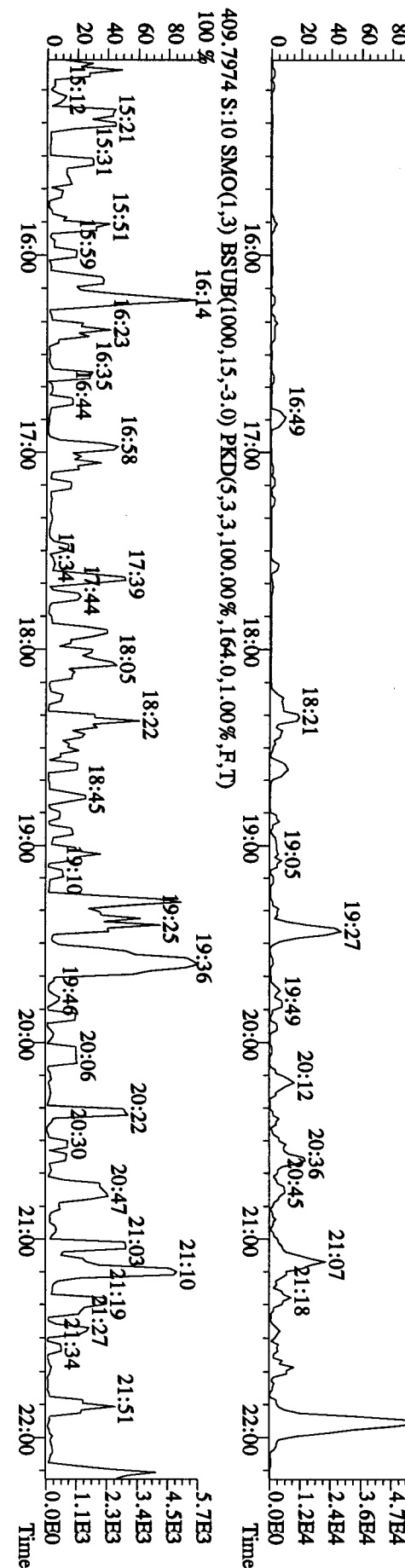
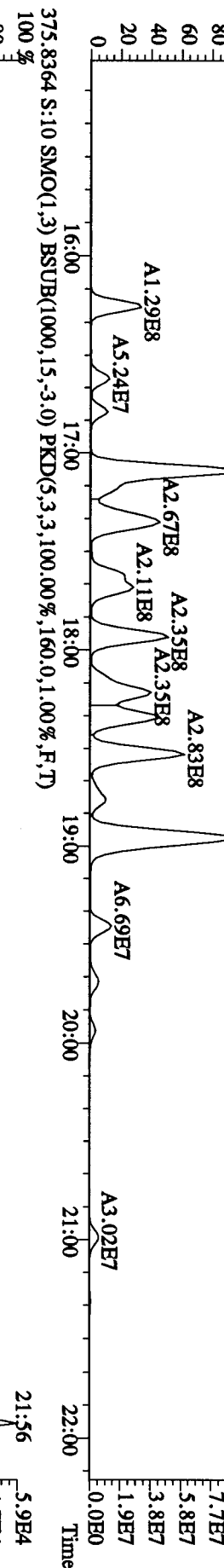
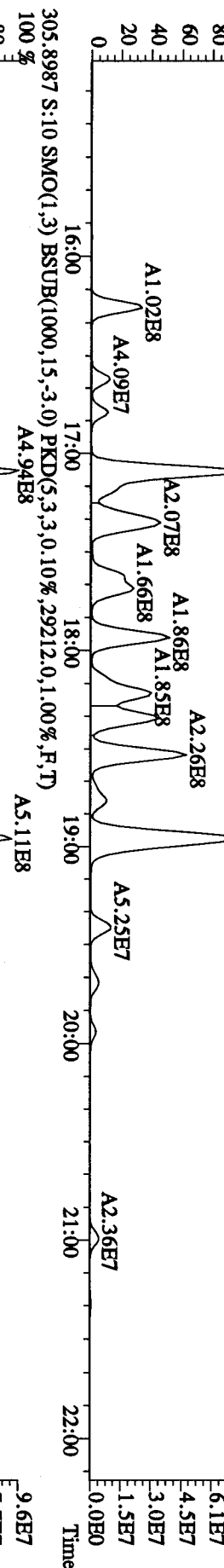
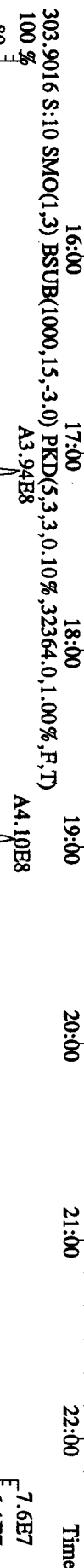
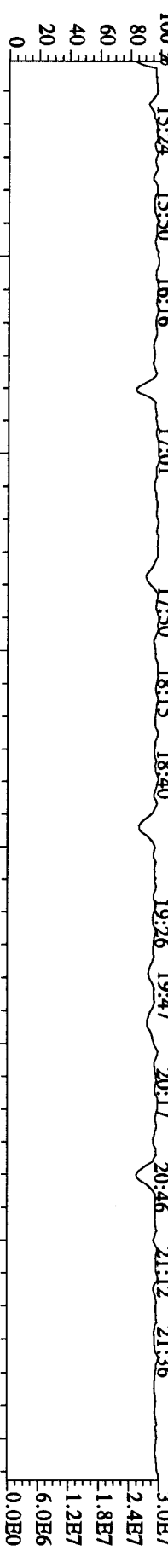
469.7779 S:10 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9428.0,1.00%,F,T)
100% A3.27E7



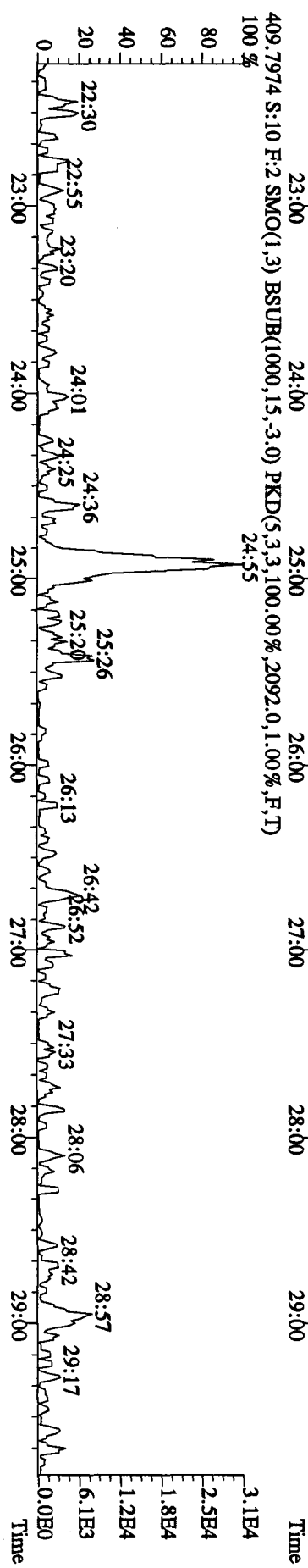
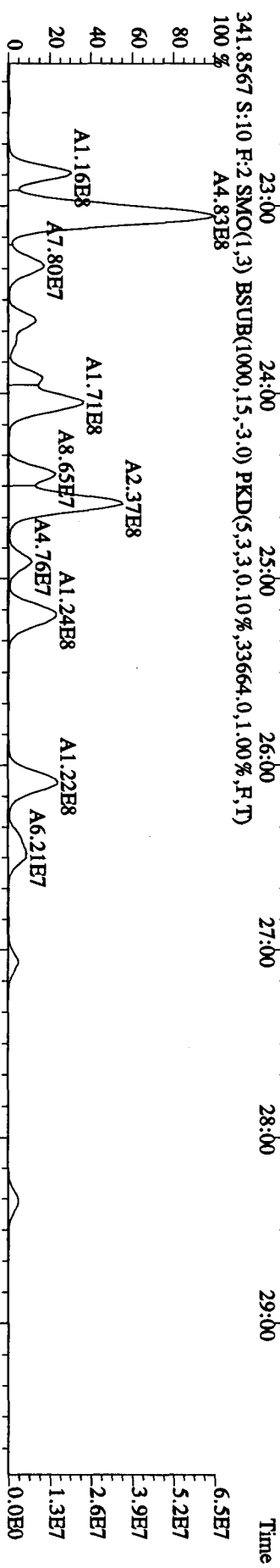
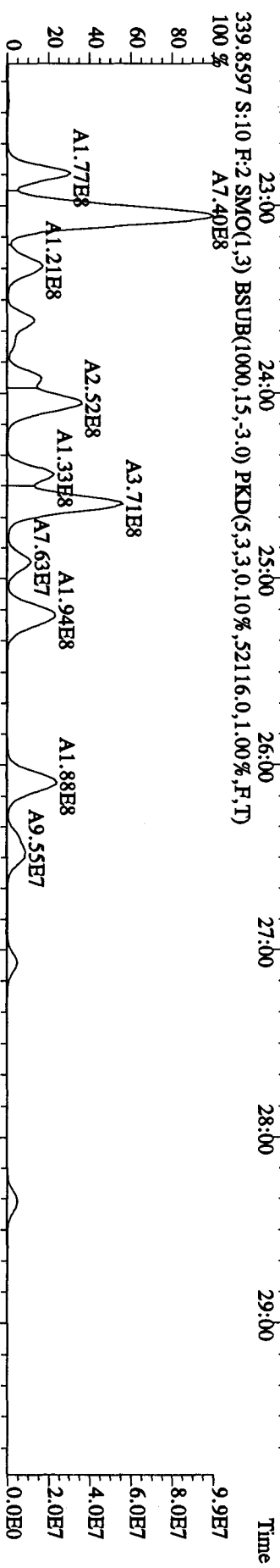
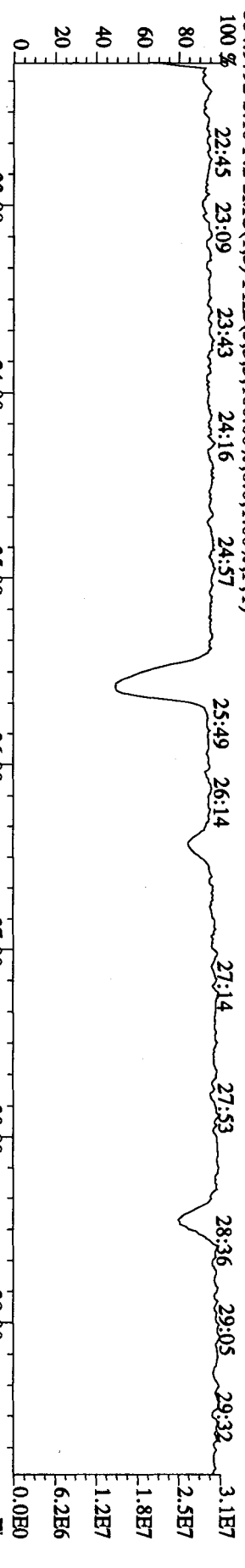
471.7750 S:10 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9644.0,1.00%,F,T)
100% A3.57E7



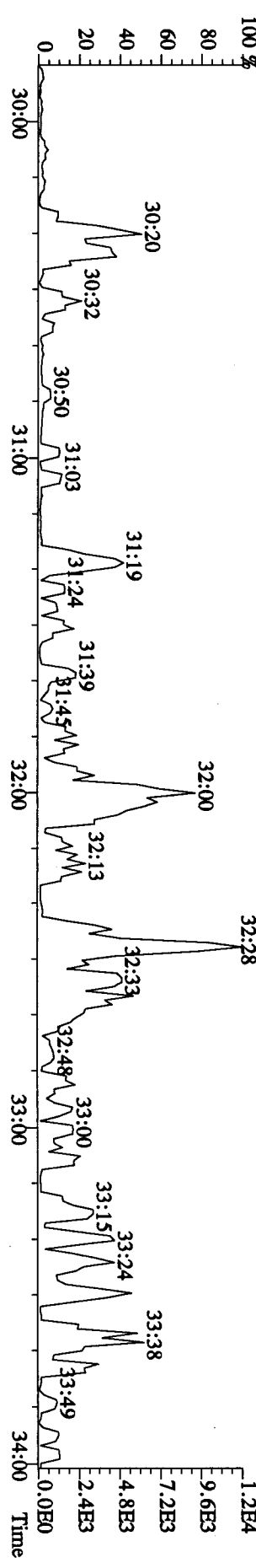
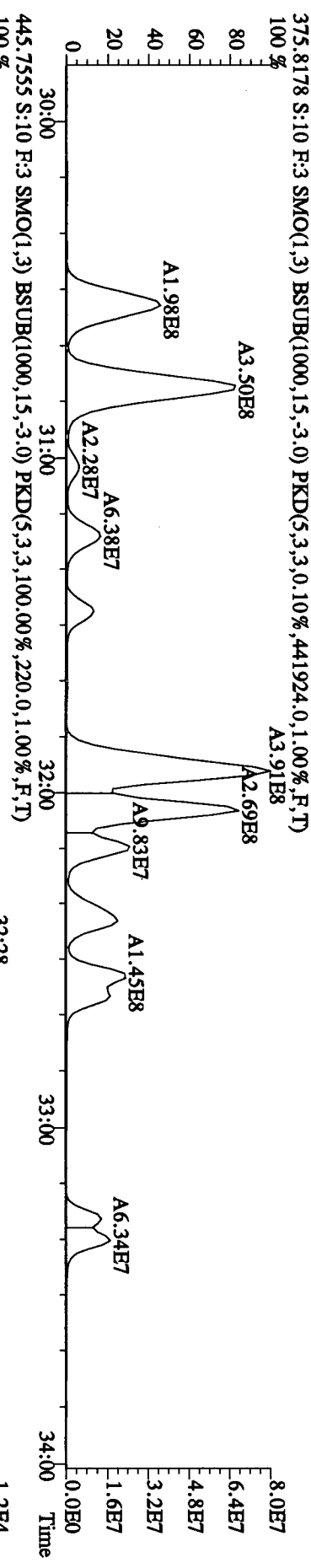
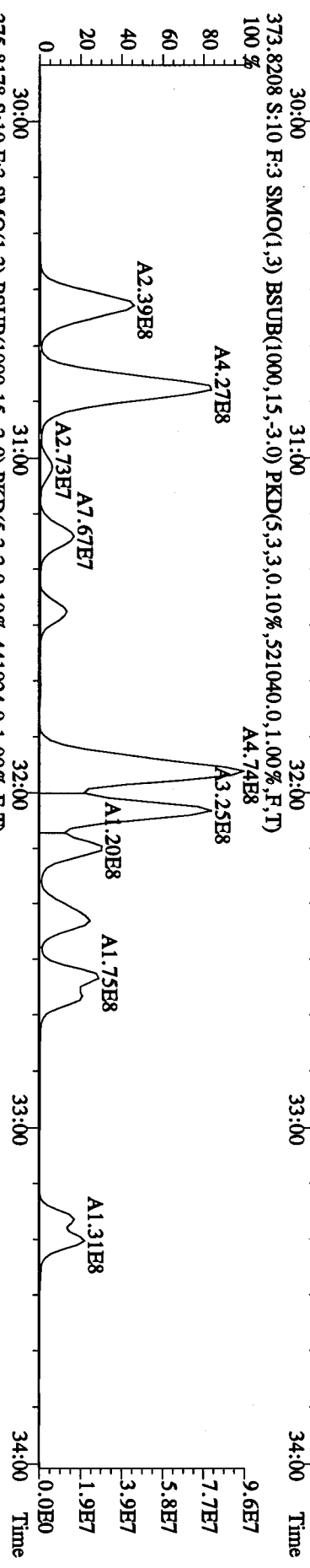
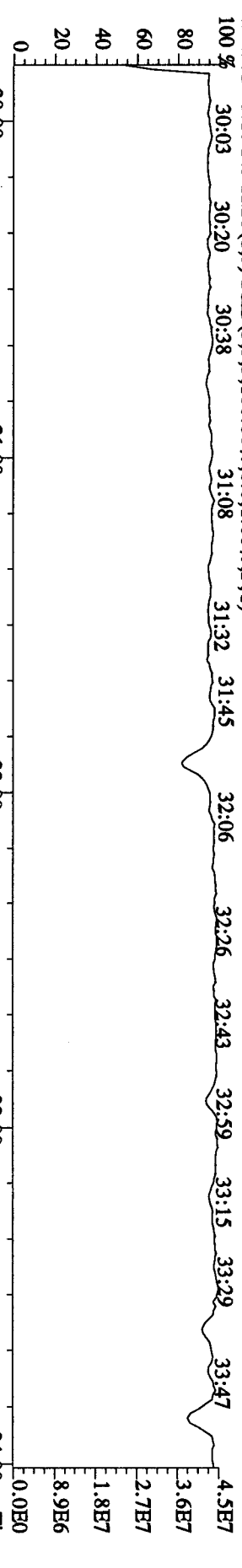
File: 27AP104D5 #1-435 Acq: 27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#10 Text: LXXKW-1-AD :G0D140422-5 Exp: DIOXINRES8290A
 354.9792 S:10 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 15:24 15:50 16:16 17:01 17:50 18:15 18:40 19:26 19:47 20:17 20:46 21:12 21:36



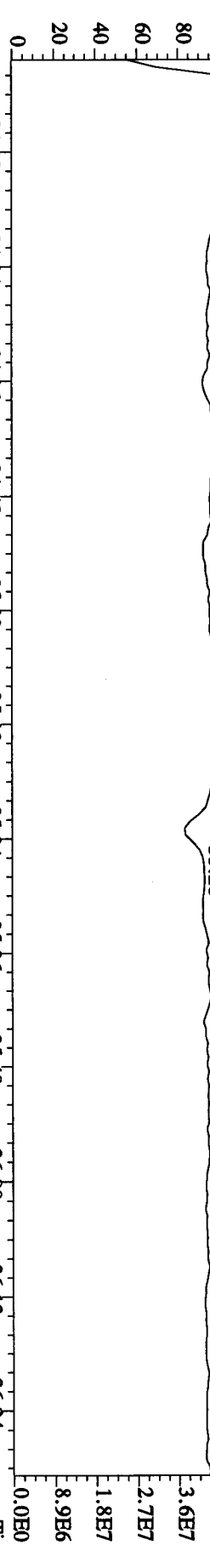
File: 27API04D5 #1-604 Acq: 27-APR-2010 18:29:36 GC EI + Voltage SIR Autospec-UtimaE
 Sample#10 Text: LXXKW-1-AD : GOD140422-5 Exp: DIOXINRES8290A
 354.9792 S:10 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 22:45 23:09 23:43 24:16 24:57 25:49 26:14 27:14 27:53 28:36 29:05 29:32



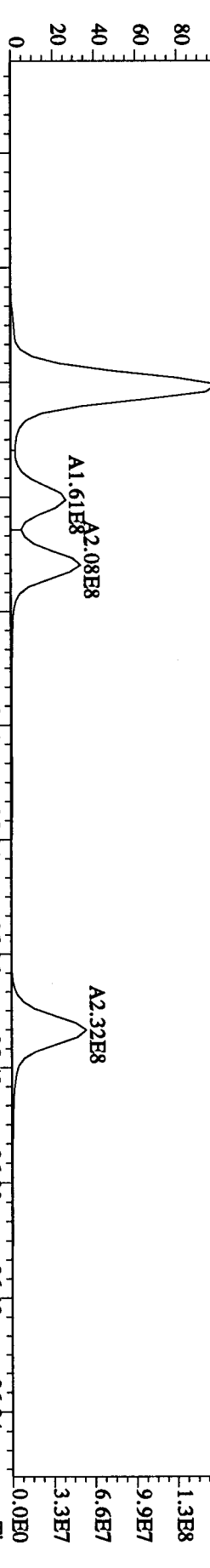
File: 27AP104D5 #1-317 Acq: 27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#10 Text: LXXXW-1-AD :G0D140422-5 Exp: DIOXINRES8290A
 430.9728 S:10 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 30:03 30:20 30:38 31:08 31:32 31:45 32:06 32:26 32:43 32:59 33:15 33:29 33:47



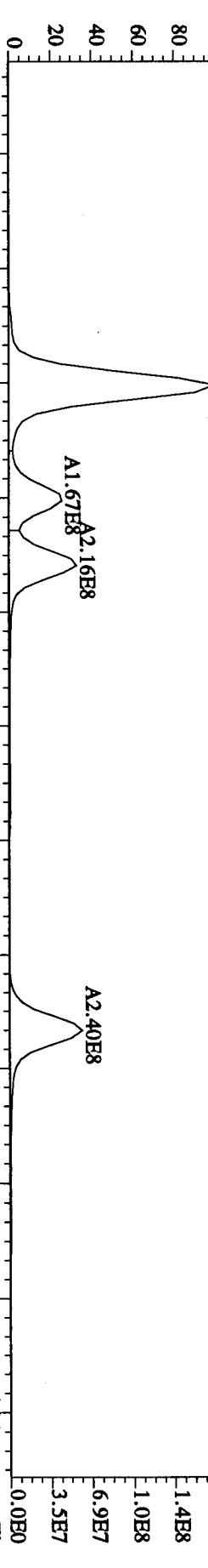
File: 27ADP104D5 #1-198 Acq: 27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 Text: LXXXW-1-AD : GOD140422-5 Exp: DIOXINRES8290A
 430.9728 S:10 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 34:08 34:16 34:42 35:06 35:17 35:28 35:40 35:57 36:09 36:20



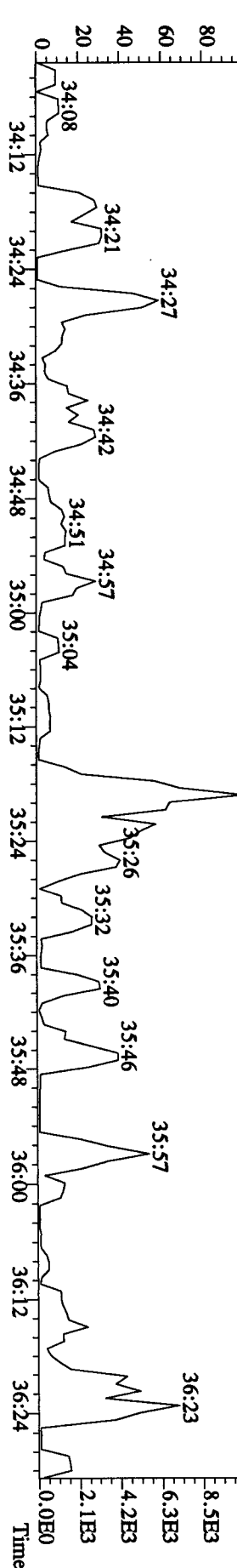
407.7818 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48504.0,1.00%,F,T)
 100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



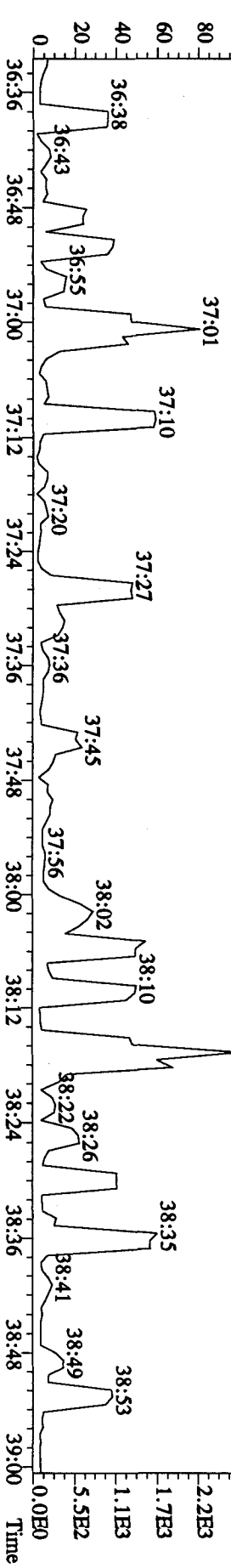
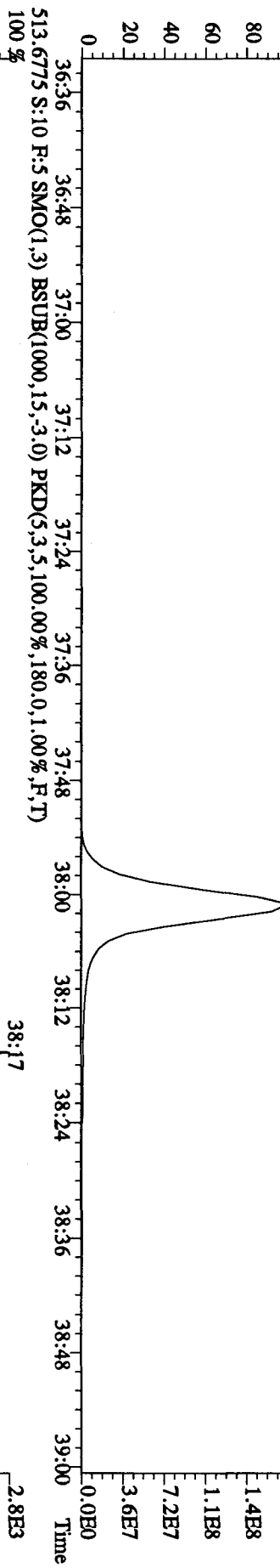
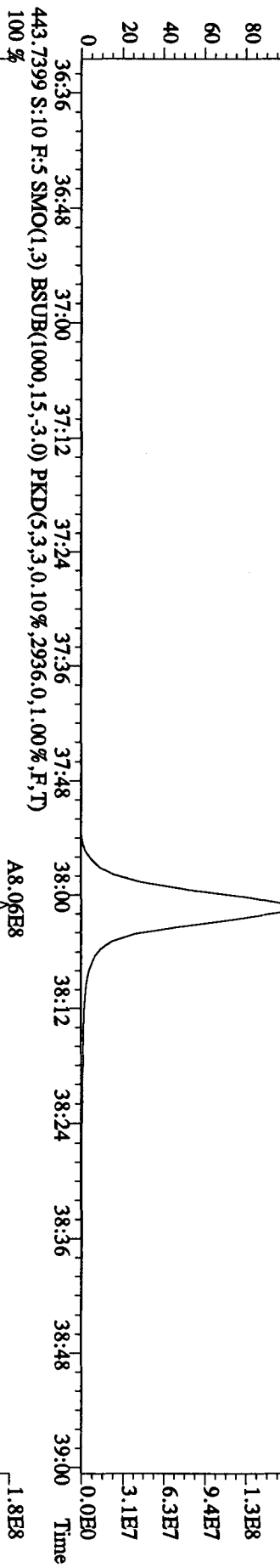
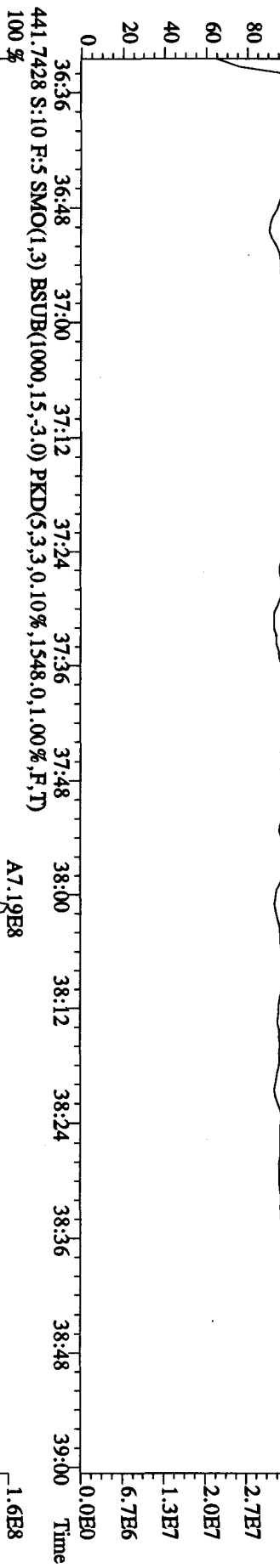
409.7789 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15836.0,1.00%,F,T)
 100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



479.7165 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,132.0,1.00%,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: 27AP104D5 #1-190 Acq: 27-APR-2010 18:29:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#10 Text: LXXKW-1-AD :GOD140422-5 Exp: DIOXINRES8290A
 442.9728 S:10 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 986:36 36:58 37:05 37:15 37:28 37:43 37:51 38:09 38:24 38:32 38:43 38:54 3.3E7

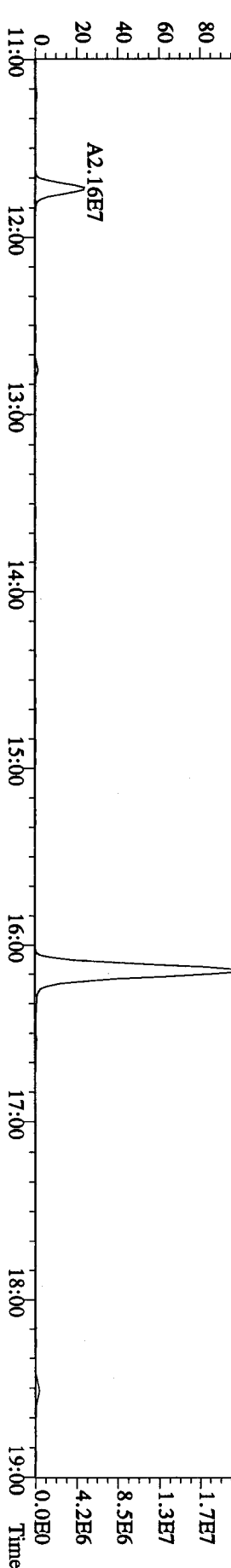
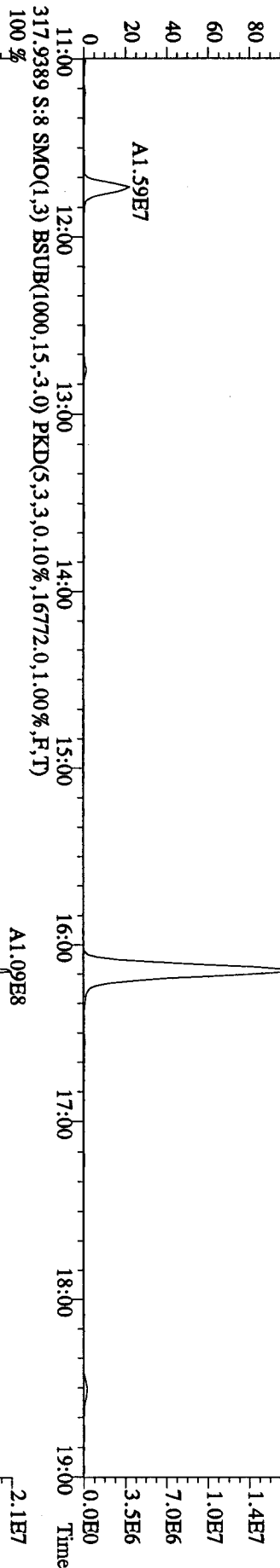
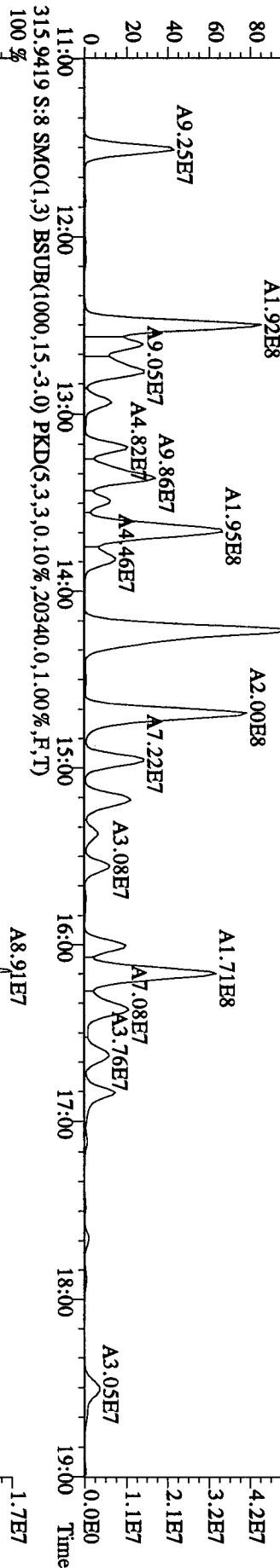
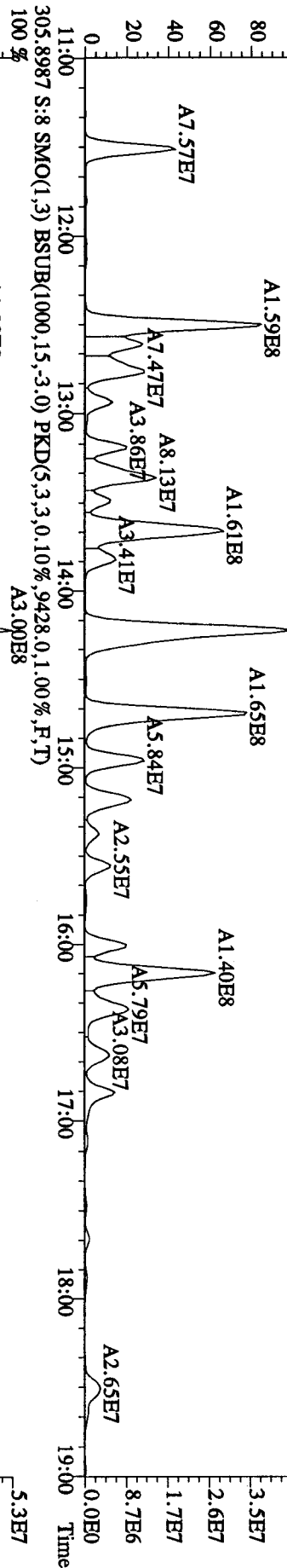


Run text: LXXKW-1-AD Sample text: LXXKW-1-AD :GOD140422-5
 Run #13 Filename: 28AP105D2 S: 8 I: 1 Results:
 Acquired: 28-APR-10 13:52:44 Processed: 28-APR-10 16:11:41
 Run: 21AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.21007g

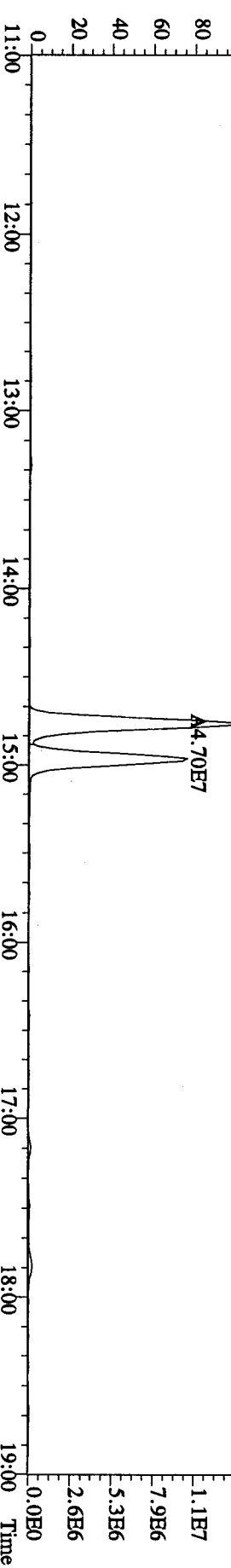
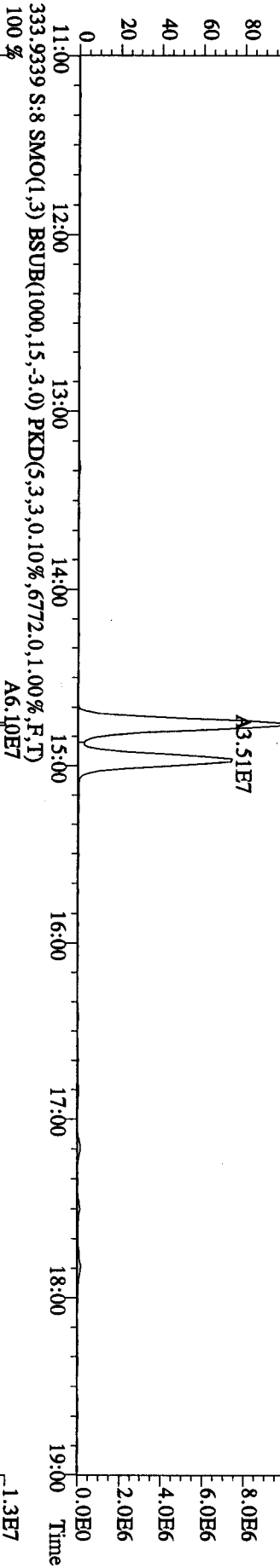
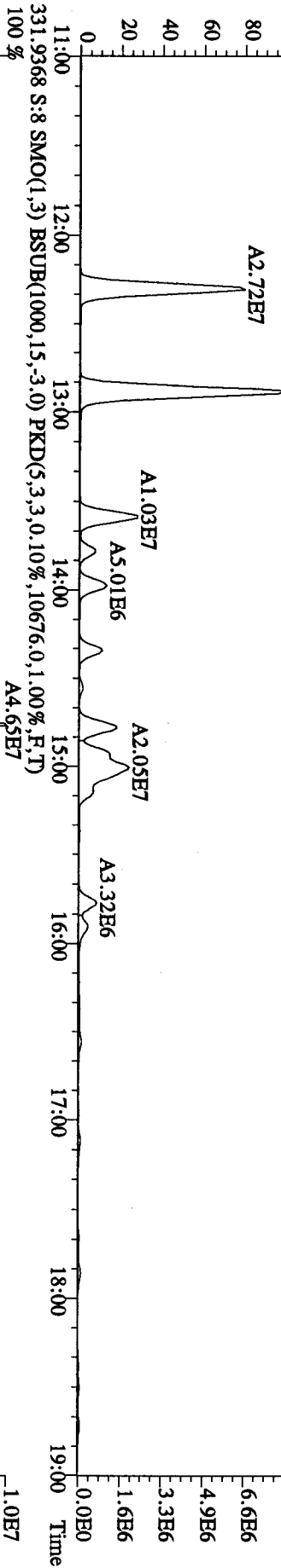
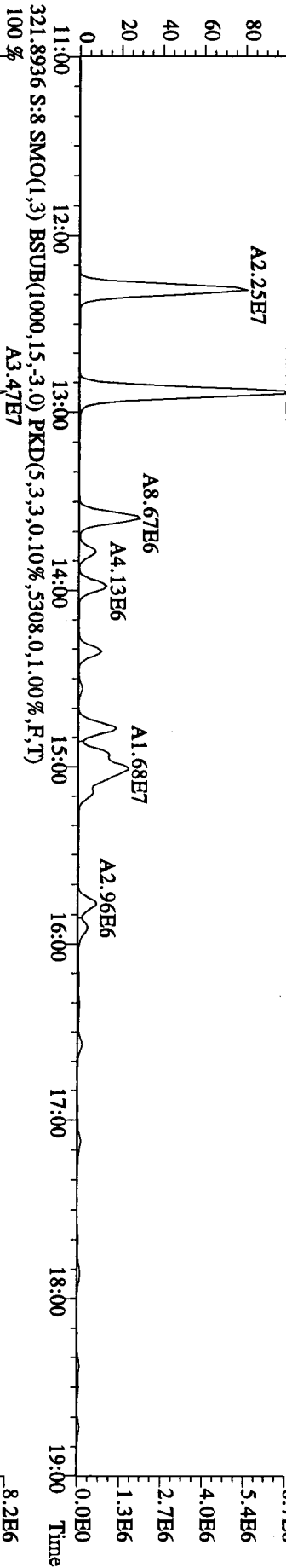
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	82101984	0.75 y	14:58	-	8.08	-	-	n
13C-2,3,7,8-TCDF	198479032	0.81 y	16:09	2.11	112.41	0.29	57.4	n
2,3,7,8-TCDF	310813424	0.82 y	16:10	1.09	✓281.82	0.26	-	n
13C-2,3,7,8-TCDD	107530240	0.76 y	14:46	0.95	135.25	0.31	69.0	n
2,3,7,8-TCDD	13293071	0.79 y	14:47	1.36	17.84	0.16	-	n
37Cl-2,3,7,8-TCDD	122412736	1.00 y	14:47	2.28	64.10	0.19	81.8	n

AK 4/29/10

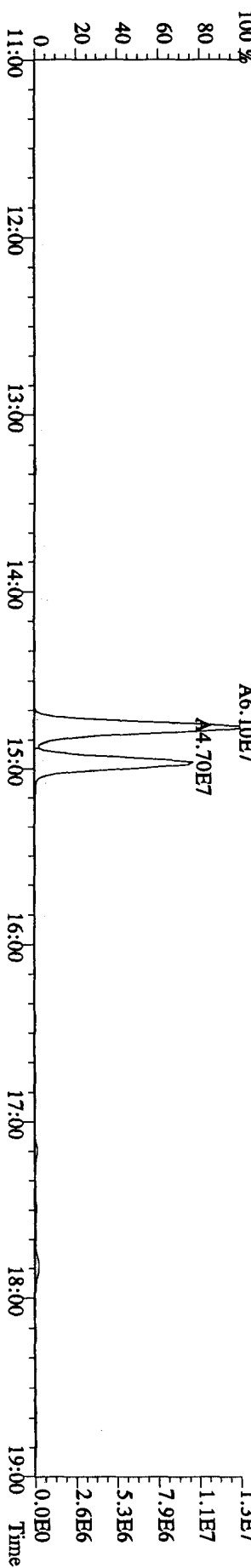
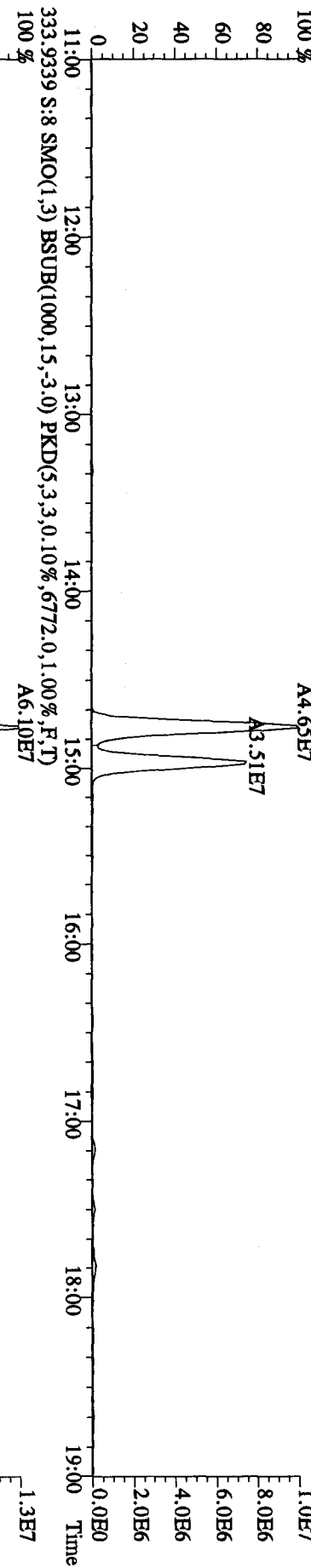
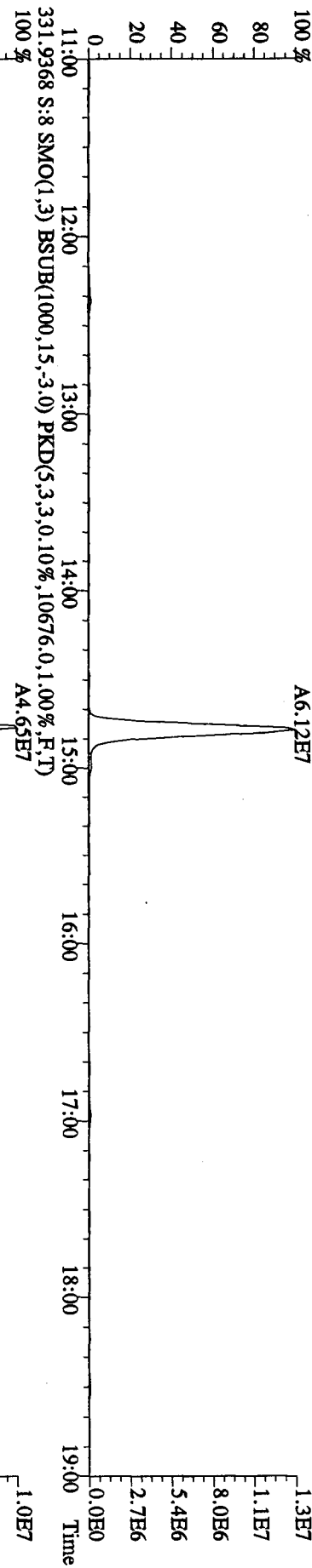
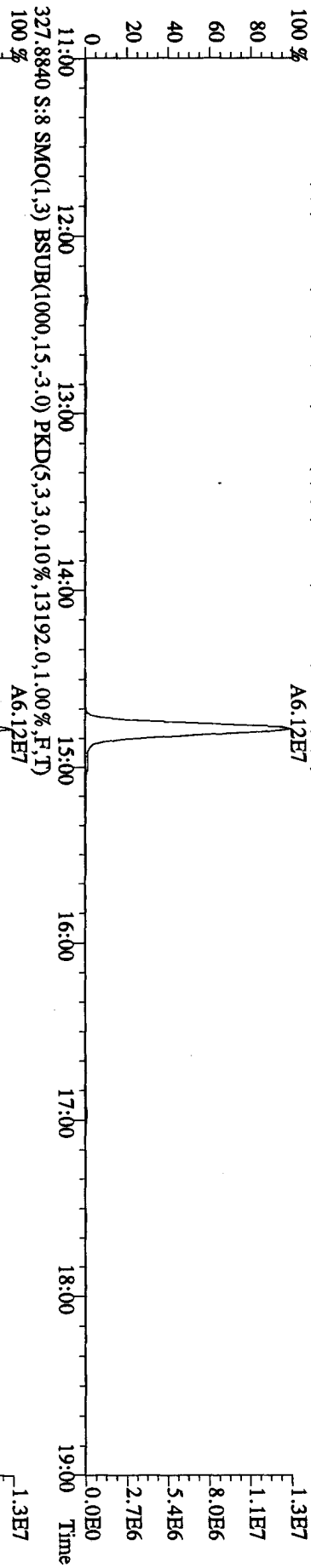
File:28AP105D2 #1-1242 Acq:28-APR-2010 13:52:44 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXXKW-1-AD :G0D140422-5 Exp:DB225RBS
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9272.0,1.00%,F,T)
 100%



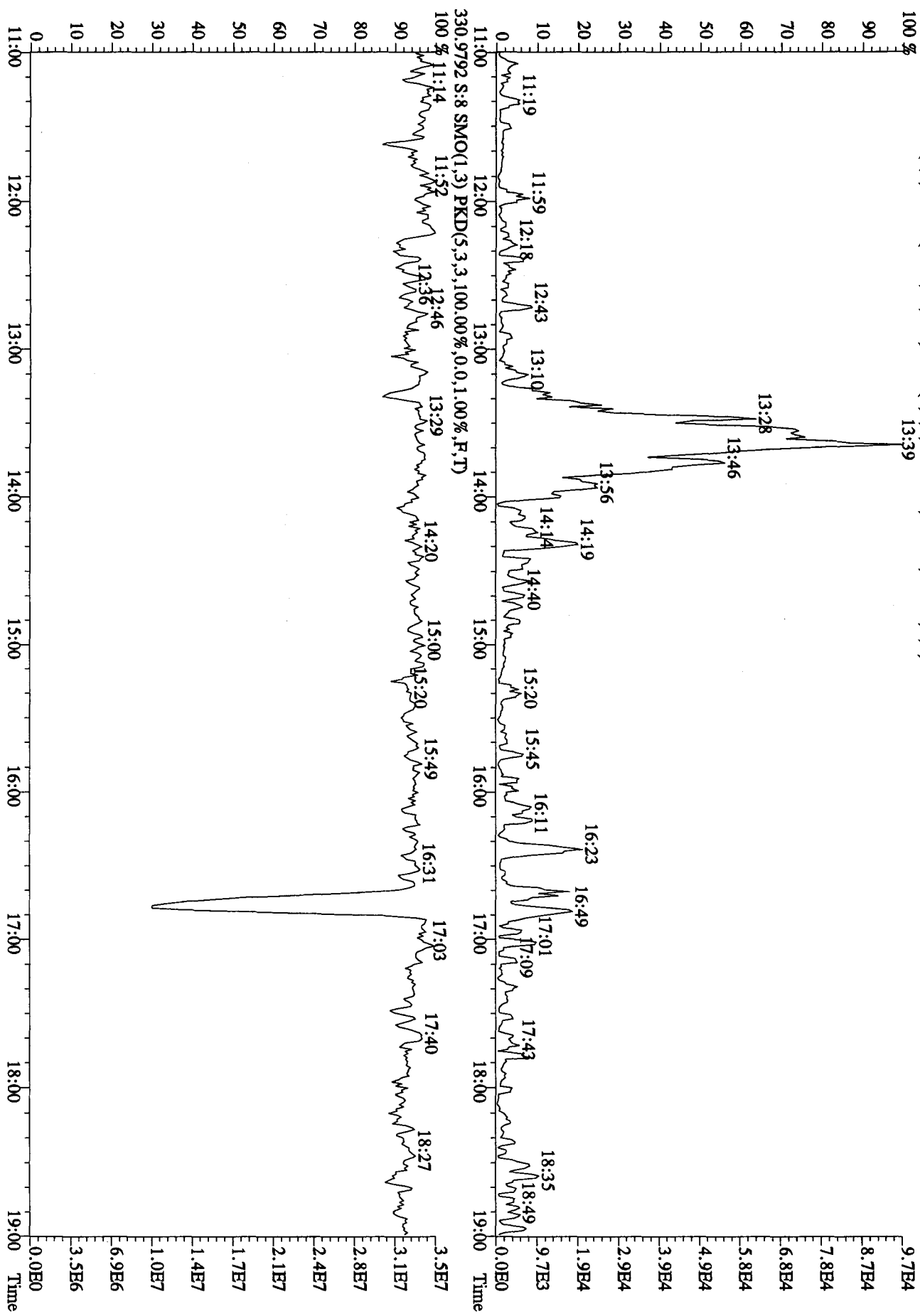
File:28AP105D2 #1-1242 Acq:28-APR-2010 13:52:44 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXXKW-1-AD :GOD140422-5 Exp:DB225RES
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)
 100%



File:28AP105D2 #1-1242 Acq:28-APR-2010 13:52:44 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXXKW-1-AD :GOD140422-5 Exp:DB225RBS
 327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T)
 100 % A6.12E7



File: 28AP105D2 #1-1242 Acq: 28-APR-2010 13:52:44 GC EI+ Voltage SIR 70SE
 Sample#8 Text: LXXKW-1-AD :GODD140422-5 Exp: DB225RES
 375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1480,0,1.00%,F,T)



Run text: LXXK4-1-AD Sample text: LXXK4-1-AD :G0D140422-7
 Run #14 Filename: 27AP104D5 S: 11 I: 1 Results: 27ap104d58290a
 Acquired: 27-APR-10 19:13:38 Processed: 28-APR-10 10:30:25
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.10 g

AK 4/29/10

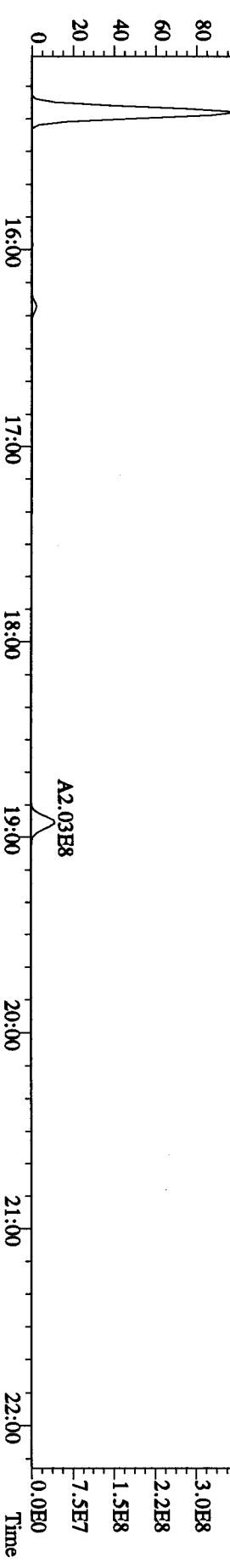
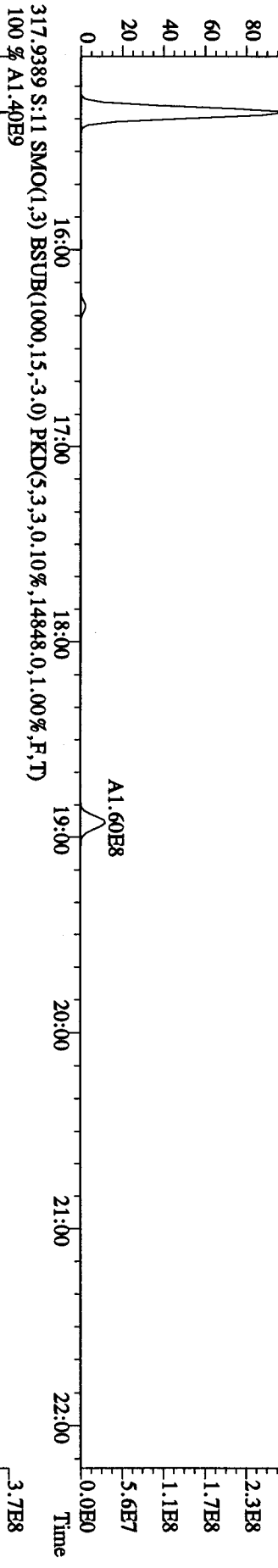
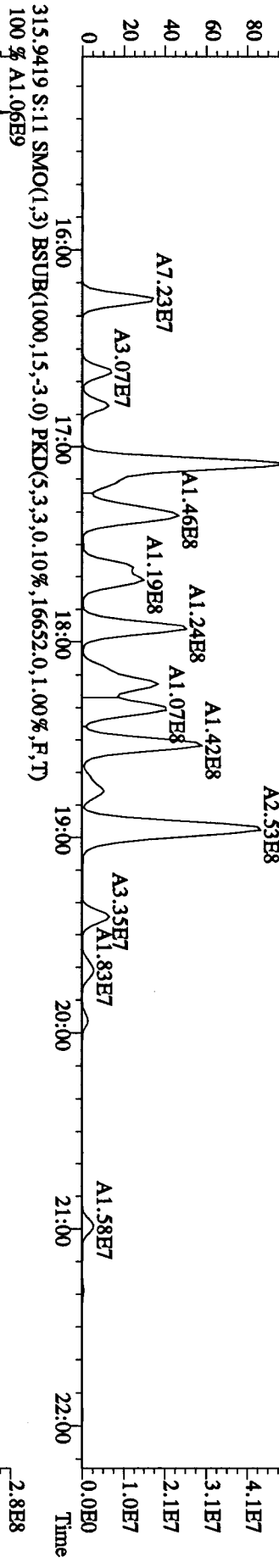
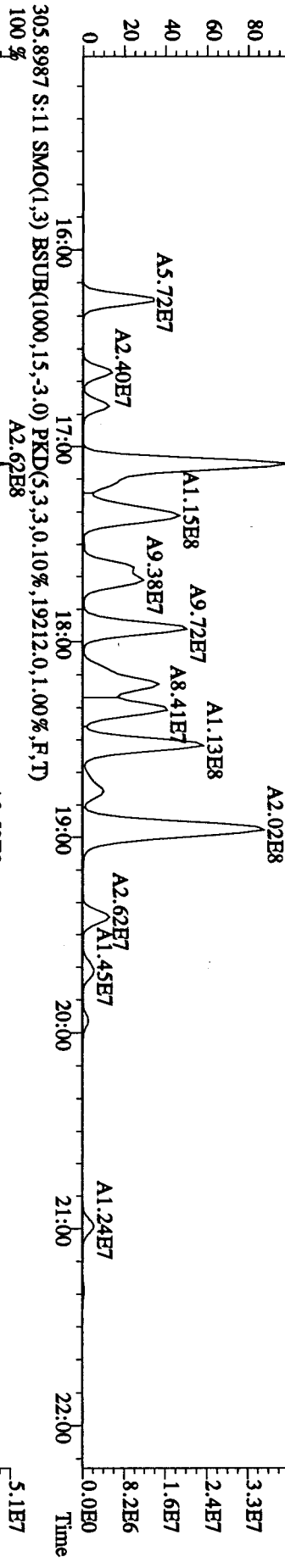
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	181842400	0.81 y	19:31	-	13.533	-	-	n
13C-2,3,7,8-TCDF	363383000	0.79 y	18:56	1.52	130.105	0.166	65.7	n
2,3,7,8-TCDF	455131000	0.80 y	18:58	0.95	262.363	0.337	-	n
Total TCDF	2713334525	0.82 y	15:54	0.95	1564.120	0.337	-	n
13C-2,3,7,8-TCDD	261928000	0.80 y	19:42	0.95	150.171	0.124	75.8	n
2,3,7,8-TCDD	5215850	0.78 y	19:43	1.02	✓3.862	0.107	-	n
Total TCDD	173207721	5.24 n	15:18	1.02	128.251	0.107	-	n
37Cl-2,3,7,8-TCDD	279858000	1.00 y	19:43	2.26	67.385	0.205	85.1	n
13C-1,2,3,7,8-PeCDF	283300000	1.55 y	24:34	1.05	146.861	0.413	74.2	n
1,2,3,7,8-PeCDF	297733000	1.55 y	24:35	1.04	✓199.193	0.479	-	n
2,3,4,7,8-PeCDF	152333100	1.51 y	26:05	0.98	✓108.412	0.510	-	n
Total F2 PeCDF	2221695826	1.58 y	22:26	1.01	1529.492	0.494	-	n
Total F1 PeCDF	247928939	2.10 n	17:37	1.01	178.996	0.259	-	n
13C-1,2,3,7,8-PeCDD	194183900	1.56 y	26:53	0.67	157.695	0.160	79.6	n
1,2,3,7,8-PeCDD	13823720	1.53 y	26:54	0.98	✓14.356	0.418	-	n
Total PeCDD	145261790	1.35 y	23:15	0.98	150.858	0.418	-	n
13C-1,2,3,7,8,9-HxCDD	136154300	1.25 y	33:05	-	13.119	-	-	n
13C-1,2,3,4,7,8-HxCDF	173559100	0.51 y	31:55	1.02	123.149	0.338	62.2	n
1,2,3,4,7,8-HxCDF	390612000	1.20 y	31:56	1.21	✓367.521	5.1836	-	y
1,2,3,6,7,8-HxCDF	355242000	1.21 y	32:03	1.34	✓301.841	4.6806	-	y
2,3,4,6,7,8-HxCDF	74702200	1.24 y	32:37	1.22	✓69.731	5.1426	-	y
1,2,3,7,8,9-HxCDF	48827600	1.18 y	33:16	1.09	✓50.994	5.7536	-	y
Total HxCDF	2014889900	1.20 y	30:33	1.22	1863.525	5.162	-	y
13C-1,2,3,6,7,8-HxCDD	166397500	1.26 y	32:49	0.81	149.928	0.376	75.7	n
1,2,3,4,7,8-HxCDD	8296930	1.21 y	32:45	1.01	✓9.807	0.263	-	n
1,2,3,6,7,8-HxCDD	20139520	1.31 y	32:50	1.11	✓21.516	0.237	-	n
1,2,3,7,8,9-HxCDD	13234380	1.32 y	33:06	1.21	✓13.027	0.219	-	y
Total HxCDD	124075561	1.18 y	31:23	1.11	132.705	0.238	-	y
13C-1,2,3,4,6,7,8-HpCDF	140810100	0.44 y	34:36	0.86	118.707	0.634	59.9	n
1,2,3,4,6,7,8-HpCDF	806491000	0.97 y	34:36	1.31	✓865.983	0.771	-	n
1,2,3,4,7,8,9-HpCDF	271363000	0.97 y	35:44	1.03	✓372.077	0.984	-	n
Total HpCDF	1562755718	0.97 y	34:36	1.17	1822.061	0.865	-	n
13C-1,2,3,4,6,7,8-HpCDD	116734300	1.05 y	35:25	0.70	121.704	0.510	61.5	n
1,2,3,4,6,7,8-HpCDD	44595400	1.02 y	35:25	1.07	✓70.577	0.441	-	n
Total HpCDD	67655668	0.22 n	34:25	1.07	107.073	0.441	-	n
13C-OCDD	123181600	0.91 y	37:54	0.53	168.571	0.408	42.6	n
OCDF	1038266000	0.89 y	38:01	1.45	✓2309.549	1.856	-	n

OCDD 27660600 0.89 y 37:55 1.17 ✓ 76.254 0.412 - n

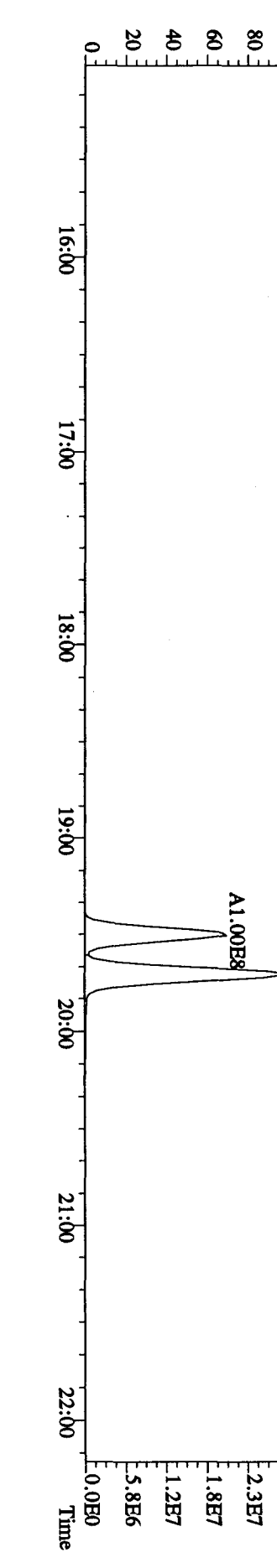
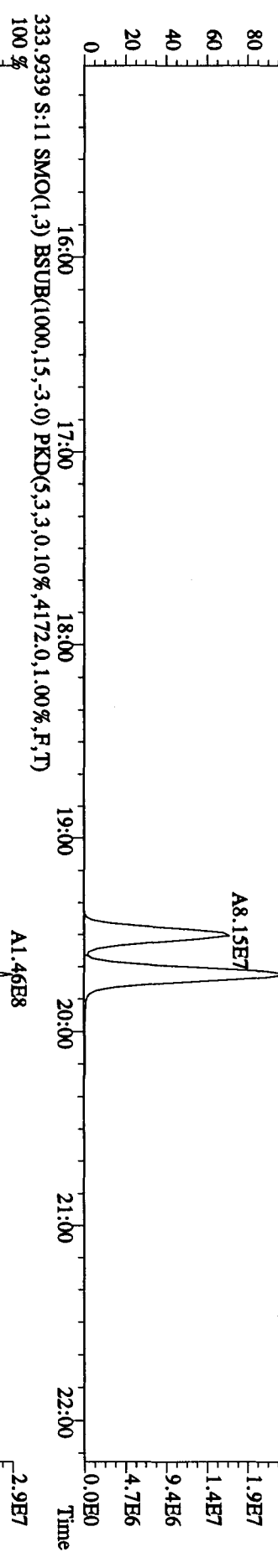
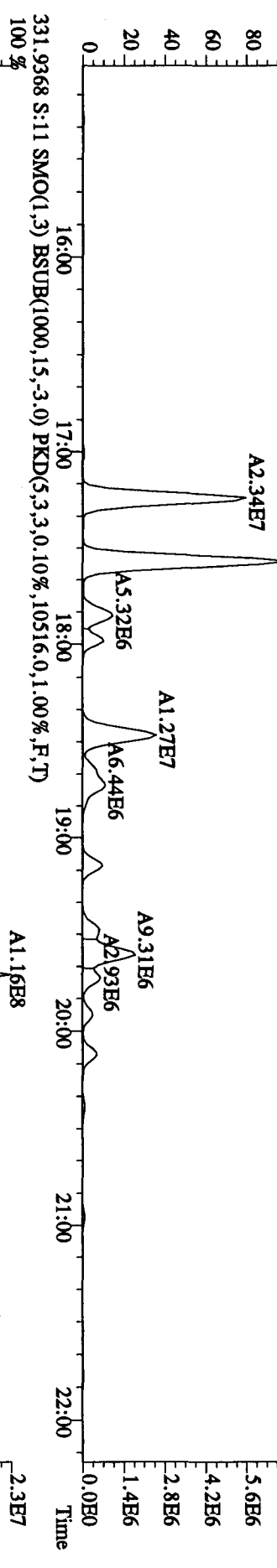
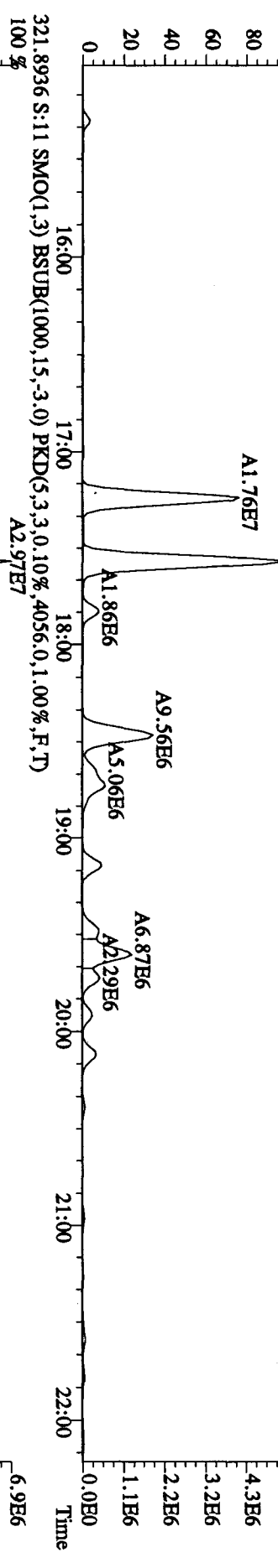
Run text: LXXX4-1-AD Sample text: LXXX4-1-AD :G0D140422-7
 Run #14 Filename: 27AP104D5 S: 11 I: 1 Results: 27AP104D58290A
 Acquired: 27-APR-10 19:13:38 Processed: 28-APR-10 10:30:25
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.10 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	181842400	0.81 y	19:31	-	13.5330	-	-	n
13C-2,3,7,8-TCDF	363383000	0.79 y	18:56	1.52	130.1049	0.1664	65.7	n
2,3,7,8-TCDF	455131000	0.80 y	18:58	0.95	262.3633	0.3371	-	n
Total TCDF	2713334525	0.82 y	15:54	0.95	1564.1200	0.3371	-	n
13C-2,3,7,8-TCDD	261928000	0.80 y	19:42	0.95	150.1705	0.1242	75.8	n
2,3,7,8-TCDD	5215850	0.78 y	19:43	1.02	3.8621	0.1074	-	n
Total TCDD	173207721	5.24 n	15:18	1.02	128.2509	0.1074	-	n
37C1-2,3,7,8-TCDD	279858000	1.00 y	19:43	2.26	67.3850	0.2051	85.1	n
13C-1,2,3,7,8-PeCDF	283300000	1.55 y	24:34	1.05	146.8610	0.4134	74.2	n
1,2,3,7,8-PeCDF	297733000	1.55 y	24:35	1.04	199.1928	0.4792	-	n
2,3,4,7,8-PeCDF	152333100	1.51 y	26:05	0.98	108.4123	0.5098	-	n
Total F2 PeCDF	2221695826	1.58 y	22:26	1.01	1529.4924	0.4940	-	n
Total F1 PeCDF	247928939	2.10 n	17:37	1.01	170.9958	0.2595	-	n
13C-1,2,3,7,8-PeCDD	194183900	1.56 y	26:53	0.67	157.6952	0.1599	79.6	n
1,2,3,7,8-PeCDD	13823720	1.53 y	26:54	0.98	14.3563	0.4184	-	n
Total PeCDD	145261790	1.35 y	23:15	0.98	150.8582	0.4184	-	n
13C-1,2,3,7,8,9-HxCDD	136154400	1.25 y	33:05	-	13.1189	-	-	n
13C-1,2,3,4,7,8-HxCDF	173559100	0.51 y	31:55	1.02	123.1484	0.3382	62.2	n
1,2,3,4,7,8-HxCDF	466171000	1.21 y	31:56	1.21	438.6138	5.1828	-	n
1,2,3,6,7,8-HxCDF	352019000	1.21 y	32:03	1.34	299.1023	4.6803	-	n
2,3,4,6,7,8-HxCDF	179076900	1.22 y	32:33	1.22	167.1600	5.1418	-	n
1,2,3,7,8,9-HxCDF	116009400	1.21 y	33:20	1.09	121.1566	5.7528	-	n
Total HxCDF	2291696700	1.20 y	30:33	1.22	2130.3135	5.1618	-	n
13C-1,2,3,6,7,8-HxCDD	166397500	1.26 y	32:49	0.81	149.9284	0.3757	75.7	n
1,2,3,4,7,8-HxCDD	8296930	1.21 y	32:45	1.01	9.8074	0.2627	-	n
1,2,3,6,7,8-HxCDD	20139510	1.31 y	32:50	1.11	21.5159	0.2375	-	n
1,2,3,7,8,9-HxCDD	20505430	1.28 y	33:06	1.21	20.1834	0.2188	-	n
Total HxCDD	131346580	1.18 y	31:23	1.11	139.8616	0.2383	-	n
13C-1,2,3,4,6,7,8-HpCDF	140810100	0.44 y	34:36	0.86	118.7070	0.6340	59.9	n
1,2,3,4,6,7,8-HpCDF	806491000	0.97 y	34:36	1.31	865.9833	0.7708	-	n
1,2,3,4,7,8,9-HpCDF	271363000	0.97 y	35:44	1.03	372.0771	0.9842	-	n
Total HpCDF	1562755718	0.97 y	34:36	1.17	1822.0611	0.8645	-	n
13C-1,2,3,4,6,7,8-HpCDD	116734300	1.05 y	35:25	0.70	121.7039	0.5100	61.5	n
1,2,3,4,6,7,8-HpCDD	44595400	1.02 y	35:25	1.07	70.5772	0.4412	-	n
Total HpCDD	67655668	0.22 n	34:25	1.07	107.0727	0.4412	-	n
13C-OCDD	123181600	0.91 y	37:54	0.53	168.5706	0.4076	42.6	n
OCDF	1038266000	0.89 y	38:01	1.45	2309.5487	1.8557	-	n
OCDD	27660600	0.89 y	37:55	1.17	76.2540	0.4121	-	n

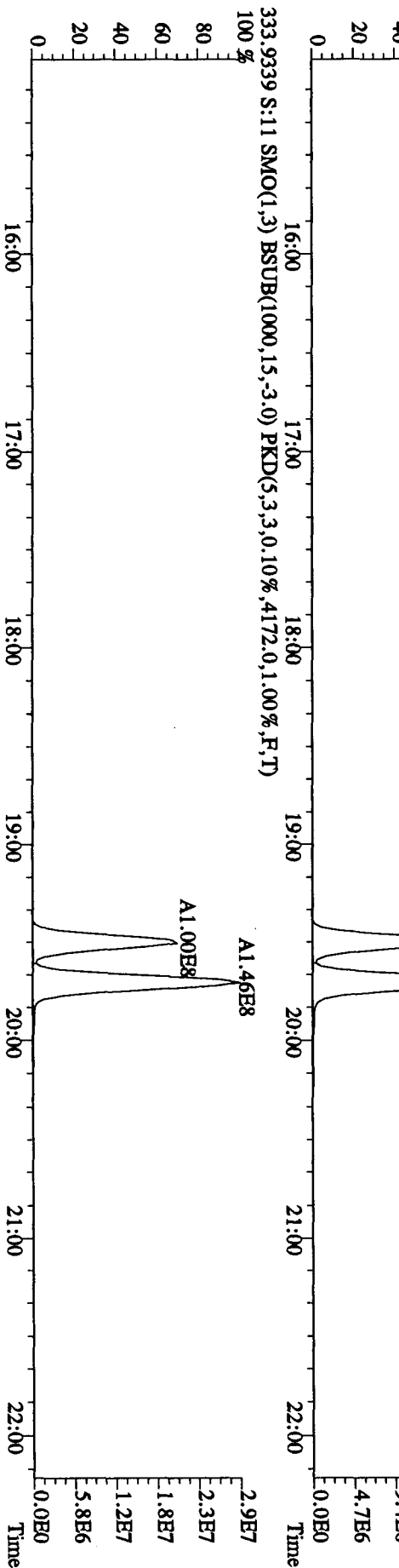
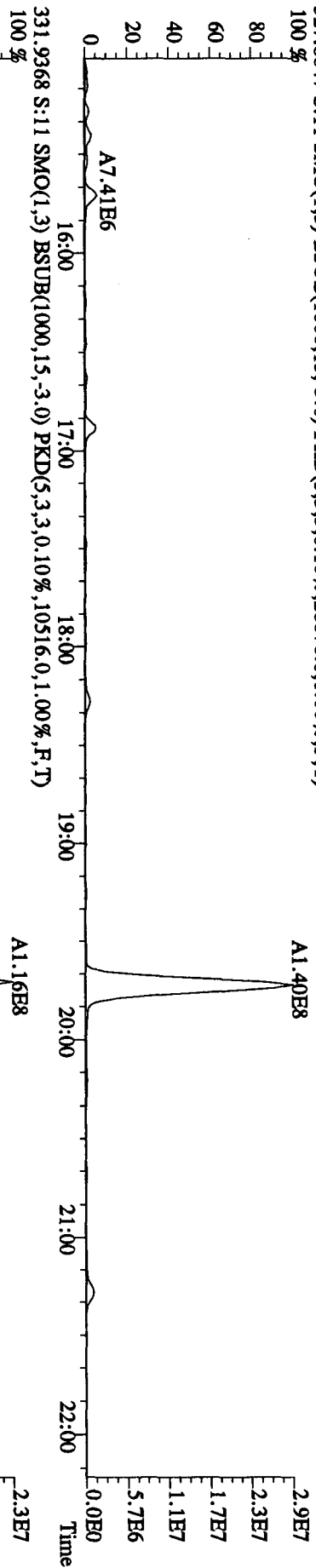
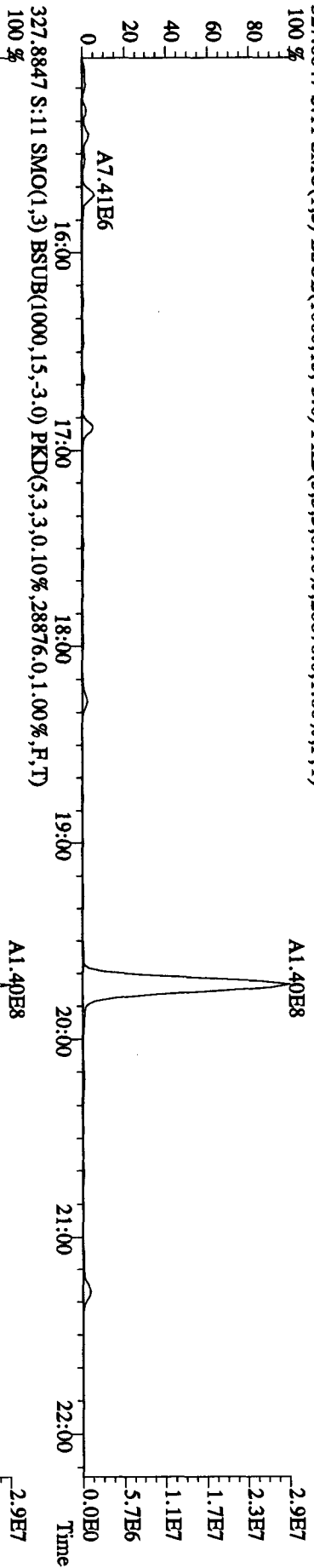
File: 27AP104D5 #1-435 Acq: 27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text: LXXXK4-1-AD :GOD140422-7 Exp: DIOXINRES8290A
 303.9016 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,21940,0,1.00%,F,T) 100%
 A2.07E8



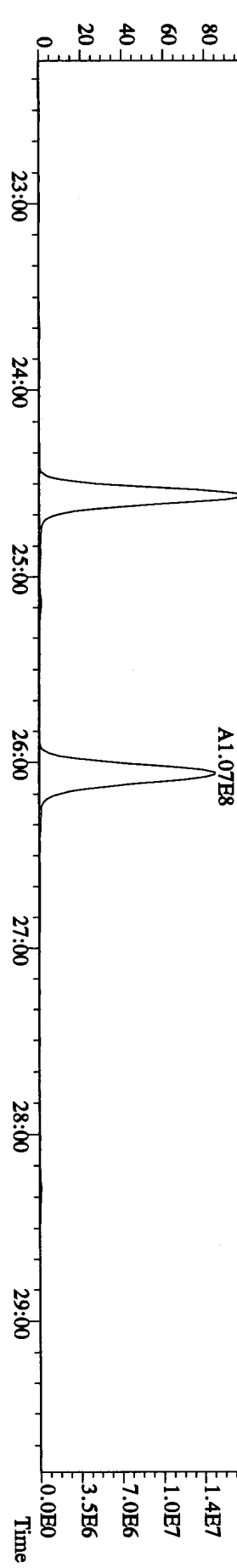
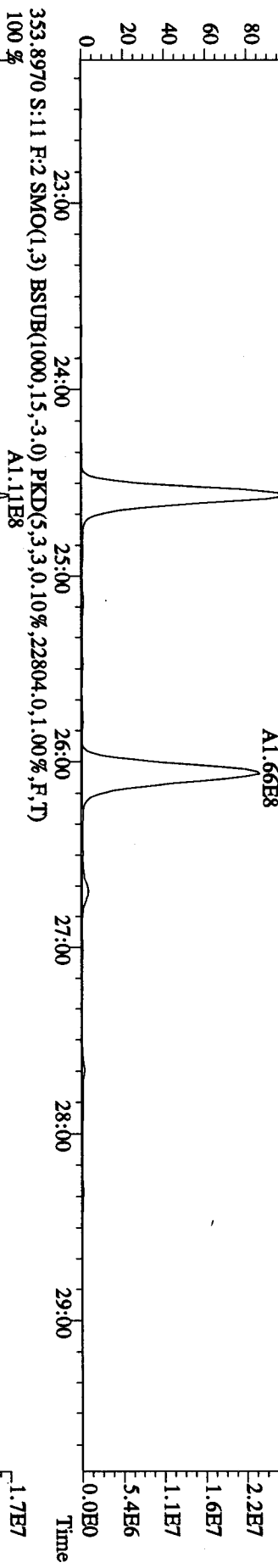
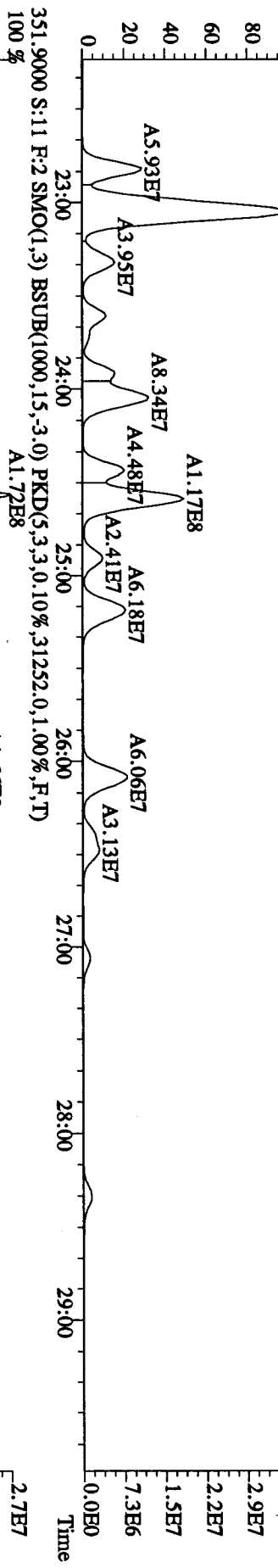
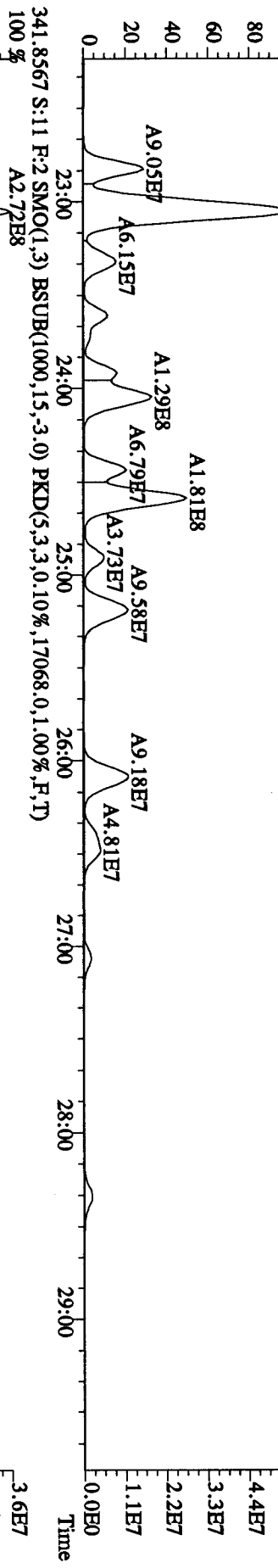
File: 27ADP104D5 #1-435 Acq: 27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text: LXXX4-1-AD :G0D140422-7 Exp: DIOXINRES8290A
 319.8965 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5664.0,1.00%,F,T)



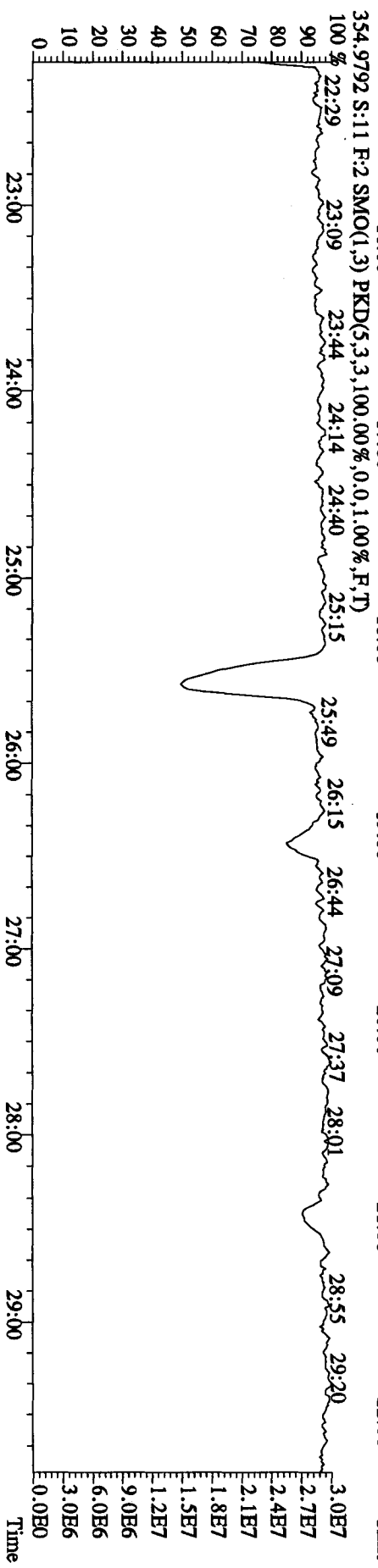
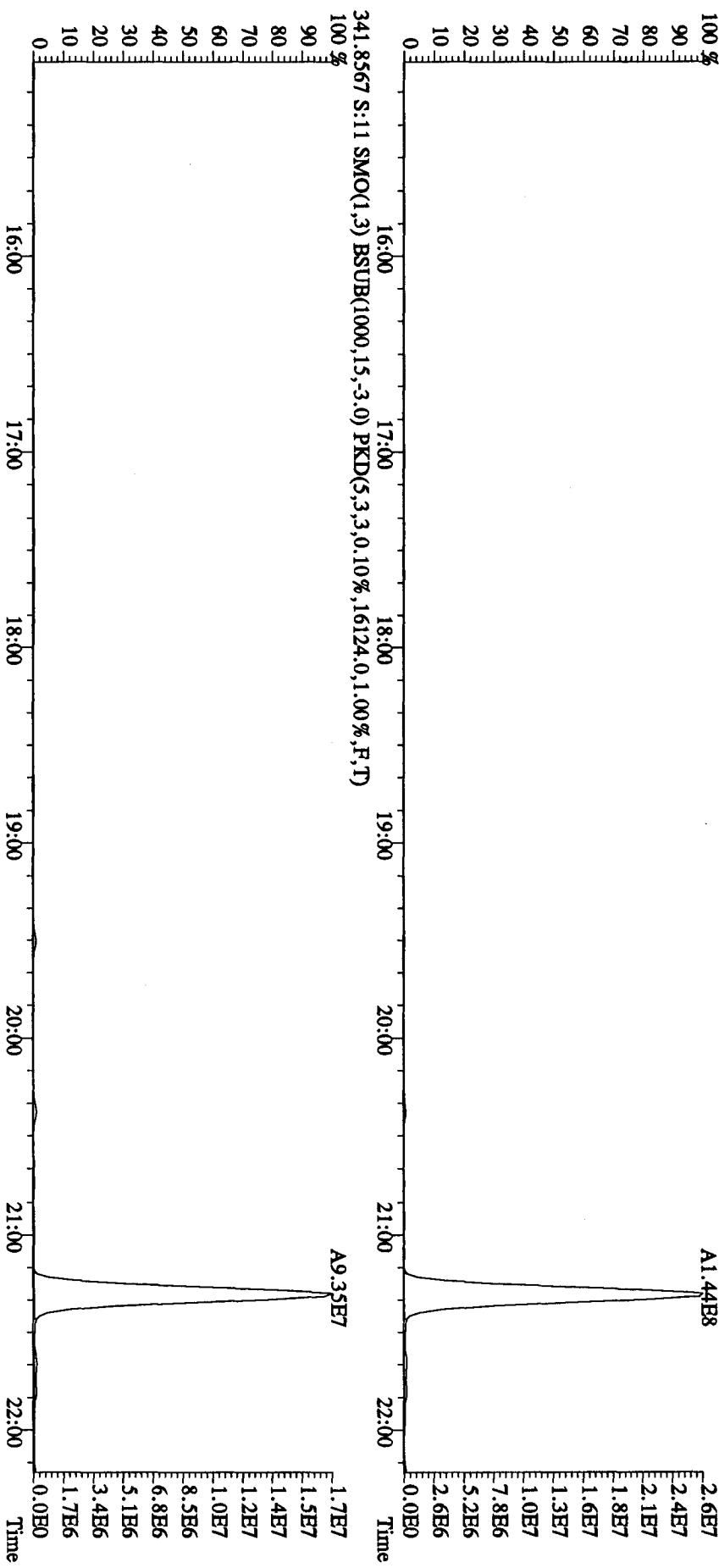
File: 27AP104D5 #1-435 Acq: 27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text: LXXXK4-1-AD :GOD140422-7 Exp: DIOXINRES8290A
 327.8847 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,28876,0,1,00%,F,T)



File:27AP104D5 #1-604 Acq:27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:1XXK4-1-AD :G0D140422-7 Exp:DIOXINRES8290A
 339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20508,0.1,00%,F,T) 100%

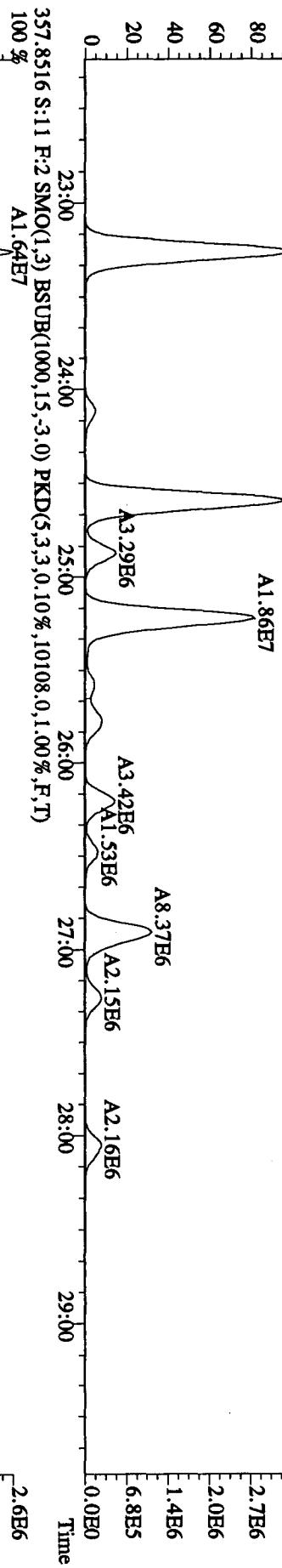


File: 27AP104D5 #1-435 Acq: 27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#11 Text: LXXX4-1-AD :G0D140422-7 Exp: DIOXINRES8290A
 339.8597 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3612,0,1,00%,F,T)

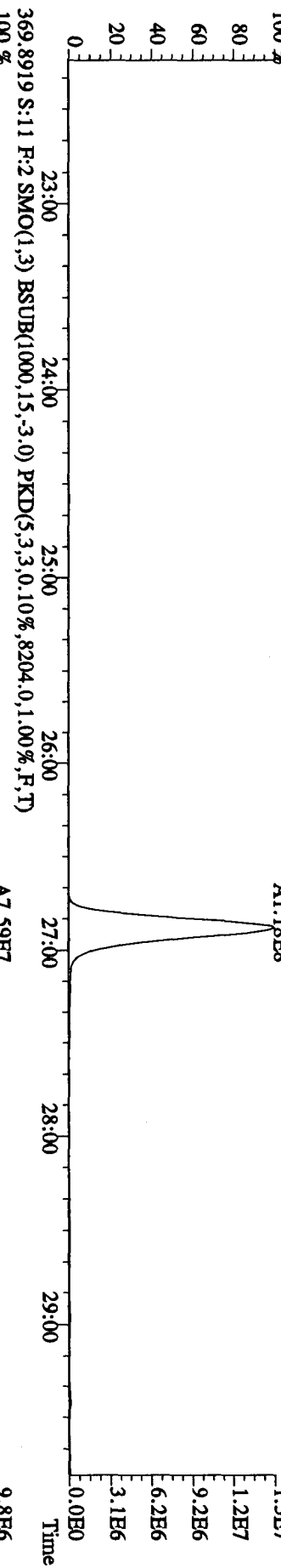


File:27AP104D5 #1-604 Acq:27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#11 Text:LXXK4-1-AD :GDD140422-7 Exp:DIOXINRES8290A

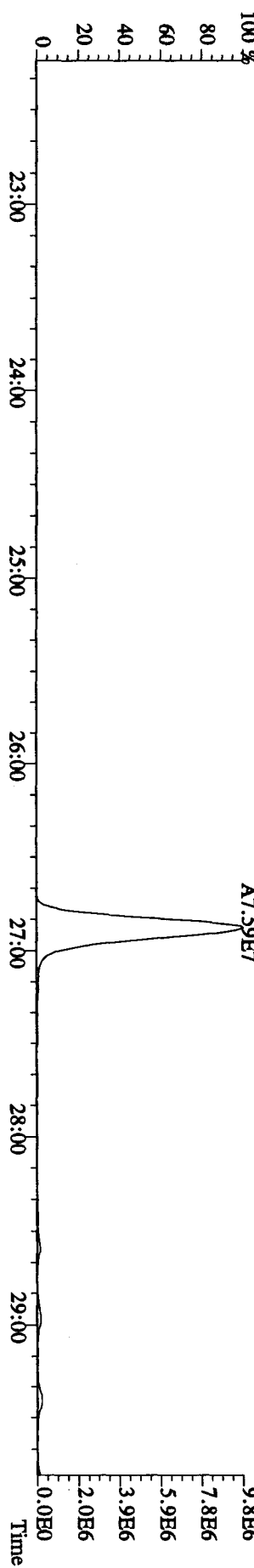
355.8546 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7280,0,1,00%,F,T)
 100 %



367.8949 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5144,0,1,00%,F,T)
 100 %

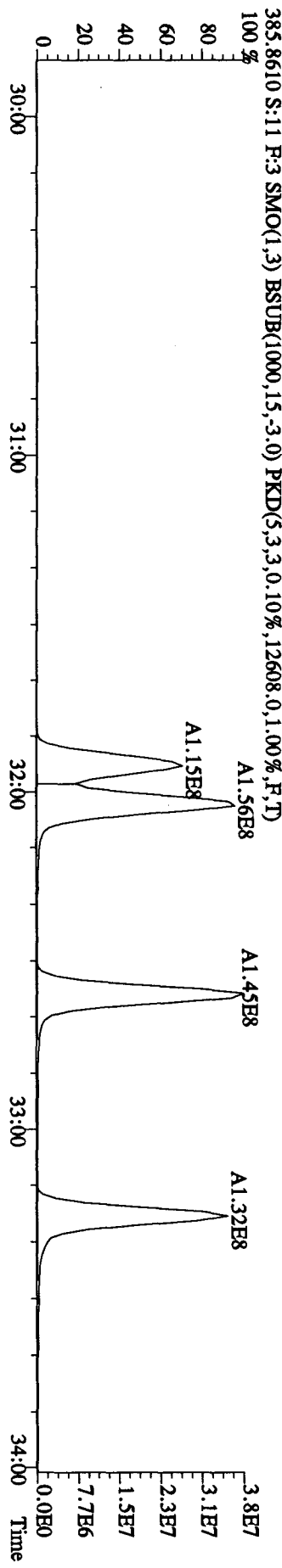
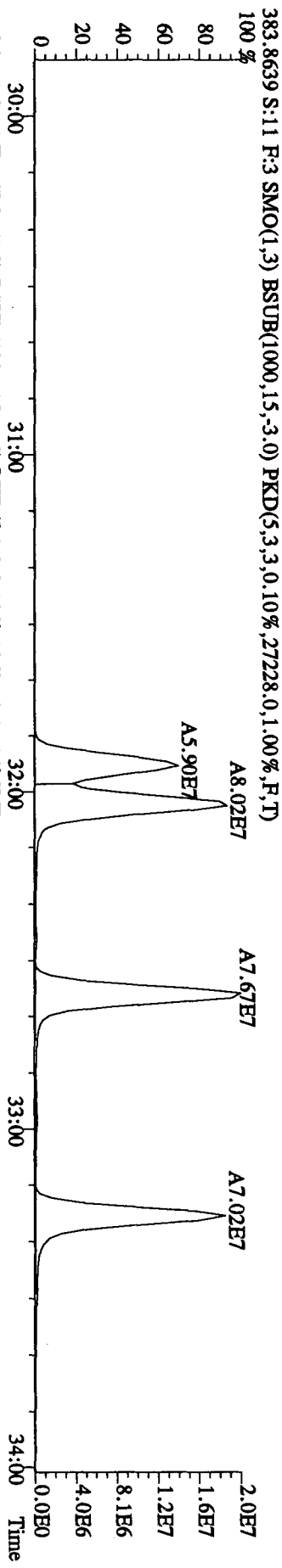
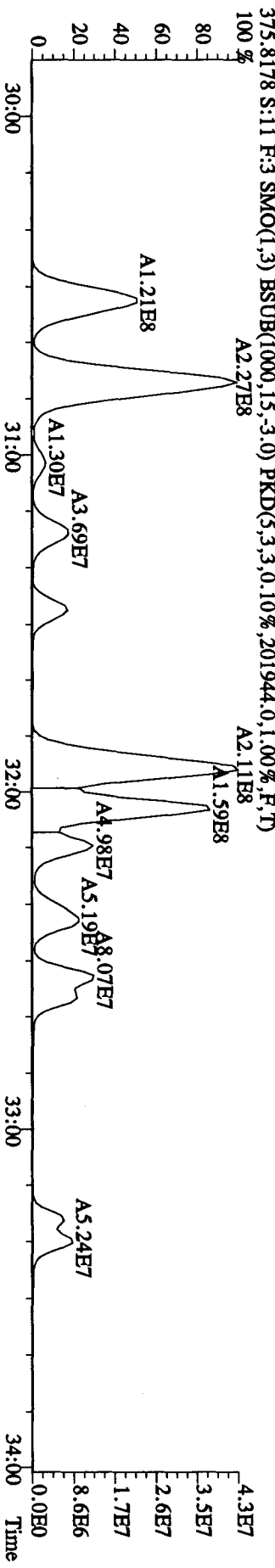
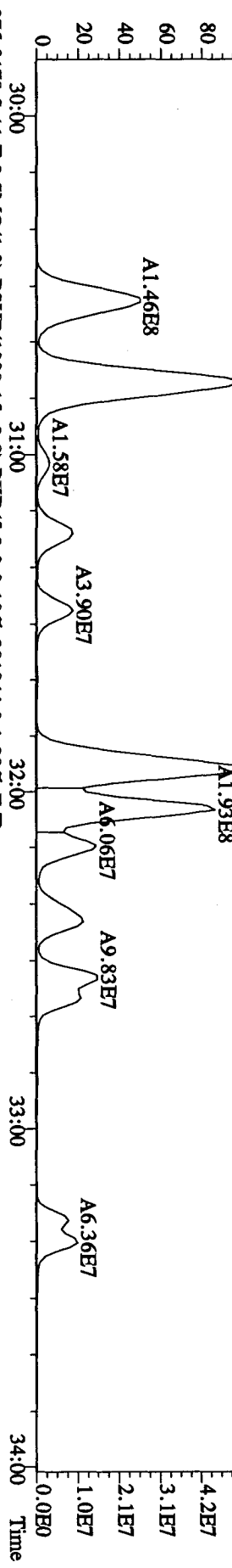


369.8919 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8204,0,1,00%,F,T)
 100 %



File:27AP104D5 #1-317 Acq:27-APR-2010 19:13:38 GC:EI+ Voltage:50V Autospec:UltimaB
 Sample#11 Text:LXXK4-1-AD :G0D140422-7 Exp:DIOXINRES8290A

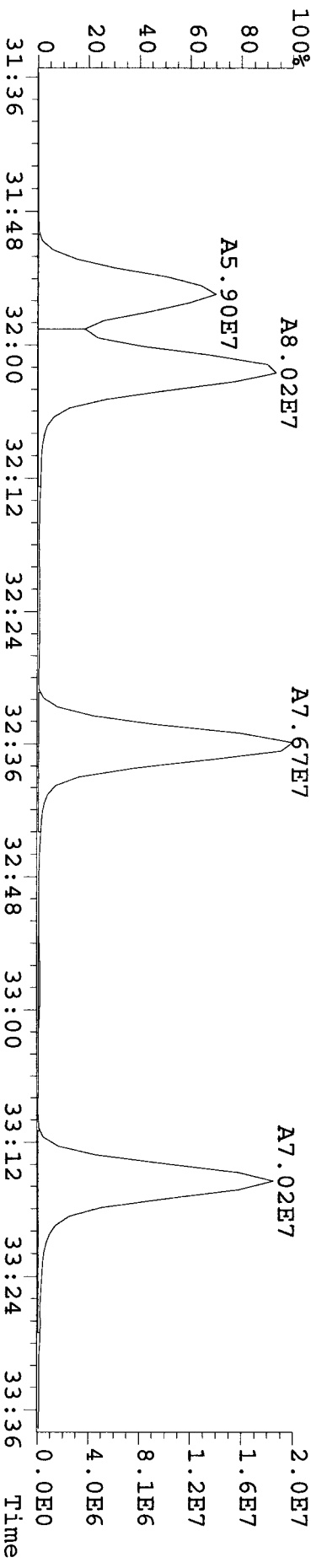
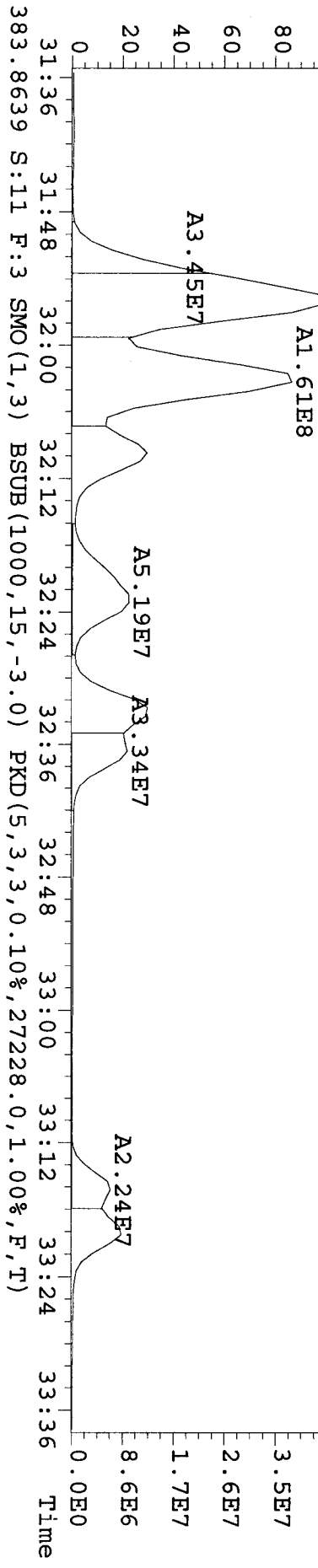
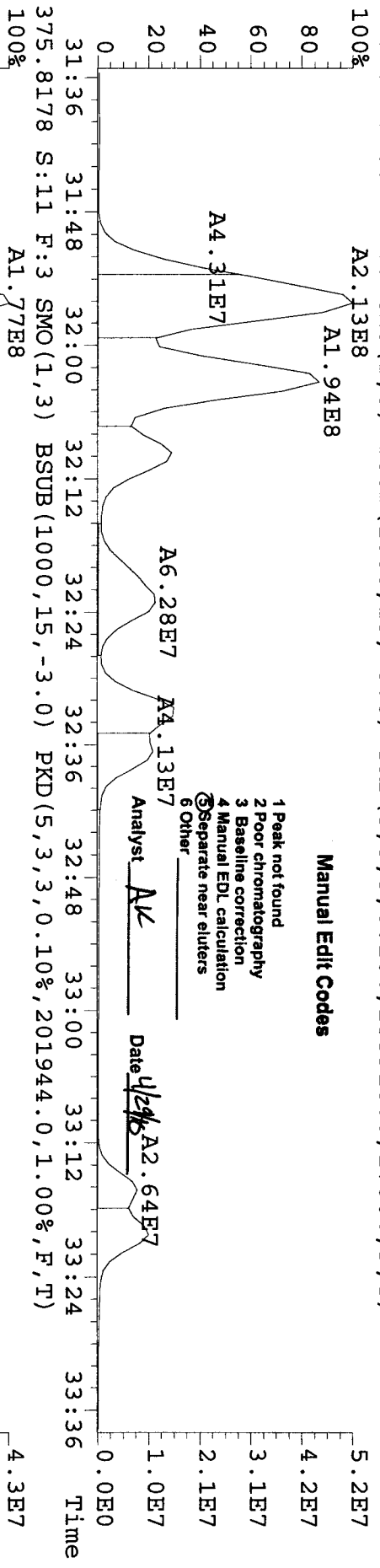
373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,233916,0,1,00%,F,T)
 100%



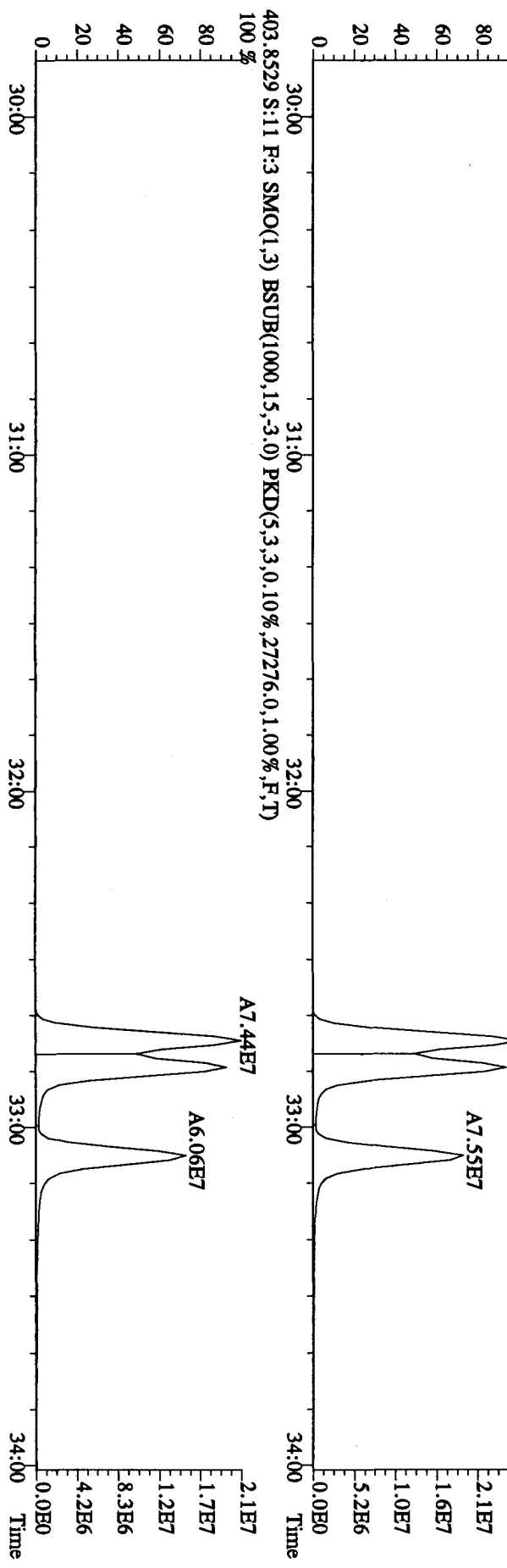
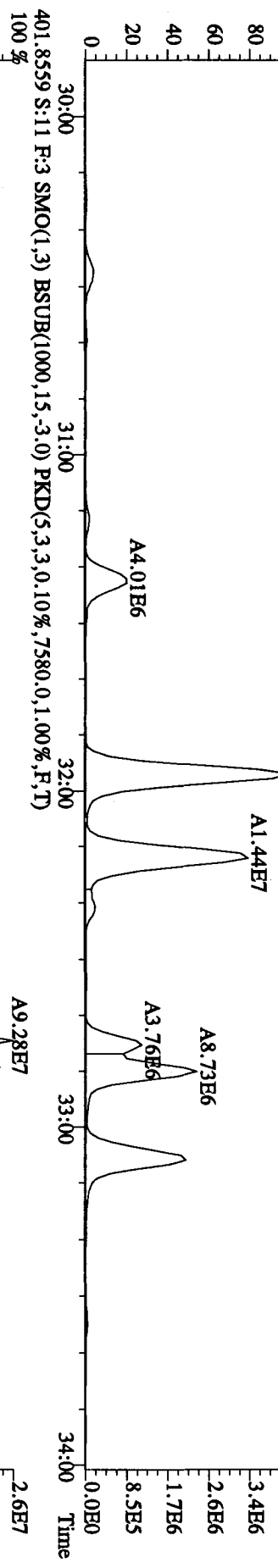
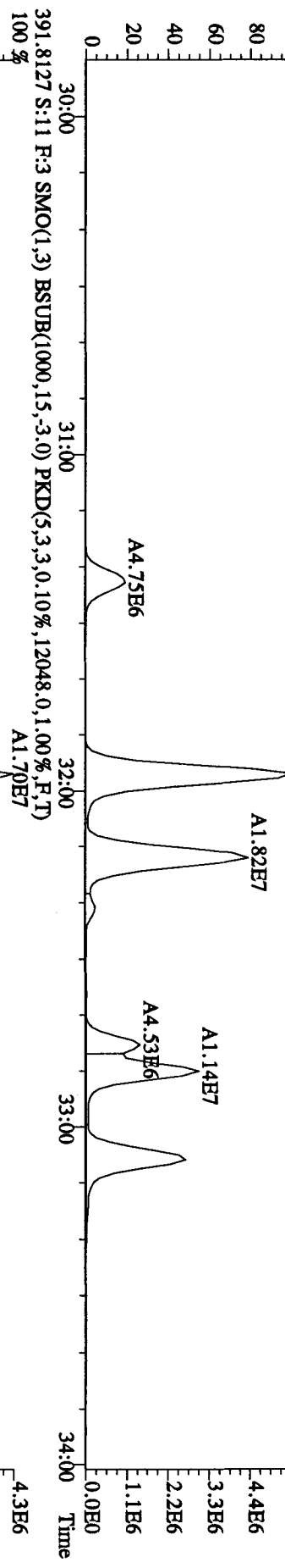
File: 27API04D5 #1-317 Acq: 27-APR-2010 19:13:38 GC FI+ Voltage SIR Autospec-UltimaE
 Sample#11 Text: LXXX4-1-AD : GOD140422-7 Exp: DIOXINRES8290A
 373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,233916.0,1.00%,F,T)
 100%

Manual Edit Codes

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



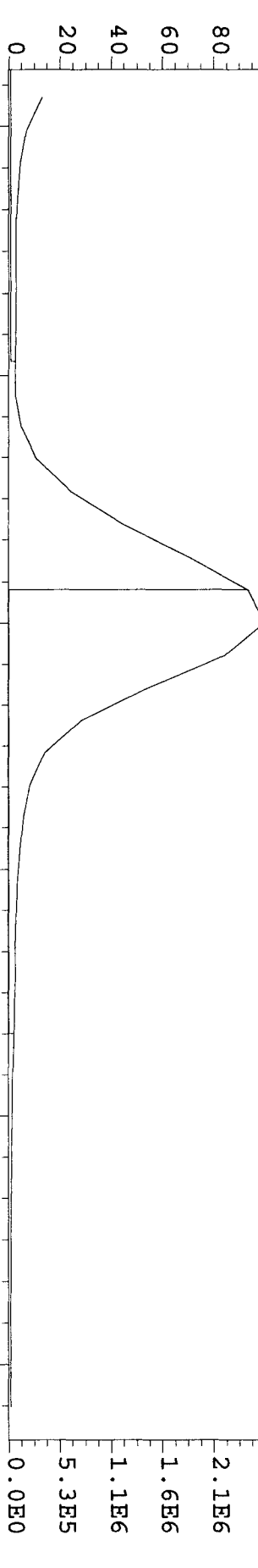
File:27AP104D5 #1-317 Acq:27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#11 Text:LXXXK4-1-AD :GOD140422-7 Exp:DIOXINRES8290A
 389.8157 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7404,0.1,0.00%,F,T) 100%
 A2.21E7



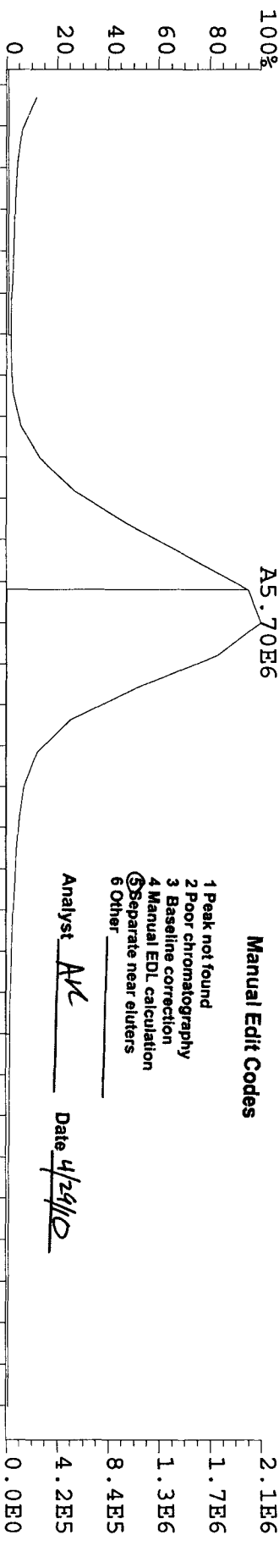
File: 27API04D5 #1-317 Acq: 27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-UltimaE

Sample#11 Text: LXXK4-1-AD : GOD140422-7 Exp: DIOXINRES8290A

389.8157 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7404.0,1.00%,F,T)



391.8127 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12048.0,1.00%,F,T)

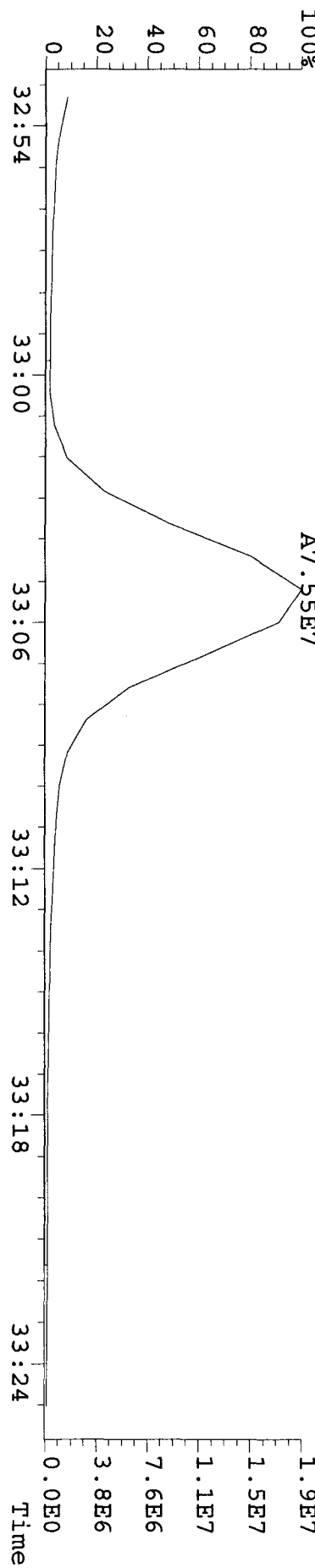


Manual Edit Codes

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

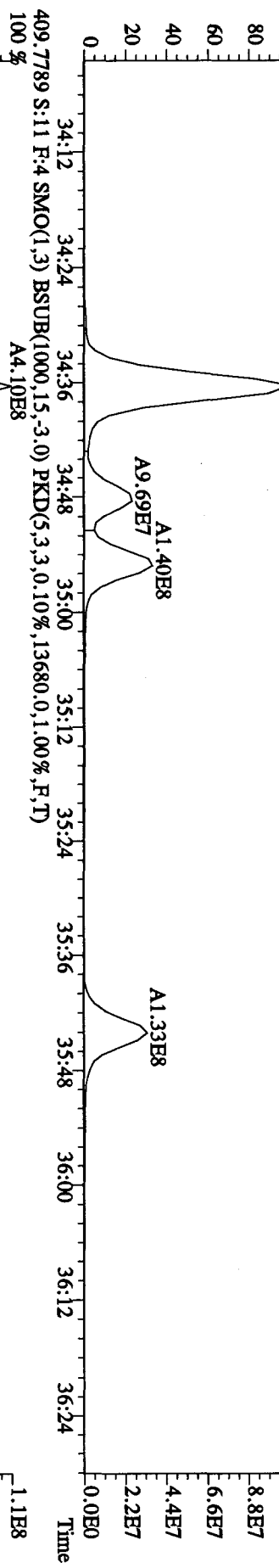
Analyst AV Date 4/29/10

401.8559 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7580.0,1.00%,F,T)

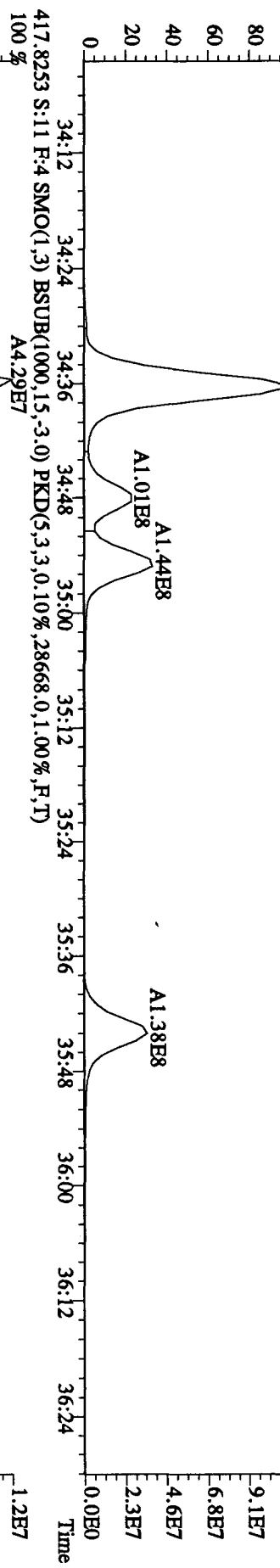


File:27AP104D5 #1-197 Acq:27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:LXXX4-1-AD :G0D140422-7 Exp:DIOXINRS8290A

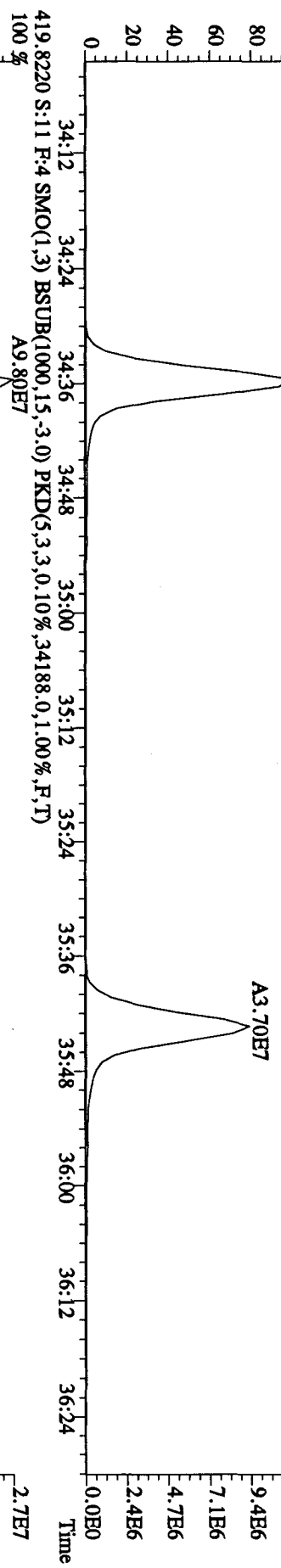
407.7818 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,51980.0,1.00%,F,T)
100%



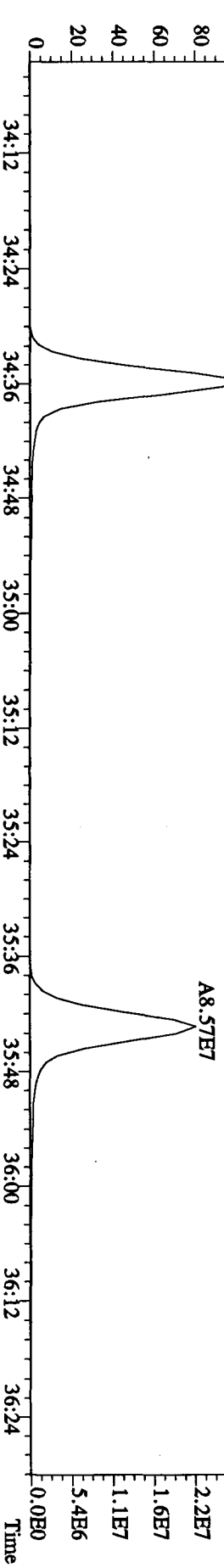
409.7789 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13680.0,1.00%,F,T)
100%



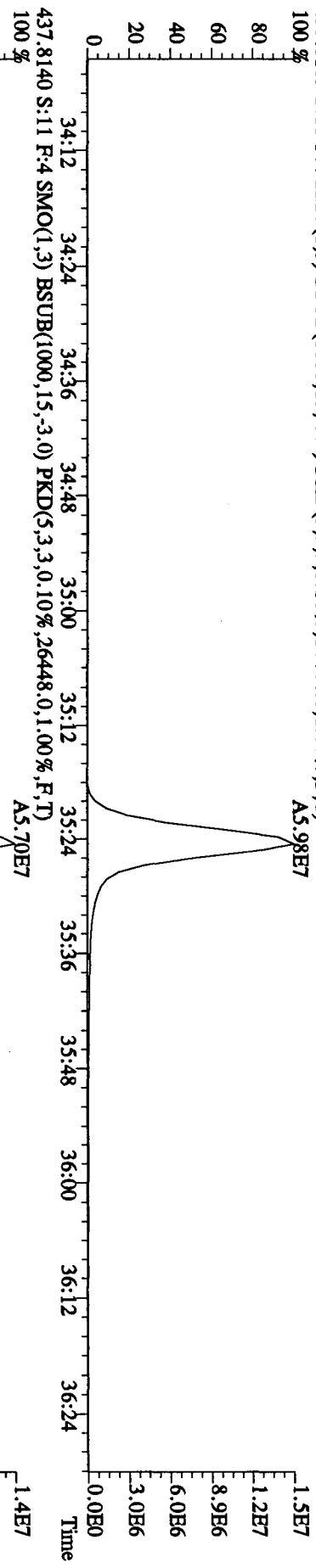
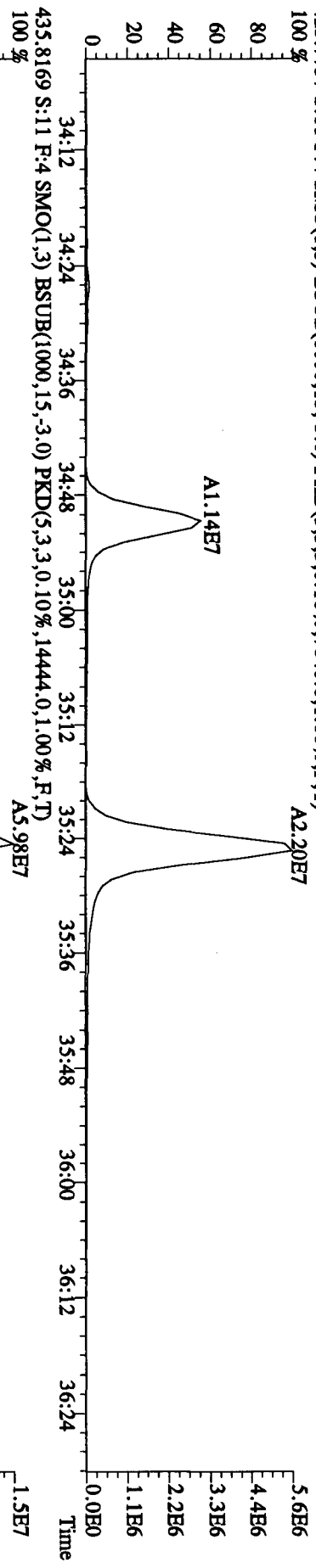
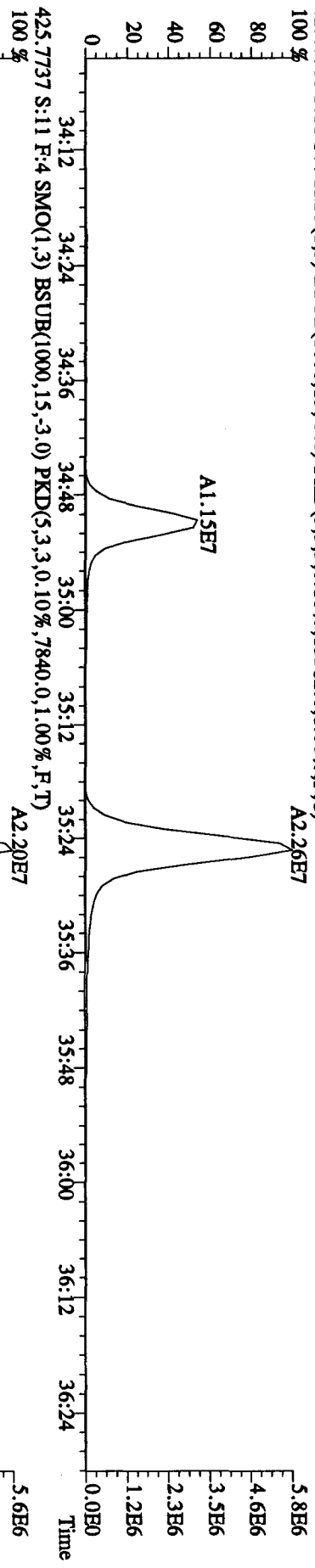
417.8253 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28668.0,1.00%,F,T)
100%



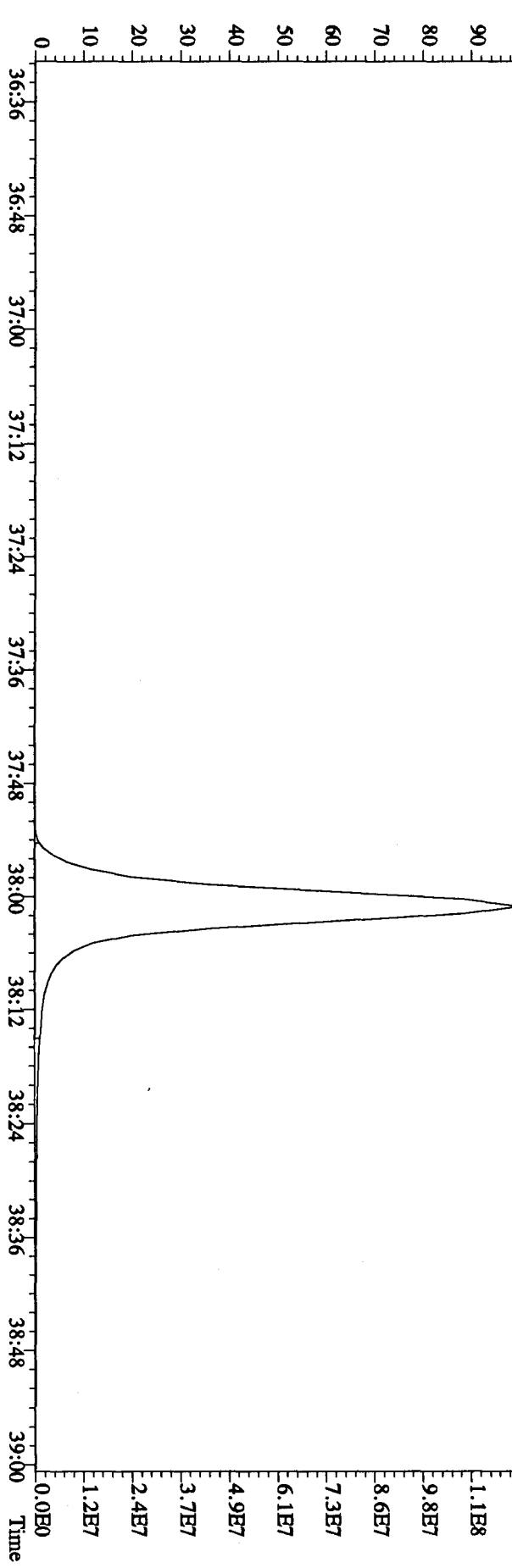
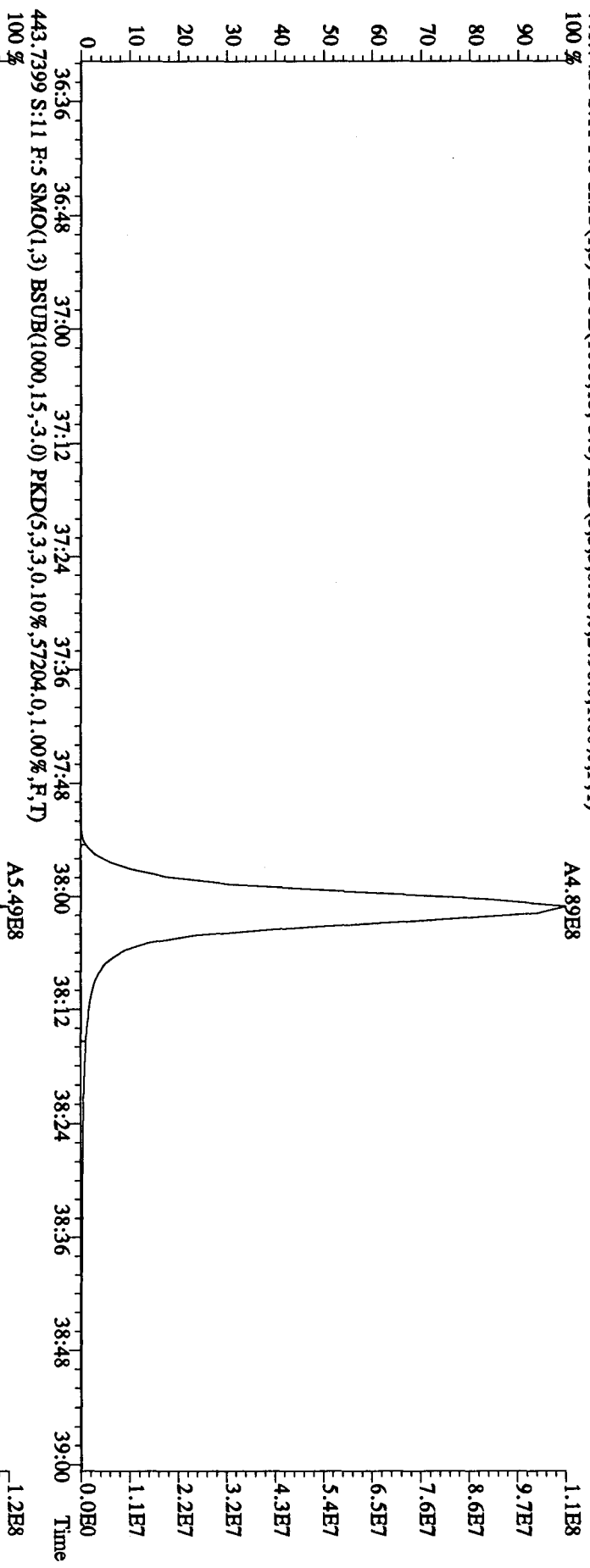
419.8220 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34188.0,1.00%,F,T)
100%



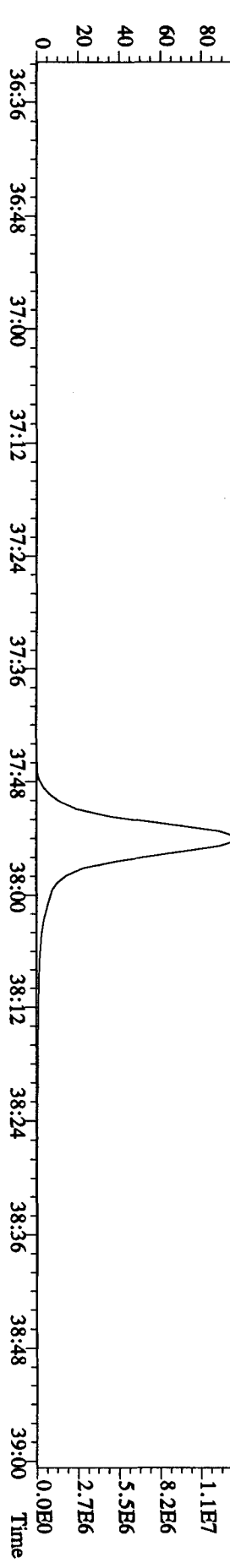
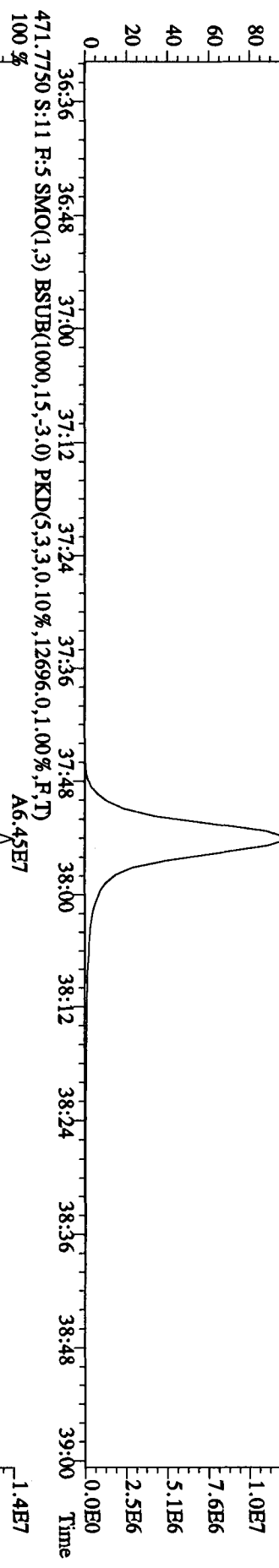
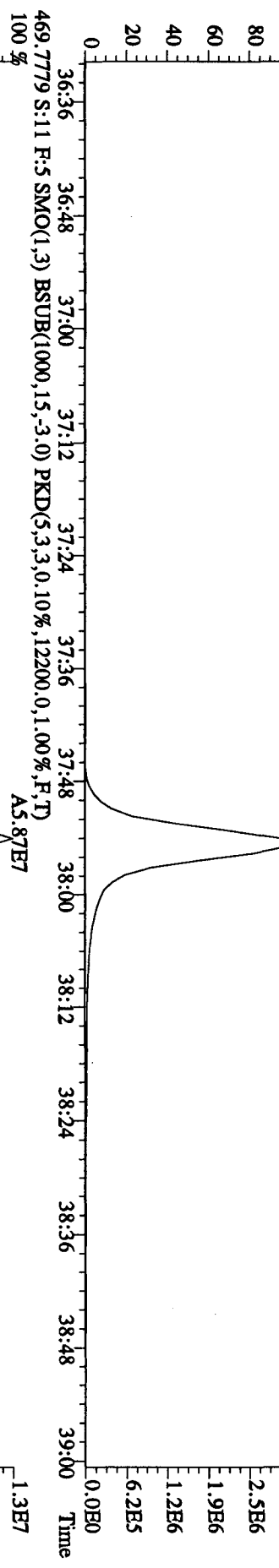
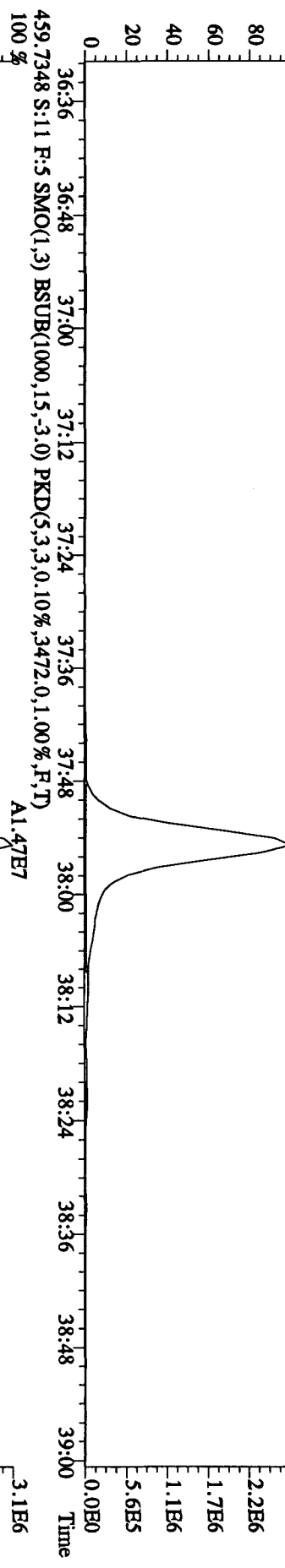
File:27AP104D5 #1-197 Acq:27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:LXXX4-1-AD :GOD140422-7 Exp:DIOXINRES8290A
423.7766 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15312.0,1.00%,F,T)



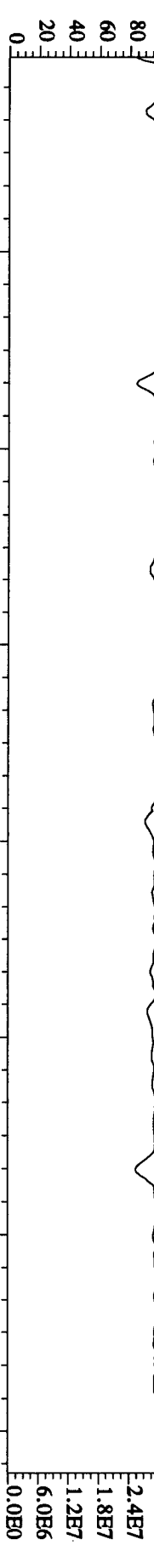
File: 27AP104D5 #1-191 Acq: 27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text: LXXX4-1-AD :GOD140422-7 Exp: DIOXINRES8290A
 441.7428 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2496.0,1.00%,F,T)



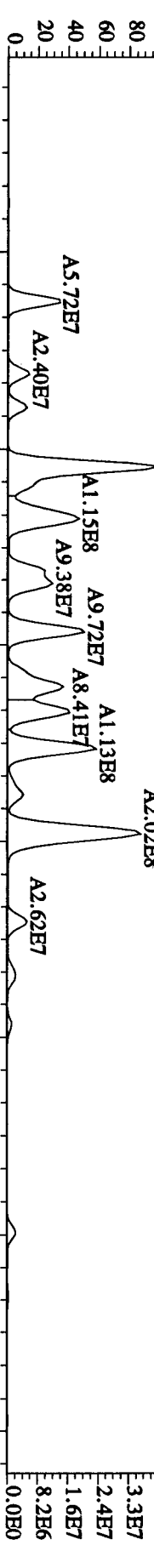
File: 27AP104D5 #1-191 Acq: 27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text: LXXK4-1-AD :GOD140422-7 Exp: DIOXINRES8290A
 457.7377 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)
 100 %



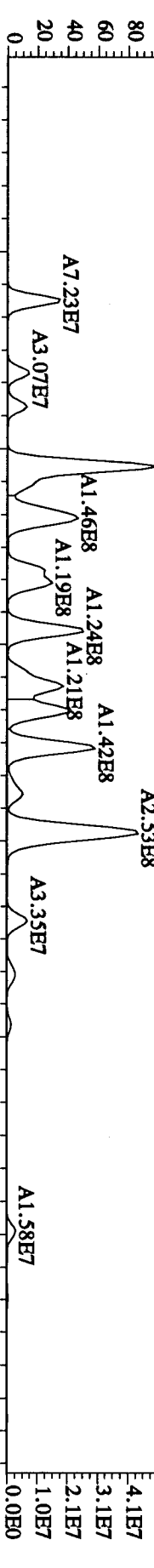
354.9792 S:11 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T) 15:45 16:08 16:47 17:14 17:49 18:15 18:47 19:21 19:47 20:18 20:54 21:16 21:56



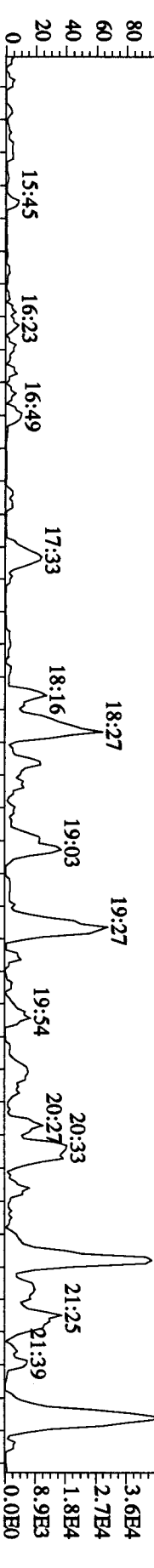
303.9016 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21940,0,1,00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00



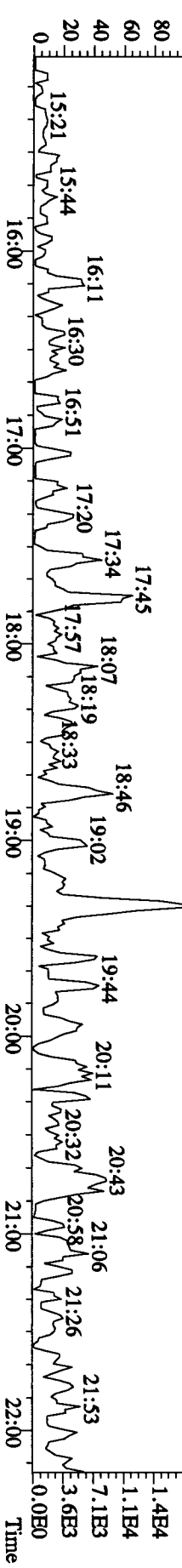
305.8987 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,19212,0,1,00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00



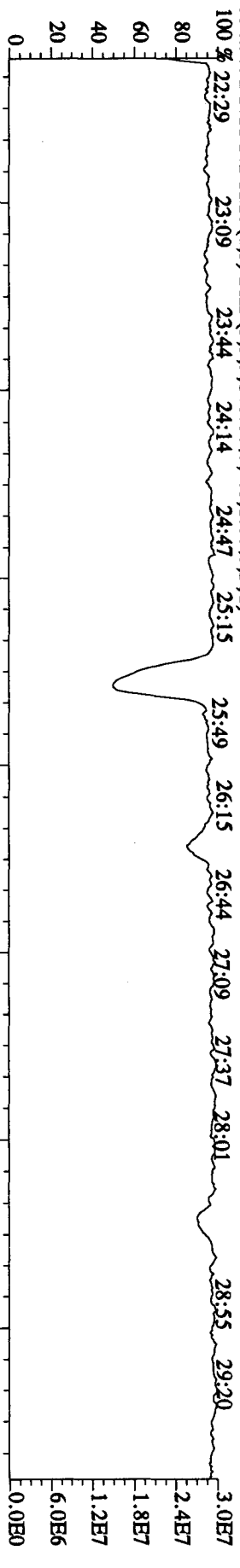
375.8364 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,144,0,1,00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00



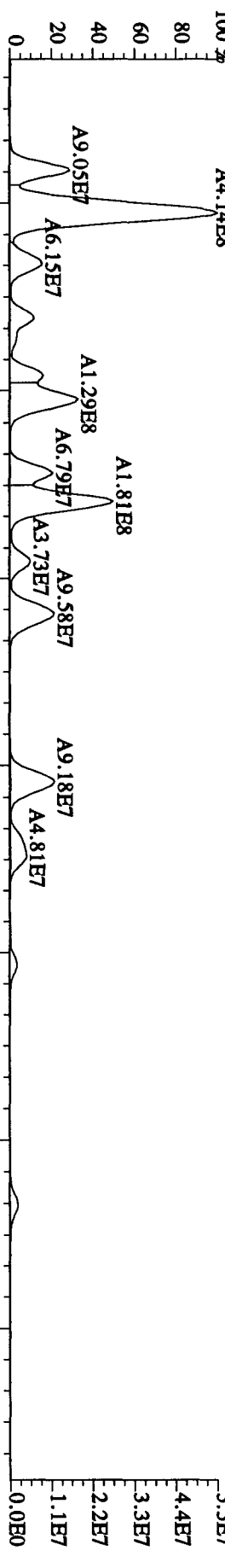
409.7974 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,4568,0,1,00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00



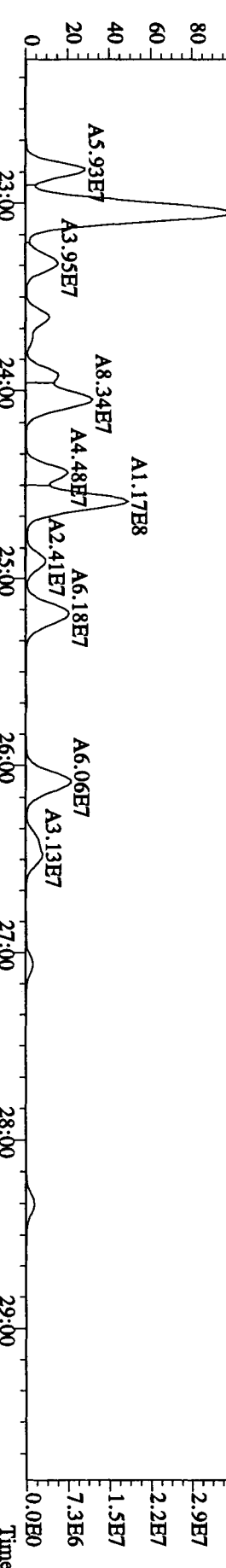
354.9792 S:11 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



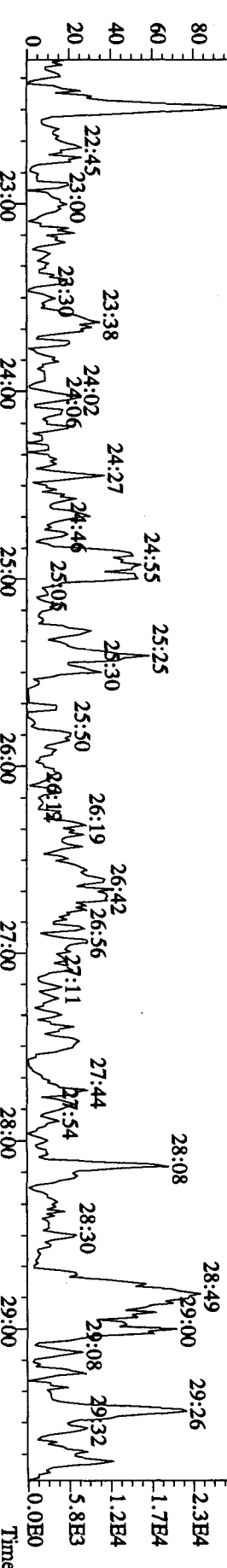
339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20508,0.1,0.0%,F,T)



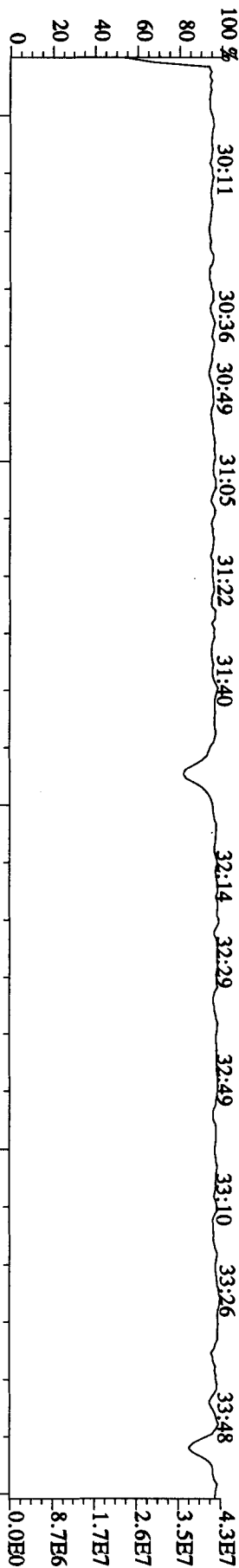
341.8567 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17068,0.1,0.0%,F,T)



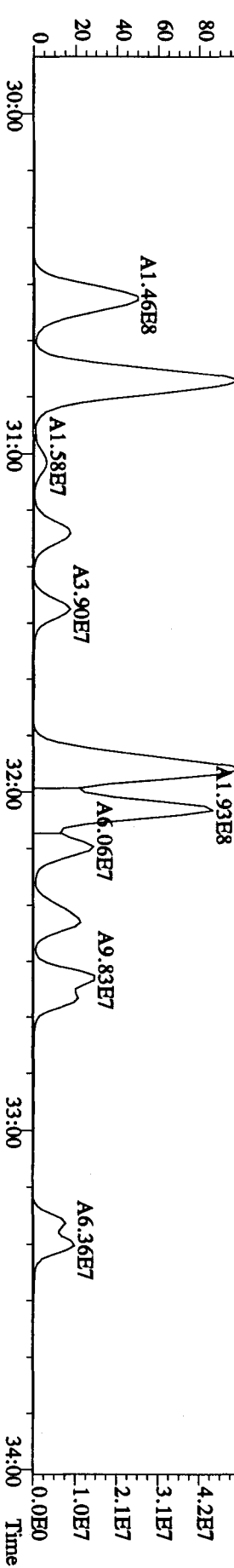
409.7974 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,6256,0.1,0.0%,F,T)



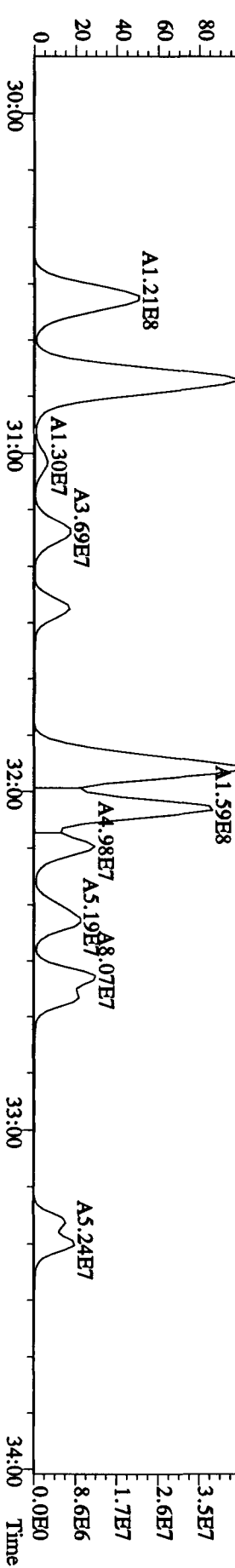
430.9728 S:11 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



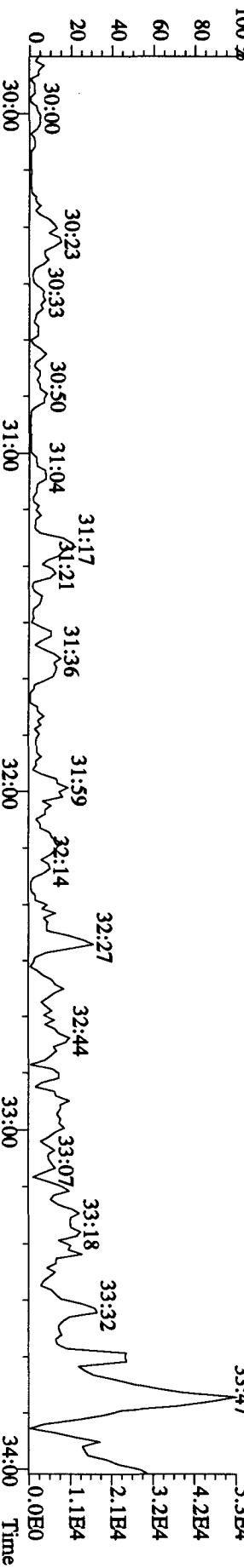
373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,233916.0,1.00%,F,T)

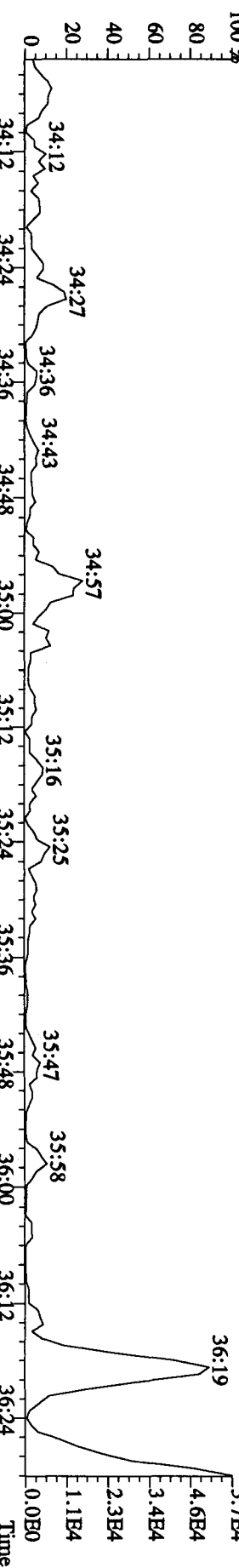
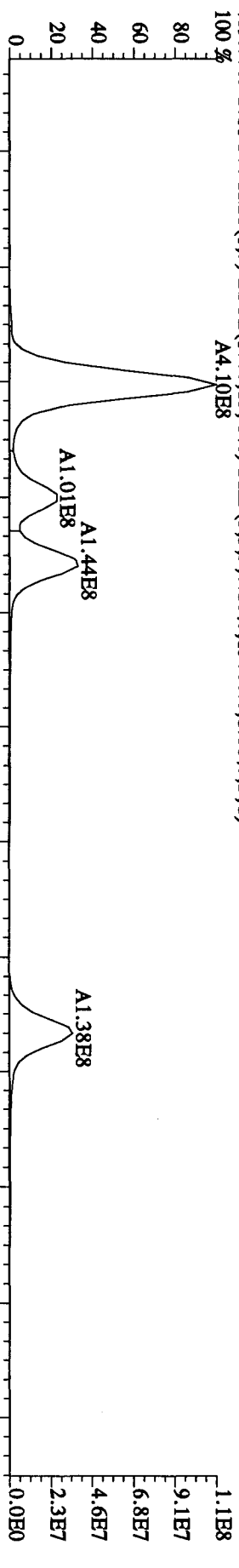
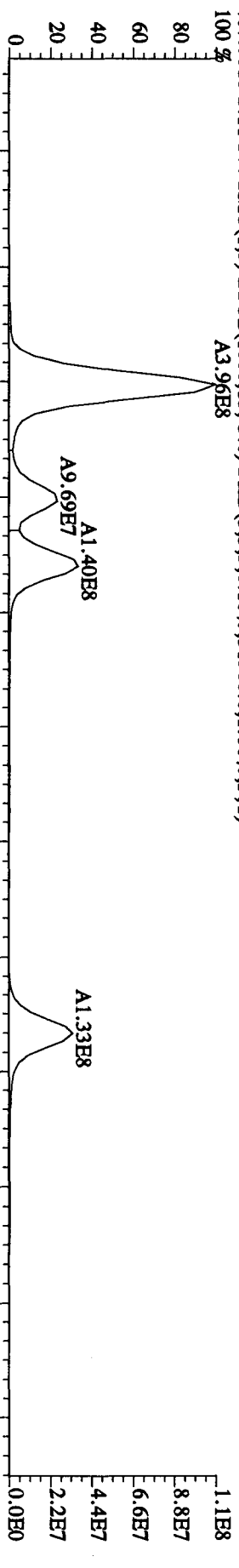
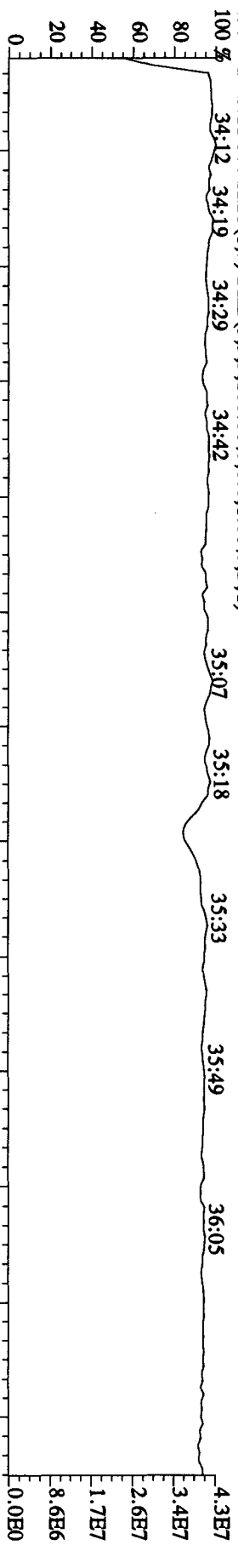


375.8178 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,201944.0,1.00%,F,T)

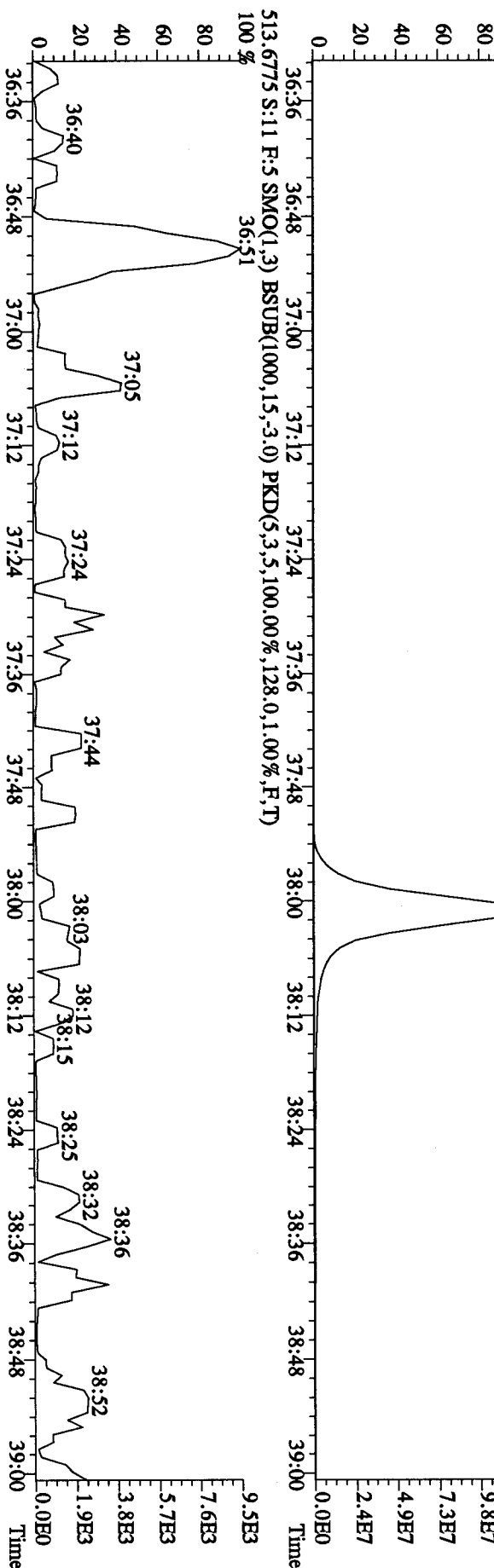
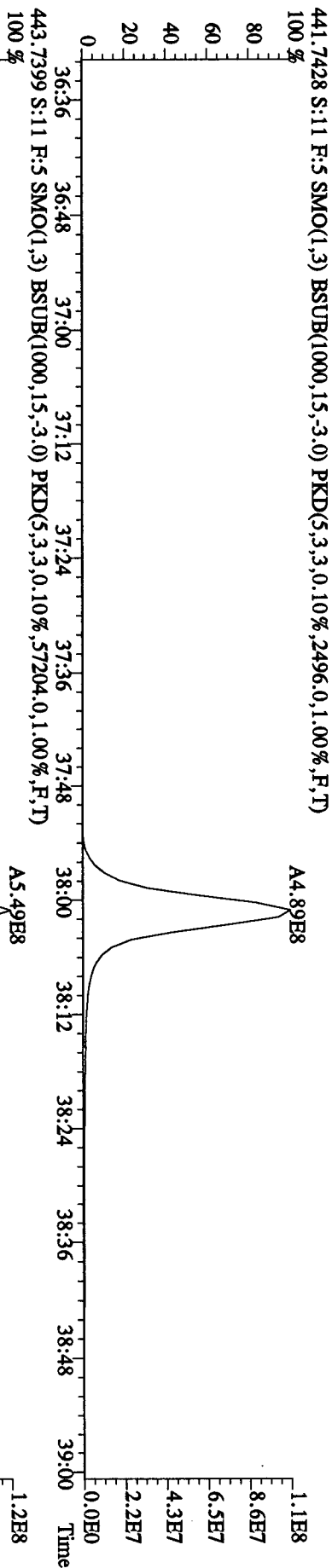
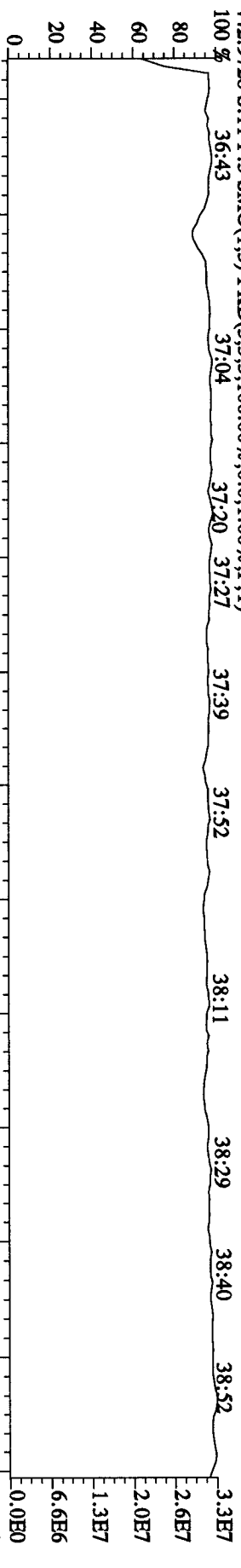


445.7555 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7708.0,1.00%,F,T)





File:27AP104D5 #1-191 Acq:27-APR-2010 19:13:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 Text:LXXX4-1-AD :GOD140422-7 Exp:DIOXINRES8290A
 442.9728 S:11 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 100% 36:43 37:04 37:20 37:27 37:39 37:52 38:11 38:29 38:40 38:52



Run text: LXXK4-1-AD Sample text: LXXK4-1-AD :G0D140422-7
 Run #12 Filename: 28AP105D2 S: 7 I: 1 Results:
 Acquired: 28-APR-10 13:15:40 Processed: 28-APR-10 16:11:40
 Run: 21AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.1000g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	54340088	0.78 y	14:56	-	5.41	-	-	n
13C-2,3,7,8-TCDF	146885100	0.80 y	16:08	2.11	127.06	0.35	64.2	n
2,3,7,8-TCDF	88212544	0.84 y	16:09	1.09	109.26	0.30	-	n
13C-2,3,7,8-TCDD	79605944	0.79 y	14:44	0.95	152.93	0.40	77.2	n
2,3,7,8-TCDD	3614238	0.84 y	14:46	1.36	6.62	0.24	-	n
37C1-2,3,7,8-TCDD	82208264	1.00 y	14:46	2.28	65.75	0.18	83.0	n

AK 4/29/10

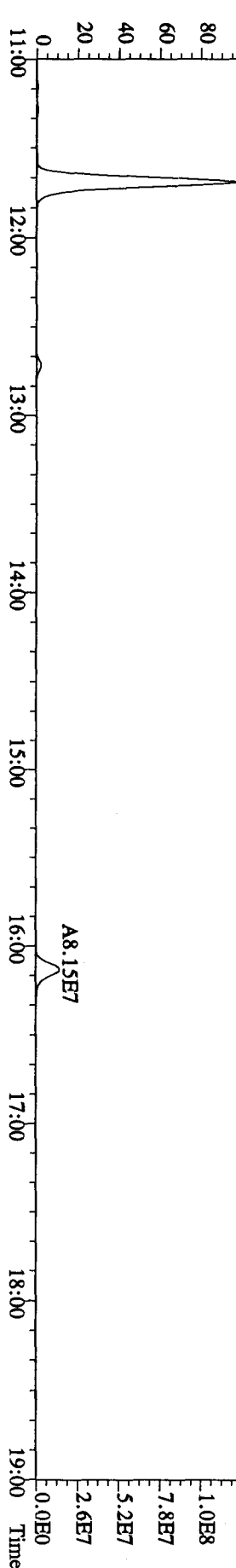
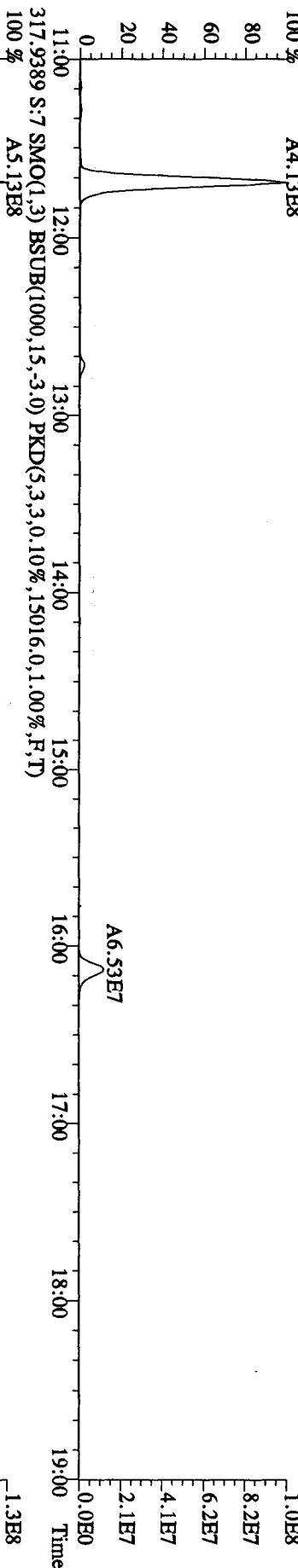
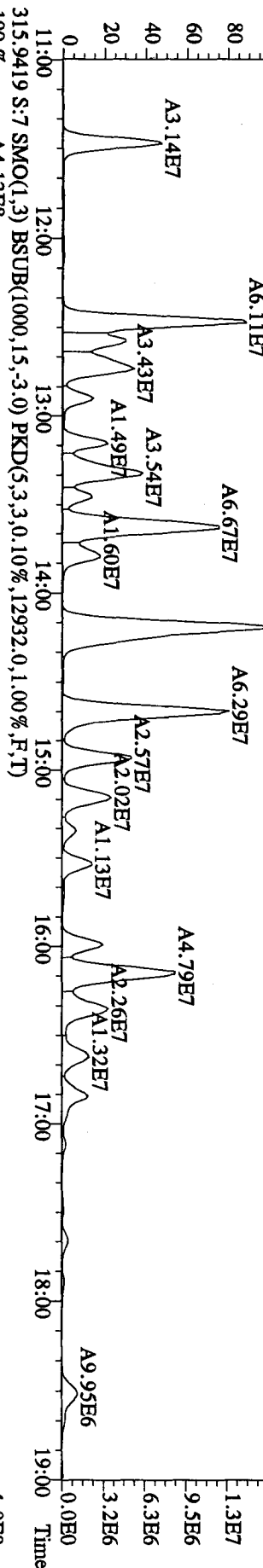
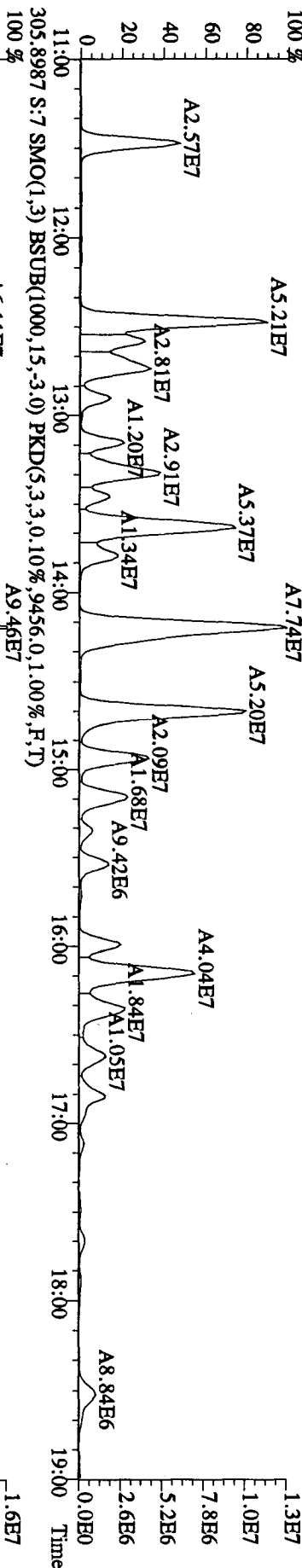
File:28AP105D2 #1-1241 Acq:28-APR-2010 13:15:40 GC EI+ Voltage SIR 70SE

Sample#7 Text:LXXK4-1-AD :G0D140422-7

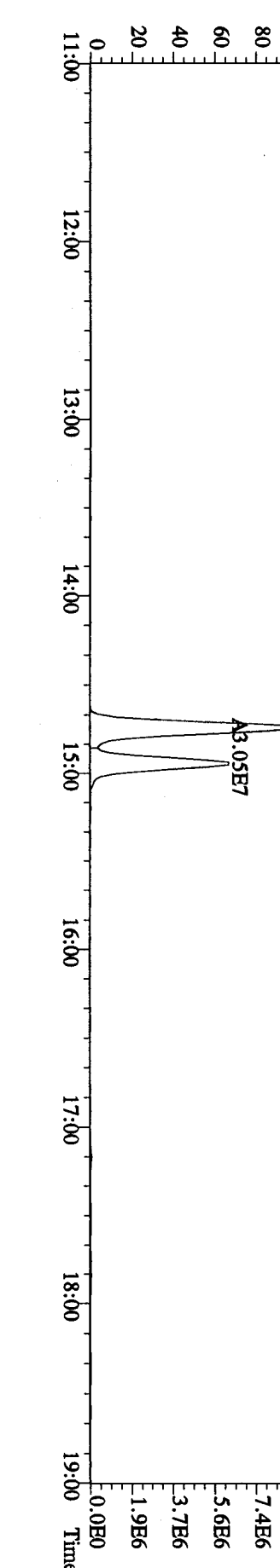
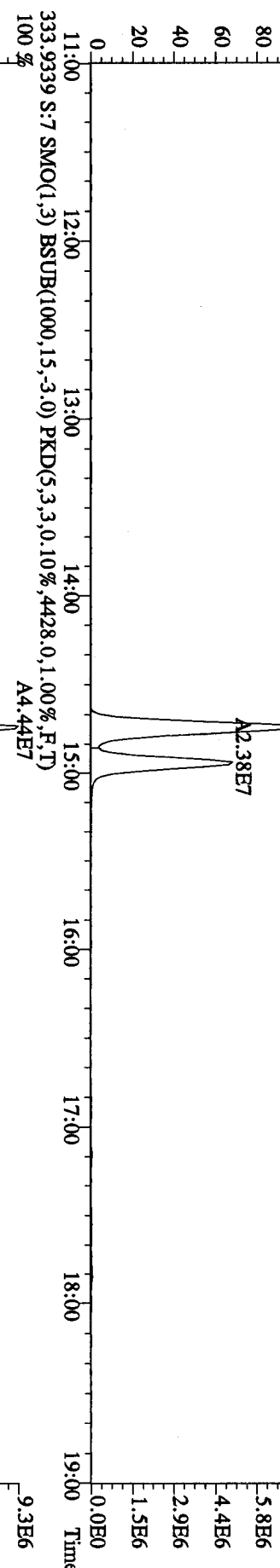
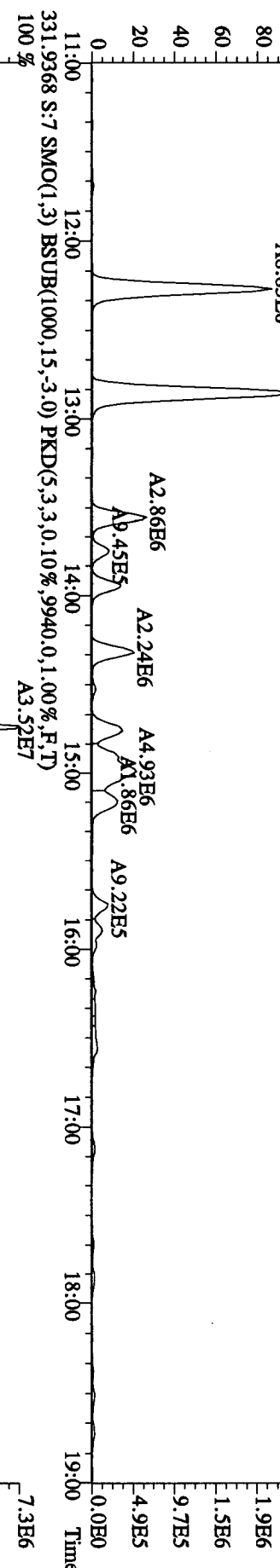
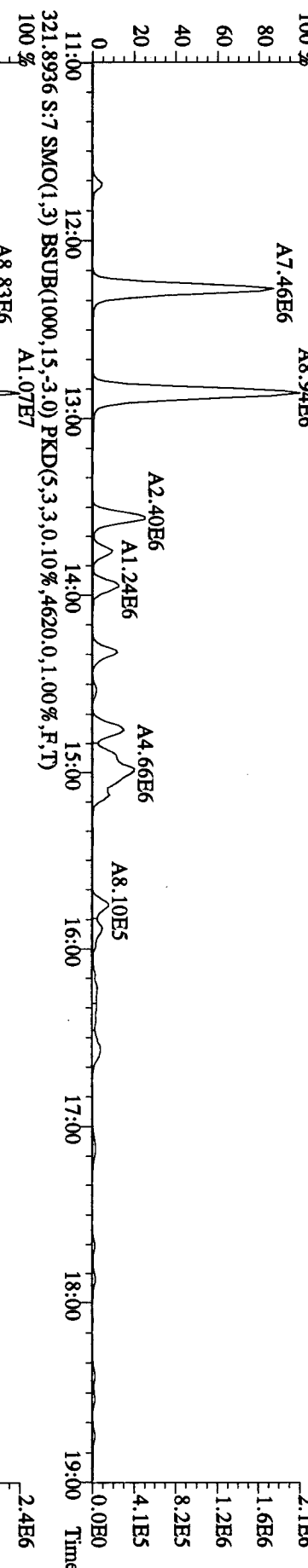
Exp:DB225RES

303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.5656,0,1,00%,F,T)

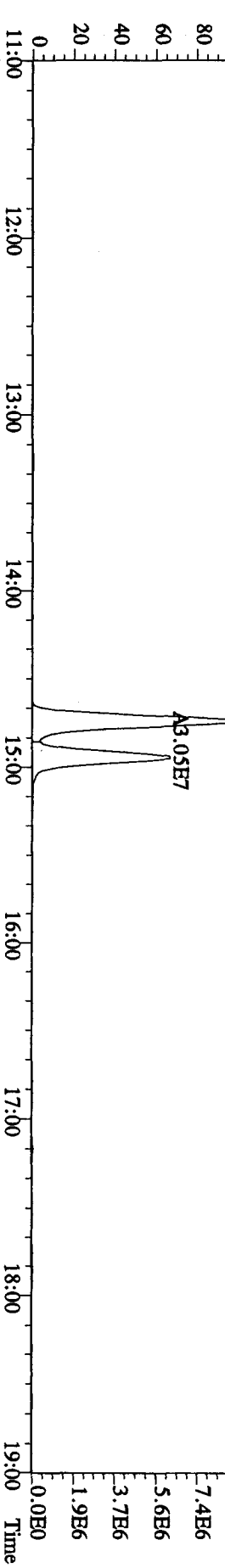
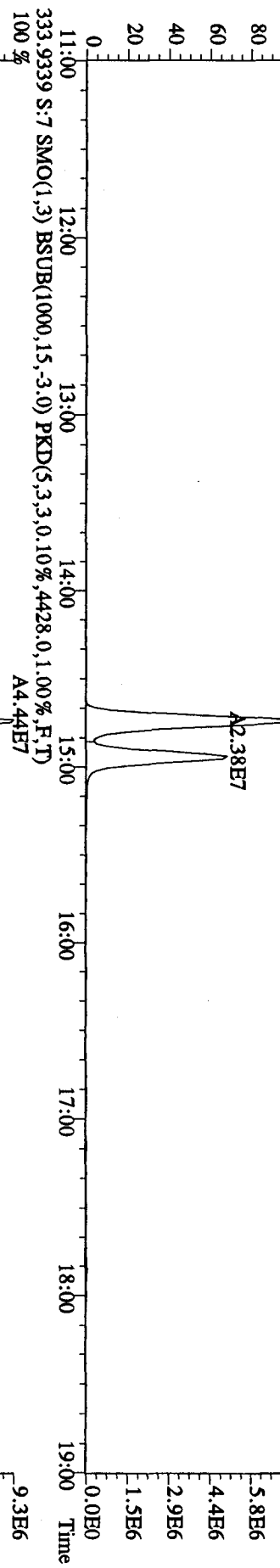
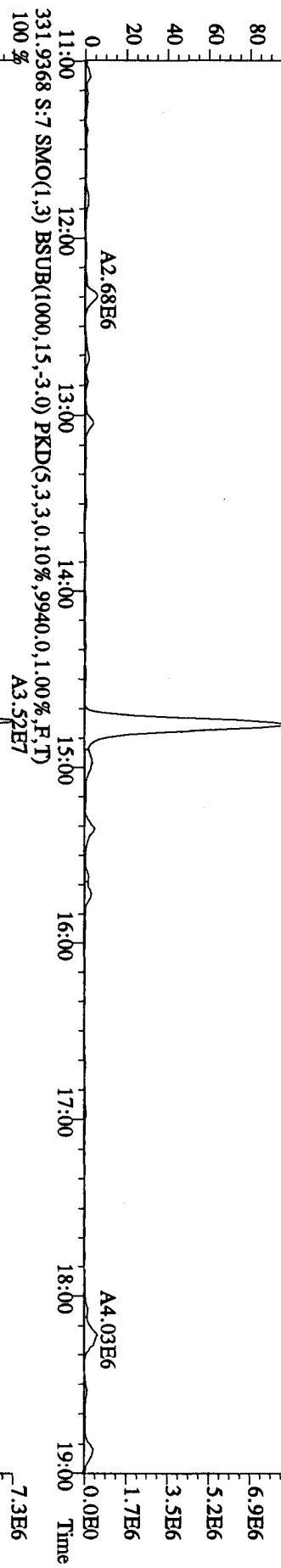
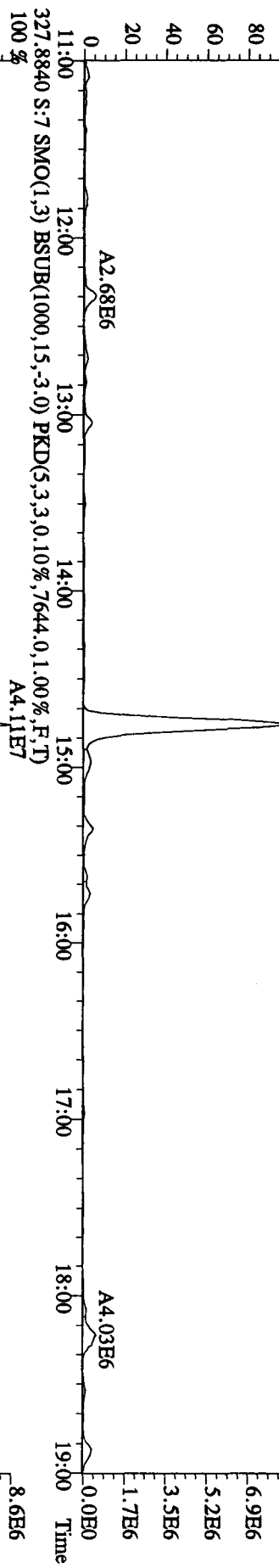
100 %



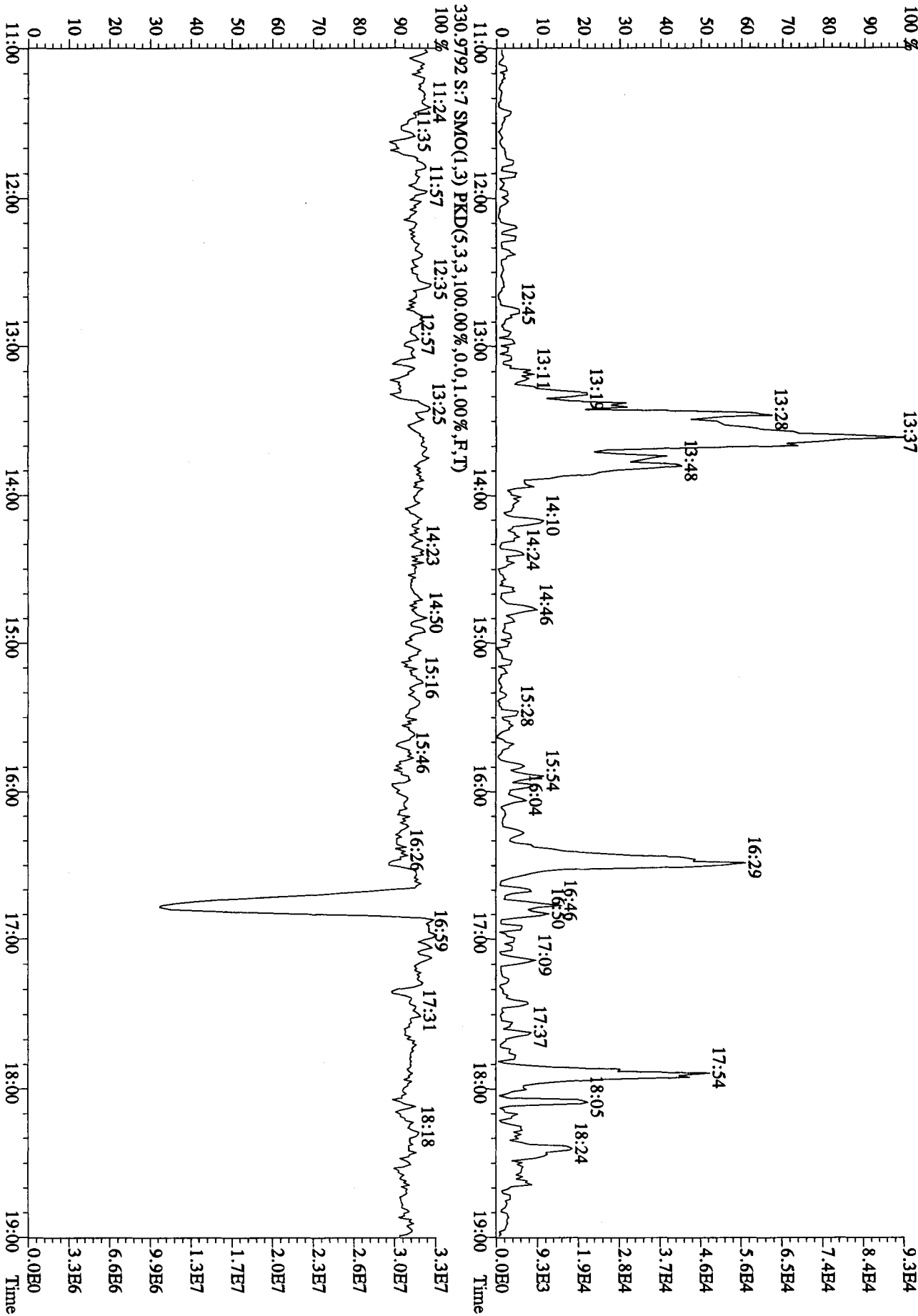
File:28AP105D2 #1-1241 Acq:28-APR-2010 13:15:40 GC EI+ Voltage SIR 70SE
 Sample#7 Text:LXXK4-1-AD :GOD140422-7 Exp:DB225RES
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4284.0,1.00%,F,T)
 100 %



File:28AP105D2 #1-1241 Acq:28-APR-2010 13:15:40 GC EI + Voltage SIR 70SE
 Sample#7 Text:LXXXK4-1-AD :G0D140422-7 Exp:DB225RES
 327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7644.0,1.00%,F,T)
 100% A4.11E7



File: 28AP105D2 #1-1241 Acq: 28-APR-2010 13:15:40 GC EI+ Voltage SIR 70SE
 Sample#7 Text: LXXXK4-1-AD : GOD140422-7 Exp: DB225RES
 375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1348.0,1.00%,F,T)
 100%



Run text: LXXLD-1-AD Sample text: LXXLD-1-AD :G0D140422-9
 Run #15 Filename: 27AP104D5 S: 12 I: 1 Results: 27ap104d58290a
 Acquired: 27-APR-10 19:57:40 Processed: 28-APR-10 10:30:26
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.24 g

AK 4/29/10

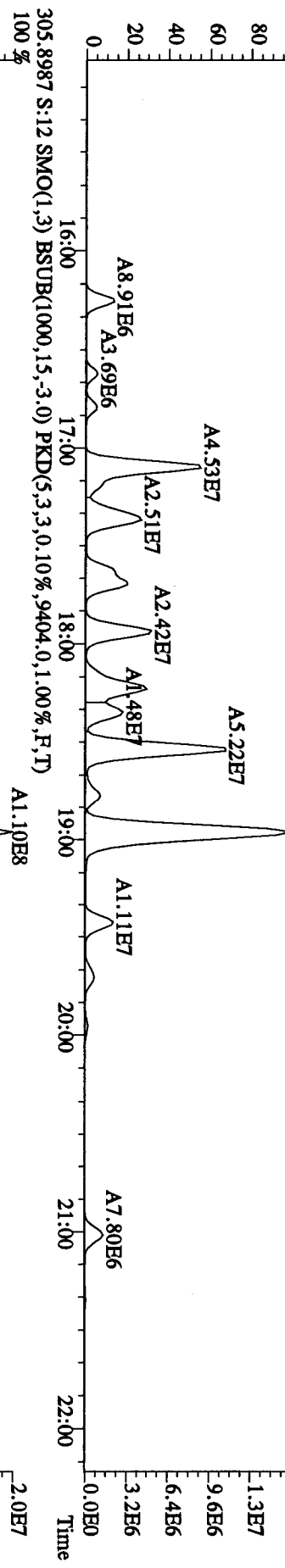
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	136776900	0.79 y	19:31	-	10.040	-	-	n
13C-2,3,7,8-TCDF	209159100	0.79 y	18:56	1.52	98.200	0.094	50.3	n
2,3,7,8-TCDF	197598100	0.80 y	18:58	0.95	195.191 <i>see 08225</i>	0.266	-	n
Total TCDF	790624429	0.81 y	16:16	0.95	780.991	0.266	-	n
13C-2,3,7,8-TCDD	145870900	0.80 y	19:43	0.95	109.667	0.139	56.1	n
2,3,7,8-TCDD	1736374	0.73 y	19:44	1.02	12.277	0.089	-	n
Total TCDD	34904225	0.80 y	17:15	1.02	45.773	0.089	-	n
37Cl-2,3,7,8-TCDD	182861000	1.00 y	19:44	2.26	57.736	0.068	73.9	n
13C-1,2,3,7,8-PeCDF	151425500	1.56 y	24:37	1.05	102.935	0.226	52.7	n
1,2,3,7,8-PeCDF	122251100	1.54 y	24:38	1.04	150.928	1.180	-	n
2,3,4,7,8-PeCDF	54677900	1.54 y	26:08	0.98	171.807	1.255	-	n
Total F2 PeCDF	699498080	1.57 y	22:52	1.01	807.820	1.236	-	n
Total F1 PeCDF	51915505	1.05 n	20:24	1.01	66.073	0.217	-	n
13C-1,2,3,7,8-PeCDD	104017800	1.57 y	26:55	0.67	110.769	0.094	56.7	n
1,2,3,7,8-PeCDD	5207690	1.61 y	26:57	0.98	19.958	0.194	-	n
Total PeCDD	37096044	1.55 y	23:18	0.98	70.937	0.194	-	n
13C-1,2,3,7,8,9-HxCDD	100805600	1.30 y	33:06	-	9.580	-	-	n
13C-1,2,3,4,7,8-HxCDF	88943200	0.51 y	31:56	1.02	84.074	0.094	43.0	n
1,2,3,4,7,8-HxCDF	117555200	1.24 y	31:57	1.21	212.880	1.271	-	y
1,2,3,6,7,8-HxCDF	111243500	1.20 y	32:04	1.34	181.922	1.148	-	y
2,3,4,6,7,8-HxCDF	22607300	1.24 y	32:37	1.22	40.616	1.261	-	y
1,2,3,7,8,9-HxCDF	19641300	1.18 y	33:16	1.09	39.480	1.411	-	y
Total HxCDF	637242612	1.21 y	30:34	1.22	1135.360	1.266	-	y
13C-1,2,3,6,7,8-HxCDD	81686100	1.28 y	32:50	0.81	98.051	0.297	50.2	n
1,2,3,4,7,8-HxCDD	2600220	1.21 y	32:45	1.01	6.175	0.202	-	n
1,2,3,6,7,8-HxCDD	6529410	1.33 y	32:51	1.11	14.015	0.183	-	n
1,2,3,7,8,9-HxCDD	5009540	1.35 y	33:07	1.21	19.907	0.169	-	y
Total HxCDD	33710747	1.26 y	31:24	1.11	72.260	0.184	-	y
13C-1,2,3,4,6,7,8-HpCDF	60757400	0.44 y	34:36	0.86	68.235	0.353	34.9	n
1,2,3,4,6,7,8-HpCDF	189379700	0.97 y	34:36	1.31	464.836	0.524	-	n
1,2,3,4,7,8,9-HpCDF	79582200	0.96 y	35:44	1.03	249.433	0.669	-	n
Total HpCDF	387652136	0.97 y	34:36	1.17	1041.030	0.587	-	n
13C-1,2,3,4,6,7,8-HpCDD	50442200	1.04 y	35:24	0.70	70.060	0.407	35.9	n
1,2,3,4,6,7,8-HpCDD	9980470	0.99 y	35:25	1.07	36.054	0.302	-	n
Total HpCDD	14504445	1.91 n	34:24	1.07	52.396	0.302	-	n
13C-OCDD	56387100	0.90 y	37:54	0.53	102.798	0.513	26.3	n
OCDF	256136000	0.89 y	38:01	1.45	1227.656	0.239	-	n

OCDD 6319710 0.88 y 37:55 1.17 ✓37.539 0.428 - n

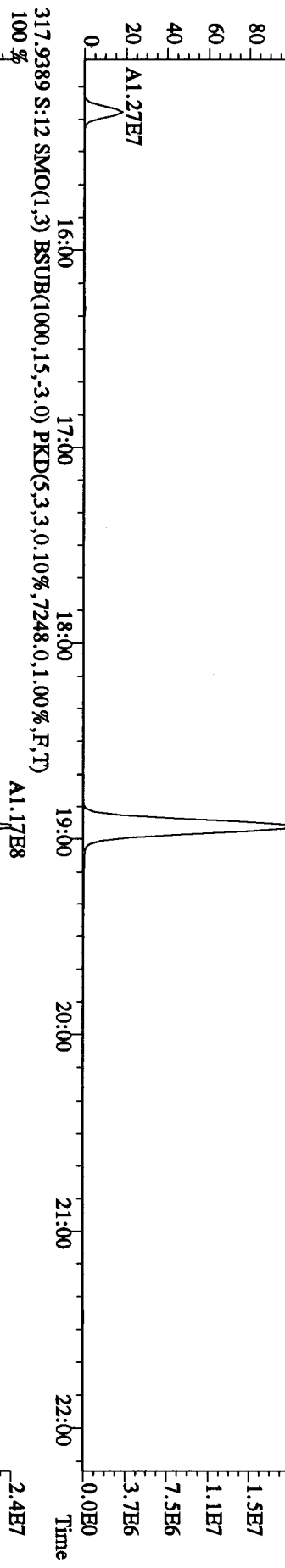
Run text: LXXLD-1-AD Sample text: LXXLD-1-AD :GOD140422-9
 Run #15 Filename: 27AP104D5 S: 12 I: 1 Results: 27AP104D58290A
 Acquired: 27-APR-10 19:57:40 Processed: 28-APR-10 10:30:26
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.24 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	136776900	0.79 y	19:31	-	10.0400	-	-	n
13C-2,3,7,8-TCDF	209159100	0.79 y	18:56	1.52	98.1996	0.0937	50.3	n
2,3,7,8-TCDF	197598100	0.80 y	18:58	0.95	195.1905	0.2662	-	n
Total TCDF	790624429	0.81 y	16:16	0.95	780.9913	0.2662	-	n
13C-2,3,7,8-TCDD	145870900	0.80 y	19:43	0.95	109.6668	0.1390	56.1	n
2,3,7,8-TCDD	1736374	0.73 y	19:44	1.02	2.2770	0.0894	-	n
Total TCDD	34904225	0.80 y	17:15	1.02	45.7726	0.0894	-	n
37Cl-2,3,7,8-TCDD	182861000	1.00 y	19:44	2.26	57.7365	0.0676	73.9	n
13C-1,2,3,7,8-PeCDF	151425500	1.56 y	24:37	1.05	102.9349	0.2258	52.7	n
1,2,3,7,8-PeCDF	122251100	1.54 y	24:38	1.04	150.9275	1.1798	-	n
2,3,4,7,8-PeCDF	54677900	1.54 y	26:08	0.98	71.8067	1.2550	-	n
Total F2 PeCDF	699498080	1.57 y	22:52	1.01	887.8096	1.2162	-	n
Total F1 PeCDF	51915505	1.05 n	20:24	1.01	66.0730	0.2172	-	n
13C-1,2,3,7,8-PeCDD	104017800	1.57 y	26:55	0.67	110.7686	0.0944	56.7	n
1,2,3,7,8-PeCDD	5207690	1.61 y	26:57	0.98	9.9584	0.1939	-	n
Total PeCDD	37096044	1.55 y	23:18	0.98	70.9369	0.1939	-	n
13C-1,2,3,7,8,9-HxCDD	100805600	1.30 y	33:06	-	9.5802	-	-	n
13C-1,2,3,4,7,8-HxCDF	88943200	0.51 y	31:56	1.02	84.0742	0.0944	43.0	n
1,2,3,4,7,8-HxCDF	155271400	1.21 y	31:57	1.21	281.1801	1.2713	-	n
1,2,3,6,7,8-HxCDF	111293600	1.20 y	32:04	1.34	182.0036	1.1481	-	n
2,3,4,6,7,8-HxCDF	56480900	1.21 y	32:33	1.22	101.4730	1.2613	-	n
1,2,3,7,8,9-HxCDF	19208723	0.54 n	33:16	1.09	38.6108	1.4111	-	n
Total HxCDF	673565910	1.21 y	30:34	1.22	1200.8137	1.2662	-	n
13C-1,2,3,6,7,8-HxCDD	81686100	1.28 y	32:50	0.81	98.0514	0.2971	50.2	n
1,2,3,4,7,8-HxCDD	2600220	1.21 y	32:45	1.01	6.1754	0.2025	-	n
1,2,3,6,7,8-HxCDD	6529410	1.33 y	32:51	1.11	14.0154	0.1830	-	n
1,2,3,7,8,9-HxCDD	6231640	1.30 y	33:07	1.21	12.3239	0.1686	-	n
Total HxCDD	34932843	1.26 y	31:24	1.11	74.6770	0.1837	-	n
13C-1,2,3,4,6,7,8-HpCDF	60757400	0.44 y	34:36	0.86	68.2355	0.3533	34.9	n
1,2,3,4,6,7,8-HpCDF	189379700	0.97 y	34:36	1.31	464.8357	0.5236	-	n
1,2,3,4,7,8,9-HpCDF	79582200	0.96 y	35:44	1.03	249.4332	0.6686	-	n
Total HpCDF	387652136	0.97 y	34:36	1.17	1041.0303	0.5873	-	n
13C-1,2,3,4,6,7,8-HpCDD	50442200	1.04 y	35:24	0.70	70.0597	0.4069	35.9	n
1,2,3,4,6,7,8-HpCDD	9980470	0.99 y	35:25	1.07	36.0538	0.3024	-	n
Total HpCDD	14504445	1.91 n	34:24	1.07	52.3964	0.3024	-	n
13C-OCDD	56387100	0.90 y	37:54	0.53	102.7979	0.5127	26.3	n
OCDF	256136000	0.89 y	38:01	1.45	1227.6558	0.2387	-	n
OCDD	6319710	0.88 y	37:55	1.17	37.5393	0.4276	-	n

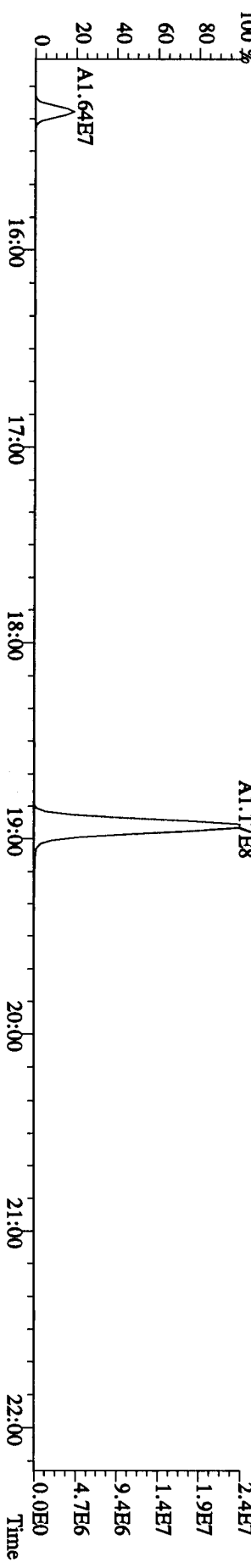
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8748.0,1.00%,F,T)



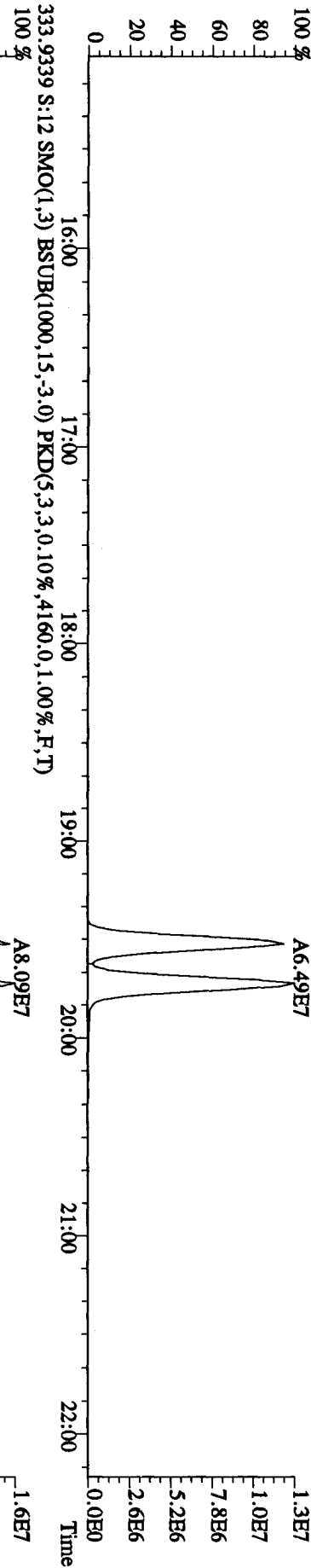
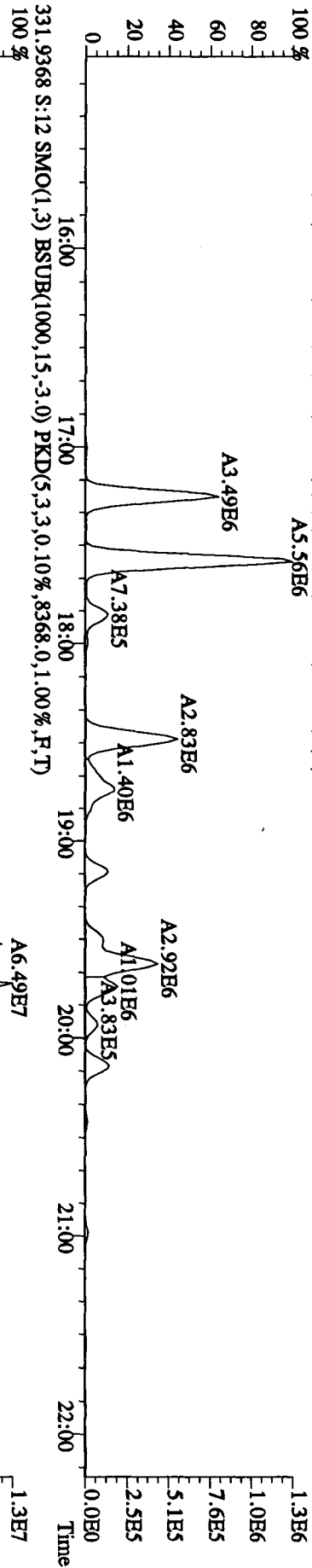
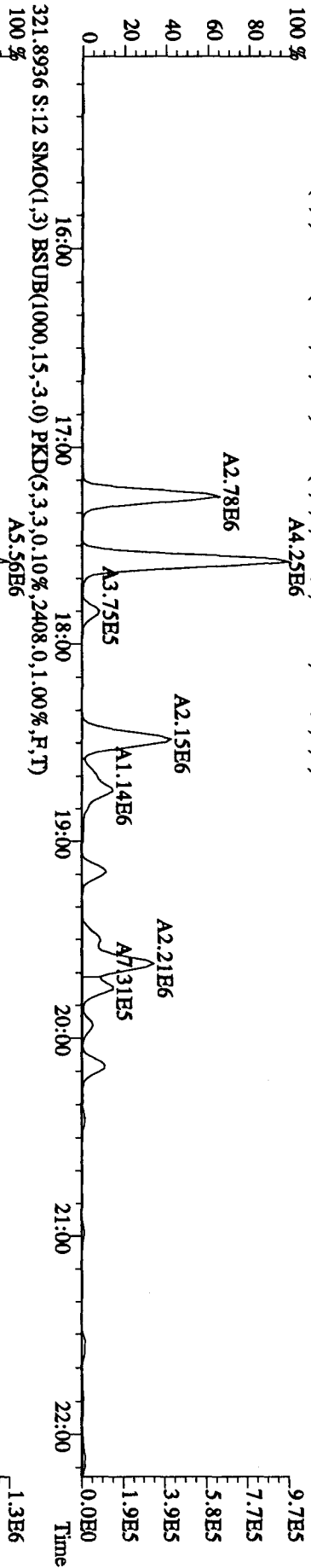
315.9419 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6272.0,1.00%,F,T)



317.9389 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7248.0,1.00%,F,T)

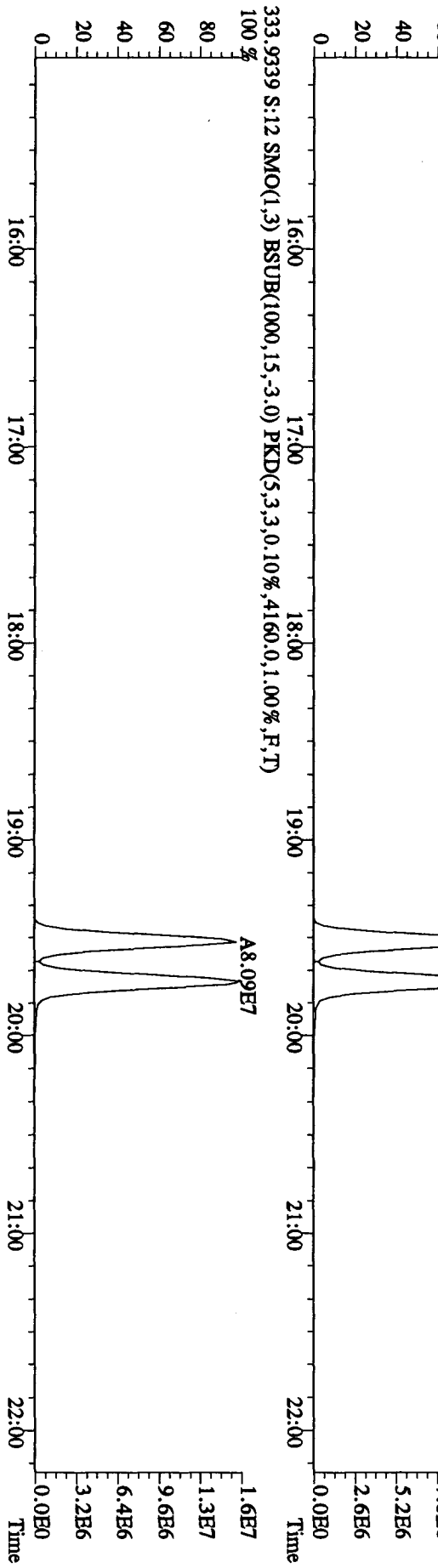
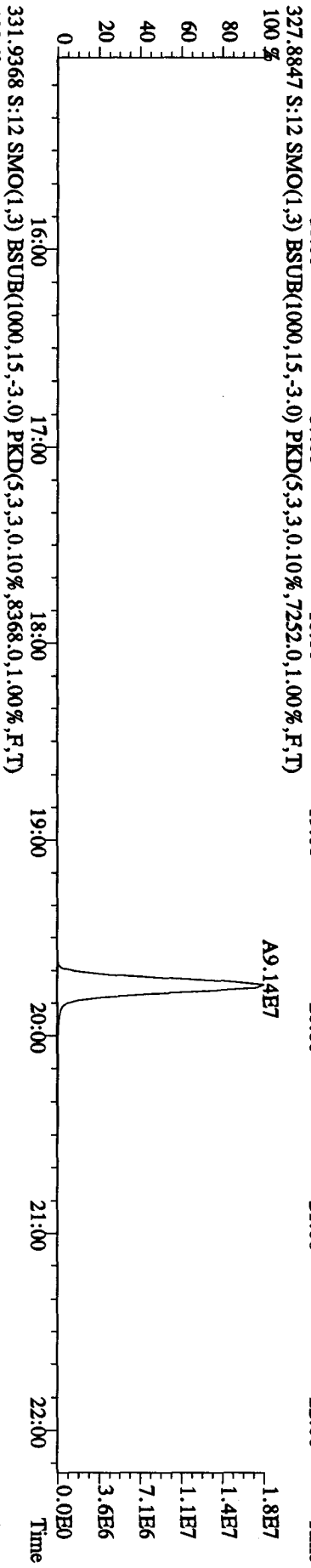
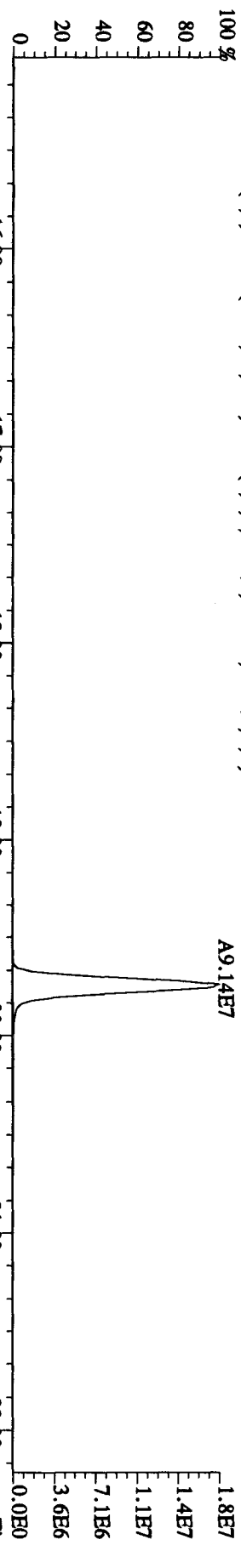


File: 27AP104D5 #1-434 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text: LXXLD-1-AD :G0D140422-9 Exp: DIOXINRES8290A
 319.8965 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2092,0,1,00%,F,T)
 100%

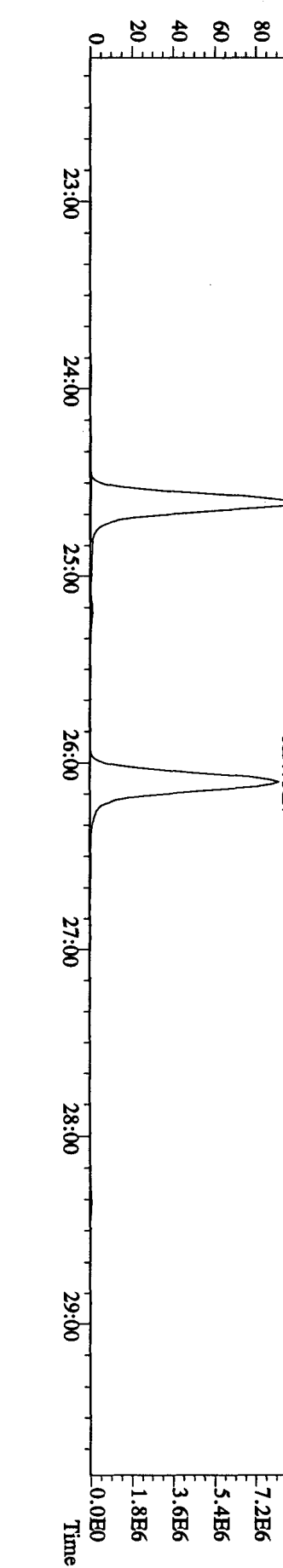
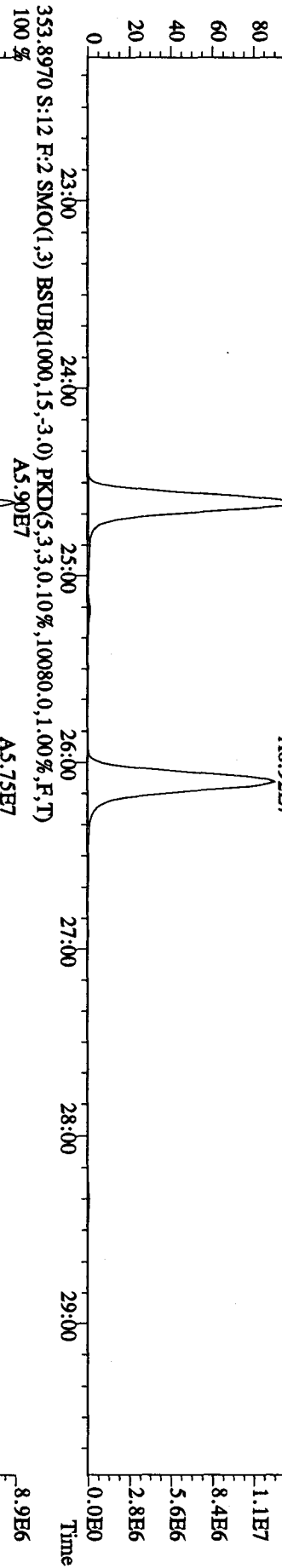
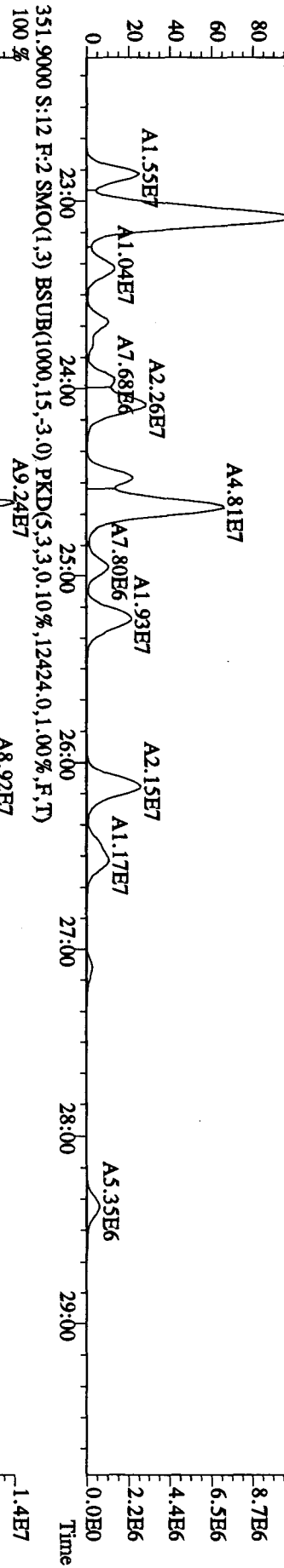
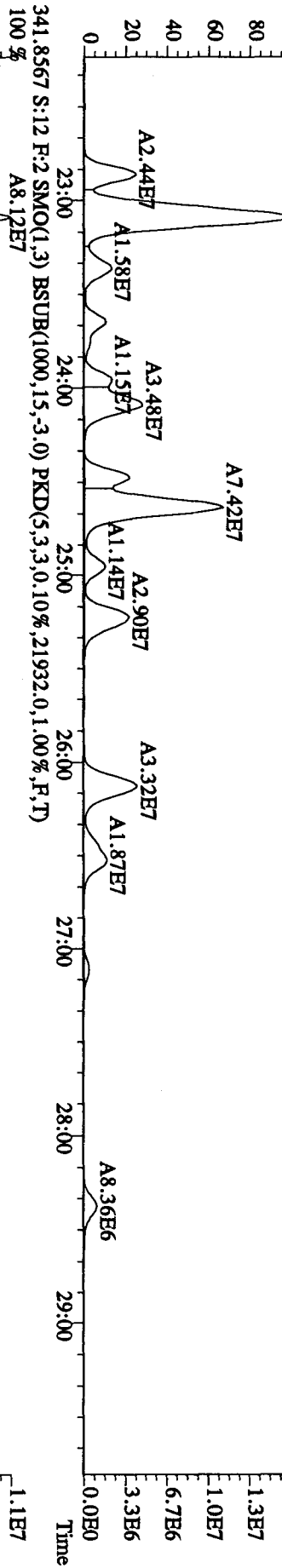


333.9339 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4160,0,1,00%,F,T)
 100%

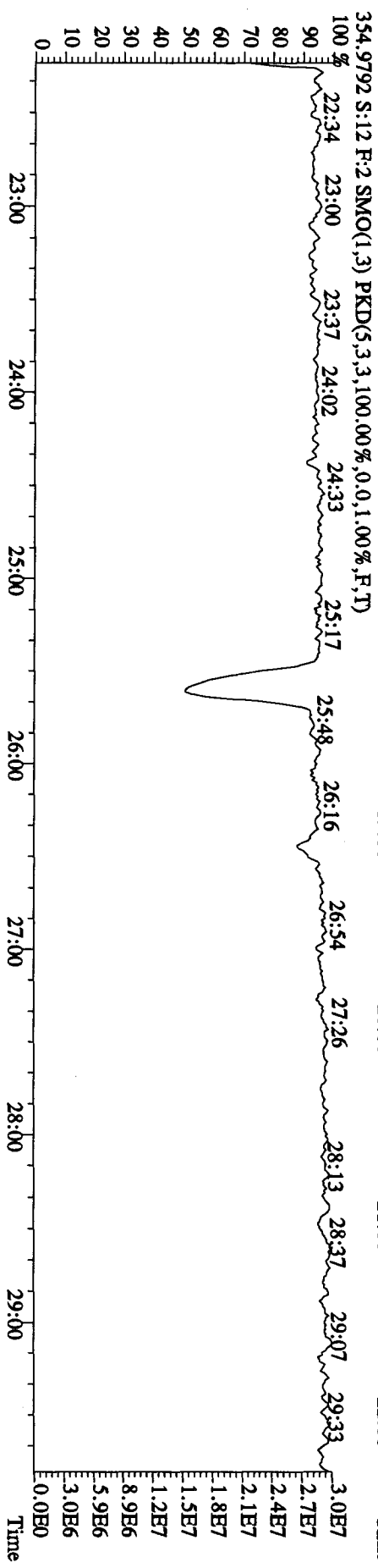
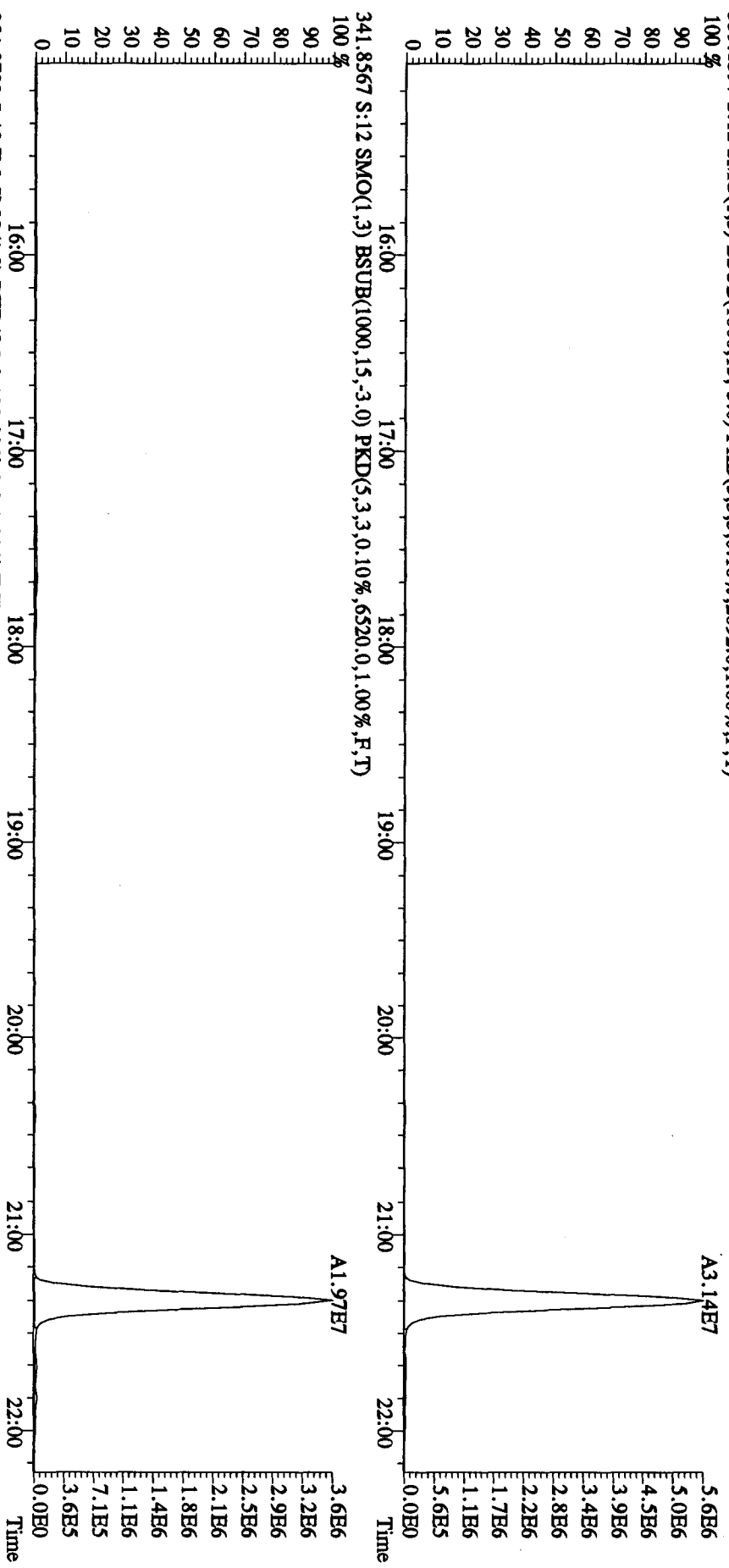
File:27AP104D5 #1-434 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 Text:LXXLD-1-AD :GOD140422-9 Exp:DIOXINRES8290A
 327.8847 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7252.0,1.00%,F,T)
 100%



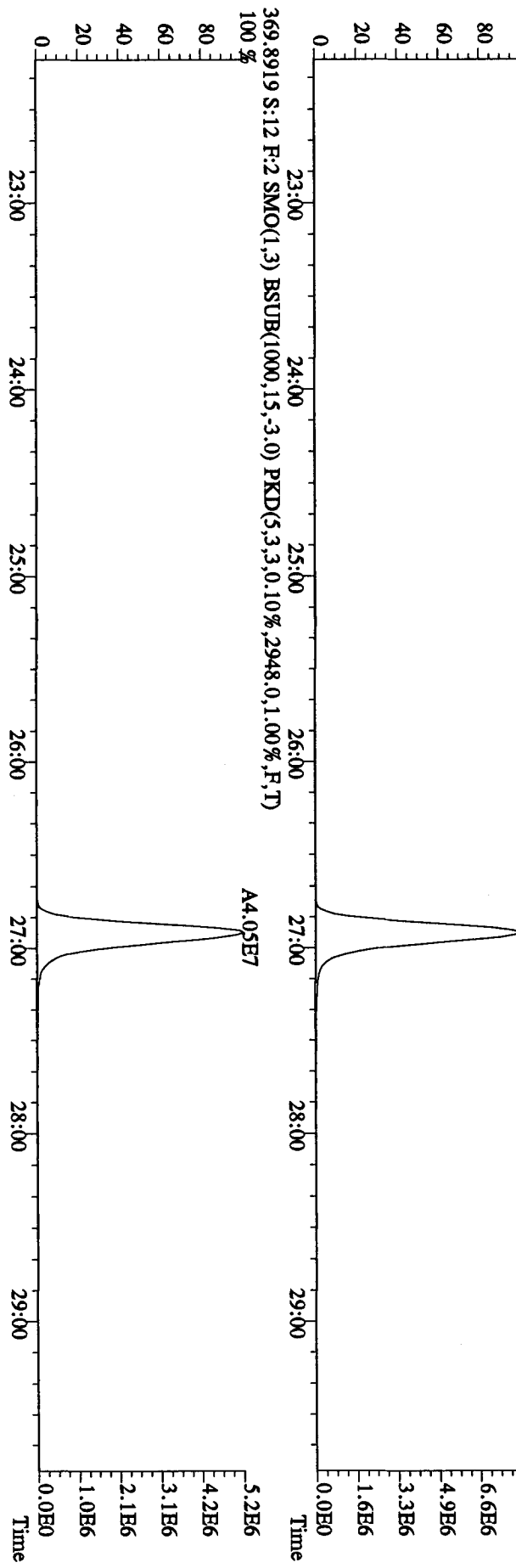
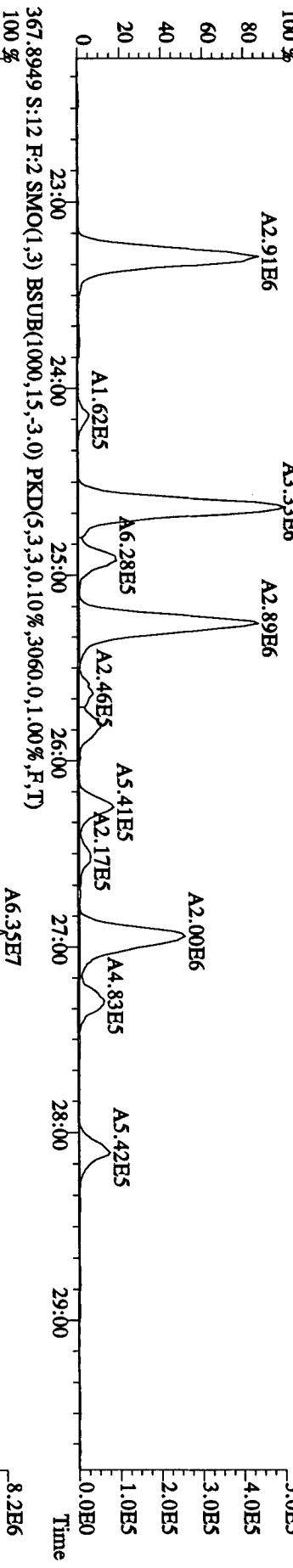
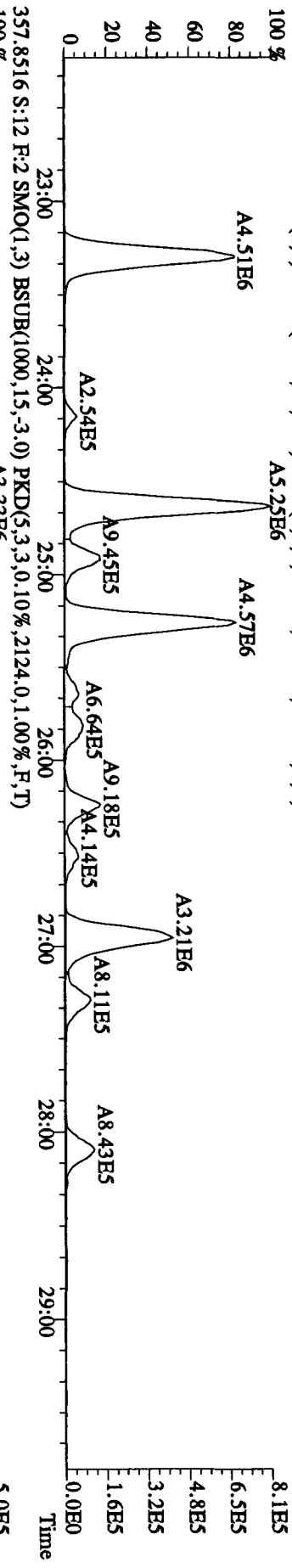
File: 27AP104D5 #1-604 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text: LXXLD-1-AD :GOD140422-9 Exp: DIOXINRES8290A
 339.8597 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26288.0,1.00%,F,T)
 100% A1.25E8



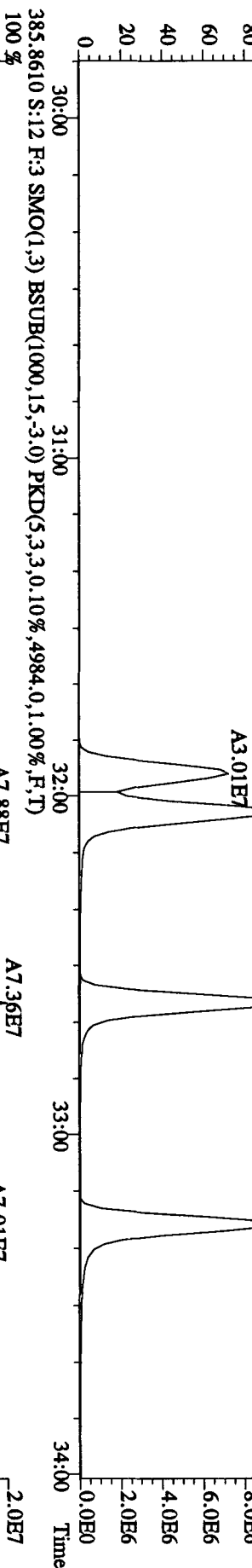
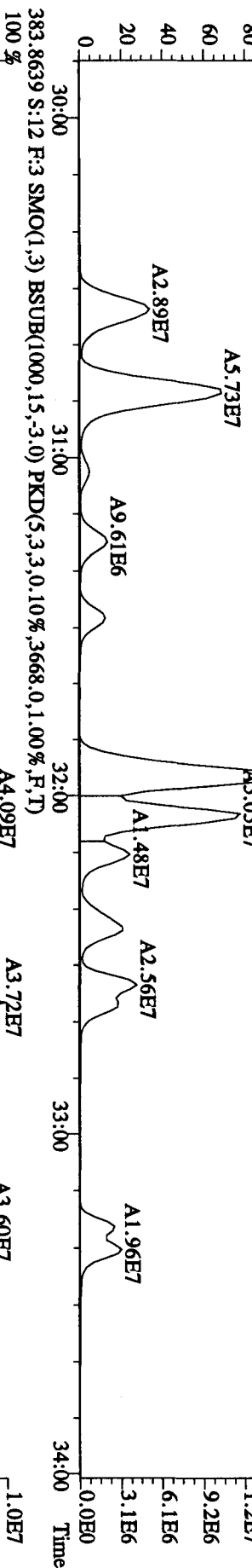
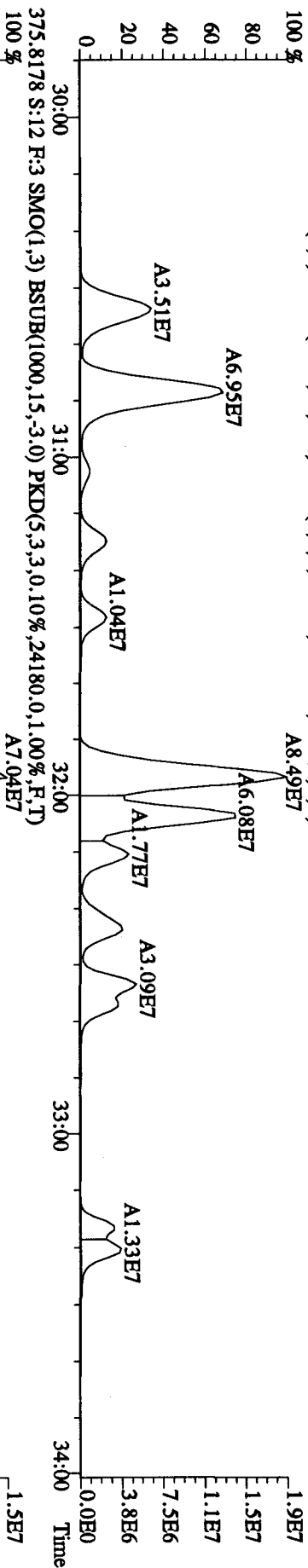
File:27AP104D5 #1-434 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text:LXXLD-1-AD :GOD140422-9 Exp:DIOXINRES8290A
 339.8597 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2092.0,1.00%,F,T)



File:27AP104D5 #1-604 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SFR Autospec-Ultimate
 Sample#12 Text:LXXLD-1-AD :G0D140422-9 Exp:DIOXINRES8290A
 355.8546 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2236.0,1.00%,F,T)
 100 %

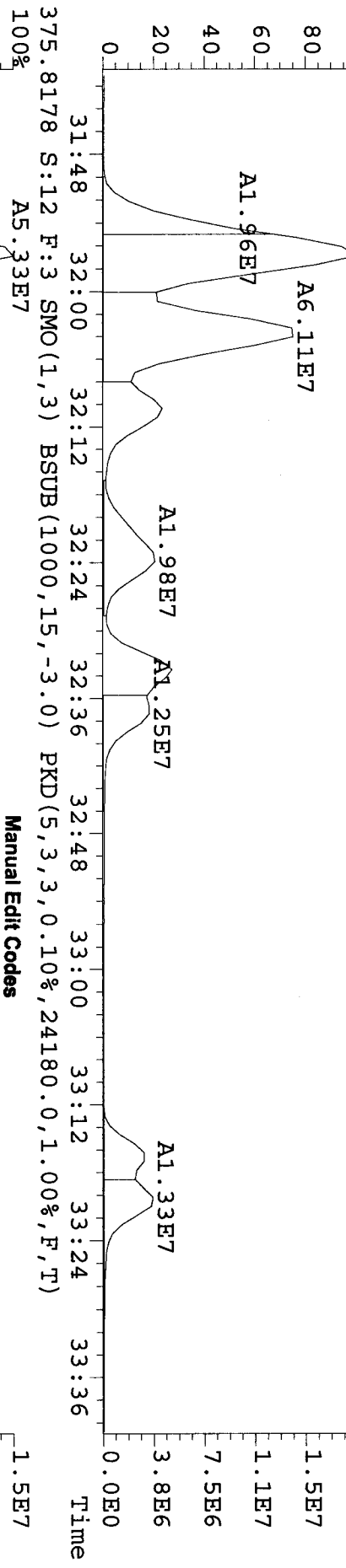


File:27AP104D5 #1-317 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#12 Text:LXXLD-1-AD :GOD140422-9 Exp:DIOXINRES8290A
 373.8208 S:12 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,32584,0,1,00%,F,T) A8.49E7
 100 %

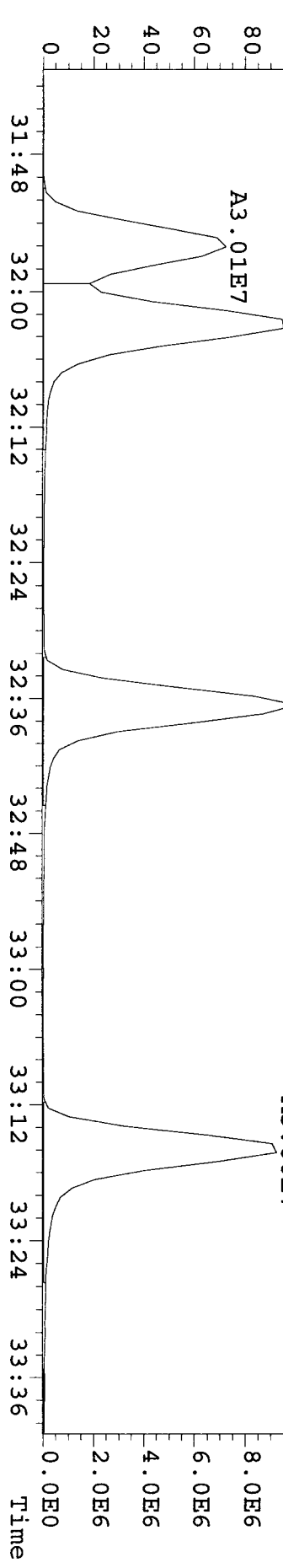
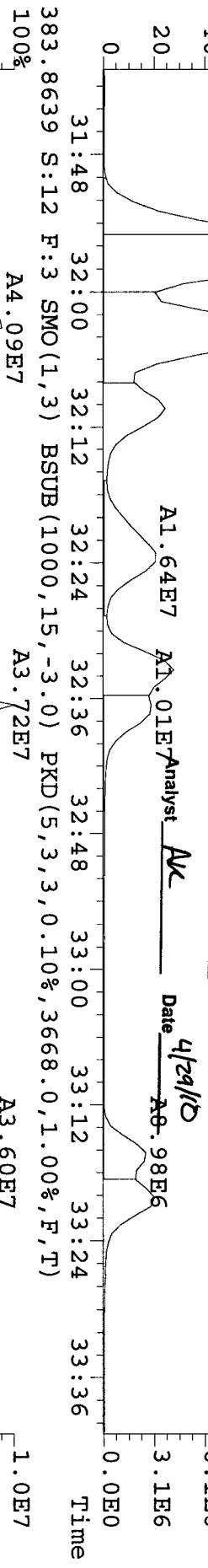


GOD140422 TestAmerica West Sacramento (916) 373 - 5600 205 of 1056

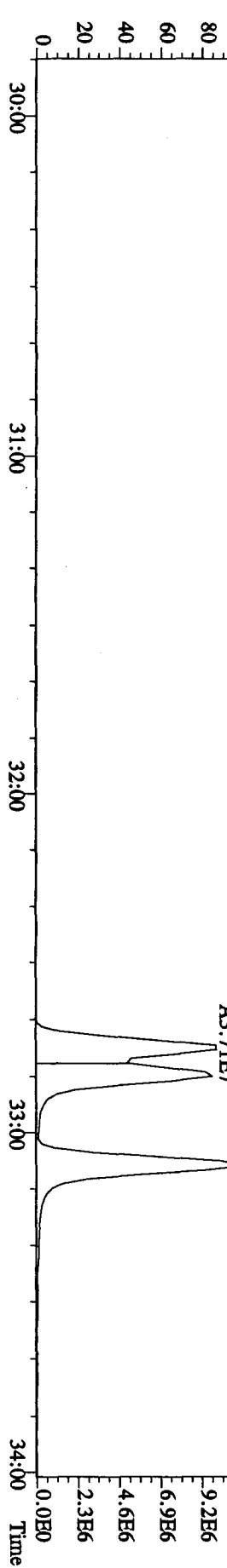
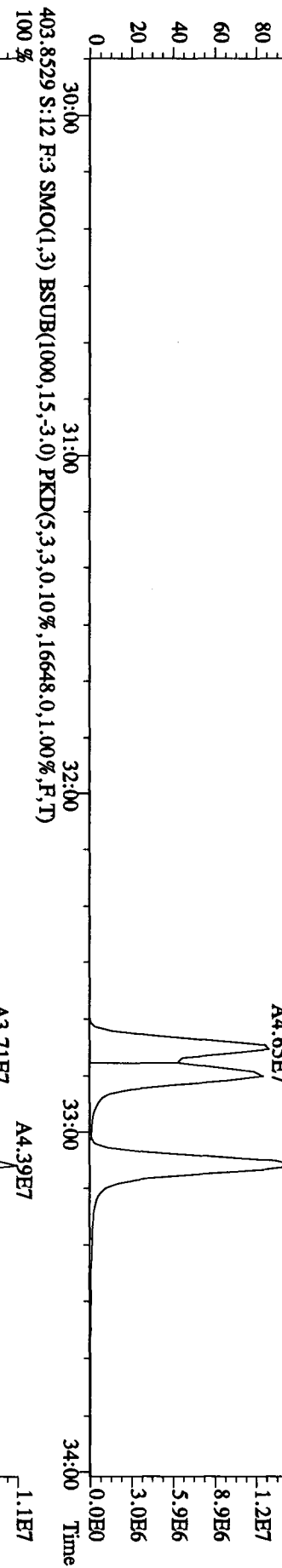
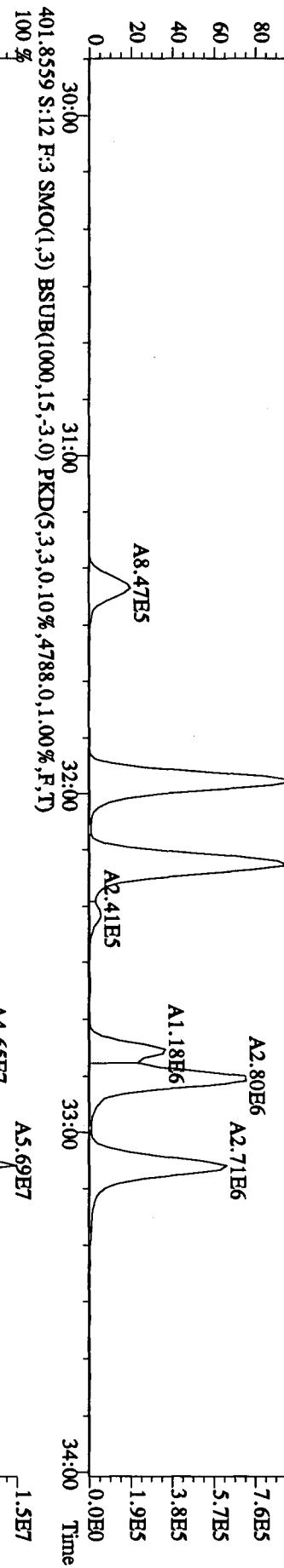
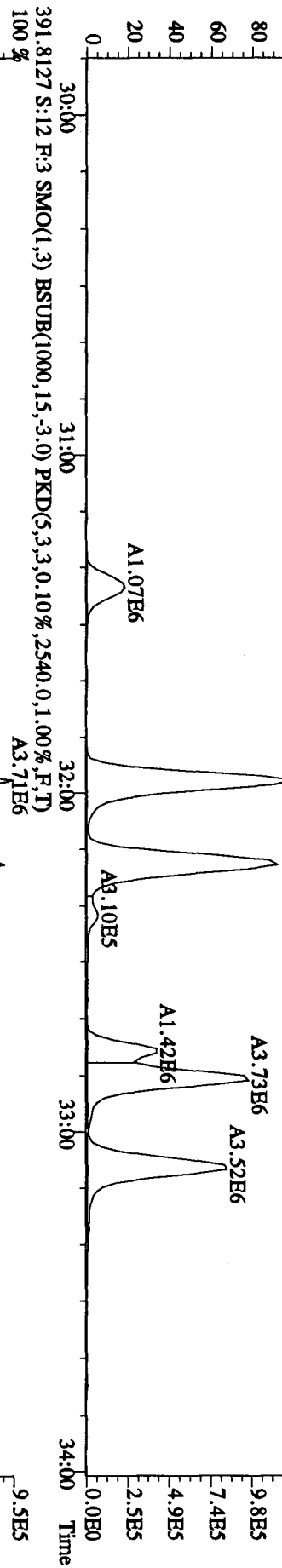
File: 277AP104D5 #1-317 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text: LXXLD-1-AD : GOD140422-9 Exp: DIOXINRES8290A
 373.8208 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32584.0,1.00%,F,T)



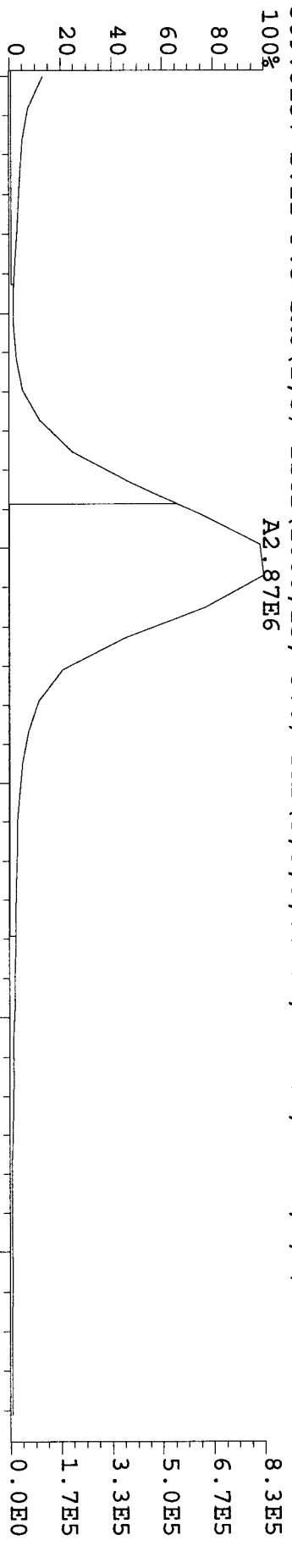
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other



File:27AP104D5 #1-317 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text:LXXLD-1-AD :G0D140422-9 Exp:DIOXINRES8290A
 389.8157 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T) A4.81E6
 100%



File: 27AP104D5 #1-317 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 Text: LXXLD-1-AD :G0D140422-9 Exp: DIOXINRES8290A
 389.8157 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5108.0,1.00%,F,T)

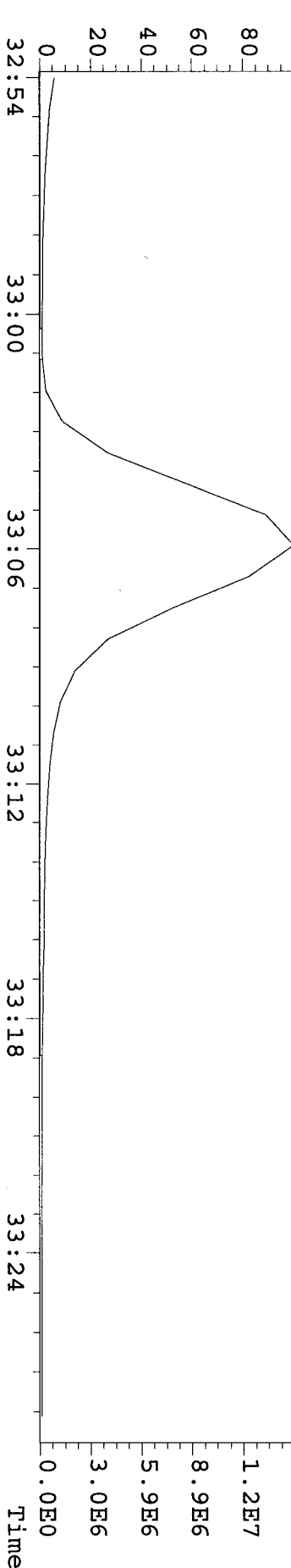
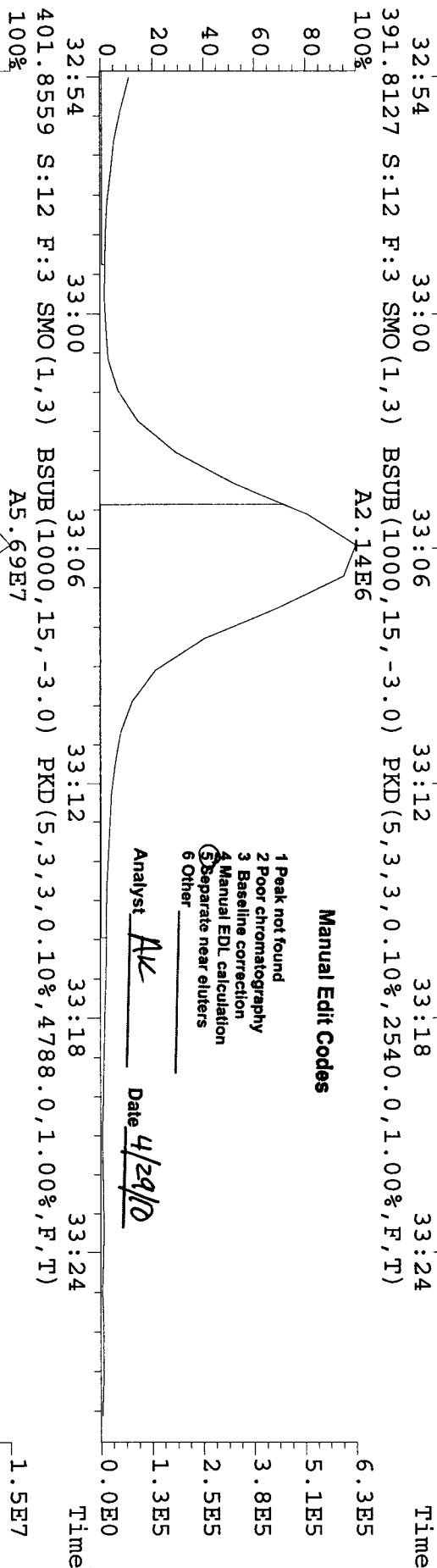


Manual Edit Codes

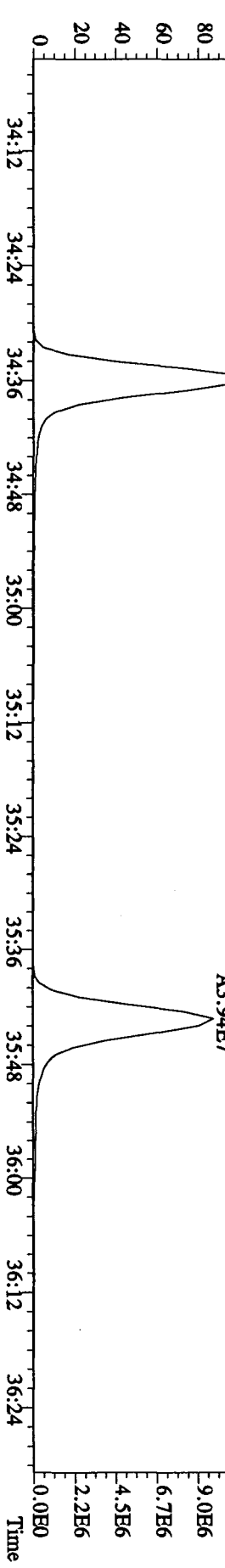
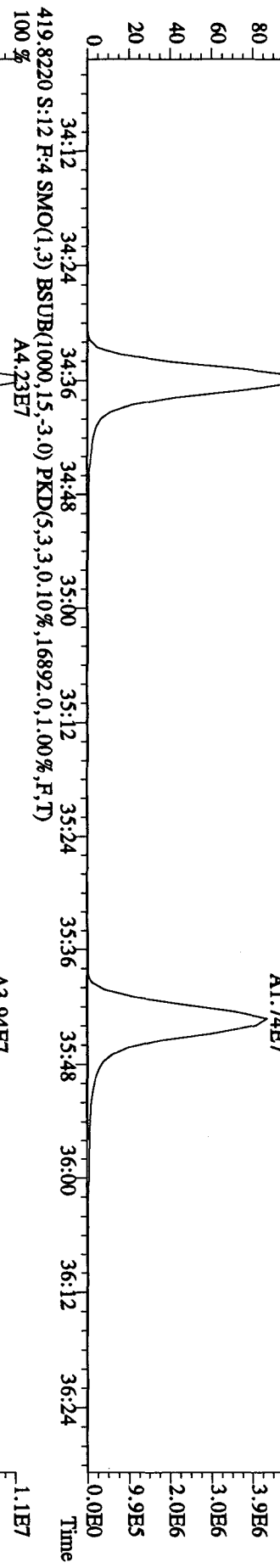
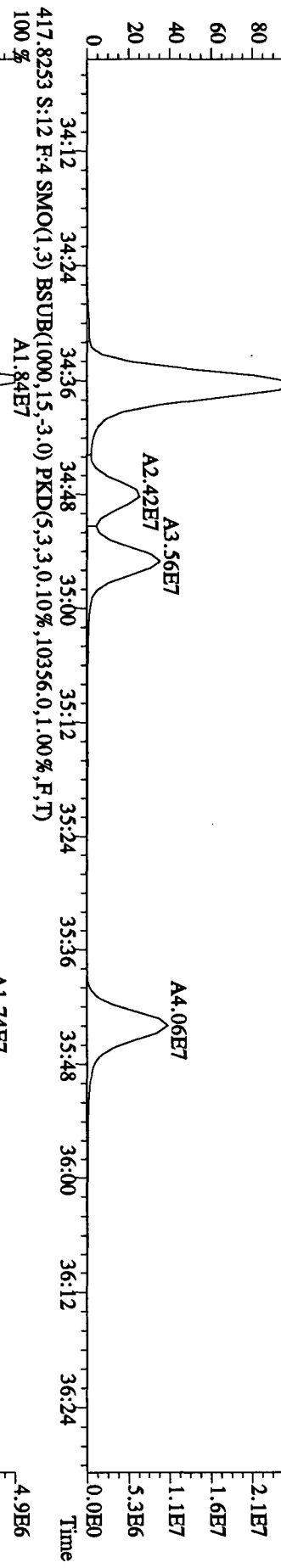
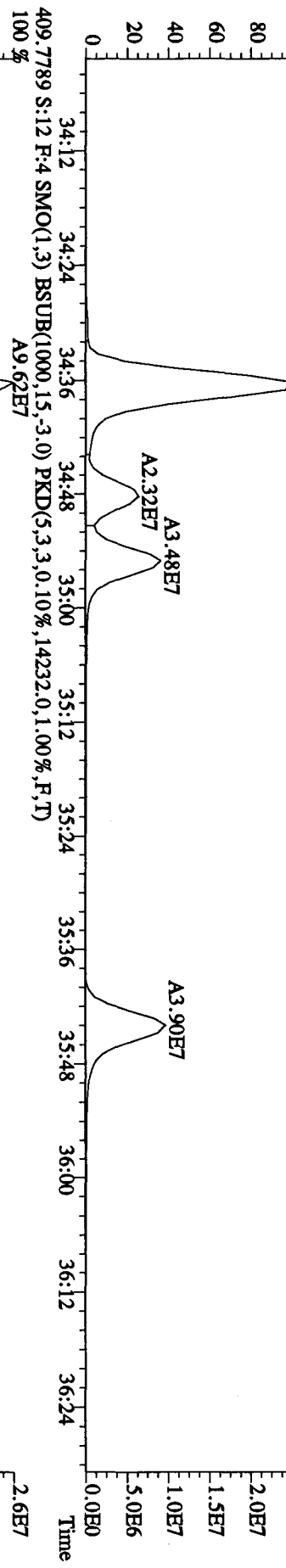
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK

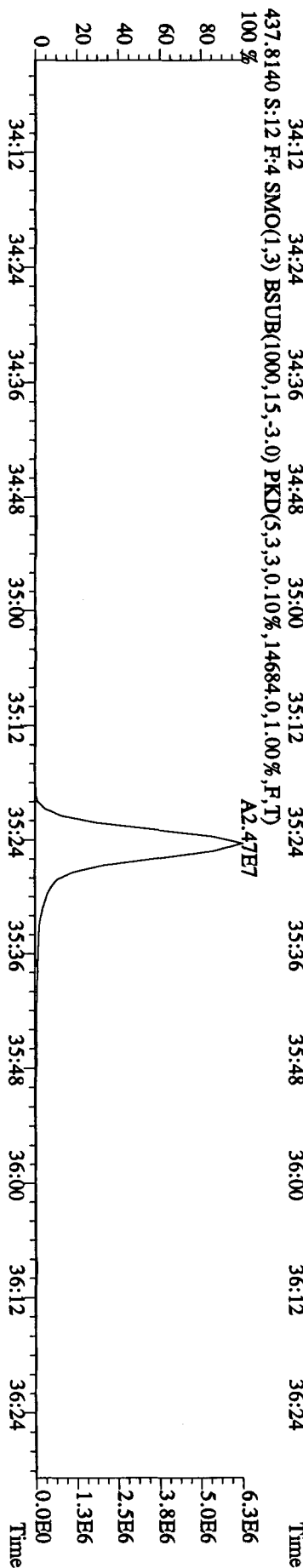
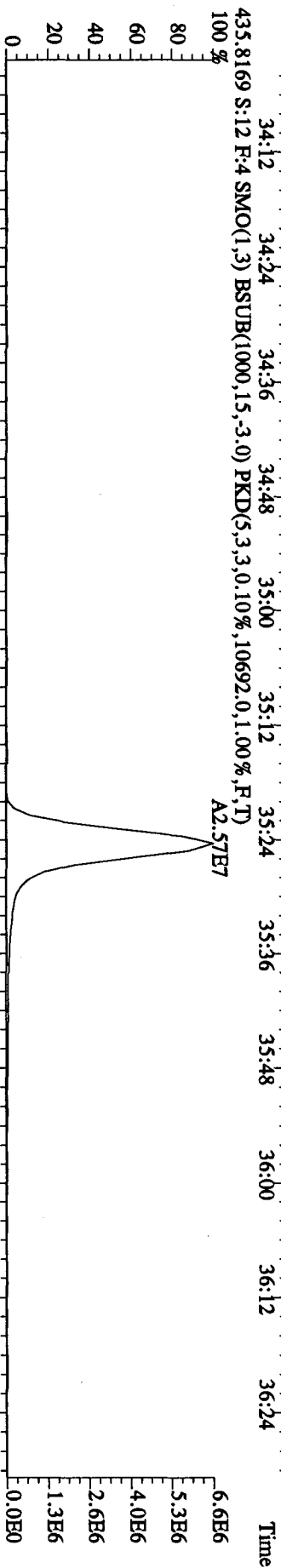
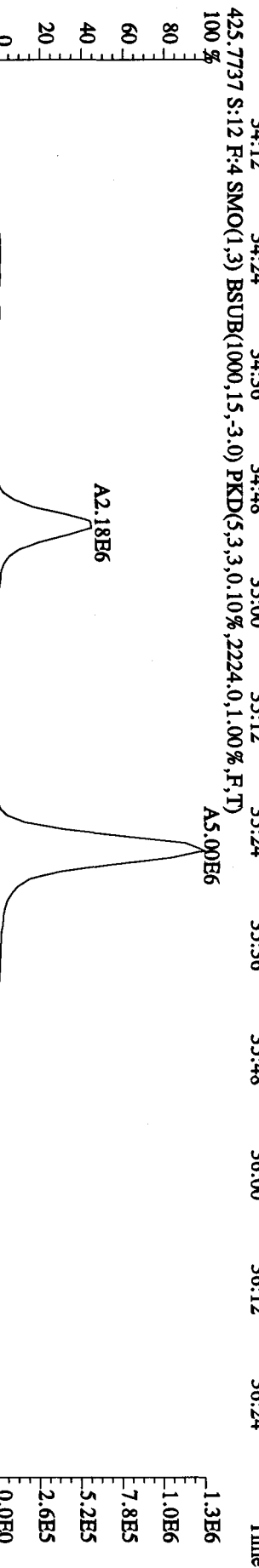
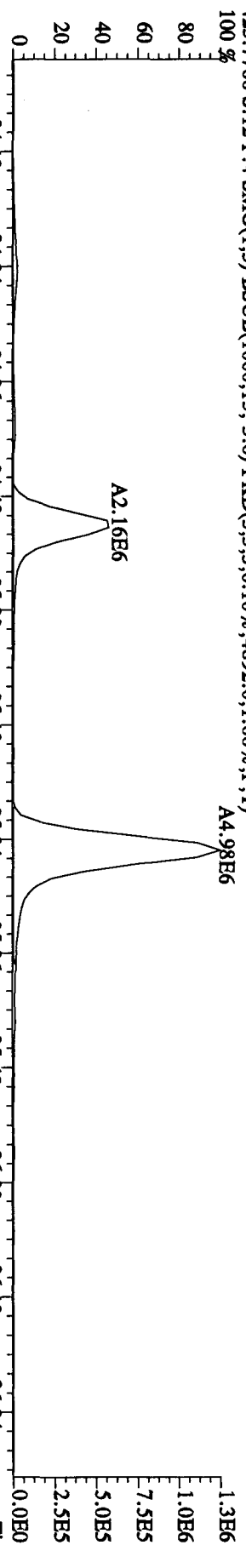
Date 4/29/10



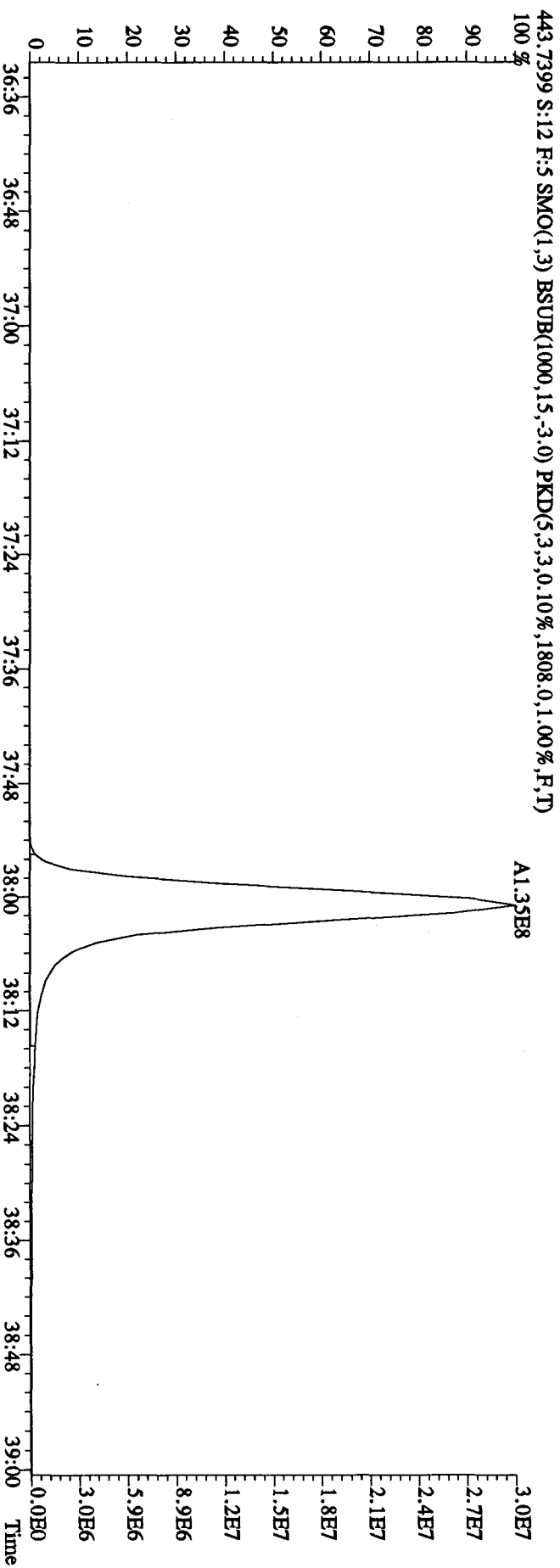
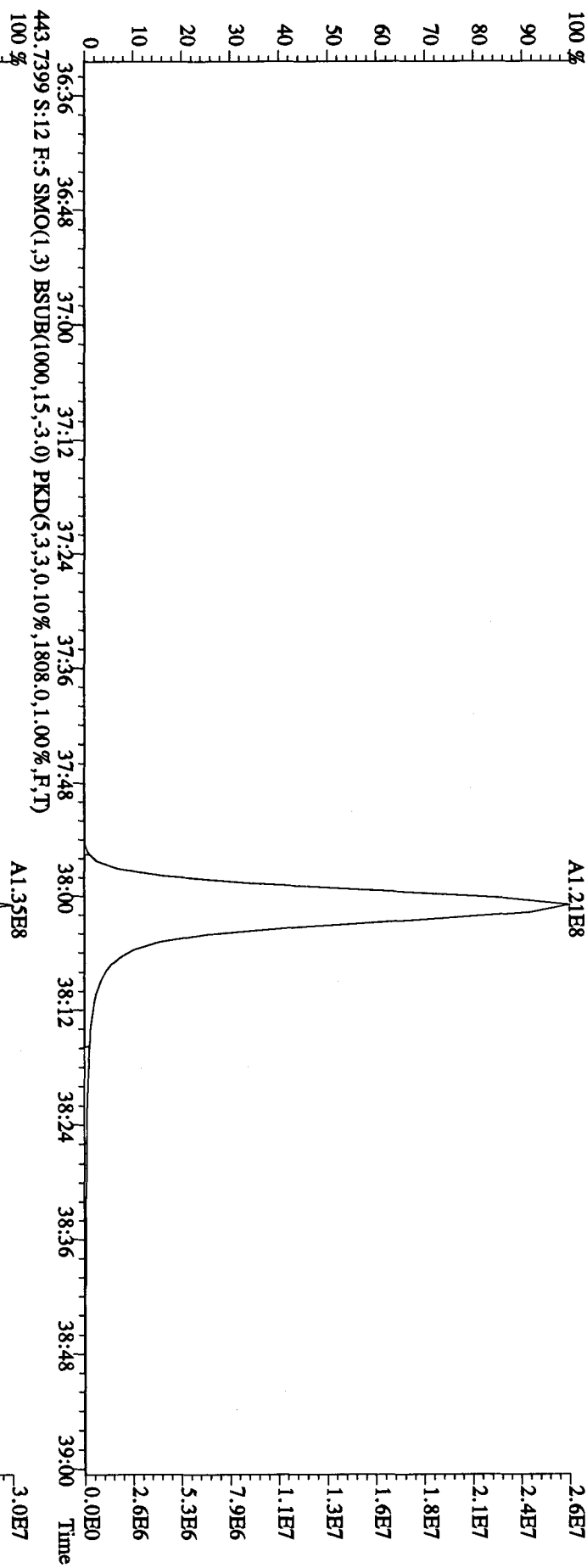
File: 27AP104D5 #1-198 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 Text: LXXLD-1-AD :GOD140422-9 Exp: DIOXINRES8290A
 407.7818 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4712.0,1.00%,F,T)
 100%



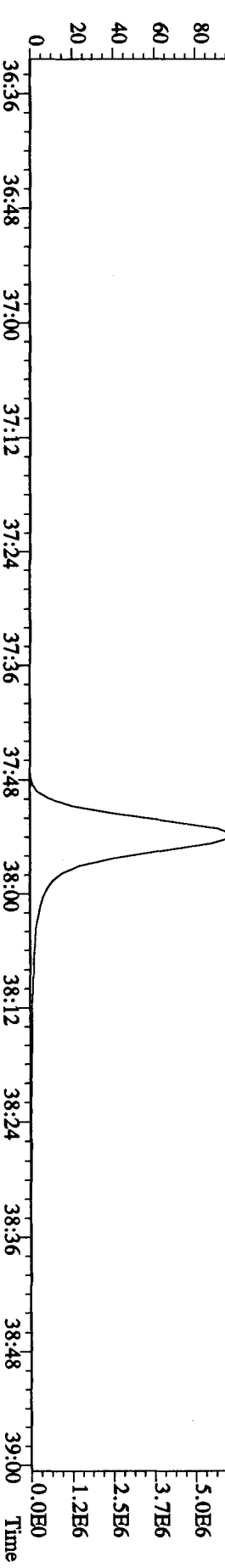
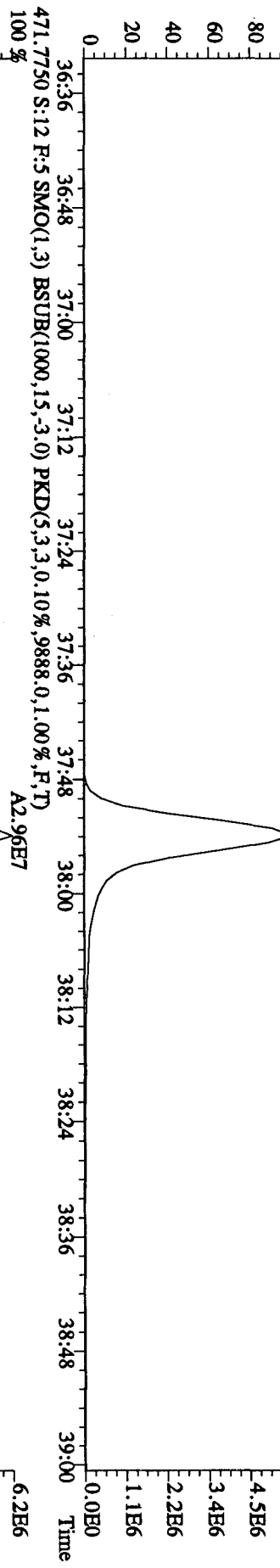
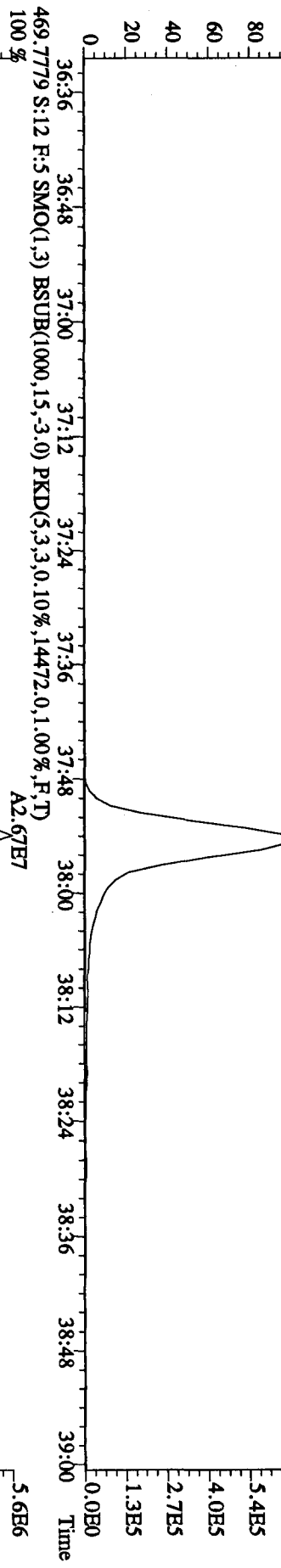
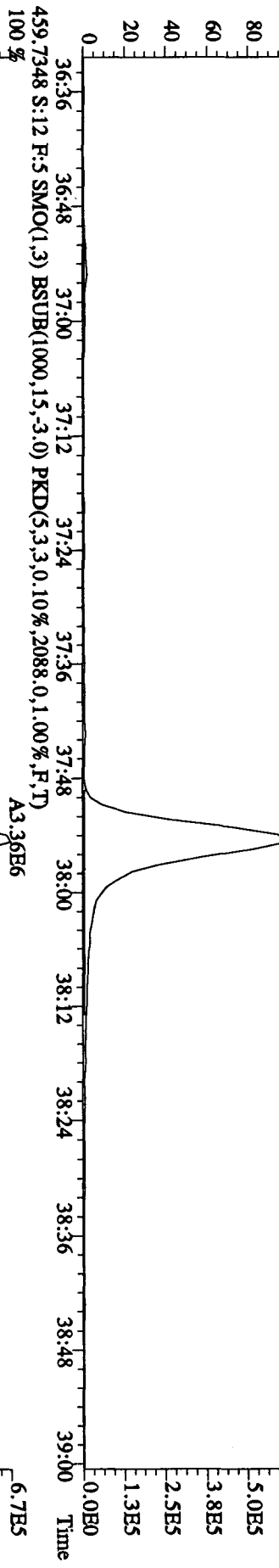
File: 27AP104D5 #1-198 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#12 Text: LXXLD-1-AD :G0D140422-9 Exp: DIOXINRES8290A
 423.7766 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4892.0,1.00%,F,T)

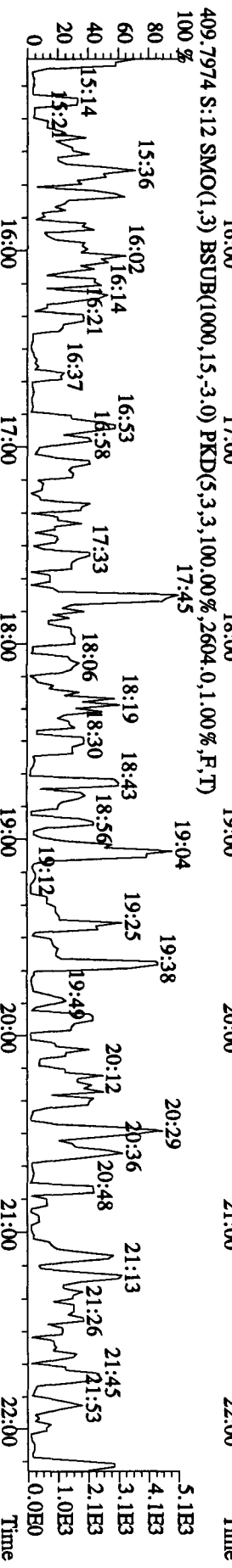
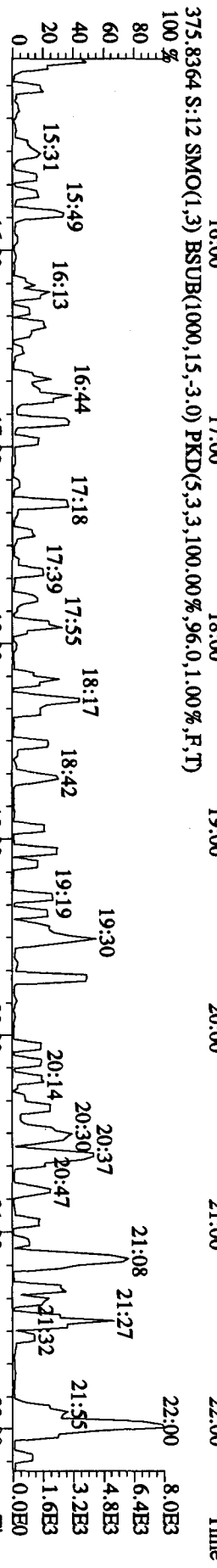
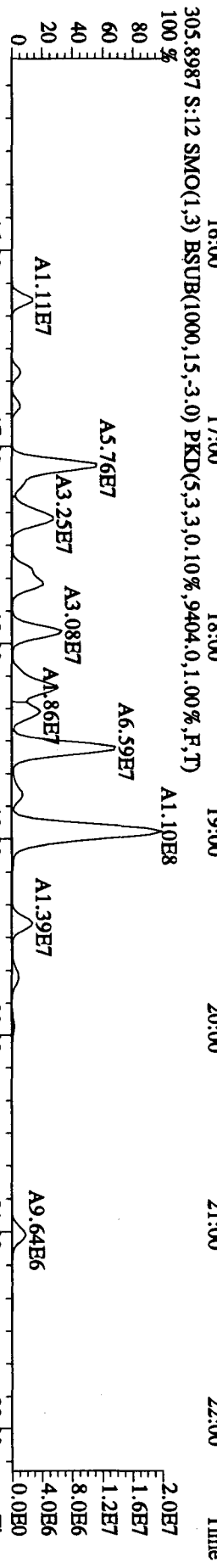
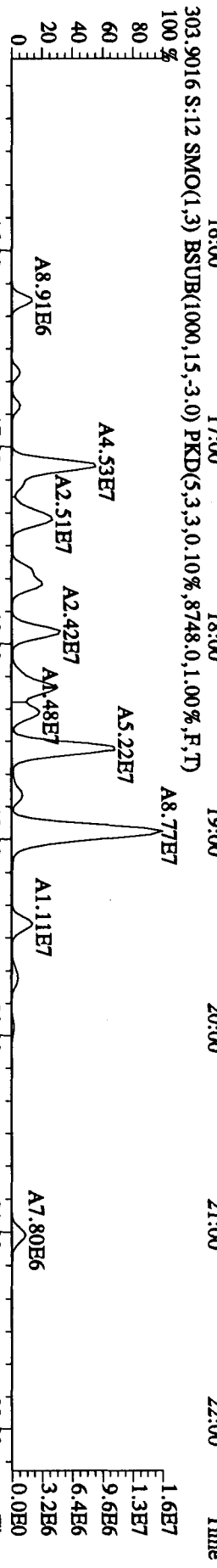
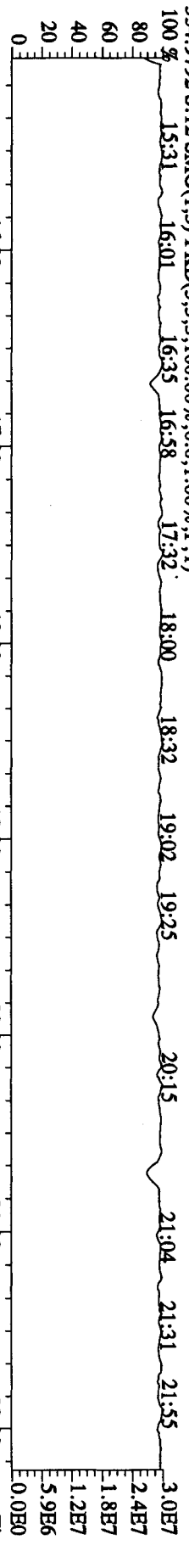


File: 27AP104D5 #1-190 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
Sample#12 Text: LXXLD-1-AD :G0D140422-9 Exp: DIOXINRES8290A
441.7428 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1664,0,1.00%,F,T)

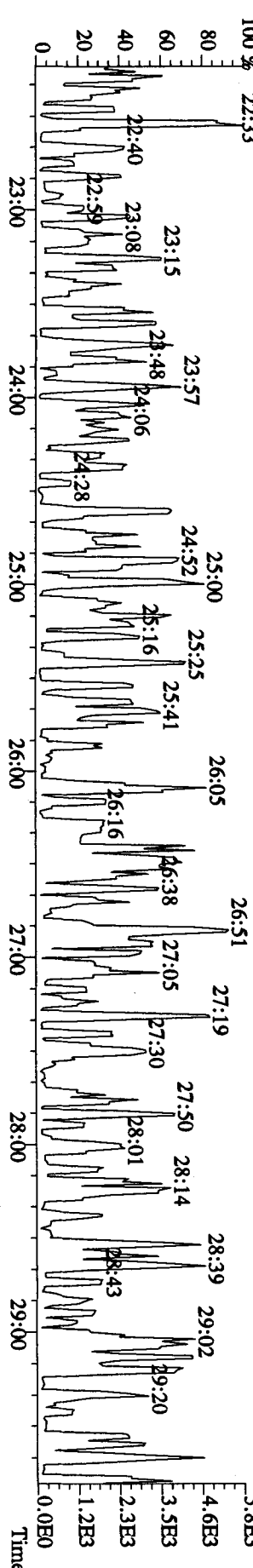
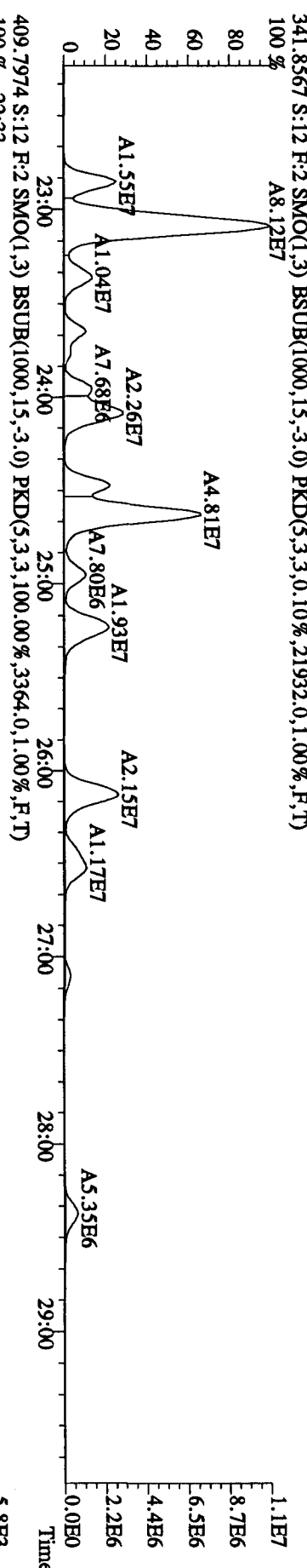
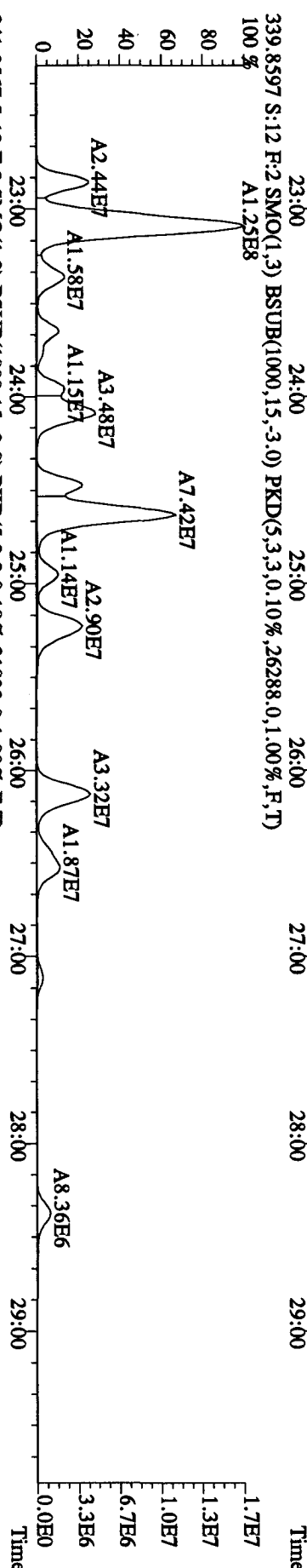
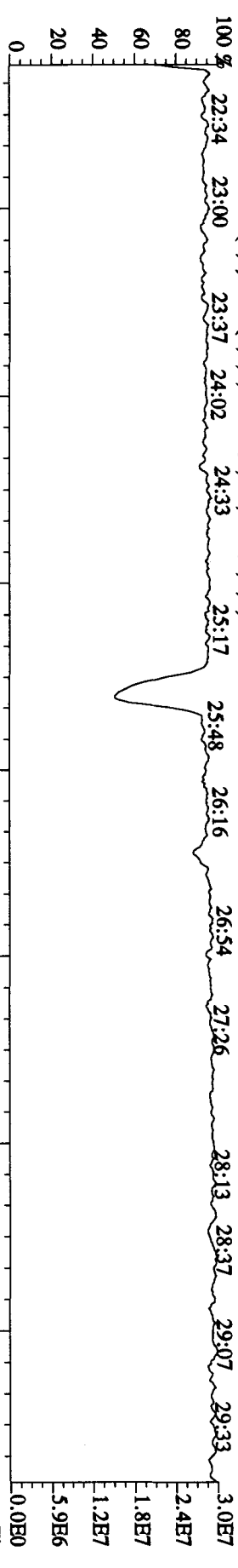


File: 27AP104D5 #1-190 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#12 Text: LXXLD-1-AD :G0D140422-9 Exp: DIOXINRES8290A
 457.7377 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2932.0,1.00%,F,T)
 100%

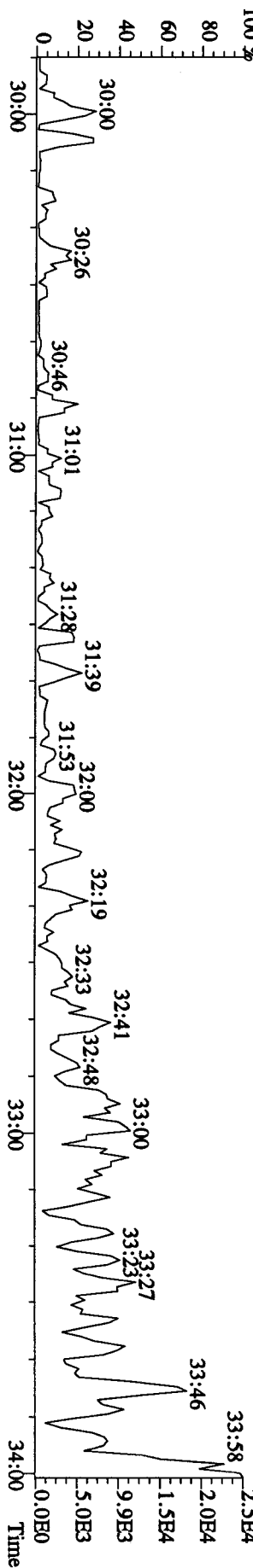
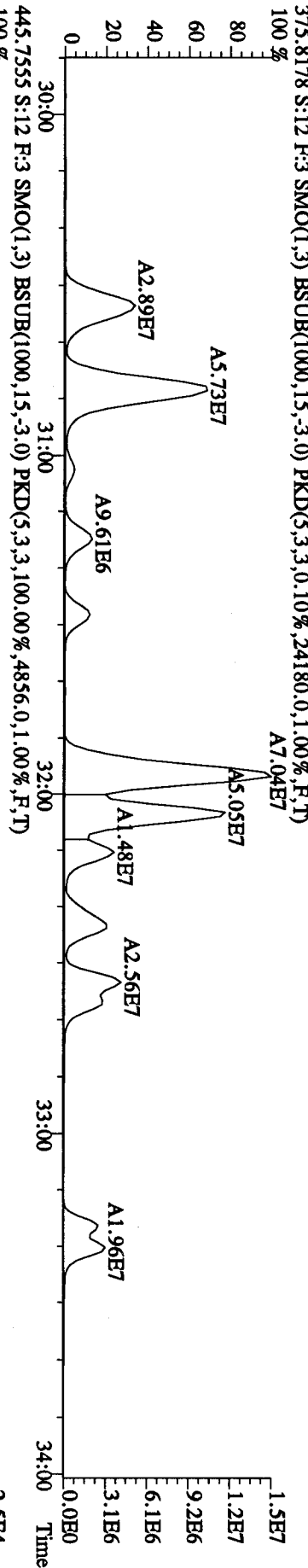
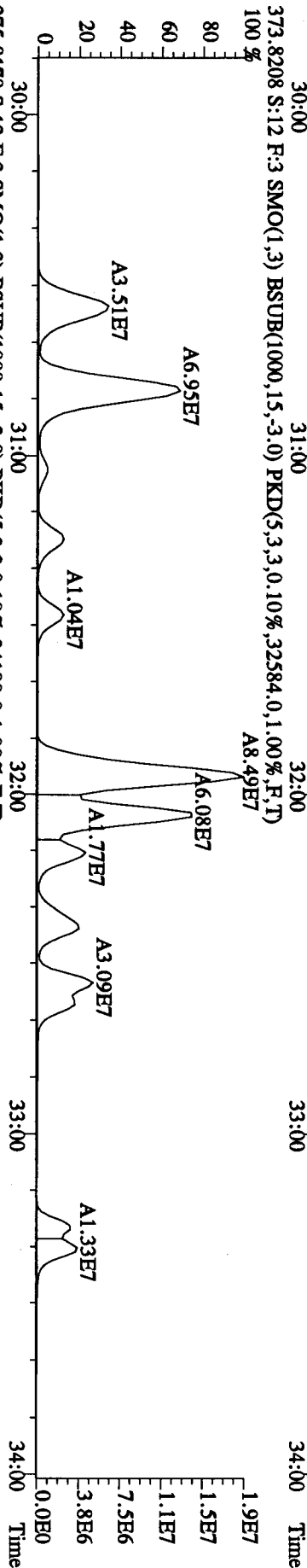
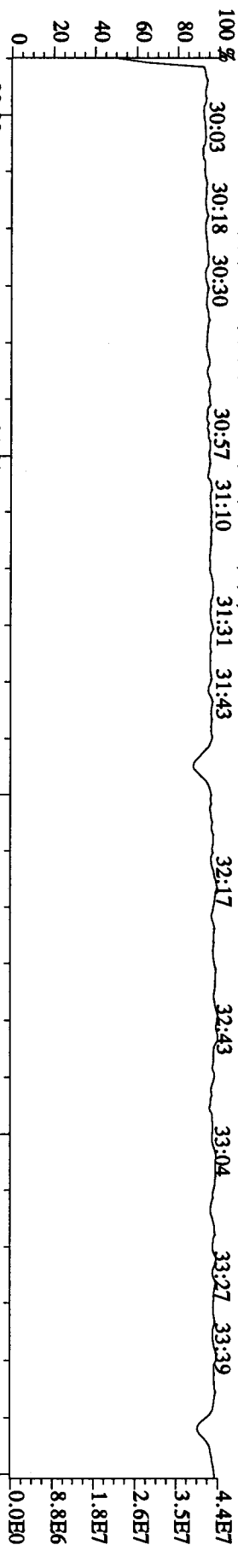




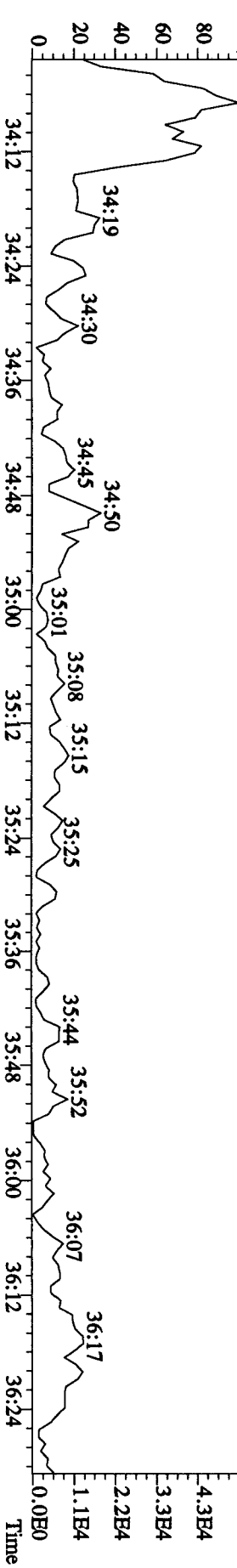
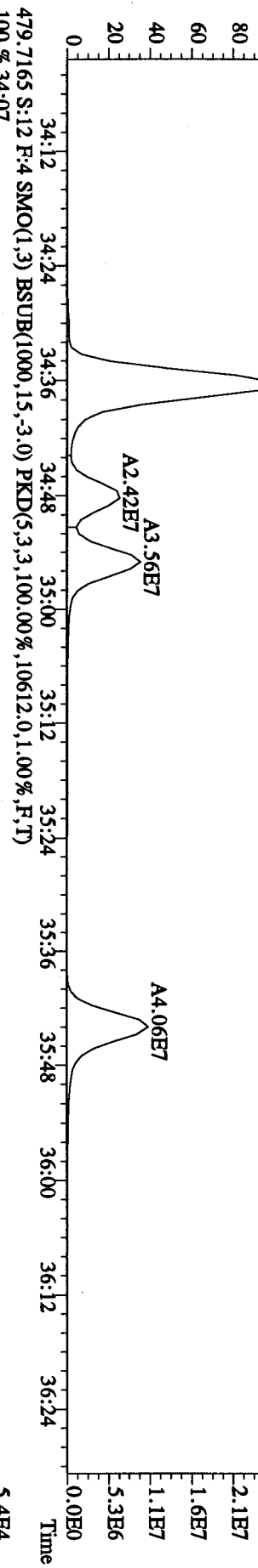
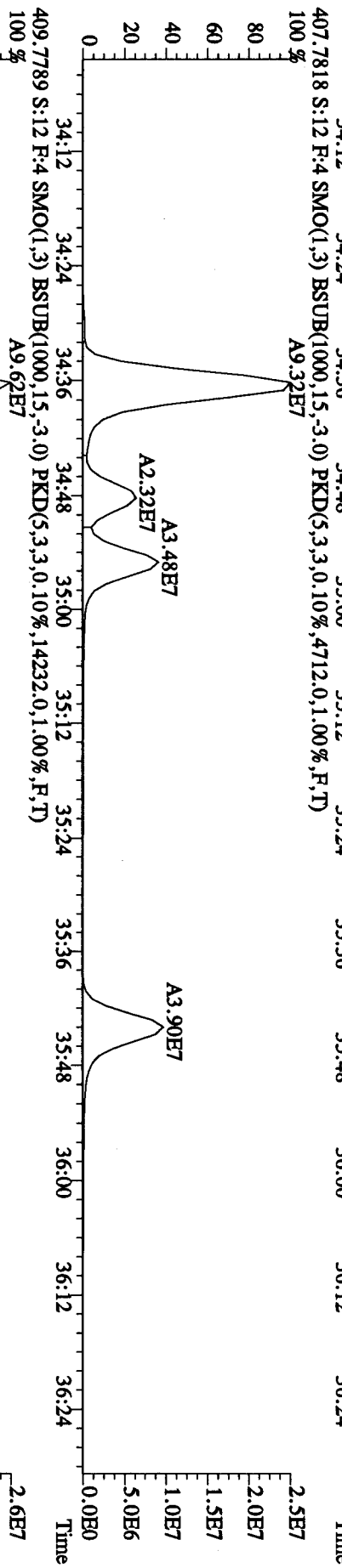
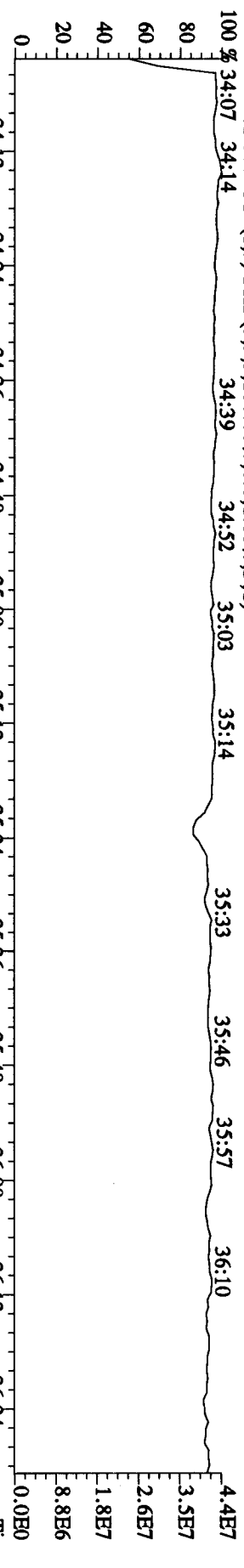
File: 27AD104D5 #1-604 Acq: 27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text: LXXLD-1-AD :GOD140422-9 Exp: DIOXINRES8290A
 354.9792 S:12 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 409.7974 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3364.0,1.00%,F,T)



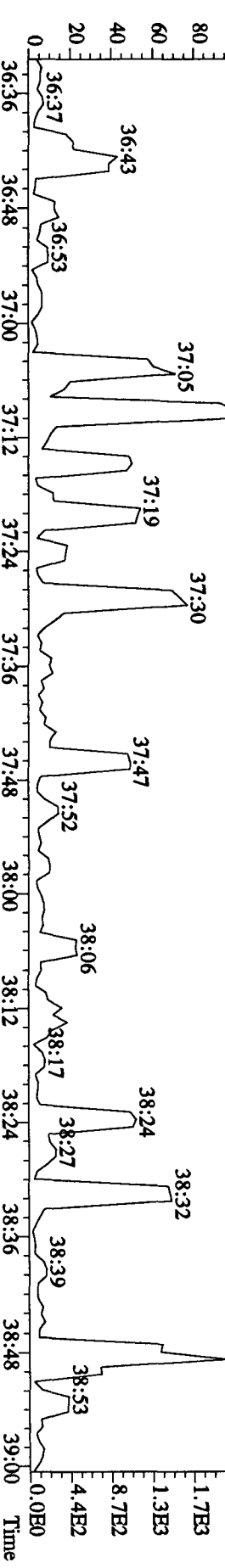
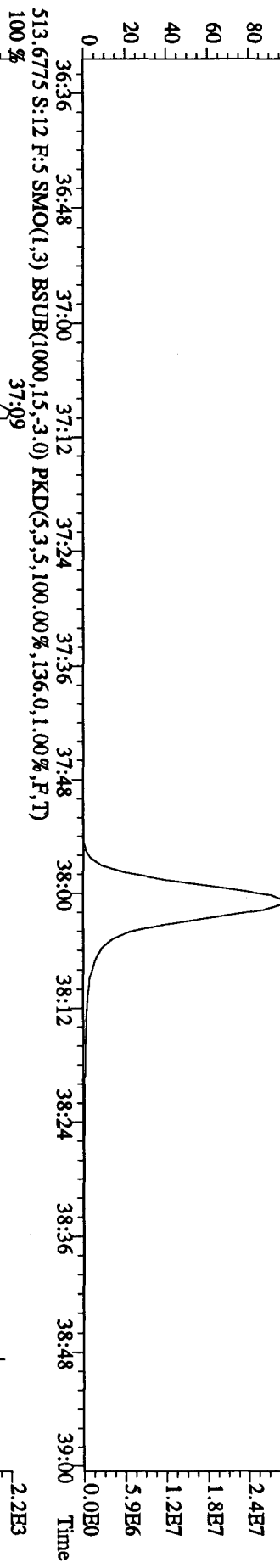
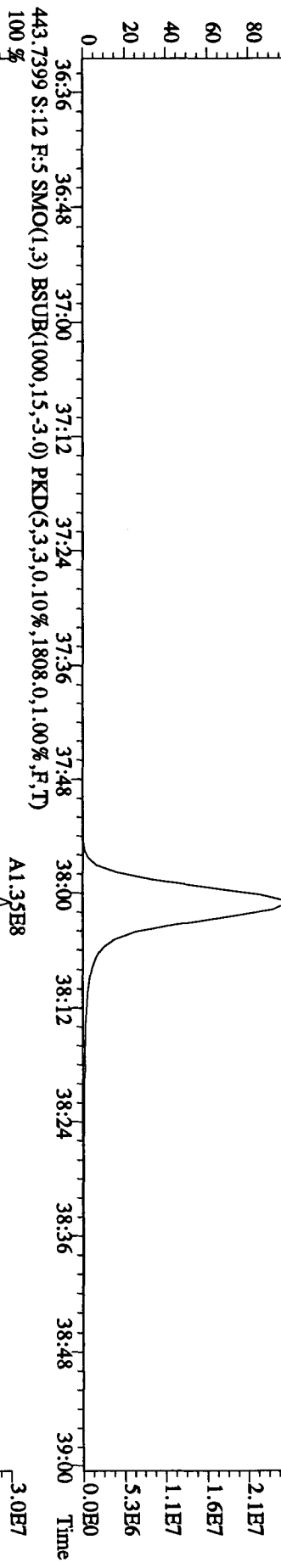
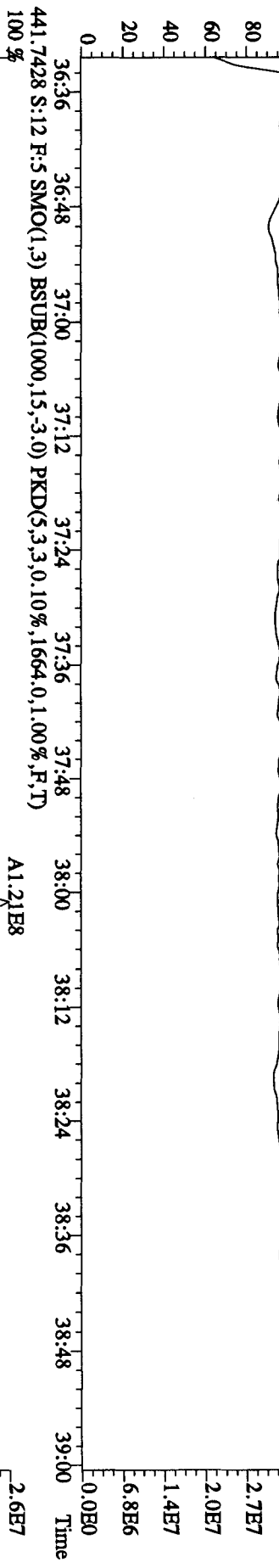
File:27AP104D5 #1-317 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 Text:LXXLD-1-AD :G0D140422-9 Exp:DIOXINRES8290A
 430.9728 S:12 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)
 100% 30:03 30:18 30:30 30:57 31:10 31:31 31:43 32:17 32:43 33:04 33:27 33:39



File:27AP104D5 #1-198 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text:LXXLD-1-AD :G0D140422-9 Exp:DIOXINRES8290A
 430.9728 S:12 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 100 % 34:07 34:14 34:39 34:52 35:03 35:14 35:33 35:46 35:57 36:10



File:27AP104D5 #1-190 Acq:27-APR-2010 19:57:40 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#12 Text:LXXLD-1-AD :GOD140422-9 Exp:DIOXINRES8290A
 442.9728 S:12 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 36:44 37:01 37:12 37:21 37:39 37:48 38:10 38:28 38:35 38:49 39:00 3.4E7

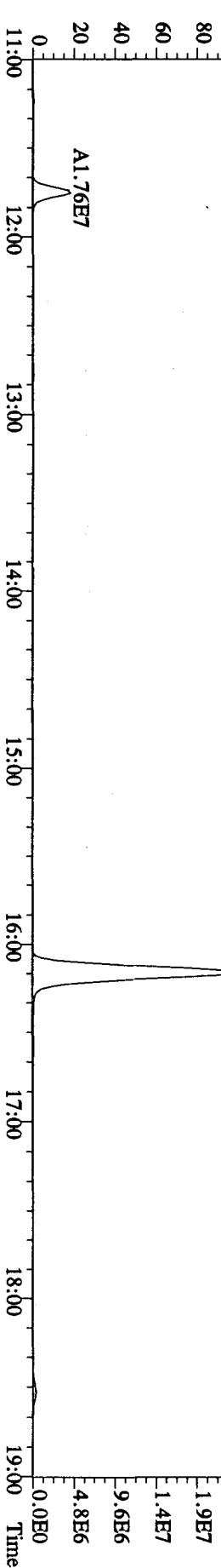
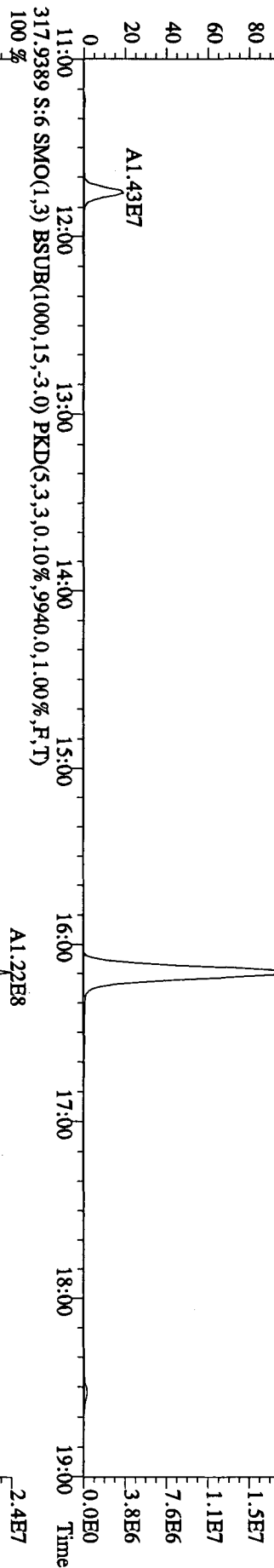
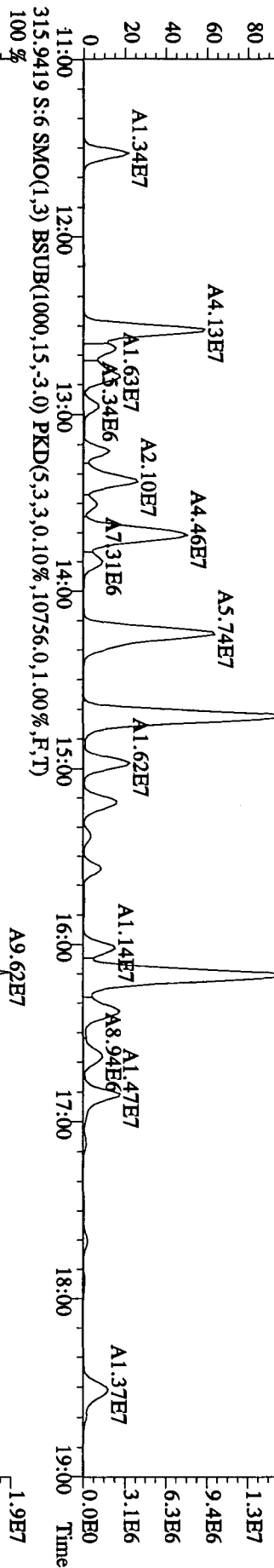
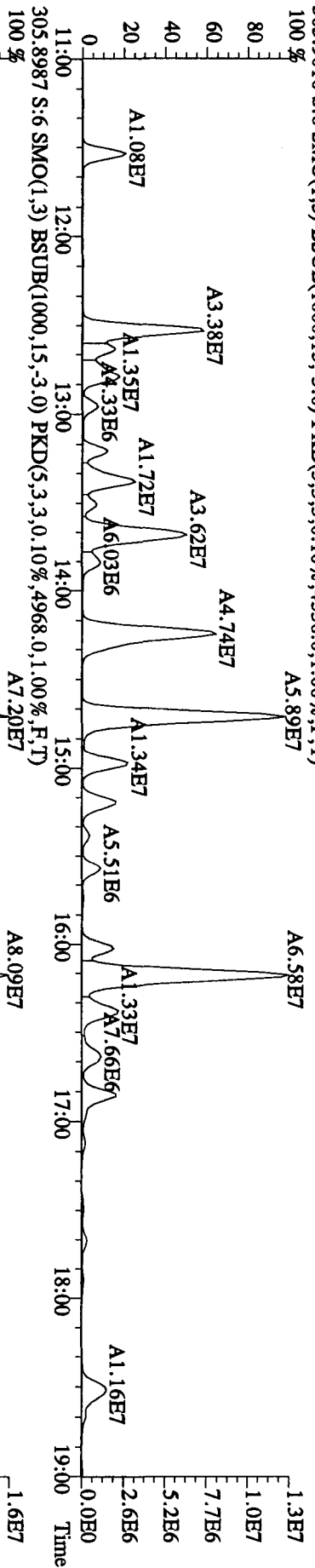


Run text: LXXLD-1-AD Sample text: LXXLD-1-AD :G0D140422-9
 Run #11 Filename: 28AP105D2 S: 6 I: 1 Results:
 Acquired: 28-APR-10 12:38:31 Processed: 28-APR-10 16:11:39
 Run: 21AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.2400g

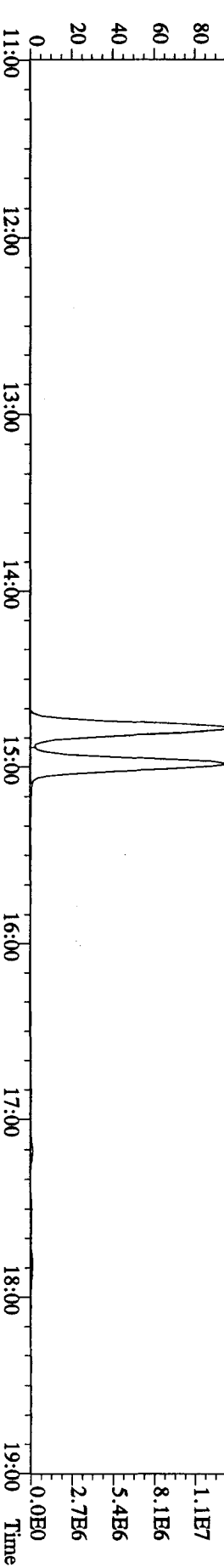
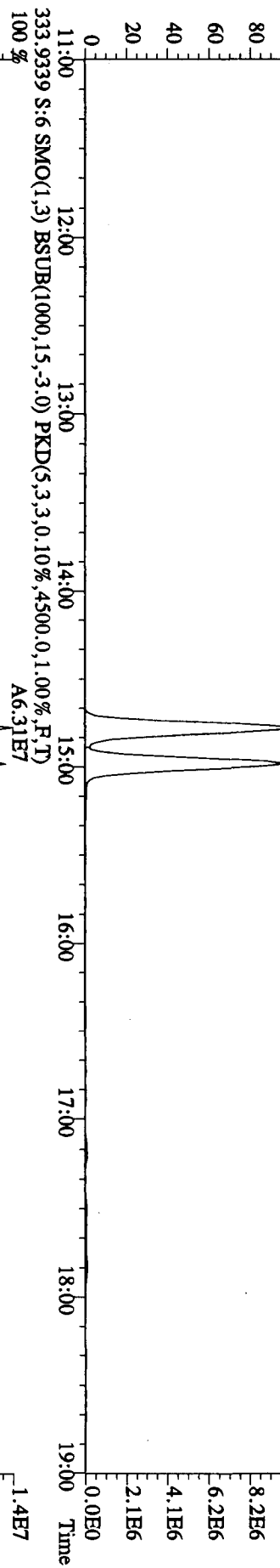
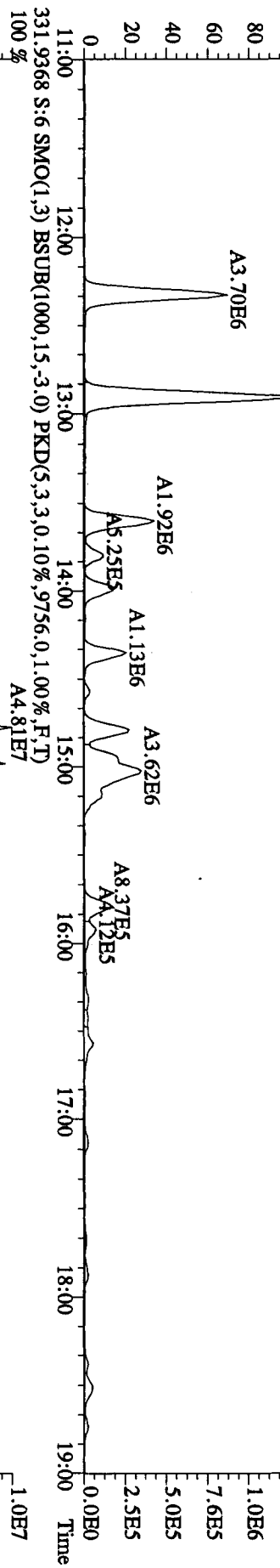
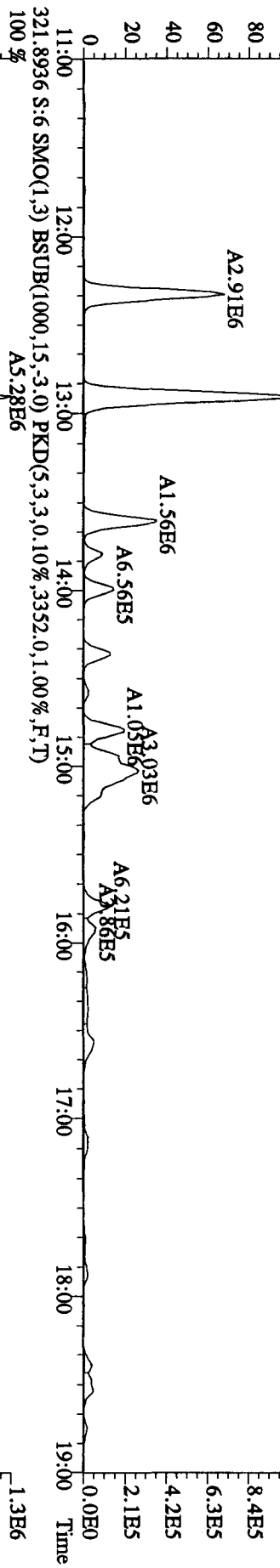
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	105383796	0.76 y	14:59	-	10.34	-	-	n
13C-2,3,7,8-TCDF	218465112	0.79 y	16:10	2.11	96.11	0.13	49.2	n
2,3,7,8-TCDF	146719064	0.81 y	16:10	1.09	✓120.51	0.12	-	n
13C-2,3,7,8-TCDD	111209756	0.76 y	14:47	0.95	108.65	0.19	55.6	n
2,3,7,8-TCDD	2422590	0.77 y	14:48	1.36	3.13	0.12	-	n
37C1-2,3,7,8-TCDD	135842272	1.00 y	14:48	2.28	55.26	0.04	70.7	n

AK 4/29/10

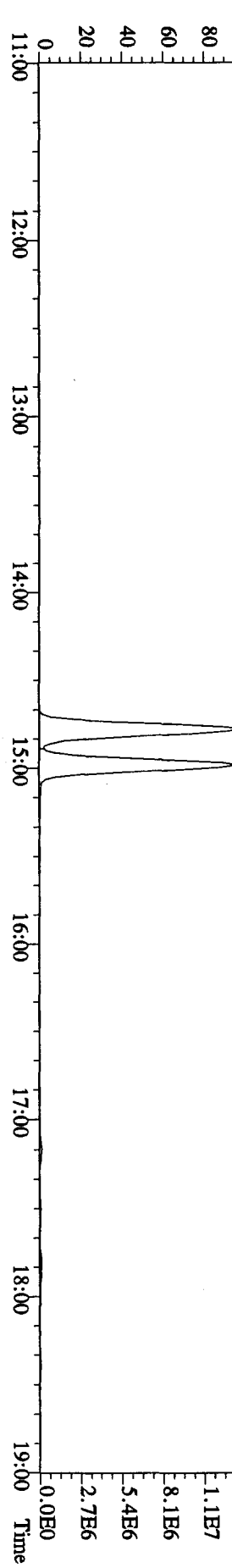
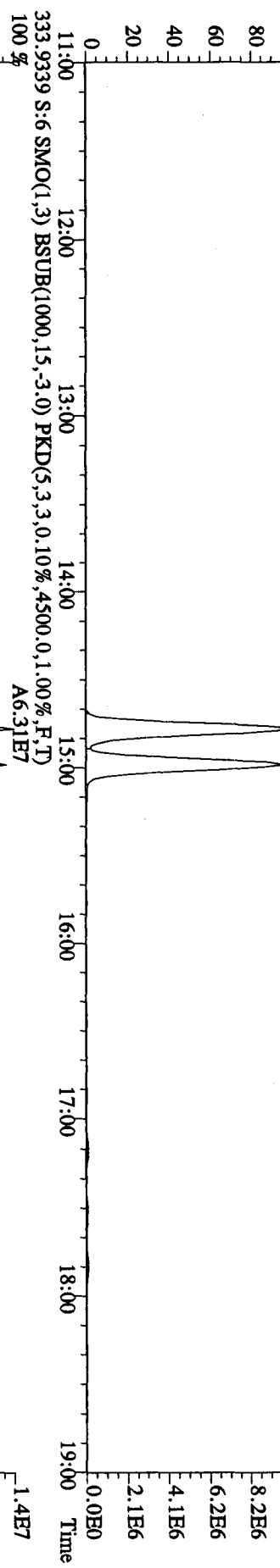
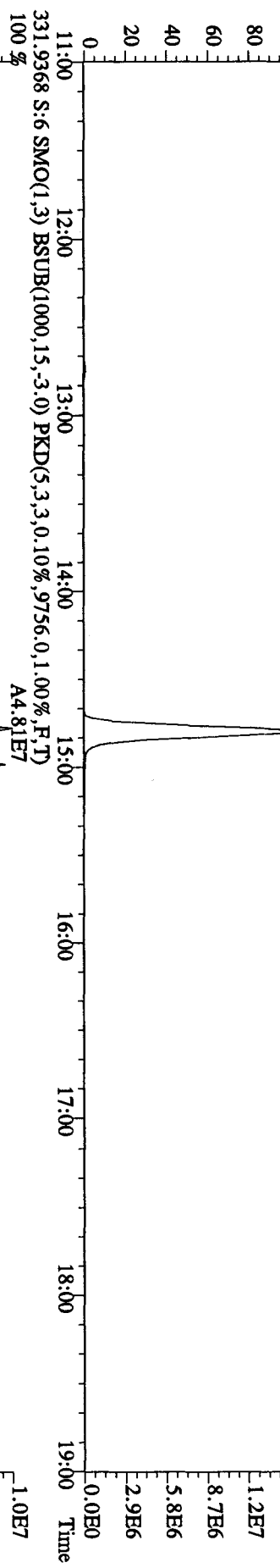
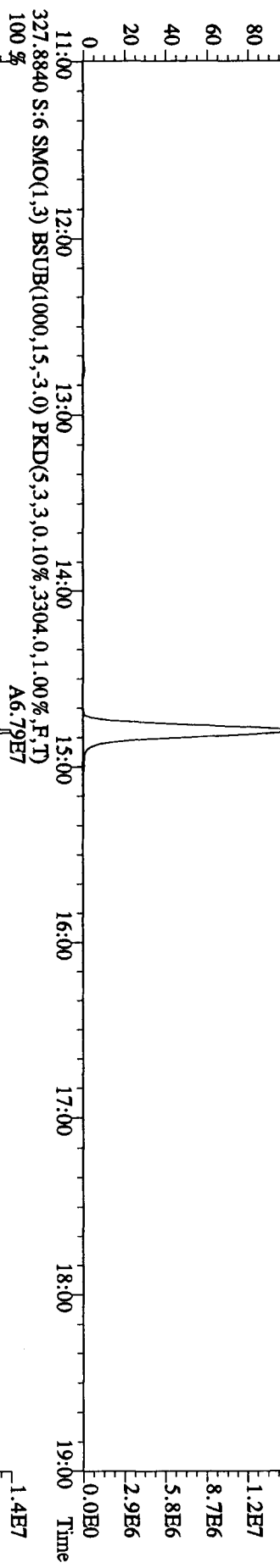
File:28AP105D2 #1-1242 Acq:28-APR-2010 12:38:31 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LXXLD-1-AD :G0D140422-9 Exp:DB225RES
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4536.0,1.00%,F,T)
 100%



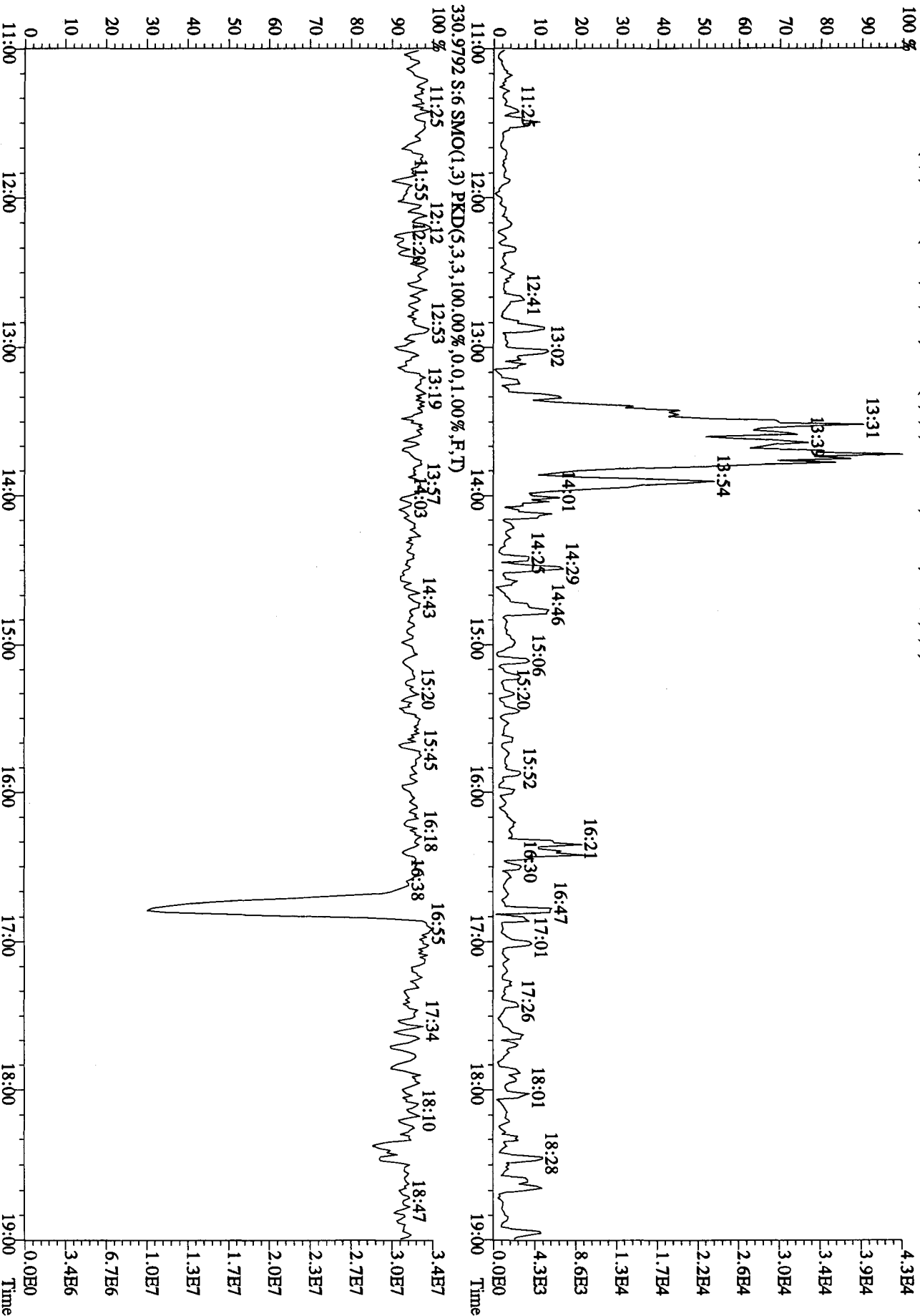
File:28AP105D2 #1-1242 Acq:28-APR-2010 12:38:31 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LXXLD-1-AD :GOD140422-9 Exp:DB225RES
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3476.0,1.00%,F,T)
 100% A4.52E6



File:28AP105D2 #1-1242 Acq:28-APR-2010 12:38:31 GC EI+ Voltage SIR 70SE
 Sample#6 Text:1,XXLD-1-AD :GOD140422-9 Exp:DB225RES
 327.8840 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3304.0,1.00%,F,T) A6.79E7



File:28AP105D2 #1-1242 Acq:28-APR-2010 12:38:31 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LXXLD-1-AD :GOD140422-9 Exp:DB225RES
 375.8364 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1420.0,1.00%,F,T)



Run text: LXXLV-1-AD Sample text: LXXLV-1-AD :G0D140422-11
 Run #16 Filename: 27AP104D5 S: 13 I: 1 Results: 27ap104d58290a
 Acquired: 27-APR-10 20:41:42 Processed: 28-APR-10 10:32:02
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.04 g

AK 4/29/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	186478600	0.82 y	19:31	-	13.961	-	-	n
13C-2,3,7,8-TCDF	250281000	0.78 y	18:57	1.52	87.904	0.261	44.1	n
2,3,7,8-TCDF	2956890000	0.80 y	18:59	0.95	2489.581	3.669	-	n
Total TCDF	21856520440	0.78 y	15:55	0.95	18402.301	3.669	-	n
13C-2,3,7,8-TCDD	226302000	0.80 y	19:43	0.95	127.276	0.115	63.9	n
2,3,7,8-TCDD	47523500	0.78 y	19:44	1.02	40.972	0.428	-	n
Total TCDD	1649168538	0.77 y	17:15	1.02	1421.802	0.428	-	n
37Cl-2,3,7,8-TCDD	241308000	1.00 y	19:44	2.26	56.997	0.487	71.5	n
13C-1,2,3,7,8-PeCDF	257330300	1.58 y	24:35	1.05	130.859	0.474	65.7	n
1,2,3,7,8-PeCDF	2390007000	1.54 y	24:37	1.04	1770.880	4.290	-	n
2,3,4,7,8-PeCDF	1213844000	1.54 y	26:06	0.98	956.732	4.564	-	n
Total F2 PeCDF	18114922750	1.56 y	22:27	1.01	13811.727	4.423	-	n
Total F1 PeCDF	1877371970	1.50 y	20:23	1.01	1434.009	0.482	-	n
13C-1,2,3,7,8-PeCDD	173219000	1.57 y	26:54	0.67	137.992	0.128	69.3	n
1,2,3,7,8-PeCDD	118038600	1.54 y	26:55	0.98	138.244	1.763	-	n
Total PeCDD	1312842586	1.51 y	23:16	0.98	1537.573	1.763	-	n
13C-1,2,3,7,8,9-HxCDD	146932300	1.26 y	33:05	-	14.242	-	-	n
13C-1,2,3,4,7,8-HxCDF	148230500	0.53 y	31:55	1.02	98.044	1.101	49.2	n
1,2,3,4,7,8-HxCDF	998756000	1.17 y	31:55	1.21	1106.863	56.050	-	y
1,2,3,6,7,8-HxCDF	2348400000	1.22 y	32:03	1.34	2350.300	50.617	-	y
2,3,4,6,7,8-HxCDF	452128000	1.25 y	32:37	1.22	497.109	55.607	-	y
1,2,3,7,8,9-HxCDF	383512000	1.19 y	33:16	1.09	471.770	62.215	-	n
Total HxCDF	13650536200	1.20 y	30:34	1.22	14876.205	55.824	-	y
13C-1,2,3,6,7,8-HxCDD	136205800	1.27 y	32:49	0.81	114.402	0.167	57.4	n
1,2,3,4,7,8-HxCDD	68841500	1.21 y	32:45	1.01	100.006	1.146	-	n
1,2,3,6,7,8-HxCDD	137505000	1.26 y	32:50	1.11	180.538	1.036	-	n
1,2,3,7,8,9-HxCDD	119539900	1.29 y	33:06	1.21	144.603	0.954	-	y
Total HxCDD	869686960	1.21 y	31:23	1.11	1141.714	1.040	-	y
13C-1,2,3,4,6,7,8-HpCDF	79752300	0.44 y	34:36	0.86	62.674	0.793	31.5	n
1,2,3,4,6,7,8-HpCDF	3621360000	0.96 y	34:37	1.31	6906.531	7.432	-	n
1,2,3,4,7,8,9-HpCDF	1740752000	0.97 y	35:44	1.03	4239.332	9.490	-	n
Total HpCDF	7554491817	0.96 y	34:37	1.17	15835.657	8.336	-	n
13C-1,2,3,4,6,7,8-HpCDD	73073000	1.06 y	35:24	0.70	71.017	0.432	35.7	n
1,2,3,4,6,7,8-HpCDD	221545000	1.03 y	35:25	1.07	563.464	1.275	-	n
Total HpCDD	318145671	0.33 n	34:30	1.07	809.152	1.275	-	n
13C-OCDD	75945100	0.93 y	37:55	0.53	96.881	0.600	24.3	n
OCDF	4627990000	0.89 y	38:02	1.45	16797.500	0.409	-	n

OCDD 117627300 0.91 y 37:56 1.17

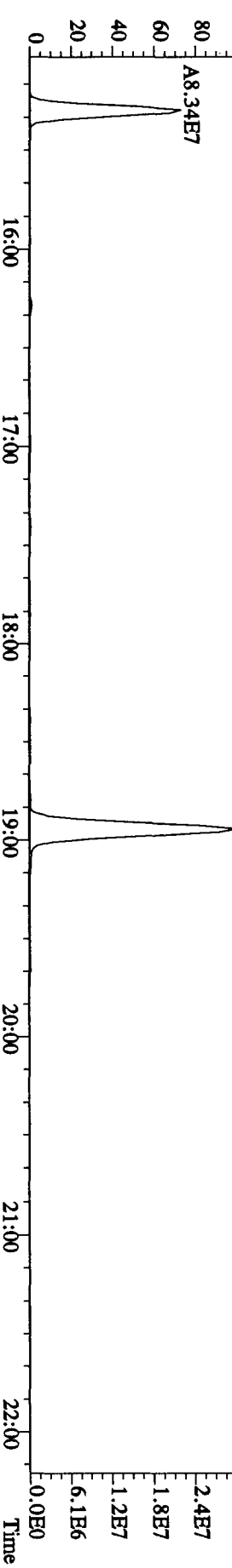
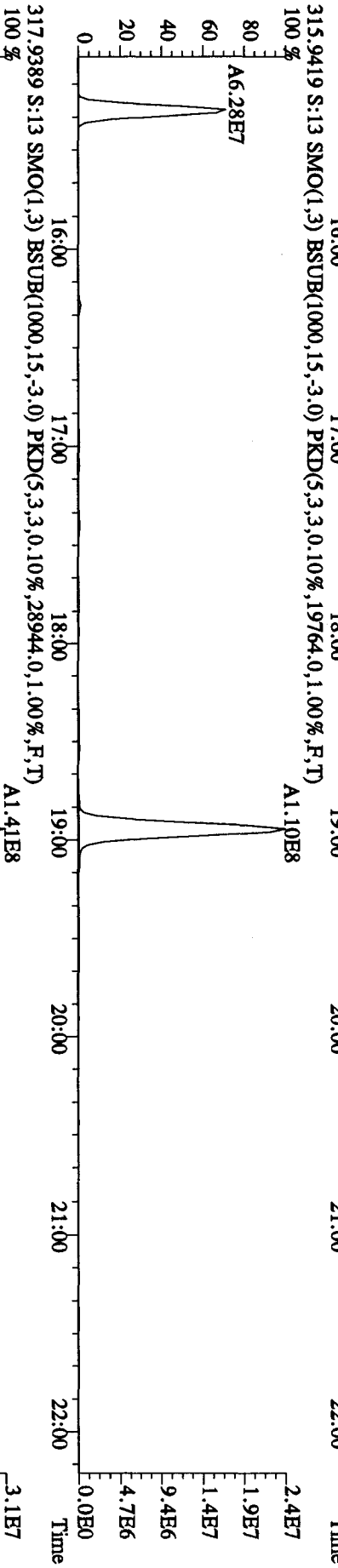
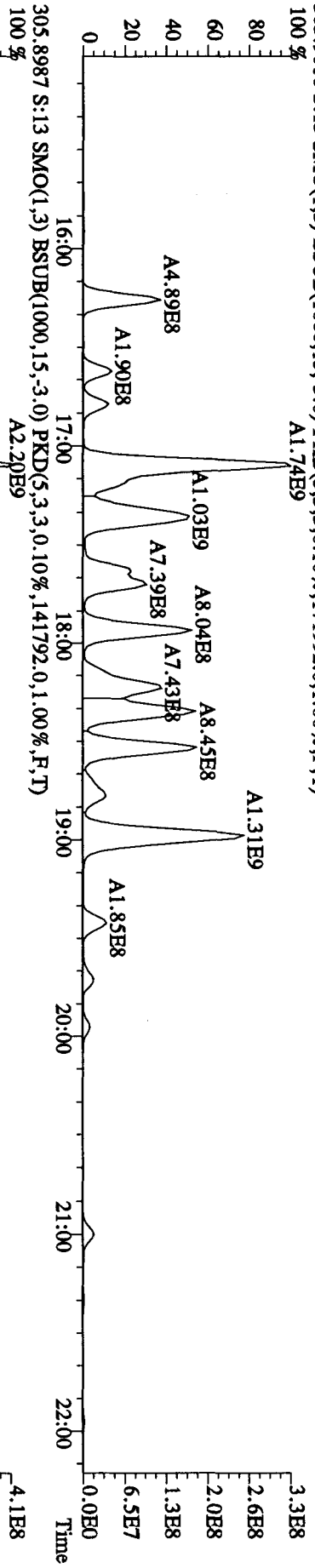
✓529.106 ~~F~~AK 4129110 2.092

- n

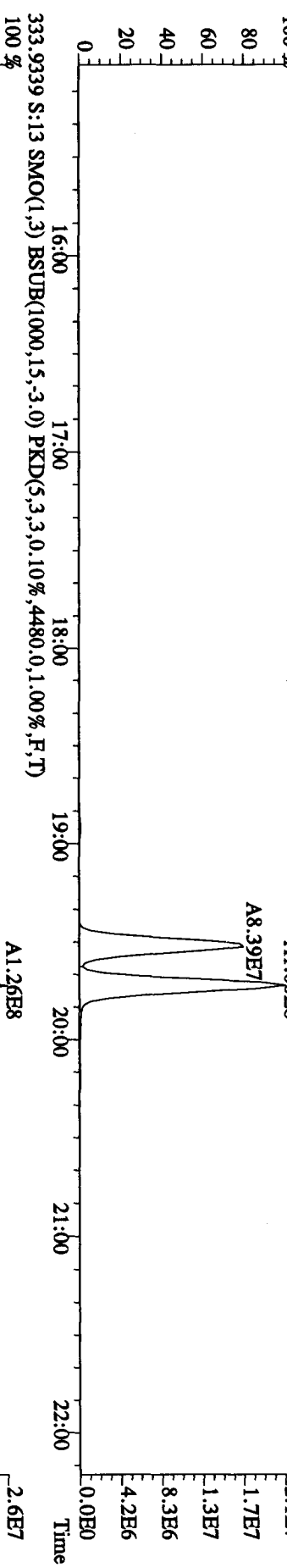
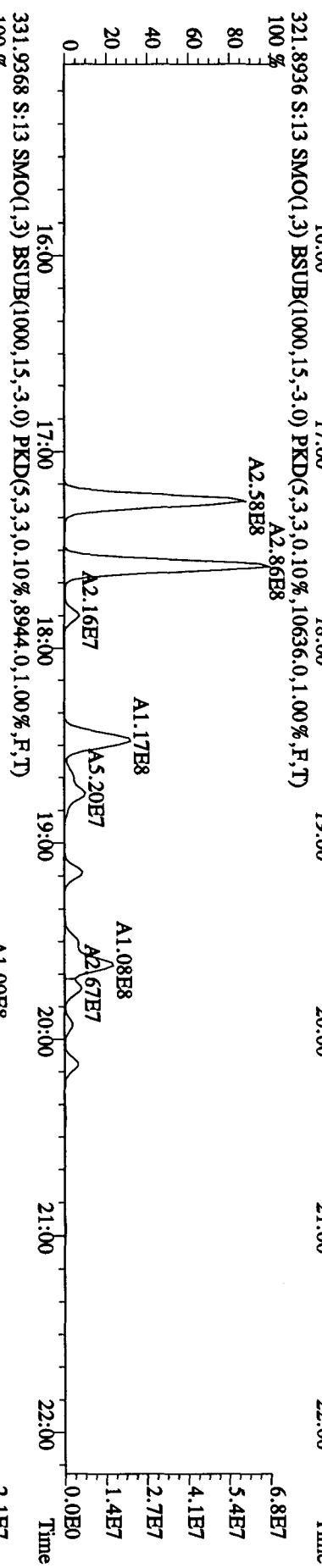
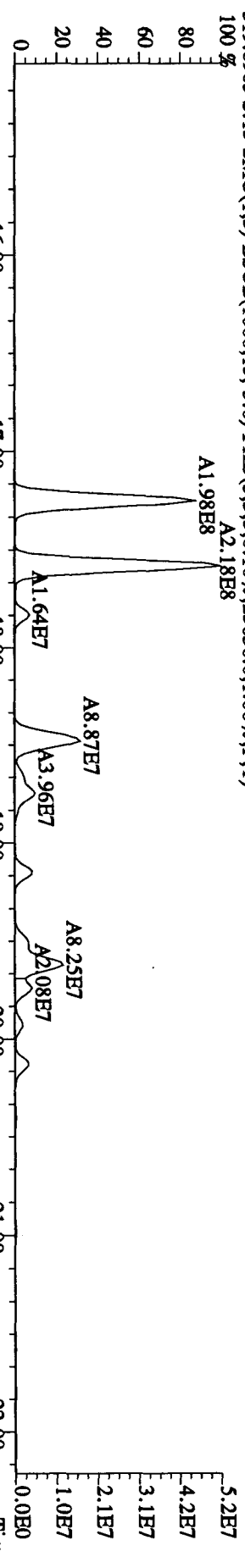
Run text: LXXLV-1-AD Sample text: LXXLV-1-AD :G0D140422-11
 Run #16 Filename: 27AP104D5 S: 13 I: 1 Results: 27AP104D58290A
 Acquired: 27-APR-10 20:41:42 Processed: 28-APR-10 10:32:02
 Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.04 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	186478600	0.82 y	19:31	-	13.9610	-	-	n
13C-2,3,7,8-TCDF	250281000	0.78 y	18:57	1.52	87.9045	0.2606	44.1	n
2,3,7,8-TCDF	2956890000	0.80 y	18:59	0.95	2489.5811	3.6692	-	n
Total TCDF	21856520440	0.78 y	15:55	0.95	18402.3014	3.6692	-	n
13C-2,3,7,8-TCDD	226302000	0.80 y	19:43	0.95	127.2755	0.1150	63.9	n
2,3,7,8-TCDD	47523500	0.78 y	19:44	1.02	40.9716	0.4284	-	n
Total TCDD	1649168538	0.77 y	17:15	1.02	1421.8024	0.4284	-	n
37Cl-2,3,7,8-TCDD	241308000	1.00 y	19:44	2.26	56.9969	0.4872	71.5	n
13C-1,2,3,7,8-PeCDF	257330300	1.58 y	24:35	1.05	130.8593	0.4742	65.7	n
1,2,3,7,8-PeCDF	2390007000	1.54 y	24:37	1.04	1770.8800	4.2902	-	n
2,3,4,7,8-PeCDF	1213844000	1.54 y	26:06	0.98	956.7324	4.5637	-	n
Total F2 PeCDF	18114922750	1.56 y	22:27	1.01	13811.7267	4.4227	-	n
Total F1 PeCDF	1877371970	1.50 y	20:23	1.01	1434.0089	0.1818	-	n
13C-1,2,3,7,8-PeCDD	173219000	1.57 y	26:54	0.67	137.9922	0.1282	69.3	n
1,2,3,7,8-PeCDD	118038600	1.54 y	26:55	0.98	138.2442	1.7634	-	n
Total PeCDD	1312842586	1.51 y	23:16	0.98	1537.5726	1.7634	-	n
13C-1,2,3,7,8,9-HxCDD	146932300	1.26 y	33:05	-	14.2420	-	-	n
13C-1,2,3,4,7,8-HxCDF	148230500	0.53 y	31:55	1.02	98.0440	1.1007	49.2	n
1,2,3,4,7,8-HxCDF	3423440000	1.20 y	31:56	1.21	3793.9991	56.0502	-	n
1,2,3,6,7,8-HxCDF	2327980000	1.22 y	32:03	1.34	2329.8631	50.6167	-	n
2,3,4,6,7,8-HxCDF	1245417000	1.21 y	32:33	1.22	1369.3200	55.6074	-	n
1,2,3,7,8,9-HxCDF	383512000	1.19 y	33:16	1.09	471.7699	62.2148	-	n
Total HxCDF	15274912300	1.20 y	30:34	1.22	16678.6975	55.8238	-	n
13C-1,2,3,6,7,8-HxCDD	136205800	1.27 y	32:49	0.81	114.4023	0.1672	57.4	n
1,2,3,4,7,8-HxCDD	68841500	1.21 y	32:45	1.01	100.0063	1.1462	-	n
1,2,3,6,7,8-HxCDD	137505000	1.26 y	32:50	1.11	180.5378	1.0359	-	n
1,2,3,7,8,9-HxCDD	139786500	1.25 y	33:06	1.21	169.0944	0.9544	-	n
Total HxCDD	889933600	1.21 y	31:23	1.11	1166.2060	1.0396	-	n
13C-1,2,3,4,6,7,8-HpCDF	79752300	0.44 y	34:36	0.86	62.6740	0.7933	31.5	n
1,2,3,4,6,7,8-HpCDF	3621360000	0.96 y	34:37	1.31	6906.5307	7.4317	-	n
1,2,3,4,7,8,9-HpCDF	1740752000	0.97 y	35:44	1.03	4239.3322	9.4899	-	n
Total HpCDF	7554491817	0.96 y	34:37	1.17	15835.6565	8.3356	-	n
13C-1,2,3,4,6,7,8-HpCDD	73073000	1.06 y	35:24	0.70	71.0174	0.4321	35.7	n
1,2,3,4,6,7,8-HpCDD	221545000	1.03 y	35:25	1.07	563.4635	1.2746	-	n
Total HpCDD	318145671	0.33 n	34:30	1.07	809.1516	1.2746	-	n
13C-OCDD	75945100	0.93 y	37:55	0.53	96.8808	0.5998	24.3	n
OCDF	4627990000	0.89 y	38:02	1.45	16797.4997	0.4091	-	n
OCDD	117627300	0.91 y	37:56	1.17	529.1062	2.0925	-	n

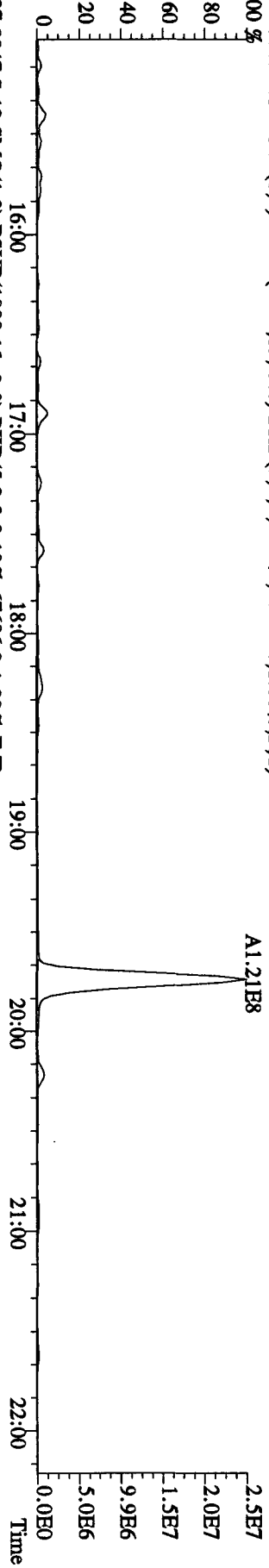
File: 27AP104D5 #1-434 Acq: 27-APR-2010 20:41:42 GC EI + Voltage SIR Autospec-UltimaE
 Sample#13 Text: LXXLV-1-AD :G0D140422-11 Exp: DIOXINRES8290A
 303,9016 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,171992.0,1.00%,F,T)
 100%



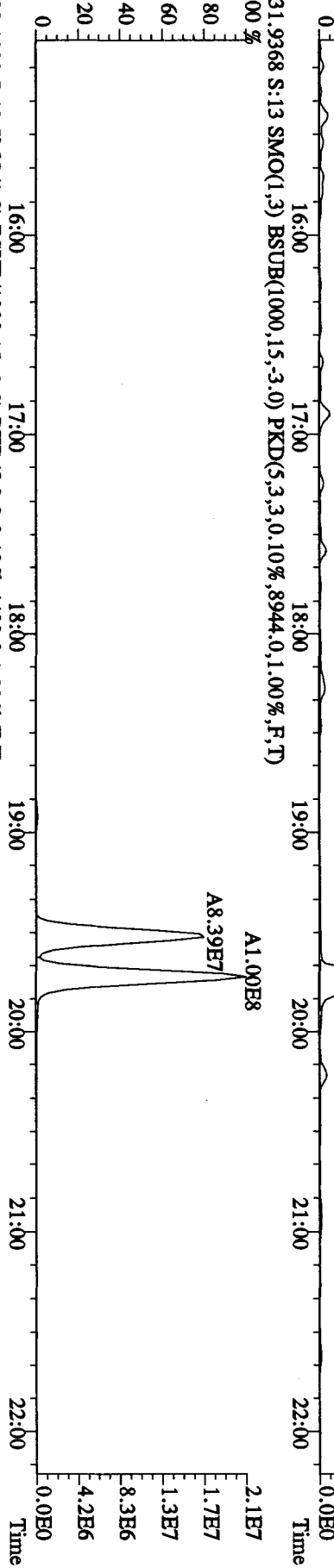
File: 27AP104D5 #1-434 Acq: 27-APR-2010 20:41:42 GC EI + Voltage SIR Autospec-Ultimate
 Sample#13 Text: LXXLV-1-AD : GOD140422-11 Exp: DIOXINRES8290A
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,23636,0,1,00%,F,T)



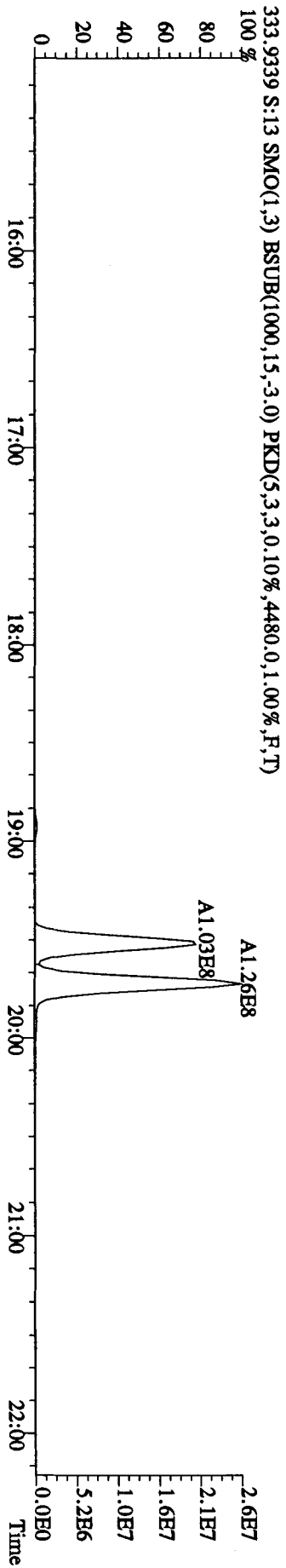
File: 27AP104D5 #1-434 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#13 Text: LXXLV-1-AD :G0D140422-11 Exp: DIOXINRES8290A
 327.8847 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,67696,0,1,00%,F,T)
 100%



327.8847 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,67696,0,1,00%,F,T)
 100%

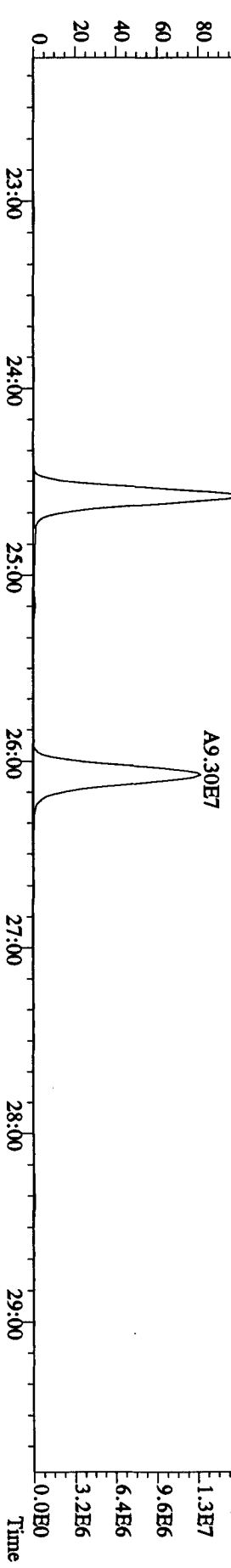
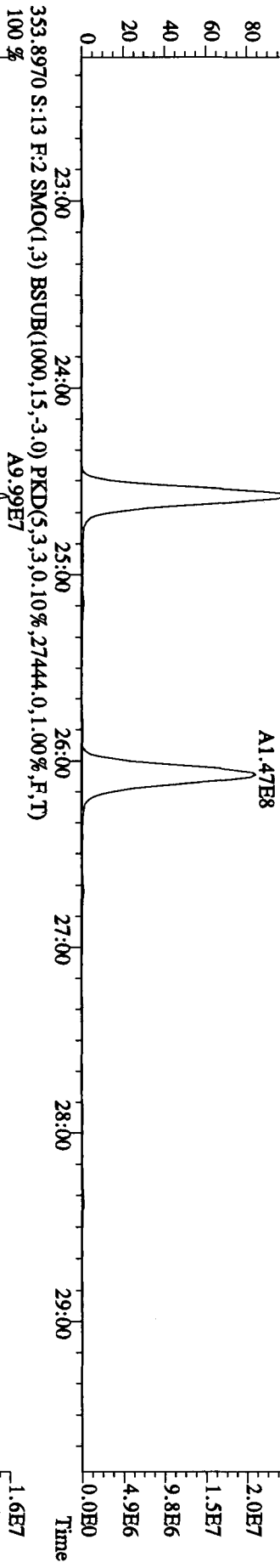
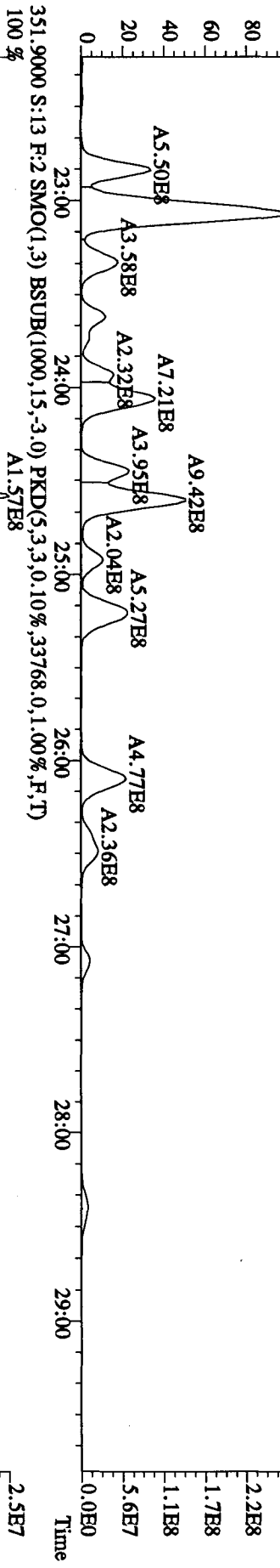
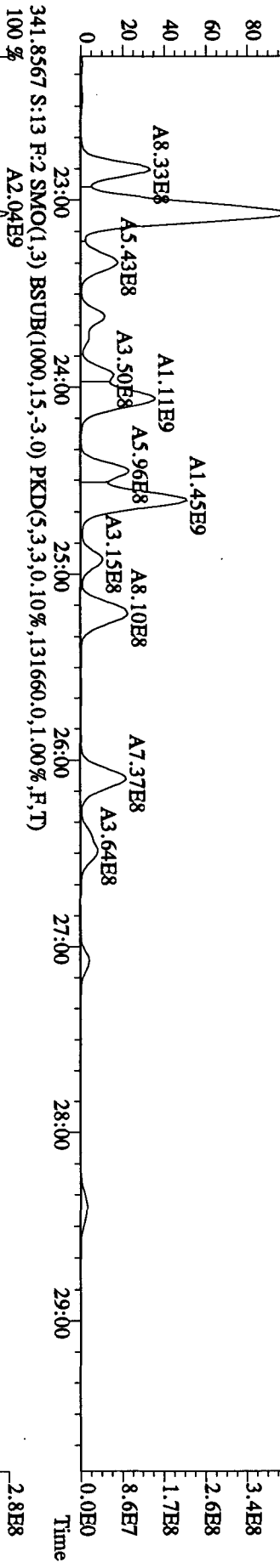


331.9368 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8944,0,1,00%,F,T)
 100%

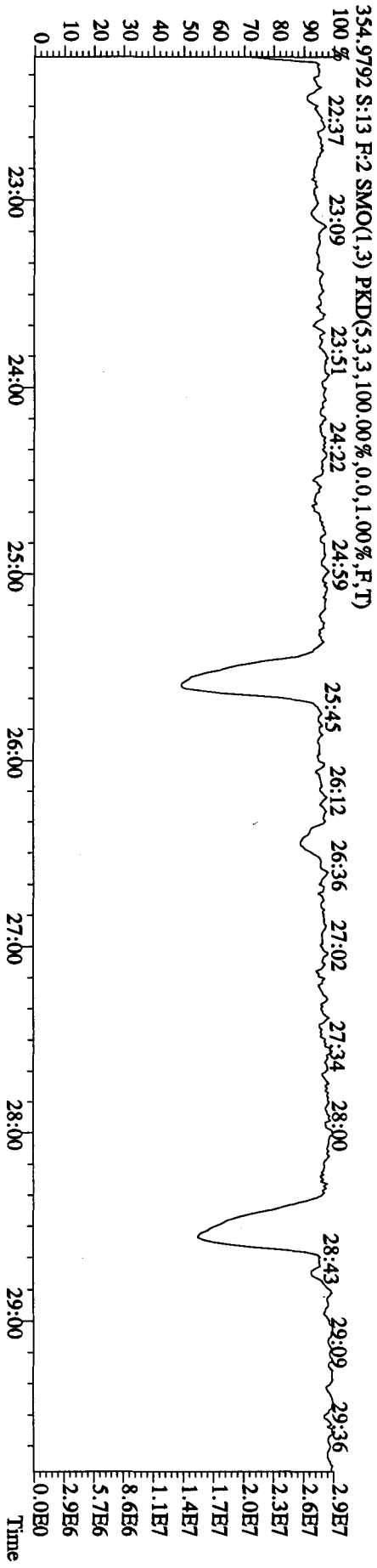
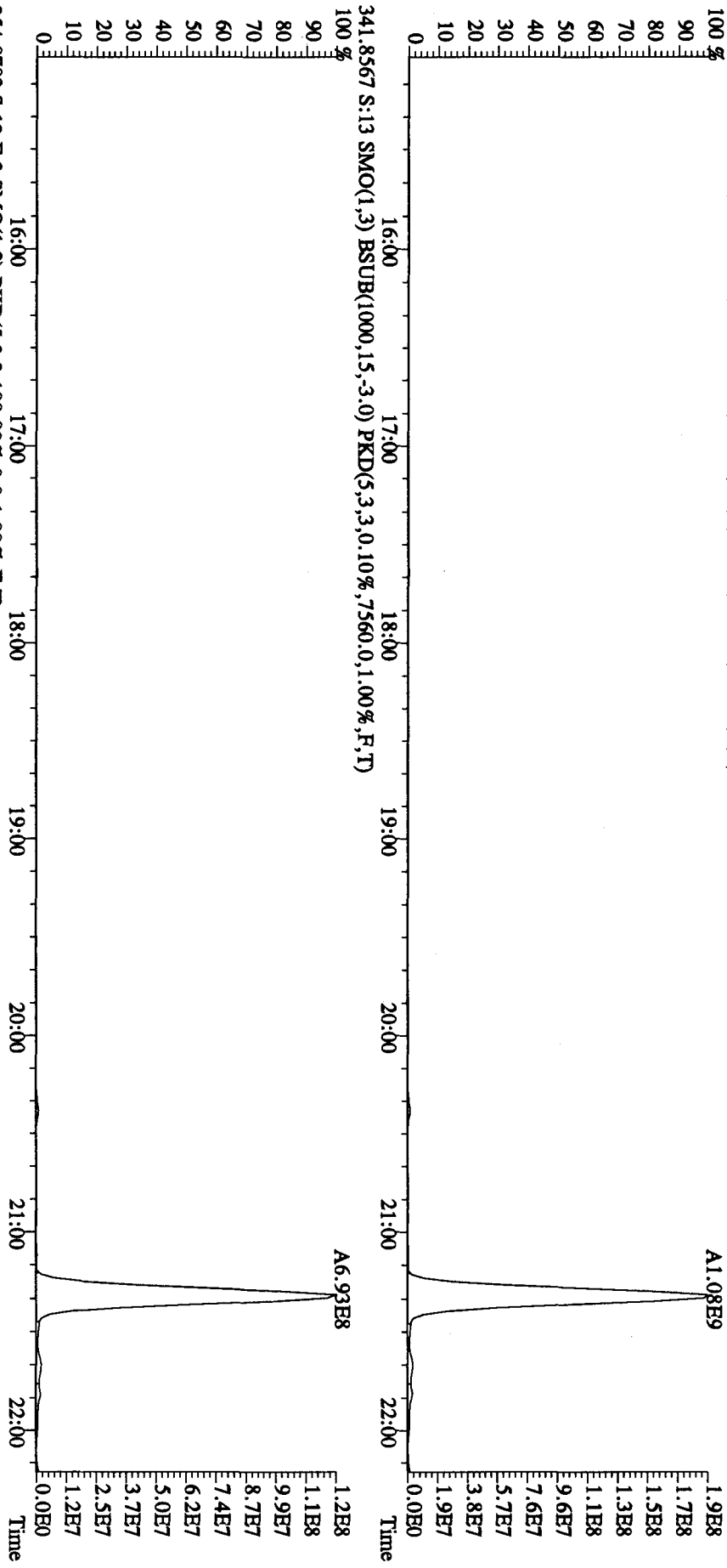


333.9339 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4480,0,1,00%,F,T)
 100%

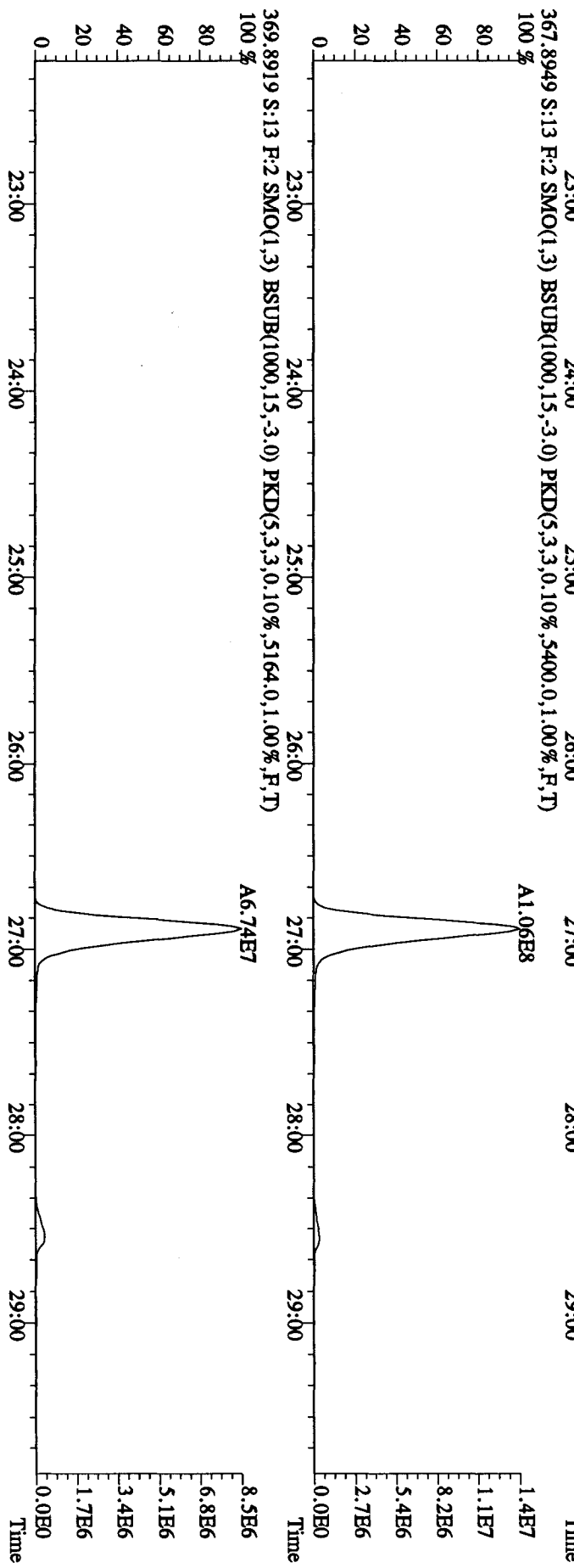
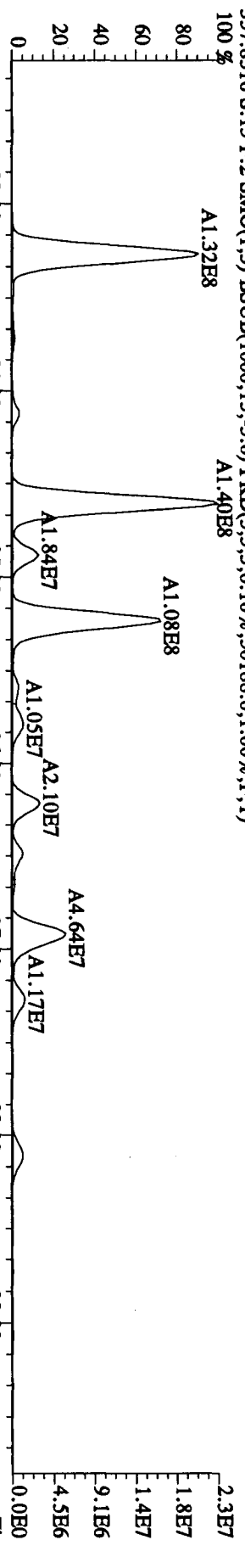
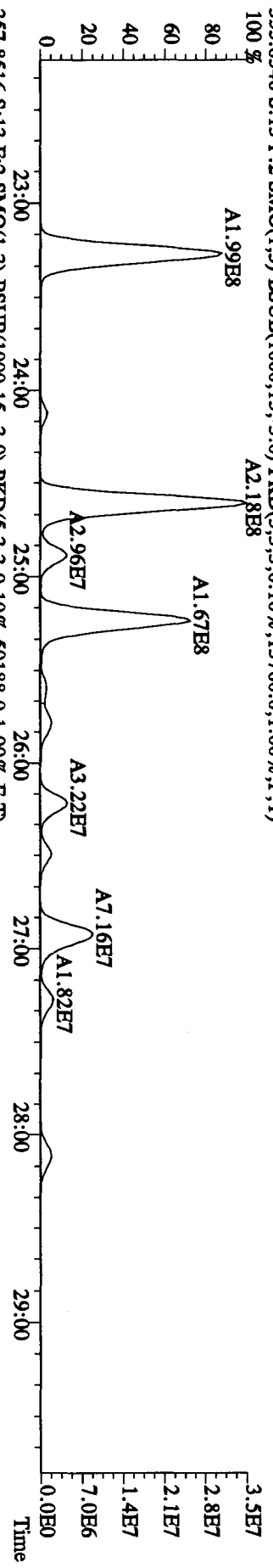
File:27AD104D5 #1-604 Acq:27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#13 Text:LXXLV-1-AD :GOD140422-11 Exp:DIOXINRES8290A
 339.8597 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,173460.0,1.00%,F,T)



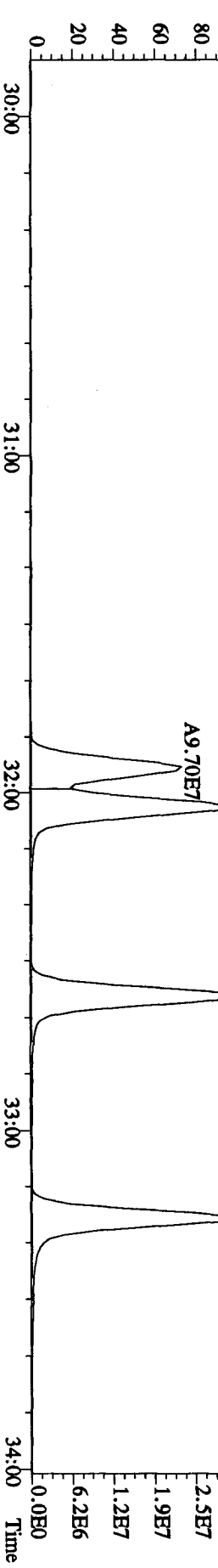
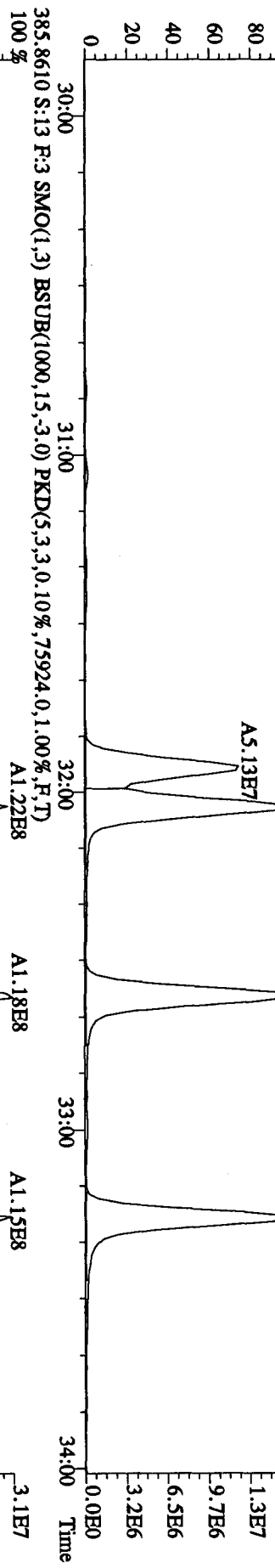
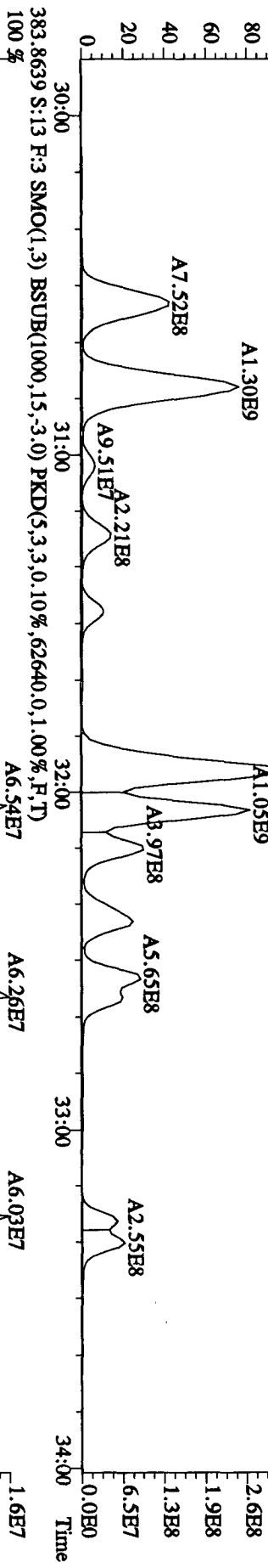
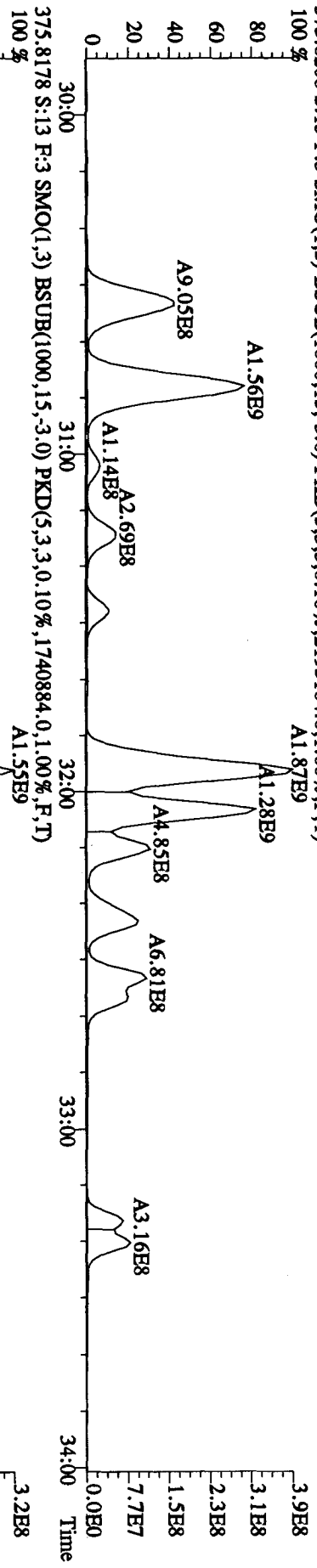
File: 27ADP104D5 #1-434 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LXXIV-1-AD :G0D140422-11 Exp: DIOXINRES8290A
 339.8597 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4980,0,1.00%,F,T)



File: 27AP104D5 #1-604 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LXXIV-1-AD :GOD140422-11 Exp: DIOXINRES8290A
 355.8546 S:13 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13760.0,1.00%,F,T)
 100%



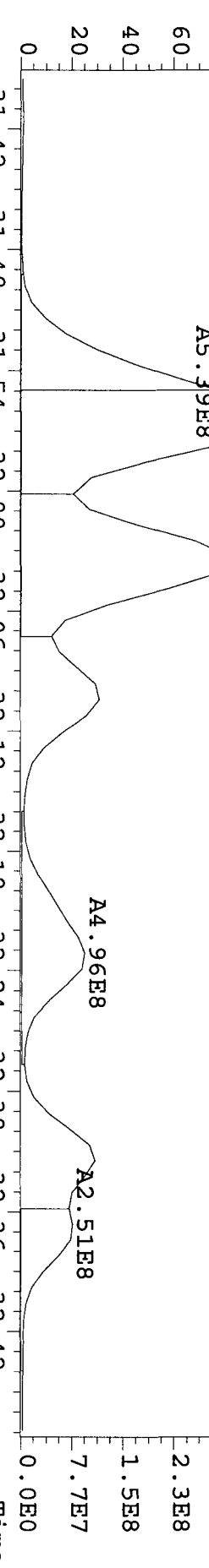
File:27AP104D5 #1-317 Acq:27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text:LXXLV-1-AD :GOD140422-11 Exp:DIOXINRES8290A
 373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2193184.0,1.00%,F,T) A1.87E9



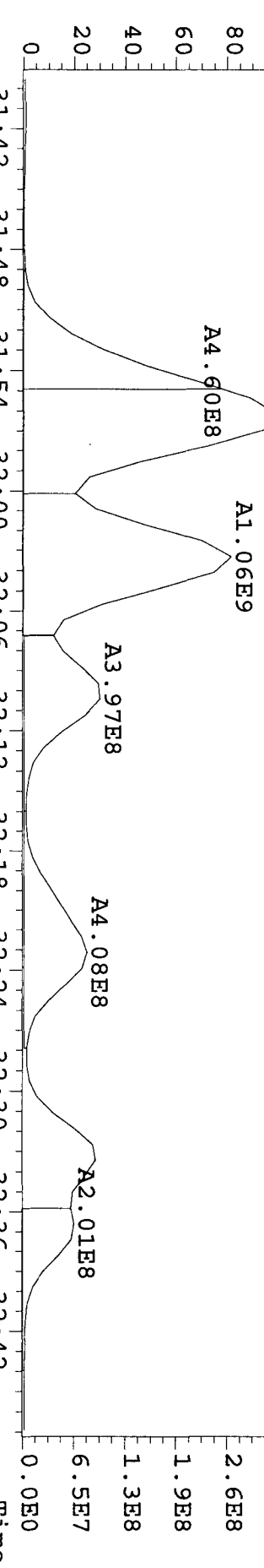
File: 27API04D5 #1-317 Acq: 27-APR-2010 20:41:42 GC FI+ Voltage SIR Autospec-UltimaE

Sample#13 Text: LXXLV-1-AD :GOD140422-11 Exp: DIOXINRES8290A

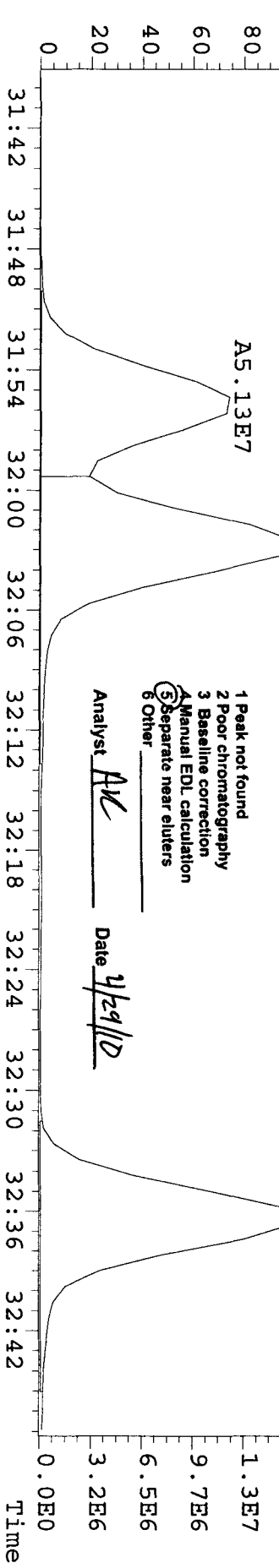
373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740884.0,1.00%,F,T)



375.8178 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740884.0,1.00%,F,T)



383.8639 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62640.0,1.00%,F,T)

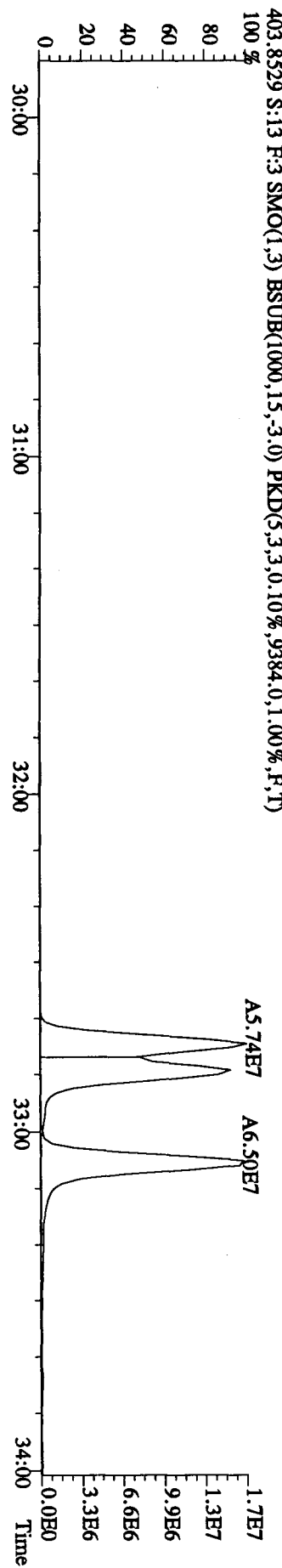
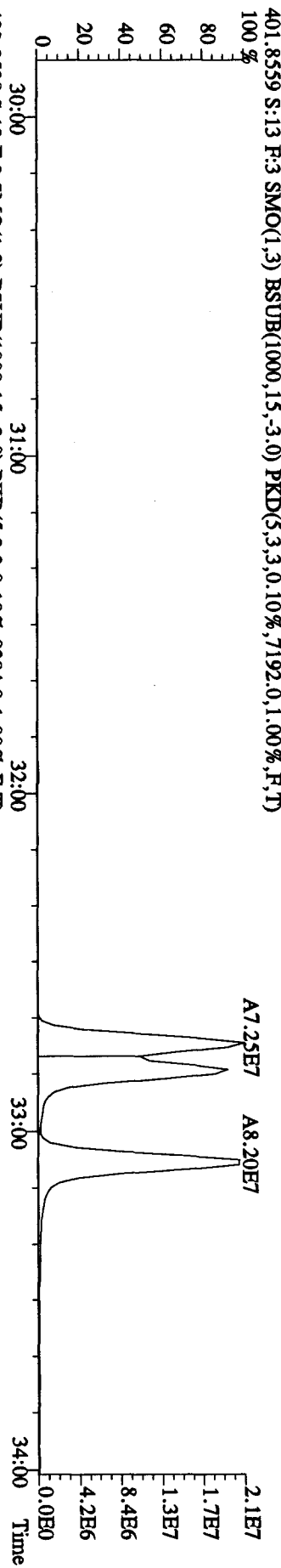
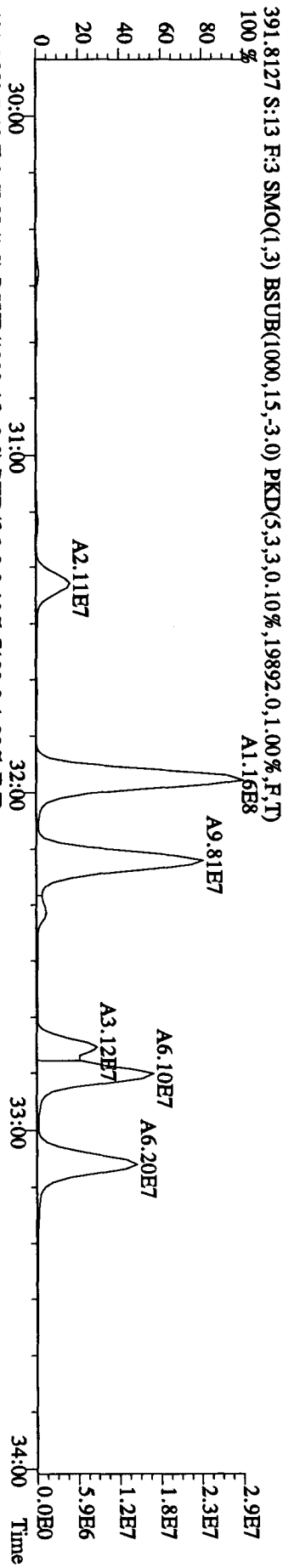
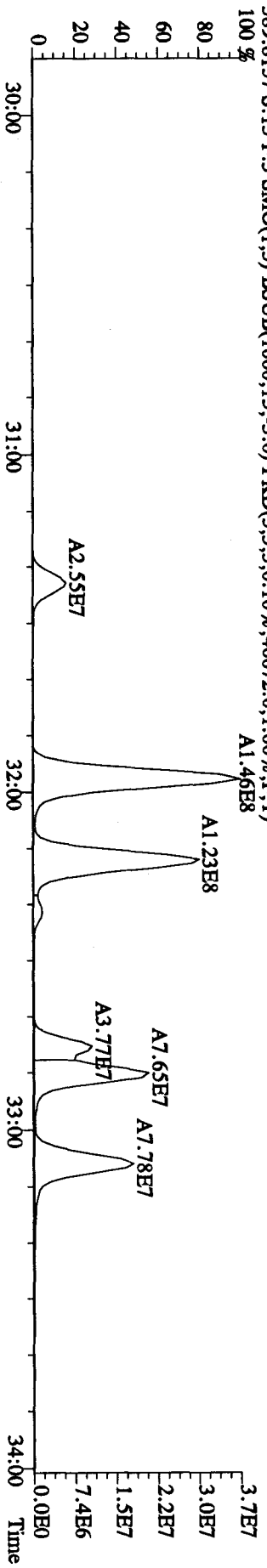


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

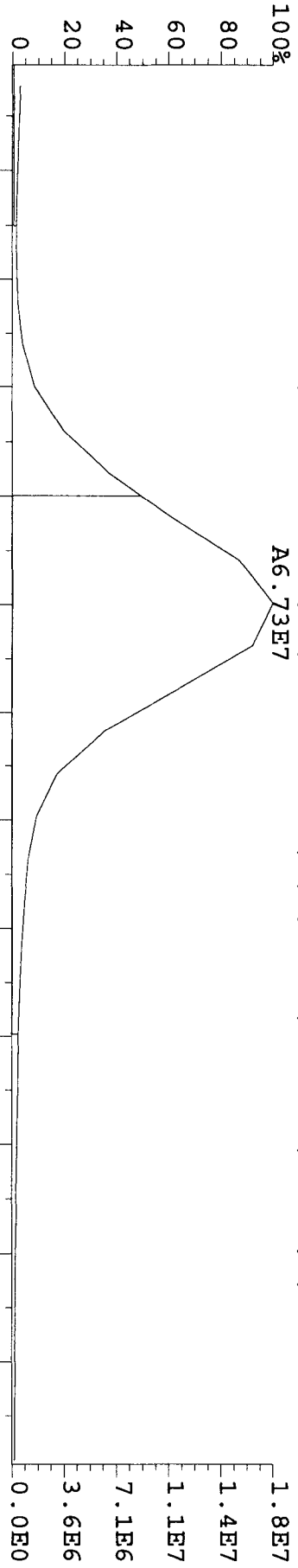
Manual Edit Codes

Analyst *AK* Date *4/29/10*

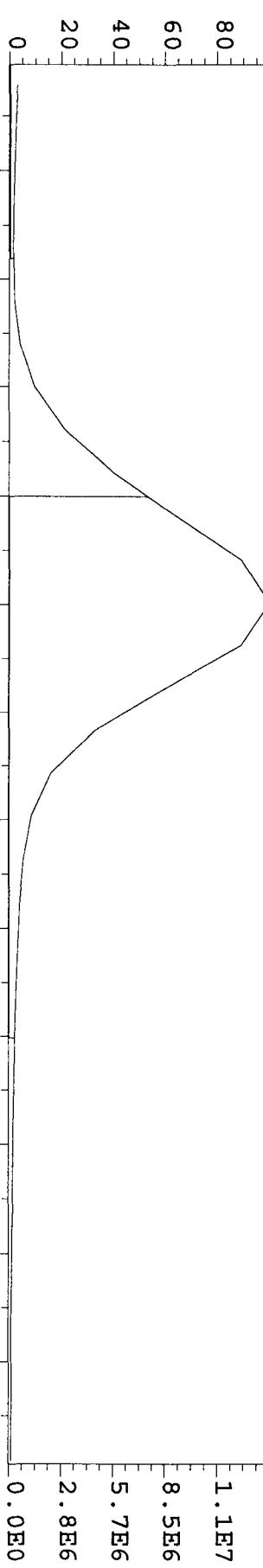
File: 27API04D5 #1-317 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LXXLY-1-AD :G0D140422-11 Exp: DIOXINRES8290A
 389.8157 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T) A1.46E8



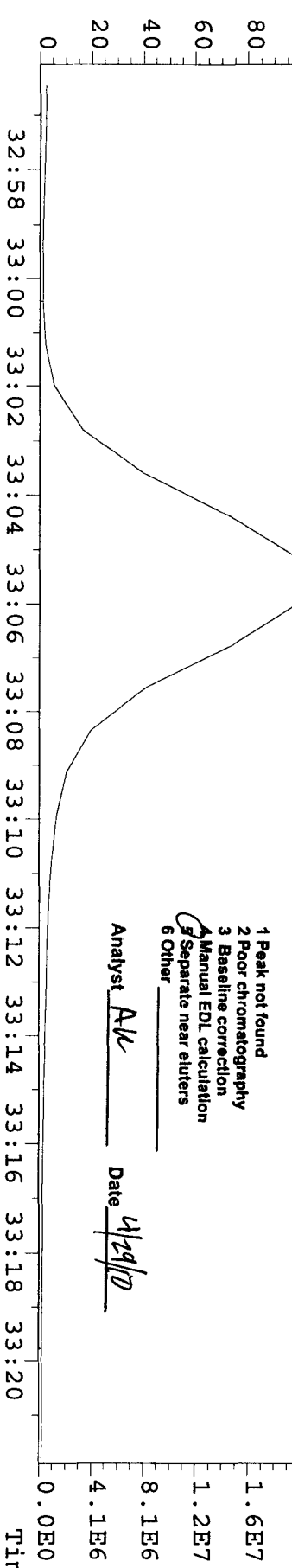
File: 27API04D5 #1-317 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LXXLV-1-AD : GOD140422-11 Exp: DIOXINRES8290A
 389.8157 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,46672.0,1.00%,F,T)



391.8127 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19892.0,1.00%,F,T)



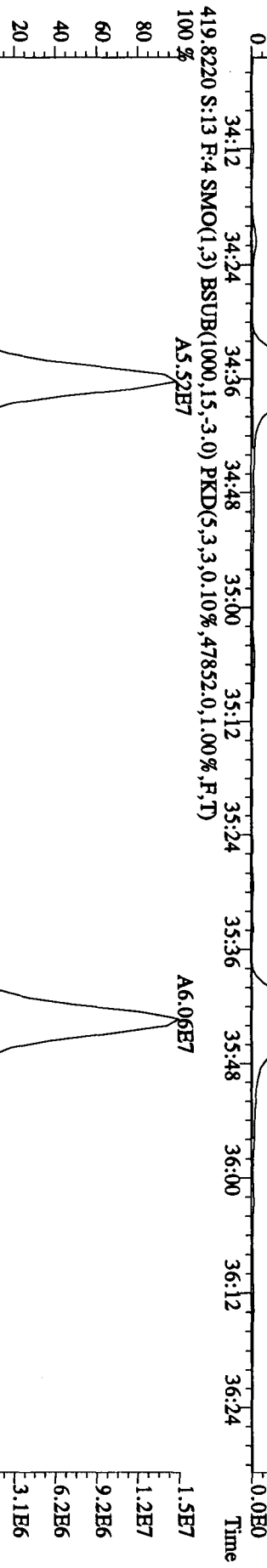
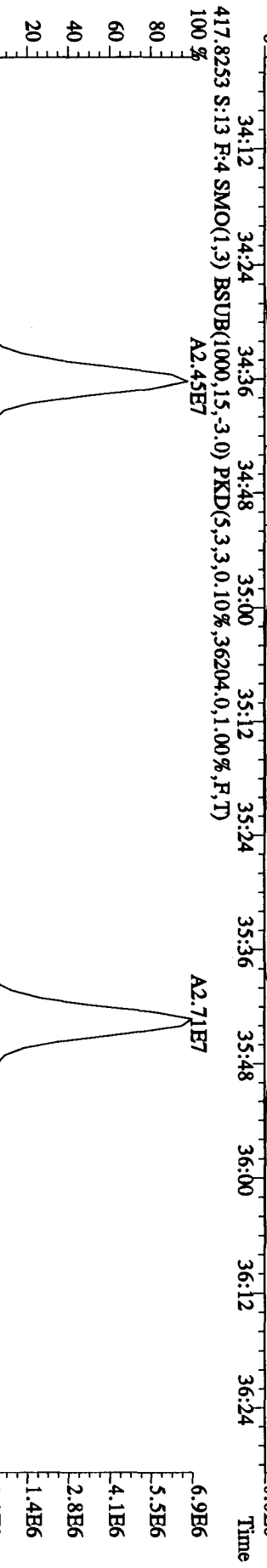
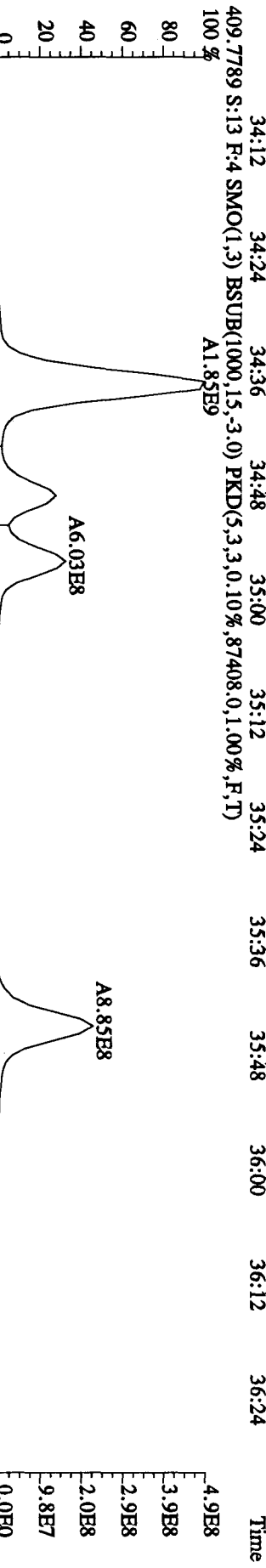
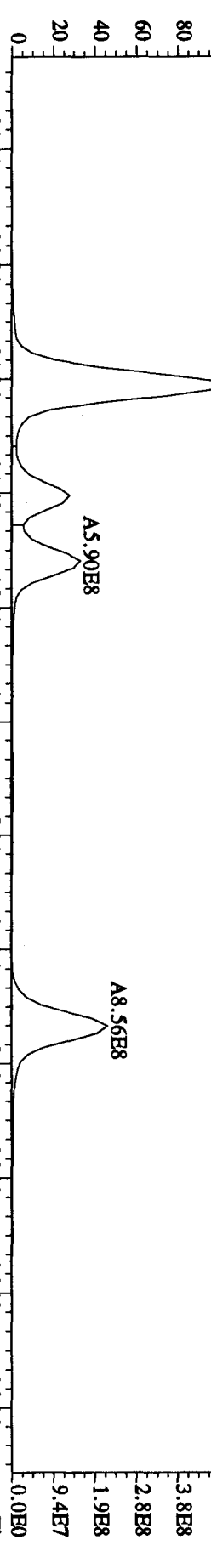
401.8559 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7192.0,1.00%,F,T)



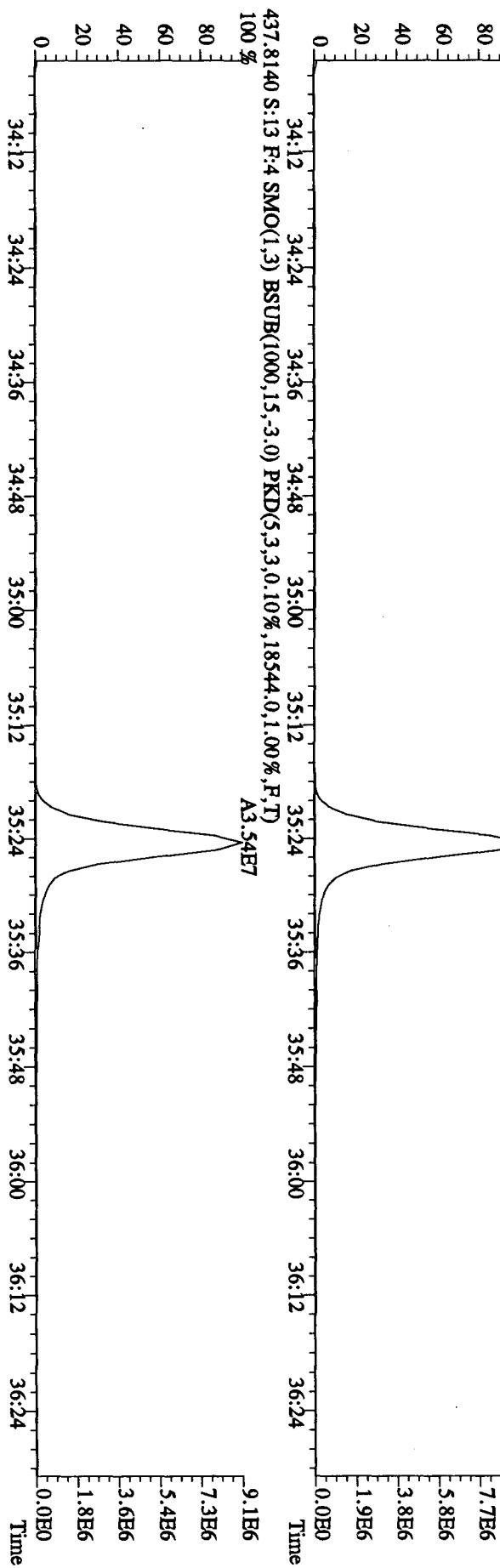
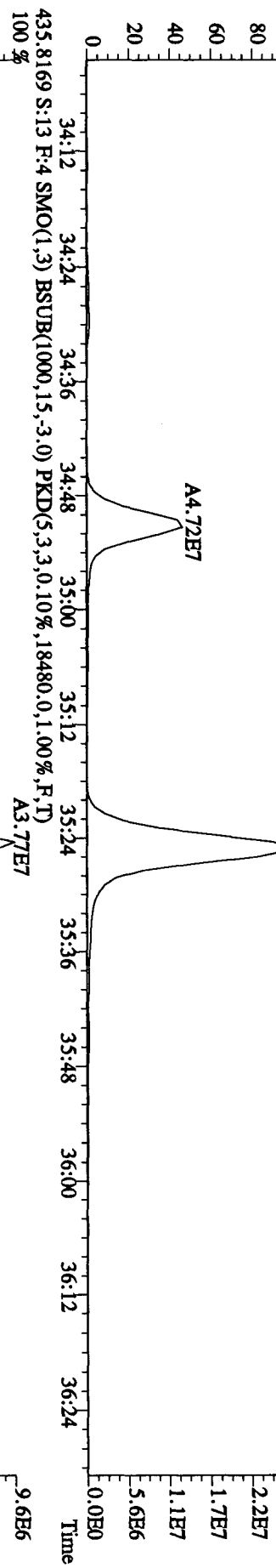
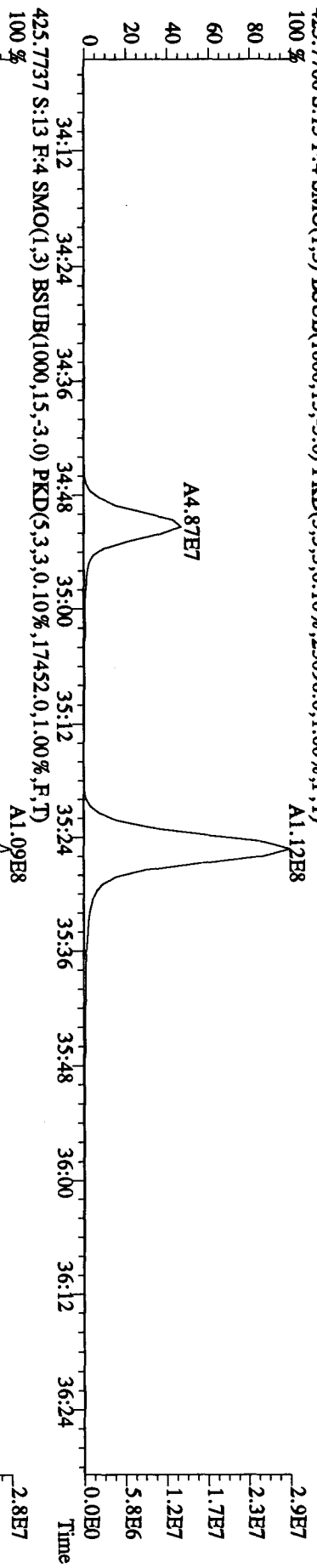
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Manual Edit Codes
 Analyst AW Date 4/29/10

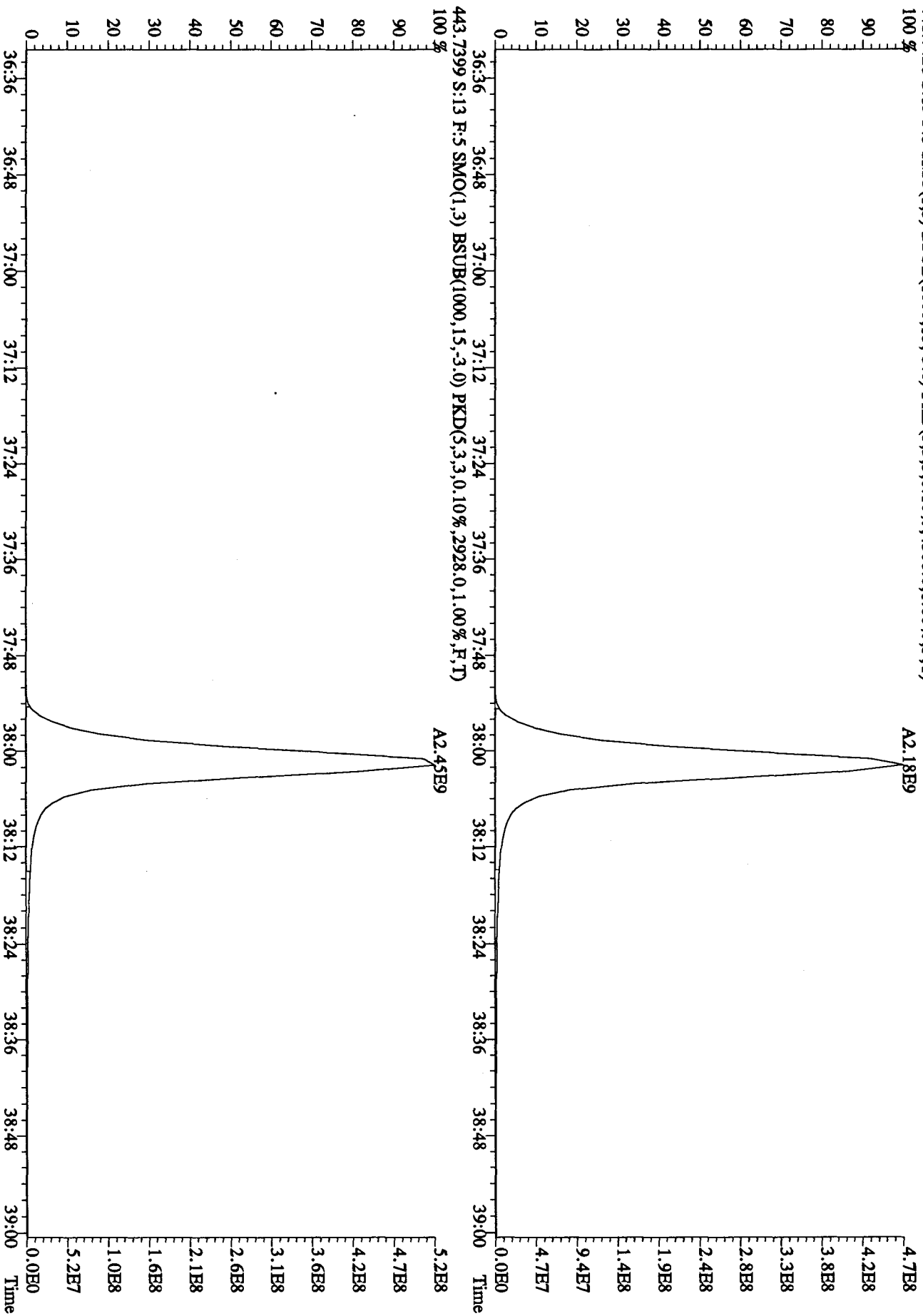
File: 27AP104D5 #1-198 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LXXLV-1-AD :GOD140422-11 Exp: DIOXINRES8290A
 407.7818 S:13 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,268552.0,1.00%,F,T)



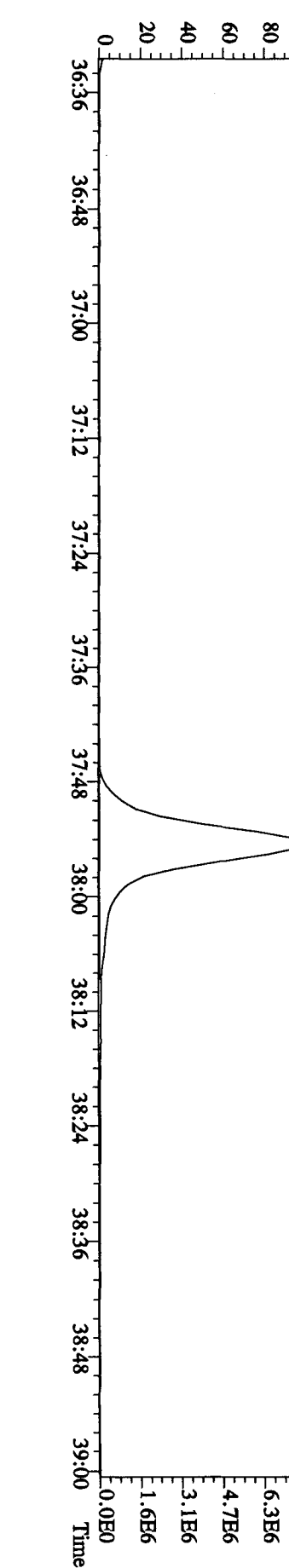
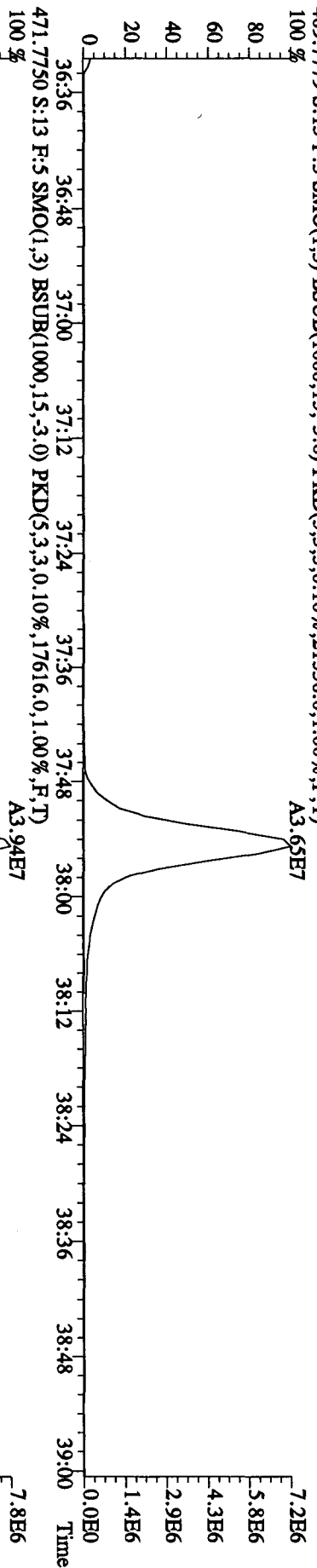
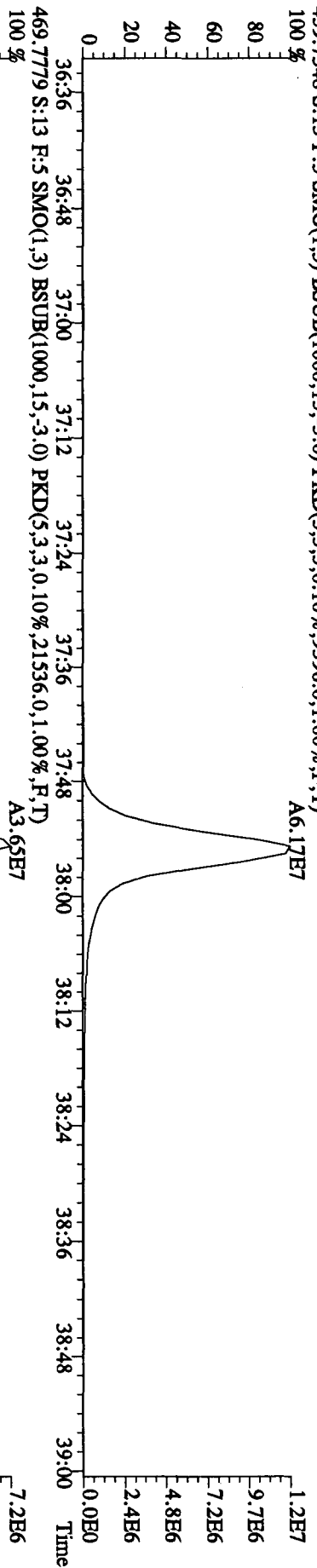
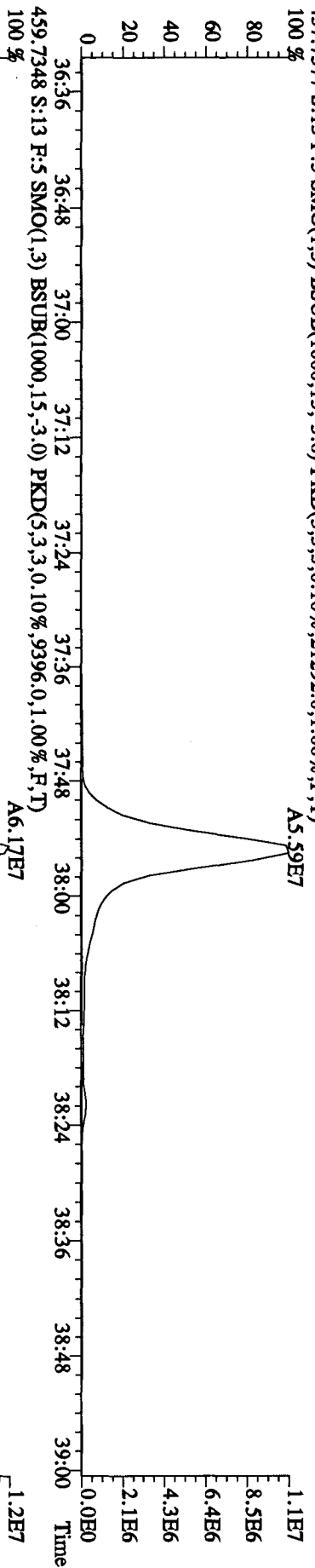
File: 27AP104D5 #1-198 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#13 Text: LXXLV-1-AD :GOD140422-11 Exp: DIOXINRES8290A
 423.7766 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25096.0,1.00%,F,T)

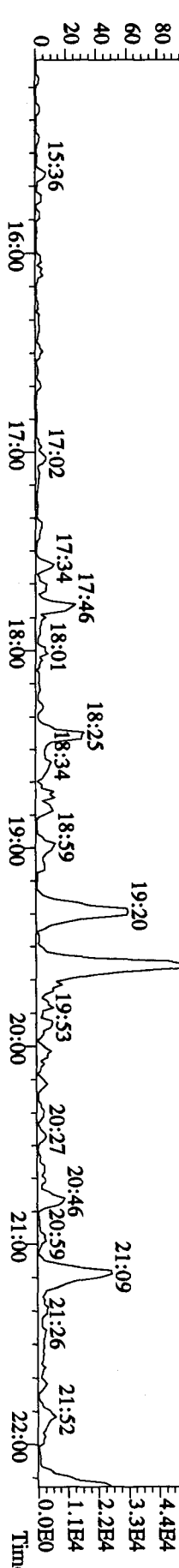
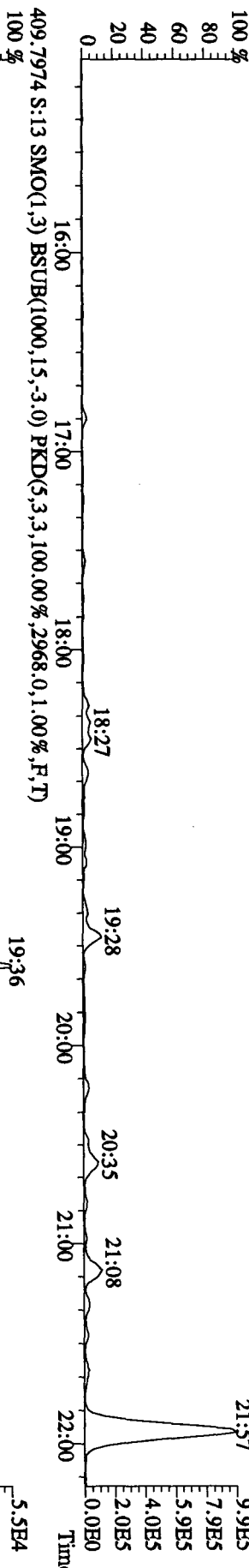
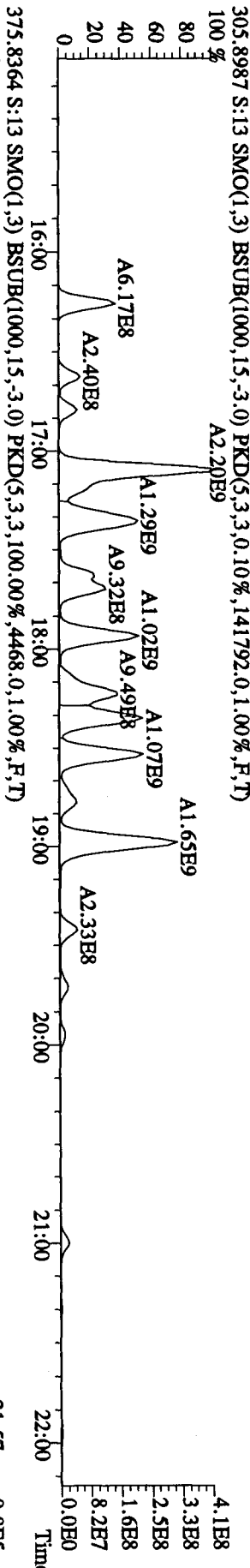
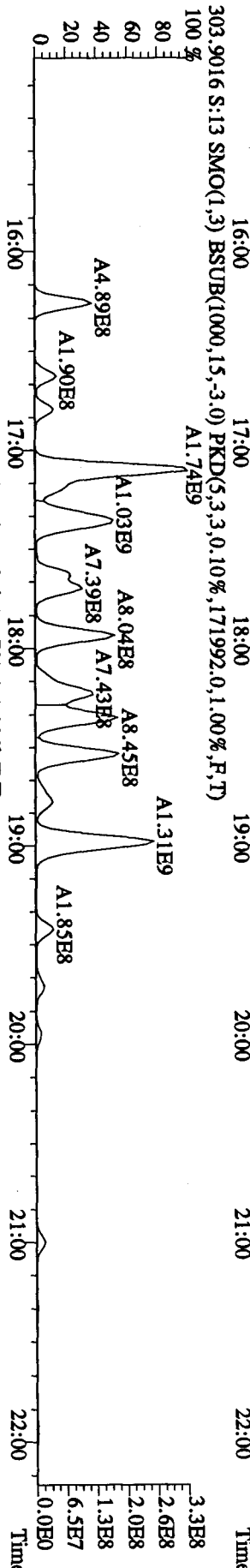
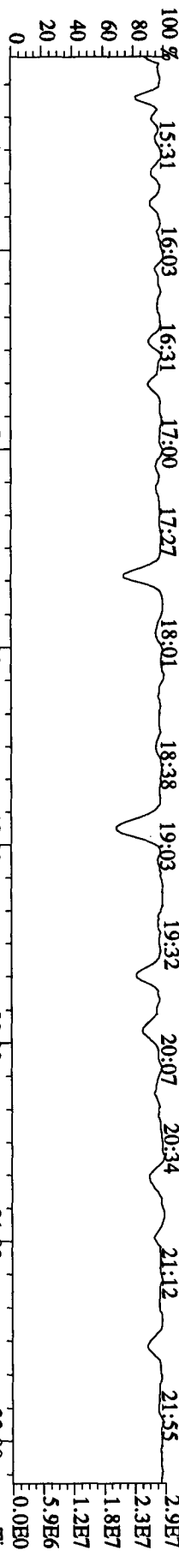


File:27API04D5 #1-190 Acq:27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-UtimaE
Sample#13 Text:LXXLV-1-AD :GOD140422-11 Exp:DIOXINRES8290A
441.7428 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4508,0,1.00%,F,T)
100%

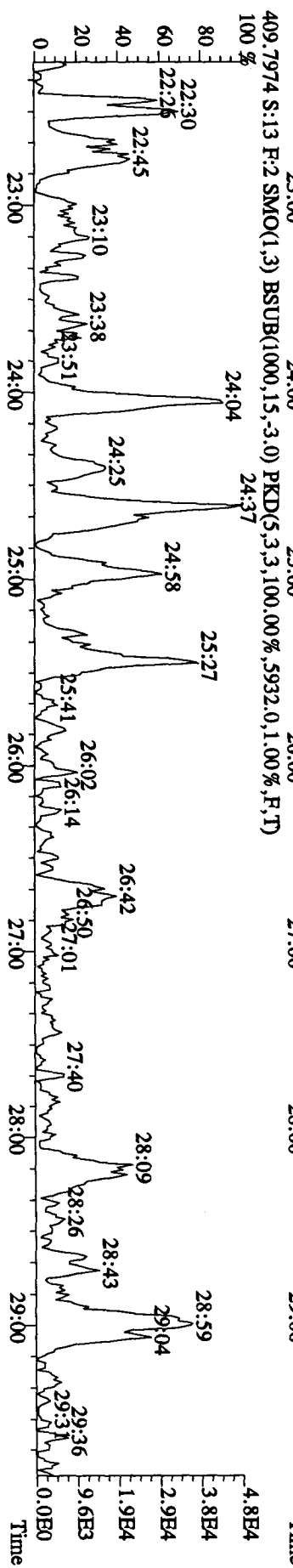
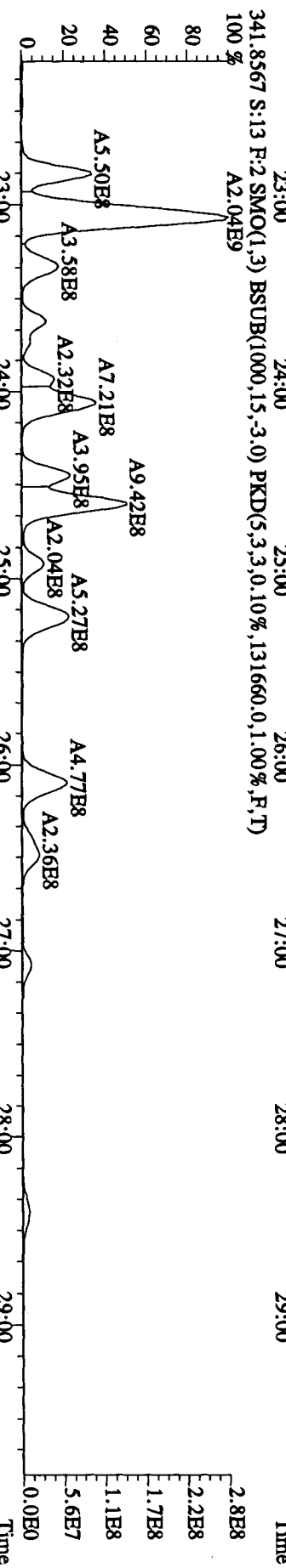
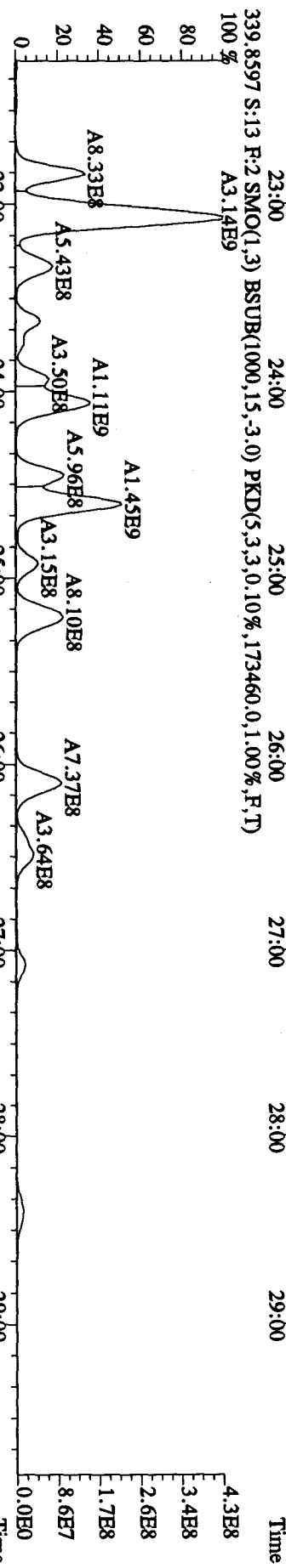
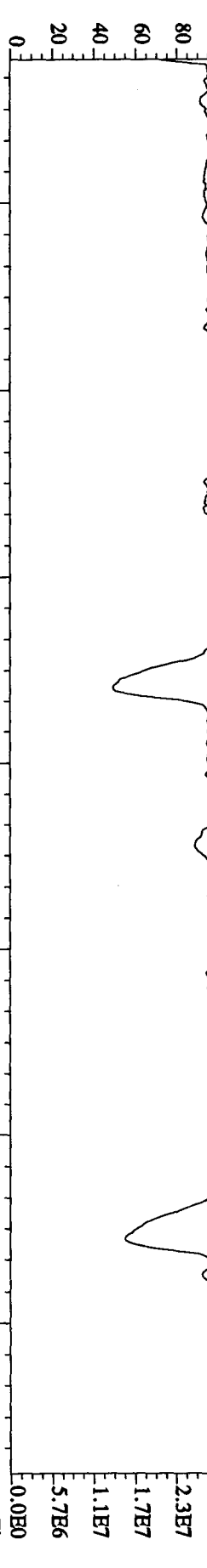


File: 27AP104D5 #1-190 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#13 Text: LXXLV-1-AD :GOD140422-11 Exp: DIOXINRES8290A
 457.7377 S:13 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,21292.0,1.00%,F,T)



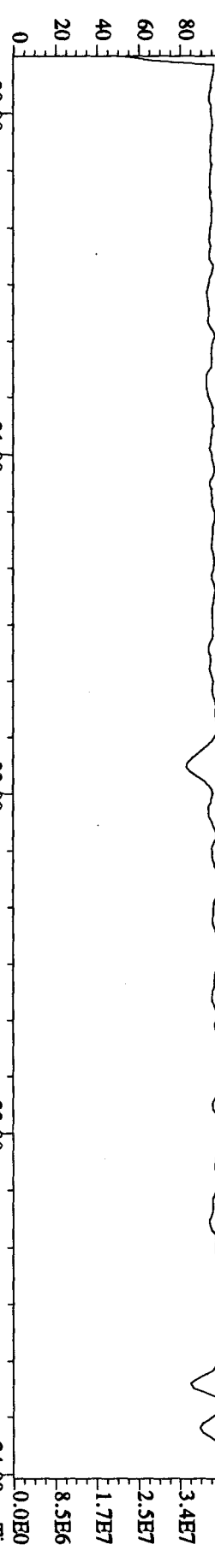


File: 27AP104D5 #1-604 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LXXLY-1-AD :G0D140422-11 Exp: DIOXINRESS8290A
 354.9792 S:13 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 22:37 23:09 23:51 24:22 24:59 25:45 26:12 26:36 27:02 27:34 28:00 28:43 29:09 29:36

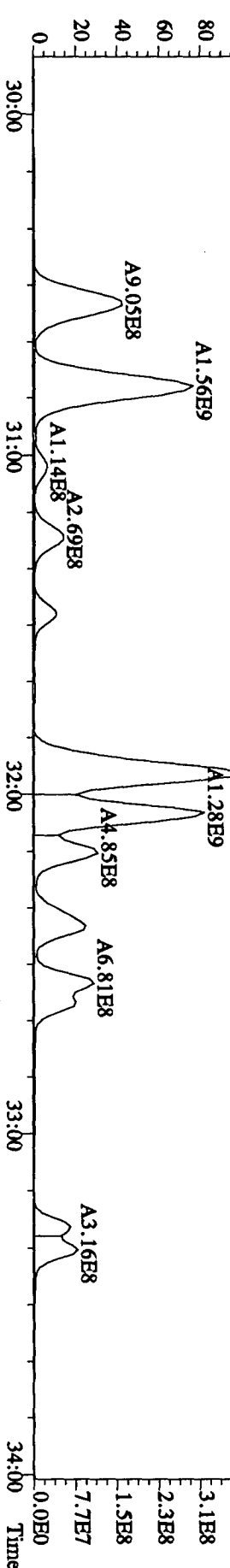


File: 27AP104D5 #1-317 Acq: 27-APR-2010 20:41:42 GC EI + Voltage SIR Autospec-UltimaB
 Sample#13 Text: LXXLV-1-AD :GOD140422-11 Exp: DIOXINRES8290A

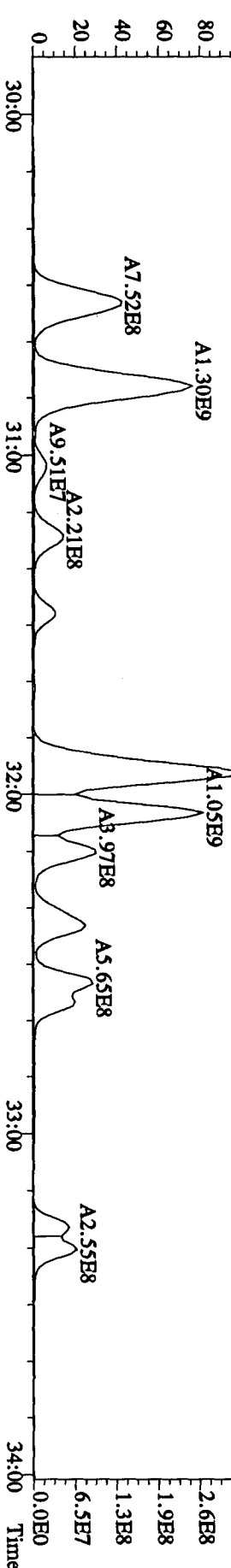
430.9728 S:13 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 30:03 30:27 30:39 31:11 31:24



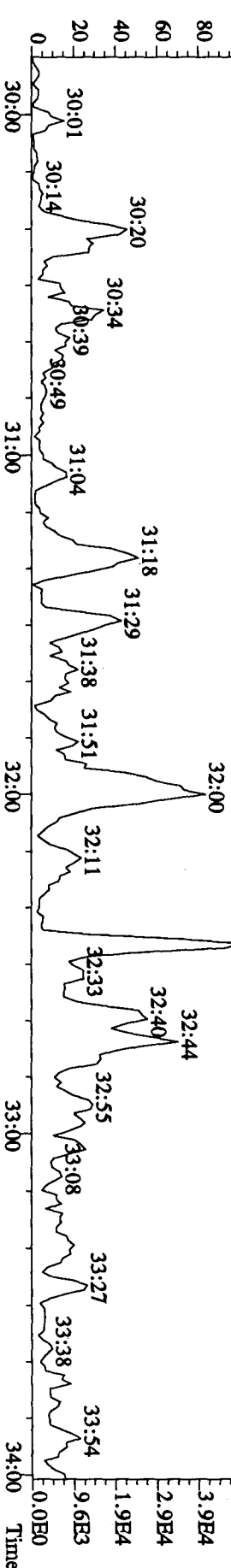
373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2193184,0,1.00%,F,T)
 100% 30:00 31:00 32:00 33:00 34:00

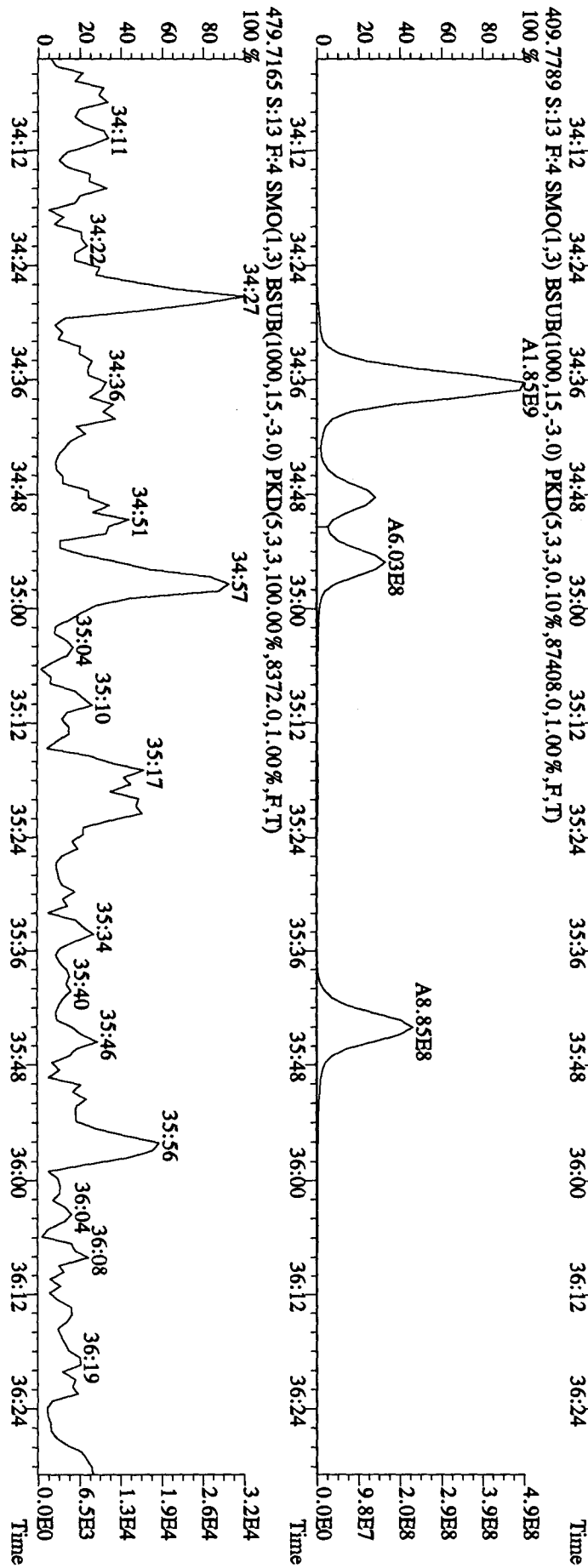
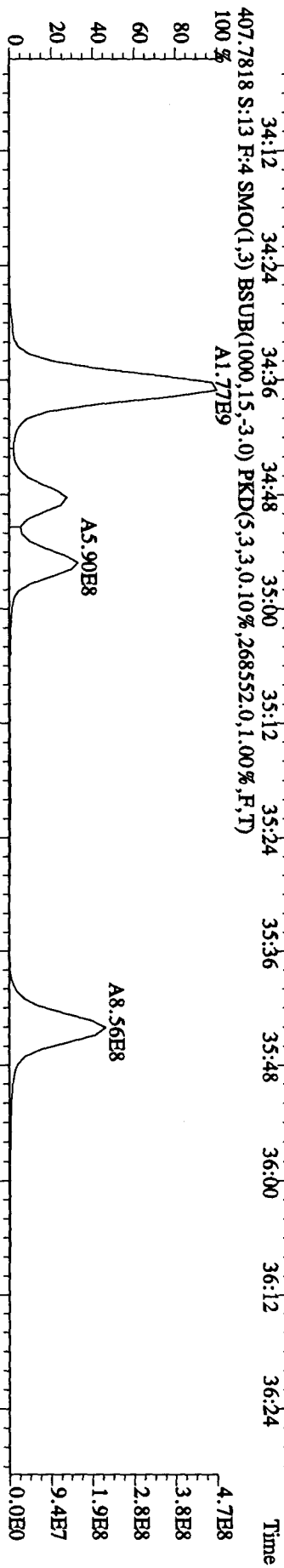
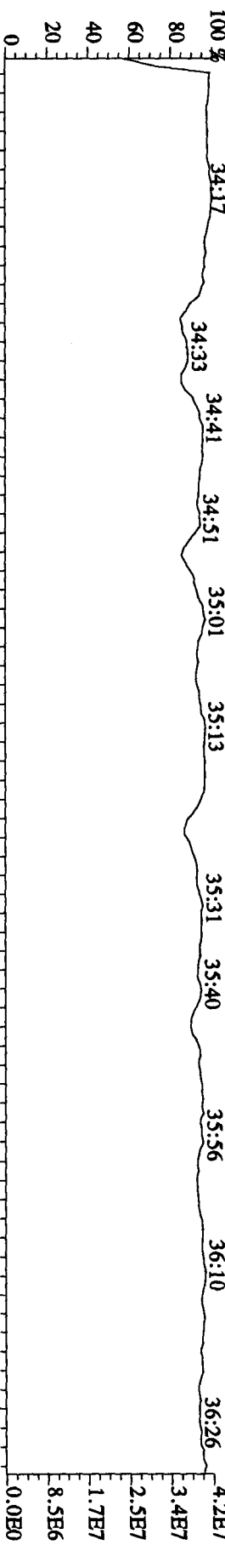


375.8178 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740884,0,1.00%,F,T)
 100% 30:00 31:00 32:00 33:00 34:00

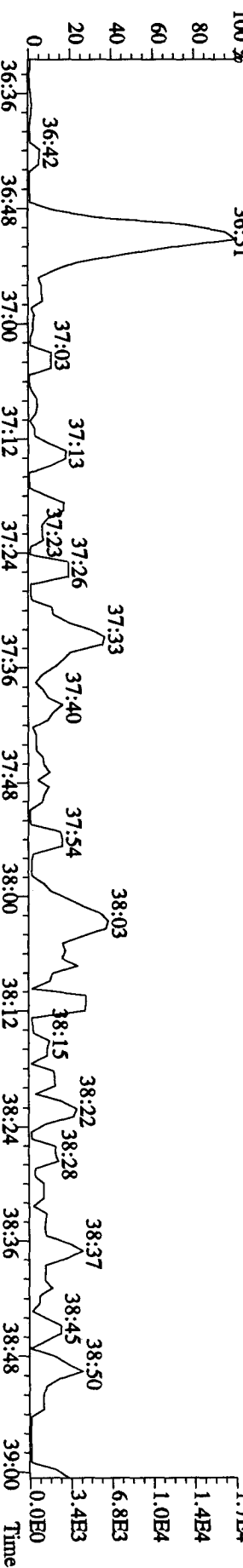
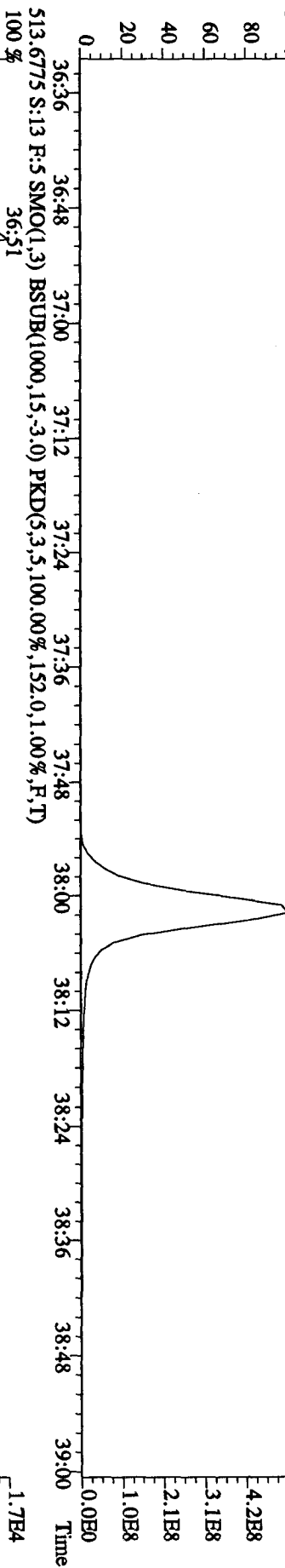
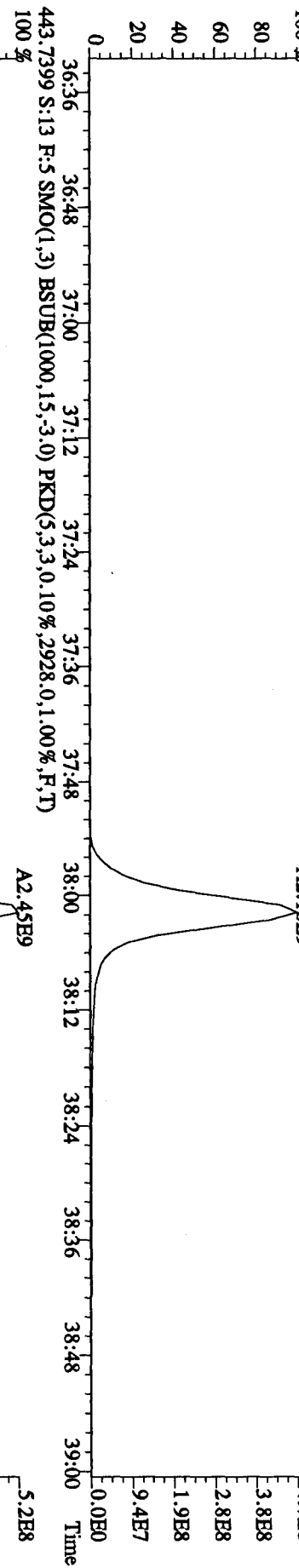
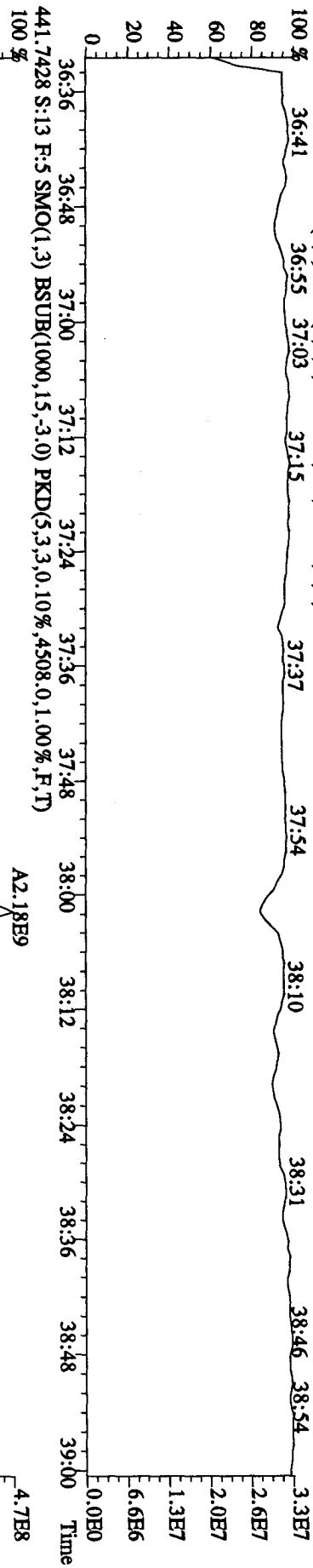


445.7555 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,6488,0,1.00%,F,T)
 100% 30:00 31:00 32:00 33:00 34:00





File: 27AP104D5 #1-190 Acq: 27-APR-2010 20:41:42 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 Text: LXXIV-1-AD :GOD140422-11 Exp: DIOXINRES8290A
 442.9728 S:13 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 441.7428 S:13 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)

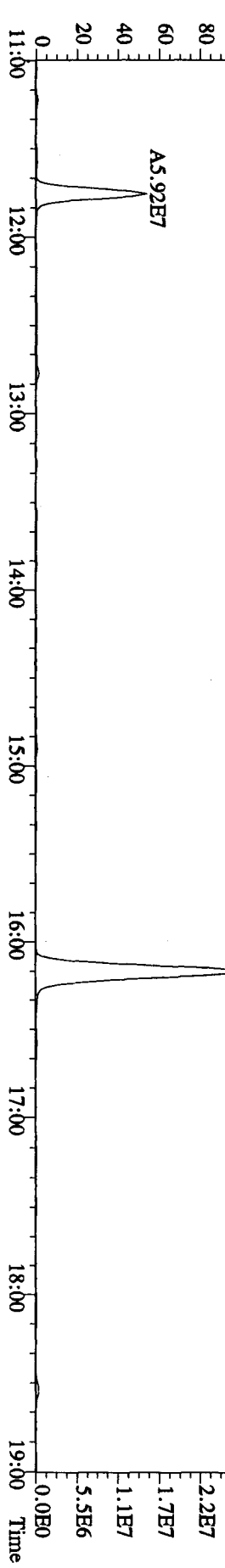
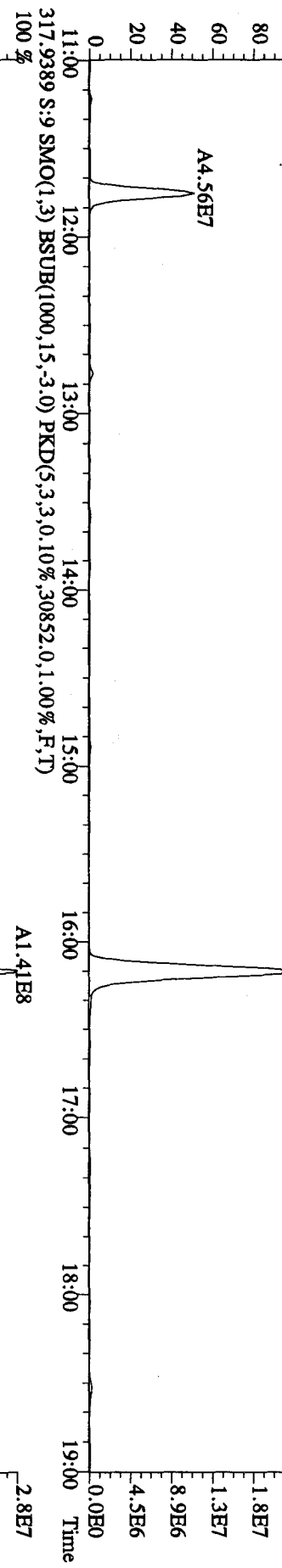
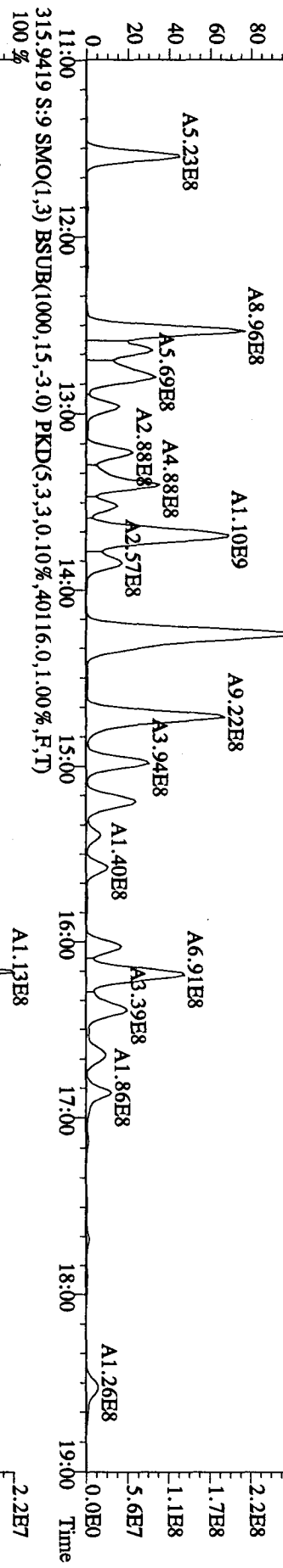
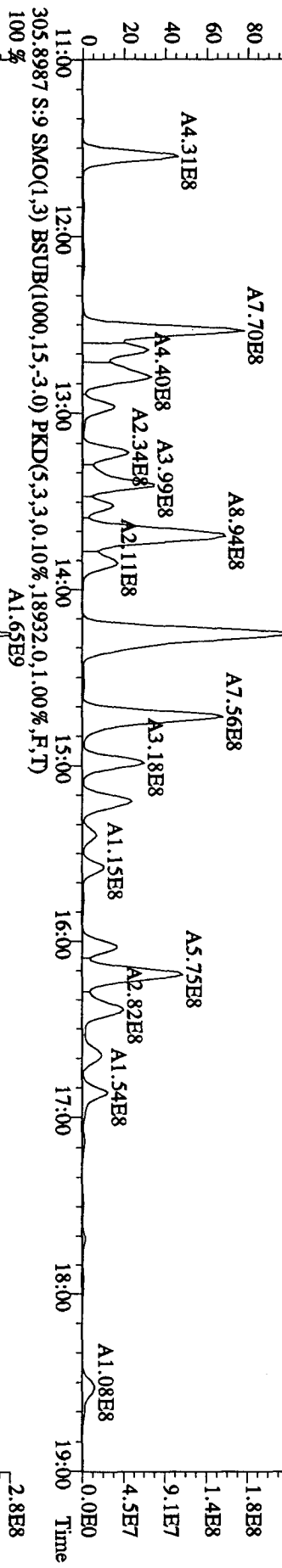


Run text: LXXLV-1-AD Sample text: LXXLV-1-AD :GOD140422-11
 Run #14 Filename: 28AP105D2 S: 9 I: 1 Results:
 Acquired: 28-APR-10 14:29:48 Processed: 28-APR-10 16:11:41
 Run: 21AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.04007g

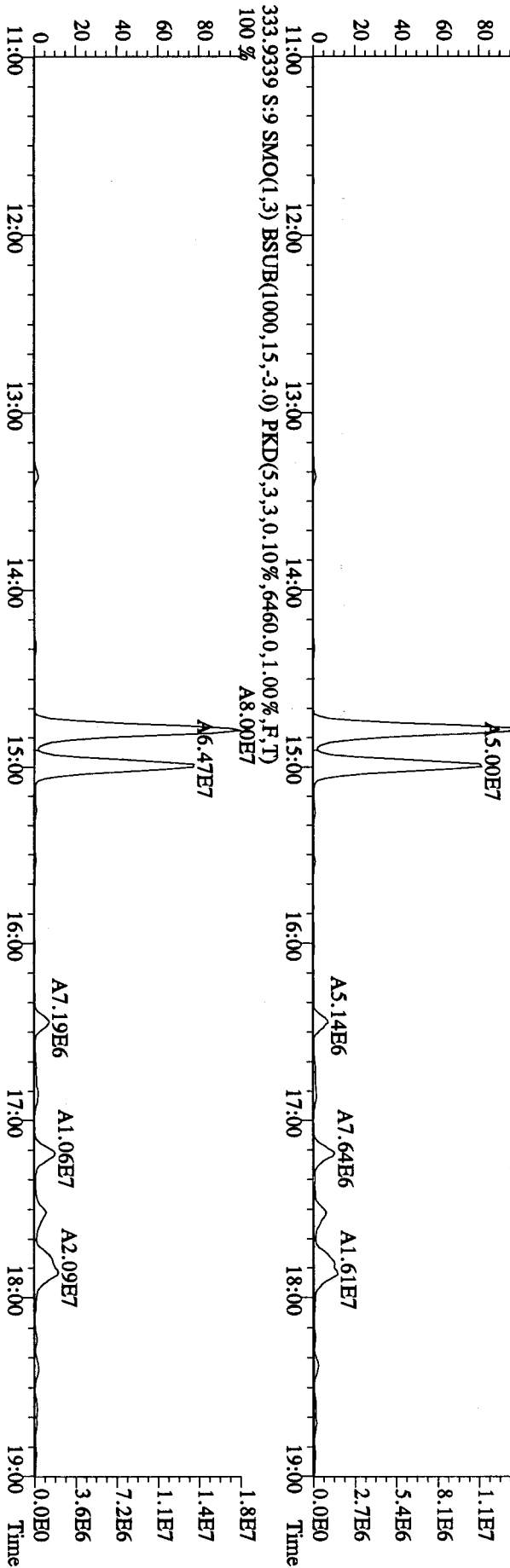
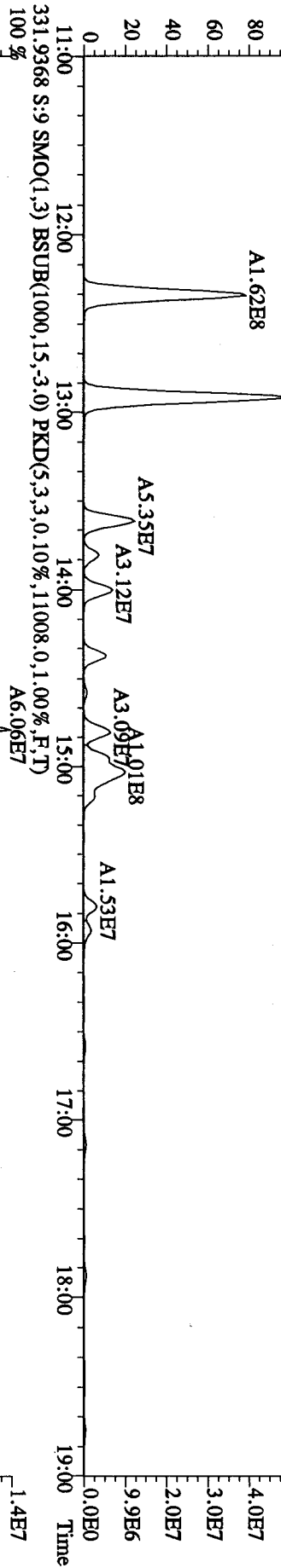
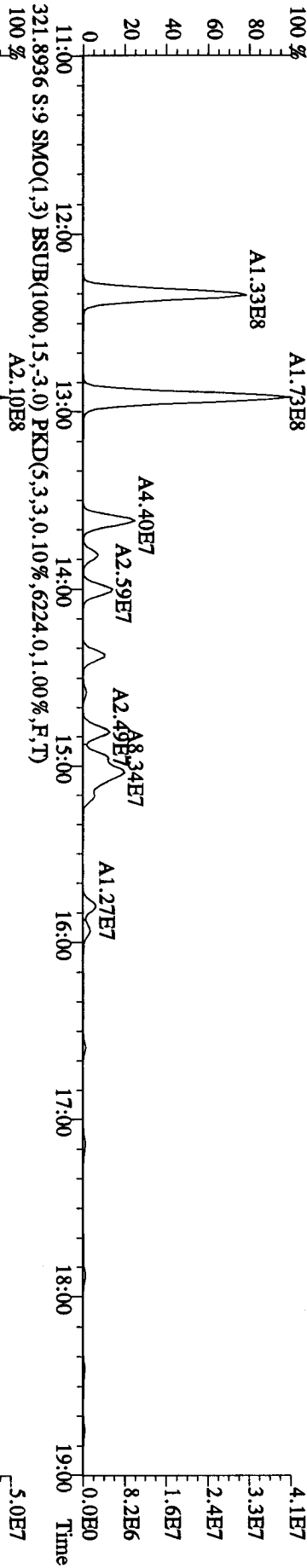
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	114714924	0.77 y	14:60	-	11.49	-	-	n
13C-2,3,7,8-TCDF	254301120	0.80 y	16:11	2.11	104.83	0.40	52.6	n
2,3,7,8-TCDF	1266493888	0.83 y	16:11	1.09	911.47 E	0.45	-	n
13C-2,3,7,8-TCDD	140615600	0.76 y	14:48	0.95	128.72	0.22	64.6	n
2,3,7,8-TCDD	55792118	0.81 y	14:48	1.36	58.23	0.20	-	n
37Cl-2,3,7,8-TCDD	142138864	1.00 y	14:48	2.28	54.17	0.42	68.0	n

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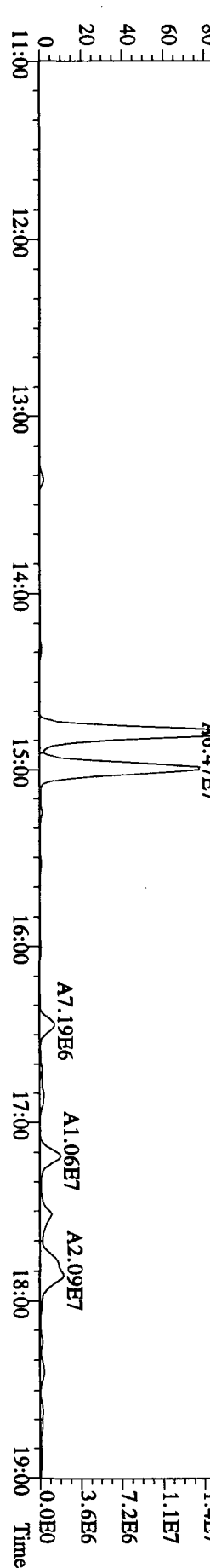
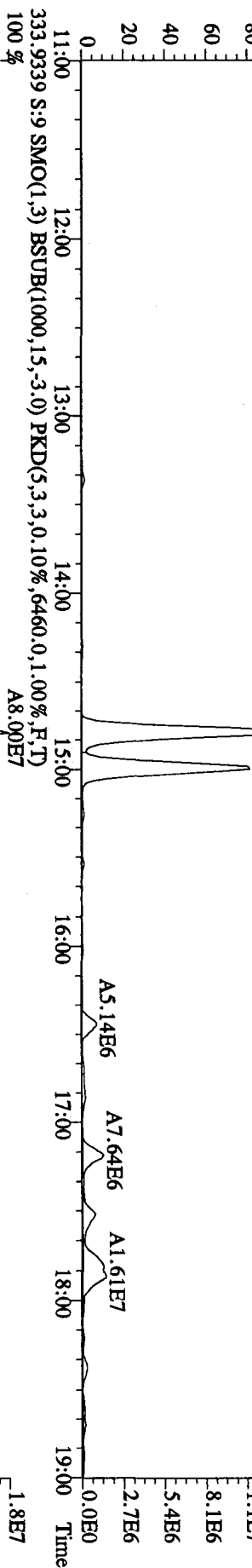
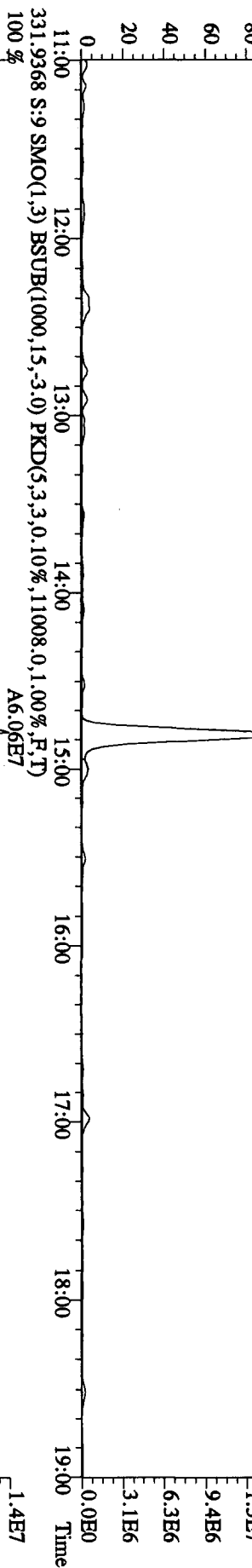
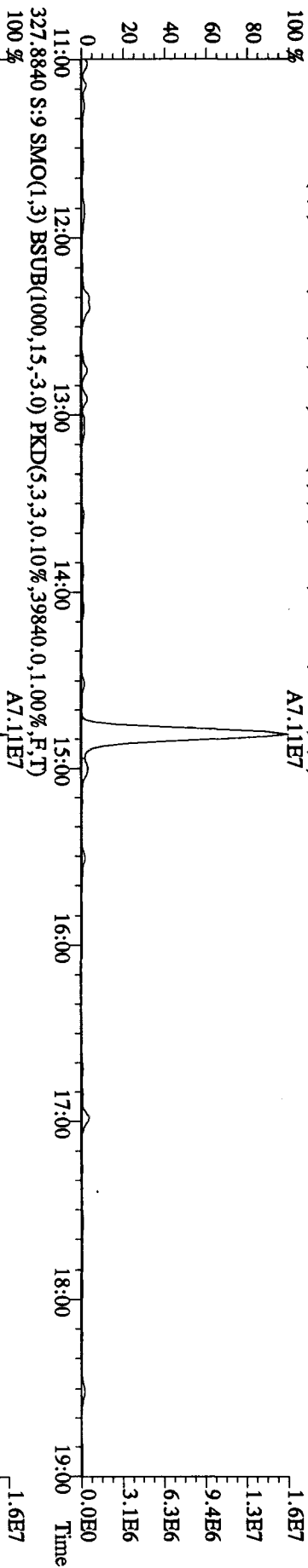
File:28AP105D2 #1-1242 Acq:28-APR-2010 14:29:48 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXXLV-1-AD :G0D140422-11 Exp:DB225RES
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22424.0,1.00%,F,T) A1.34E9



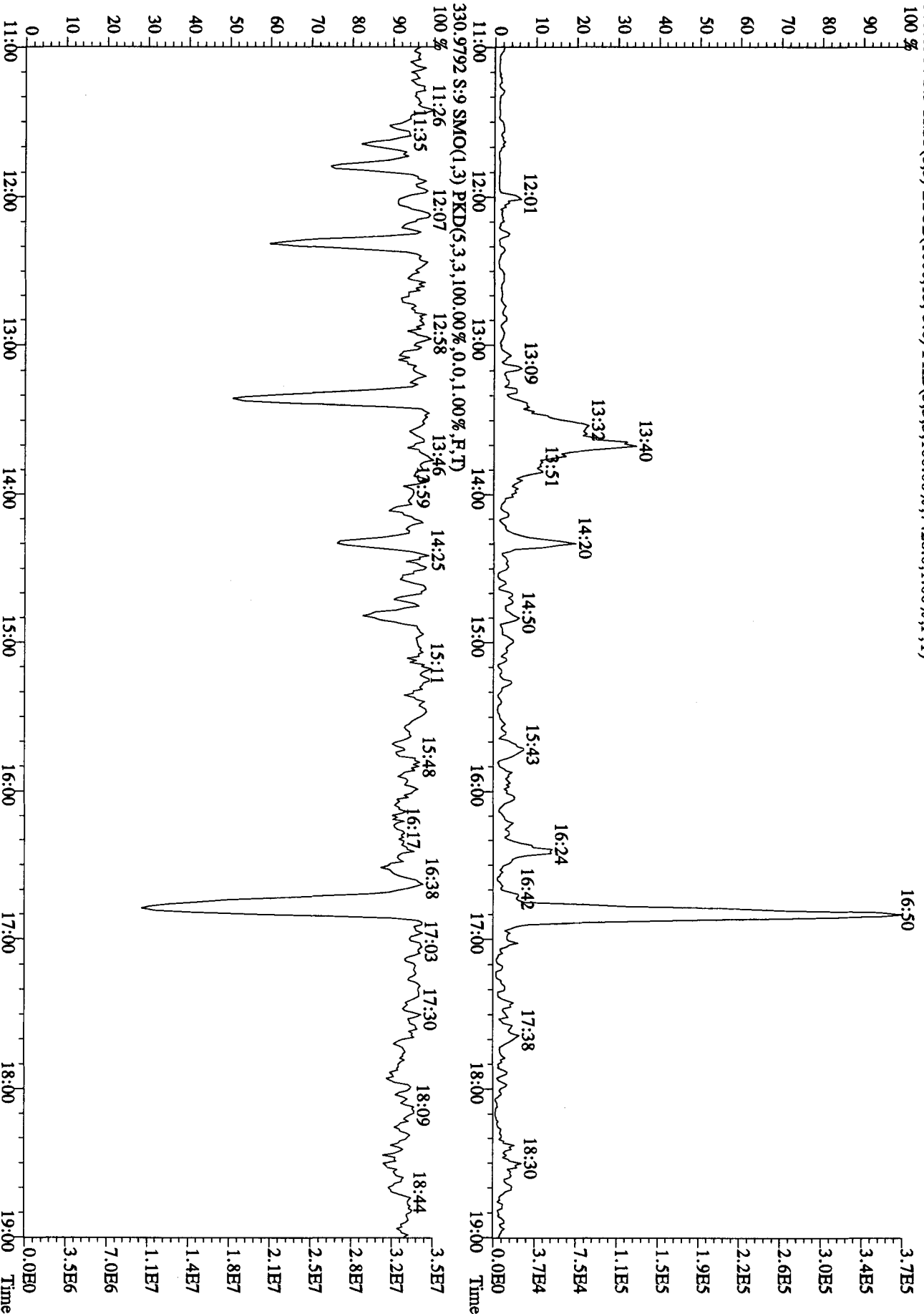
File: 28AP105D2 #1-1242 Acq: 28-APR-2010 14:29:48 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LXXLY-1-AD :G0D140422-11 Exp: DB225RES
 319.8965 S:9 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,8040.0,1.00%,F,T)
 100%



File:28AP105D2 #1-1242 Acq:28-APR-2010 14:29:48 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXXLV-1-AD :G0D140422-11 Exp:DB225RES
 327,8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39840.0,1.00%,F,T) A7.11E7
 100 %



File: 28AP105D2 #1-1242 Acq: 28-APR-2010 14:29:48 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LXXIV-1-AD :G0D140422-11 Exp: DB225RES
 375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7428.0,1.00%,F,T)
 100%



9.82/49.1/98.2

Run text: LXTAR-1-AC Sample text: LXTAR-1-AC :G0D100464-1 [20X]
 Run #12 Filename: 30AP104D5 S: 7 I: 1 Results: 30AP104D58290ASY
 Acquired: 30-APR-10 12:42:33 Processed: 30-APR-10 13:58:14
 Run: 30AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.18 g

30 05/03/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	3745050	0.81 y	19:29	-	0.277	-	-	n
13C-2,3,7,8-TCDF	7821830	0.83 y	18:55	1.52	134.911	2.571	68.7	n
2,3,7,8-TCDF	111314000	0.78 y	18:57	0.95	2957.647	5.455	-	n
Total TCDF	767027702	0.94 n	15:42	0.95	20380.161	5.455	-	n
13C-2,3,7,8-TCDD	5605320	0.69 y	19:41	0.95	154.815	2.947	78.8	n
2,3,7,8-TCDD	1271848	0.75 y	19:42	1.02	43.660	1.776	-	n
Total TCDD	43124375	0.76 y	17:14	1.02	1480.372	1.776	-	n
37Cl-2,3,7,8-TCDD	5819460	1.00 y	19:42	2.26	67.502	1.775	85.9	n
13C-1,2,3,7,8-PeCDF	5042480	1.56 y	24:33	1.05	125.926	1.469	64.1	n
1,2,3,7,8-PeCDF	68583100	1.51 y	24:34	1.04	2557.642	12.872	-	n
2,3,4,7,8-PeCDF	36122500	1.56 y	26:05	0.98	1432.973	13.693	-	n
Total F2 PeCDF	560229507	1.33 y	22:25	1.01	21503.003	13.270	-	n
Total F1 PeCDF	88881399	1.50 y	20:20	1.01	3417.001	2.350	-	n
13C-1,2,3,7,8-PeCDD	3810830	1.50 y	26:52	0.67	149.086	0.067	75.9	n
1,2,3,7,8-PeCDD	2923100	1.45 y	26:53	0.98	153.472	5.105	-	n
Total PeCDD	32944326	1.48 y	23:14	0.98	1729.879	5.105	-	n
13C-1,2,3,7,8,9-HxCDD	2495170	1.32 y	33:05	-	0.239	-	-	y
13C-1,2,3,4,7,8-HxCDF	3378190	0.50 y	31:55	1.02	129.769	4.982	66.1	n
1,2,3,4,7,8-HxCDF	124238100	1.21 y	31:55	1.21	5958.388	92.848	-	n
1,2,3,6,7,8-HxCDF	79079400	1.23 y	32:02	1.34	3424.948	83.847	-	n
2,3,4,6,7,8-HxCDF	15392990	1.30 y	32:37	1.22	732.407	92.114	-	y
1,2,3,7,8,9-HxCDF	11491070	1.22 y	33:16	1.09	611.718	103.060	-	y
Total HxCDF	487763420	1.21 y	30:32	1.22	23030.084	92.473	-	y
13C-1,2,3,6,7,8-HxCDD	2684970	1.28 y	32:49	0.81	130.973	1.612	66.7	y
1,2,3,4,7,8-HxCDD	1647843	1.17 y	32:45	1.01	119.766	5.415	-	y
1,2,3,6,7,8-HxCDD	3674230	1.26 y	32:50	1.11	241.356	4.894	-	y
1,2,3,7,8,9-HxCDD	3516950	1.26 y	33:06	1.21	212.849	4.509	-	y
Total HxCDD	24746726	1.25 y	31:22	1.11	1622.710	4.912	-	y
13C-1,2,3,4,6,7,8-HpCDF	1714785	0.43 y	34:35	0.86	78.263	3.289	39.8	y
1,2,3,4,6,7,8-HpCDF	134429500	0.94 y	34:36	1.31	11759.864	49.049	-	n
1,2,3,4,7,8,9-HpCDF	56341100	0.96 y	35:44	1.03	6293.690	62.633	-	n
Total HpCDF	259204100	0.94 y	34:36	1.17	24768.247	55.015	-	n
13C-1,2,3,4,6,7,8-HpCDD	1534397	0.99 y	35:24	0.70	86.606	3.270	44.1	n
1,2,3,4,6,7,8-HpCDD	7032800	1.01 y	35:24	1.07	840.112	9.405	-	n
Total HpCDD	9684570	0.99 y	34:51	1.07	1156.883	9.405	-	n
13C-OCDD	1288472	0.94 y	37:54	0.53	95.459	1.306	24.3	n
OCDF	149664900	0.89 y	38:01	1.45	31577.875	5.474	-	n

See 17B225

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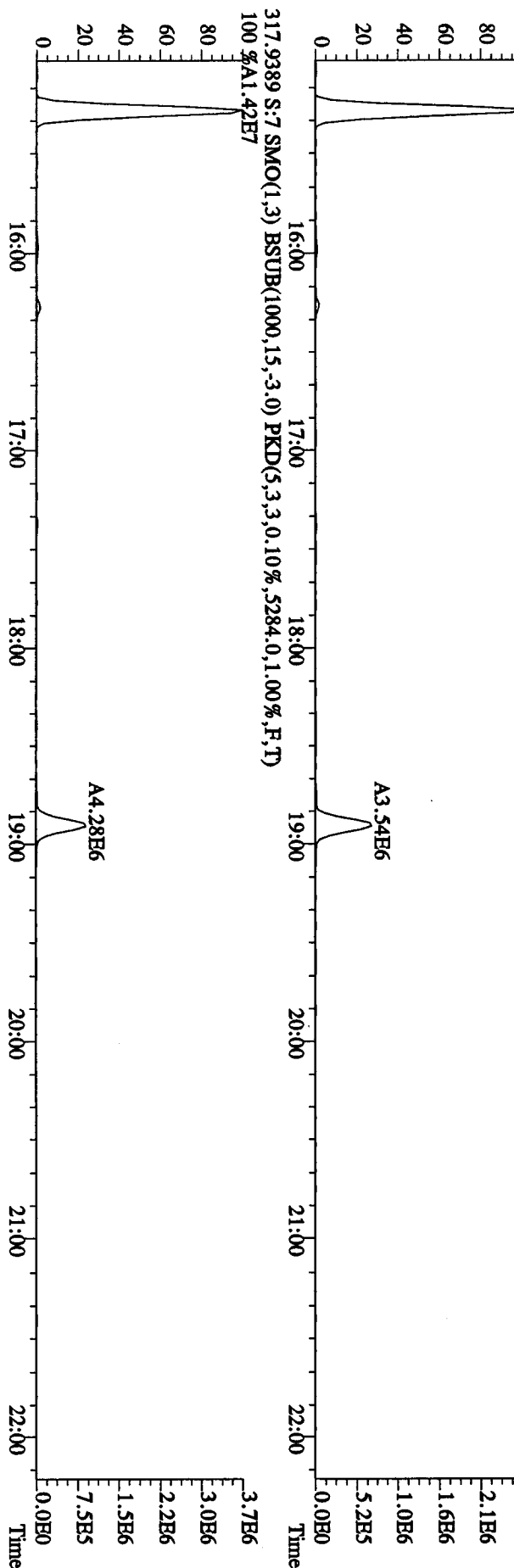
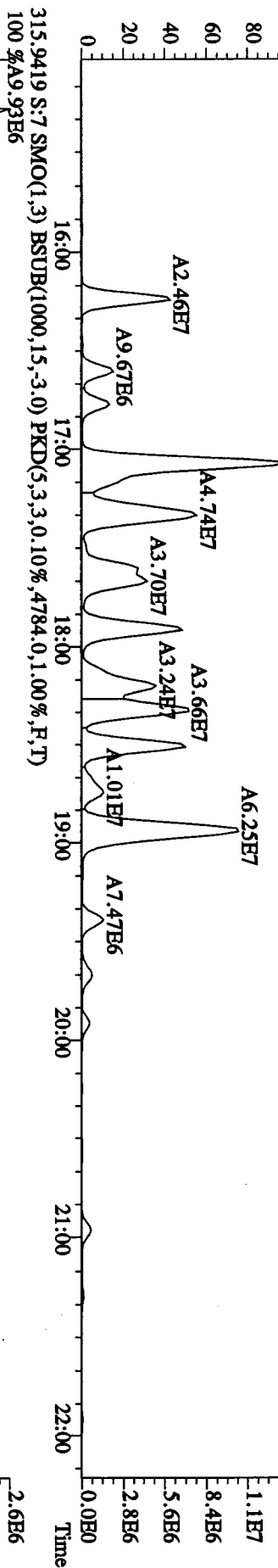
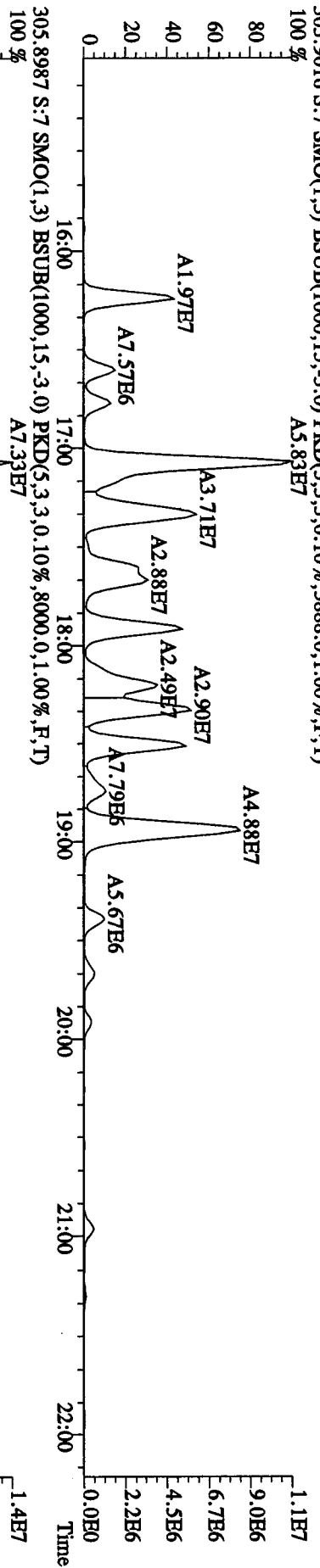
OCDD 4571780 0.93 y 37:55 1.17 1195.448 / 18.764 - n

Run text: LXTAR-1-AC Sample text: LXTAR-1-AC :G0D100464-1 [20X]
 Run #12 Filename: 30AP104D5 S: 7 I: 1 Results: 30AP104D58290A
 Acquired: 30-APR-10 12:42:33 Processed: 30-APR-10 13:58:14
 Run: 30AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.18007g

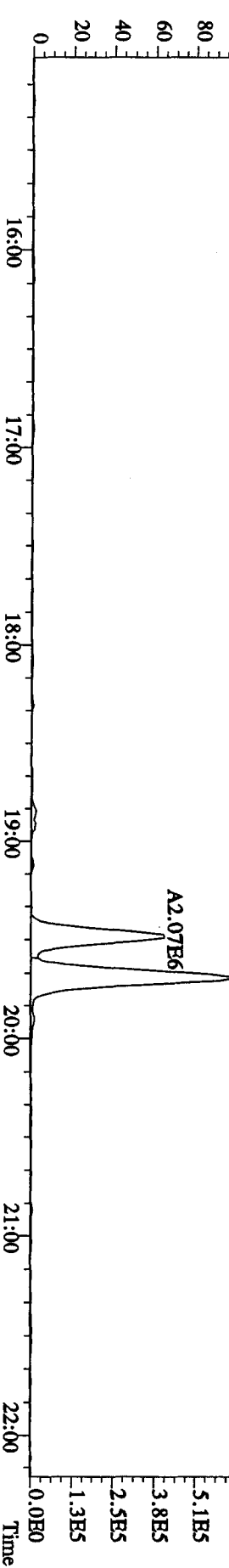
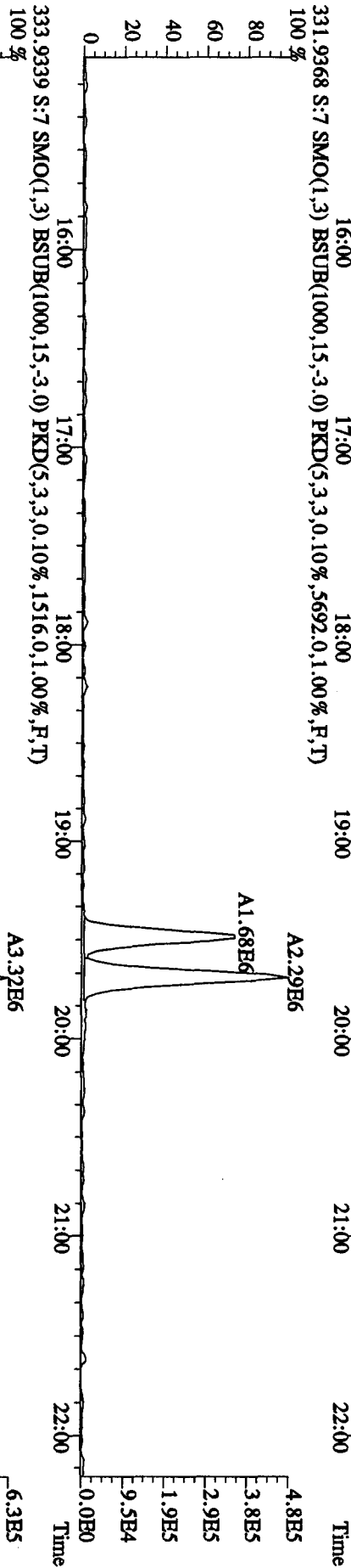
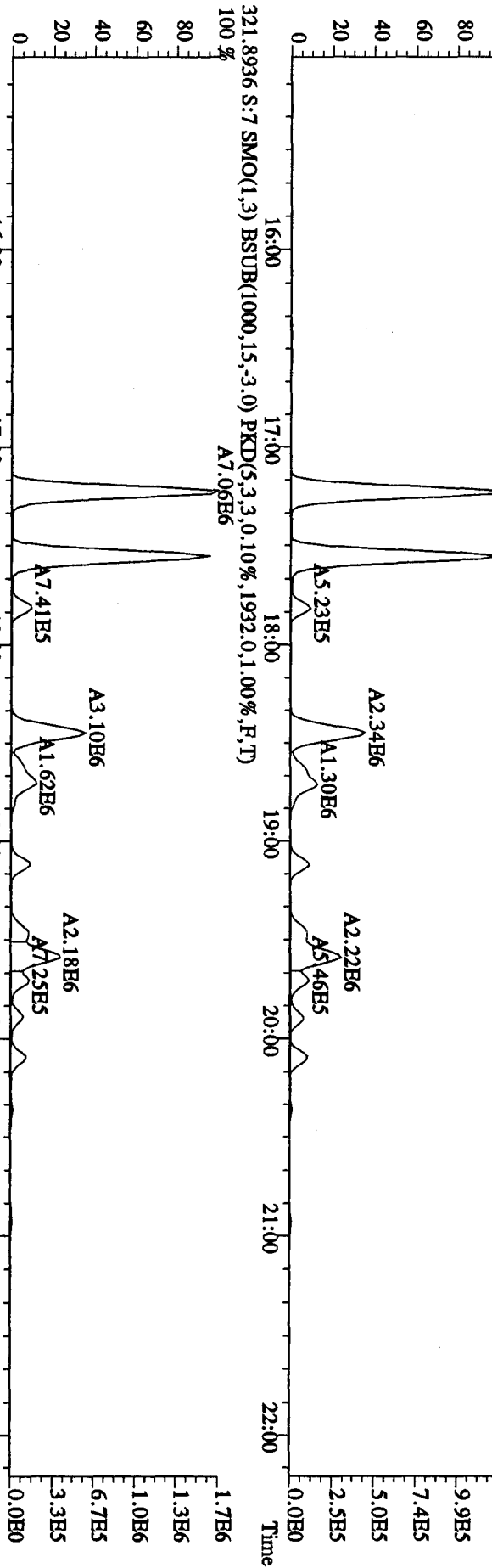
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	3745051	0.81 y	19:29	-	0.28	-	-	n
13C-2,3,7,8-TCDF	7821835	0.83 y	18:55	1.52	134.91	2.57	68.7	n
2,3,7,8-TCDF	111313944	0.78 y	18:57	0.95	2957.64	5.45	-	n
Total TCDF	767027455	0.94 n	15:42	0.95	20380.14	5.45	-	n
13C-2,3,7,8-TCDD	5605318	0.69 y	19:41	0.95	154.82	2.95	78.8	n
2,3,7,8-TCDD	1271847	0.75 y	19:42	1.02	43.66	1.78	-	n
Total TCDD	43124370	0.76 y	17:14	1.02	1480.37	1.78	-	n
37Cl-2,3,7,8-TCDD	5819465	1.00 y	19:42	2.26	67.50	1.77	85.9	n
13C-1,2,3,7,8-PeCDF	5042487	1.56 y	24:33	1.05	125.93	1.47	64.1	n
1,2,3,7,8-PeCDF	68583116	1.51 y	24:34	1.04	2557.64	12.87	-	n
2,3,4,7,8-PeCDF	36122448	1.56 y	26:05	0.98	1432.97	13.69	-	n
Total F2 PeCDF	560229498	1.33 y	22:25	1.01	21502.97	13.27	-	n
Total F1 PeCDF	88881426	1.50 y	20:20	1.01	3417.00	2.35	-	n
13C-1,2,3,7,8-PeCDD	3810826	1.50 y	26:52	0.67	149.09	0.07	75.9	n
1,2,3,7,8-PeCDD	2923095	1.45 y	26:53	0.98	153.47	5.11	-	n
Total PeCDD	32944332	1.48 y	23:14	0.98	1729.68	5.11	-	n
13C-1,2,3,7,8,9-HxCDD	2528209	1.28 y	33:05	-	0.24	-	-	n
13C-1,2,3,4,7,8-HxCDF	3378185	0.50 y	31:55	1.02	128.07	4.99	65.2	n
1,2,3,4,7,8-HxCDF	124238084	1.21 y	31:55	1.21	5958.40	92.85	-	n
1,2,3,6,7,8-HxCDF	79079464	1.23 y	32:02	1.34	3424.96	83.85	-	n
2,3,4,6,7,8-HxCDF	39621358	1.24 y	32:33	1.22	1885.21	92.11	-	n
1,2,3,7,8,9-HxCDF	26636428	1.21 y	33:19	1.09	1417.97	103.06	-	n
Total HxCDF	527137248	1.21 y	30:32	1.22	24989.18	92.47	-	n
13C-1,2,3,6,7,8-HxCDD	2684614	1.28 y	32:49	0.81	129.24	1.62	65.8	n
1,2,3,4,7,8-HxCDD	*	* n	Not Fnd	1.01	*	5.42	-	n
1,2,3,6,7,8-HxCDD	3700686	0.86 n	32:50	1.11	243.13	4.90	-	n
1,2,3,7,8,9-HxCDD	3540163	1.24 y	33:06	1.21	214.28	4.51	-	n
Total HxCDD	23148555	1.25 y	31:22	1.11	1506.29	4.91	-	n
13C-1,2,3,4,6,7,8-HpCDF	1677389	0.44 y	34:35	0.86	75.56	3.30	38.5	n
1,2,3,4,6,7,8-HpCDF	134429588	0.94 y	34:36	1.31	12022.05	49.44	-	n
1,2,3,4,7,8,9-HpCDF	56341102	0.96 y	35:44	1.03	6434.00	63.13	-	n
Total HpCDF	259204172	0.94 y	34:36	1.17	25320.43	55.45	-	n
13C-1,2,3,4,6,7,8-HpCDD	1534397	0.99 y	35:24	0.70	85.47	3.28	43.5	n
1,2,3,4,6,7,8-HpCDD	7032795	1.01 y	35:24	1.07	840.11	9.41	-	n
Total HpCDD	9684561	0.99 y	34:51	1.07	1156.88	9.41	-	n
13C-OCDD	1288471	0.94 y	37:54	0.53	94.21	1.31	24.0	n

OCDF	149664888	0.89	y	38:01	1.45	31577.89	5.47	-	n
OCDD	4571773	0.93	y	37:55	1.17	1195.45	18.76	-	n

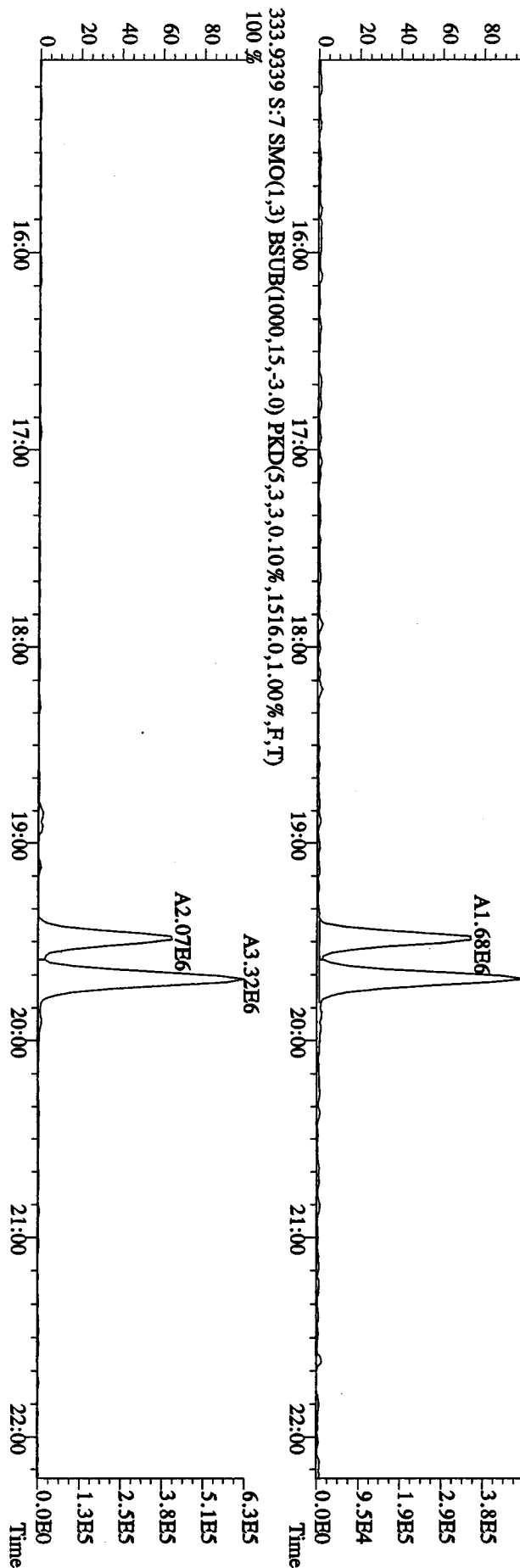
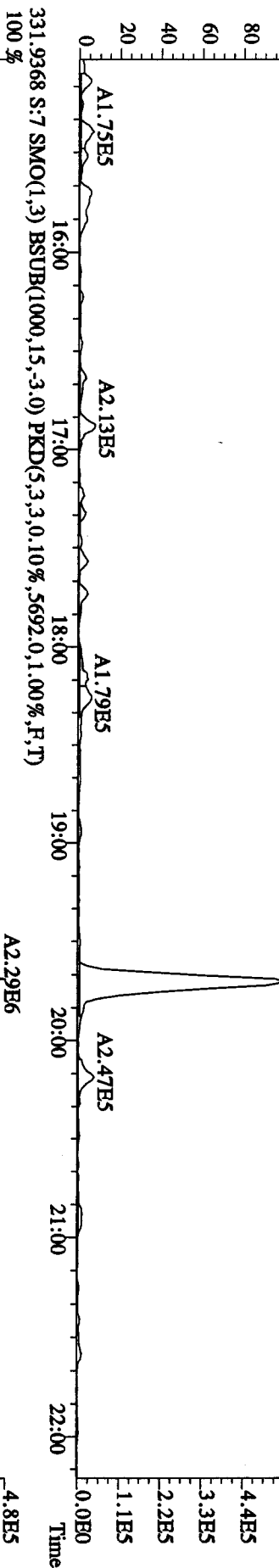
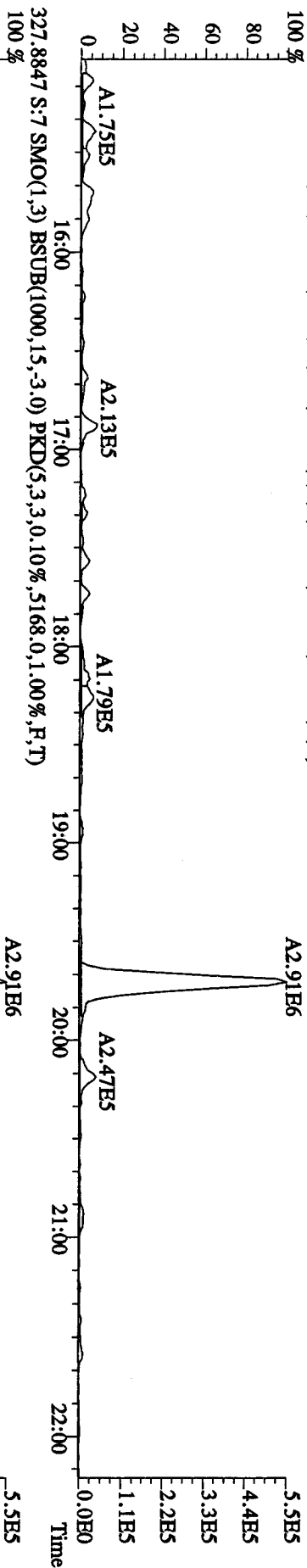
File:30AP104D5 #1-434 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :GOD100464-1 [20X] Exp:DIOXINRES8290A
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5888.0,1.00%,F,T)



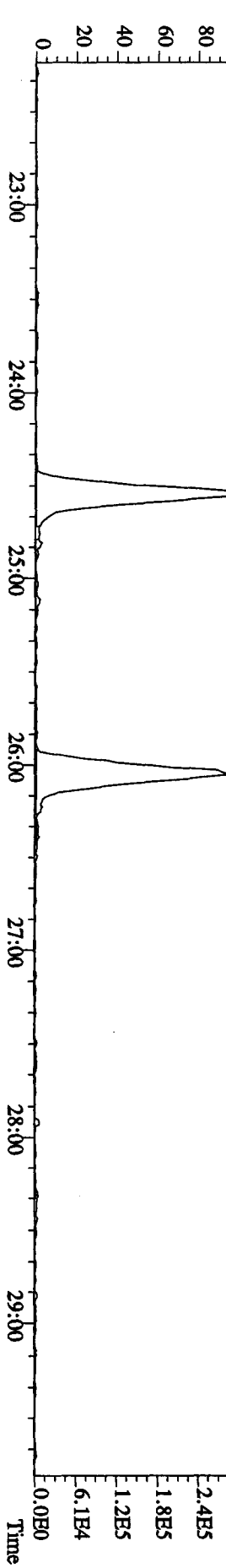
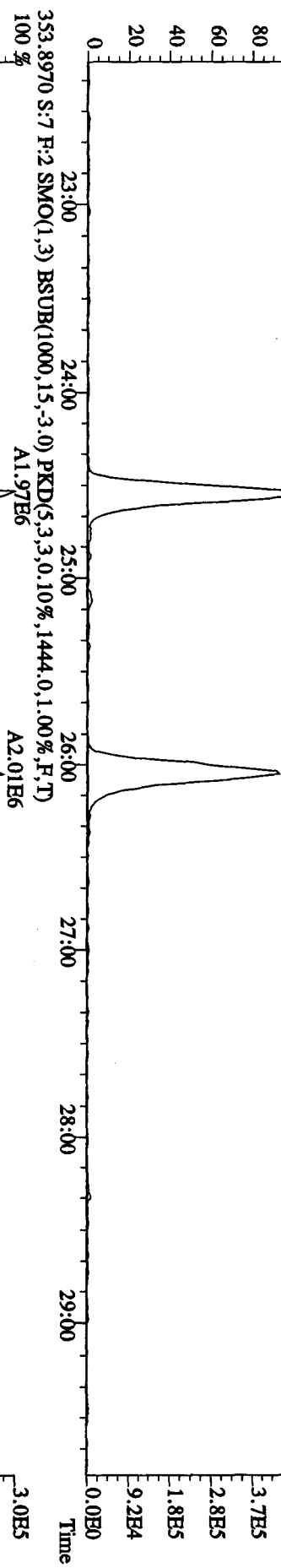
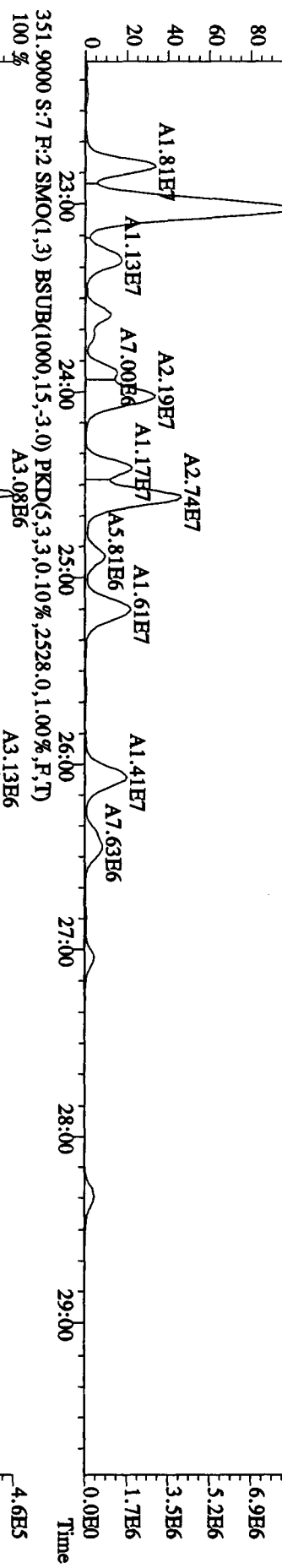
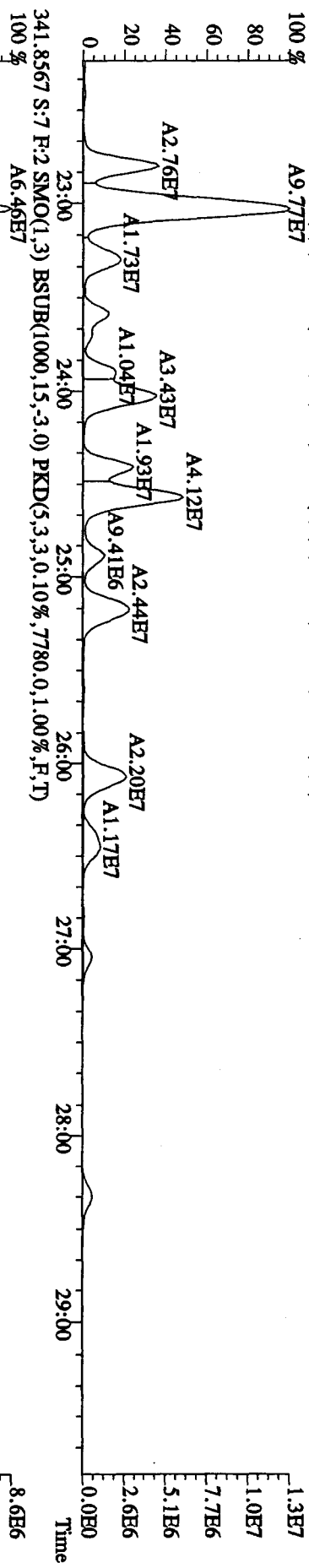
File:30AP104D5 #1-434 Acq:30-APR-2010 12:42:33 GC HI + Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1488,0,1,00%,F,T)
 100%



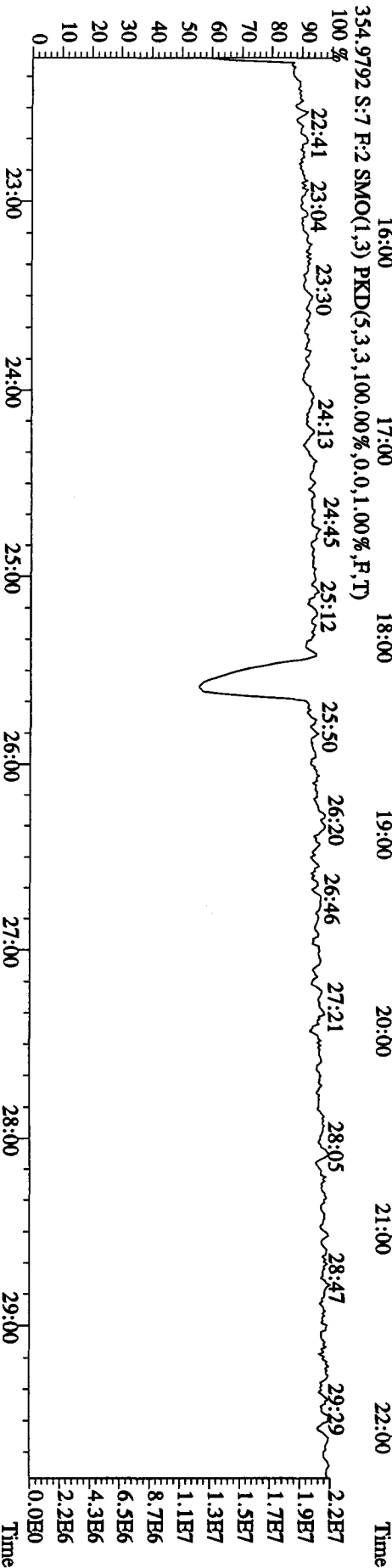
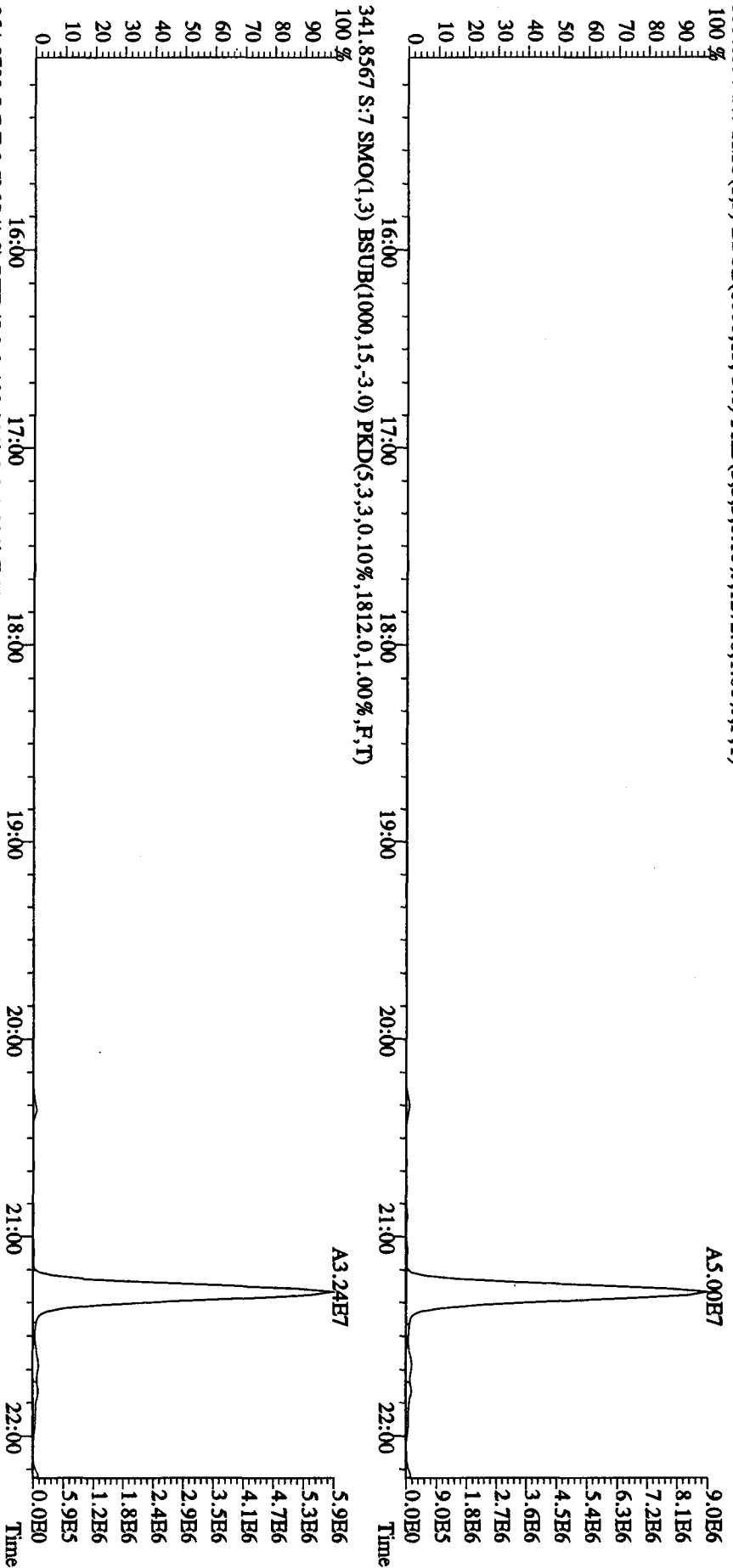
File:30AP104D5 #1-434 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXTAR-1-AC :GDD100464-1 [20X] Exp:DIOXINRES8290A
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5168,0,1,100%,F,T)



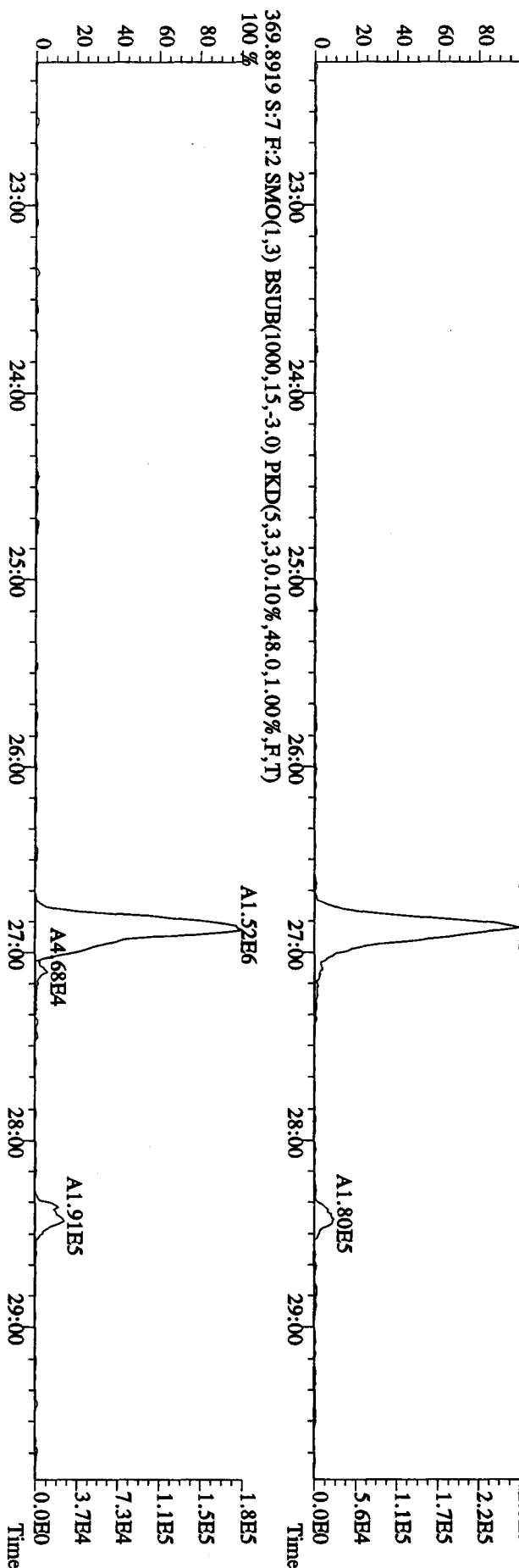
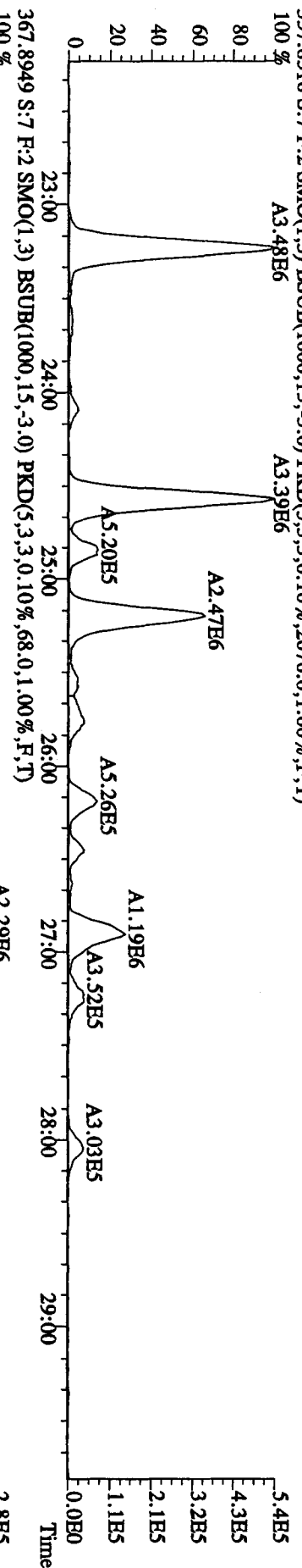
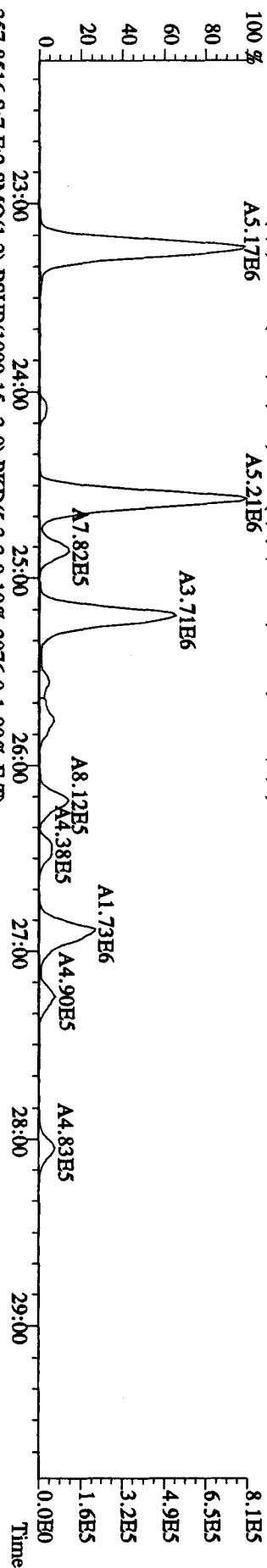
File:30AP104D5 #1-604 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 339.8597 S:7 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9636.0,1.00%,F,T)



File:30ADP104D5 #1-434 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXTAR-1-AC :GDD100464-1 [20X] Exp:DIOXINRES8290A
 339.8597 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1272.0,1.00%,F,T)

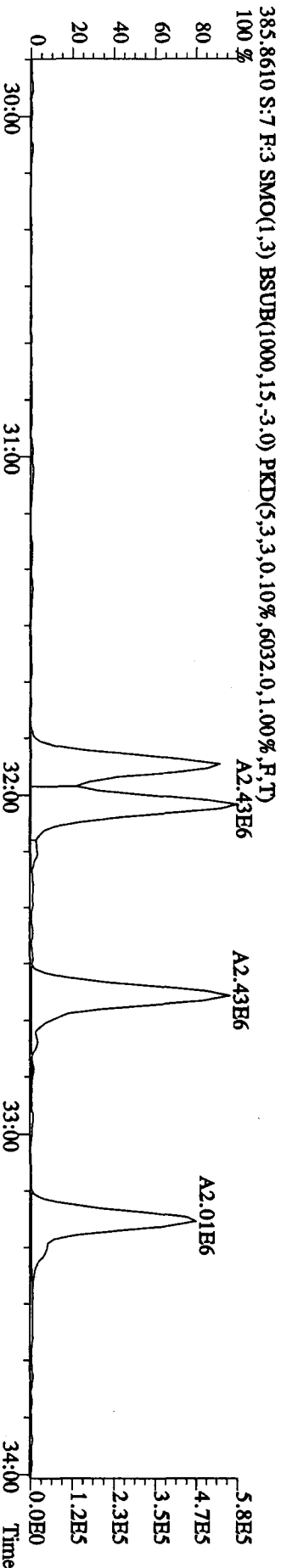
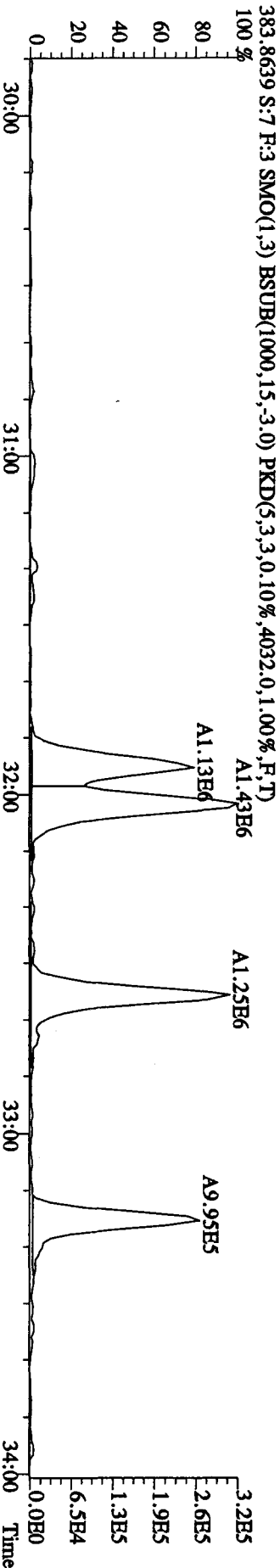
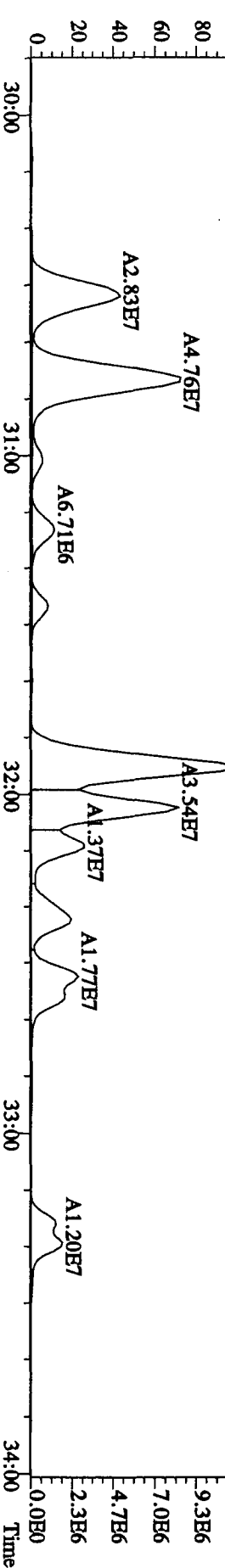
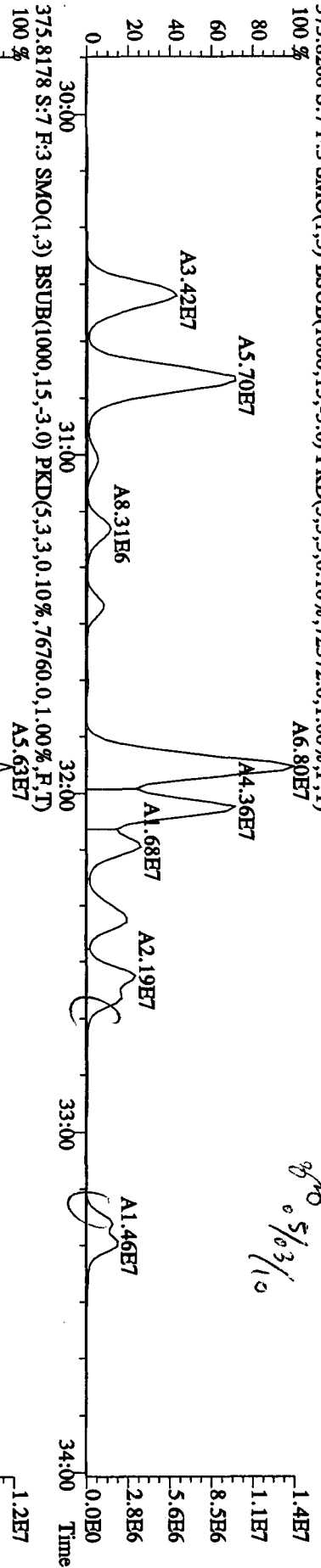


File:30AP104D5 #1-604 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :GOD100464-1 [20X] Exp:DIOXINRES8290A
 355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1860.0,1.00%,F,T)
 100%

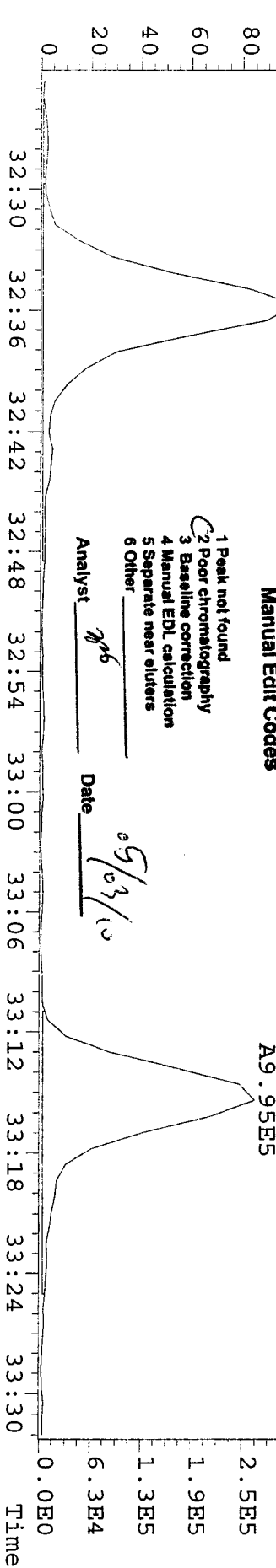
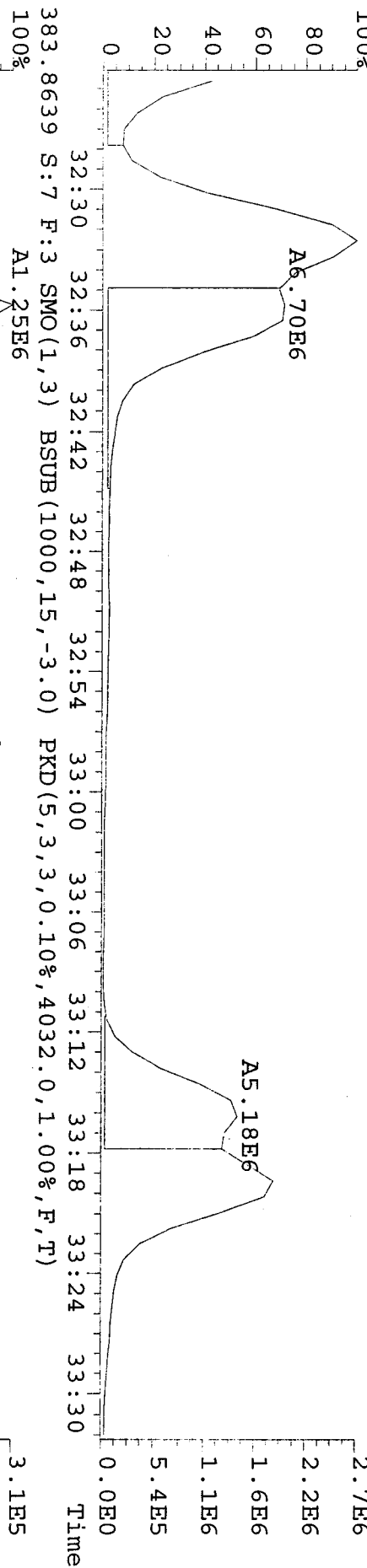
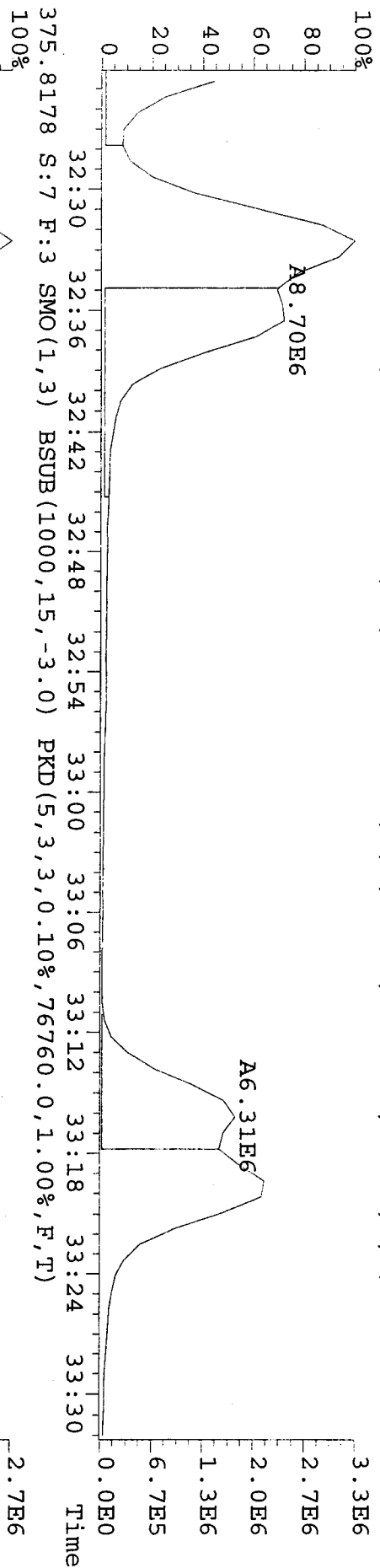


File:30AP104D5 #1-317 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,72372.0,1.00%,F,T)
 100%

8^{MO} 5/3/10



File: 30AP104D5 #1-317 Acq: 30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: LXTAR-1-AC : GOD100464-1 Exp: DIOXINRES8290A
 373.8208 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72372.0,1.00%,F,T)

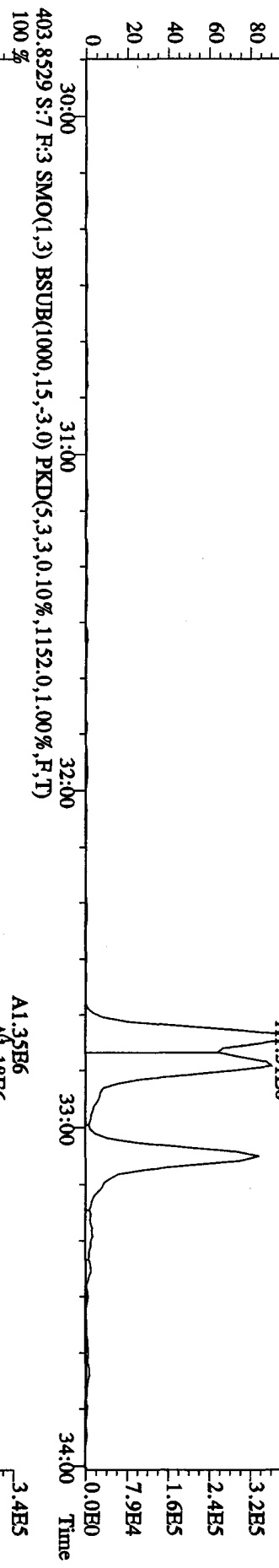
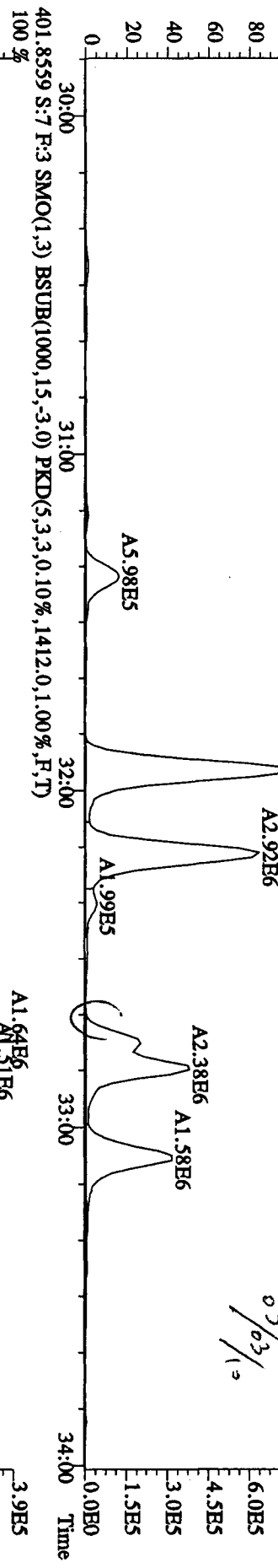
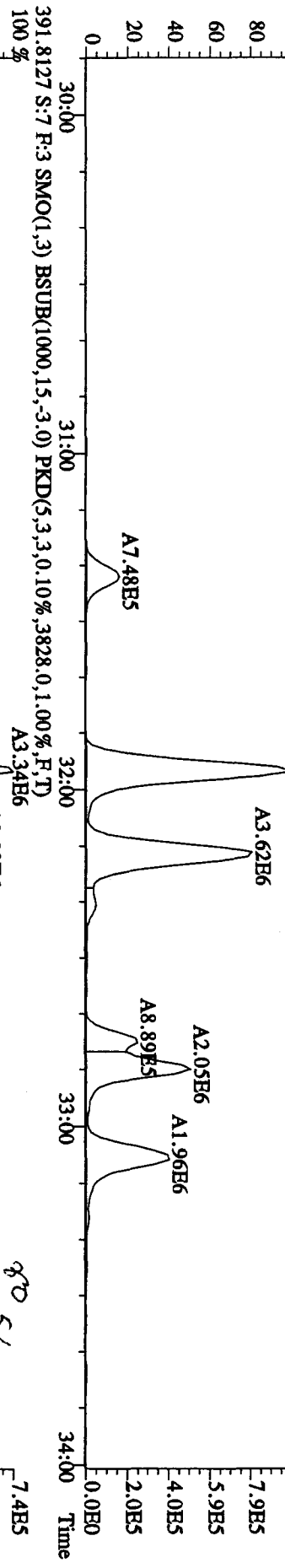


Manual Edit Codes

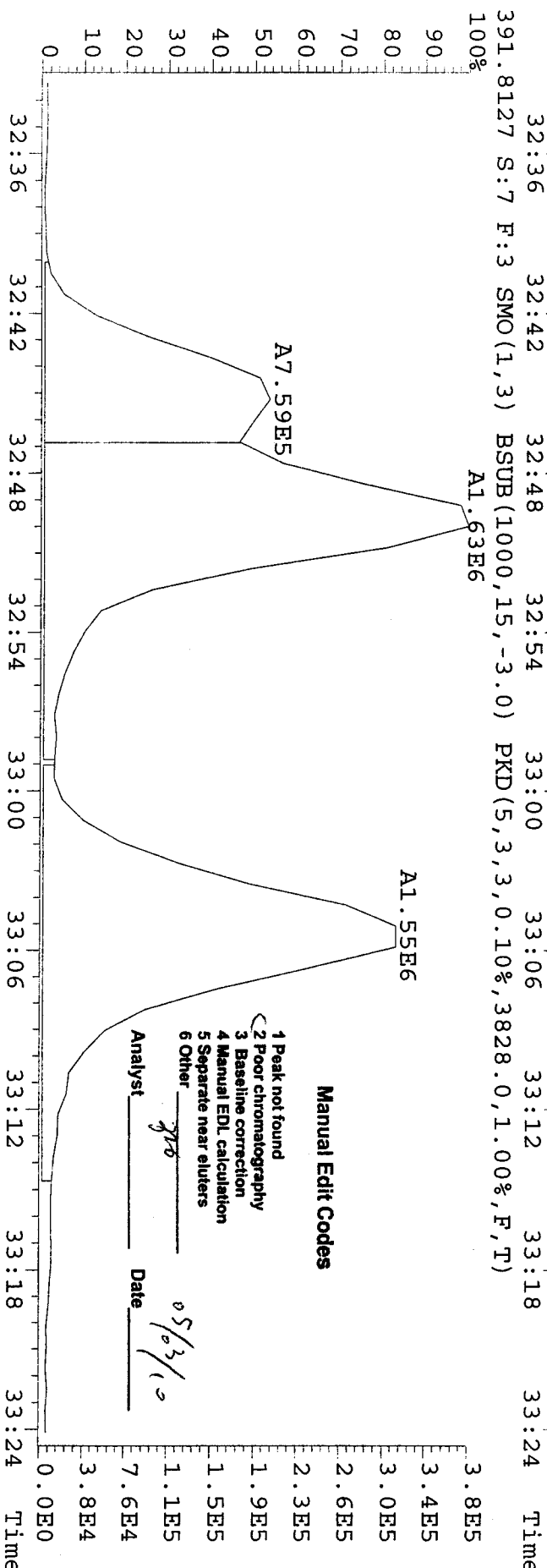
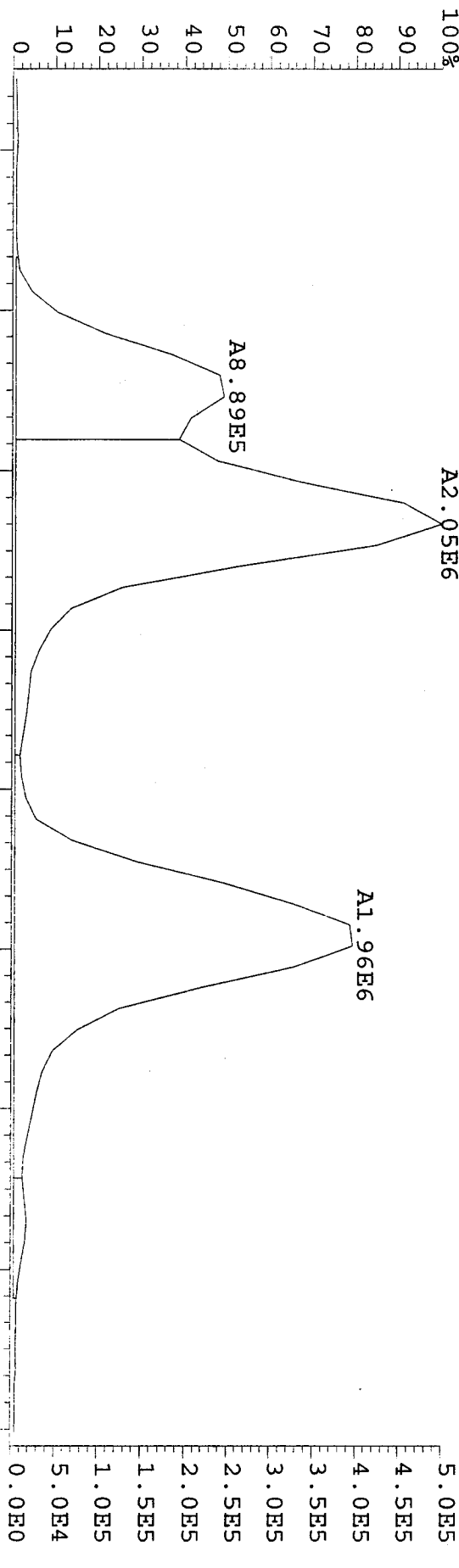
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst mp6 Date 05/03/10

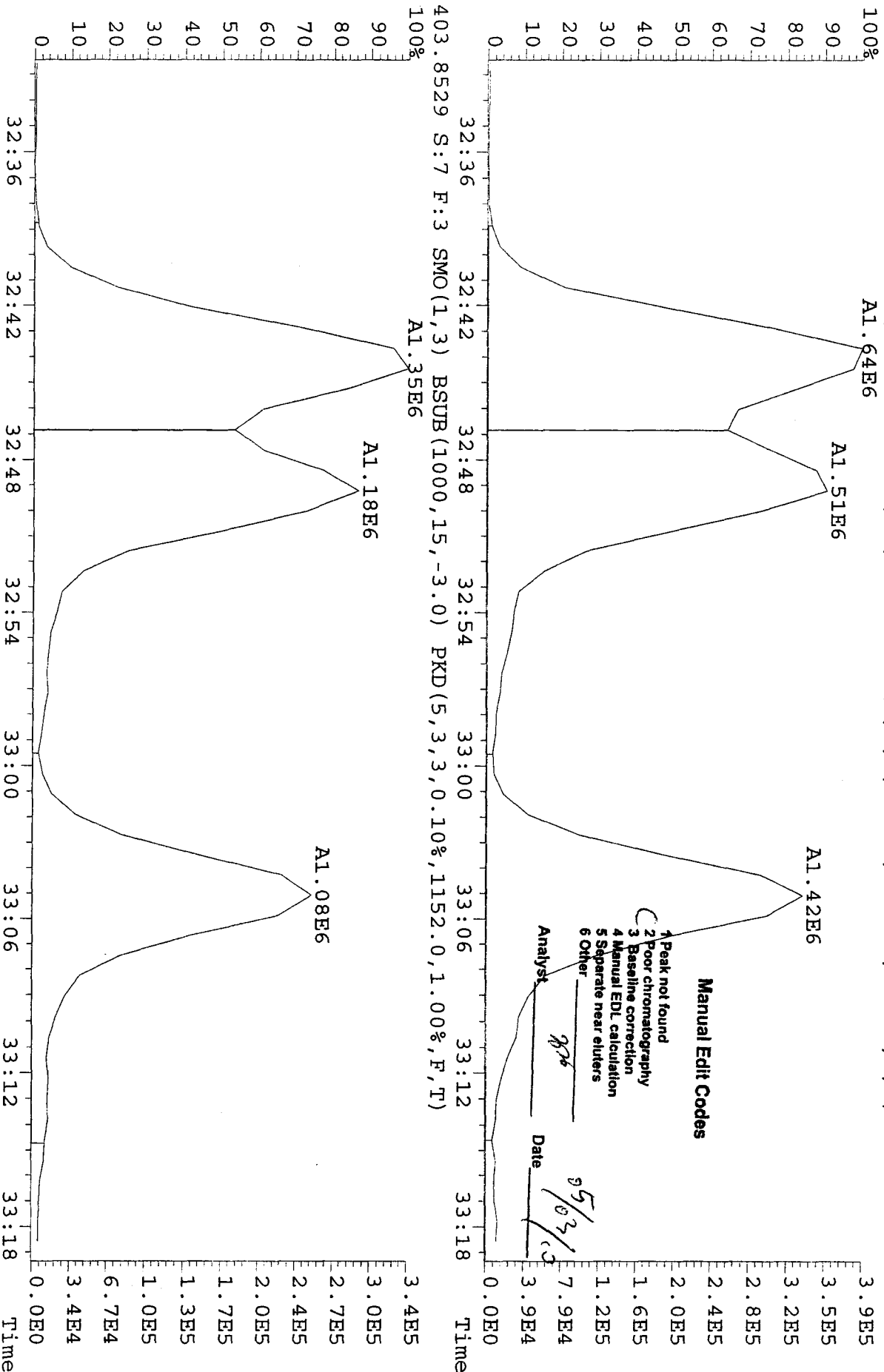
File:30API04D5 #1-317 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LTAR-1-AC :GDD100464-1 [20X] Exp:DIOXINRES8290A
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)



File: 30API04D5 #1-317 Acq: 30-APR-2010 12:42:33 GC FI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: LXTAR-1-AC : GOD100464-1 Exp: DIOXINRES8290A
 389.8157 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)



File: 30API104D5 #1-317 Acq: 30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-Ultimae
 Sample#7 Text: LXTAR-1-AC : GOD100464-1 Exp: DIOXINRES8290A
 401.8559 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1412.0,1.00%,F,T)



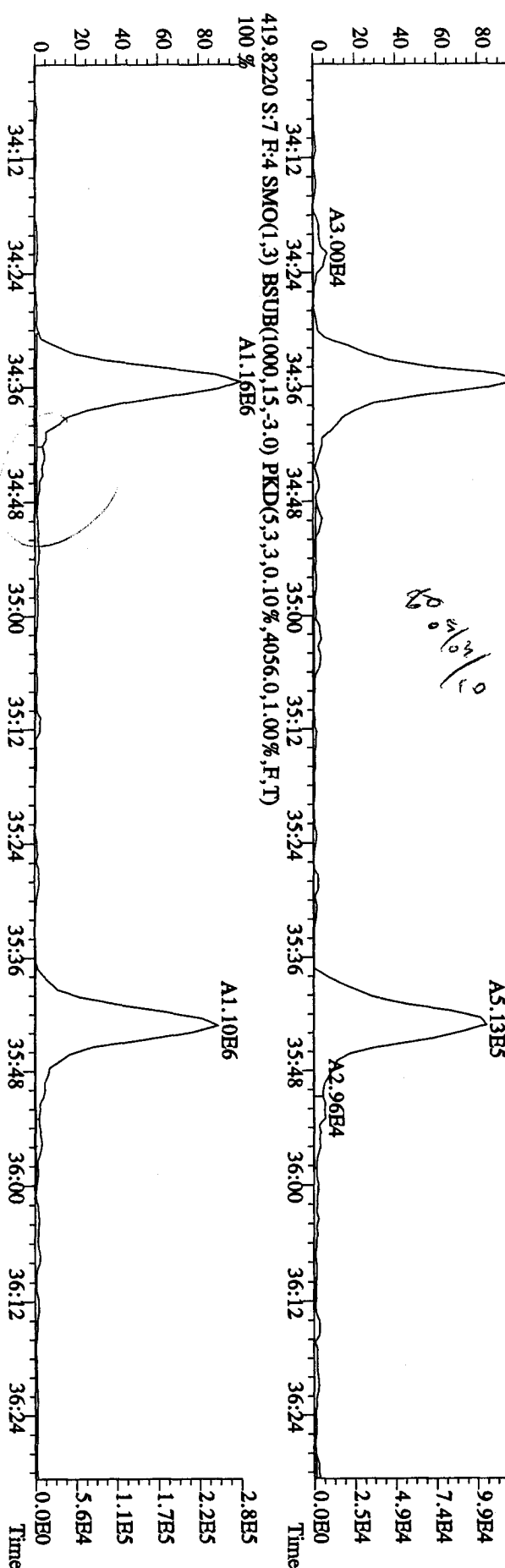
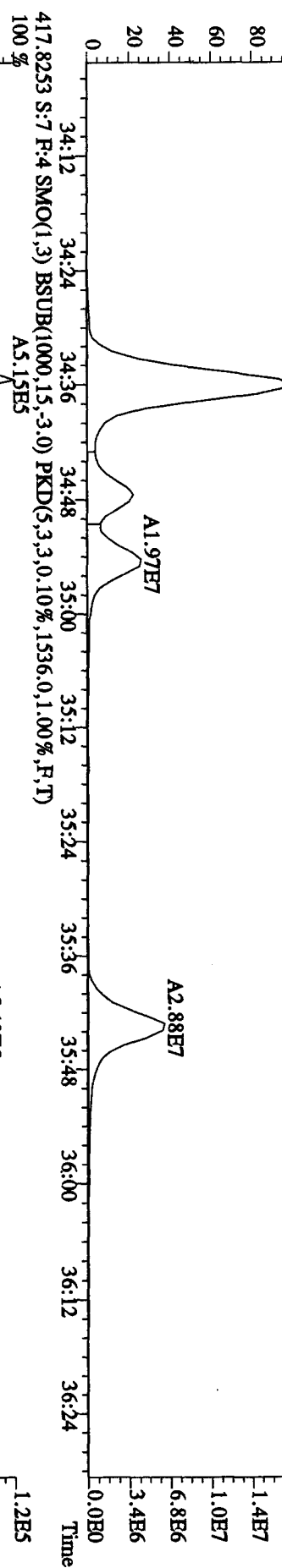
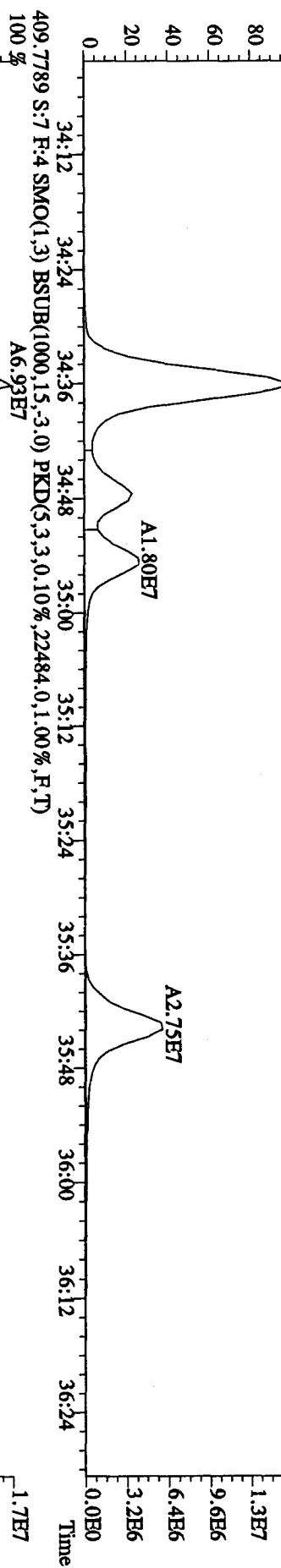
Manual Edit Codes

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

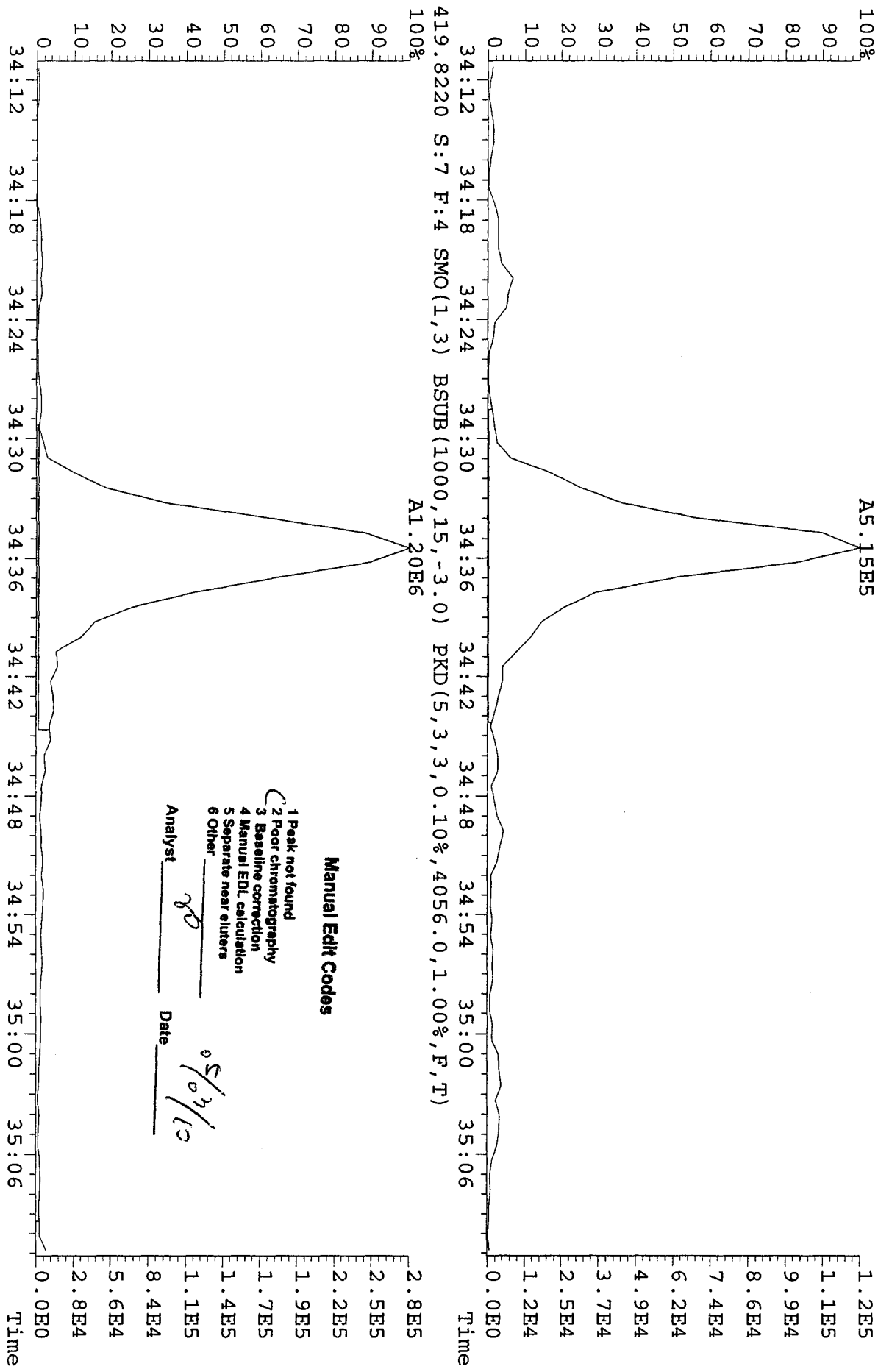
Analyst

Date 5/3/13

File:30AP104D5 #1-198 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :GOD100464-1 [20X] Exp:DIOXINRES8290A
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,21404.0,1.00%,F,T)
 100 % A6.51E7



File: 30API04D5 #1-198 Acq: 30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LXTAR-1-AC : GOD100464-1 Exp: DIOXINRES8290A
 417.8253 S: 7 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1536.0,1.00%,F,T)



Manual Edit Codes

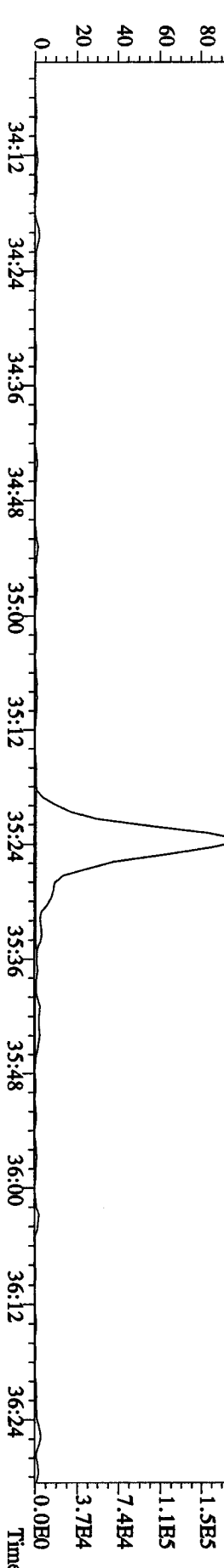
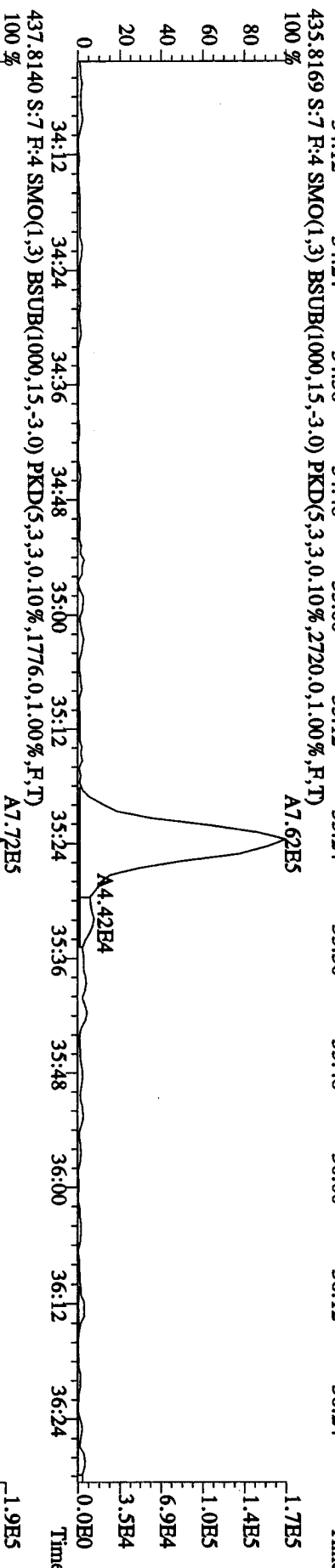
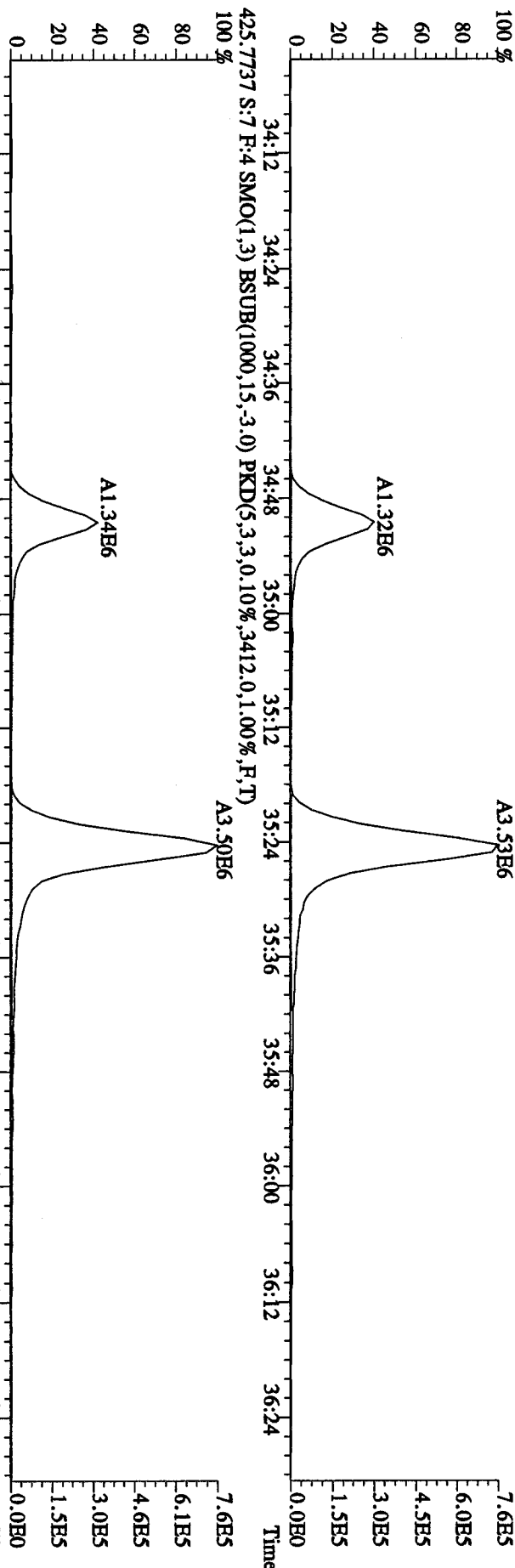
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst Date 05/27/10

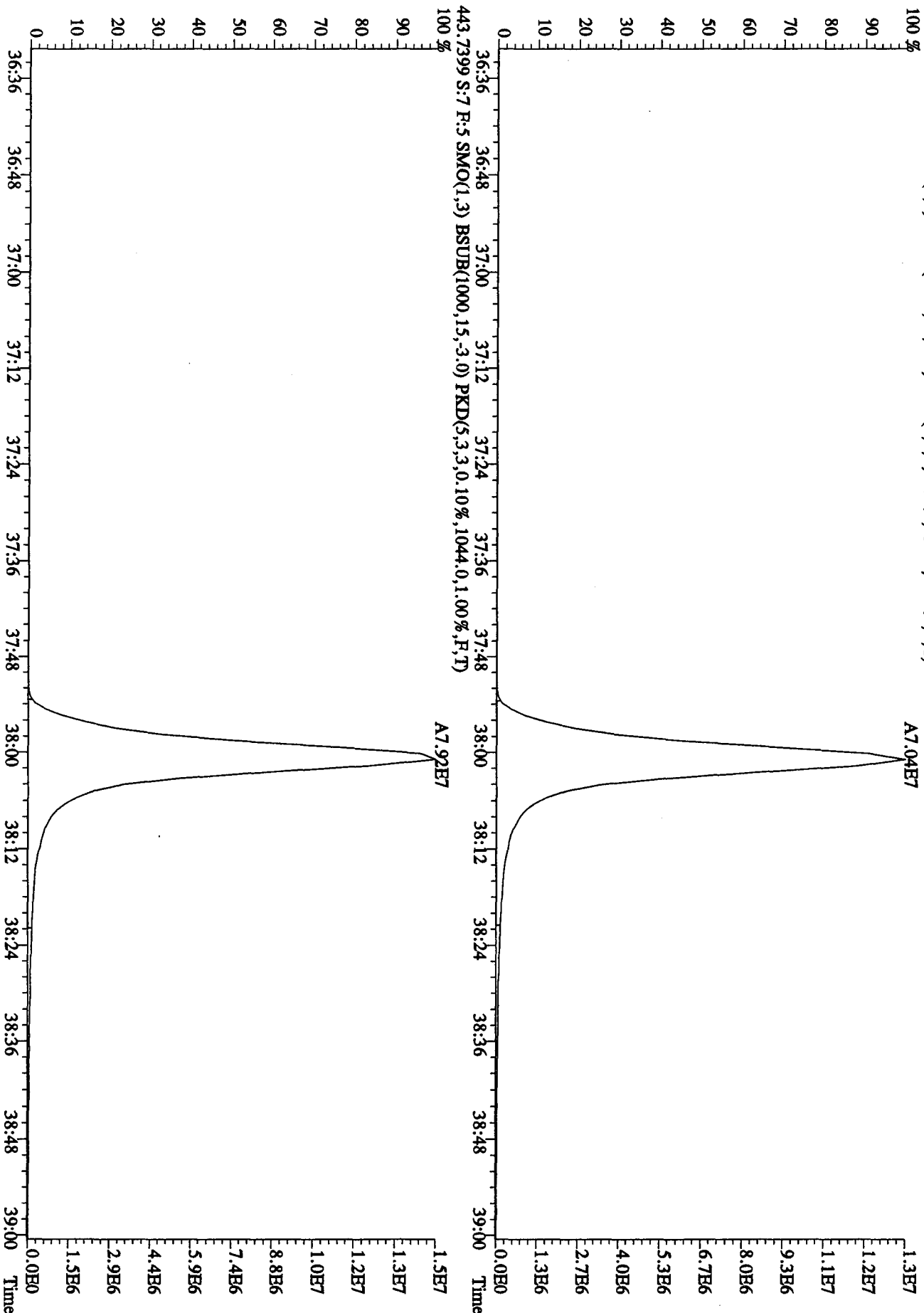
1.2E5
1.1E5
9.9E4
8.6E4
7.4E4
6.2E4
4.9E4
3.7E4
2.5E4
1.2E4
0.0E0
Time

2.8E5
2.5E5
2.2E5
1.9E5
1.7E5
1.4E5
1.1E5
8.4E4
5.6E4
2.8E4
0.0E0
Time

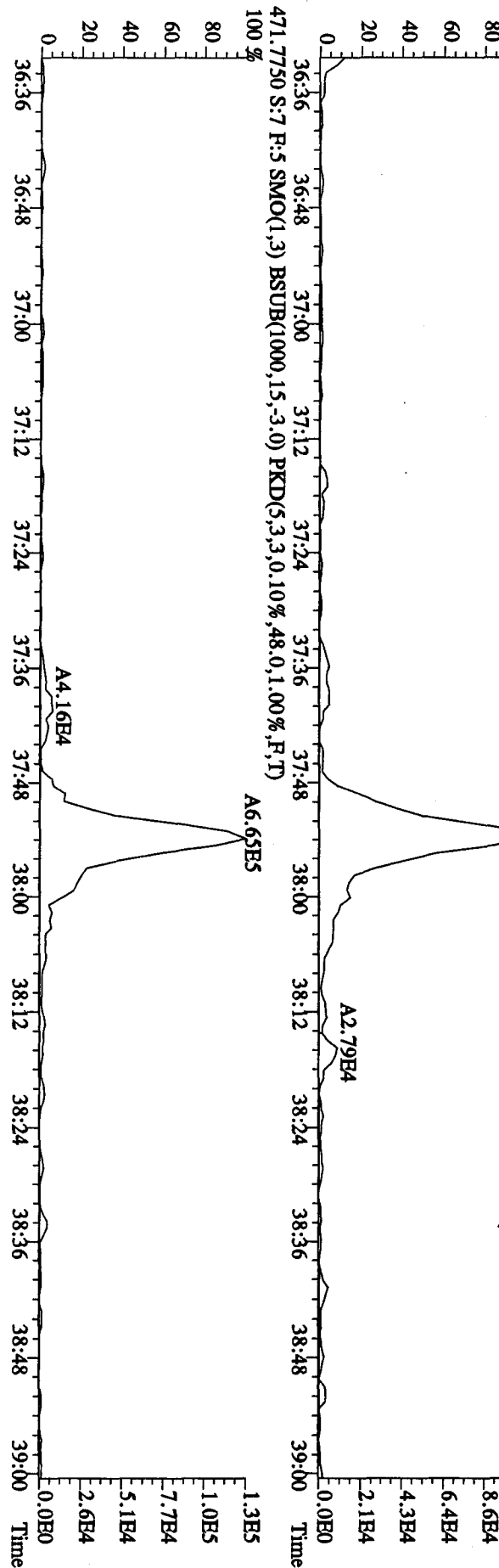
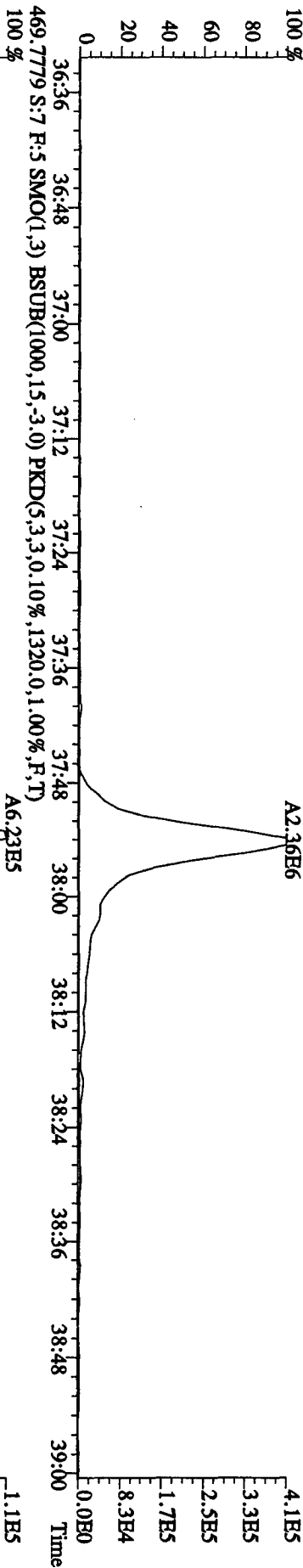
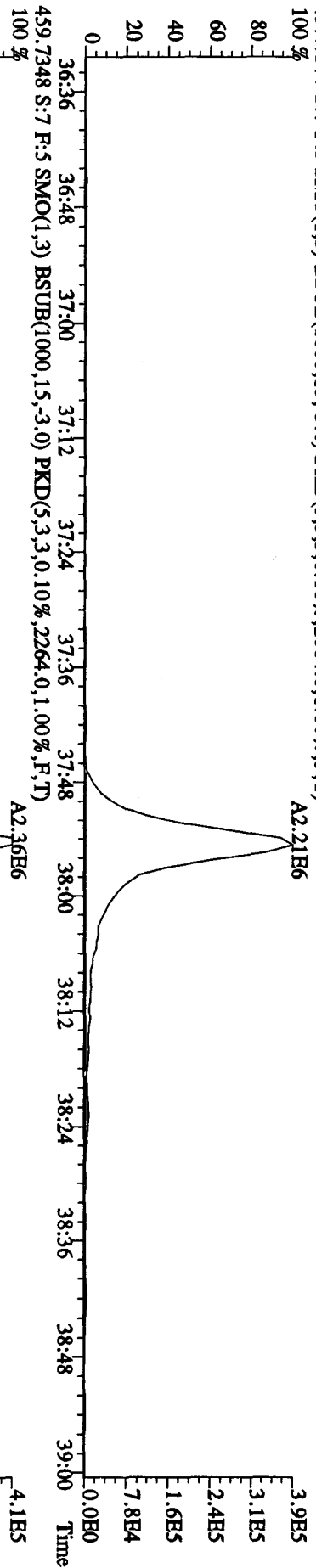
File:30AP104D5 #1-198 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXTAR-1-AC :GOD100464-1 [20X] Exp:DIOXINRES8290A
 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,2680.0,1.00%,F,T)



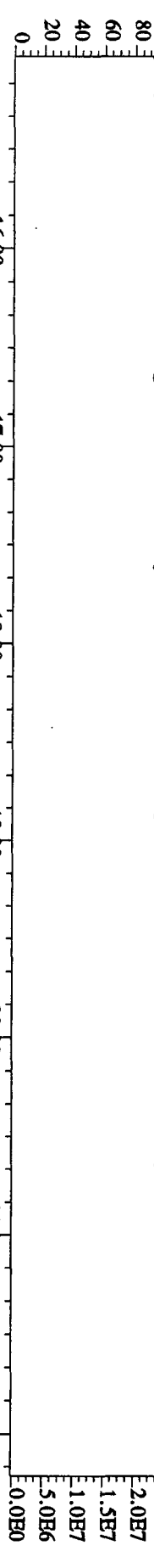
File:30AP104D5 #1-190 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,528.0,1.00%,F,T)



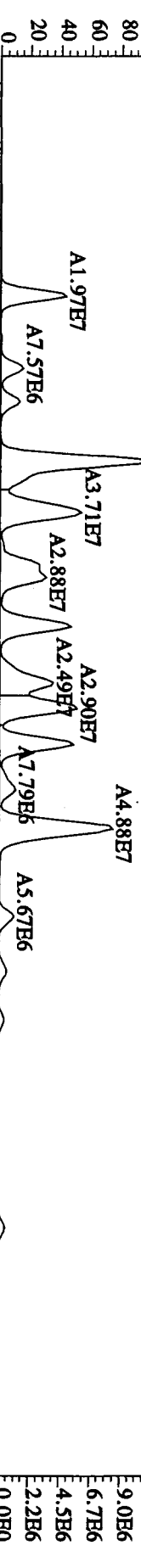
File:30AP104D5 #1-190 Acq:30-APR-2010 12:42:33 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0,10%,2084.0,1.00%,F,T) 100%



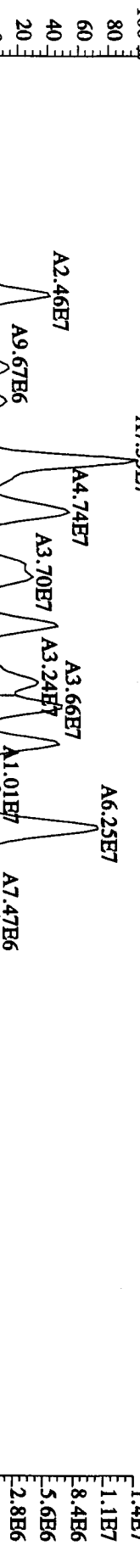
File:30AP104D5 #1-434 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXTAR-1-AC :GOD100464-120X1 Exp:DI0XINRES8290A
 354.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:28 15:56 16:31 16:53 17:31 18:16 18:45 19:23 20:05 20:29 21:05 21:34 22:11



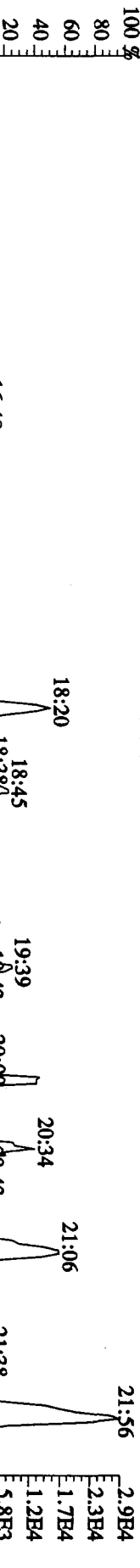
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5888,0,1.00%,F,T)
 100% 15:28 15:56 16:31 16:53 17:31 18:16 18:45 19:23 20:05 20:29 21:05 21:34 22:11



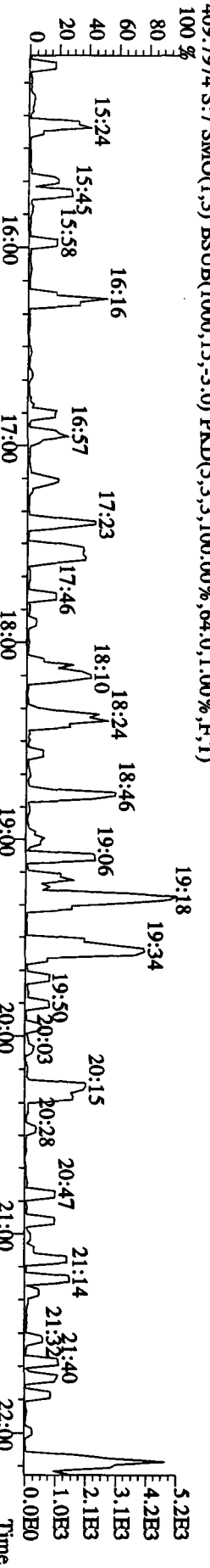
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8000,0,1.00%,F,T)
 100% 15:28 15:56 16:31 16:53 17:31 18:16 18:45 19:23 20:05 20:29 21:05 21:34 22:11



375.8364 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)
 100% 15:28 15:56 16:31 16:53 17:31 18:16 18:45 19:23 20:05 20:29 21:05 21:34 22:11

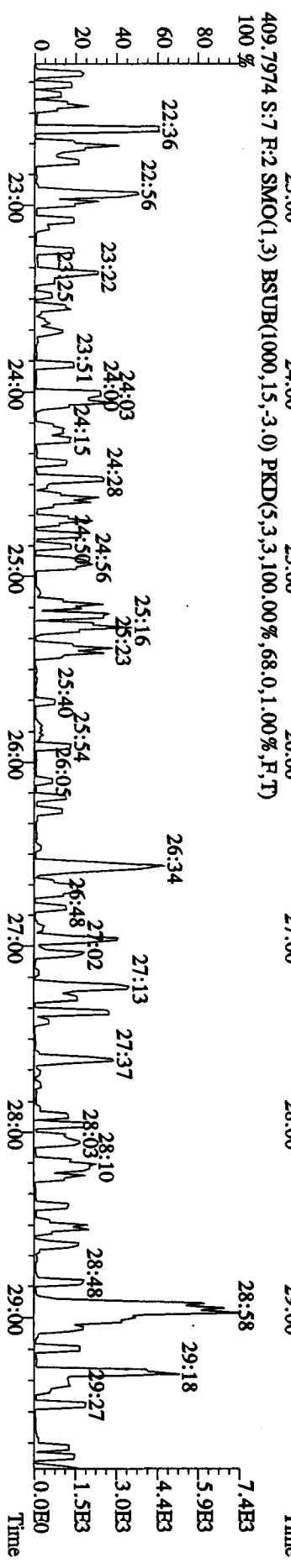
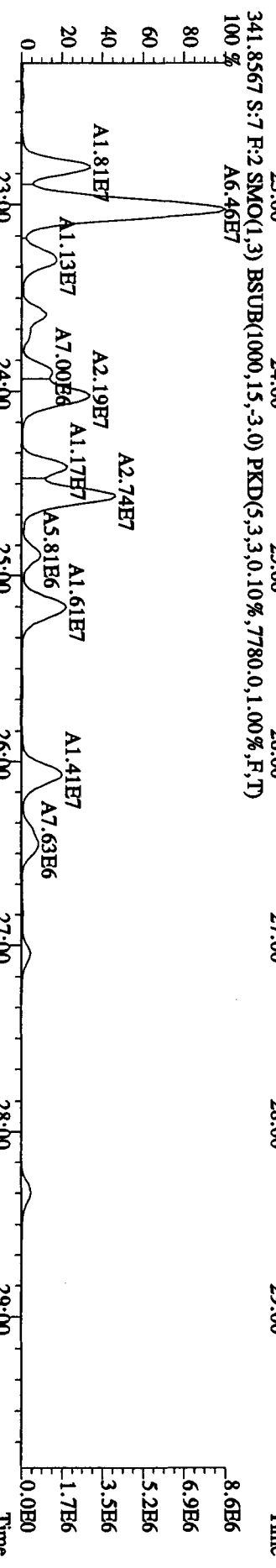
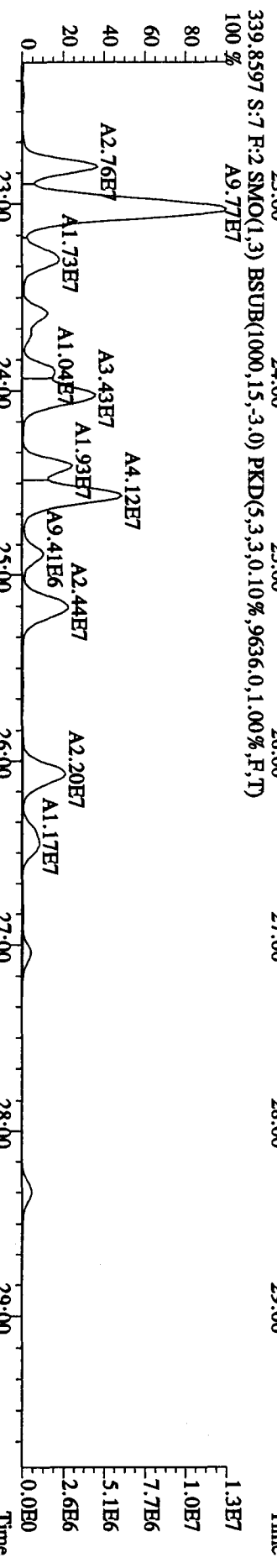
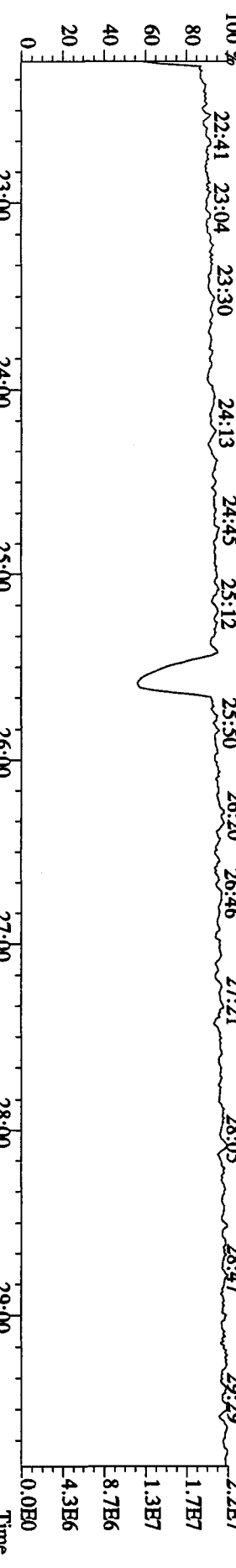


409.7974 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,64.0,1.00%,F,T)
 100% 15:28 15:56 16:31 16:53 17:31 18:16 18:45 19:23 20:05 20:29 21:05 21:34 22:11

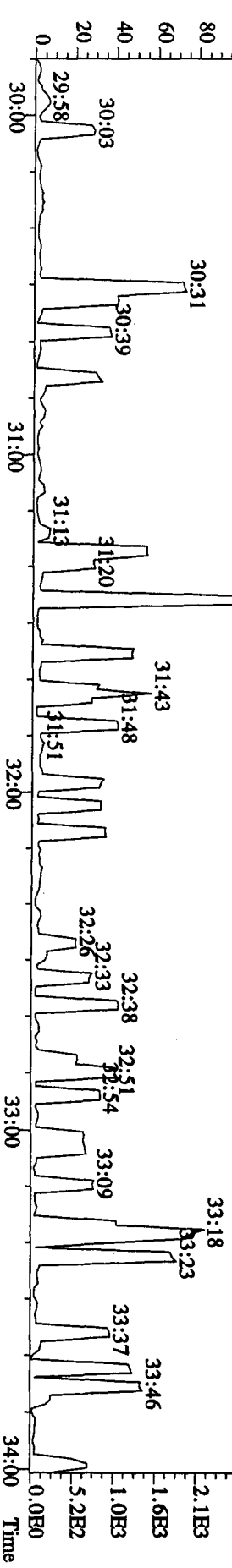
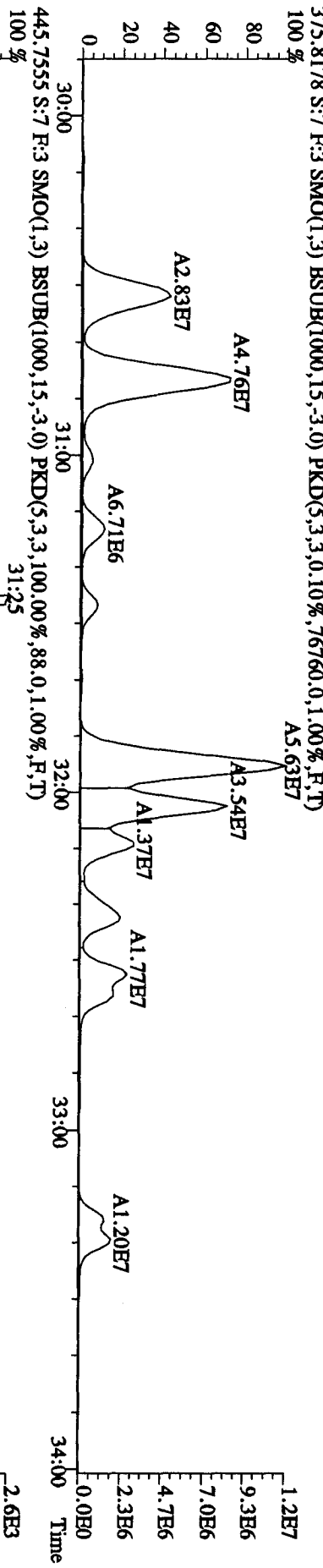
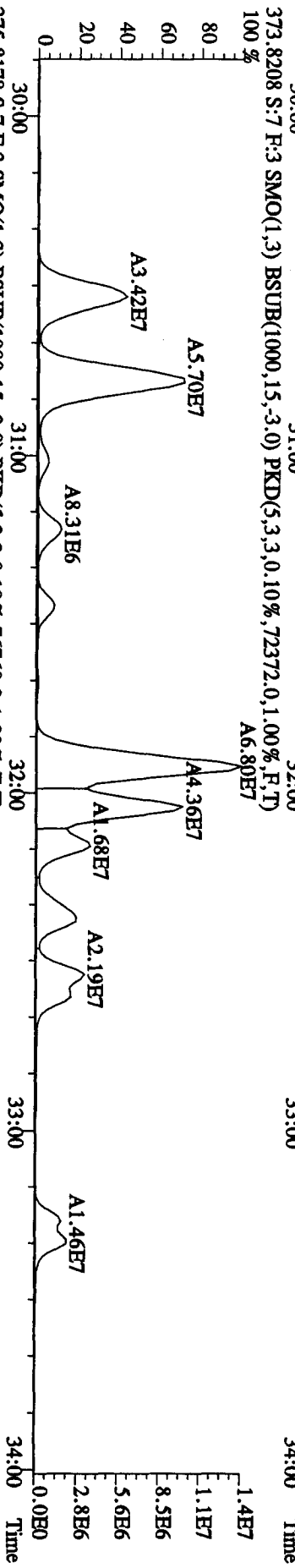
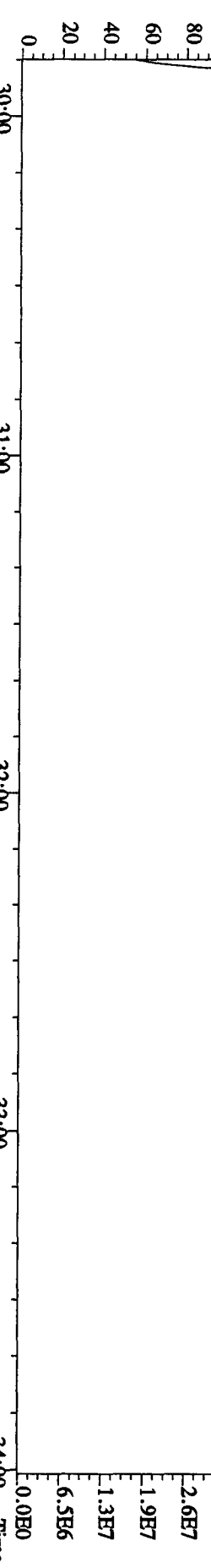


354.9792 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:28 15:56 16:31 16:53 17:31 18:16 18:45 19:23 20:05 20:29 21:05 21:34 22:11

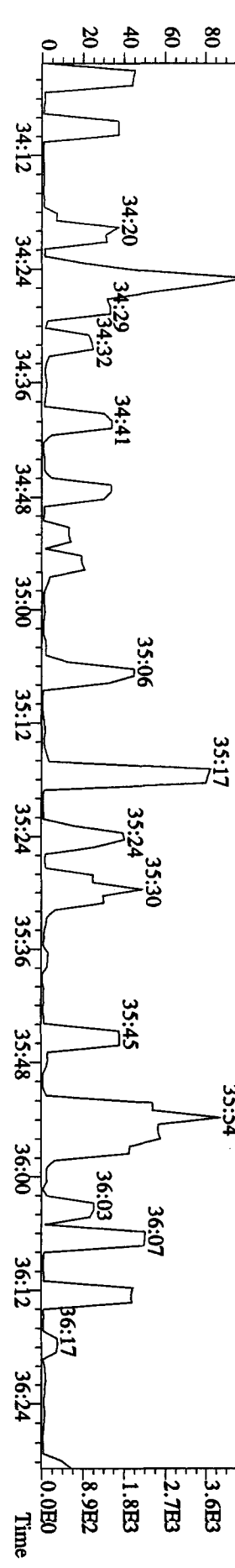
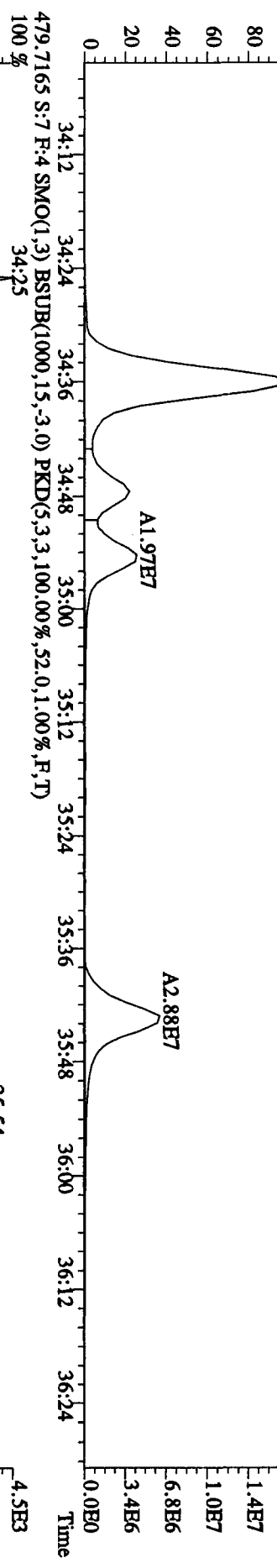
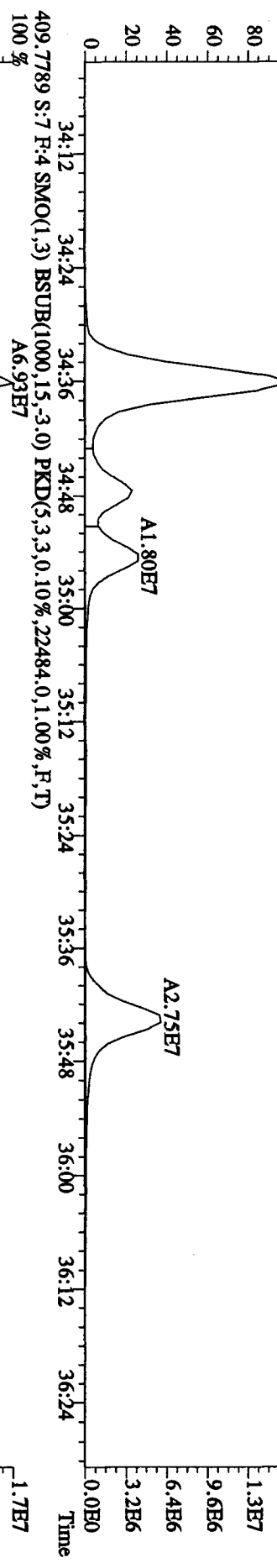
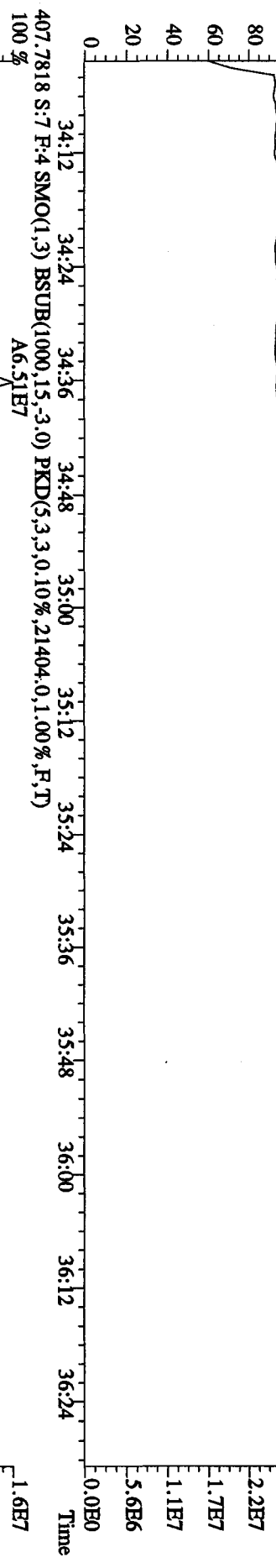
File:30AP104D5 #1-604 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 354.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



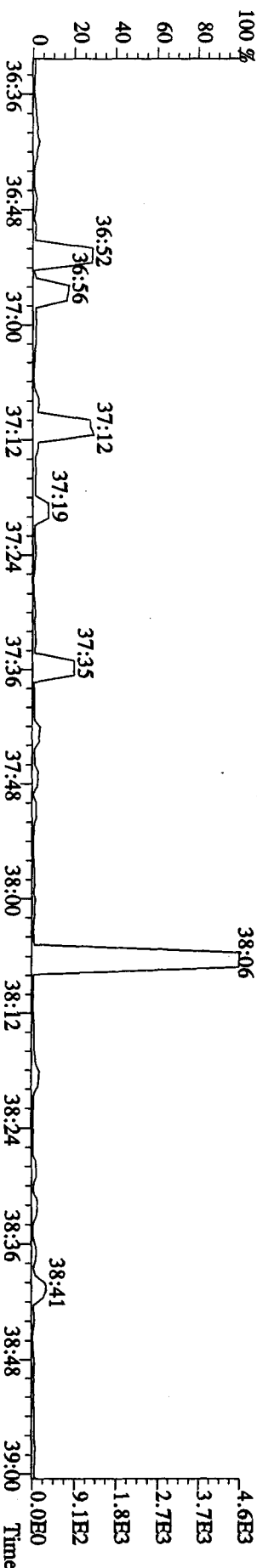
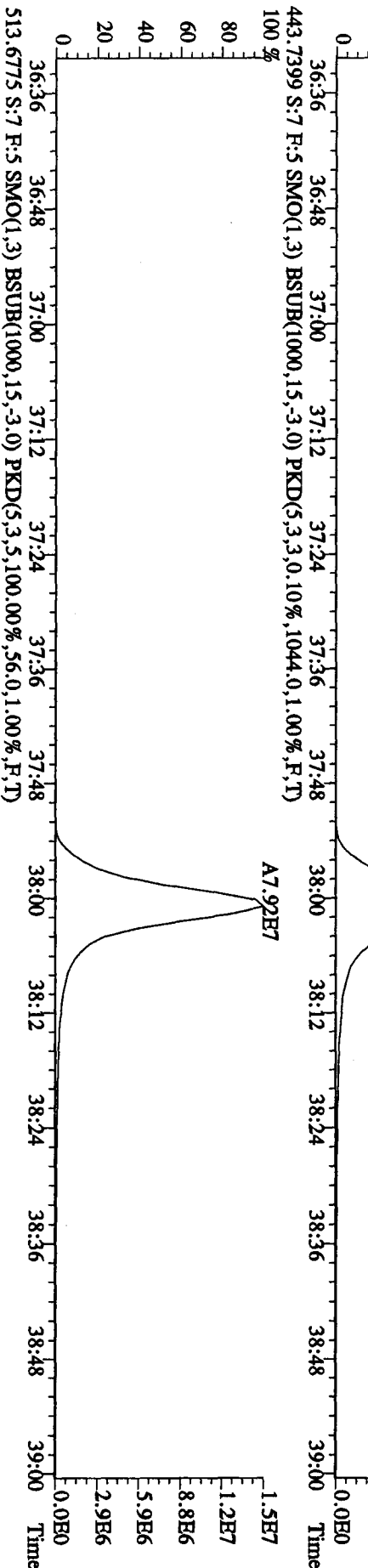
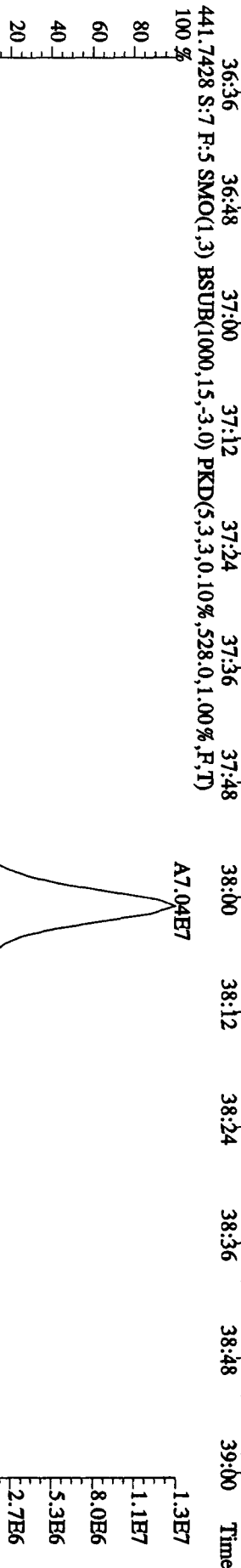
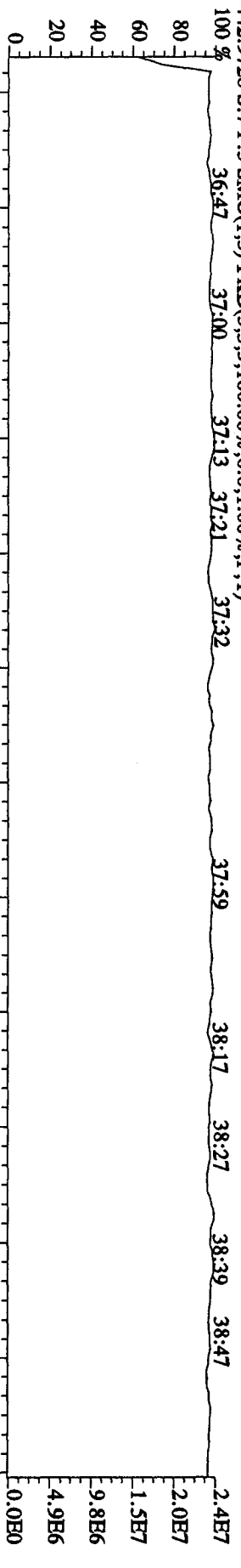
File:30AP104D5 #1-317 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 430.9728 S:7 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 100 % 29:57 30:11 30:32 30:47 31:09 31:28 31:47 32:06 32:22 32:39 32:57 33:11 33:26 33:42



File:30AD104D5 #1-198 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A
 430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



File:30AP104D5 #1-190 Acq:30-APR-2010 12:42:33 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:LXTAR-1-AC :G0D100464-1 [20X] Exp:DIOXINRES8290A



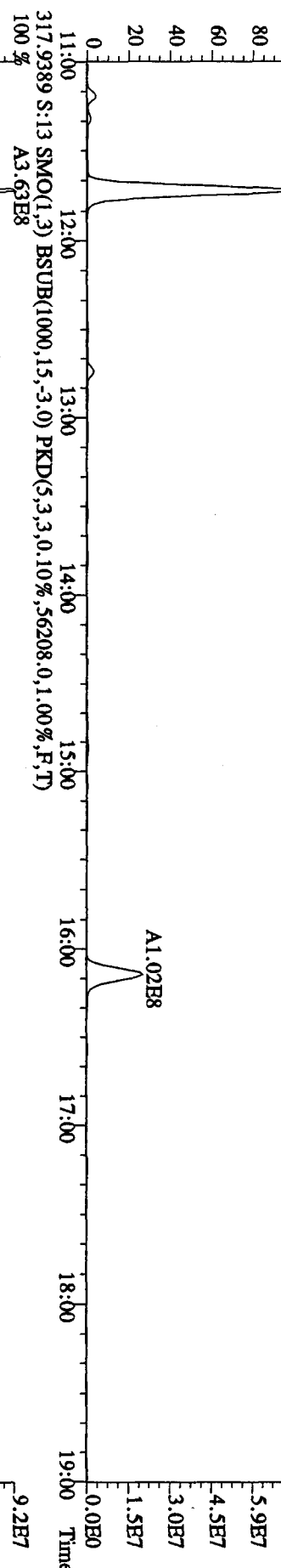
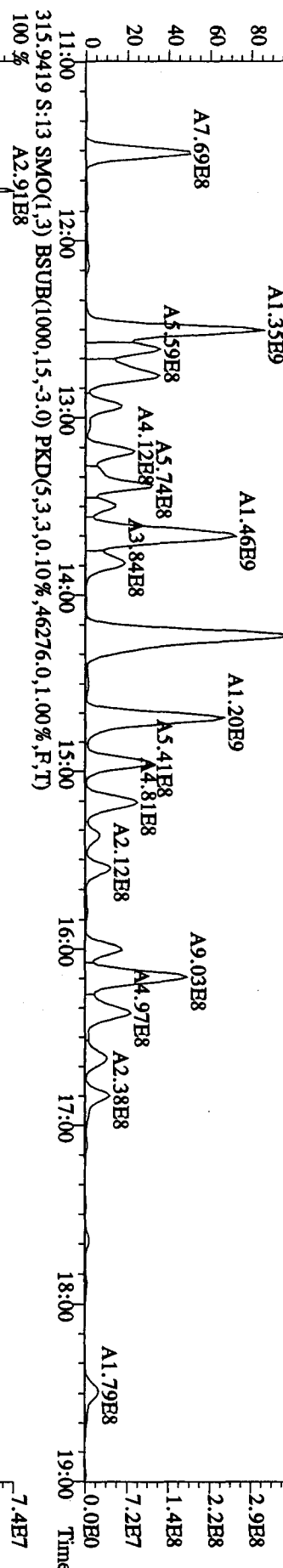
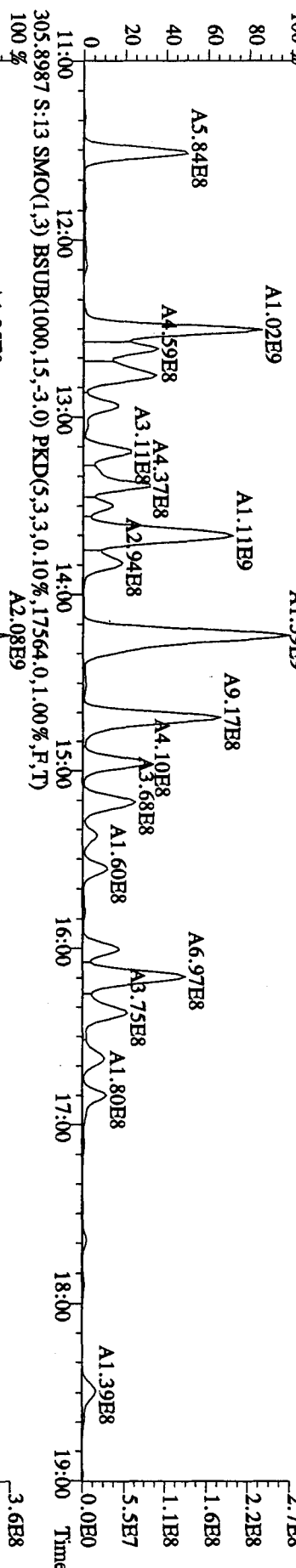
Run text: LXTAR-1-AC Sample text: GOD100464-1
Run #17 Filename: 29AP105D2 S: 13 I: 1 Results: 29AP105D2DB225
Acquired: 29-APR-10 16:01:21 Processed: 29-APR-10 19:12:03
Run: 29AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.18007g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	79522900	0.74 y	14:58	-	7.85	-	-	n
13C-2,3,7,8-TCDF	227155000	0.81 y	16:09	2.11	133.22	0.82	67.8	n
2,3,7,8-TCDF	1599893000	0.77 y	16:10	1.09	1271.28	0.55	-	n
13C-2,3,7,8-TCDD	104942600	0.75 y	14:46	0.95	136.68	0.34	69.6	n
2,3,7,8-TCDD	62590700	0.83 y	14:47	1.36	86.33	0.31	-	n
37C1-2,3,7,8-TCDD	114962200	1.00 y	14:47	2.28	62.34	0.59	79.3	n

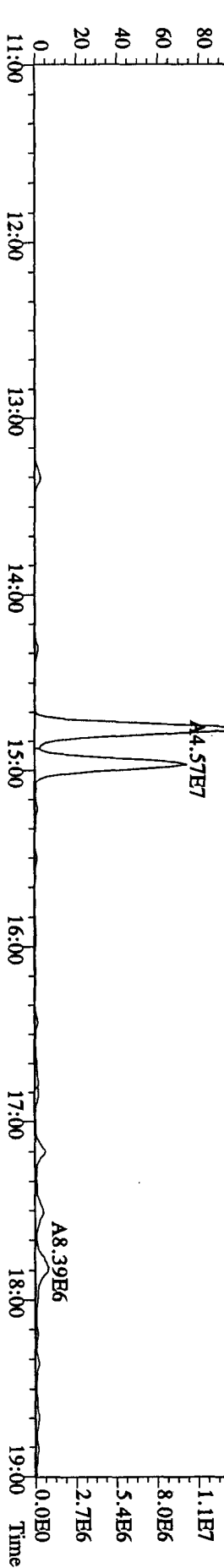
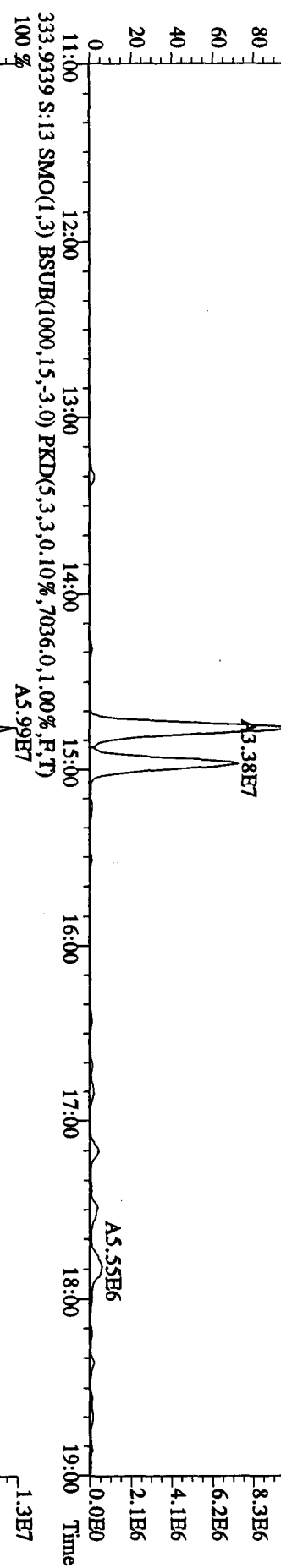
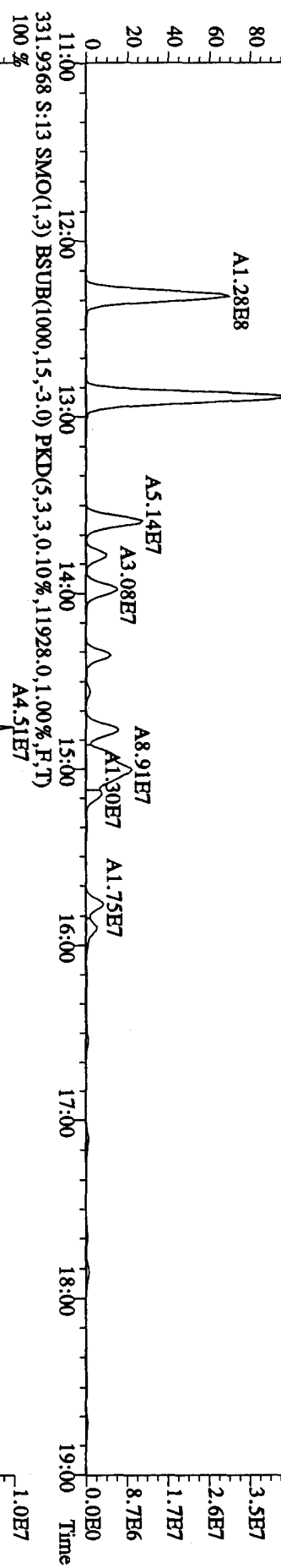
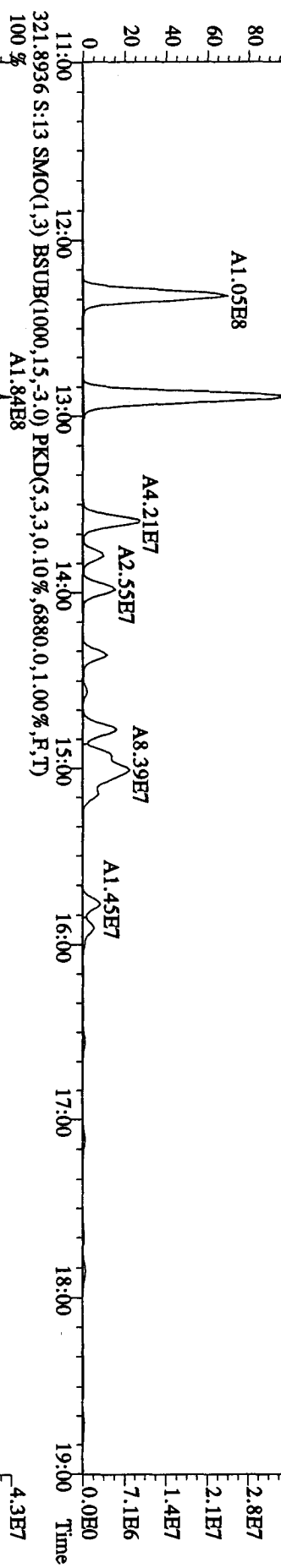
G E-con.

85 04/30/10

File:29AP105D2 #1-1242 Acq:29-APR-2010 16:01:21 GC EI + Voltage SIR 70SE
 Sample#13 Text:LXTAR-1-AC :GDD100464-1 Exp:DB225RES
 303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27796.0,1.00%,F,T)
 100 % A1.59E9



File:29AP105D2 #1-1242 Acq:29-APR-2010 16:01:21 GC EI + Voltage SIR 70SE
 Sample#13 Text:LXTAR-1-AC :G0D100464-1 Exp:DB225RES
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10068,0,1,00%,F,T)

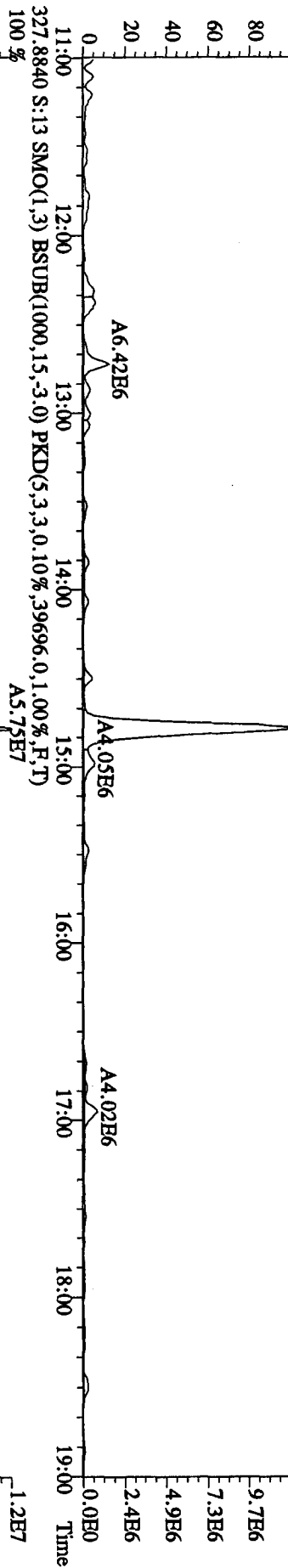


File:29AP105D2 #1-1242 Acq:29-APR-2010 16:01:21 GC EI+ Voltage SIR 70SE

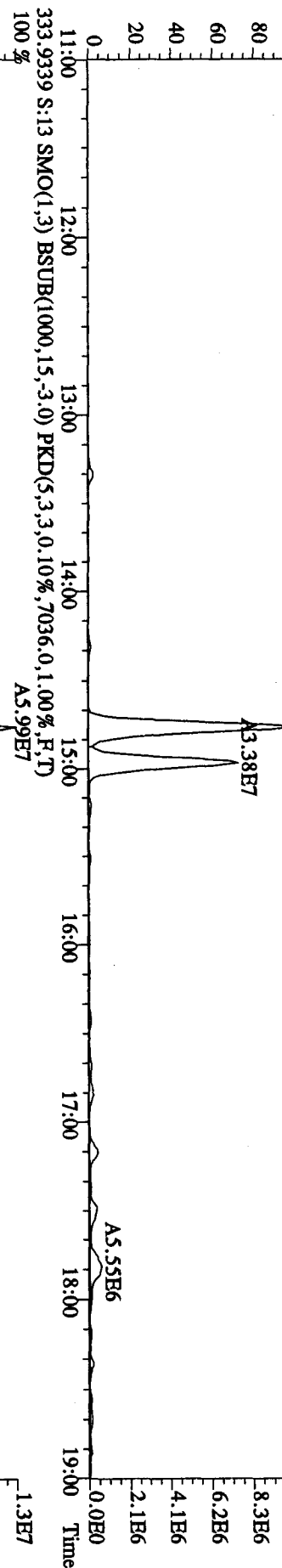
Sample#13 Text:LXTAR-1-AC :G0D100464-1

Exp:DB225RES

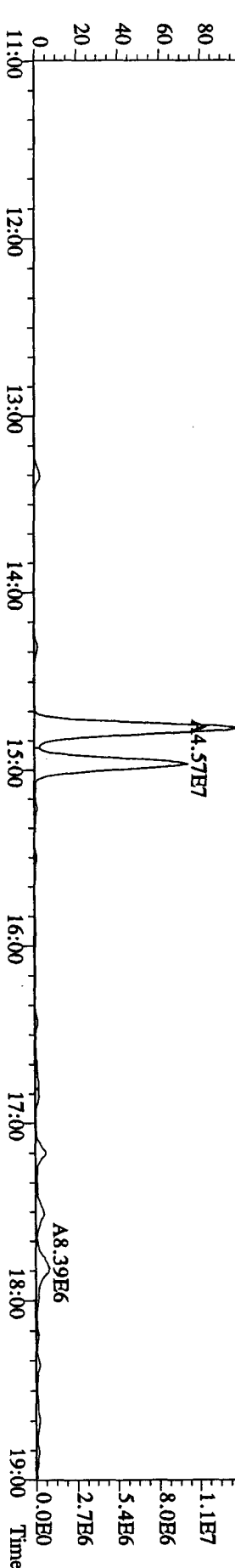
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,39696.0,1.00%,F,T) A5.75E7



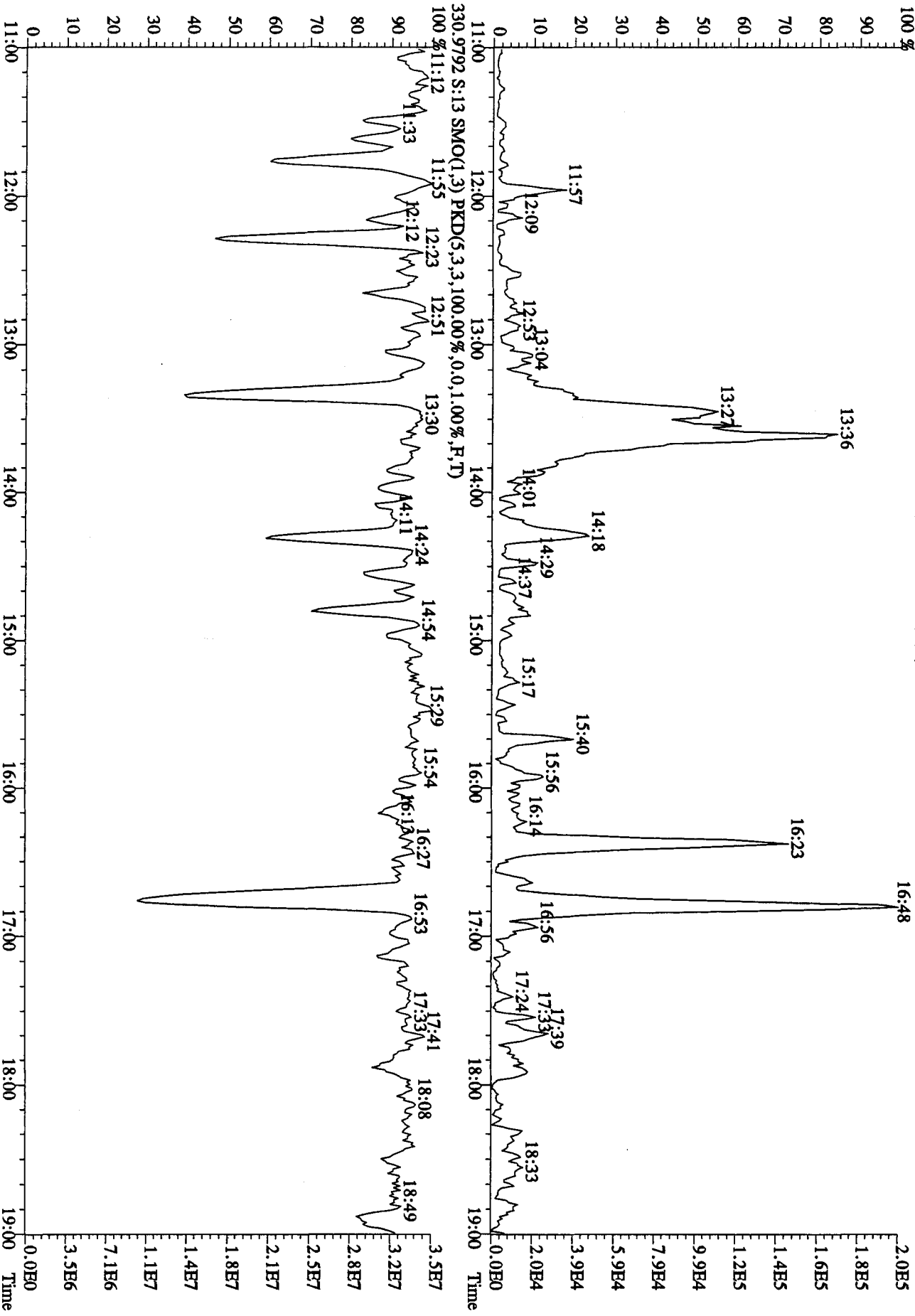
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11928.0,1.00%,F,T) A4.51E7



333.9339 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7036.0,1.00%,F,T) A5.99E7



File:29AP10SD2 #1-1242 Acq:29-APR-2010 16:01:21 GC FI + Voltage SIR 70SE
 Sample#13 Text:LXTAR-1-AC :GOD100464-1 Exp:DB225RES
 375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3468.0,1.00%,F,T)



Run text: LXTAR-1-AD Sample text: LXTAR-1-AD :G0D100464-1S [20X]
 Run #13 Filename: 30AP104D5 S: 8 I: 1 Results: 30AP104D58290ASY
 Acquired: 30-APR-10 13:26:36 Processed: 30-APR-10 14:30:47
 Run: 30AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.10 g

370 05/03/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	2472380	0.77 y	19:29	-	0.184	-	-	n
13C-2,3,7,8-TCDF	4840760	0.76 y	18:55	1.52	127.474	1.921	64.4	n
2,3,7,8-TCDF	55527300	0.79 y	18:57	0.95	2402.837	6.189	-	n
Total TCDF	330325203	0.99 n	15:43	0.95	14294.188	6.189	-	n
13C-2,3,7,8-TCDD	3403630	0.75 y	19:42	0.95	143.524	3.688	72.5	n
2,3,7,8-TCDD	993734	0.79 y	19:43	1.02	56.624	2.106	-	n
Total TCDD	18755576	0.78 y	17:14	1.02	1068.718	2.106	-	n
37Cl-2,3,7,8-TCDD	3857340	1.00 y	19:43	2.26	68.311	1.318	86.2	n
13C-1,2,3,7,8-PeCDF	2900380	1.53 y	24:34	1.05	110.585	2.154	55.8	n
1,2,3,7,8-PeCDF	34962400	1.56 y	24:35	1.04	2284.755	27.491	-	n
2,3,4,7,8-PeCDF	18709570	1.64 y	26:05	0.98	1300.588	29.243	-	n
Total F2 PeCDF	234763100	1.57 y	22:49	1.01	15784.984	28.340	-	n
Total F1 PeCDF	26488510	1.17 n	17:37	1.01	1784.462	5.726	-	n
13C-1,2,3,7,8-PeCDD	2352260	1.49 y	26:54	0.67	140.498	0.105	71.0	n
1,2,3,7,8-PeCDD	2619050	1.56 y	26:55	0.98	224.538	6.467	-	n
Total PeCDD	14314004	1.35 y	23:15	0.98	1227.175	6.467	-	n
13C-1,2,3,7,8,9-HxCDD	1337955	1.33 y	33:05	-	0.129	-	-	n
13C-1,2,3,4,7,8-HxCDF	1542561	0.57 y	31:55	1.02	111.382	5.780	56.2	n
1,2,3,4,7,8-HxCDF	50161700	1.24 y	31:56	1.21	5310.242	49.491	-	n
1,2,3,6,7,8-HxCDF	33458100	1.15 y	32:03	1.34	3198.601	44.693	-	n
2,3,4,6,7,8-HxCDF	8462240	1.27 y	32:37	1.22	888.757	49.100	-	y
1,2,3,7,8,9-HxCDF	5355770	1.20 y	33:16	1.09	629.333	54.934	-	y
Total HxCDF	182293321	1.24 y	30:33	1.22	10973.664	49.291	-	y
13C-1,2,3,6,7,8-HxCDD	1428530	1.28 y	32:49	0.81	130.983	9.844	66.1	n
1,2,3,4,7,8-HxCDD	1297305	1.42 y	32:45	1.01	178.623	7.594	-	n
1,2,3,6,7,8-HxCDD	2467810	1.12 y	32:50	1.11	307.100	6.864	-	n
1,2,3,7,8,9-HxCDD	2107396	1.19 y	33:06	1.21	241.618	6.324	-	n
Total HxCDD	11164325	0.99 n	31:23	1.11	1300.248	6.889	-	n
13C-1,2,3,4,6,7,8-HpCDF	513883	0.41 y	34:35	0.86	44.086	4.510	↓ 22.3	n
1,2,3,4,6,7,8-HpCDF	36629200	0.94 y	34:36	1.31	10777.226	42.021	-	n
1,2,3,4,7,8,9-HpCDF	19905810	0.93 y	35:44	1.03	7478.796	53.659	-	n
Total HpCDF	75672780	0.94 y	34:36	1.17	24571.709	47.132	-	n
13C-1,2,3,4,6,7,8-HpCDD	591475	1.17 y	35:24	0.70	62.753	8.364	↓ 31.7	n
1,2,3,4,6,7,8-HpCDD	2367860	0.96 y	35:25	1.07	739.593	16.477	-	n
Total HpCDD	3176348	0.22 n	34:25	1.07	992.121	16.477	-	n
13C-OCDD	429298	1.02 y	37:54	0.53	59.784	3.039	↓ 15.1	y
OCDF	39340300	0.87 y	38:01	1.45	25109.793	18.905	-	n

See 03225

G

G

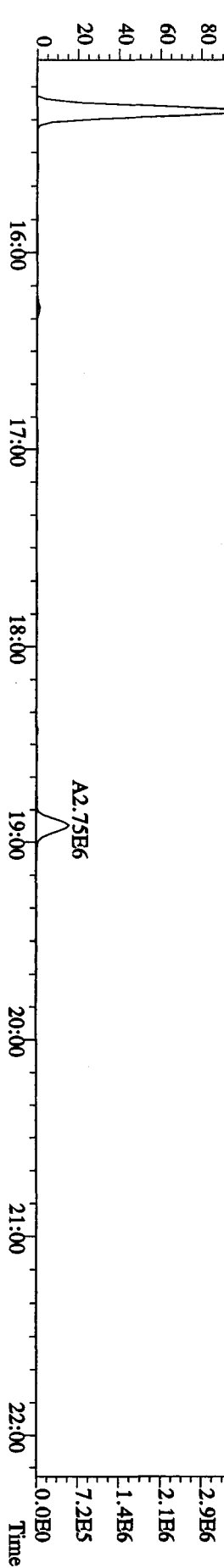
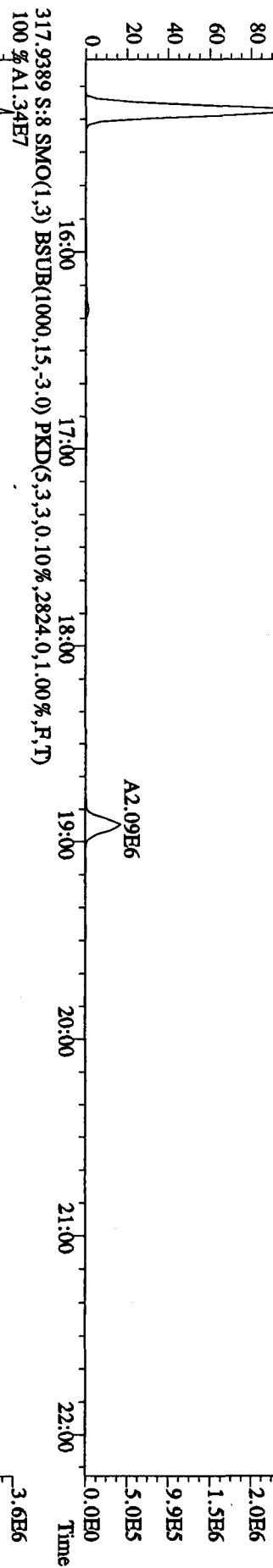
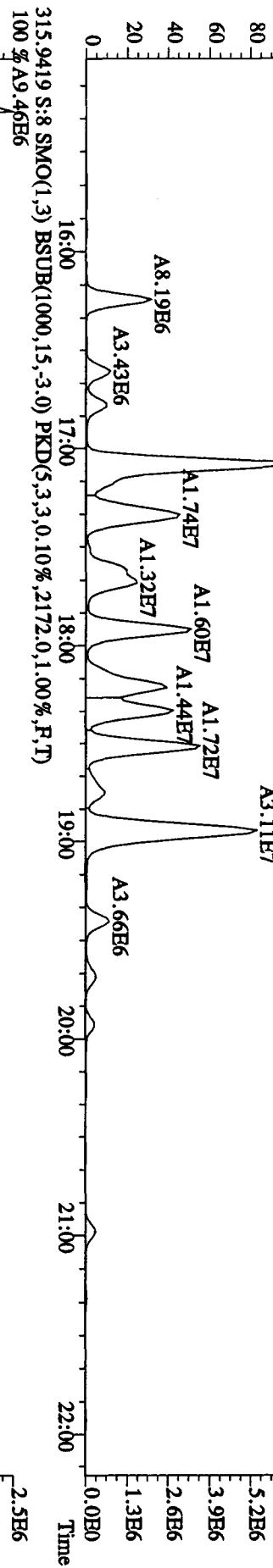
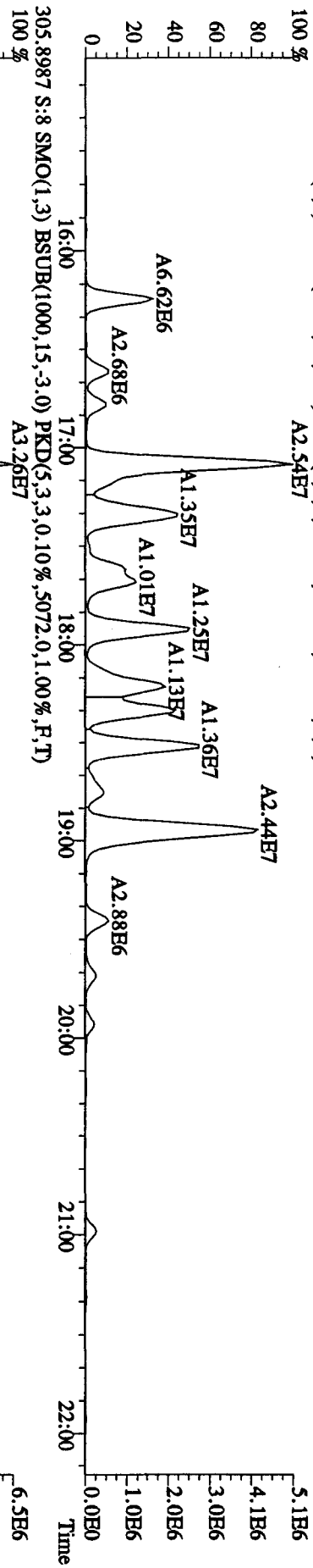
OCDD 1426958 0.93 y 37:55 1.17 1128.754 / 40.823 - n

Run text: LXTAR-1-AD Sample text: LXTAR-1-AD :G0D100464-1S [20X]
 Run #13 Filename: 30AP104D5 S: 8 I: 1 Results: 30AP104D58290A
 Acquired: 30-APR-10 13:26:36 Processed: 30-APR-10 14:30:47
 Run: 30AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.1000µg

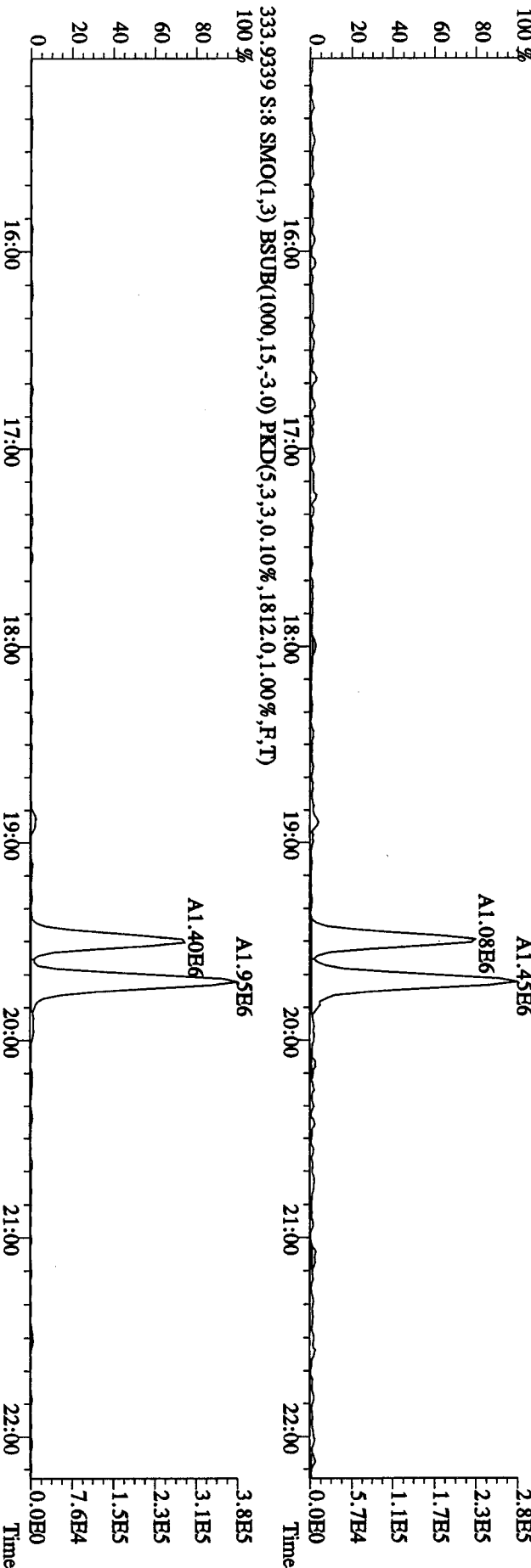
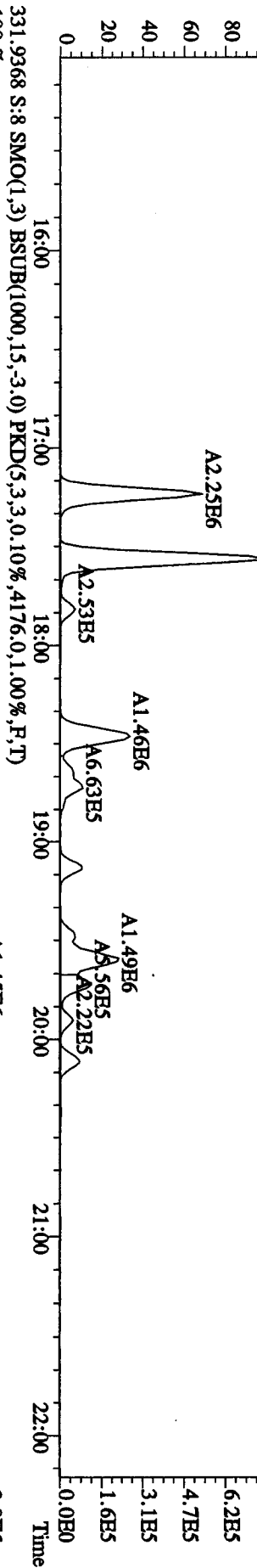
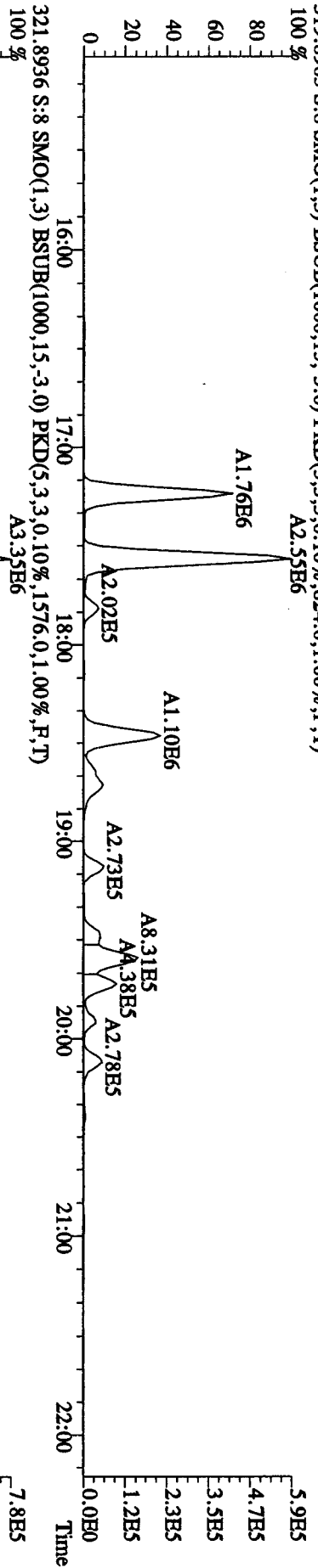
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	2472380	0.77 y	19:29	-	0.18	-	-	n
13C-2,3,7,8-TCDF	4840760	0.76 y	18:55	1.52	127.47	1.92	64.4	n
2,3,7,8-TCDF	55527300	0.79 y	18:57	0.95	2402.84	6.19	-	n
Total TCDF	330325203	0.99 n	15:43	0.95	14294.19 ^{see 013225}	6.19	-	n
13C-2,3,7,8-TCDD	3403630	0.75 y	19:42	0.95	143.52	3.69	72.5	n
2,3,7,8-TCDD	993734	0.79 y	19:43	1.02	56.62	2.11	-	n
Total TCDD	18755576	0.78 y	17:14	1.02	1068.72	2.11	-	n
37C1-2,3,7,8-TCDD	3857340	1.00 y	19:43	2.26	68.31	1.32	86.2	n
13C-1,2,3,7,8-PeCDF	2900380	1.53 y	24:34	1.05	110.58	2.15	55.8	n
1,2,3,7,8-PeCDF	34962400	1.56 y	24:35	1.04	2284.75	27.49	-	n
2,3,4,7,8-PeCDF	18709570	1.64 y	26:05	0.98	1300.59	29.24	-	n
Total F2 PeCDF	234763100	1.57 y	22:49	1.01	15784.98	28.34	-	n
Total F1 PeCDF	26488510	1.17 n	17:37	1.01	1784.46	5.73	-	n
13C-1,2,3,7,8-PeCDD	2352260	1.49 y	26:54	0.67	140.50	0.10	71.0	n
1,2,3,7,8-PeCDD	2619050	1.56 y	26:55	0.98	224.54	6.47	-	n
Total PeCDD	14314004	1.35 y	23:15	0.98	1227.18	6.47	-	n
13C-1,2,3,7,8,9-HxCDD	1337955	1.33 y	33:05	-	0.13	-	-	n
13C-1,2,3,4,7,8-HxCDF	1542561	0.57 y	31:55	1.02	111.38	5.78	56.2	n
1,2,3,4,7,8-HxCDF	50161600	1.24 y	31:56	1.21	5310.23	49.49	-	n
1,2,3,6,7,8-HxCDF	33458100	1.15 y	32:03	1.34	3198.60	44.69	-	n
2,3,4,6,7,8-HxCDF	17560920	1.24 y	32:33	1.22	1844.36	49.10	-	n
1,2,3,7,8,9-HxCDF	12594740	1.22 y	33:20	1.09	1479.95	54.93	-	n
Total HxCDF	198630830	1.24 y	30:33	1.22	20779.87	49.29	-	n
13C-1,2,3,6,7,8-HxCDD	1428530	1.28 y	32:49	0.81	130.98	9.84	66.1	n
1,2,3,4,7,8-HxCDD	1297305	1.42 y	32:45	1.01	178.62	7.59	-	n
1,2,3,6,7,8-HxCDD	2467810	1.12 y	32:50	1.11	307.10	6.86	-	n
1,2,3,7,8,9-HxCDD	2107396	1.19 y	33:06	1.21	241.62	6.32	-	n
Total HxCDD	11164325	0.99 n	31:23	1.11	1388.25	6.89	-	n
13C-1,2,3,4,6,7,8-HpCDF	513883	0.41 y	34:35	0.86	44.09	4.51	↓ 22.3	n
1,2,3,4,6,7,8-HpCDF	36629200	0.94 y	34:36	1.31	10777.23	42.02	-	n
1,2,3,4,7,8,9-HpCDF	19905810	0.93 y	35:44	1.03	7478.80	53.66	-	n
Total HpCDF	75672780	0.94 y	34:36	1.17	24571.71	47.13	-	n
13C-1,2,3,4,6,7,8-HpCDD	591475	1.17 y	35:24	0.70	62.75	8.36	↓ 31.7	n
1,2,3,4,6,7,8-HpCDD	2367860	0.96 y	35:25	1.07	739.59	16.48	-	n
Total HpCDD	3176348	0.22 n	34:25	1.07	992.12	16.48	-	n
13C-OCDD	398726	1.13 (n)	37:54	0.53	55.53	3.04	↓ 14.0	n

OCDF	39340300	0.87	y	38:01	1.45	27035.08	21.19	-	n
OCDD	1426958	0.93	y	37:55	1.17	1215.30	45.76	-	n

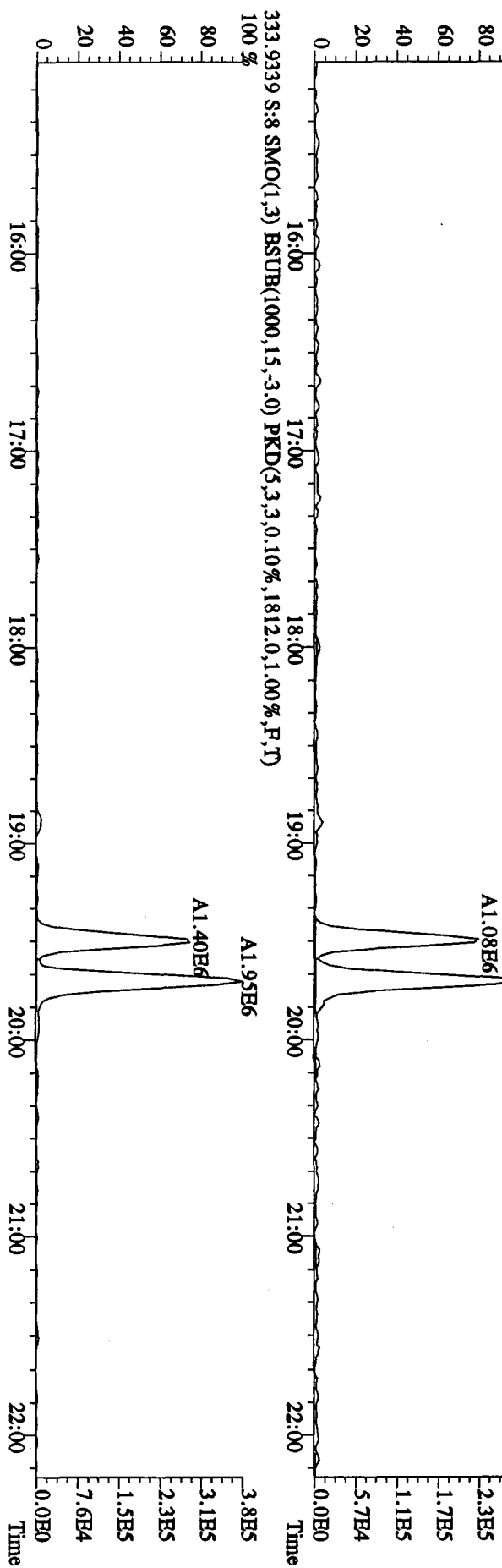
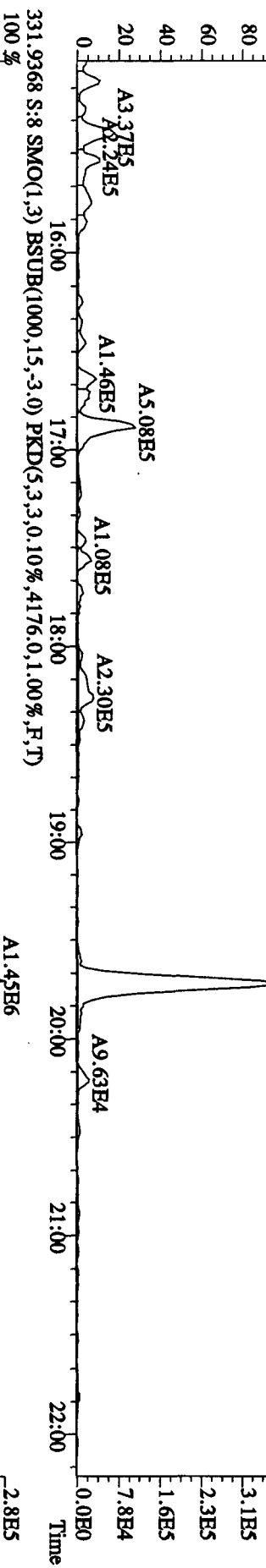
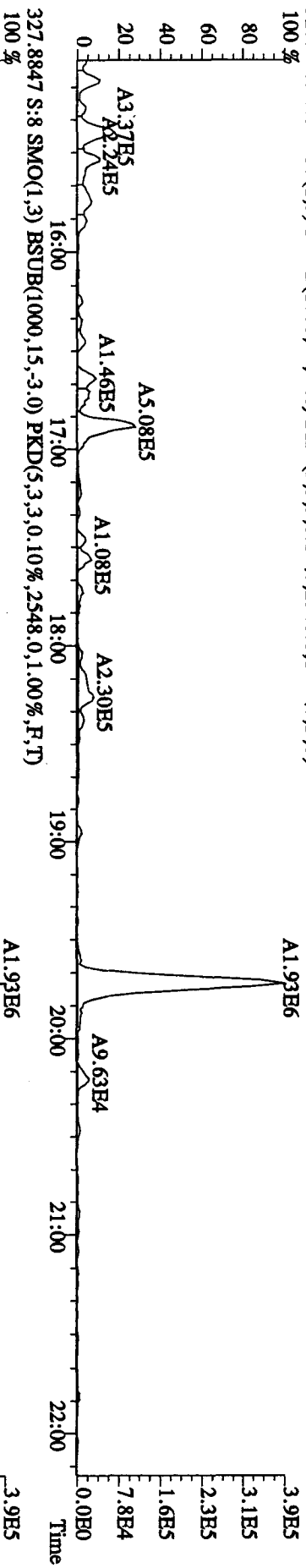
File:30ADP104D5 #1-434 Acq:30-APR-2010 13:26:36 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXTAR-1-AD :G0D100464-1S [20X] Exp:DIOXINRES8290A
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4780.0,1.00%,F,T)
 100 %

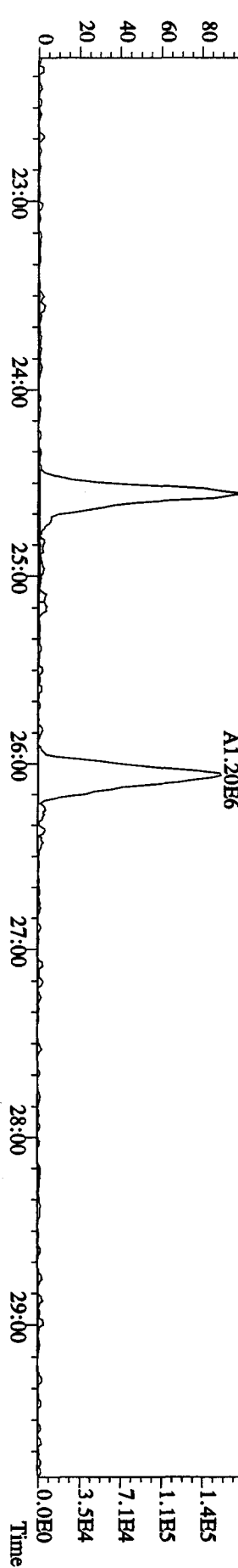
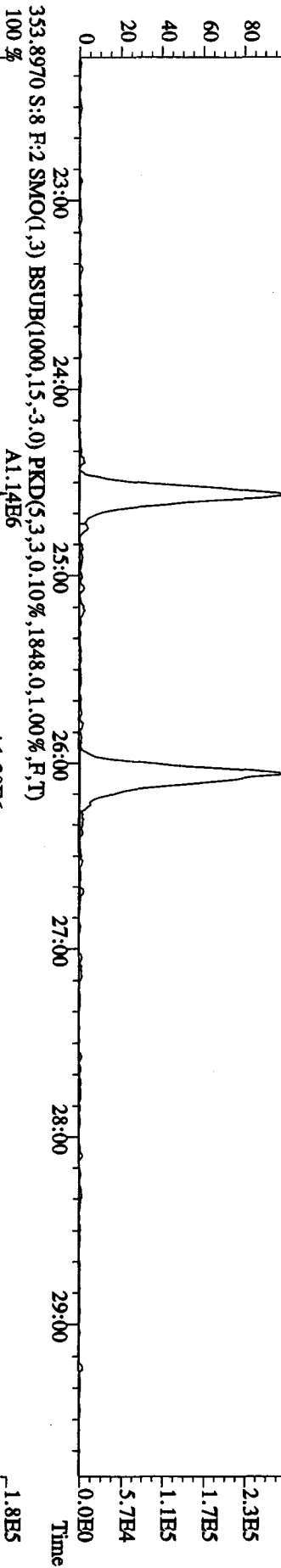
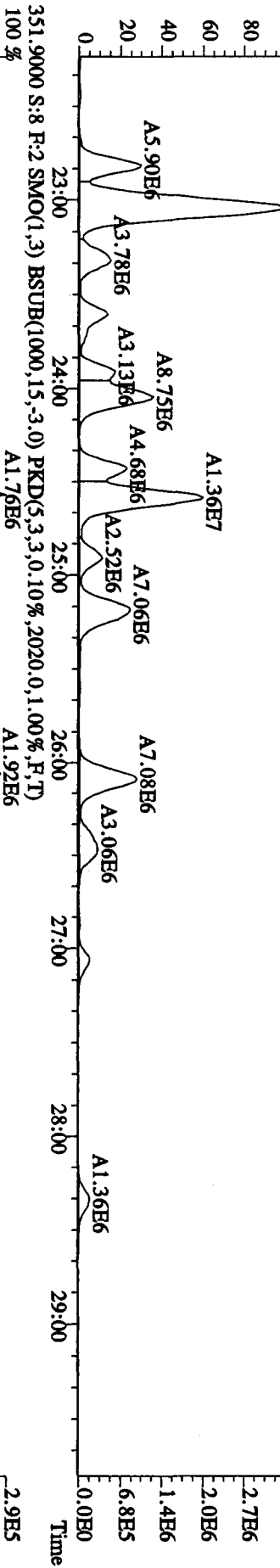
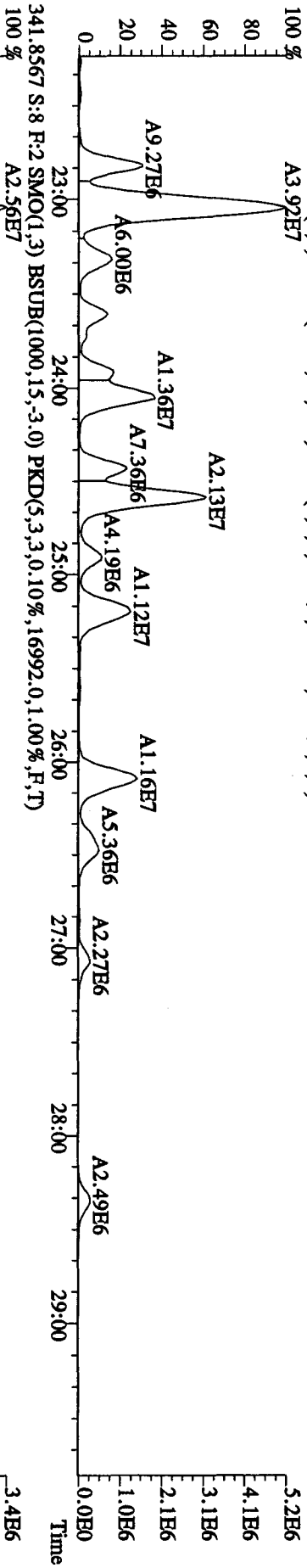


File:30AP104D5 #1-434 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text:LXTAR-1-AD :GOD100464-1S [20X] Exp:DIOXINRES8290A
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1812.0,1.00%,F,T)
 100 % A2.55E6

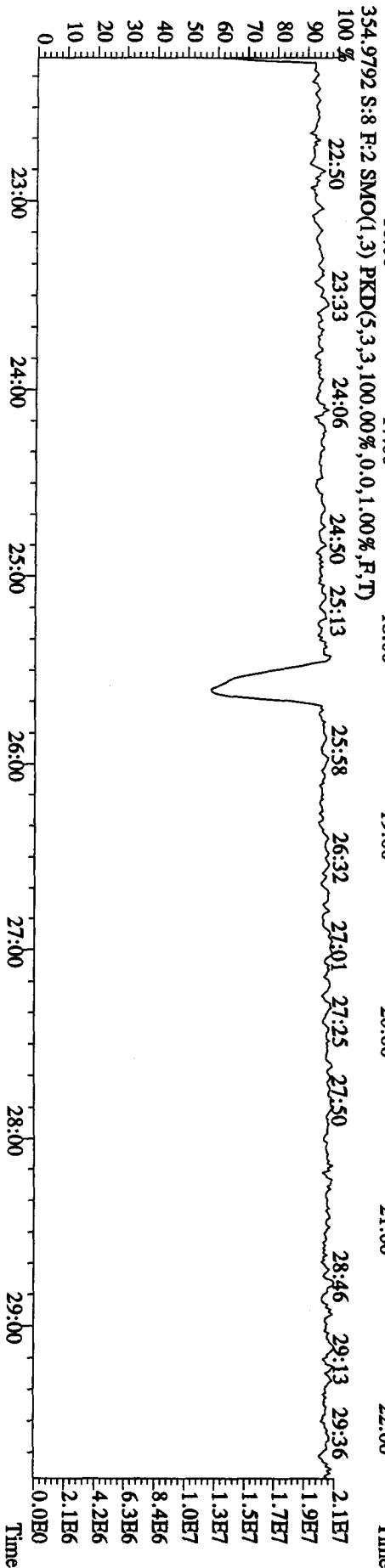
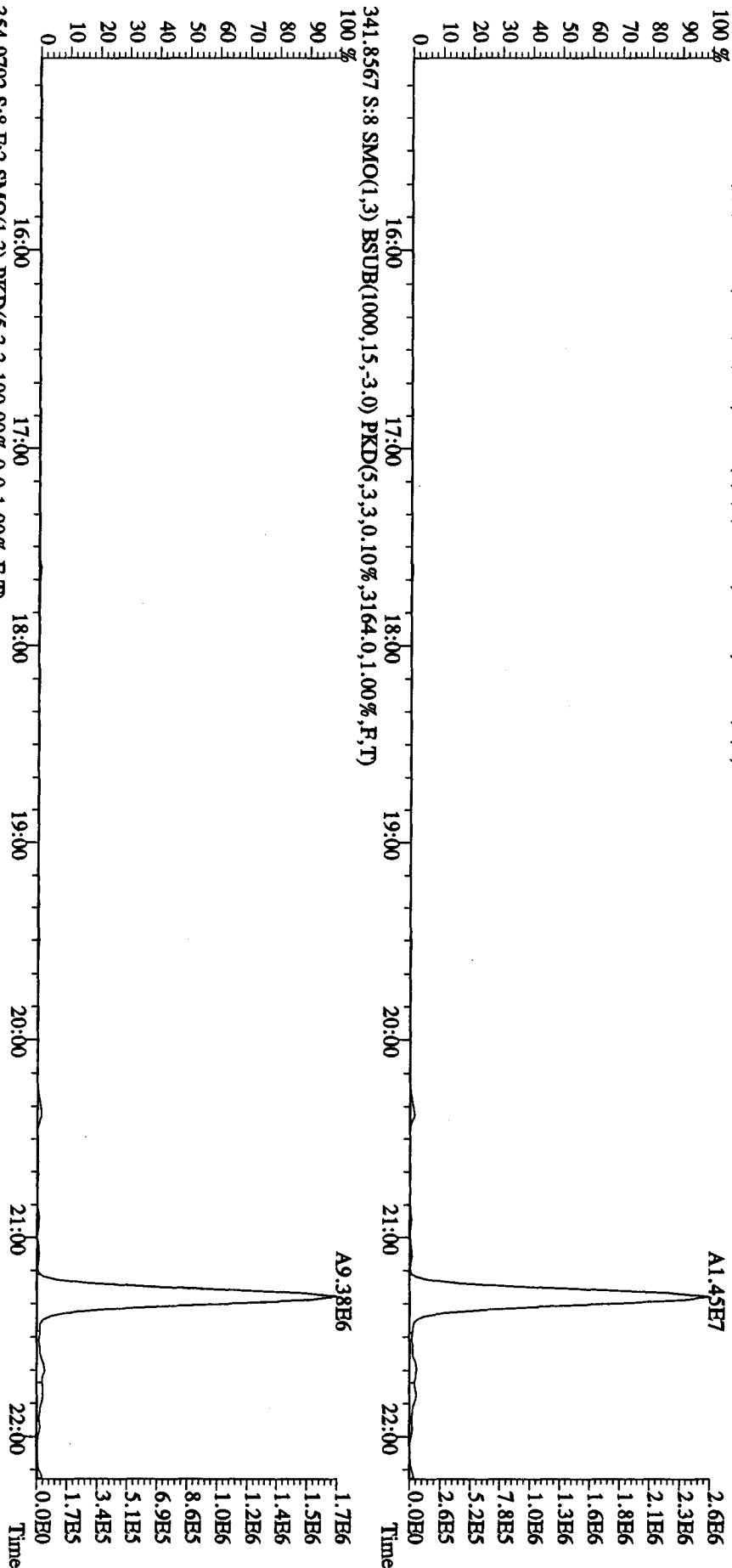


File:30API104D5 #1-434 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXTAR-1-AD :G0D100464-1S [20X] Exp:DIOXINRES8290A
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2548,0,1,00%,F,T)





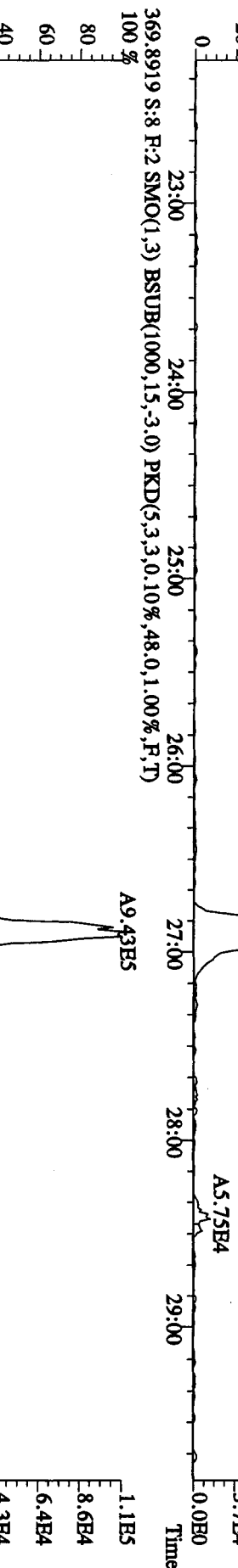
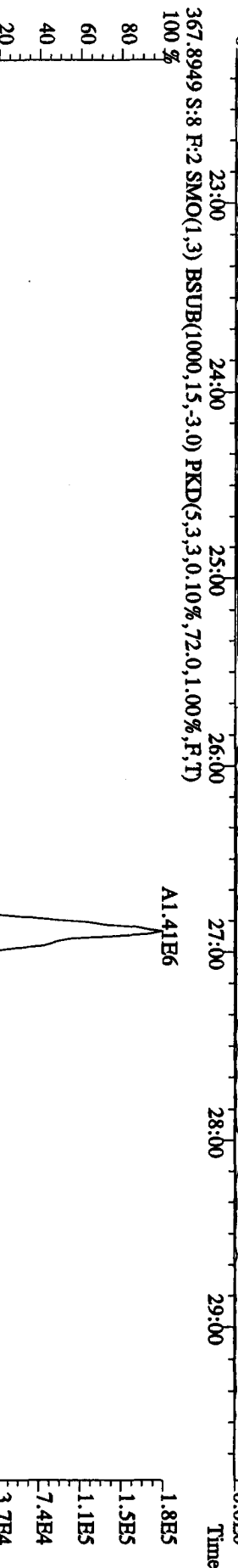
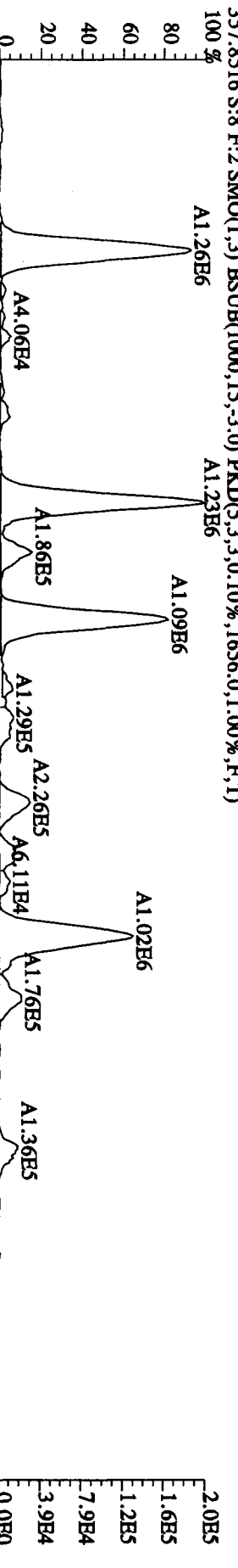
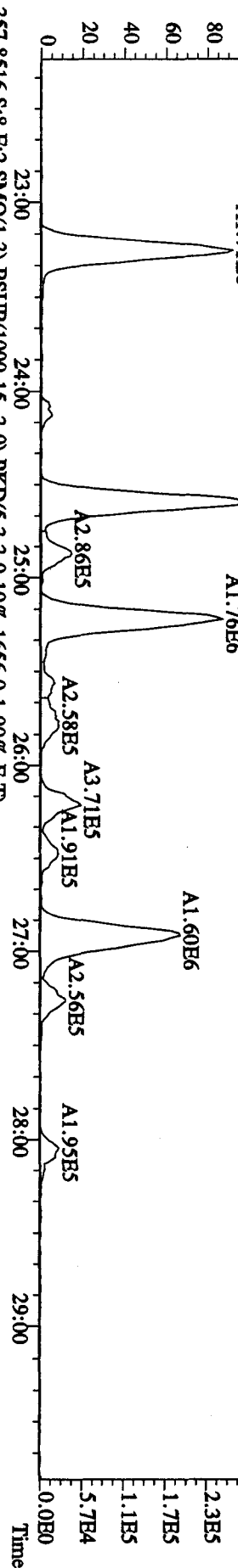
File:30AP104D5 #1-434 Acq:30-APR-2010 13:26:36 GC EI + Voltage SIR Autospec-UltimaB
 Sample#8 Text:LXTAR-1-AD :G0D100464-1S [20X] Exp:DIOXINRES8290A
 339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



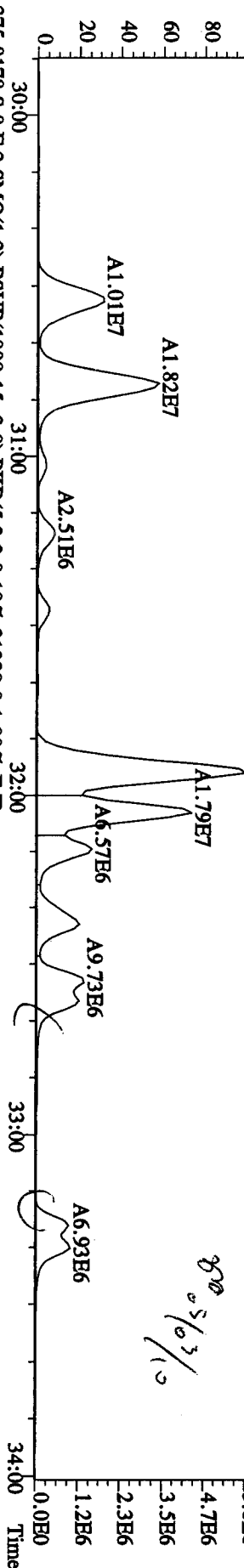
File:30AP104D5 #1-604 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaB

Sample#8 Text:LXTAR-1-AD :GOD100464-1S [20X] Exp:DIOXINRES8290A

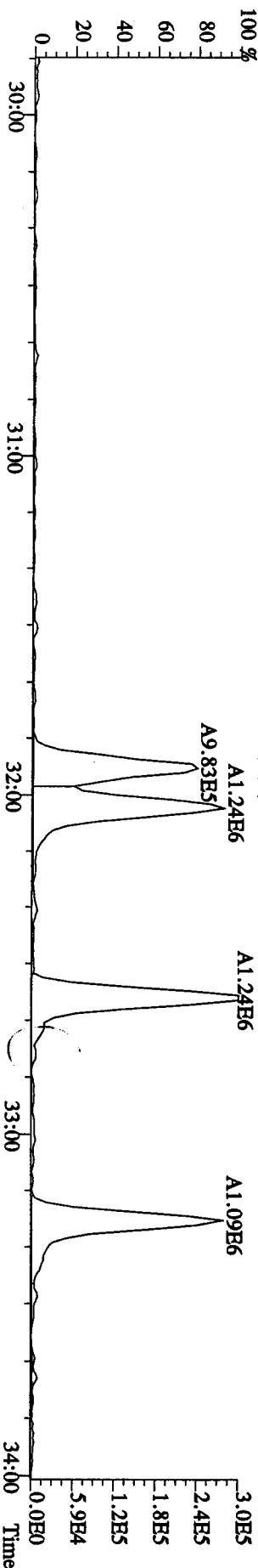
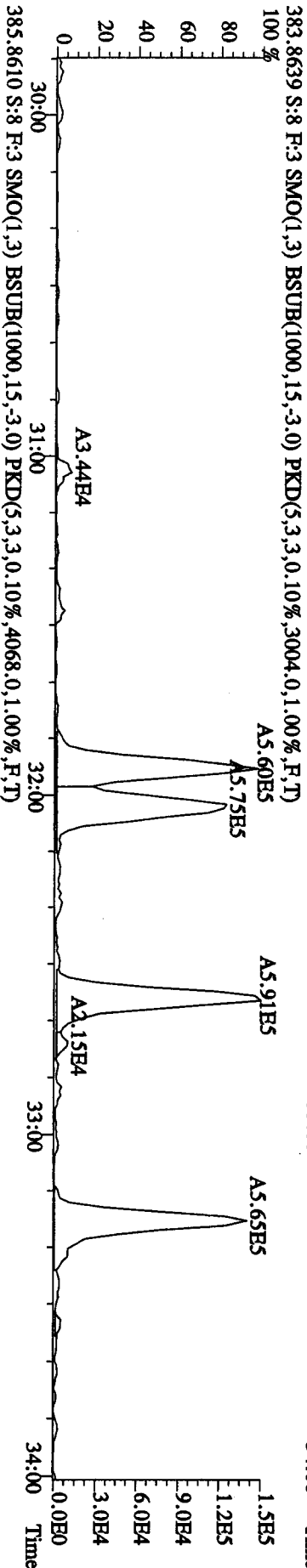
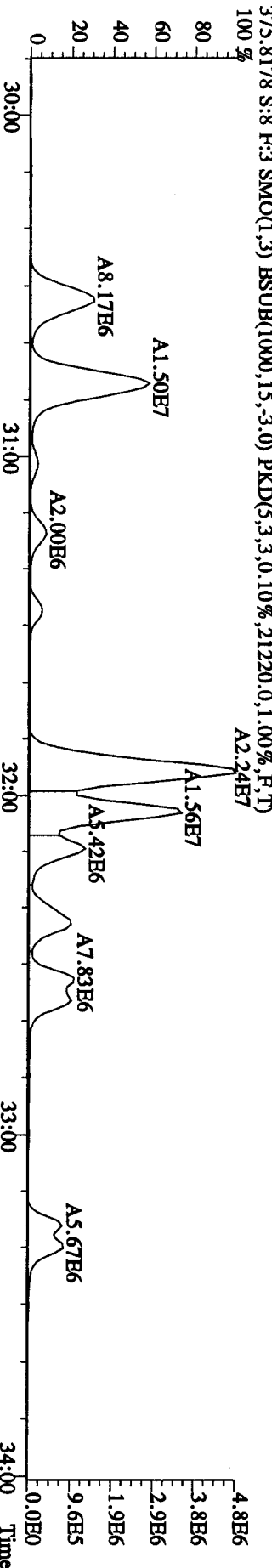
355.8546 S:8 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1408,0,1,00%,F,T)



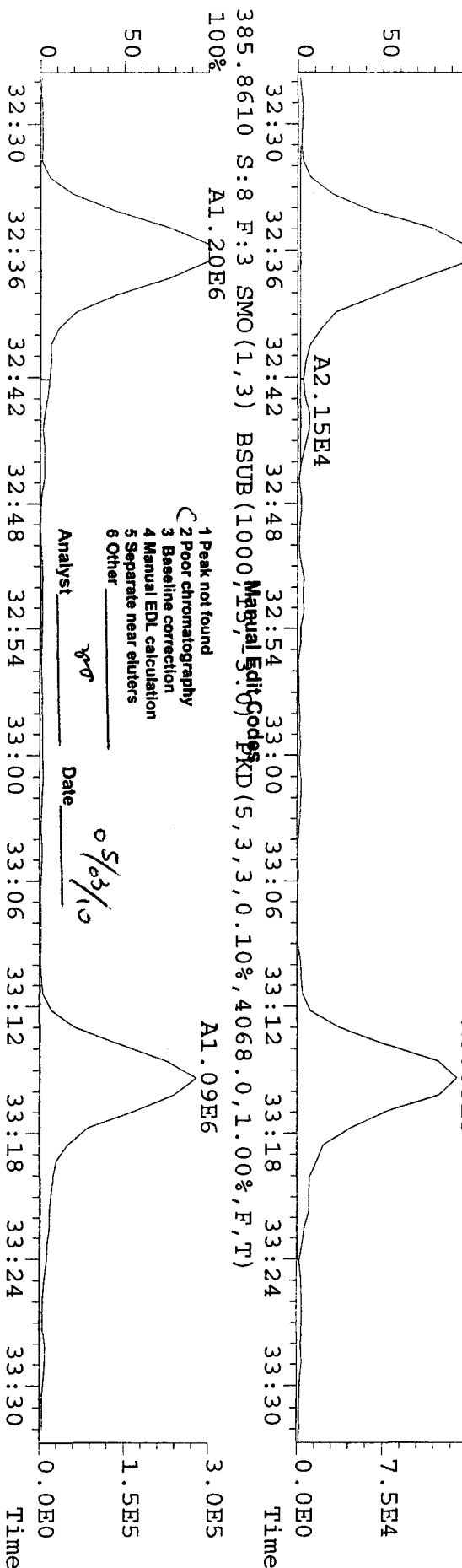
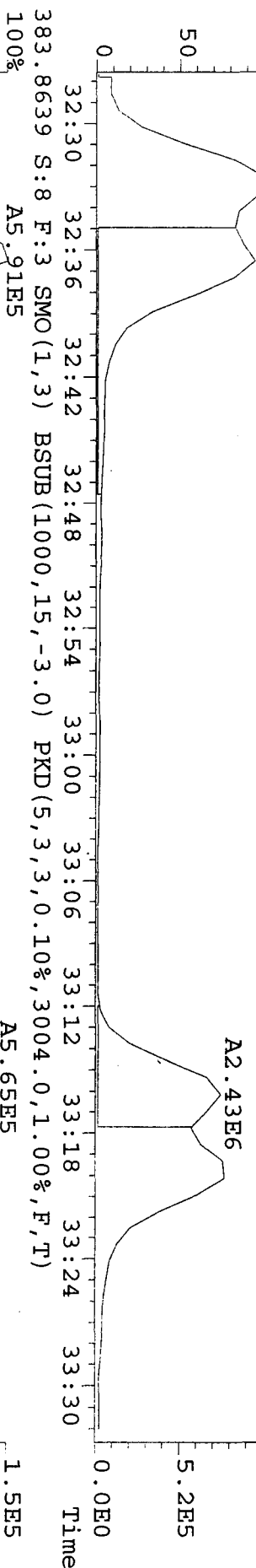
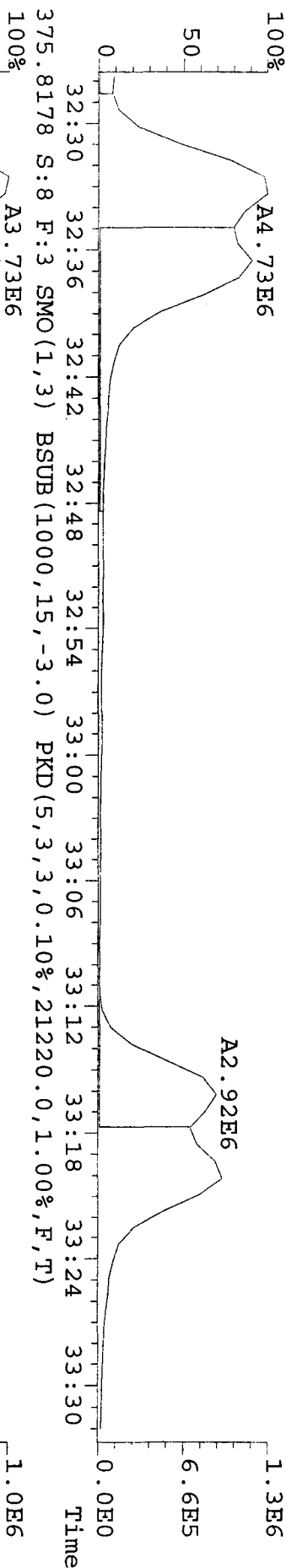
File:30ADP104D5 #1-317 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXTAR-1-AD :G0DD100464-1S [20X] Exp:DIOXINRES8290A
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,17784,0,1,00%,F,T)
 100 %



Handwritten note: 2005/03/10



File: 30AP104D5 #1-317 Acq: 30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text: LXTAR-1-AD : GOD100464-1S Exp: DIOXINRES8290A
 373.8208 S: 8 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17784.0,1.00%,F,T)

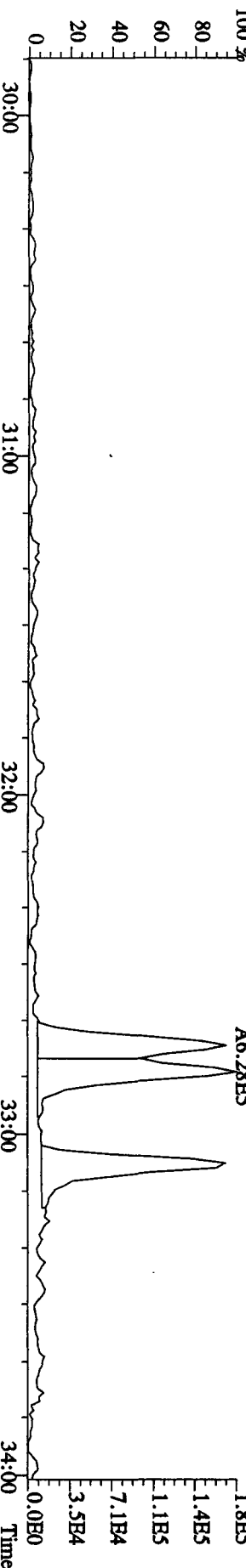
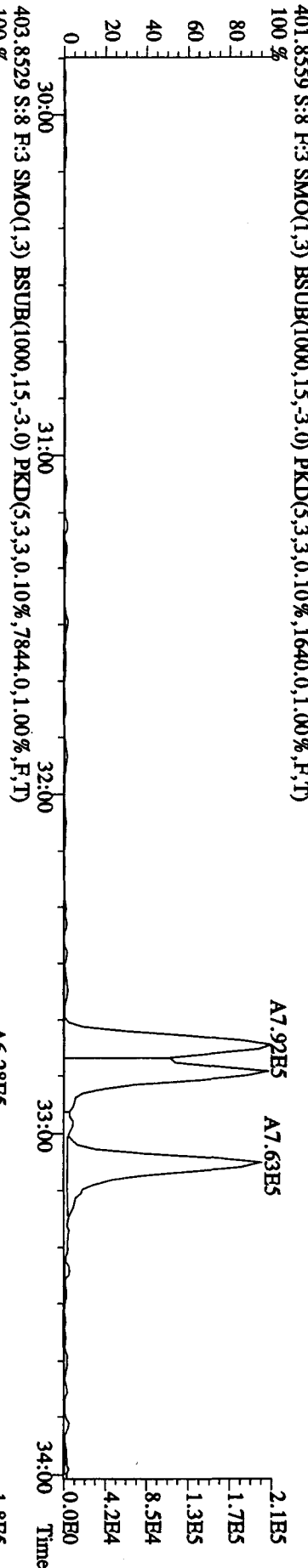
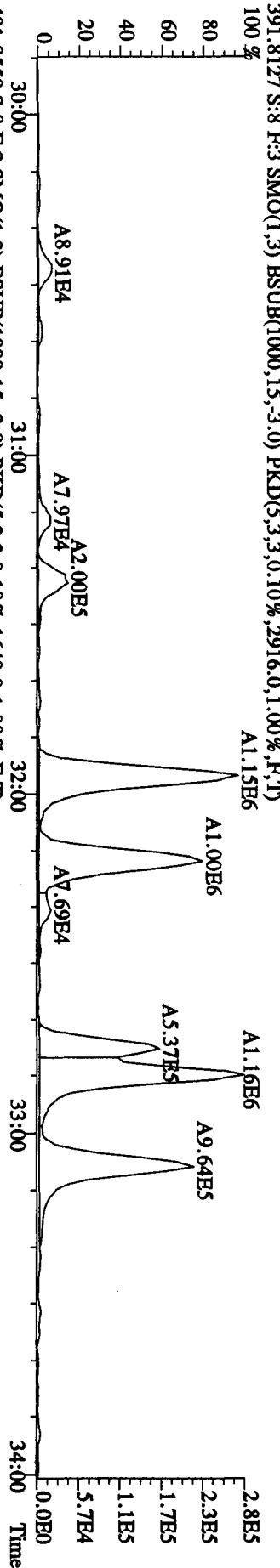
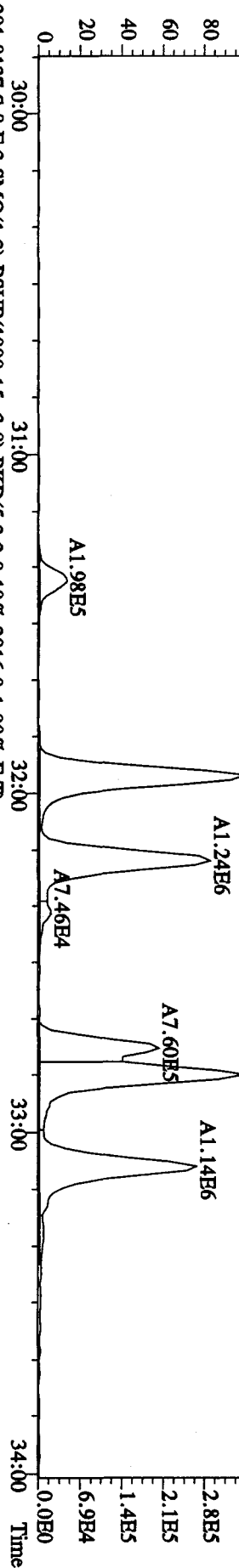


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

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Date 05/03/10

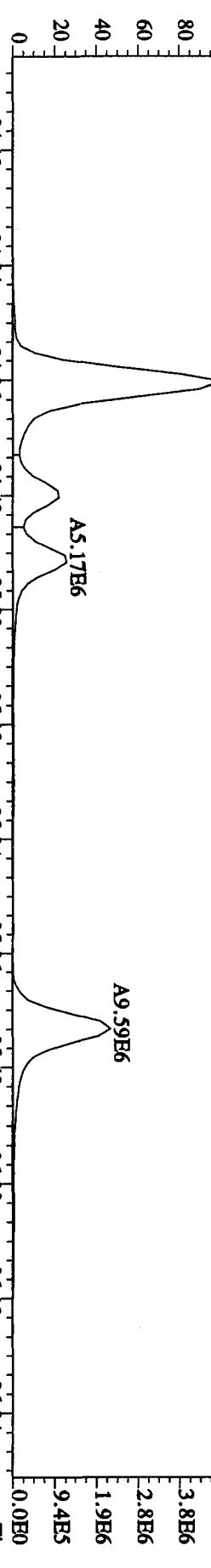
File:30AP104D5 #1-317 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text:LXTAR-1-AD :G0D100464-1S [20X] Exp:DIOXINRES6290A
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1952.0,1.00%,F,T)



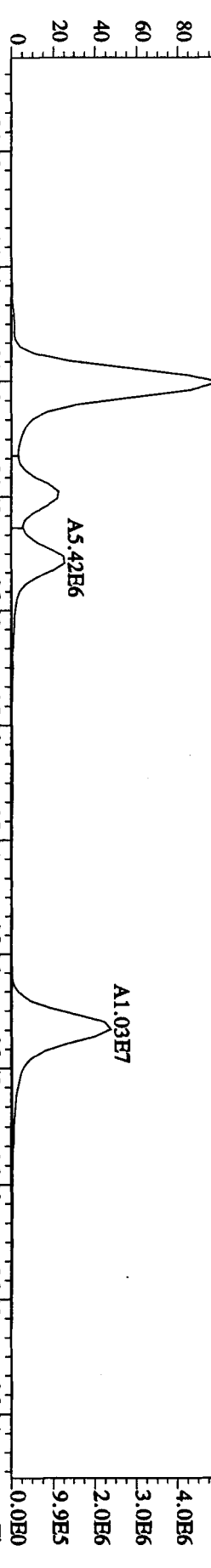
File:30AP104D5 #1-198 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaB

Sample#8 Text:LXTAR-1-AD :GDD100464-1S [20X] Exp:DIOXINRES8290A

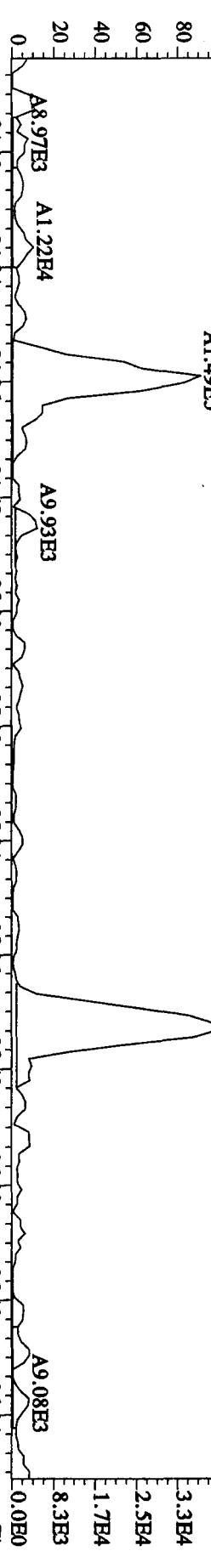
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)



409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7468.0,1.00%,F,T)



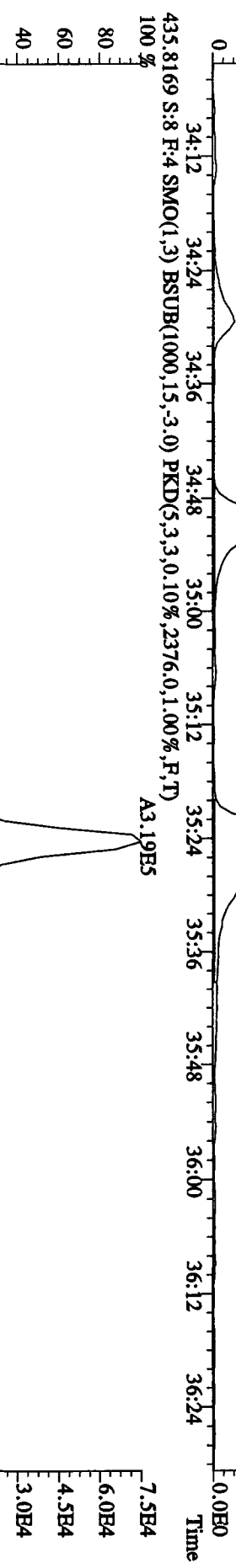
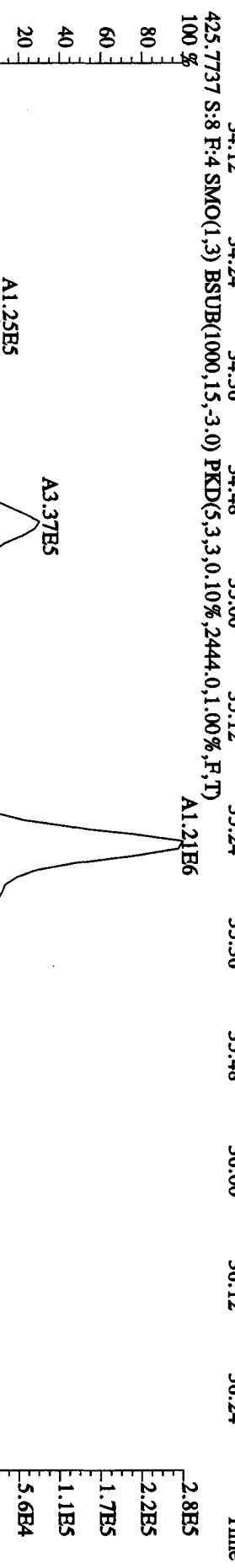
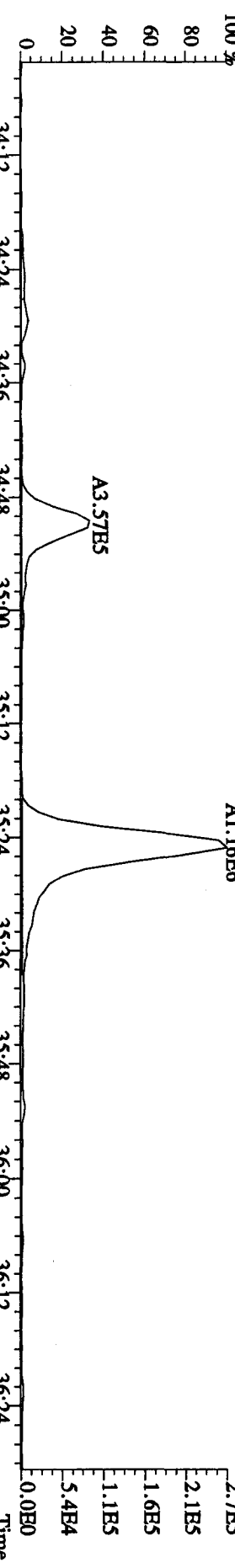
417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1700.0,1.00%,F,T)



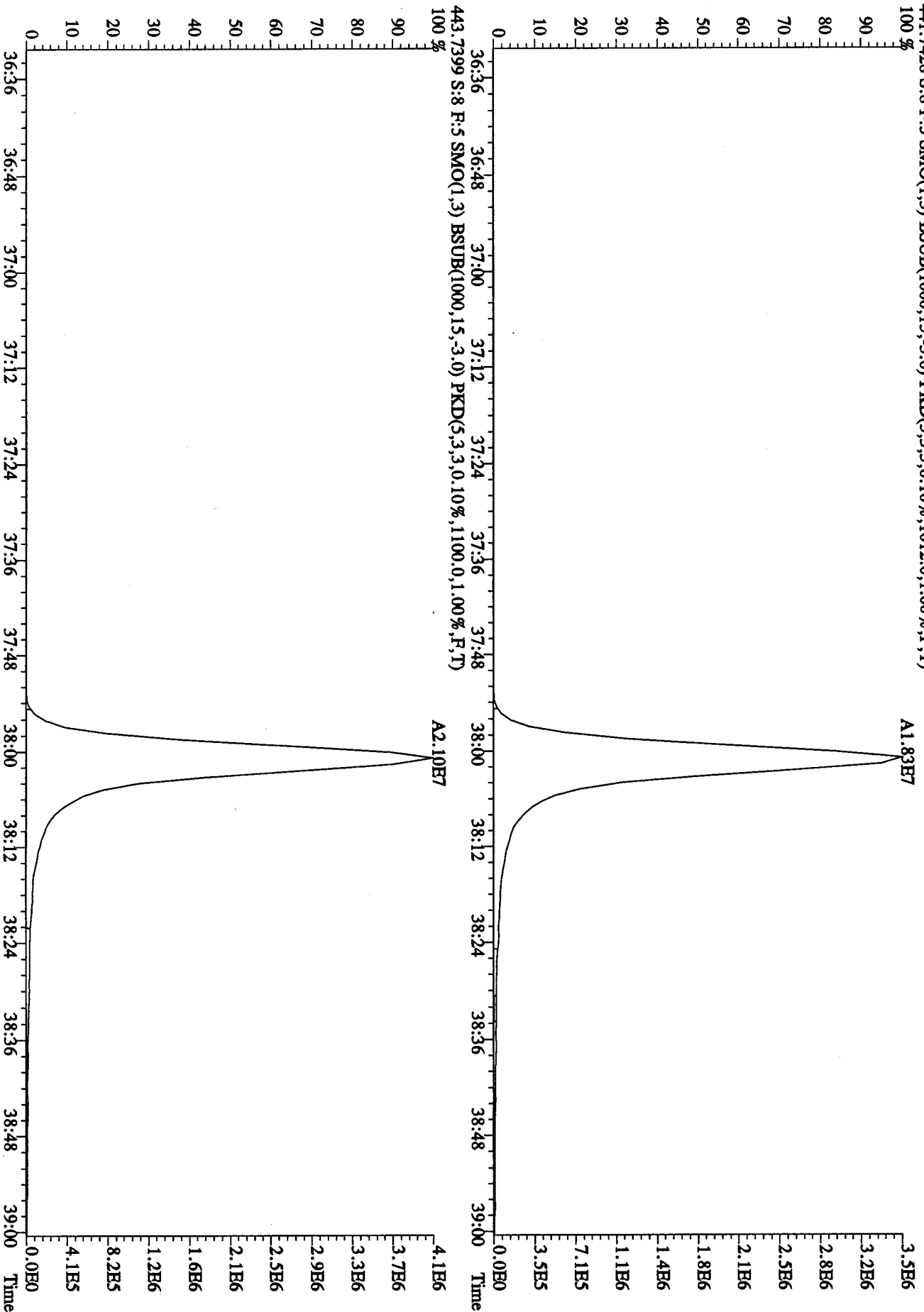
419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)



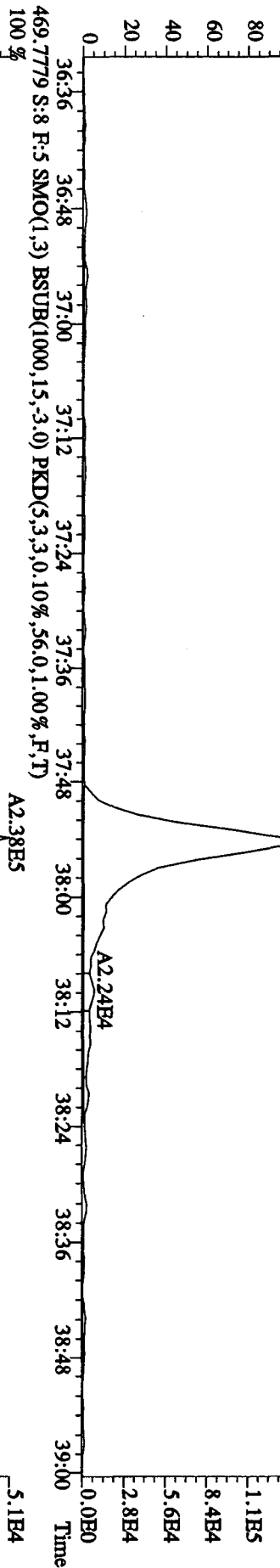
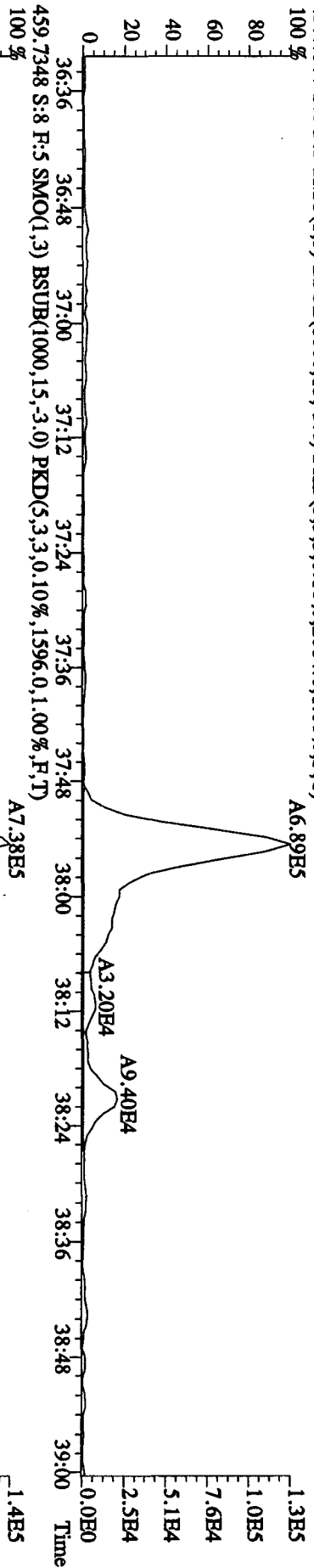
File:30AP104D5 #1-198 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UtimaE
 Sample#8 Text:LXTAR-1-AD :GOD100464-1S [20X] Exp:DIOXINRES8290A
 423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1752.0,1.00%,F,T)



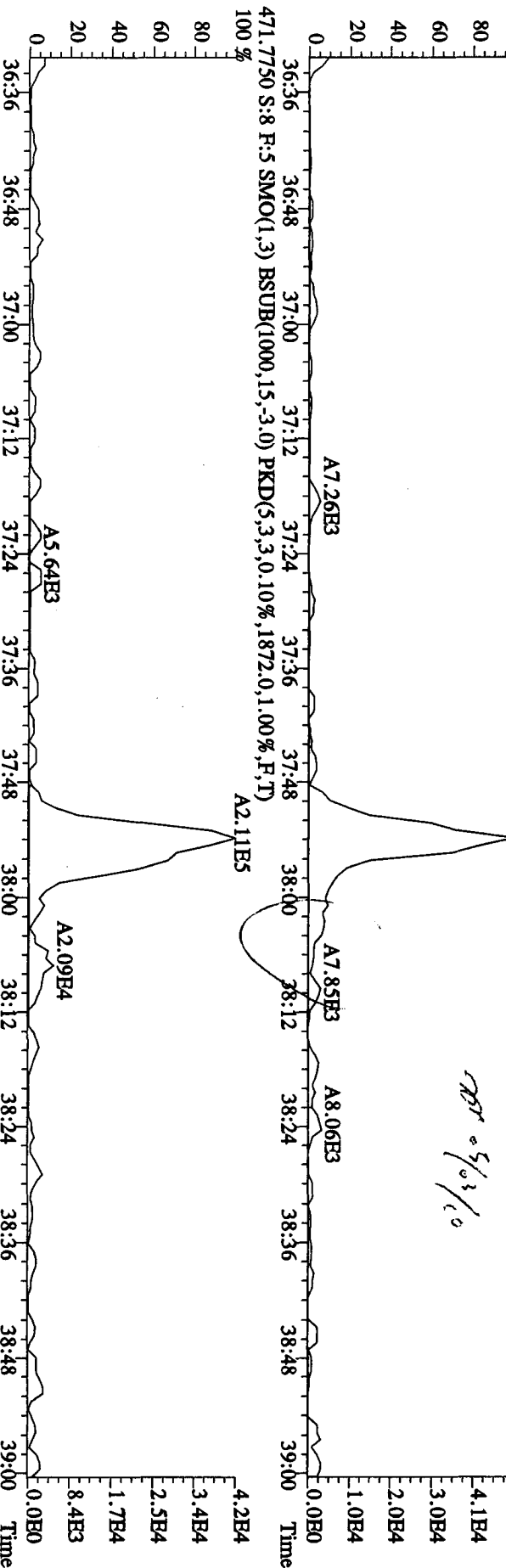
File:30AD104D5 #1-190 Acq:30-APR-2010 13:26:36 GC HI+ Voltage SIR Autospec-Ultimate
Sample#8 Text:LXTAR-1-AD :G0D100464-1S [20X] Exp:DIOXINRES8290A
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1012,0,1,100%,F,T)
100 %



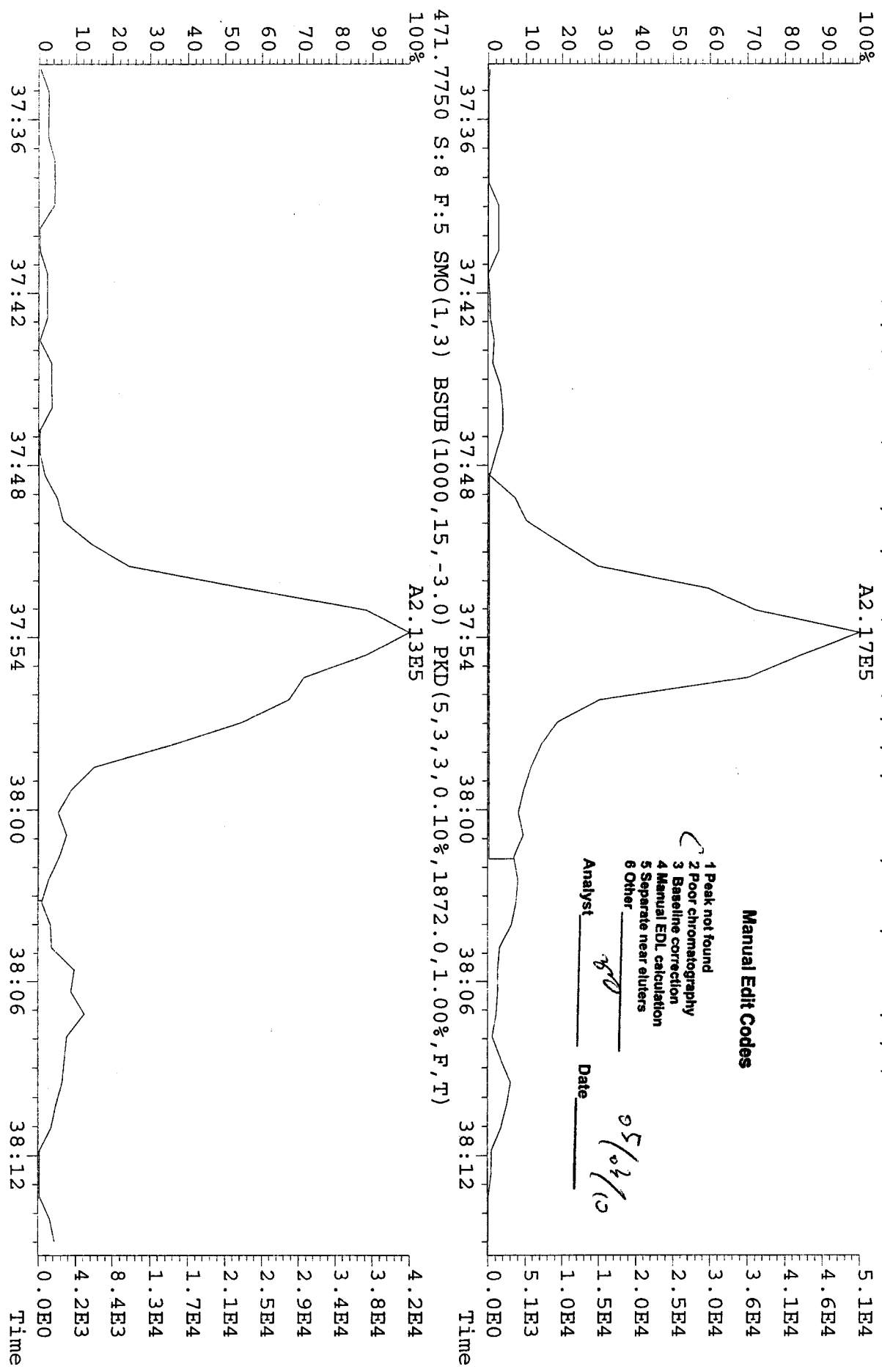
File:30AP104D5 #1-190 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:LXTAR-1-AD :GDD100464-1S [20X] Exp:DIOXINRES8290A
 457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2084,0,1,00%,F,T)
 100 %



Handwritten note: 2/3/10



File: 30API04D5 #1-190 Acq: 30-APR-2010 13:26:36 GC FI+ Voltage SIR Autospec-UltimaE
 Sample# 8 Text: LXTAR-1-AD : GOD100464-1S Exp: DIOXINRES82290A
 469.7779 S: 8 F: 5 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(5, 3, 3, 0.10%, 56.0, 1.00%, F, T)



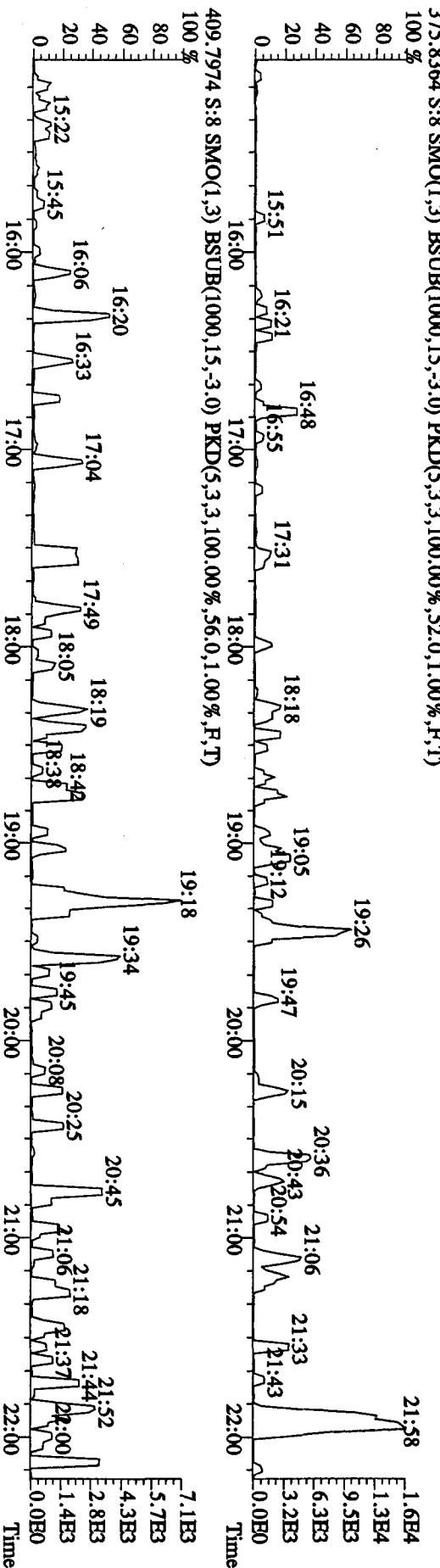
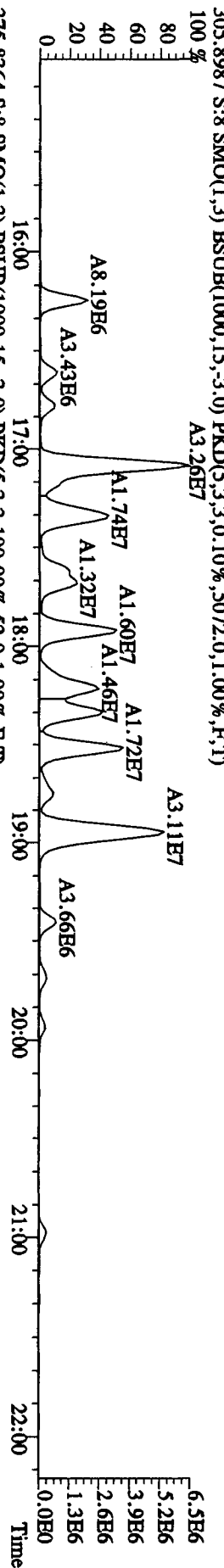
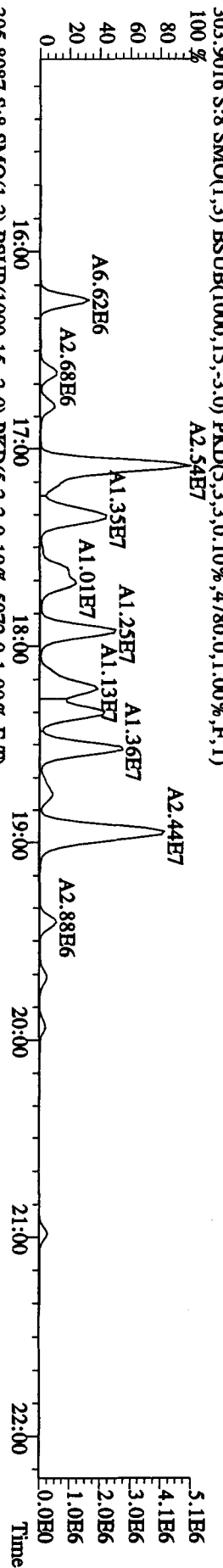
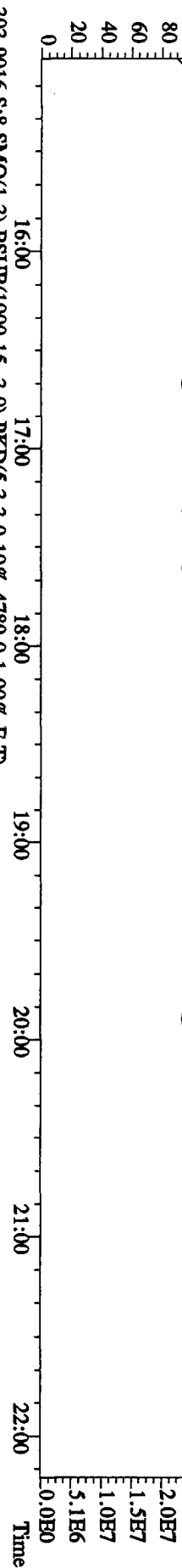
Manual Edit Codes

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

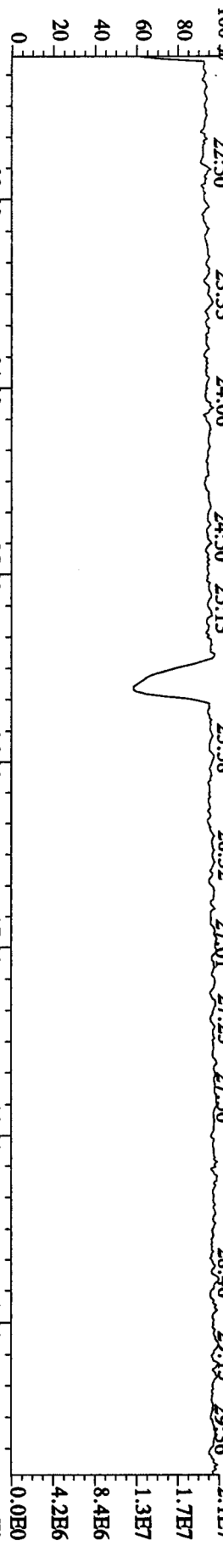
Analyst gdl

Date 05/02/10

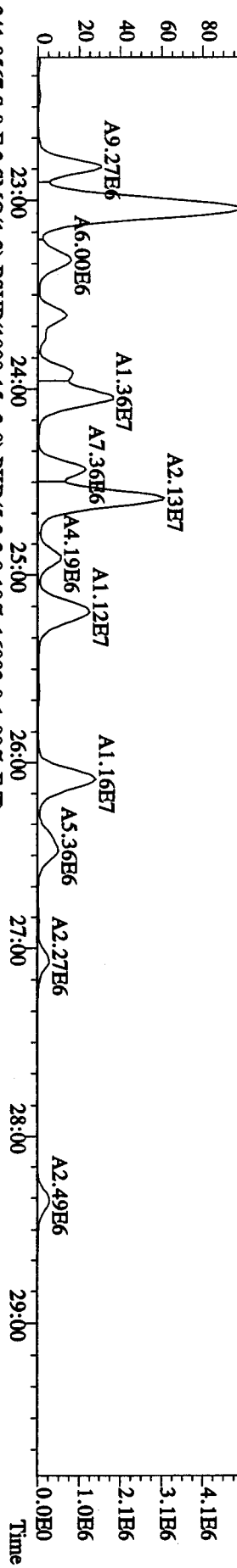
File:30APl04D5 #1-434 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text:LXTAR-1-AD :GOD100464-1S [20X] Exp:DIOXINRES8290A
 354.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:22 15:48 16:22 17:00 17:30 17:59 18:27 19:09 19:31 19:57 20:19 20:49 21:15 21:59



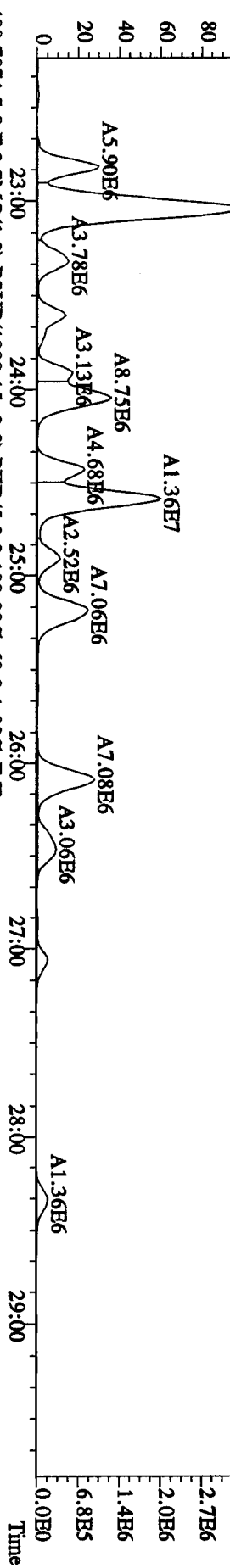
File:30AP104D5 #1-604 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXTAR-1-AD :G0D100464-1S [20X] Exp:DIOXINRES8290A
 354.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 22:50 23:33 24:06 24:50 25:13 25:58 26:32 27:01 27:25 27:50 28:46 29:13 29:36 2.1E7



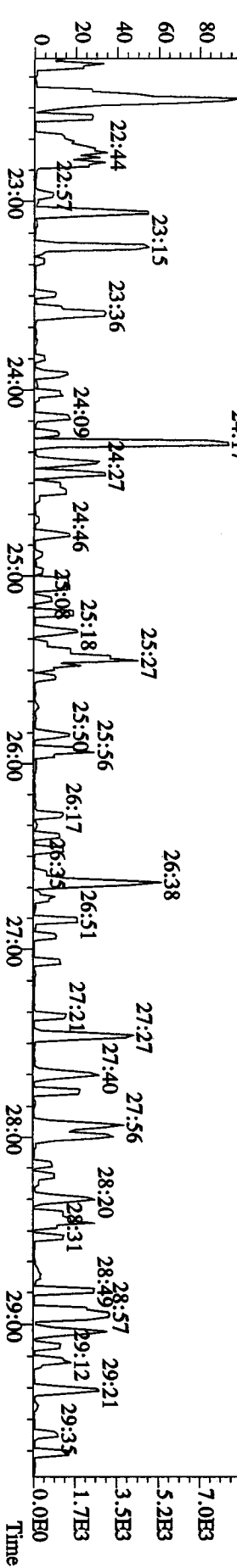
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5220.0,1.00%,F,T)
 100 % A3.92E7



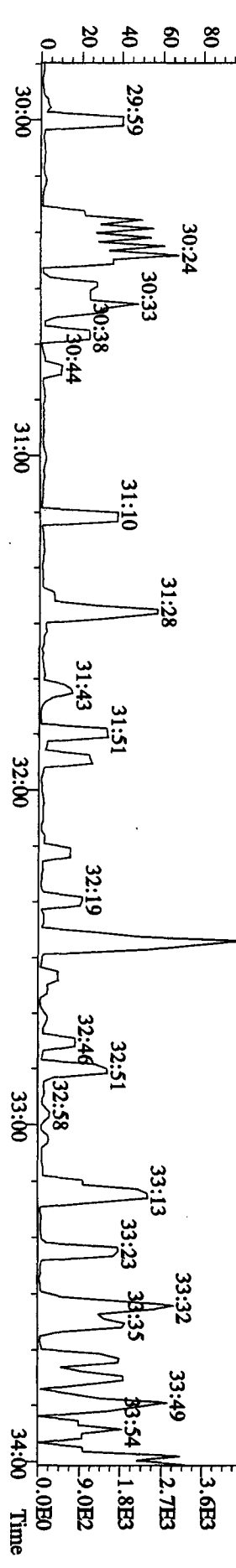
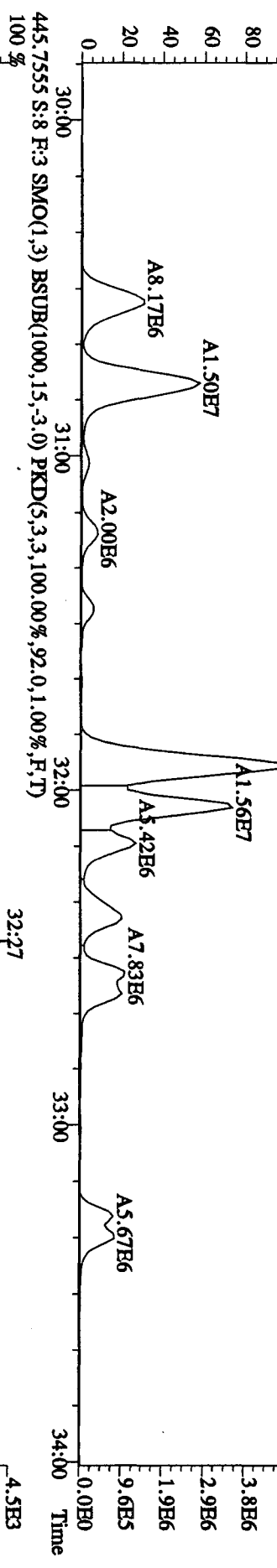
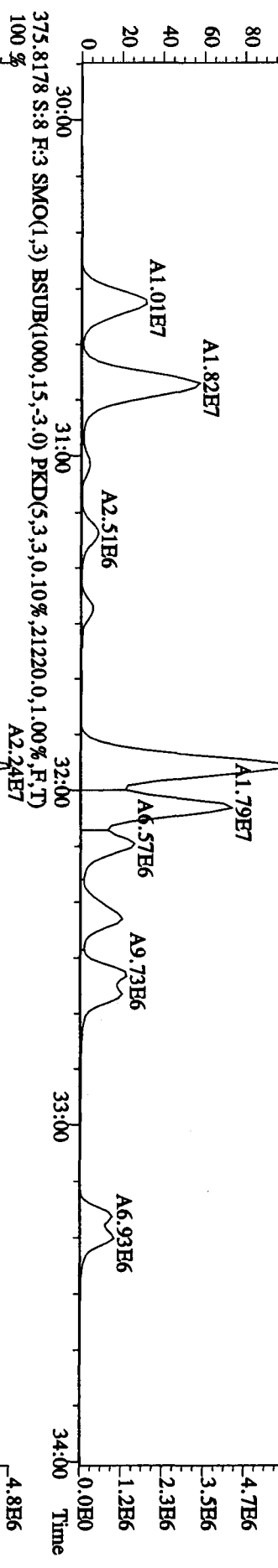
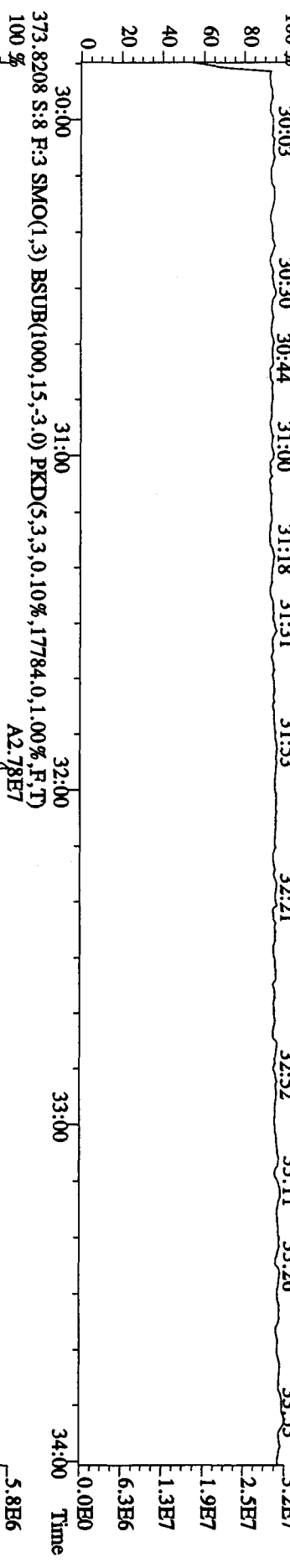
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16992.0,1.00%,F,T)
 100 % A2.56E7



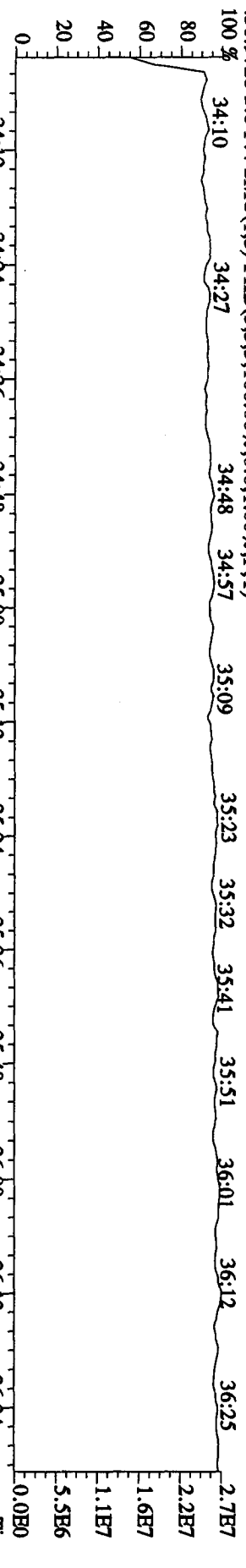
409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,60.0,1.00%,F,T)
 100 % 22:27



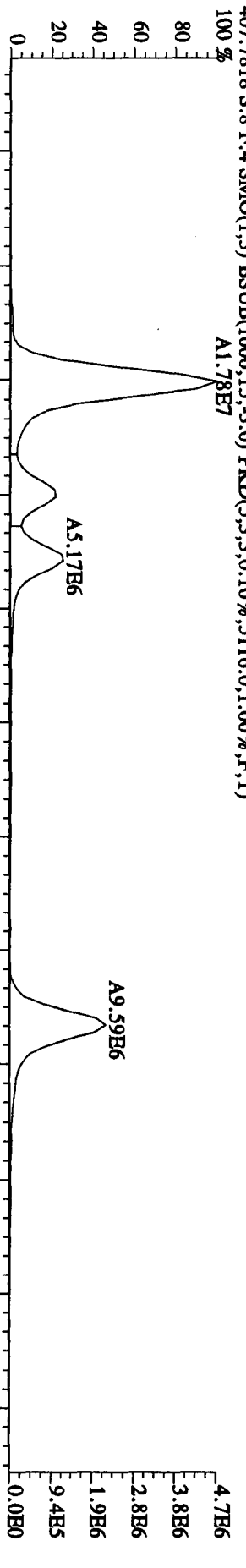
File:30AP104D5 #1-317 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXTAR-1-AD :G0D100464-1S [20X] Exp:DIOXINRES8290A
 430.9728 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



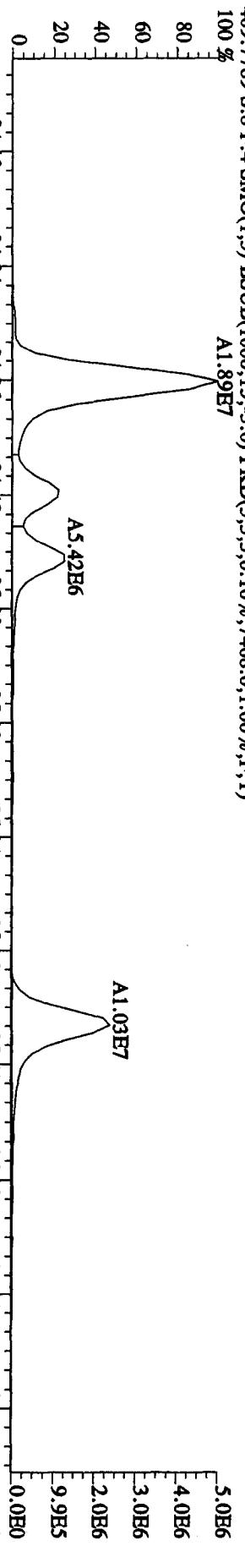
430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



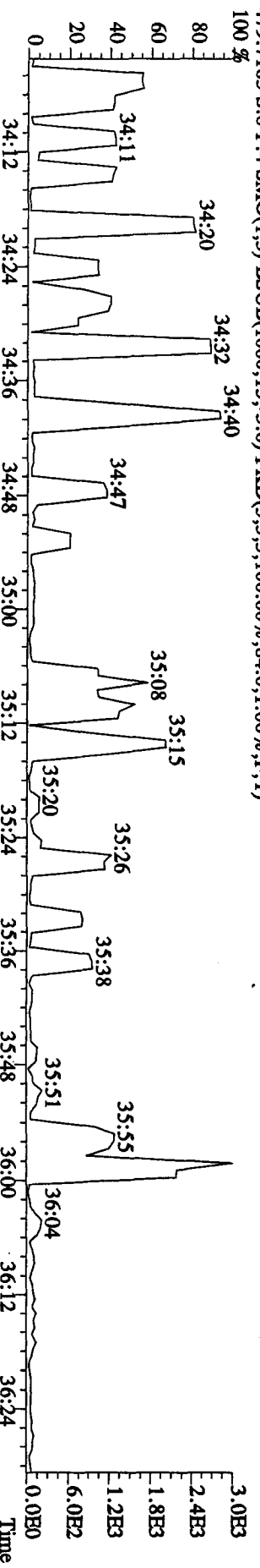
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)



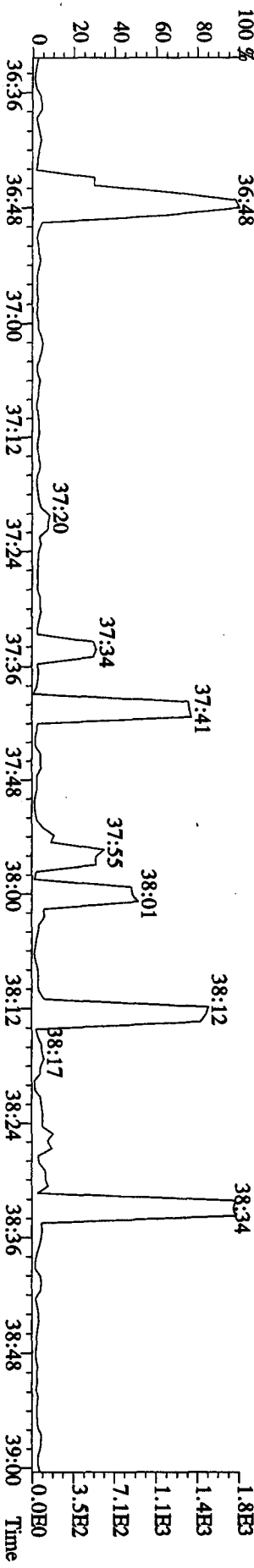
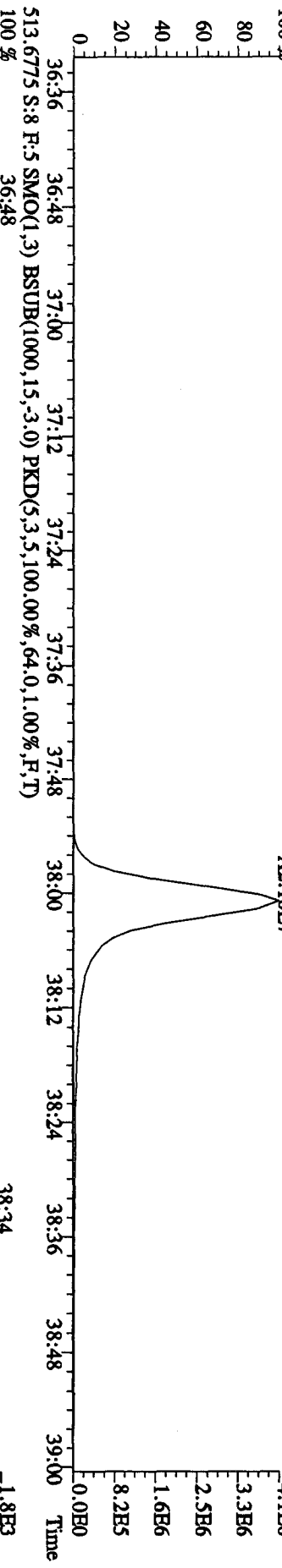
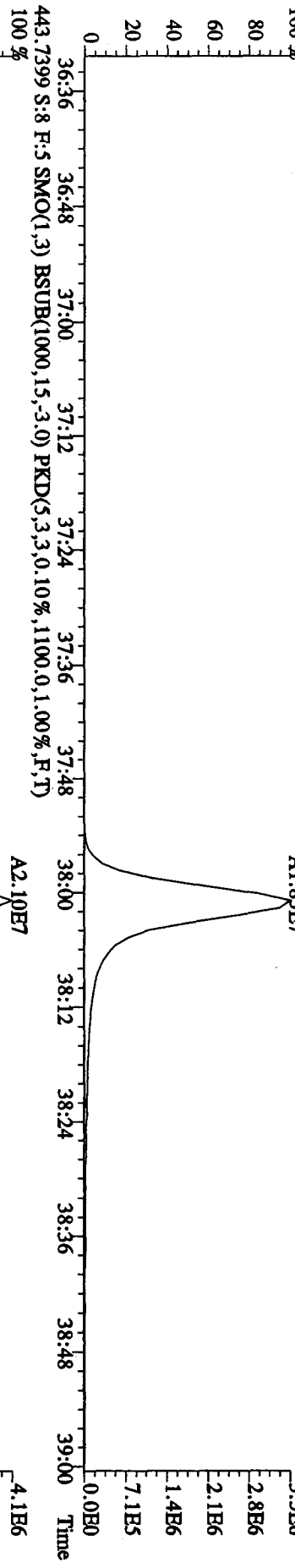
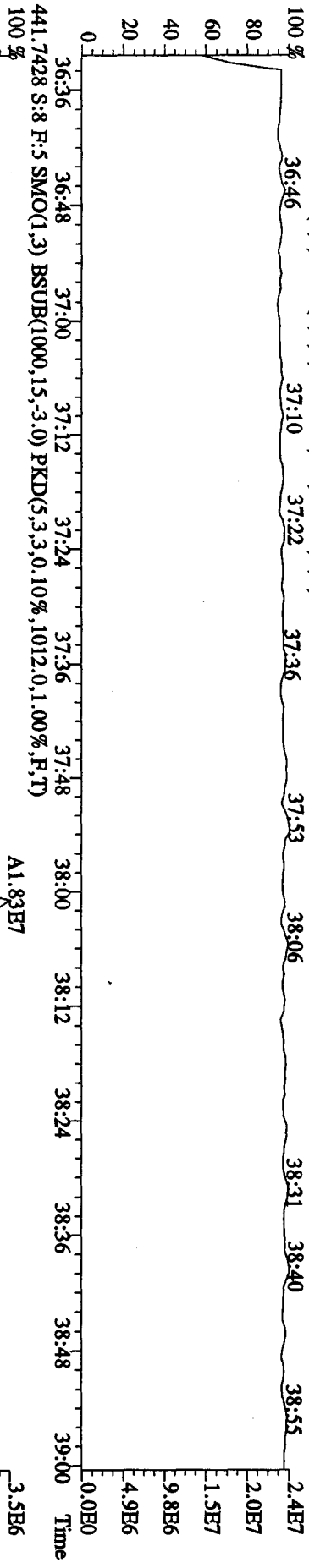
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7468.0,1.00%,F,T)



479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)



File:30AP104D5 #1-190 Acq:30-APR-2010 13:26:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text:LXTAR-1-AD :GDD100464-1S [20X] Exp:DIOXINRES8290A
 442.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



Run text: LXTAR-1-AE Sample text: LXTAR-1-AE :G0D100464-1D [20X]
 Run #14 Filename: 30AP104D5 S: 9 I: 1 Results: 30AP104D58290ASY
 Acquired: 30-APR-10 14:10:38 Processed: 30-APR-10 15:13:54
 Run: 30AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.05 g

305 05/03/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	3419510	0.75 y	19:30	-	0.256	-	-	n
13C-2,3,7,8-TCDF	6743690	0.87 y	18:55	1.52	129.037	2.780	64.8	n
2,3,7,8-TCDF	153823800	0.79 y	18:57	0.95	4801.894	7.208	-	n
Total TCDF	1088626030	0.88 y	15:44	0.95	33983.473	7.208	-	n
13C-2,3,7,8-TCDD	5020720	0.76 y	19:42	0.95	153.835	2.862	77.3	n
2,3,7,8-TCDD	2178911	0.82 y	19:43	1.02	84.587	1.865	-	n
Total TCDD	61489792	0.77 y	17:14	1.02	2387.082	1.865	-	n
37Cl-2,3,7,8-TCDD	4586780	1.00 y	19:43	2.26	59.023	2.376	74.1	n
13C-1,2,3,7,8-PeCDF	4221670	1.59 y	24:34	1.05	116.958	2.009	58.8	n
1,2,3,7,8-PeCDF	75697600	1.51 y	24:35	1.04	3415.438	44.979	-	n
2,3,4,7,8-PeCDF	40321200	1.51 y	26:05	0.98	1935.242	47.846	-	n
Total F2 PeCDF	555199949	1.26 n	22:26	1.01	25778.381	46.368	-	n
Total F1 PeCDF	75838050	1.18 n	17:37	1.01	3527.467	3.308	-	n
13C-1,2,3,7,8-PeCDD	3152250	1.58 y	26:53	0.67	136.808	0.092	68.7	n
1,2,3,7,8-PeCDD	4635970	1.54 y	26:55	0.98	298.062	7.520	-	n
Total PeCDD	32351750	1.43 y	23:15	0.98	2088.000	7.520	-	n
13C-1,2,3,7,8,9-HxCDD	1860424	1.34 y	33:05	-	0.180	-	-	y
13C-1,2,3,4,7,8-HxCDF	2232590	0.48 y	31:55	1.02	116.511	7.659	58.5	n
1,2,3,4,7,8-HxCDF	97688400	1.24 y	31:56	1.21	7180.815	85.771	-	n
1,2,3,6,7,8-HxCDF	67126700	1.24 y	32:03	1.34	4455.975	77.456	-	n
2,3,4,6,7,8-HxCDF	15866110	1.29 y	32:37	1.22	1157.063	85.093	-	y
1,2,3,7,8,9-HxCDF	10124890	1.18 y	33:16	1.09	826.110	95.204	-	y
Total HxCDF	362128240	1.21 y	30:33	1.22	26162.531	85.424	-	y
13C-1,2,3,6,7,8-HxCDD	2035732	1.35 y	32:49	0.81	134.906	5.605	67.8	n
1,2,3,4,7,8-HxCDD	2033848	1.18 y	32:45	1.01	197.487	9.190	-	n
1,2,3,6,7,8-HxCDD	4219070	1.27 y	32:50	1.11	370.262	8.306	-	n
1,2,3,7,8,9-HxCDD	3580360	1.27 y	33:06	1.21	289.490	7.652	-	n
Total HxCDD	20538861	1.21 y	31:22	1.11	1800.149	8.336	-	n
13C-1,2,3,4,6,7,8-HpCDF	707727	0.40 y	34:36	0.86	43.882	5.536	22.1	y
1,2,3,4,6,7,8-HpCDF	66011400	0.93 y	34:36	1.31	14172.690	65.272	-	n
1,2,3,4,7,8,9-HpCDF	35070800	0.94 y	35:44	1.03	9615.045	83.349	-	n
Total HpCDF	133791286	0.93 y	34:36	1.17	31664.565	73.211	-	n
13C-1,2,3,4,6,7,8-HpCDD	679858	1.20 y	35:24	0.70	52.131	5.385	26.2	n
1,2,3,4,6,7,8-HpCDD	3783750	0.97 y	35:25	1.07	1033.315	17.785	-	n
Total HpCDD	4984502	0.18 n	34:30	1.07	1361.232	17.785	-	n
13C-OCDD	388973	1.02 y	37:54	0.53	39.150	7.389	9.8	y
OCDF	60241700	0.88 y	38:01	1.45	42647.875	18.737	-	n

See DB25

G ↓

G G

E.

OCDD 1573320 0.81 y 37:55 1.17 1380.383 / 41.416 - n

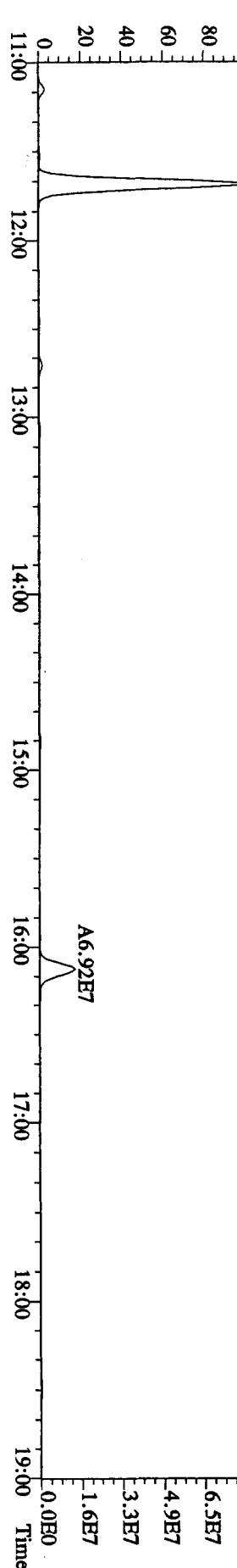
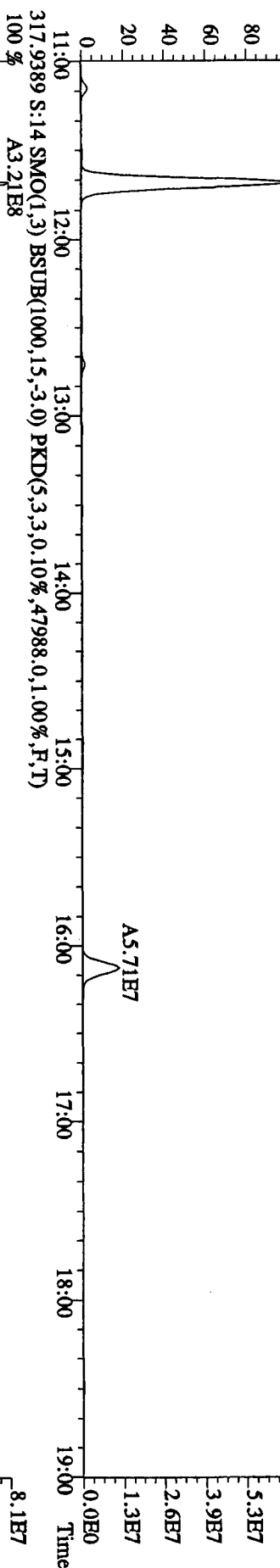
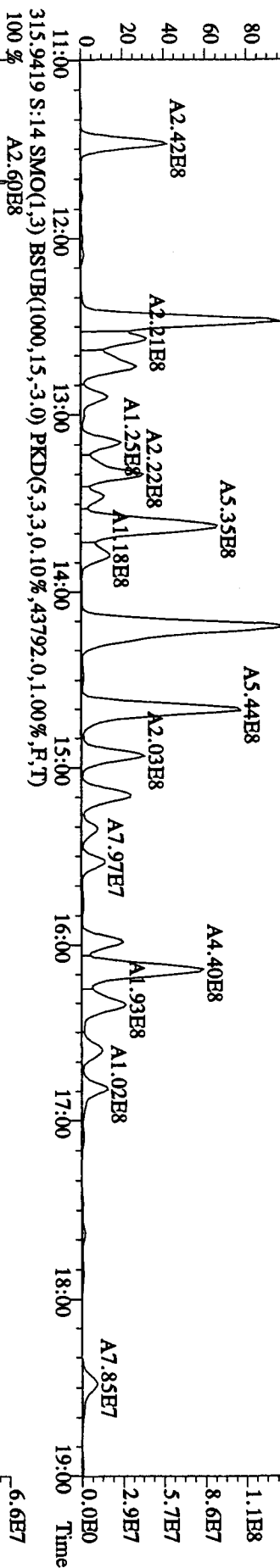
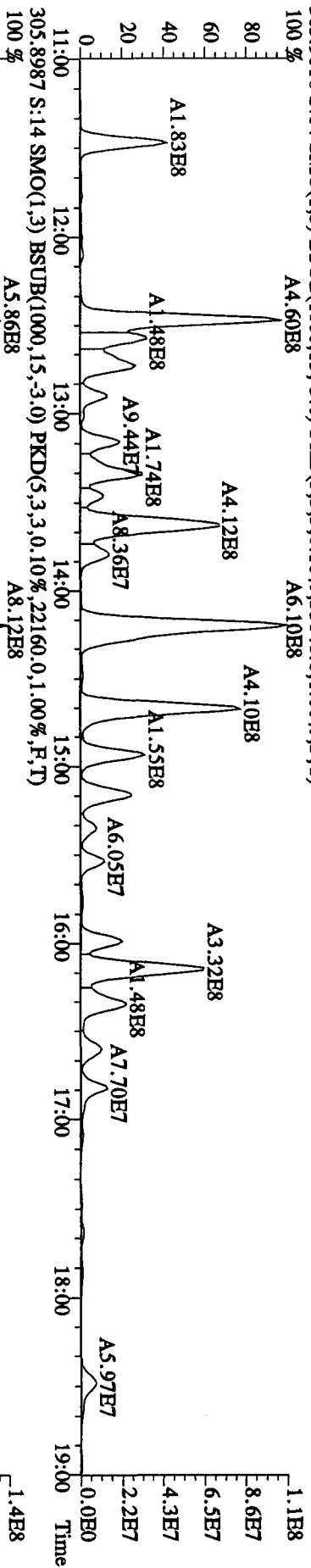
Run text: LXTAR-1-AD Sample text: GOD100464-1MS
 Run #18 Filename: 29AP105D2 S: 14 I: 1 Results: 29AP105D2DB225
 Acquired: 29-APR-10 16:38:26 Processed: 29-APR-10 19:12:03
 Run: 29AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.1000g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	42982900	0.71 y	14:57	-	4.28	-	-	n
13C-2,3,7,8-TCDF	126287600	0.82 y	16:08	2.11	138.11	1.36	69.7	n
2,3,7,8-TCDF	771201000	0.75 y	16:08	1.09	1110.98	1.23	-	n
13C-2,3,7,8-TCDD	64509400	0.75 y	14:45	0.95	156.67	0.98	79.1	n
2,3,7,8-TCDD	36589200	0.82 y	14:45	1.36	82.75	0.49	-	n
37Cl-2,3,7,8-TCDD	70897400	1.00 y	14:45	2.28	71.69	0.83	90.5	n

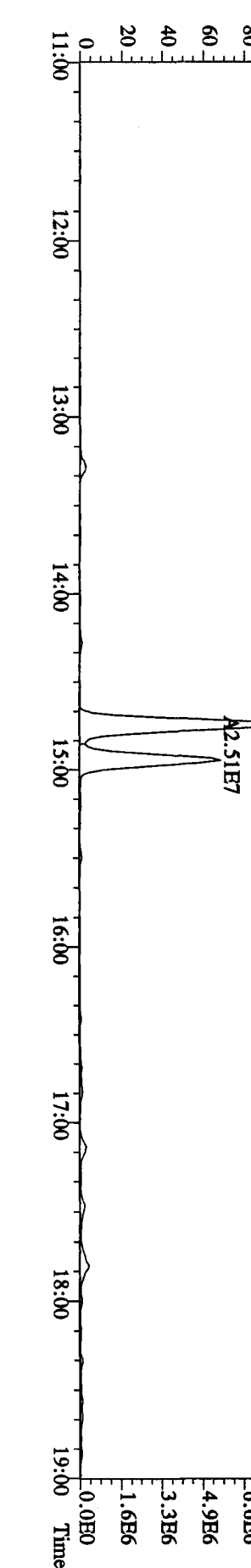
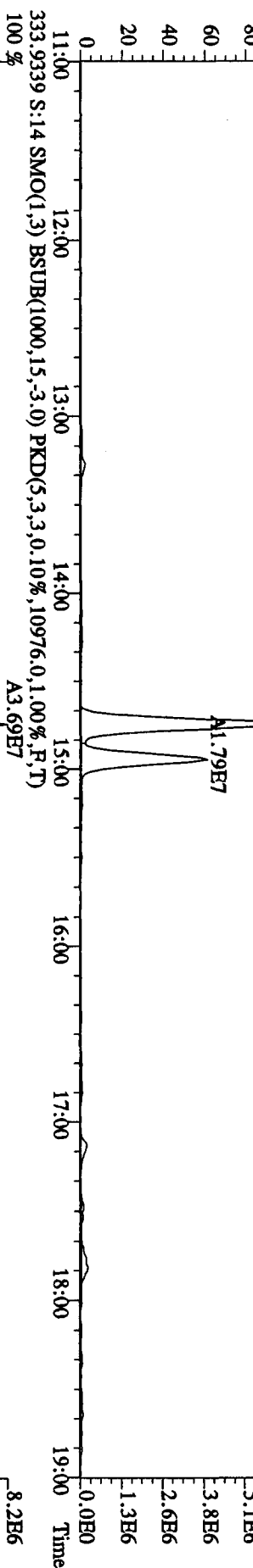
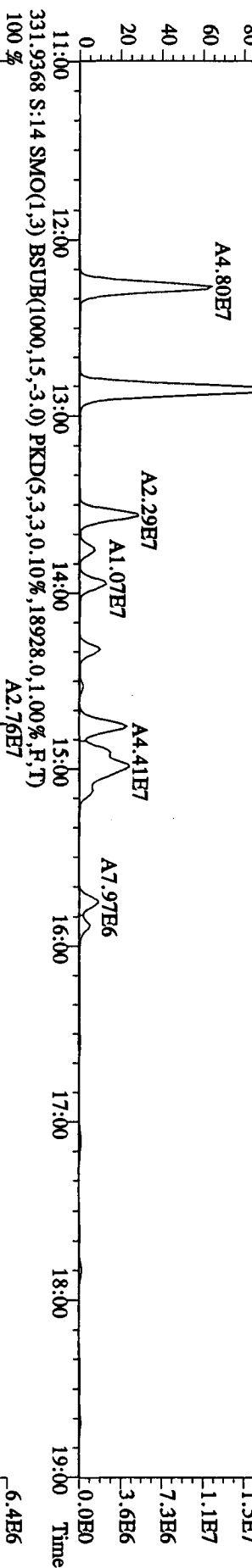
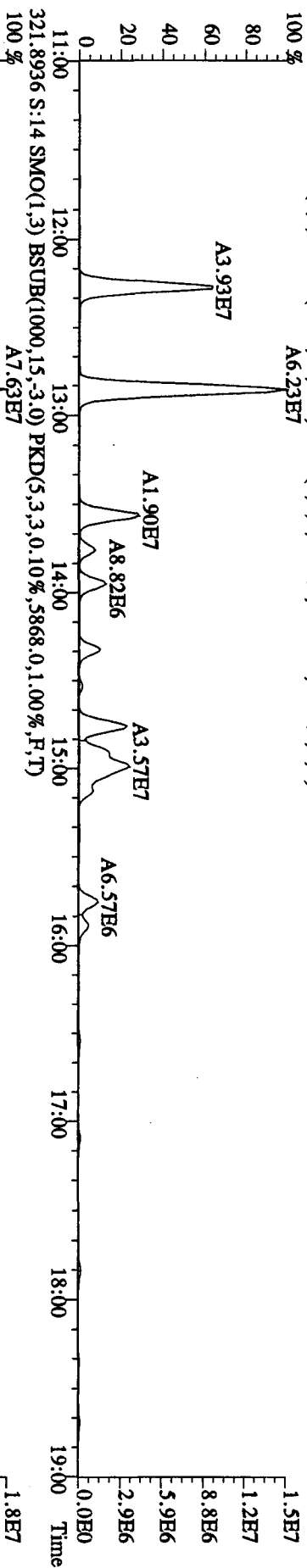
E Com-G

326 04/30/10

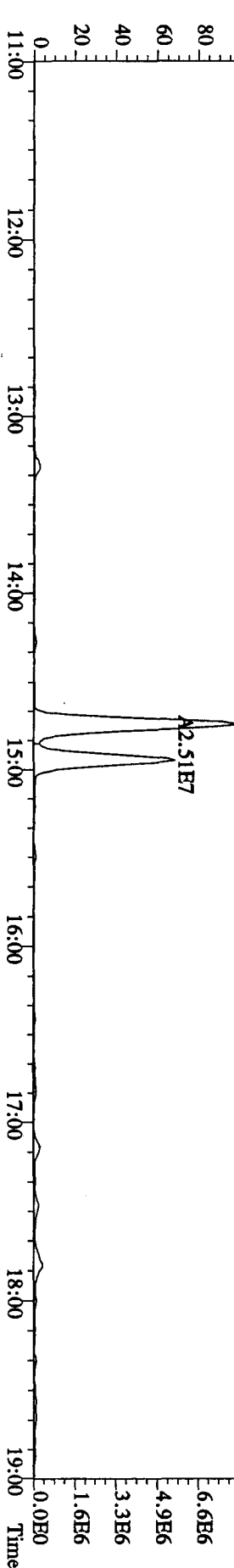
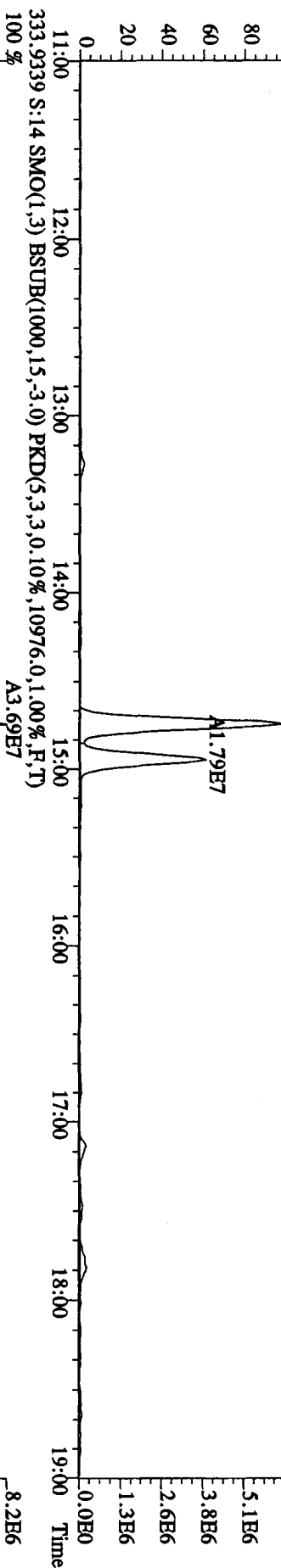
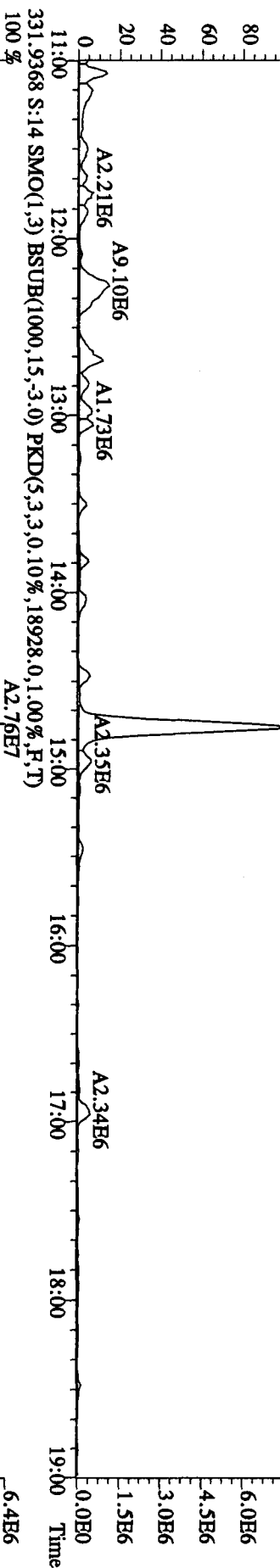
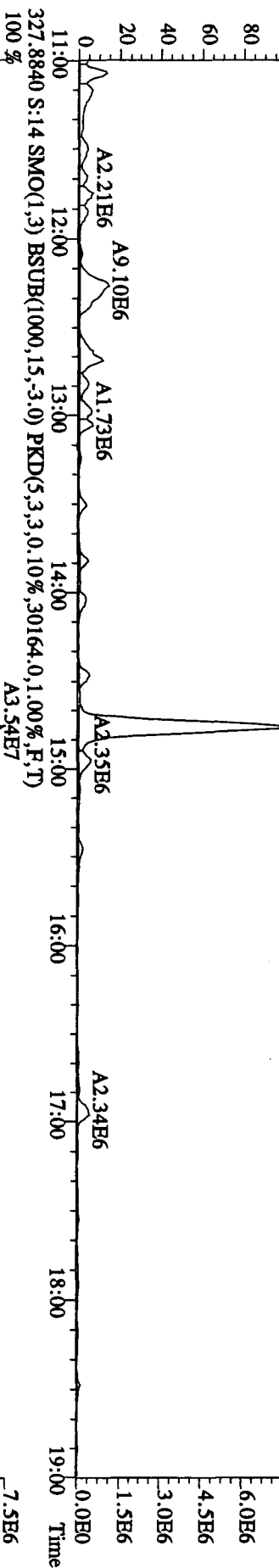
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35040.0,1.00%,F,T)



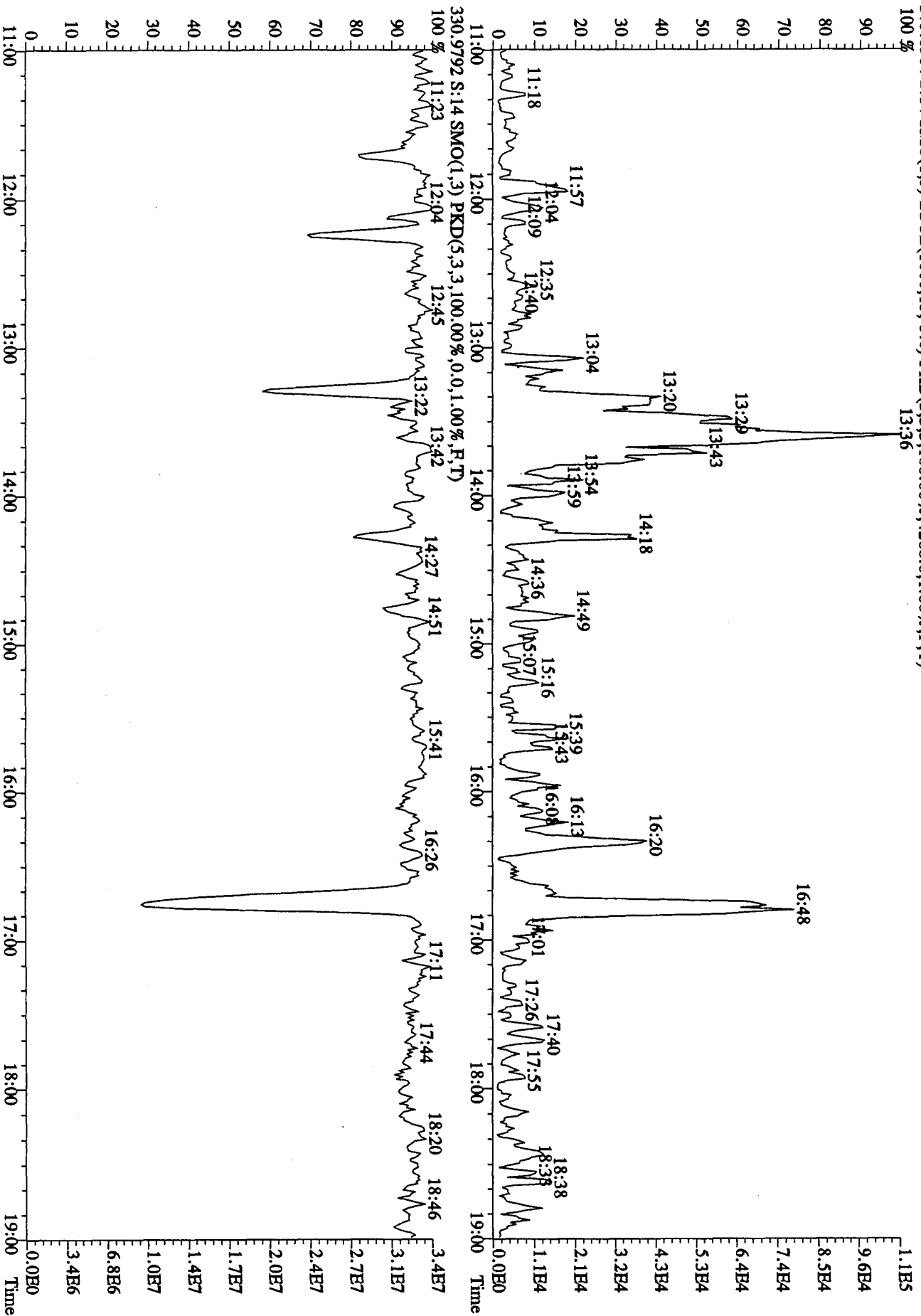
File:29AP105D2 #1-1242 Acq:29-APR-2010 16:38:26 GC EI+ Voltage SIR 70SE
 Sample#14 Text:LXTAR-1-AD :G0D100464-1MS Exp:DB25RES
 319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10536.0,1.00%,F,T)
 100 %



File:29AP105D2 #1-1242 Acq:29-APR-2010 16:38:26 GC EI+ Voltage SIR 70SE
 Sample#14 Text:LXTAR-1-AD :G0D100464-1MS Exp:DB225RES
 327,8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30164.0,1.00%,F,T)
 100 % A3.54E7



File:29AP105D2 #1-1242 Acq:29-APR-2010 16:38:26 GC EI+ Voltage SIR 70SE
 Sample#14 Text:LXTAR-1-AD :G0D100464-IMS Exp:DB225RES
 375.8364 S:1:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4268.0,1.00%,F,T)

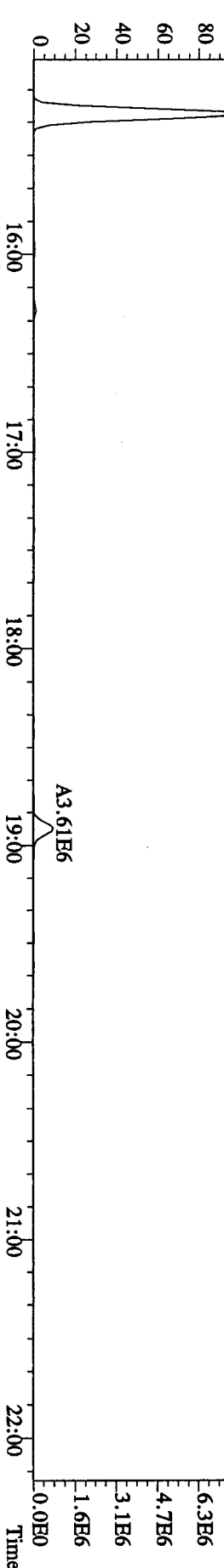
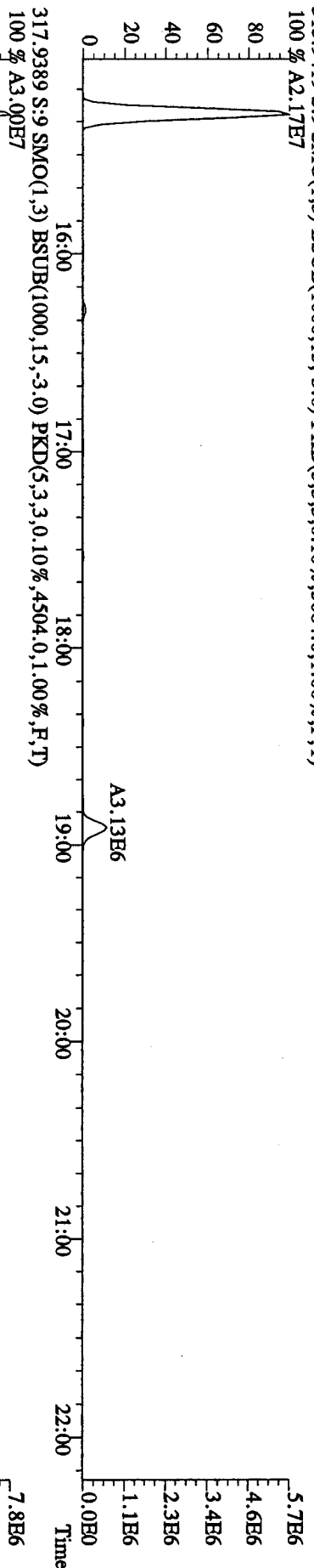
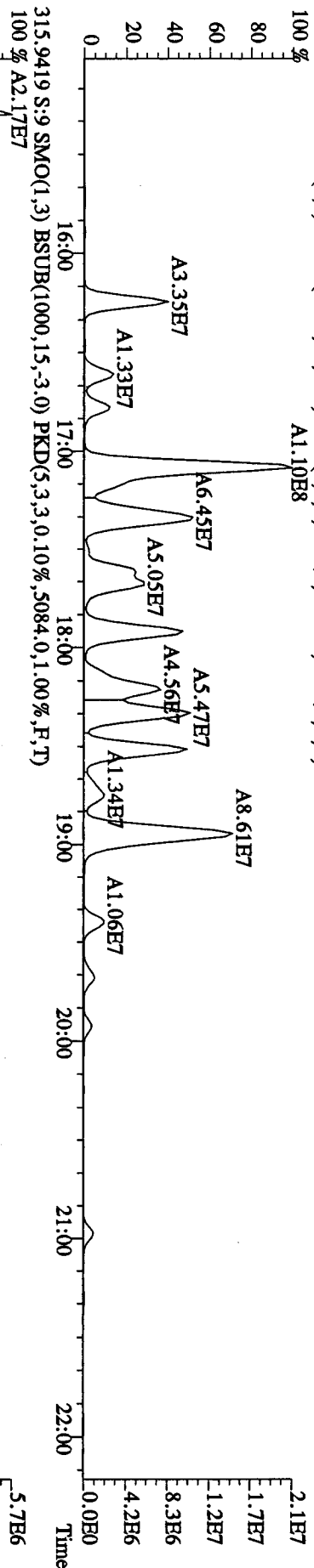
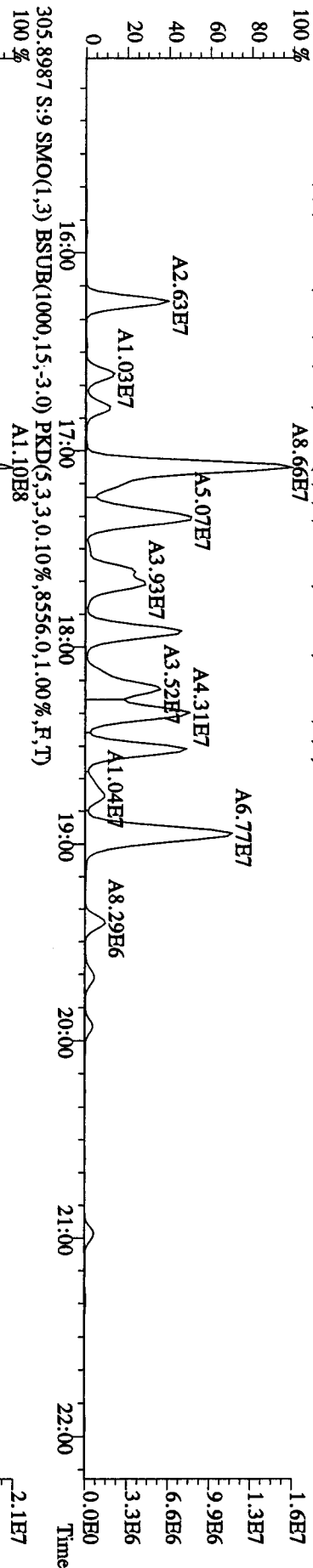


Run text: LXTAR-1-AE Sample text: LXTAR-1-AE :G0D100464-1D [20X]
 Run #14 Filename: 30AP104D5 S: 9 I: 1 Results: 30AP104D58290A
 Acquired: 30-APR-10 14:10:38 Processed: 30-APR-10 15:13:54
 Run: 30AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.05007g

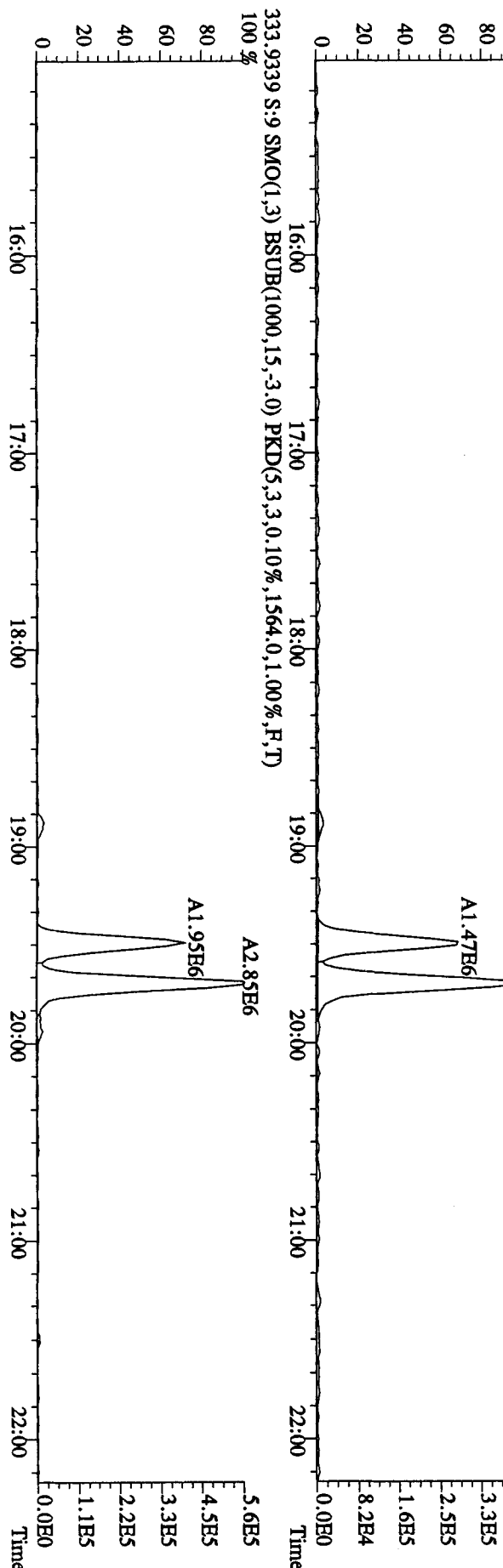
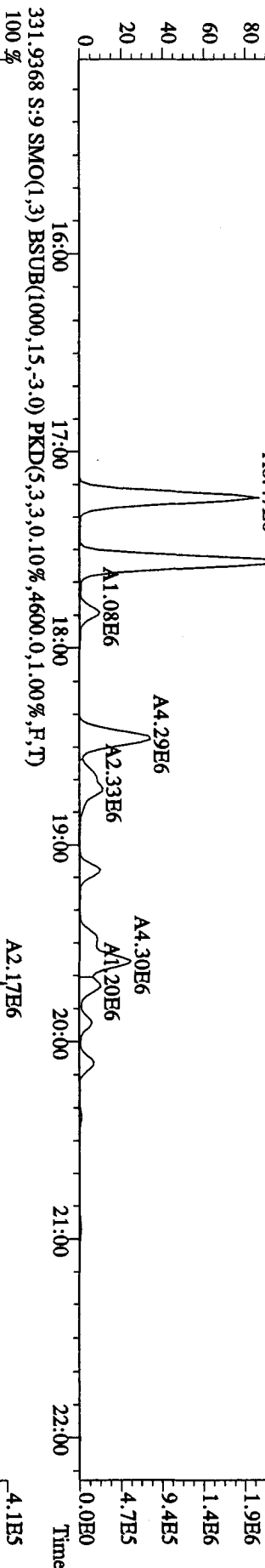
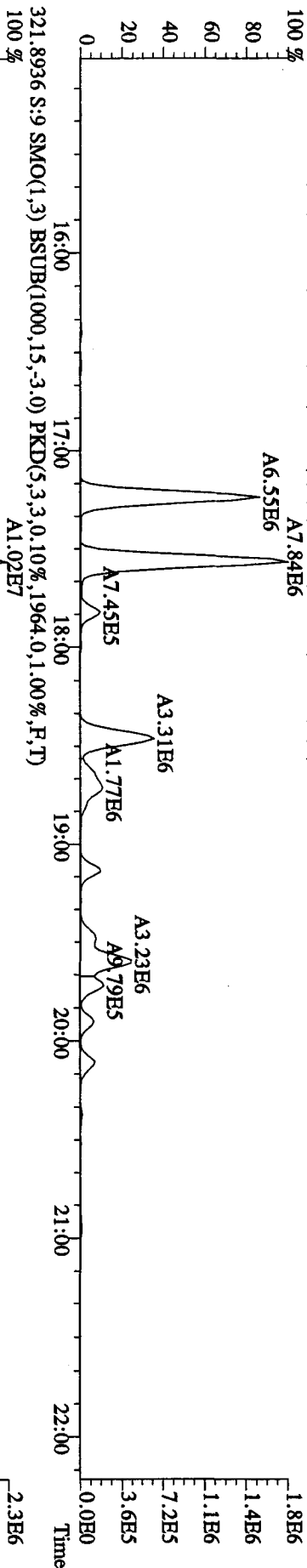
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	3419514	0.75 y	19:30	-	0.26	-	-	n
13C-2,3,7,8-TCDF	6743686	0.87 y	18:55	1.52	129.04	2.78	64.8	n
2,3,7,8-TCDF	153823784	0.79 y	18:57	0.95	4801.90	7.21	-	n
Total TCDF	1088625436	0.88 y	15:44	0.95	33982.47	7.21	-	n
13C-2,3,7,8-TCDD	5020729	0.76 y	19:42	0.95	153.84	2.86	77.3	n
2,3,7,8-TCDD	2178906	0.82 y	19:43	1.02	84.59	1.87	-	n
Total TCDD	61489766	0.77 y	17:14	1.02	2387.08	1.87	-	n
37Cl-2,3,7,8-TCDD	4586777	1.00 y	19:43	2.26	59.02	2.38	74.1	n
13C-1,2,3,7,8-PeCDF	4221665	1.59 y	24:34	1.05	116.96	2.01	58.8	n
1,2,3,7,8-PeCDF	75697628	1.51 y	24:35	1.04	3415.44	44.98	-	n
2,3,4,7,8-PeCDF	40321208	1.51 y	26:05	0.98	1935.24	47.85	-	n
Total F2 PeCDF	555200239	1.26 n	22:26	1.01	25778.43	46.37	-	n
Total F1 PeCDF	75838086	1.18 n	17:37	1.01	3527.47	3.31	-	n
13C-1,2,3,7,8-PeCDD	3152254	1.58 y	26:53	0.67	136.81	0.09	68.7	n
1,2,3,7,8-PeCDD	4635963	1.54 y	26:55	0.98	298.06	7.52	-	n
Total PeCDD	32351741	1.43 y	23:15	0.98	2080.00	7.52	-	n
13C-1,2,3,7,8,9-HxCDD	1714480	1.47 (n)	33:05	-	0.17	-	-	n
13C-1,2,3,4,7,8-HxCDF	2232591	0.48 y	31:55	1.02	126.43	8.42	63.5	n
1,2,3,4,7,8-HxCDF	97688424	1.24 y	31:56	1.21	7180.82	85.77	-	n
1,2,3,6,7,8-HxCDF	67126642	1.24 y	32:03	1.34	4455.97	77.46	-	n
2,3,4,6,7,8-HxCDF	34528327	1.24 y	32:33	1.22	2518.04	85.09	-	n
1,2,3,7,8,9-HxCDF	23756893	1.21 y	33:20	1.09	1938.37	95.20	-	n
Total HxCDF	394422396	1.21 y	30:33	1.22	28635.76	85.42	-	n
13C-1,2,3,6,7,8-HxCDD	2035729	1.35 y	32:49	0.81	146.39	6.16	73.6	n
1,2,3,4,7,8-HxCDD	2033845	1.18 y	32:45	1.01	197.49	9.19	-	n
1,2,3,6,7,8-HxCDD	4219067	1.27 y	32:50	1.11	370.26	8.31	-	n
1,2,3,7,8,9-HxCDD	3580362	1.27 y	33:06	1.21	289.49	7.65	-	n
Total HxCDD	20538859	1.21 y	31:22	1.11	1800.15	8.34	-	n
13C-1,2,3,4,6,7,8-HpCDF	629710	0.35 (n)	34:36	0.86	42.37	6.08	↓ 21.3	n
1,2,3,4,6,7,8-HpCDF	66011404	0.93 y	34:36	1.31	15928.59	74.64	-	n
1,2,3,4,7,8,9-HpCDF	35070750	0.94 y	35:44	1.03	10806.26	95.31	-	n
Total HpCDF	133791239	0.93 y	34:36	1.17	35587.56	83.72	-	n
13C-1,2,3,4,6,7,8-HpCDD	679858	1.20 y	35:24	0.70	56.57	5.92	↓ 28.4	n
1,2,3,4,6,7,8-HpCDD	3783757	0.97 y	35:25	1.07	1033.32	17.78	-	n
Total HpCDD	4984510	0.18 n	34:30	1.07	1361.23	17.78	-	n
13C-OCDD	356001	1.11 (n)	37:54	0.53	38.88	8.12	↓ 9.8	n

OCDF	60241630	0.88	y	38:01	1.45	46597.79	20.95	-	n
OCDD	1573320	0.81	y	37:55	1.17	1508.23	46.30	-	n

File:30AP104D5 #1.435 Acq:30-APR-2010 14:10:38 GC EI + Voltage SIR Autospec-UltimaB
 Sample#9 Text:IXTAR-1-AE :GOD100464-1D [20X] Exp:DIOXINRES8290A
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7580.0,1.00%,F,T)
 100 % A8.66E7



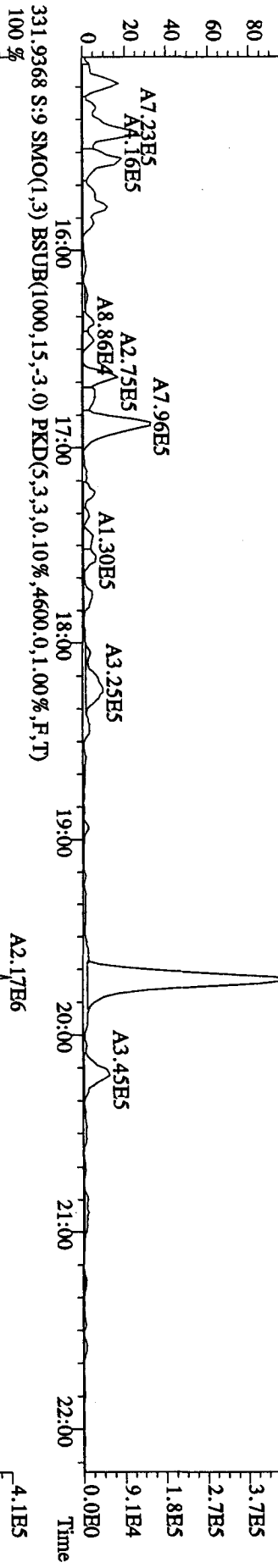
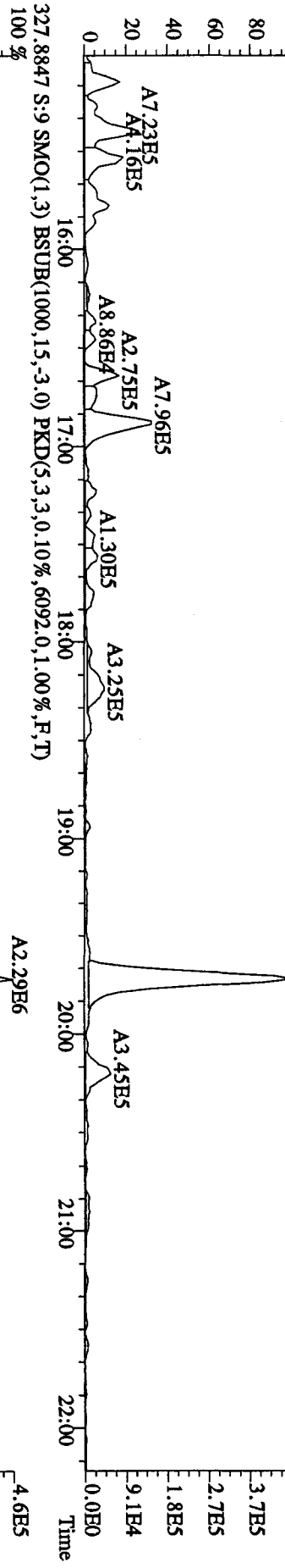
File:30AAP104D5 #1.435 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#9 Text:LXTAR-1-AE :G0D100464-1D [20X] Exp:DIOXINRES8290A
 319.8965 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1116.0,1.00%,F,T) A7.84E6
 100 %



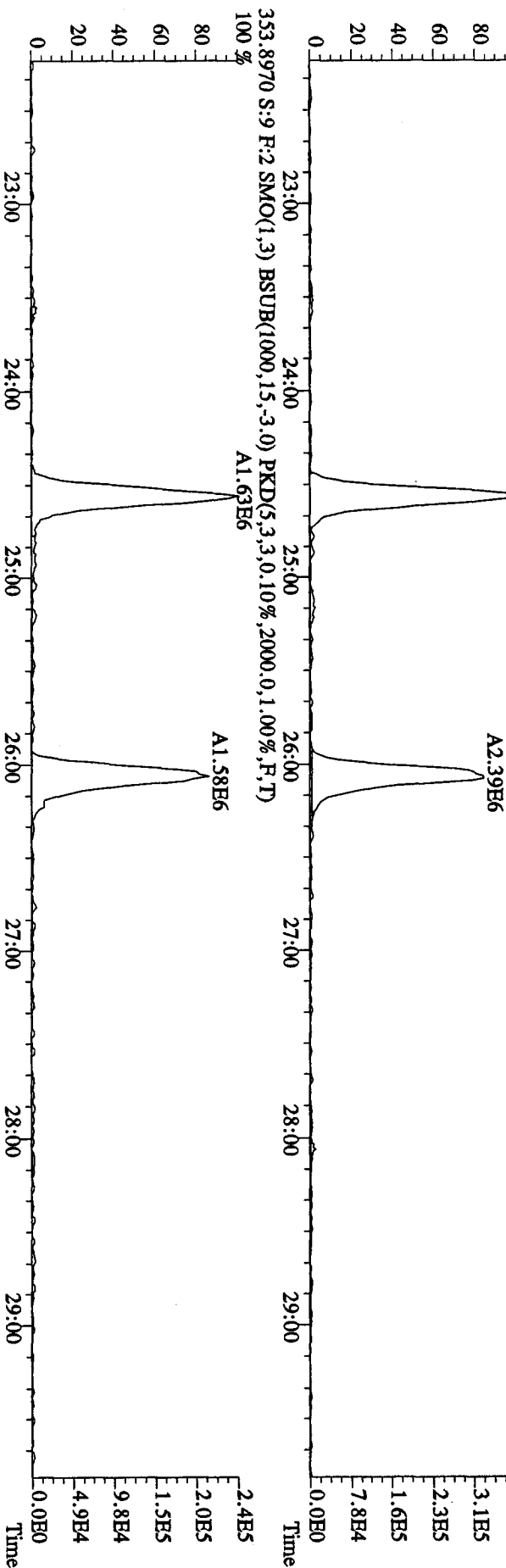
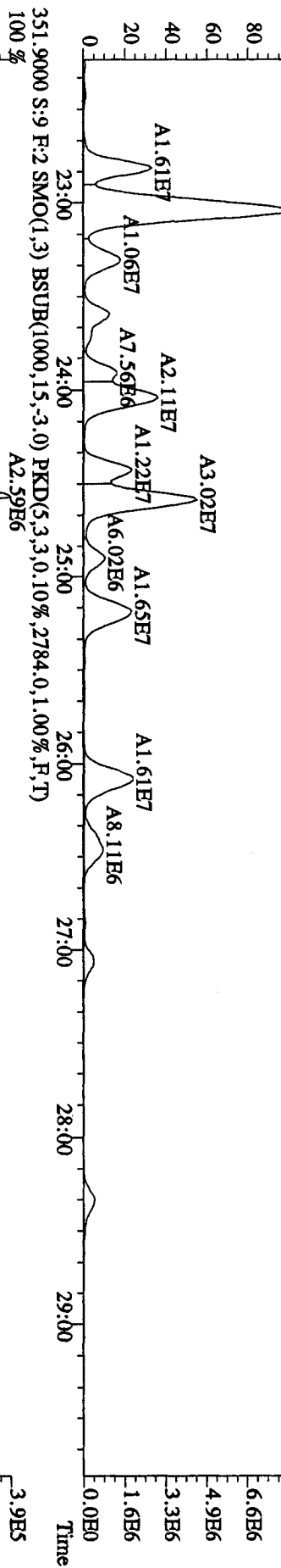
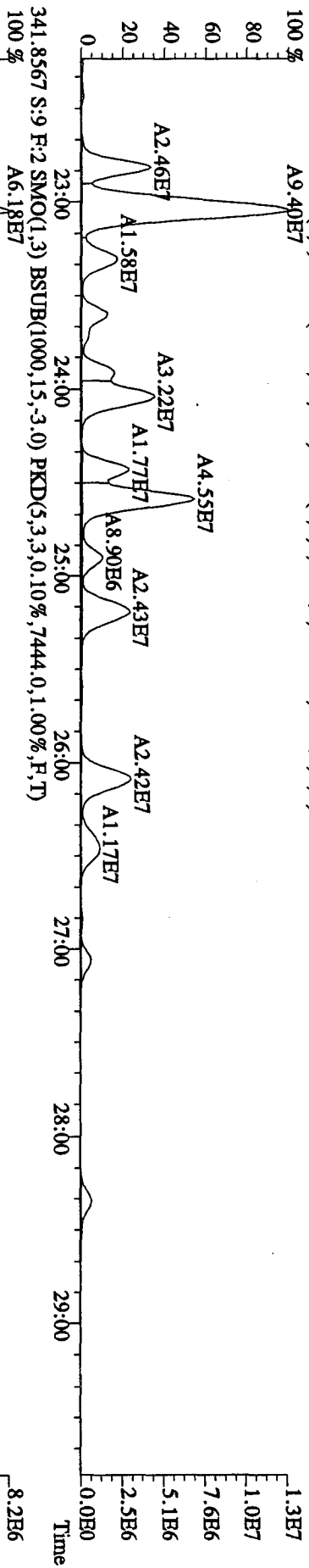
File:30AP104D5 #1-435 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaB

Sample#9 Text:LXTAR-1-AB :G0DD100464-1D 120X1 Exp:DIOXINRES8290A

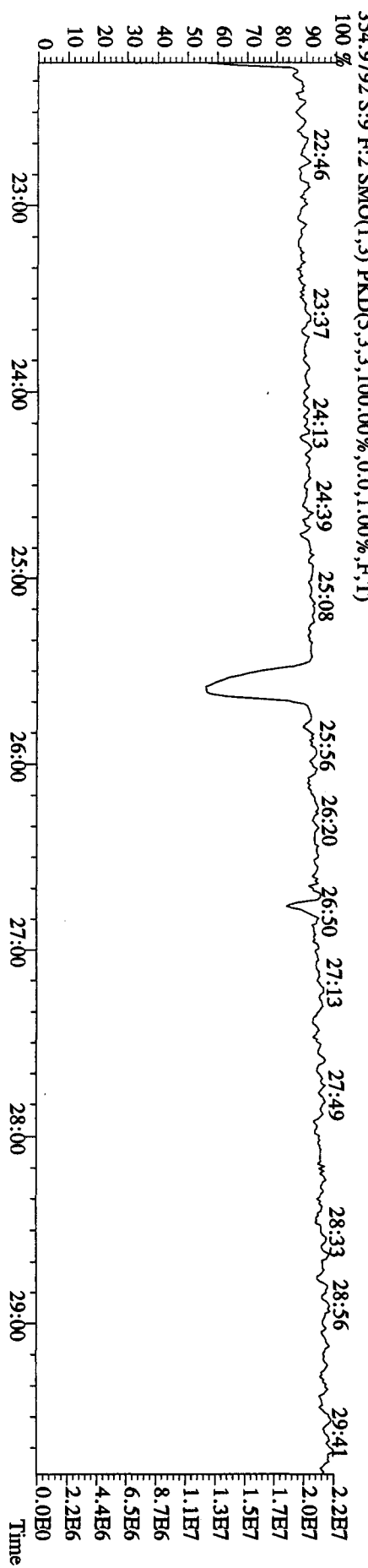
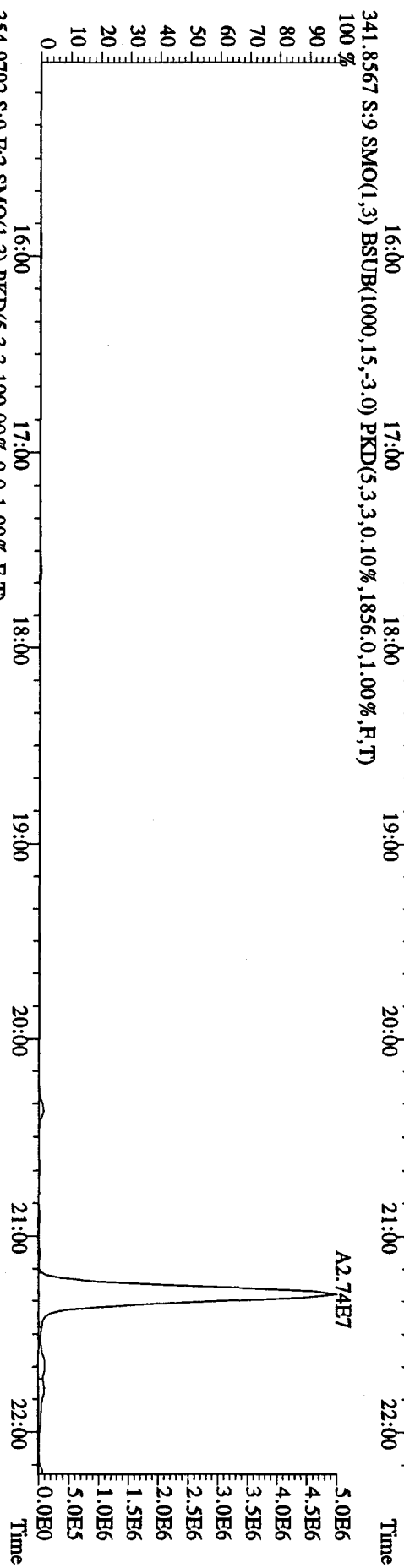
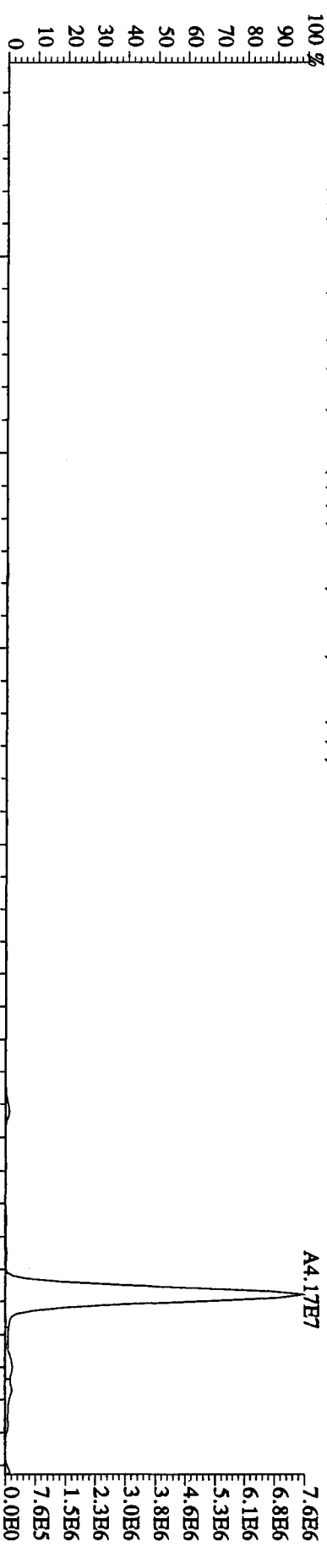
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6092.0,1.00%,F,T)



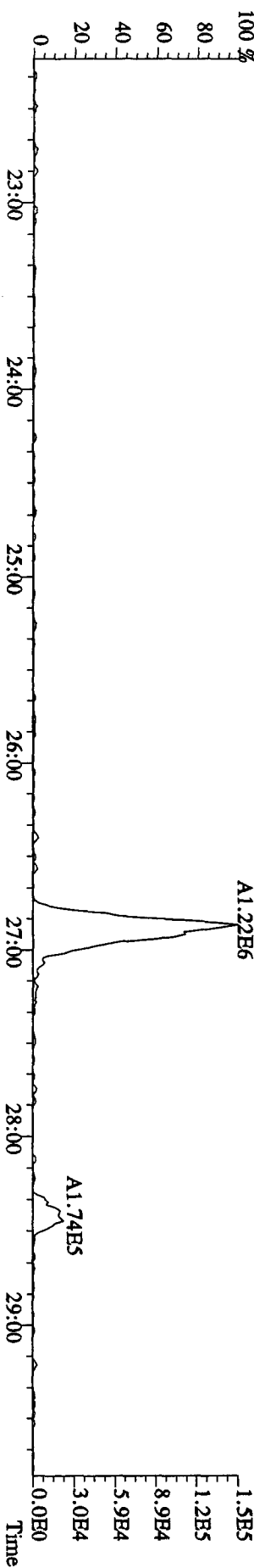
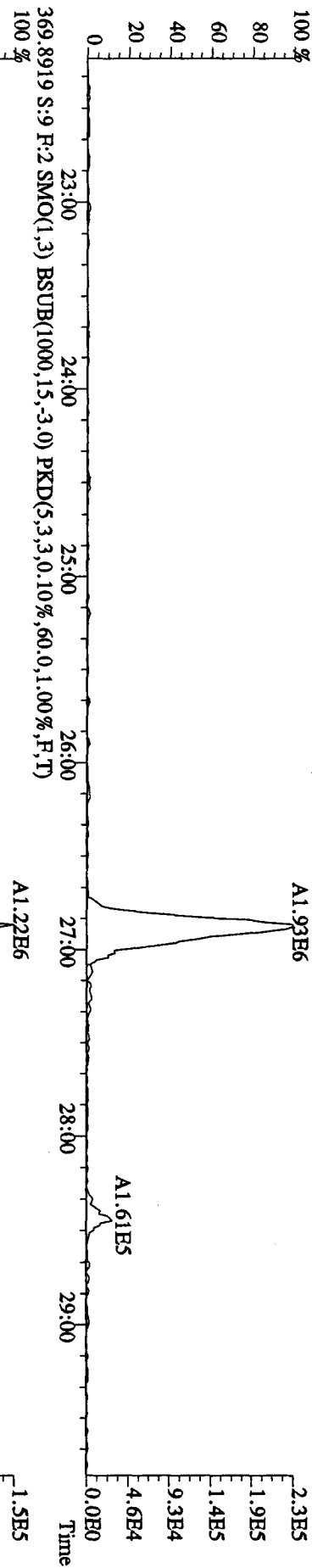
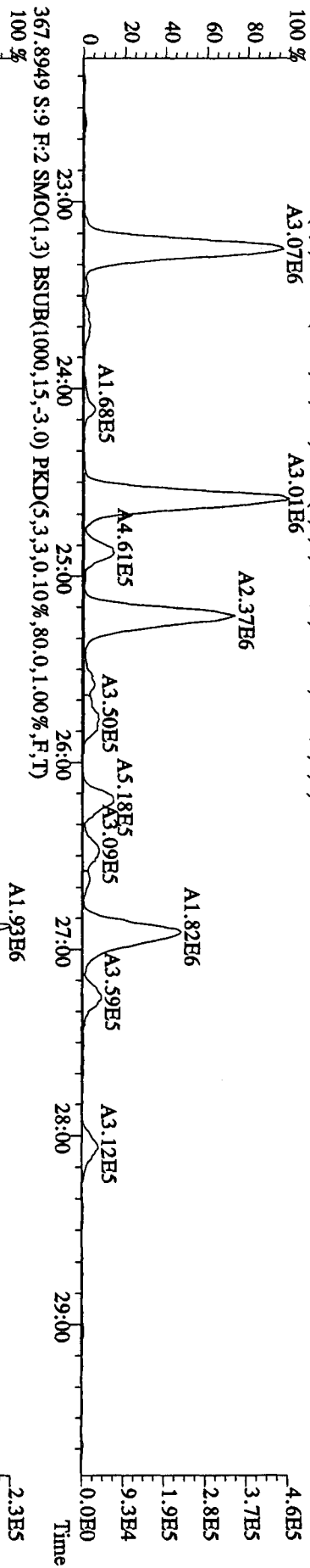
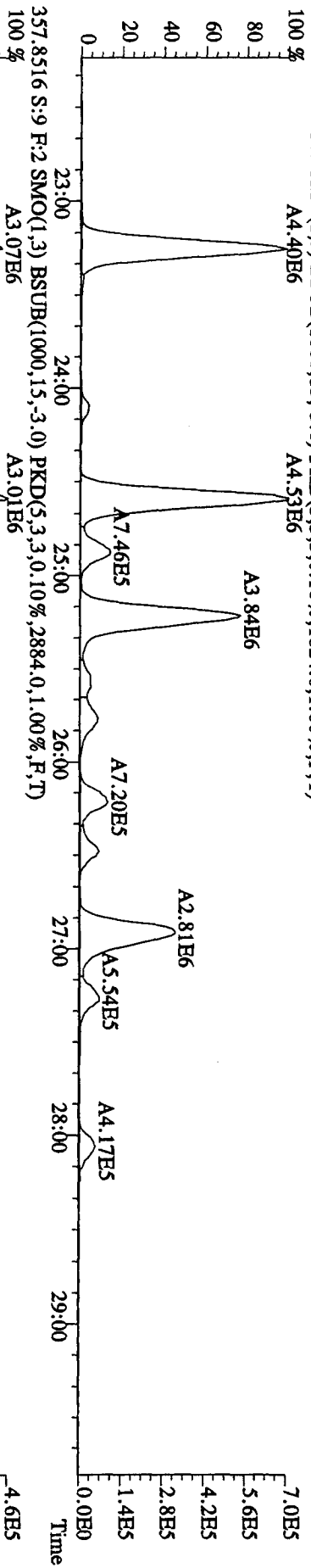
File:30AP104D5 #1-604 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#9 Text:1XTAR-1-AE :G0D100464-1D [20X] Exp:DIOXINRES8290A
 339.8597 S:9 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,42284,0,1,00%,F,T)



File:30AP104D5 #1-435 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 Text:LXTAR-1-AB :GOD100464-1D [20X] Exp:DIOXINRES8290A
 339.8597 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1692.0,1.00%,F,T)
 100 %

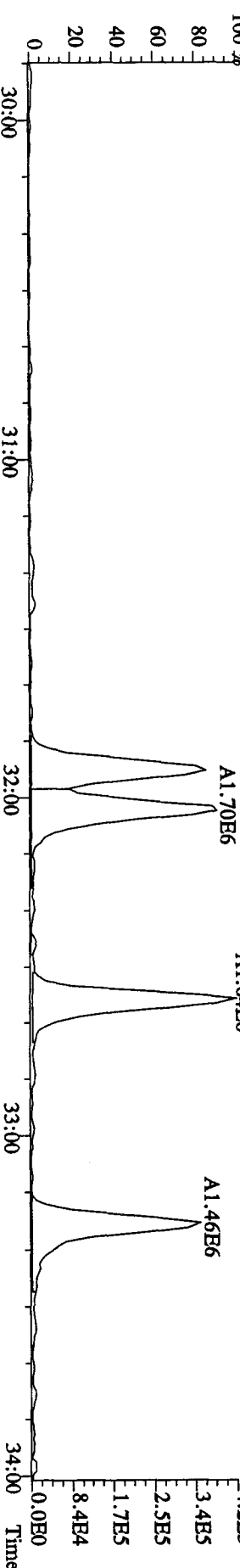
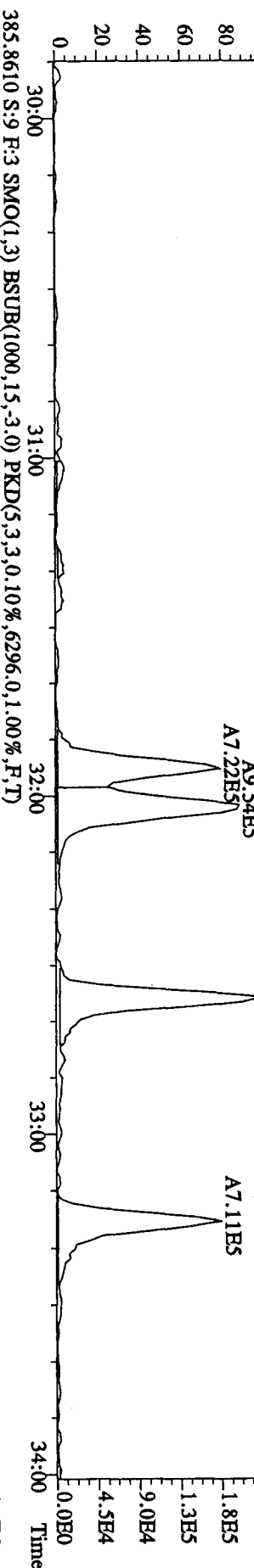
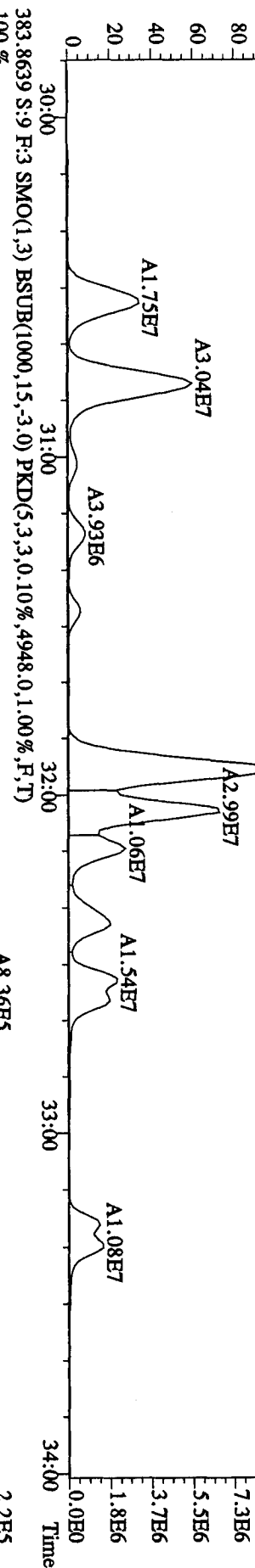
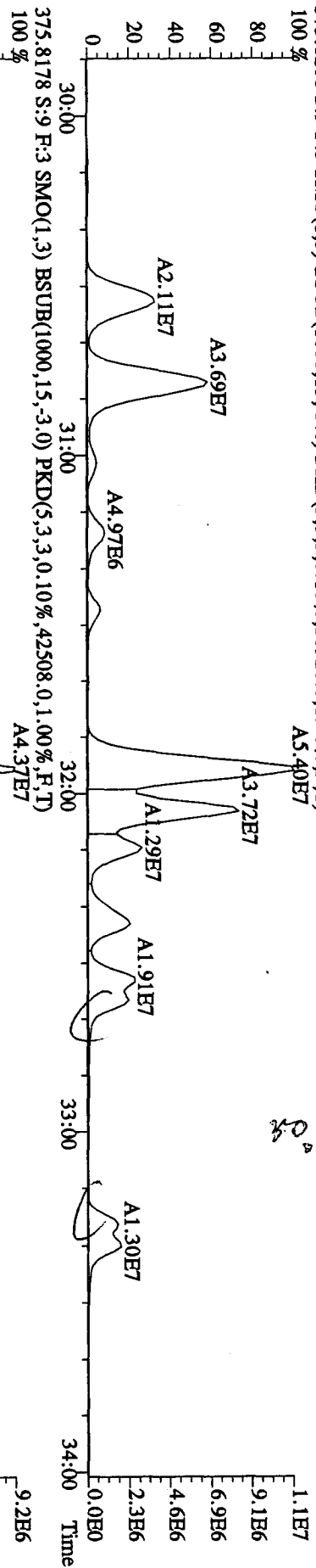


File:30AP104D5 #1-604 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#9 Text:LTAR-1-AE :G0D100464-ID [20X] Exp:DIOXINRES8290A
 355.8546 S:9 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1824,0,1,00%,F,T)
 100%

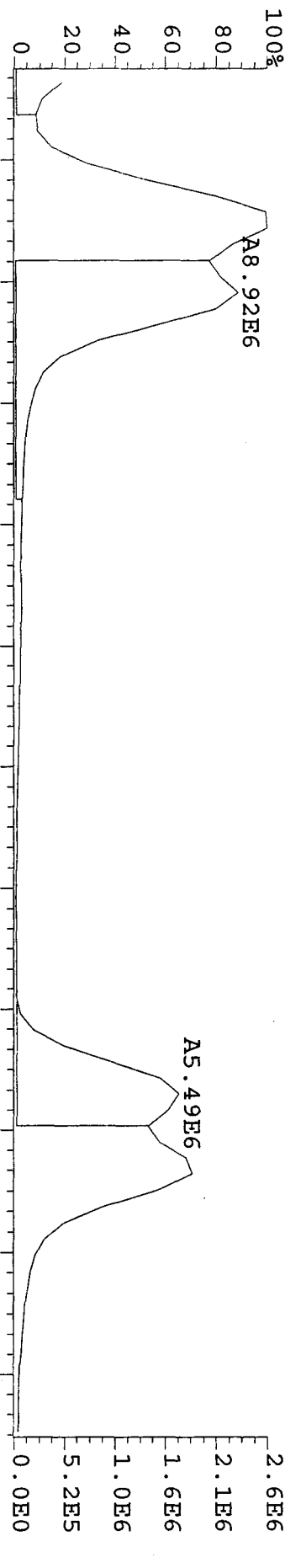


File:30API04D5 #1-317 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#9 Text:LXTAR-1-AE :G0D100464-1D [20X] Exp:DIOXINRES8290A
 373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,50920.0,1.00% F,T)
 100%

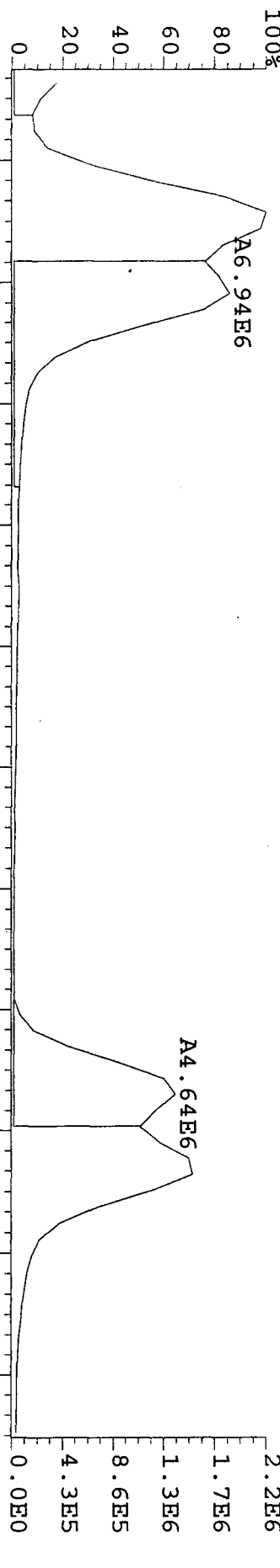
Handwritten: 2/15/04



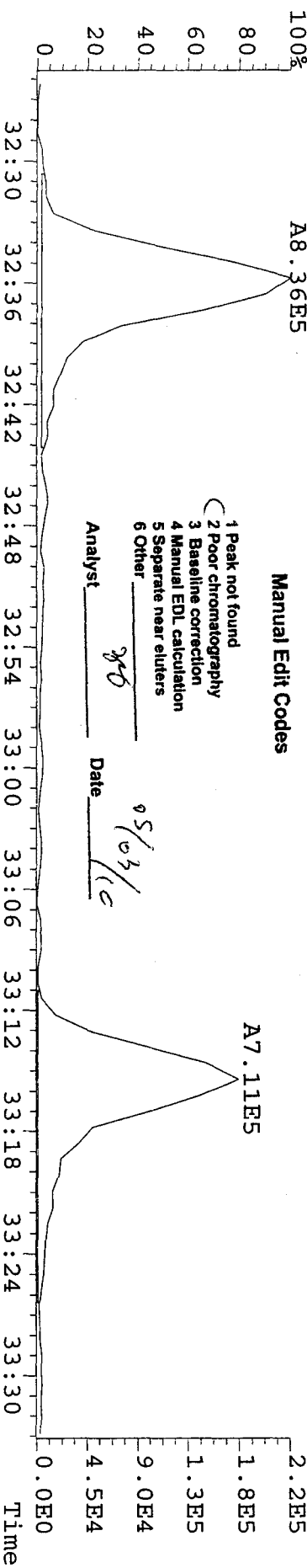
File: 30API04D5 #1-317 Acq: 30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample# 9 Text: LXTAR-1-AE : GOD100464-1D Exp: DIOXINRES8290A
 373.8208 S: 9 F: 3 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(5, 3, 3, 0.10%, 50920.0, 1.00%, F, T)



375.8178 S: 9 F: 3 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(5, 3, 3, 0.10%, 42508.0, 1.00%, F, T)



383.8639 S: 9 F: 3 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(5, 3, 3, 0.10%, 4948.0, 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

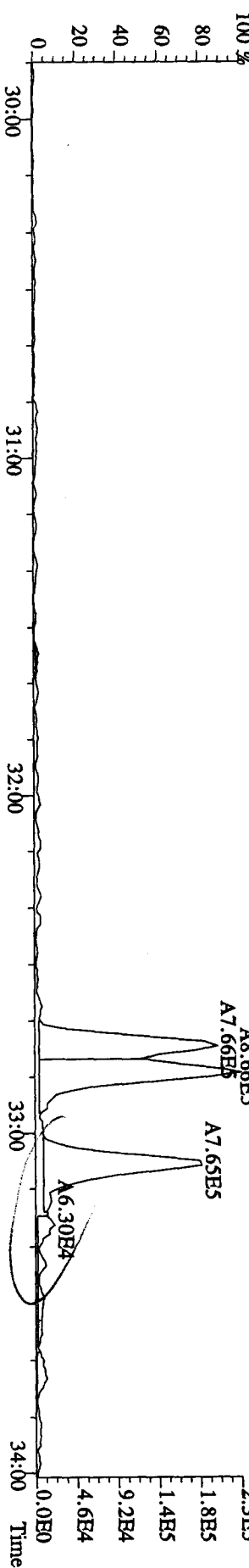
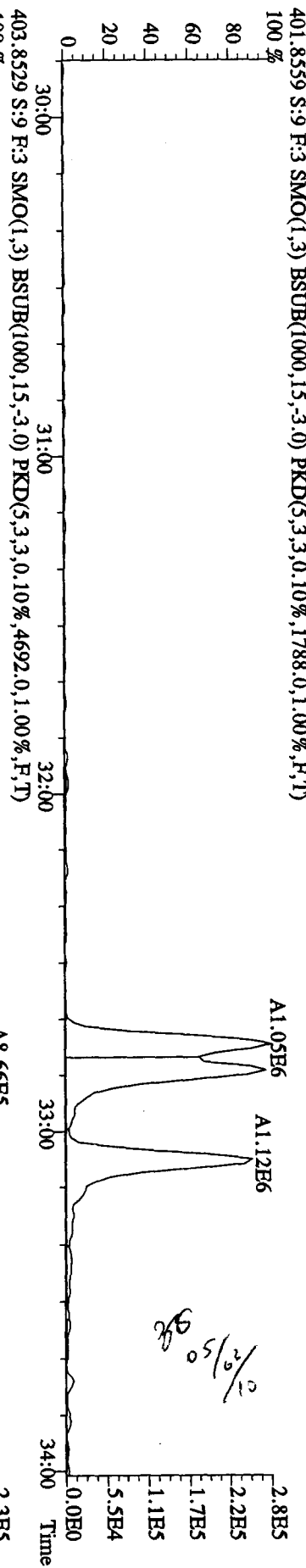
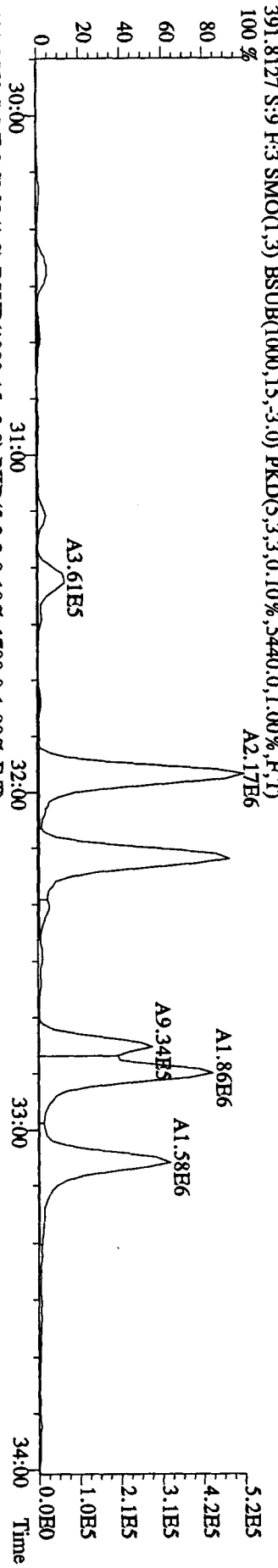
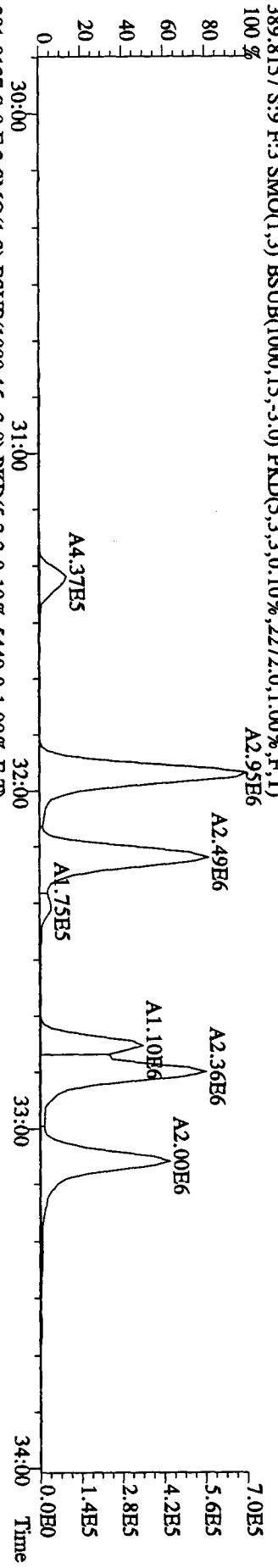
Analyst gdb

Date 05/03/10

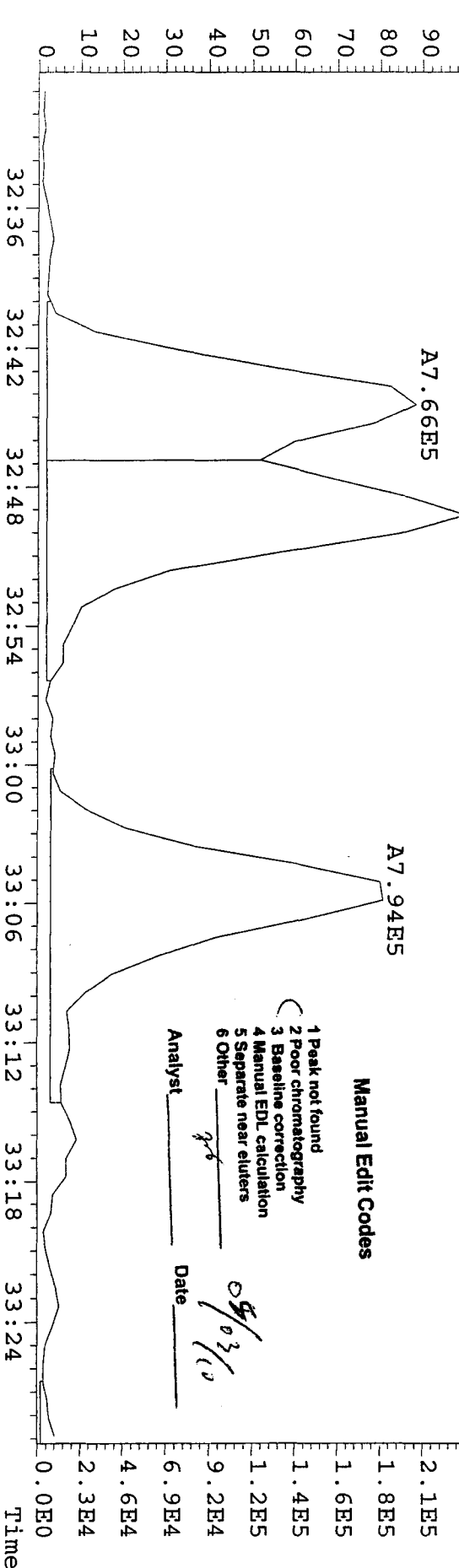
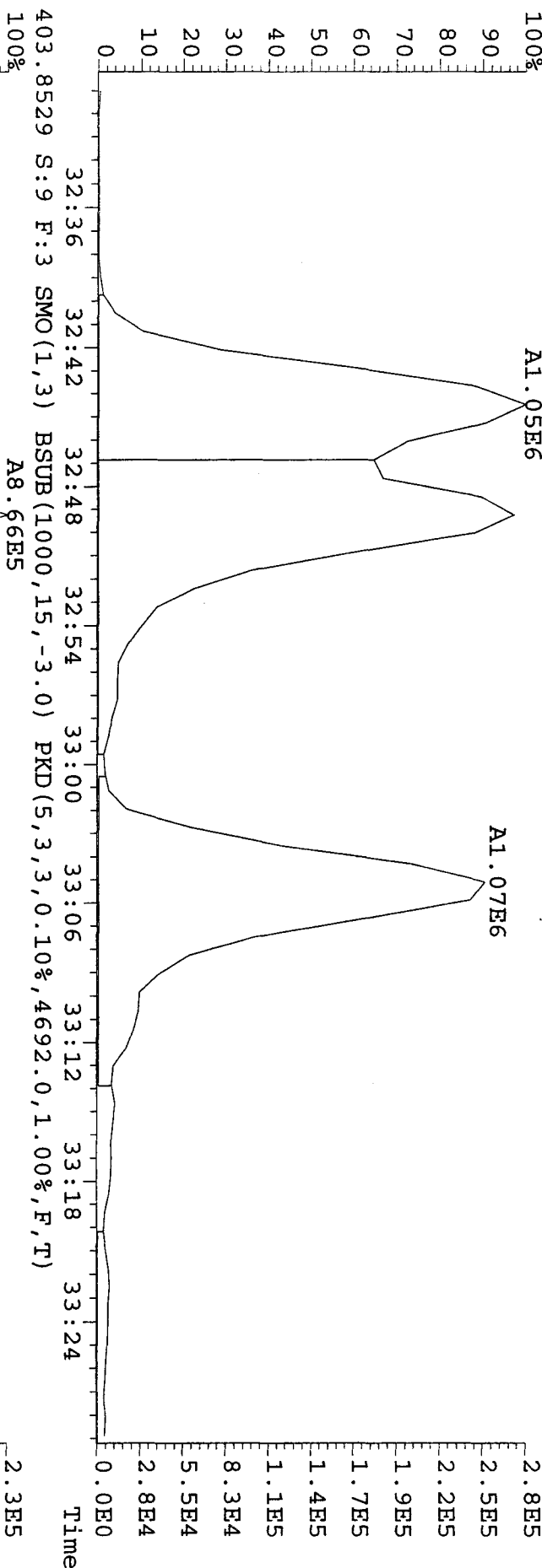
File: 30AP104D5 #1-317 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaB

Sample#9 Text: IXTAR-1-AE :G0D100464-ID [20X] Exp: DIOXINRES8290A

389.8157 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T) A2.95E6



File: 30API04D5 #1-317 Acq: 30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-Ultimate
Sample#9 Text: LXTAR-1-AE : GOD100464-1D Exp: DIOXINRES8290A
401.8559 S: 9 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)

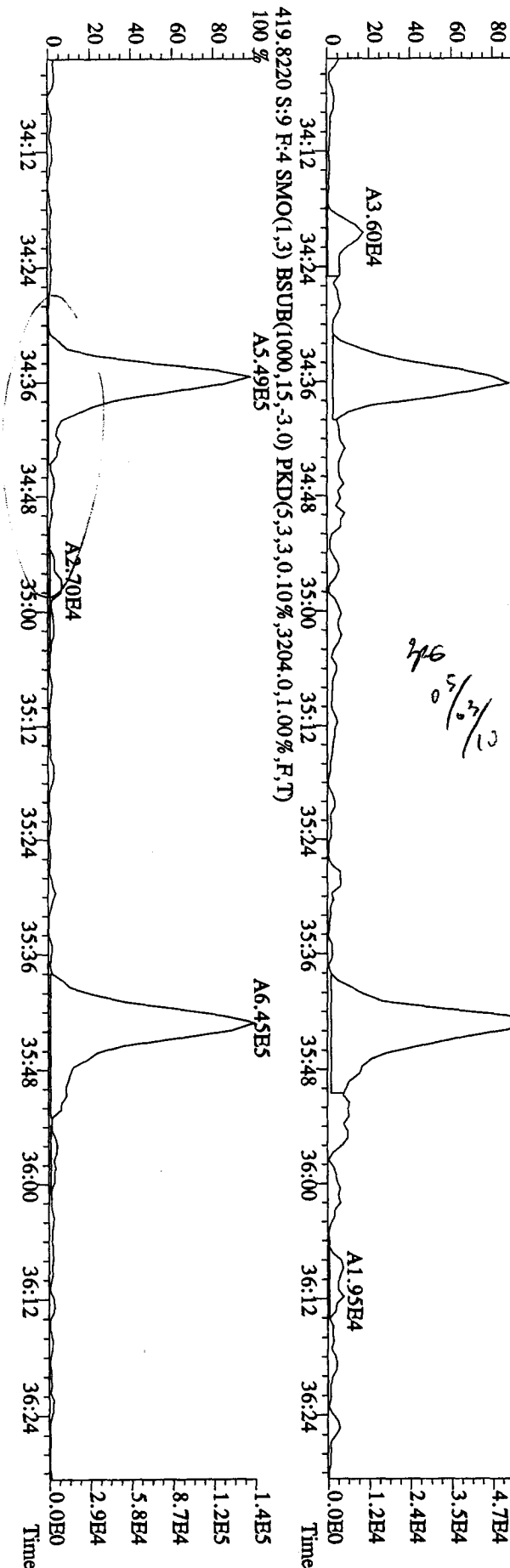
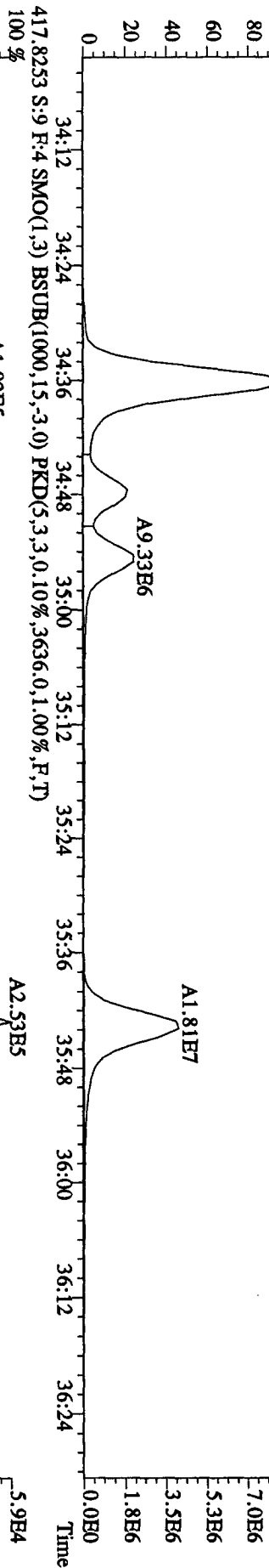
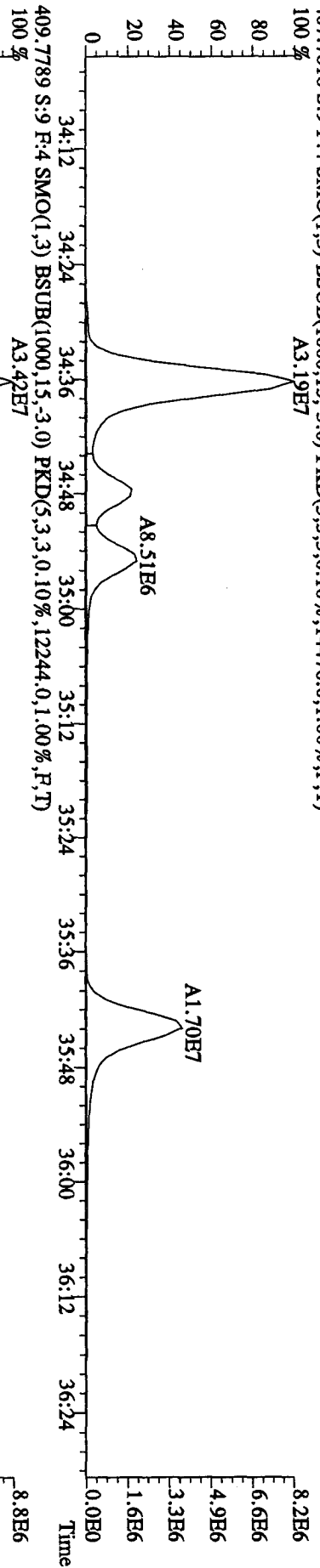


Manual Edit Codes

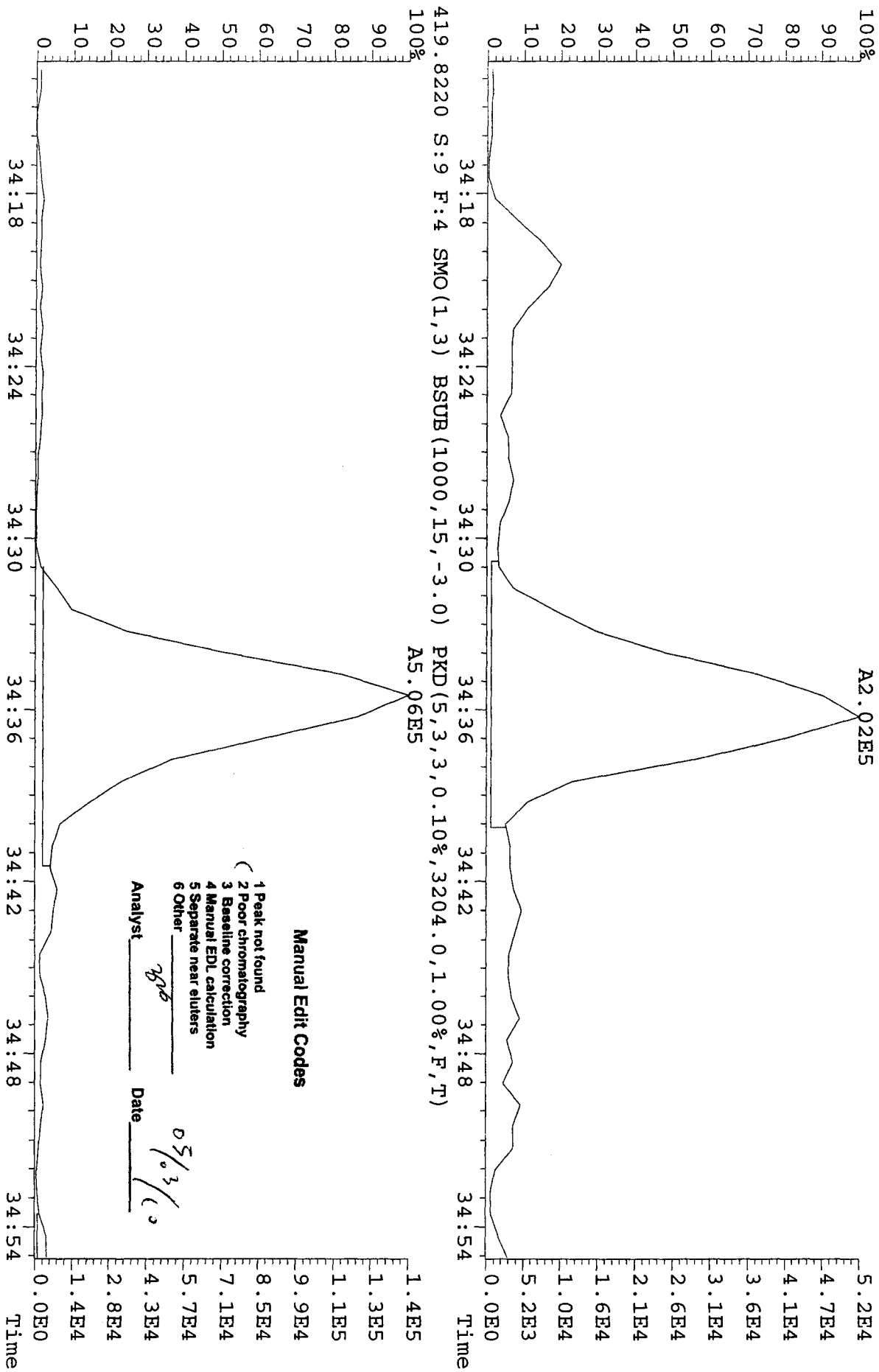
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst Date 04/03/10

File:30AD104D5 #1-198 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#9 Text:LXTAR-1-AB :GOD100464-1D [20X] Exp:DIOXINRES8290A
 407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14476.0,1.00%,F,T)
 100 %



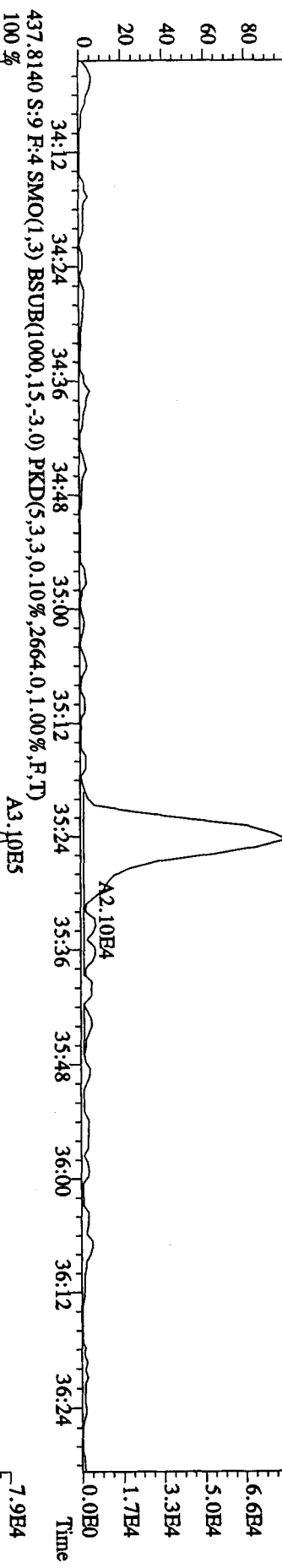
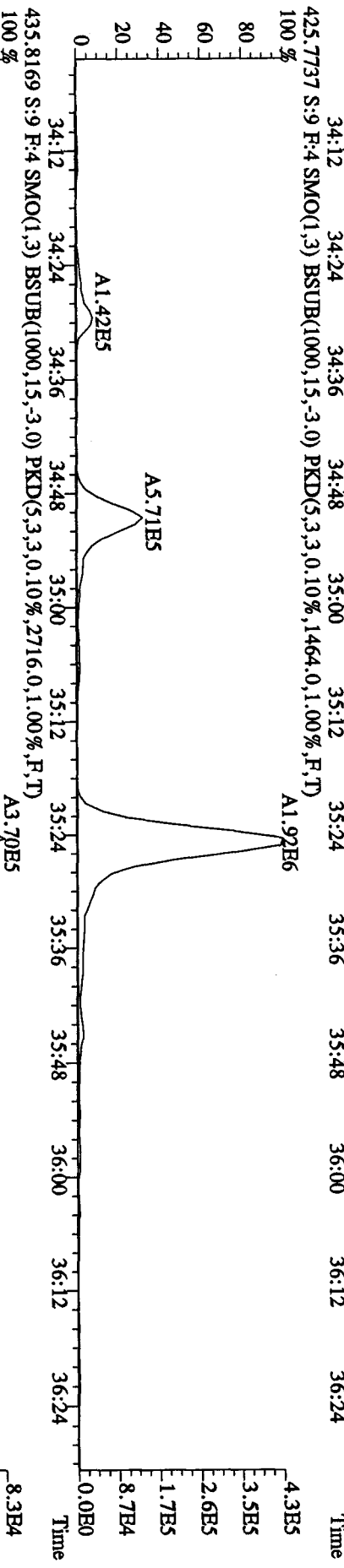
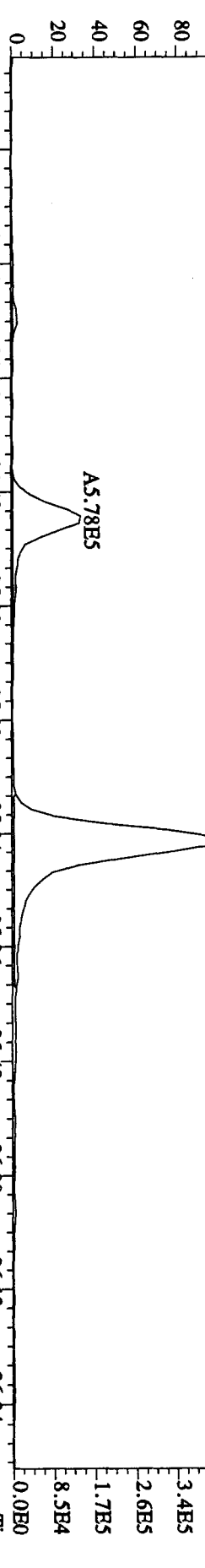
File: 30API04D5 #1-198 Acq: 30-APR-2010 14:10:38 GC FI+ Voltage SIR Autospec-Ultimate
Sample#9 Text: LXTAR-1-AE : G0D100464-1D Exp: DIOXINRES8290A
417.8253 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636.0,1.00%,F,T)
A2.02E5



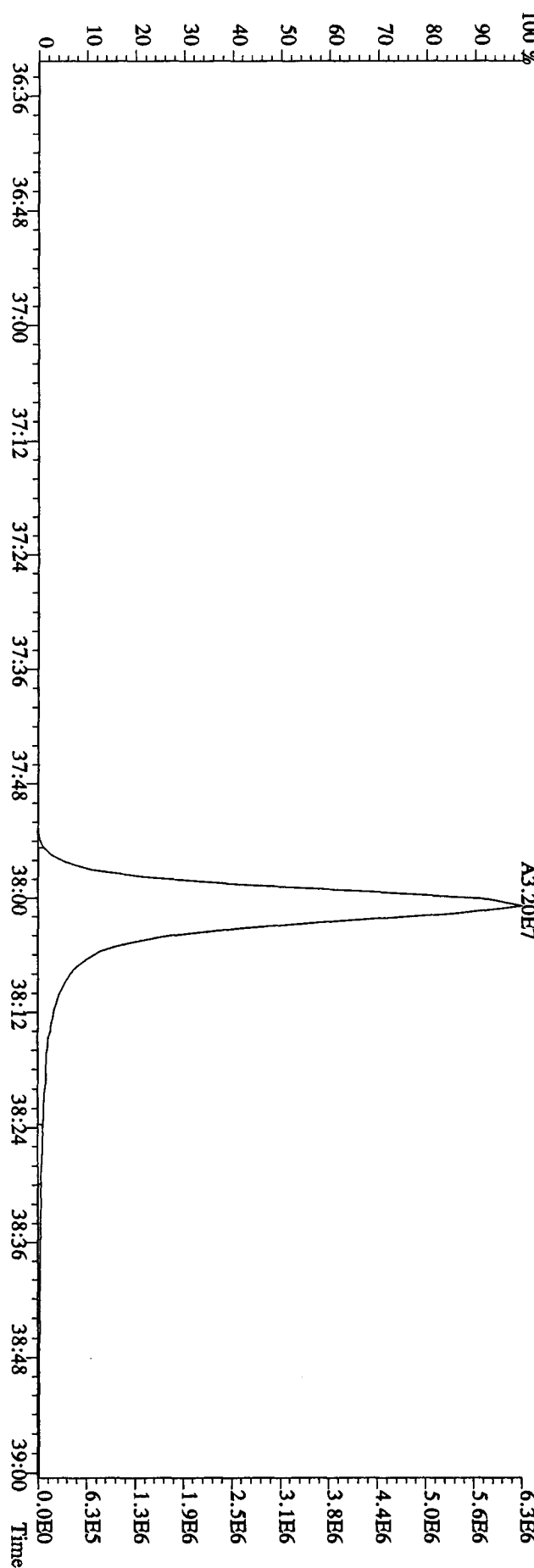
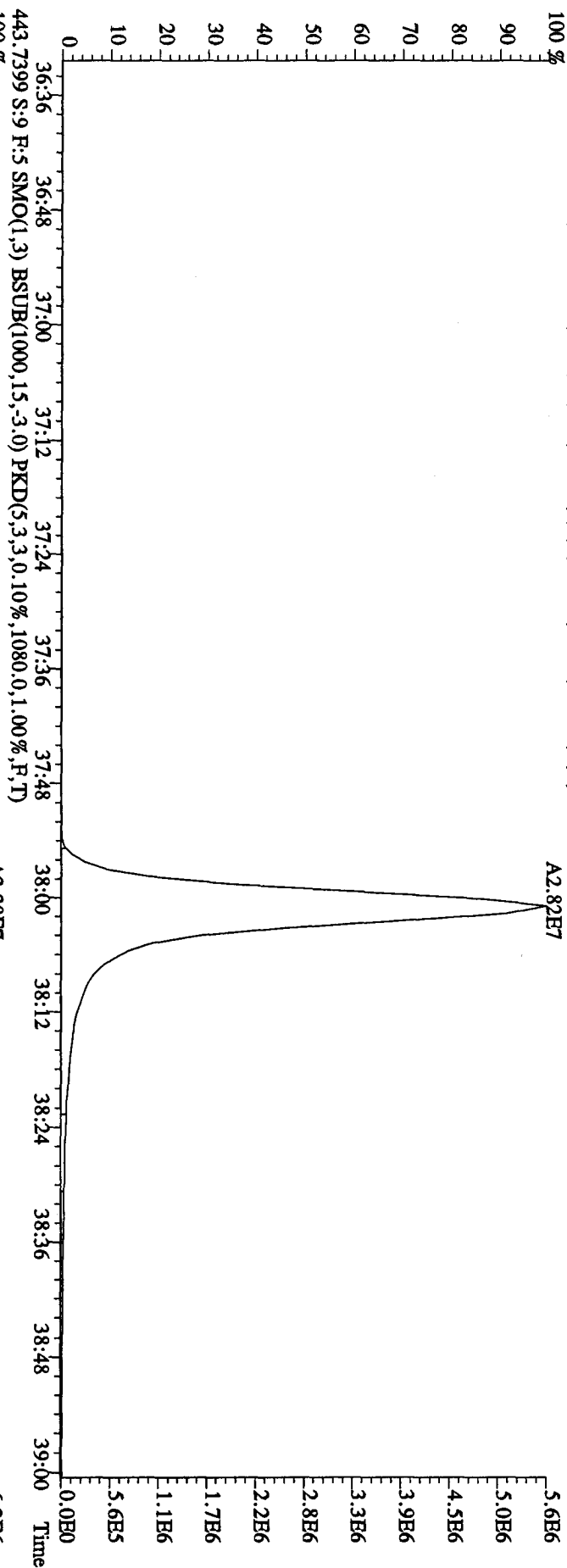
File:30API04D5 #1-198 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaE

Sample#9 Text:LXTAR-1-AB :GDD100464-ID [20X] Exp:DIOXINRES8290A

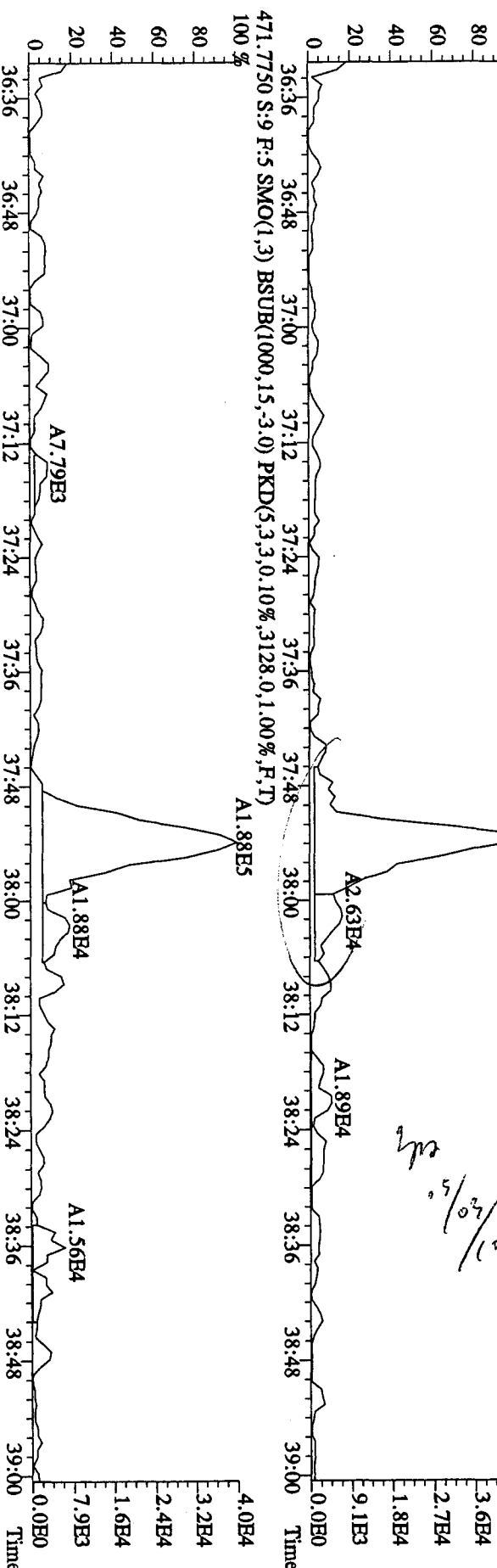
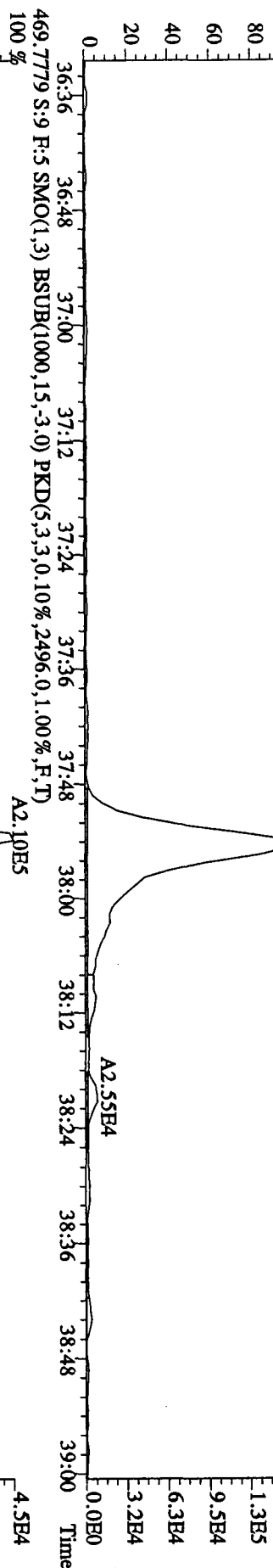
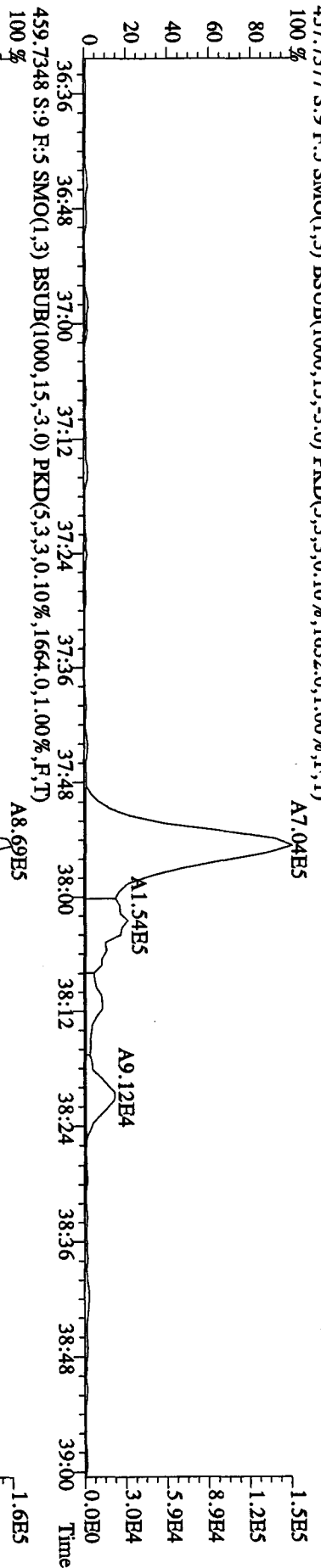
423.7766 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3620,0,1.00%,F,T)



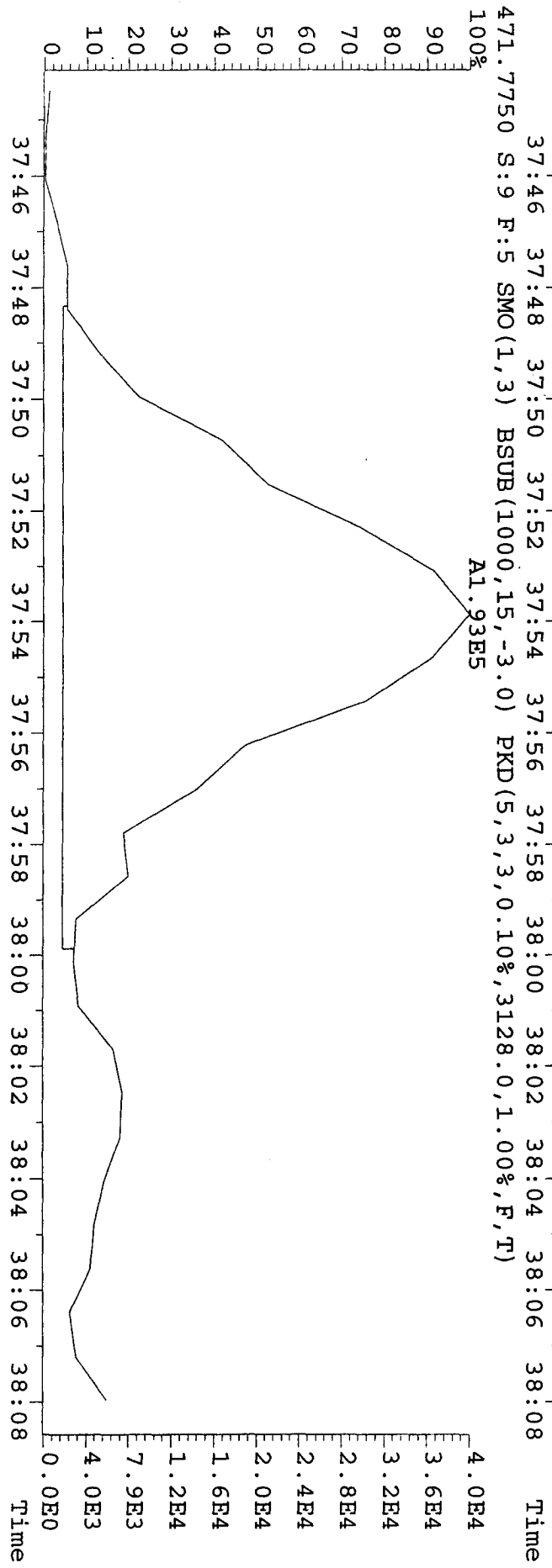
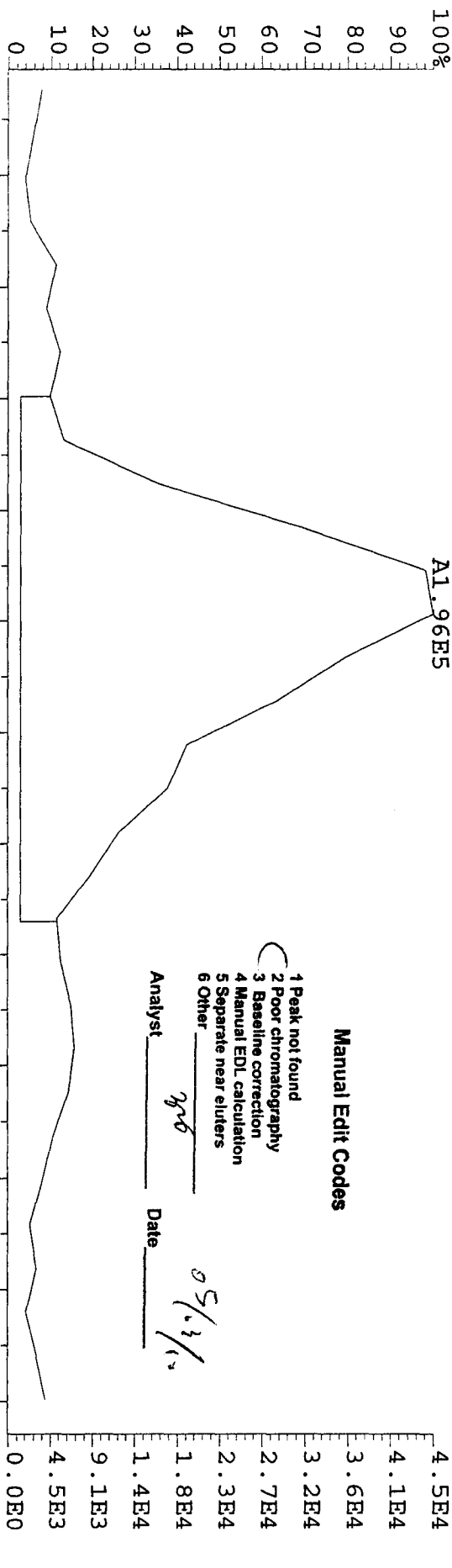
File:30AP104D5 #1-190 Acq:30-APR-2010 14:10:38 GC EI + Voltage SIR Autospec-UltimaB
Sample#9 Text:LXTAR-1-AE :GDD100464-1D [20X] Exp:DIOXINRES8290A
441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,768.0,1.00%,F,T)



File:30AP104D5 #1-190 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#9 Text:LXTAR-1-AE :GDD100464-ID [20X] Exp:DIOXINRES8290A
 457.7377 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1632.0,1.00%,F,T)



File: 30API04D5 #1-190 Acq: 30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 Text: LXTAR-1-AE : GOD100464-1D Exp: DIOXINRES8290A
 469.7779 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2496.0,1.00%,F,T)



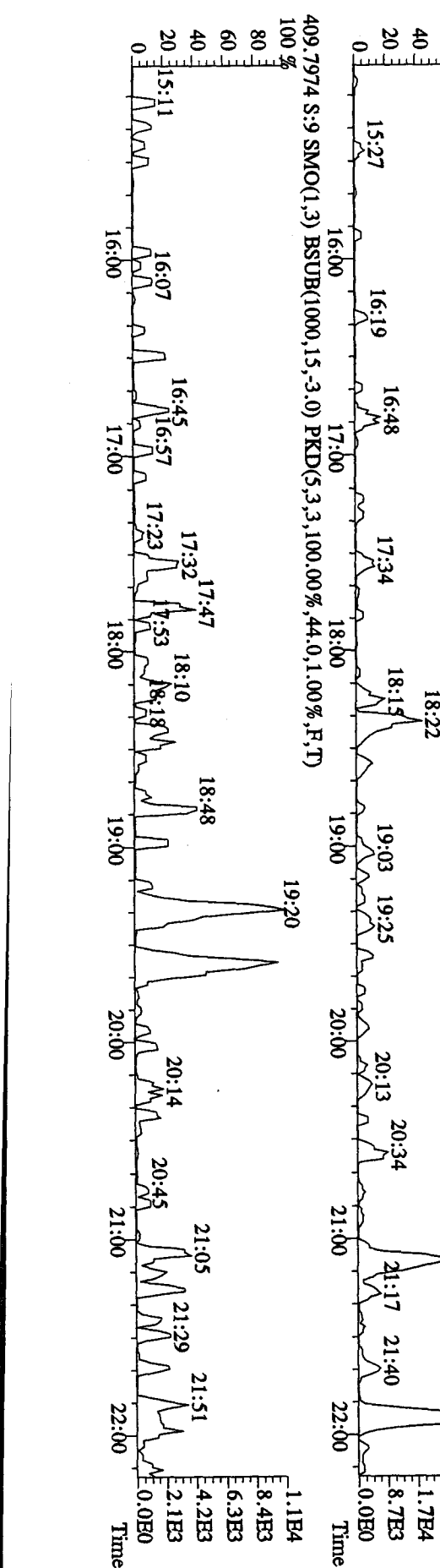
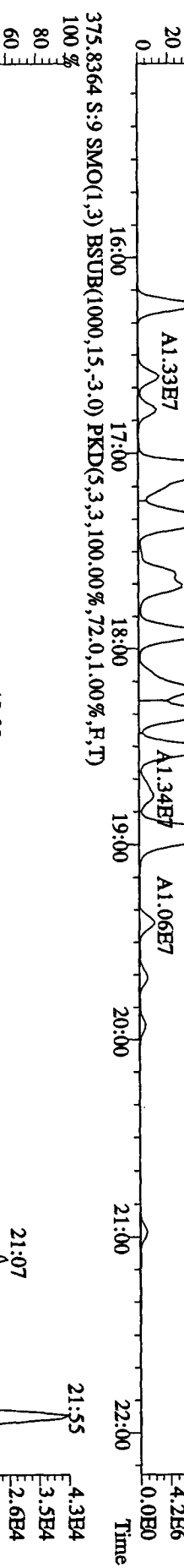
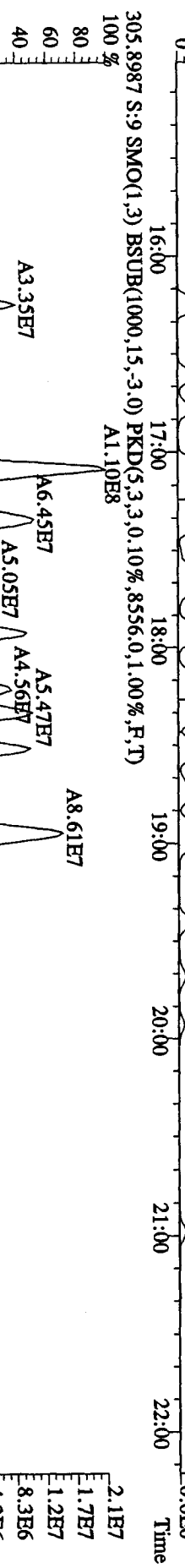
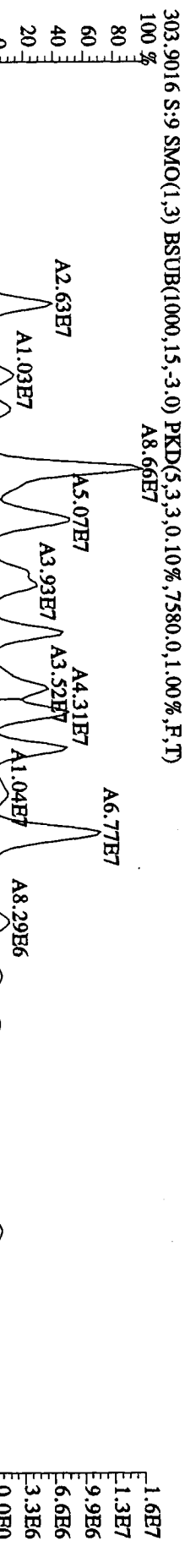
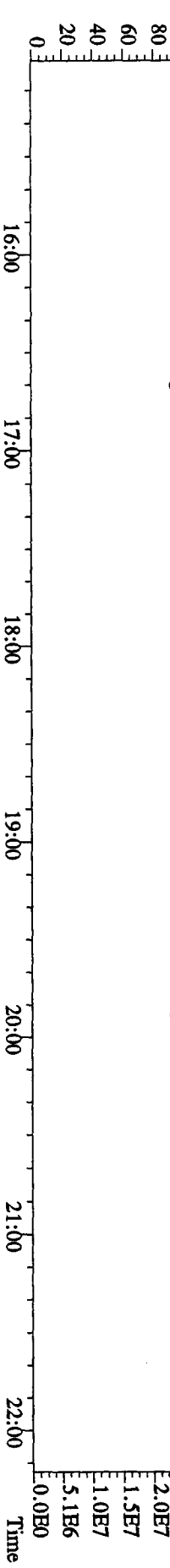
Manual Edit Codes

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

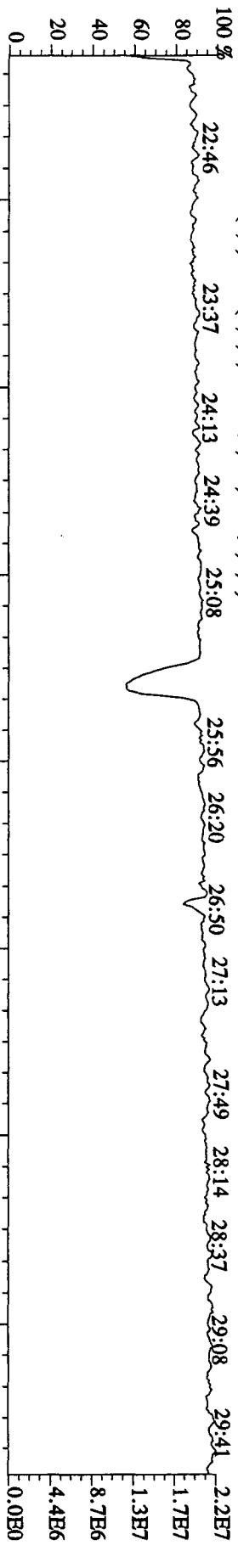
Analyst gwb

Date 05/11/10

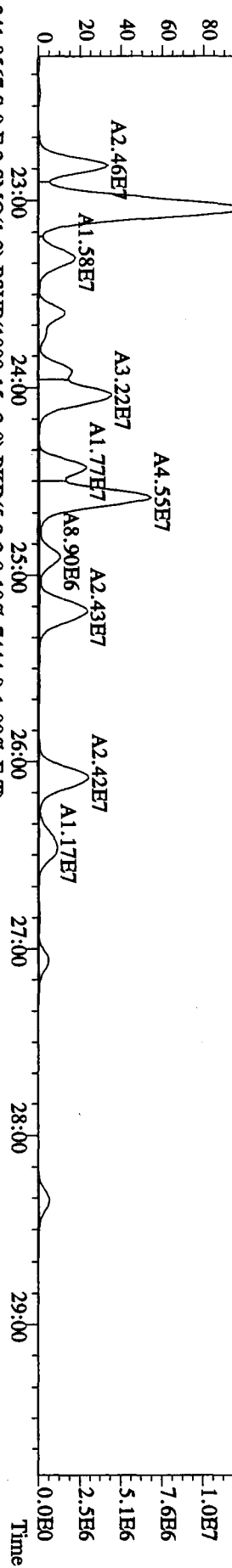
File:30AP104D5 #1-435 Acq:30-APR-2010 14:10:38 GC EI + Voltage SIR Autospec-Ultimate
 Sample#9 Text:LXTAR-1-AB :GOD100464-1D [20X] Exp:DIOXINRES8290A
 354.9792 S:9 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 15:18 15:41 16:16 16:43 17:08 17:32 18:09 18:31 19:17 19:44 20:23 20:57 21:27 22:02 2:5E7



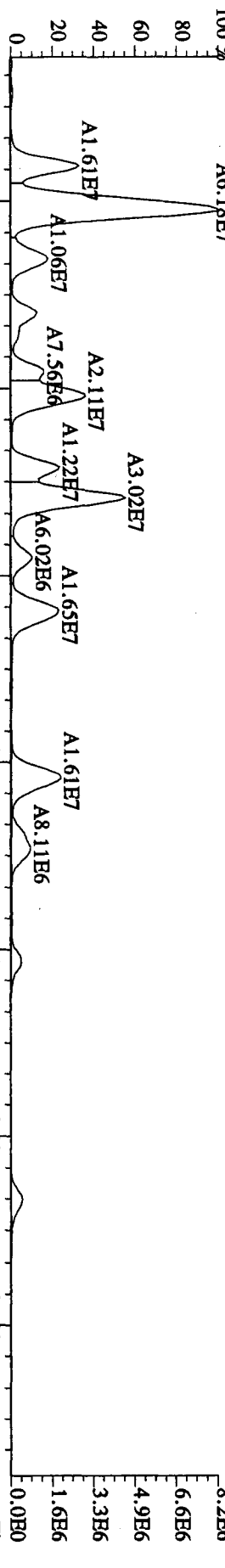
File: 30AP104D5 #1-604 Acq: 30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#9 Text: LXTAR-1-AB :G0D100464-1D [20X] Exp: DIOXINRES8290A
 354.9792 S:9 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



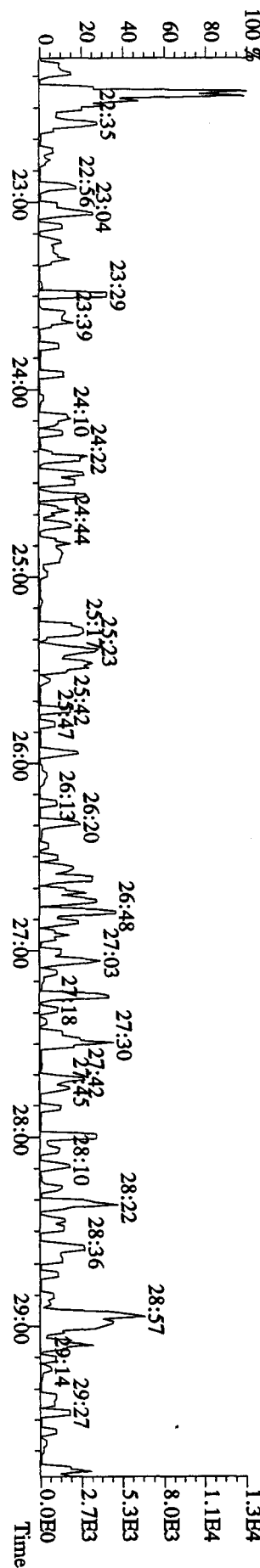
339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42284,0,1.00%,F,T)
 100% A9.40E7



341.8567 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7444,0,1.00%,F,T)
 100% A6.18E7



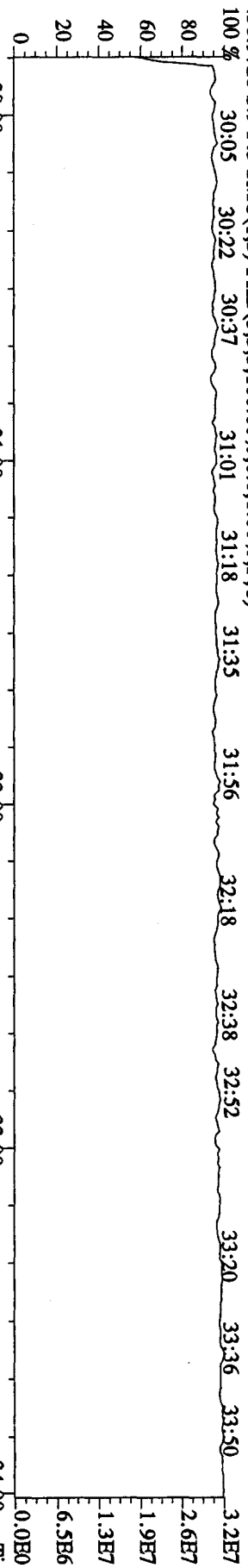
409.7974 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,68.0,1.00%,F,T)
 100%



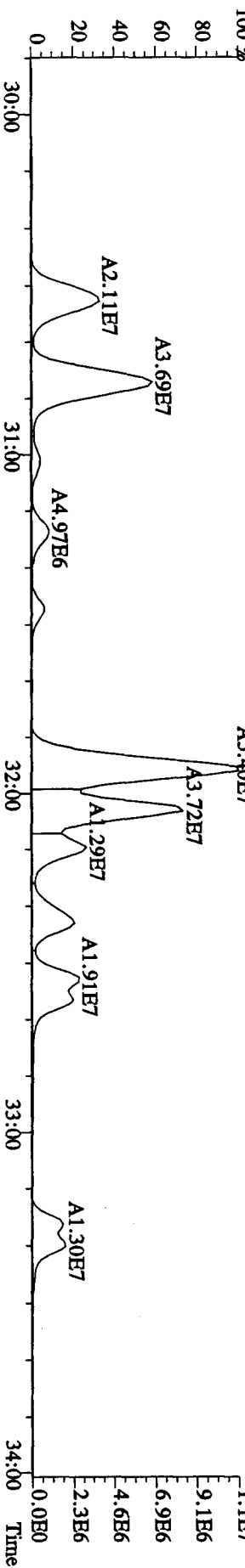
File:30API04D5 #1-317 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-Ultimate

Sample#9 Text:LXTAR-1-AE :GOD100464-1D [20X] Exp:DIOXINRES8290A

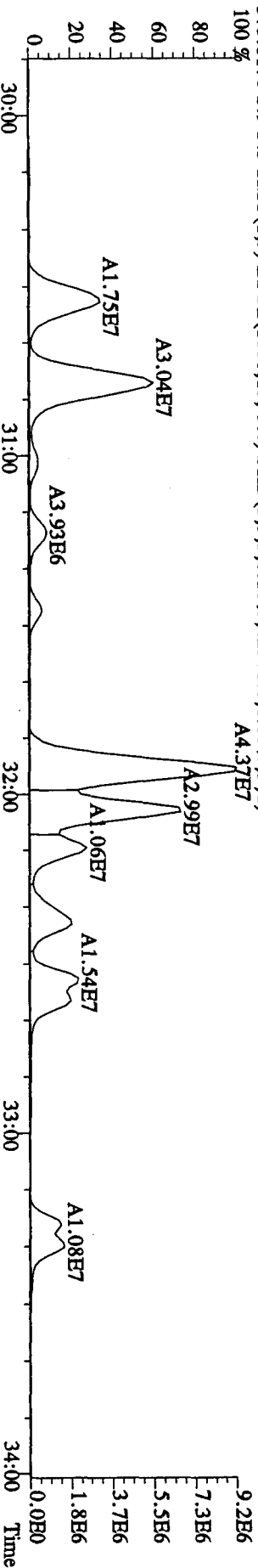
430.9728 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



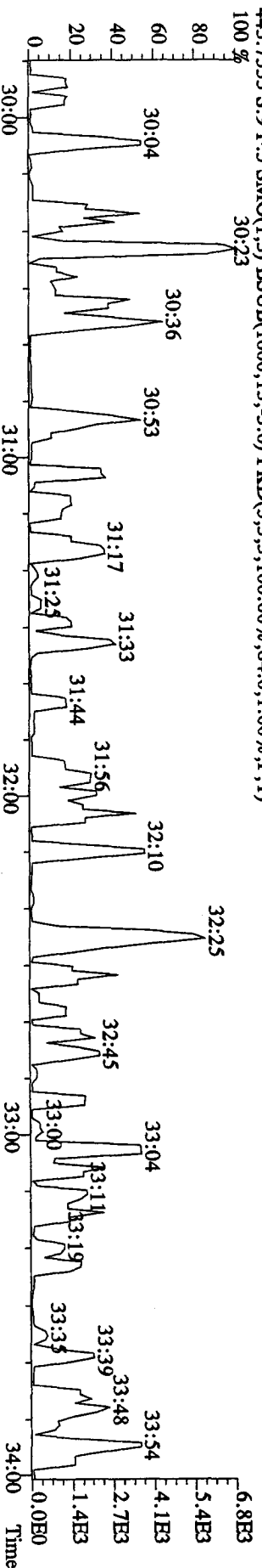
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,50920,0.1,0.0%,F,T)

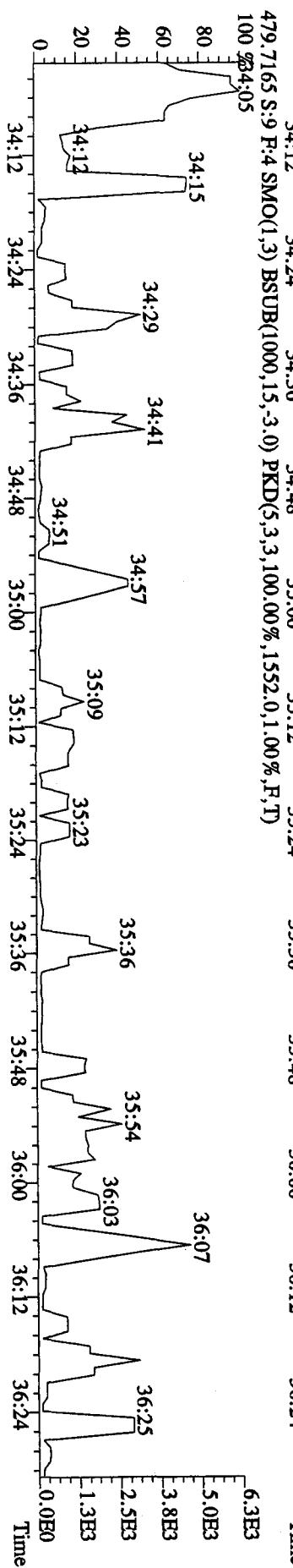
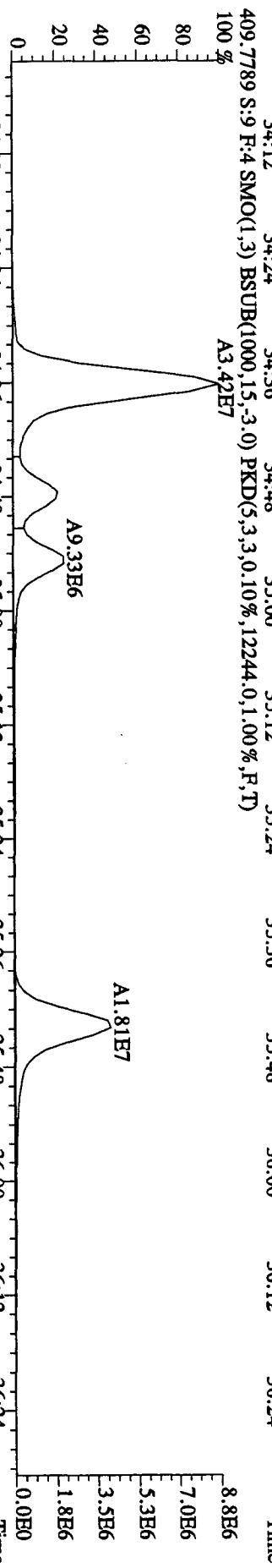
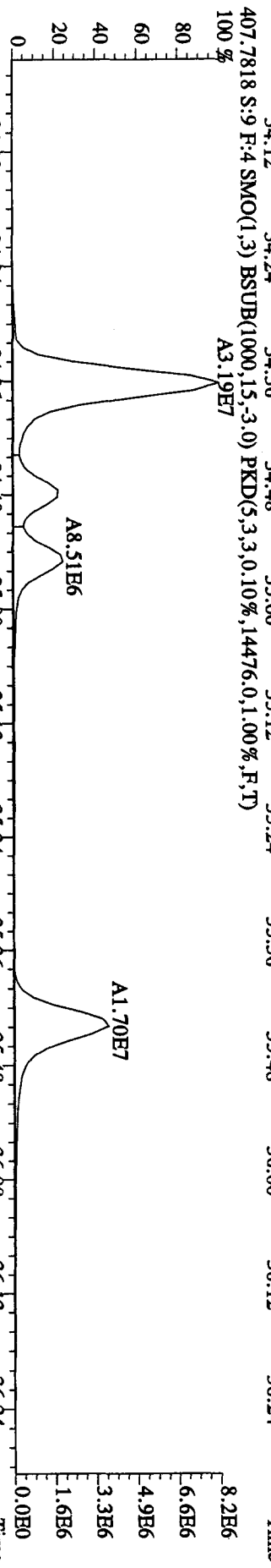
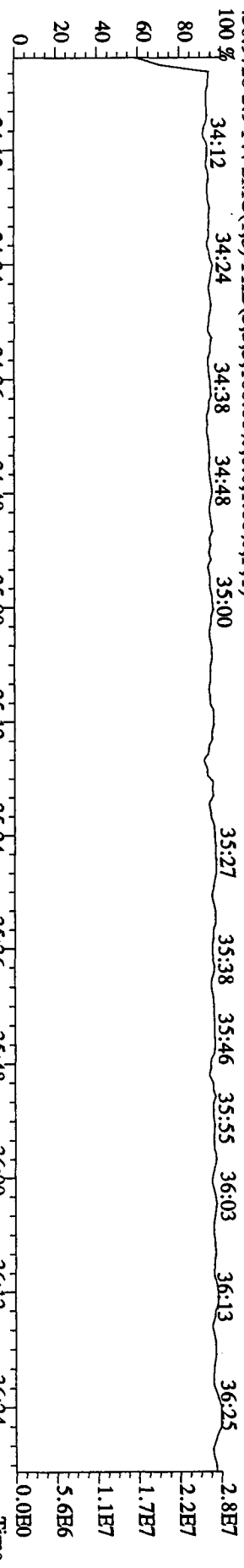


375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42508,0.1,0.0%,F,T)

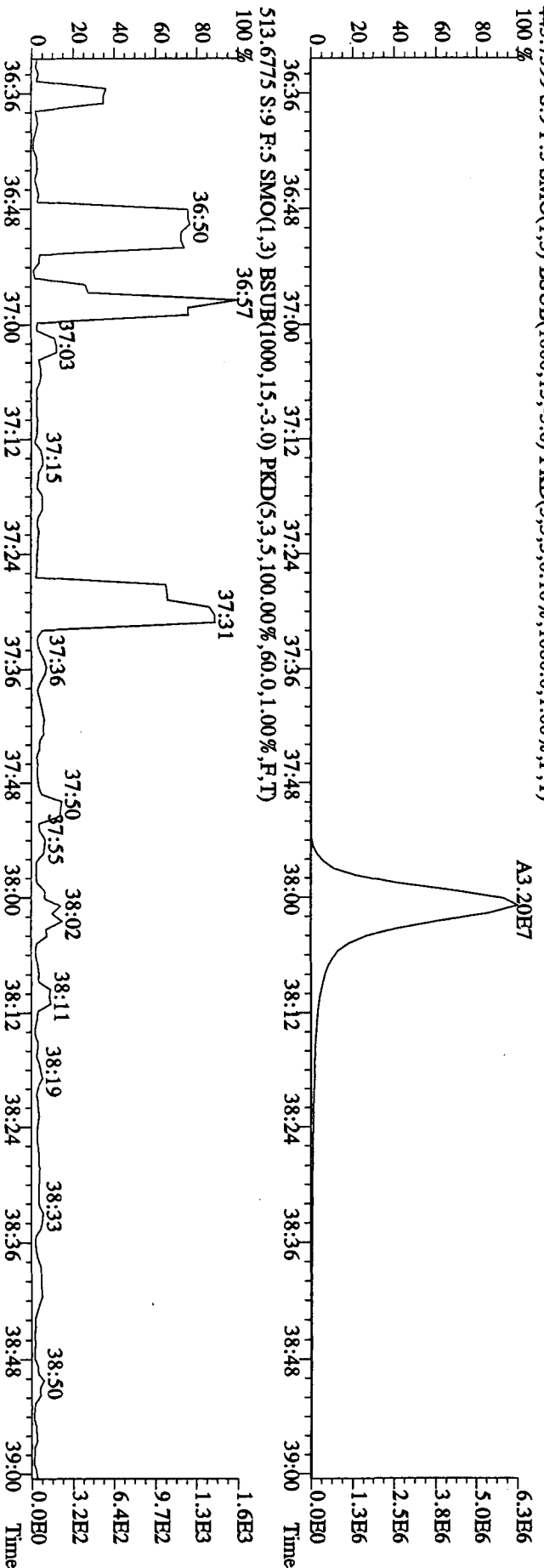
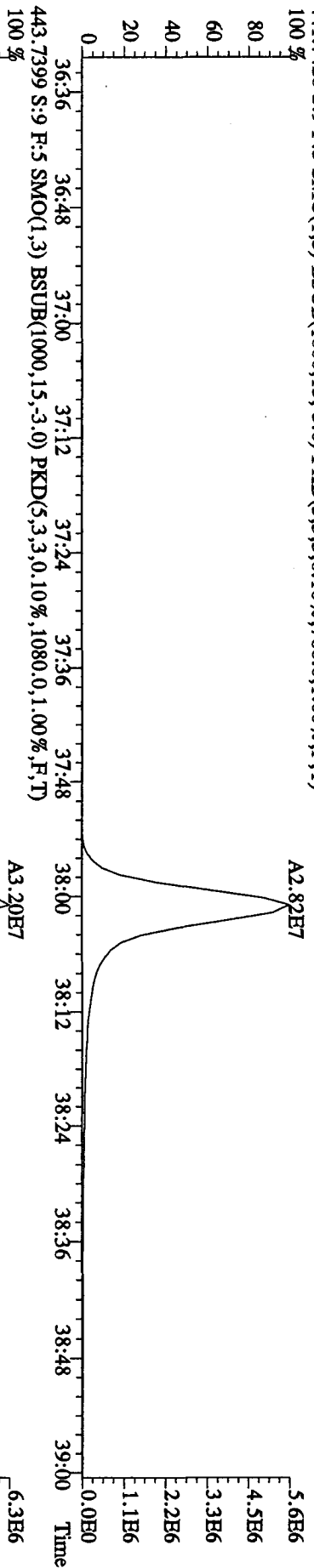
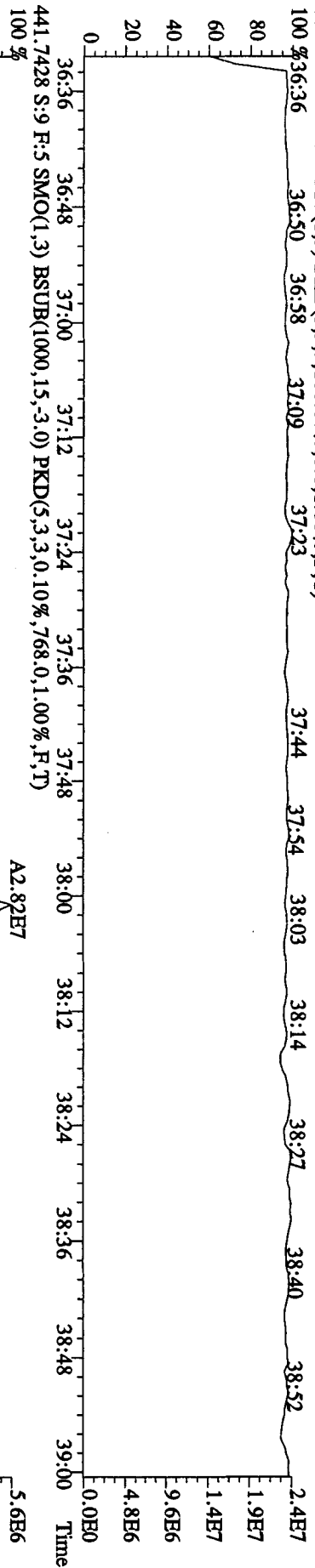


445.7555 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)





File:30AP104D5 #1-190 Acq:30-APR-2010 14:10:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 Text:IXTAR-1-AB :G0D100464-1D [20X] Exp:DIOXINRES8290A
 442.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %36:36 36:50 36:58 37:09 37:23 37:44 37:54 38:03 38:14 38:27 38:40 38:52 2.4E7

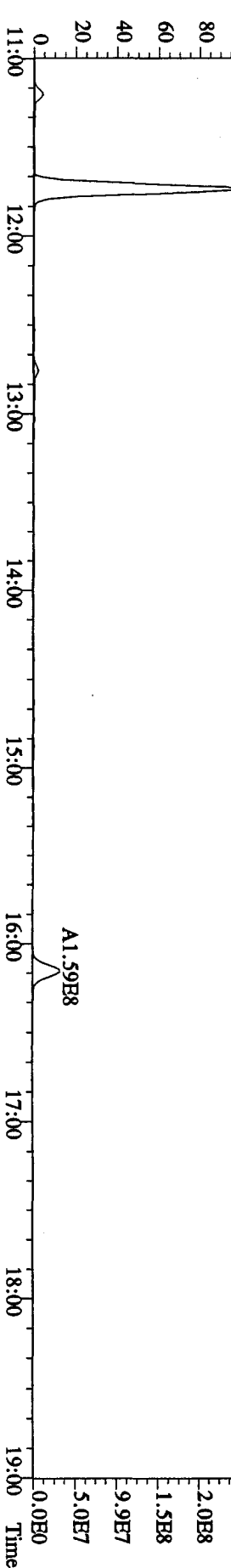
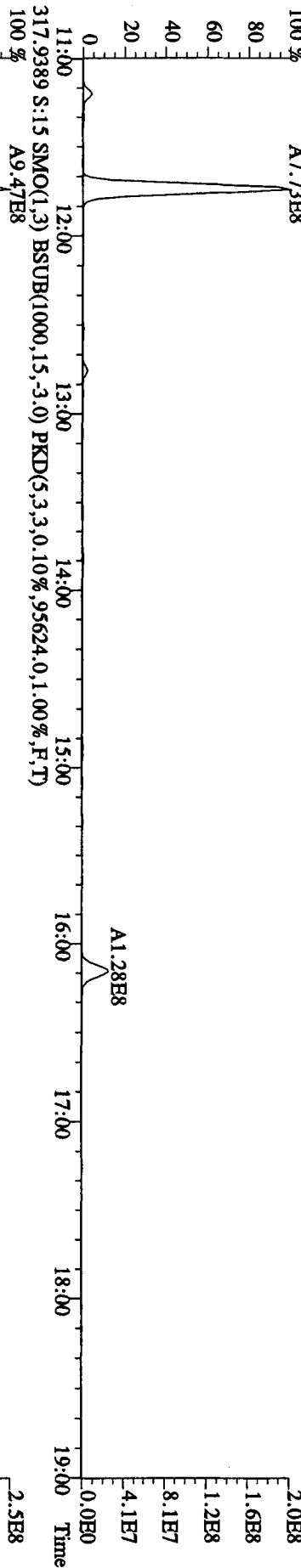
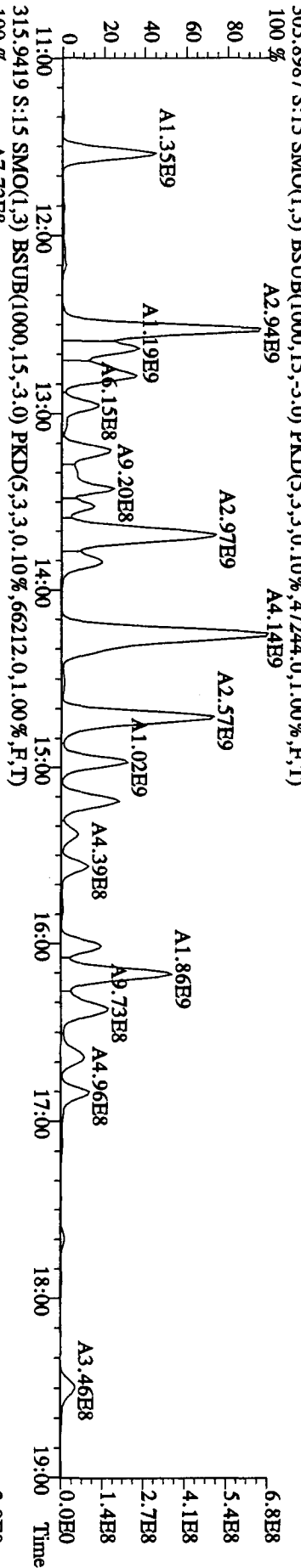
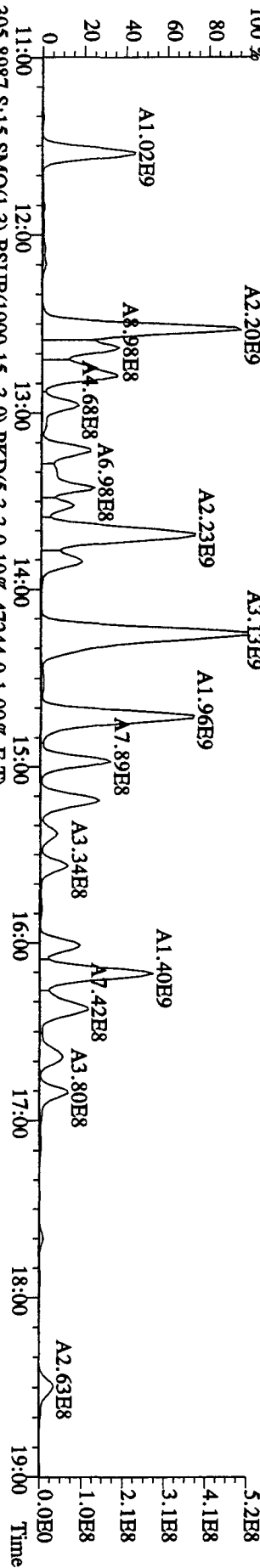


Run text: LXTAR-1-AE Sample text: GOD100464-1SD
 Run #19 Filename: 29AP105D2 S: 15 I: 1 Results: 29AP105D2DB225
 Acquired: 29-APR-10 17:15:29 Processed: 29-APR-10 19:12:04
 Run: 29AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.05007g

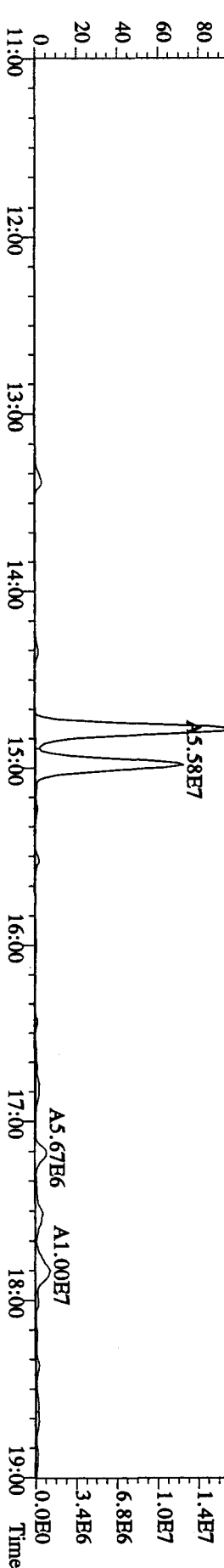
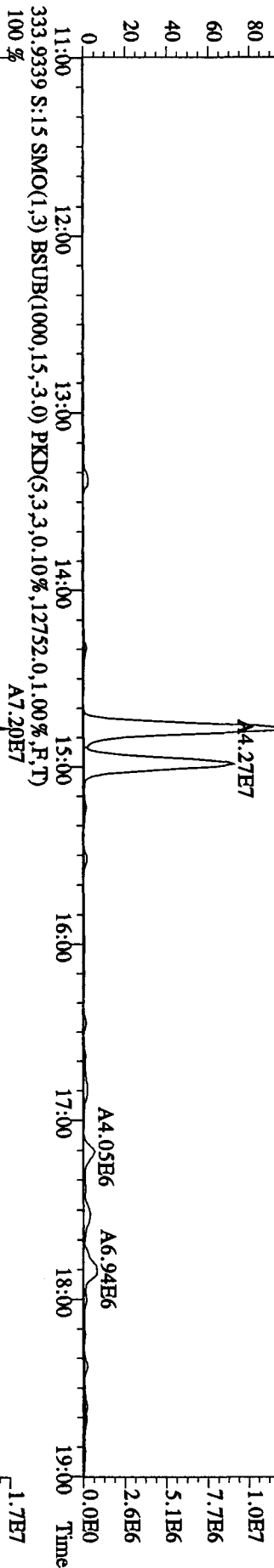
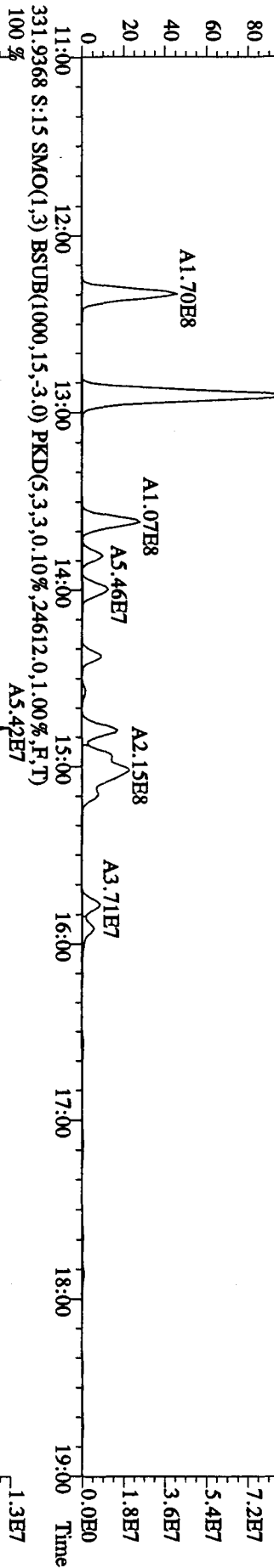
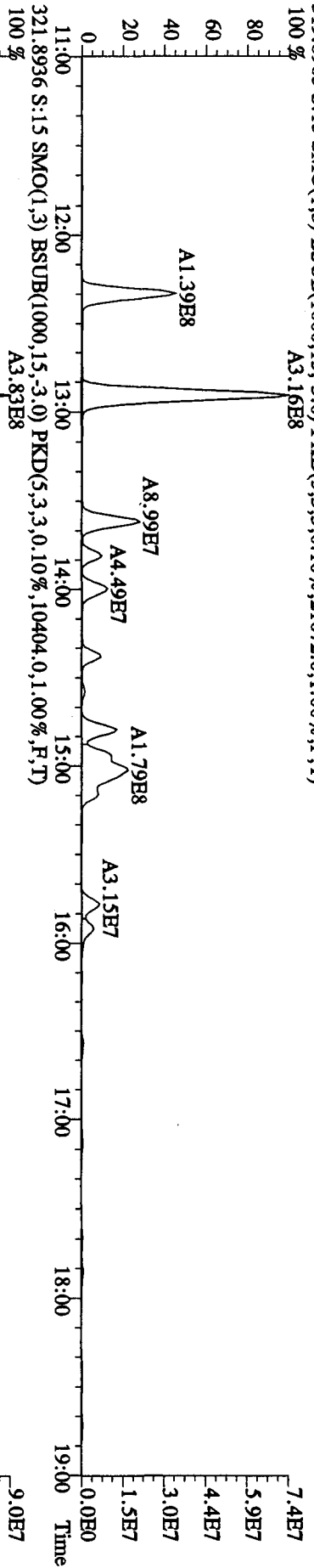
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	98554200	0.76 y	14:59	-	9.86	-	-	n
13C-2,3,7,8-TCDF	286608000	0.80 y	16:10	2.11	137.38	1.06	69.0	n
2,3,7,8-TCDF	3263740000	0.75 y	16:11	1.09	2082.00	0.92	-	n
13C-2,3,7,8-TCDD	126157300	0.75 y	14:47	0.95	134.29	0.54	67.5	n
2,3,7,8-TCDD	132594000	0.82 y	14:48	1.36	154.10	0.46	-	n
37Cl-2,3,7,8-TCDD	134383200	1.00 y	14:48	2.28	59.56	0.93	74.8	n

E. Con. G

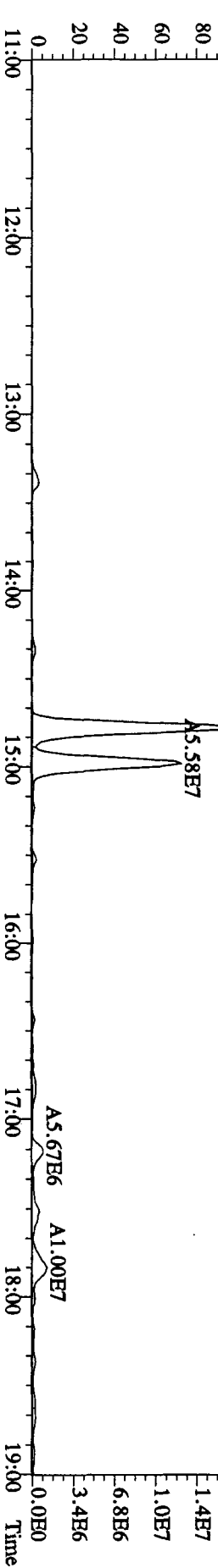
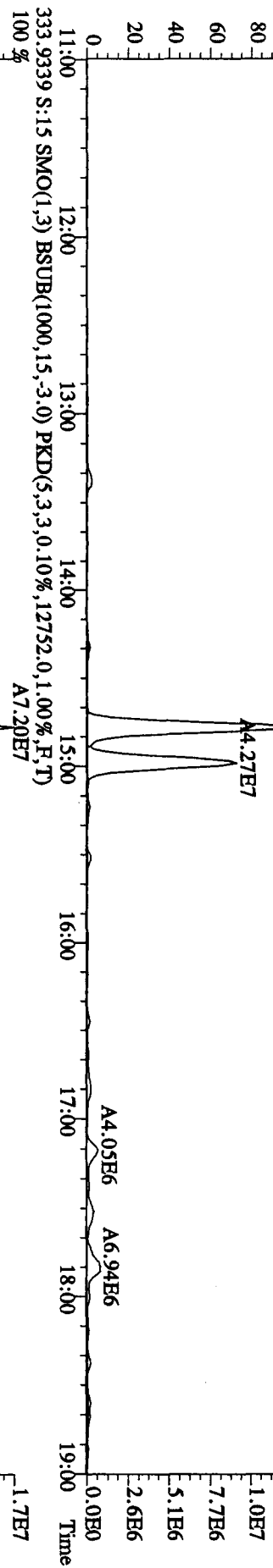
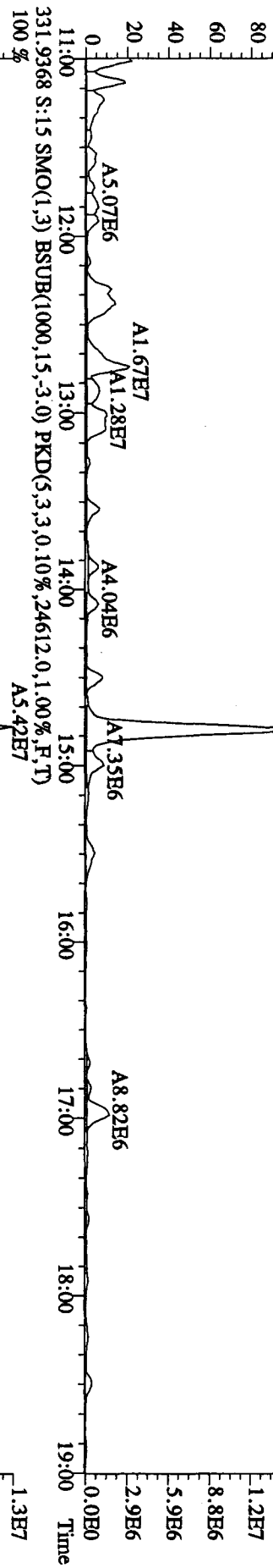
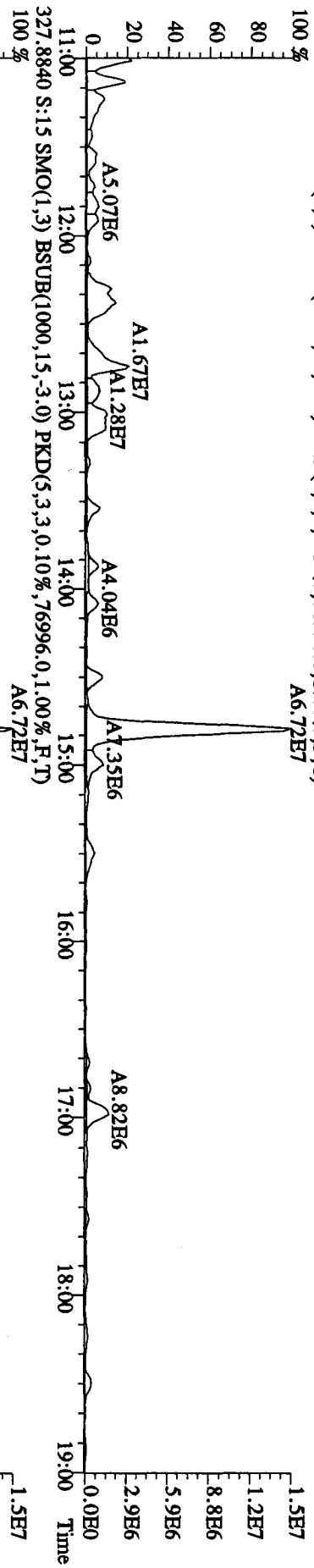
326 04/30/10



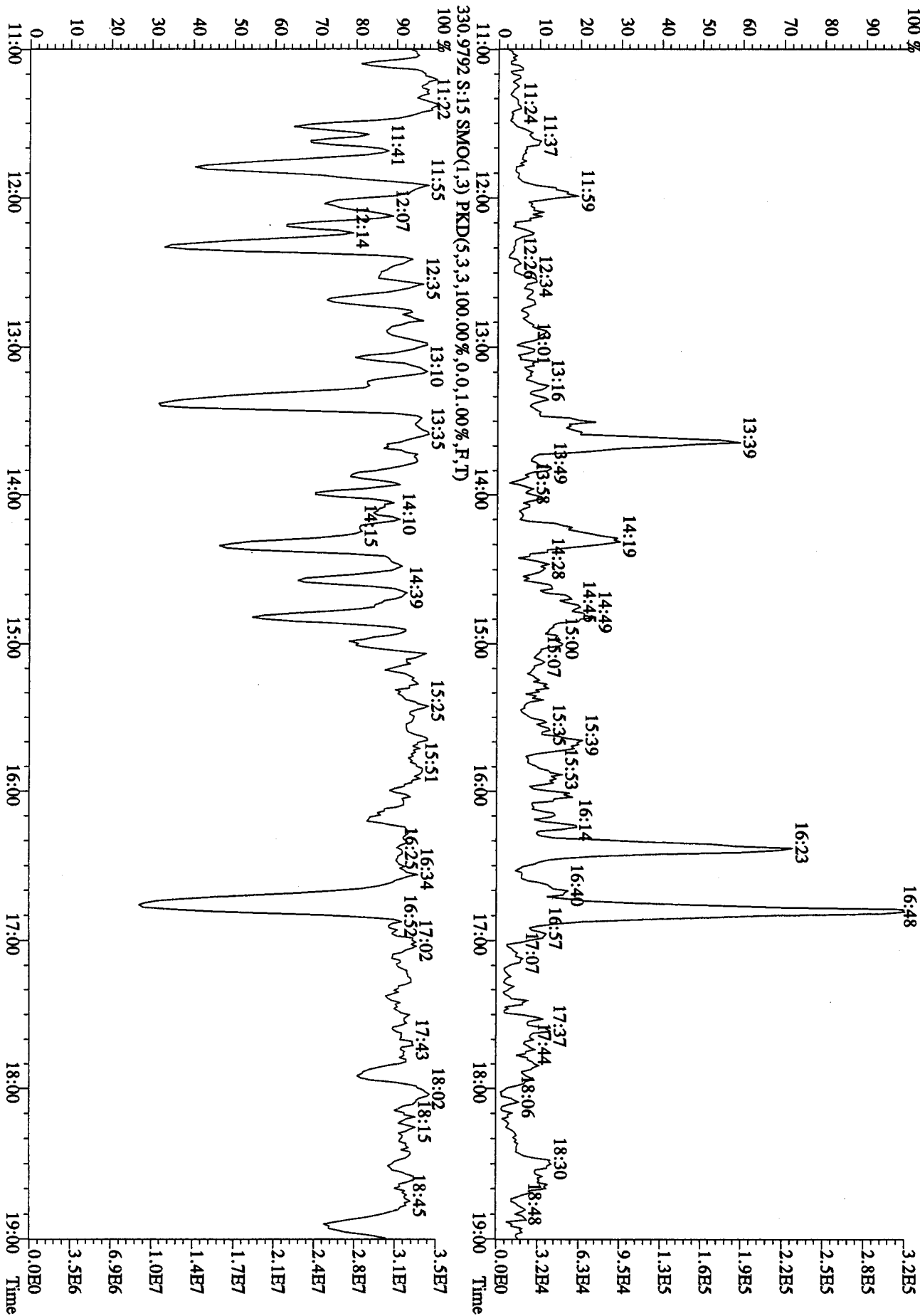
File: 29AP105D2 #1-1242 Acq: 29-APR-2010 17:15:29 GC EI+ Voltage SIR 70SE
 Sample#15 Text: LXTAR-1-AE :GOD100464-1SD Exp: DB225RES
 319.8965 S:1.5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21072.0,1.00%,F,T)
 100% A3.16E8



File: 29AP105D2 #1-1242 Acq: 29-APR-2010 17:15:29 GC FI + Voltage SIR 70SE
 Sample#15 Text: LXTAR-1-AE :G0D100464-1SD Exp: DB225RES
 327.8840 S:1.5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,76996,0,1,1.00%,F,T) 100% A6.72E7



File:29AP105D2 #1-1242 Acq:29-APR-2010 17:15:29 GC FI+ Voltage SIR 70SB
 Sample#15 Text:LXTAR-1-AE :G0D100464-1SD Exp:DB225RBS
 375.8364 S:1.5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2.5636,0.1,1.00%,F,T)



Method ID 8290

Associated ICAL DB2250421105D2

Column ID DB-225

Instrument ID 5D2

STD ID ST0429, ST0429A

STD Solution 10DXN111

Analyzed by AS

Date Analyzed 4-29-10

Std. Pkg. By AM

Date Std. Pkg. Assembled 4-29-10

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? (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: ST0429 File text: CS3 10DXN111
 Run #6 Filename 29AP105D2 S: 1 I: 1
 Acquired: 29-APR-10 08:36:16 Processed: 29-APR-10 19:10:28
 Run: 29AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 29AP105D2DB225

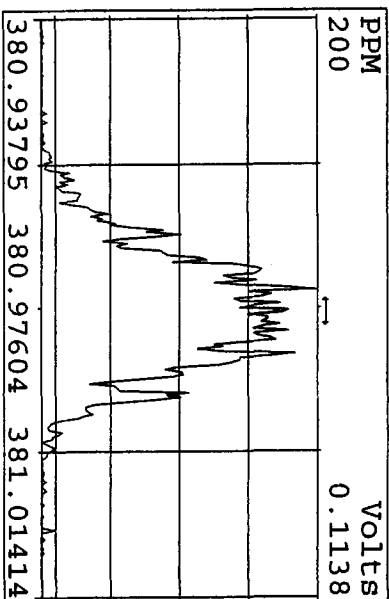
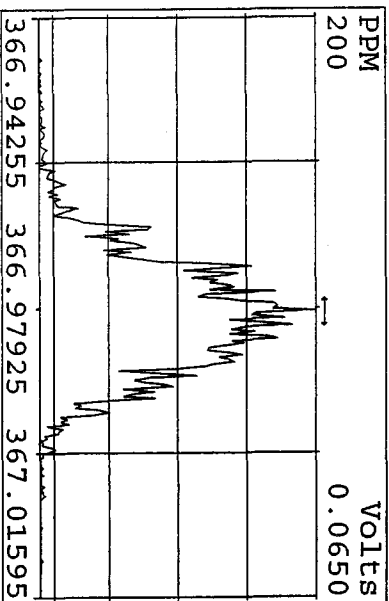
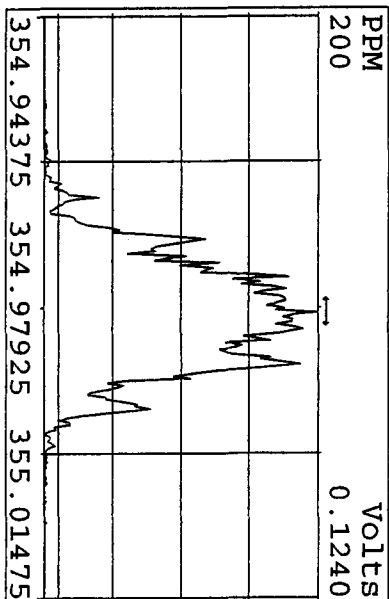
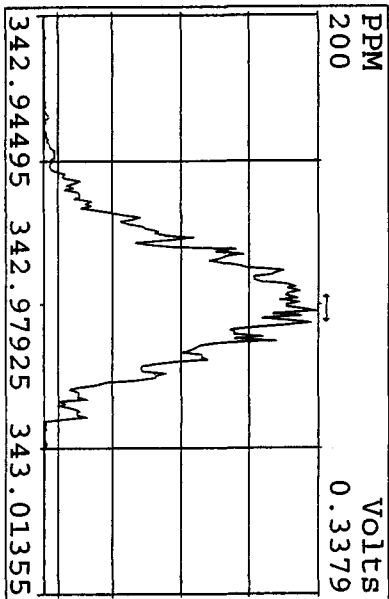
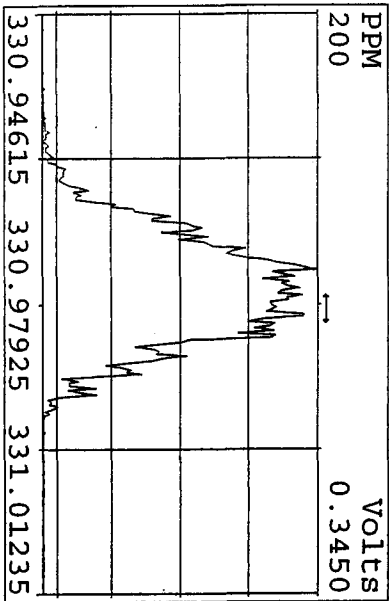
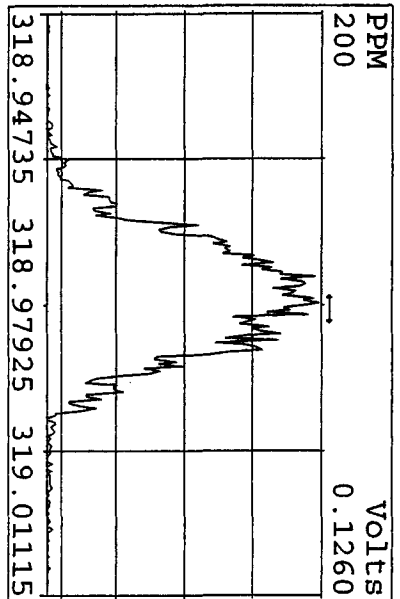
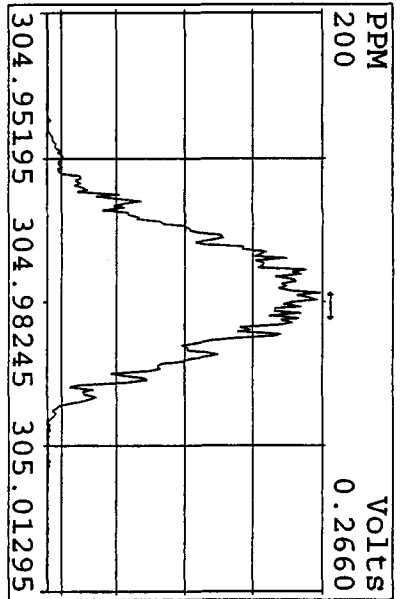
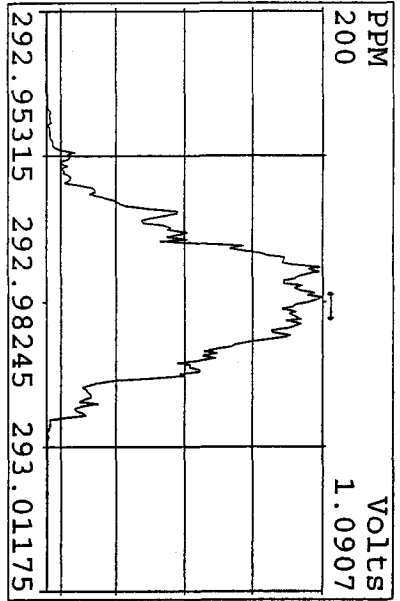
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	87868300	0.77 y	15:01	-	100.00	-	n
13C-2,3,7,8-TCDF	177530600	0.83 y	16:11	2.02	100.00	-4.1	n
2,3,7,8-TCDF	19047140	0.76 y	16:13	1.07	10.00	-1.4	n
13C-2,3,7,8-TCDD	86286700	0.75 y	14:48	0.98	100.00	3.5	n
2,3,7,8-TCDD	12539550	0.82 y	14:50	1.45	10.00	7.1	n
37Cl-2,3,7,8-TCDD	20096800	1.00 y	14:50	2.29	10.00	0.4	n

Run text: ST0429A File text: CS3 10DXN111
Run #20 Filename 29AP105D2 S: 17 I: 1
Acquired: 29-APR-10 18:29:40 Processed: 29-APR-10 19:12:04
Run: 29AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 29AP105D2DB225

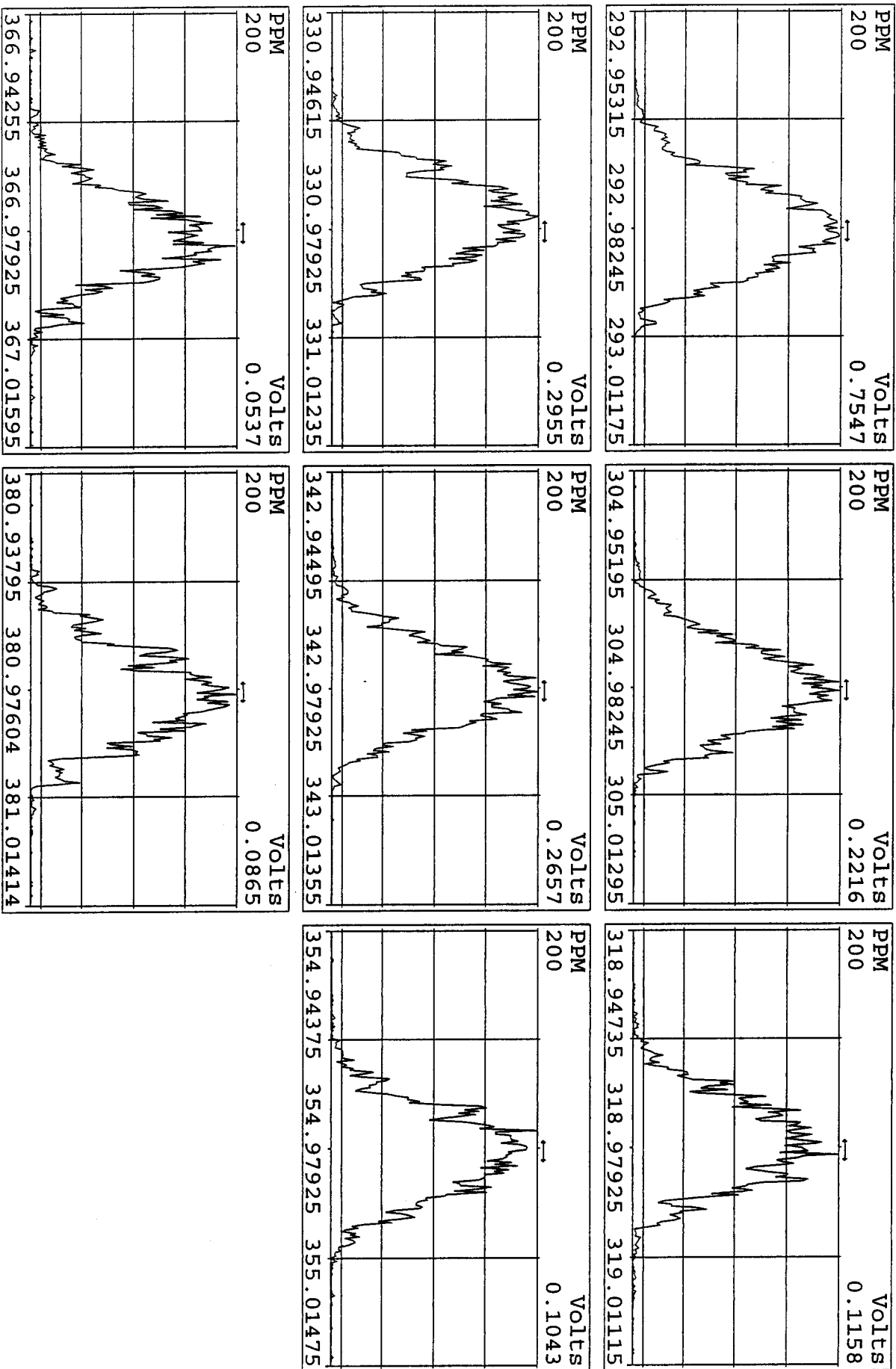
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	89059200	0.76 y	14:56	-	100.00	-	n
13C-2,3,7,8-TCDF	180240700	0.82 y	16:07	2.02	100.00	-3.9	n
2,3,7,8-TCDF	19507600	0.75 y	16:08	1.08	10.00	-0.6	n
13C-2,3,7,8-TCDD	89059800	0.75 y	14:44	1.00	100.00	5.4	n
2,3,7,8-TCDD	12829170	0.84 y	14:45	1.44	10.00	6.1	n
37Cl-2,3,7,8-TCDD	21042200	1.00 y	14:45	2.36	10.00	3.7	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
29AP105D2	1	ST0429	CS3 10DXN111				1.000	
29AP105D2	2	CP0429	DB-225 CPSM 3732-06				1.000	
29AP105D2	3	SB0429	Solvent Blank C-14				1.000	
29AP105D2	4	LX7EN-2-AC	G0D190475-1 RX	20	8290/SOLID	84	10.010 g	
29AP105D2	5	LX7EW-2-AC	G0D190475-6 RX	20	8290/SOLID		10.140 g	
29AP105D2	6	LX7ER-2-AC	G0D190475-4 RX	20	8290/SOLID		10.480 g	
29AP105D2	7	LXV55-1-AE	G0D130435-21	10	8290/SOLID	73	10.120 g	
29AP105D2	8	LXV57-1-AD	G0D130435-22	10	8290/SOLID		10.680 g	
29AP105D2	9	LXV59-1-AD	G0D130435-23	10	8290/SOLID		10.650 g	
29AP105D2	10	LXV6A-1-AE	G0D130435-24	10	8290/SOLID		10.190 g	
29AP105D2	11	LX0RC-1-AD	G0D140543-52	10	8290/SOLID	75	10.010 g	
29AP105D2	12	LX0QG-1-AD	G0D140543-27	10	8290/SOLID		10.160 g	
29AP105D2	13	LXTAR-1-AC	G0D100464-1	10	8290/SOLID	73	10.180 g	
29AP105D2	14	LXTAR-1-AD	G0D100464-1MS	10	8290/SOLID		10.100 g	
29AP105D2	15	LXTAR-1-AE	G0D100464-1SD	10	8290/SOLID		10.050 g	
29AP105D2	16	SB0429A	Solvent Blank C-14				1.000	
29AP105D2	17	ST0429A	CS3 10DXN111				1.000	
29AP105D2	18						1.000	
29AP105D2	19						1.000	
29AP105D2	20						1.000	
29AP105D2	21						1.000	
29AP105D2	22						1.000	
AP105D2	23		AS 04-29-10				1.000	
29AP105D2	24						1.000	

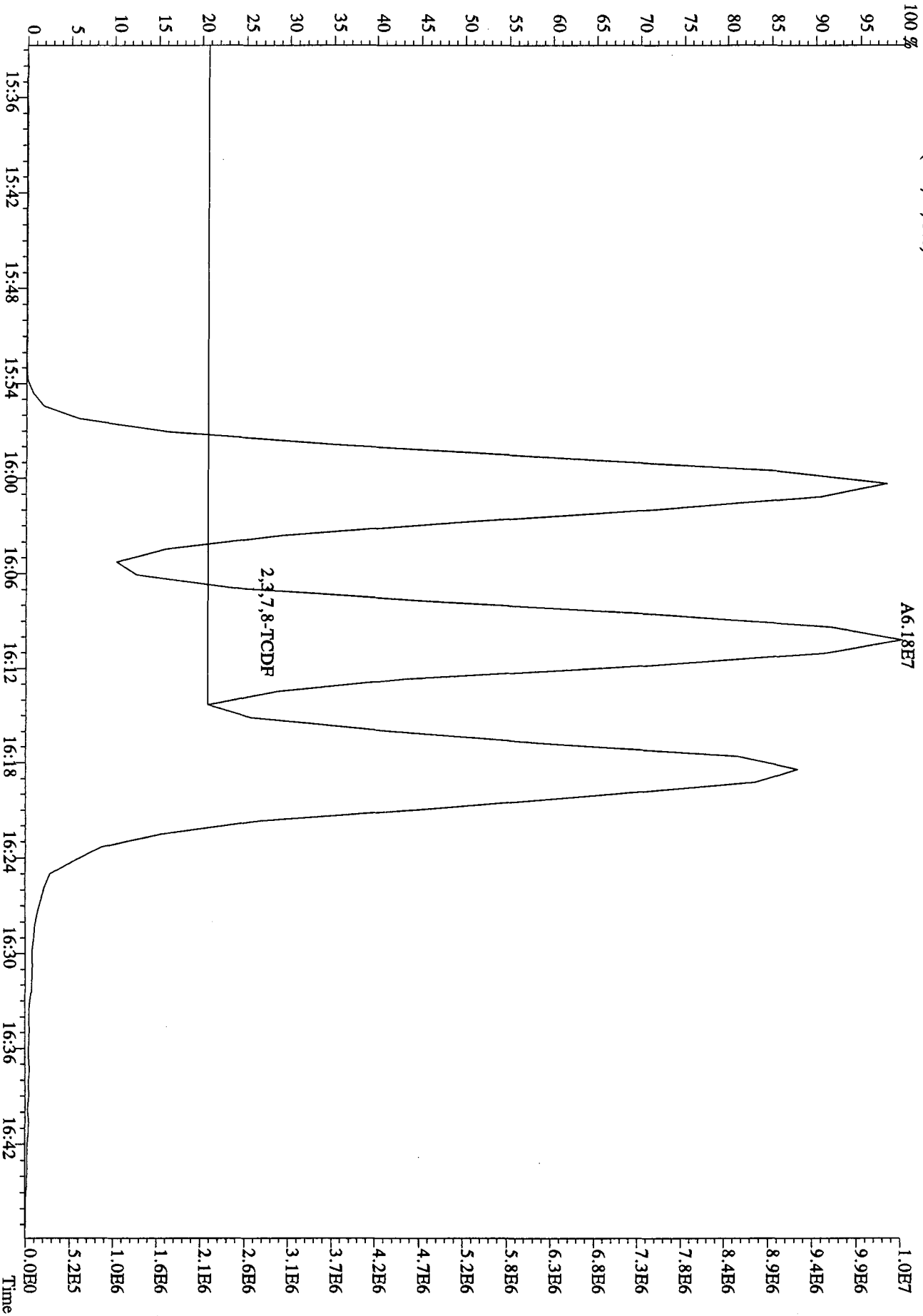
Peak Locate Examination: 29-APR-2010:08:35 File: 29API05D2
 Experiment: DB225RES Function: 1 Reference: PFK



Peak Locate Examination:29-APR-2010:19:56 File:RESCCK29AP105D2
 Experiment:DB225RES Function:1 Reference:PFK



File:29AP105D2 #1-1208 Acq:29-APR-2010 09:13:20 GC EI+ Voltage SIR 70SE
Sample#2 Exp:DB25RES
303.9016 S:2 BSUB(128,15,-3.0)

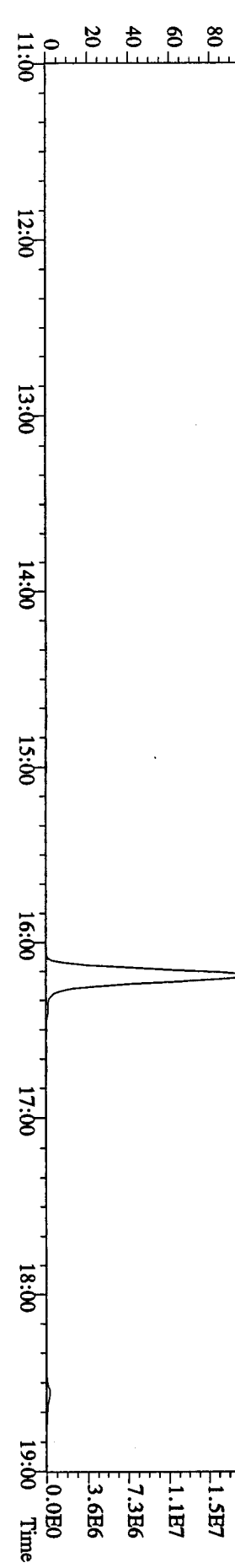
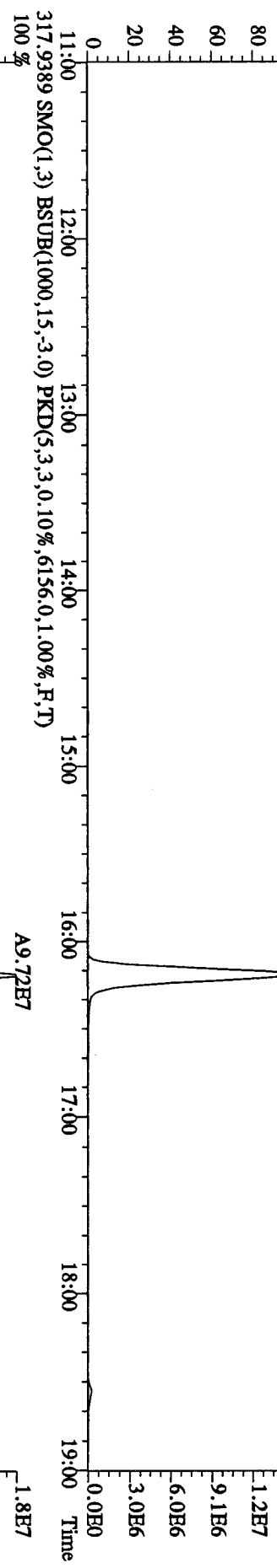
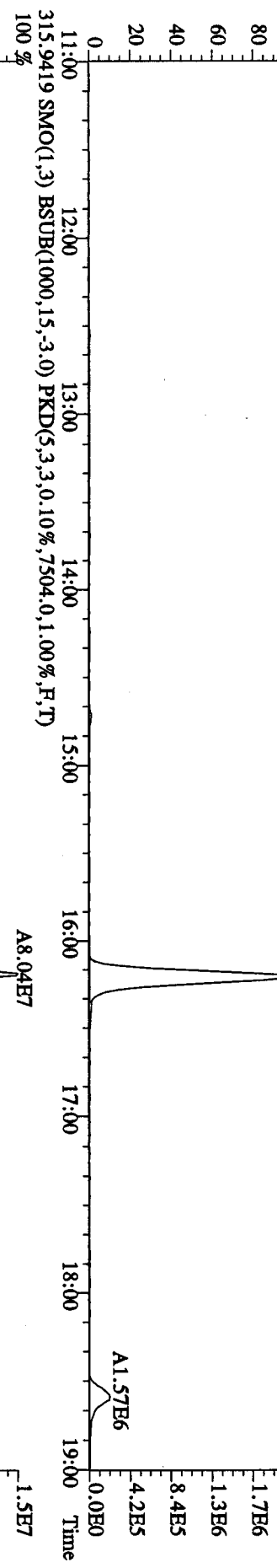
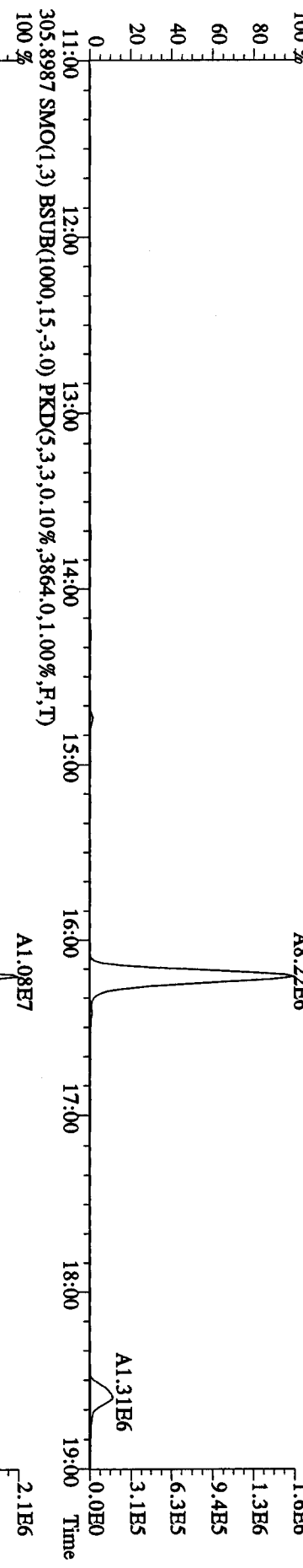


Run: 21API05D2 Analyte: DB225 Cal: DB2250421105D2

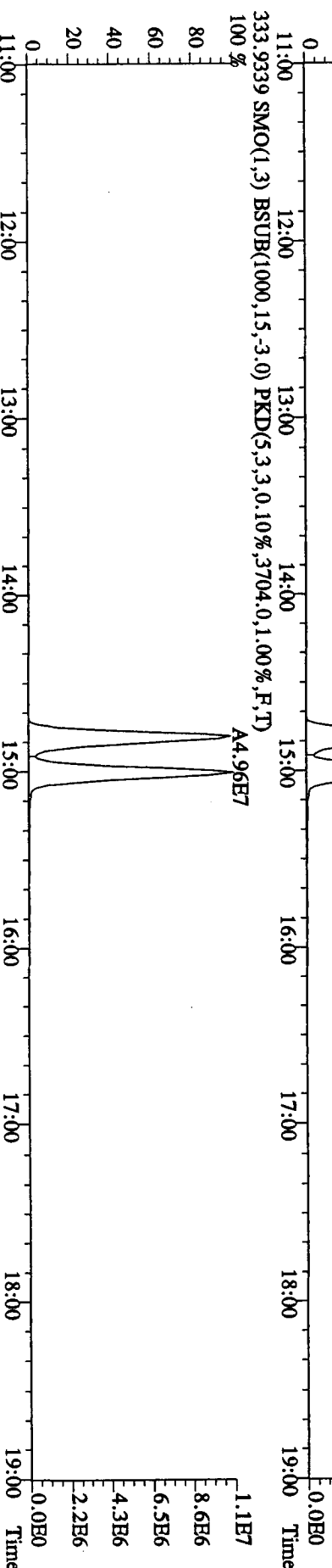
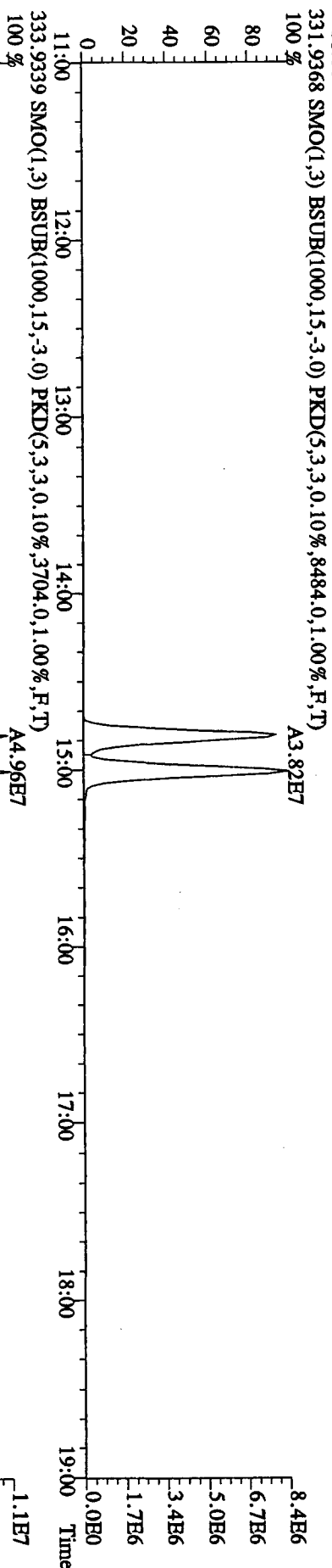
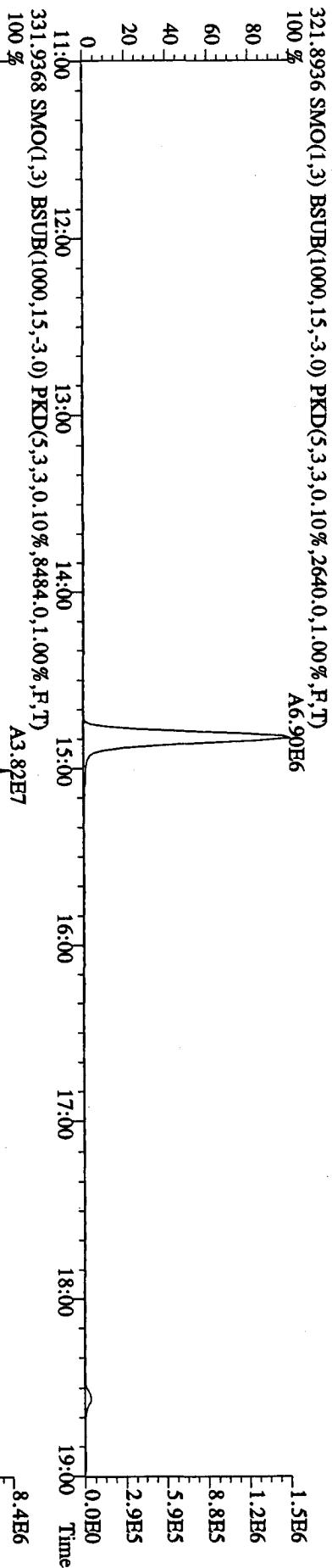
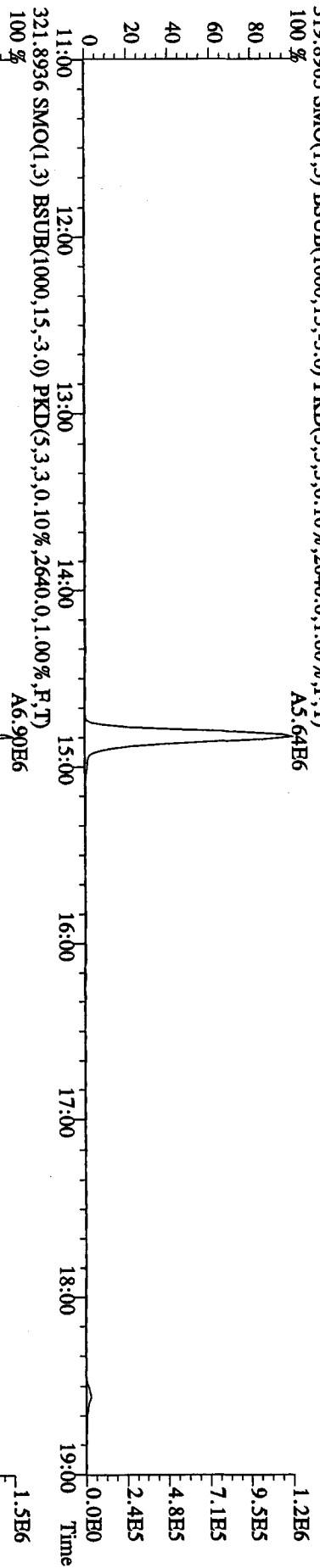
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
 ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	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

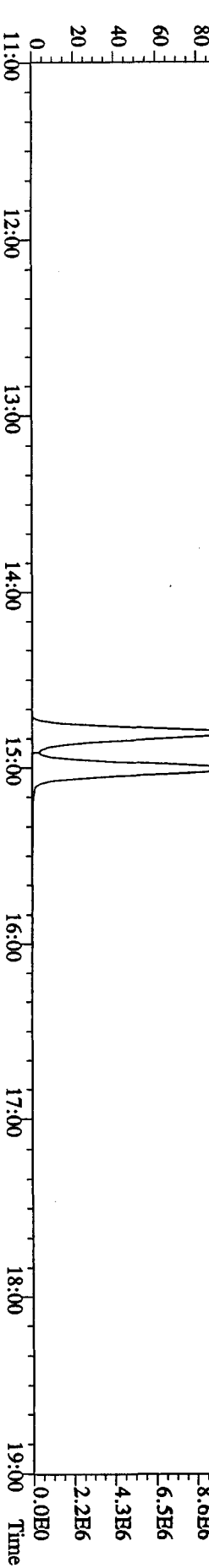
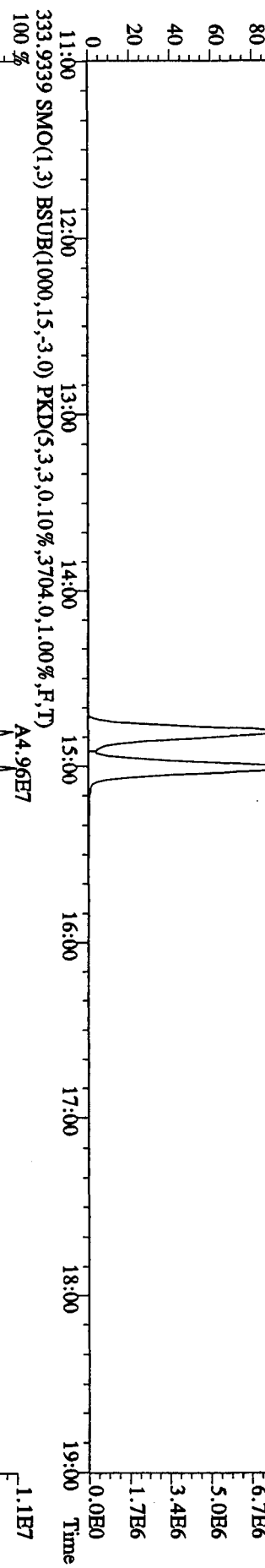
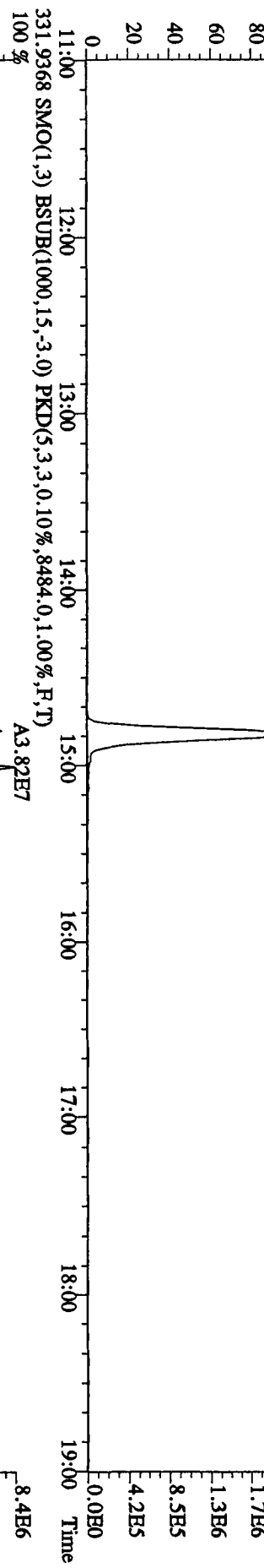
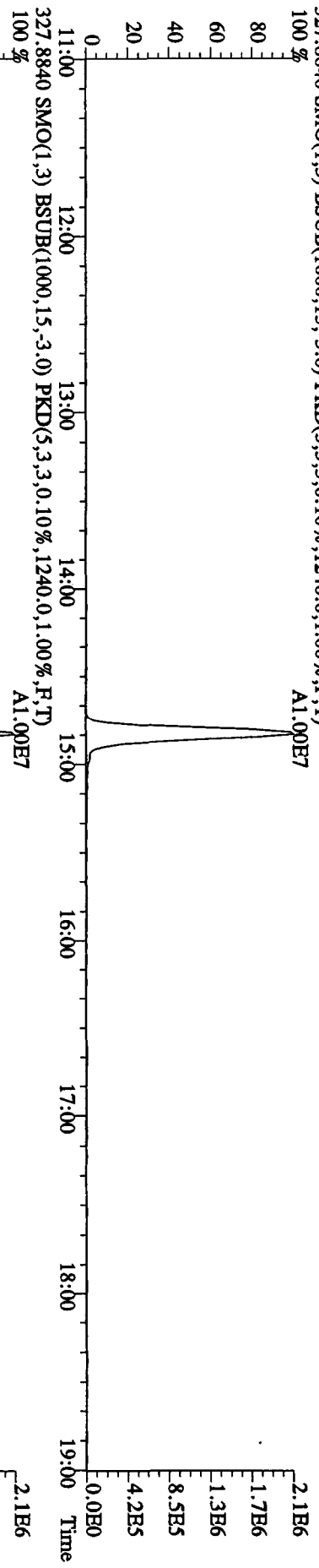
File:29AP105D2 #1-1242 Acq:29-APR-2010 08:36:16 GC EI+ Voltage:5TR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DB225RES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T) 100 %



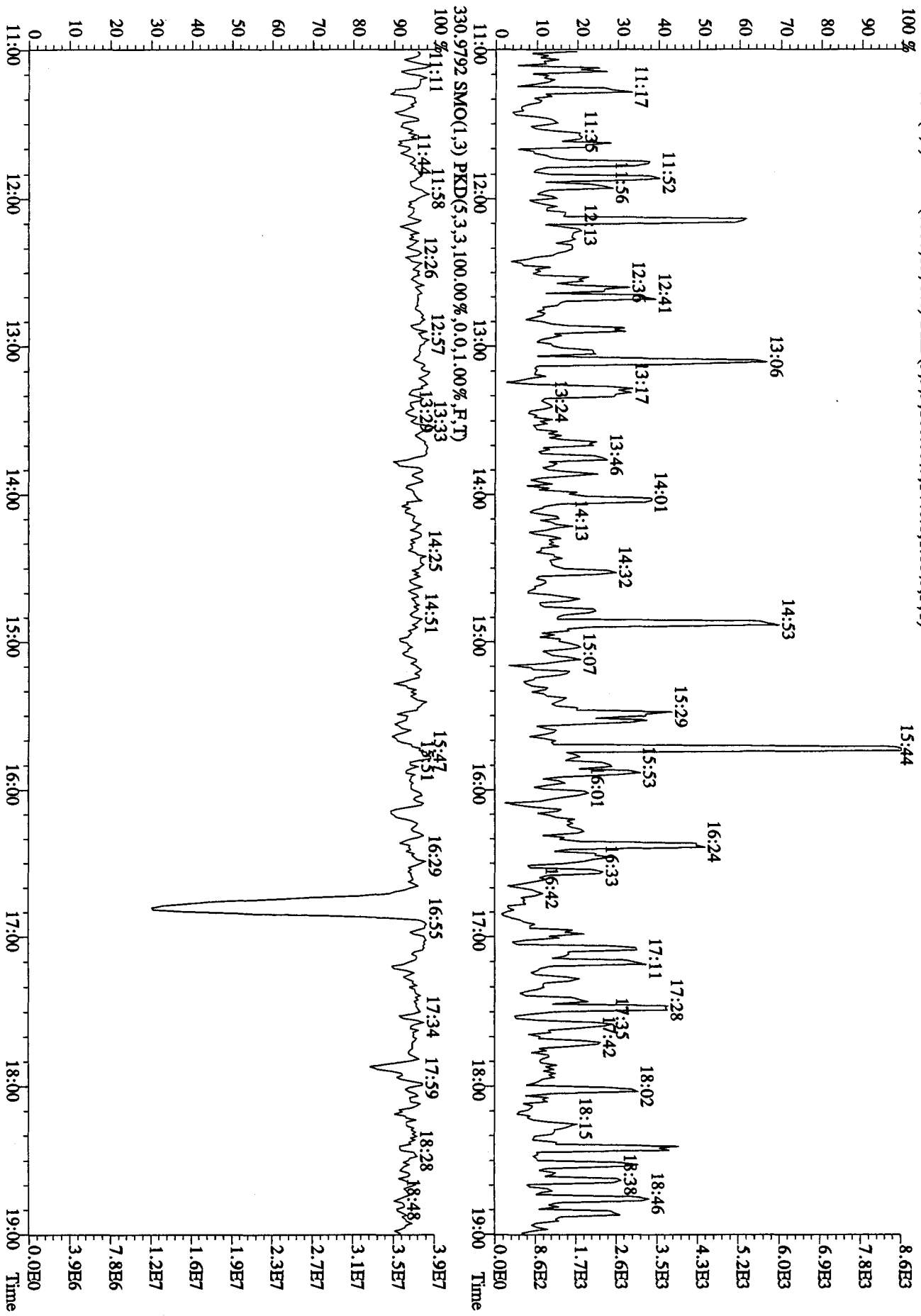
File:29AP105D2 #1-1242 Acq:29-APR-2010 08:36:16 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2040,0,1,00%,F,T)
100% A5.64E6



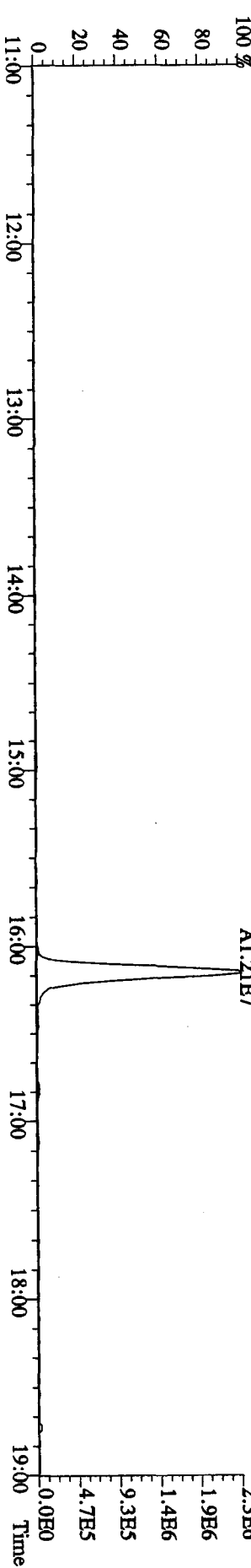
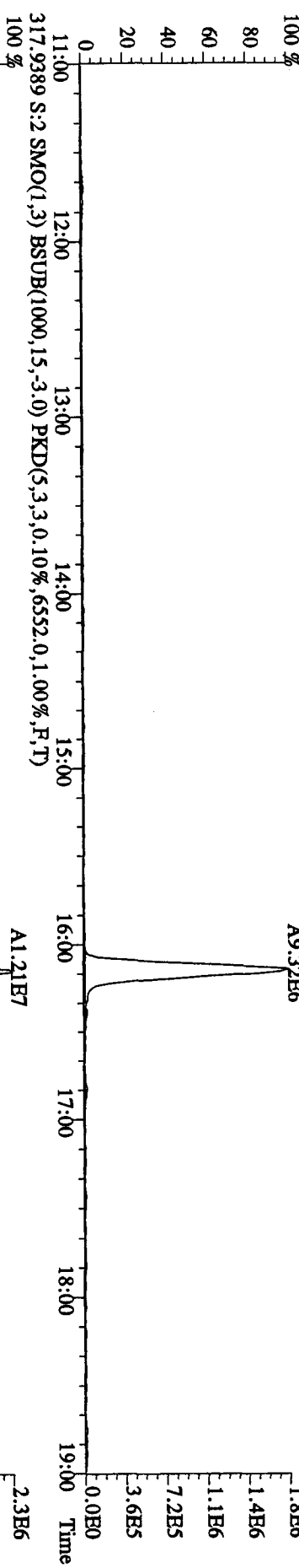
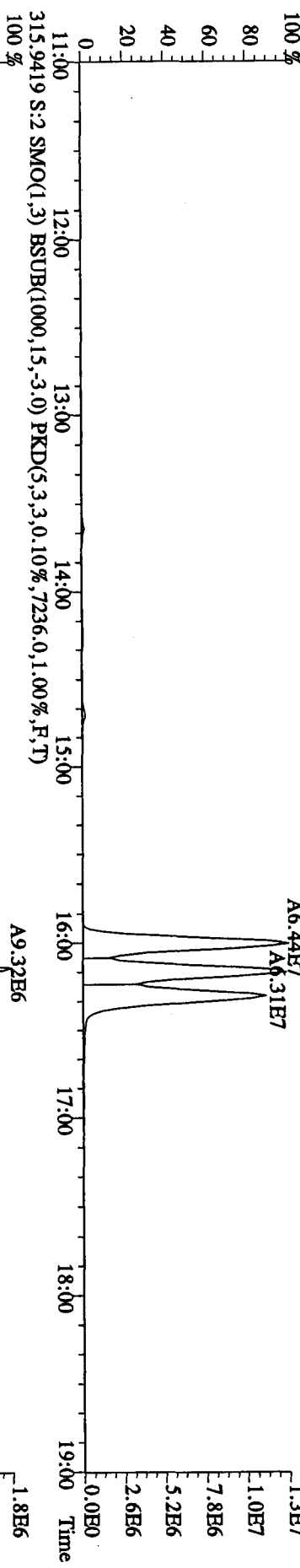
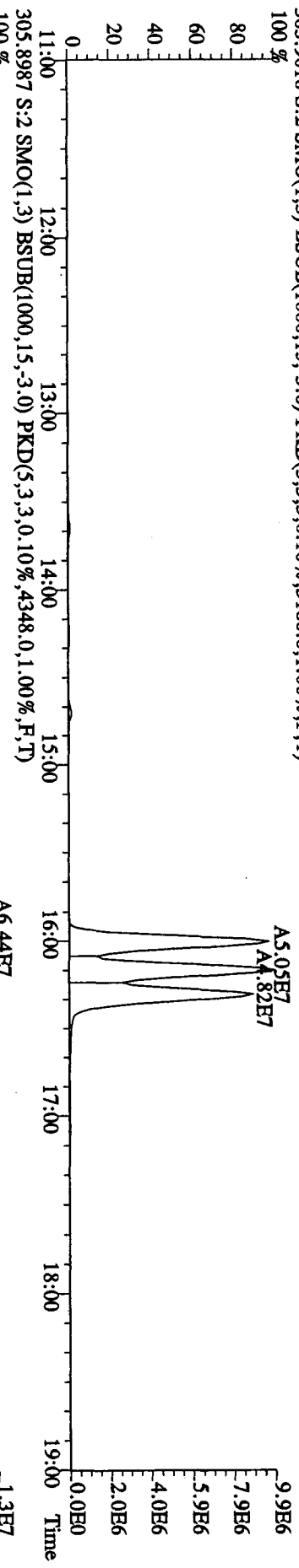
File:29AP105D2 #1-1242 Acq:29-APR-2010 08:36:16 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :C53 10DXN111 Exp:DB225RES
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1240.0,1.00%,F,T)
 100% A1.00E7



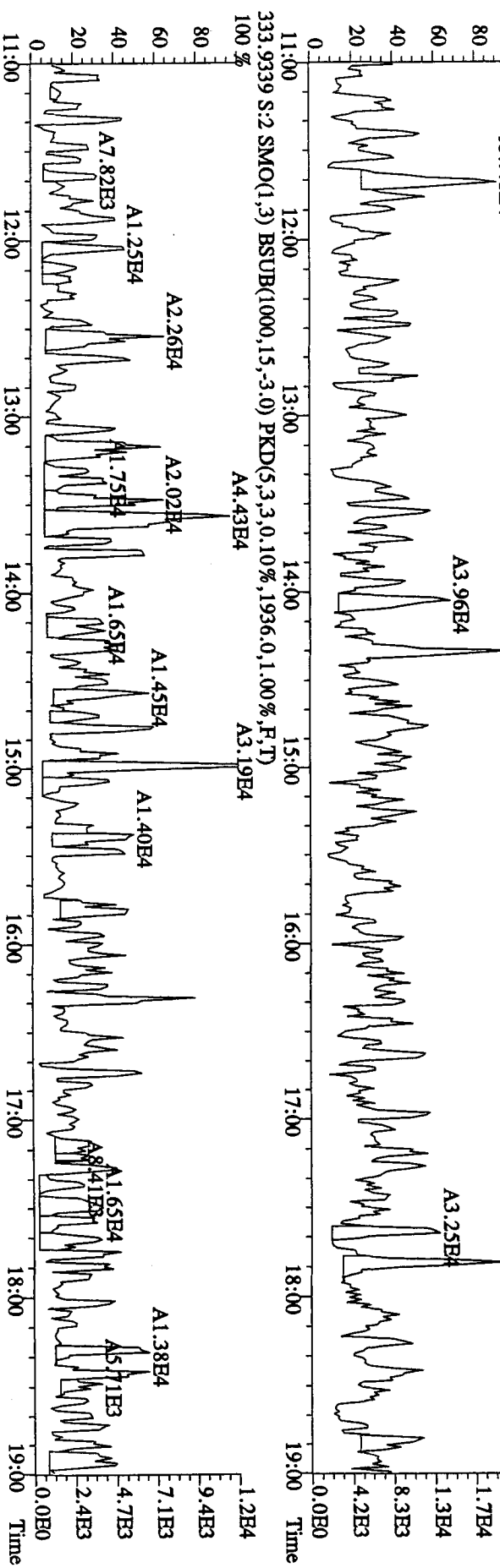
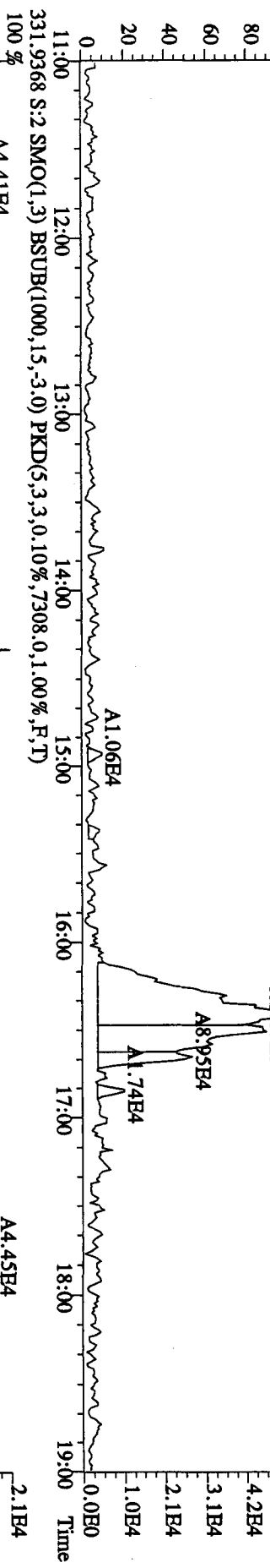
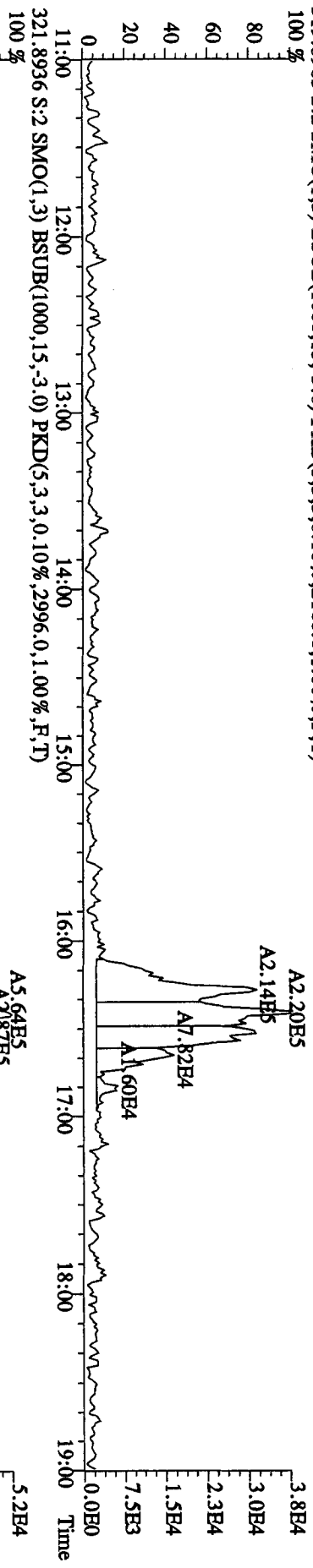
File: 29AP105D2 #1-1242 Acq: 29-APR-2010 08:36:16 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0429 :CS3 10DXN111 Exp: DB225RBS
 375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1440.0,1.00%,F,T)



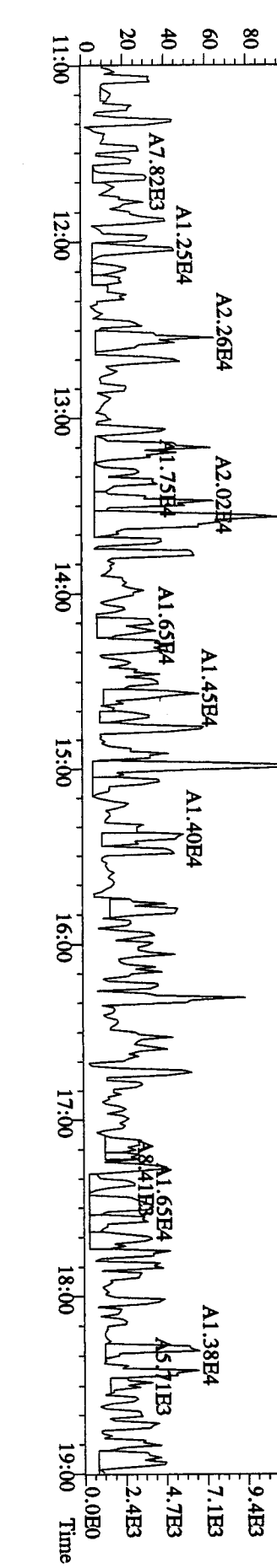
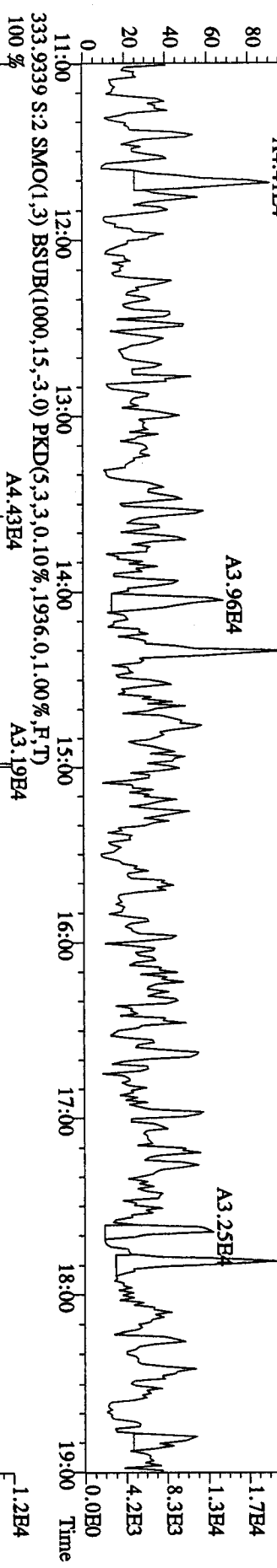
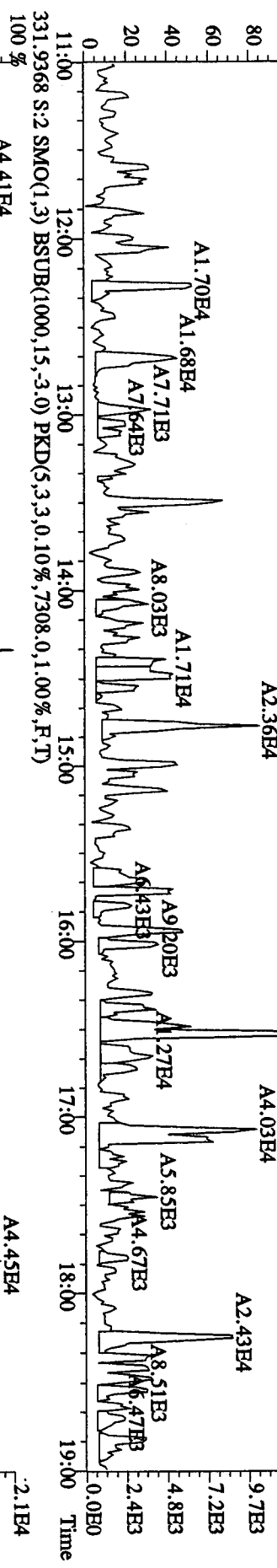
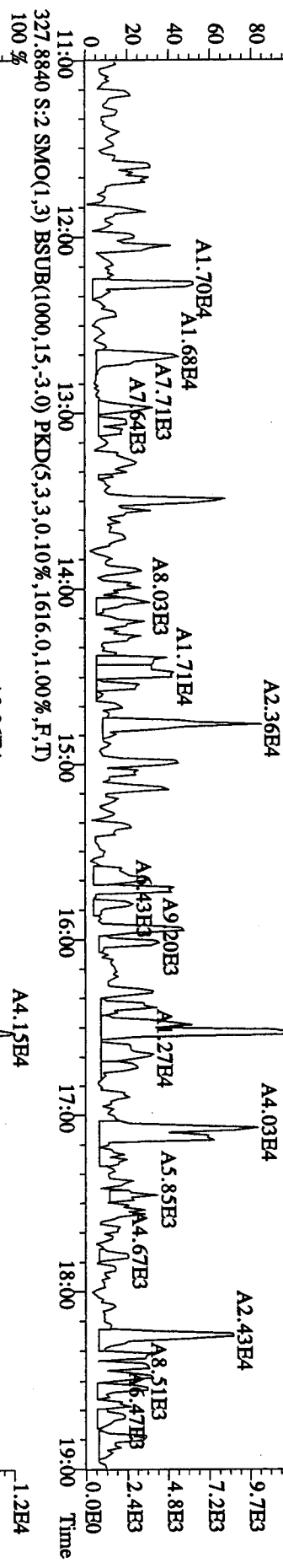
File:29AP105D2 #1-1241 Acq:29-APR-2010 09:13:20 GC EI + Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-225 CP5M 3732-06 Exp:DB225RBS
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3180,0,1,00%,F,T)



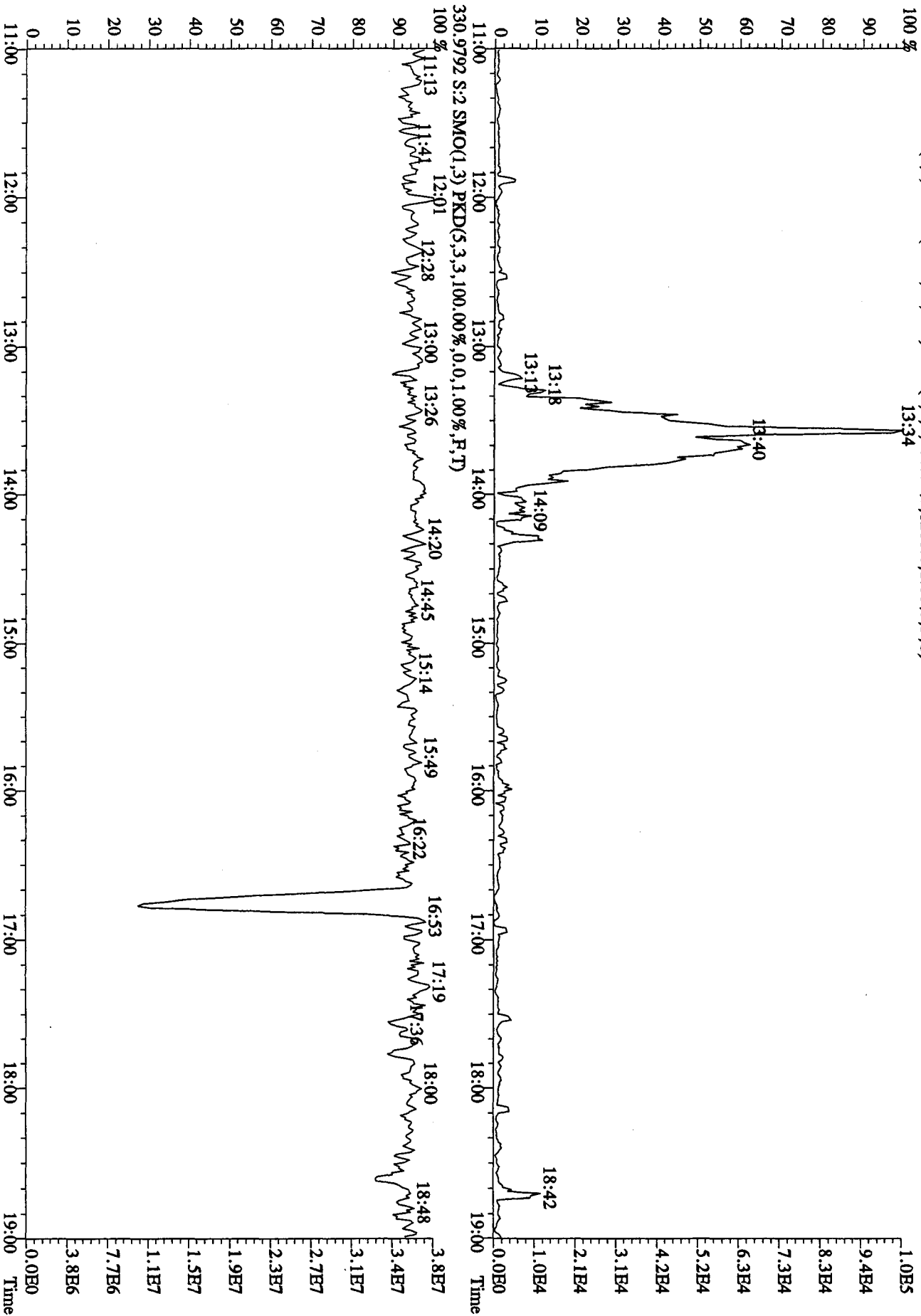
File:29AP105TD2 #1-1241 Acq:29-APR-2010 09:13:20 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-225 CPSM 3732-06 Exp:DB225RBS
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2160,0.1,0.0%,F,T)
 100 %



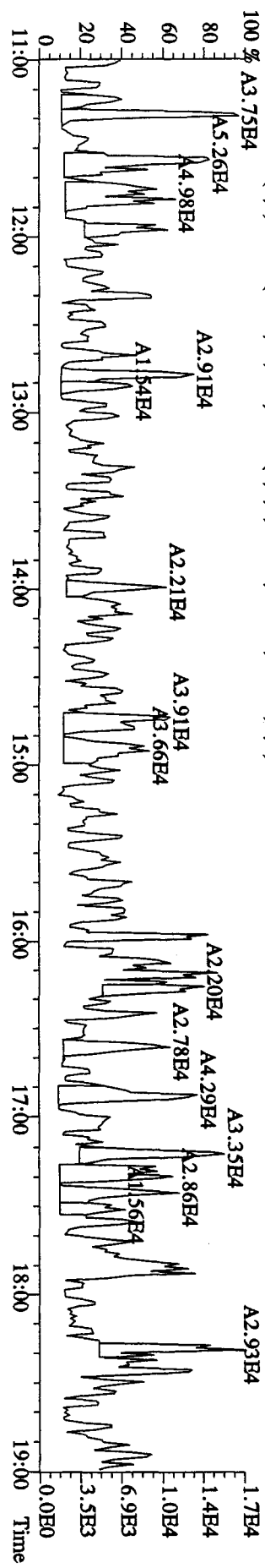
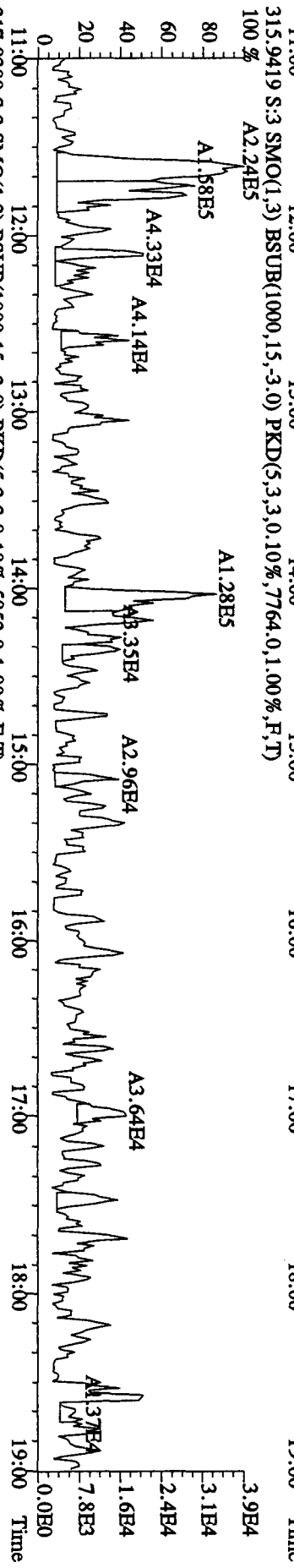
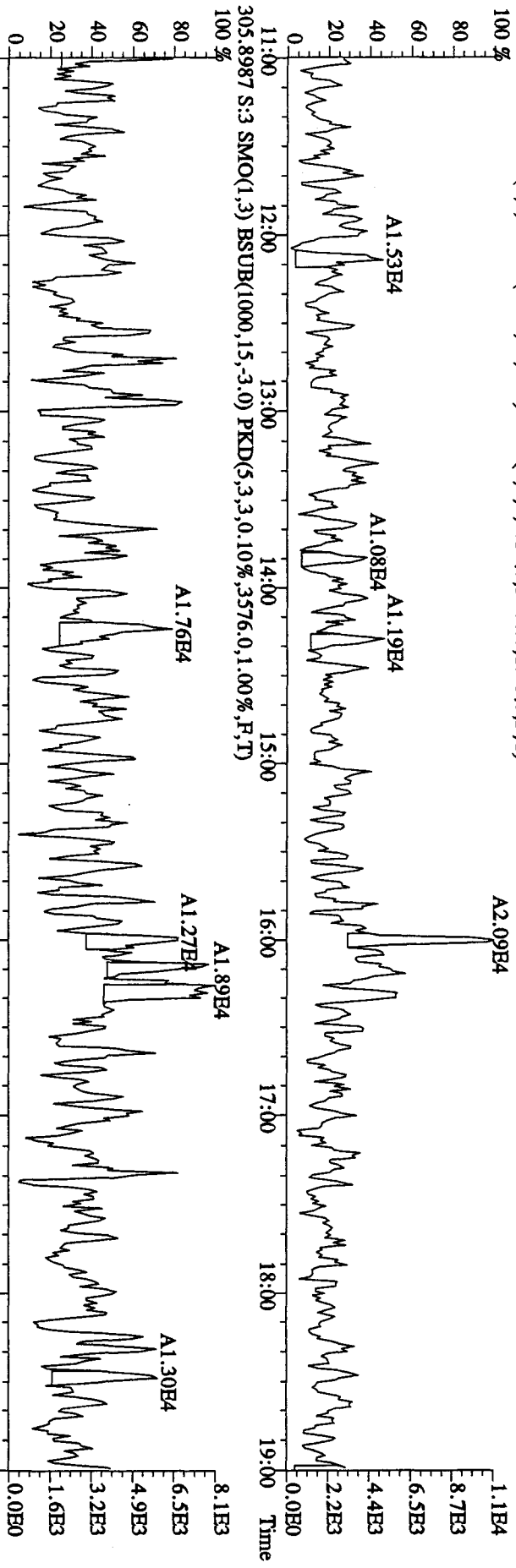
File:29AP105D2 #1-1241 Acq:29-APR-2010 09:13:20 GC HI+ Voltage SIR 70SB
 Sample#2 Text:CP0429 :DB-225 CFSM 3732-06 Exp:DB225RES
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1616.0,1.00%,F,T)
 100 %



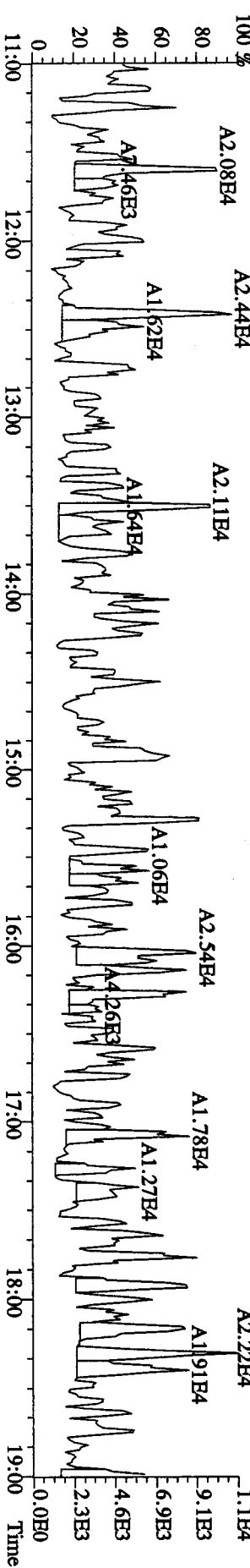
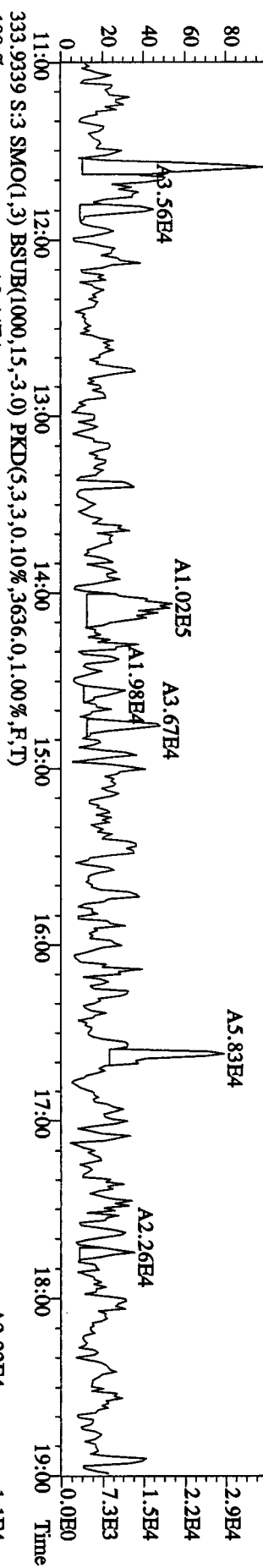
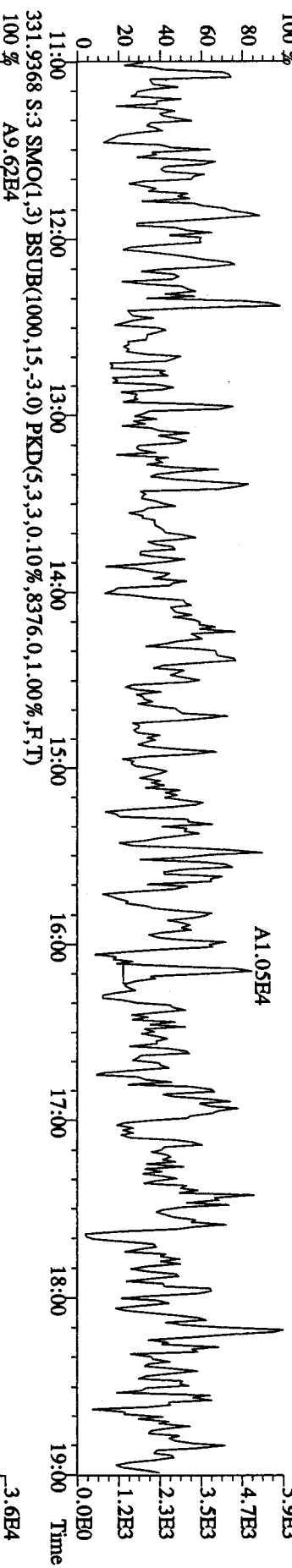
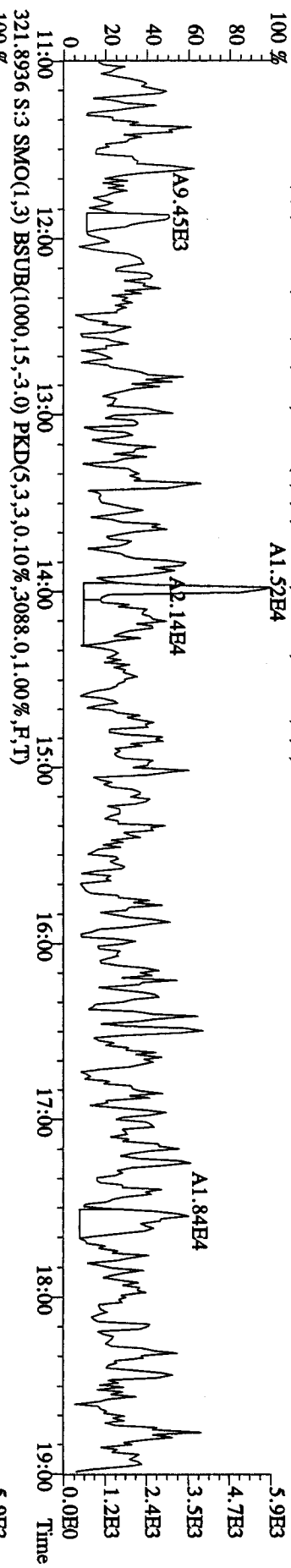
File: 29AP105D2 #1-1241 Acq: 29-APR-2010 09:13:20 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0429 :DB-225 CPSM 3732-06 Exp: DB225RES
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1280.0,1.00%,F,T)



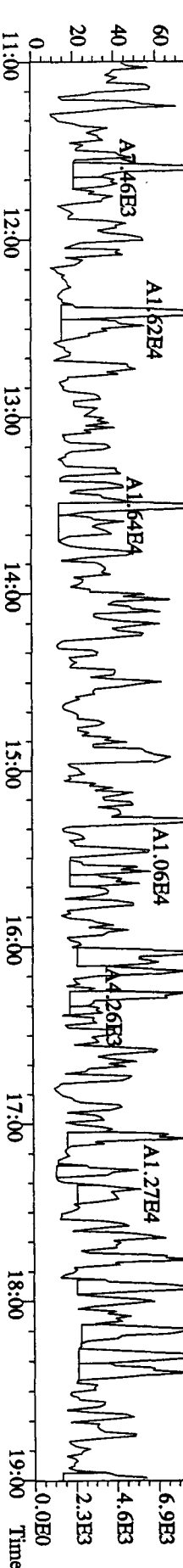
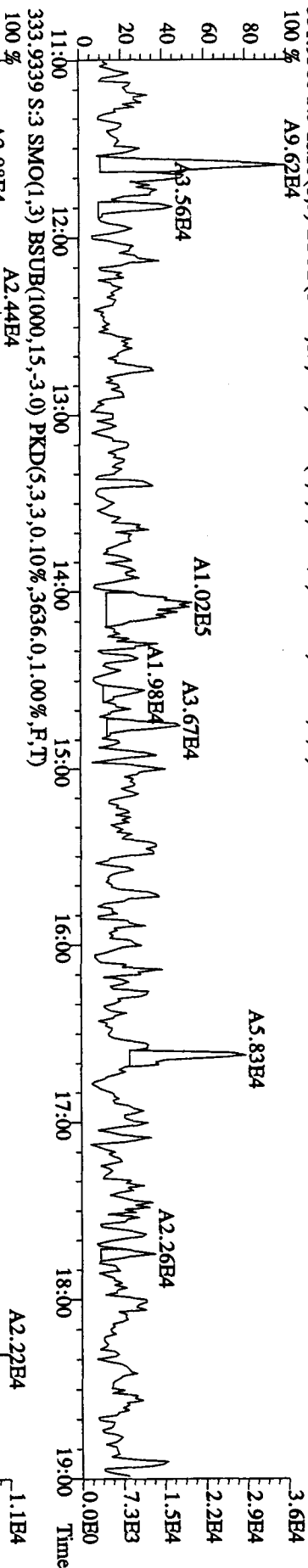
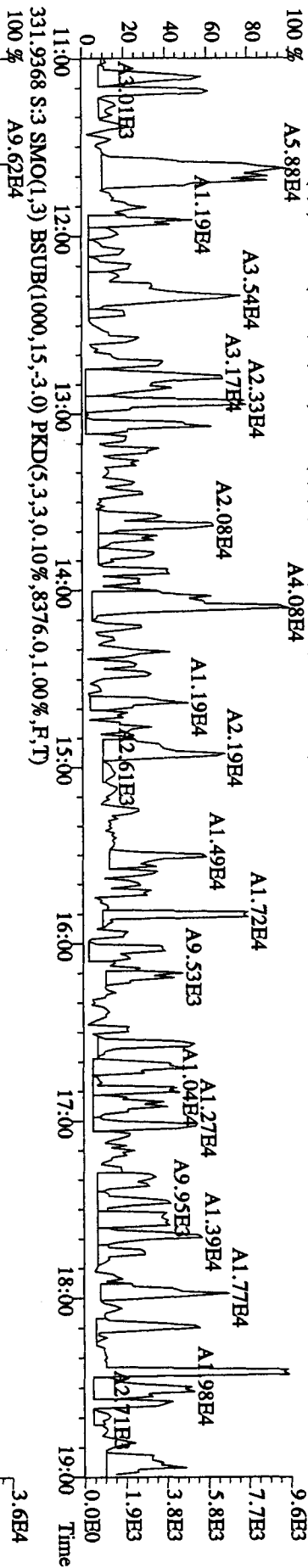
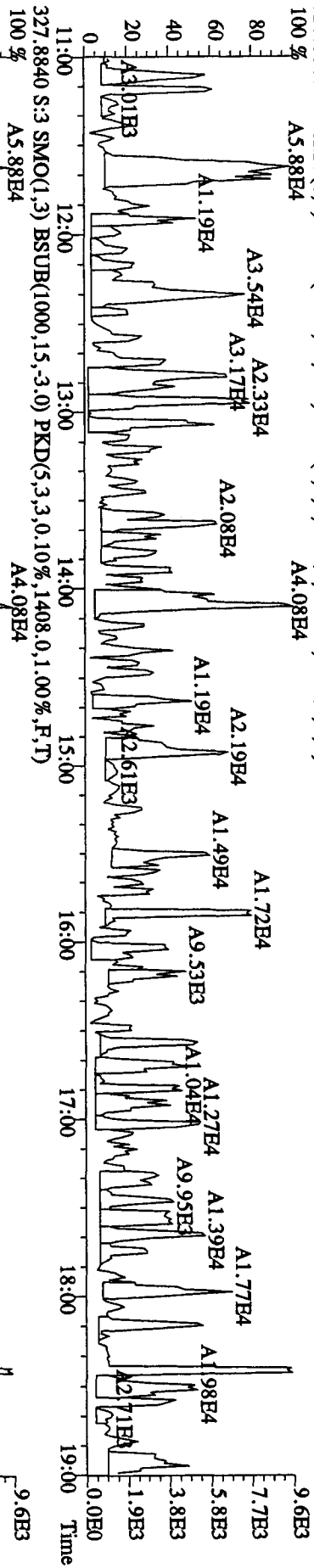
File:29AP105D2 #1-1242 Acq:29-APR-2010 09:50:24 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DB22SRES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2844,0,1,00%,F,T)
 100 %



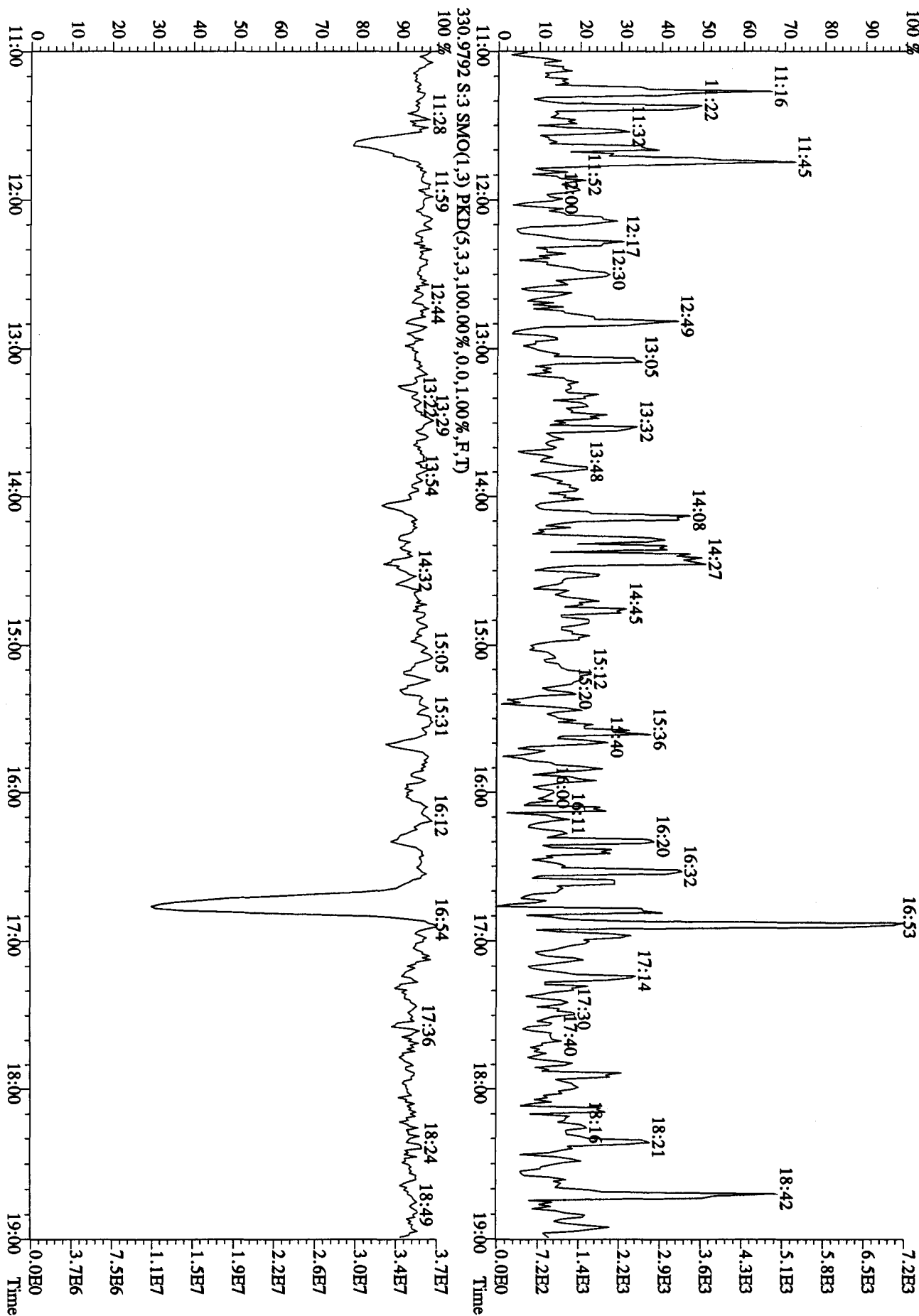
File:29AP105D2 #1-1242 Acq:29-APR-2010 09:50:24 GC HI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DB225RES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2024,0,1,00%,F,T)
 100% A1.52E4



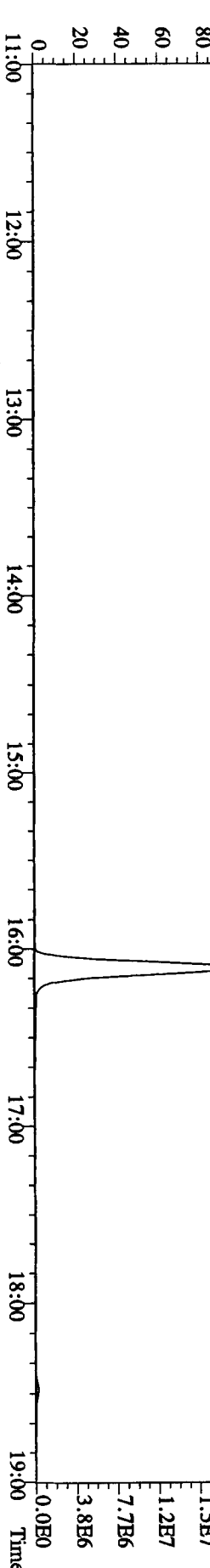
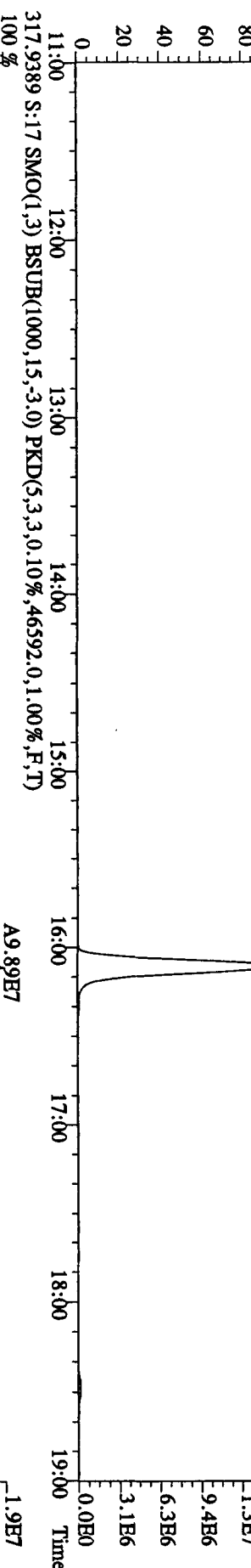
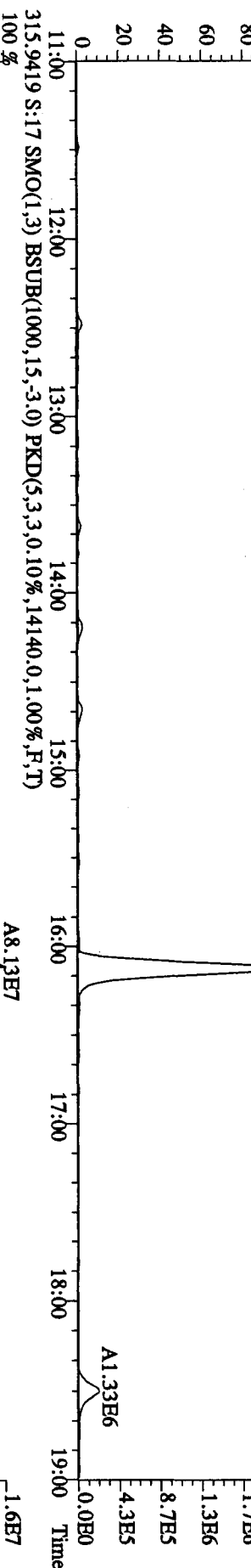
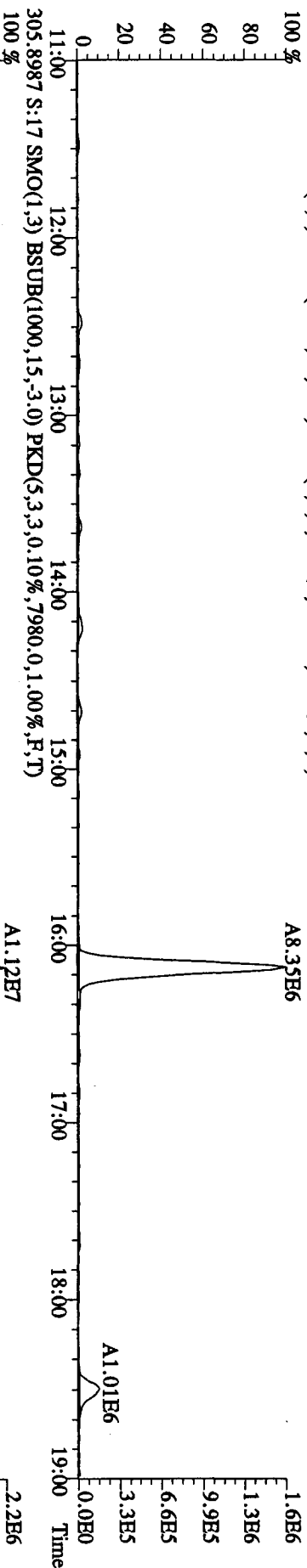
File:29AP105D2 #1-1242 Acq:29-APR-2010 09:50:24 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DB225RES
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1408,0,1,00%,F,T)
 100% A5.88E4 A4.08E4



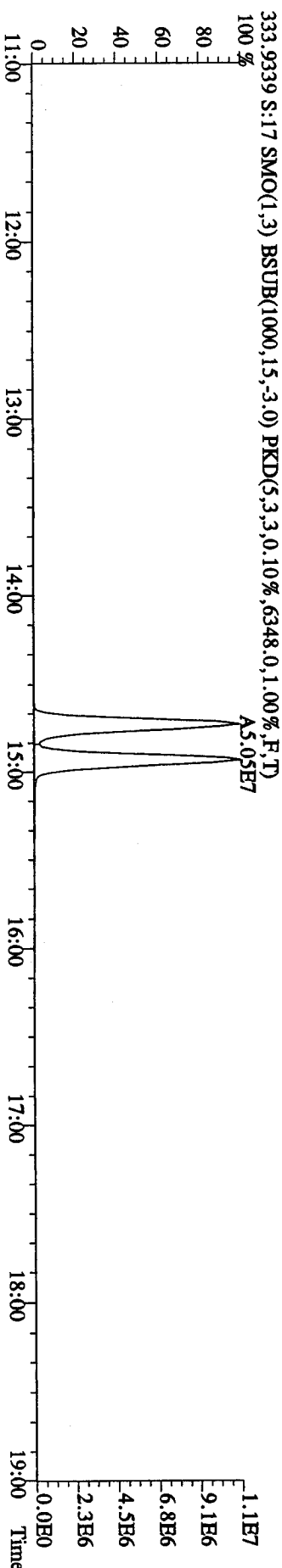
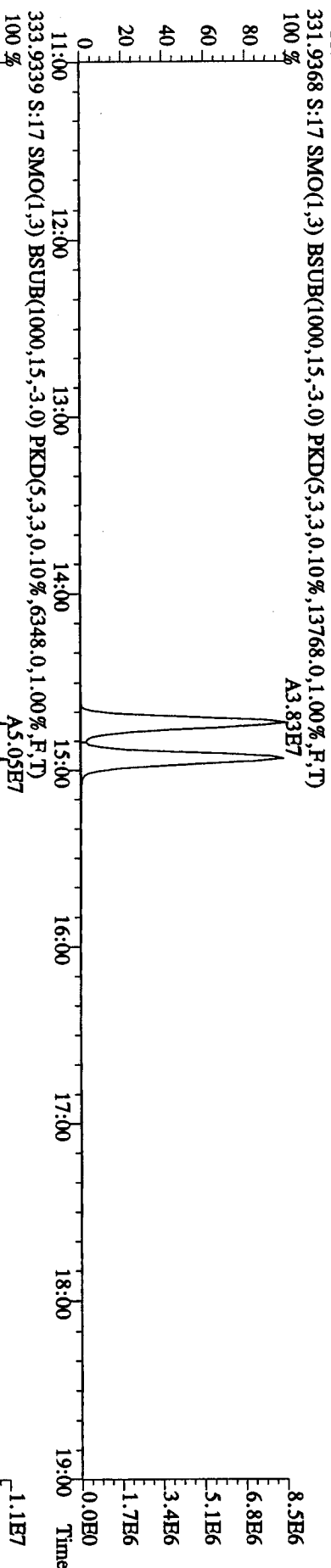
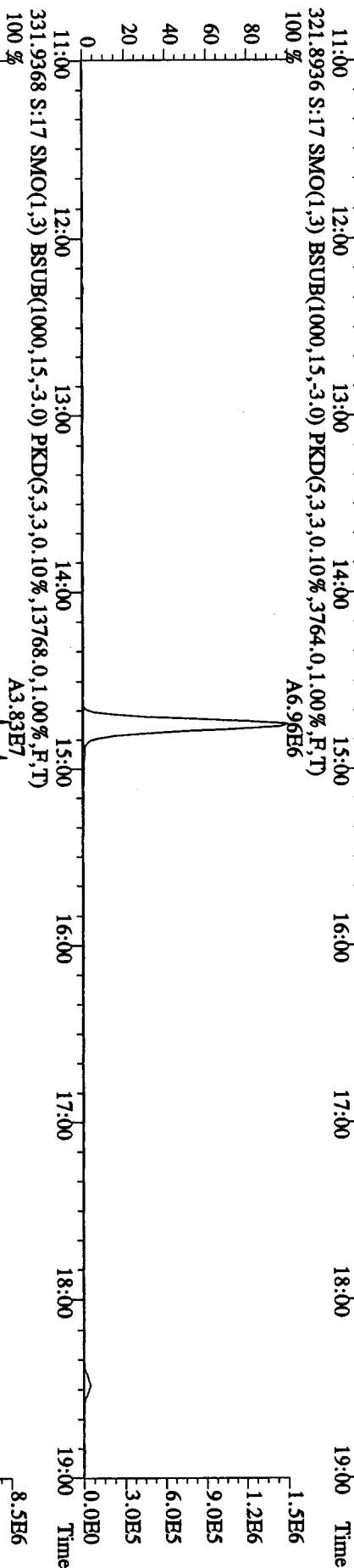
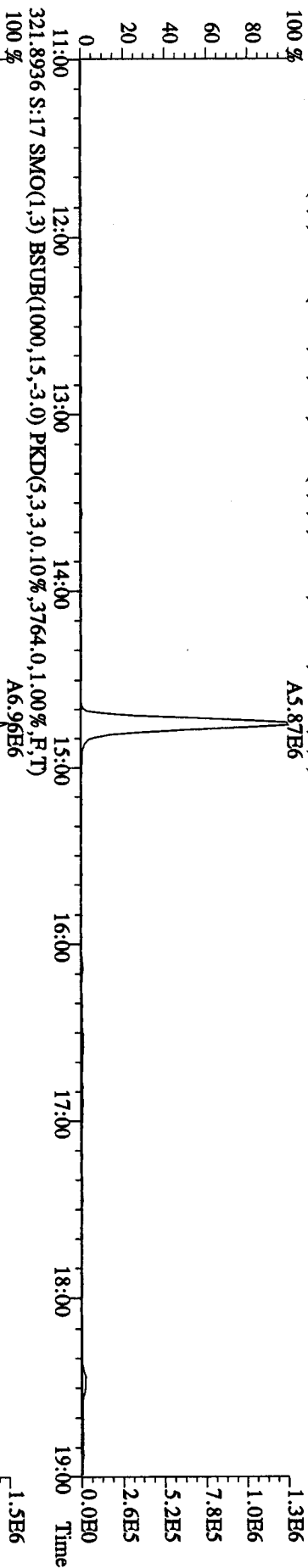
File:29AP105D2 #1-1242 Acq:29-APR-2010 09:50:24 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,1368,0,1,00%,F,T)
 100 %



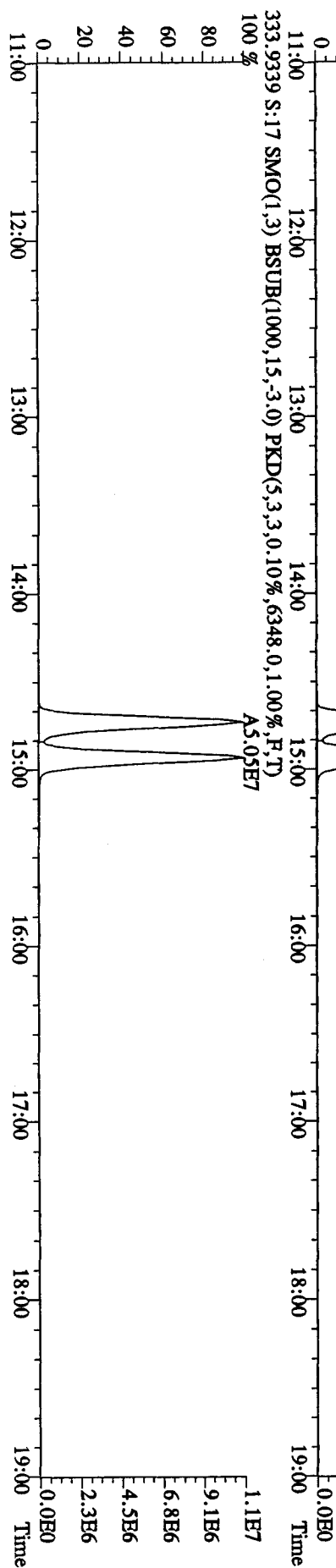
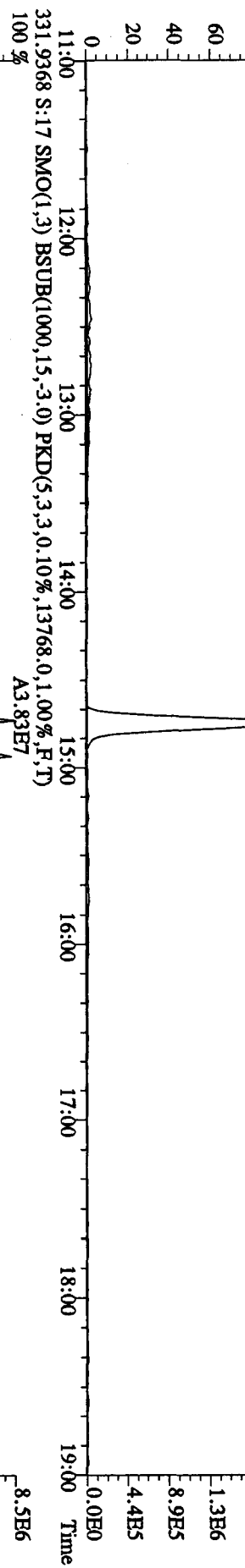
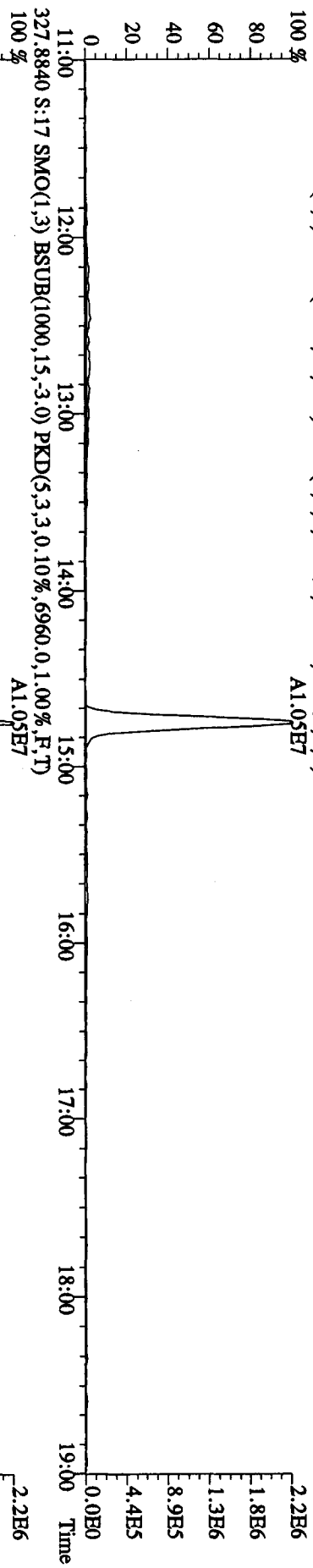
File:29AP105D2 #1-1242 Acq:29-APR-2010 18:29:40 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0429A :CS3 10DXN111 Exp:DB225RES
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6824,0,1.00%,F,T)
 100 %



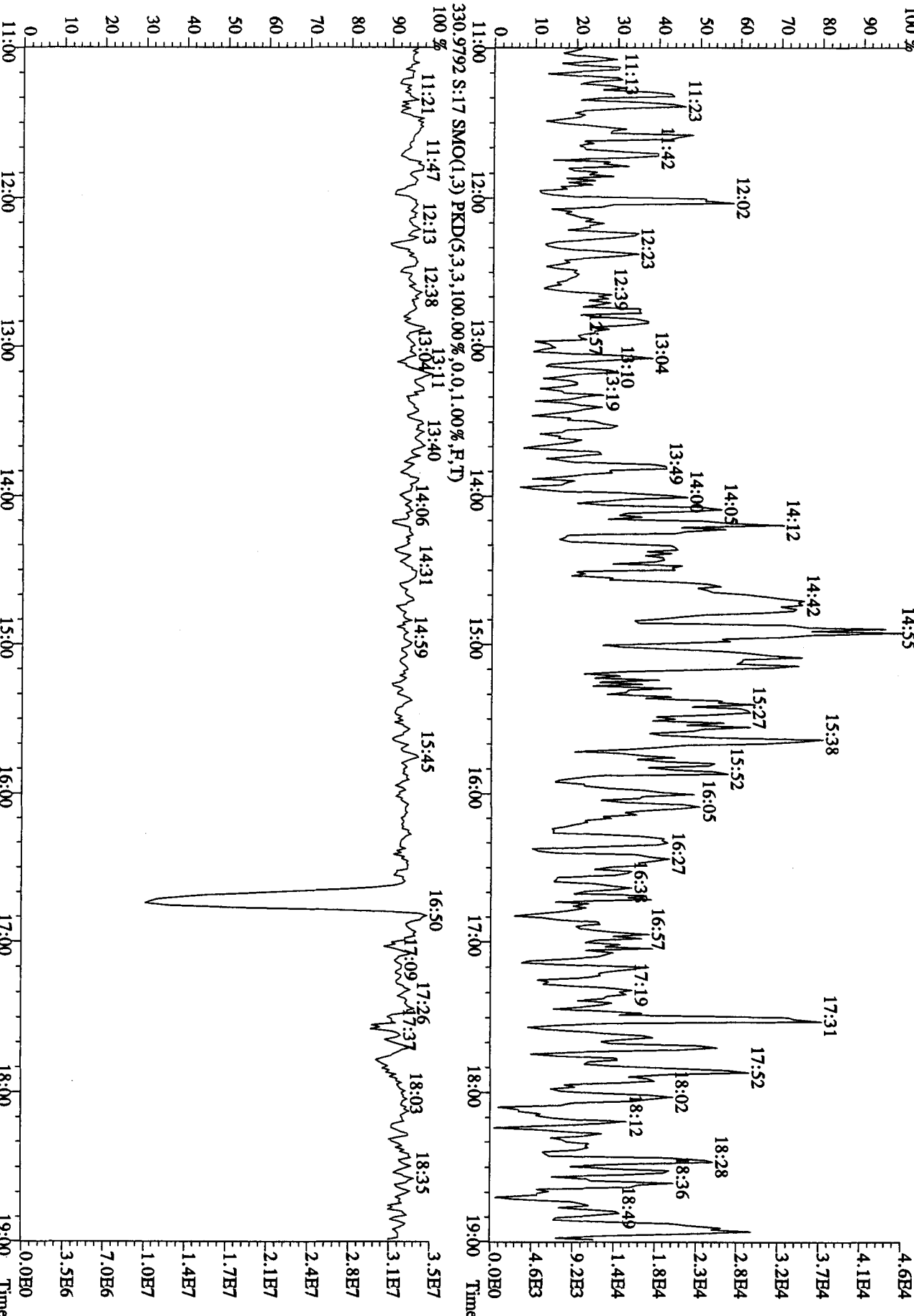
File:29AP105D2 #1-1242 Acq:29-APR-2010 18:29:40 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0429A :CS3 10DXN111 Exp:DB225RES
319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3844.0,1.00%,F,T)
100% A5.87B6



File: 29AP105D2 #1-1242 Acq: 29-APR-2010 18:29:40 GC EI+ Voltage SIR 70SE
 Sample#17 Text: ST0429A :CS3 10DXN111 Exp: DB225RES
 327.8840 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6960,0,1,00%,F,T)
 100% A1.05E7



File: 29AP10SD2 #1-1242 Acq: 29-APR-2010 18:29:40 GC EI+ Voltage SIR 70SE
 Sample#17 Text: ST0429A :CS3 10DXN111 Exp: DB225RES
 375.8364 S: 17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,100.00%,1.00%,F,T) 100%
 100%



Method ID 8290

Associated ICAL 8290 123109 1DS

Column ID DB5

Instrument ID 1DS

STD ID ST0426B, ST0426C

STD Solution 10 DKN 111

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

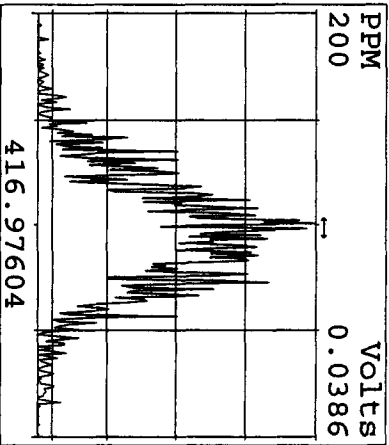
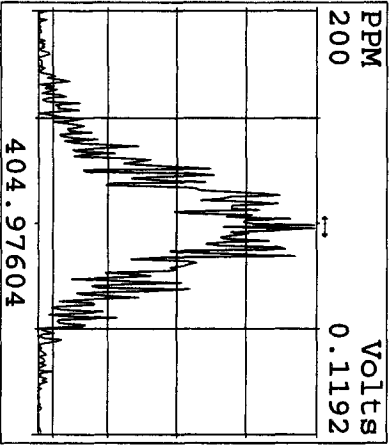
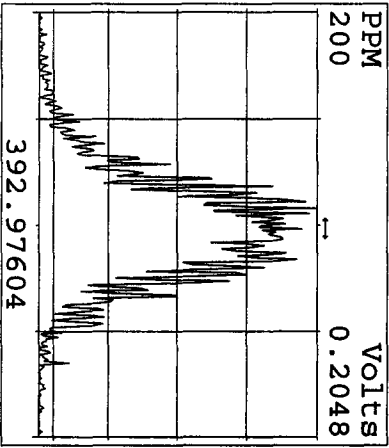
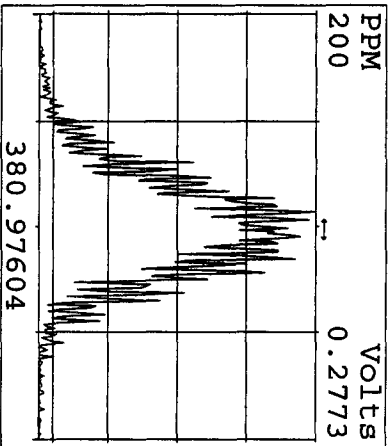
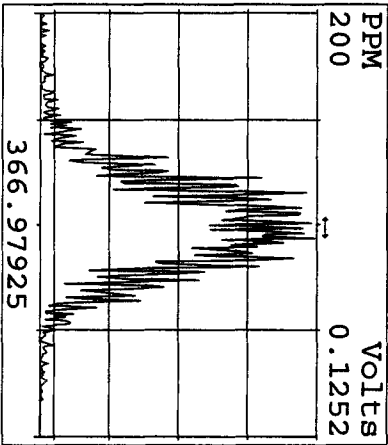
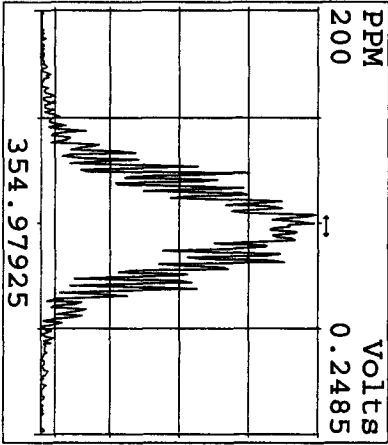
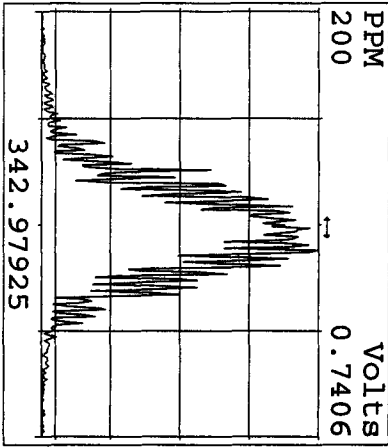
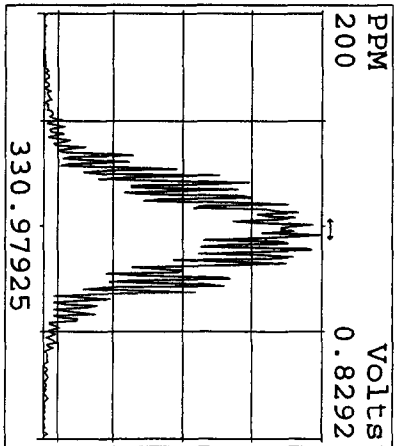
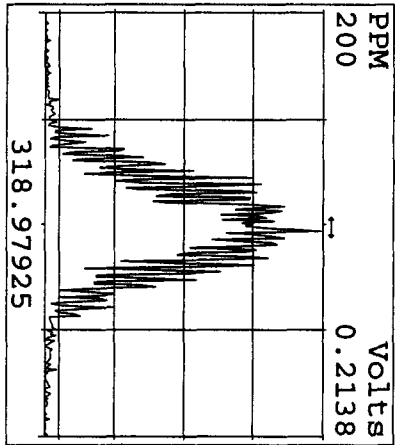
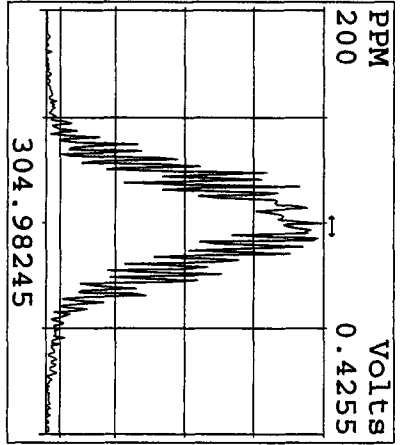
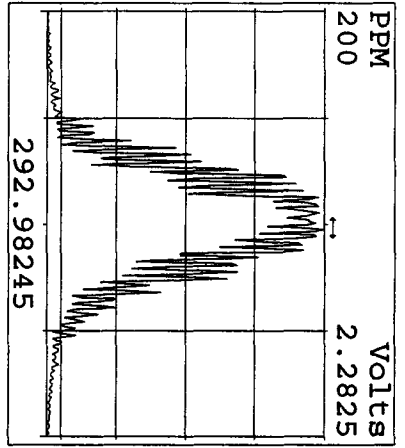
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13C-2,3,7,8-TCDF	326632032	0.79 y	16:57	1.53	100.00	-2.6	n
2,3,7,8-TCDF	30097241	0.78 y	16:58	0.92	10.00	7.2	n
Total TCDF	30505573	0.93 n	16:37	0.92	10.00	7.2	n
13C-2,3,7,8-TCDD	205656496	0.81 y	17:39	0.96	100.00	-3.3	n
2,3,7,8-TCDD	18923872	0.76 y	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	2	ST0426B	CS3 10DXN111				1.00000	
26AP10A1D5	3	CP0426A	DB-5 CPSM 3732-05				1.00000	
26AP10A1D5	4	SB0426C	Solvent Blank C-14				1.00000	
26AP10A1D5	5	LX85A-1-AA	G0D200000-455B	10	8290/SOLID	77	10.00000	g
26AP10A1D5	6	LX85A-1-AC	G0D200000-455C	10	8290/SOLID		10.00000	g
26AP10A1D5	7	LX6LV-1-AC	G0D080425-50	10	8290/SOLID		10.17000	g
26AP10A1D5	8	L0CN2-1-AC	G0D220000-236C	10	8290/SOLID	79	10.00000	g
26AP10A1D5	9	L0CN2-1-AA	G0D220000-236B	10	8290/SOLID		10.00000	g
26AP10A1D5	10	LXR9N-2-AD	G0D100462-10RX	10	8290/SOLID		10.51000	g
26AP10A1D5	11	LX2NN-1-AC	G0D150000-361C (461-26)	10	8290/SOLID	73	10.00000	g
26AP10A1D5	12	LX2NN-1-AA	G0D150000-361B (461-26)	10	8290/SOLID		10.00000	g
26AP10A1D5	13	SB0426D	Solvent Blank C-14				1.00000	
26AP10A1D5	14	ST0426C	CS3 10DXN111				1.00000	
26AP10A1D5	15						1.00000	
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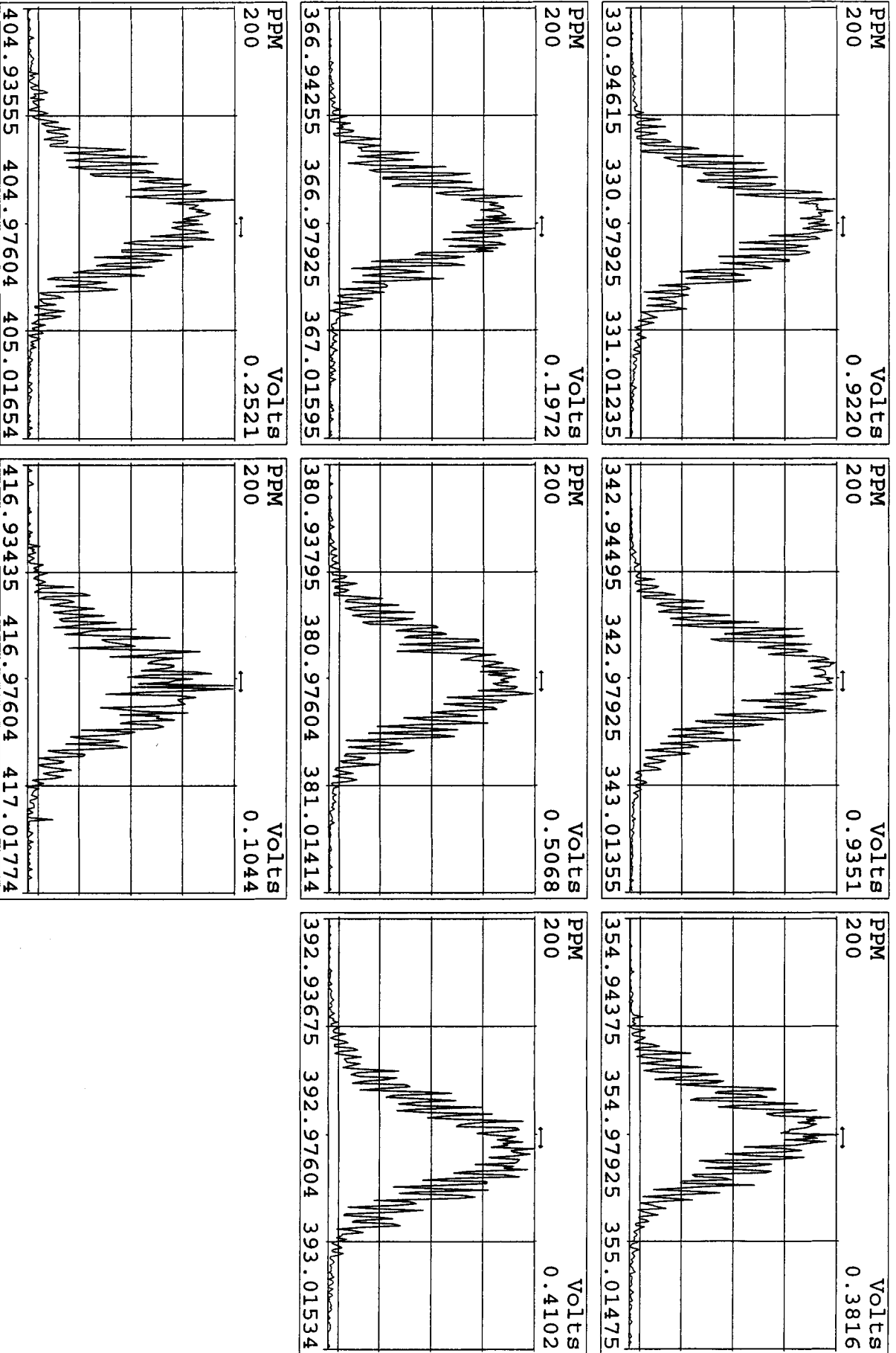
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*04-27-10
SMA*

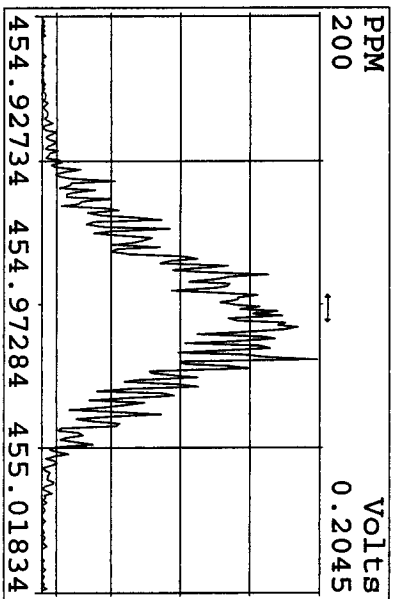
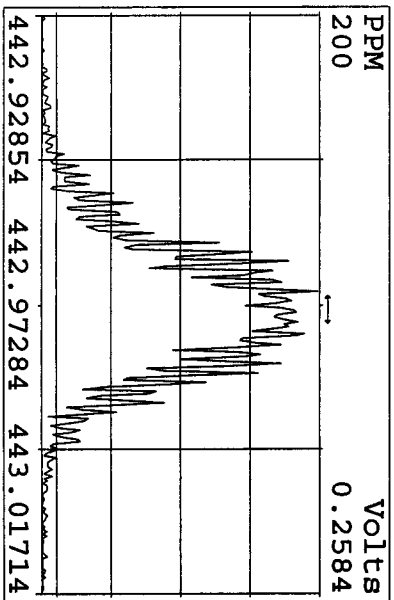
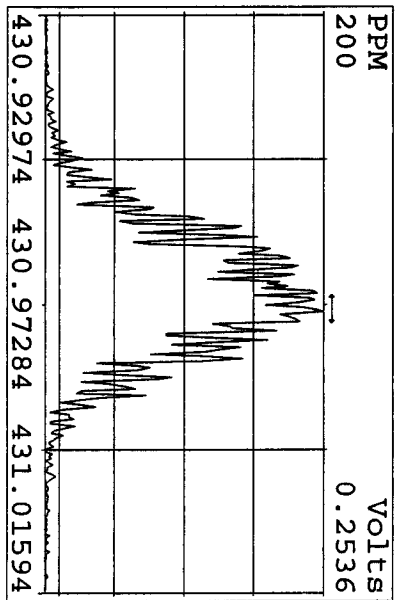
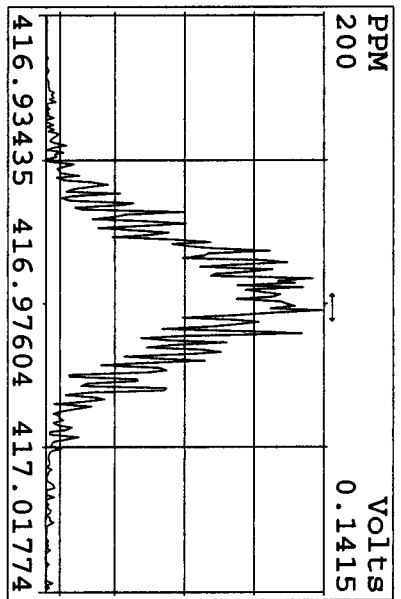
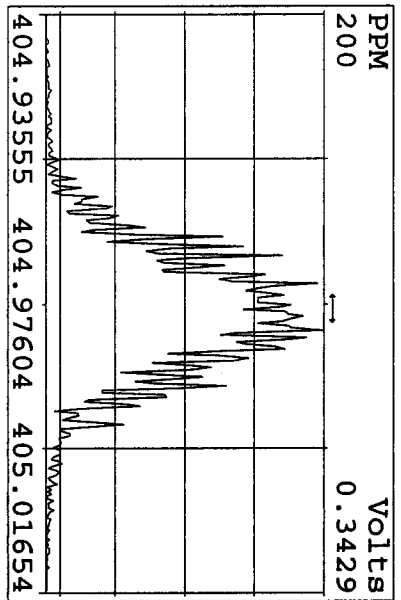
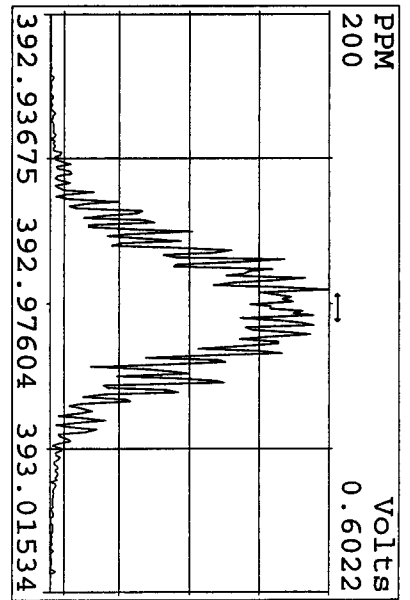
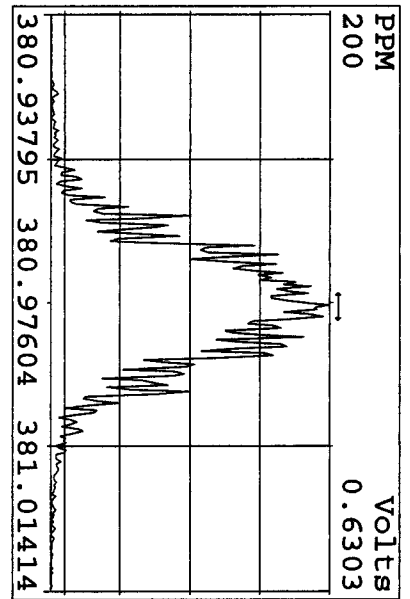
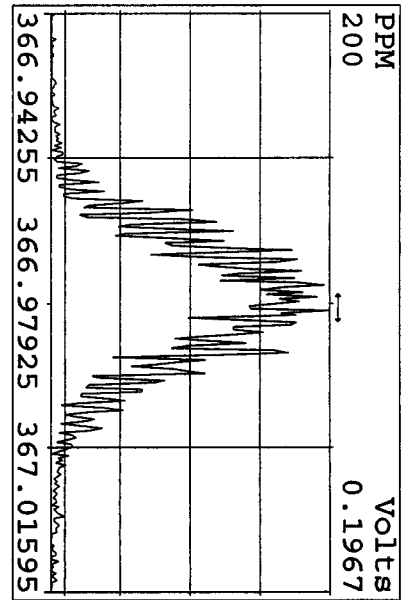
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Experiment:DIOXIN Function:1 Reference:PK



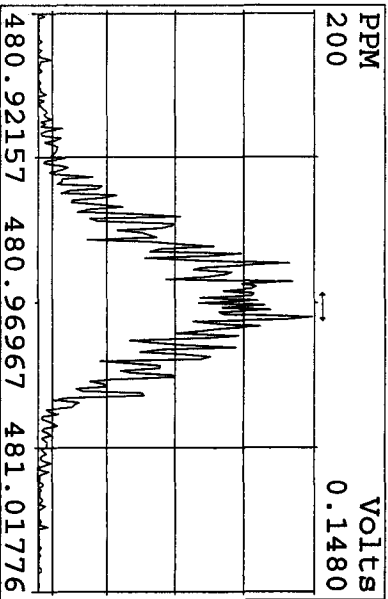
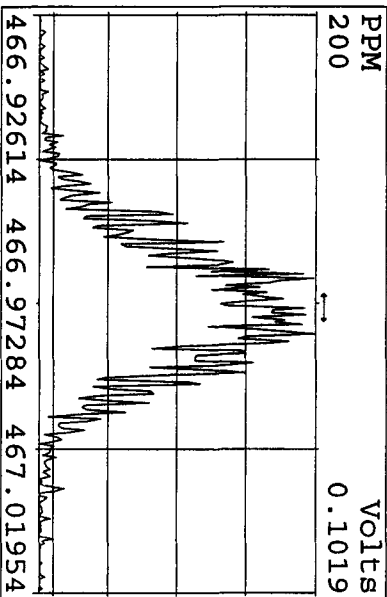
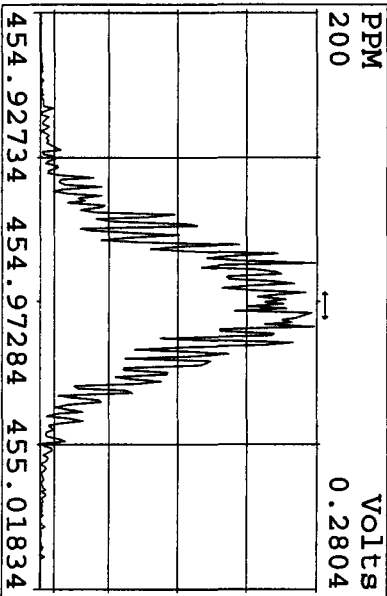
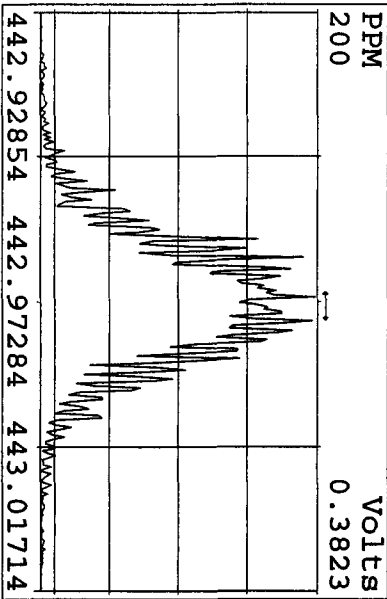
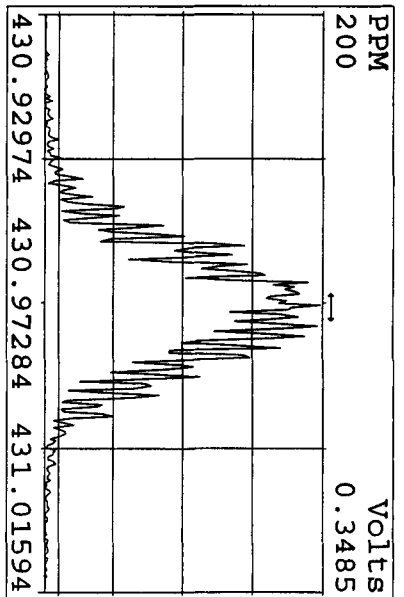
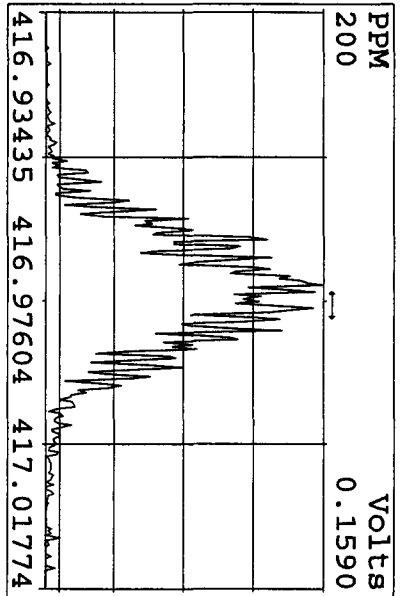
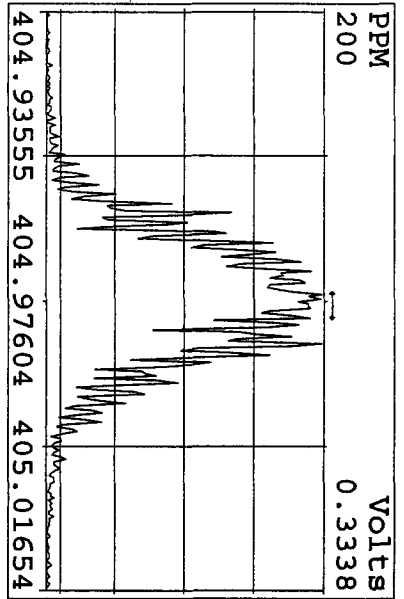
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 Experiment: DIOXIN Function: 2 Reference: PFK



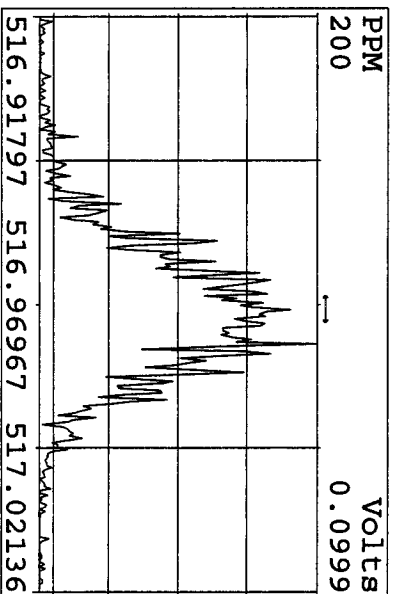
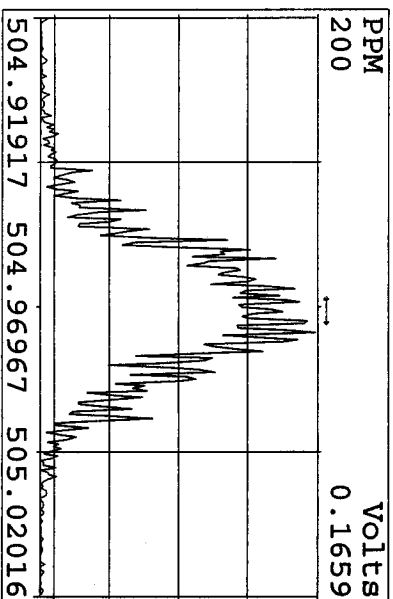
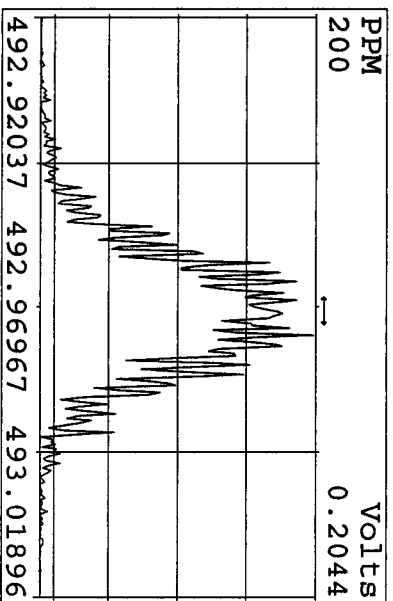
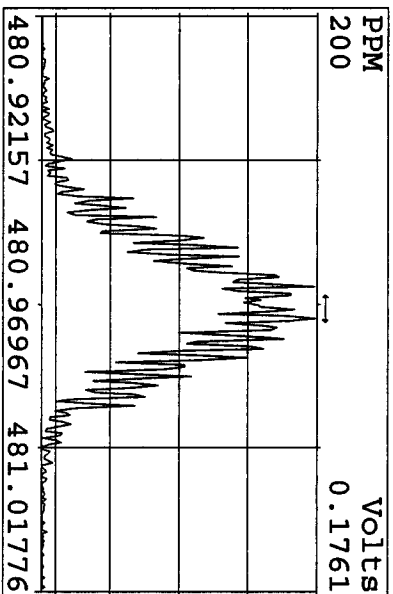
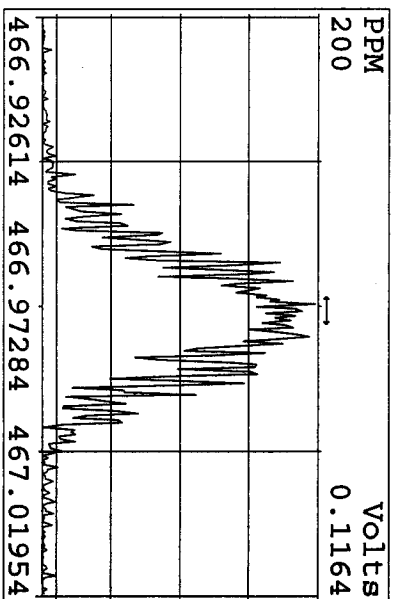
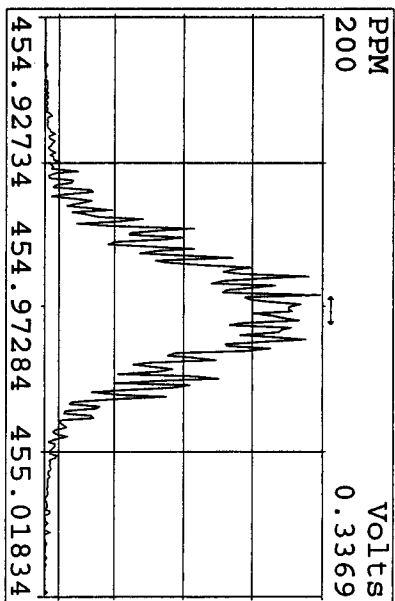
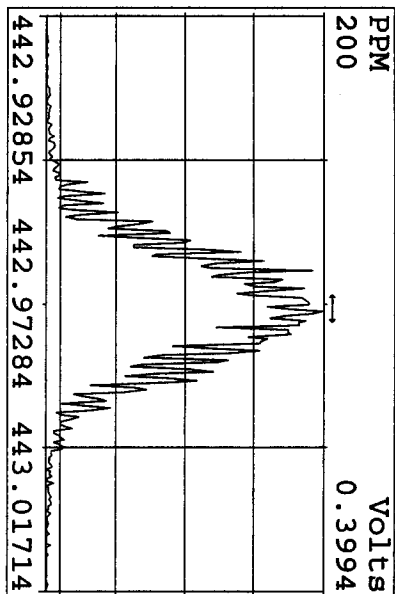
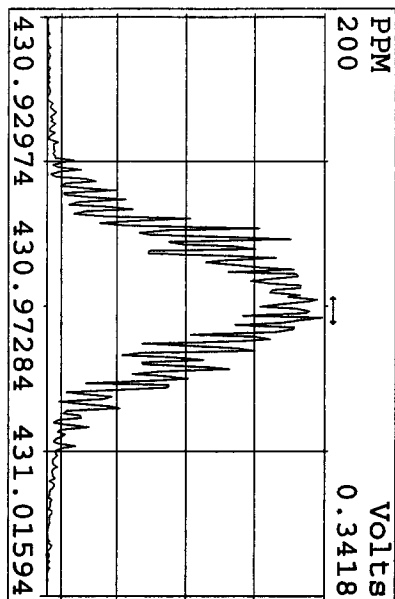
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 Experiment: DIOXIN Function: 3 Reference: PFK



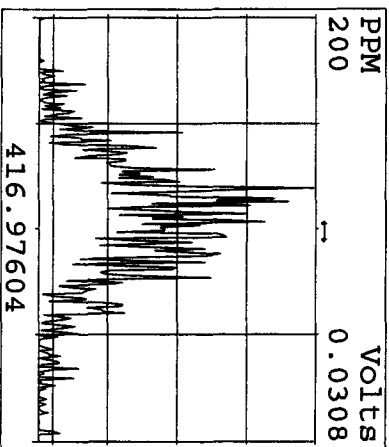
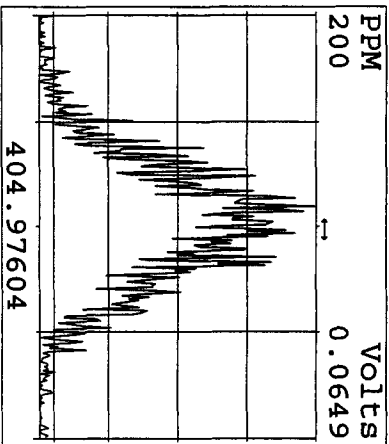
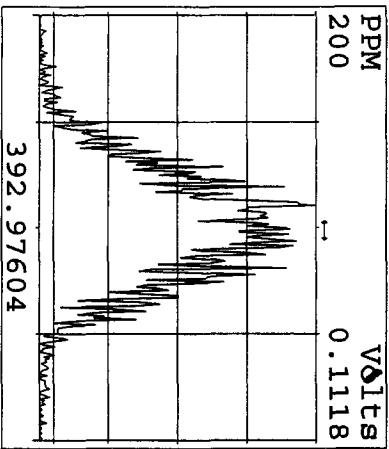
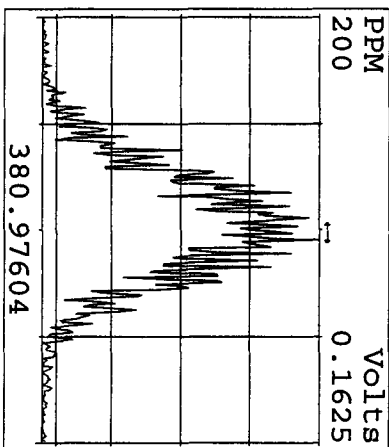
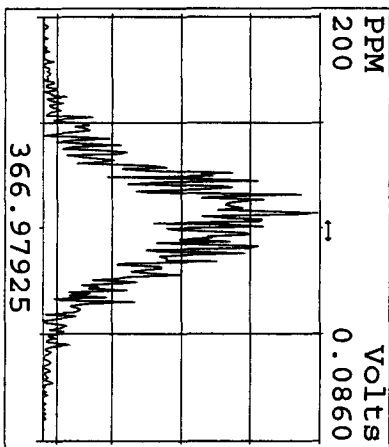
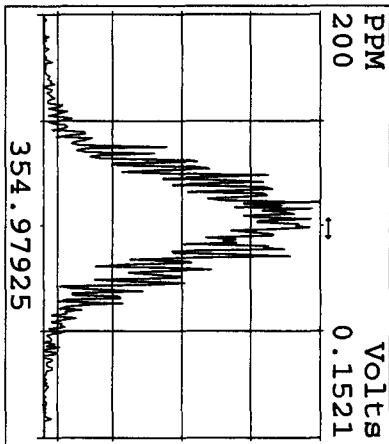
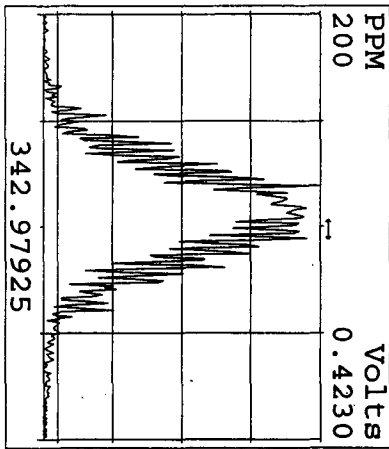
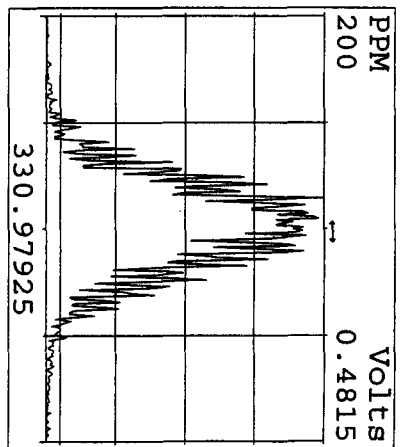
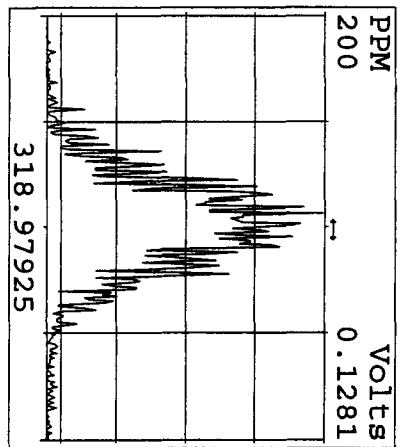
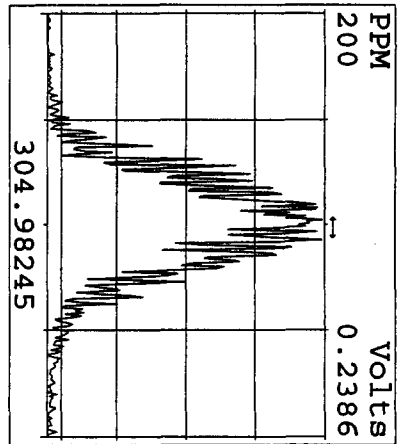
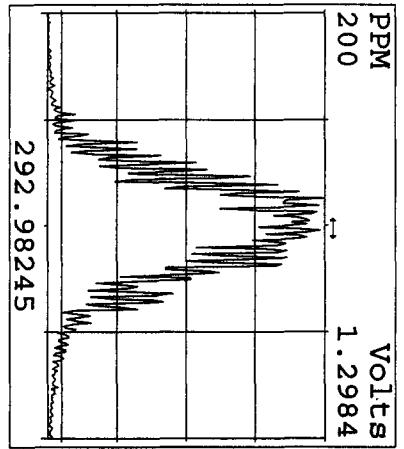
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 Experiment: DIOXIN Function: 4 Reference: PFK



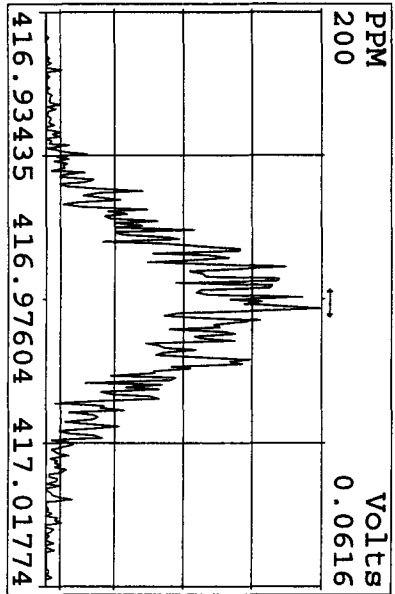
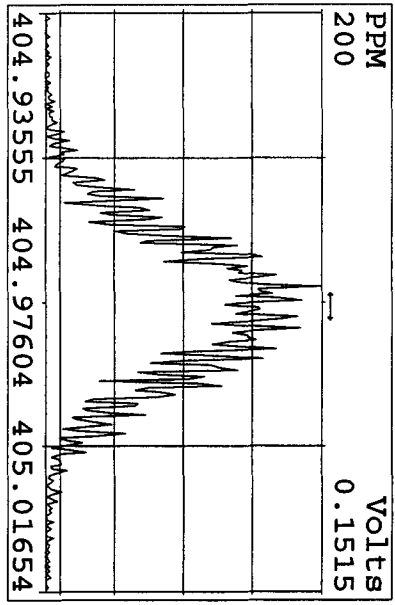
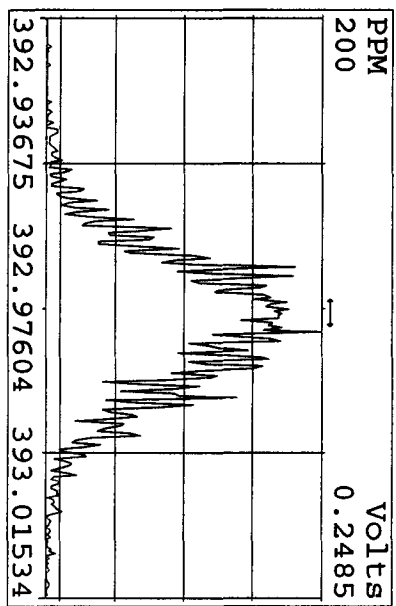
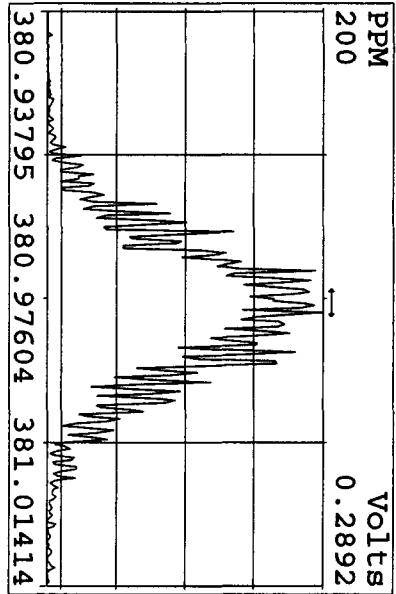
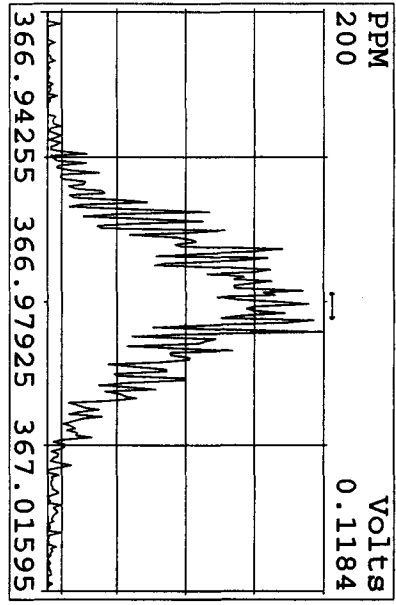
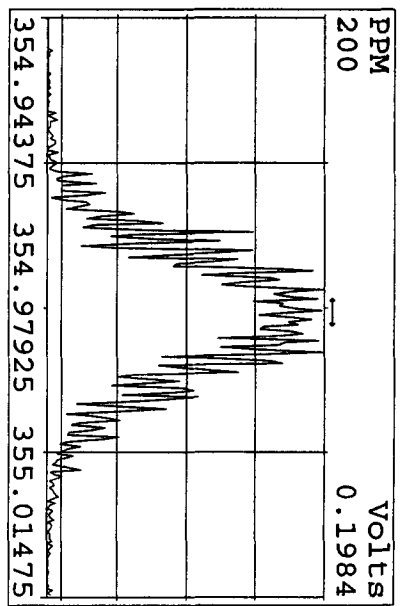
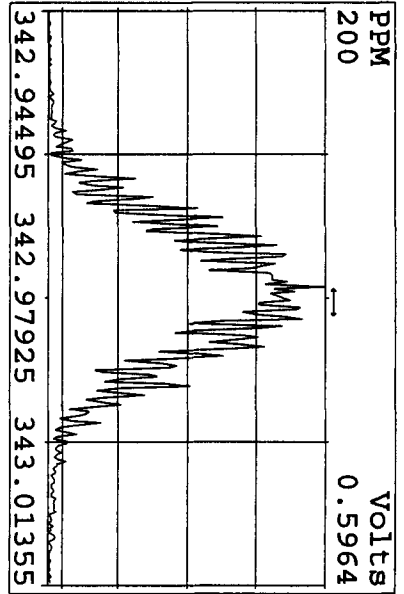
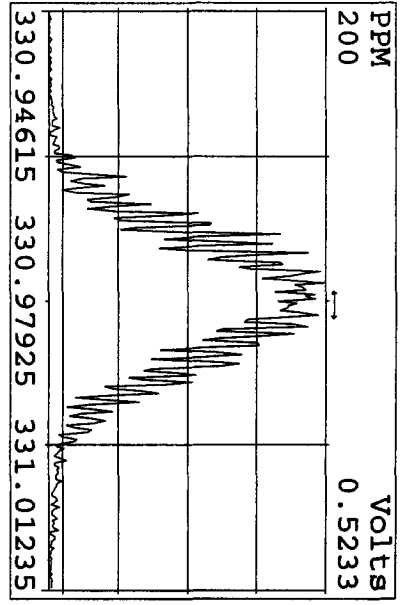
Peak Locate Examination: 26-APR-2010: 18:43 File: 26API0A1D5
 Experiment: DIOXIN Function: 5 Reference: PFK



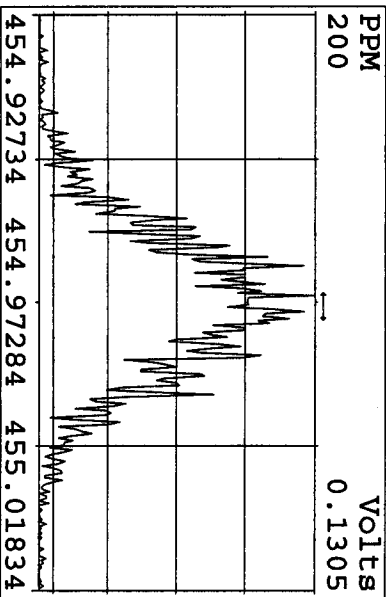
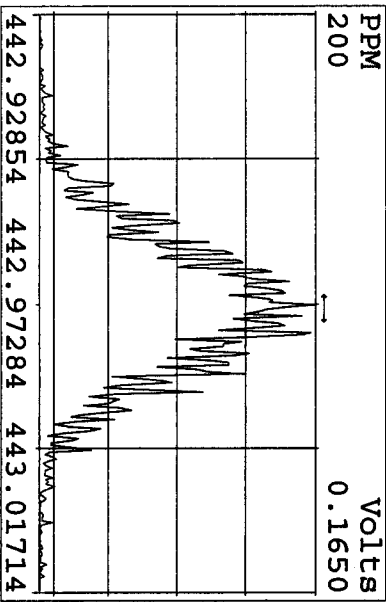
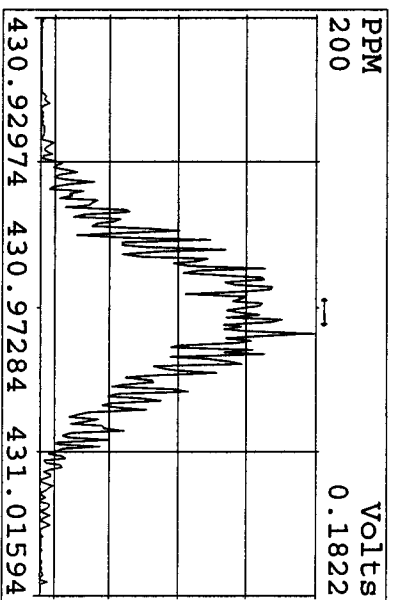
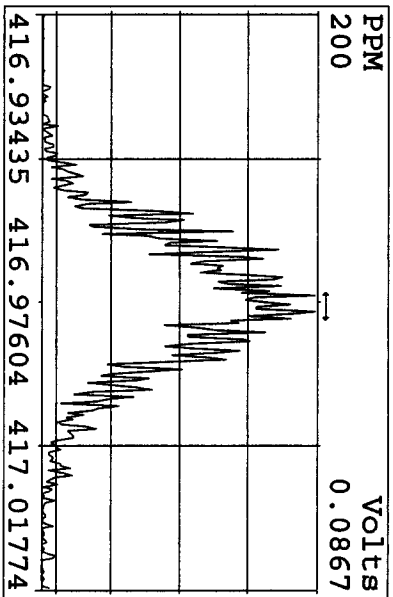
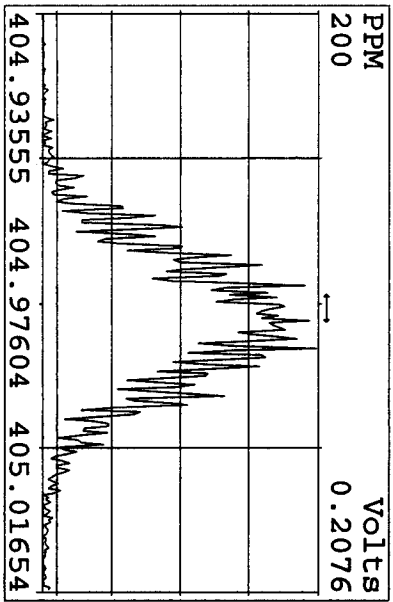
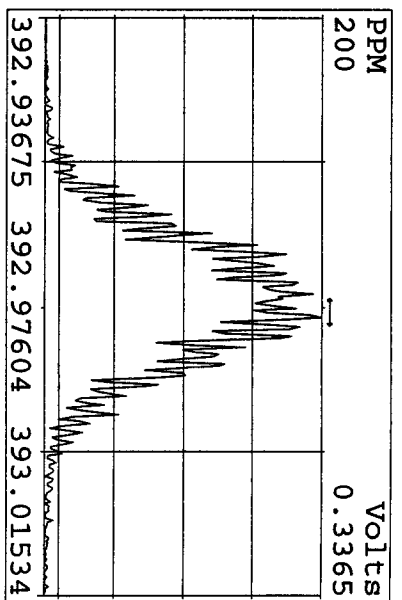
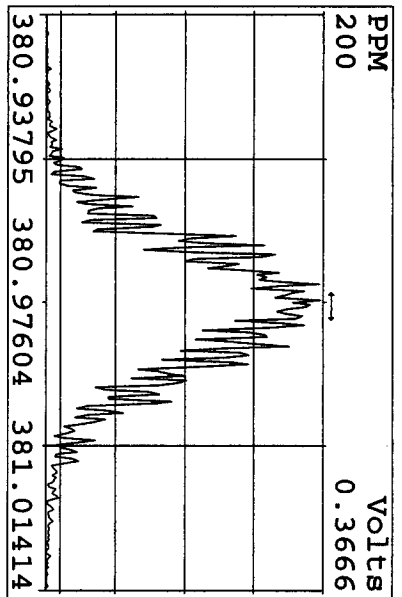
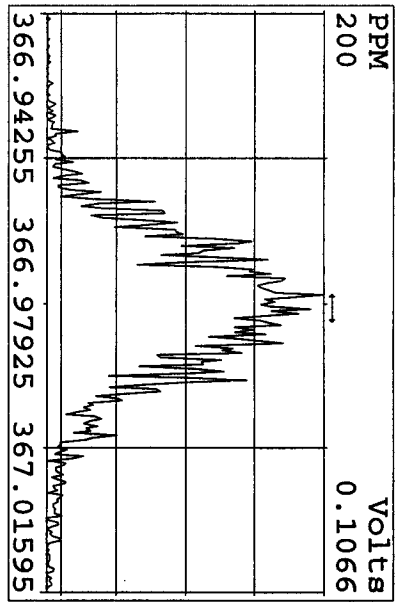
Peak Locate Examination: 27-APR-2010: 06:06 File: RESCHECK1D5
Experiment: DIOXIN Function: 1 Reference: PFK



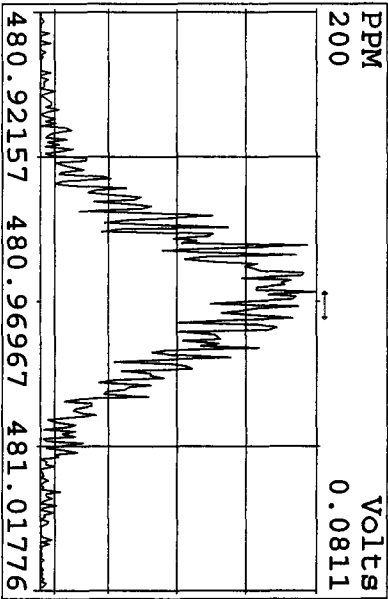
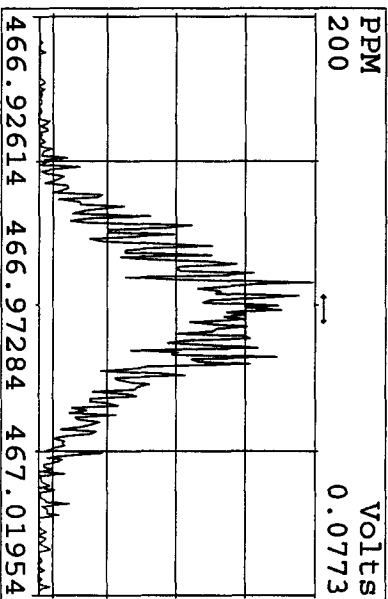
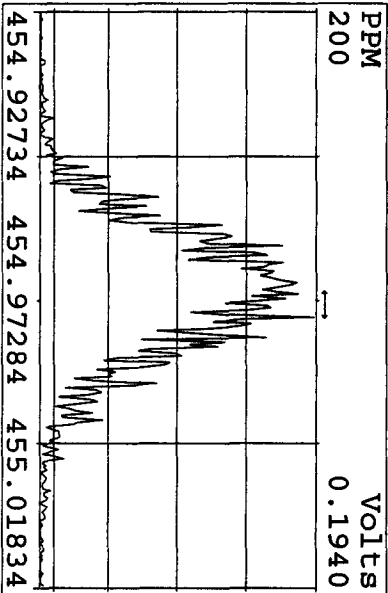
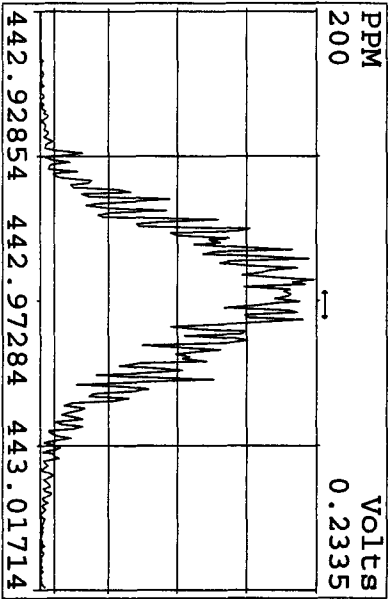
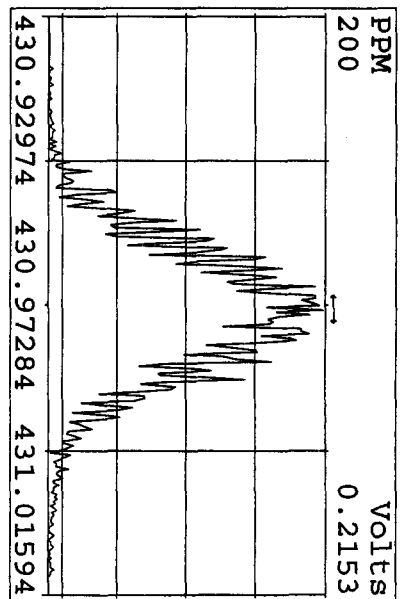
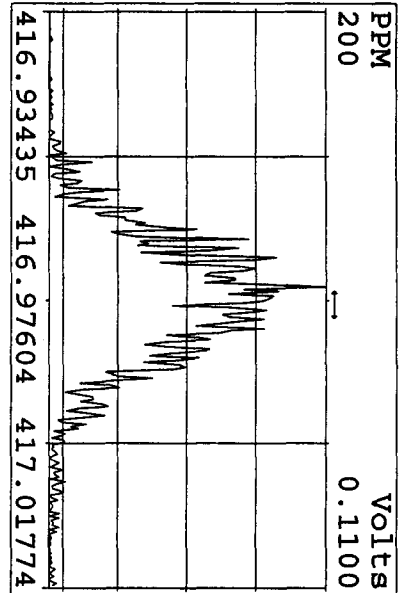
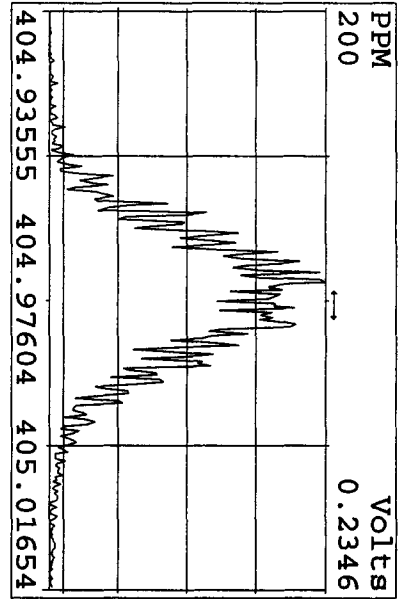
Peak Locate Examination: 27-APR-2010: 06:07 File: RESCHECK1.DS
 Experiment: DIOXIN Function: 2 Reference: PK



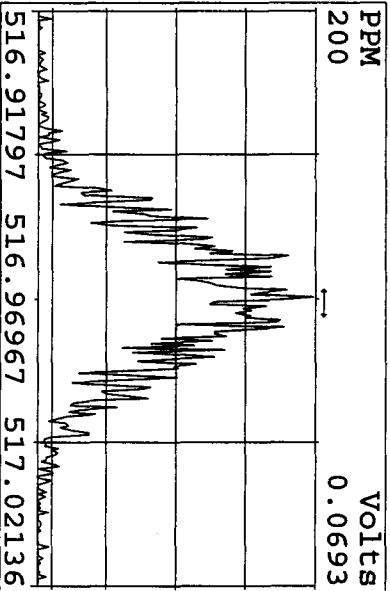
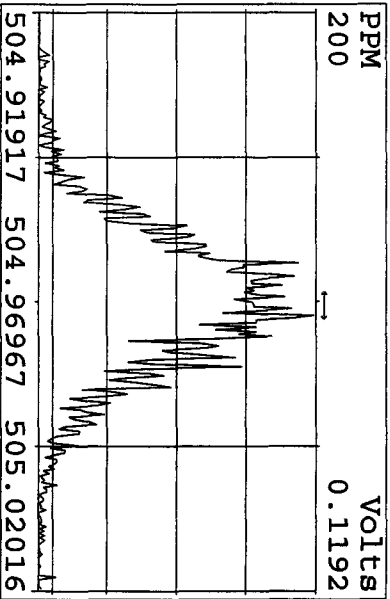
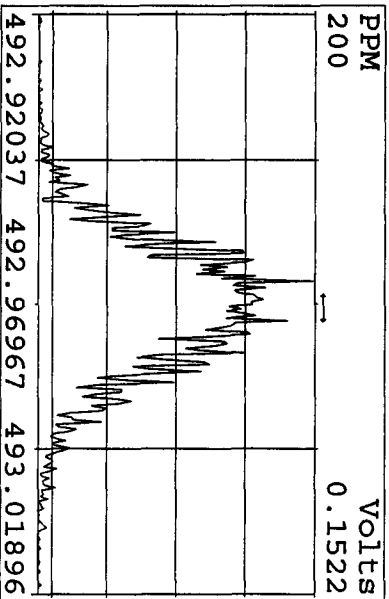
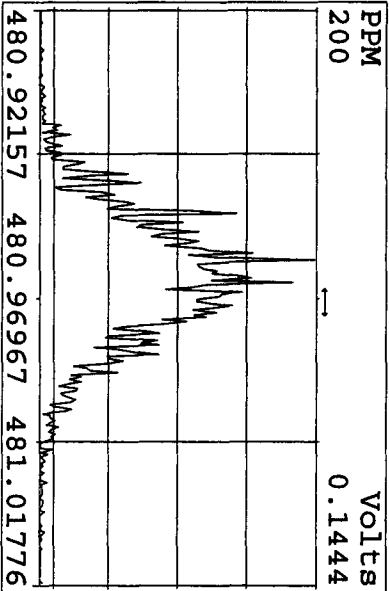
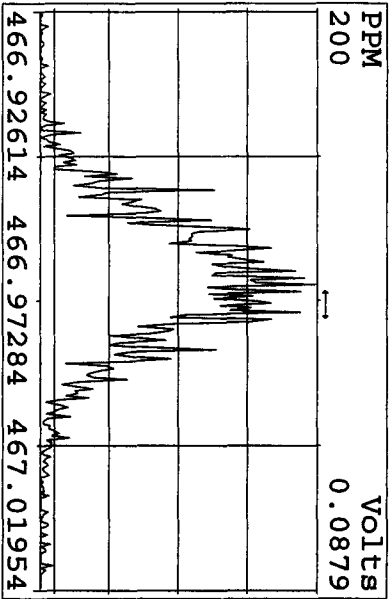
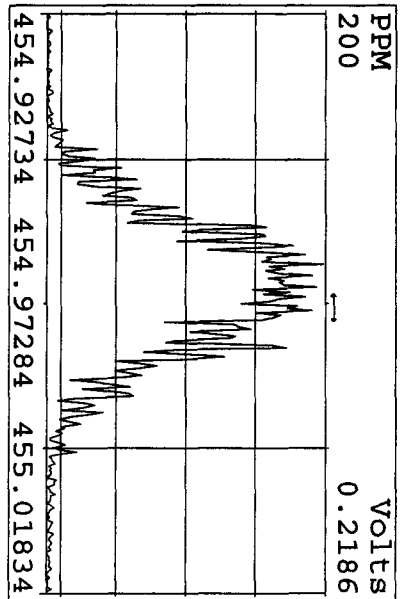
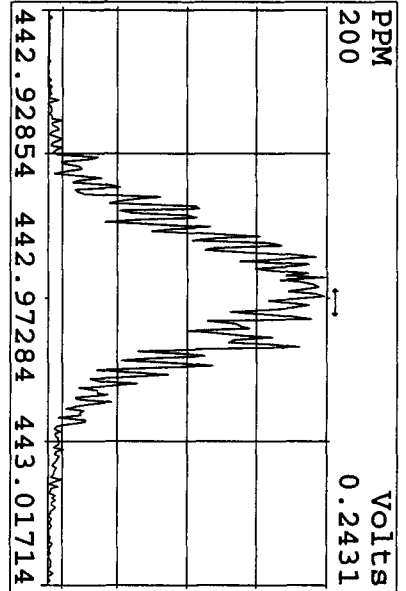
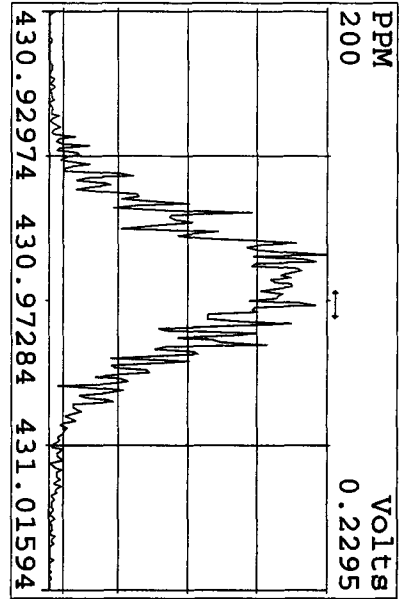
Peak Locate Examination: 27-APR-2010: 06:08 File: RESCHECK1.D5
 Experiment: DIOXIN Function: 3 Reference: PFK



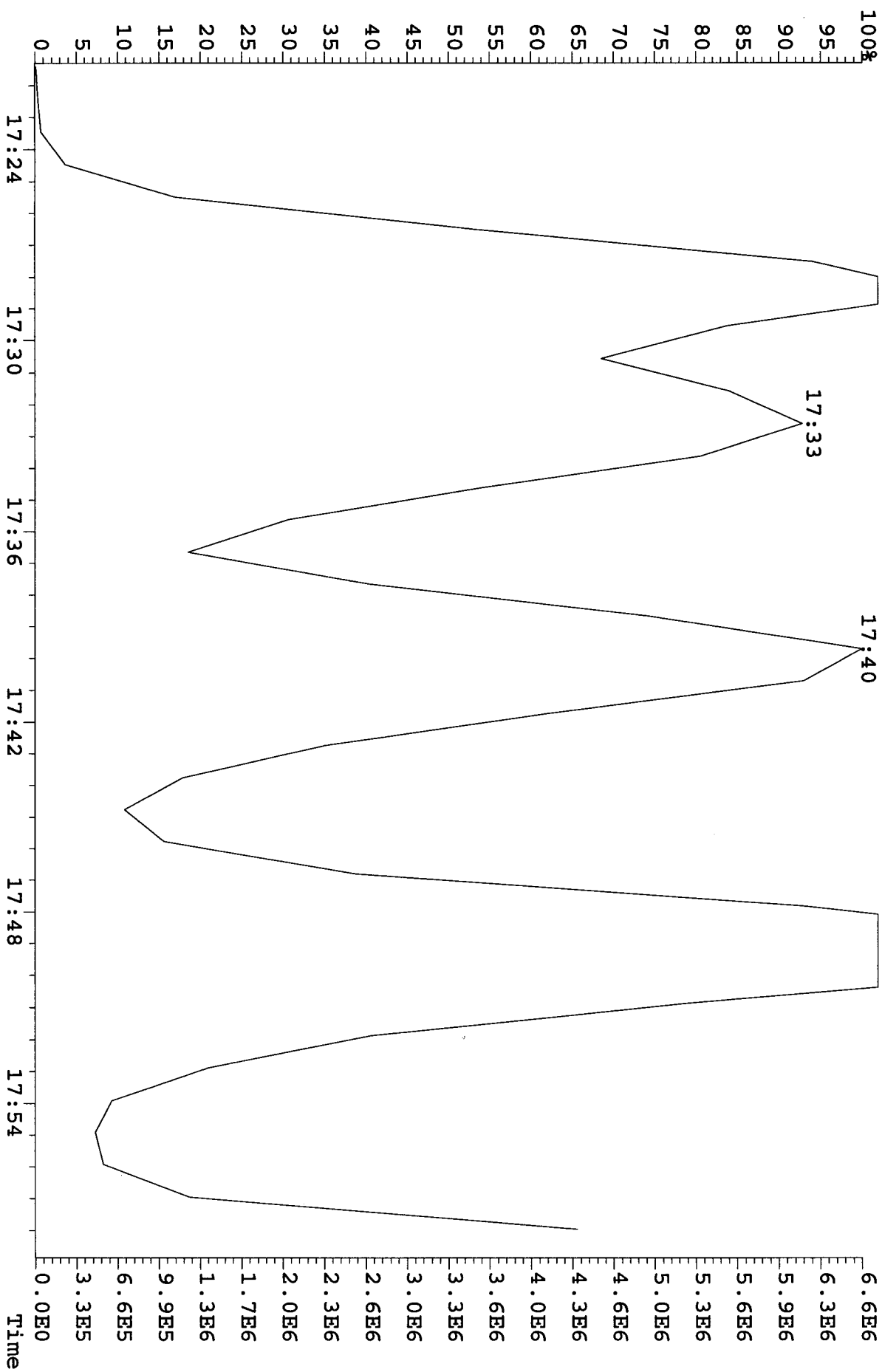
Peak Locate Examination: 27-APR-2010: 06:09 File: RESCHECK1.DS
 Experiment: DIOXIN Function: 4 Reference: PK



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



File: 26API0AID5 #1-385 Acq: 26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text: CP0426A : DB-5 CPSM 3732-05 Exp: DIOXIN
321.8936 S:3



Run: 26AP10A1D5 Analyte: 8290 Cal: 82901231091D5

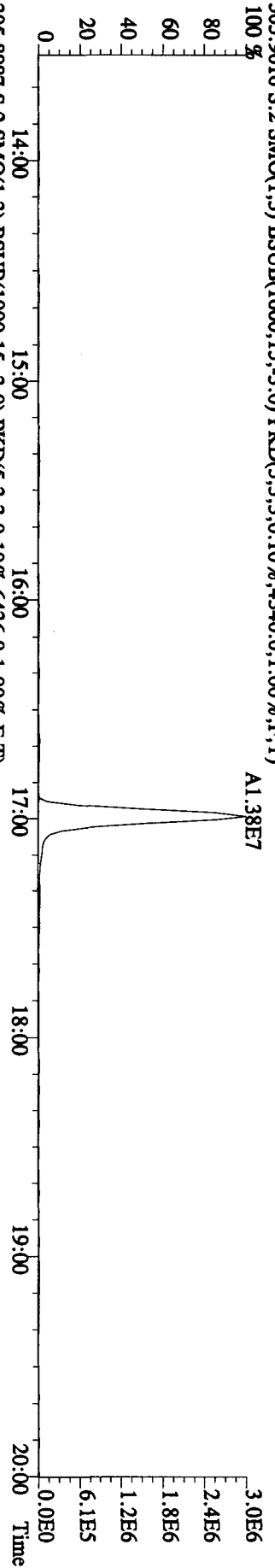
ST1231B :CS-1 09DXN422 ST1231C :CS-2 09DXN423 ST1231D :CS-3 09DXN425
 ST1231E :CS-4 09DXN426 ST1231F :CS-5 09DXN456

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

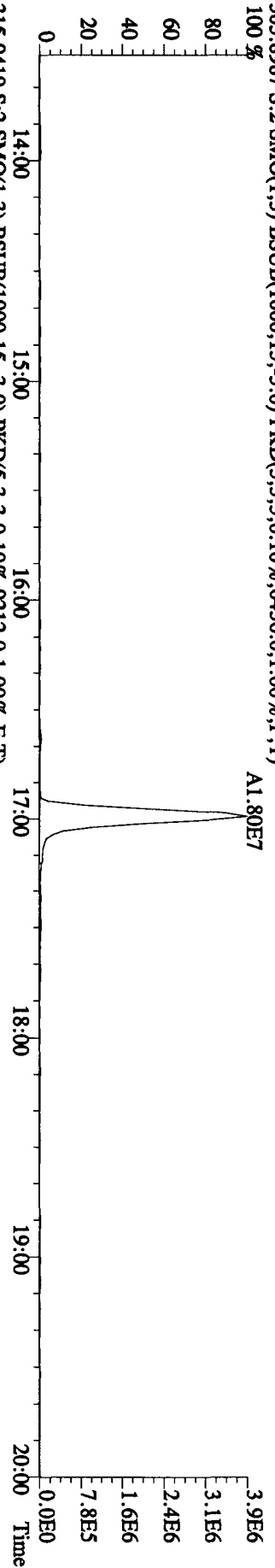
Name	Mean	S. D.	%RSD	S2	S3	S4	S5	S6
			%	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	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
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-HpCDD	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 HpCDD	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

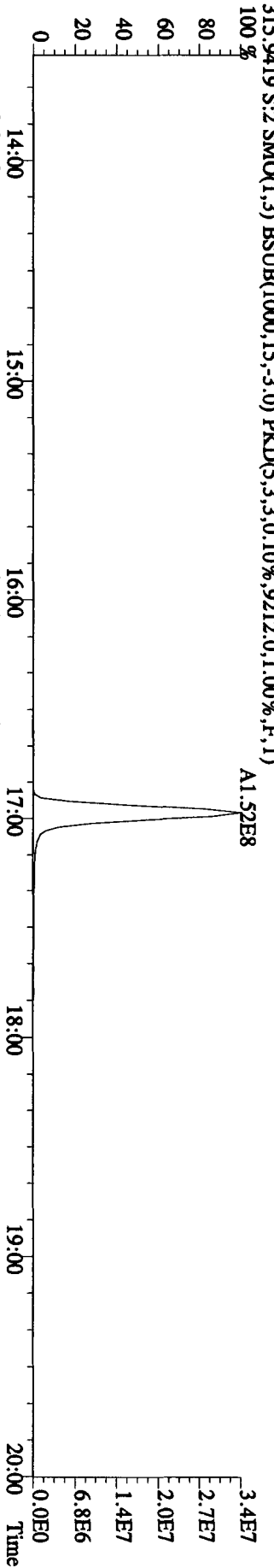
File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)
 100 %



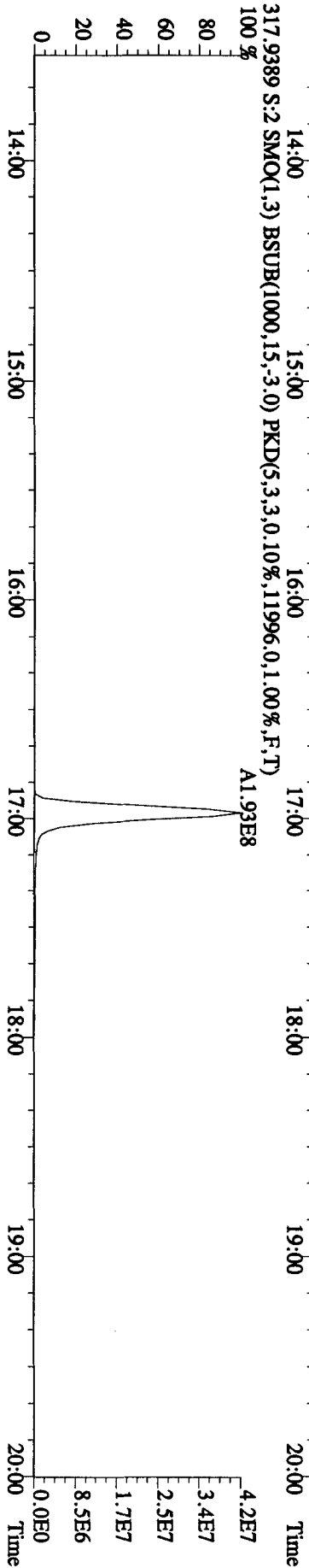
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6436.0,1.00%,F,T)
 100 %



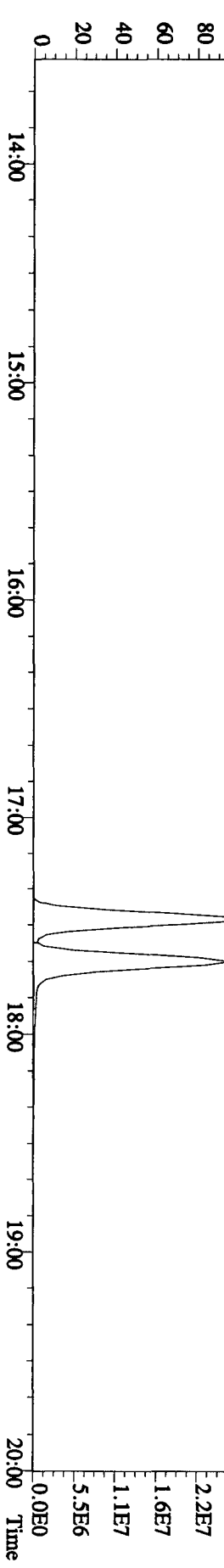
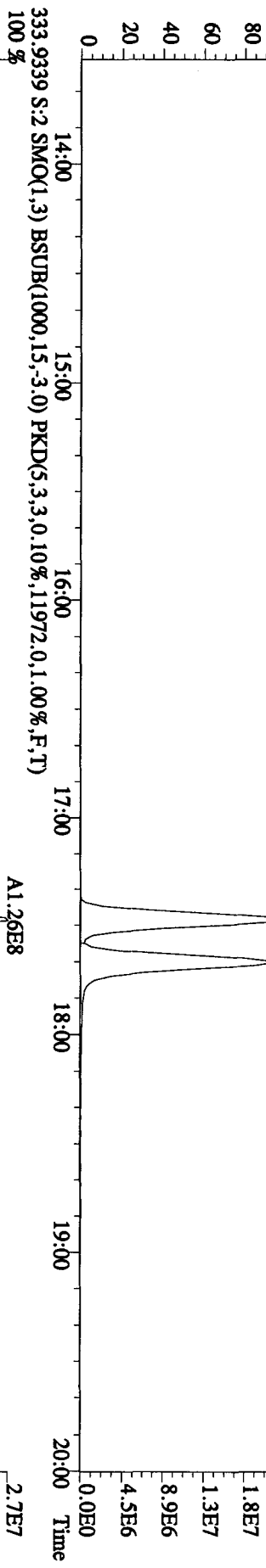
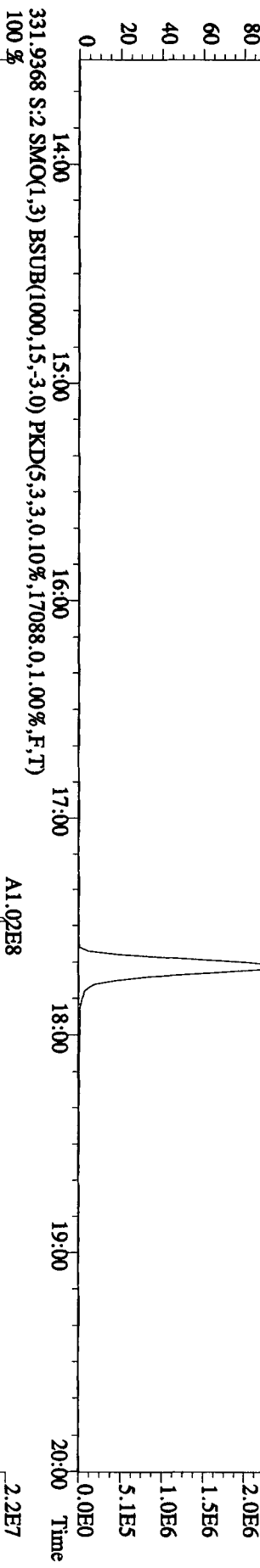
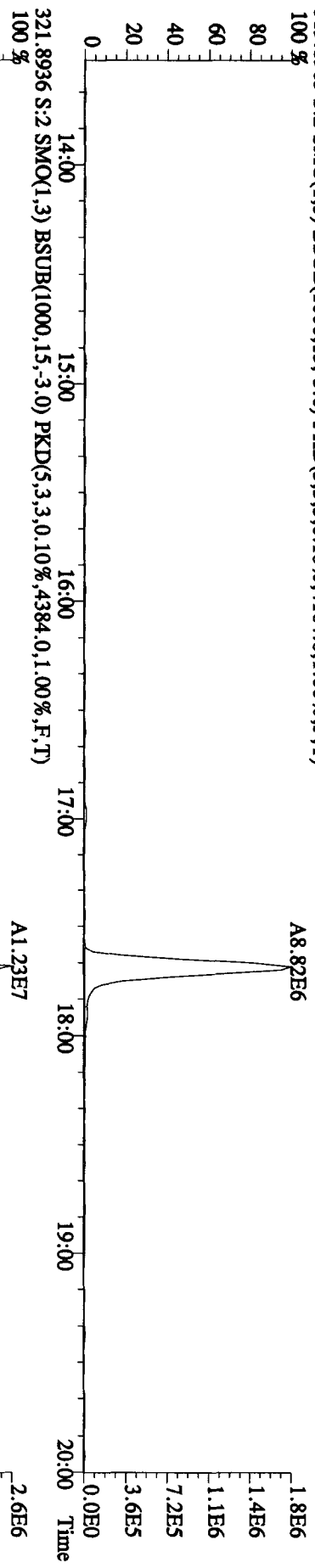
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9212.0,1.00%,F,T)
 100 %



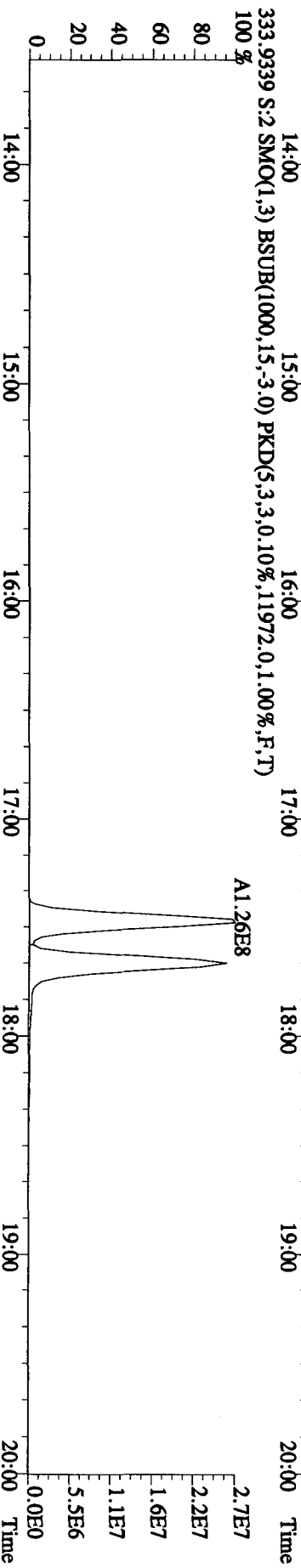
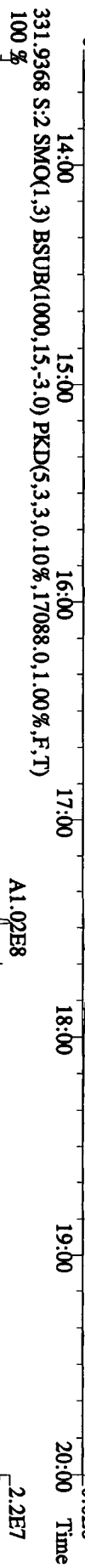
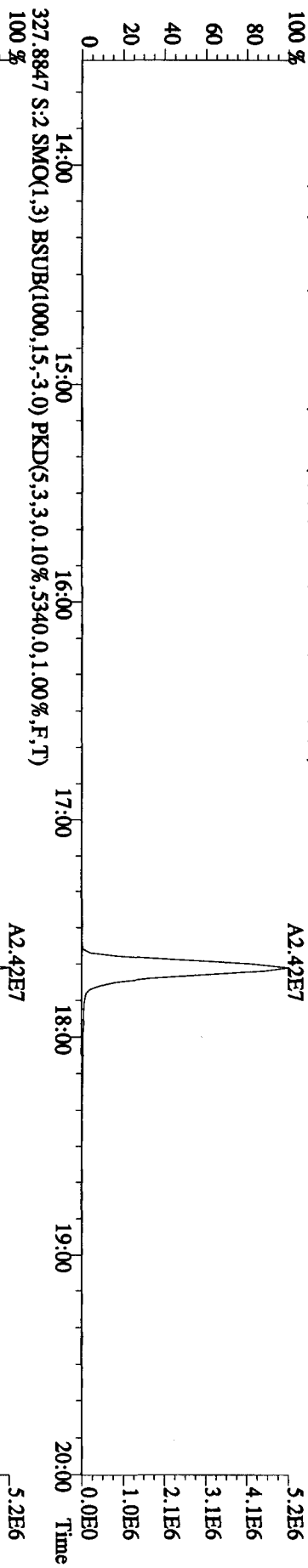
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11996.0,1.00%,F,T)
 100 %



File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 319.8965 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4164.0,1.00%,F,T)
 100%



File: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 %

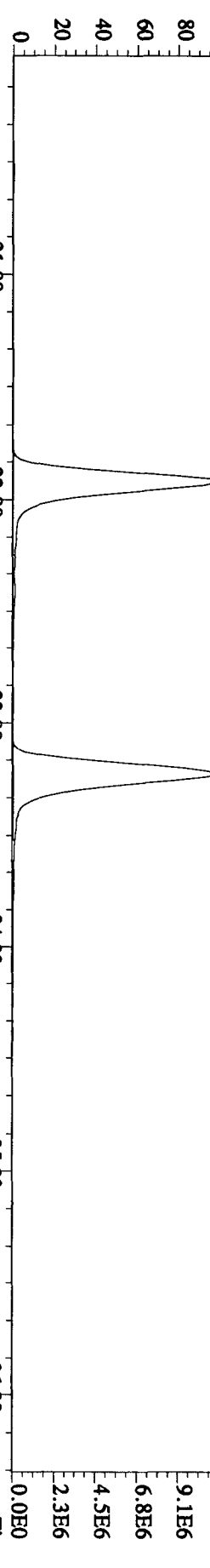


File:26AP10A1D5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

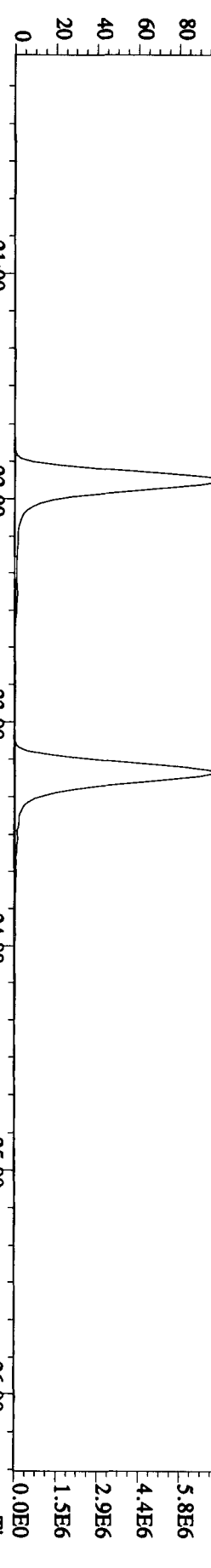
Sample#2 Text:ST0426B :CS3 10DXN111

Exp:DIOXIN

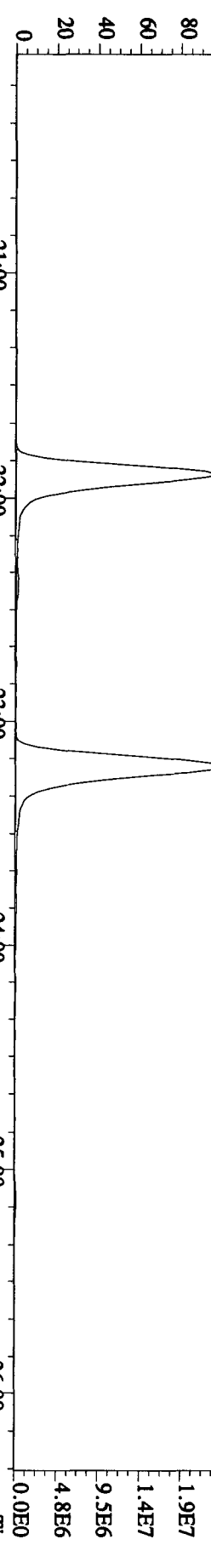
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7224,0,1,00%,F,T) 100% A7.40E7 A7.80E7



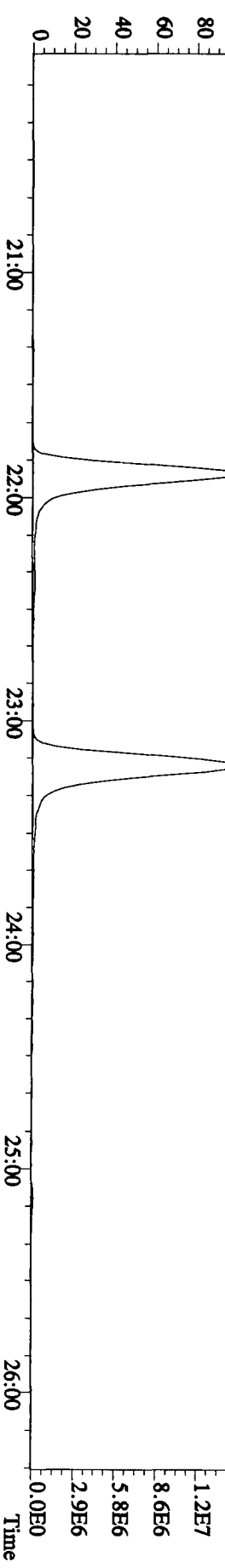
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10780,0,1,00%,F,T) 100% A4.78E7 A4.87E7



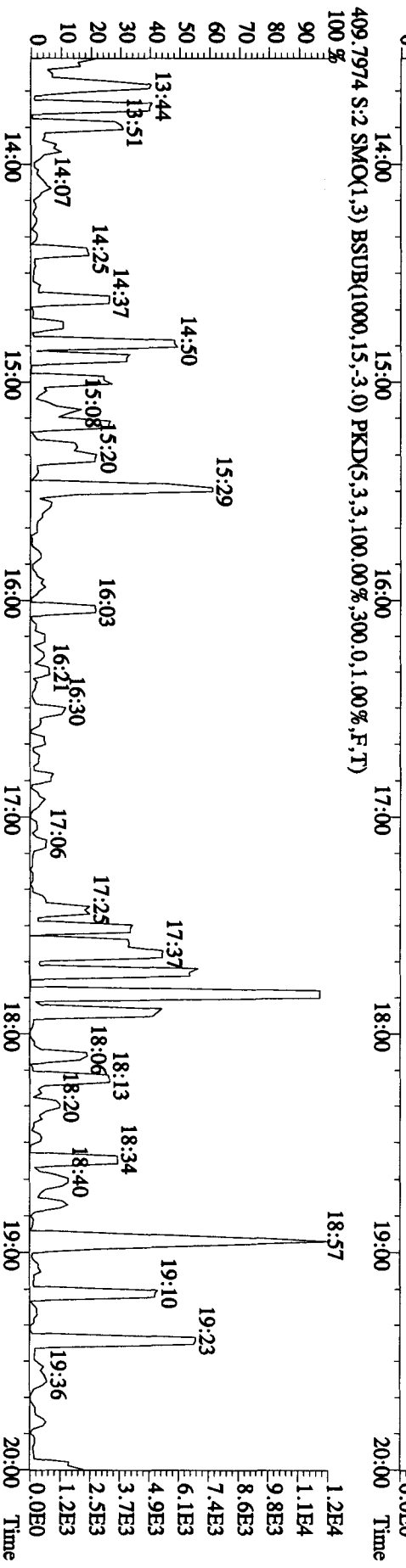
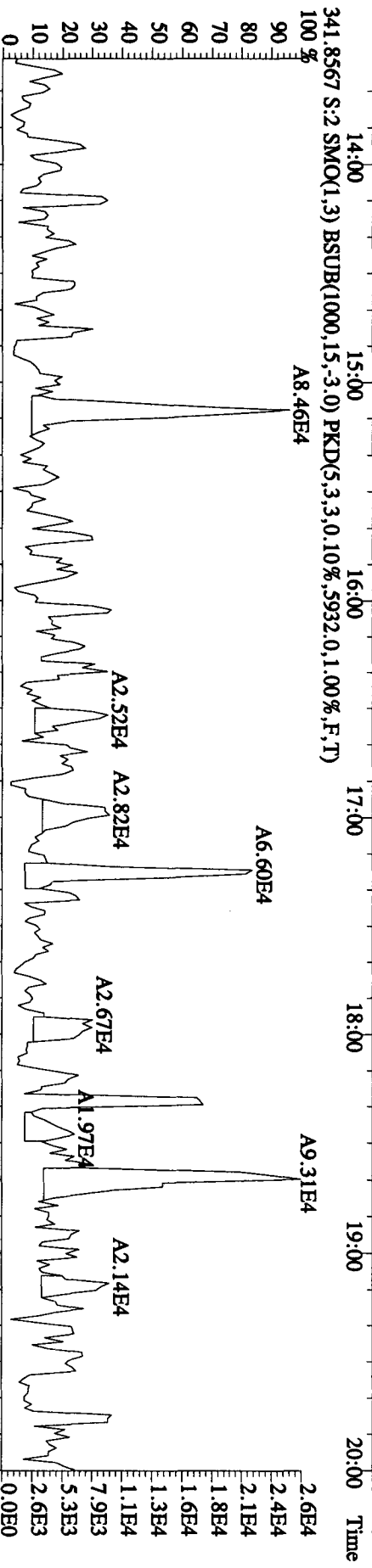
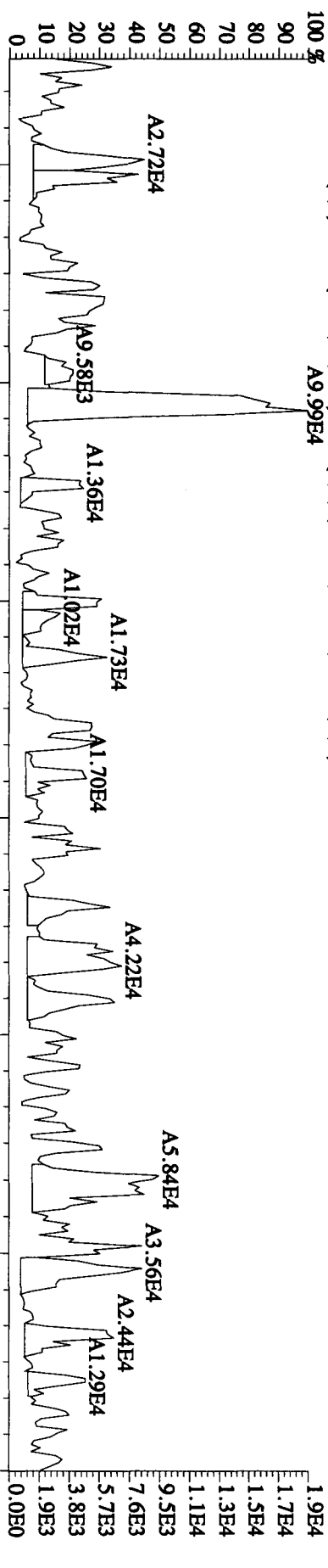
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11572,0,1,00%,F,T) 100% A1.50E8 A1.65E8



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



Sample#2 Text: ST0426B : CS3 10DDXN111 Exp: DIOXIN

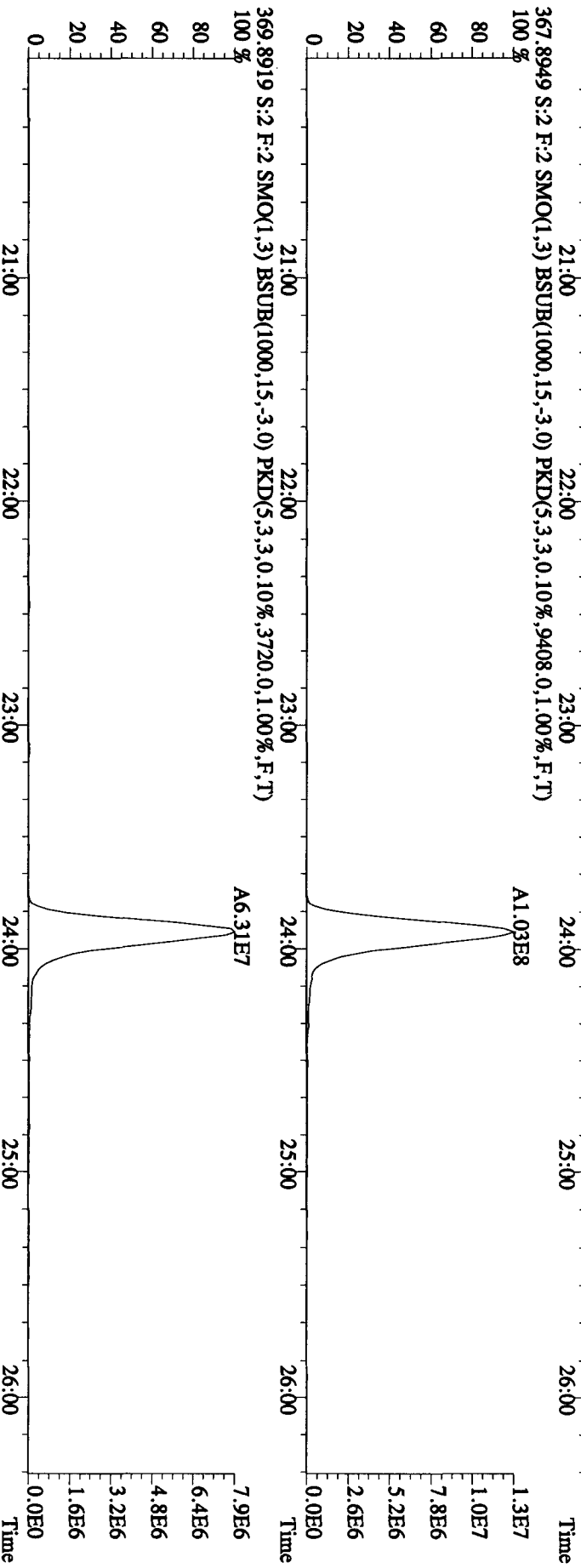
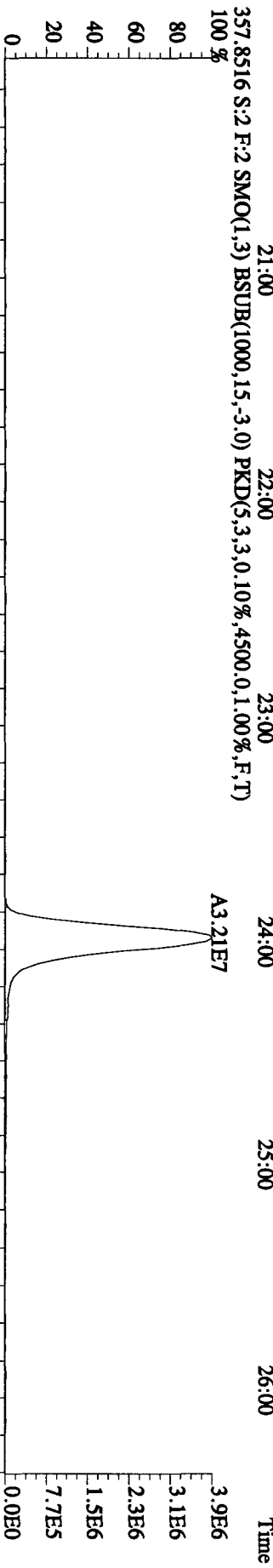
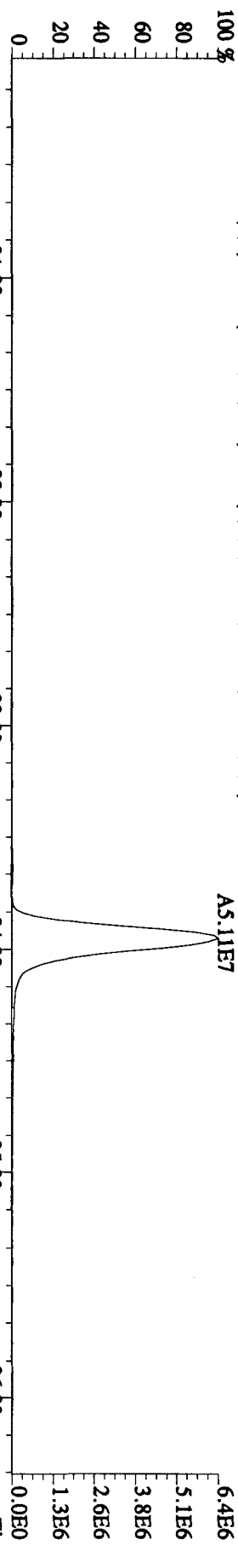


File: 26AP10A1D5 #1-445 Acq: 26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE

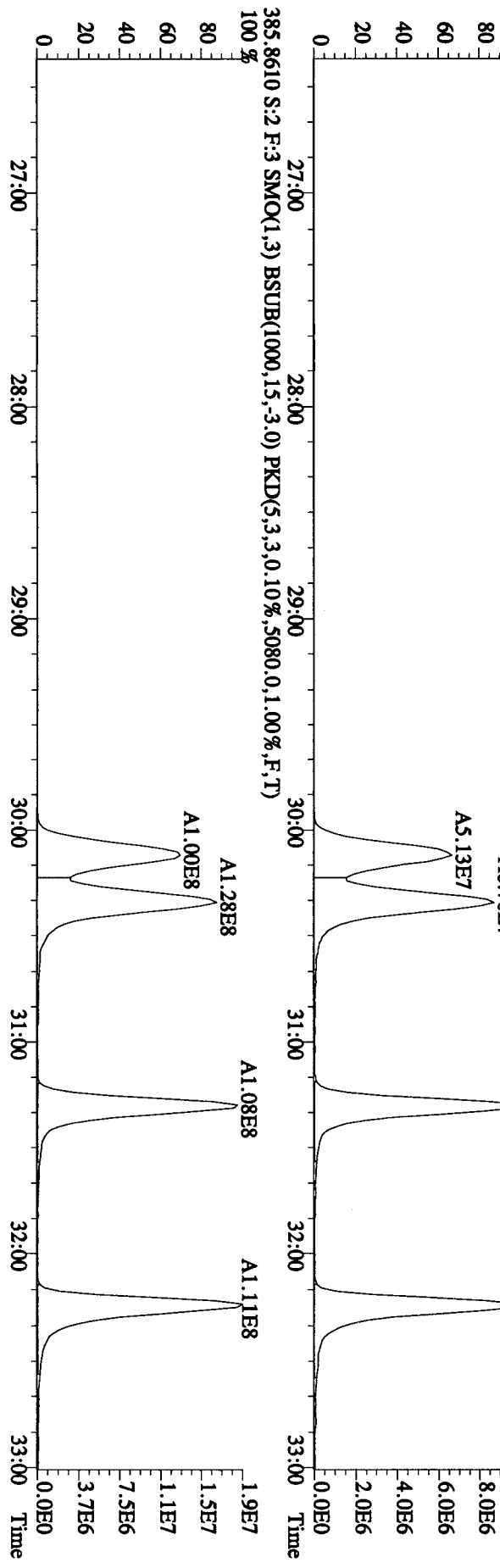
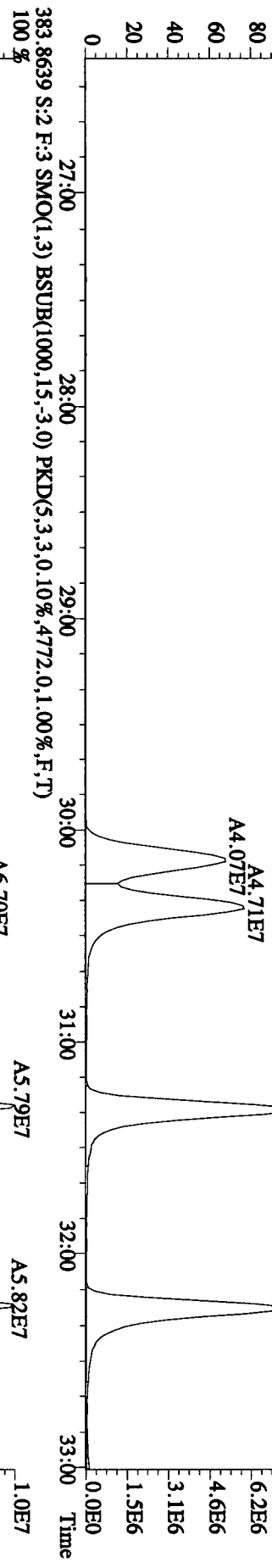
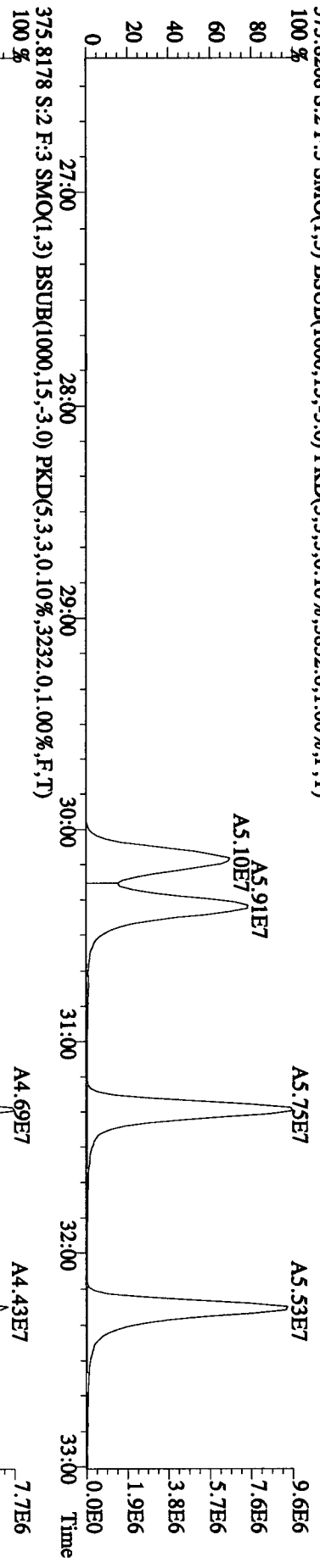
Sample#2 Text: ST0426B :CS3 10DXN111

Exp: DIOXIN

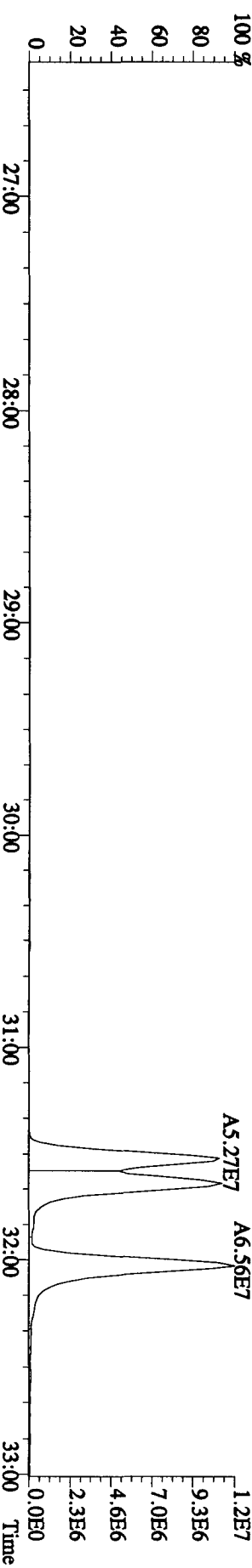
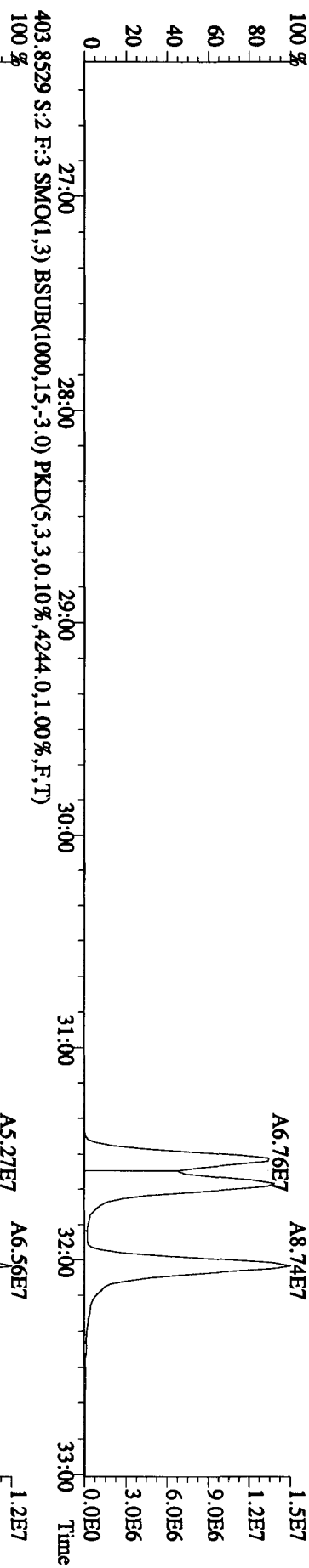
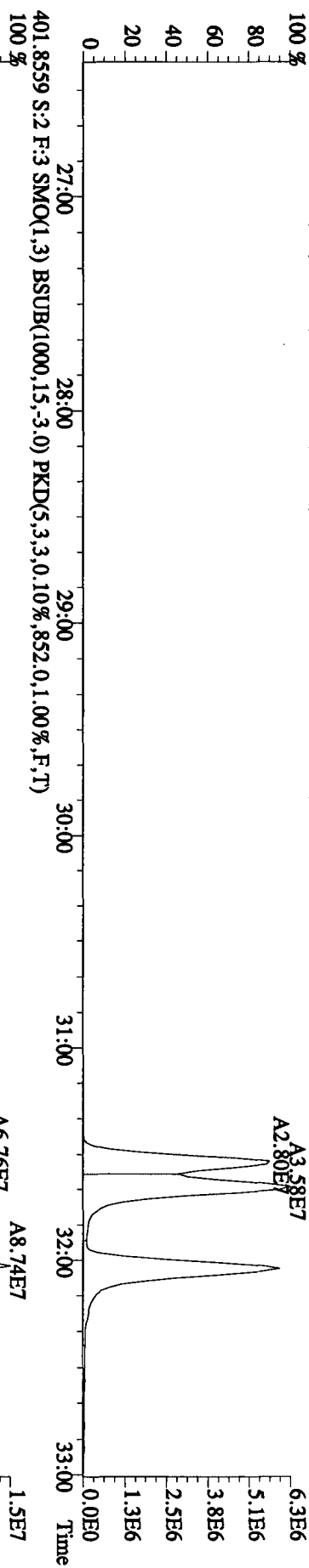
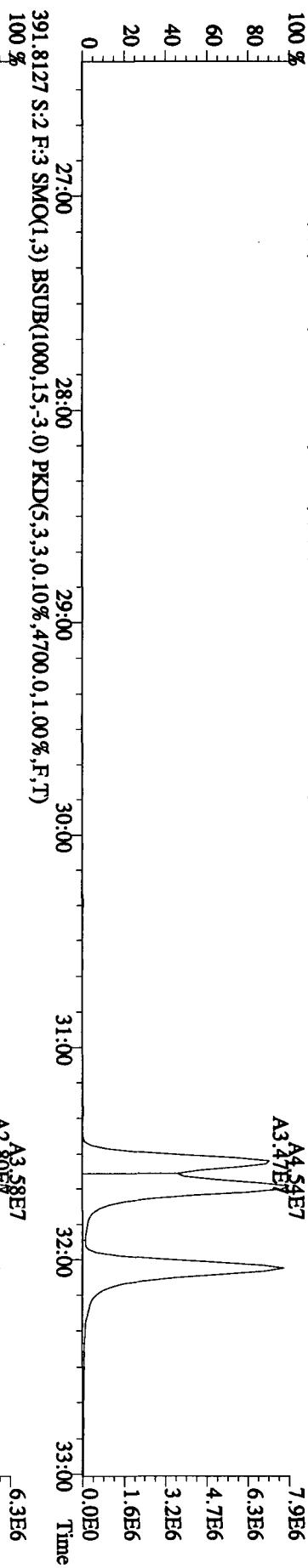
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7128,0,1,00%,F,T)



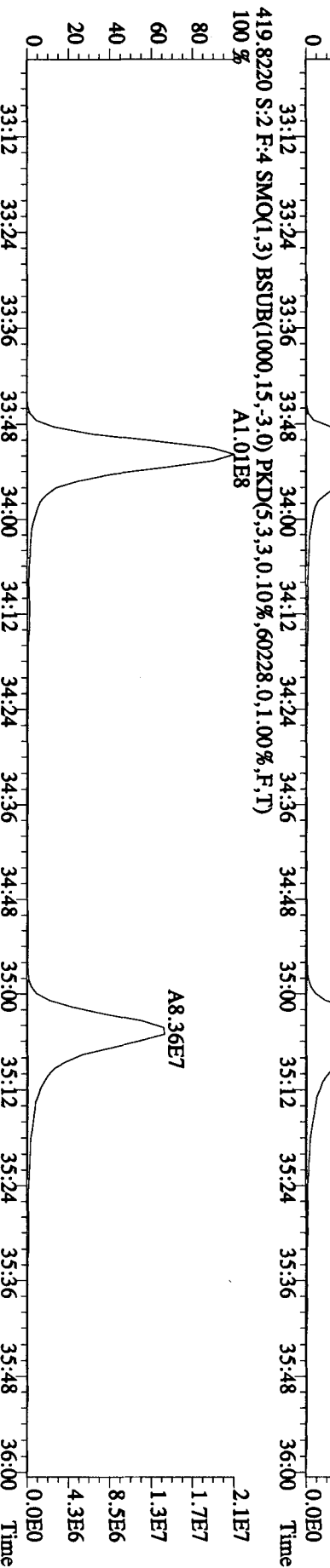
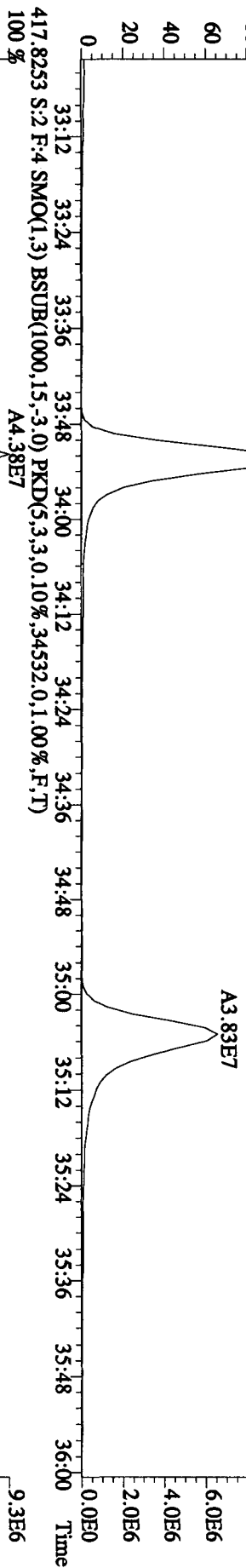
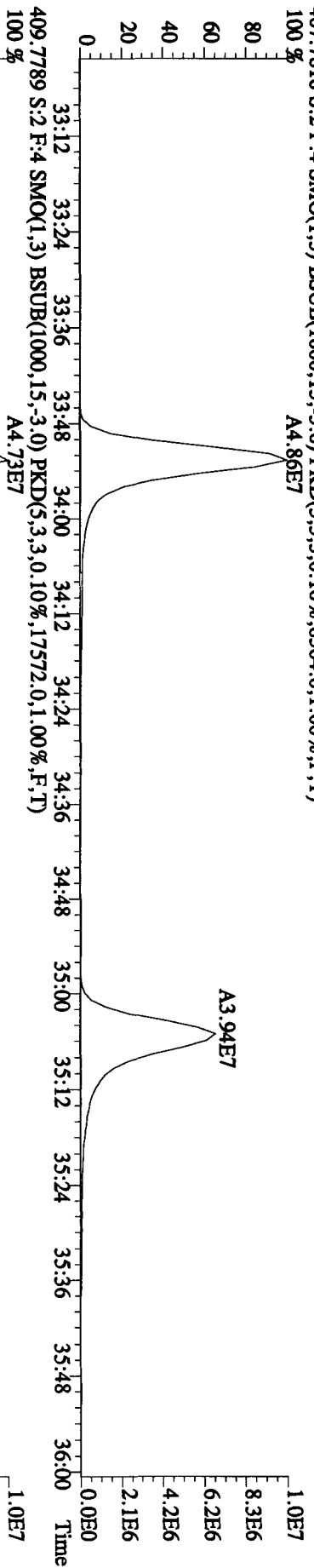
File:26AP10A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3832,0,1,00%,F,T)



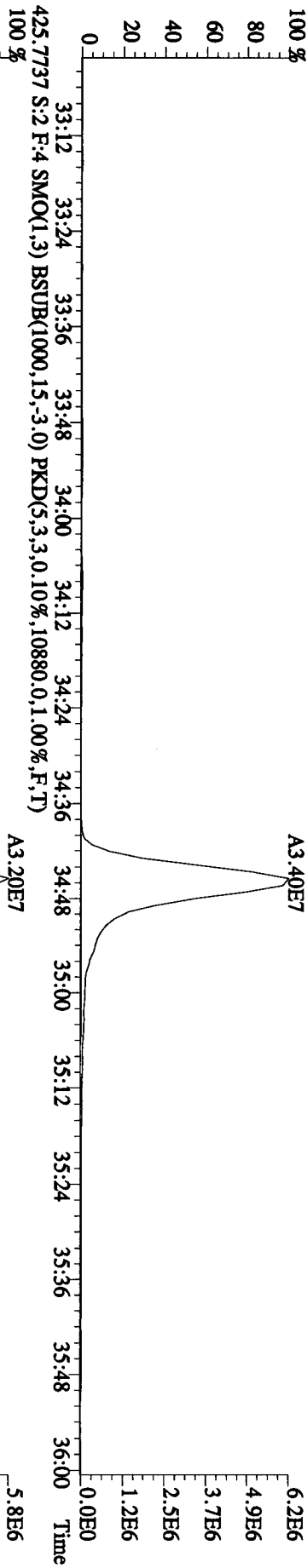
File:26AP10AID5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3072,0.1,0.00%,F,T)
 100 %



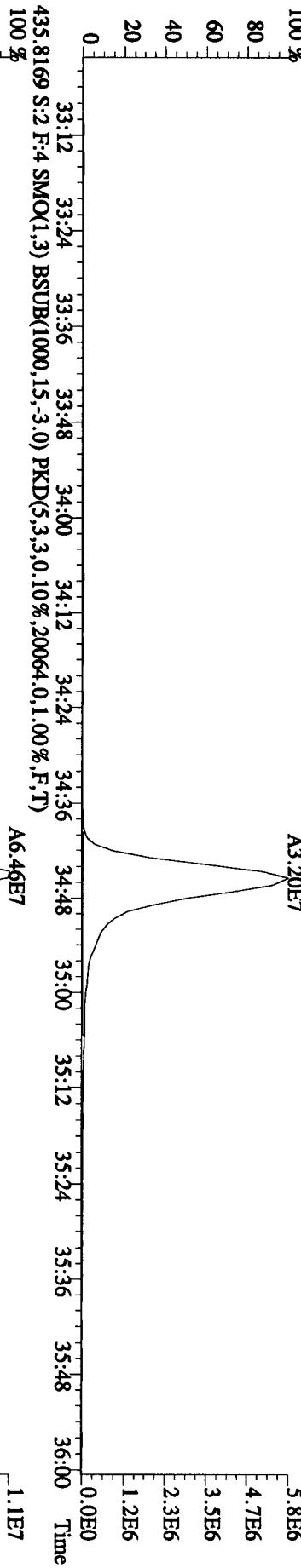
Sample#2 Text: ST0426B : CS3 10DXN111 Exp: DIOXIN
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8364,0.1,0.00%,F,T)
100%



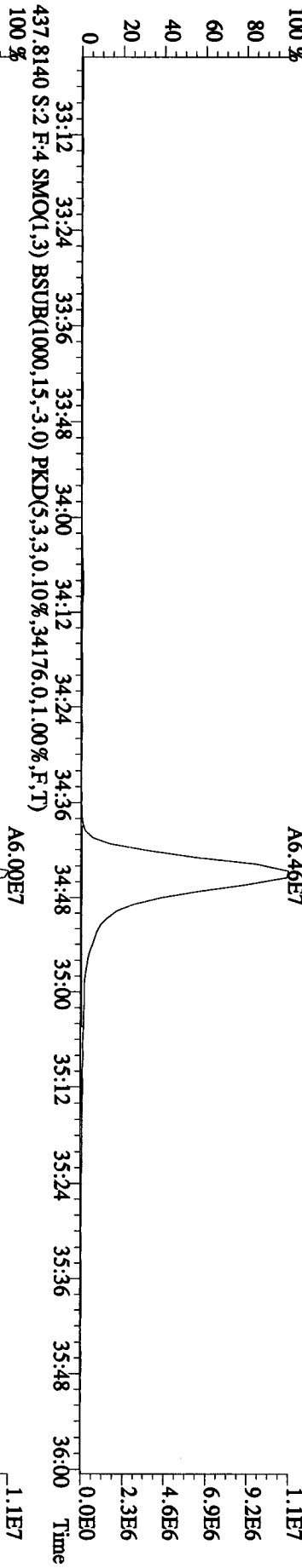
100 %



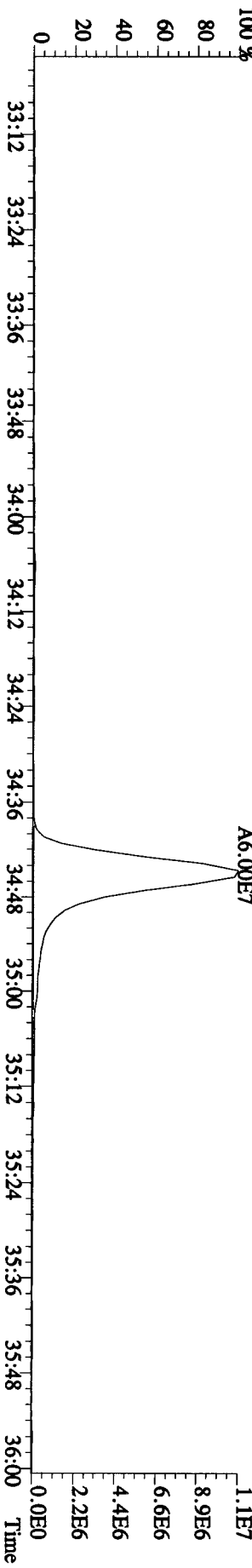
100 %



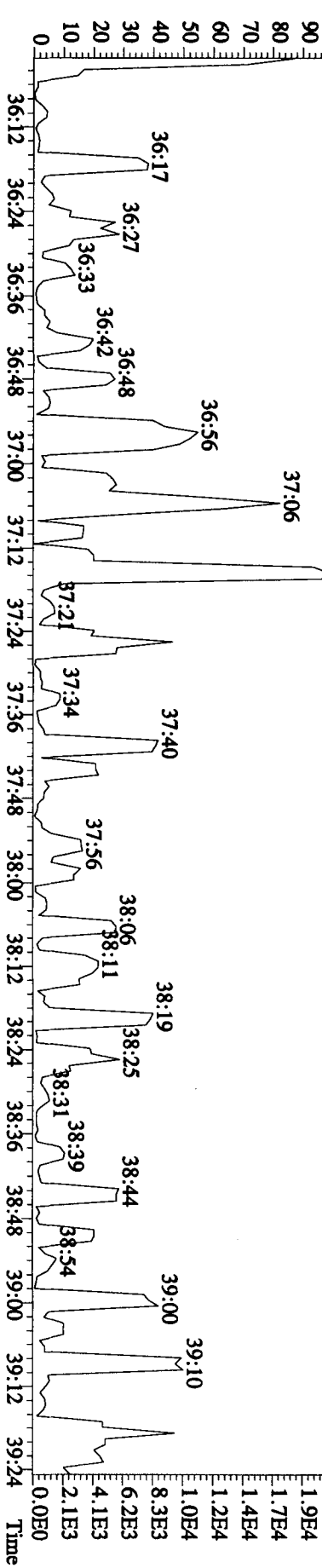
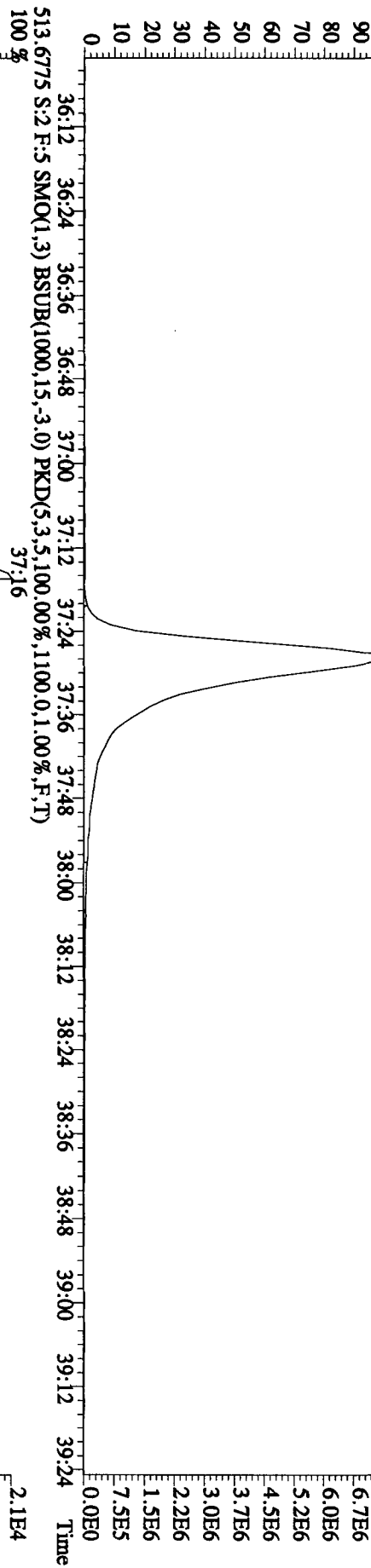
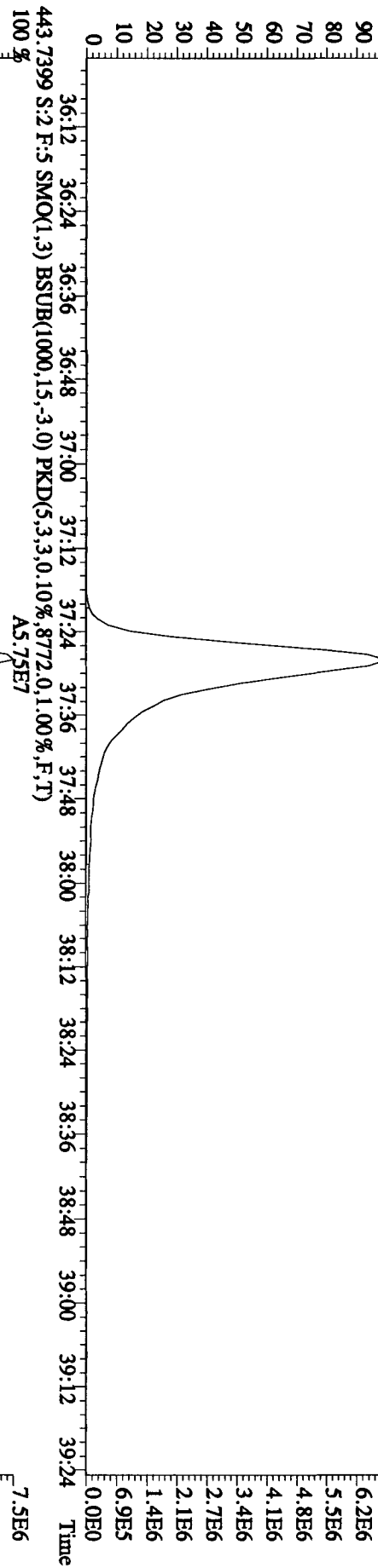
100 %



100 %



File:26AP10A1D5 #1-244 Acq:26-APR-2010 19:26:59 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)
 100% A5.19E7

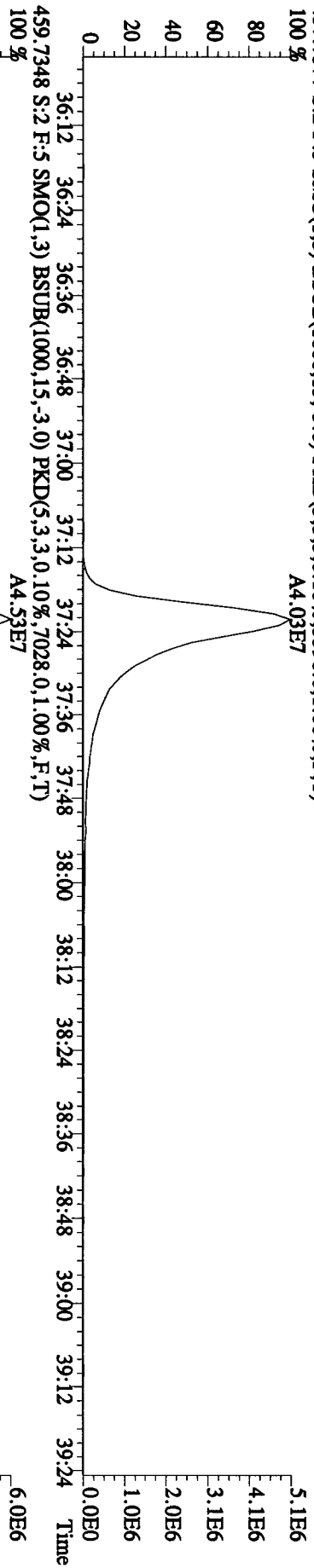


Sample#2 Text:ST0426B :CS3 10DXN111

Exp:DIOXIN

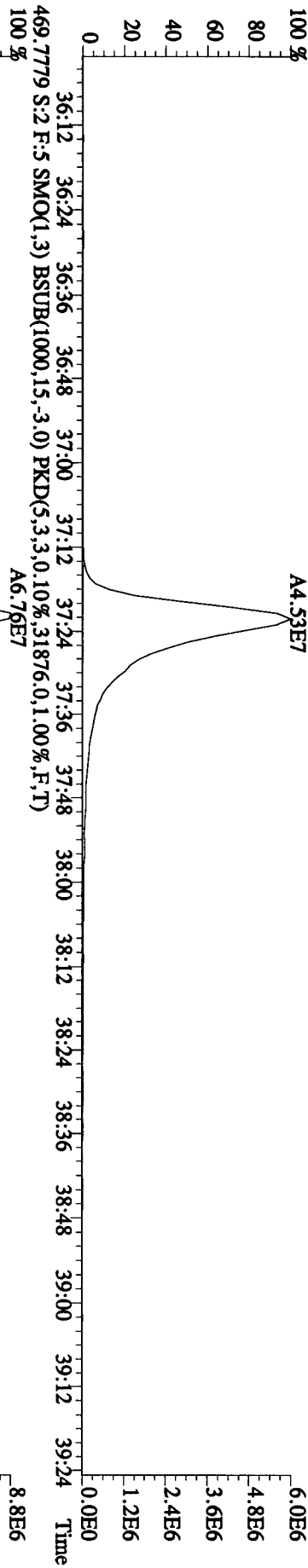
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,5596.0,1.00%,F,T)

A4.03E7



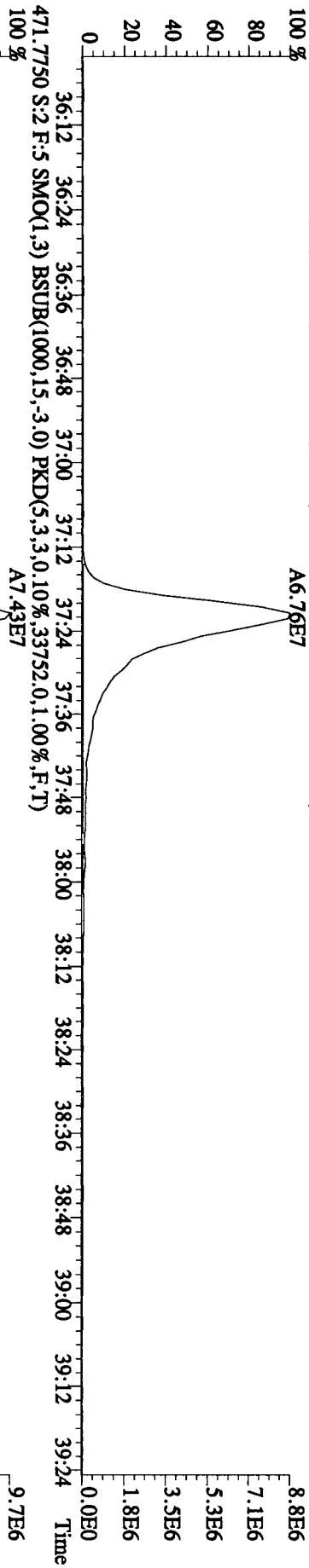
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,7028.0,1.00%,F,T)

A4.53E7



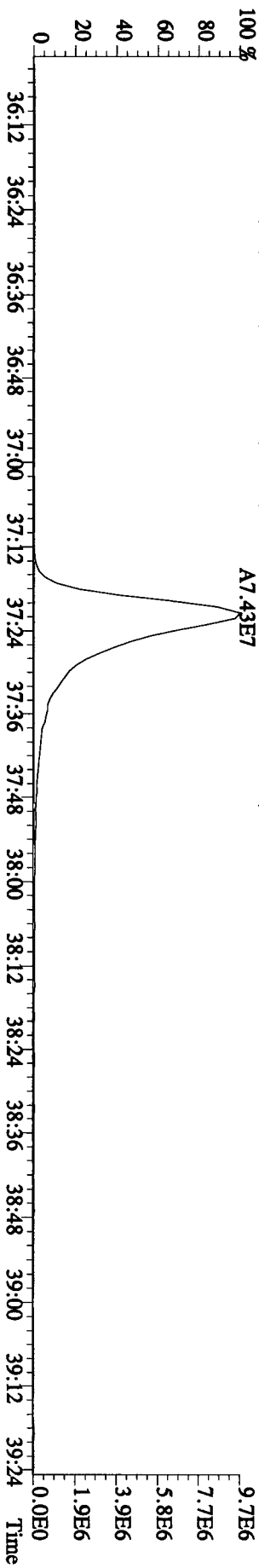
469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,31876.0,1.00%,F,T)

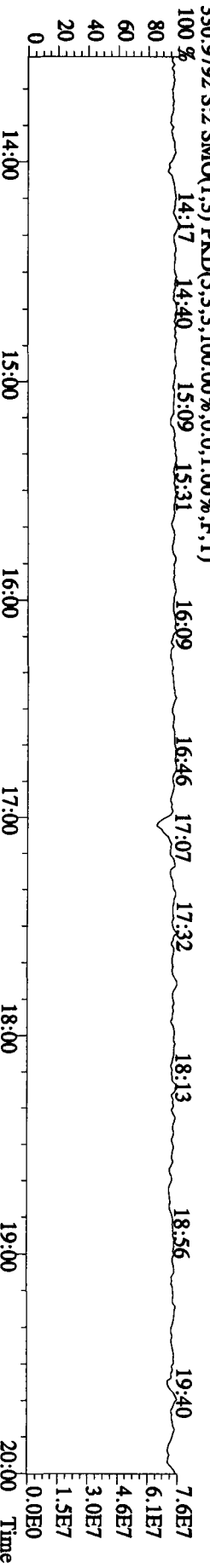
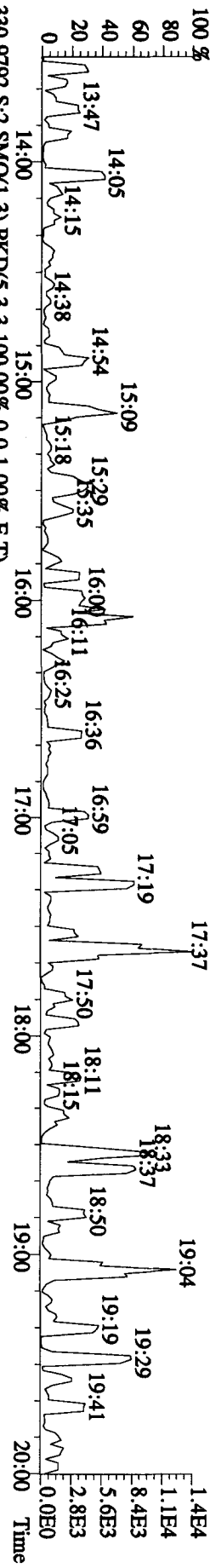
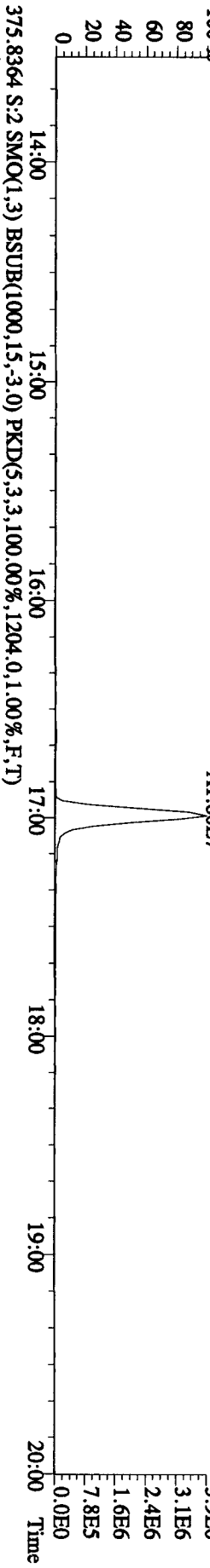
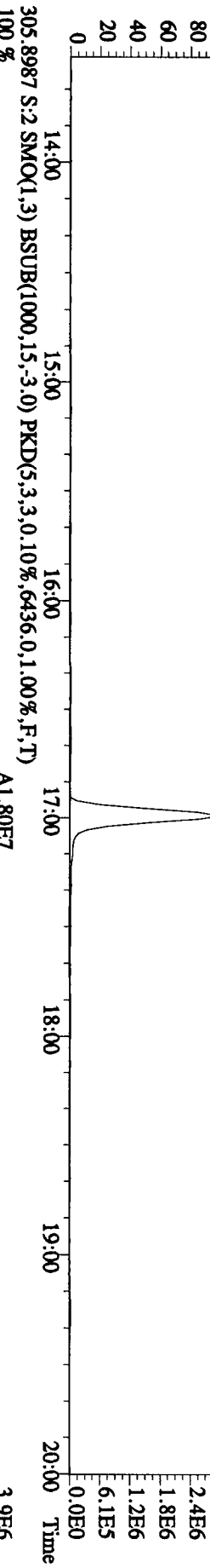
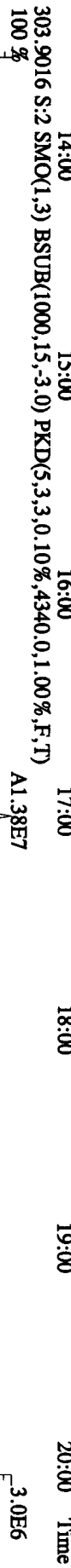
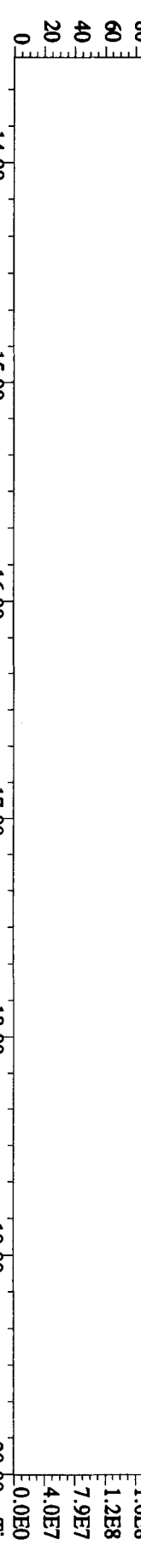
A6.76E7

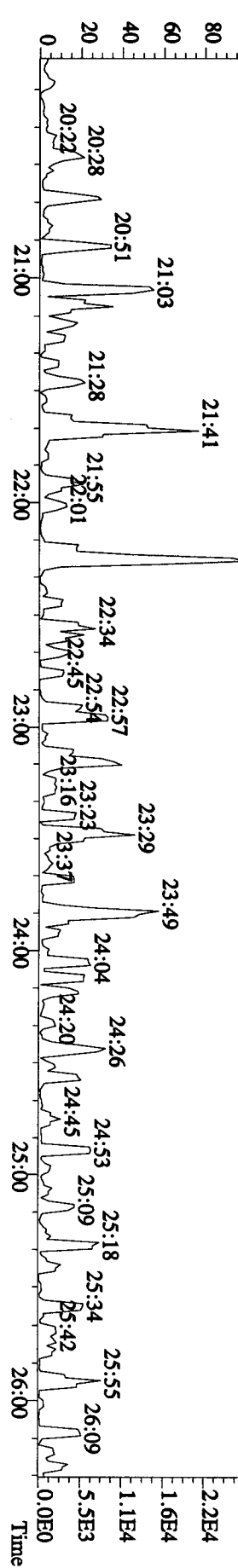
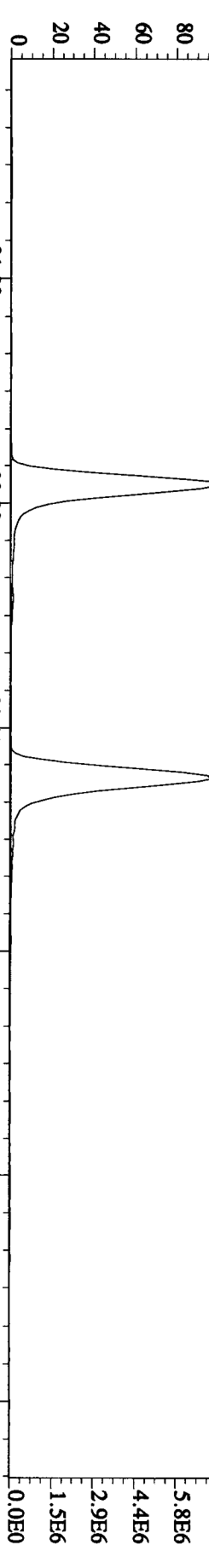
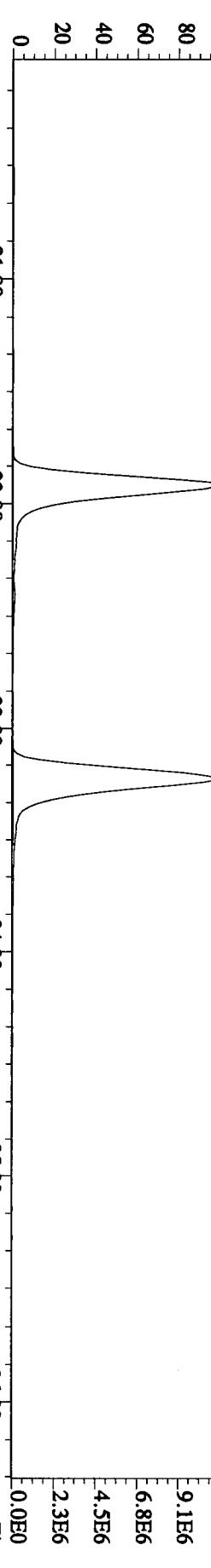
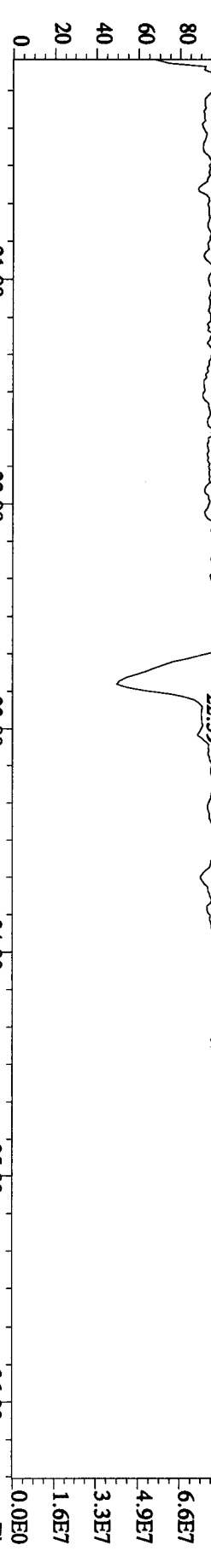


471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,33752.0,1.00%,F,T)

A7.43E7

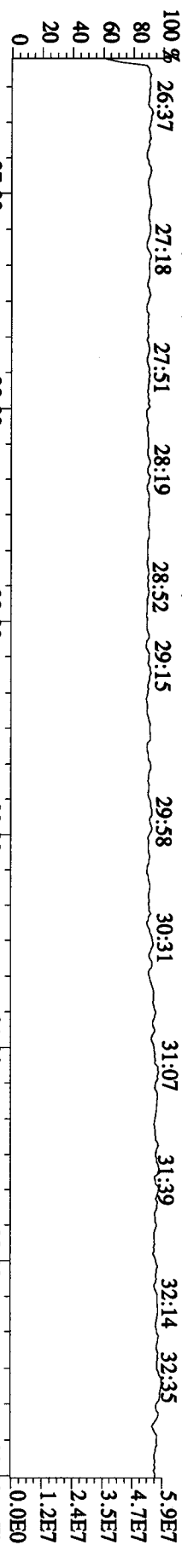




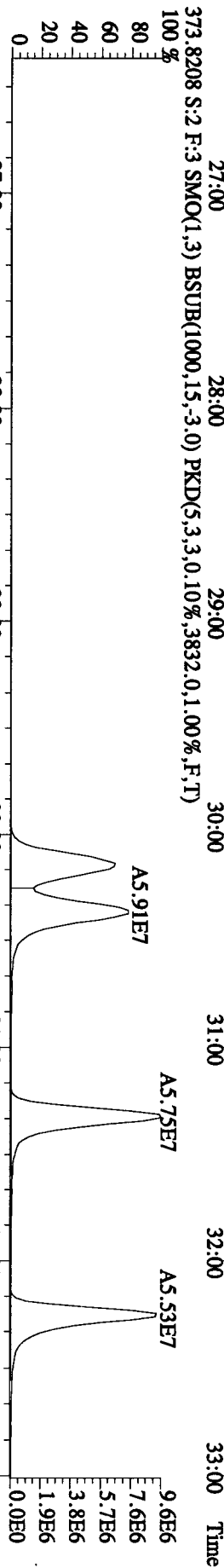


Sample#2 Text:ST0426B :CS3 IODXN111 Exp:DIOXIN

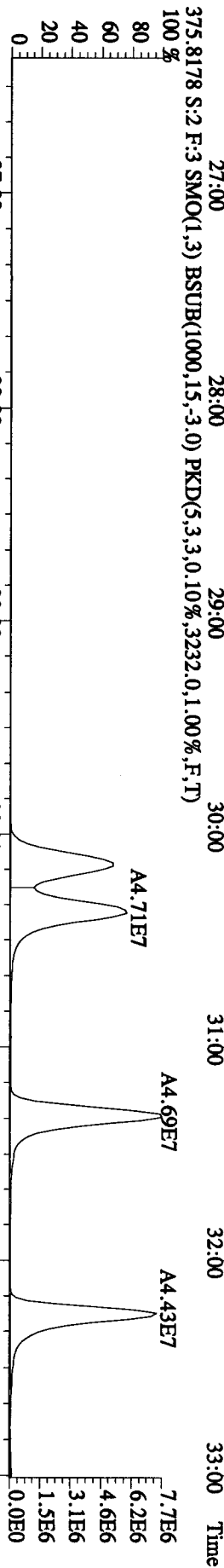
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



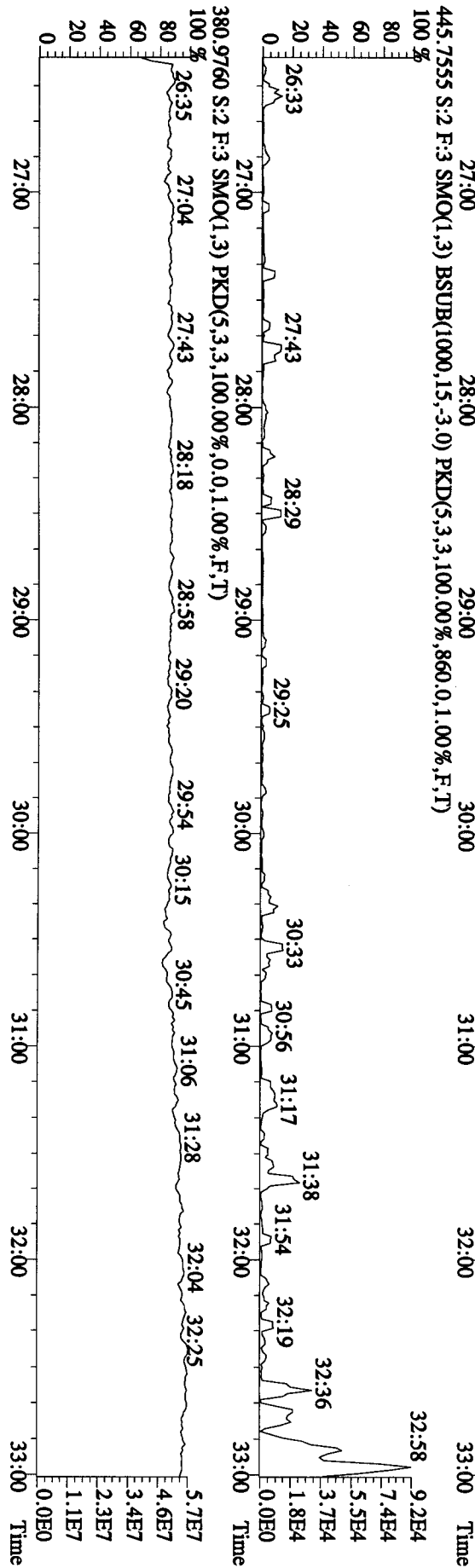
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3832,0,1.00%,F,T)



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)

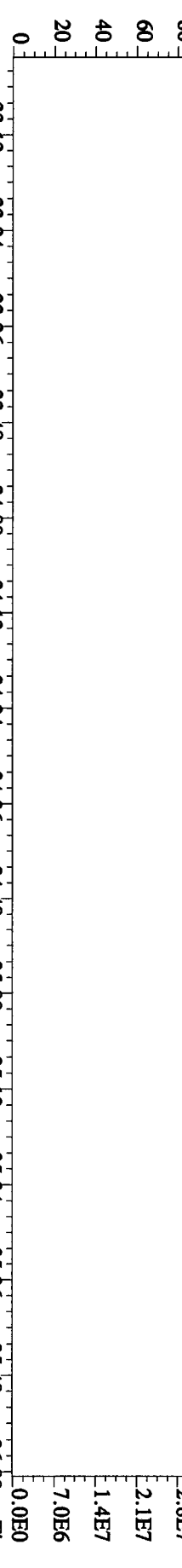


File:26AP10AID5 #1-210 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE

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

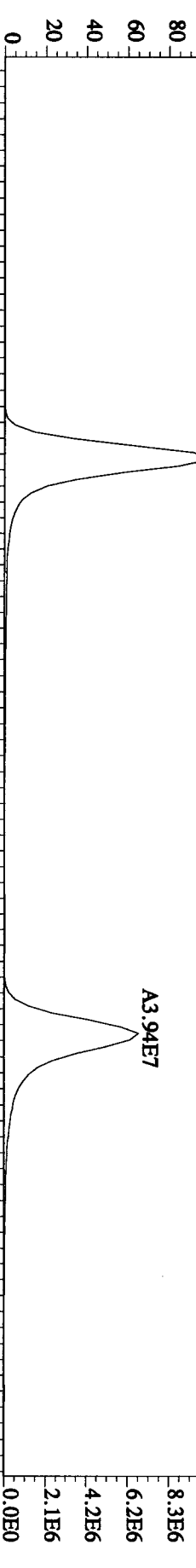
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 33:14 33:31 33:48 34:07 34:20 34:42 35:06 35:20 35:41 35:50



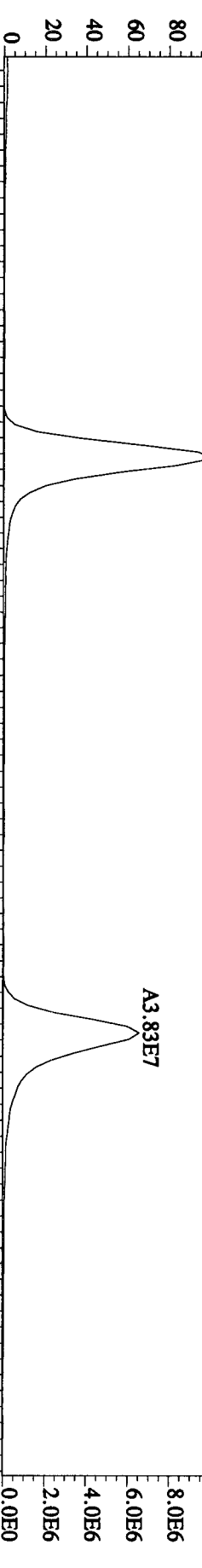
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8364,0,1.00%,F,T)

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



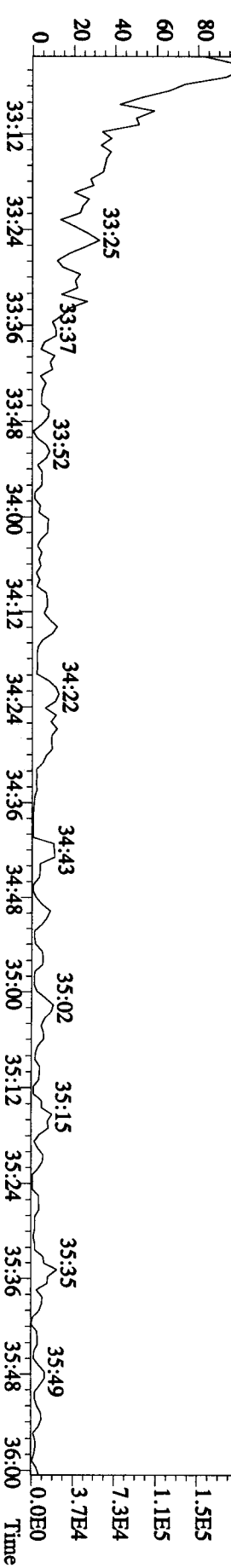
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,17572,0,1.00%,F,T)

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



479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,14952,0,1.00%,F,T)

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

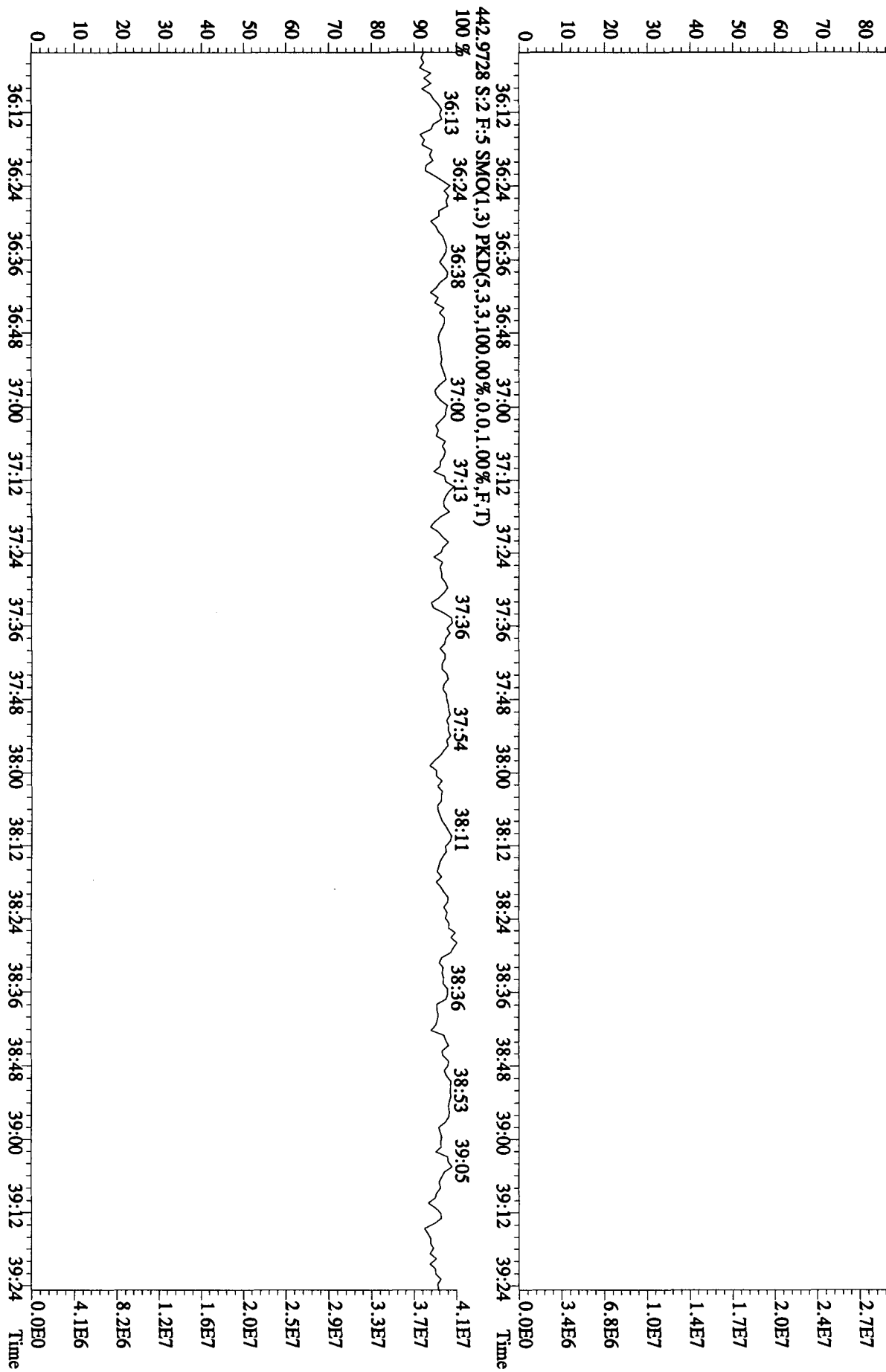


File:26AP10A1D5 #1-244 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE

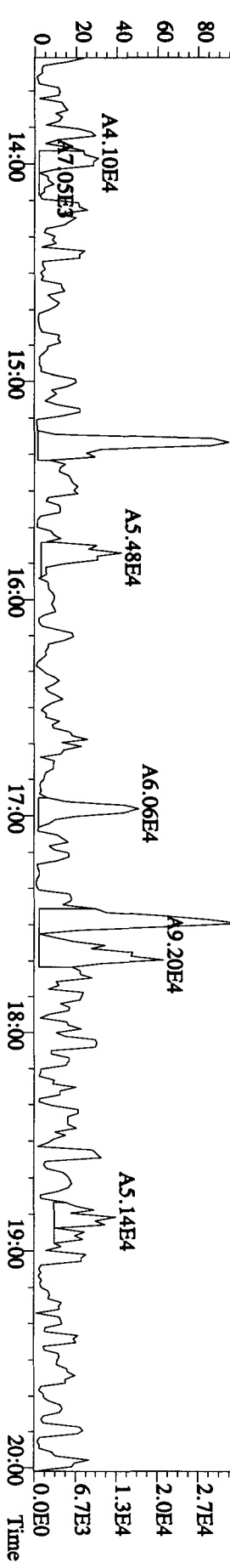
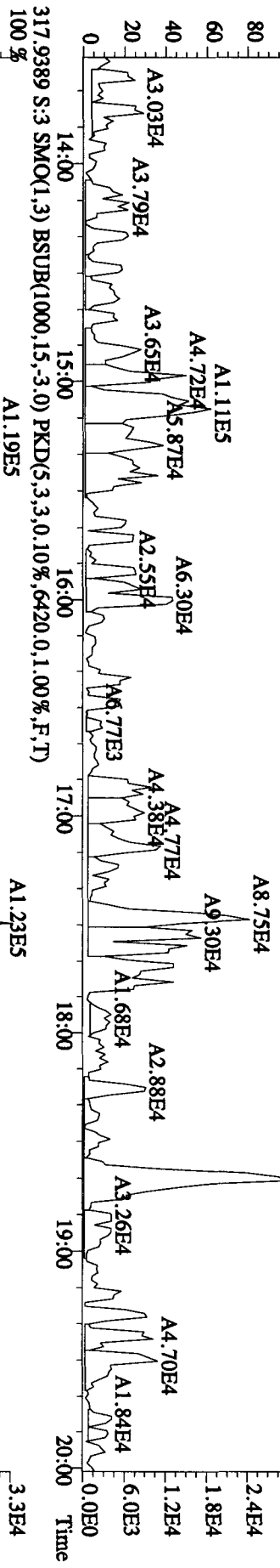
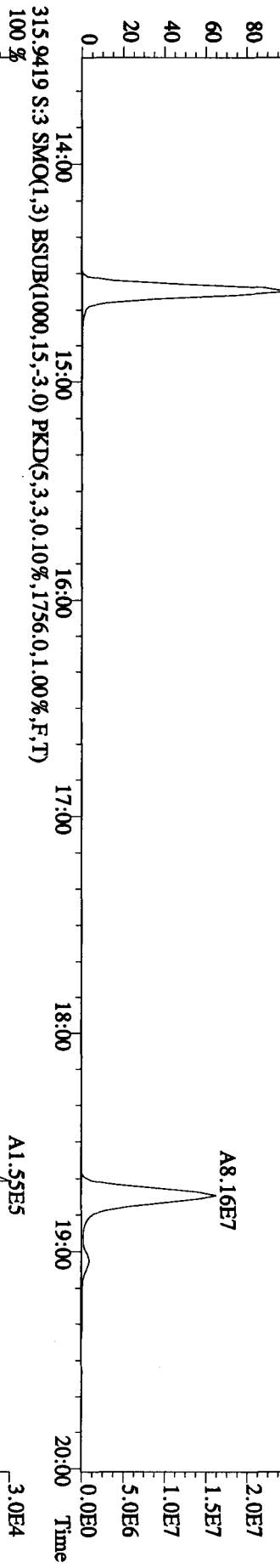
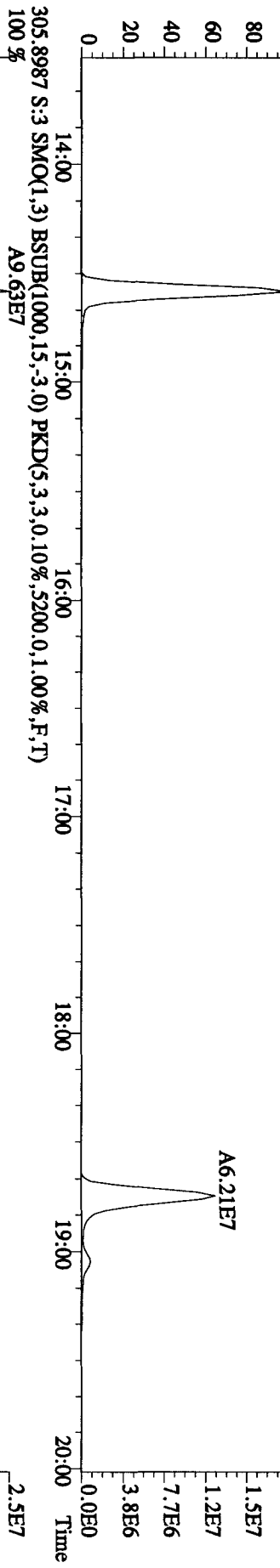
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

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

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

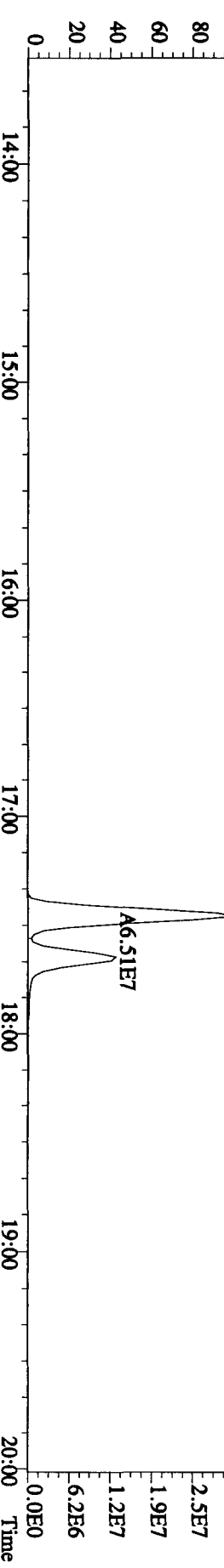
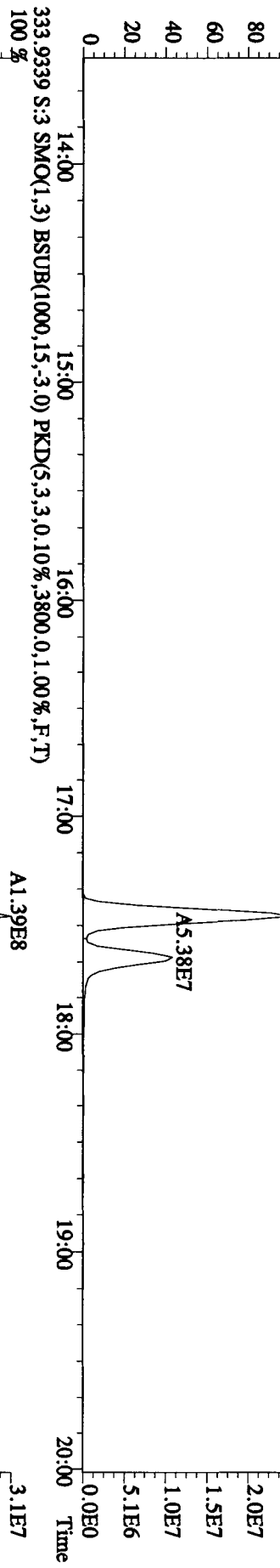
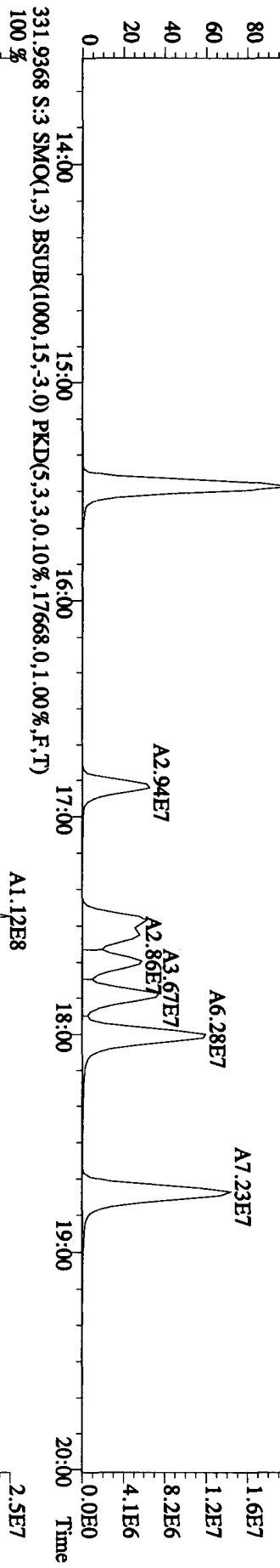
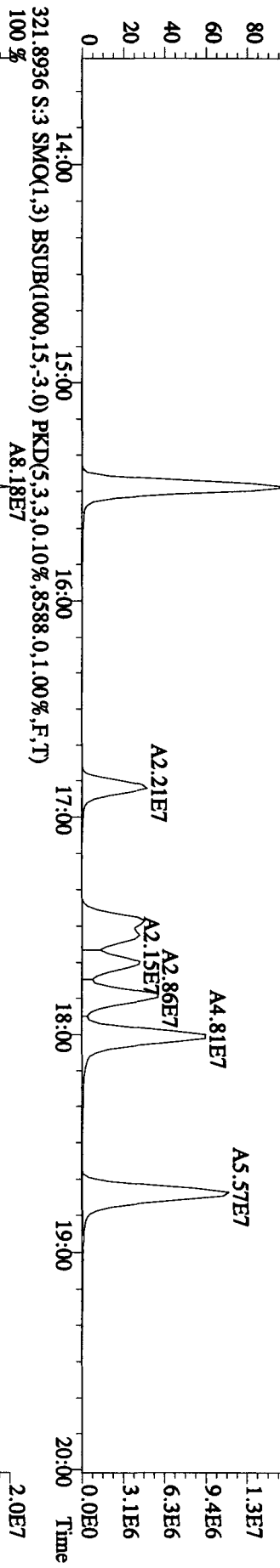


File: 26AP10A1D5 #1-385 Acq: 26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text: CP0426A .DB-5 CPSM 3732-05 Exp: DIOXIN
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6252,0,1,00%,F,T)
 100% A7.27E7

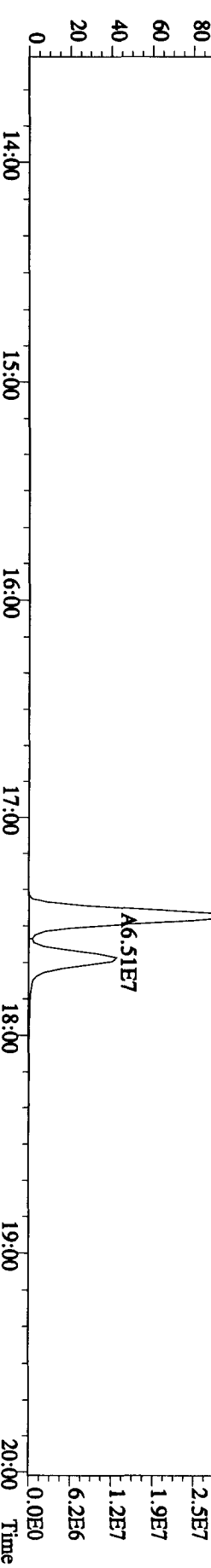
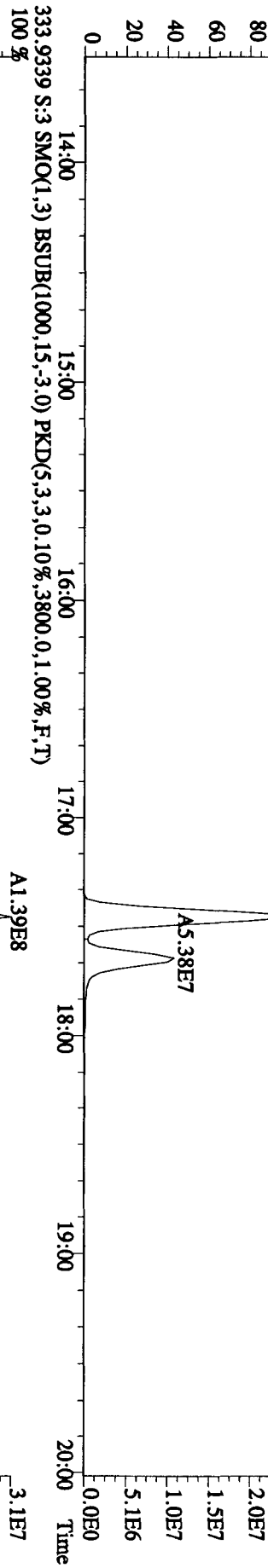
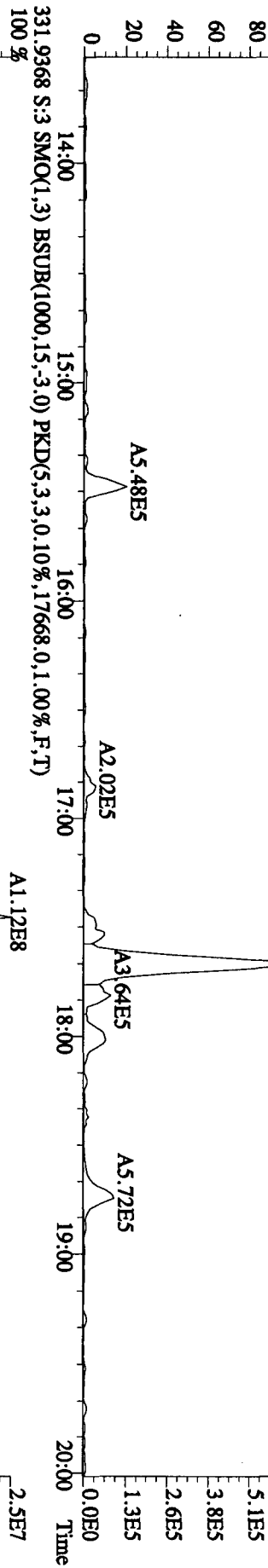
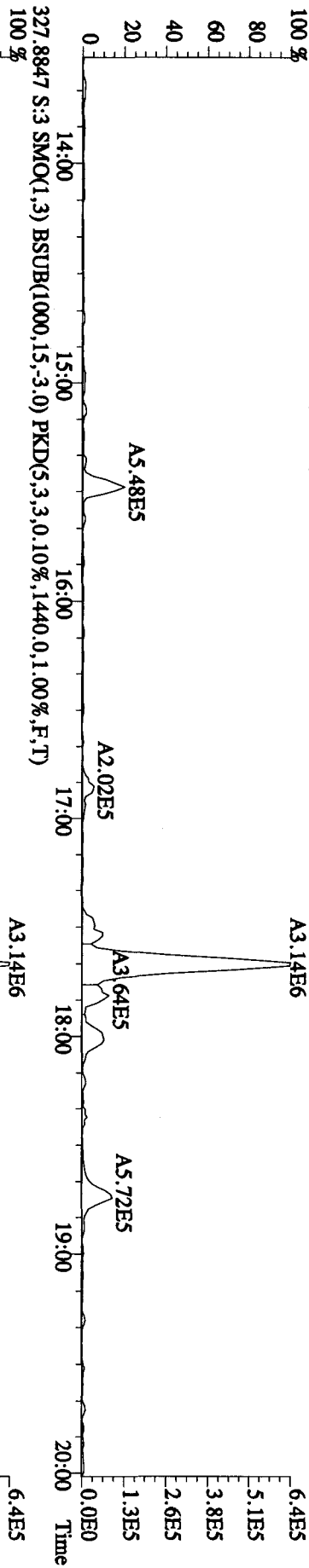


File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10976,0,1,00%,F,T)
100% A6.21E7



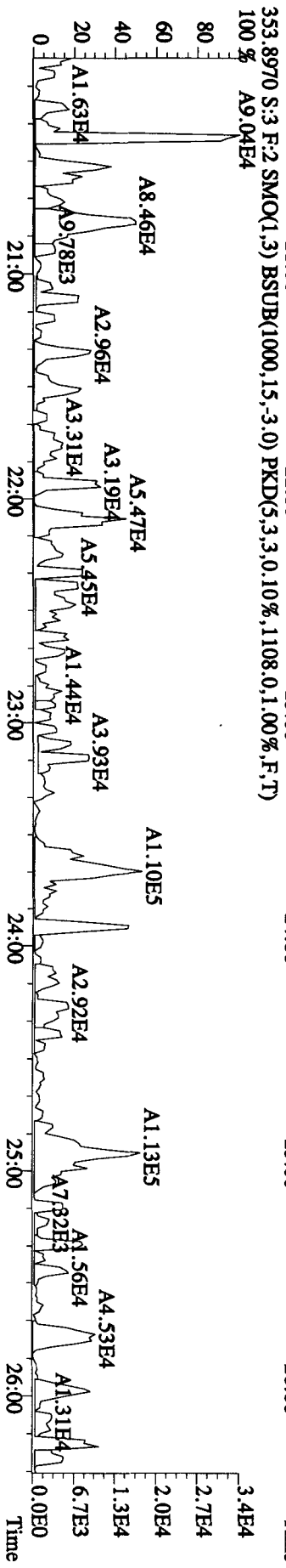
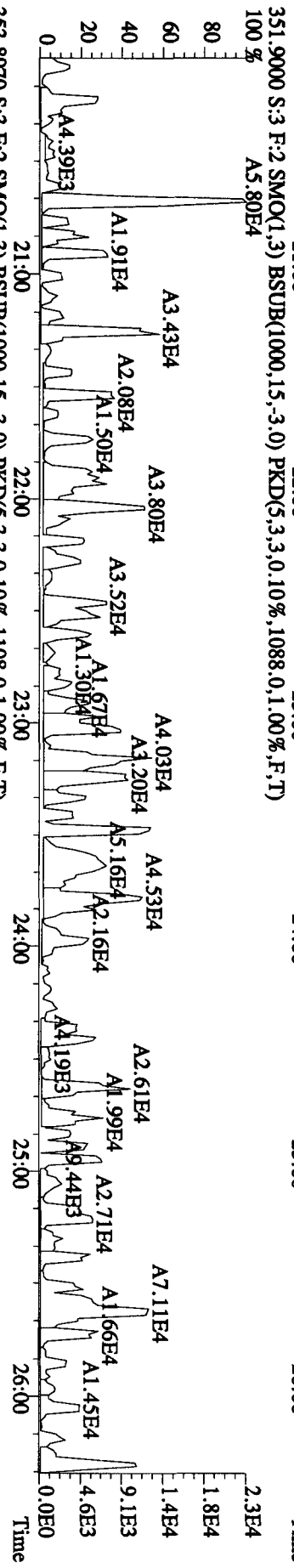
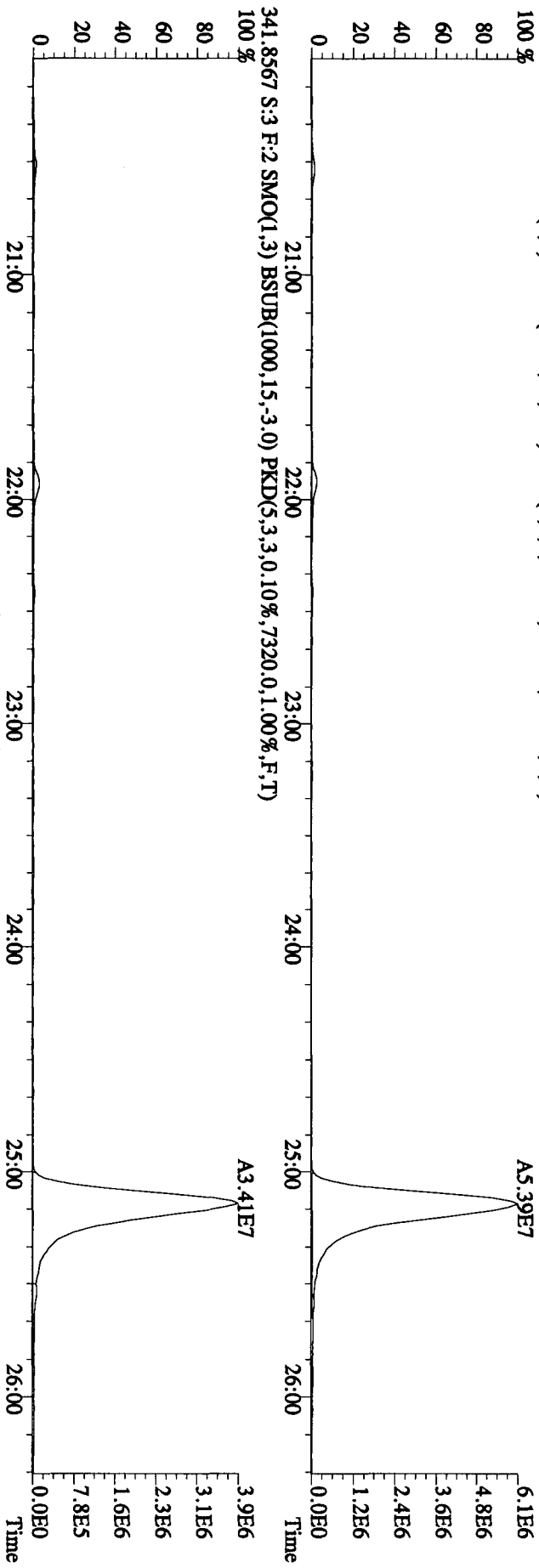
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPM 3732-05 Exp:DIOXIN
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1440.0,1.00%,F,T)
 100 %



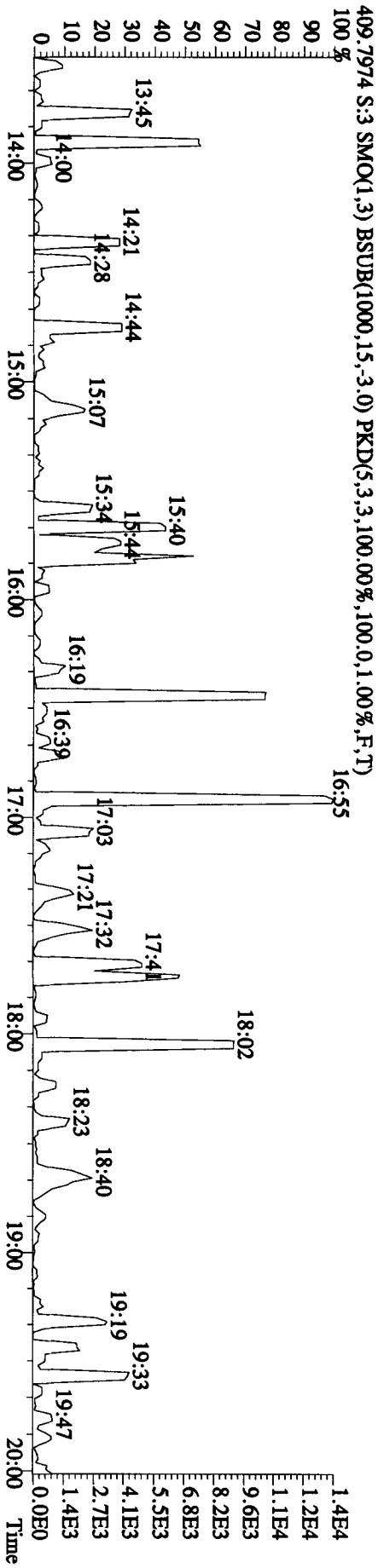
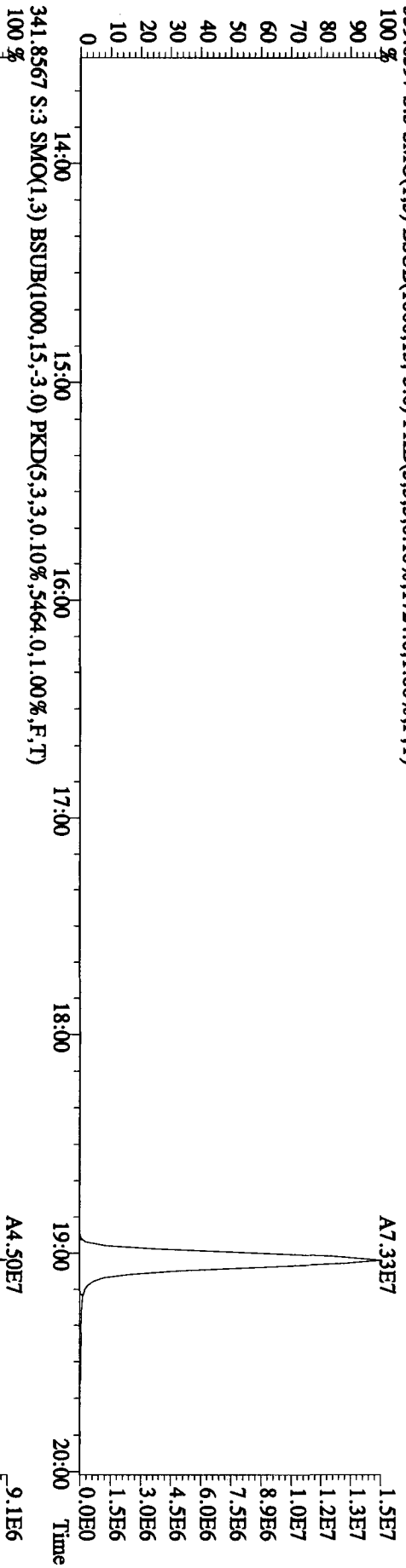
File: 26AP10A1D5 #1-444 Acq: 26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

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

339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7852,0.1,0.0%,F,T)



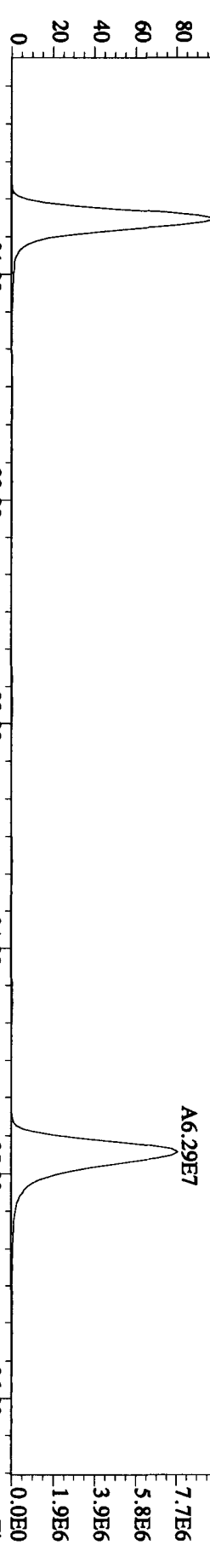
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 339.8597 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1724.0,1.00%,F,T) 100%



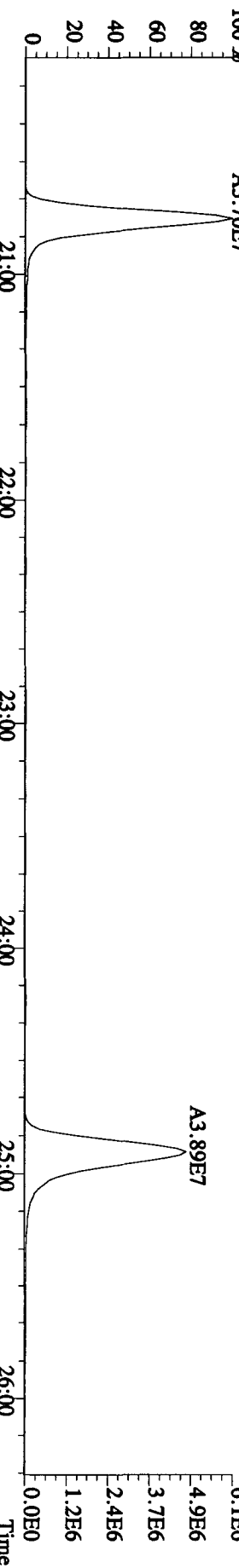
File:26AP10A1D5 #1-444 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE

Sample#3 Text:CP0426A :DB-5 CP5M 3732-05 Exp:DIOXIN

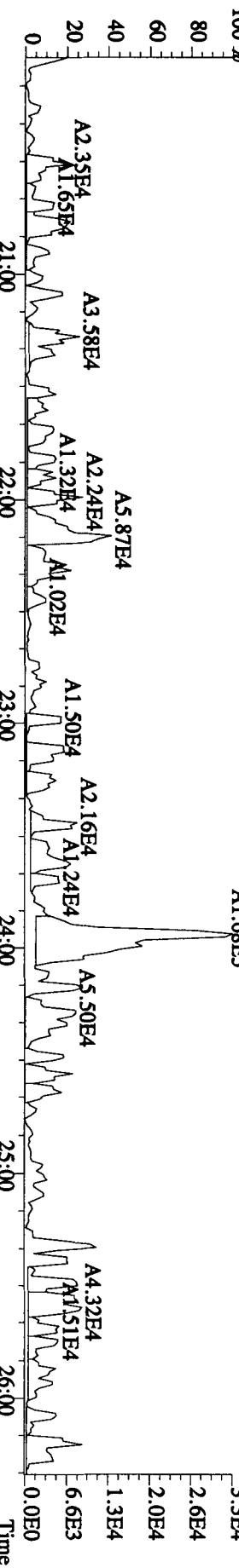
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10352,0,1.00%,F,T)



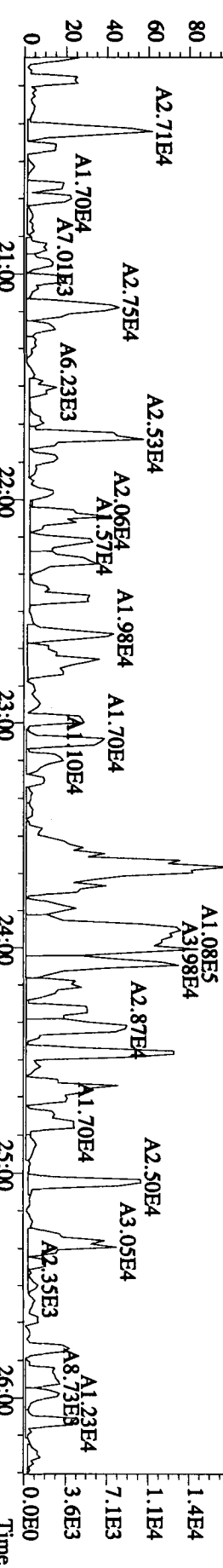
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6392,0,1.00%,F,T)



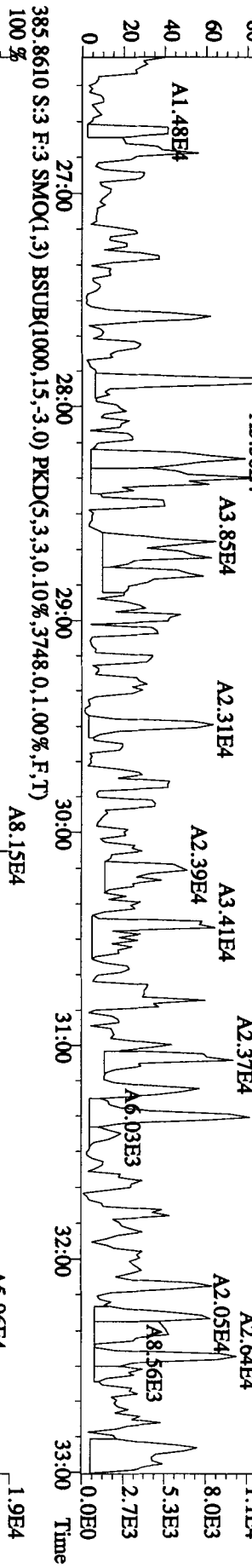
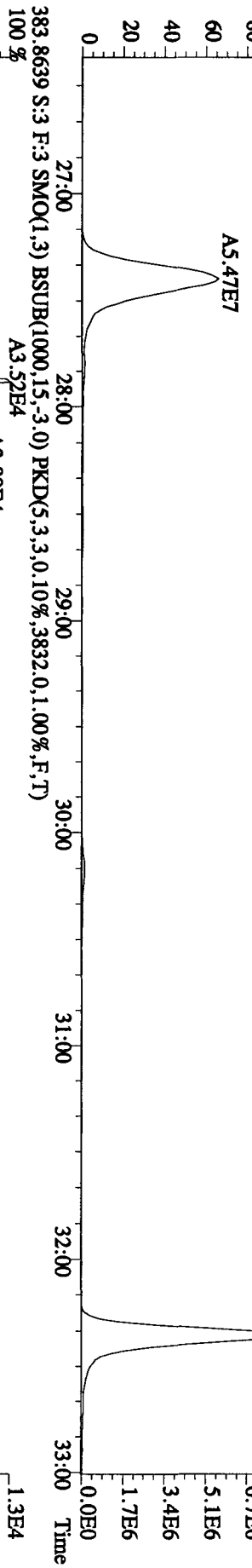
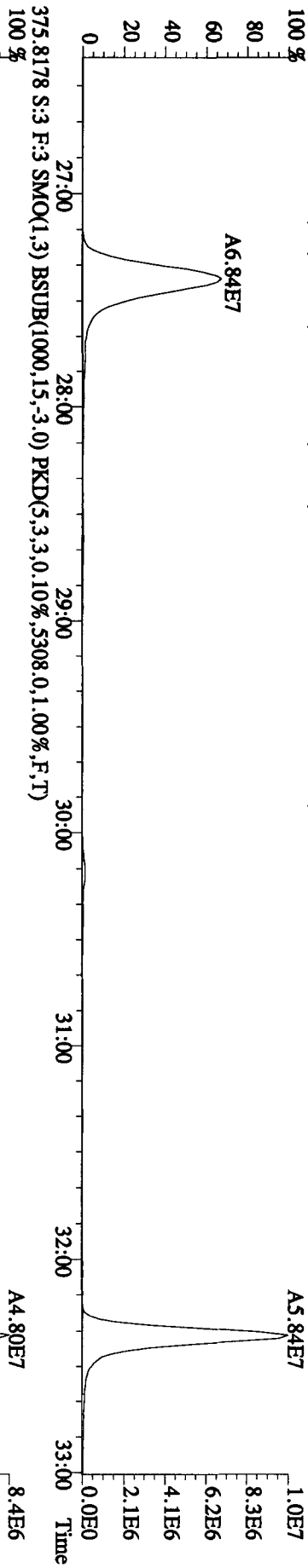
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1944,0,1.00%,F,T)



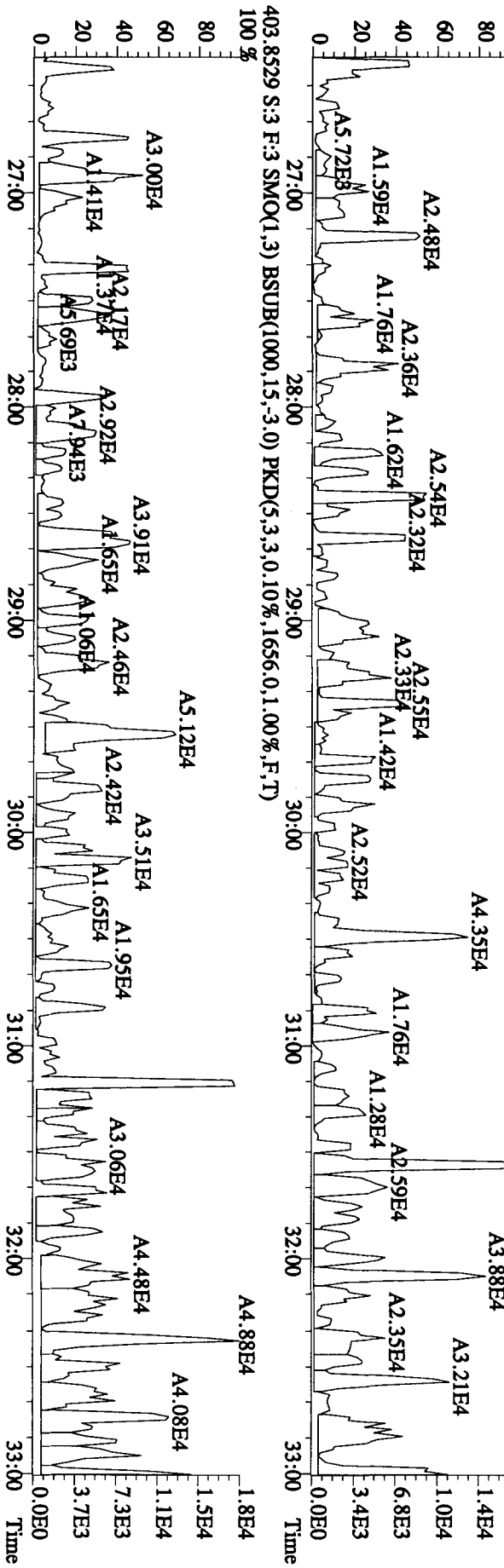
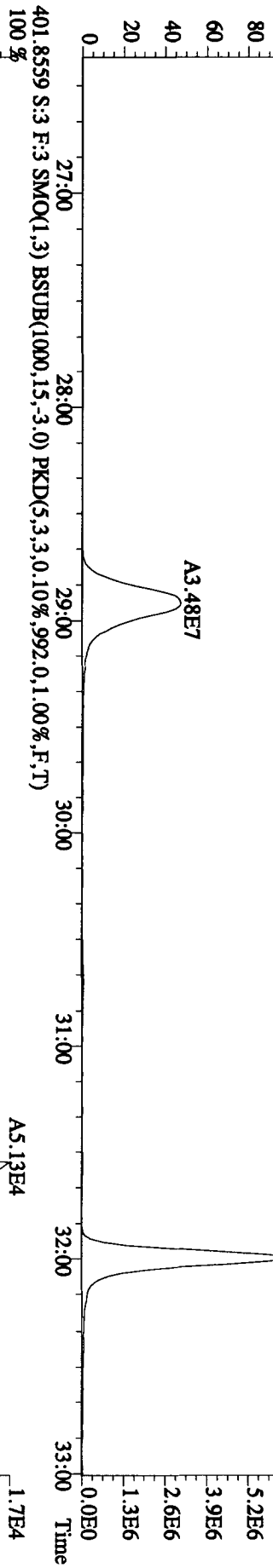
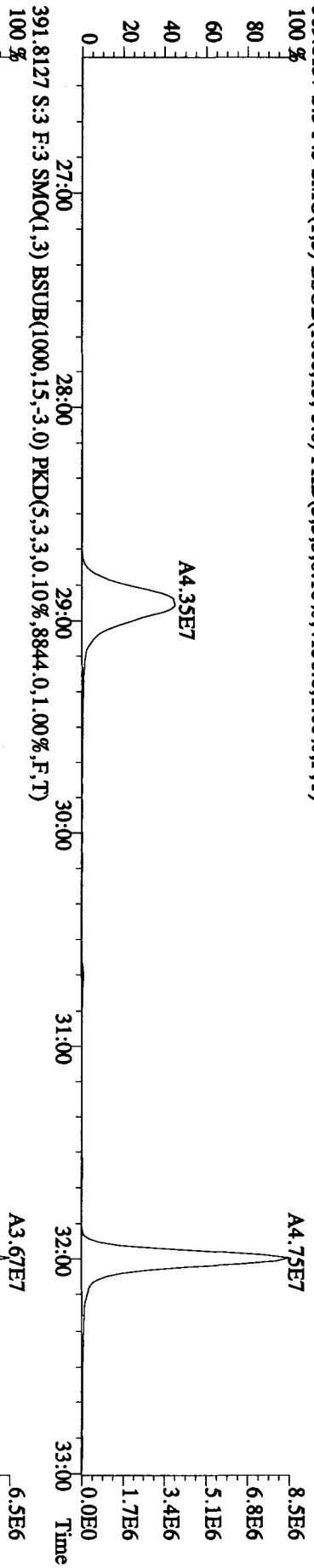
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,792,0,1.00%,F,T)



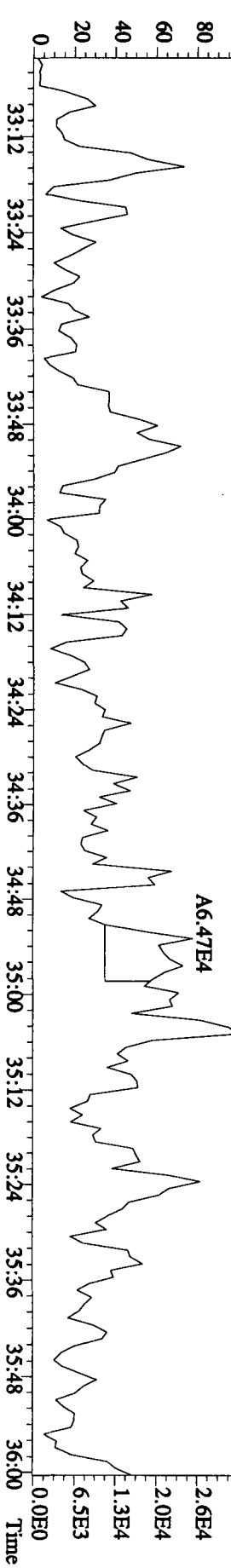
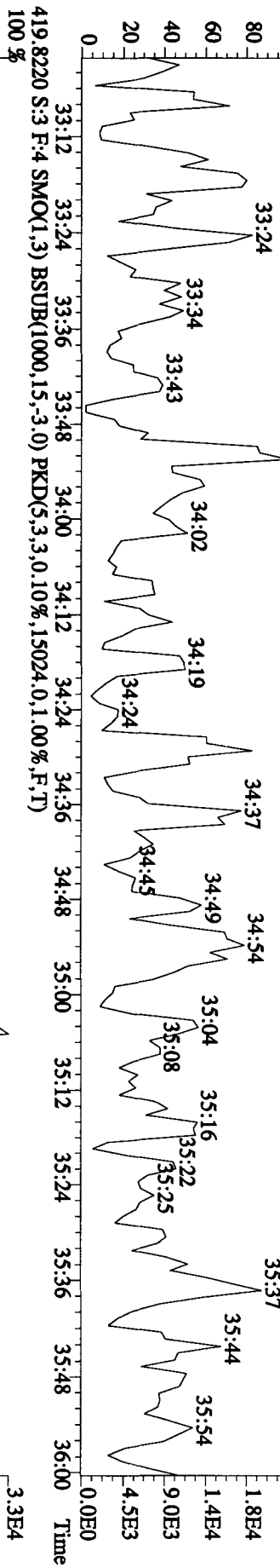
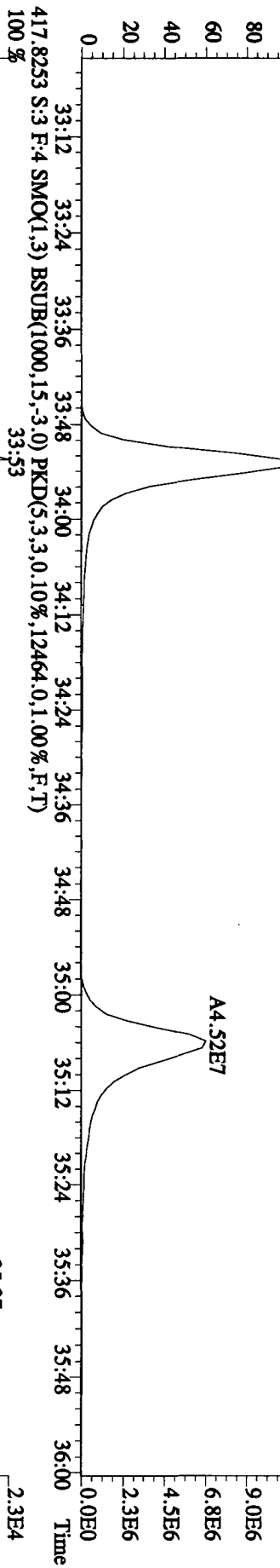
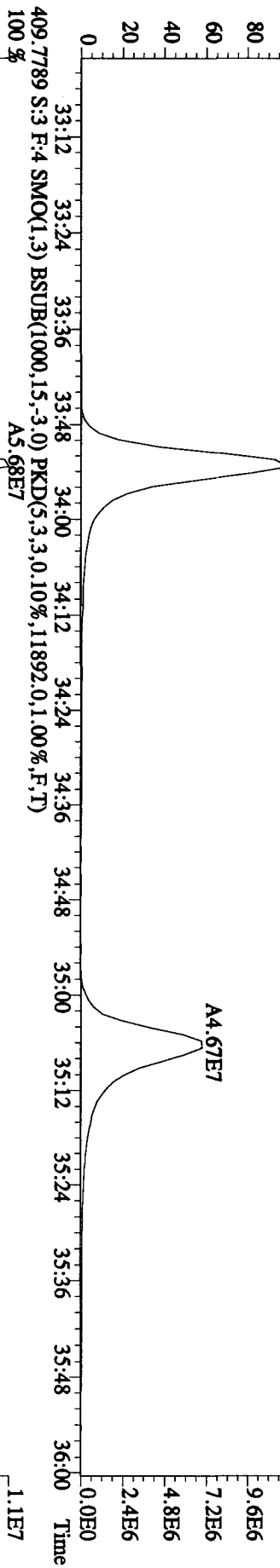
File:26AP10A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10424,0,1,00%,F,T) 100%



File:26AP10AID5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4156,0,1.00%,F,T)



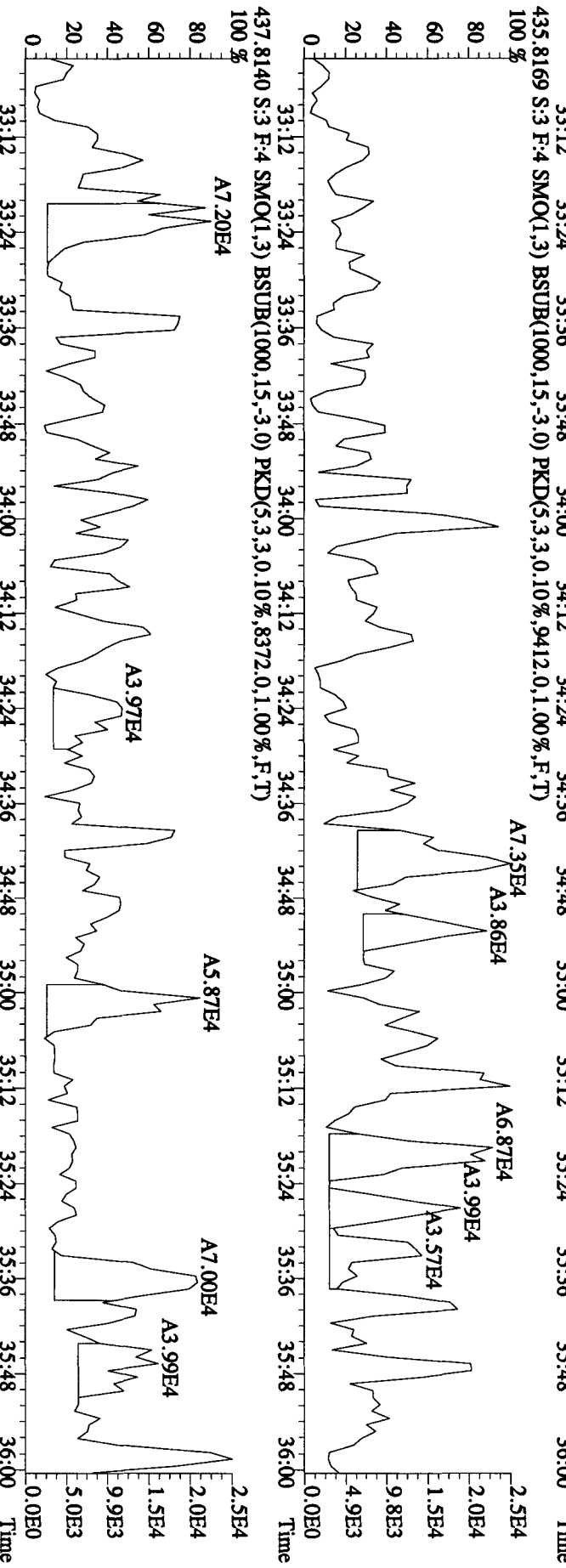
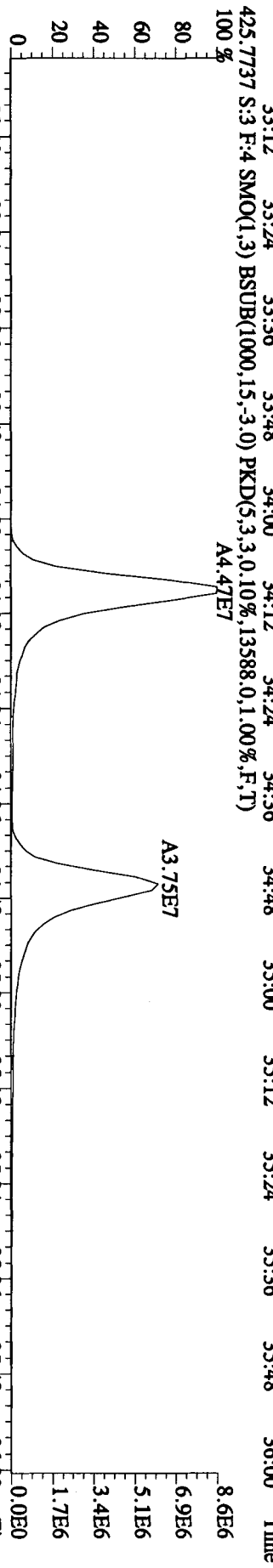
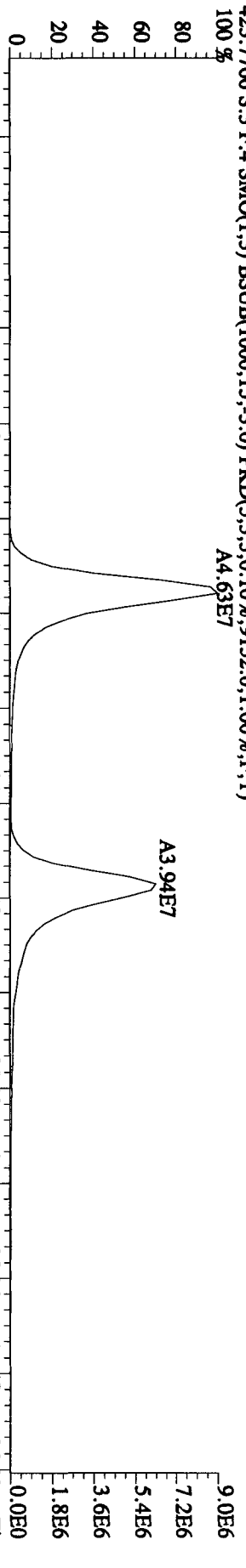
File:26AP10A1D5 #1-210 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,18596,0,1,00%,F,T)
 100%

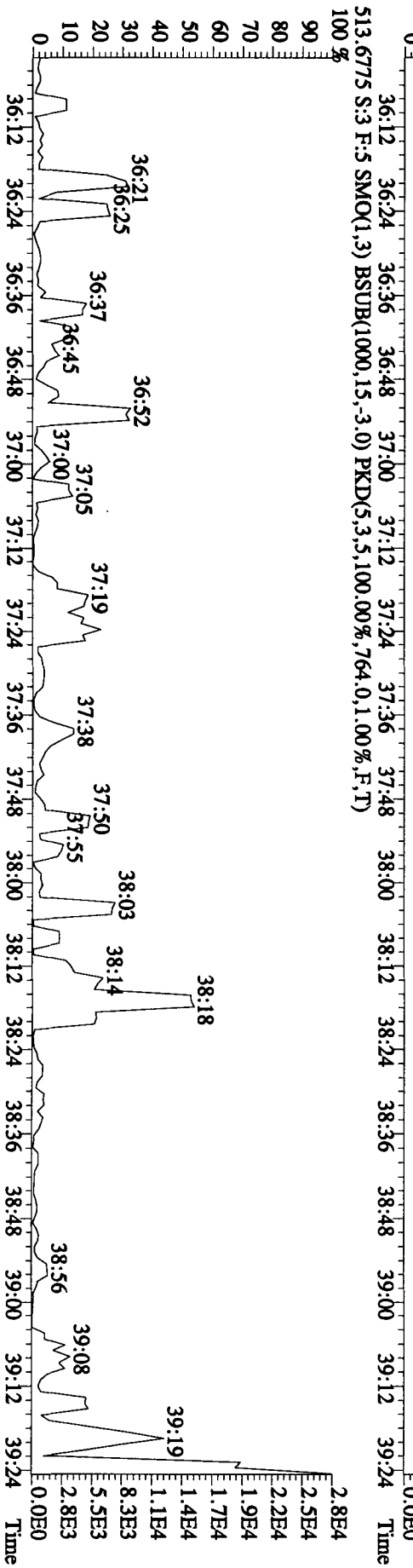
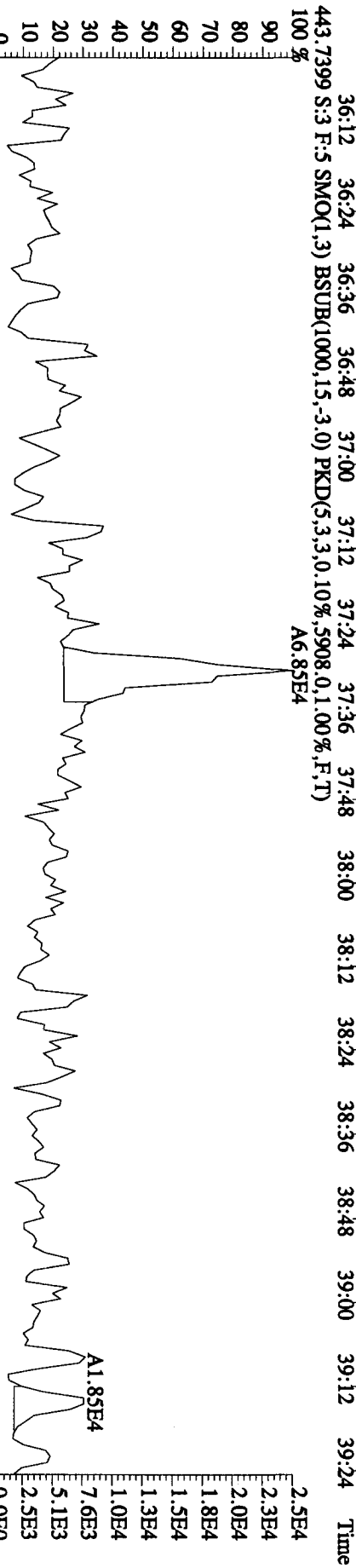
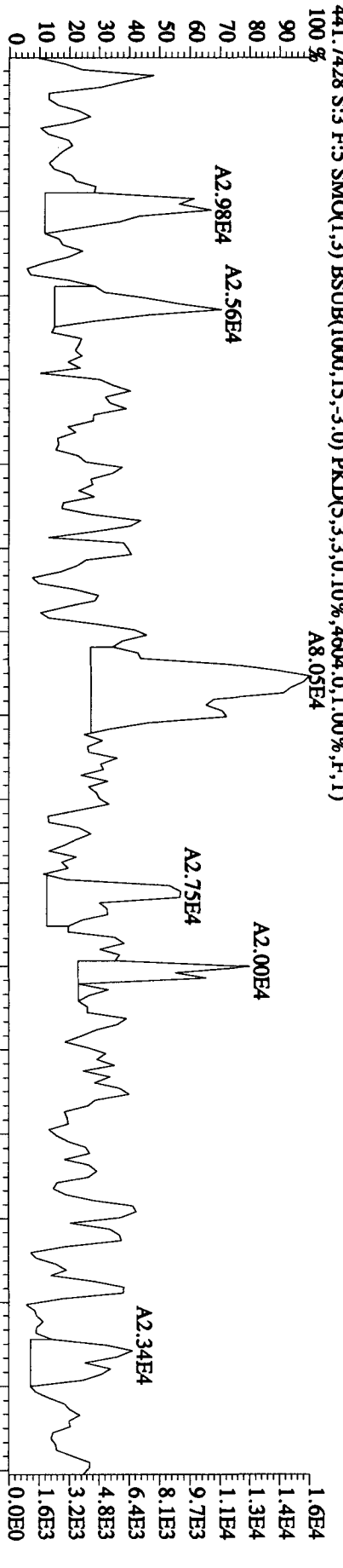


File:26AP10A1D5 #1-210 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

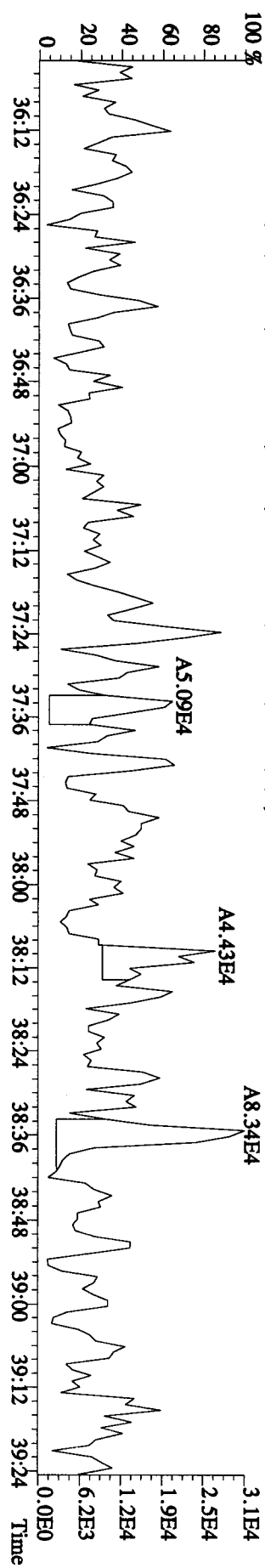
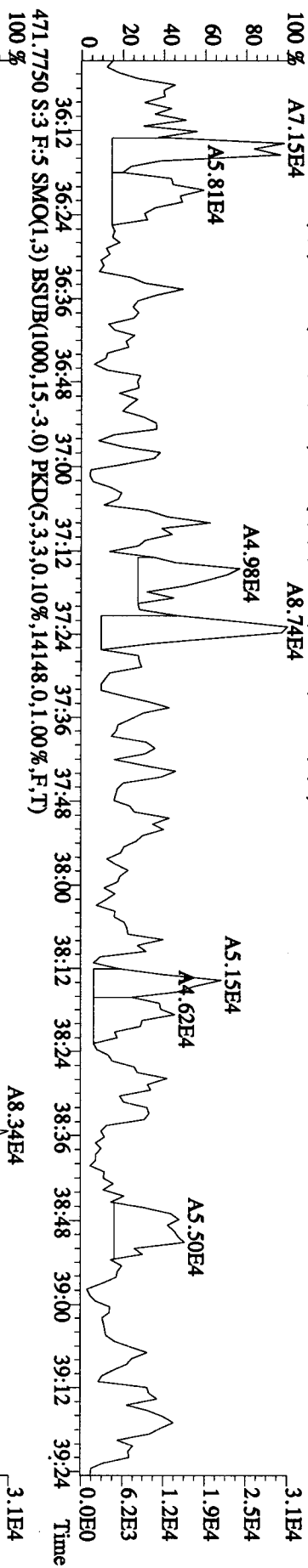
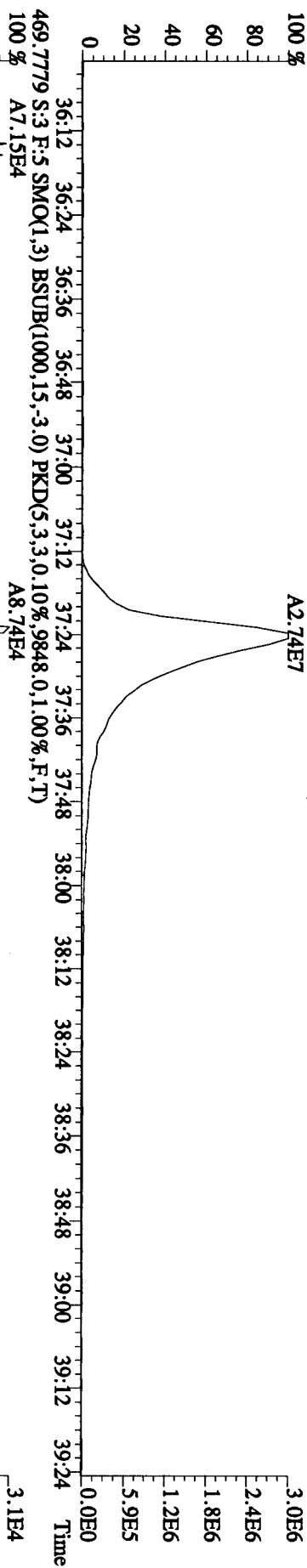
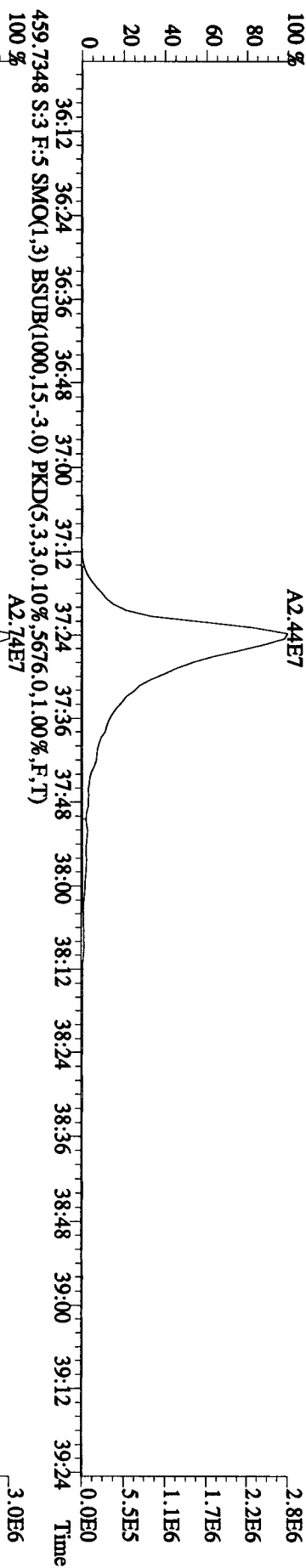
Sample#3 Text:CP0426A :DB-5 CP5M 3732-05 Exp:DIOXIN

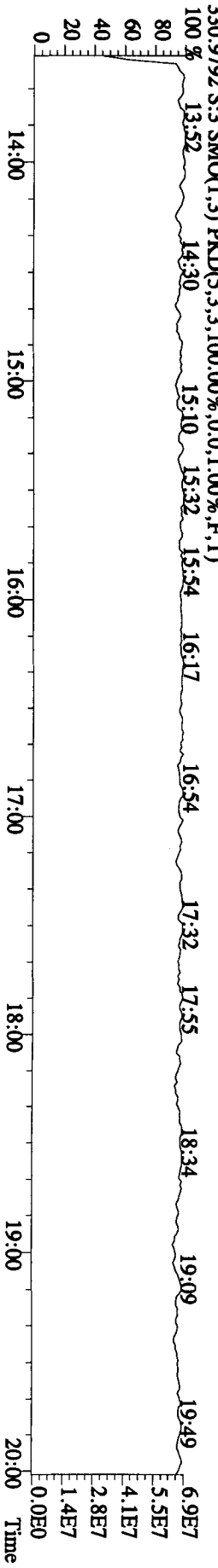
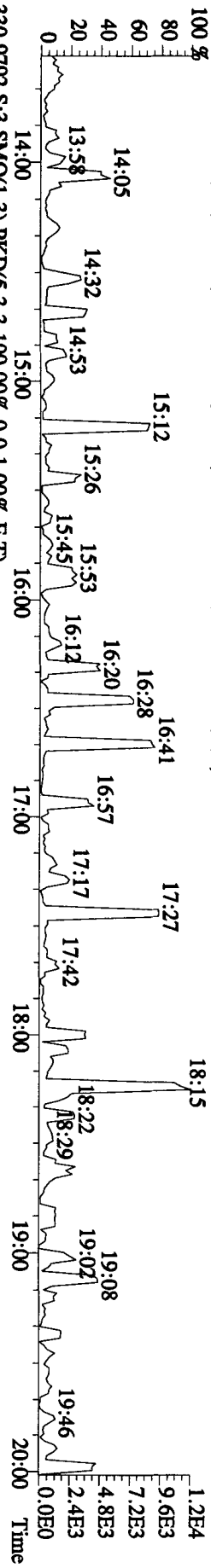
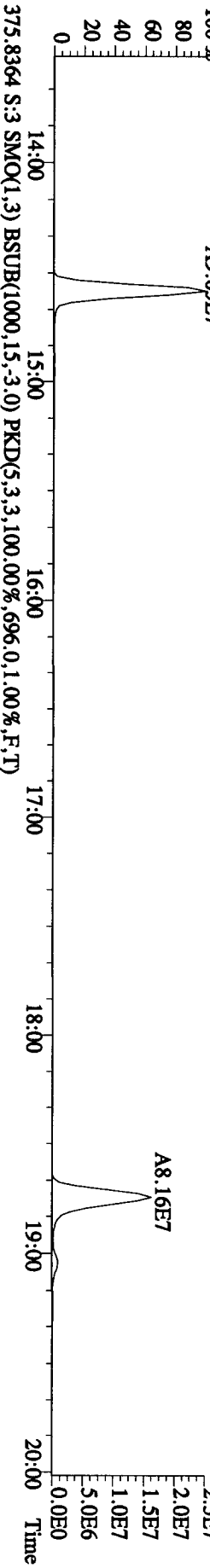
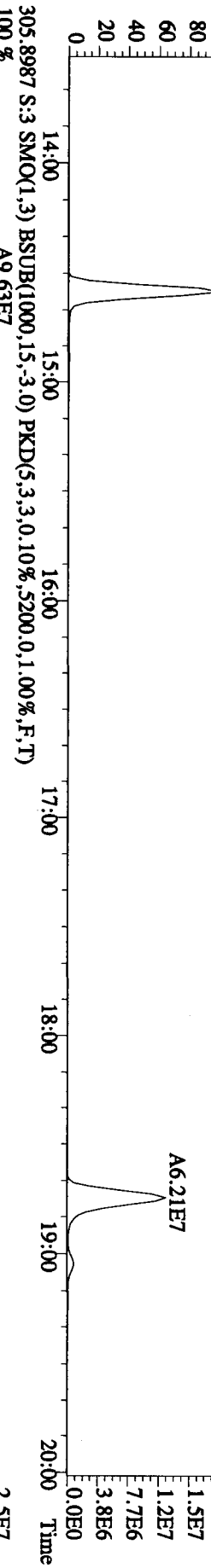
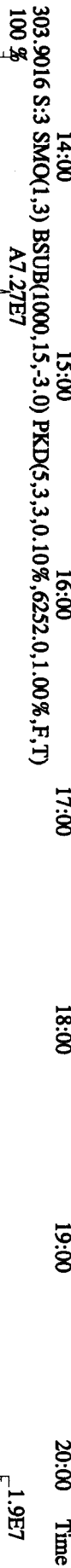
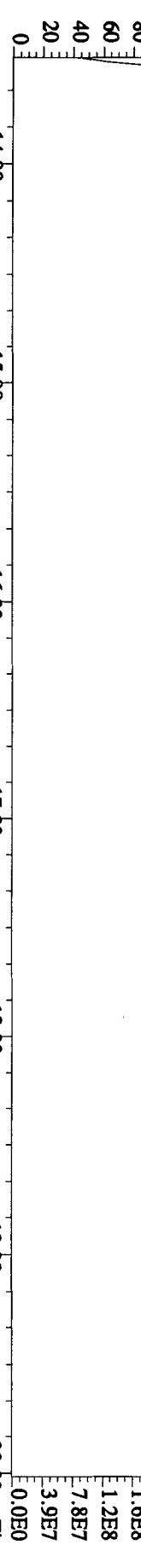
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9152.0,1.00%,F,T) 100%





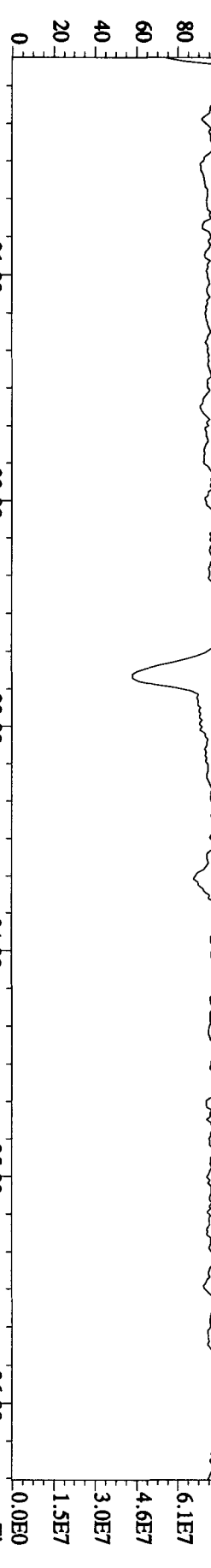
File:26ADP10A1D5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7340,0.1,00%,F,T)
 100 % A2.44E7



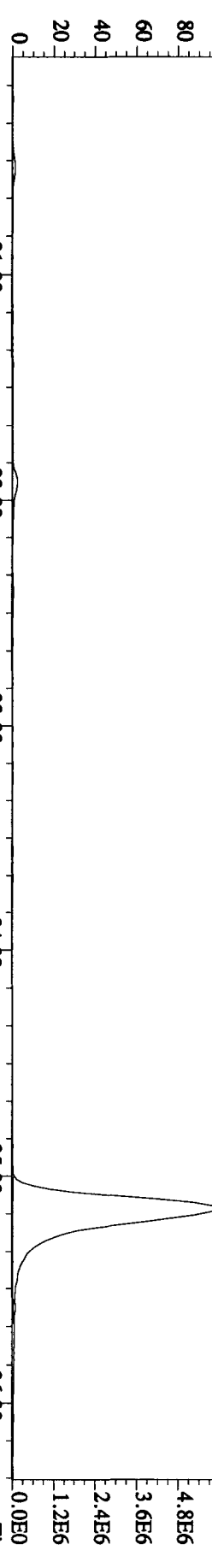


Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

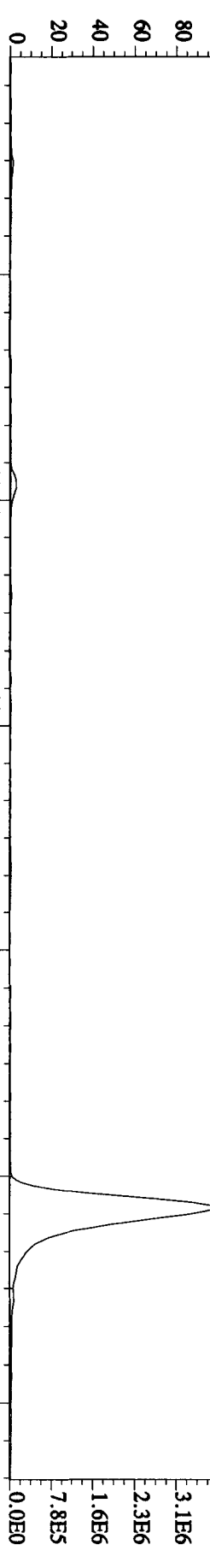
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



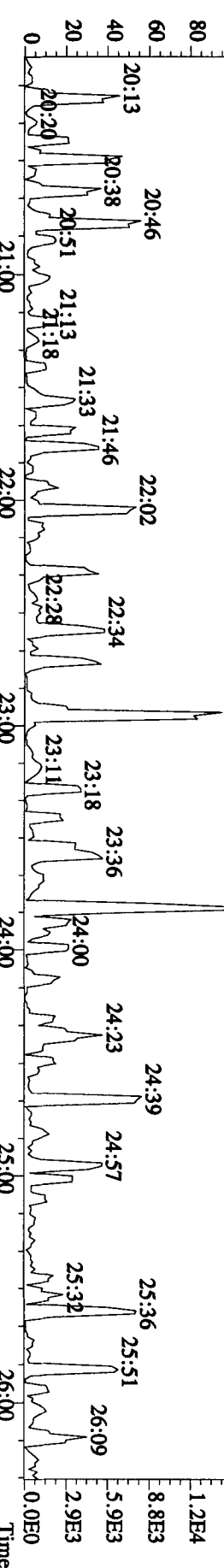
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7852.0,1.00%,F,T)



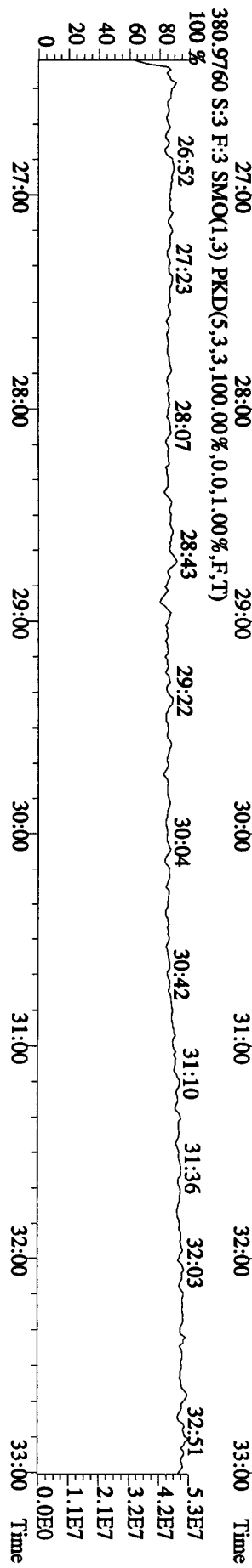
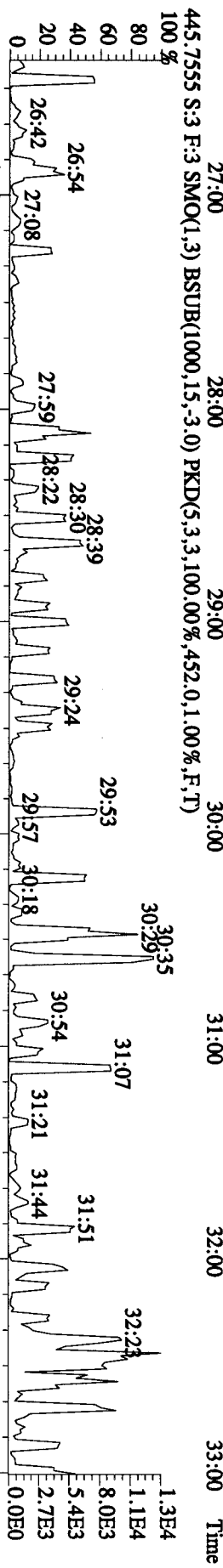
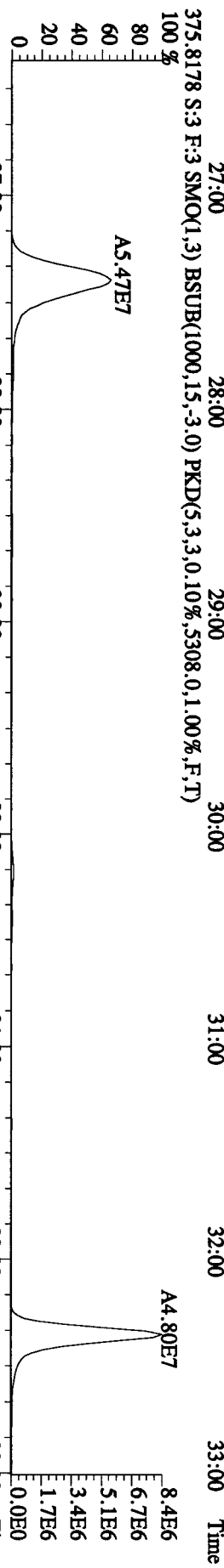
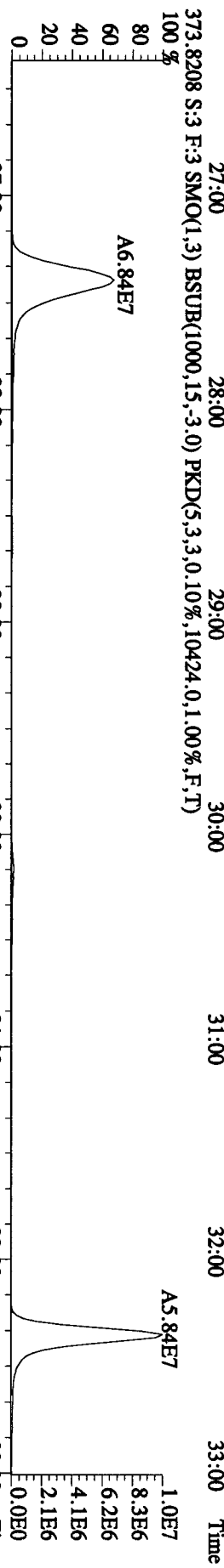
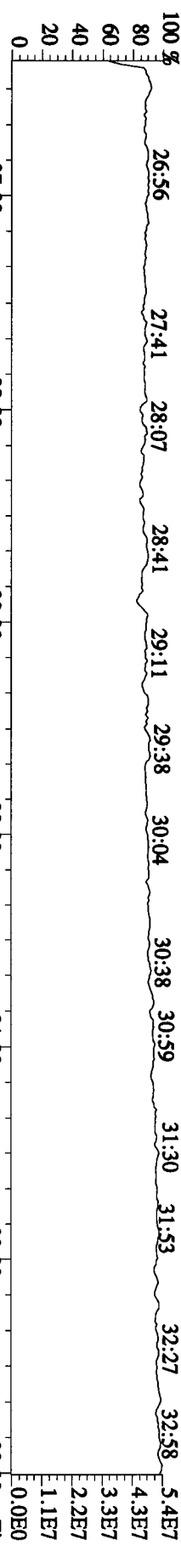
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)



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)

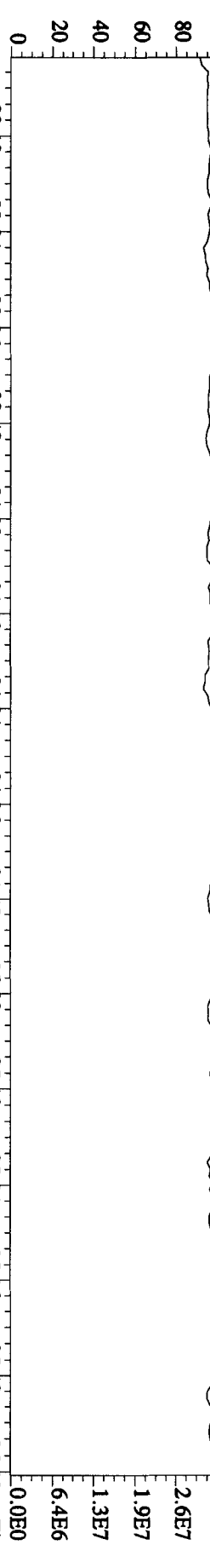


File:26ADP10A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

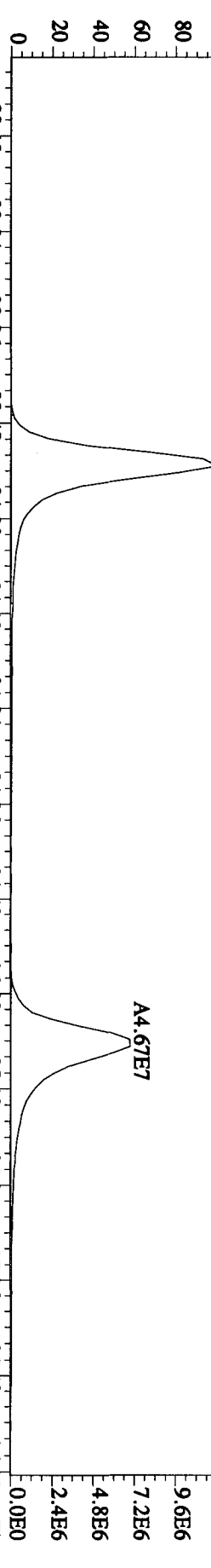


File:26AP10AID5 #1-210 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE

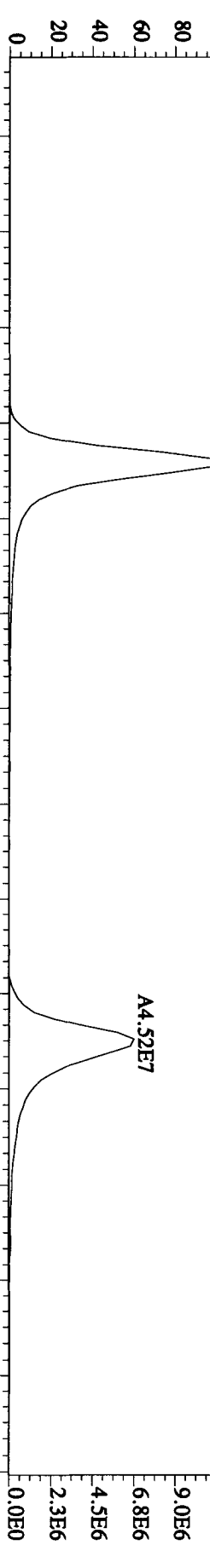
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



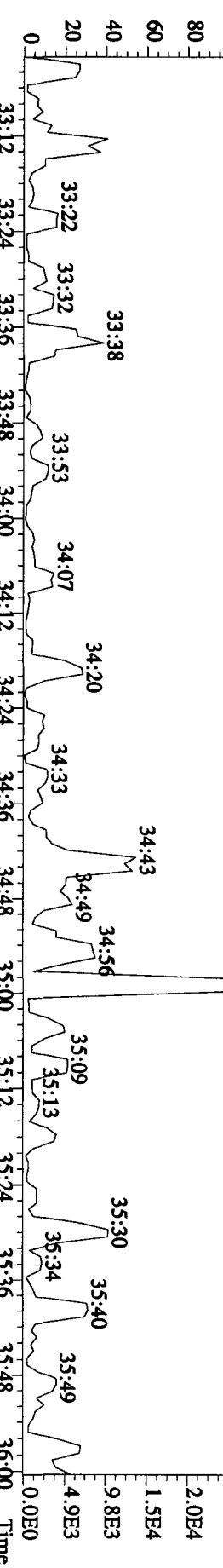
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,18596,0,1.00%,F,T)



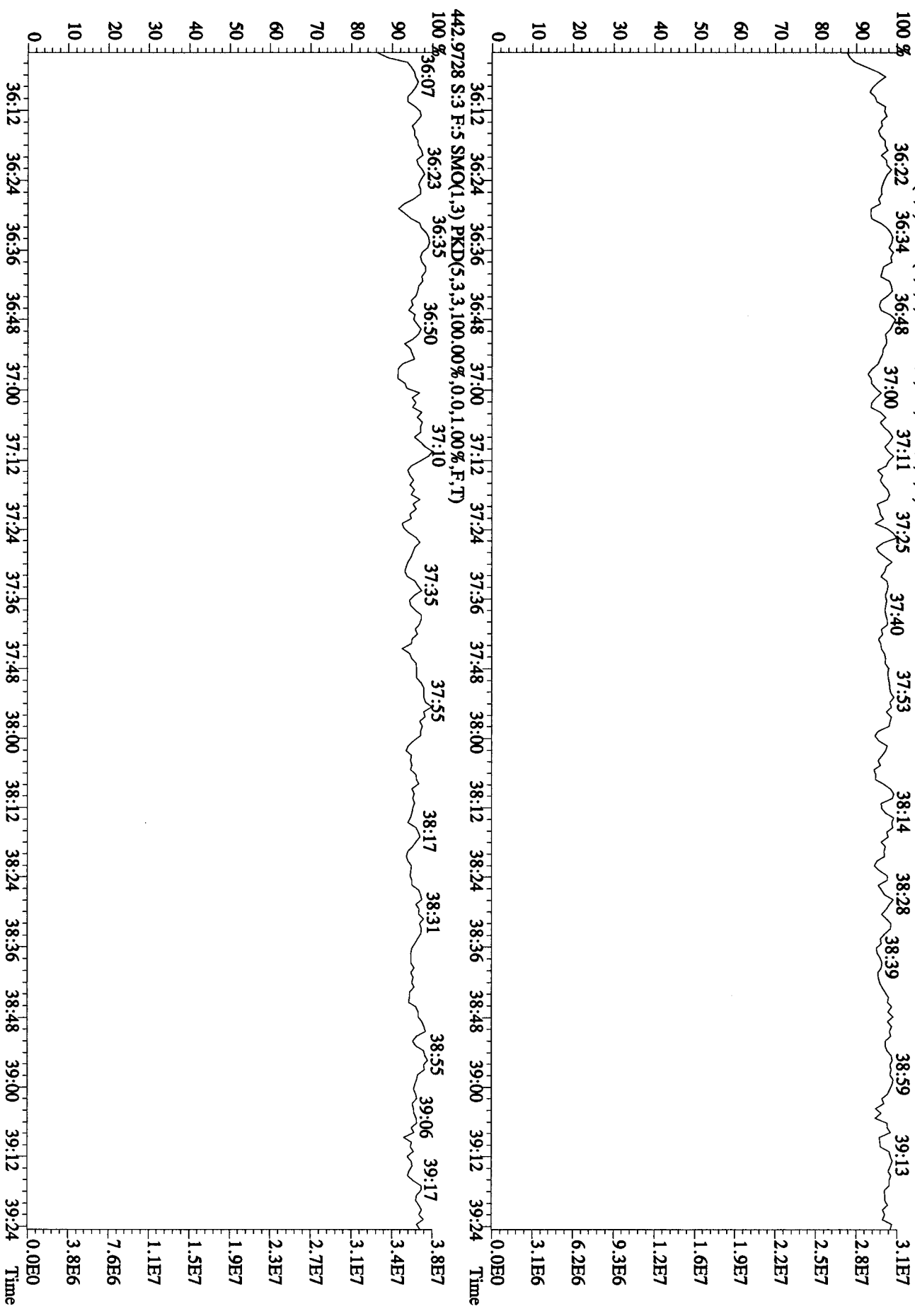
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11892,0,1.00%,F,T)

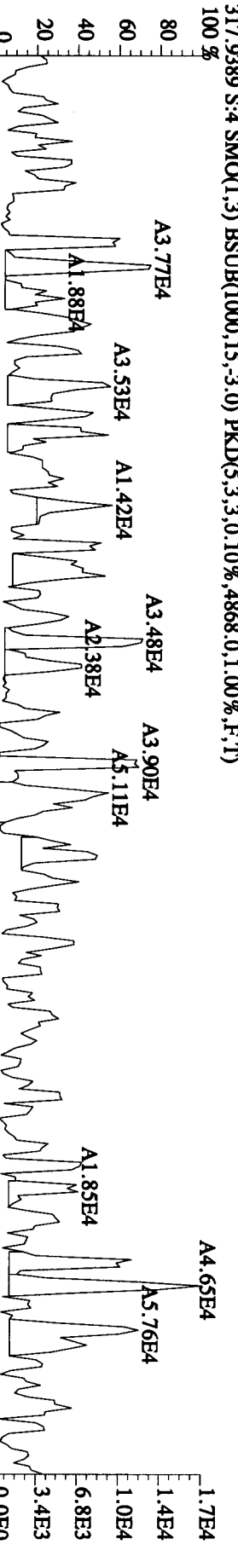
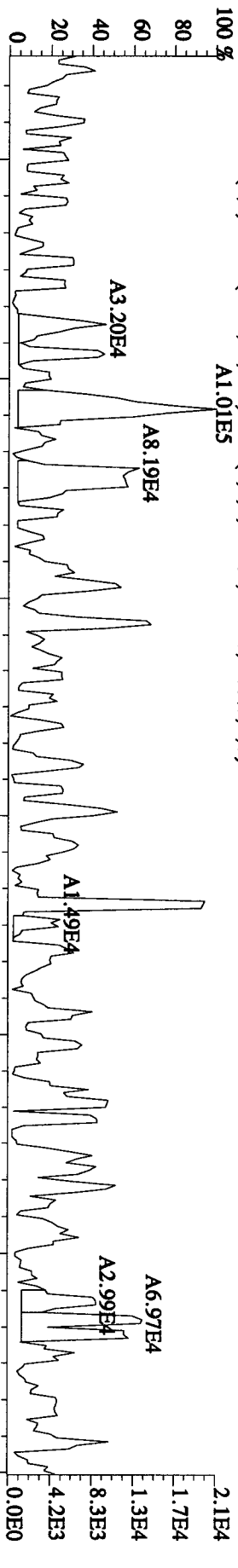
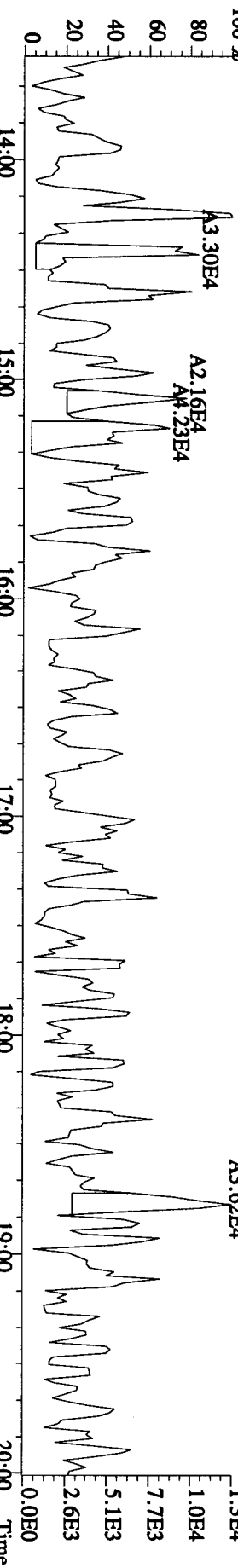
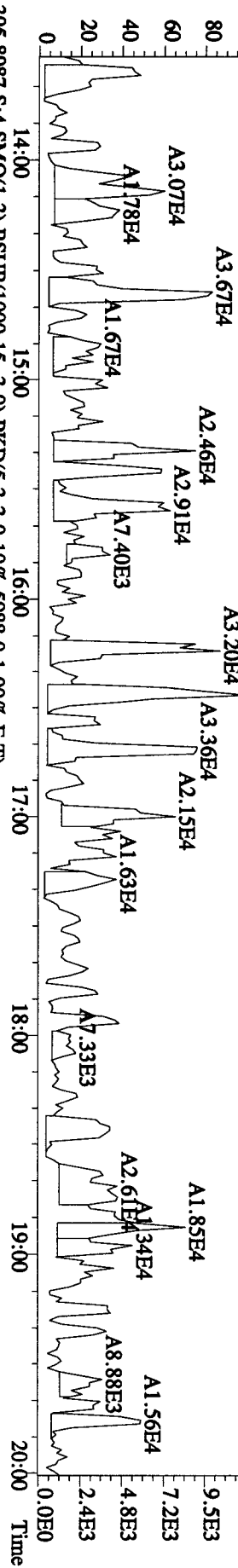


479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1548,0,1.00%,F,T)

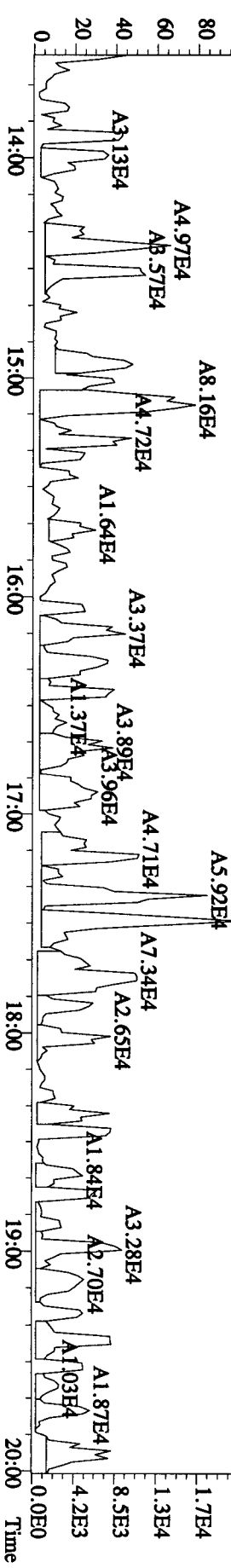
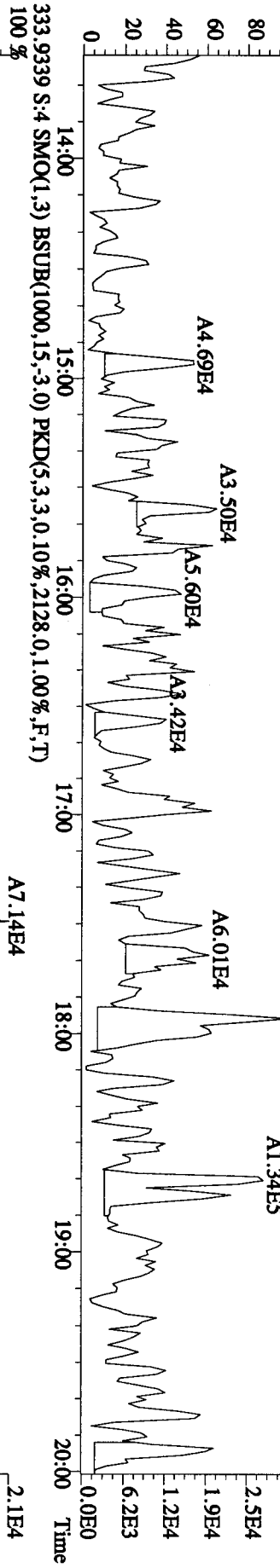
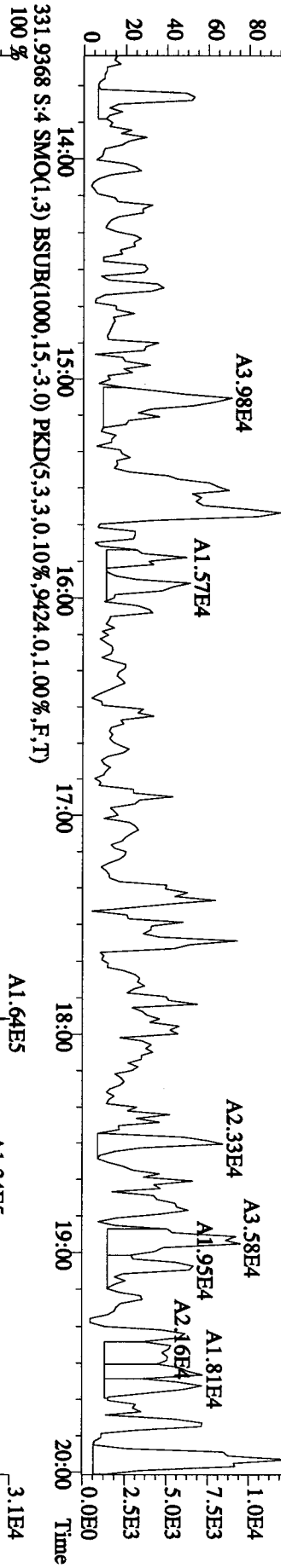
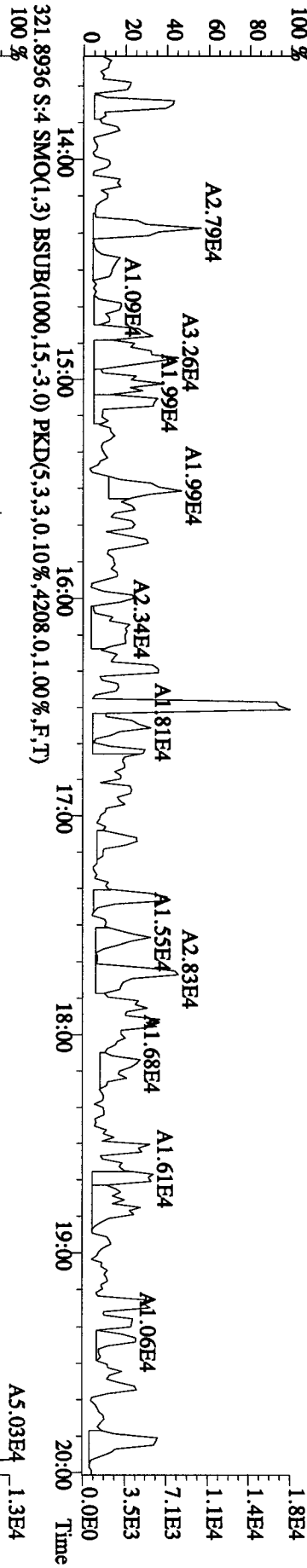


File:26ADP10A1D5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CP5M 3732-05 Exp:DIOXIN
 454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

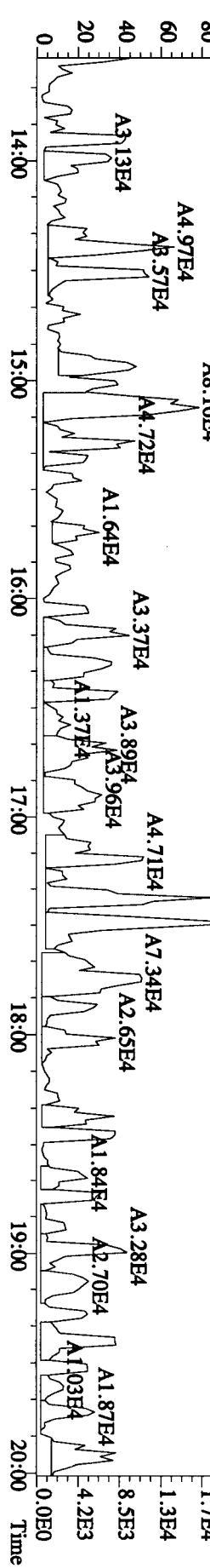
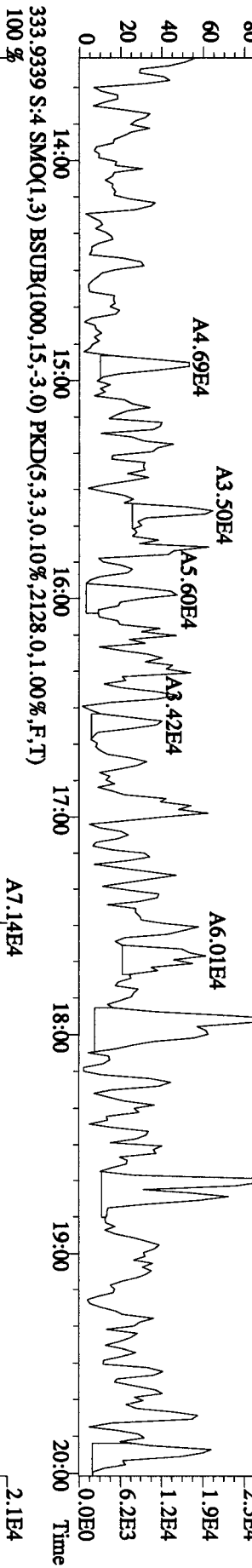
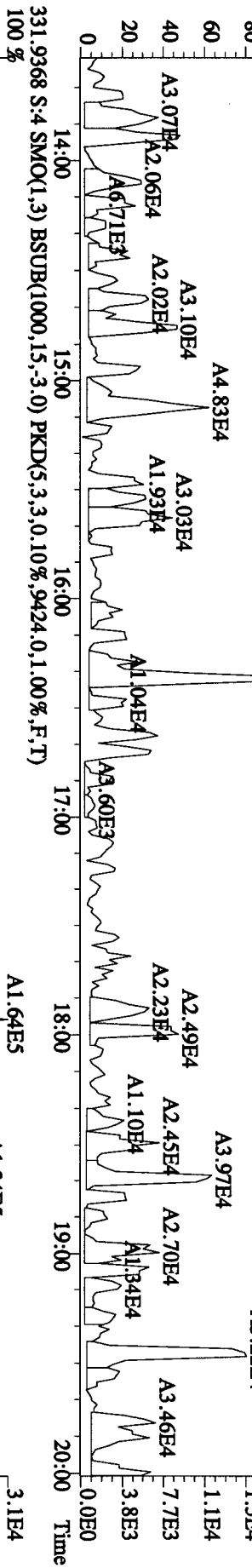
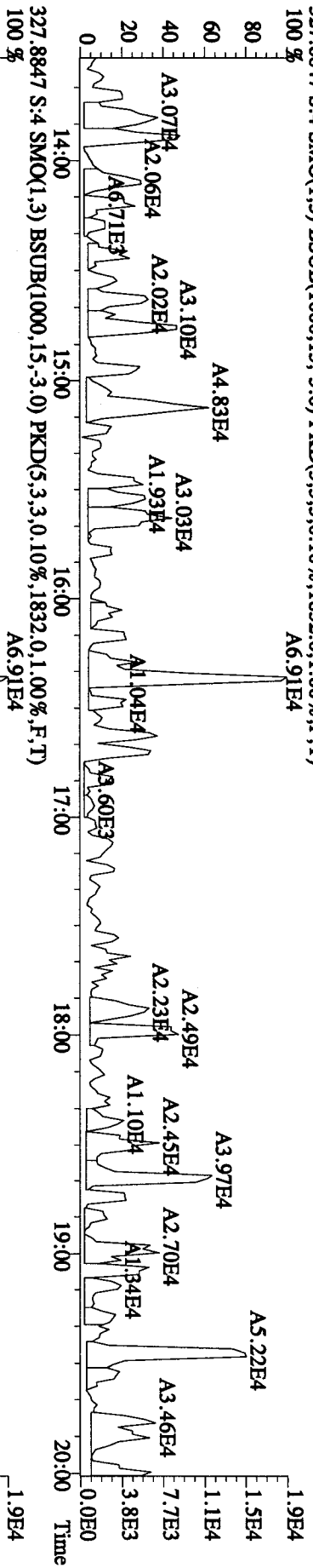


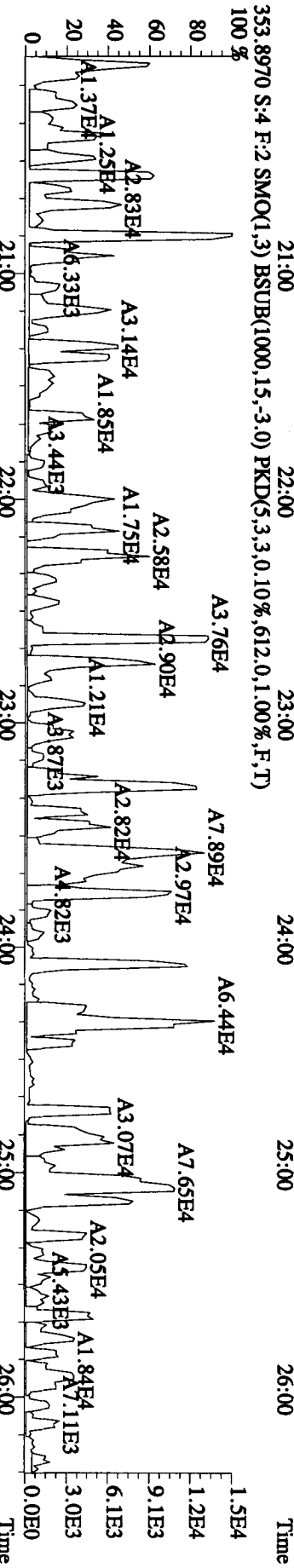
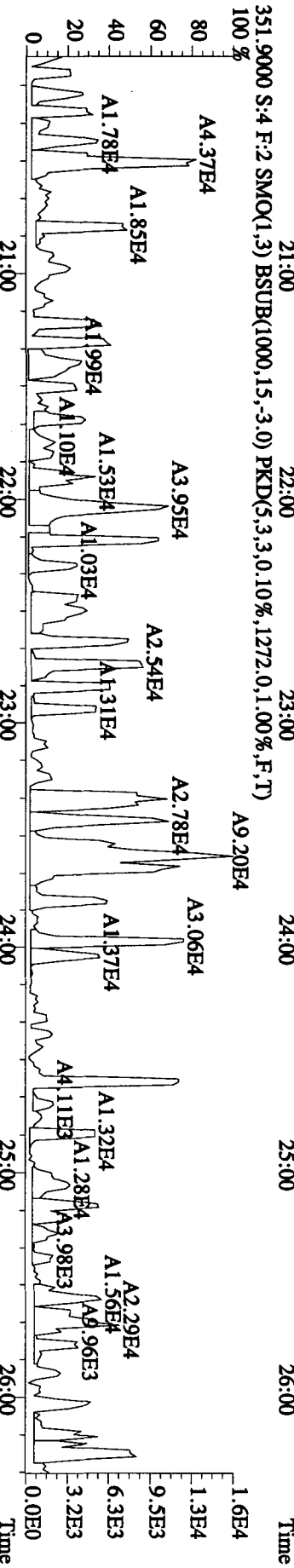
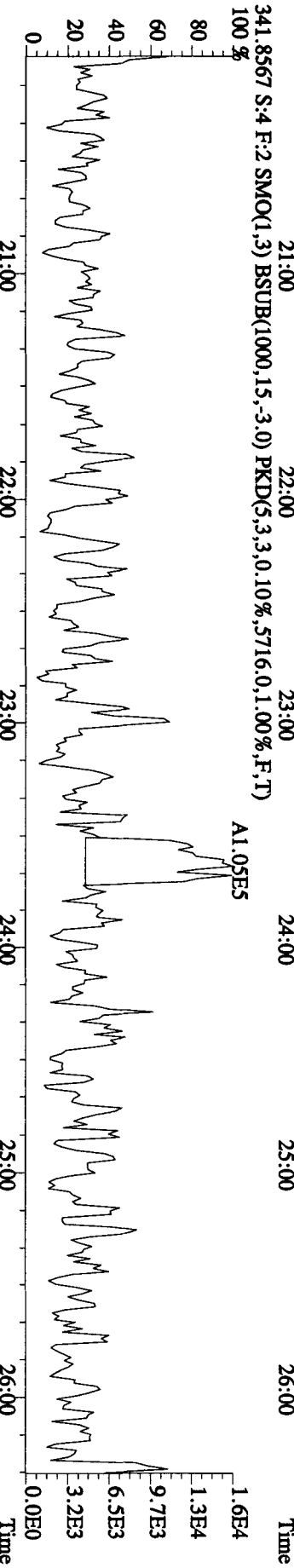
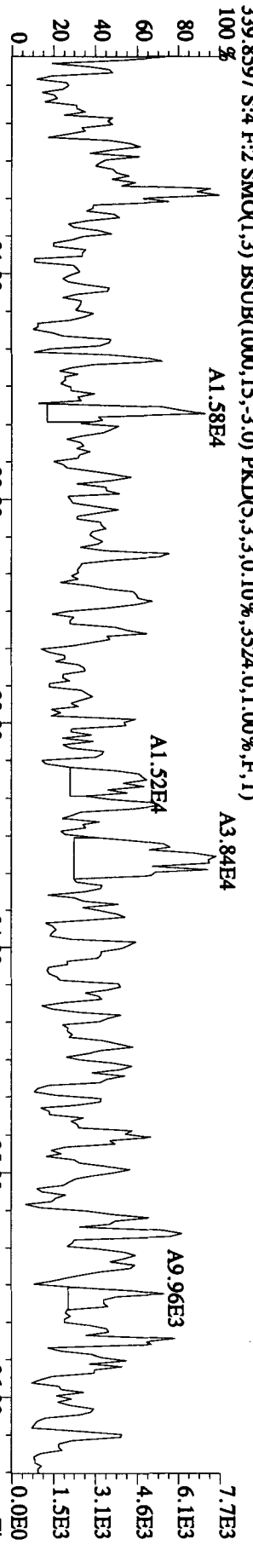


File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2096.0,1.00%,F,T)

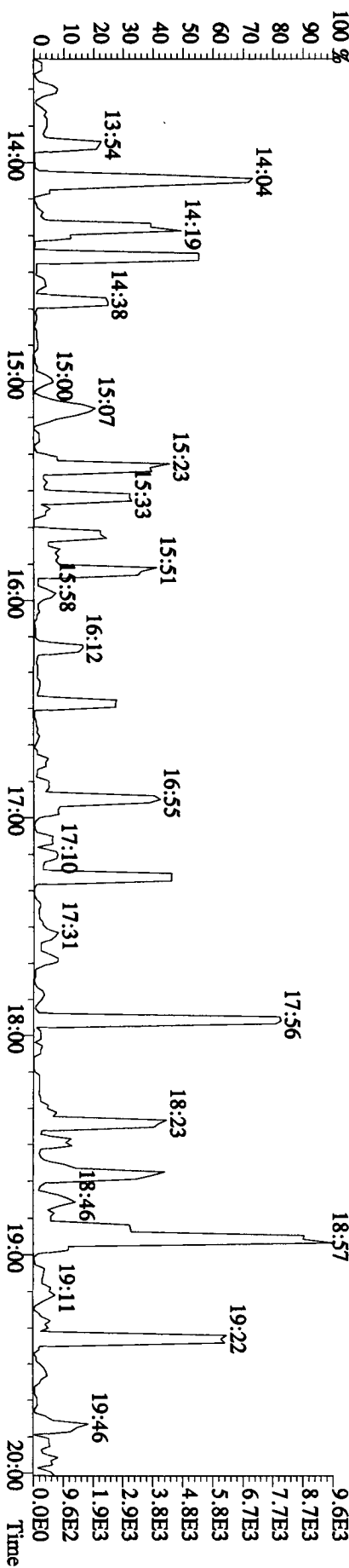
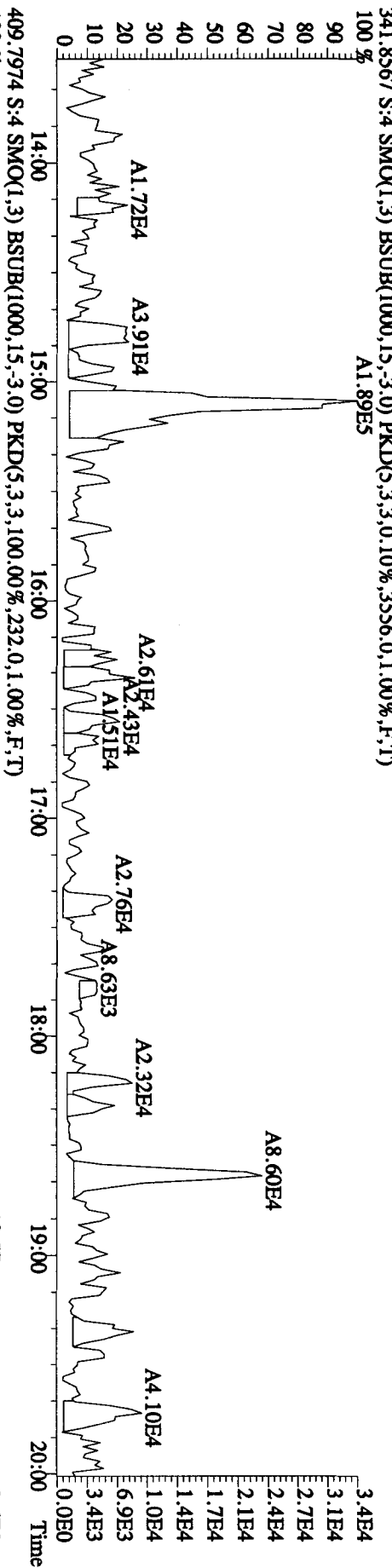
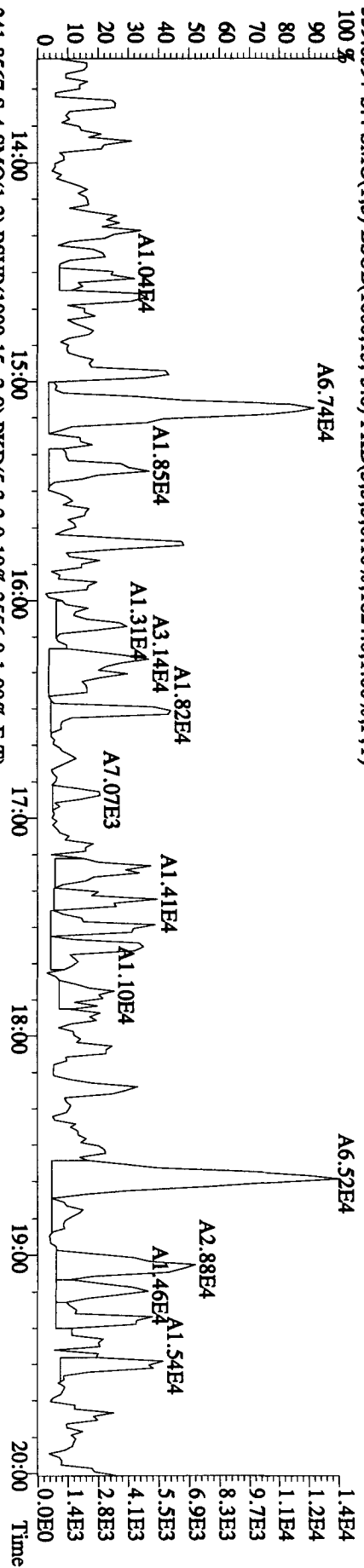


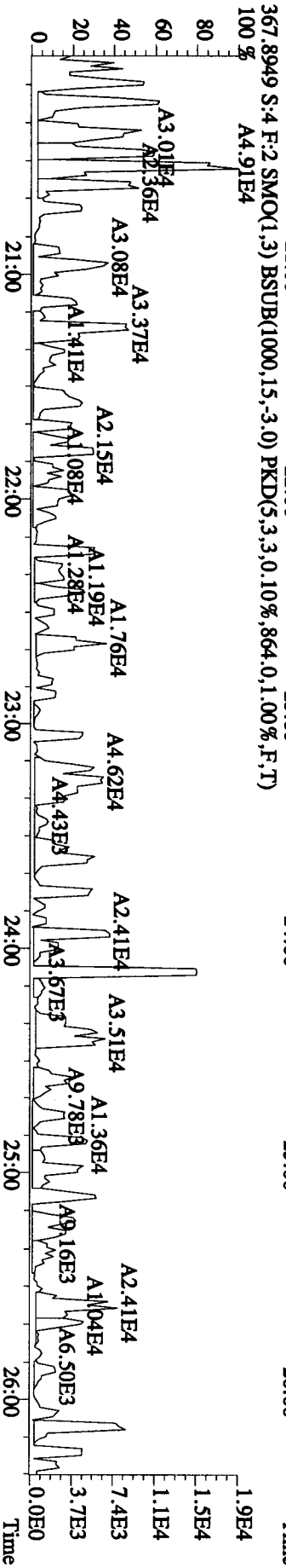
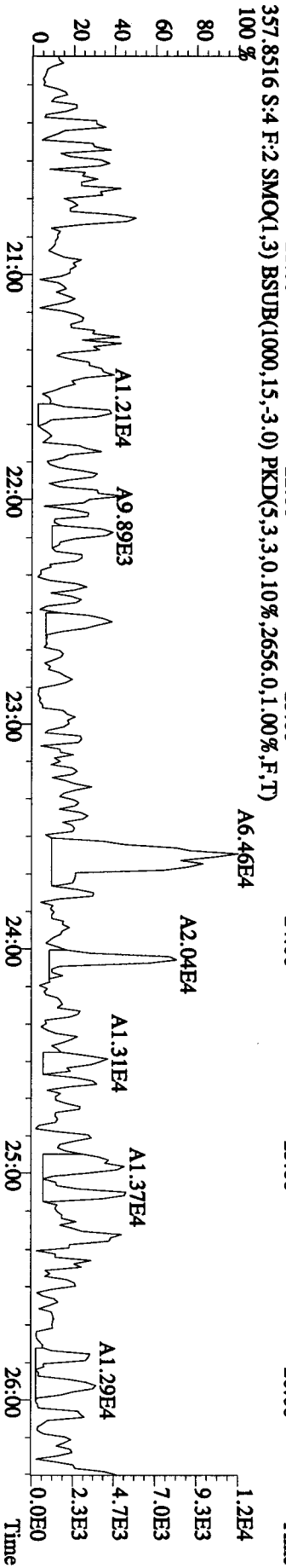
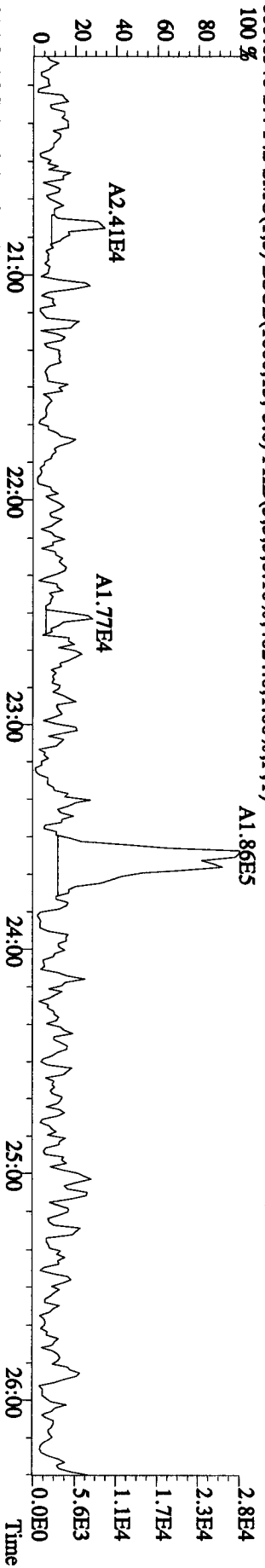
File:26API0A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832,0.1,00%,F,T)
 100 %

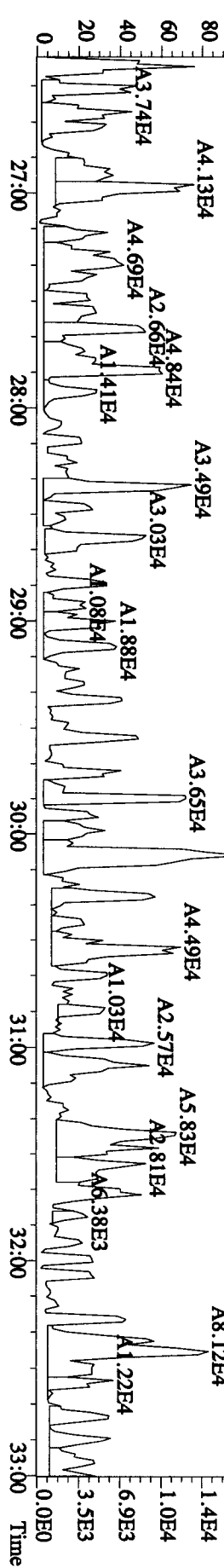
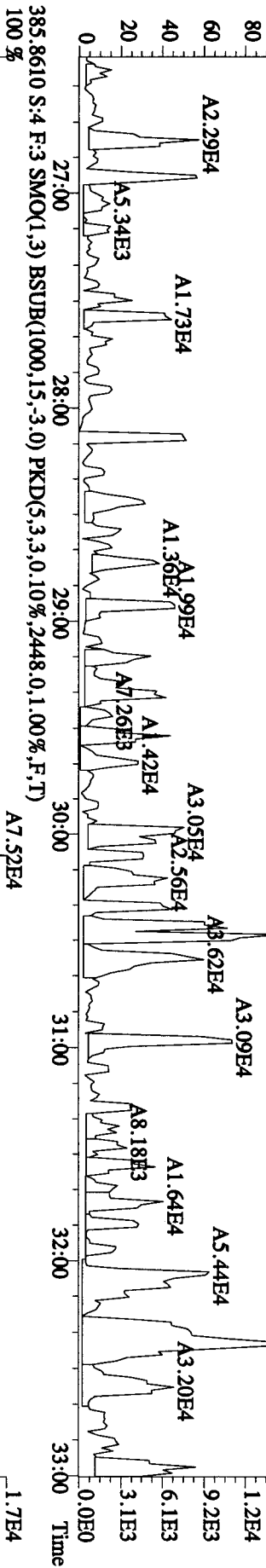
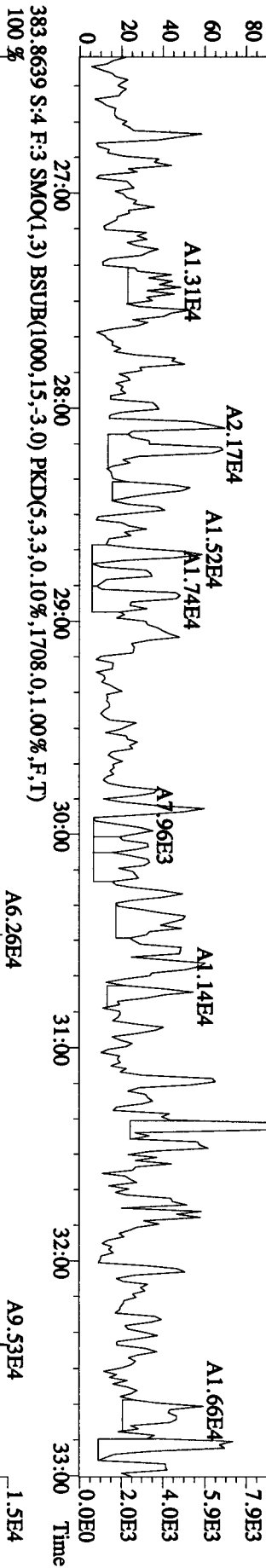
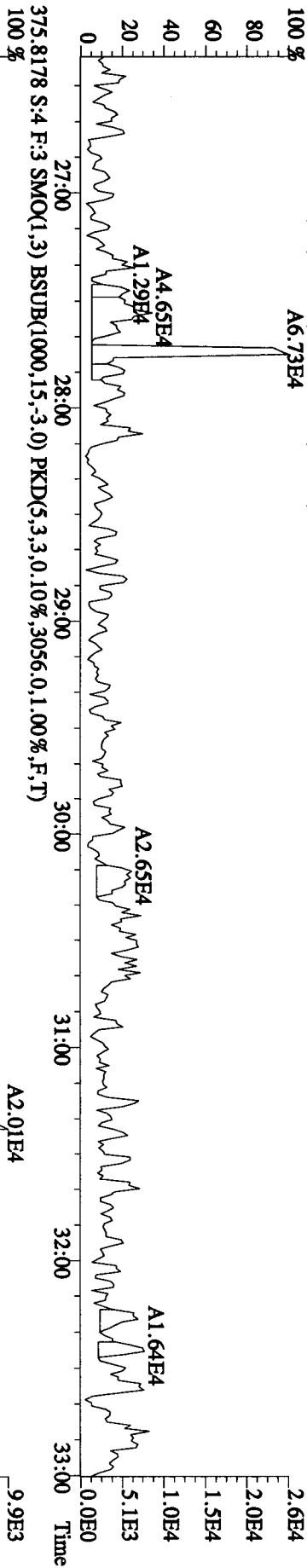




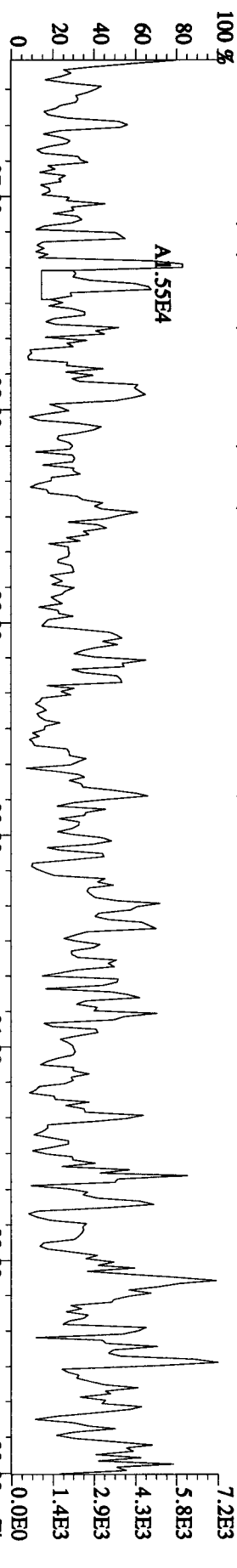
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 339.8597 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



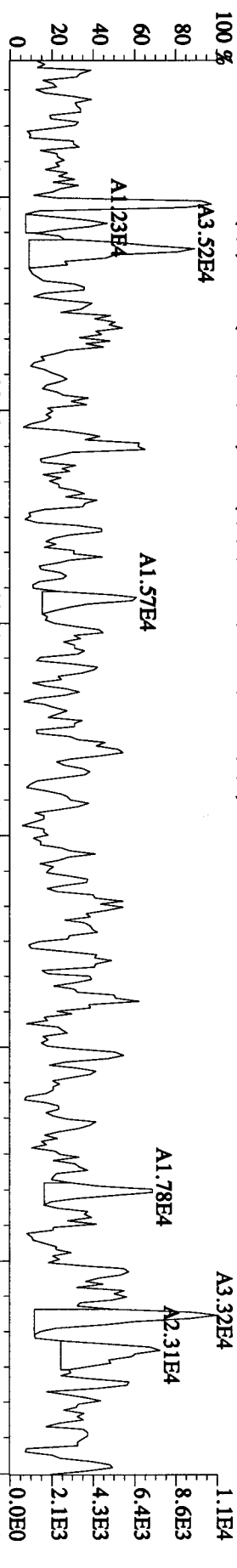




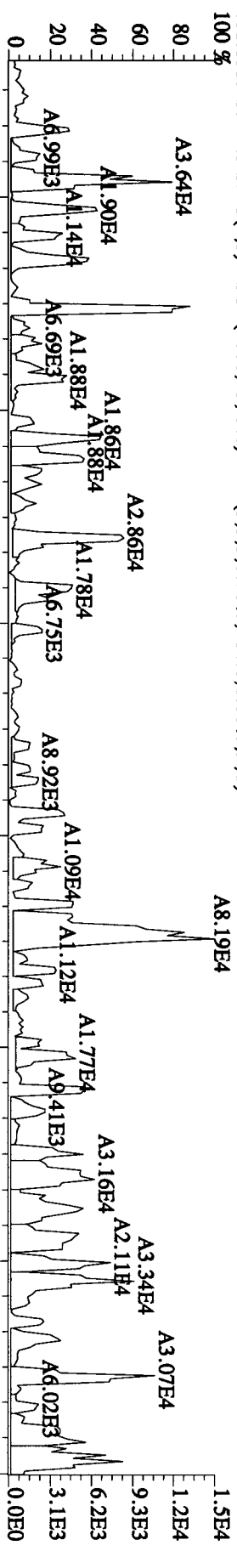
File:26ADP10A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3180,0,1.00%,F,T)
 100 %



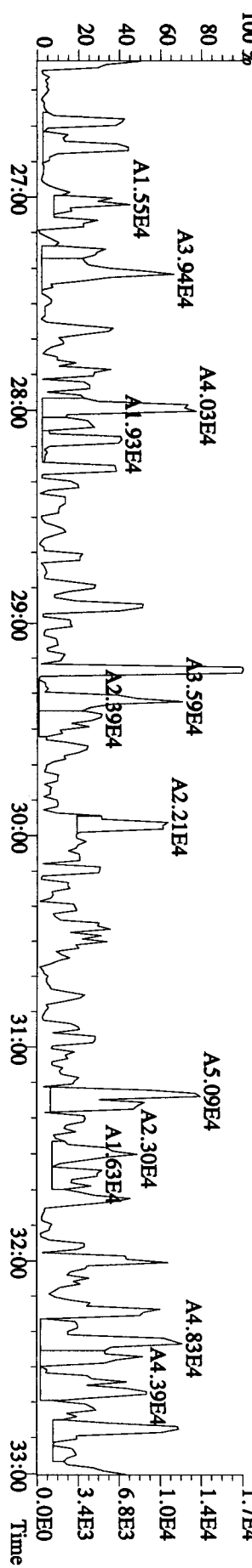
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4192,0,1.00%,F,T)
 100 %



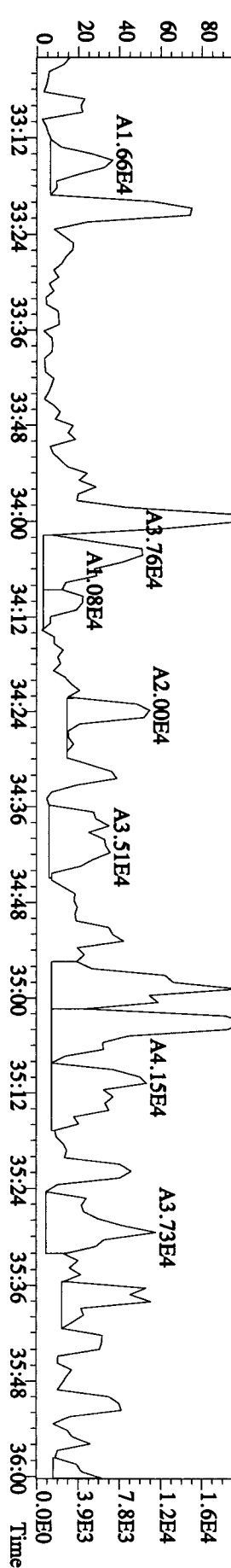
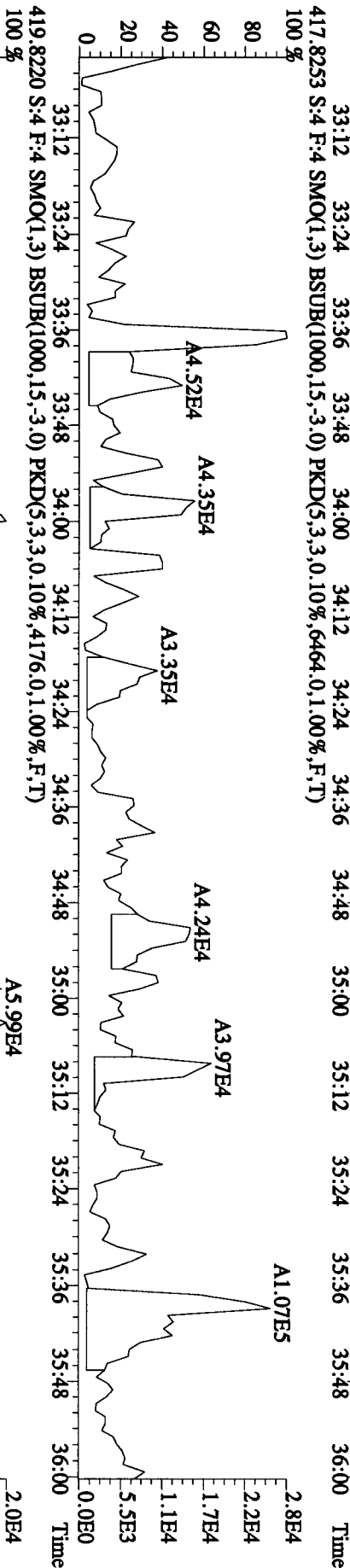
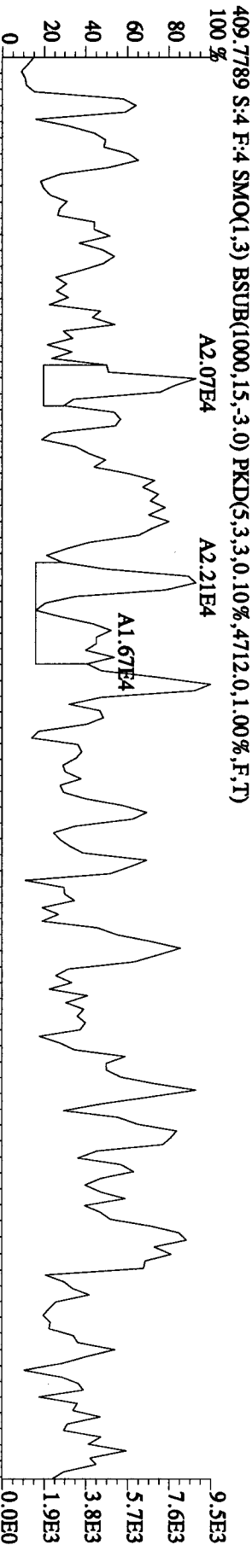
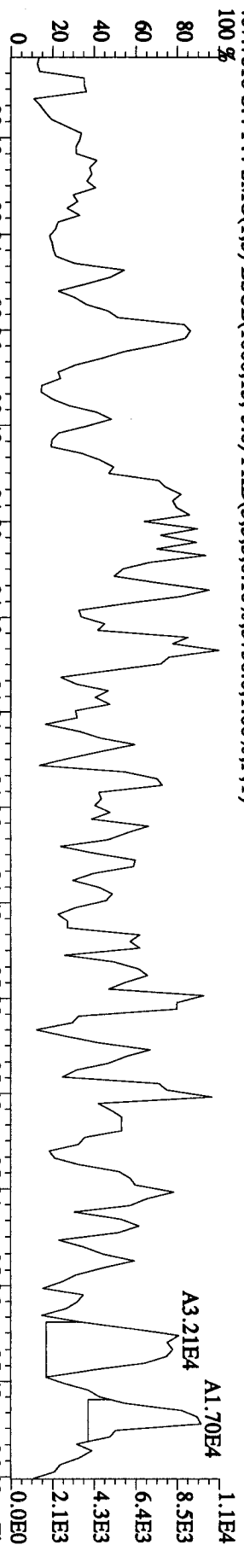
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,784,0,1.00%,F,T)
 100 %

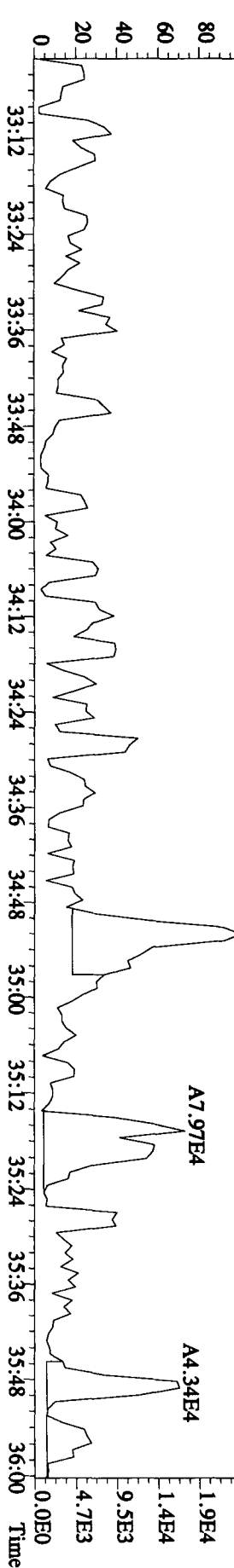
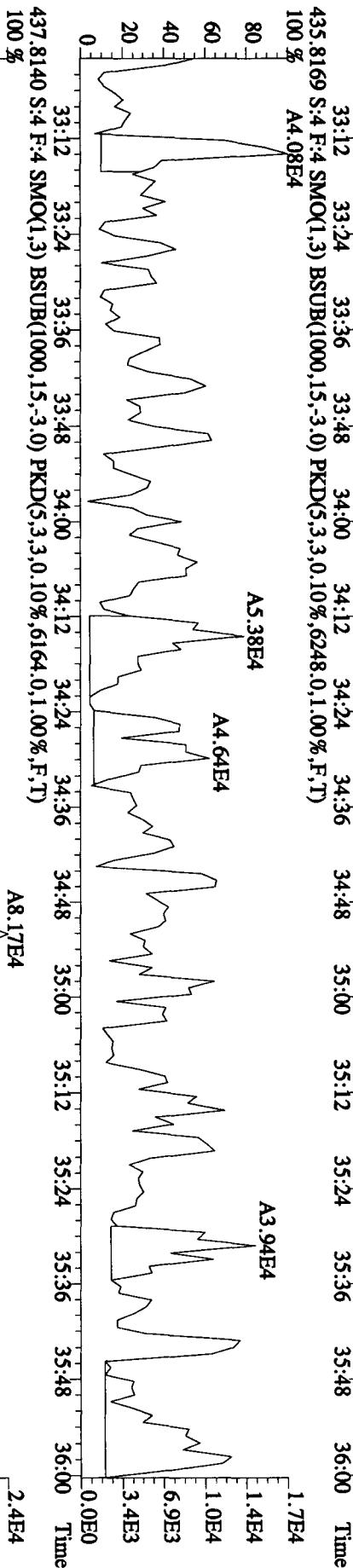
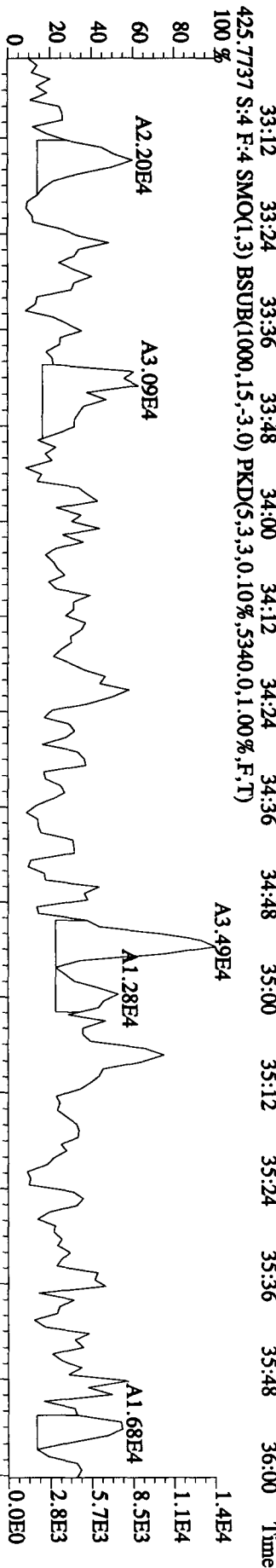
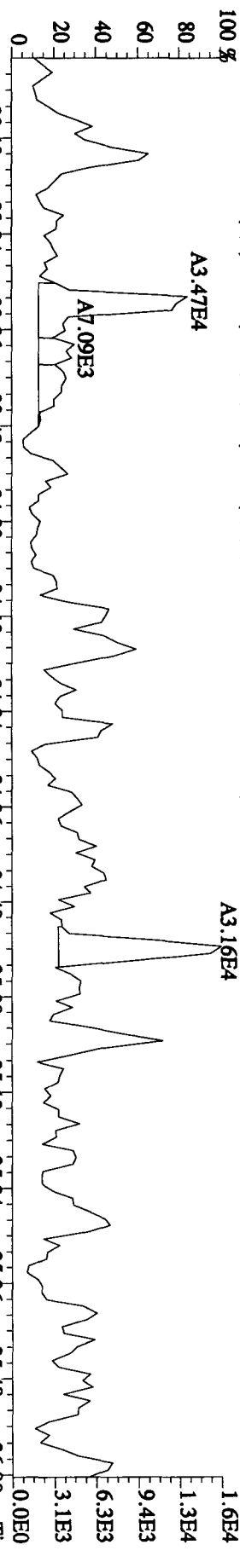


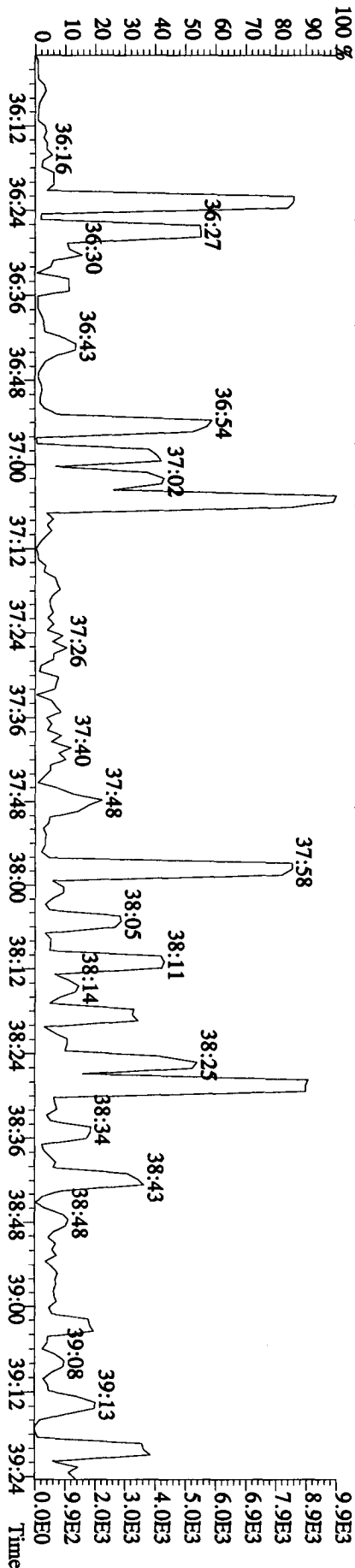
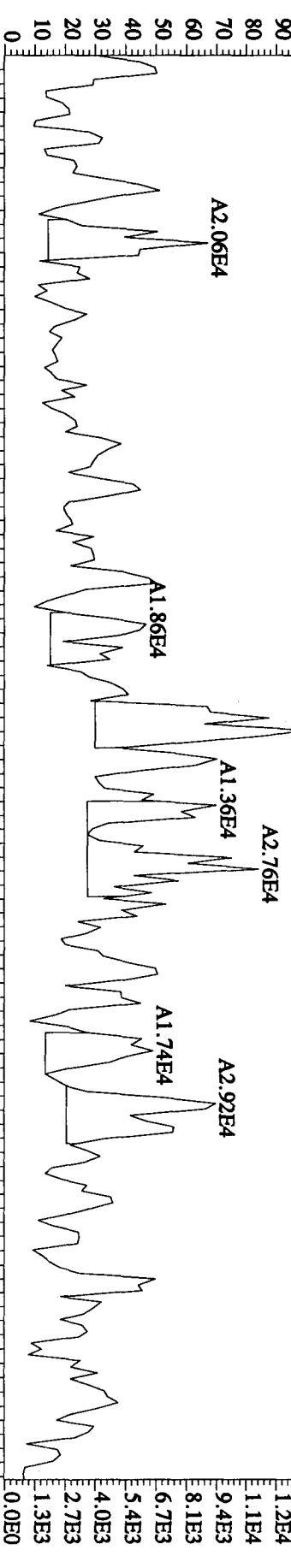
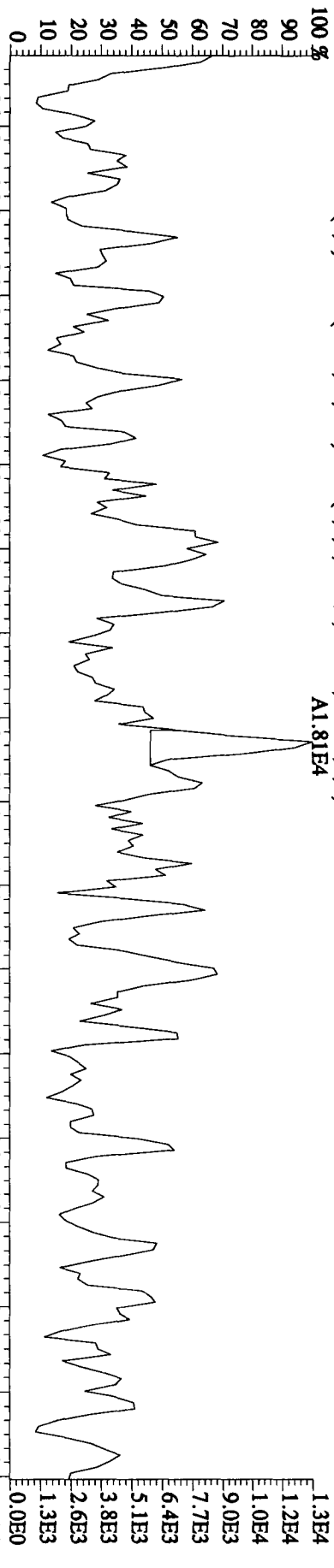
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4208,0,1.00%,F,T)
 100 %



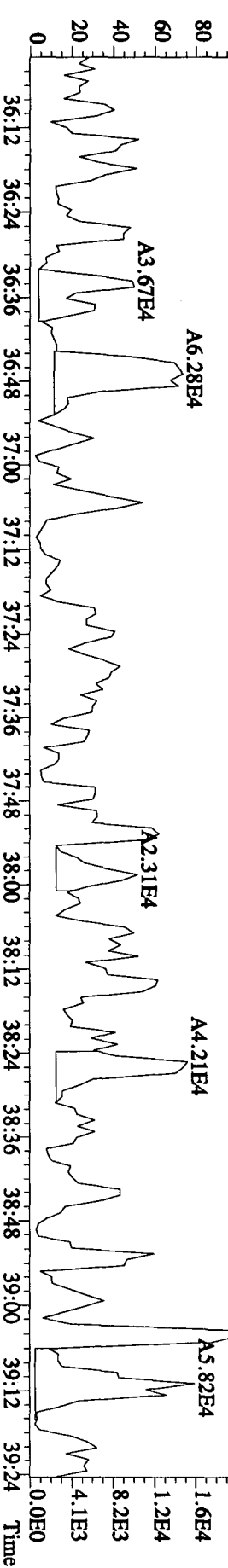
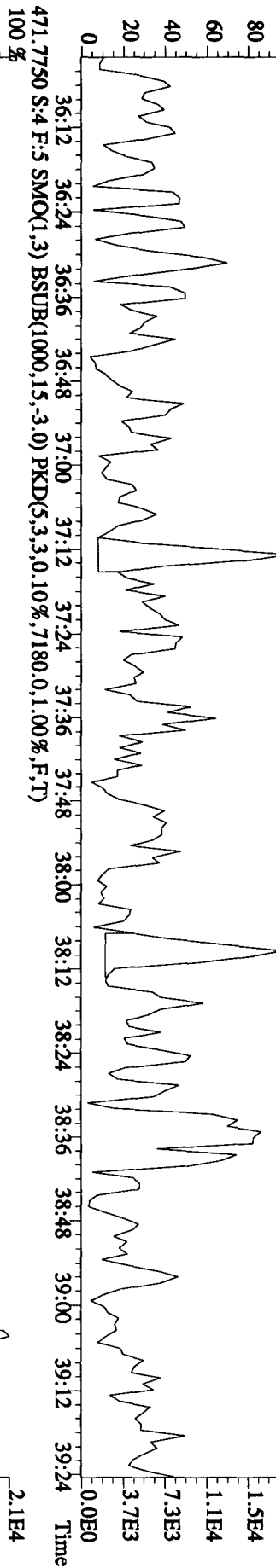
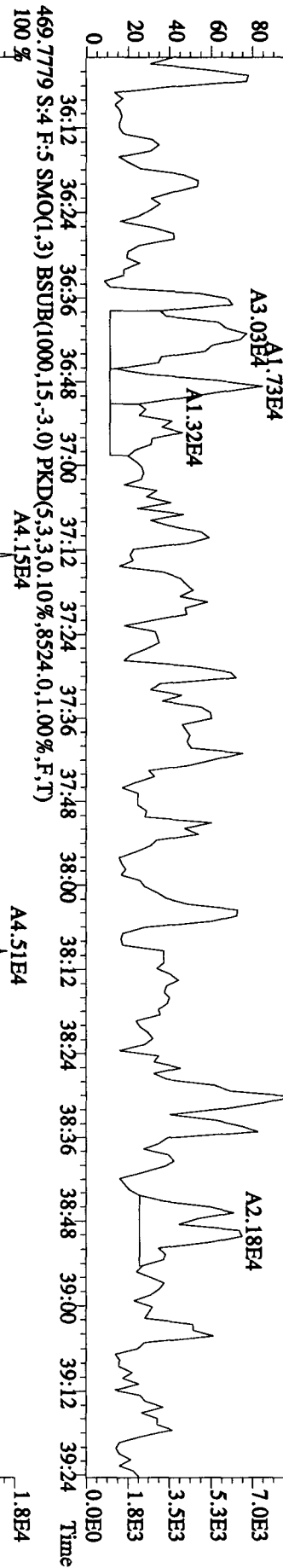
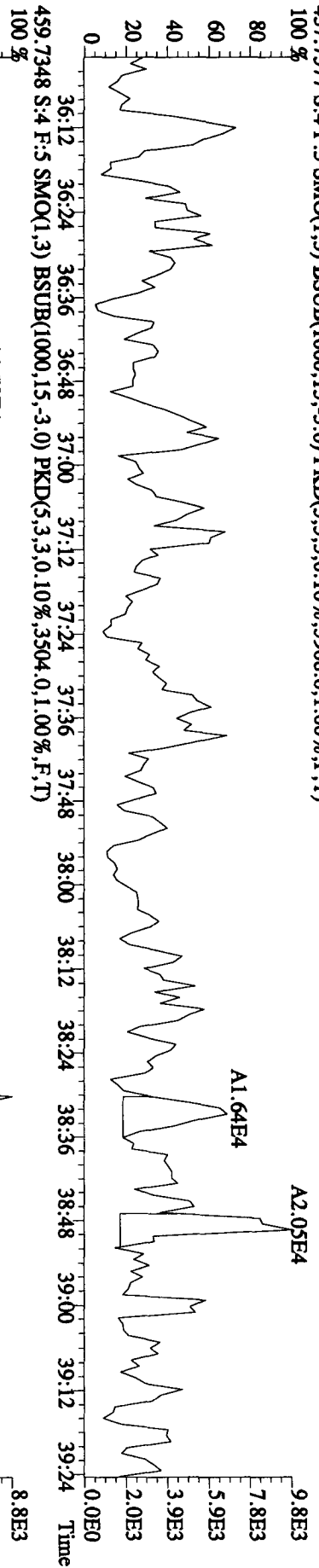
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5736,0,1.00%,F,T)
100 %





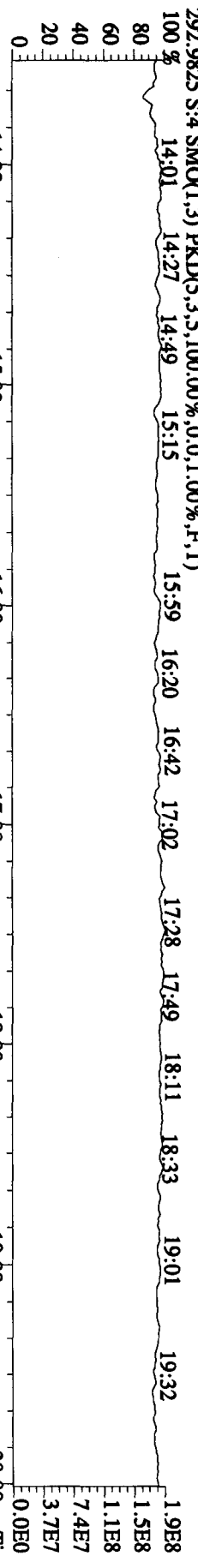


Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
457.7377 S:4 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908,0.1,00%,F,T)
100 %

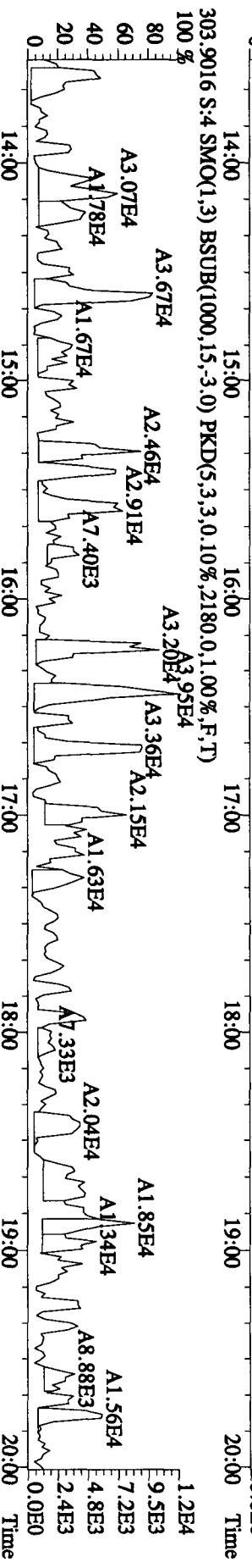


Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

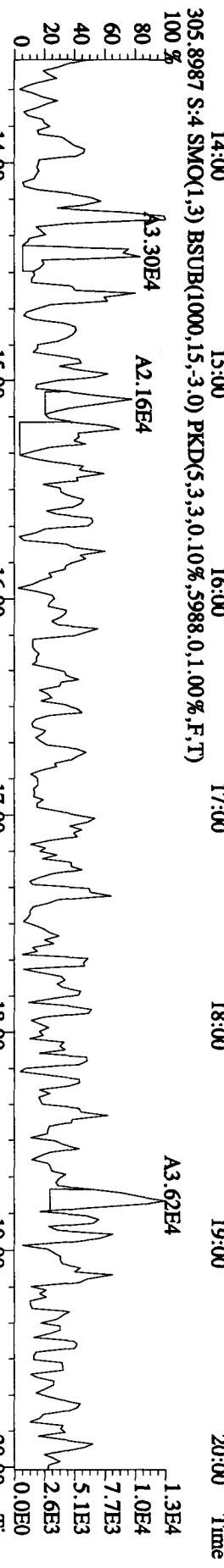
292.9825 S:4 SMO(1.3) PKD(5.3,5,100.00%,0.0,1.00%,F,T)



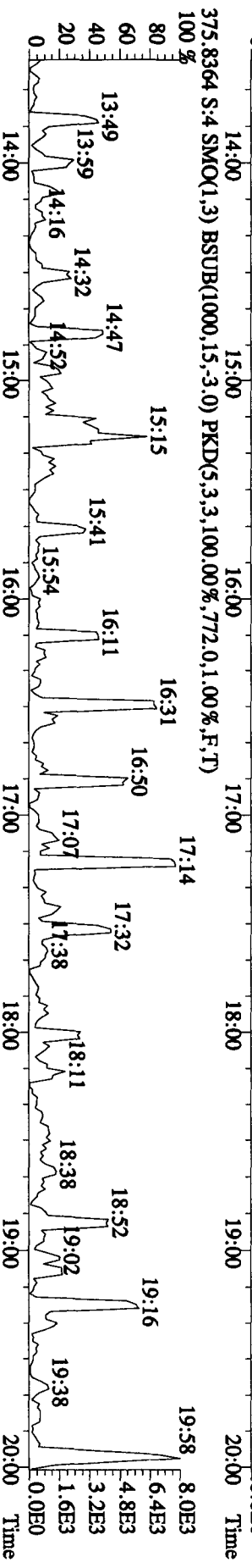
303.9016 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,2180.0,1.00%,F,T)



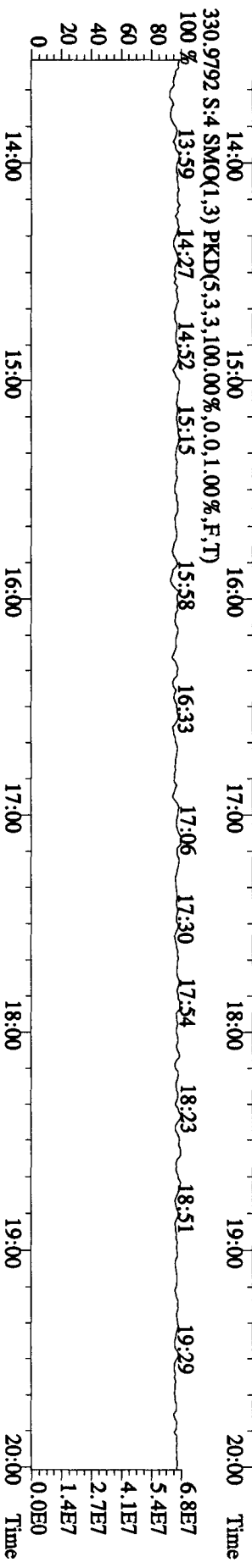
305.8987 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,5988.0,1.00%,F,T)



375.8364 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,772.0,1.00%,F,T)



330.9792 S:4 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



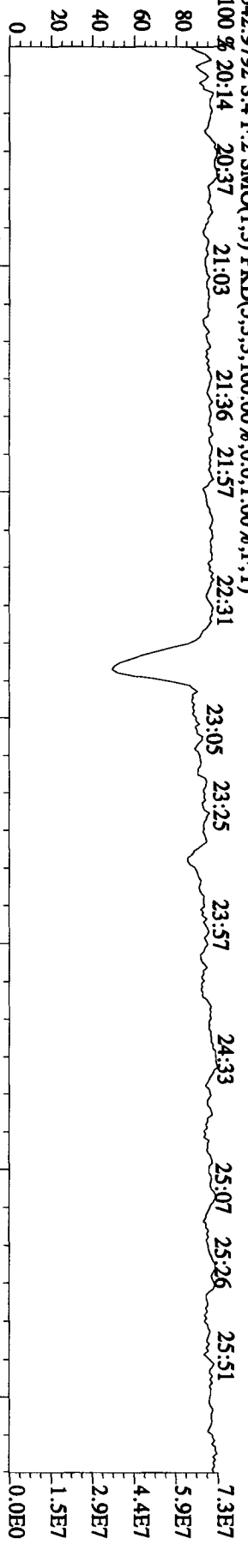
File:26API01A1D5 #1-444 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE

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

23:05 23:25 23:57 24:33 25:07 25:26 25:51



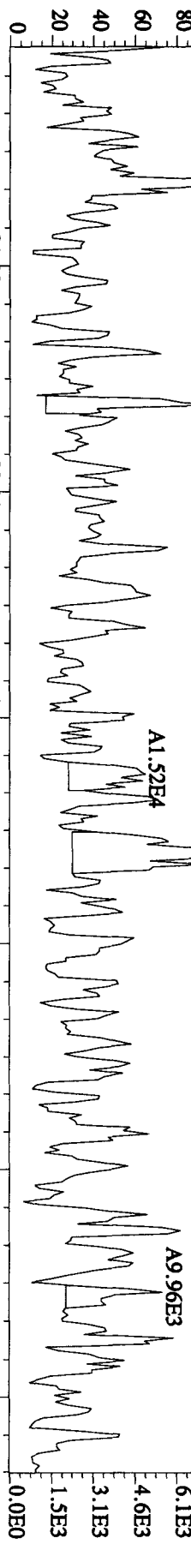
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)

100 % A1.58E4

A1.52E4

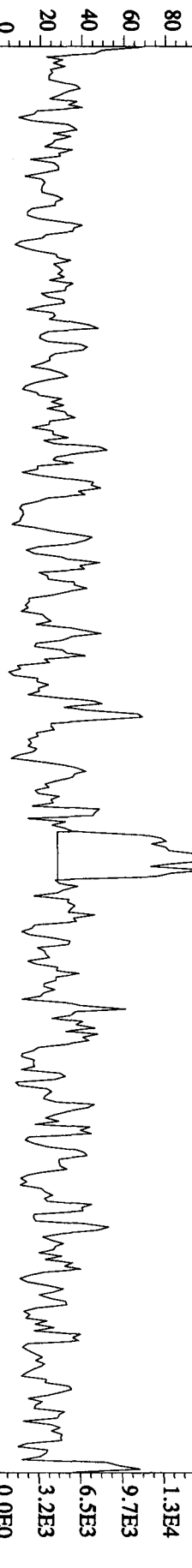
A3.84E4

80 60 40 20 0 21:00 22:00 23:00 24:00 25:00 26:00



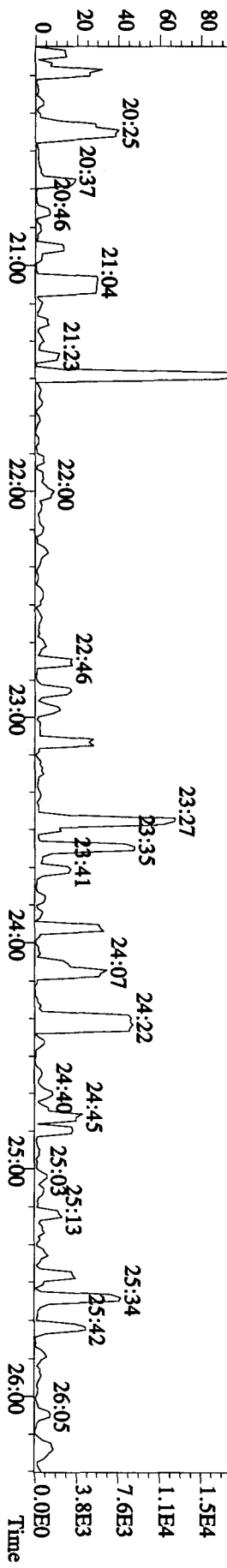
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)

100 % A1.05E5

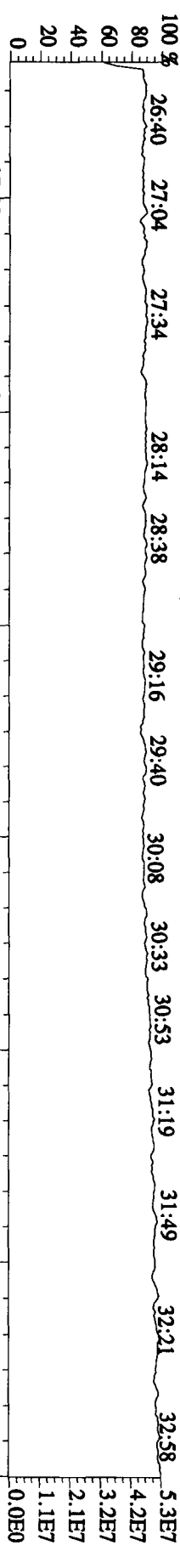


409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,580.0,1.00%,F,T)

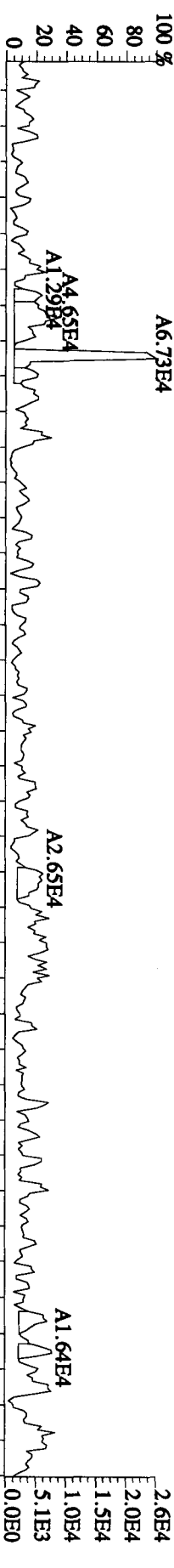
100 % 21:29



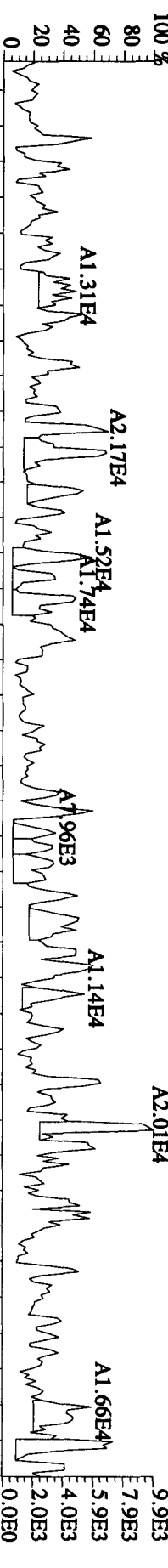
File:26API0A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



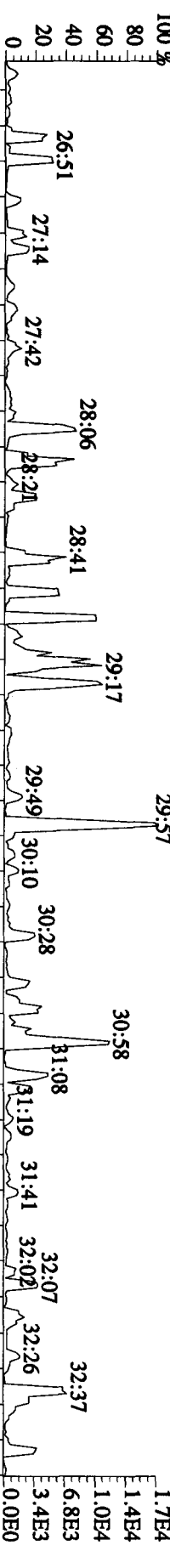
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4252,0.1,00%,F,T)



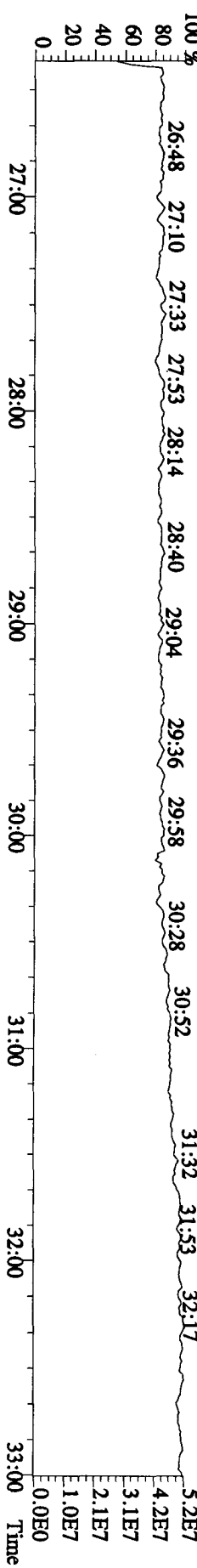
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056,0.1,00%,F,T)



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)

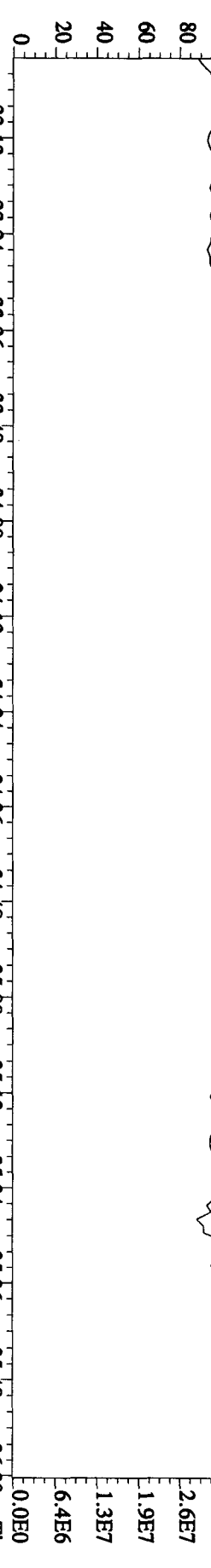


380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

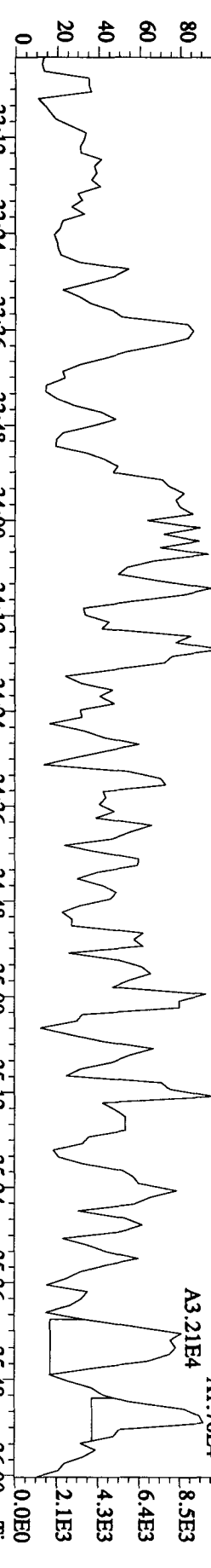


File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

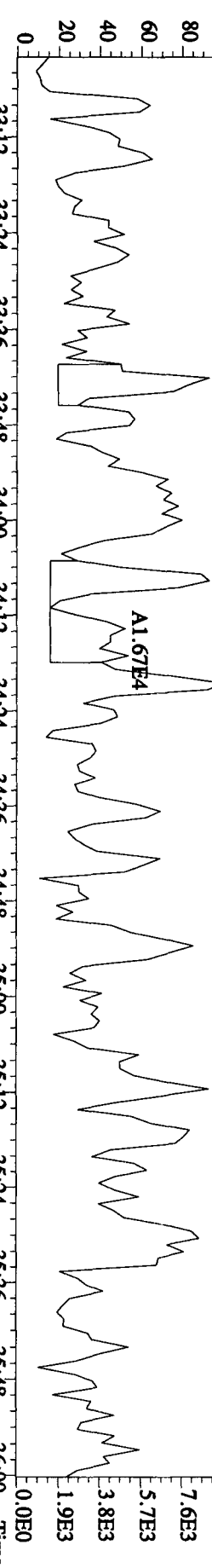
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 % 33:07 33:30 33:48 33:57



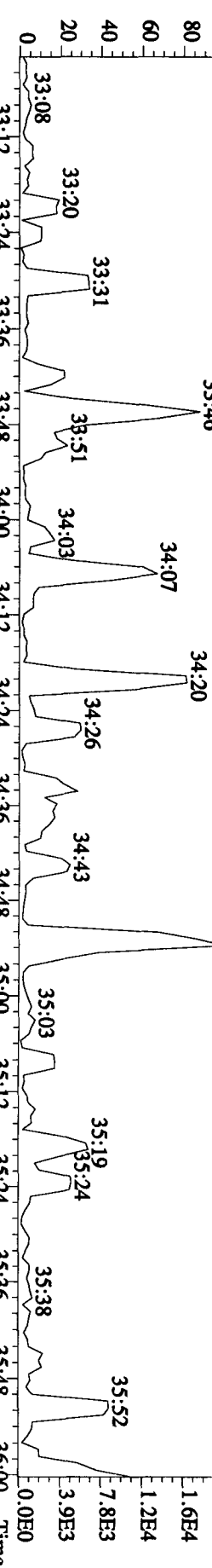
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5736,0,1.00%,F,T)
100 %



409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4712,0,1.00%,F,T)
100 %



479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,952,0,1.00%,F,T)
100 %

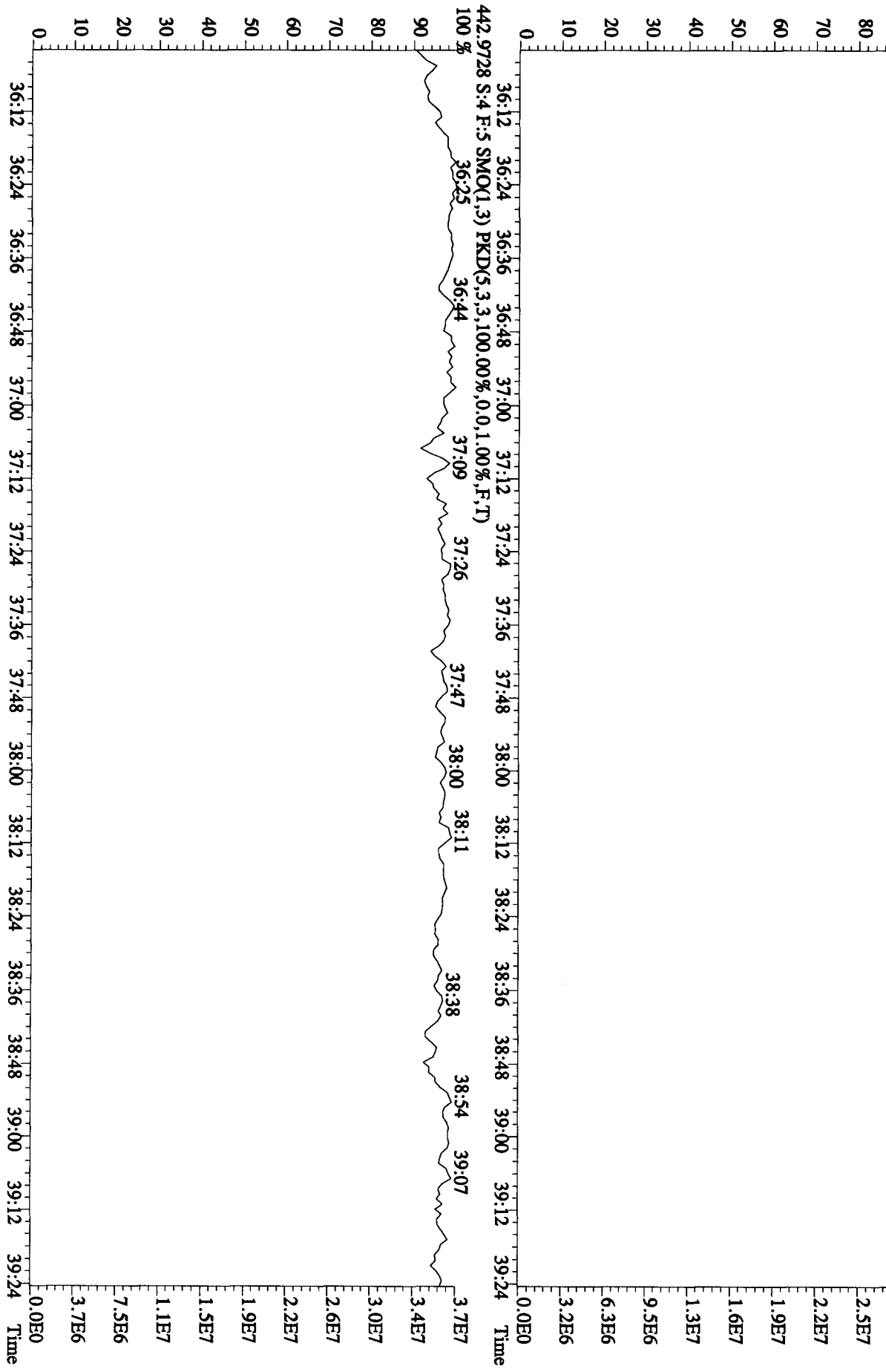


File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

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

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



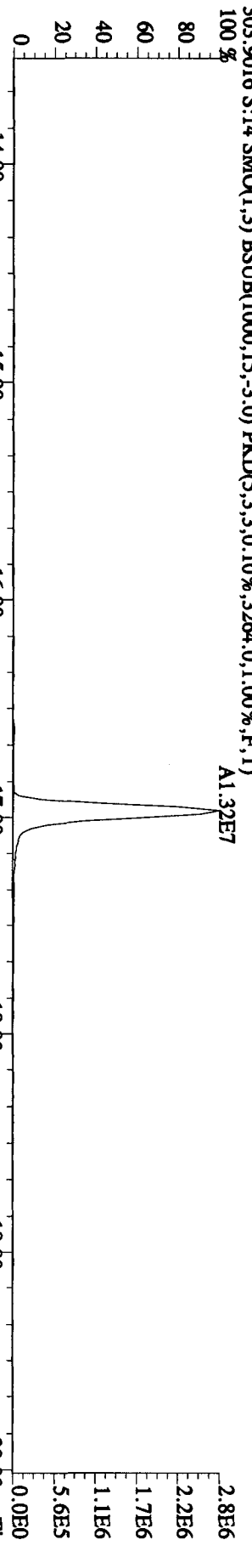
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 10DXN111

Exp:DIOXIN

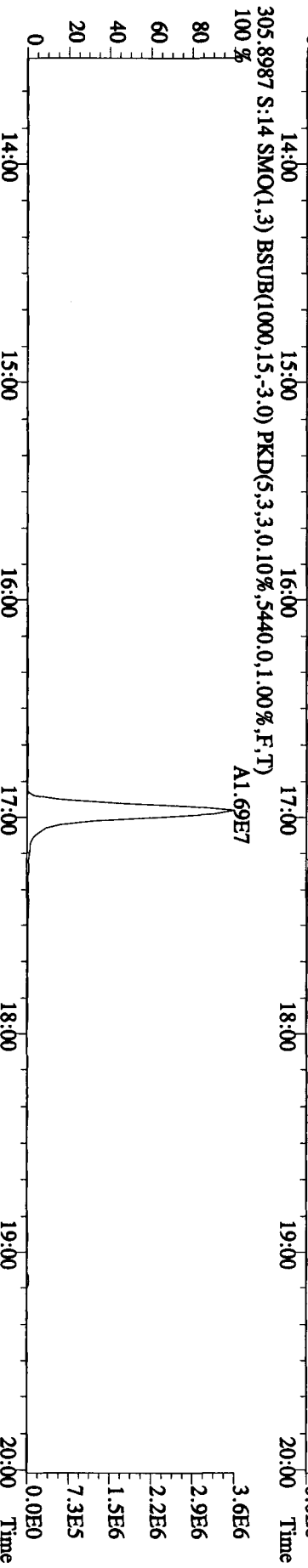
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3264,0,1,00%,F,T)

A1.32E7



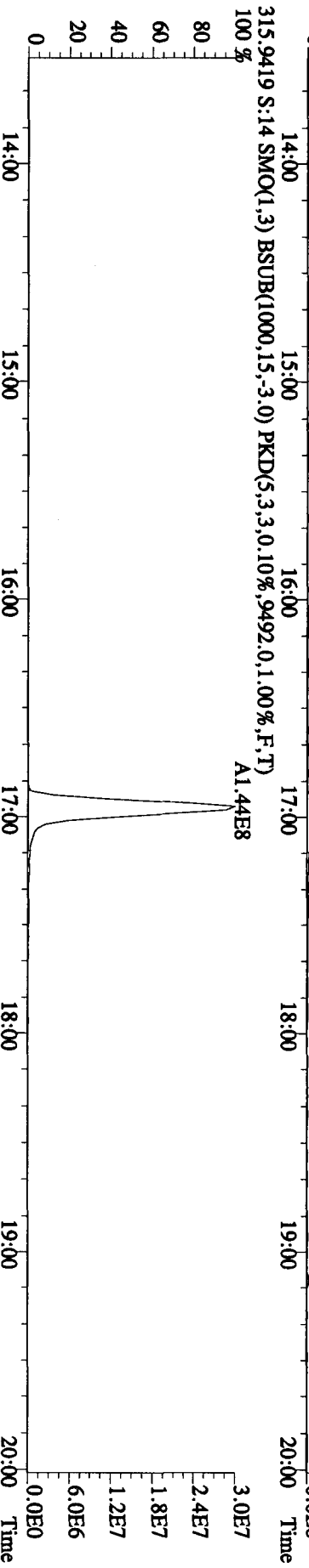
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5440,0,1,00%,F,T)

A1.69E7



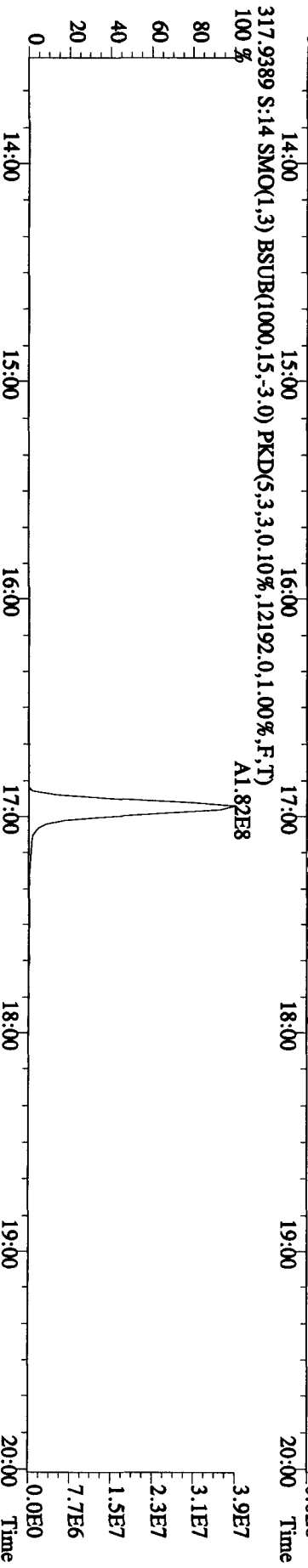
315.9419 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9492,0,1,00%,F,T)

A1.44E8



317.9389 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12192,0,1,00%,F,T)

A1.82E8



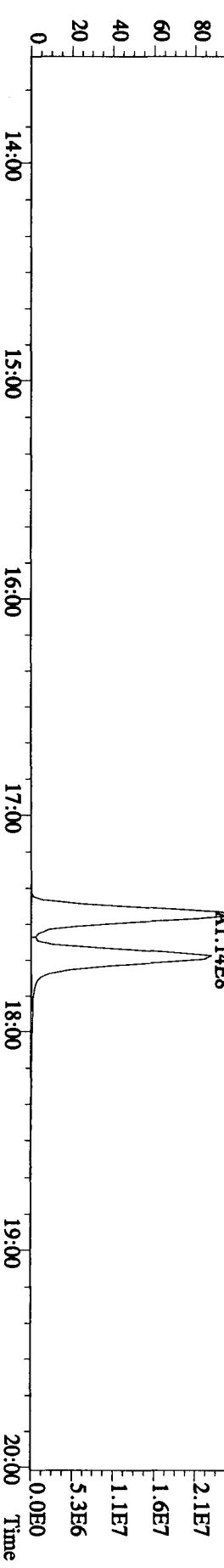
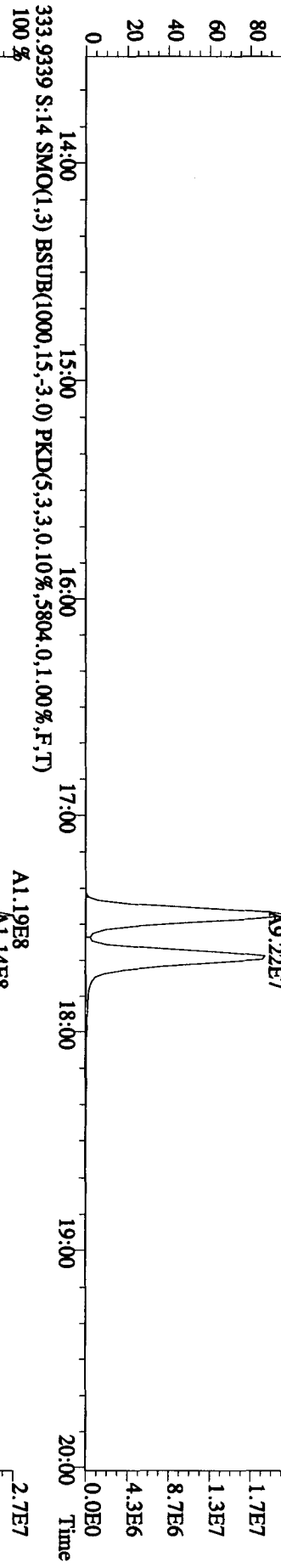
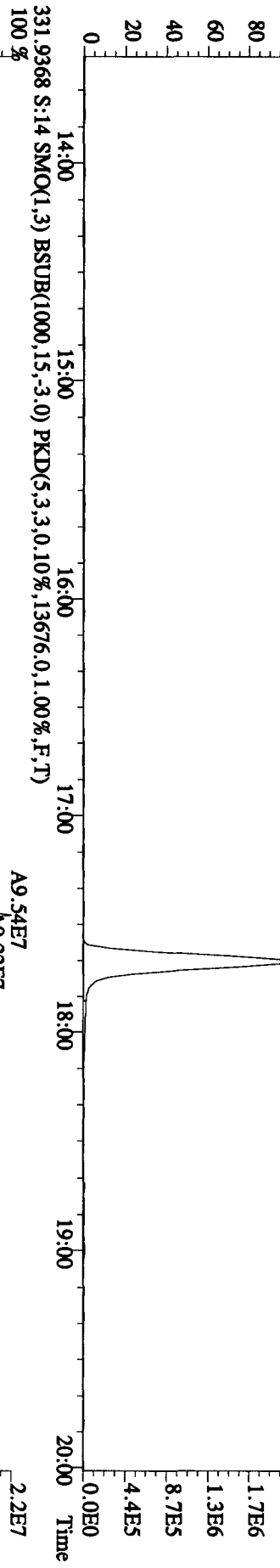
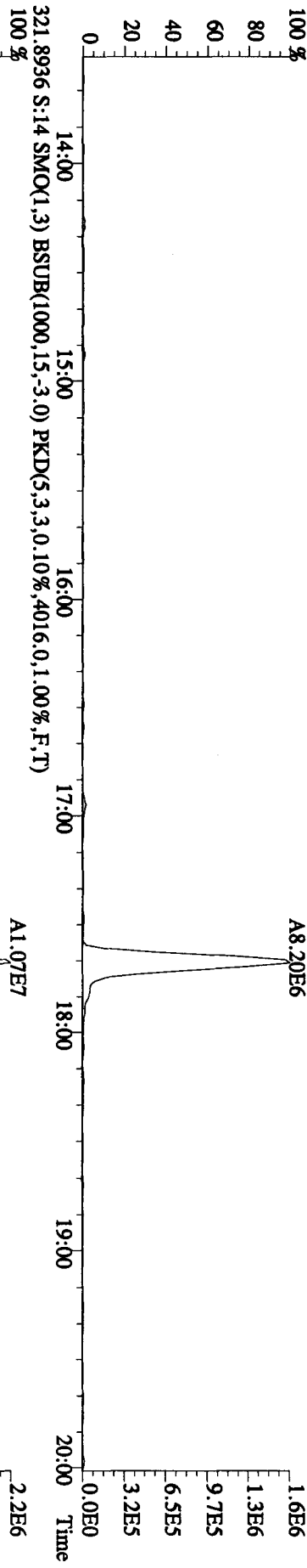
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 10DXN111

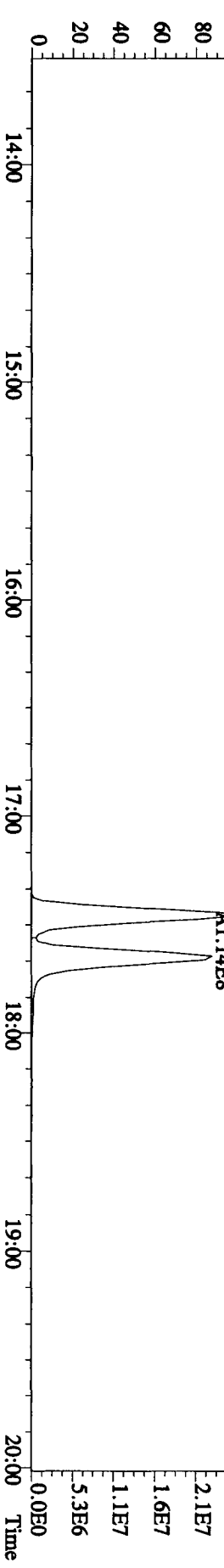
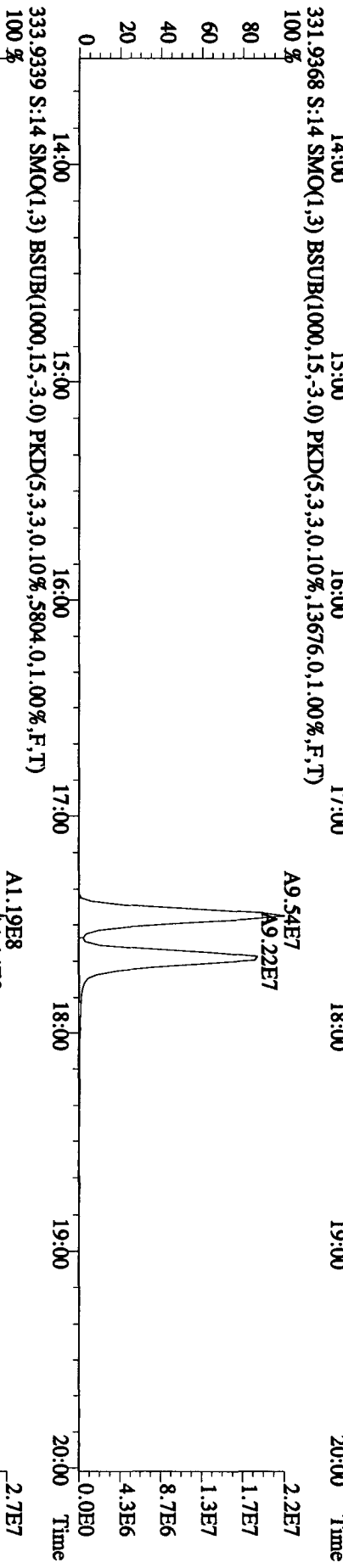
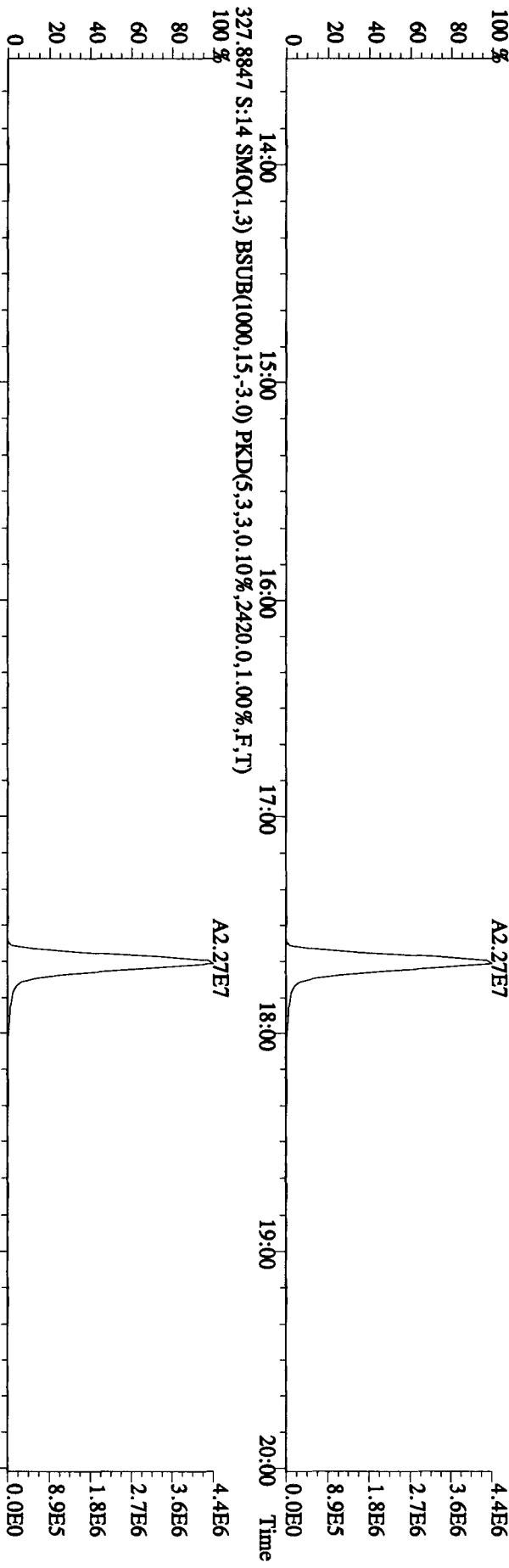
Exp:DIOXIN

319.8965 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2084,0,1,00%,F,T)

100 %

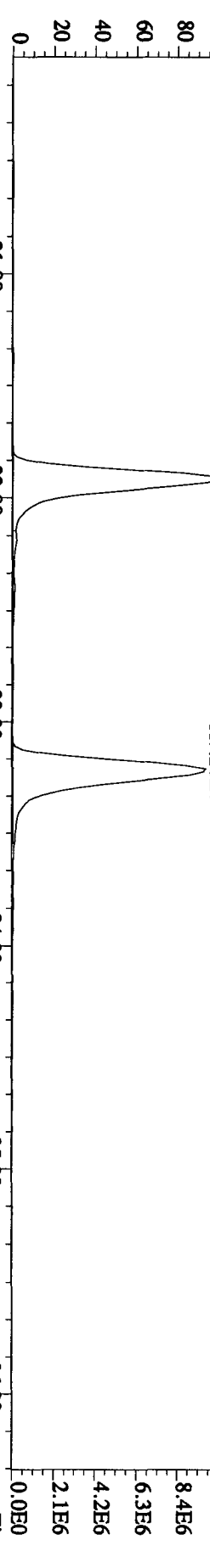


File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 327.8847 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2420,0,1,00%,F,T)
 100 %

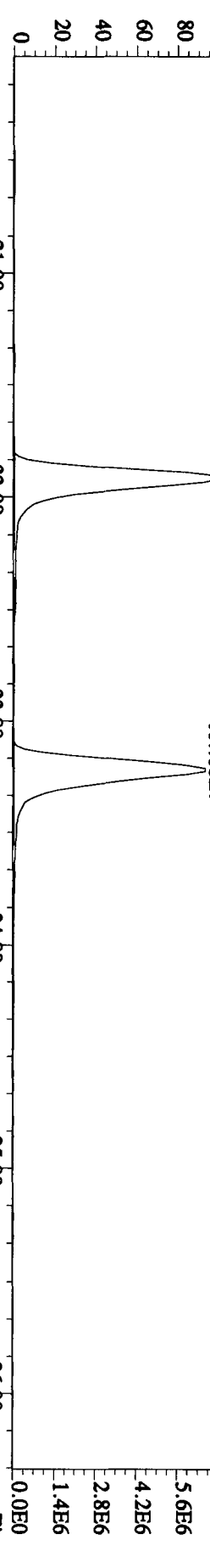


Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

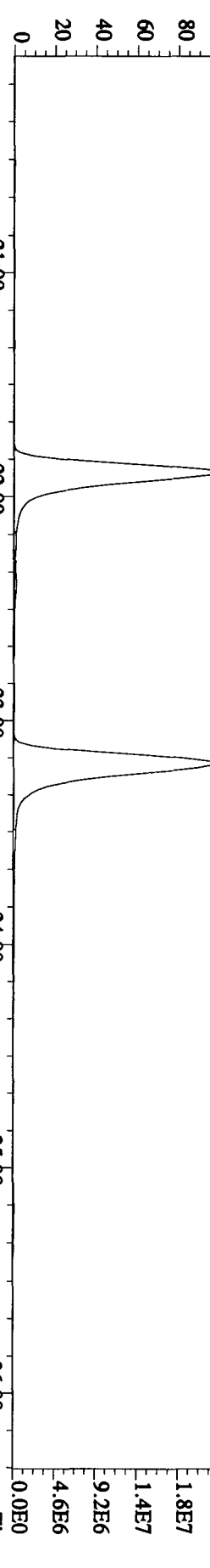
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9652.0,1.00%,F,T) 100% A6.97E7 A7.20E7



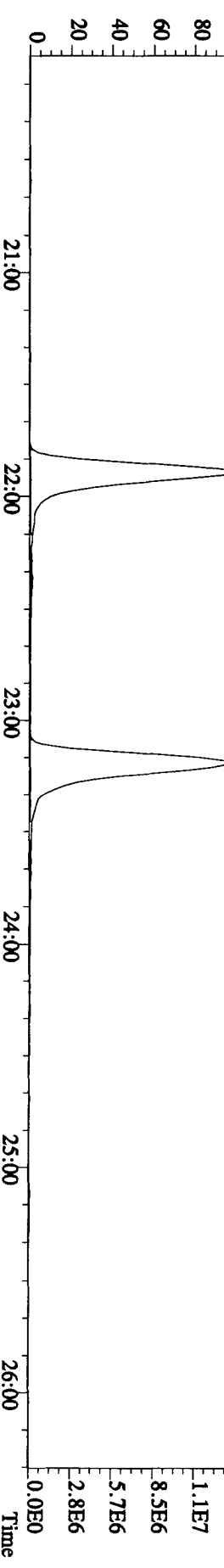
341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T) 100% A4.63E7 A4.68E7

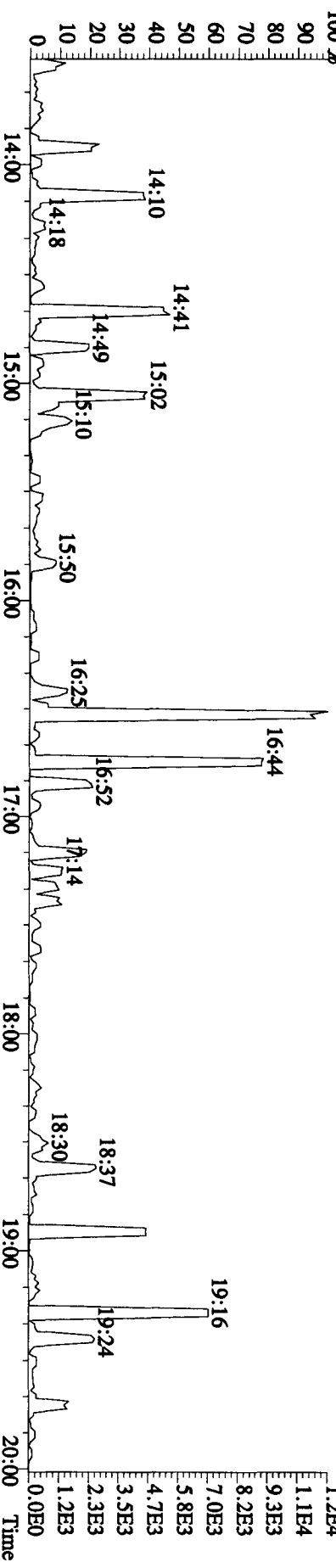
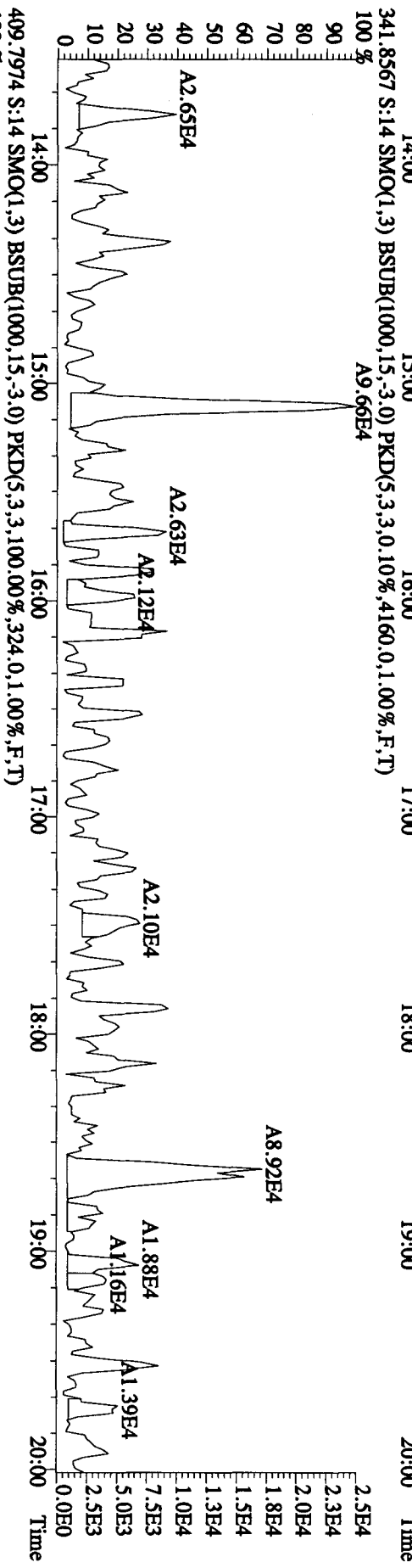
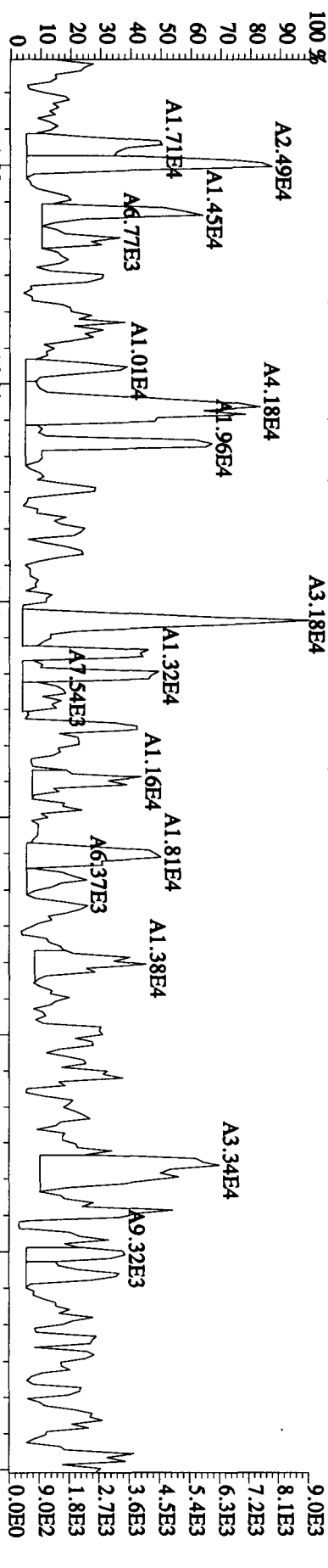


351.9000 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10512.0,1.00%,F,T) 100% A1.45E8 A1.55E8

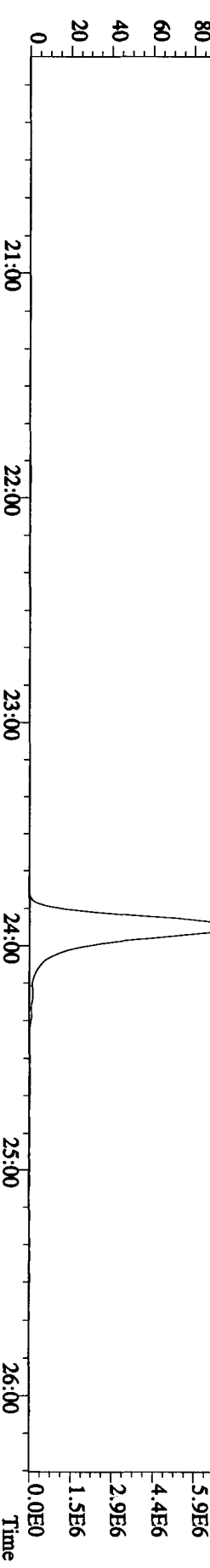
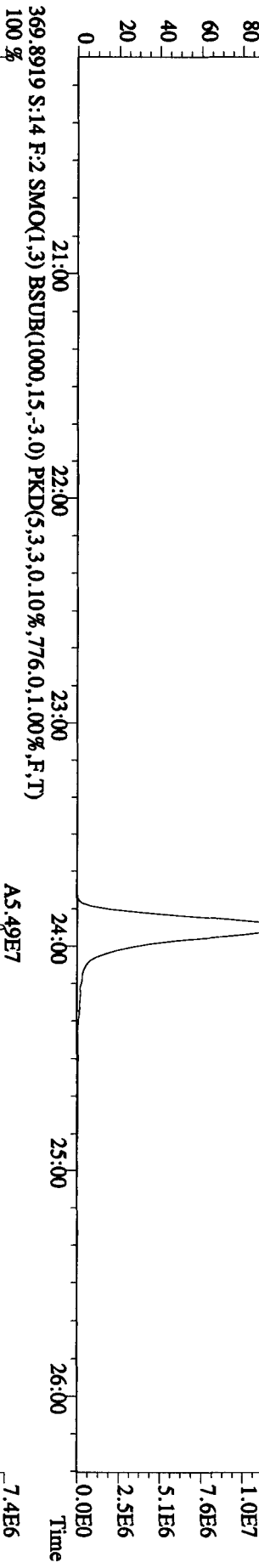
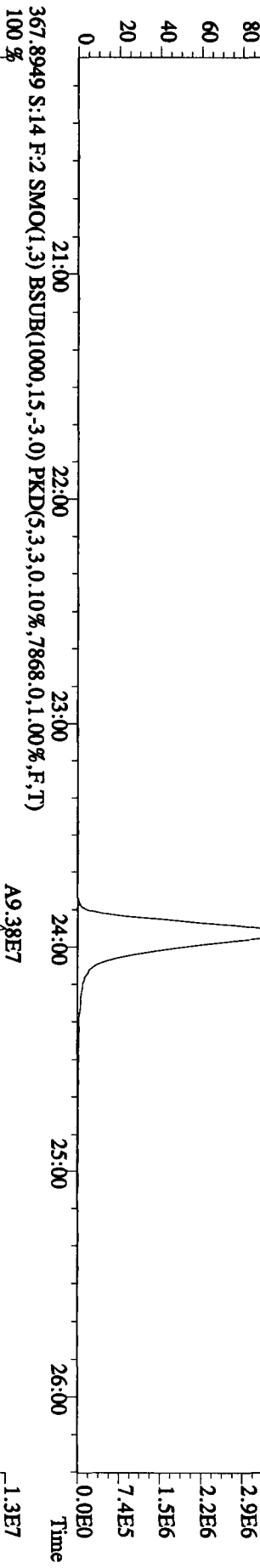
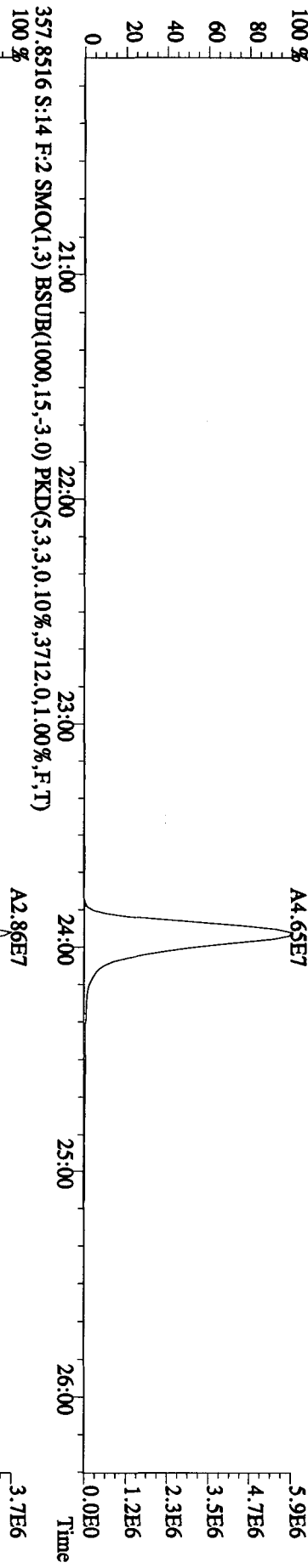


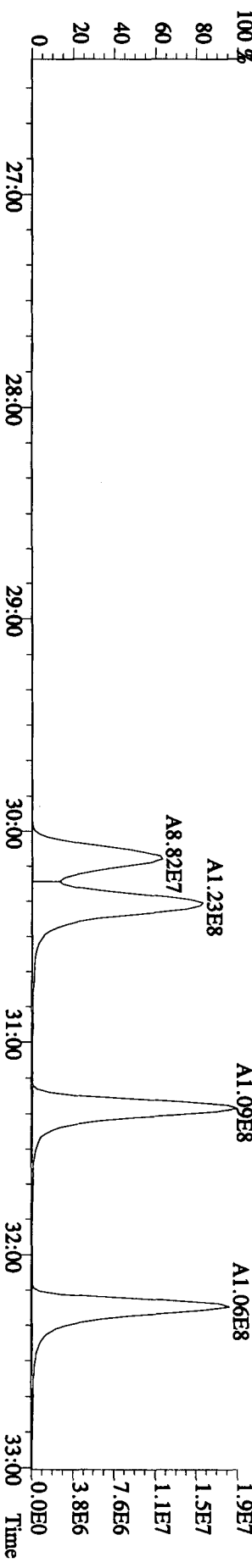
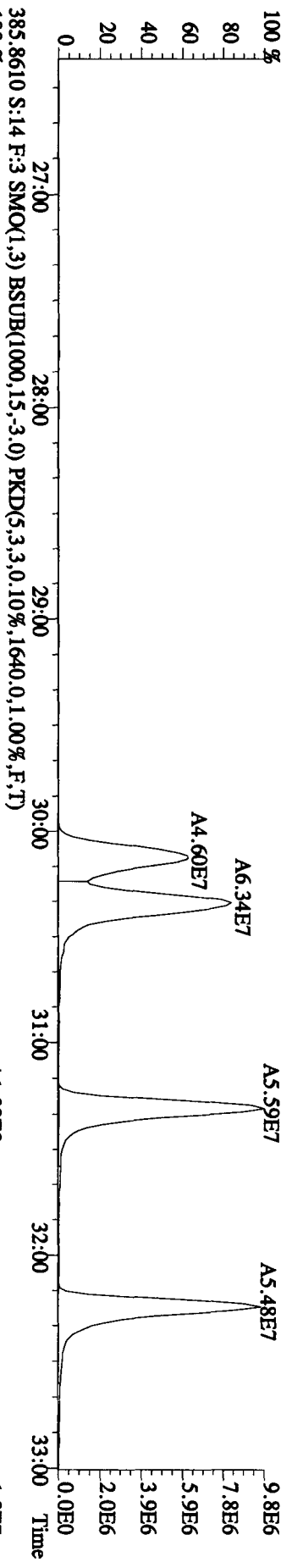
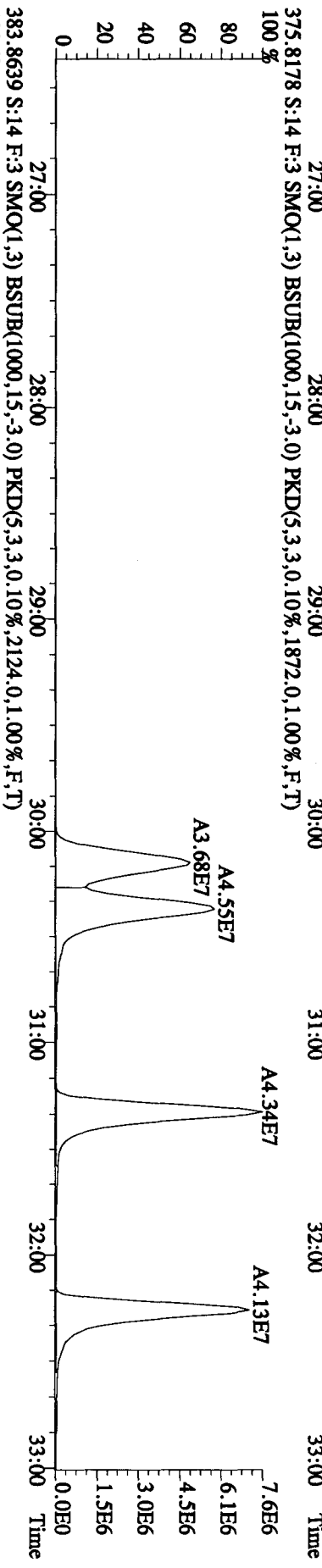
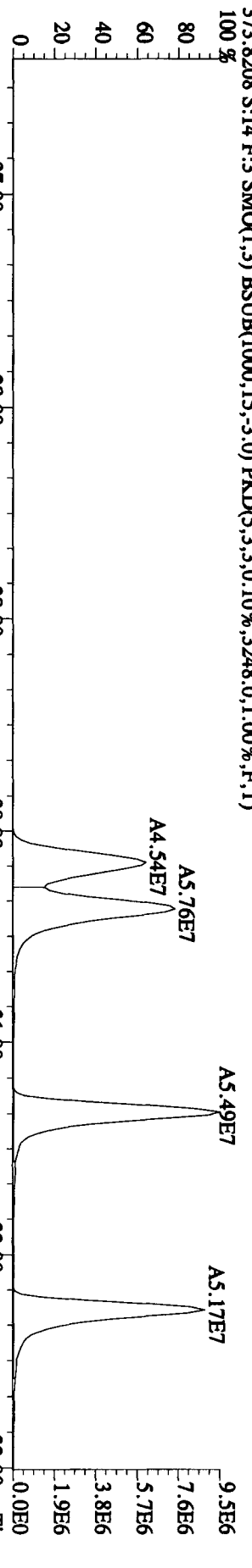
353.8970 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7260.0,1.00%,F,T) 100% A8.81E7 A9.42E7



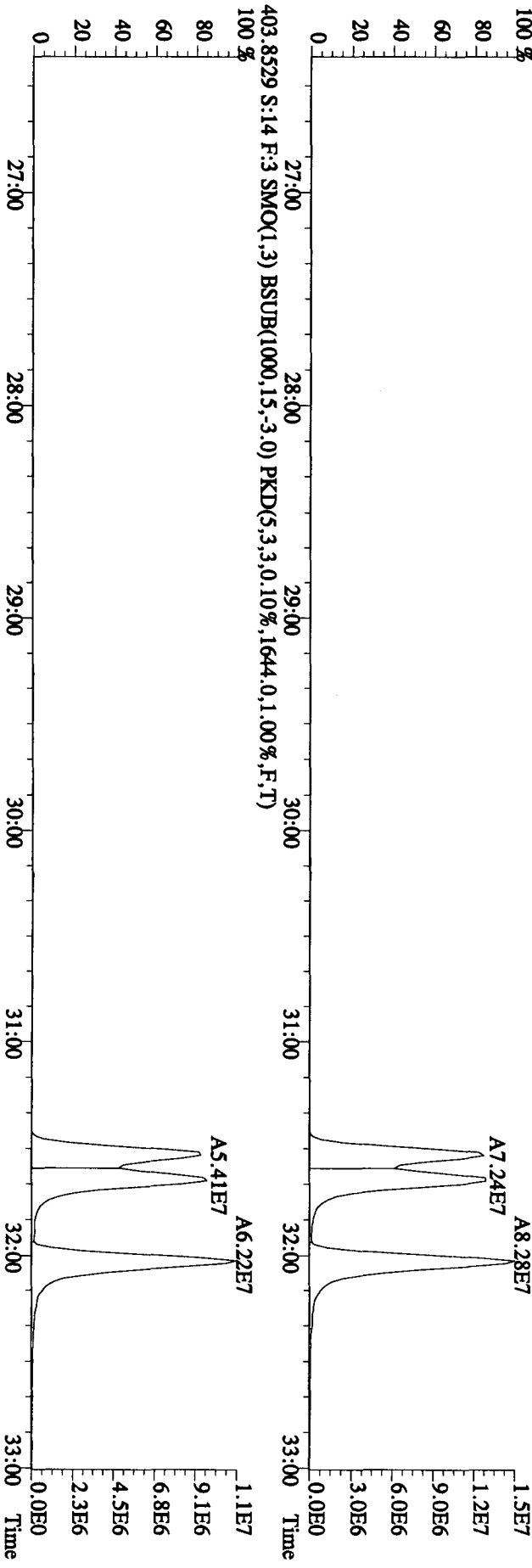
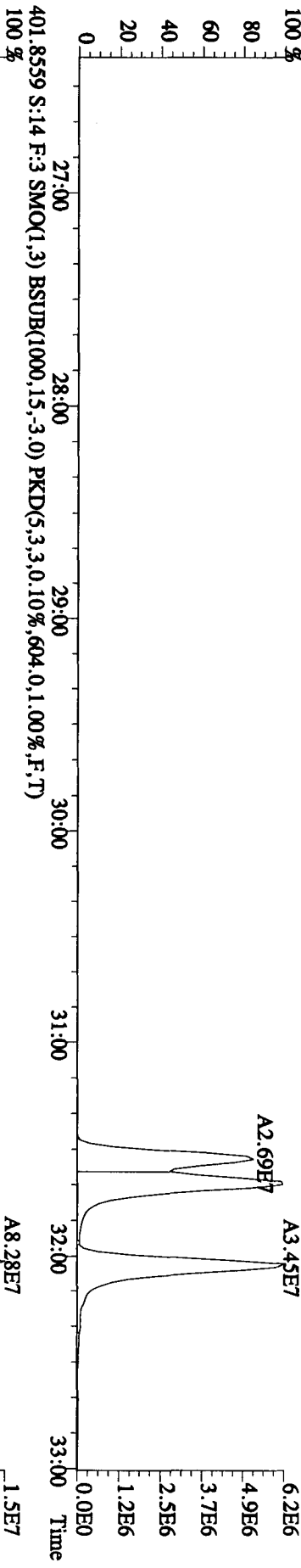
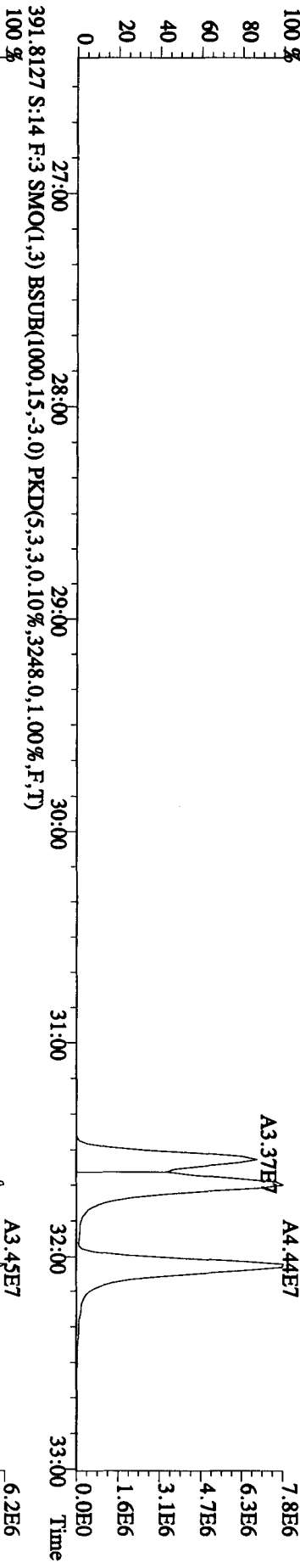


File:26AP10AID5 #1-444 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 355.8546 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292,0.1,00%,F,T)
 100%

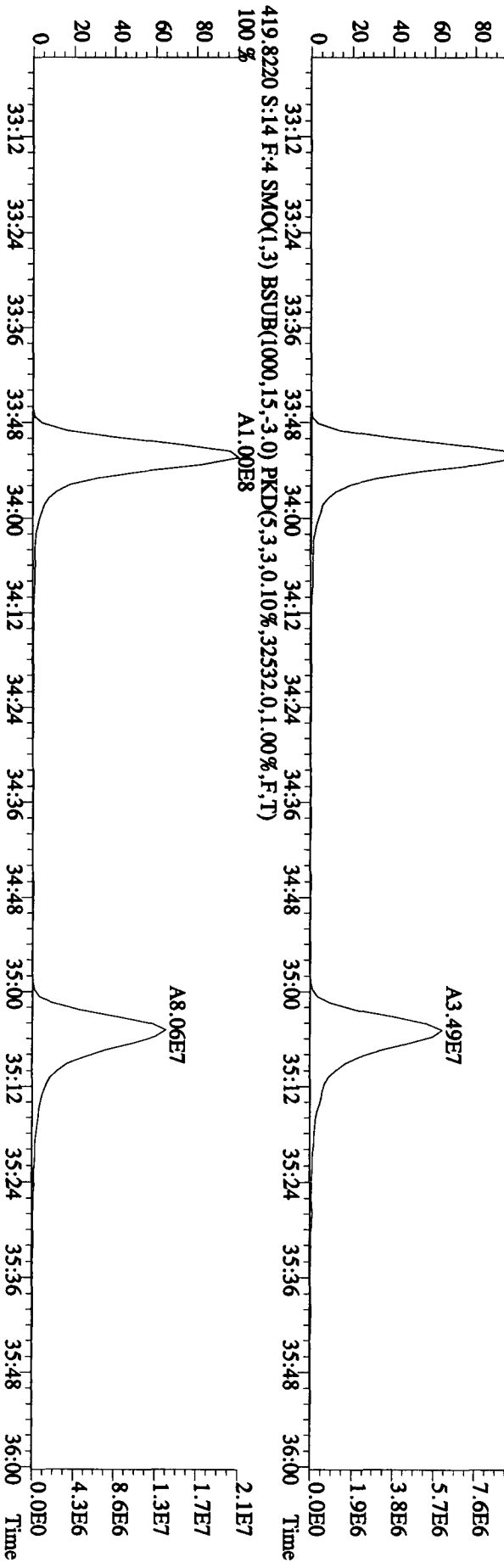
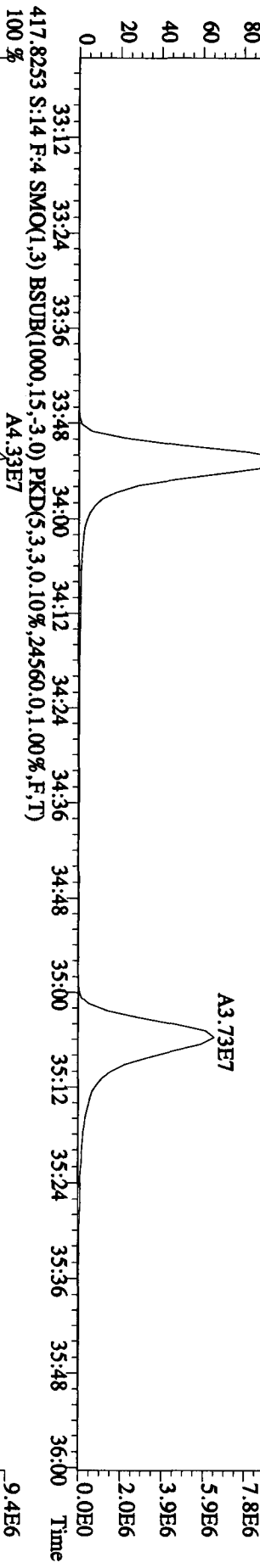
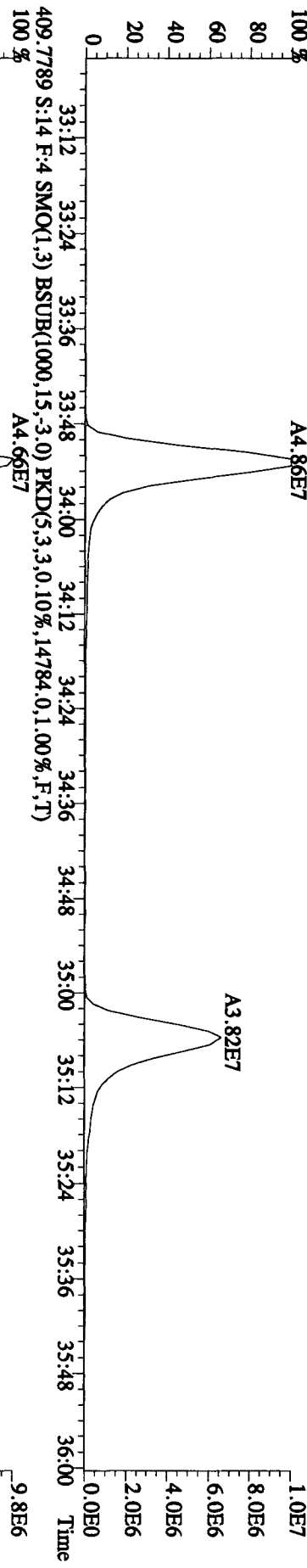




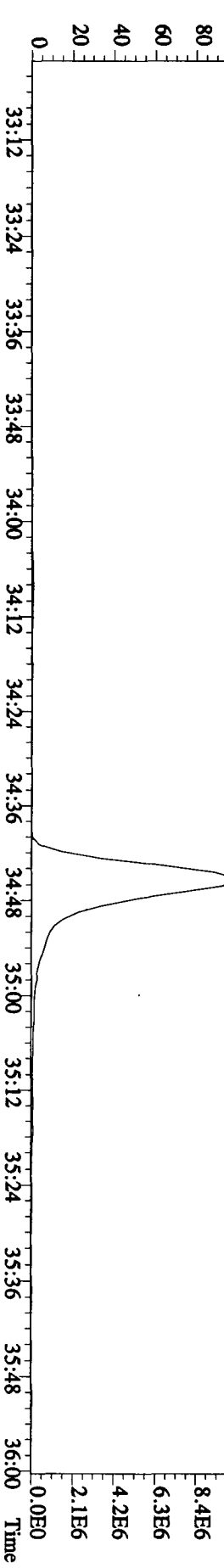
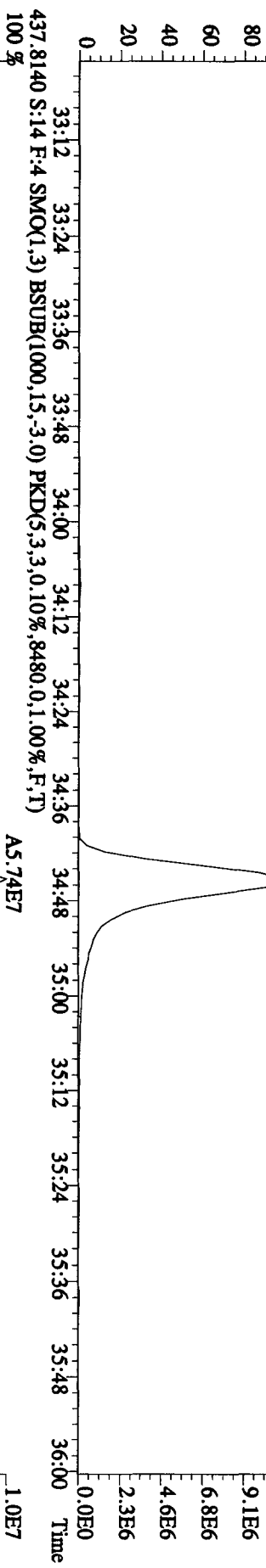
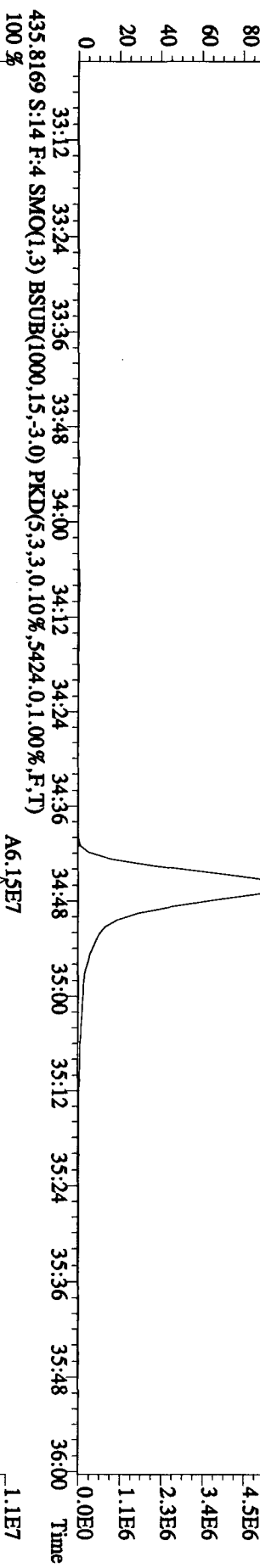
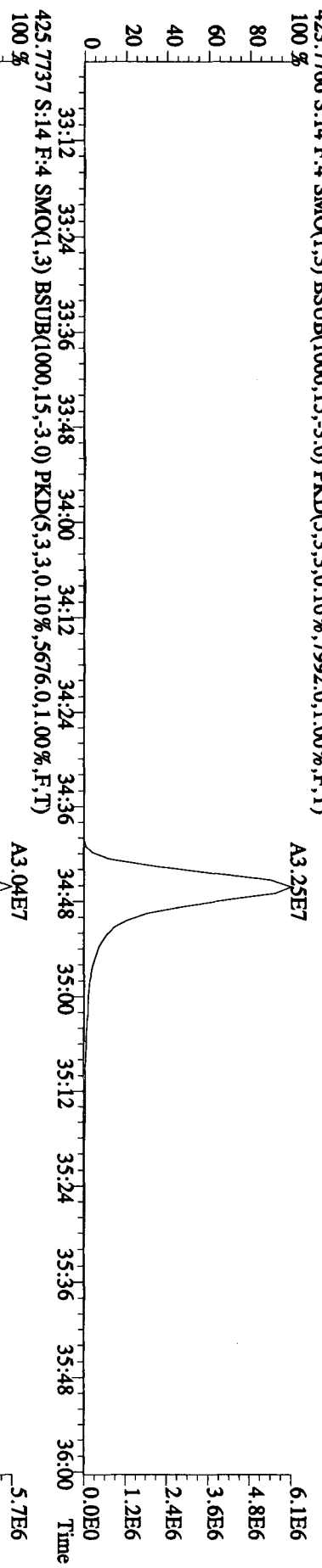
File:26AP10A1D5 #1-447 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284,0,1.00%,F,T)
 100 %



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)



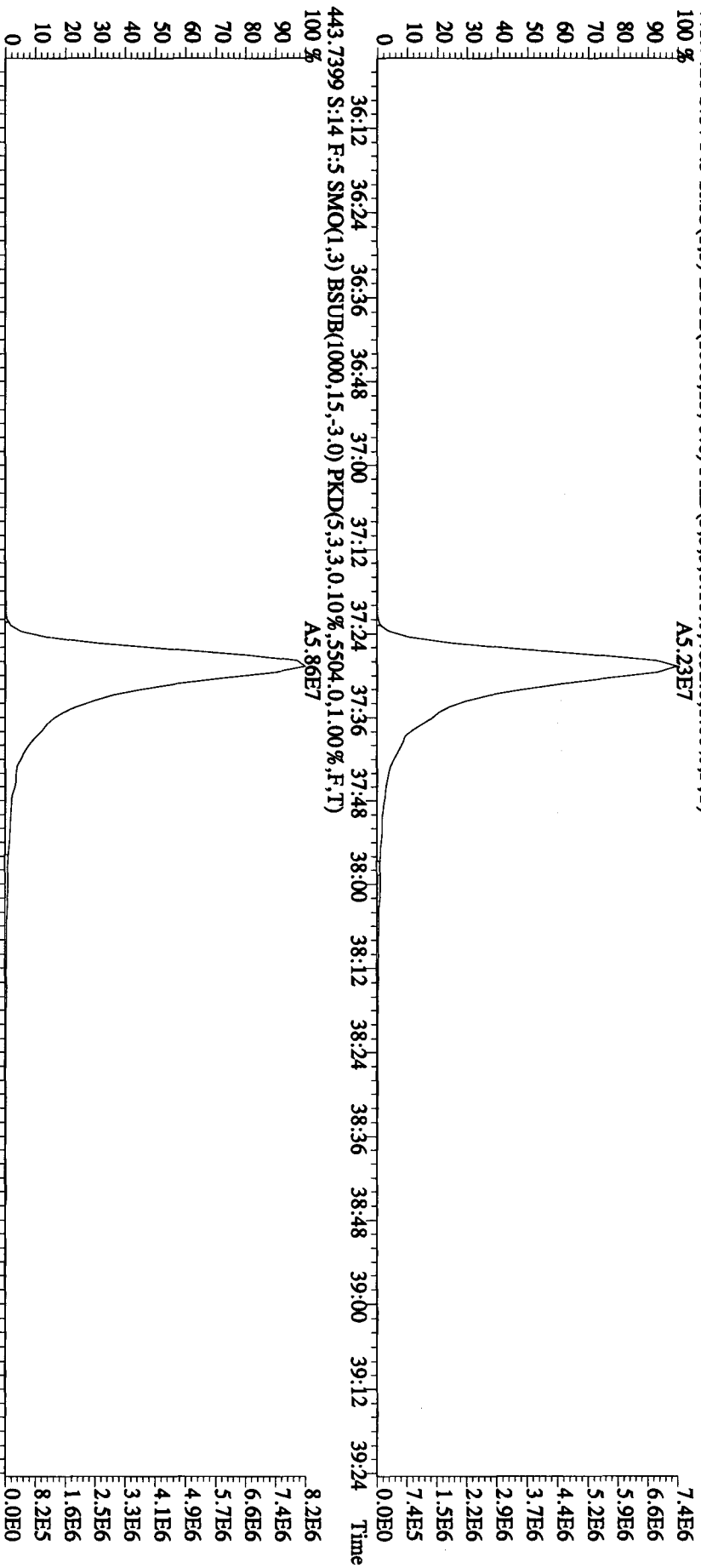
File:26API01A1D5 #1-210 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
423.7766 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7992.0,1.00%,F,T)



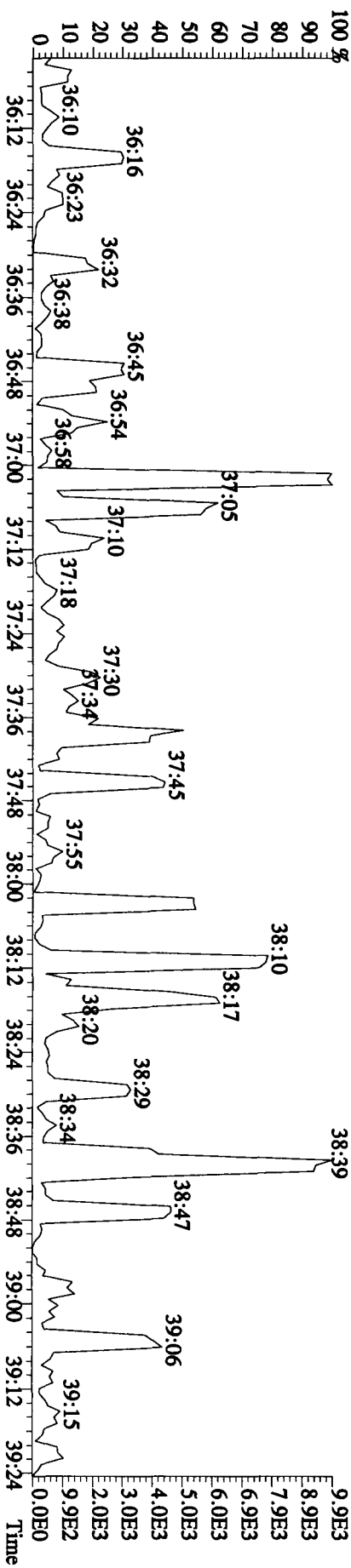
File:26AP10A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 IODXN111 Exp:DIOXIN

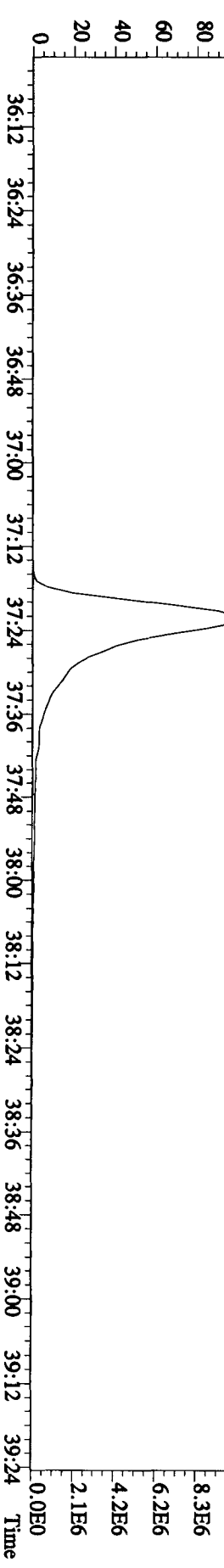
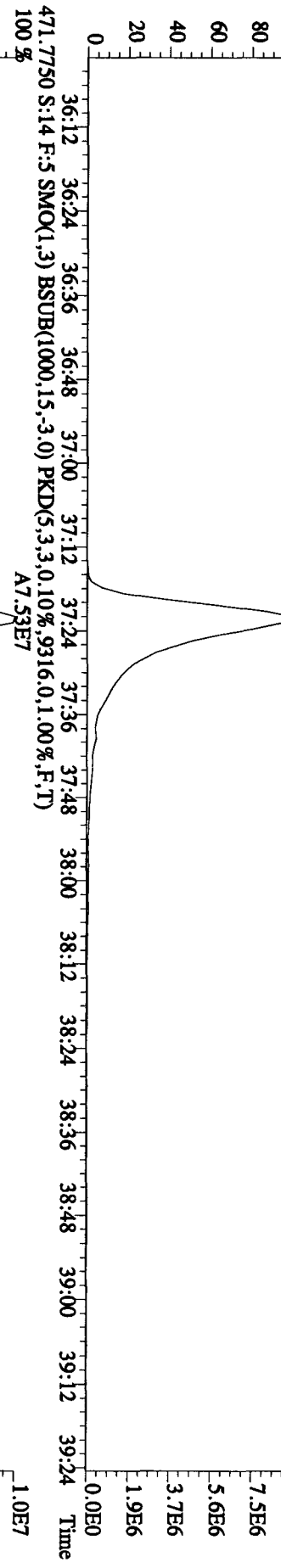
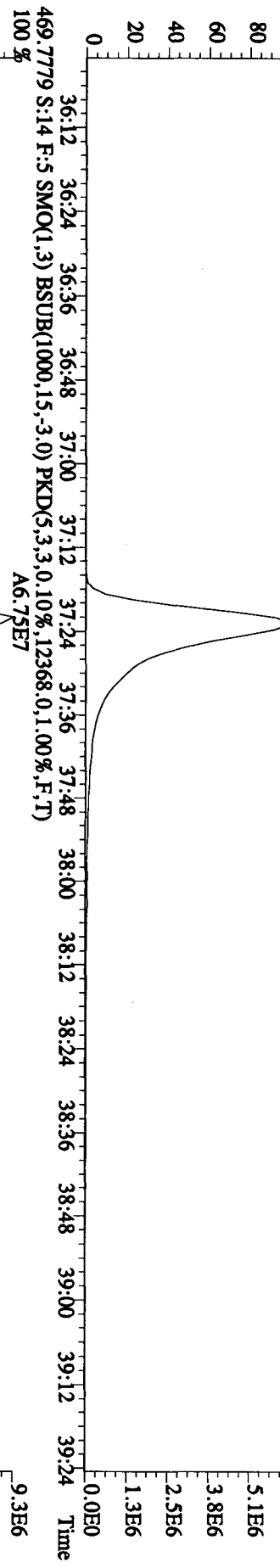
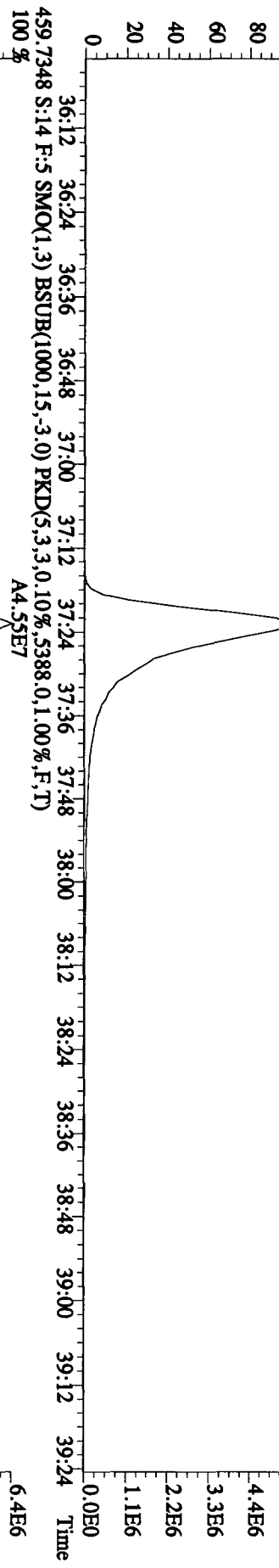
441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0.10%,4832.0,1.00%,F,T) A5.23E7



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

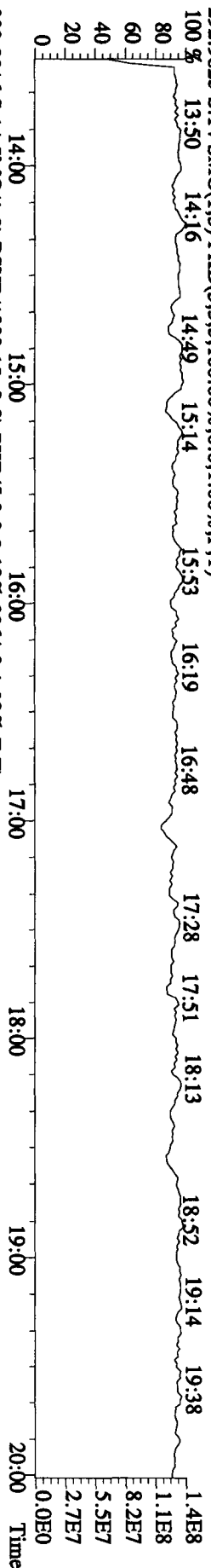


Sample#14 Text:ST0426C :CS3 IODXN111 Exp:DIOXIN
457.7377 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)

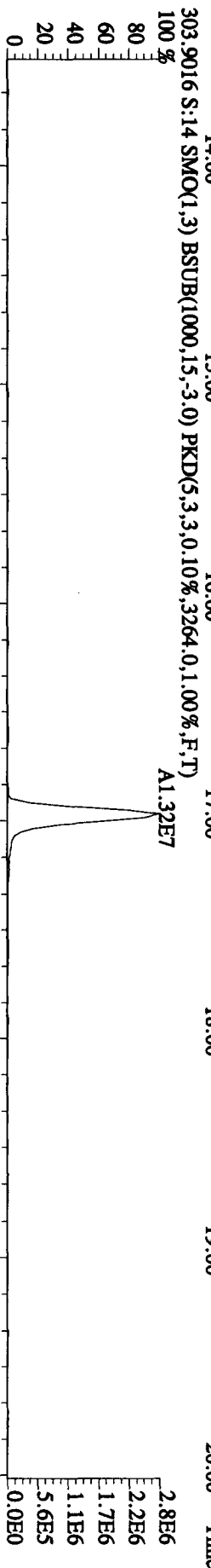


Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

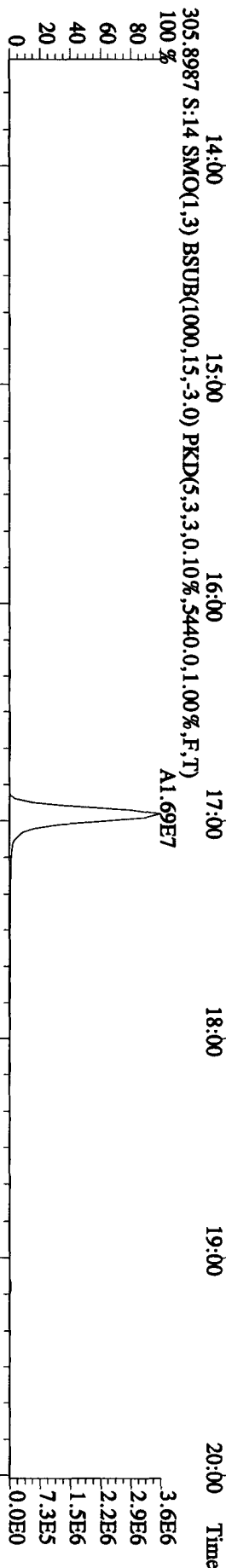
292.9825 S:14 SMO(1.3) PKD(5.3,5.100.00%,0.0,1.00%,F,T)



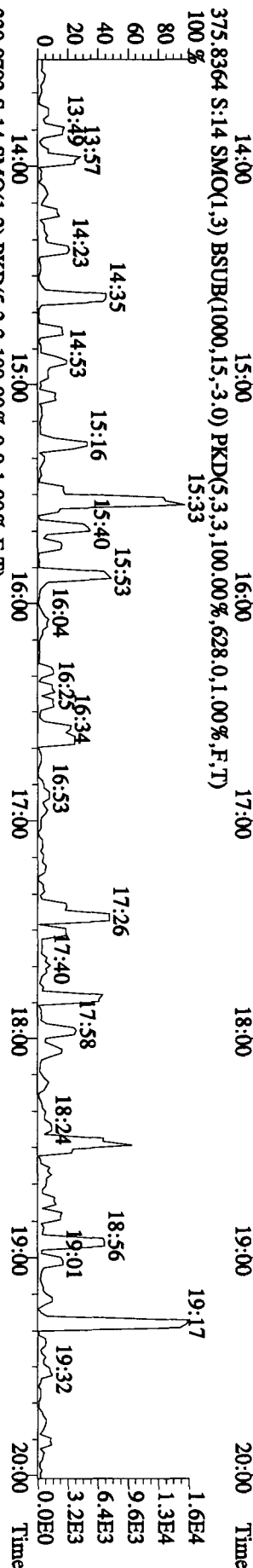
303.9016 S:14 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,0.10%,3264,0.1,0.00%,F,T)



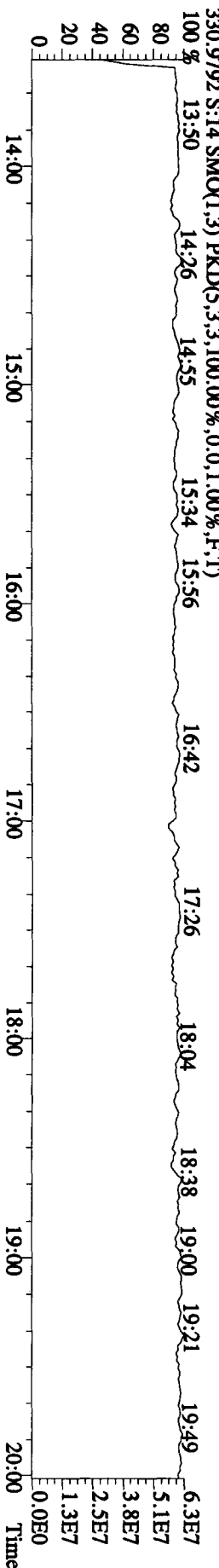
305.8987 S:14 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,5440,0.1,0.00%,F,T)

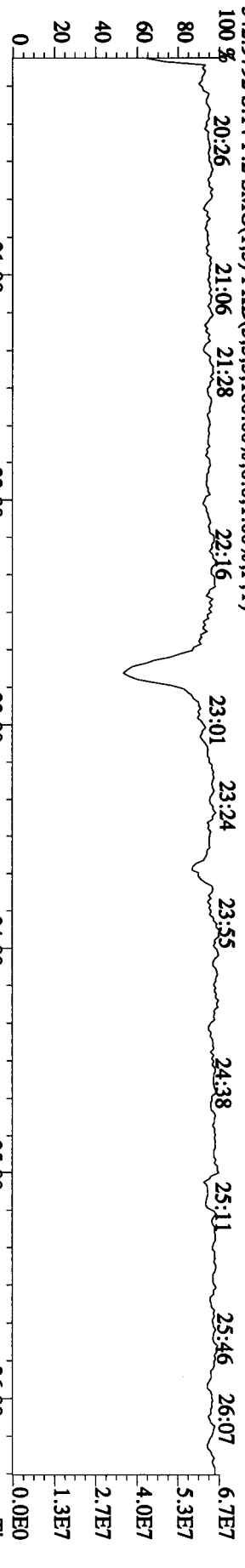


375.8364 S:14 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,628,0.1,0.00%,F,T)

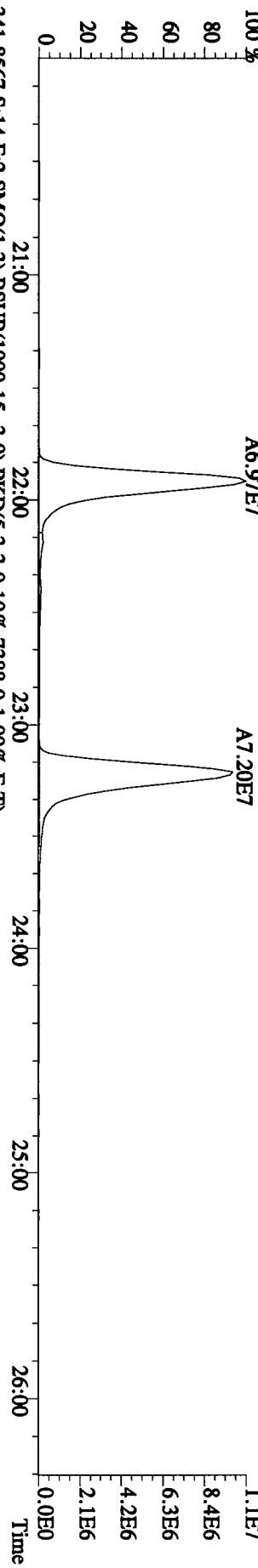


330.9792 S:14 SMO(1.3) PKD(5.3,100.00%,0.0,1.00%,F,T)

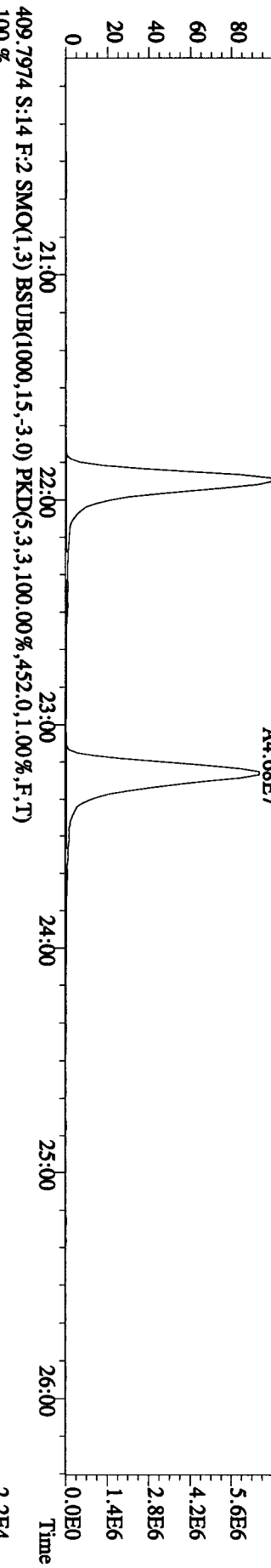




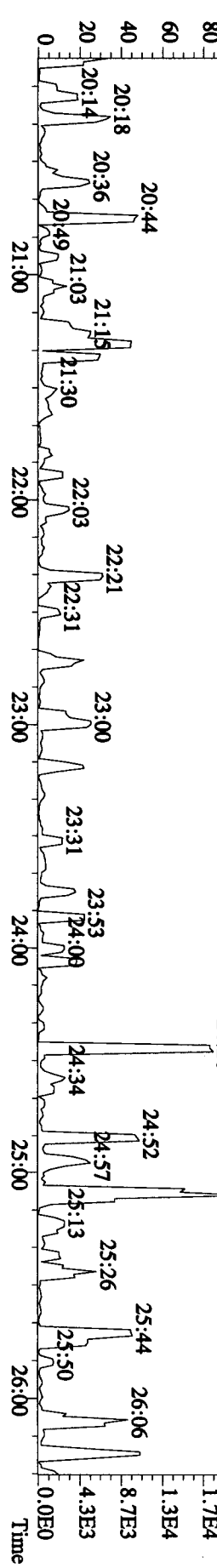
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9652.0,1.00%,F,T)

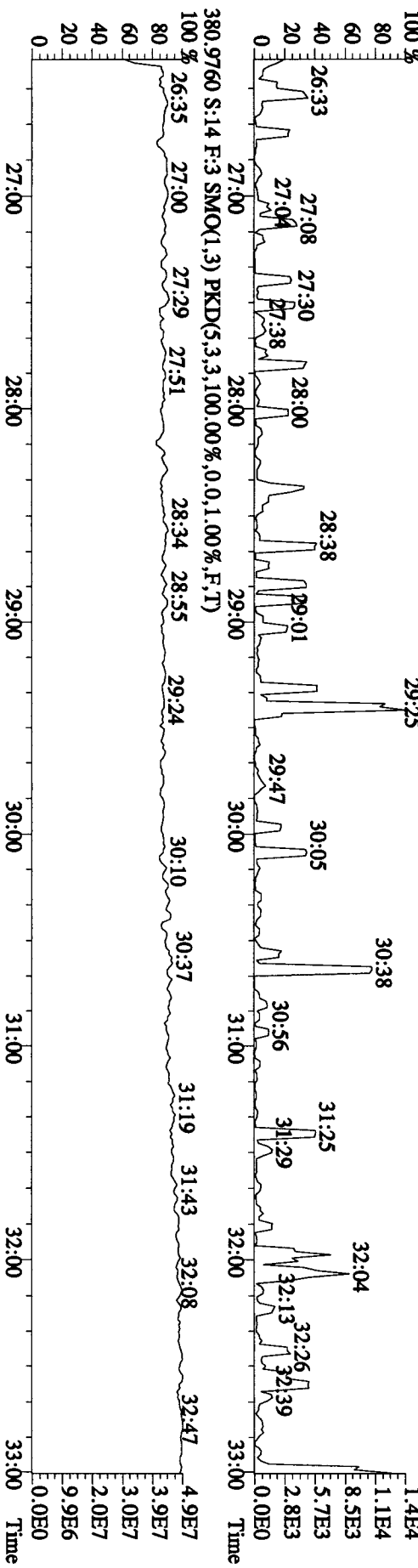
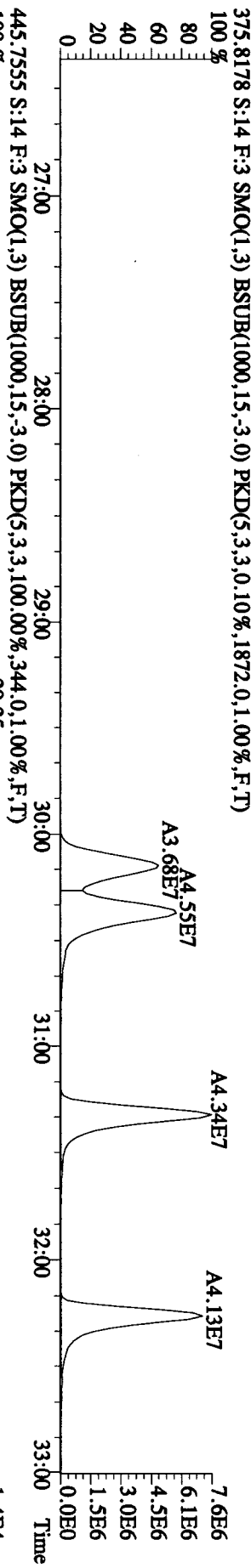
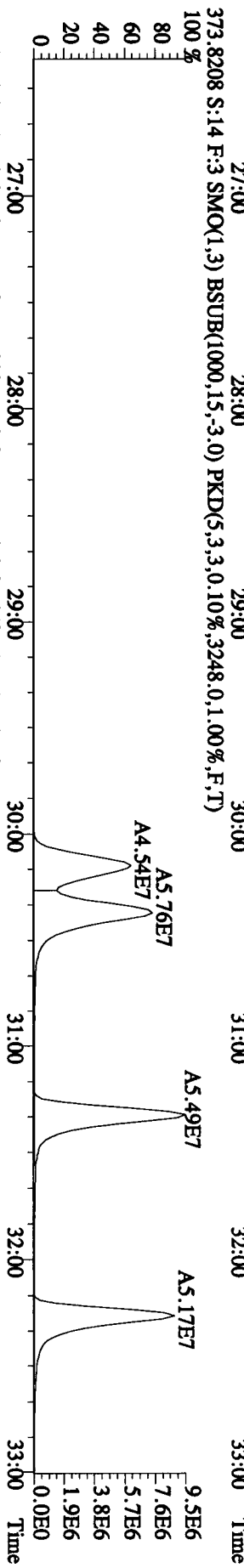
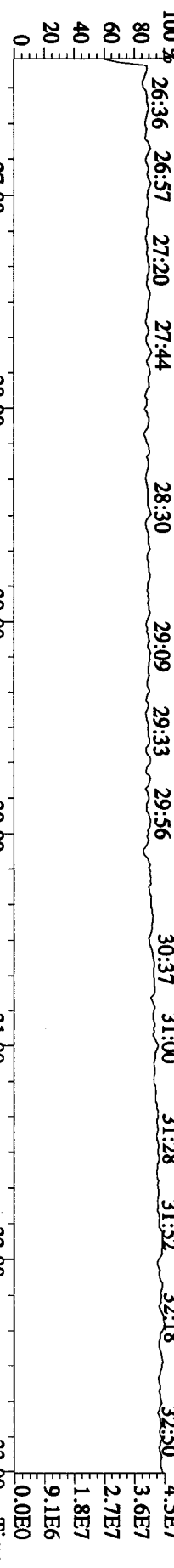


341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T)



409.7974 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,452.0,1.00%,F,T)





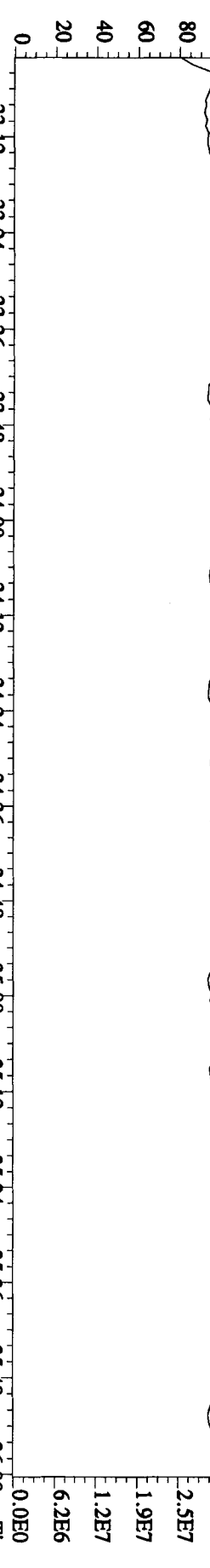
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

430.9728 S:14 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

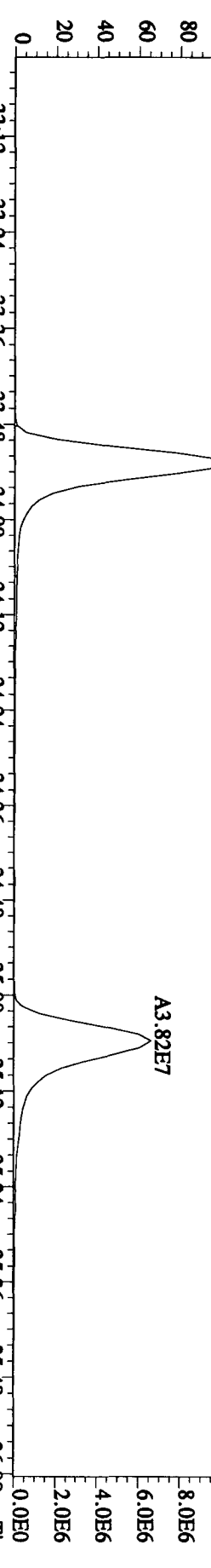
100% 33:21 33:42 33:59 34:12 34:26 34:35

34:54 35:03 35:13 35:23

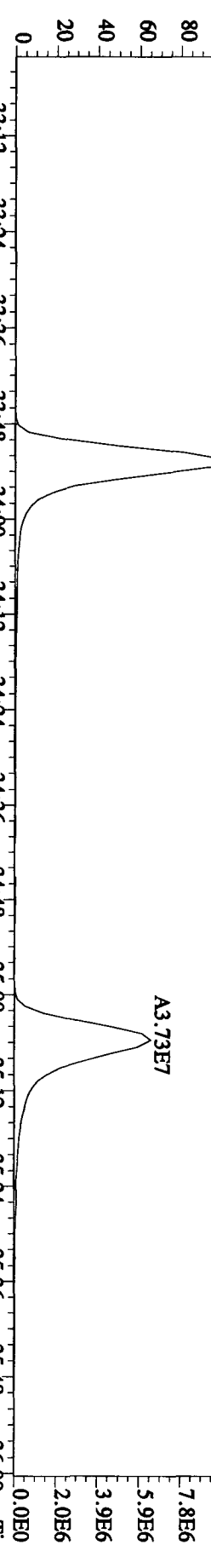
35:46 3.1E7



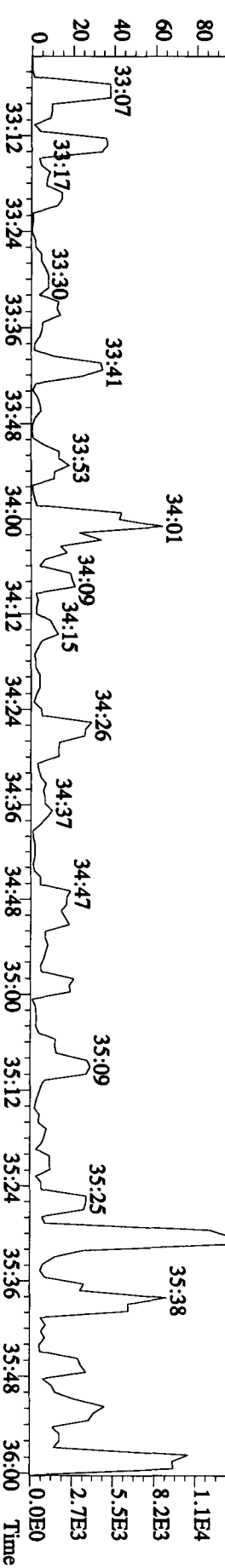
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T) A4.86E7



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) A4.66E7



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)



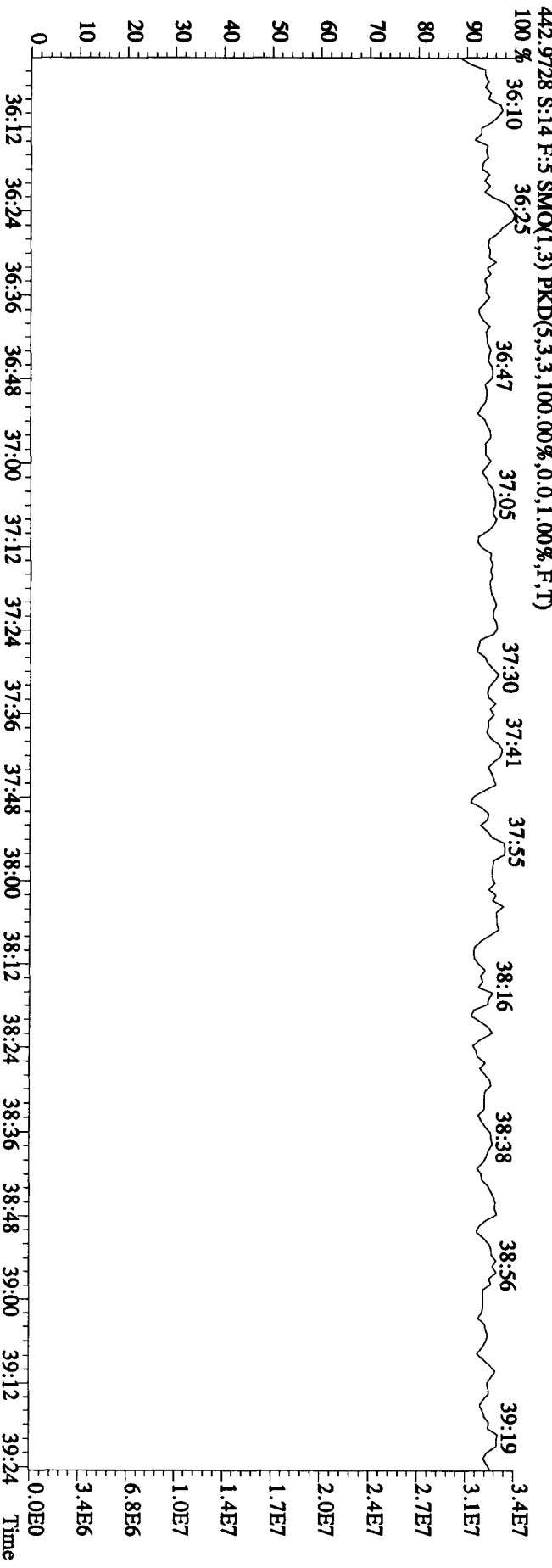
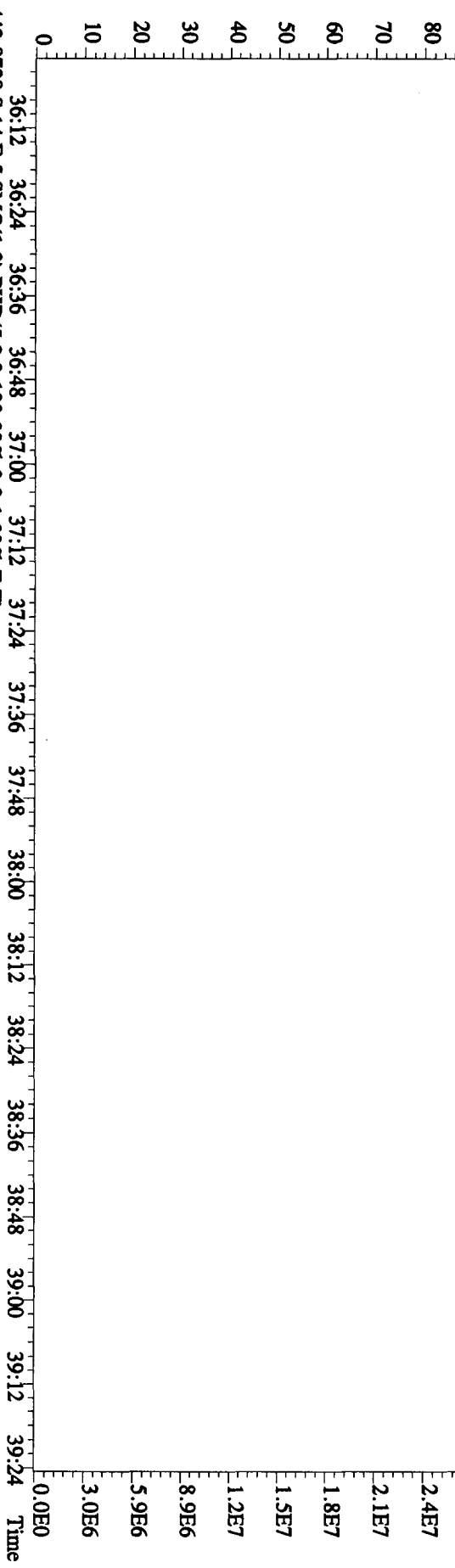
1.4E4
1.1E4
8.2E3
5.5E3
2.7E3
0.0E0

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

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

454.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 36:16 36:32 36:49 37:07 37:21



6

Daily Calibration Checklist Dioxin Methods

Method ID 8290

Associated ICAL 8290A041210405

Column ID DB5

Instrument ID 405

STD ID ST0427, ST0427A

STD Solution 10DX10R3

Analyzed by AM, MG

Date Analyzed 4/27/10, 4/28/10

Std. Pkg. By MG

Date Std. Pkg. Assembled 4/28/10

Std. Pkg. Reviewed By M.G.

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?*	✓	✓
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: ST0427 File text: ST0427 :CS3 10DXN083
 Run #6 Filename 27AP104D5 S: 1 I: 1
 Acquired: 27-APR-10 11:48:26 Processed: 28-APR-10 10:29:02
 Run: 27AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 27AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	190652600	0.81 y	19:31	-	100.00	-	n
13C-2,3,7,8-TCDF	294749000	0.79 y	18:56	1.55	100.00	1.7	n
2,3,7,8-TCDF	28718700	0.81 y	18:57	0.97	10.00	3.1	n
Total TCDF	30382366	0.90 n	17:05	0.97	10.00	3.1	n
13C-2,3,7,8-TCDD	194388400	0.79 y	19:43	1.02	100.00	7.4	n
2,3,7,8-TCDD	18367080	0.79 y	19:44	0.94	10.00	-7.5	n
Total TCDD	19221825	3.57 n	16:38	0.94	10.00	-7.5	n
37Cl-2,3,7,8-TCDD	43517200	1.00 y	19:44	2.28	10.00	0.9	n
13C-1,2,3,7,8-PeCDF	202506800	1.57 y	24:35	1.06	100.00	1.1	n
1,2,3,7,8-PeCDF	101052900	1.56 y	24:37	1.00	50.00	-4.5	n
2,3,4,7,8-PeCDF	98041900	1.53 y	26:06	0.97	50.00	-1.4	n
Total F2 PeCDF	202163143	1.73 y	23:04	0.98	100.00	-3.0	n
Total F1 PeCDF	7733	0.16 n	16:41	0.98	100.00	-3.0	n
13C-1,2,3,7,8-PeCDD	143629700	1.57 y	26:54	0.75	100.00	12.4	n
1,2,3,7,8-PeCDD	66980400	1.57 y	26:56	0.93	50.00	-5.0	n
Total PeCDD	66980400	1.57 y	26:56	0.93	50.00	-5.0	n
13C-1,2,3,7,8,9-HxCDD	146899500	1.29 y	33:06	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	135696100	0.52 y	31:56	0.92	100.00	-9.9	n
1,2,3,4,7,8-HxCDF	84401400	1.22 y	31:57	1.24	50.00	2.6	n
1,2,3,6,7,8-HxCDF	98567200	1.21 y	32:04	1.45	50.00	8.2	n
2,3,4,6,7,8-HxCDF	89033600	1.20 y	32:38	1.31	50.00	7.4	n
1,2,3,7,8,9-HxCDF	81326700	1.24 y	33:17	1.20	50.00	9.7	n
Total HxCDF	353488563	1.79 n	30:47	1.30	200.00	6.9	n
13C-1,2,3,6,7,8-HxCDD	126770600	1.27 y	32:50	0.86	100.00	6.9	n
1,2,3,4,7,8-HxCDD	62241500	1.25 y	32:46	0.98	50.00	-2.5	n
1,2,3,6,7,8-HxCDD	69760000	1.27 y	32:51	1.10	50.00	-1.2	n
1,2,3,7,8,9-HxCDD	74090100	1.26 y	33:07	1.17	50.00	-3.3	n
Total HxCDD	206091600	1.25 y	32:46	1.08	150.00	-2.4	n
13C-1,2,3,4,6,7,8-HpCDF	122842100	0.44 y	34:36	0.84	100.00	-3.1	n
1,2,3,4,6,7,8-HpCDF	78849700	0.95 y	34:37	1.28	50.00	-2.0	n
1,2,3,4,7,8,9-HpCDF	65030700	0.96 y	35:45	1.06	50.00	3.2	n
Total HpCDF	143880400	0.95 y	34:37	1.17	100.00	0.3	n
13C-1,2,3,4,6,7,8-HpCDD	103515400	1.06 y	35:25	0.70	100.00	1.0	n
1,2,3,4,6,7,8-HpCDD	53875600	1.03 y	35:26	1.04	50.00	-2.9	n
Total HpCDD	54121028	1.16 y	34:52	1.04	50.00	-2.9	n
13C-OCDD	154100300	0.90 y	37:55	0.52	200.00	-1.3	n
OCDF	109103700	0.91 y	38:02	1.42	100.00	-2.0	n
OCDD	87967500	0.89 y	37:55	1.14	100.00	-2.1	n

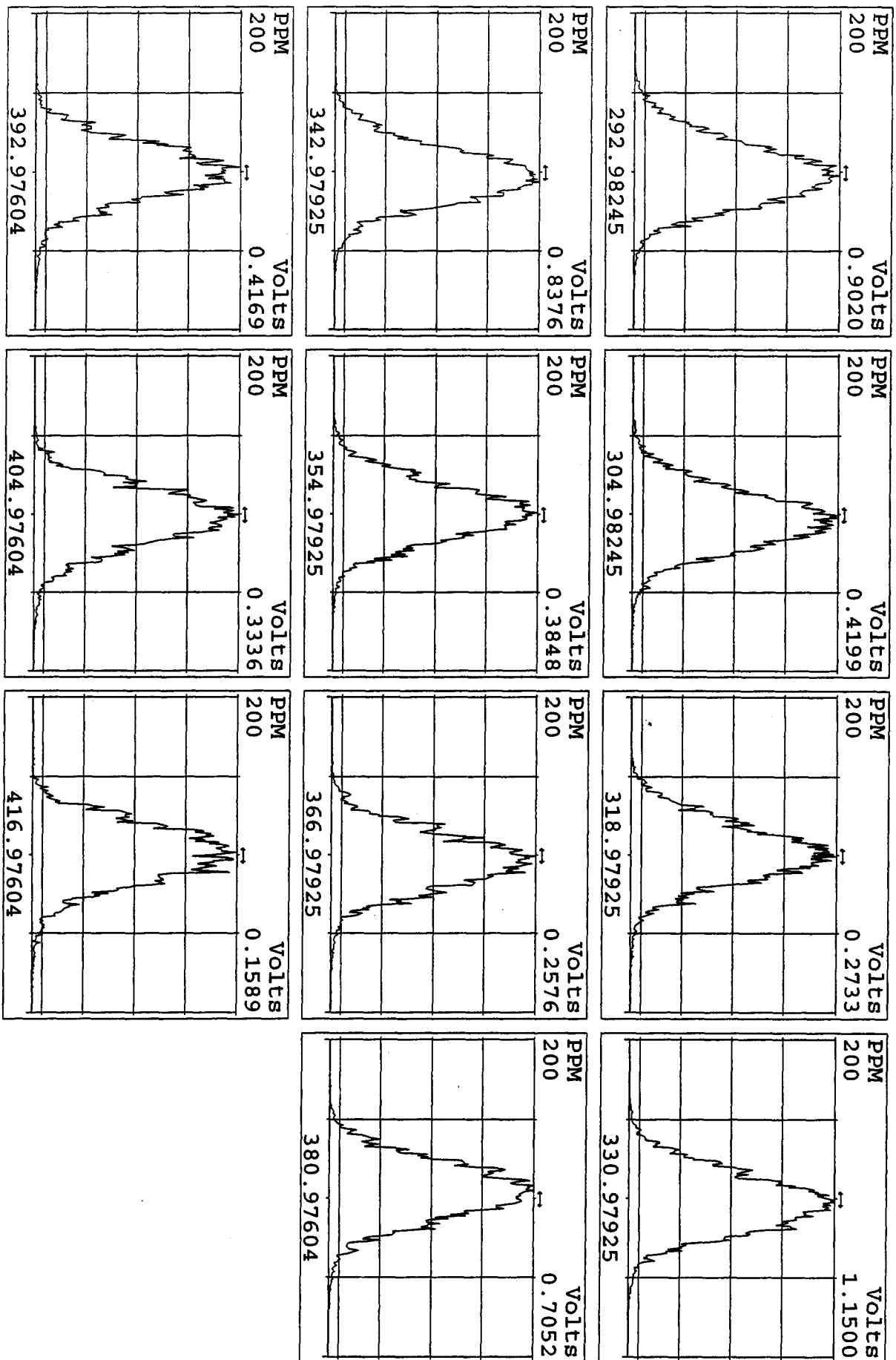
Run text: ST0427A File text: ST0427A :CS3 10DXN083
 Run #21 Filename 27AP104D5 S: 19 I: 1
 Acquired: 28-APR-10 01:05:59 Processed: 28-APR-10 10:34:09
 Run: 27AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 27AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	154589100	0.80 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	228992000	0.78 y	18:55	1.48	100.00	-2.6	n
2,3,7,8-TCDF	22173690	0.80 y	18:56	0.97	10.00	2.4	n
Total TCDF	22699616	0.85 y	17:04	0.97	10.00	2.4	n
13C-2,3,7,8-TCDD	153529700	0.80 y	19:42	0.99	100.00	4.6	n
2,3,7,8-TCDD	14370180	0.77 y	19:43	0.94	10.00	-8.3	n
Total TCDD	14462890	2.21 n	16:38	0.94	10.00	-8.3	n
37Cl-2,3,7,8-TCDD	34746200	1.00 y	19:43	2.25	10.00	-0.6	n
13C-1,2,3,7,8-PeCDF	160886500	1.59 y	24:34	1.04	100.00	-0.9	n
1,2,3,7,8-PeCDF	81046200	1.57 y	24:35	1.01	50.00	-3.6	n
2,3,4,7,8-PeCDF	76880200	1.56 y	26:05	0.96	50.00	-2.7	n
Total F2 PeCDF	160542941	1.70 y	23:03	0.98	100.00	-3.1	n
Total F1 PeCDF	39935	0.22 n	16:38	0.98	100.00	-3.1	n
13C-1,2,3,7,8-PeCDD	110987200	1.55 y	26:52	0.72	100.00	7.1	n
1,2,3,7,8-PeCDD	51509900	1.56 y	26:54	0.93	50.00	-5.5	n
Total PeCDD	51856856	1.56 y	26:54	0.93	50.00	-5.5	n
13C-1,2,3,7,8,9-HxCDD	109756700	1.27 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	99427600	0.52 y	31:55	0.91	100.00	-11.6	n
1,2,3,4,7,8-HxCDF	61240900	1.19 y	31:56	1.23	50.00	1.6	n
1,2,3,6,7,8-HxCDF	74801500	1.22 y	32:03	1.50	50.00	12.1	n
2,3,4,6,7,8-HxCDF	68391900	1.22 y	32:37	1.38	50.00	12.6	n
1,2,3,7,8,9-HxCDF	60886900	1.21 y	33:16	1.22	50.00	12.1	n
Total HxCDF	265478528	0.79 n	30:45	1.33	200.00	9.6	n
13C-1,2,3,6,7,8-HxCDD	95804100	1.26 y	32:49	0.87	100.00	8.2	n
1,2,3,4,7,8-HxCDD	47357500	1.25 y	32:45	0.99	50.00	-1.8	n
1,2,3,6,7,8-HxCDD	52297700	1.30 y	32:50	1.09	50.00	-2.0	n
1,2,3,7,8,9-HxCDD	55289100	1.27 y	33:06	1.15	50.00	-4.5	n
Total HxCDD	154944300	1.25 y	32:45	1.08	150.00	-2.9	n
13C-1,2,3,4,6,7,8-HpCDF	88602800	0.43 y	34:35	0.81	100.00	-6.4	n
1,2,3,4,6,7,8-HpCDF	58040100	0.97 y	34:36	1.31	50.00	0.0	n
1,2,3,4,7,8,9-HpCDF	44738500	0.98 y	35:44	1.01	50.00	-1.5	n
Total HpCDF	103258657	0.97 y	34:36	1.16	100.00	-0.7	n
13C-1,2,3,4,6,7,8-HpCDD	72019600	1.08 y	35:24	0.66	100.00	-5.9	n
1,2,3,4,6,7,8-HpCDD	36979100	1.04 y	35:25	1.03	50.00	-4.2	n
Total HpCDD	37184747	1.07 y	34:51	1.03	50.00	-4.2	n
13C-OCDD	101375300	0.90 y	37:54	0.46	200.00	-13.1	n
OCDF	70200900	0.90 y	38:01	1.38	100.00	-4.2	n
OCDD	57825400	0.89 y	37:55	1.14	100.00	-2.2	n

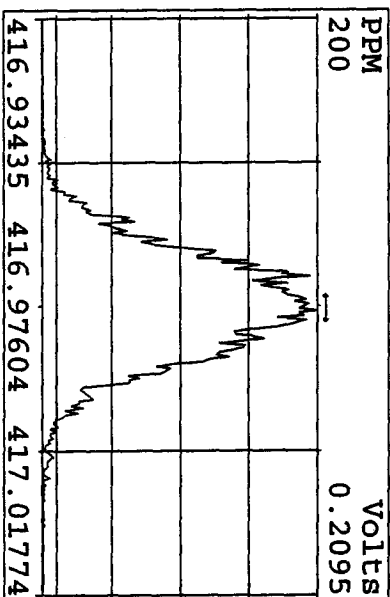
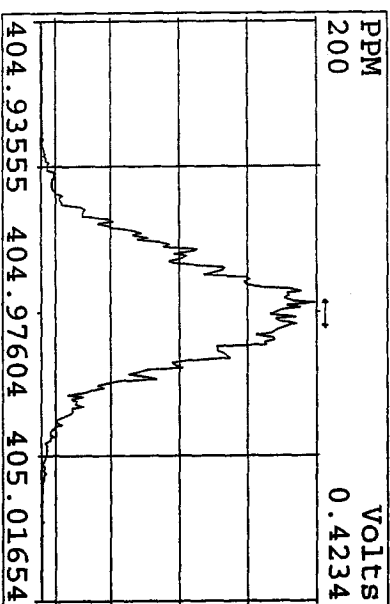
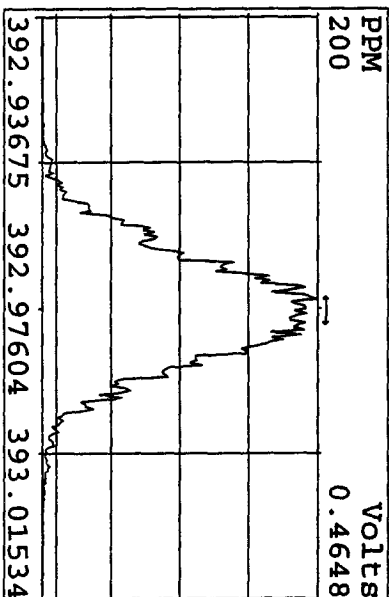
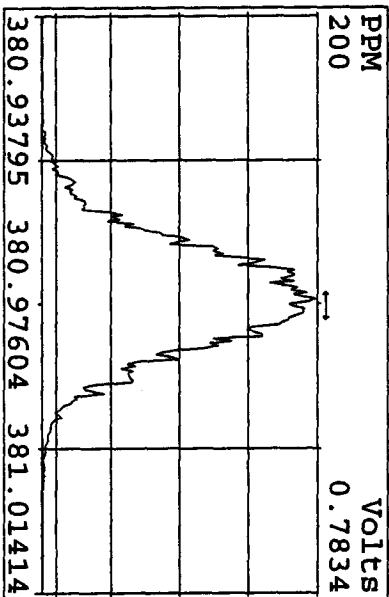
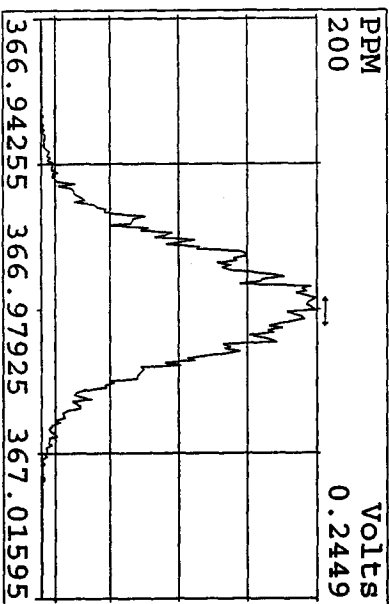
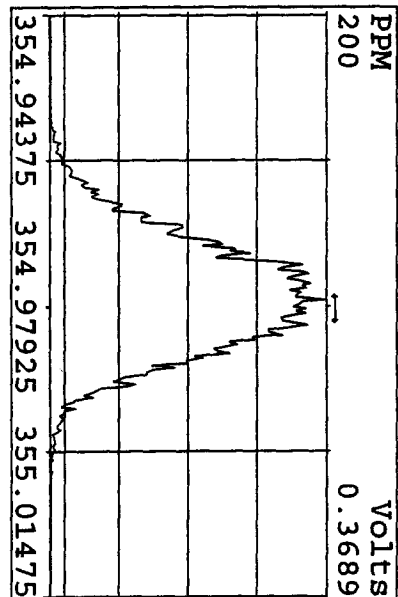
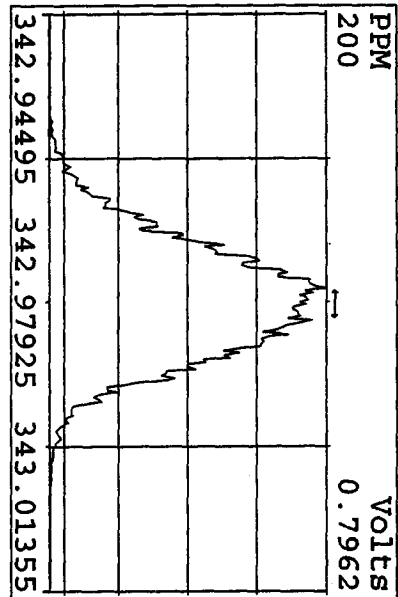
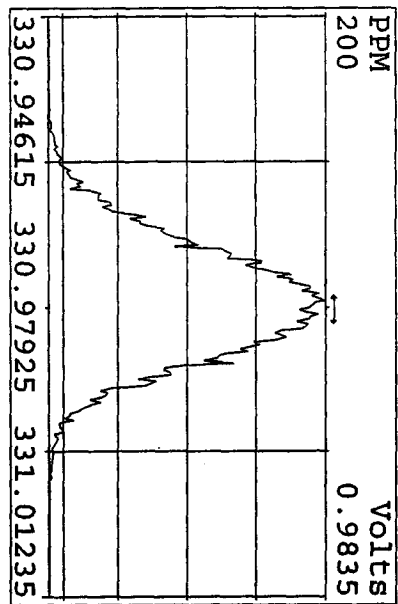
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
27AP104D5	1	ST0427	CS3 10DXN083				1.00000	
27AP104D5	2	CP0427	DB-5 CPSM 3732-05				1.00000	
27AP104D5	3	SB0427	Solvent Blank C-14				1.00000	
27AP104D5	4	L0CQF-1-AA	GOD220000-242B	20	8290/SOLID	79	1.00000	L
27AP104D5	5	L0CQF-1-AD	GOD220000-242B	20	8290/SOLID		1.00000	L
27AP104D5	6	L0CQF-1-AC	GOD220000-242C	20	8290/SOLID		1.00000	L
27AP104D5	7	LXXKG-1-AD	GOD140422-1	10	8290/SOLID	73	10.32000	g
27AP104D5	8	LXXKQ-1-AD	GOD140422-3	10	8290/SOLID		10.22000	g
27AP104D5	9	LXXKG-1-AD	GOD140422-1 RI	10	8290/SOLID		10.32000	g
27AP104D5	10	LXXKW-1-AD	GOD140422-5	10	8290/SOLID		10.21000	g
27AP104D5	11	LXXK4-1-AD	GOD140422-7	10	8290/SOLID		10.10000	g
27AP104D5	12	LXXLD-1-AD	GOD140422-9	10	8290/SOLID		10.24000	g
27AP104D5	13	LXXLV-1-AD	GOD140422-11	10	8290/SOLID		10.04000	g
27AP104D5	14	LXXTR-1-AD	GOD140435-4	10	8290/SOLID	75	10.03000	g
27AP104D5	15	LXXQX-1-AD	GOD140435-1	10	8290/SOLID		10.58000	g
27AP104D5	16	LXXTC-1-AD	GOD140435-2	10	8290/SOLID		10.32000	g
27AP104D5	17	LX6LV-1-AC	GOD080425-50 (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	GOD210497-1MB	20	8290/WATER	83	1.00000	L
27AP104D5	23	L0JAN-1-ACC	GOD210497-1LCS	20	8290/WATER		1.00000	L
27AP104D5	24	L0FPW-1-AE	GOD230544-1	20	8290/WATER		0.99830	L
27AP104D5	25	L0FVA-1-AH	GOD230544-2	20	8290/WATER		1.00220	L
27AP104D5	26	L0JDH-1-AAB	GOD080598-1MBRX	20	8290/SOLID	83	10.00000	g
27AP104D5	27	L0JDH-1-ACC	GOD080598-1LCSRX	20	8290/SOLID		10.00000	g
27AP104D5	28	LXPHR-3-AA	GOD080598-1RX	20	8290/SOLID		10.97000	g
27AP104D5	29	LXX4J-3-AA	GOD140468-1RX	20	8290/SOLID		10.03000	g
27AP104D5	30	LXX4V-3-AA	GOD140468-2RX	20	8290/SOLID		10.79000	g
27AP104D5	31	LXX44-3-AA	GOD140468-3RX	20	8290/SOLID		10.00000	g
27AP104D5	32	LXX44-3-ALS	GOD140468-3SRX	20	8290/SOLID		10.62000	g
27AP104D5	33	LXX44-3-AMD	GOD140468-3DRX	20	8290/SOLID		10.22000	g
27AP104D5	34	L0CQF-1-AC	GOD220000-242C 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	GOD080425-50 (20x) RI	10	8290/SOLID	77	10.17000	g
27AP104D5	40	LXX5A-3-AA	GOD140468-4RX	20	8290/SOLID	83	10.06000	g
27AP104D5	41						1.00000	
27AP104D5	42						1.00000	
27AP104D5	43						1.00000	
27AP104D5	44		MG, AM 04/27/10				1.00000	

log file v'd 4/28/10
MG

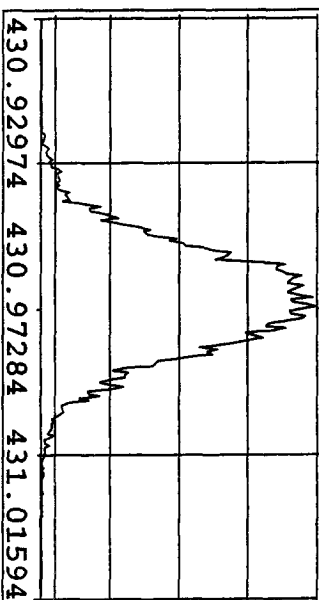
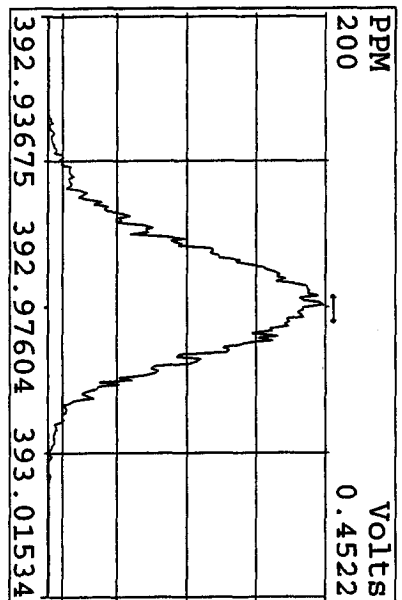
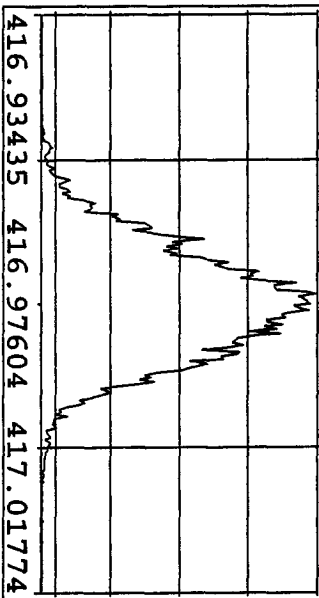
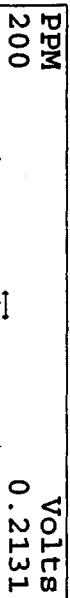
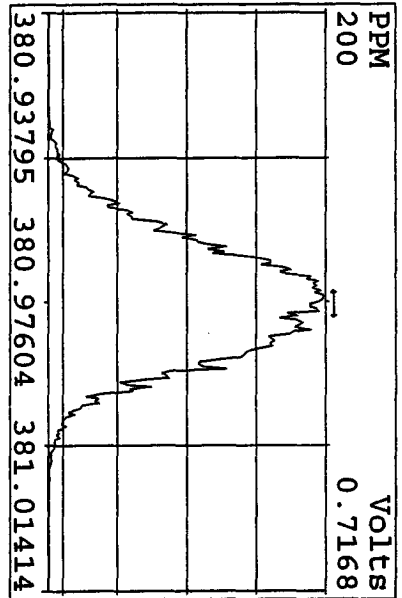
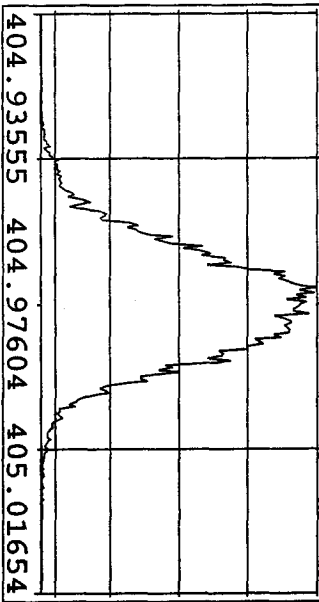
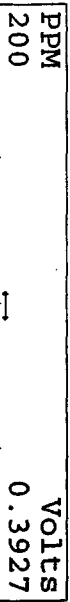
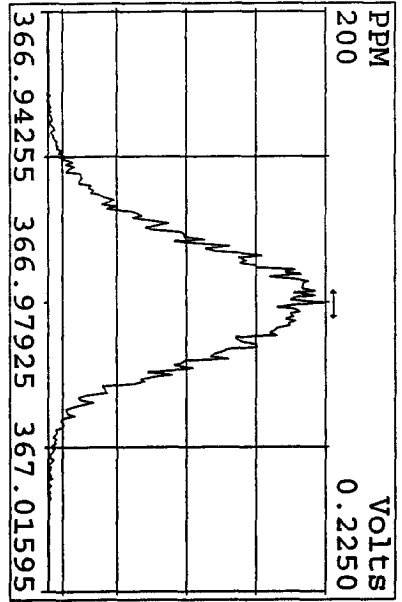
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Experiment: DIOXINRES8290A Function: 1 Reference: PFK



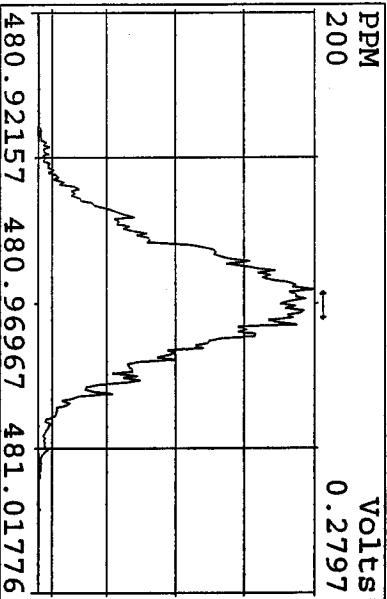
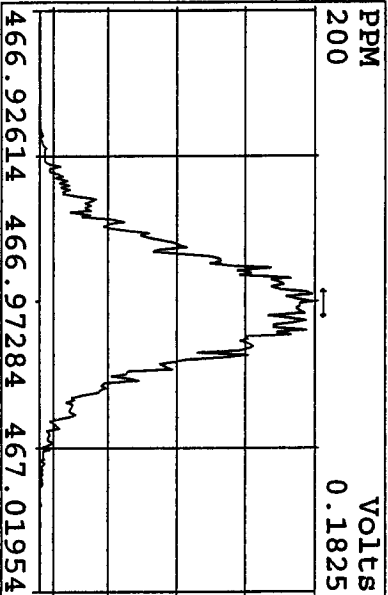
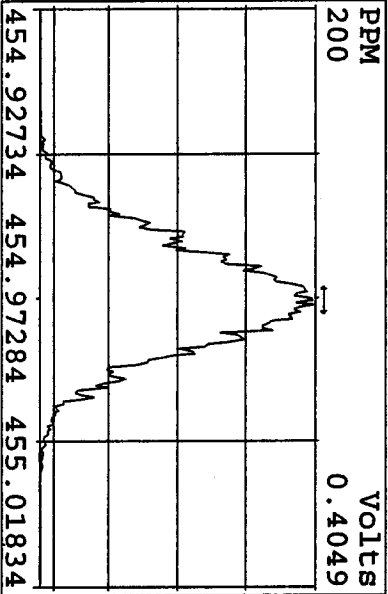
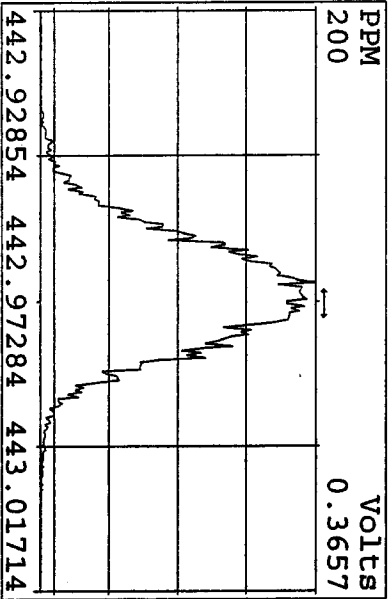
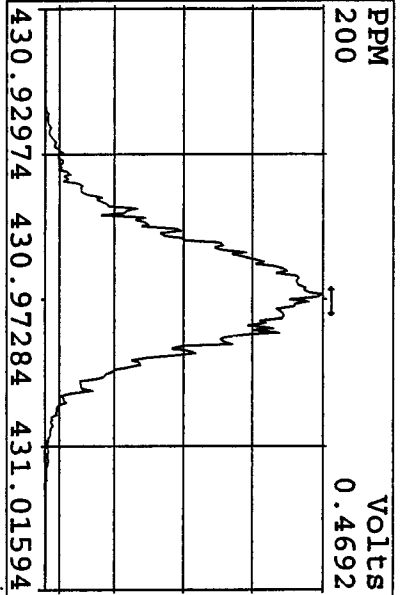
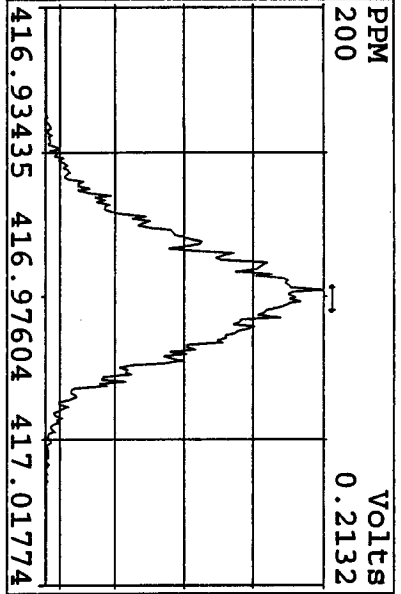
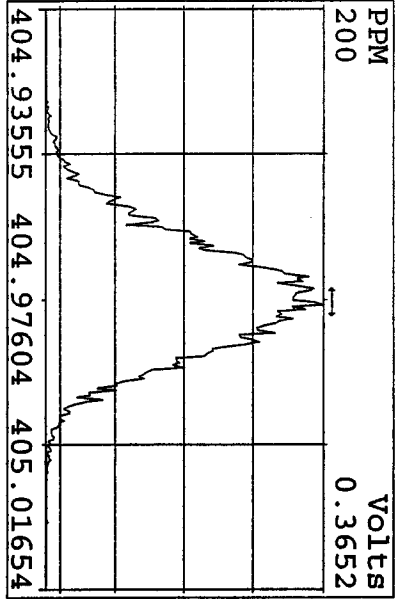
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 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



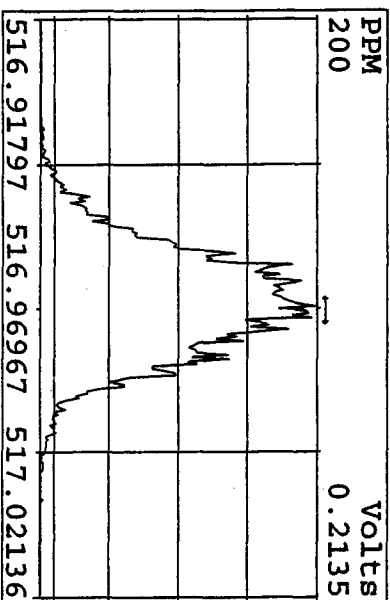
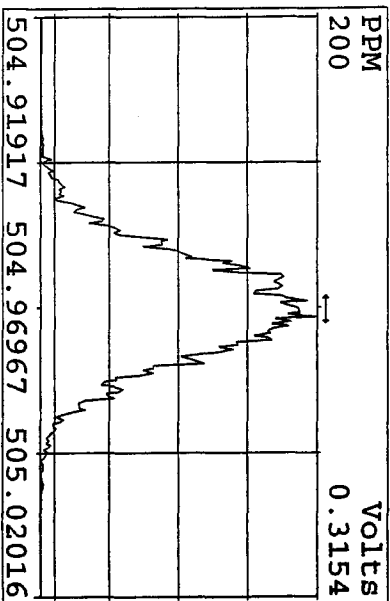
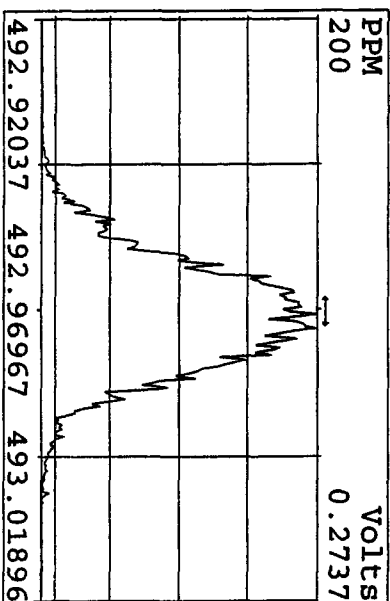
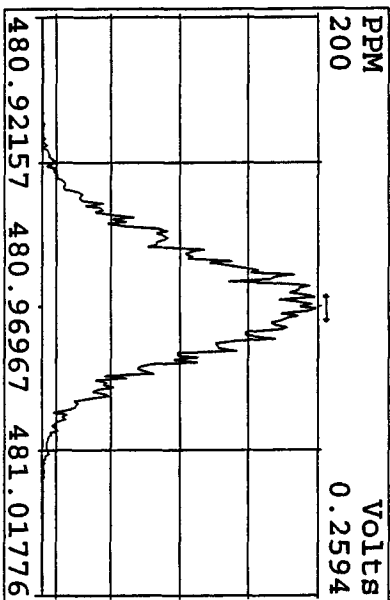
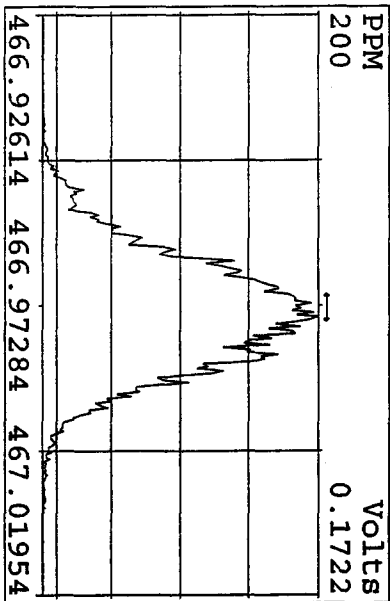
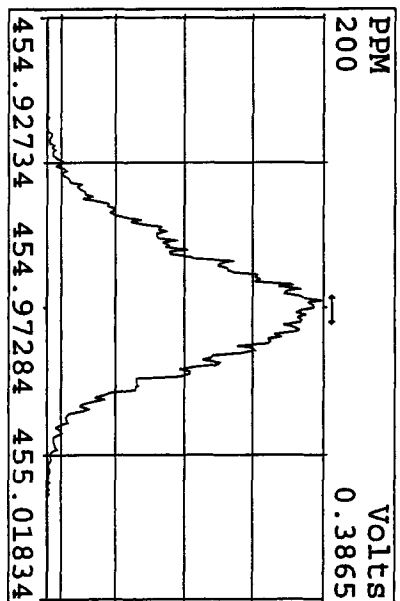
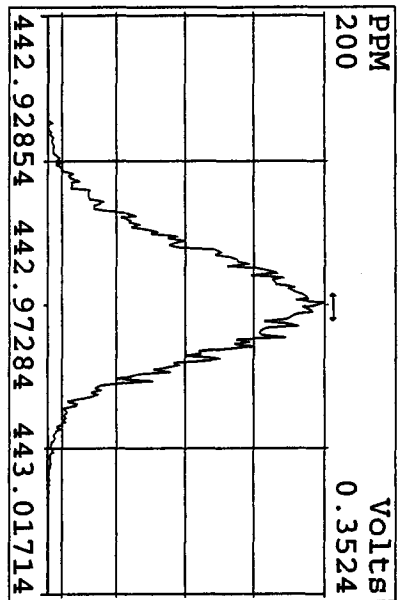
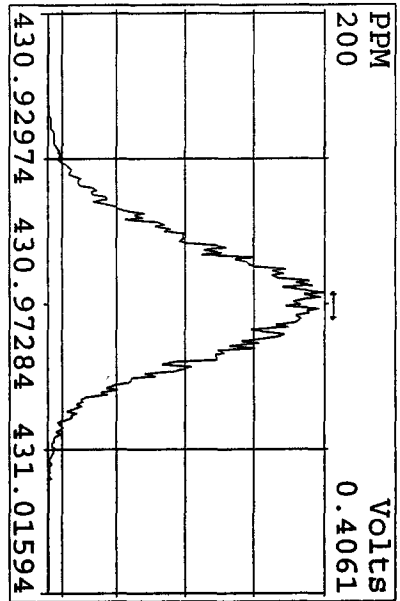
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 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



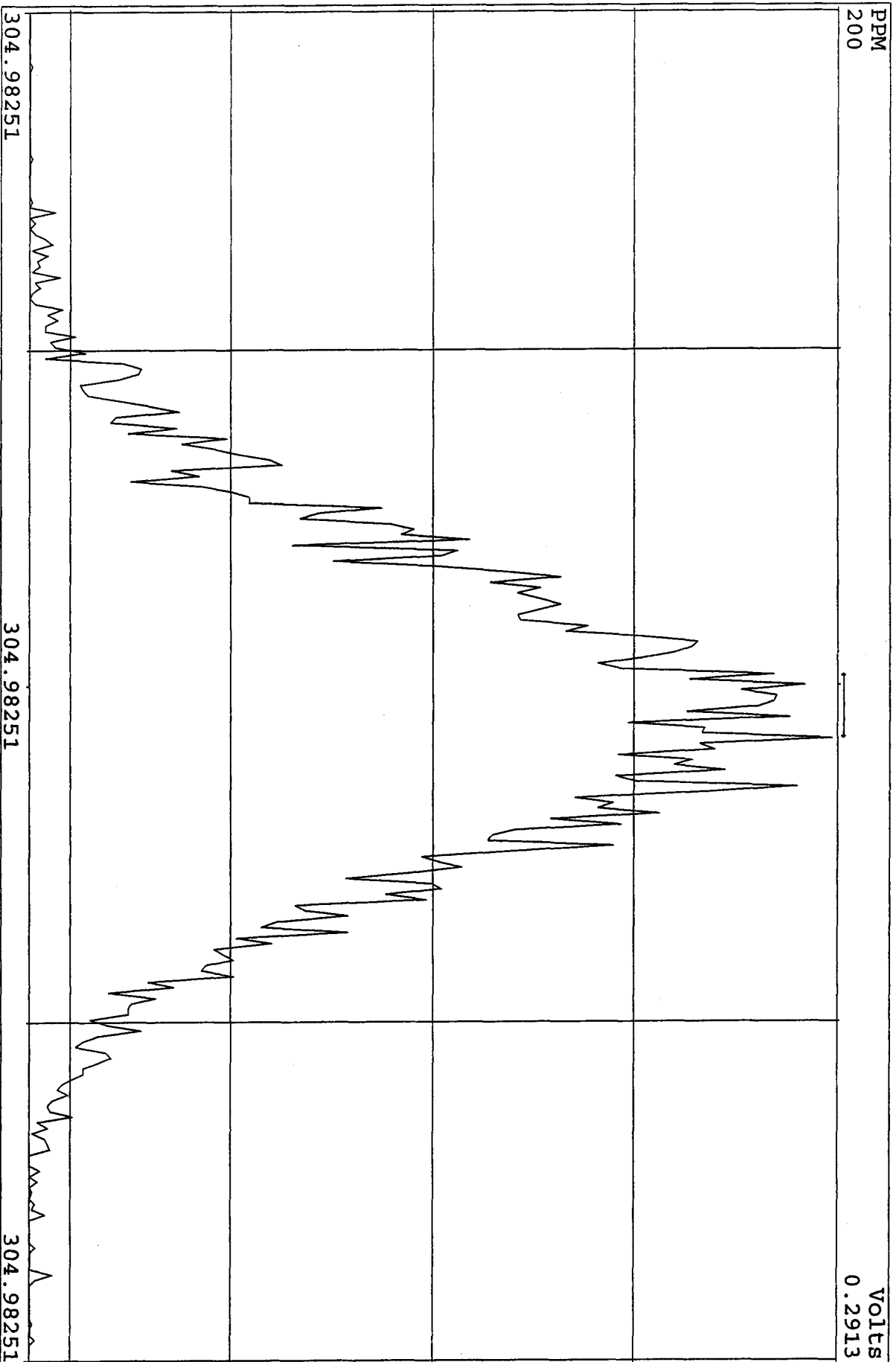
Peak Locate Examination: 27-APR-2010:11:46 File: 27AP104D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



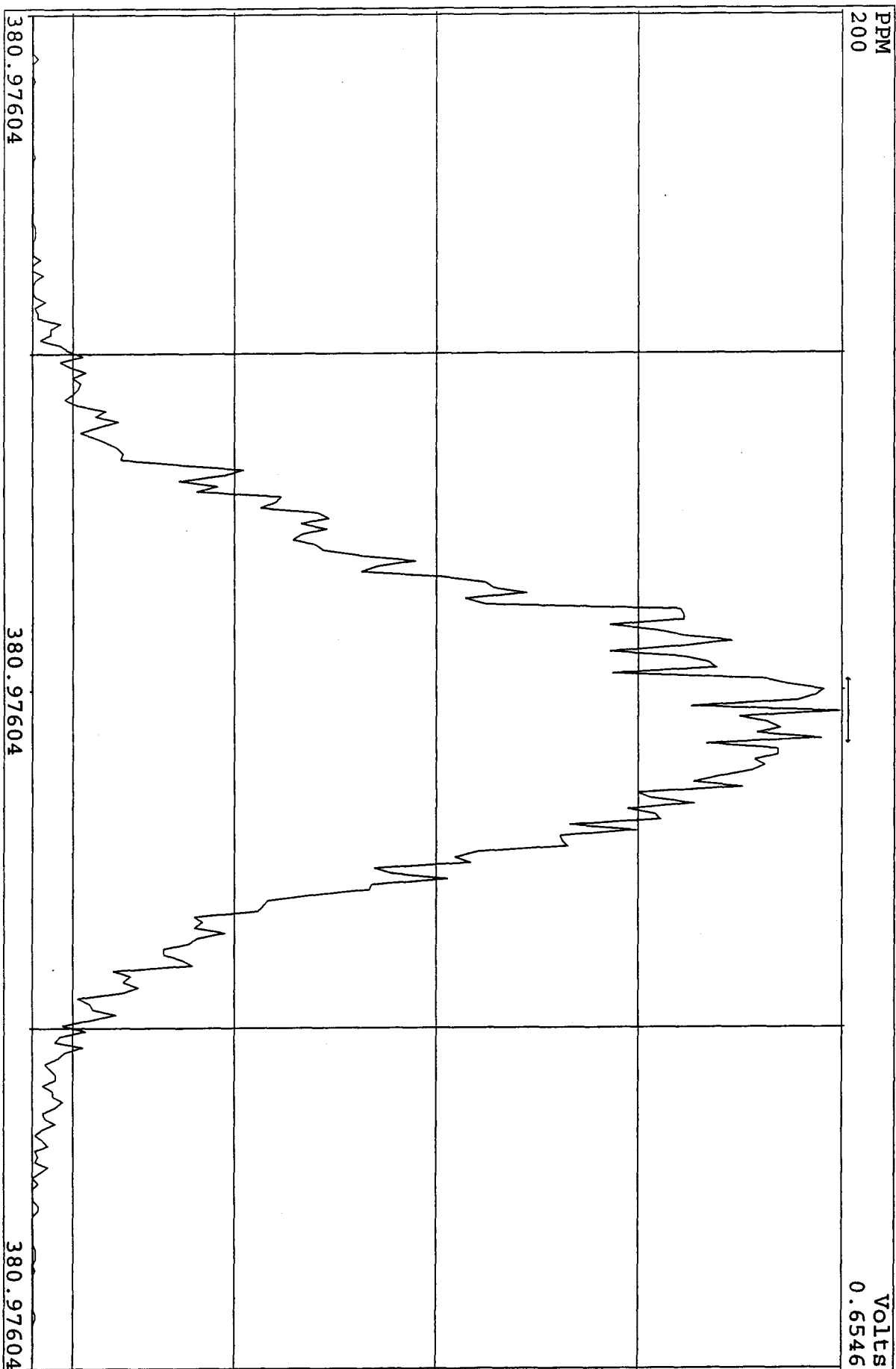
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 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



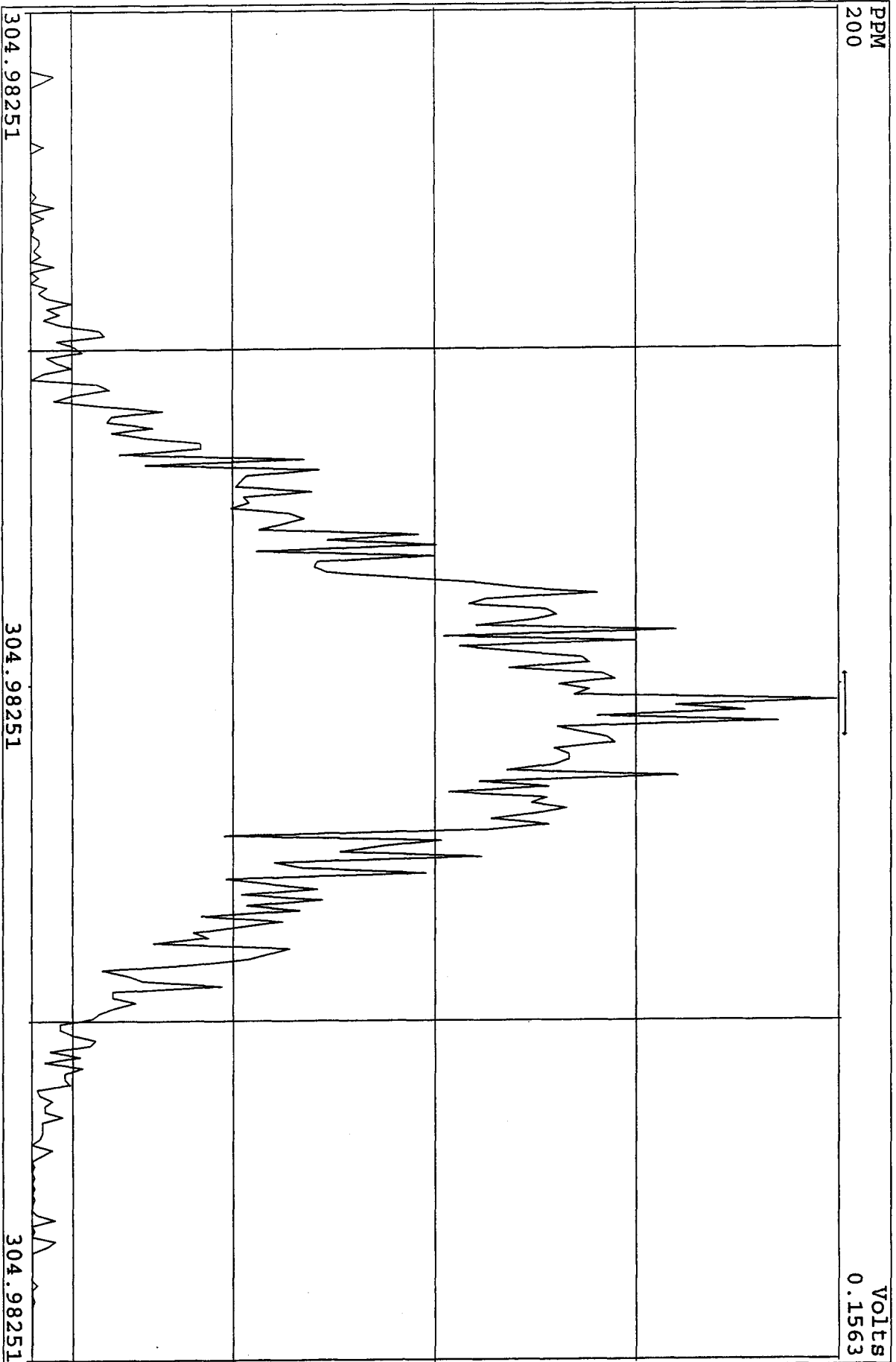
SIRIM Examination: 27-APR-2010: 22:08 File: 27AP104D5
Experiment: DIOXINRES8290A Function: 7



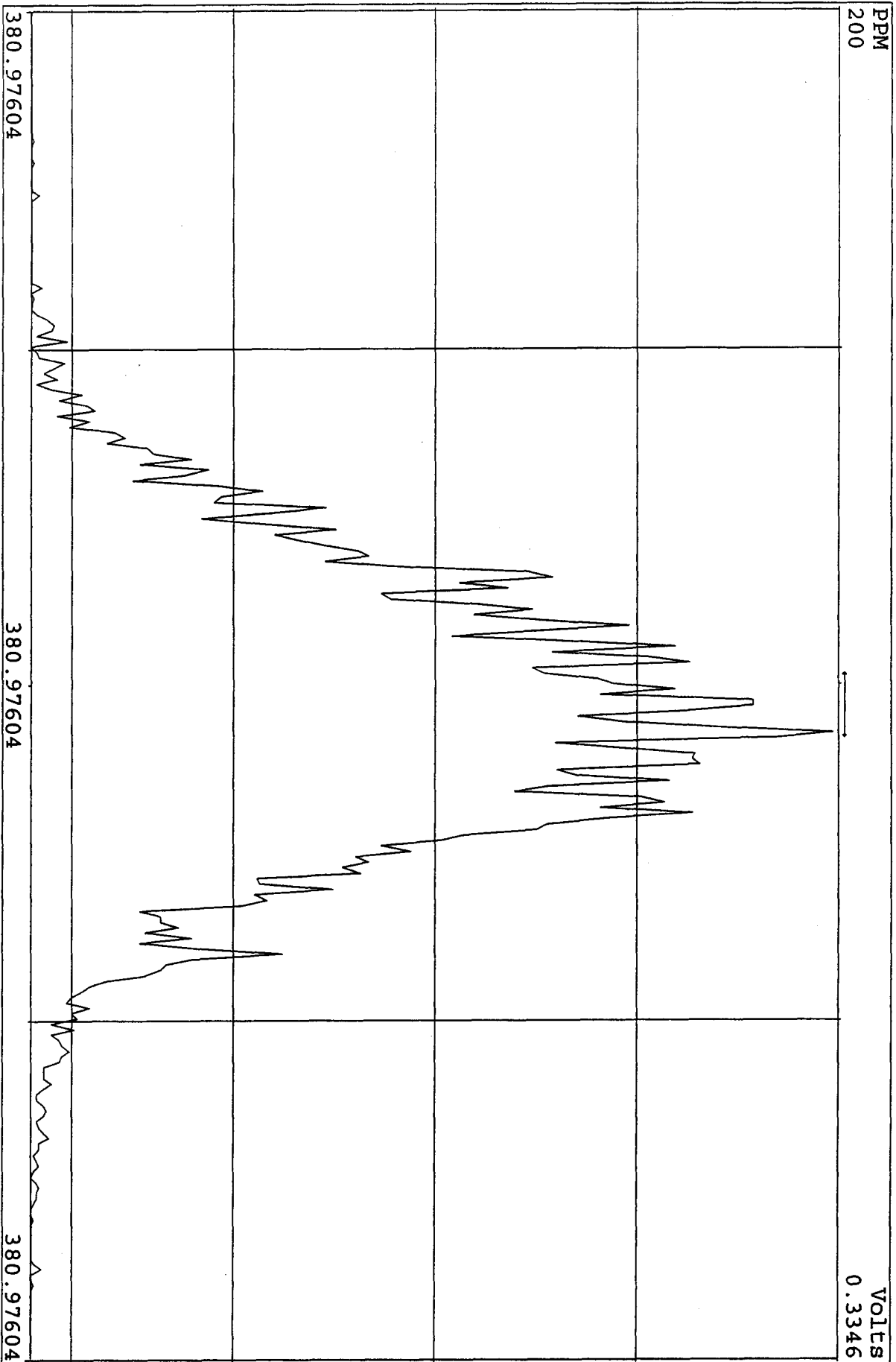
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Experiment: DIOXINRES8290A Function: 6



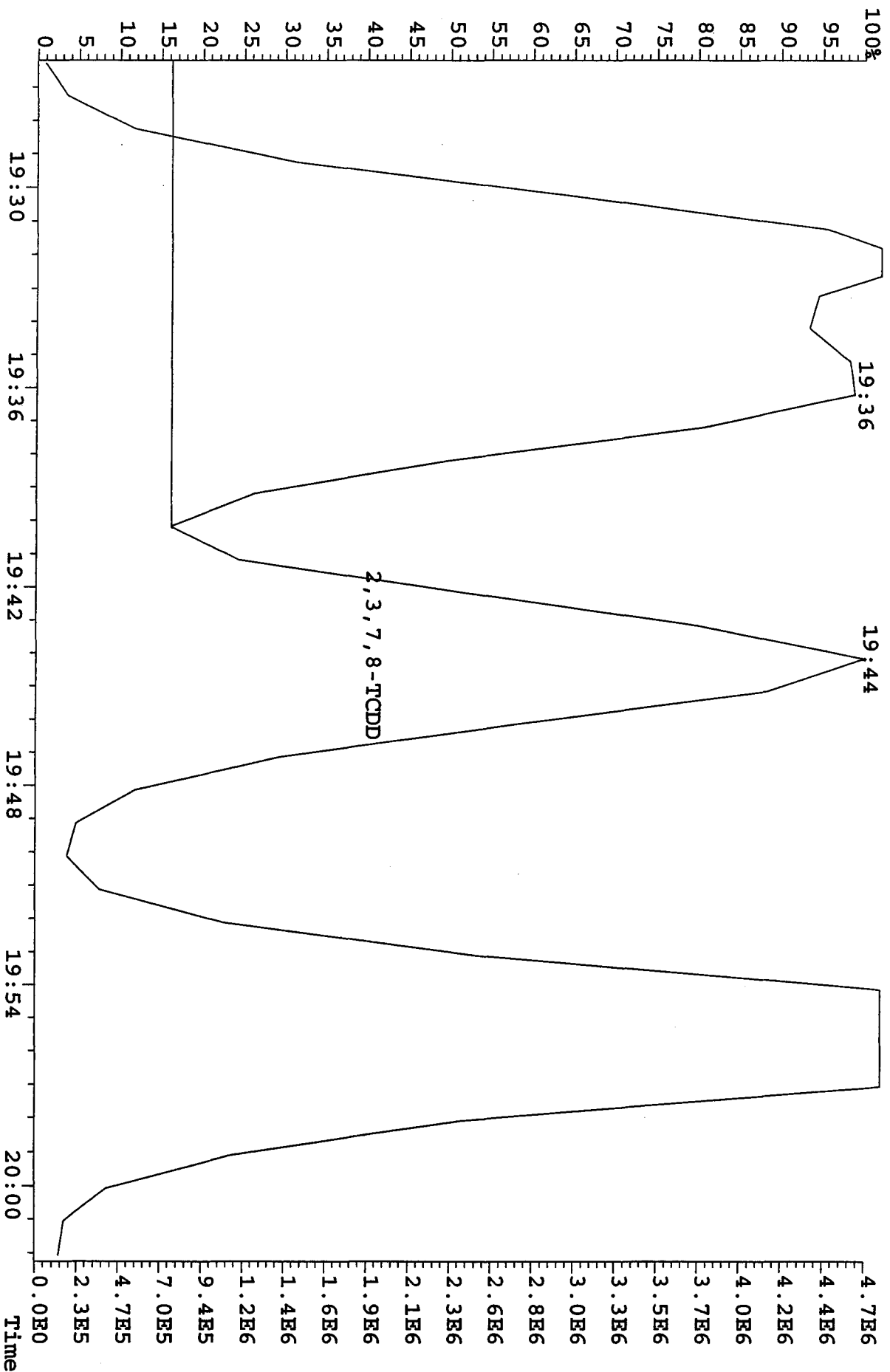
SIRLM Examination: 28-APR-2010:08:25 File: 27AP104D5
Experiment: DIOXINRES8290A Function: 7



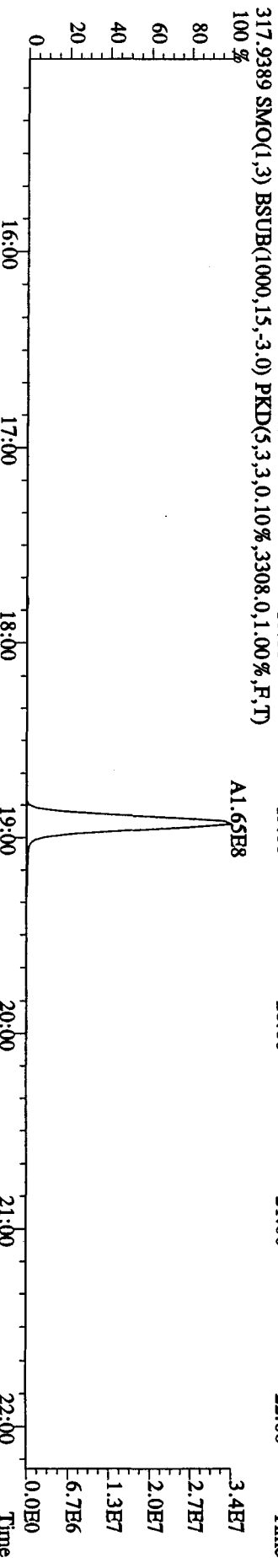
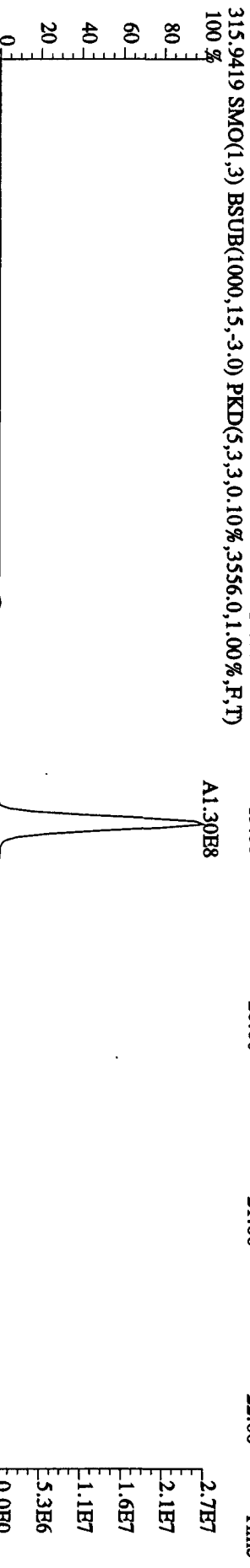
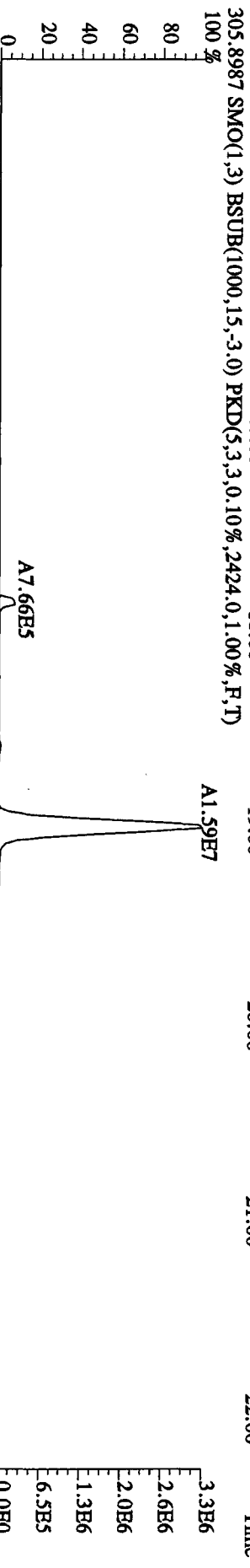
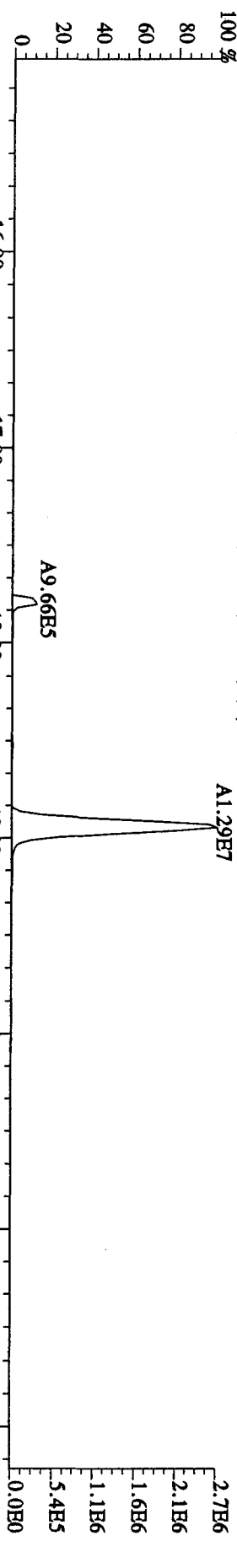
SIRLM Examination: 28-APR-2010:08:24 File: 27API04D5
Experiment: DIOXINRES8290A Function: 6



File: 27API04D5 #1-434 Acq: 27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-Ultimate
321.8936 S: 2 Exp: DIOXINRES8290A



File: 27AP104D5 #1-435 Acq: 27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text: STU427 : CS3 10DXN083 Exp: DIOXINRES8290A
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1140.0,1.00%,F,T) 100%



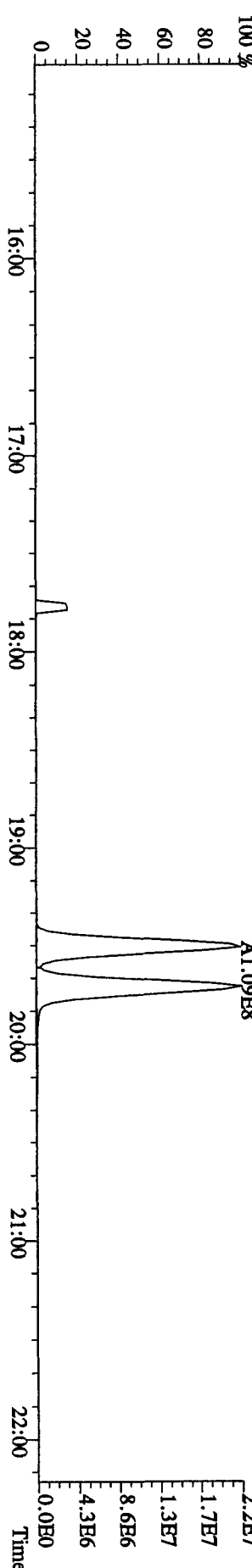
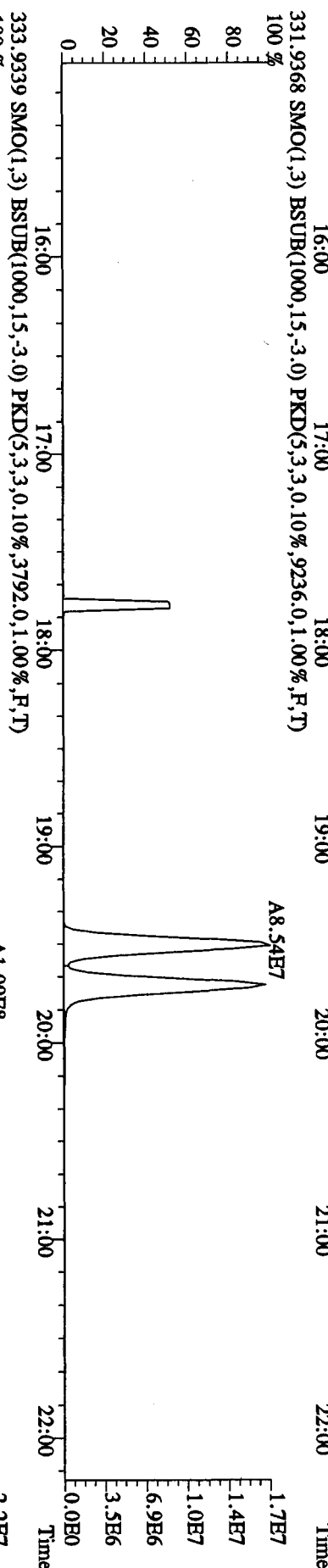
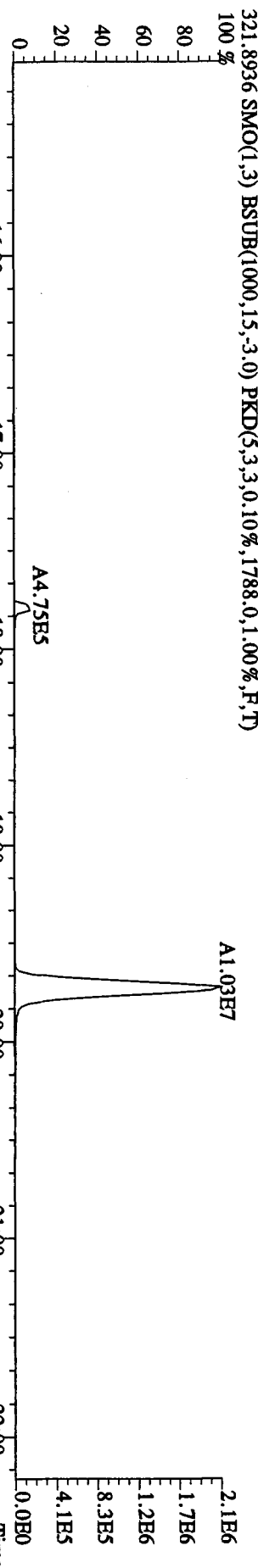
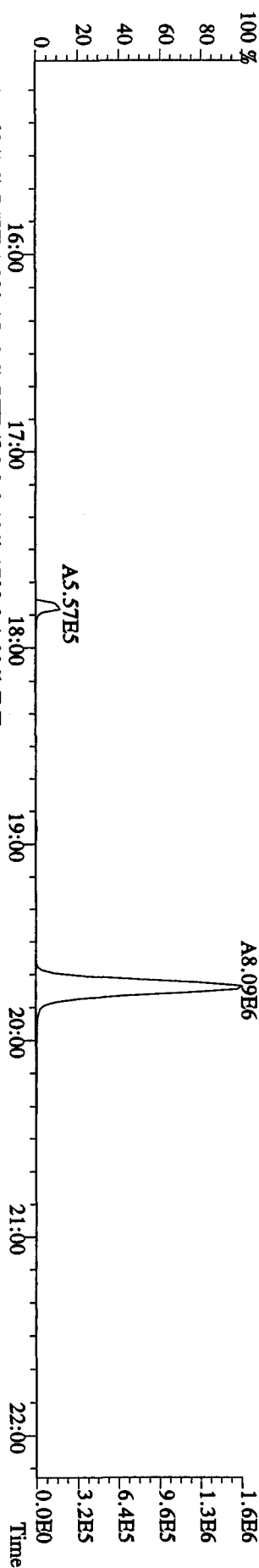
File:27AP104D5 #1-435 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltraH

Sample#1 Text:ST0427 :CS3 10DXN083

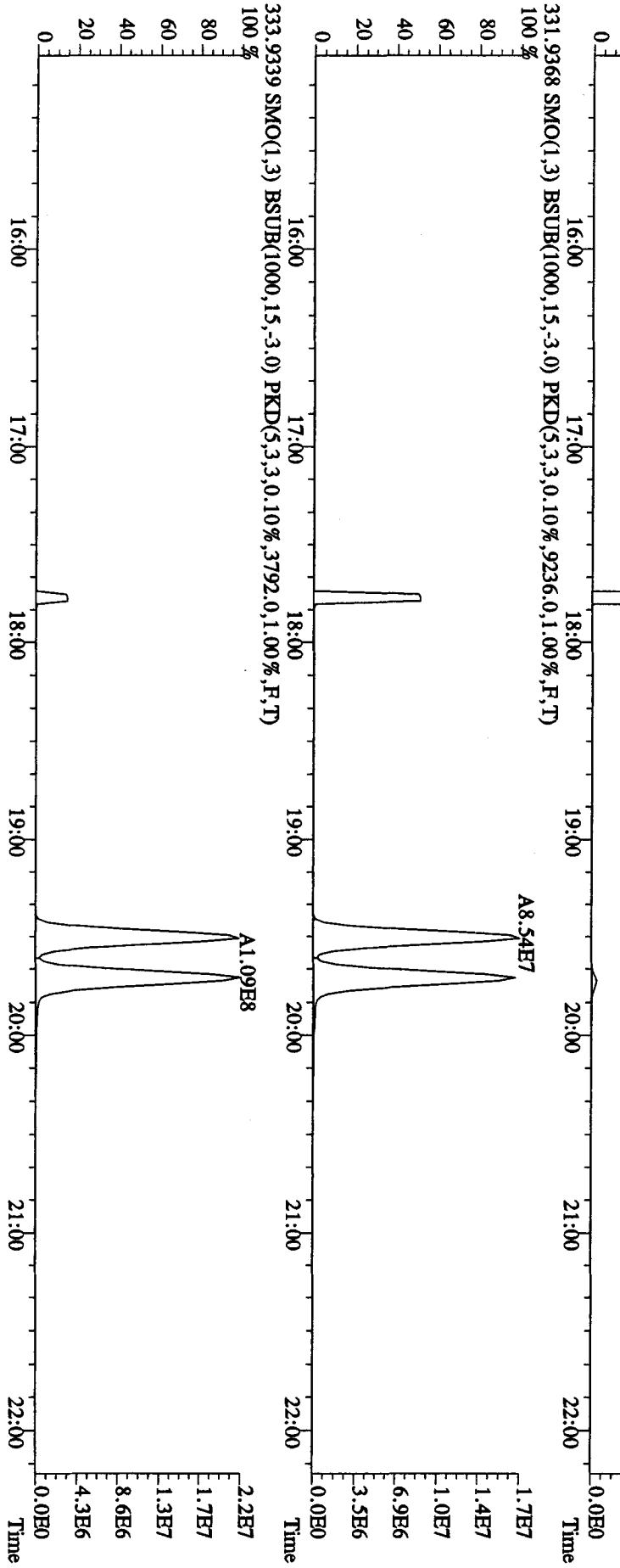
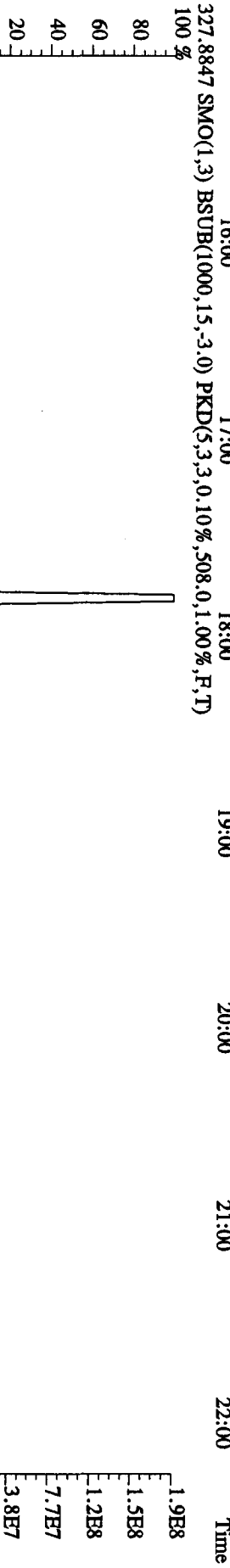
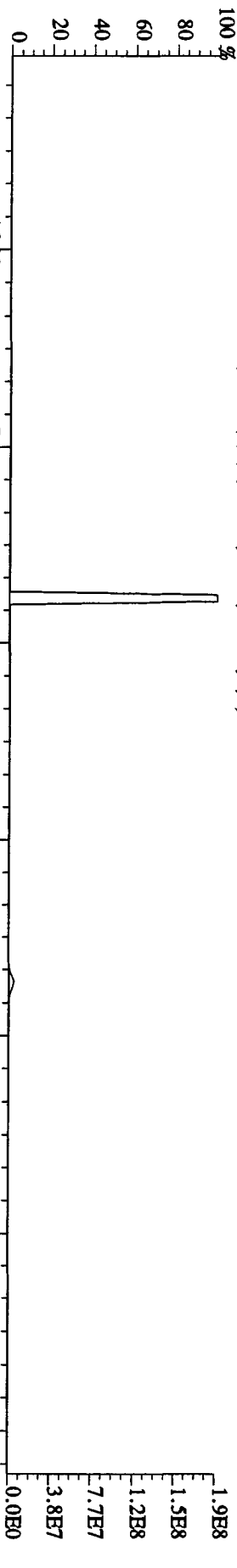
Exp:DIOXINRES8290A

319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1508.0,1.00%,F,T)

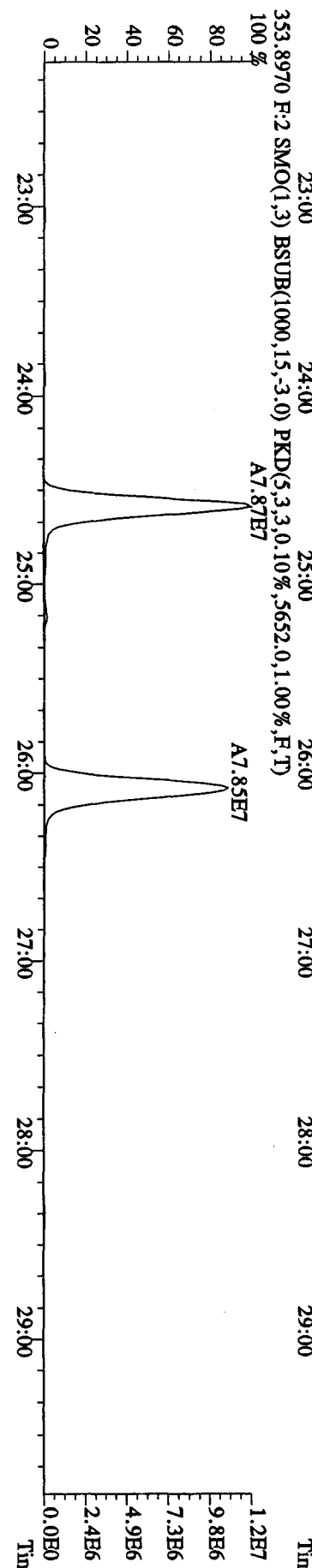
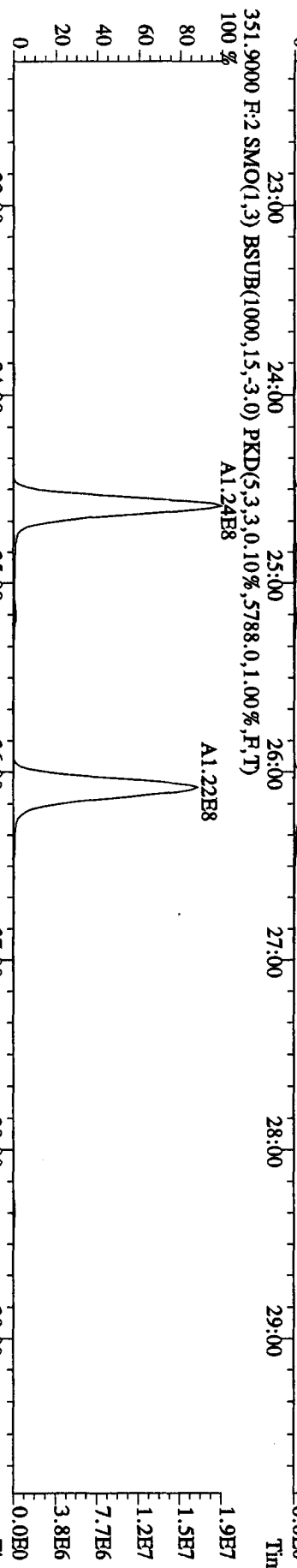
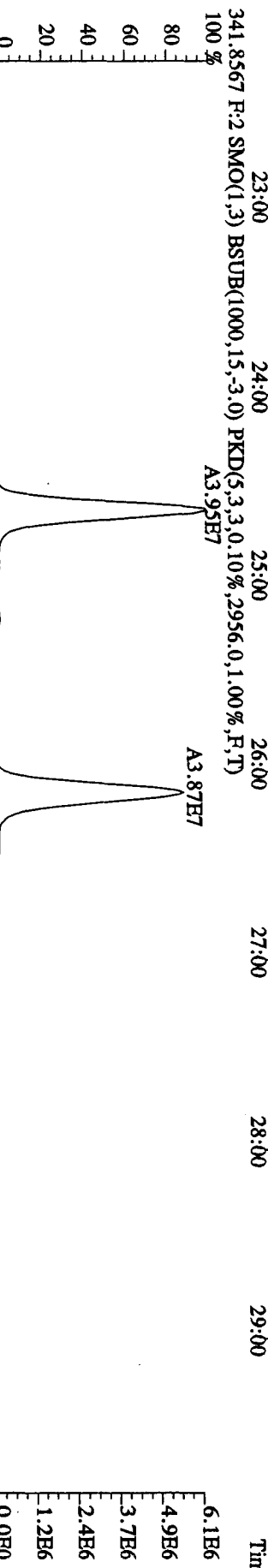
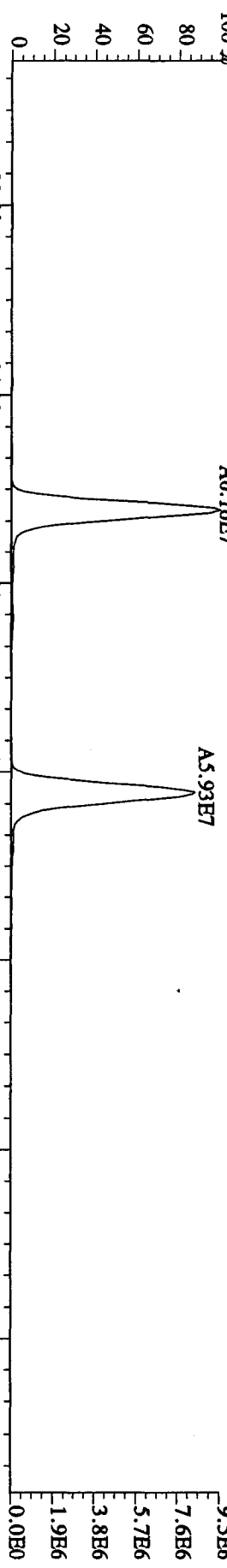
100 %



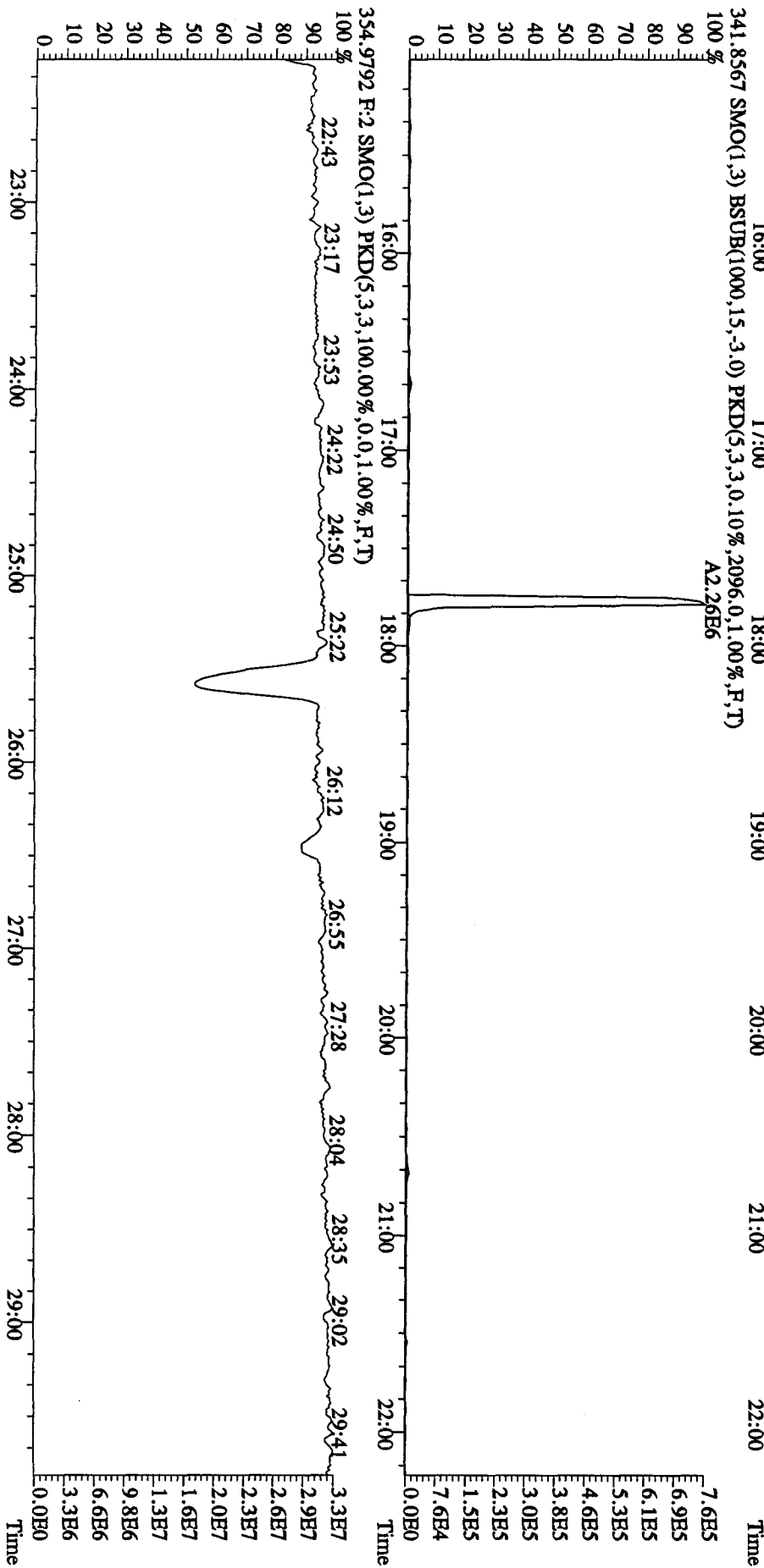
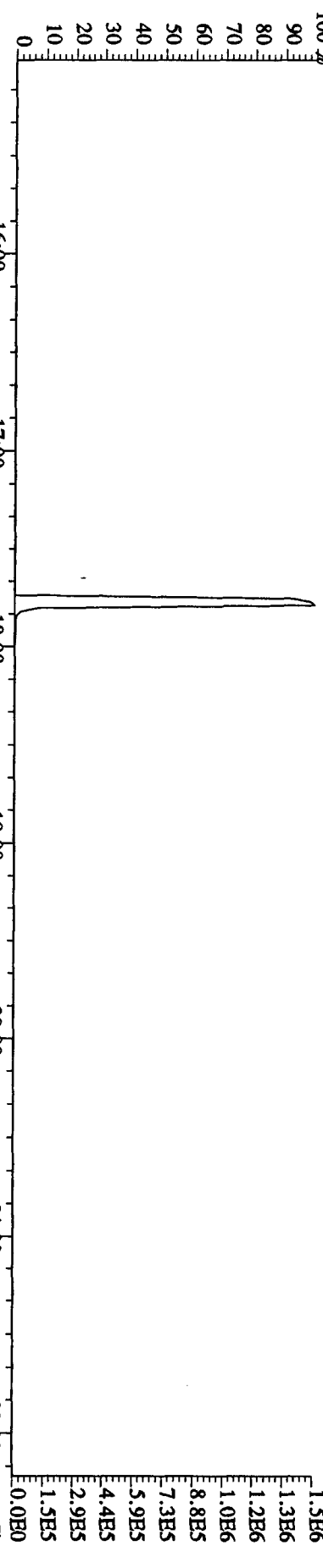
File:27ADP104D5 #1-435 Acq:27-APR-2010 11:48:26 GC HI + Voltage SIR Autospec-UltimaB
 Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,508.0,1.00%,F,T)



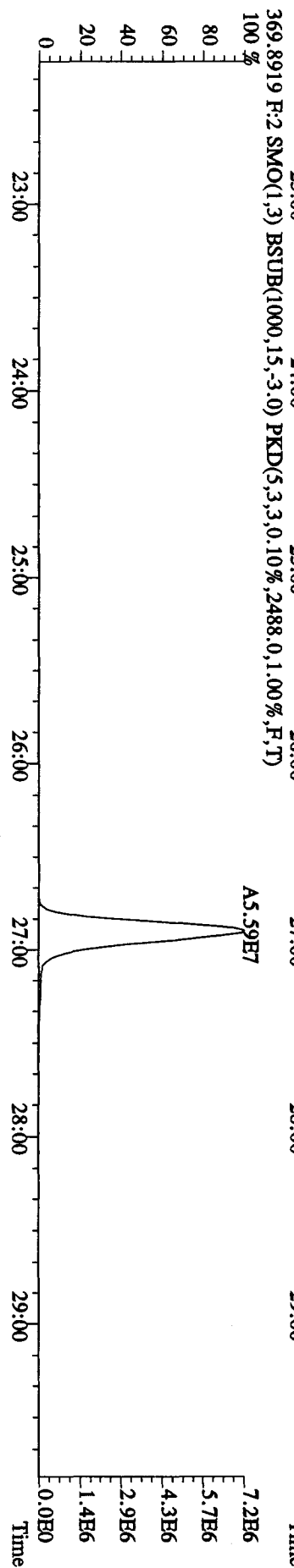
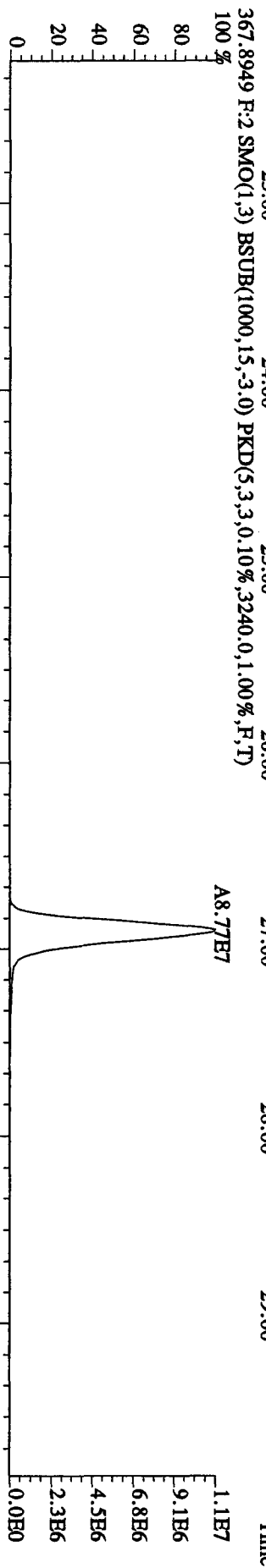
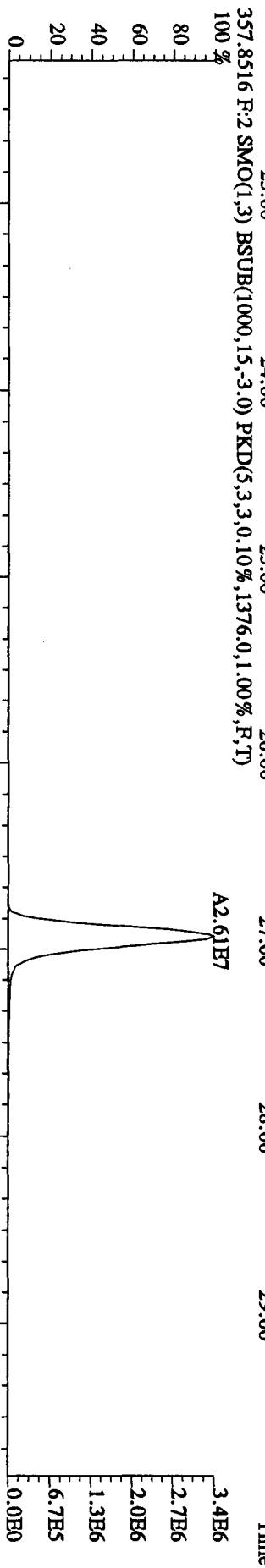
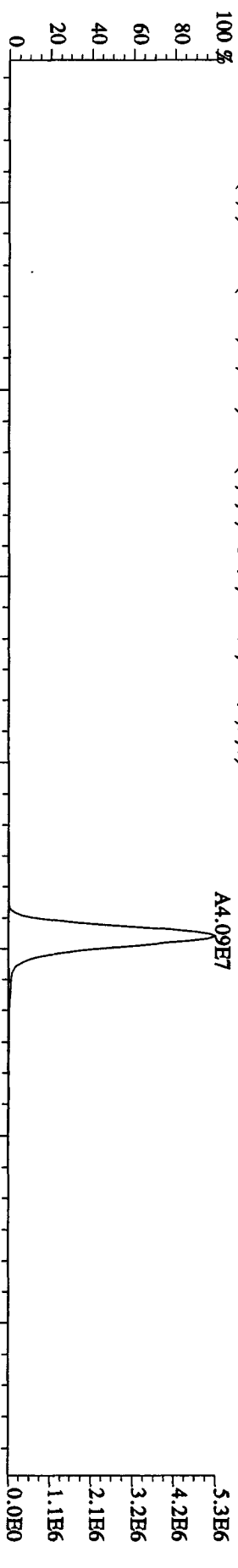
File:27AP104D5 #1-604 Acq:27-APR-2010 11:48:26 GC EI+ Voltage S1R Autospec-Ultimate
 Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2208,0,1,00%,F,T)



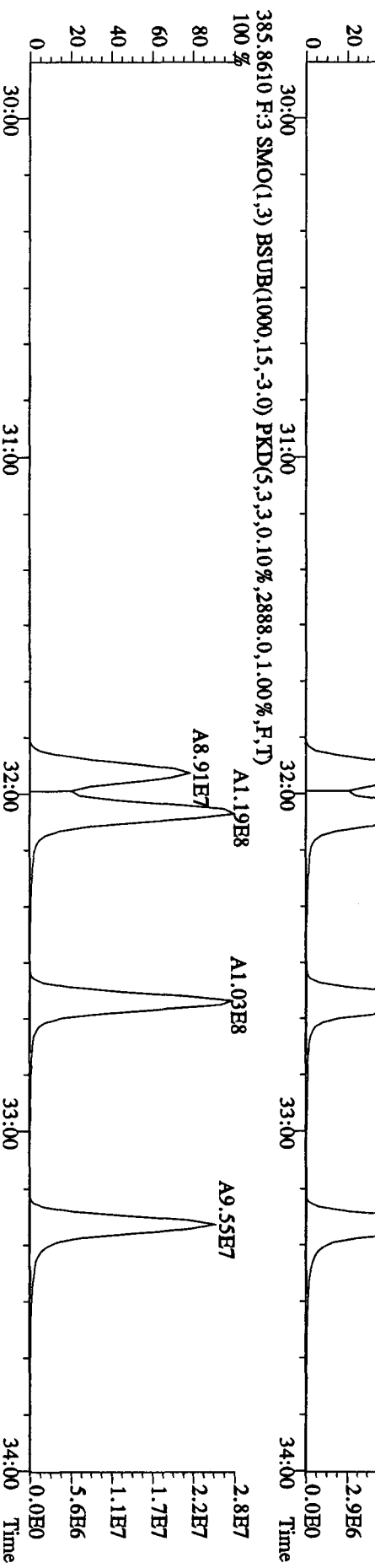
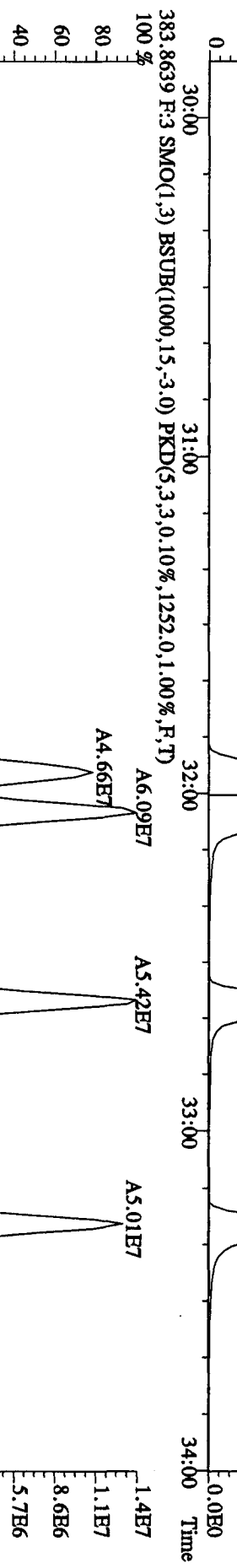
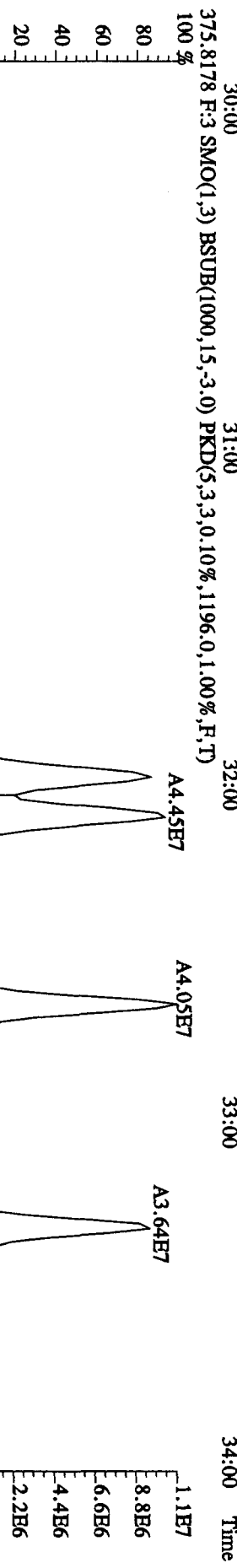
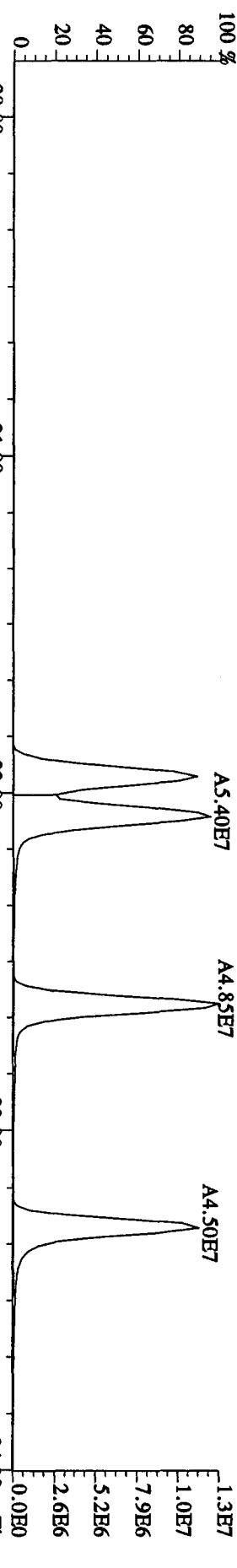
File: 27AP104D5 #1-435 Acq: 27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaB
 Sample #1 Text: ST0427 : CS3 10DXN083 Exp: DIOXINRES8290A
 339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,932.0,1.00%,F,T)



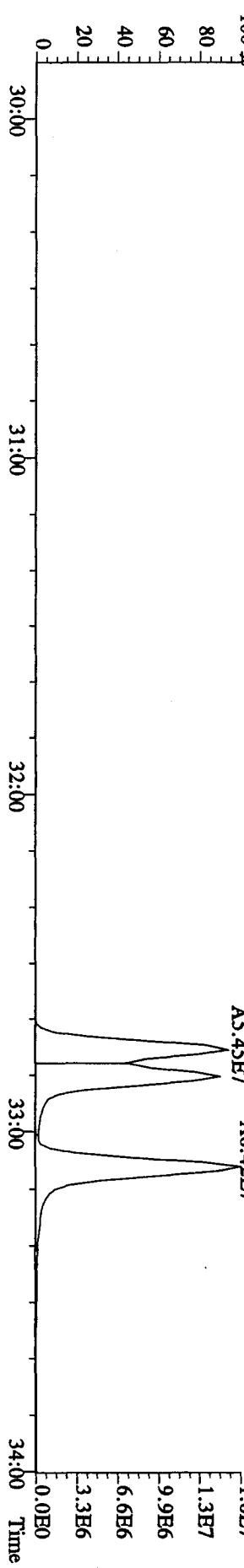
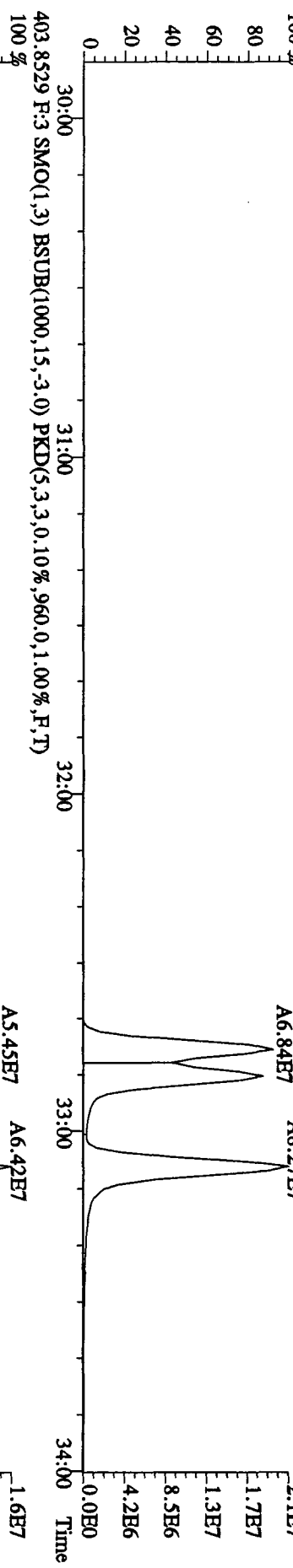
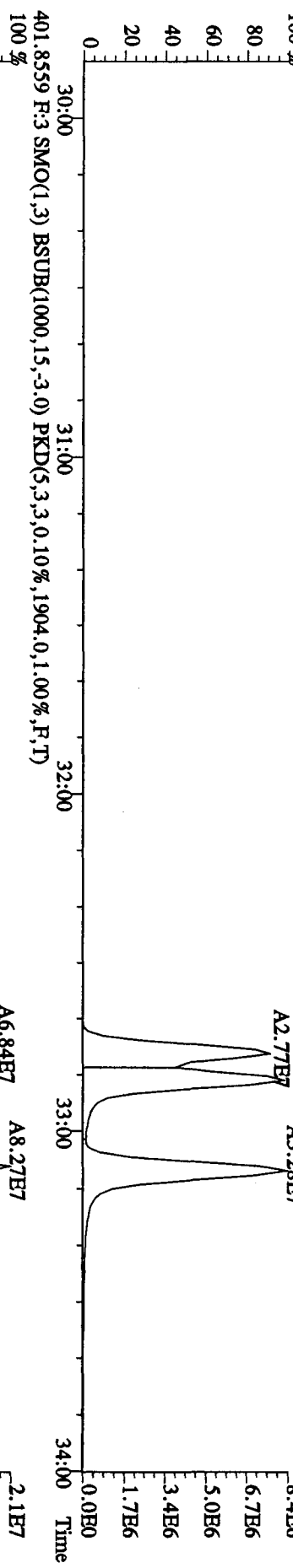
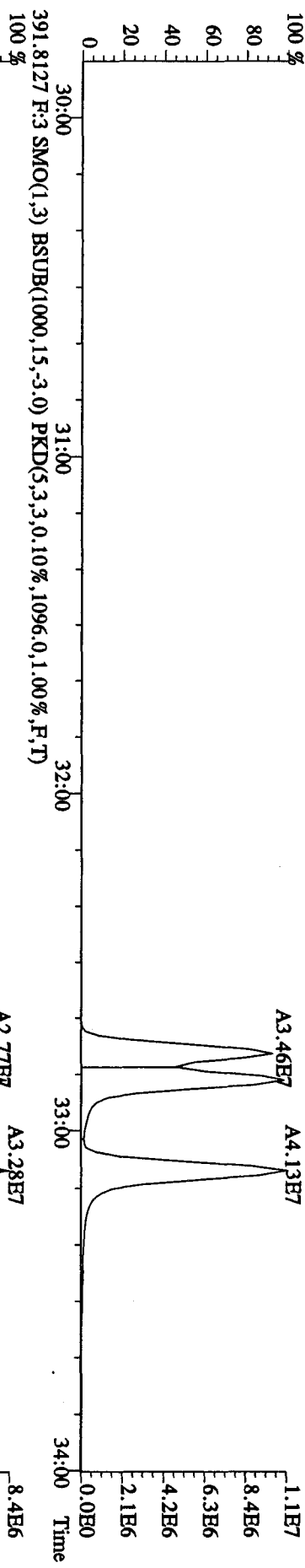
File: 27AP104D5 #1-604 Acq: 27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text: ST0427 :CS3 10DXN083 Exp: DIOXINRES8290A
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2200,0,1,00%,F,T) 100%



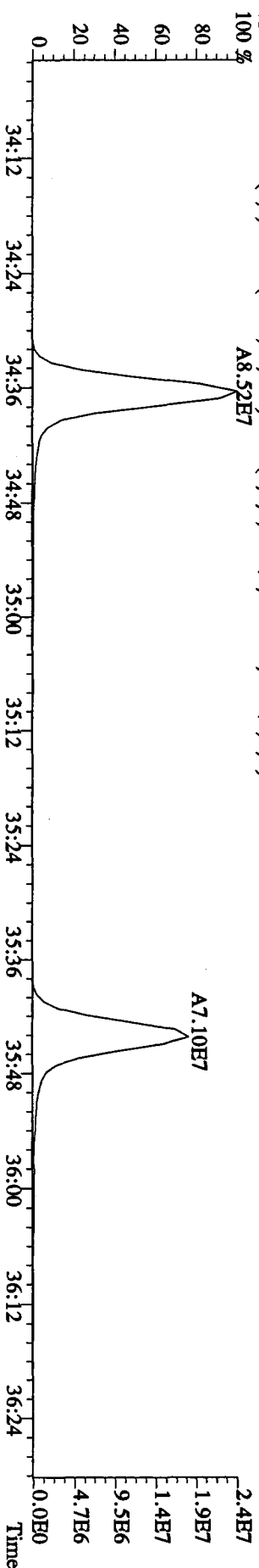
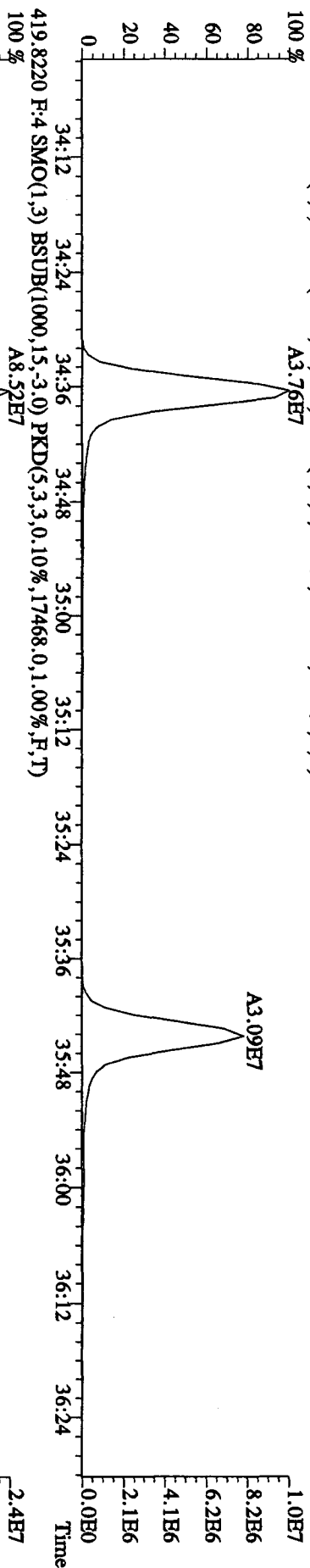
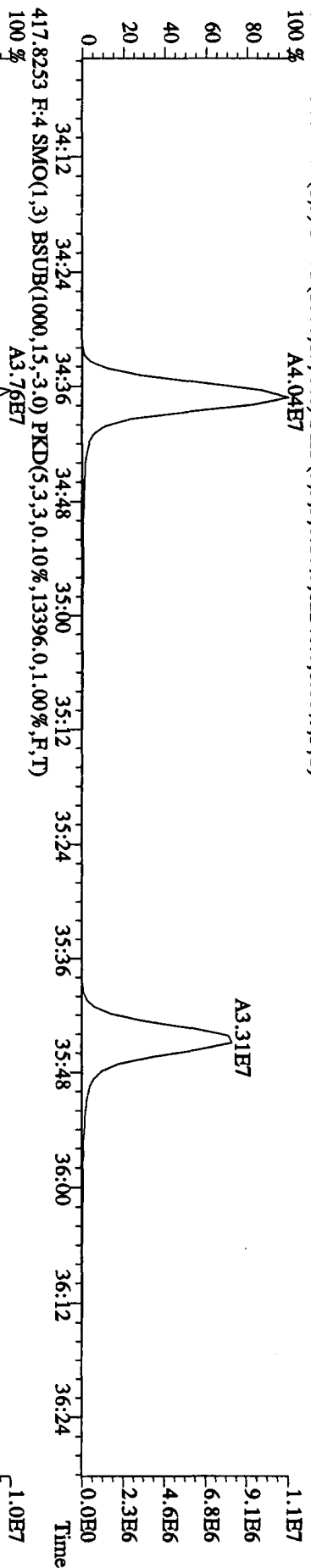
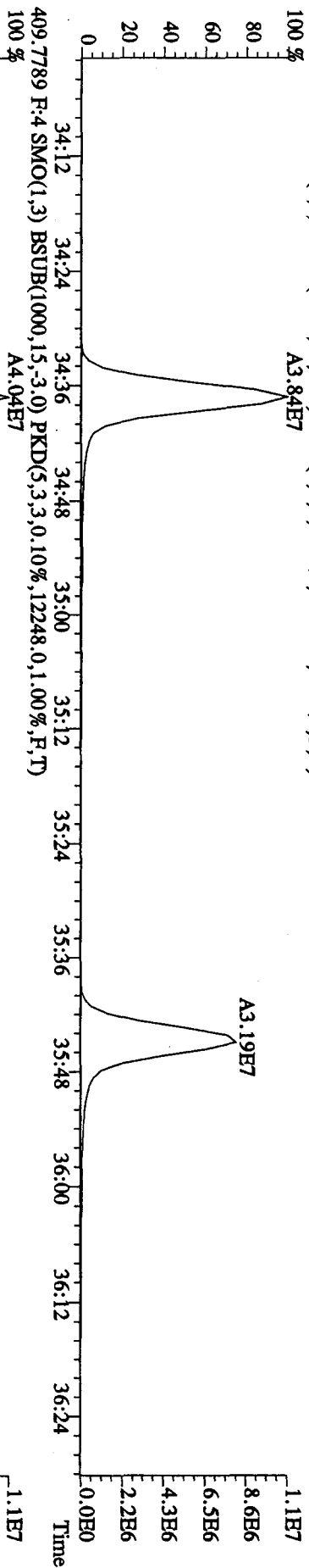
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 Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1452,0,1,00%,F,T)



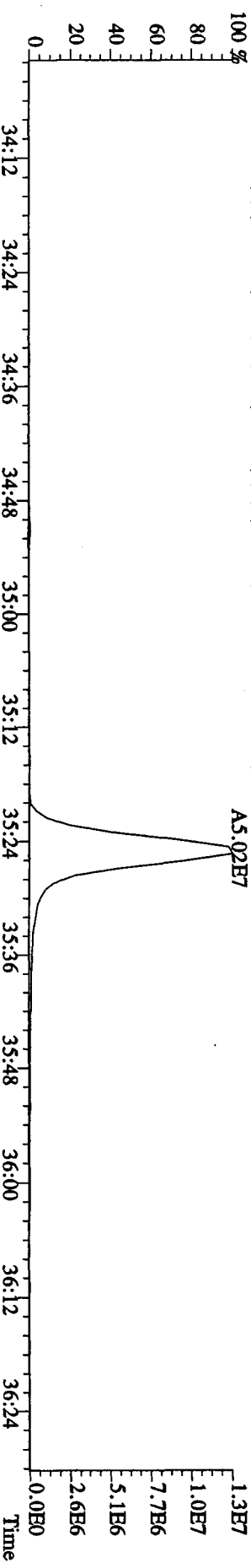
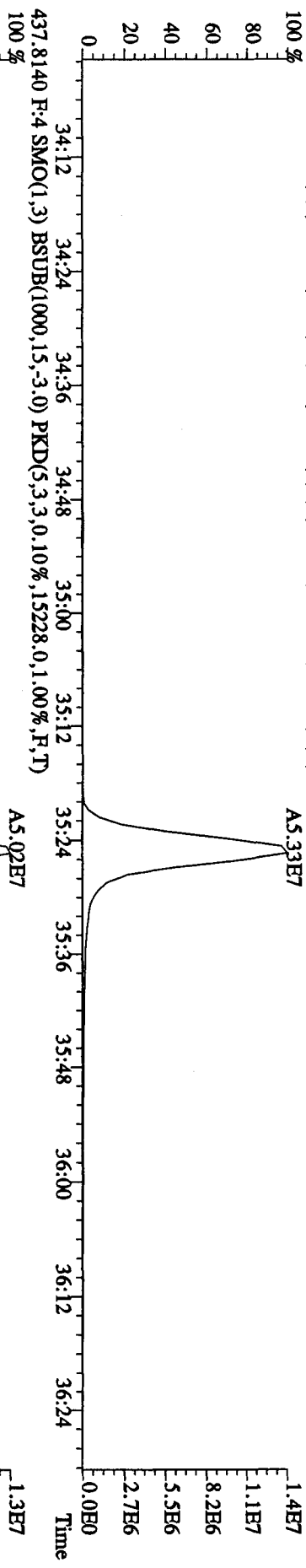
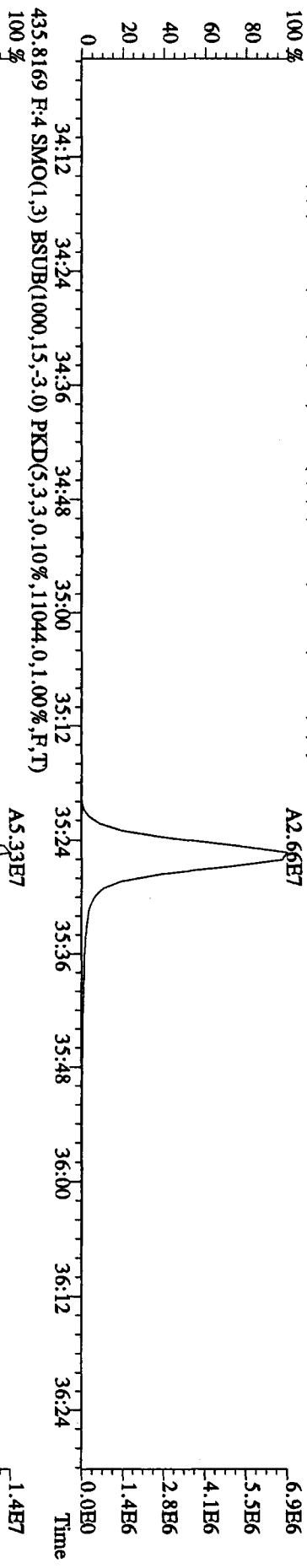
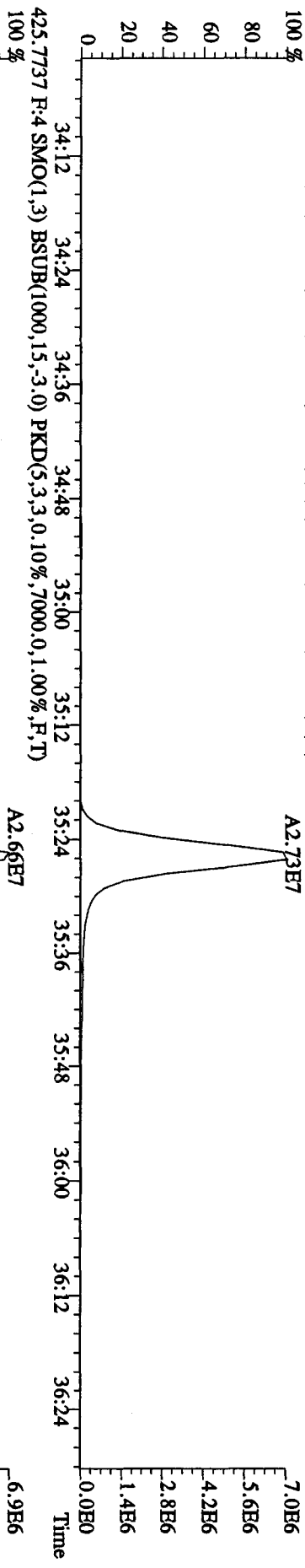
File:27AP104D5 #1-316 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1064.0,1.00%,F,T)



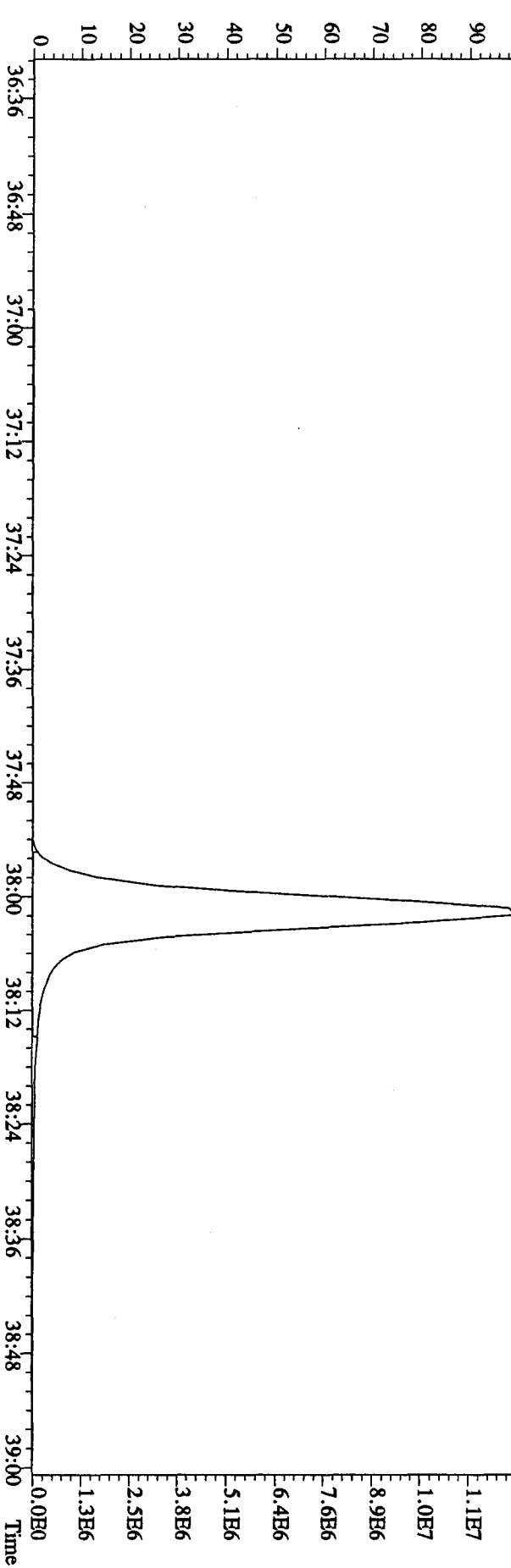
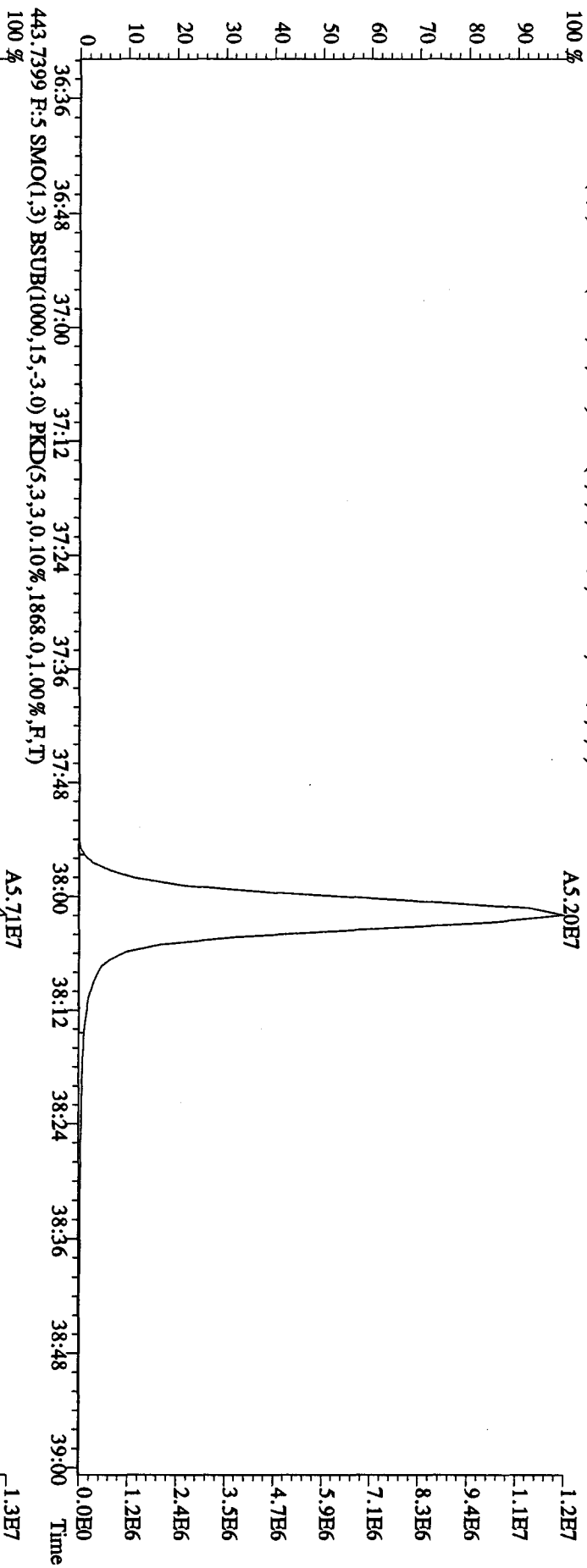
File:27AP104D5 #1-198 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14908.0,1.00%,F,T)
 100 % A3.84E7



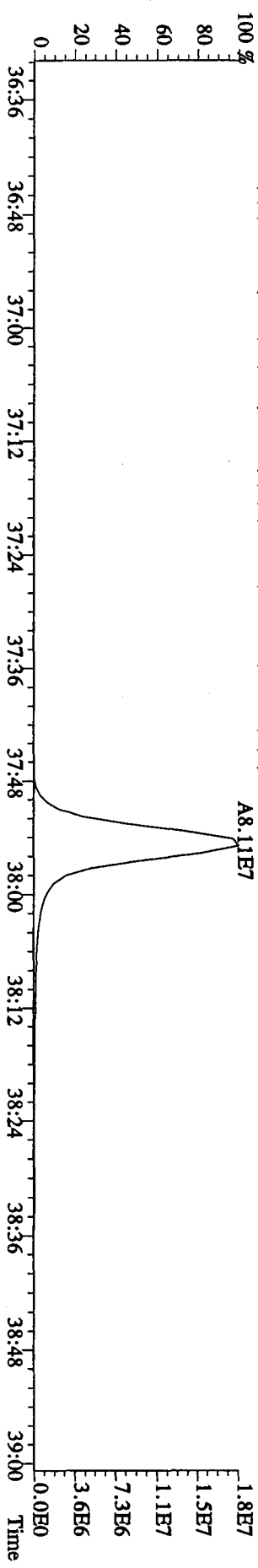
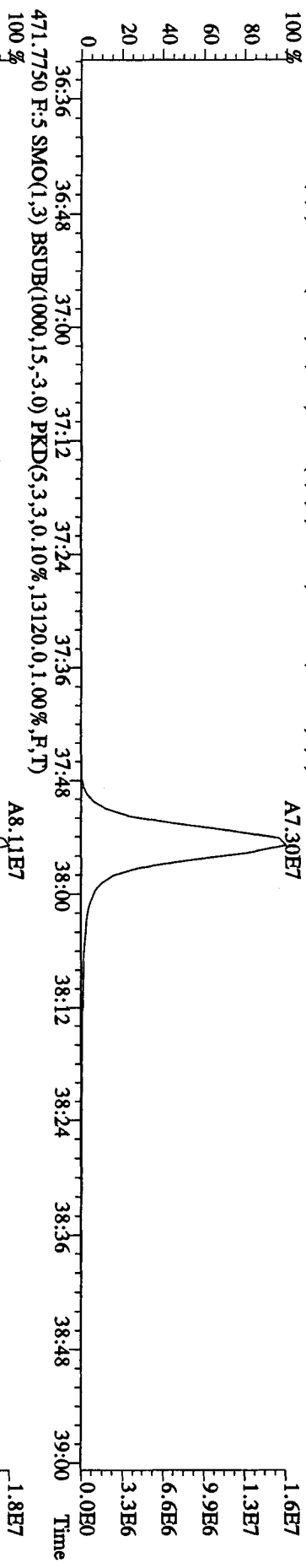
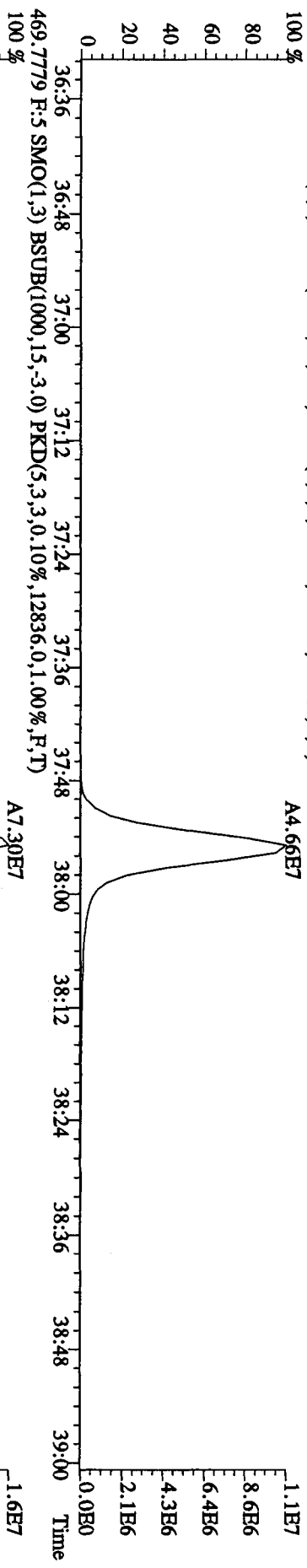
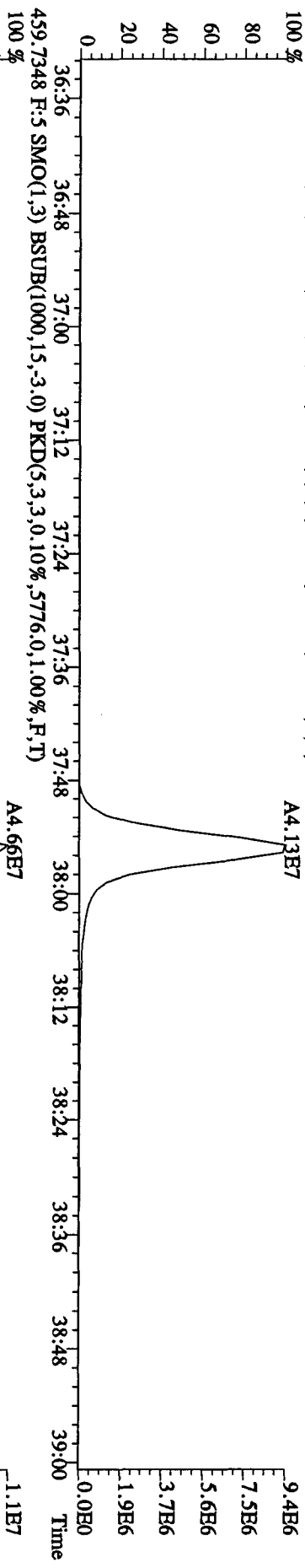
File:27AP104D5 #1-198 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6280,0,1,00%,F,T)
 100 %

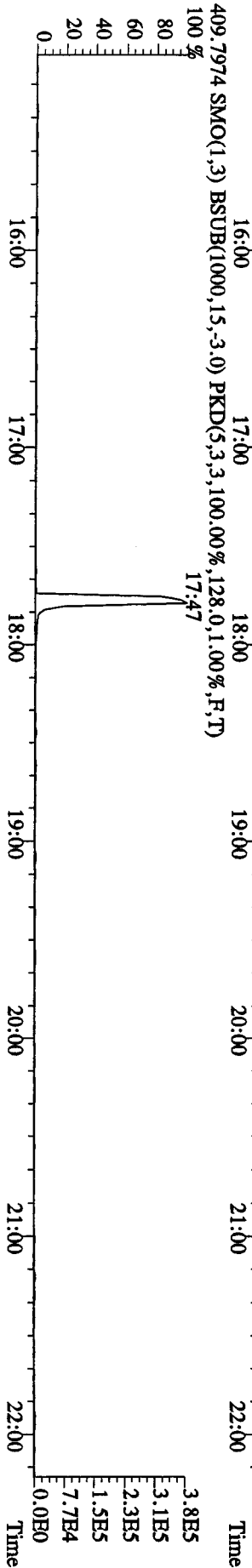
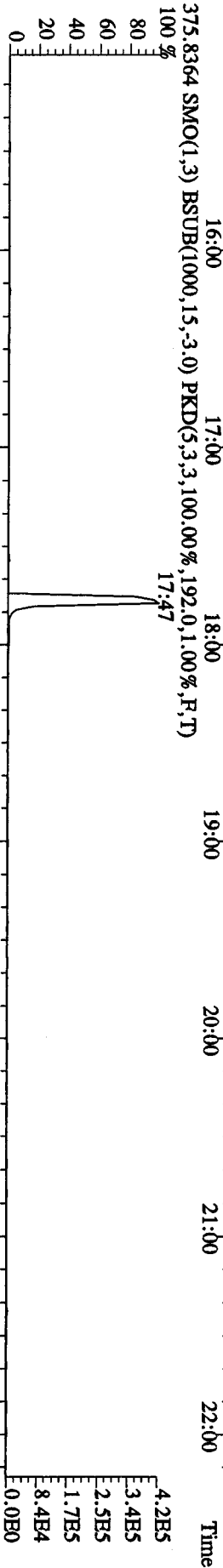
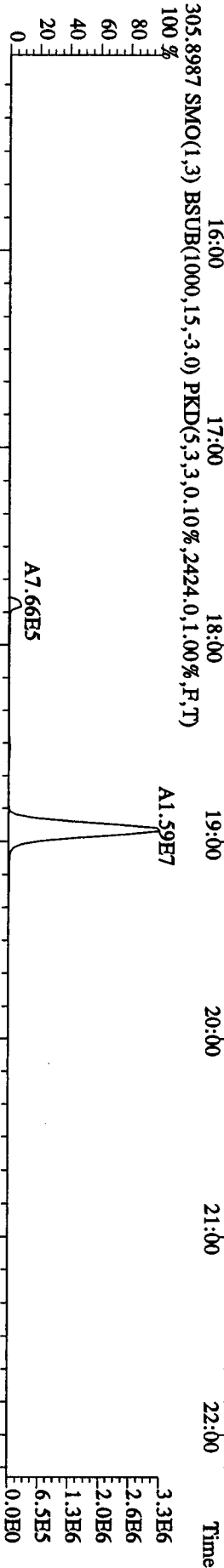
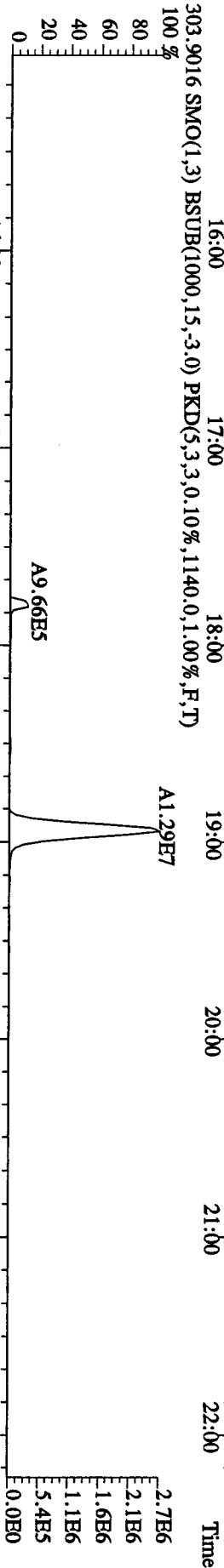
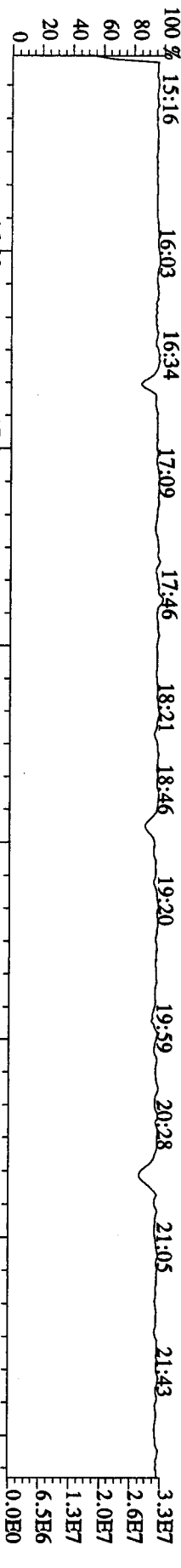


File:27AP104D5 #1-191 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaB
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2220.0,1.00%,F,T)
100 %

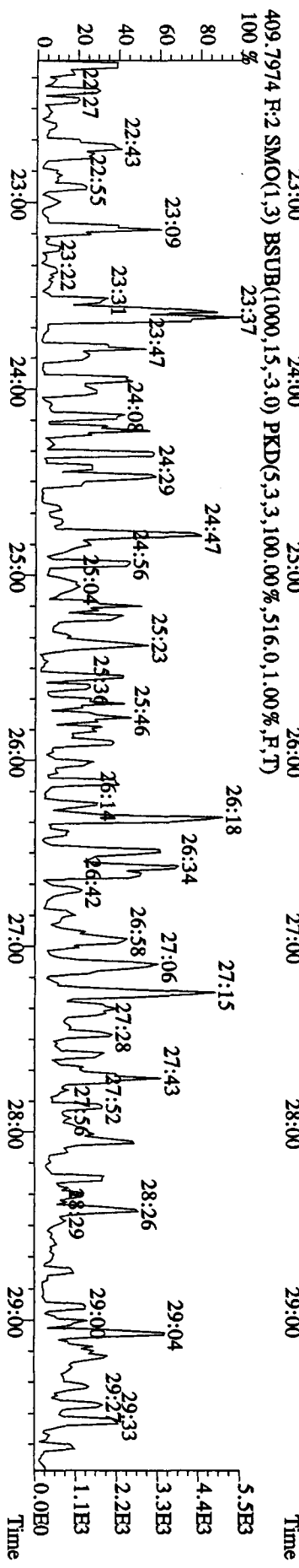
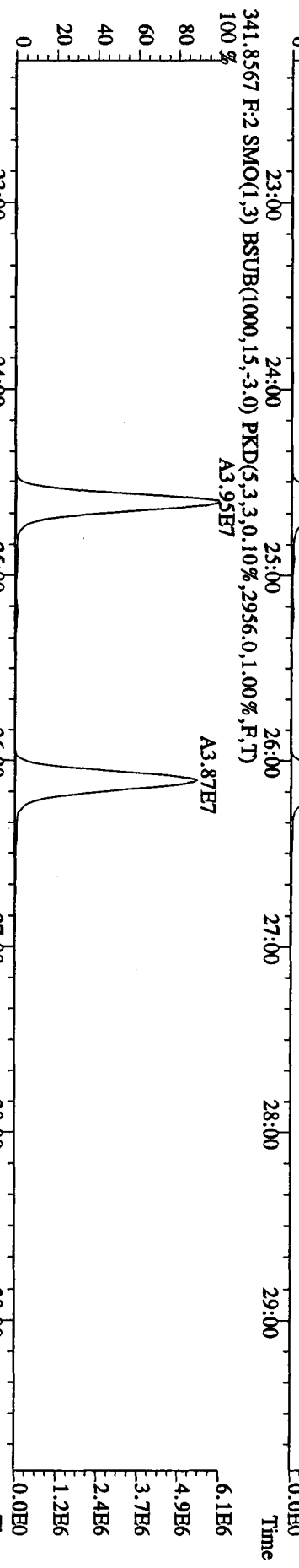
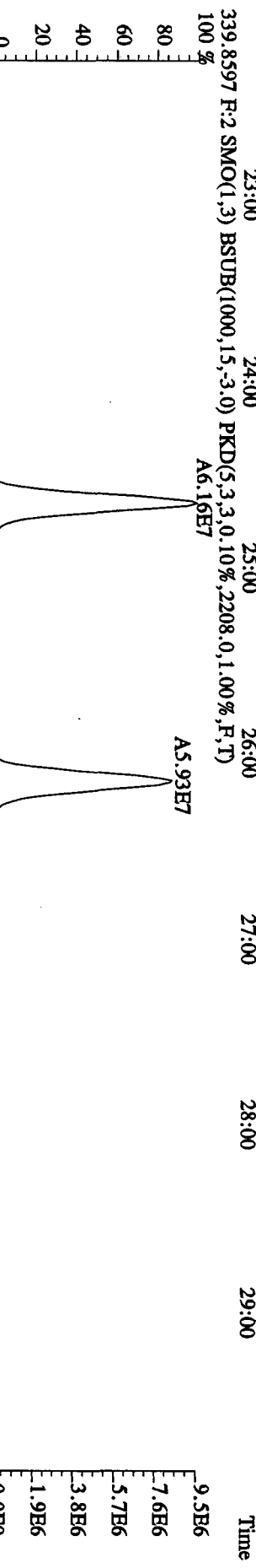
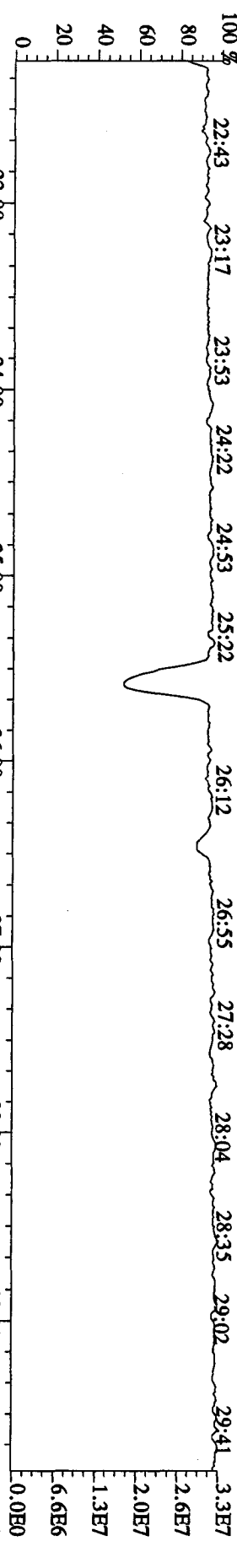


File:27AP104D5 #1-191 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3584,0.1,0.00%,F,T) 100%





File: 27ADP104D5 #1-604 Acq: 27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text: ST0427 :CS3 10DXN083 Exp: DIOXNRES8290A
 354.9792 F: 2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

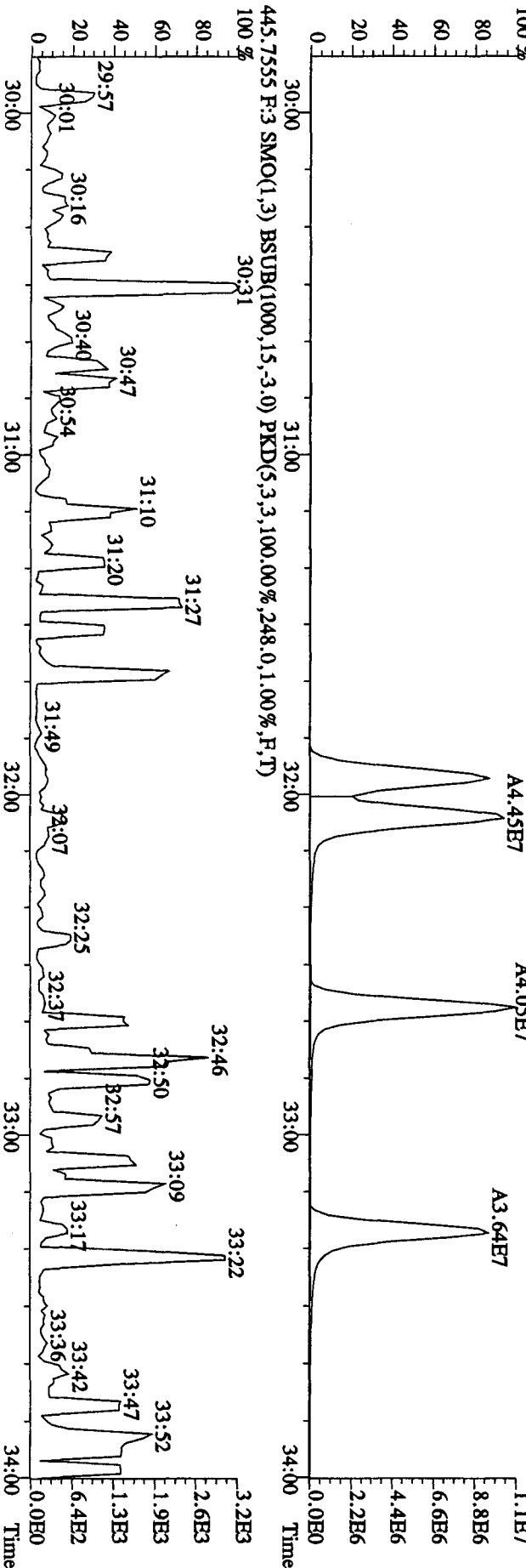
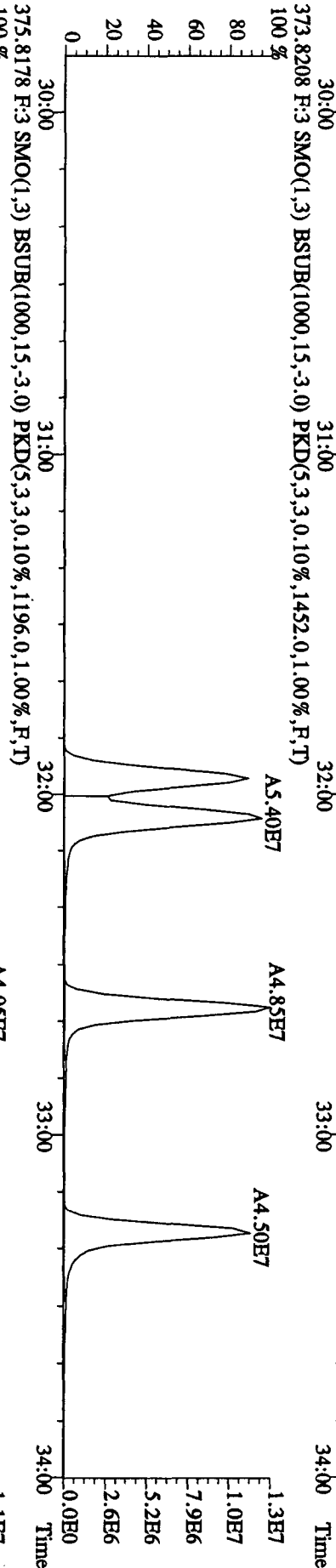
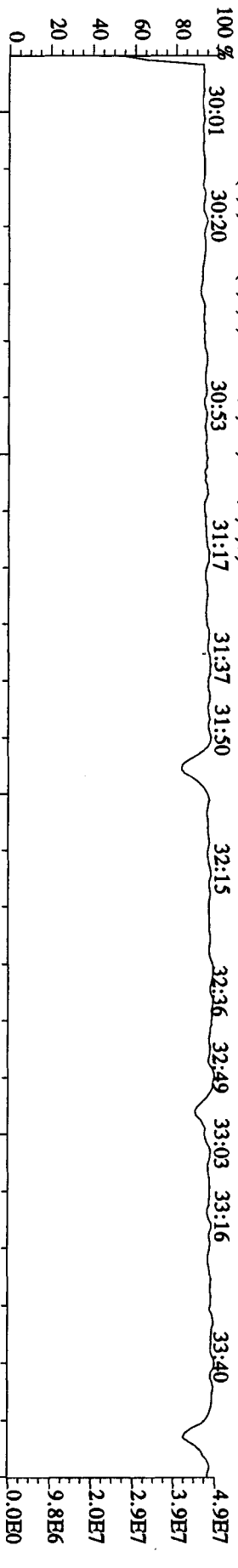


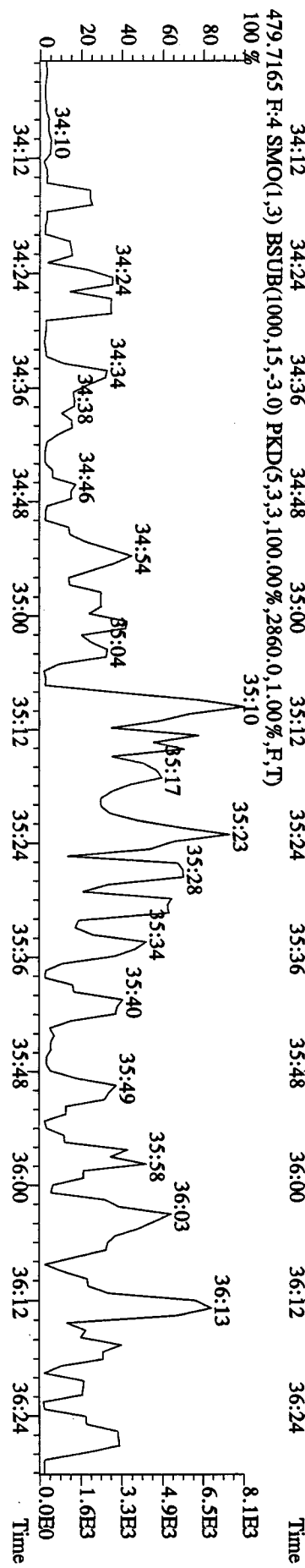
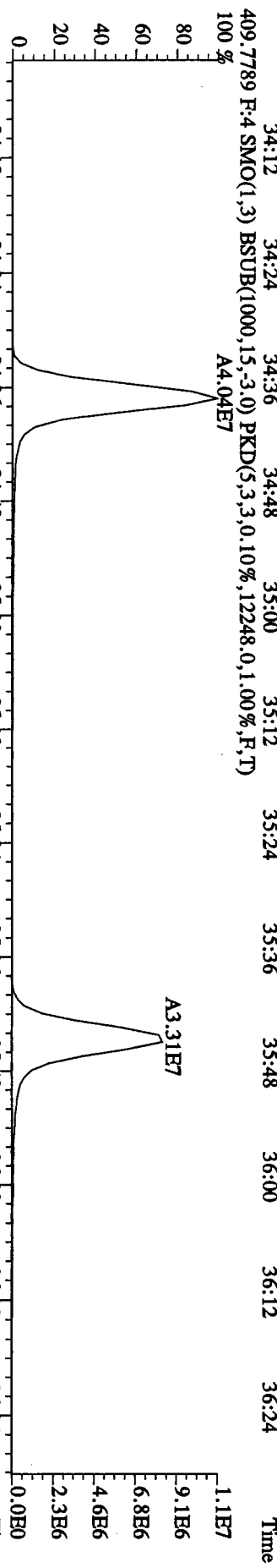
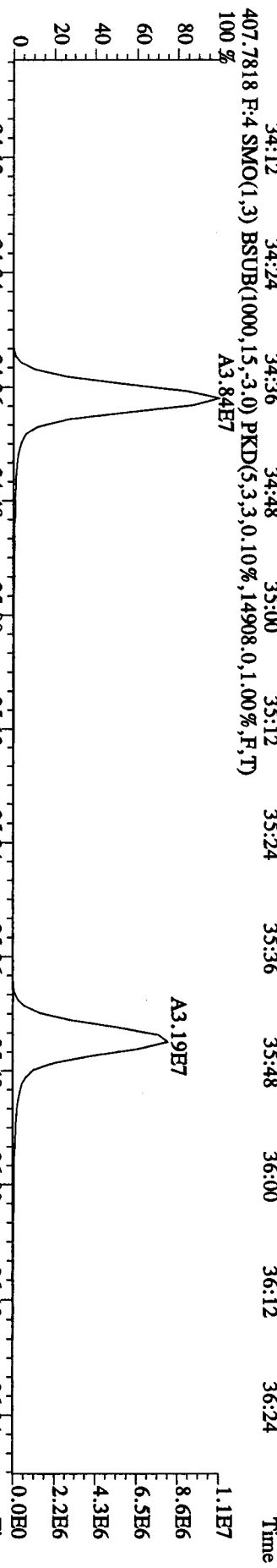
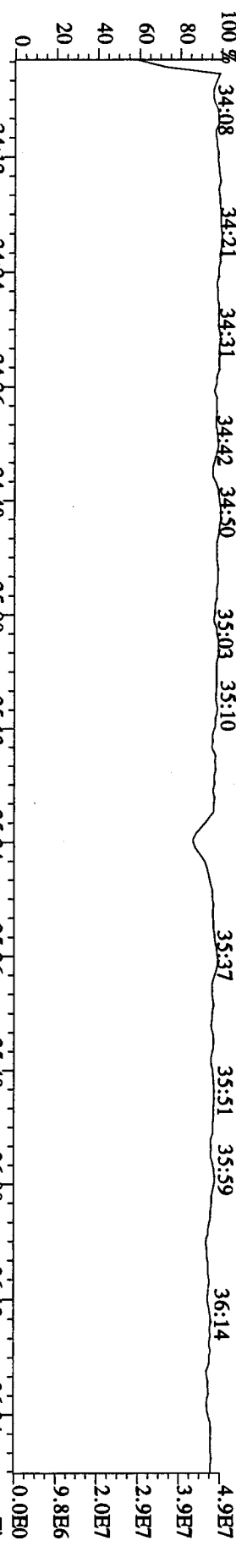
File: 27AP104D5 #1-316 Acq: 27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text: ST0427 :CS3 10DDXN083

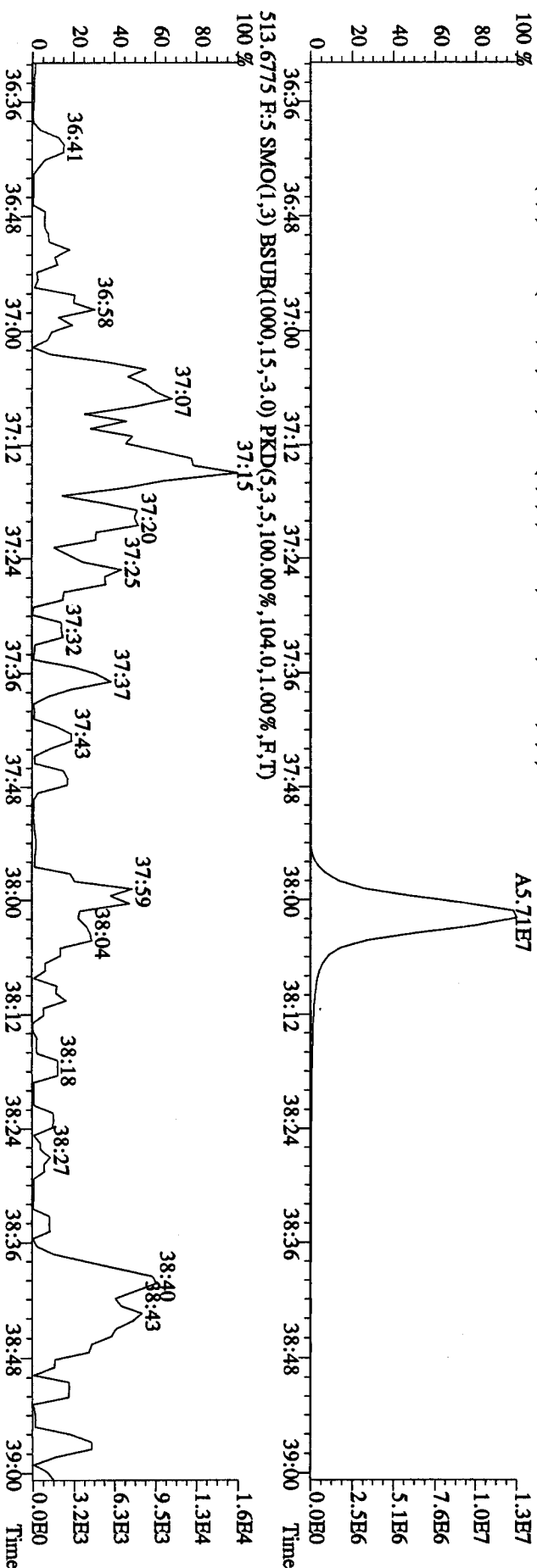
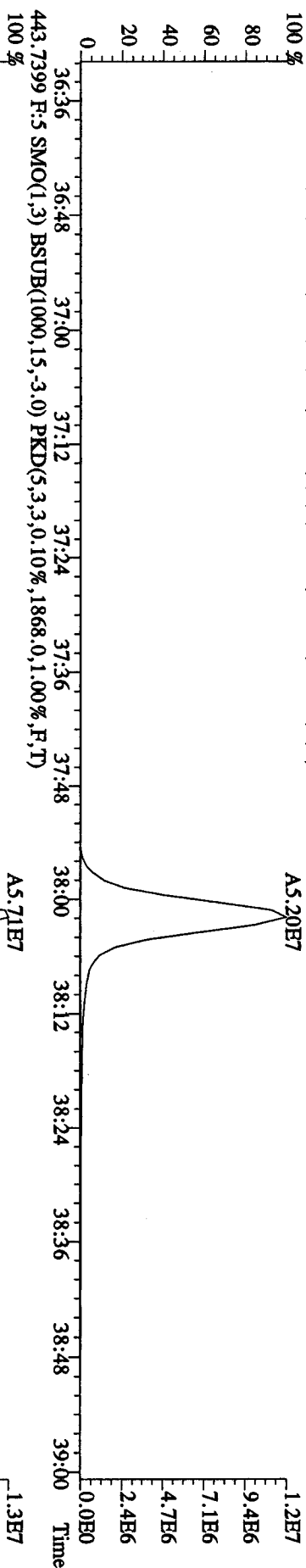
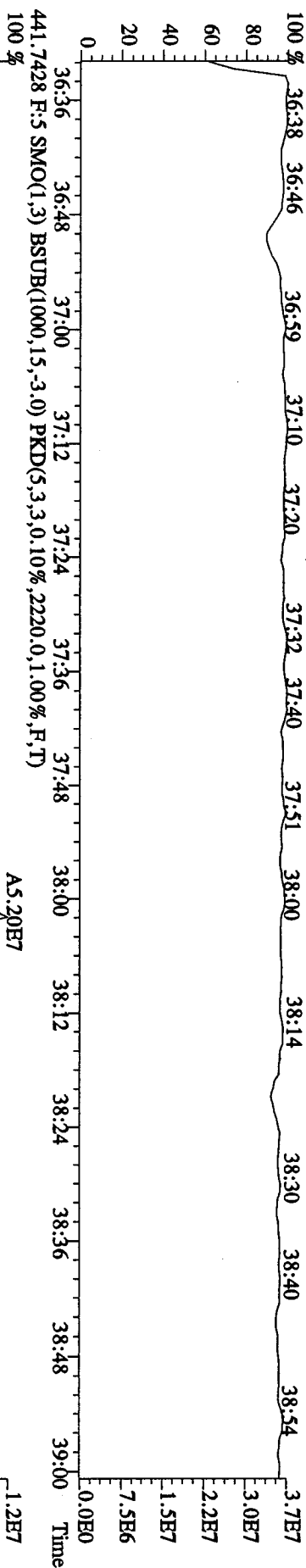
Exp: DIOXINRES8290A

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

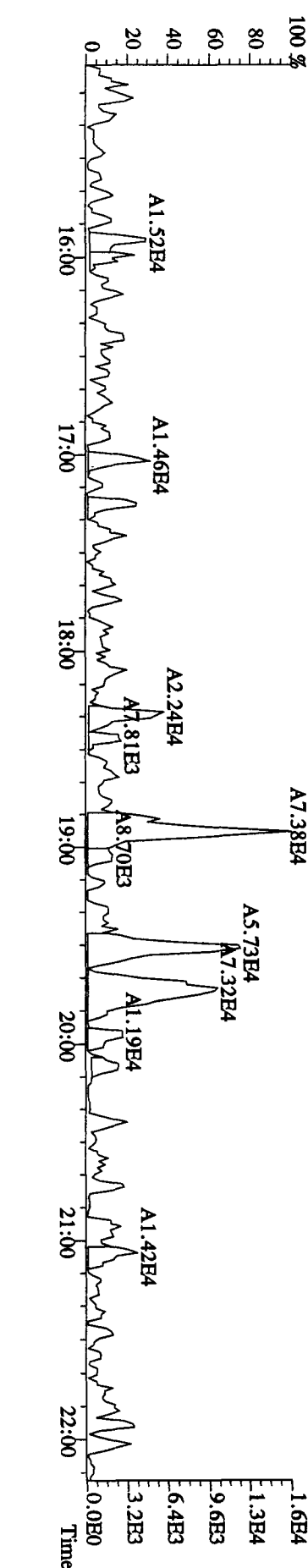
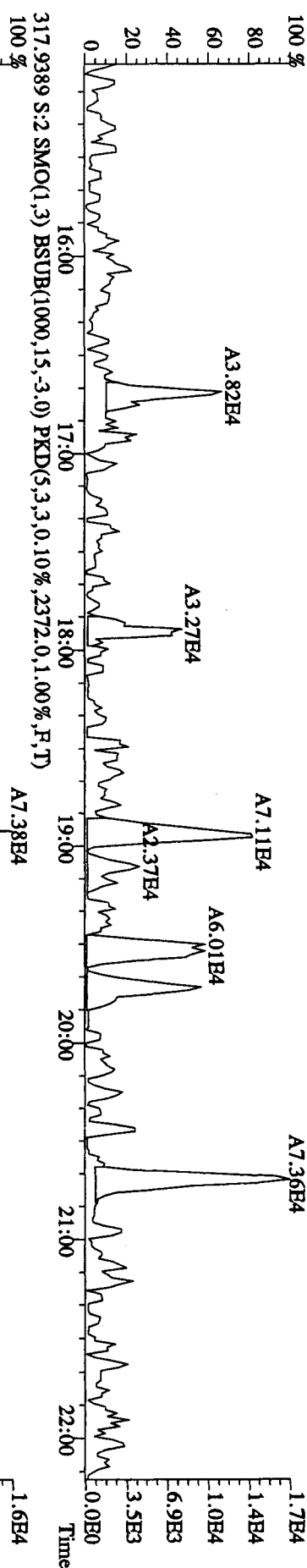
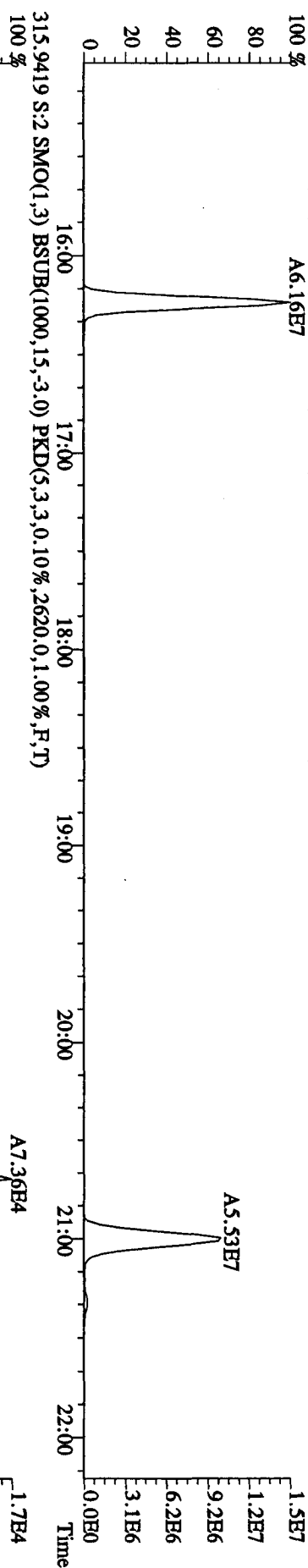
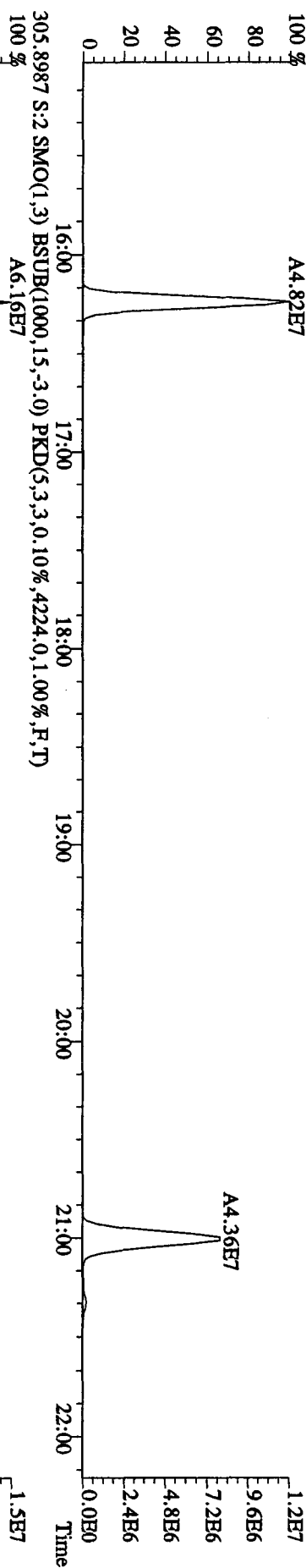




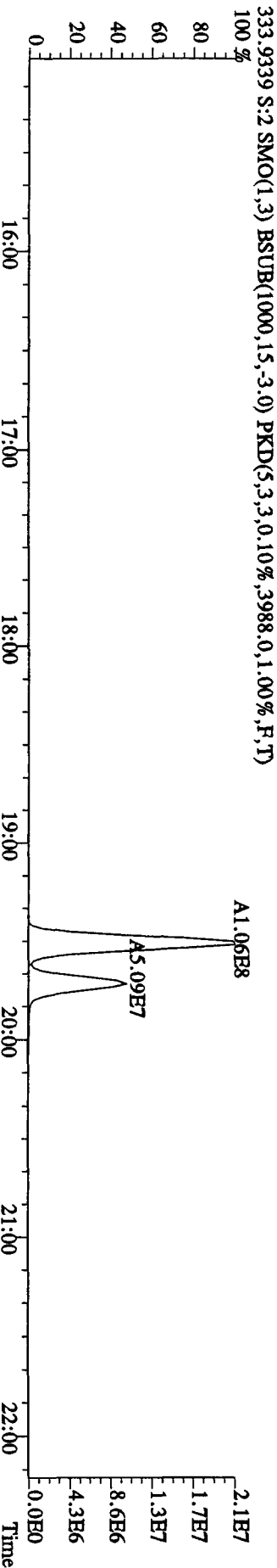
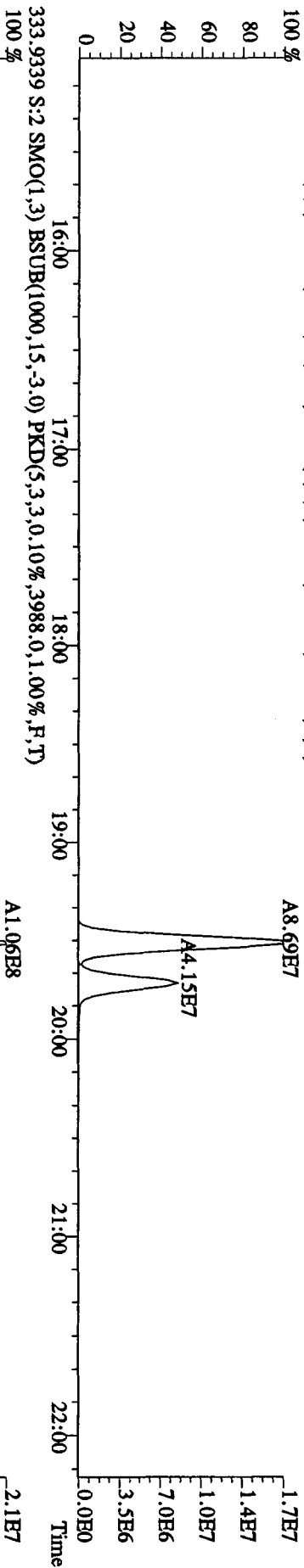
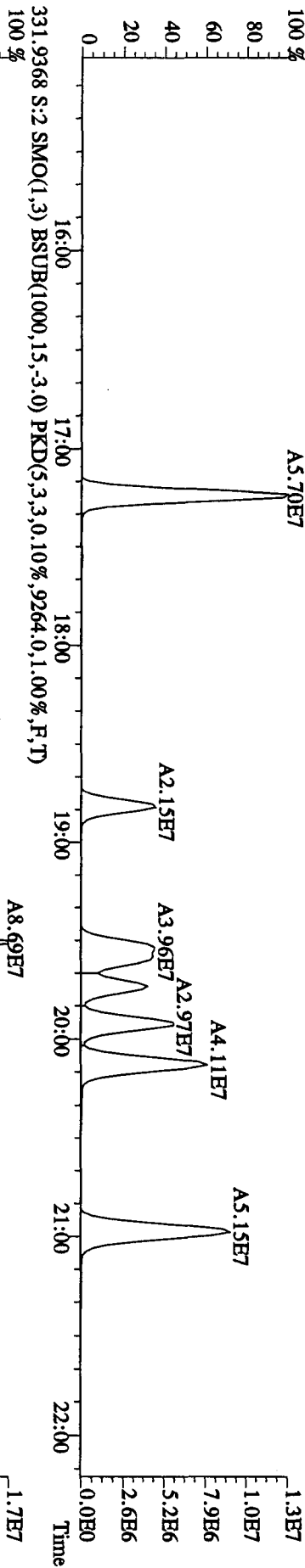
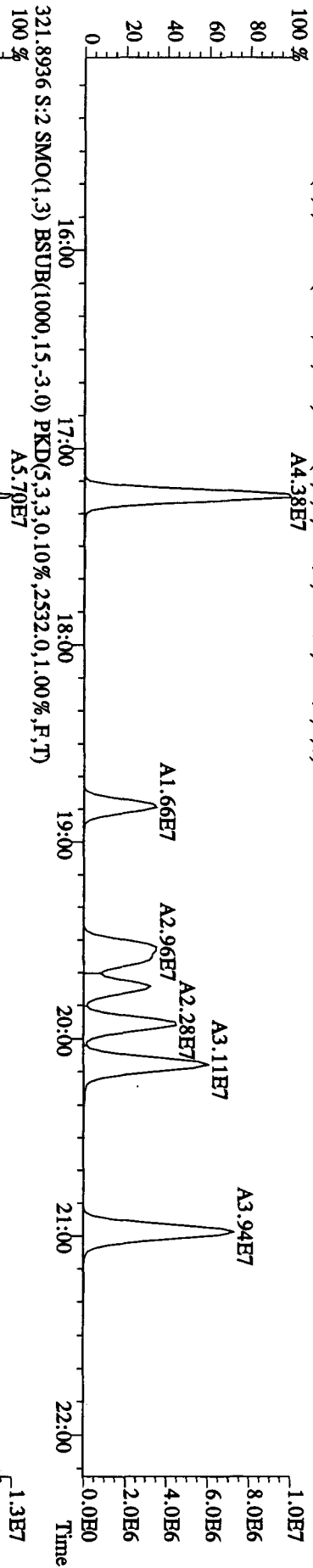
File: 27AP104D5 #1-191 Acq: 27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text: ST0427 :CS3 10DXN083 Exp: DIOXINRES8290A



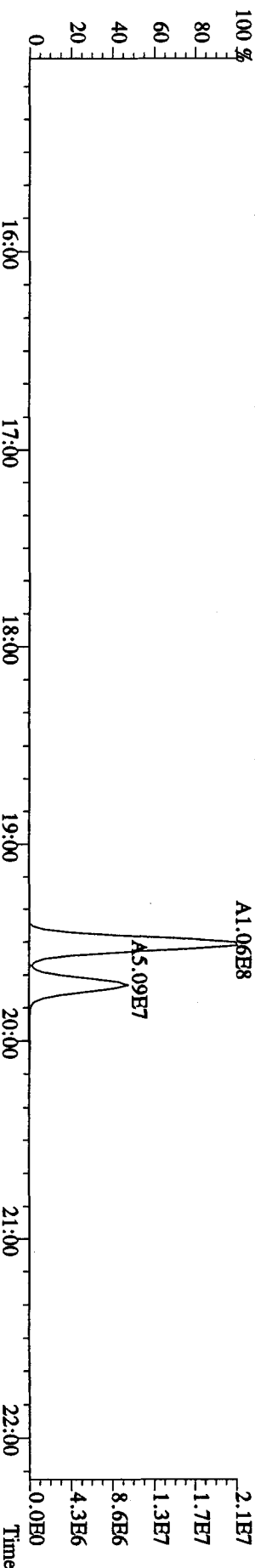
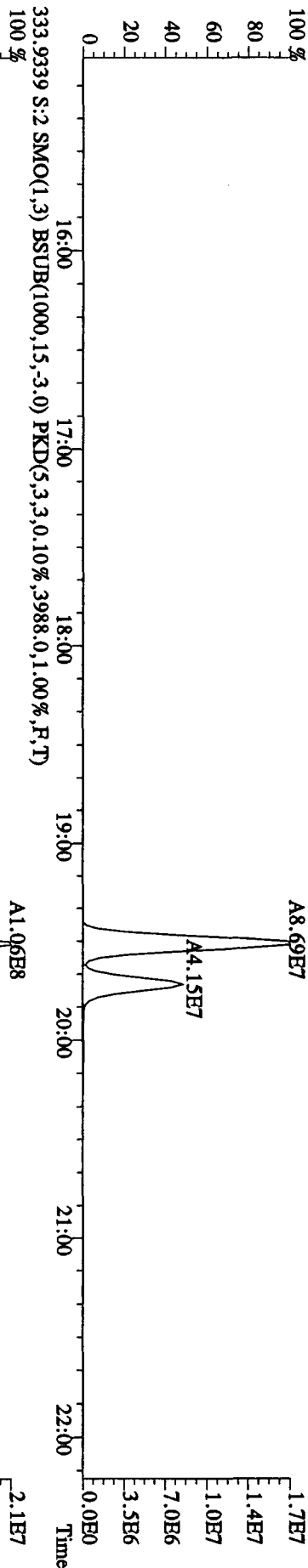
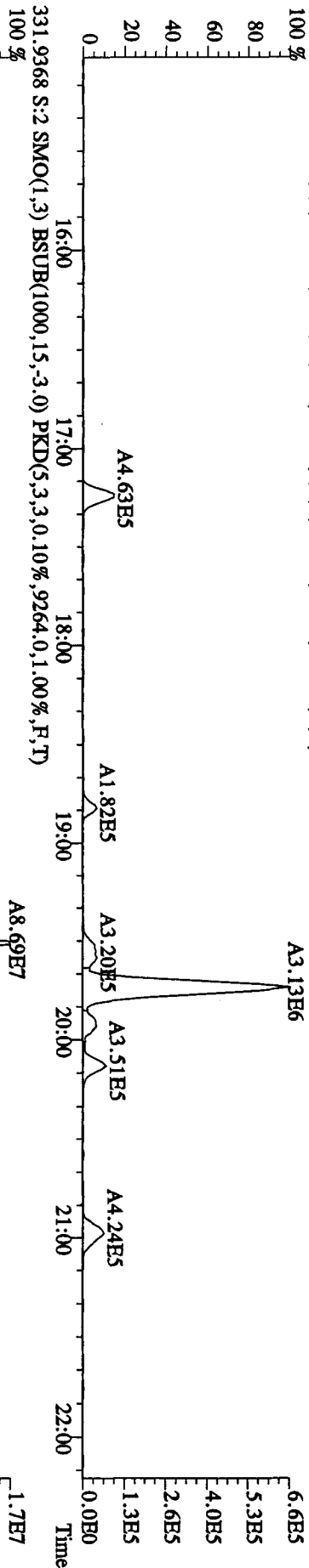
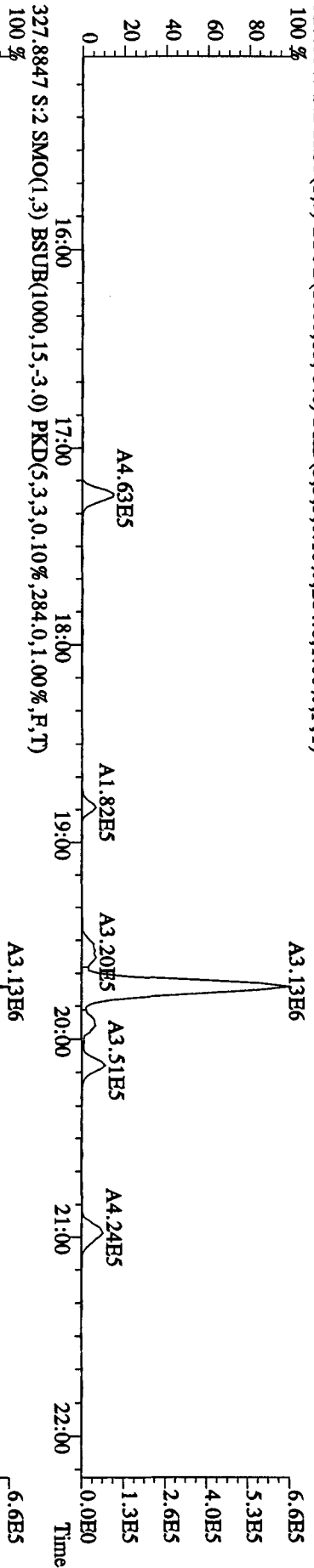
File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1060,0,1,00%,F,T)
 100% A4.82E7



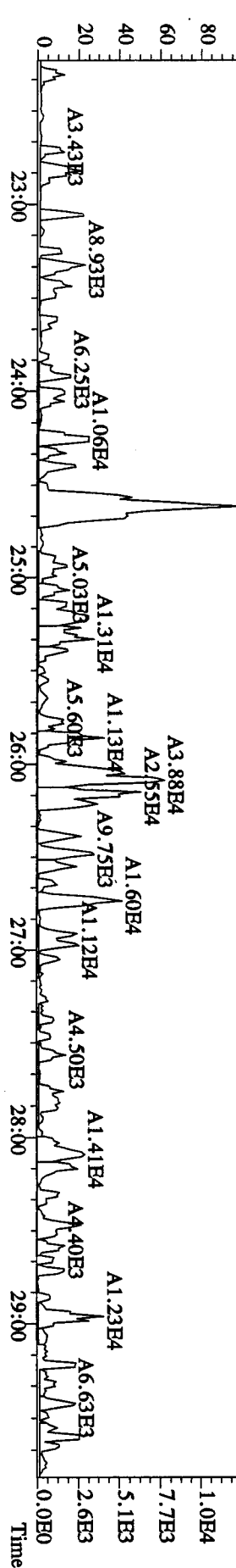
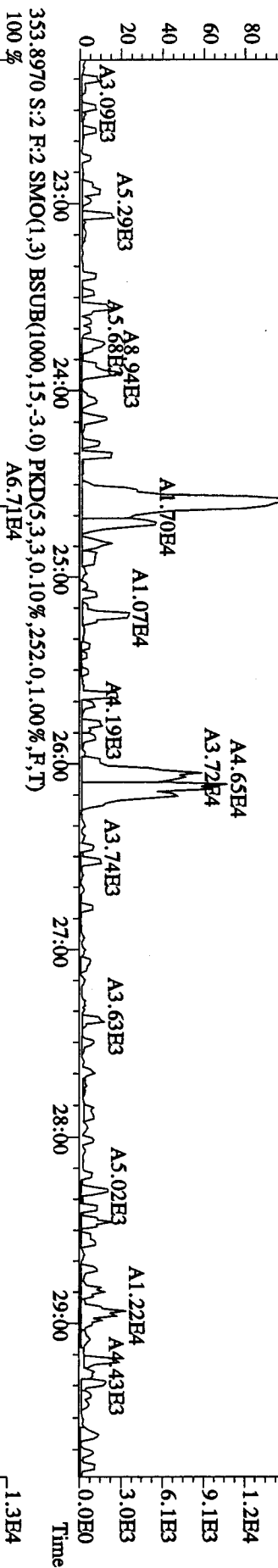
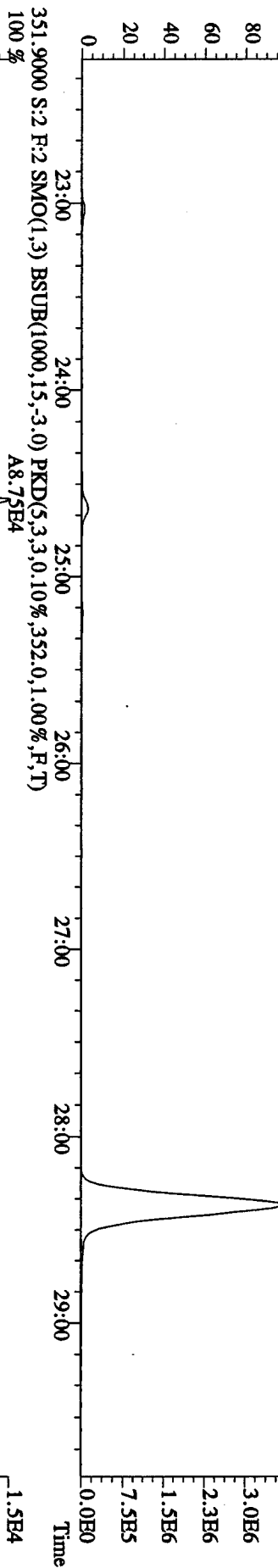
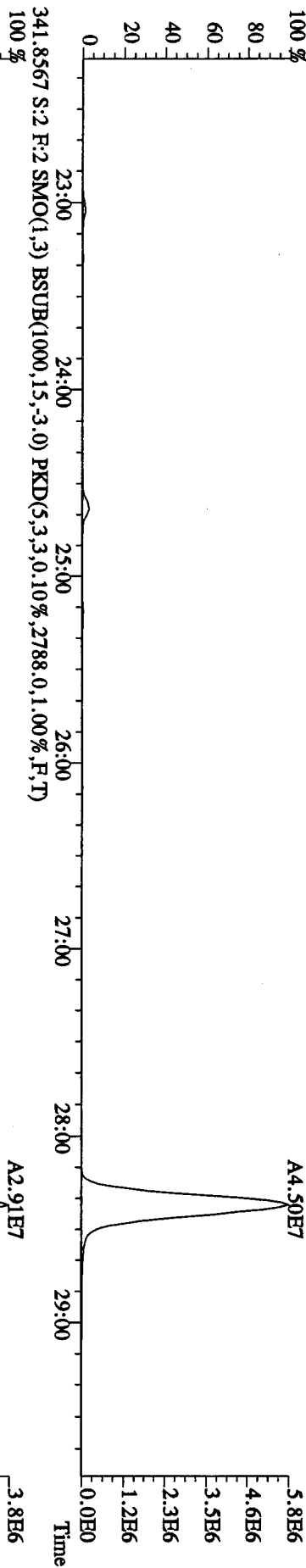
File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2976.0,1.00%,F,T)
 A4.38E7



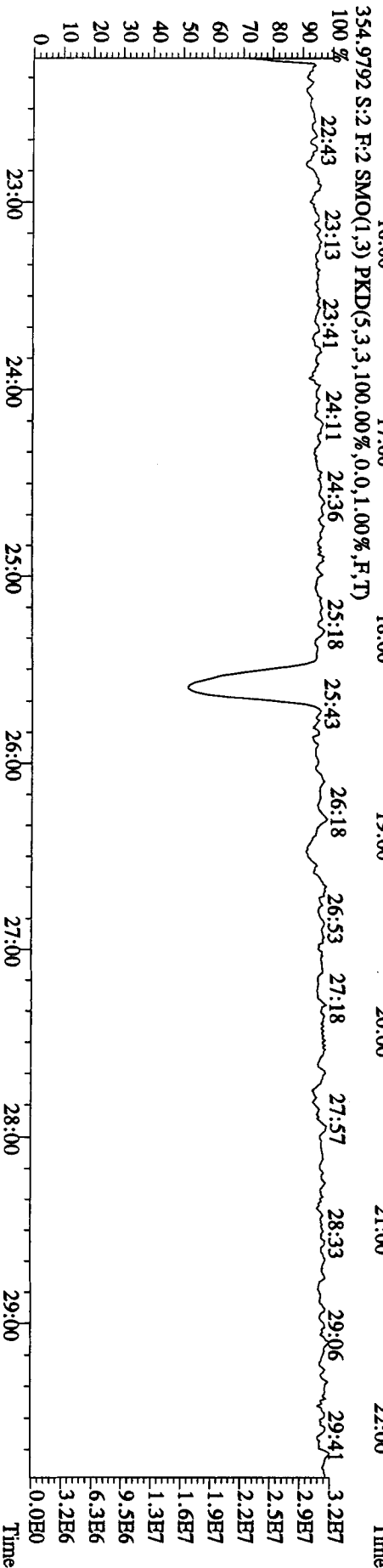
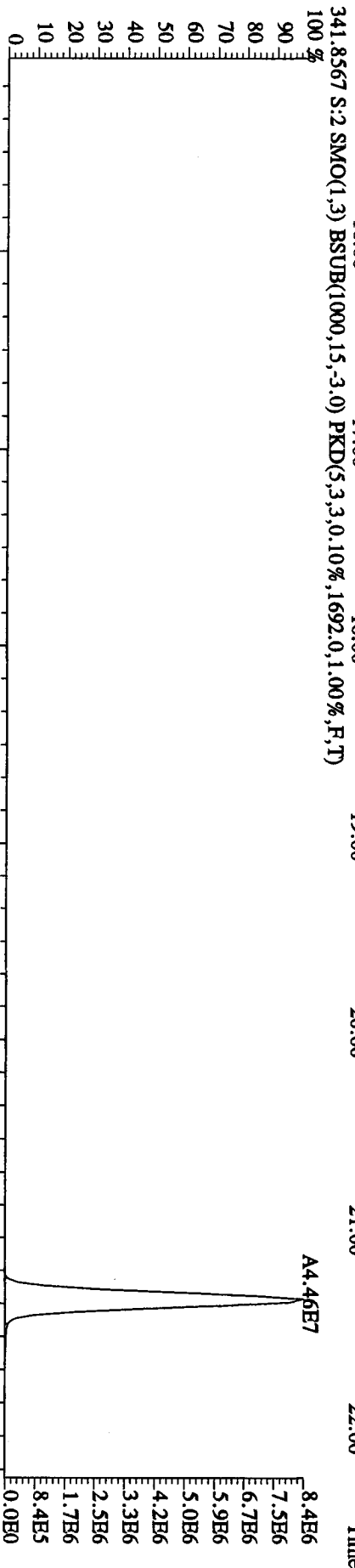
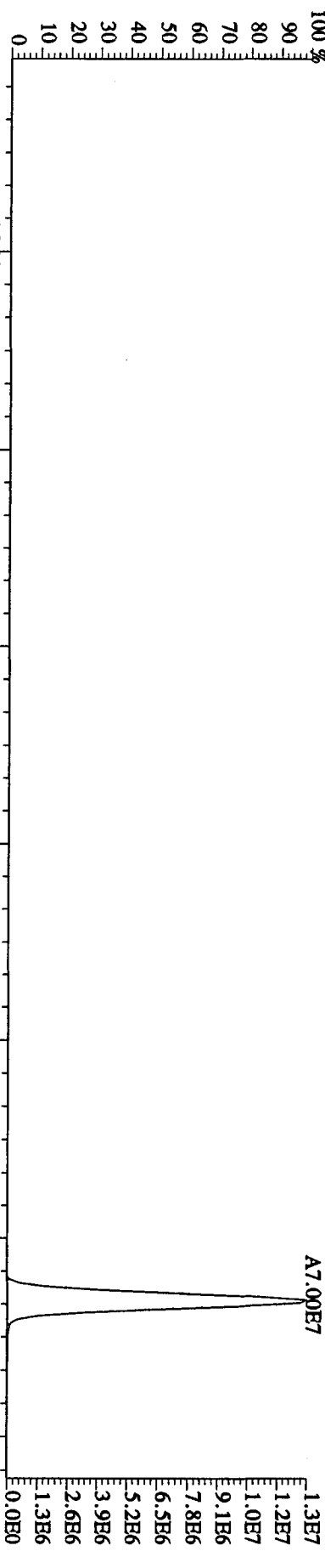
File: 27AP104D5 #1-434 Acq: 27-APR-2010 12:37:18 GC EI + Voltage SIR Autospec-UltimaE
 Sample#2 Text: CP0427 :DB-5 C/PSM 3732-05 Exp: DIOXINRES8290A
 327.8847 S: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,284.0,1.00%,F,T) 100%



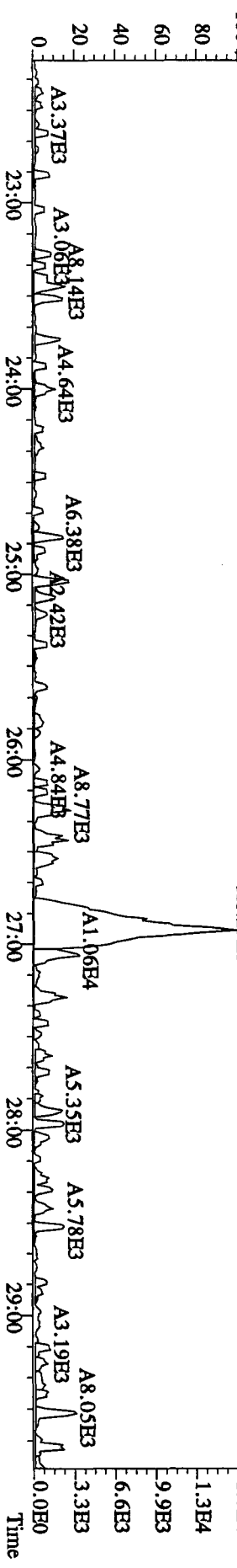
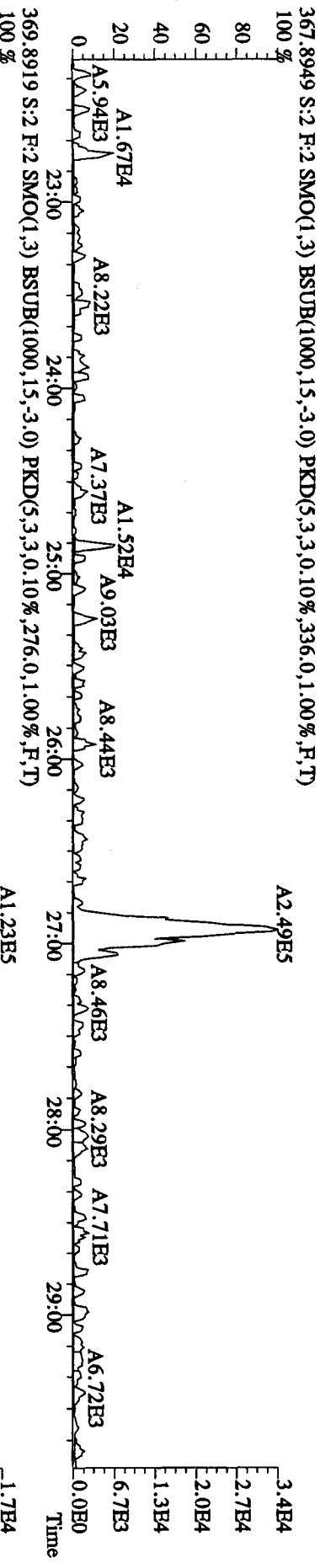
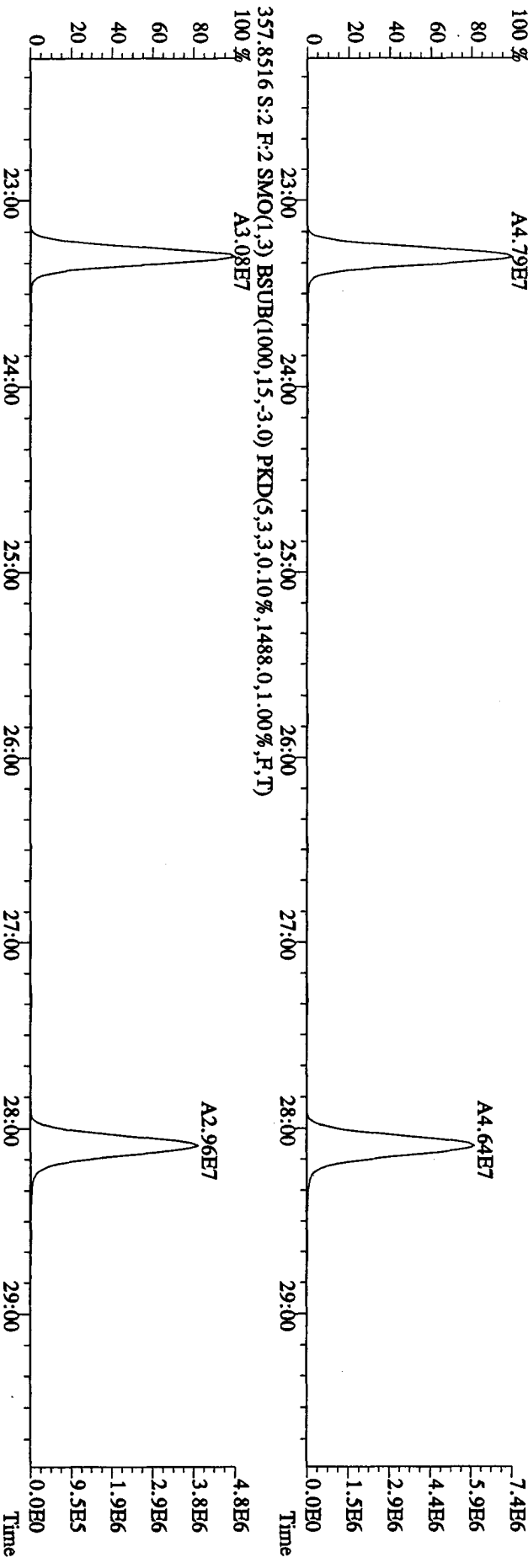
File:27AP104D5 #1-605 Acq:27-APR-2010 12:37:18 GC EI + Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1972.0,1.00%,F,T)



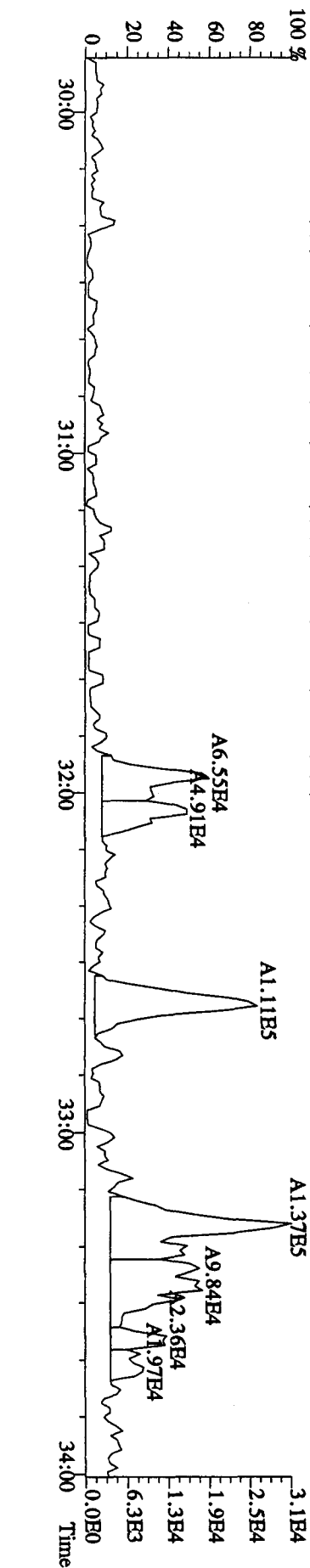
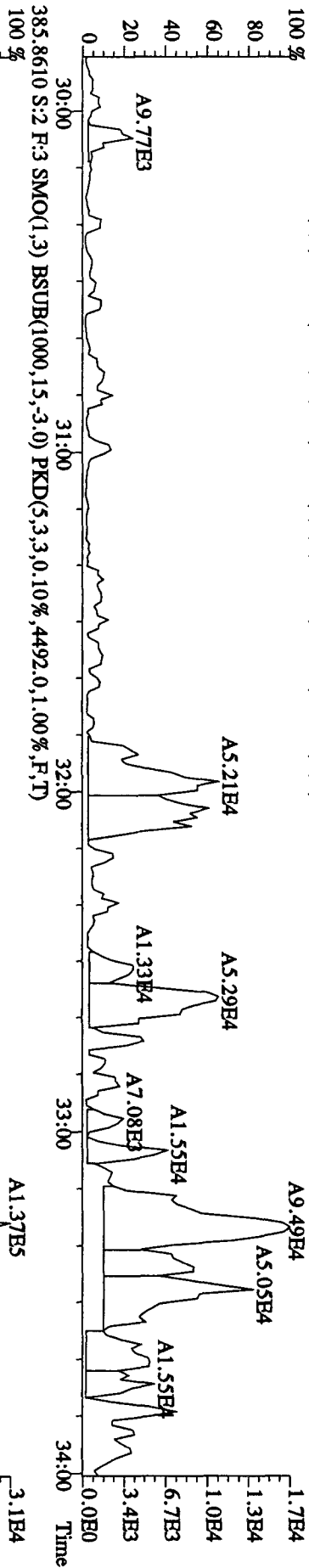
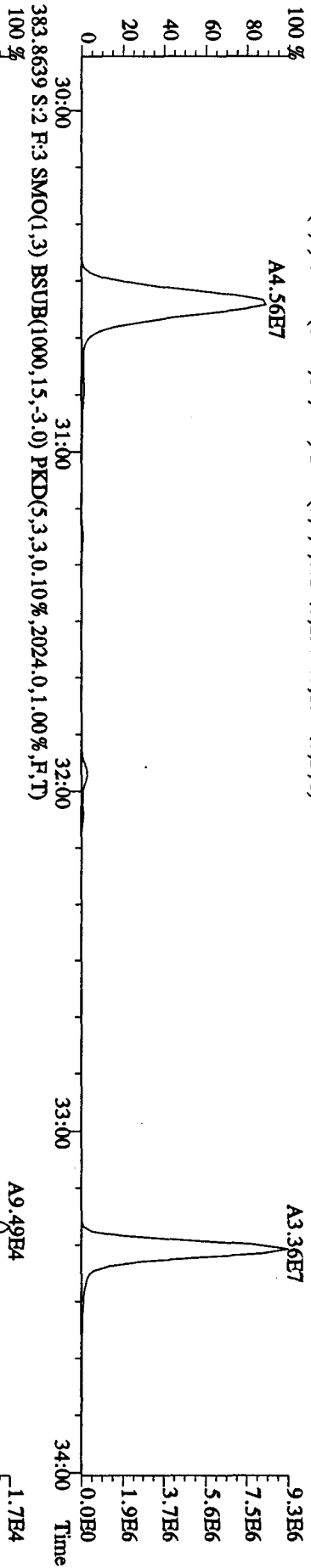
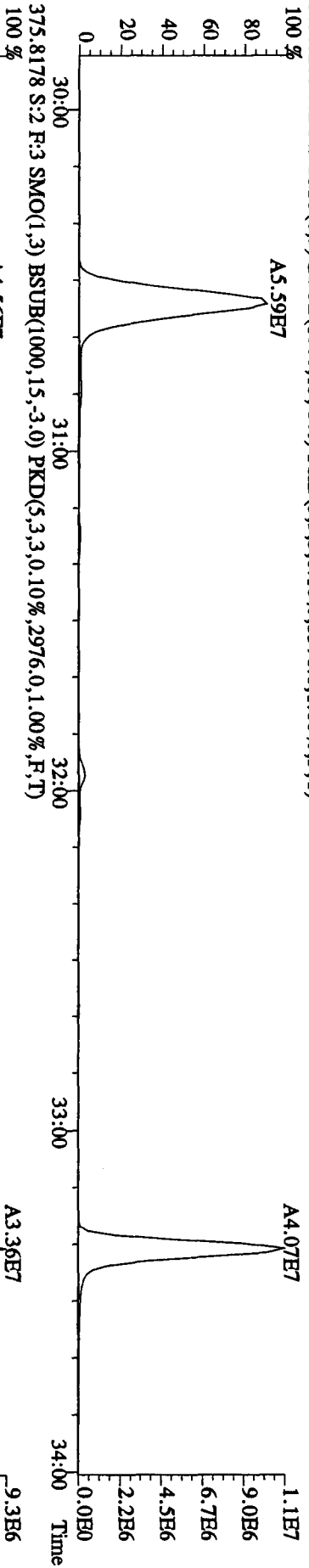
File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRESS8290A
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



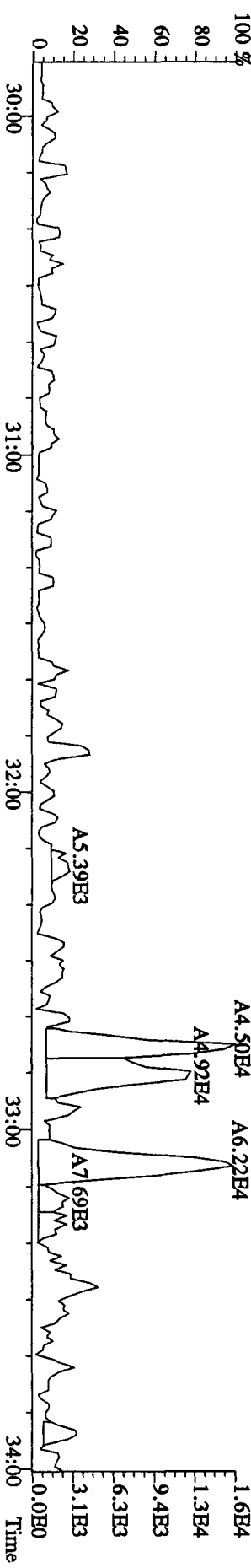
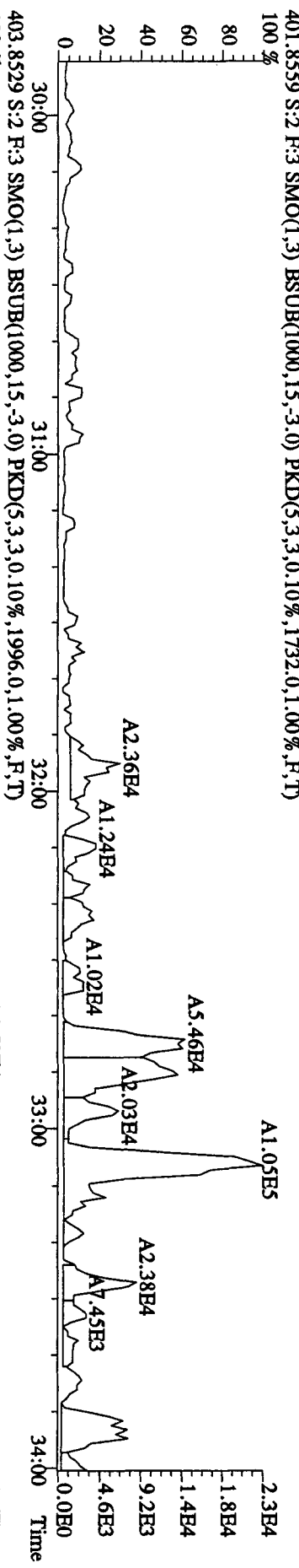
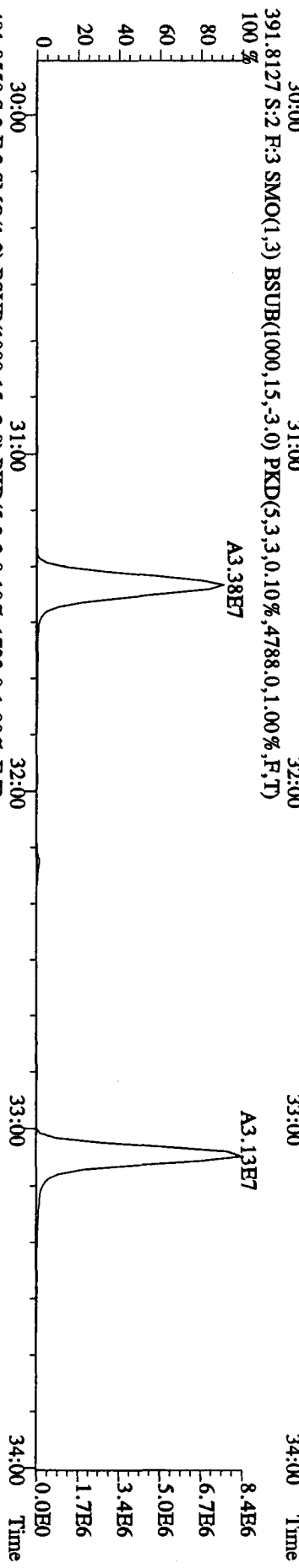
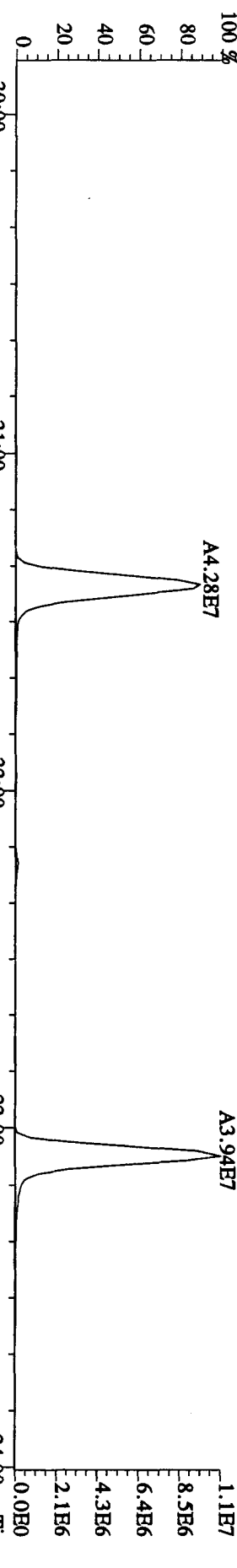
File: 27AP104D5 #1-605 Acq: 27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text: CP0427 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)
 100% A4.79E7



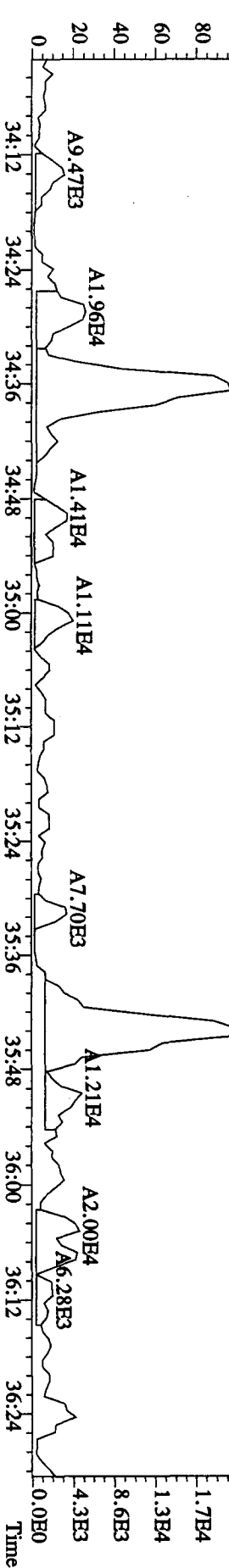
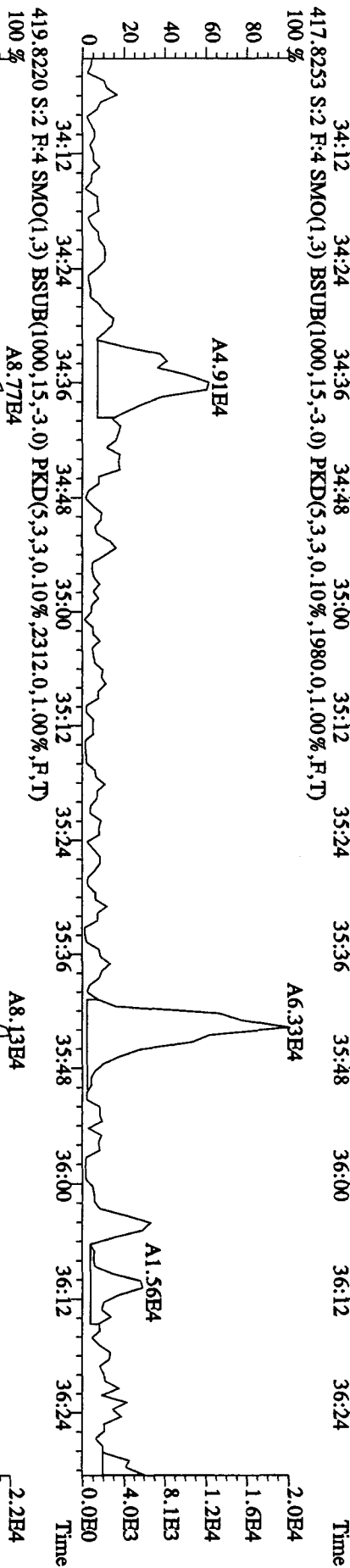
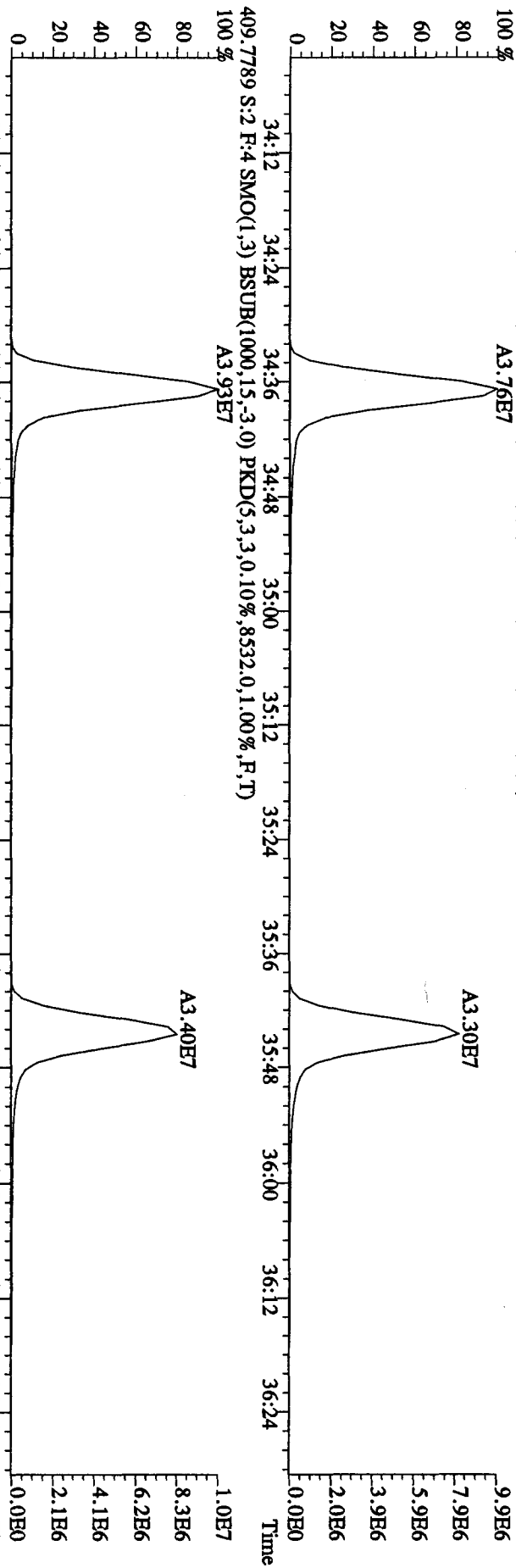
File:27AP104D5 #1-316 Acq:27-APR-2010 12:37:18 GC FI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRESS8290A
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5376.0,1.00%,F,T)



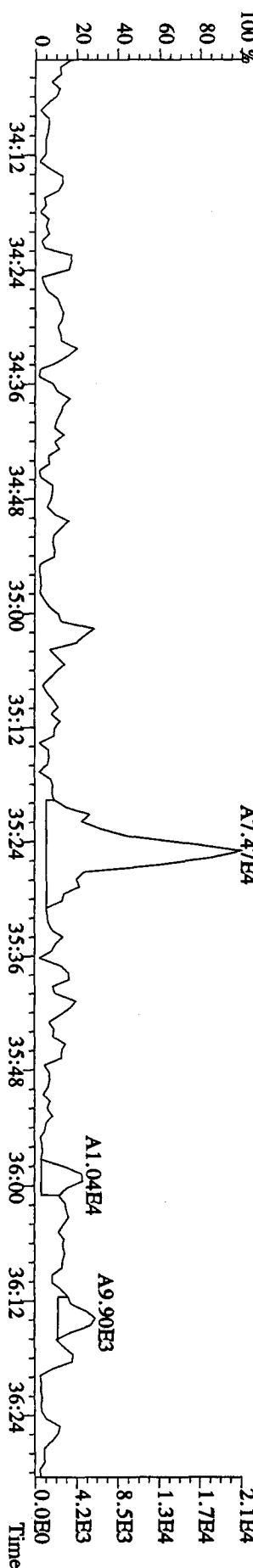
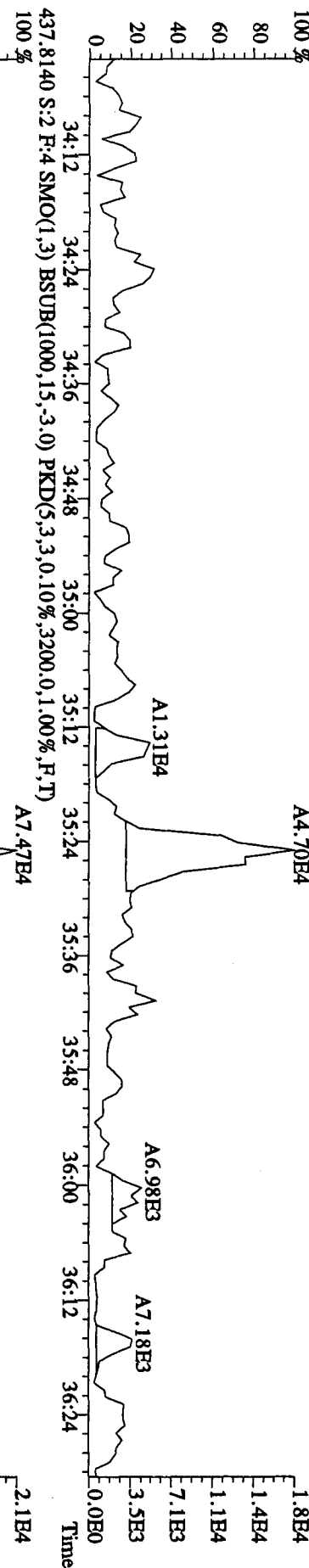
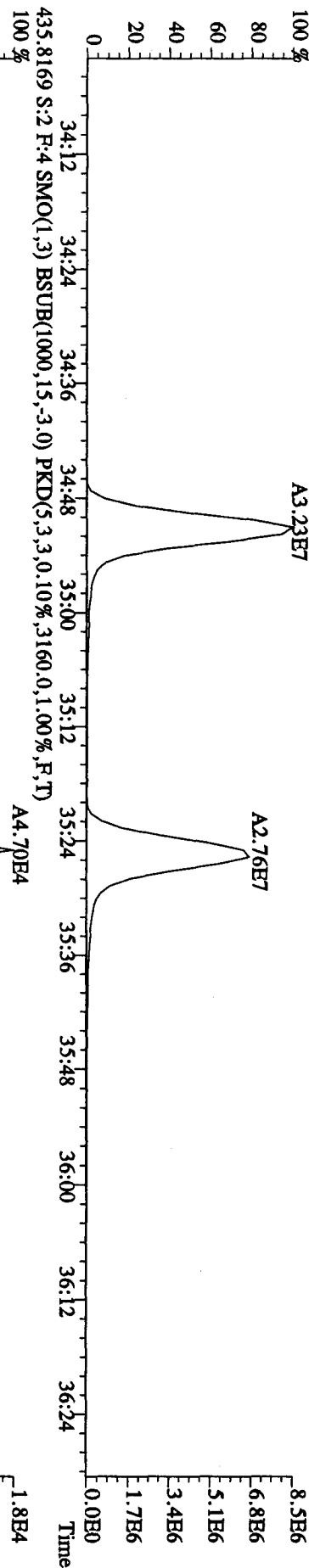
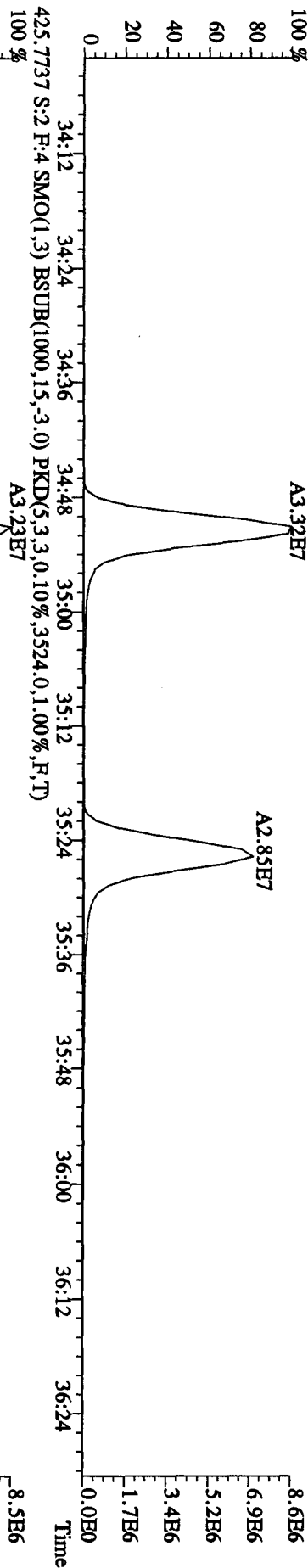
File:27AP104D5 #1-316 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,1280.0,1.00%,F,T)



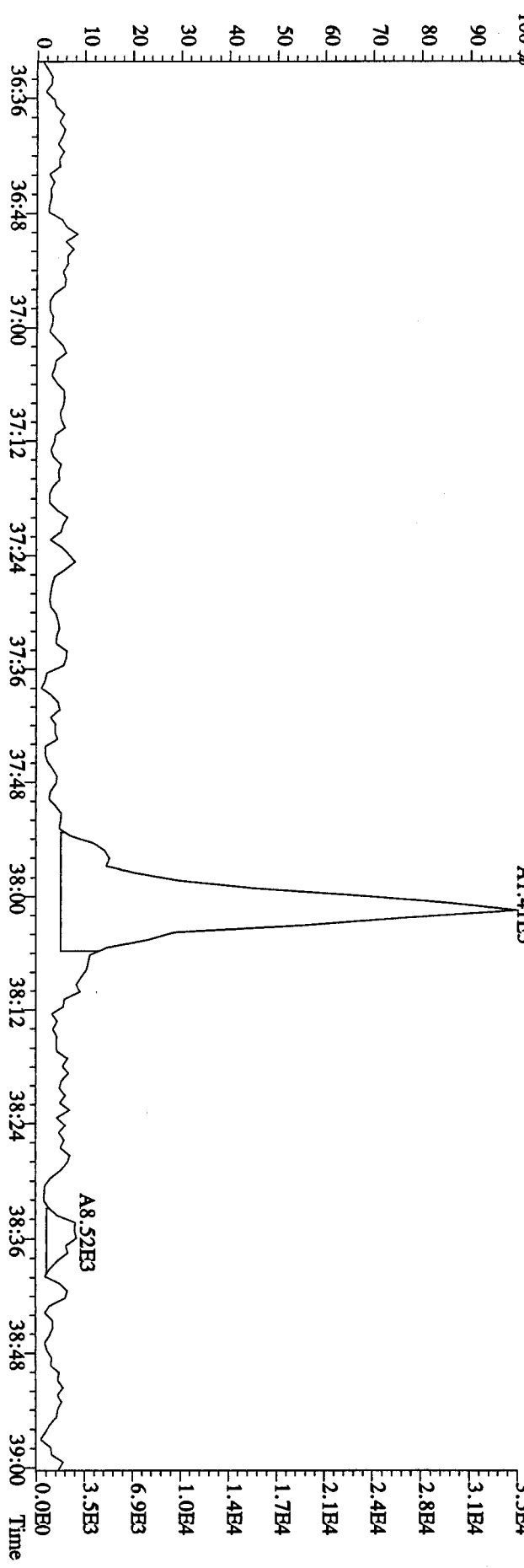
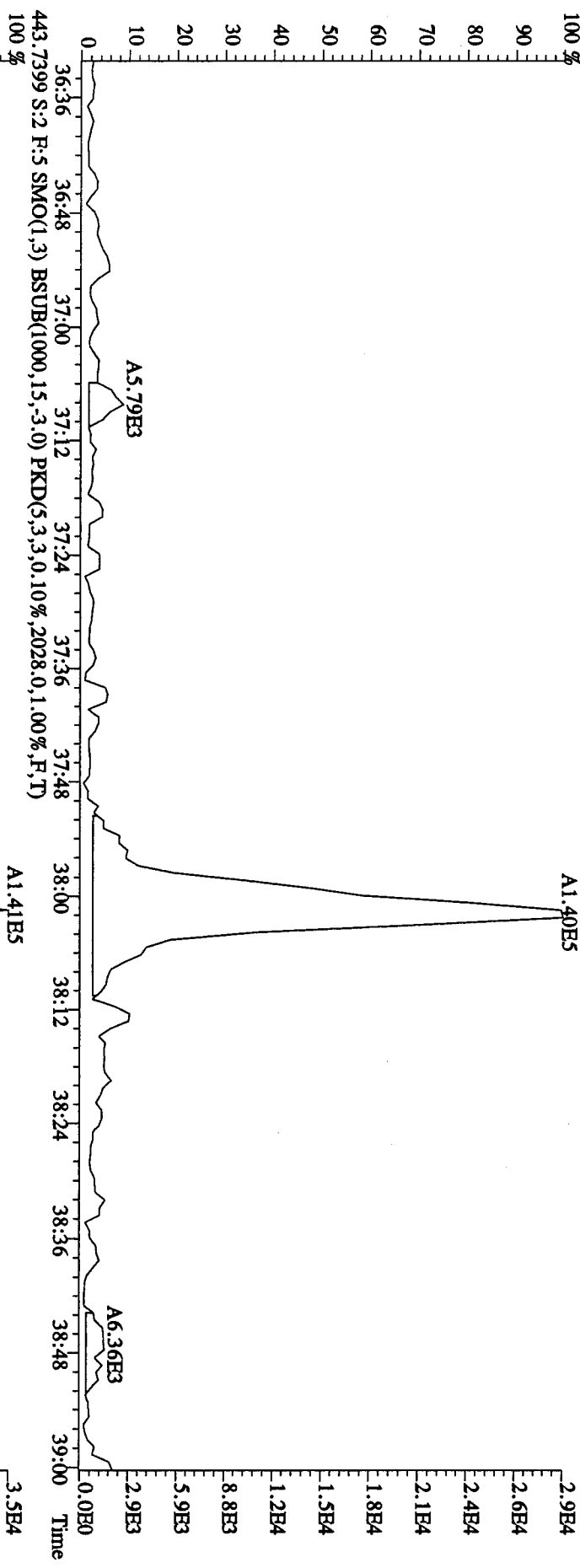
File: 27AP104D5 #1-198 Acq: 27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-Ultima
 Sample#2 Text: CP0427 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7256,0,1,00%,F,T)
 100%



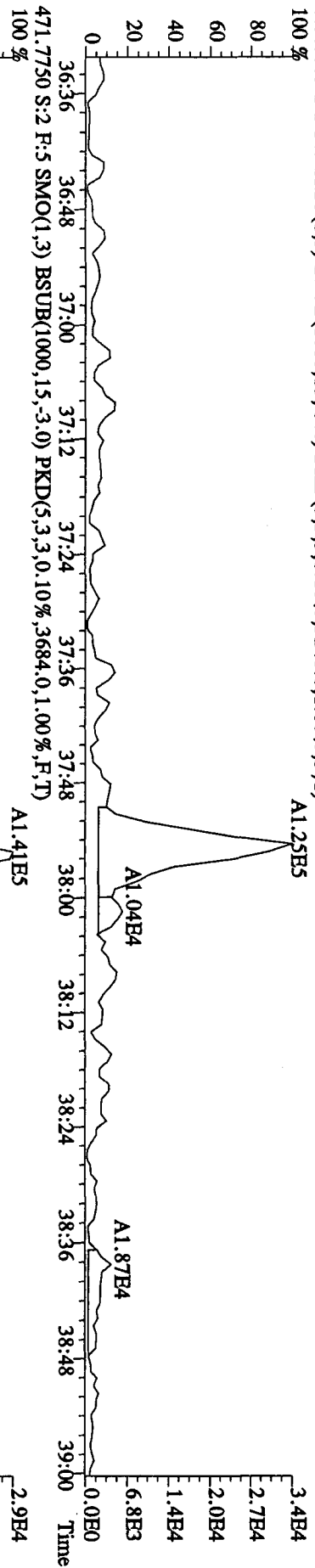
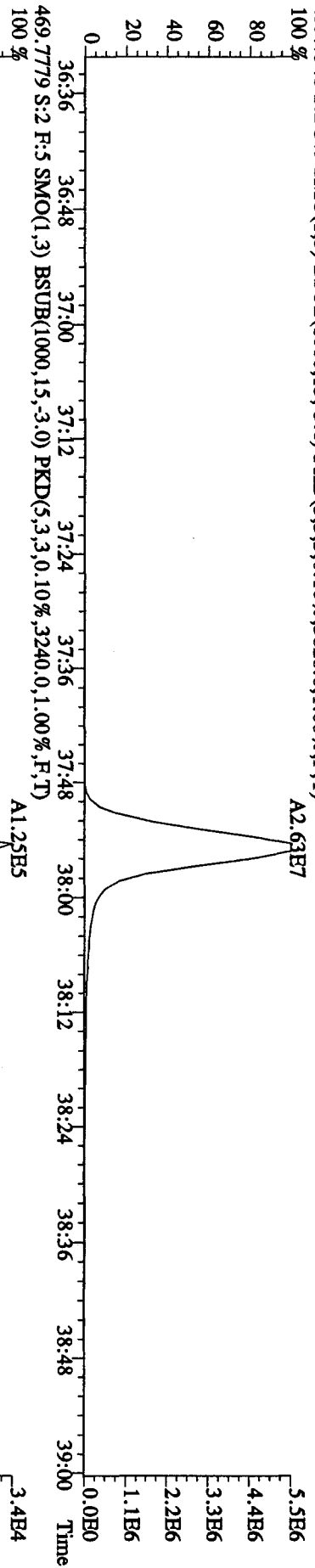
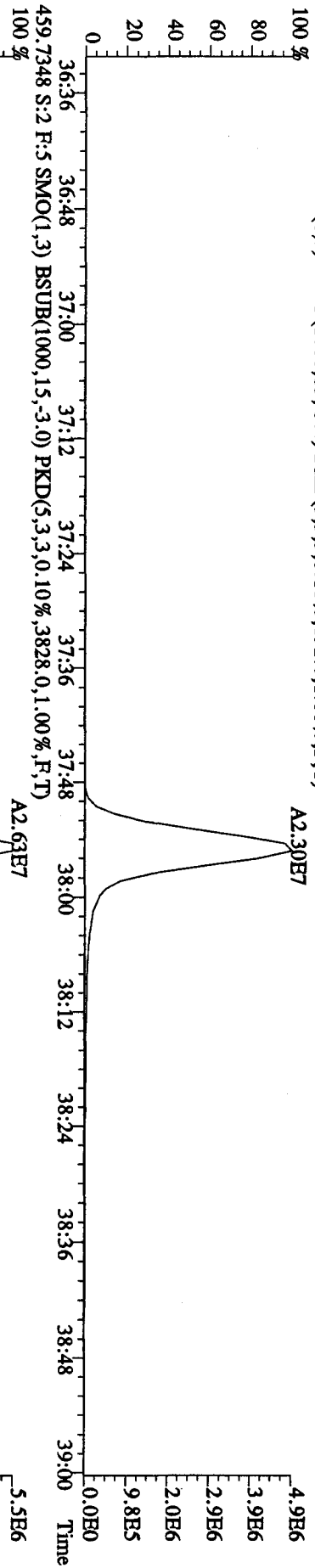
File: 27AP104D5 #1-198 Acq: 27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: CP0427 :DB-5 CPISM 3732-05 Exp: DIOXINRES8290A
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4380,0.1,0.00%,F,T)



File: 27AP104D5 #1-190 Acq: 27-APR-2010 12:37:18 GC EI+ Voltage S1R Autospec-UltimaE
 Sample# 2 Text: CP0427 : DB-5 CP5M 3732-05 Exp: DIOXINRES8290A
 441.7428 S: 2 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



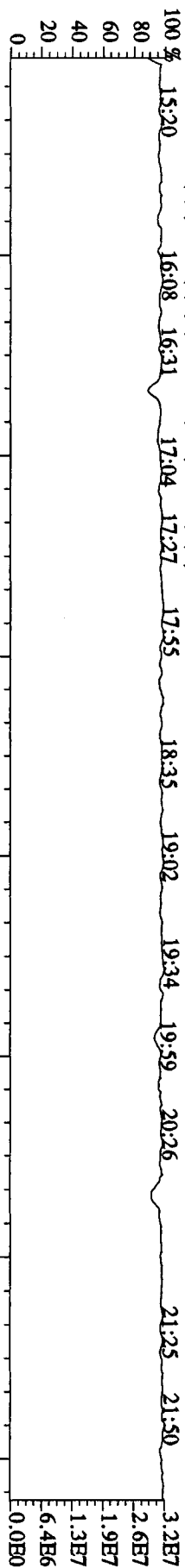
File:27AD104D5 #1-190 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0427 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692.0,1.00%,F,T)



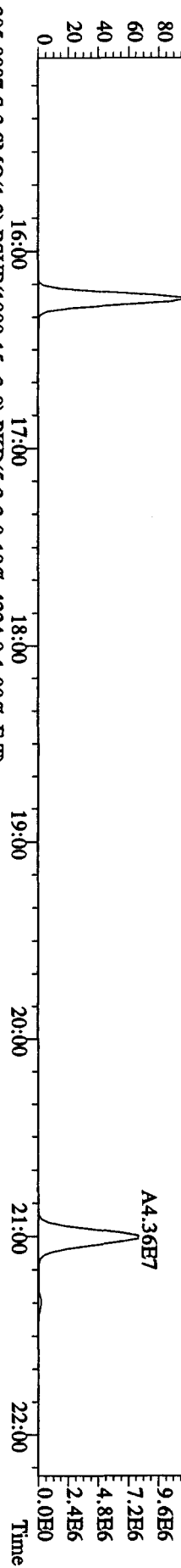
File: 27AP104D5 #1-434 Acq: 27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text: CP0427 :DB-5 CP5M 3732-05 Exp: DIOXINRES8290A

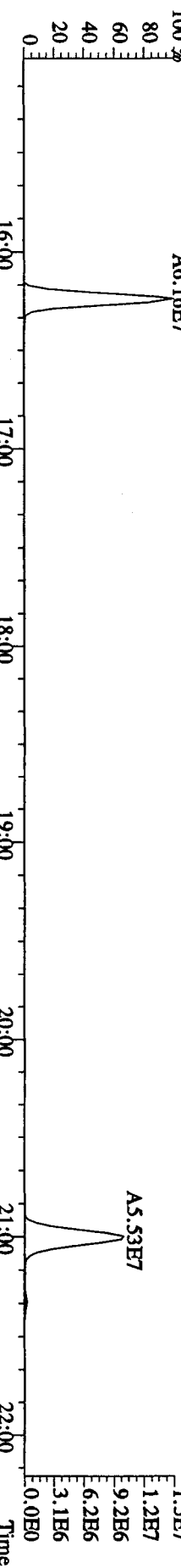
354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



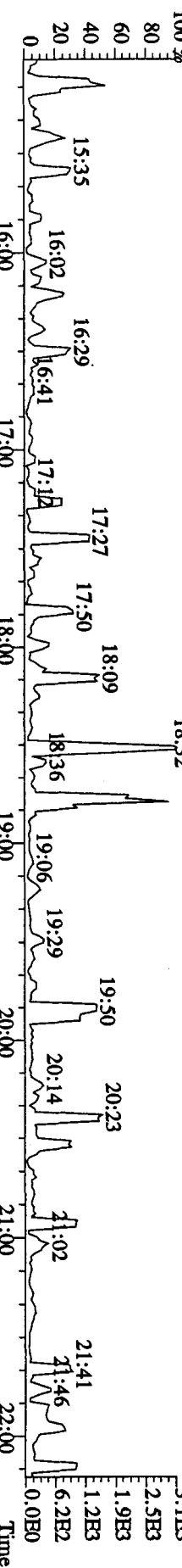
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1060.0,1.00%,F,T)



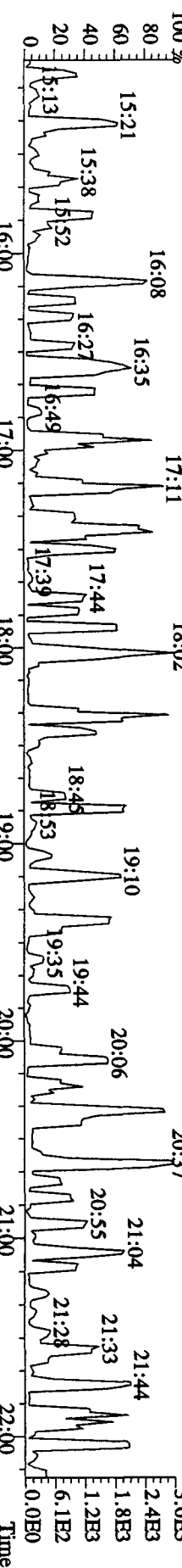
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4224.0,1.00%,F,T)



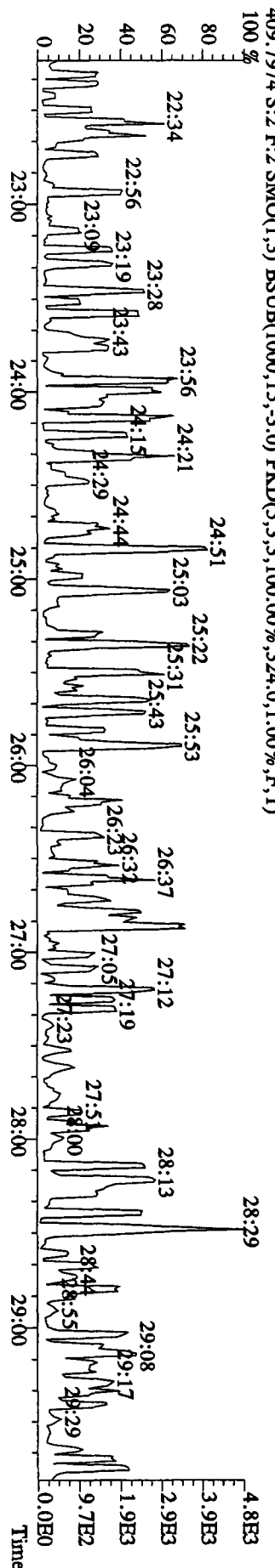
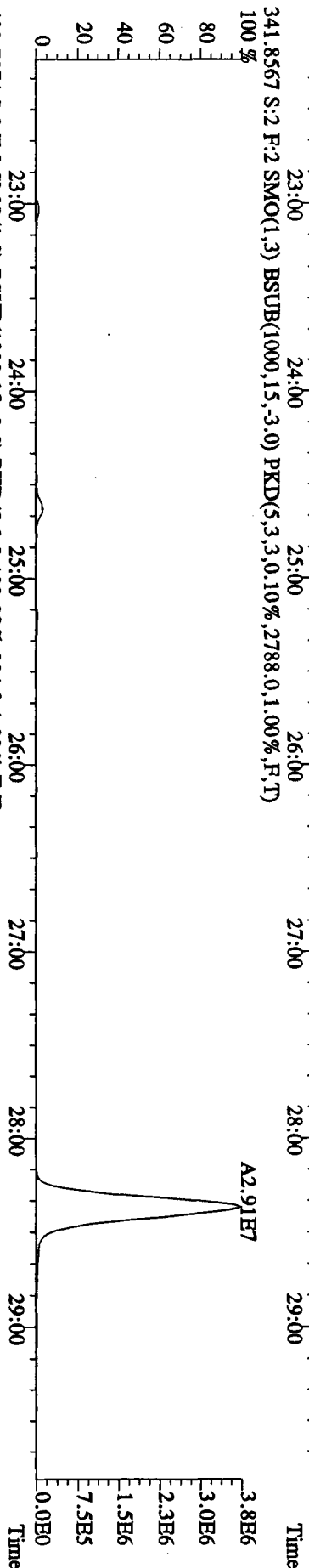
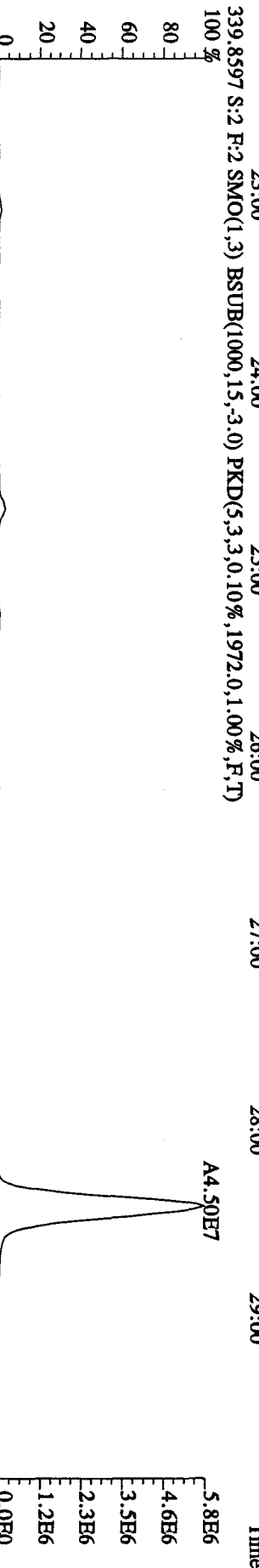
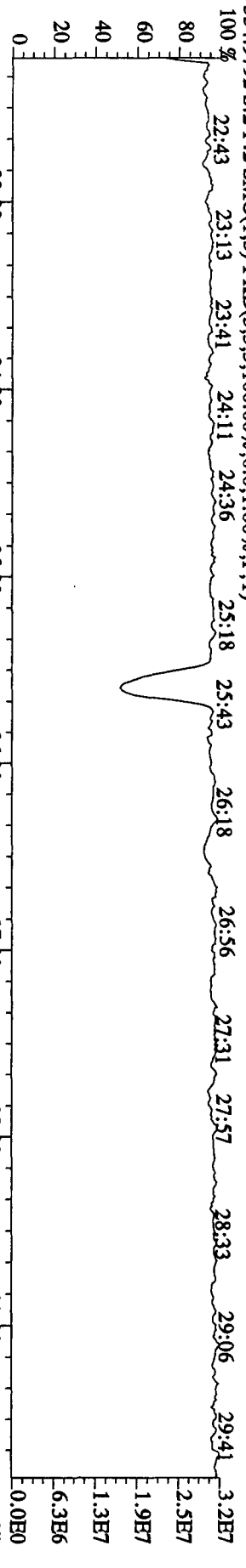
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,156.0,1.00%,F,T)



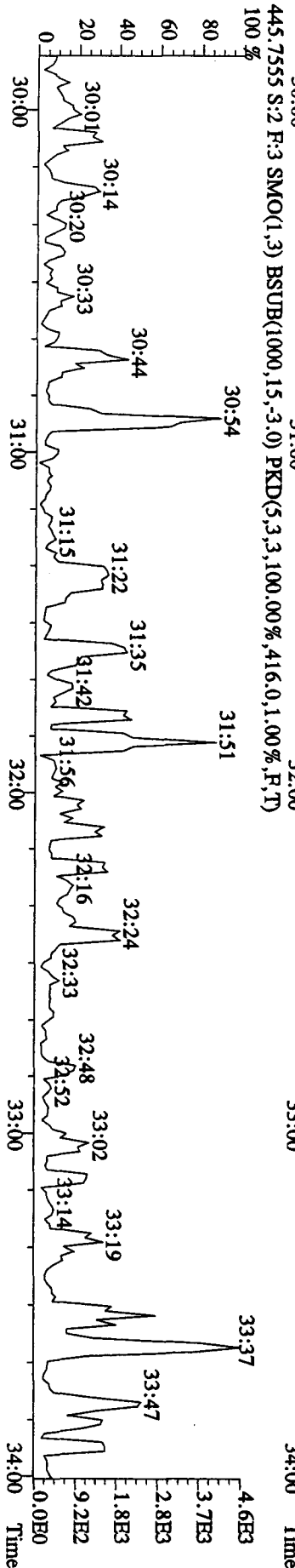
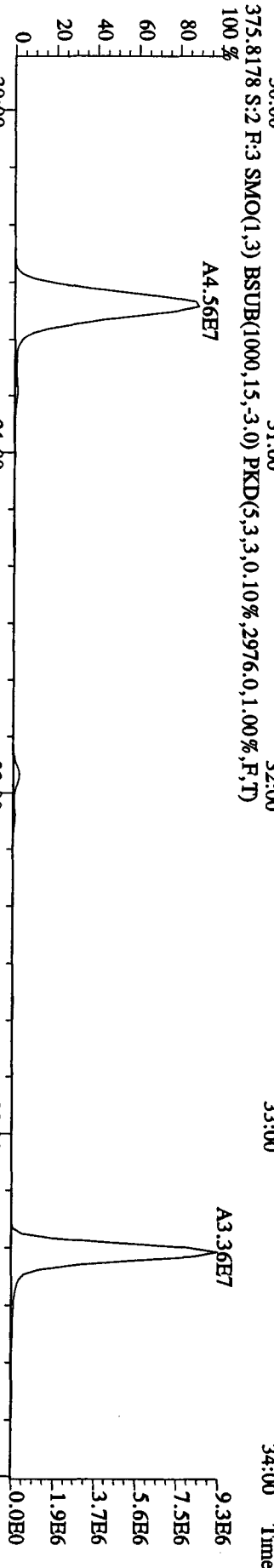
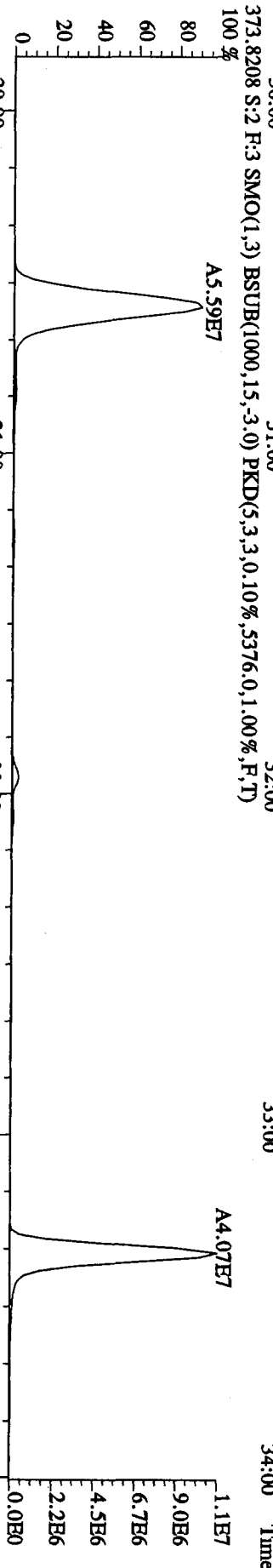
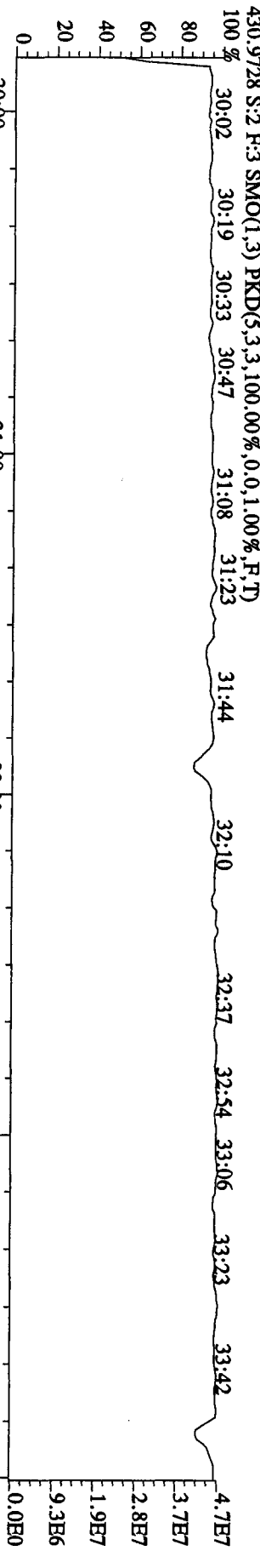
409.7974 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,140.0,1.00%,F,T)



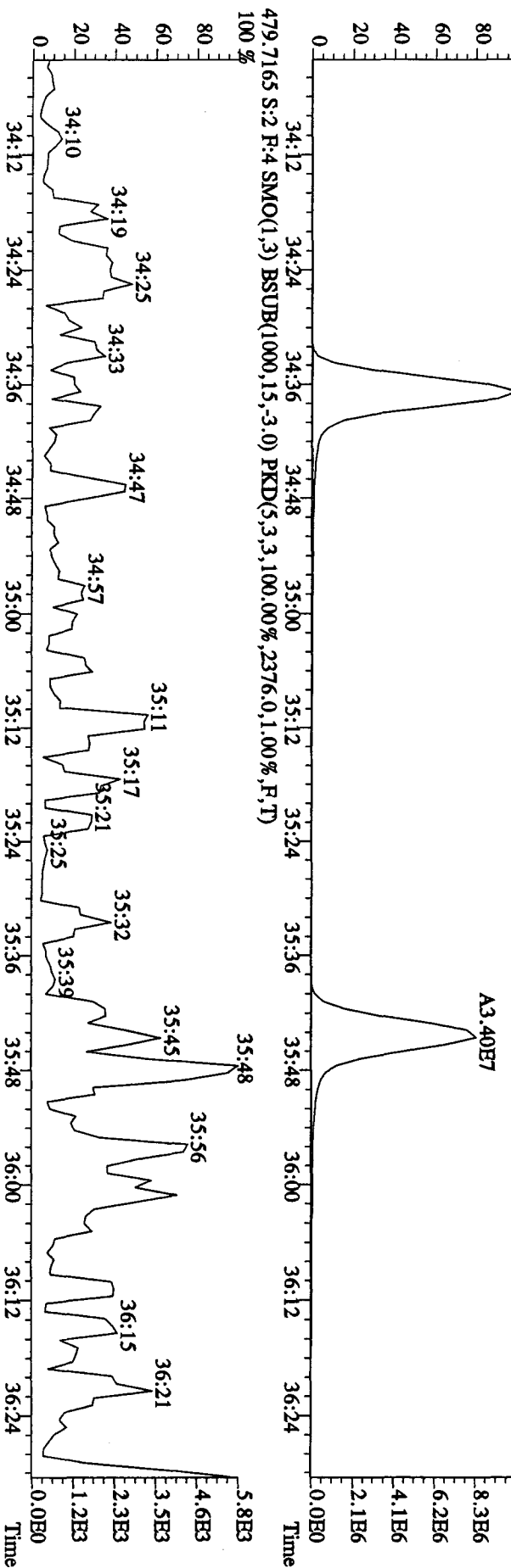
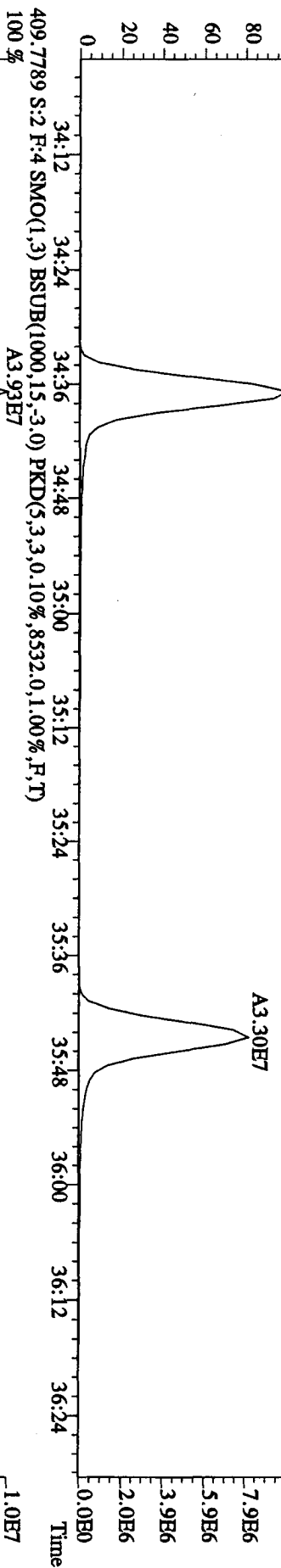
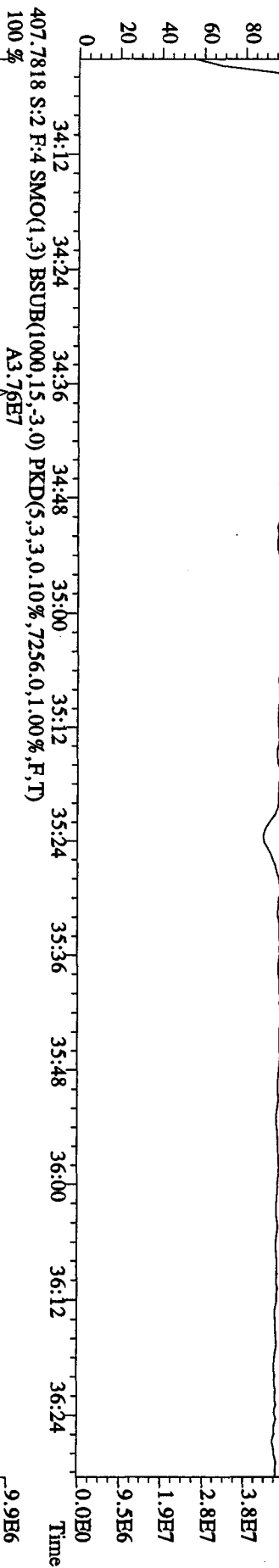
File:27AP104D5 #1-605 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0427 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A

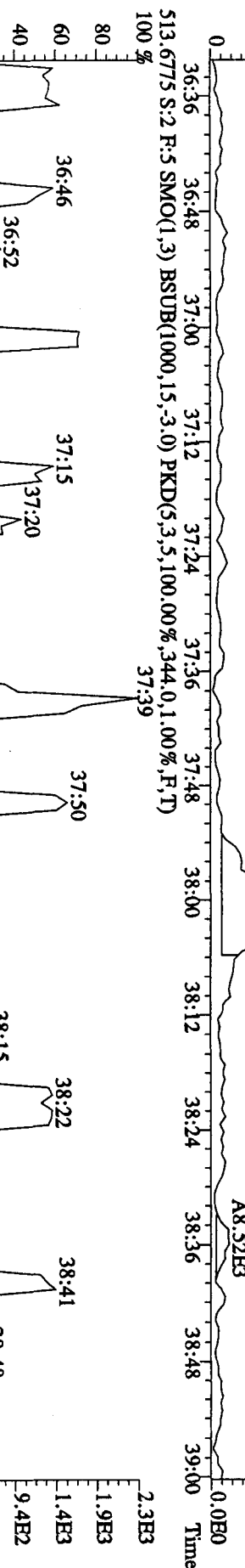
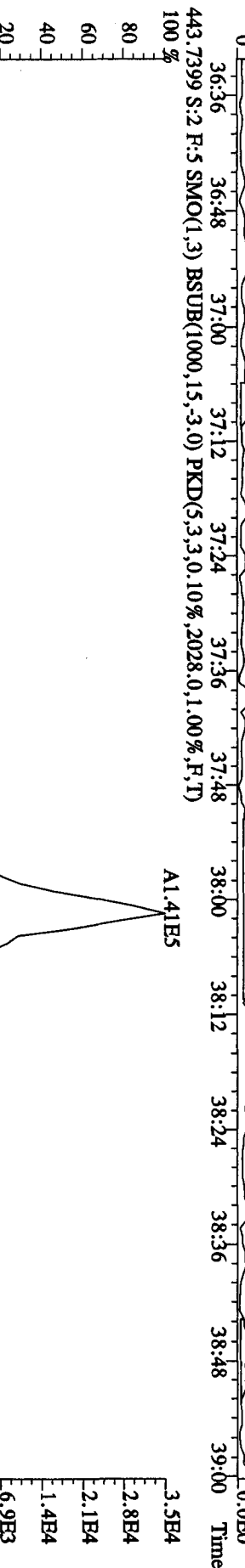
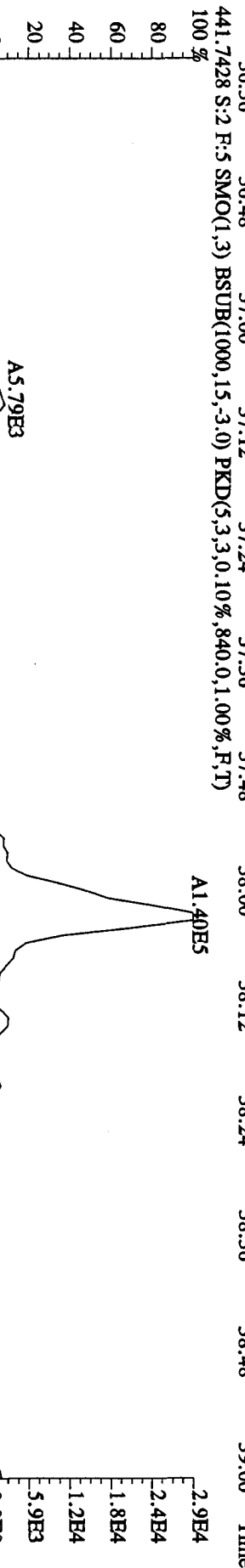
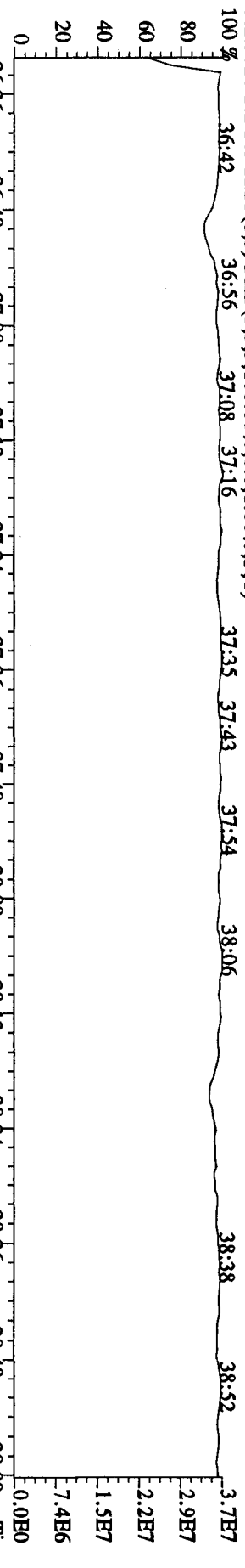


File: 27AP104D5 #1-316 Acq: 27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text: CP0427 :DB-5 CP5M 3732-05 Exp: DIOXINRES8290A

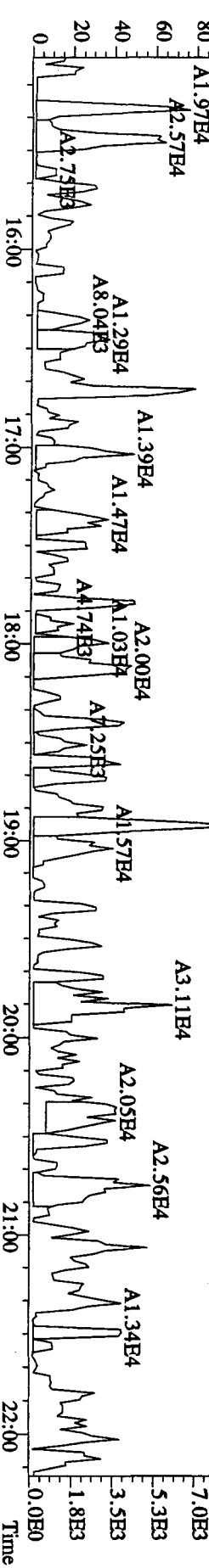
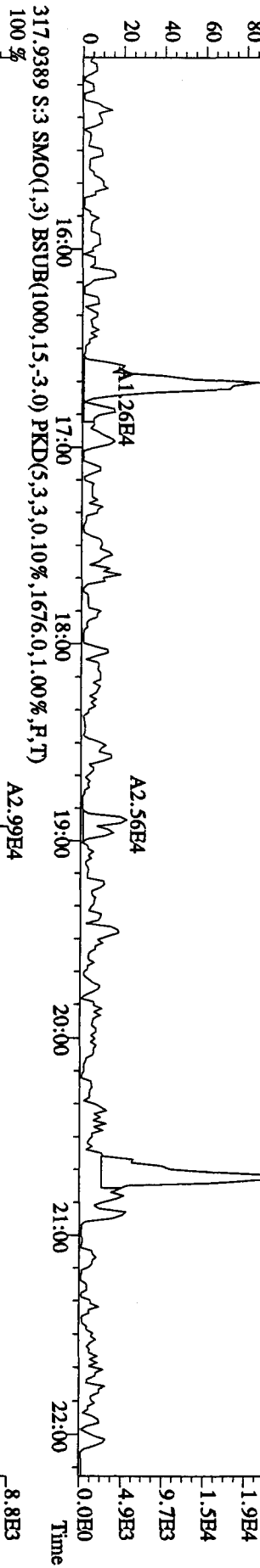
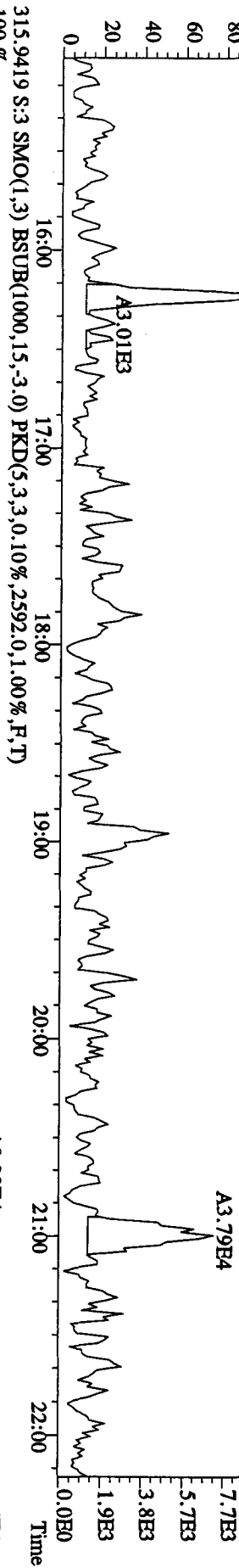
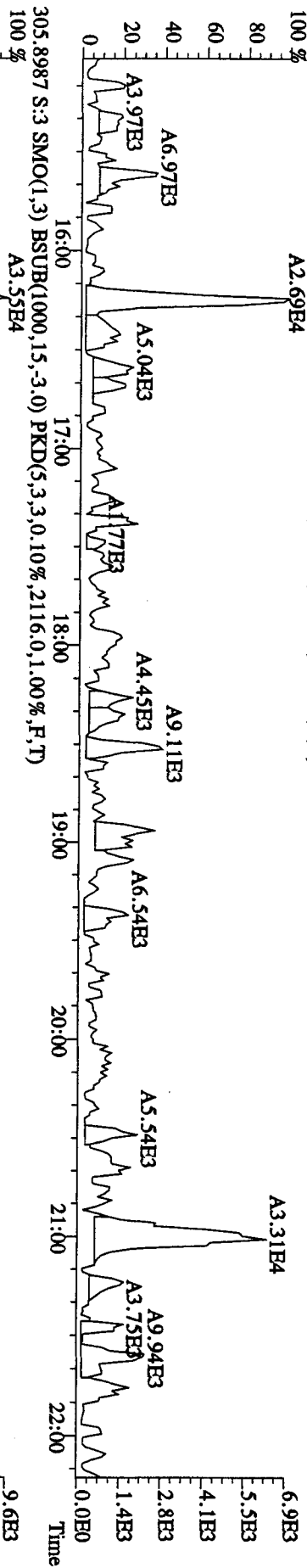


File:27AP104D5 #1-198 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:CP0427 :DB-5 CPM 3732-05 Exp:DIOXINRES8290A
 430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 34:14 34:28 34:59 35:17 35:29 35:42 35:58 36:11

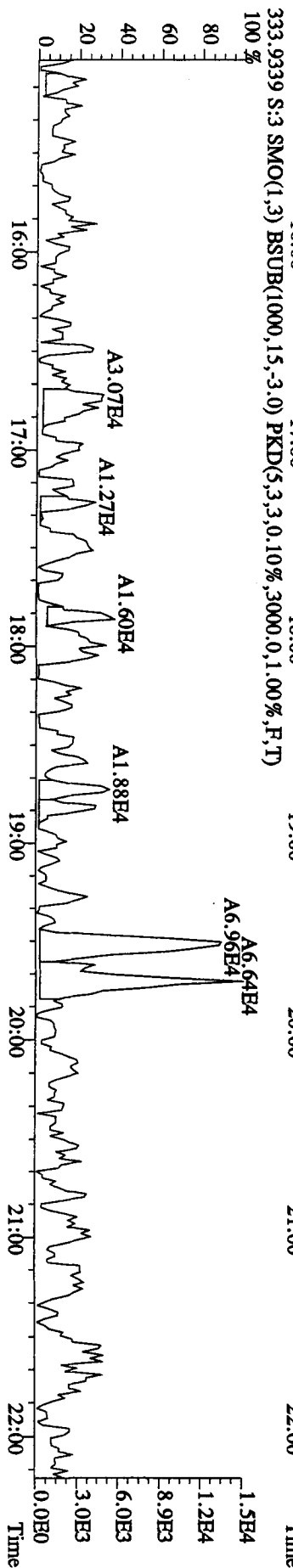
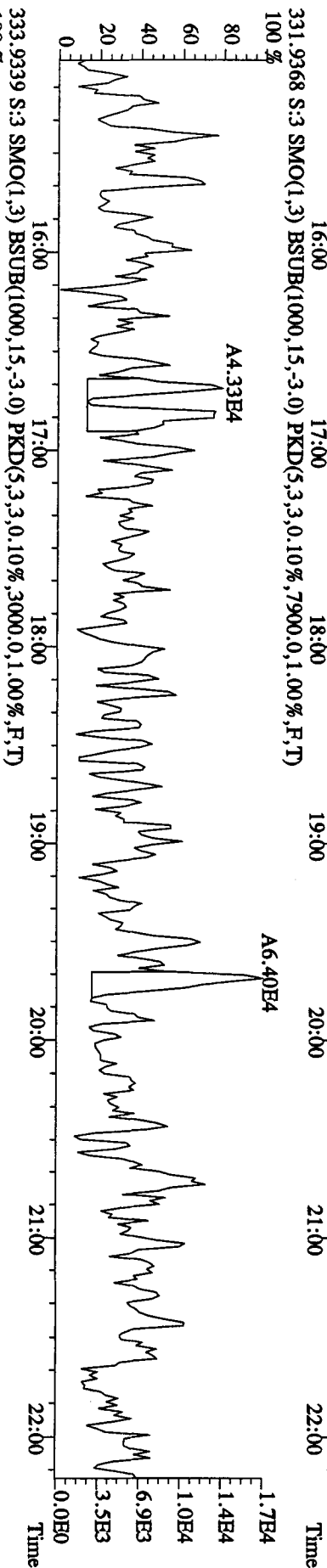
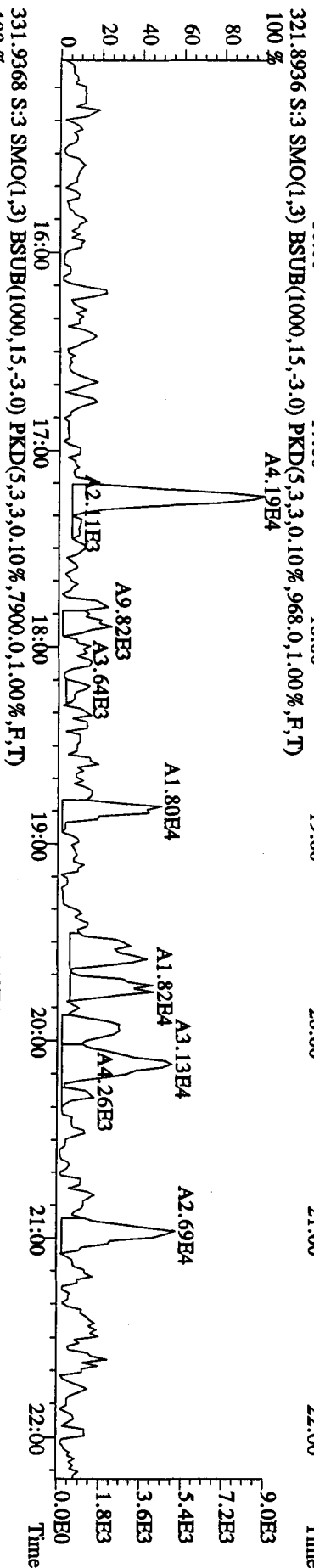
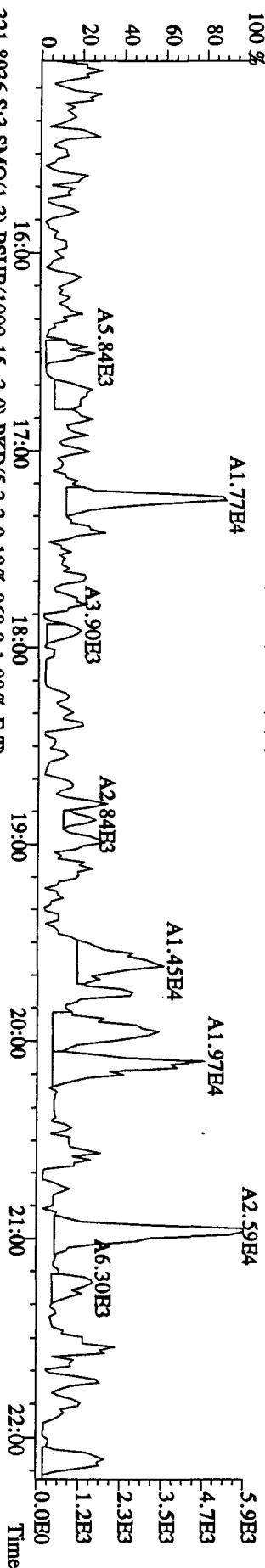


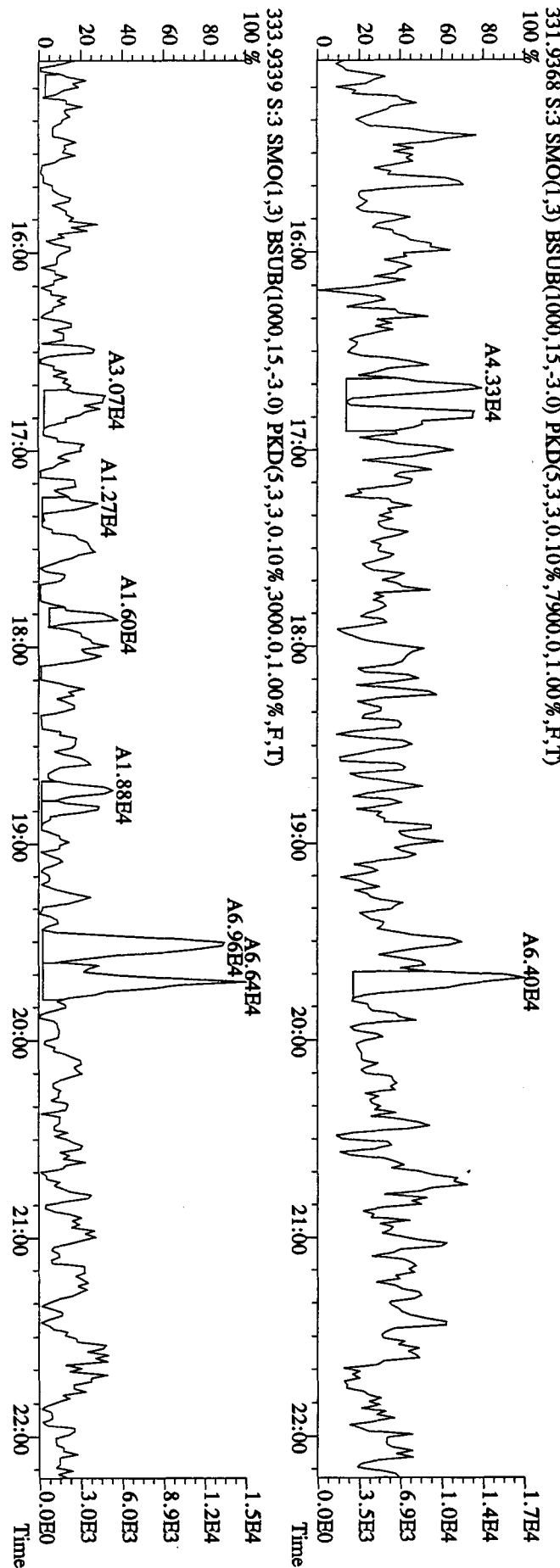
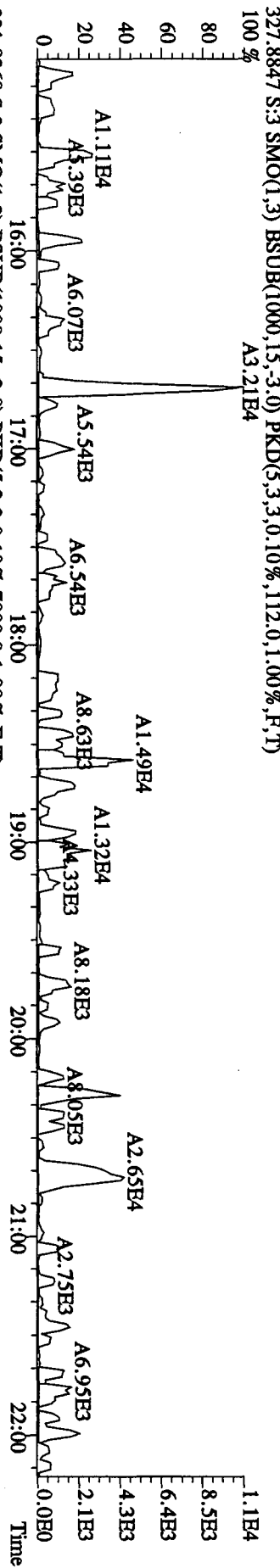
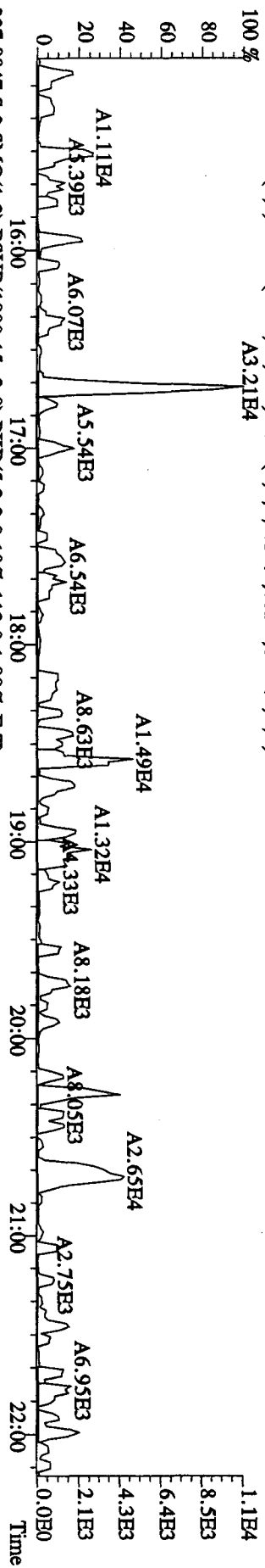


File:27AP104D5 #1-434 Acq:27-APR-2010 13:21:20 GC HF+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1020,0,1.00%,F,T)
 100 % A2.69E4

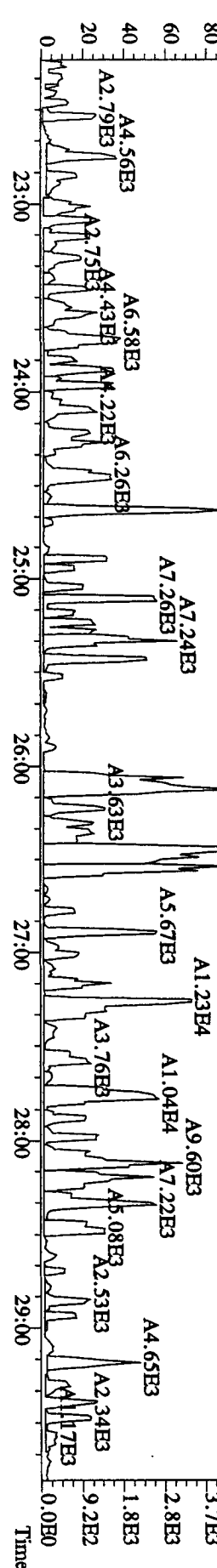
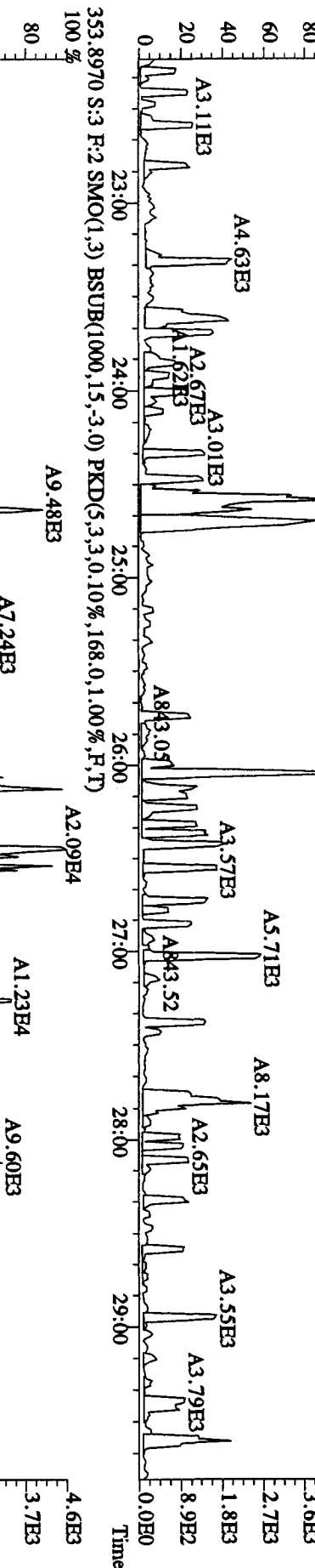
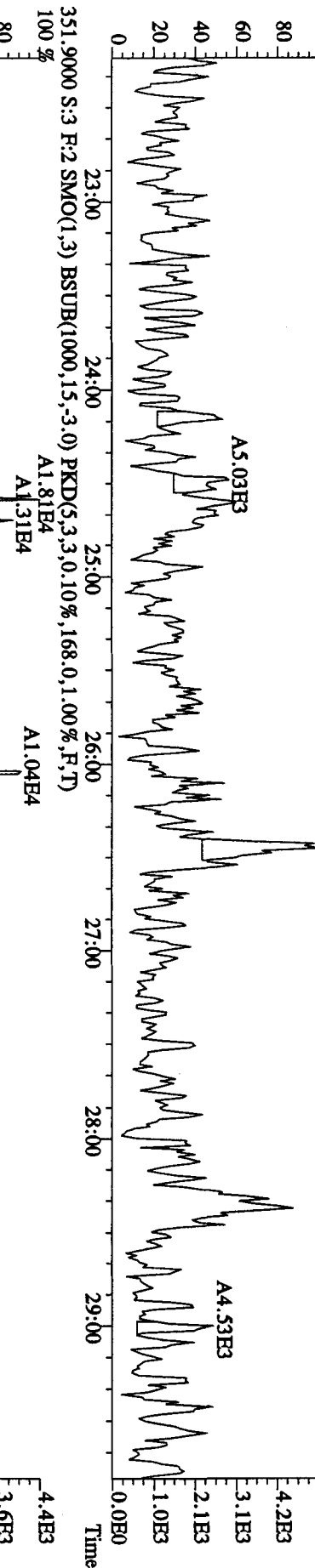
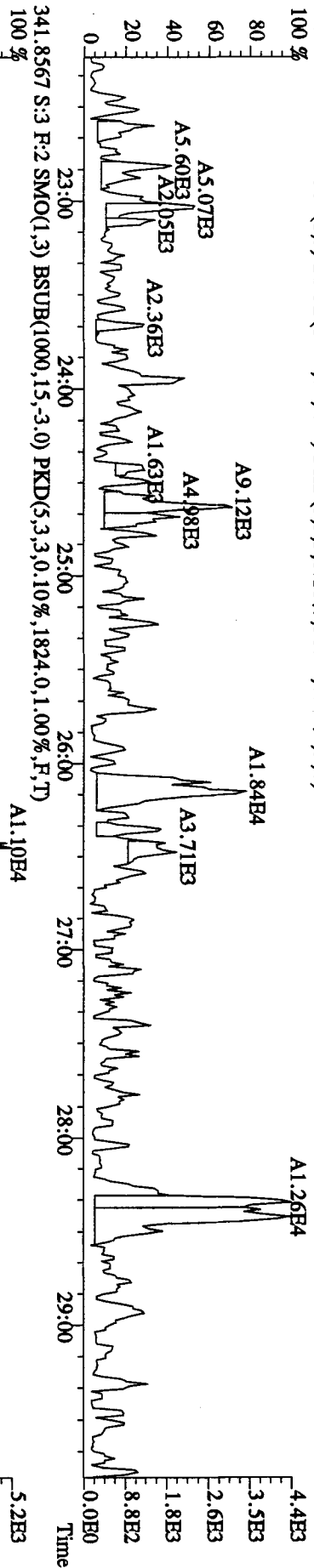


File:27AP104D5 #1-434 Acq:27-APR-2010 13:21:20 GC HI+ Voltage SIR Autospec-Ultimate
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,908.0,1.00%,F,T)

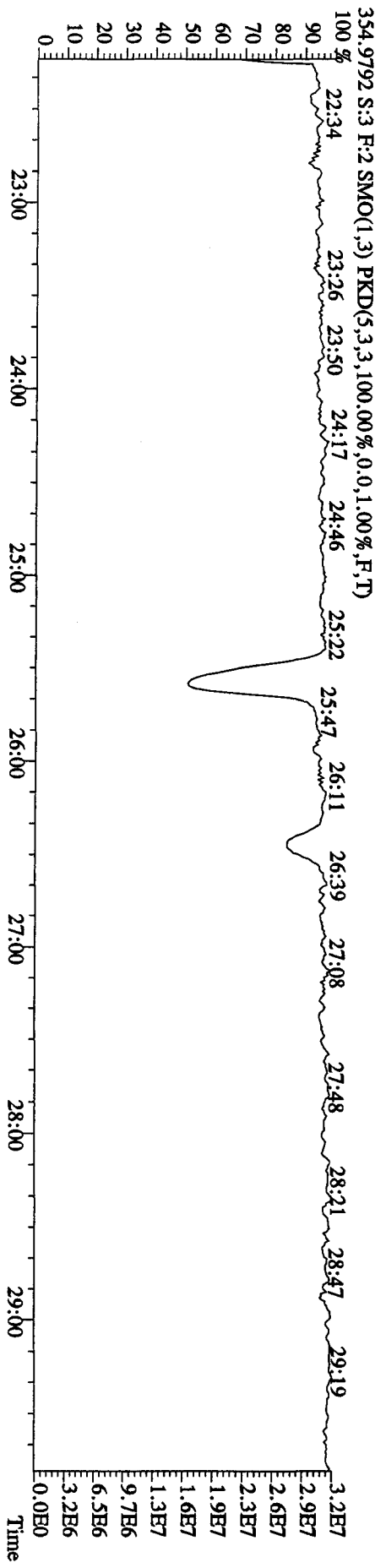
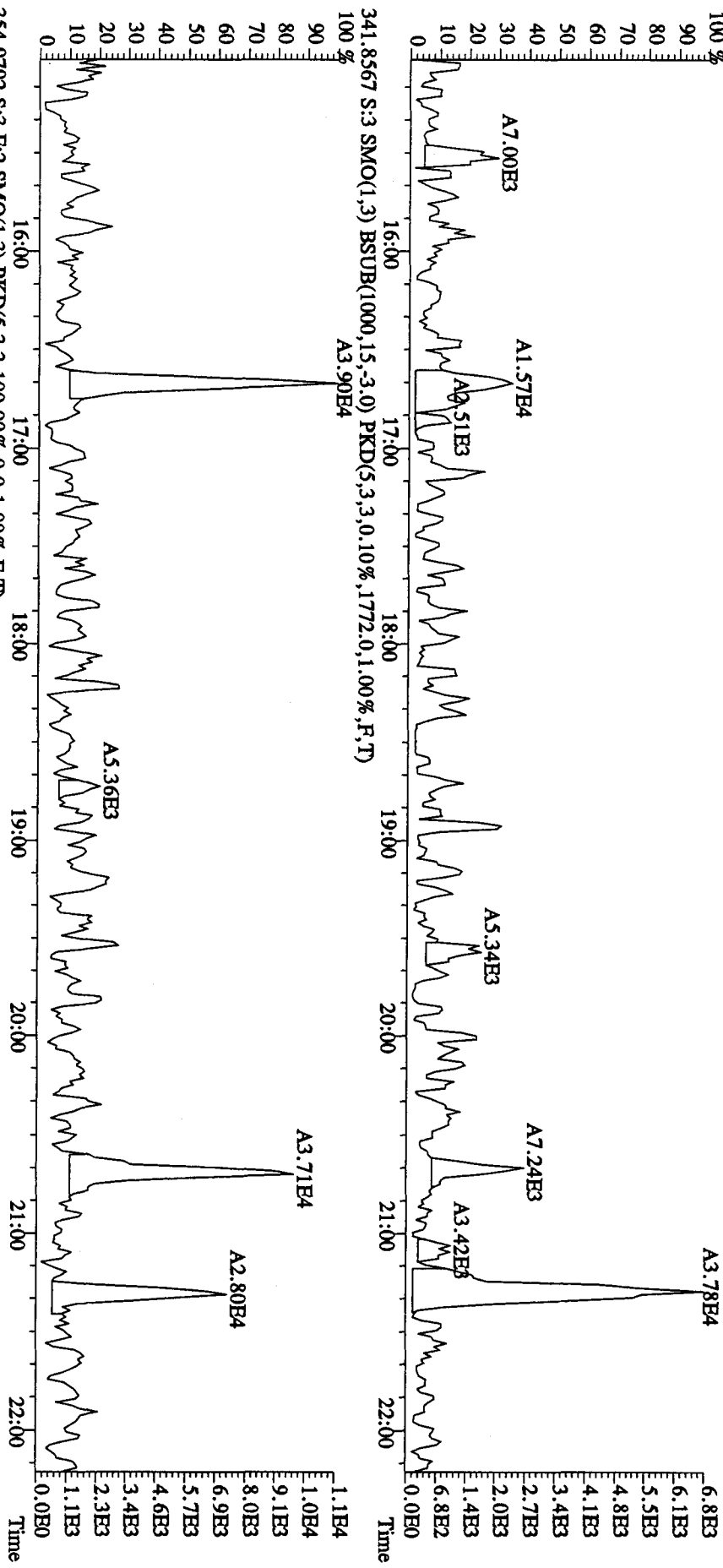




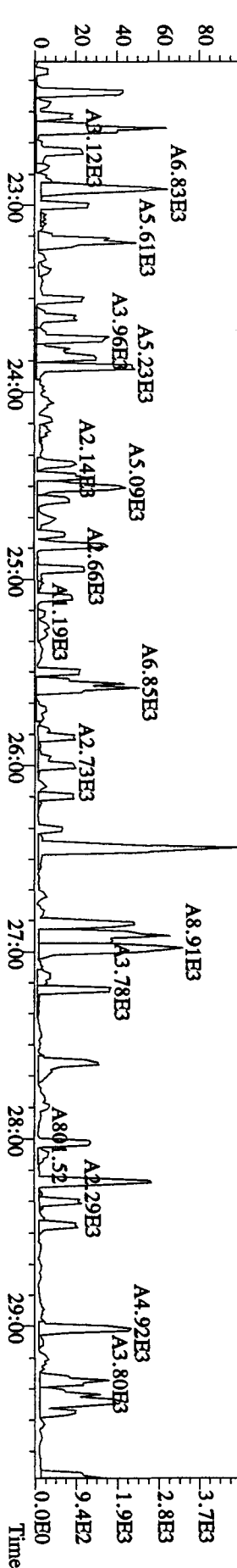
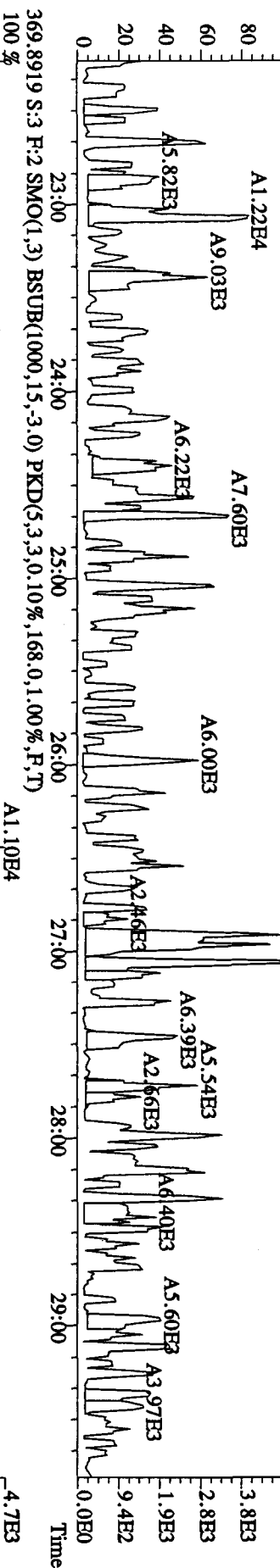
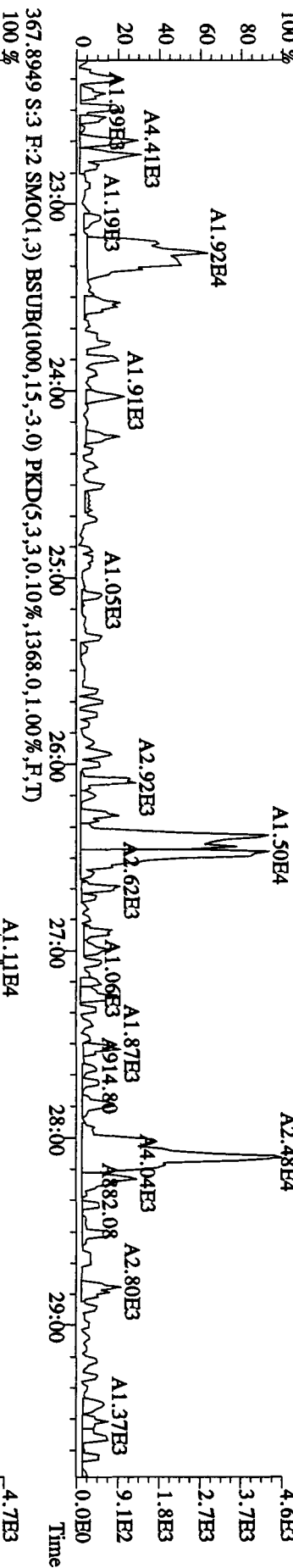
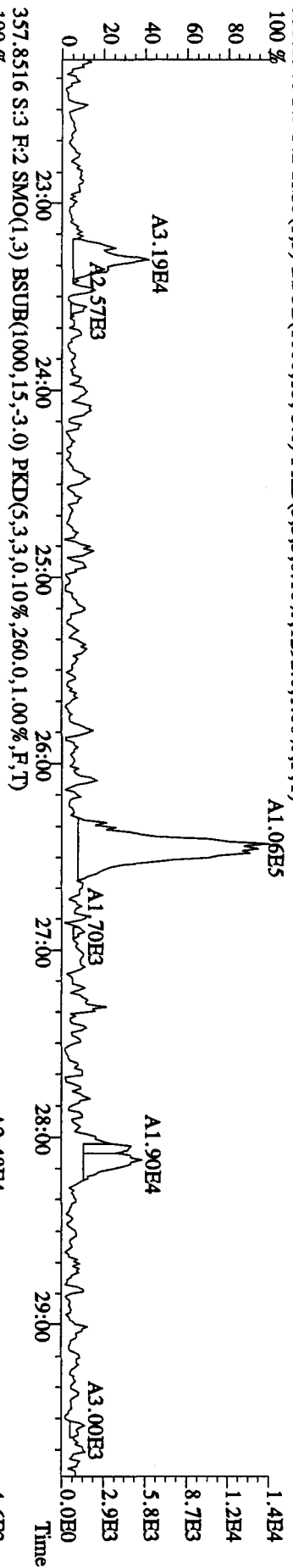
File:27AP104D5 #1-604 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-Ultimate
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,900.0,1.00%,F,T)



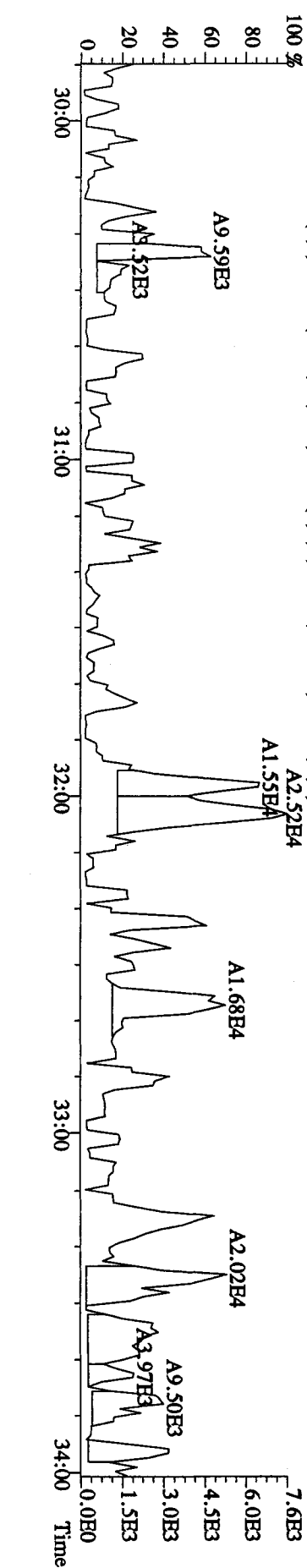
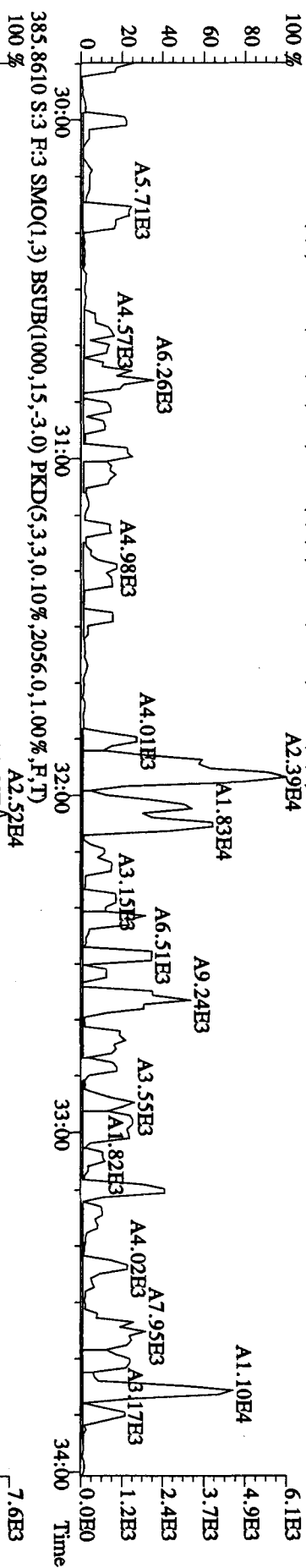
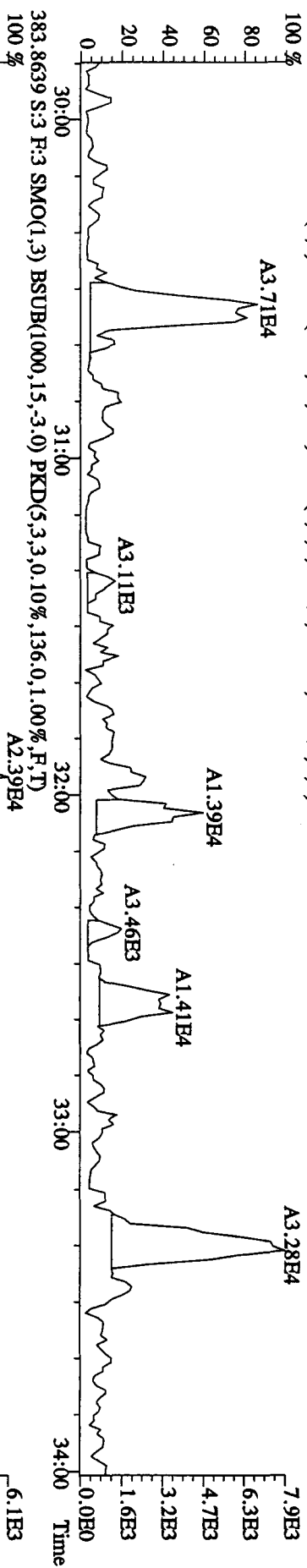
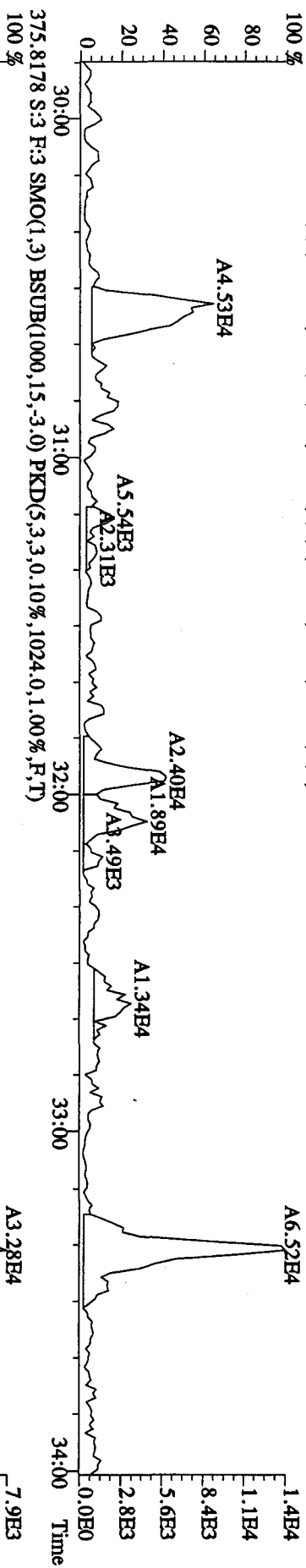
File: 27AD104D5 #1-434 Acq: 27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text: SB0427 Solvent Blank C-14 Exp: DIOXINRES8290A
 339.8397 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,848,0,1,00%,F,T)



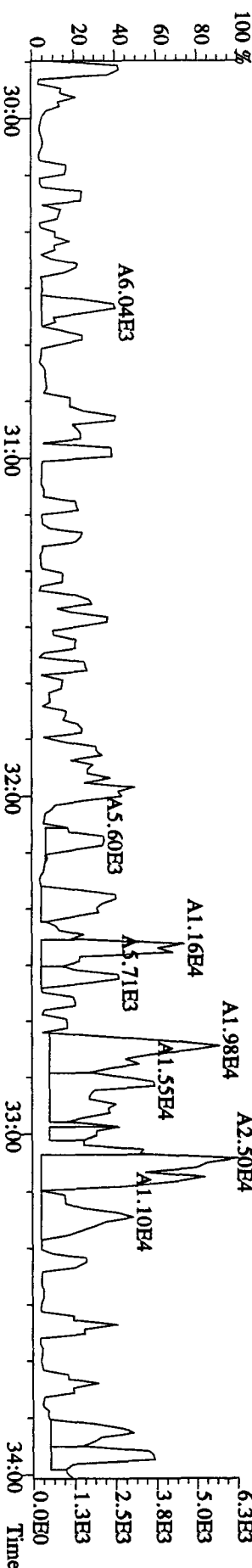
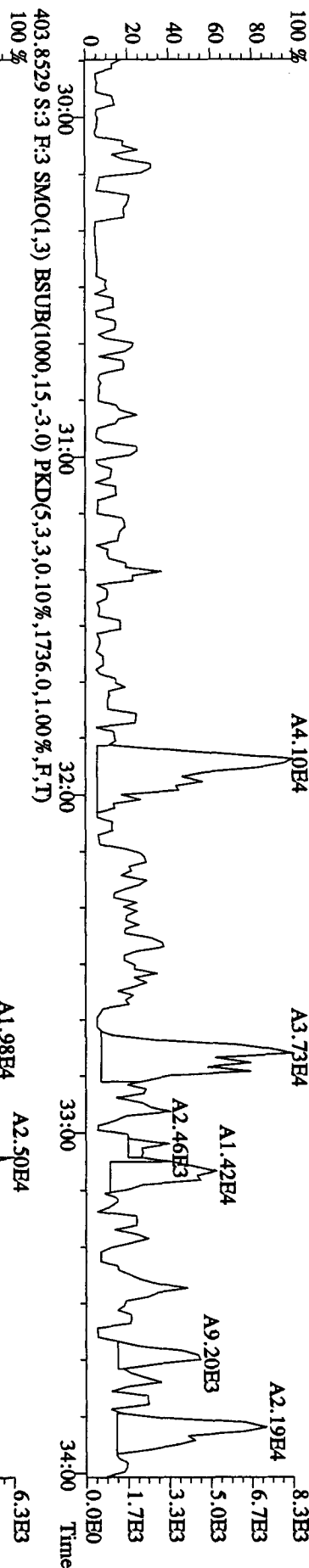
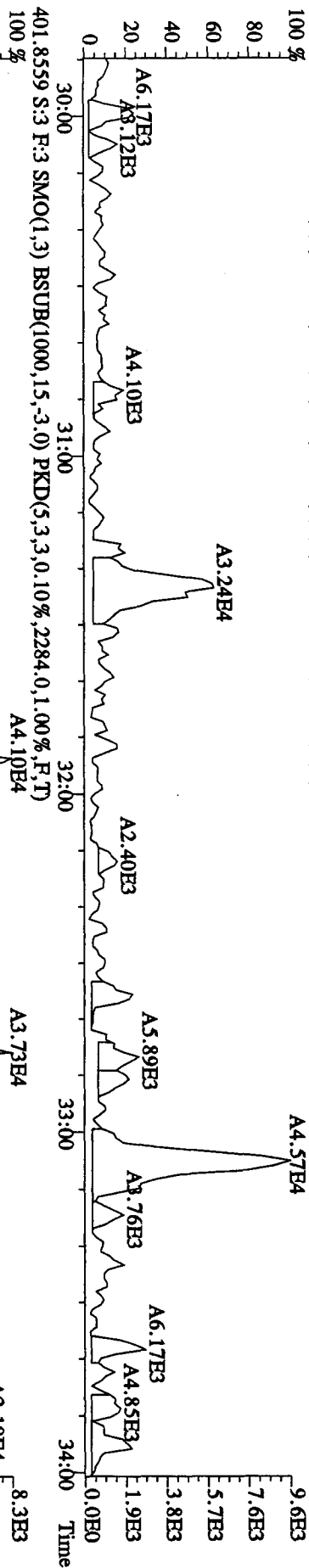
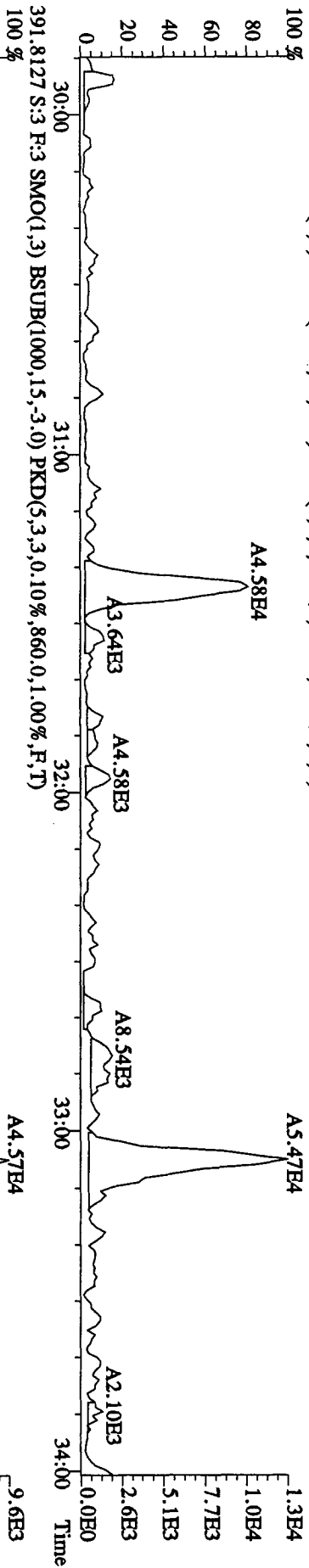
File: 27AP104D5 #1-604 Acq: 27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: SB0427 : Solvent Blank C-14 Exp: DIOXINRES8290A
 357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1292.0,1.00%,F,T)

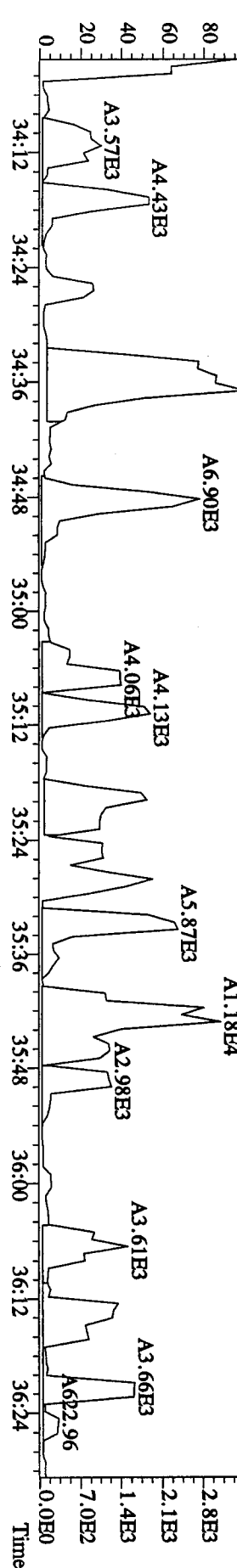
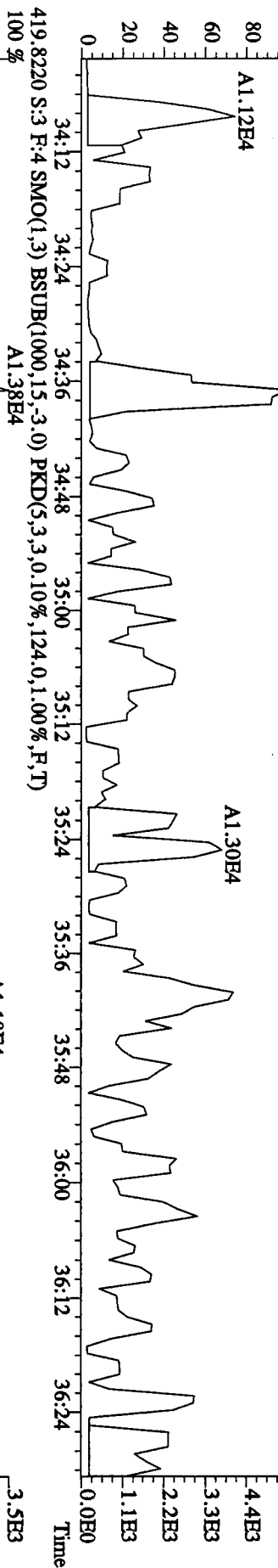
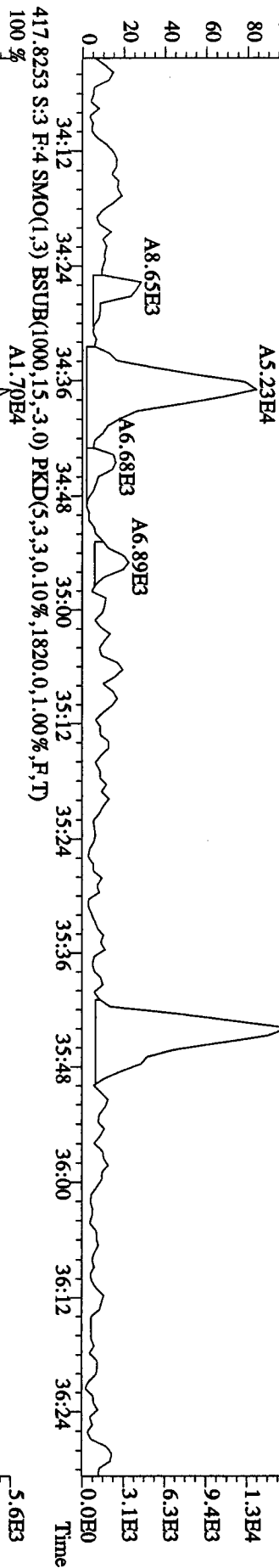
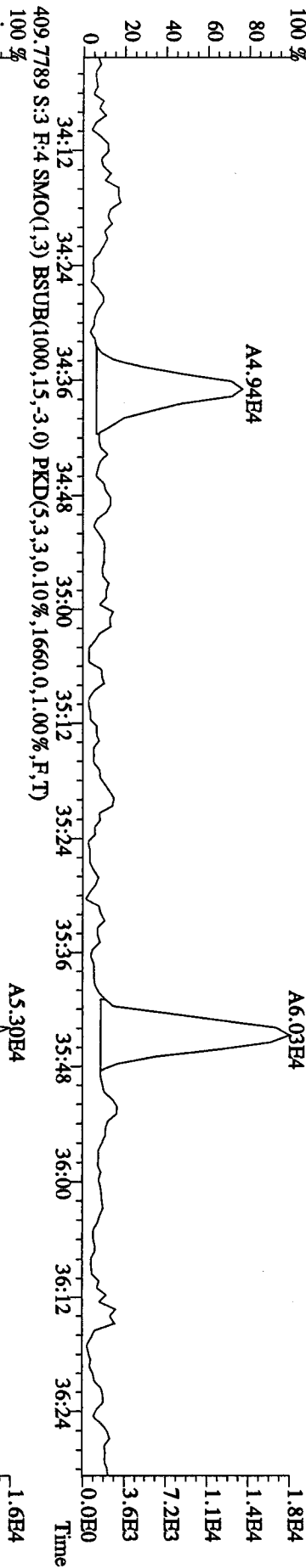


File:27AP104D5 #1-317 Acq:27-APR-2010 13:21:20 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)

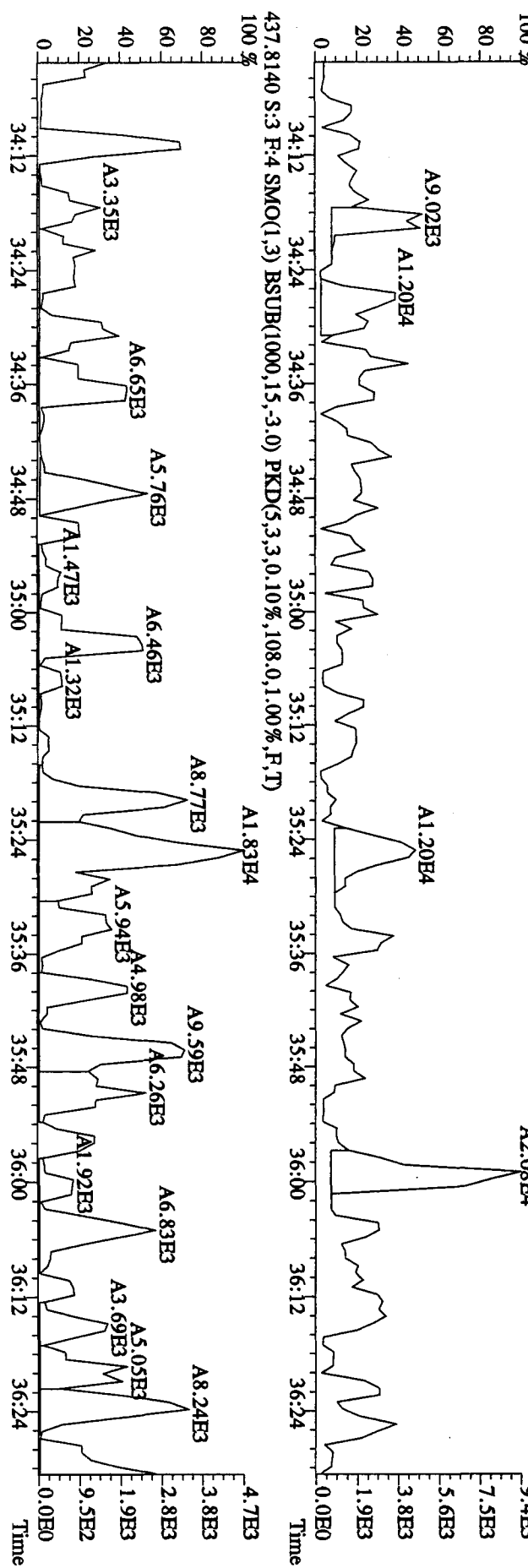
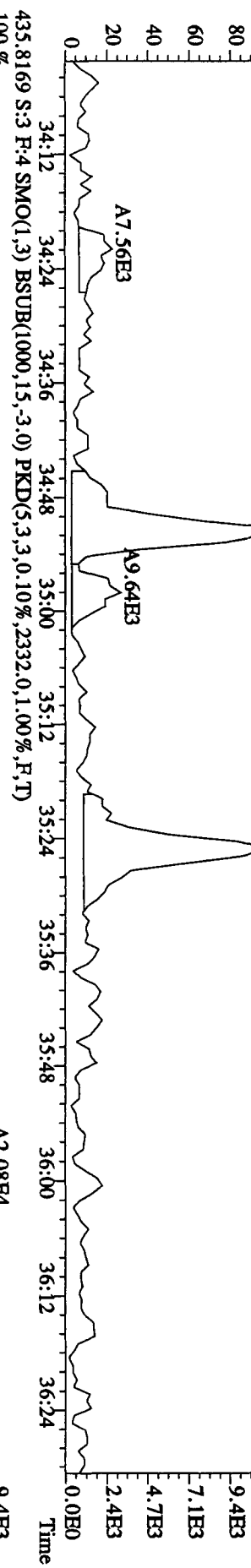
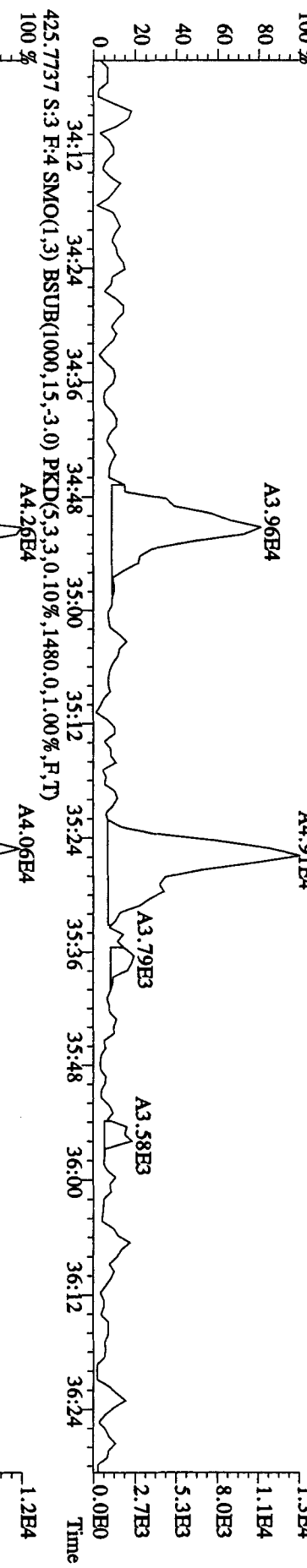


File: 27AP104D5 #1-317 Acq: 27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text: SB0427 :Solvent Blank C-14 Exp: DIOXINRES8290A
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,888.0,1.00%,F,T)

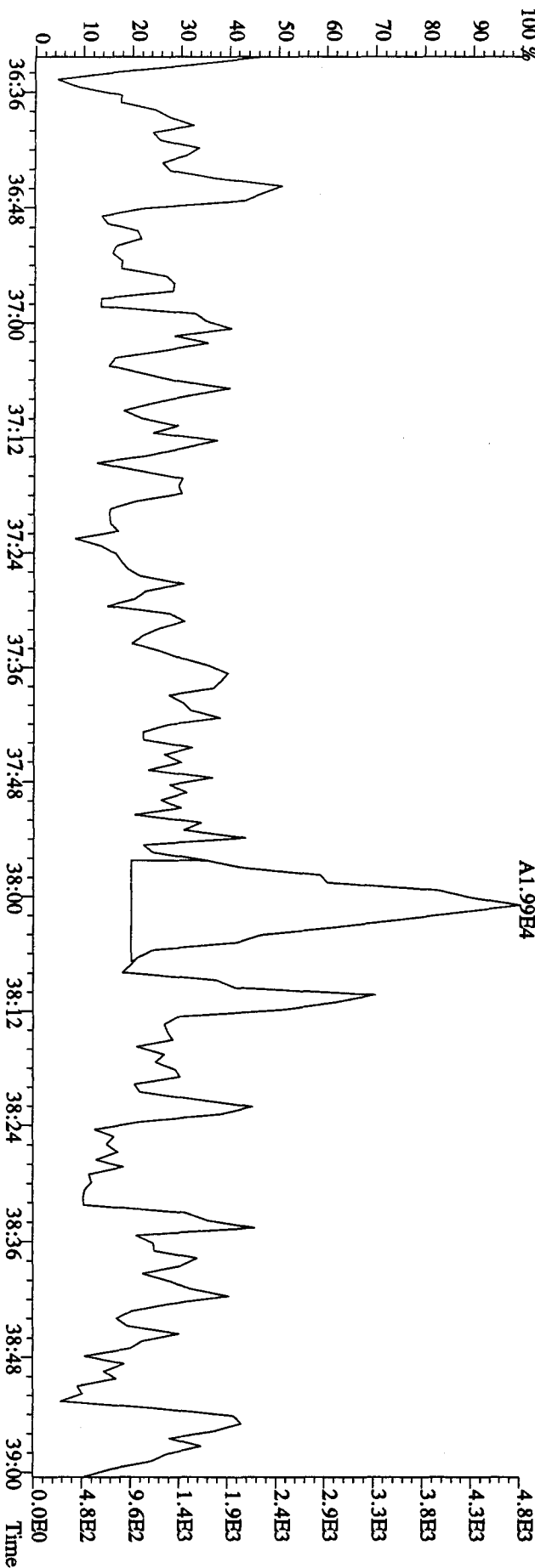
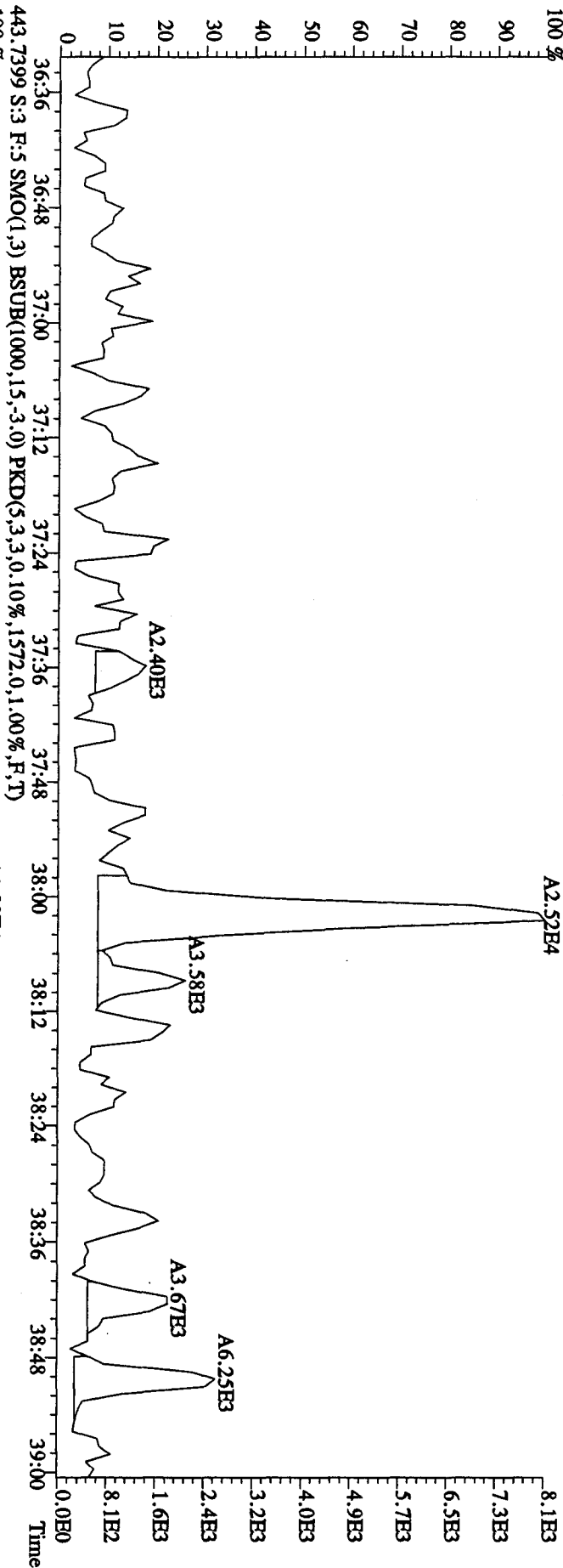




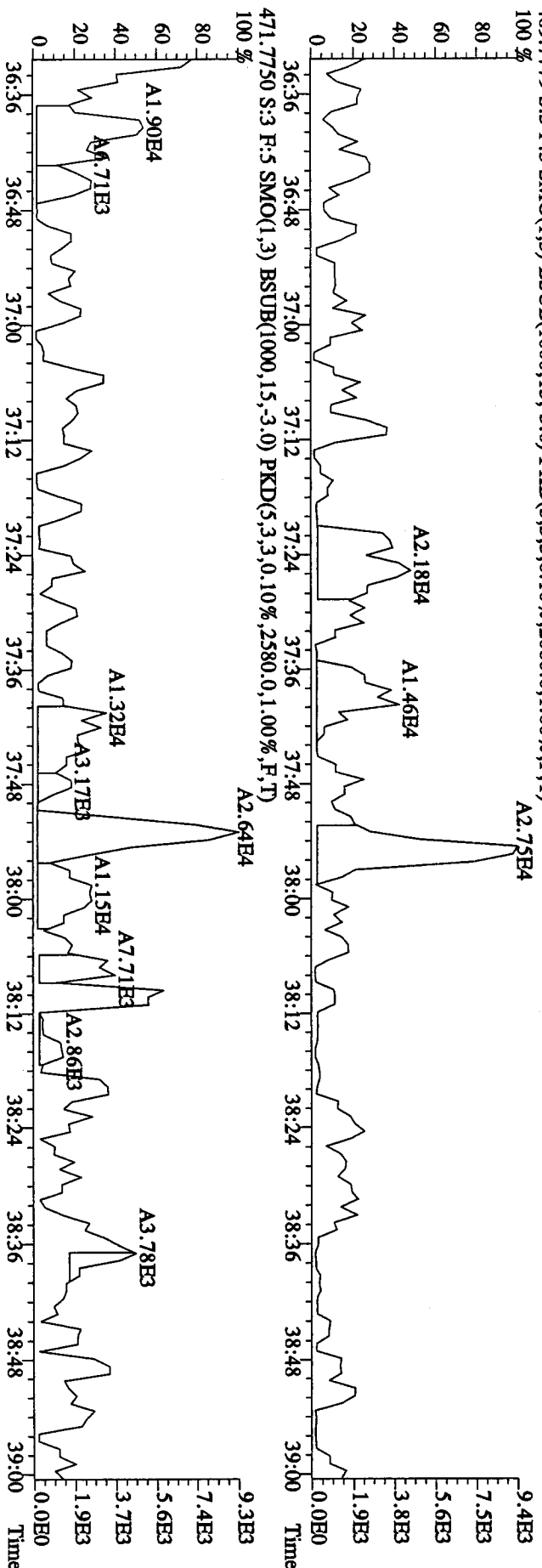
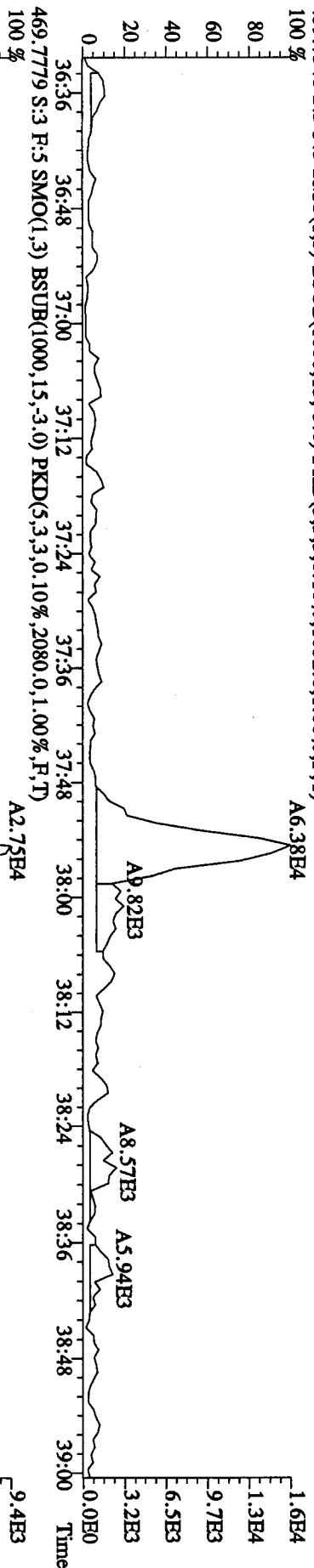
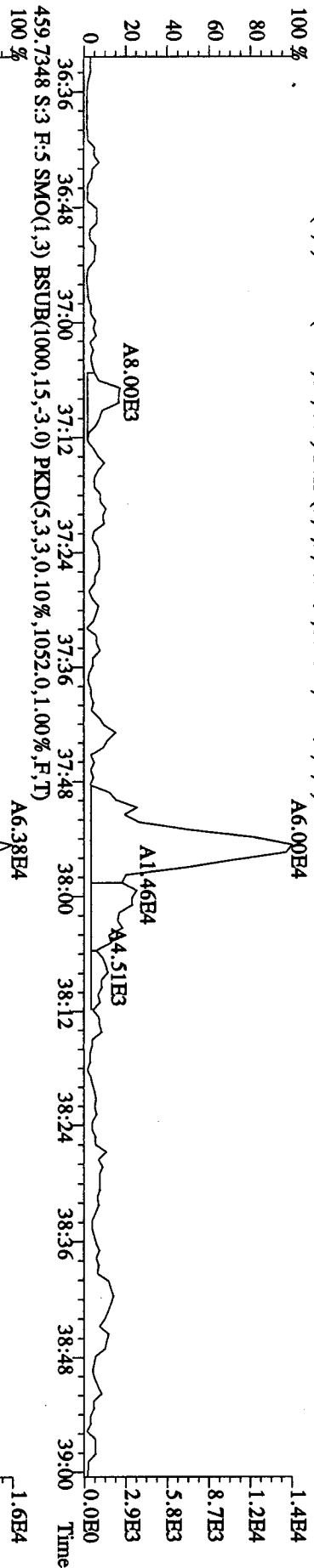
File:27AP104D5 #1-198 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
 423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)



File: 27AP104D5 #1-190 Acq: 27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text: SB0427 : 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%,1088.0,1.00%,F,T)
 100%

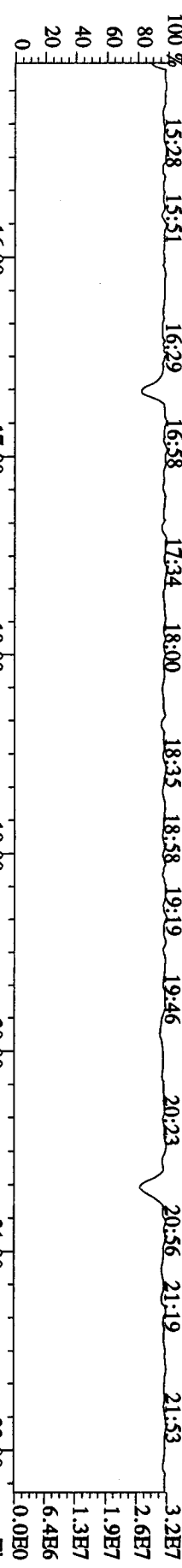


File:27AP104D5 #1-190 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRFS8290A
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)
 100%

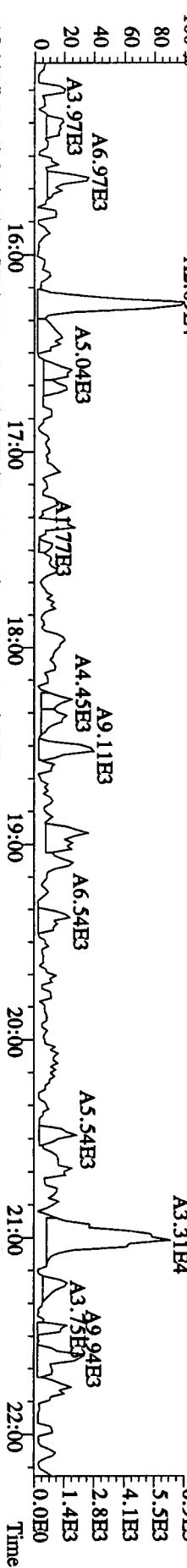


File: 27AP104D5 #1-434 Acq: 27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text: SB0427 :Solvent Blank C-14 Exp: DIOXINRES8290A

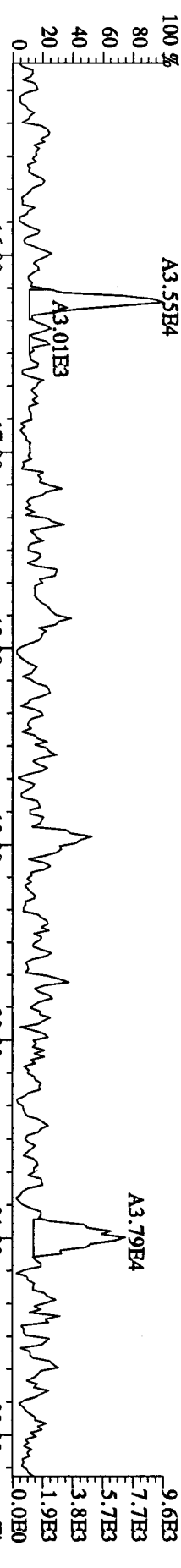
354.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



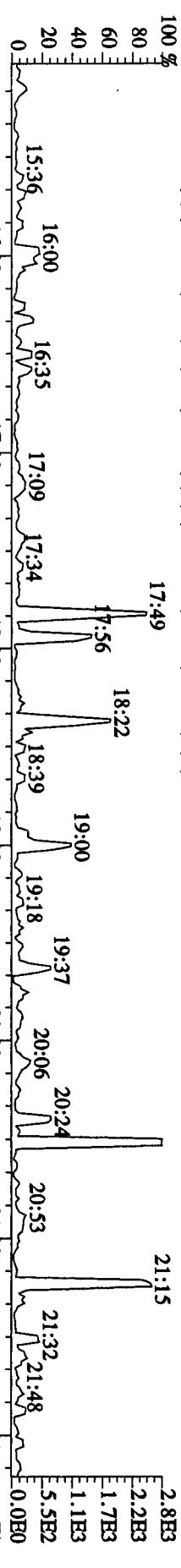
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1020,0.1,0.00%,F,T)



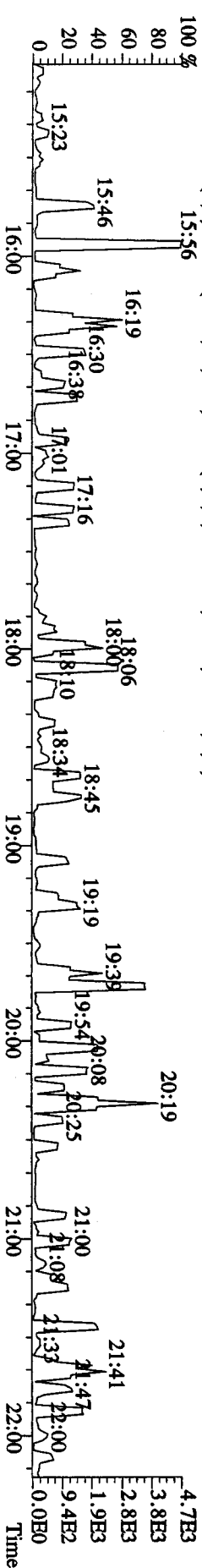
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2116,0.1,0.00%,F,T)



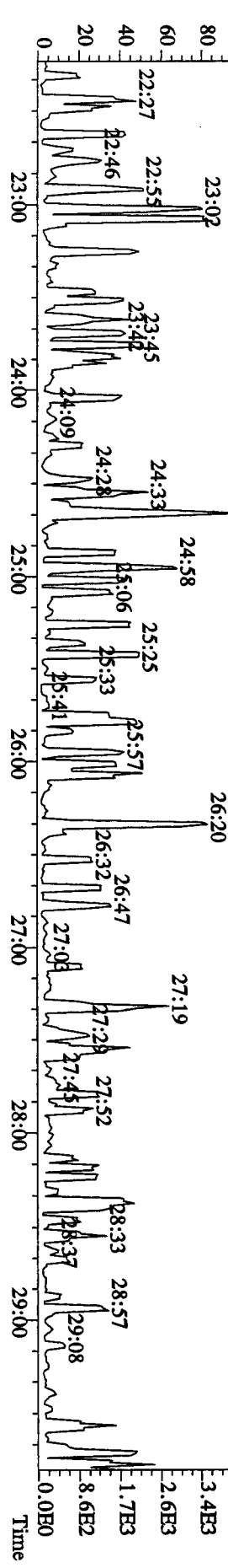
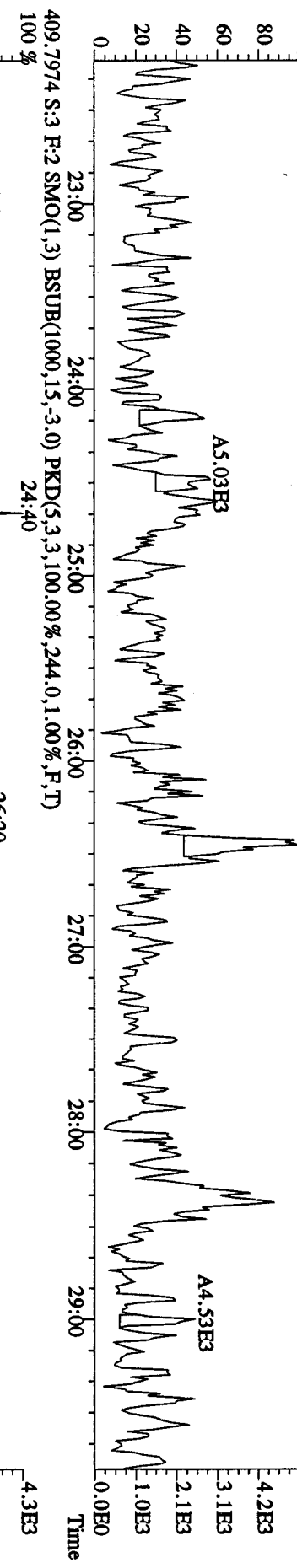
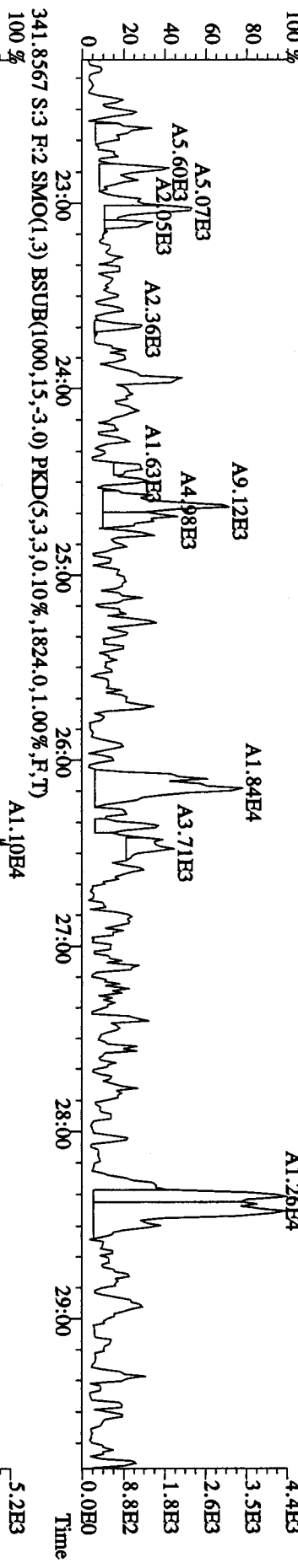
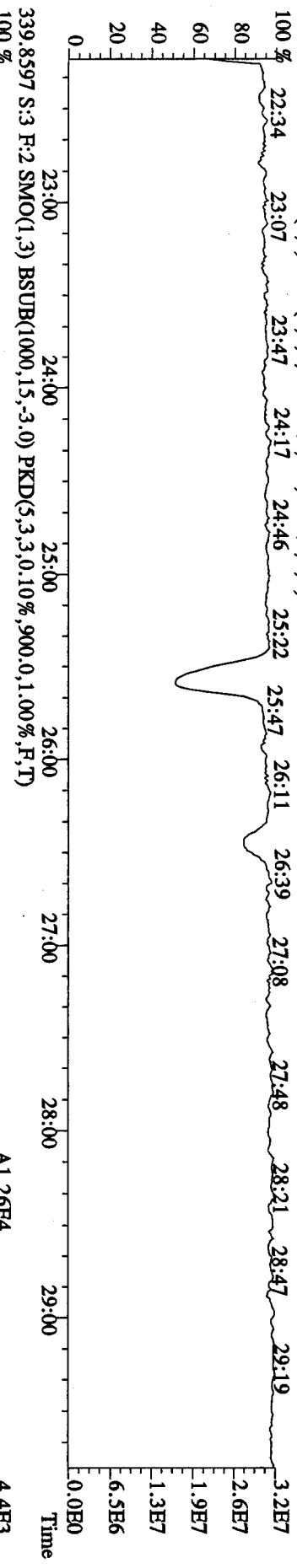
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,124,0.1,0.00%,F,T)



409.7974 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,140,0.1,0.00%,F,T)



File: 27AP104D5 #1-604 Acq: 27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text: SB0427 :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)
 100% 22:34 23:07 23:47 24:17 24:46 25:22 25:47 26:11 26:39 27:08 27:48 28:21 28:47 29:19



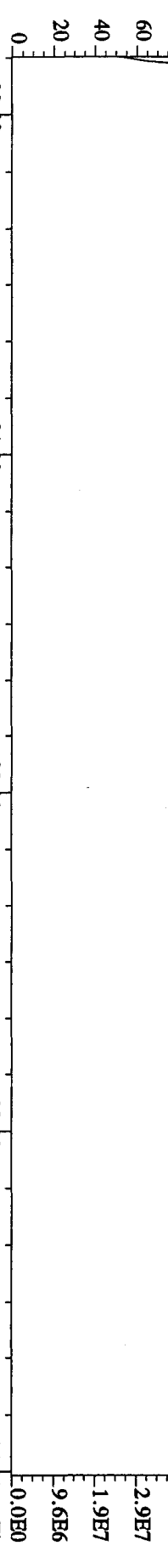
File: 27AP104D5 #1-317 Acq: 27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaB

Sample#3 Text: SB0427 : Solvent Blank C-14 Exp: DIOXINRES8290A

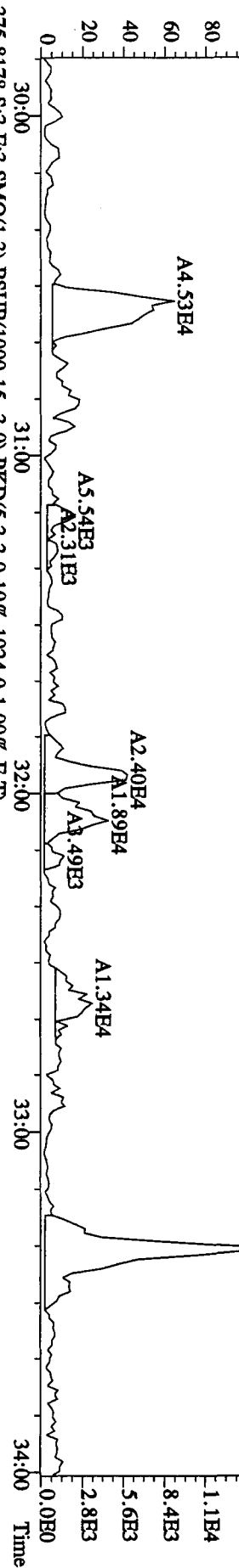
430.9728 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00% 0.0,1.00%,F,T)

100% 30:02 30:15 30:30 30:53 31:08 31:25 31:39

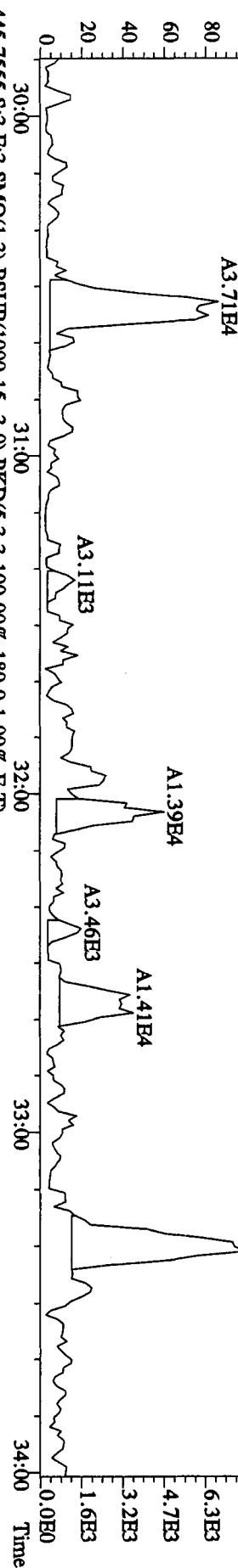
32:14 32:30 32:57 33:10 33:28



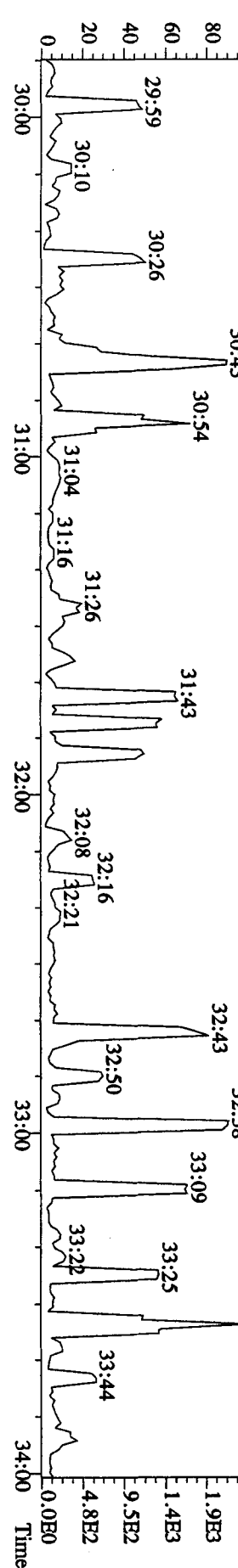
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)



375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)



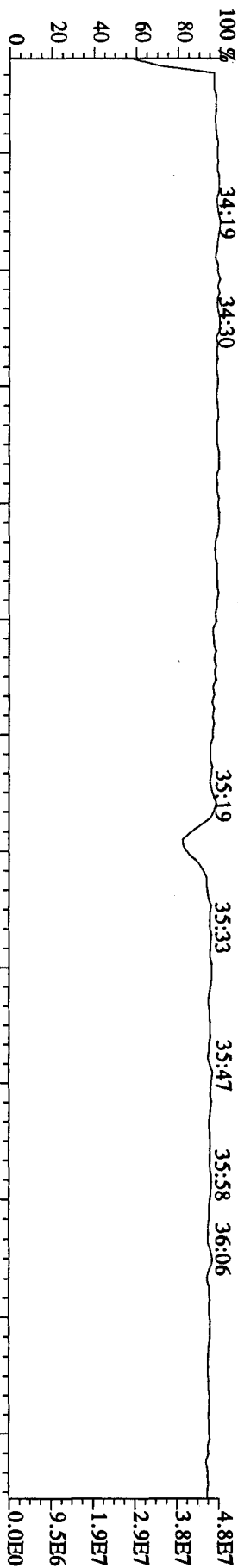
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,180.0,1.00%,F,T)



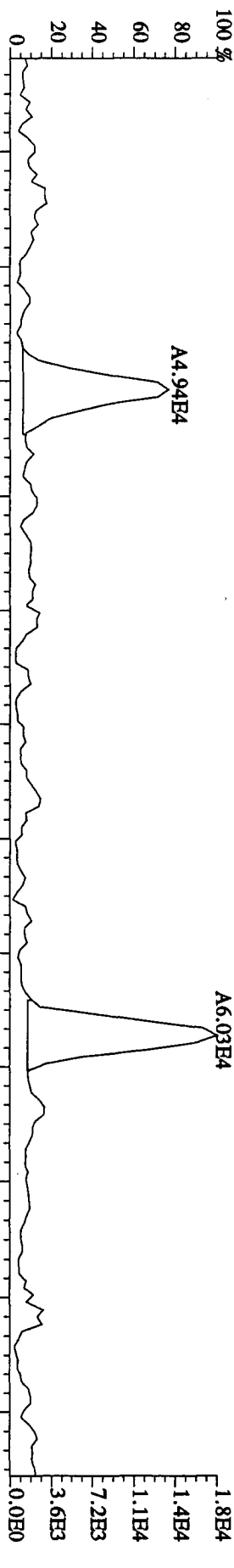
File:27AP104D5 #1-198 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE

Sample#3 Text:SB0427 :Solvent Blank C-14 Exp.:DIOXINRESS8290A

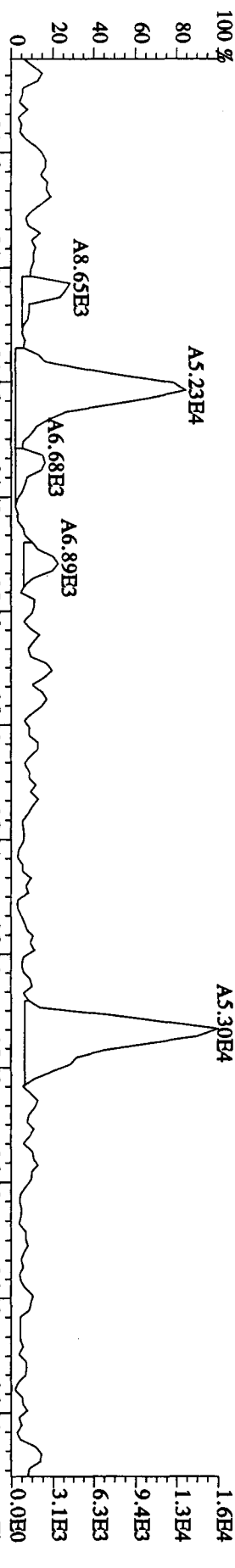
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



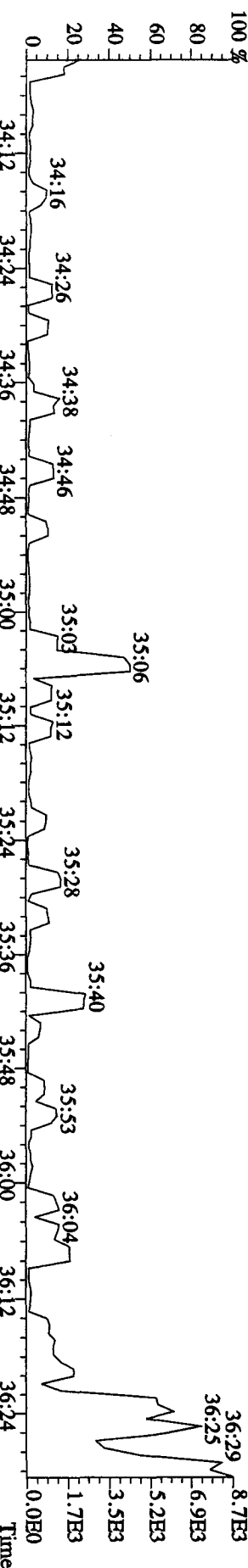
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



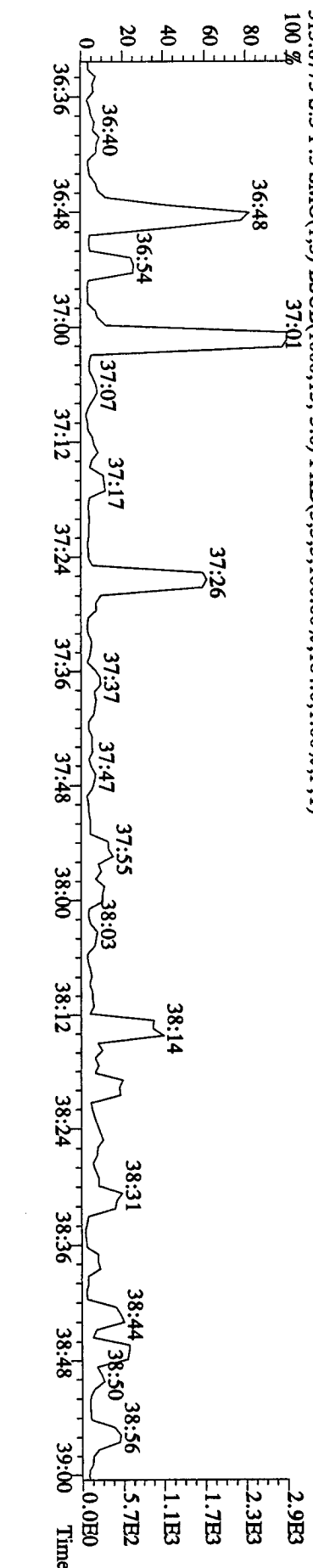
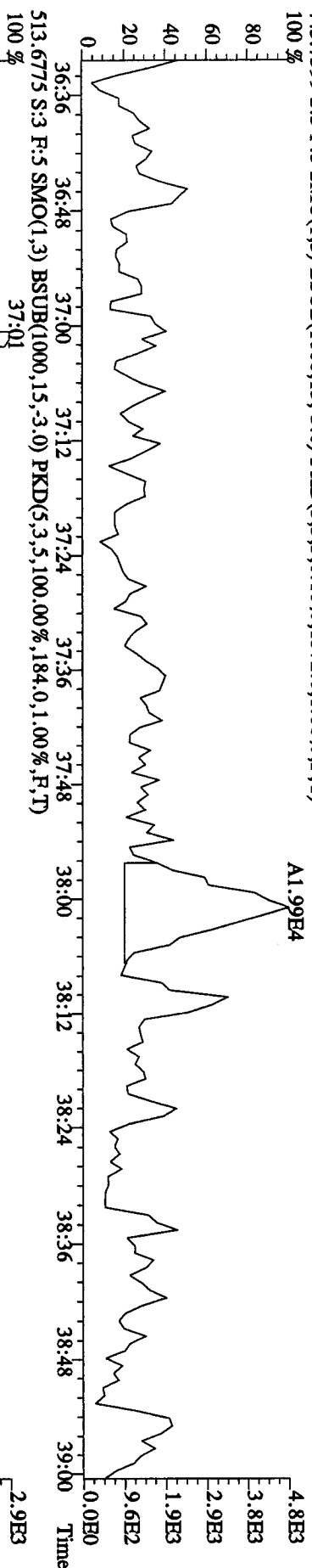
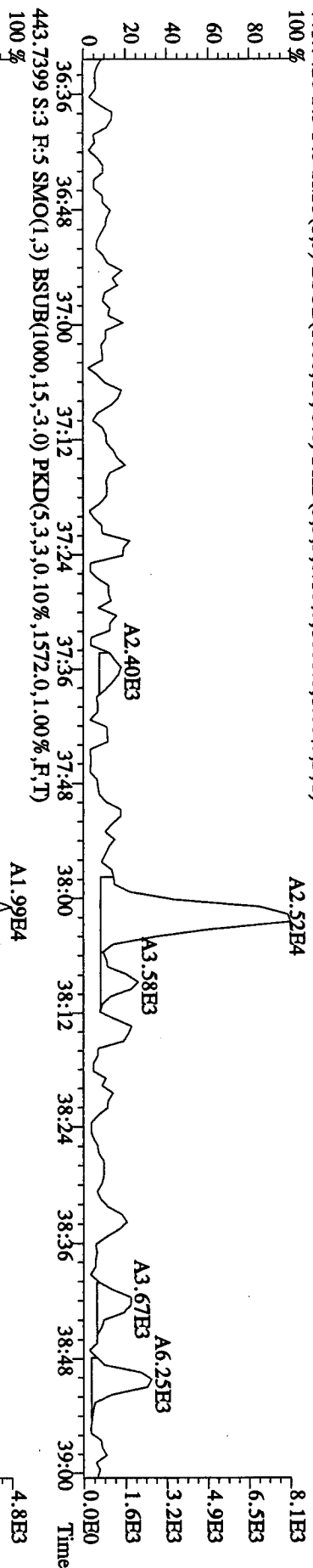
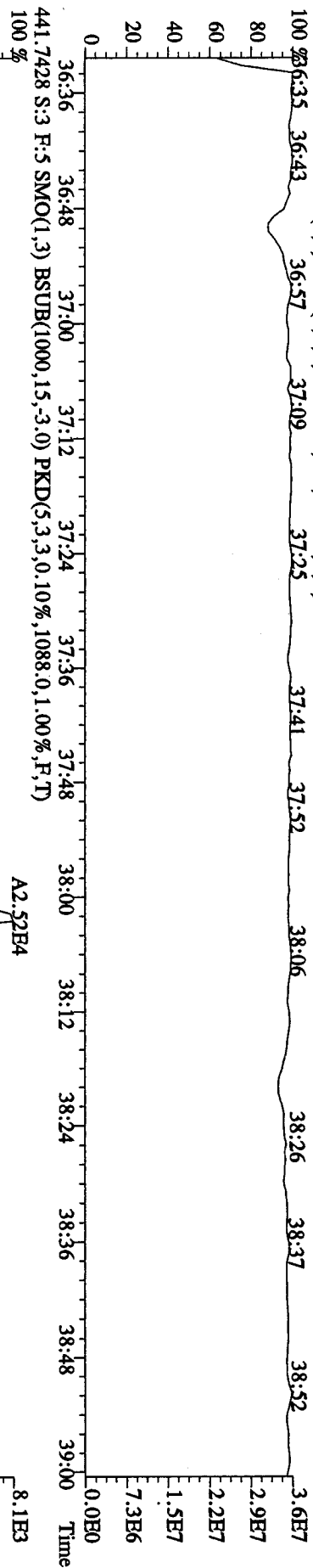
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)



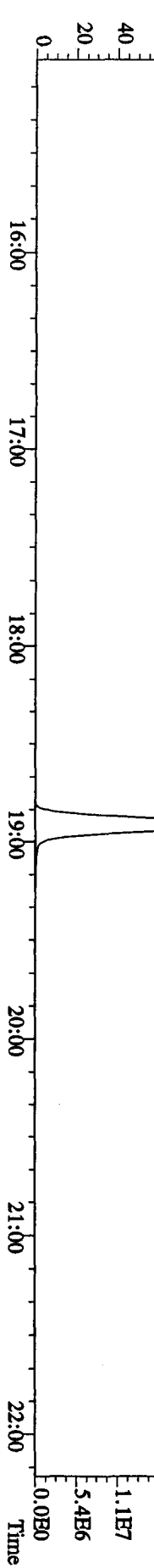
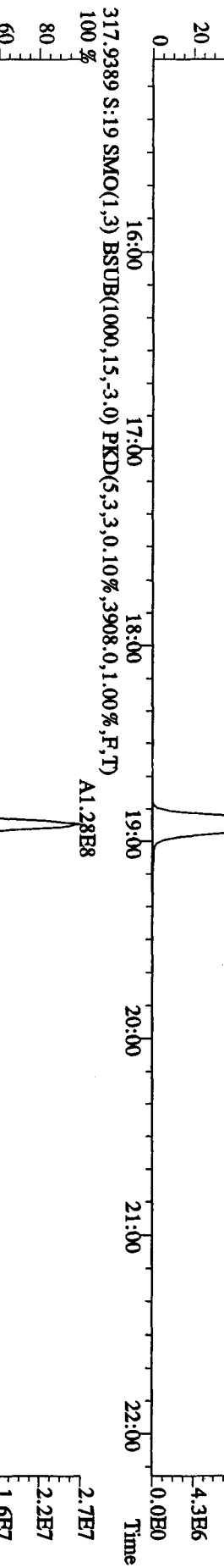
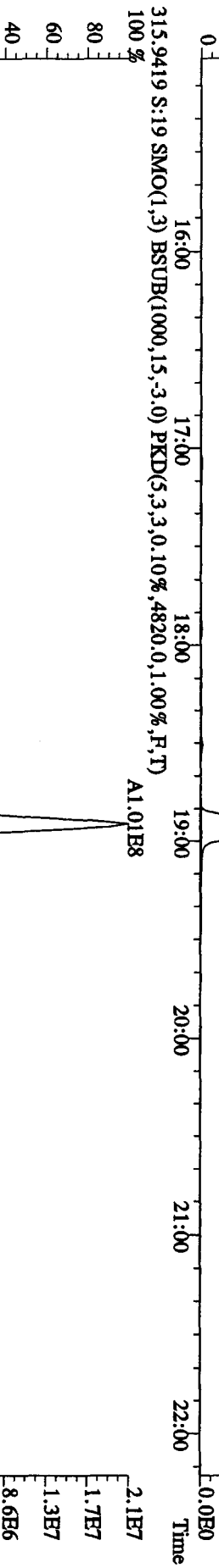
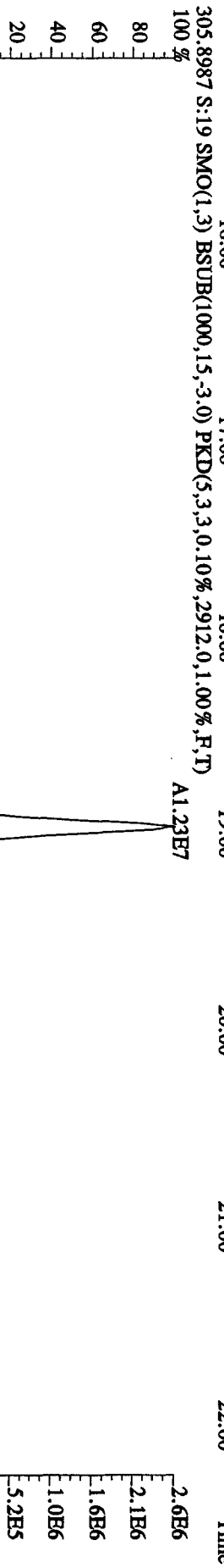
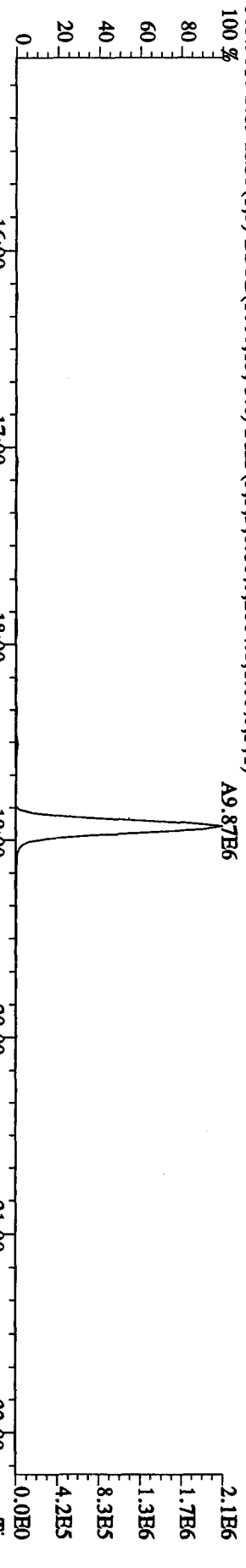
479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,160.0,1.00%,F,T)



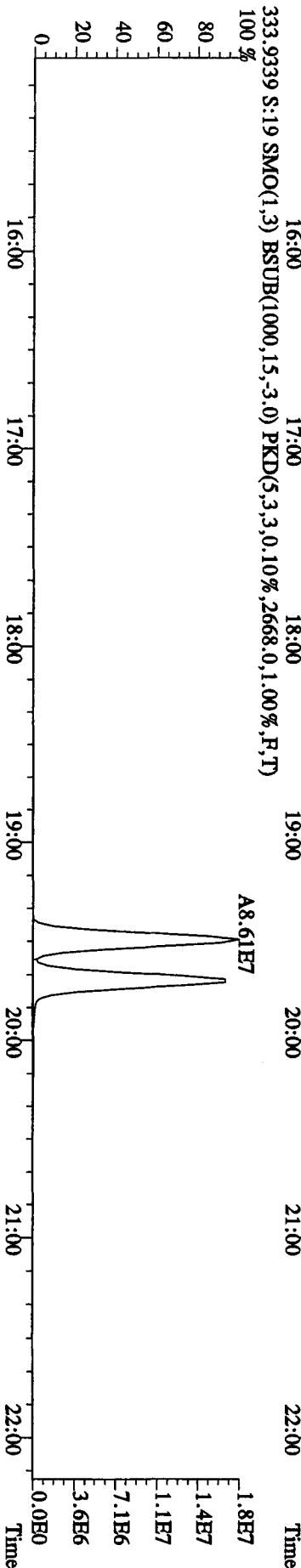
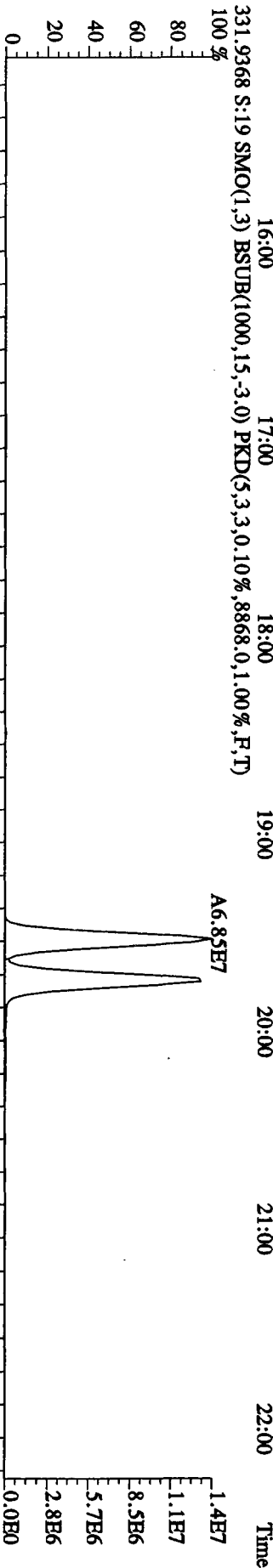
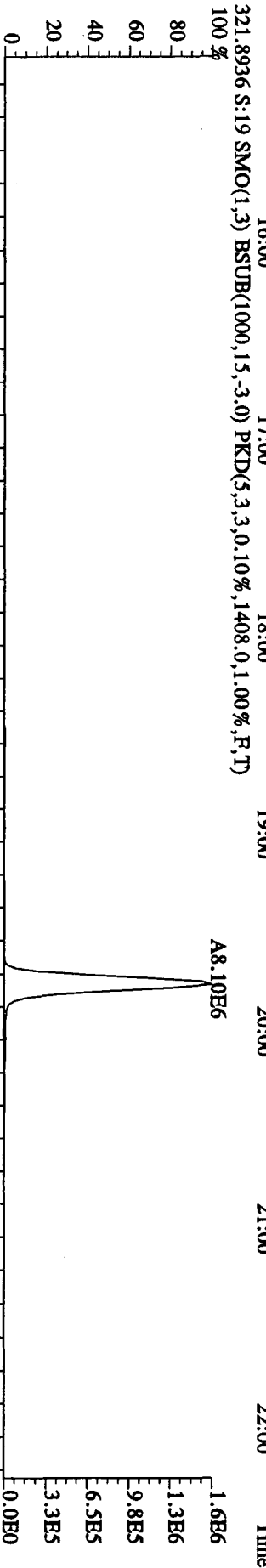
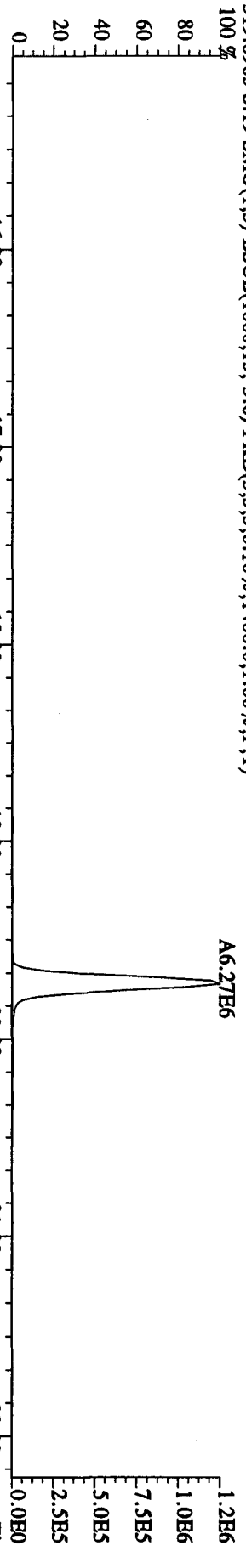
File:27AP104D5 #1-190 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0427 Solvent Blank C-14 Exp:DIOXINRES8290A
 442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 36:35 36:43 36:57 37:09 37:25 37:41 37:52 38:06 38:26 38:37 38:52



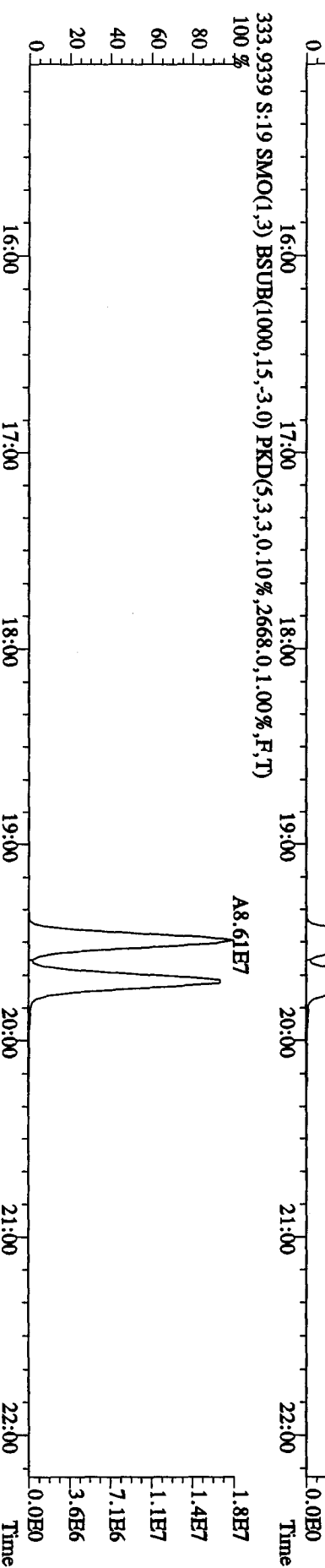
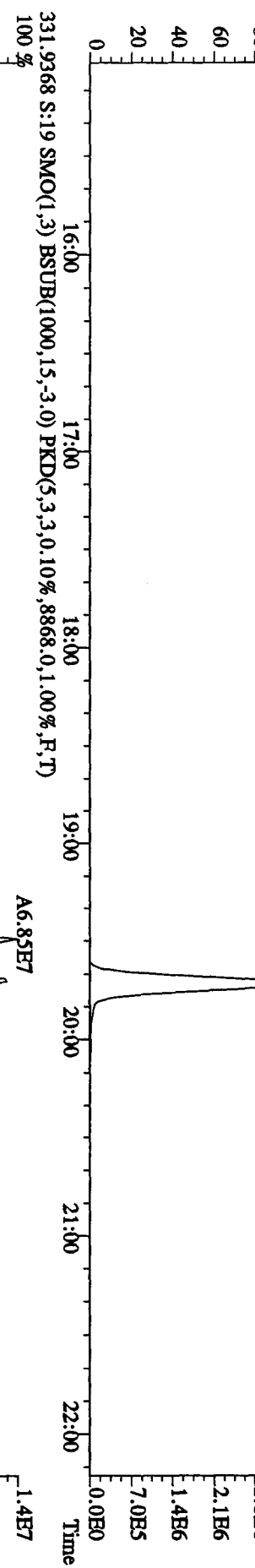
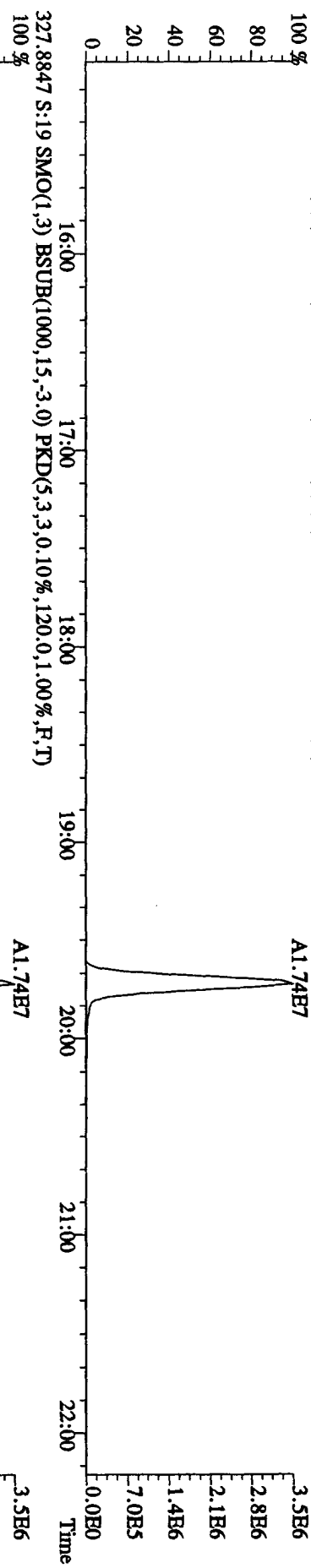
File:27AP104D5 #1-434 Acq:28-APR-2010 01:05:59 GC BI + Voltage SIR Autospec-UltimaE
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp.:DIOXINRES8290A
 303.9016 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2064.0,1.00%,F,T)
 100 %



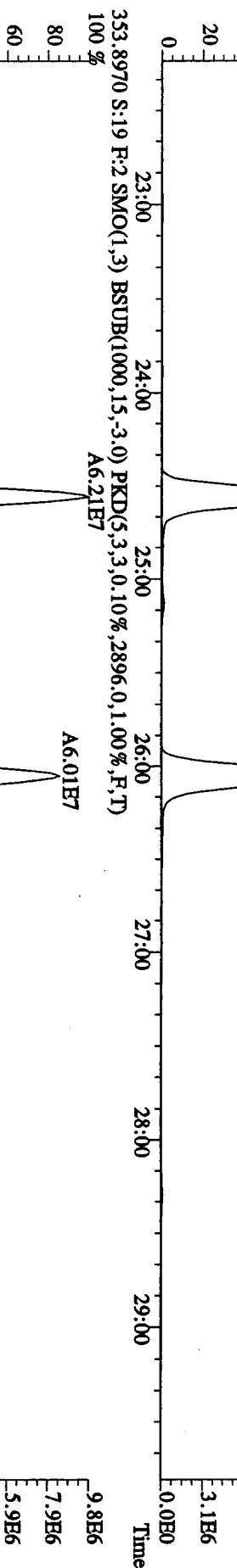
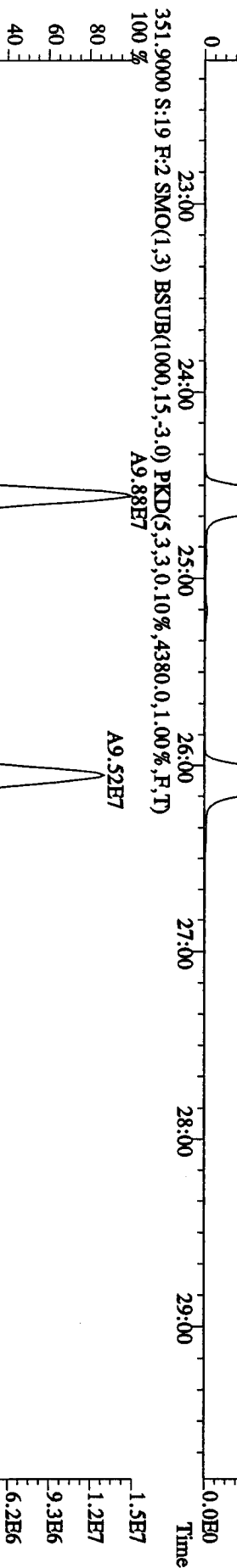
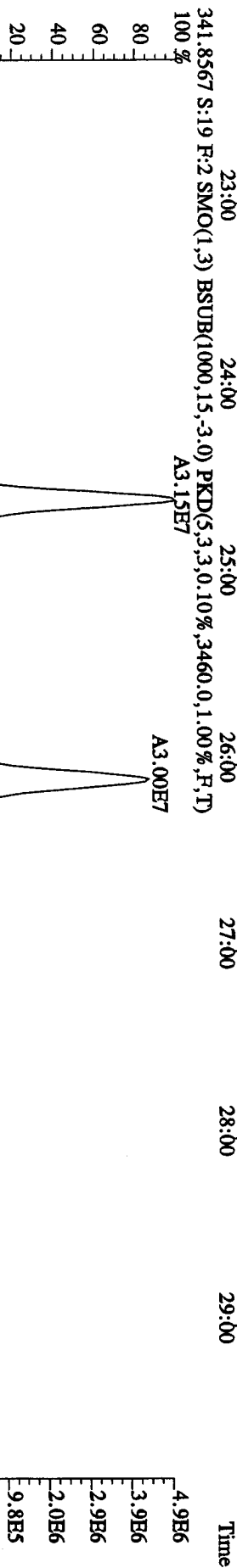
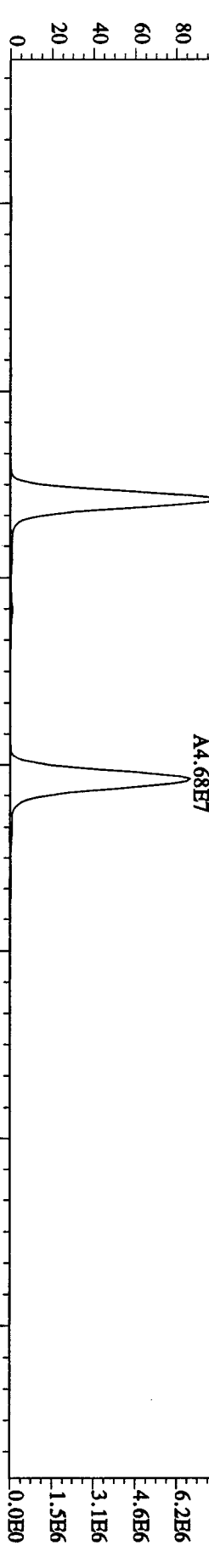
File: 27AP104D5 #1-434 Acq: 28-APR-2010 01:05:59 GC EI + Voltage SIR Autospec-UltimaE
 Sample#19 Text: ST0427A :CS3 10DXN083 Exp: DIOXINRES8290A
 319.8965 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1400.0,1.00%,F,T)



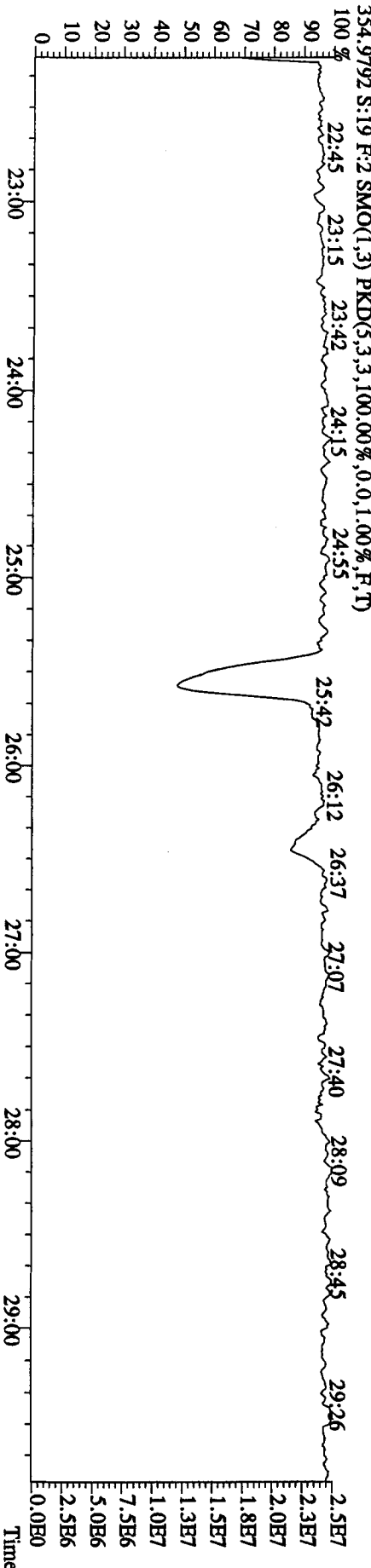
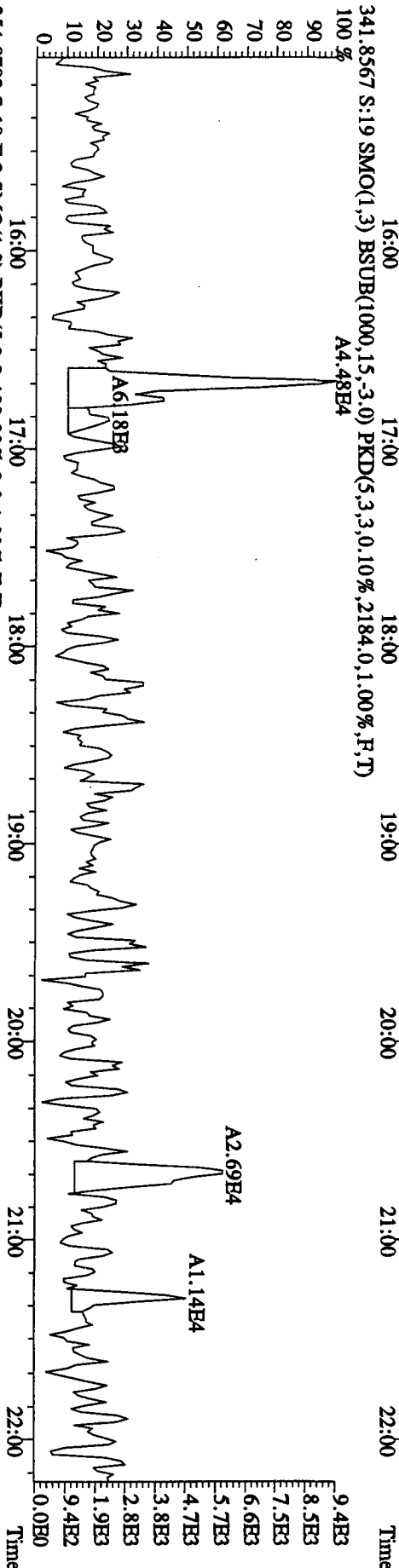
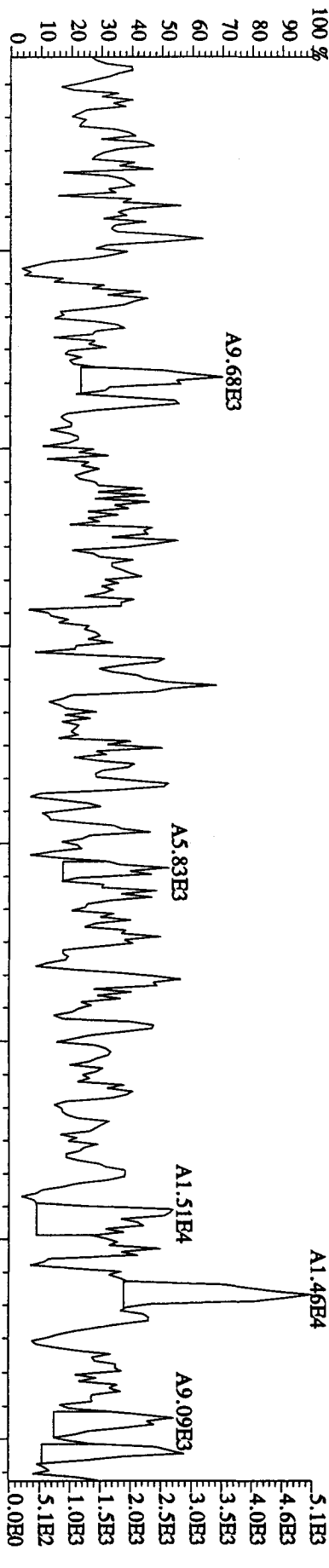
File:27AD104D5 #1-434 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
 327.8847 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,120,0,1,00%,F,T)
 100%



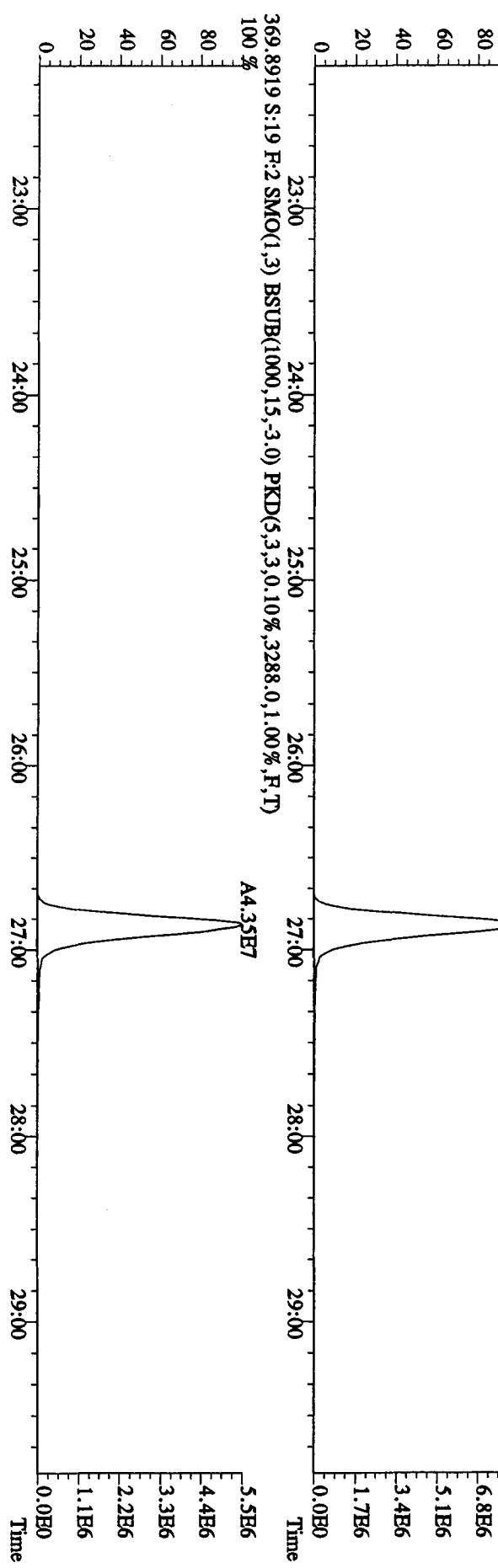
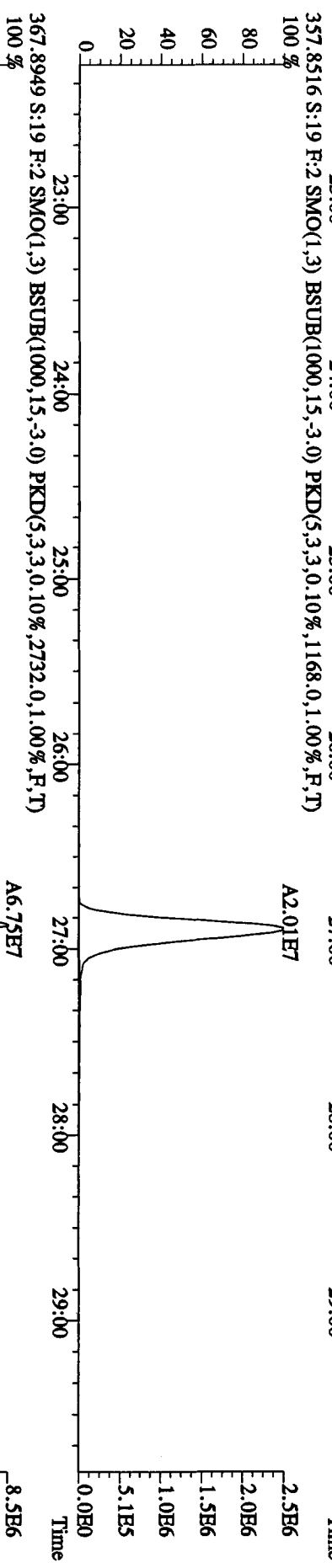
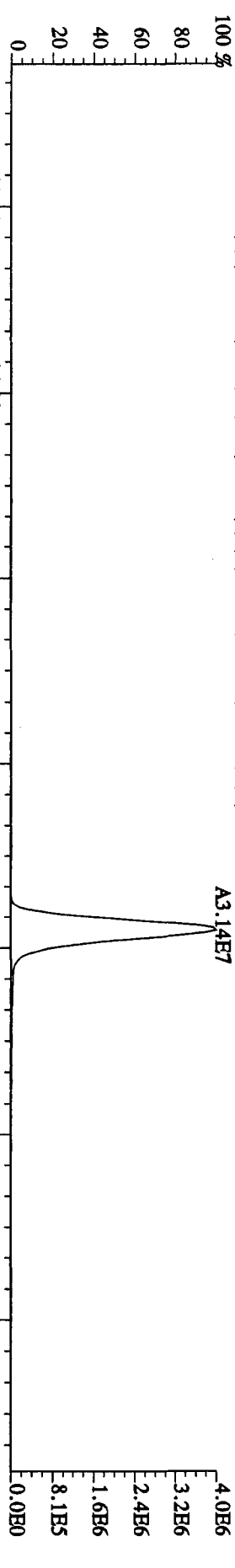
File:27AP104D5 #1-604 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
 339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2968.0,1.00%,F,T)
 100%



File: 27AP104D5 #1-434 Acq: 28-APR-2010 01:05:59 GC EI + Voltage SIR Autospec-UltimaB
 Sample#19 Text: ST0427A :CS3 10DXN083 Exp: DIOXINRES8290A
 339.8597 S:19 SMO(1.3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,1884.0,1.00%,F,T)

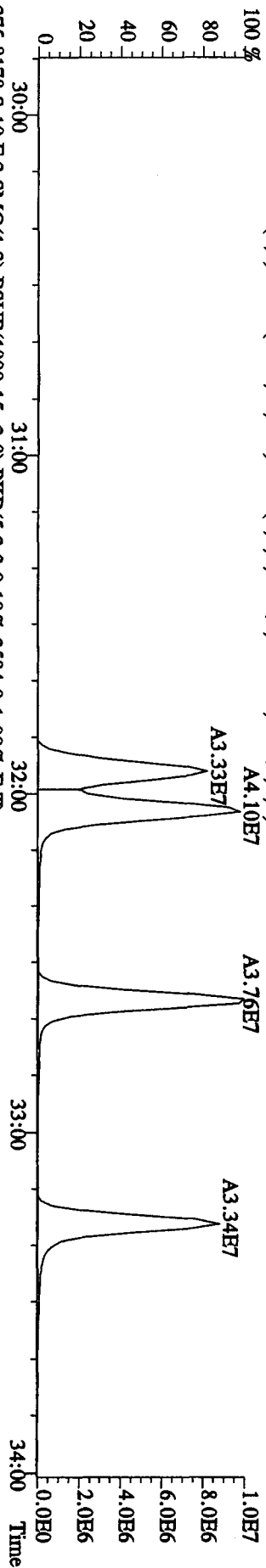


File:27API04D5 #1-604 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp.:DIOXINRES8290A
 357.8516 S:19 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1700,0,1,1.00%,F,T)
 100%

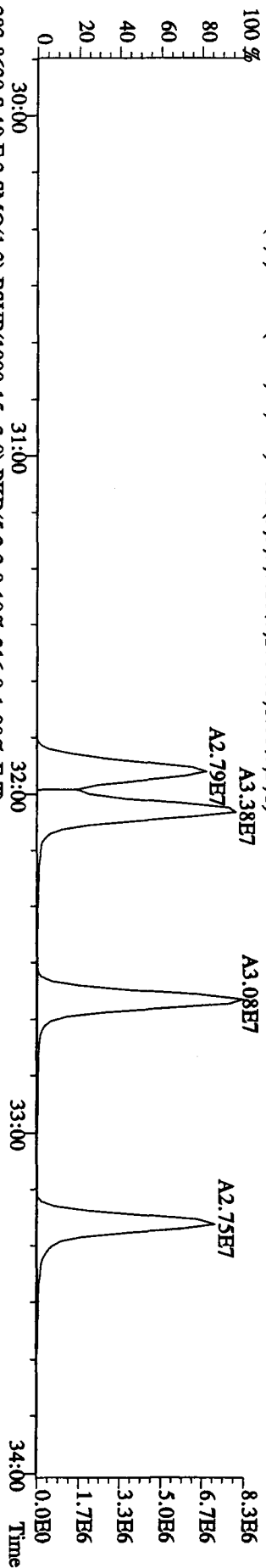


File: 27AP104D5 #1-317 Acq: 28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#19 Text: ST0427A :CS3 10DXN083 Exp: DIOXINRES8290A

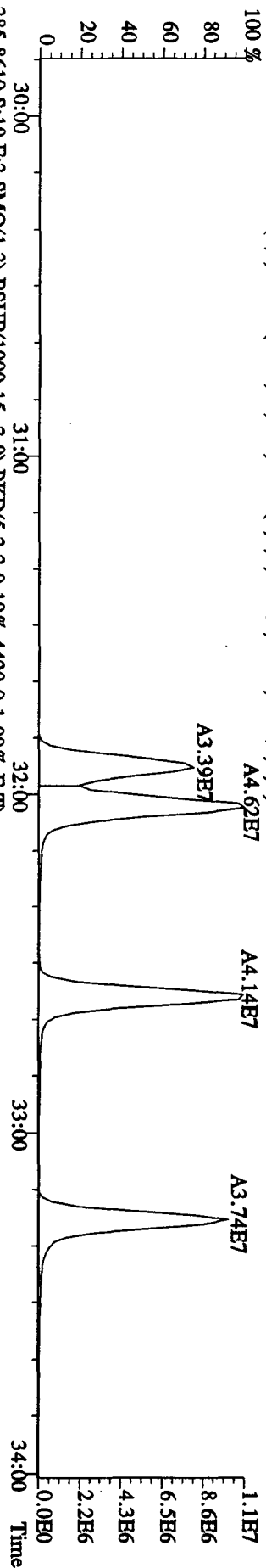
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1.6928,0,1.00% F,T)
 A4.10E7



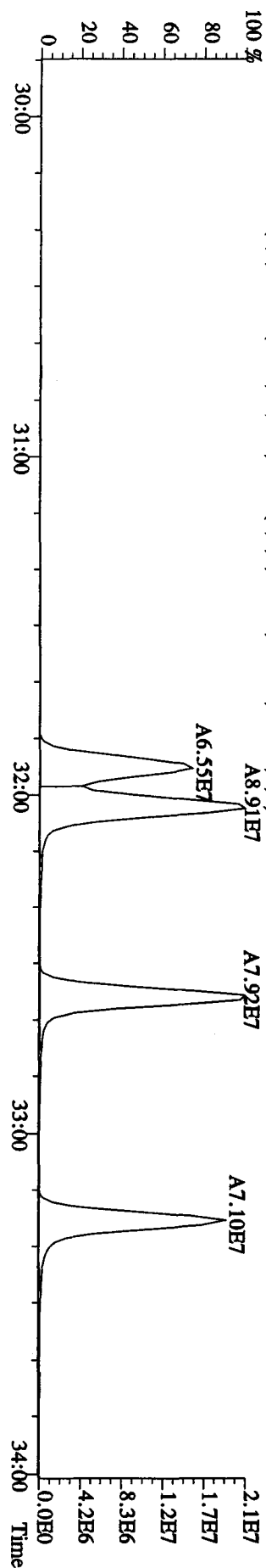
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2.584,0,1.00% F,T)
 A2.79E7 A3.38E7



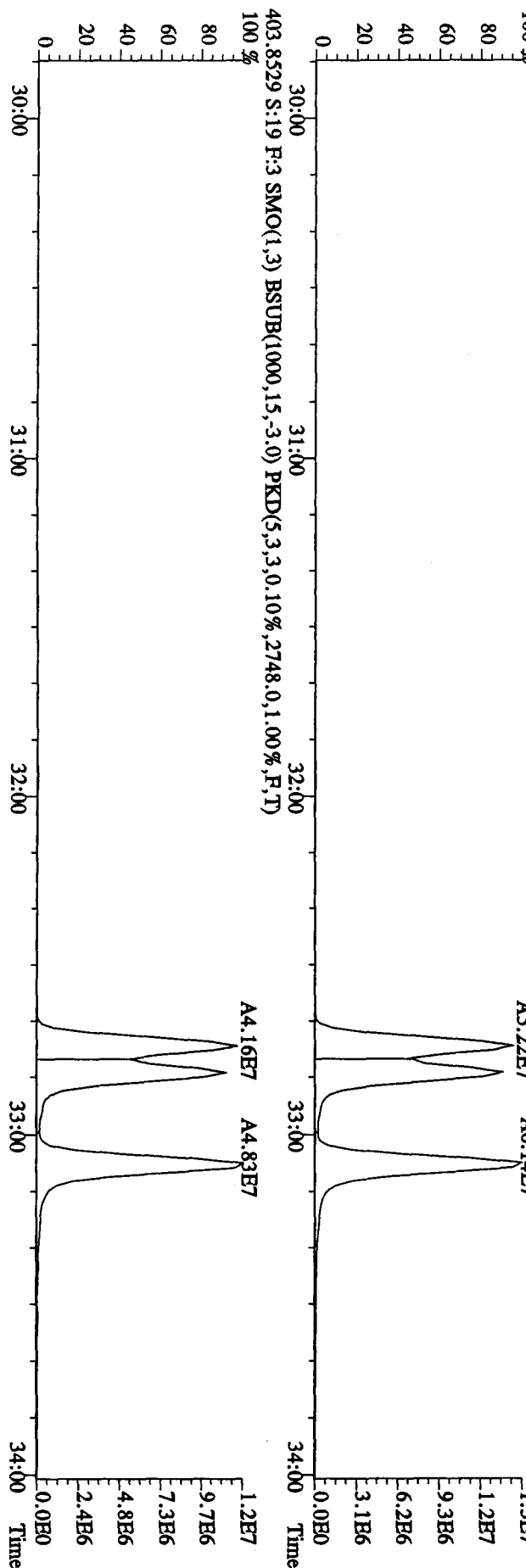
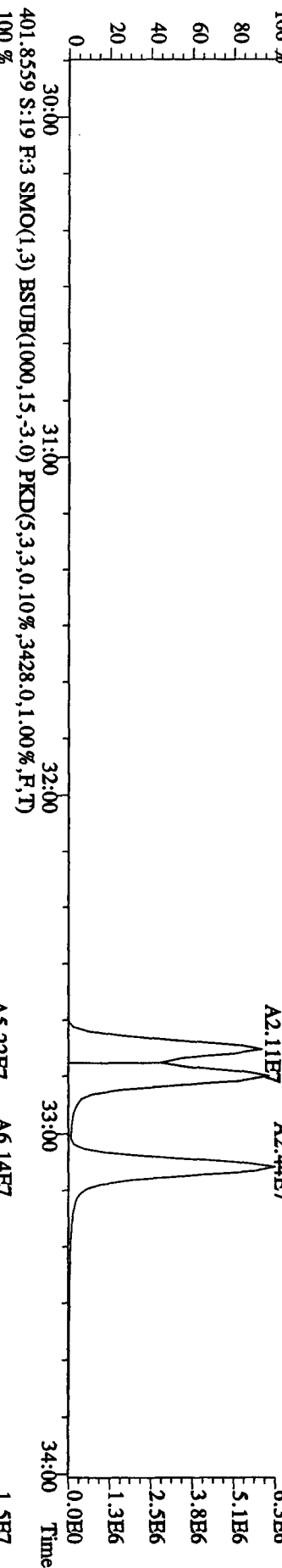
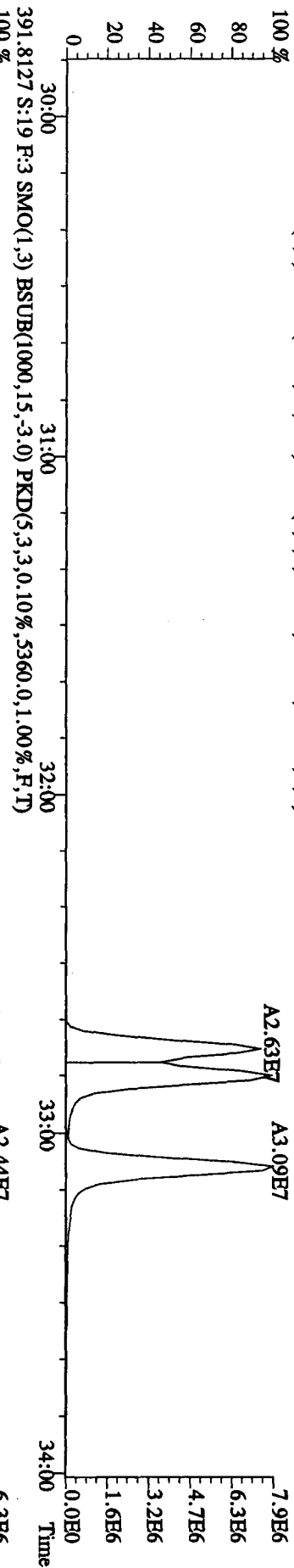
383.8639 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2.16,0,1.00% F,T)
 A3.39E7 A4.62E7



385.8610 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4.420,0,1.00% F,T)
 A6.55E7 A8.91E7



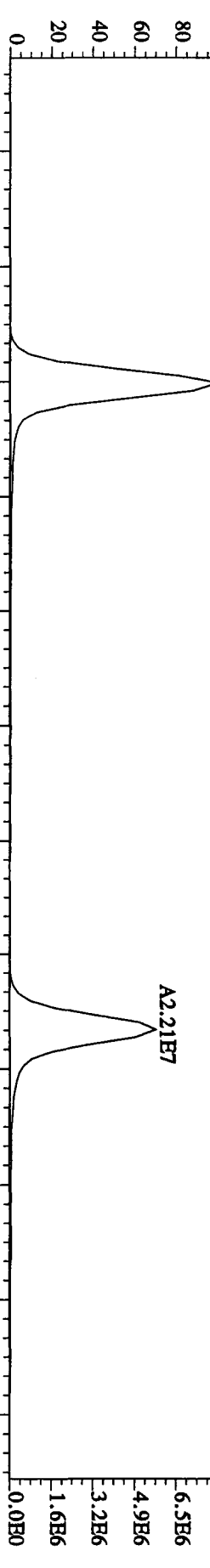
File:27AP104D5 #1-317 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
 389.8157 S:19 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1716.0,1.00%,F,T) 100%



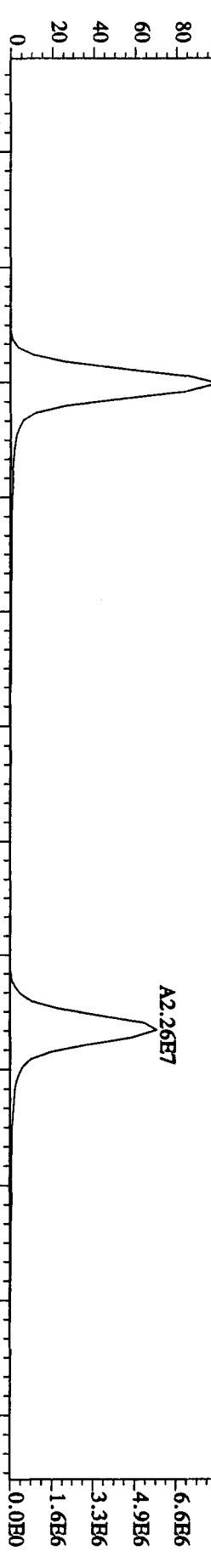
File:27AP104D5 #1-198 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaB

Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

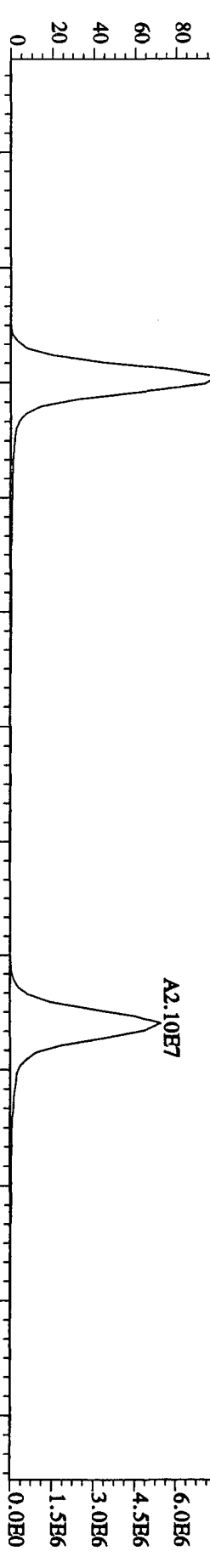
407.7818 S:19 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,13888,0,1.00%,F,T)



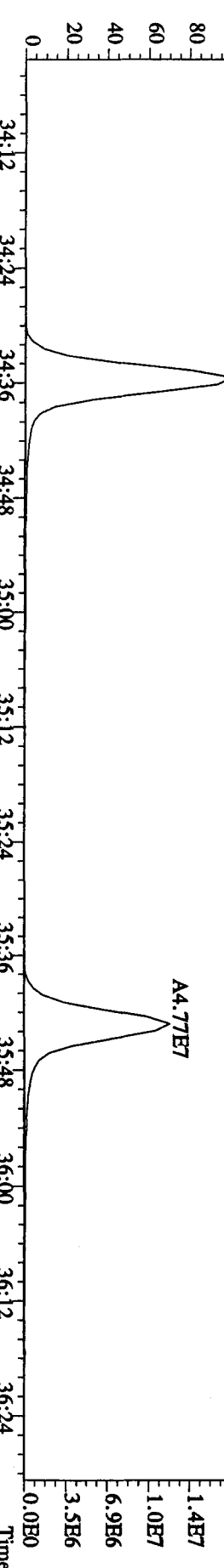
409.7789 S:19 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11340,0,1.00%,F,T)



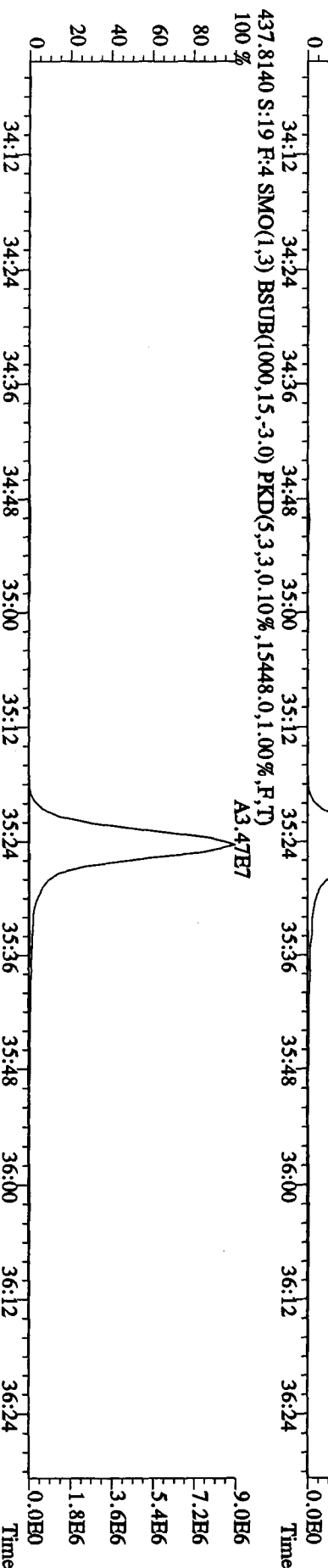
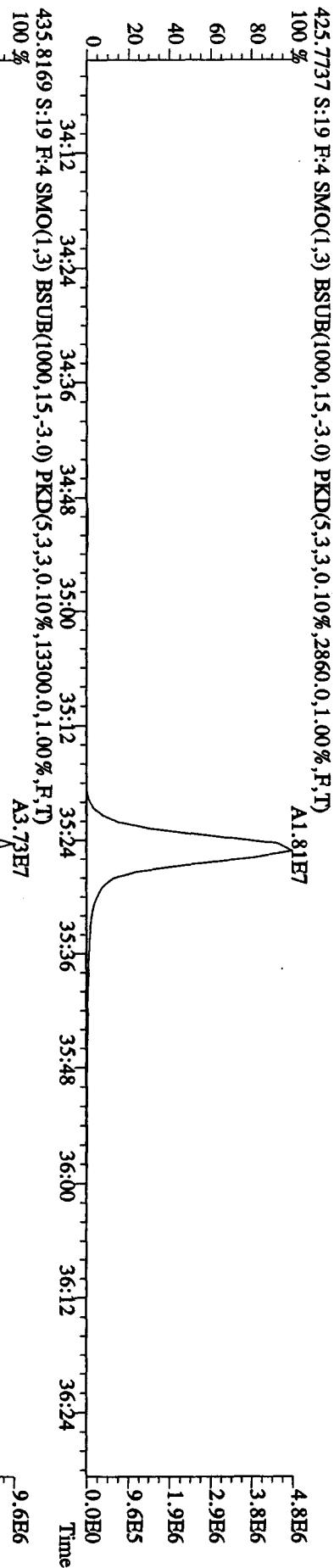
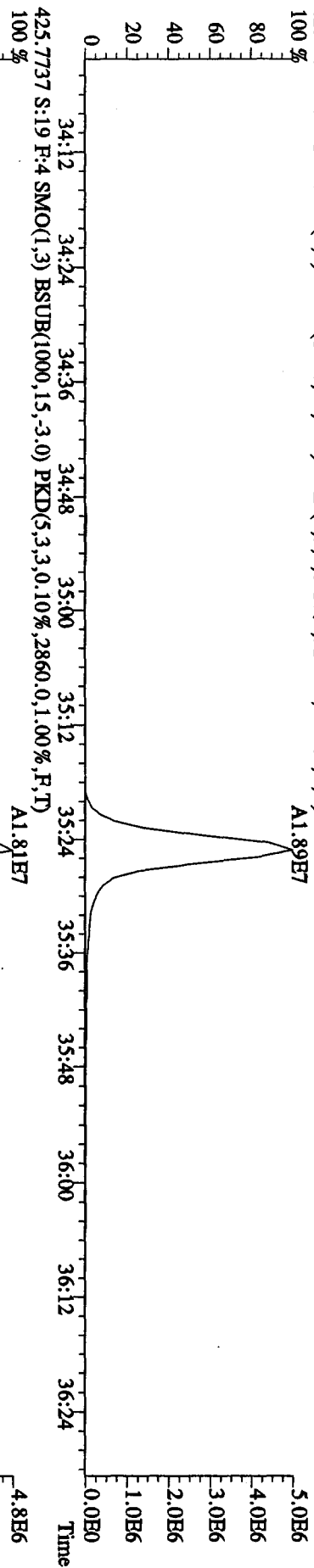
417.8253 S:19 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12800,0,1.00%,F,T)



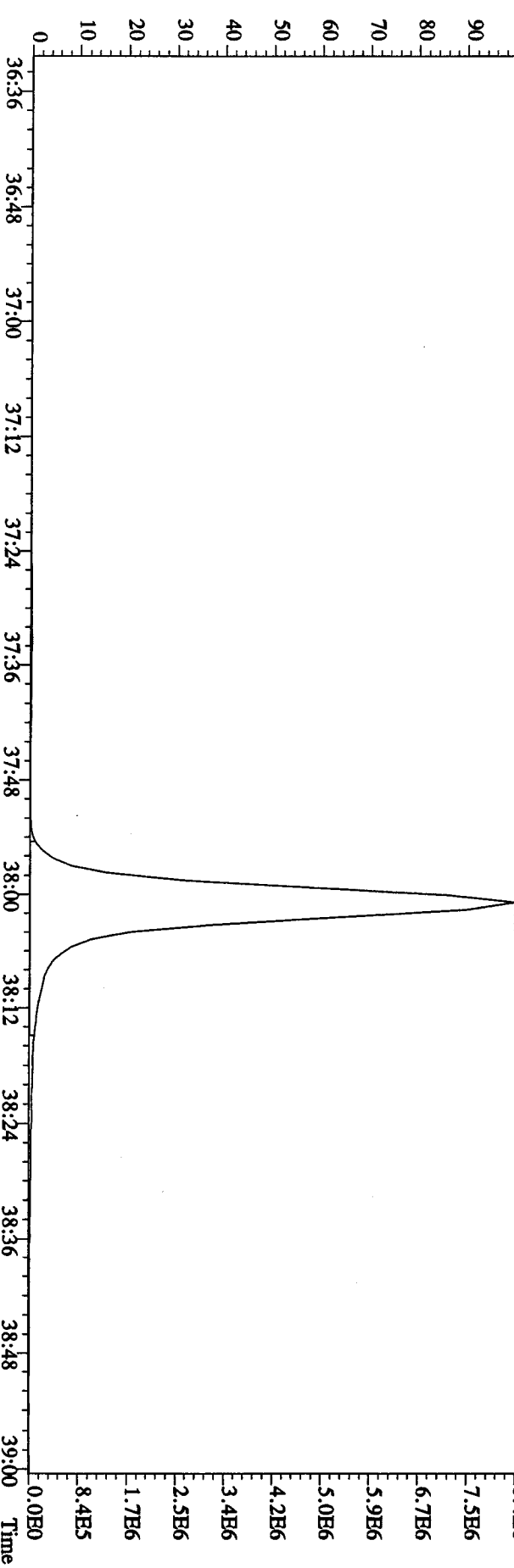
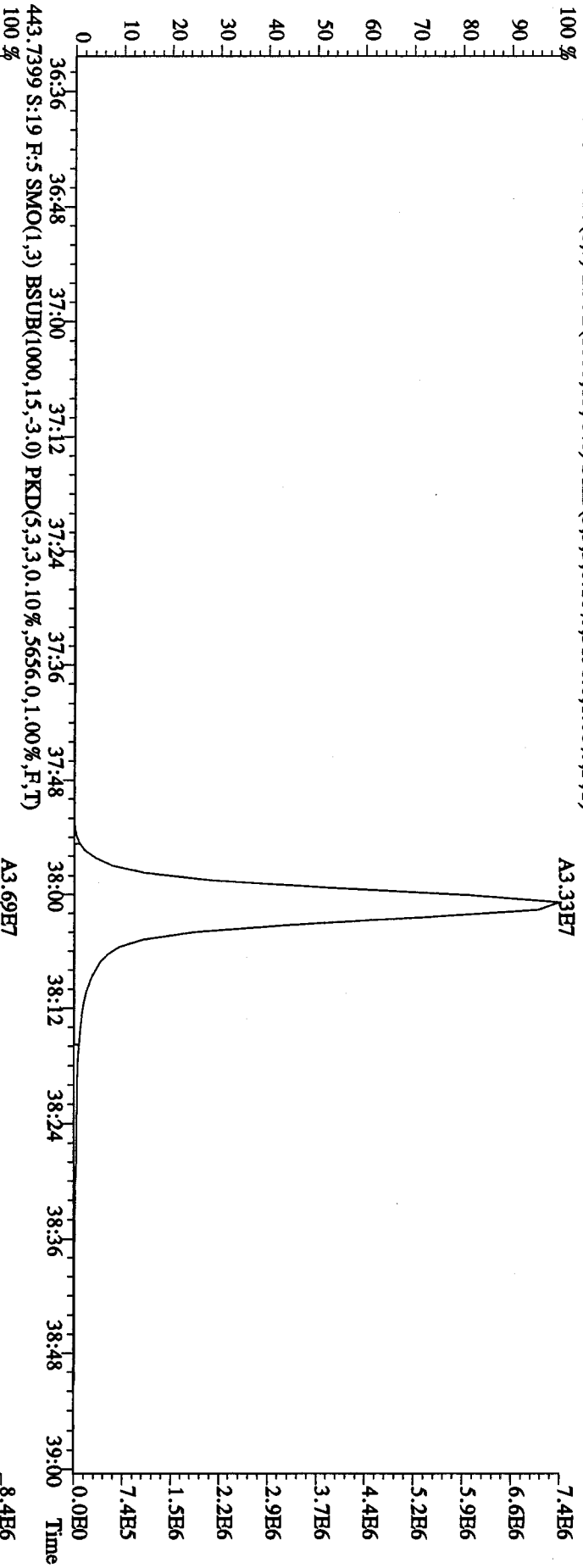
419.8220 S:19 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14796,0,1.00%,F,T)



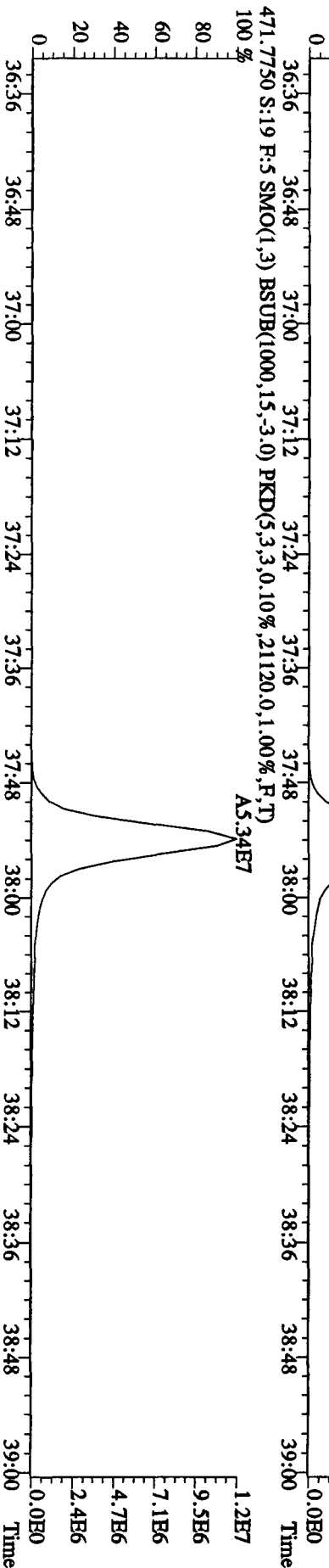
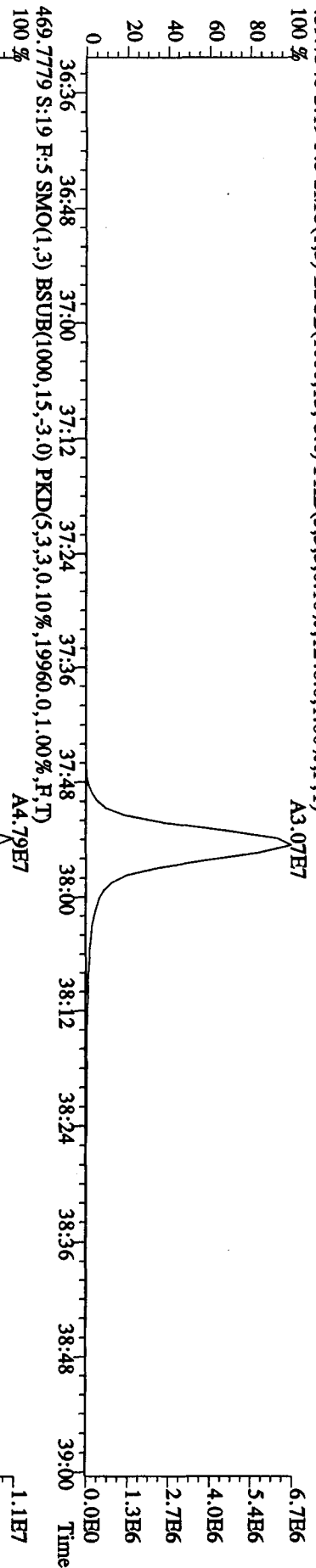
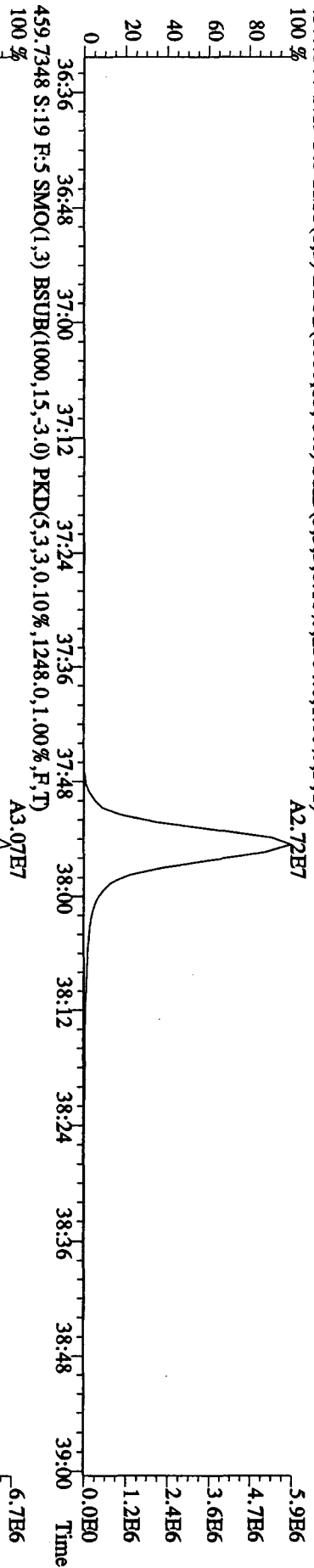
File:27AP104D5 #1-198 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
 423.7737 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3276,0.1,1.00%,F,T)
 100 %



File: 27AP104D5 #1-190 Acq: 28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text: ST0427A :CS3 10DDXN083 Exp: DIOXINRES8290A
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.3196,0,1.00%,F,T)
100%

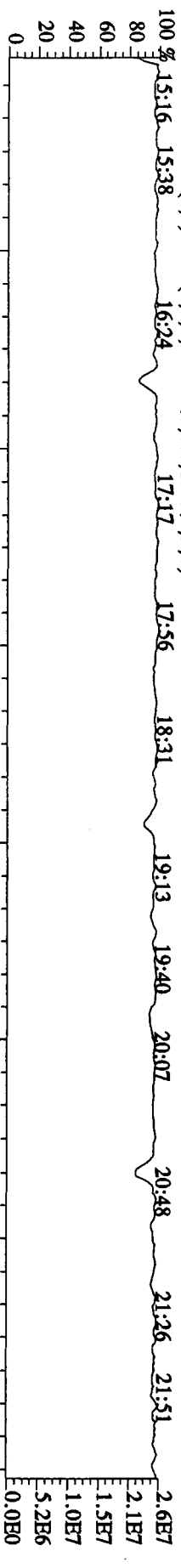


File: 27AP104D5 #1-190 Acq: 28-APR-2010 01:05:59 GC EI + Voltage SIR Autospec-UtimaE
 Sample#19 Text: ST0427A :CS3 10DXN083 Exp: DIOXINRESS8290A
 457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2304.0,1.00%,F,T)

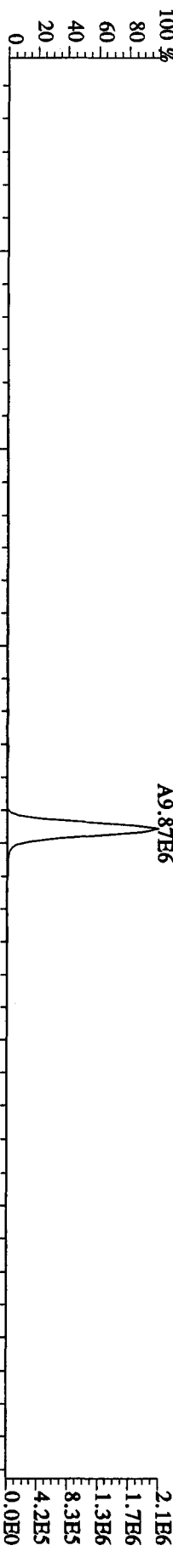


File:27AP104D5 #1-434 Acq:28-APR-2010 01:05:59 GC BI + Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

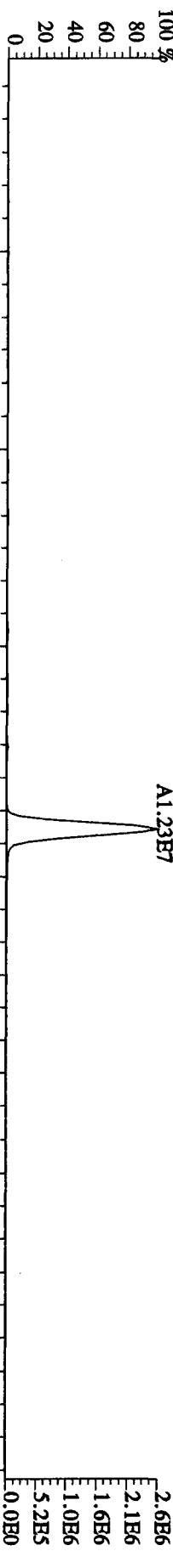
354.9792 S:19 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



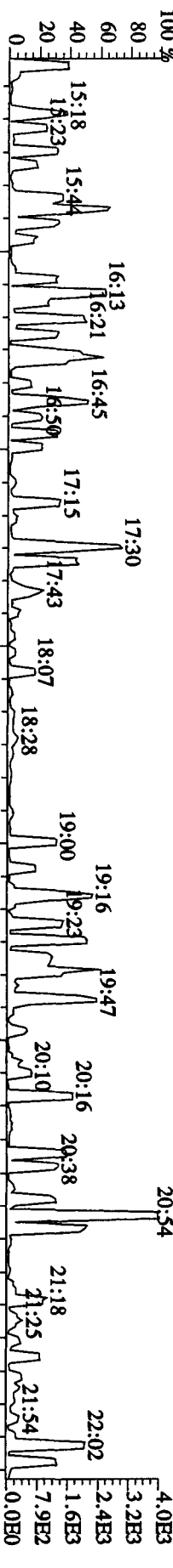
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2064.0,1.00%,F,T)



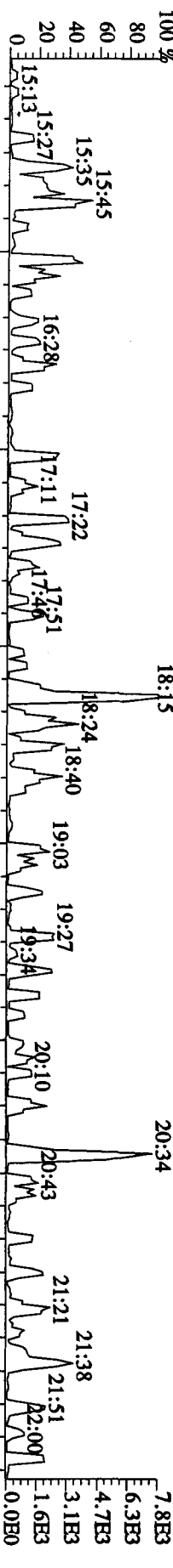
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)



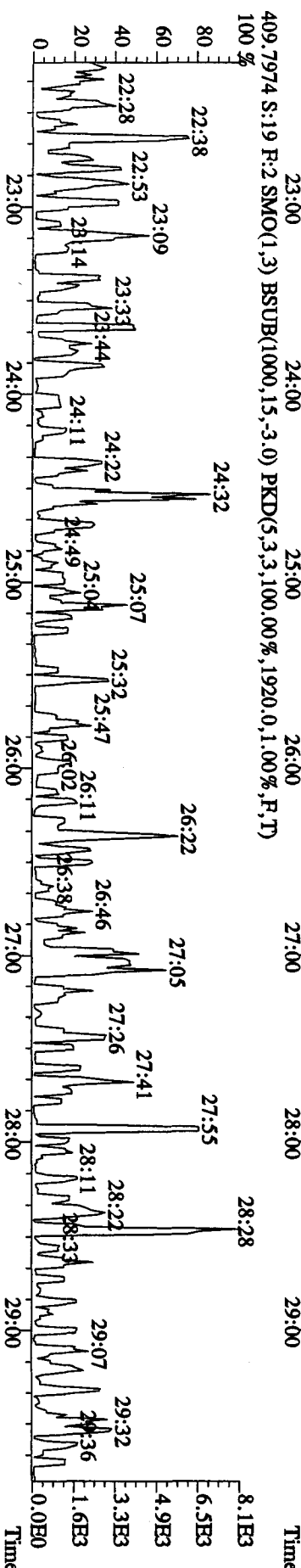
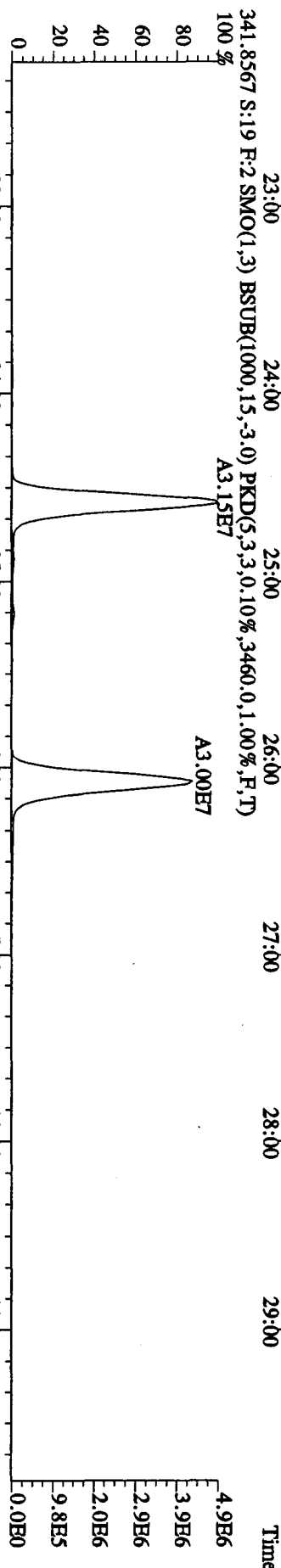
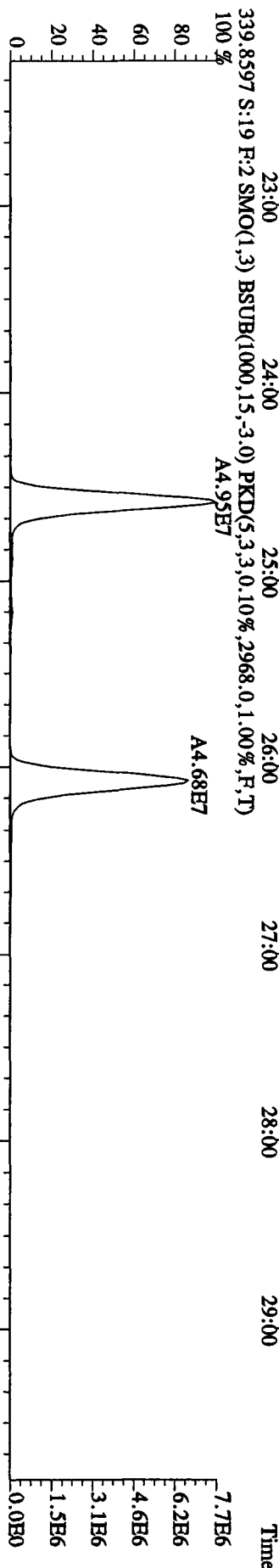
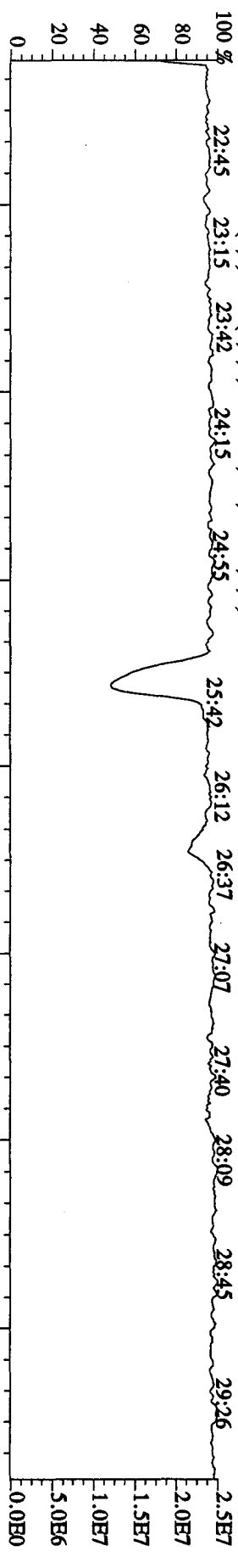
375.8364 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)



409.7974 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)

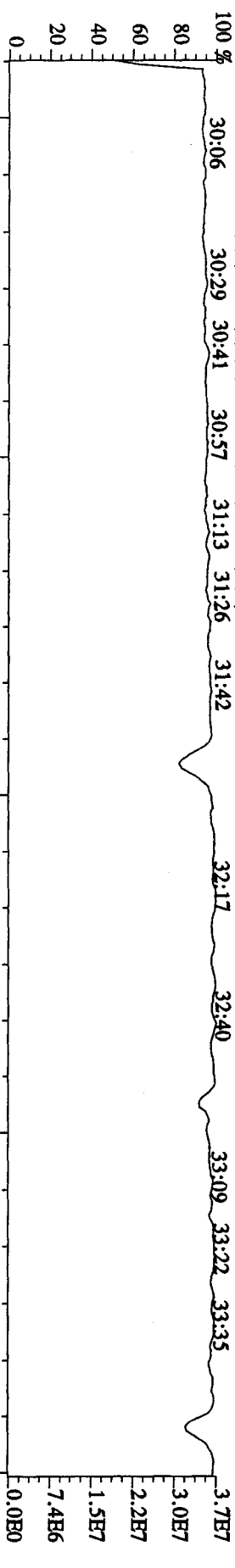


File:27AP104D5 #1-604 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
 354.9792 S:19 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

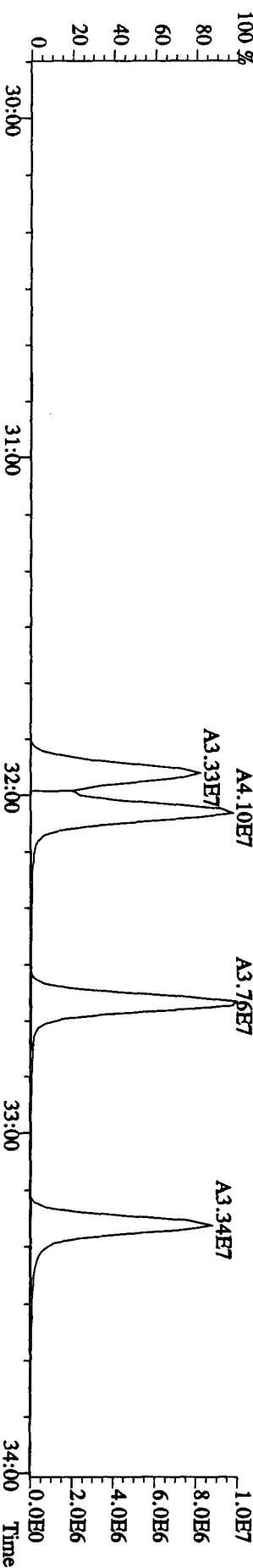


File: 27AP104D5 #1-317 Acq: 28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-Ultimate
Sample#19 Text: ST0427A : CS3 10DXN083 Exp: DIOXINRES8290A

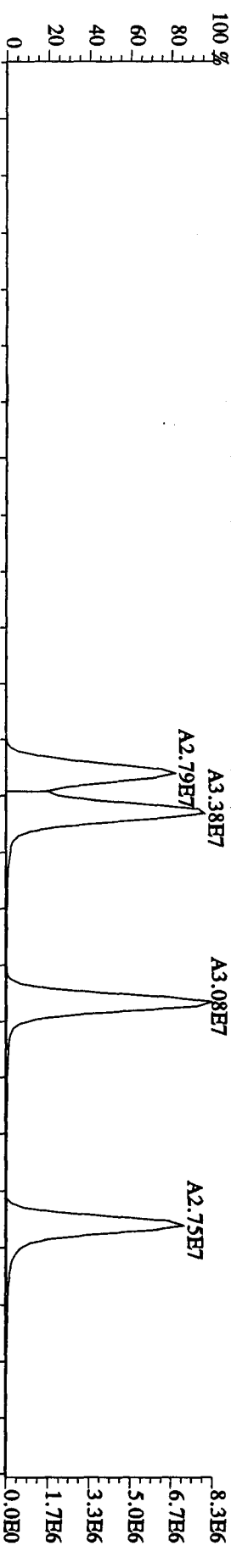
430.9728 S:19 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100% 30:06 30:29 30:41 30:57 31:13 31:26 31:42



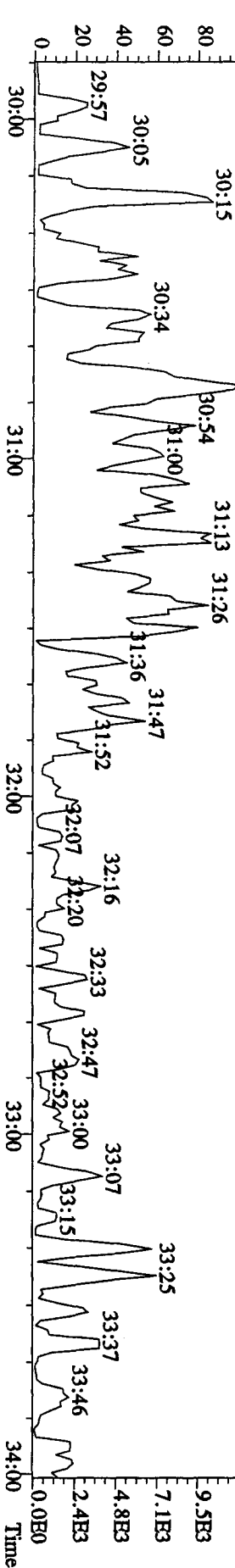
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16928.0,1.00%,F,T)
100% 30:00 31:00 32:00 33:00 34:00



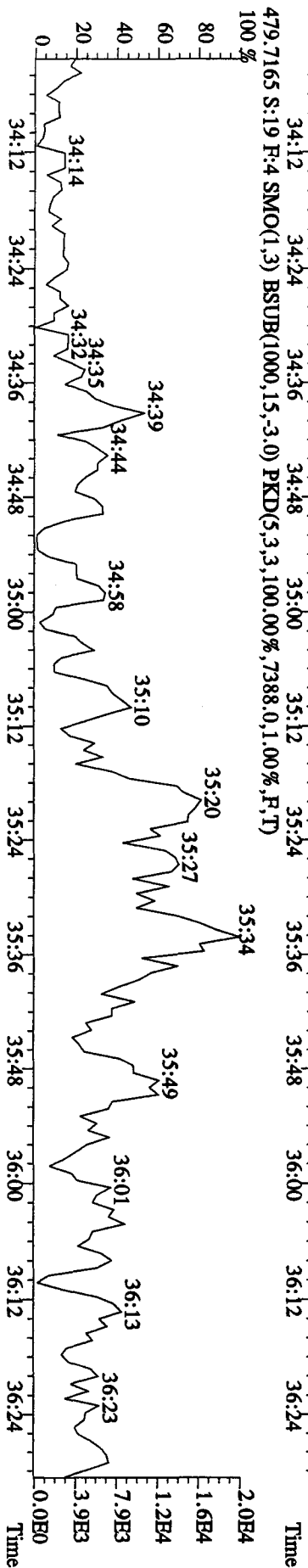
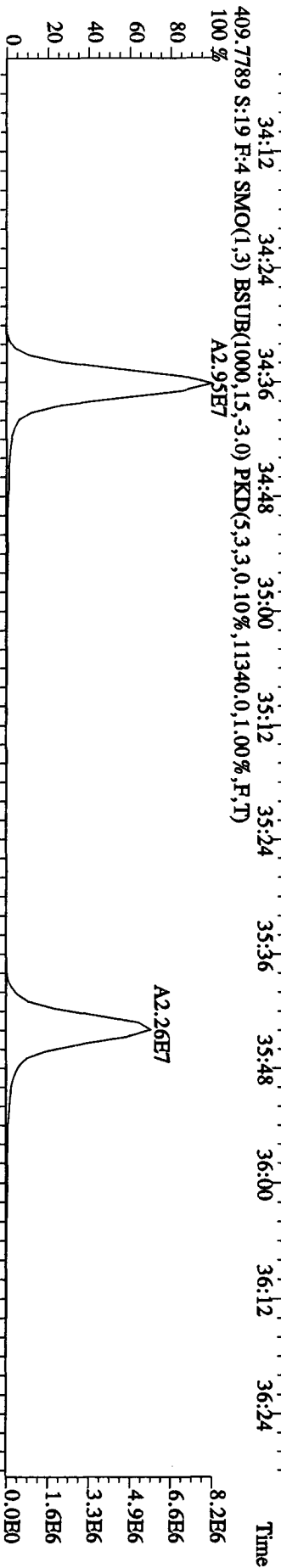
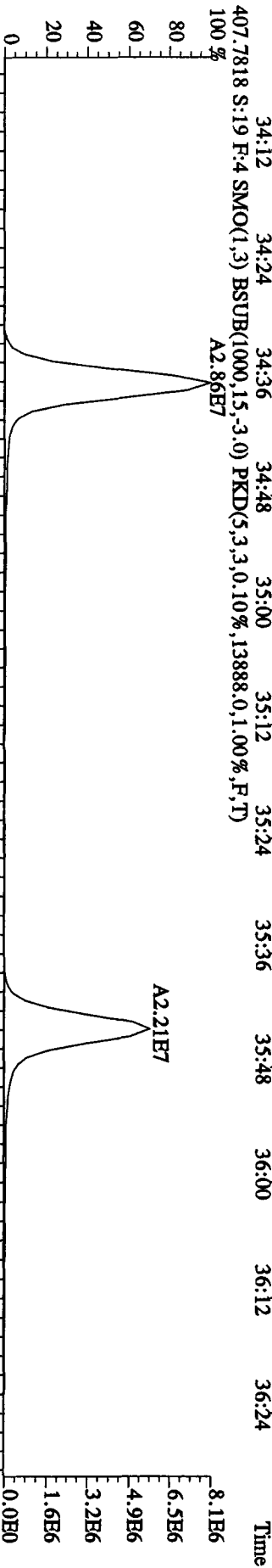
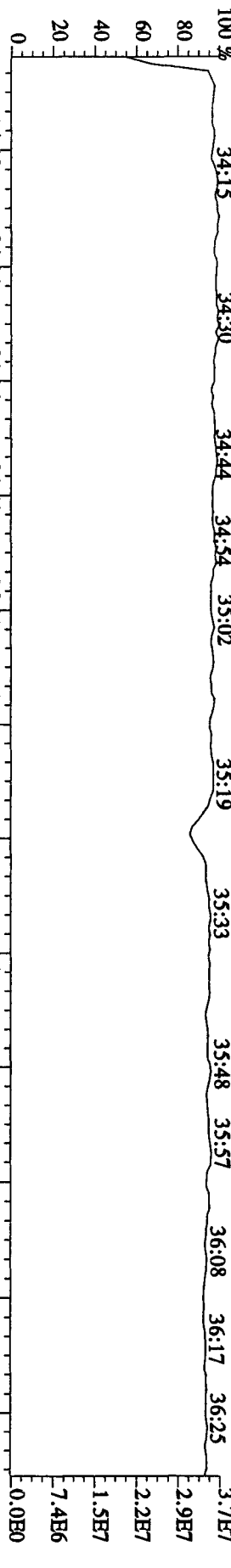
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2584.0,1.00%,F,T)
100% 30:00 31:00 32:00 33:00 34:00



445.7555 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2124.0,1.00%,F,T)
100% 30:00 31:00 32:00 33:00 34:00

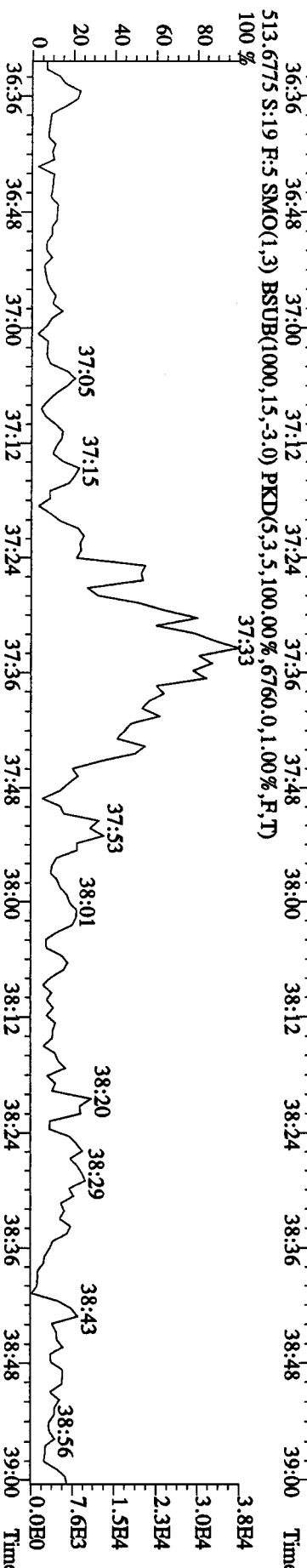
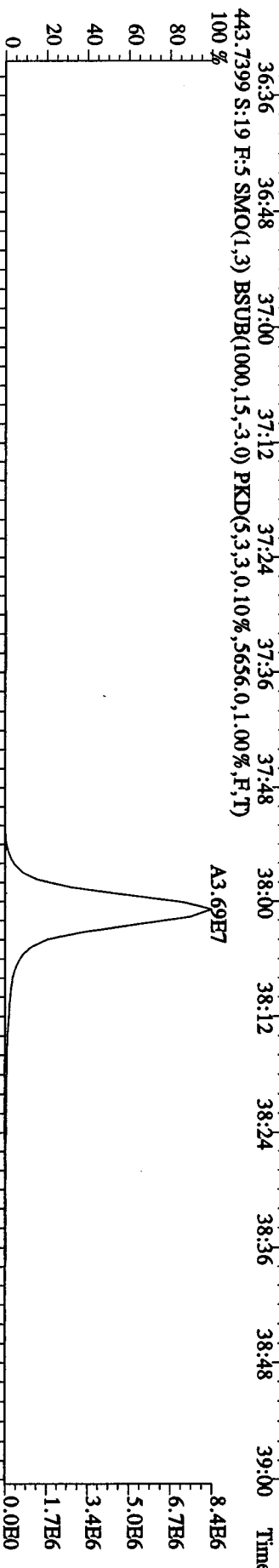
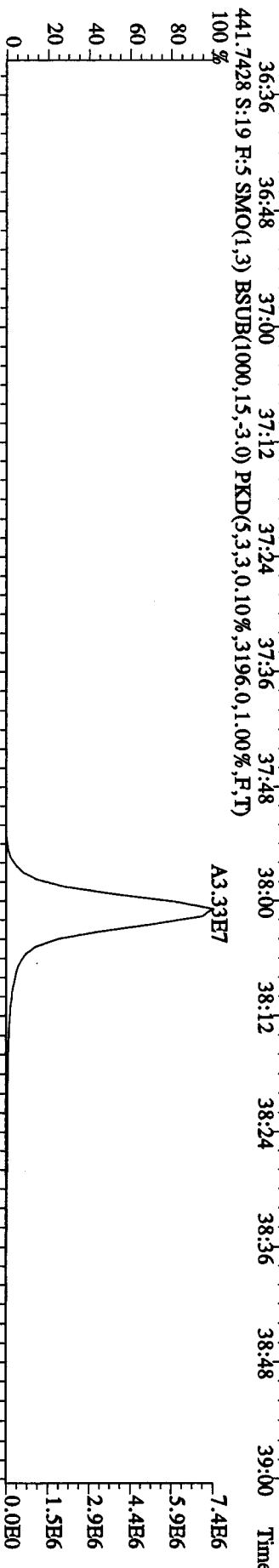
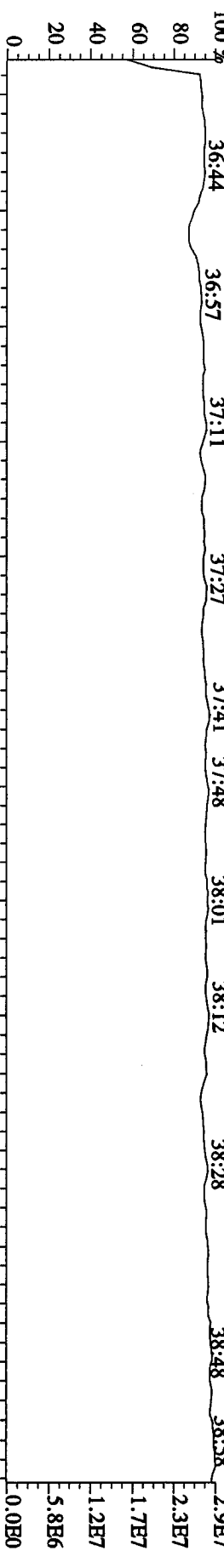


File:27AP104D5 #1-198 Acq:28-APR-2010 01:05:59 GC EI + Voltage SIR Autospec-UltimaB
 Sample#19 Text:ST0427A :CS3 10DXN083 Exp.:DIOXINRES8290A
 430.9728 S:19 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 27AP104D5 #1-190 Acq: 28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaB

Sample#19 Text: ST0427A :CS3 10DXN083 Exp: DIOXINRES8290A



Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290)

Column ID DB225

STD ID ST0428, ST0428A

Analyzed by KSS

Std. Pkg. By AS

Std. Pkg. Reviewed By KSS

Associated ICAL DB225 0421105D2

Instrument ID 5D2

STD Solution 10PXN111

Date Analyzed 04-28-10

Date Std. Pkg. Assembled 04-29-10

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: ST0428 File text: ST0428 :CS3 10DXN111
 Run #6 Filename 28AP105D2 S: 1 I: 1
 Acquired: 28-APR-10 09:29:38 Processed: 28-APR-10 16:11:35
 Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results:

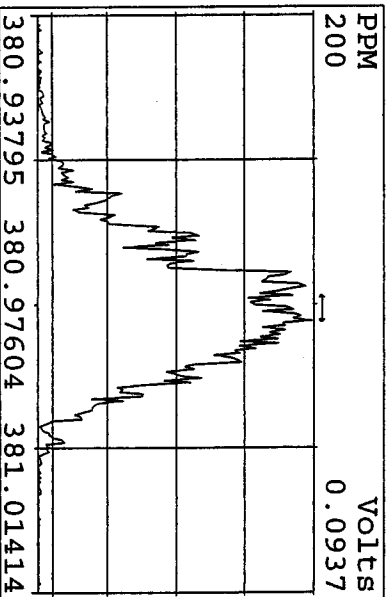
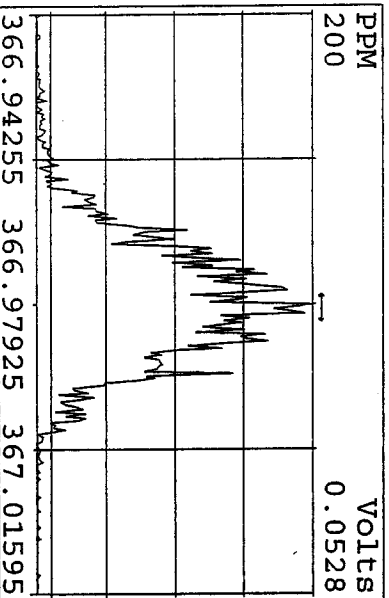
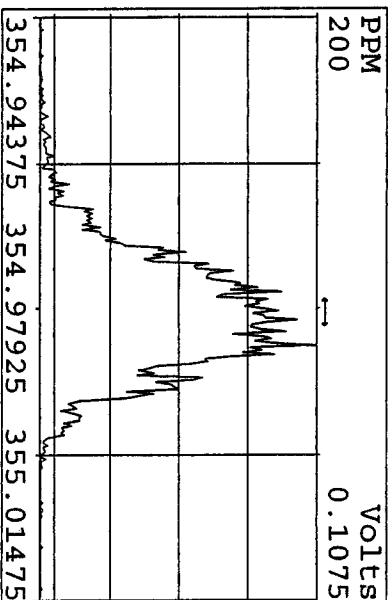
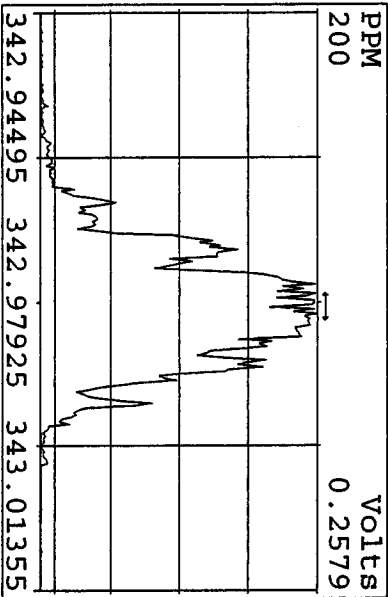
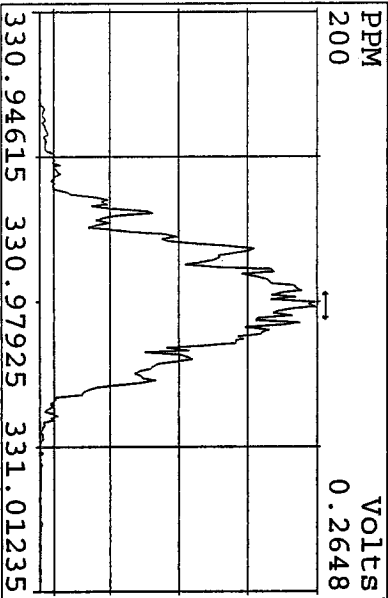
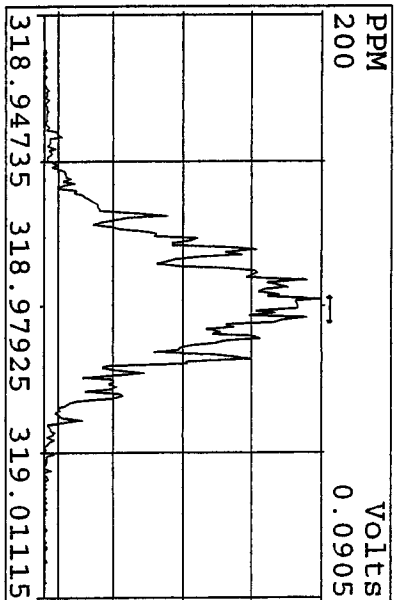
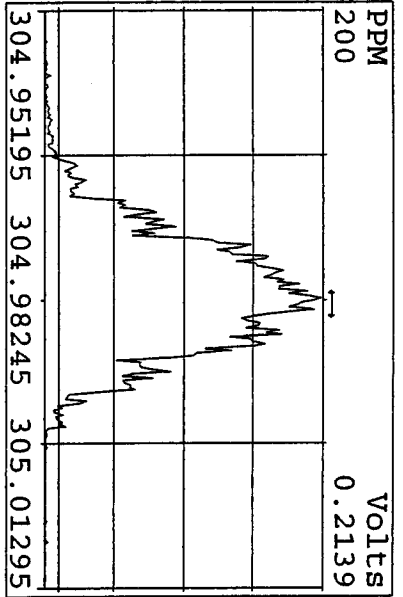
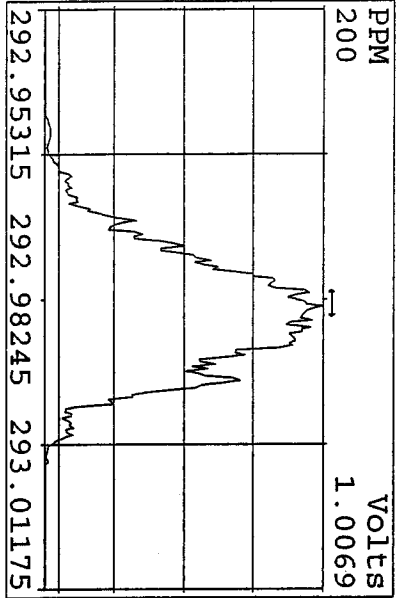
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	85836156	0.76 y	15:01	-	100.00	-	n
13C-2,3,7,8-TCDF	159388152	0.80 y	16:13	1.86	100.00	-11.8	n
2,3,7,8-TCDF	17408857	0.81 y	16:14	1.09	10.00	0.3	n
13C-2,3,7,8-TCDD	86717344	0.75 y	14:50	1.01	100.00	6.5	n
2,3,7,8-TCDD	10925574	0.84 y	14:51	1.26	10.00	-7.2	n
37C1-2,3,7,8-TCDD	18920286	1.00 y	14:51	2.20	10.00	-3.2	n

Run text: ST0428A File text: ST0428A :CS3 10DXN111
Run #19 Filename 28AP105D2 S: 16 I: 1
Acquired: 28-APR-10 18:49:33 Processed: 28-APR-10 19:39:55
Run: 28AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 28AP105D2DB225

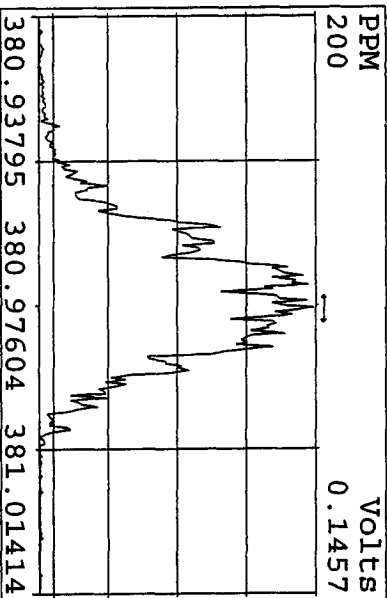
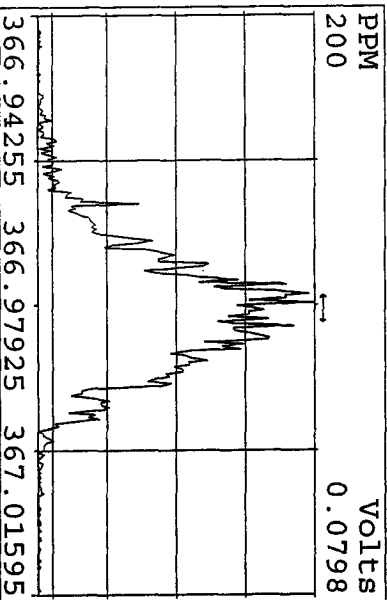
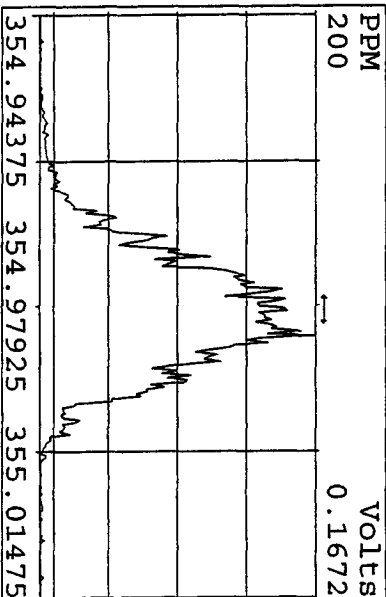
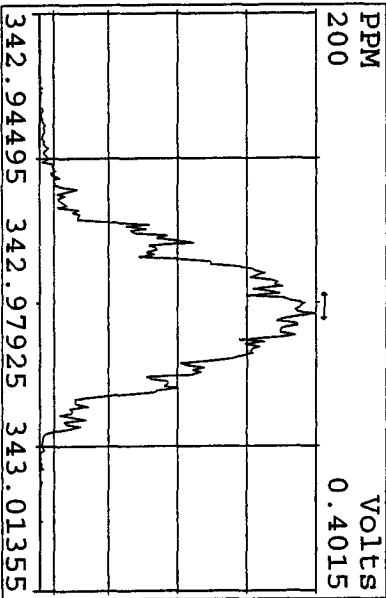
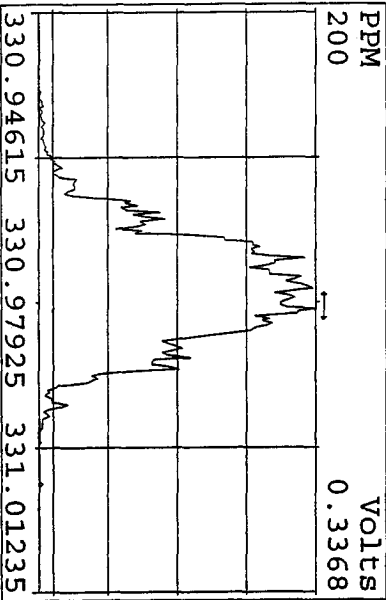
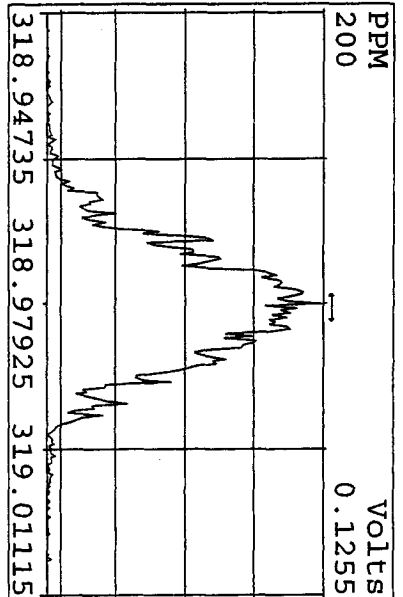
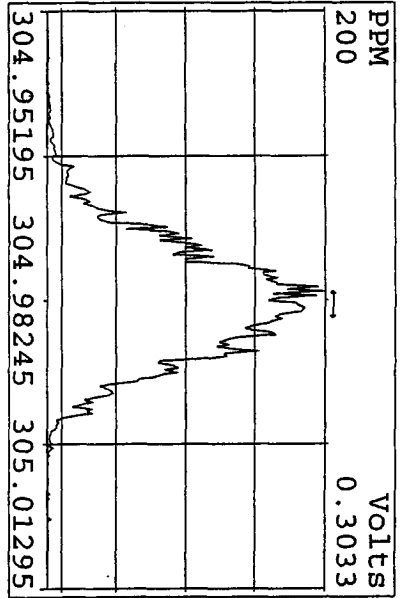
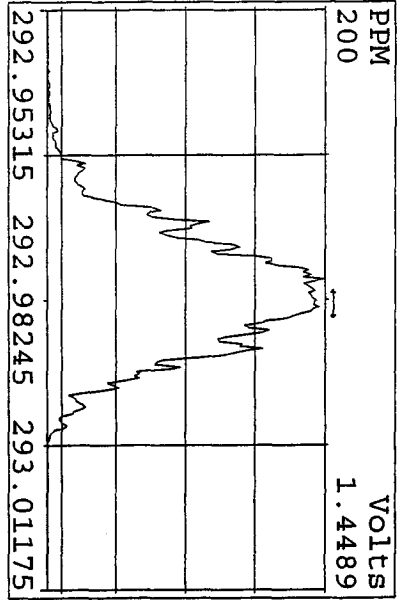
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	103770300	0.77 y	14:57	-	100.00	-	n
13C-2,3,7,8-TCDF	181150000	0.82 y	16:08	1.75	100.00	-17.1	n
2,3,7,8-TCDF	19425110	0.82 y	16:10	1.07	10.00	-1.5	n
13C-2,3,7,8-TCDD	99848900	0.75 y	14:45	0.96	100.00	1.4	n
2,3,7,8-TCDD	12658020	0.83 y	14:47	1.27	10.00	-6.6	n
37Cl-2,3,7,8-TCDD	21864200	1.00 y	14:47	2.11	10.00	-7.5	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
28AP105D2	1	ST0428	CS3 10DXN111				1.000	
28AP105D2	2	CP0428	DB-225 CPSM 3732-06				1.000	
28AP105D2	3	SB0428	Solvent Blank C-14				1.000	
28AP105D2	4	LXXKQ-1-AD	GOD140422-3	10	8290/SOLID	73	10.220 g	
28AP105D2	5	LXXKG-1-AD	GOD140422-1	10	8290/SOLID		10.320 g	
28AP105D2	6	LXXLD-1-AD	GOD140422-9	10	8290/SOLID		10.240 g	
28AP105D2	7	LXXK4-1-AD	GOD140422-7	10	8290/SOLID		10.100 g	
28AP105D2	8	LXXKW-1-AD	GOD140422-5	10	8290/SOLID		10.210 g	
28AP105D2	9	LXXLV-1-AD	GOD140422-11	10	8290/SOLID		10.040 g	
28AP105D2	10	SB0428A	Solvent Blank C-14				1.000	
28AP105D2	11	LX43P-1-AC	GOD160597-1	20	1613B/SOLID	80	10.450 g	
28AP105D2	12	LXXTR-1-AD	GOD140435-4	10	8290/SOLID	75	10.030 g	
28AP105D2	13	LXXQX-1-AD	GOD140435-1	10	8290/SOLID		10.580 g	
28AP105D2	14	LXXTC-1-AD	GOD140435-2	10	8290/SOLID		10.320 g	
28AP105D2	15	SB0428B	Solvent Blank C-14				1.000	
28AP105D2	16	ST0428A	CS3 10DXN111				1.000	
28AP105D2	17						1.000	
28AP105D2	18						1.000	
28AP105D2	19						1.000	
28AP105D2	20		AS 04-28-10		LOGFILE v'd		1.000	
28AP105D2	21				4129110 KSS		1.000	

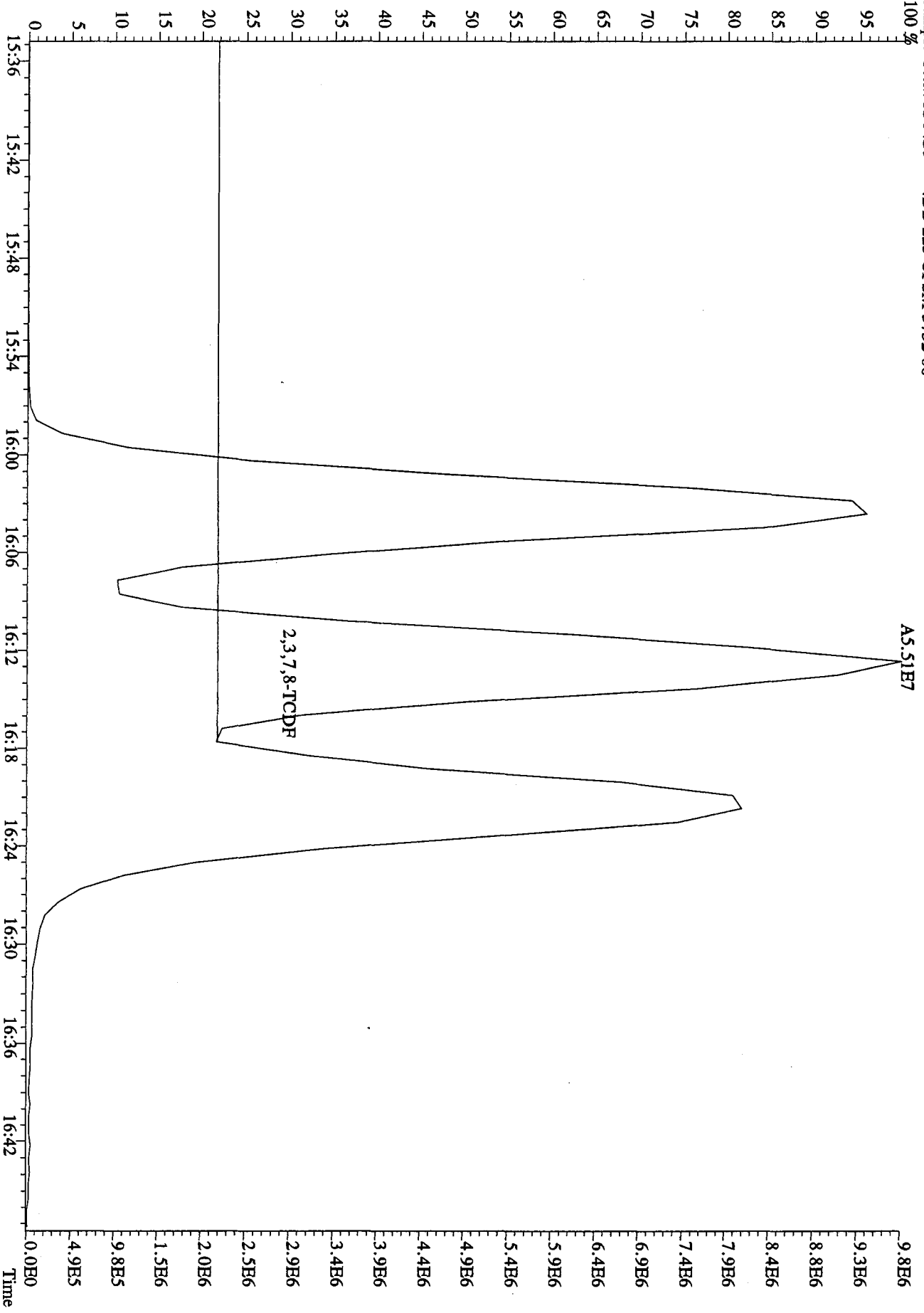
Peak Locate Examination: 28-APR-2010:09:28 File:28AP105D2
 Experiment:DB225RFS Function:1 Reference:PFK



Peak Locate Examination: 28-APR-2010:19:50 File: RESCHK28AP105D2
Experiment: DB225RES Function: 1 Reference: PFK



File: 28AP105D2 #1-1241 Acq: 28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
 303.9016 S: 2 BSUB(1000, 15, -3.0) Exp: DB225RES Noise: 844
 Sample Text: CP0428 : DB-225 CFSM 3732-06
 100 %

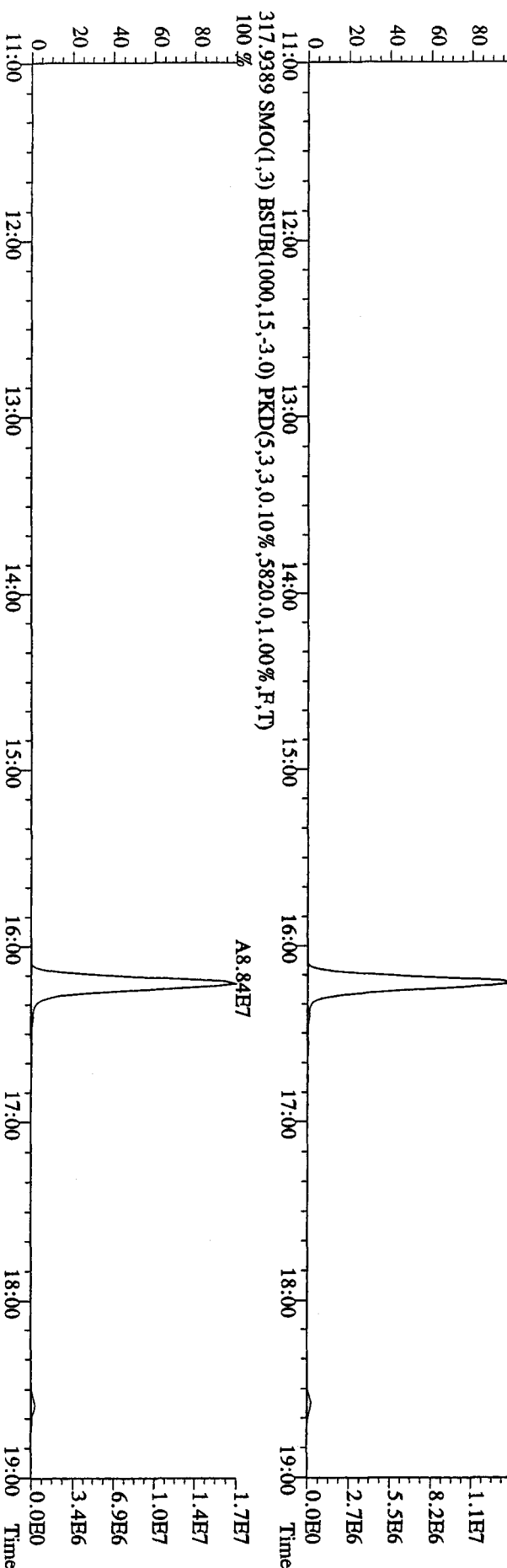
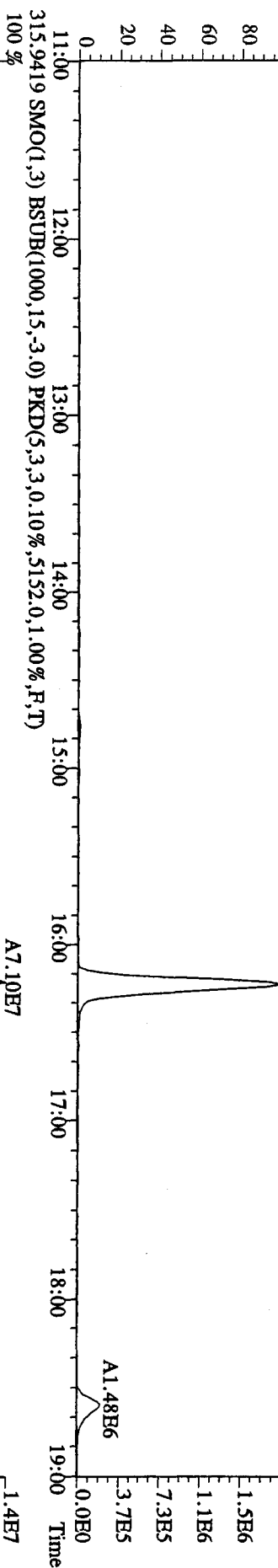
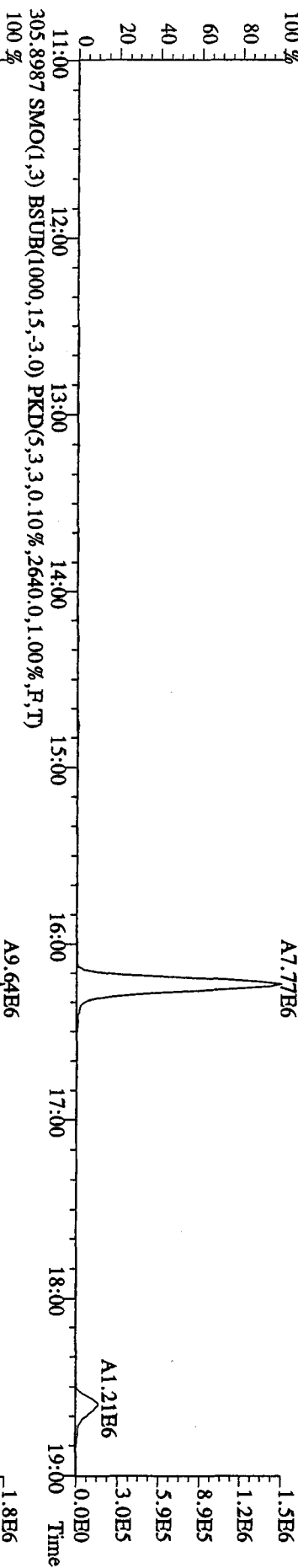


Run: 21API05D2 Analyte: DB225 Cal: DB2250421105D2

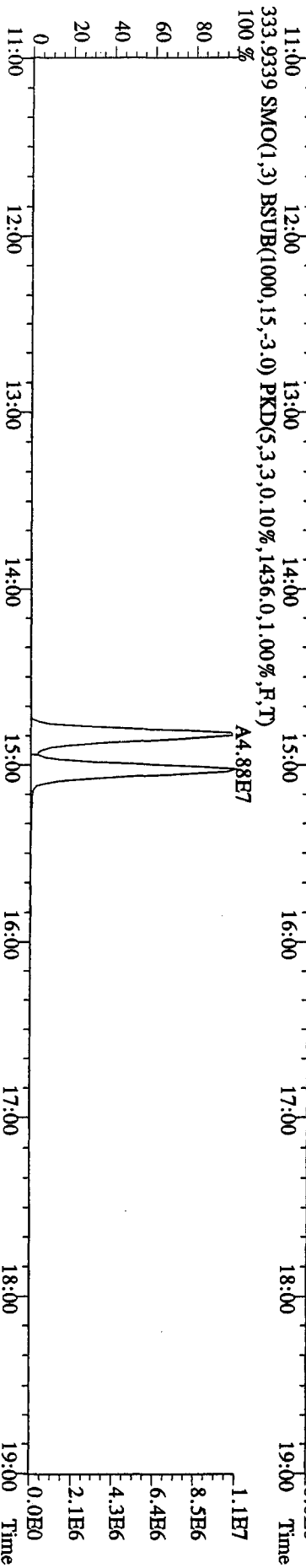
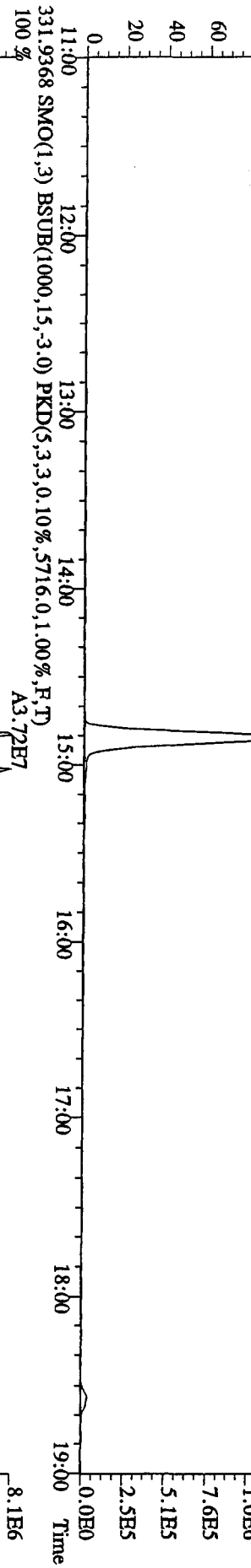
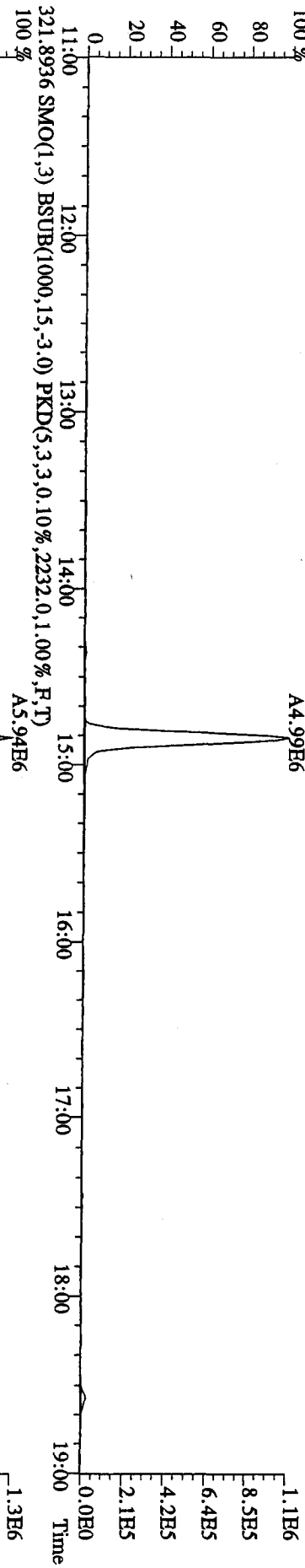
ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
 ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

Name	Mean	S. D.	%RSD	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:28AP105D2 #1-1242 Acq:28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0428 :CS3 10DXN111 Exp:DB225RHS
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2032.0,1.00%,F,T) 100%



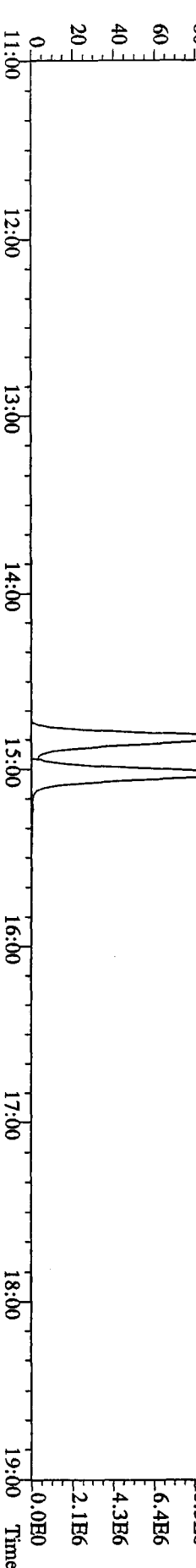
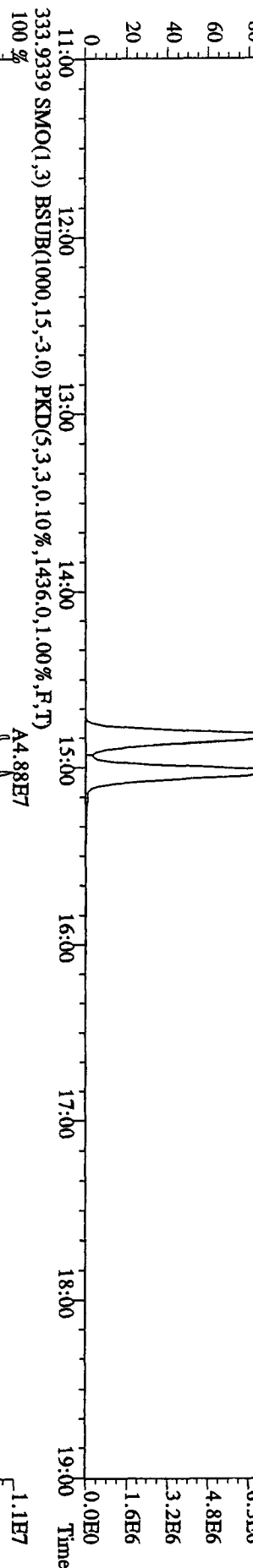
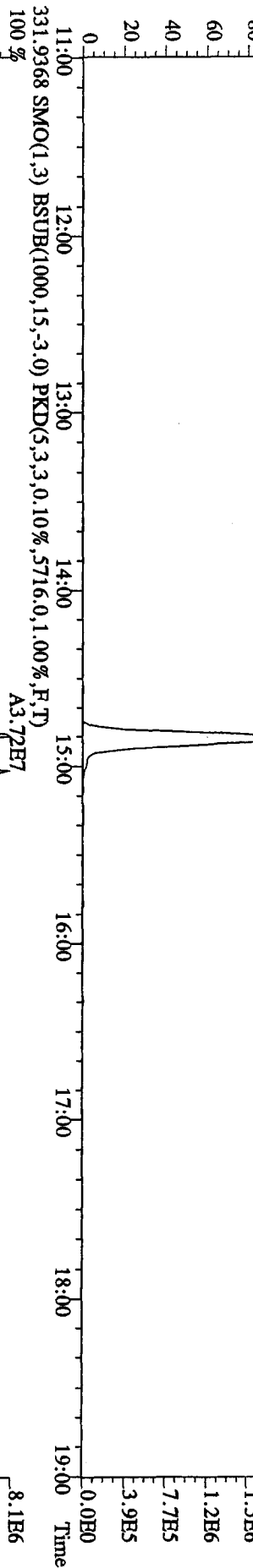
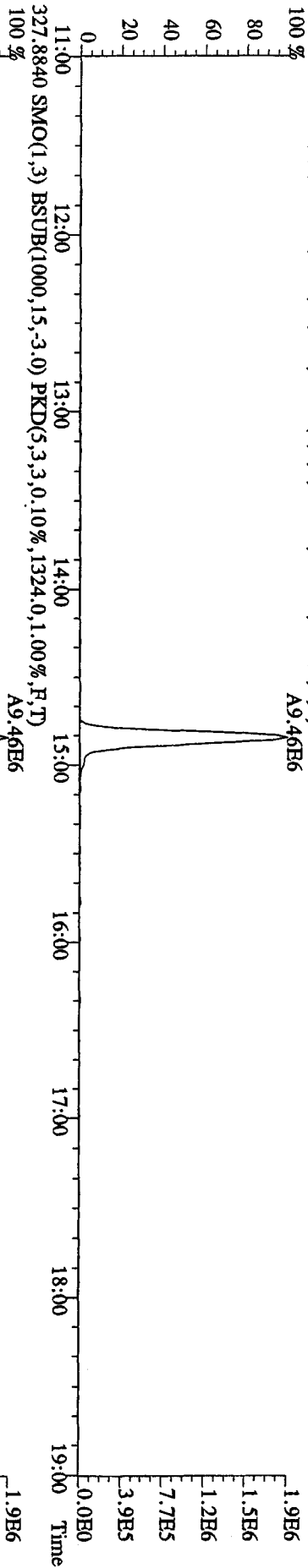
File:28AP105D2 #1-1242 Acq:28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0428 :CS3 10DXN111 Exp:DB225RES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T) A4.99E6



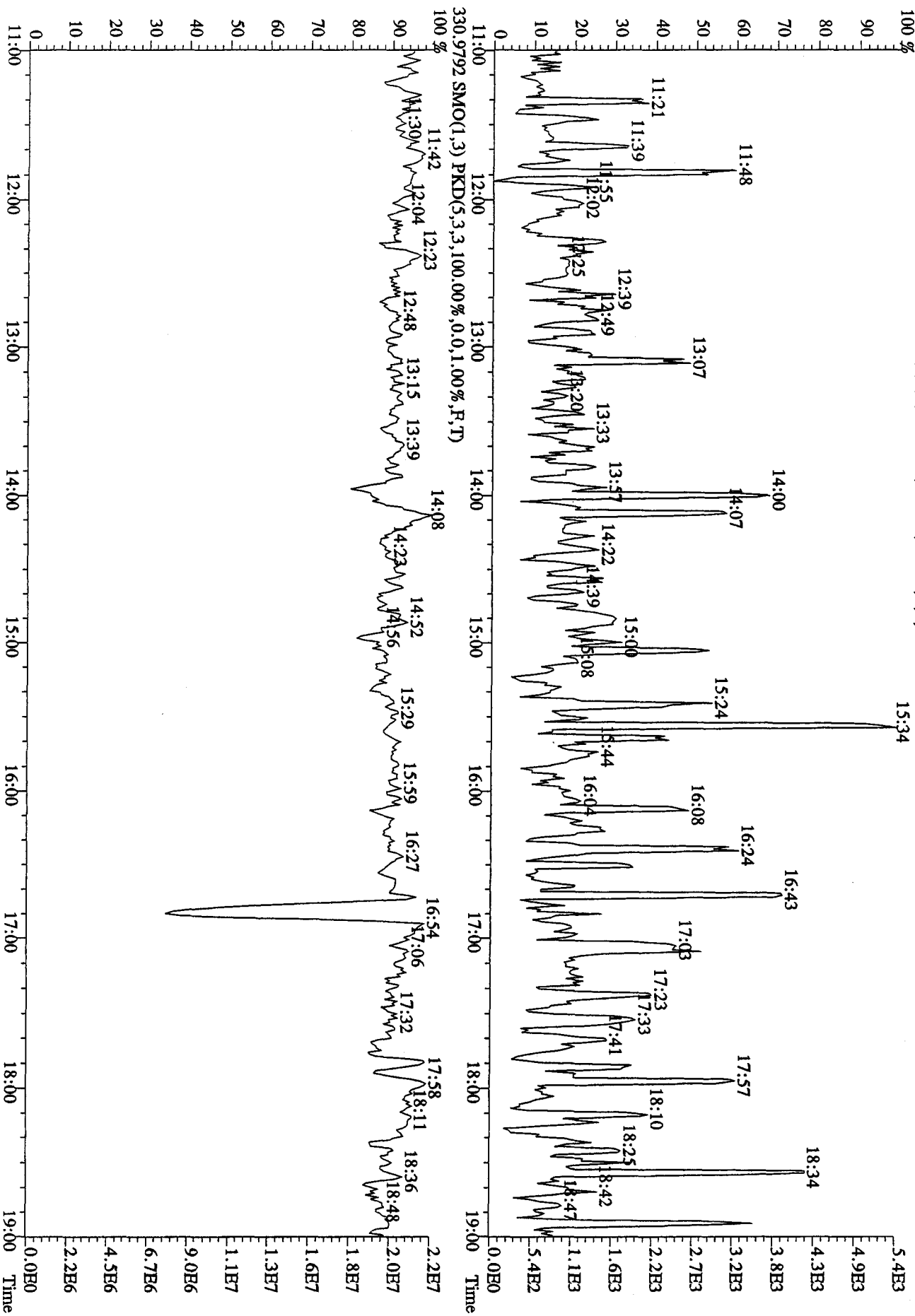
File:28AP105D2 #1-1242 Acq:28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0428 :CS3 10DXN111 Exp:DB225RES

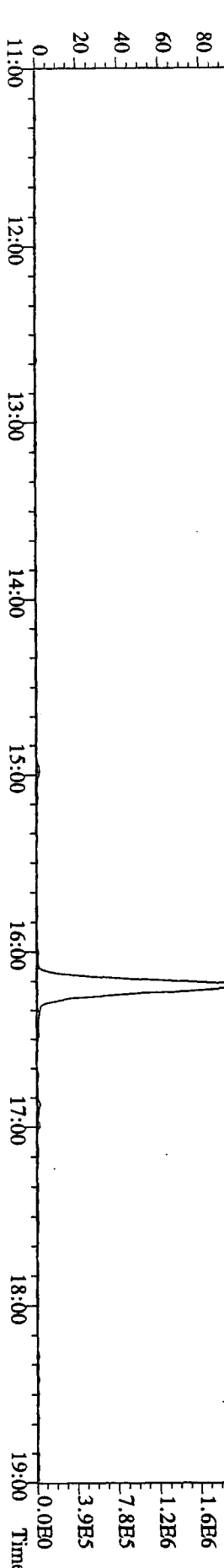
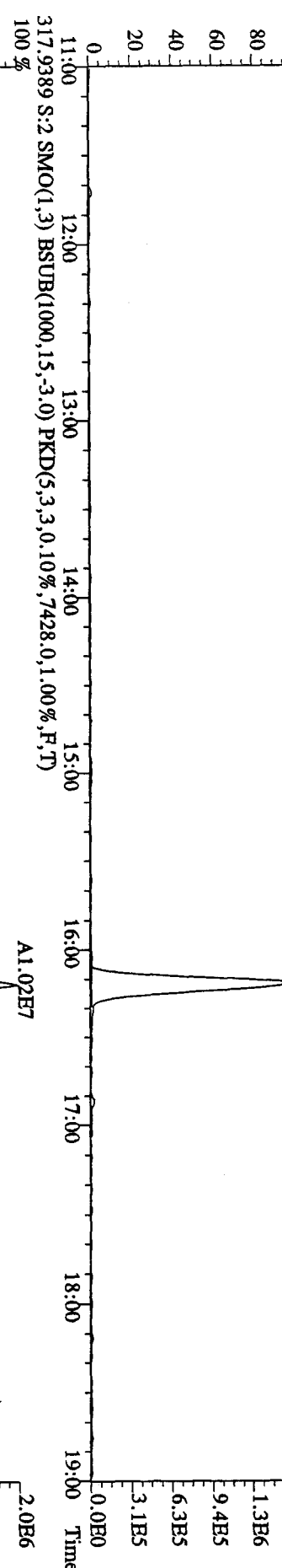
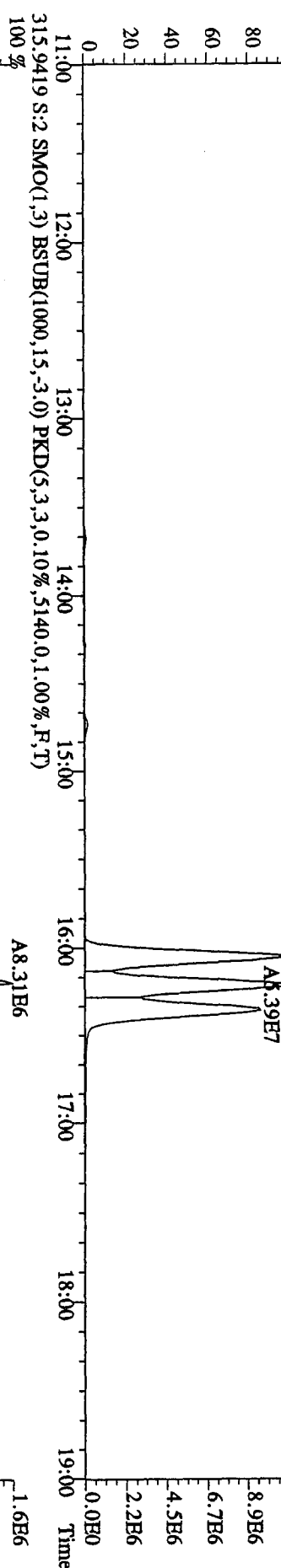
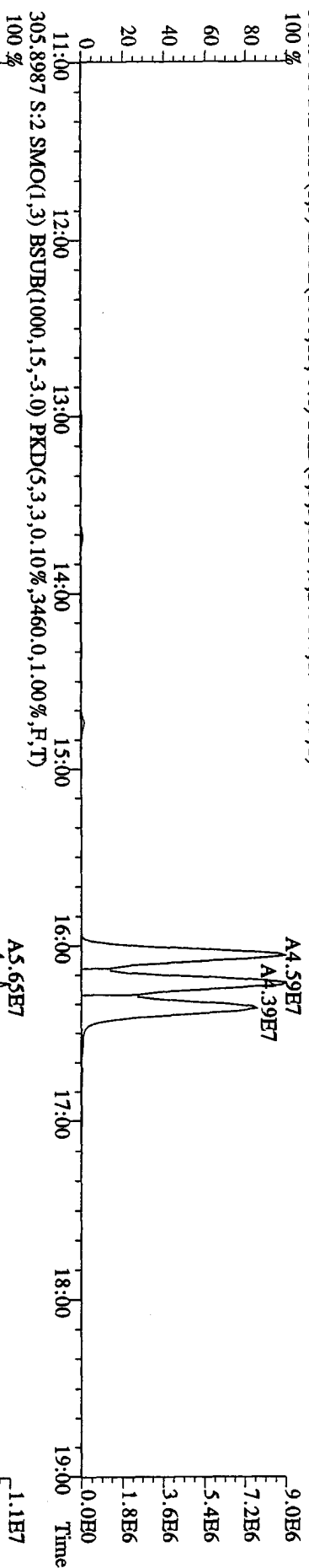
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324,0,1.00%,F,T) A9.46E6



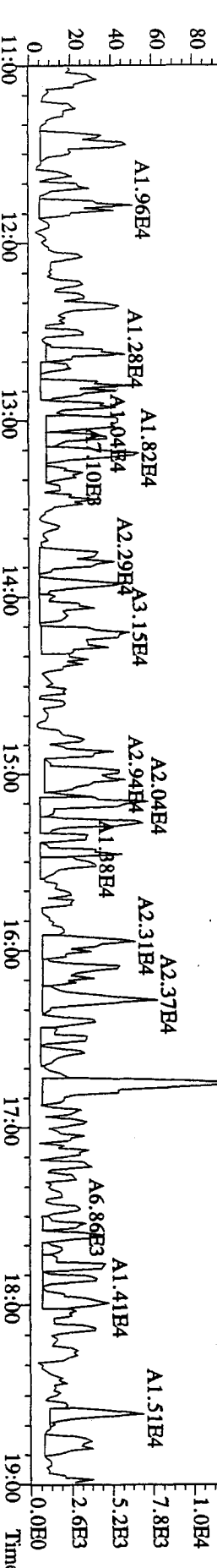
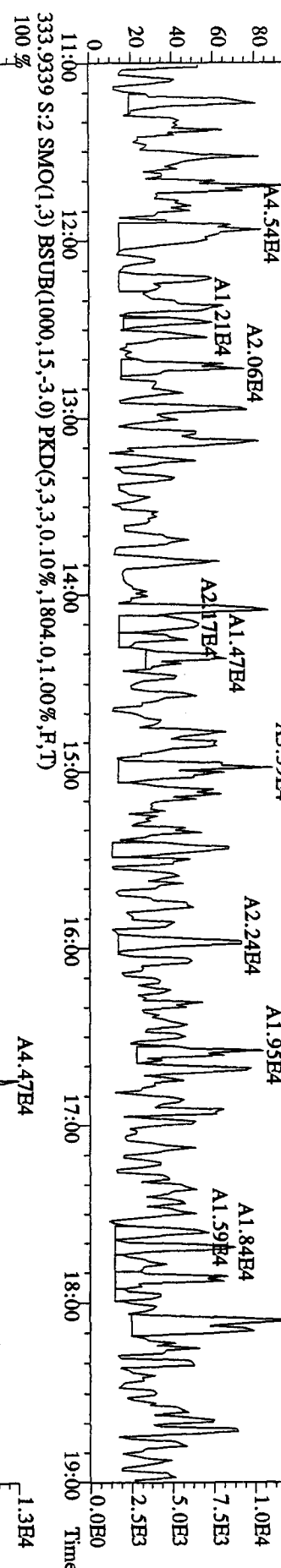
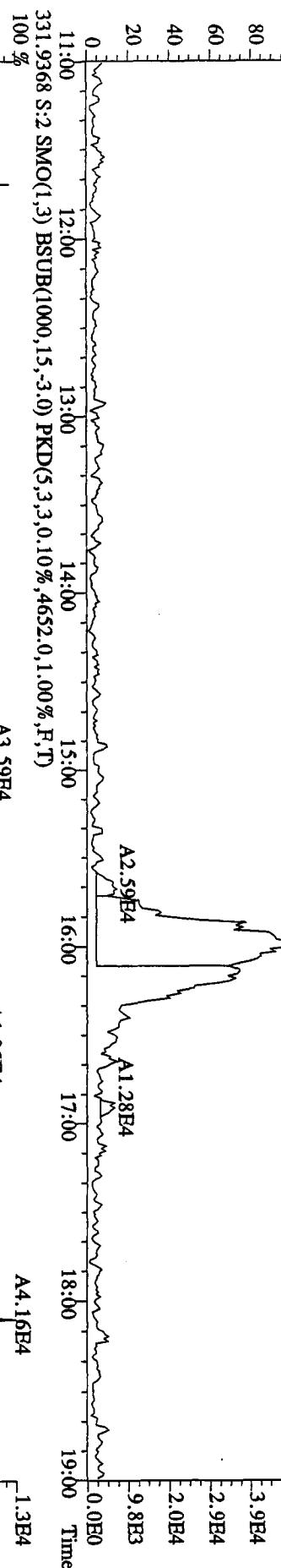
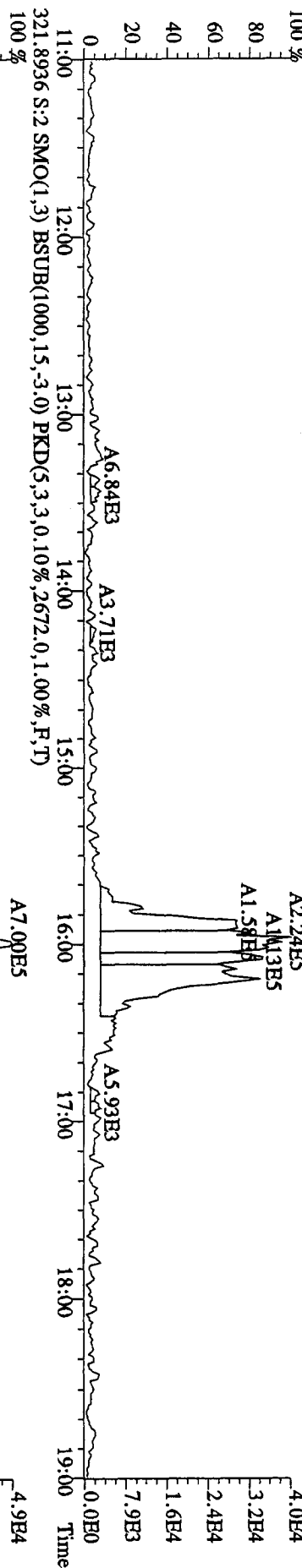
File: 28AP105D2 #1-1242 Acq: 28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE
 Sample#1 Text: ST0428 :CS3 10DXN111 Exp: DB225RHS
 375.8364 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,1136,0,1,1.00%,F,T)



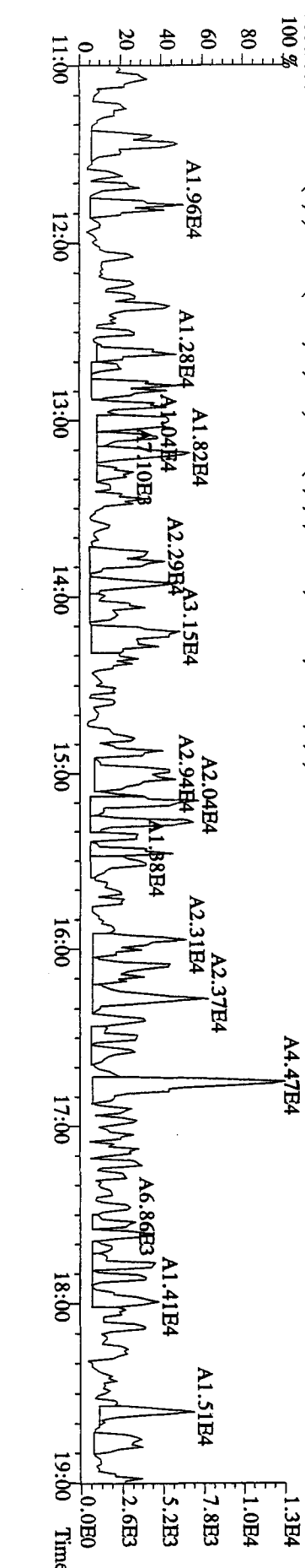
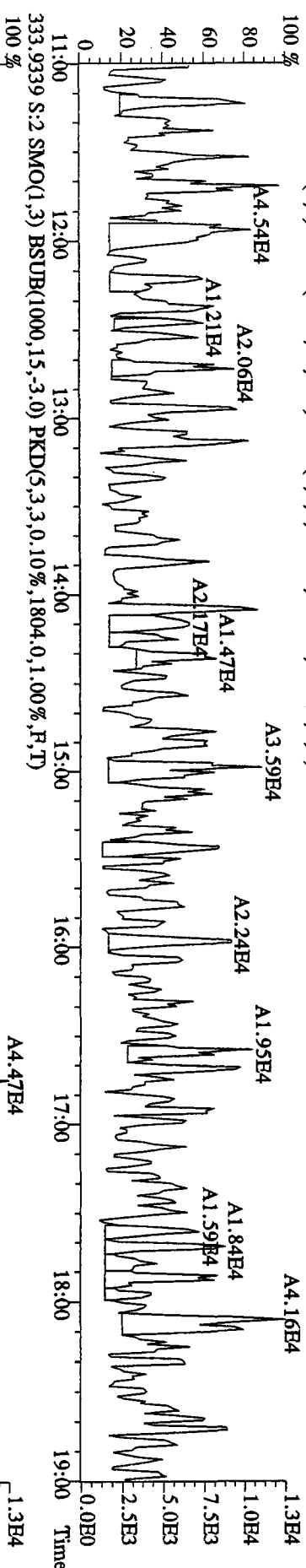
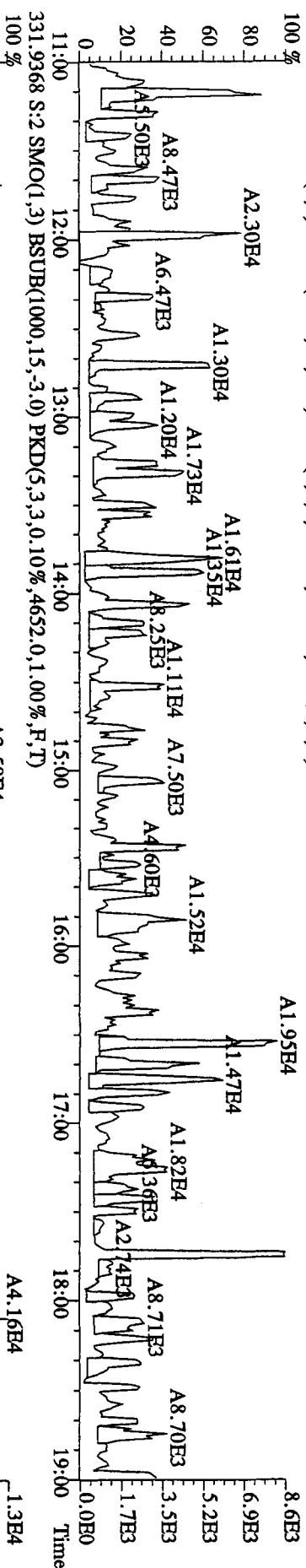
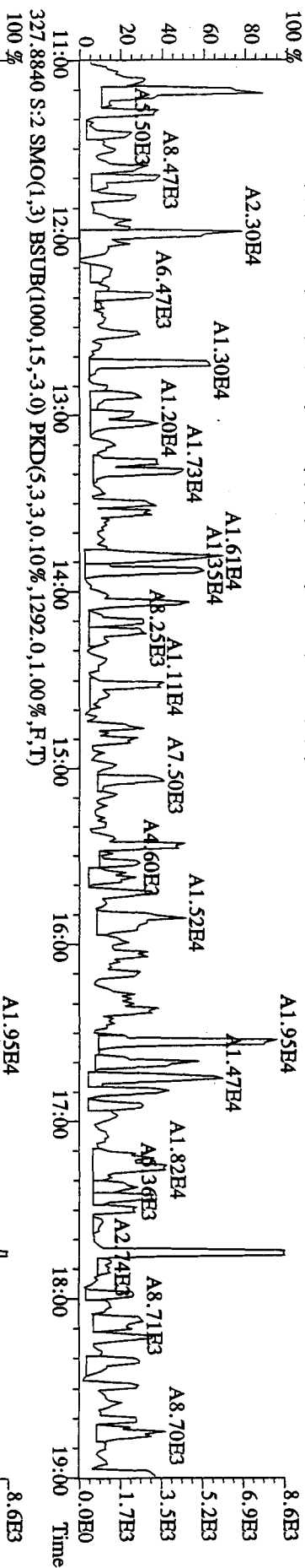
File:28AP105D2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0428 :DB-225 CP5M 3732-06 Exp:DB225RBS
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2796,0,1,00%,F,T)
 100 %



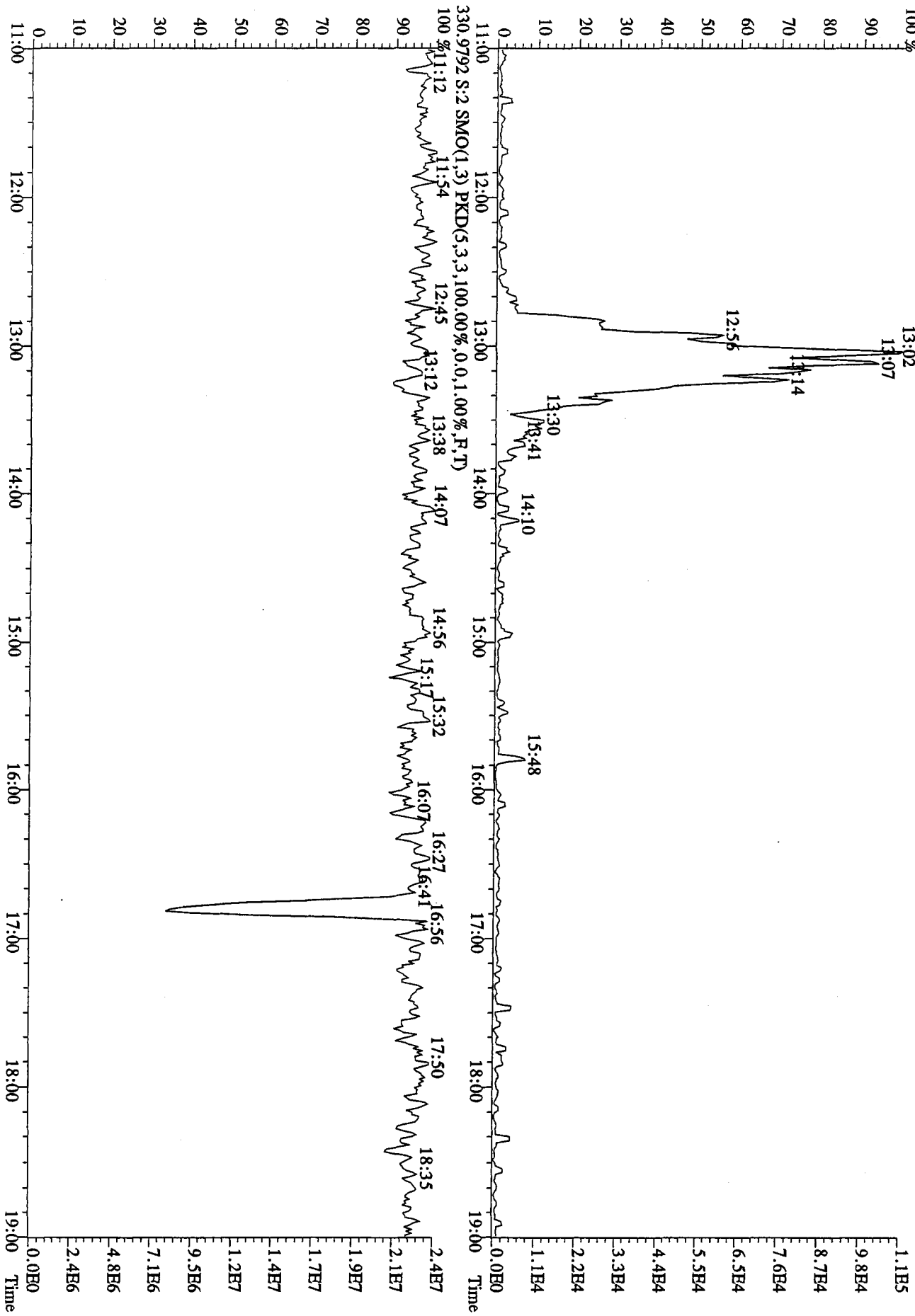
File:28AP105D2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI + Voltage SIR 70SE
 Sample#2 Text:CP0428 .DB-225 CP5M 3732-06 Exp:DB225RES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1664,0,1.00%,F,T)



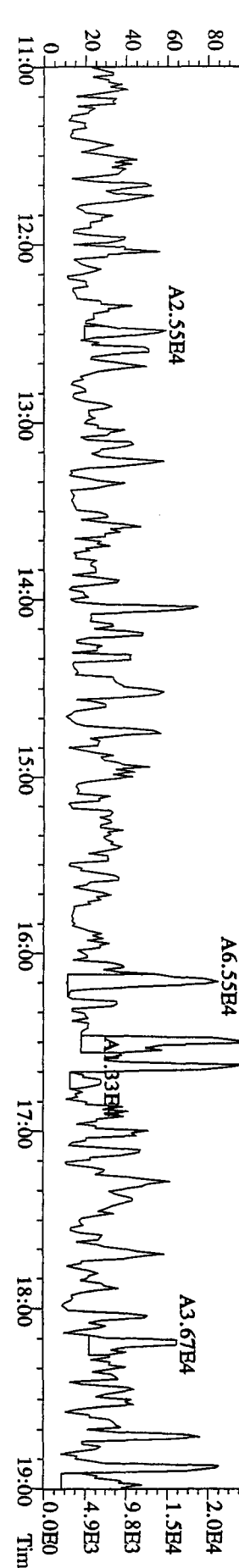
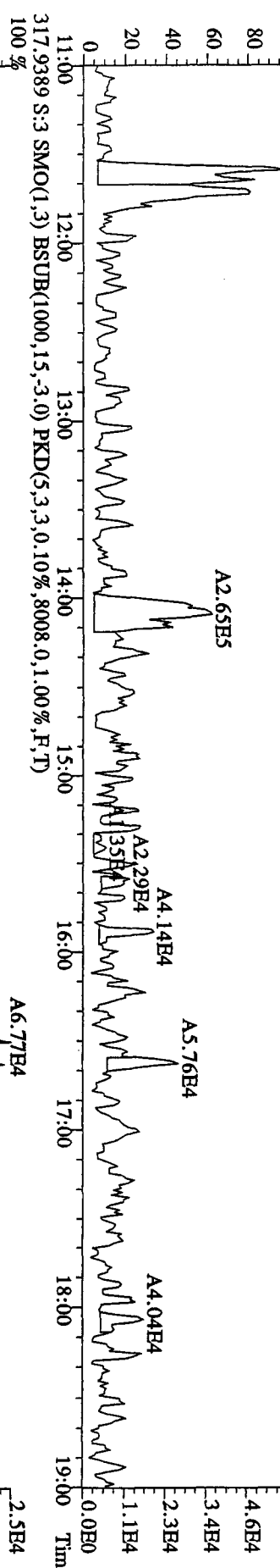
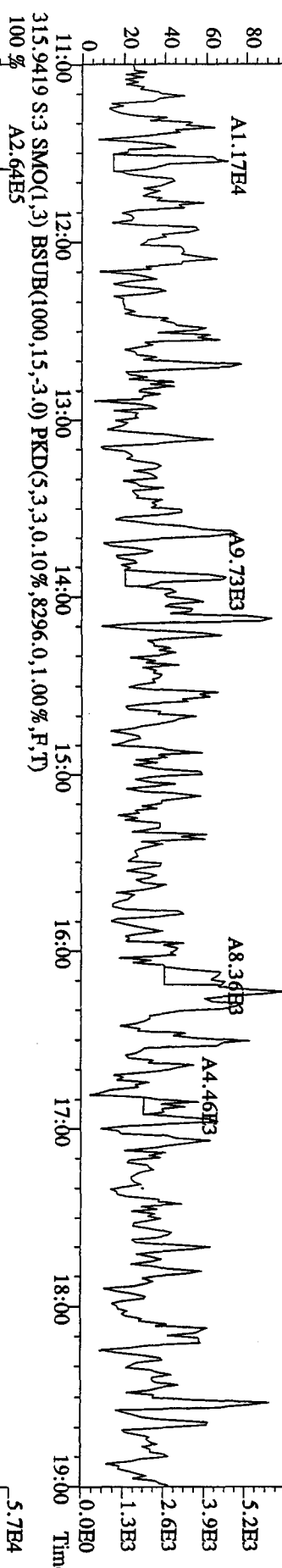
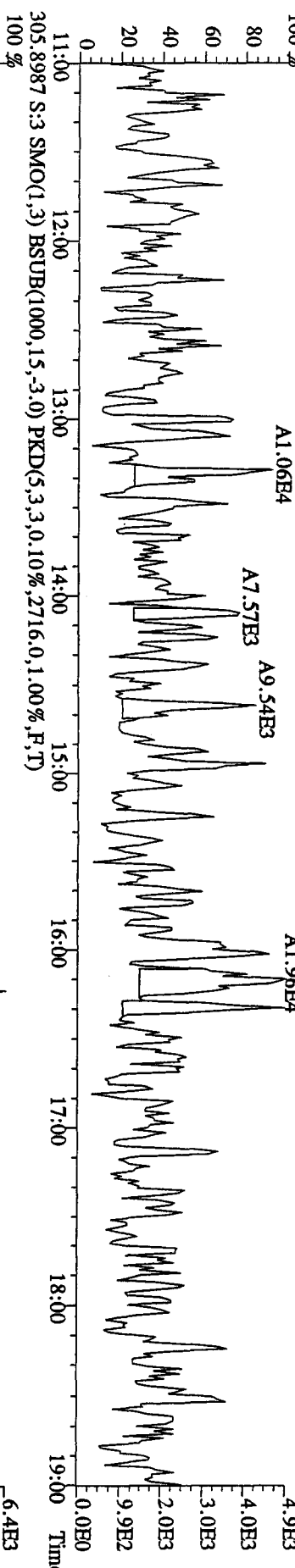
File:28AP10SD2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0428 :DB-225 CPSM 3732-06 Exp:DB225RES
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,1292.0,1.00%,F,T)
 100 %



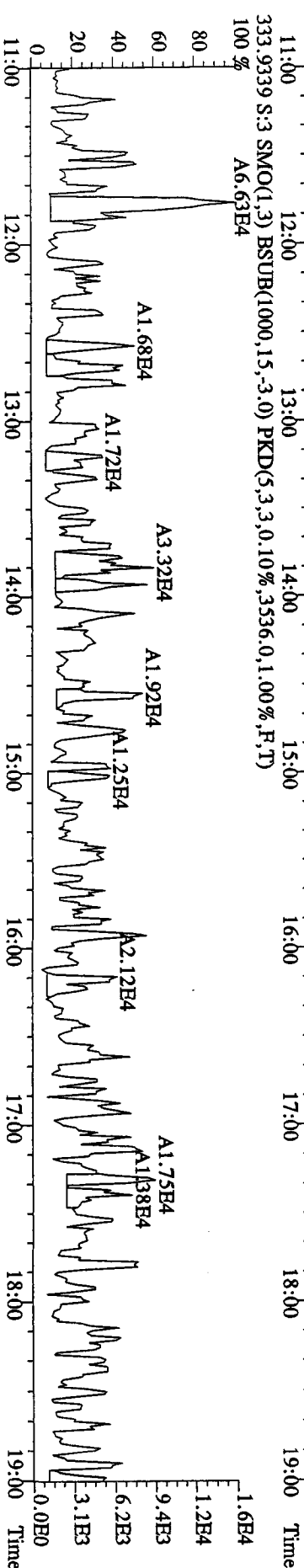
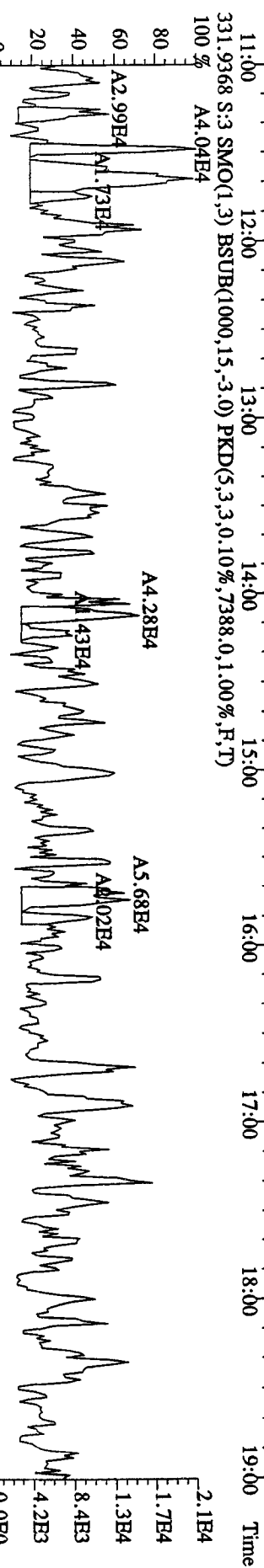
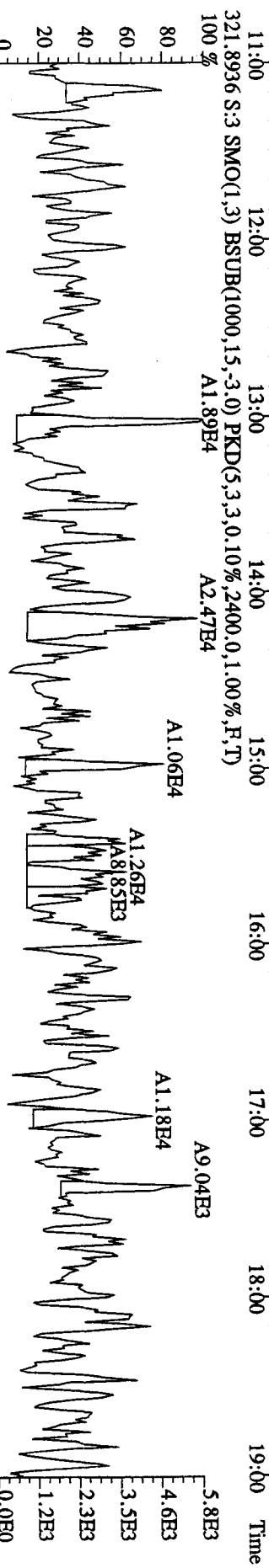
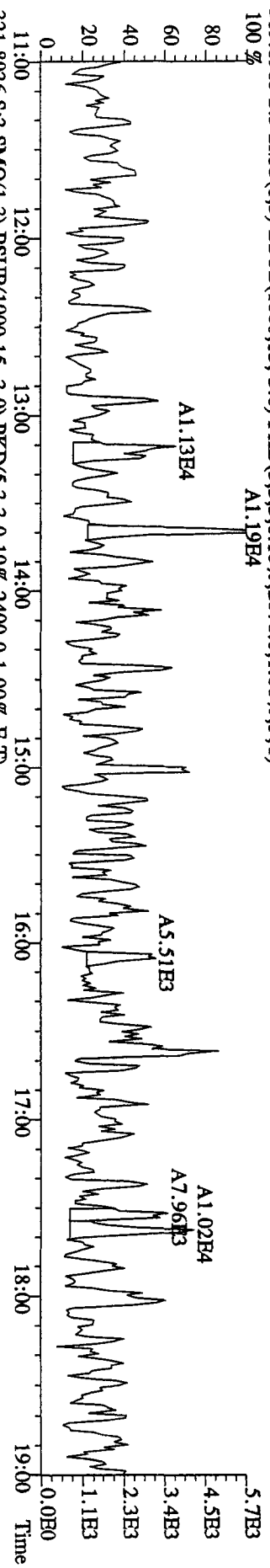
File: 28AP105D2 #1-1241 Acq: 28-APR-2010 10:10:16 GC HI+ Voltage SIR 70SE
 Sample#2 Text: CP0428 :DB-225 CFSM 3732-06 Exp: DB225RES
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1196,0,1.00%,F,T)



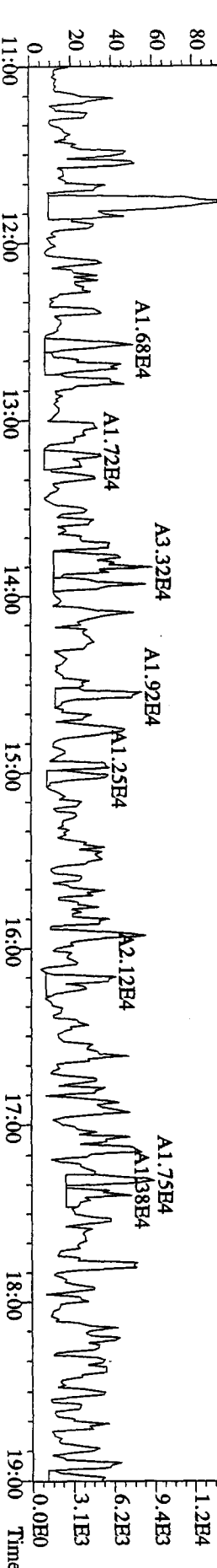
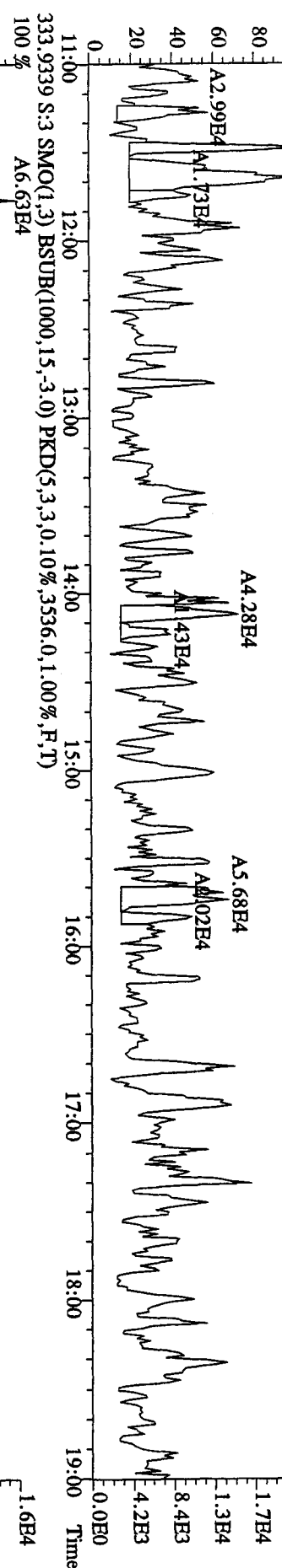
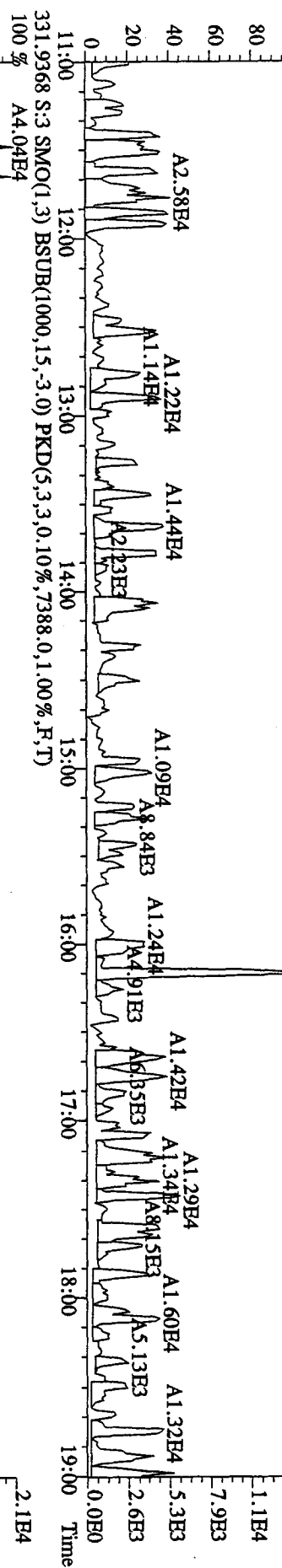
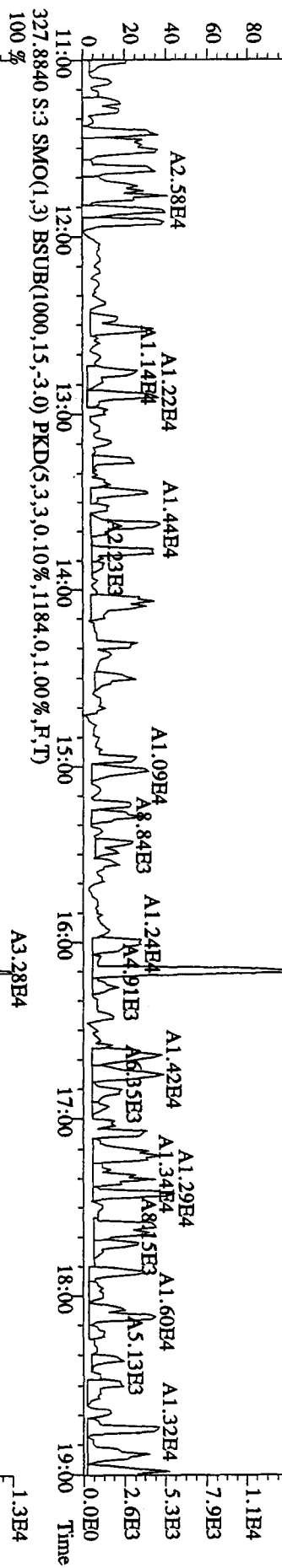
File:28AP105D2 #1-1242 Acq:28-APR-2010 10:47:19 GC.HI+ Voltage SIR 70SE
 Sample#3 Text:SB0428 :Solvent Blank C-14 Exp:DB225RES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2156,0,1.00%,F,T)



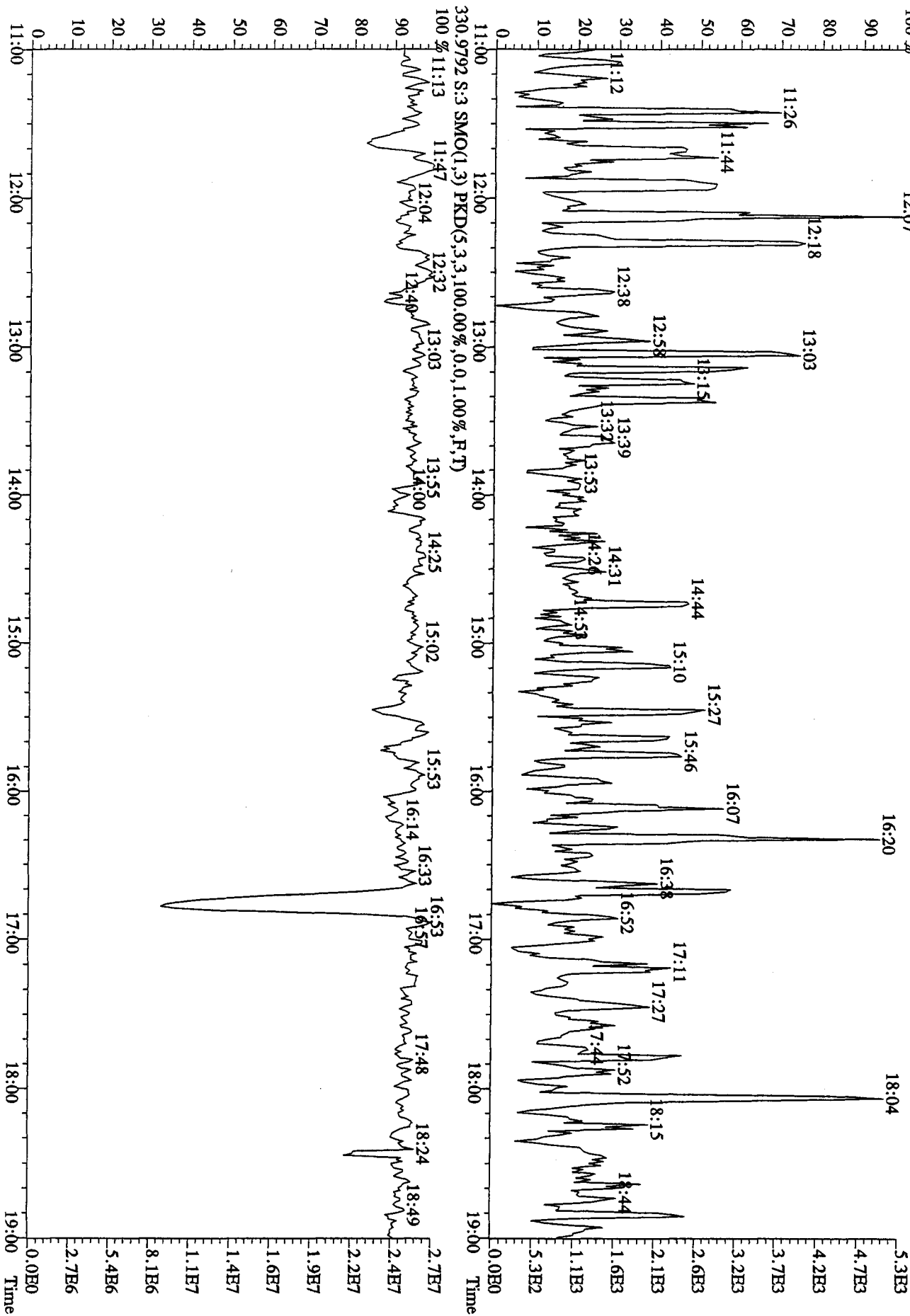
File: 28AP105D2 #1-1242 Acq: 28-APR-2010 10:47:19 GC EI+ Voltage SIR 70SE
 Sample#3 Text: SB0428 : Solvent Blank C-14 Exp: DB225RES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2076,0.1,00%,F,T)
 100% A1.19E4



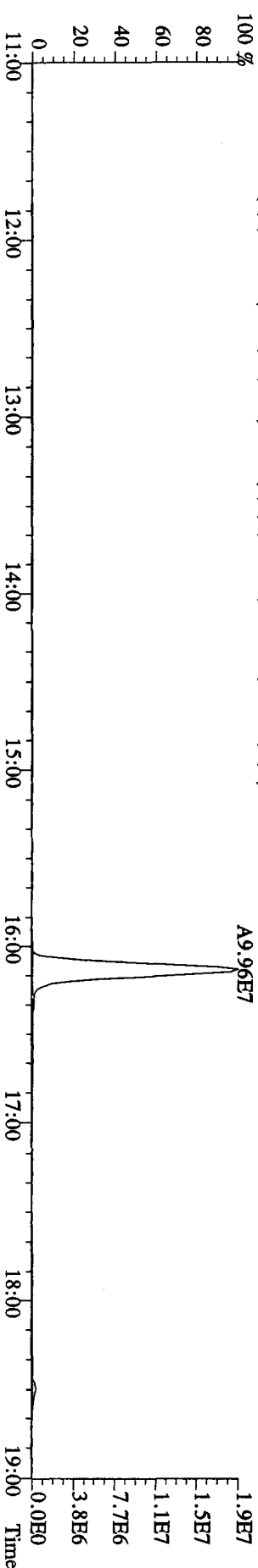
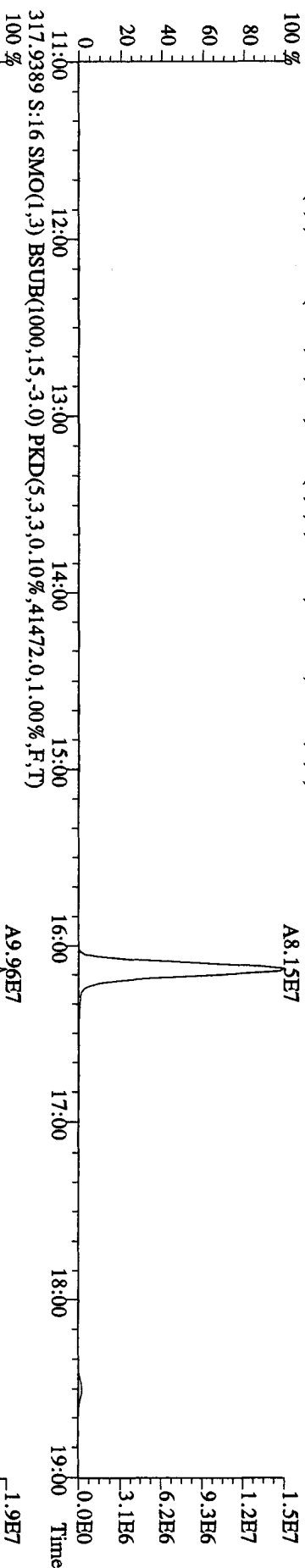
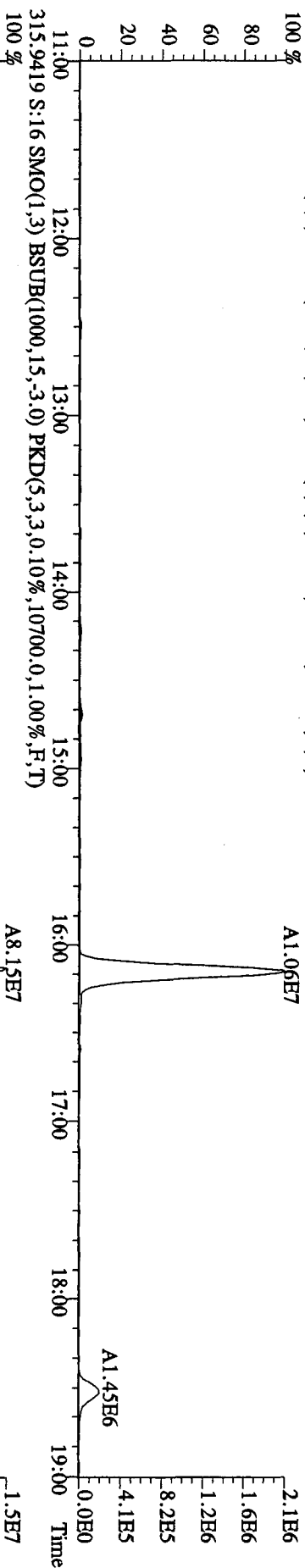
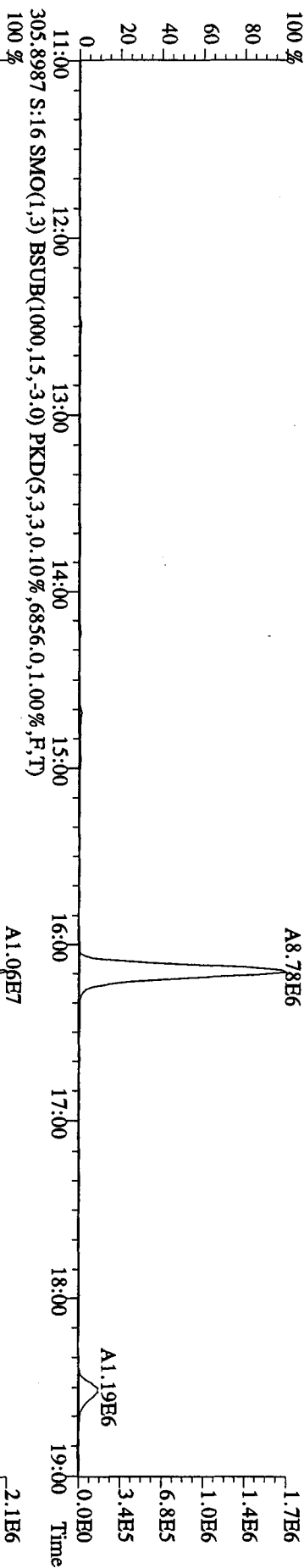
File:28AP105D2 #1-1242 Acq:28-APR-2010 10:47:19 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0428 :Solvent Blank C-14 Exp:DB225RES
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184,0,1.00%,F,T)
 100 %



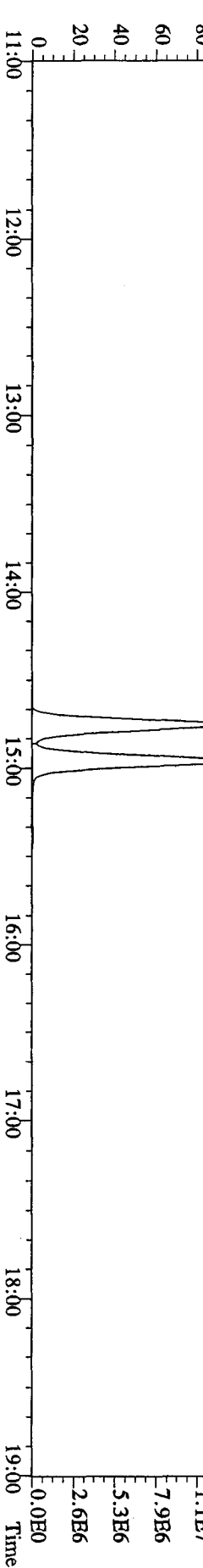
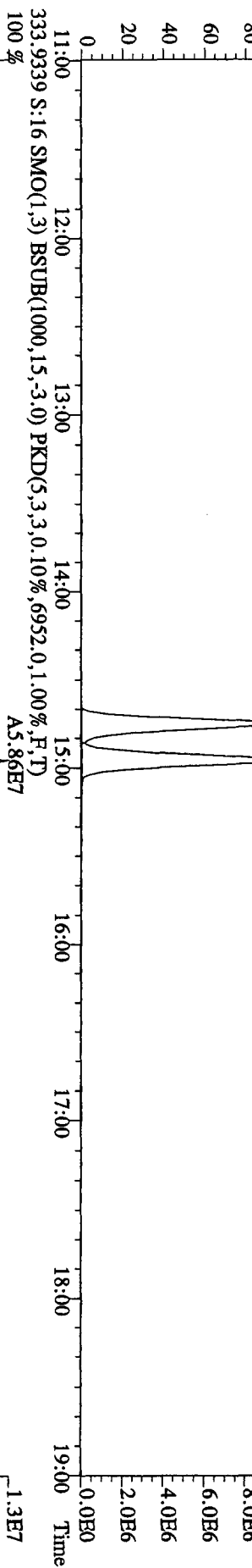
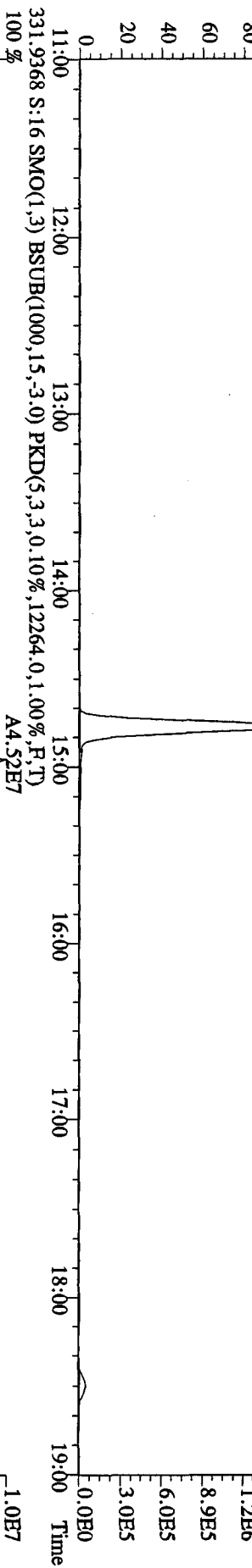
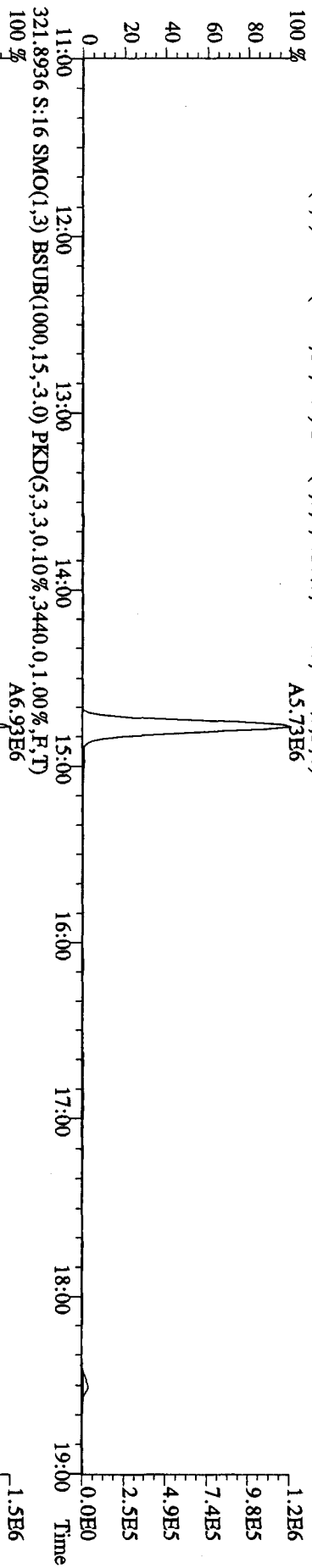
File:28AP10SD2 #1-1242 Acq:28-APR-2010 10:47:19 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0428 :Solvent Blank C-14 Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1292.0,1.00%,F,T)
 100%



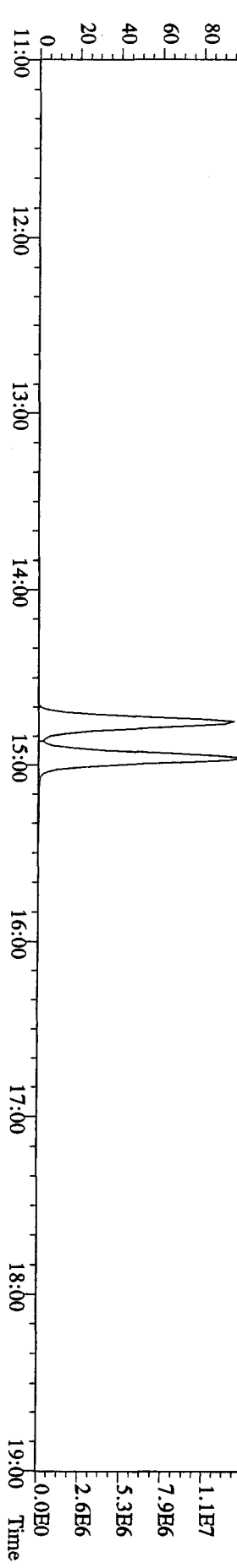
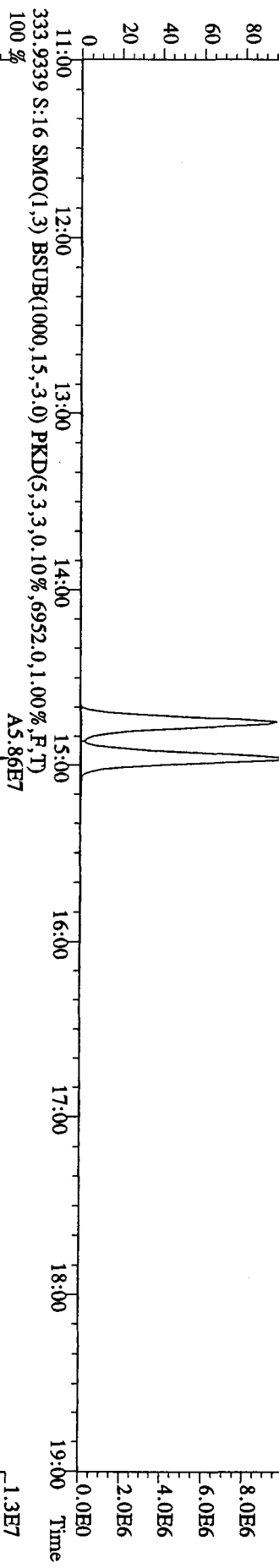
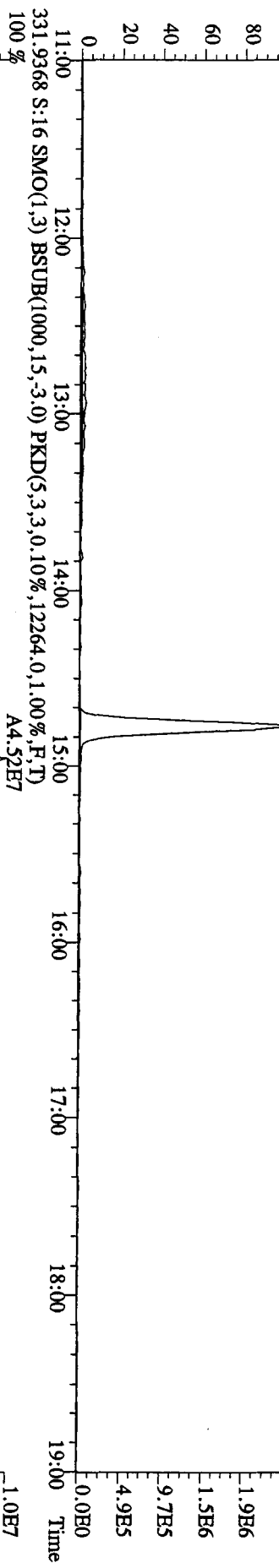
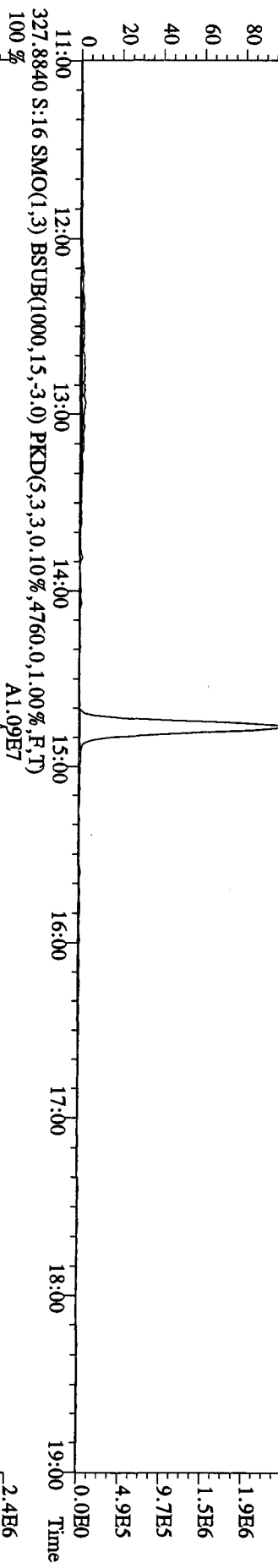
File:28AP105D2 #1-1242 Acq:28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
 Sample#16 Text:ST0428A :CS3 10DXN111 Exp:DB225RES
 303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6056.0,1.00%,F,T)
 100 %



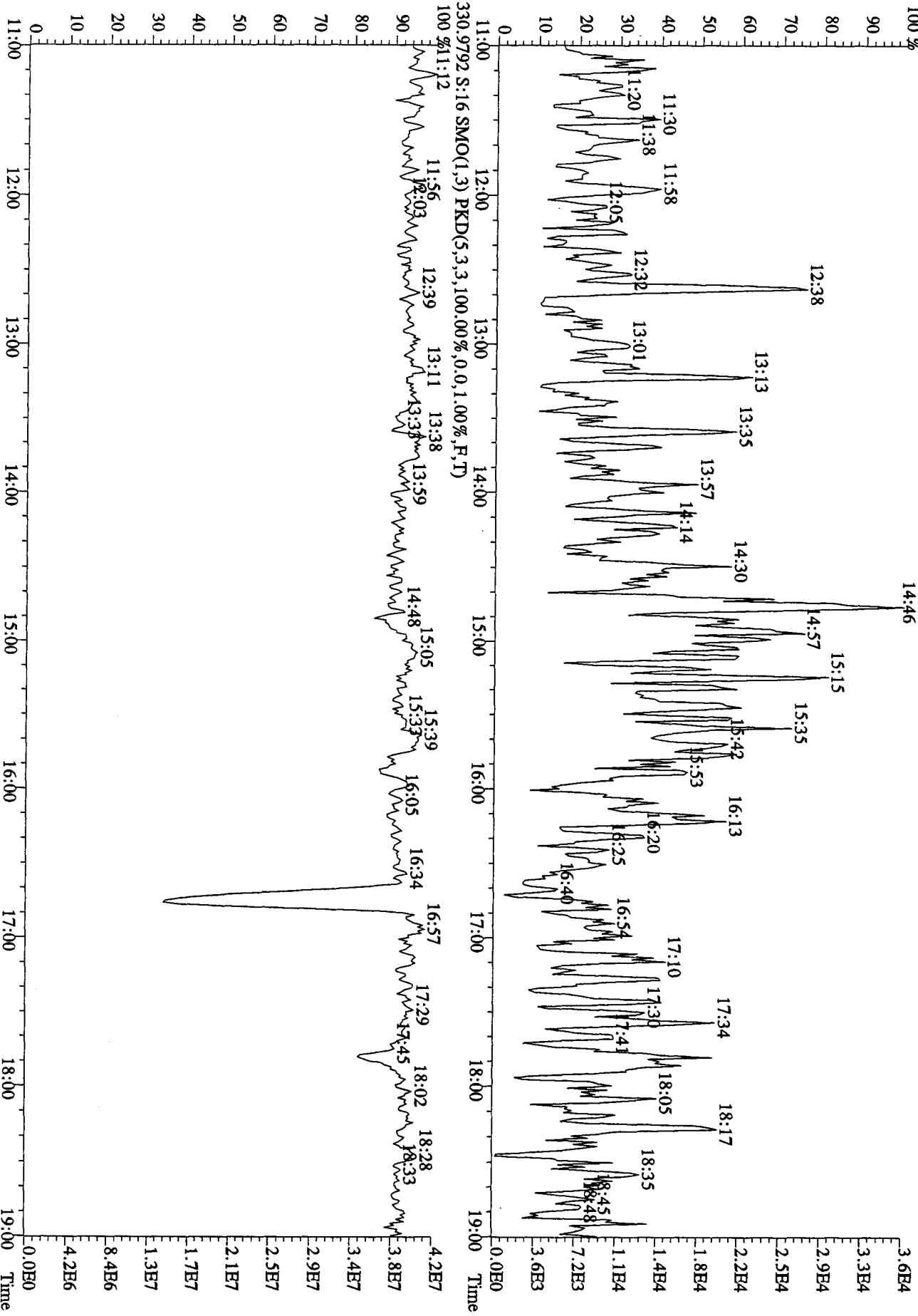
File:28AP105D2 #1-1242 Acq:28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
 Sample#16 Text:ST0428A :CS3 10DXN111 Exp:DB225RES
 319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3560.0,1.00%,F,T)
 100% A5.73E6



File:28AP105D2 #1-1242 Acq:28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
 Sample#16 Text:ST0428A :CS3 10DXN111 Exp:DB225RES
 327.8840 S:16 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4760,0,1.00%,F,T)
 100% A1.09E7



File: 28AP105D2 #1-1242 Acq: 28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
 Sample#16 Text: ST0428A :CS3 10DXN111 Exp: DB225RES
 375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,11788.0,1.00%,F,T)
 100%



Method ID 8290 A

Associated ICAL 8290A 041210405

Column ID DB5

Instrument ID 405

STD ID ST0430, ST0430A

STD Solution 10PXN083

Analyzed by KSS

Date Analyzed 04-30-10

Std. Pkg. By AS

Date Std. Pkg. Assembled 04-30-10

Std. Pkg. Reviewed By KSS

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?	✓	✓
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: ST0430 File text: ST0430 :CS3 10DXN083
 Run #7 Filename 30AP104D5 S: 2 I: 1
 Acquired: 30-APR-10 09:02:22 Processed: 30-APR-10 13:49:36
 Run: 30AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 30AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	100377700	0.79 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	144791600	0.78 y	18:54	1.44	100.00	-5.1	n
2,3,7,8-TCDF	12550640	0.76 y	18:55	0.87	10.00	-8.3	n
Total TCDF	12674657	1.03 n	16:14	0.87	10.00	-8.3	n
13C-2,3,7,8-TCDD	101055600	0.77 y	19:42	1.01	100.00	6.0	n
2,3,7,8-TCDD	9050940	0.80 y	19:43	0.90	10.00	-12.3	n
Total TCDD	9155211	0.64 n	17:14	0.90	10.00	-12.3	n
37Cl-2,3,7,8-TCDD	22831800	1.00 y	19:43	2.27	10.00	0.6	n
13C-1,2,3,7,8-PeCDF	91377000	1.55 y	24:34	0.91	100.00	-13.3	n
1,2,3,7,8-PeCDF	43534800	1.56 y	24:35	0.95	50.00	-8.8	n
2,3,4,7,8-PeCDF	42184500	1.51 y	26:05	0.92	50.00	-6.0	n
Total F2 PeCDF	87029980	3.97 n	23:02	0.94	100.00	-7.4	n
Total F1 PeCDF	55590	0.43 n	16:38	0.94	100.00	-7.4	n
13C-1,2,3,7,8-PeCDD	72758100	1.57 y	26:53	0.72	100.00	8.1	n
1,2,3,7,8-PeCDD	31085800	1.54 y	26:54	0.85	50.00	-13.0	n
Total PeCDD	31143060	1.54 y	26:54	0.85	50.00	-13.0	n
13C-1,2,3,7,8,9-HxCDD	70413500	1.31 y	33:06	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	66154800	0.51 y	31:55	0.94	100.00	-8.3	n
1,2,3,4,7,8-HxCDF	39353400	1.25 y	31:56	1.19	50.00	-1.9	n
1,2,3,6,7,8-HxCDF	42465400	1.17 y	32:03	1.28	50.00	-4.4	n
2,3,4,6,7,8-HxCDF	37174400	1.19 y	32:36	1.12	50.00	-8.1	n
1,2,3,7,8,9-HxCDF	33208000	1.22 y	33:16	1.00	50.00	-8.1	n
Total HxCDF	152246707	1.07 y	30:31	1.15	200.00	-5.5	n
13C-1,2,3,6,7,8-HxCDD	63830800	1.27 y	32:49	0.91	100.00	12.3	n
1,2,3,4,7,8-HxCDD	25906600	1.23 y	32:45	0.81	50.00	-19.4	n
1,2,3,6,7,8-HxCDD	33274500	1.26 y	32:50	1.04	50.00	-6.4	n
1,2,3,7,8,9-HxCDD	33557000	1.23 y	33:06	1.05	50.00	-13.0	n
Total HxCDD	92738100	1.23 y	32:45	0.97	150.00	-12.7	n
13C-1,2,3,4,6,7,8-HpCDF	50581500	0.43 y	34:36	0.72	100.00	-16.7	n
1,2,3,4,6,7,8-HpCDF	30836400	0.95 y	34:36	1.22	50.00	-6.9	n
1,2,3,4,7,8,9-HpCDF	25603400	0.95 y	35:44	1.01	50.00	-1.3	n
Total HpCDF	56439800	0.95 y	34:36	1.12	100.00	-4.4	n
13C-1,2,3,4,6,7,8-HpCDD	50743300	1.04 y	35:24	0.72	100.00	3.3	n
1,2,3,4,6,7,8-HpCDD	25276600	1.01 y	35:25	1.00	50.00	-7.1	n
Total HpCDD	25512044	1.04 y	34:51	1.00	50.00	-7.1	n
13C-OCDD	74318300	0.90 y	37:54	0.53	200.00	-0.7	n
OCDF	45304600	0.90 y	38:01	1.22	100.00	-15.6	n
OCDD	40780400	0.87 y	37:54	1.10	100.00	-5.9	n

Run text: ST0430A File text: ST0430A :CS3 10DXN083
 Run #16 Filename 30AP104D5 S: 11 I: 1
 Acquired: 30-APR-10 15:38:42 Processed: 30-APR-10 16:24:58
 Run: 30AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 30AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	100613024	0.77 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	141874168	0.77 y	18:55	1.41	100.00	-7.3	n
2,3,7,8-TCDF	11908566	0.77 y	18:57	0.84	10.00	-11.2	n
Total TCDF	12114090	0.92 n	17:04	0.84	10.00	-11.2	n
13C-2,3,7,8-TCDD	102401952	0.76 y	19:42	1.02	100.00	7.2	n
2,3,7,8-TCDD	8870420	0.75 y	19:43	0.87	10.00	-15.2	n
Total TCDD	8933988	0.74 y	15:45	0.87	10.00	-15.2	n
37Cl-2,3,7,8-TCDD	22879304	1.00 y	19:43	2.27	10.00	0.6	n
13C-1,2,3,7,8-PeCDF	95540580	1.57 y	24:34	0.95	100.00	-9.6	n
1,2,3,7,8-PeCDF	45227320	1.57 y	24:35	0.95	50.00	-9.4	n
2,3,4,7,8-PeCDF	44238066	1.57 y	26:05	0.93	50.00	-5.7	n
Total F2 PeCDF	90141920	2.74 n	23:03	0.94	100.00	-7.6	n
Total F1 PeCDF	3794	0.38 n	20:32	0.94	100.00	-7.6	n
13C-1,2,3,7,8-PeCDD	75335776	1.54 y	26:53	0.75	100.00	11.7	n
1,2,3,7,8-PeCDD	32738689	1.55 y	26:54	0.87	50.00	-11.5	n
Total PeCDD	32738689	1.55 y	26:54	0.87	50.00	-11.5	n
13C-1,2,3,7,8,9-HxCDD	77544520	1.26 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	70354144	0.50 y	31:55	0.91	100.00	-11.5	n
1,2,3,4,7,8-HxCDF	41768858	1.21 y	31:56	1.19	50.00	-2.1	n
1,2,3,6,7,8-HxCDF	44950154	1.21 y	32:03	1.28	50.00	-4.8	n
2,3,4,6,7,8-HxCDF	41162168	1.21 y	32:37	1.17	50.00	-4.3	n
1,2,3,7,8,9-HxCDF	37404922	1.23 y	33:16	1.06	50.00	-2.7	n
Total HxCDF	165384224	1.27 y	30:47	1.17	200.00	-3.5	n
13C-1,2,3,6,7,8-HxCDD	66001136	1.27 y	32:49	0.85	100.00	5.5	n
1,2,3,4,7,8-HxCDD	27217300	1.26 y	32:45	0.82	50.00	-18.1	y ✓
1,2,3,6,7,8-HxCDD	38104300	1.27 y	32:50	1.15	50.00	3.7	y ✓
1,2,3,7,8,9-HxCDD	36745600	1.26 y	33:06	1.11	50.00	-7.9	n
Total HxCDD	102423852	1.26 y	32:45	1.03	150.00	-7.1	y
13C-1,2,3,4,6,7,8-HpCDF	57939690	0.42 y	34:35	0.75	100.00	-13.4	n
1,2,3,4,6,7,8-HpCDF	34628356	0.94 y	34:36	1.20	50.00	-8.7	n
1,2,3,4,7,8,9-HpCDF	29153872	0.93 y	35:44	1.01	50.00	-1.9	n
Total HpCDF	64134844	0.94 y	34:36	1.10	100.00	-5.7	n
13C-1,2,3,4,6,7,8-HpCDD	59527698	1.05 y	35:24	0.77	100.00	10.1	n
1,2,3,4,6,7,8-HpCDD	29188147	1.02 y	35:24	0.98	50.00	-8.5	n
Total HpCDD	29451561	0.96 y	34:19	0.98	50.00	-8.5	n
13C-OCDD	91023004	0.90 y	37:54	0.59	200.00	10.4	n
OCDF	56620906	0.91 y	38:01	1.24	100.00	-13.9	n
OCDD	50171230	0.89 y	37:55	1.10	100.00	-5.5	n

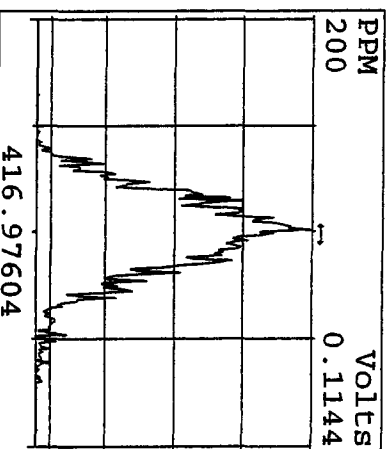
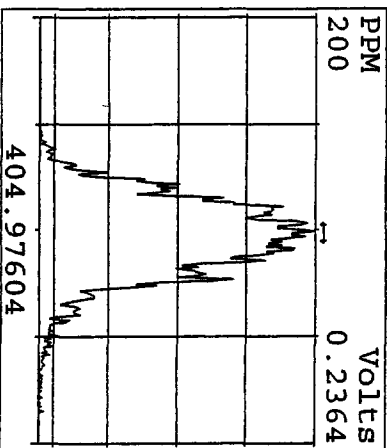
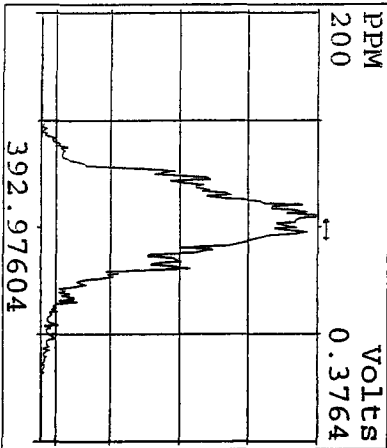
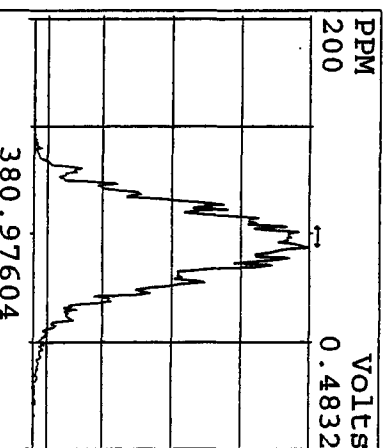
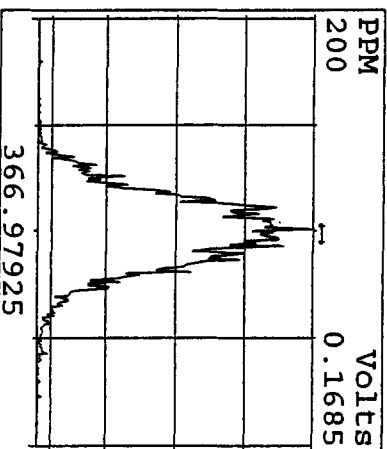
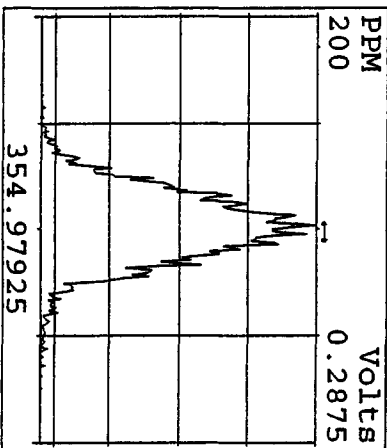
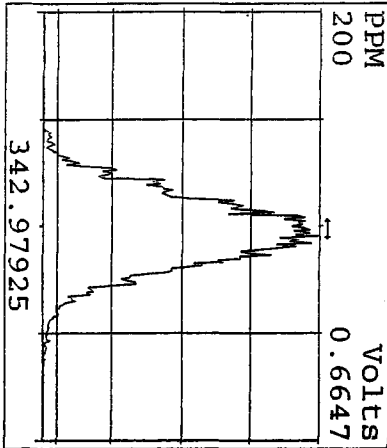
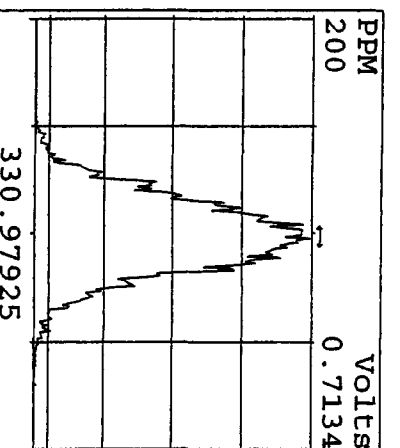
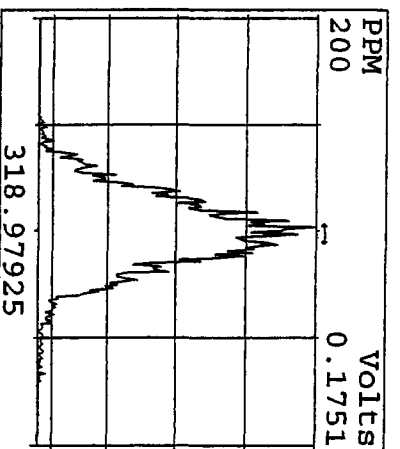
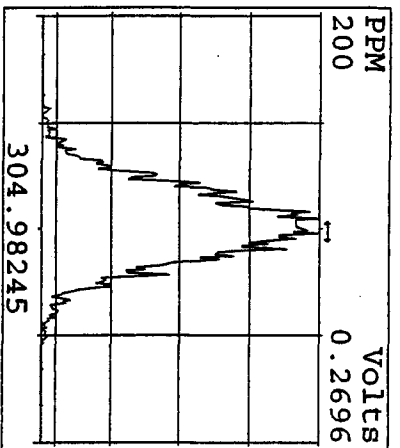
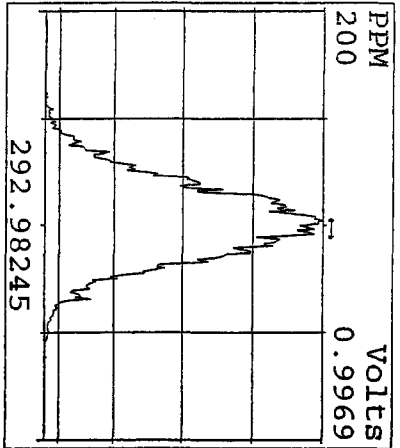
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 Run #16 Filename 30AP104D5 S: 11 I: 1
 Acquired: 30-APR-10 15:38:42 Processed: 30-APR-10 16:24:58
 Run: 30AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 30AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	100613024	0.77 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	141874168	0.77 y	18:55	1.41	100.00	-7.3	n
2,3,7,8-TCDF	11908566	0.77 y	18:57	0.84	10.00	-11.2	n
Total TCDF	12114090	0.92 n	17:04	0.84	10.00	-11.2	n
13C-2,3,7,8-TCDD	102401952	0.76 y	19:42	1.02	100.00	7.2	n
2,3,7,8-TCDD	8870420	0.75 y	19:43	0.87	10.00	-15.2	n
Total TCDD	8933988	0.74 y	15:45	0.87	10.00	-15.2	n
37C1-2,3,7,8-TCDD	22879304	1.00 y	19:43	2.27	10.00	0.6	n
13C-1,2,3,7,8-PeCDF	95540580	1.57 y	24:34	0.95	100.00	-9.6	n
1,2,3,7,8-PeCDF	45227320	1.57 y	24:35	0.95	50.00	-9.4	n
2,3,4,7,8-PeCDF	44238066	1.57 y	26:05	0.93	50.00	-5.7	n
Total F2 PeCDF	90141920	2.74 n	23:03	0.94	100.00	-7.6	n
Total F1 PeCDF	3794	0.38 n	20:32	0.94	100.00	-7.6	n
13C-1,2,3,7,8-PeCDD	75335776	1.54 y	26:53	0.75	100.00	11.7	n
1,2,3,7,8-PeCDD	32738689	1.55 y	26:54	0.87	50.00	-11.5	n
Total PeCDD	32738689	1.55 y	26:54	0.87	50.00	-11.5	n
13C-1,2,3,7,8,9-HxCDD	77544520	1.26 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	70354144	0.50 y	31:55	0.91	100.00	-11.5	n
1,2,3,4,7,8-HxCDF	41768858	1.21 y	31:56	1.19	50.00	-2.1	n
1,2,3,6,7,8-HxCDF	44950154	1.21 y	32:03	1.28	50.00	-4.8	n
2,3,4,6,7,8-HxCDF	41162168	1.21 y	32:37	1.17	50.00	-4.3	n
1,2,3,7,8,9-HxCDF	37404922	1.23 y	33:16	1.06	50.00	-2.7	n
Total HxCDF	165384224	1.27 y	30:47	1.17	200.00	-3.5	n
13C-1,2,3,6,7,8-HxCDD	66001136	1.27 y	32:49	0.85	100.00	5.5	n
1,2,3,4,7,8-HxCDD	27020939	1.43 n	32:45	0.82	50.00	-18.7	n
1,2,3,6,7,8-HxCDD	36020823	1.15 y	32:50	1.09	50.00	-2.0	n
1,2,3,7,8,9-HxCDD	36745540	1.26 y	33:06	1.11	50.00	-7.9	n
Total HxCDD	100143948	1.43 n	32:45	1.01	150.00	-9.2	n
13C-1,2,3,4,6,7,8-HpCDF	57939690	0.42 y	34:35	0.75	100.00	-13.4	n
1,2,3,4,6,7,8-HpCDF	34628356	0.94 y	34:36	1.20	50.00	-8.7	n
1,2,3,4,7,8,9-HpCDF	29153872	0.93 y	35:44	1.01	50.00	-1.9	n
Total HpCDF	64134844	0.94 y	34:36	1.10	100.00	-5.7	n
13C-1,2,3,4,6,7,8-HpCDD	59527698	1.05 y	35:24	0.77	100.00	10.1	n
1,2,3,4,6,7,8-HpCDD	29188147	1.02 y	35:24	0.98	50.00	-8.5	n
Total HpCDD	29451561	0.96 y	34:19	0.98	50.00	-8.5	n
13C-OCDD	91023004	0.90 y	37:54	0.59	200.00	10.4	n
OCDF	56620906	0.91 y	38:01	1.24	100.00	-13.9	n
OCDD	50171230	0.89 y	37:55	1.10	100.00	-5.5	n

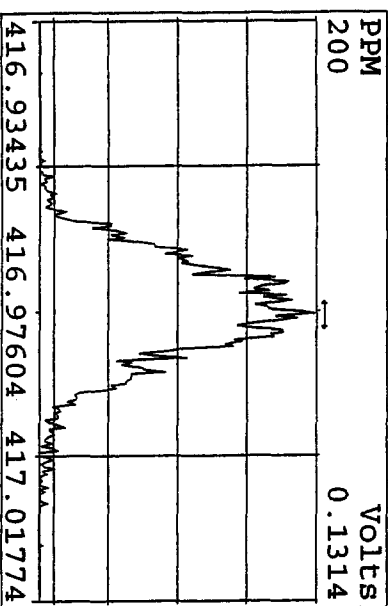
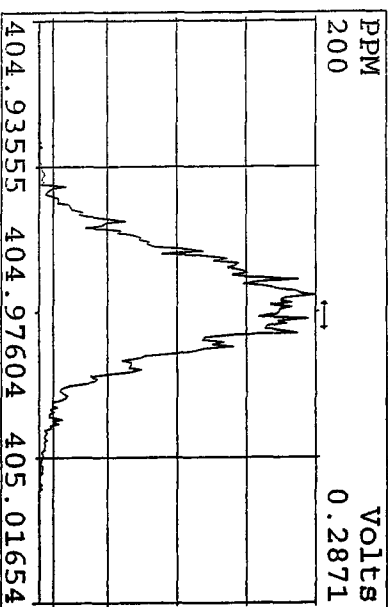
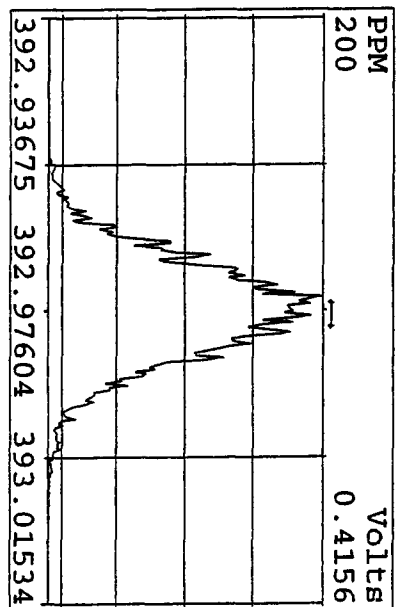
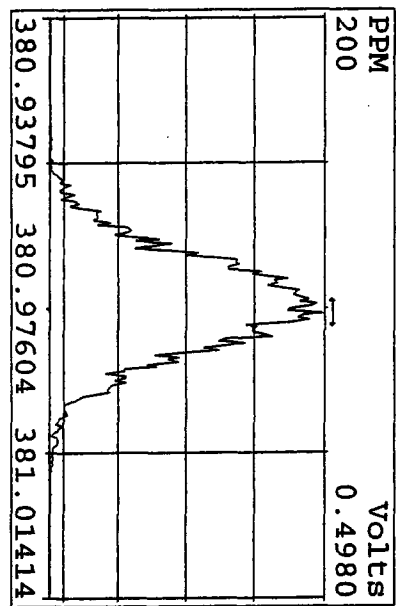
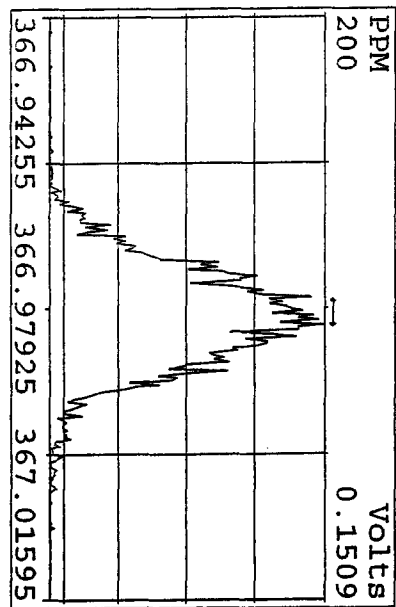
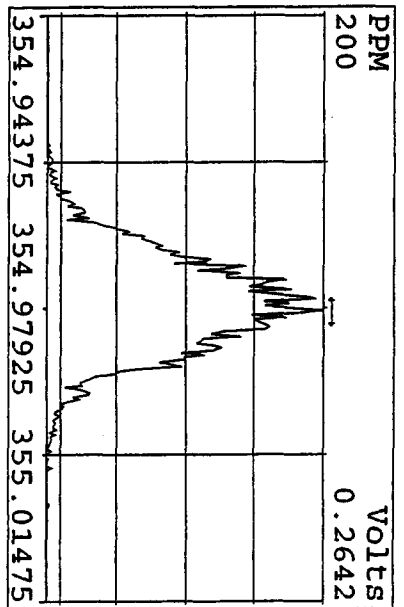
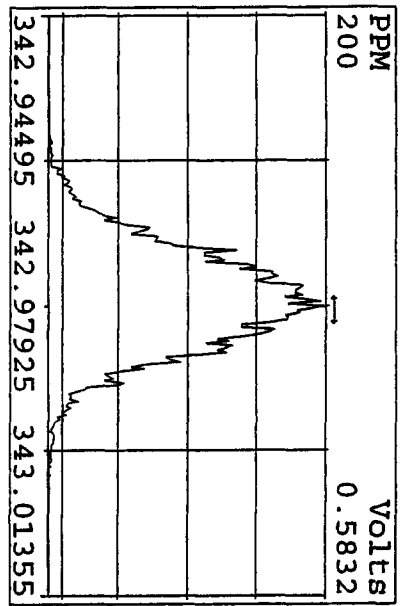
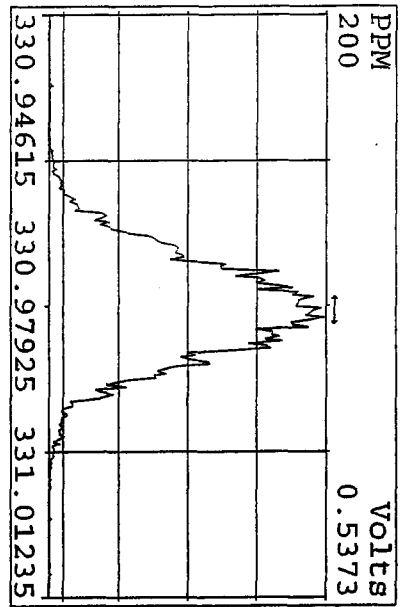
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30AP104D5	3	SB0430	Solvent Blank C-14				1.00000	
30AP104D5	4	L0KRE-1-AC	G0D270451-1	20	8290/SOLID	84	10.22000	g
30AP104D5	5	L0KRE-1-AF	G0D270451-1S	20	8290/SOLID		10.68000	g
30AP104D5	6	L0KRE-1-AG	G0D270451-1D	20	8290/SOLID		10.30000	g
30AP104D5	7	LXTAR-1-AC	G0D100464-1 [20X]	10	8290/SOLID	73	10.18000	g
30AP104D5	8	LXTAR-1-AD	G0D100464-1S [20X]	10	8290/SOLID		10.10000	g
30AP104D5	9	LXTAR-1-AE	G0D100464-1D [20X]	10	8290/SOLID		10.05000	g
30AP104D5	10	SB0430A	Solvent Blank C-14				1.00000	
30AP104D5	11	ST0430A	CS3 10DXN083				1.00000	
30AP104D5	12						1.00000	
30AP104D5	13						1.00000	
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Logfile v'd
4/30/10
KSS

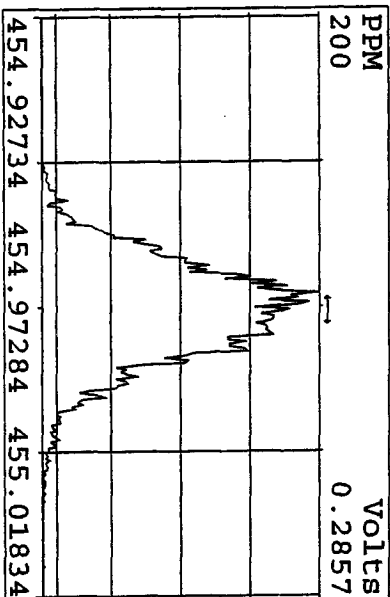
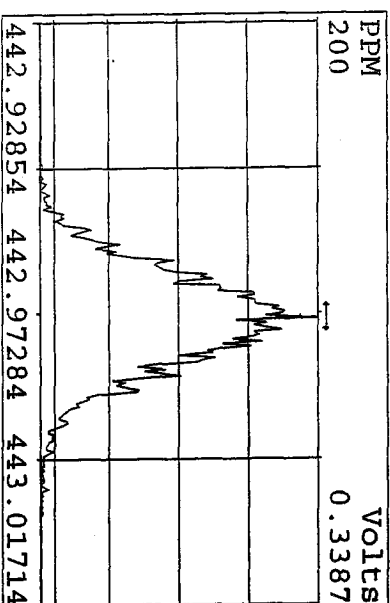
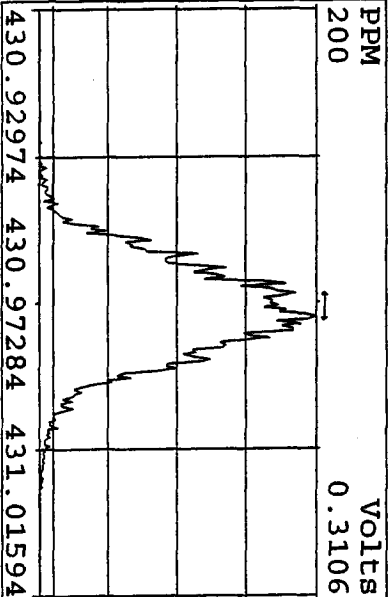
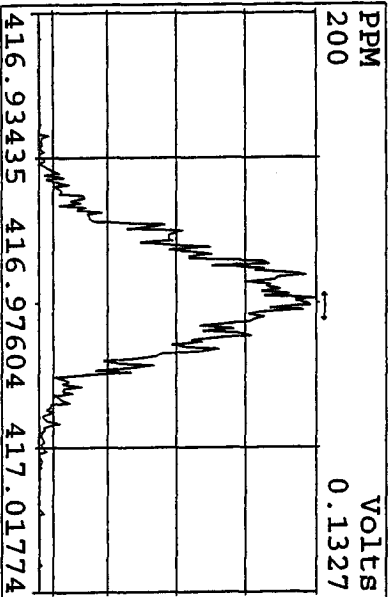
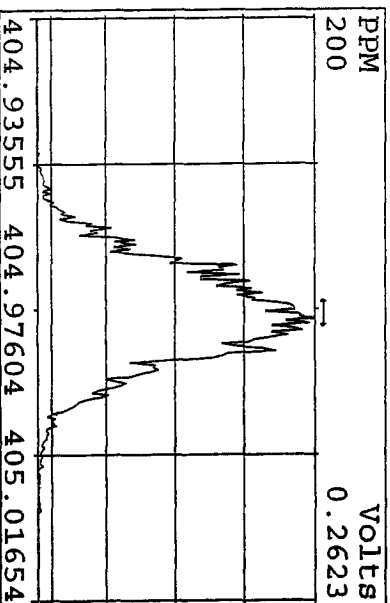
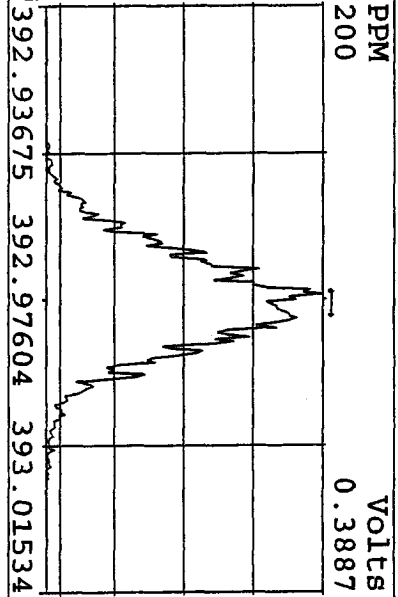
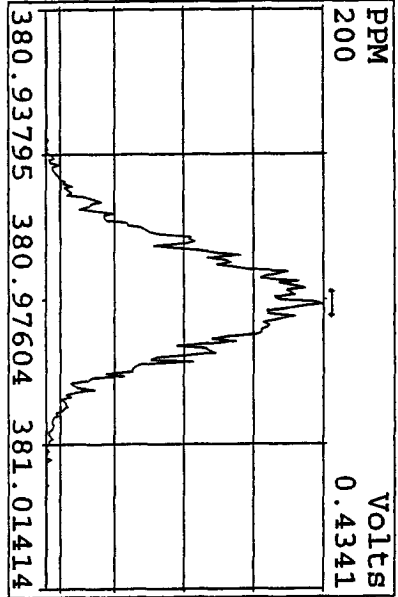
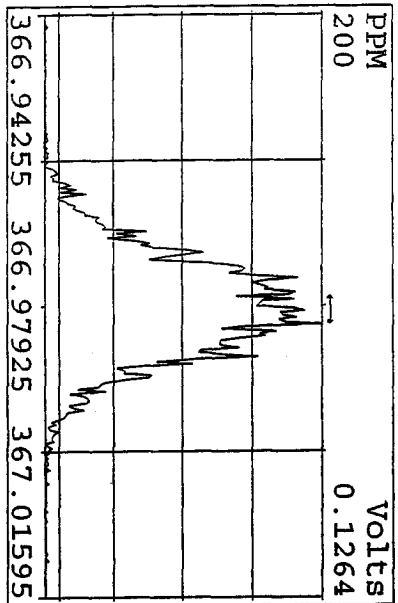
Peak Locate Examination: 30-APR-2010:08:14 File: 30API04D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



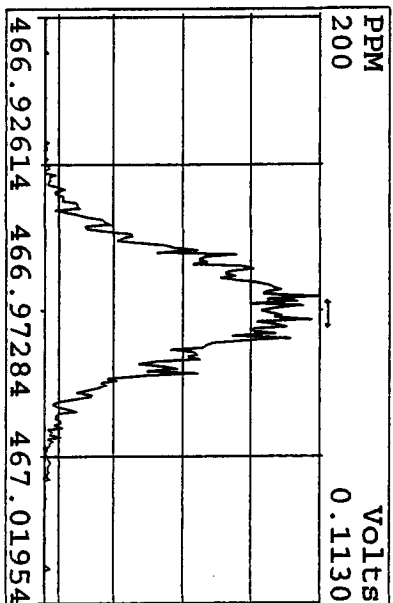
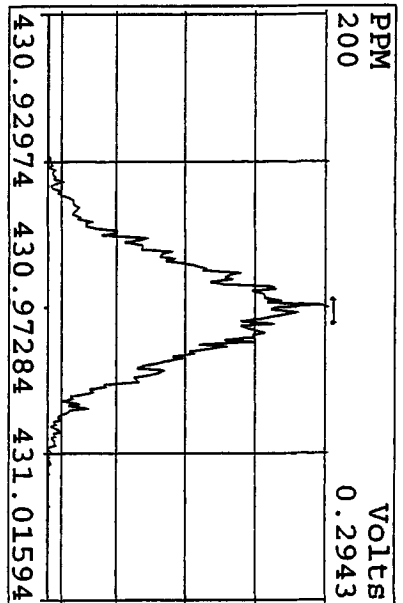
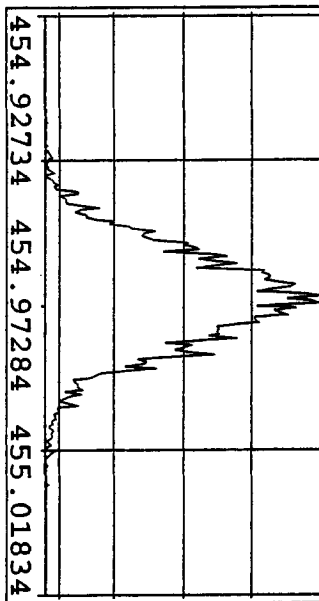
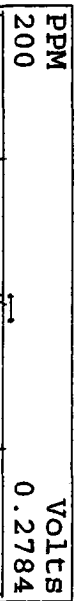
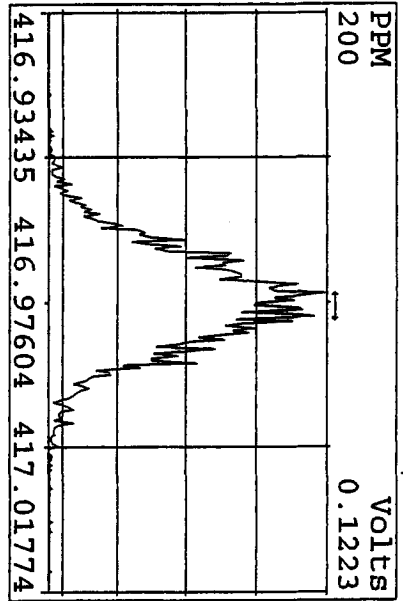
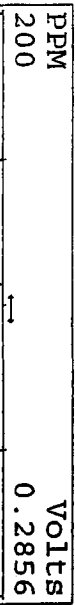
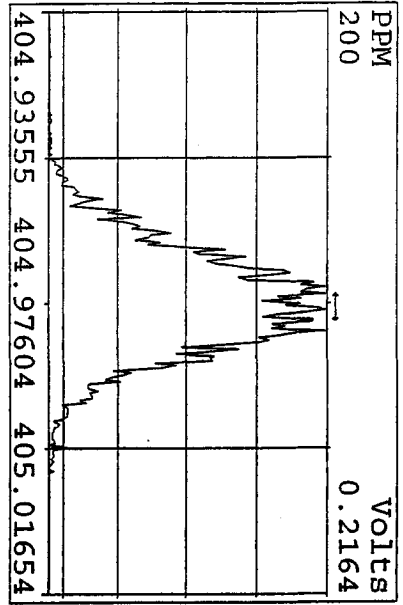
Peak Locate Examination: 30-APR-2010:08:15 File: 30AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



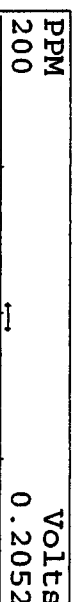
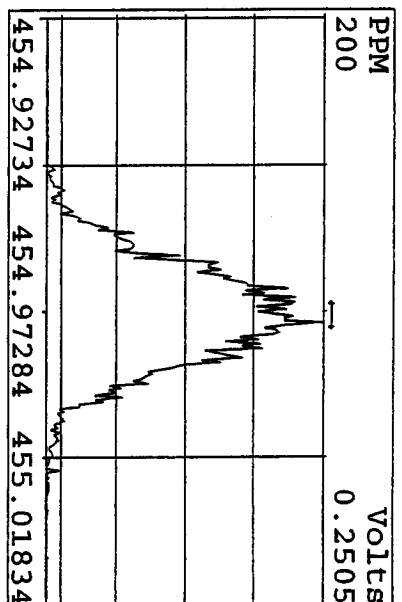
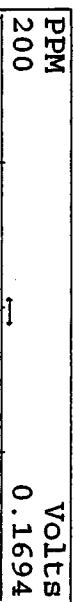
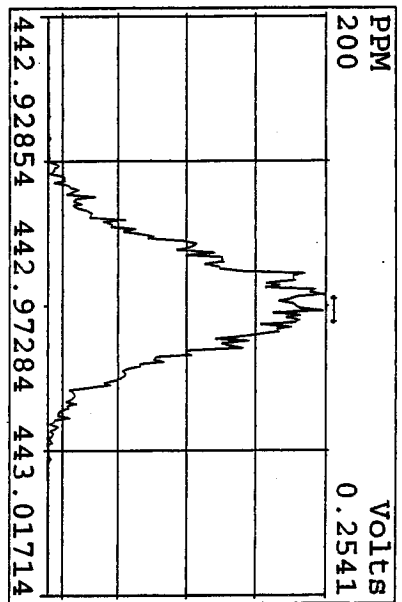
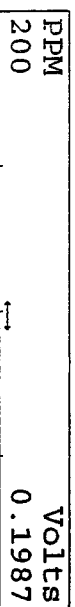
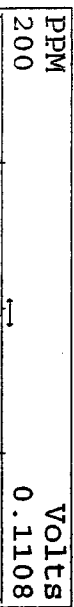
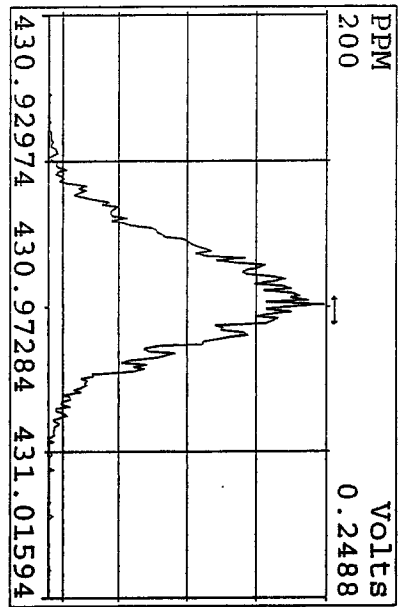
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 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



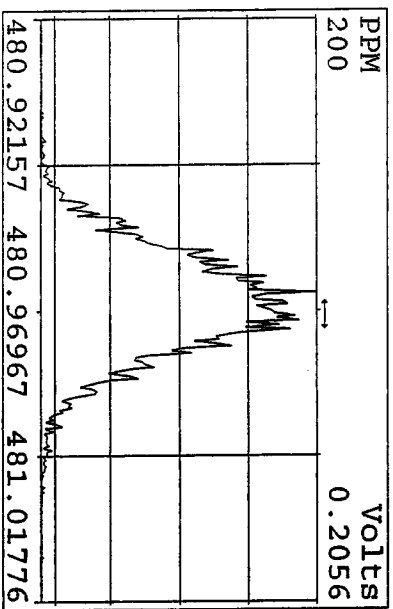
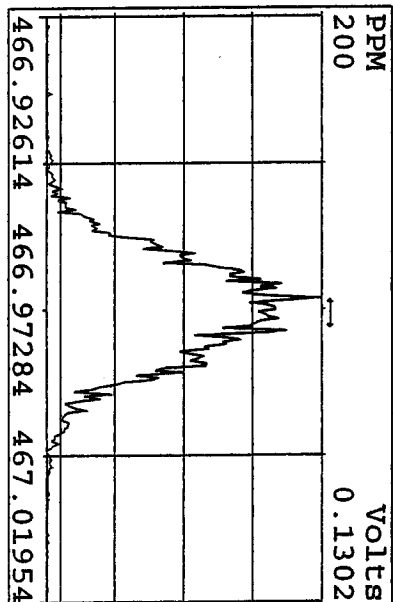
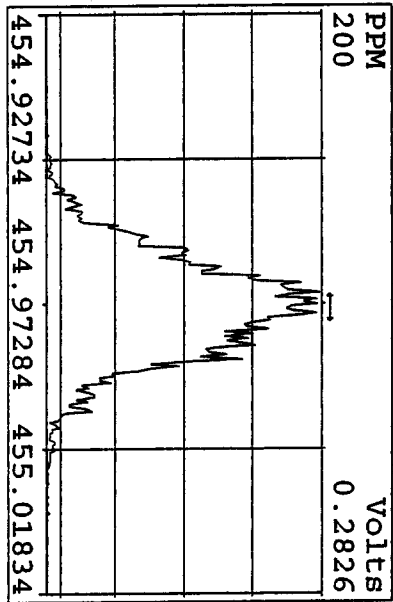
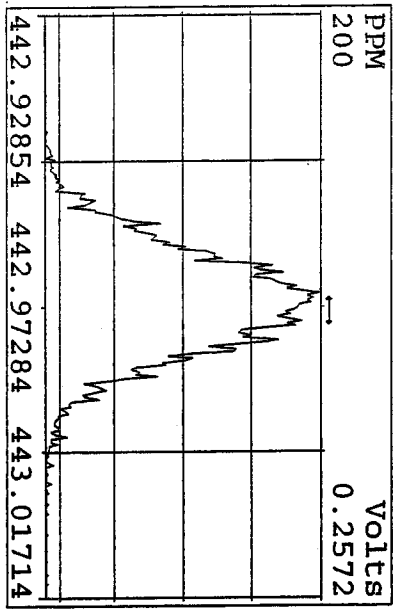
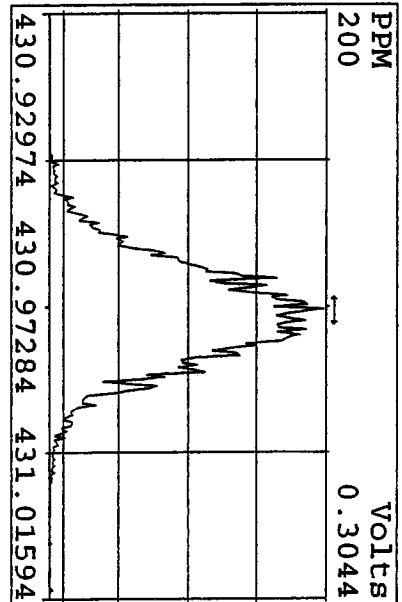
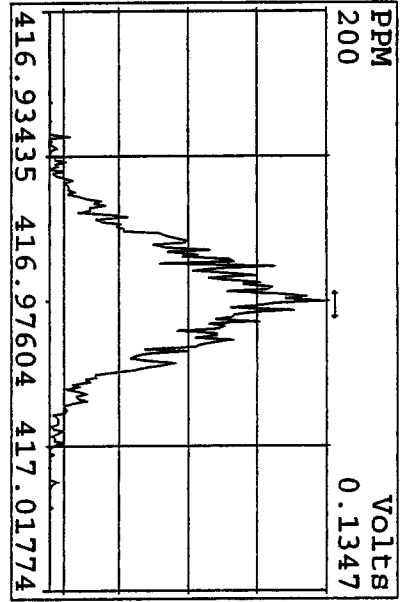
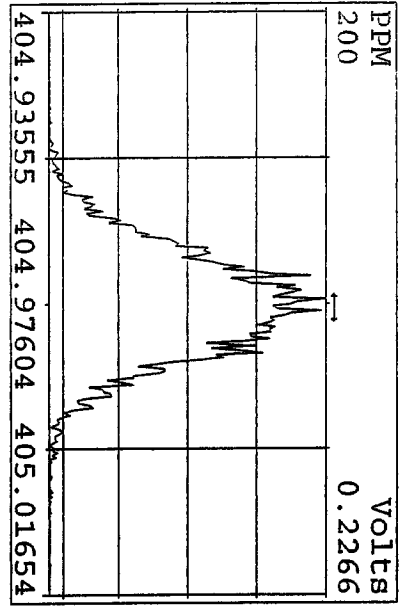
Peak Locate Examination: 30-APR-2010: 08:16 File: 30API04D5
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



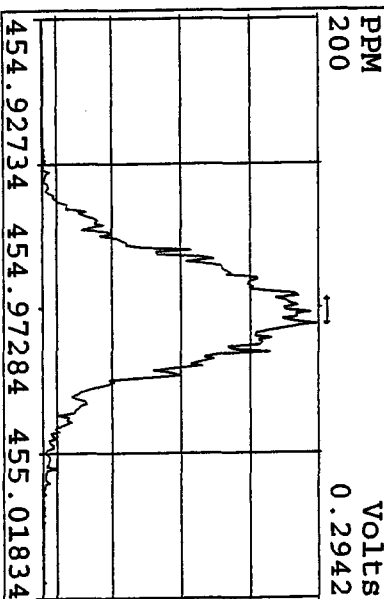
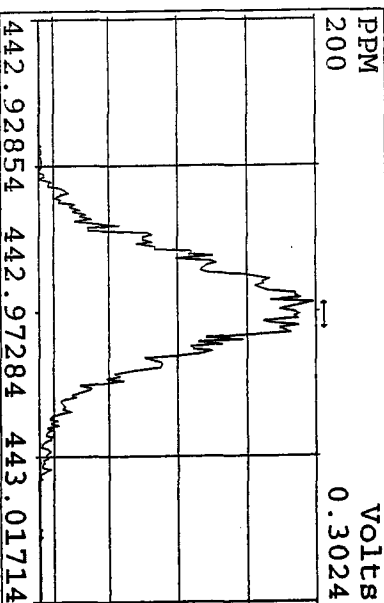
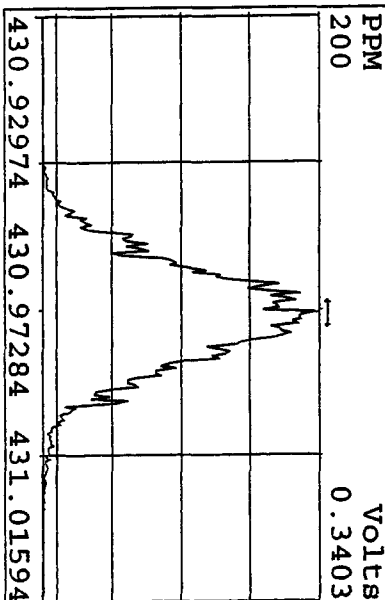
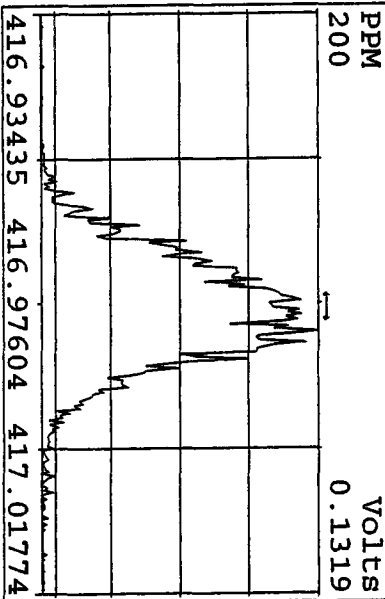
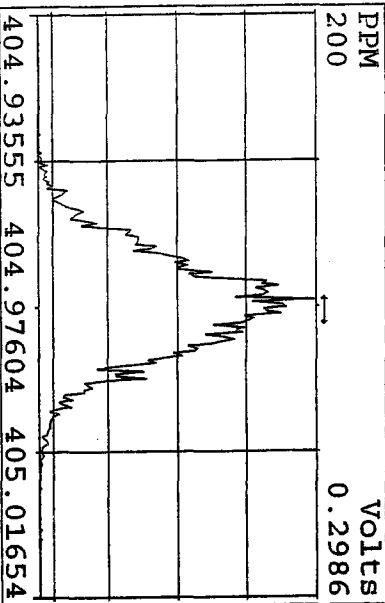
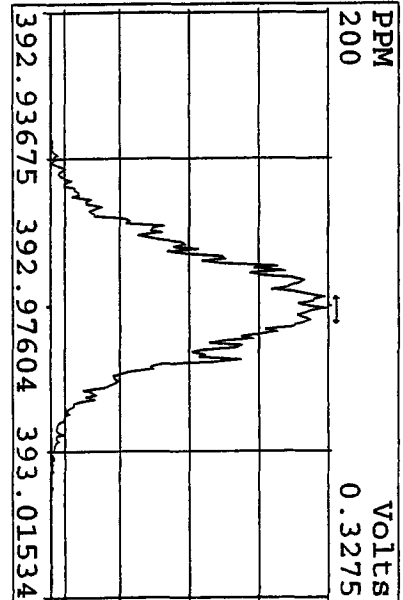
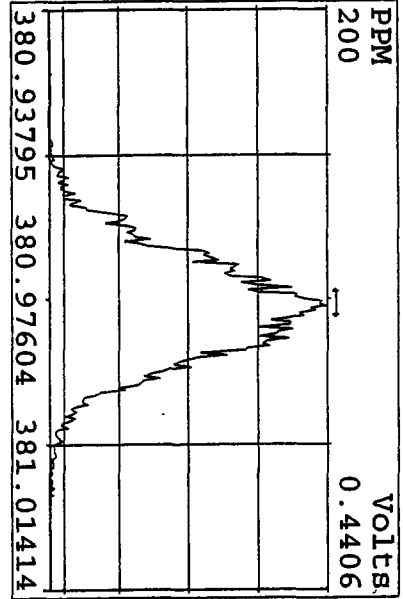
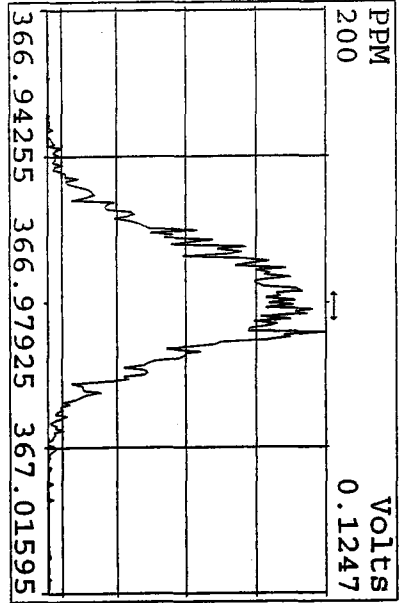
Peak Locate Examination: 30-APR-2010: 08:16 File: 30API104D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



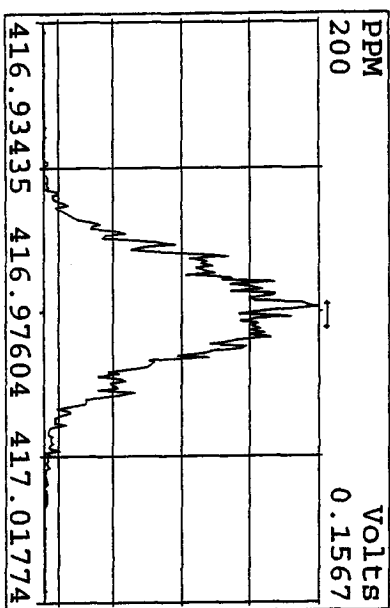
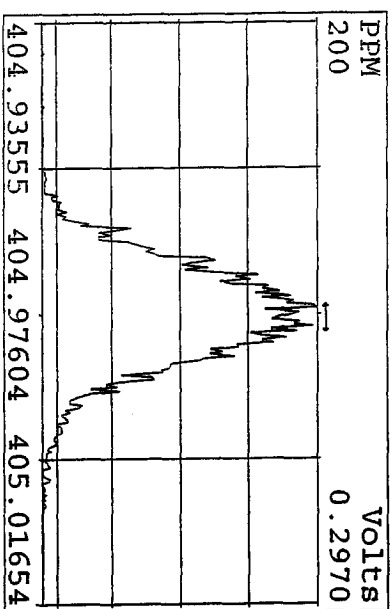
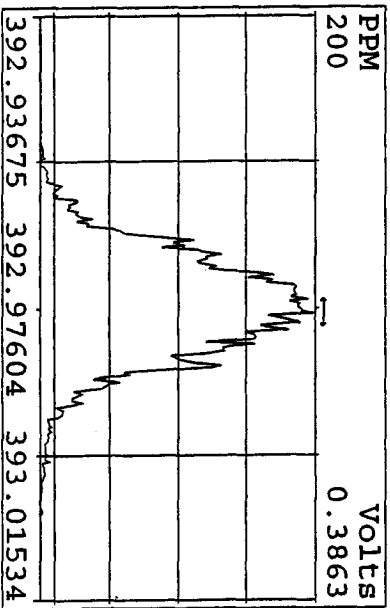
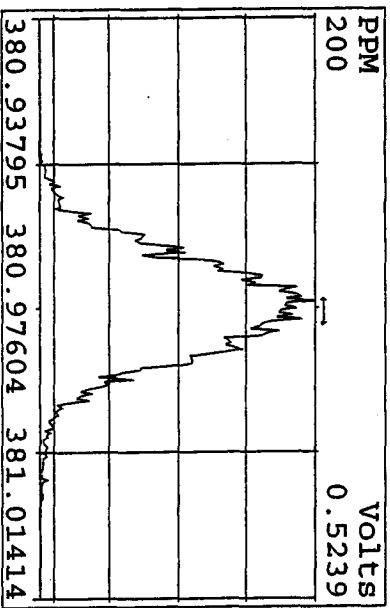
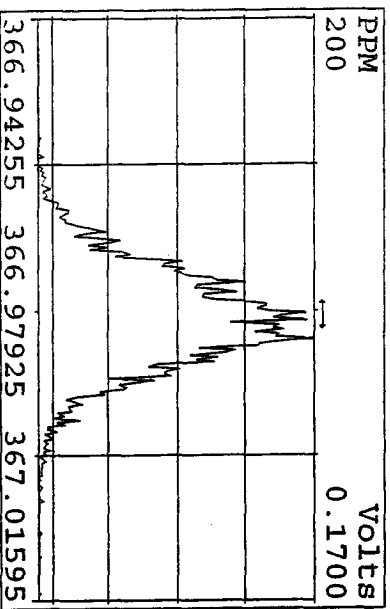
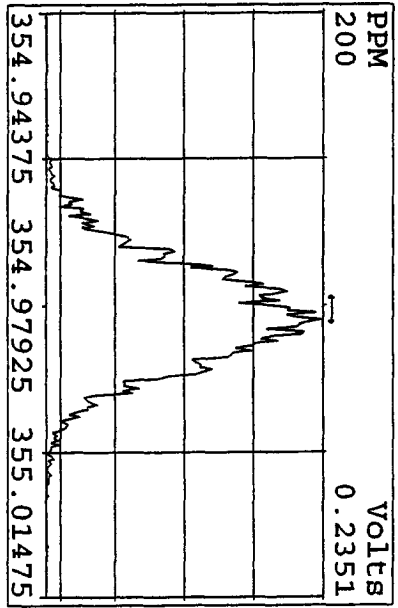
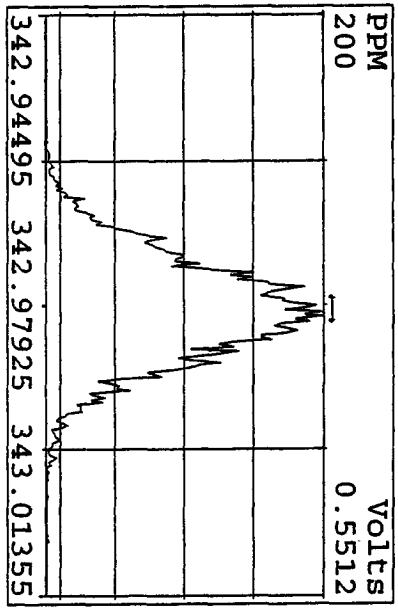
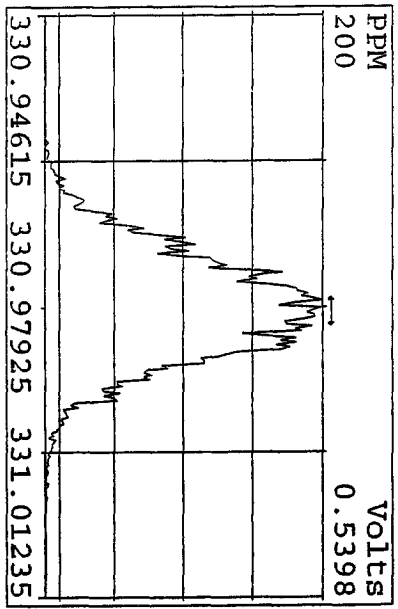
Peak Locate Examination: 30-APR-2010:16:32 File: 30AP104D5ENDRES
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



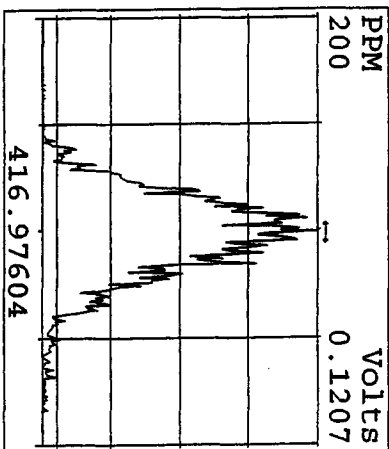
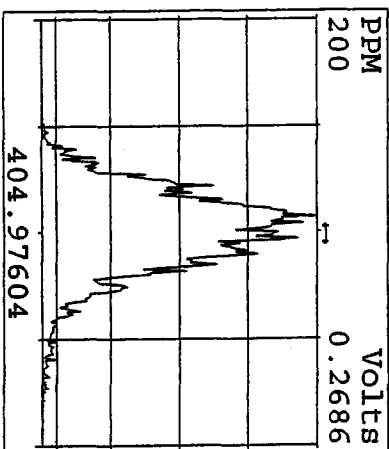
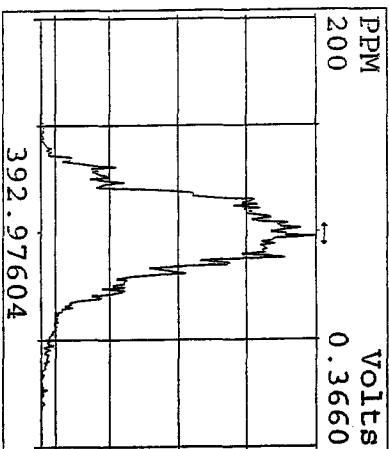
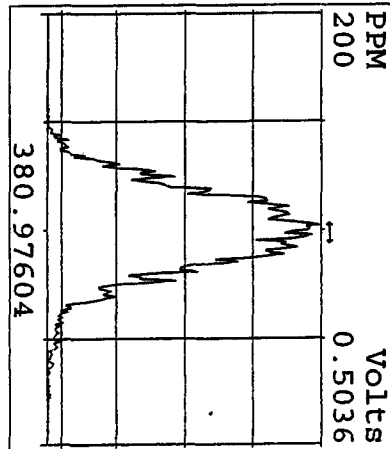
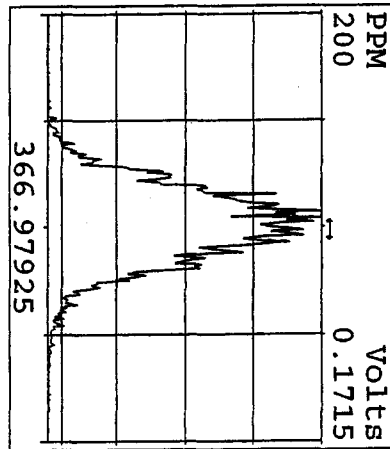
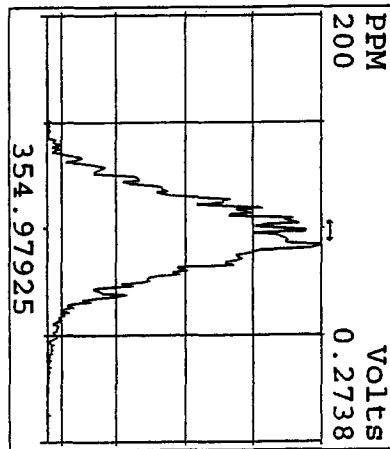
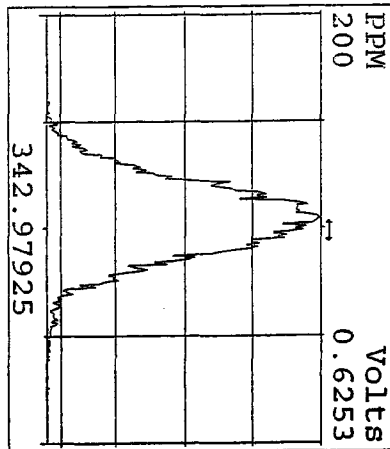
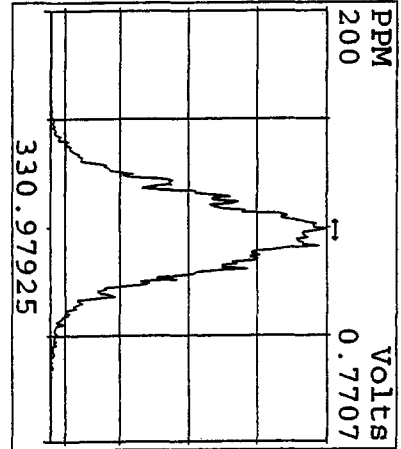
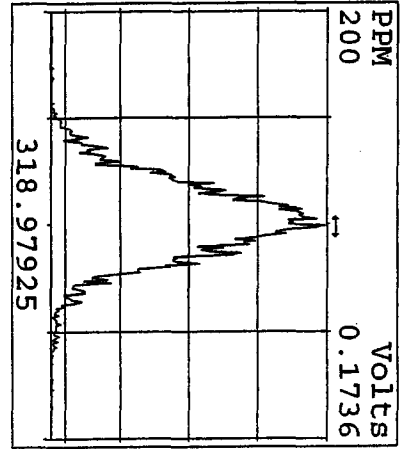
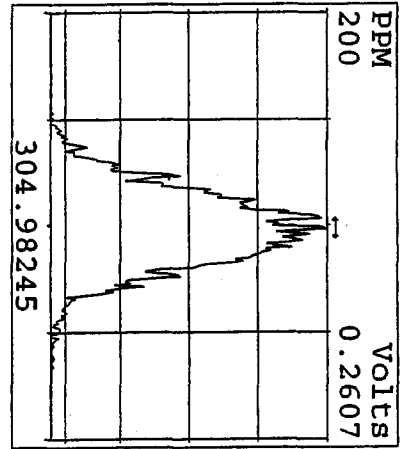
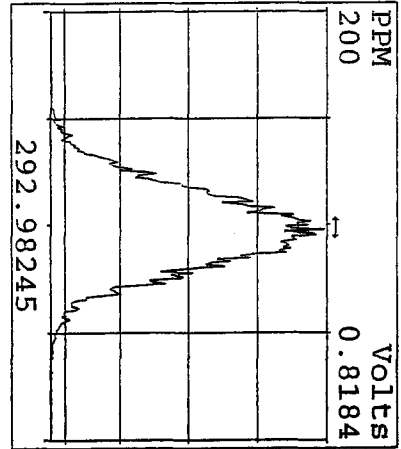
Peak Locate Examination: 30-APR-2010:16:31 File: 30API04D5ENDRES
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



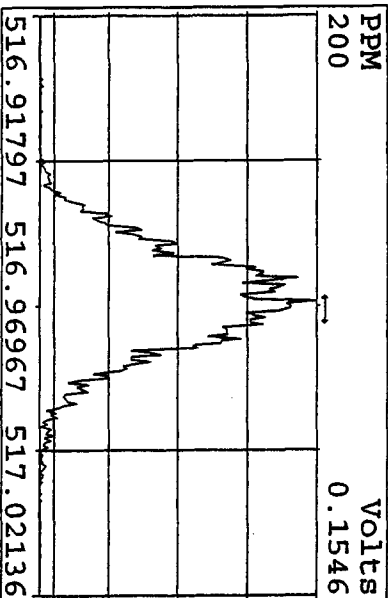
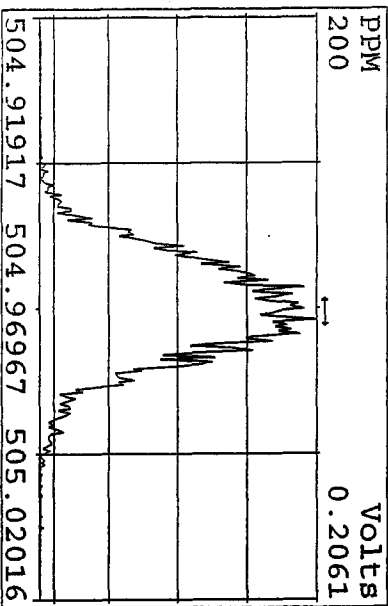
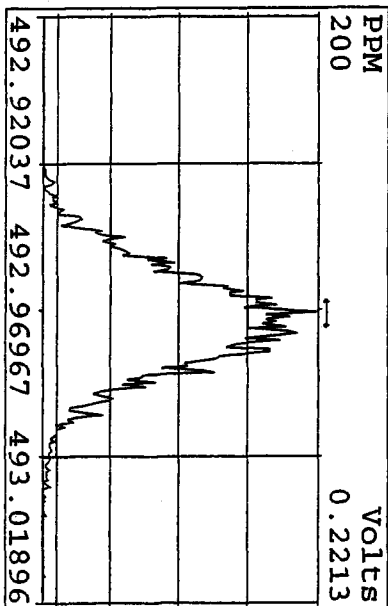
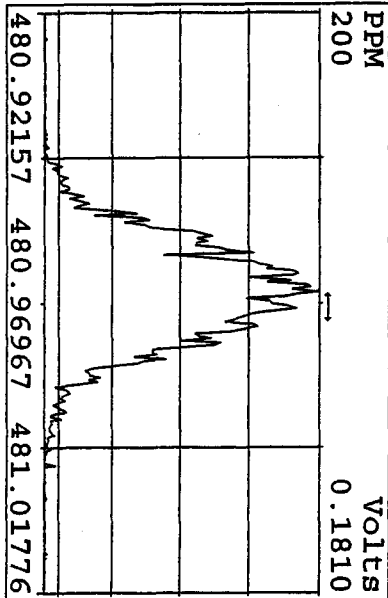
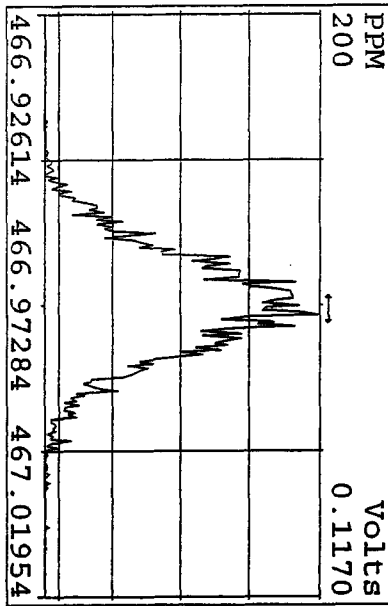
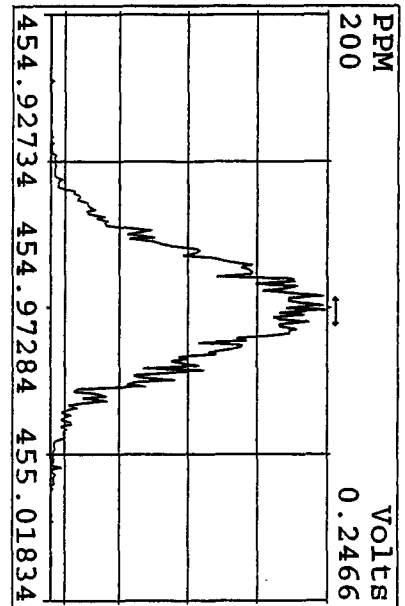
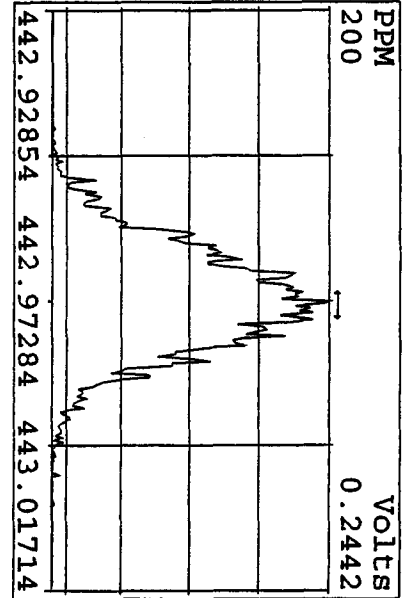
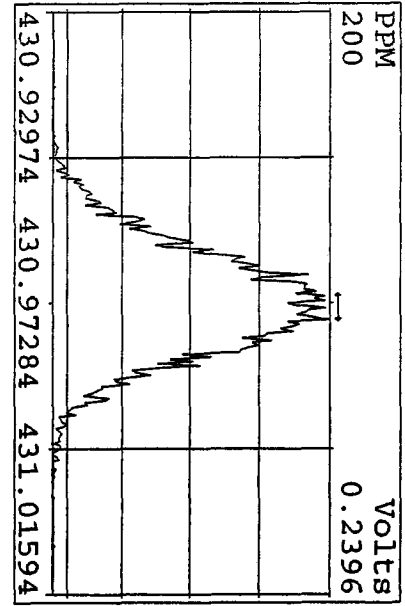
Peak Locate Examination: 30-APR-2010:16:31 File: 30API04D5ENDRES
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



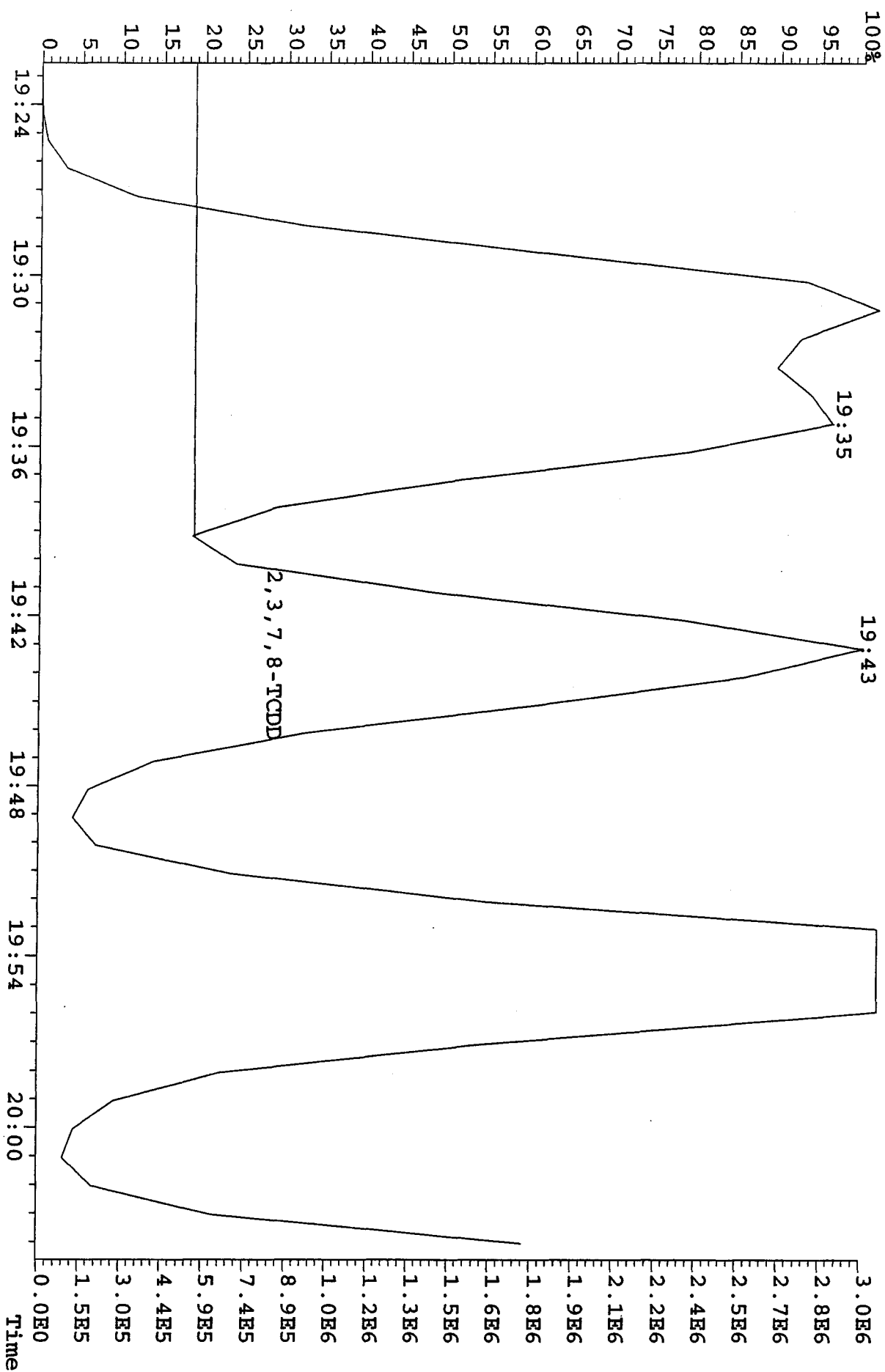
Peak Locate Examination: 30-APR-2010:16:30 File: 30API104D5ENDRES
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



Peak Locate Examination: 30-APR-2010:16:33 File: 30API04D5ENDRES
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



File: 30API04D5 #1-330 Acq: 30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-Ultimate
 321.8936 BSUB(128,15,-3.0) Exp: DIOXINRES8290A Noise: 18



Run: 30AP104D5 Analyte: 8290AHR5 Cal: 8290A0412104D5

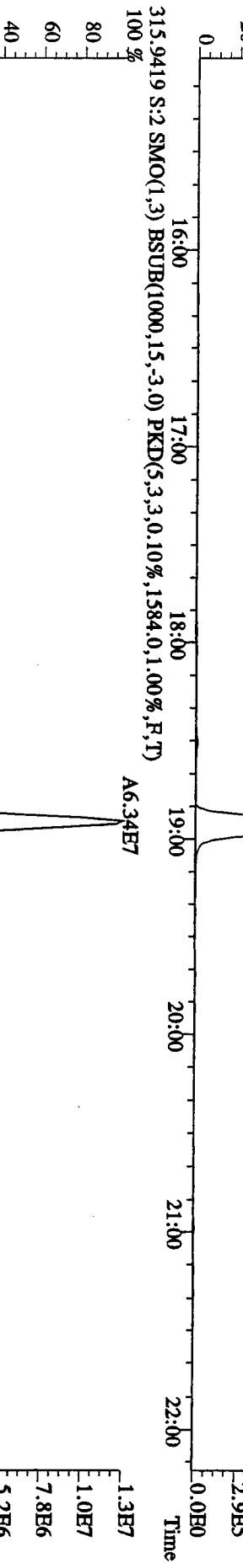
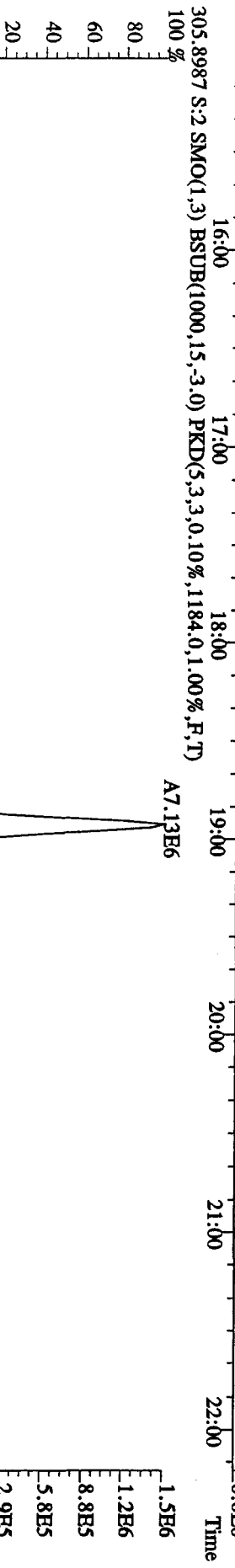
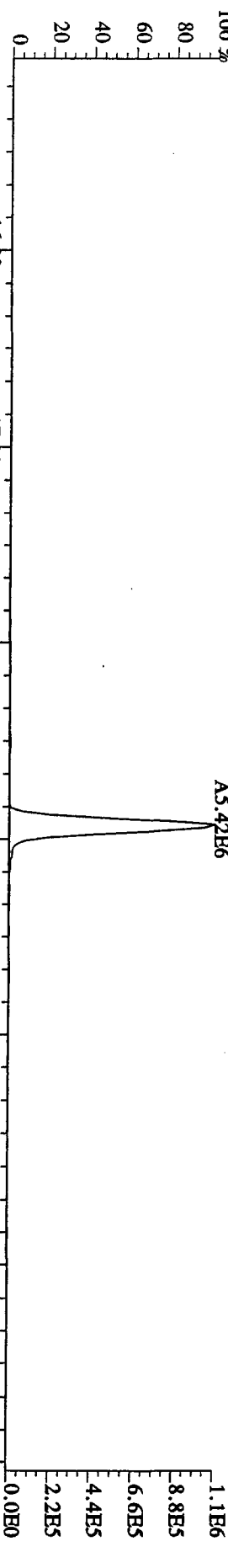
ST0412B : CS-1 09DXN422 ST0412A : CS-2 09DXN423 ST0412 : CS-3 10DXN111
 ST0412D : CS-4 09DXN426 ST0412C : CS-5 09DXN456

12AP104D5 12AP104D5 12AP104D5 12AP104D5 12AP104D5

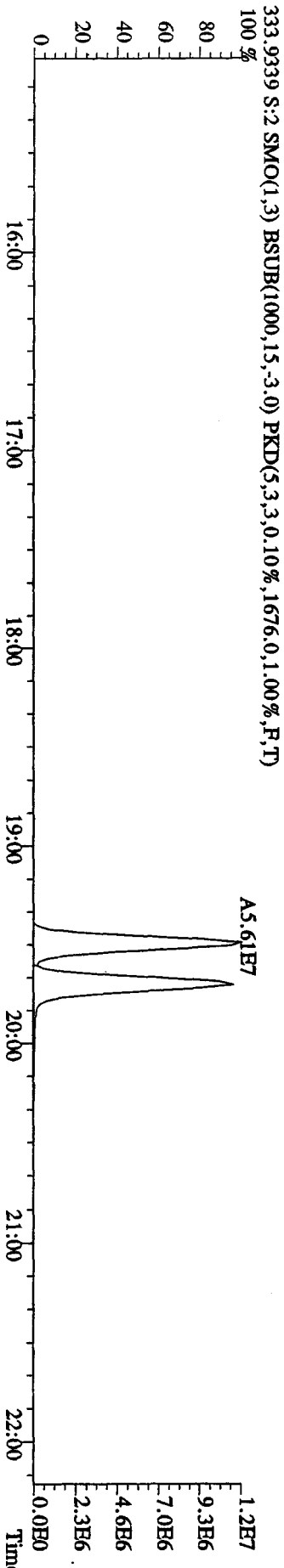
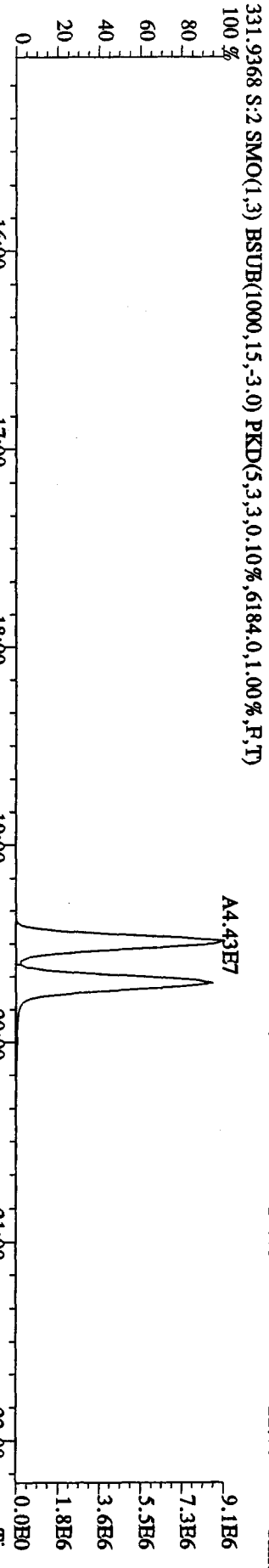
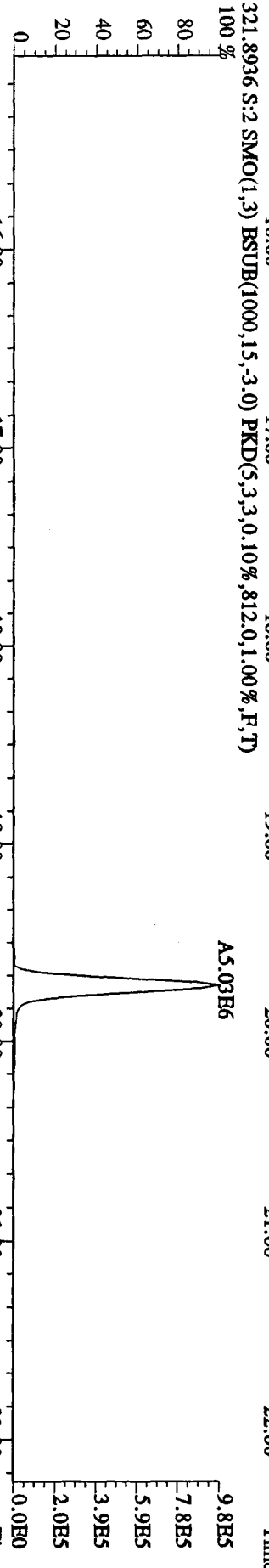
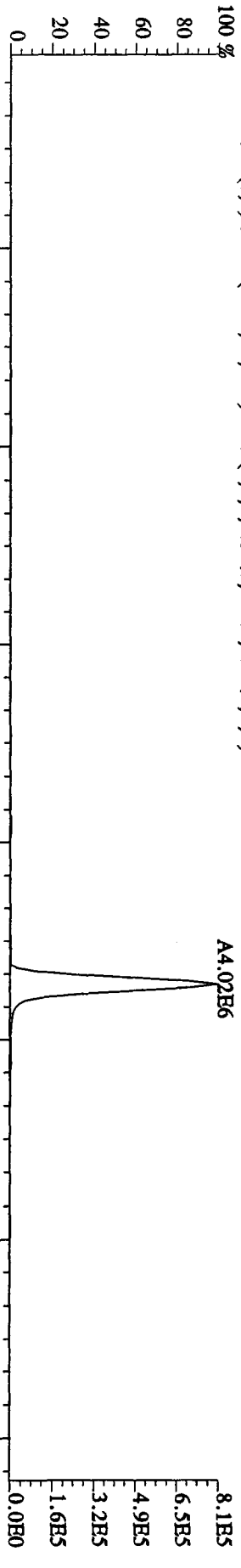
Name	Mean	S. D.	%RSD	12AP104D5				
				S4	S3	S2	S6	S5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	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
37C1-2,3,7,8-TCDD	2.261	0.218	9.64 %	2.41	2.04	2.16	2.14	2.56
13C-1,2,3,7,8-PeCDF	1.050	0.149	14.1 %	0.97	0.97	1.01	0.98	1.31
1,2,3,7,8-PeCDF	1.045	0.049	4.68 %	0.97	1.02	1.09	1.09	1.06
2,3,4,7,8-PeCDF	0.982	0.045	4.55 %	0.93	0.97	1.03	1.02	0.96
Total F2 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
Total F1 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
13C-1,2,3,7,8-PeCDD	0.670	0.094	14.0 %	0.61	0.65	0.62	0.64	0.84
1,2,3,7,8-PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
Total PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
13C-1,2,3,7,8,9-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
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

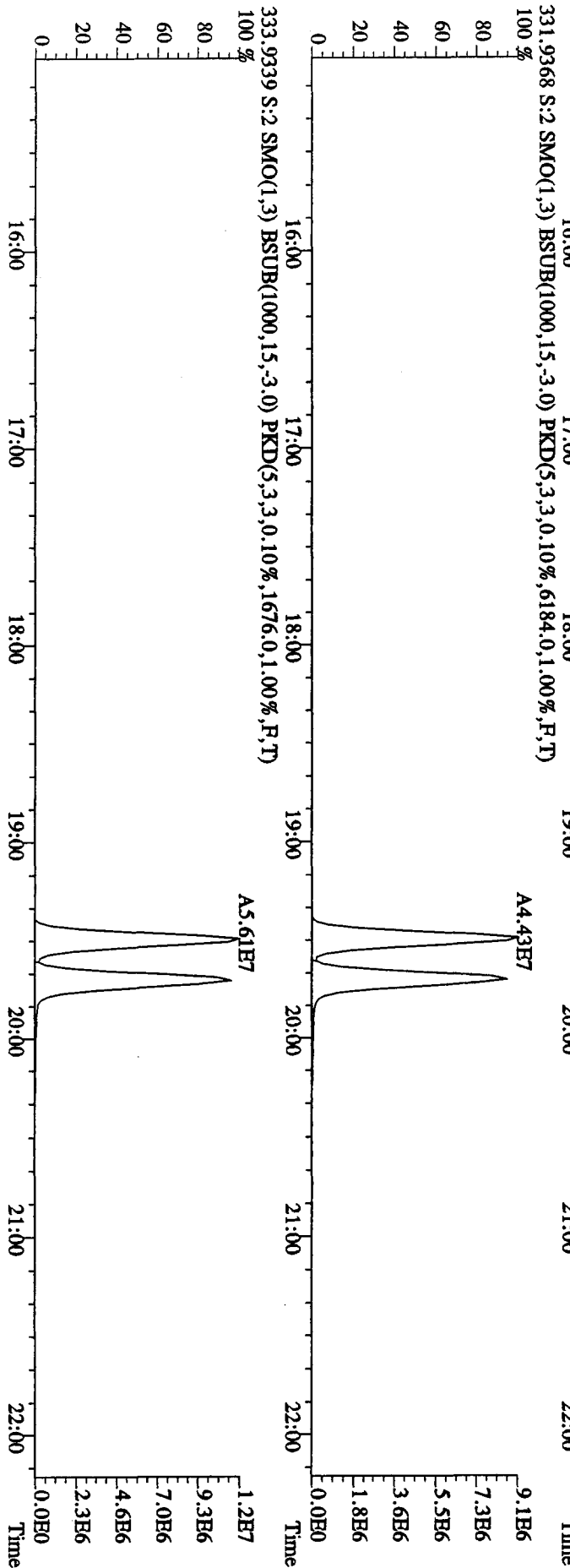
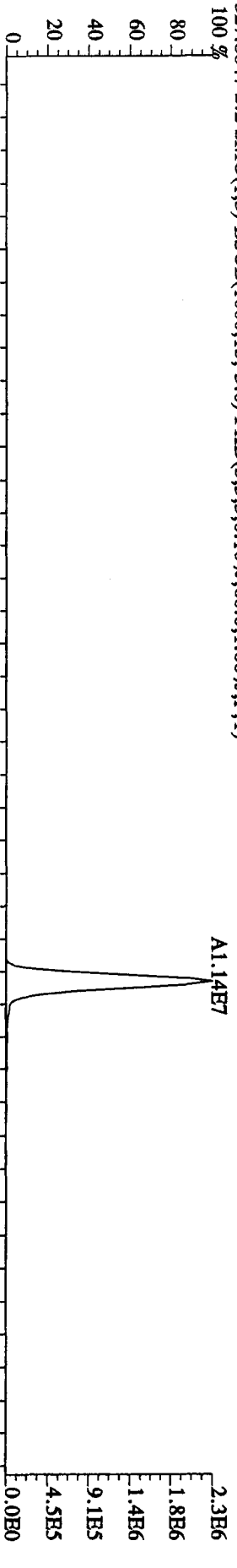
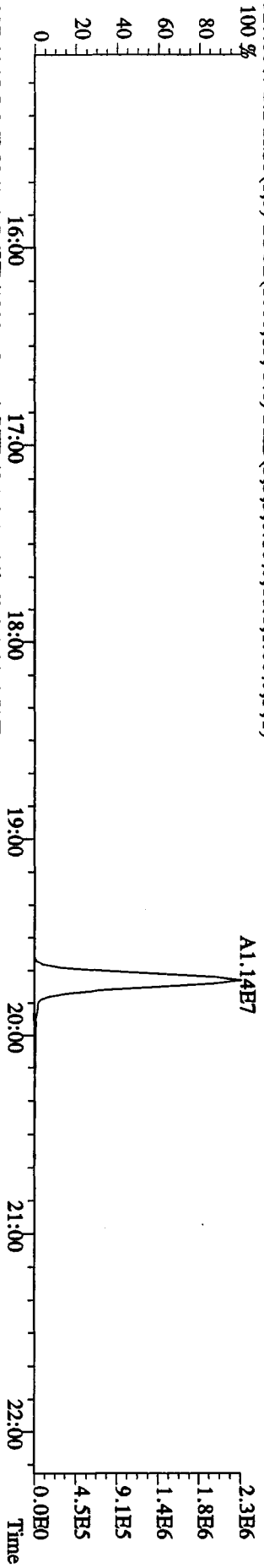
File:30AP104D5 #1-434 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)
 100%



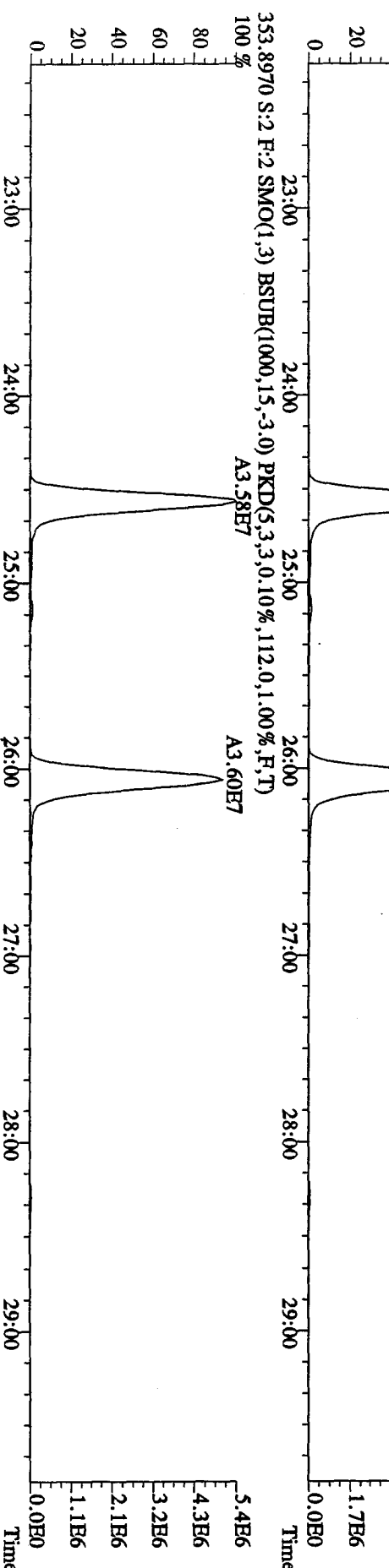
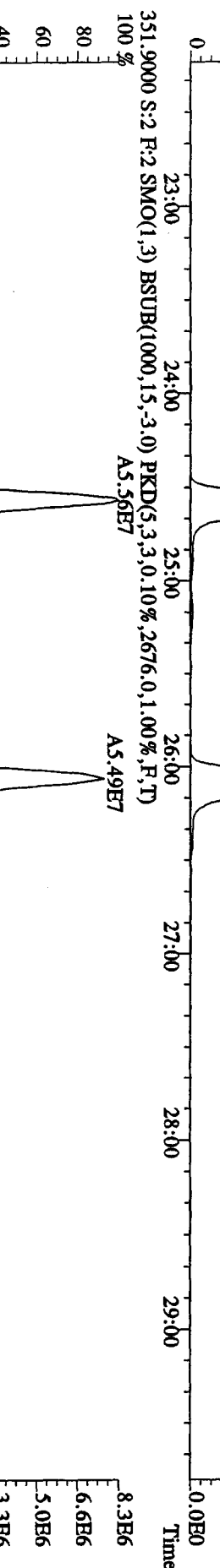
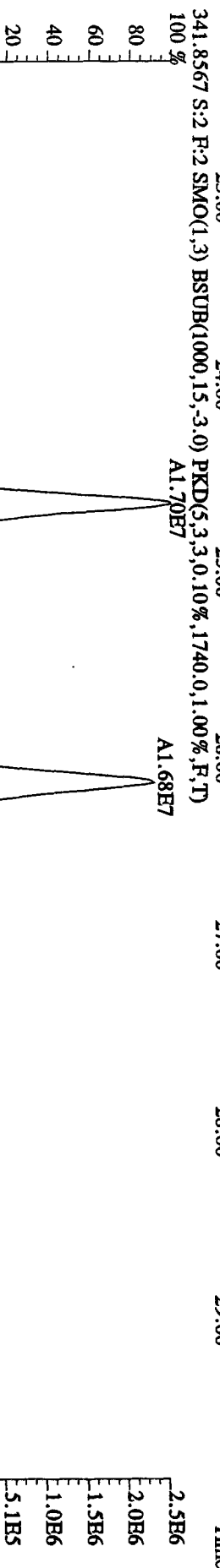
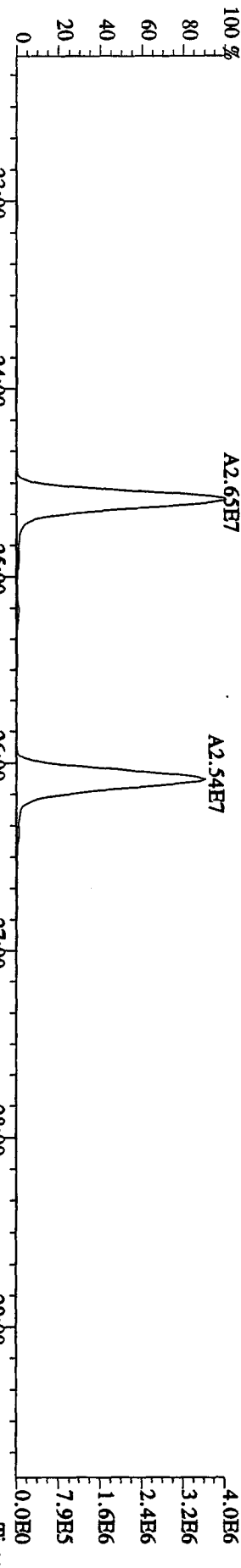
File:30AP104D5 #1-434 Acq:30-APR-2010 09:02:22 GC HI+ Voltage SIR Autospec-Ultimate
Sample#2 Text:ST0430 :CS3 10DXN083 Exp.:DIOXINRES8290A
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T) 100%
100%



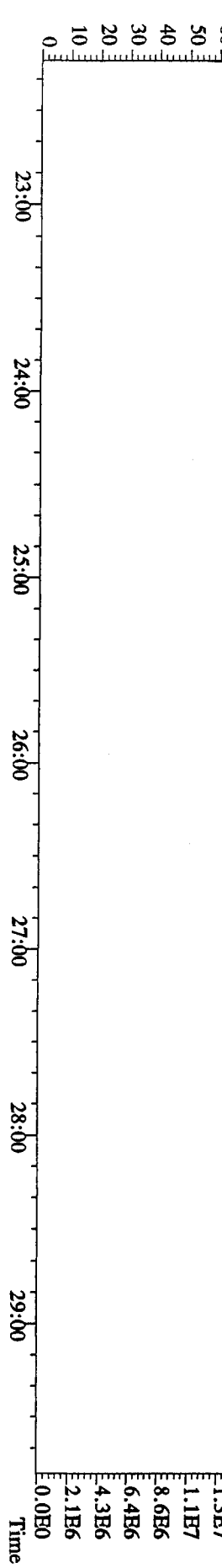
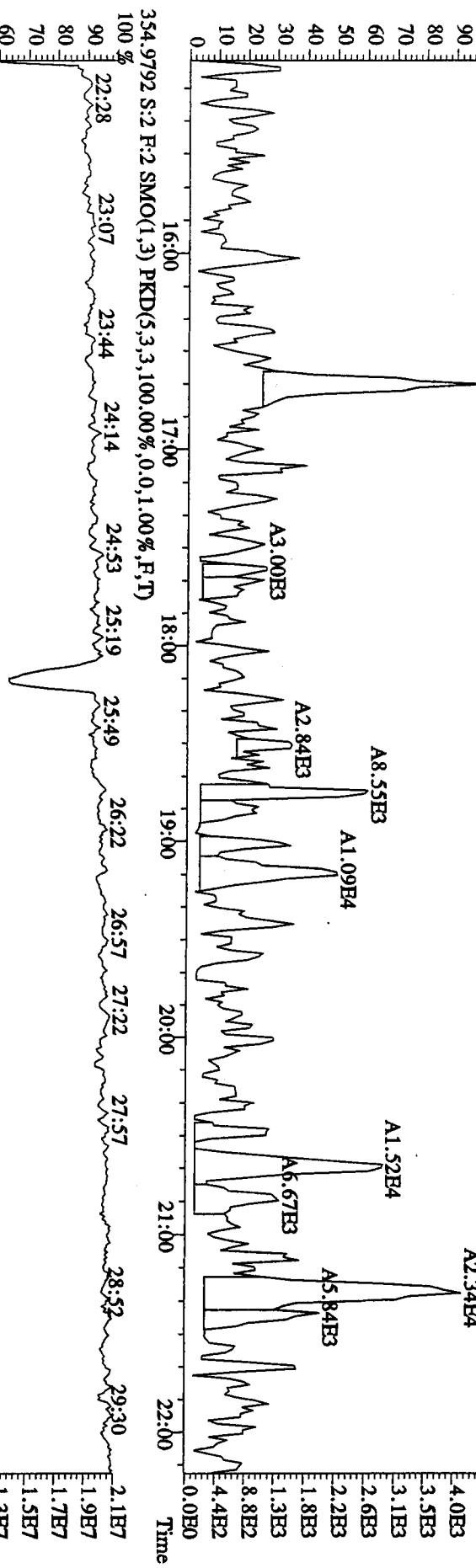
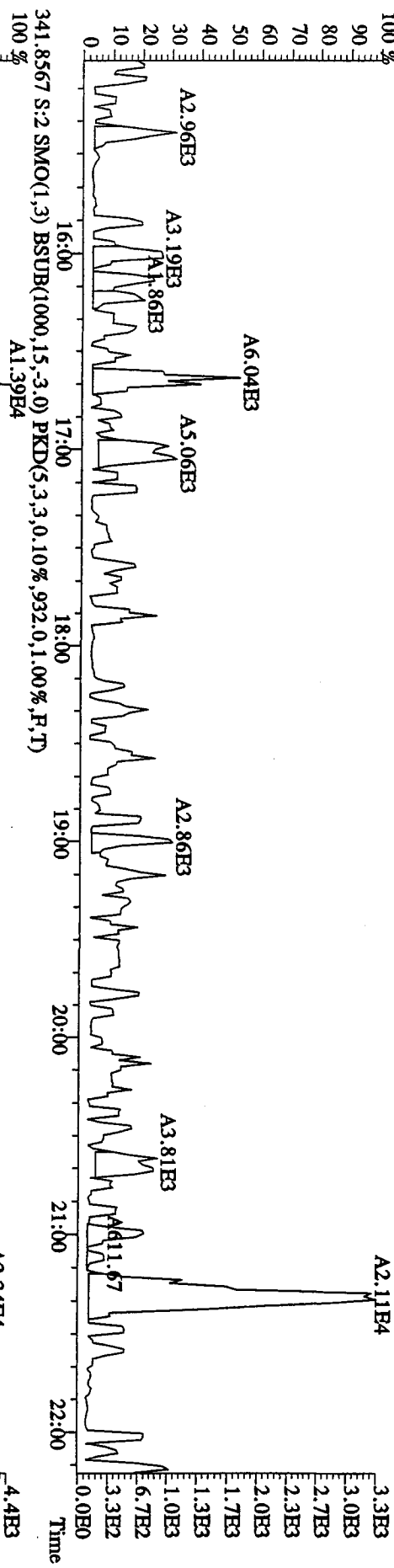
File:30ADP104D5 #1-434 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0430 :CS3 10DDXN083 Exp:DIOXINRES8290A
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,60.0,1.00%,F,T)
 100%



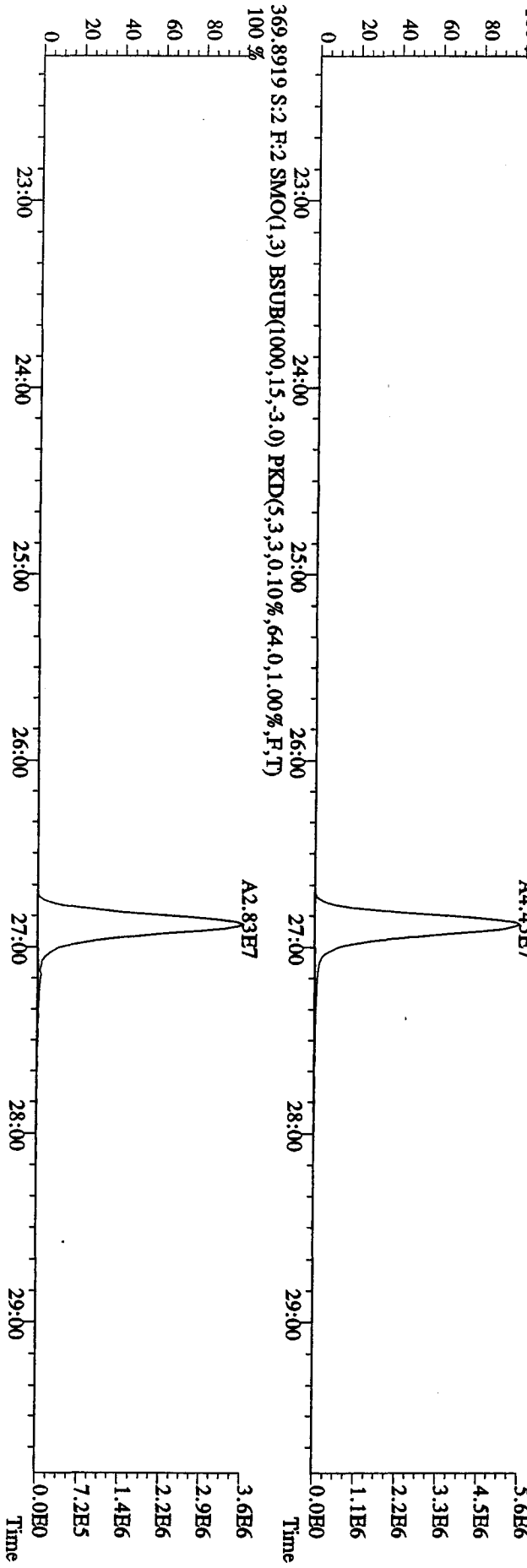
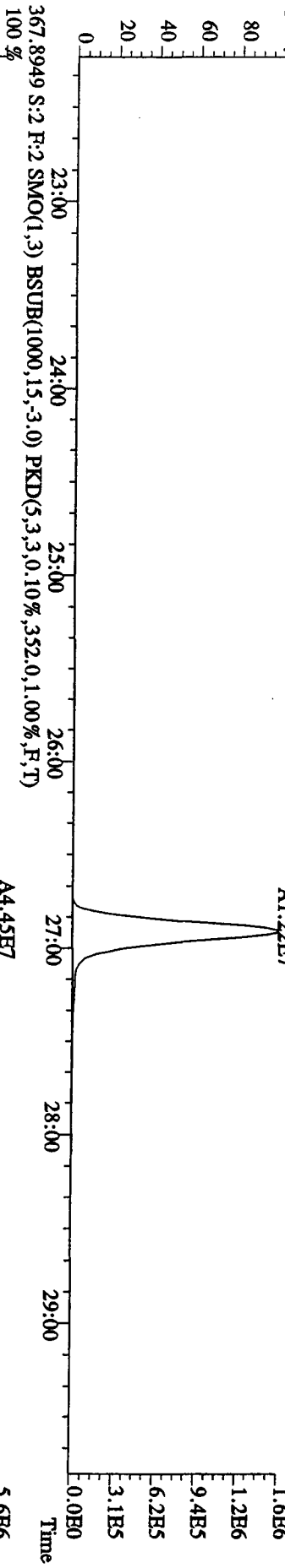
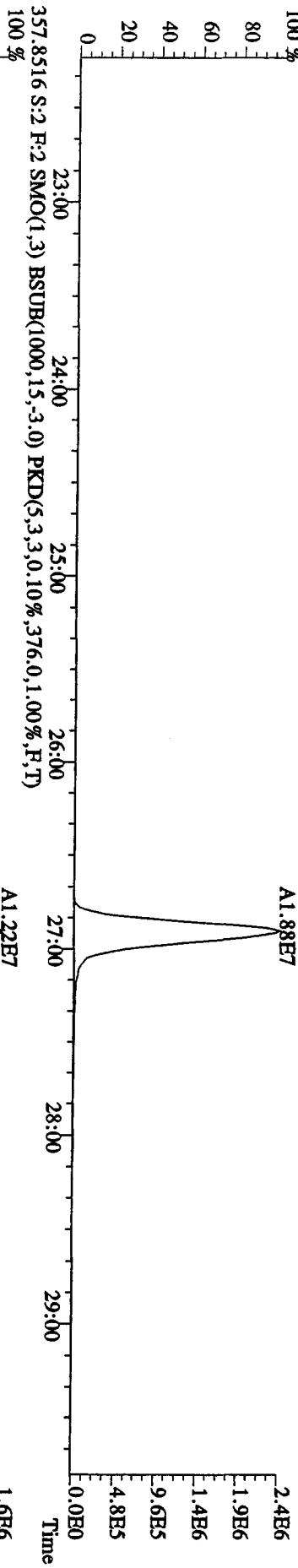
File:30ADP104D5 #1-604 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp.:DIOXINRES8290A
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1164.0,1.00%,F,T)
 100 % A2.65E7



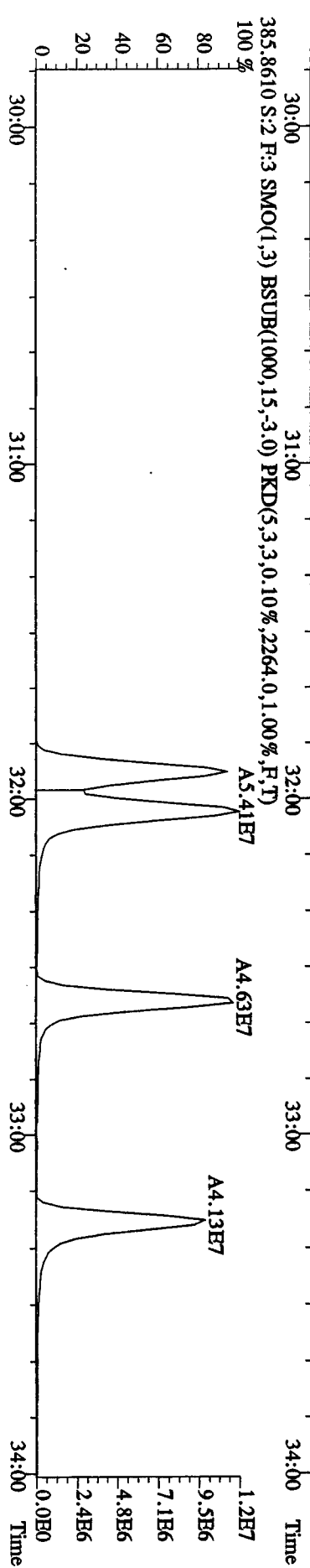
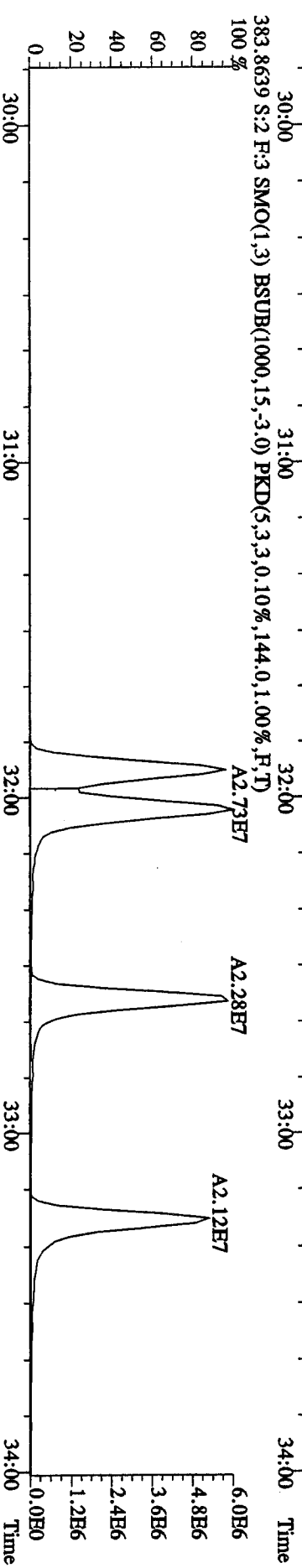
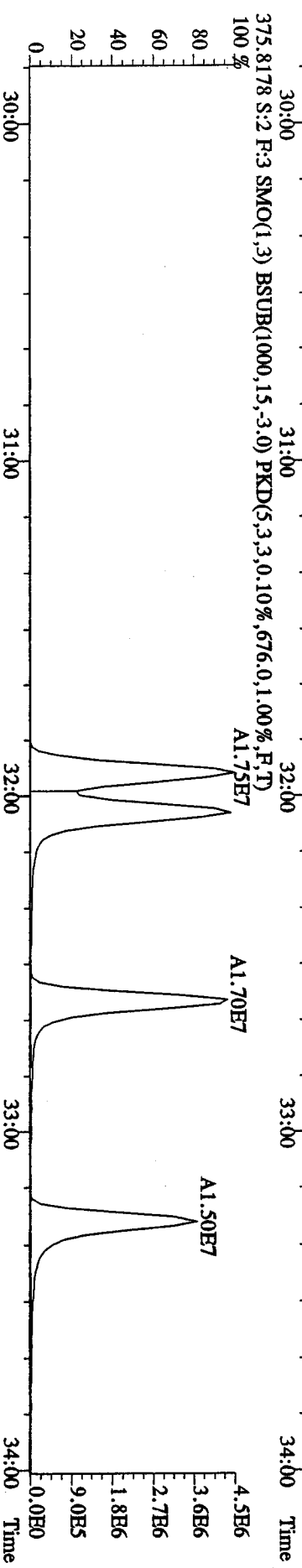
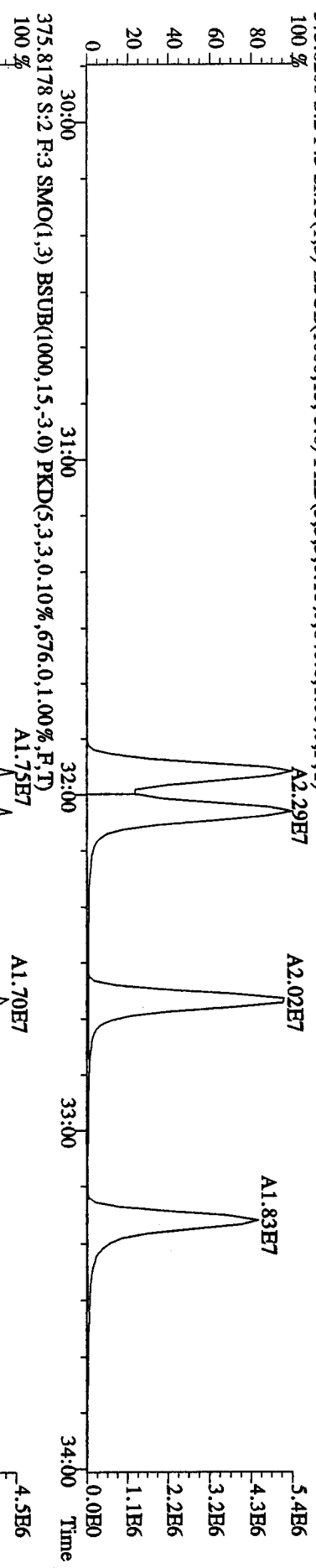
File:30AP104D5 #1-434 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,508.0,1.00%,F,T)



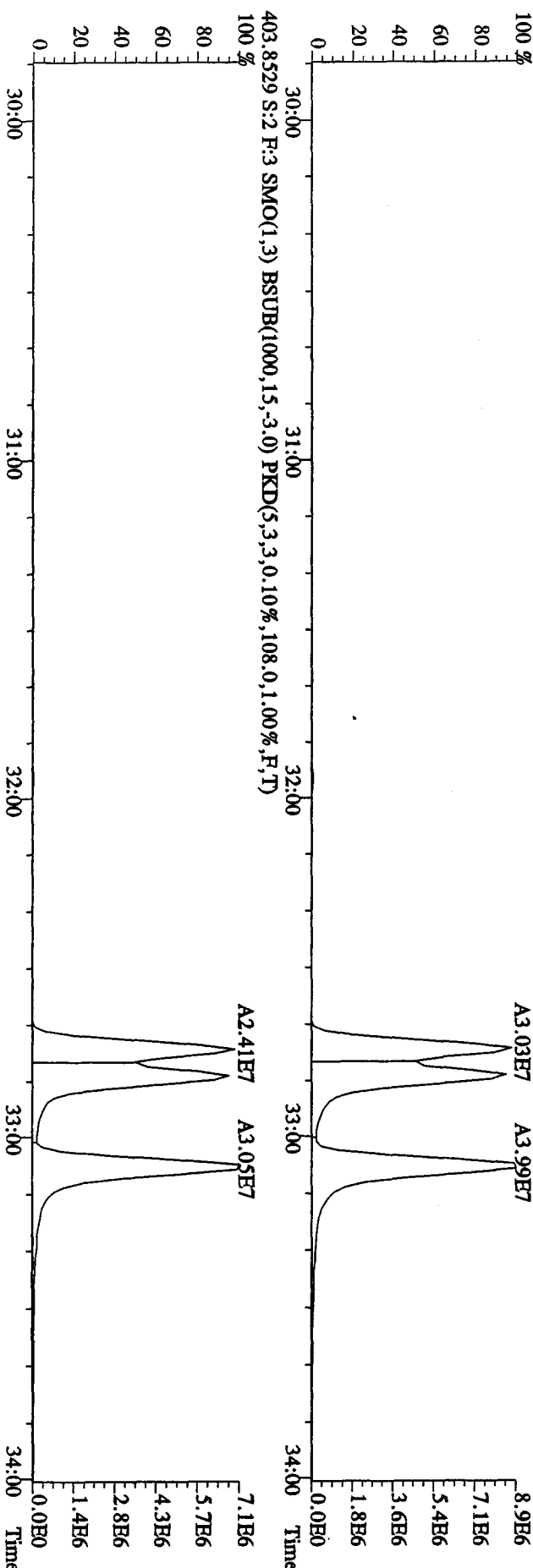
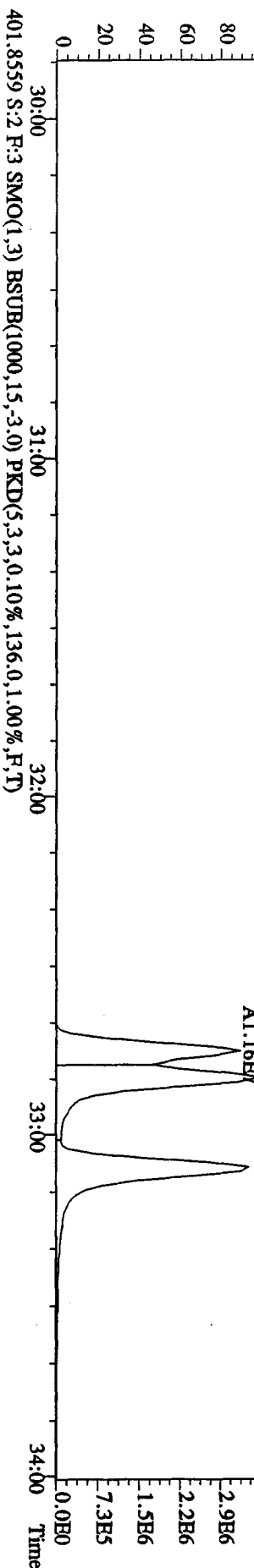
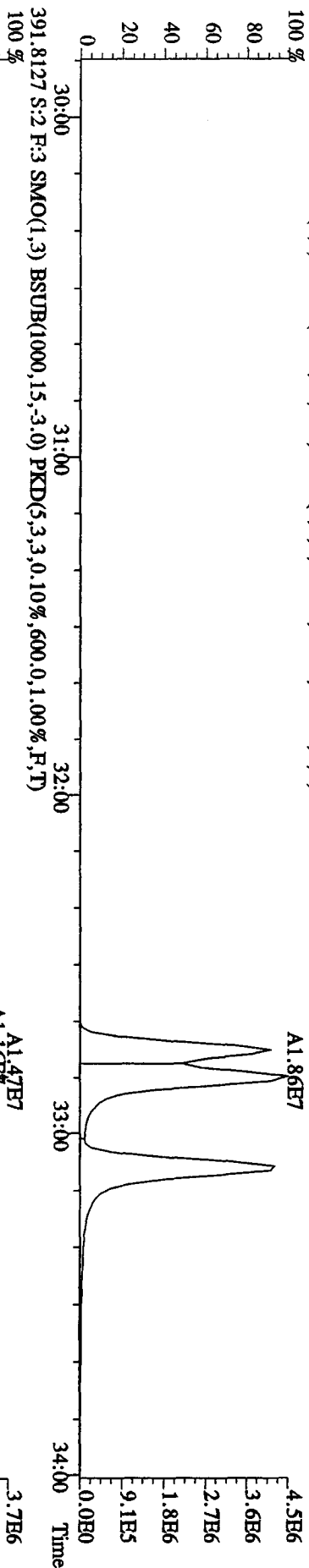
File:30AP104D5 #1-604 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-UtimaE
 Sample#2 Text:ST0430 :CS3 10DDXN083 Exp:DIOXINRES8290A
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1140.0,1.00%,F,T)
 100 %



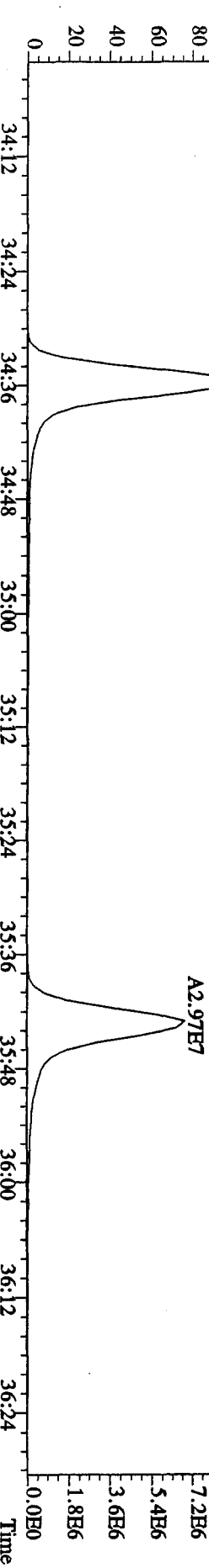
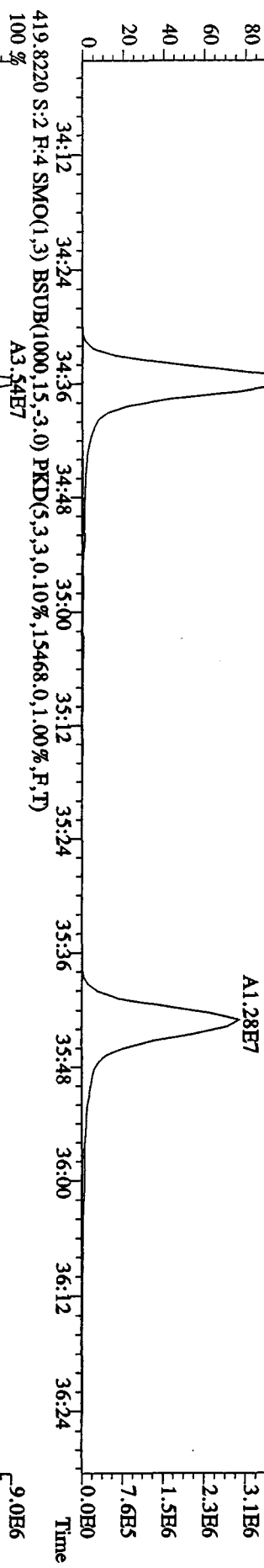
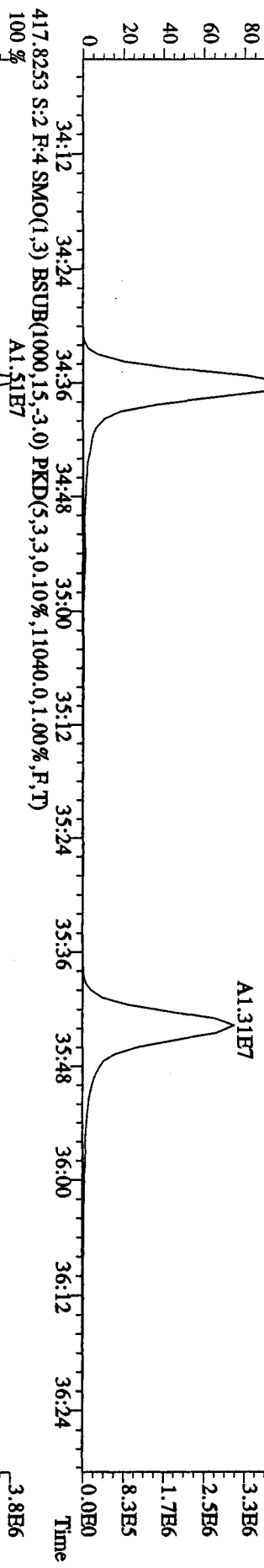
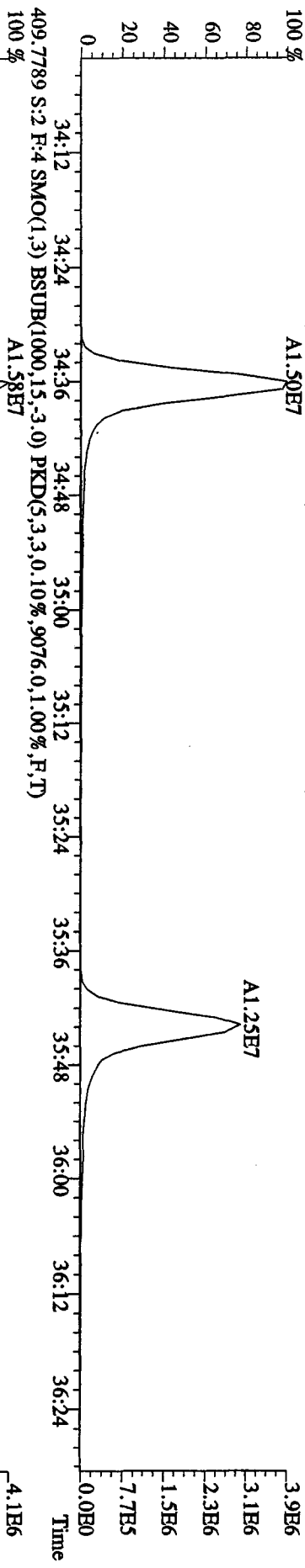
File:30AP104D5 #1-317 Acq:30-APR-2010 09:02:22 GC FI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,640.0,1.00%,F,T)



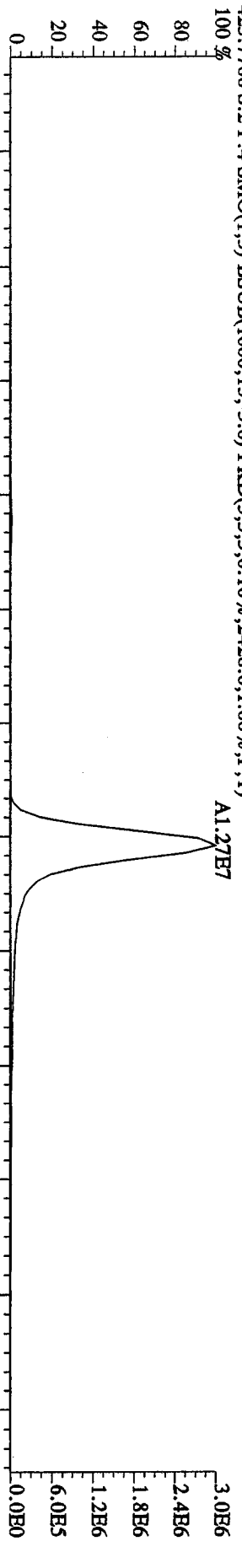
File:30API04D5 #1-317 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,540,0,1.00%,F,T)
 100%



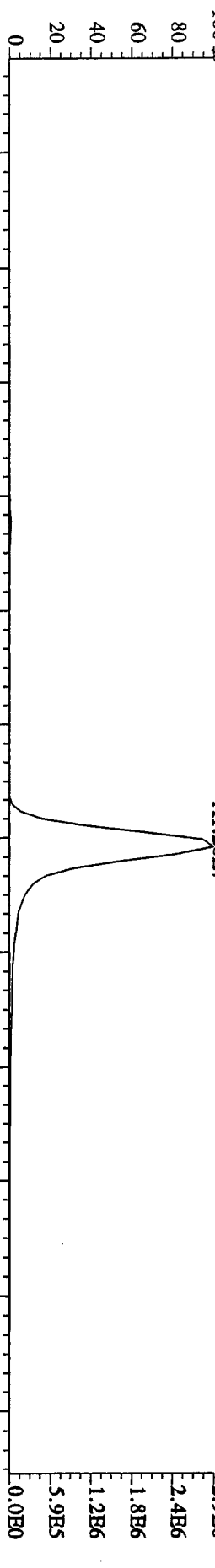
File:30AP104D5 #1-198 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0430 :CS3 10DDXN083 Exp:DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5300,0.1,0.00%,F,T)
 100% A1.50E7



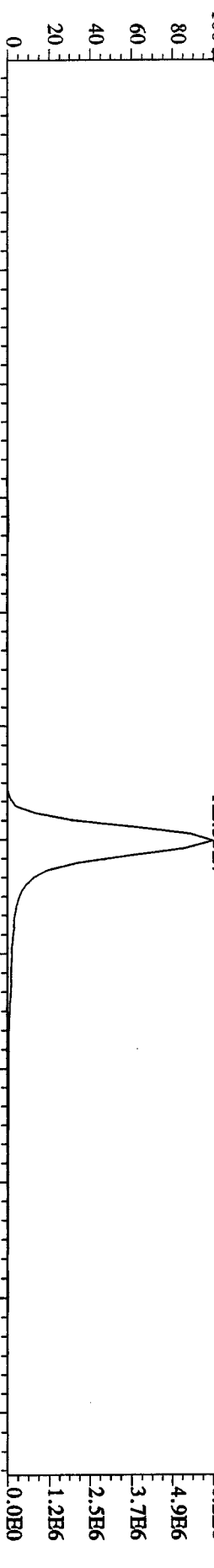
File:30AP104D5 #1-198 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2428.0,1.00%,F,T)
 100 %



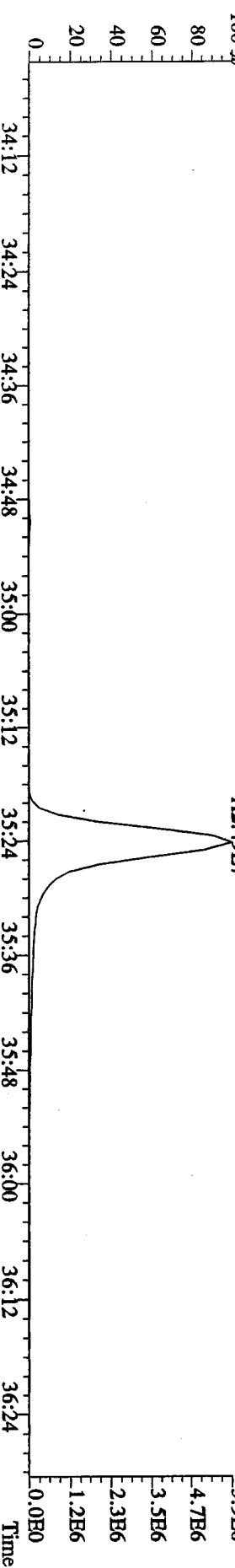
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2324.0,1.00%,F,T)
 100 %



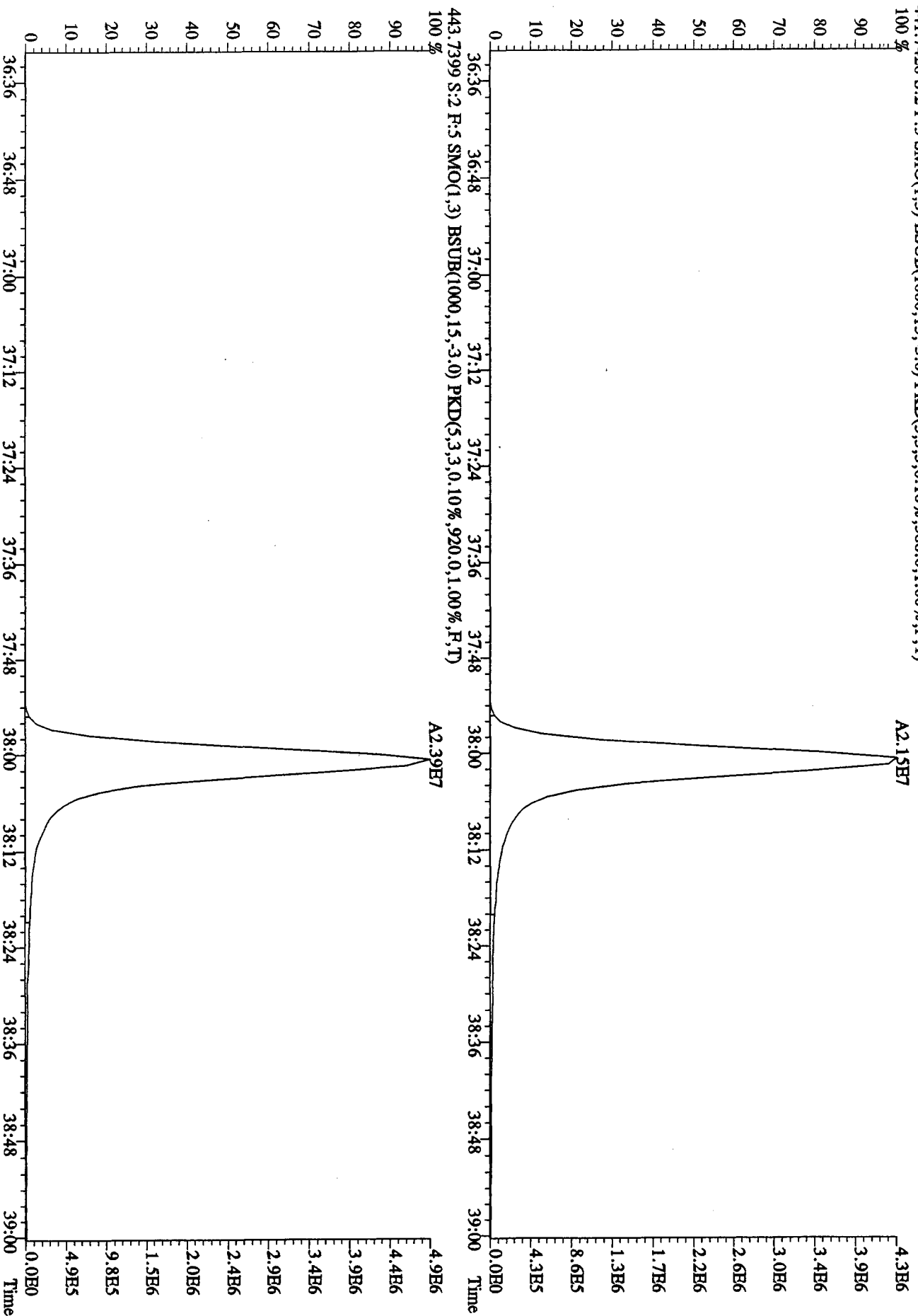
435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)
 100 %



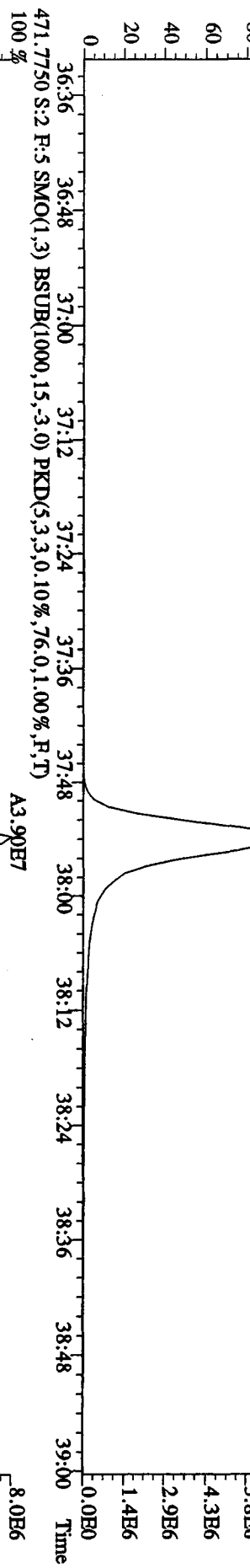
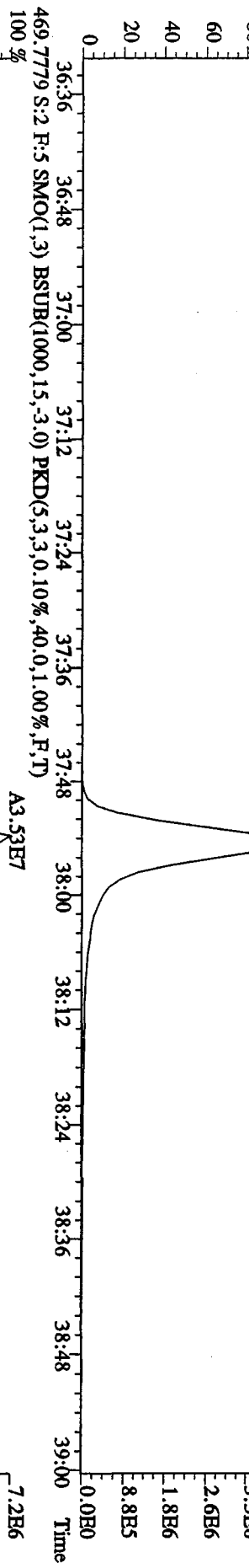
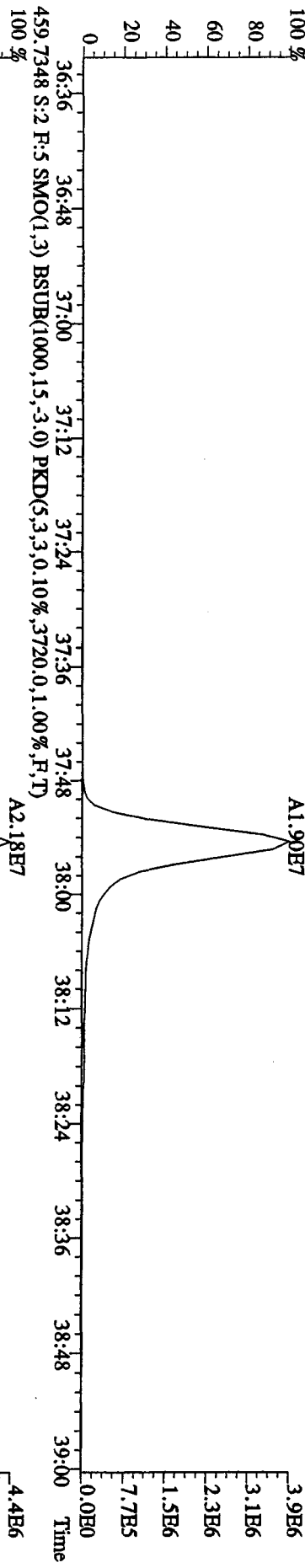
437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)
 100 %



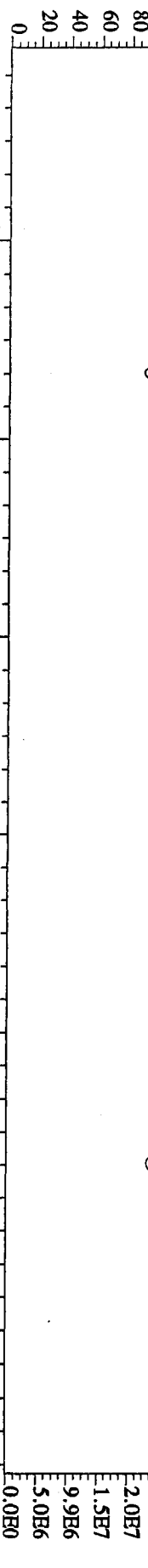
File:30API04D5 #1-190 Acq:30-APR-2010 09:02:22 GC FI + Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,588,0,1.00%,F,T)



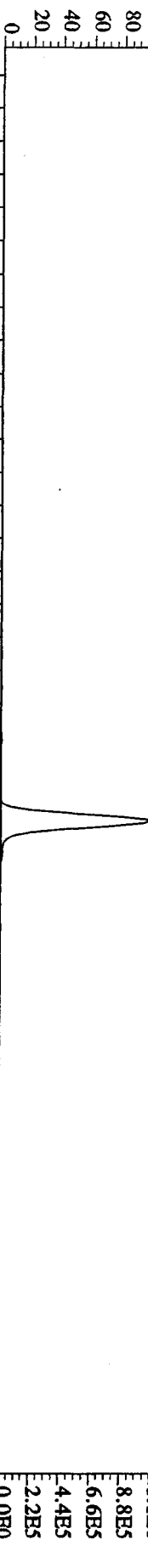
File:30AP104D5 #1-190 Acq:30-APR-2010 09:02:22 GC EI+ Voltage:519V Autospec-Ultimate
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5748,0.1,0.00%,F,T)



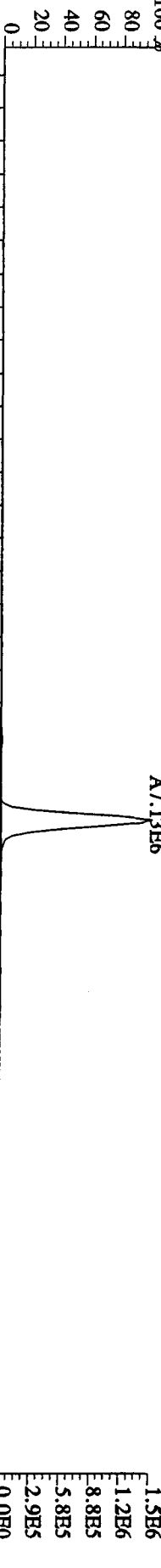
File:30ADP104D5 #1-434 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0430 :CSS 10DXN083 Exp:DIOXINRES8290A
 354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 15:41 16:20 16:50 17:28 18:09 18:32 18:56 19:24 20:03 20:27 20:59 21:31 21:58



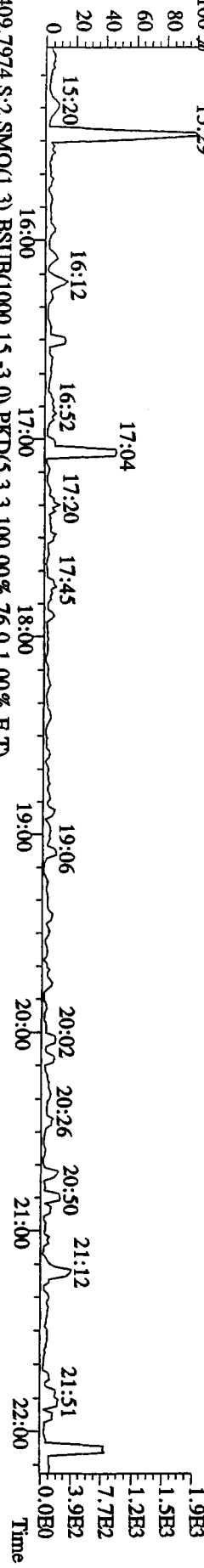
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)
 16:00 17:00 18:00 19:00 20:00 21:00 22:00



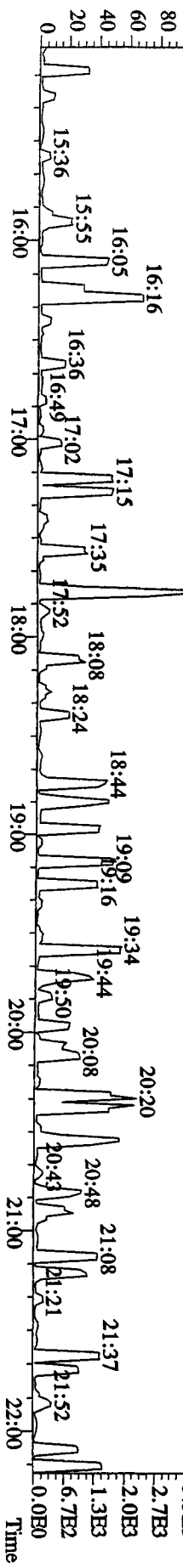
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)
 16:00 17:00 18:00 19:00 20:00 21:00 22:00



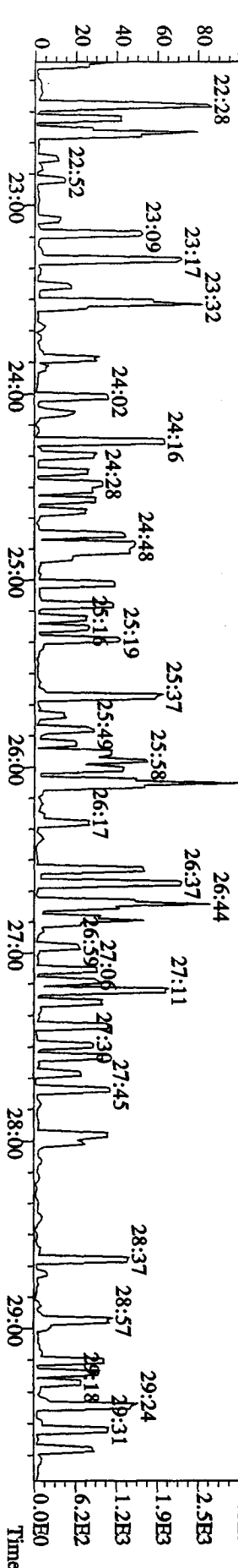
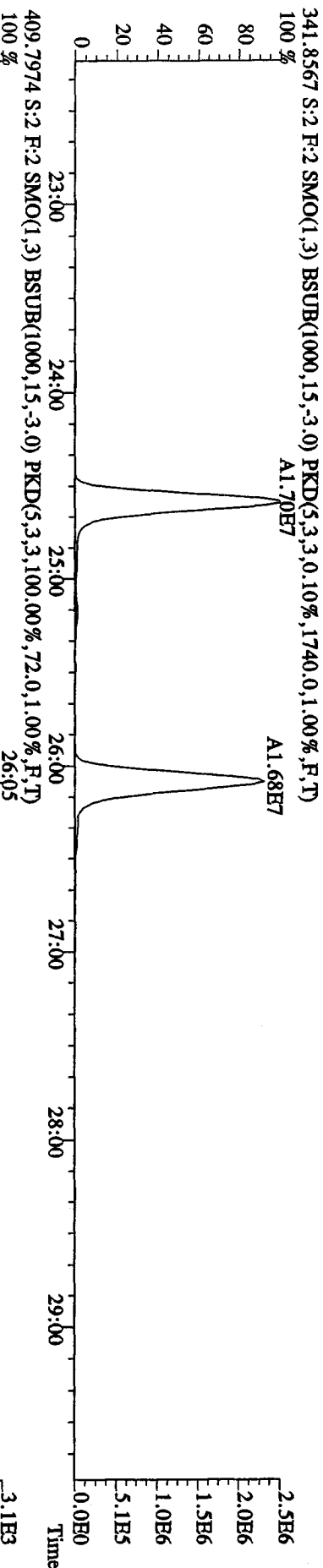
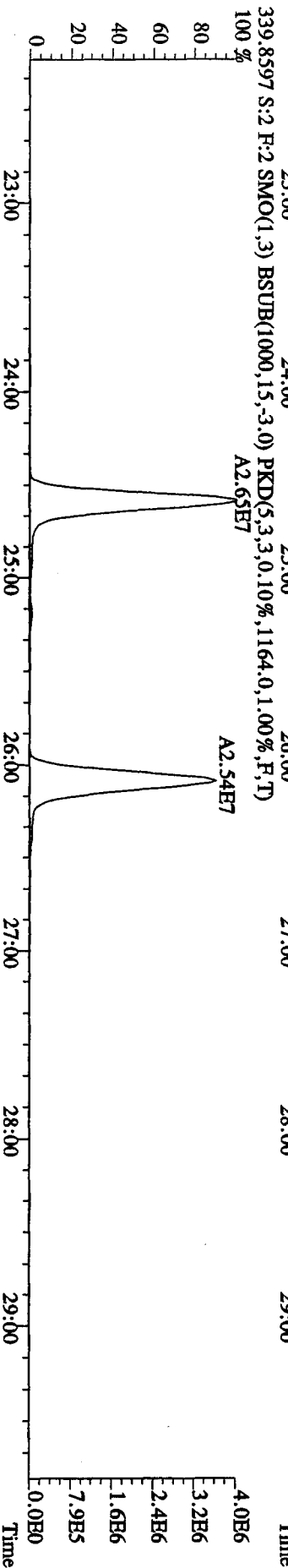
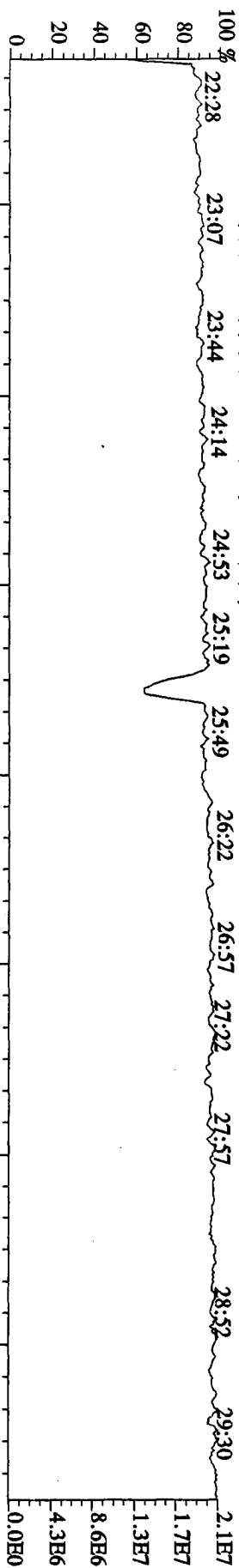
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)
 15:29 16:00 17:00 18:00 19:00 20:00 21:00 22:00

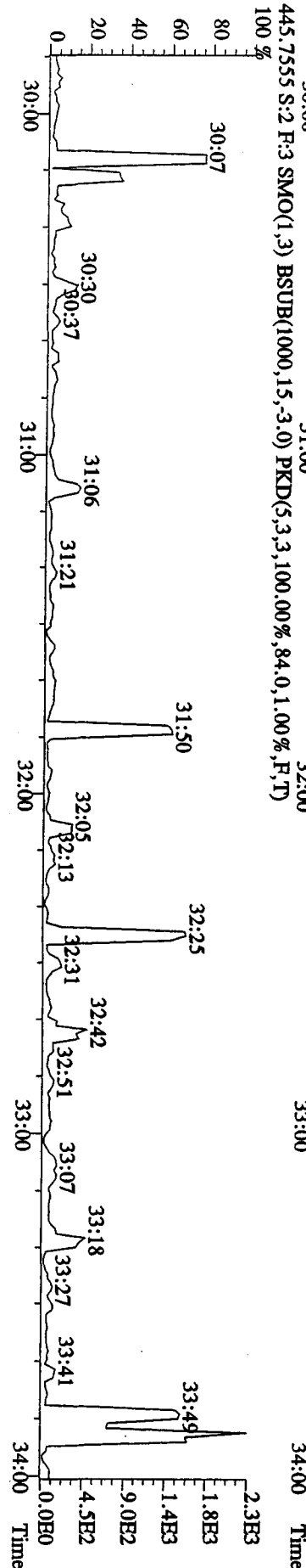
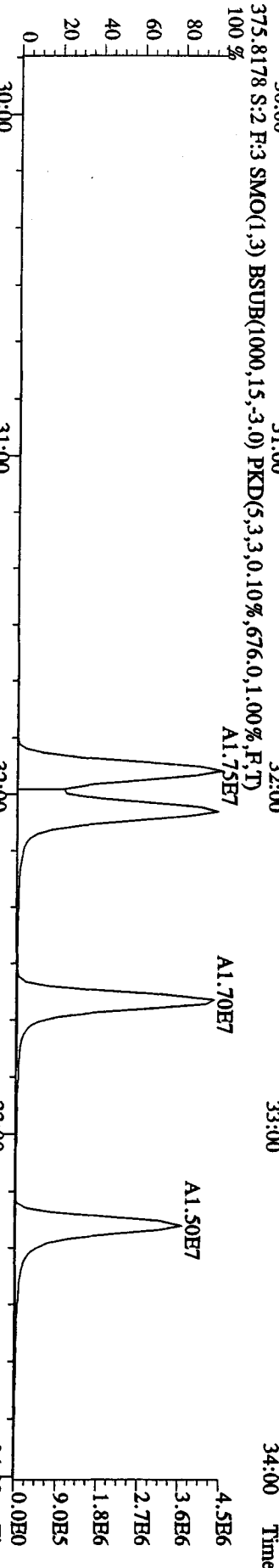
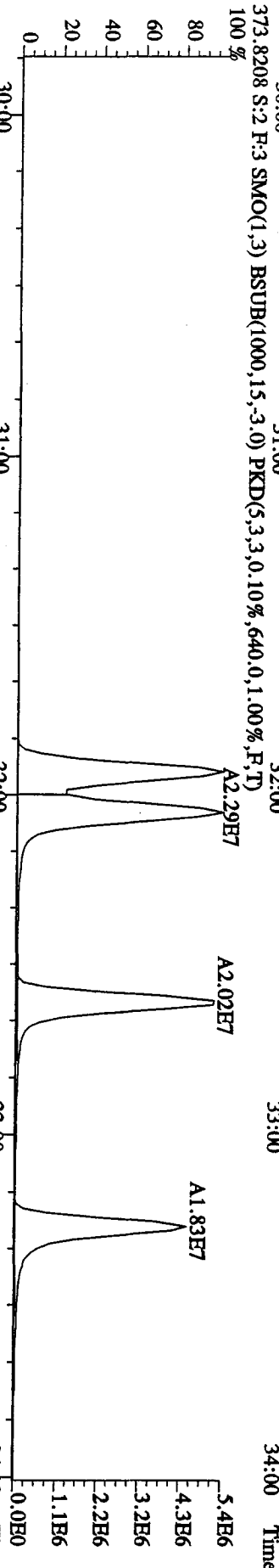
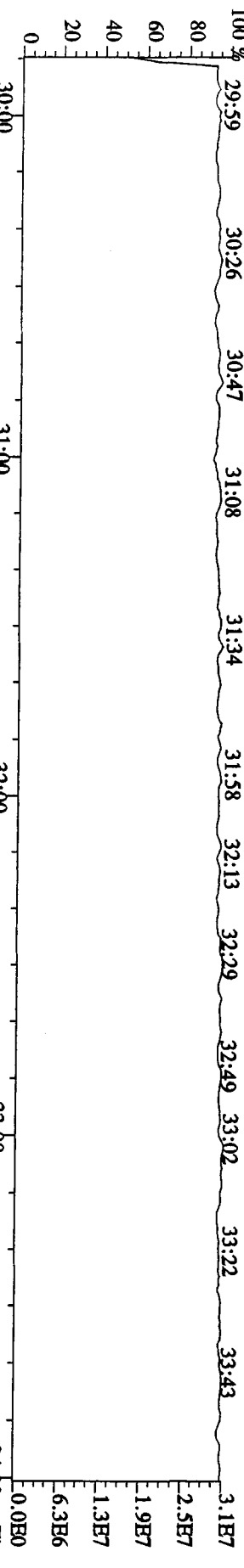


409.7974 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,76.0,1.00%,F,T)
 15:36 16:00 17:00 18:00 19:00 20:00 21:00 22:00



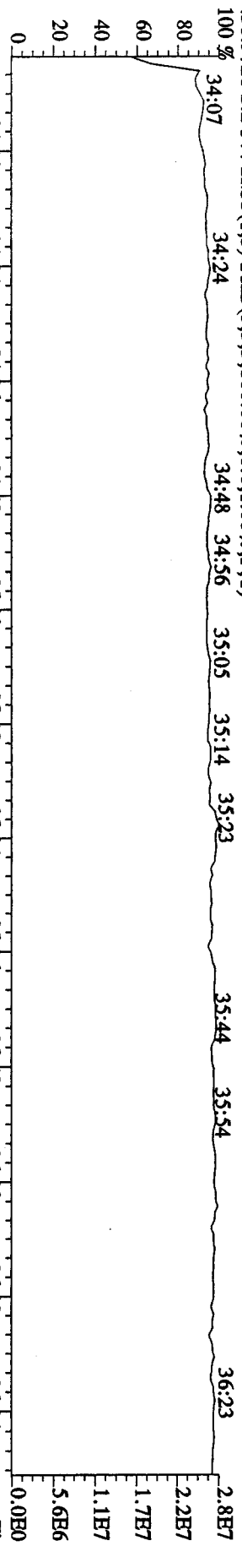
File:30AP104D5 #1-604 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRSS8290A



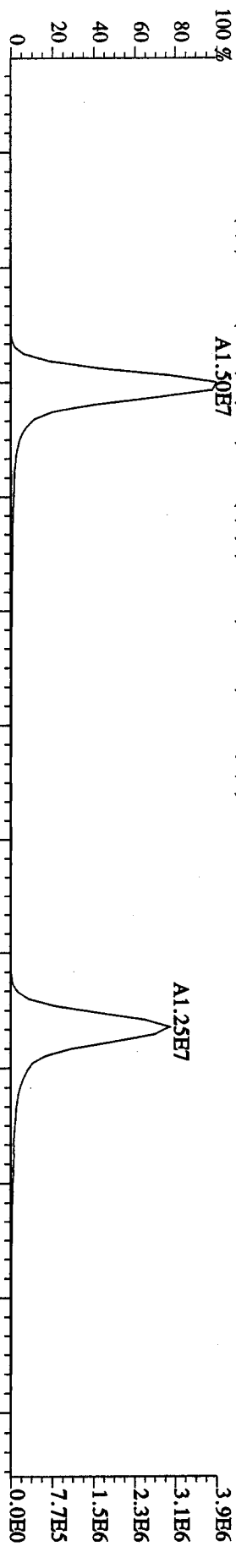


File:30AP104D5 #1-198 Acq:30-APR-2010 09:02:22 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0430 :CS3 10DXN083 Exp:DIOXINRES8290A

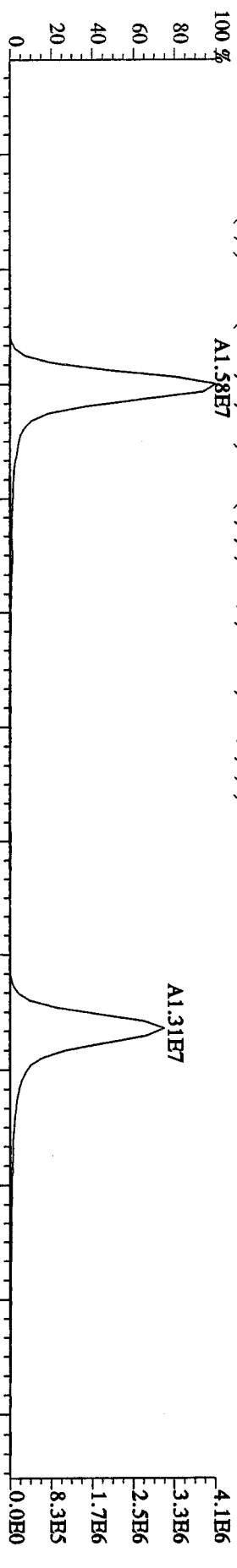
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



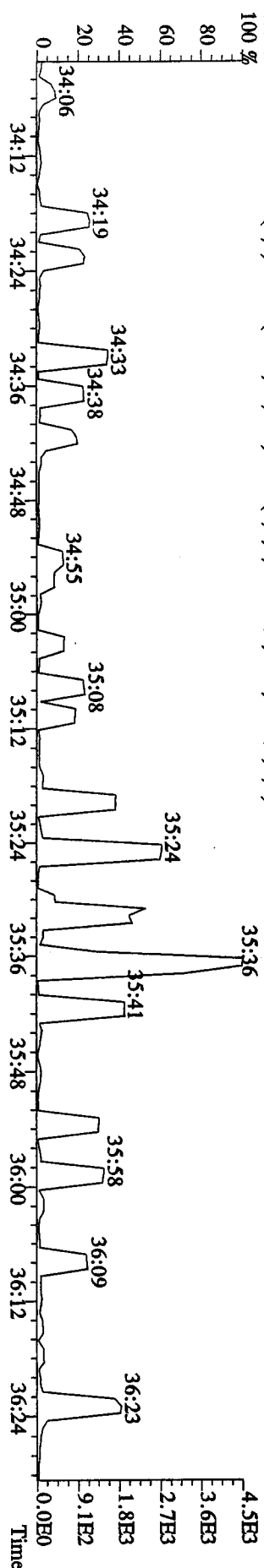
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5300,0,1.00%,F,T)

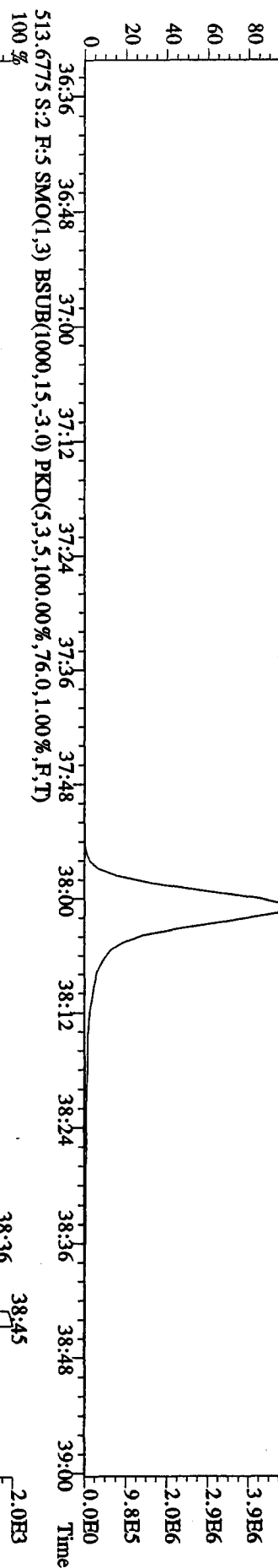
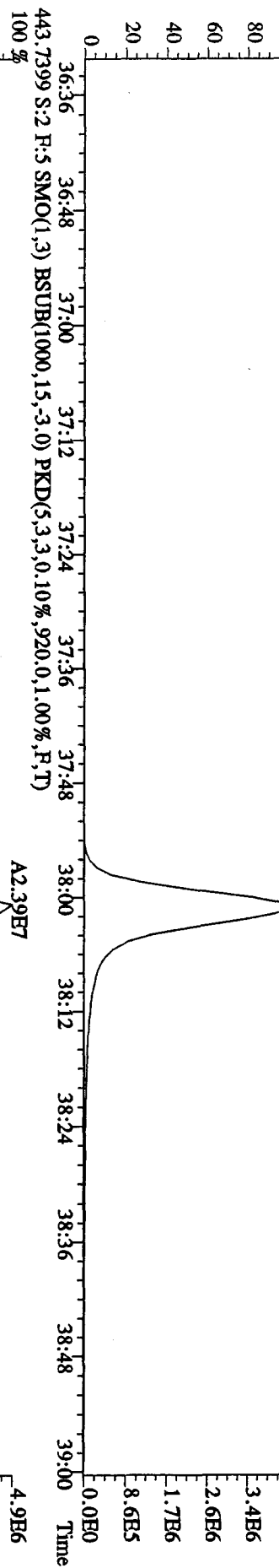
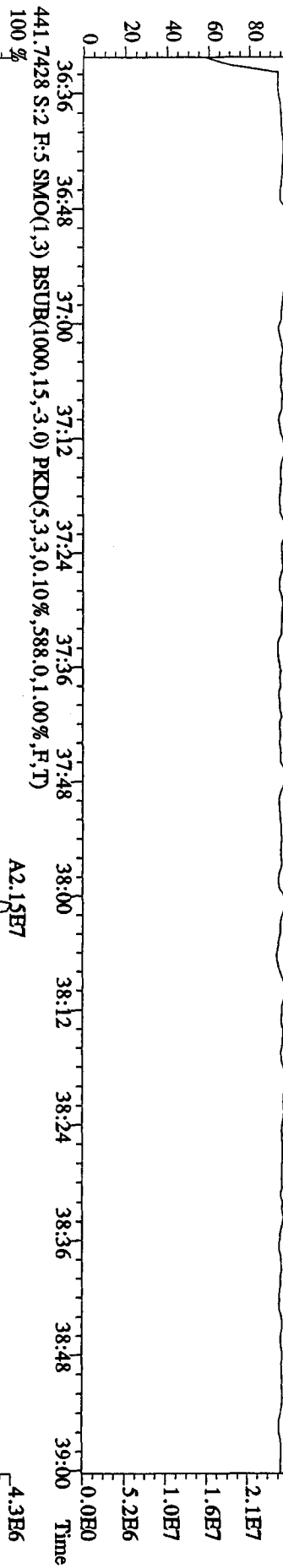


409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9076,0,1.00%,F,T)

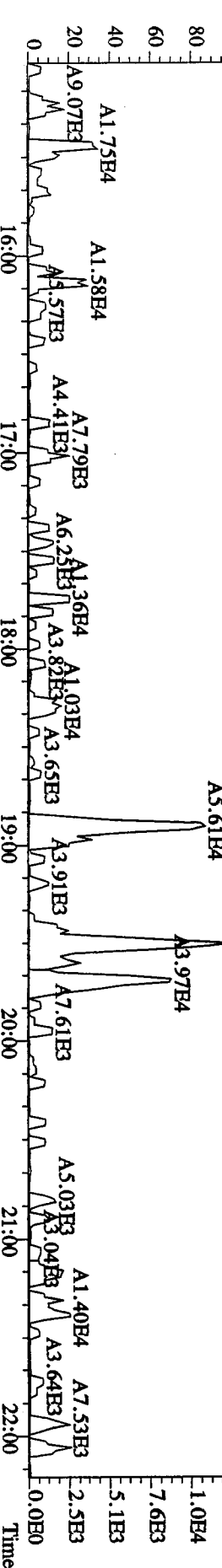
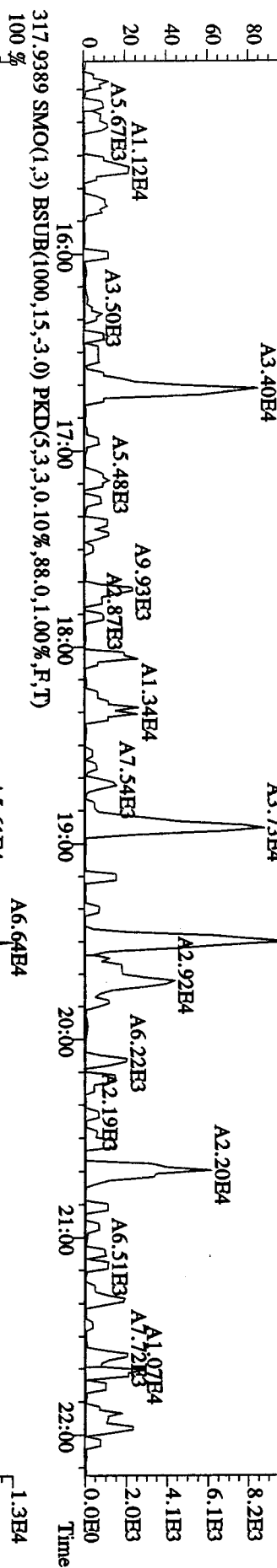
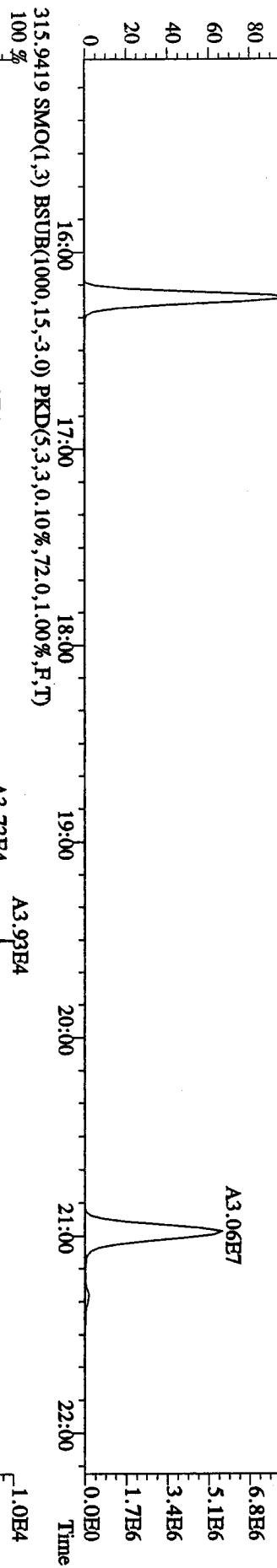
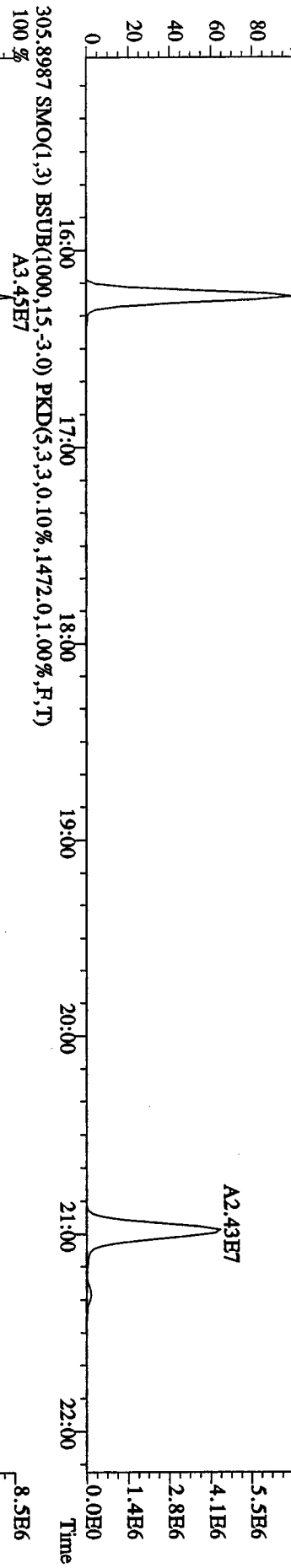


479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,64,0,1.00%,F,T)

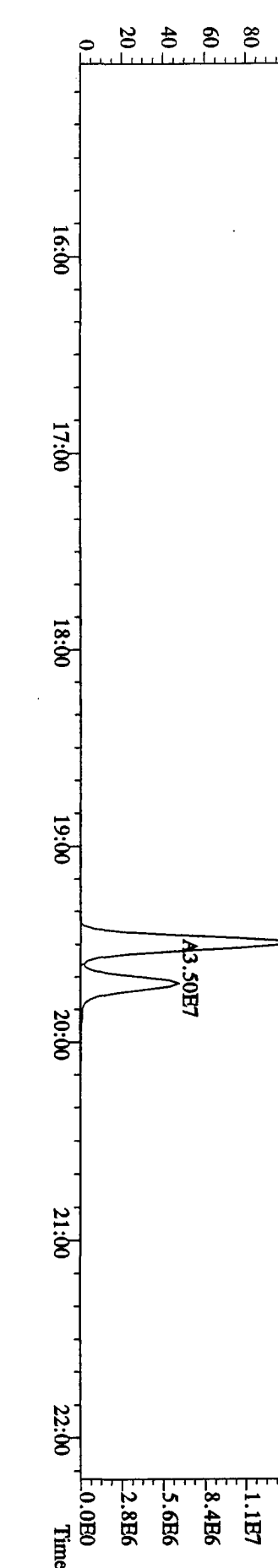
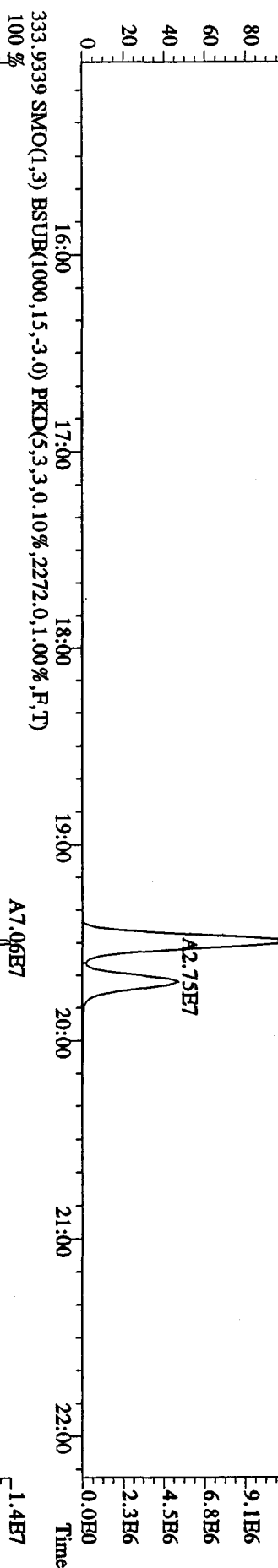
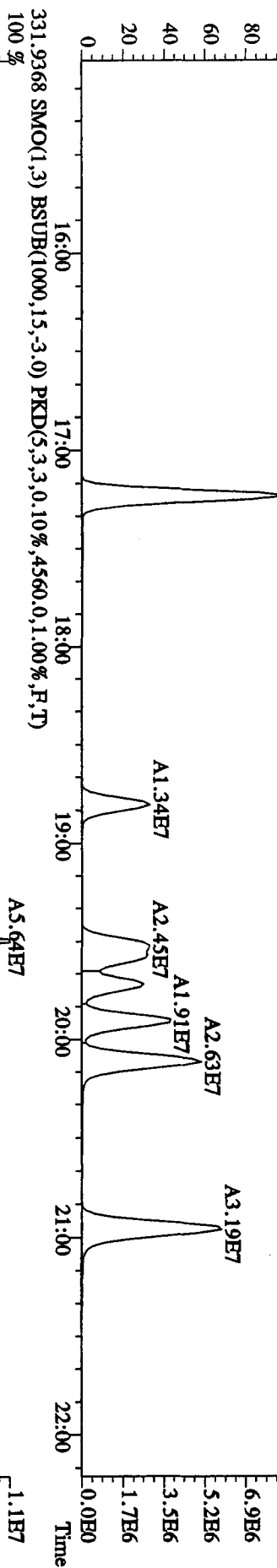
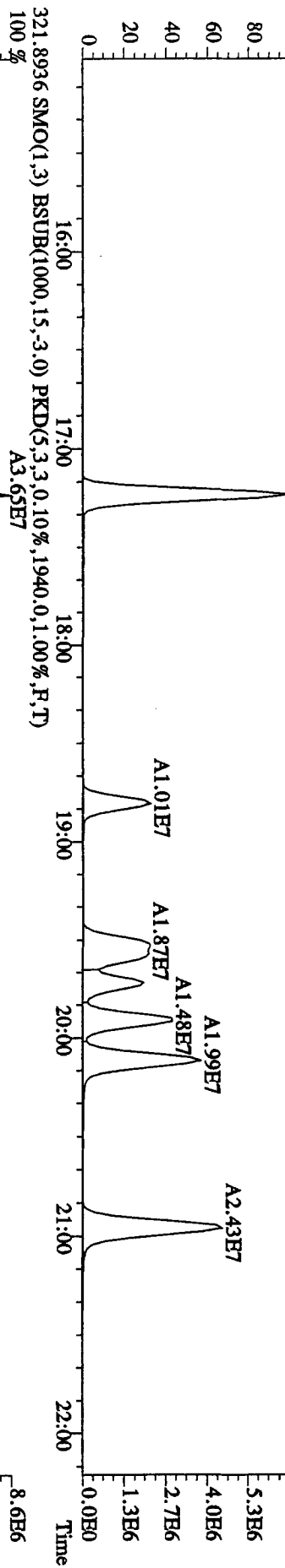




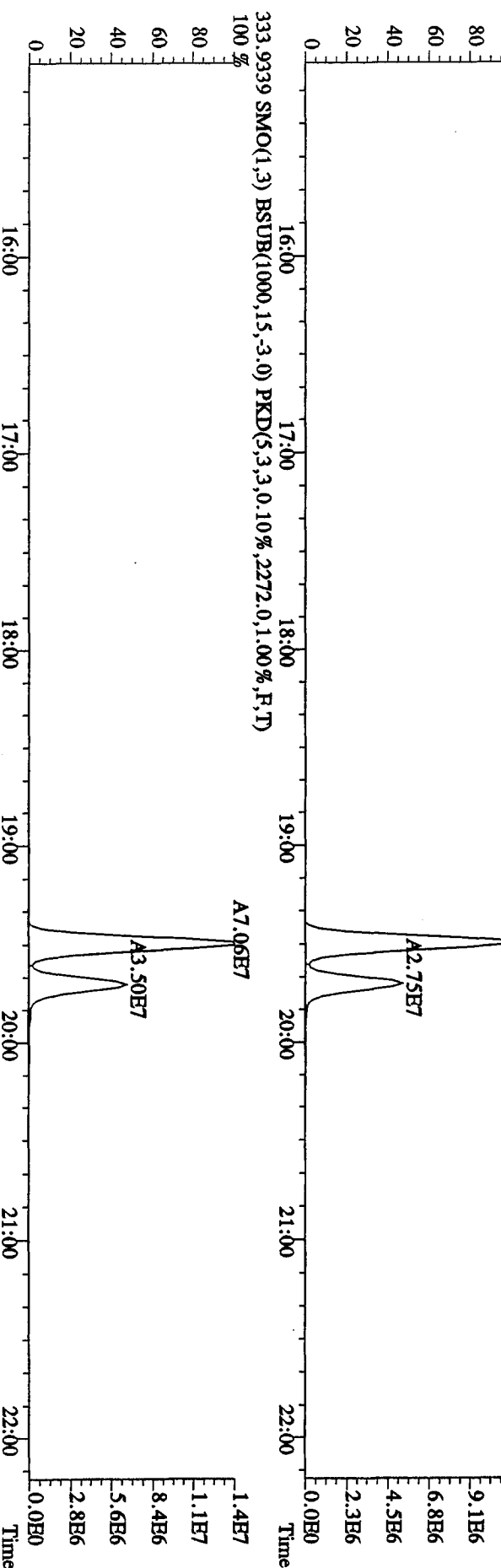
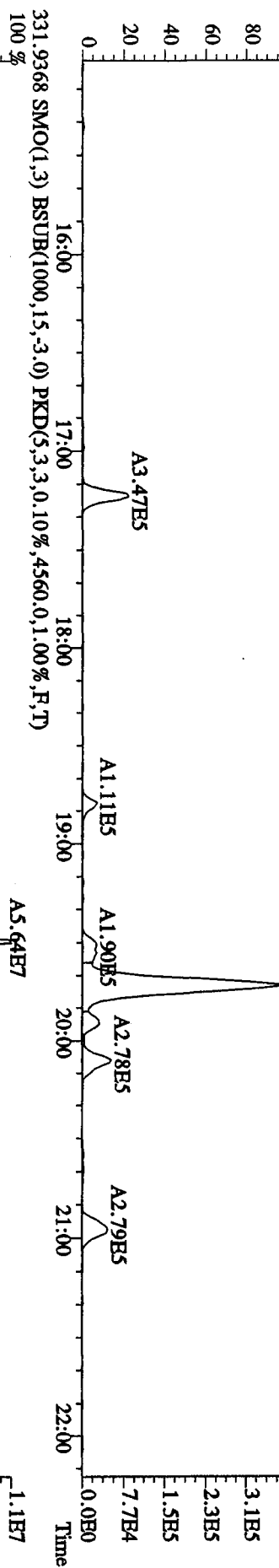
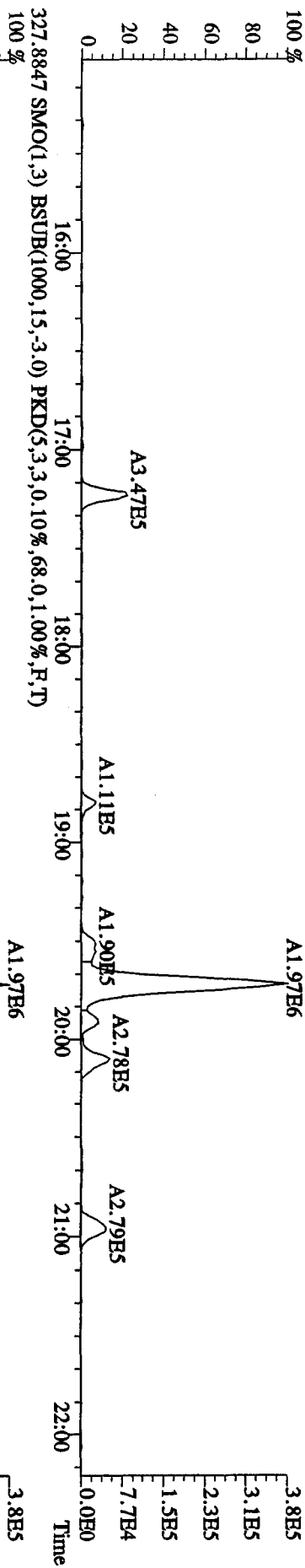
File:30AP104D5 #1-434 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0430 :DB-5 CP5M 3732-05 Exp.:DIOXINRES8290A
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,64,0,1,00%,F,T)
 A2.75E7



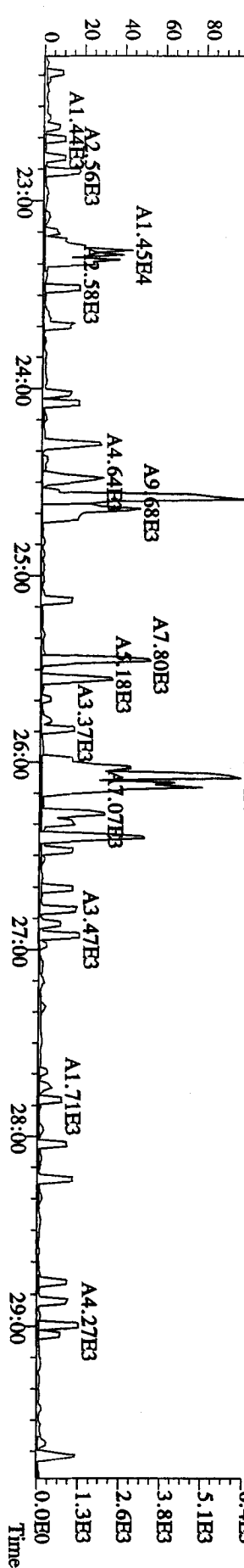
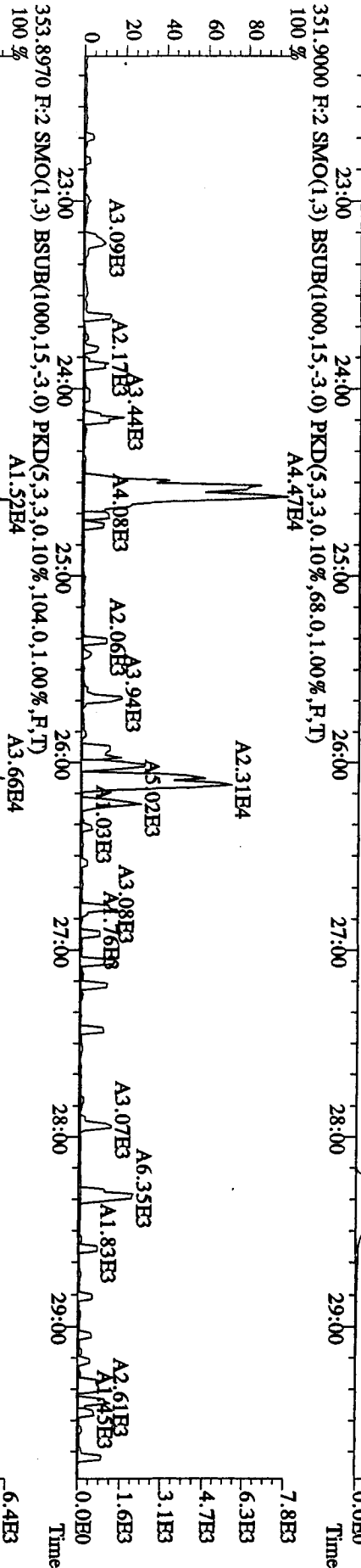
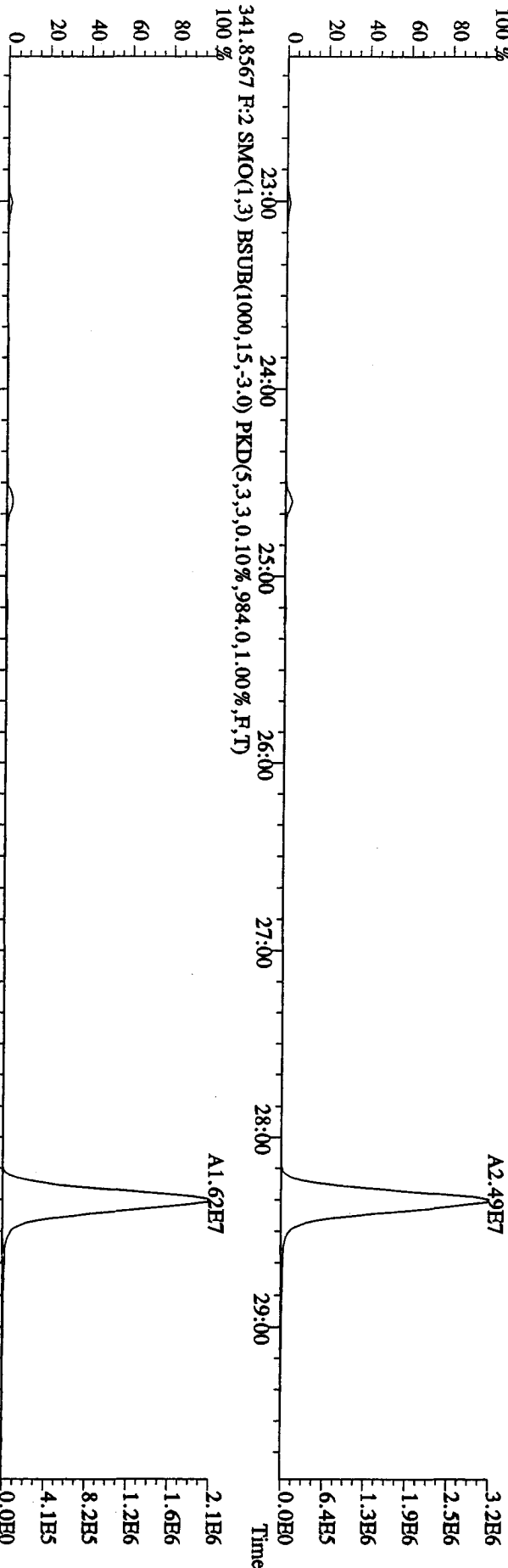
File:30AP104D5 #1-434 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2032.0,1.00%,F,T)
 100 % A2.82E7



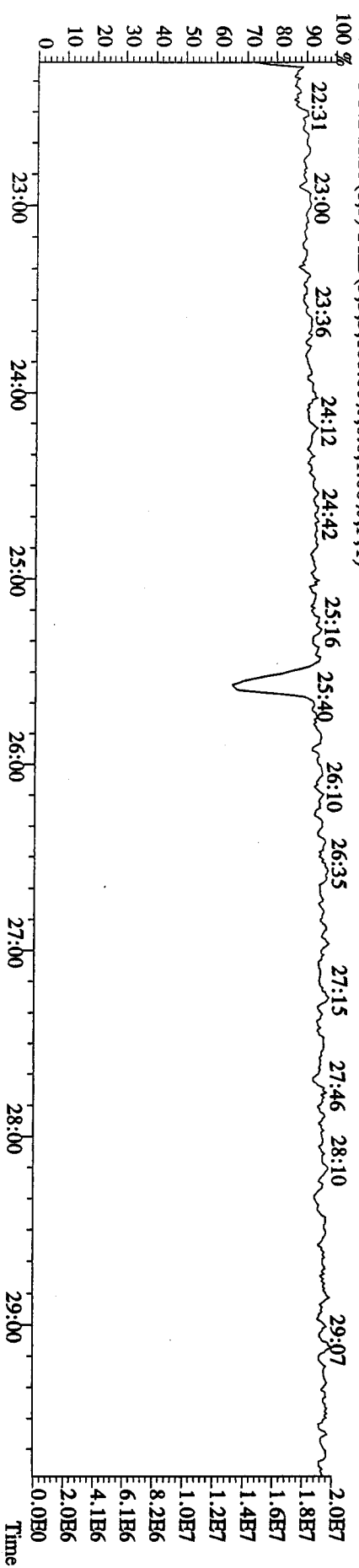
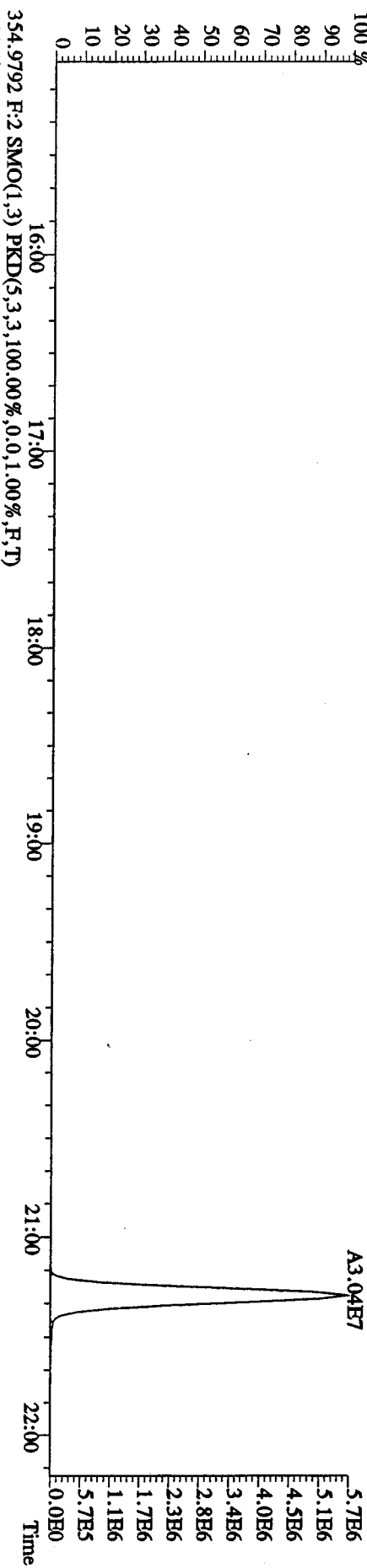
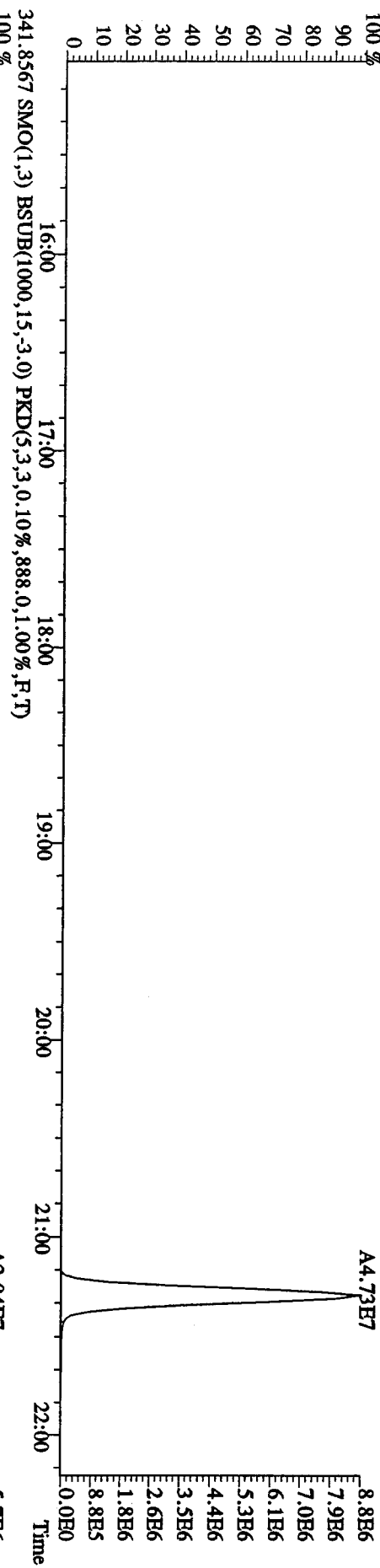
File: 30AP104D5 #1-434 Acq: 30-APR-2010 08:18:20 GC: EI+ Voltage: SIR Autospec-UltimaB
 Sample#1 Text: CP0430 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,68.0,1.00%,F,T)



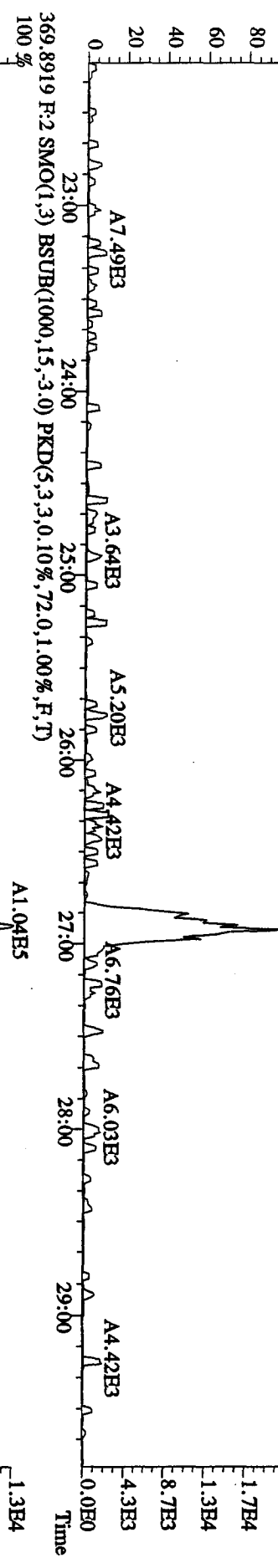
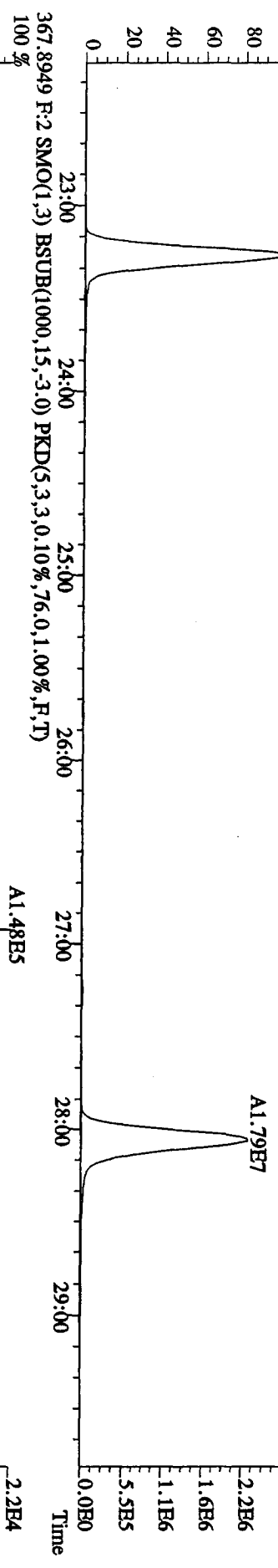
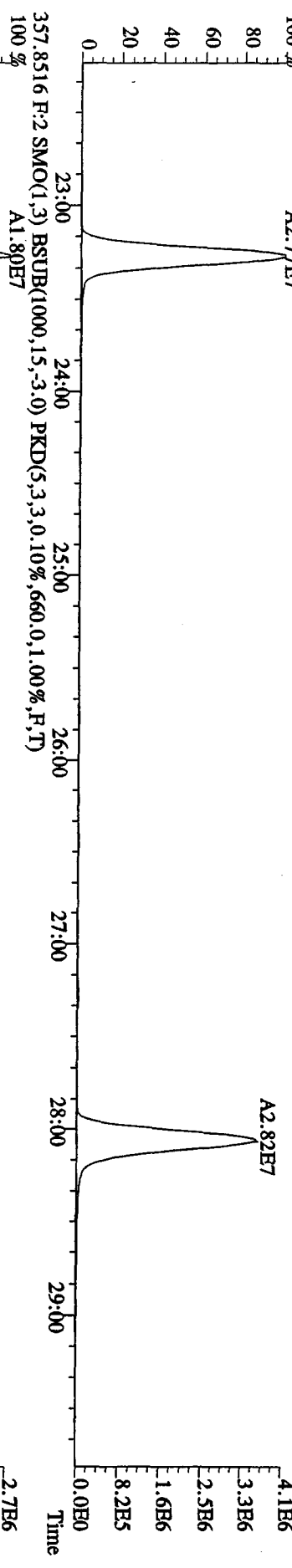
File:30API04D5 #1-605 Acq:30-APR-2010 08:18:20 GC:EI+ Voltage:50V Autospec-UltimaE
 Sample#1 Text:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1096,0.1,0.0%,F,T)
 100%



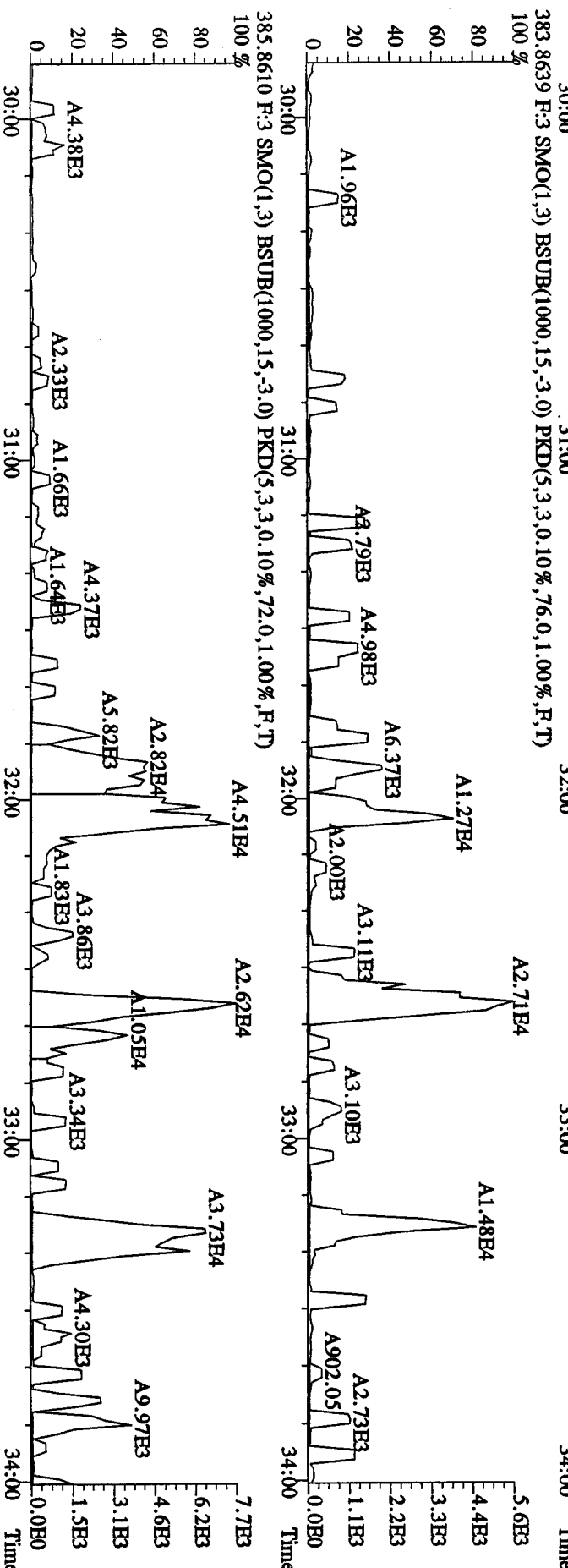
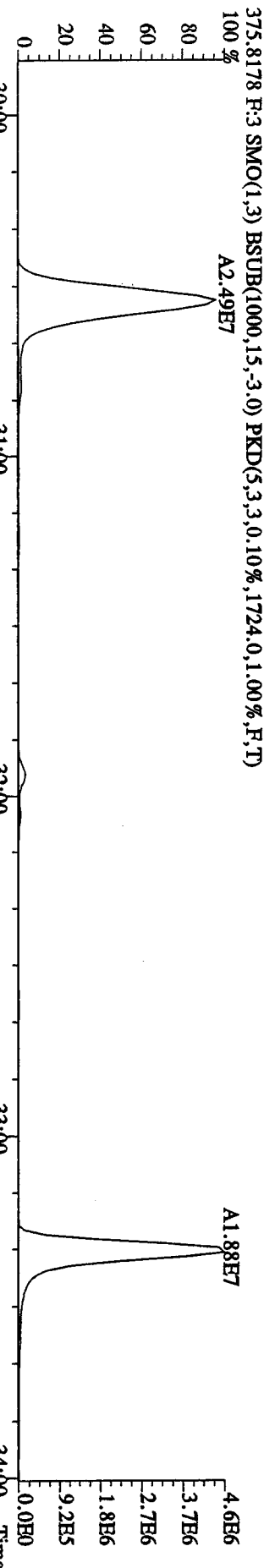
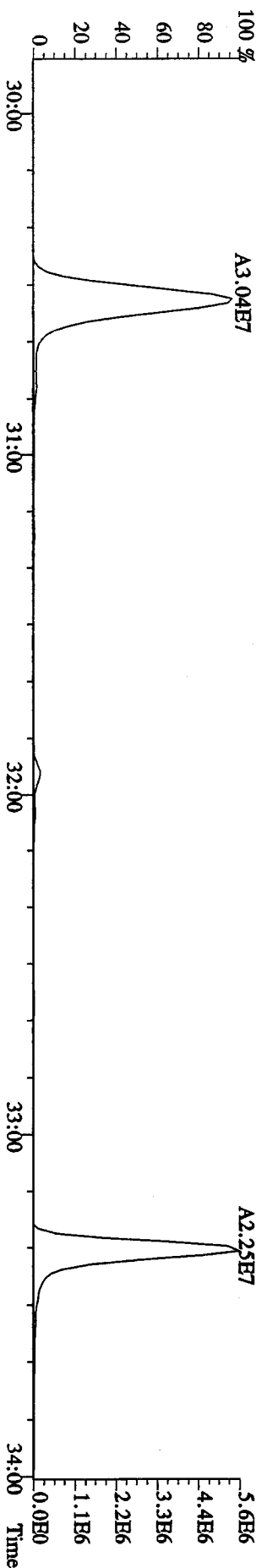
File:30AP104D5 #1-434 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:CP0430 :DB-5 CFSM 3732-05 Exp:DIOXINRES8290A
 339.8597 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



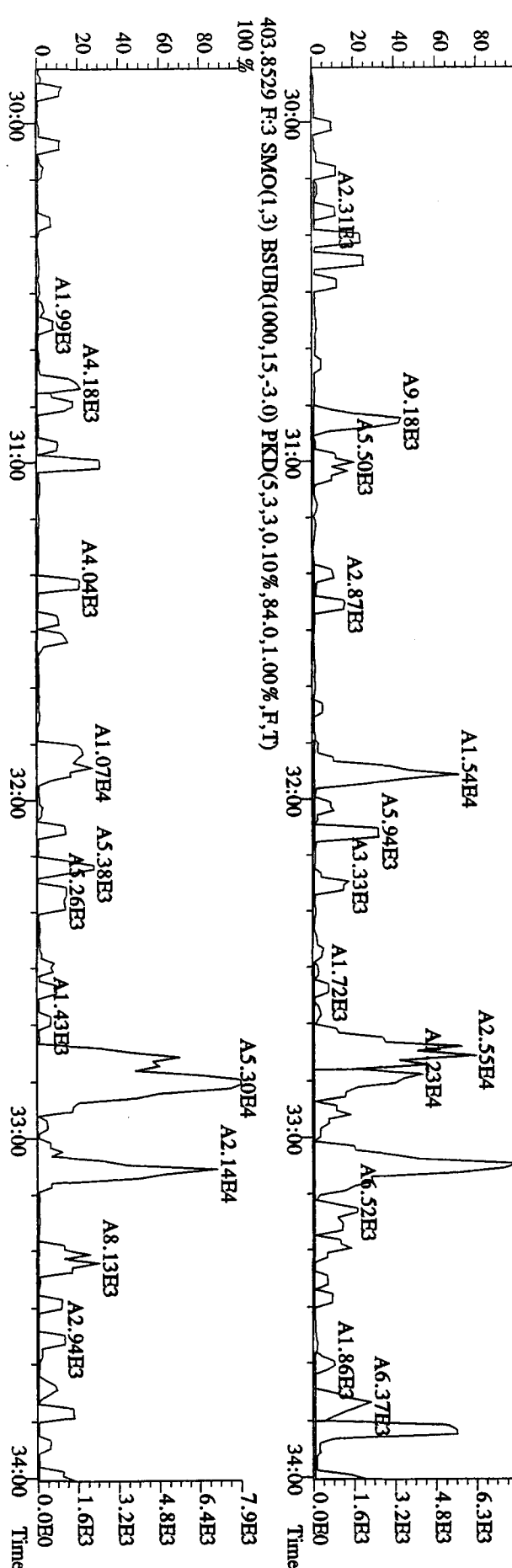
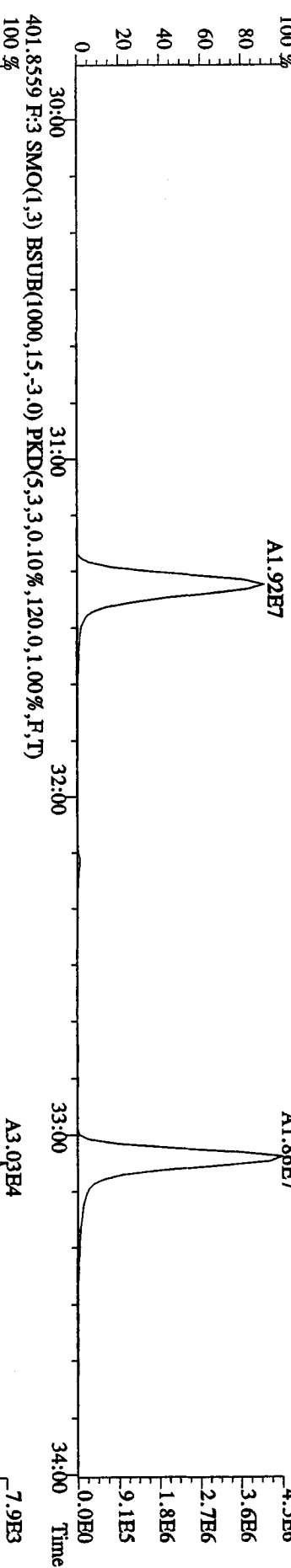
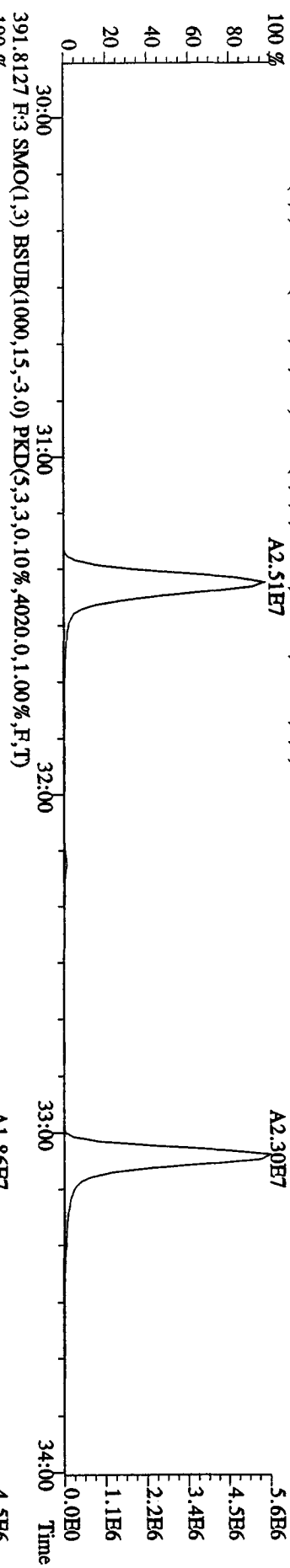
File:30API04D5 #1-605 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-UltimatE
 Sample#1 Text:CP0430 :DB-5 CFSM 3732-05 Exp:DIOXINRES8290A
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2128,0,1.00%,F,T)



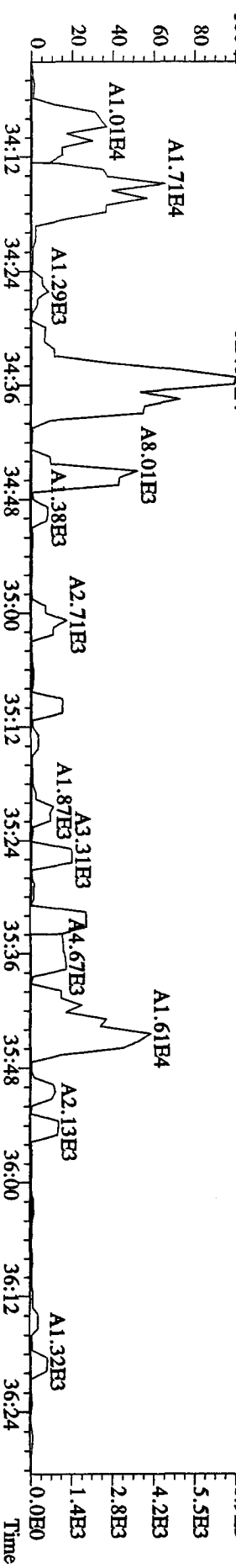
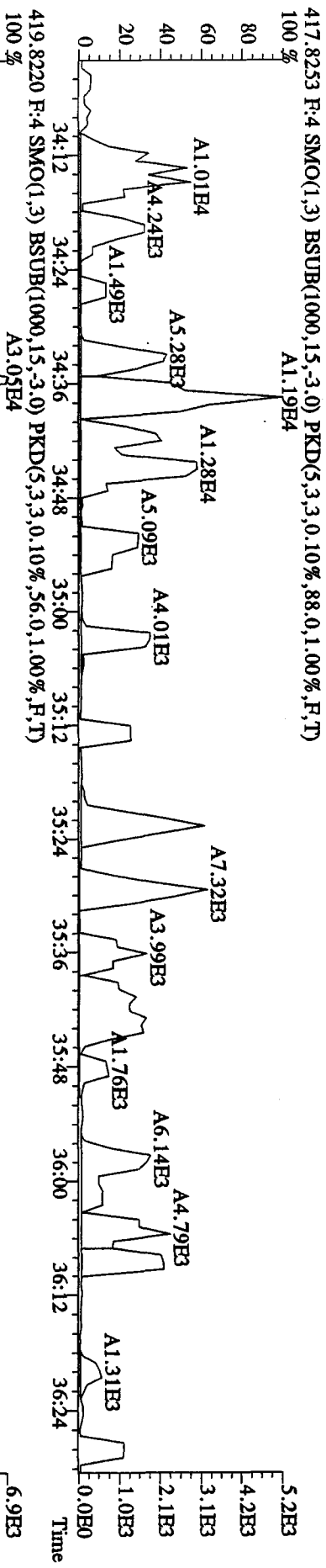
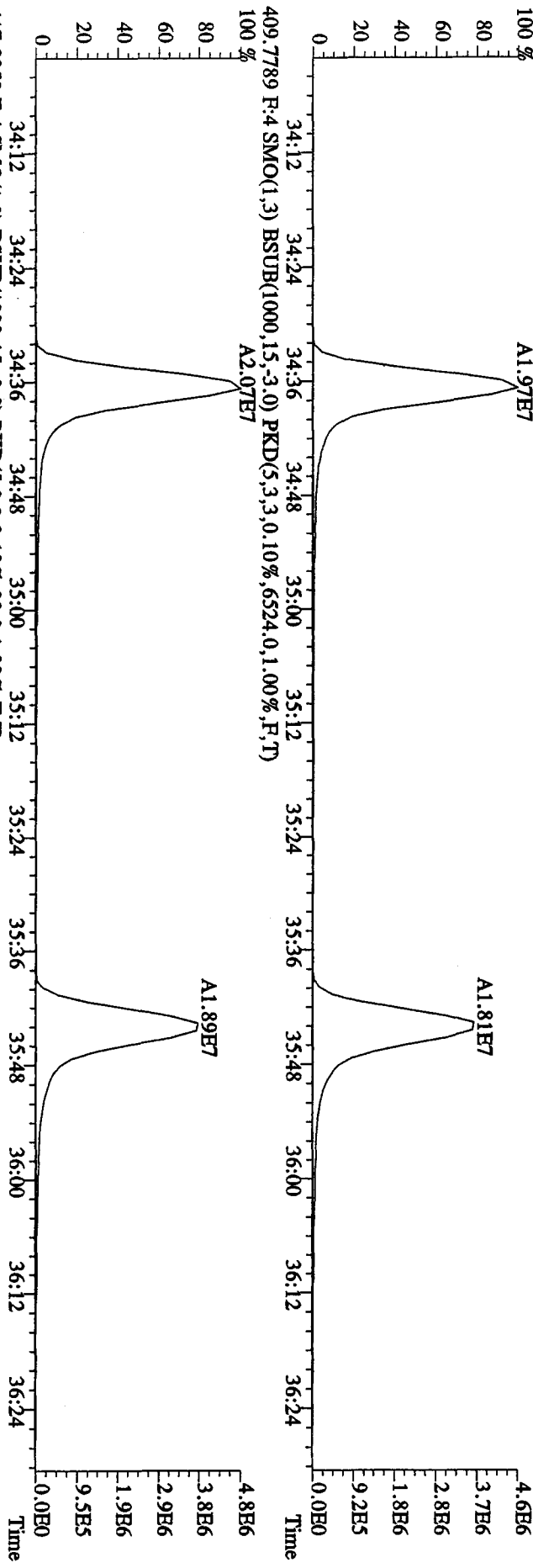
File:30AP104D5 #1-316 Acq:30-APR-2010 08:18:20 GC EI + Voltage SIR Autospec-UtimaB
 Sample#1 Text:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4180.0,1.00%,F,T)



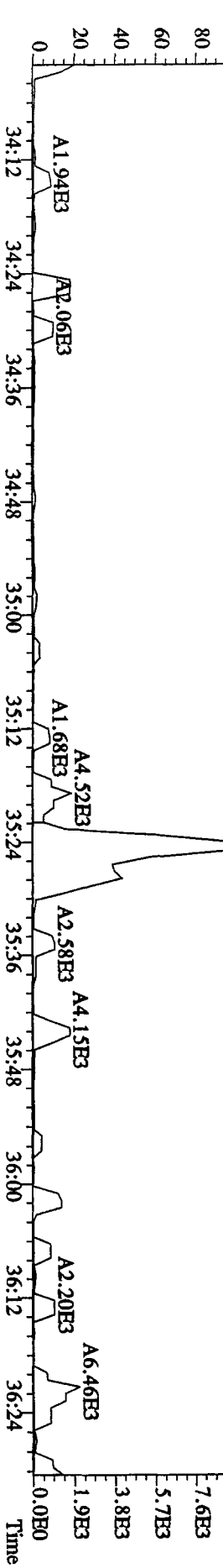
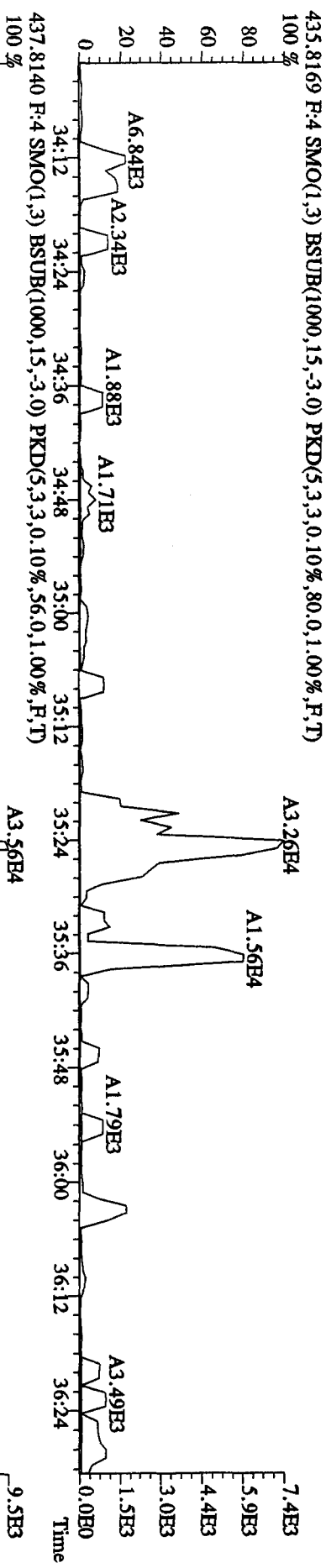
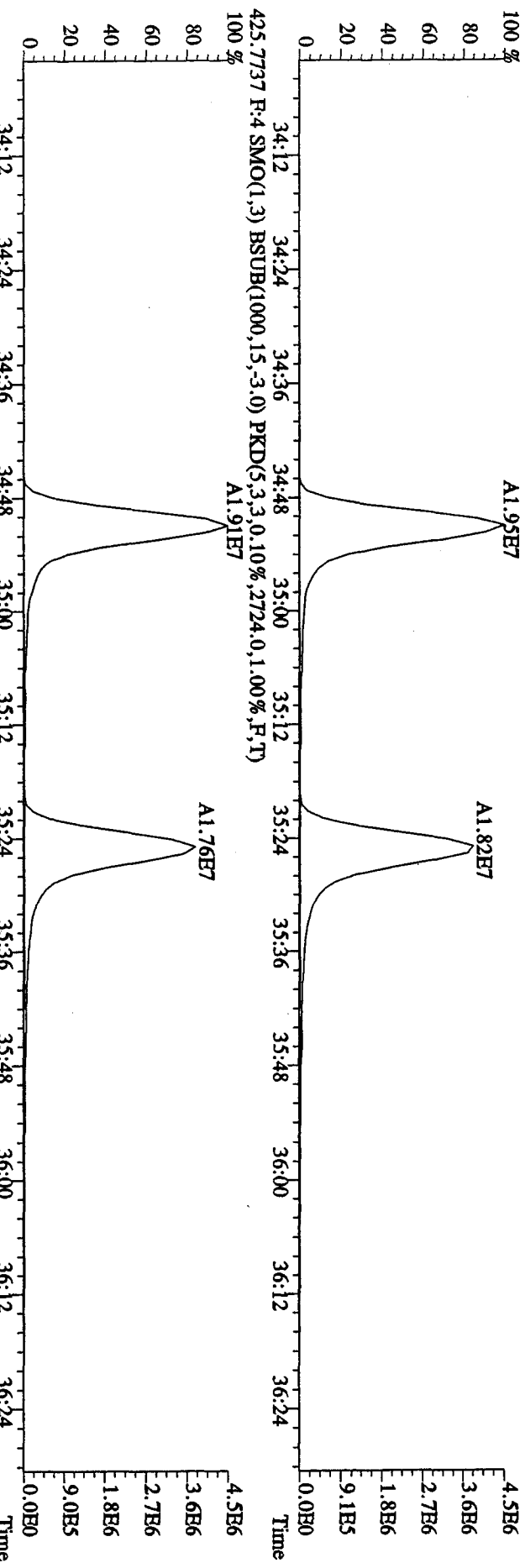
File:30AP104D5 #1-316 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-UltimatE
 Sample#1 Text:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3016,0.1,00%,F,T)
 100% A2.51E7



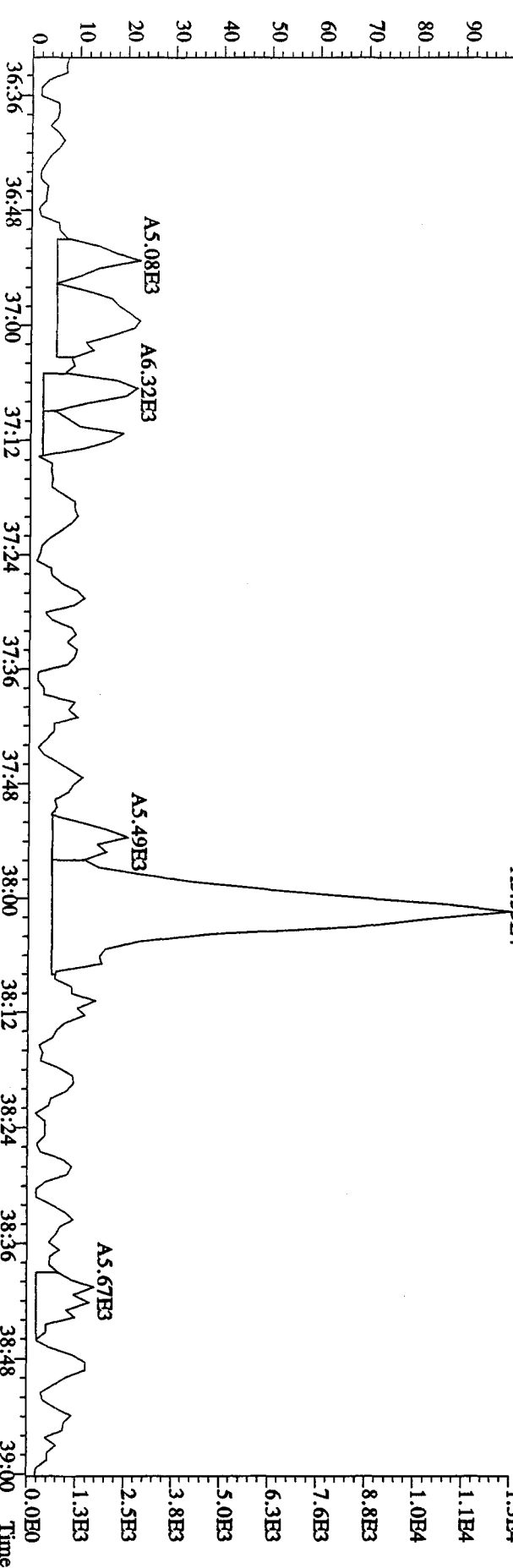
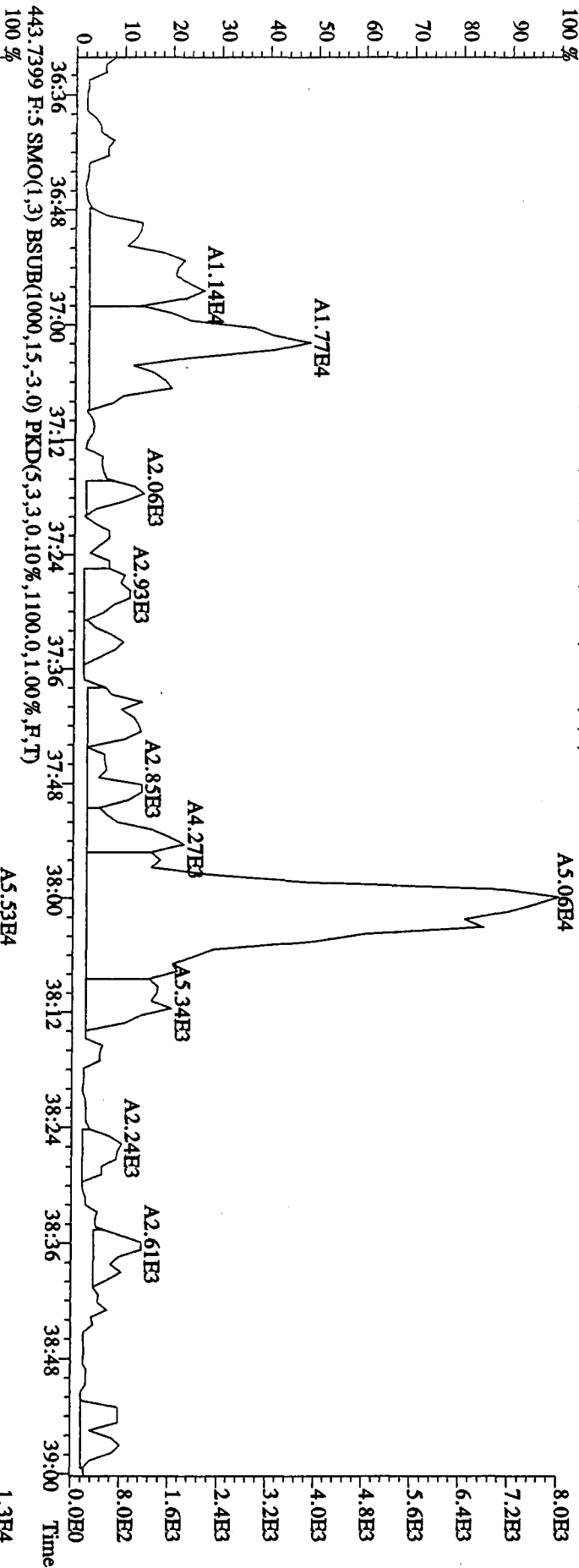
File:30AP104D5 #1-198 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Tex:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10496,0,1,00%,F,T)
 100% A1.97E7



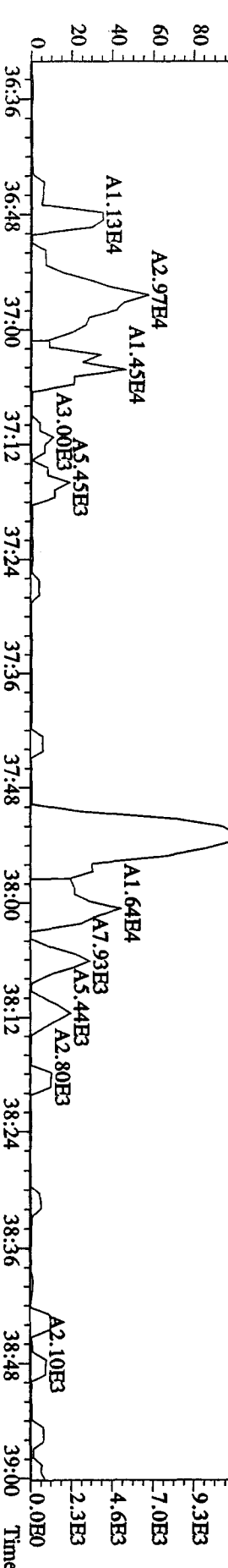
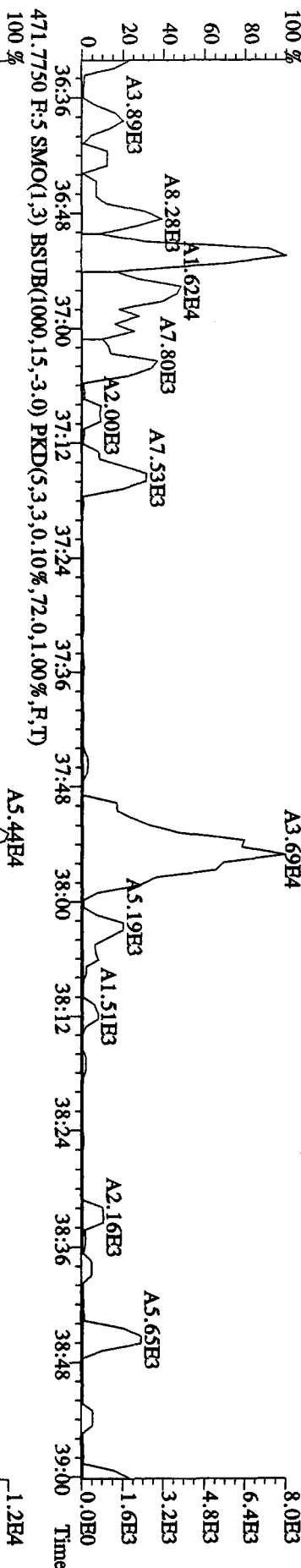
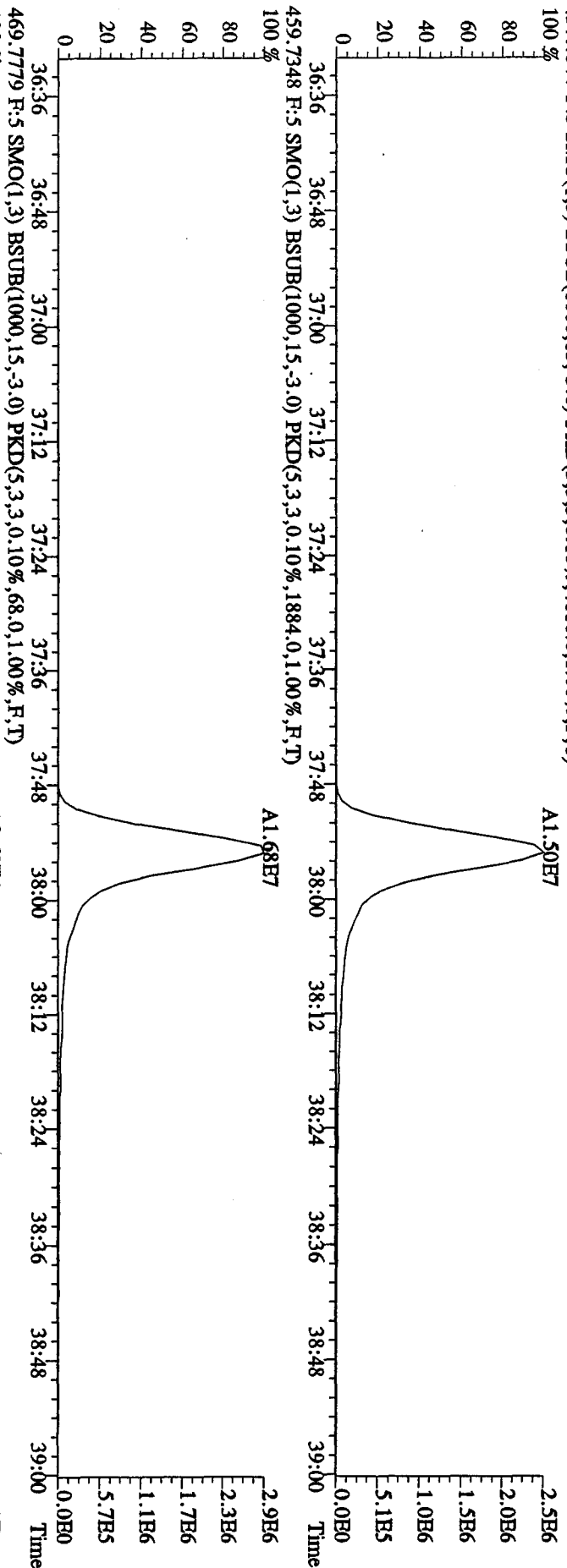
File:30AP104D5 #1-198 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T) A1.95E7
 100%



File:30AP104D5 #1-190 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,508.0,1.00%,F,T)
 100%

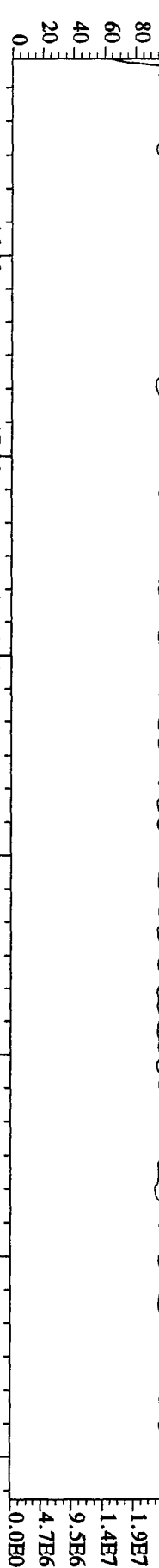


File:30AP104D5 #1-190 Acq:30-APR-2010 08:18:20 GC FI+ Voltage SIR Autospec-UltraM
 Sample#1 Text:CP0430 :DB-5-CPMS 3732-05 Exp:DIOXINRES8290A
 459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4116,0.1,0.0%,F,T)
 100%

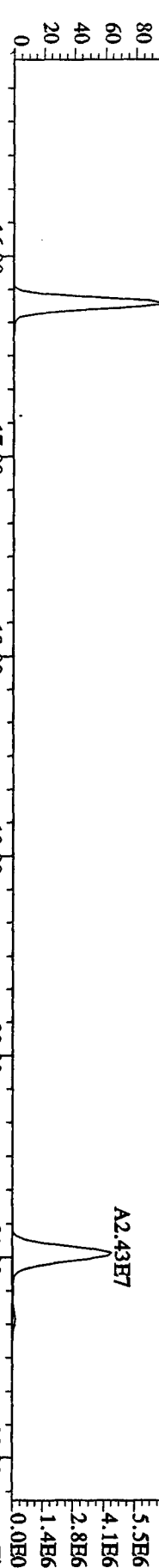


File:30AP104D5 #1-434 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0430 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A

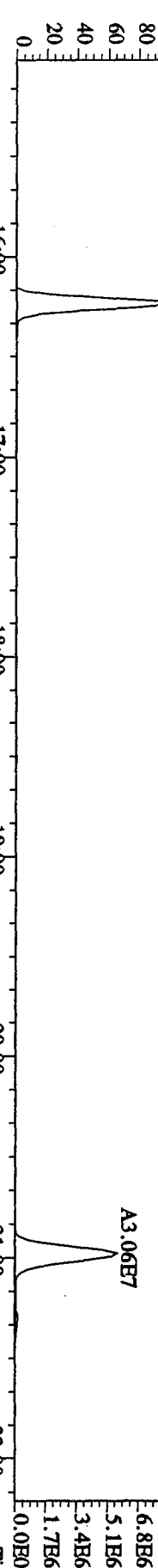
354.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 100% 15:15 15:38 16:12 16:44 17:08 17:30 18:06 18:36 19:20 19:49 20:15 20:46 21:08 21:33 22:04 2:4E7



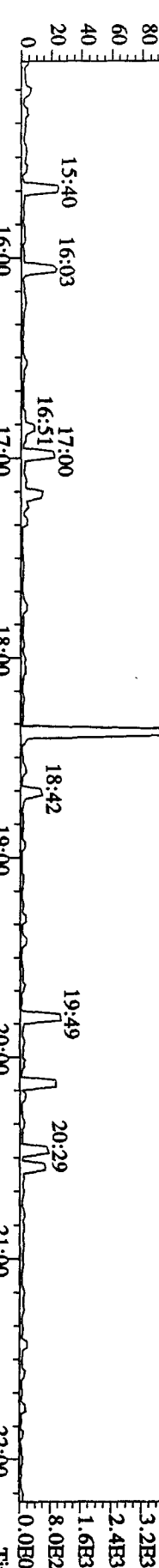
303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,64.0,1.00%,F,T) 100% 16:00 16:12 16:44 17:00 17:30 18:00 18:30 19:00 19:30 20:00 20:30 21:00 21:30 22:00 6:9B6



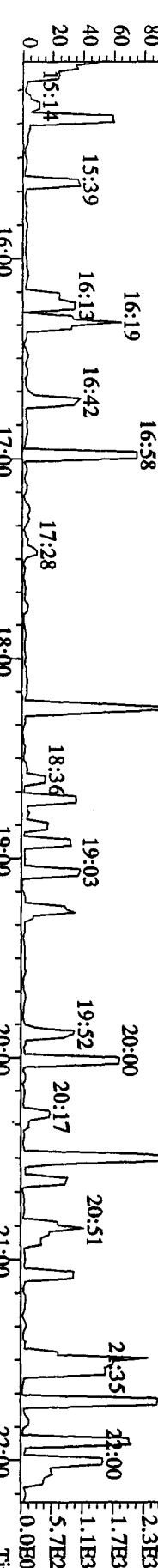
305.8987 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1472.0,1.00%,F,T) 100% 16:00 16:12 16:44 17:00 17:30 18:00 18:30 19:00 19:30 20:00 20:30 21:00 21:30 22:00 5:5B6



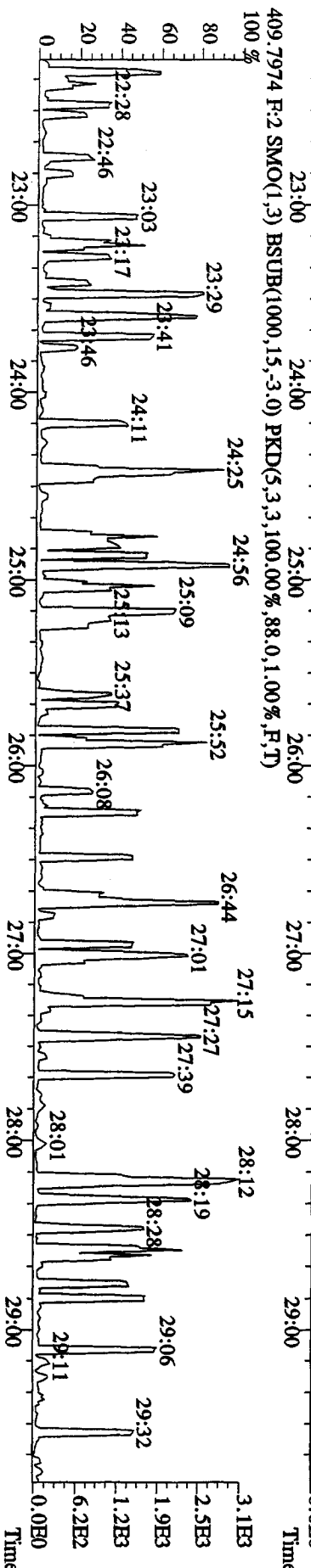
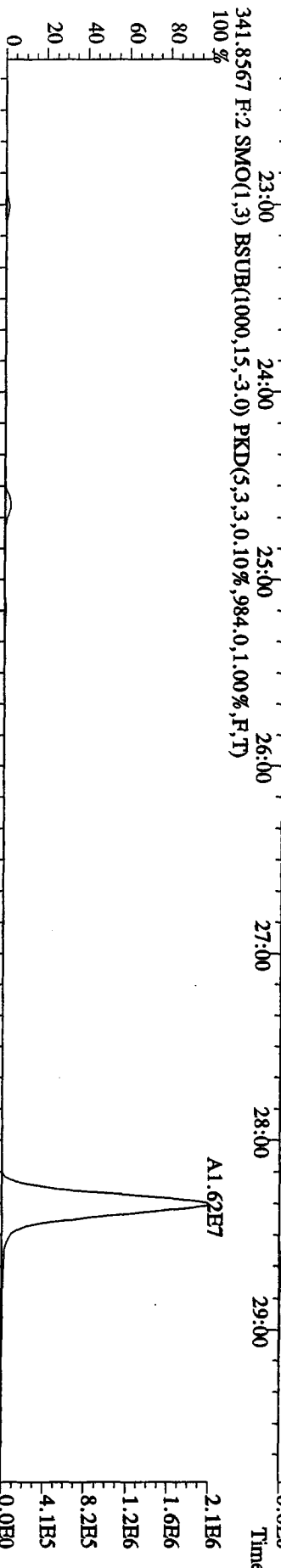
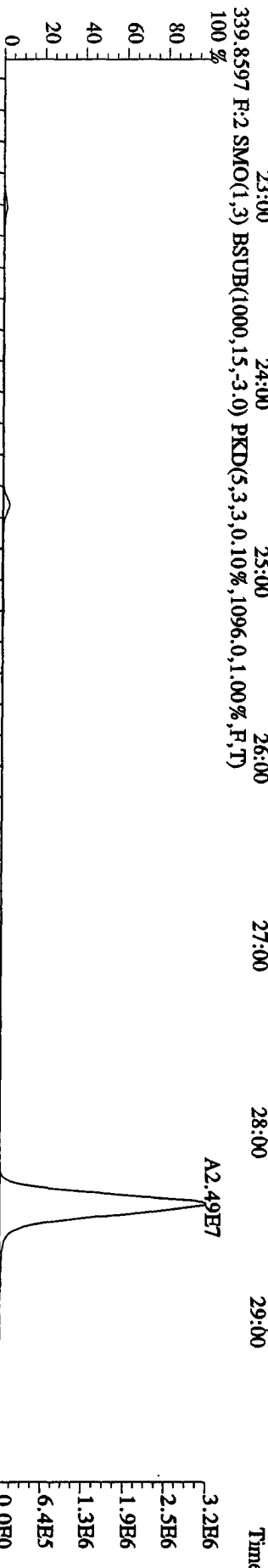
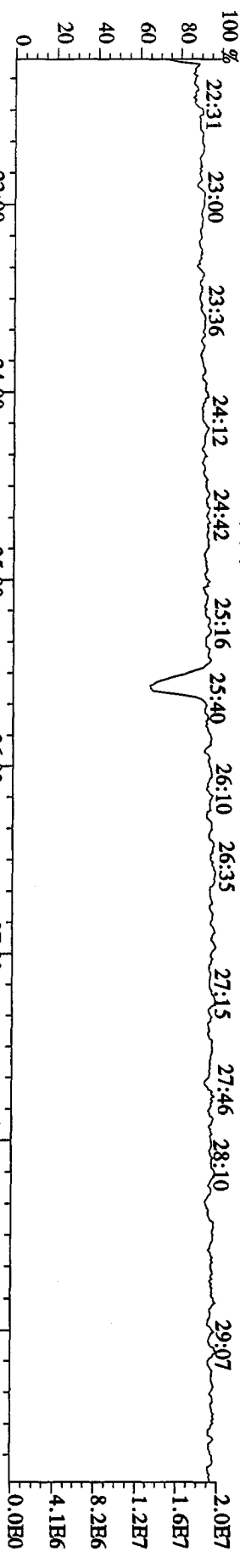
375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,80.0,1.00%,F,T) 100% 16:00 16:12 16:44 17:00 17:30 18:00 18:30 19:00 19:30 20:00 20:30 21:00 21:30 22:00 4:0E3



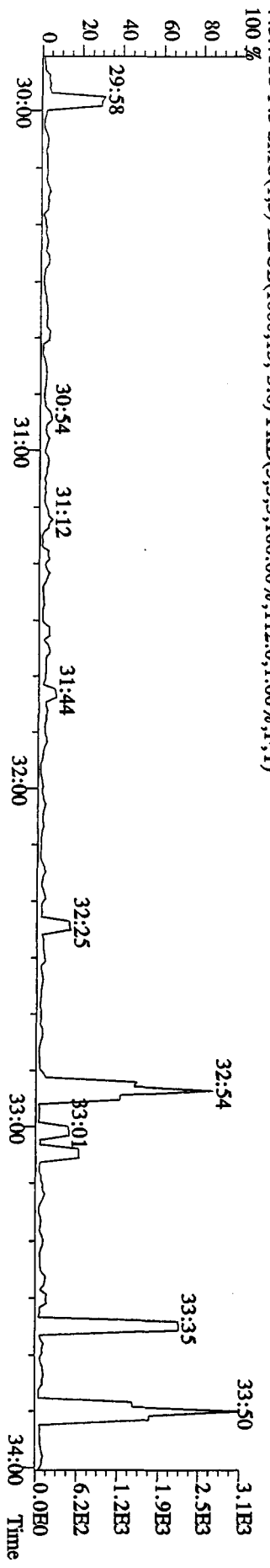
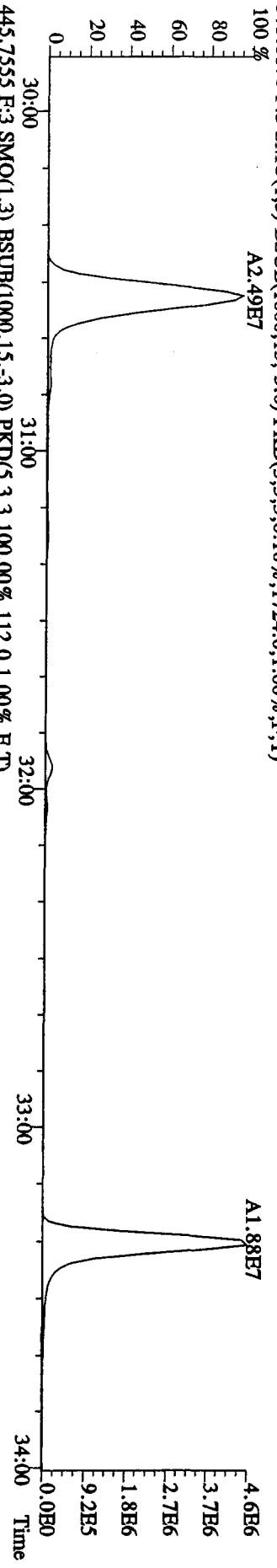
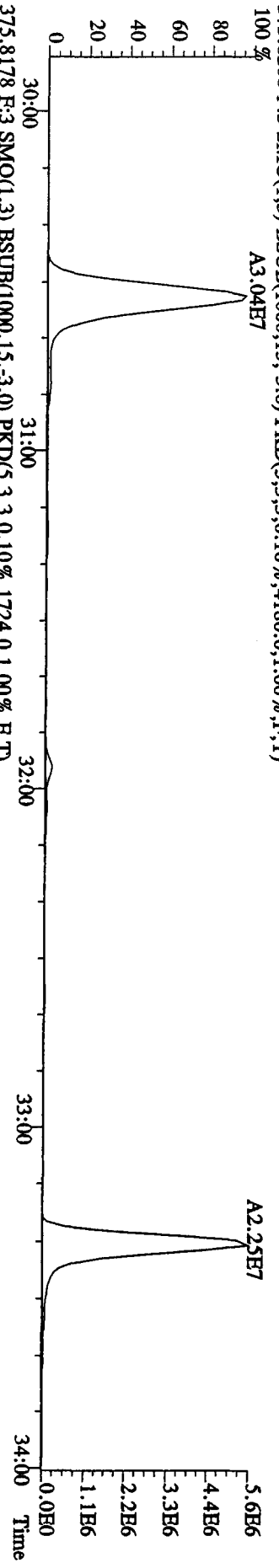
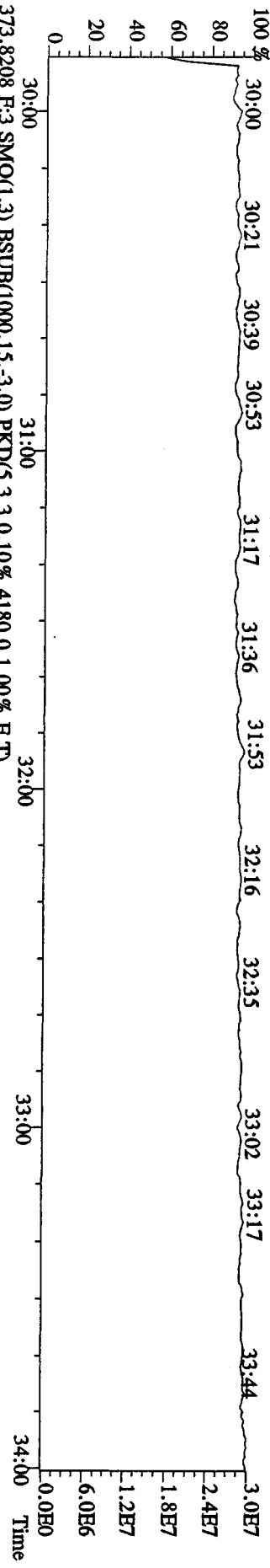
409.7974 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,80.0,1.00%,F,T) 100% 16:00 16:12 16:44 17:00 17:30 18:00 18:30 19:00 19:30 20:00 20:30 21:00 21:30 22:00 3:2E3

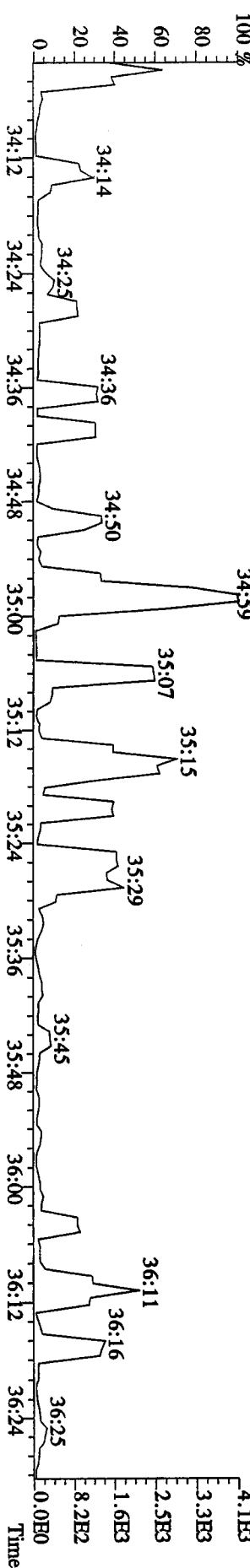
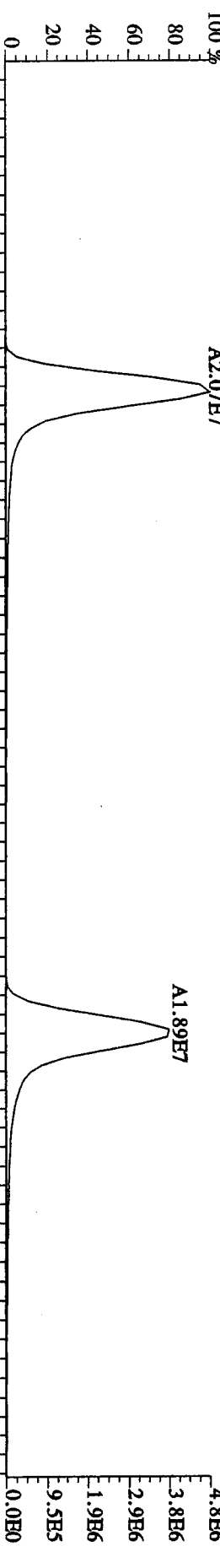
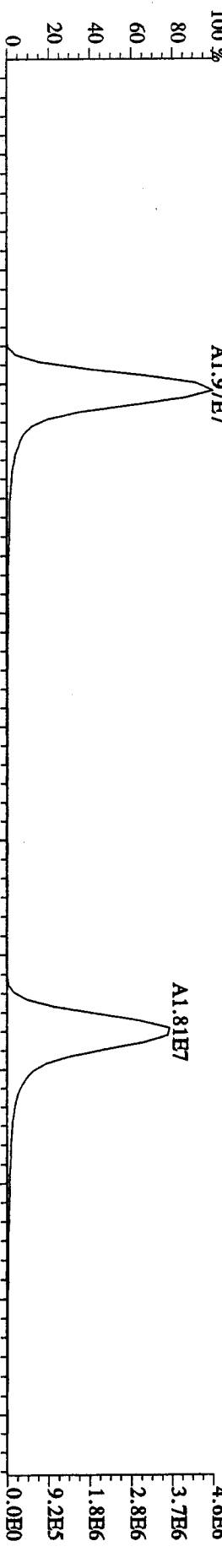
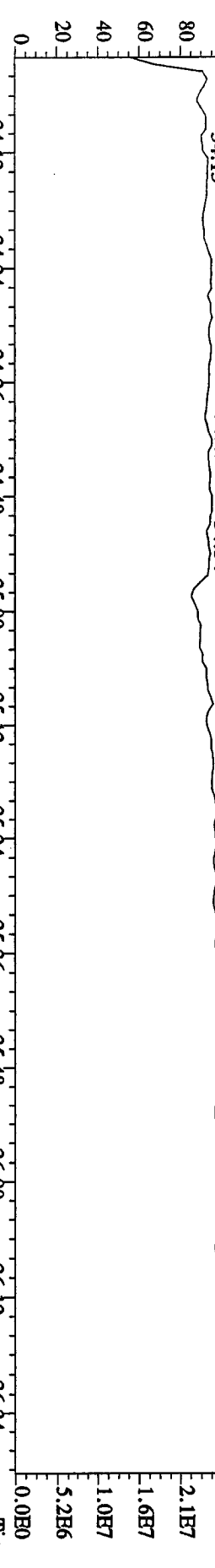


File:30AP104D5 #1-605 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0430 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 354.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:30AP104D5 #1-316 Acq:30-APR-2010 08:18:20 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0430 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 430.9728 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

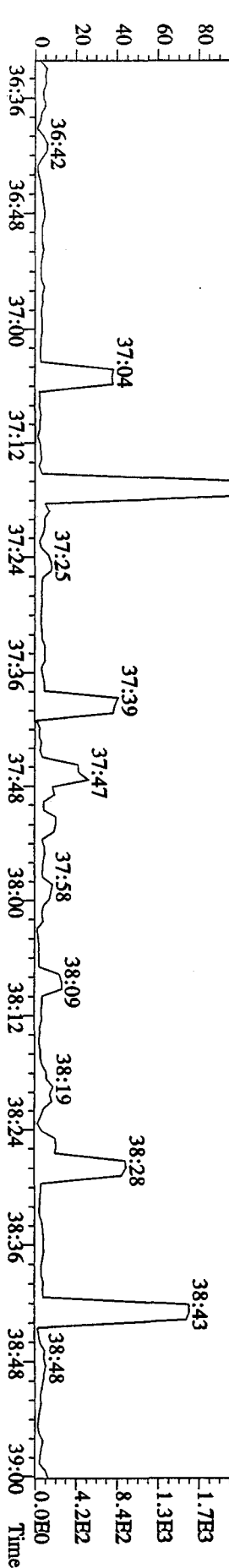
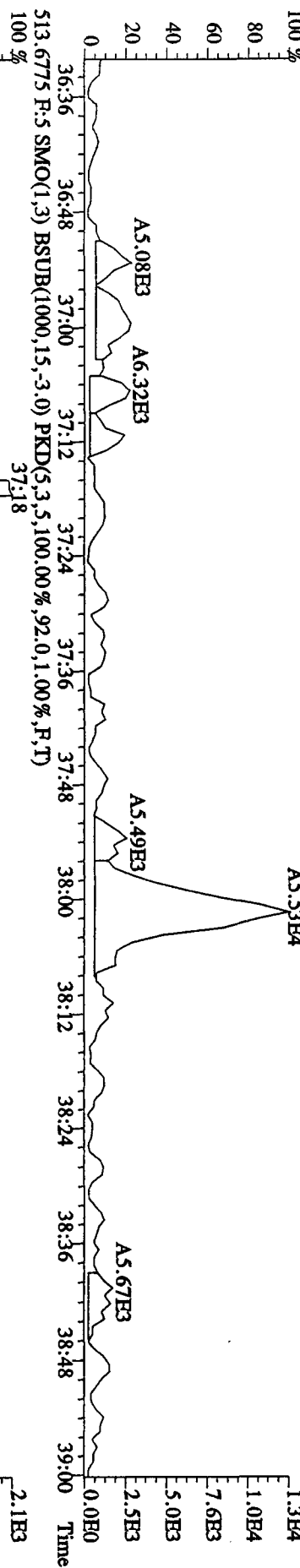
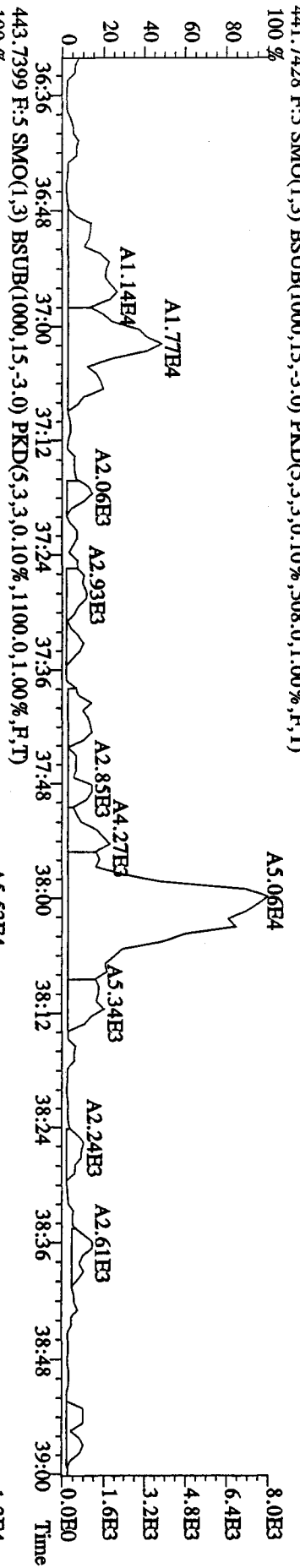
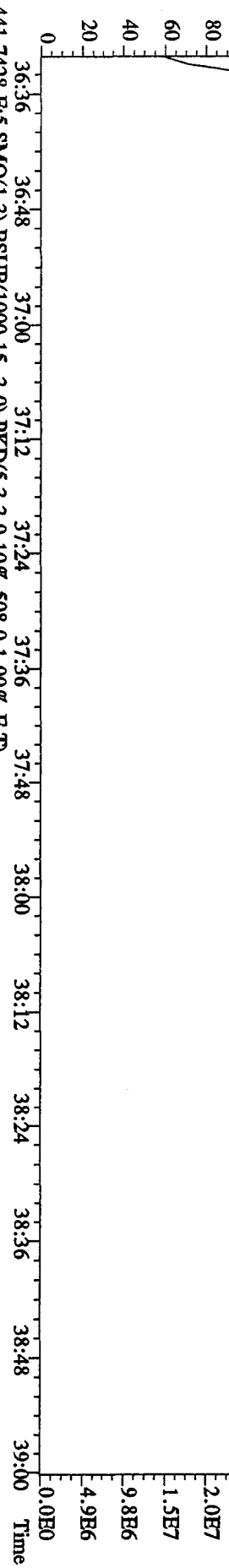




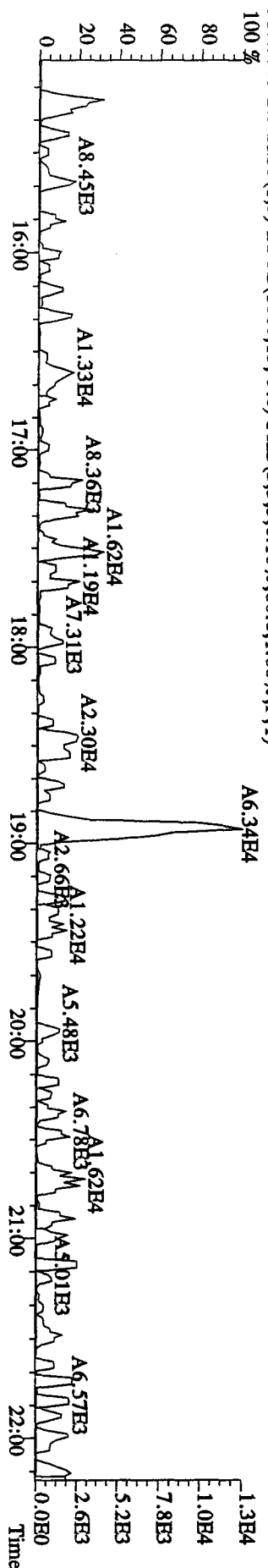
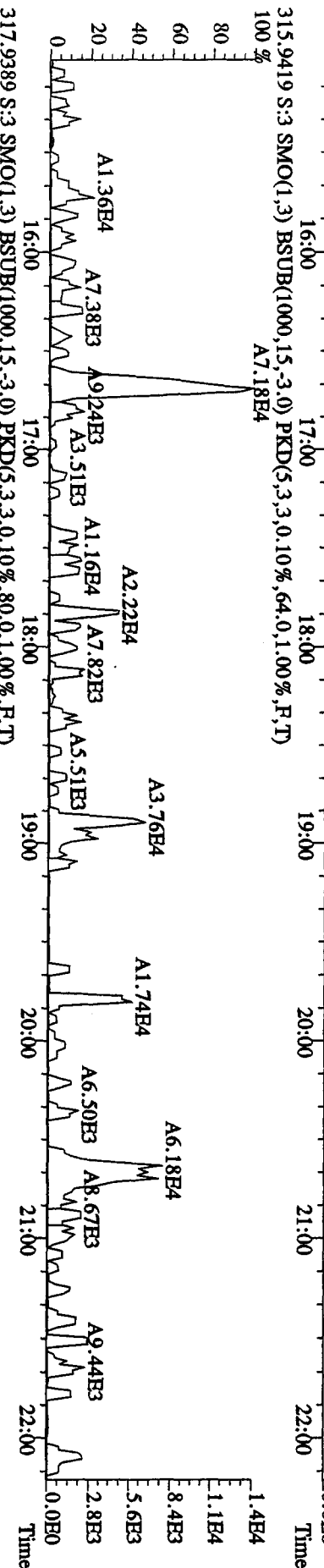
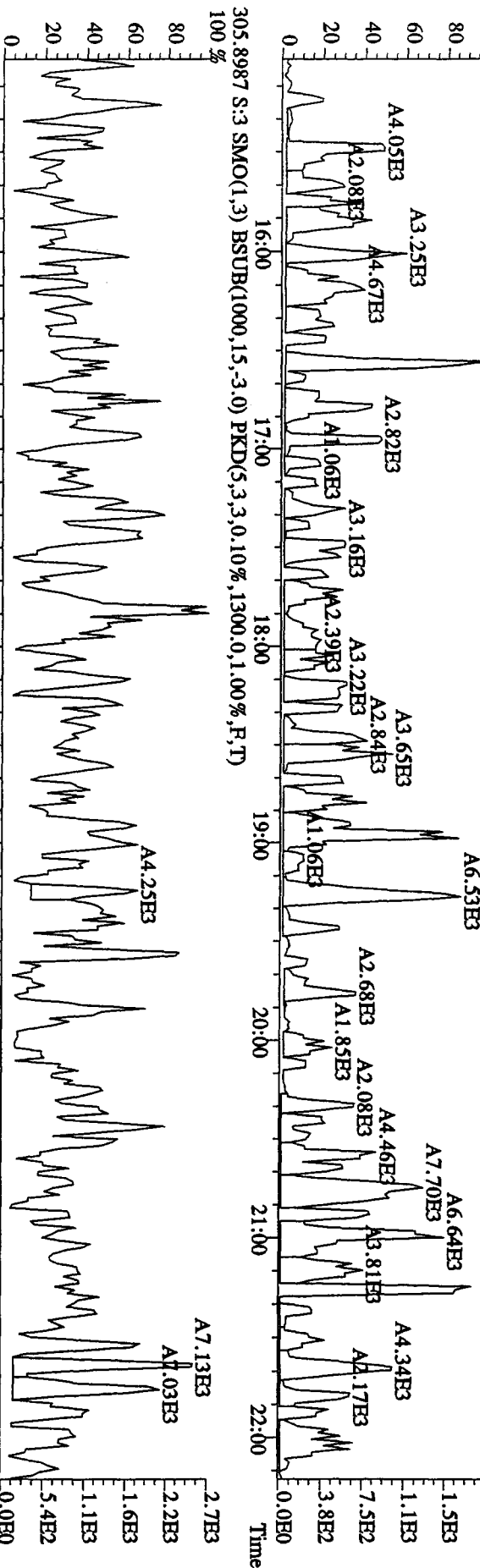
File:30AP104D5 #1-190 Acq:30-APR-2010 08:18:20 GC:EI + Voltage:50V SIR Autospec-UltimaE

Sample#1 Text:CP0430 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A

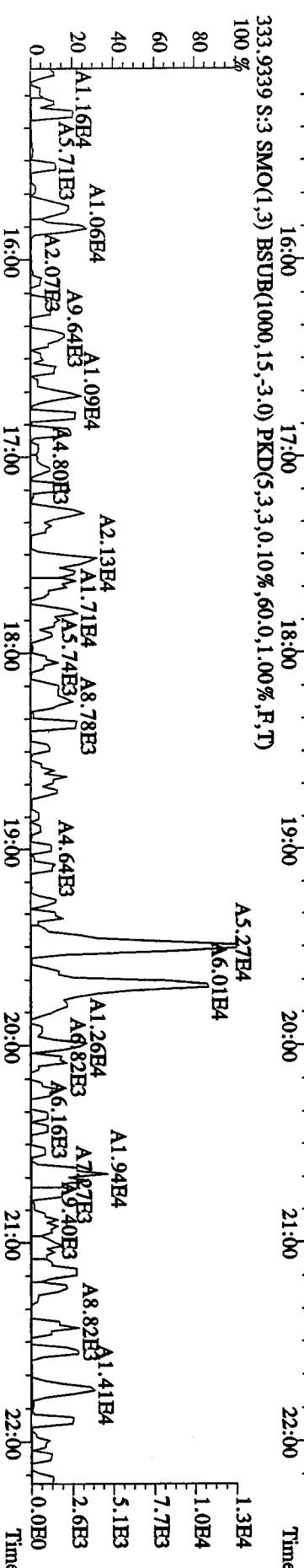
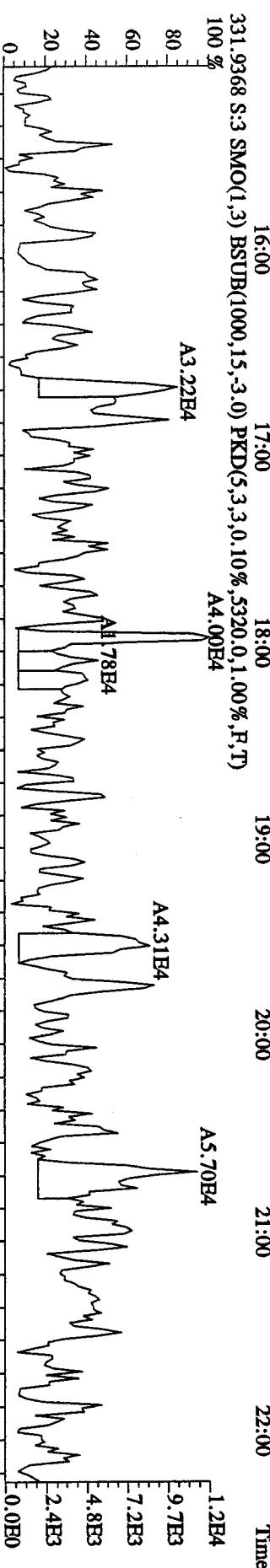
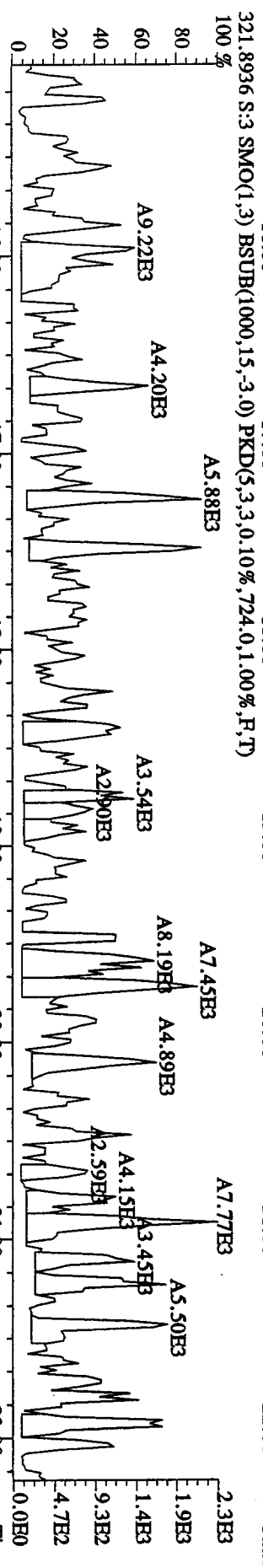
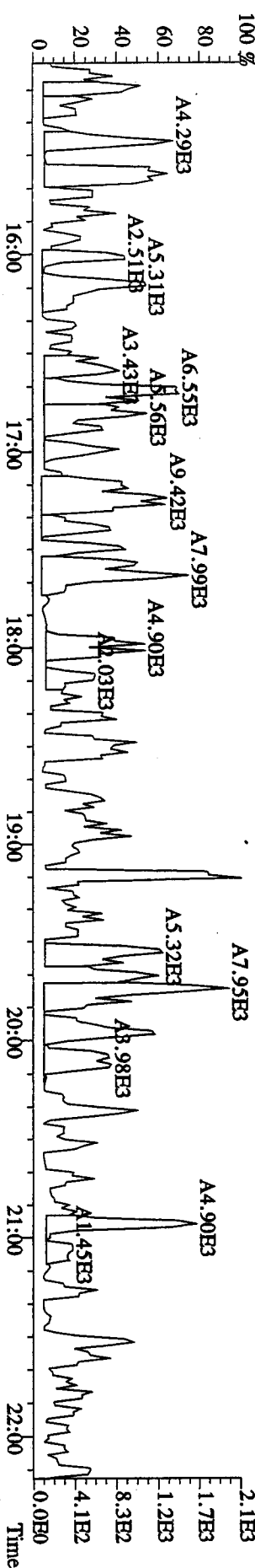
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



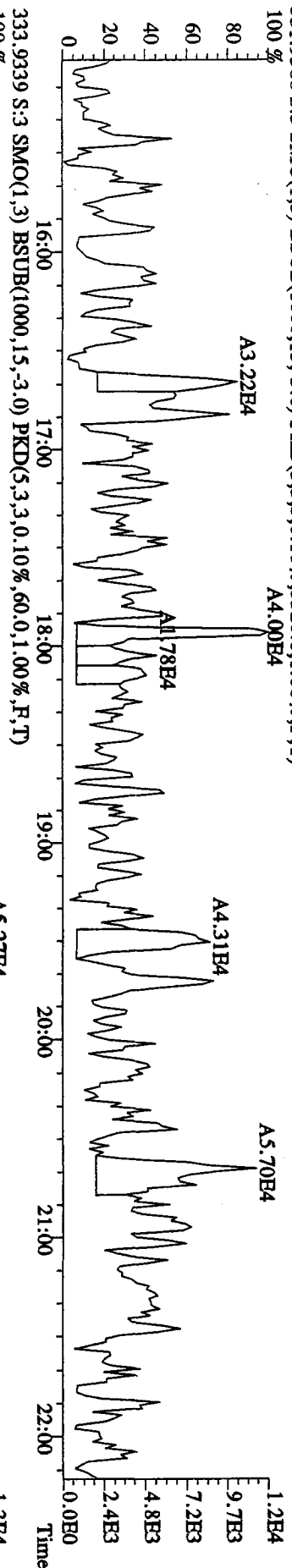
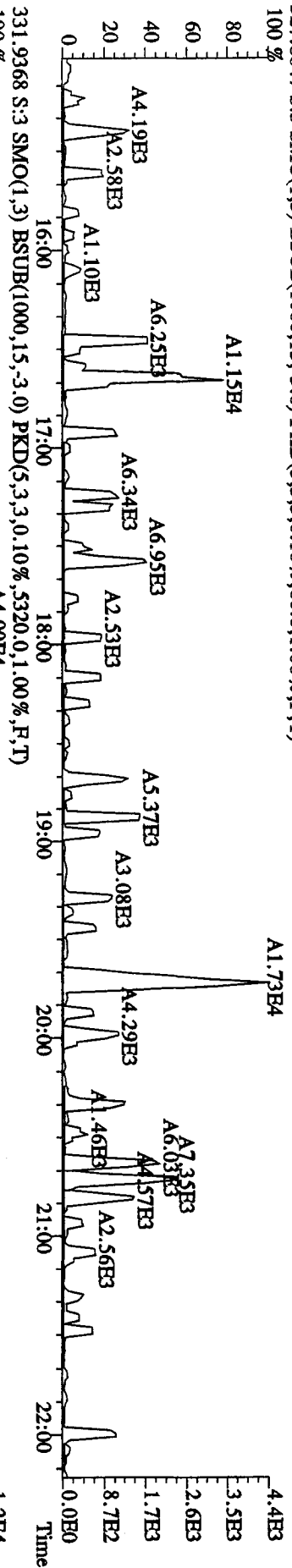
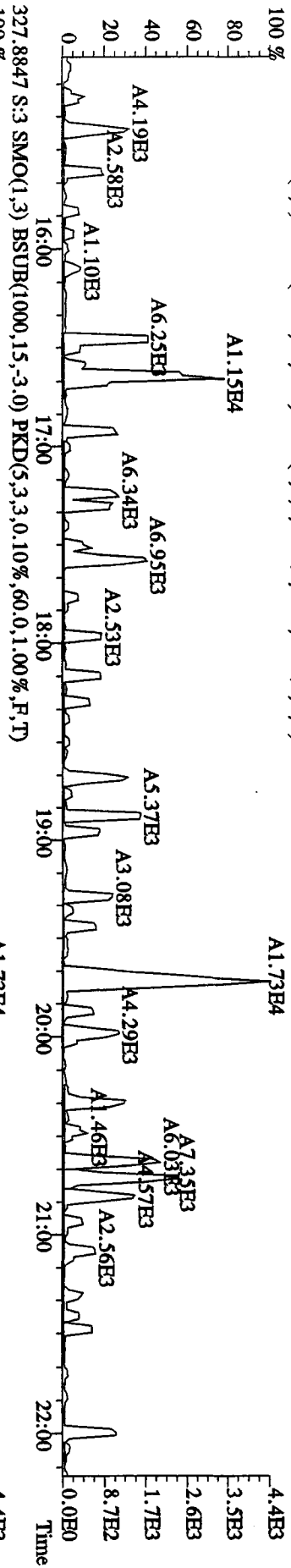
File:30AP104D5 #1-434 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-UltraM
Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)
100% A6.06E3



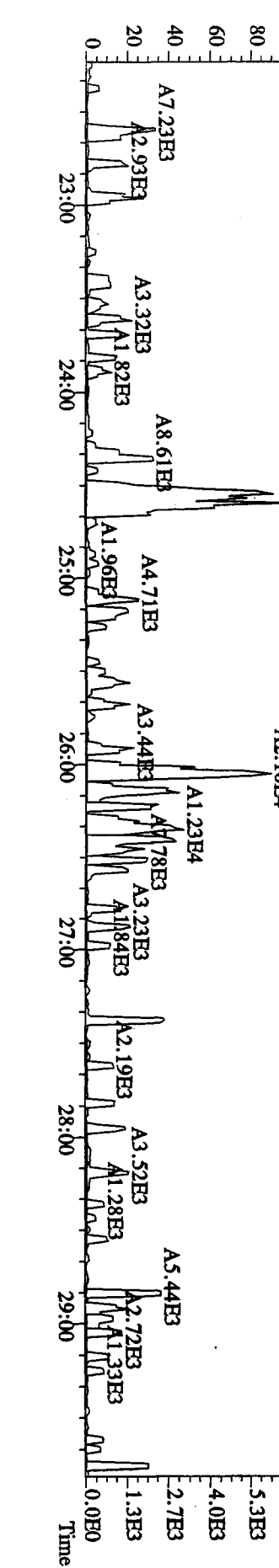
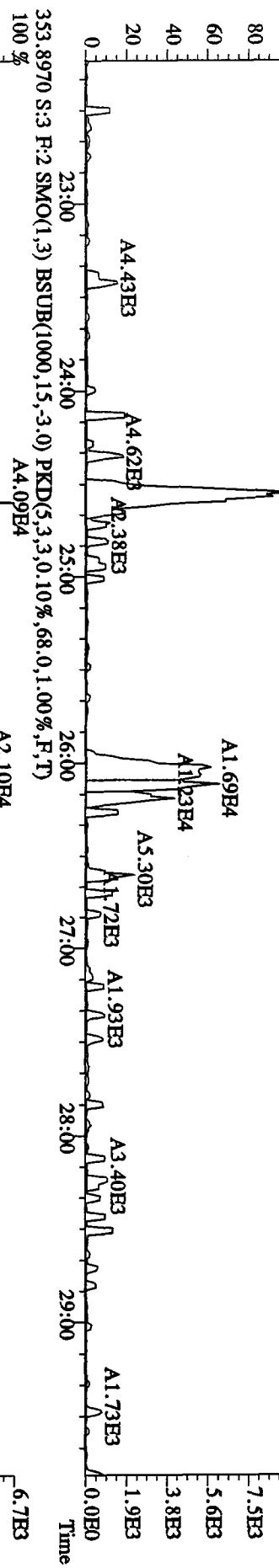
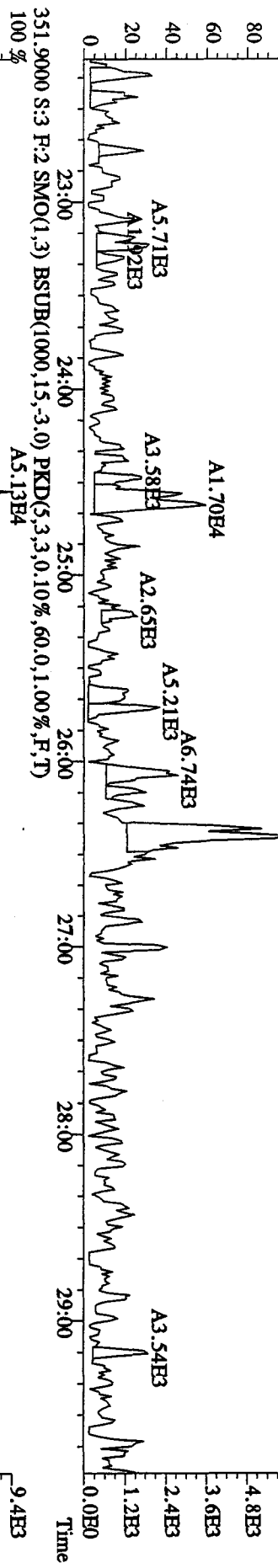
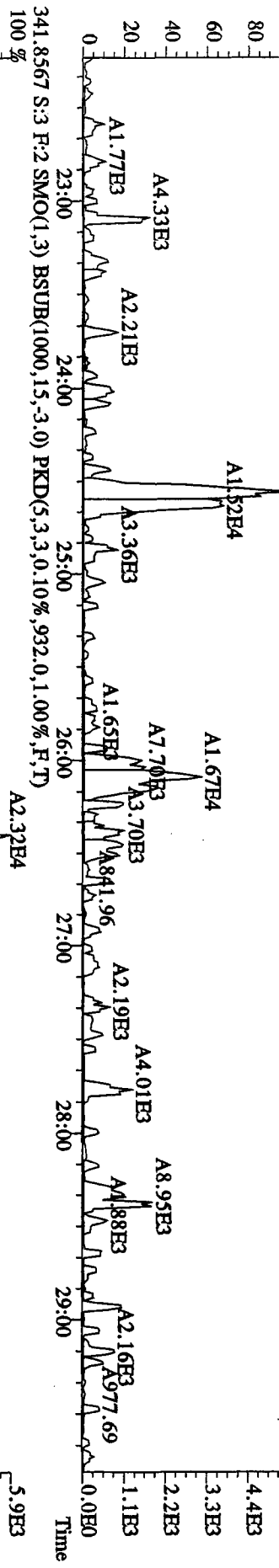
File:30AP104D5 #1-434 Acq:30-APR-2010 09:46:25 GC EI + Voltage SIR Autospec-UltimaB
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,464.0,1.00%,F,T)



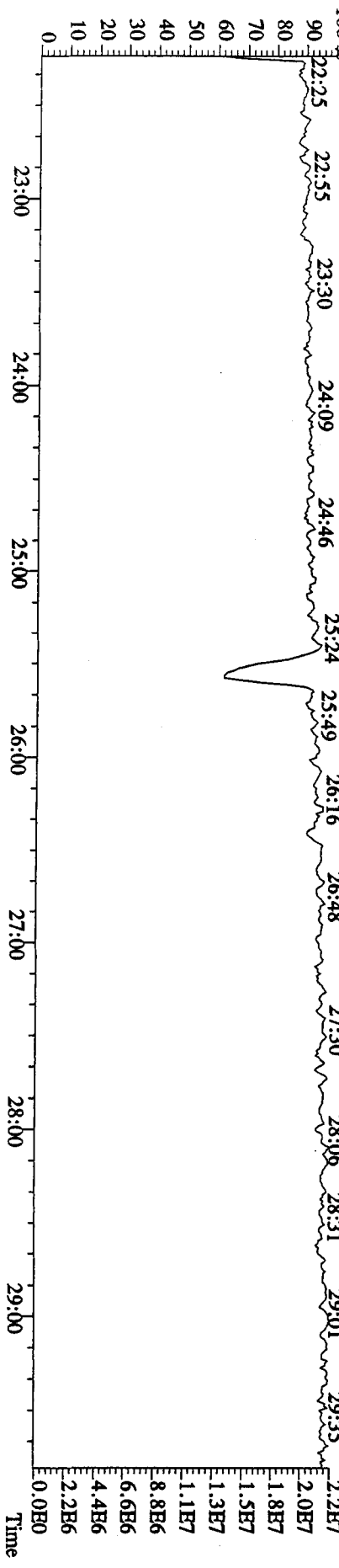
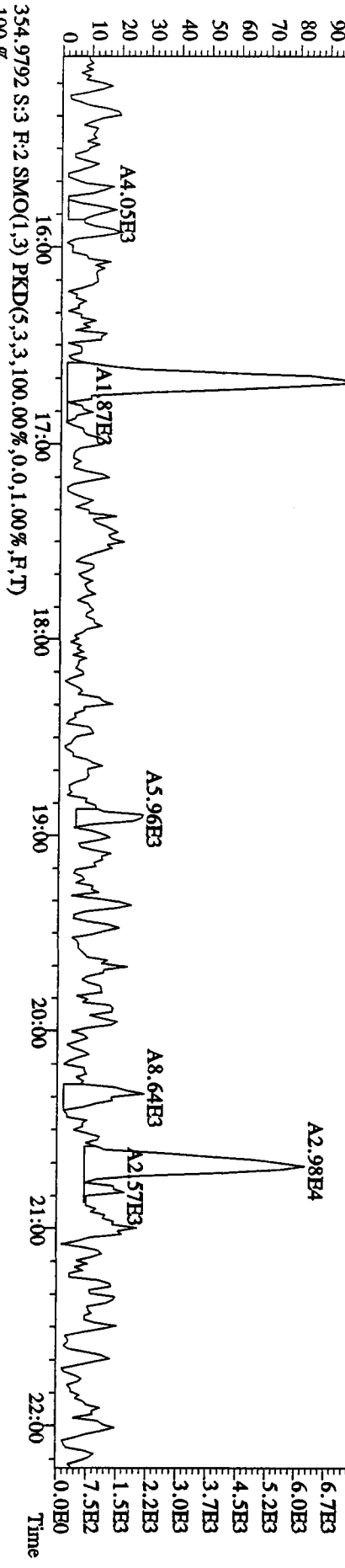
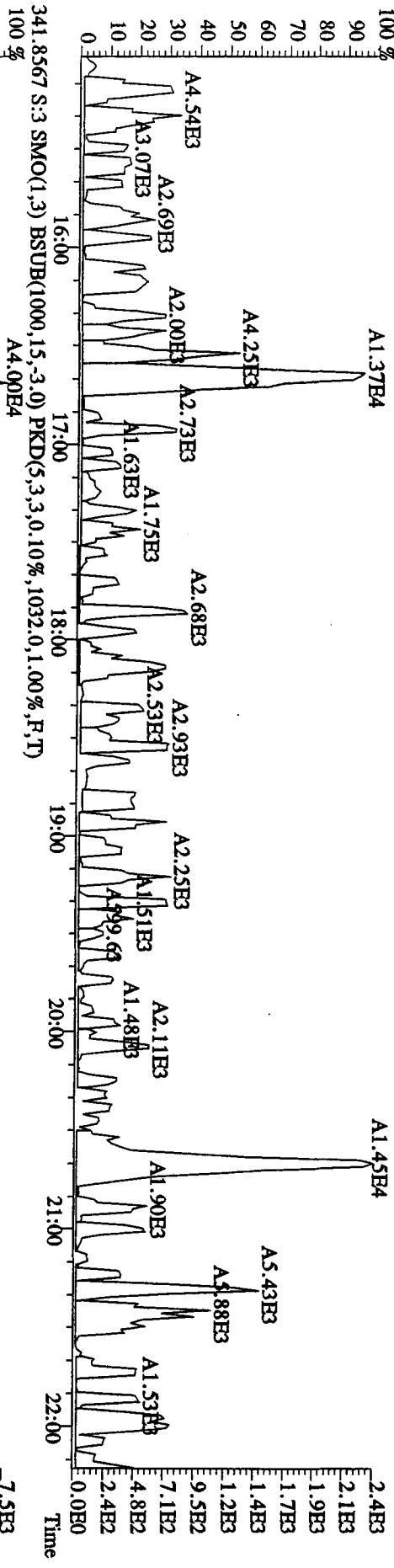
File:30AP104D5 #1-434 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



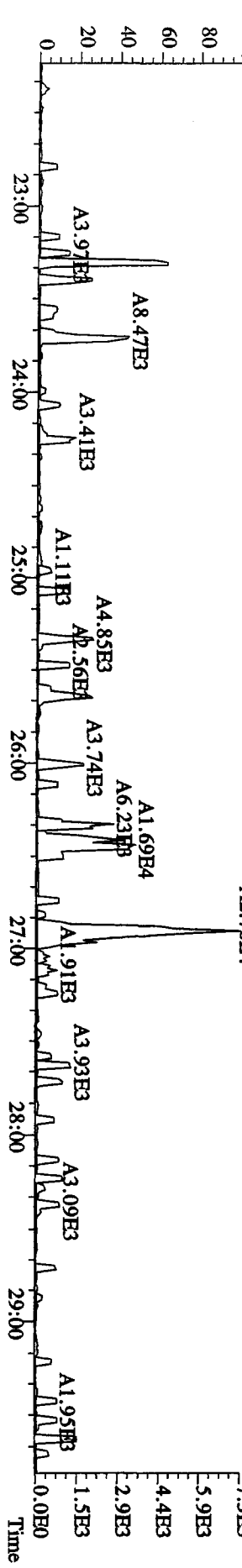
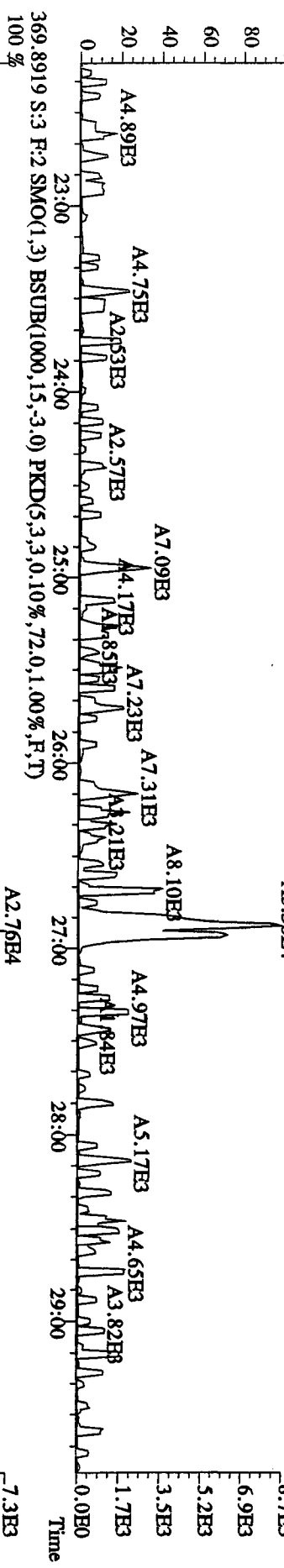
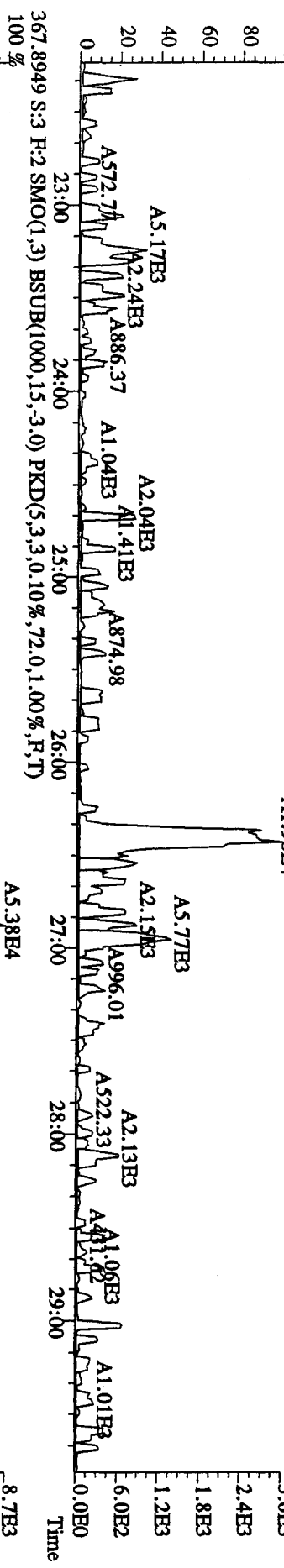
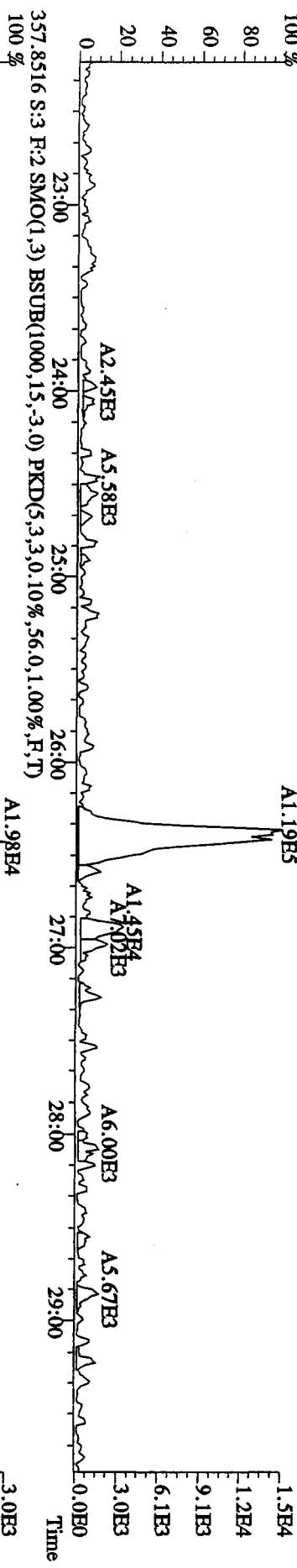
File:30AP104D5 #1-604 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)
 A2.18E4



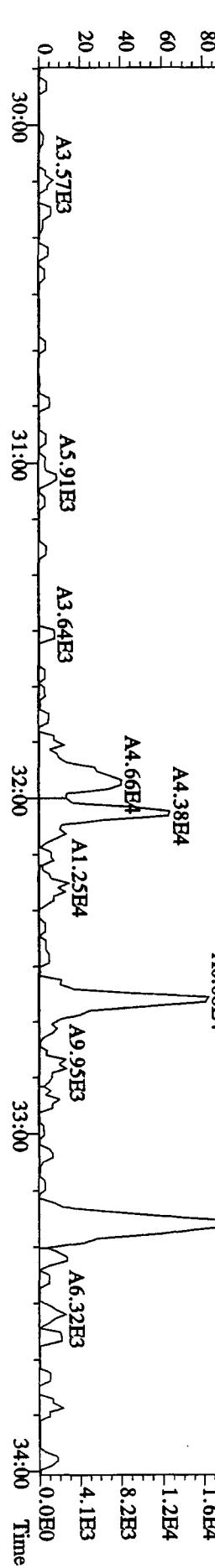
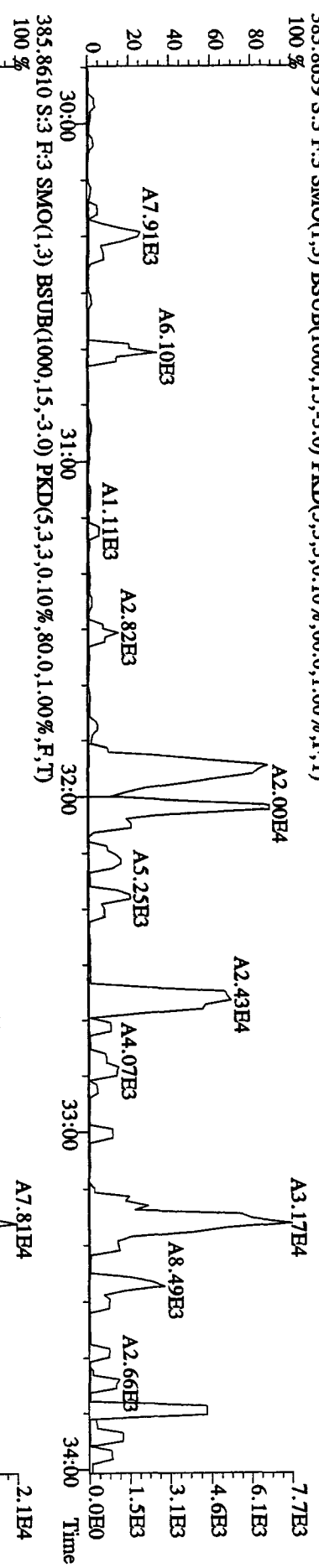
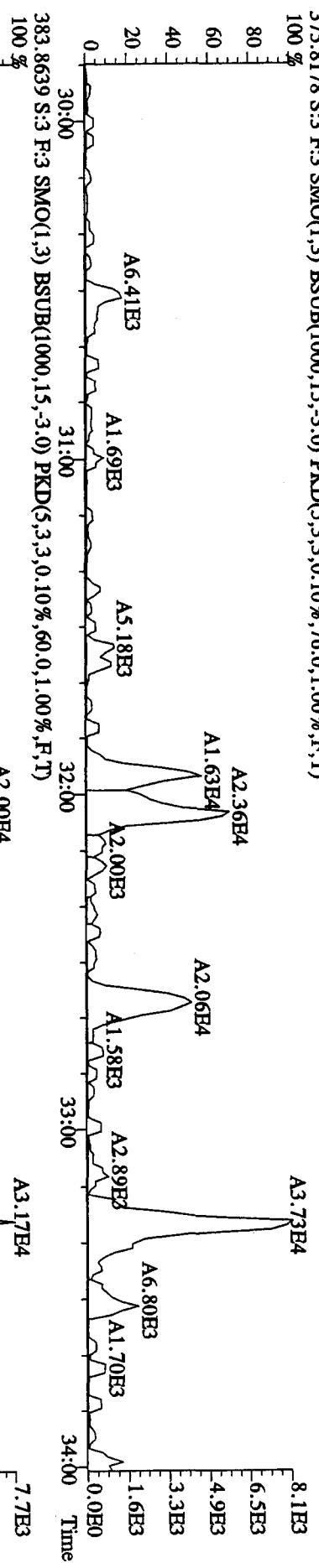
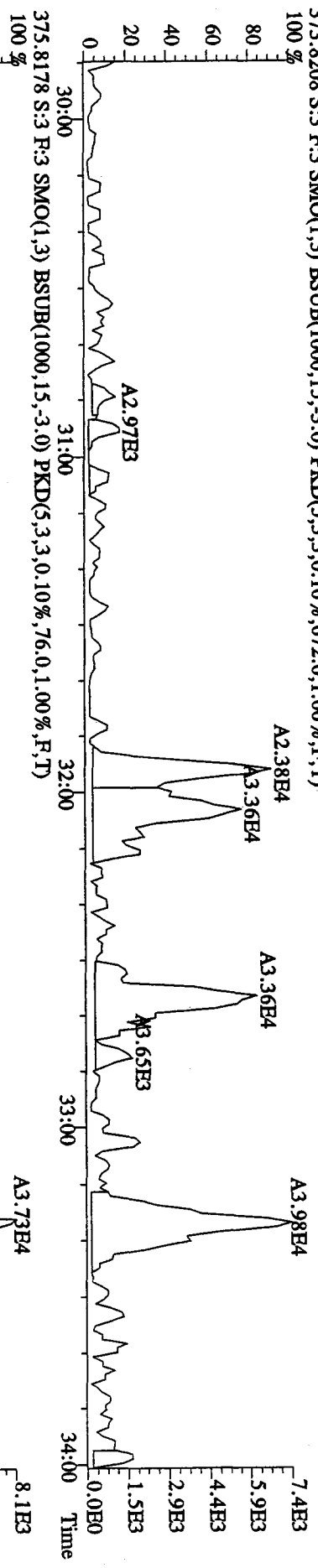
File:30AP104D5 #1-434 Acq:30-APR-2010 09:46:25 GC HI + Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.56,0,1.00%,F,T)



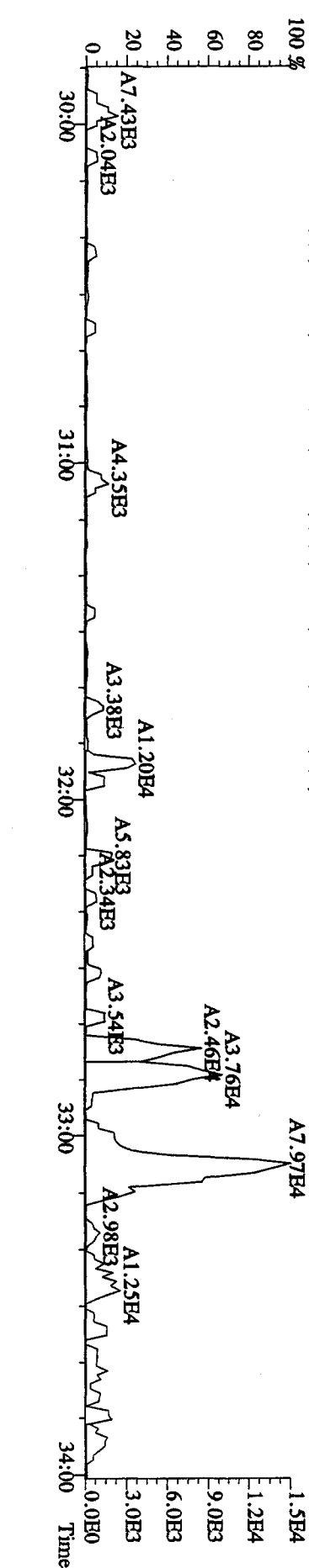
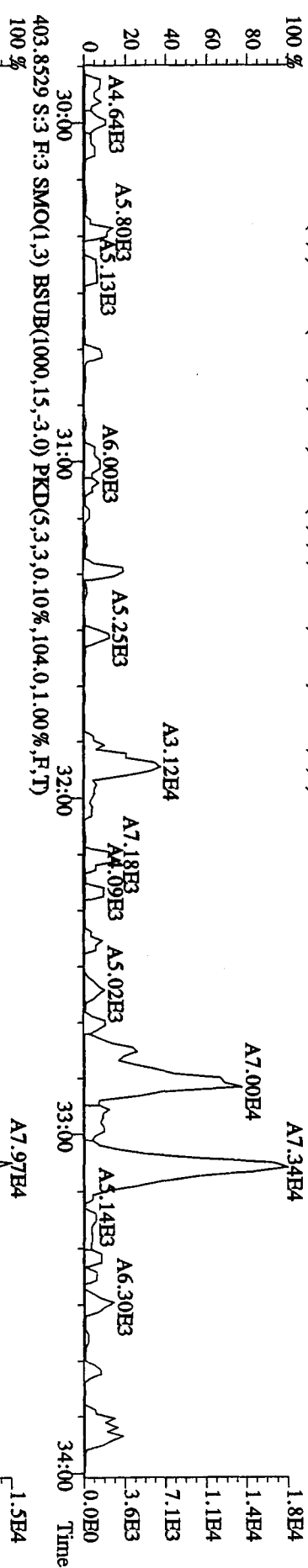
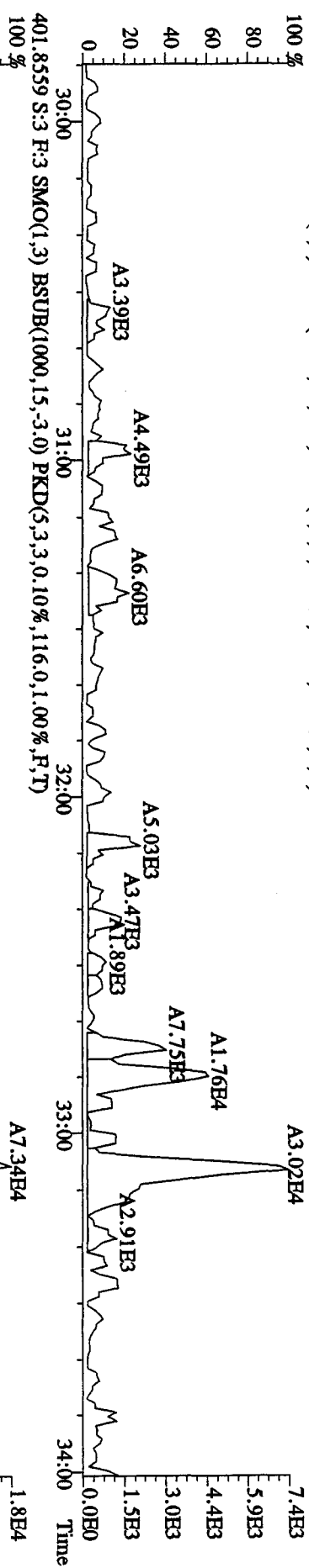
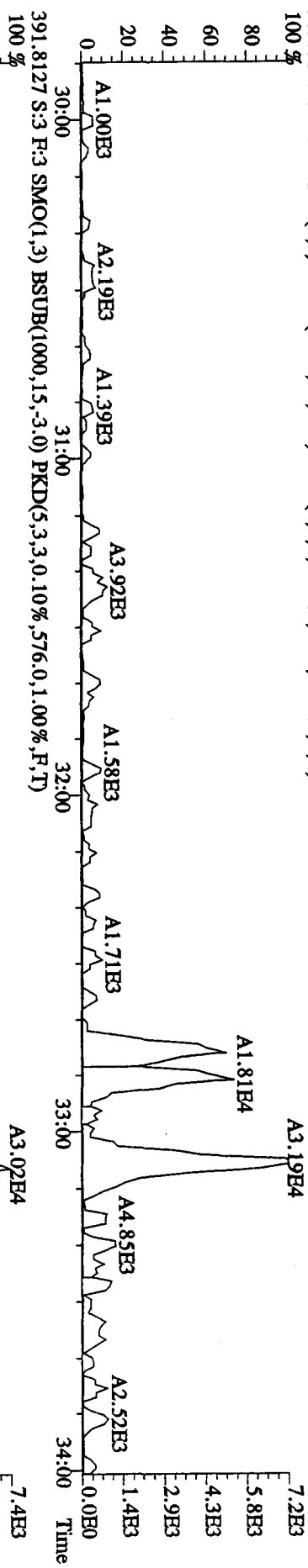
File:30AP104D5 #1-604 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,688.0,1.00%,F,T)

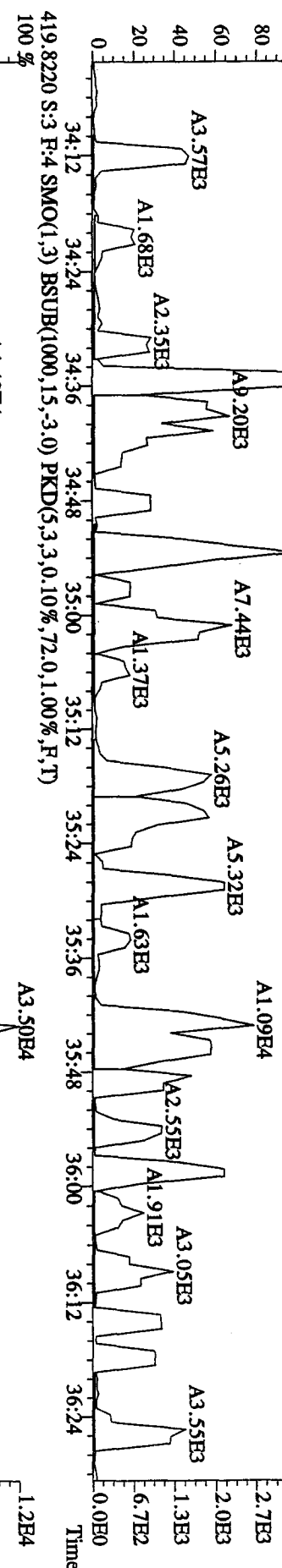
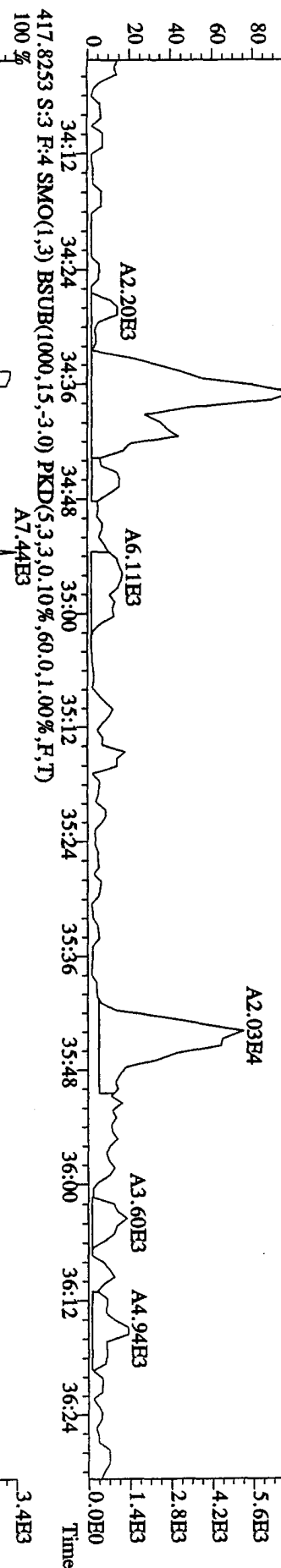
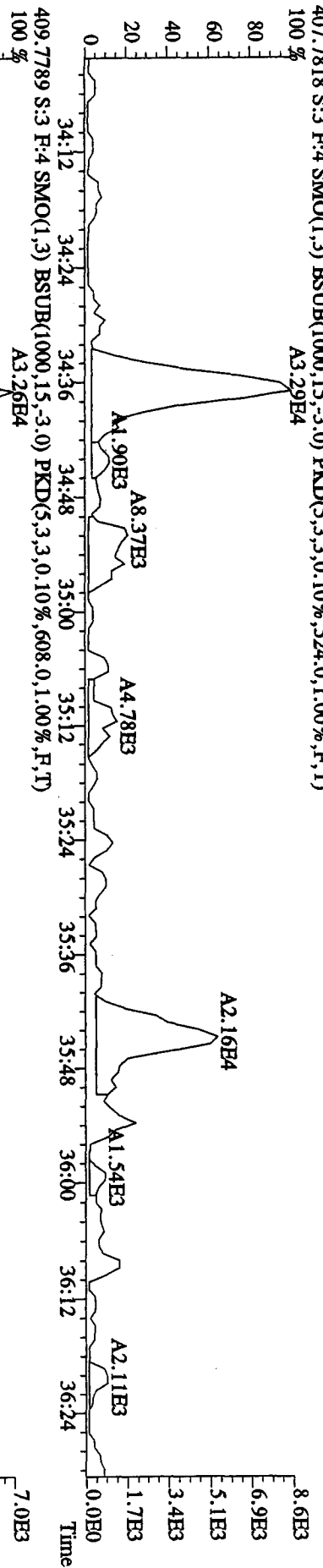


File:30AP104D5 #1-317 Acq:30-APR-2010 09:46:25 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,672.0,1.00%,F,T)
 100 %

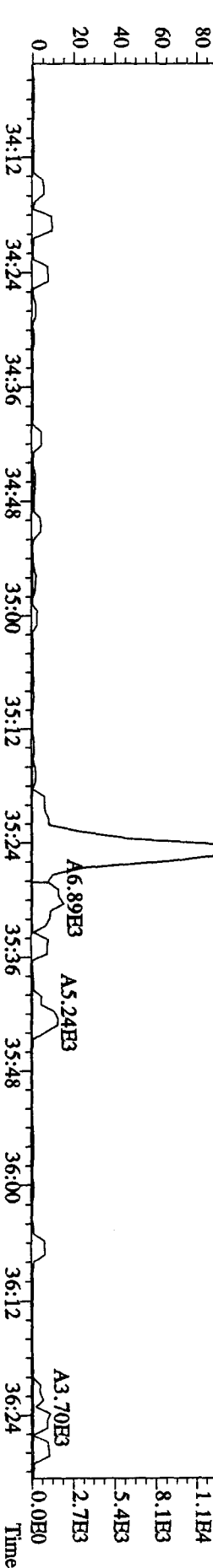
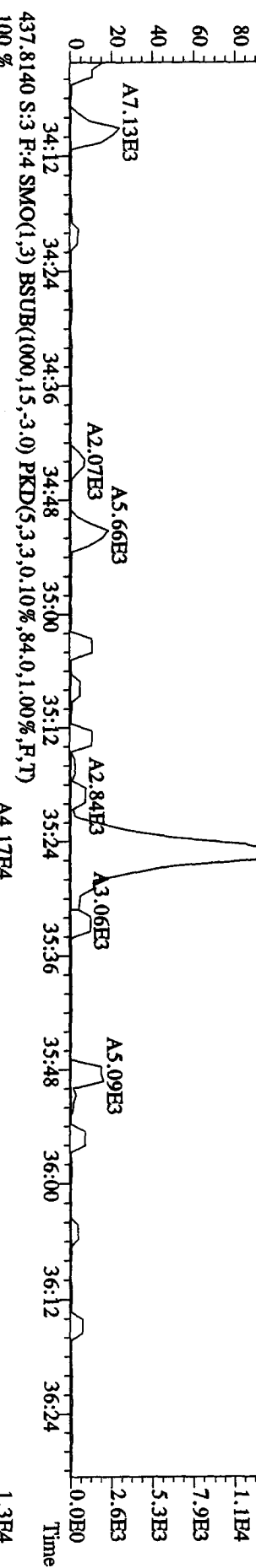
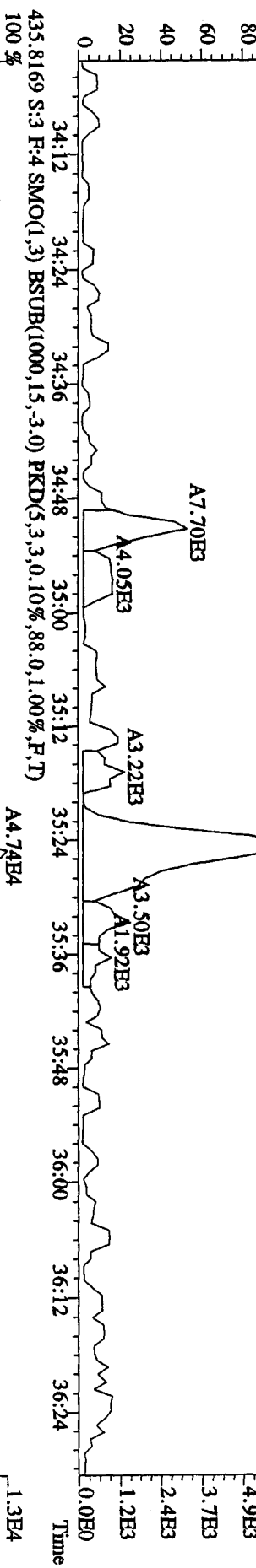
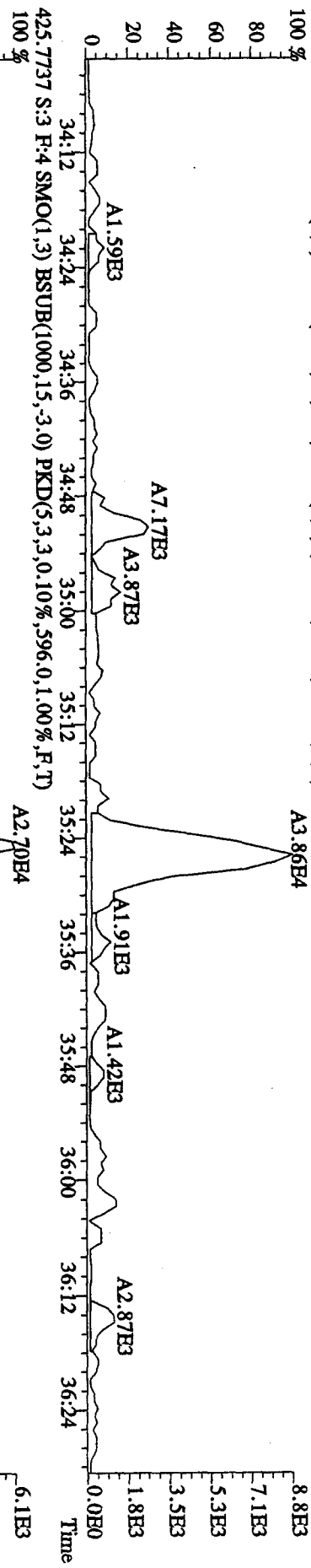


File:30AP104D5 #1-317 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-Ultimal
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)

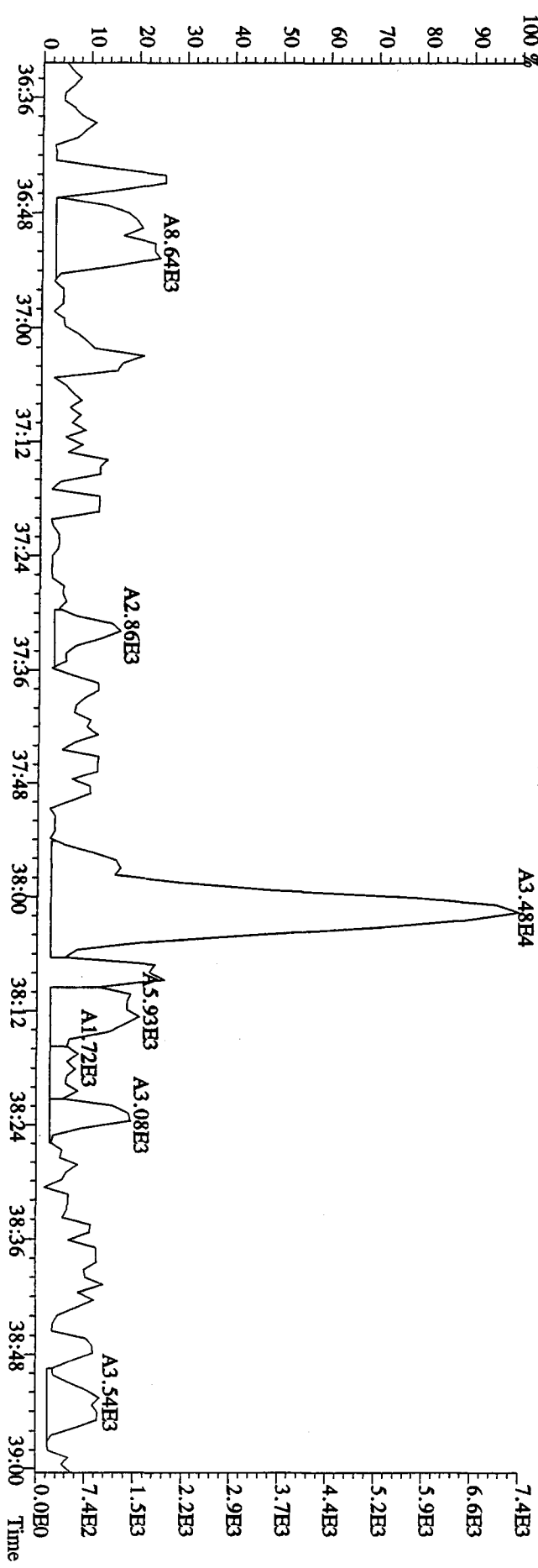
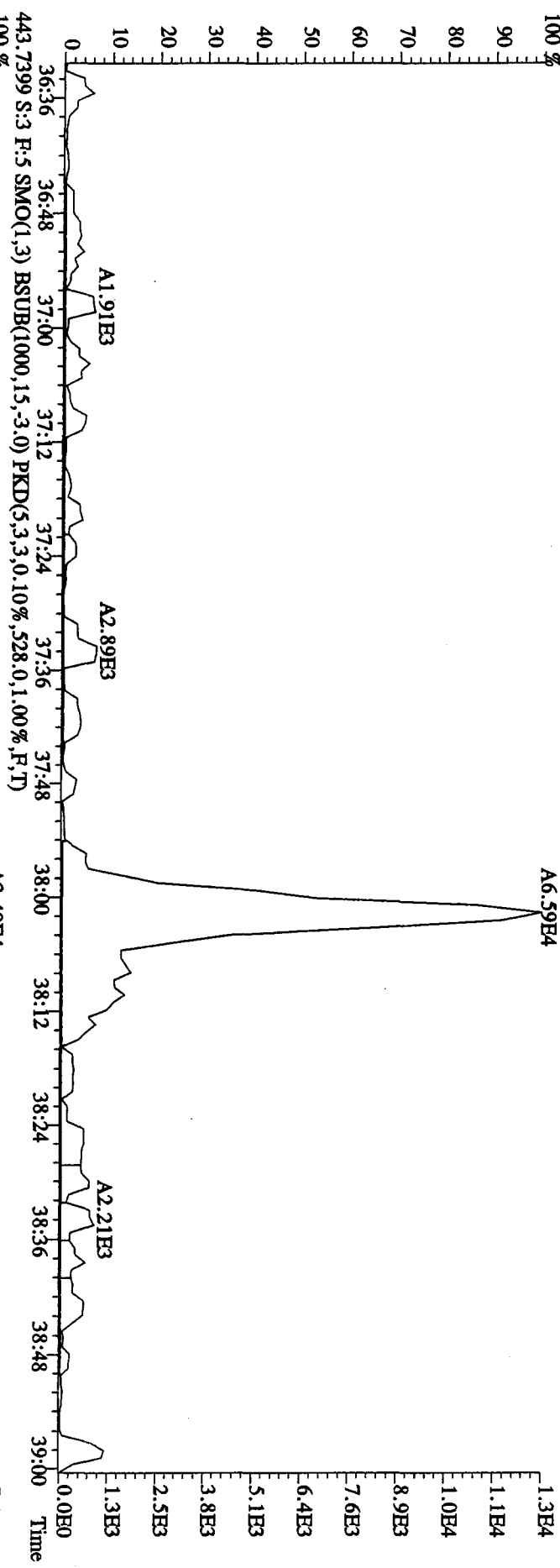




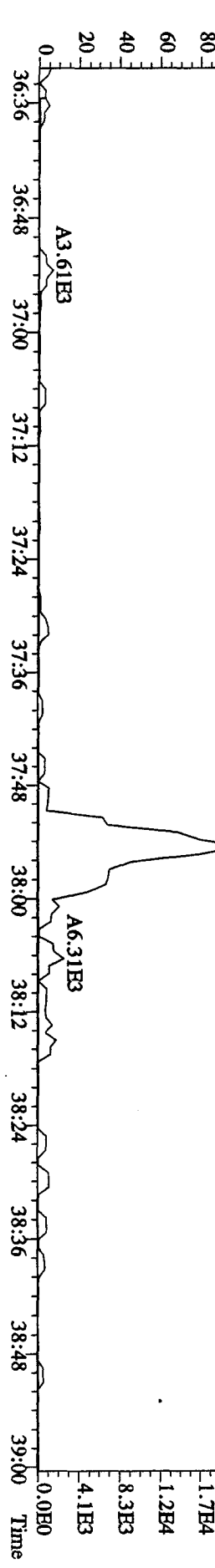
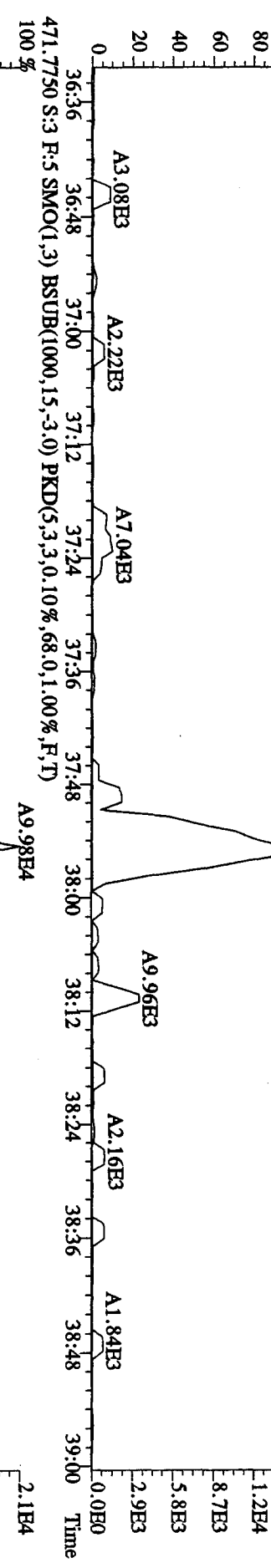
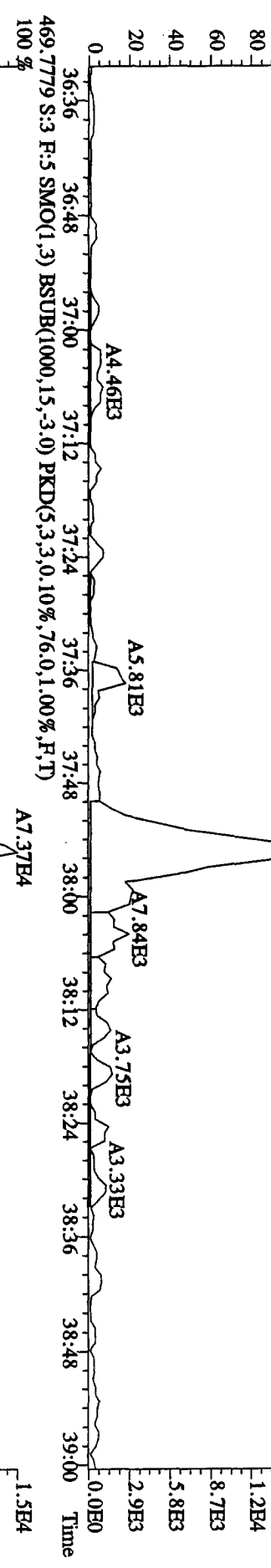
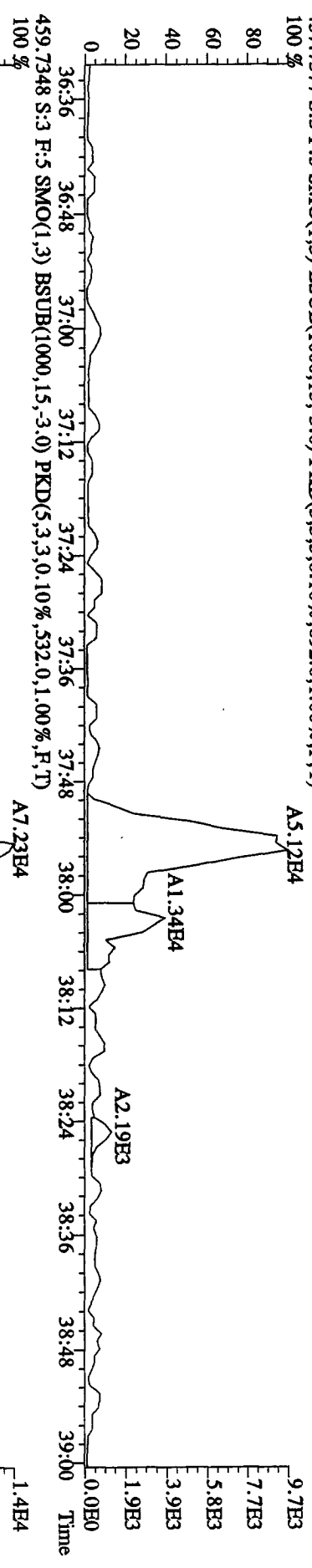
File:30AP104D5 #1-198 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,540.0,1.00%,F,T)



File:30ADP104D5 #1-190 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0430 :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%,80.0,1.00%,F,T)
 100%

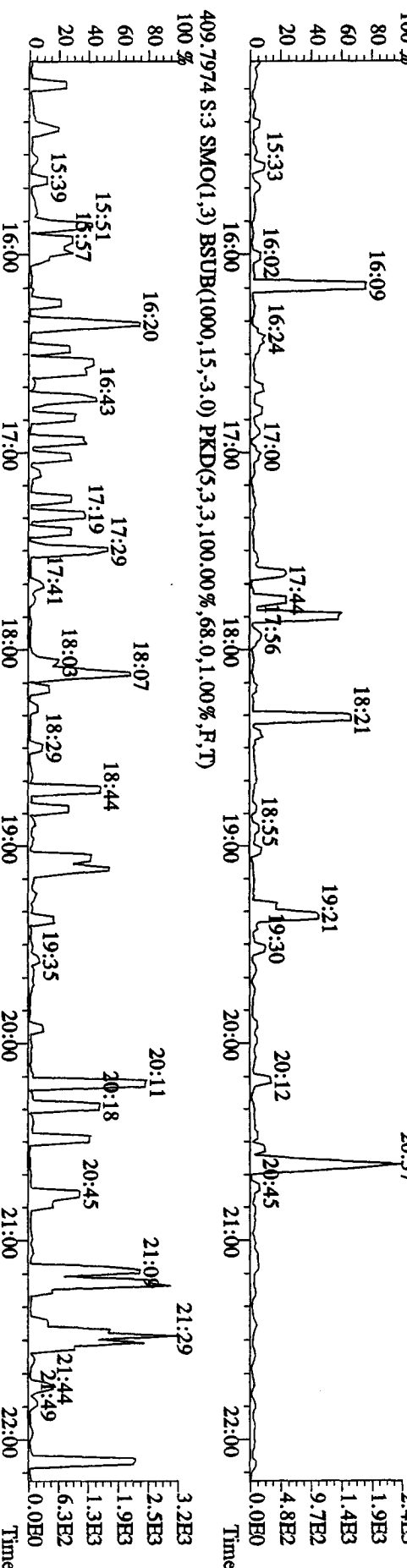
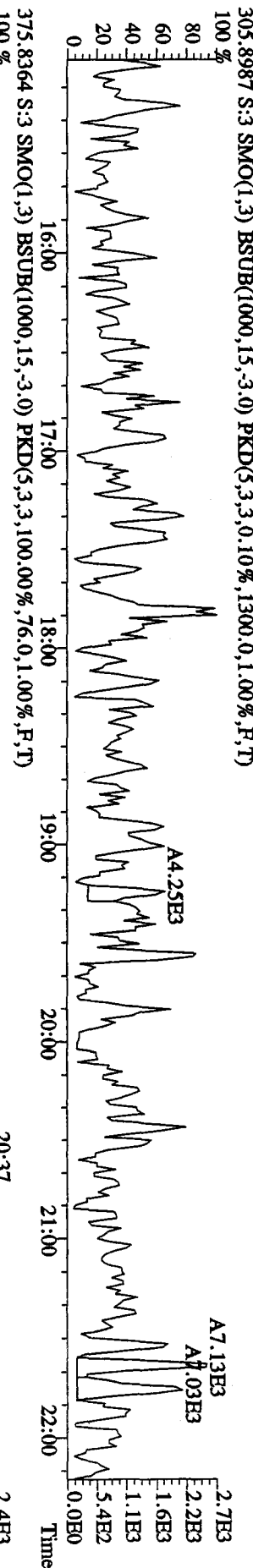
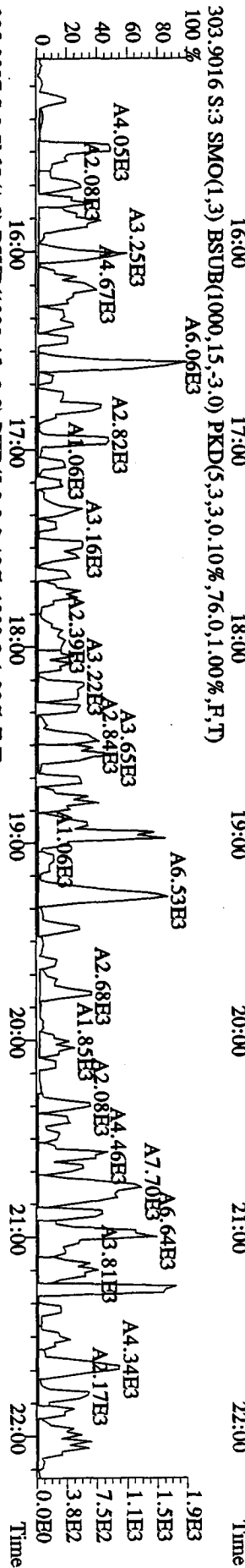
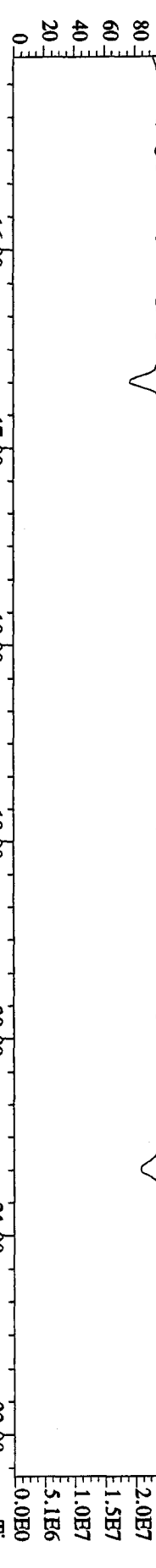


File:30AP104D5 #1-190 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,692.0,1.00%,F,T) 100%

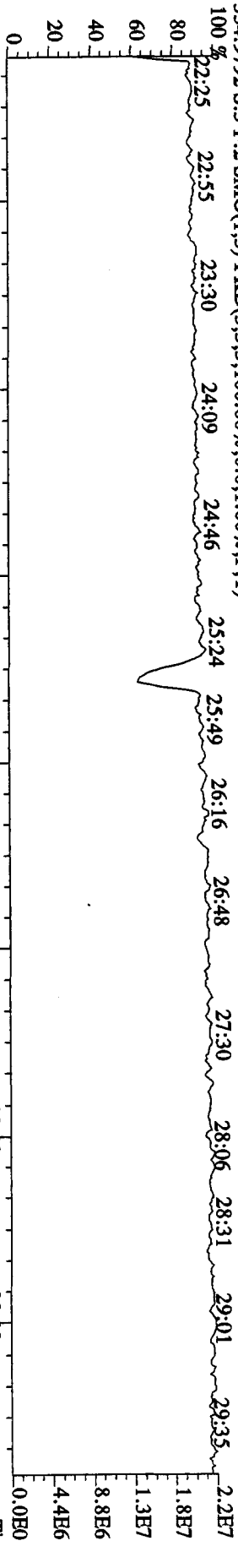


File:30ADP104D5 #1-434 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-Ultimate

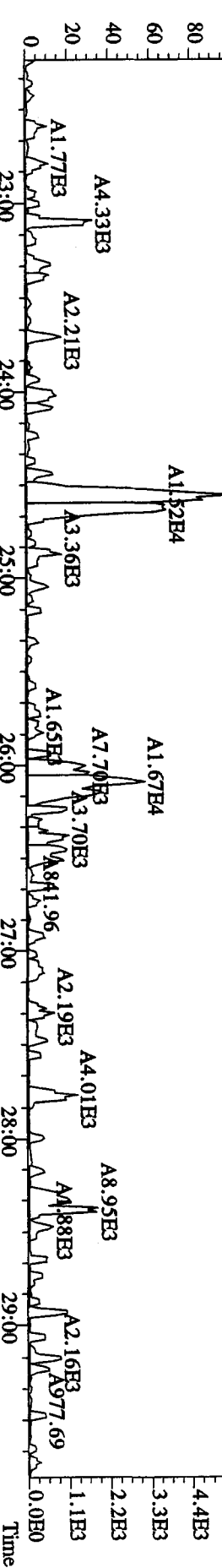
Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A



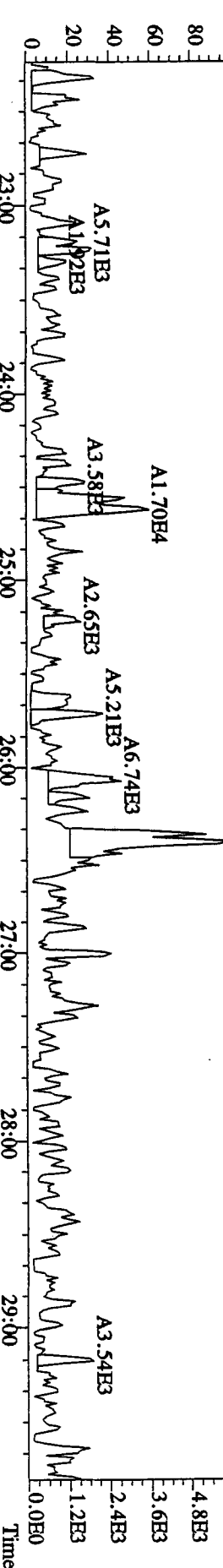
File:30AP104D5 #1-604 Acq:30-APR-2010 09:46:25 GC HI + Voltage SFR Autospec-Ultimate
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 354.9792 S:3 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



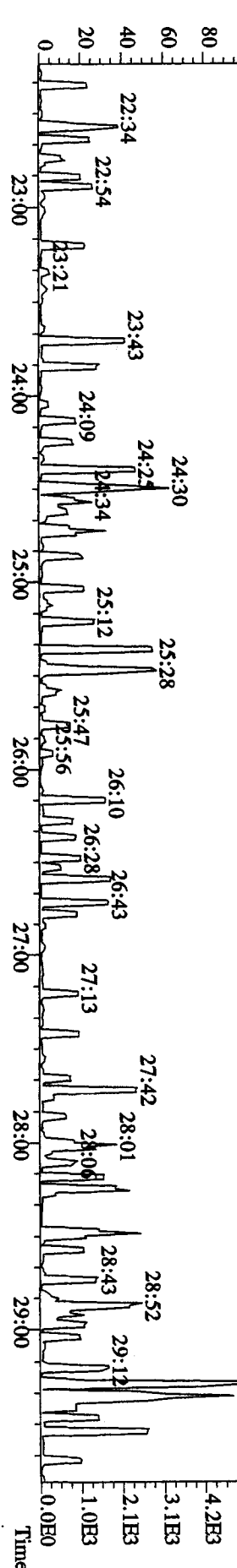
339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,56.0,1.00%,F,T)
 A2.18E4

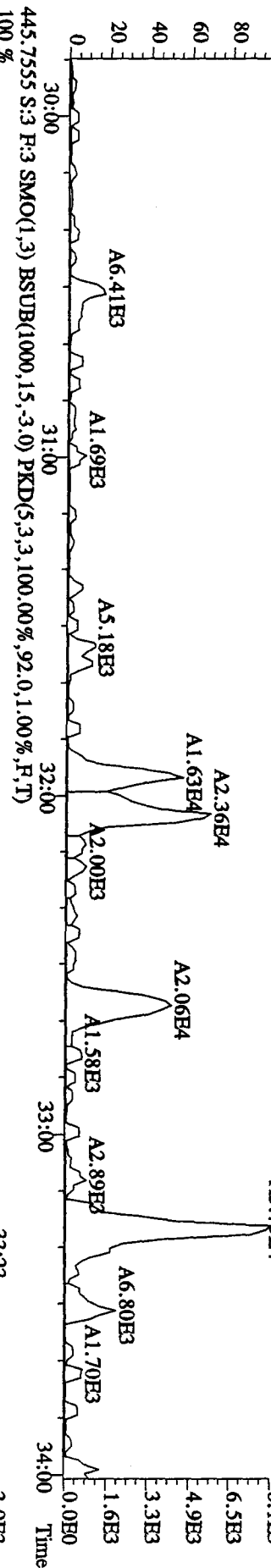
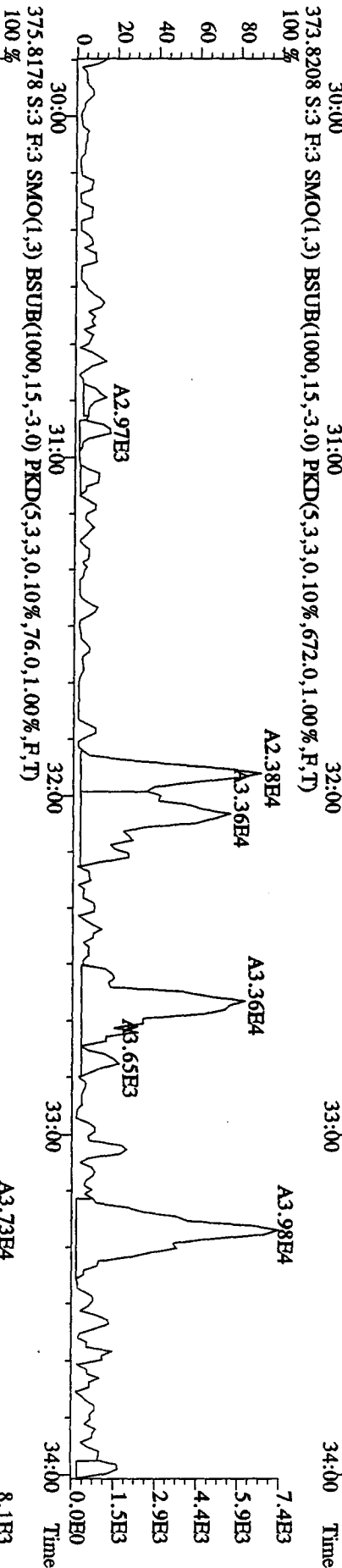
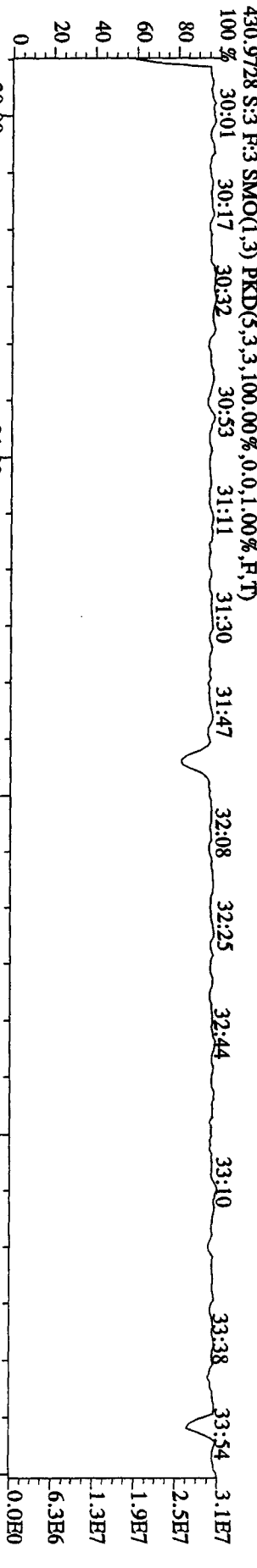


341.8567 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,932.0,1.00%,F,T)
 A2.32E4

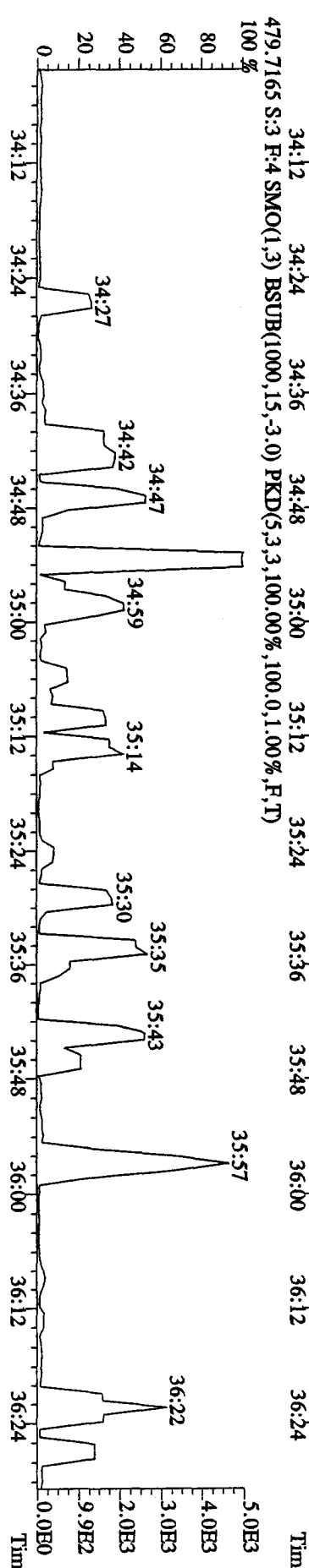
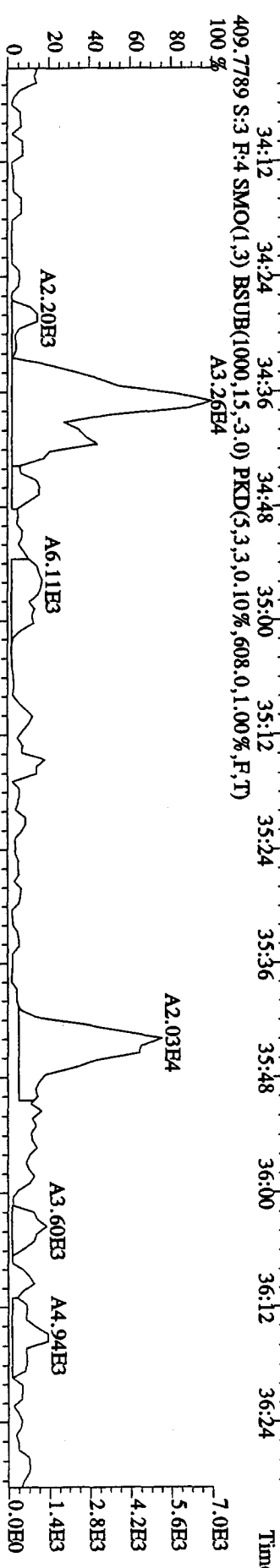
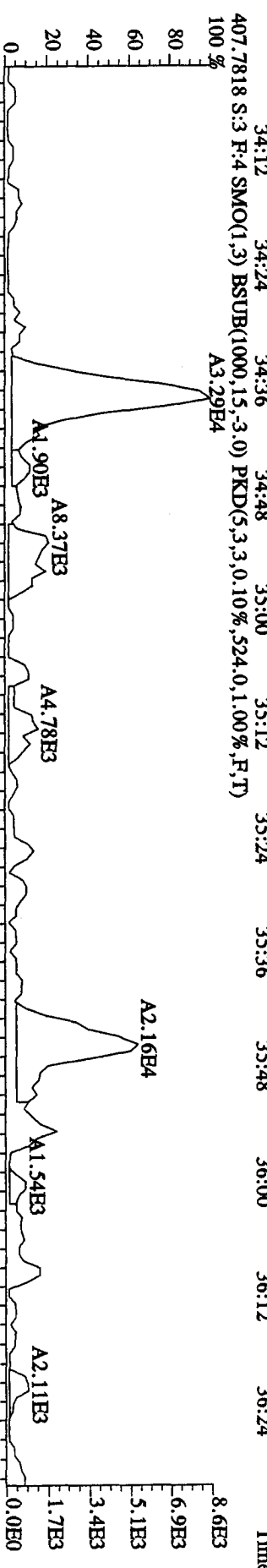
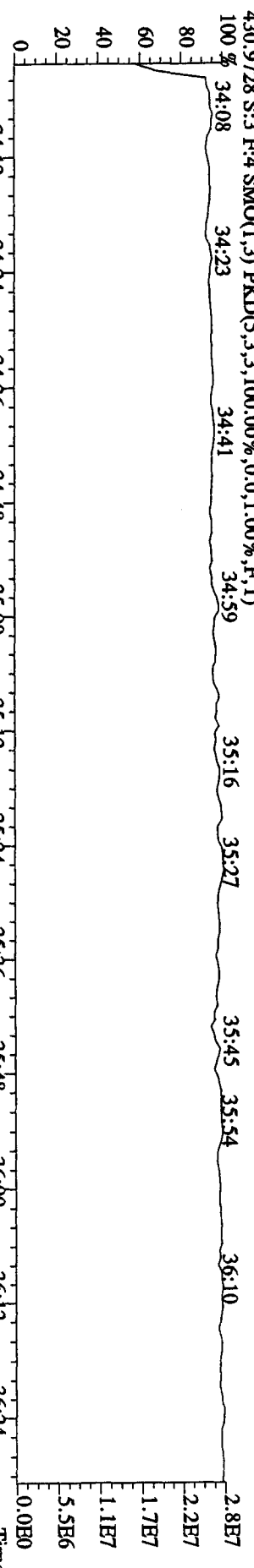


409.7974 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,72.0,1.00%,F,T)

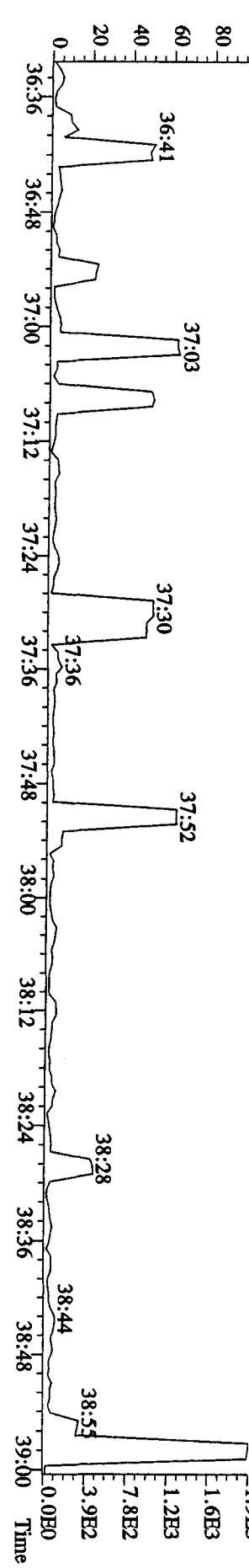
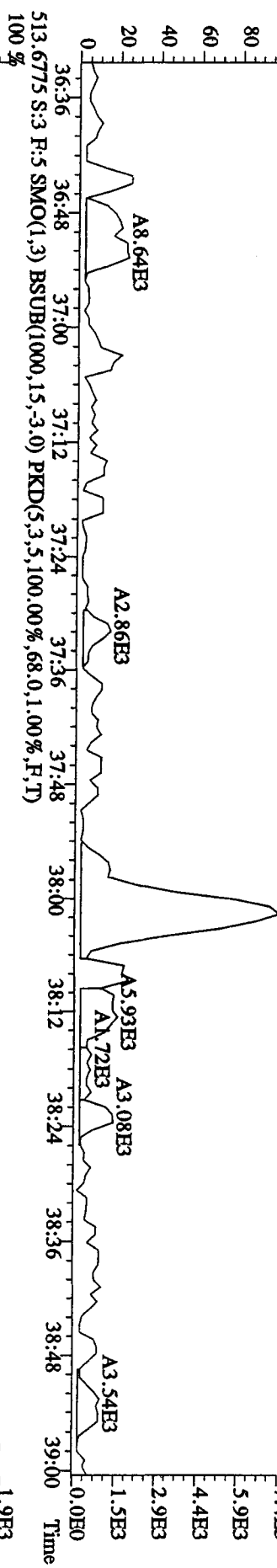
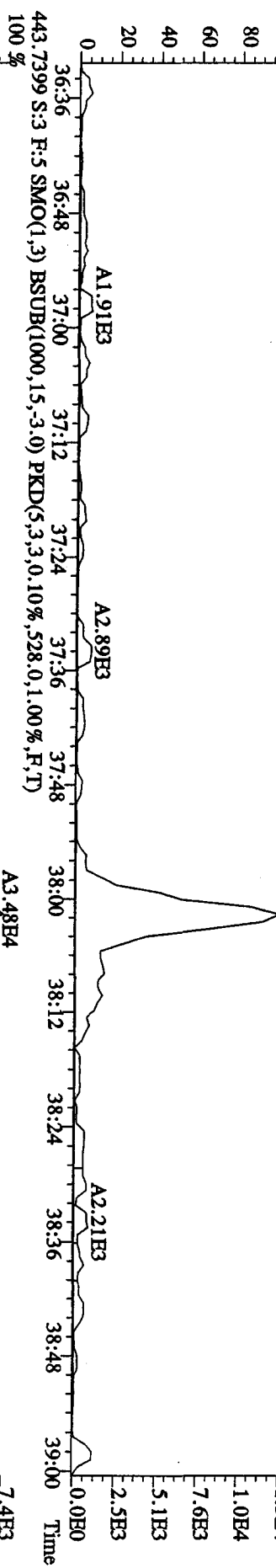
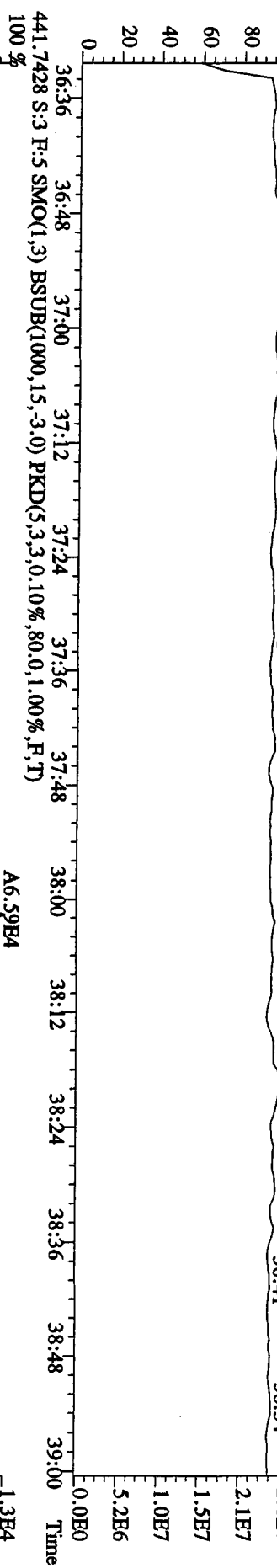




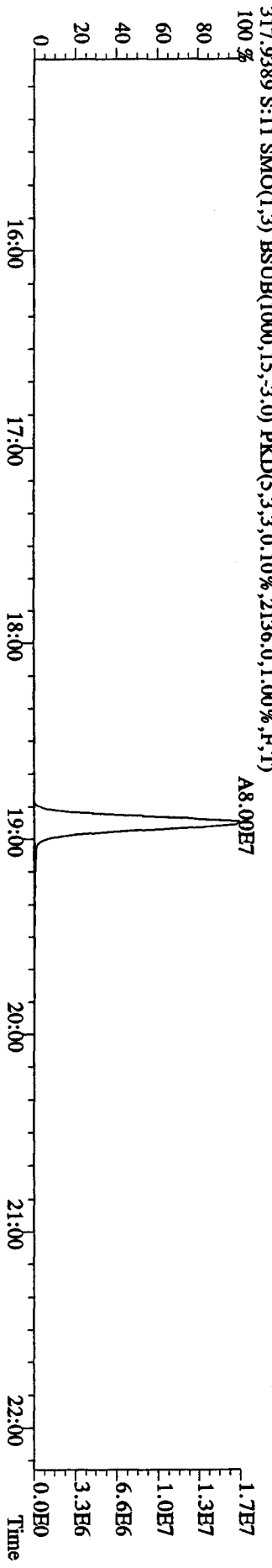
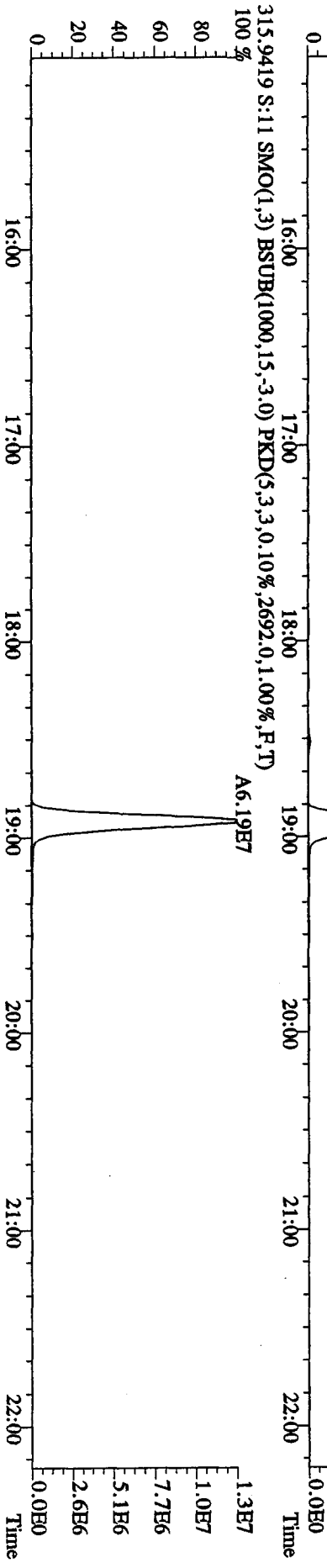
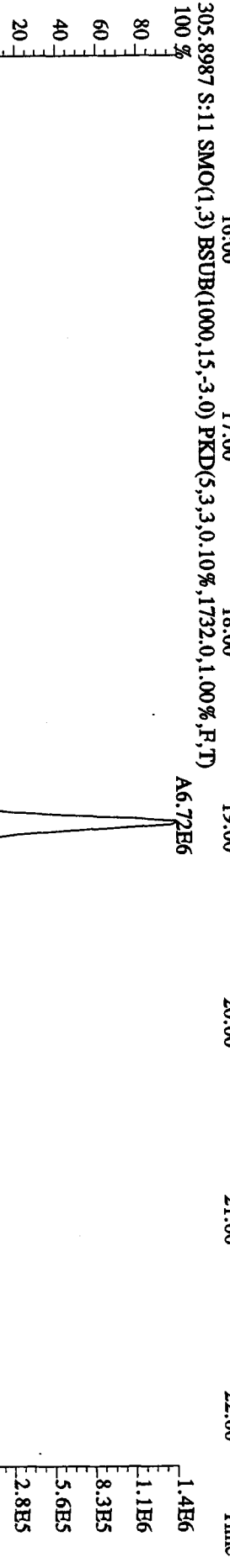
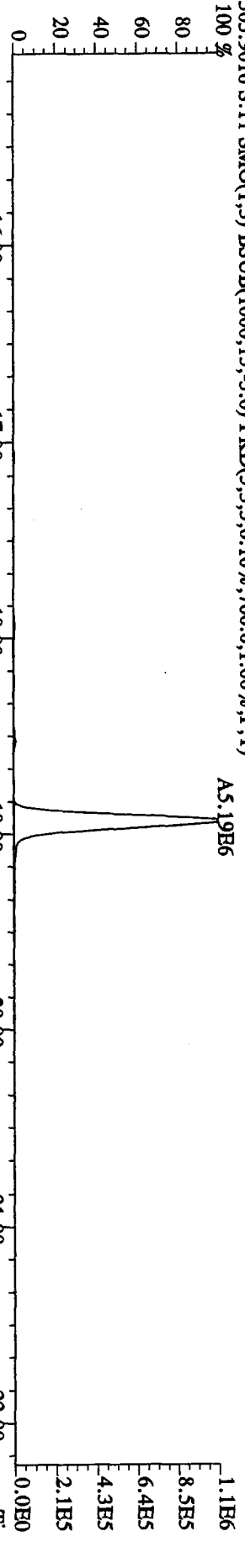
File:30AP104D5 #1-198 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0430 Solvent Blank C-14 Exp:DIOXINRES8290A



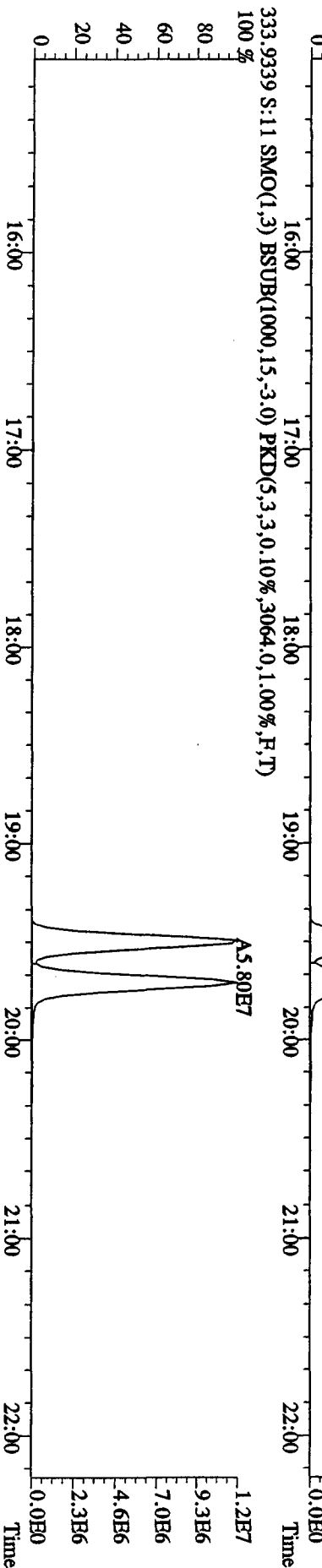
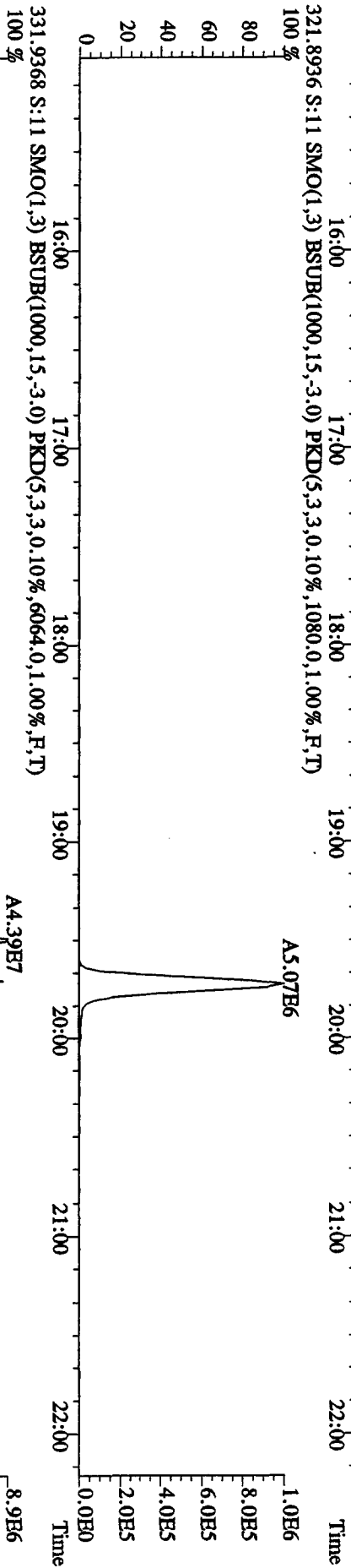
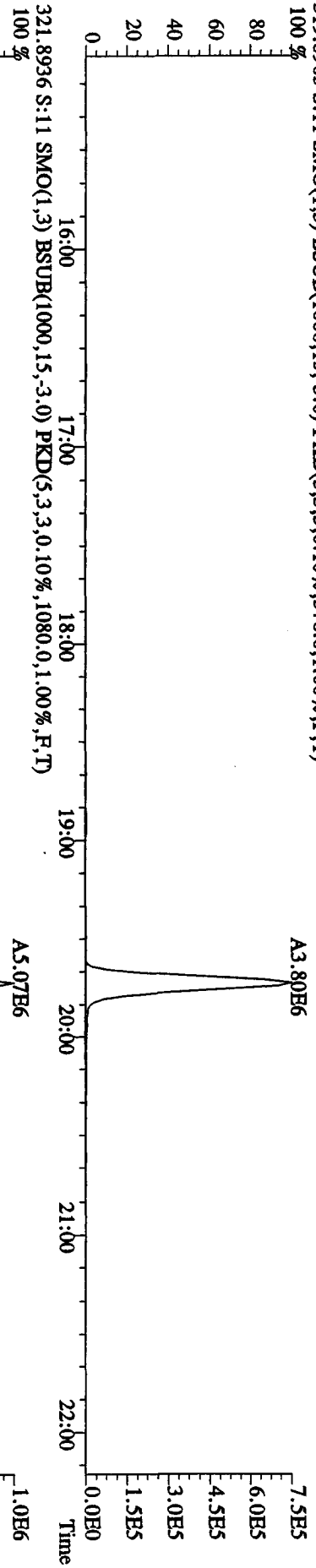
File:30ADP104D5 #1-190 Acq:30-APR-2010 09:46:25 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0430 :Solvent Blank C-14 Exp:DIOXINRES8290A
 442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 #36:36 36:50 36:58 37:13 37:32 37:44 38:02 38:20 38:31 38:41 38:54



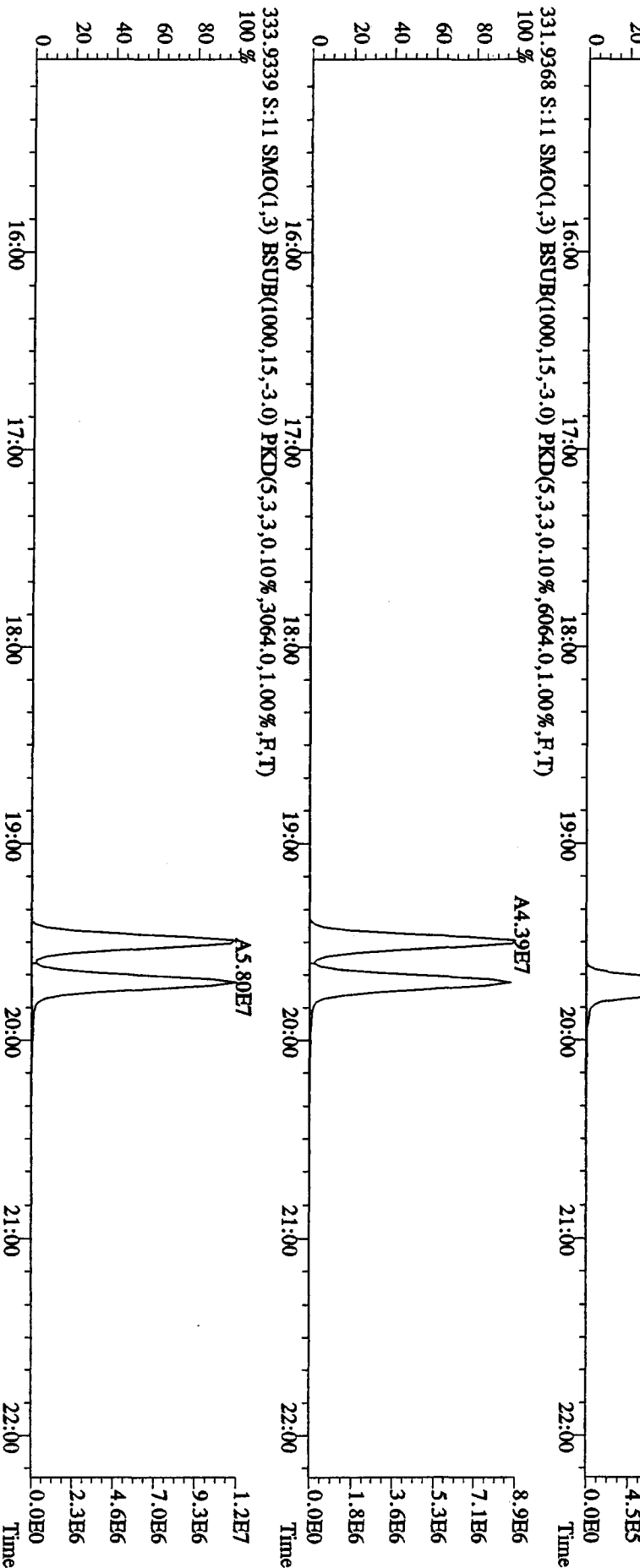
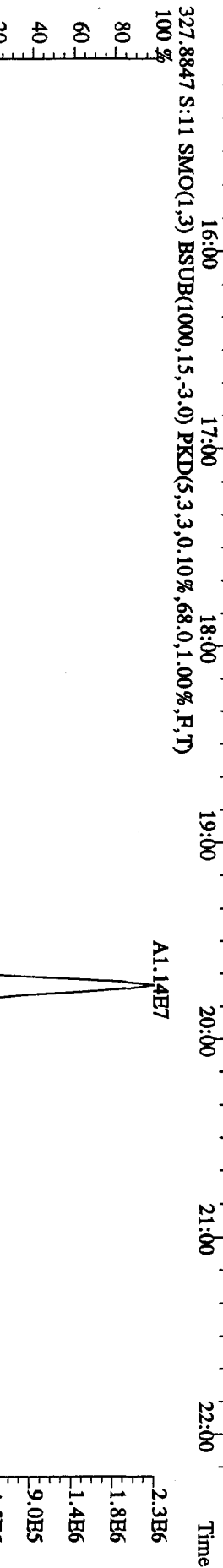
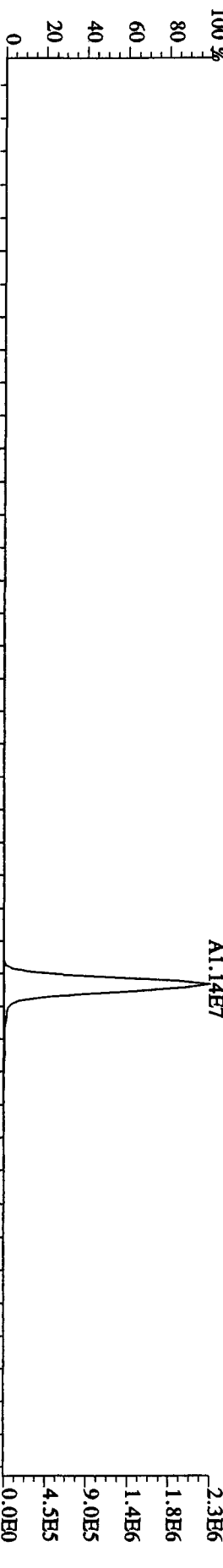
File:30AP104D5 #1-434 Acq:30-APR-2010 15:38:42 GC:EI+ Voltage:51R Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 303.9016 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,700,0,1,00%,F,T)
 100%



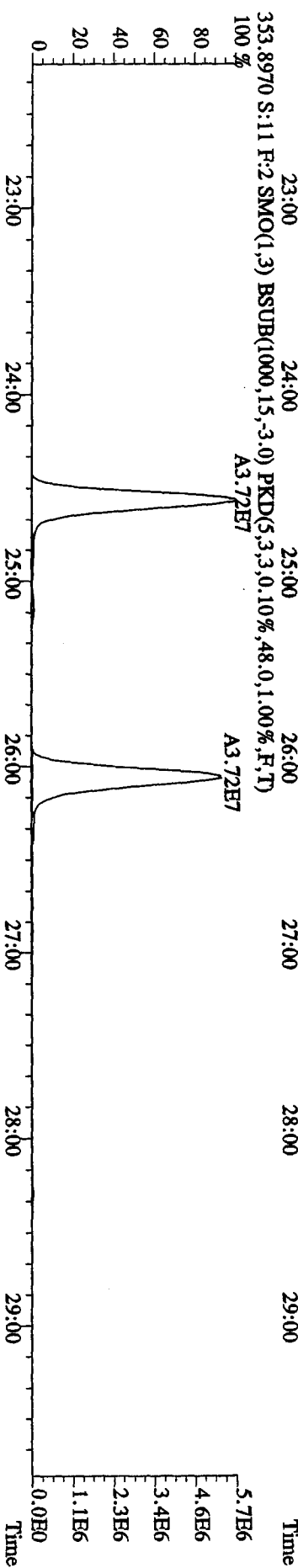
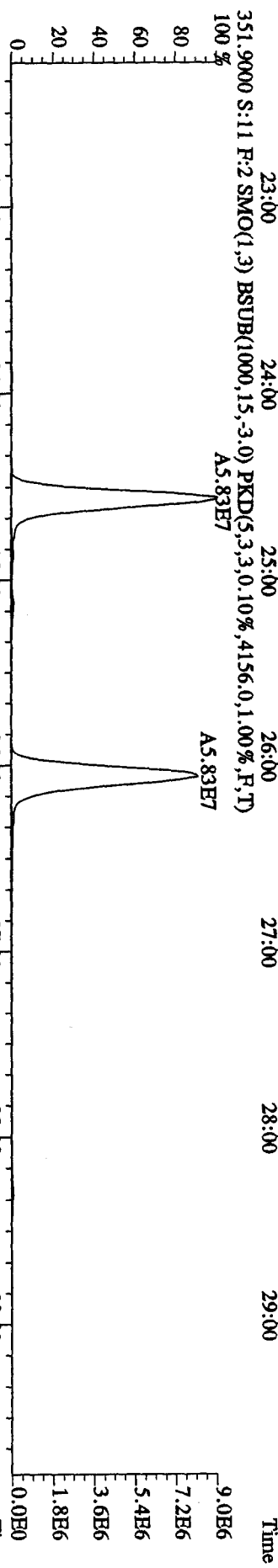
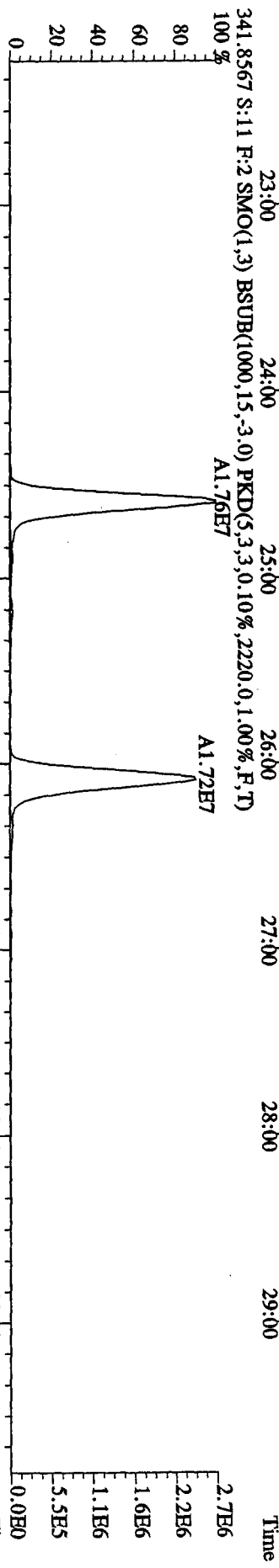
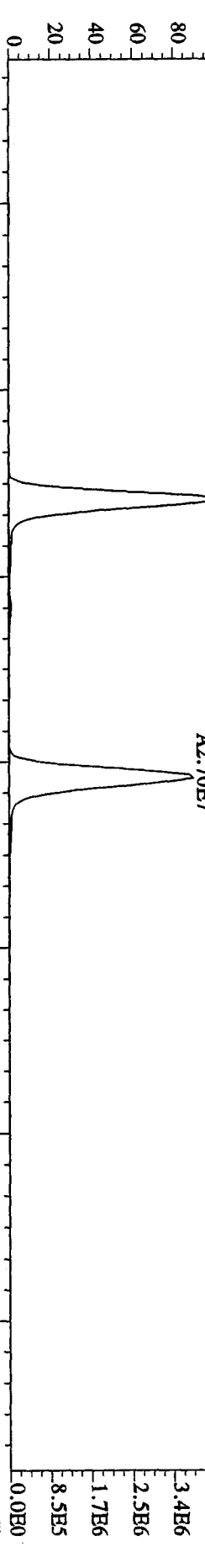
File:30AD104D5 #1-434 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0430A :CS3 10DXN083 Exp.:DIOXINRES8290A
319.8965 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,576.0,1.00%,F,T)
100%



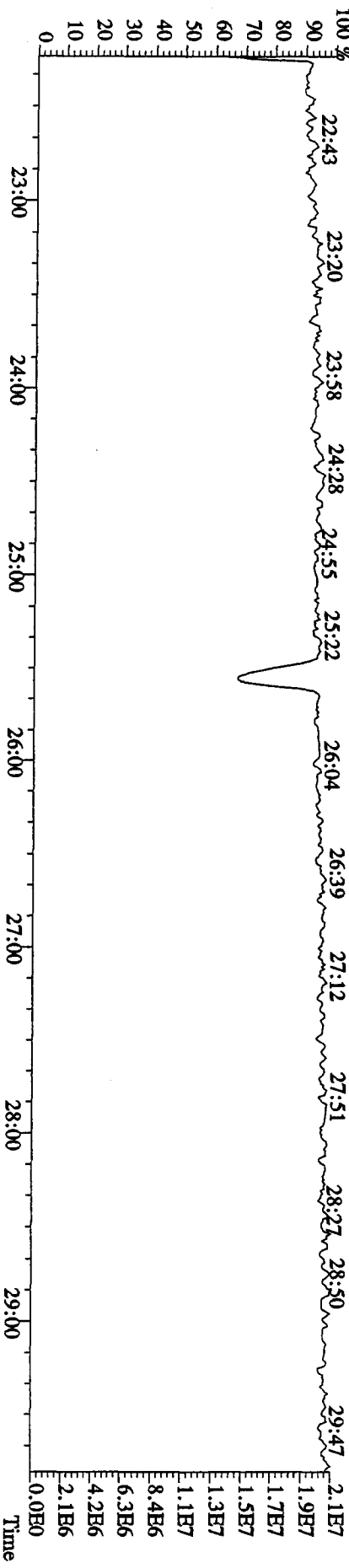
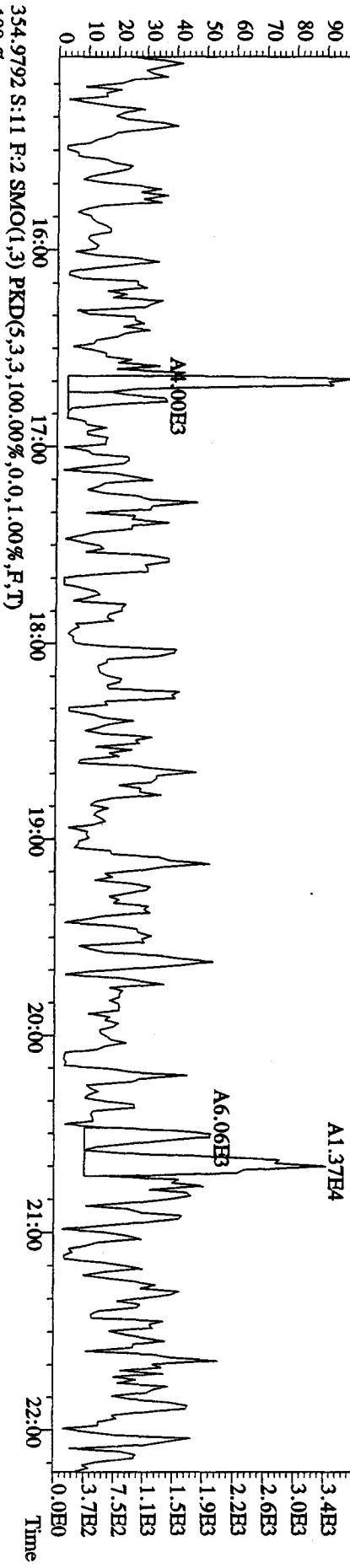
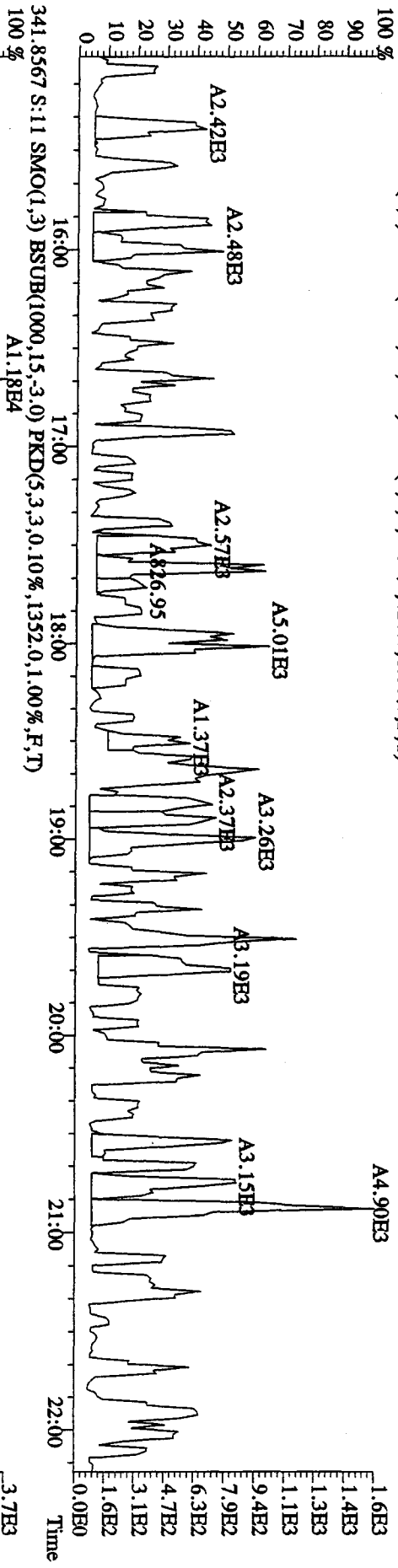
File:30API04D5 #1-434 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 327.8847 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



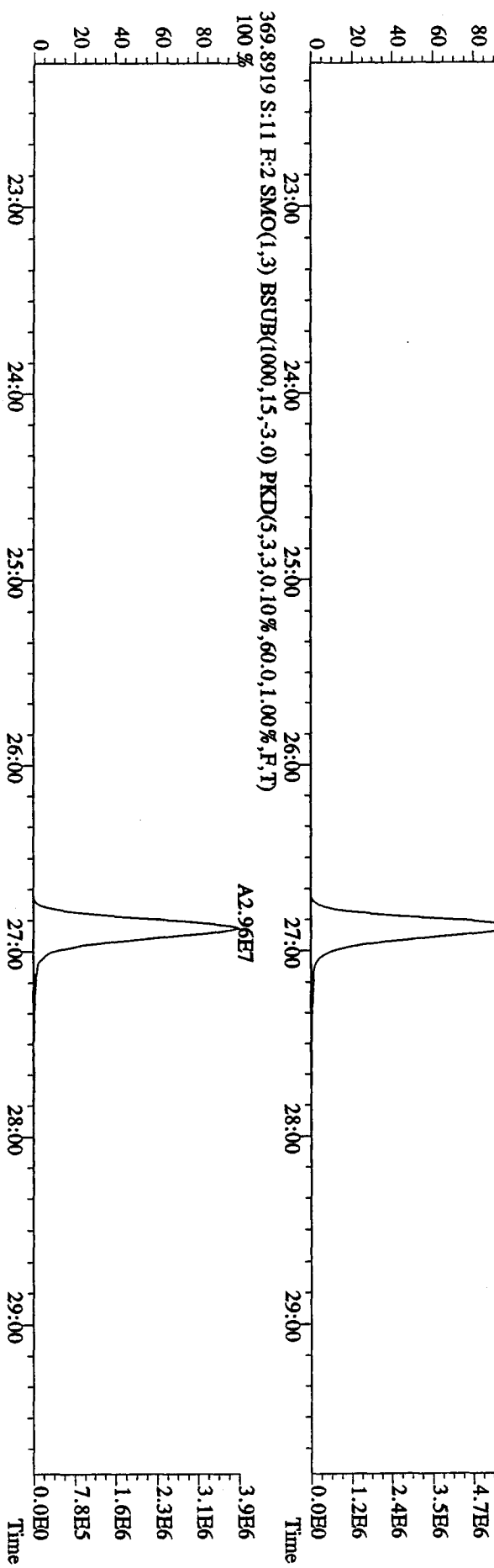
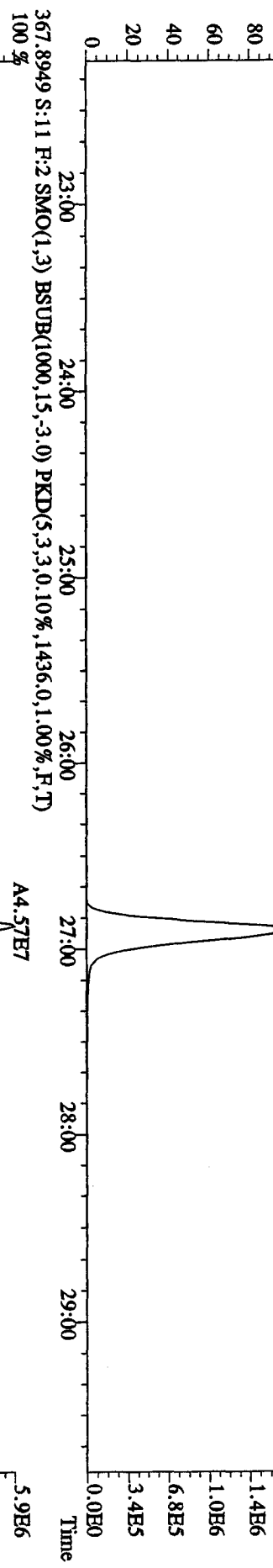
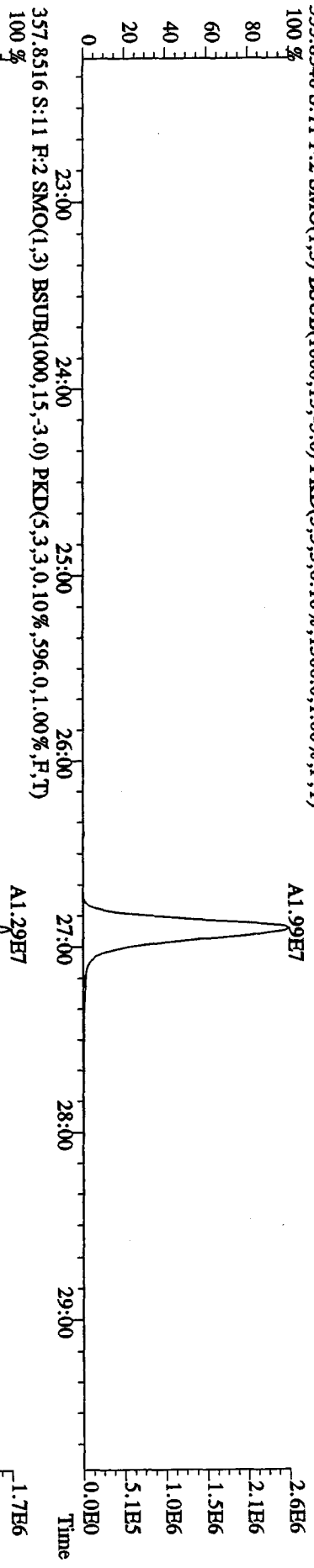
File:30AP104D5 #1-604 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#11 Text:ST0430A :CS3 10DDXN083 Exp:DIOXINRES8290A
 339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1672.0,1.00%,F,T)
 100%



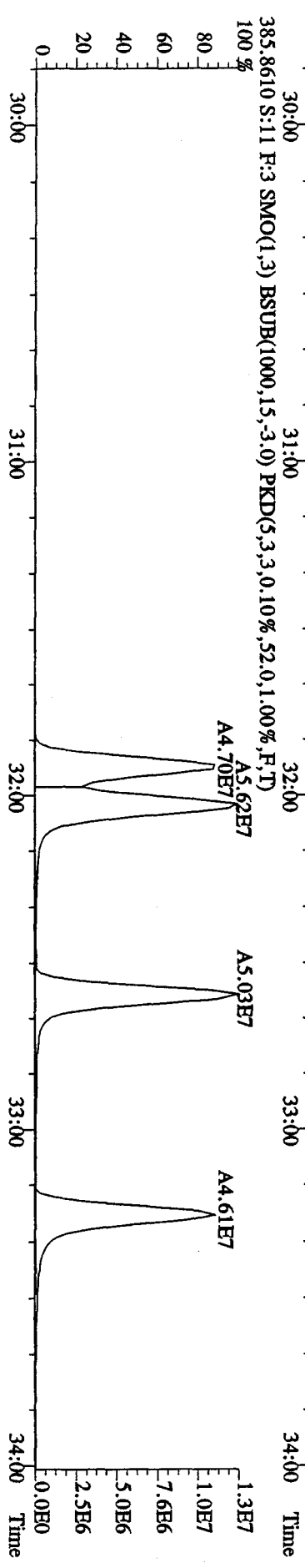
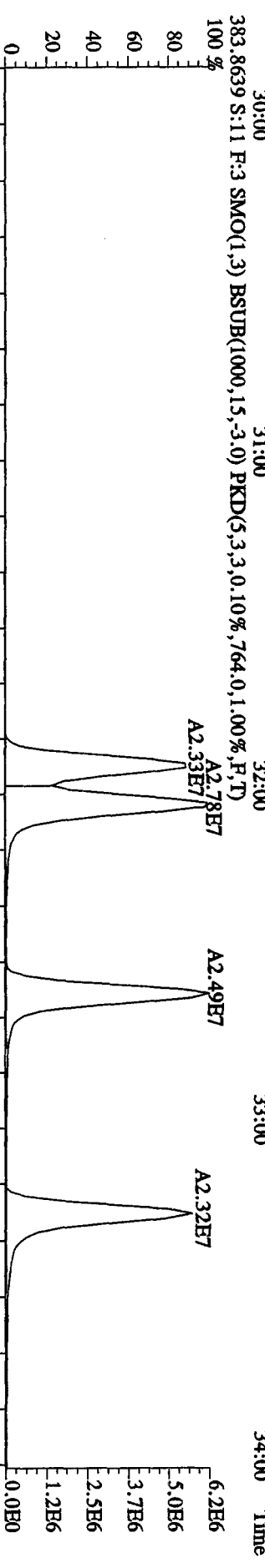
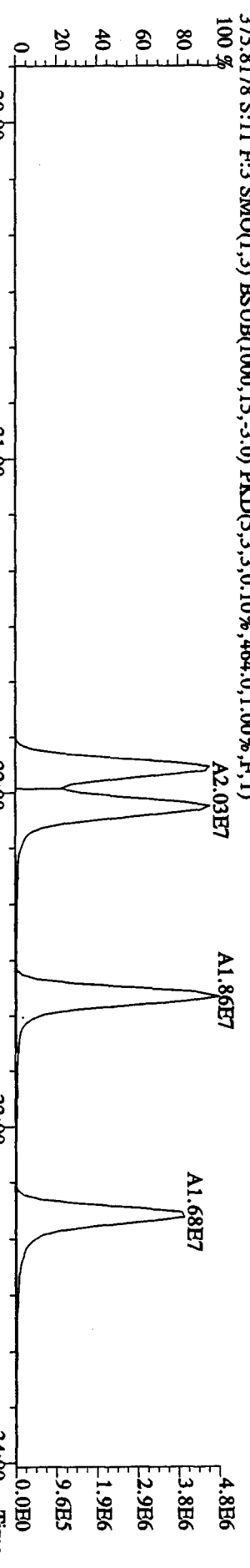
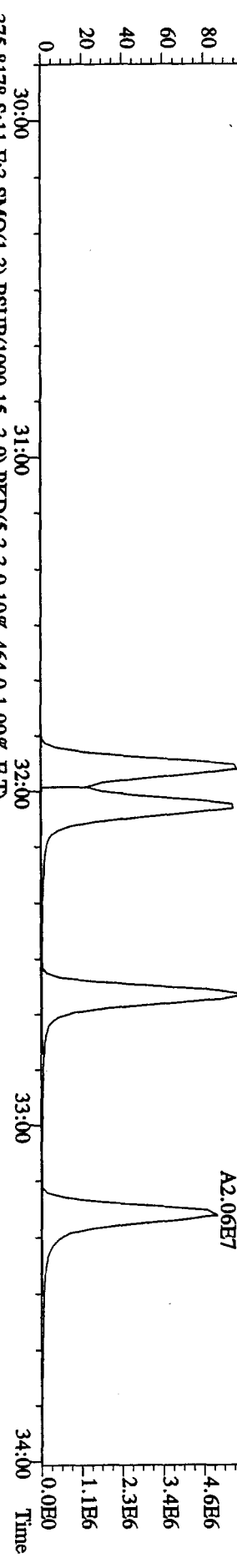
File:30API04D5 #1-434 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 339.8597 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,428.0,1.00%,F,T)



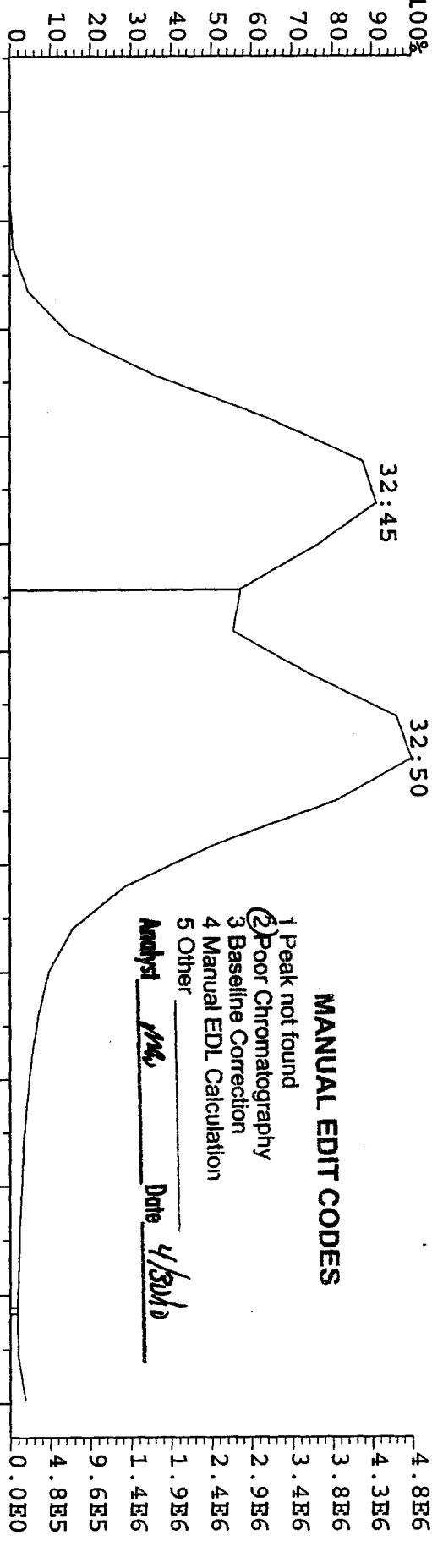
File:30AP104D5 #1-604 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 355.8546 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1300,0,1,00%,F,T)



File:30AP104D5 #1-317 Acq:30-APR-2010 15:38:42 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T) 100%
 A2.29E7



File: 30API04D5 #1-317 Acq: 30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 389.8157 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T) Exp: DIOXINRESS82>
 Sample Text: ST0430A :CS3 10DXN083

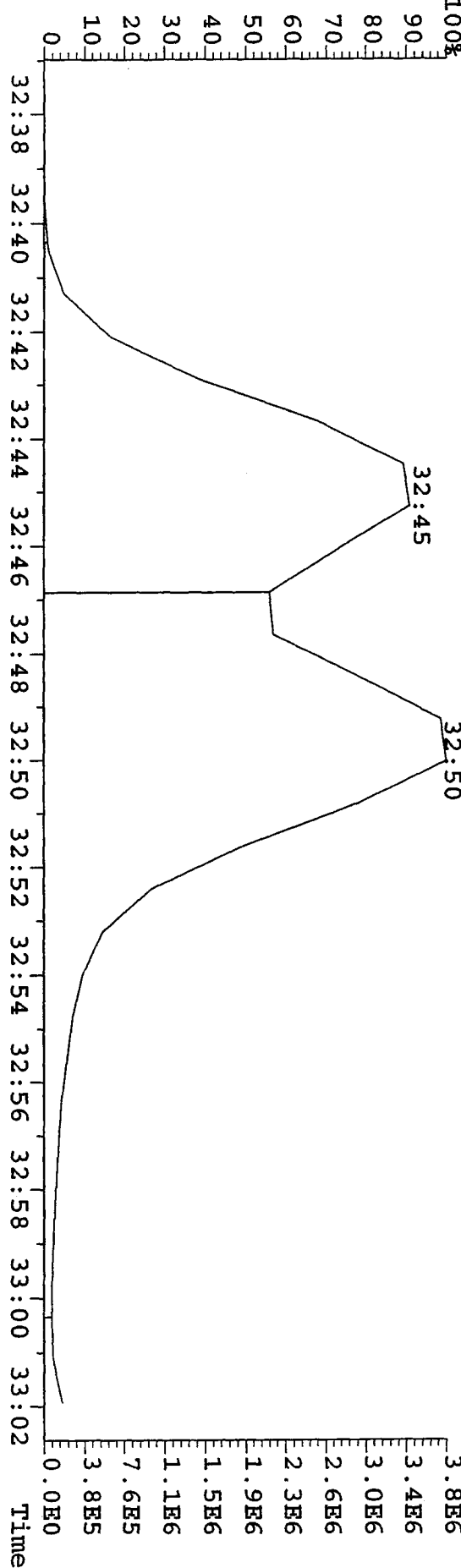


MANUAL EDIT CODES

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

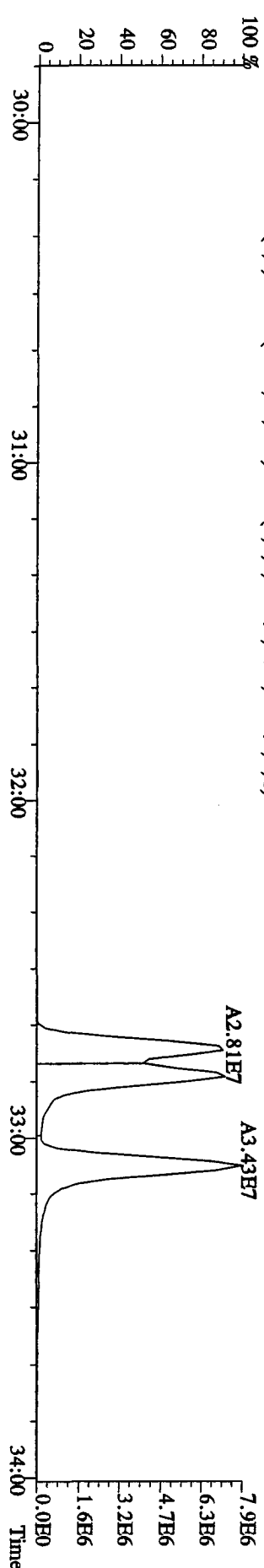
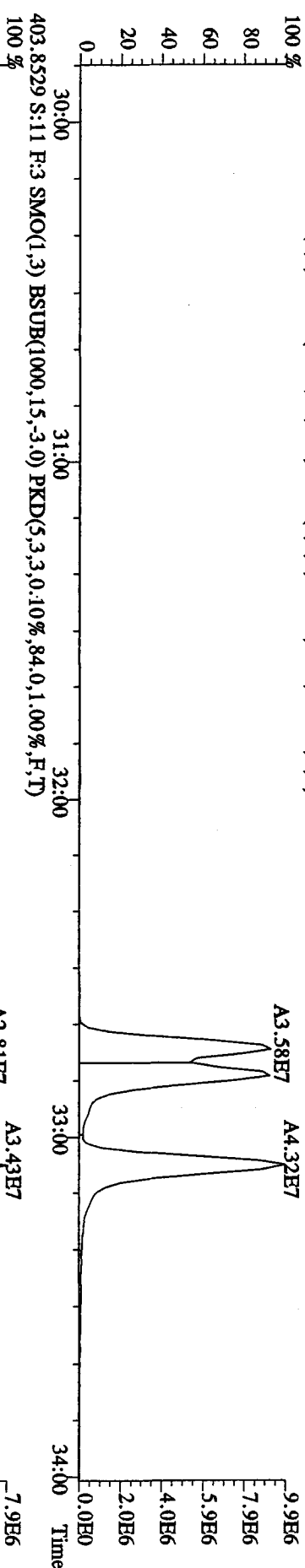
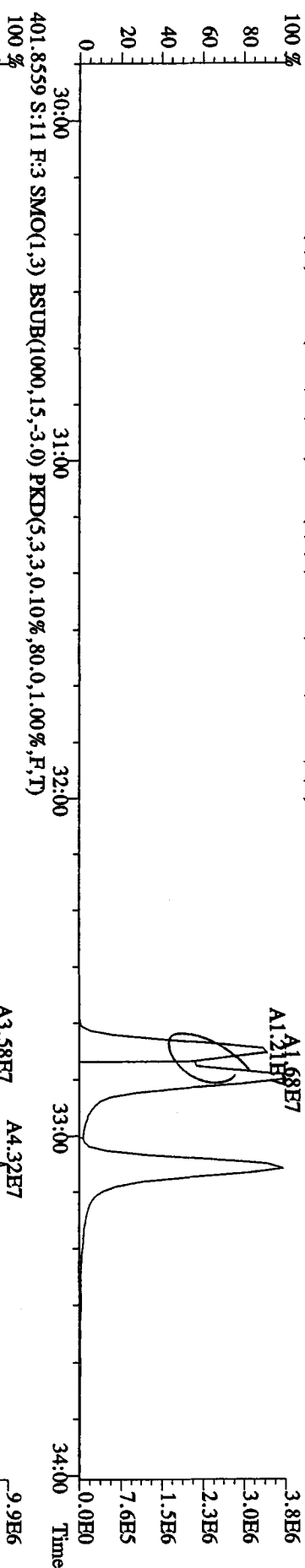
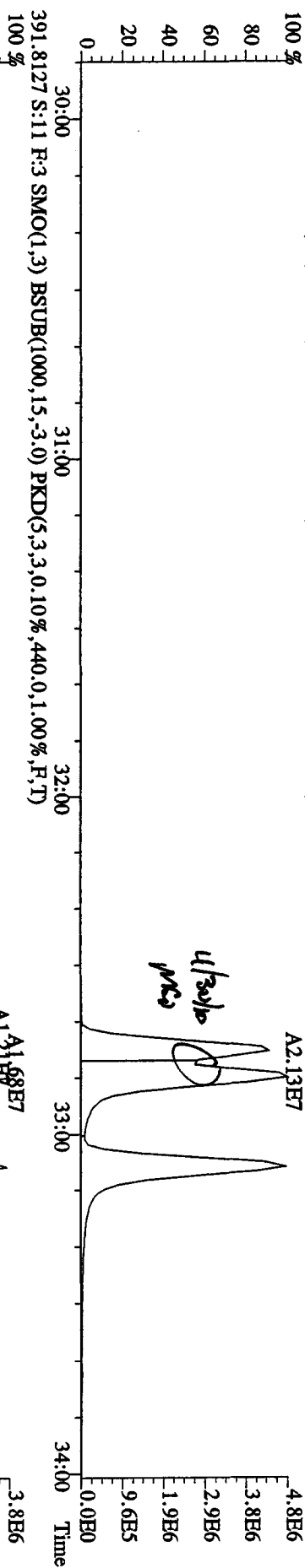
Analyst MLL Date 4/30/10

File: 30API04D5 #1-317 Acq: 30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 391.8127 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T) Exp: DIOXINRESS82>
 Sample Text: ST0430A :CS3 10DXN083

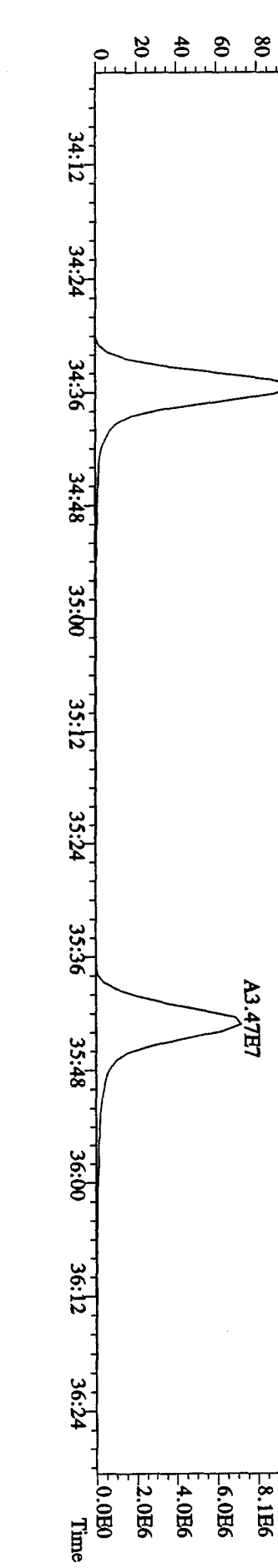
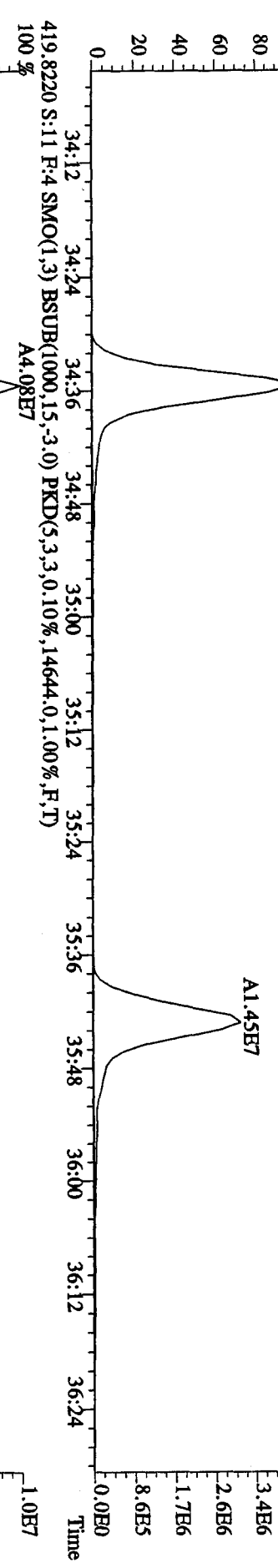
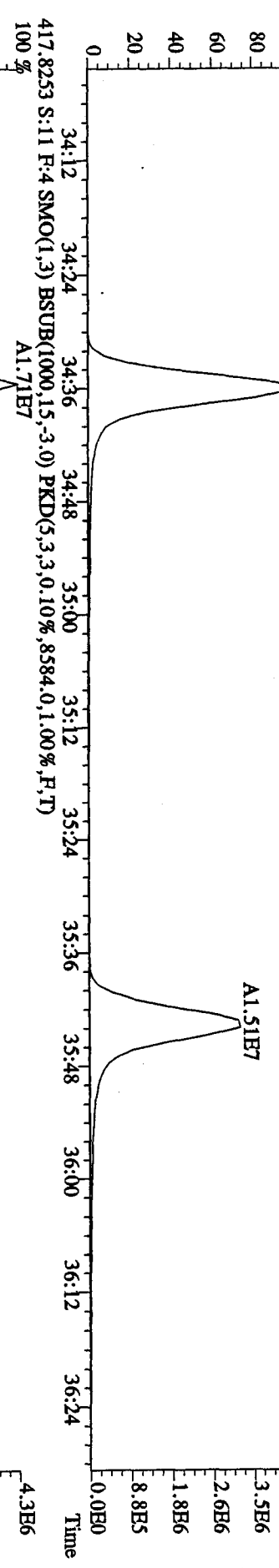
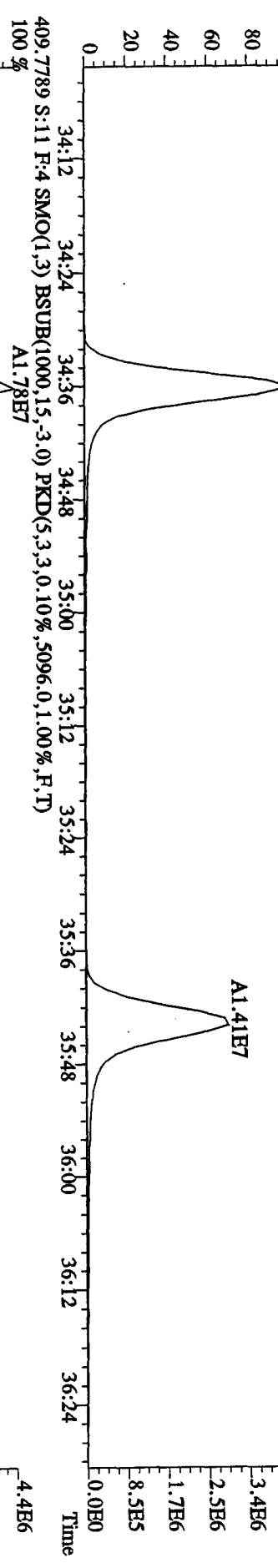


3.8E6
 3.4E6
 3.0E6
 2.6E6
 2.3E6
 1.9E6
 1.5E6
 1.1E6
 7.6E5
 3.8E5
 0.0E0

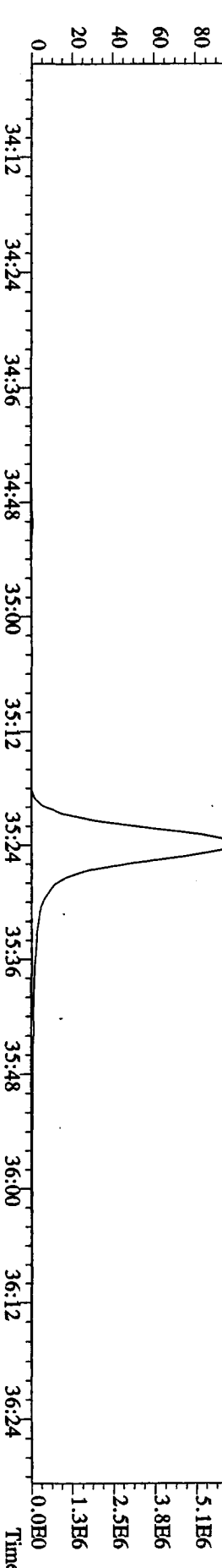
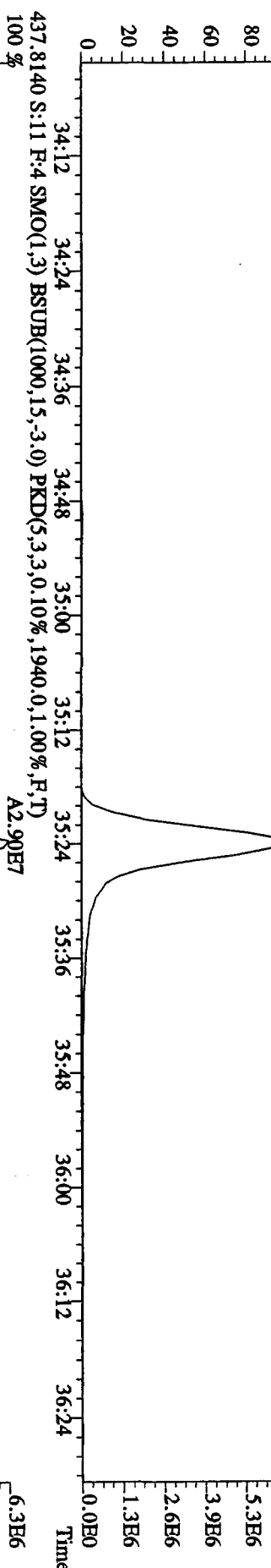
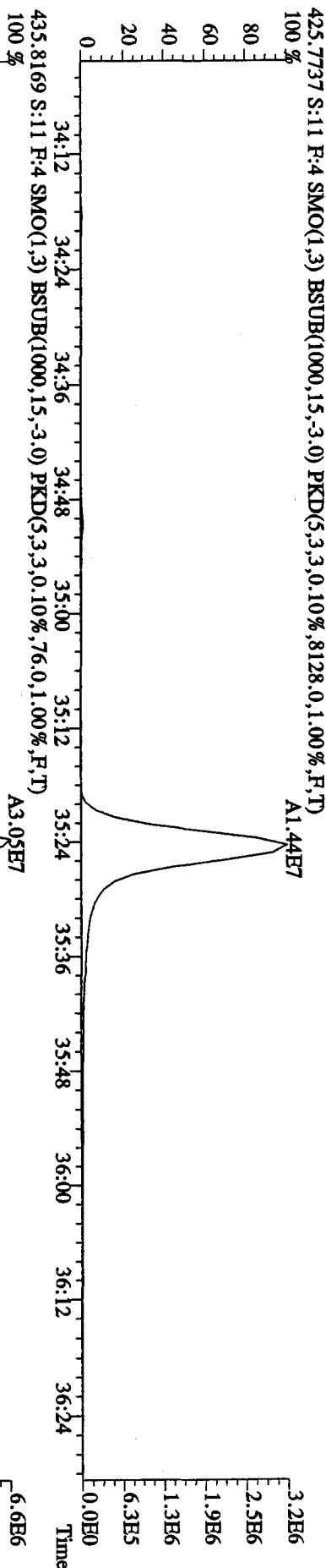
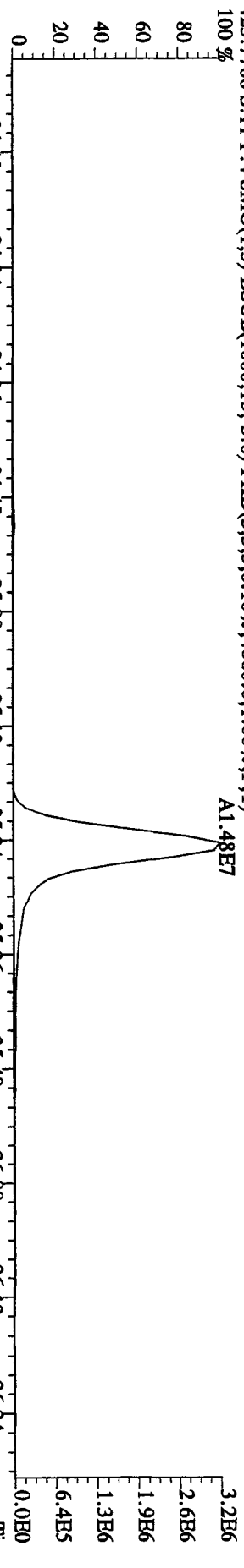
File:30ADP104D5 #1-317 Acq:30-APR-2010 15:38:42 GC:EI+ Voltage:50V Autospec-UltimaB
 Sample#11 Text:ST0430A :CS3 I0DXN083 Exp:DIOXINRES8290A
 389.8157 S:11 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,712.0,1.00%,F,T) 100%



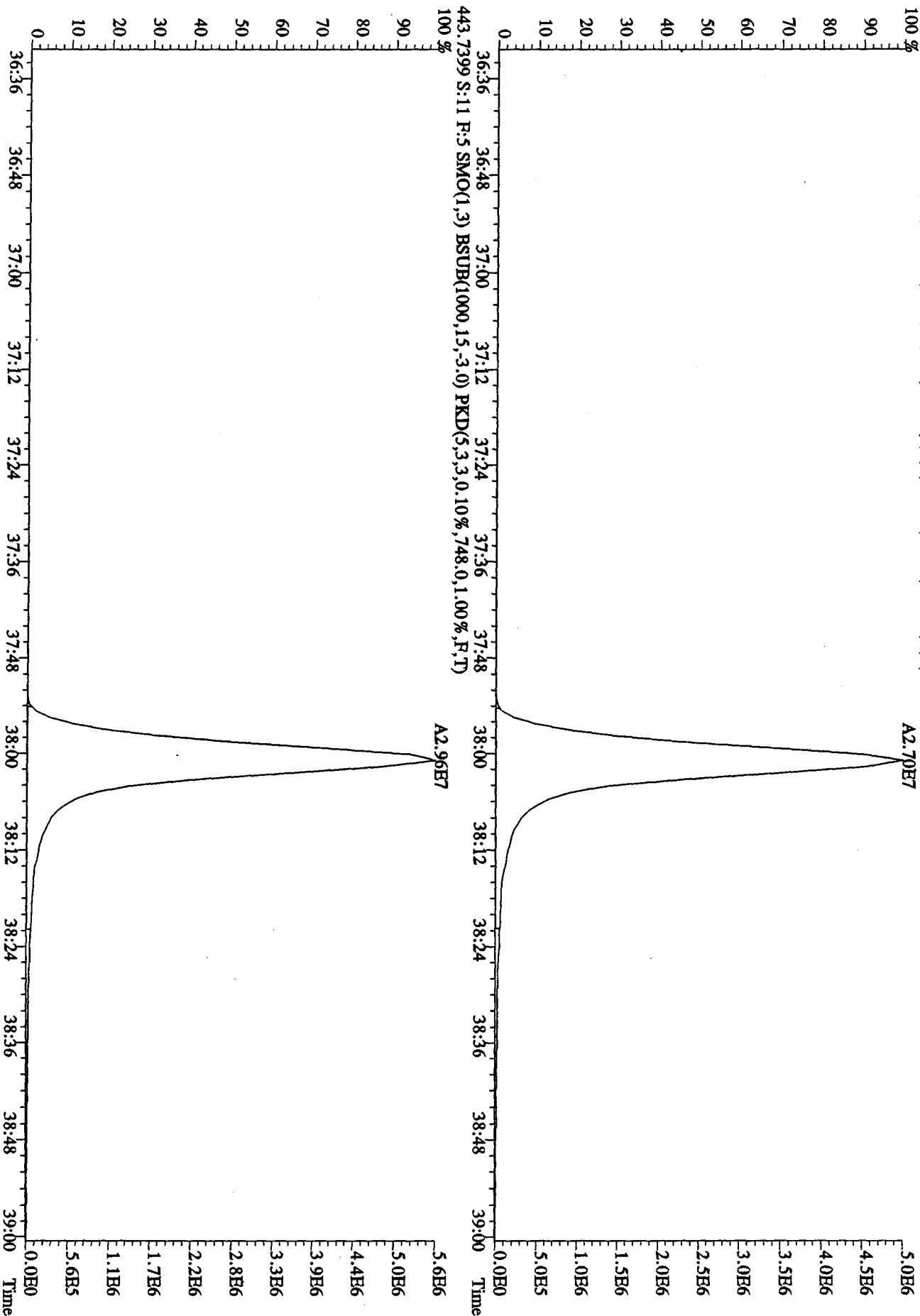
File:30ADP104D5 #1-198 Acq:30-APR-2010 15:38:42 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 407.7818 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7756,0,1.00%,F,T)
 100% A1.68E7



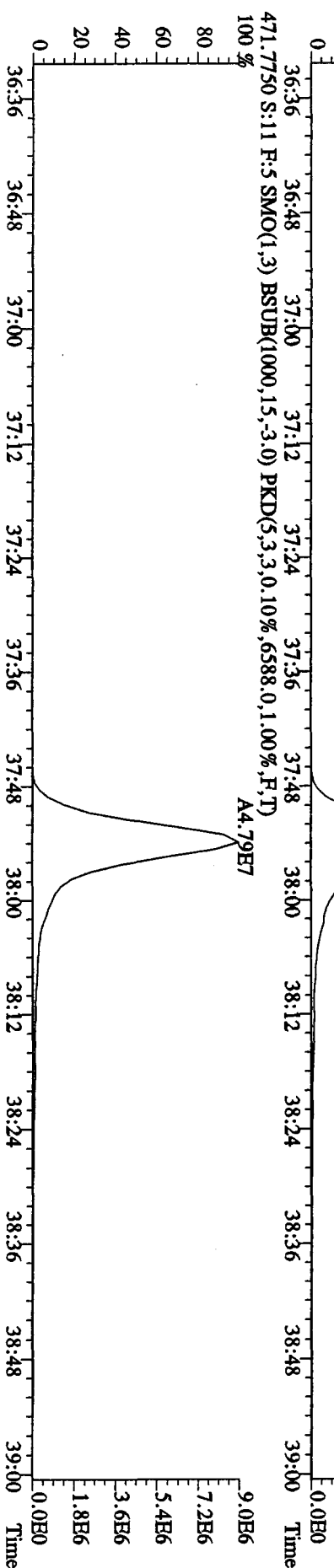
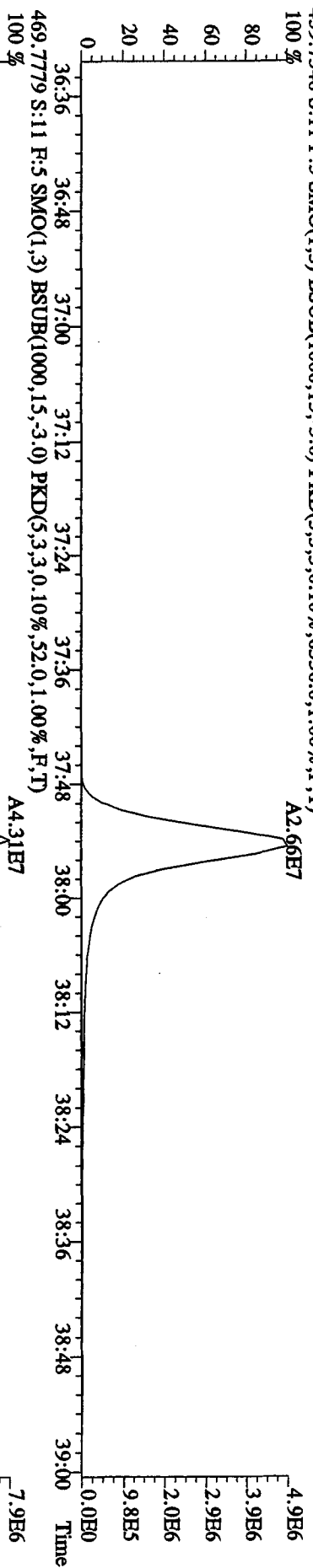
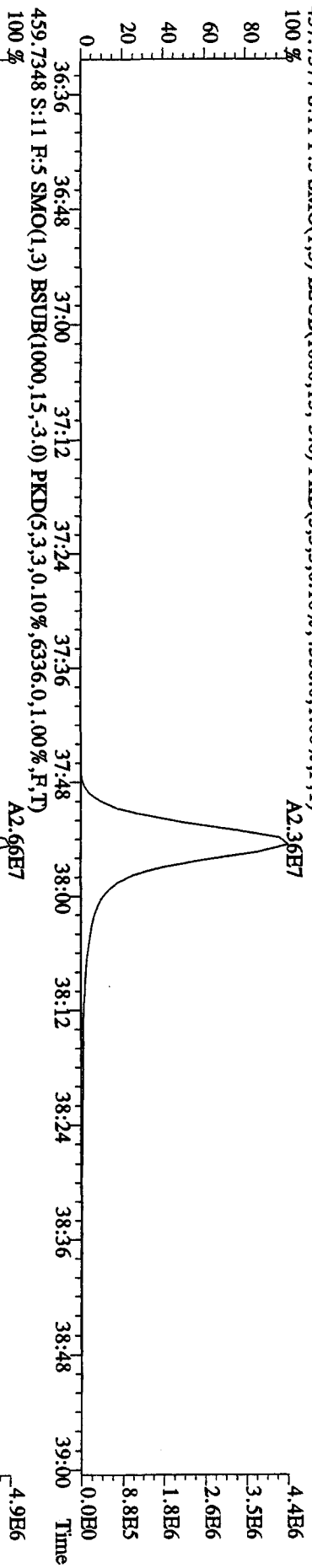
File:30AP104D5 #1-198 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 423.7737 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4860.0,1.00%,F,T)
 100%



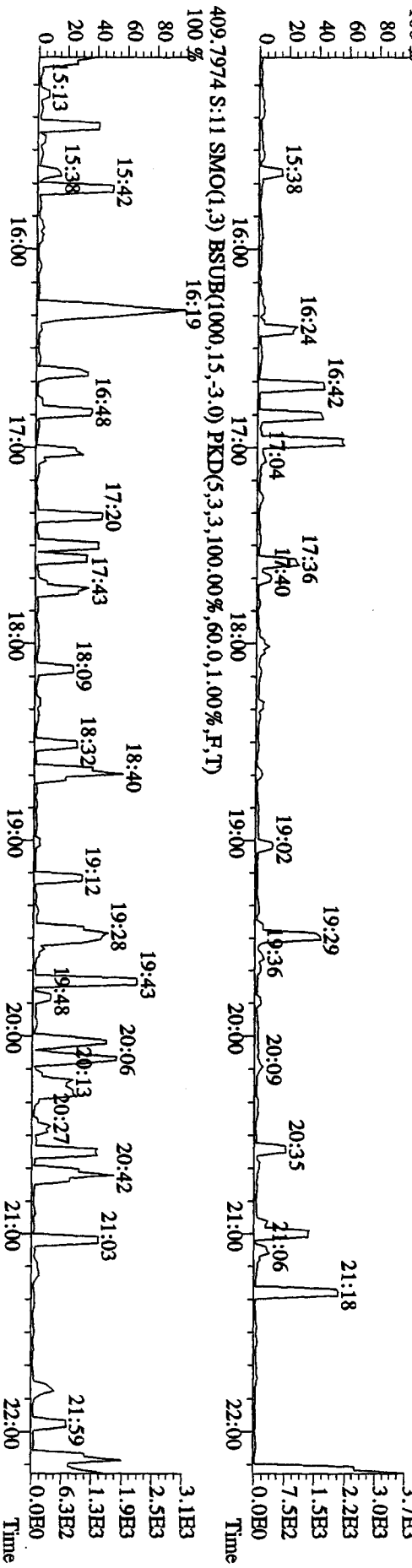
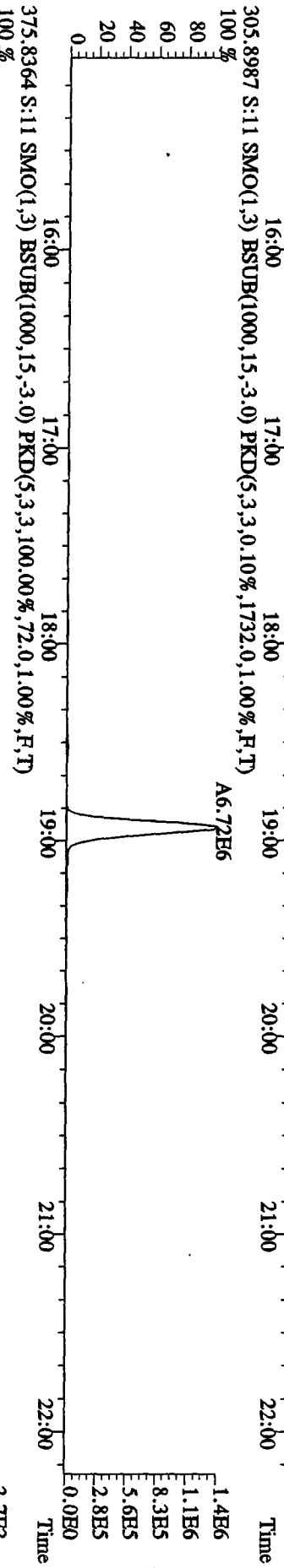
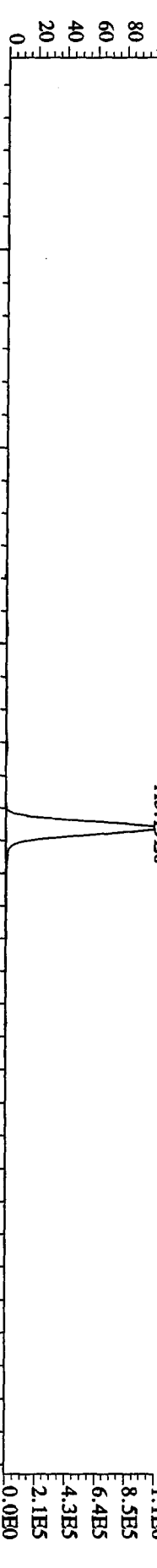
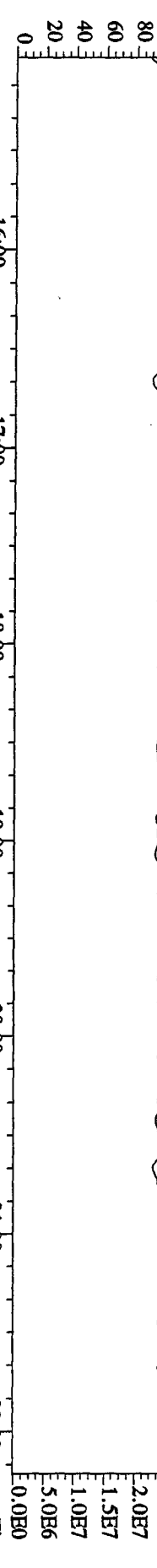
File: 30AP104D5 #1-190 Acq: 30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text: ST0430A :CS3 10DXN083 Exp: DIOXINRES8290A
441.7428 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,472.0,1.00%,F,T)
100%



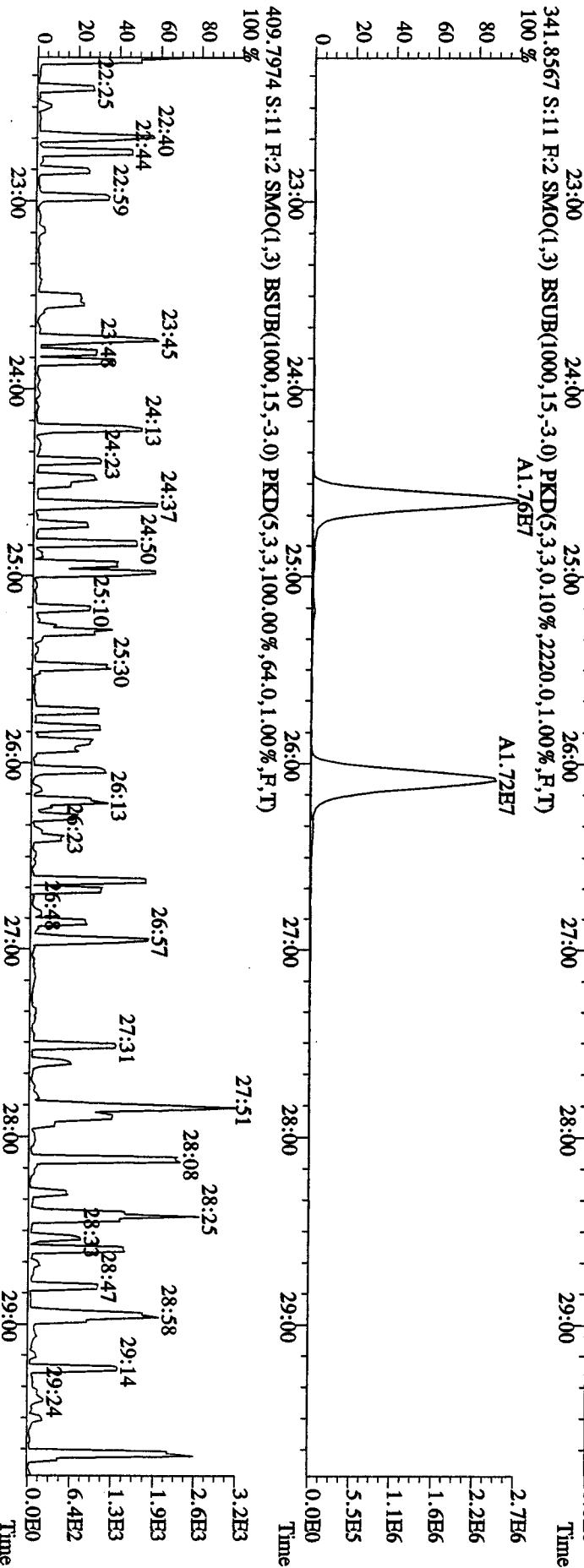
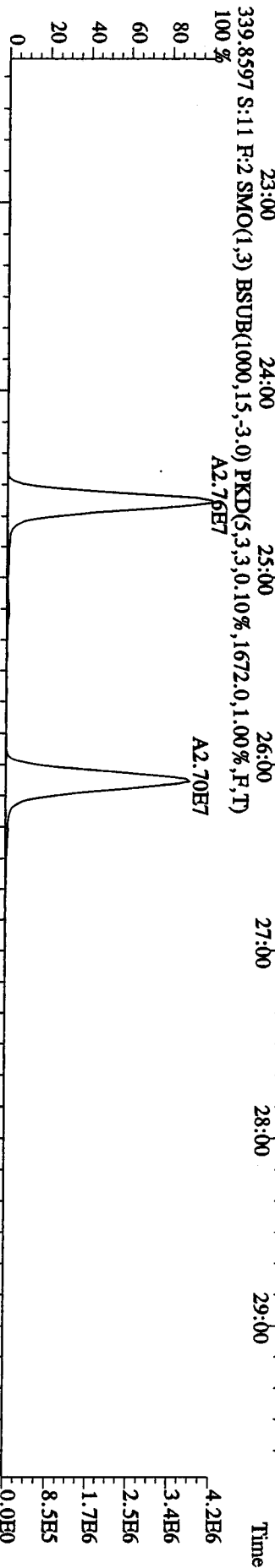
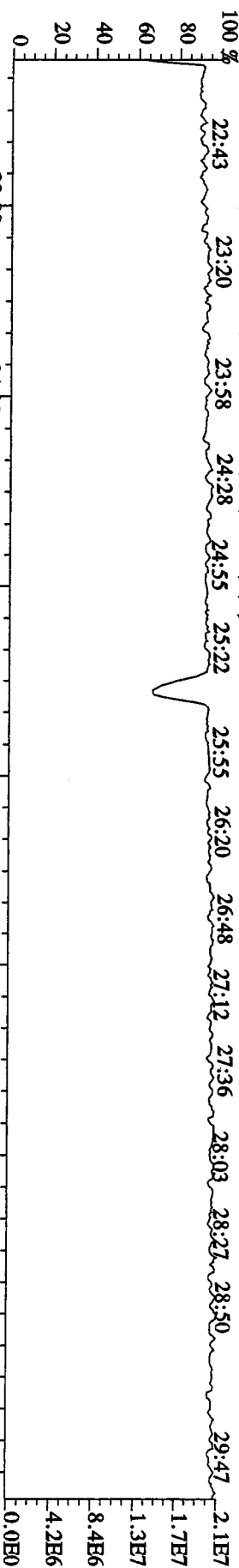
File:30AP104D5 #1-190 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 Text:ST0430A :CSS 10DXN083 Exp:DIOXINRES8290A
 457.7377 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4556.0,1.00%,F,T)

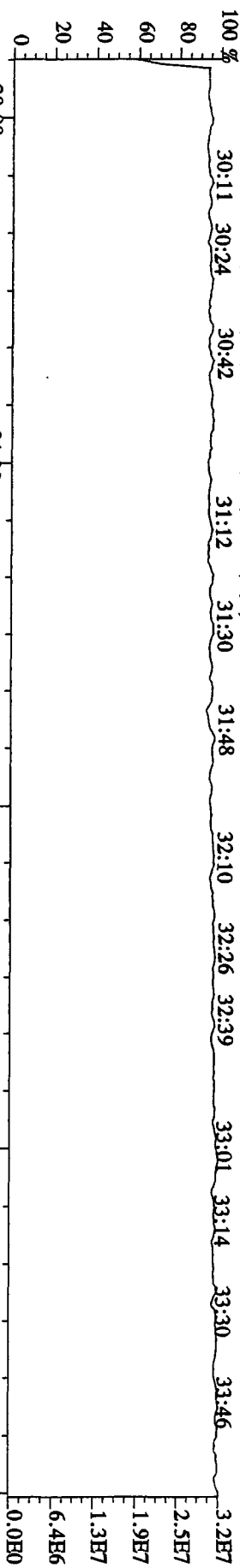


File:30AP104D5 #1-434 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 354.9792 S:11 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 15:31 15:31 16:13 16:46 17:15 17:38 18:01 18:27 18:49 19:15 19:46 20:31 21:00 21:24 21:48

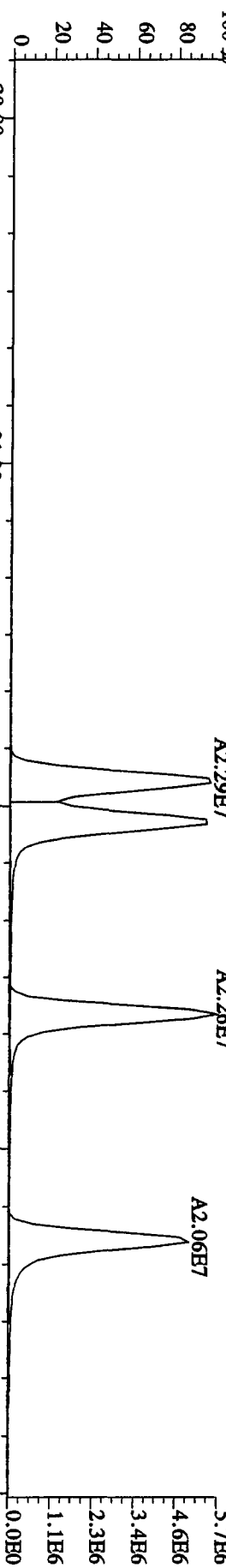


File:30AP104D5 #1-604 Acq:30-APR-2010 15:38:42 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 354.9792 S:11 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 409.7974 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,64.0,1.00%,F,T)

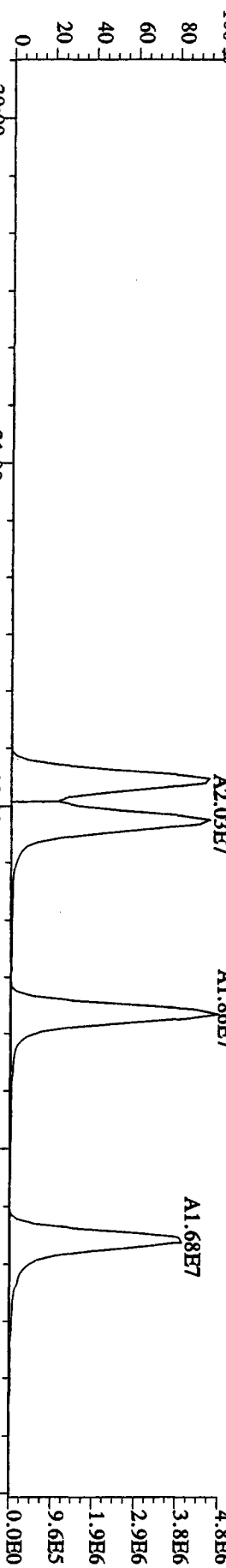




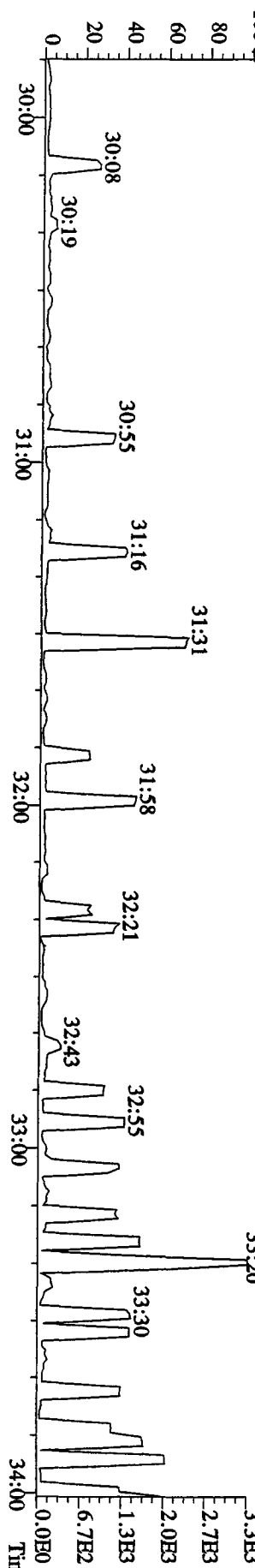
373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



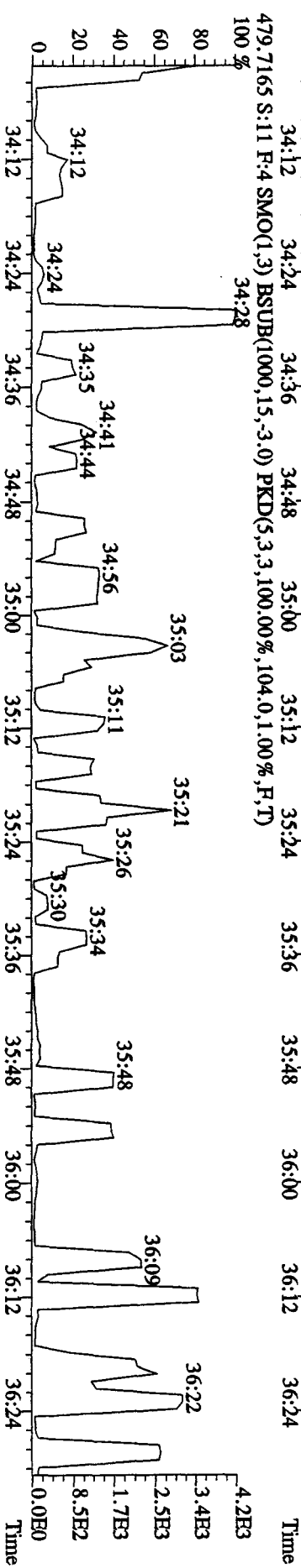
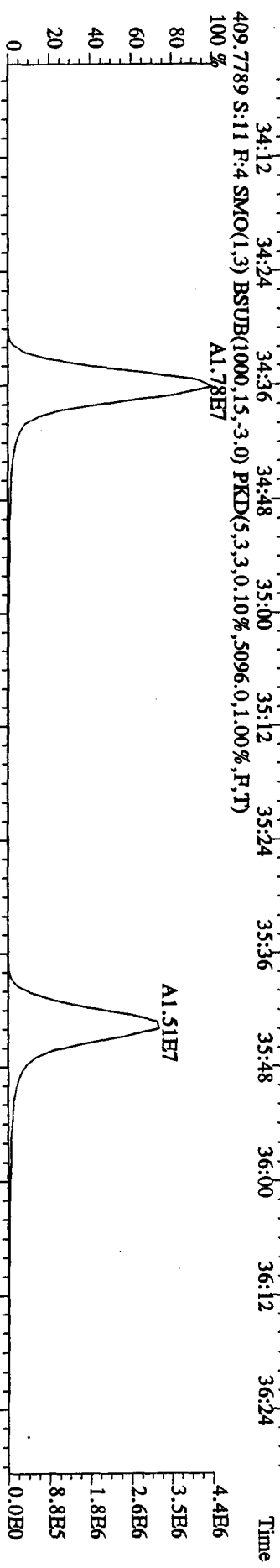
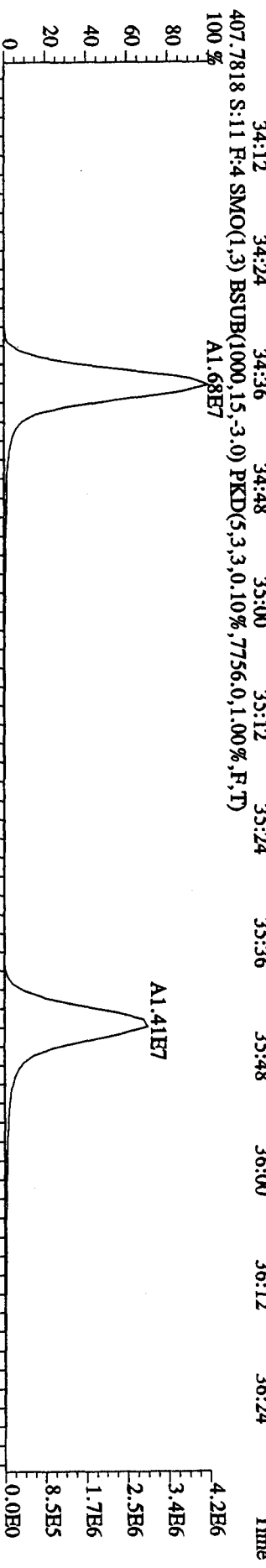
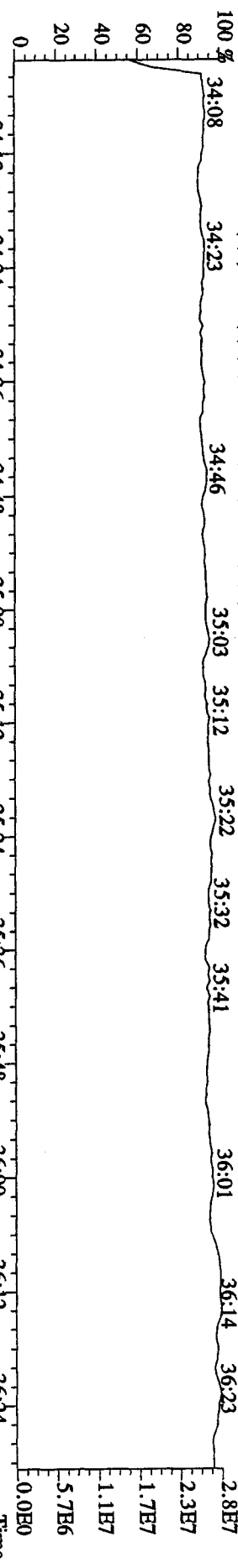
375.8178 S:11 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,464.0,1.00%,F,T)



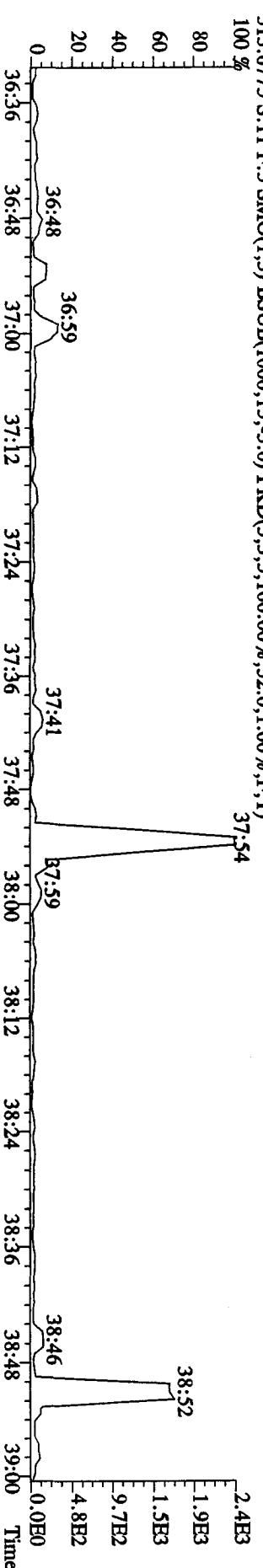
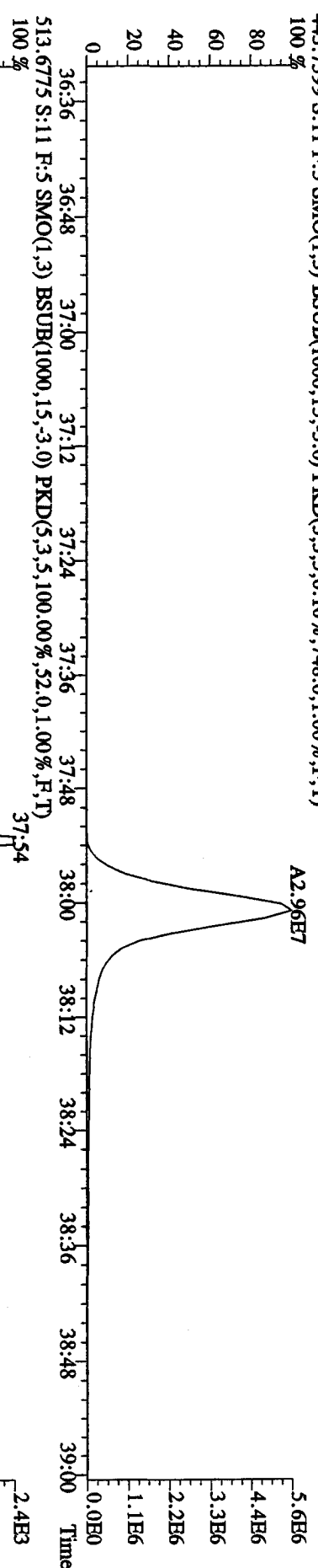
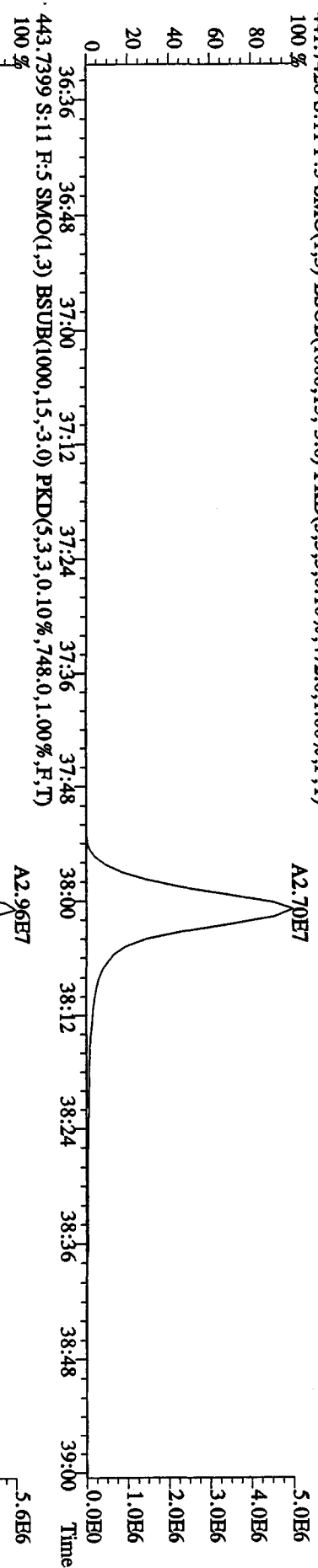
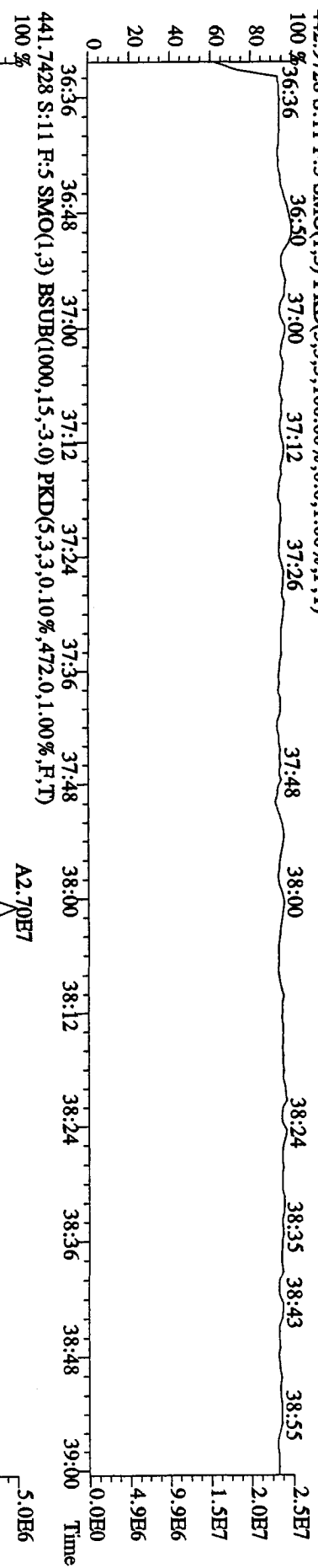
445.7555 S:11 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)



File:30AP104D5 #1-198 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 430.9728 S:11 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 34:08 34:23 34:46 35:03 35:12 35:22 35:32 35:41 36:01 36:14 36:23



File:30API04D5 #1-190 Acq:30-APR-2010 15:38:42 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#11 Text:ST0430A :CS3 10DXN083 Exp:DIOXINRES8290A
 442.9728 S:11 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 36:36 36:50 37:00 37:12 37:26 37:48 38:00 38:24 38:35 38:43 38:55



Method ID 8290

Associated ICAL DB2250421105D2

Column ID DB-225

Instrument ID 5D2

STD ID ST0429, ST0429A

STD Solution 10DXN111

Analyzed by AS

Date Analyzed 4-29-10

Std. Pkg. By AM

Date Std. Pkg. Assembled 4-29-10

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? (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: ST0429 File text: CS3 10DXN111
Run #6 Filename 29AP105D2 S: 1 I: 1
Acquired: 29-APR-10 08:36:16 Processed: 29-APR-10 19:10:28
Run: 29AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 29AP105D2DB225

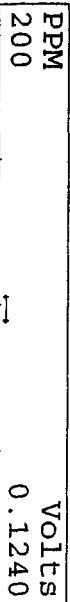
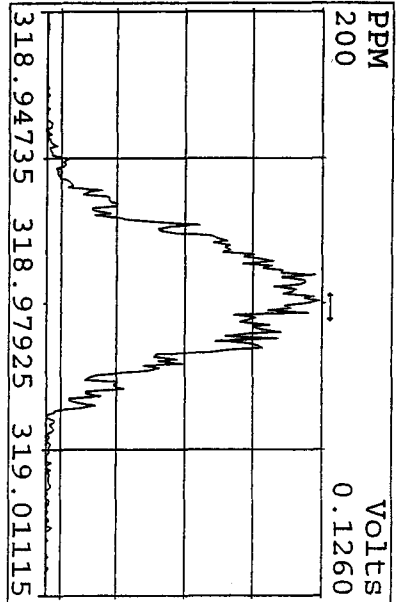
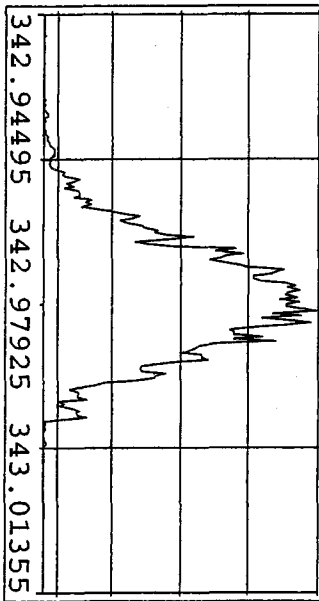
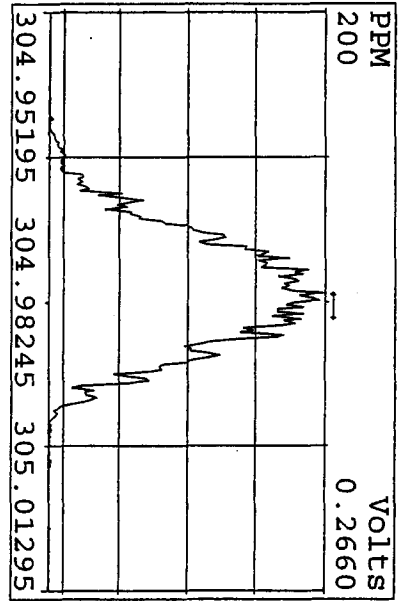
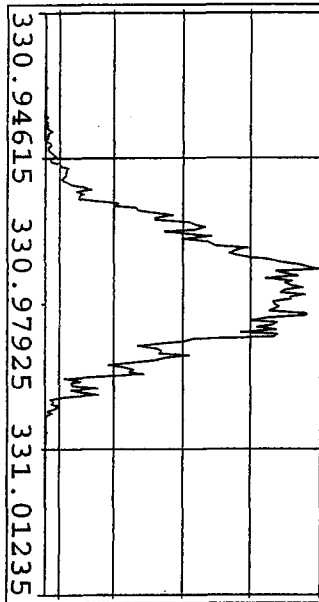
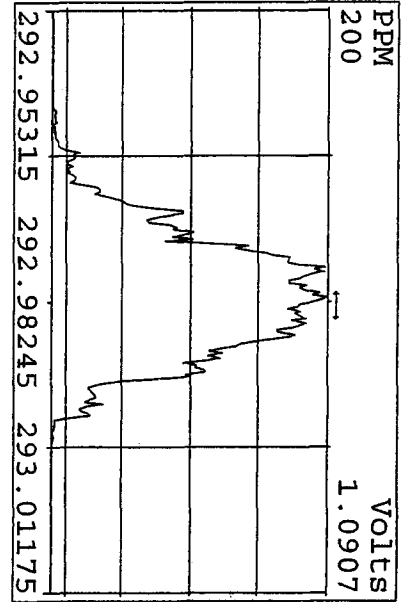
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	87868300	0.77 y	15:01	-	100.00	-	n
13C-2,3,7,8-TCDF	177530600	0.83 y	16:11	2.02	100.00	-4.1	n
2,3,7,8-TCDF	19047140	0.76 y	16:13	1.07	10.00	-1.4	n
13C-2,3,7,8-TCDD	86286700	0.75 y	14:48	0.98	100.00	3.5	n
2,3,7,8-TCDD	12539550	0.82 y	14:50	1.45	10.00	7.1	n
37Cl-2,3,7,8-TCDD	20096800	1.00 y	14:50	2.29	10.00	0.4	n

Run text: ST0429A File text: CS3 10DXN111
Run #20 Filename 29AP105D2 S: 17 I: 1
Acquired: 29-APR-10 18:29:40 Processed: 29-APR-10 19:12:04
Run: 29AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 29AP105D2DB225

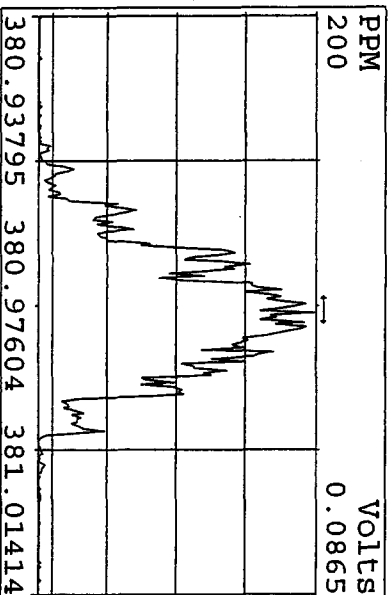
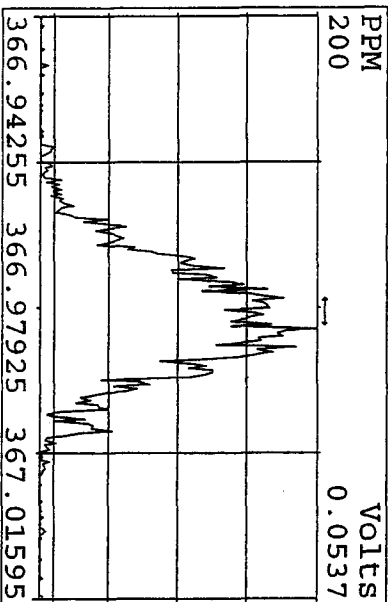
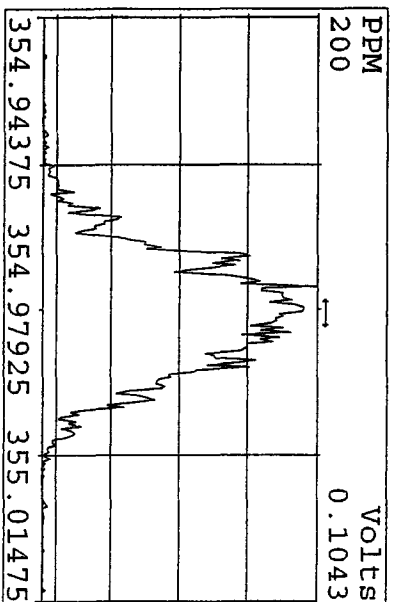
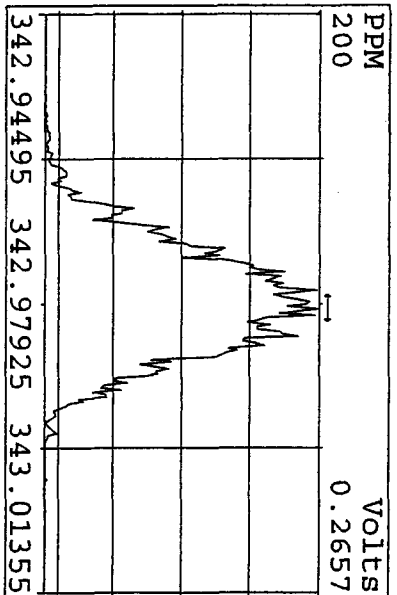
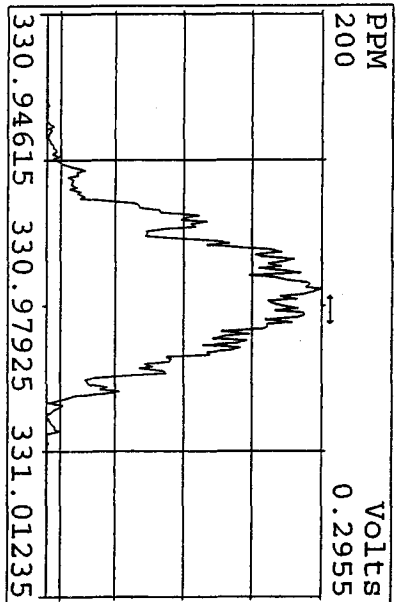
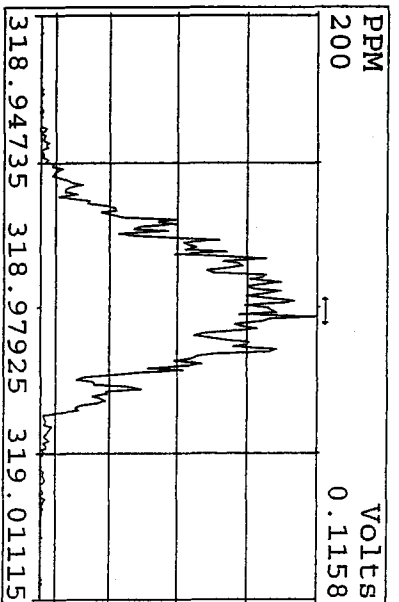
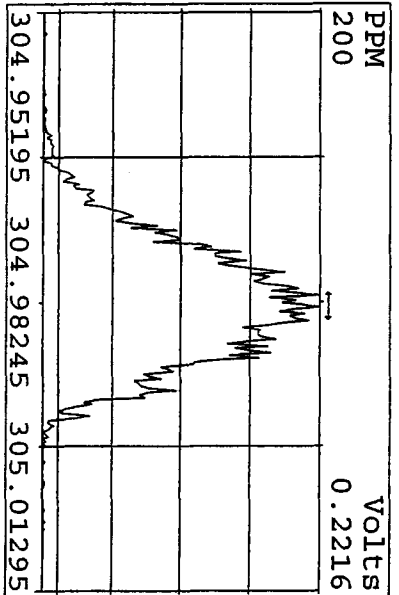
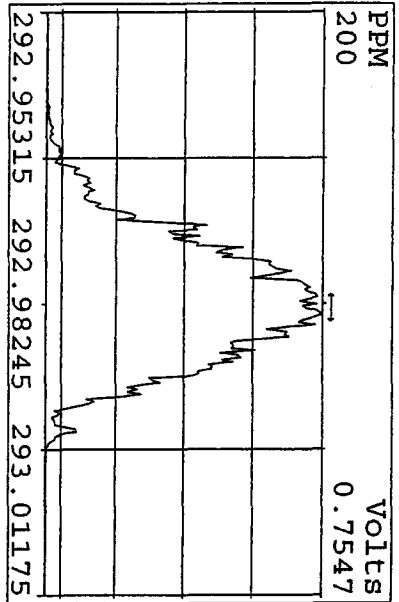
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	89059200	0.76 y	14:56	-	100.00	-	n
13C-2,3,7,8-TCDF	180240700	0.82 y	16:07	2.02	100.00	-3.9	n
2,3,7,8-TCDF	19507600	0.75 y	16:08	1.08	10.00	-0.6	n
13C-2,3,7,8-TCDD	89059800	0.75 y	14:44	1.00	100.00	5.4	n
2,3,7,8-TCDD	12829170	0.84 y	14:45	1.44	10.00	6.1	n
37C1-2,3,7,8-TCDD	21042200	1.00 y	14:45	2.36	10.00	3.7	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
29AP105D2	1	ST0429	CS3 10DXN111				1.000	
29AP105D2	2	CP0429	DB-225 CPSM 3732-06				1.000	
29AP105D2	3	SB0429	Solvent Blank C-14				1.000	
29AP105D2	4	LX7EN-2-AC	G0D190475-1 RX	20	8290/SOLID	84	10.010 g	
29AP105D2	5	LX7EW-2-AC	G0D190475-6 RX	20	8290/SOLID		10.140 g	
29AP105D2	6	LX7ER-2-AC	G0D190475-4 RX	20	8290/SOLID		10.480 g	
29AP105D2	7	LXV55-1-AE	G0D130435-21	10	8290/SOLID	73	10.120 g	
29AP105D2	8	LXV57-1-AD	G0D130435-22	10	8290/SOLID		10.680 g	
29AP105D2	9	LXV59-1-AD	G0D130435-23	10	8290/SOLID		10.650 g	
29AP105D2	10	LXV6A-1-AE	G0D130435-24	10	8290/SOLID		10.190 g	
29AP105D2	11	LX0RC-1-AD	G0D140543-52	10	8290/SOLID	75	10.010 g	
29AP105D2	12	LX0QG-1-AD	G0D140543-27	10	8290/SOLID		10.160 g	
29AP105D2	13	LXTAR-1-AC	G0D100464-1	10	8290/SOLID	73	10.180 g	
29AP105D2	14	LXTAR-1-AD	G0D100464-1MS	10	8290/SOLID		10.100 g	
29AP105D2	15	LXTAR-1-AE	G0D100464-1SD	10	8290/SOLID		10.050 g	
29AP105D2	16	SB0429A	Solvent Blank C-14				1.000	
29AP105D2	17	ST0429A	CS3 10DXN111				1.000	
29AP105D2	18						1.000	
29AP105D2	19						1.000	
29AP105D2	20						1.000	
29AP105D2	21						1.000	
29AP105D2	22						1.000	
29AP105D2	23		AS 04-29-10				1.000	
29AP105D2	24						1.000	

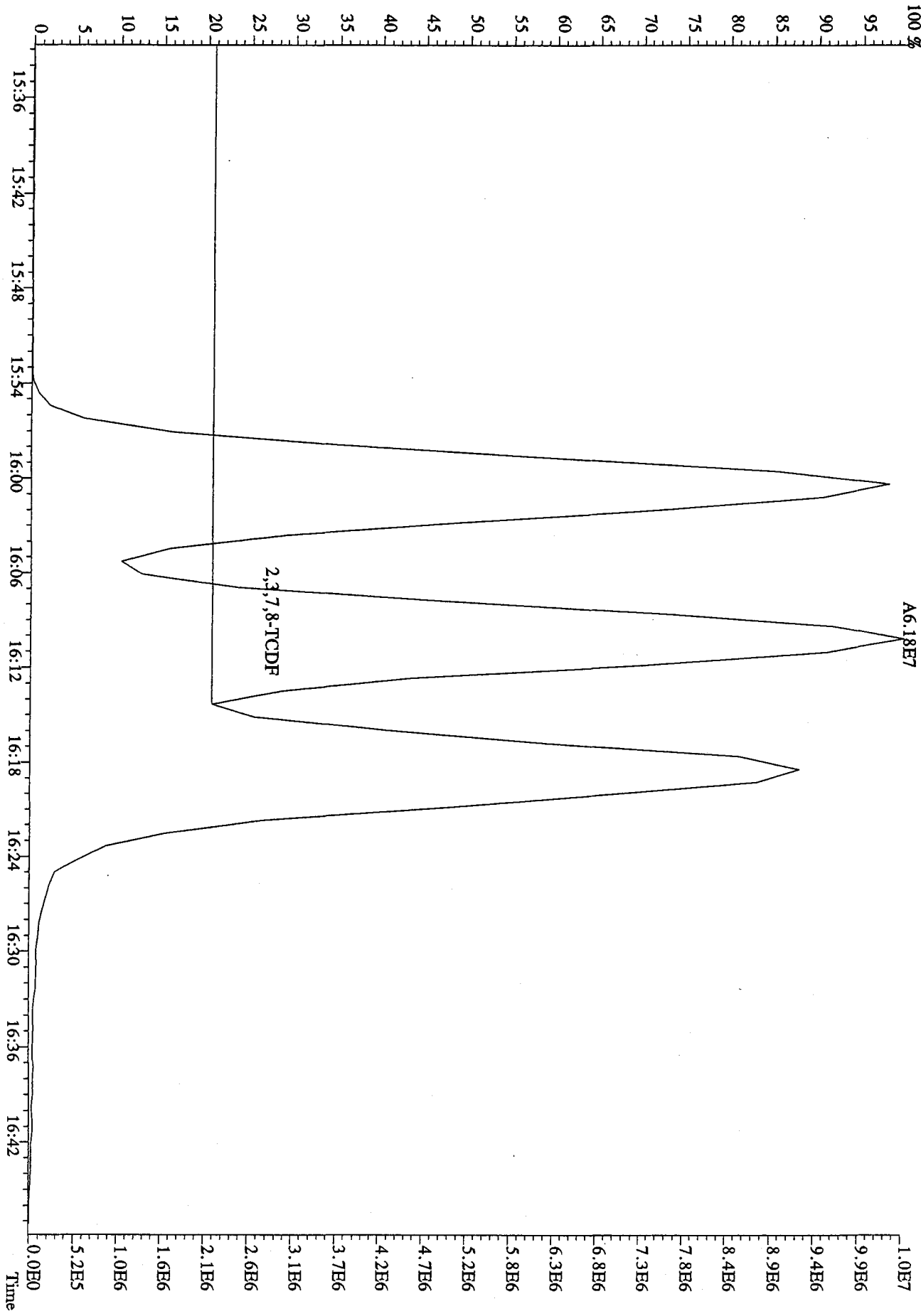
Peak Locate Examination: 29-APR-2010:08:35 File: 29API105D2
 Experiment: DB225RES Function: 1 Reference: PFK



Peak Locate Examination:29-APR-2010:19:56 File:RESCK29AP105D2
 Experiment:DB225RES Function:1 Reference:PFK



File:29AP105D2 #1-1208 Acq:29-APR-2010 09:13:20 GC EI+ Voltage SIR 70SE
Sample#2 Exp:DB225RES
303.9016 S:2 BSUB(128,15,-3.0)

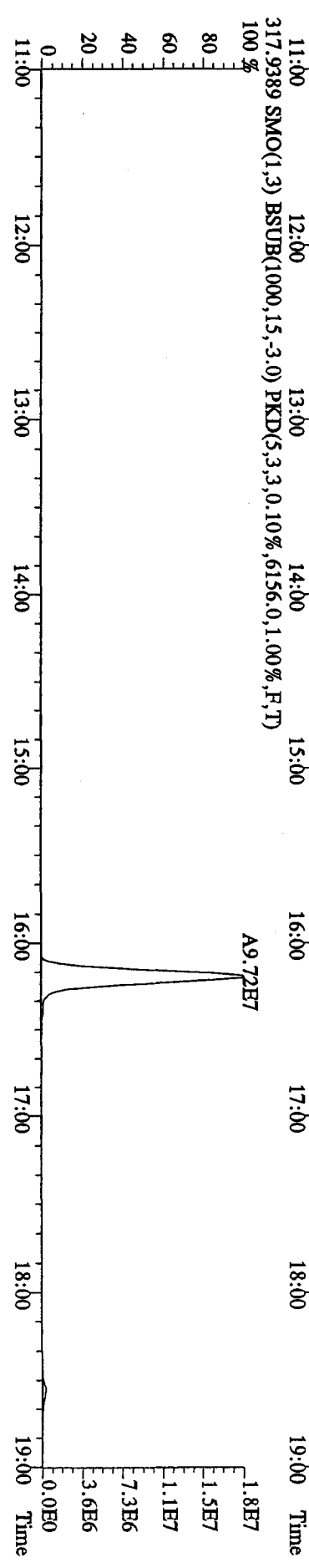
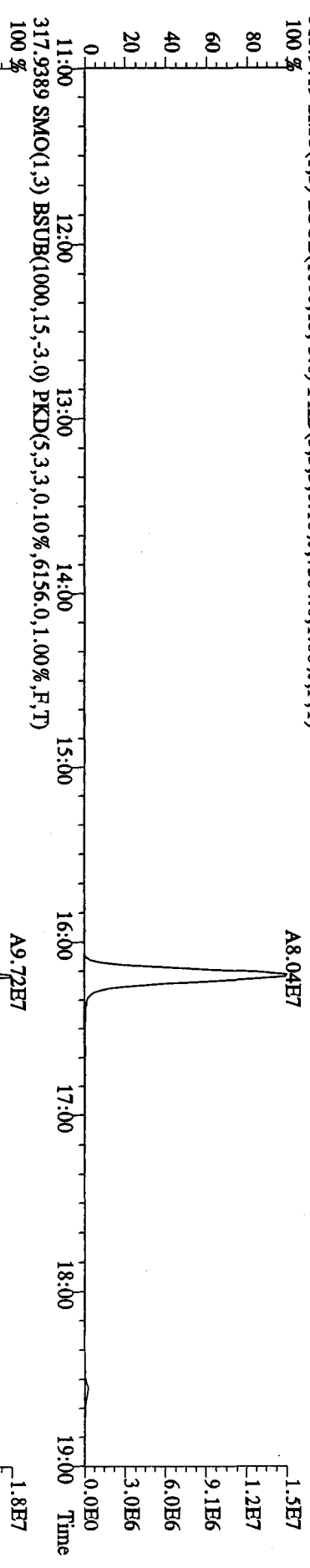
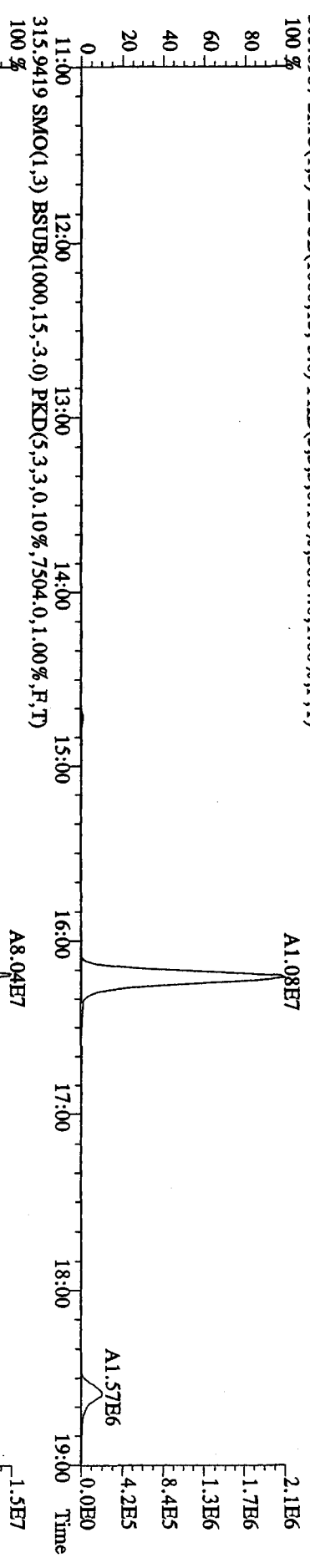
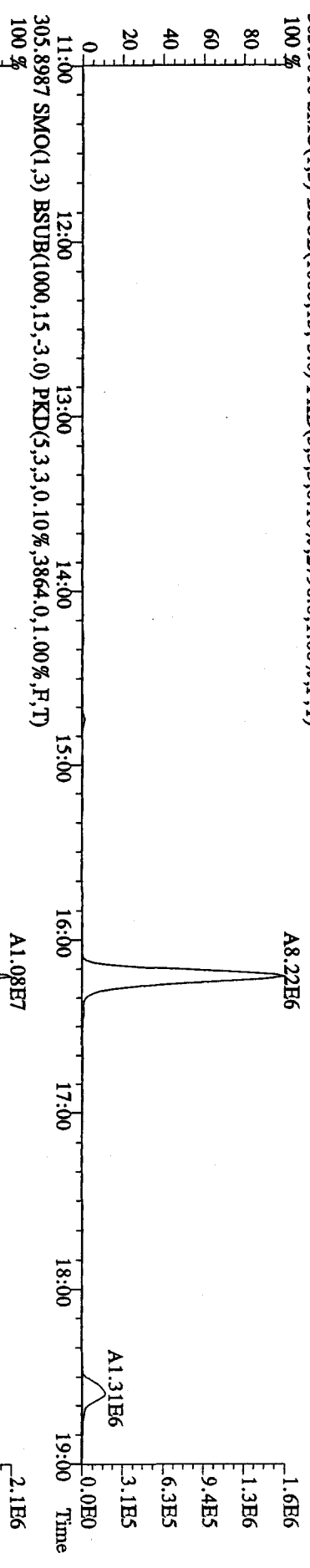


Run: 21API05D2 Analyte: DB225 Cal: DB2250421105D2

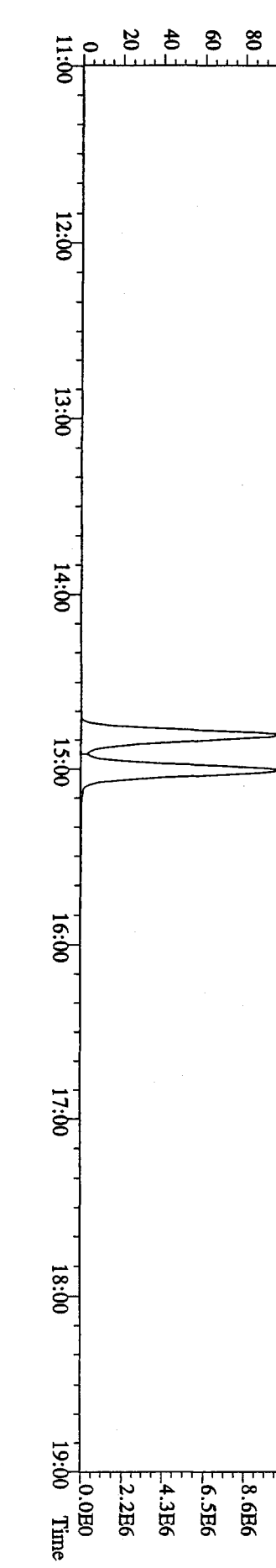
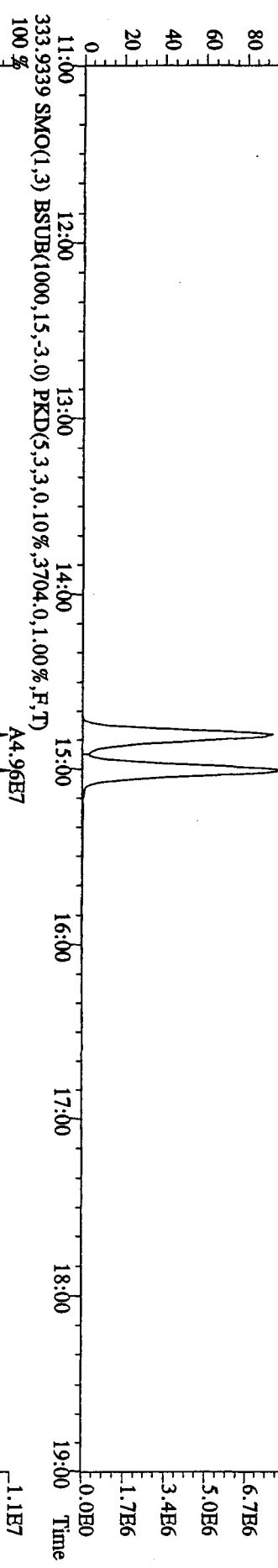
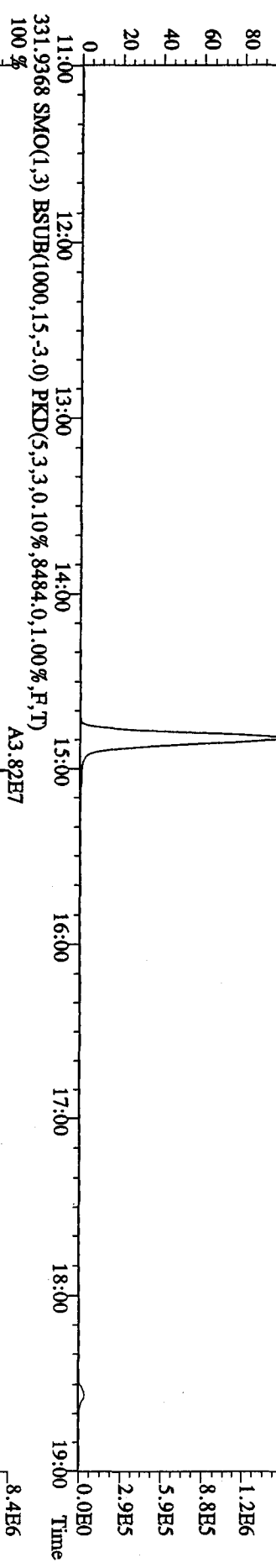
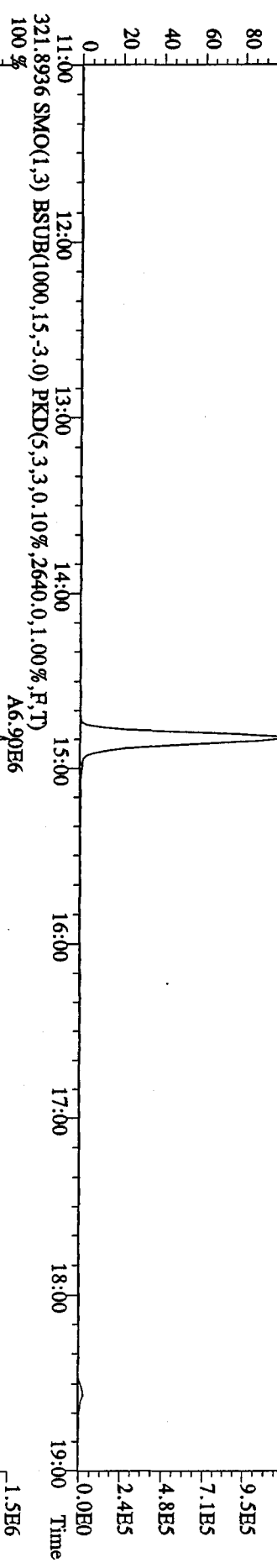
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
 ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	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

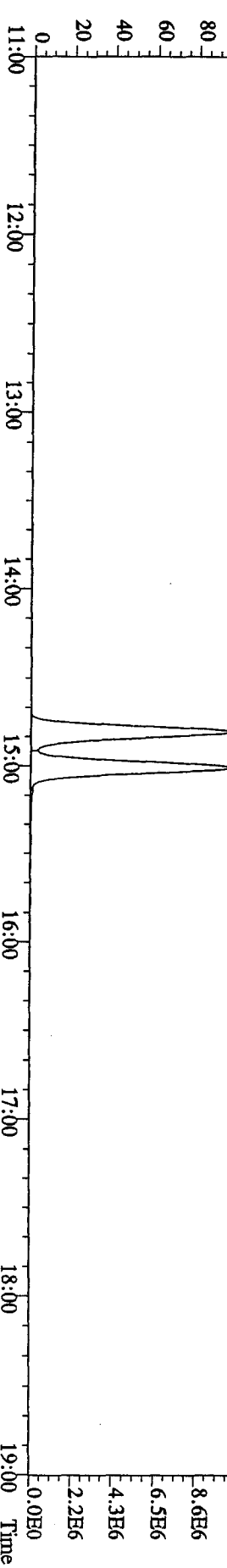
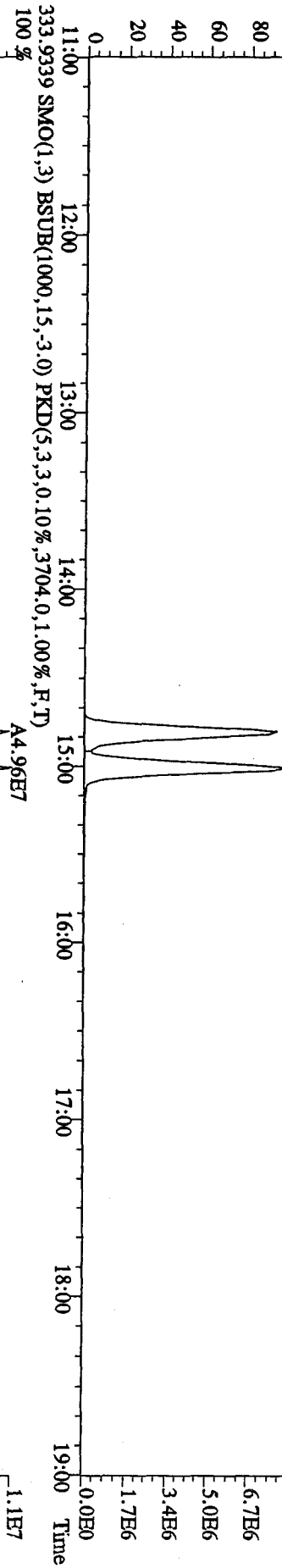
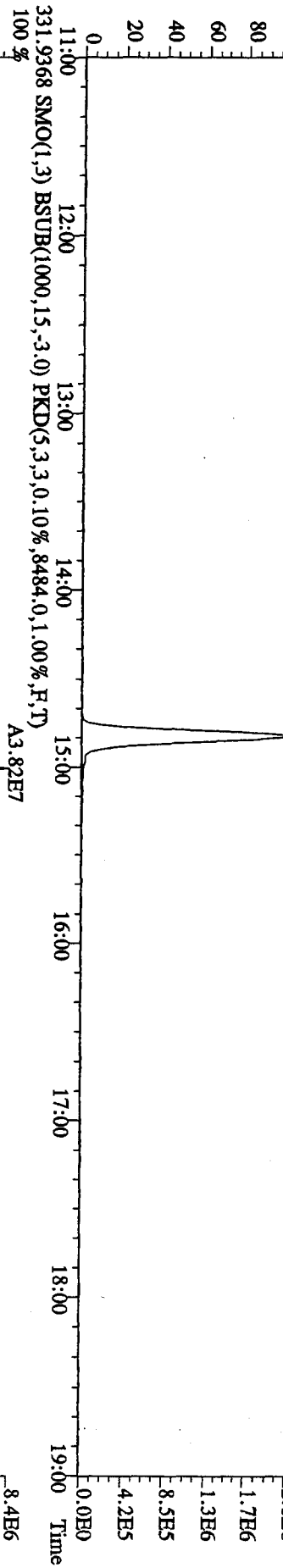
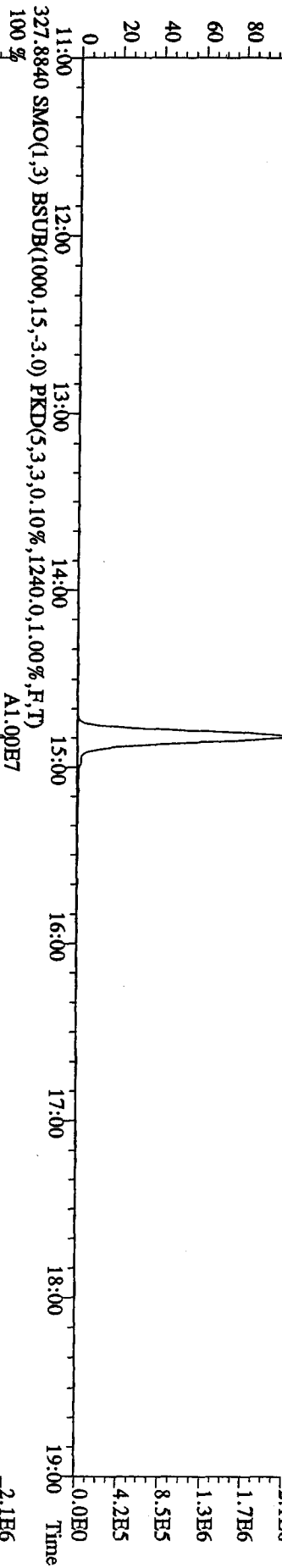
File:29AD105D2 #1-1242 Acq:29-APR-2010 08:36:16 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DB225RES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T)
 100%



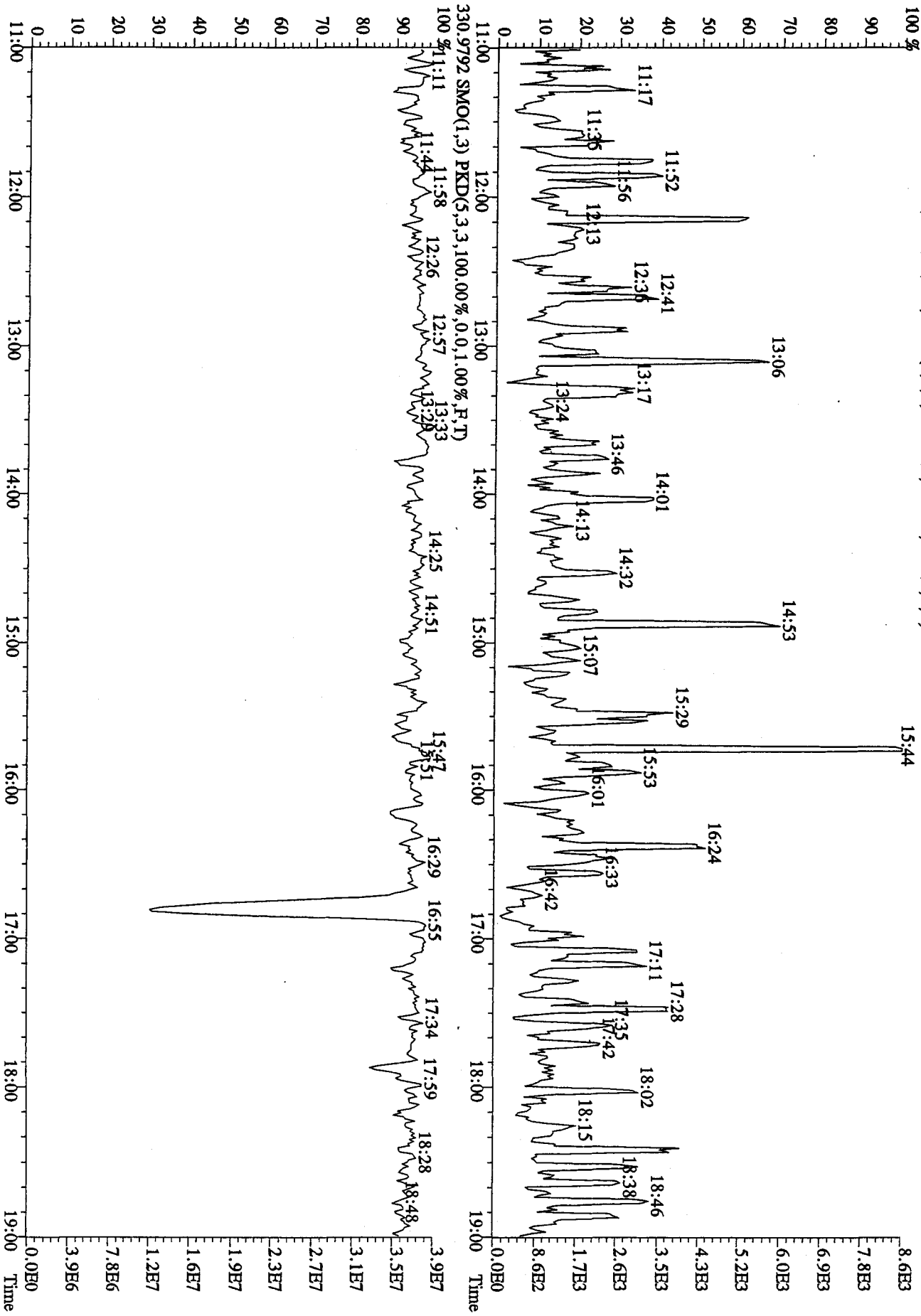
File:29AD105D2 #1-1242 Acq:29-APR-2010 08:36:16 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DB225RES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2040.0,1.00%,F,T)
 100% A5.64E6



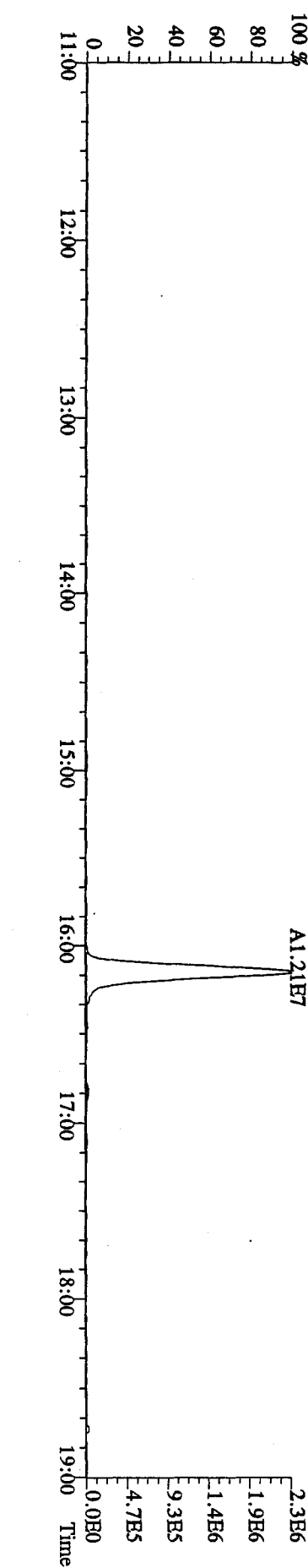
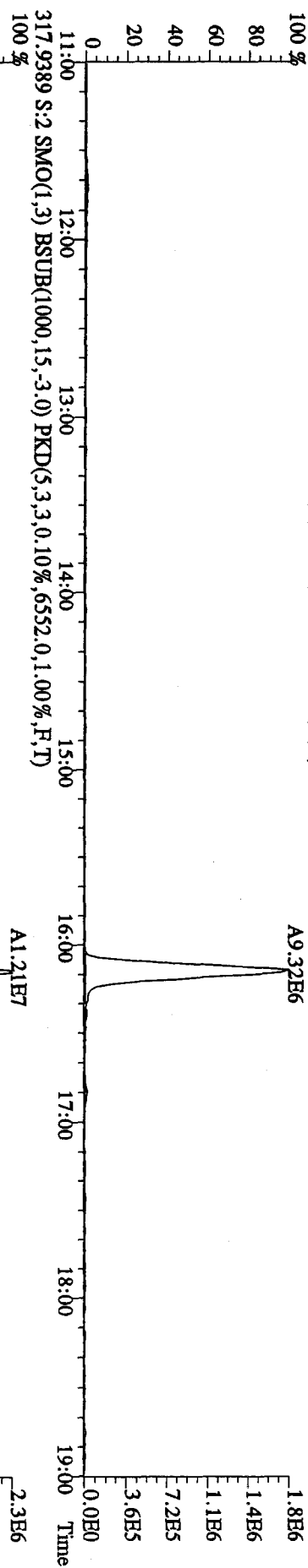
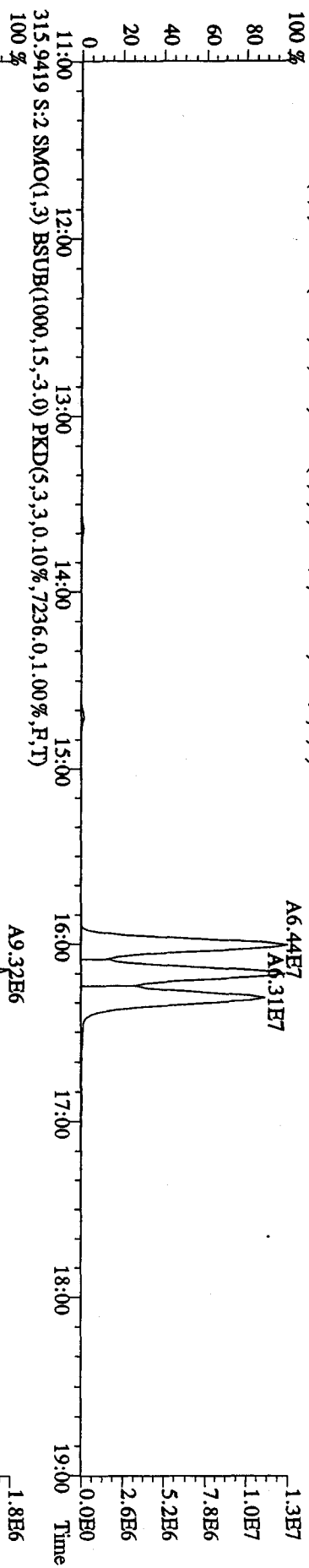
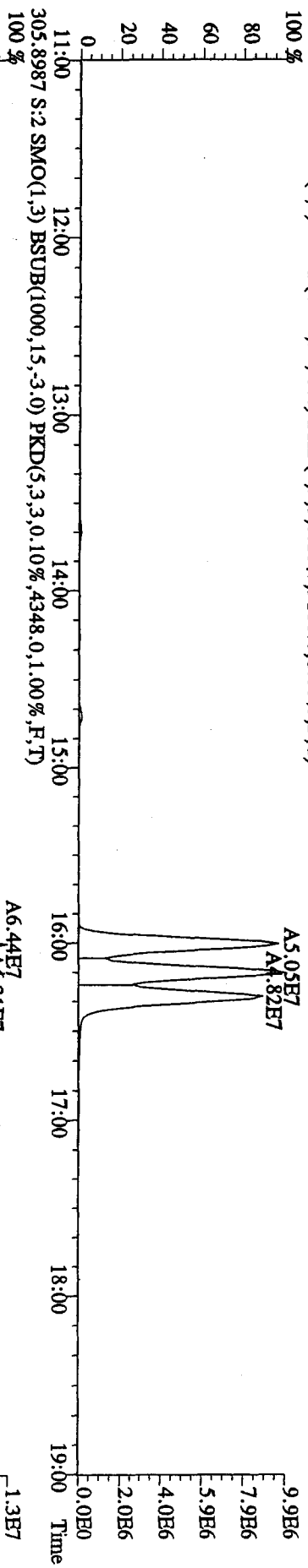
File:29AP105D2 #1-1242 Acq:29-APR-2010 08:36:16 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1240,0,1.00%,F,T)
100% A1.00E7



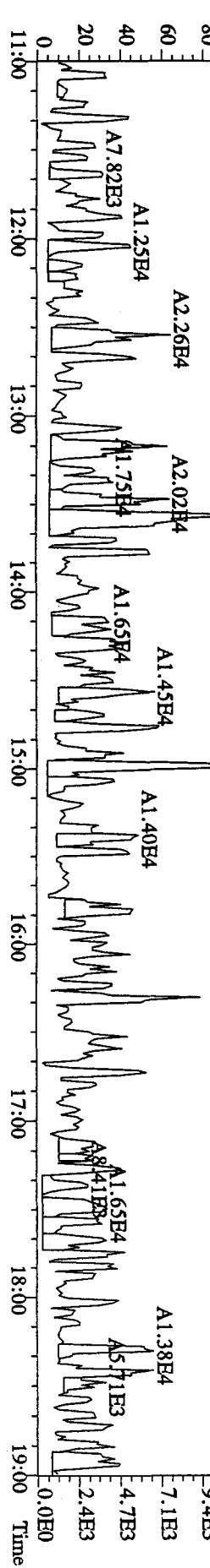
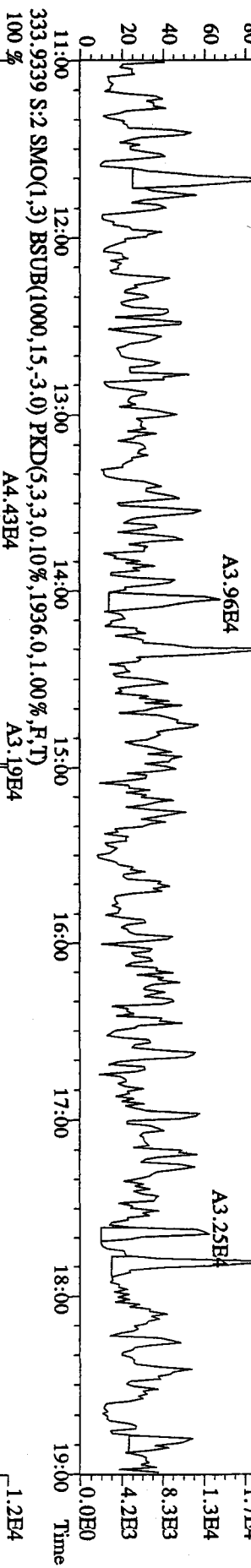
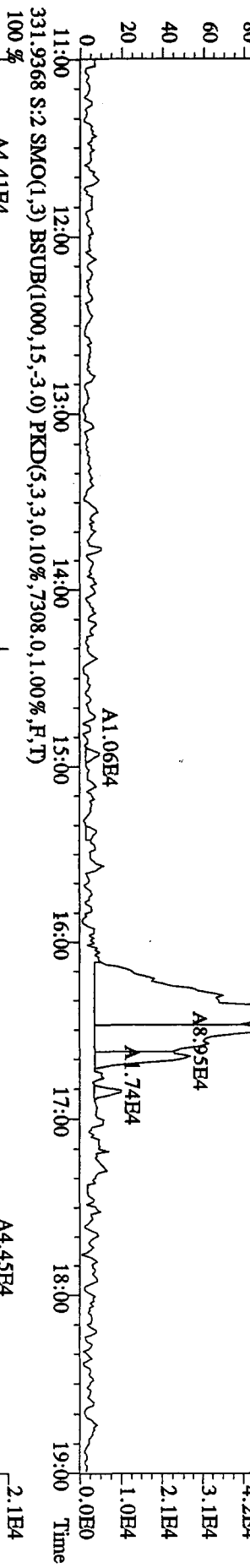
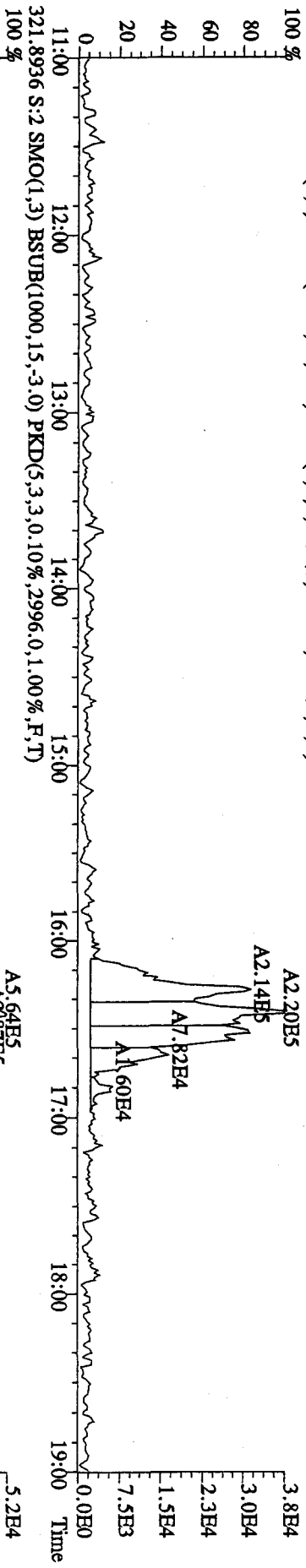
File:29AP105D2 #1-1242 Acq:29-APR-2010 08:36:16 GC HI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DB25RES
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1440.0,1.00%,F,T)



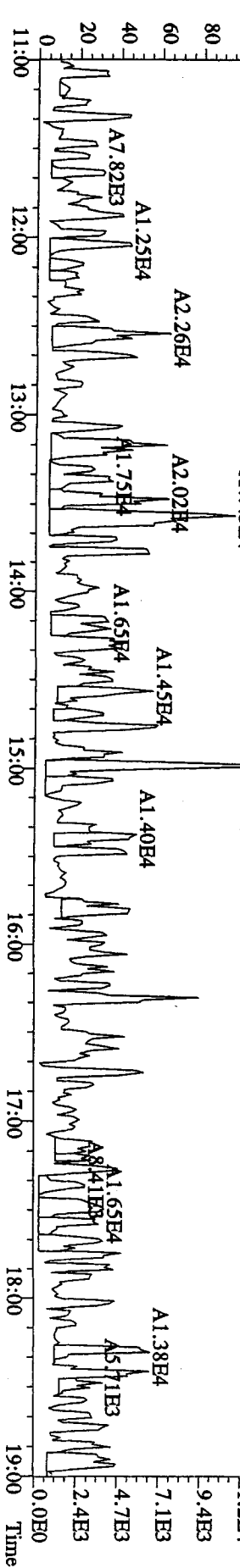
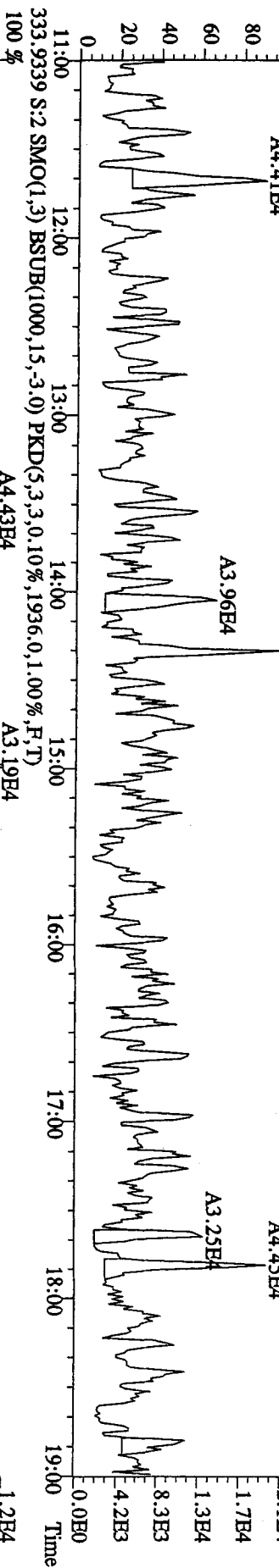
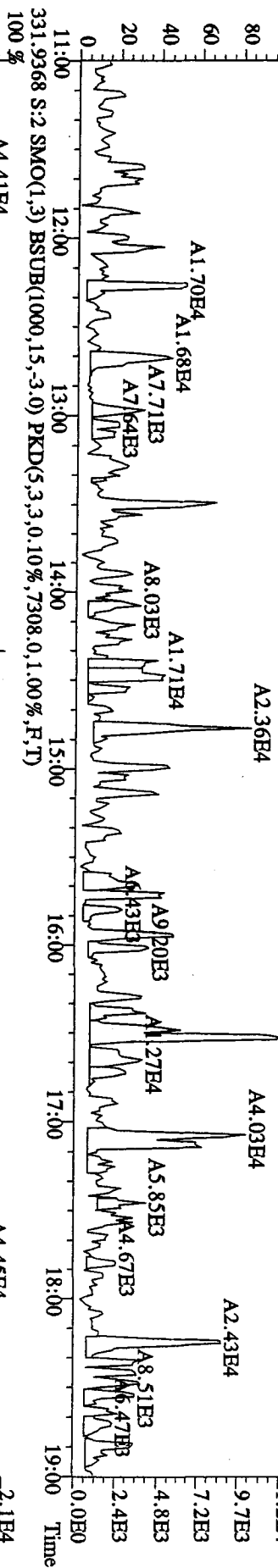
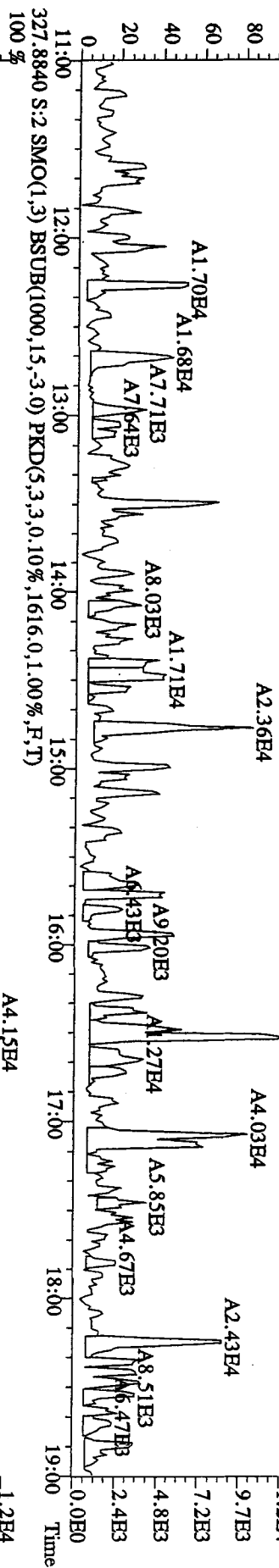
File:29AP105FD2 #1-1241 Acq:29-APR-2010 09:13:20 GC EI + Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-225 CPSM 3732-06 Exp:DB225RES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3180,0,1,00%,F,T)
 100 %



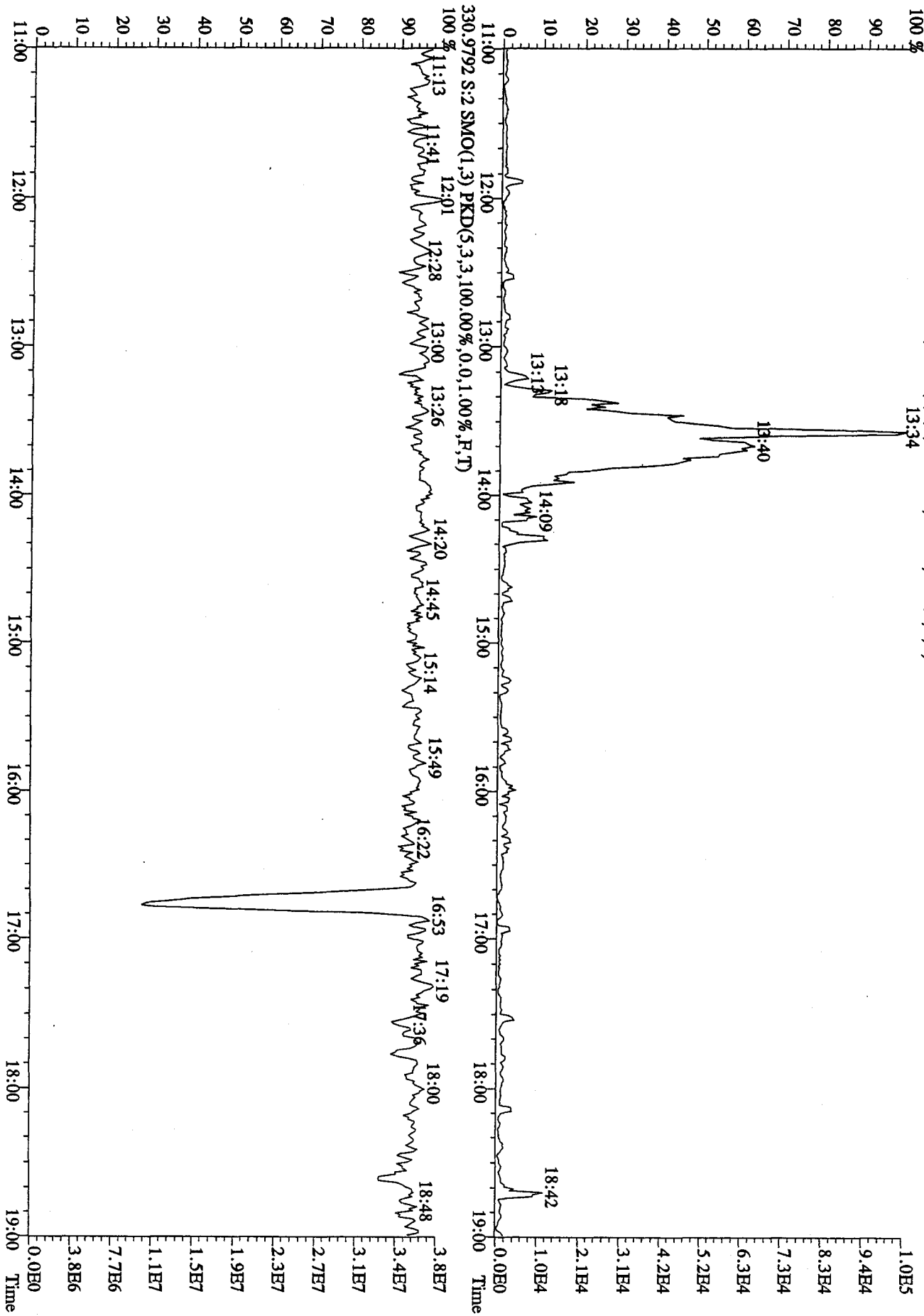
File:29AP105D2 #1-1241 Acq:29-APR-2010 09:13:20 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-225 CP5M 3732-06 Exp:DB225RES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2160.0,1.00%,F,T)



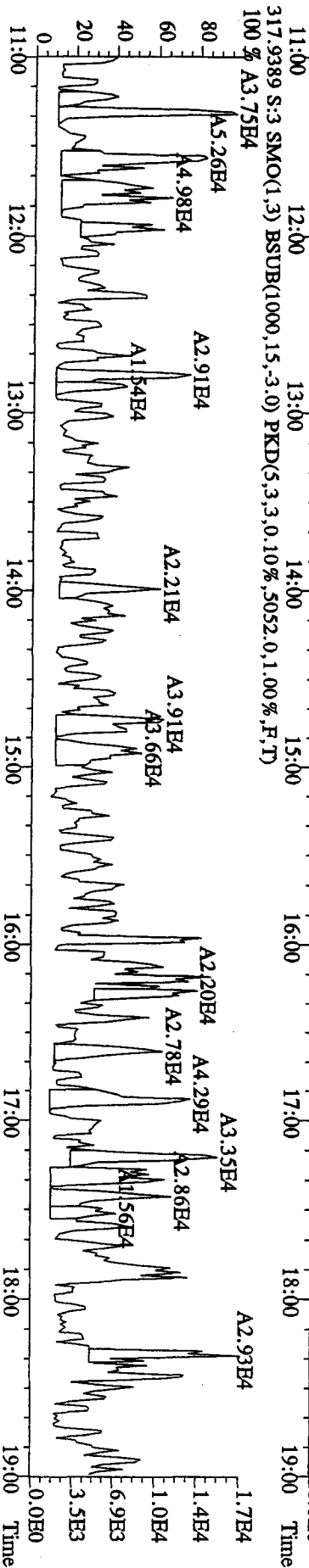
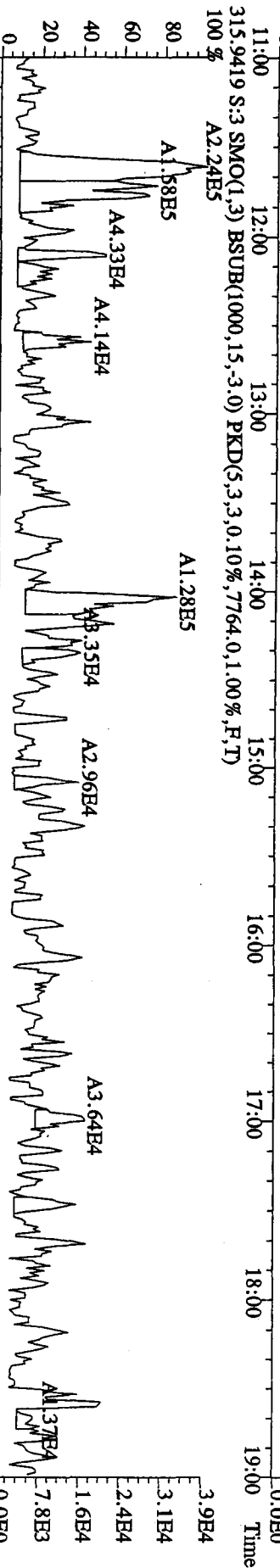
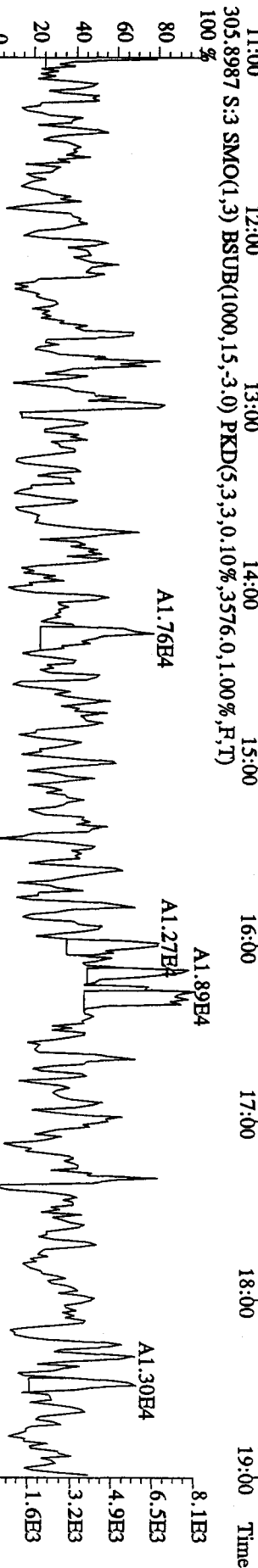
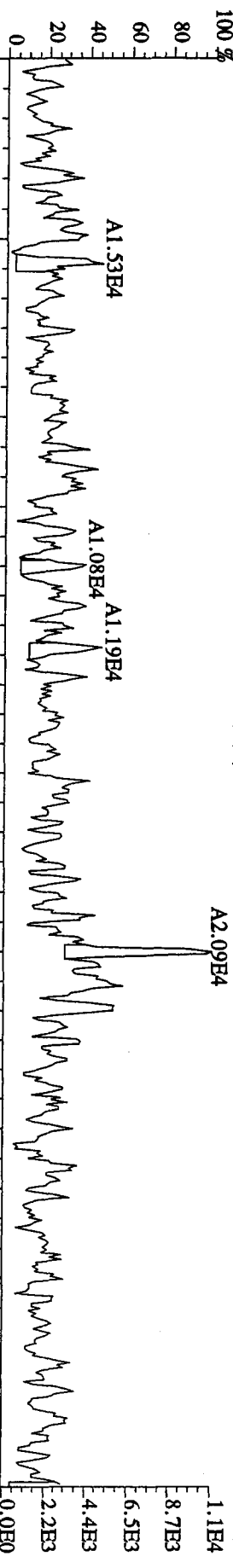
File:29AP105D2 #1-1241 Acq:29-APR-2010 09:13:20 GC EI + Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-225 CFSM 3732-06 Exp:DB225RES
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1616,0,1.00%,F,T)
 100 %



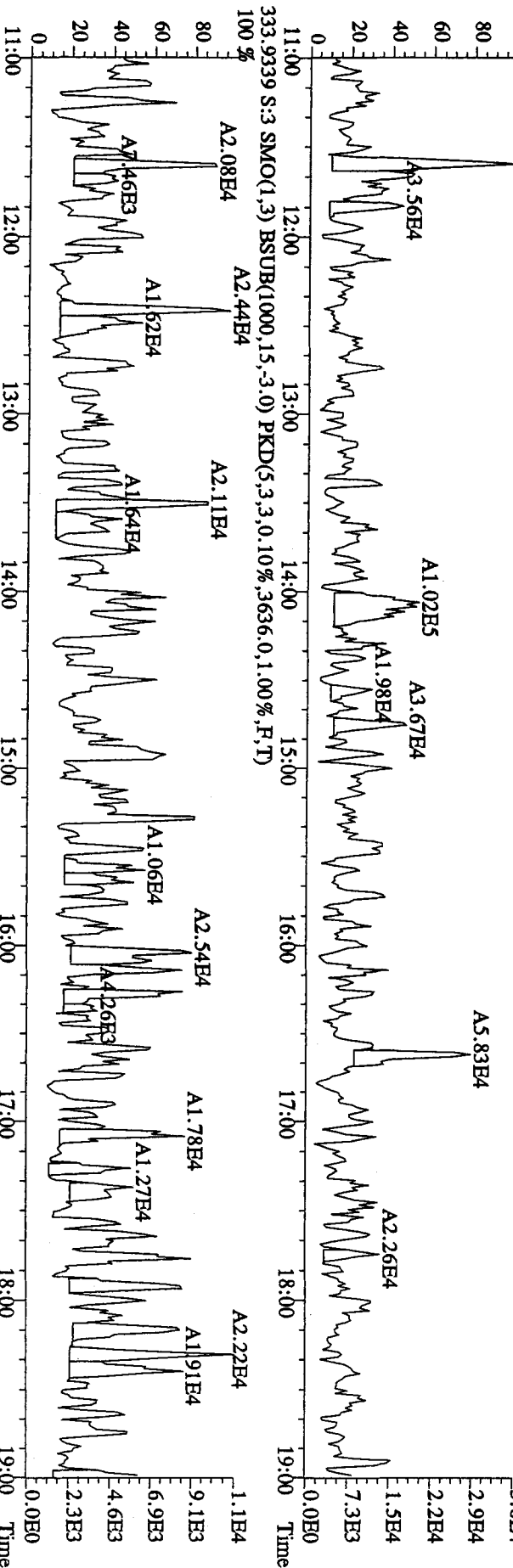
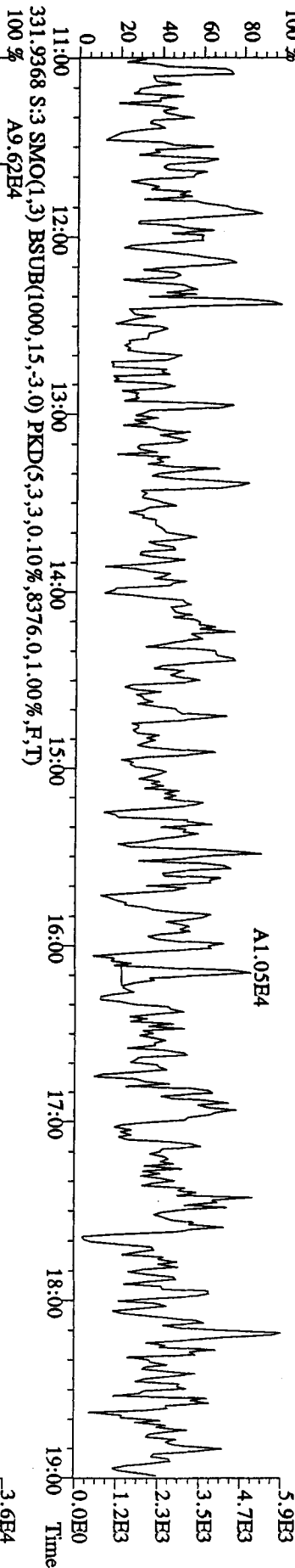
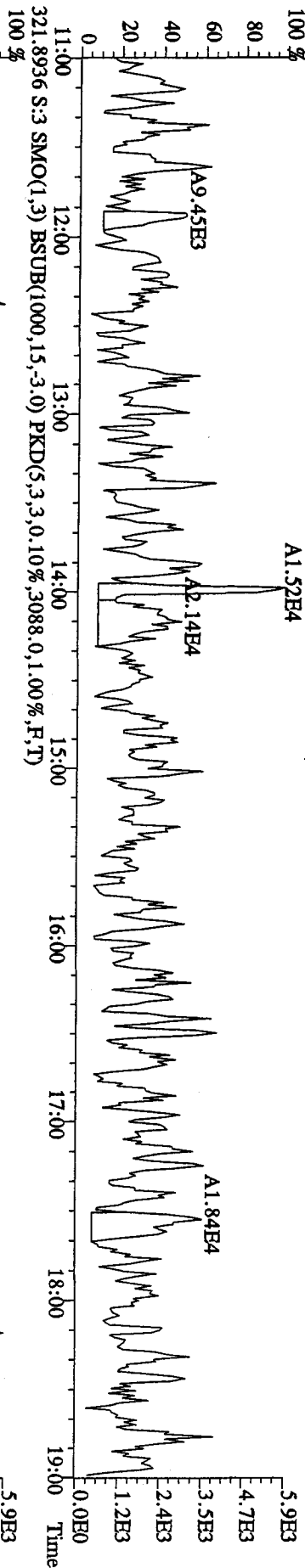
File:29AP105D2 #1-1241 Acq:29-APR-2010 09:13:20 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-225 CPSM 3732-06 Exp:DB225RES
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1280.0,1.00%,F,T)
 100 %

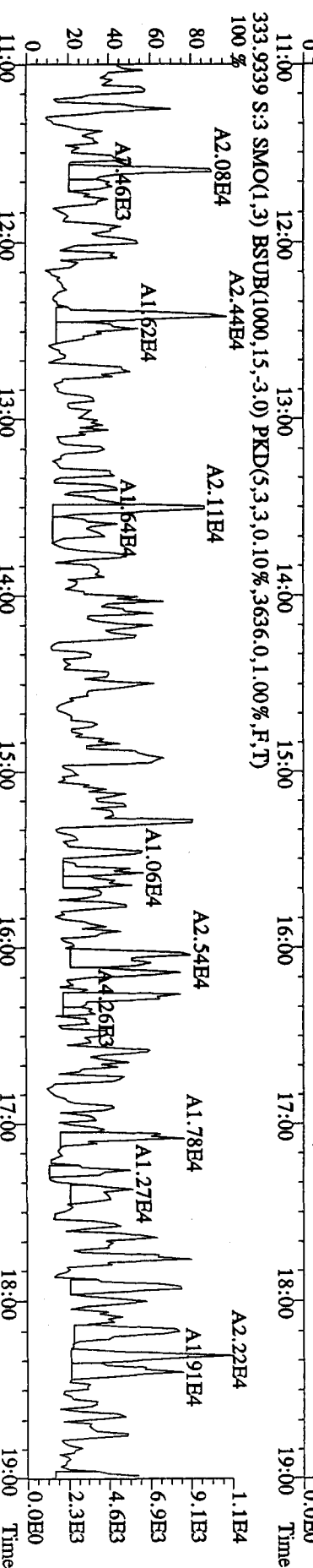
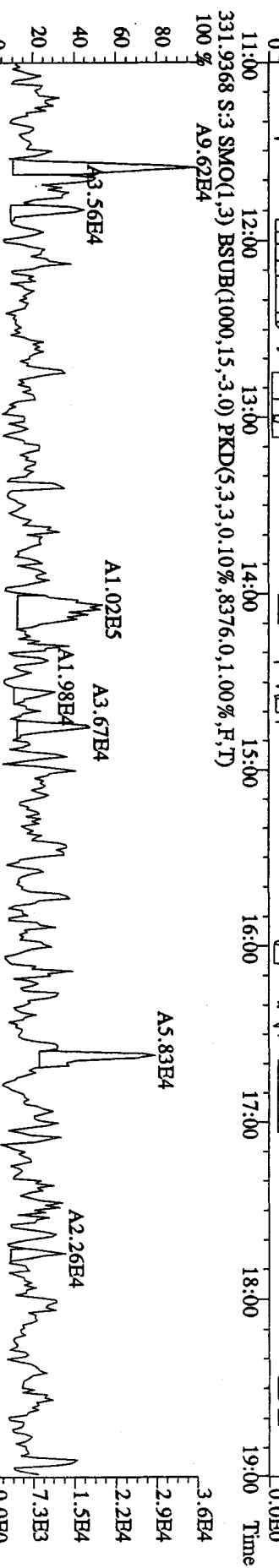
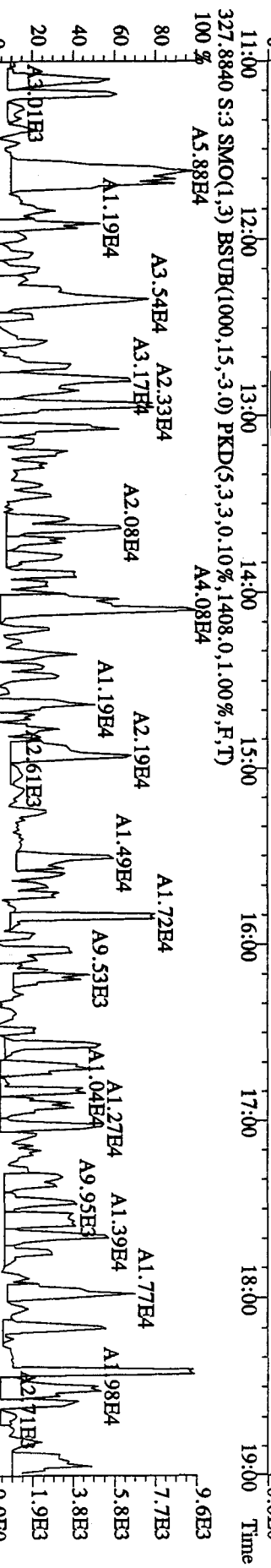
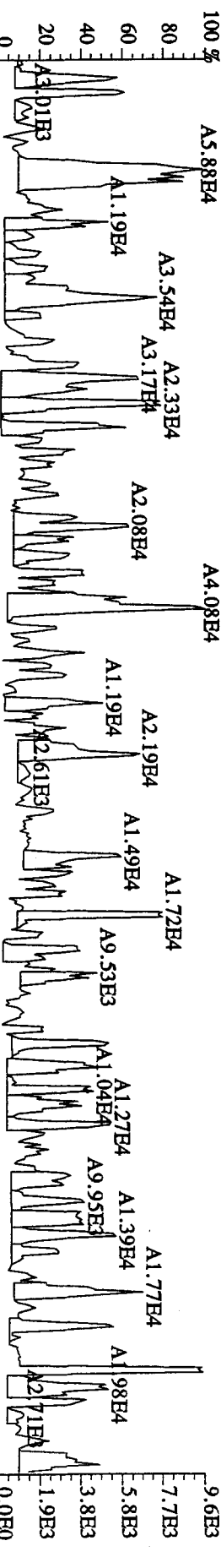


File:29AP105D2 #1-1242 Acq:29-APR-2010 09:50:24 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DB225RES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2844,0,1,00%,F,T)
 100 %

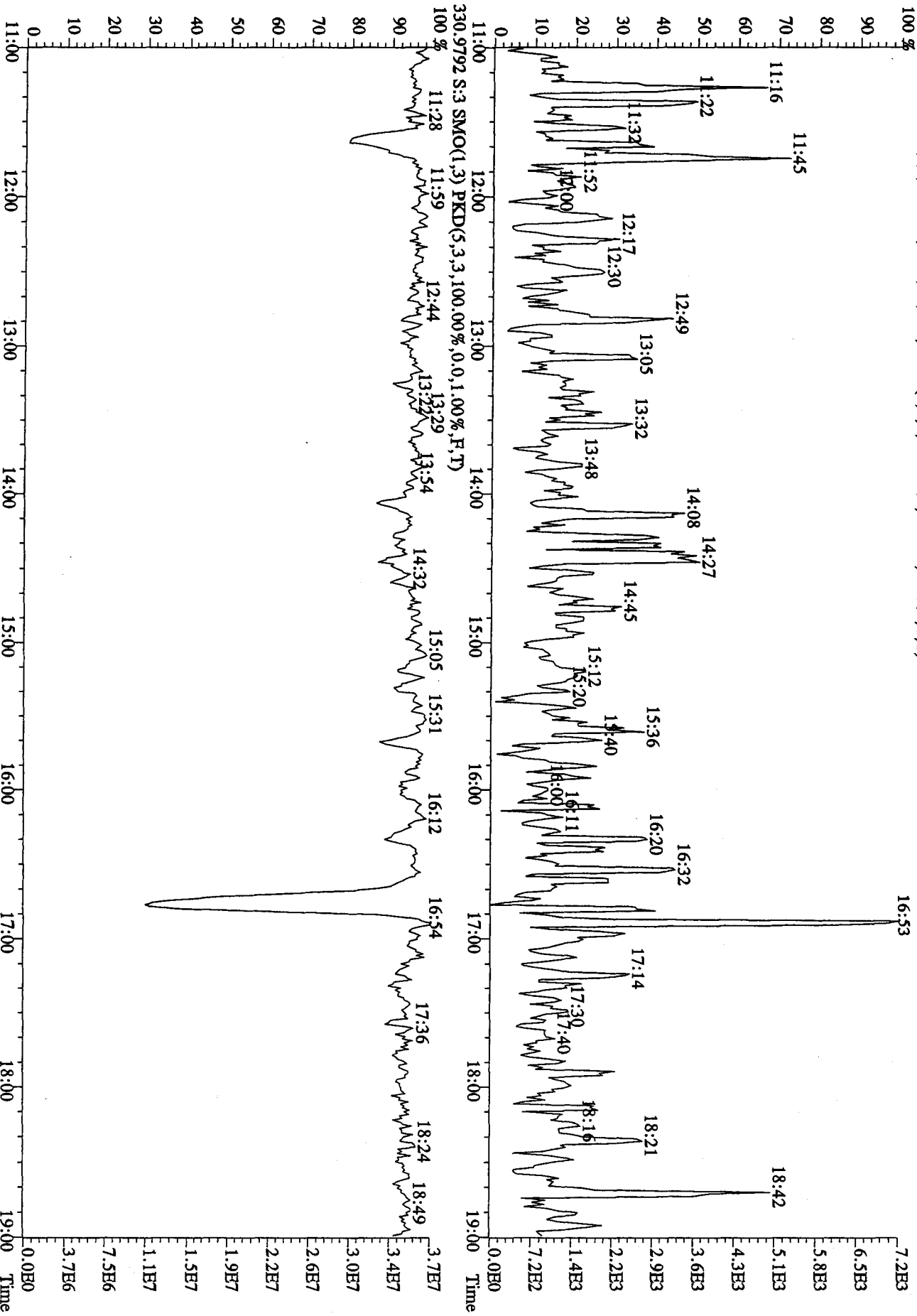


File:29AP105D2 #1-1242 Acq:29-APR-2010 09:50:24 GC EI + Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DB225RES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2024,0,1.00%,F,T)
 100% A1.52E4

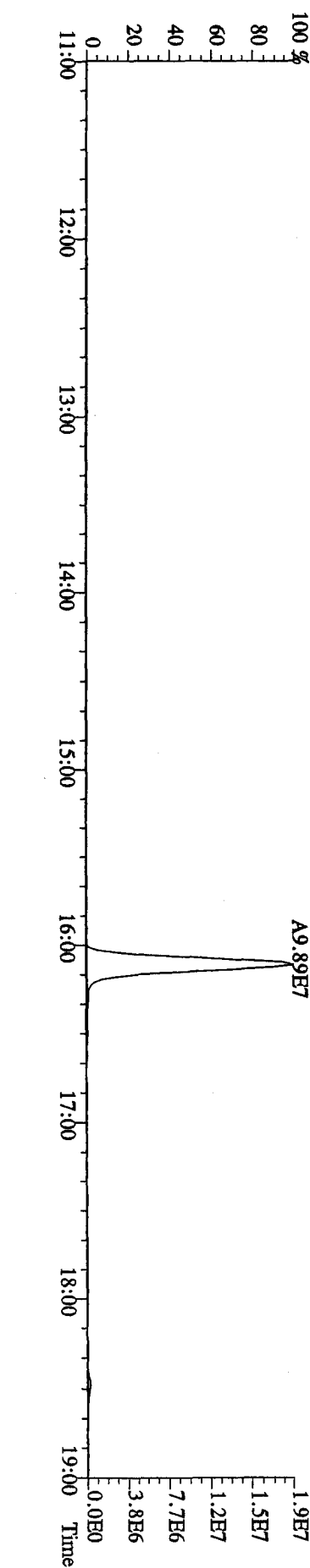
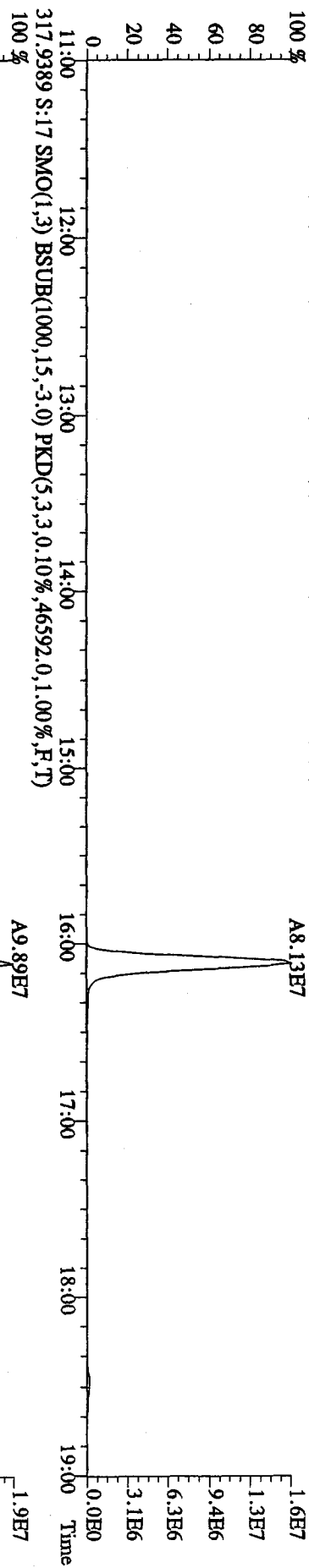
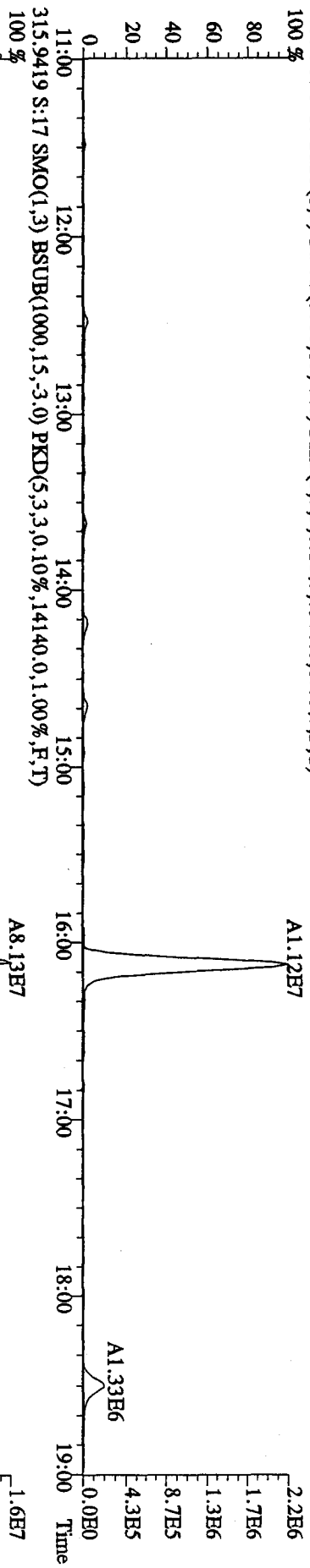
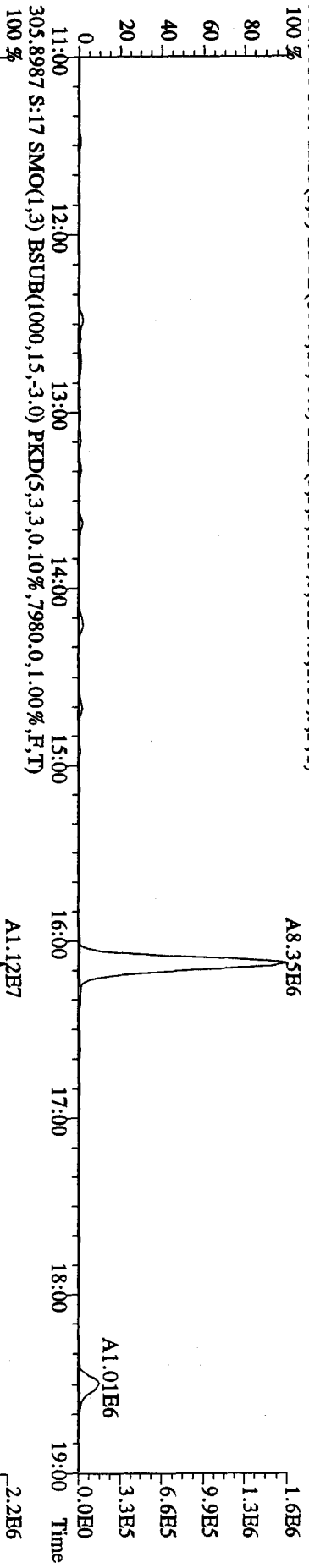




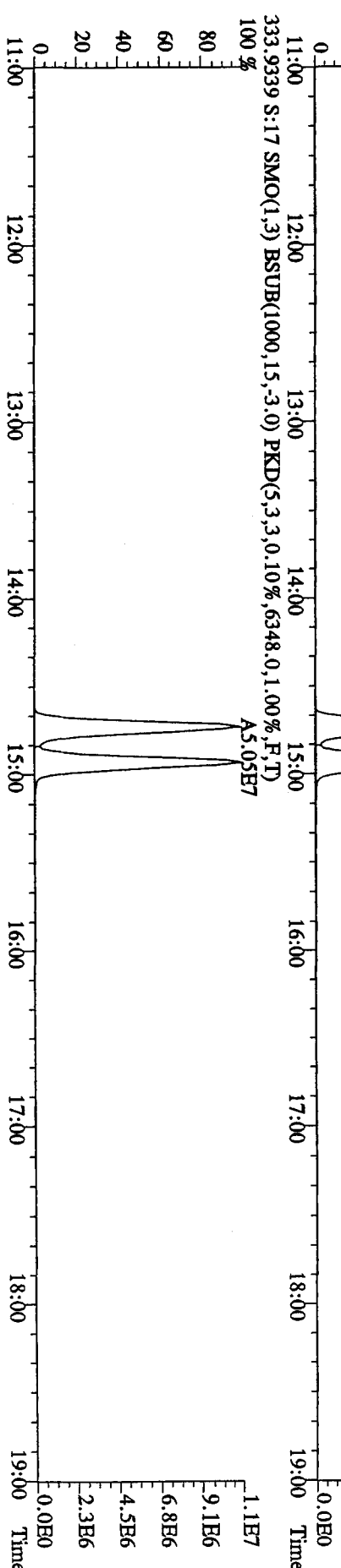
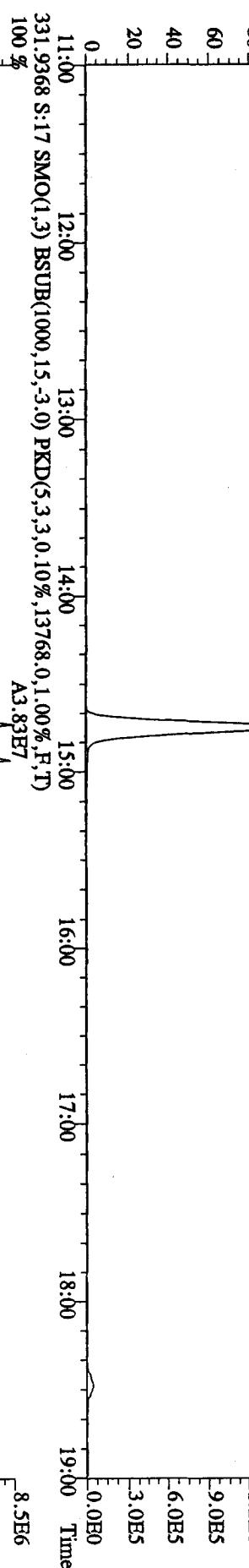
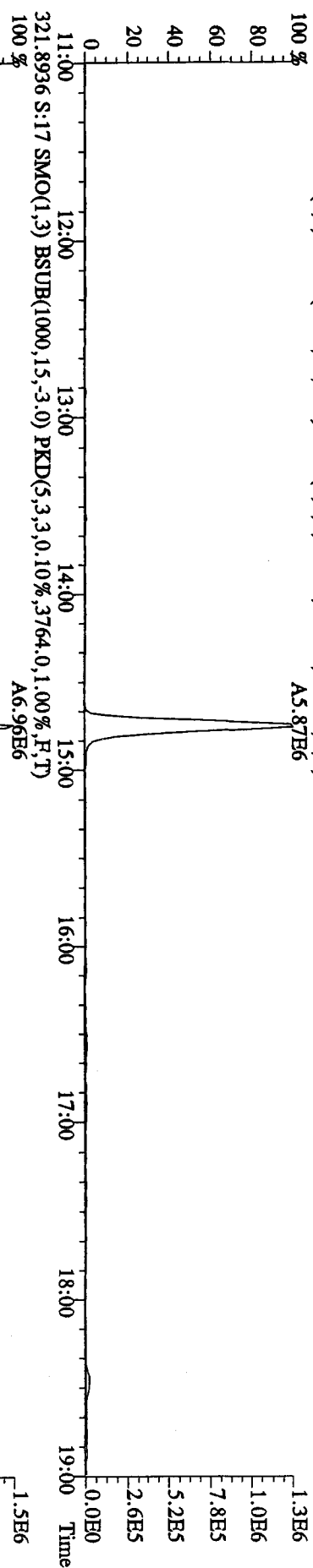
File:29AP105D2 #1-1242 Acq:29-APR-2010 09:50:24 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



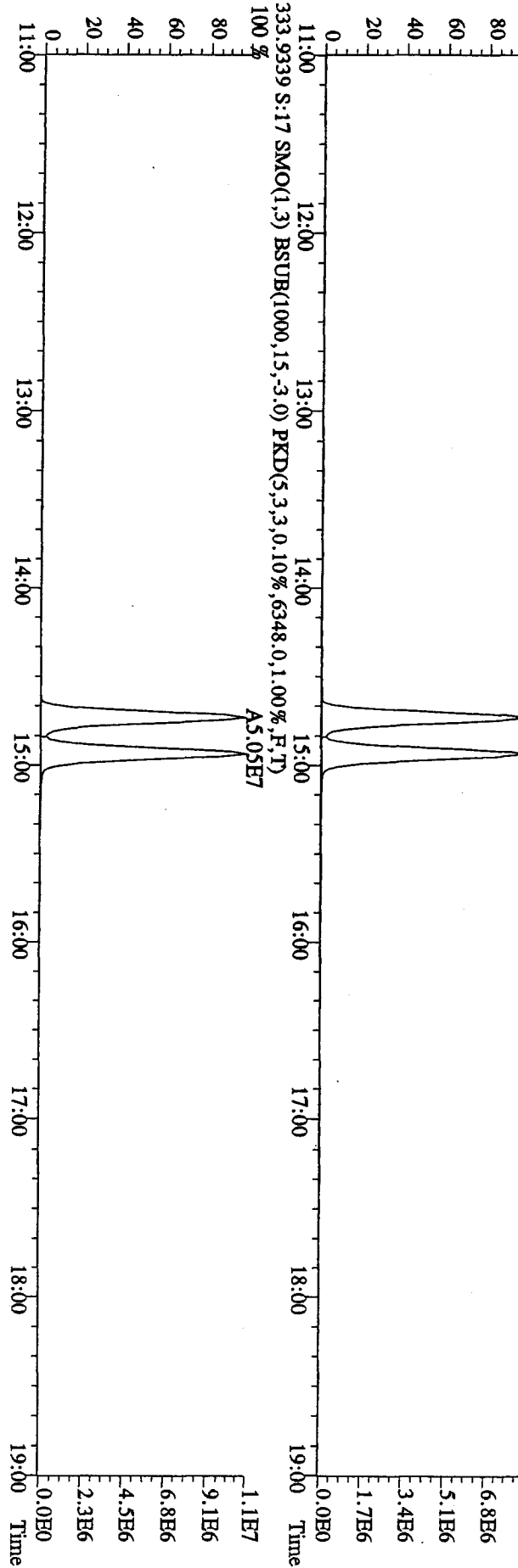
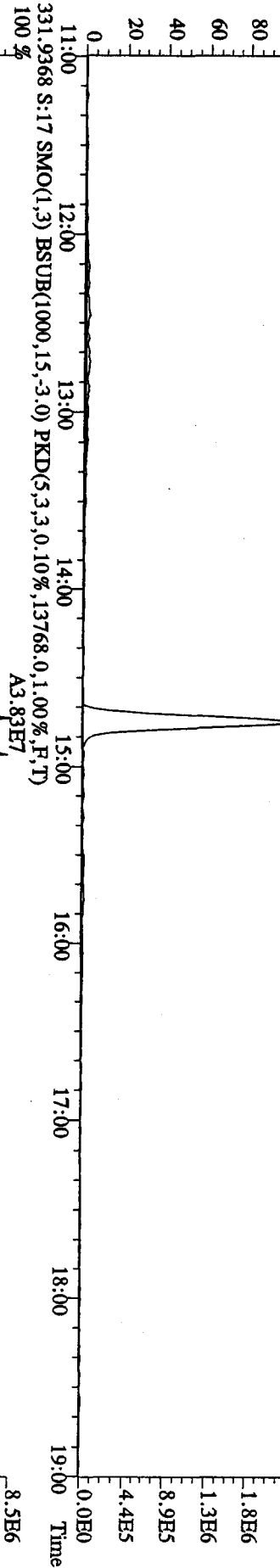
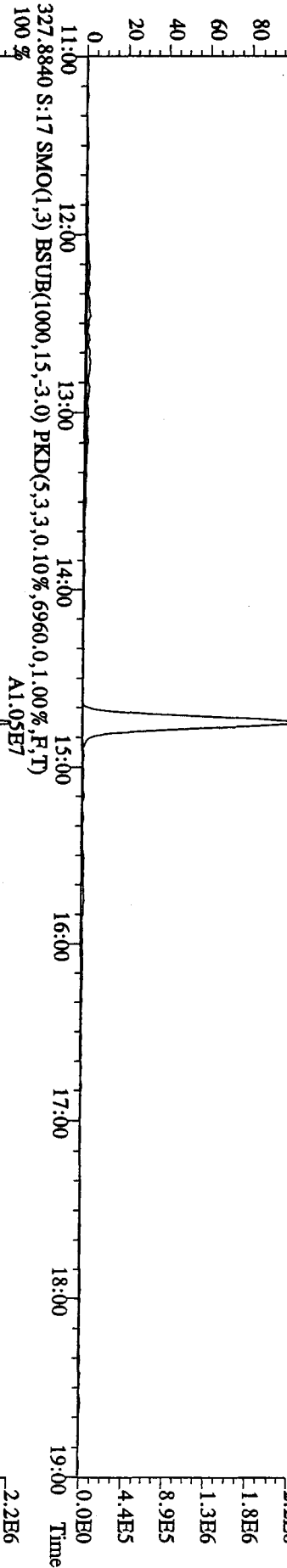
File:29API05D2 #1-1242 Acq:29-APR-2010 18:29:40 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0429A :CS3 10DXN111 Exp:DB225RES
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6824,0,1,00%,F,T)



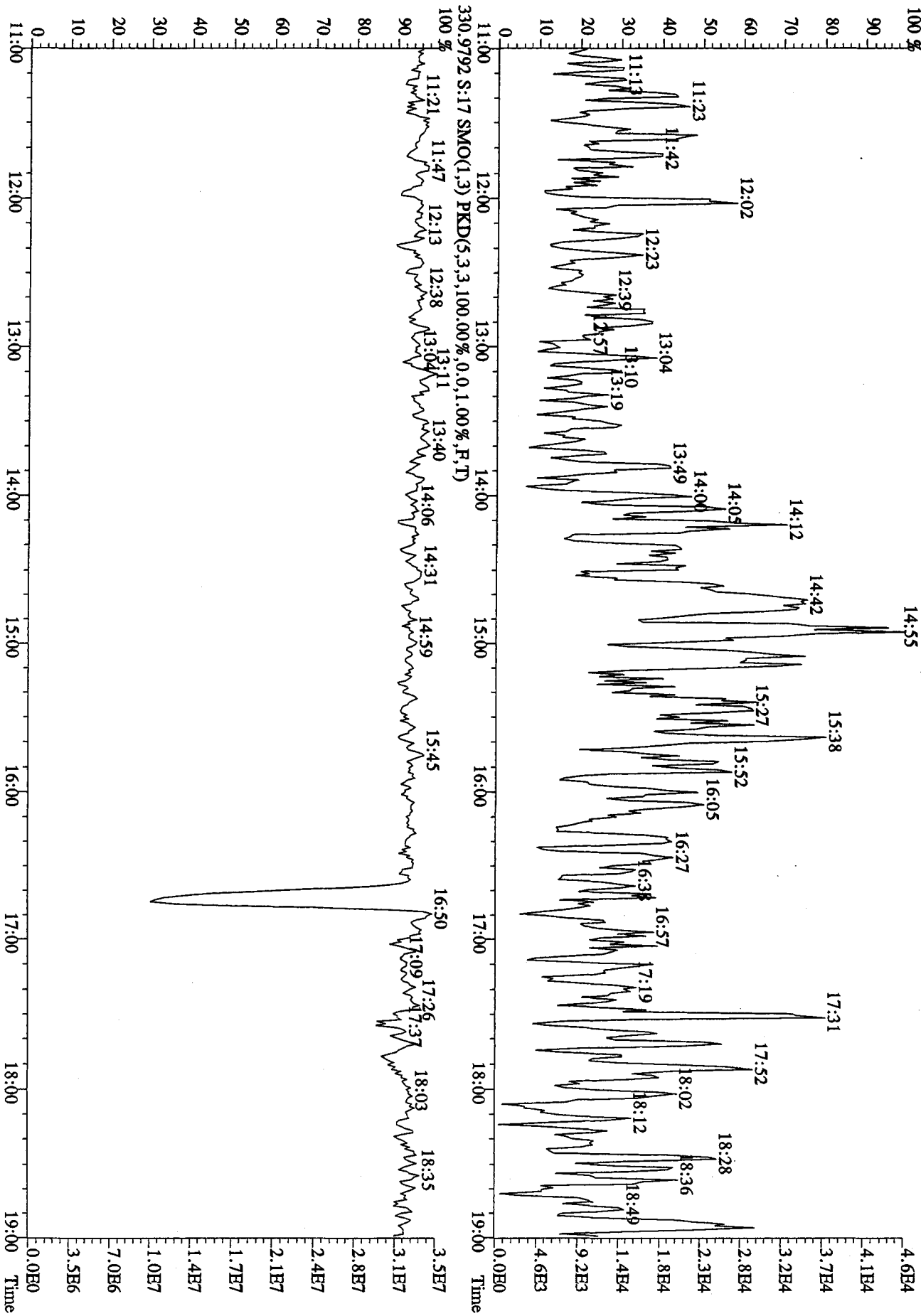
File:29AP105D2 #1-1242 Acq:29-APR-2010 18:29:40 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0429A :CSS 10DXN111 Exp:DB225RES
 319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3844.0,1.00%,F,T)
 100 % A5.87E6



File: 29AP105D2 #1-1242 Acq: 29-APR-2010 18:29:40 GC EI+ Voltage SIR 70SE
 Sample#17 Text: ST0429A :CS3 10DXN111 Exp: DB225RBS
 327.8840 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6960,0,1,00%,F,T)
 100% A1.05E7



File:29AP105D2 #1-1242 Acq:29-APR-2010 18:29:40 GC HI+ Voltage SIR 70SE
 Sample#17 Text:ST0429A :CS3 10DXN111 Exp:DB225RES
 375.8364 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,14520.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Initial Calibration Checklist
Dioxin Methods

ICAL ID 8290A0412104D5
 Method ID 8290A Date Scanned _____
 Column ID DB5 Instrument ID 4D5
 STD ID's ST0412(B,A, -, D,C) STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN4
 GC Program OCDD Multiplier Setting 410
 Analyzed By M.G. Date Analyzed 4/12/10
 Prepared By M.G. Date Prepared 4/14/10
 Reviewed By MAT Date Reviewed 4/14/10

09DXN456

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

COMMENTS:

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

ST0412B : CS-1 09DXM422 ST0412A : CS-2 09DXM423 ST0412 : CS-3 10DXN111
 ST0412D : CS-4 09DXM426 ST0412C : CS-5 09DXM456

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
37C1-2,3,7,8-TCDD	1819544	1.00 y	19:54	2.4118	0.50	n
13C-1,2,3,7,8-PeCDF	146106800	1.52 y	24:49	0.9683	100.00	n
1,2,3,7,8-PeCDF	3546420	1.50 y	24:50	0.9709	2.50	n
2,3,4,7,8-PeCDF	3384670	1.43 y	26:21	0.9266	2.50	n
Total F2 PeCDF	-	- n	-	0.9488	5.00	n
Total F1 PeCDF	-	- n	-	0.9488	5.00	n
13C-1,2,3,7,8-PeCDD	92385600	1.55 y	27:09	0.6123	100.00	n
1,2,3,7,8-PeCDD	2166233	1.61 y	27:12	0.9379	2.50	n
Total PeCDD	-	- n	-	0.9379	2.50	n
13C-1,2,3,7,8,9-HxCDD	103077500	1.29 y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	111667600	0.52 y	32:02	1.0833	100.00	n
1,2,3,4,7,8-HxCDF	3133010	1.21 y	32:04	1.1223	2.50	n
1,2,3,6,7,8-HxCDF	3346790	1.13 y	32:10	1.1988	2.50	n
2,3,4,6,7,8-HxCDF	3162220	1.22 y	32:43	1.1327	2.50	n
1,2,3,7,8,9-HxCDF	2848310	1.21 y	33:21	1.0203	2.50	n
Total HxCDF	-	- n	-	1.1185	10.00	n
13C-1,2,3,6,7,8-HxCDD	83861100	1.28 y	32:55	0.8136	100.00	n
1,2,3,4,7,8-HxCDD	1947993	1.33 y	32:51	0.9292	2.50	n
1,2,3,6,7,8-HxCDD	2219360	1.18 y	32:56	1.0586	2.50	n
1,2,3,7,8,9-HxCDD	2352910	1.23 y	33:12	1.1223	2.50	n
Total HxCDD	-	- n	-	1.0367	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	89290500	0.42 y	34:41	0.8662	100.00	n
1,2,3,4,6,7,8-HpCDF	2683070	0.92 y	34:42	1.2020	2.50	n
1,2,3,4,7,8,9-HpCDF	2130830	0.96 y	35:50	0.9546	2.50	n
Total HpCDF	-	- n	-	1.0783	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	72671900	1.06 y	35:30	0.7050	100.00	n
1,2,3,4,6,7,8-HpCDD	1867690	1.03 y	35:31	1.0280	2.50	n
Total HpCDD	-	- n	-	1.0280	2.50	n
13C-OCDD	109193900	0.90 y	38:02	0.5297	200.00	n
OCDF	3611560	0.91 y	38:09	1.3230	5.00	n

OCDD 2945690 0.92 y 38:02 1.0791 5.00 n

Run #2 Filename 12AP104D5 S: 3 I: 1
 Acquired: 12-APR-10 10:04:44 Processed: 12-APR-10 13:15:05
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

Comments:

Sample text: ST0412A :CS-2 09DXN423

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	161658700	0.83 y	19:41	-	100.00 n
13C-2,3,7,8-TCDF	237756000	0.78 y	19:06	1.4707	100.00 n
2,3,7,8-TCDF	4448700	0.78 y	19:07	0.9356	2.00 n
Total TCDF	-	- n	-	0.9356	2.00 n
13C-2,3,7,8-TCDD	141013400	0.83 y	19:54	0.8723	100.00 n
2,3,7,8-TCDD	2761520	0.74 y	19:55	0.9792	2.00 n
Total TCDD	-	- n	-	0.9792	2.00 n
37Cl-2,3,7,8-TCDD	6579920	1.00 y	19:55	2.0351	2.00 n
13C-1,2,3,7,8-PeCDF	157487700	1.55 y	24:50	0.9742	100.00 n
1,2,3,7,8-PeCDF	16085800	1.52 y	24:52	1.0214	10.00 n
2,3,4,7,8-PeCDF	15225000	1.52 y	26:23	0.9667	10.00 n
Total F2 PeCDF	-	- n	-	0.9941	20.00 n
Total F1 PeCDF	-	- n	-	0.9941	20.00 n
13C-1,2,3,7,8-PeCDD	104378100	1.53 y	27:11	0.6457	100.00 n
1,2,3,7,8-PeCDD	9696460	1.56 y	27:13	0.9290	10.00 n
Total PeCDD	-	- n	-	0.9290	10.00 n
13C-1,2,3,7,8,9-HxCDD	119338900	1.29 y	33:12	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	116840100	0.51 y	32:03	0.9791	100.00 n
1,2,3,4,7,8-HxCDF	13837370	1.16 y	32:04	1.1843	10.00 n
1,2,3,6,7,8-HxCDF	15711510	1.20 y	32:11	1.3447	10.00 n
2,3,4,6,7,8-HxCDF	13850440	1.17 y	32:44	1.1854	10.00 n
1,2,3,7,8,9-HxCDF	11885350	1.19 y	33:23	1.0172	10.00 n
Total HxCDF	-	- n	-	1.1829	40.00 n
13C-1,2,3,6,7,8-HxCDD	92237400	1.32 y	32:57	0.7729	100.00 n
1,2,3,4,7,8-HxCDD	9381490	1.25 y	32:53	1.0171	10.00 n
1,2,3,6,7,8-HxCDD	9738380	1.25 y	32:57	1.0558	10.00 n
1,2,3,7,8,9-HxCDD	10785510	1.28 y	33:12	1.1693	10.00 n
Total HxCDD	-	- n	-	1.0807	30.00 n
13C-1,2,3,4,6,7,8-HpCDF	97759400	0.43 y	34:42	0.8192	100.00 n
1,2,3,4,6,7,8-HpCDF	12506030	0.97 y	34:43	1.2793	10.00 n
1,2,3,4,7,8,9-HpCDF	9737130	0.96 y	35:52	0.9960	10.00 n
Total HpCDF	-	- n	-	1.1376	20.00 n
13C-1,2,3,4,6,7,8-HpCDD	79460100	1.04 y	35:31	0.6658	100.00 n
1,2,3,4,6,7,8-HpCDD	8216600	1.02 y	35:32	1.0341	10.00 n
Total HpCDD	-	- n	-	1.0341	10.00 n
13C-OCDD	117016000	0.90 y	38:02	0.4903	200.00 n
OCDF	16264550	0.91 y	38:09	1.3899	20.00 n
OCDD	13337580	0.89 y	38:03	1.1398	20.00 n

Run #3 Filename 12AP104D5 S: 2 I: 1
 Acquired: 12-APR-10 09:14:17 Processed: 12-APR-10 13:15:06
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Comments:

Sample text: ST0412 :CS-3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	64371200	0.84 y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	102873500	0.76 y	19:05	1.5981	100.00	n
2,3,7,8-TCDF	10115650	0.82 y	19:06	0.9833	10.00	n
Total TCDF	-	- n	-	0.9833	10.00	n
13C-2,3,7,8-TCDD	61271500	0.83 y	19:53	0.9518	100.00	n
2,3,7,8-TCDD	6357860	0.79 y	19:54	1.0377	10.00	n
Total TCDD	-	- n	-	1.0377	10.00	n
37Cl-2,3,7,8-TCDD	13876260	1.00 y	19:54	2.1557	10.00	n
13C-1,2,3,7,8-PeCDF	65259400	1.55 y	24:49	1.0138	100.00	n
1,2,3,7,8-PeCDF	35414800	1.47 y	24:50	1.0854	50.00	n
2,3,4,7,8-PeCDF	33672100	1.50 y	26:22	1.0319	50.00	n
Total F2 PeCDF	-	- n	-	1.0587	100.00	n
Total F1 PeCDF	-	- n	-	1.0587	100.00	n
13C-1,2,3,7,8-PeCDD	39998300	1.51 y	27:10	0.6214	100.00	n
1,2,3,7,8-PeCDD	20706690	1.56 y	27:12	1.0354	50.00	n
Total PeCDD	-	- n	-	1.0354	50.00	n
13C-1,2,3,7,8,9-HxCDD	43950100	1.30 y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	47581500	0.51 y	32:03	1.0826	100.00	n
1,2,3,4,7,8-HxCDF	29775400	1.17 y	32:04	1.2516	50.00	n
1,2,3,6,7,8-HxCDF	34813100	1.18 y	32:11	1.4633	50.00	n
2,3,4,6,7,8-HxCDF	30804200	1.18 y	32:43	1.2948	50.00	n
1,2,3,7,8,9-HxCDF	27436400	1.20 y	33:22	1.1532	50.00	n
Total HxCDF	-	- n	-	1.2907	200.00	n
13C-1,2,3,6,7,8-HxCDD	37776400	1.31 y	32:56	0.8595	100.00	n
1,2,3,4,7,8-HxCDD	19591860	1.40 y	32:52	1.0373	50.00	n
1,2,3,6,7,8-HxCDD	22495200	1.13 y	32:57	1.1910	50.00	n
1,2,3,7,8,9-HxCDD	23103700	1.25 y	33:12	1.2232	50.00	n
Total HxCDD	-	- n	-	1.1505	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	41837400	0.43 y	34:42	0.9519	100.00	n
1,2,3,4,6,7,8-HpCDF	29031500	0.97 y	34:42	1.3878	50.00	n
1,2,3,4,7,8,9-HpCDF	22825800	0.97 y	35:50	1.0912	50.00	n
Total HpCDF	-	- n	-	1.2395	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	33979600	1.08 y	35:31	0.7731	100.00	n
1,2,3,4,6,7,8-HpCDD	18775170	1.01 y	35:31	1.1051	50.00	n
Total HpCDD	-	- n	-	1.1051	50.00	n
13C-OCDD	50907600	0.91 y	38:02	0.5792	200.00	n
OCDF	38455800	0.91 y	38:09	1.5108	100.00	n
OCDD	31406500	0.90 y	38:02	1.2339	100.00	n

Run #4 Filename 12AP104D5 S: 6 I: 1
 Acquired: 12-APR-10 12:16:51 Processed: 12-APR-10 13:15:06
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Comments:

Sample text: ST0412D :CS-4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	155249200	0.82 y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	213728200	0.78 y	19:04	1.3767	100.00	n
2,3,7,8-TCDF	81152300	0.80 y	19:05	0.9492	40.00	n
Total TCDF	-	- n	-	0.9492	40.00	n
13C-2,3,7,8-TCDD	140634600	0.81 y	19:53	0.9059	100.00	n
2,3,7,8-TCDD	58567300	0.76 y	19:54	1.0411	40.00	n
Total TCDD	-	- n	-	1.0411	40.00	n
37Cl-2,3,7,8-TCDD	132968000	1.00 y	19:54	2.1412	40.00	n
13C-1,2,3,7,8-PeCDF	152320900	1.55 y	24:49	0.9811	100.00	n
1,2,3,7,8-PeCDF	330717000	1.52 y	24:50	1.0856	200.00	n
2,3,4,7,8-PeCDF	311957000	1.53 y	26:21	1.0240	200.00	n
Total F2 PeCDF	-	- n	-	1.0548	400.00	n
Total F1 PeCDF	-	- n	-	1.0548	400.00	n
13C-1,2,3,7,8-PeCDD	98815100	1.51 y	27:10	0.6365	100.00	n
1,2,3,7,8-PeCDD	200073100	1.56 y	27:12	1.0124	200.00	n
Total PeCDD	-	- n	-	1.0124	200.00	n
13C-1,2,3,7,8,9-HxCDD	122882600	1.29 y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	112493800	0.51 y	32:02	0.9155	100.00	n
1,2,3,4,7,8-HxCDF	286893000	1.17 y	32:03	1.2752	200.00	n
1,2,3,6,7,8-HxCDF	309941000	1.20 y	32:10	1.3776	200.00	n
2,3,4,6,7,8-HxCDF	284576000	1.18 y	32:44	1.2649	200.00	n
1,2,3,7,8,9-HxCDF	263425000	1.19 y	33:22	1.1708	200.00	n
Total HxCDF	-	- n	-	1.2721	800.00	n
13C-1,2,3,6,7,8-HxCDD	88870500	1.27 y	32:55	0.7232	100.00	n
1,2,3,4,7,8-HxCDD	190818600	1.23 y	32:51	1.0736	200.00	n
1,2,3,6,7,8-HxCDD	205324800	1.26 y	32:56	1.1552	200.00	n
1,2,3,7,8,9-HxCDD	238684000	1.24 y	33:12	1.3429	200.00	n
Total HxCDD	-	- n	-	1.1905	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	97521600	0.43 y	34:41	0.7936	100.00	n
1,2,3,4,6,7,8-HpCDF	264362000	0.96 y	34:42	1.3554	200.00	n
1,2,3,4,7,8,9-HpCDF	206496000	0.97 y	35:50	1.0587	200.00	n
Total HpCDF	-	- n	-	1.2071	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	78184500	1.04 y	35:30	0.6363	100.00	n
1,2,3,4,6,7,8-HpCDD	173361700	1.02 y	35:31	1.1087	200.00	n
Total HpCDD	-	- n	-	1.1087	200.00	n
13C-OCDD	120964400	0.91 y	38:01	0.4922	200.00	n
OCDF	363722000	0.91 y	38:08	1.5034	400.00	n
OCDD	291736000	0.90 y	38:02	1.2059	400.00	n

Run #5 Filename 12AP104D5 S: 5 I: 1
 Acquired: 12-APR-10 11:32:49 Processed: 12-APR-10 13:15:07
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

Comments:

Sample text: ST0412C :CS-5 09DXN456

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	133027400	0.81 y	19:40	-	100.00 n
13C-2,3,7,8-TCDF	214932900	0.77 y	19:04	1.6157	100.00 n
2,3,7,8-TCDF	420869000	0.81 y	19:05	0.9791	200.00 n
Total TCDF	-	- n	-	0.9791	200.00 n
13C-2,3,7,8-TCDD	144056100	0.81 y	19:52	1.0829	100.00 n
2,3,7,8-TCDD	302482000	0.77 y	19:54	1.0499	200.00 n
Total TCDD	-	- n	-	1.0499	200.00 n
37Cl-2,3,7,8-TCDD	681830000	1.00 y	19:54	2.5627	200.00 n
13C-1,2,3,7,8-PeCDF	174822600	1.57 y	24:49	1.3142	100.00 n
1,2,3,7,8-PeCDF	1854040000	1.52 y	24:50	1.0605	1000.00 n
2,3,4,7,8-PeCDF	1680778000	1.50 y	26:21	0.9614	1000.00 n
Total F2 PeCDF	-	- n	-	1.0110	2000.00 n
Total F1 PeCDF	-	- n	-	1.0110	2000.00 n
13C-1,2,3,7,8-PeCDD	111282000	1.52 y	27:09	0.8365	100.00 n
1,2,3,7,8-PeCDD	1107251000	1.56 y	27:12	0.9950	1000.00 n
Total PeCDD	-	- n	-	0.9950	1000.00 n
13C-1,2,3,7,8,9-HxCDD	124536600	1.30 y	33:11	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	132485800	0.52 y	32:03	1.0638	100.00 n
1,2,3,4,7,8-HxCDF	1629345000	1.17 y	32:04	1.2298	1000.00 n
1,2,3,6,7,8-HxCDF	1761404000	1.19 y	32:10	1.3295	1000.00 n
2,3,4,6,7,8-HxCDF	1634313000	1.18 y	32:43	1.2336	1000.00 n
1,2,3,7,8,9-HxCDF	1458311000	1.19 y	33:21	1.1007	1000.00 n
Total HxCDF	-	- n	-	1.2234	4000.00 n
13C-1,2,3,6,7,8-HxCDD	107863400	1.32 y	32:55	0.8661	100.00 n
1,2,3,4,7,8-HxCDD	1053487000	1.22 y	32:51	0.9767	1000.00 n
1,2,3,6,7,8-HxCDD	1196229000	1.25 y	32:56	1.1090	1000.00 n
1,2,3,7,8,9-HxCDD	1280853000	1.24 y	33:12	1.1875	1000.00 n
Total HxCDD	-	- n	-	1.0911	3000.00 n
13C-1,2,3,4,6,7,8-HpCDF	109839300	0.44 y	34:41	0.8820	100.00 n
1,2,3,4,6,7,8-HpCDF	1454217000	0.96 y	34:42	1.3239	1000.00 n
1,2,3,4,7,8,9-HpCDF	1128812000	0.96 y	35:50	1.0277	1000.00 n
Total HpCDF	-	- n	-	1.1758	2000.00 n
13C-1,2,3,4,6,7,8-HpCDD	88075100	1.03 y	35:30	0.7072	100.00 n
1,2,3,4,6,7,8-HpCDD	954247000	1.02 y	35:31	1.0834	1000.00 n
Total HpCDD	-	- n	-	1.0834	1000.00 n
13C-OCDD	140888400	0.91 y	38:02	0.5657	200.00 n
OCDF	2112770000	0.91 y	38:09	1.4996	2000.00 n
OCDD	1652111000	0.90 y	38:03	1.1726	2000.00 n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
12AP104D5	1	CP0412	DB-5 CPSM 3732-04				1.00000	
12AP104D5	2	ST0412	CS-3 10DXN111				1.00000	
12AP104D5	3	ST0412A	CS-2 09DXN423				1.00000	
12AP104D5	4	ST0412B	CS-1 09DXN422				1.00000	
12AP104D5	5	ST0412C	CS-5 09DXN456				1.00000	
12AP104D5	6	ST0412D	CS-4 09DXN426				1.00000	
12AP104D5	7	ST0412E	2nd Source 09DXN449				1.00000	
12AP104D5	8	ST0412F	CS-3 10DXN111				1.00000	
12AP104D5	9	CP0412A	DB-5 CPSM 3732-04				1.00000	
12AP104D5	10	SB0412	Solvent Blank C-14				1.00000	
12AP104D5	11	LXH9E-1-AA	G0D050000-198B	20	8290A/WATER	V-1	1.00000	L
12AP104D5	12	LXH9E-1-AC	G0D050000-198C	20	8290A/WATER		1.00000	L
12AP104D5	13	LXFLQ-1-AA	C0D010564-13	20	8290A/WATER		1.04090	L
12AP104D5	14	LXMQP-1-AC	G0D070000-424C	20	8290A/SOLID		10.00000	g
12AP104D5	15	LXMQP-1-AA	G0D070000-424B	20	8290A/SOLID		10.00000	g
12AP104D5	16	LXFKR-1-AA	C0D010564-1	20	8290A/SOLID		10.96000	g
12AP104D5	17	LXFKX-1-AA	C0D010564-2	20	8290A/SOLID		10.00000	g
12AP104D5	18	LXFK2-1-AA	C0D010564-3	20	8290A/SOLID		10.45000	g
12AP104D5	19	LXFK7-1-AA	C0D010564-4	20	8290A/SOLID		10.83000	g
12AP104D5	20	LXFLA-1-AA	C0D010564-5	20	8290A/SOLID		10.37000	g
12AP104D5	21	LXFLC-1-AA	C0D010564-6	20	8290A/SOLID		10.75000	g
12AP104D5	22	LXFLD-1-AA	C0D010564-7	20	8290A/SOLID		10.36000	g
12AP104D5	23	LXFLD-1-AD	C0D010564-7S	20	8290A/SOLID		10.12000	g
12AP104D5	24	LXFLD-1-AE	C0D010564-7D	20	8290A/SOLID		10.69000	g
12AP104D5	25	SB0412A	Solvent Blank C-14				1.00000	
12AP104D5	26	ST0412G	CS-3 10DXN111				1.00000	
12AP104D5	27	CP0412B	DB-5 CPSM 3732-04				1.00000	
12AP104D5	28	SB0412B	Solvent Blank C-14				1.00000	
12AP104D5	29	LXFLE-1-AA	C0D010564-8	20	8290A/SOLID	V-1	10.54000	g
12AP104D5	30	LXFLF-1-AA	C0D010564-9	20	8290A/SOLID		10.12000	g
12AP104D5	31	LXFLG-1-AA	C0D010564-10	20	8290A/SOLID		10.98000	g
12AP104D5	32	LXFLK-1-AA	C0D010564-11	20	8290A/SOLID		10.17000	g
12AP104D5	33	LXFLM-1-AA	C0D010564-12	20	8290A/SOLID		10.94000	g
12AP104D5	34	LXFK2-1-AA	C0D010564-3 (20x)	20	8290A/SOLID		10.45000	g
12AP104D5	35	LXFLF-1-AA	C0D010564-9 RI	20	8290A/SOLID		10.12000	g
12AP104D5	36	LXFLG-1-AA	C0D010564-10 (20x)	20	8290A/SOLID		10.98000	g
12AP104D5	37	LXFLC-1-AA	C0D010564-6 (50x)	20	8290A/SOLID		10.75000	g
12AP104D5	38	LXFLK-1-AA	C0D010564-11 (50x)	20	8290A/SOLID		10.17000	g
12AP104D5	39	LXFLE-1-AA	C0D010564-8 (100x)	20	8290A/SOLID		10.54000	g
12AP104D5	40	LXFLD-1-AA	C0D010564-7 (100x)	20	8290A/SOLID		10.36000	g
12AP104D5	41	LXFLM-1-AA	C0D010564-12 (100x)	20	8290A/SOLID		10.94000	g
12AP104D5	42	LXFLE-1-AA	C0D010564-8 (100x) RI	20	8290A/SOLID		10.54000	g
12AP104D5	43	SB0412C	Solvent Blank C-14				1.00000	
12AP104D5	44	SB0412D	Solvent Blank C-14				1.00000	
12AP104D5	45	ST0412H	CS-3 10DXN111				1.00000	
12AP104D5	46	CP0412C	DB-5 CPSM 3732-04				1.00000	
12AP104D5	47	SB0412E	Solvent Blank C-14				1.00000	
12AP104D5	48	LXFK2-1-AA	C0D010564-3 (20x) RI	20	8290A/SOLID	V-1	10.45000	g
12AP104D5	49	LXFLG-1-AA	C0D010564-10 (20x) RI	20	8290A/SOLID		10.98000	g
12AP104D5	50	LXFLC-1-AA	C0D010564-6 (50x) RI	20	8290A/SOLID		10.75000	g
12AP104D5	51	LXFLK-1-AA	C0D010564-11 (50x) RI	20	8290A/SOLID		10.17000	g
12AP104D5	52	SB0412F	Solvent Blank C-14				1.00000	
12AP104D5	53	ST0412I	CS-3 10DXN111				1.00000	

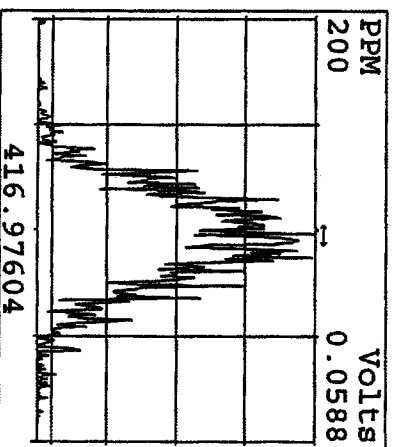
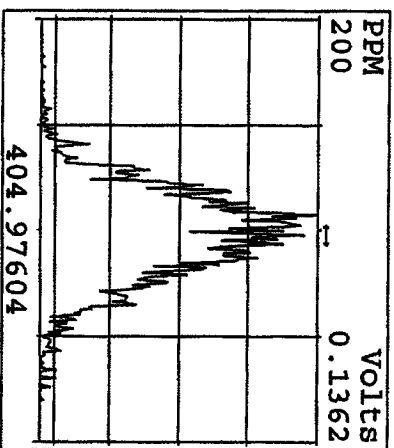
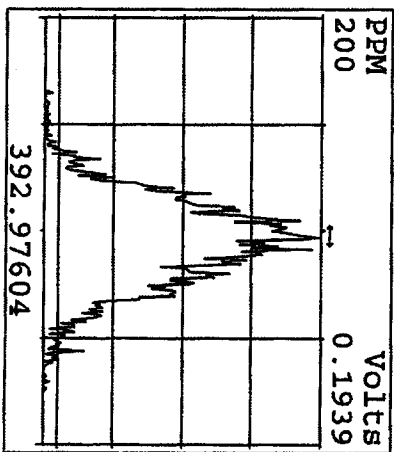
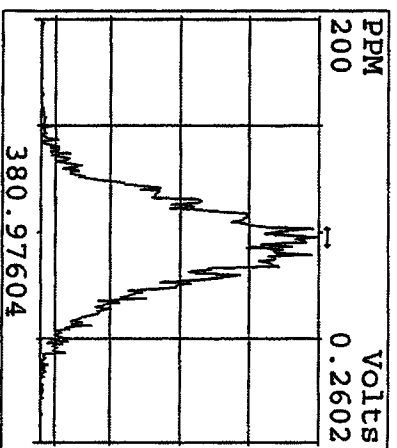
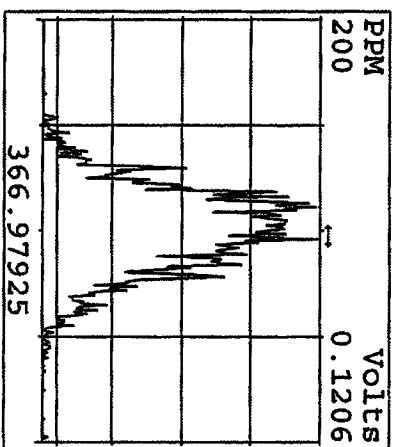
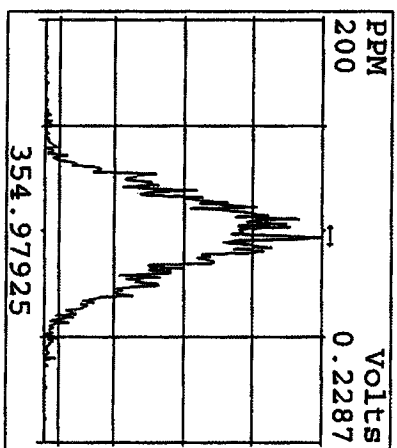
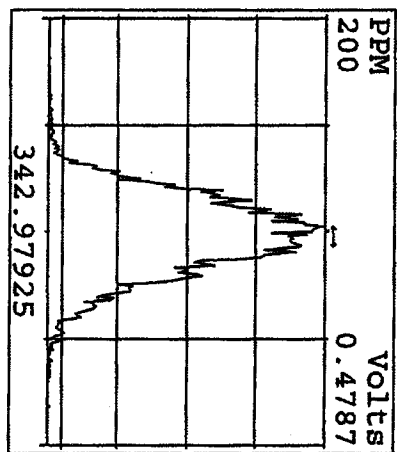
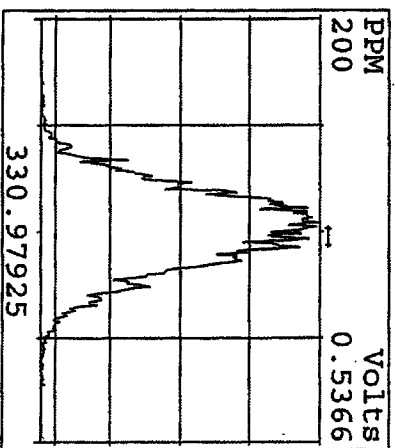
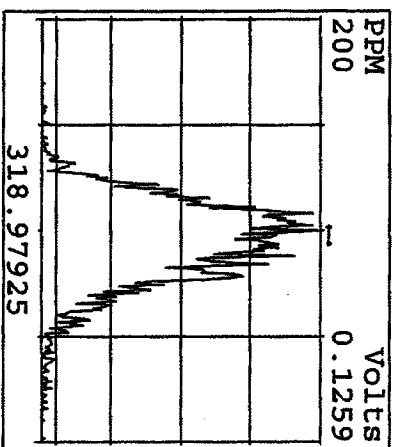
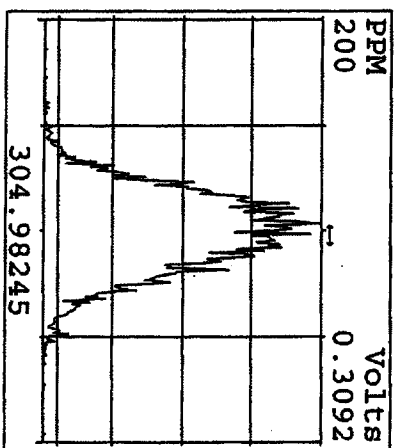
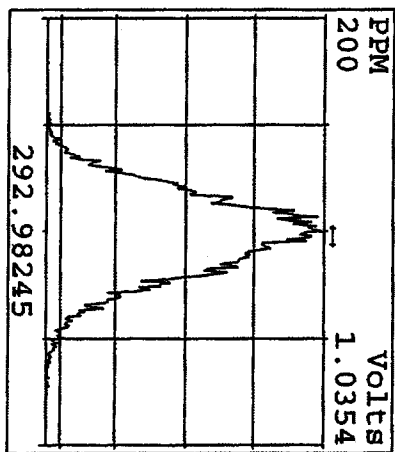
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12AP104D5 57

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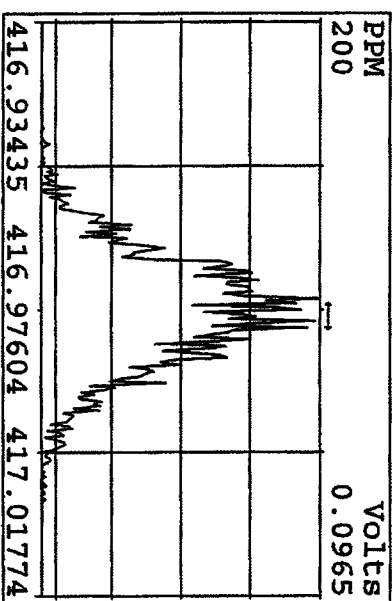
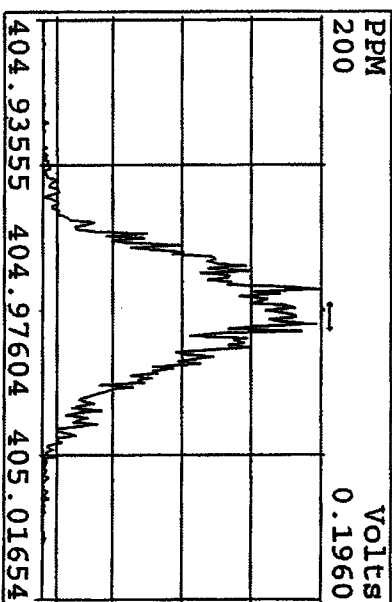
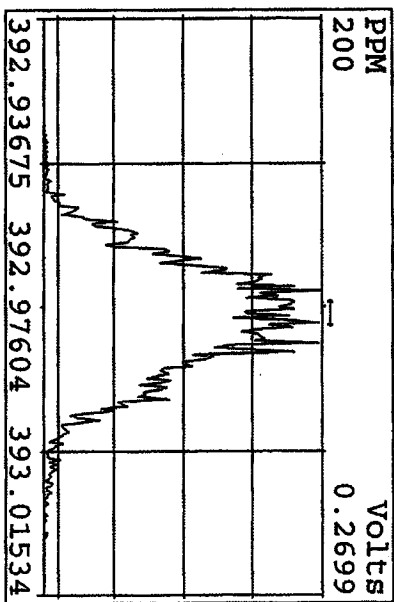
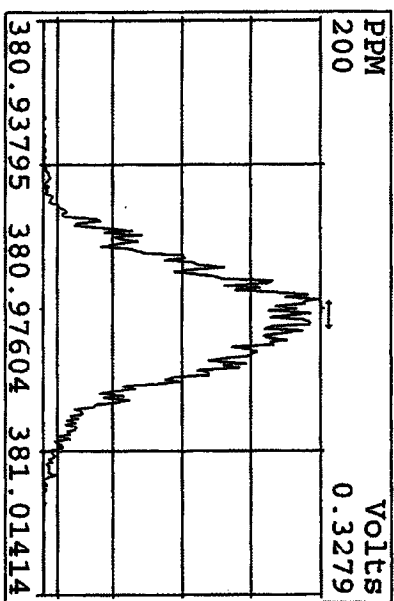
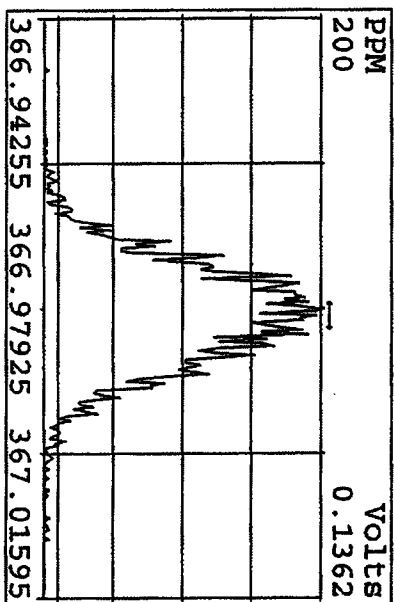
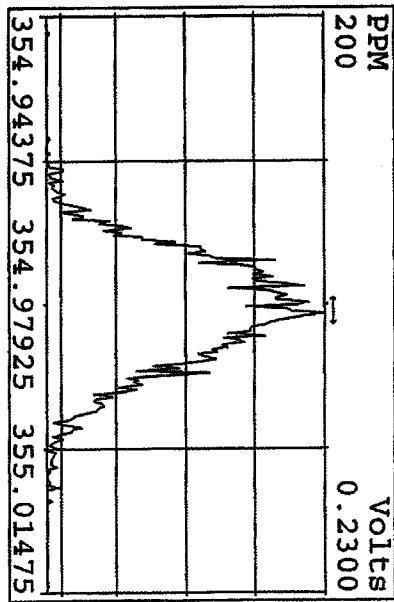
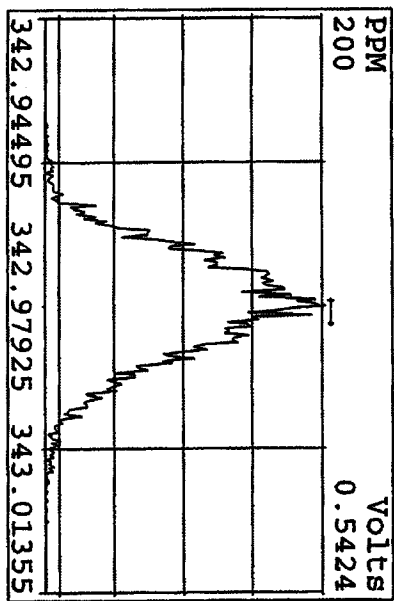
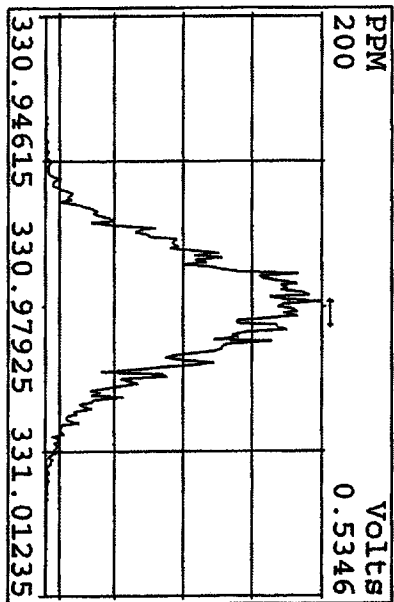
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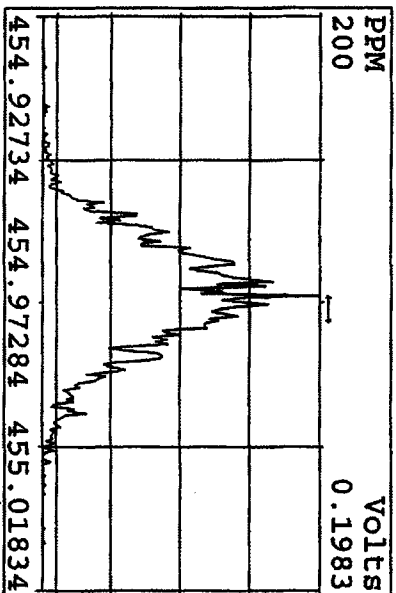
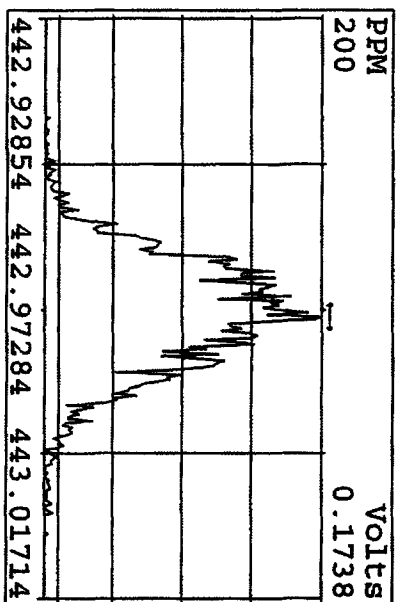
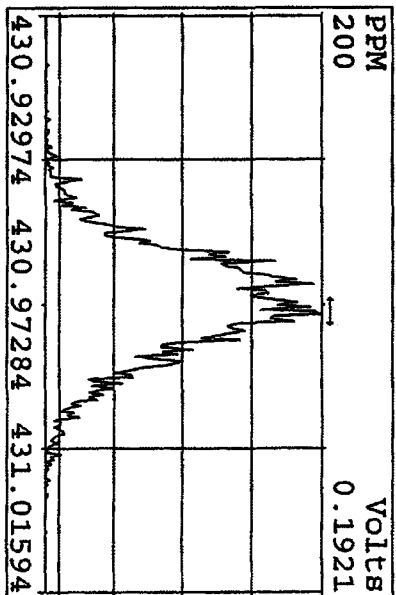
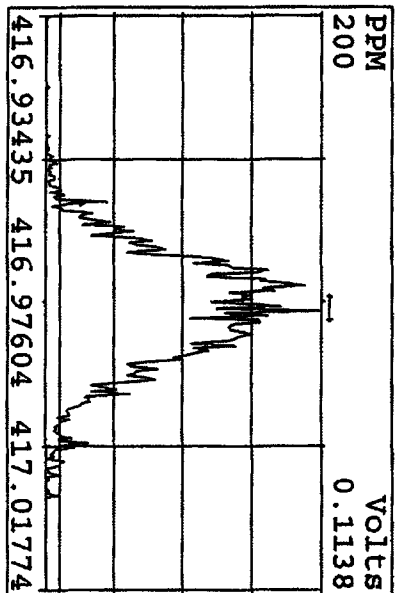
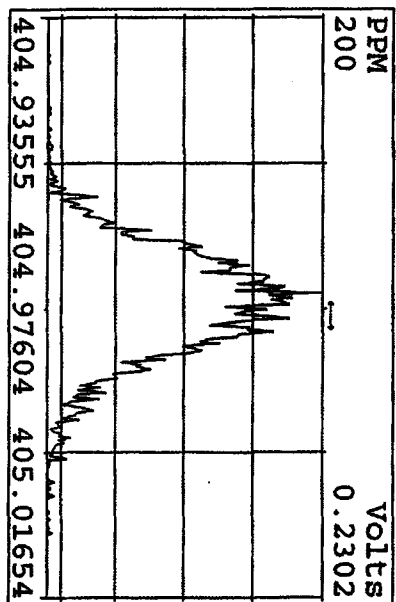
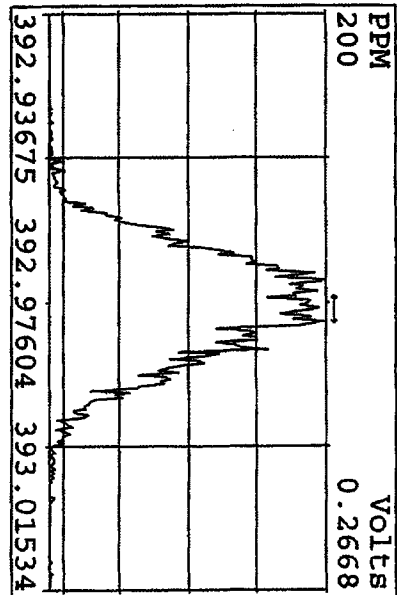
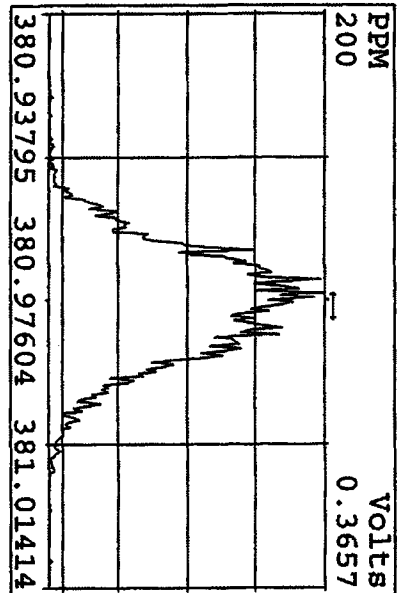
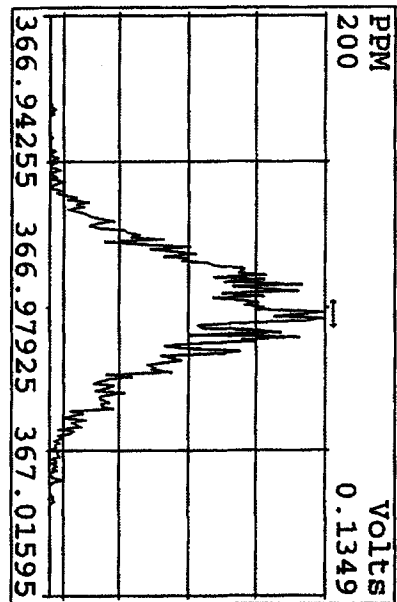
Peak Locate Examination: 12-APR-2010: 08:26 File: 12AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



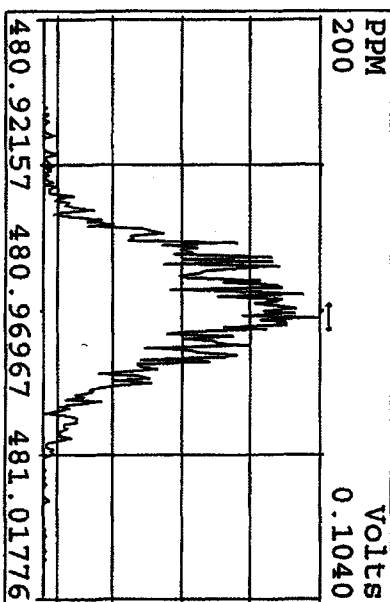
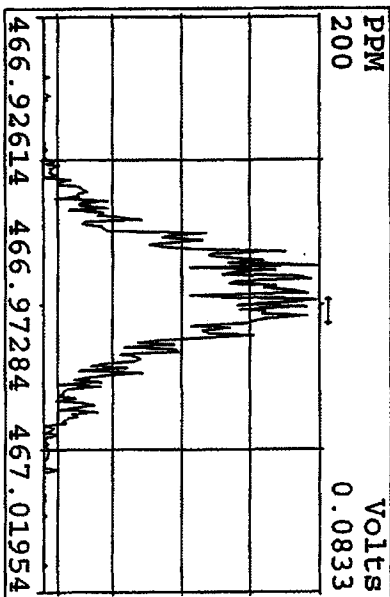
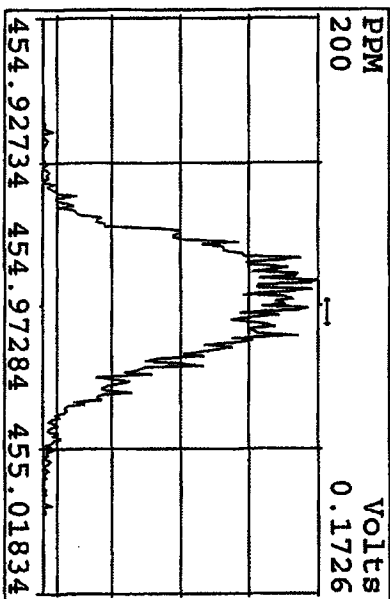
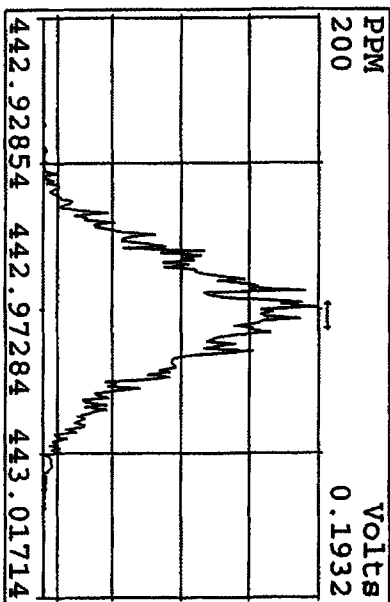
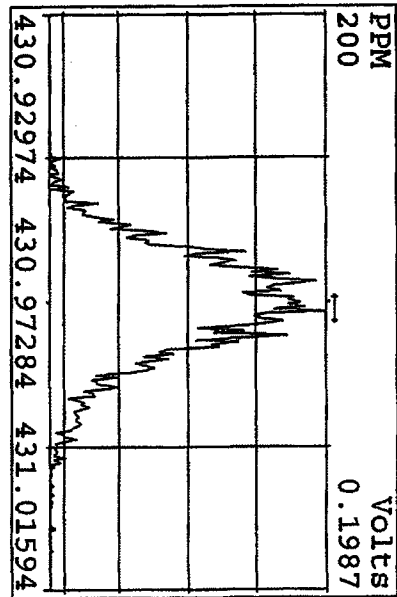
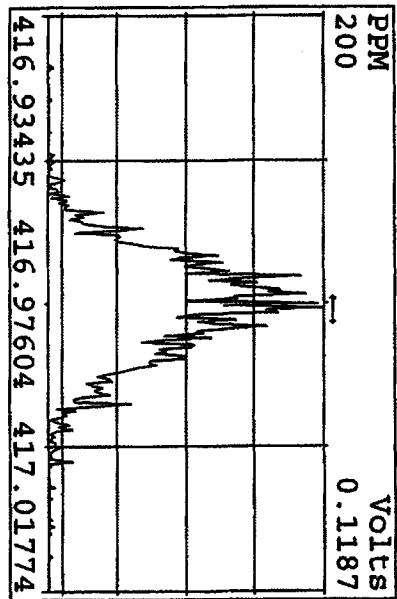
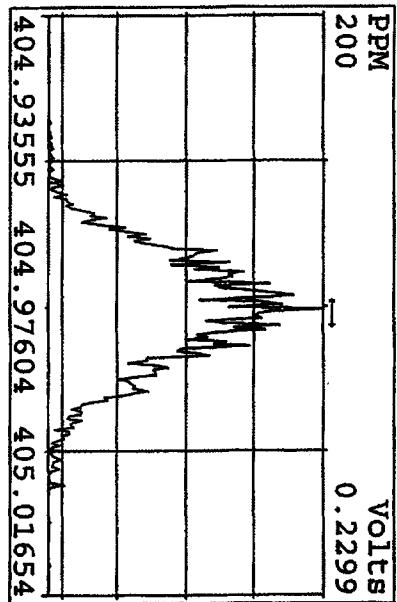
Peak Locate Examination: 12-APR-2010:08:26 File: 12AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



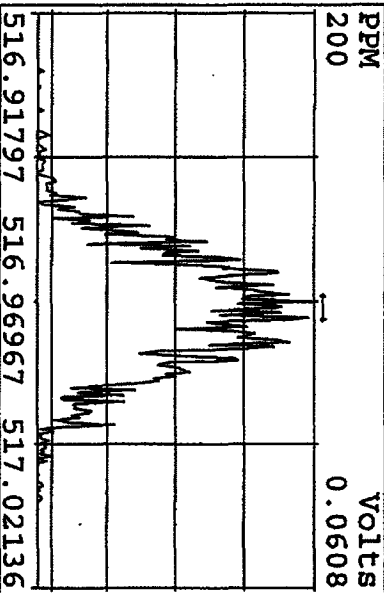
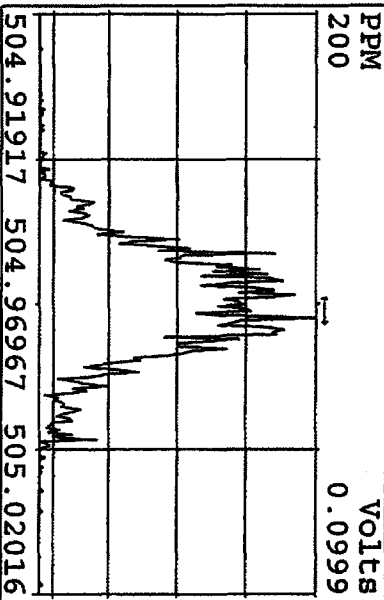
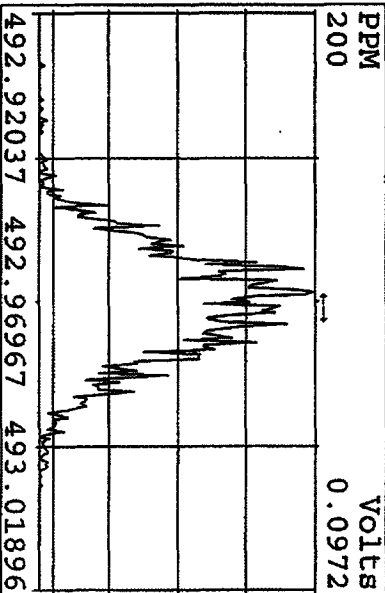
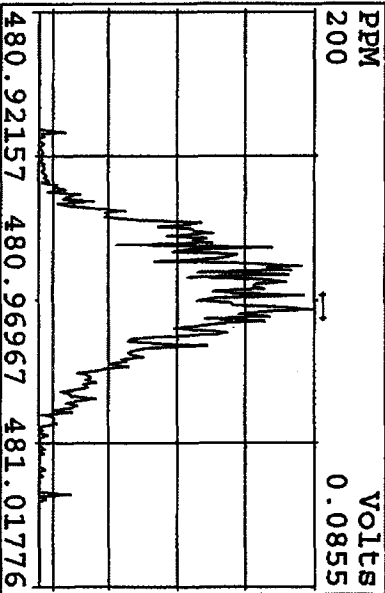
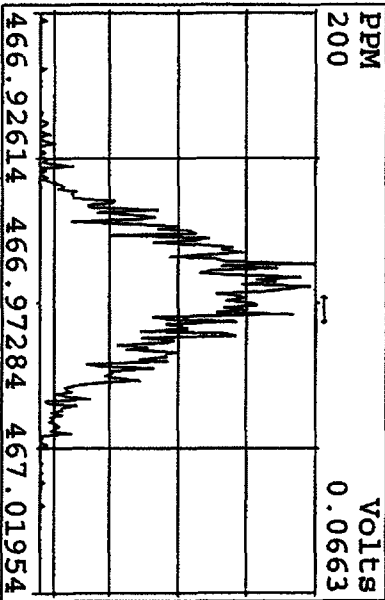
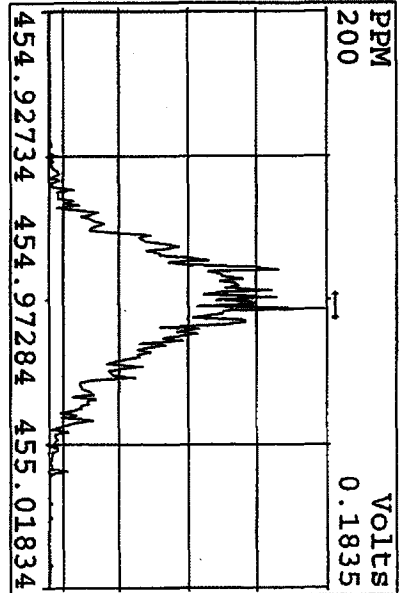
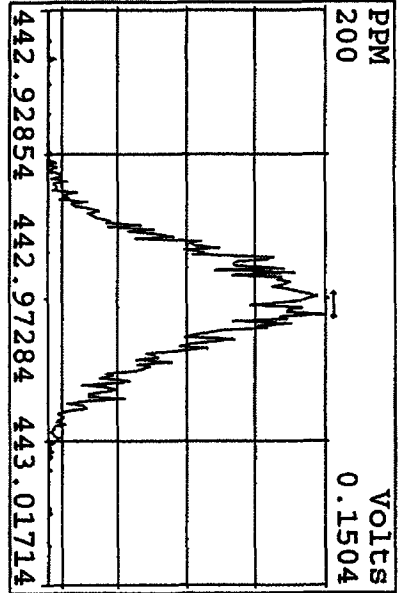
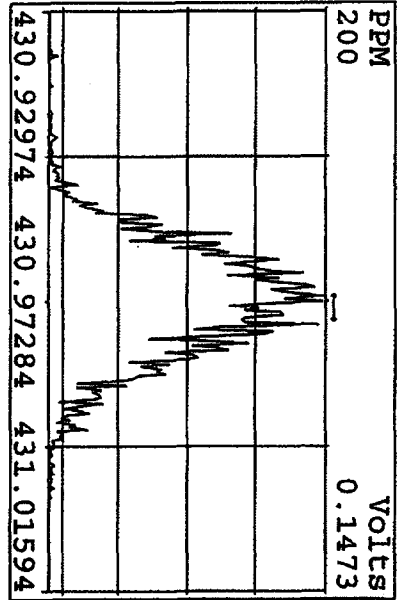
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 Experiment:DIOXINRES8290A Function:3 Reference:PFK



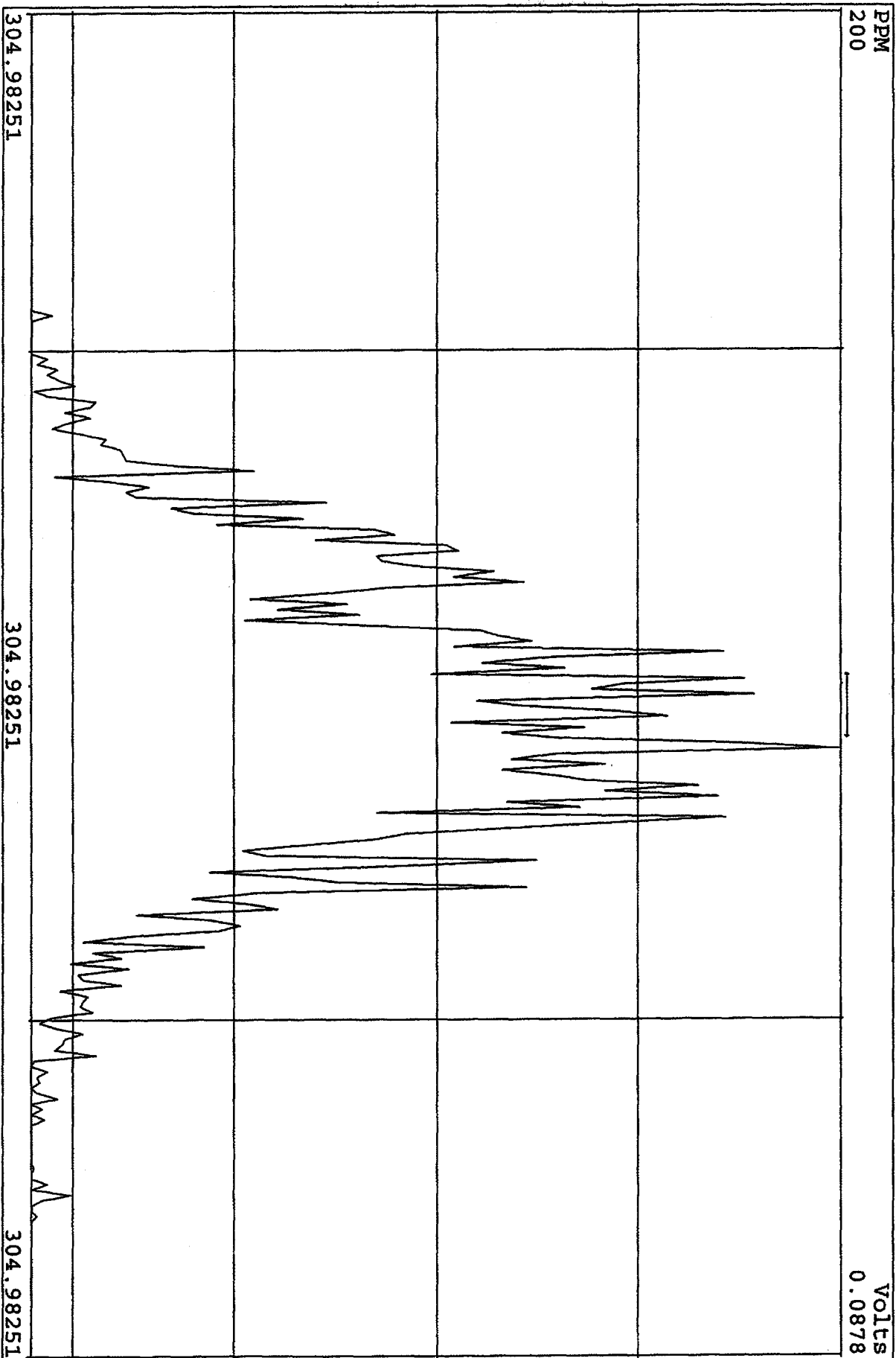
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Experiment: DIOXINRES8290A Function: 4 Reference: PFK



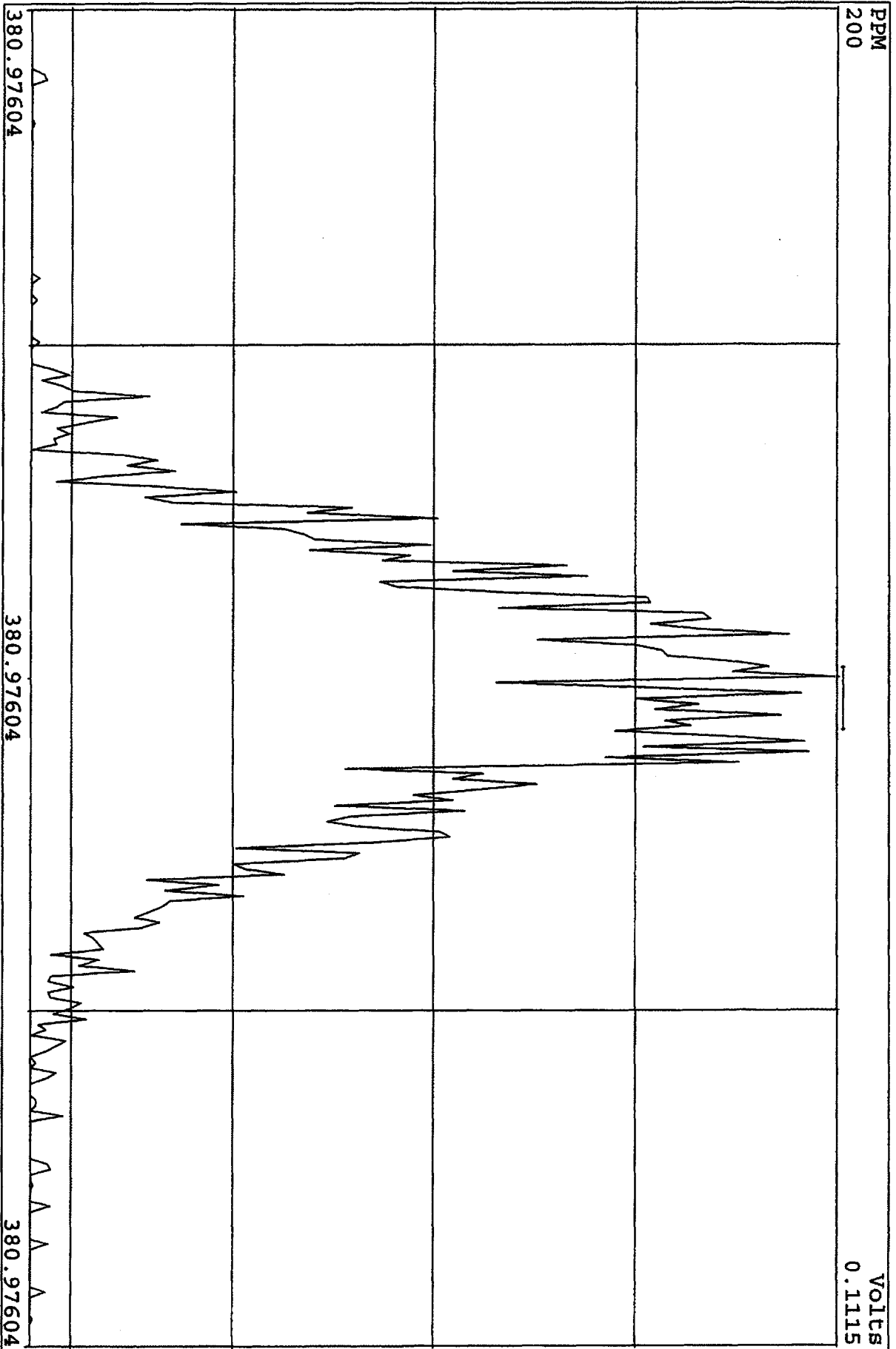
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 Experiment: DIOXINRES8290A Function: 5 Reference: PK



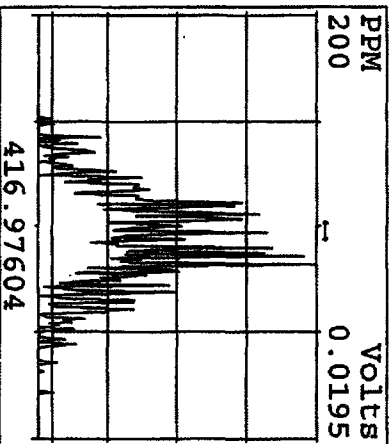
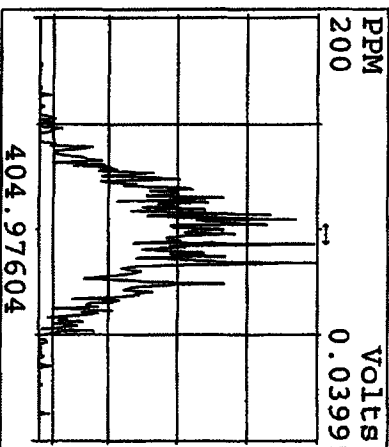
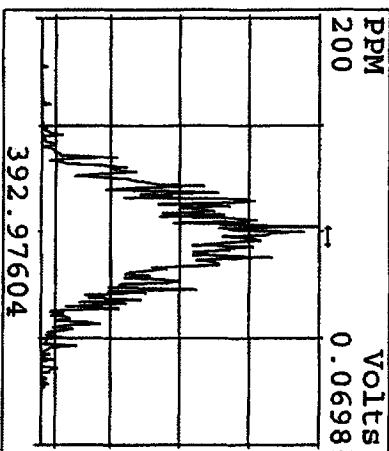
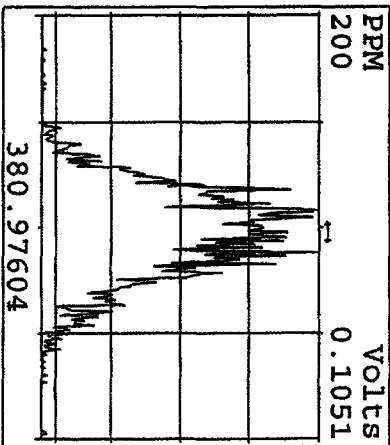
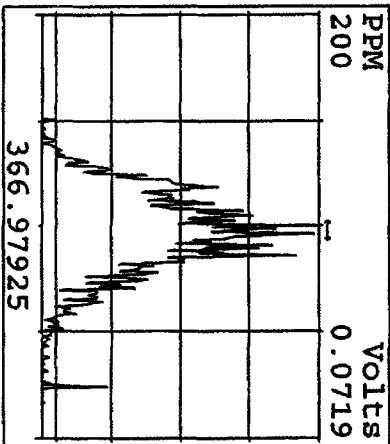
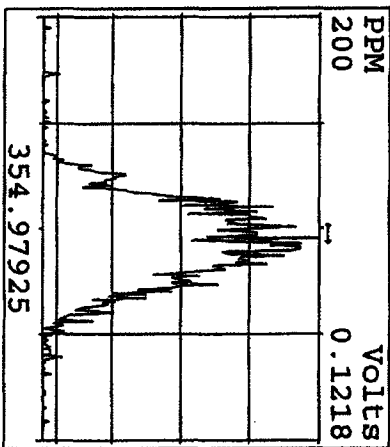
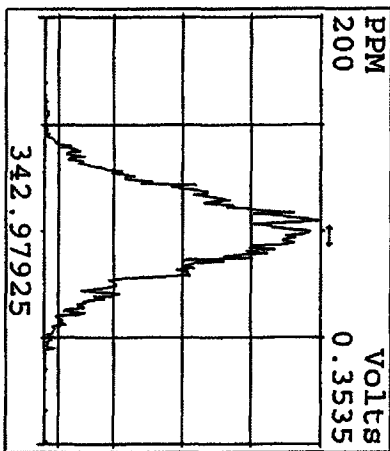
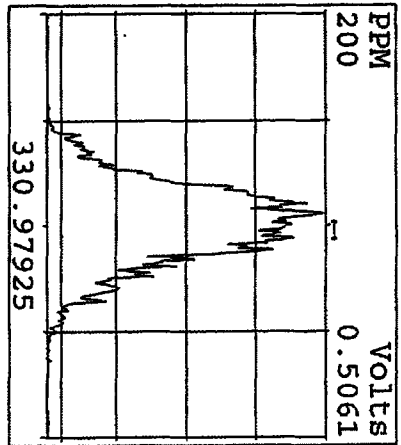
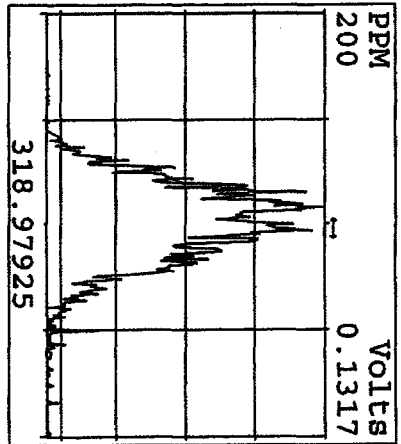
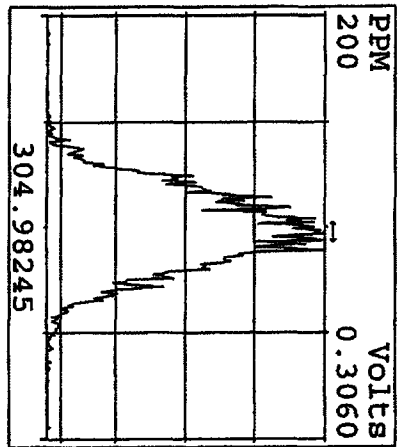
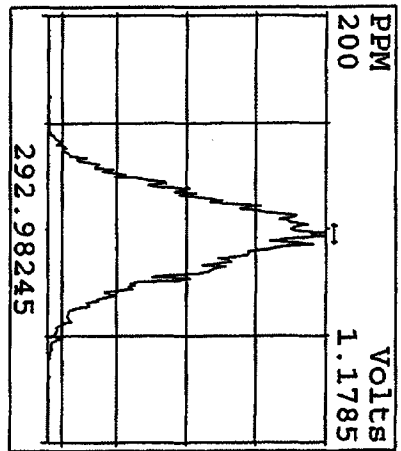
SIRIM Examination: 12-APR-2010: 14:26 File: 12API04D5
Experiment: DIOXINRES8290A Function: 7



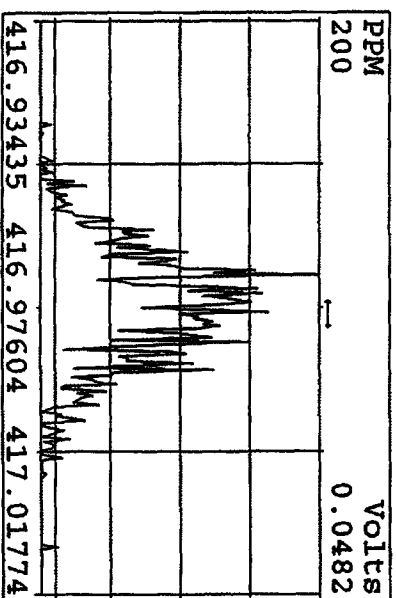
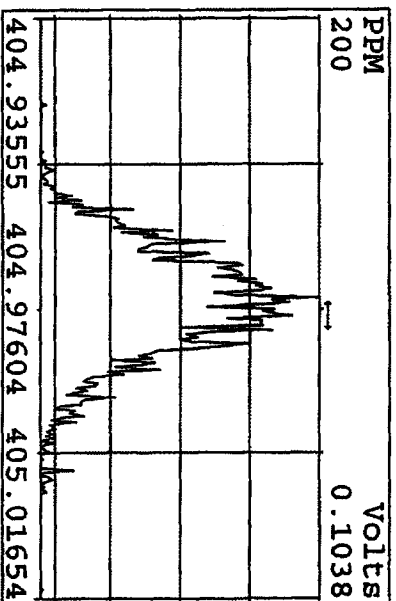
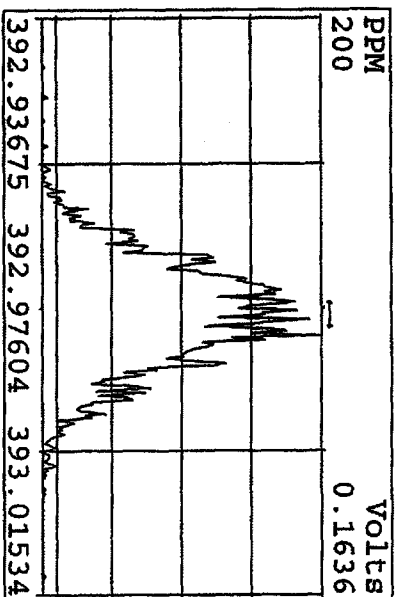
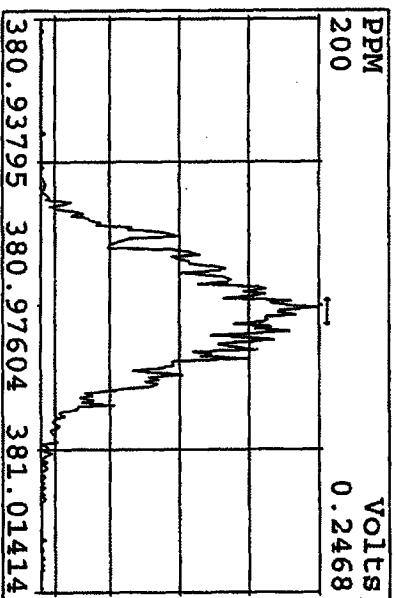
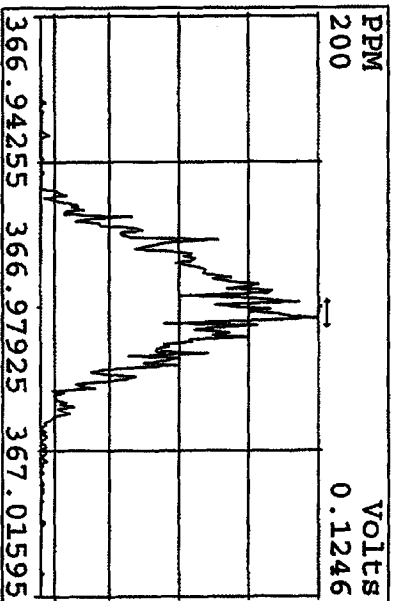
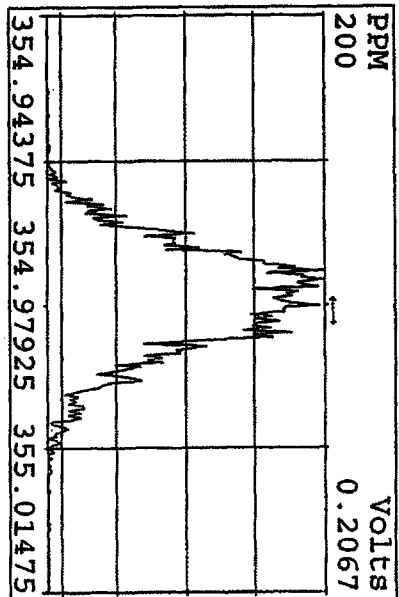
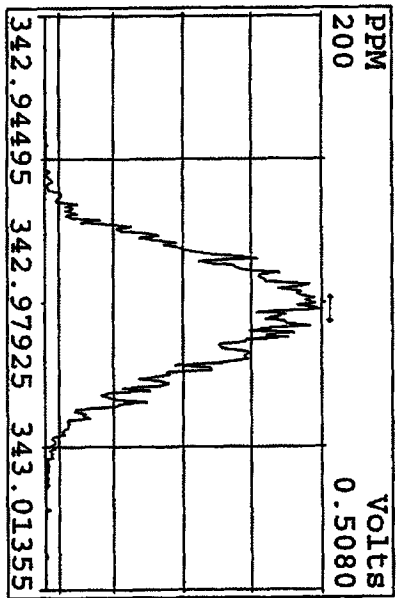
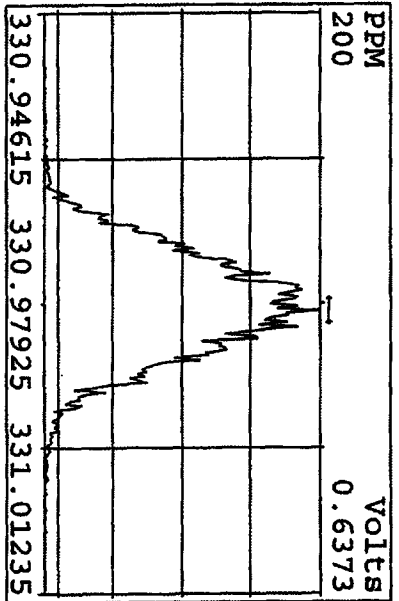
SIRIM Examination: 12-APR-2010: 14:25 File: 12API04D5
Experiment: DIOXINRES8290A Function: 6



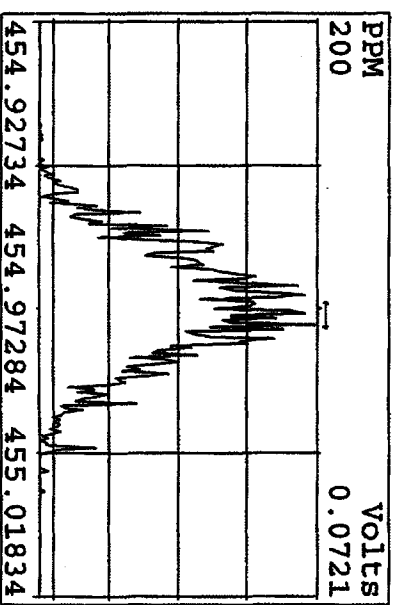
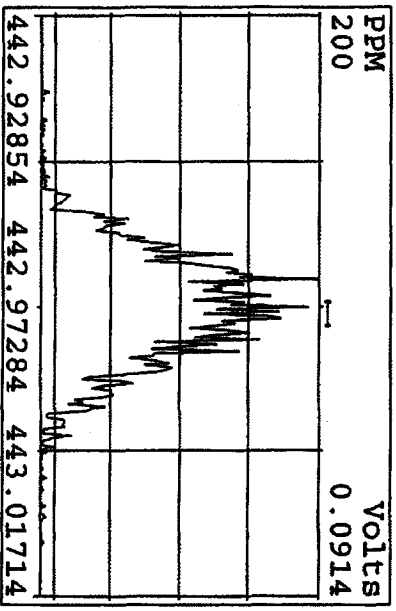
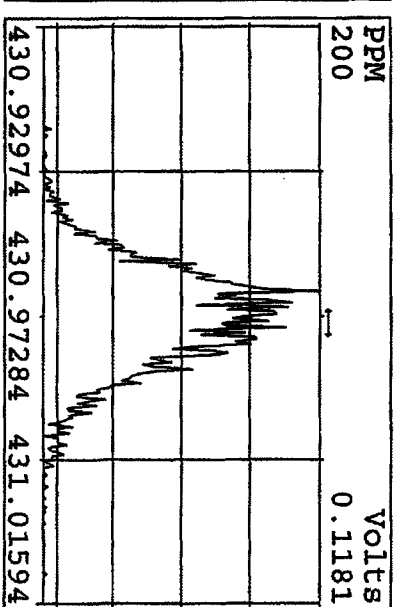
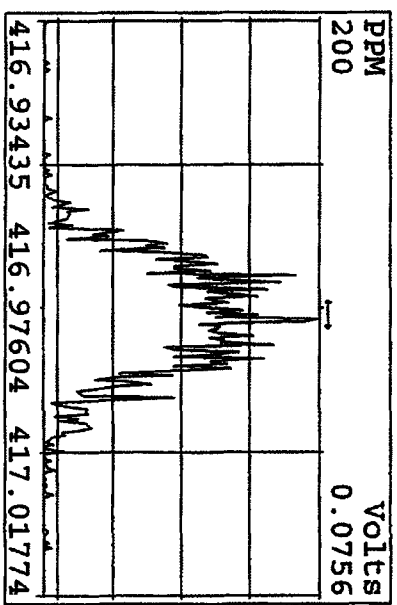
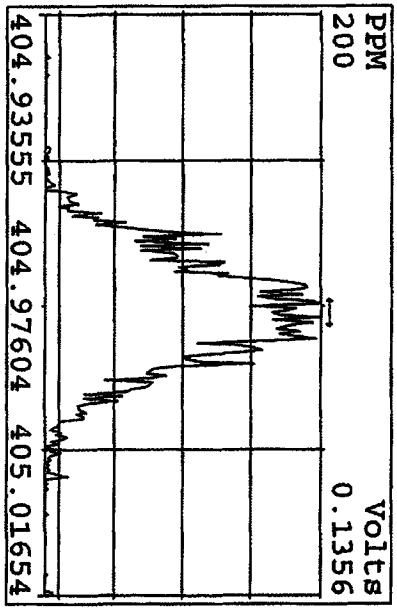
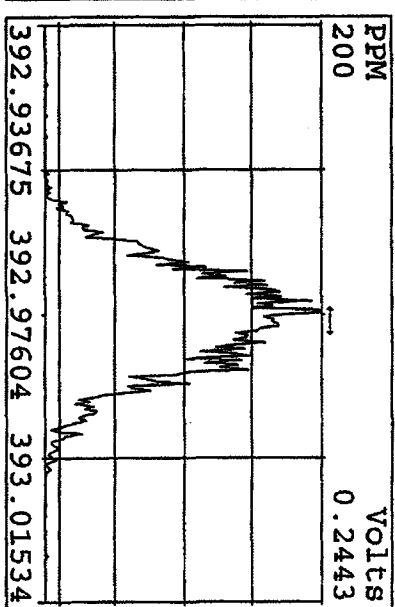
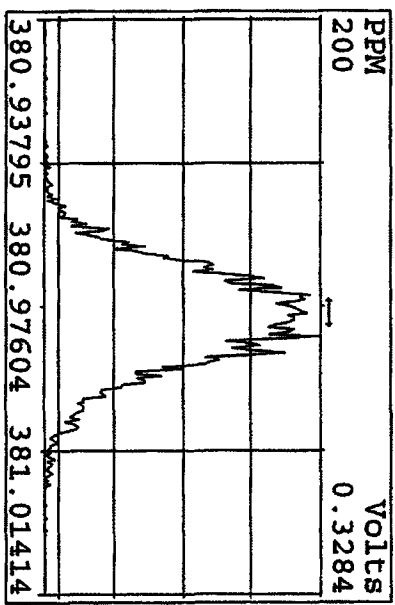
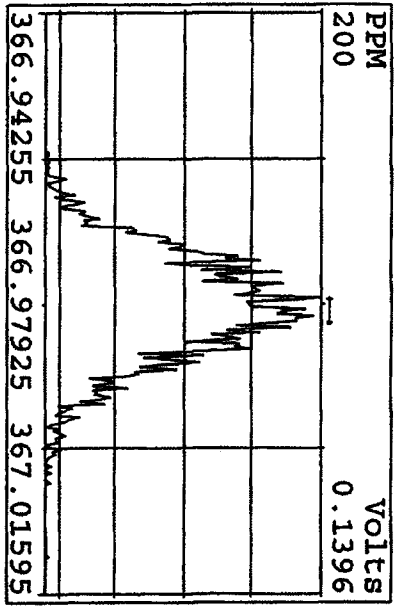
Peak Locate Examination: 14-APR-2010:00:00 File: RESCHK12AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



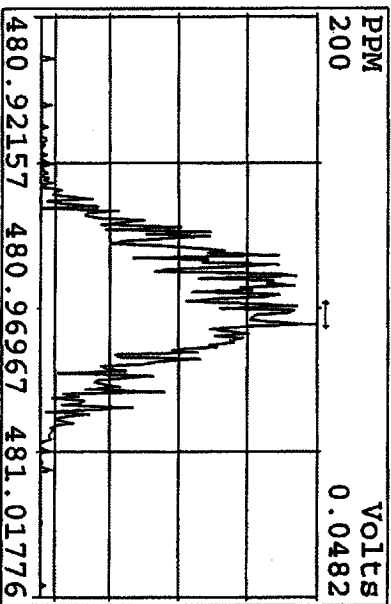
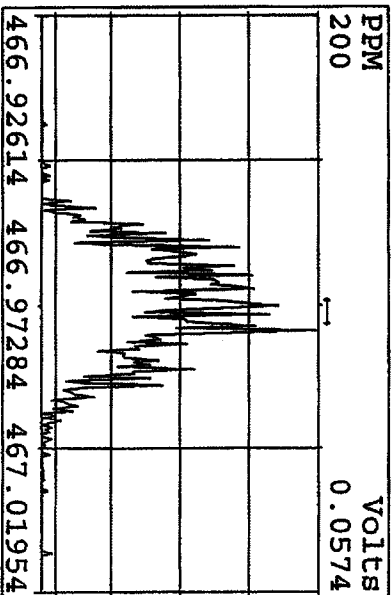
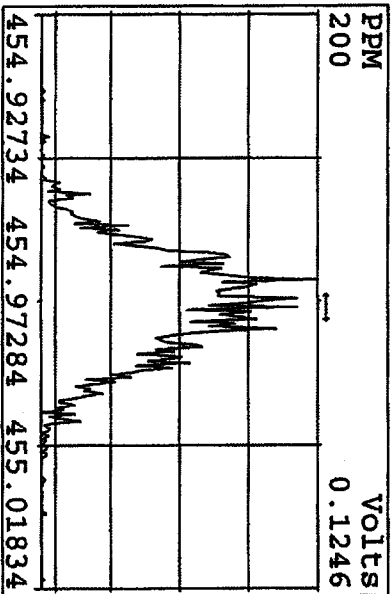
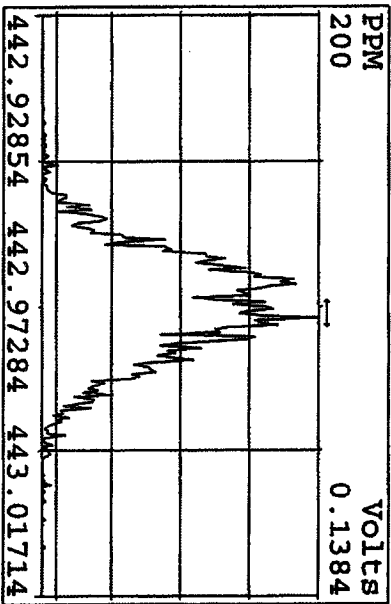
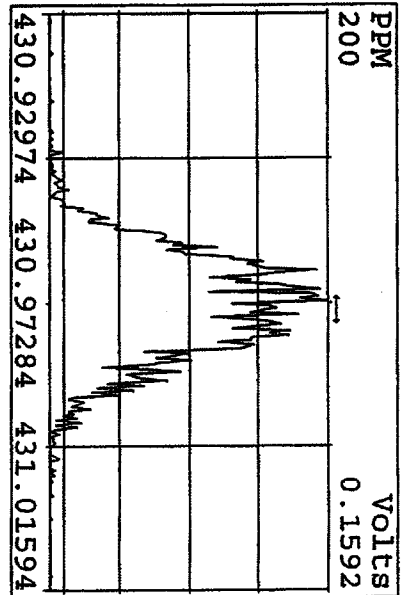
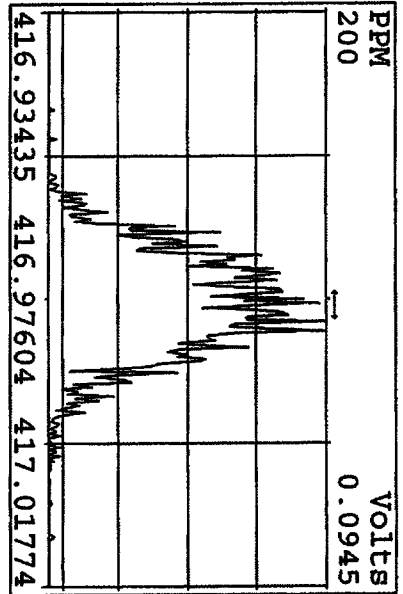
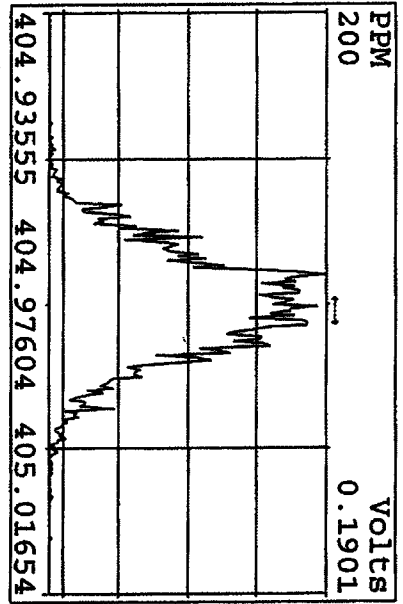
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 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



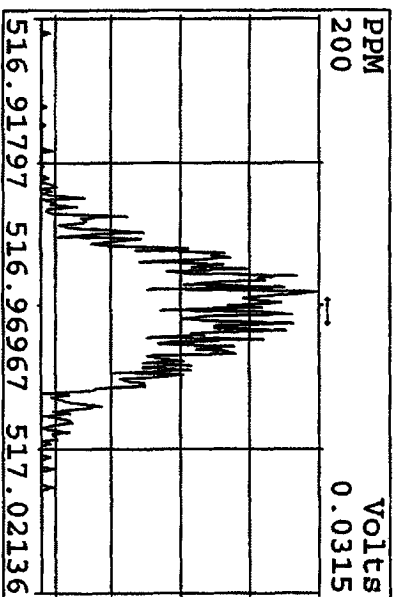
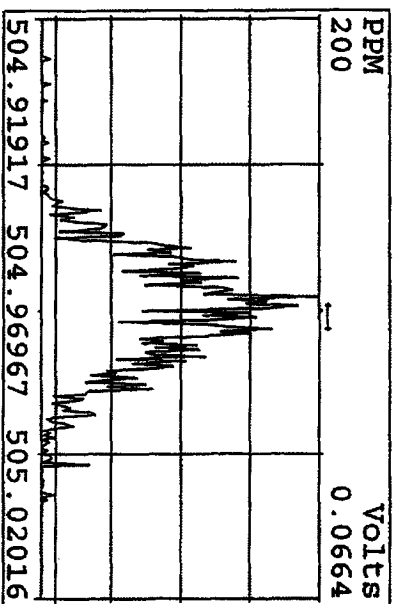
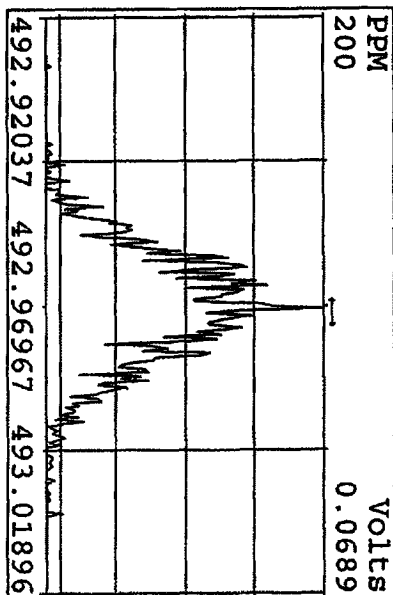
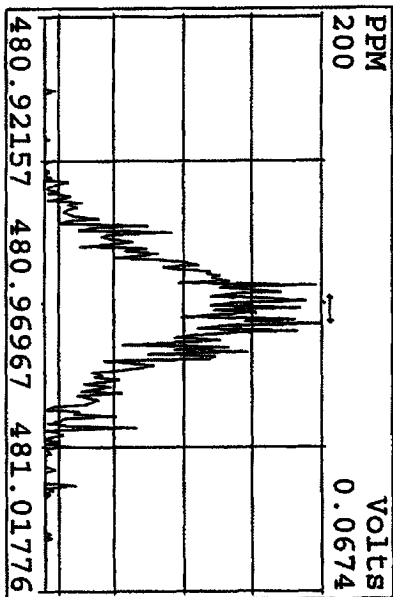
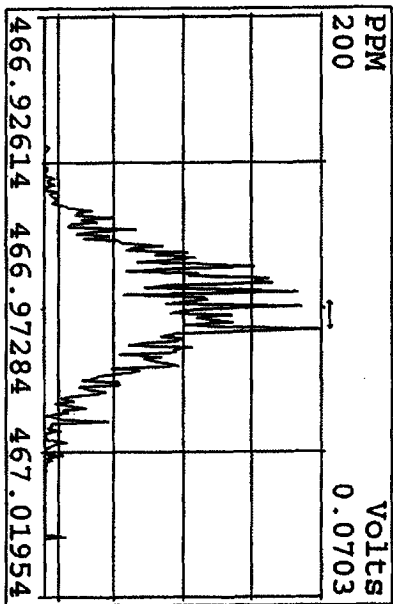
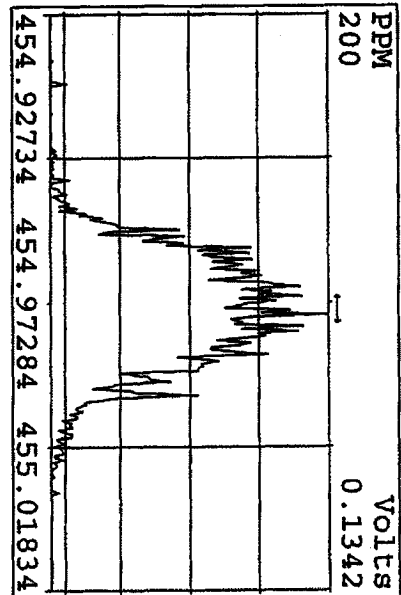
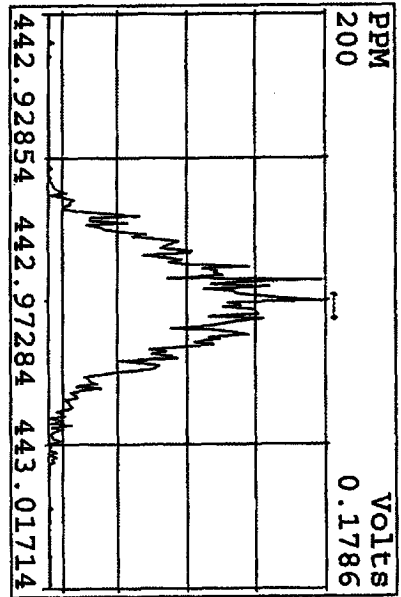
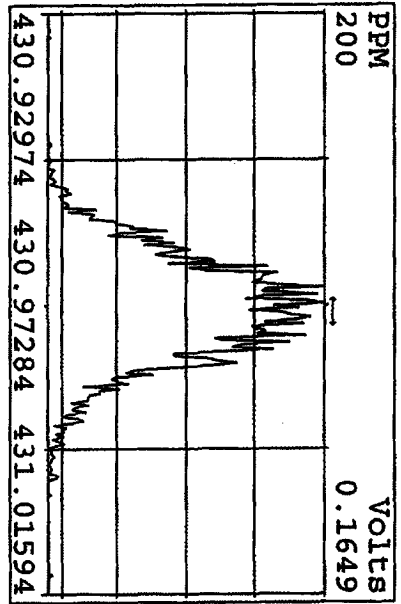
Peak Locate Examination: 14-APR-2010:00:01 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



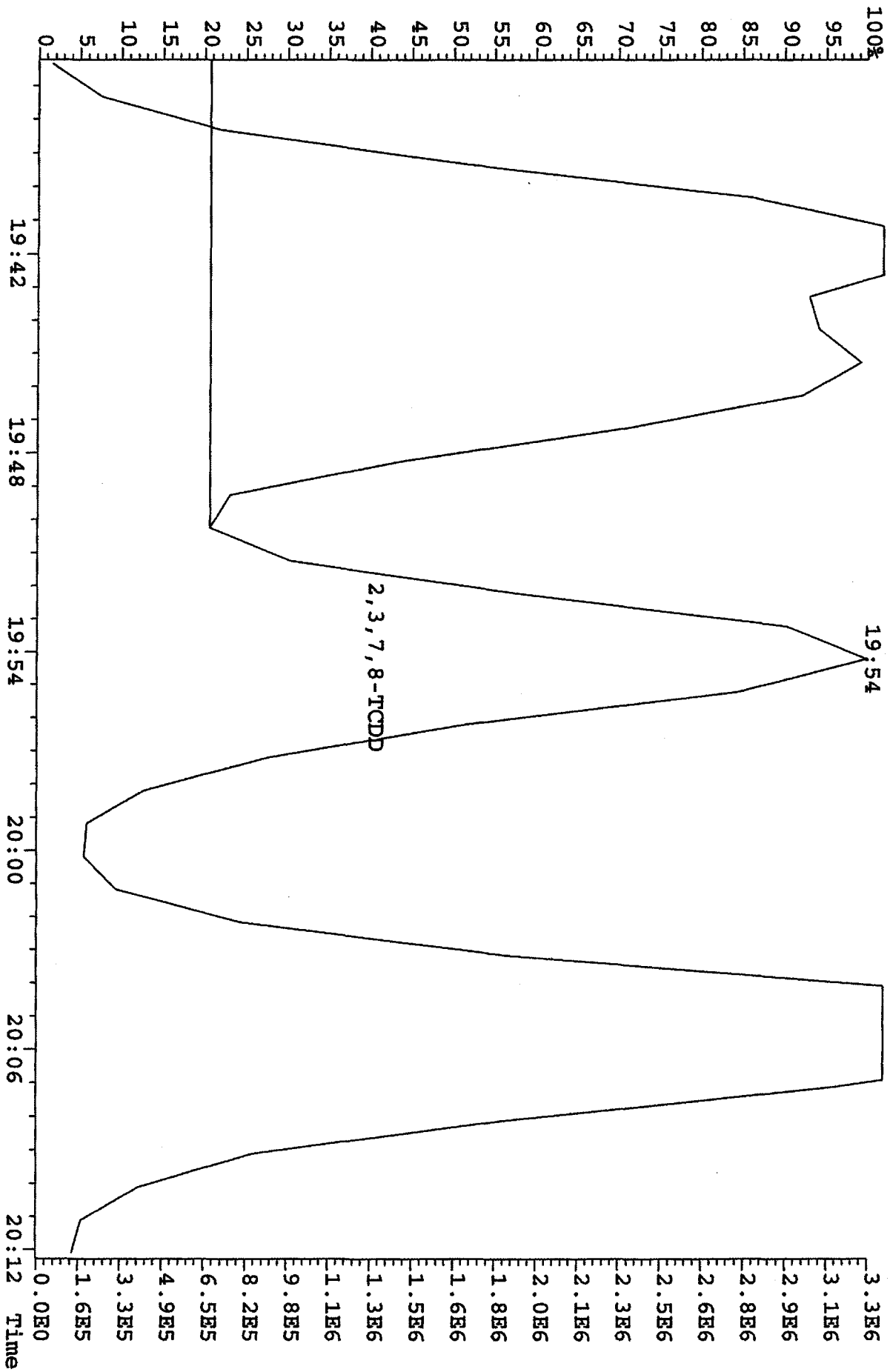
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Experiment: DIOXINRES8290A Function: 4 Reference: PFK



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-UltimaE
321.8936 BSUB(128,15,-3.0) Exp: DIOXINRES8290A Noise: 14

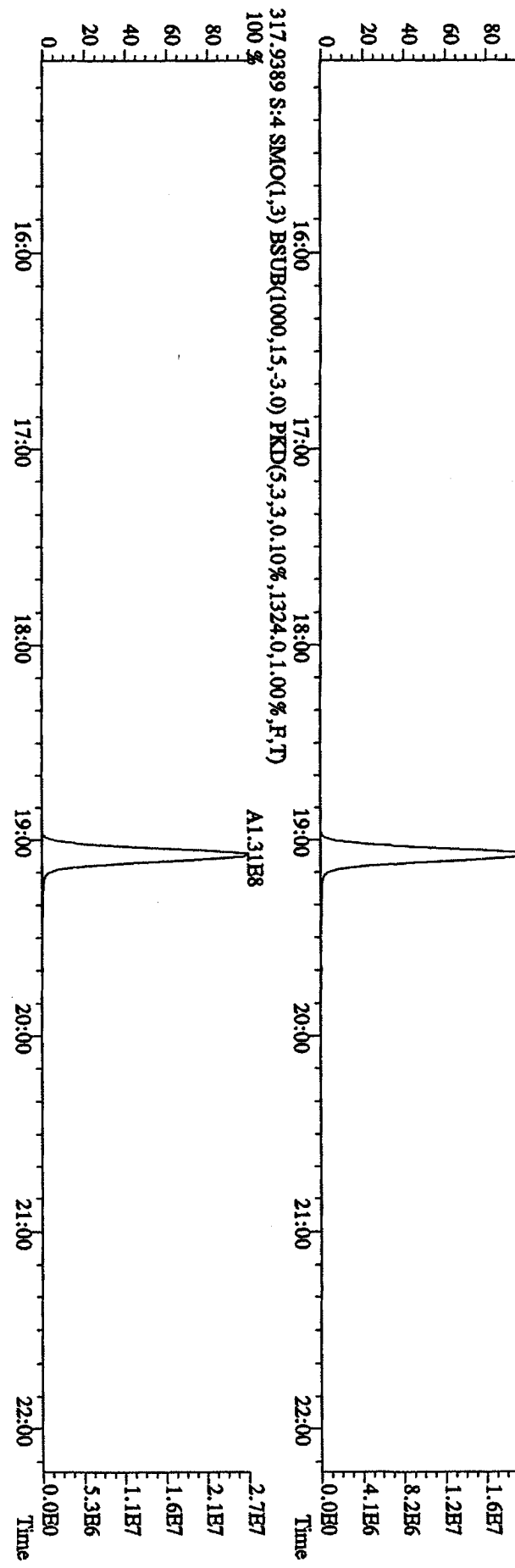
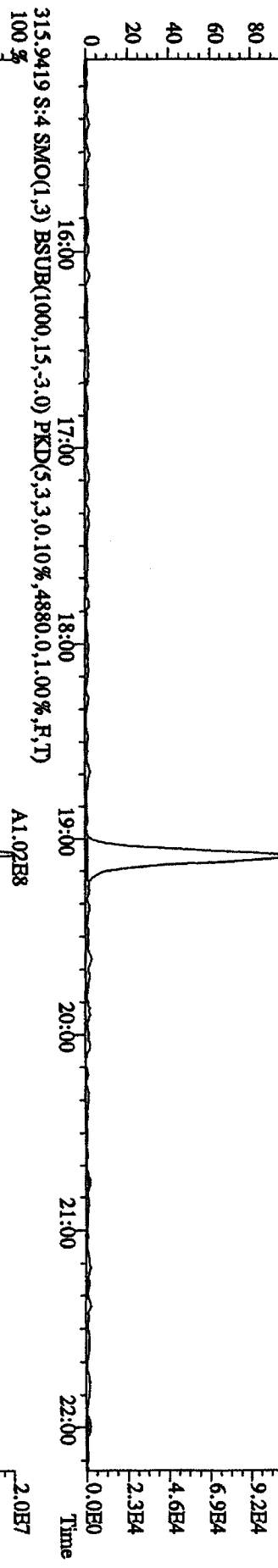
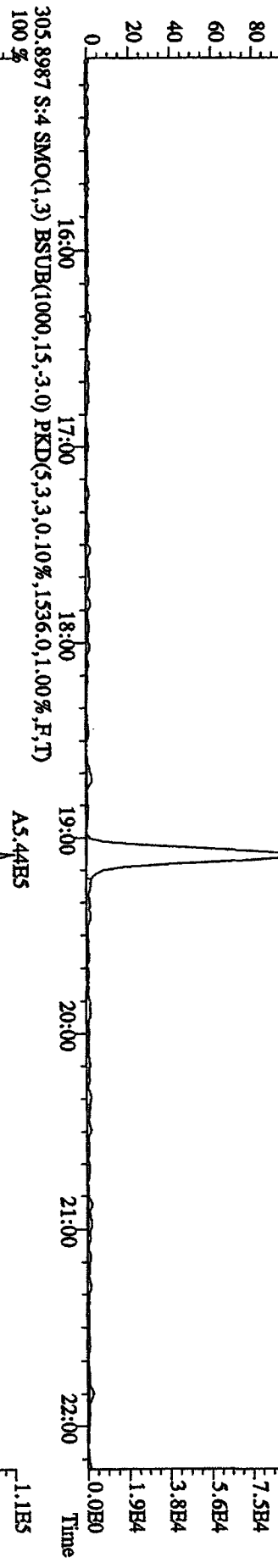


Run text: ST0412E Sample text: ST0412E :2nd Source 09DXN449
 Run #6 Filename: 12AP104D5 S: 7 I: 1 Results: 12AP104D58290A
 Acquired: 12-APR-10 13:00:53 Processed: 12-APR-10 13:48:00
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

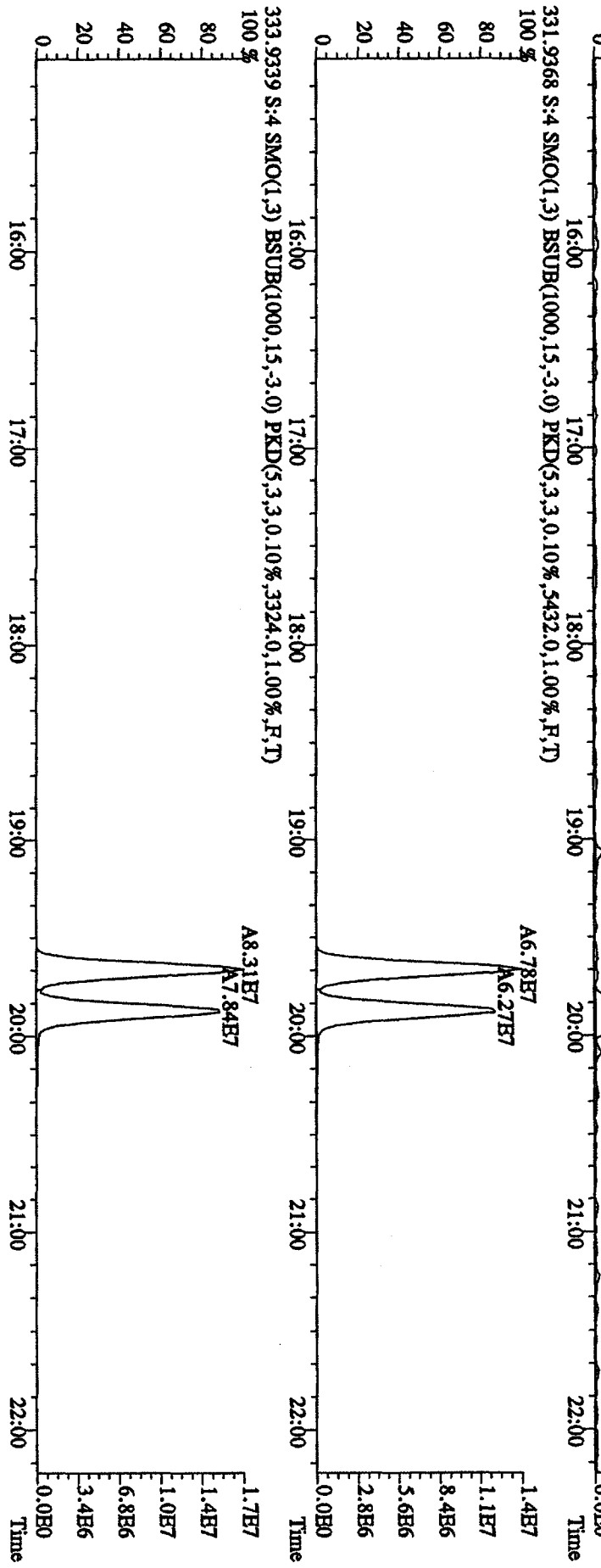
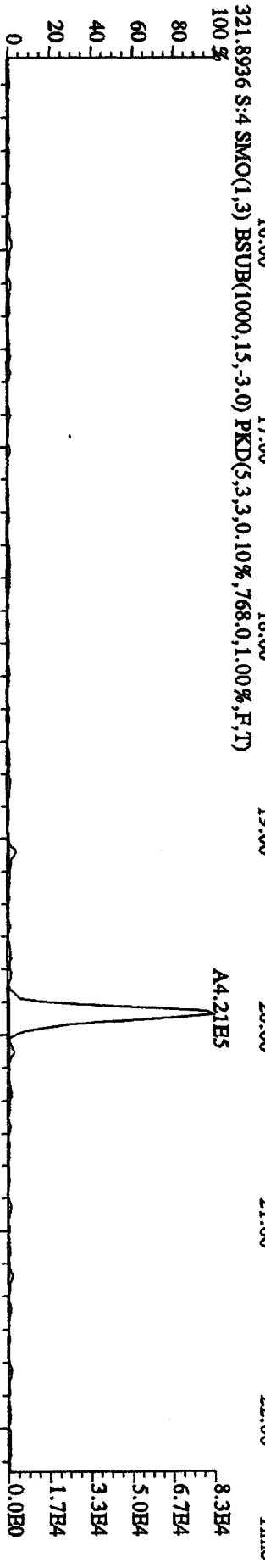
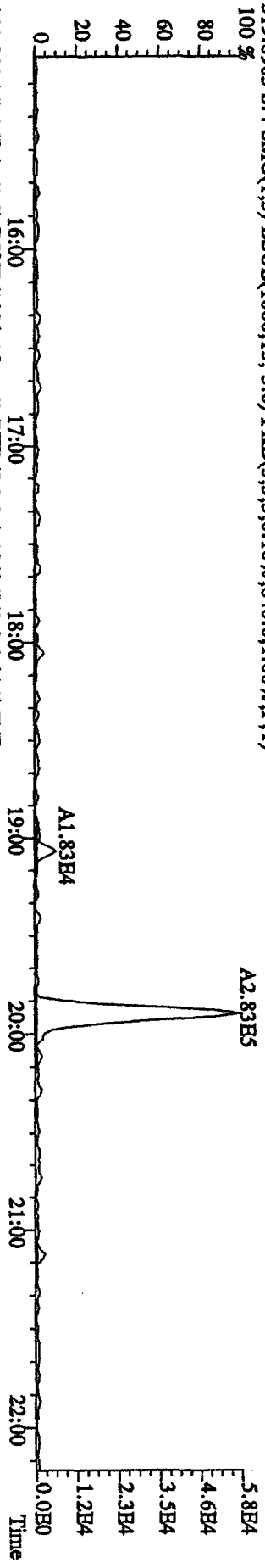
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	151409600	0.82 y	19:40	-	113.81	-	-	n
13C-2,3,7,8-TCDF	230171000	0.79 y	19:04	1.52	1999.28	0.93	100.0	n
2,3,7,8-TCDF	21242270	0.79 y	19:05	0.95	195.26	0.34	-	n
Total TCDF	21588235	1.02 n	18:04	0.95	198.44	0.34	-	n
13C-2,3,7,8-TCDD	152072000	0.79 y	19:52	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

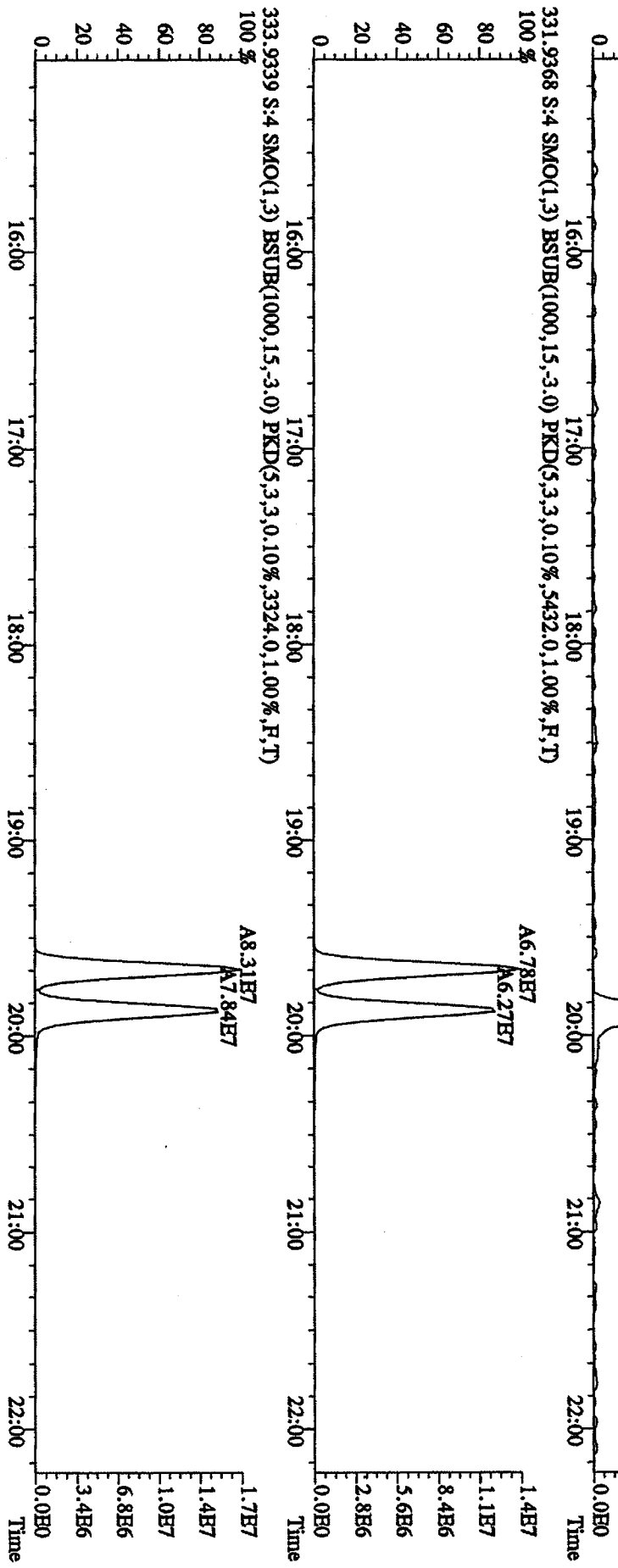
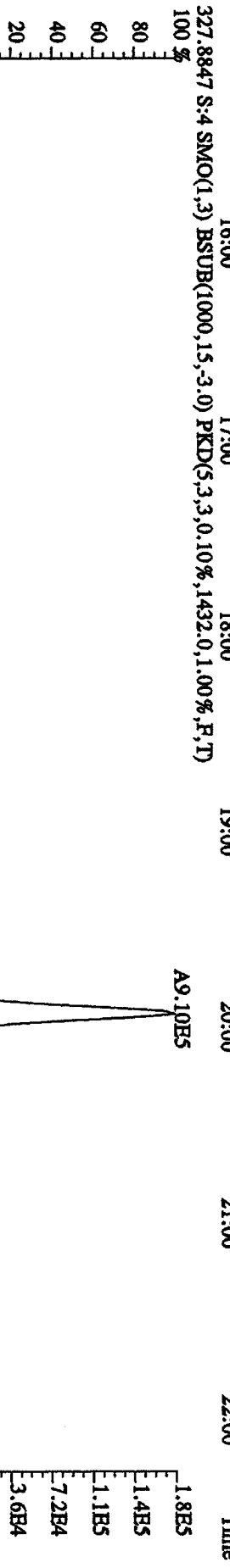
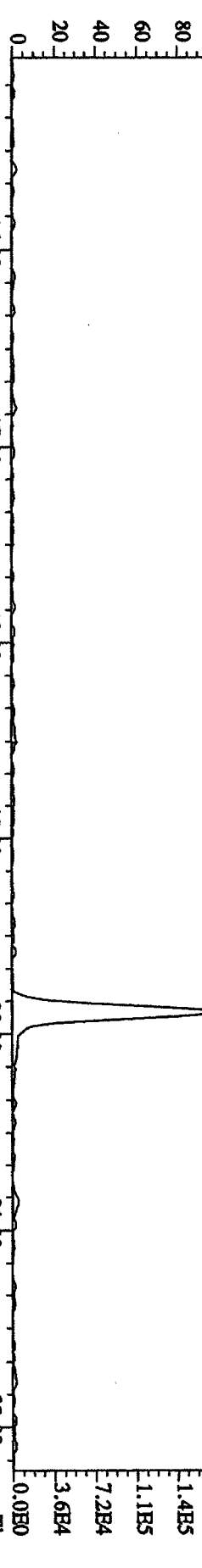
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DDXN422 Exp:DIOXINRES8290A
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1084,0,1,00%,F,T) 100 %
 315.9419 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4880,0,1,00%,F,T) 100 %



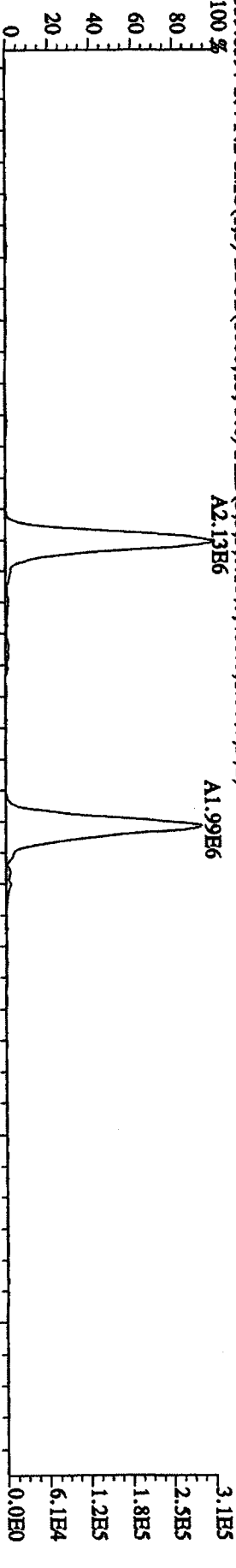
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.0%,840.0,1.00%,F,T)



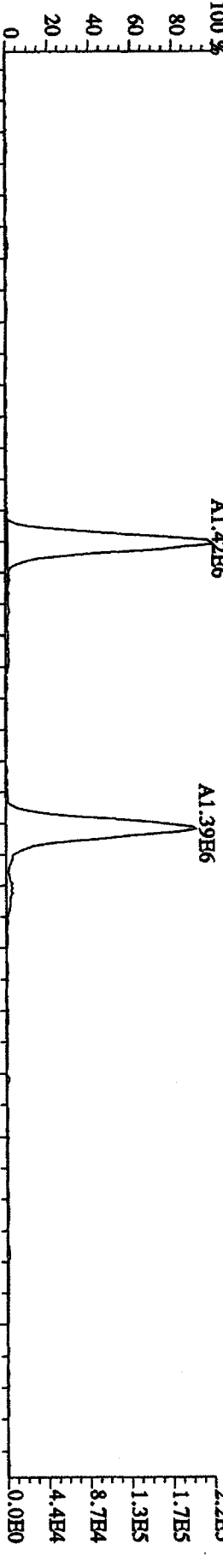
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltraB
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1432.0,1.00%,F,T)
 100%



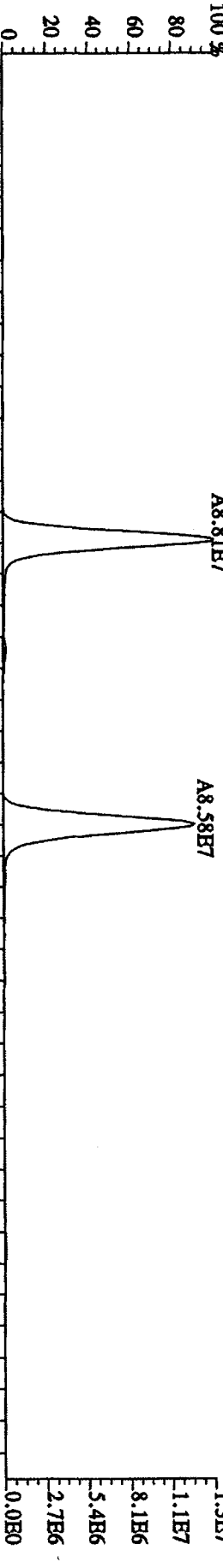
File:12ADP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,400,0,1,00%,F,T)
 100 % A2.13B6



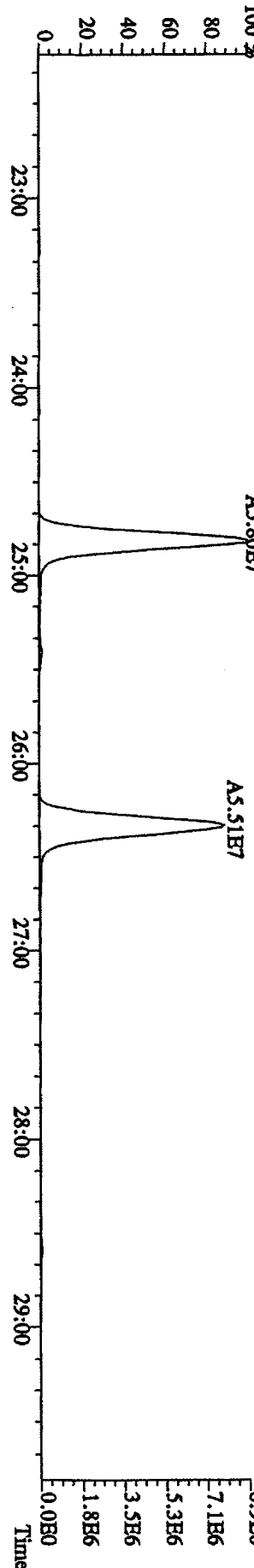
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,1016,0,1,00%,F,T)
 100 % A1.42B6



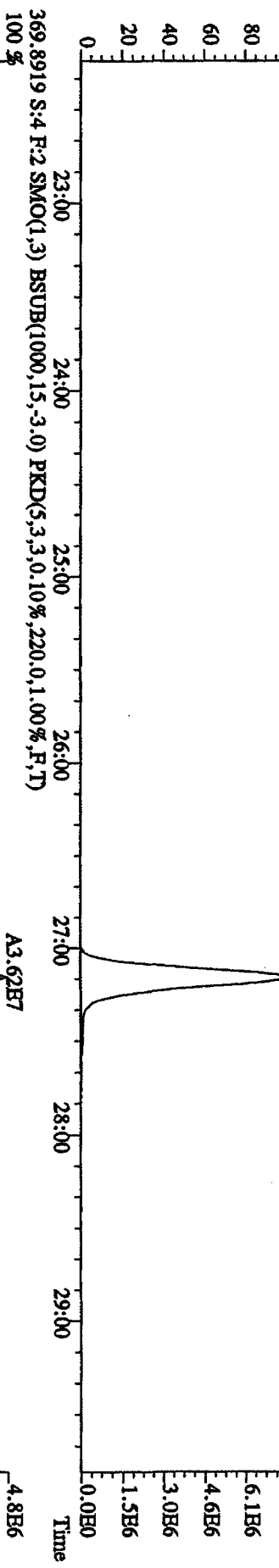
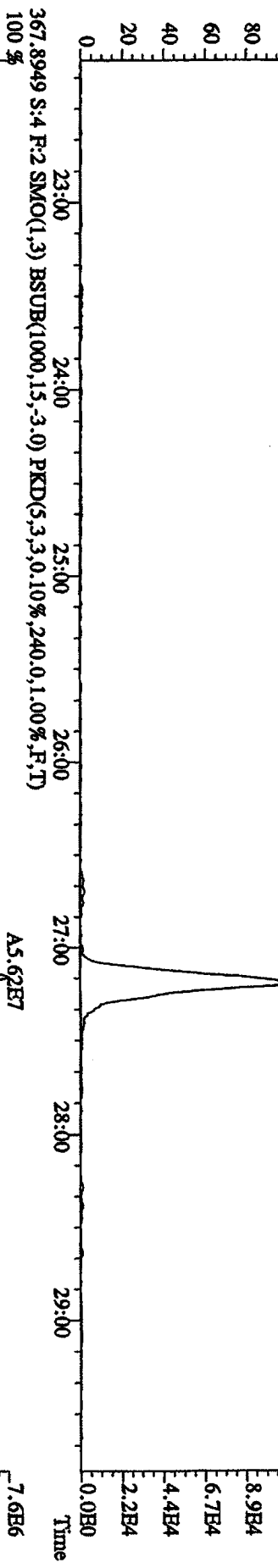
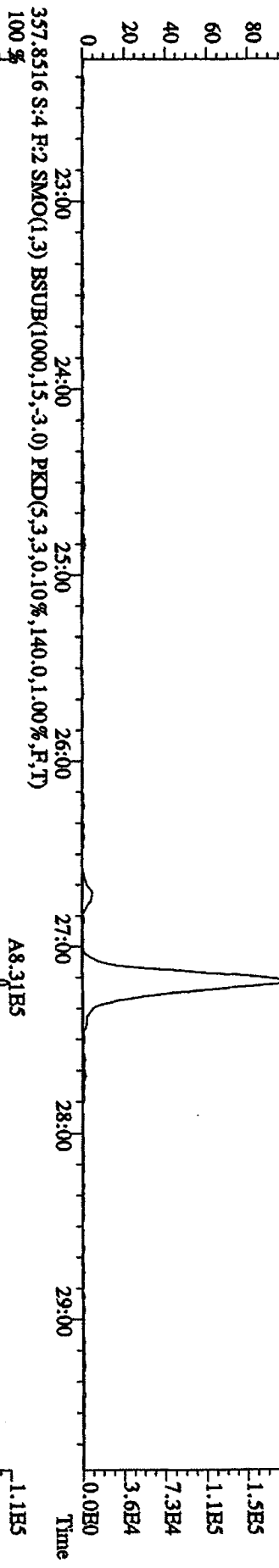
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,2588,0,1,00%,F,T)
 100 % A8.81B7



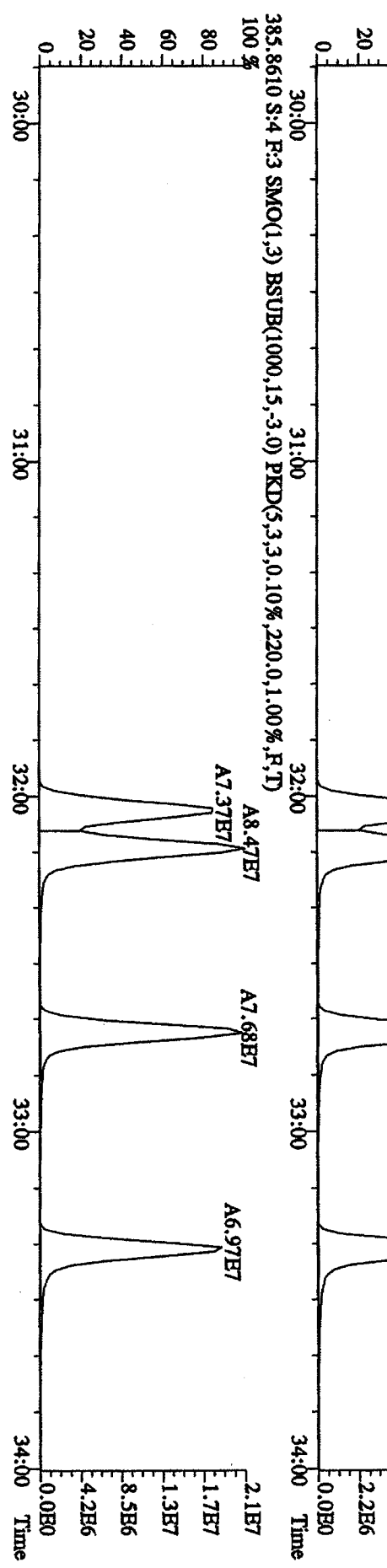
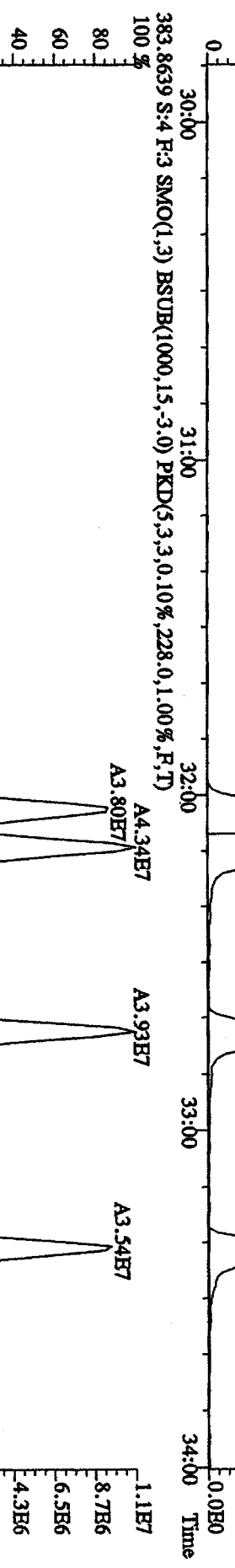
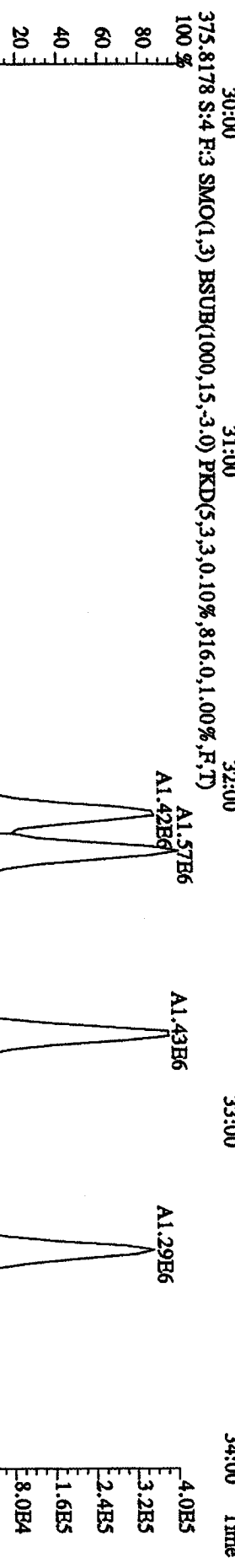
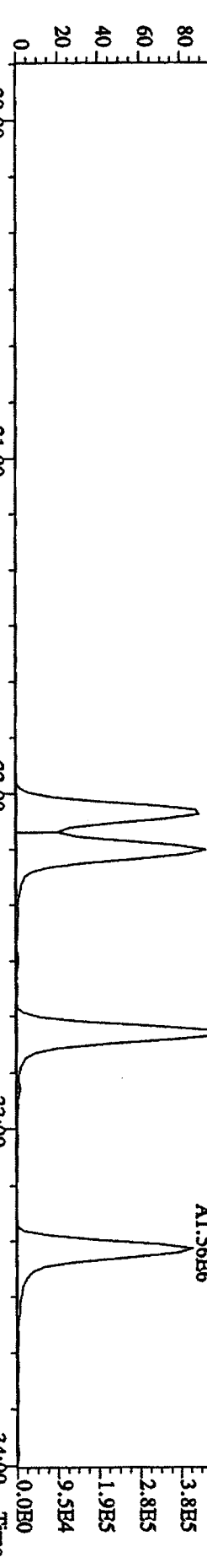
353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,3416,0,1,00%,F,T)
 100 % A5.80B7



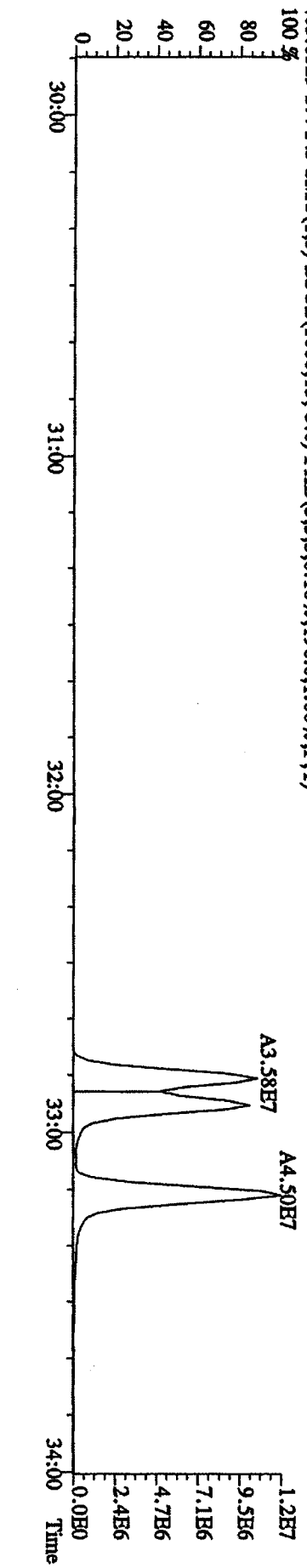
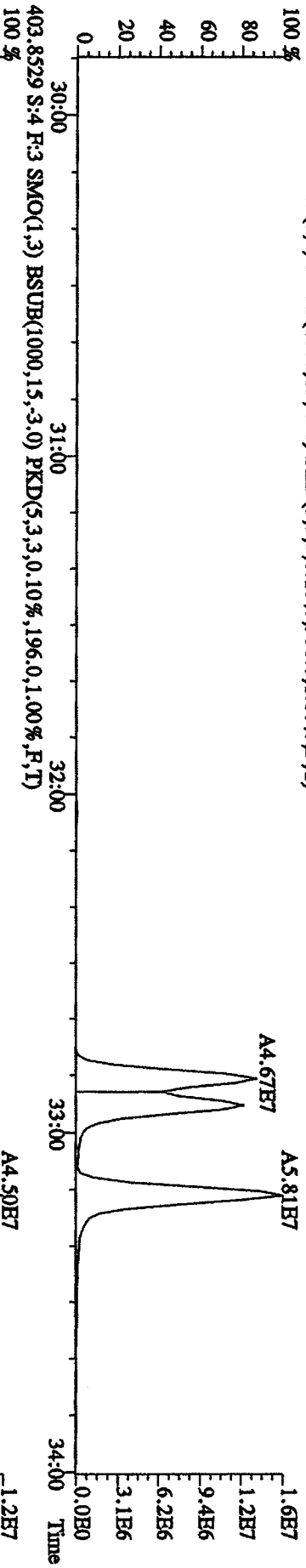
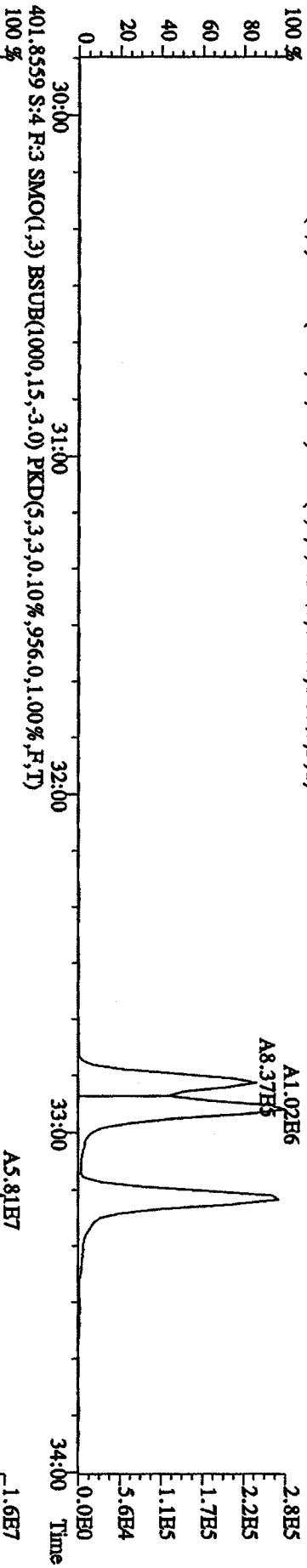
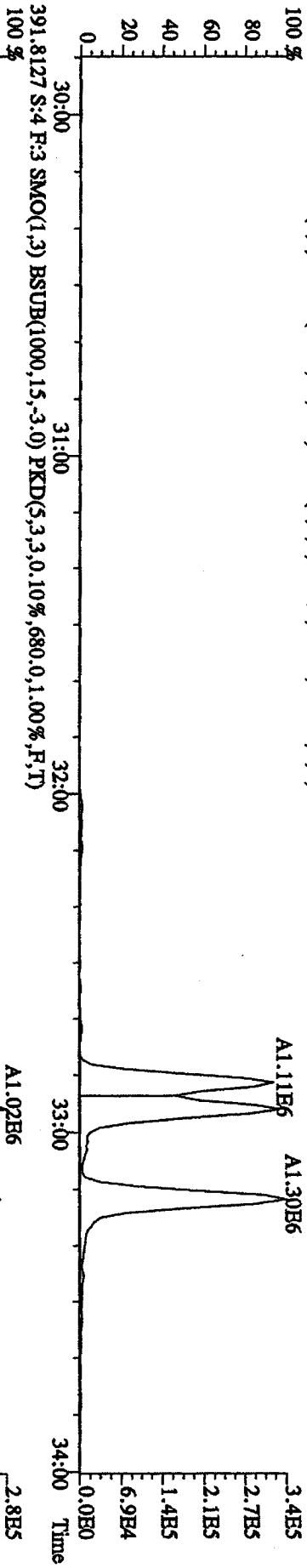
File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T) 100%



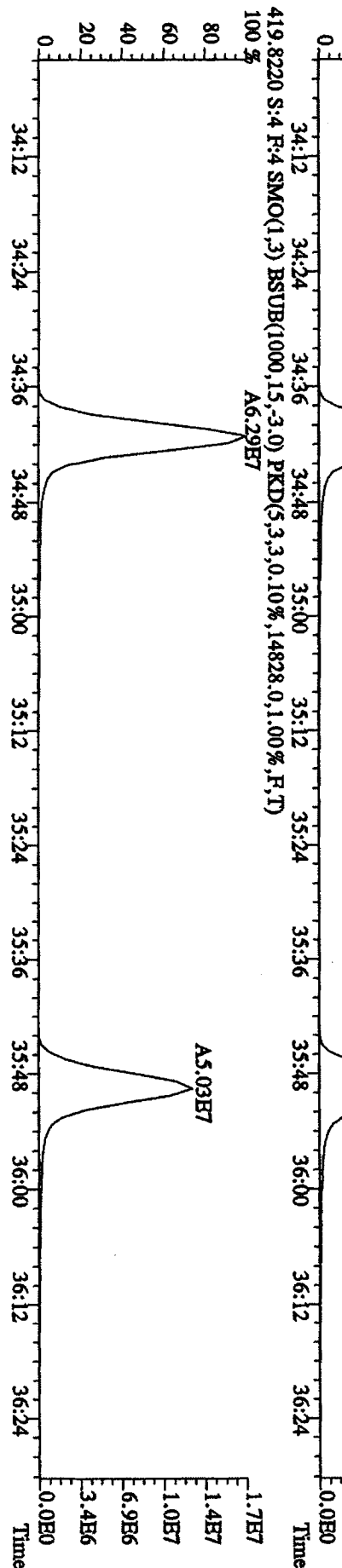
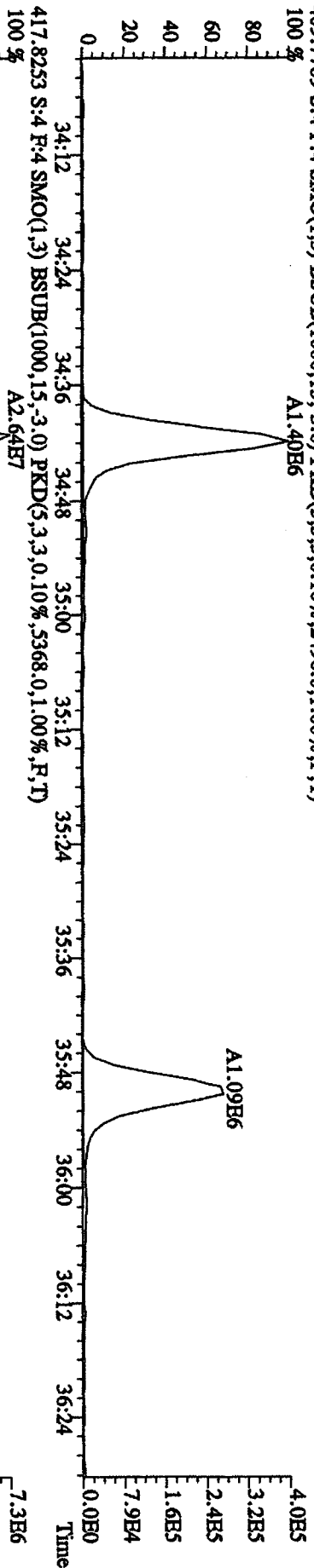
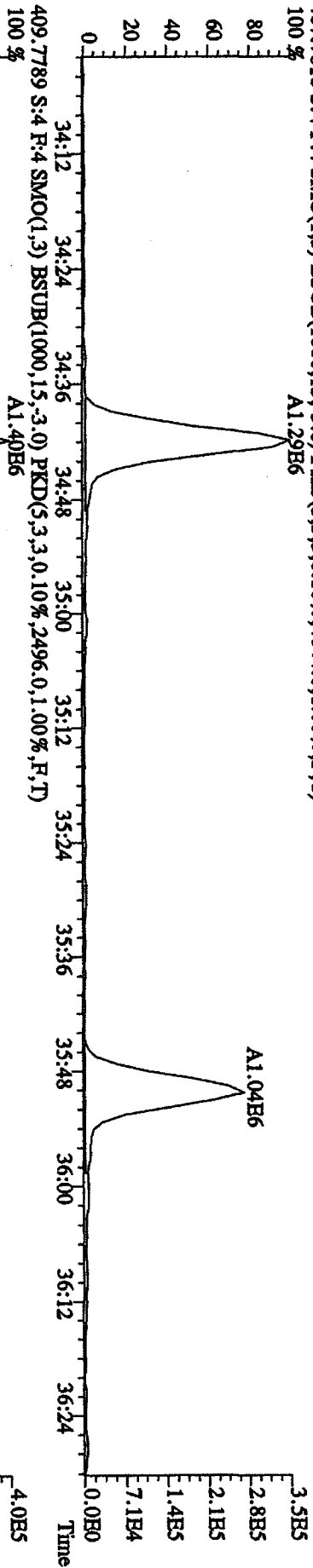
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC:EI+ Voltage:50V Autospec-Ultimate
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRHS8290A
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1420.0,1.00%,F,T)



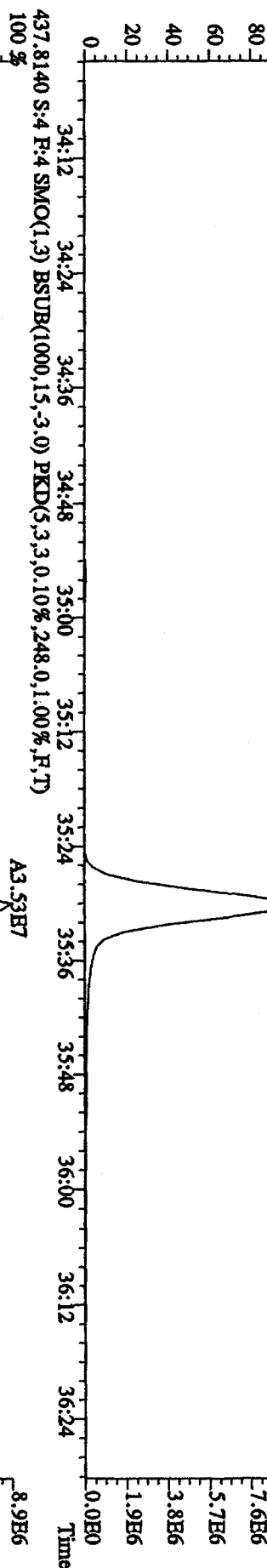
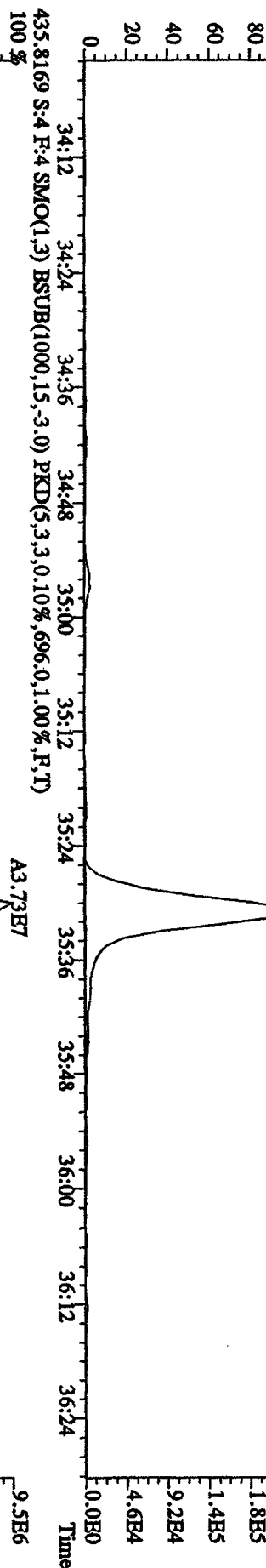
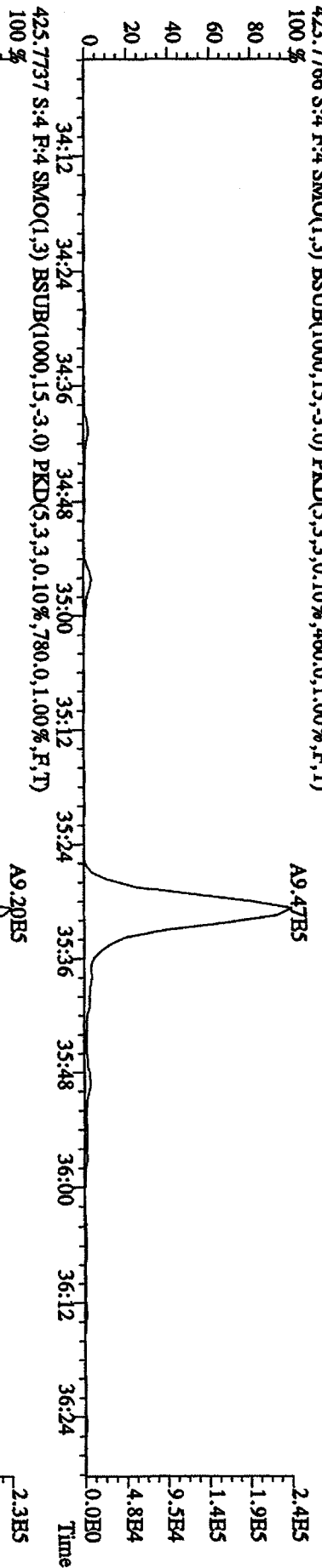
File: 12AP104D5 #1-317 Acq: 12-APR-2010 10:48:47 GC: EI+ Voltage: SIR Autospec: UltimaB
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T) 100%



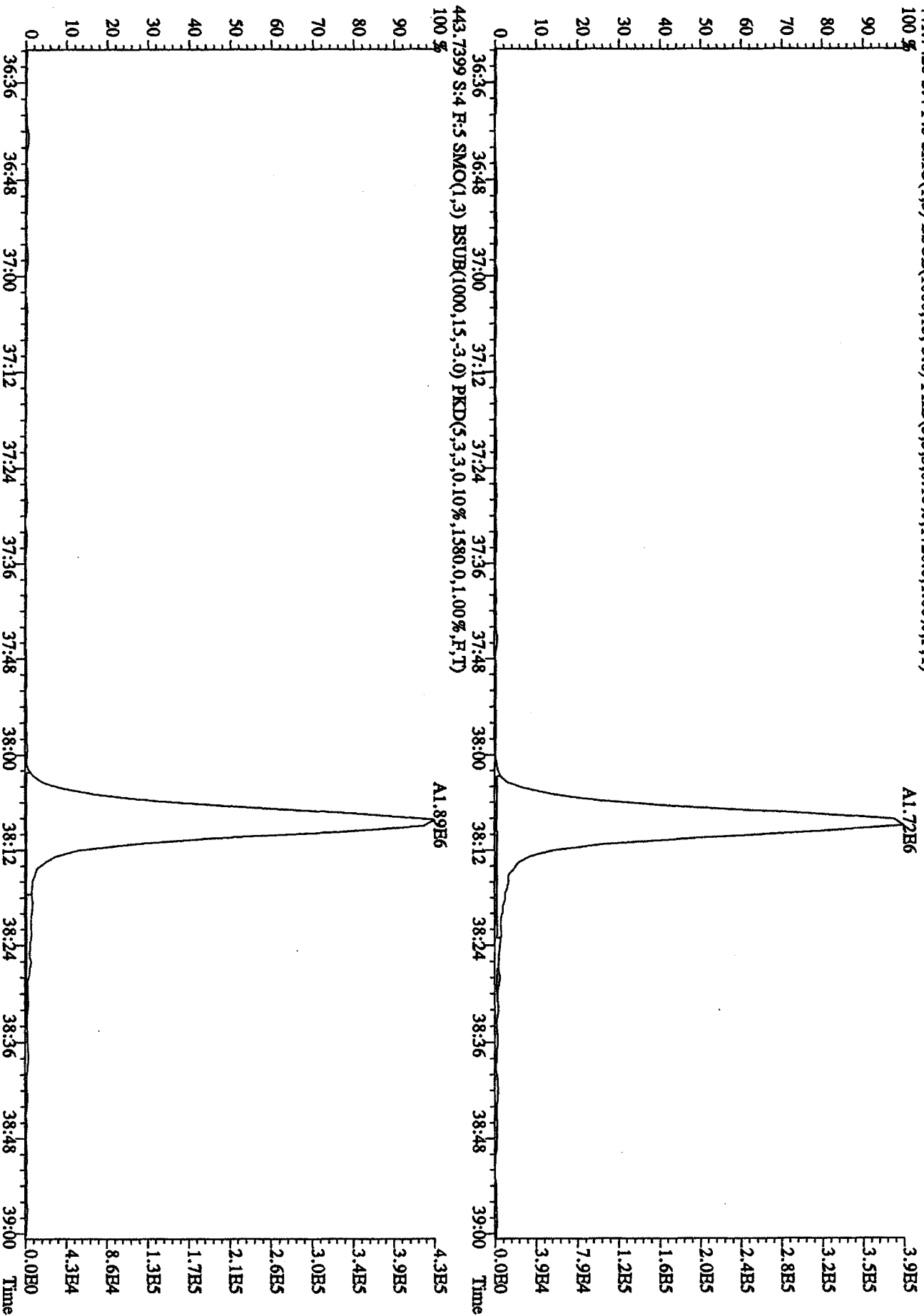
File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4044.0,1.00%,F,T)
 100%



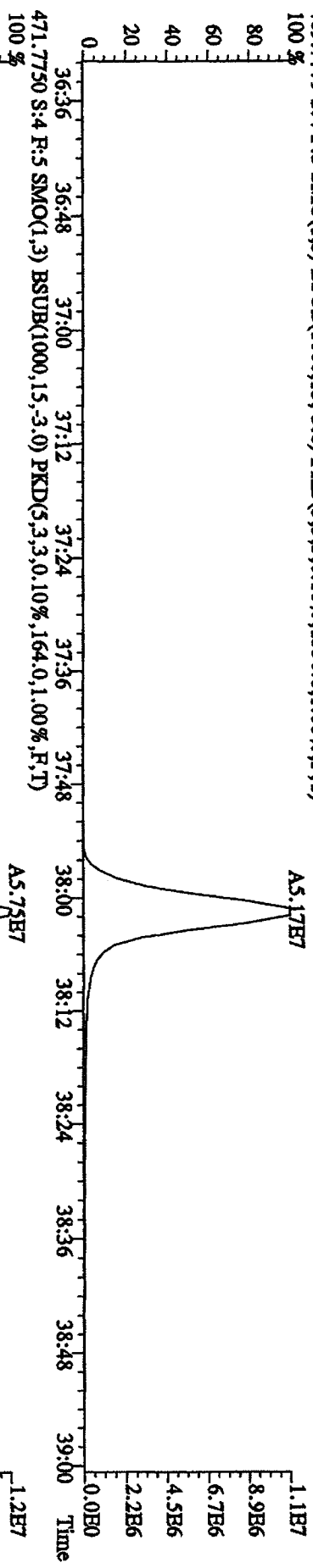
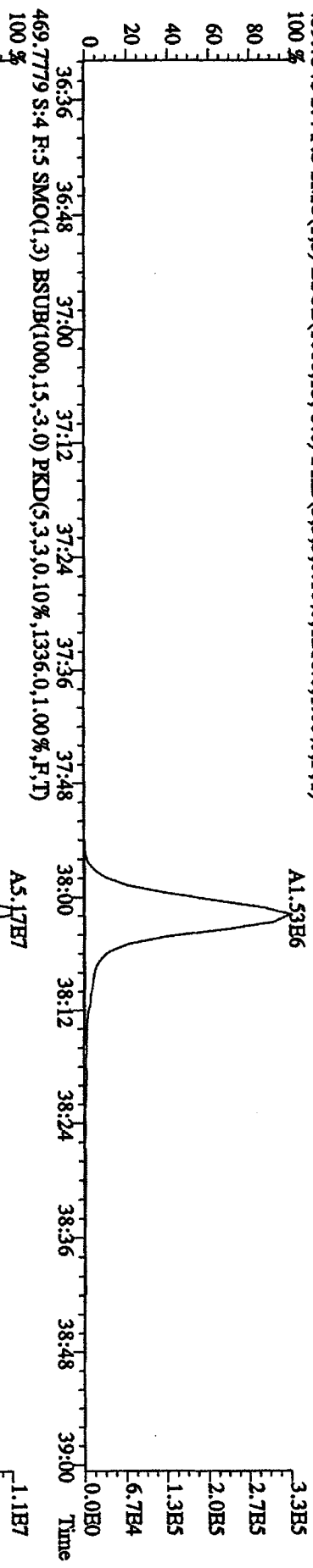
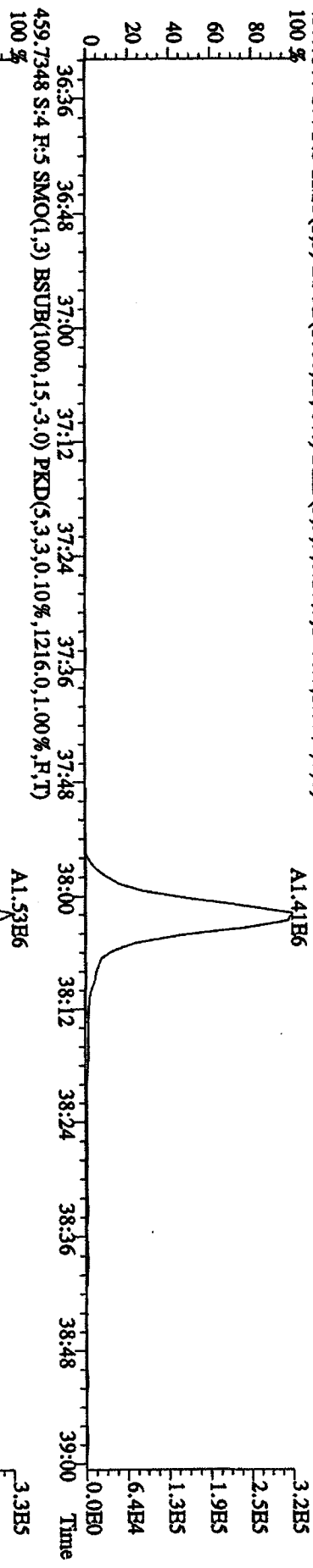
File: 12AP104D5 #1-198 Acq: 12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0412B :CS-1 (09DXN422 Exp: DIOXINRES8290A
 423.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,460.0,1.00%,F,T)
 100%



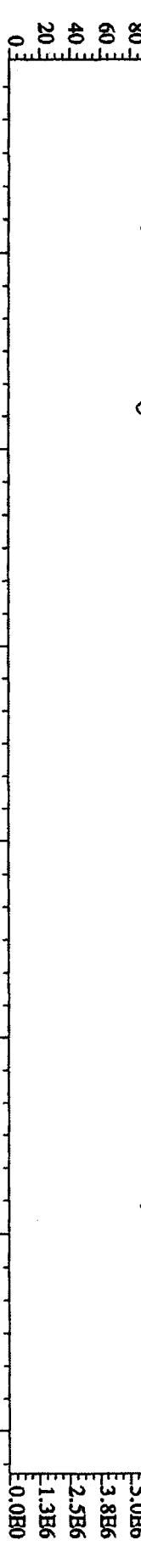
File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1720.0,1.00%,F,T)
 100 %



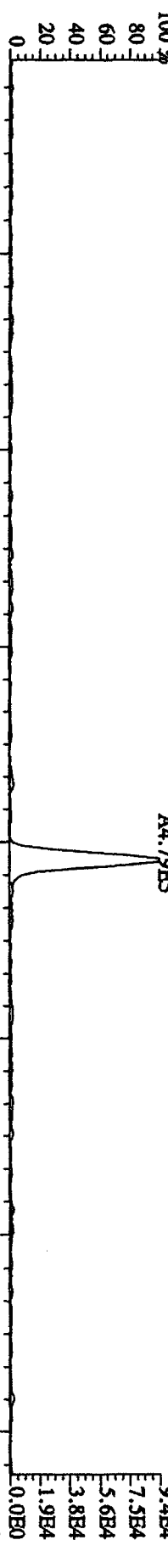
File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRBS8290A
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1816,0,1.00%,F,T) 100 %



File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:ST0412B :CS-1 09DDXN422 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



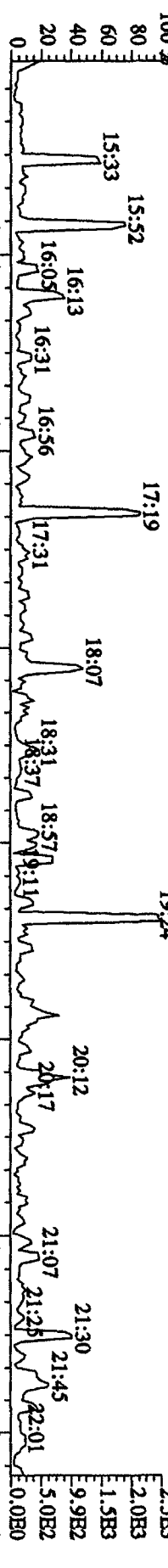
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1084,0,1.00%,F,T)
 100% 16:00 17:00 18:00 19:00 20:00 21:00 22:00



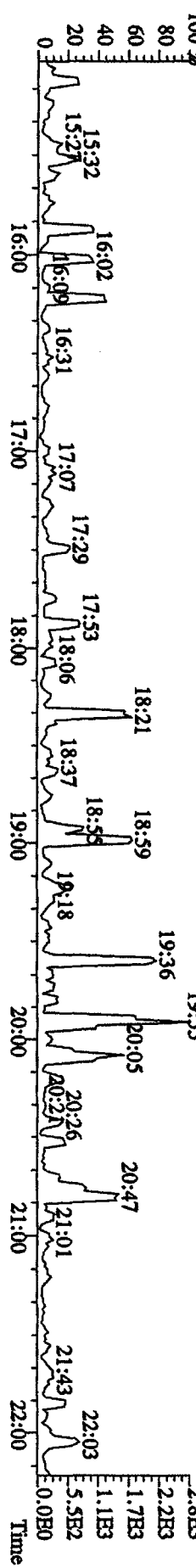
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1536,0,1.00%,F,T)
 100% 16:00 17:00 18:00 19:00 20:00 21:00 22:00



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,196,0,1.00%,F,T)
 100% 16:00 17:00 18:00 19:00 20:00 21:00 22:00



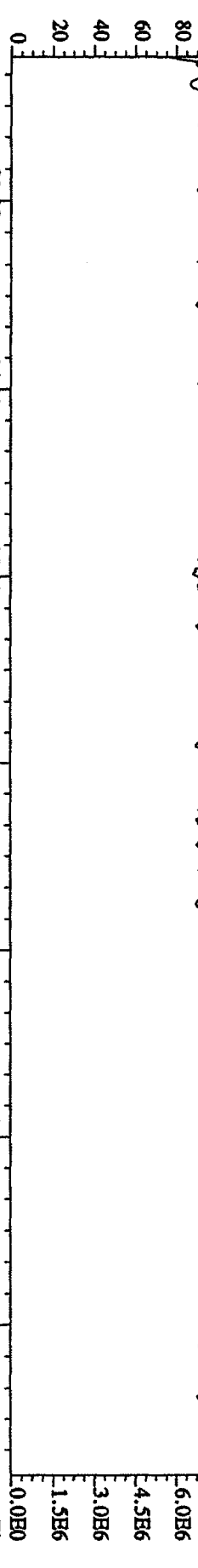
409.7974 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,176,0,1.00%,F,T)
 100% 16:00 17:00 18:00 19:00 20:00 21:00 22:00



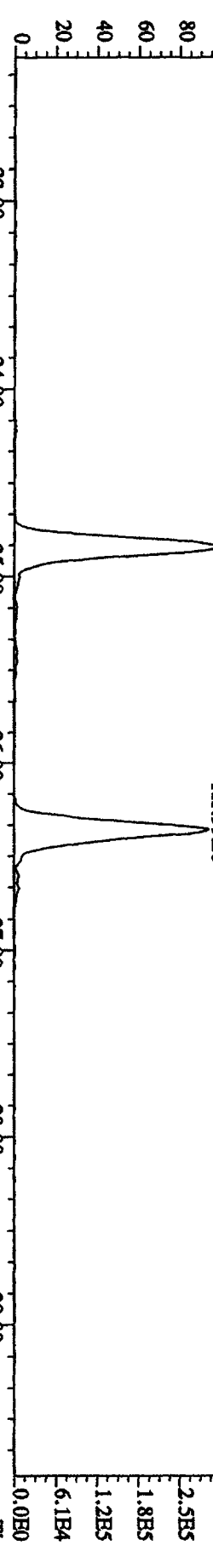
File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaB

Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

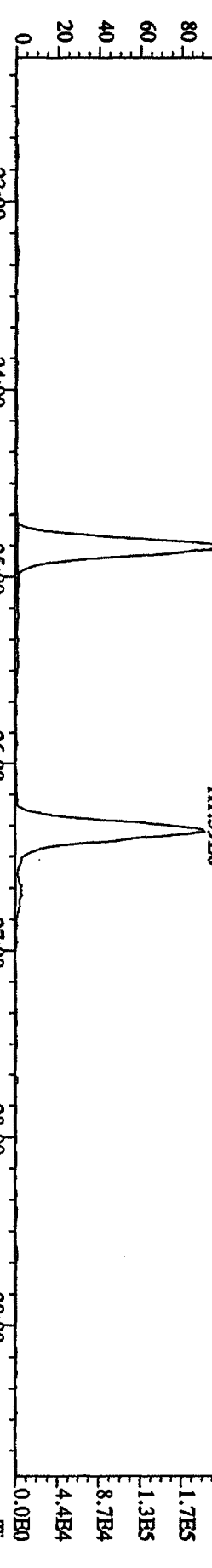
354.9792 S:4 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T) 25:23 25:47 26:10 26:39 27:09 27:55 28:25 28:49 29:26



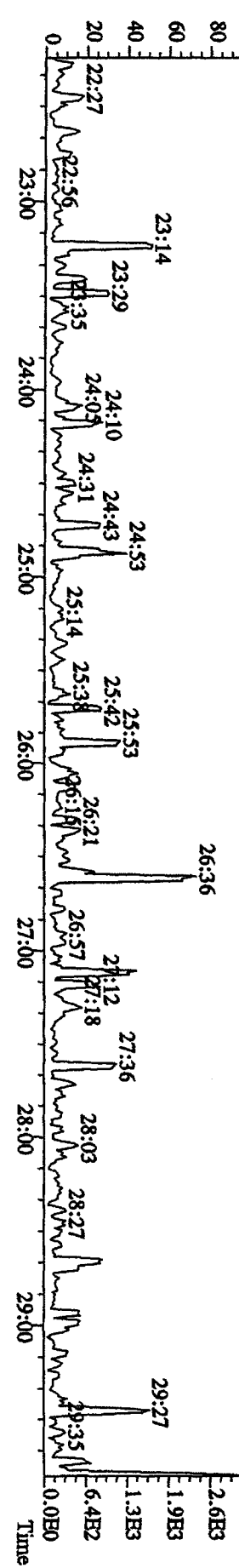
339.8597 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,400.0,1.00%,F,T) 25:00 25:00 26:00 26:00 27:00 27:00 28:00 28:00 29:00 29:00



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) 25:00 25:00 26:00 26:00 27:00 27:00 28:00 28:00 29:00 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 24:00 25:00 25:00 26:00 26:00 27:00 27:00 28:00 28:00 29:00 29:00



File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaB

Sample#4 Text:ST0412B :CS-1 09DXN472 Exp:DIOXINRES8290A

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

100% 29:59 30:13 30:26 30:41

31:08

31:46

32:12

32:30

32:49

33:10

33:23

33:37

33:52

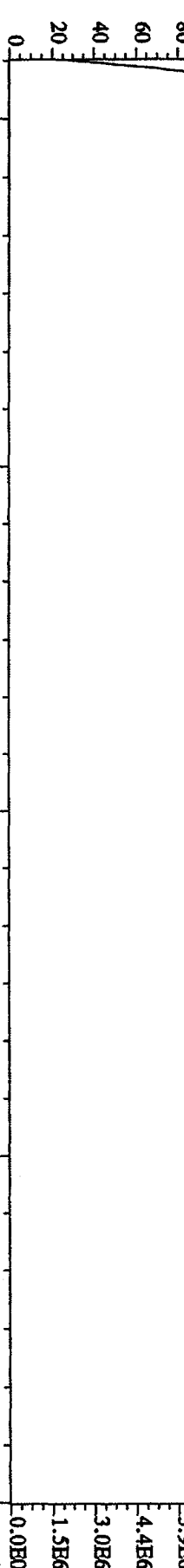
7.4B6

5.9B6

4.4B6

3.0B6

1.5B6



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)



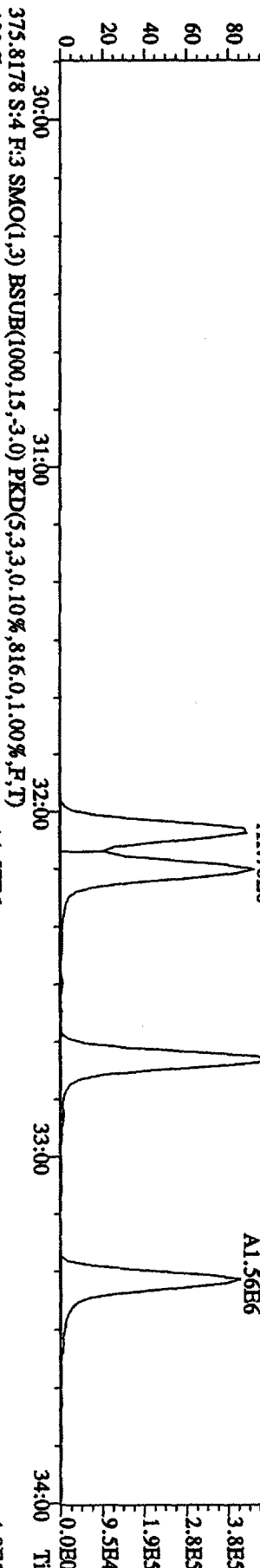
4.7B5

3.8B5

2.8B5

1.9B5

9.5B4



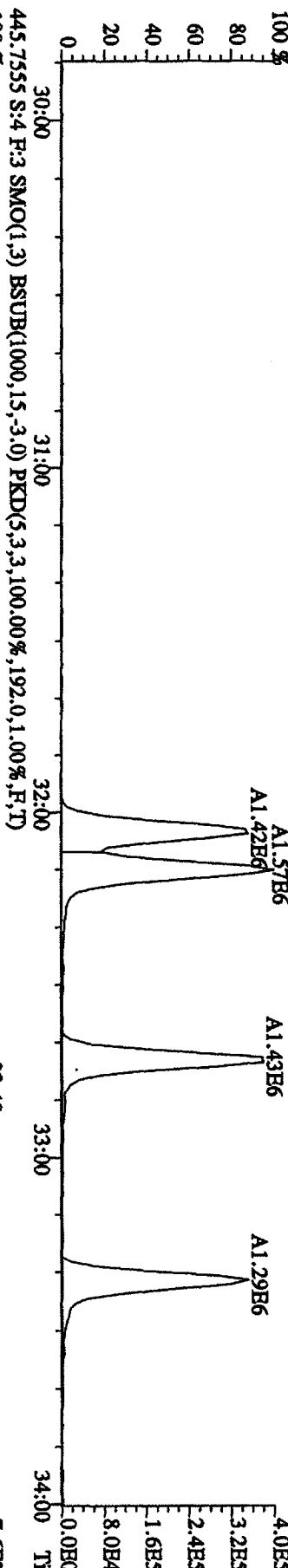
4.0B5

3.2B5

2.4B5

1.6B5

8.0B4



7.6B3

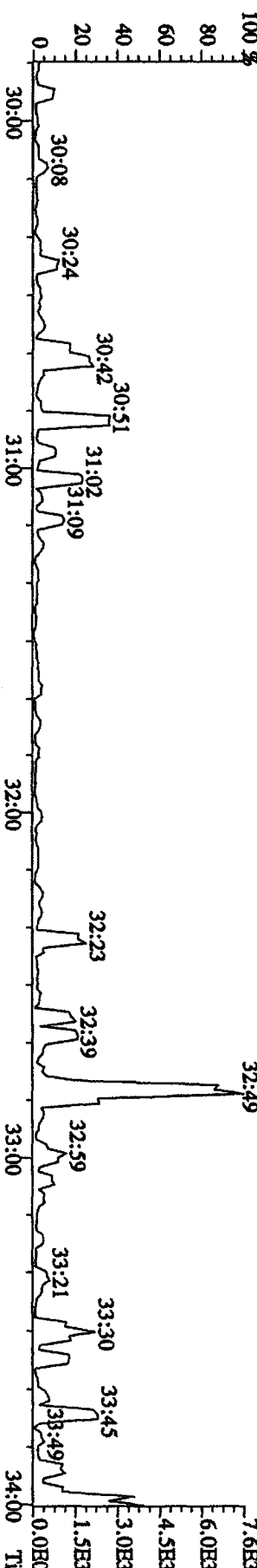
6.0B3

4.5B3

3.0B3

1.5B3

0.0B0



0.0B0

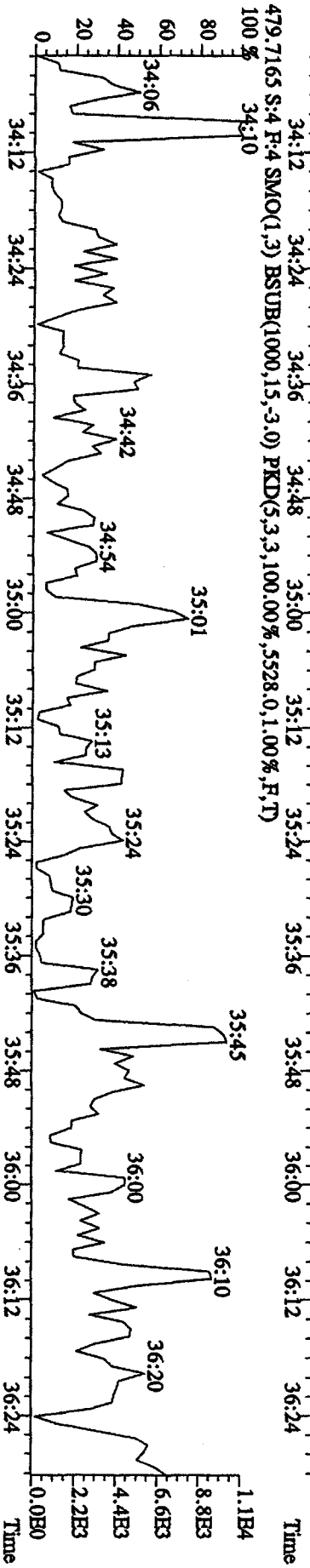
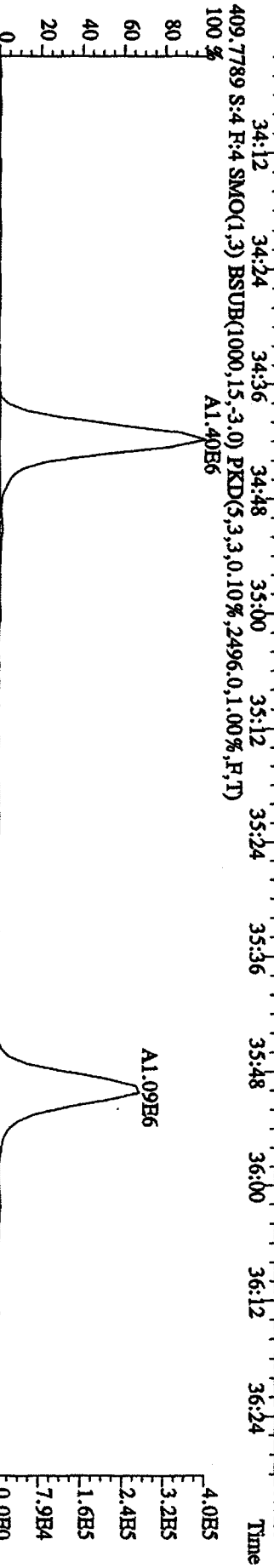
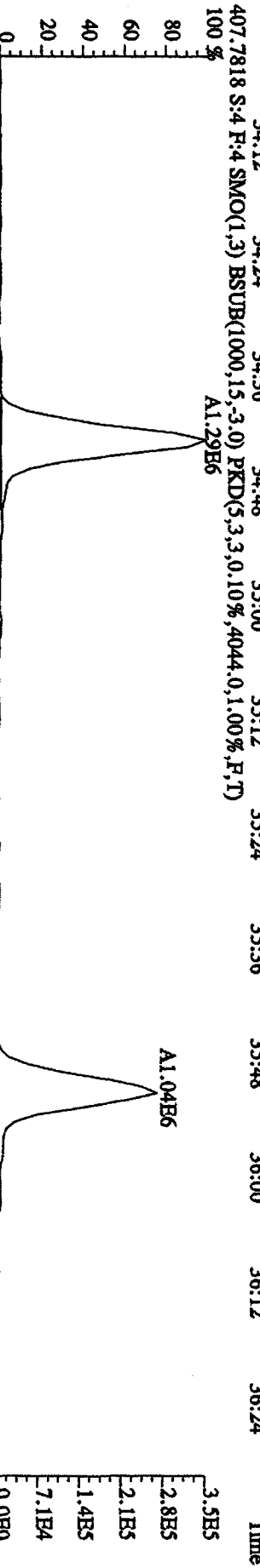
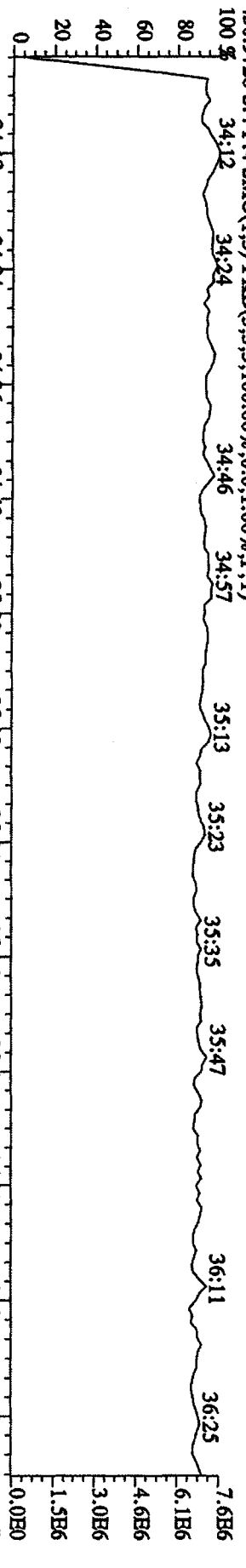
3.0B3

4.5B3

6.0B3

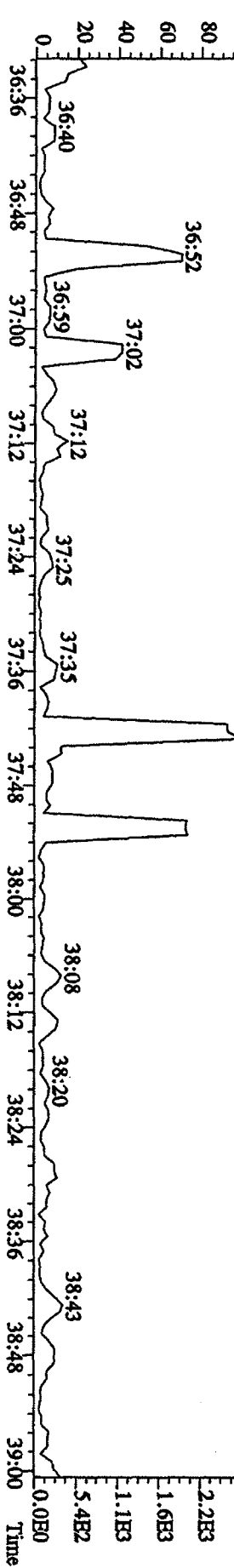
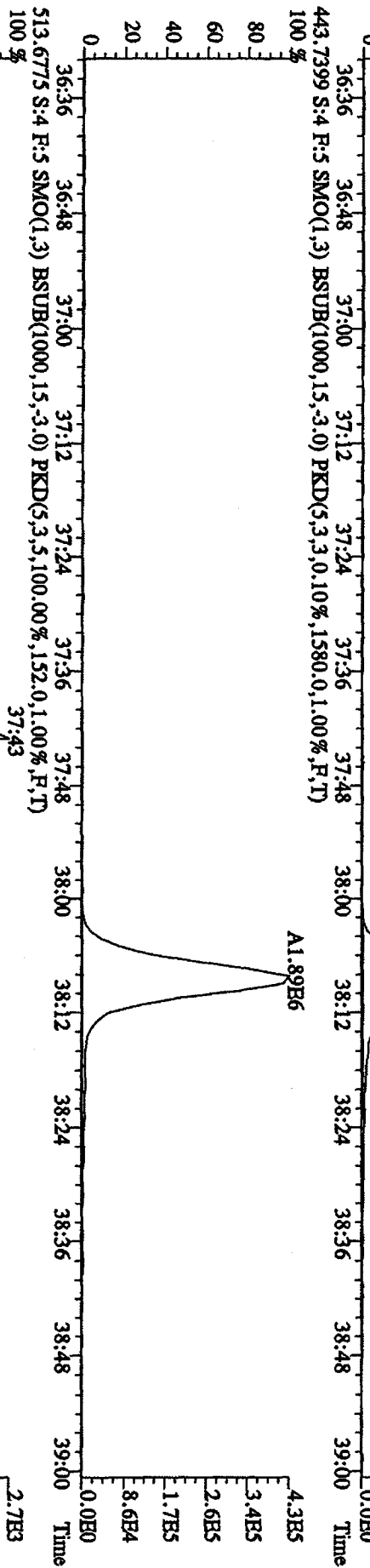
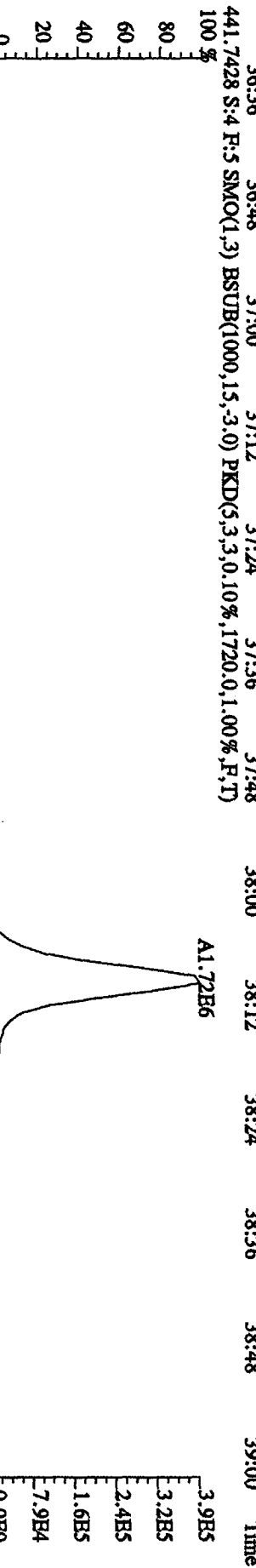
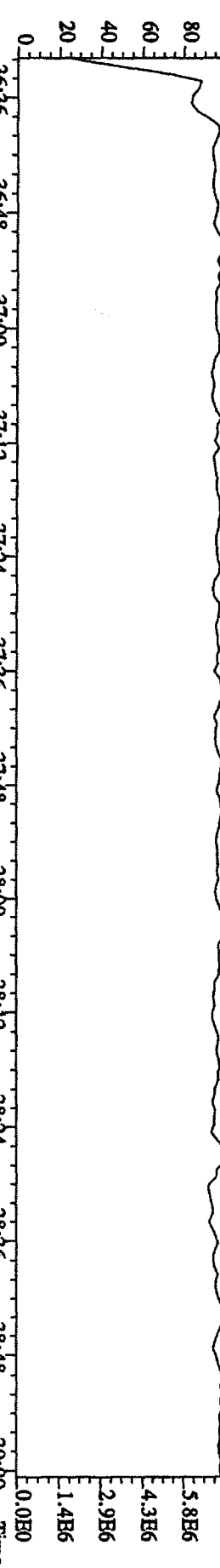
7.6B3

File: 12AP104D5 #1-198 Acq: 12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0412B : CS-1 09DXN422 Exp: DIOXINRES8290A

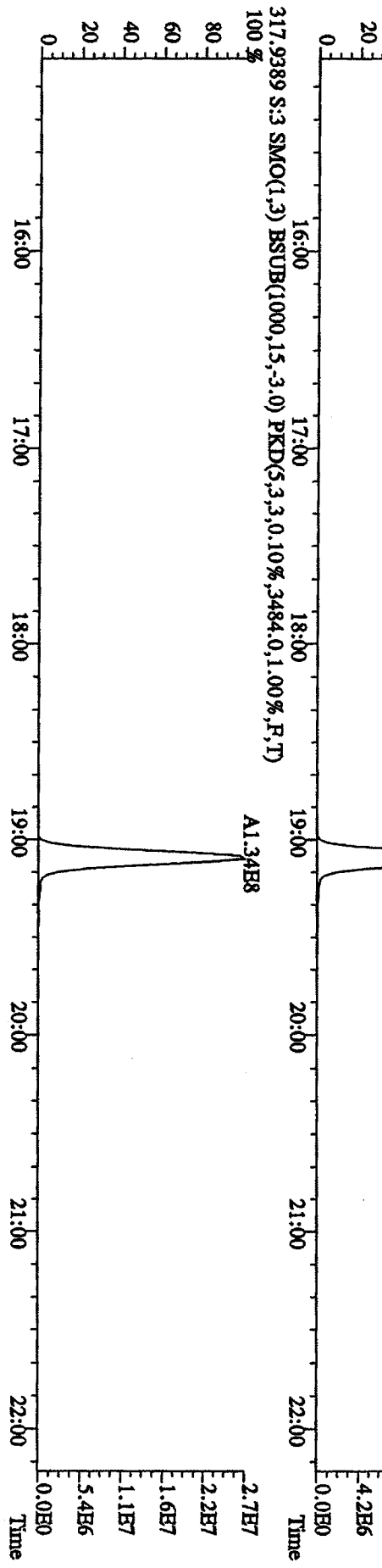
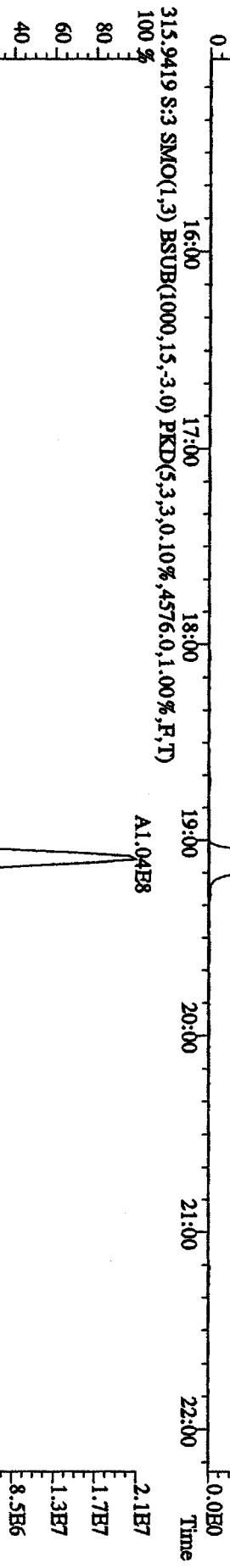
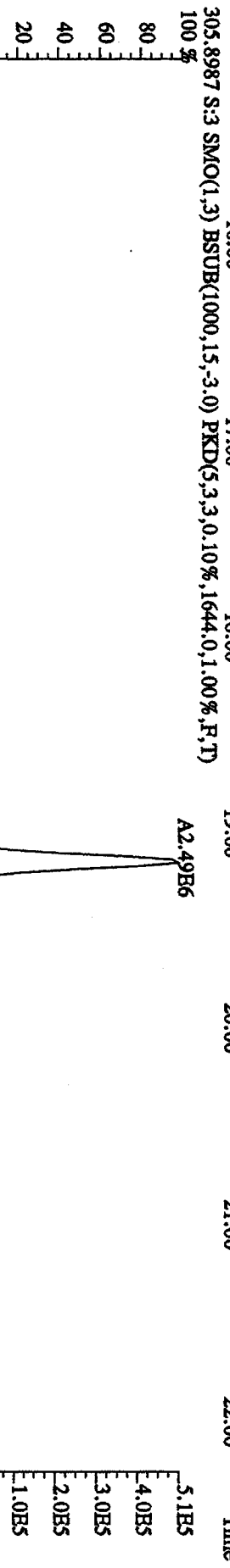
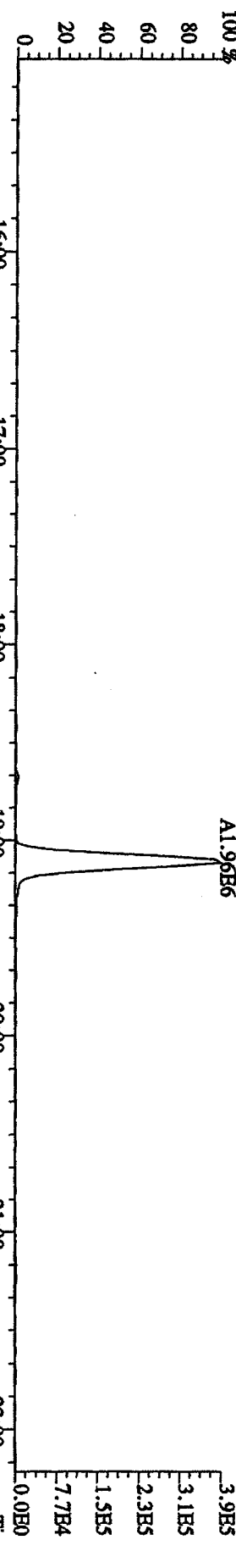


File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaE

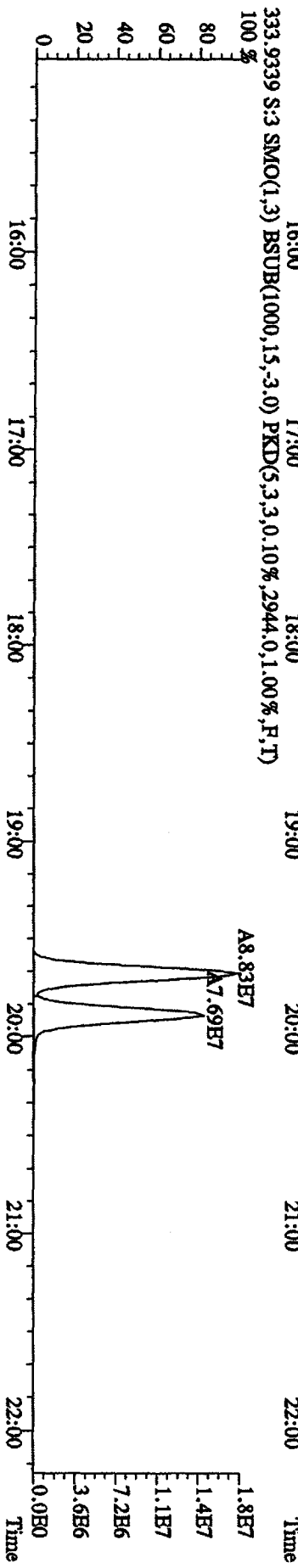
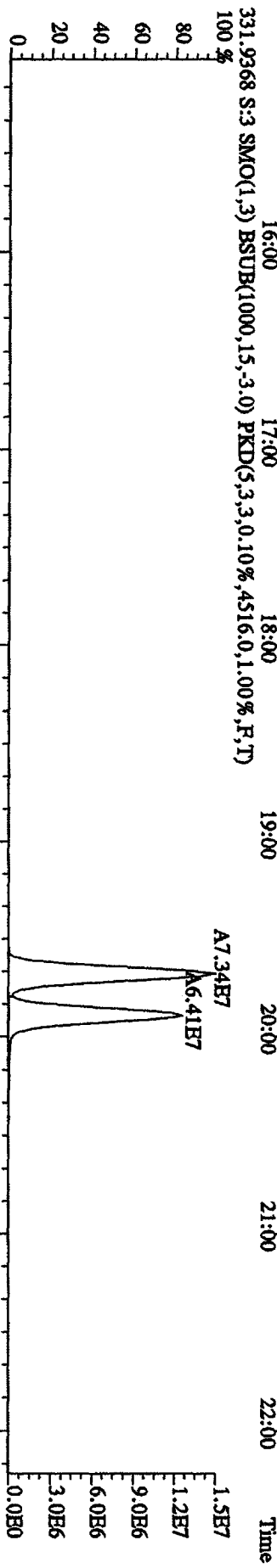
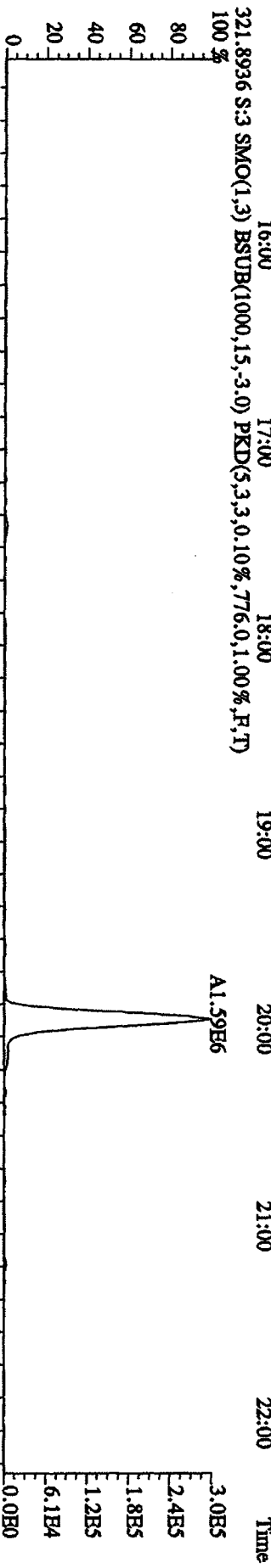
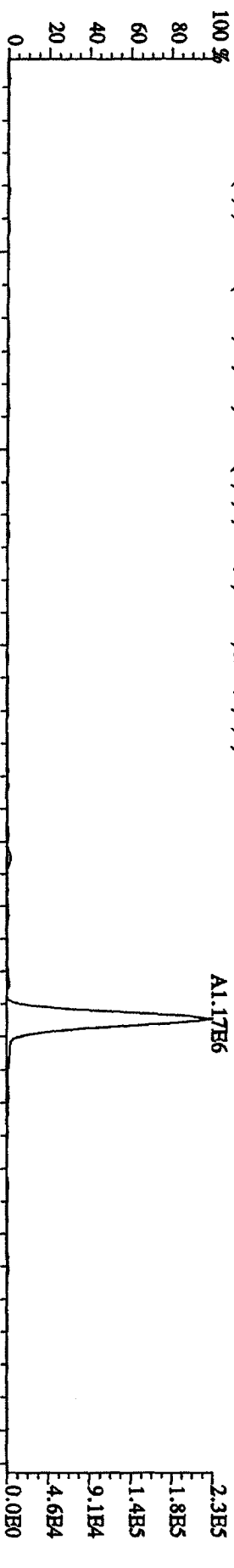
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



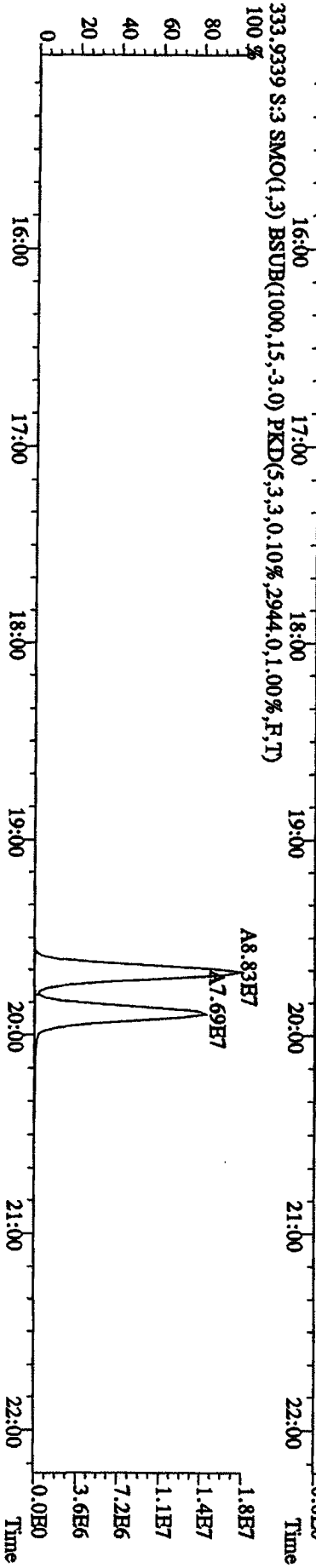
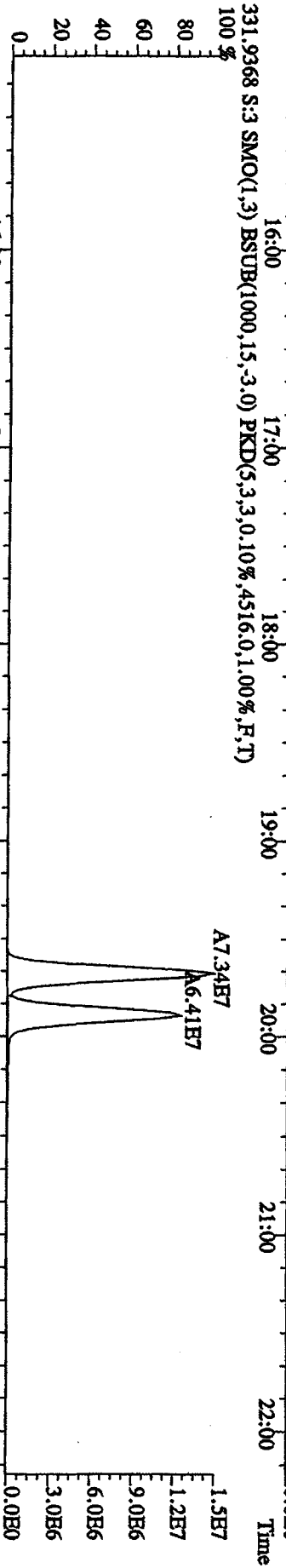
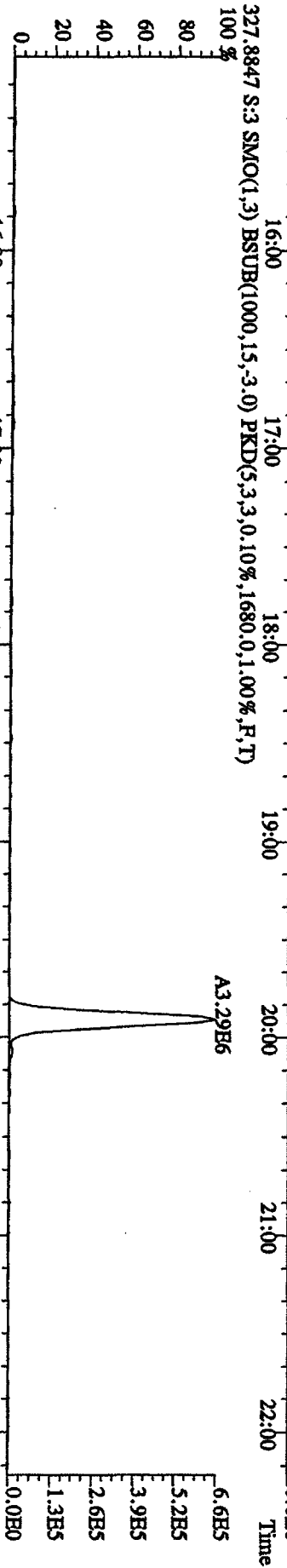
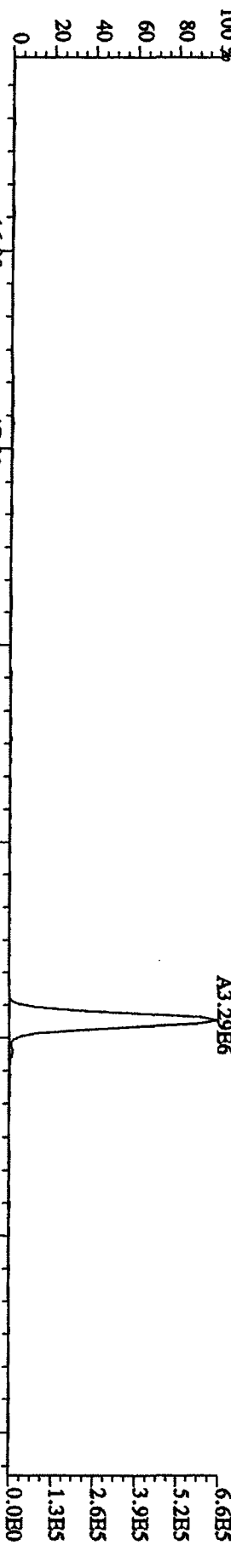
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,616.0,1.00%,F,T) 100%



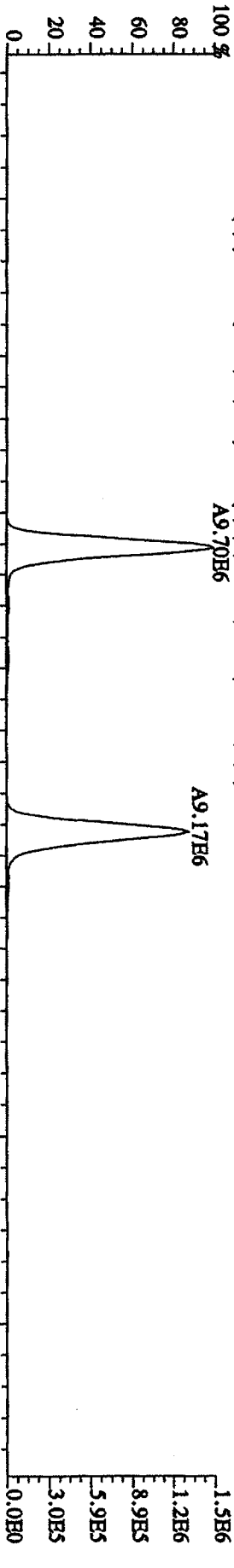
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:ST0412A :CS-2 09DXN423 Bsp:DIOXINRES8290A
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,756.0,1.00%,F,T)



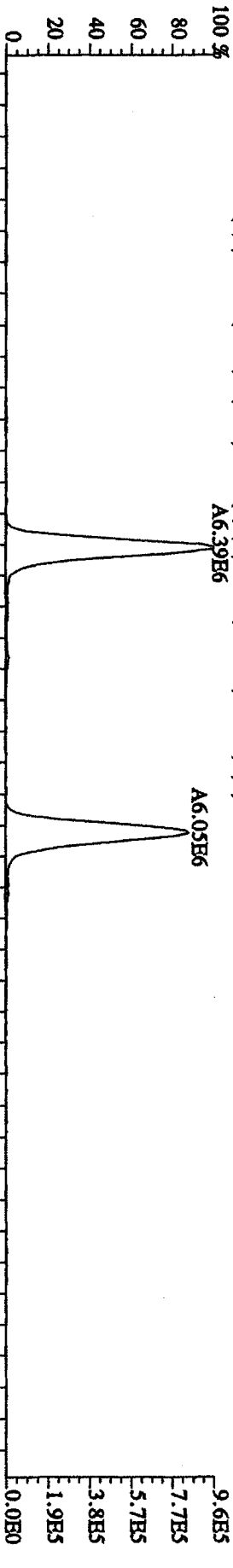
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRESS8290A
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1680,0,1.00%,F,T) 100%
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1680,0,1.00%,F,T) 100%



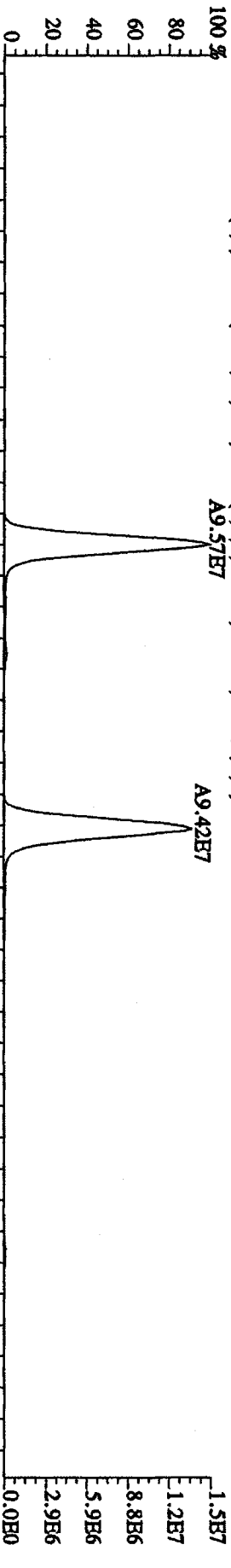
File: 12AP104D5 #1-605 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,676,0,1,00%,F,T)



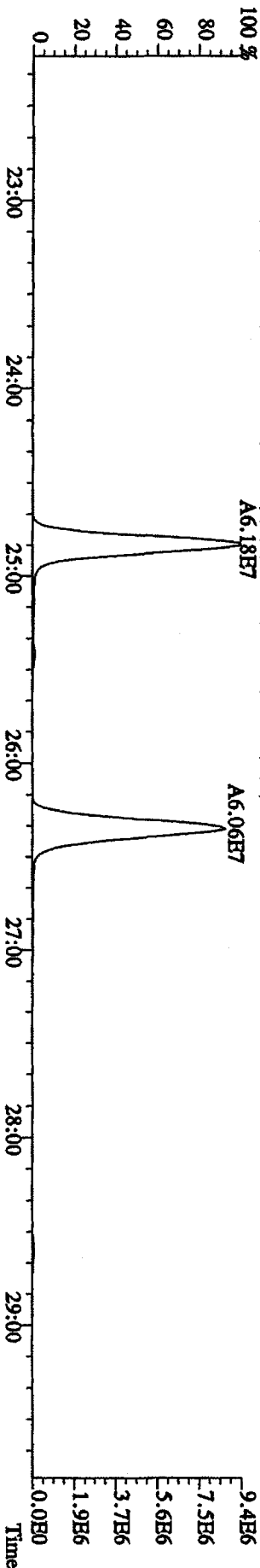
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1276,0,1,00%,F,T)



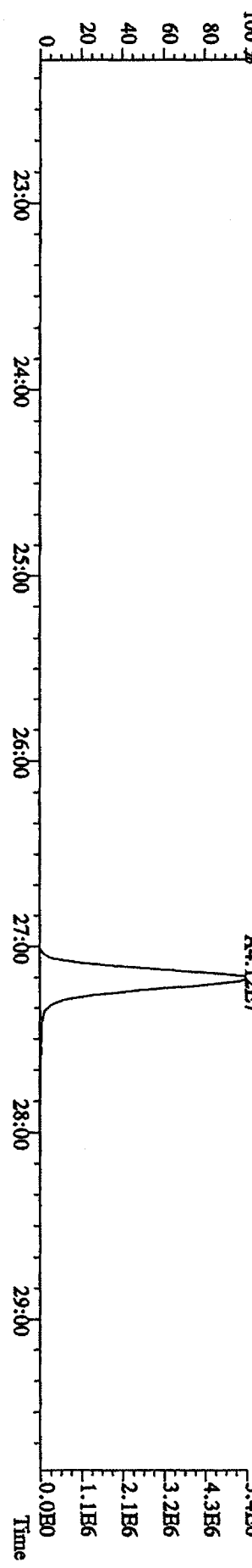
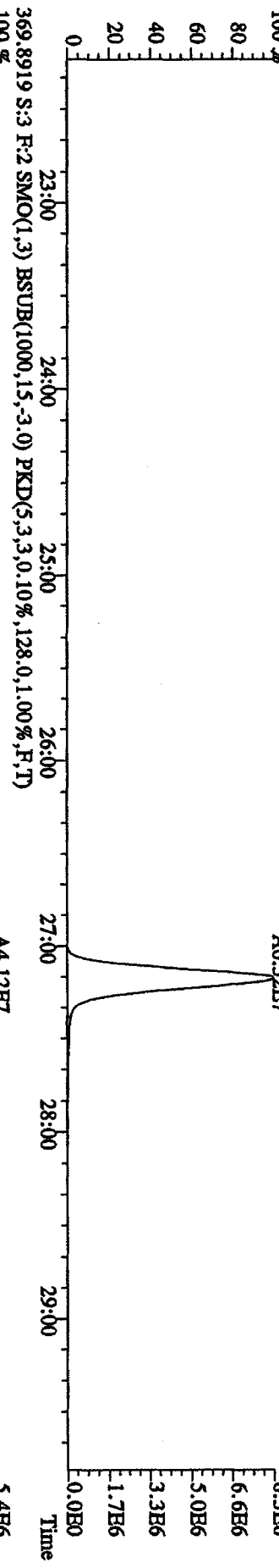
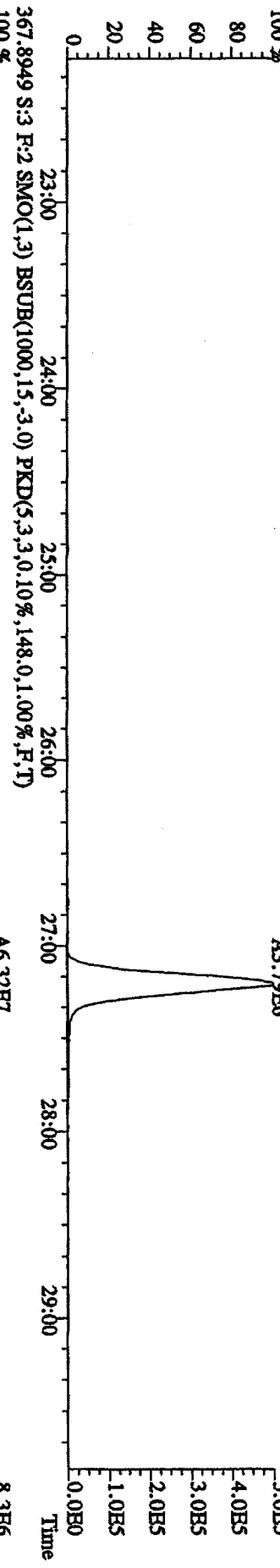
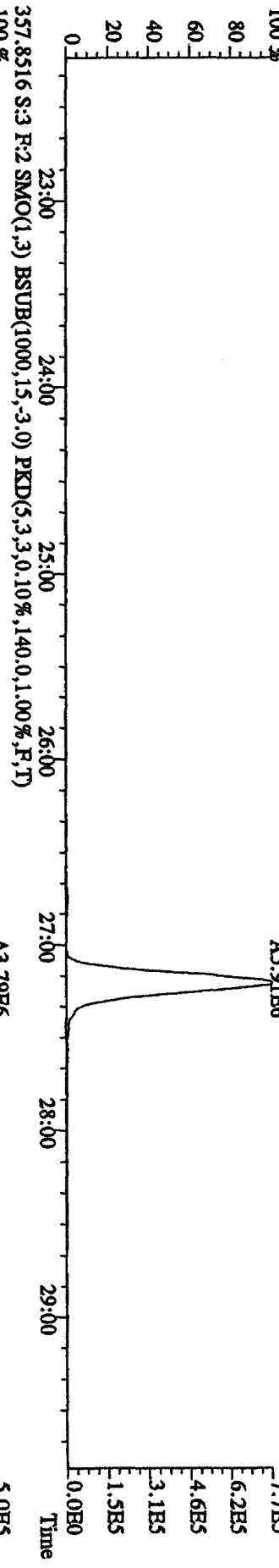
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3636,0,1,00%,F,T)



353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3028,0,1,00%,F,T)



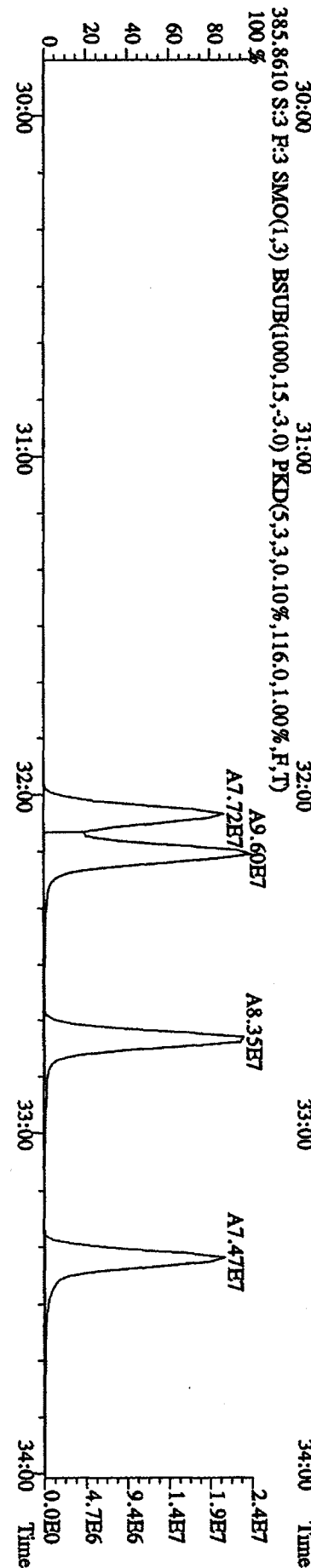
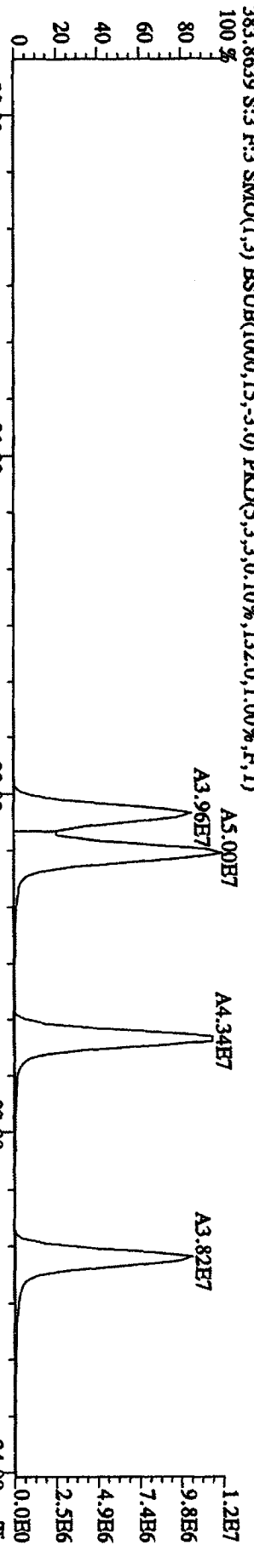
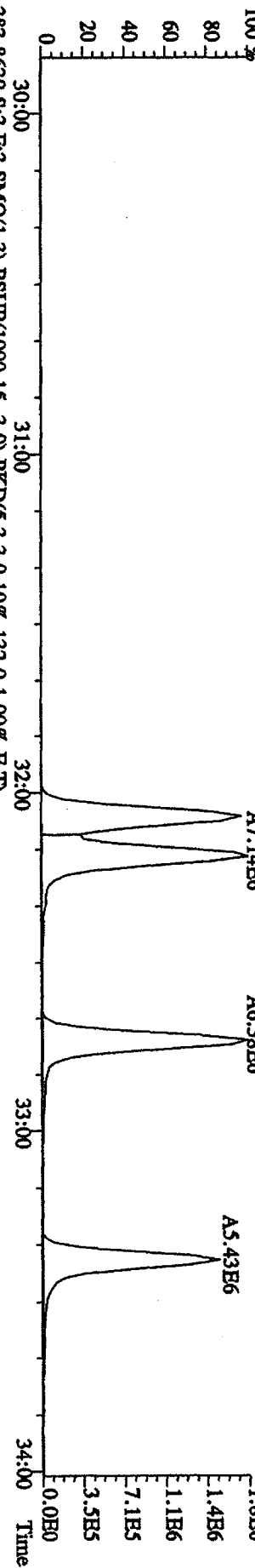
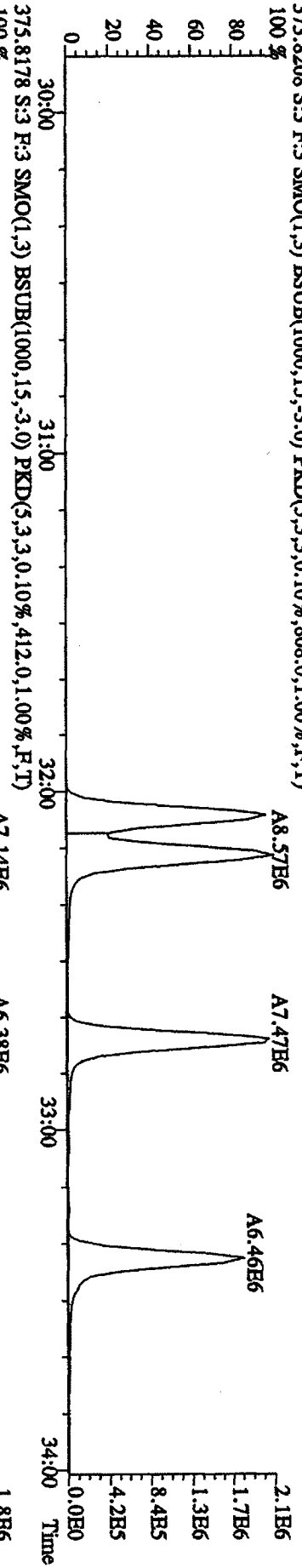
File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 355.8546 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.832,0,1,1.00%,F,T)
 100 %



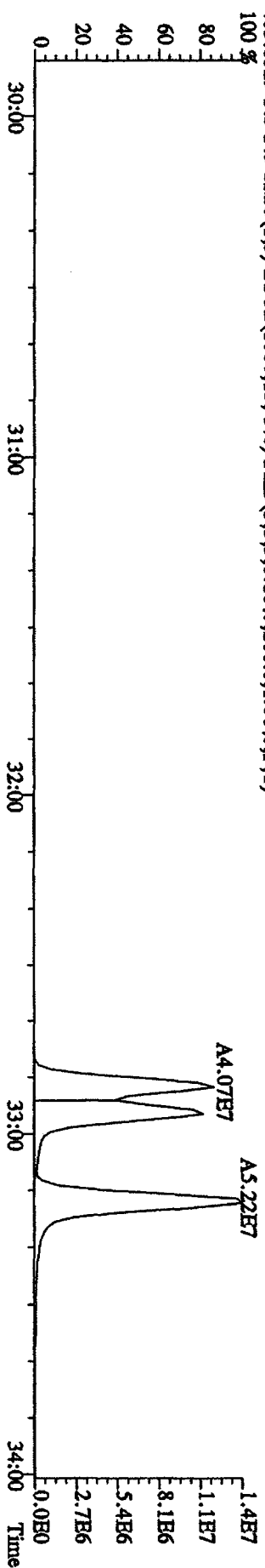
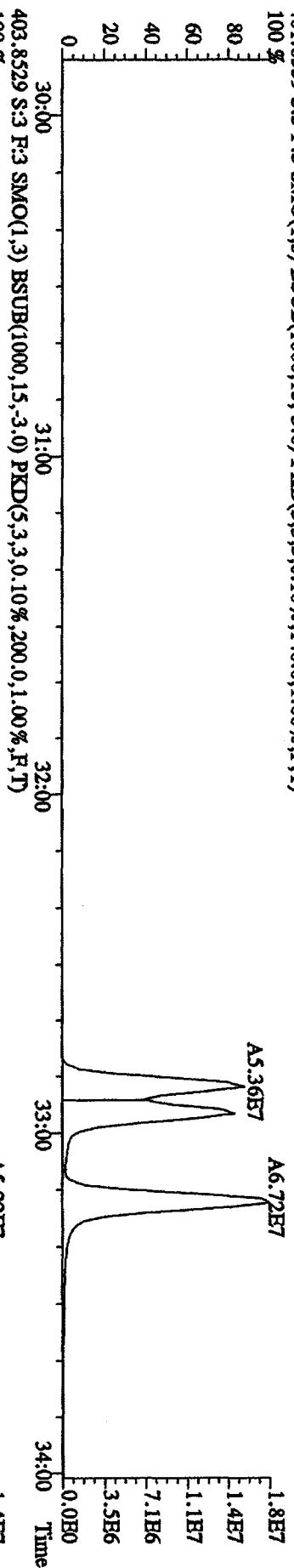
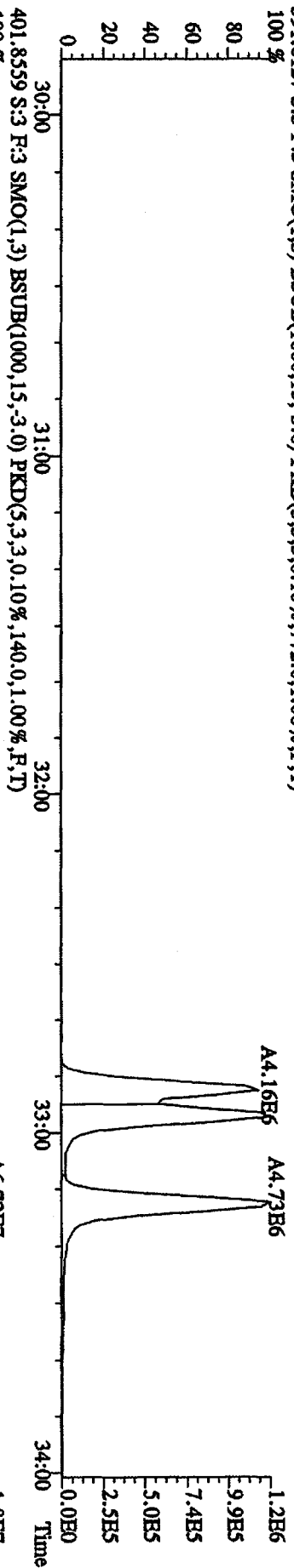
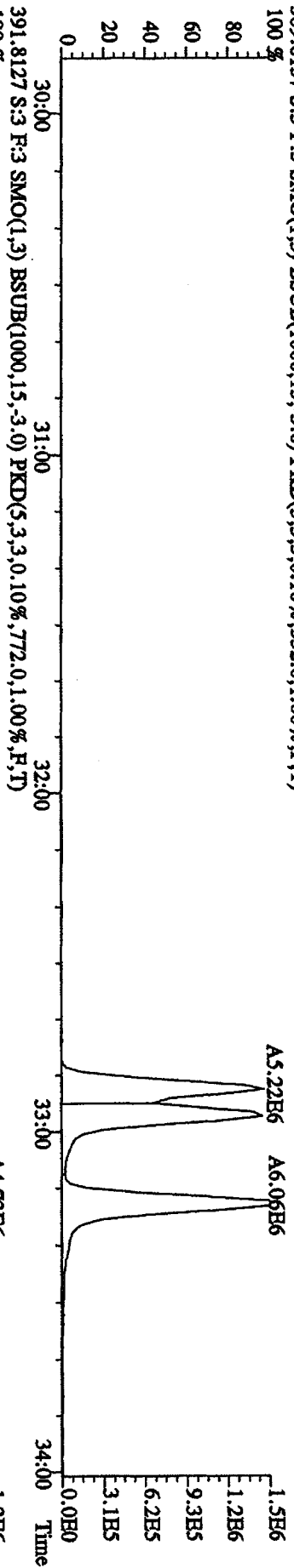
File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC:EI+ Voltage:50V Autospec-UltimaB

Sample#3 Text:ST0412A :CS-2-09DXN423 Exp:DIOXINRHS8290A

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)

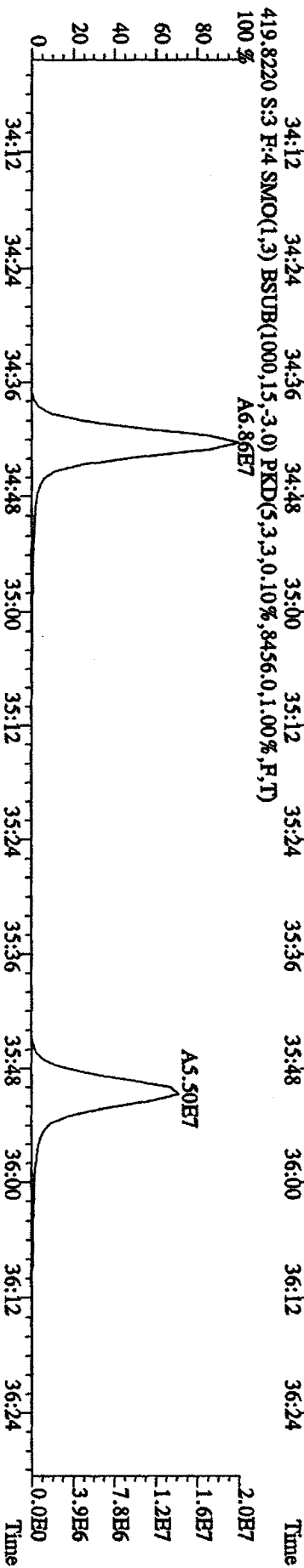
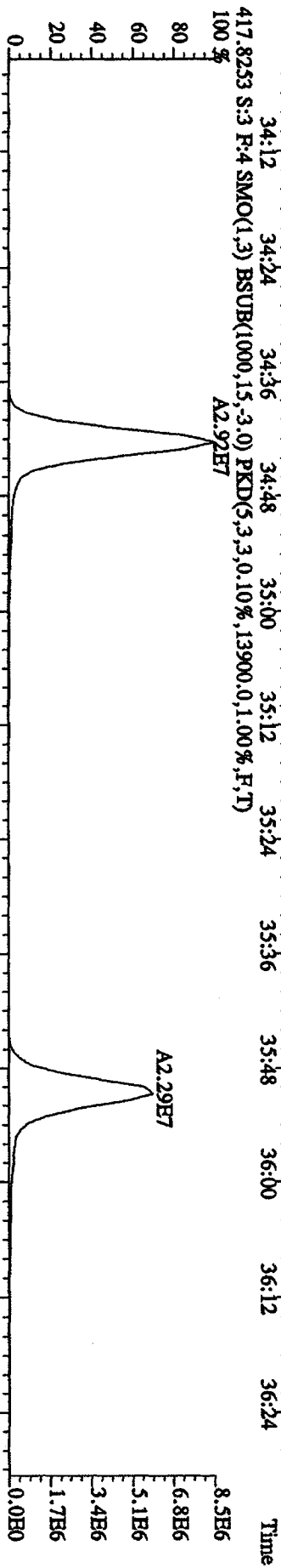
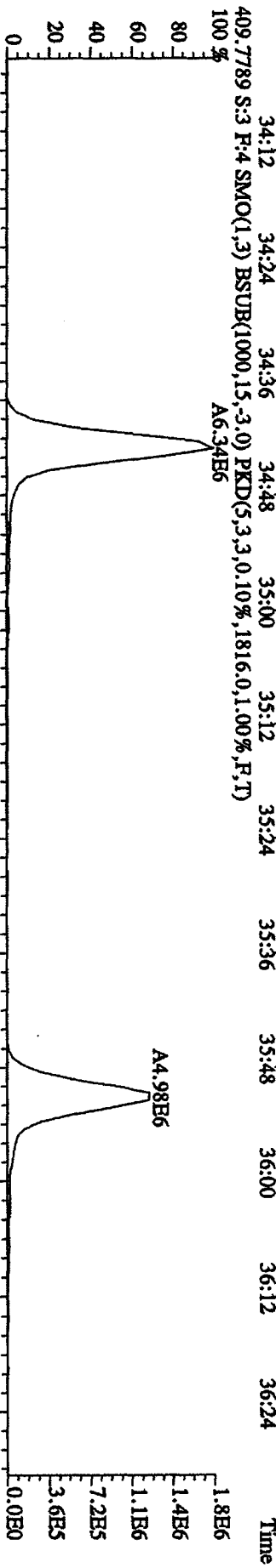
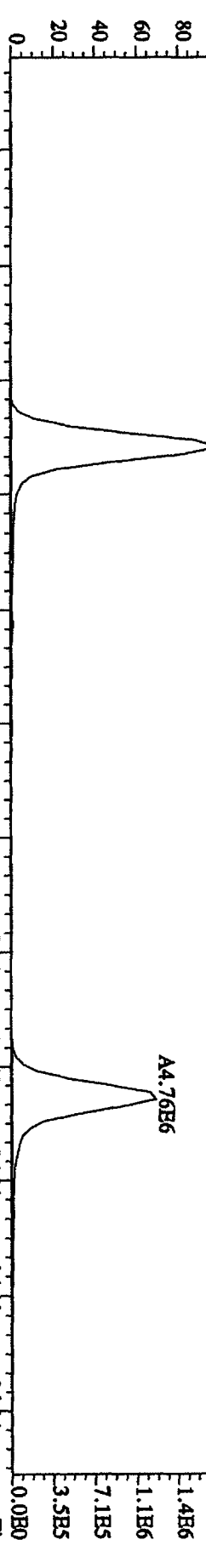


File: 12AP104D5 #1-317 Acq: 12-APR-2010 10:04:44 GC: EI + Voltage SIR Autospec-Ultimate
 Sample#3 Text: ST0412A :CS-2.09DXN423 Exp: DIOXINRES8290A
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,532.0,1.00%,F,T)

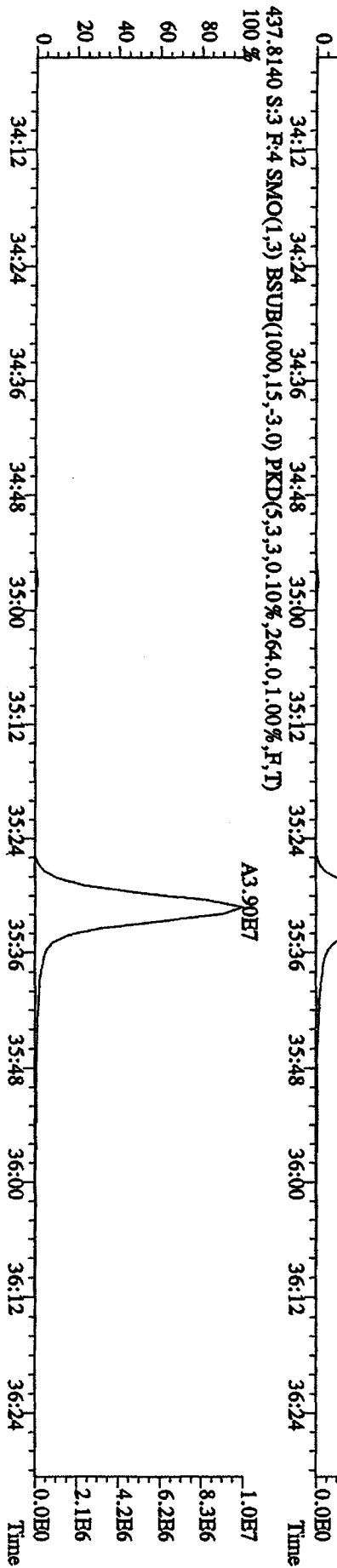
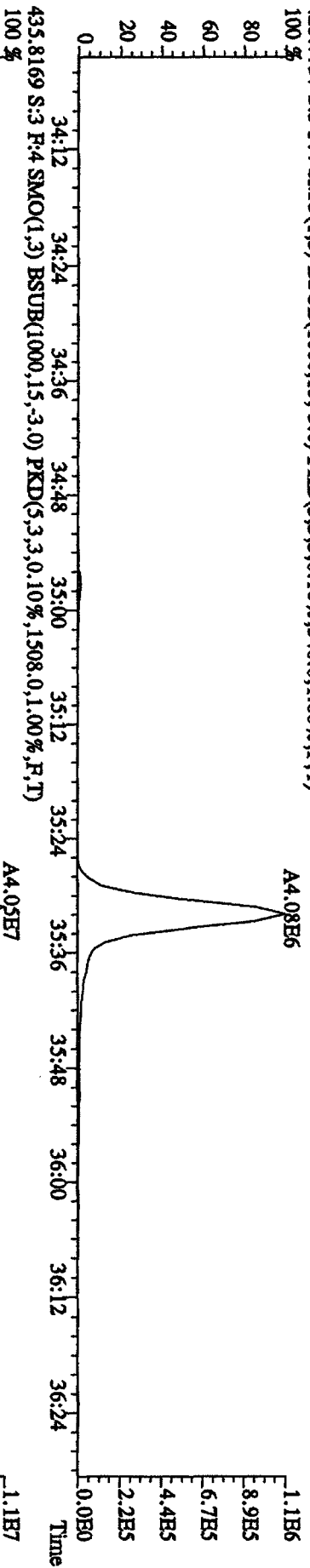
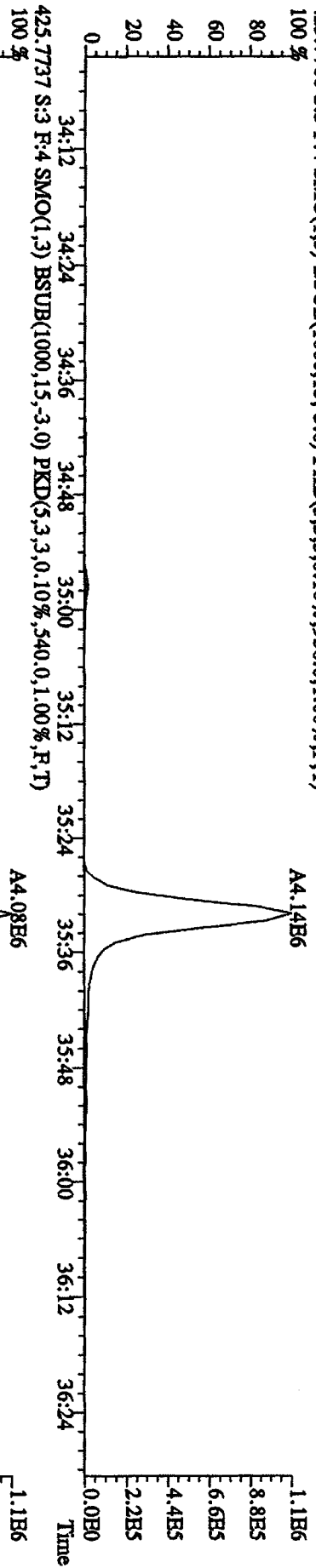


File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UtimaE

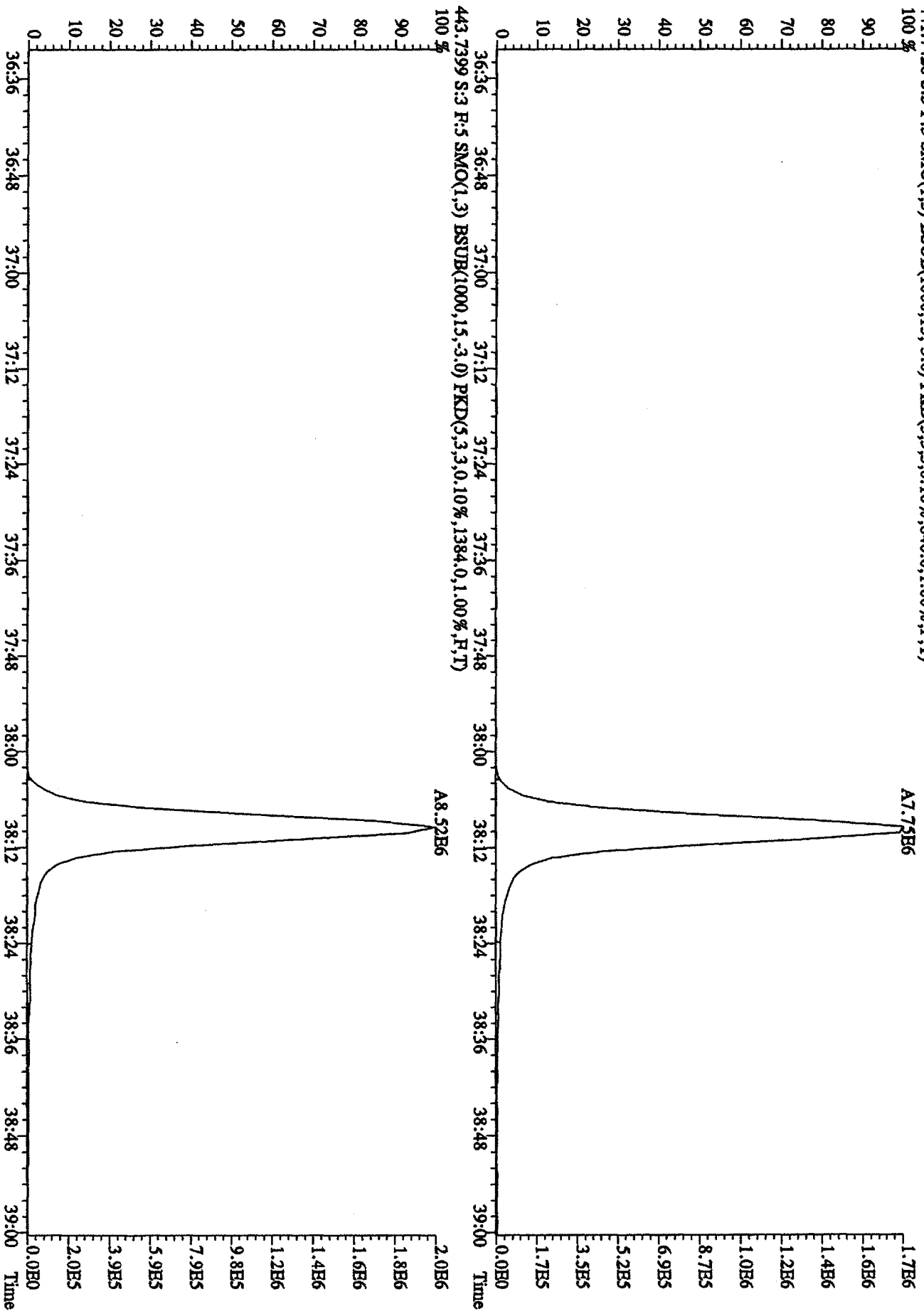
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



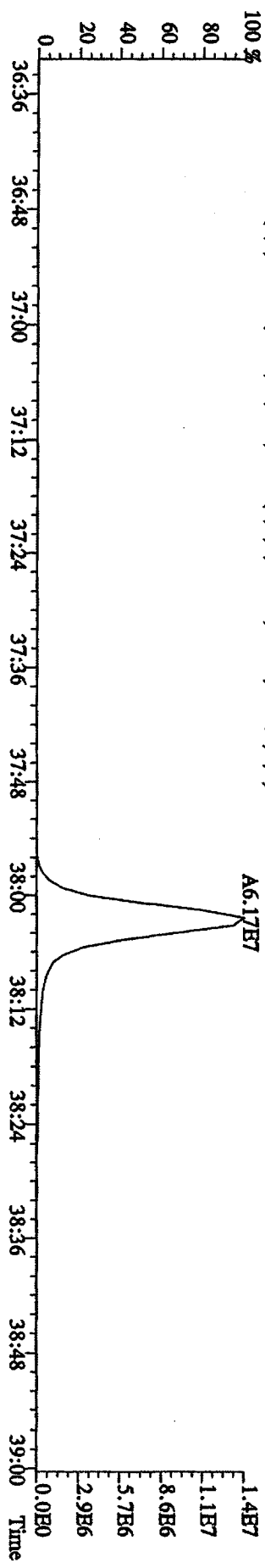
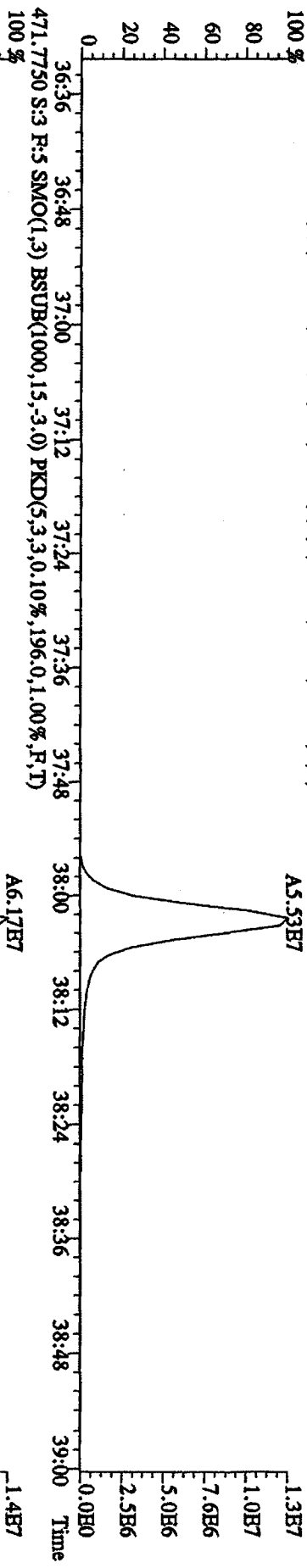
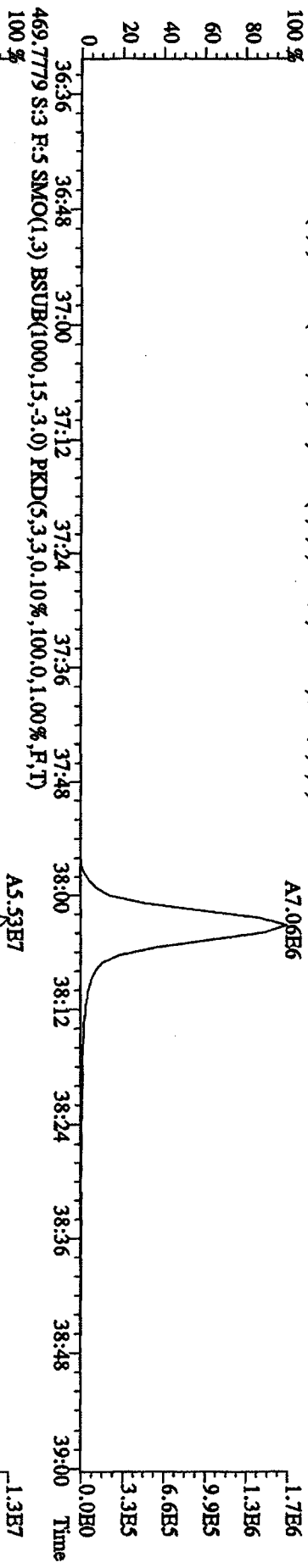
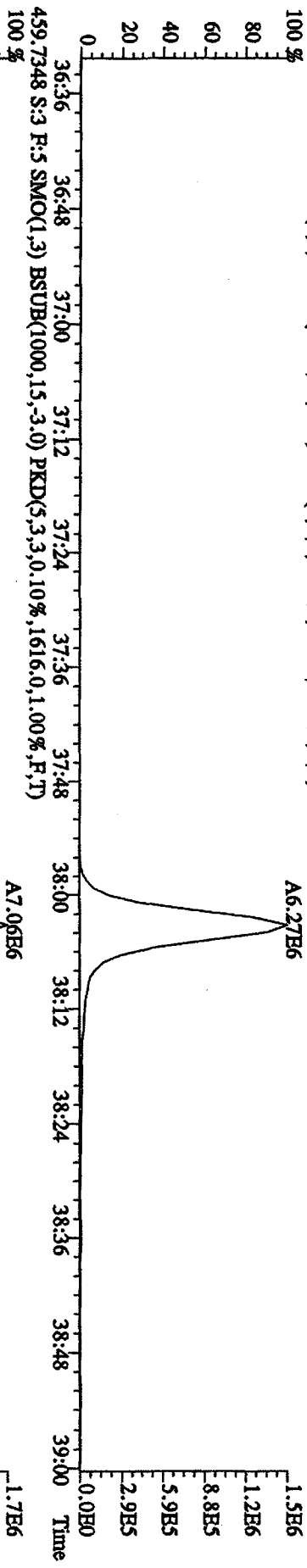
File: 12AP104D5 #1-198 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,956.0,1.00%,F,T)



File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC:EI+ 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)

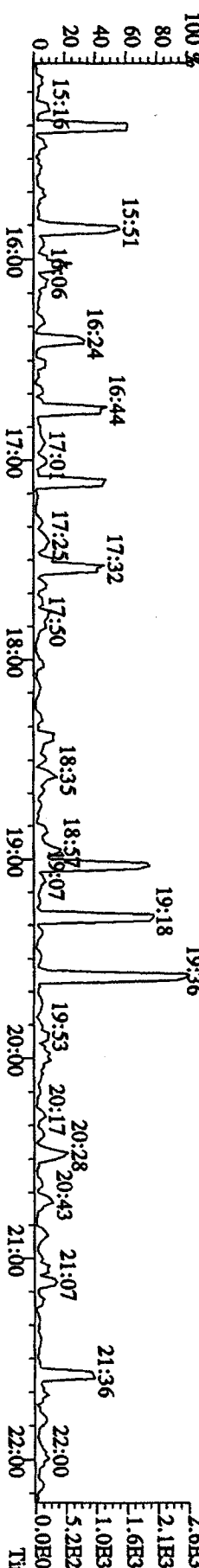
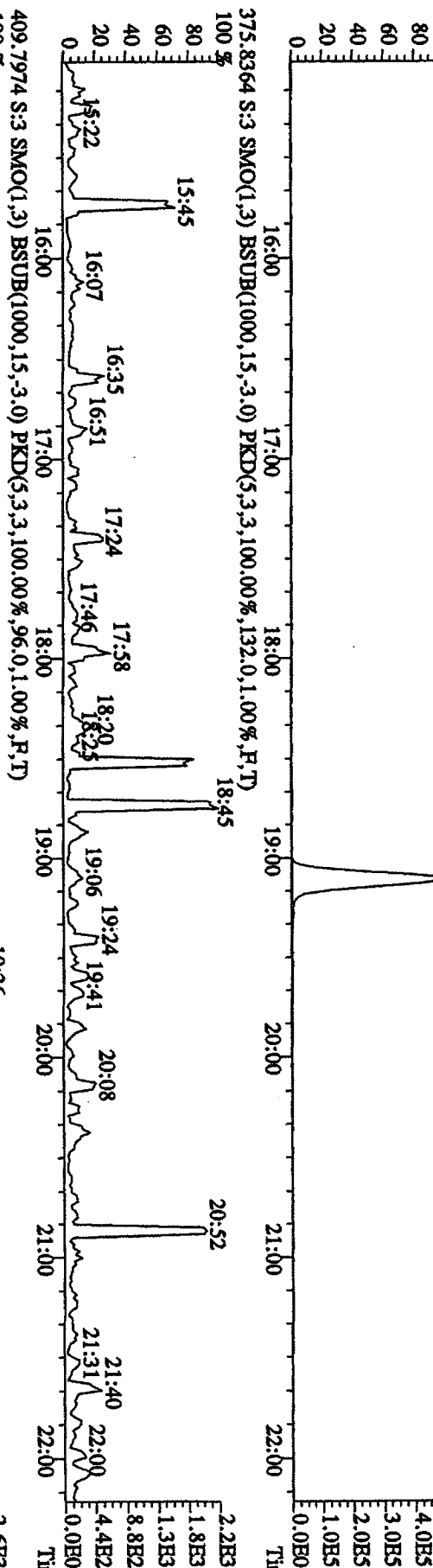
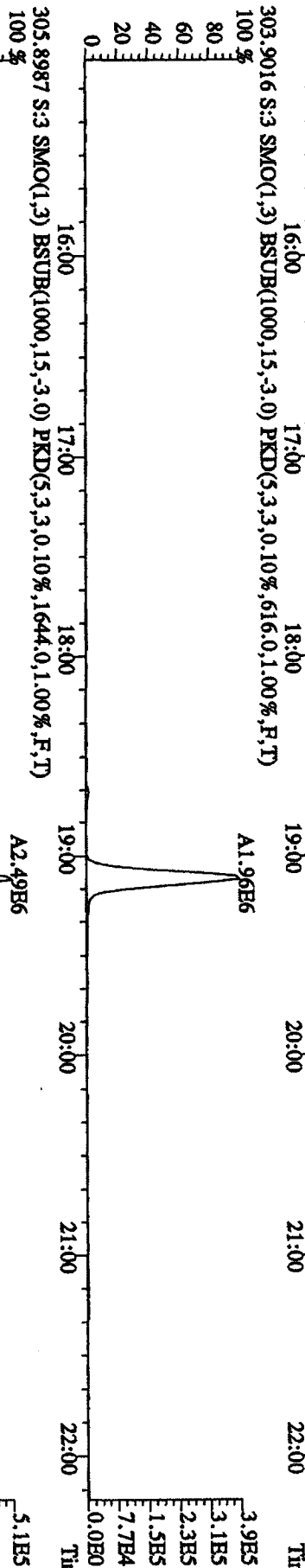
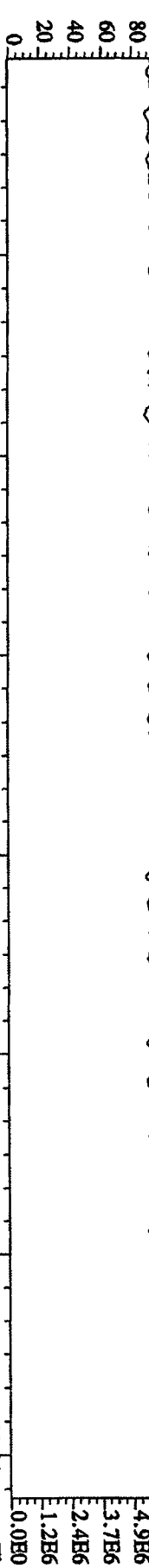


File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,604.0,1.00%,F,T)
 100%

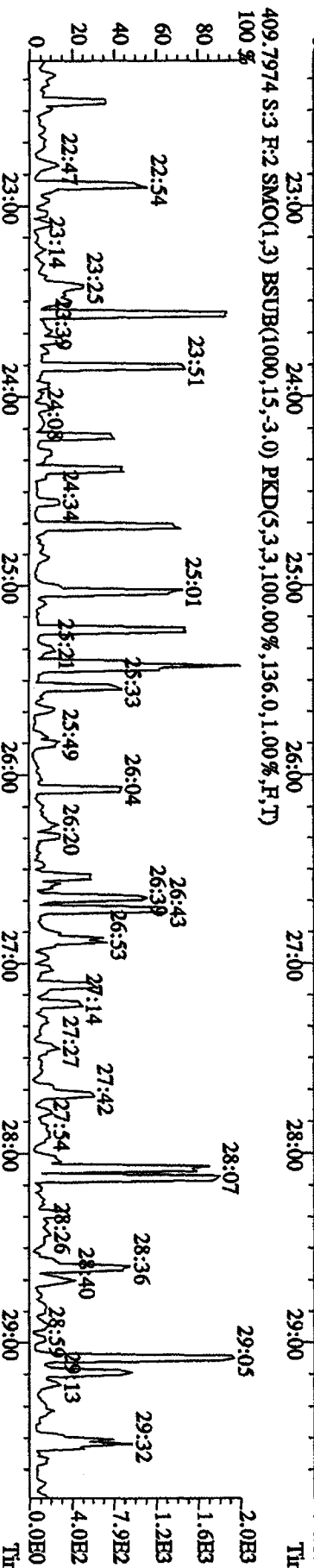
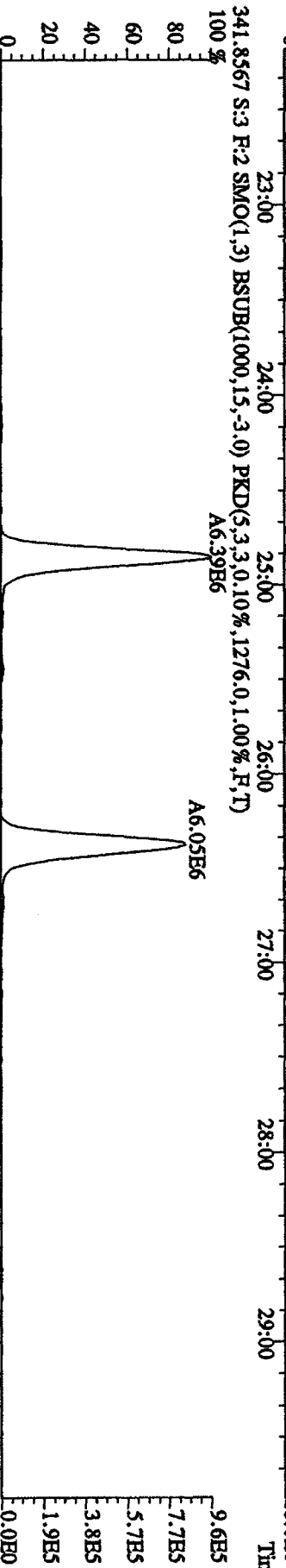
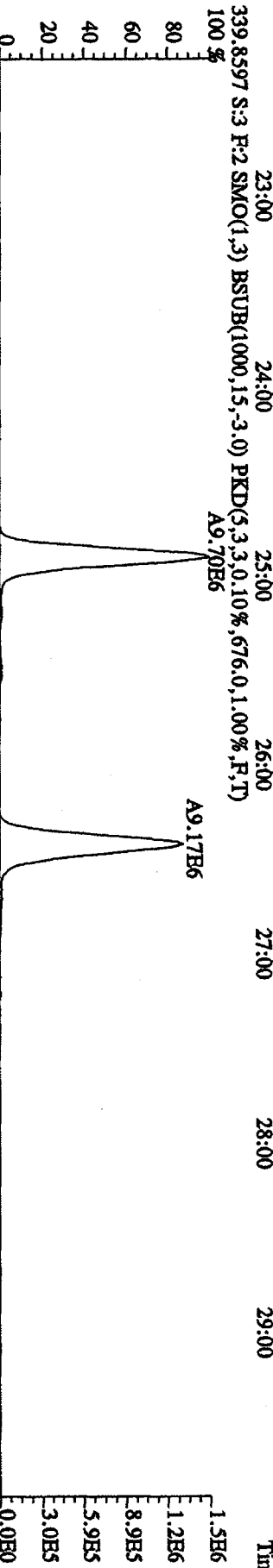
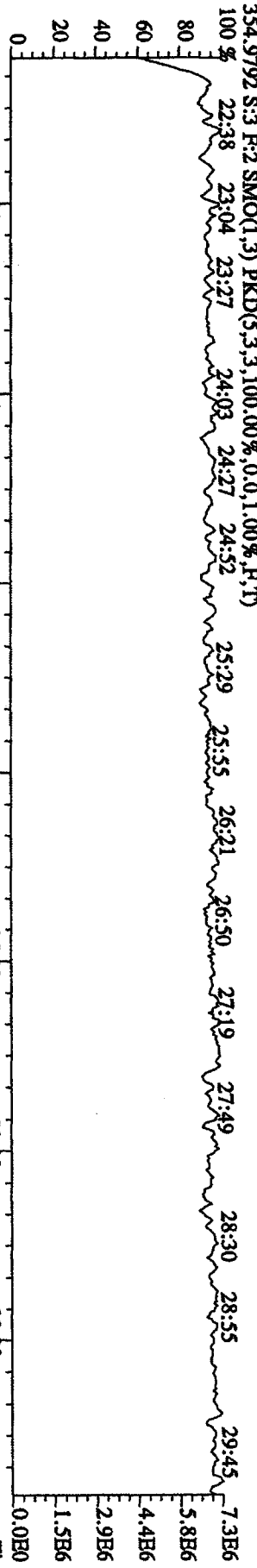


File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltraB

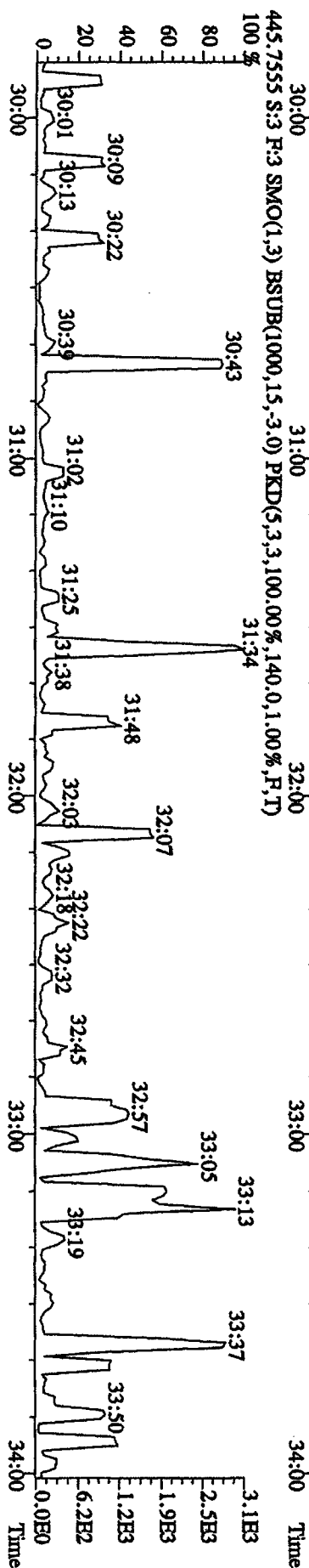
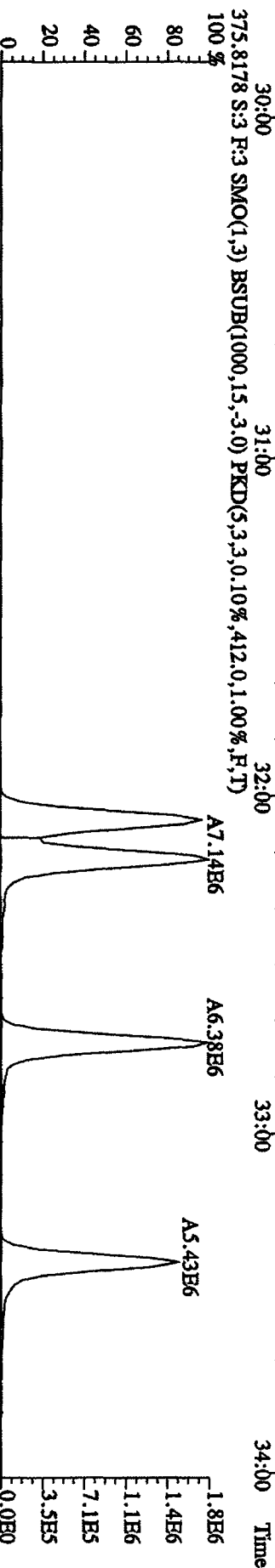
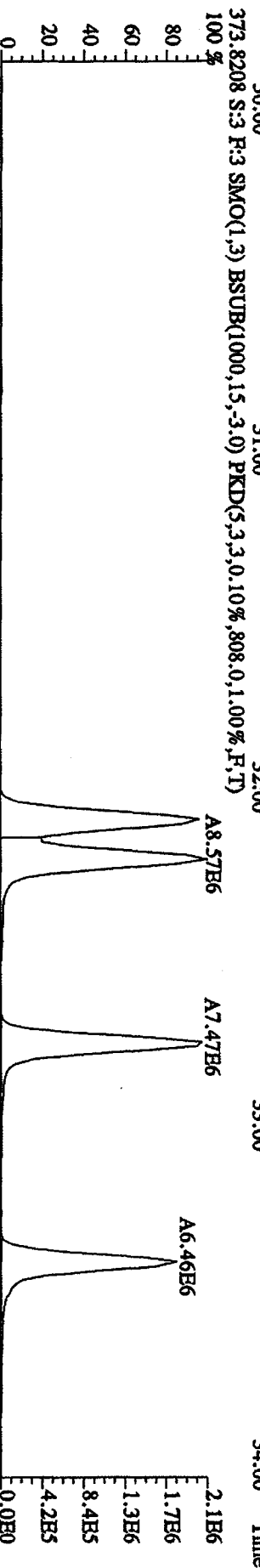
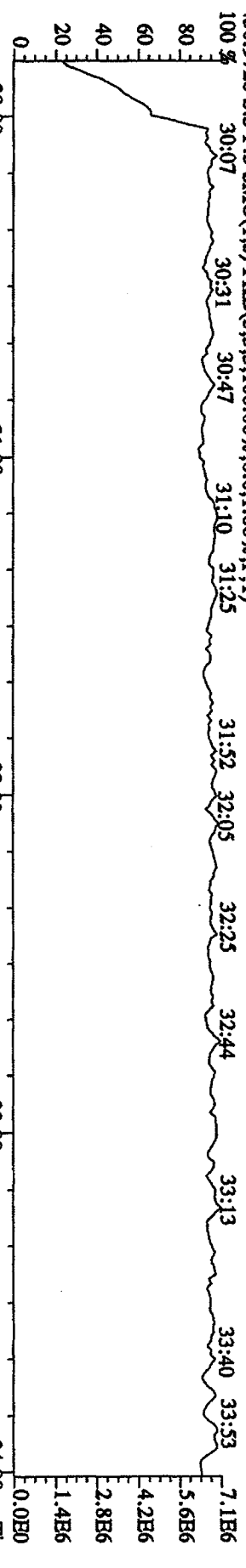
Sample#3 Test:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



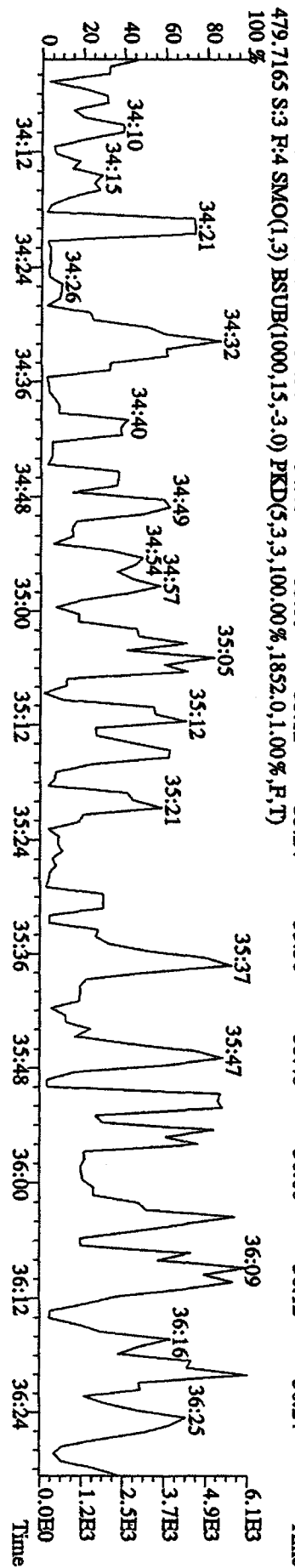
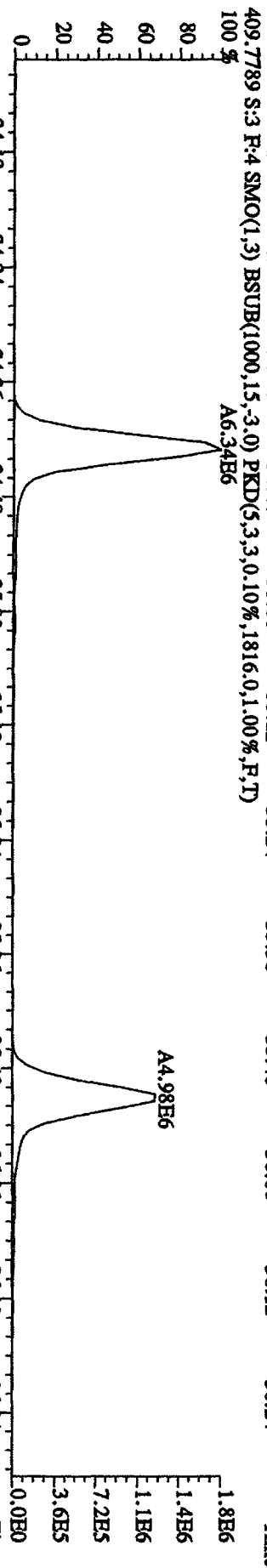
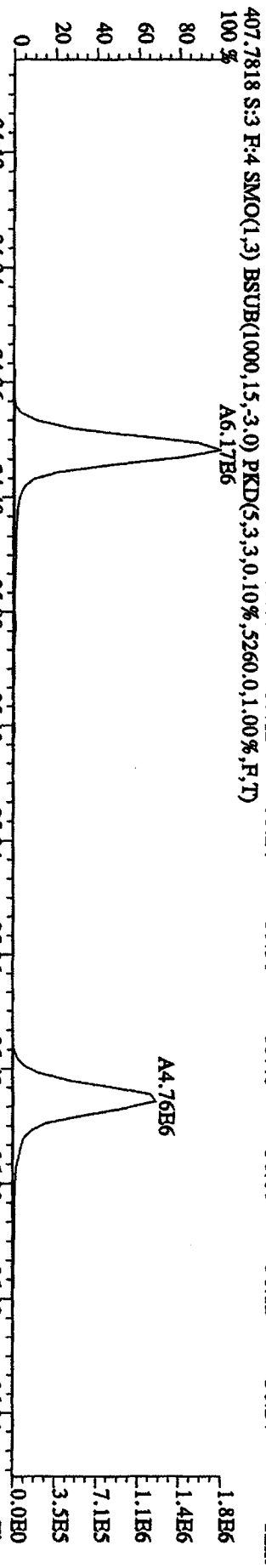
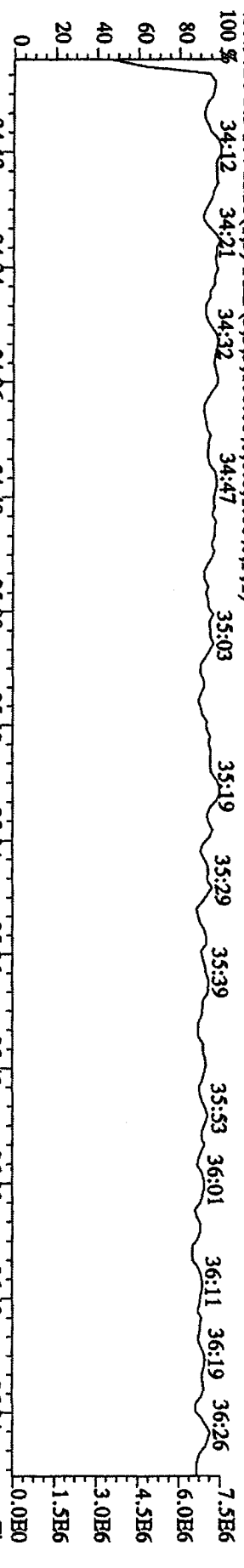
File: 12AP104D5 #1-605 Acq: 12-APR-2010 10:04:44 GC EI + Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A



File: 12AP104D5 #1-317 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A



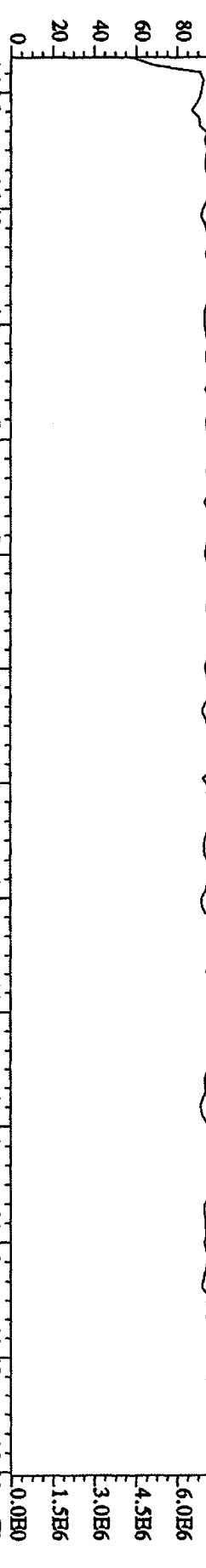
File: 12AP104D5 #1-198 Acq: 12-APR-2010 10:04:44 GC EI + Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A : CS-2 09DXN423 Exp: DIOXINRES8290A



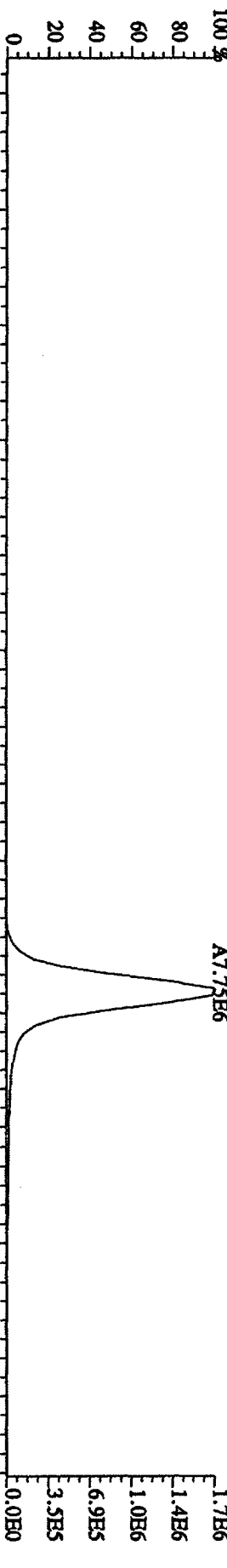
File:12AP10AD5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB

Sample#3 Text:ST0412A :CS-2-09DXN423 Exp:DIOXINRES8290A

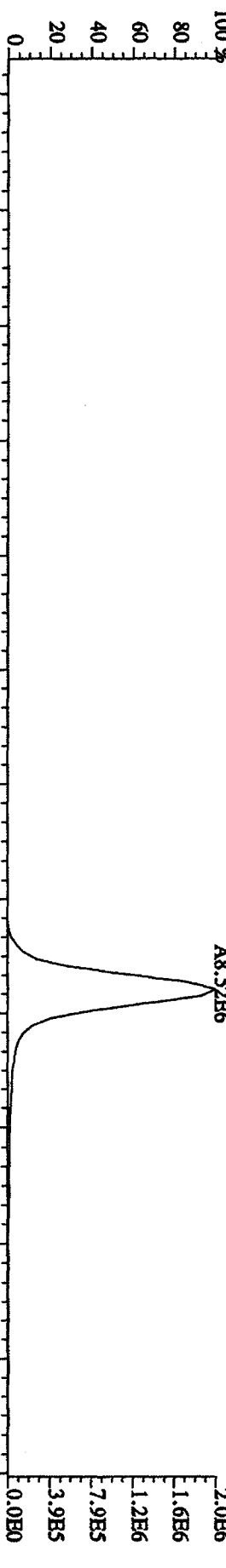
442.9728 S:3 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



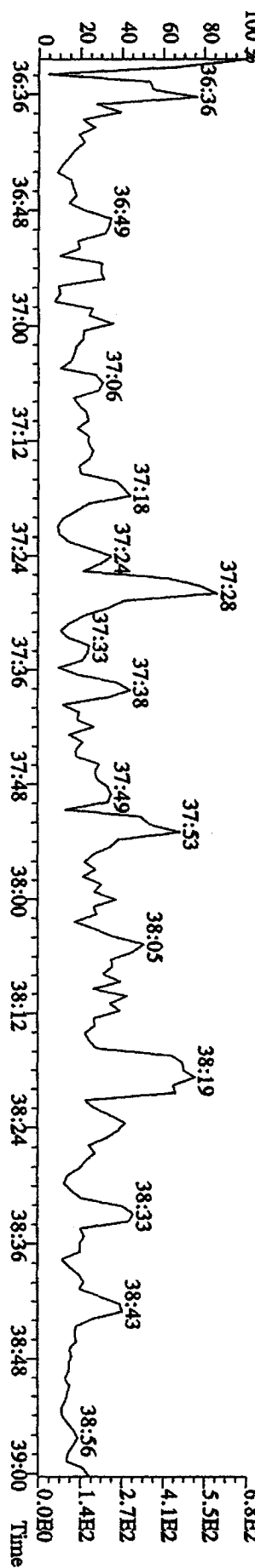
441.7428 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,840.0,1.00%,F,T)



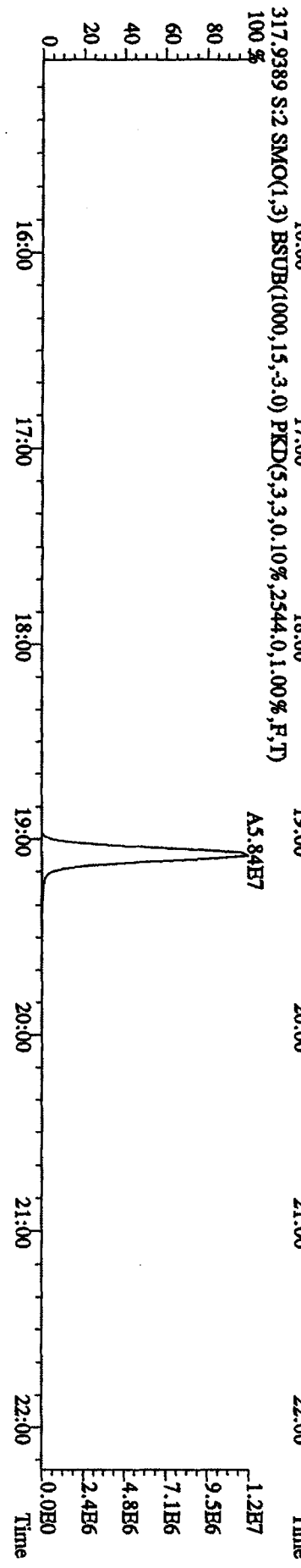
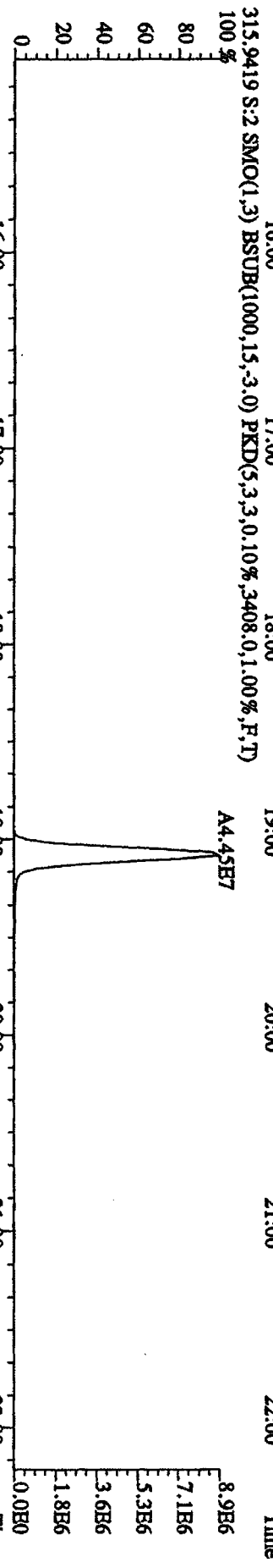
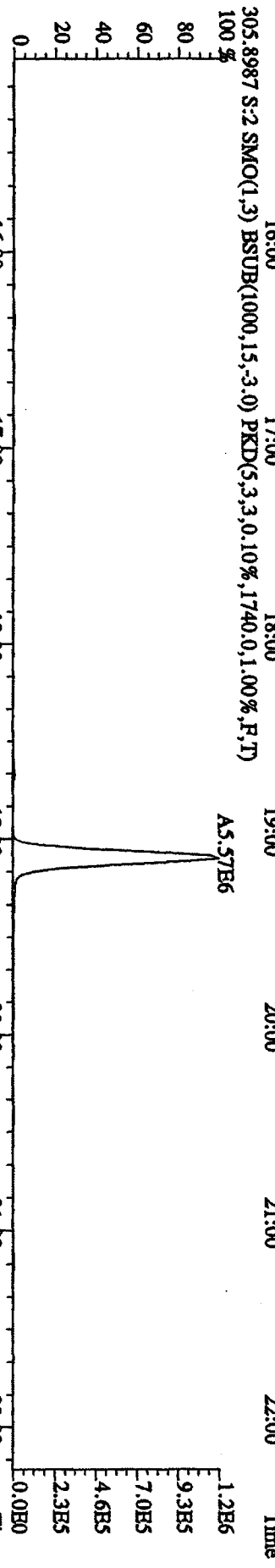
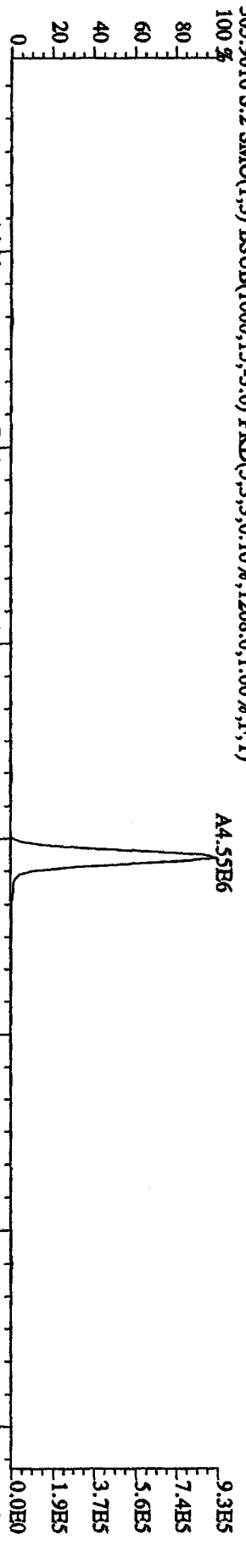
443.7399 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,1384.0,1.00%,F,T)



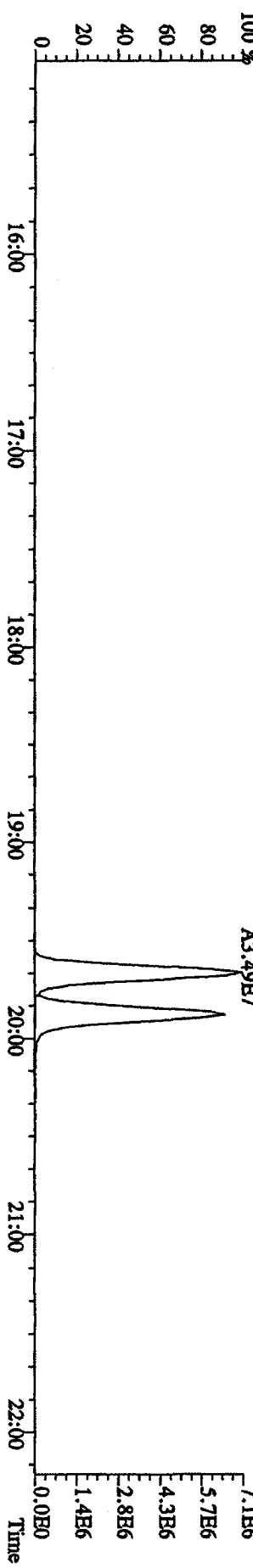
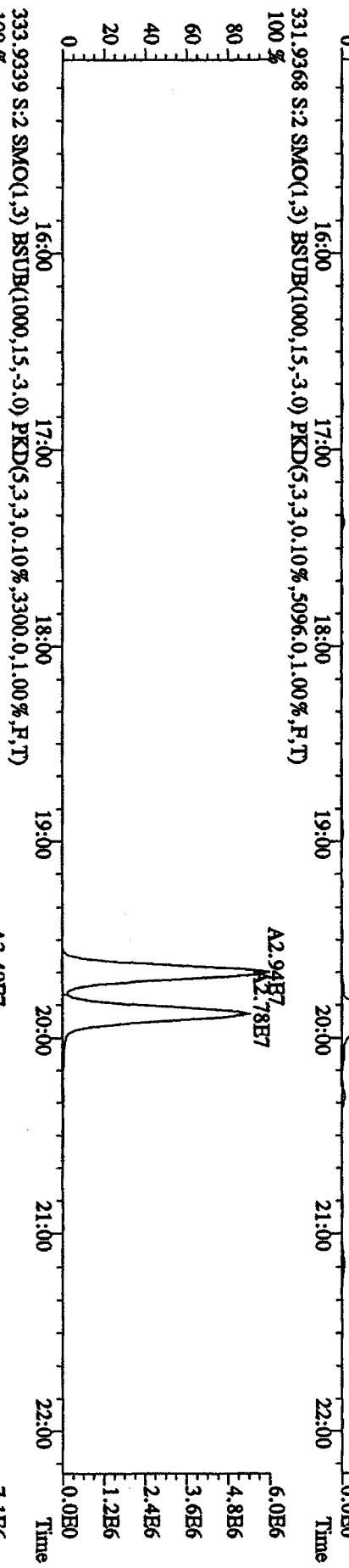
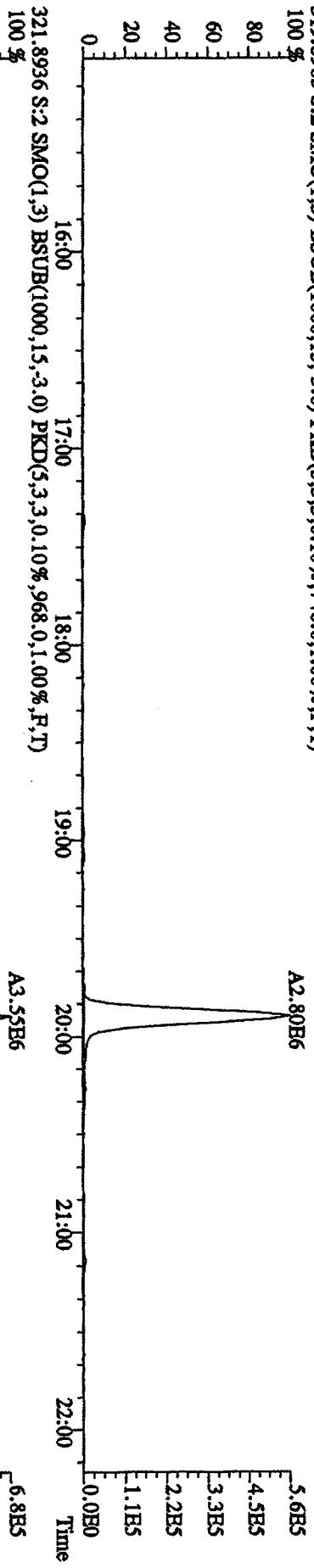
513.6775 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,5,100.00%,200.0,1.00%,F,T)



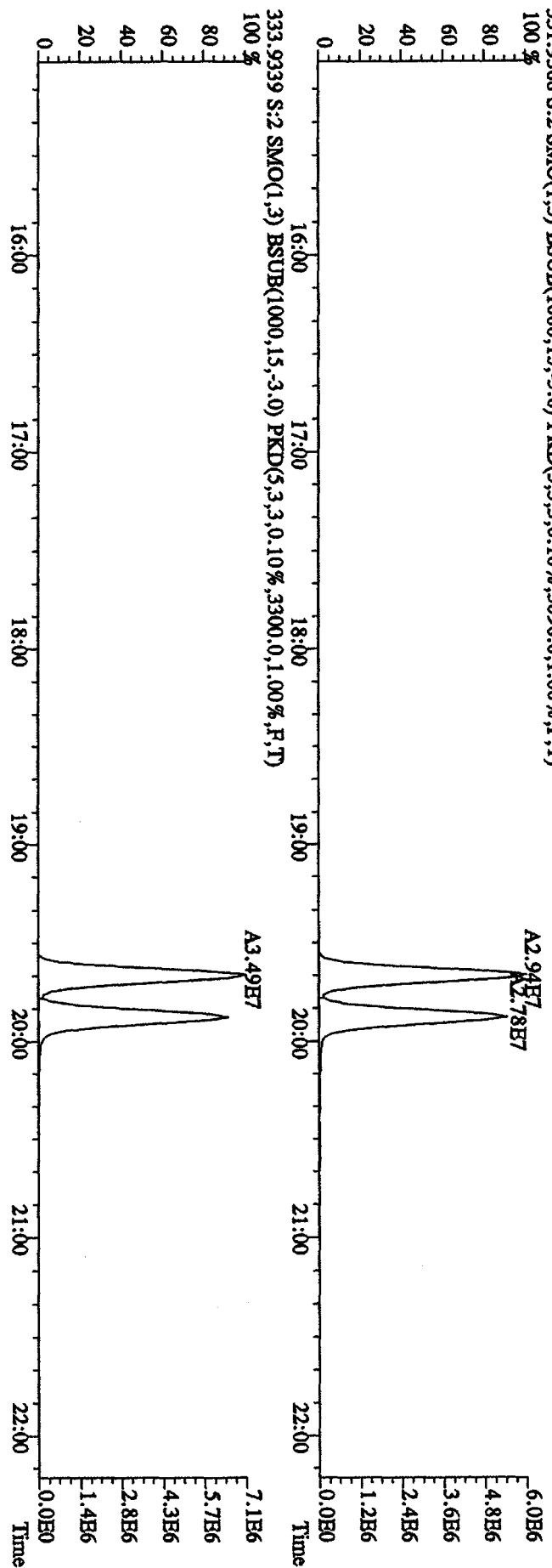
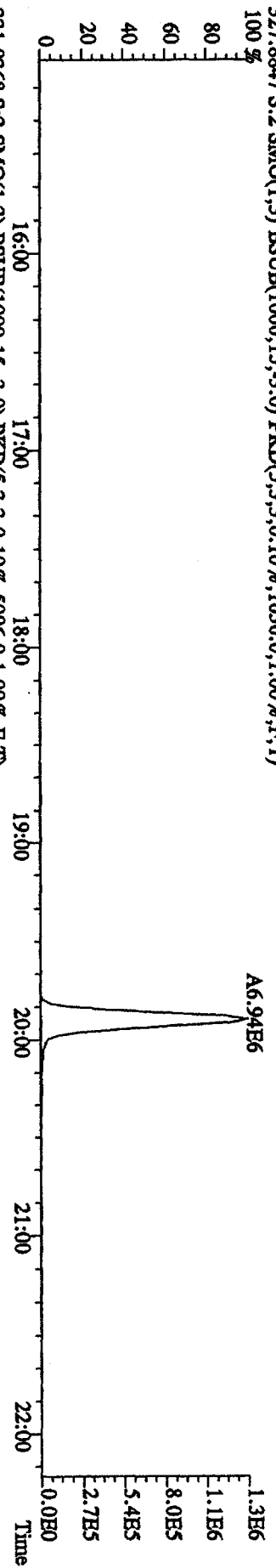
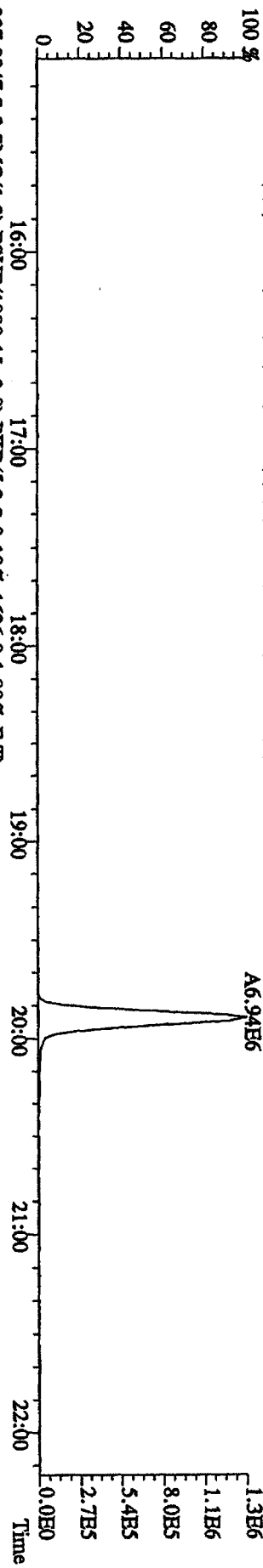
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 IODXN111 Exp:DIOXINRES8290A
 303.9016 S:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,1208.0,1.00%,F,T)
 100%



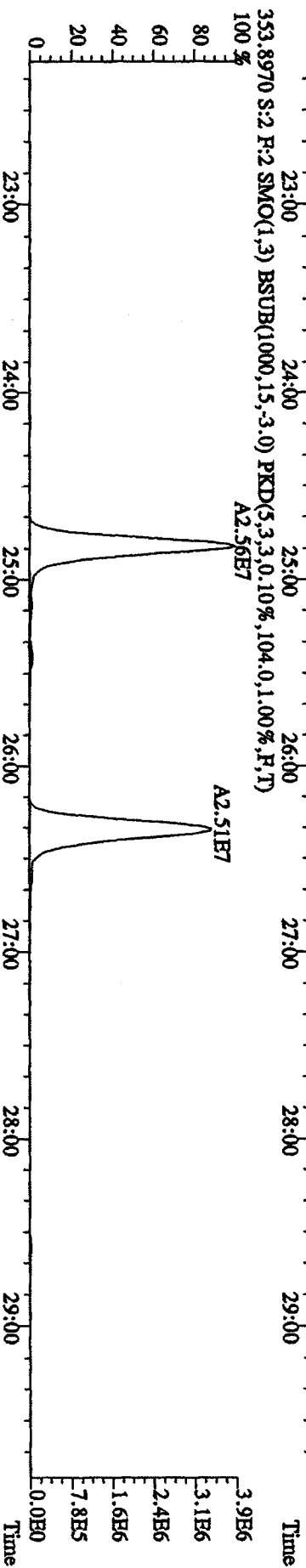
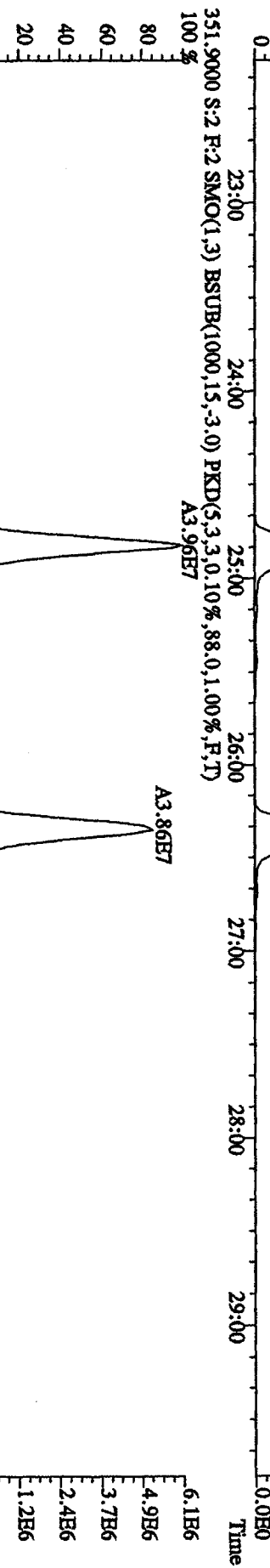
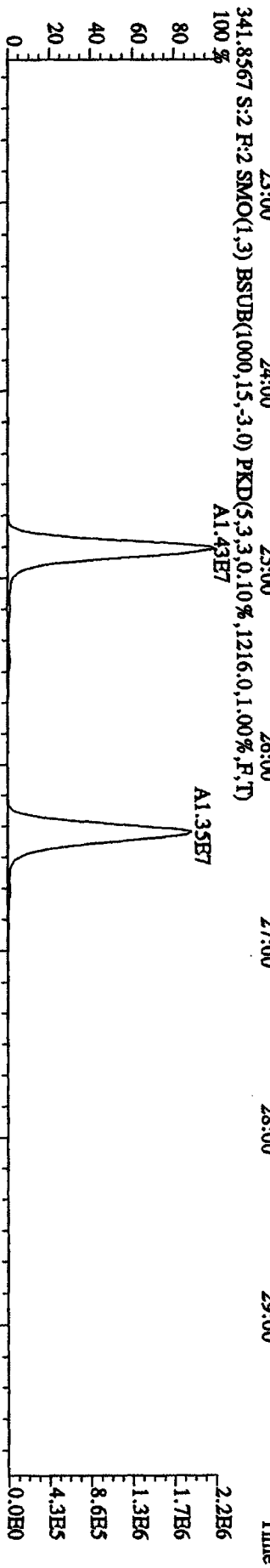
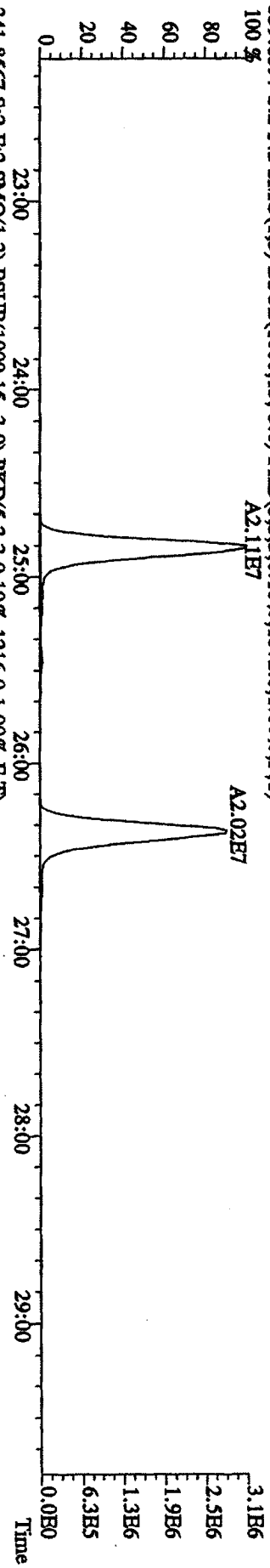
File: 12AP104D5 #1-435 Acq: 12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRBS8290A
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,748,0.1,0.0%,F,T)
 100%



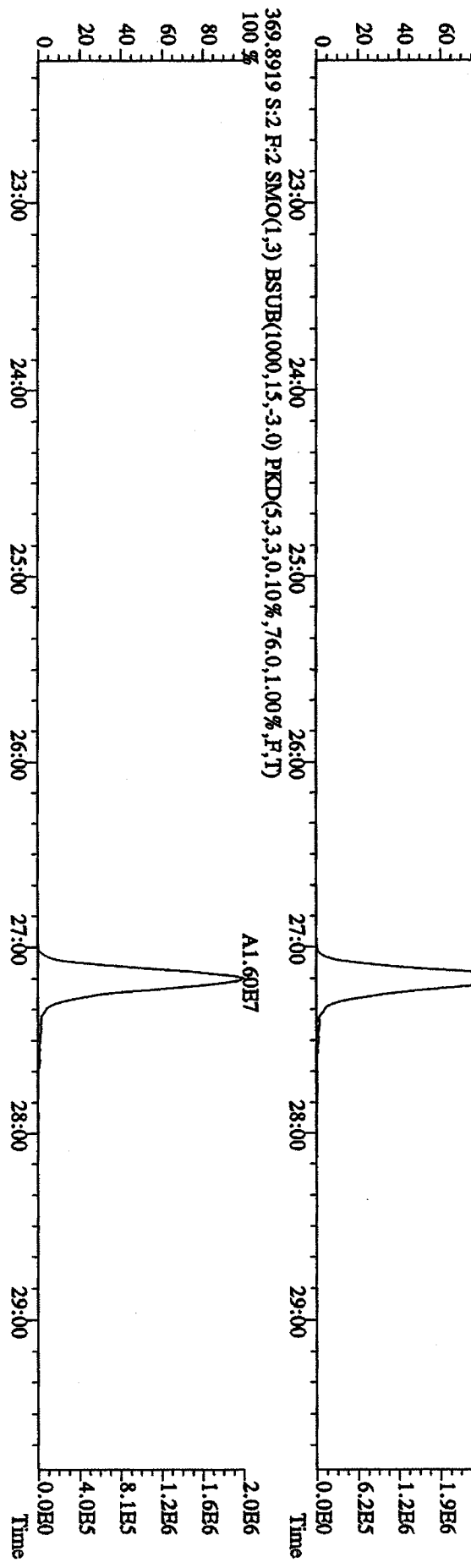
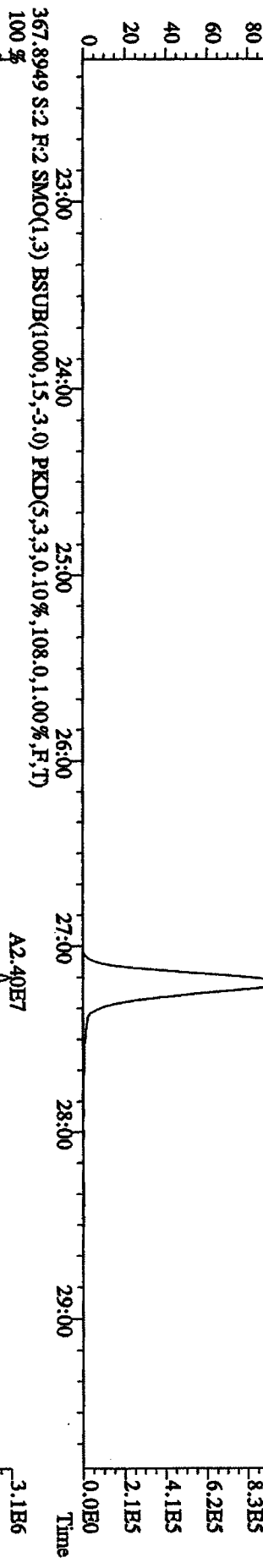
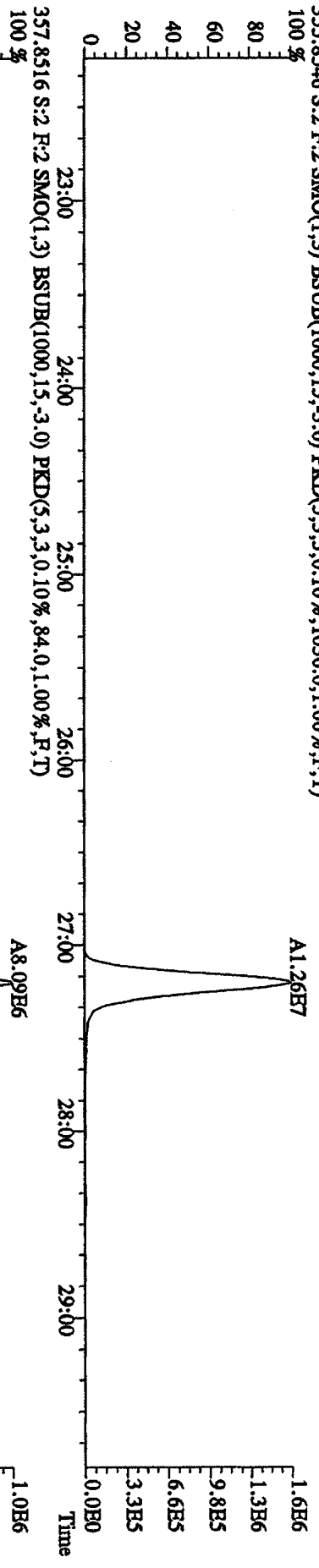
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T) 100%



File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI + Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 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) A2.11E7



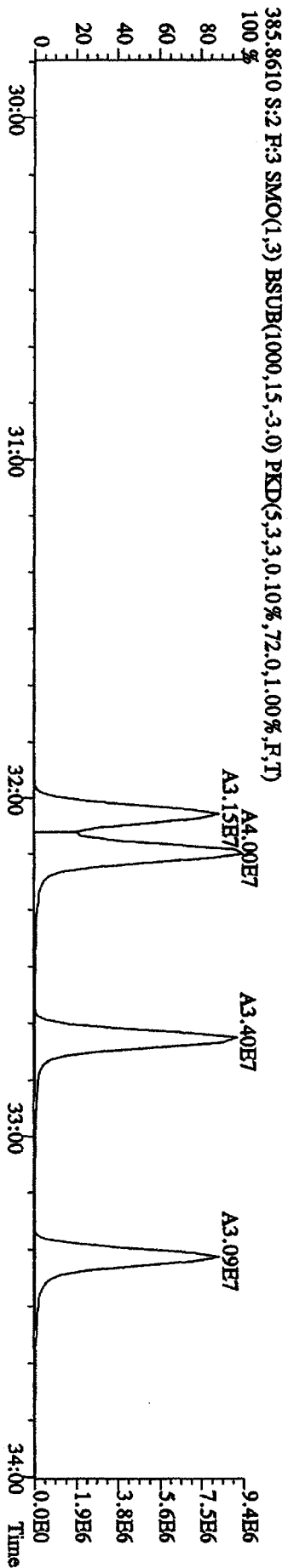
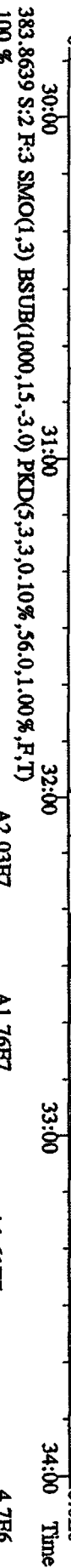
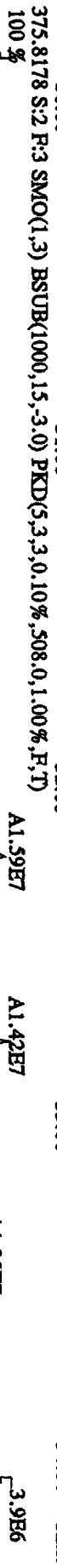
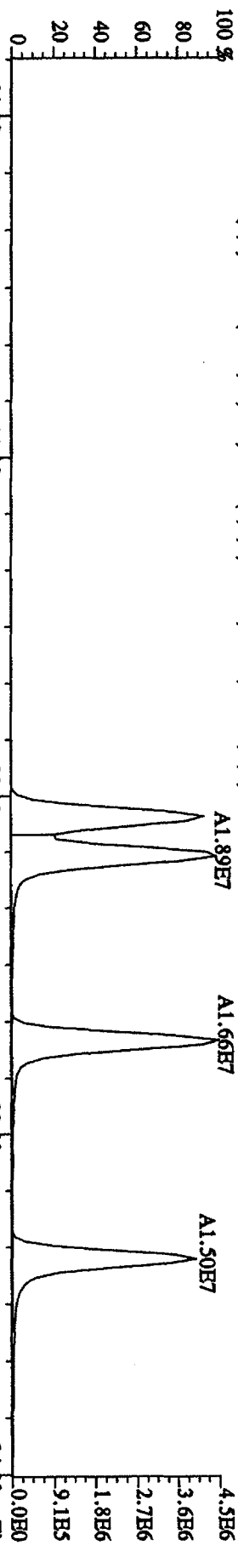
File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC HI + Voltage SIR Autospec-UtimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 357.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1036.0,1.00%,F,T)



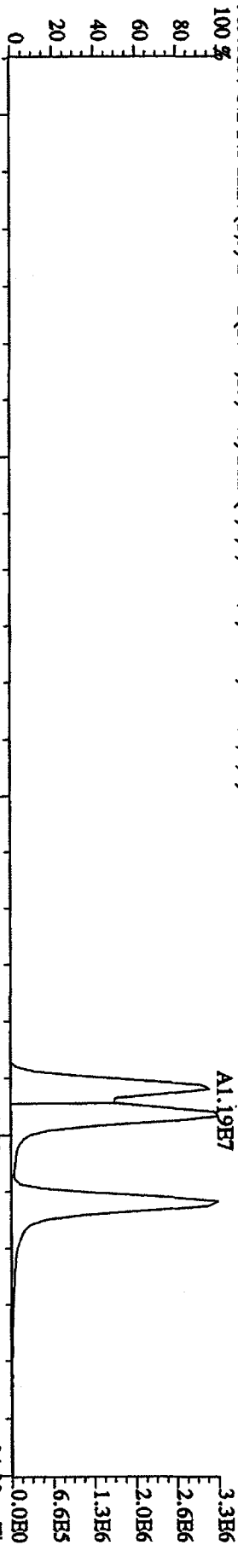
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

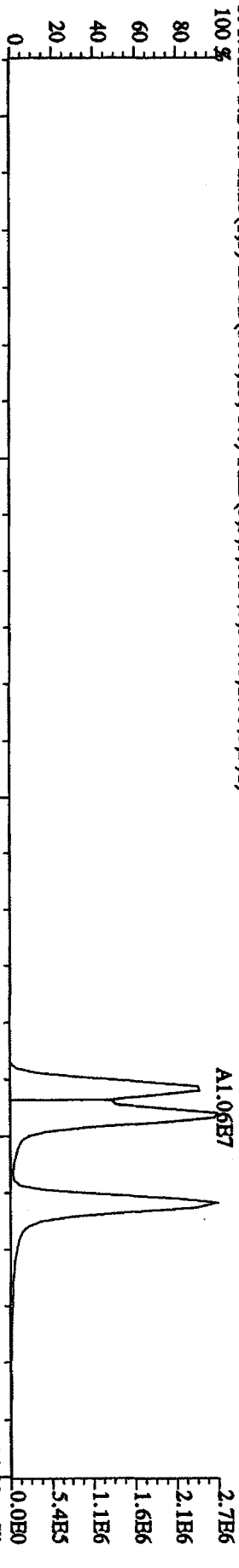
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,720,0,1.00%,F,T)



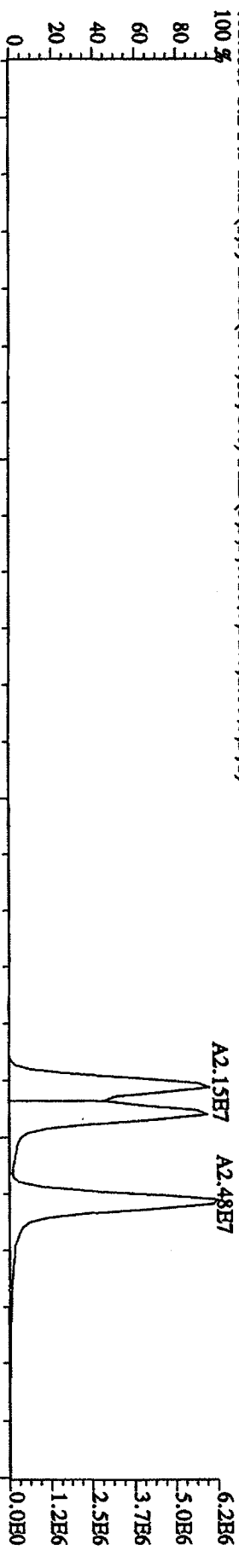
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,588.0,1.00%,F,T) 100 %



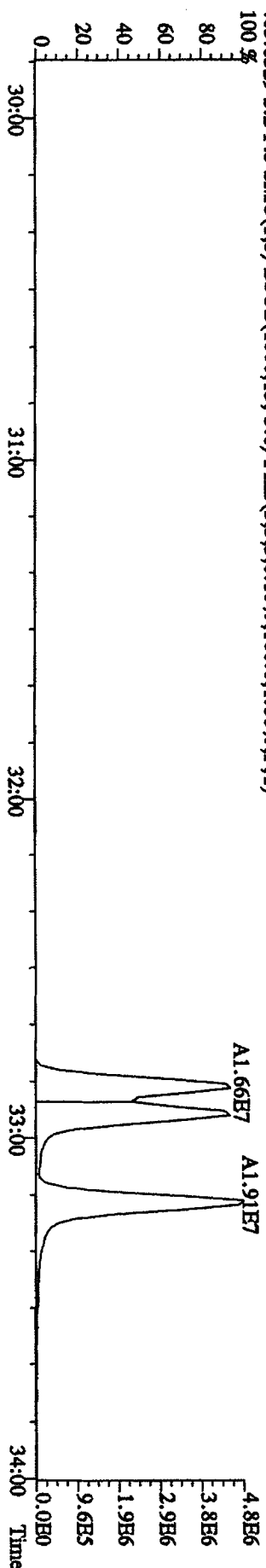
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,348.0,1.00%,F,T) 100 %



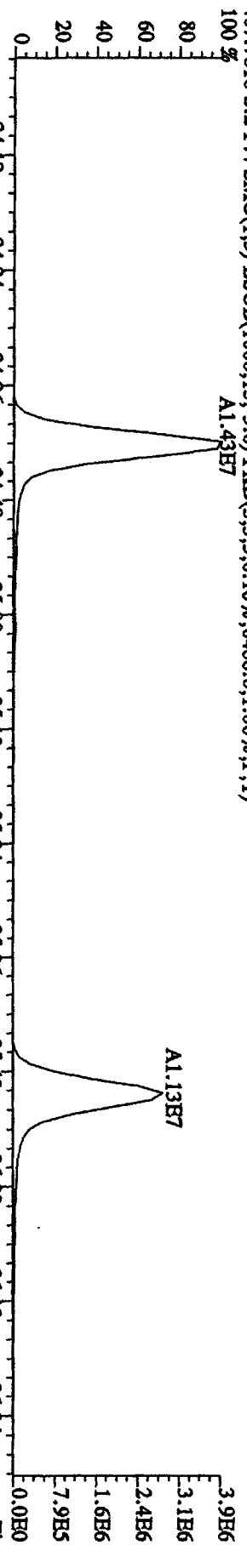
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T) 100 %



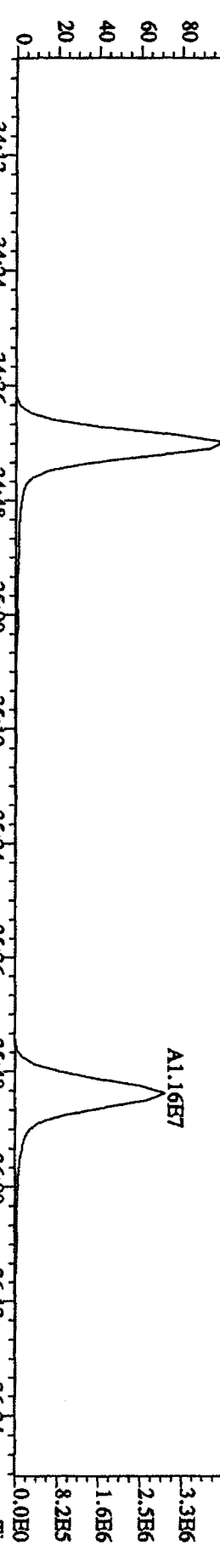
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160.0,1.00%,F,T) 100 %



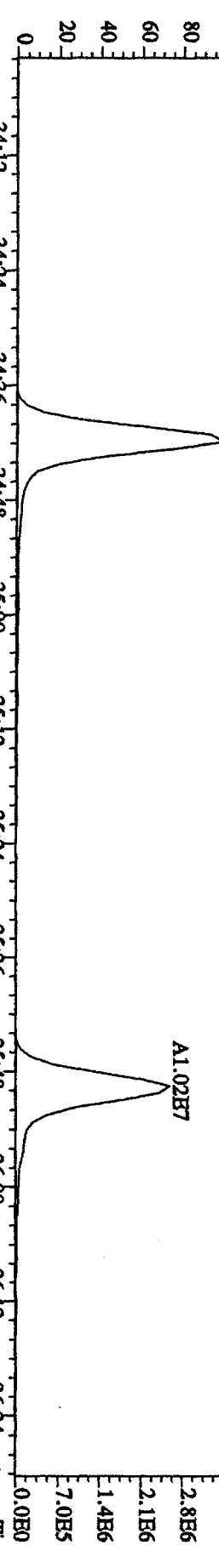
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC BI + Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6488.0,1,100%,F,T)
 100%



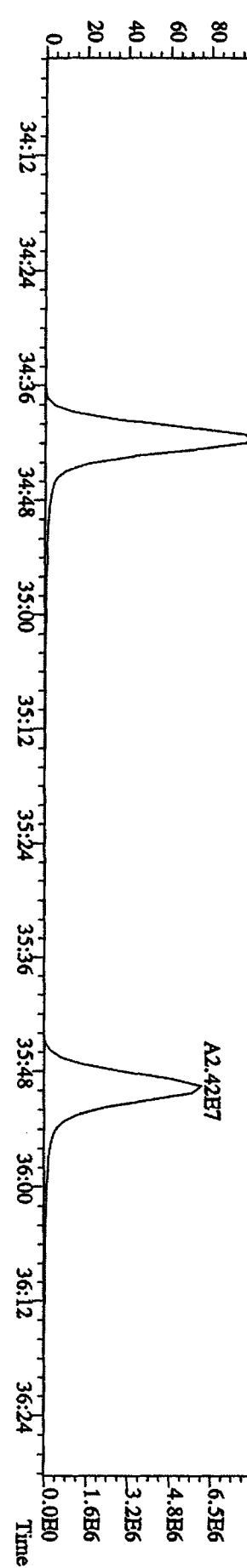
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6956.0,1,100%,F,T)
 100%



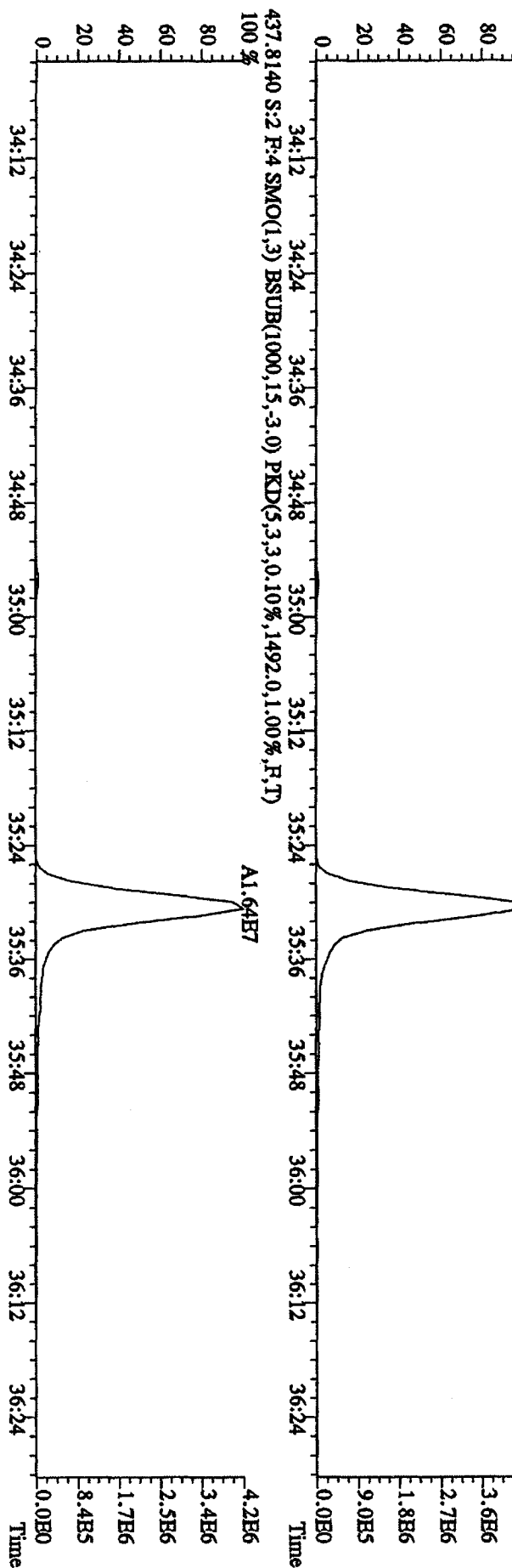
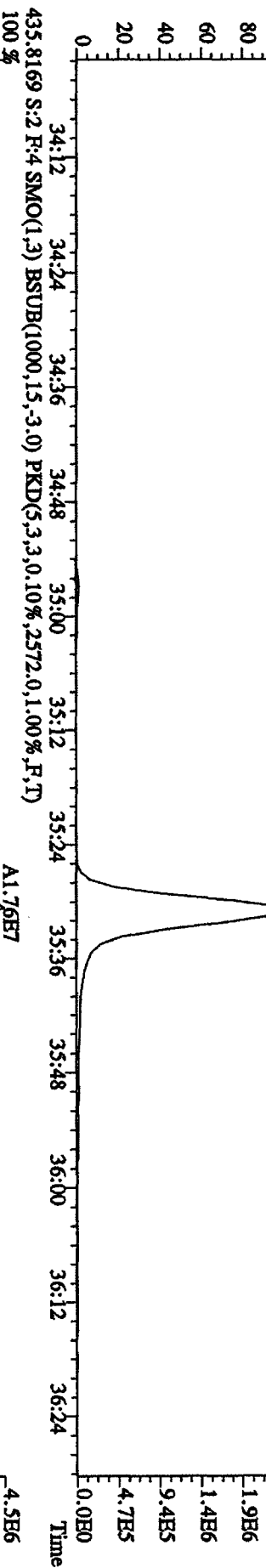
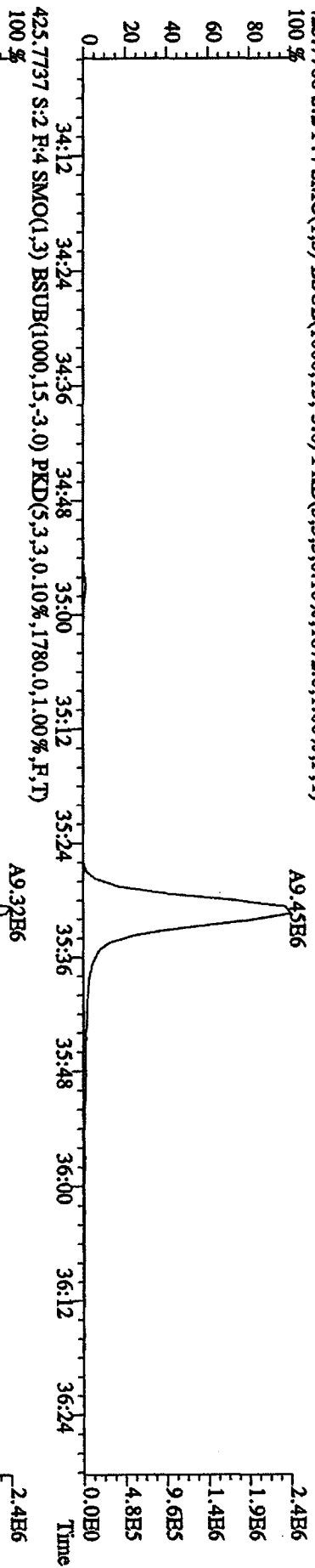
417.8253 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5740.0,1,100%,F,T)
 100%



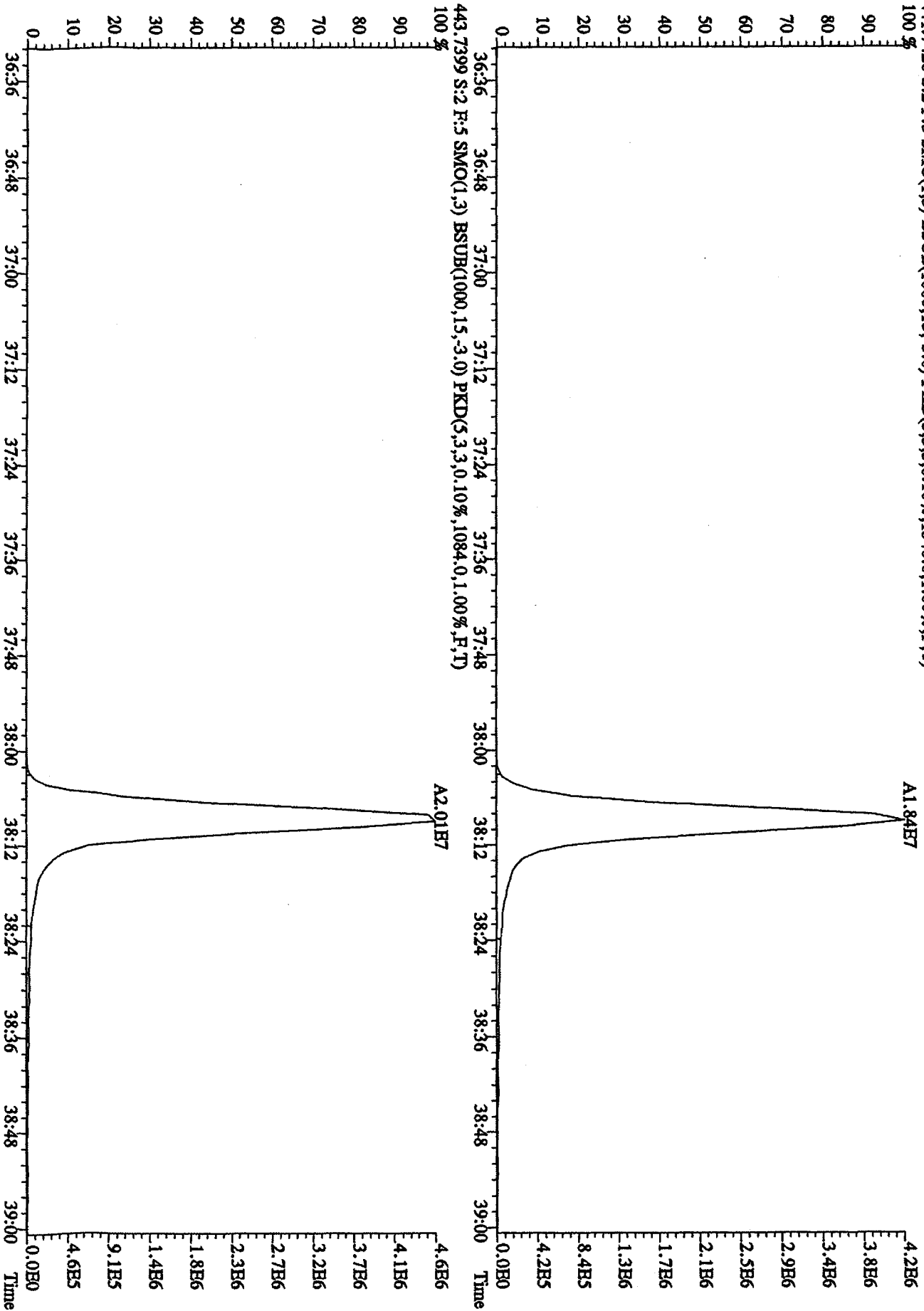
419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15892.0,1,100%,F,T)
 100%



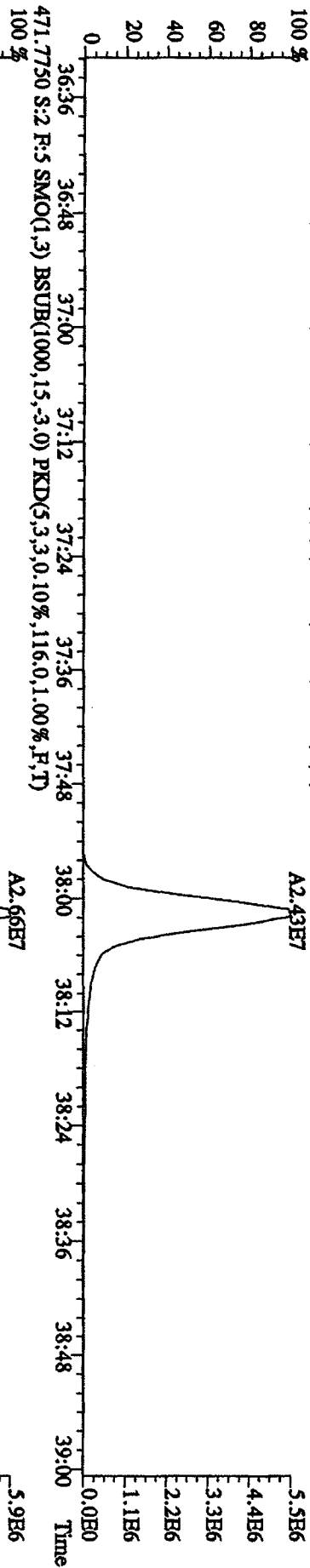
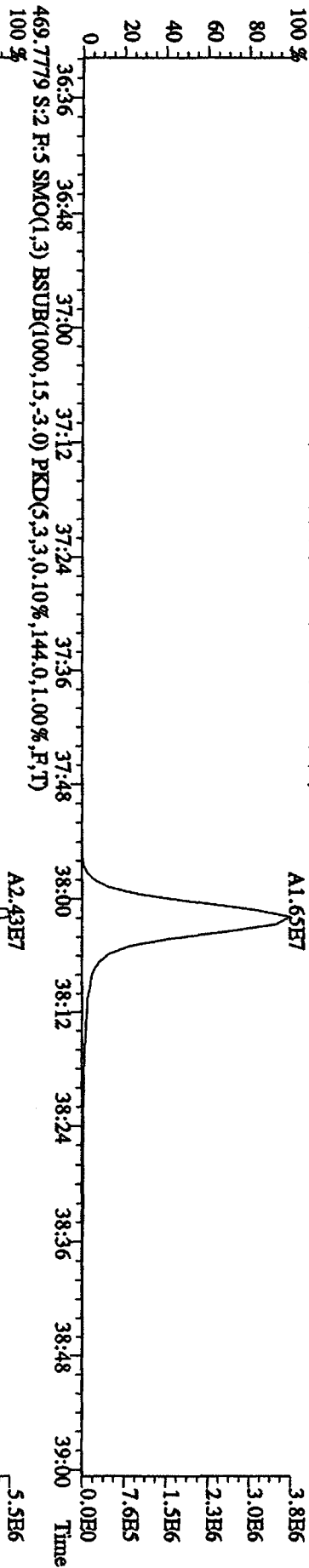
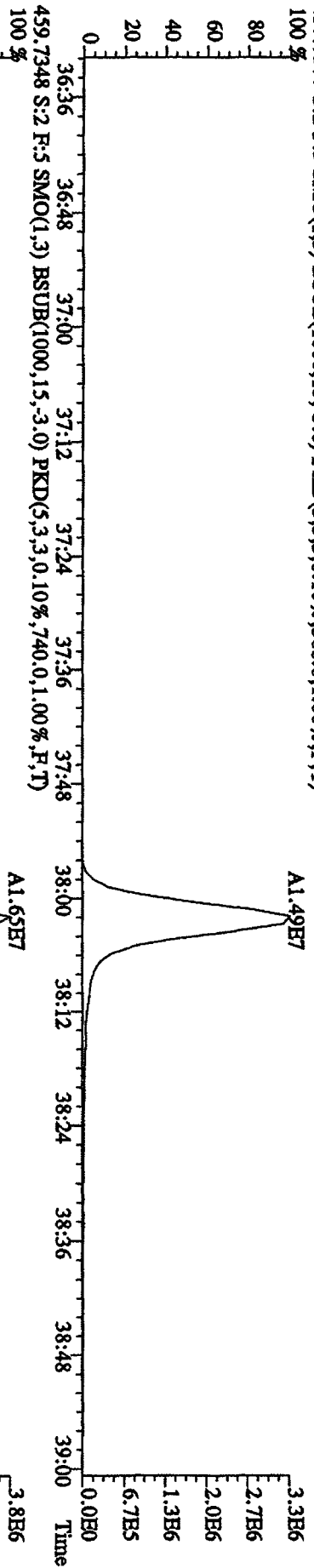
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 423.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1872.0,1.00%,F,T)



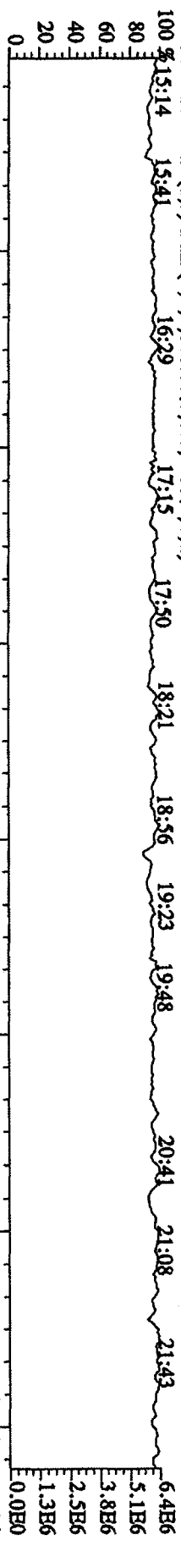
File: 12AP104D5 #1-191 Acq: 12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1340,0,1,100%,F,T)
 100 %



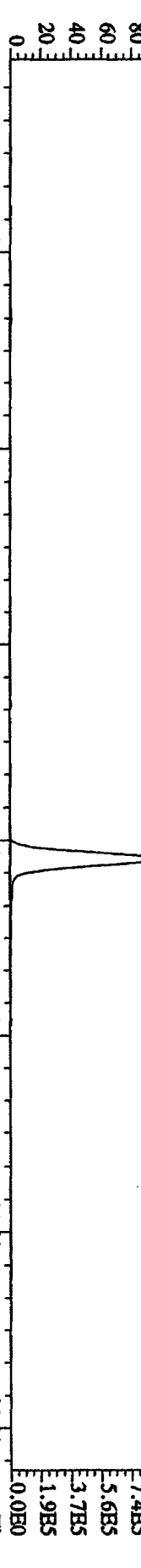
File: 12AP104D5 #1-191 Acq: 12-APR-2010 09:14:17 GC HI + Voltage SIR Autospec-UltimaB
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,568.0,1.00%,F,T)



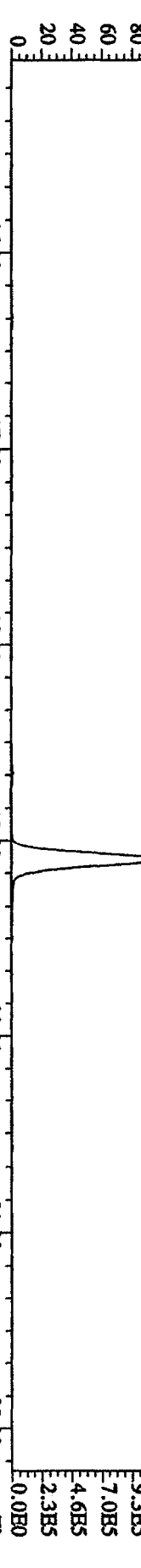
File: 12AP104D5 #1-435 Acq: 12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A
 354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 15:14 15:41 16:29 17:15 17:50 18:21 18:56 19:23 19:48 20:41 21:08 21:43



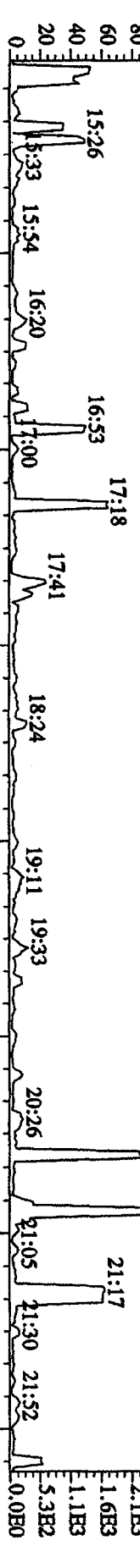
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1208.0,1.00%,F,T)
 100 %
 9.3B5
 7.4B5
 5.6B5
 3.7B5
 1.9B5
 0.0B0



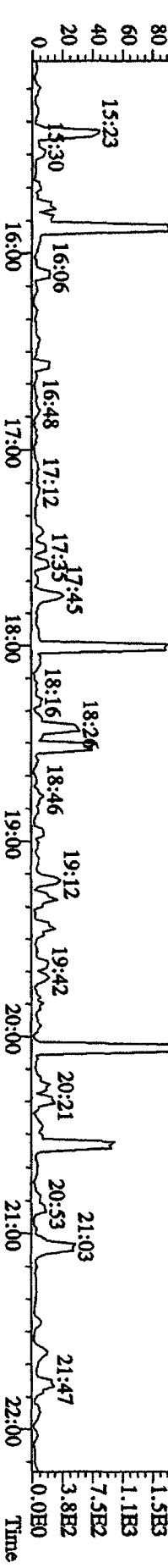
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740.0,1.00%,F,T)
 100 %
 1.2B6
 9.3B5
 7.0B5
 4.6B5
 2.3B5
 0.0B0



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

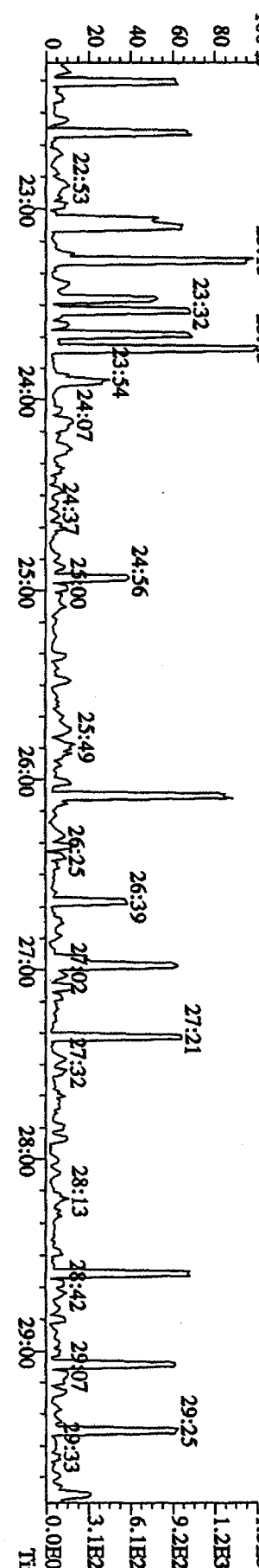
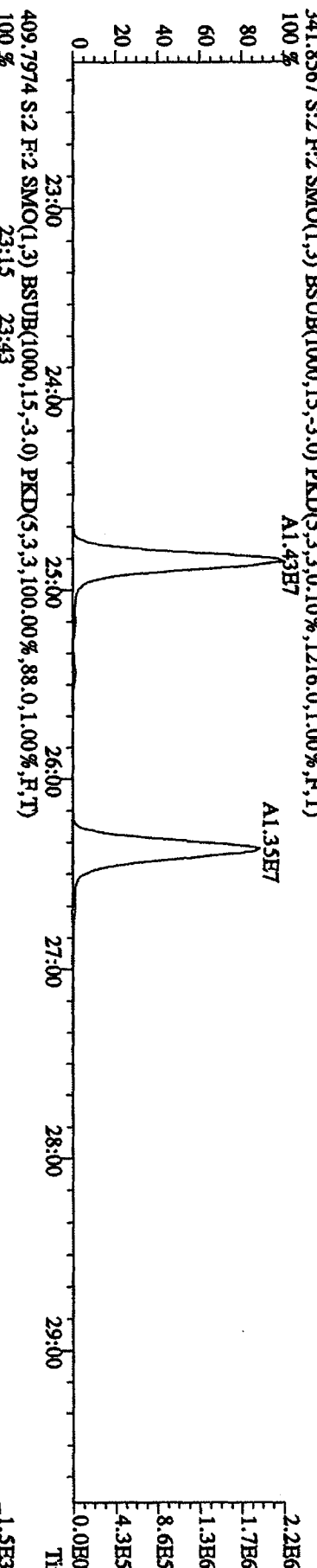
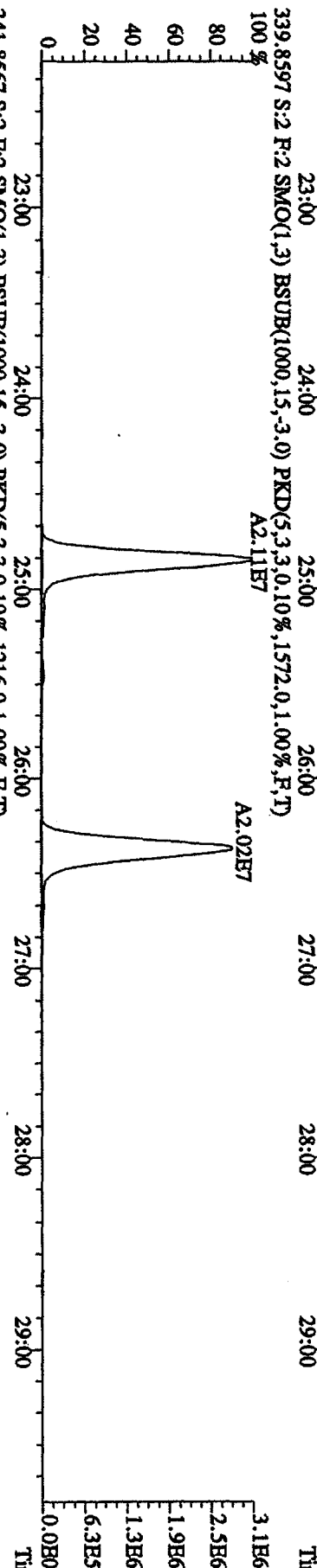
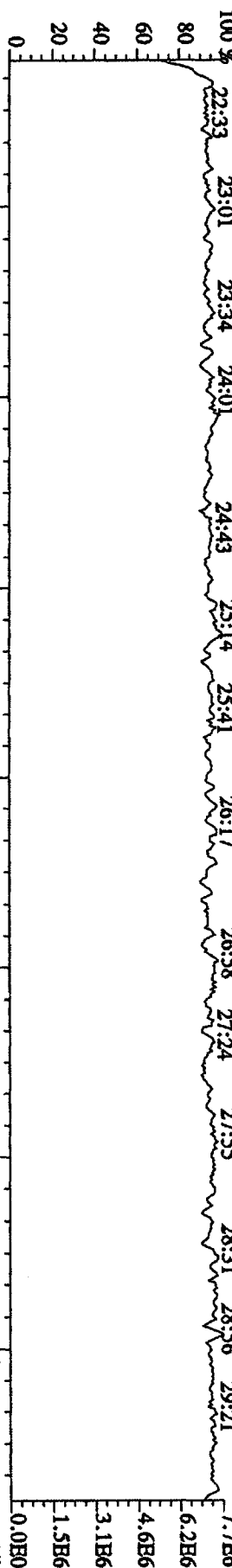


409.7974 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,76.0,1.00%,F,T)
 100 %
 1.9B3
 1.5B3
 1.1B3
 7.5B2
 3.8B2
 0.0B0

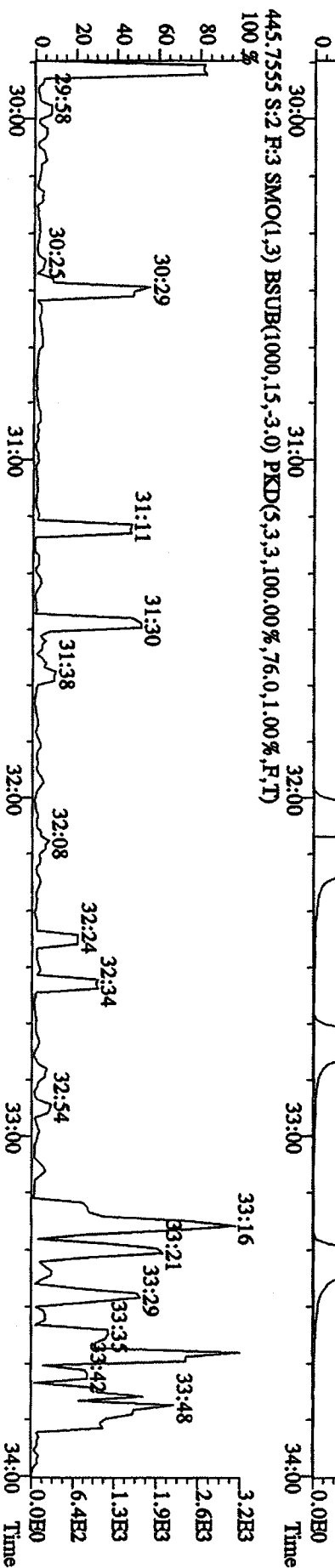
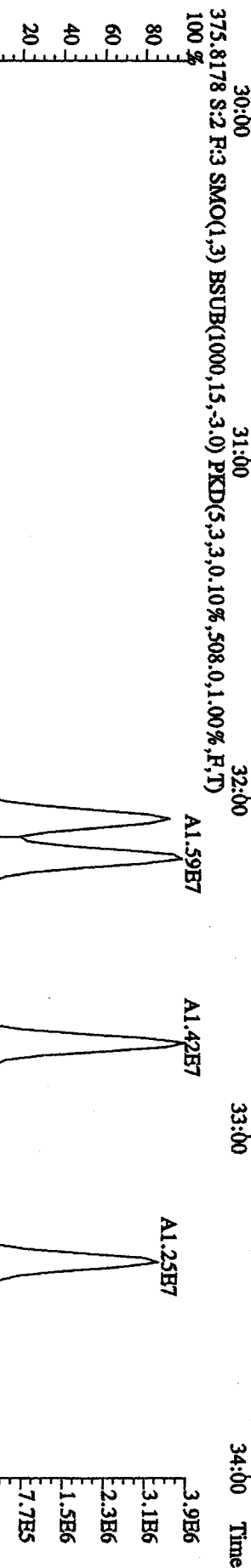
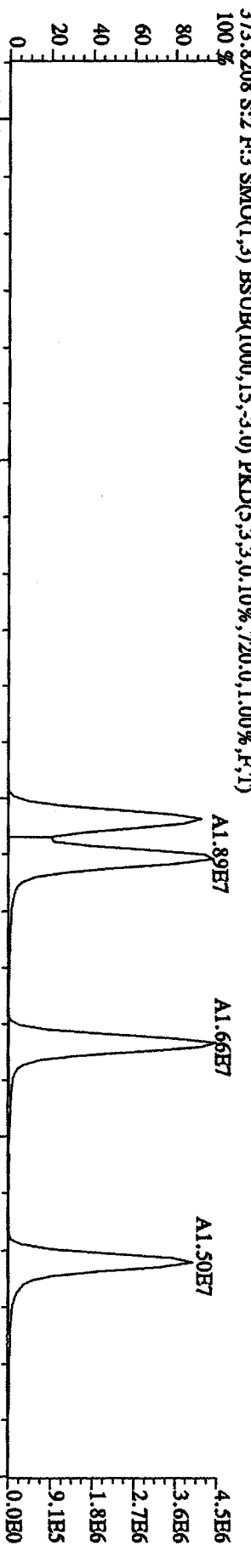
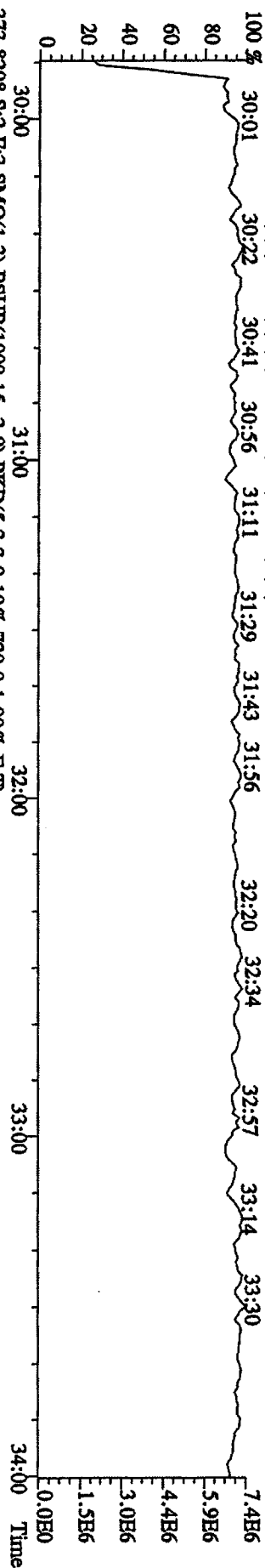


File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UltimaE

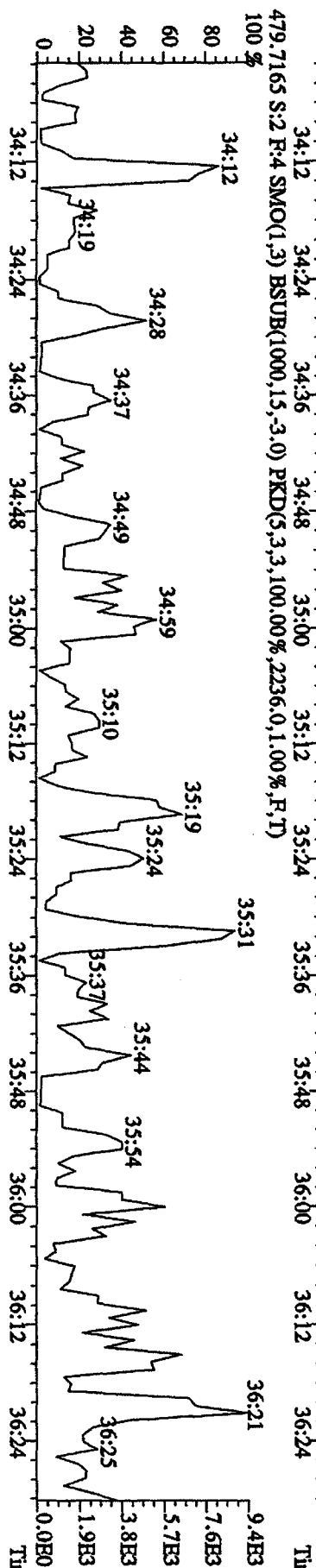
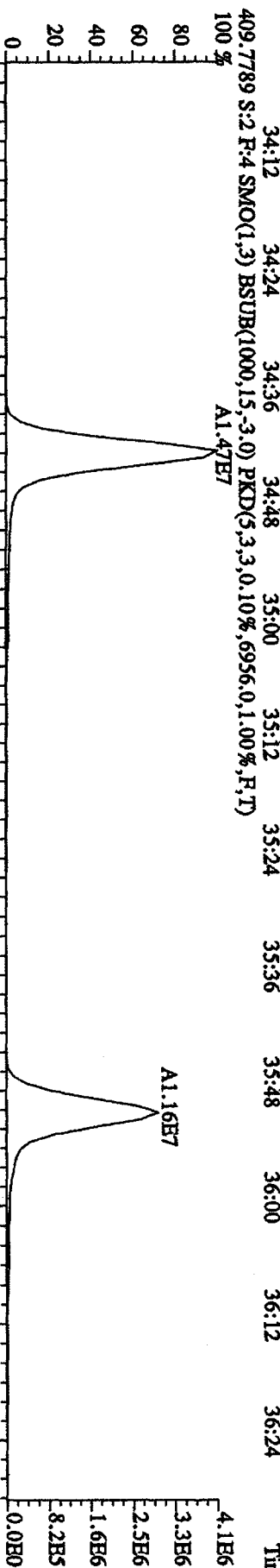
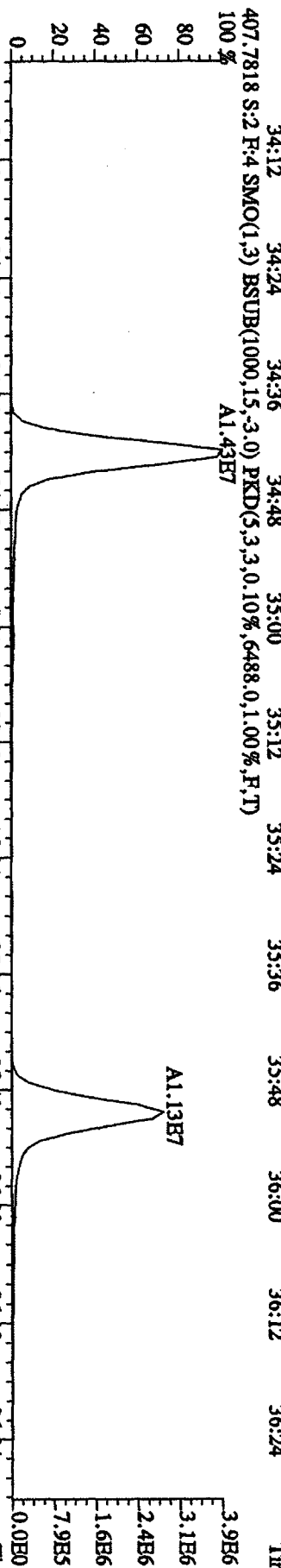
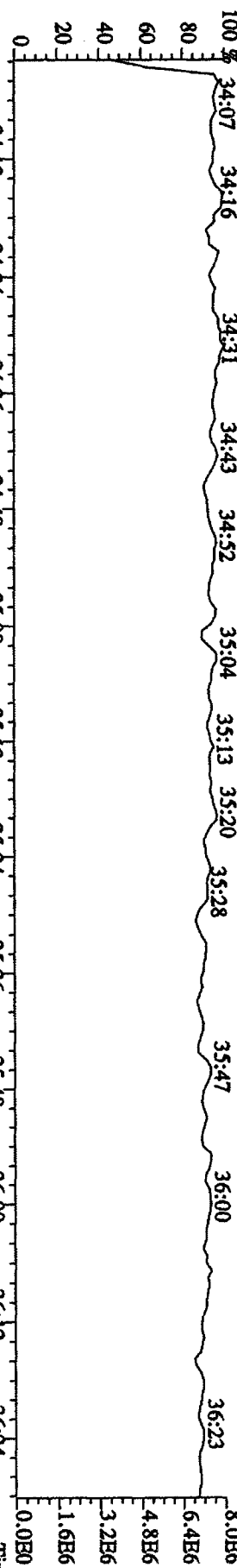
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



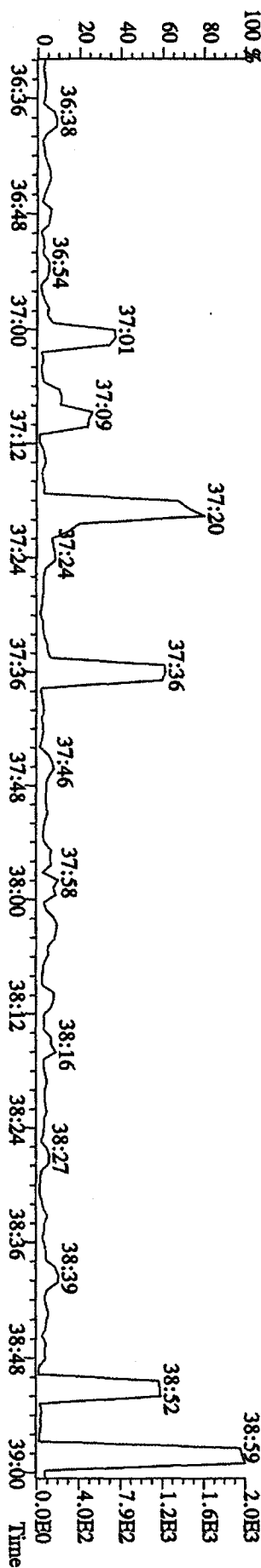
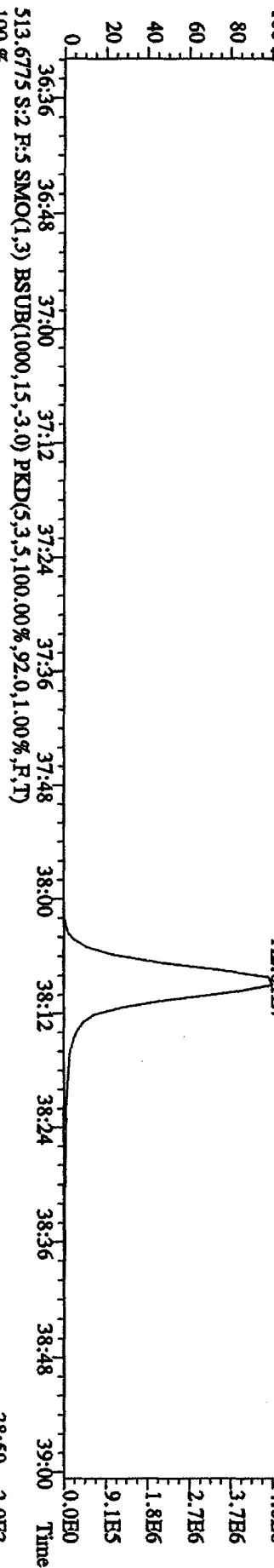
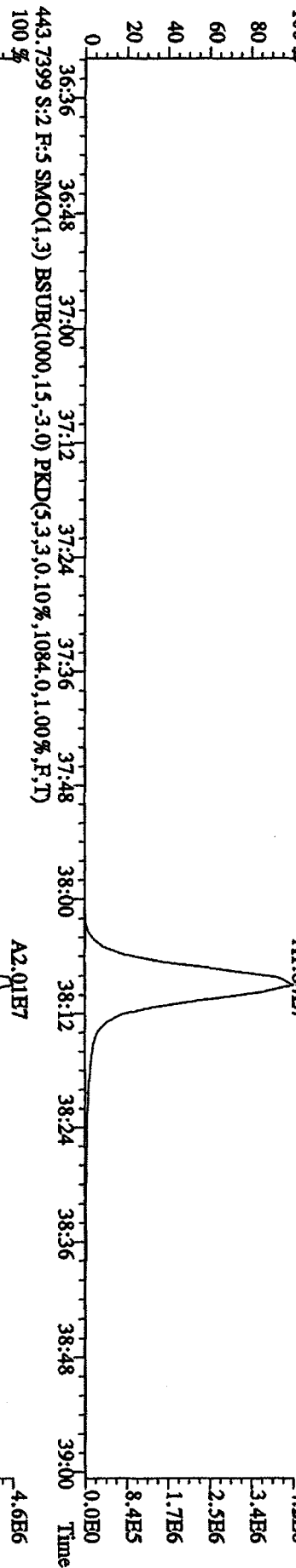
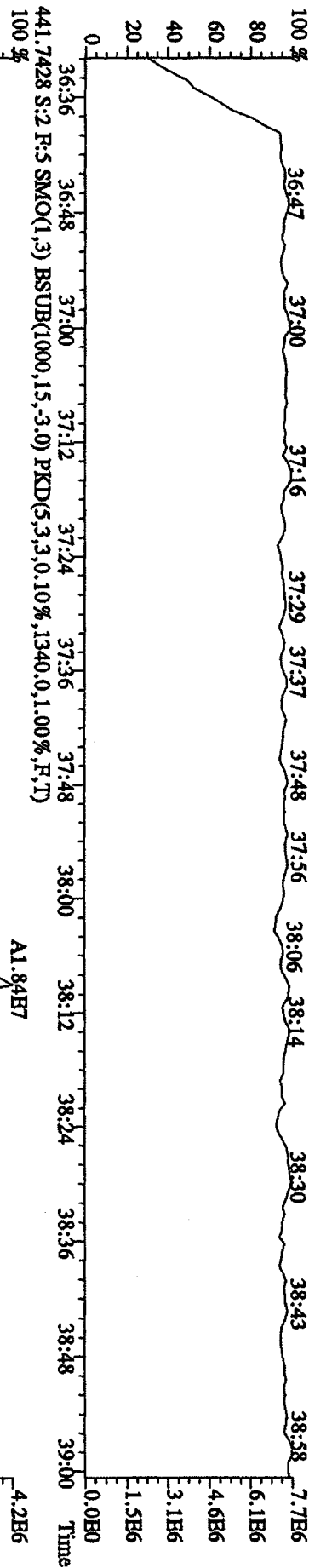
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC:EI+ Voltage:SIDR Autospec-Ultimate
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 430.9728 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 30:01 30:22 30:41 30:56 31:11 31:29 31:43 31:56 32:20 32:34 32:57 33:14 33:30



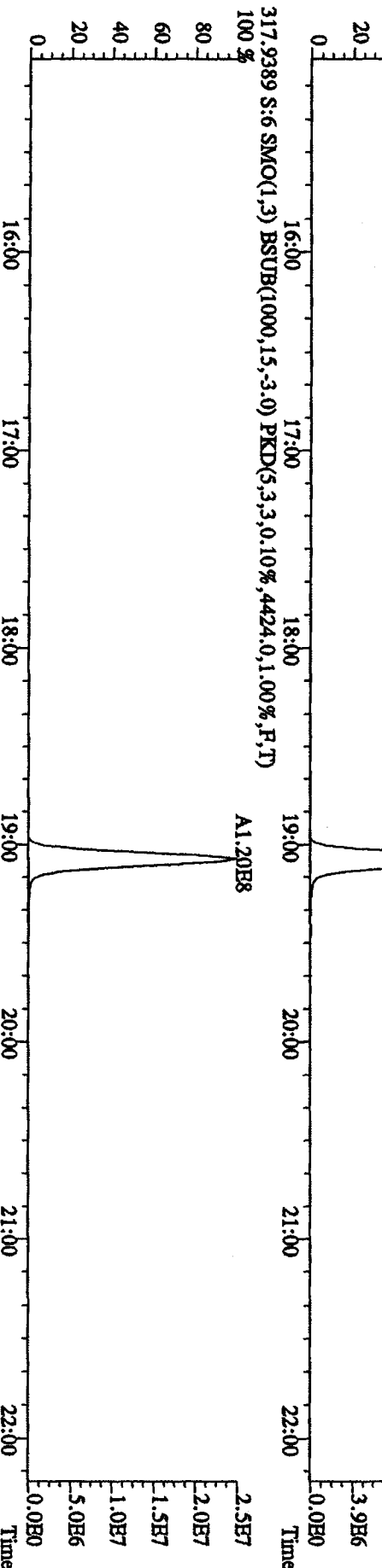
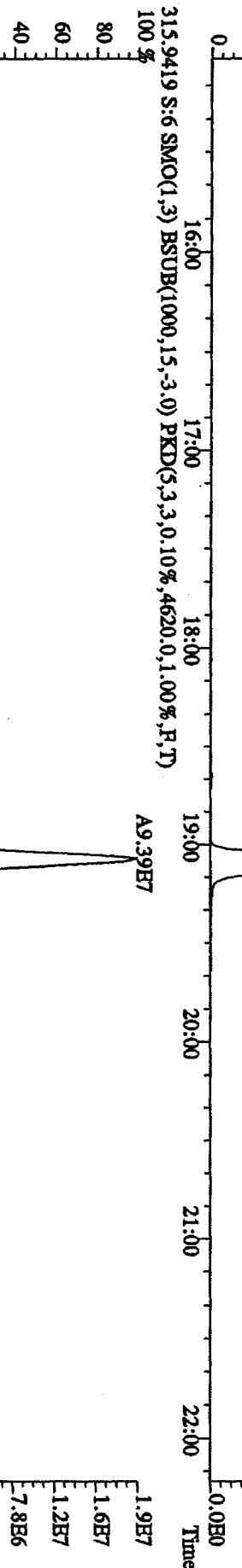
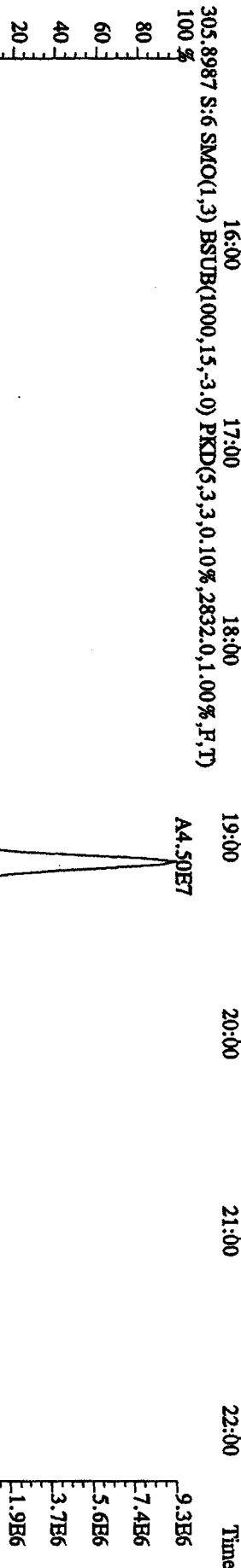
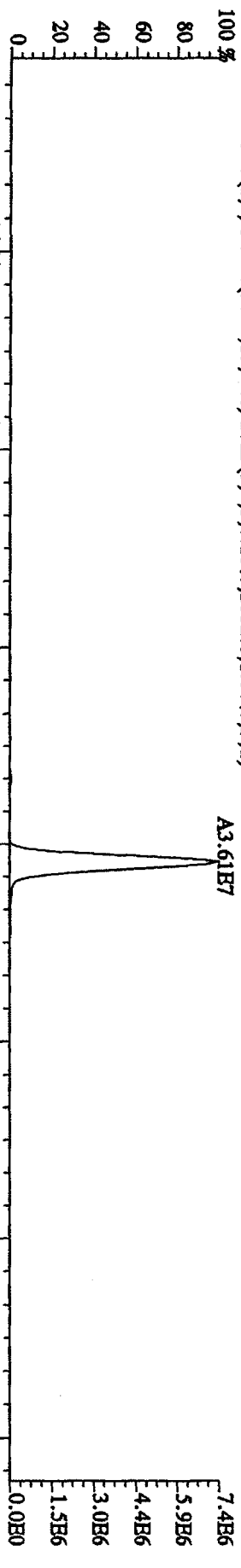
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:STD0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



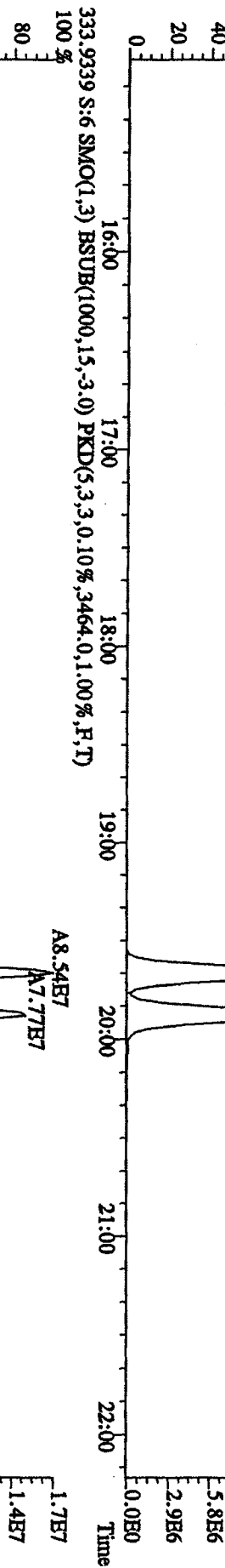
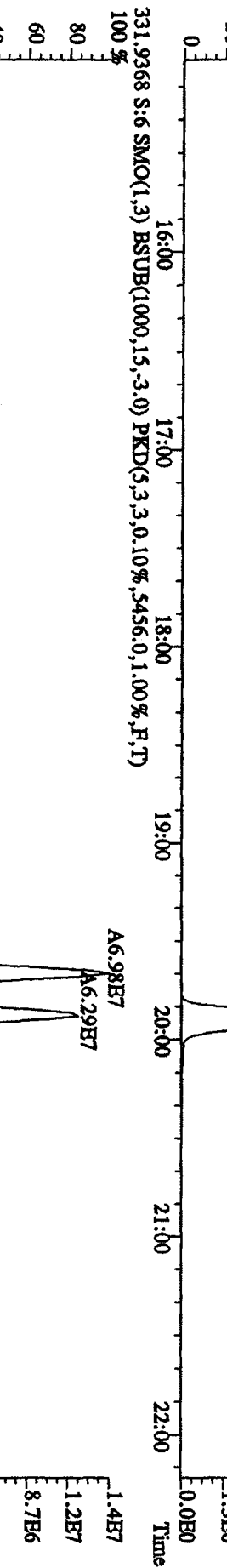
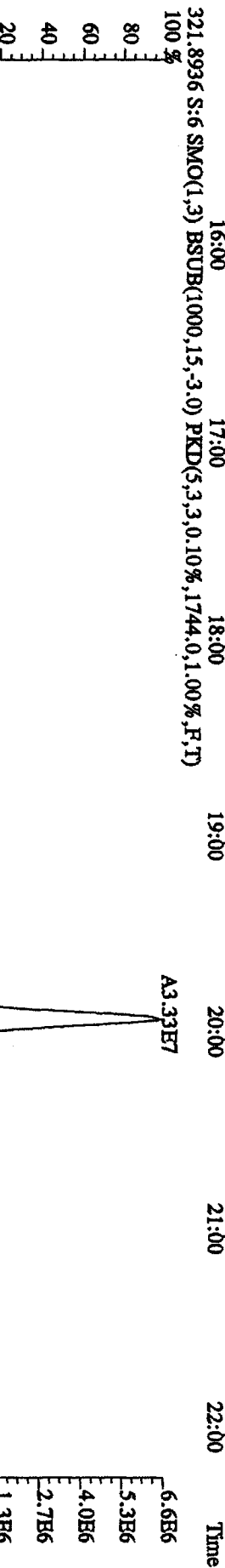
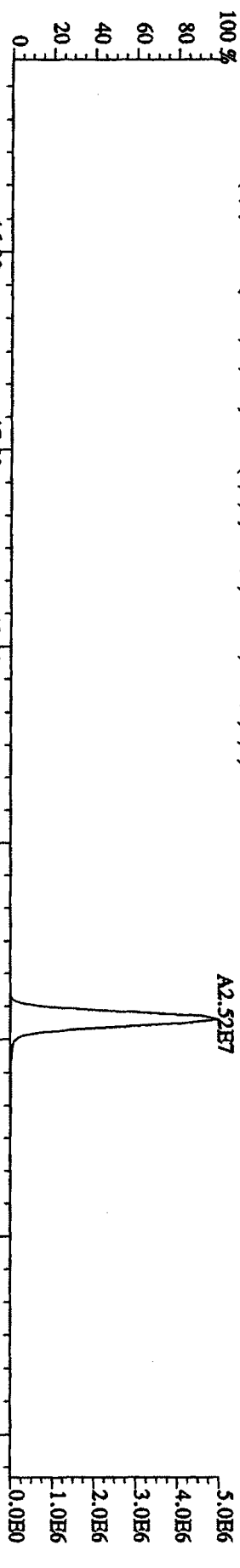
File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UtimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100%



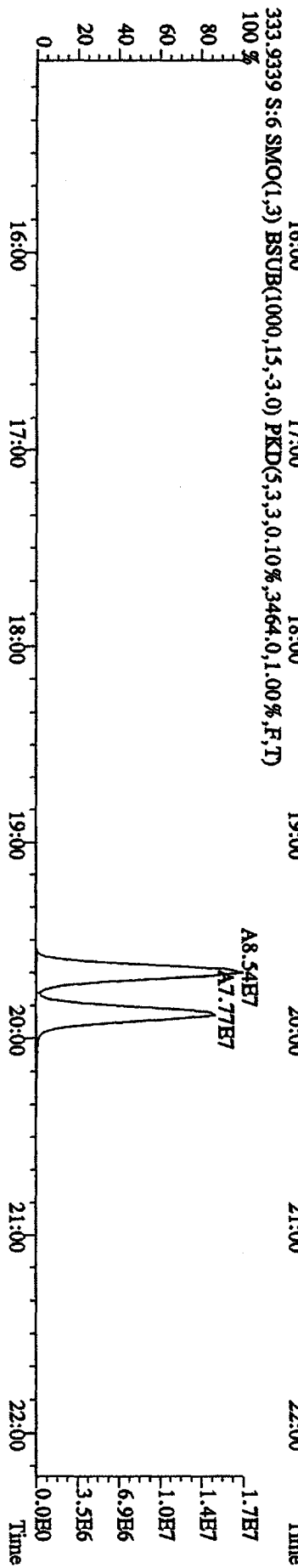
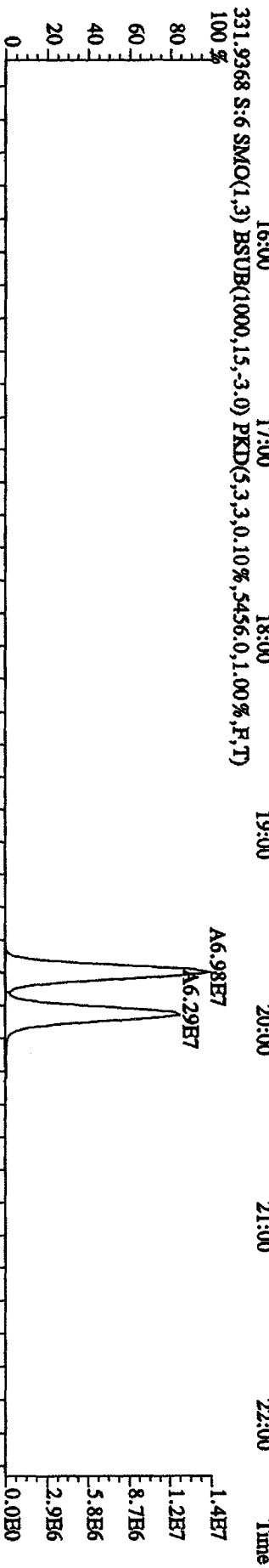
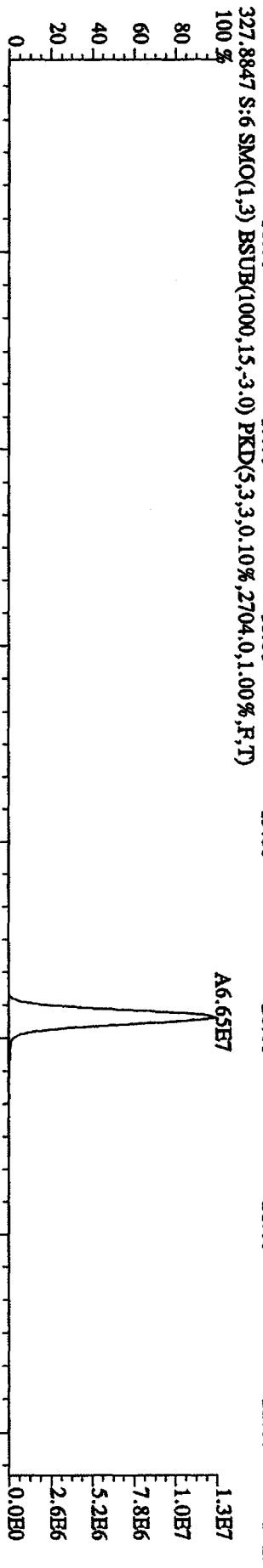
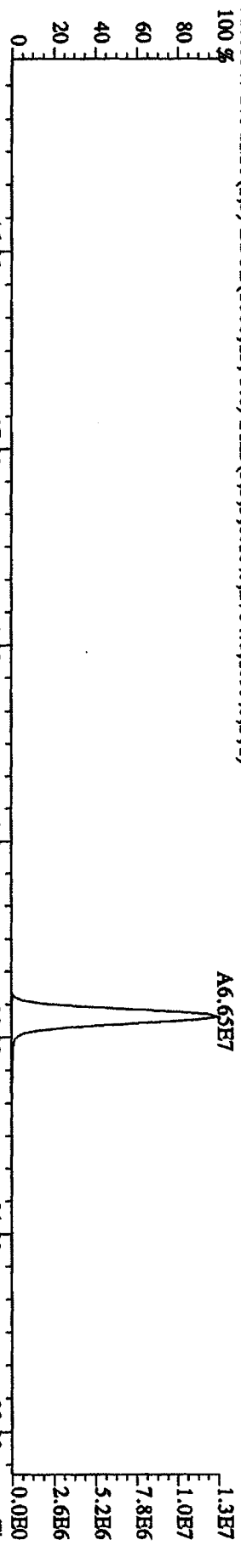
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC FI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2052.0,1.00%,F,T)



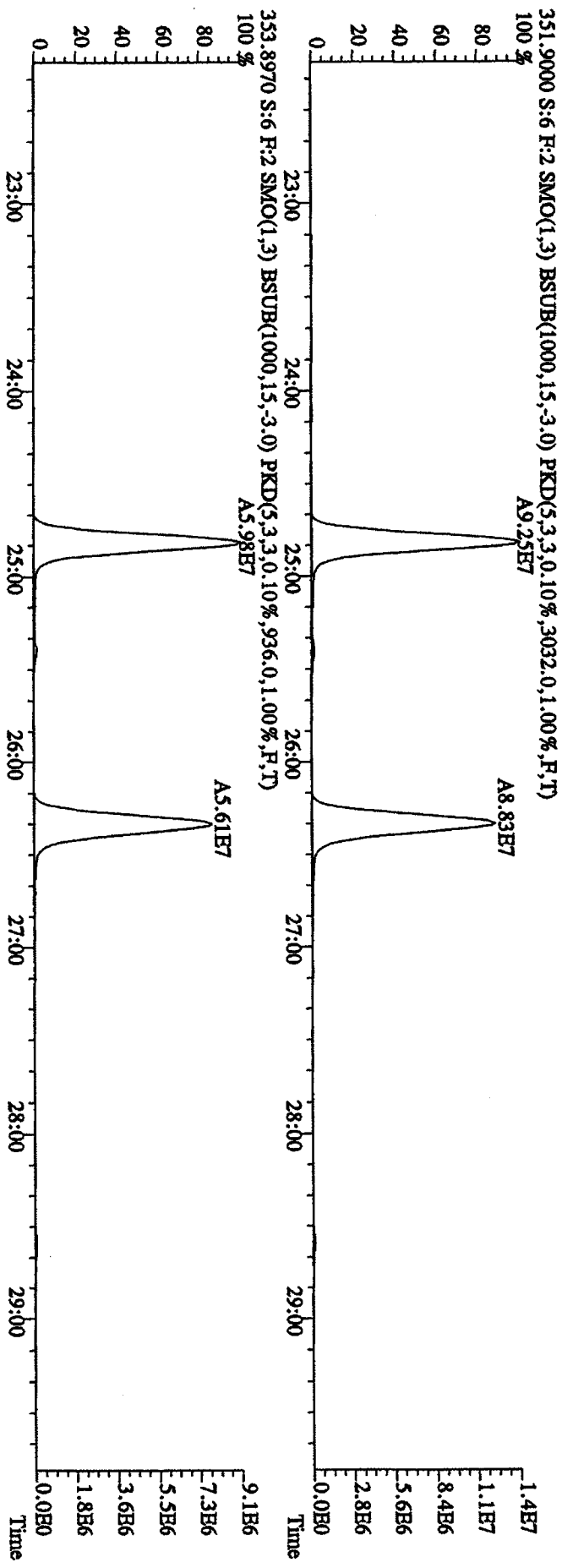
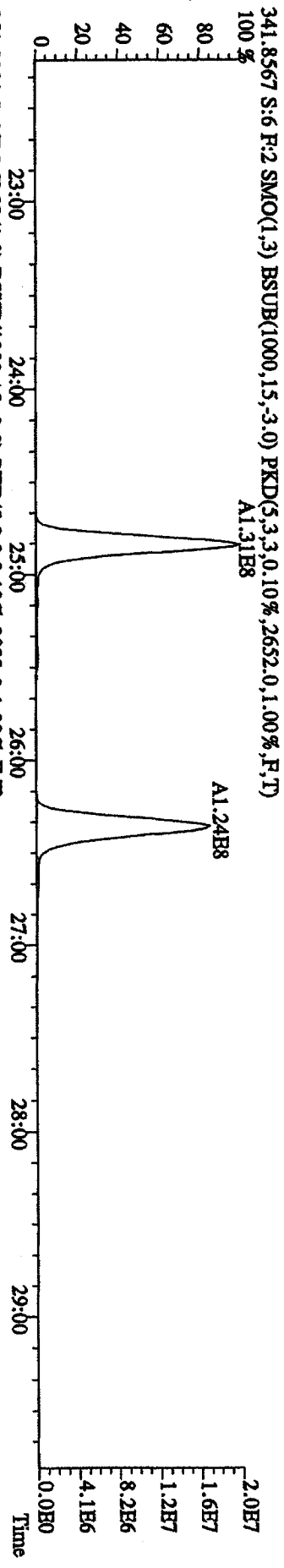
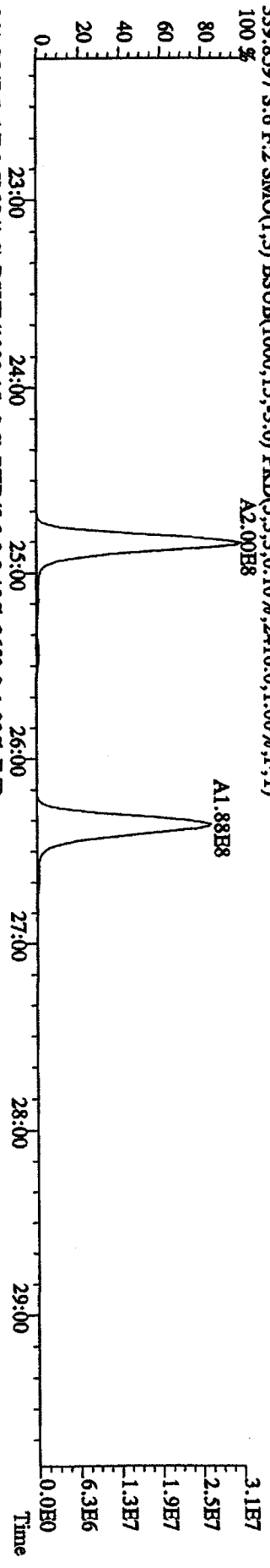
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC HF+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS 4 09DXN426 Exp:DIOXINRES8290A
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1540.0,1.00%,F,T)



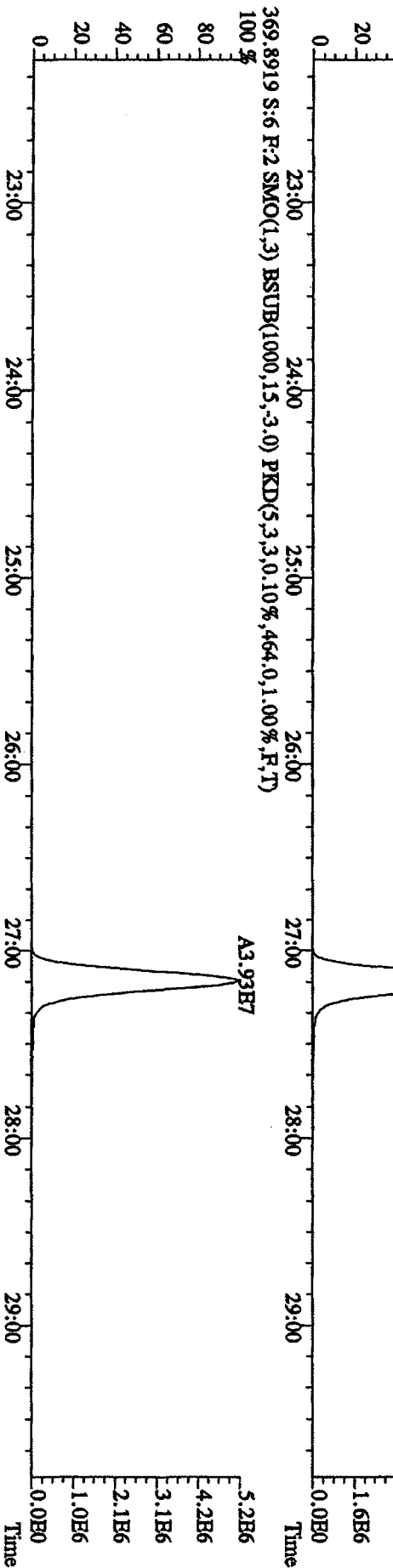
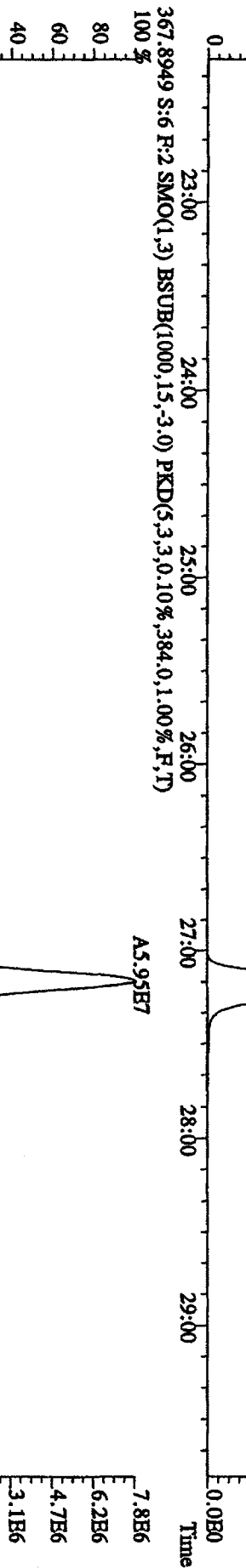
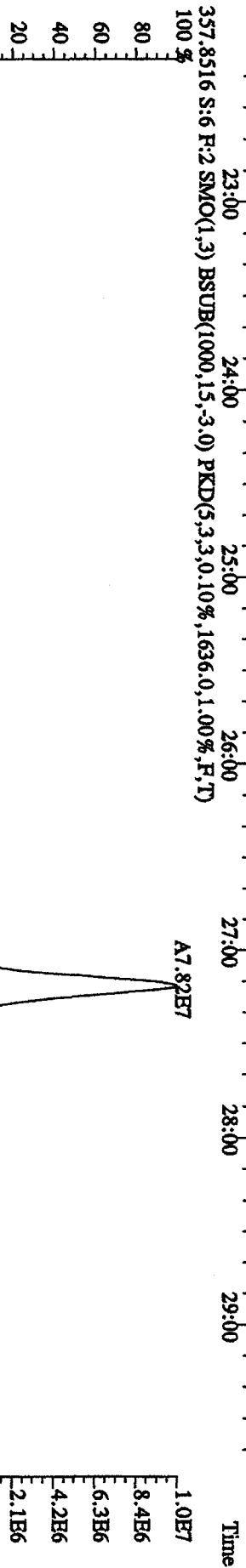
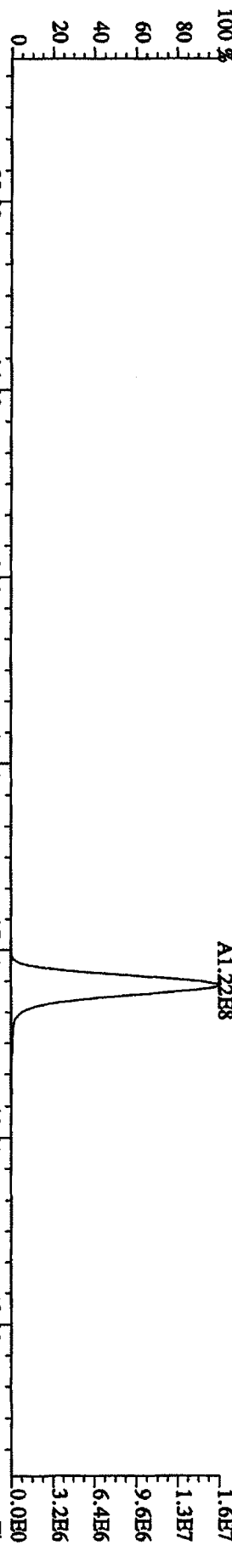
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2704,0,1.00%,F,T)
 100 %



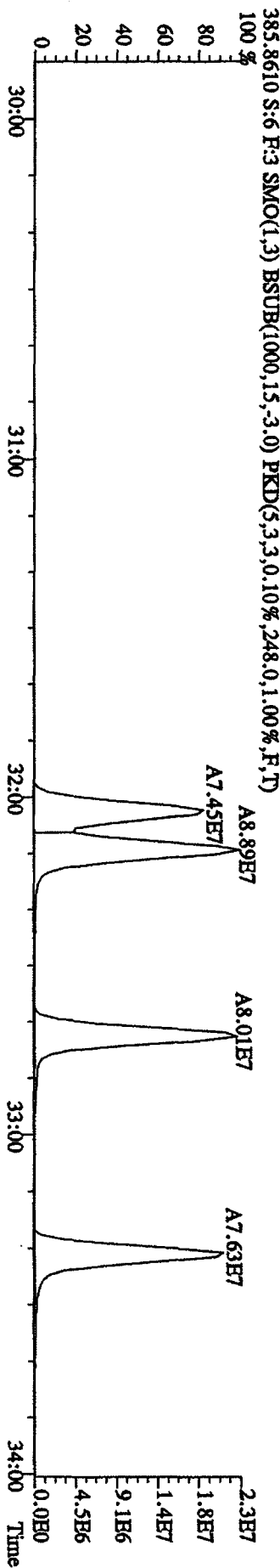
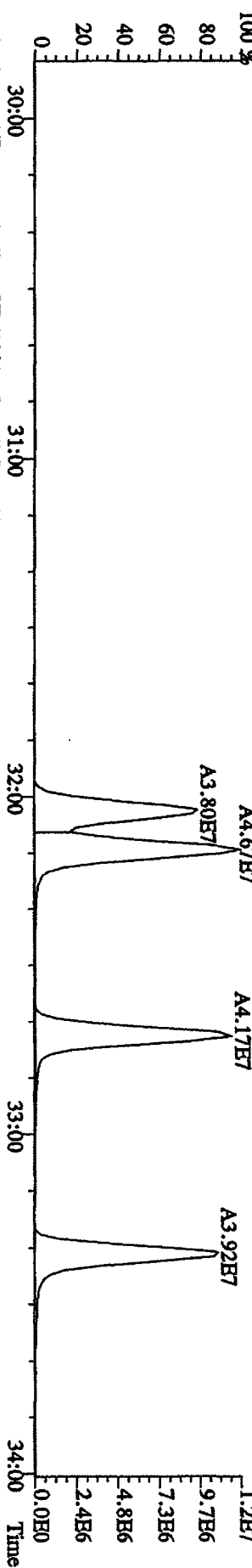
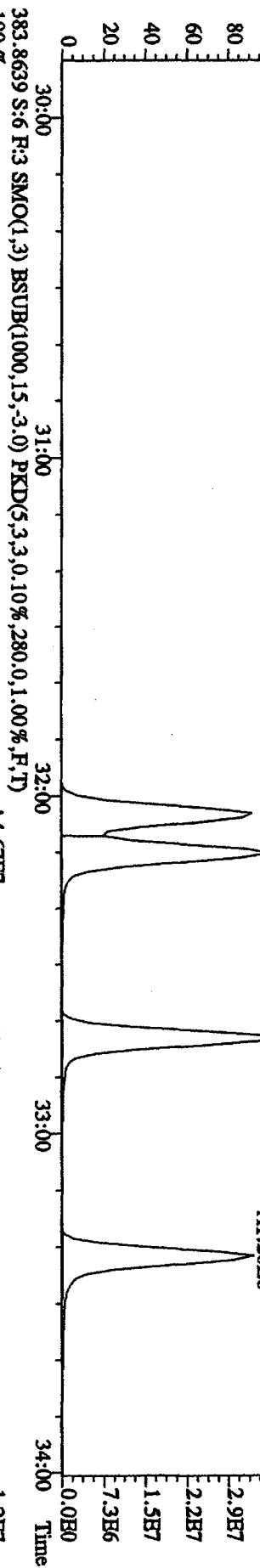
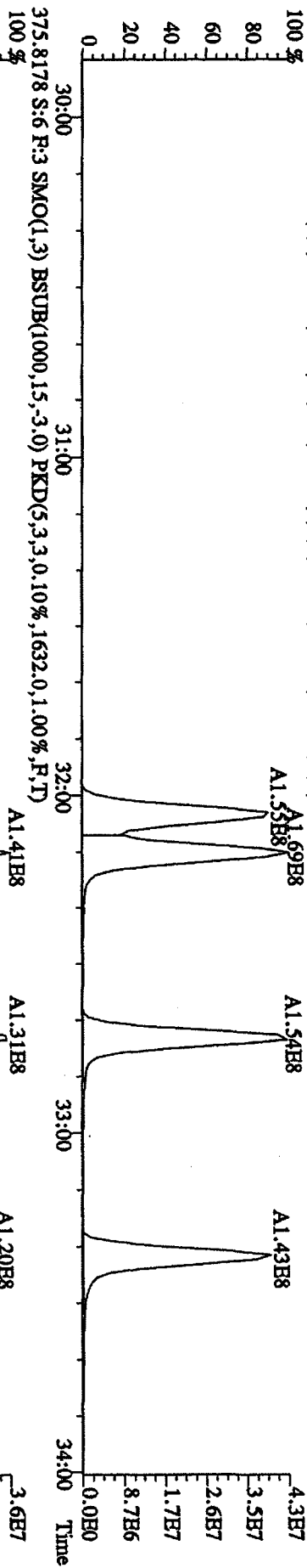
File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2416.0,1.00%,F,T)
 A2.00E8



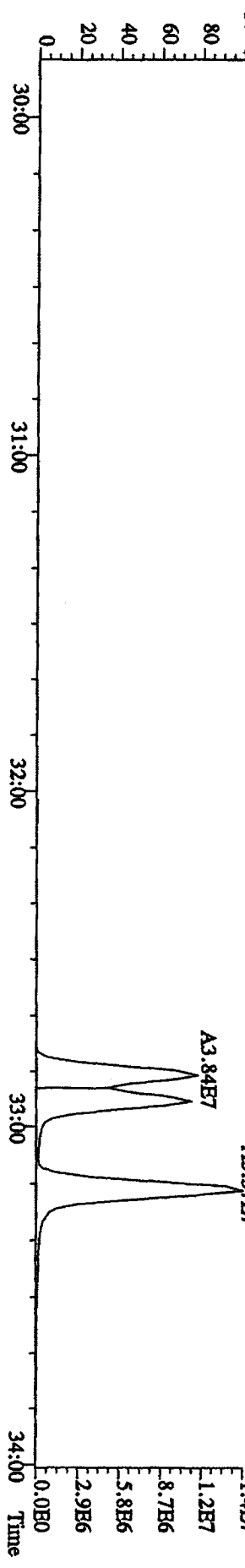
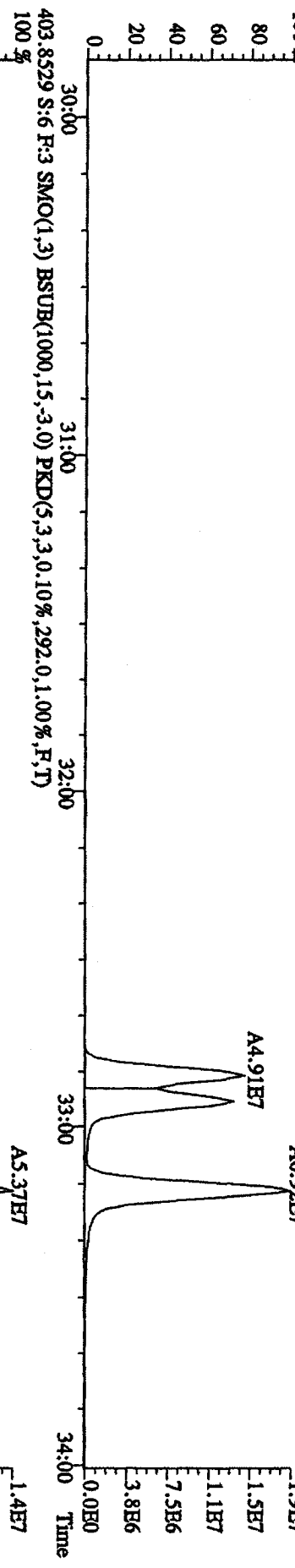
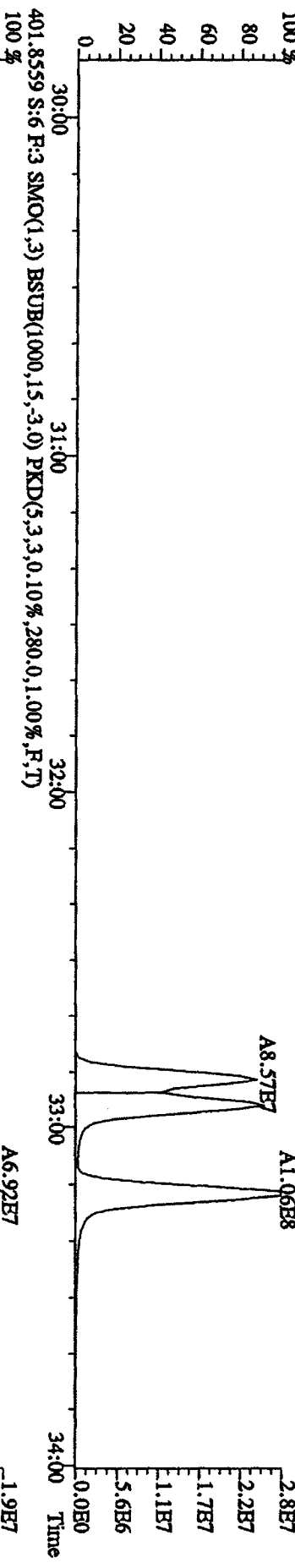
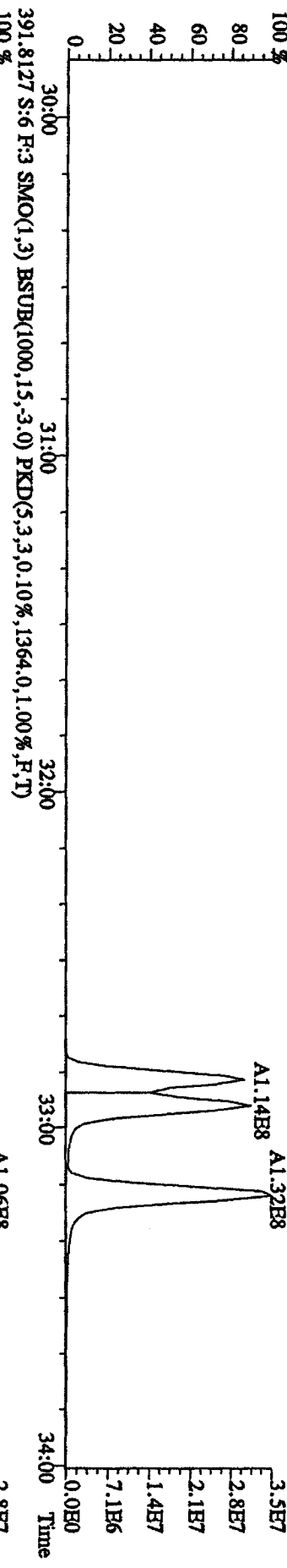
File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2816.0,1.00%,F,T)



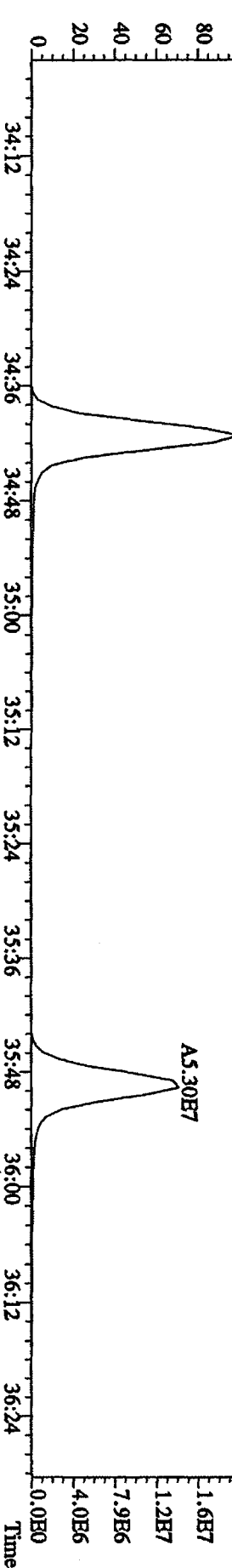
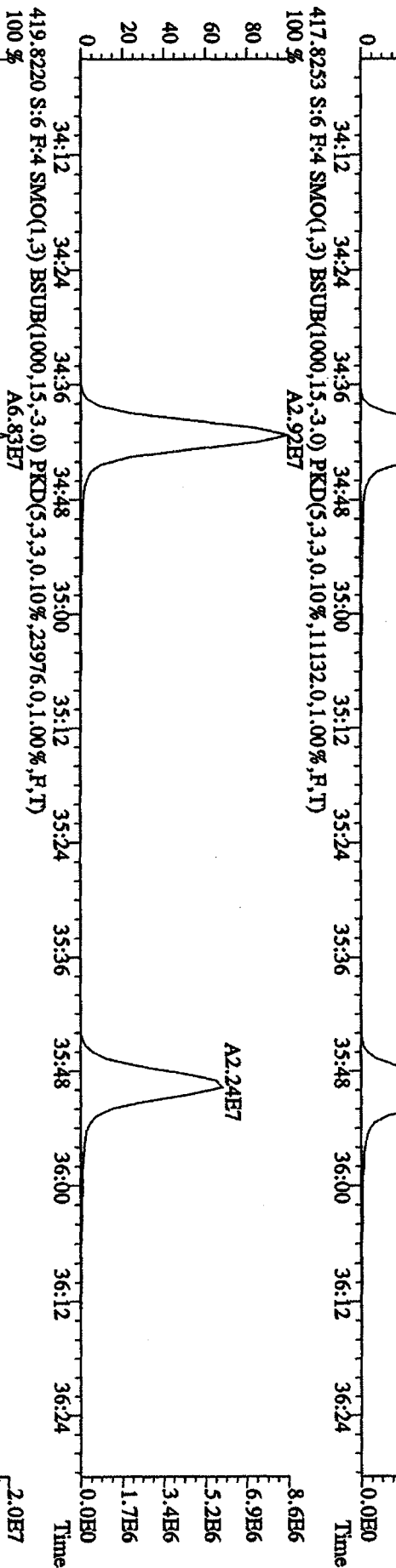
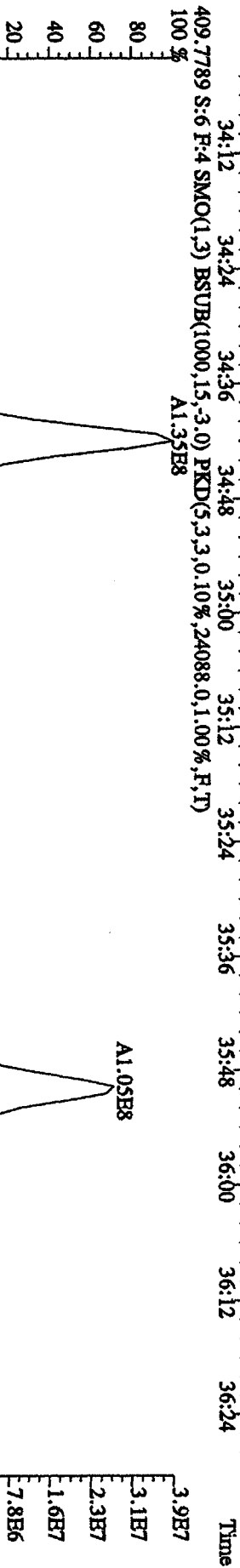
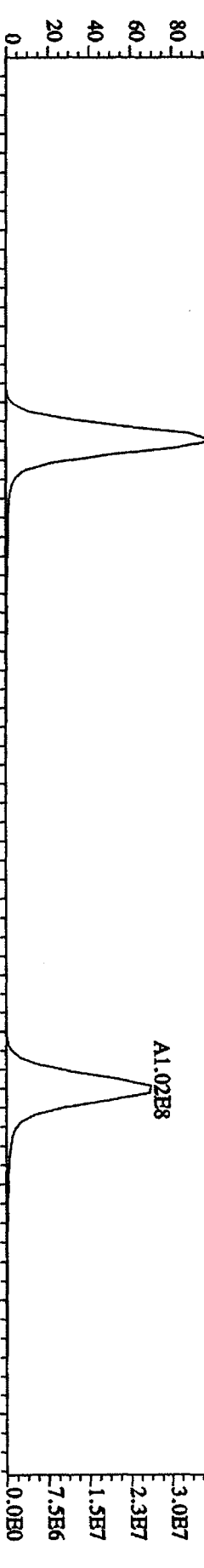
File: 12AP104D5 #1-317 Acq: 12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2520,0,1,1.00%,F,T)



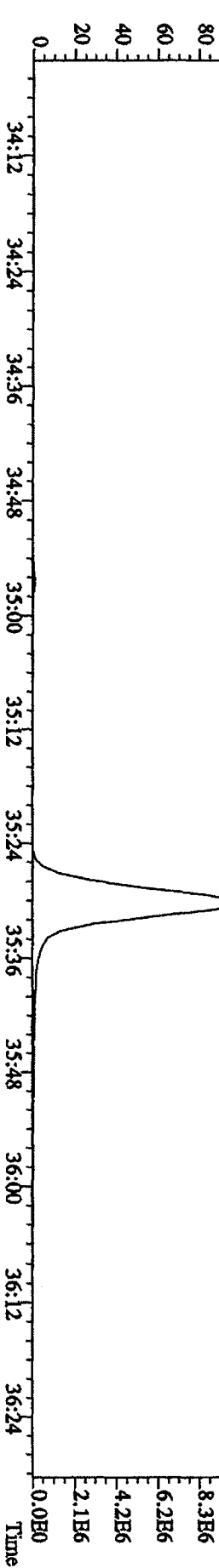
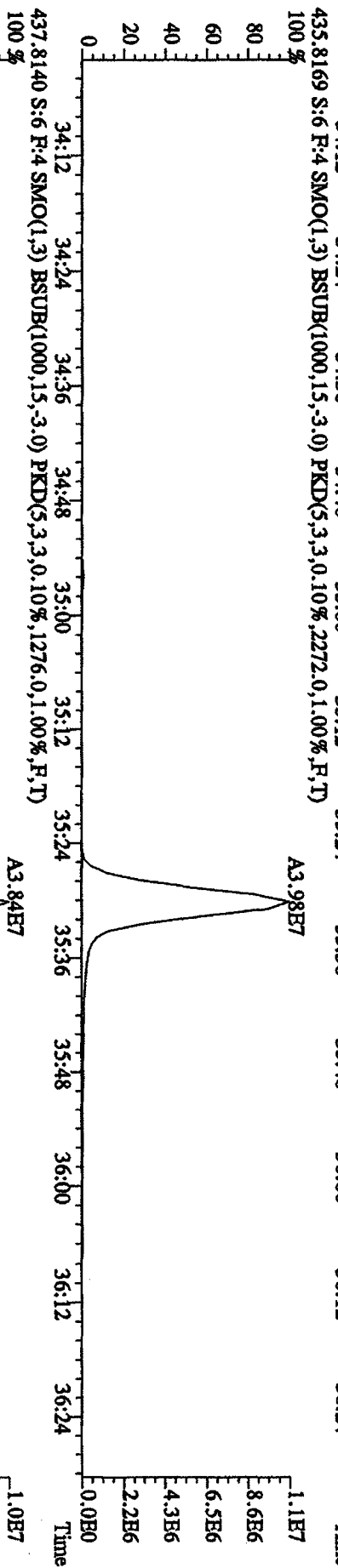
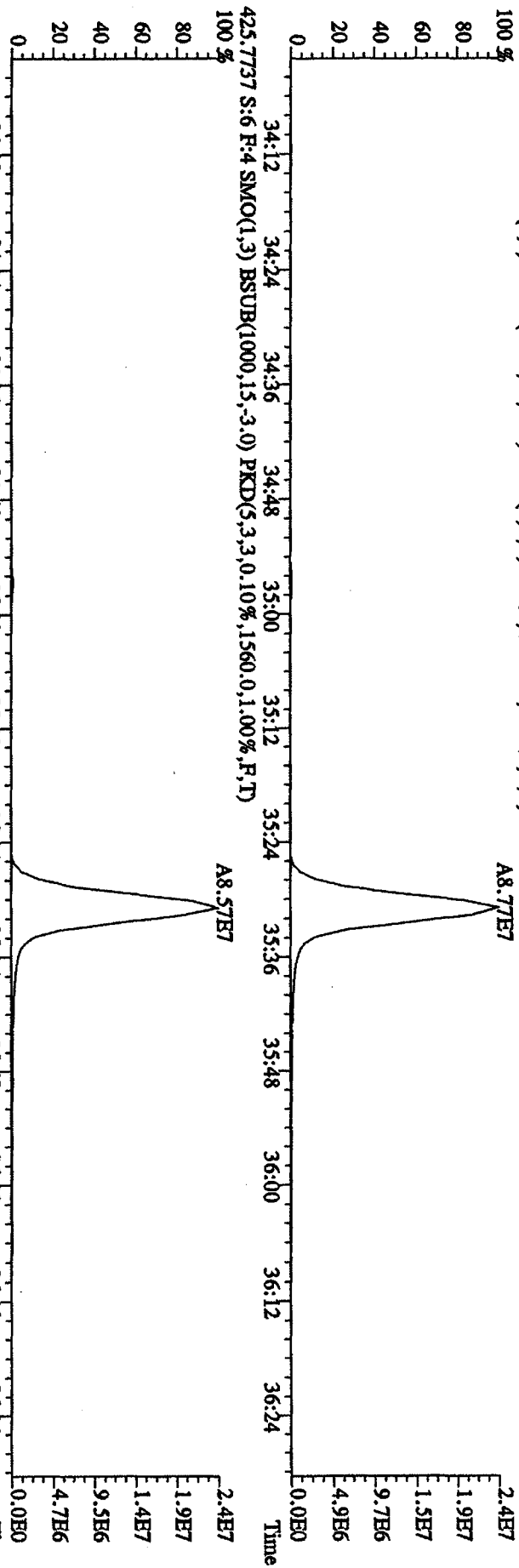
File:12AP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,868.0,1.00%,F,T)
 100 %



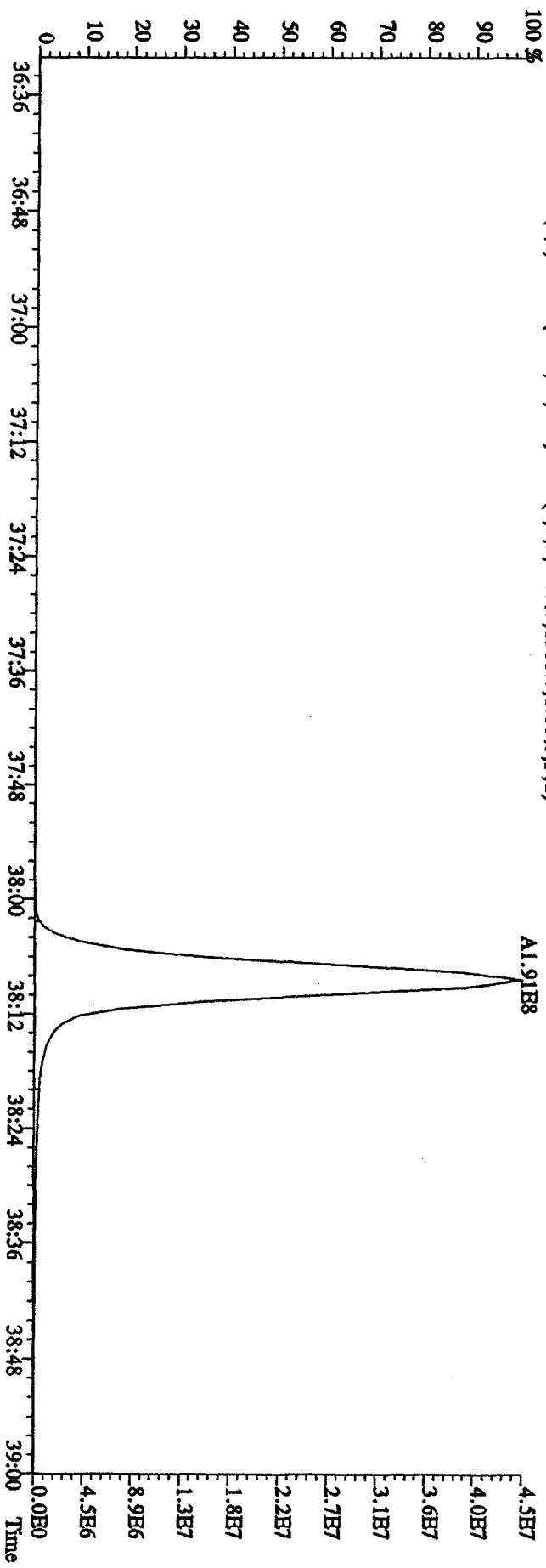
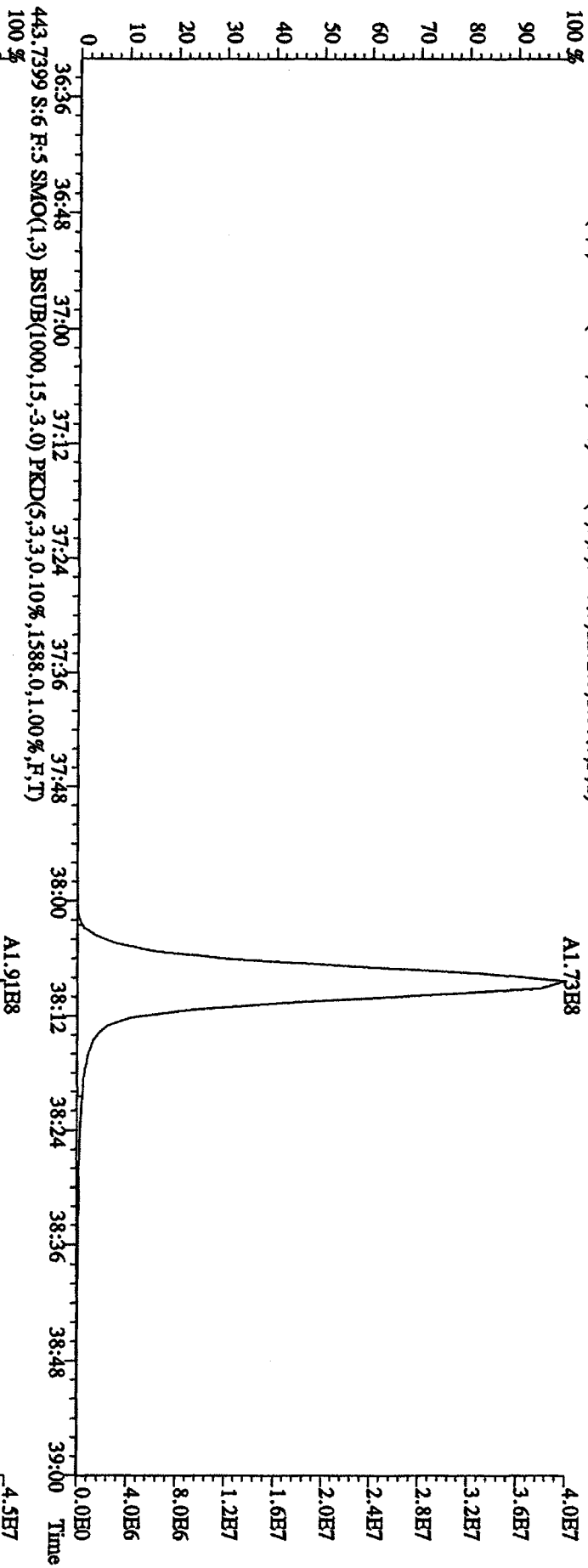
File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,27648.0,1.00%,F,T)
 100%



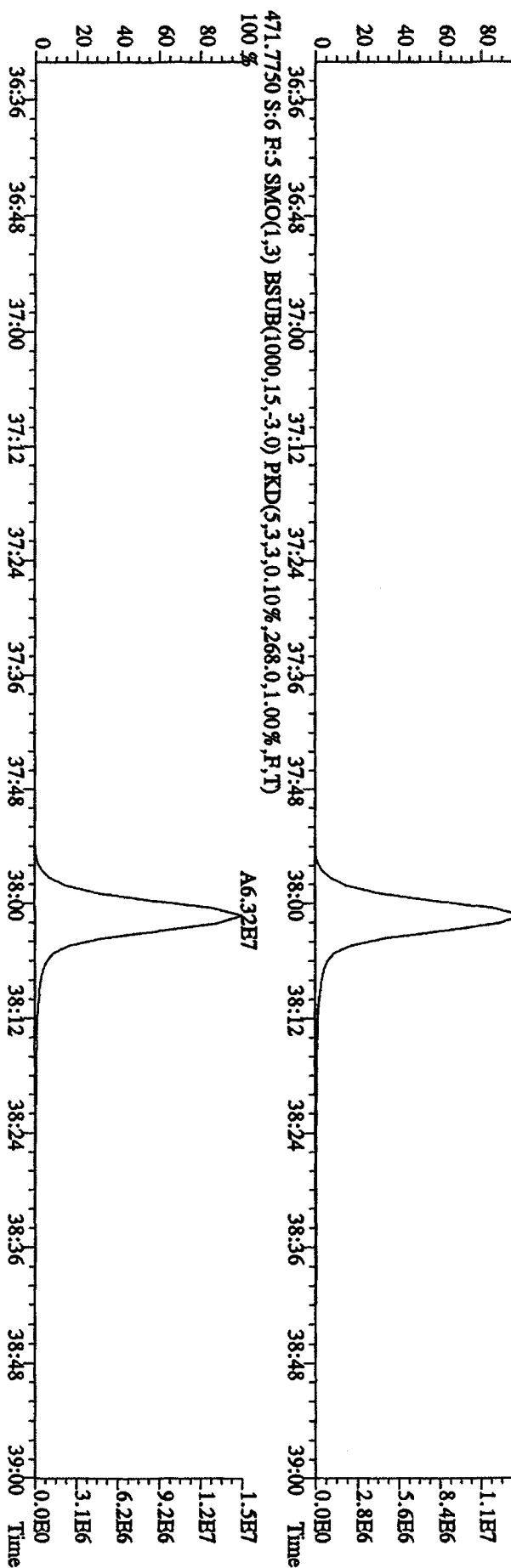
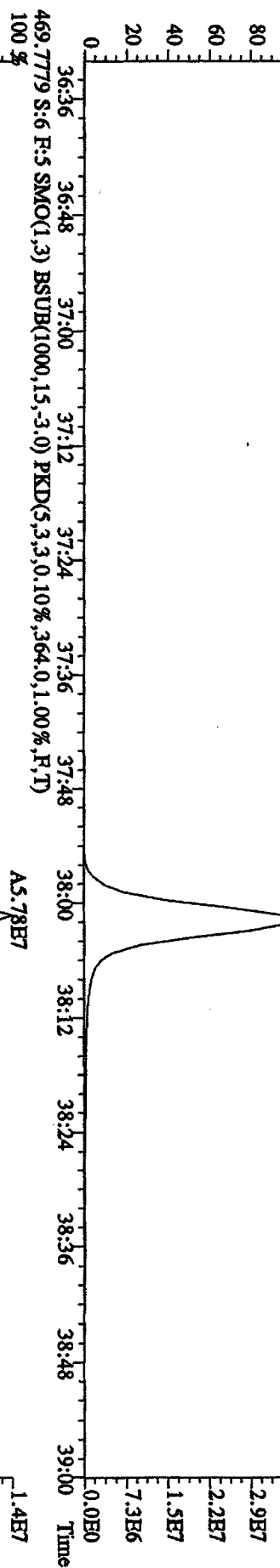
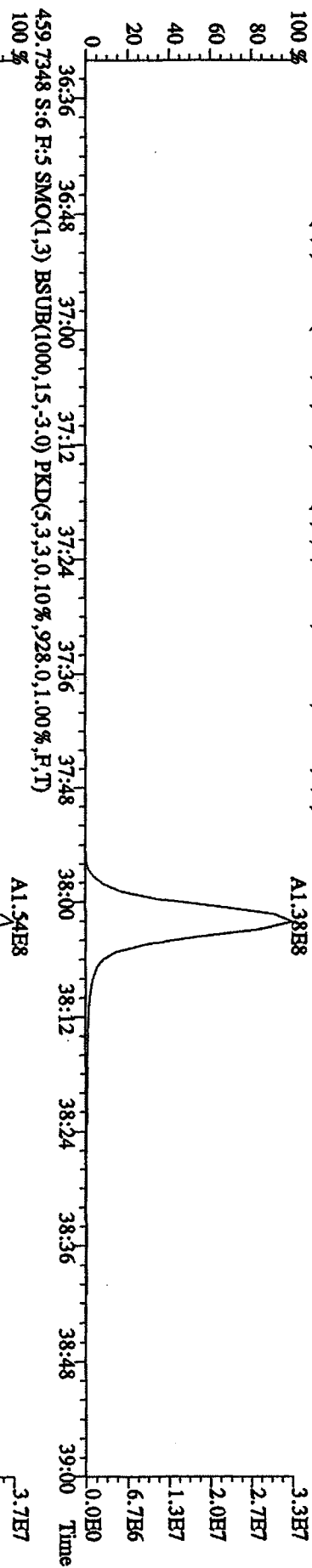
File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRHS8290A
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10928,0,1,00%,F,T)



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 %



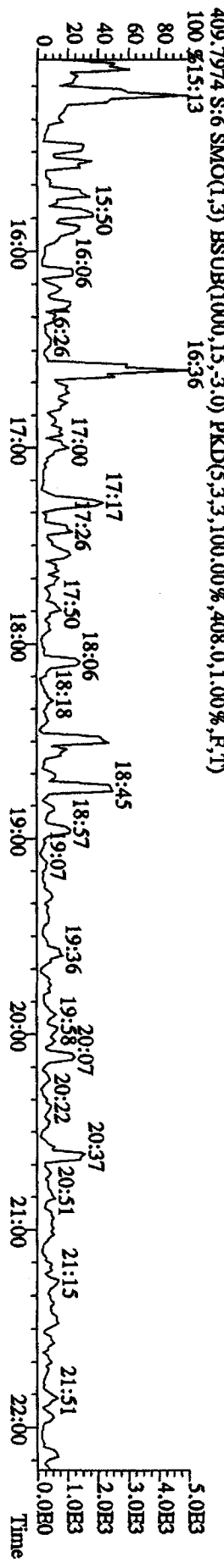
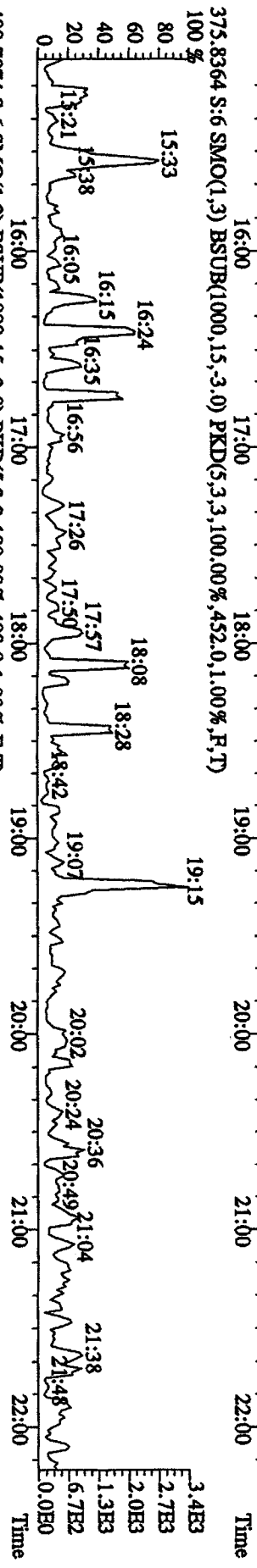
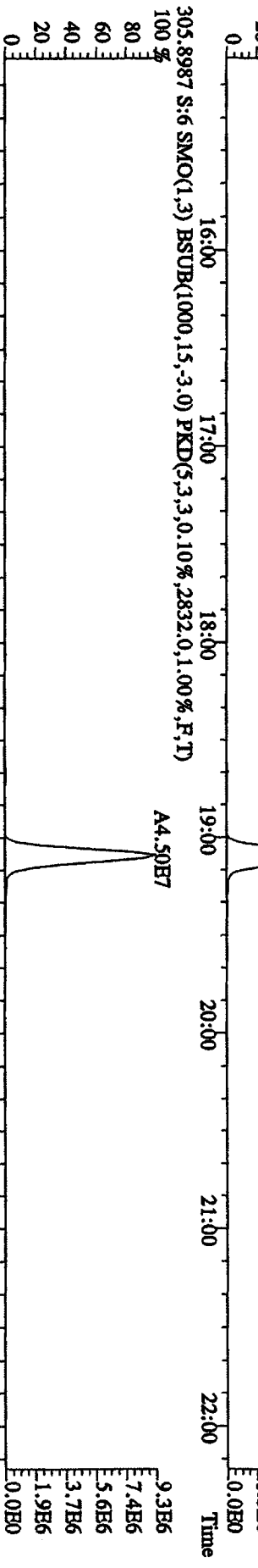
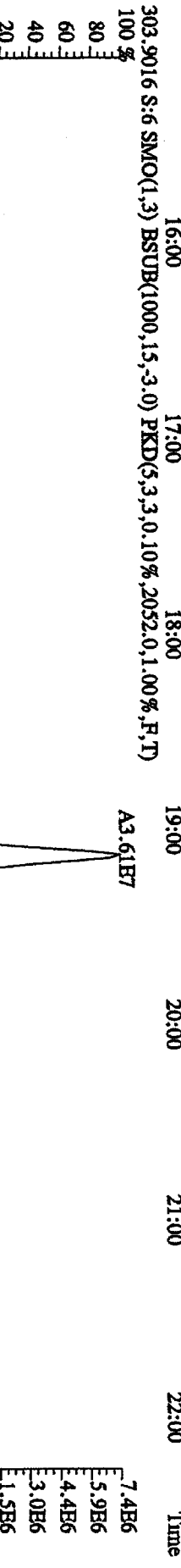
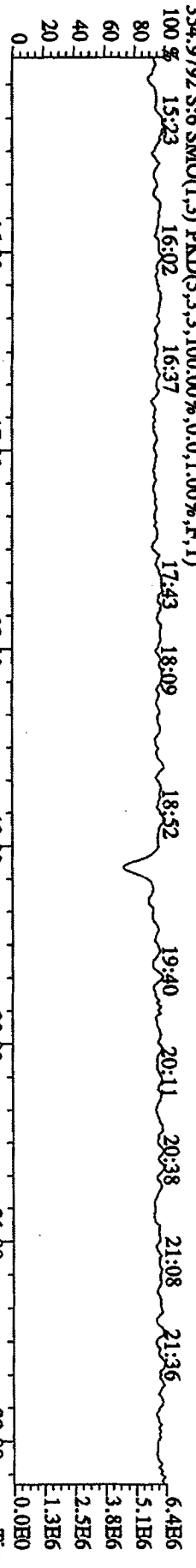
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UtimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,22244,0,1,00%,F,T)
 100%



File: 12AP104D5 #1-435 Acq: 12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB

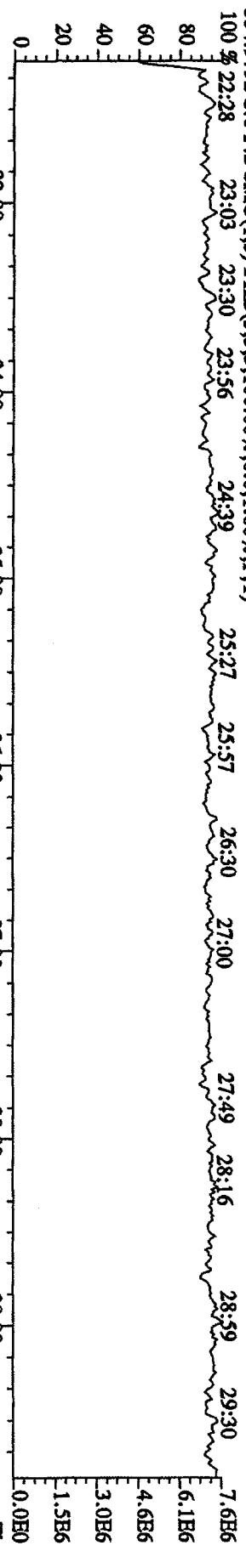
Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A

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

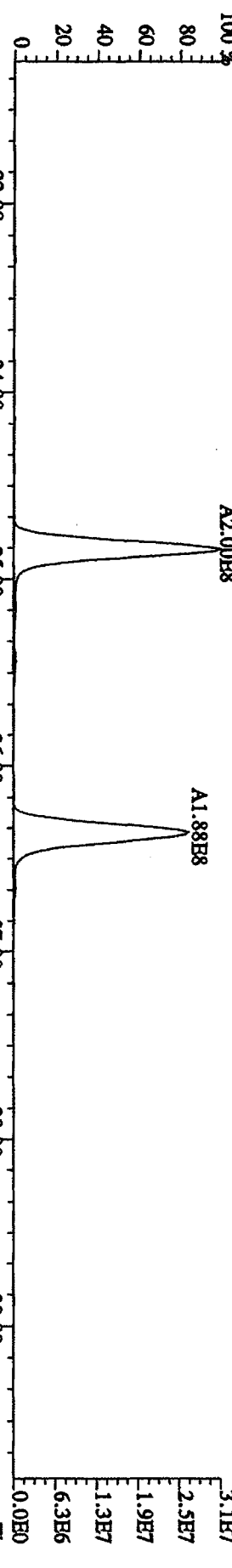


File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC BI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

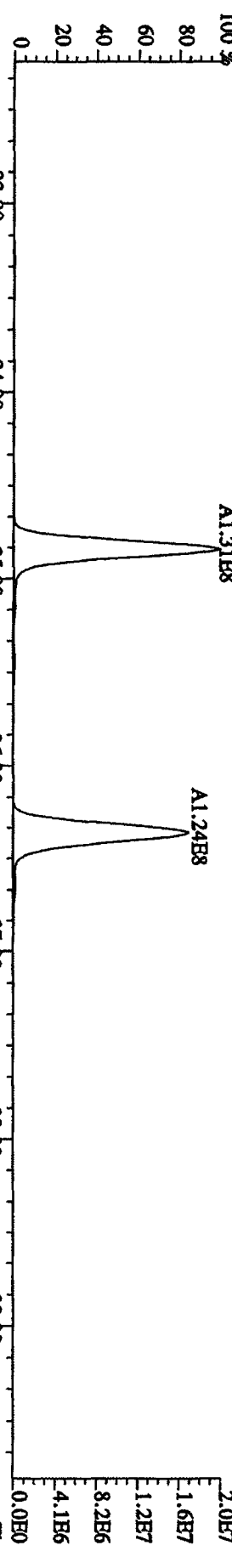
354.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



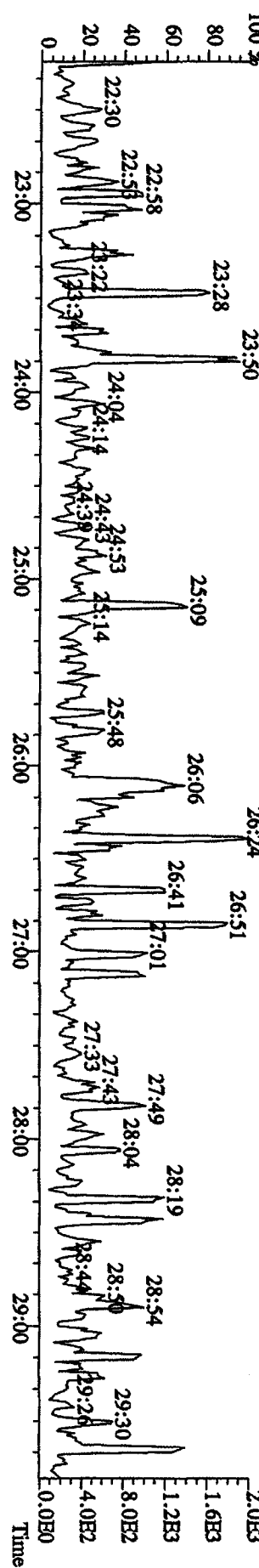
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T)



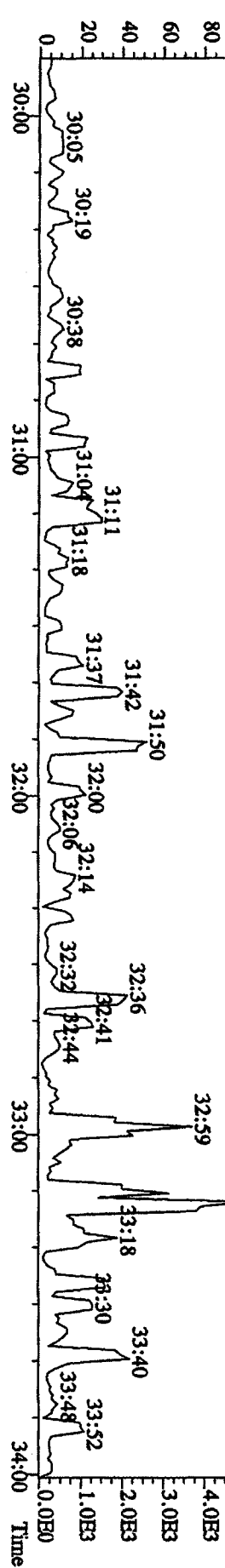
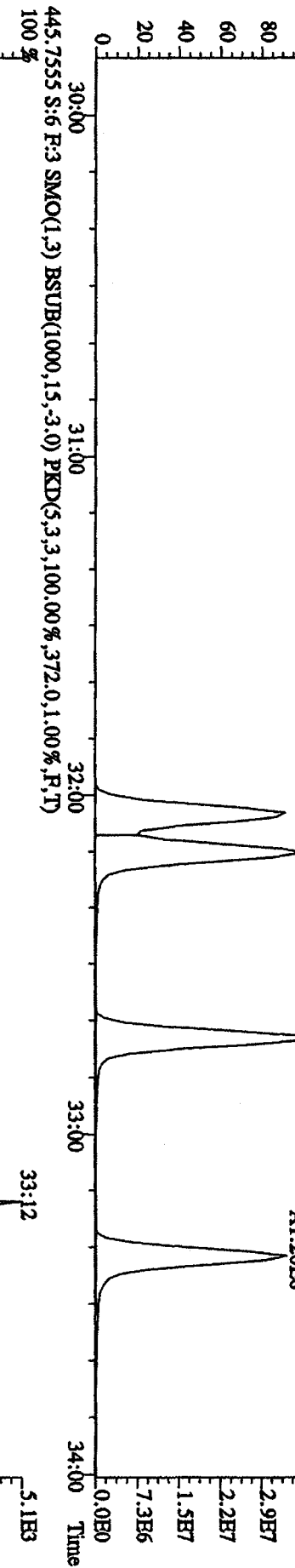
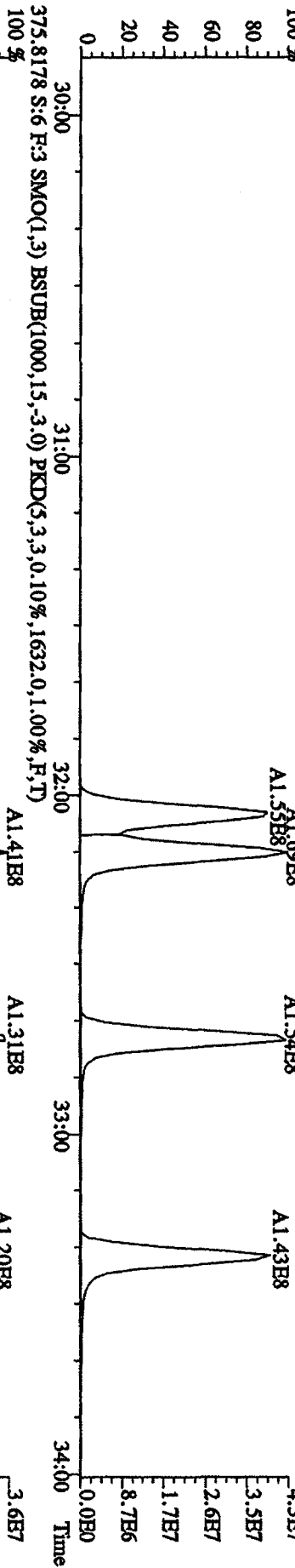
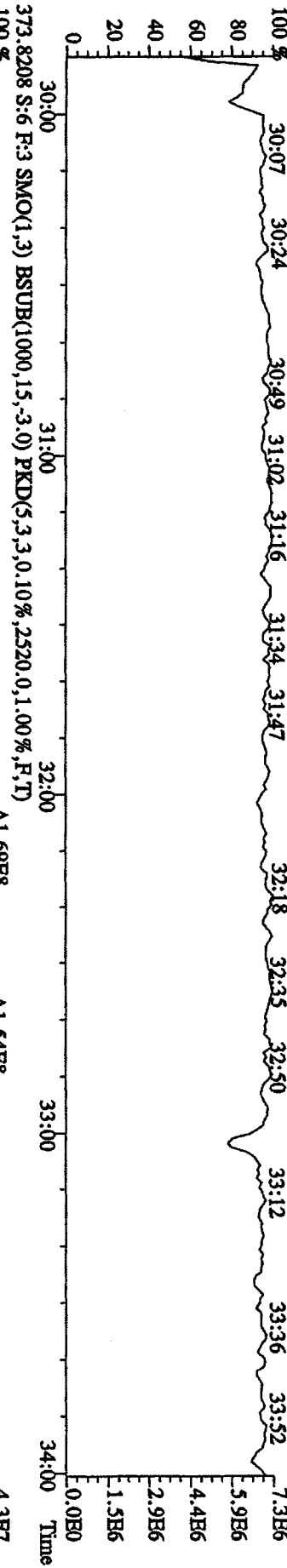
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2652.0,1.00%,F,T)



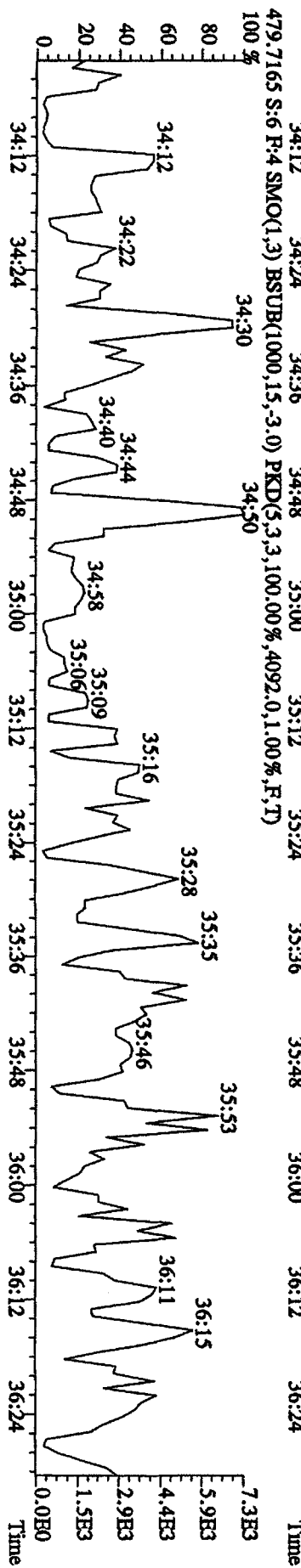
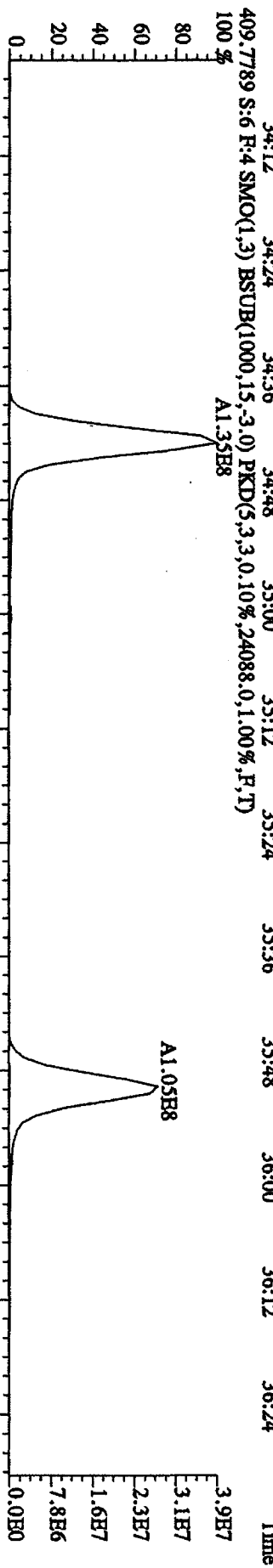
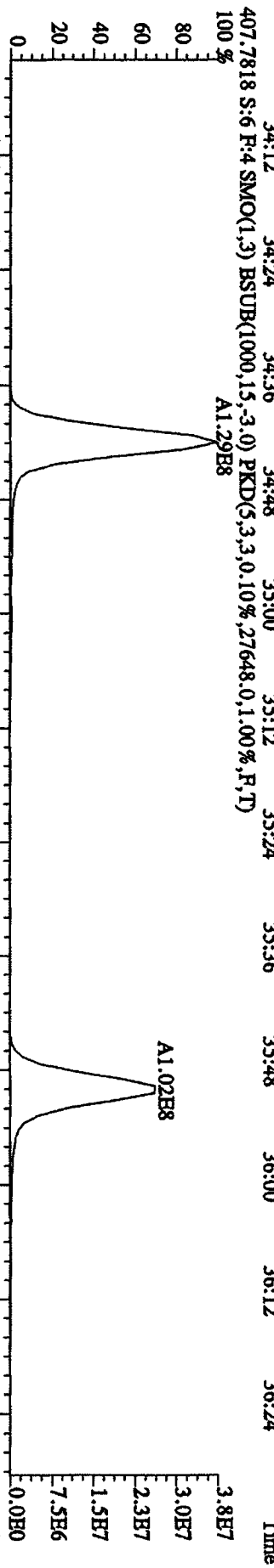
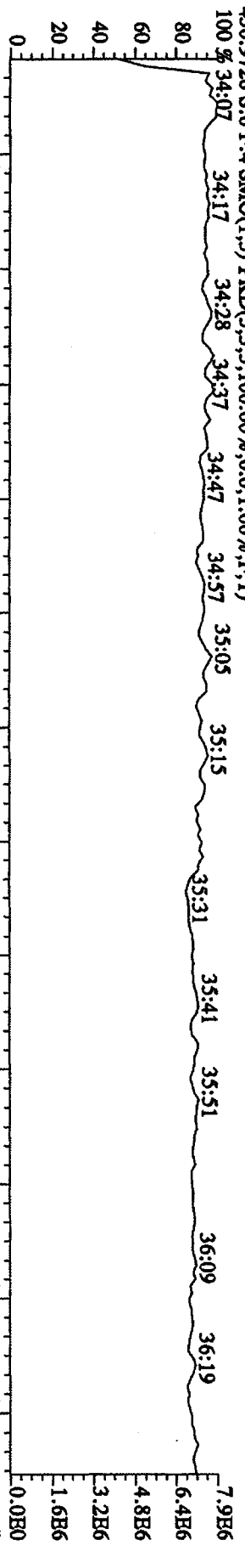
409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,380.0,1.00%,F,T)



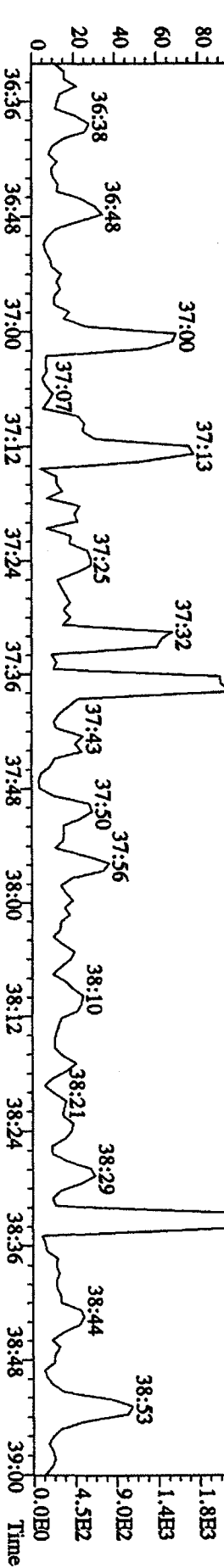
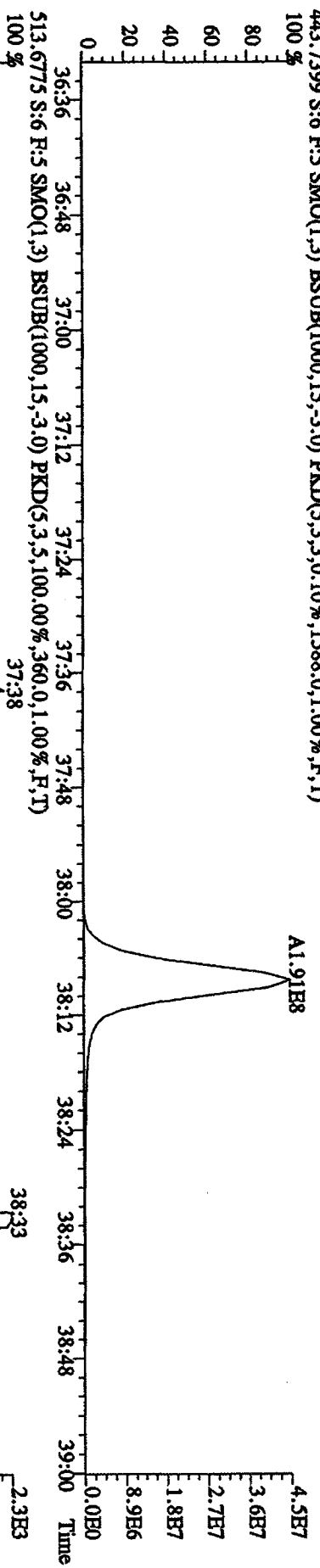
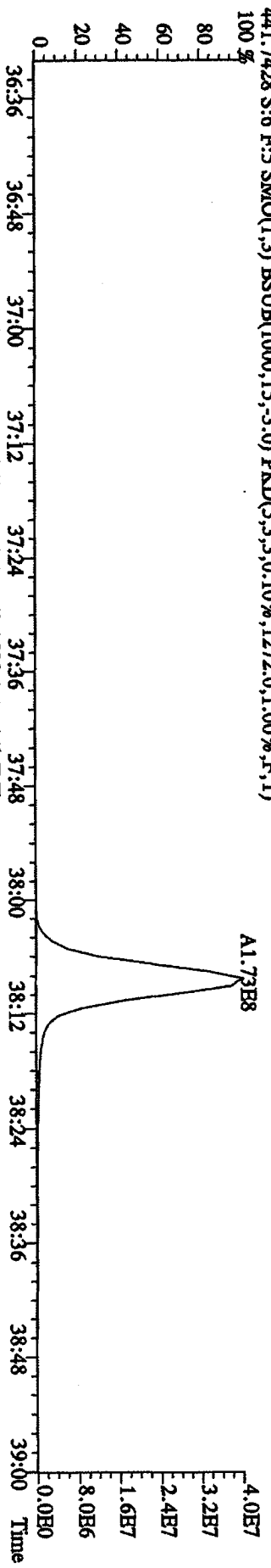
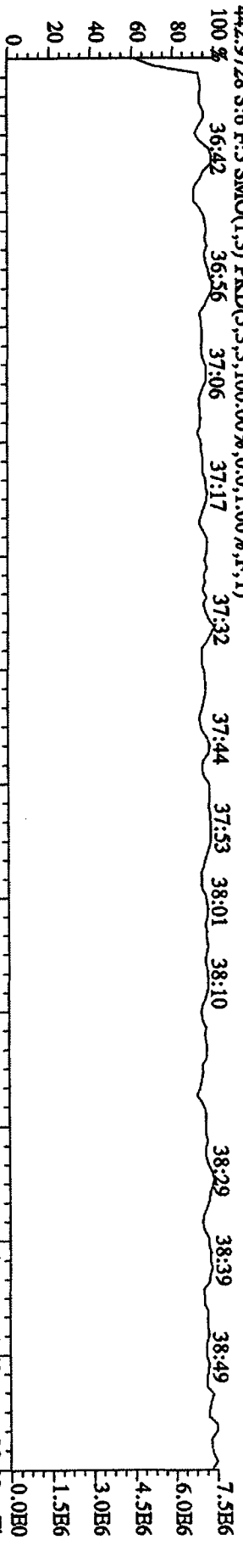
File: 12AP104D5 #1-317 Acq: 12-APR-2010 12:16:51 GC: EI+ Voltage: SIR Autospec-UltimaB
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A
 430.9728 S:6 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 30:07 30:24 30:49 31:02 31:16 31:34 31:47 32:18 32:35 32:50 33:12 33:36 33:52



File: 12AP104D5 #1-198 Acq: 12-APR-2010 12:16:51 GC HI + Voltage SIR Autospec-UltimaB
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRHS8290A



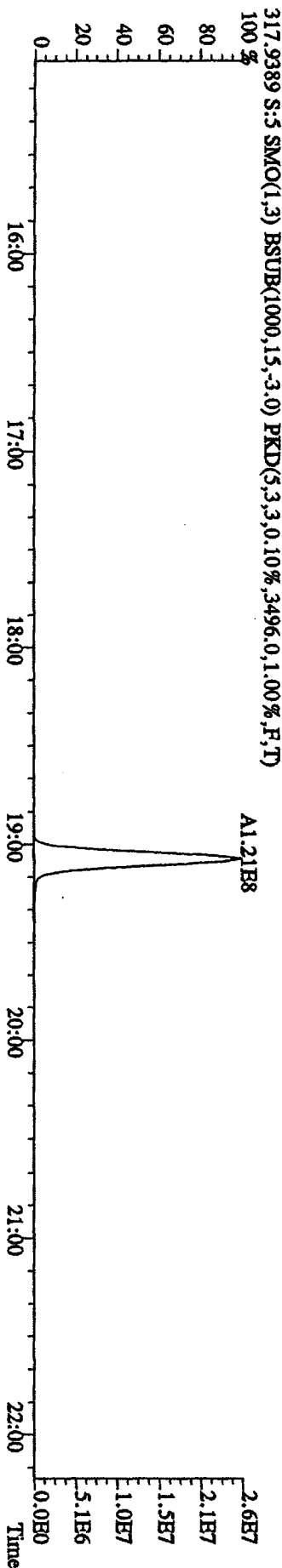
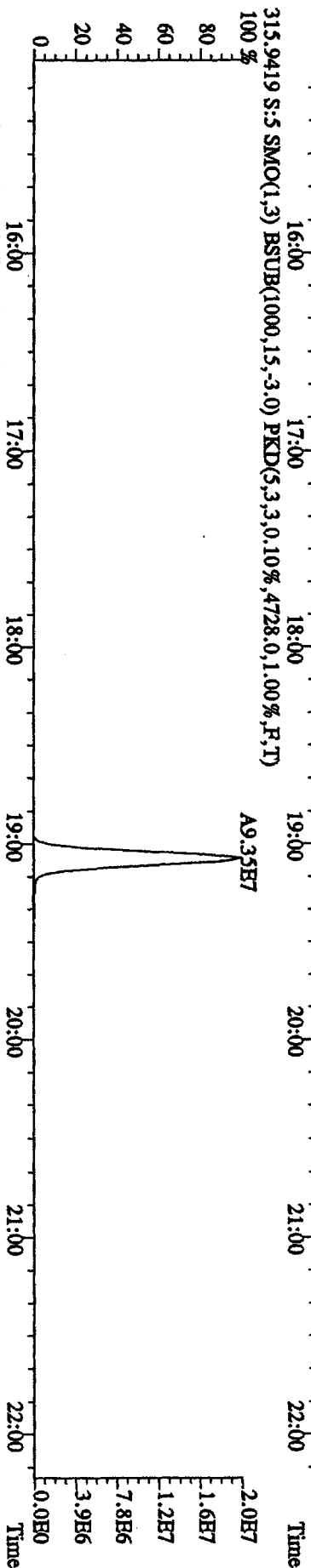
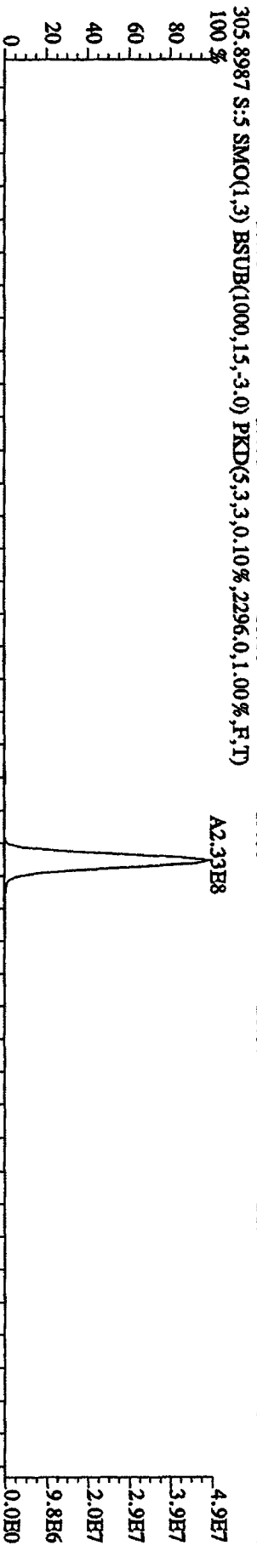
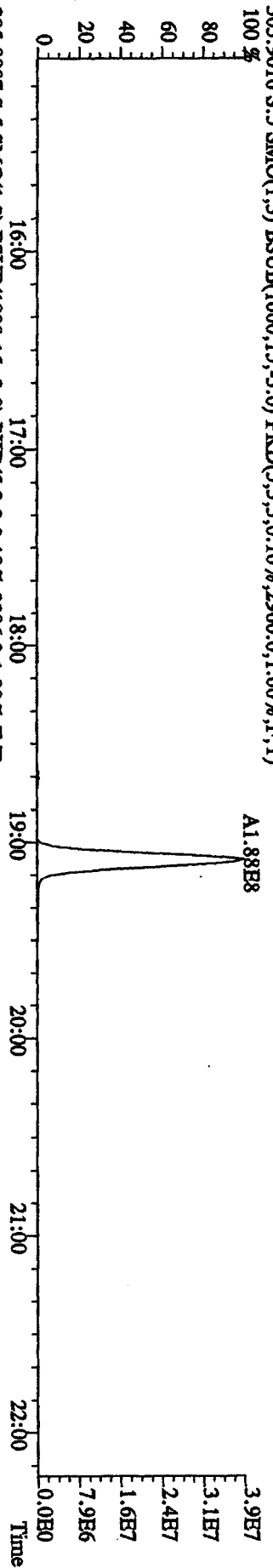
File: 12AP104D5 #1-190 Acq: 12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A



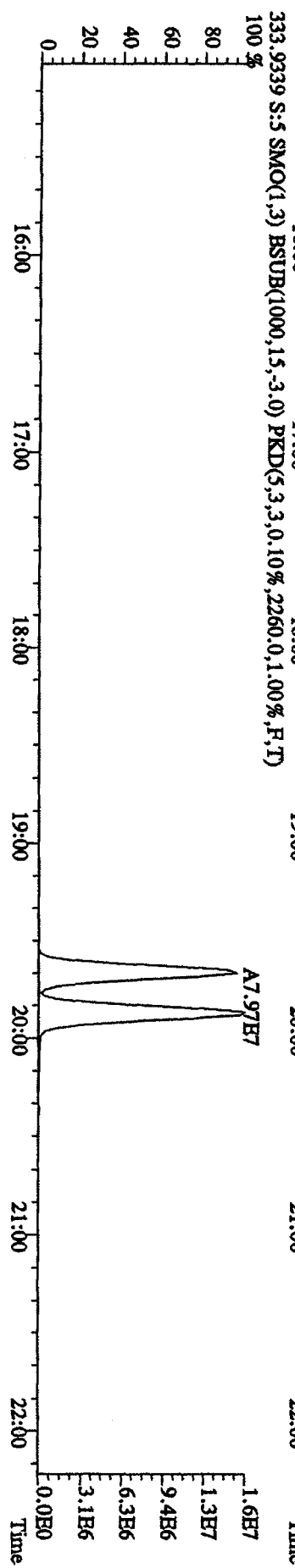
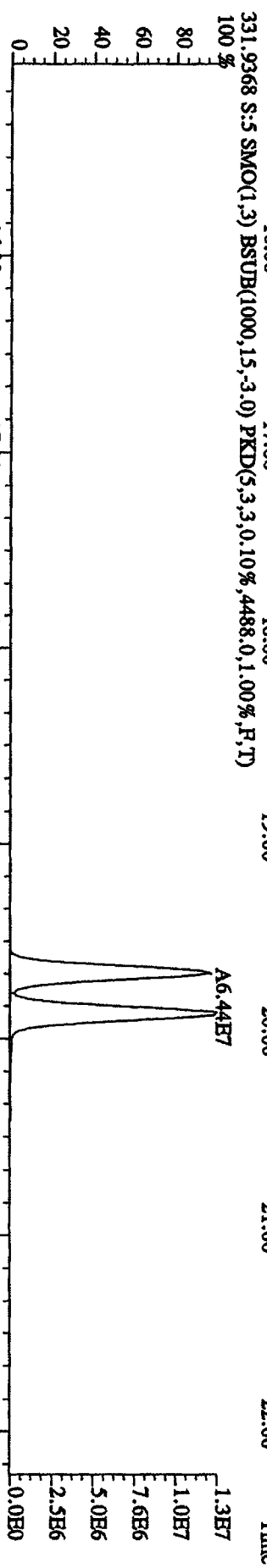
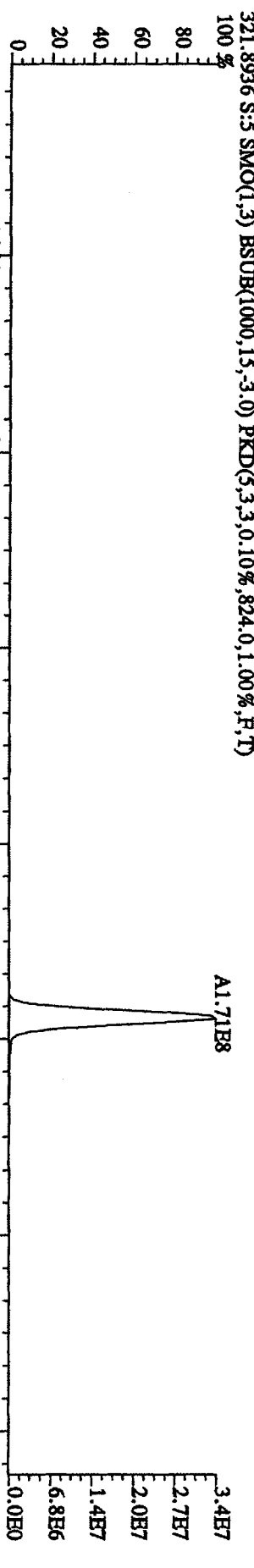
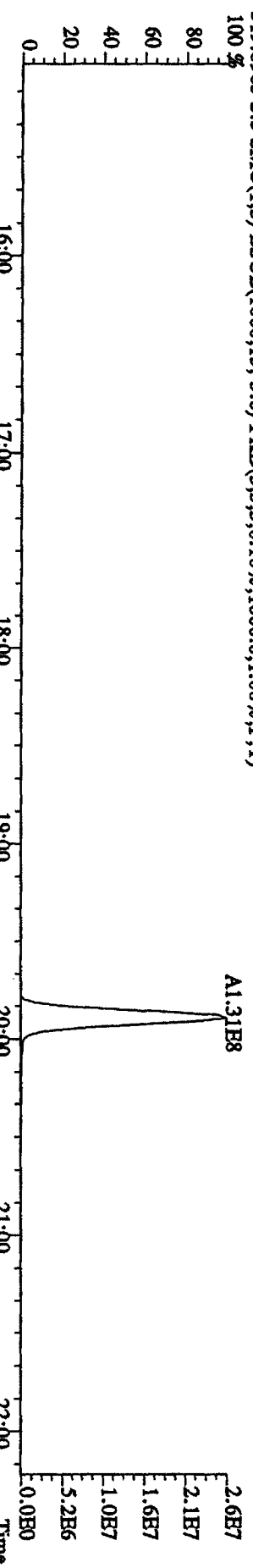
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC HI + Voltage SIR Autospec-UtimaB

Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

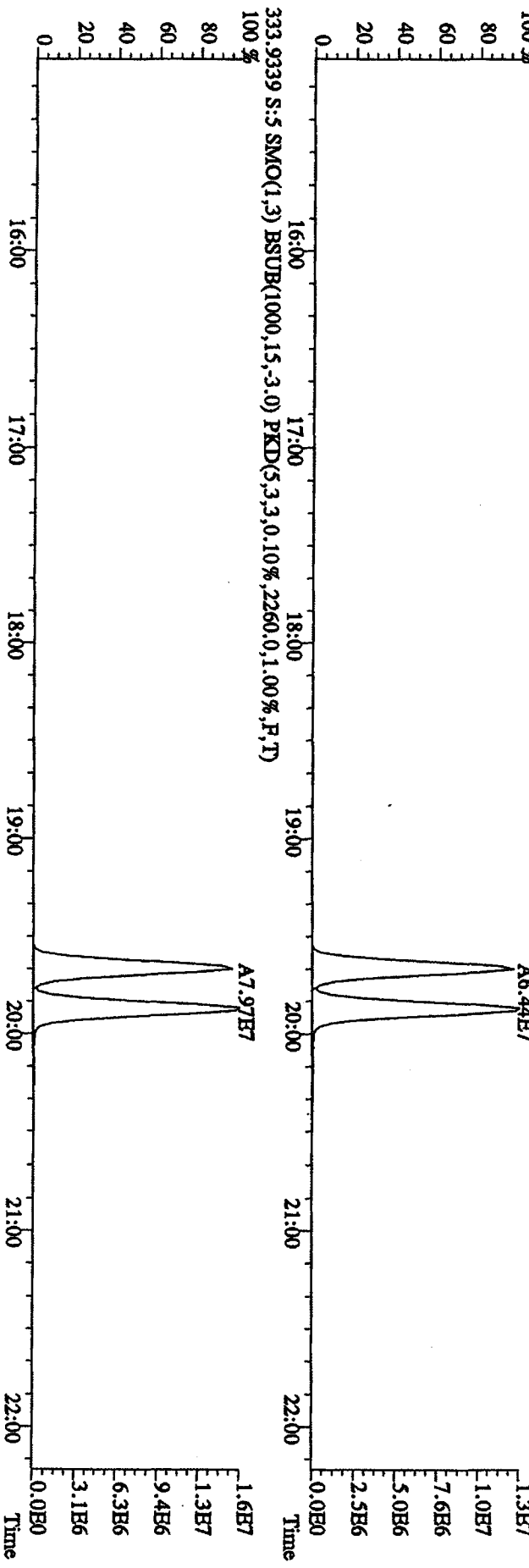
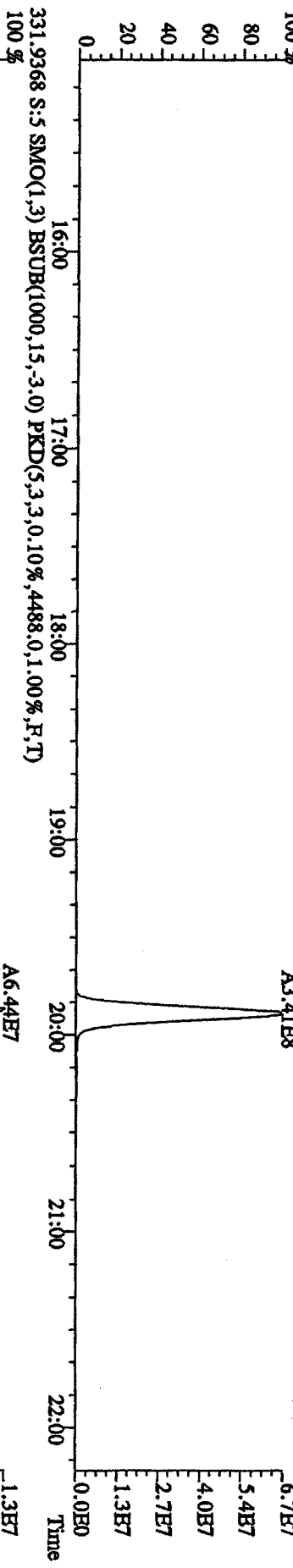
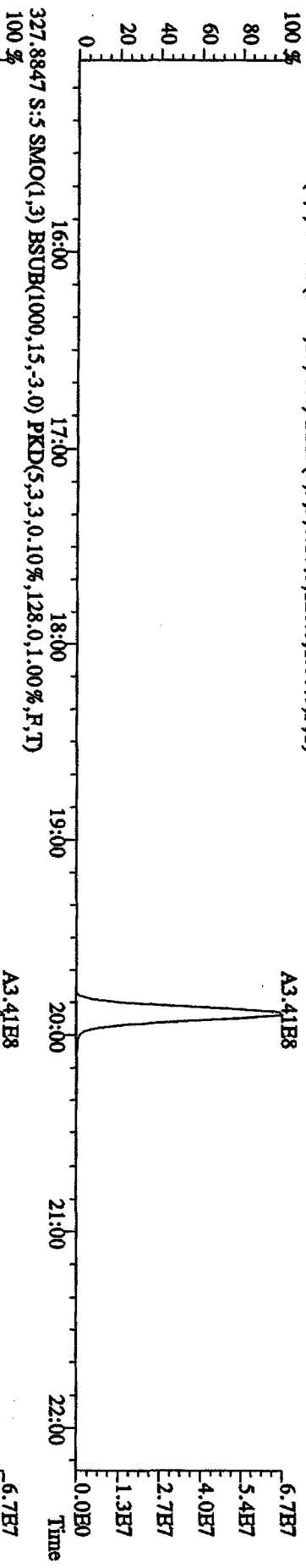
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2960,0.1,0.0%,F,T) 100%



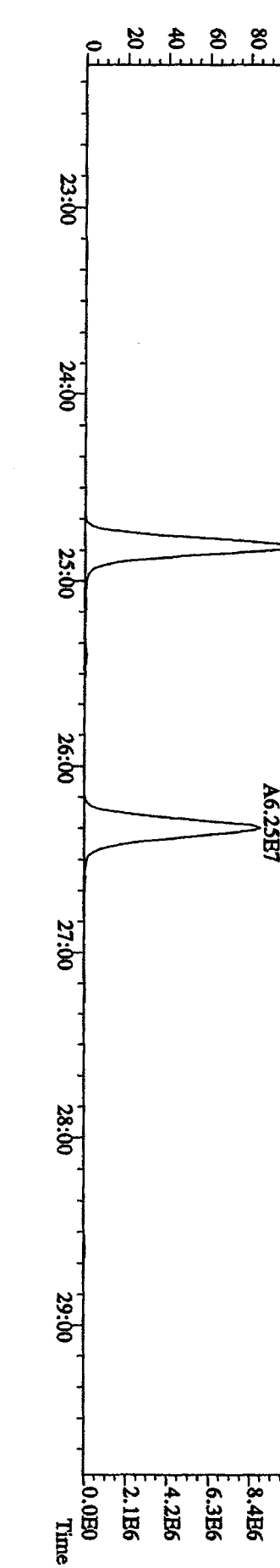
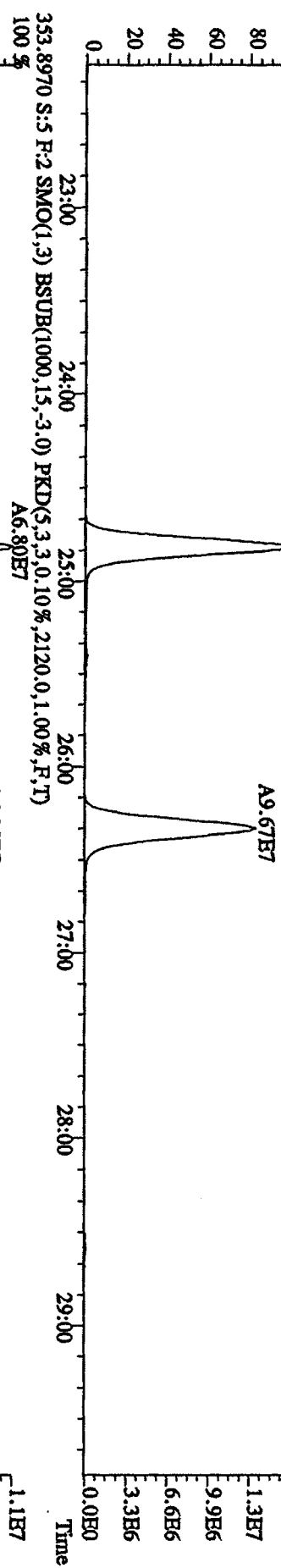
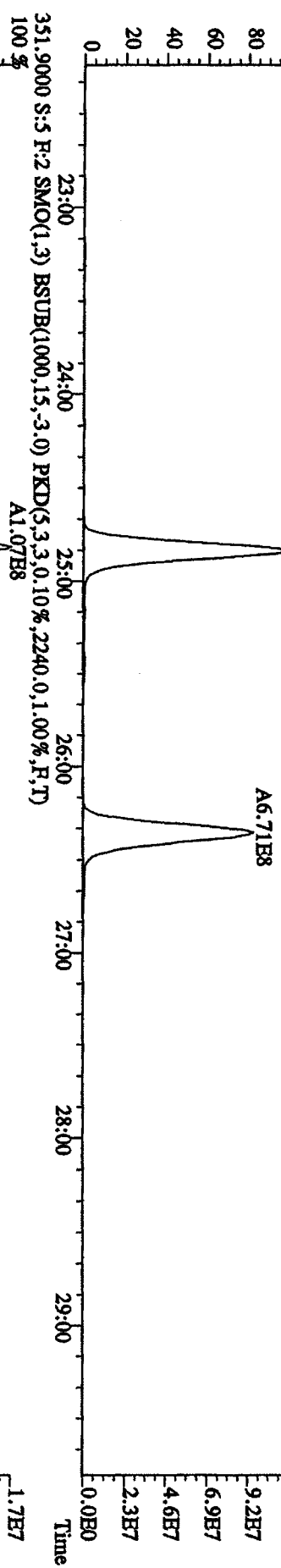
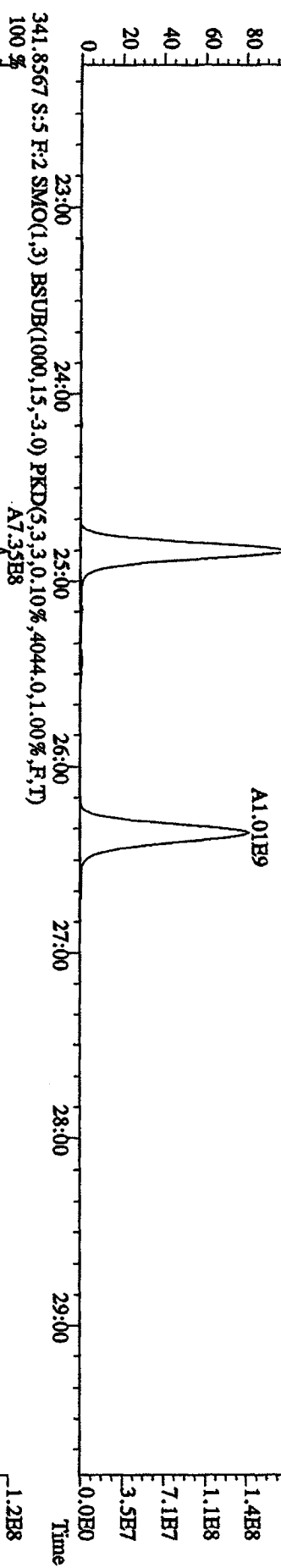
File: 12AP104D5 #1-435 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text: ST0412C :CS-5 09DXN456 Exp: DIOXINRES8290A
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1000,0,1,00%,F,T) 100%



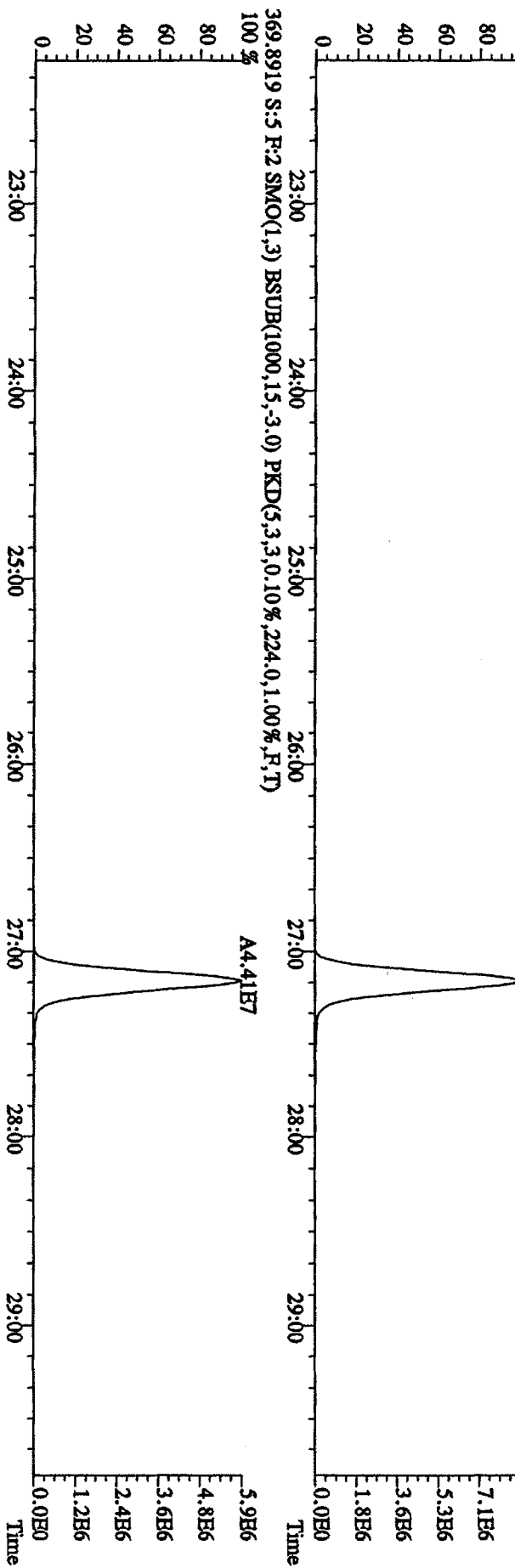
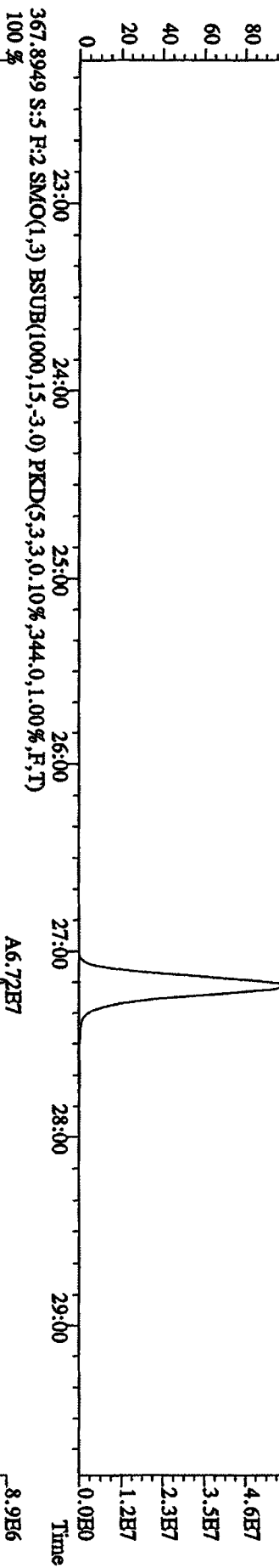
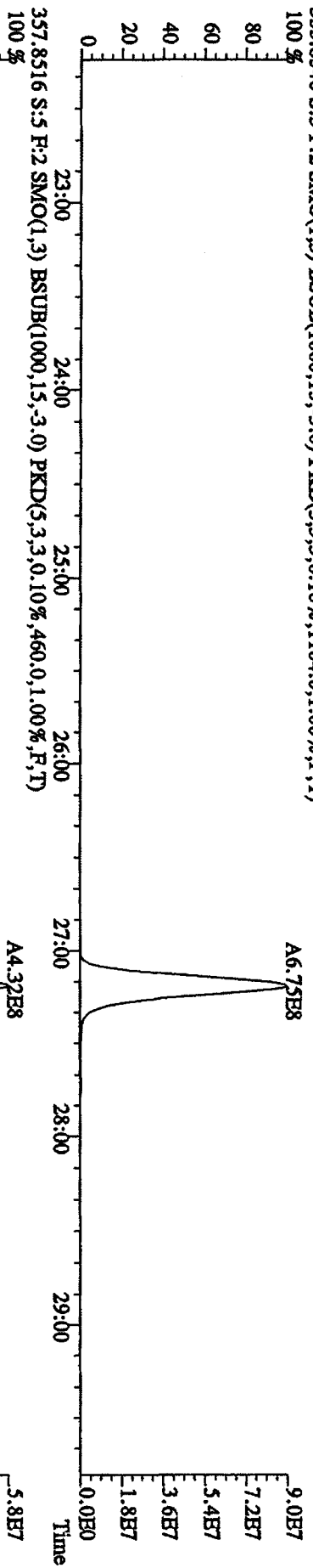
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,128,0,1,00%,F,T) 100%



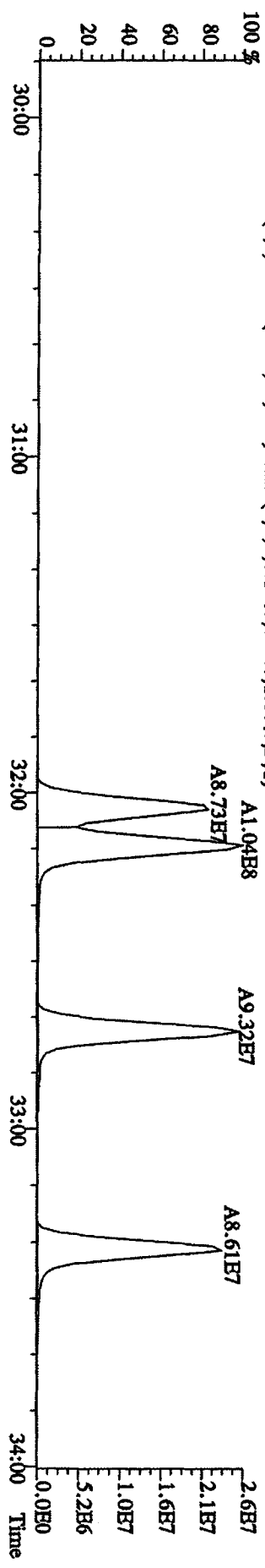
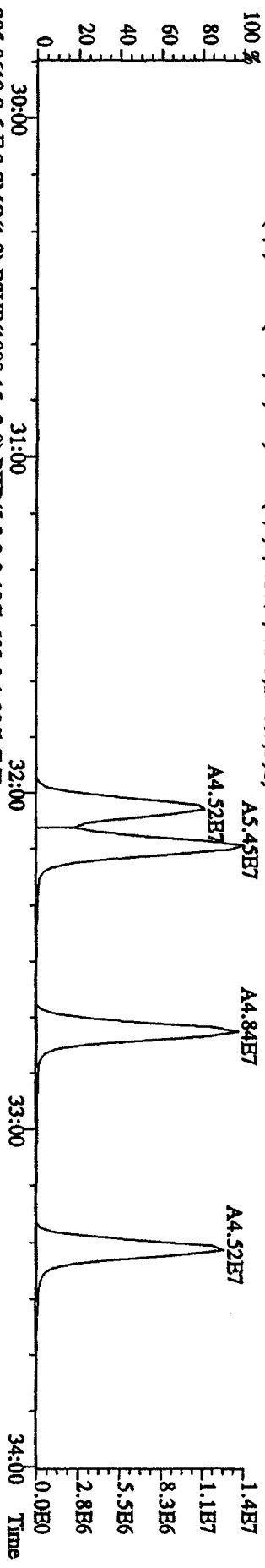
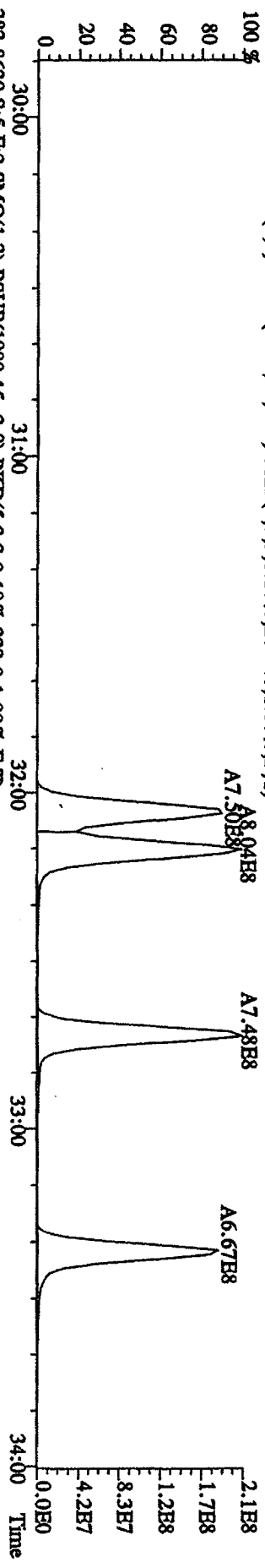
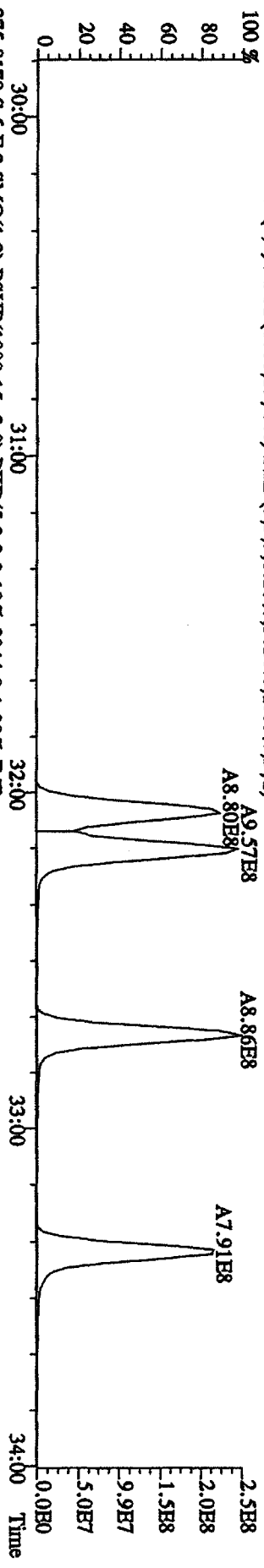
File: 12AP104D5 #1-604 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: ST0412C :CS-5 09DXN456 Exp: DIOXINRES8290A
 339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8368.0,1.00%,F,T) 100% A1.12B9



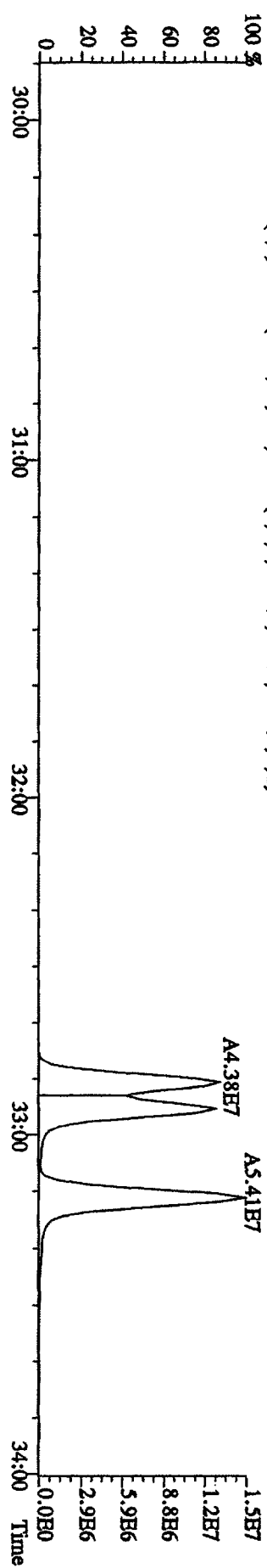
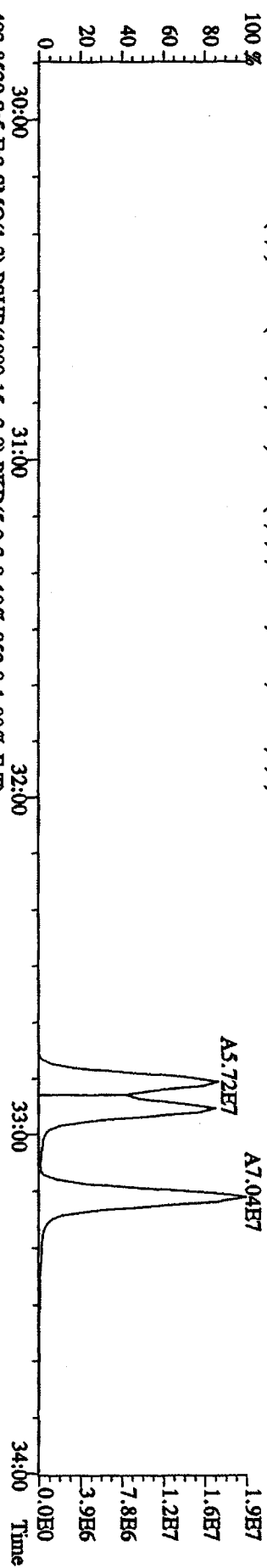
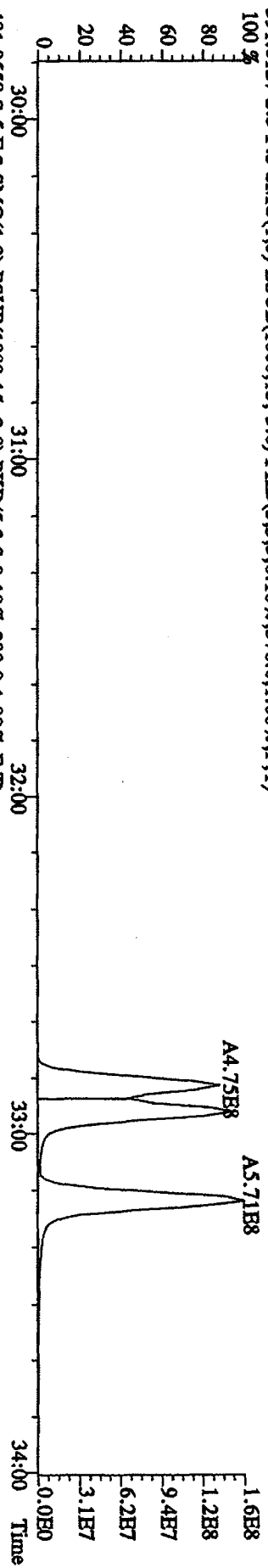
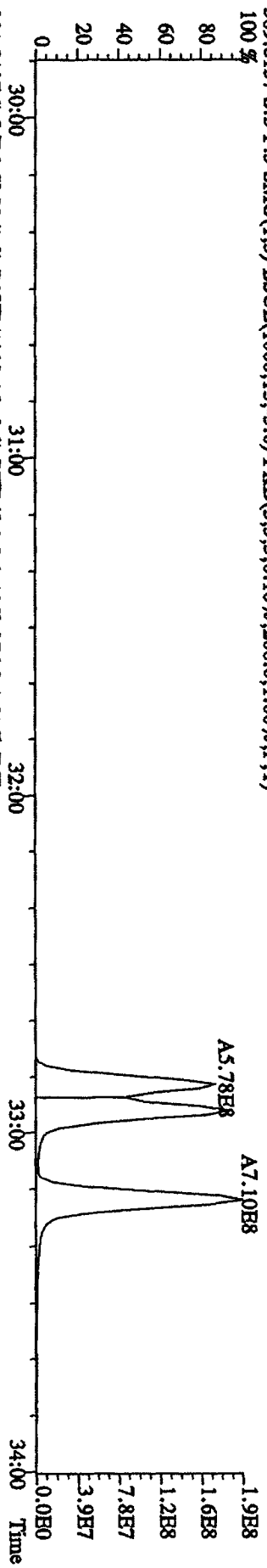
File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC BI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



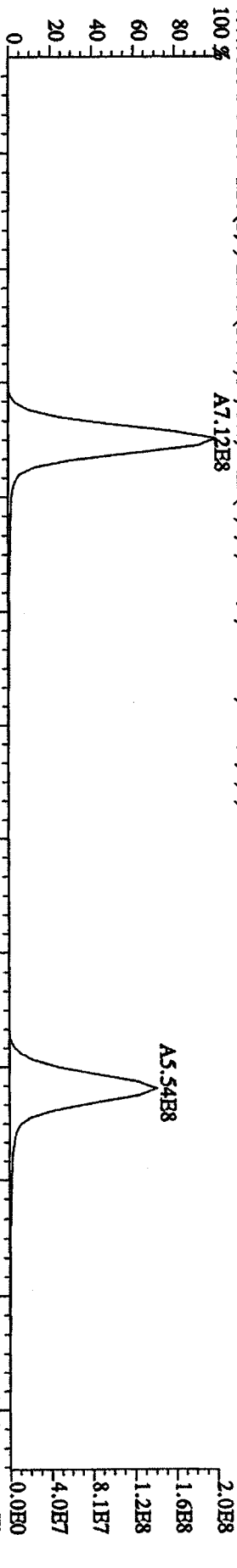
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3020,0,1.00%,F,T)



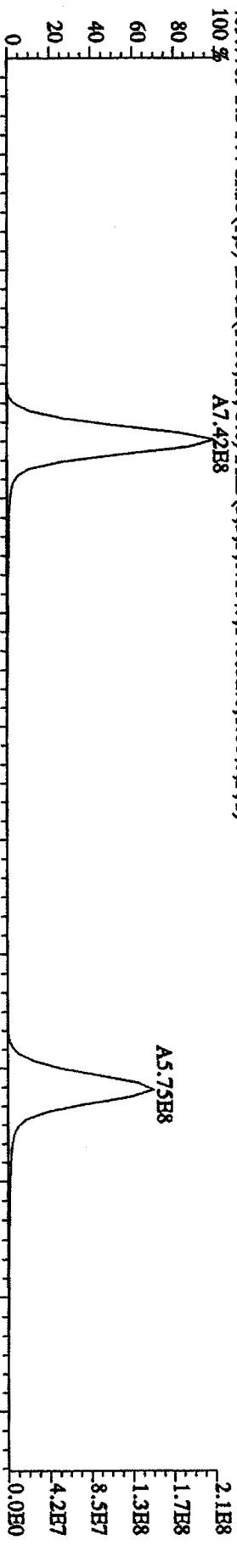
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,208.0,1.00%,F,T)



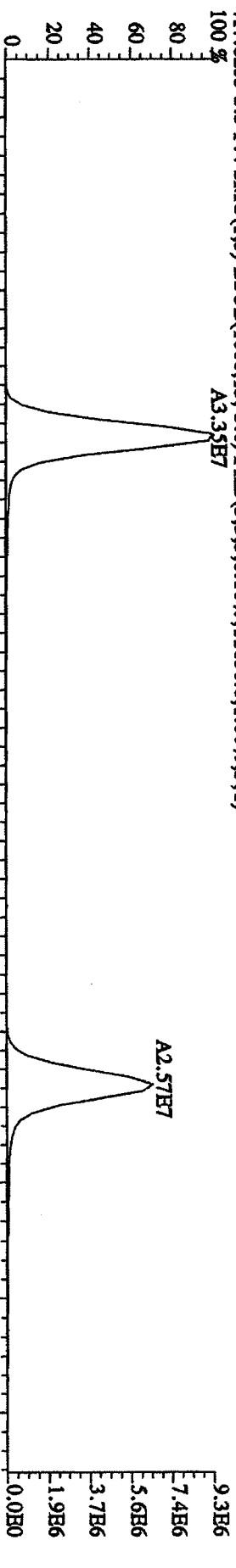
File: 12AP104D5 #1-198 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample# 5 Text: ST0412C : CS-5 09DXN456 Exp: DIOXINRES8290A
 407.7818 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,81496.0,1.00%,F,T)
 100 % A7.12E8



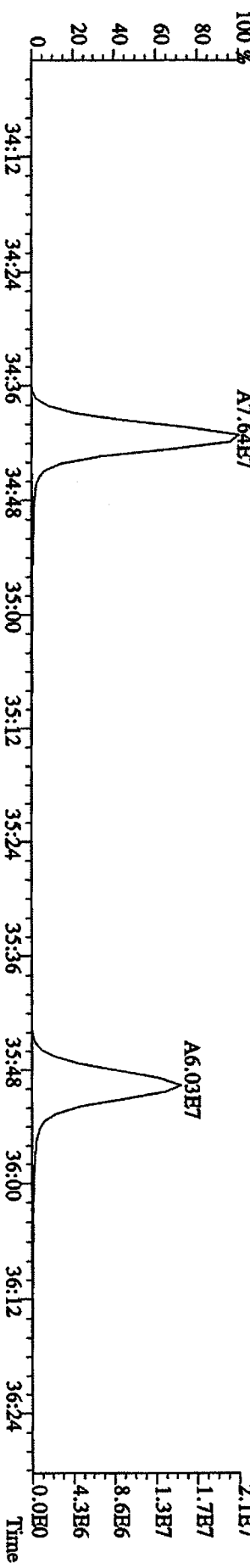
409.7789 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148832.0,1.00%,F,T)
 100 % A7.42E8



417.8253 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11656.0,1.00%,F,T)
 100 % A3.35E7



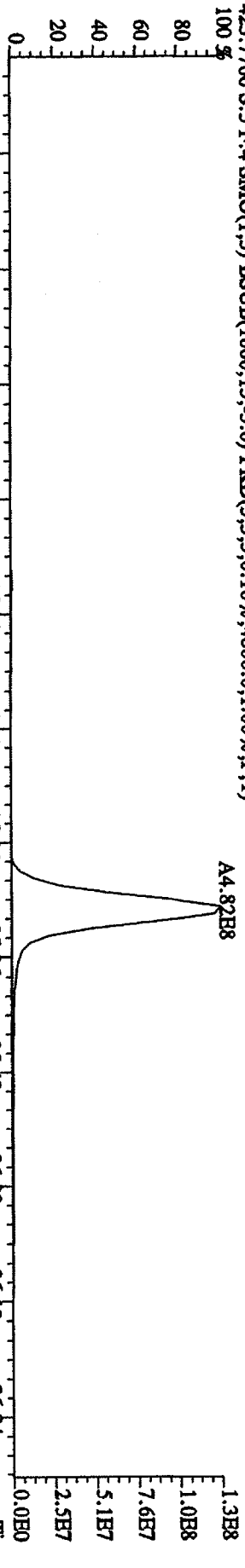
419.8220 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18740.0,1.00%,F,T)
 100 % A7.64E7



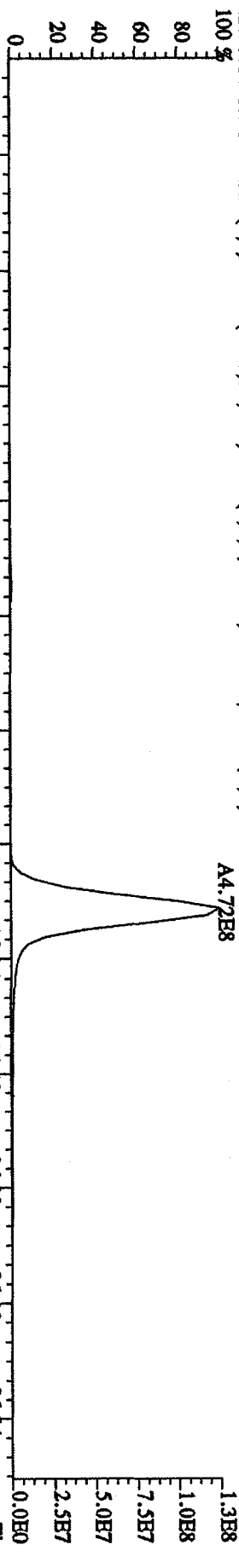
File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB

Sample#5 Text:ST0412C :CS-5 09DXN456 Bsp:DIOXINRES8290A

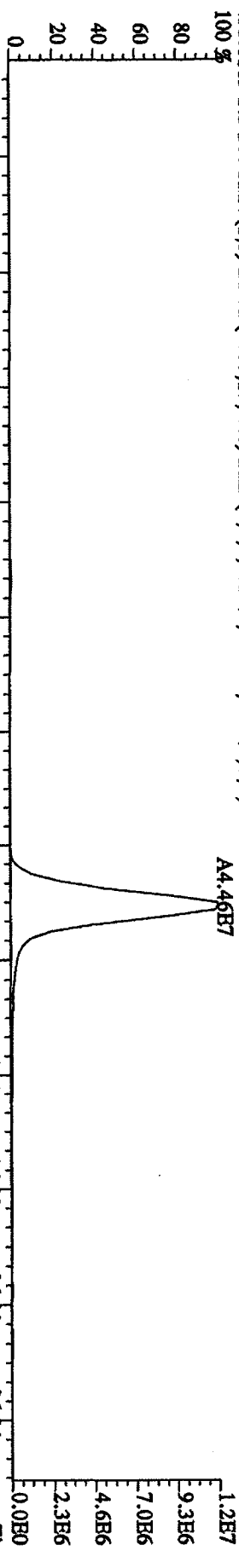
423.7766 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4800.0,1.00%,F,T)



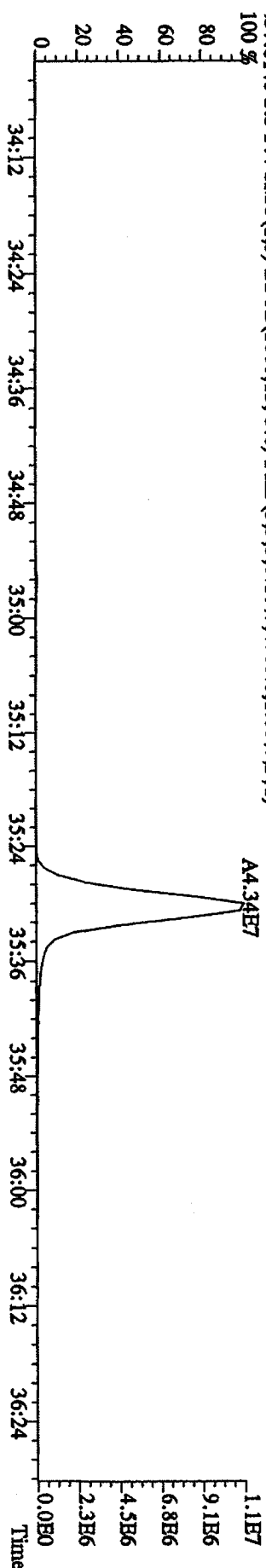
425.7737 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,51712.0,1.00%,F,T)



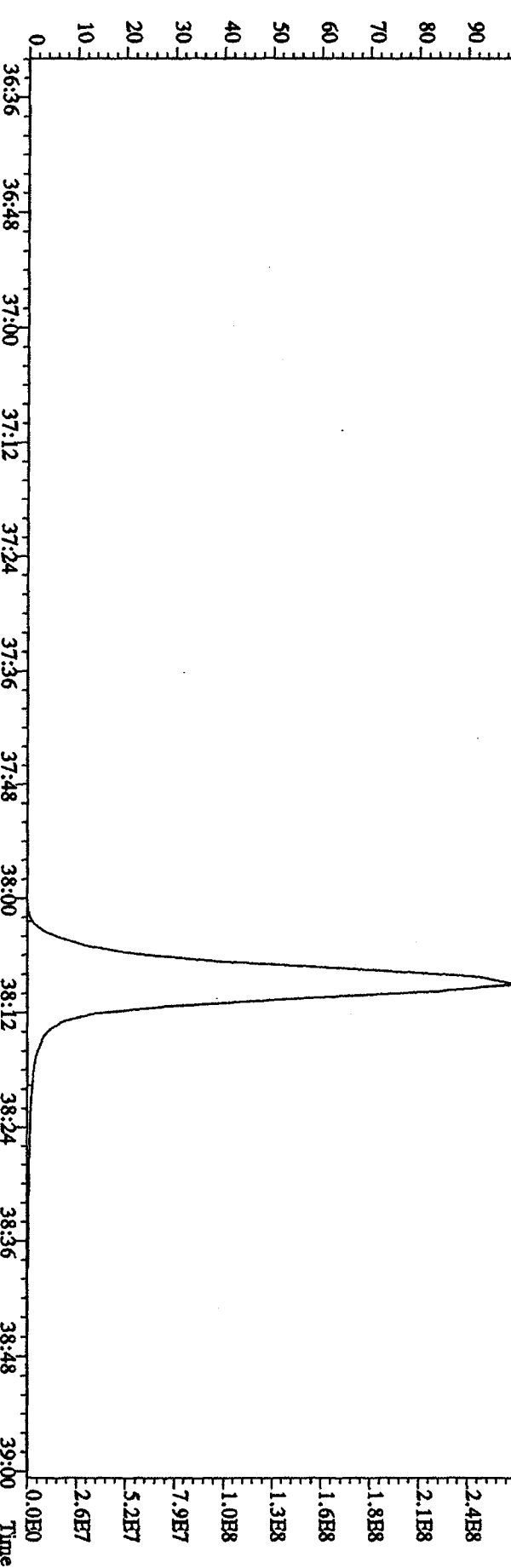
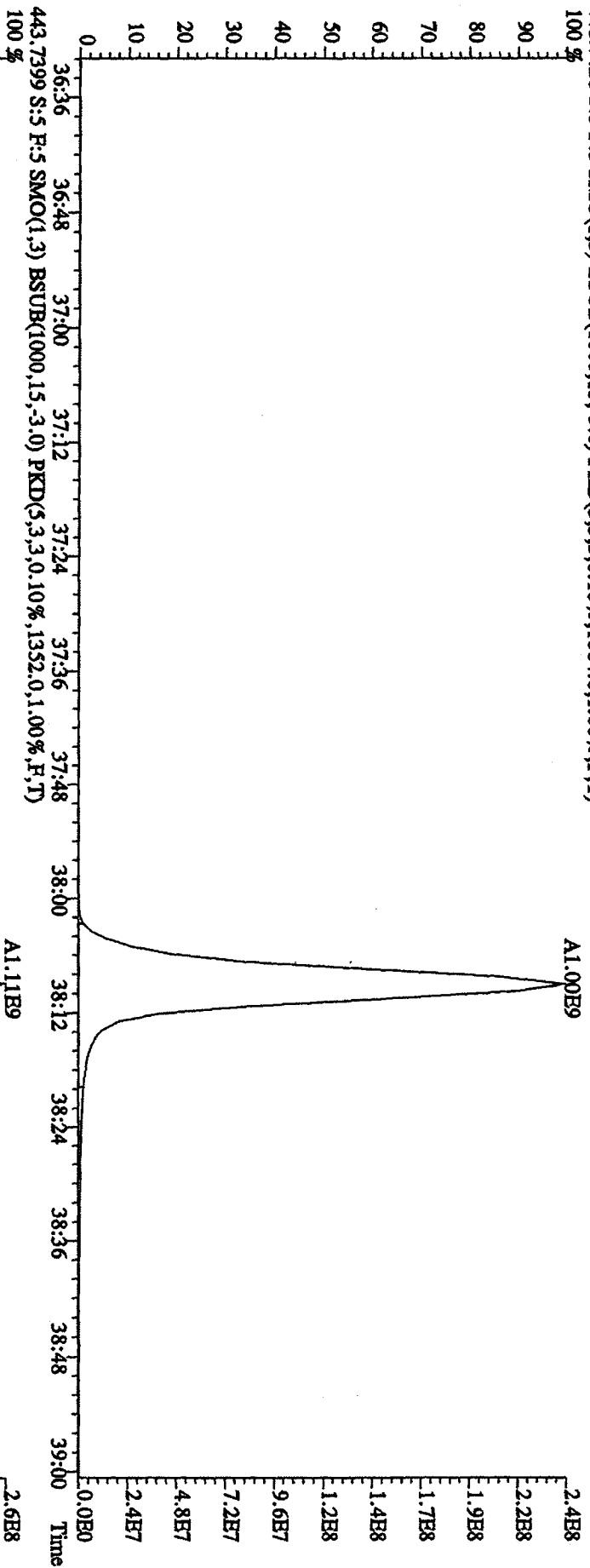
435.8169 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2220.0,1.00%,F,T)



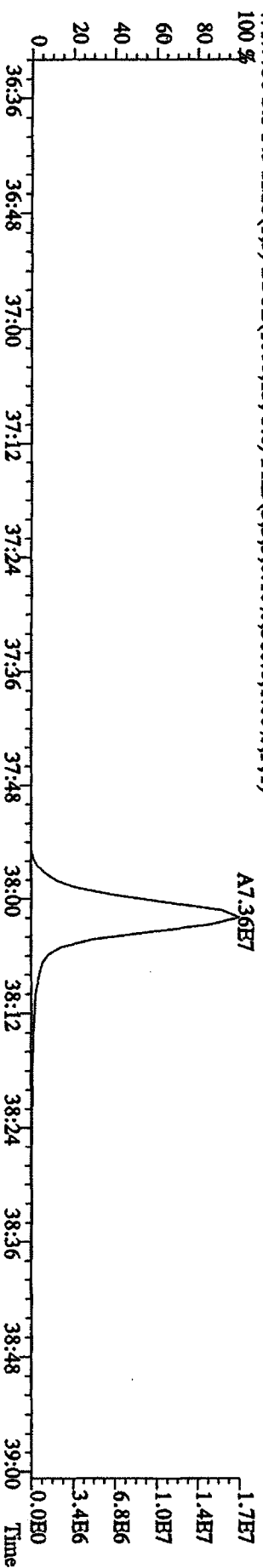
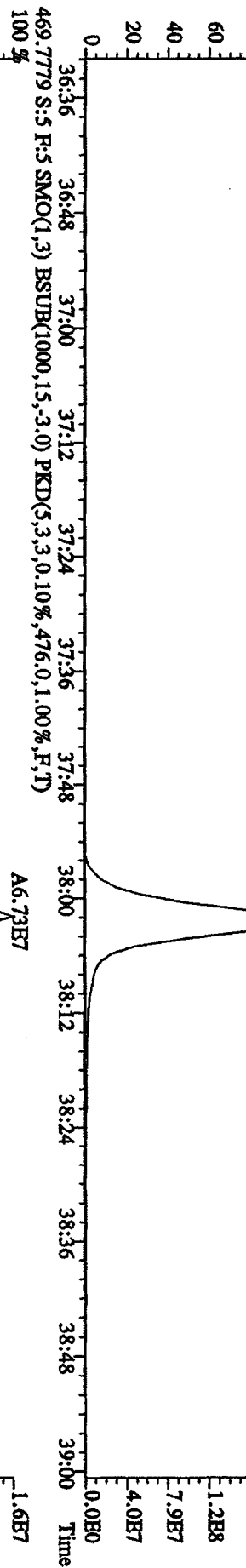
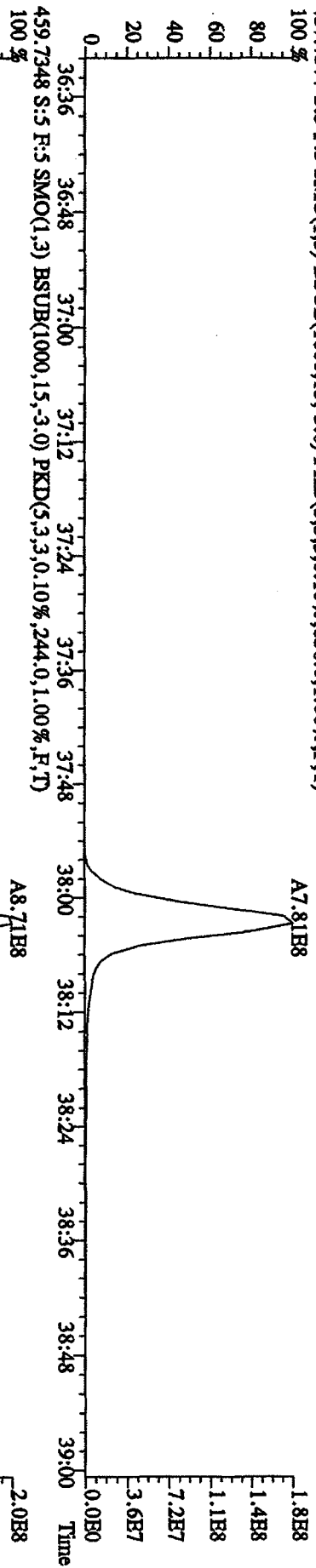
437.8140 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4768.0,1.00%,F,T)



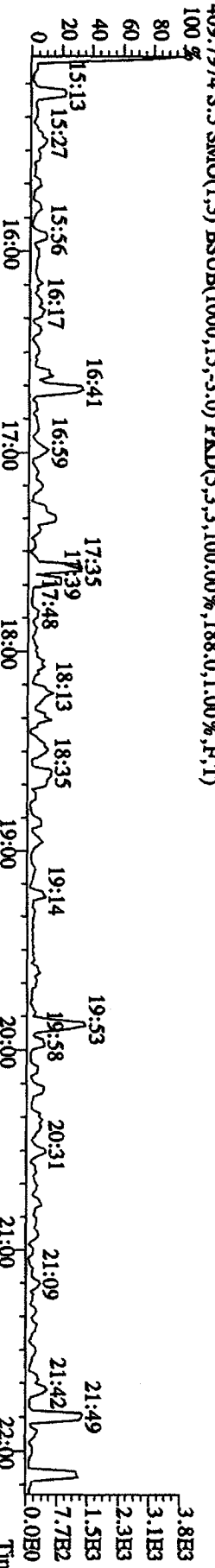
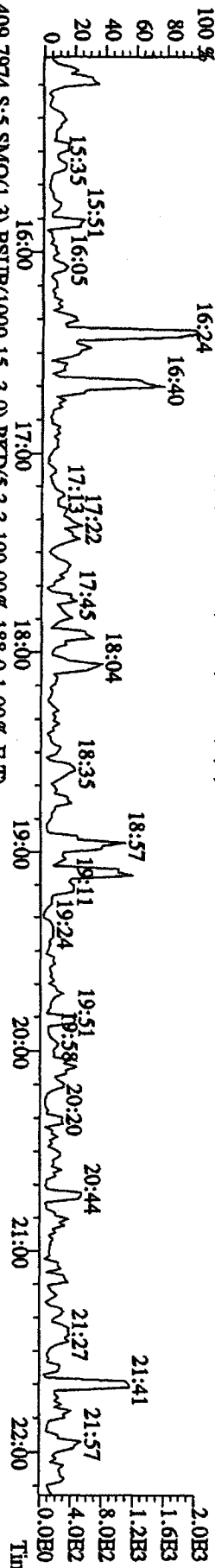
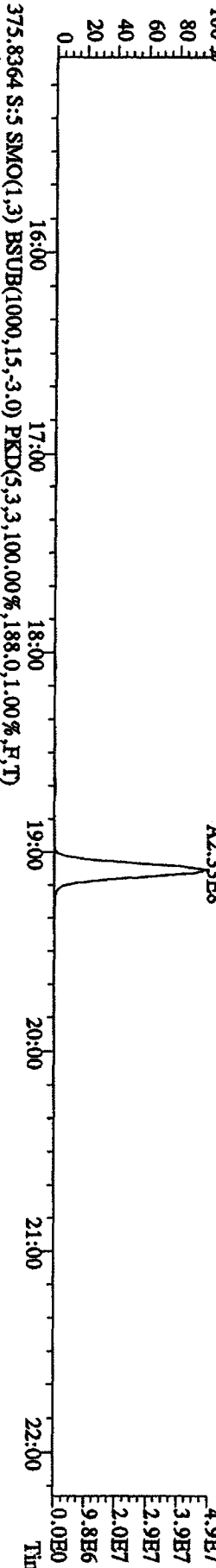
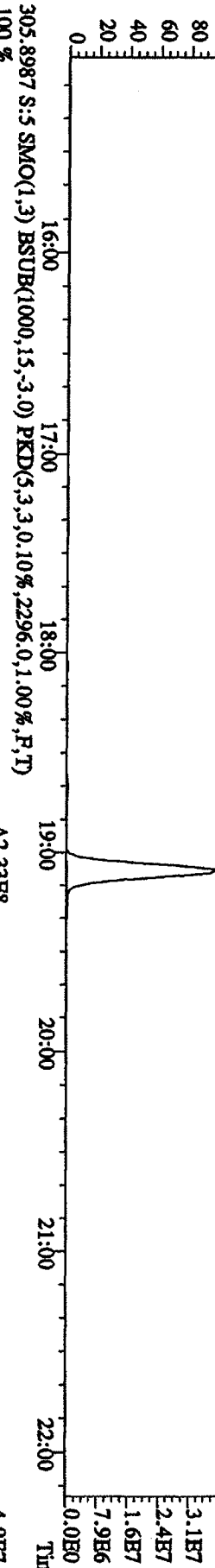
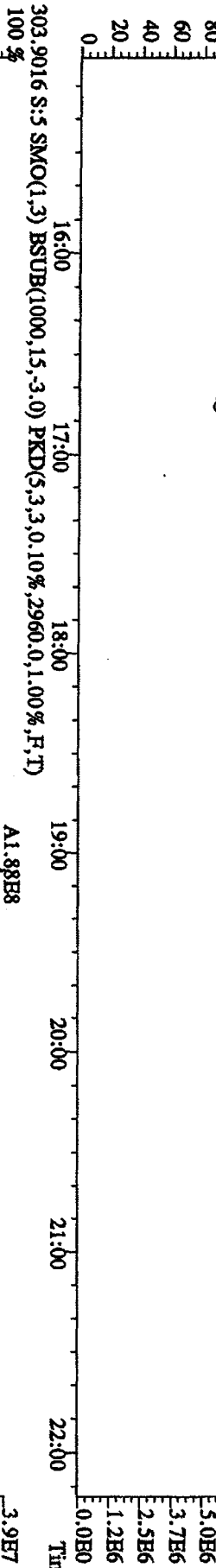
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRBS8290A
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)
 100 %



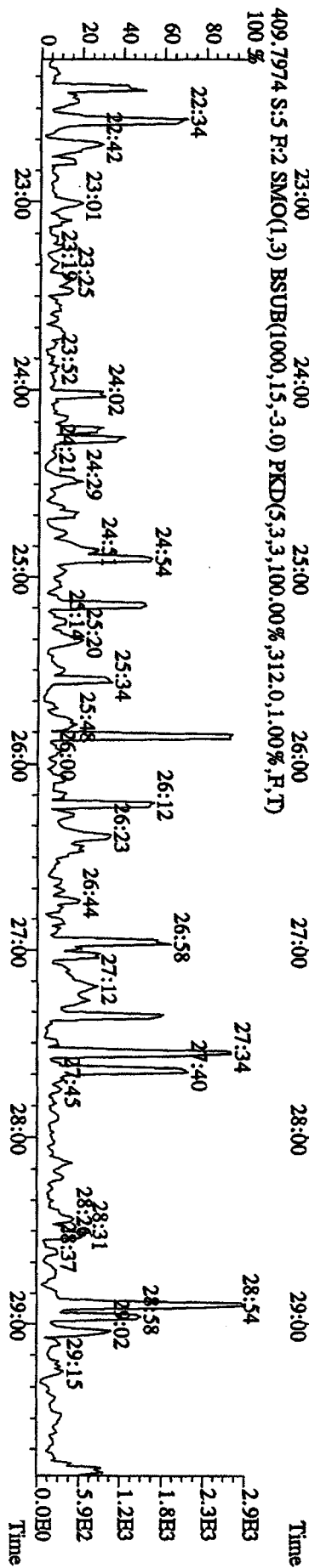
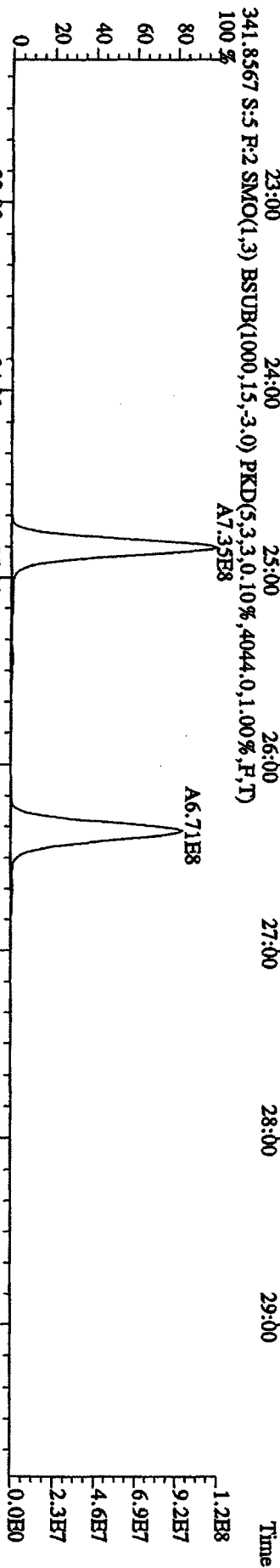
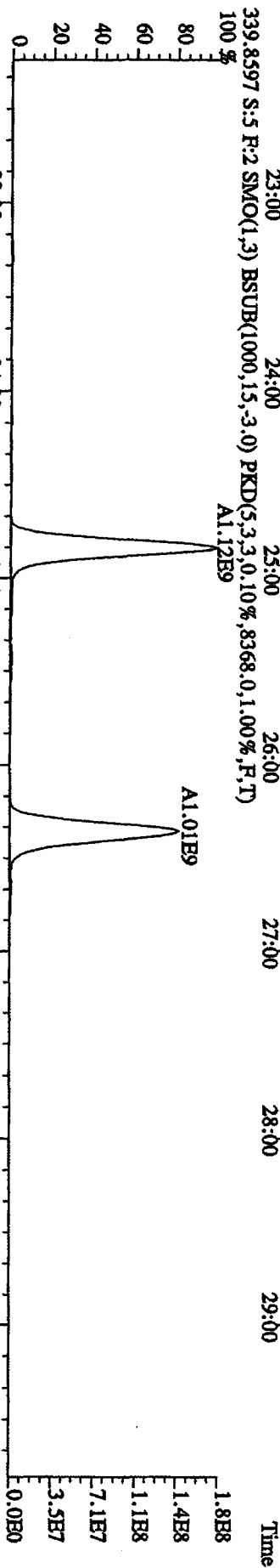
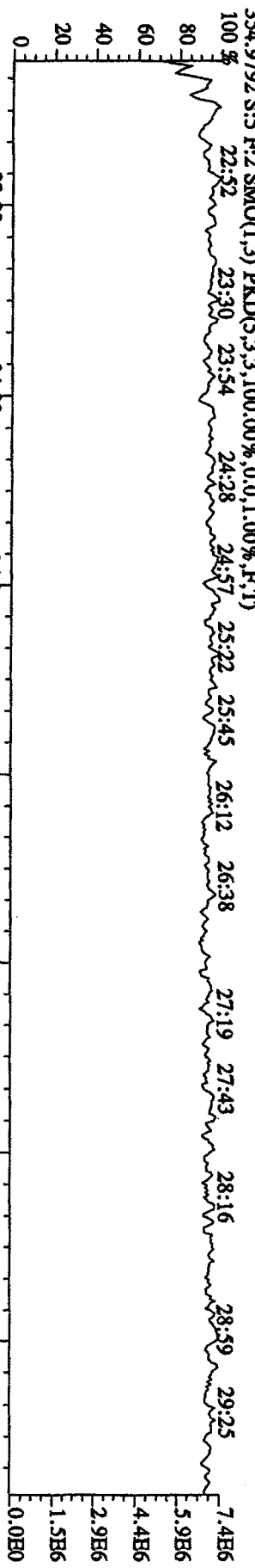
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,836,0.1,0.0%,F,T) 100 %

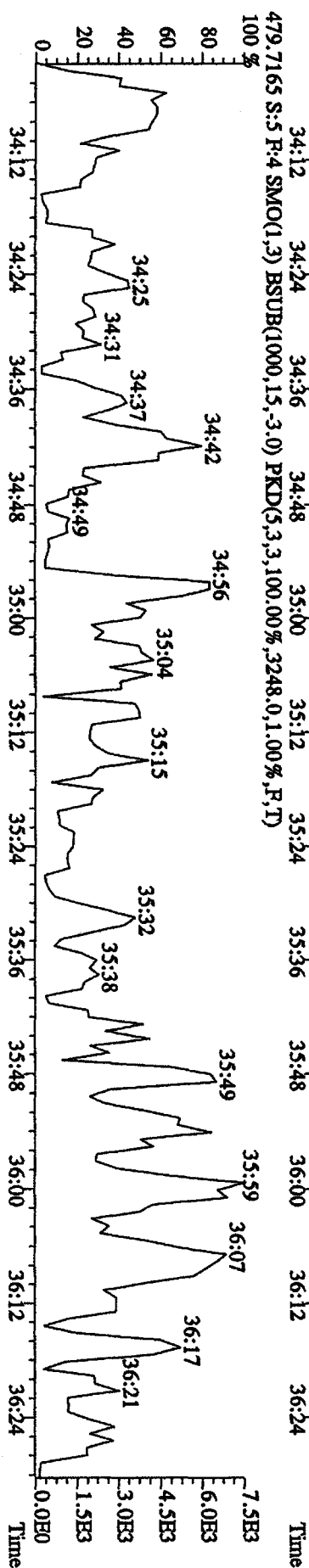
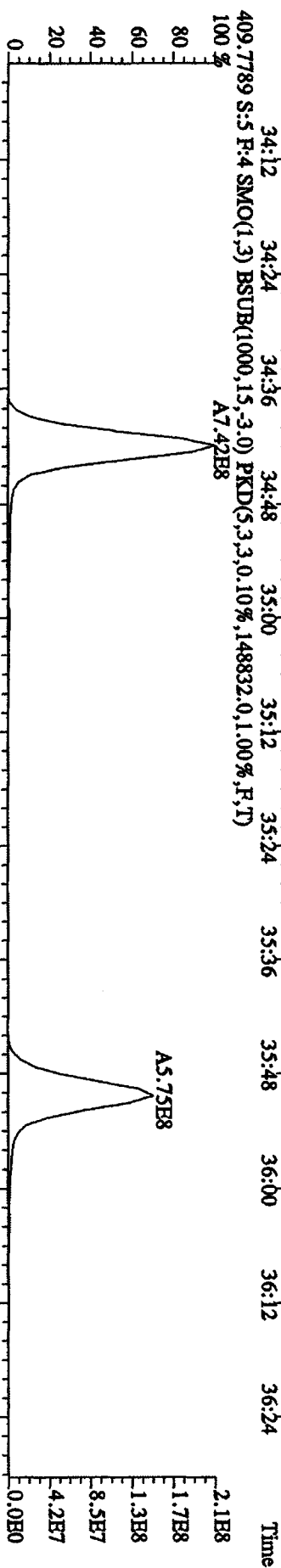
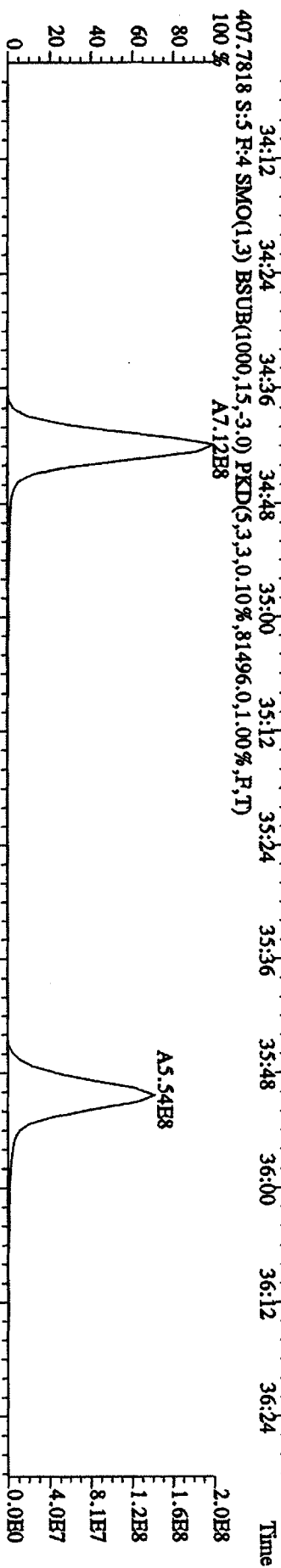
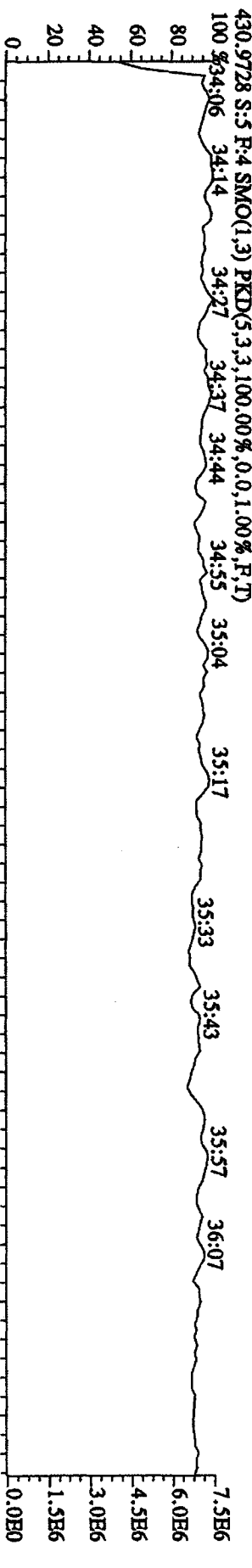


354.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 18:25 18:46 19:23 19:48 20:17 21:02 21:33 21:56
 100% 15:28 15:57 16:26 16:49 17:17 6.2E6
 5.0E6
 3.7E6
 2.5E6
 1.2E6
 0.0E0

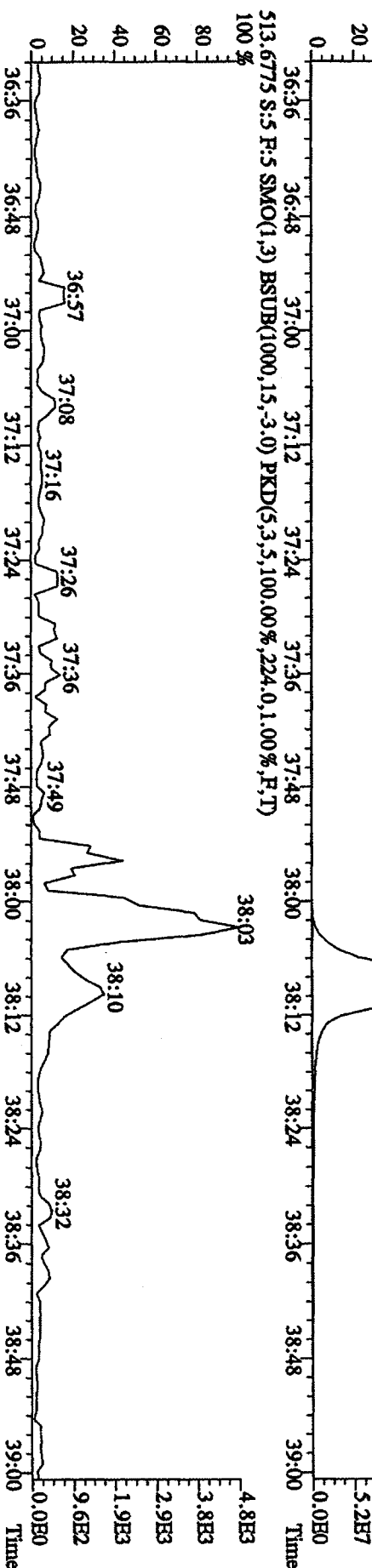
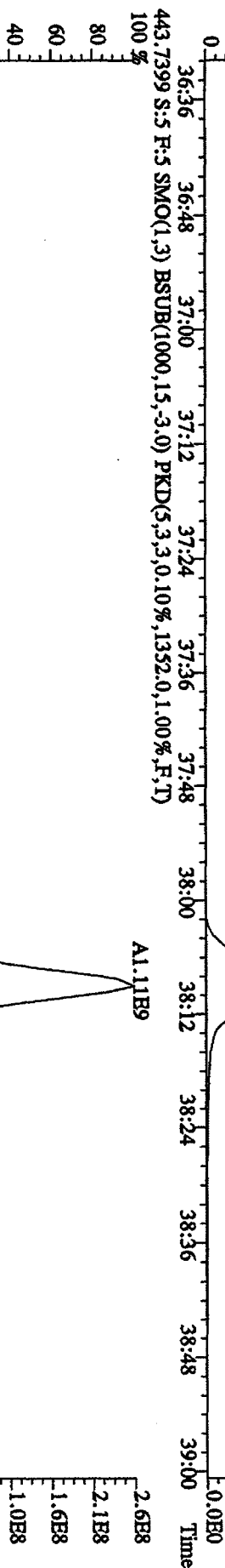
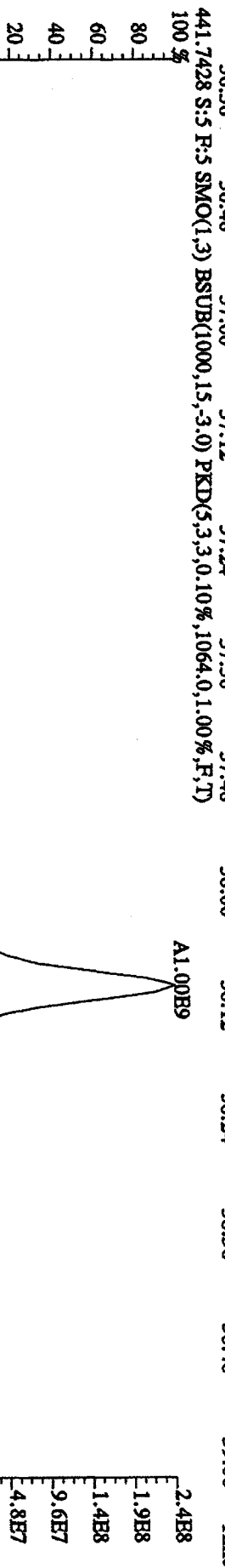
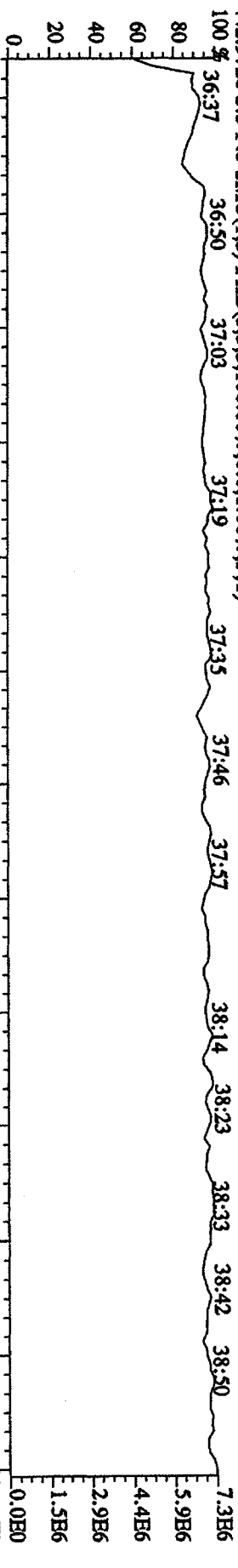


File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SFR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DYXN456 Exp:DIOXINRES8290A

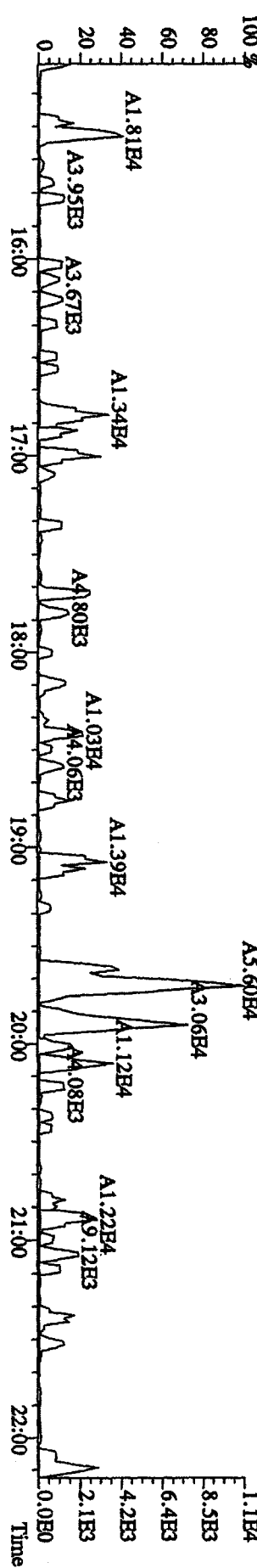
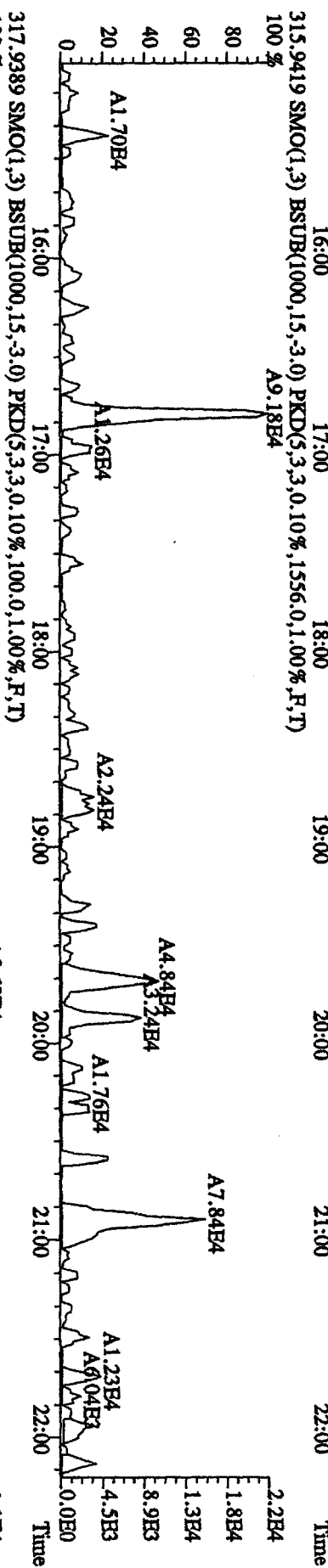
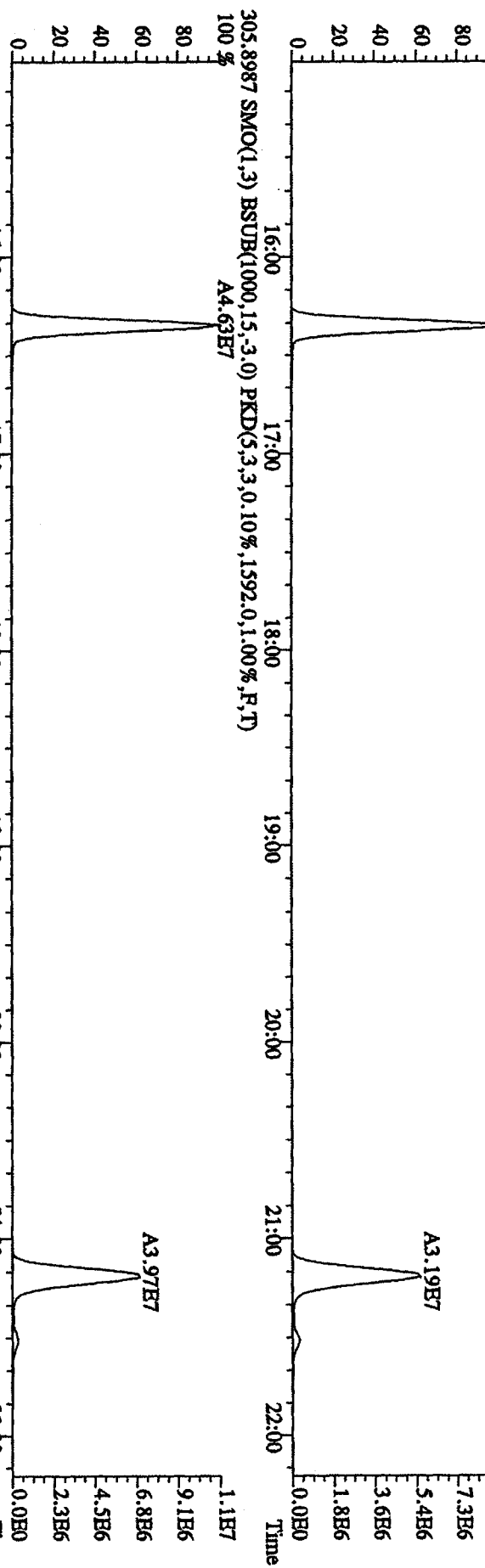




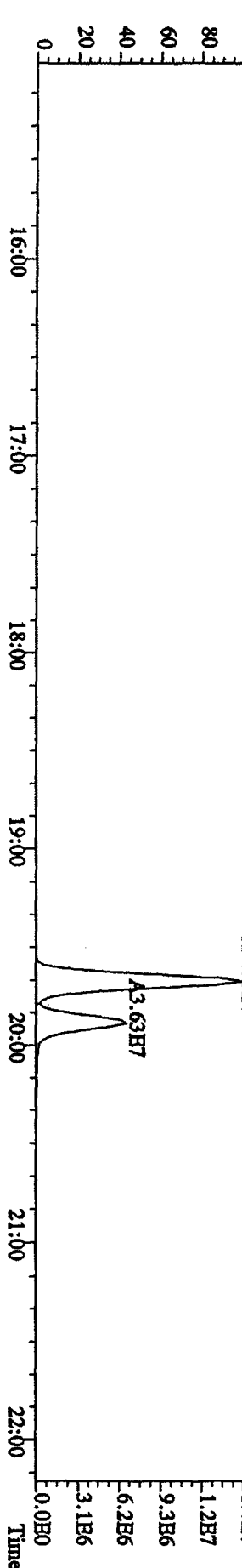
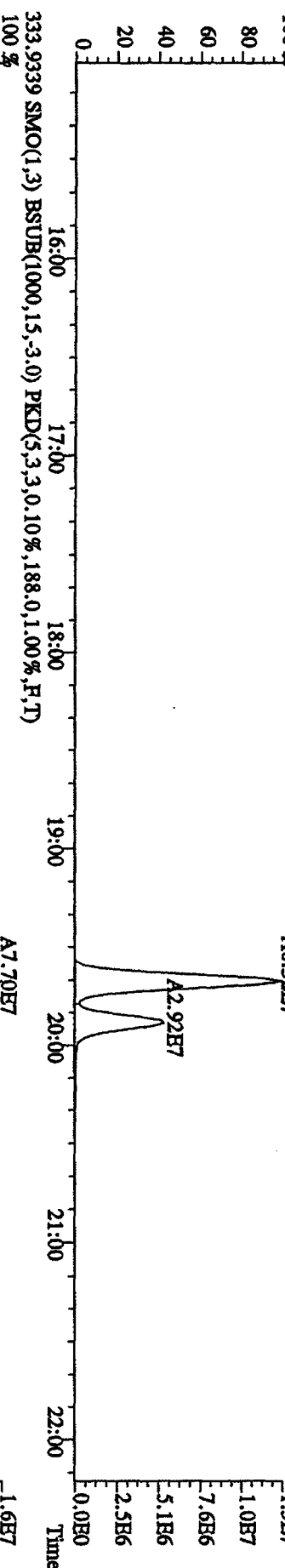
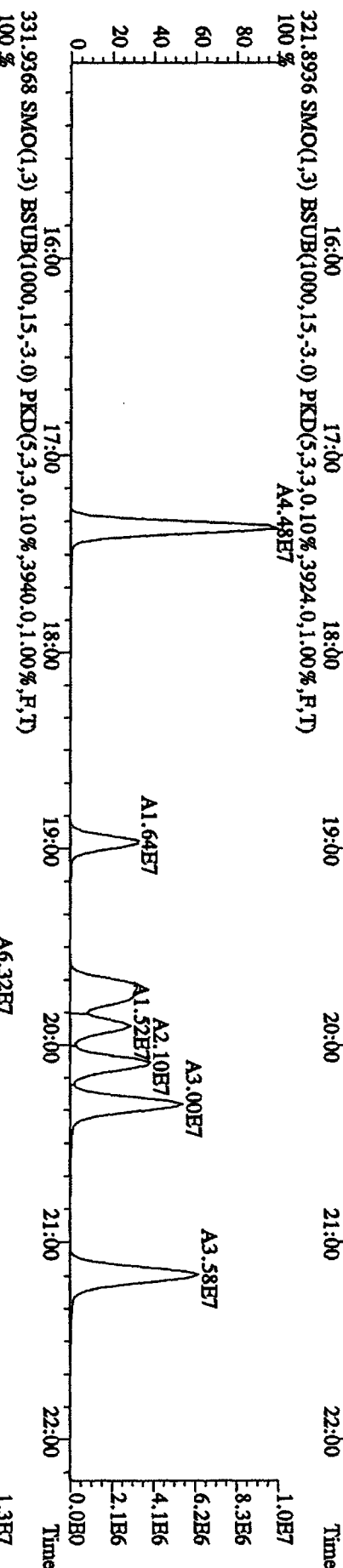
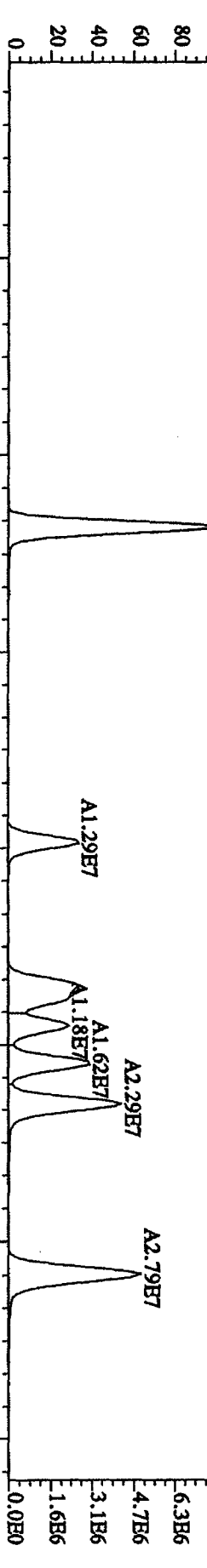
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



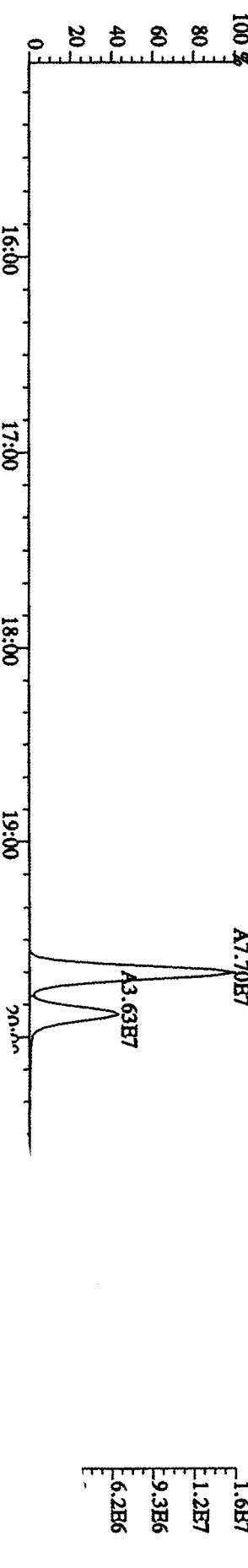
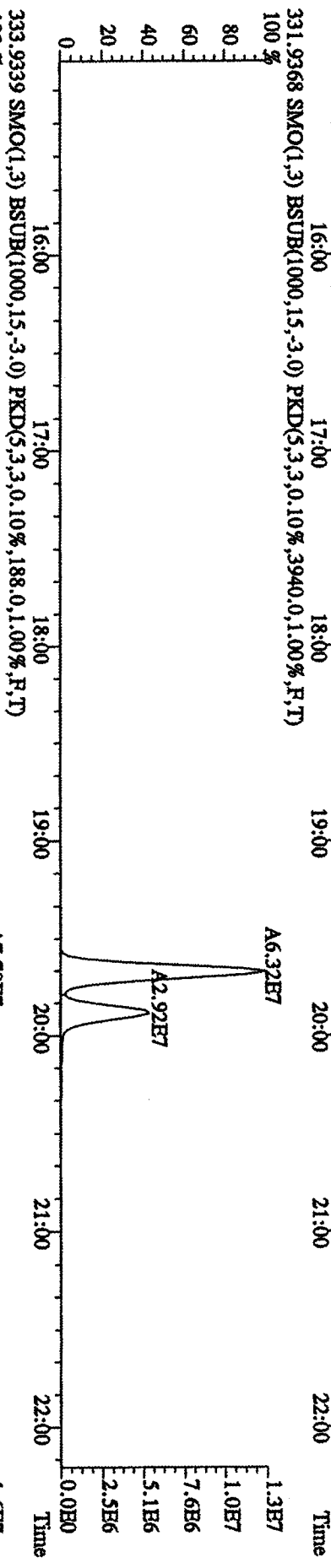
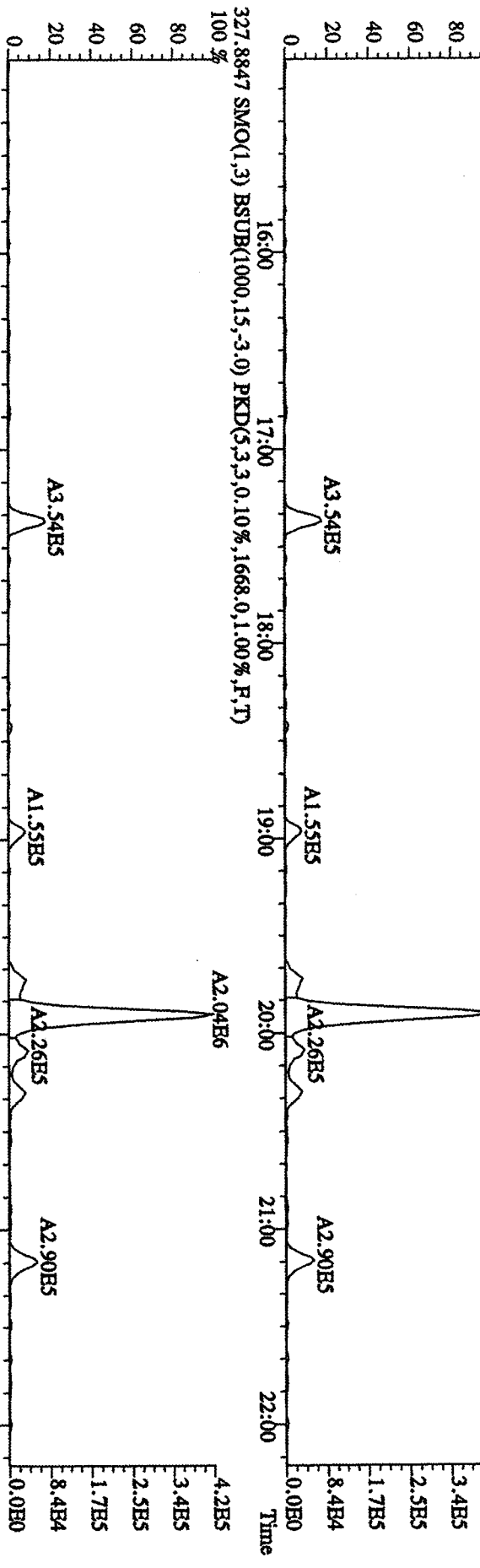
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC:EI+ Voltage:50V S/R:Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CFSM 3732-04 Exp.:DIOXINRES8290A
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,944.0,1.00%,F,T)
 100%



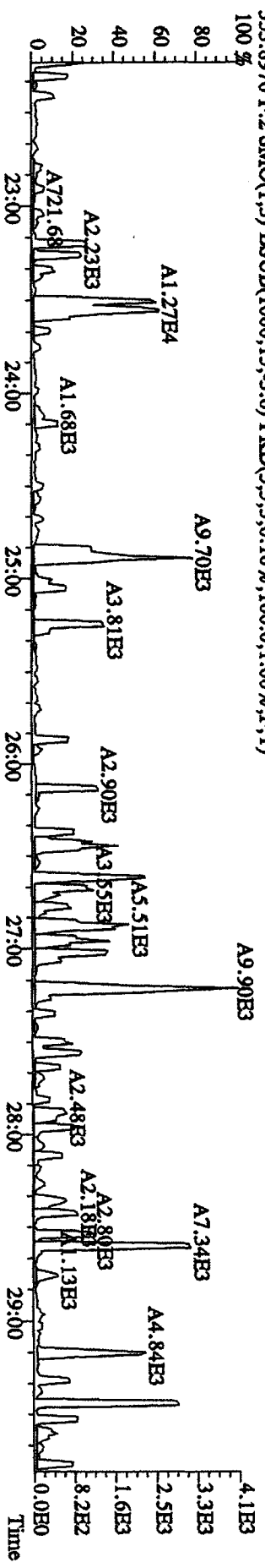
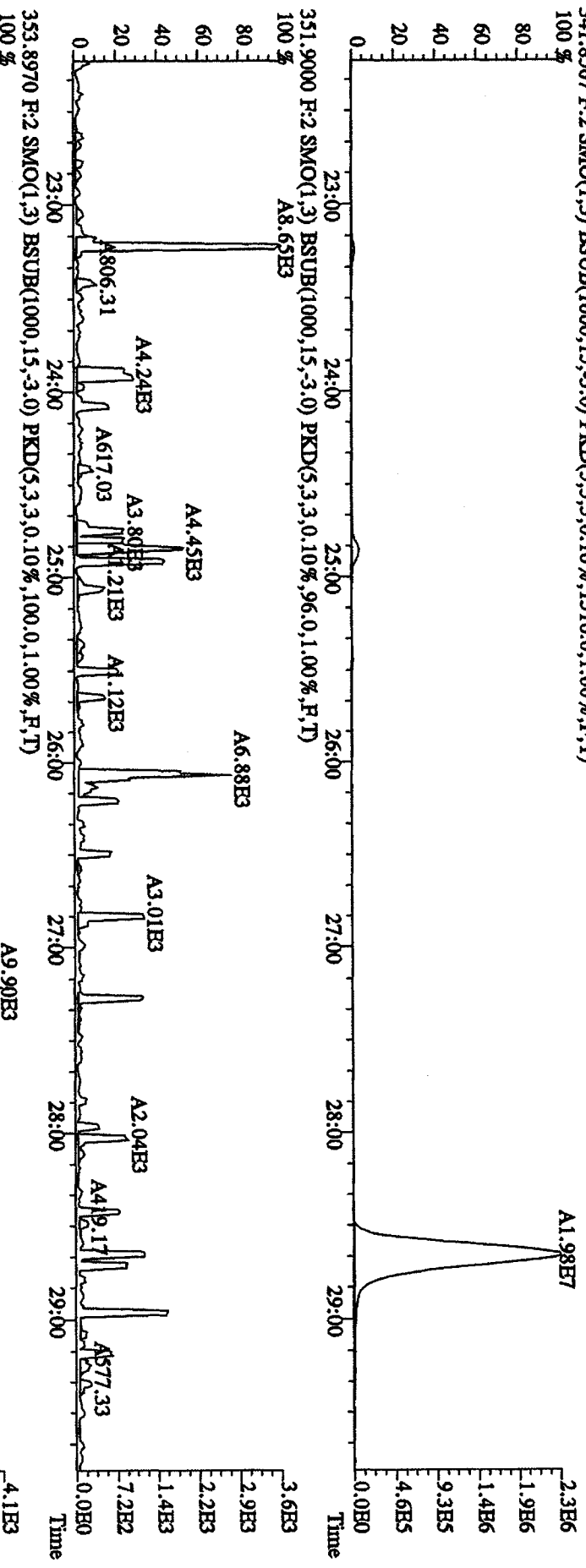
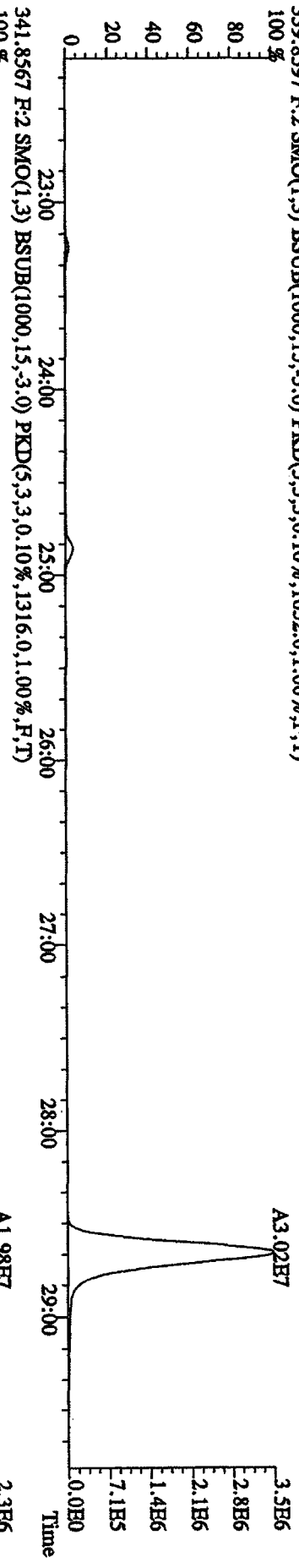
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1208.0,1.00%,F,T)
 100% A3.43E7



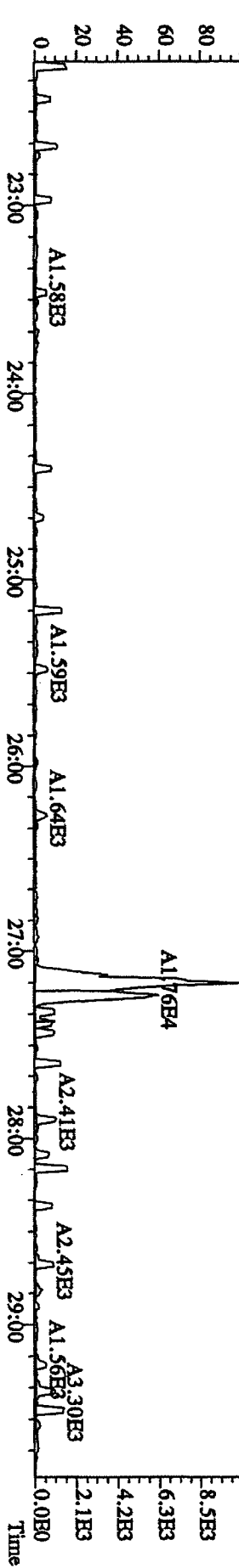
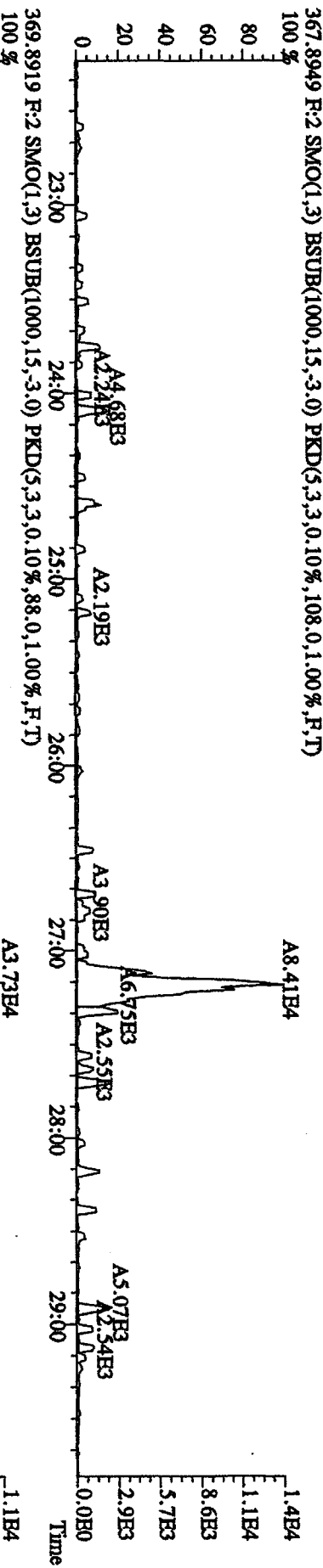
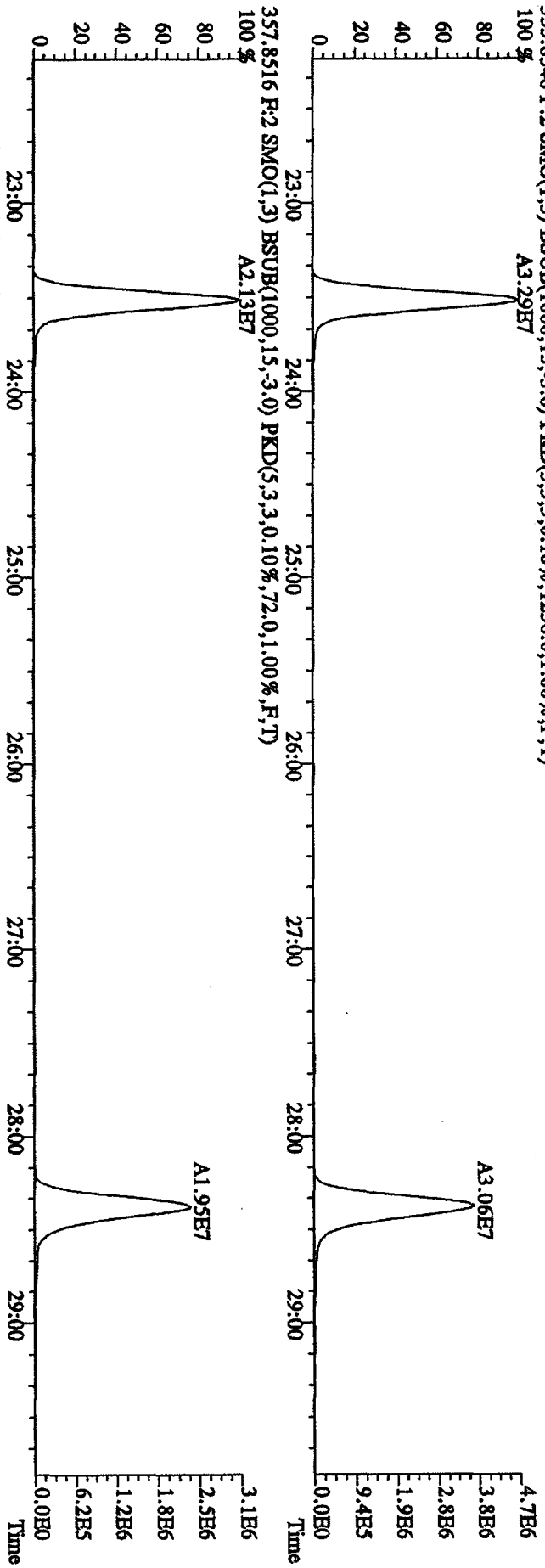
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1668.0,1.00%,F,T) 100%



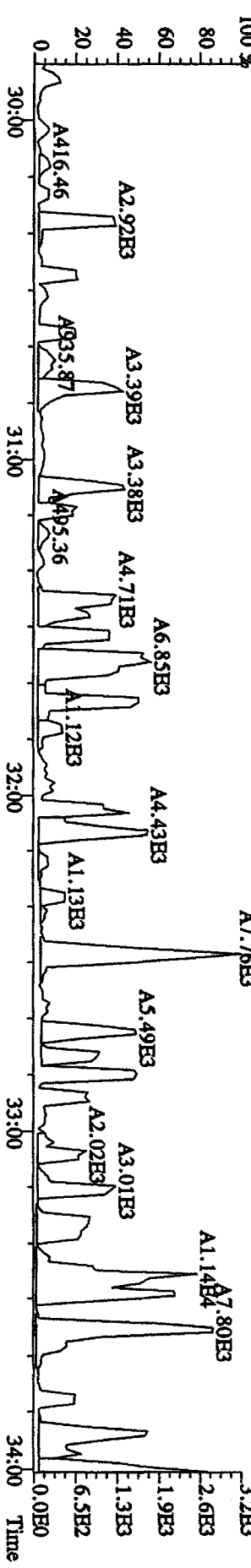
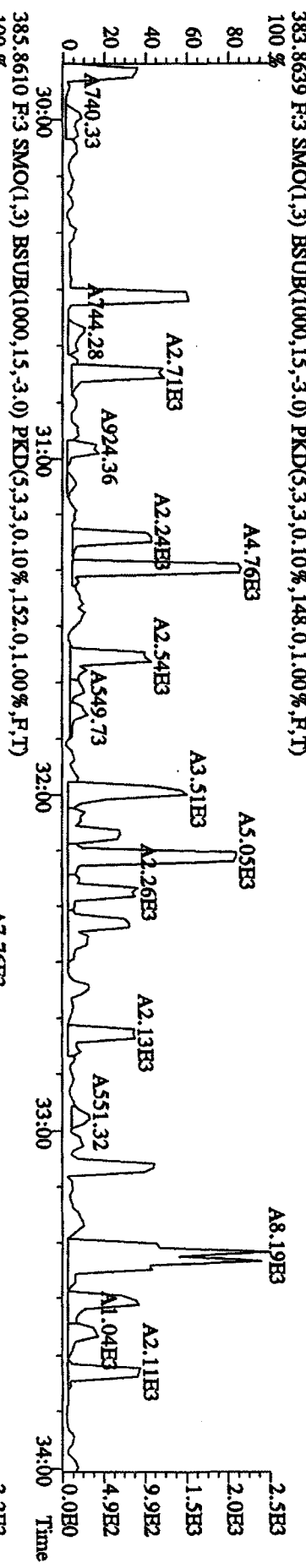
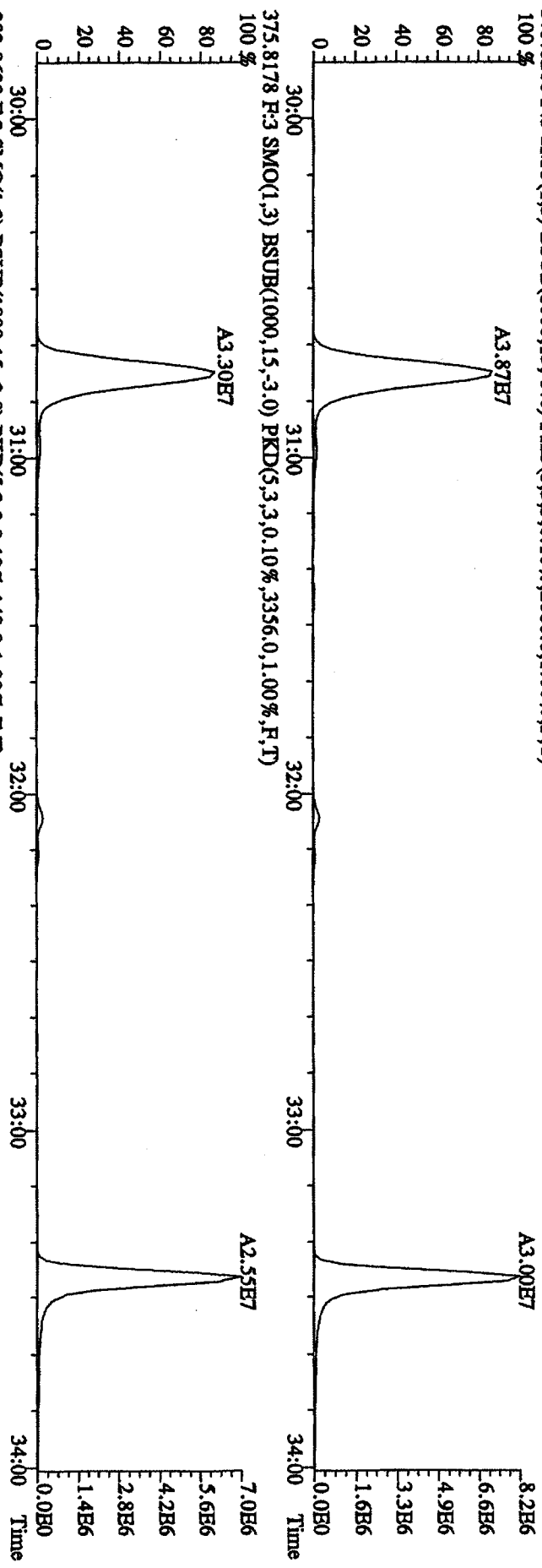
File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1652.0,1.00%,F,T) 100 %



File: 12AP104D5 #1-605 Acq: 12-APR-2010 08:30:15 GC EI + Voltage SIR 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)
 100% A3.29E7



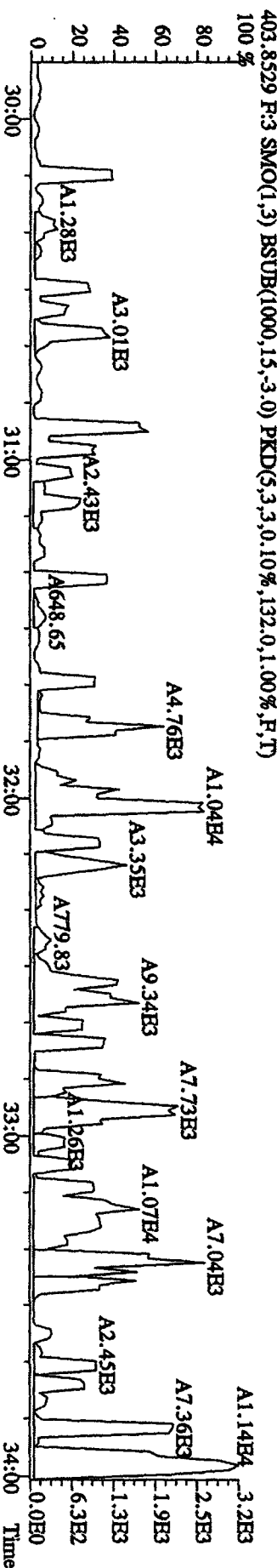
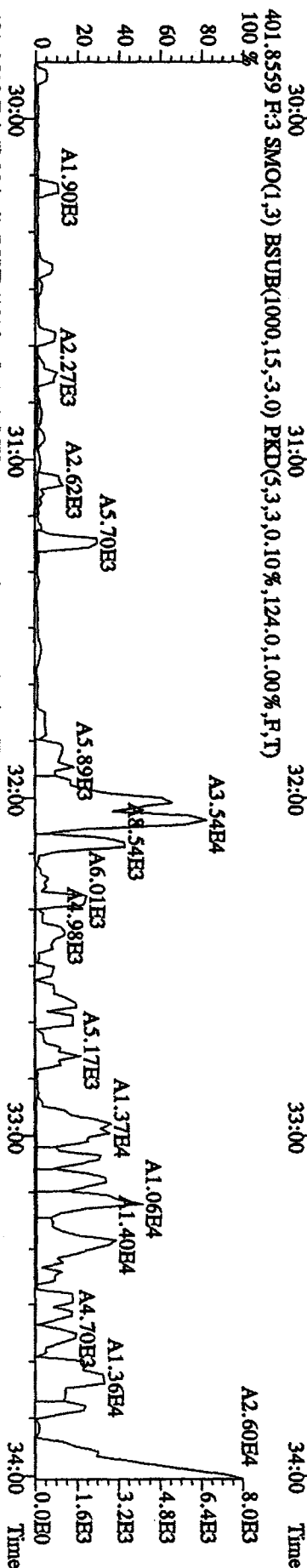
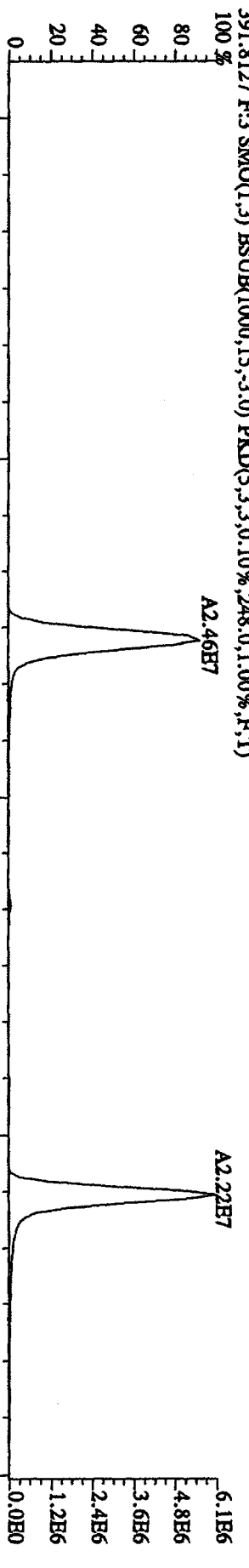
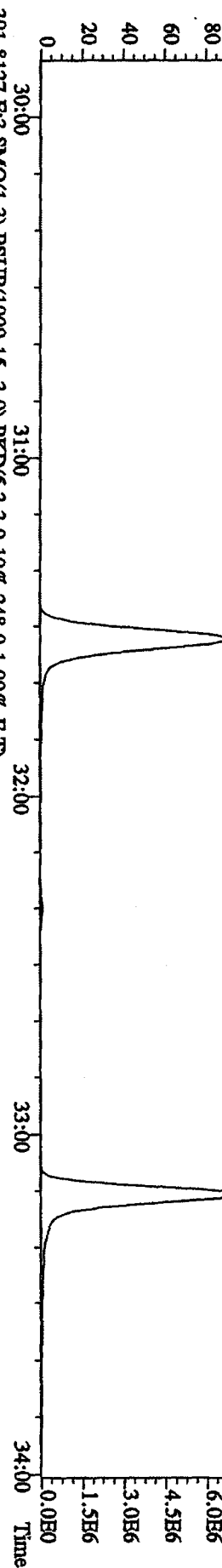
File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2080,0,1,00%,F,T)
100 %



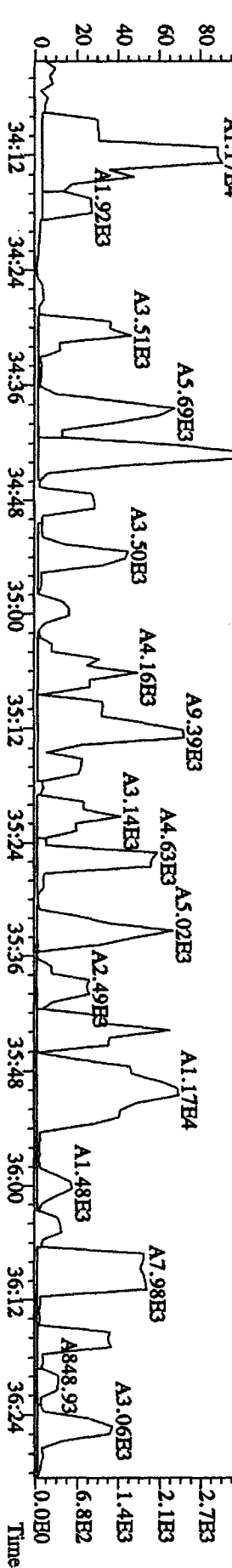
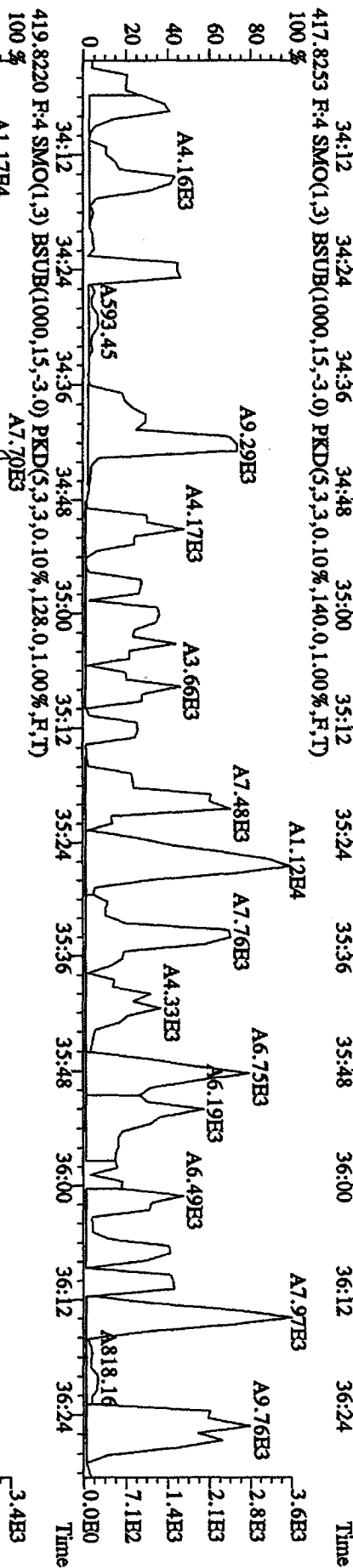
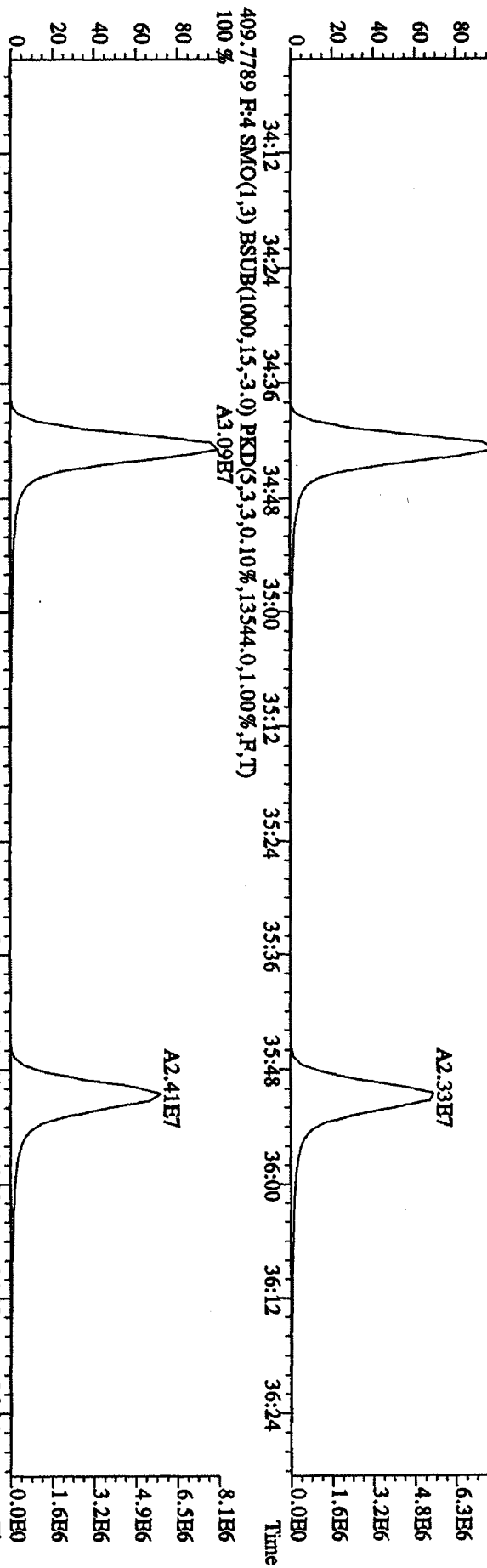
File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimat

Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

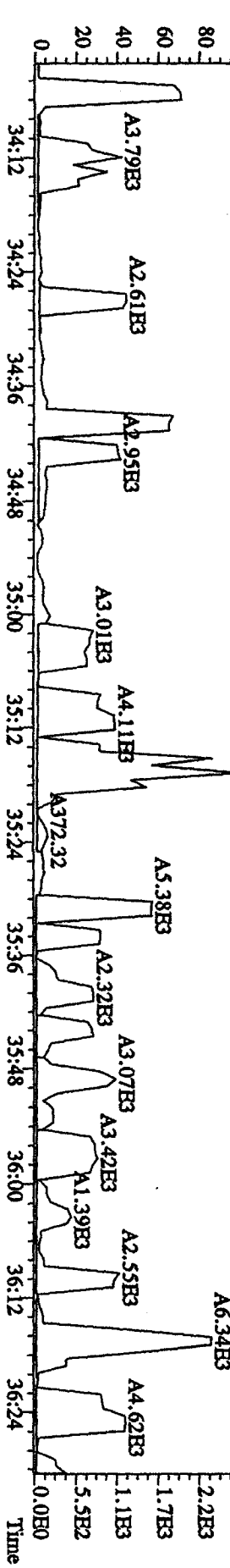
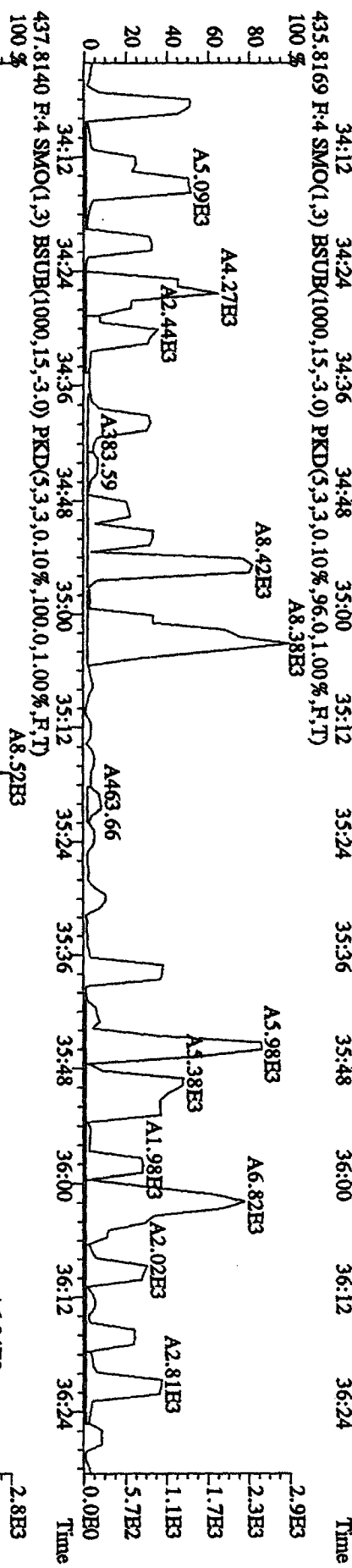
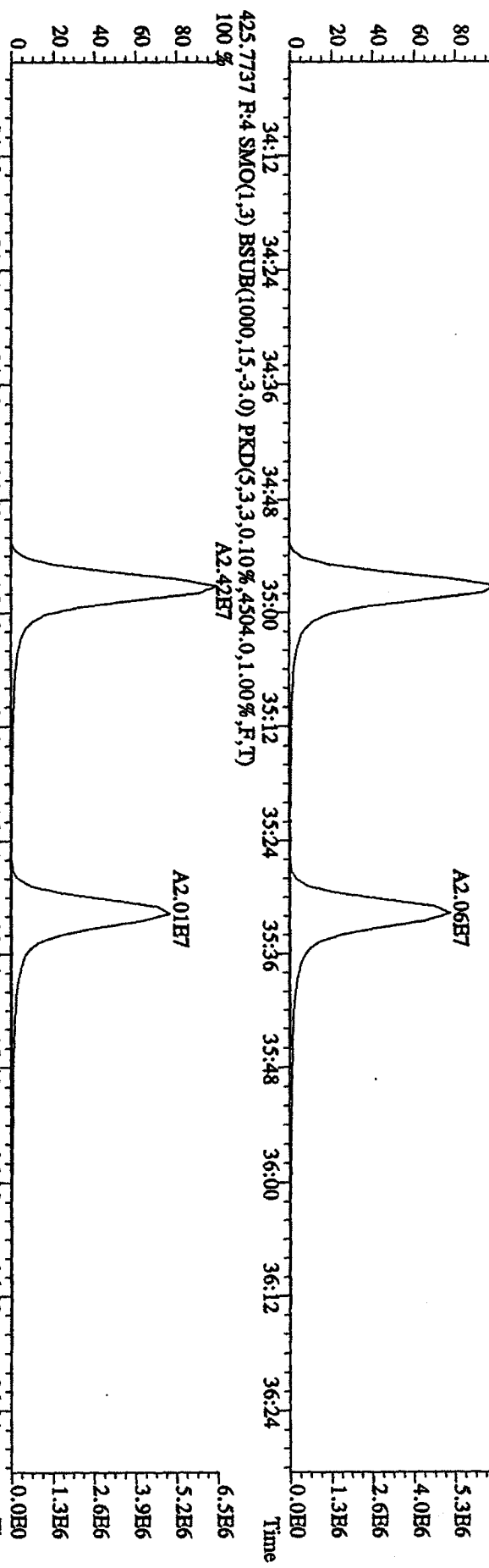
389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,448.0,1.00%,F,T)



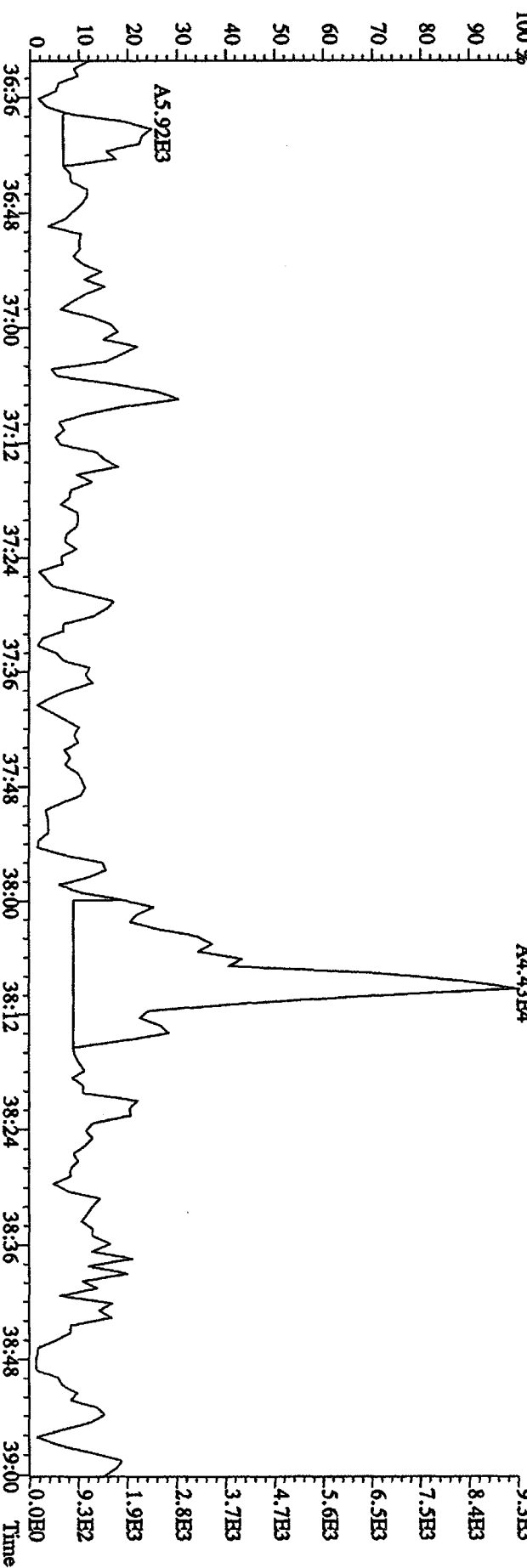
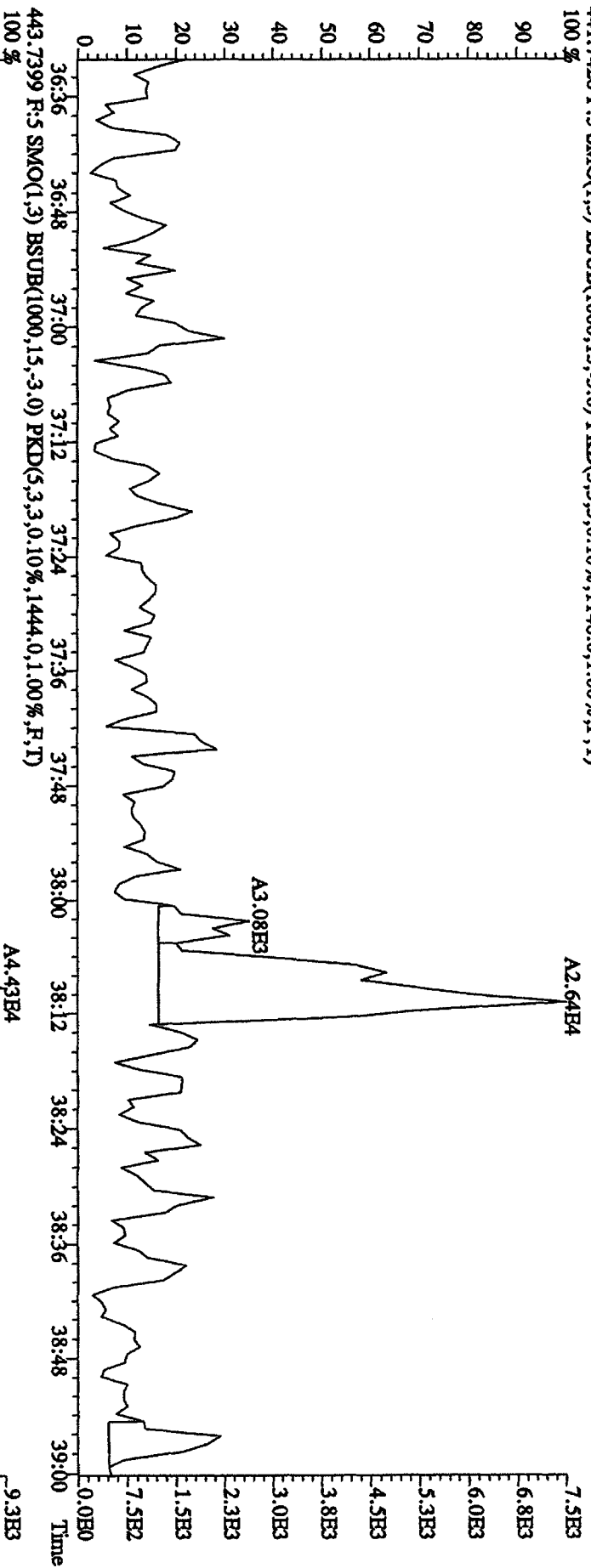
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC HF+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,14896,0.1,0.00%,F,T)
 A2.99E7



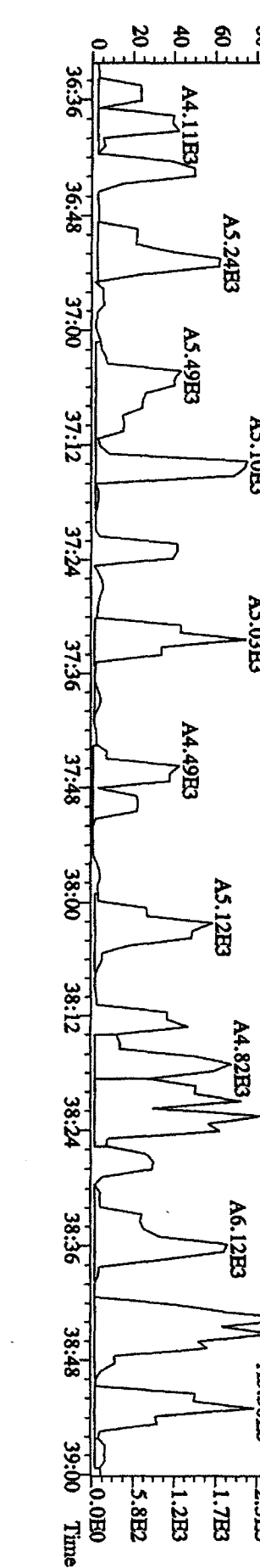
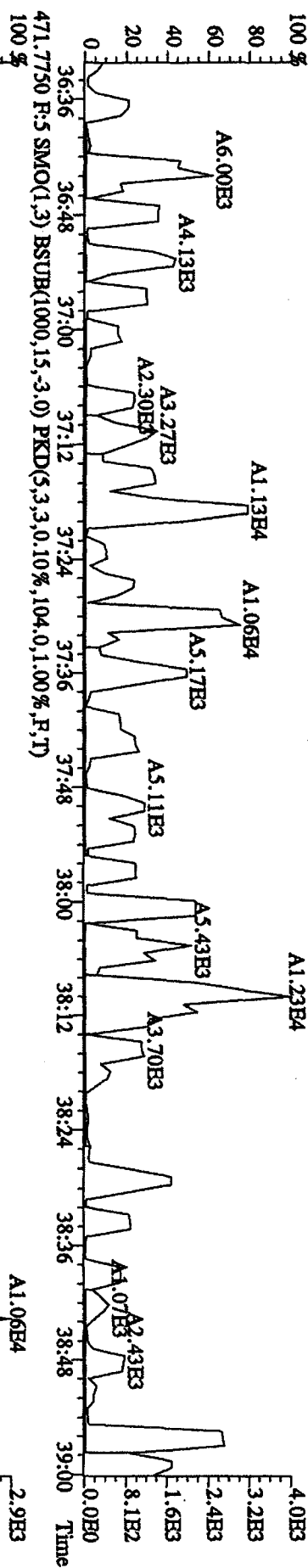
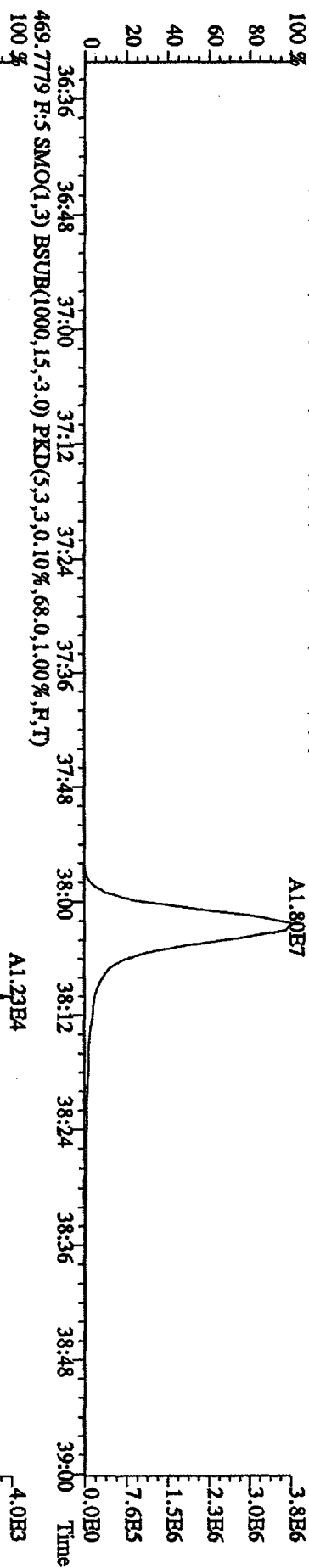
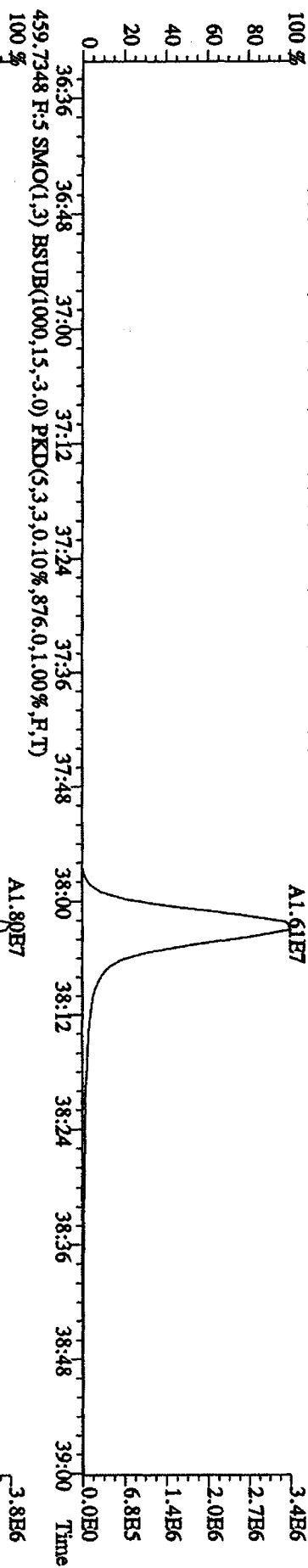
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRHS8290A
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5932.0,1.00%,F,T) A2.50E7



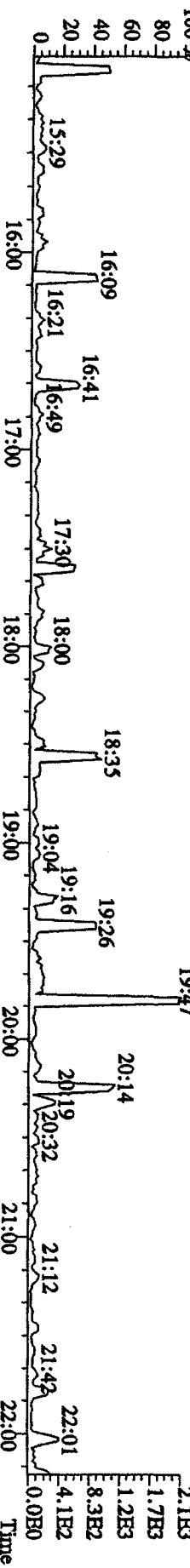
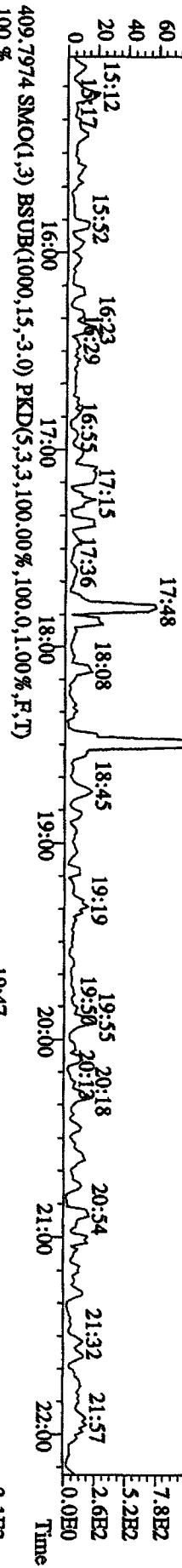
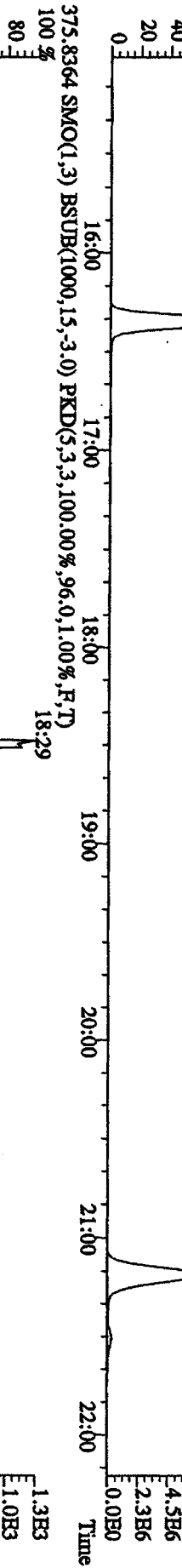
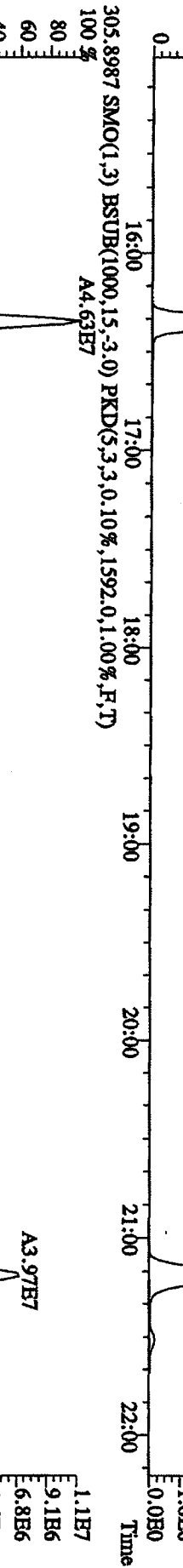
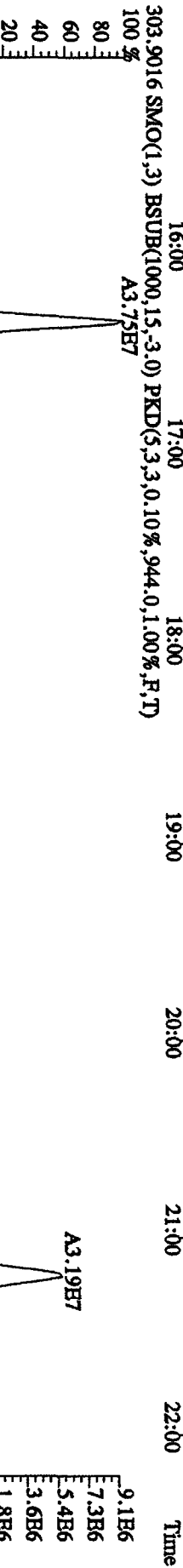
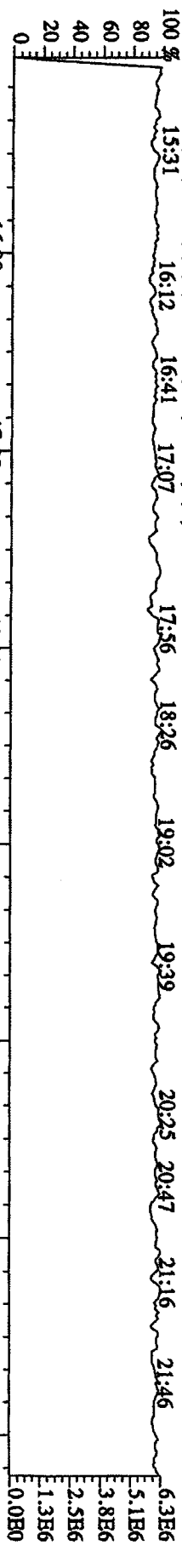
File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC HI + Voltage SIR Autospec-UltimaB
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1148,0,1.00%,F,T)



File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 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)
 100%

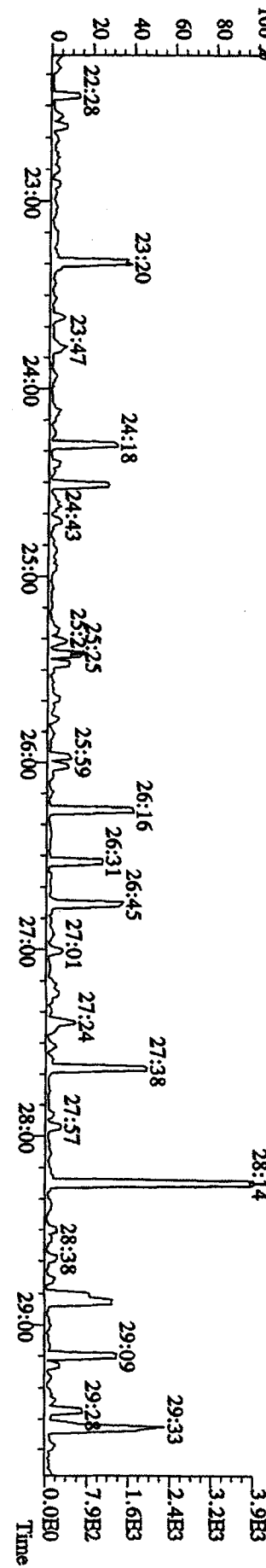
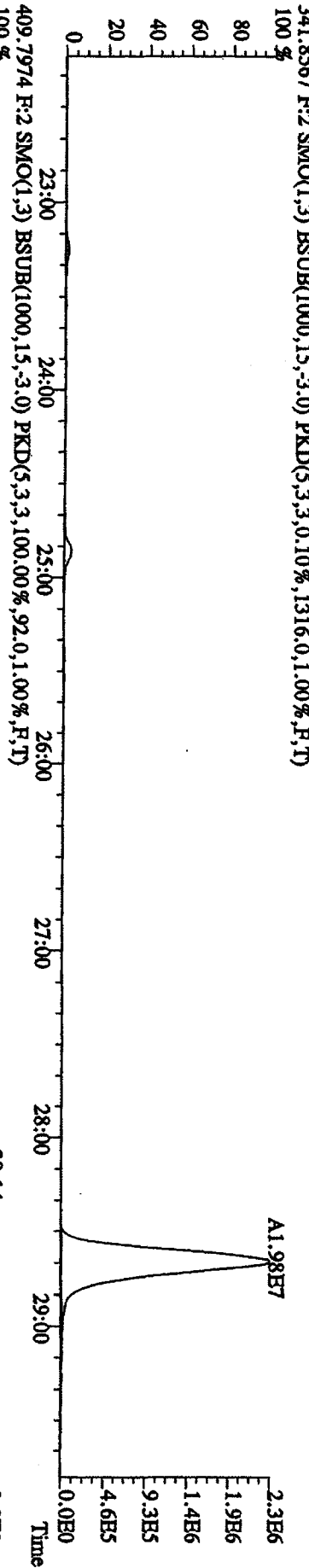
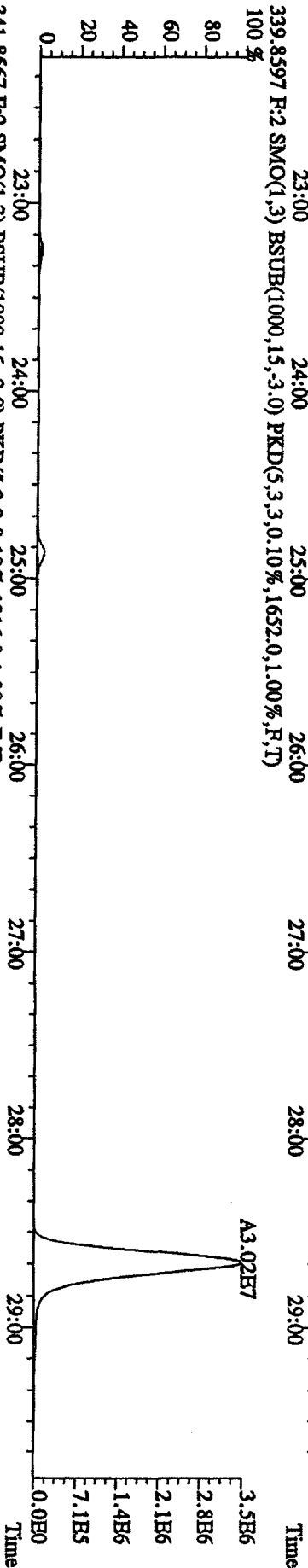
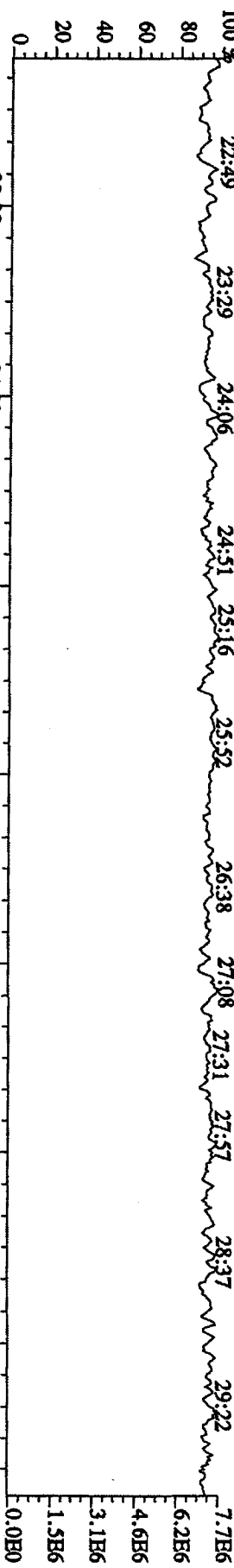


File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A
 354.9792 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

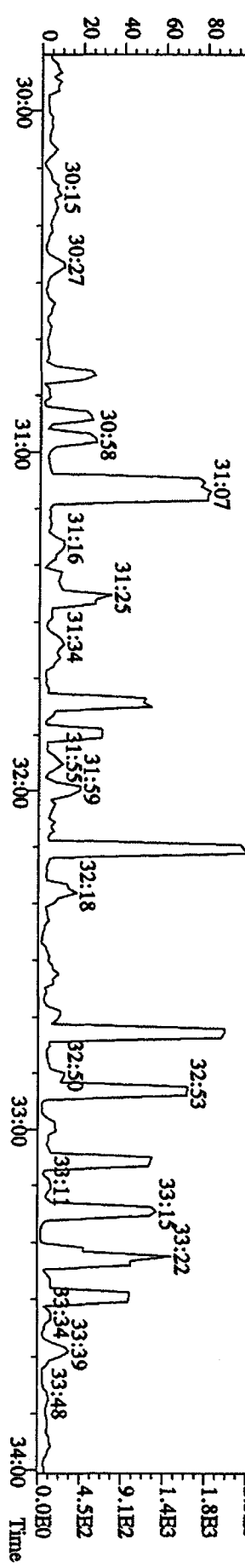
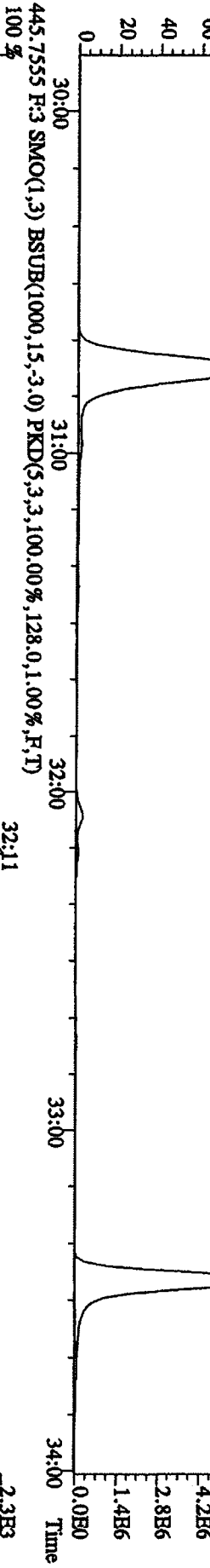
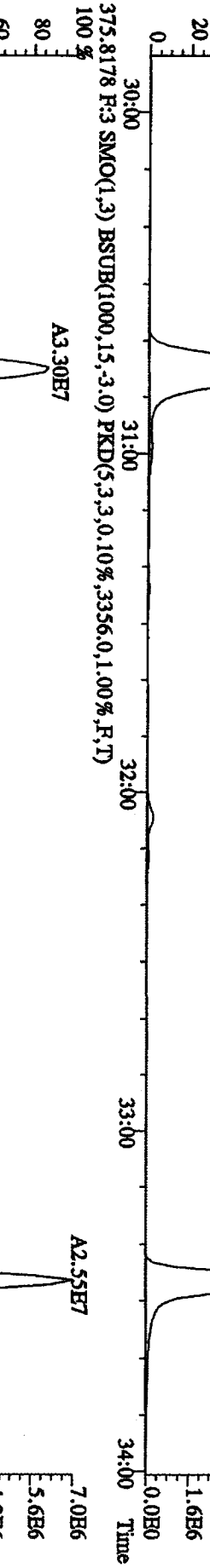
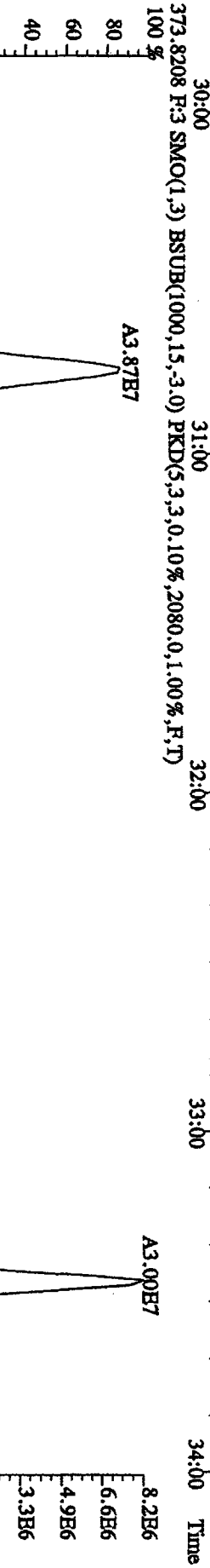
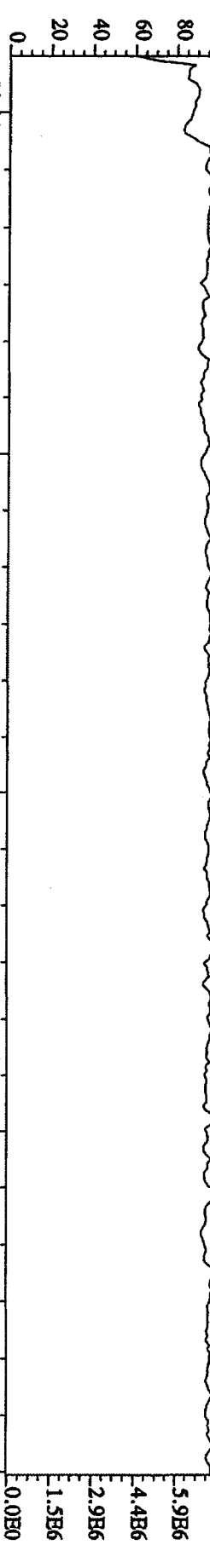


File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC HI+ Voltage SIR Autospec-UltimaE

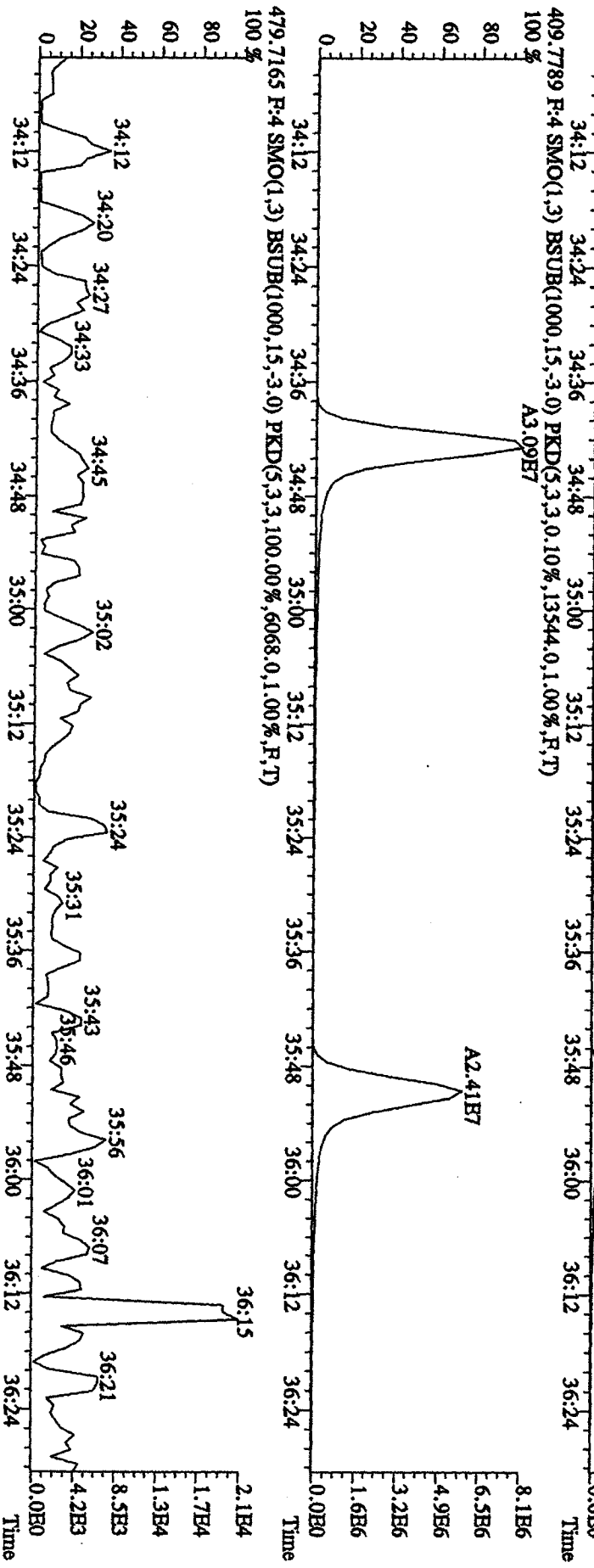
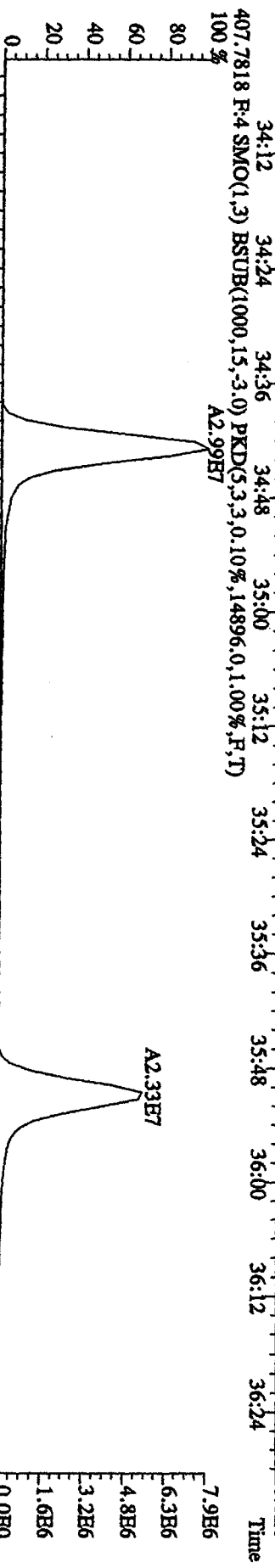
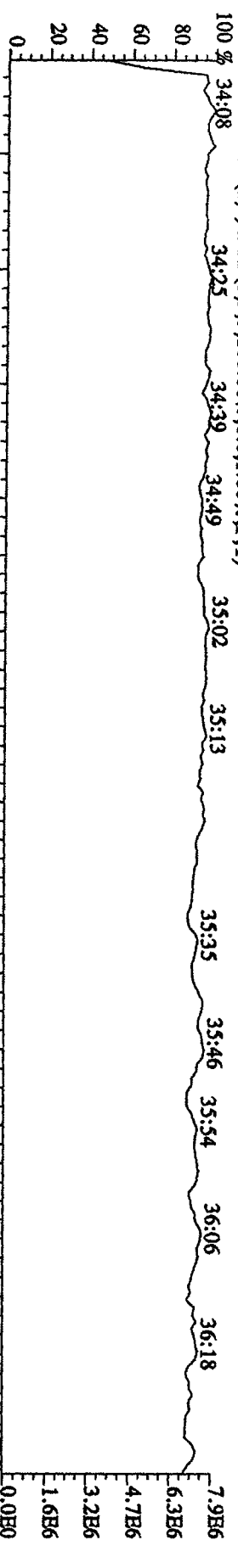
Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A



File: 12AP104D5 #1-317 Acq: 12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text: CP0412 :DB-5 CP5M 3732-04 Exp: DIOXINRES8290A
 430.9728 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 30:12 30:43 30:58 31:15 31:32 31:47 32:01 32:28 32:42 32:58 33:11 33:25 33:46



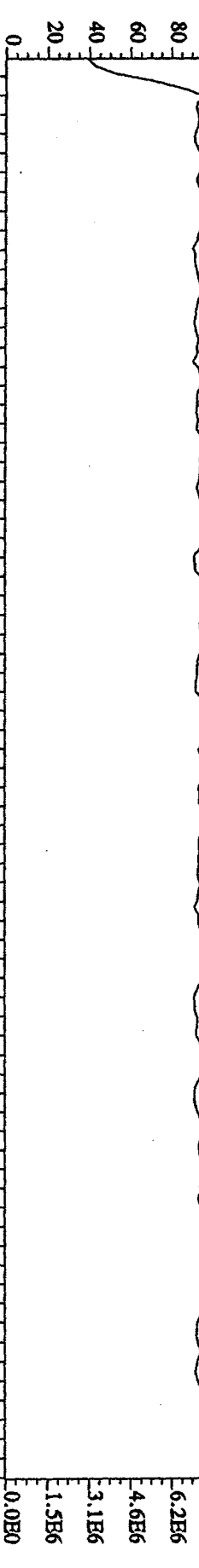
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A



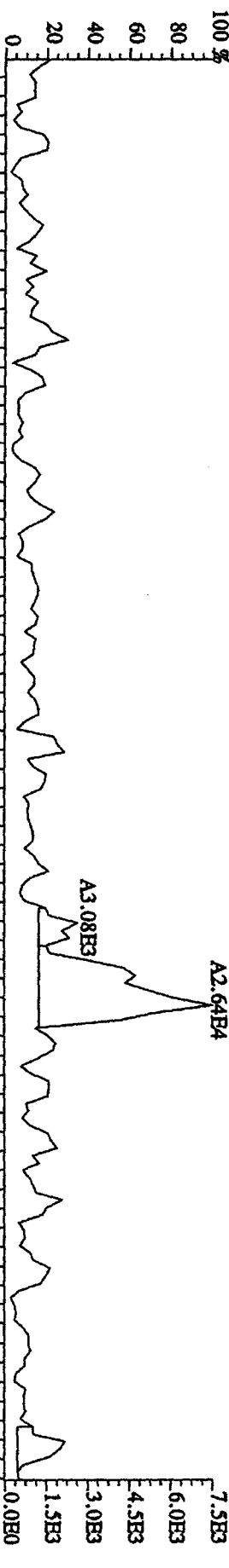
File: 12AP104D5 #1-190 Acq: 12-APR-2010 08:30:15 GC EI + Voltage SIR Autospec-UltimaB

Sample#1 Text: CP0412 : DB-5 CP5M 3732-04 Exp: DIOXINRES8290A

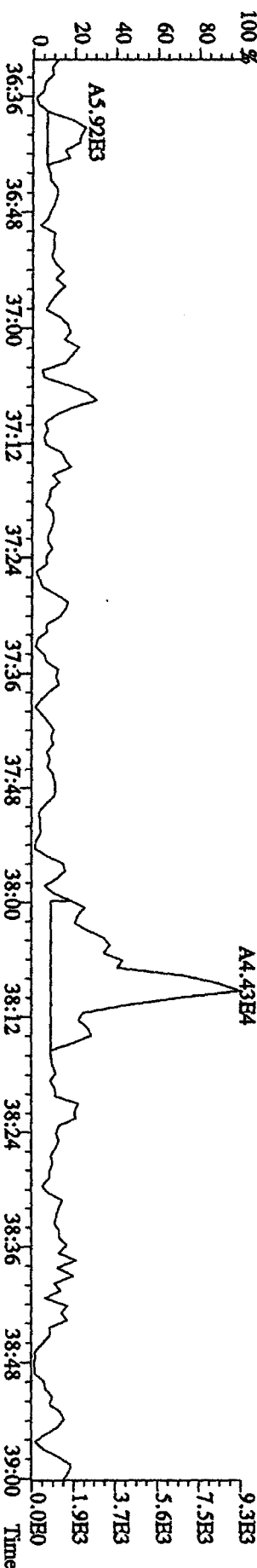
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



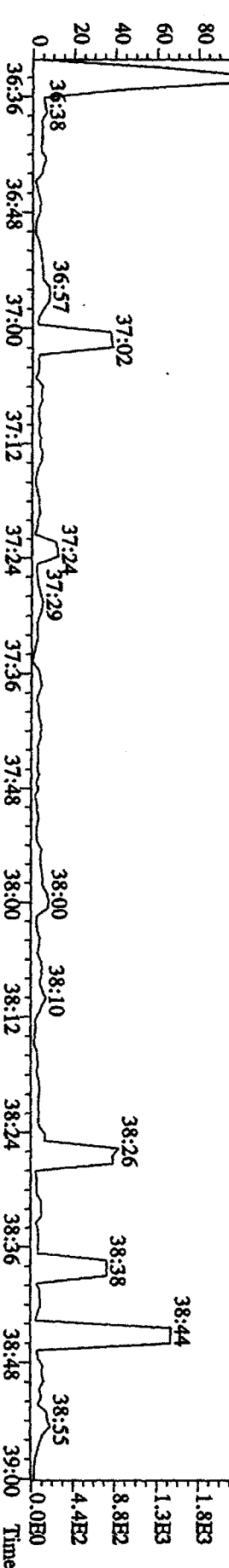
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1148.0,1.00%,F,T)



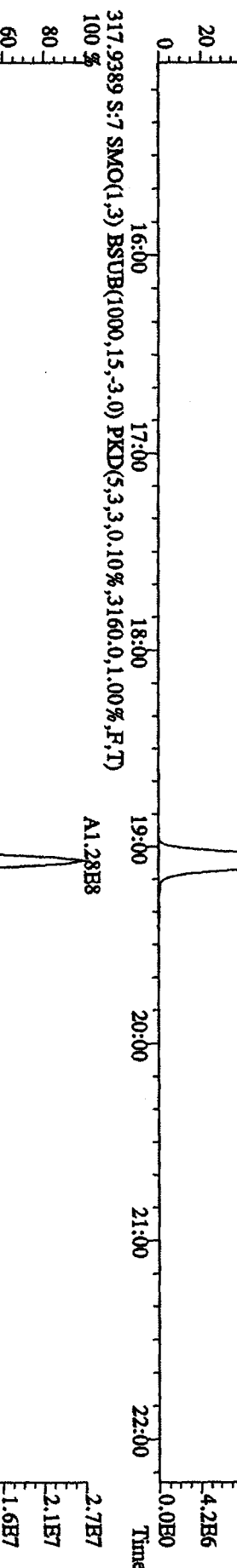
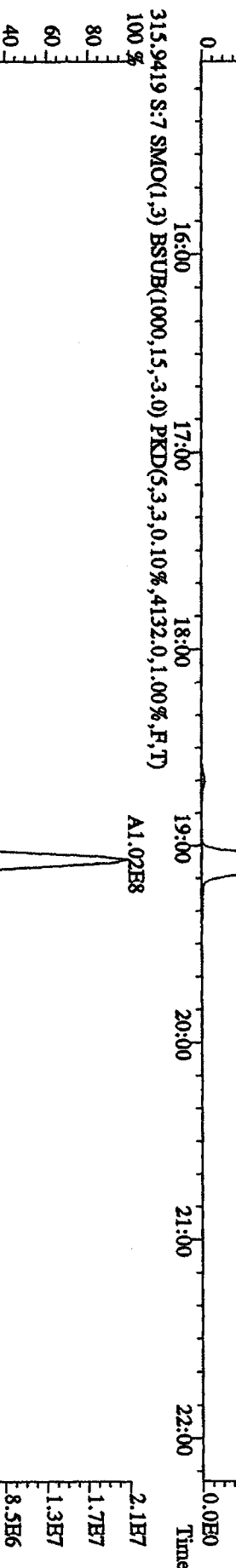
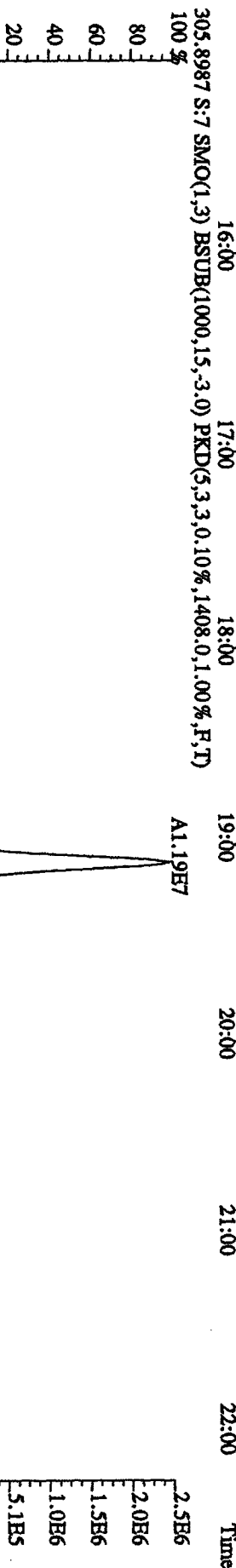
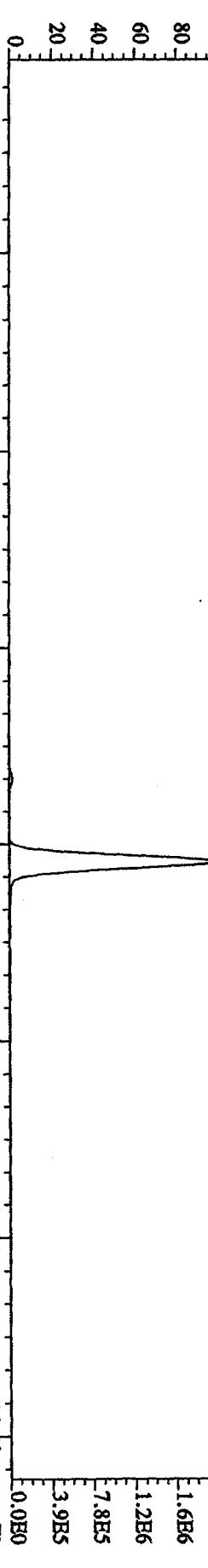
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)



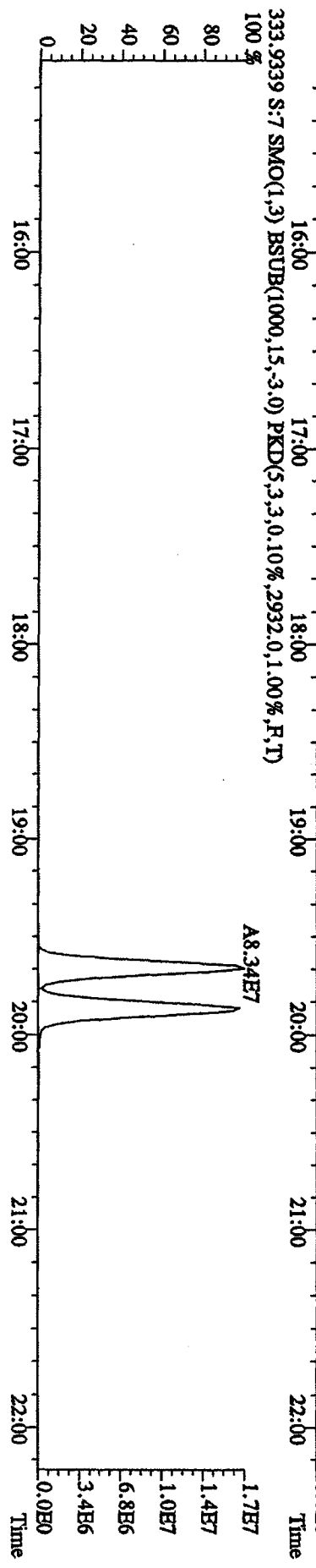
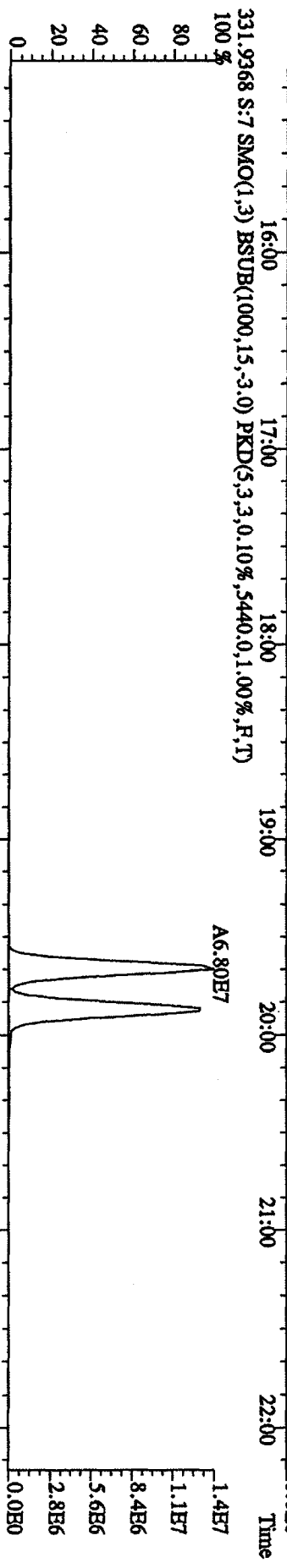
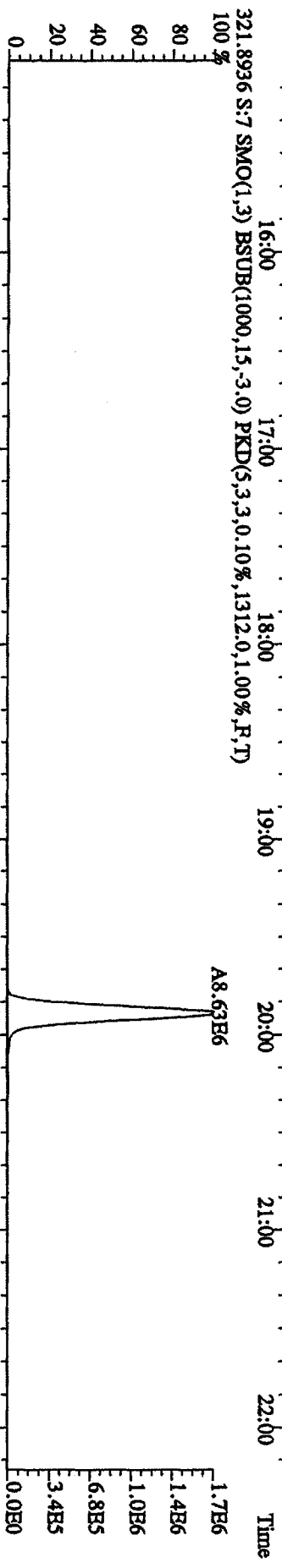
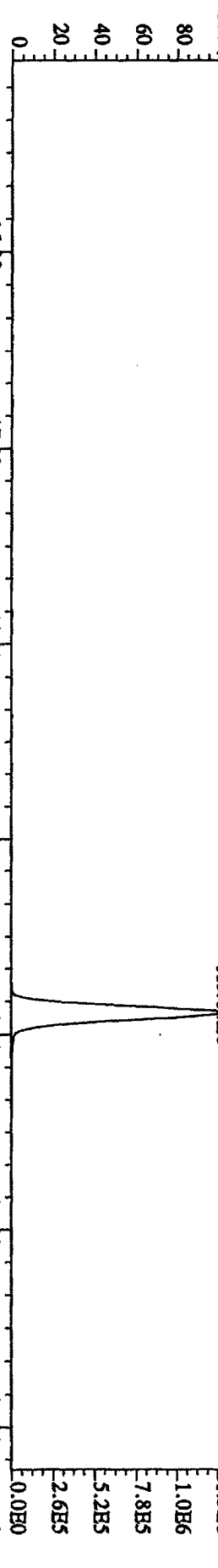
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,96.0,1.00%,F,T)



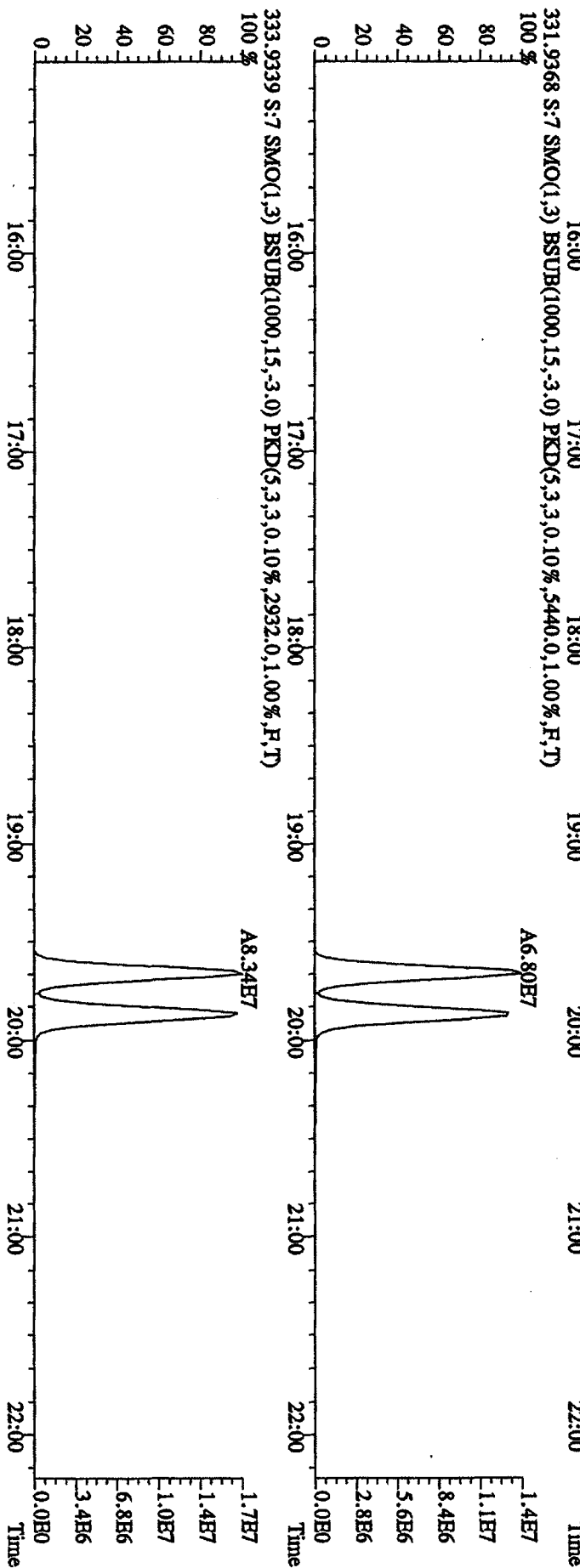
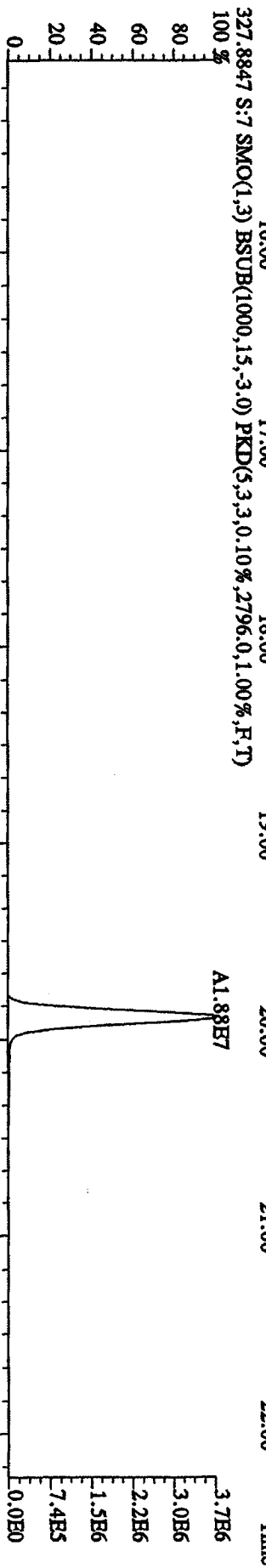
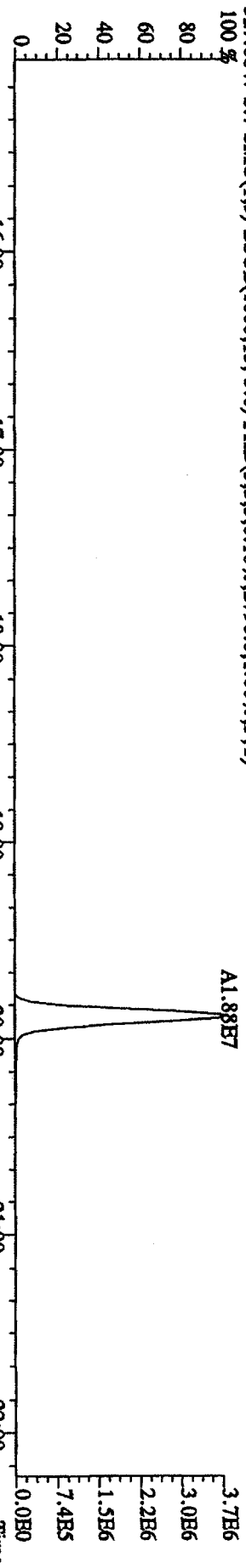
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRBS8290A
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1128,0,1,00%,F,T) 100 %



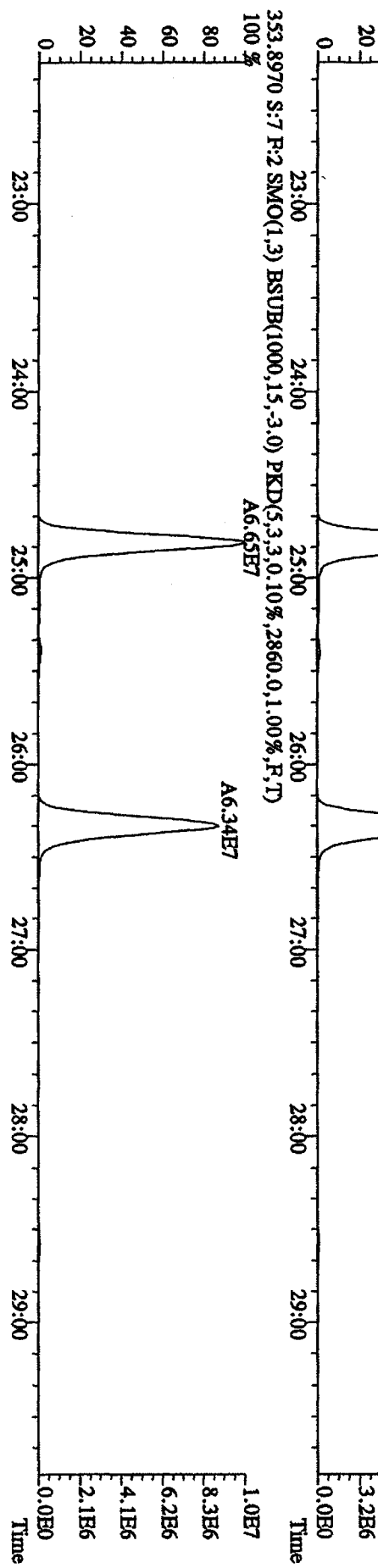
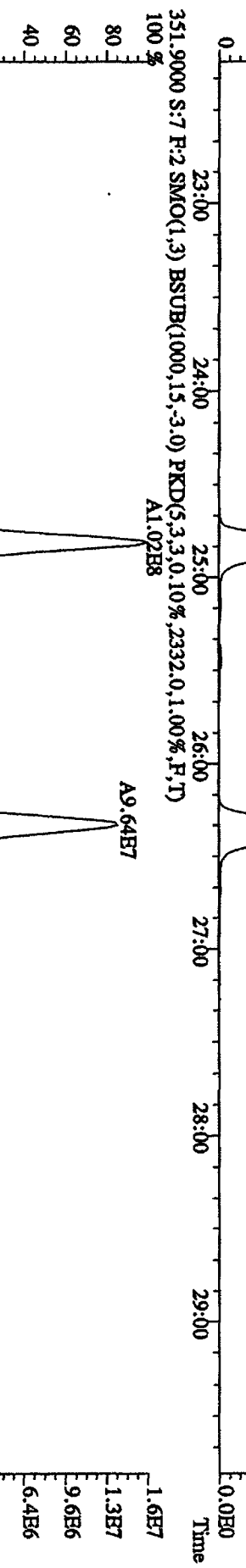
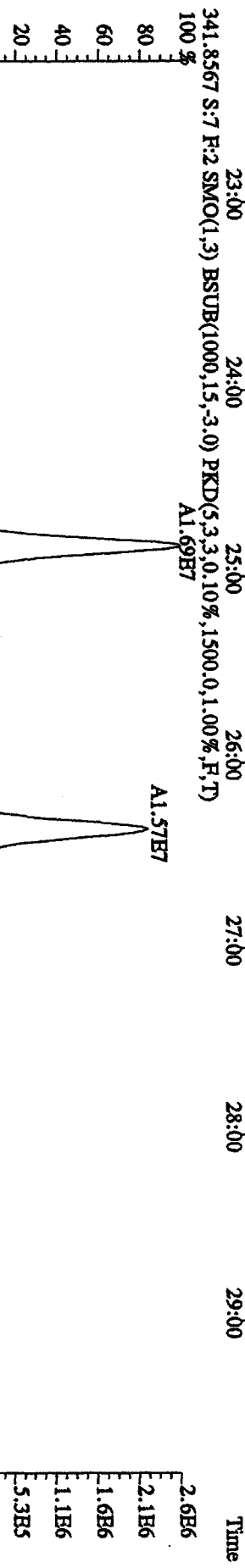
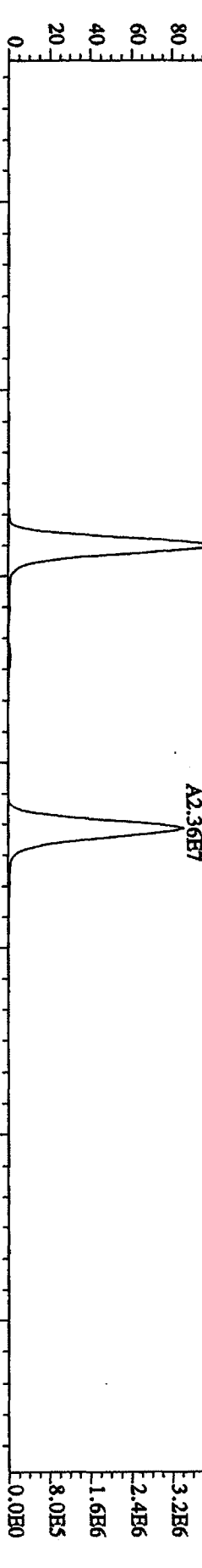
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1228.0,1.00%,F,T)
 100%



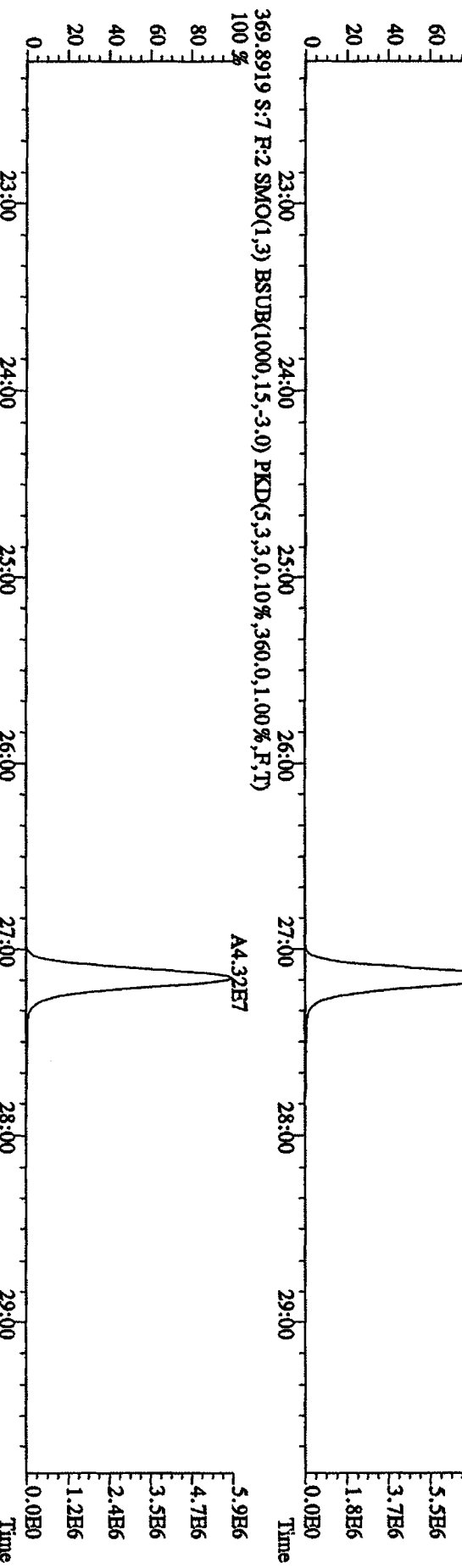
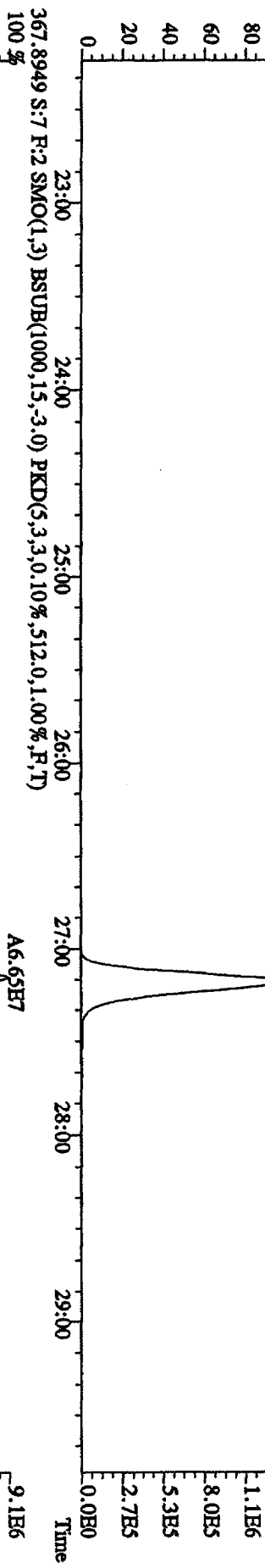
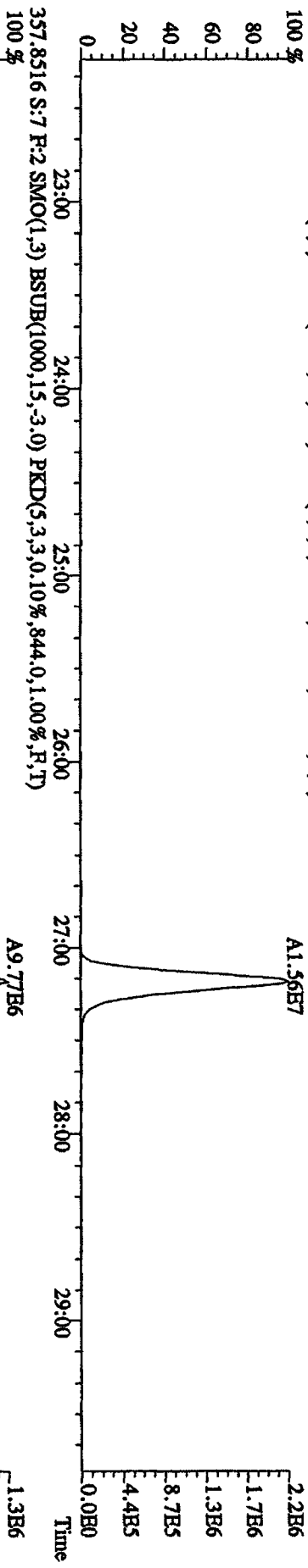
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRESS8290A
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2796.0,1.00%,F,T)



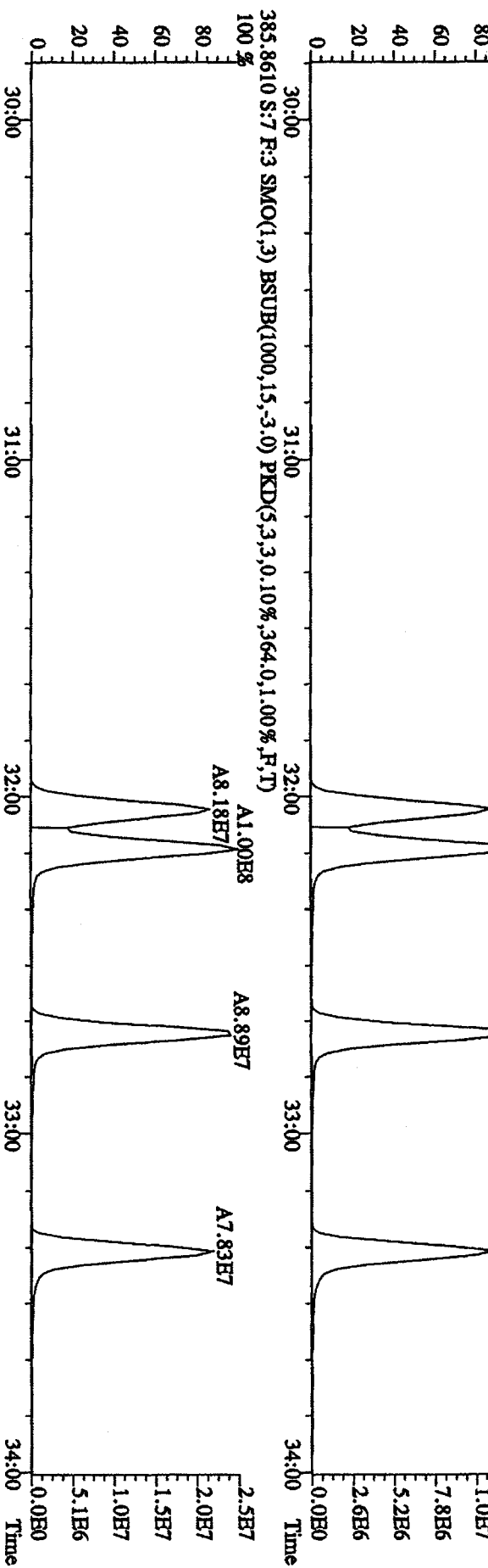
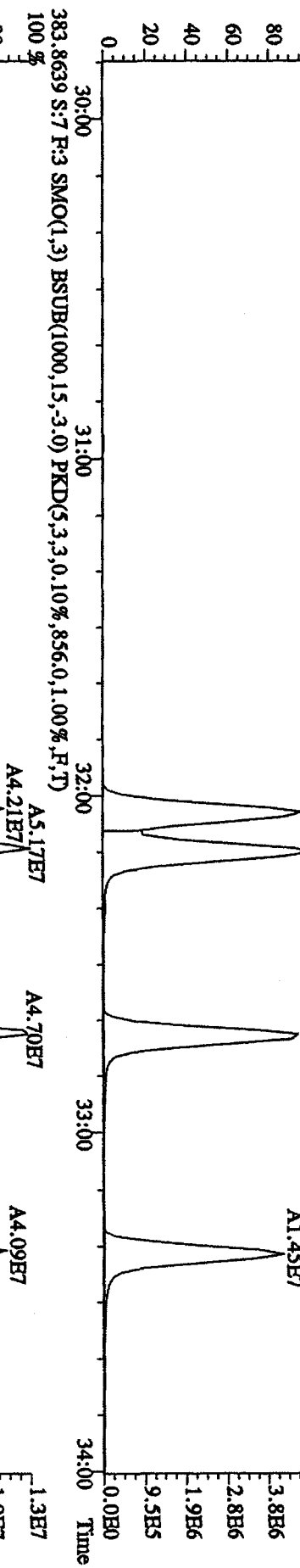
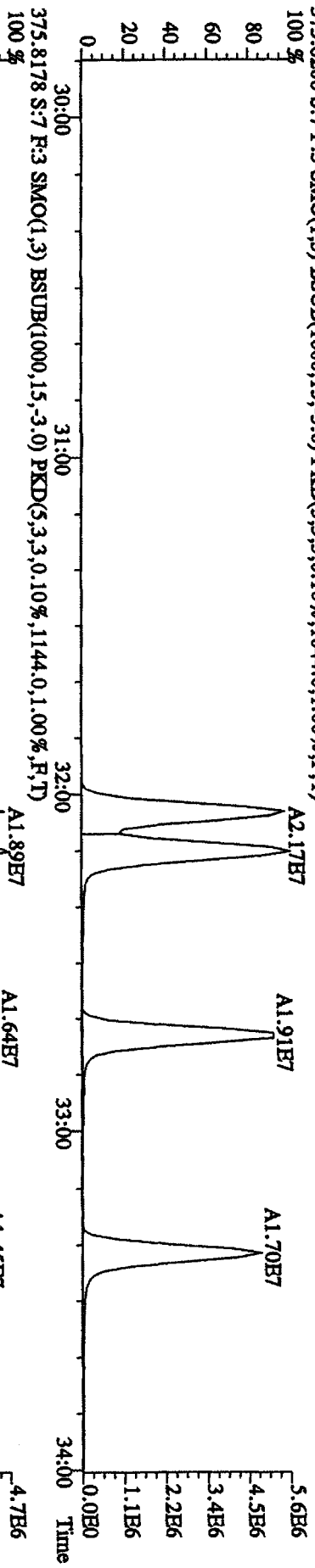
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC HI + Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412E 2nd Source 09DXN449 Exp.:DIOXINRES8290A
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2008,0,1,00%,F,T)



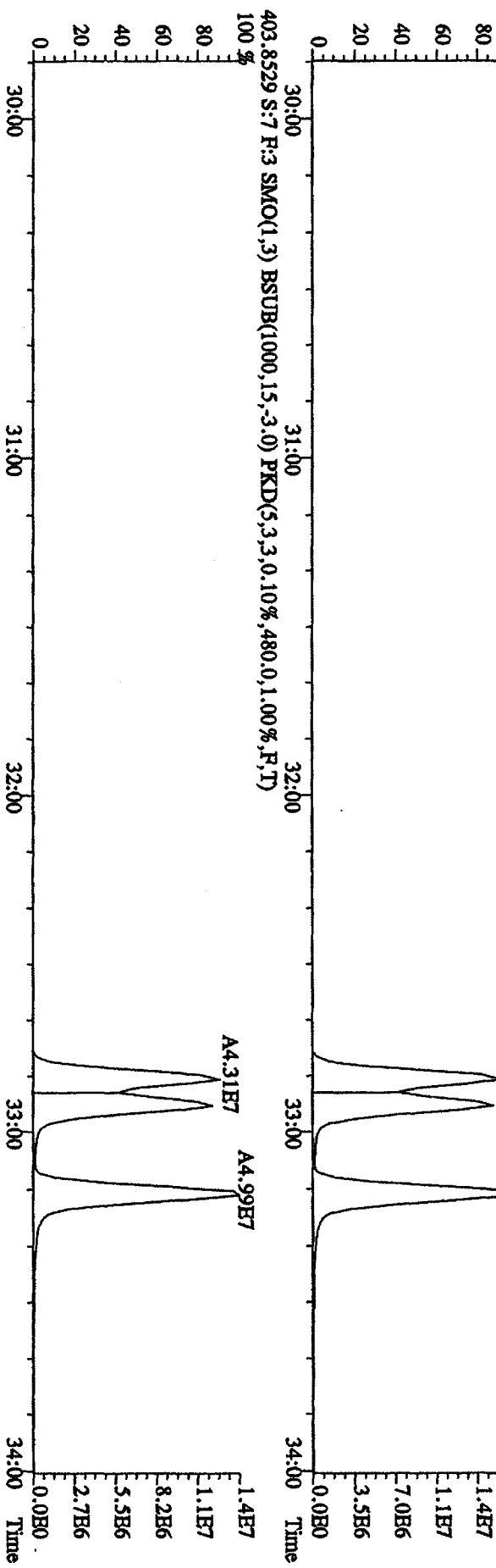
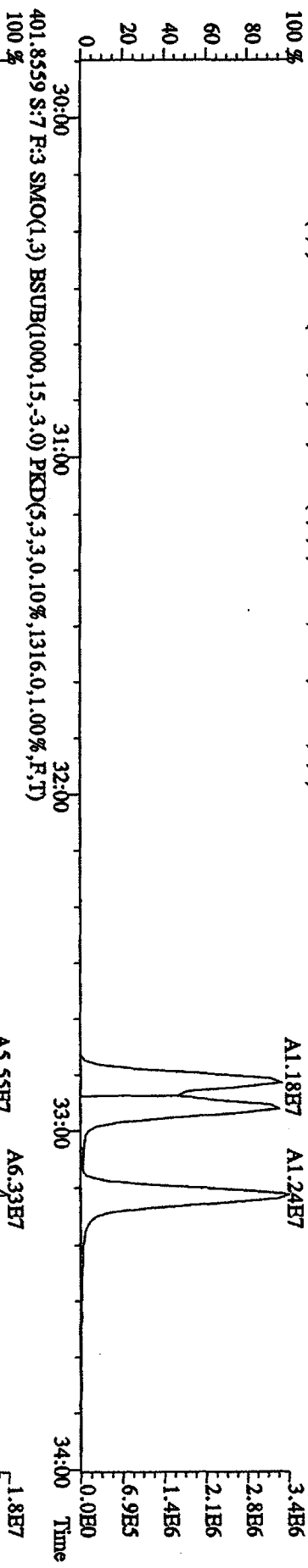
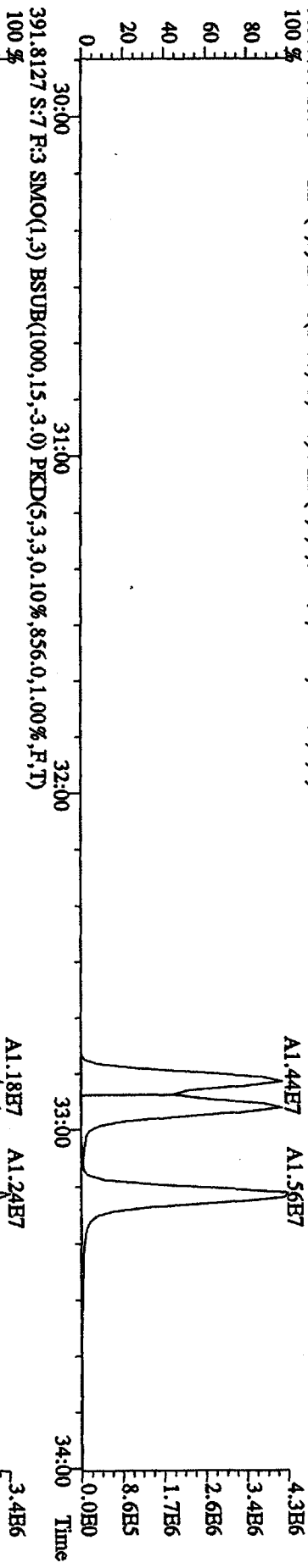
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 355,8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1548,0,1,00%,F,T)
 100%



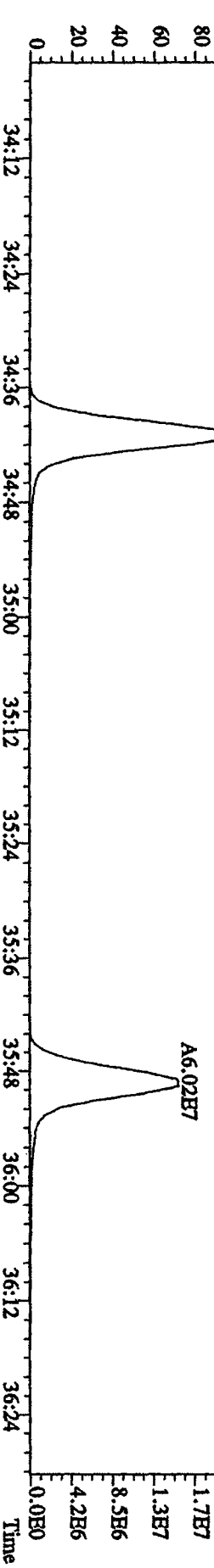
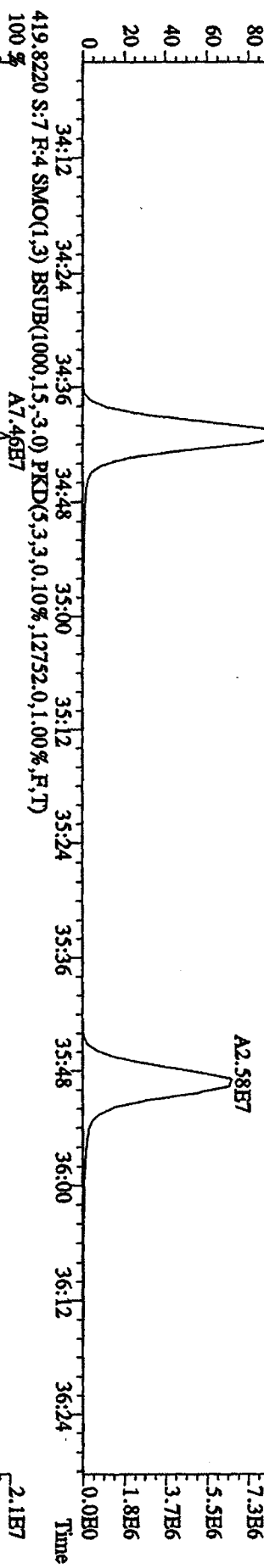
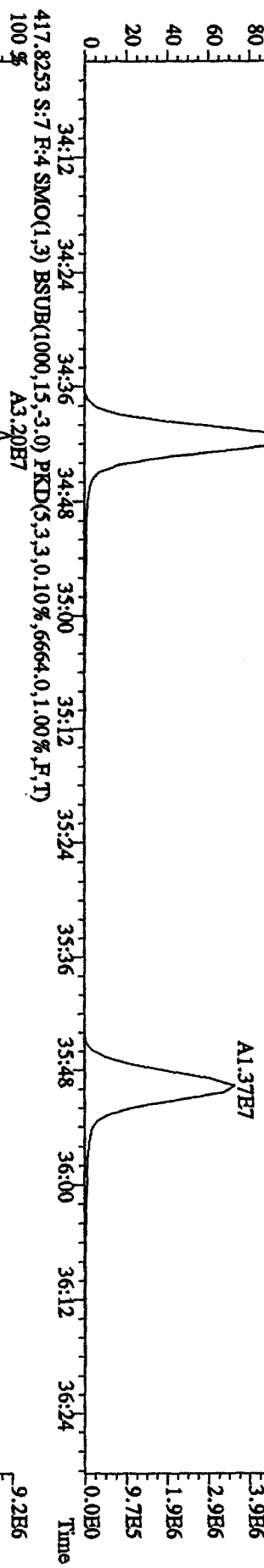
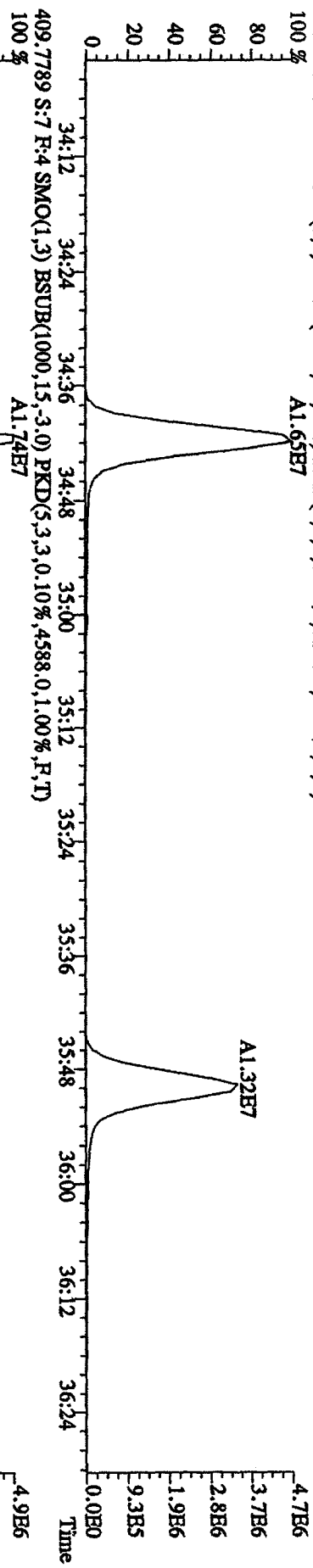
File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRESS8290A
 373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.044,0.1,0.0%,F,T)



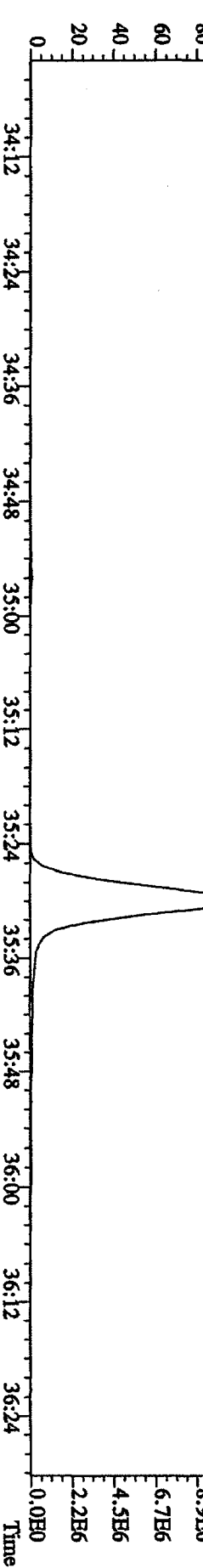
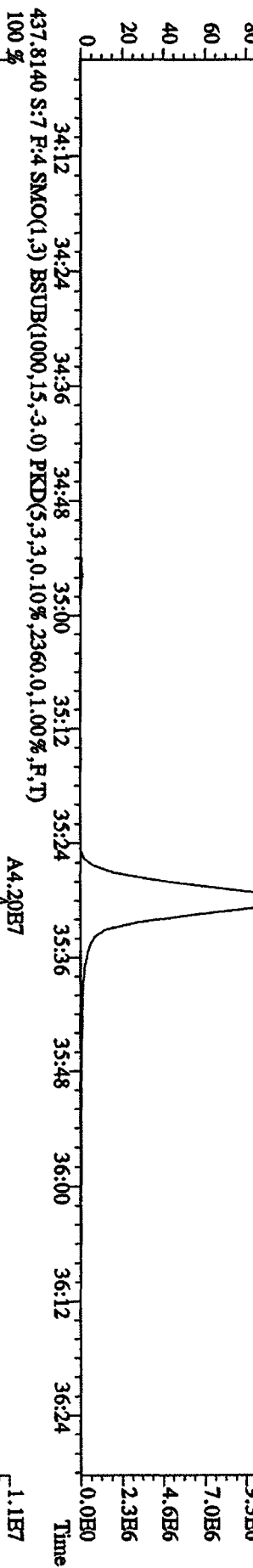
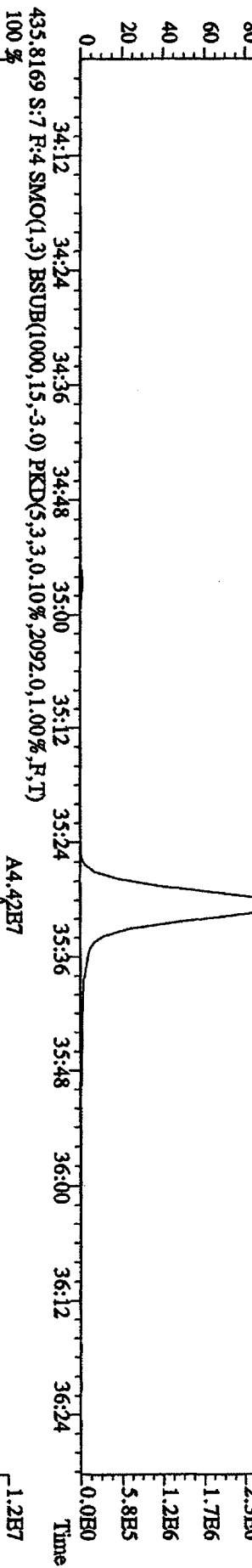
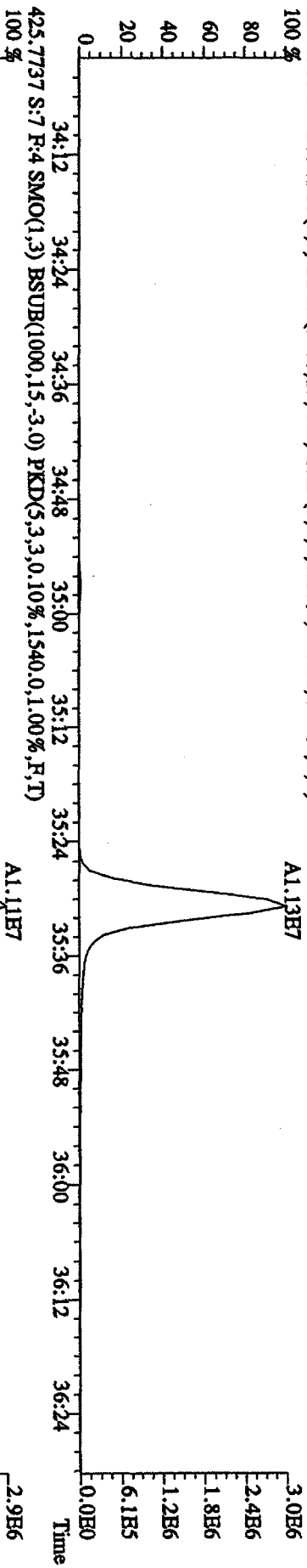
File: 12AP104D5 #1-317 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text: ST0412E : 2nd Source 09DXN449 Exp: DIOXINRES8290A
 389.8157 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,956,0,1.00%,F,T)



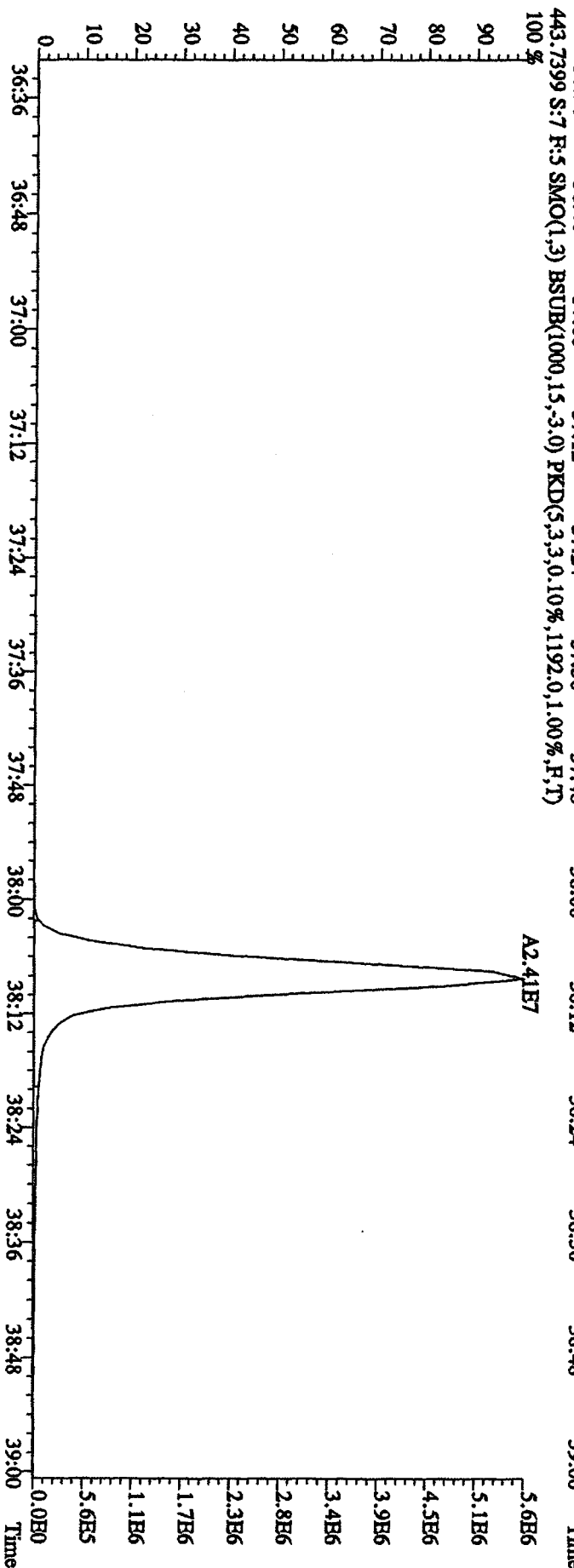
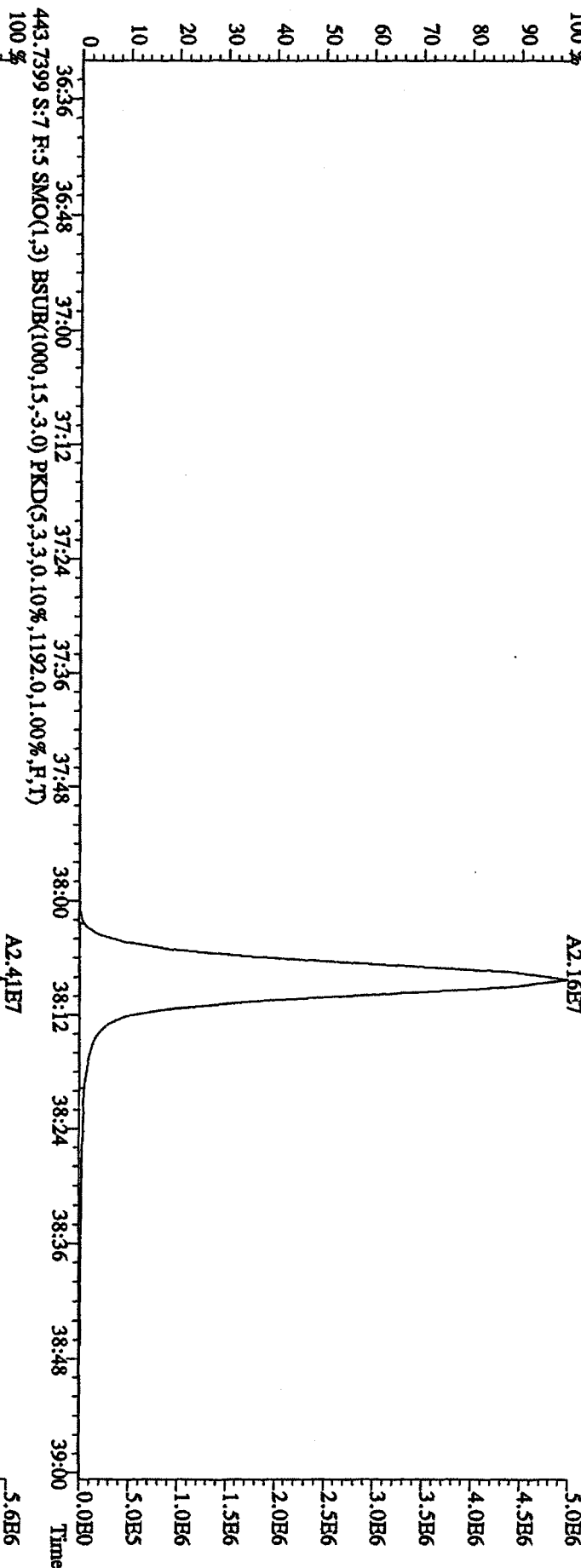
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRBS8290A
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6164.0,1.00%,F,T)
 100%



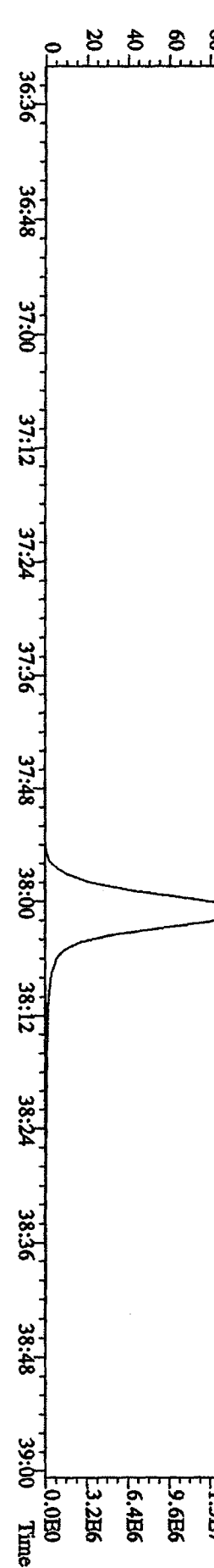
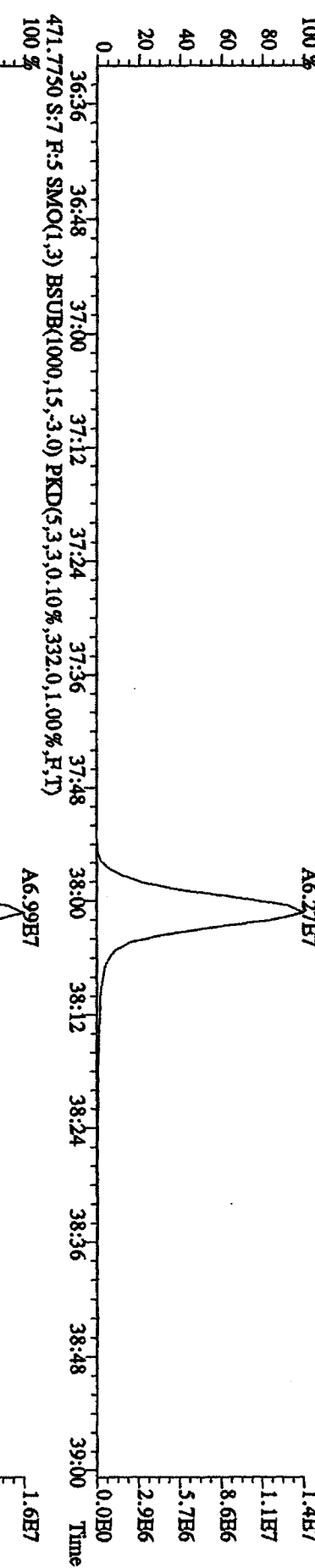
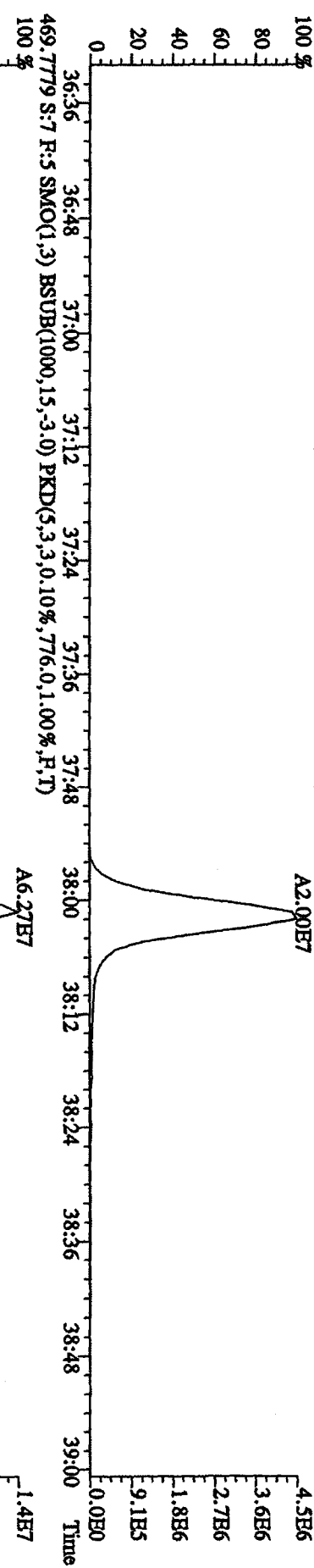
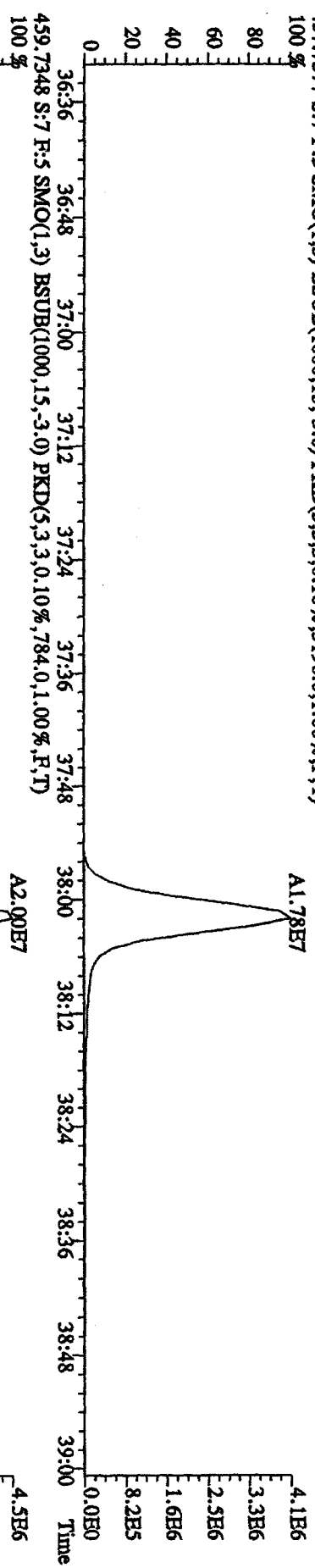
File: 12AP104D5 #1-198 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: ST0412E 2nd Source 09DXN449 Exp: DIOXINRES8290A
 423.7766 S: 7 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2720,0,1,00%,F,T) 100%



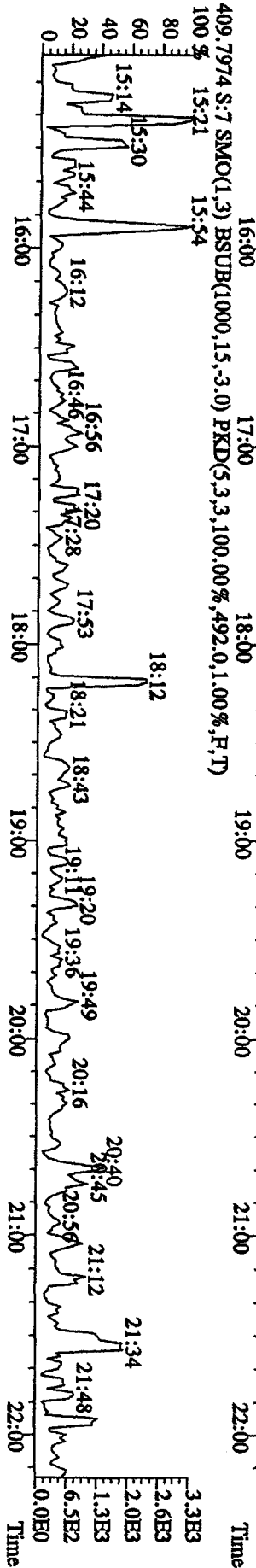
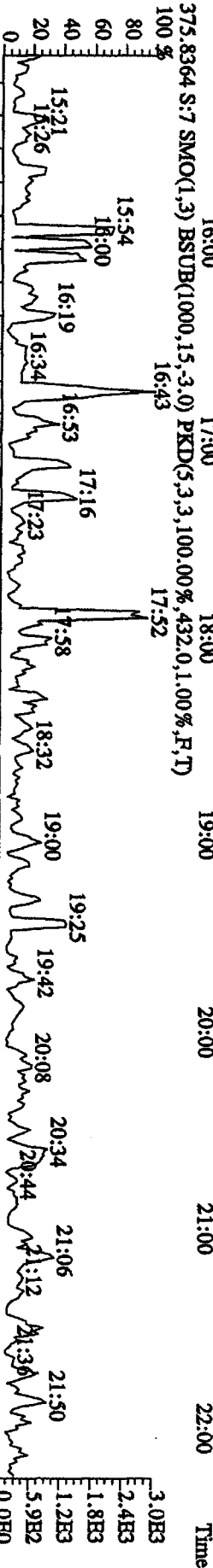
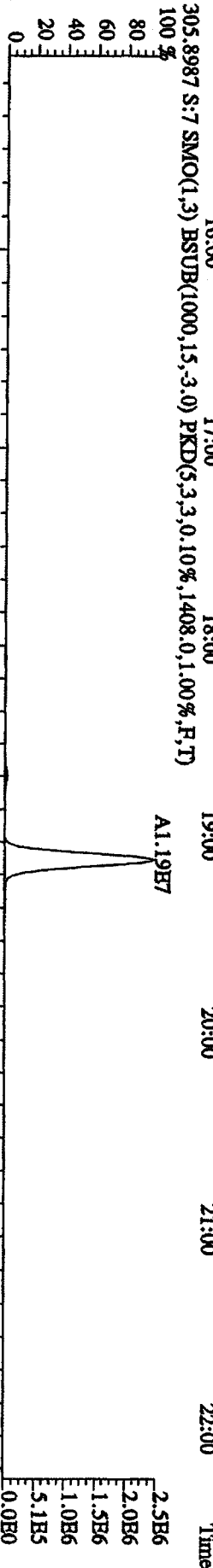
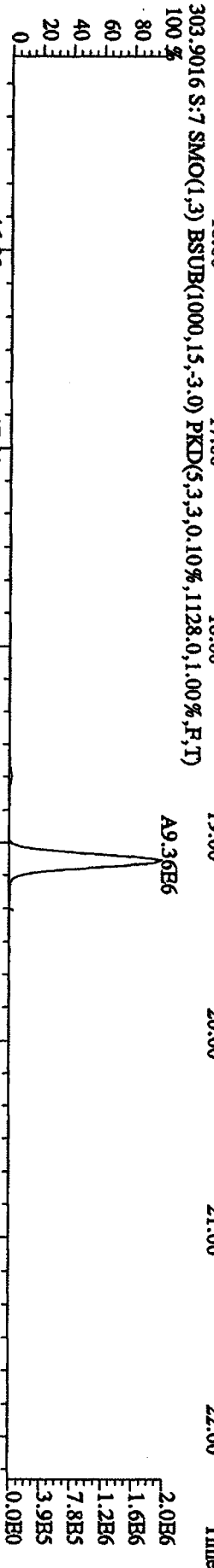
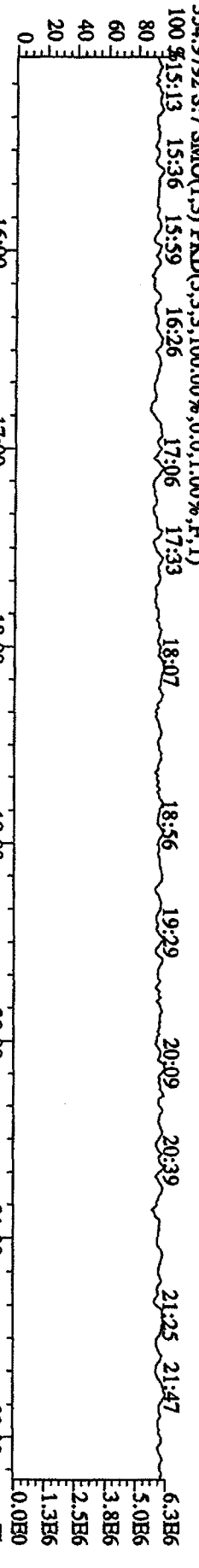
File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-Ultimate
Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1448.0,1.00%,F,T)



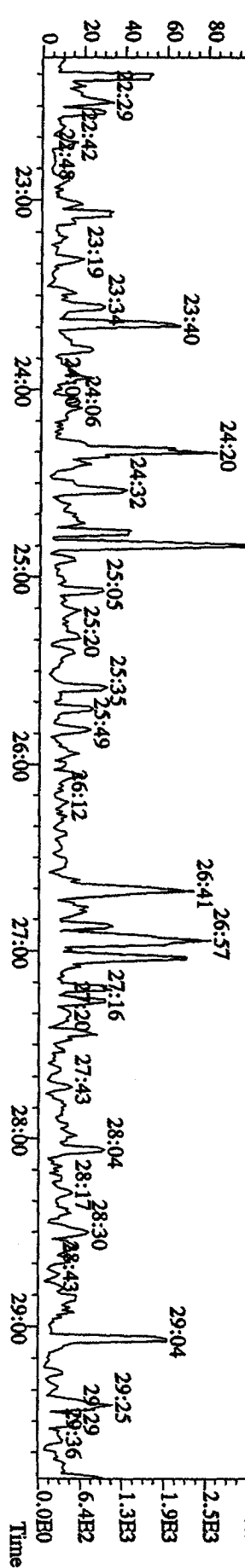
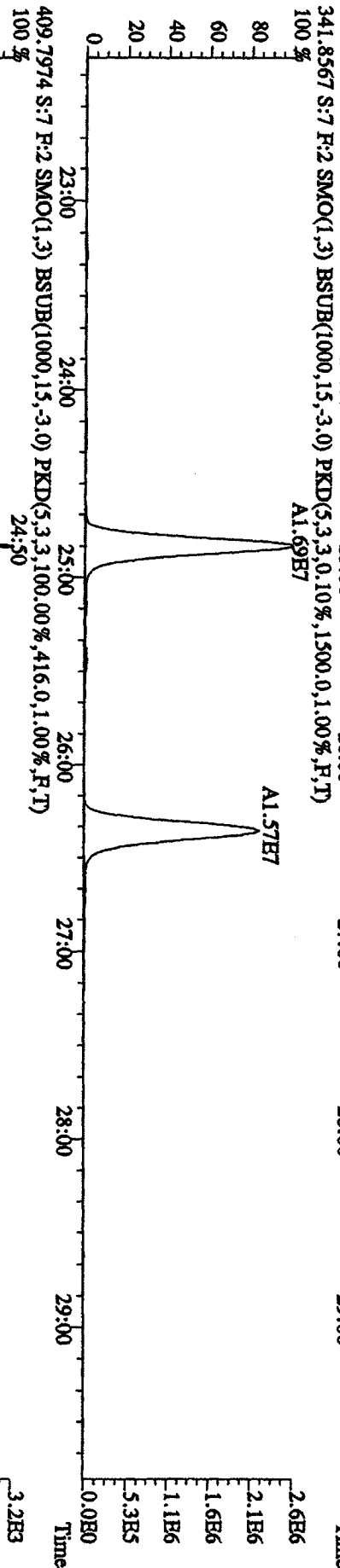
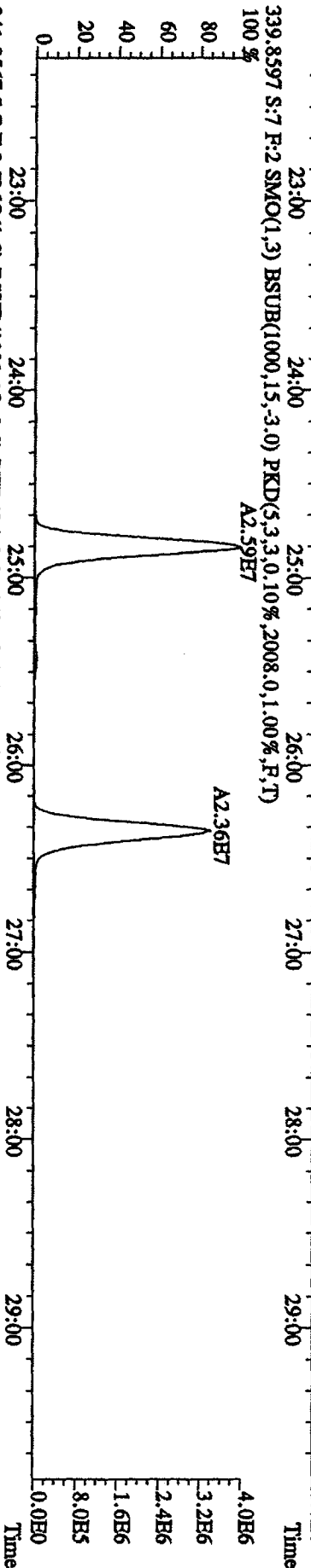
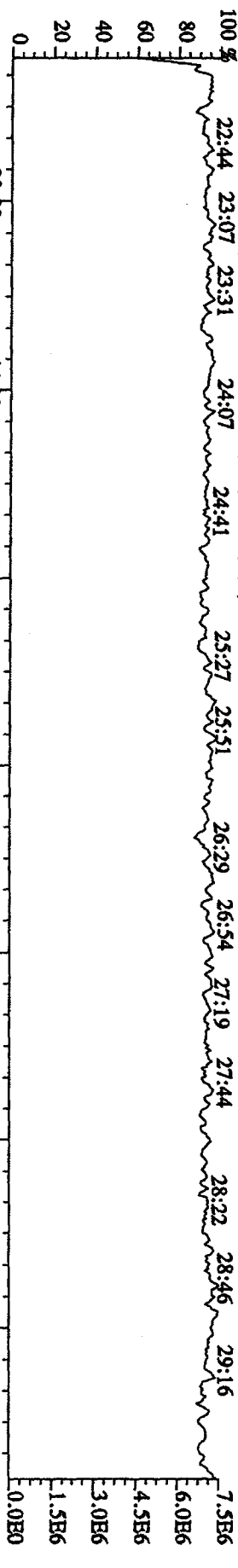
File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B 2nd Source 09DXN449 Exp:DIOXINRHS8290A
 457.7377 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)
 100 %



File: 12AP104D5 #1-435 Acq: 12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: ST10412E : 2nd Source 09DXN449 Exp: DIOXINRBS8290A
 354.9792 S: 7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:13 15:36 15:59 16:26 17:06 17:33 18:07 18:56 19:29 20:09 20:39 21:25 21:47



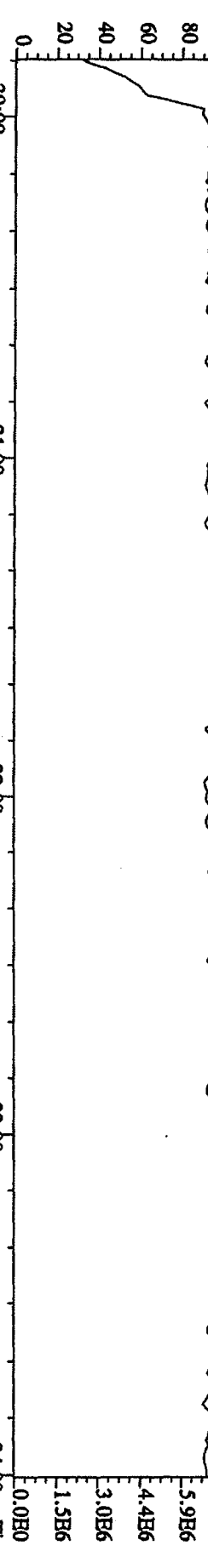
File: 12AP104D5 #1-604 Acq: 12-APR-2010 13:00:53 GC HI + Voltage SIR Autospec-UltimaB
 Sample#7 Text: ST0412B : 2nd Source 09DXN449 Exp: DIOXINRES8290A
 354.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



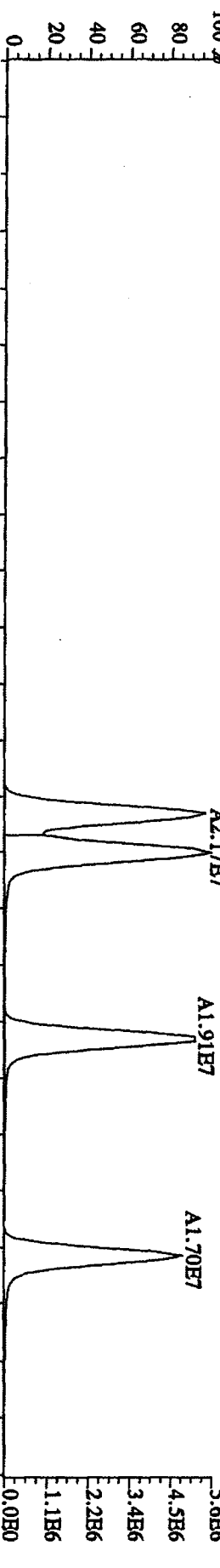
File: 12AP104D5 #1-317 Acq: 12-APR-2010 13:00:53 GC HI + Voltage SIR Autospec-UltimaB

Sample#7 Text: ST0412B 2nd Source 09DXN449 Bsp: DIOXINRES8290A

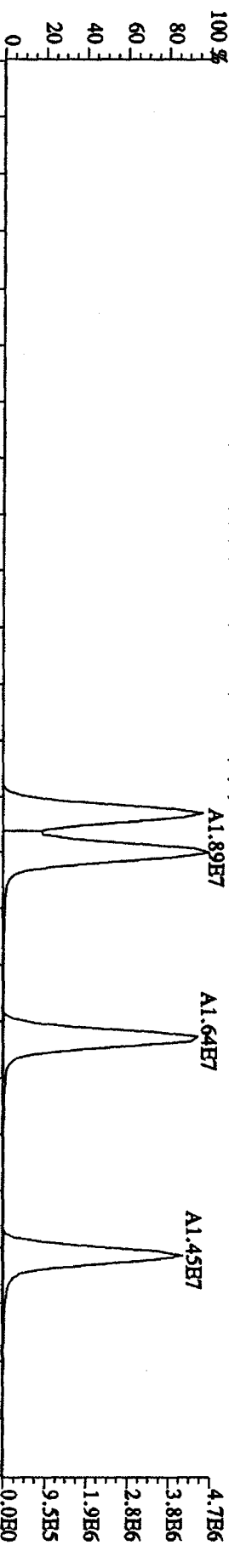
430.9728 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 30:03 30:18 30:31 30:58 31:23 31:38 31:50 32:11 32:24 32:39 32:57 33:11 33:24 33:37 33:51



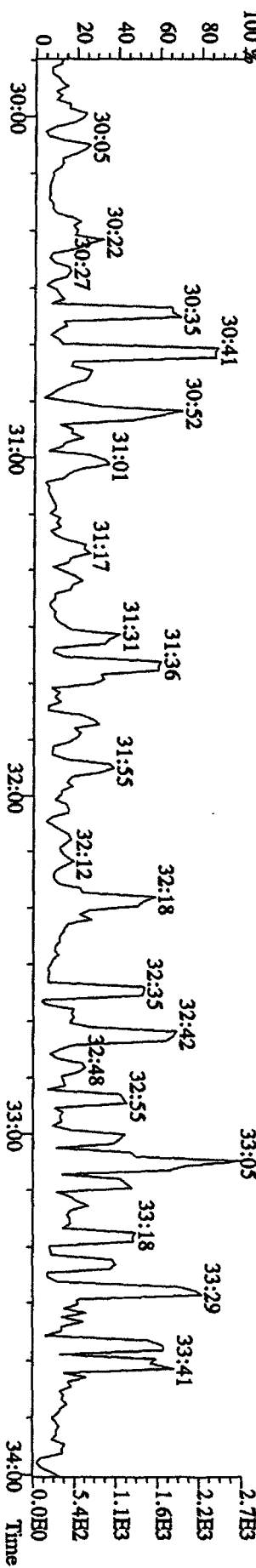
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1044,0,1.00%,F,T) 30:00 31:00 32:00 33:00 34:00



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) 30:00 31:00 32:00 33:00 34:00



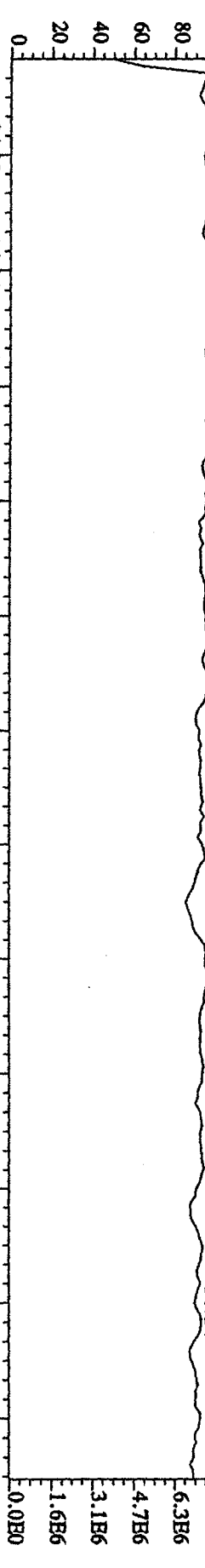
445.7555 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,452,0,1.00%,F,T) 30:00 31:00 32:00 33:00 34:00



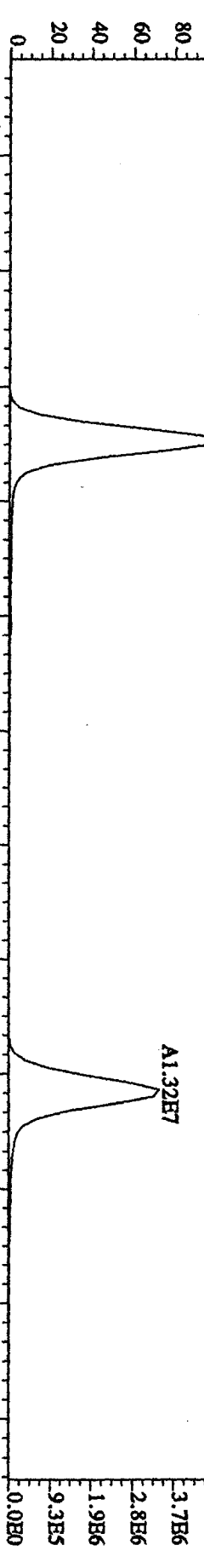
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-Ultimate

Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A

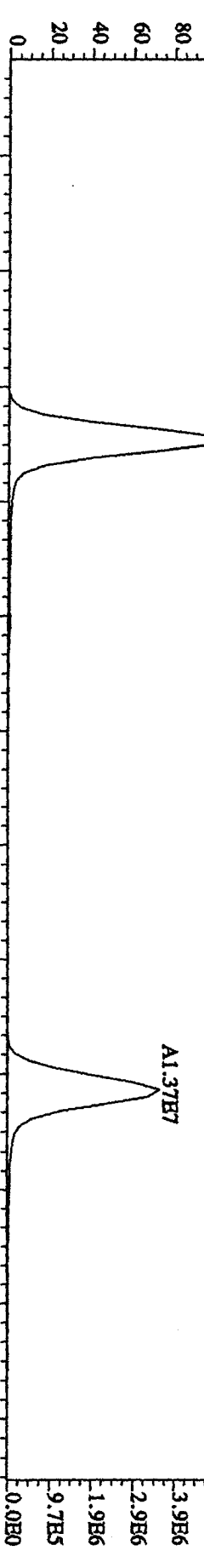
430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



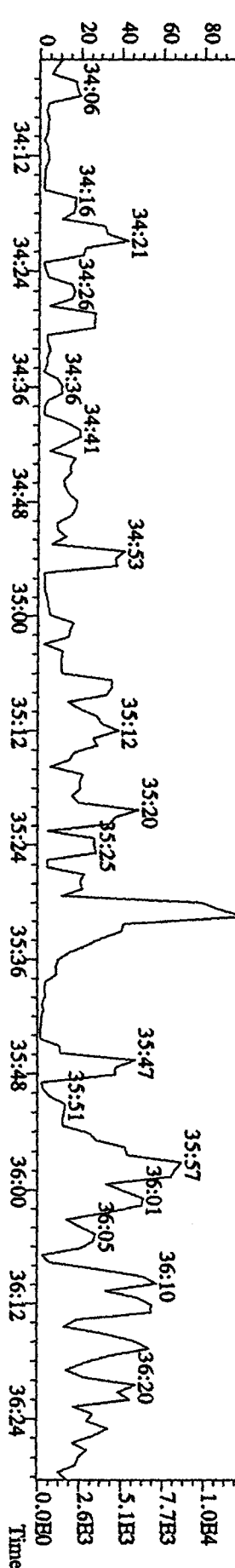
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6164,0,1,00%,F,T)



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 HI+ Voltage SIR Autospec-Ultimate

Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A

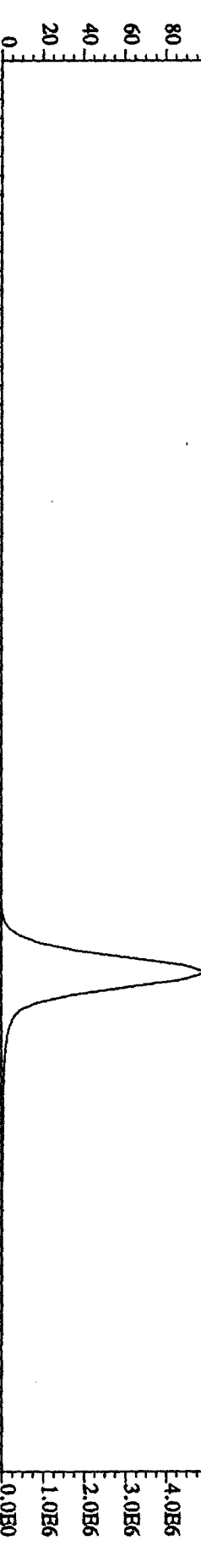
442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



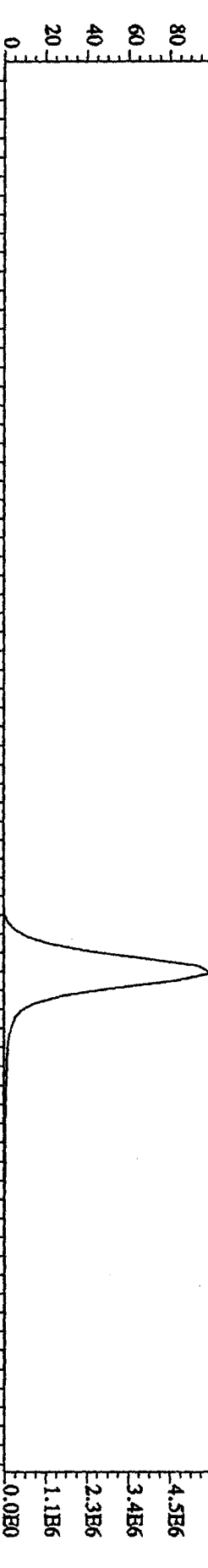
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448,0,1.00%,F,T)

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



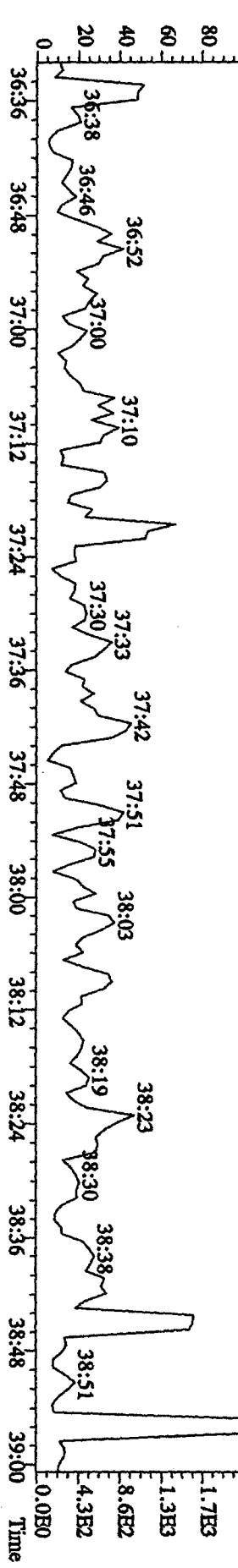
443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192,0,1.00%,F,T)

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:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,496,0,1.00%,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



Initial Calibration Checklist
Dioxin Methods

ICAL ID (DB225, ^{A+R}DB225) 042110502

Method ID 8290, 1613B, T09, 23, 0023A Date Scanned _____

Column ID DB225 Instrument ID 502

STD ID's ST0421(I, H, G, K, J.) STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN426, 09DXN436

GC Program DB225 Multiplier Setting 750

Analyzed By M.G. Date Analyzed 4/21/10

Prepared By M.G. Date Prepared 4/21/10

Reviewed By MCW Date Reviewed 4/23/10

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

COMMENTS:

CS3 13C-1,2,3,4-TCDD Retention Time = 14:56

*Method 8290/T09/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 21API05D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

ST04211I :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	2.406	0.279	11.6 %	2.89	2.38	2.23	2.27	2.26

Run #1 Filename 21AP105D2 S: 14 I: 1
Acquired: 21-APR-10 18:17:40 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

Comments:

Sample text: ST0421I :CS1 09DXN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	98548600	0.76 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	214570500	0.81 y	16:07	2.177	100.00	n
2,3,7,8-TCDF	1171014	0.76 y	16:08	1.091	0.50	n
13C-2,3,7,8-TCDD	91030100	0.77 y	14:44	0.924	100.00	n
2,3,7,8-TCDD	654904	0.80 y	14:45	1.439	0.50	n
37Cl-2,3,7,8-TCDD	1317370	1.00 y	14:45	2.894	0.50	n

Run #2 Filename 21AP105D2 S: 13 I: 1
Acquired: 21-APR-10 17:40:39 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:

Sample text: ST0421H :CS2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	105183700	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207380000	0.83 y	16:07	1.972	100.00	n
2,3,7,8-TCDF	4477510	0.83 y	16:09	1.080	2.00	n
13C-2,3,7,8-TCDD	95824400	0.76 y	14:45	0.911	100.00	n
2,3,7,8-TCDD	2492210	0.81 y	14:45	1.300	2.00	n
37Cl-2,3,7,8-TCDD	4561780	1.00 y	14:45	2.380	2.00	n

Run #3 Filename 21AP105D2 S: 12 I: 1
Acquired: 21-APR-10 17:03:38 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

Comments:

Sample text: ST0421G :CS3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	89594000	0.77 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	195422300	0.84 y	16:07	2.181	100.00	n
2,3,7,8-TCDF	21585080	0.85 y	16:08	1.105	10.00	n
13C-2,3,7,8-TCDD	87844800	0.77 y	14:44	0.980	100.00	n
2,3,7,8-TCDD	12499560	0.85 y	14:45	1.423	10.00	n
37Cl-2,3,7,8-TCDD	19546260	1.00 y	14:45	2.225	10.00	n

Run #4 Filename 21AP105D2 S: 16 I: 1
Acquired: 21-APR-10 19:31:45 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

Comments:

Sample text: ST0421K :CS4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	107645400	0.77 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207815400	0.82 y	16:08	1.931	100.00	n
2,3,7,8-TCDF	91213400	0.83 y	16:09	1.097	40.00	n
13C-2,3,7,8-TCDD	94849900	0.76 y	14:45	0.881	100.00	n
2,3,7,8-TCDD	49864500	0.85 y	14:46	1.314	40.00	n
37C1-2,3,7,8-TCDD	86039800	1.00 y	14:46	2.268	40.00	n

Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 15:44:29
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

Comments:

Sample text: ST0421J :CS5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84 y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81 y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78 y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84 y	14:46	1.310	200.00	n
37C1-2,3,7,8-TCDD	456866000	1.00 y	14:46	2.265	200.00	n

Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

Name	Mean	S. D.	%RSD	21AP105D2 21AP105D2 21AP105D2 21AP105D2 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

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

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
37Cl-2,3,7,8-TCDD	86039800	1.00 y	14:46	1.998	40.00	n

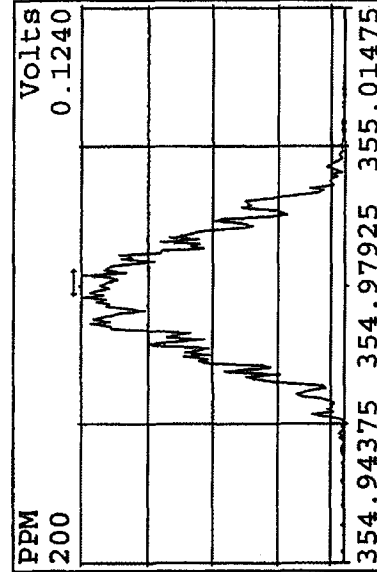
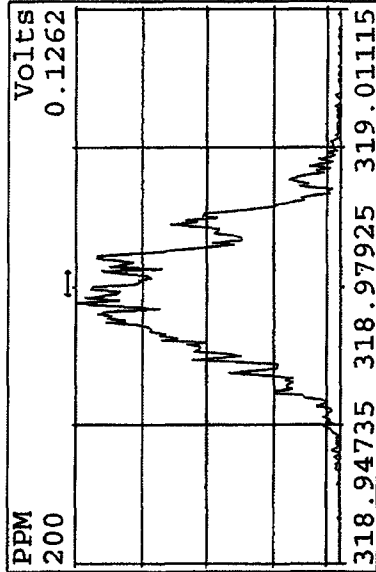
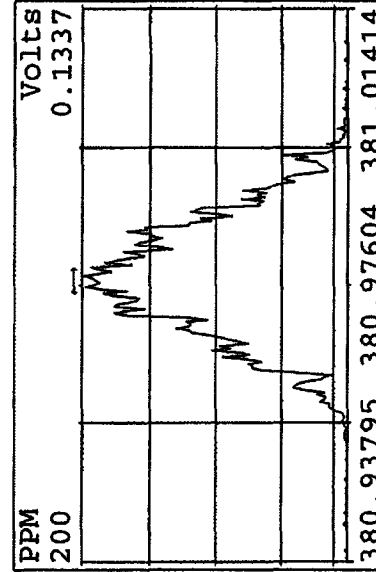
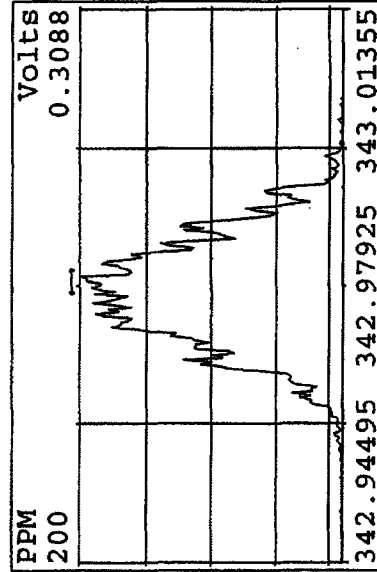
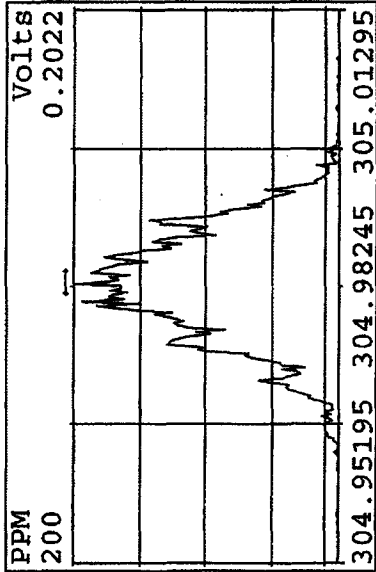
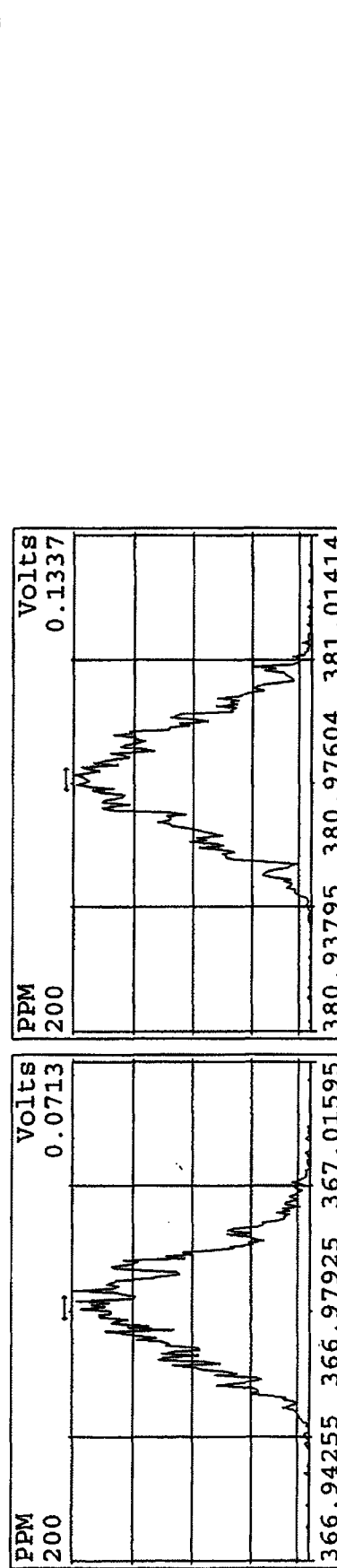
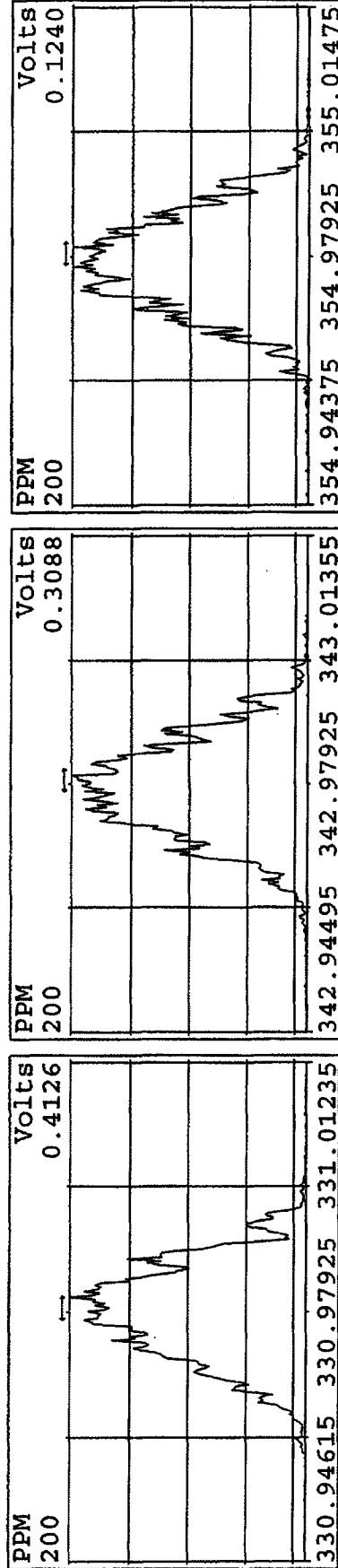
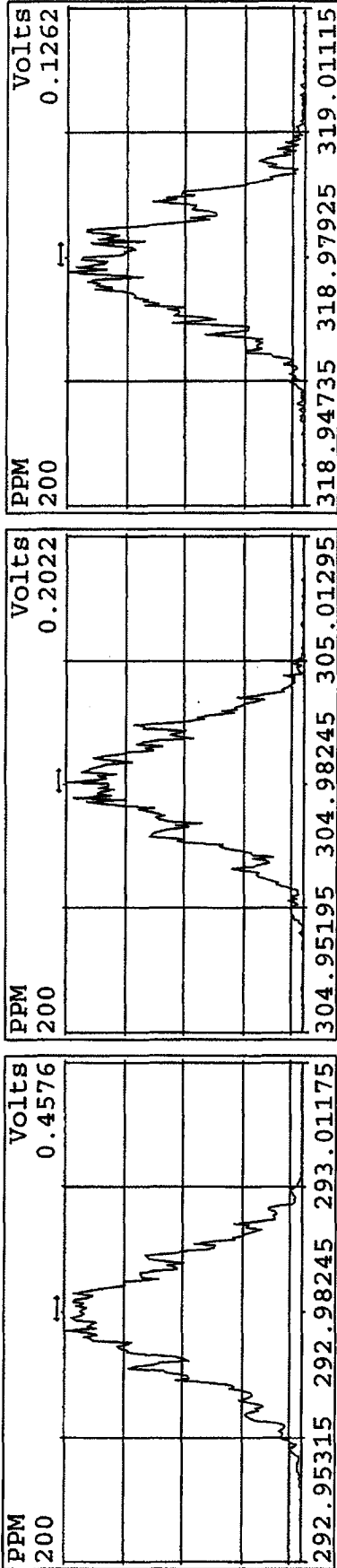
Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 08:14:00
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421J :CS5 09DXN456

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

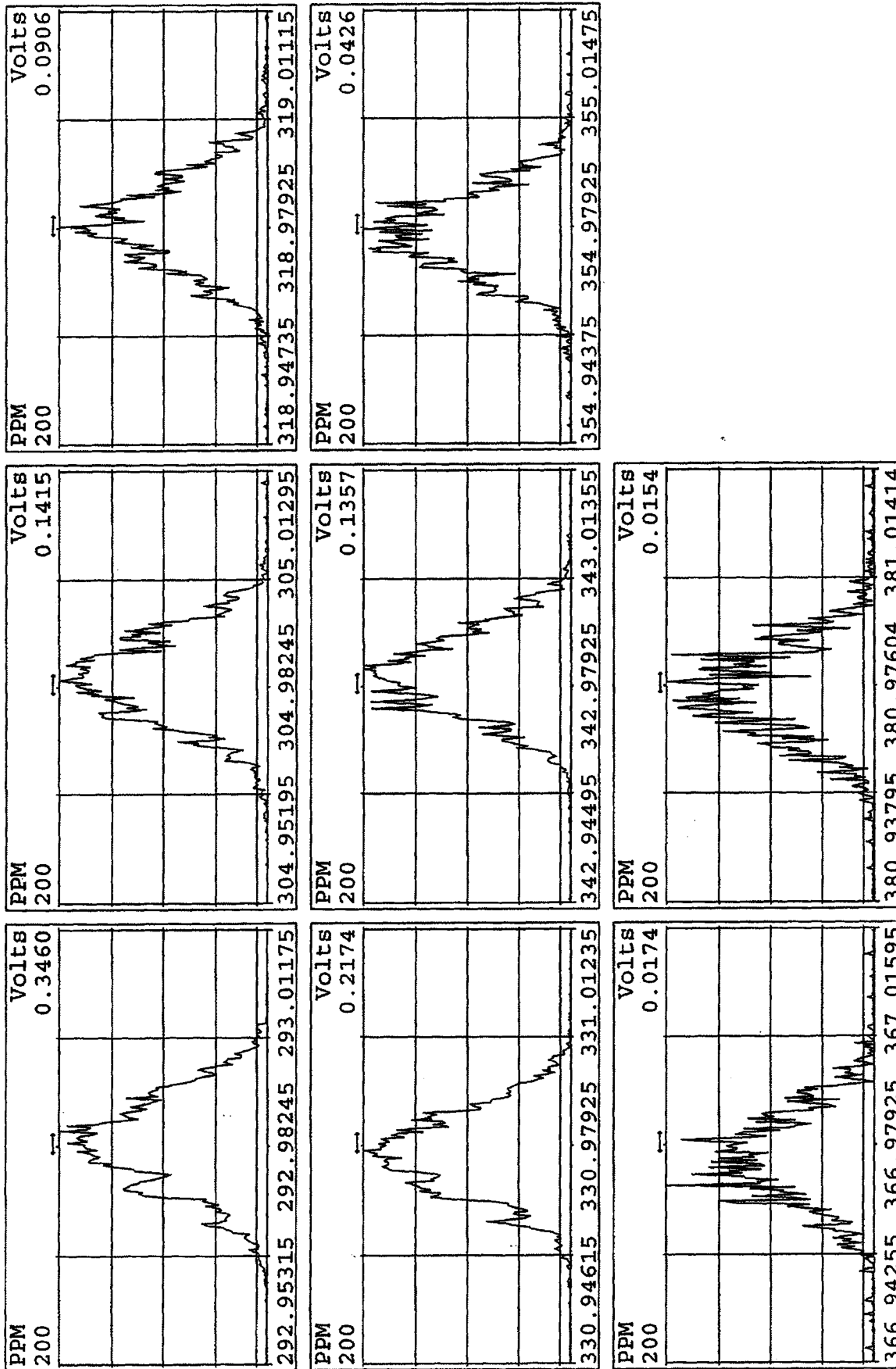
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21AP105D2	1	ST0421	CS3 10DXN111				1.000	
21AP105D2	2	CP0421	DB-225 CPSM 3732-06				1.000	
21AP105D2	3	SB0421	Solvent Blank C-14				1.000	
21AP105D2	4	LXTRR-1-AC	A0D120411-1	20	8290/SOLID	70	10.060 g	
21AP105D2	5	SB0421A	Solvent Blank 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	

logfile checked
4-22-10
SMA

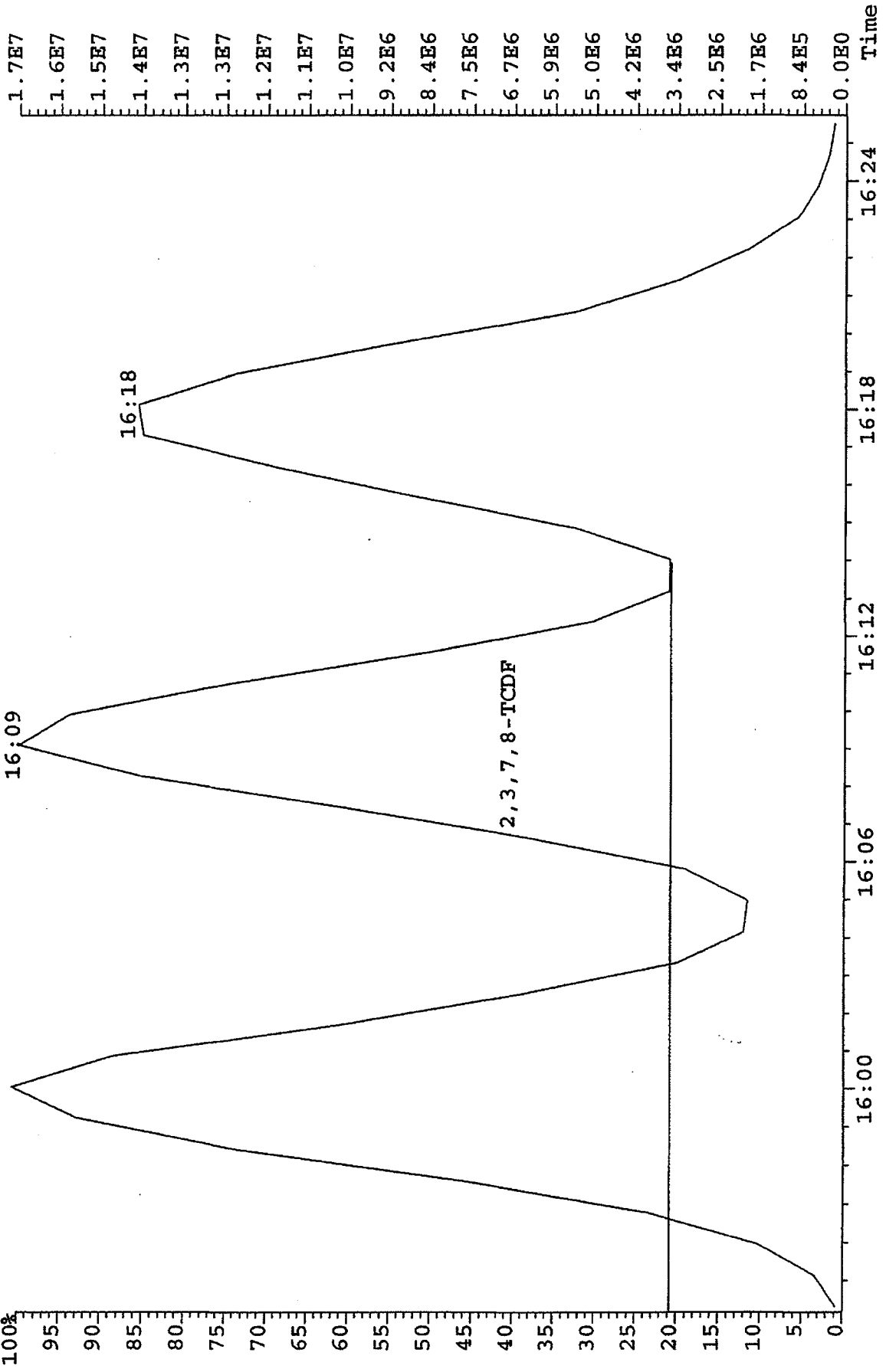
Peak Locate Examination: 21-APR-2010:10:08 File: 21AP105D2
 Experiment: DIOXIN Function: 1 Reference: PFK



Peak Locate Examination: 21-APR-2010: 21:16 File: RESCHK21AP105D2
 Experiment: DIOXIN Function: 1 Reference: PFK



File: 21AP105D2 #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

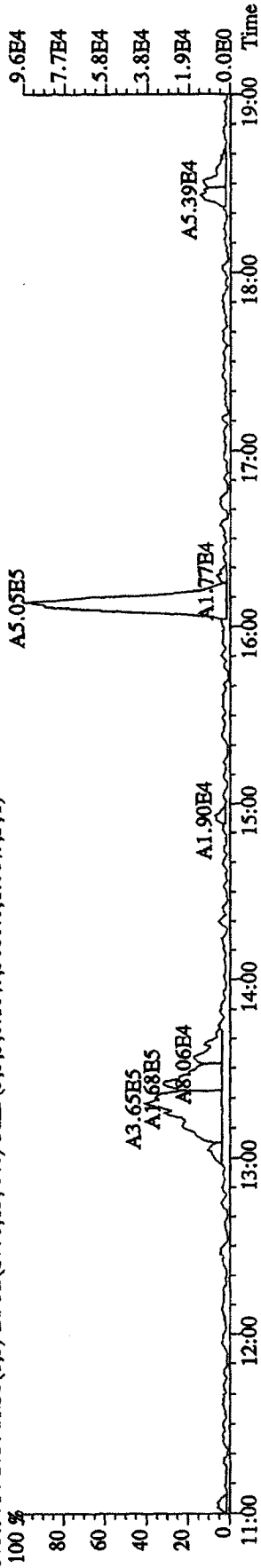
Run text: ST0421L
 Sample text: ST0421L : 2nd Source 09DXN449
 Run # 6 Filename: 21AP105D2 S: 17 I: 1 Results: 21AP105D2DB225A
 Acquired: 21-APR-10 20:08:50 Processed: 23-APR-10 15:30:50
 Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

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

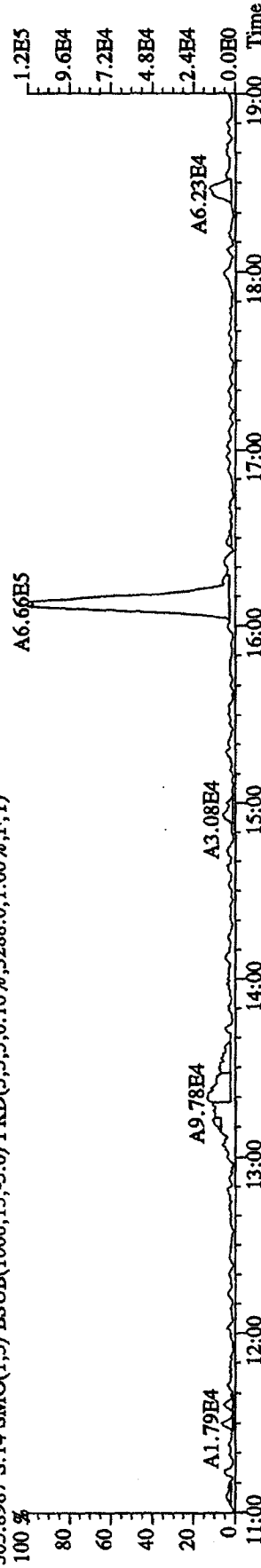
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST04211 :CS1 09DXN422 Exp:DIOXIN

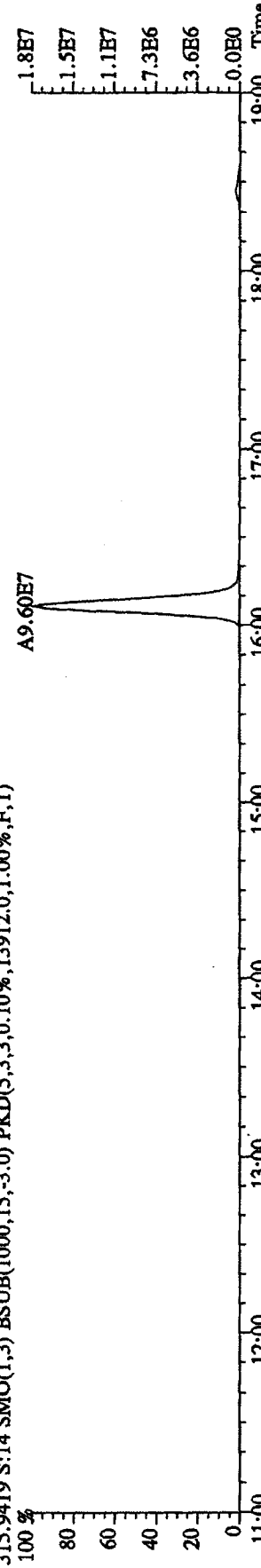
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3000,0,1.00%,F,T)



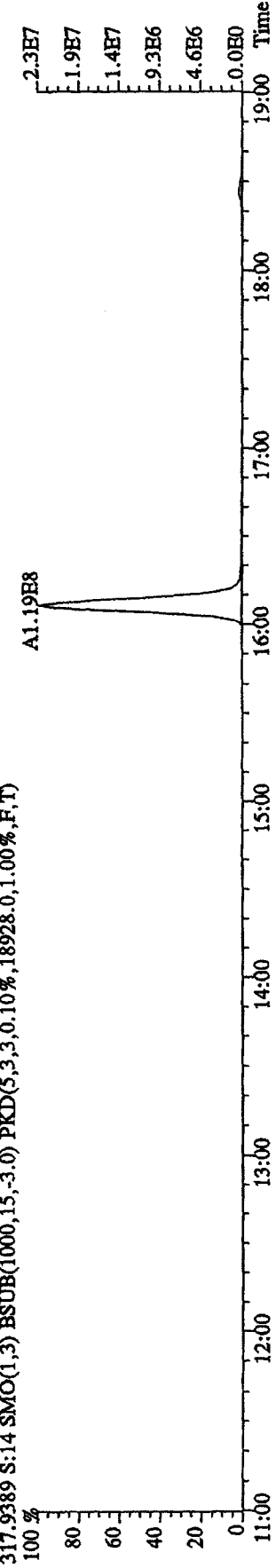
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3288,0,1.00%,F,T)



315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,13912,0,1.00%,F,T)



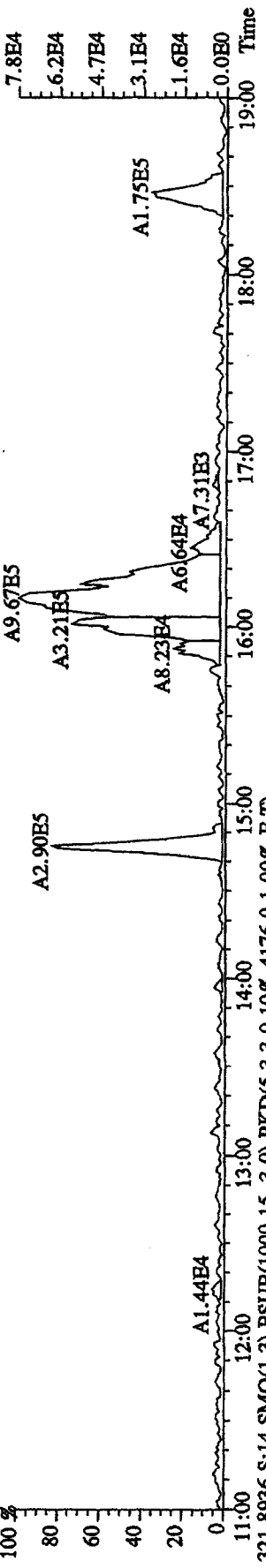
317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,18928,0,1.00%,F,T)



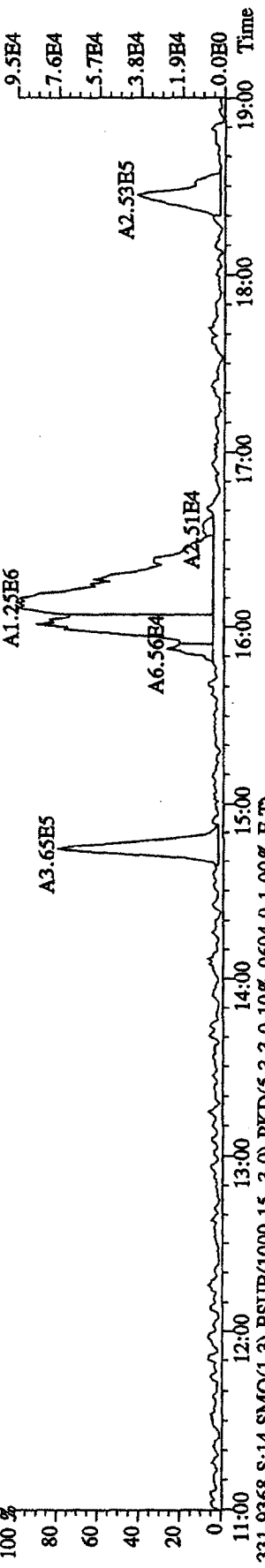
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST04211 ;CS1 09DXN422 Exp:DIOXIN

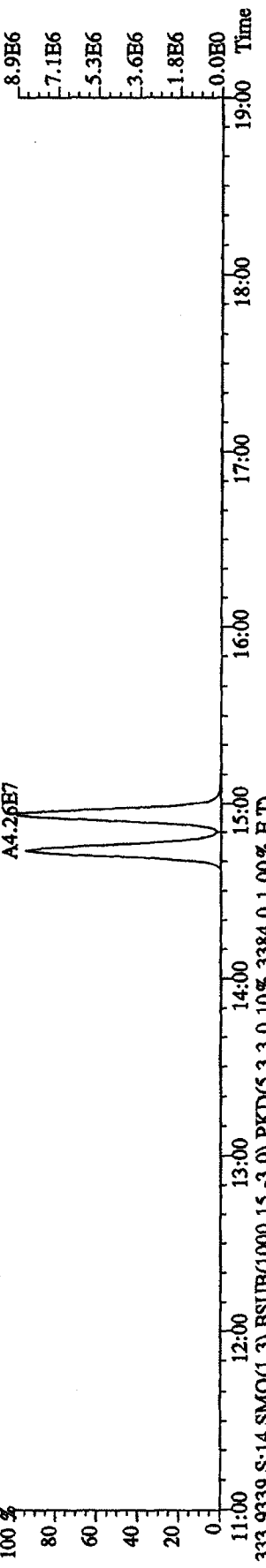
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2500.0,1.00%,F,T)



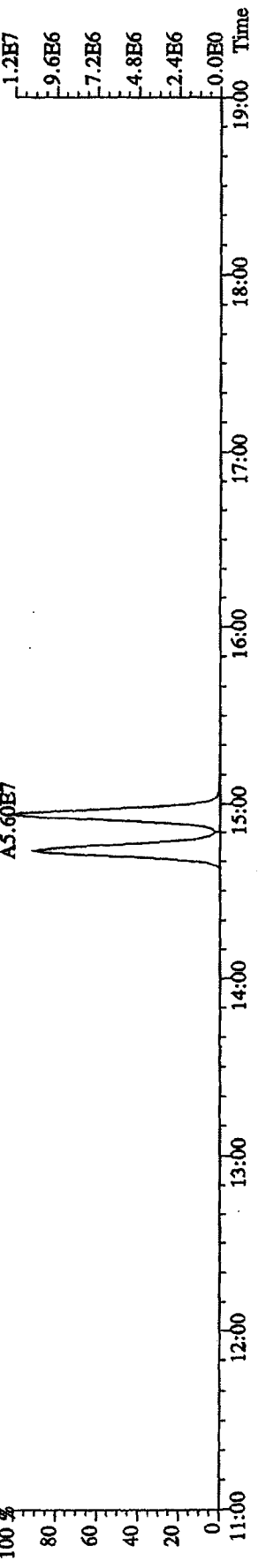
321.8936 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)



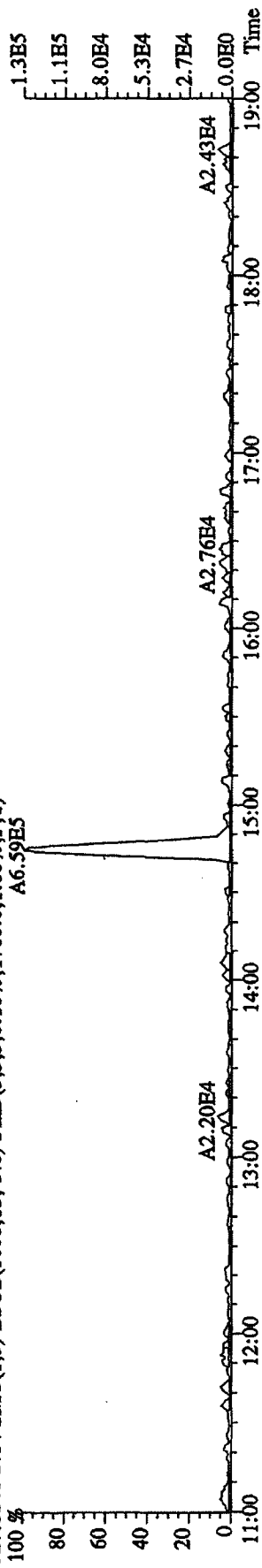
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9604.0,1.00%,F,T)



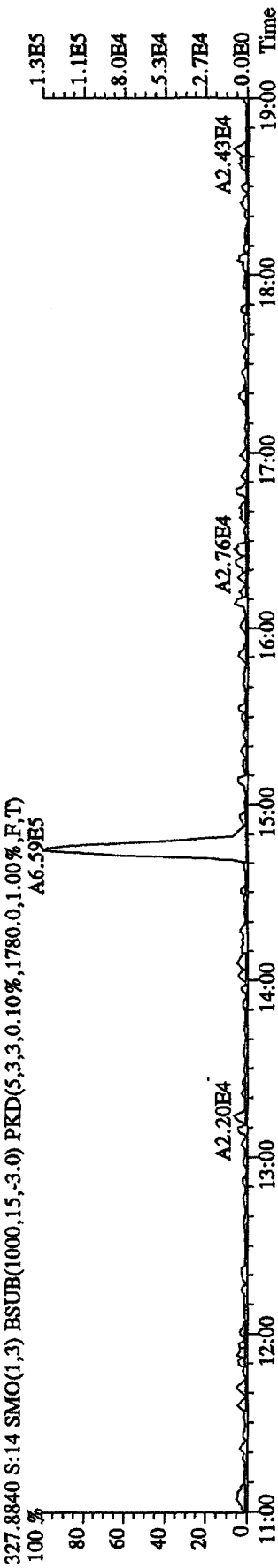
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3384.0,1.00%,F,T)



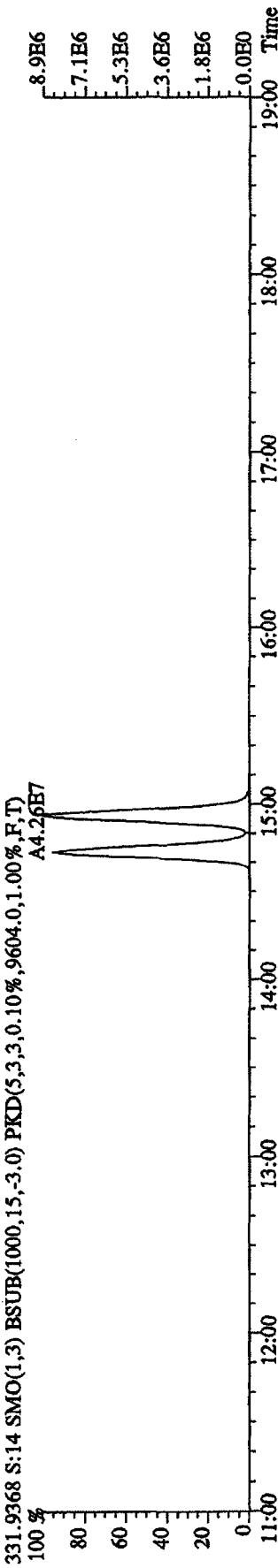
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text: ST04211 : CS1 09DXN422 Exp: DIOXIN
 327.8840 S: 14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)
 A6.59E5



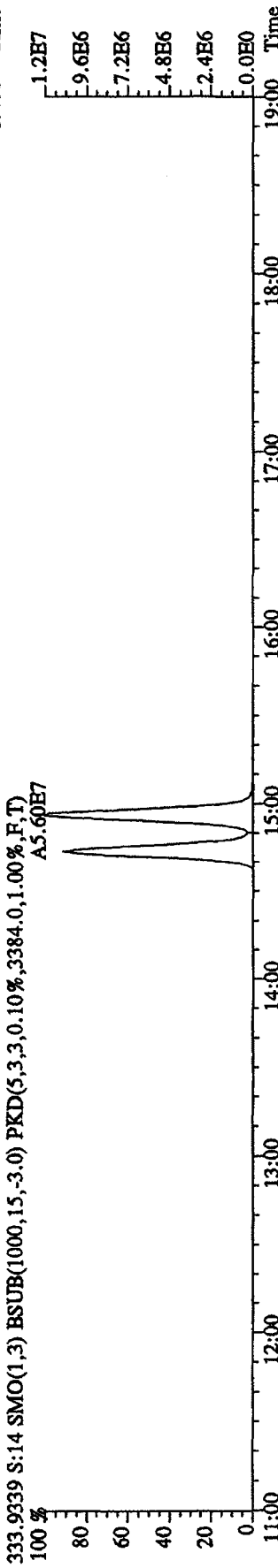
331.9368 S: 14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9604.0,1.00%,F,T)
 A4.26E7



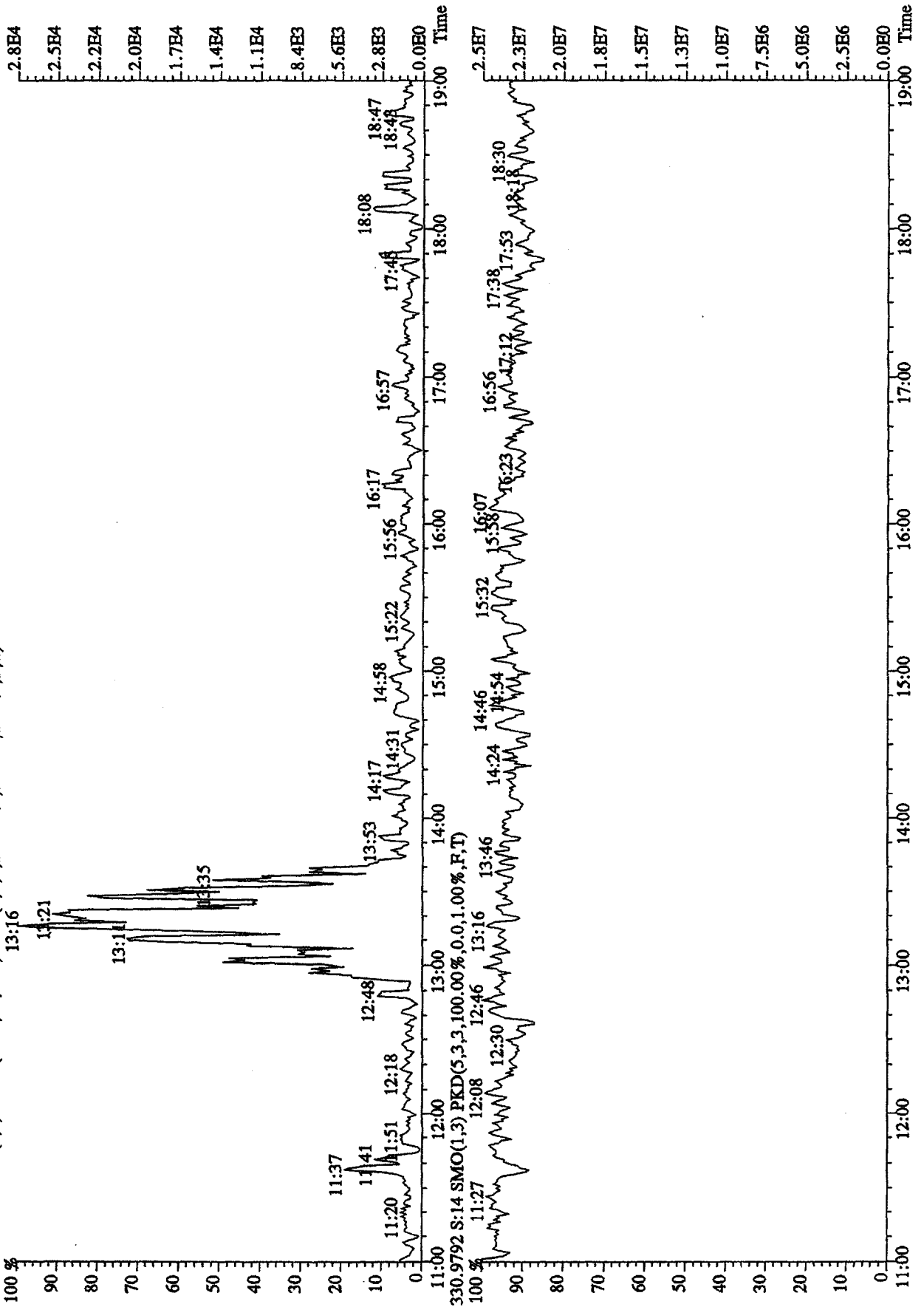
333.9339 S: 14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3384.0,1.00%,F,T)
 A5.60E7



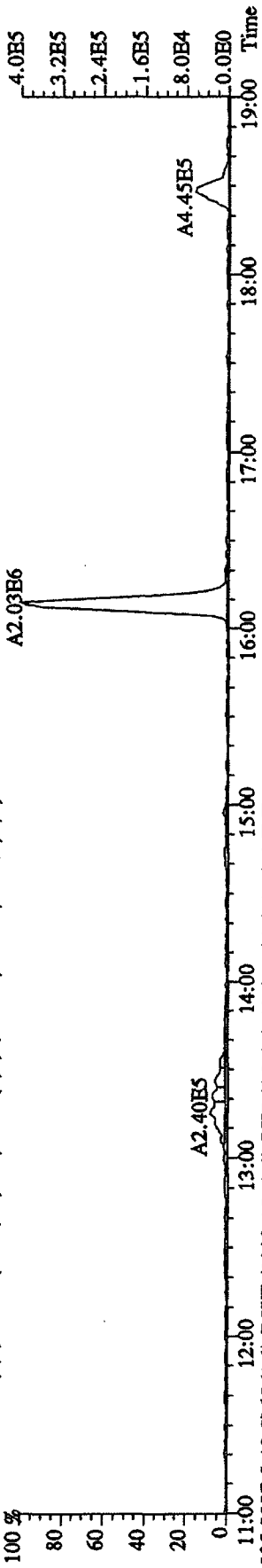
337.8840 S: 14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)
 A6.59E5



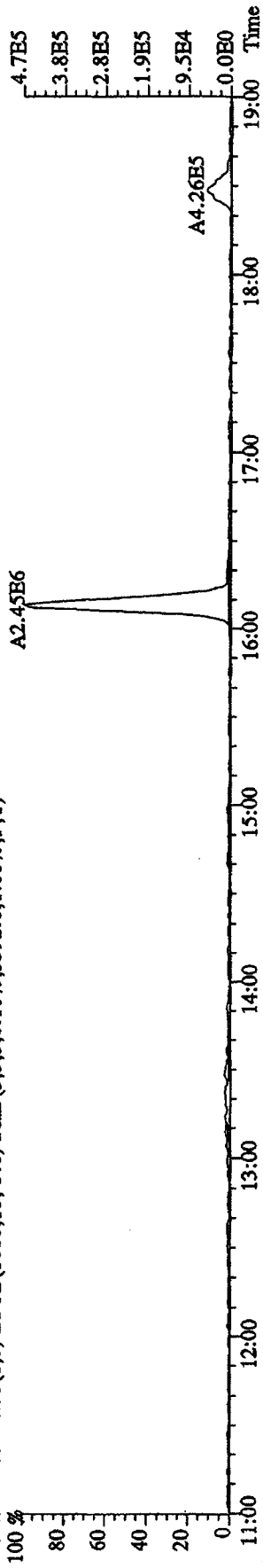
File: 21AP10SD2 #1-1242 Acq: 21-APR-2010 18:17:40 GC BI+ Voltage SIR 70SE
 Sample #14 Text: ST04211 :CSI 09DXN422 Exp: DIOXIN
 375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00% F,T)
 13:16



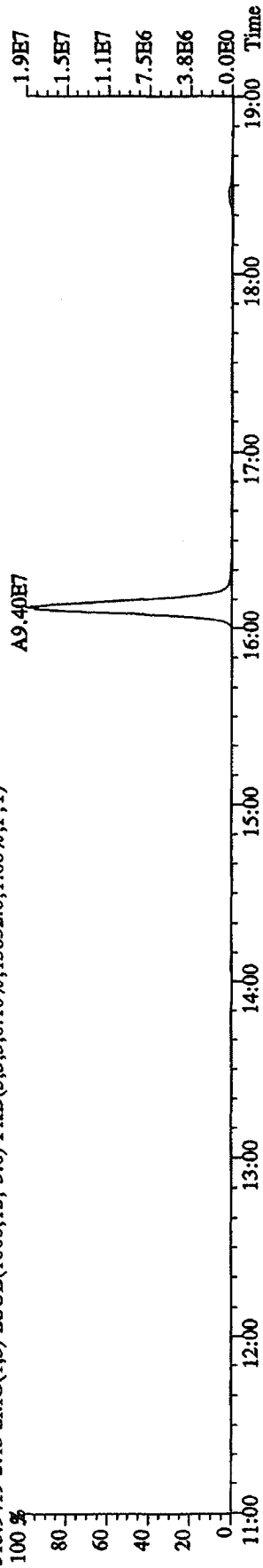
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
 303.9016 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3104,0,1.00%,F,T)



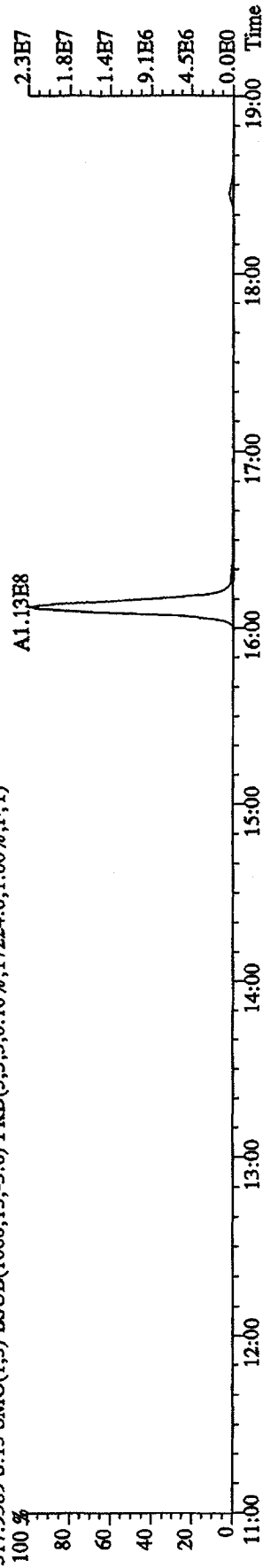
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13852,0,1.00%,F,T)



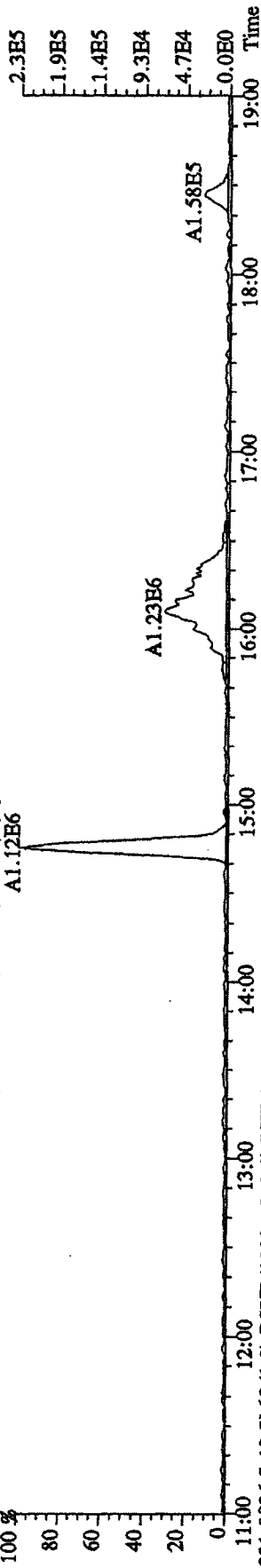
315.9419 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13852,0,1.00%,F,T)



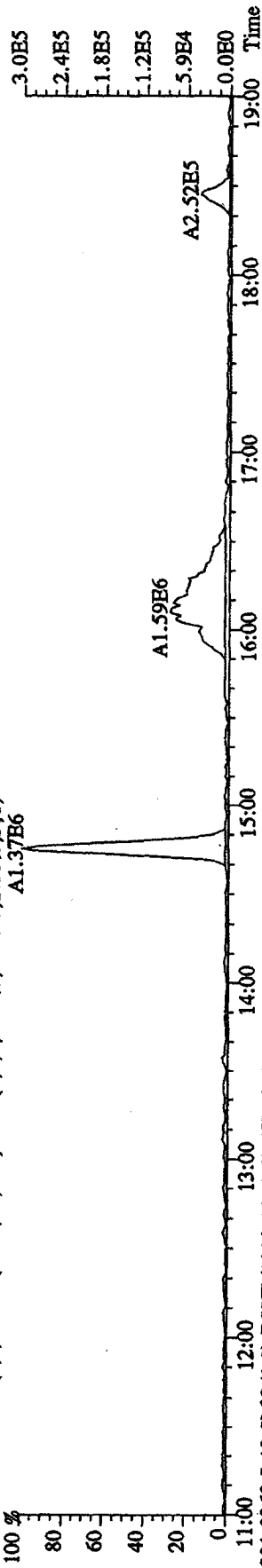
317.9389 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,17224,0,1.00%,F,T)



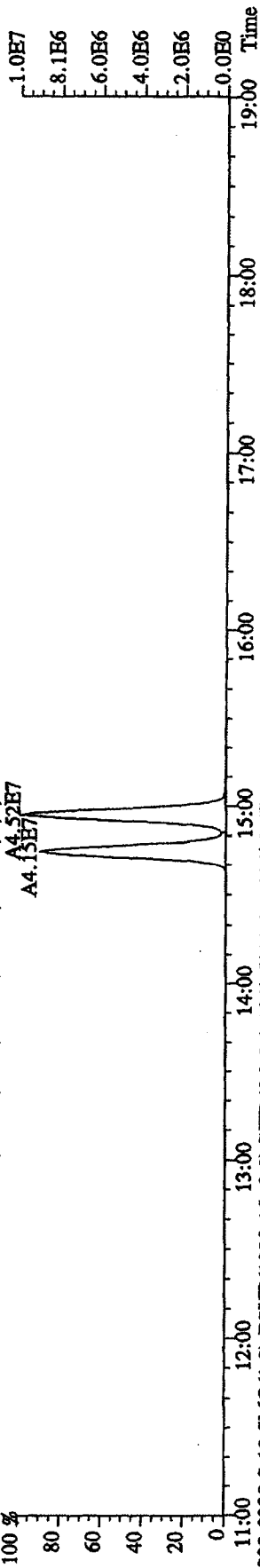
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2944.0,1.00%,F,T)
 100% A1.12E6



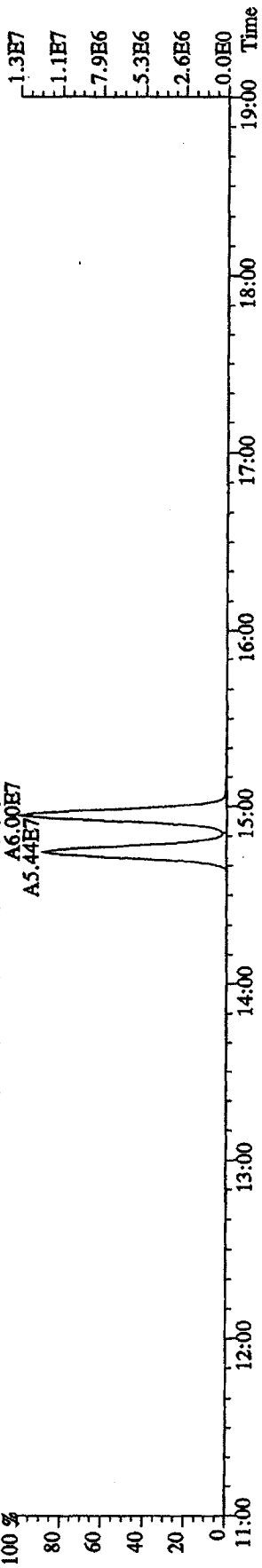
321.8936 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3856.0,1.00%,F,T)
 100% A1.37E6



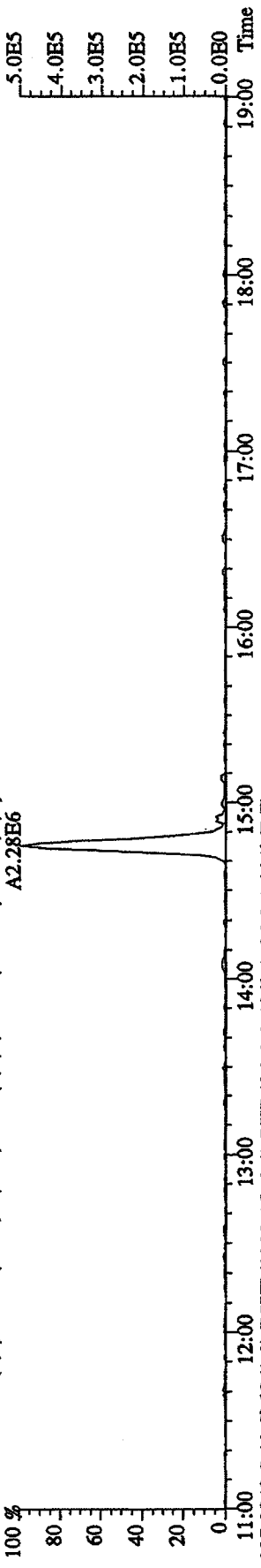
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7812.0,1.00%,F,T)
 100% A4.15E7, A4.52E7



333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5032.0,1.00%,F,T)
 100% A5.44E7, A6.00E7

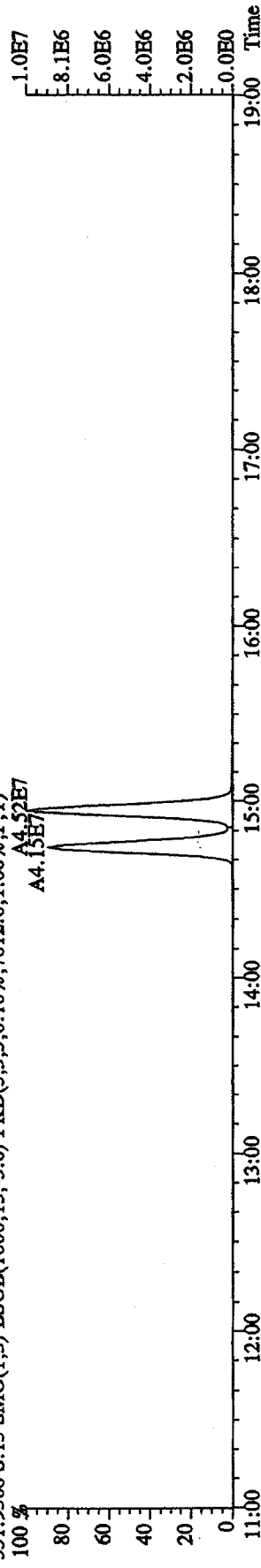


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
 327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)
 A2.28E6

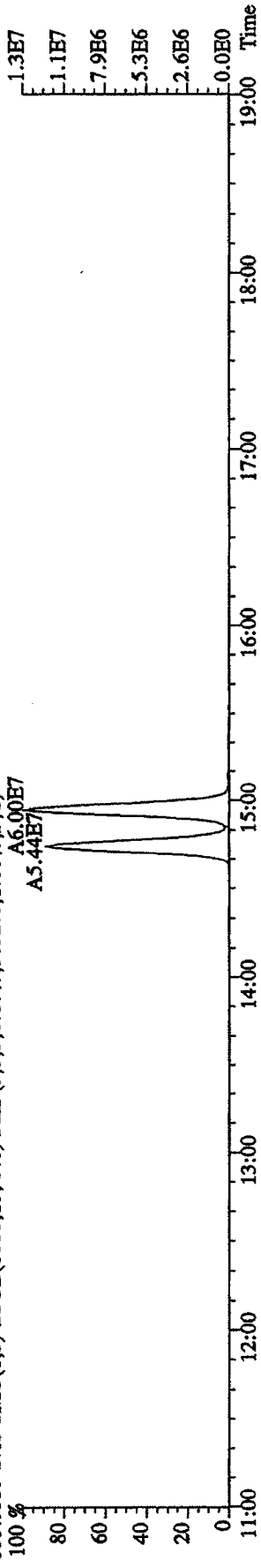


327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)
 A2.28E6

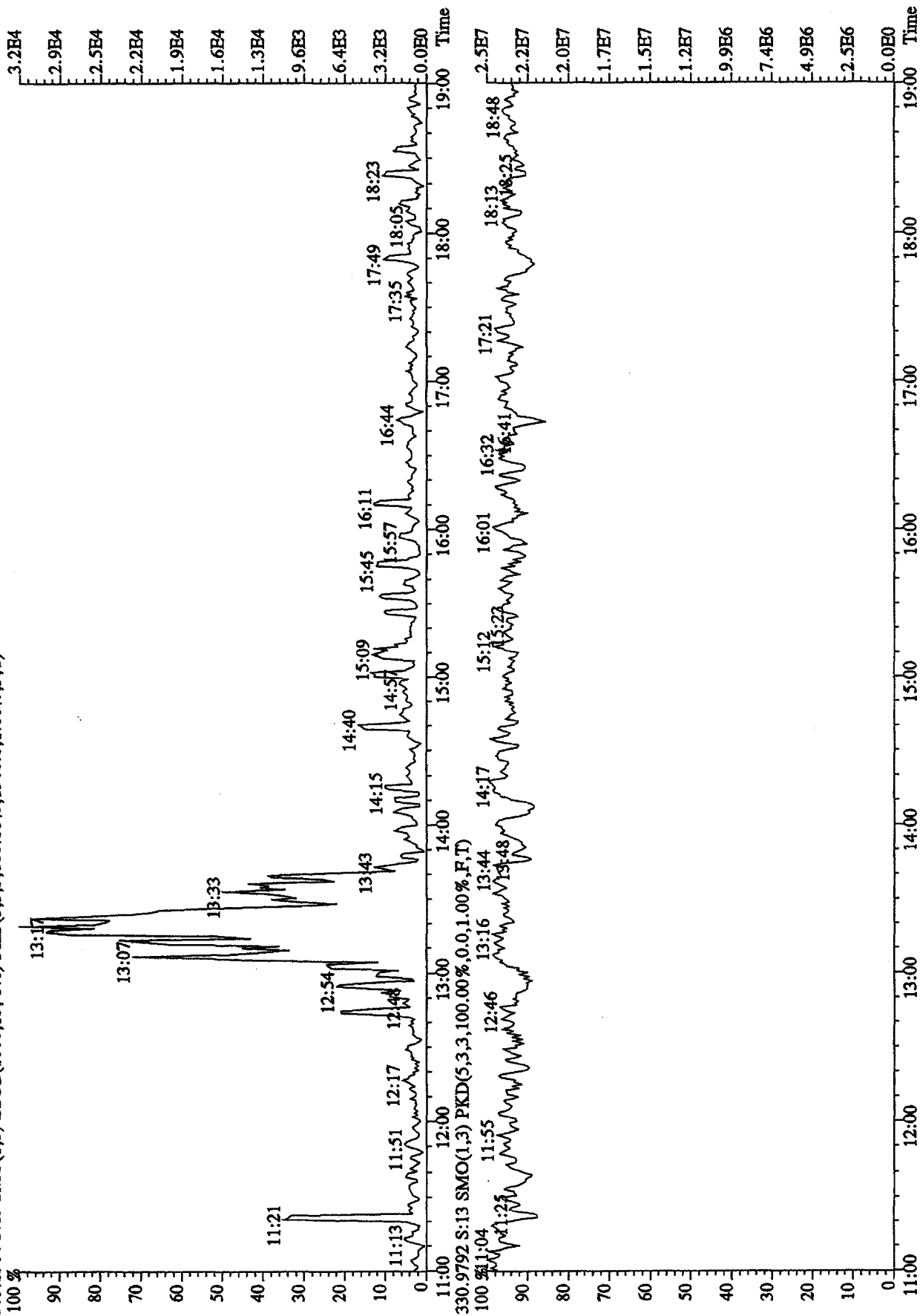
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7812.0,1.00%,F,T)
 A4.52E7
 A4.15E7



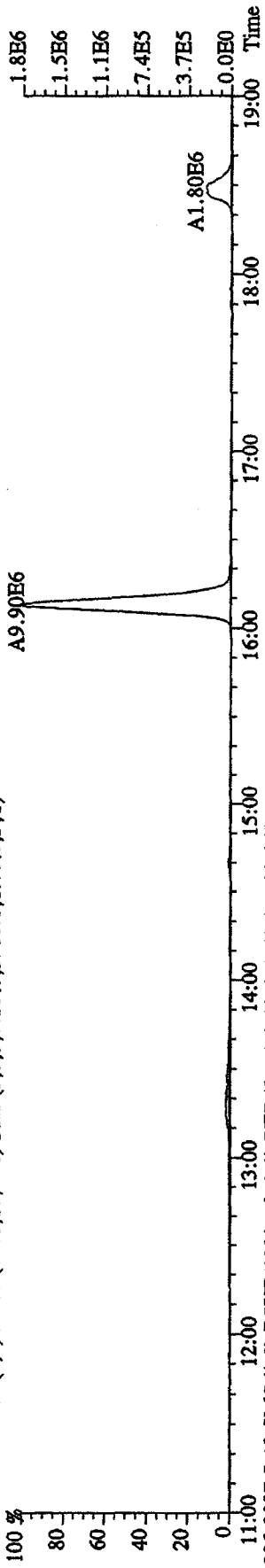
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5032.0,1.00%,F,T)
 A6.00E7
 A5.44E7



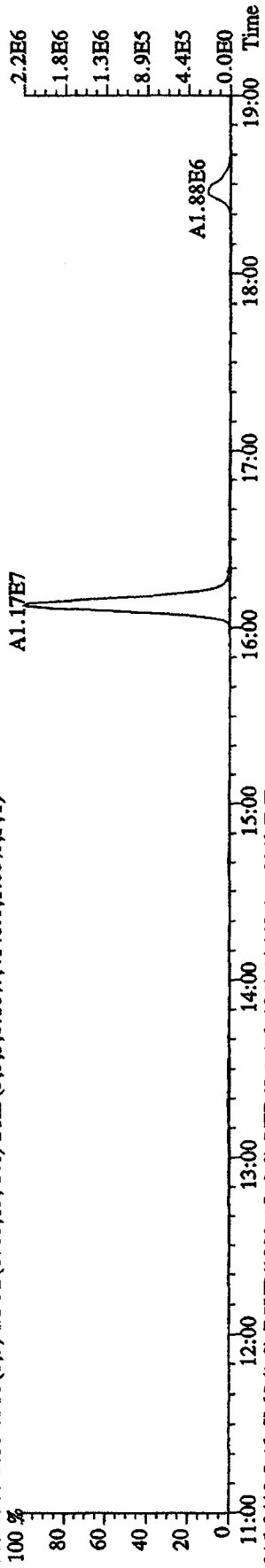
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
 375.8364 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



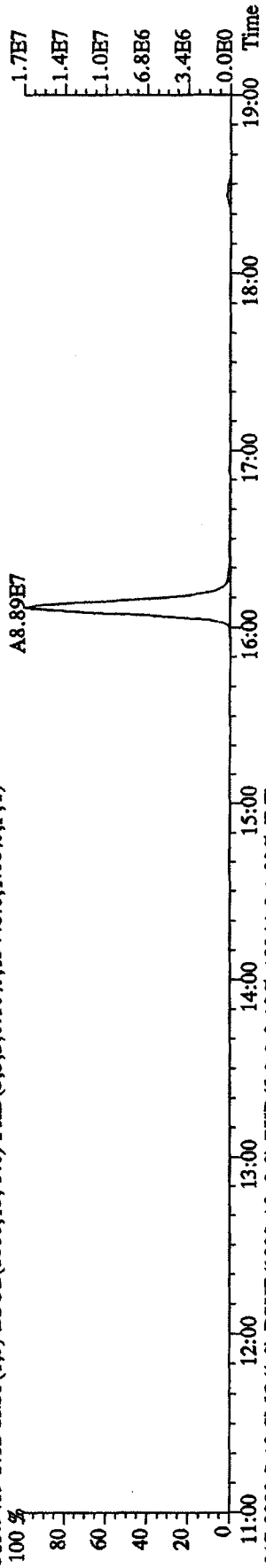
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
 Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
 303.9016 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3360,0,1.00%,F,T)



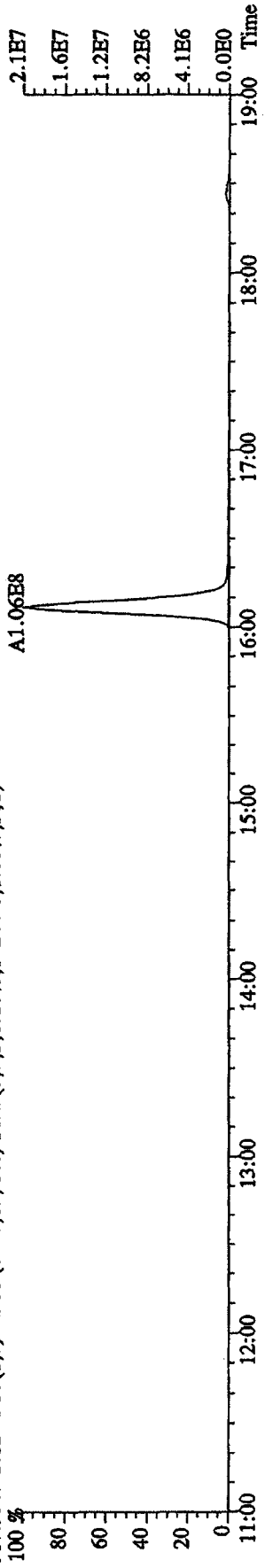
305.8987 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4140,0,1.00%,F,T)



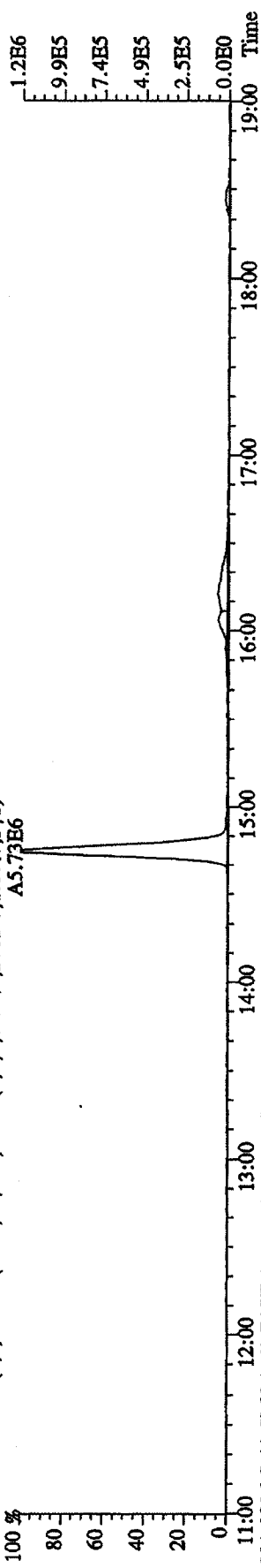
315.9419 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13448,0,1.00%,F,T)



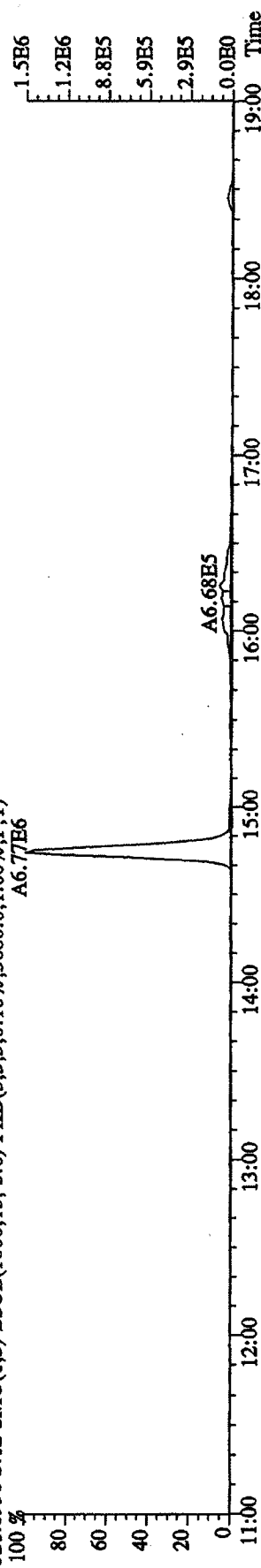
317.9389 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,18244,0,1.00%,F,T)



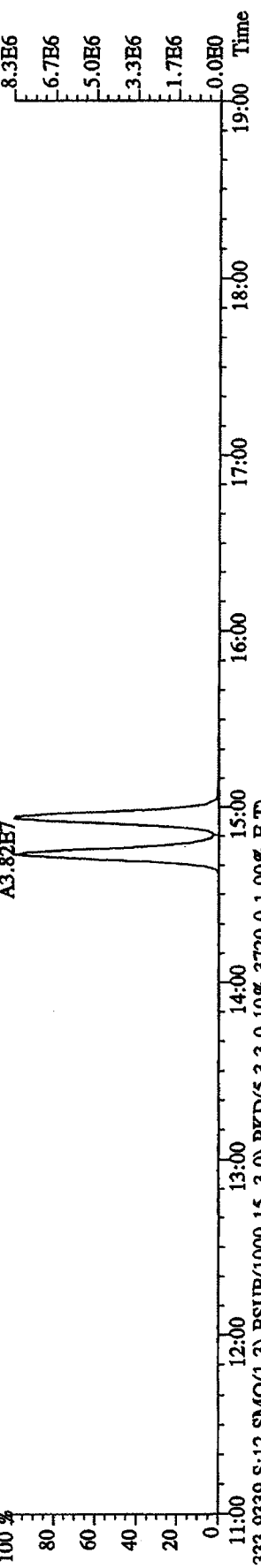
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
 Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
 319.8965 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2712.0,1.00%,F,T)
 A5.73E6



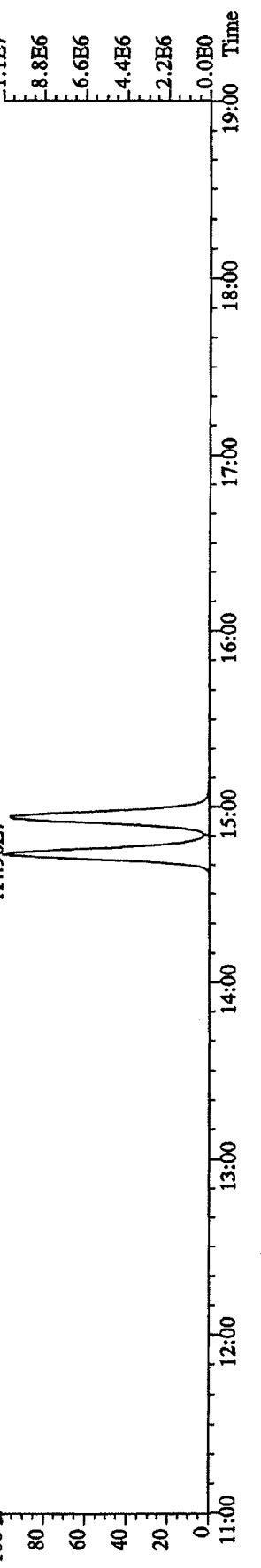
321.8936 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)
 A6.77E6



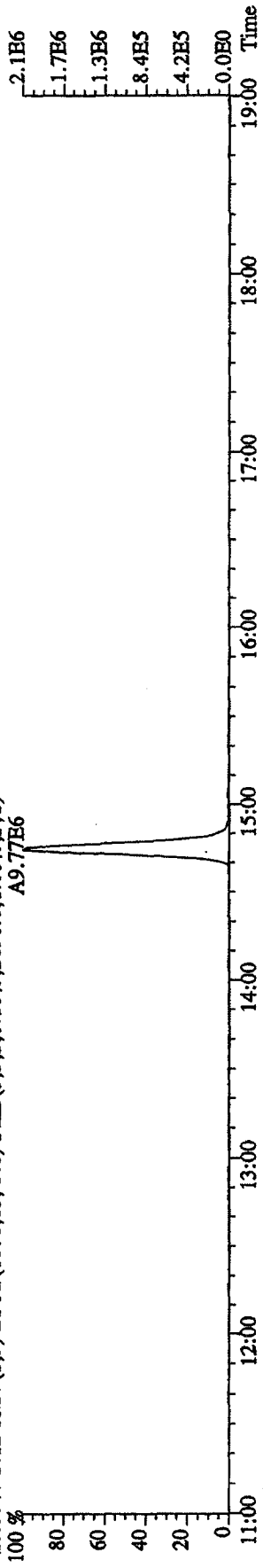
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9256.0,1.00%,F,T)
 A3.82E7



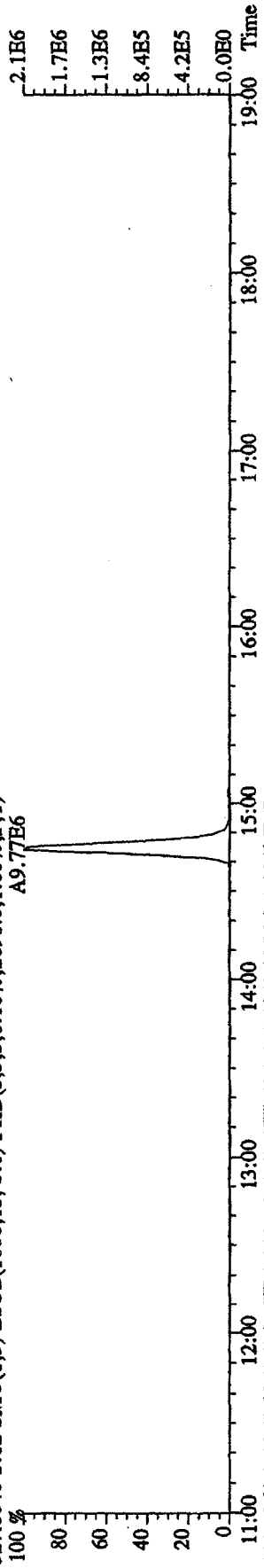
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)
 A4.96E7



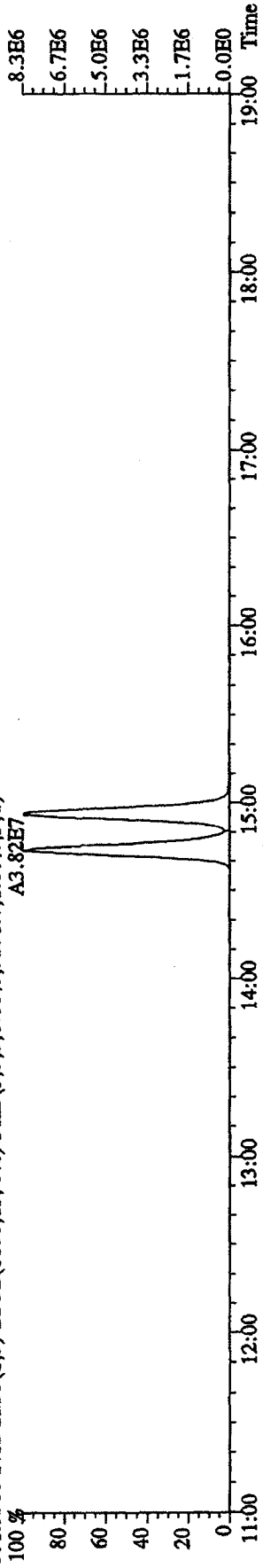
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:03:38 GC HI+ Voltage SIR 70SE
 Sample#12 Text: ST0421G : CS3 10DXN111 Exp: DIOXIN
 327.8840 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)
 A9.77E6



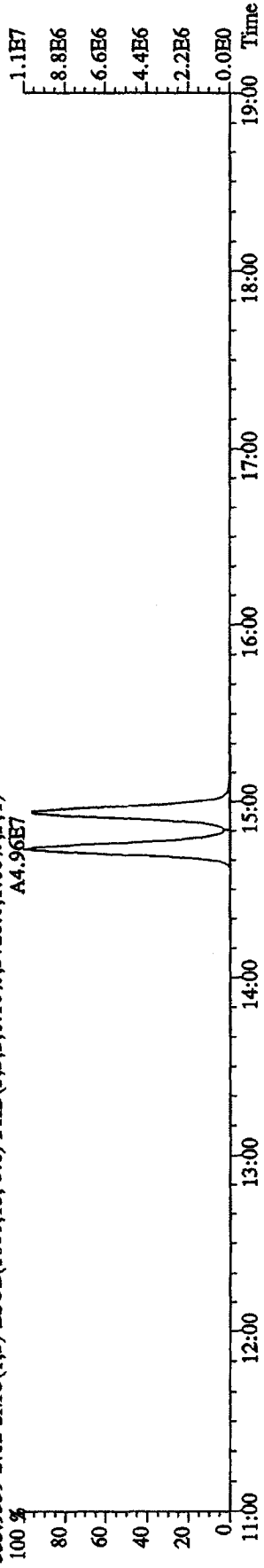
327.8840 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)
 A9.77E6



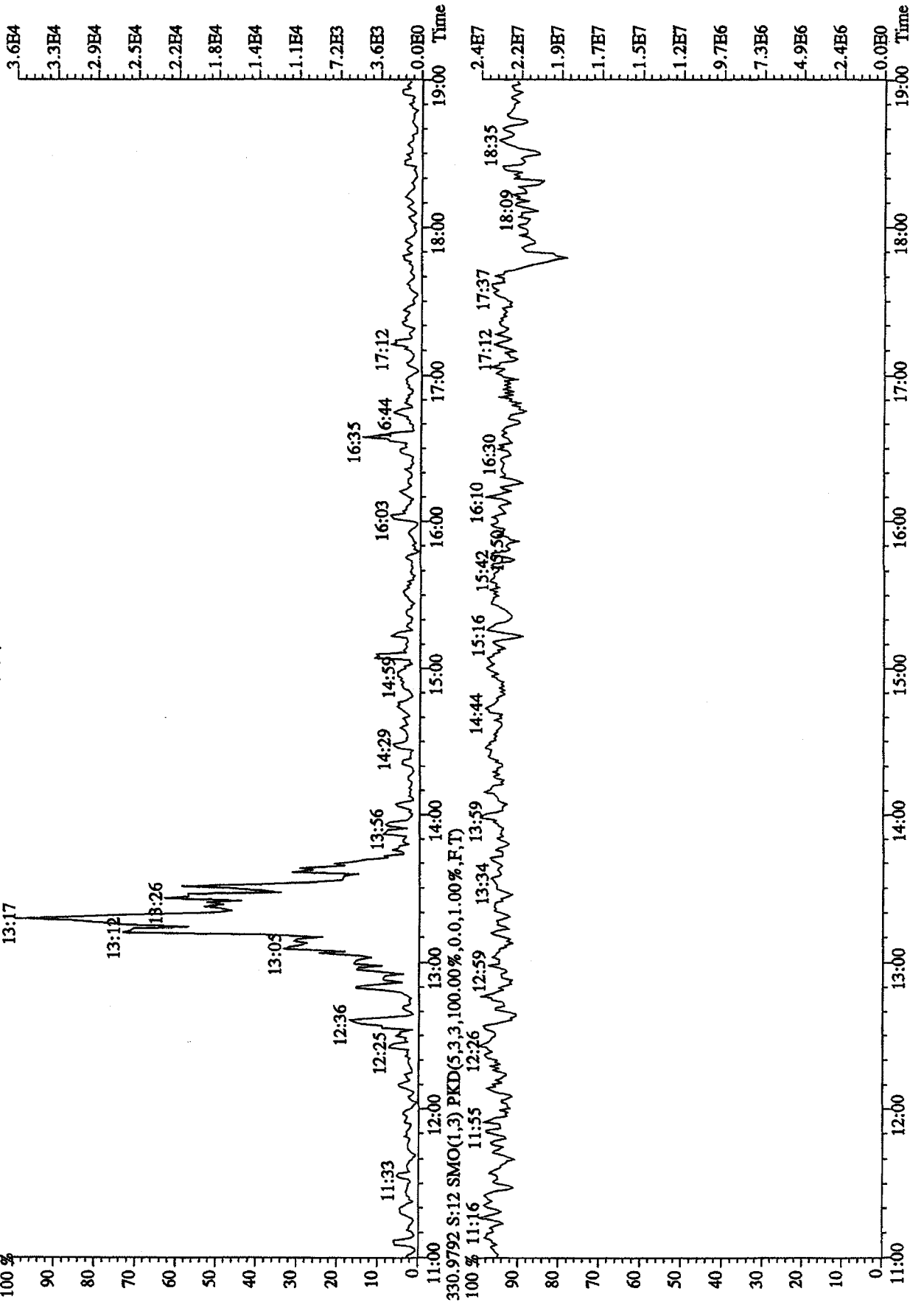
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9256.0,1.00%,F,T)
 A3.82E7



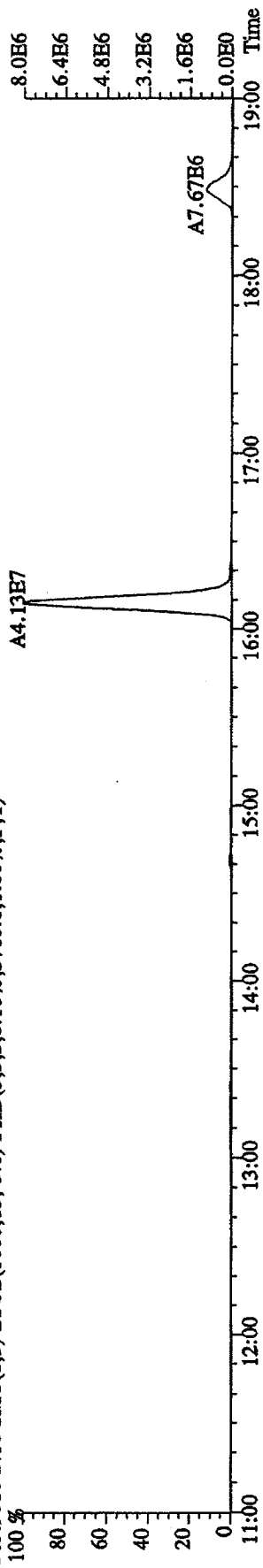
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)
 A4.96E7



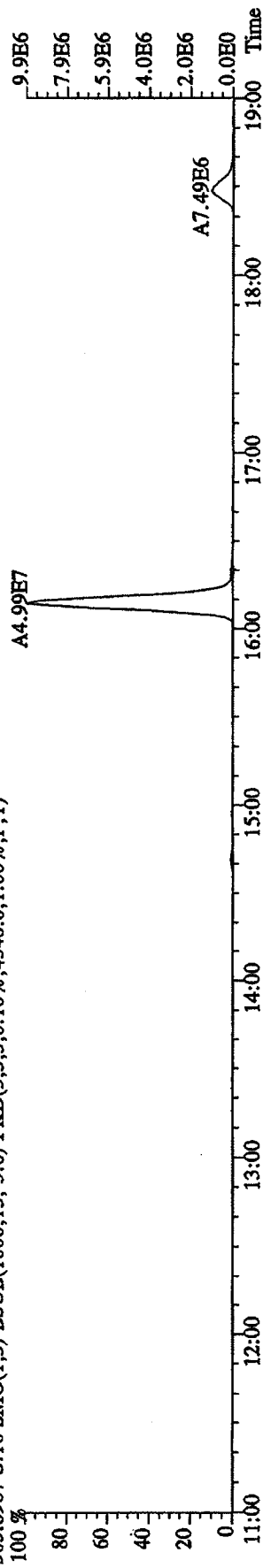
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
 Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
 375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1252.0,1.00%,F,T)



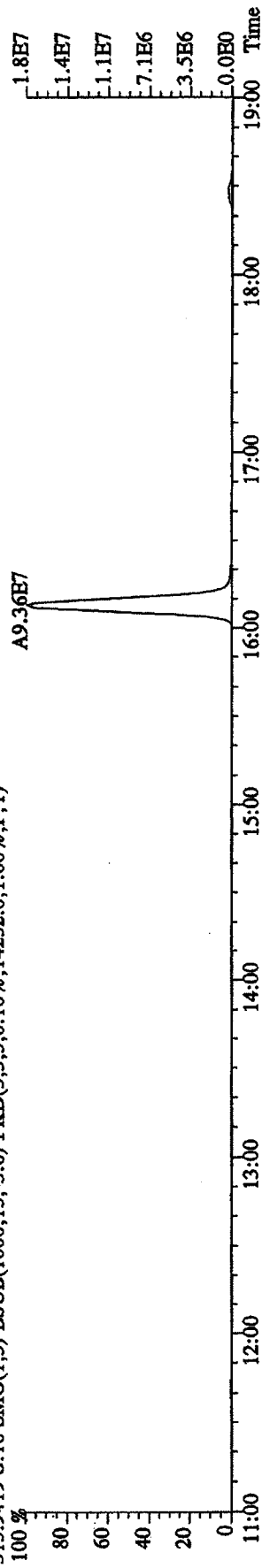
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
 Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
 303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3760.0,1.00%,F,T)



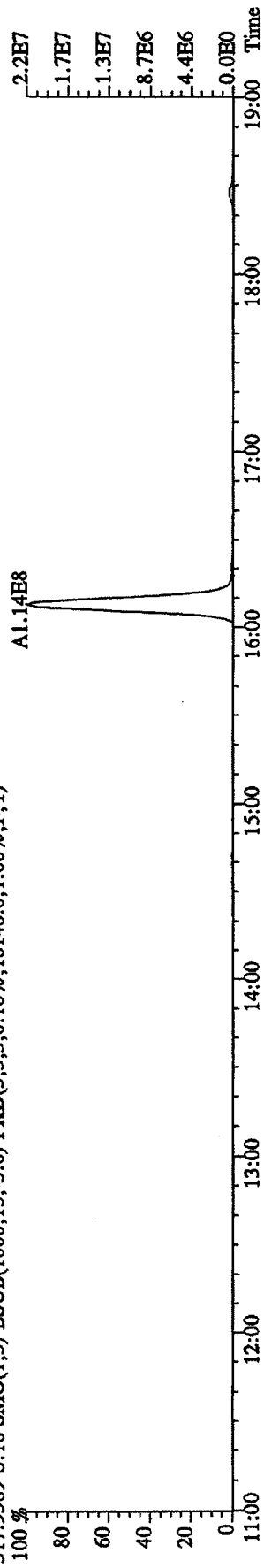
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)



315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14252.0,1.00%,F,T)



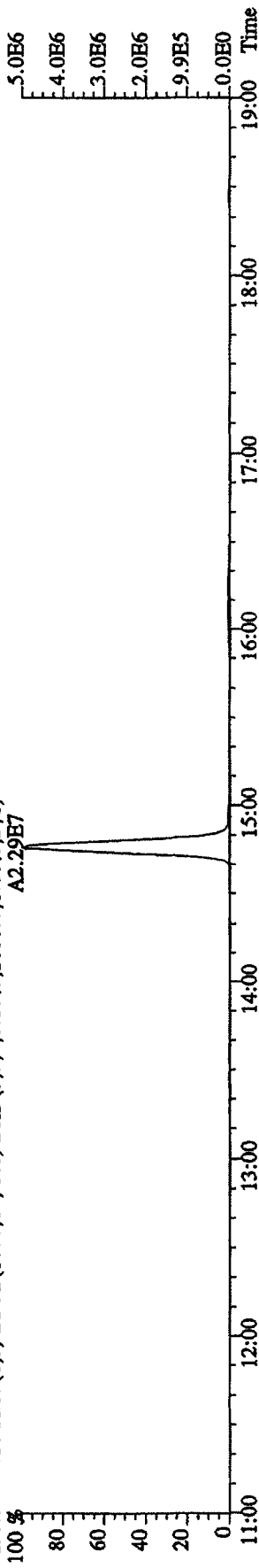
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18148.0,1.00%,F,T)



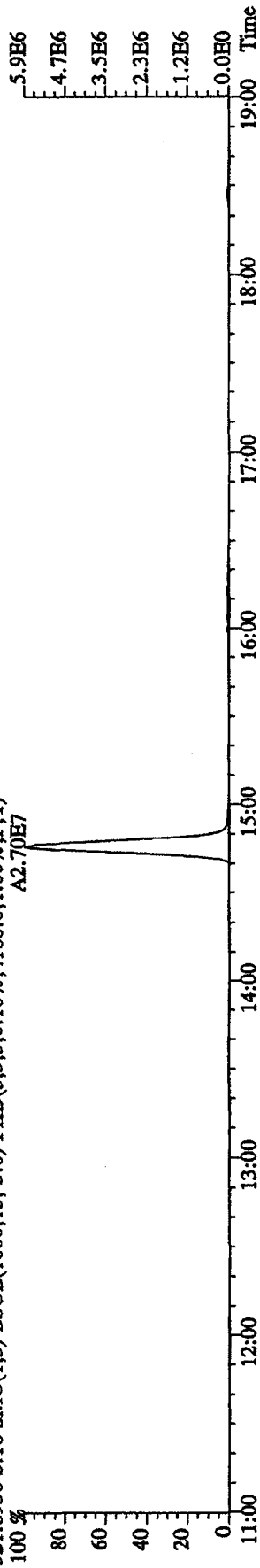
File:21API05D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE

Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN

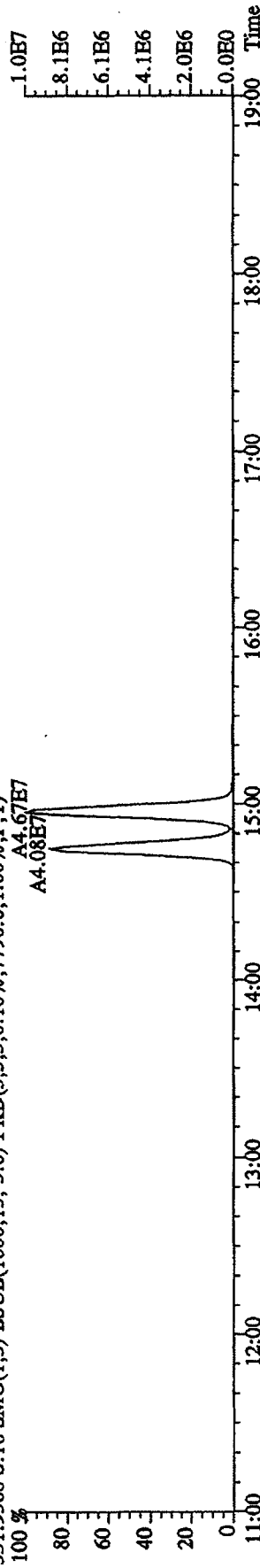
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2888.0,1.00%,F,T)
A2.29E7



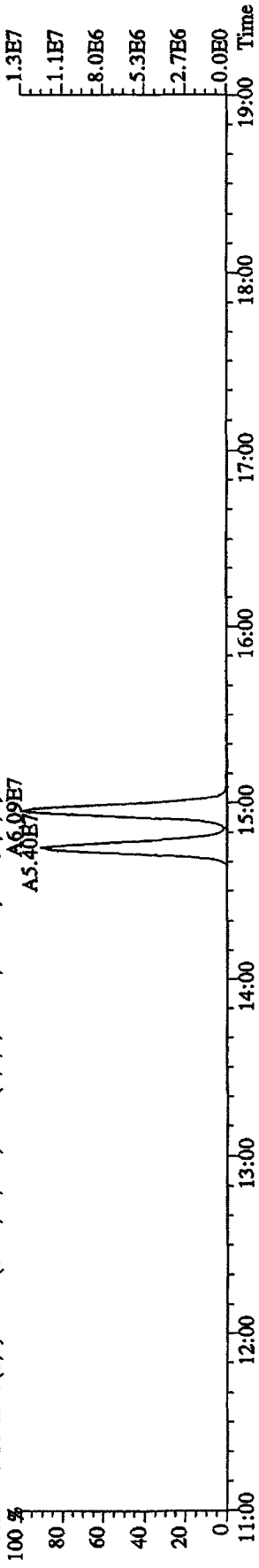
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4188.0,1.00%,F,T)
A2.70E7



331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7796.0,1.00%,F,T)
A4.67E7



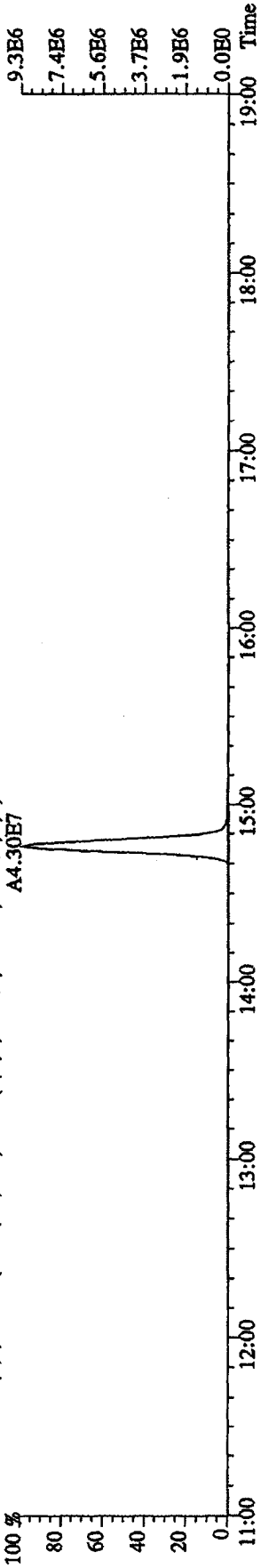
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)
A5.40E7



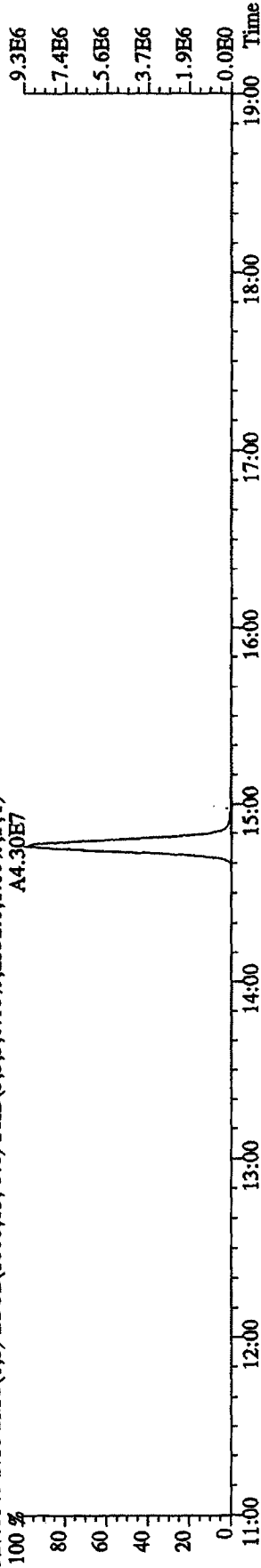
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE

Sample#16 Text: ST0421K : CS4 09DXN426 Exp: DIOXIN

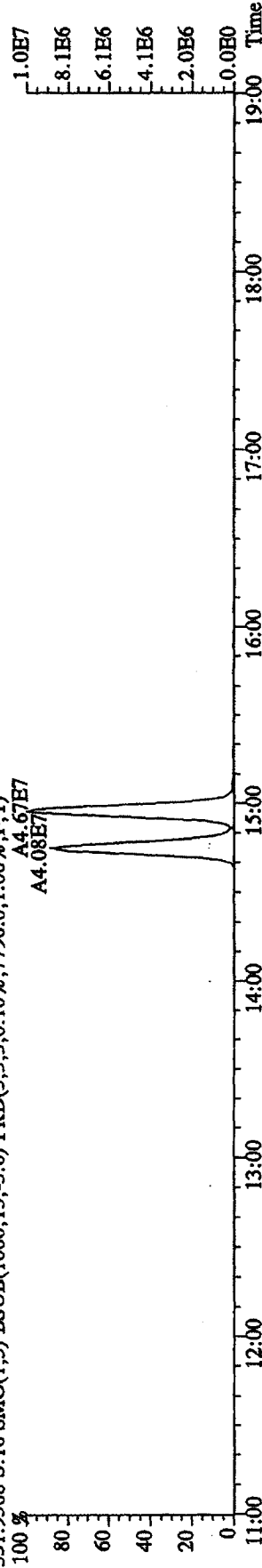
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T) A4.30E7



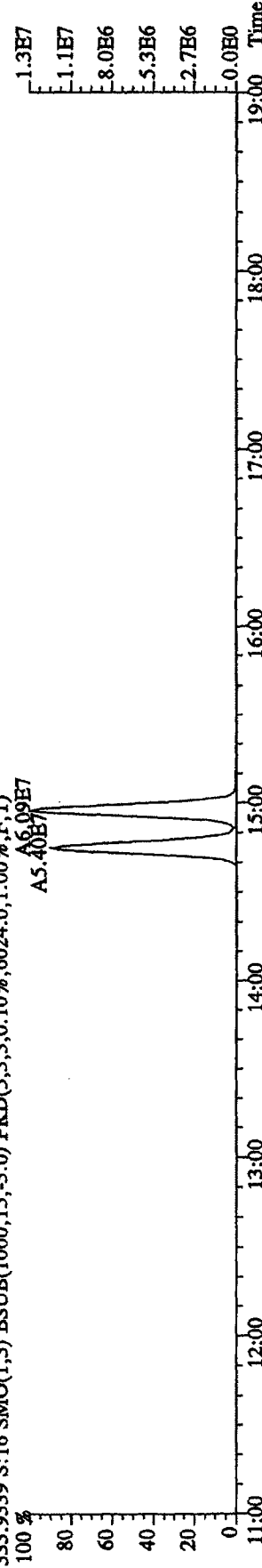
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7796.0,1.00%,F,T) A4.67E7



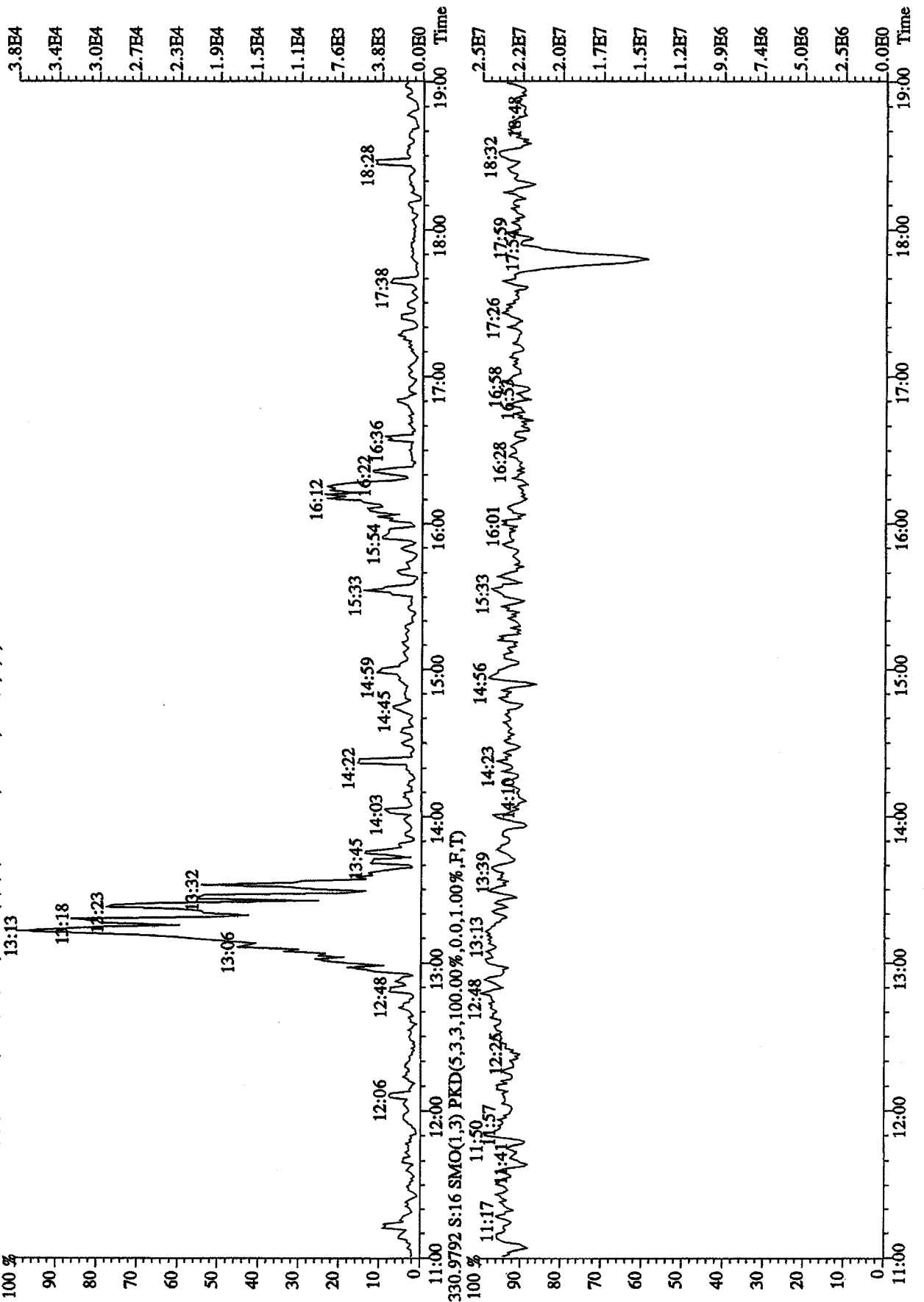
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T) A5.40E7



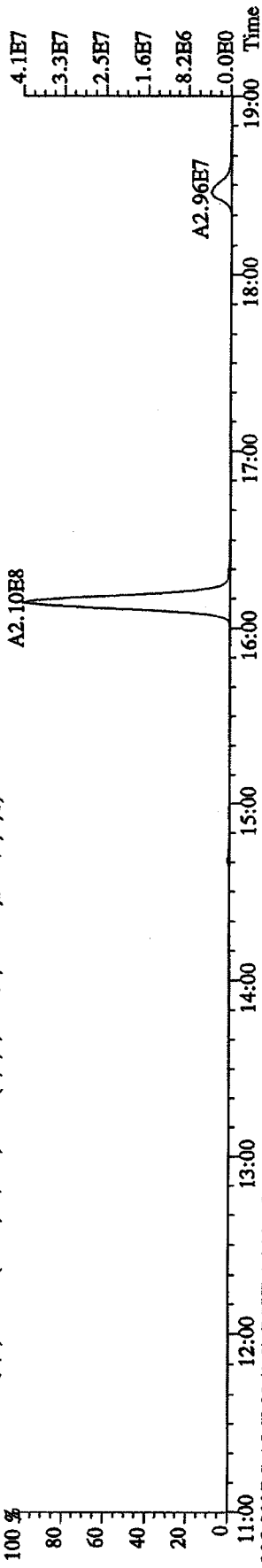
337.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T) A4.30E7



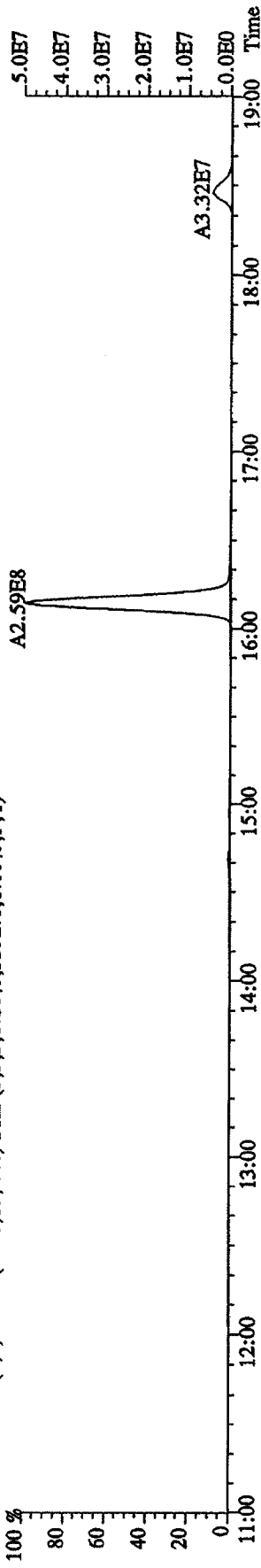
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
 Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
 375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



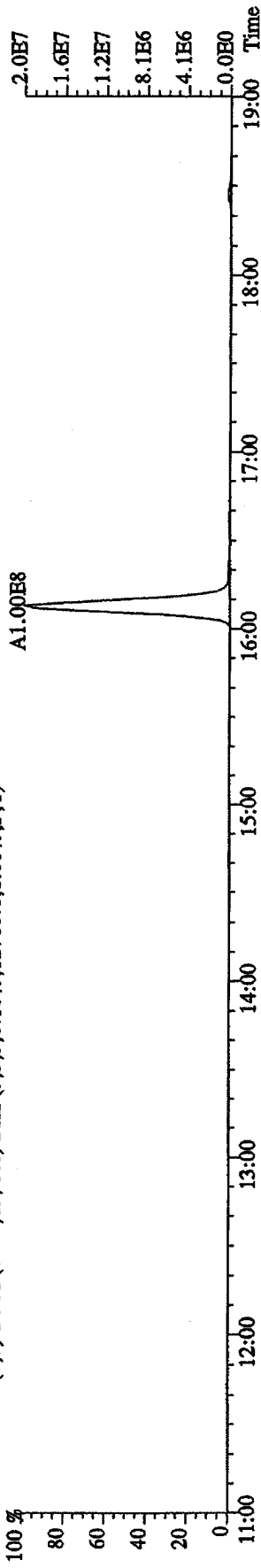
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN
 305.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4480.0,1.00%,F,T)



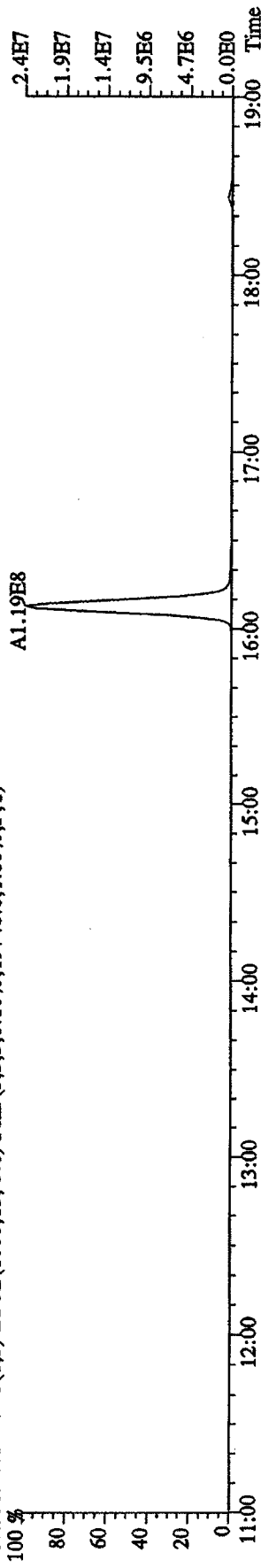
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3392.0,1.00%,F,T)



315.9419 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12760.0,1.00%,F,T)



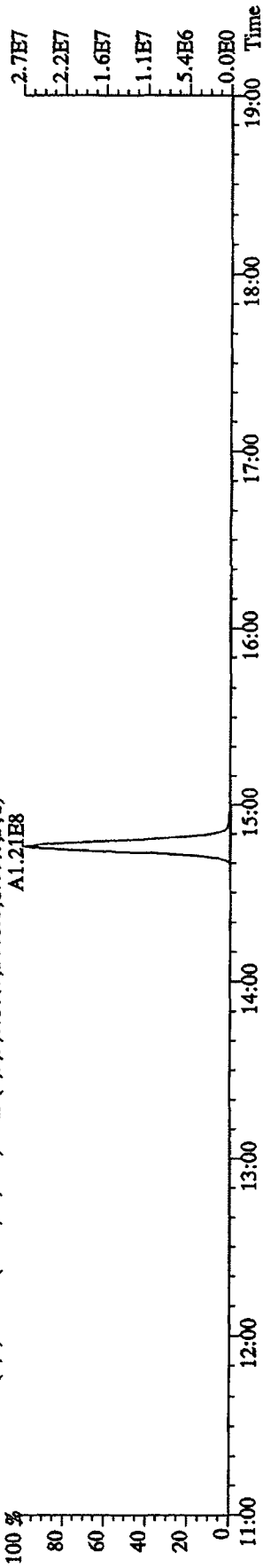
317.9389 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19748.0,1.00%,F,T)



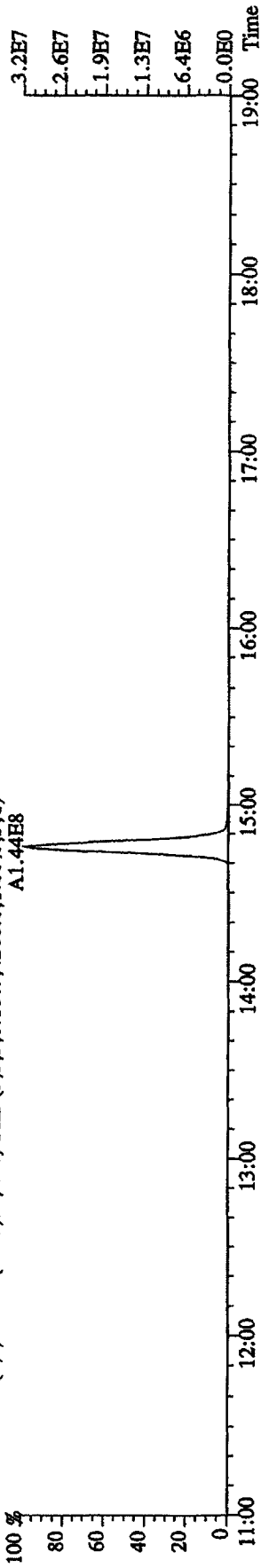
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE

Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN

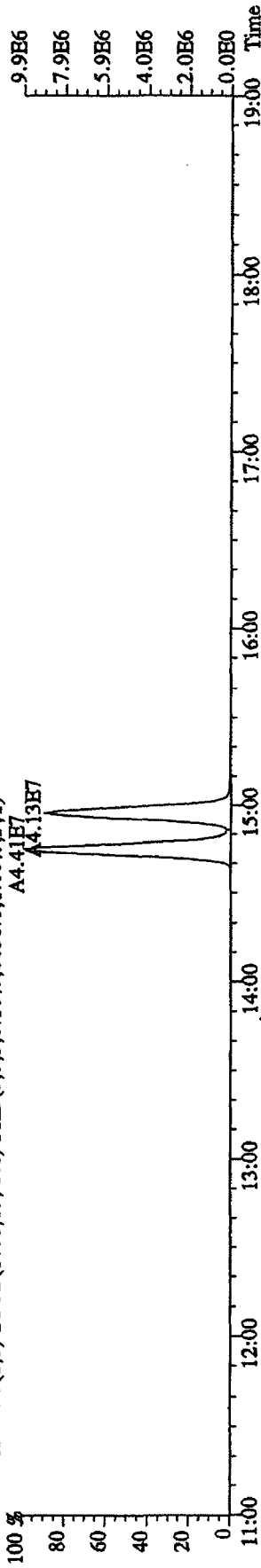
319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2688.0,1.00%,F,T)
A1.21E8



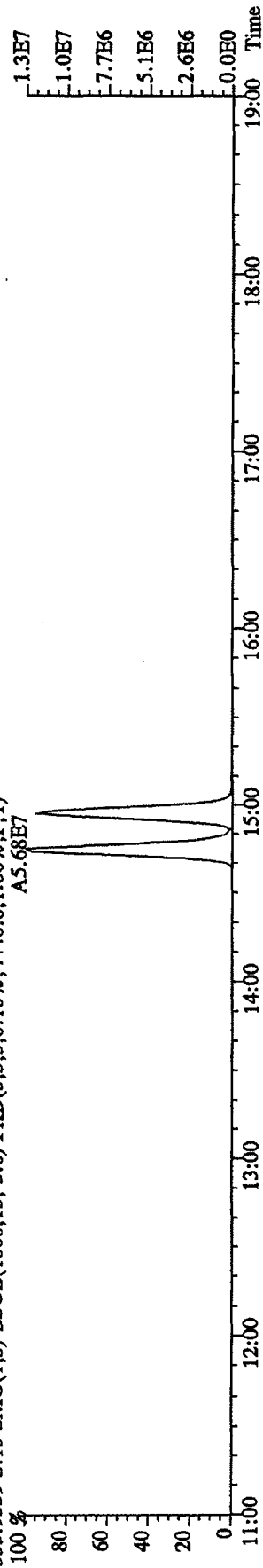
321.8936 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4280.0,1.00%,F,T)
A1.44E8



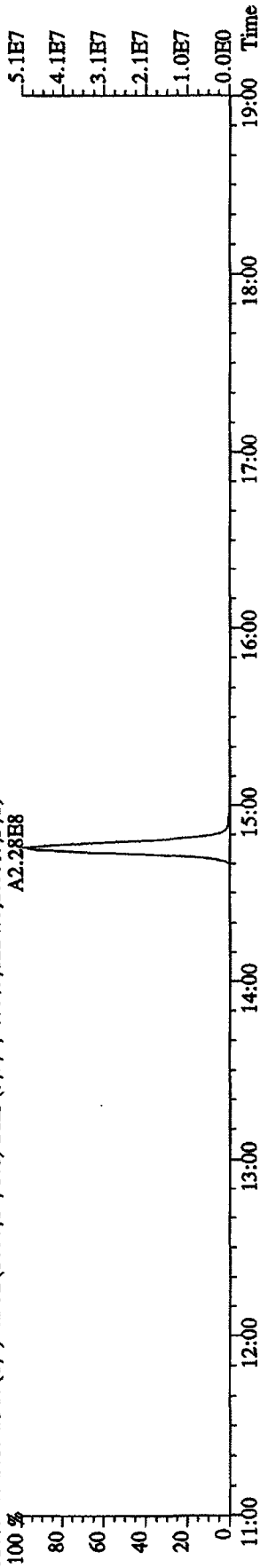
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)
A4.41E7



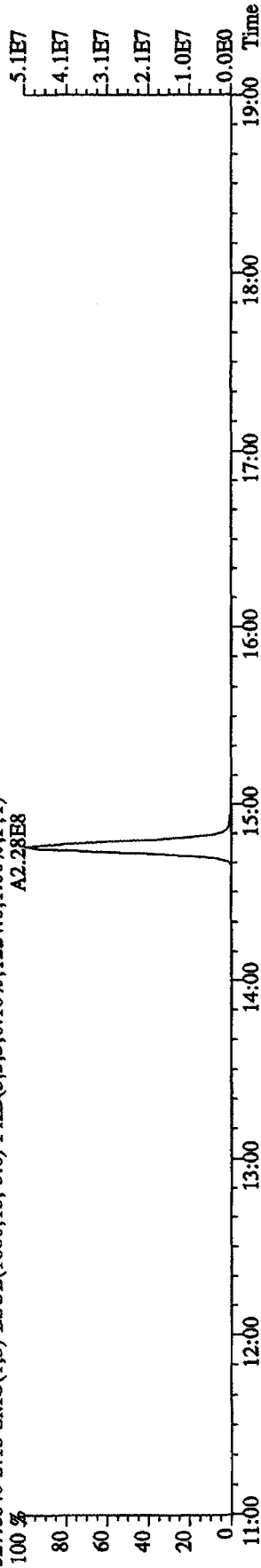
333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4440.0,1.00%,F,T)
A5.68E7



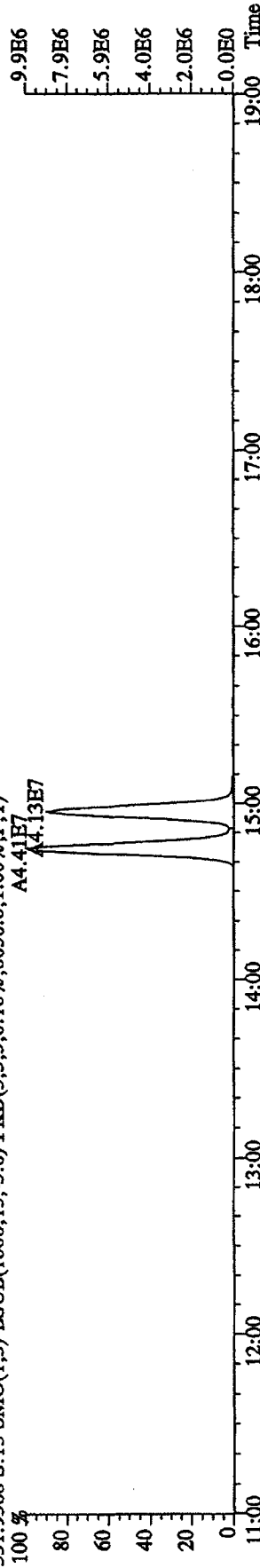
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN
 327.8840 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1224.0,1.00%,F,T)
 A2.28E8



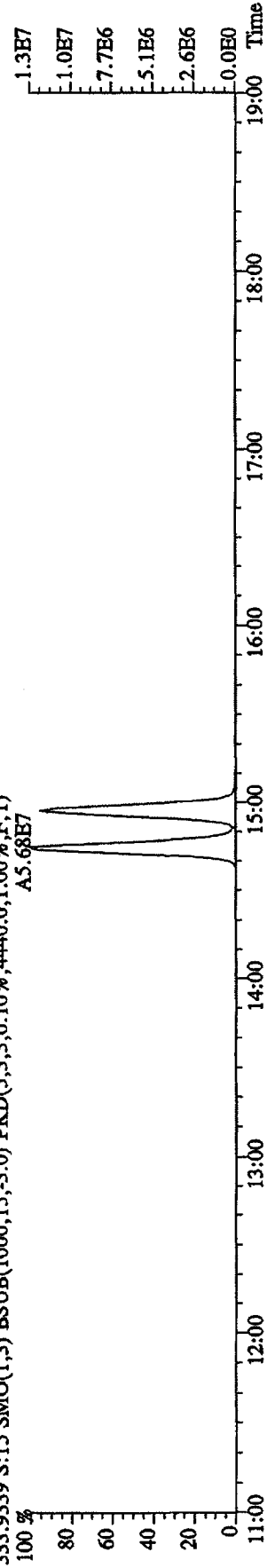
327.8840 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1224.0,1.00%,F,T)
 A2.28E8



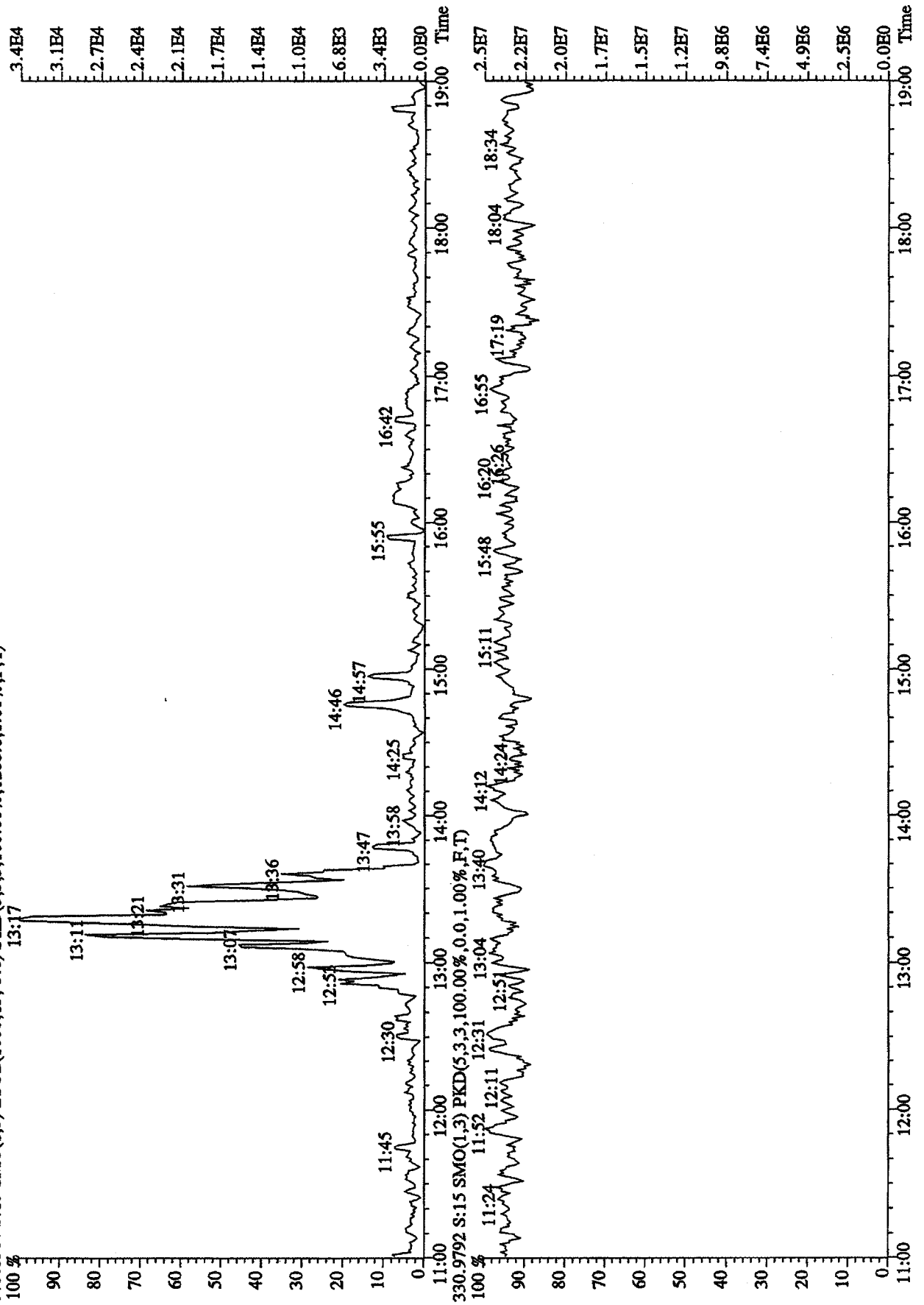
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)
 A4.41E7



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



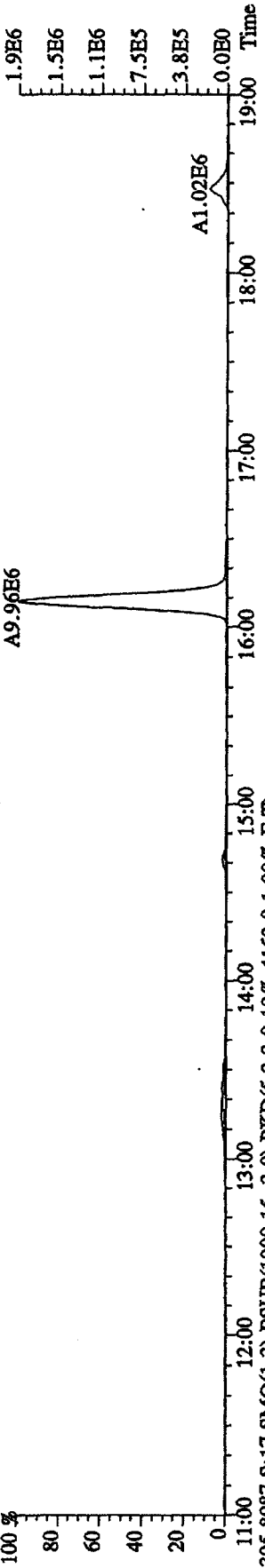
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text: ST0421J :CS5 09DXN456 Exp: DIOXIN
 375.8364 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1288.0,1.00%,F,T)



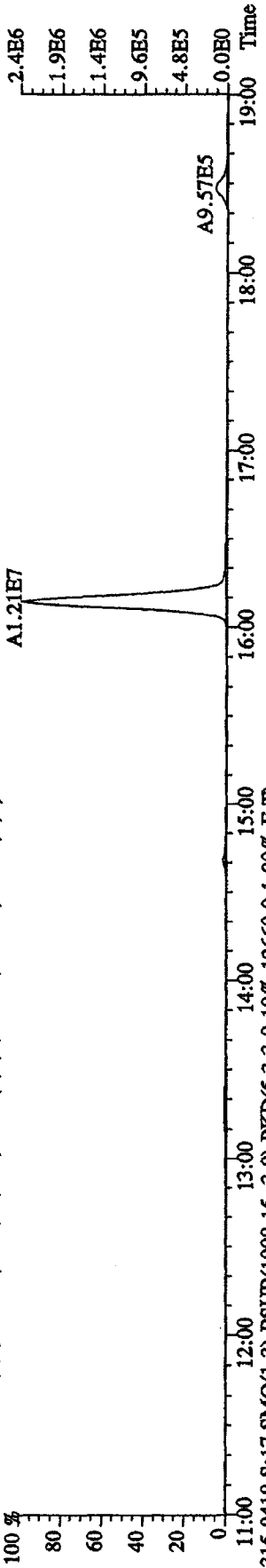
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE

Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN

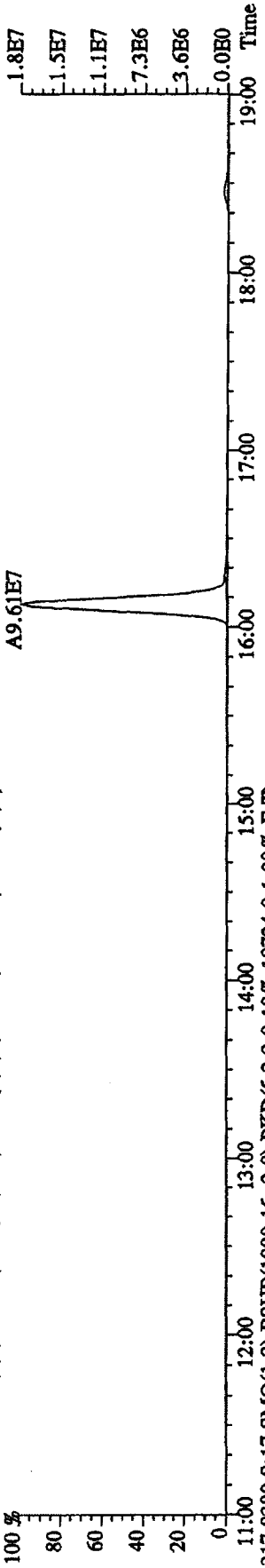
303.9016 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)



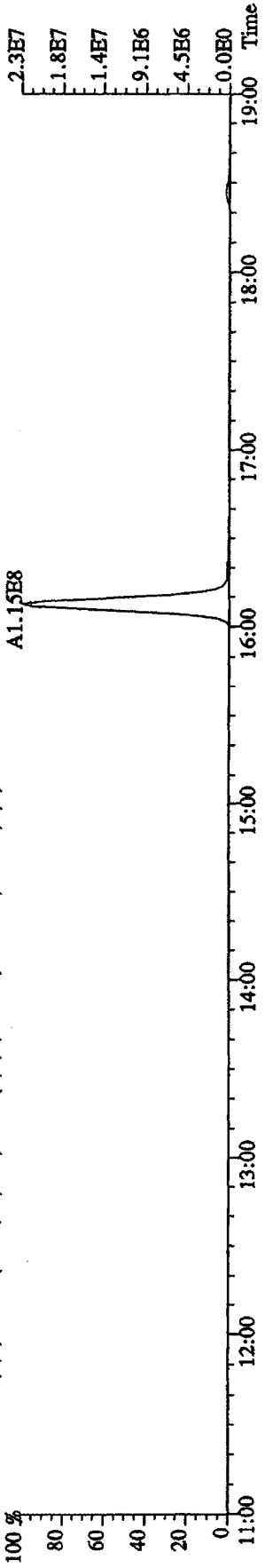
305.8987 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4152.0,1.00%,F,T)



315.9419 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12660.0,1.00%,F,T)



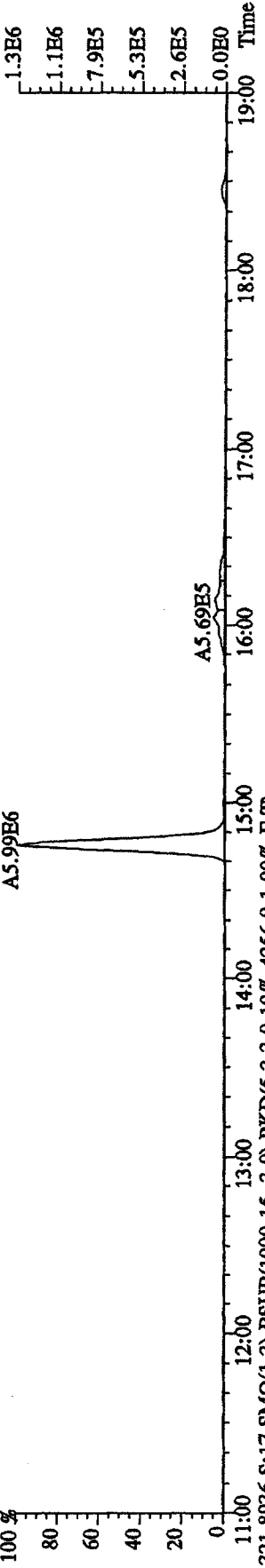
317.9389 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,19724.0,1.00%,F,T)



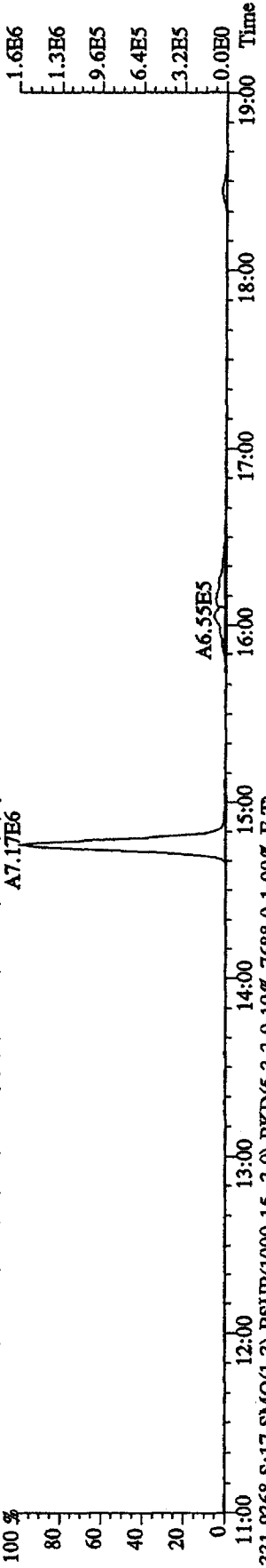
File:21API05D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE

Sample#17 Text:ST042IL :2nd Source 09DXN449 Exp:DIOXIN

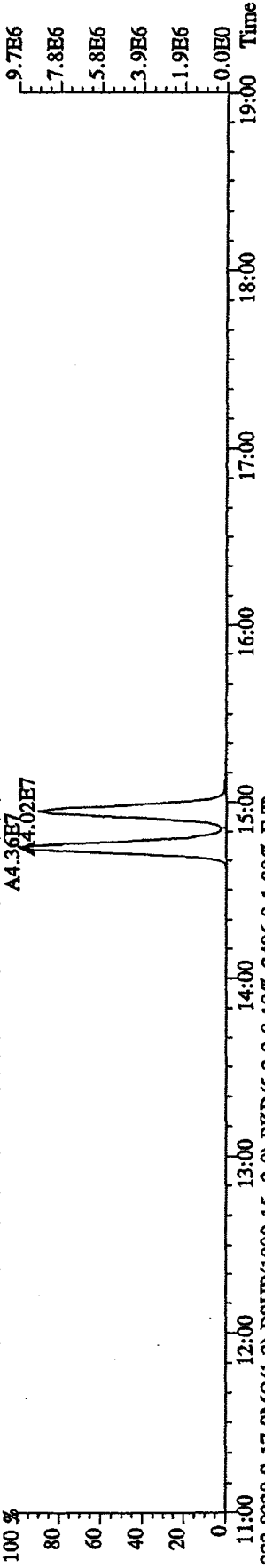
319.8965 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T) A5.99E6



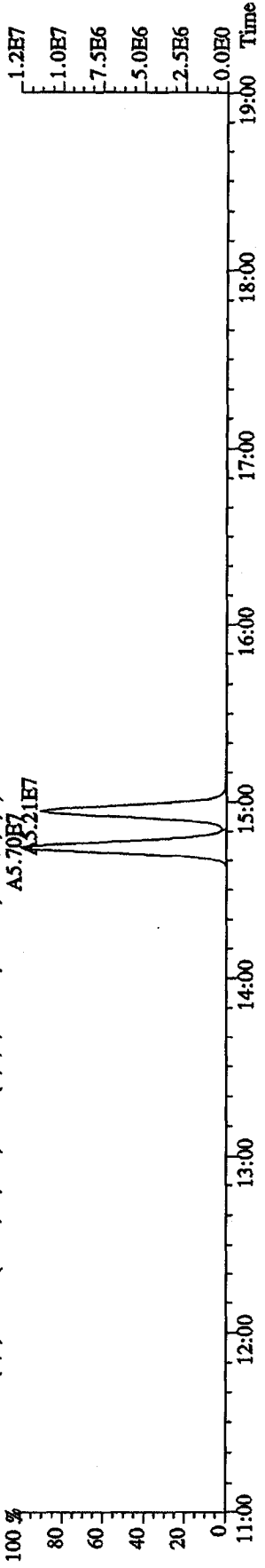
321.8936 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4256.0,1.00%,F,T) A7.17E6



331.9368 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7688.0,1.00%,F,T) A4.36E7



333.9339 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T) A5.70E7

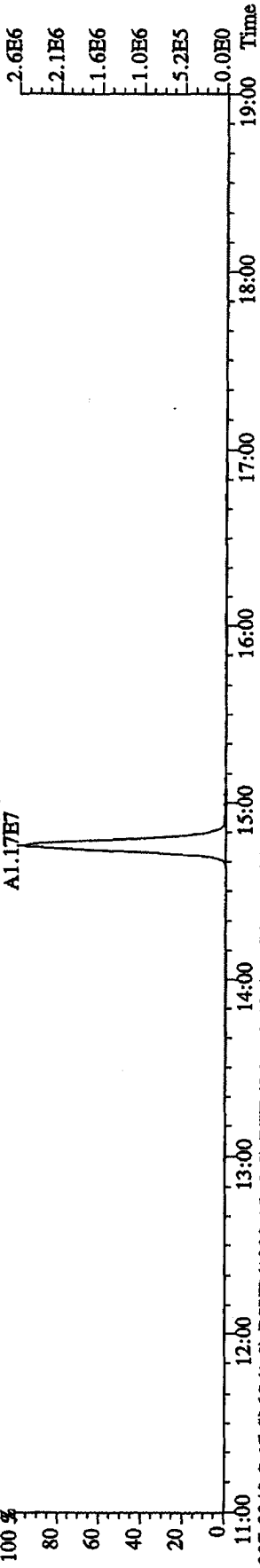


File: 21AP105D2 #1-1241 Acq: 21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE

Sample#17 Text: ST0421L : 2nd Source 09DXN449 Exp: DIOXIN

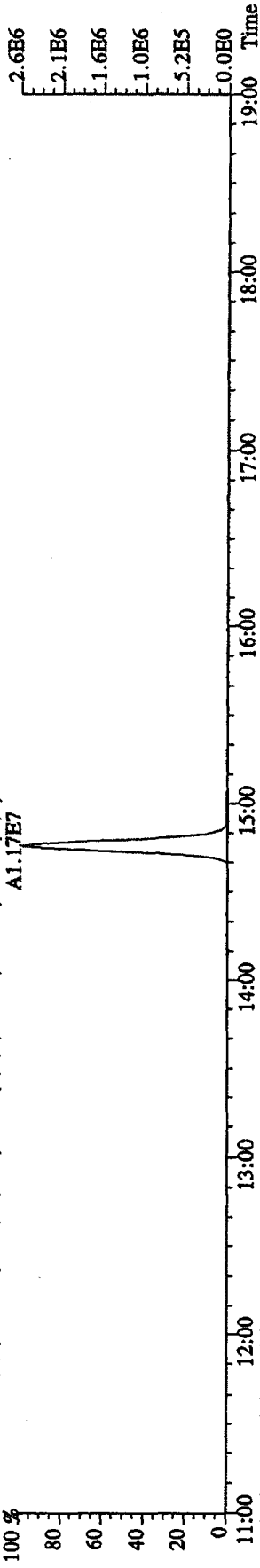
327.8840 S: 17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)

A1.17E7



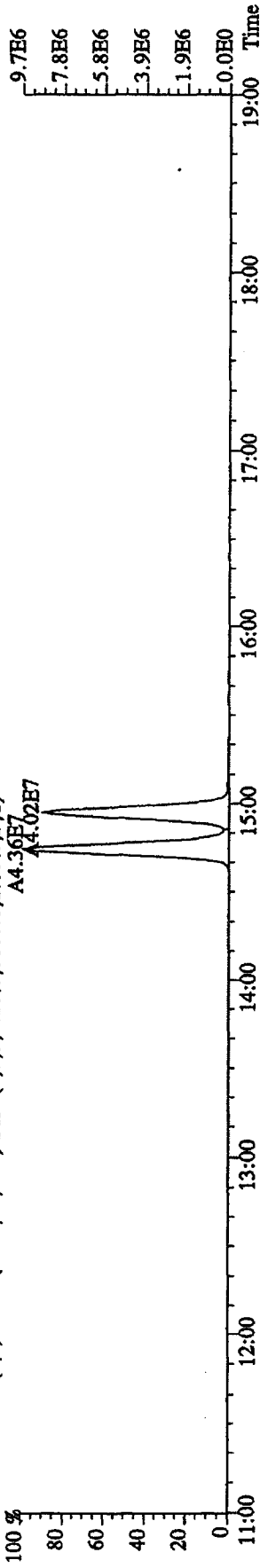
331.9368 S: 17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7688.0,1.00%,F,T)

A1.17E7



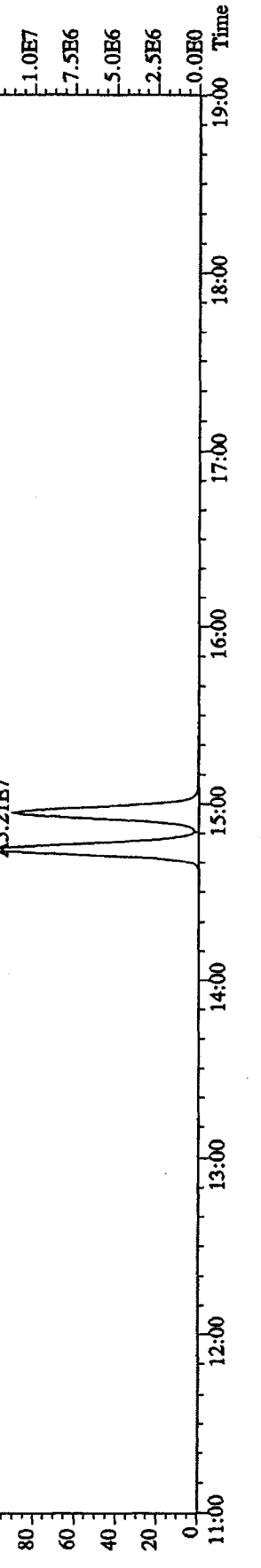
333.9339 S: 17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)

A5.70E7

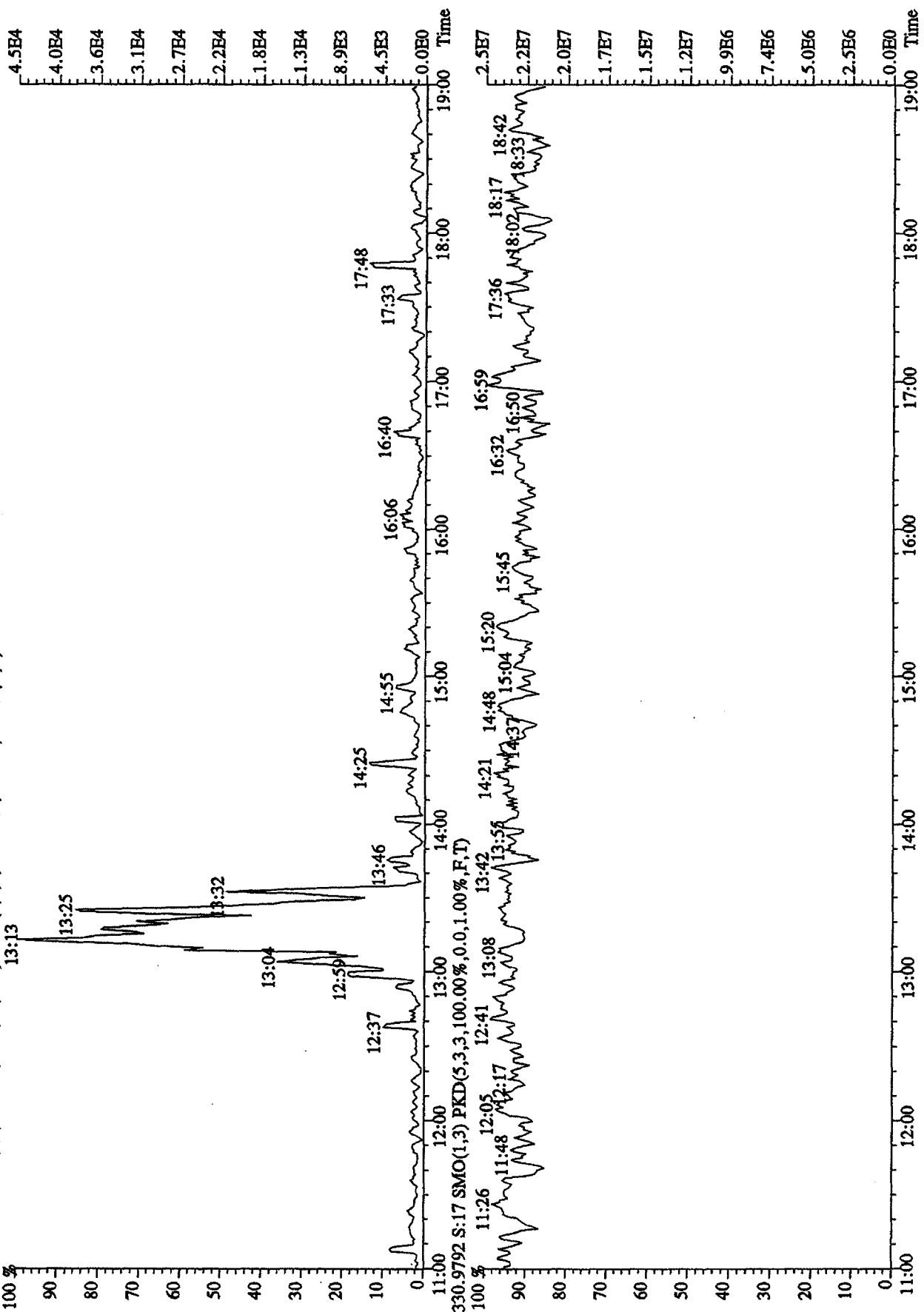


333.9339 S: 17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)

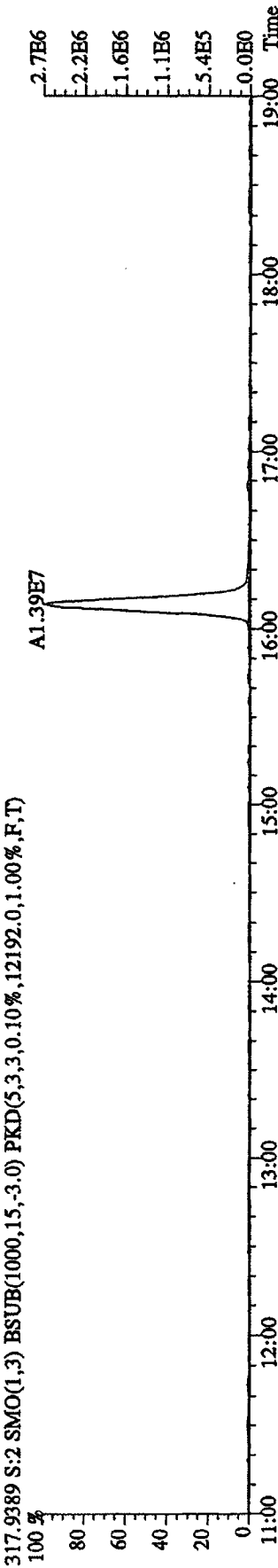
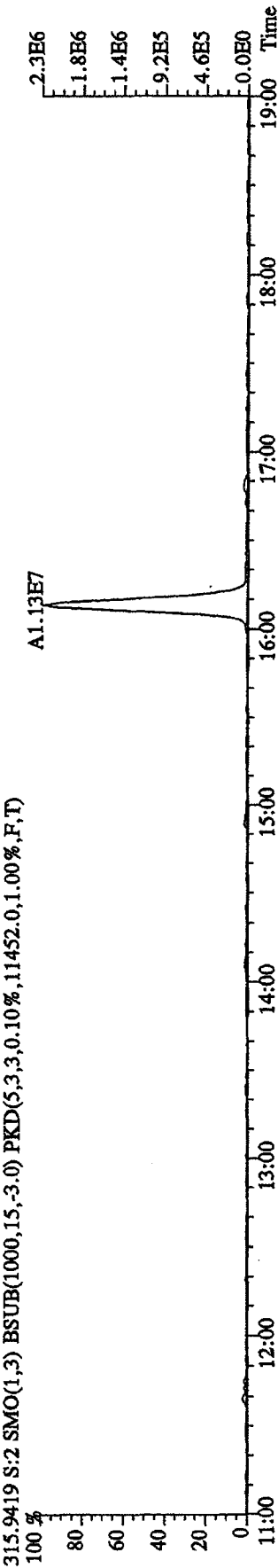
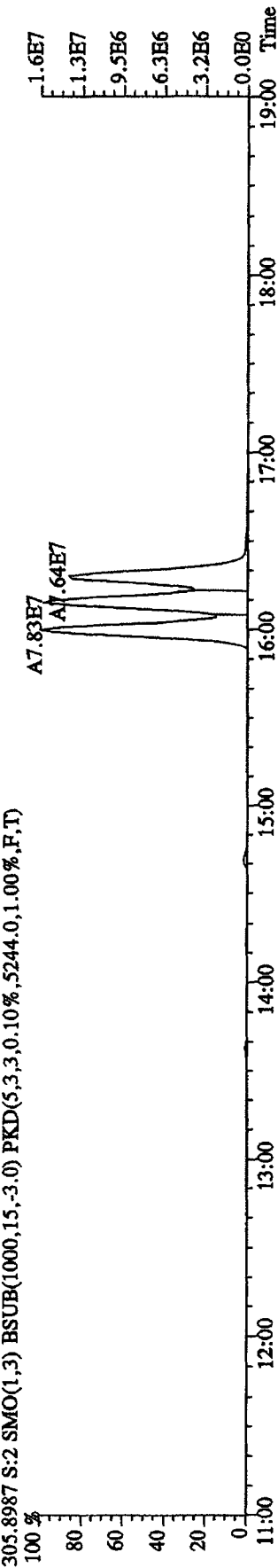
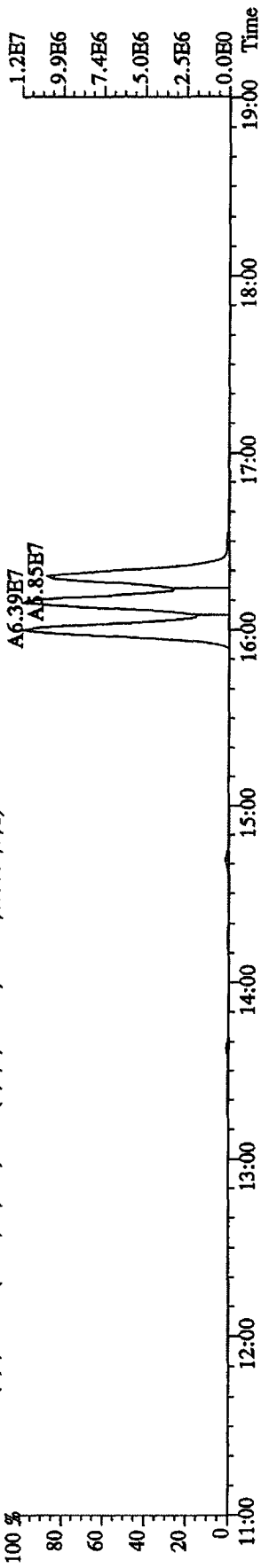
A5.21E7



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)



File: 21API05D2 #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)

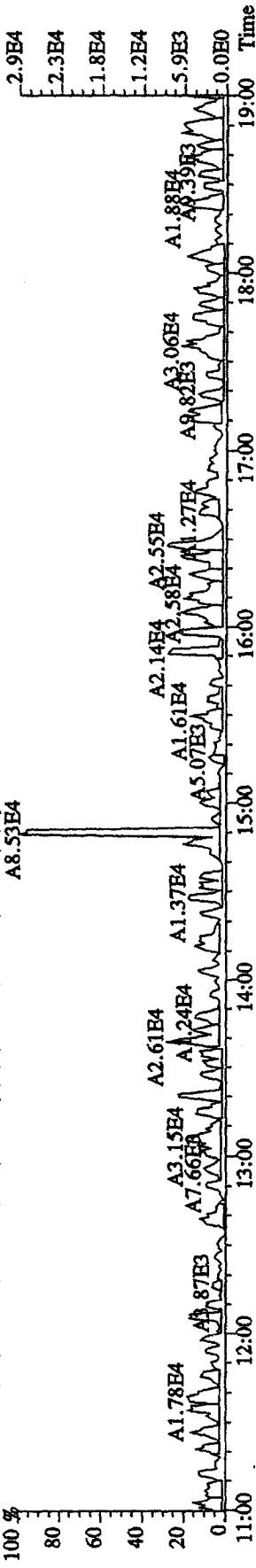


File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC HI+ Voltage SIR 70SE

Sample#2 Text:CP0421 :DB-225 CFSM 3732-06 Exp:DIOXIN

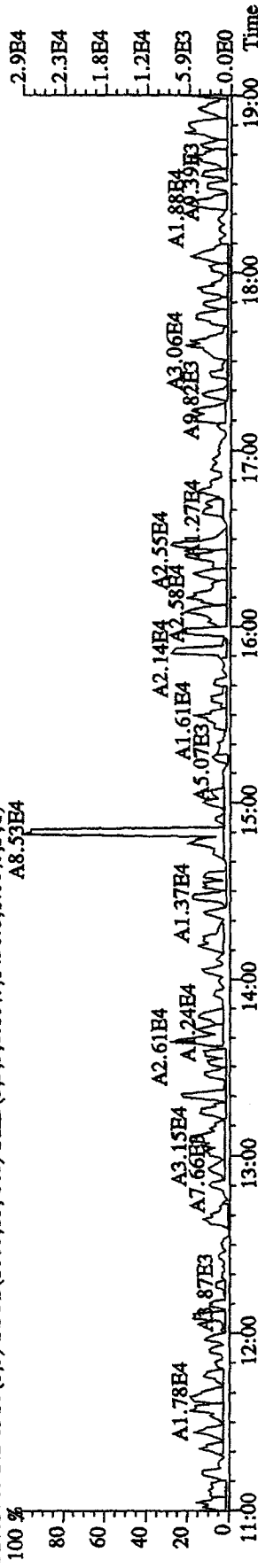
327.8840 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,1456.0,1.00%,F,T)

100% A8.53E4



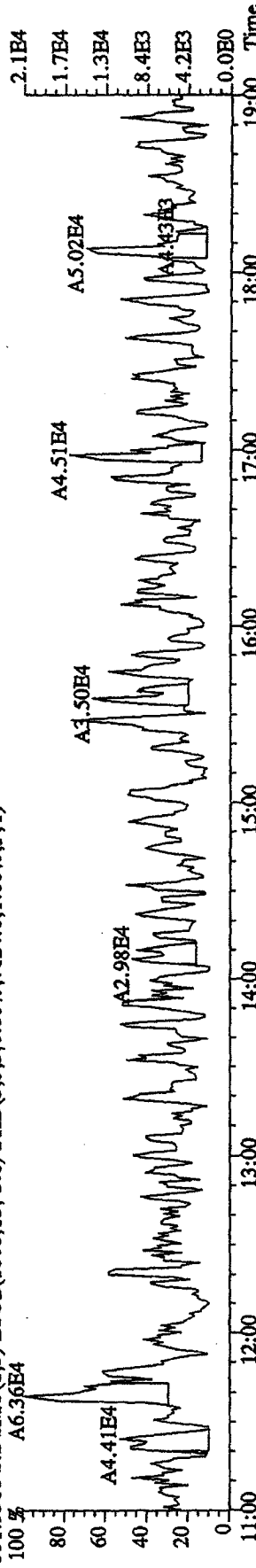
327.8840 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,1456.0,1.00%,F,T)

100% A8.53E4



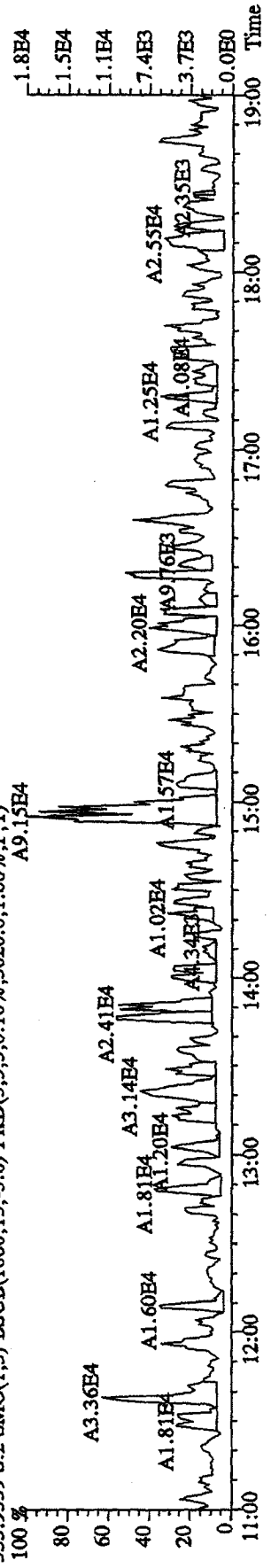
331.9368 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7124.0,1.00%,F,T)

100% A9.15E4

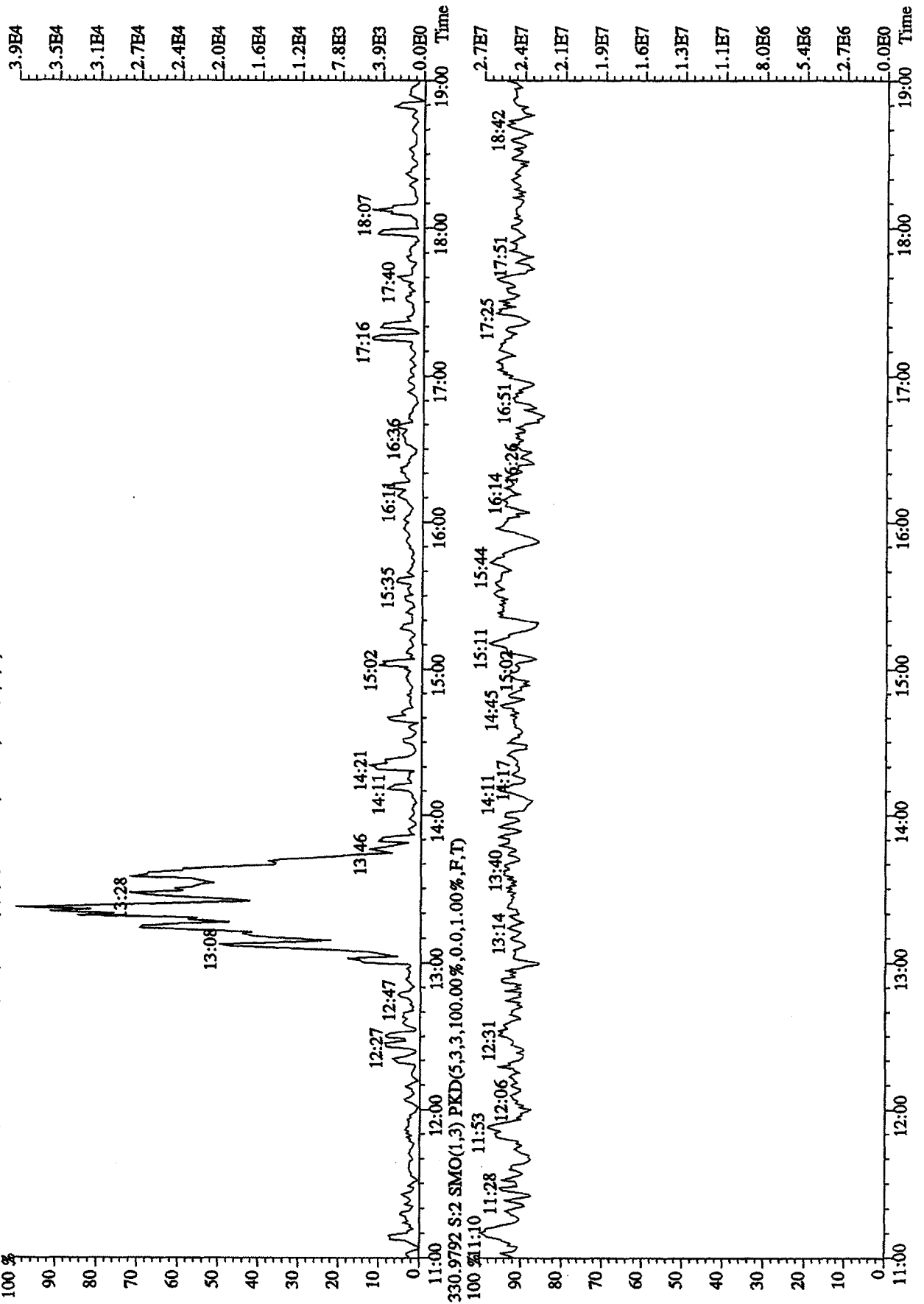


333.9339 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3020.0,1.00%,F,T)

100% A9.15E4



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%,1364.0,1.00%,F,T)



Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290, 1613, T09, 23, 0023A, TETRAC) 1231091D5

Method ID 8290, 1613B, T09, 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~~ ^{AS} 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/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: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

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

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

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
37C1-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

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

Run #1 Filename 31DE09A1D5 S: 2 I: 1
 Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 07:30:47
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231B :CS-1 09DXN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	326815000	0.81 y	18:42	-	100.00	n
13C-2,3,7,8-TCDF	495192000	0.78 y	18:09	1.52	100.00	n
2,3,7,8-TCDF	1909491	0.78 y	18:09	0.77	0.50	n
Total TCDF	-	- n	-	0.77	0.50	n
13C-2,3,7,8-TCDD	305230000	0.80 y	18:53	0.93	100.00	n
2,3,7,8-TCDD	1317770	0.78 y	18:56	0.86	0.50	n
Total TCDD	-	- n	-	0.86	0.50	n
37Cl-2,3,7,8-TCDD	3295720	1.00 y	18:56	2.02	0.50	n
13C-1,2,3,7,8-PeCDF	327775000	1.60 y	23:32	1.00	100.00	n
1,2,3,7,8-PeCDF	6958190	1.59 y	23:34	0.85	2.50	n
2,3,4,7,8-PeCDF	6434690	1.62 y	24:58	0.79	2.50	n
Total F2 PeCDF	-	- n	-	0.82	5.00	n
Total F1 PeCDF	-	- n	-	0.82	5.00	n
13C-1,2,3,7,8-PeCDD	198162800	1.64 y	25:44	0.61	100.00	n
1,2,3,7,8-PeCDD	3904960	1.46 y	25:45	0.79	2.50	n
Total PeCDD	-	- n	-	0.79	2.50	n
13C-1,2,3,7,8,9-HxCDD	246455000	1.30 y	32:51	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	242322300	0.50 y	31:26	0.98	100.00	n
1,2,3,4,7,8-HxCDF	5809990	1.20 y	31:27	0.96	2.50	n
1,2,3,6,7,8-HxCDF	6810920	1.31 y	31:36	1.12	2.50	n
2,3,4,6,7,8-HxCDF	6178250	1.26 y	32:17	1.02	2.50	n
1,2,3,7,8,9-HxCDF	6177790	1.28 y	33:03	1.02	2.50	n
Total HxCDF	-	- n	-	1.03	10.00	n
13C-1,2,3,6,7,8-HxCDD	204409500	1.28 y	32:32	0.83	100.00	n
1,2,3,4,7,8-HxCDD	3765050	1.19 y	32:27	0.74	2.50	n
1,2,3,6,7,8-HxCDD	4473360	1.33 y	32:33	0.88	2.50	n
1,2,3,7,8,9-HxCDD	4685460	1.26 y	32:52	0.92	2.50	n
Total HxCDD	-	- n	-	0.84	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	227457800	0.43 y	34:35	0.92	100.00	n
1,2,3,4,6,7,8-HpCDF	6254400	1.07 y	34:35	1.10	2.50	n
1,2,3,4,7,8,9-HpCDF	5396380	1.04 y	35:53	0.95	2.50	n
Total HpCDF	-	- n	-	1.02	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	196980400	1.10 y	35:31	0.80	100.00	n
1,2,3,4,6,7,8-HpCDD	4184800	0.97 y	35:31	0.85	2.50	n
Total HpCDD	-	- n	-	0.85	2.50	n
13C-OCDD	287999000	0.90 y	38:18	0.58	200.00	n
OCDF	8341240	0.89 y	38:25	1.16	5.00	n

OCDD 6946490 0.88 y 38:19 0.96 5.00 n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80 y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76 y	18:08	0.77	2.00	n
Total TCDF	-	- n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79 y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72 y	18:53	0.77	2.00	n
Total TCDD	-	- n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64 y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66 y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.84	10.00	n
Total F2 PeCDF	-	- n	-	0.87	20.00	n
Total F1 PeCDF	-	- n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64 y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63 y	25:44	0.81	10.00	n
Total PeCDD	-	- n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.19	10.00	n
Total HxCDF	-	- n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	16376990	1.27 y	32:26	0.88	10.00	y
1,2,3,6,7,8-HxCDD	18917800	1.35 y	32:32	1.01	10.00	y
1,2,3,7,8,9-HxCDD	22185210	1.30 y	32:51	1.19	10.00	n
Total HxCDD	-	- n	-	1.02	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43 y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01 y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.00	10.00	n
Total HpCDF	-	- n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09 y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07 y	35:31	0.88	10.00	n
Total HpCDD	-	- n	-	0.88	10.00	n
13C-OCDD	295682000	0.89 y	38:18	0.54	200.00	n
OCDF	38310100	0.87 y	38:25	1.30	20.00	n

OCDD 28999100 0.89 y 38:19 0.98 20.00 n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA	RT	RRF		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 31DE09ALD5 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

Run: 15SE098D2 Analyte: TETRAS Cal: TETRAS1231091D5

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

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5	S2	S3	S4	S5	S6
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					
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					
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74					

Run #1 Filename 31DE09A1D5 S: 2 I: 1
 Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 08:42:13
 Run: 15SE098D2 Analyte: TETRAS Cal: TETRAS1231091D5

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
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
37Cl-2,3,7,8-TCDD	3295720	1.00 y	18:56	2.02	0.50	n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 08:42:14
Run: 15SE098D2 Analyte: TETRAS Cal: TETRAS1231091D5

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
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
37C1-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.82	2.00	n

Run #3 Filename 31DE09A1D5 S: 4 I: 1
Acquired: 1-JAN-10 01:32:44 Processed: 4-JAN-10 08:42:14
Run: 15SE098D2 Analyte: TETRAS Cal: TETRAS1231091D5

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
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
37C1-2,3,7,8-TCDD	67170000	1.00 y	18:53	2.18	10.00	n

Run #4 Filename 31DE09A1D5 S: 5 I: 1
Acquired: 1-JAN-10 02:14:32 Processed: 4-JAN-10 08:42:15
Run: 15SE098D2 Analyte: TETRAS Cal: TETRAS1231091D5

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
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
37Cl-2,3,7,8-TCDD	335352000	1.00 y	18:53	2.33	40.00	n

Run #5 Filename 31DE09A1D5 S: 6 I: 1
Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 08:42:15
Run: 15SE098D2 Analyte: TETRAS Cal: TETRAS1231091D5
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
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
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.74	200.00	n

Run: 15SE098D2 Analyte: 23 Cal: 231231091D5

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

Name	Mean	S. D.	%RSD	31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5					
				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 Tetra-Furans	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 Tetra-Dioxins	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07	
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 Penta-Furans	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08	
Total F1 Penta-Furans	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 Penta-Dioxins	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-1,2,3,6,7,8-HxCDF	1.143	0.104	9.11 %	1.25	1.15	1.20	0.97	1.16	
1,2,3,4,7,8-HxCDF	0.937	0.140	14.9 %	0.76	0.82	0.99	1.04	1.07	
1,2,3,6,7,8-HxCDF	1.071	0.128	12.0 %	0.89	0.99	1.11	1.18	1.18	
2,3,4,6,7,8-HxCDF	0.971	0.127	13.1 %	0.80	0.88	1.00	1.07	1.11	
1,2,3,7,8,9-HxCDF	1.036	0.175	16.9 %	0.80	0.91	1.08	1.23	1.15	
Total Hexa-Furans	1.004	0.141	14.1 %	0.81	0.90	1.04	1.13	1.13	
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 Hexa-Dioxins	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 Hepta-Furans	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 Hepta-Dioxins	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
37Cl-2,3,7,8-TCDD	2.224	0.195	8.75	%	2.16	1.96	2.16	2.39	2.44
13C-2,3,4,7,8-PeCDF	0.962	0.012	1.29	%	0.98	0.96	0.96	0.95	0.96
13C-1,2,3,4,7,8-HxCDF	0.781	0.024	3.06	%	0.79	0.76	0.75	0.79	0.81
13C-1,2,3,4,7,8-HxCDD	1.003	0.070	6.95	%	0.91	1.08	0.95	1.04	1.03
13C-1,2,3,4,7,8,9-HpCDF	0.892	0.010	1.11	%	0.89	0.89	0.90	0.88	0.90

Run #1 Filename 31DE09A1D5 S: 2 I: 1
 Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 08:43:48
 Run: 15SE098D2 Analyte: 23 Cal: 231231091D5

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 Tetra-Furans	-	- n	-	0.77	0.00 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 Tetra-Dioxins	-	- n	-	0.86	0.00 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 Penta-Furans	-	- n	-	0.82	0.00 n
Total F1 Penta-Furans	-	- n	-	0.82	0.00 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 Penta-Dioxins	-	- n	-	0.79	0.00 n
13C-1,2,3,7,8,9-HxCDD	246455000	1.30 y	32:51	-	100.00 n
13C-1,2,3,6,7,8-HxCDF	307099000	0.53 y	31:35	1.25	100.00 n
1,2,3,4,7,8-HxCDF	5809990	1.20 y	31:27	0.76	2.50 n
1,2,3,6,7,8-HxCDF	6810920	1.31 y	31:36	0.89	2.50 n
2,3,4,6,7,8-HxCDF	6178250	1.26 y	32:17	0.80	2.50 n
1,2,3,7,8,9-HxCDF	6177790	1.28 y	33:03	0.80	2.50 n
Total Hexa-Furans	-	- n	-	0.81	0.00 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 Hexa-Dioxins	-	- n	-	0.84	0.00 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 Hepta-Furans	-	- n	-	1.02	0.00 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 Hepta-Dioxins	-	- n	-	0.85	0.00 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
37Cl-2,3,7,8-TCDD	3295720	1.00 y	18:56	2.16	0.50 n
13C-2,3,4,7,8-PeCDF	321500000	1.63 y	24:57	0.98	100.00 n

13C-1,2,3,4,7,8-HxCDF	242322300	0.50	y	31:26	0.79	100.00	n
13C-1,2,3,4,7,8-HxCDD	186730100	1.28	y	32:26	0.91	100.00	n
13C-1,2,3,4,7,8,9-HpCDF	201760500	0.44	y	35:52	0.89	100.00	n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 08:43:49
 Run: 15SE098D2 Analyte: 23 Cal: 231231091D5

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 Tetra-Furans	-	- n	-	0.77	0.00	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 Tetra-Dioxins	-	- n	-	0.77	0.00	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 Penta-Furans	-	- n	-	0.87	0.00	n
Total F1 Penta-Furans	-	- n	-	0.87	0.00	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 Penta-Dioxins	-	- n	-	0.81	0.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	311396000	0.52 y	31:34	1.15	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	0.82	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	0.99	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	0.88	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	0.91	10.00	n
Total Hexa-Furans	-	- n	-	0.90	0.00	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 Hexa-Dioxins	-	- n	-	1.02	0.00	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 Hepta-Furans	-	- n	-	1.09	0.00	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 Hepta-Dioxins	-	- n	-	0.88	0.00	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
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.96	2.00	n
13C-2,3,4,7,8-PeCDF	318970000	1.66 y	24:55	0.96	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.76	100.00	n
13C-1,2,3,4,7,8-HxCDD	202852200	1.25 y	32:26	1.08	100.00	n

13C-1,2,3,4,7,8,9-HpCDF 204359800 0.43 y 35:52 0.89 100.00 n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 08:43:49
 Run: 15SE098D2 Analyte: 23 Cal: 231231091D5

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 Tetra-Furans	-	- n	-	0.77	0.00	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 Tetra-Dioxins	-	- n	-	0.77	0.00	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 Penta-Furans	-	- n	-	0.87	0.00	n
Total F1 Penta-Furans	-	- n	-	0.87	0.00	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 Penta-Dioxins	-	- n	-	0.81	0.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	311396000	0.52 y	31:34	1.15	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	0.82	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	0.99	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	0.88	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	0.91	10.00	n
Total Hexa-Furans	-	- n	-	0.90	0.00	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 Hexa-Dioxins	-	- n	-	1.00	0.00	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 Hepta-Furans	-	- n	-	1.09	0.00	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 Hepta-Dioxins	-	- n	-	0.88	0.00	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
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.96	2.00	n
13C-2,3,4,7,8-PeCDF	318970000	1.66 y	24:55	0.96	100.00	n

13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.76	100.00	n
13C-1,2,3,4,7,8-HxCDD	202852200	1.25 y	32:26	1.08	100.00	n
13C-1,2,3,4,7,8,9-HpCDF	204359800	0.43 y	35:52	0.89	100.00	n

Run #3 Filename 31DE09A1D5 S: 4 I: 1
 Acquired: 1-JAN-10 01:32:44 Processed: 4-JAN-10 08:43:50
 Run: 15SE098D2 Analyte: 23 Cal: 231231091D5

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 Tetra-Furans	-	- n	-	0.87	0.00	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 Tetra-Dioxins	-	- n	-	0.95	0.00	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 Penta-Furans	-	- n	-	1.01	0.00	n
Total F1 Penta-Furans	-	- n	-	1.01	0.00	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 Penta-Dioxins	-	- n	-	0.94	0.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28 y	32:49	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	315952000	0.51 y	31:33	1.20	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25 y	31:26	0.99	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25 y	31:35	1.11	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29 y	32:16	1.00	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26 y	33:02	1.08	50.00	n
Total Hexa-Furans	-	- n	-	1.04	0.00	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 Hexa-Dioxins	-	- n	-	1.14	0.00	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 Hepta-Furans	-	- n	-	1.27	0.00	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 Hepta-Dioxins	-	- n	-	1.05	0.00	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
37Cl-2,3,7,8-TCDD	67170000	1.00 y	18:53	2.16	10.00	n
13C-2,3,4,7,8-PeCDF	321956000	1.61 y	24:56	0.96	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51 y	31:25	0.75	100.00	n
13C-1,2,3,4,7,8-HxCDD	188994900	1.28 y	32:25	0.95	100.00	n

13C-1,2,3,4,7,8,9-HpCDF 209116200 0.43 y 35:51 0.90 100.00 n

Run #4 Filename 31DE09A1D5 S: 5 I: 1
 Acquired: 1-JAN-10 02:14:32 Processed: 4-JAN-10 08:43:51
 Run: 15SE098D2 Analyte: 23 Cal: 231231091D5

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 Tetra-Furans	-	- n	-	0.91	0.00	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 Tetra-Dioxins	-	- n	-	1.01	0.00	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 Penta-Furans	-	- n	-	1.08	0.00	n
Total F1 Penta-Furans	-	- n	-	1.08	0.00	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 Penta-Dioxins	-	- n	-	1.04	0.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	348528000	0.52 y	31:34	0.97	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26 y	31:26	1.04	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27 y	31:35	1.18	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26 y	32:16	1.07	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26 y	33:02	1.23	200.00	n
Total Hexa-Furans	-	- n	-	1.13	0.00	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 Hexa-Dioxins	-	- n	-	1.30	0.00	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 Hepta-Furans	-	- n	-	1.34	0.00	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 Hepta-Dioxins	-	- n	-	1.10	0.00	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
37Cl-2,3,7,8-TCDD	335352000	1.00 y	18:53	2.39	40.00	n
13C-2,3,4,7,8-PeCDF	349484000	1.62 y	24:55	0.95	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51 y	31:25	0.79	100.00	n
13C-1,2,3,4,7,8-HxCDD	228246000	1.27 y	32:26	1.04	100.00	n

13C-1,2,3,4,7,8,9-HpCDF 244878200 0.44 y 35:52 0.88 100.00 n

Run #5 Filename 31DE09A1D5 S: 6 I: 1
 Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 08:43:52
 Run: 15SE098D2 Analyte: 23 Cal: 231231091D5

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 Tetra-Furans	-	- n	-	0.98	0.00	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 Tetra-Dioxins	-	- n	-	1.07	0.00	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 Penta-Furans	-	- n	-	1.08	0.00	n
Total F1 Penta-Furans	-	- n	-	1.08	0.00	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 Penta-Dioxins	-	- n	-	1.06	0.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	266248000	0.52 y	31:34	1.16	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24 y	31:27	1.07	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.18	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.11	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.15	1000.00	n
Total Hexa-Furans	-	- n	-	1.13	0.00	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 Hexa-Dioxins	-	- n	-	1.21	0.00	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 Hepta-Furans	-	- n	-	1.33	0.00	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 Hepta-Dioxins	-	- n	-	1.10	0.00	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
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.44	200.00	n
13C-2,3,4,7,8-PeCDF	272557000	1.61 y	24:55	0.96	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51 y	31:25	0.81	100.00	n
13C-1,2,3,4,7,8-HxCDD	183663000	1.28 y	32:26	1.03	100.00	n

13C-1,2,3,4,7,8,9-HpCDF 182546900 0.44 y 35:52 0.90 100.00 n

Run: 15SE098D2 Analyte: 0023A Cal: 0023A1231091D5

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	S2	RRF1	S3	RRF2	S4	RRF3	S5	RRF4	S6	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.48	1.64	1.53	1.66	1.66	1.66	1.66	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.77	0.87	0.91	0.98	0.98	0.98	0.98	0.98
Total Tetra-Furans	0.860	0.090	10.4 %	0.77	0.77	0.77	0.87	0.91	0.98	0.98	0.98	0.98	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	0.93	1.01	0.97	1.12	1.12	1.12	1.12	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.77	0.95	1.01	1.07	1.07	1.07	1.07	1.07
Total Tetra-Dioxins	0.934	0.120	12.9 %	0.86	0.77	0.77	0.95	1.01	1.07	1.07	1.07	1.07	1.07
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	0.98	1.09	1.03	1.26	1.26	1.26	1.26	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	0.90	1.04	1.10	1.11	1.11	1.11	1.11	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.84	0.97	1.05	1.05	1.05	1.05	1.05	1.05
Total P2 Penta-Furans	0.969	0.120	12.4 %	0.82	0.87	0.87	1.01	1.08	1.08	1.08	1.08	1.08	1.08
Total P1 Penta-Furans	0.969	0.120	12.4 %	0.82	0.87	0.87	1.01	1.08	1.08	1.08	1.08	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.59	0.67	0.67	0.80	0.80	0.80	0.80	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.81	0.94	1.04	1.06	1.06	1.06	1.06	1.06
Total Penta-Dioxins	0.929	0.127	13.7 %	0.79	0.81	0.81	0.94	1.04	1.06	1.06	1.06	1.06	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-	-	-	-	-	-
13C-1,2,3,6,7,8-HxCDF	1.143	0.104	9.11 %	1.25	1.15	1.15	1.20	0.97	1.16	1.16	1.16	1.16	1.16
1,2,3,4,7,8-HxCDF	0.937	0.140	14.9 %	0.76	0.82	0.82	0.99	1.04	1.07	1.07	1.07	1.07	1.07
1,2,3,6,7,8-HxCDF	1.071	0.128	12.0 %	0.89	0.99	0.99	1.11	1.18	1.18	1.18	1.18	1.18	1.18
2,3,4,6,7,8-HxCDF	0.971	0.127	13.1 %	0.80	0.88	0.88	1.00	1.07	1.11	1.11	1.11	1.11	1.11
1,2,3,7,8,9-HxCDF	1.036	0.175	16.9 %	0.80	0.91	0.91	1.08	1.23	1.15	1.15	1.15	1.15	1.15
Total Hexa-Furans	1.004	0.141	14.1 %	0.81	0.90	0.90	1.04	1.13	1.13	1.13	1.13	1.13	1.13
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.69	0.75	0.61	0.78	0.78	0.78	0.78	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.88	0.98	1.15	1.11	1.11	1.11	1.11	1.11
1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.01	1.09	1.16	1.15	1.15	1.15	1.15	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.19	1.33	1.57	1.37	1.37	1.37	1.37	1.37
Total Hexa-Dioxins	1.101	0.175	15.9 %	0.84	1.02	1.02	1.14	1.30	1.21	1.21	1.21	1.21	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 Hepta-Furans	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 Hepta-Dioxins	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
37Cl-2,3,7,8-TCDD	2.224	0.195	8.75 %	2.16	1.96	2.16	2.39	2.44
13C-2,3,4,7,8-PeCDF	0.962	0.012	1.29 %	0.98	0.96	0.96	0.95	0.96
13C-1,2,3,4,7,8-HxCDF	0.781	0.024	3.06 %	0.79	0.76	0.75	0.79	0.81
13C-1,2,3,4,7,8-HxCDD	1.003	0.070	6.95 %	0.91	1.08	0.95	1.04	1.03
13C-1,2,3,4,7,8,9-HpCDF	0.892	0.010	1.11 %	0.89	0.89	0.90	0.88	0.90

Run #1 Filename 31DE09A1D5 S: 2 I: 1
 Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 08:44:51
 Run: 15SE098D2 Analyte: 0023A Cal: 0023A1231091D5

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 Tetra-Furans	-	- n	-	0.77	0.00	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 Tetra-Dioxins	-	- n	-	0.86	0.00	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 Penta-Furans	-	- n	-	0.82	0.00	n
Total F1 Penta-Furans	-	- n	-	0.82	0.00	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 Penta-Dioxins	-	- n	-	0.79	0.00	n
13C-1,2,3,7,8,9-HxCDD	246455000	1.30 y	32:51	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	307099000	0.53 y	31:35	1.25	100.00	n
1,2,3,4,7,8-HxCDF	5809990	1.20 y	31:27	0.76	2.50	n
1,2,3,6,7,8-HxCDF	6810920	1.31 y	31:36	0.89	2.50	n
2,3,4,6,7,8-HxCDF	6178250	1.26 y	32:17	0.80	2.50	n
1,2,3,7,8,9-HxCDF	6177790	1.28 y	33:03	0.80	2.50	n
Total Hexa-Furans	-	- n	-	0.81	0.00	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 Hexa-Dioxins	-	- n	-	0.84	0.00	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 Hepta-Furans	-	- n	-	1.02	0.00	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 Hepta-Dioxins	-	- n	-	0.85	0.00	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
37Cl-2,3,7,8-TCDD	3295720	1.00 y	18:56	2.16	0.50	n
13C-2,3,4,7,8-PeCDF	321500000	1.63 y	24:57	0.98	100.00	n

13C-1,2,3,4,7,8-HxCDF	242322300	0.50	y	31:26	0.79	100.00	n
13C-1,2,3,4,7,8-HxCDD	186730100	1.28	y	32:26	0.91	100.00	n
13C-1,2,3,4,7,8,9-HpCDF	201760500	0.44	y	35:52	0.89	100.00	n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 08:44:52
 Run: 15SE098D2 Analyte: 0023A Cal: 0023A1231091D5

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 Tetra-Furans	-	- n	-	0.77	0.00	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 Tetra-Dioxins	-	- n	-	0.77	0.00	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 Penta-Furans	-	- n	-	0.87	0.00	n
Total F1 Penta-Furans	-	- n	-	0.87	0.00	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 Penta-Dioxins	-	- n	-	0.81	0.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	311396000	0.52 y	31:34	1.15	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	0.82	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	0.99	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	0.88	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	0.91	10.00	n
Total Hexa-Furans	-	- n	-	0.90	0.00	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 Hexa-Dioxins	-	- n	-	1.02	0.00	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 Hepta-Furans	-	- n	-	1.09	0.00	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 Hepta-Dioxins	-	- n	-	0.88	0.00	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
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.96	2.00	n
13C-2,3,4,7,8-PeCDF	318970000	1.66 y	24:55	0.96	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.76	100.00	n
13C-1,2,3,4,7,8-HxCDD	202852200	1.25 y	32:26	1.08	100.00	n

13C-1,2,3,4,7,8,9-HpCDF 204359800 0.43 y 35:52 0.89 100.00 n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 08:44:52
 Run: 15SE098D2 Analyte: 0023A Cal: 0023A1231091D5

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 Tetra-Furans	-	- n	-	0.77	0.00	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 Tetra-Dioxins	-	- n	-	0.77	0.00	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 Penta-Furans	-	- n	-	0.87	0.00	n
Total F1 Penta-Furans	-	- n	-	0.87	0.00	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 Penta-Dioxins	-	- n	-	0.81	0.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	311396000	0.52 y	31:34	1.15	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	0.82	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	0.99	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	0.88	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	0.91	10.00	n
Total Hexa-Furans	-	- n	-	0.90	0.00	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 Hexa-Dioxins	-	- n	-	1.00	0.00	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 Hepta-Furans	-	- n	-	1.09	0.00	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 Hepta-Dioxins	-	- n	-	0.88	0.00	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
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.96	2.00	n
13C-2,3,4,7,8-PeCDF	318970000	1.66 y	24:55	0.96	100.00	n

13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.76	100.00	n
13C-1,2,3,4,7,8-HxCDD	202852200	1.25 y	32:26	1.08	100.00	n
13C-1,2,3,4,7,8,9-HpCDF	204359800	0.43 y	35:52	0.89	100.00	n

Run #3 Filename 31DE09A1D5 S: 4 I: 1
 Acquired: 1-JAN-10 01:32:44 Processed: 4-JAN-10 08:44:53
 Run: 15SE098D2 Analyte: 0023A Cal: 0023A1231091D5

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 Tetra-Furans	-	- n	-	0.87	0.00	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 Tetra-Dioxins	-	- n	-	0.95	0.00	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 Penta-Furans	-	- n	-	1.01	0.00	n
Total F1 Penta-Furans	-	- n	-	1.01	0.00	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 Penta-Dioxins	-	- n	-	0.94	0.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28 y	32:49	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	315952000	0.51 y	31:33	1.20	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25 y	31:26	0.99	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25 y	31:35	1.11	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29 y	32:16	1.00	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26 y	33:02	1.08	50.00	n
Total Hexa-Furans	-	- n	-	1.04	0.00	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 Hexa-Dioxins	-	- n	-	1.14	0.00	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 Hepta-Furans	-	- n	-	1.27	0.00	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 Hepta-Dioxins	-	- n	-	1.05	0.00	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
37C1-2,3,7,8-TCDD	67170000	1.00 y	18:53	2.16	10.00	n
13C-2,3,4,7,8-PeCDF	321956000	1.61 y	24:56	0.96	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51 y	31:25	0.75	100.00	n
13C-1,2,3,4,7,8-HxCDD	188994900	1.28 y	32:25	0.95	100.00	n

13C-1,2,3,4,7,8,9-HpCDF 209116200 0.43 y 35:51 0.90 100.00 n

Run #4 Filename 31DE09A1D5 S: 5 I: 1
 Acquired: 1-JAN-10 02:14:32 Processed: 4-JAN-10 08:44:54
 Run: 15SE098D2 Analyte: 0023A Cal: 0023A1231091D5

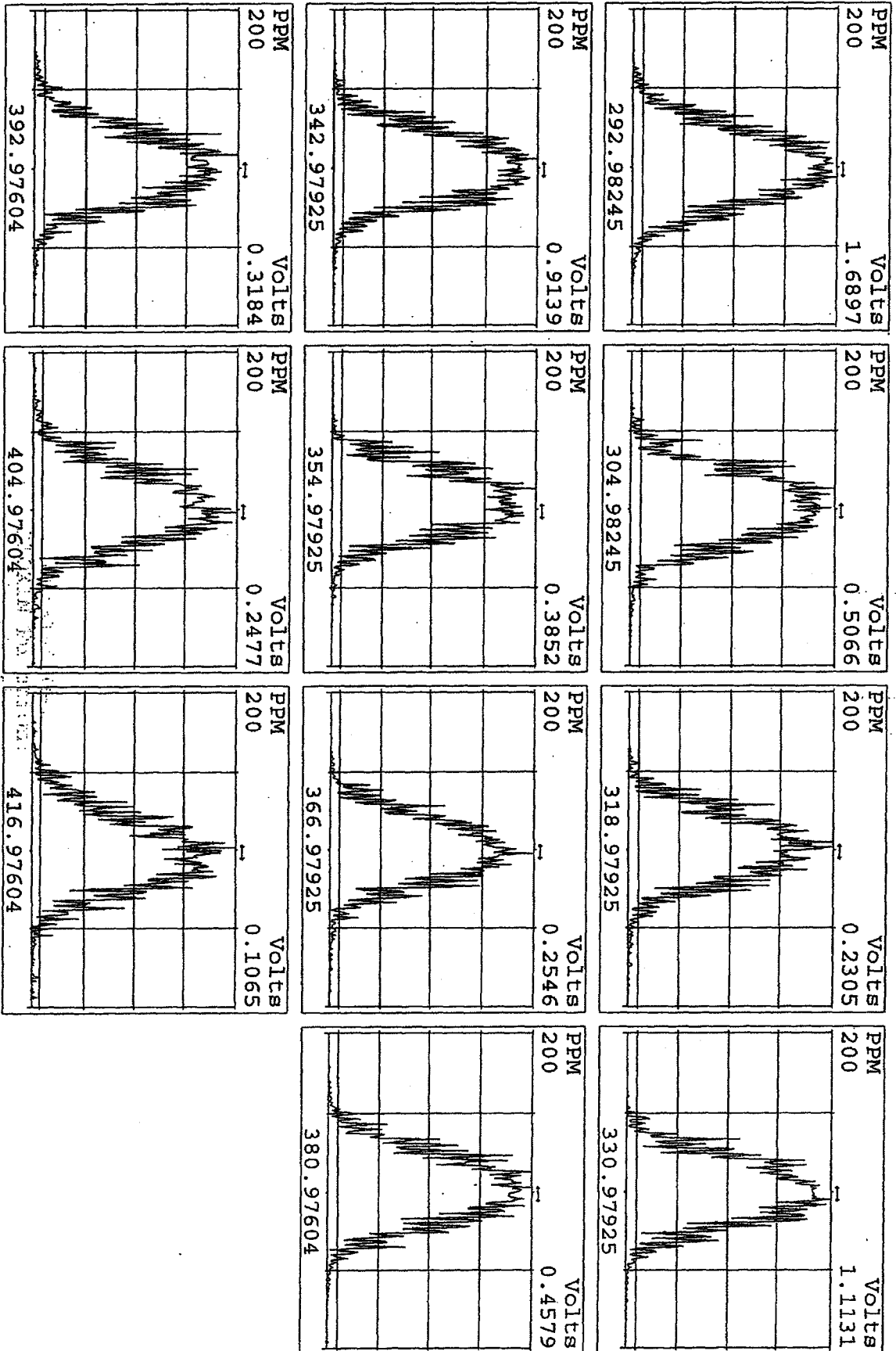
Comments:

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 Tetra-Furans	-	- n	-	0.91	0.00	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 Tetra-Dioxins	-	- n	-	1.01	0.00	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 Penta-Furans	-	- n	-	1.08	0.00	n
Total F1 Penta-Furans	-	- n	-	1.08	0.00	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 Penta-Dioxins	-	- n	-	1.04	0.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	348528000	0.52 y	31:34	0.97	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26 y	31:26	1.04	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27 y	31:35	1.18	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26 y	32:16	1.07	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26 y	33:02	1.23	200.00	n
Total Hexa-Furans	-	- n	-	1.13	0.00	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 Hexa-Dioxins	-	- n	-	1.30	0.00	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 Hepta-Furans	-	- n	-	1.34	0.00	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 Hepta-Dioxins	-	- n	-	1.10	0.00	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
37Cl-2,3,7,8-TCDD	335352000	1.00 y	18:53	2.39	40.00	n
13C-2,3,4,7,8-PeCDF	349484000	1.62 y	24:55	0.95	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51 y	31:25	0.79	100.00	n
13C-1,2,3,4,7,8-HxCDD	228246000	1.27 y	32:26	1.04	100.00	n

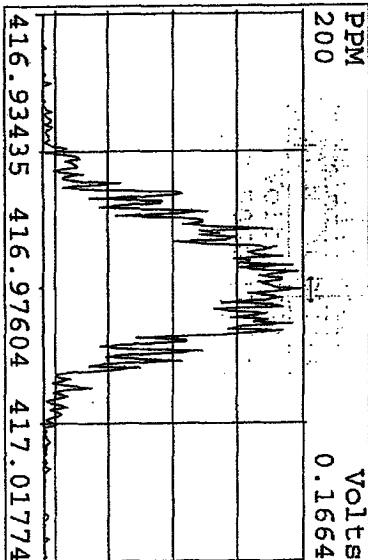
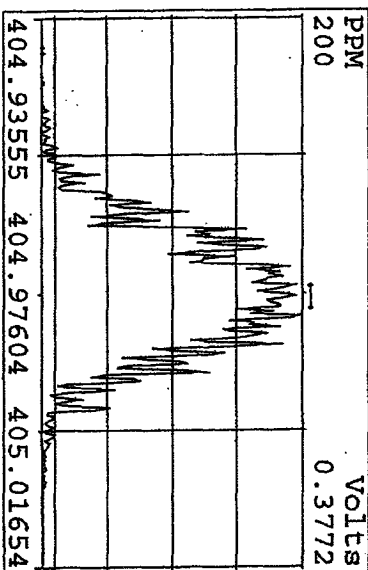
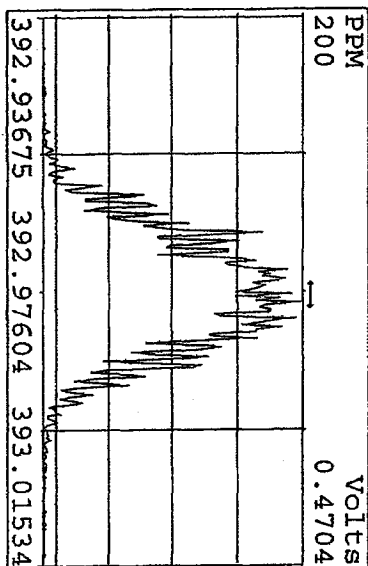
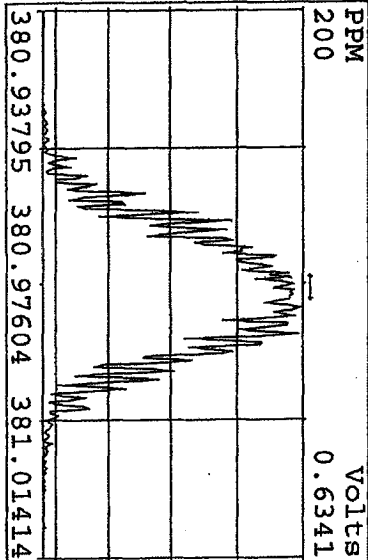
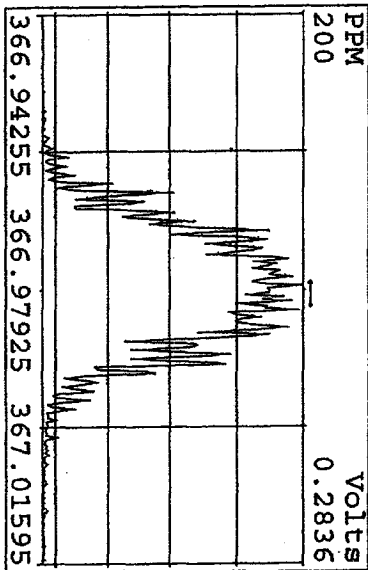
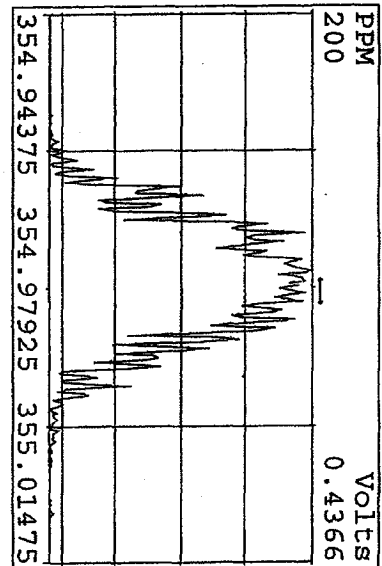
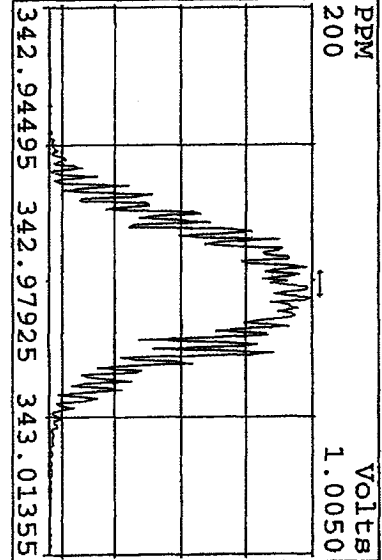
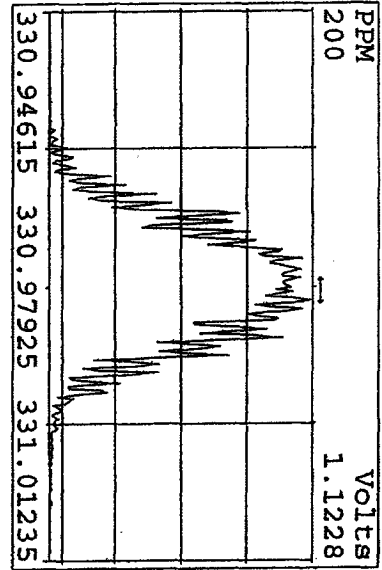
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31DE09A1D5	4	ST1231D	CS-3 09DXN425				1.000	
31DE09A1D5	5	ST1231E	CS-4 09DXN426				1.000	
31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
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31DE09A1D5	14						1.000	
31DE09A1D5	15		AM 12-31-09				1.000	
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Peak Locate Examination:31-DEC-2009:23:19 File:31DE09A1DS
Experiment:DIOXIN Function:1 Reference:PK

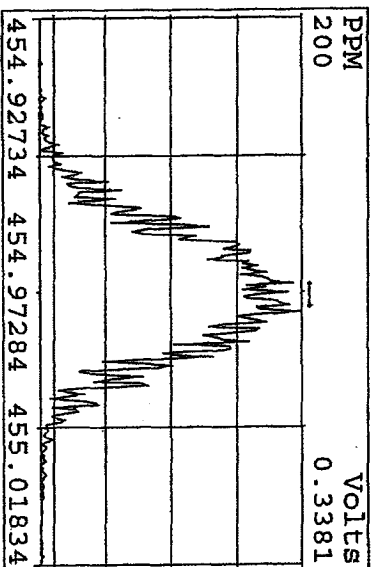
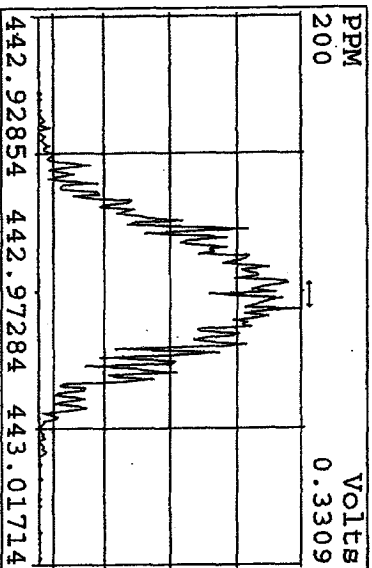
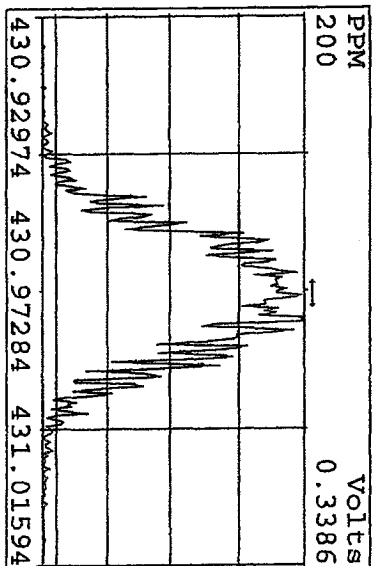
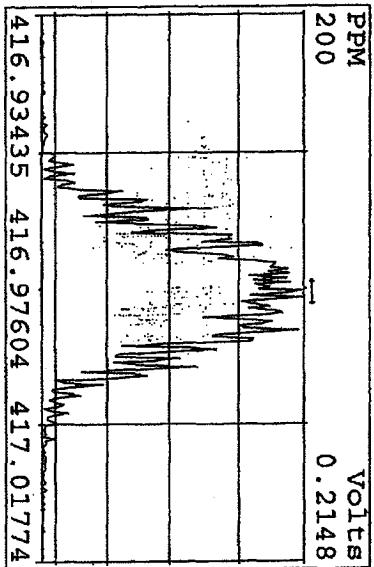
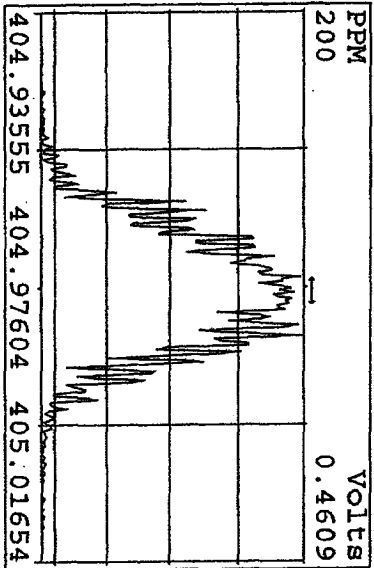
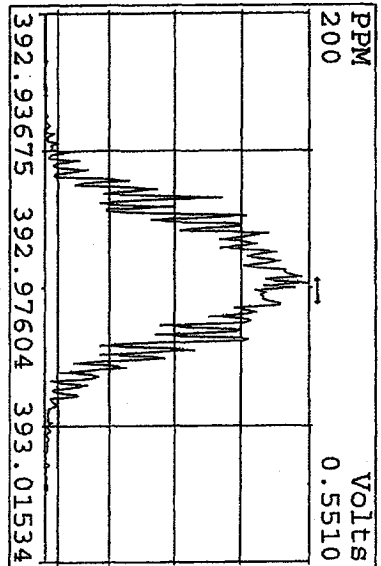
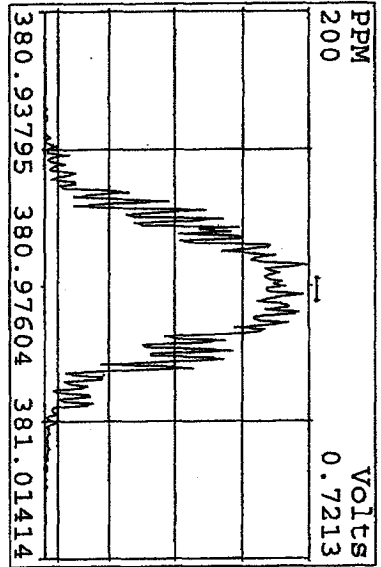
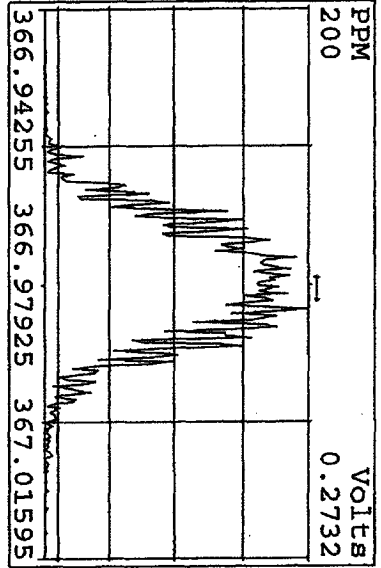


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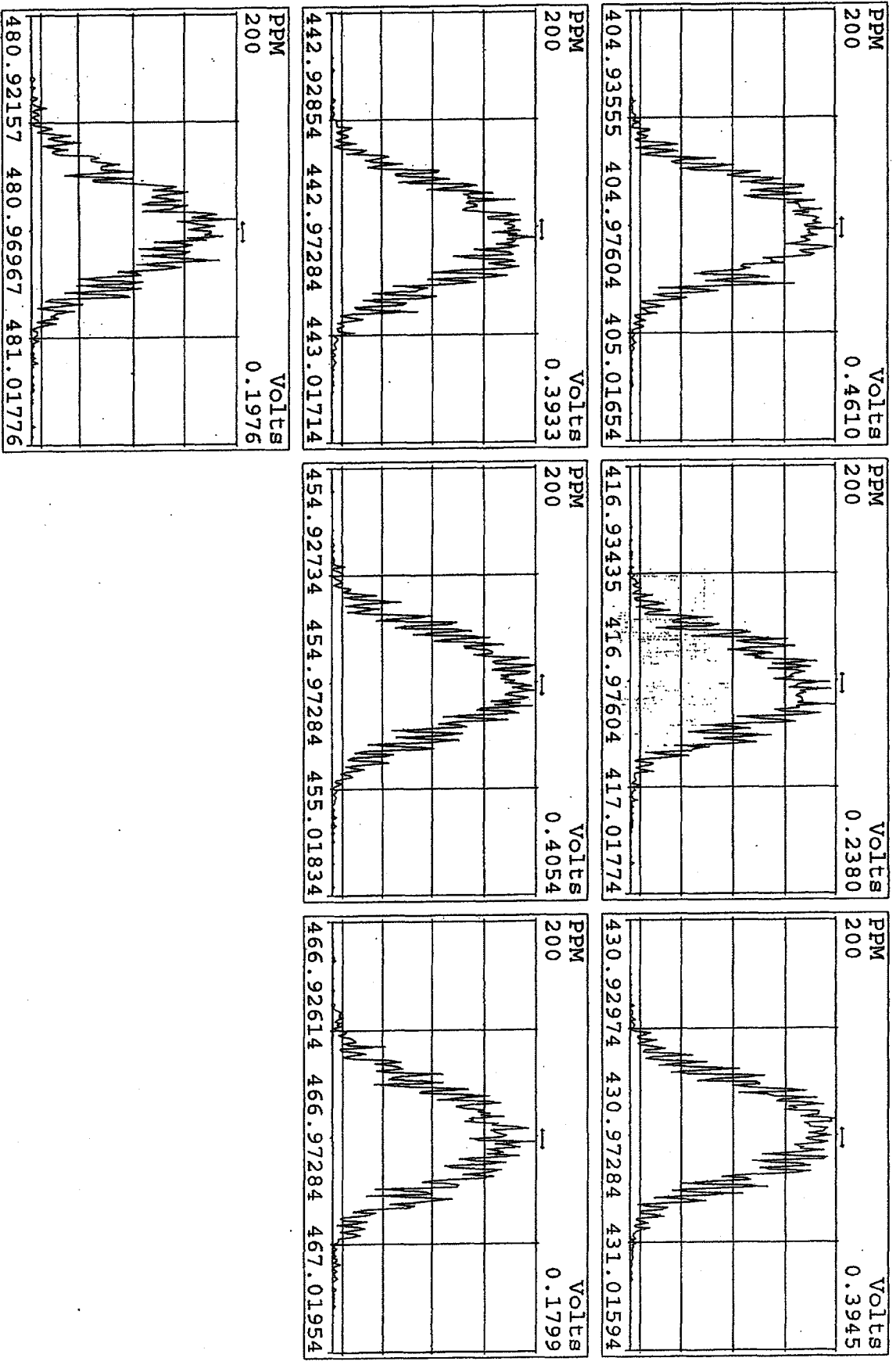
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 Experiment:DIOXIN Function:2 Reference:PFK



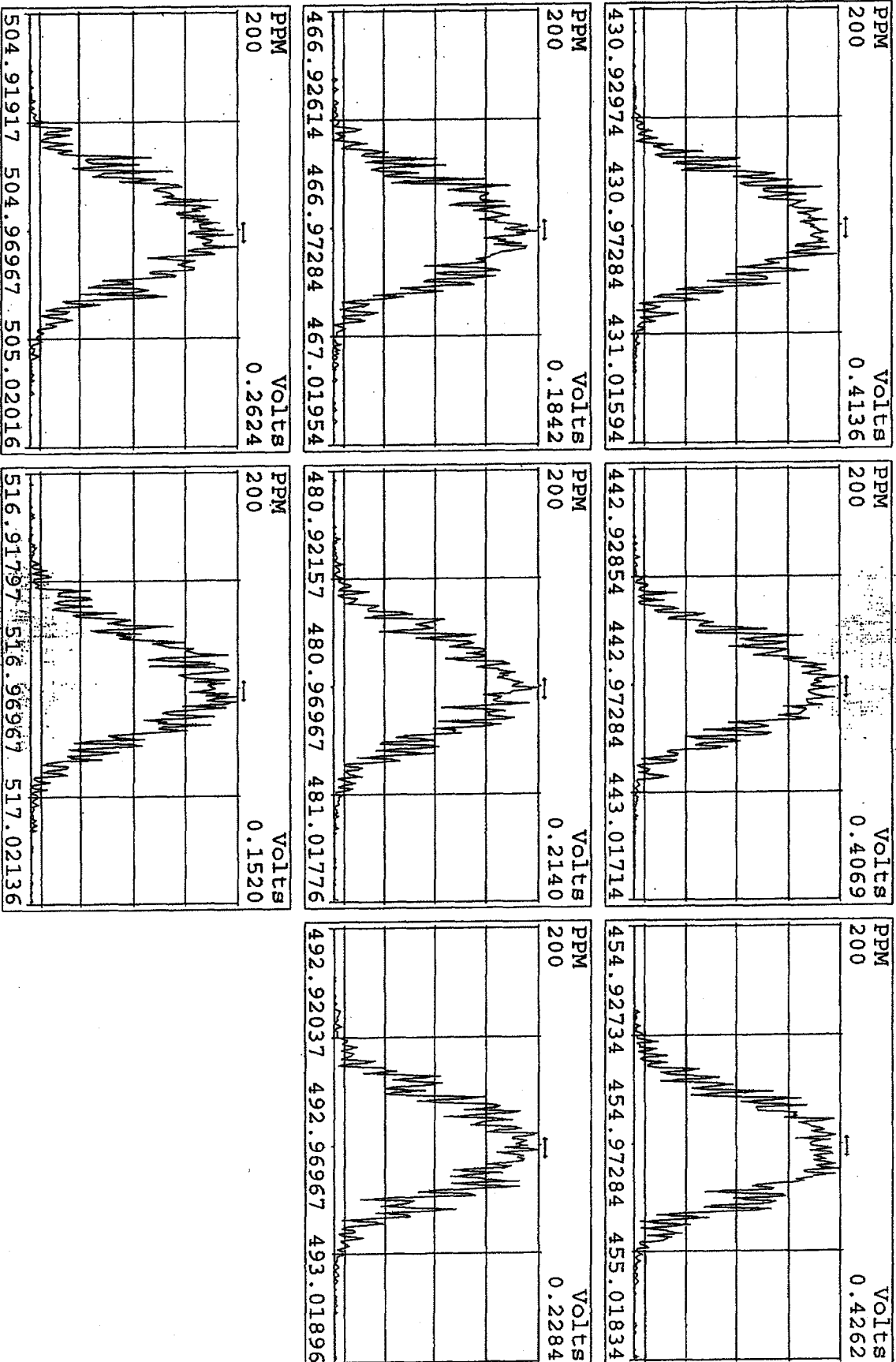
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 Experiment:DIOXIN Function:3 Reference:PFK



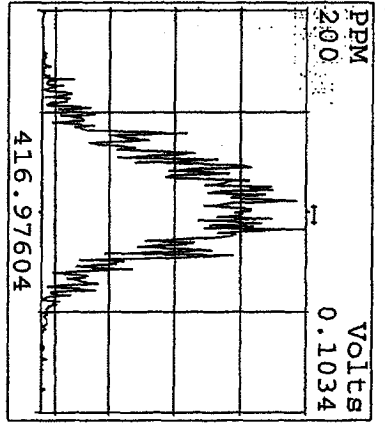
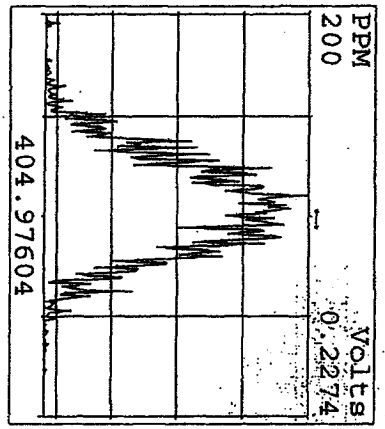
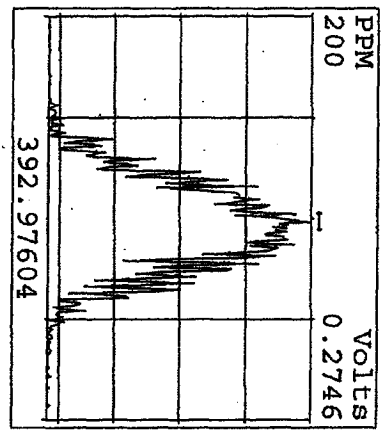
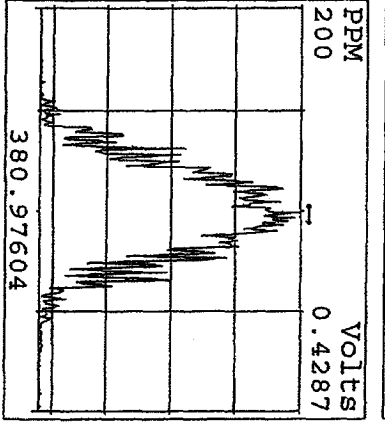
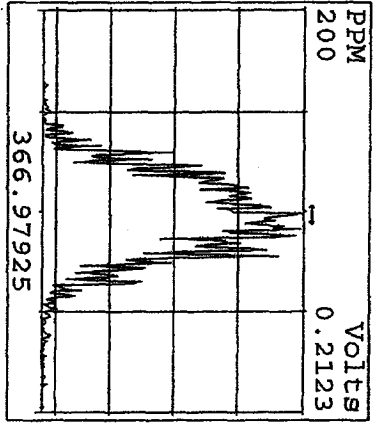
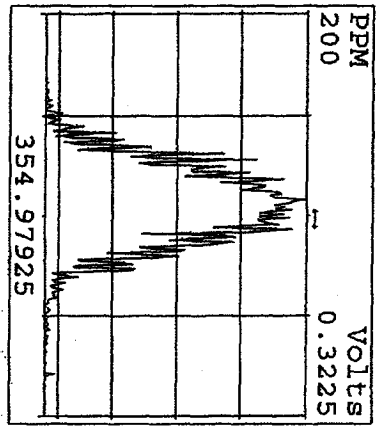
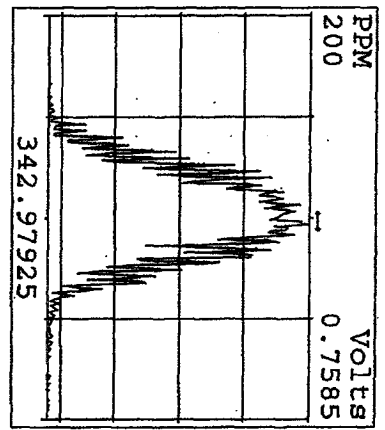
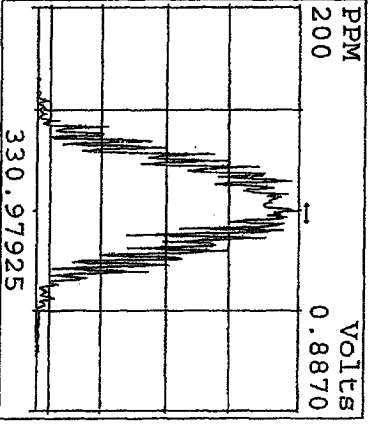
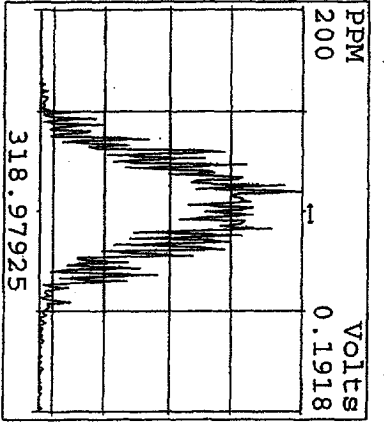
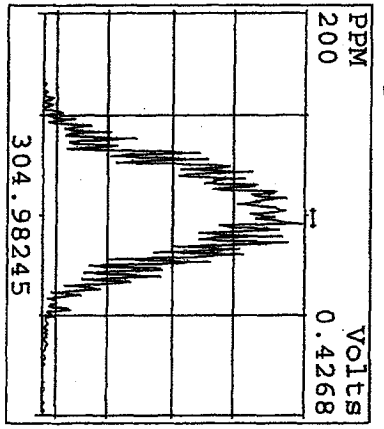
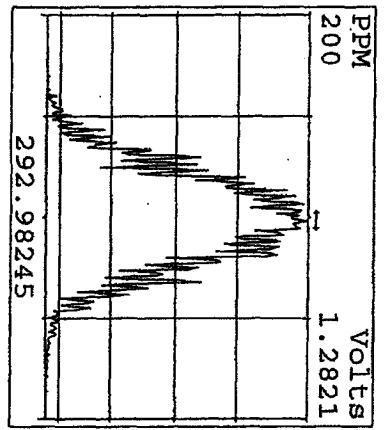
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 Experiment:DIOXIN Function:4 Reference:PKF



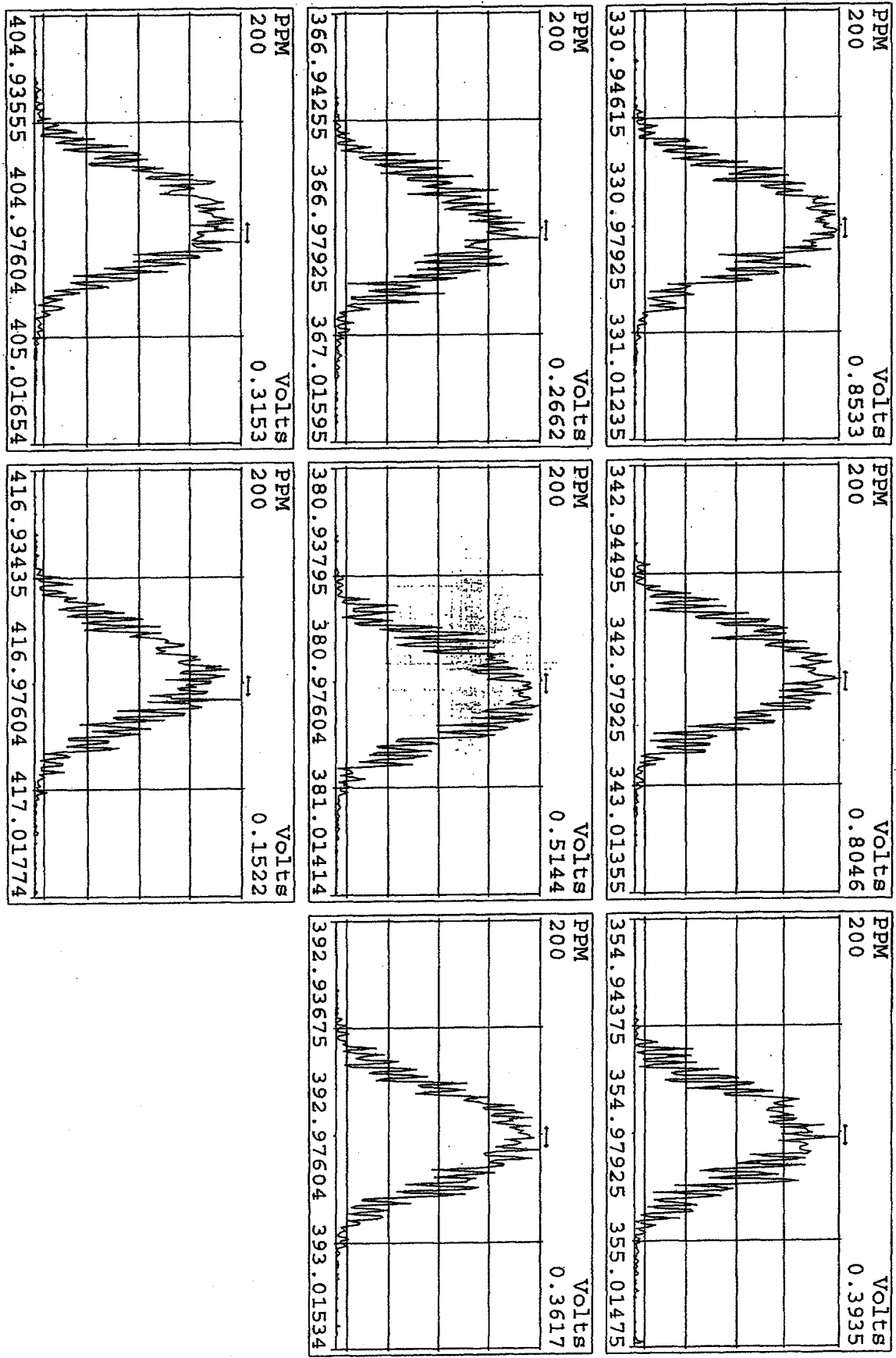
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 Experiment:DIOXIN Function:5 Reference:PFK



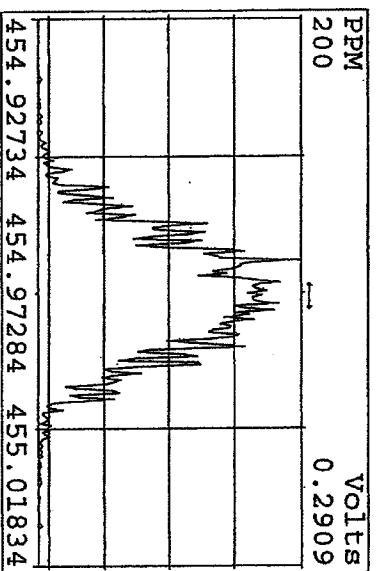
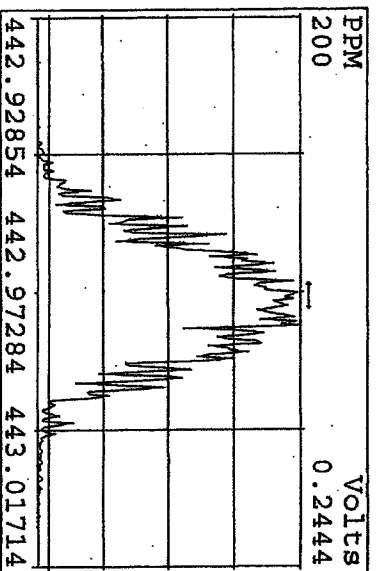
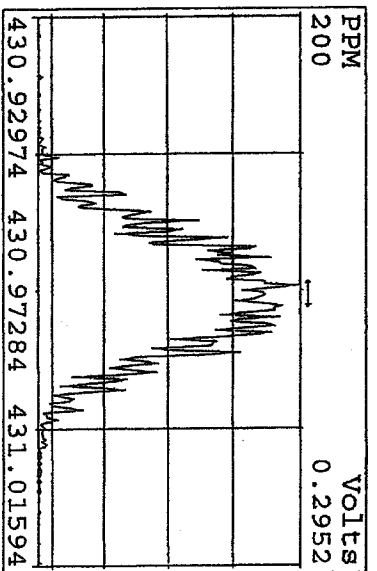
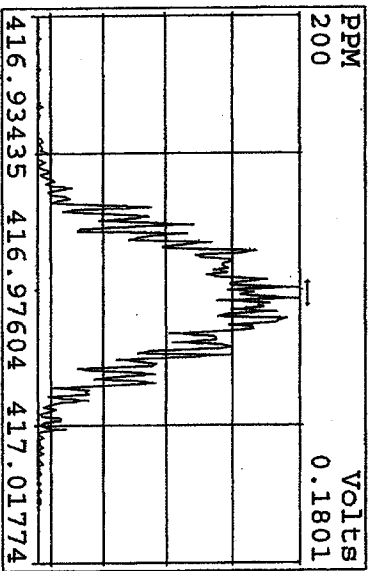
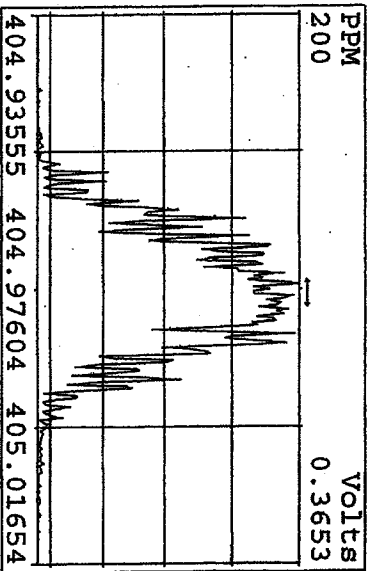
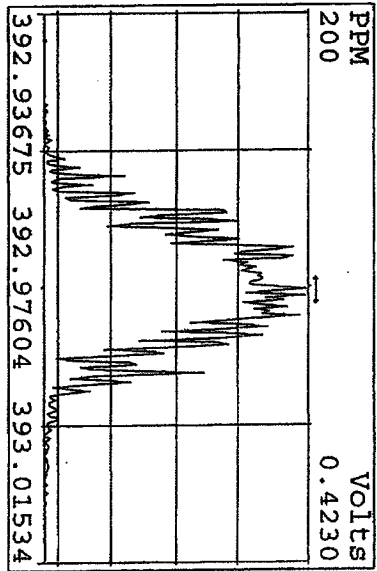
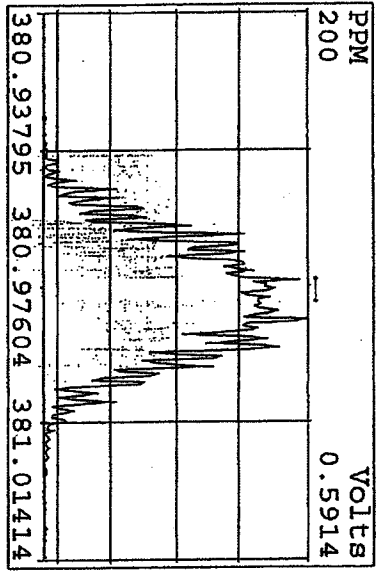
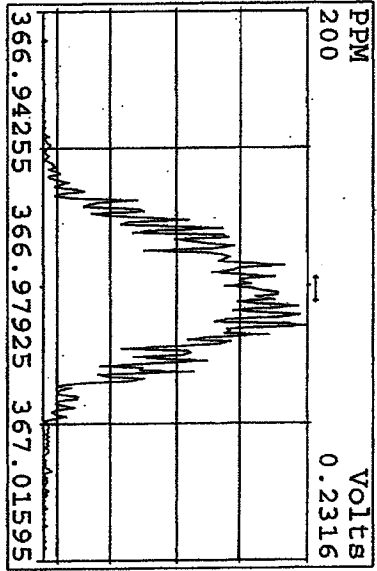
Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5
 Experiment:DIOXIN Function:1 Reference:PFK



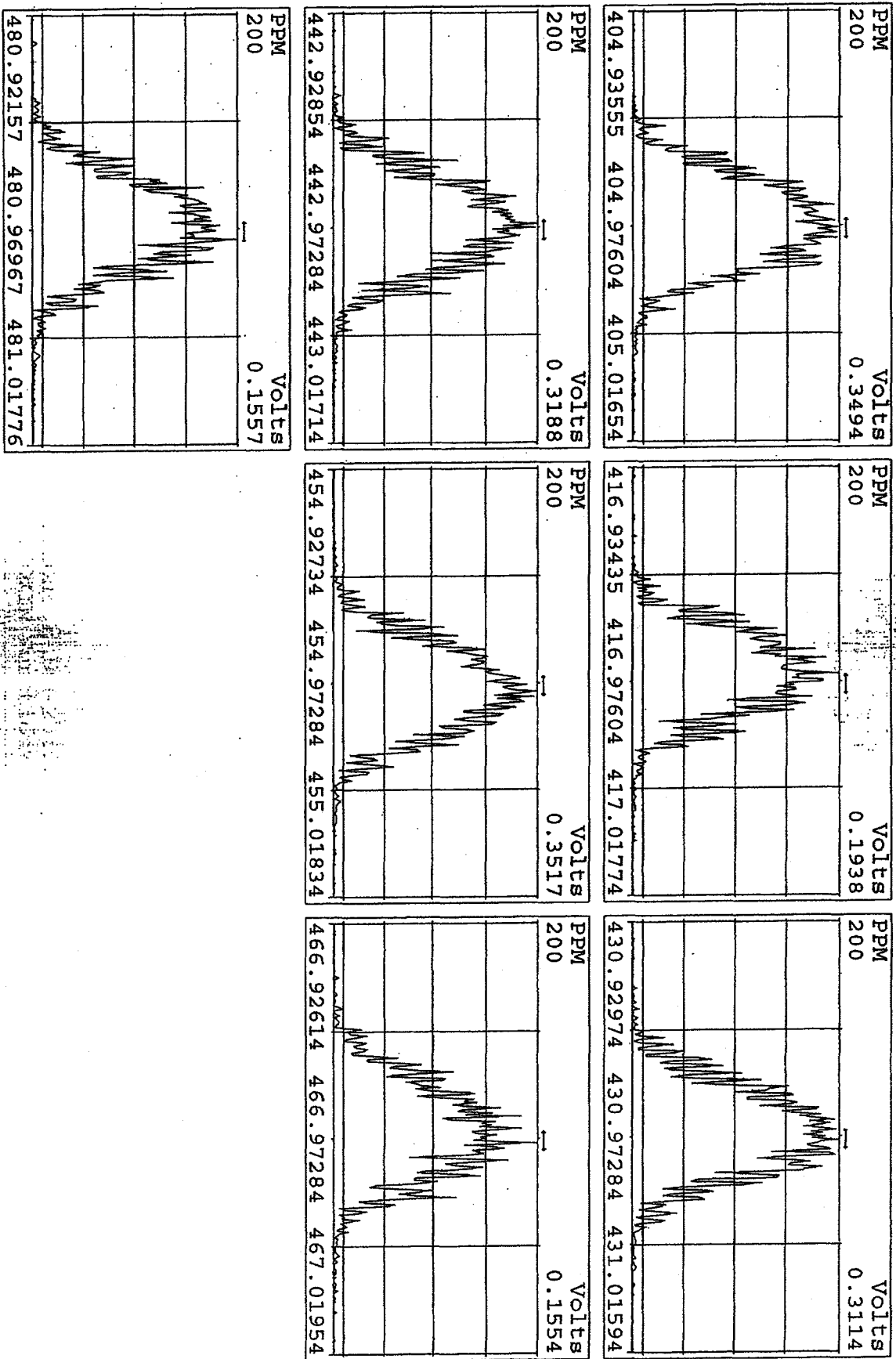
Peak Locate Examination: 1-JAN-2010:07:37 File:RESCHECK1D5
 Experiment:DIOXIN Function:2 Reference:PFK



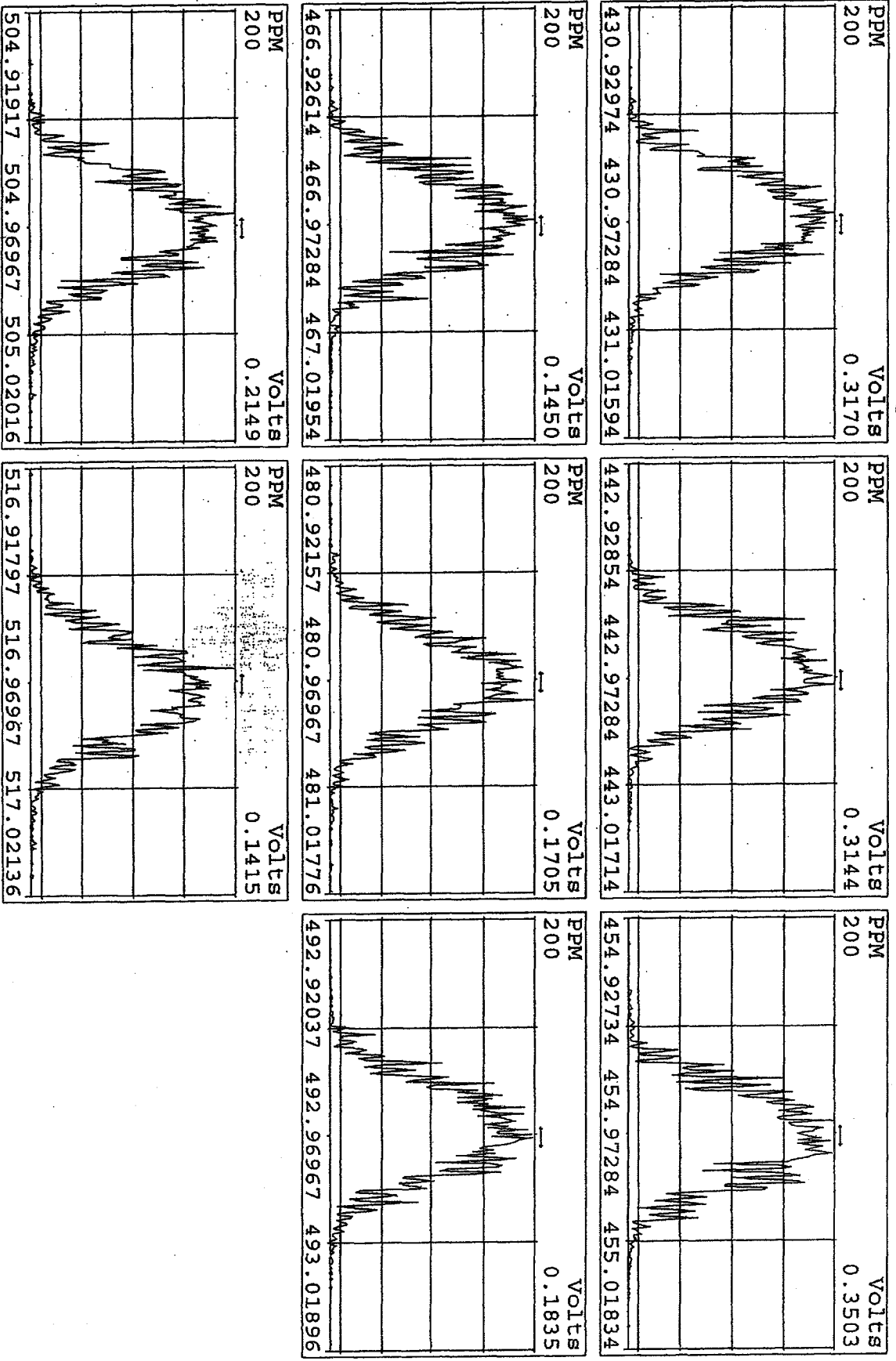
Peak Locate Examination: 1-JAN-2010:07:38 File:RSCHECKID5
 Experiment:DIOXIN Function:3 Reference:PFK



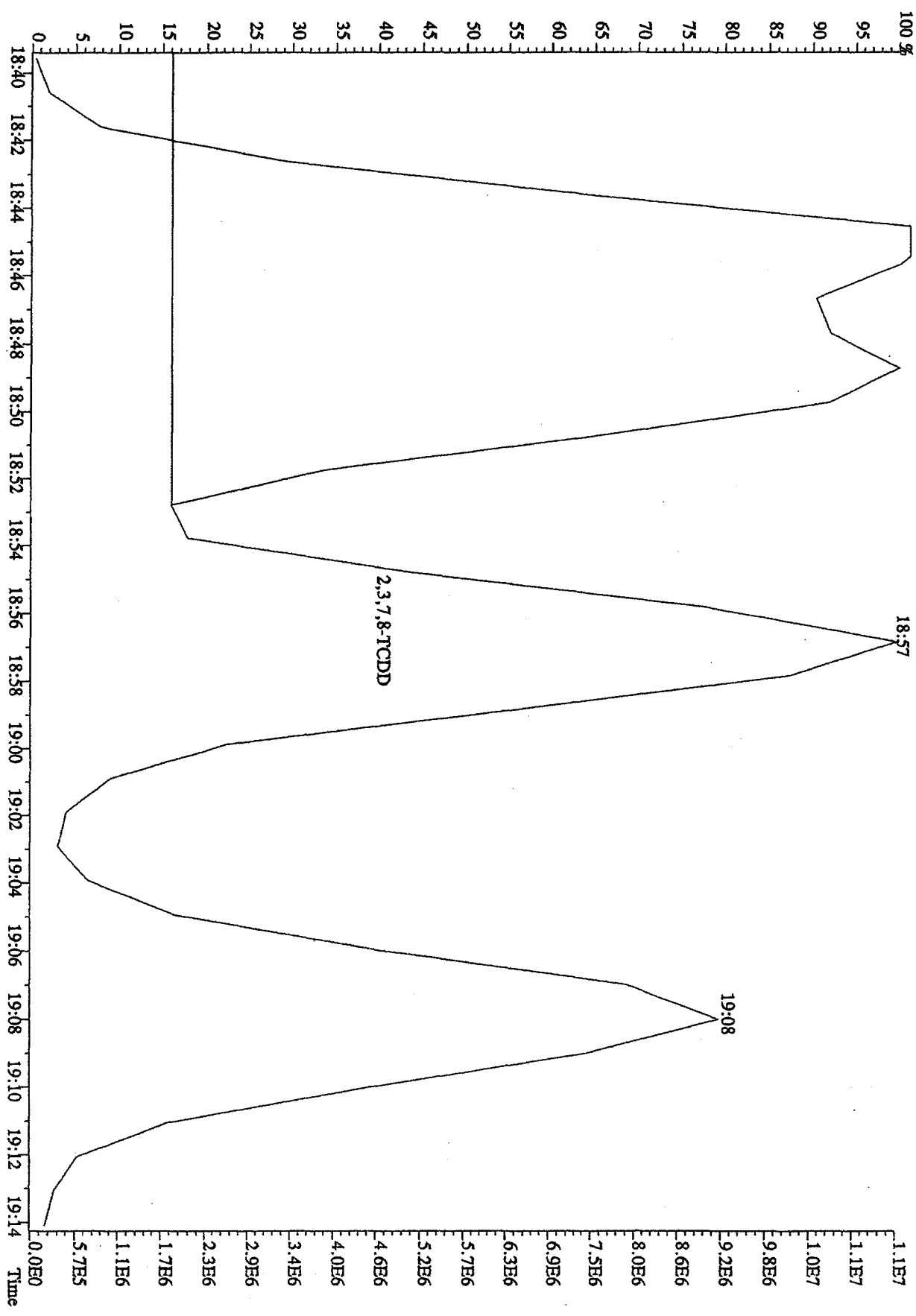
Peak Locate Examination: 17 JAN -2010:07:39 File: RESCHECK1D5
Experiment: DIOXIN Function: 4 Reference: PFK



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 SR 70SE
 Sample#1 Text: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN
 321.8936



Run text: ST1231G Sample text: ST1231G :2nd Source 09DXN449
 Run #6 Filename: 31DE09A1D5 S: 8 I: 1 Results: 31DE09A1D51613
 Acquired: 1-JAN-10 04:19:56 Processed: 4-JAN-10 08:47:22
 Run: 31DE09A1D5 Analyte: 1613 Cal: 16131231091D5
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	233268000	0.81 y	18:42	-	74.89	-	3.7	n
13C-2,3,7,8-TCDF	353417000	0.79 y	18:09	1.57	1934.92	1.89	96.7	n
2,3,7,8-TCDF	29473900	0.75 y	18:10	0.86	193.98	1.19	-	n
Total TCDF	29878342	0.71 y	17:44	0.86	196.64	1.19	-	n
13C-2,3,7,8-TCDD	237599000	0.79 y	18:54	0.99	2050.84	3.63	102.5	n
2,3,7,8-TCDD	20517060	0.77 y	18:55	0.93	184.95	1.19	-	n
Total TCDD	20584547	4.35 n	18:08	0.93	185.56	1.19	-	n
37Cl-2,3,7,8-TCDD	54584600	1.00 y	18:55	2.22	210.99	0.58	105.5	n
13C-1,2,3,7,8-PeCDF	258286200	1.61 y	23:34	1.07	2064.12	1.55	103.2	n
1,2,3,7,8-PeCDF	61444300	1.63 y	23:35	1.00	475.75	1.74	-	n
13C-2,3,4,7,8-PeCDF	243753700	1.62 y	24:59	1.03	2025.63	1.61	101.3	n
2,3,4,7,8-PeCDF	55918300	1.65 y	25:01	0.98	469.60	2.00	-	n
Total F2 PeCDF	119226673	0.82 n	22:06	0.99	960.37	1.86	-	n
Total F1 PeCDF	218994	0.56 n	16:04	0.99	1.76	1.60	-	n
13C-1,2,3,7,8-PeCDD	156506400	1.64 y	25:46	0.67	2013.73	1.54	100.7	n
1,2,3,7,8-PeCDD	33662100	1.63 y	25:48	0.93	462.96	2.68	-	n
Total PeCDD	33824671	3.66 n	25:27	0.93	465.20	2.68	-	n
13C-1,2,3,7,8,9-HxCDD	177940200	1.25 y	32:51	-	64.87	-	-	n
13C-1,2,3,4,7,8-HxCDF	184934800	0.51 y	31:27	0.89	2328.15	4.47	116.4	n
1,2,3,4,7,8-HxCDF	53136200	1.31 y	31:28	1.20	479.25	2.45	-	n
13C-1,2,3,6,7,8-HxCDF	244860900	0.52 y	31:36	1.14	2407.44	3.49	120.4	n
1,2,3,6,7,8-HxCDF	62674400	1.23 y	31:37	1.07	477.98	2.04	-	n
13C-2,3,4,6,7,8-HxCDF	206484200	0.51 y	32:17	0.99	2340.79	4.03	117.0	n
2,3,4,6,7,8-HxCDF	51999200	1.28 y	32:18	1.12	450.75	2.09	-	n
13C-1,2,3,7,8,9-HxCDF	200333300	0.51 y	33:03	1.07	2099.56	3.72	105.0	n
1,2,3,7,8,9-HxCDF	52210900	1.25 y	33:04	1.09	476.28	2.26	-	n
Total HxCDF	220020700	1.31 y	31:28	1.12	1884.27	2.20	-	n
13C-1,2,3,4,7,8-HxCDD	148948400	1.25 y	32:27	0.73	2291.14	1.29	114.6	n
1,2,3,4,7,8-HxCDD	35533800	1.25 y	32:28	0.97	493.76	1.44	-	n
13C-1,2,3,6,7,8-HxCDD	152466700	1.30 y	32:33	0.73	2340.82	1.29	117.0	n
1,2,3,6,7,8-HxCDD	38830200	1.26 y	32:34	1.06	481.27	1.47	-	n
1,2,3,7,8,9-HxCDD	40200100	1.26 y	32:52	1.27	419.65	1.16	-	n
Total HxCDD	114605618	3.00 n	32:17	1.10	1395.19	1.34	-	n
13C-1,2,3,4,6,7,8-HpCDF	173164700	0.43 y	34:36	0.86	2262.83	6.25	113.1	n
1,2,3,4,6,7,8-HpCDF	54083400	1.05 y	34:37	1.29	485.50	1.92	-	n
13C-1,2,3,4,7,8,9-HpCDF	152527600	0.42 y	35:53	0.77	2233.57	7.00	111.7	n
1,2,3,4,7,8,9-HpCDF	44615700	1.05 y	35:54	1.27	459.77	2.42	-	n
Total HpCDF	98699100	1.05 y	34:37	1.28	945.27	2.15	-	n

13C-1,2,3,4,6,7,8-HpCDD	150261100	1.06	y	35:32	0.75	2245.36	4.02	112.3	n
1,2,3,4,6,7,8-HpCDD	35301400	1.05	y	35:33	1.00	470.89	2.29	-	n
Total HpCDD	35553500	0.78	n	34:54	1.00	474.25	2.29	-	n
13C-OCDD	214408000	0.91	y	38:20	0.56	4269.63	4.55	106.7	n
OCDF	71179900	0.89	y	38:28	1.44	923.89	2.51	-	n
OCDD	55918600	0.88	y	38:20	1.11	940.23	2.77	-	n

13C-1,2,3,4,7,8,9-HpCDF 244878200 0.44 y 35:52 0.88 100.00 n

Run #5 Filename 31DE09A1D5 S: 6 I: 1
 Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 08:44:54
 Run: 15SE098D2 Analyte: 0023A Cal: 0023A1231091D5

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 Tetra-Furans	-	- n	-	0.98	0.00	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 Tetra-Dioxins	-	- n	-	1.07	0.00	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 Penta-Furans	-	- n	-	1.08	0.00	n
Total F1 Penta-Furans	-	- n	-	1.08	0.00	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 Penta-Dioxins	-	- n	-	1.06	0.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29 y	32:50	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	266248000	0.52 y	31:34	1.16	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24 y	31:27	1.07	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.18	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.11	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.15	1000.00	n
Total Hexa-Furans	-	- n	-	1.13	0.00	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 Hexa-Dioxins	-	- n	-	1.21	0.00	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 Hepta-Furans	-	- n	-	1.33	0.00	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 Hepta-Dioxins	-	- n	-	1.10	0.00	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
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.44	200.00	n
13C-2,3,4,7,8-PeCDF	272557000	1.61 y	24:55	0.96	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51 y	31:25	0.81	100.00	n
13C-1,2,3,4,7,8-HxCDD	183663000	1.28 y	32:26	1.03	100.00	n

13C-1,2,3,4,7,8,9-HpCDF 182546900 0.44 y 35:52 0.90 100.00 n

Run: 15SE098D2 Analyte: TO9 Cal: TO91231091DS

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
3TC1-2,3,7,8-TCDD	2.224	0.195	8.75 %	2.16	1.96	2.16	2.39	2.44
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

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

Run #1 Filename 31DE09A1D5 S: 2 I: 1
 Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 08:46:13
 Run: 15SE098D2 Analyte: TO9 Cal: TO91231091D5

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	2.16	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 08:46:13
 Run: 15SE098D2 Analyte: TO9 Cal: TO91231091D5

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	1.96	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 08:46:13
 Run: 15SE098D2 Analyte: TO9 Cal: TO91231091D5

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	1.96	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 08:46:14
 Run: 15SE098D2 Analyte: TO9 Cal: TO91231091D5

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	2.16	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 08:46:15
 Run: 15SE098D2 Analyte: TO9 Cal: TO91231091D5

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	2.39	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 08:46:16
 Run: 15SE098D2 Analyte: TO9 Cal: TO91231091D5

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	2.44	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

Run: 15SE098D2 Analyte: 1613 Cal: 16131231091DS

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

31DE09A1DS31DE09A1DS31DE09A1DS31DE09A1DS31DE09A1DS31DE09A1DS

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
13C-2,3,4,7,8-PeCDF	1.032	0.110	10.7 %	0.98	0.94	1.05	0.97	1.22
2,3,4,7,8-PeCDF	0.977	0.136	13.9 %	0.80	0.87	1.01	1.11	1.09
Total F2 PeCDF	0.989	0.127	12.8 %	0.83	0.89	1.03	1.11	1.10
Total F1 PeCDF	0.989	0.127	12.8 %	0.83	0.89	1.03	1.11	1.10
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	-	-	- %	-	-	-	-	-
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
13C-1,2,3,6,7,8-HxCDF	1.143	0.104	9.11 %	1.25	1.15	1.20	0.97	1.16
1,2,3,6,7,8-HxCDF	1.071	0.128	12.0 %	0.89	0.99	1.11	1.18	1.18
13C-2,3,4,6,7,8-HxCDF	0.991	0.092	9.28 %	1.07	0.98	1.01	0.84	1.06
2,3,4,6,7,8-HxCDF	1.117	0.127	11.4 %	0.94	1.03	1.18	1.23	1.20
13C-1,2,3,7,8,9-HxCDF	1.072	0.048	4.46 %	1.10	1.04	1.10	1.01	1.12
1,2,3,7,8,9-HxCDF	1.094	0.126	11.5 %	0.91	1.01	1.18	1.18	1.19

	Total HxCDF	1.116	0.136	12.2 %	0.92	1.02	1.19	1.23	1.22
13C-1,2,3,4,7,8-HxCDD	0.731	0.061	8.29 %	0.76	0.75	0.72	0.64	0.80	
1,2,3,4,7,8-HxCDD	0.966	0.148	15.3 %	0.81	0.81	1.03	1.11	1.07	
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78	
1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15	
1,2,3,7,8,9-HxCDD	1.271	0.226	17.8 %	0.96	1.14	1.37	1.54	1.35	
Total HxCDD	1.098	0.161	14.7 %	0.88	0.98	1.17	1.27	1.19	
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	
13C-1,2,3,4,7,8,9-HpCDF	0.768	0.053	6.95 %	0.82	0.75	0.79	0.68	0.79	
1,2,3,4,7,8,9-HpCDF	1.272	0.166	13.1 %	1.07	1.12	1.33	1.44	1.40	
Total HpCDF	1.280	0.151	11.8 %	1.09	1.15	1.34	1.42	1.40	
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 08:40:35
 Run: 15SE098D2 Analyte: 1613 Cal: 16131231091D5

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
13C-2,3,4,7,8-PeCDF	321500000	1.63 y	24:57	0.98	100.00	n
2,3,4,7,8-PeCDF	6434690	1.62 y	24:58	0.80	2.50	n
Total F2 PeCDF	-	- n	-	0.83	2.50	n
Total F1 PeCDF	-	- n	-	0.83	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
13C-1,2,3,6,7,8-HxCDF	307099000	0.53 y	31:35	1.25	100.00	n
1,2,3,6,7,8-HxCDF	6810920	1.31 y	31:36	0.89	2.50	n
13C-2,3,4,6,7,8-HxCDF	263260200	0.51 y	32:16	1.07	100.00	n
2,3,4,6,7,8-HxCDF	6178250	1.26 y	32:17	0.94	2.50	n
13C-1,2,3,7,8,9-HxCDF	270595100	0.51 y	33:02	1.10	100.00	n
1,2,3,7,8,9-HxCDF	6177790	1.28 y	33:03	0.91	2.50	n
Total HxCDF	-	- n	-	0.92	10.00	n
13C-1,2,3,4,7,8-HxCDD	186730100	1.28 y	32:26	0.76	100.00	n
1,2,3,4,7,8-HxCDD	3765050	1.19 y	32:27	0.81	2.50	n
13C-1,2,3,6,7,8-HxCDD	204409500	1.28 y	32:32	0.83	100.00	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	0.96	2.50	n
Total HxCDD	-	- n	-	0.88	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
13C-1,2,3,4,7,8,9-HpCDF	201760500	0.44 y	35:52	0.82	100.00	n
1,2,3,4,7,8,9-HpCDF	5396380	1.04 y	35:53	1.07	2.50	n
Total HpCDF	-	- n	-	1.09	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 08:40:36
 Run: 15SE098D2 Analyte: 1613 Cal: 16131231091D5

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
13C-2,3,4,7,8-PeCDF	318970000	1.66 y	24:55	0.94	100.00	n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.87	10.00	n
Total F2 PeCDF	-	- n	-	0.89	10.00	n
Total F1 PeCDF	-	- n	-	0.89	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
13C-1,2,3,6,7,8-HxCDF	311396000	0.52 y	31:34	1.15	100.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	0.99	10.00	n
13C-2,3,4,6,7,8-HxCDF	265384100	0.51 y	32:15	0.98	100.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.03	10.00	n
13C-1,2,3,7,8,9-HxCDF	281261100	0.51 y	33:01	1.04	100.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.01	10.00	n
Total HxCDF	-	- n	-	1.02	40.00	n
13C-1,2,3,4,7,8-HxCDD	202852200	1.25 y	32:26	0.75	100.00	n
1,2,3,4,7,8-HxCDD	16376990	1.27 y	32:26	0.81	10.00	y
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00	n
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	1.14	10.00	n
Total HxCDD	-	- n	-	0.98	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
13C-1,2,3,4,7,8,9-HpCDF	204359800	0.43 y	35:52	0.75	100.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.12	10.00	n
Total HpCDF	-	- n	-	1.15	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 08:40:36
 Run: 15SE098D2 Analyte: 1613 Cal: 16131231091D5

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
13C-2,3,4,7,8-PeCDF	318970000	1.66 y	24:55	0.94	100.00 n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.87	10.00 n
Total F2 PeCDF	-	- n	-	0.89	10.00 n
Total F1 PeCDF	-	- n	-	0.89	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
13C-1,2,3,6,7,8-HxCDF	311396000	0.52 y	31:34	1.15	100.00 n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	0.99	10.00 n
13C-2,3,4,6,7,8-HxCDF	265384100	0.51 y	32:15	0.98	100.00 n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.03	10.00 n
13C-1,2,3,7,8,9-HxCDF	281261100	0.51 y	33:01	1.04	100.00 n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.01	10.00 n
Total HxCDF	-	- n	-	1.02	40.00 n
13C-1,2,3,4,7,8-HxCDD	202852200	1.25 y	32:26	0.75	100.00 n
1,2,3,4,7,8-HxCDD	14931616	1.45 n	32:26	0.74	10.00 n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00 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	1.14	10.00 n
Total HxCDD	-	- n	-	0.96	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
13C-1,2,3,4,7,8,9-HpCDF	204359800	0.43 y	35:52	0.75	100.00 n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.12	10.00 n
Total HpCDF	-	- n	-	1.15	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 08:40:37
 Run: 15SE098D2 Analyte: 1613 Cal: 16131231091D5

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
13C-2,3,4,7,8-PeCDF	321956000	1.61 y	24:56	1.05	100.00	n
2,3,4,7,8-PeCDF	162654400	1.64 y	24:57	1.01	50.00	n
Total F2 PeCDF	-	- n	-	1.03	50.00	n
Total F1 PeCDF	-	- n	-	1.03	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
13C-1,2,3,6,7,8-HxCDF	315952000	0.51 y	31:33	1.20	100.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25 y	31:35	1.11	50.00	n
13C-2,3,4,6,7,8-HxCDF	265948100	0.52 y	32:15	1.01	100.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29 y	32:16	1.18	50.00	n
13C-1,2,3,7,8,9-HxCDF	289477900	0.52 y	33:01	1.10	100.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26 y	33:02	1.18	50.00	n
Total HxCDF	-	- n	-	1.19	200.00	n
13C-1,2,3,4,7,8-HxCDD	188994900	1.28 y	32:25	0.72	100.00	n
1,2,3,4,7,8-HxCDD	97513000	1.26 y	32:26	1.03	50.00	n
13C-1,2,3,6,7,8-HxCDD	199181900	1.29 y	32:31	0.75	100.00	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	1.37	50.00	n
Total HxCDD	-	- n	-	1.17	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
13C-1,2,3,4,7,8,9-HpCDF	209116200	0.43 y	35:51	0.79	100.00	n
1,2,3,4,7,8,9-HpCDF	138612200	1.05 y	35:52	1.33	50.00	n
Total HpCDF	-	- n	-	1.34	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 08:40:38
 Run: 15SE098D2 Analyte: 1613 Cal: 16131231091D5

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
13C-2,3,4,7,8-PeCDF	349484000	1.62 y	24:55	0.97	100.00	n
2,3,4,7,8-PeCDF	775079000	1.57 y	24:57	1.11	200.00	n
Total F2 PeCDF	-	- n	-	1.11	200.00	n
Total F1 PeCDF	-	- n	-	1.11	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
13C-1,2,3,6,7,8-HxCDF	348528000	0.52 y	31:34	0.97	100.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27 y	31:35	1.18	200.00	n
13C-2,3,4,6,7,8-HxCDF	302246000	0.53 y	32:15	0.84	100.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26 y	32:16	1.23	200.00	n
13C-1,2,3,7,8,9-HxCDF	362373000	0.52 y	33:01	1.01	100.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26 y	33:02	1.18	200.00	n
Total HxCDF	-	- n	-	1.23	800.00	n
13C-1,2,3,4,7,8-HxCDD	228246000	1.27 y	32:26	0.64	100.00	n
1,2,3,4,7,8-HxCDD	507310000	1.25 y	32:27	1.11	200.00	n
13C-1,2,3,6,7,8-HxCDD	219899700	1.29 y	32:31	0.61	100.00	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	1.54	200.00	n
Total HxCDD	-	- n	-	1.27	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
13C-1,2,3,4,7,8,9-HpCDF	244878200	0.44 y	35:52	0.68	100.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04 y	35:53	1.44	200.00	n
Total HpCDF	-	- n	-	1.42	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 08:40:38
 Run: 15SE098D2 Analyte: 1613 Cal: 16131231091D5

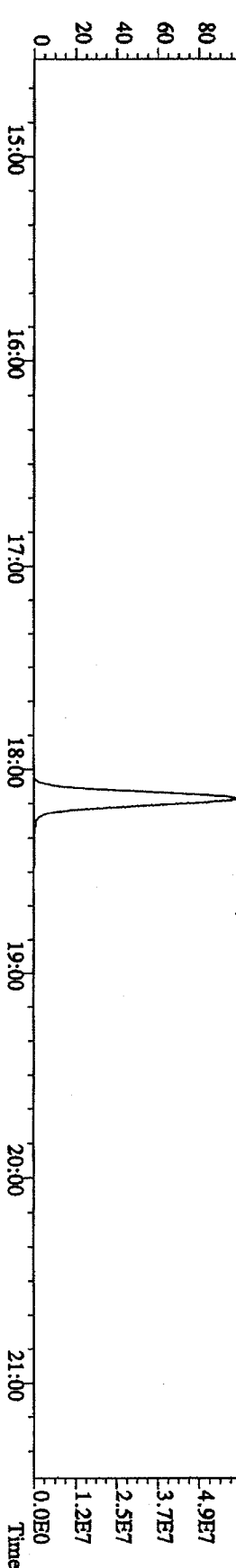
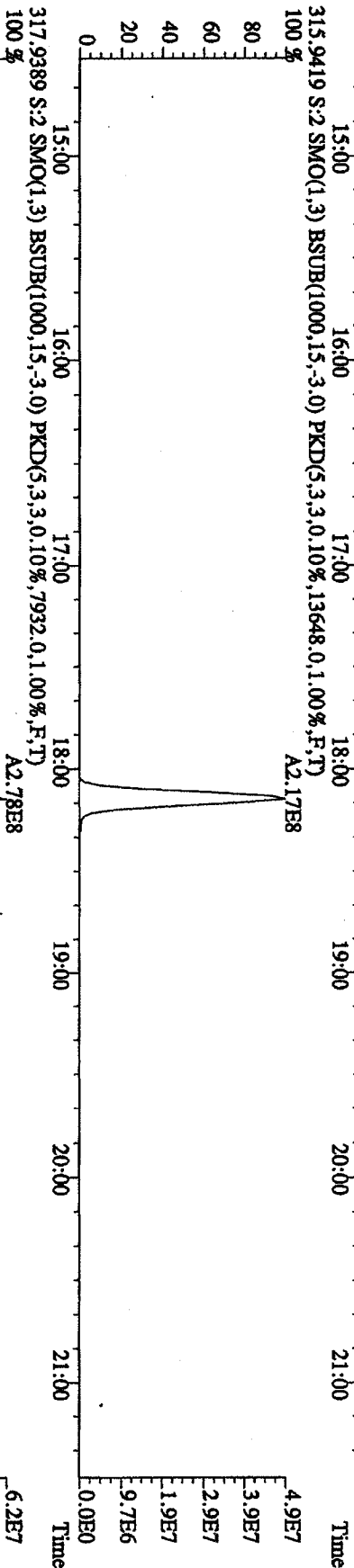
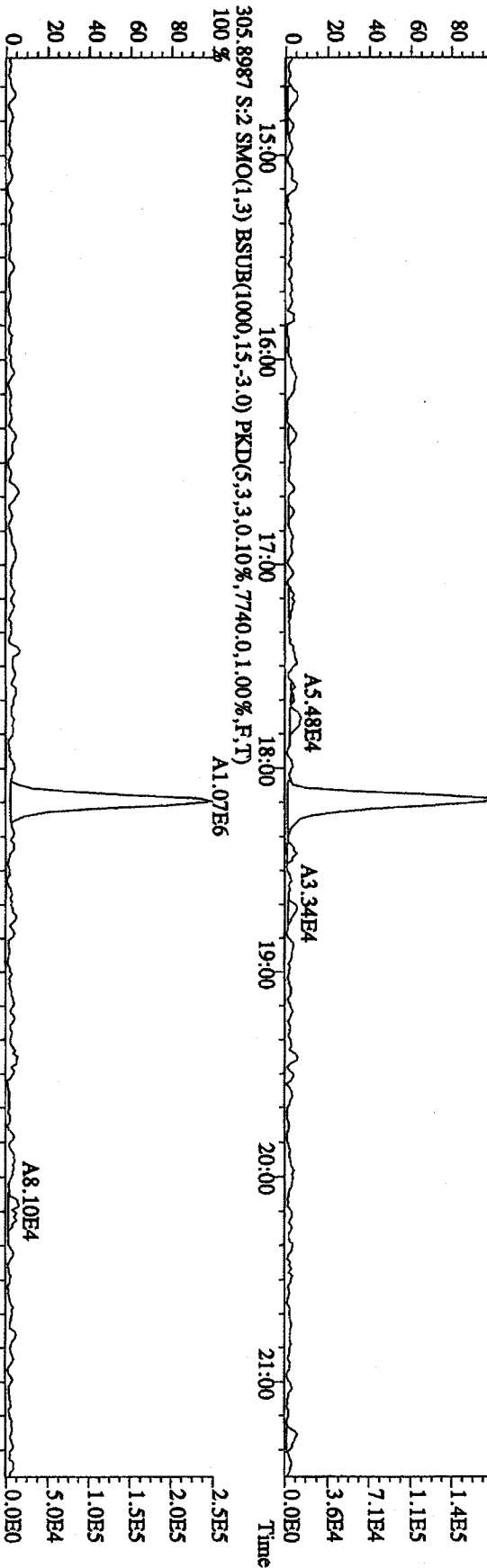
Comments:

Sample text: ST1231F :CS-5 09DXN456

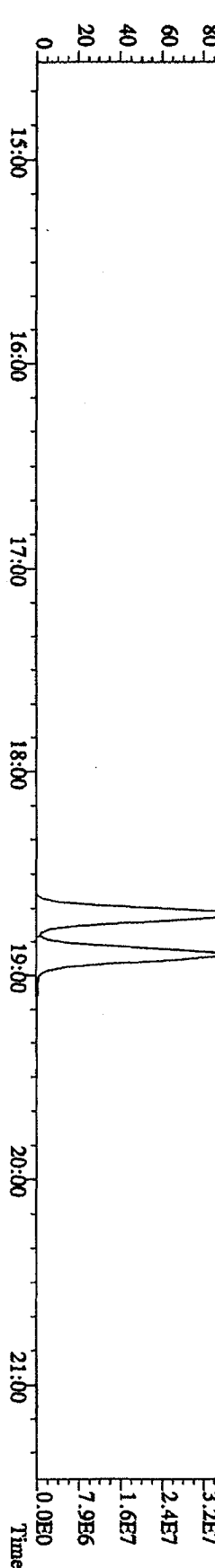
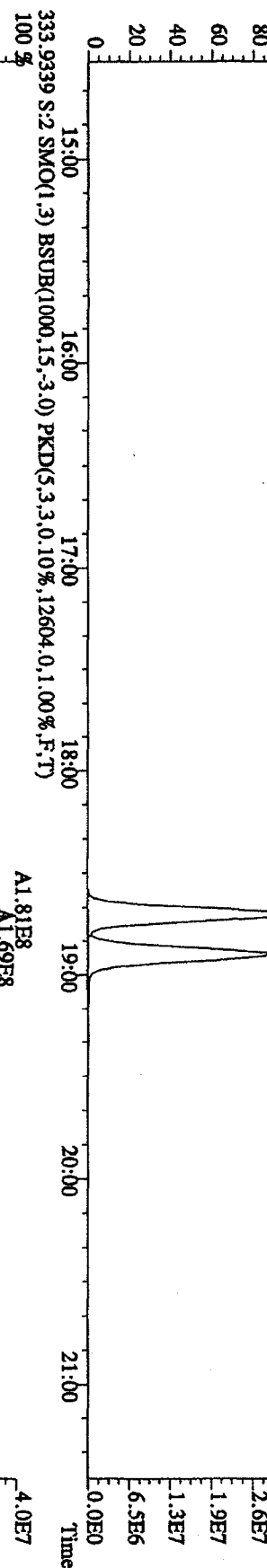
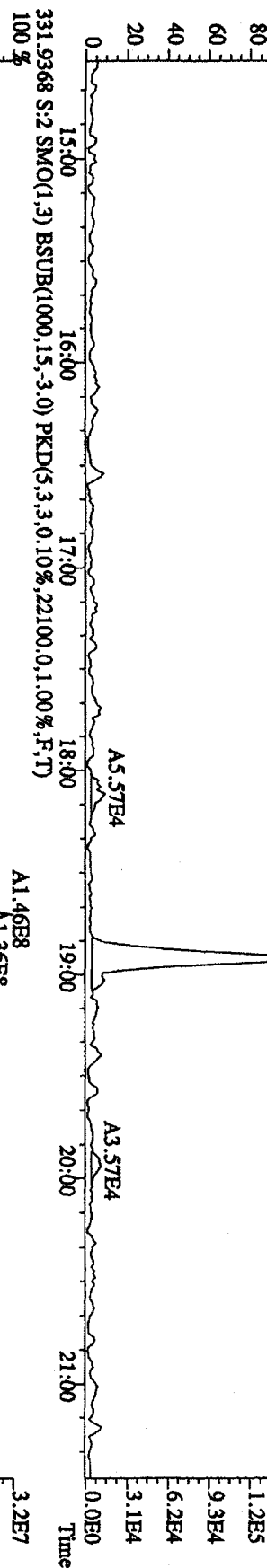
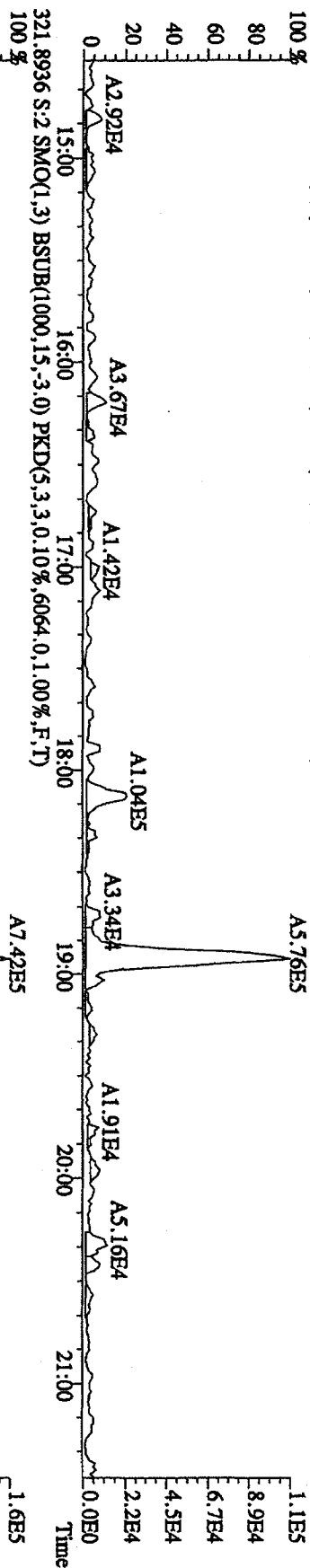
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	223948500	0.79 y	18:39	-	100.00	n
13C-2,3,7,8-TCDF	370833000	0.77 y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76 y	18:06	0.98	200.00	n
Total TCDF	-	- n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80 y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78 y	18:52	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
13C-2,3,4,7,8-PeCDF	272557000	1.61 y	24:55	1.22	100.00	n
2,3,4,7,8-PeCDF	2975790000	1.57 y	24:57	1.09	1000.00	n
Total F2 PeCDF	-	- n	-	1.10	1000.00	n
Total F1 PeCDF	-	- n	-	1.10	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
13C-1,2,3,6,7,8-HxCDF	266248000	0.52 y	31:34	1.16	100.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.18	1000.00	n
13C-2,3,4,6,7,8-HxCDF	244818000	0.52 y	32:15	1.06	100.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.20	1000.00	n
13C-1,2,3,7,8,9-HxCDF	258668700	0.50 y	33:02	1.12	100.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.19	1000.00	n
Total HxCDF	-	- n	-	1.22	4000.00	n
13C-1,2,3,4,7,8-HxCDD	183663000	1.28 y	32:26	0.80	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25 y	32:27	1.07	1000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27 y	32:31	0.78	100.00	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	1.35	1000.00	n
Total HxCDD	-	- n	-	1.19	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
13C-1,2,3,4,7,8,9-HpCDF	182546900	0.44 y	35:52	0.79	100.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04 y	35:53	1.40	1000.00	n
Total HpCDF	-	- n	-	1.40	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

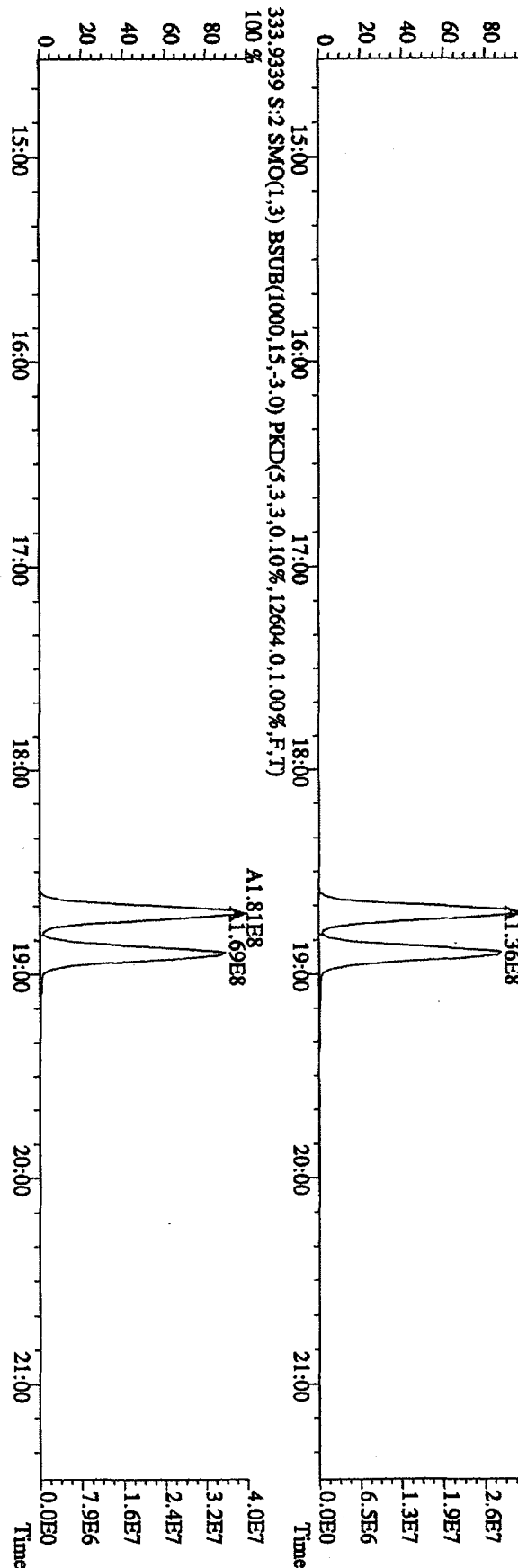
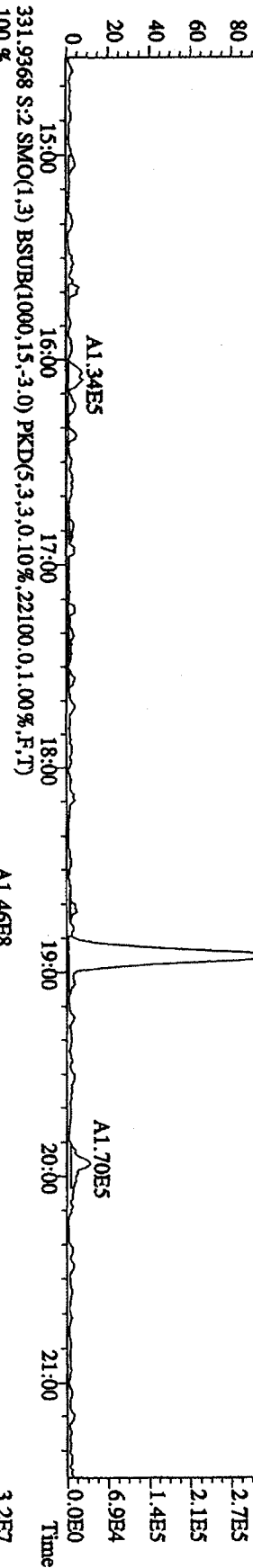
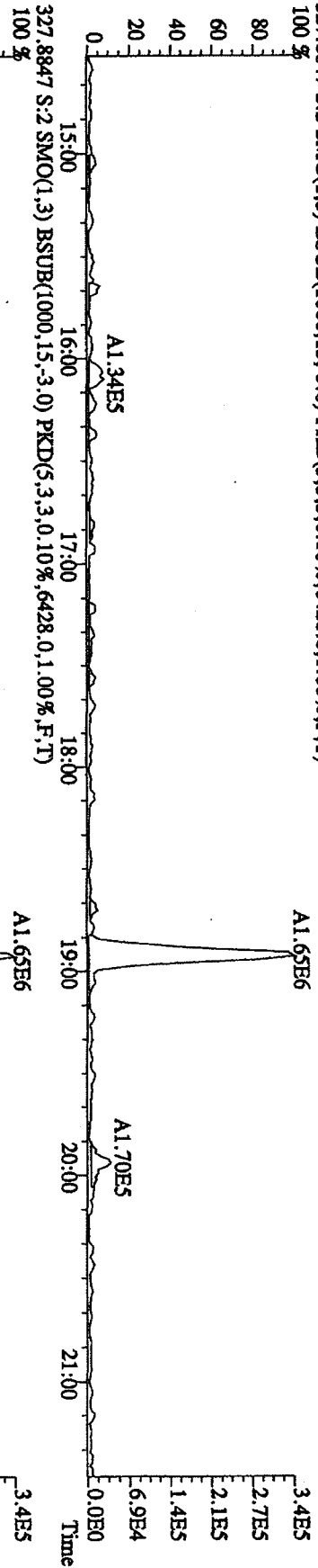
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4776,0.1,00%,F,T)
 100 %



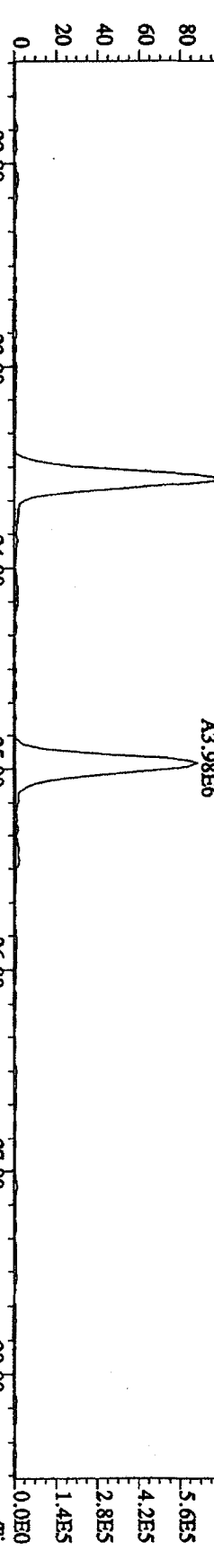
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3832,0.1,00%,F,T)



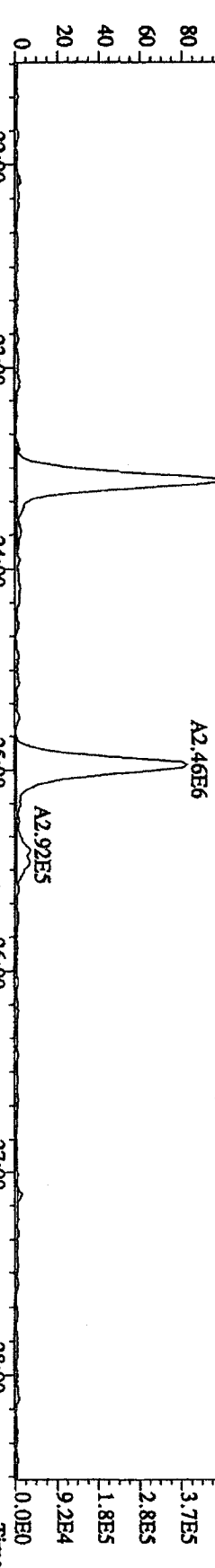
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6428,0,1,00%,F,T)



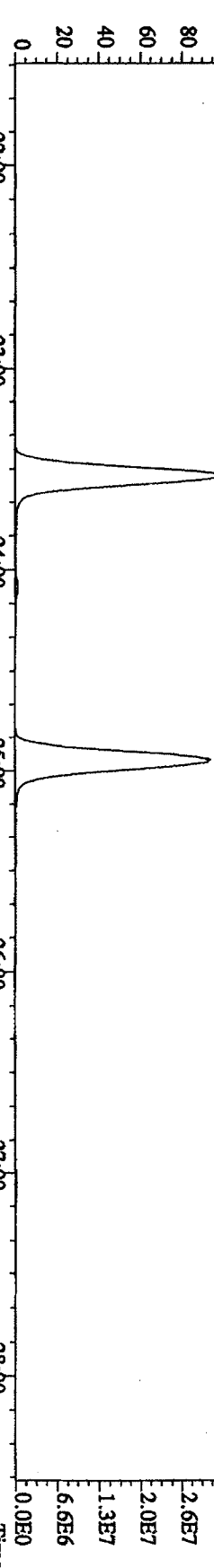
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DDXN422 Exp:DIOXIN
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4700,0,1,00%,F,T)
 100 %



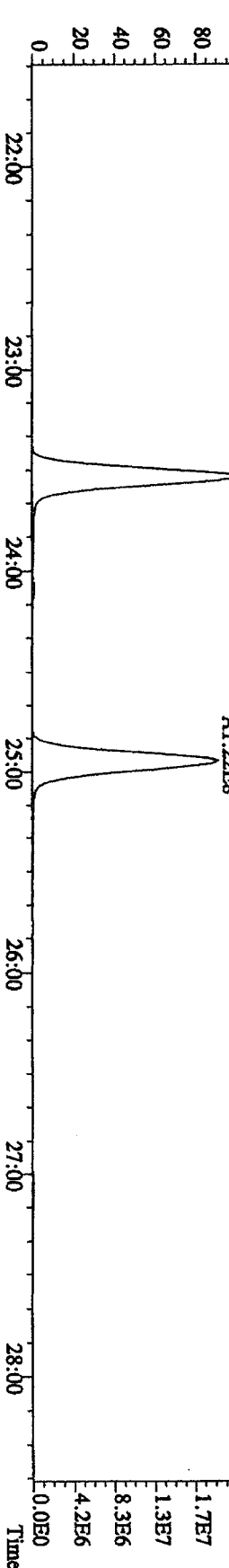
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5860,0,1,00%,F,T)
 100 %



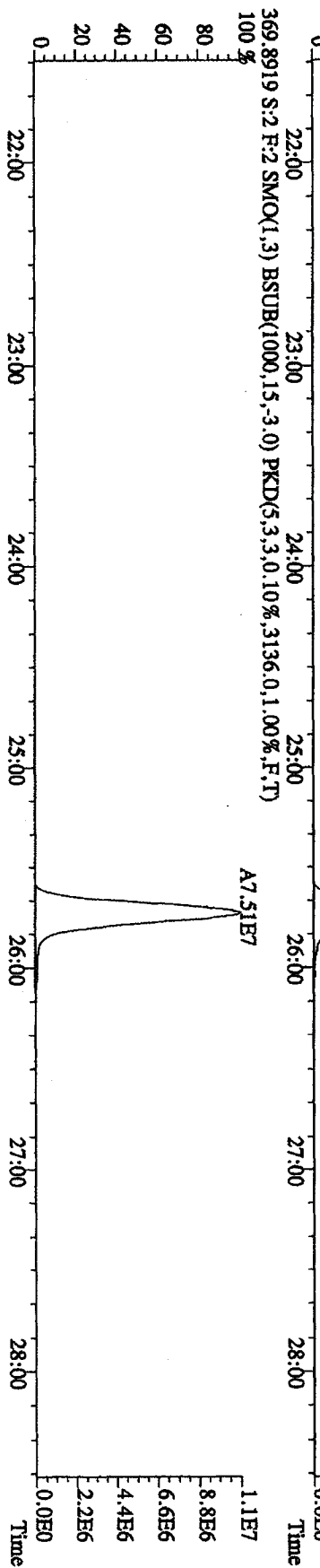
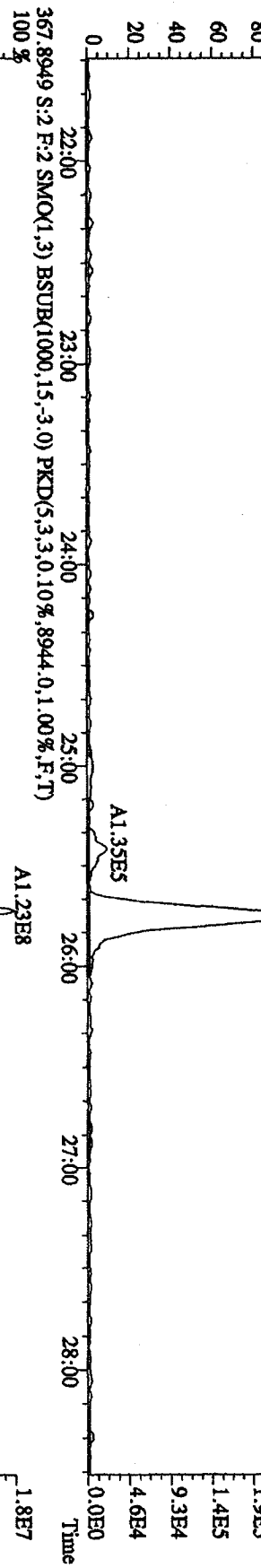
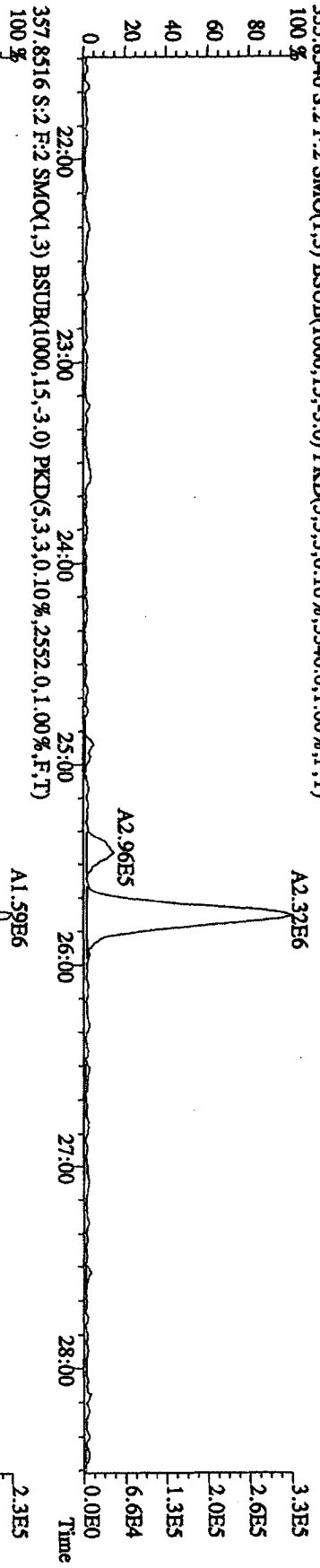
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9020,0,1,00%,F,T)
 100 %



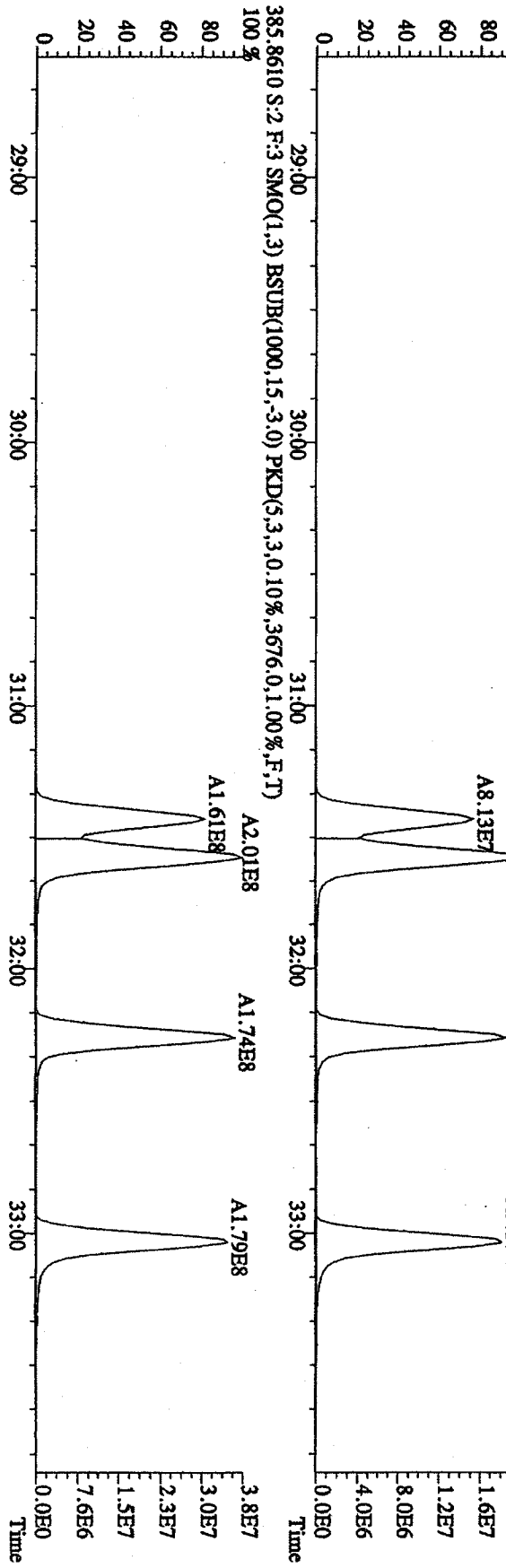
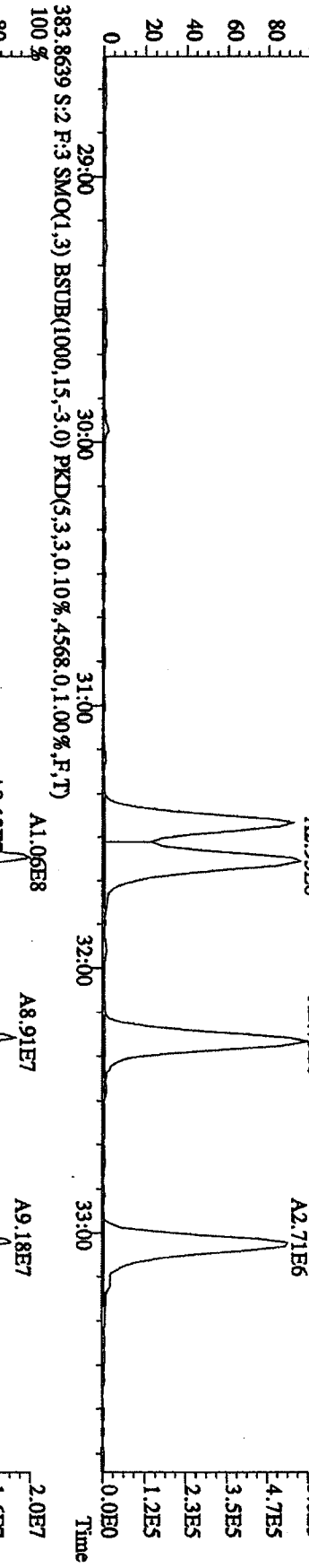
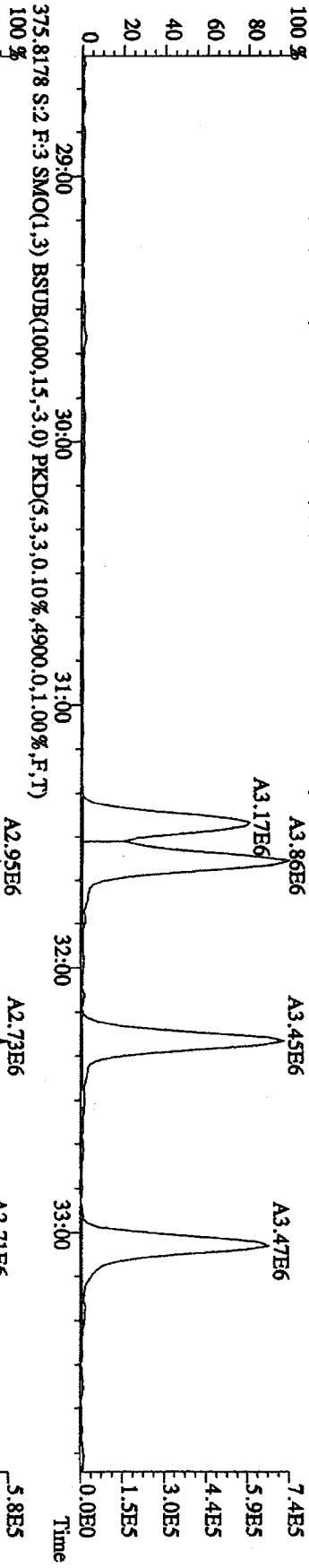
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10368,0,1,00%,F,T)
 100 %



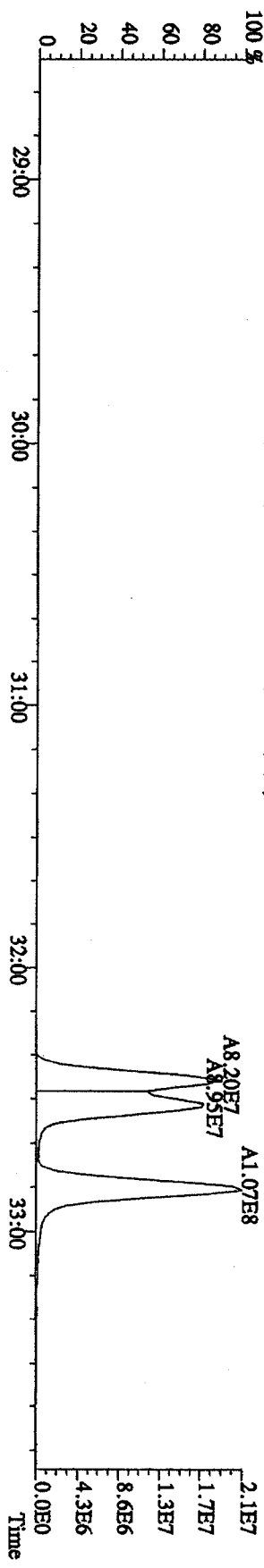
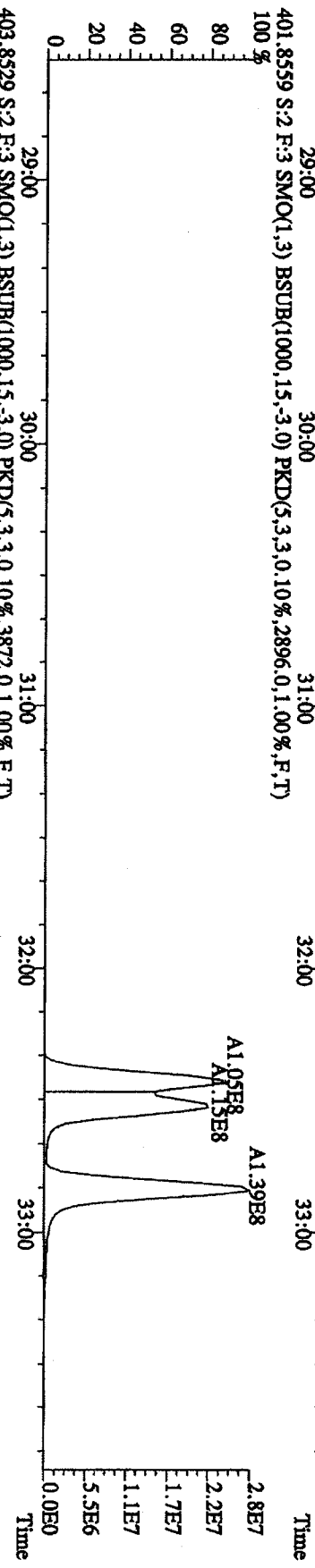
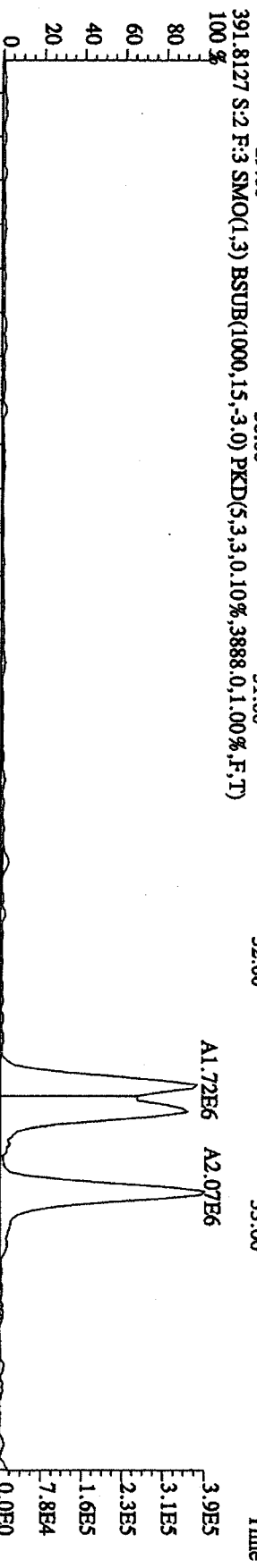
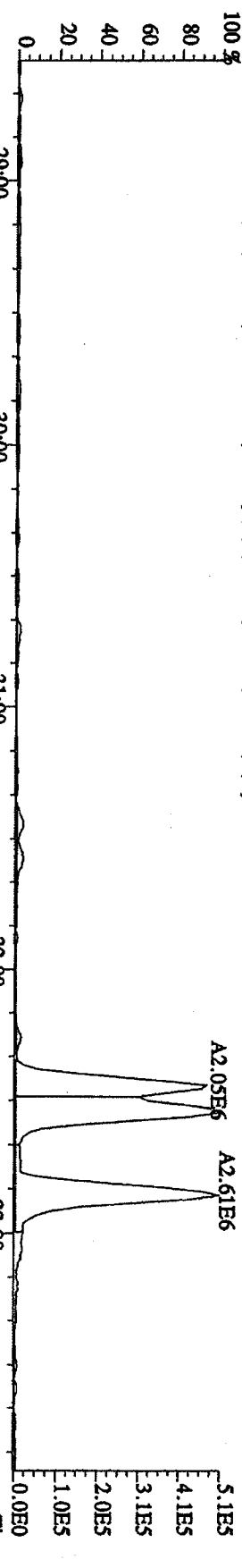
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5340,0.1,00%,F,T)
 100%



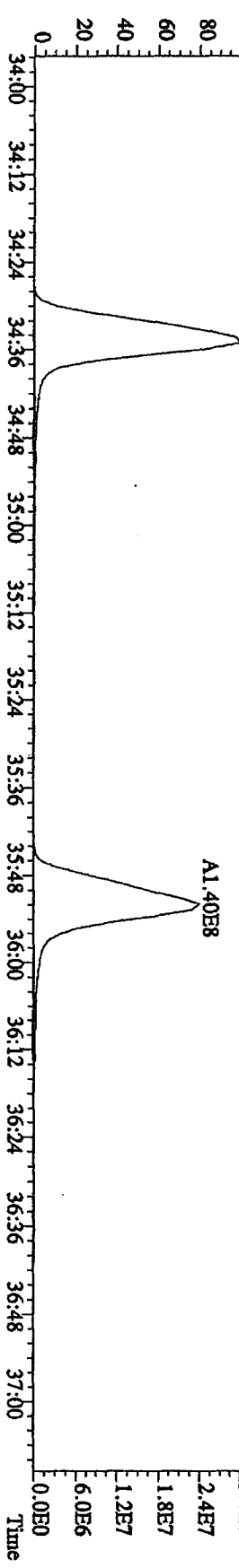
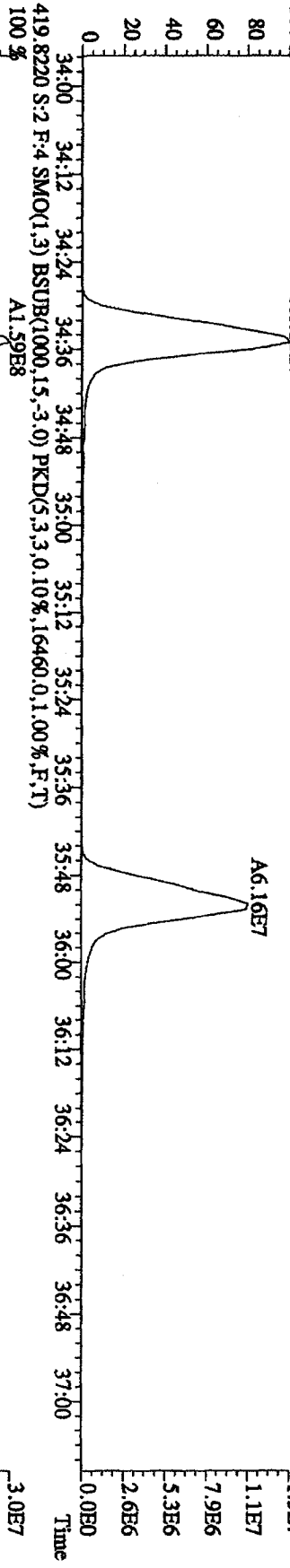
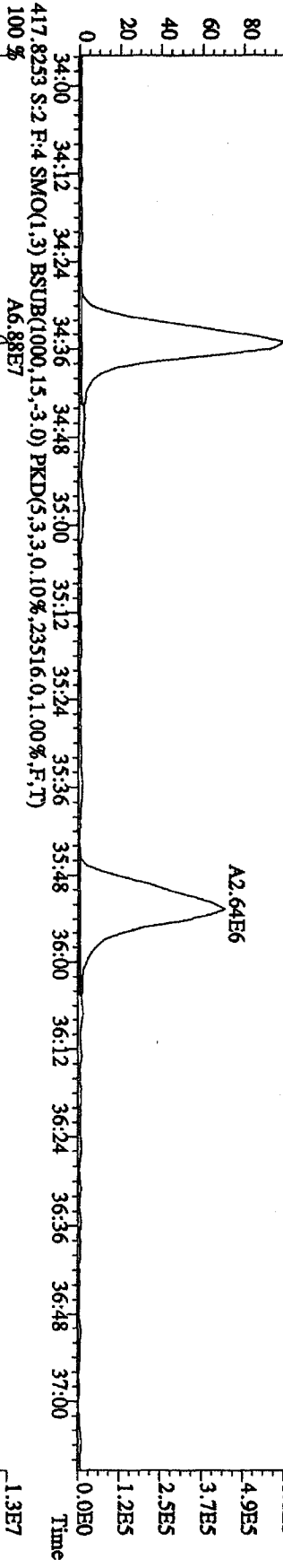
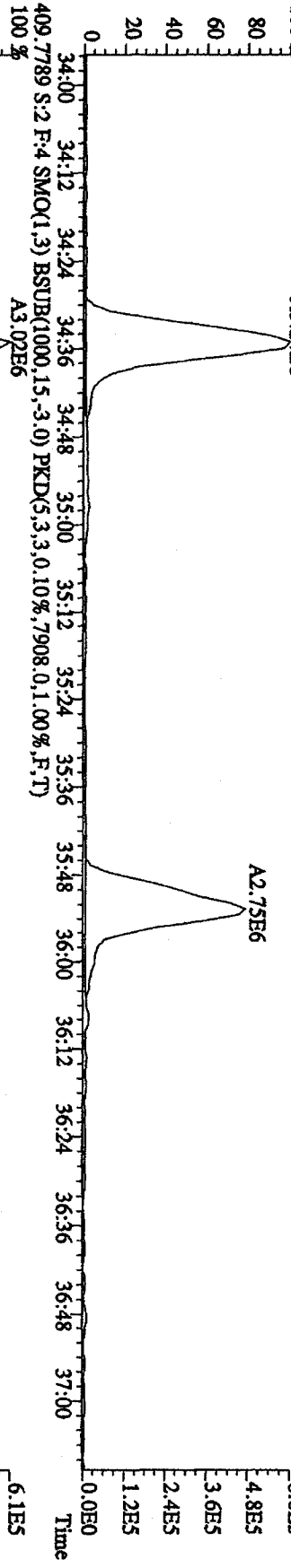
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6476,0.1,00%,F,T)



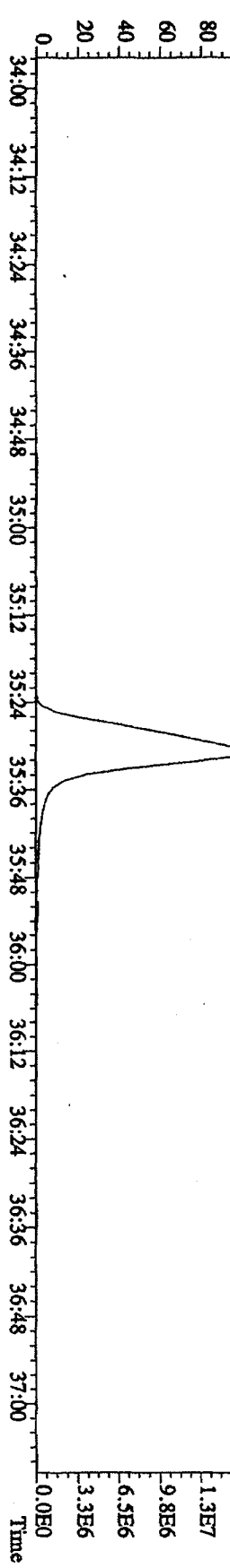
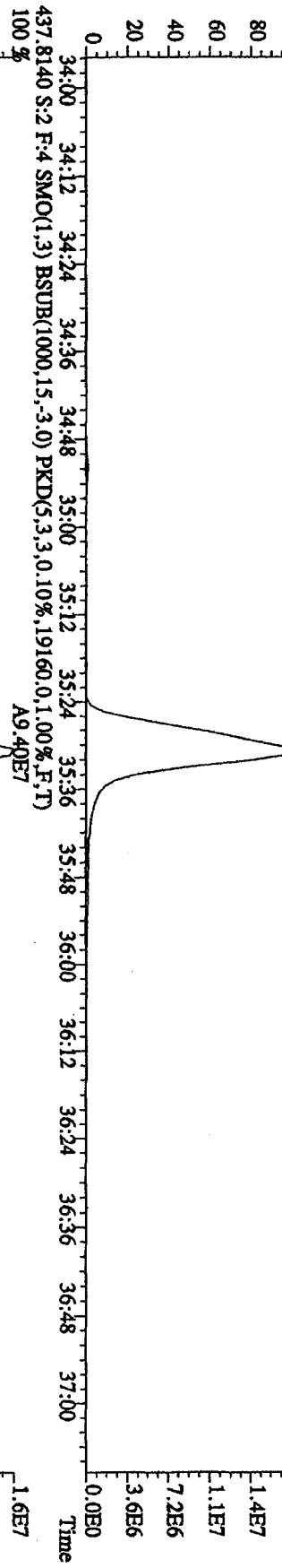
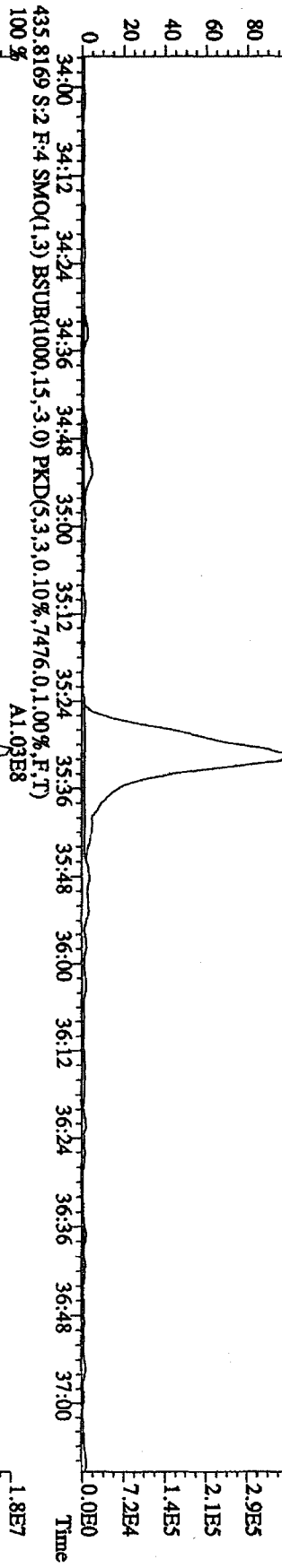
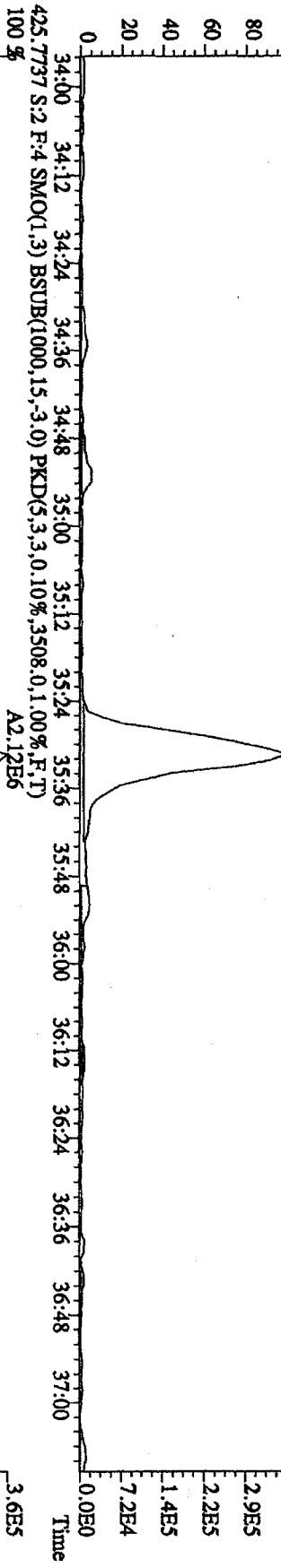
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3464.0,1.00%,F,T)



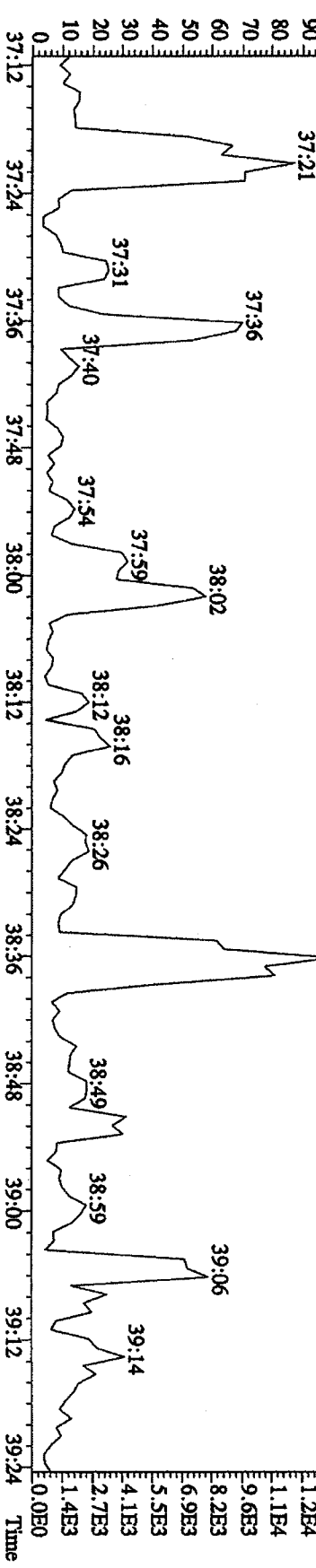
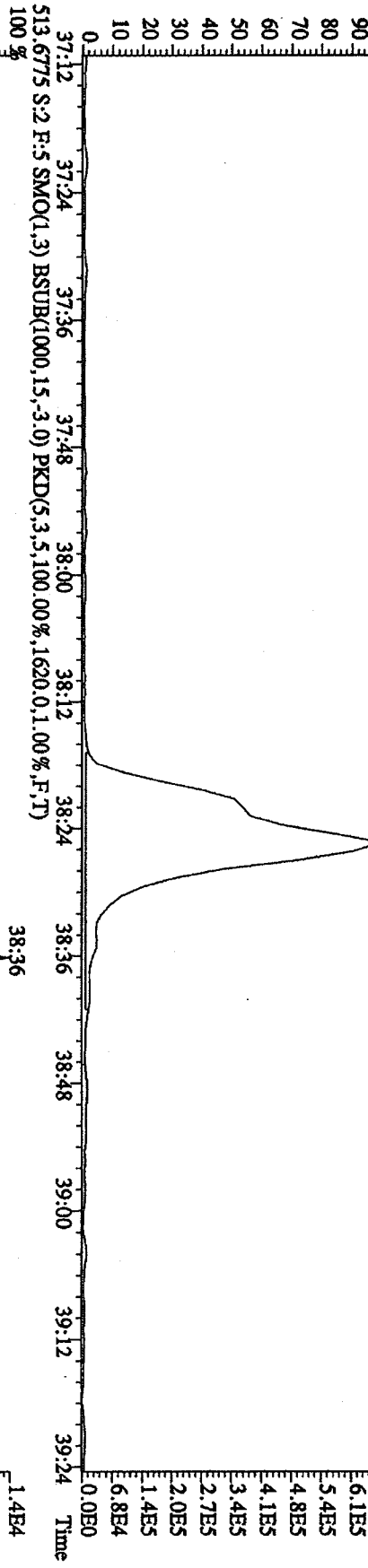
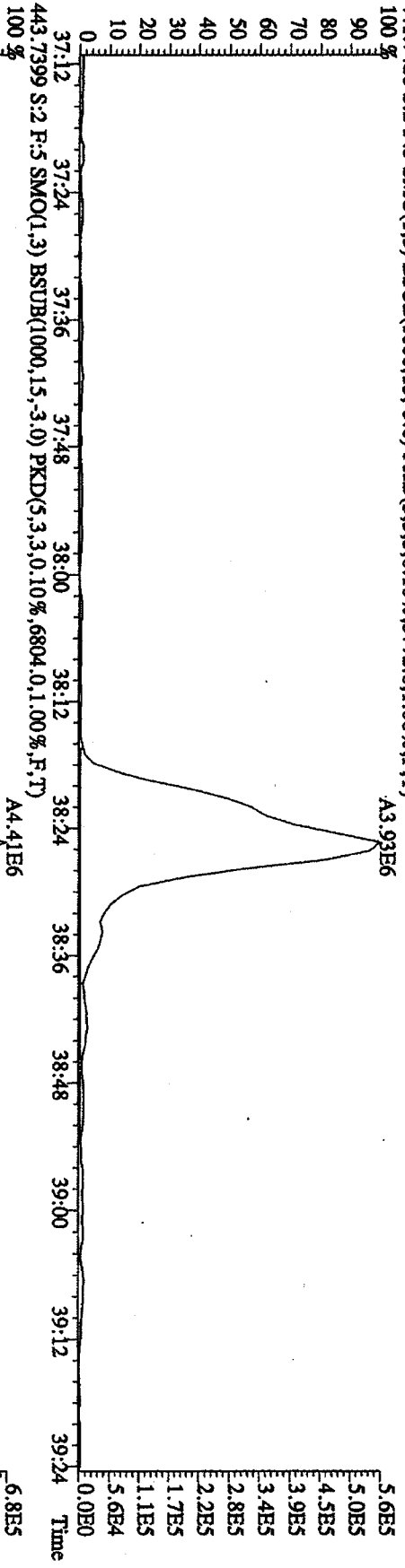
File:31DE09A1D5 #1-228 Acq: 1.JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7184,0,1,00%,F,T)
 100 % A3.24E6



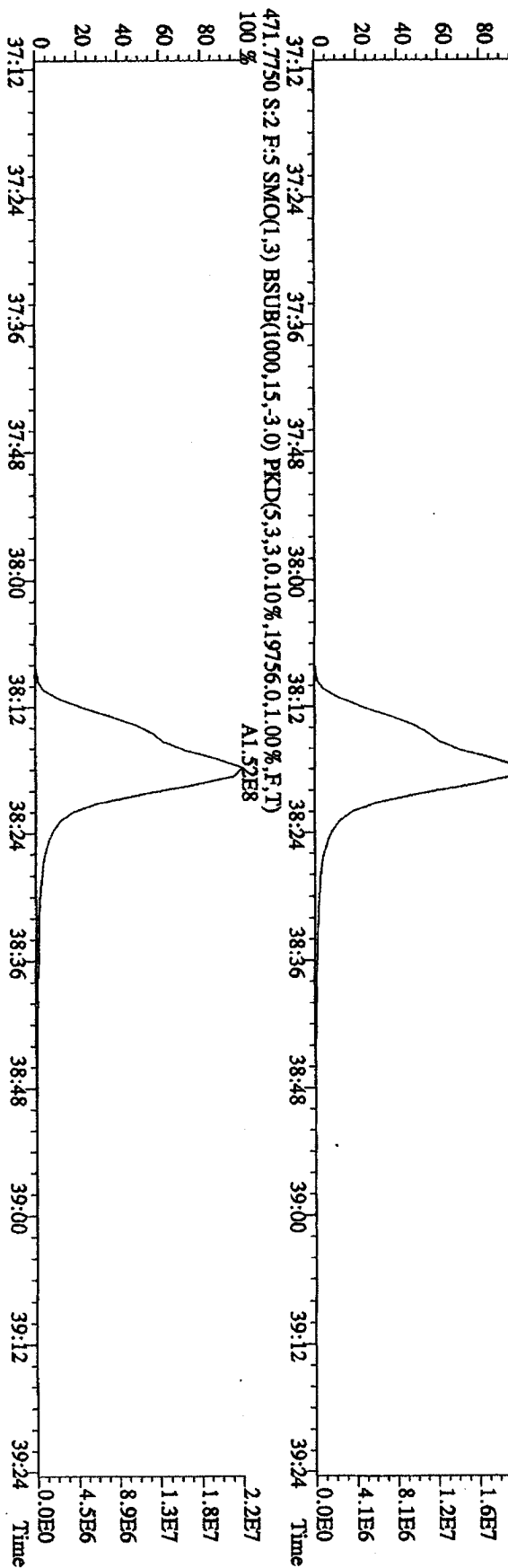
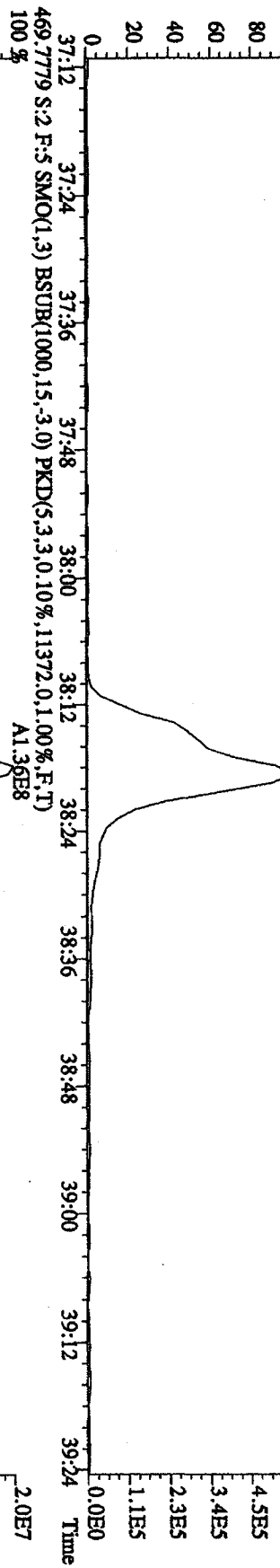
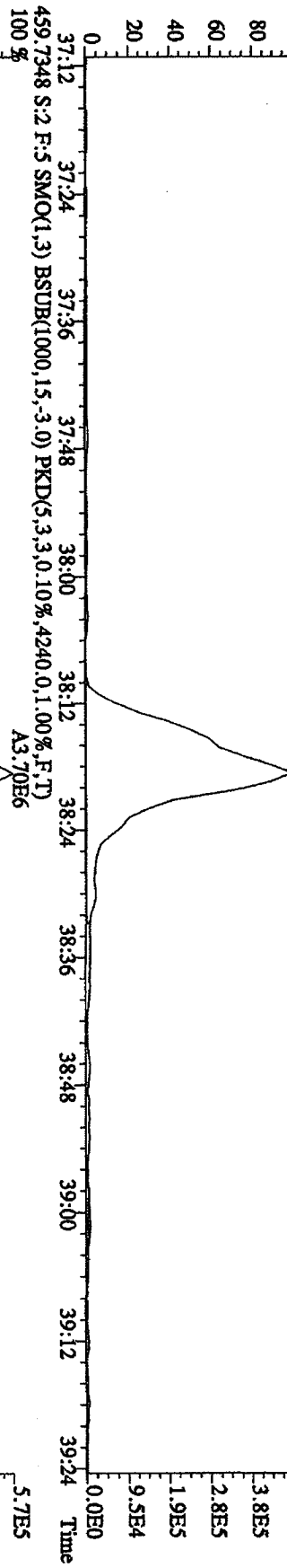
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468,0.1,00%,F,T)
 100 % A2.07E6



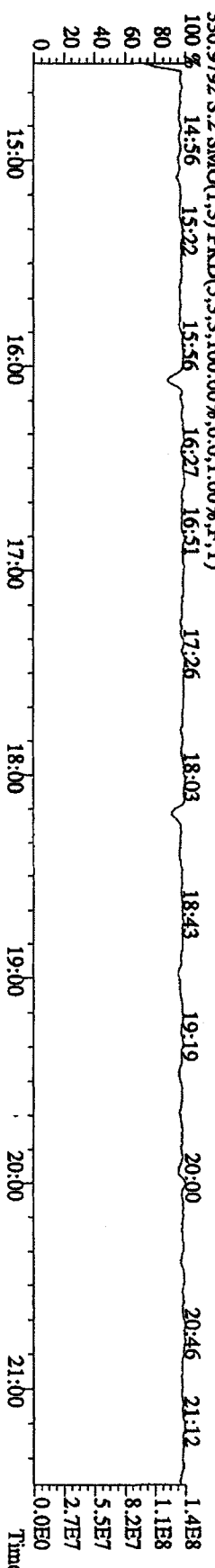
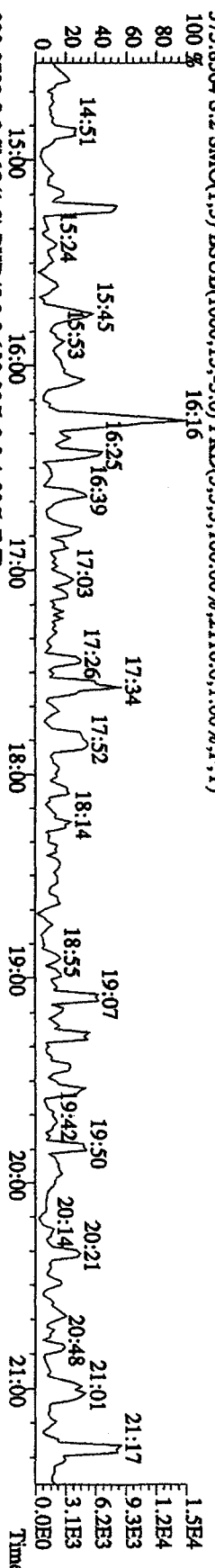
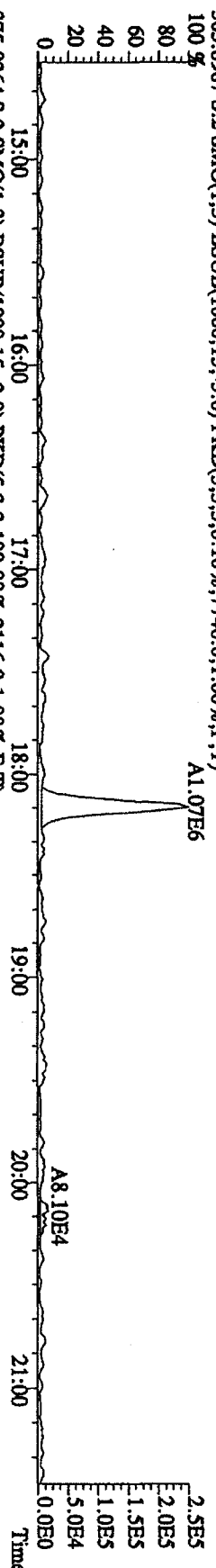
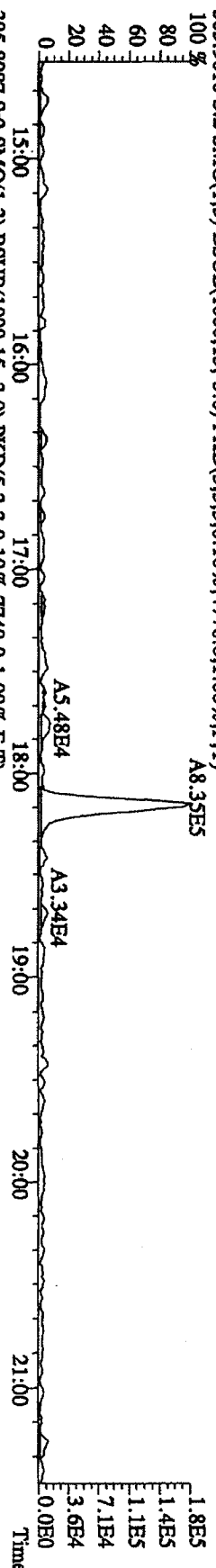
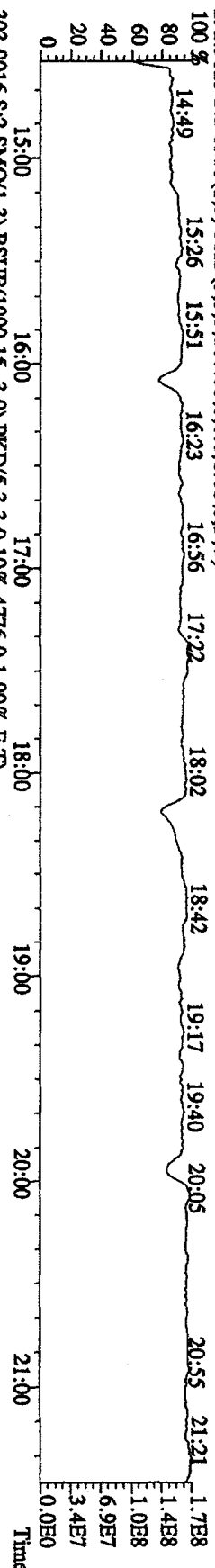
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 441.7428 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



File:31DB09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2760,0,1,00%,F,T)
 100 % A3.25E6

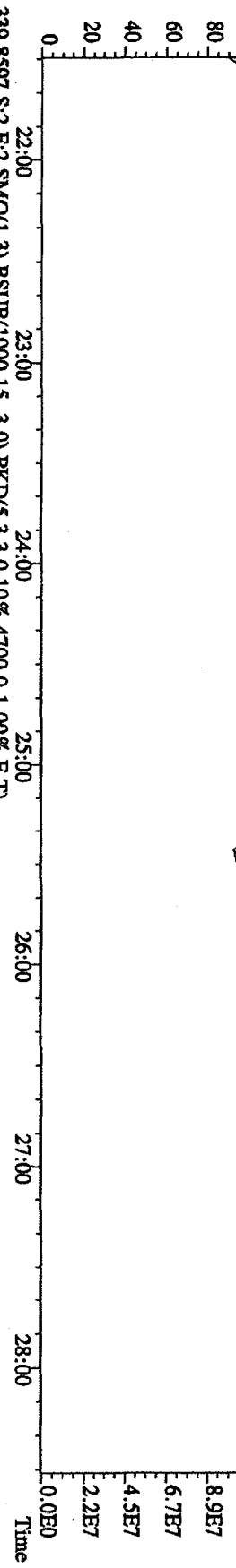


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXM422 Exp:DIOXIN

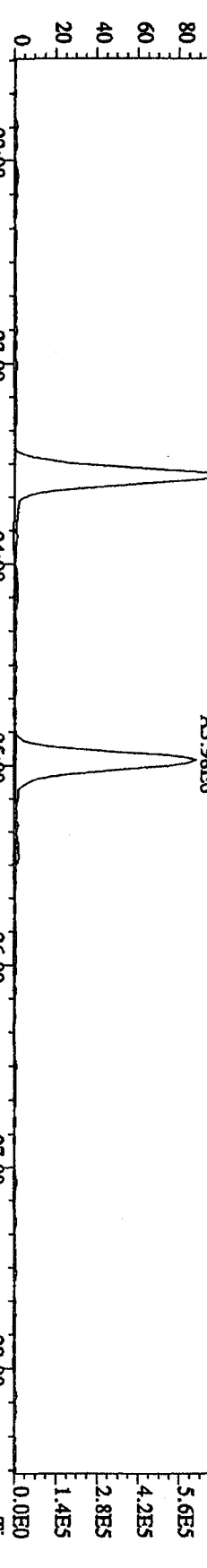


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DDXN422 Exp:DI0XIN

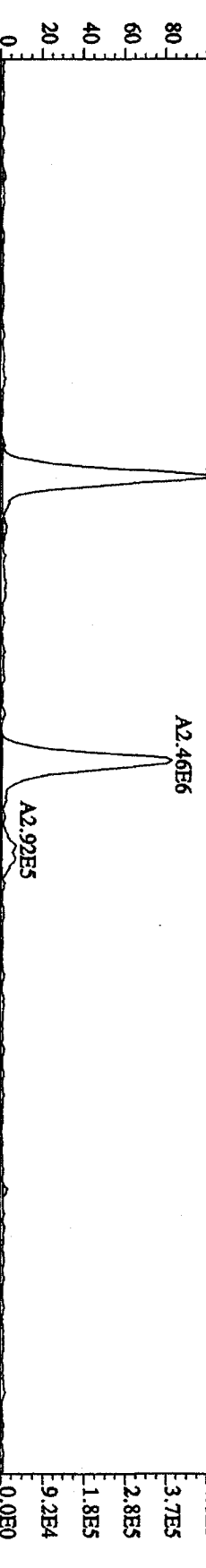
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 21:47 22:18 23:03 23:37 24:00 24:22 24:46 25:18 25:39 26:02 26:41 27:17 27:53



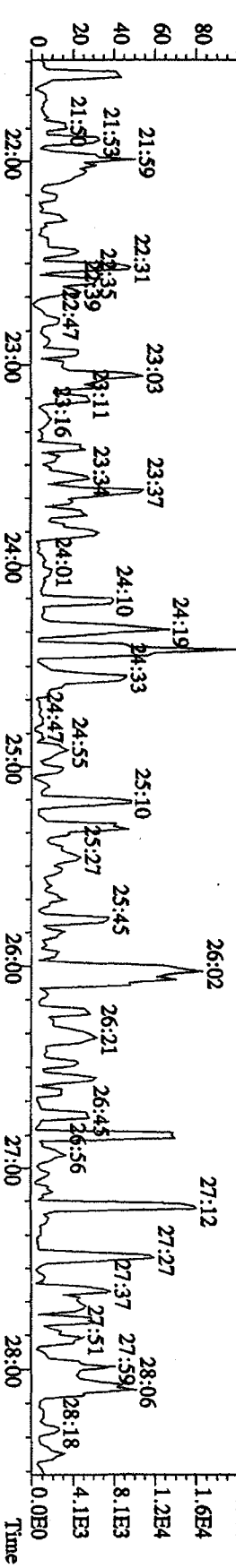
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4700,0.1,0.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00



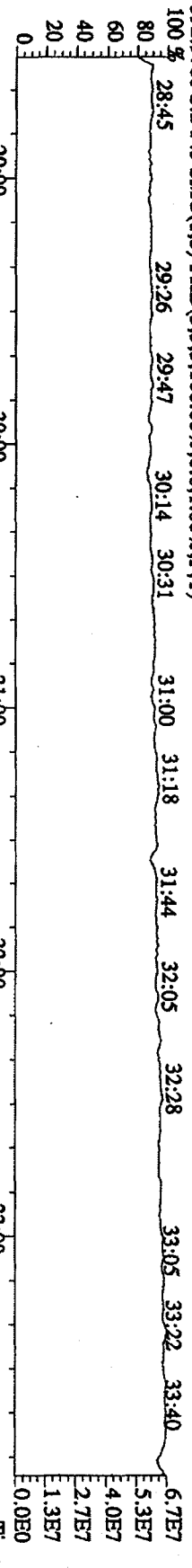
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5860,0.1,0.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00



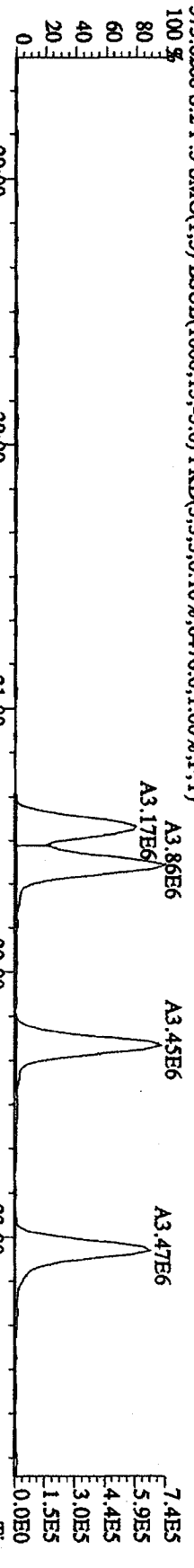
409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1608,0.1,0.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00



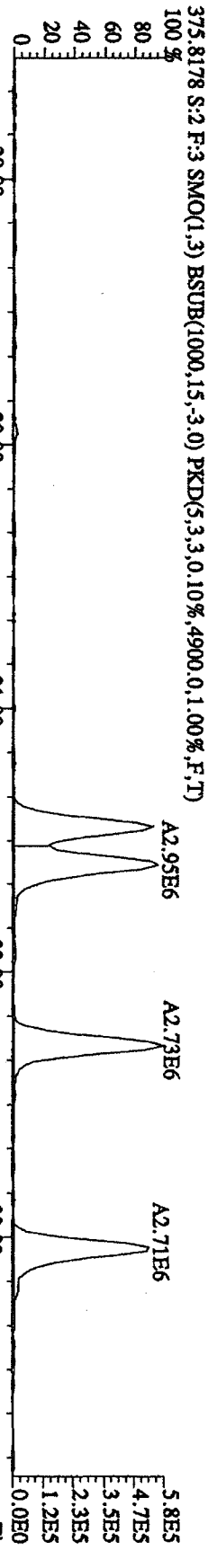
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIQXIN
 392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 28:45 29:26 29:47 30:14 30:31 31:00 31:18 31:44 32:05 32:28 33:05 33:22 33:40



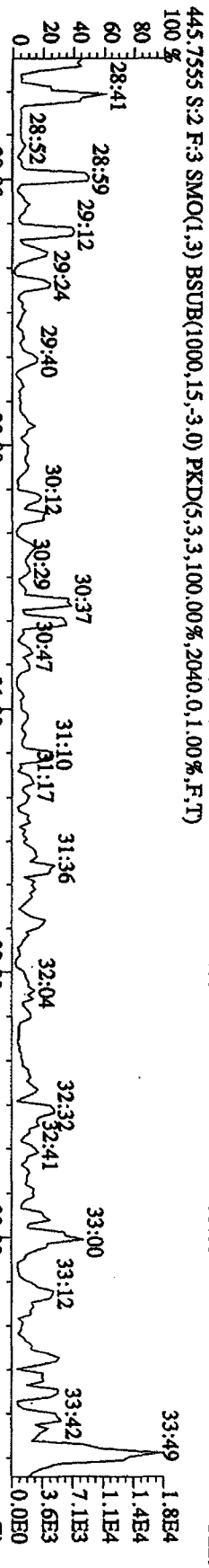
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6476,0.1,00%,F,T)



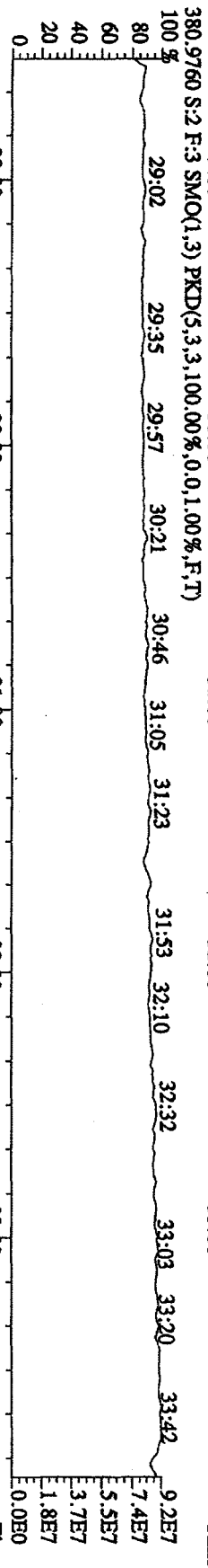
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900,0.1,00%,F,T)



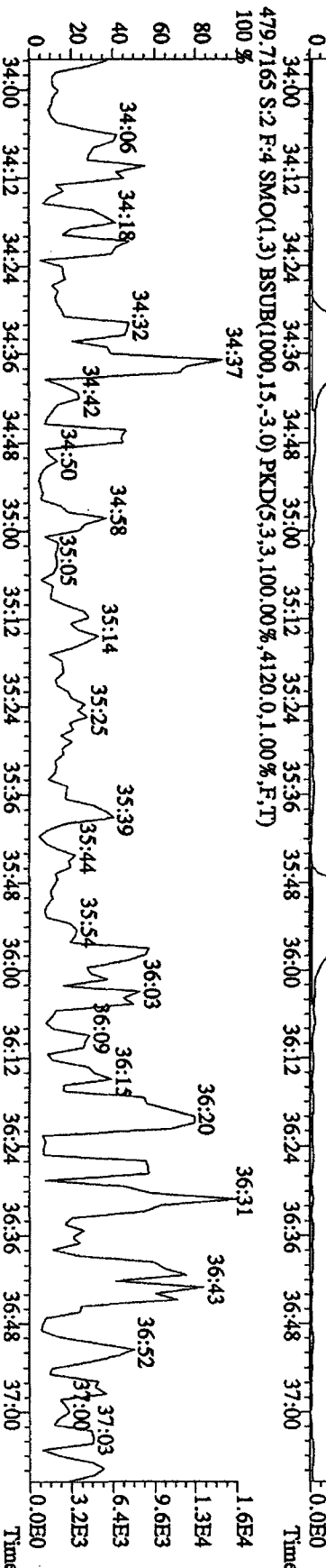
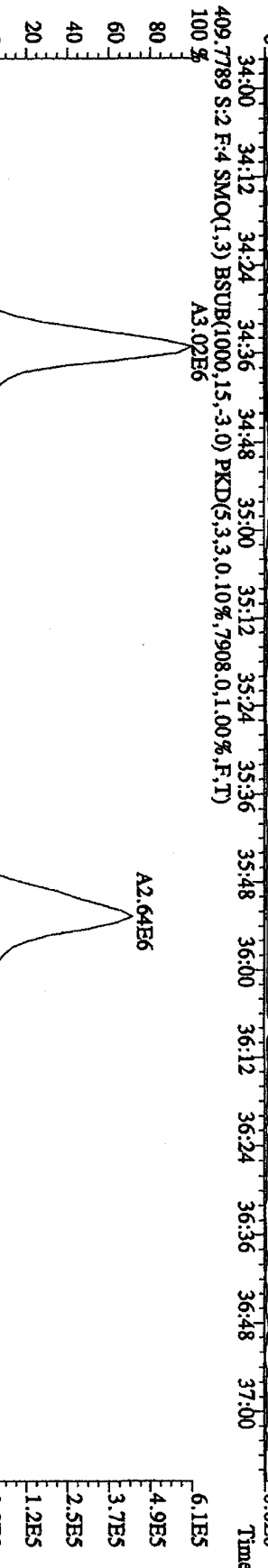
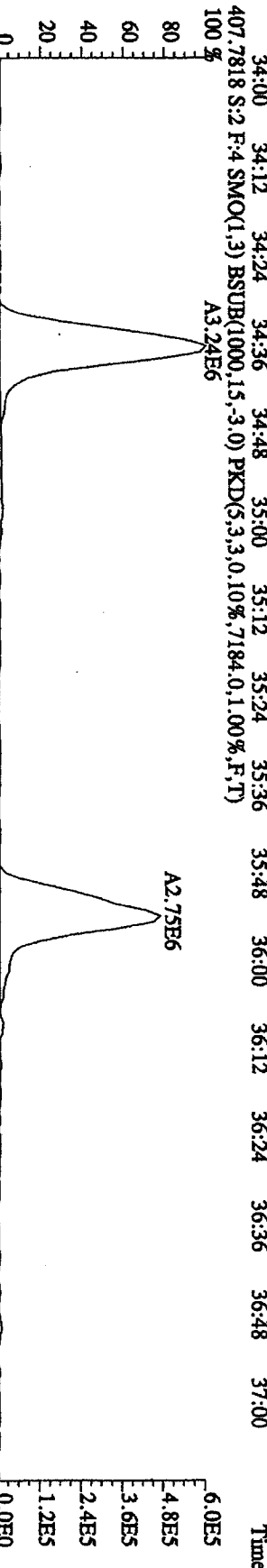
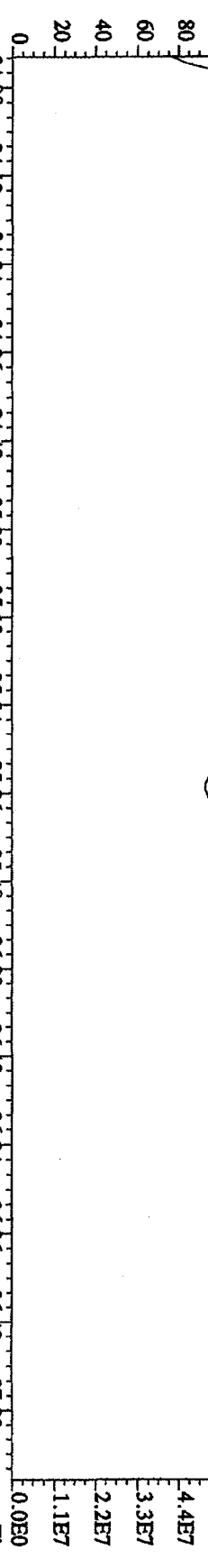
445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2040,0.1,00%,F,T)



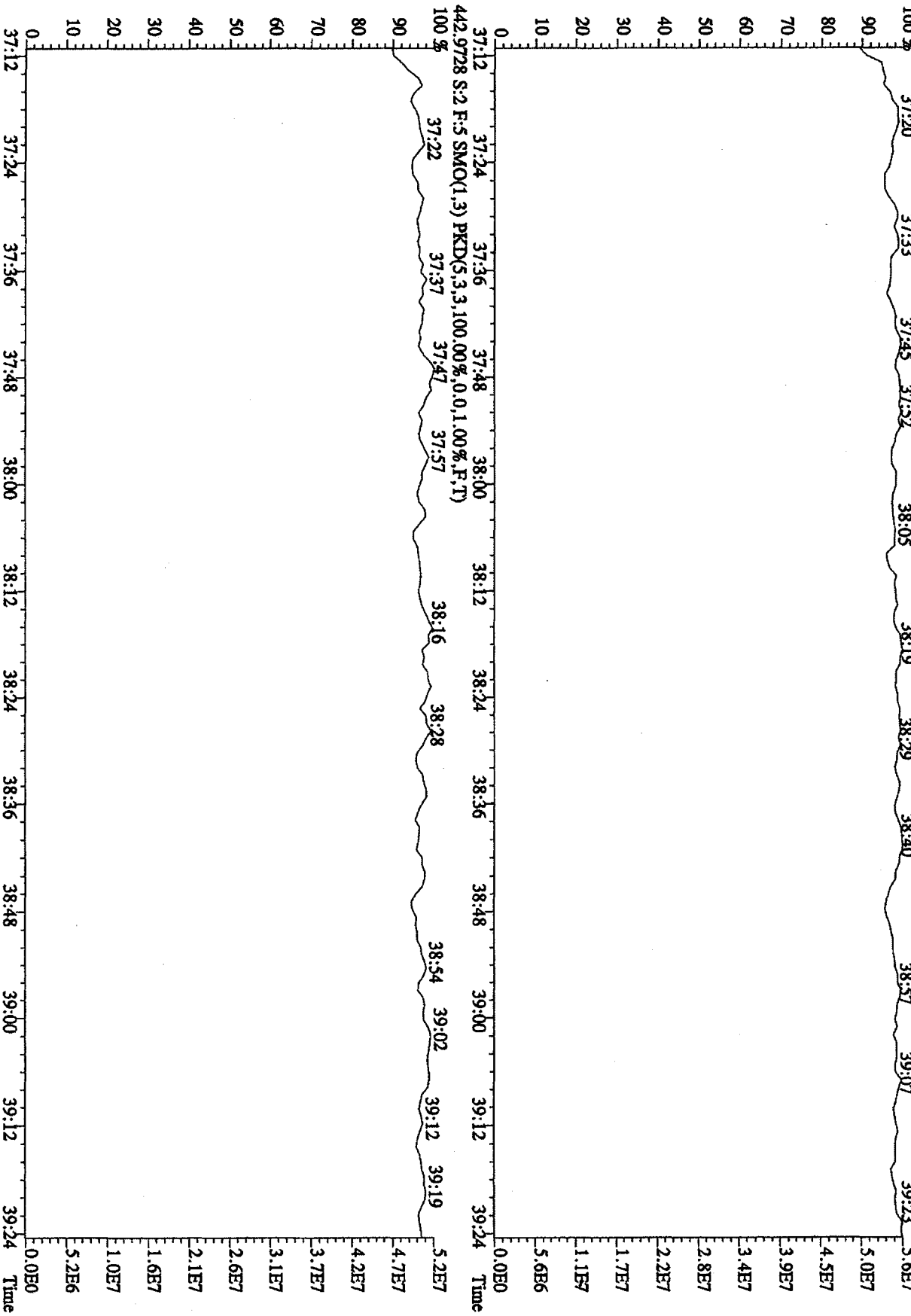
380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



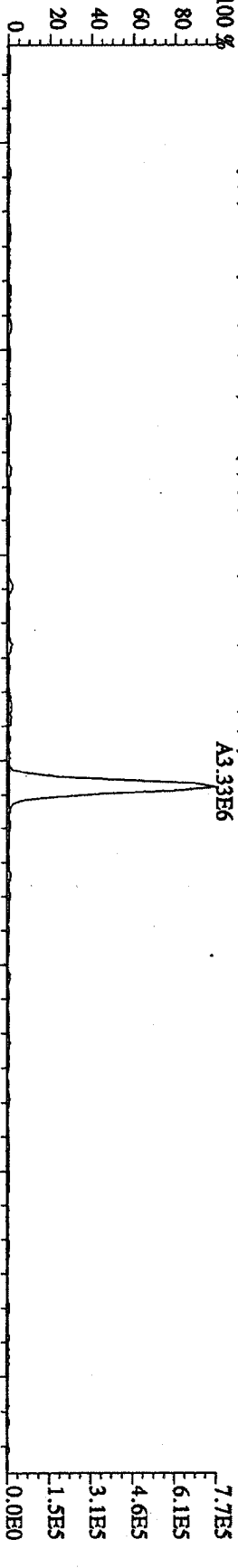
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:20 37:33 37:45 37:52 38:05 38:19 38:29 38:40 38:57 39:07 39:23 5.6E7



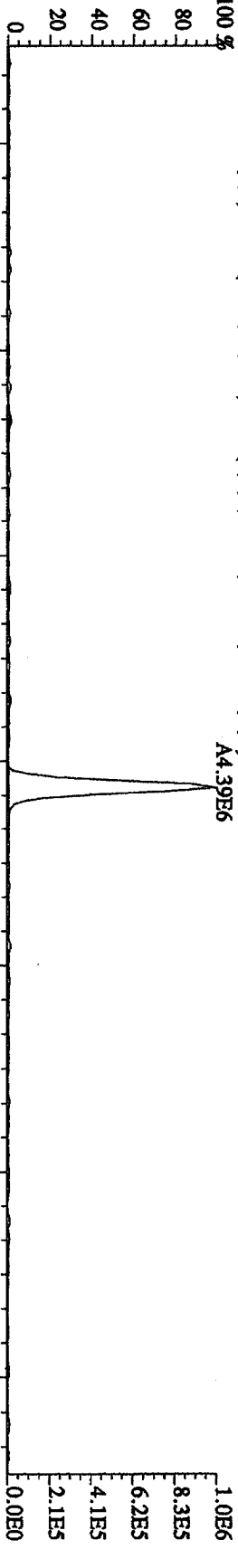
File:3IDE09AID5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2.09DXN423 Exp:DIOXIN

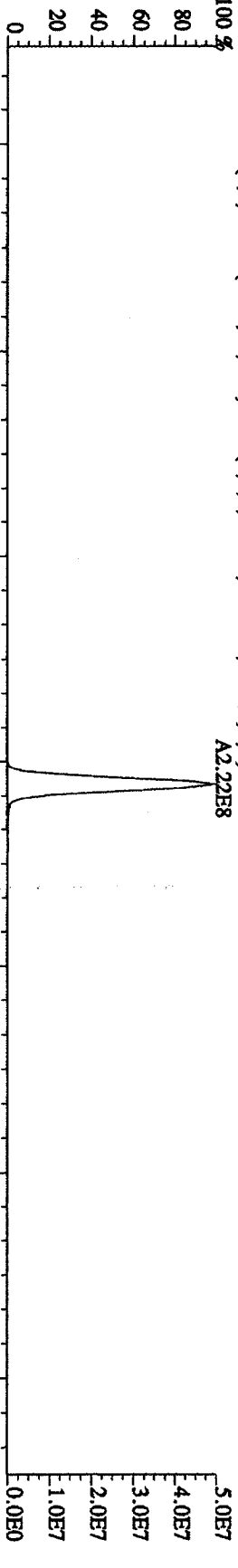
303.9016 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,5052.0,1.00%,F,T) 100% A3.33E6



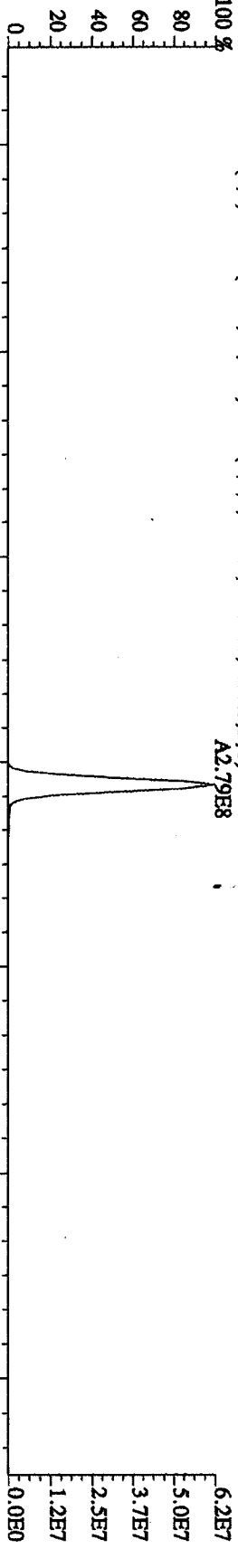
305.8987 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,6856.0,1.00%,F,T) 100% A4.39E6



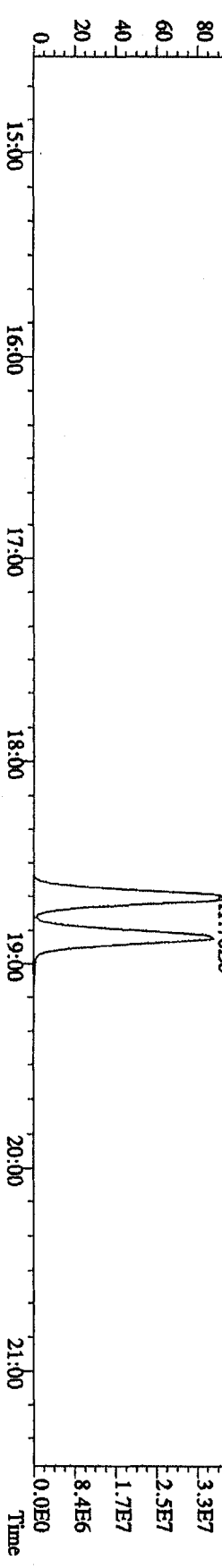
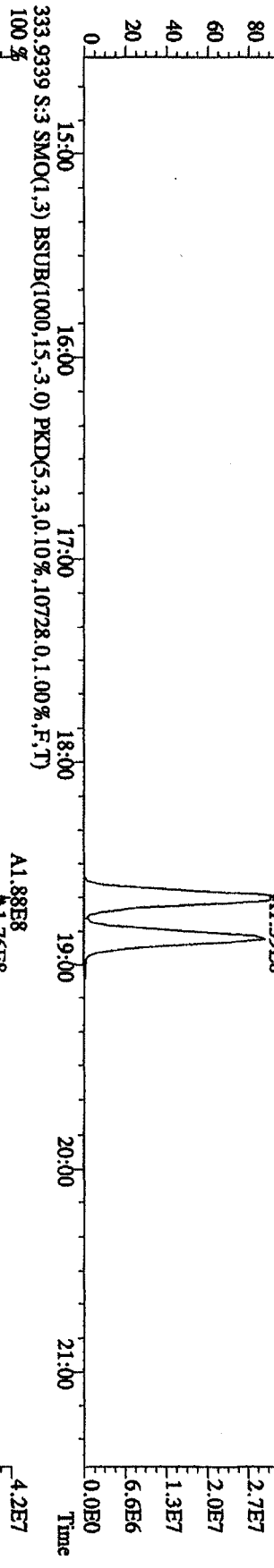
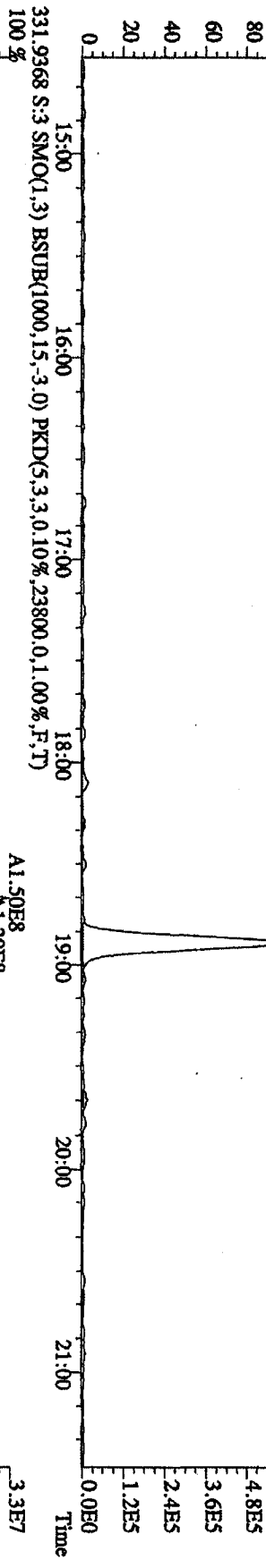
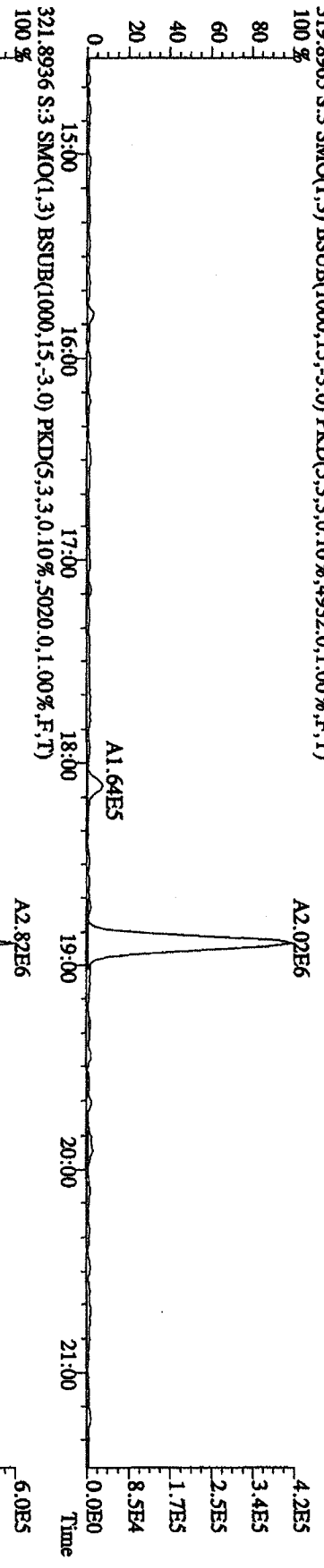
315.9419 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,15604.0,1.00%,F,T) 100% A2.22E8



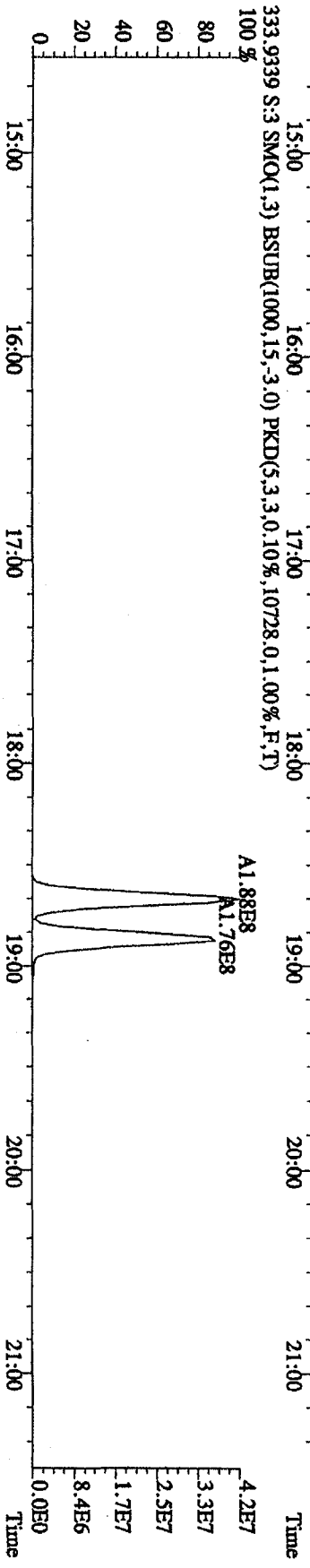
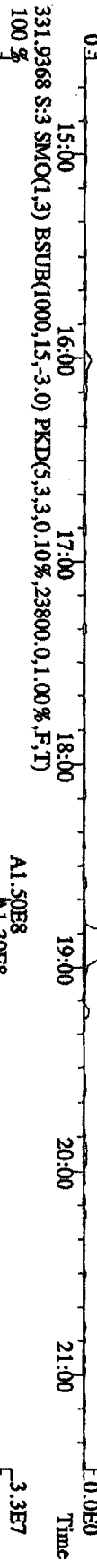
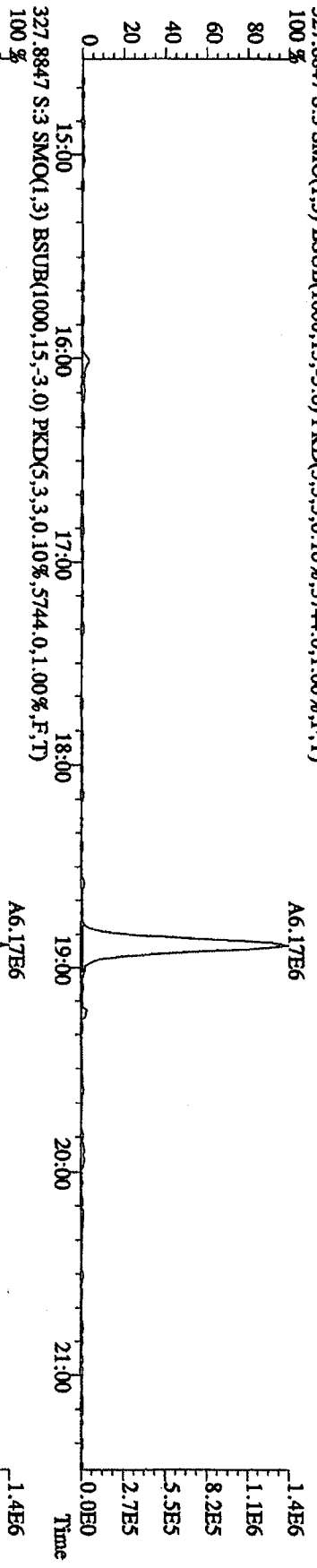
317.9389 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,13492.0,1.00%,F,T) 100% A2.79E8



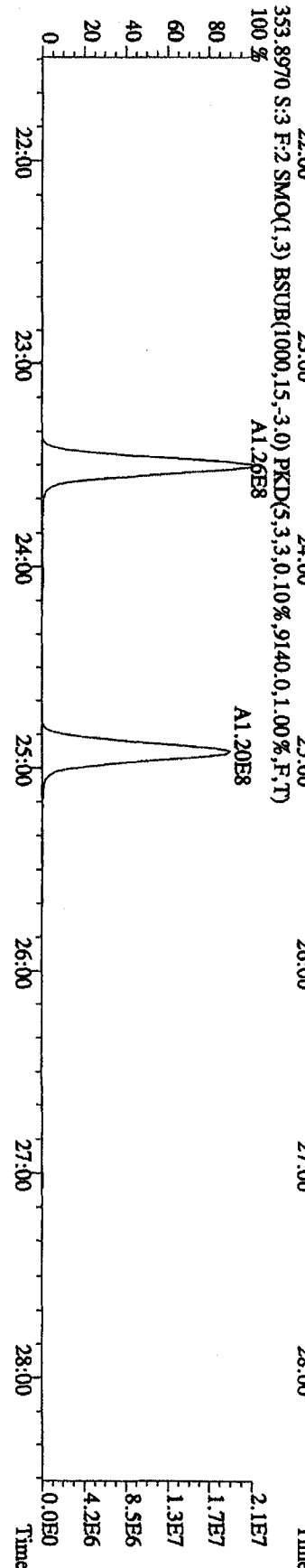
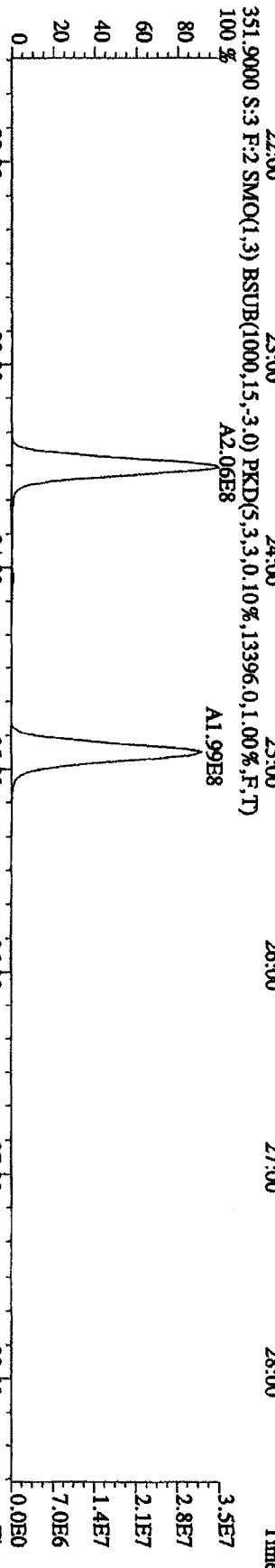
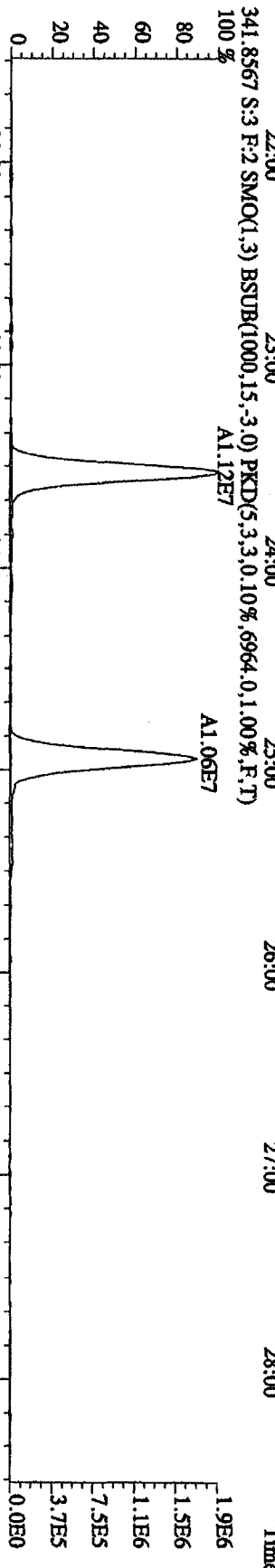
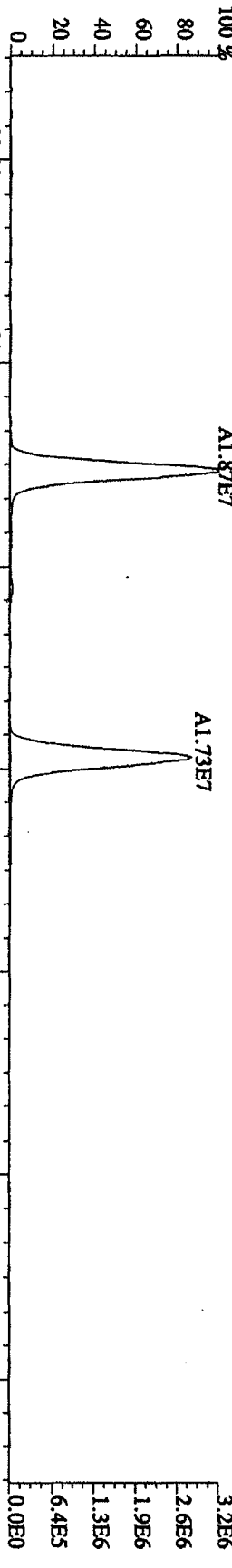
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4932,0,1,00%,F,T)
 100 %



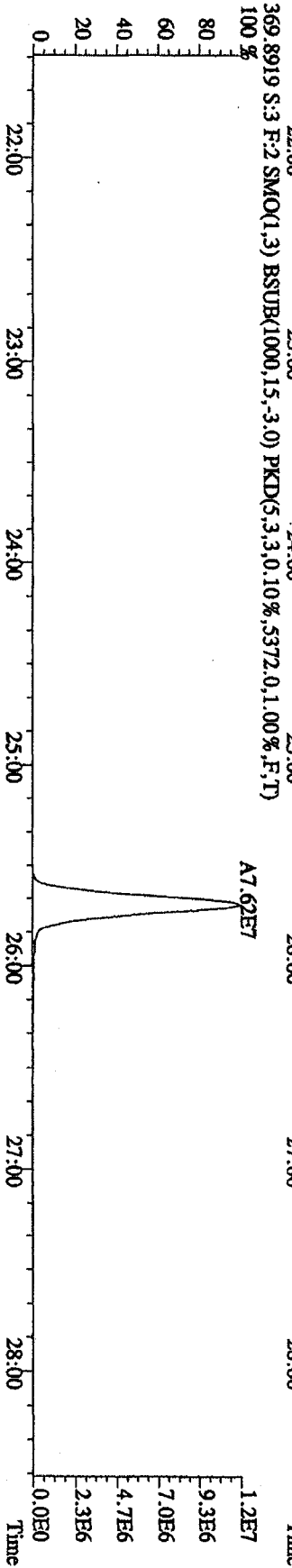
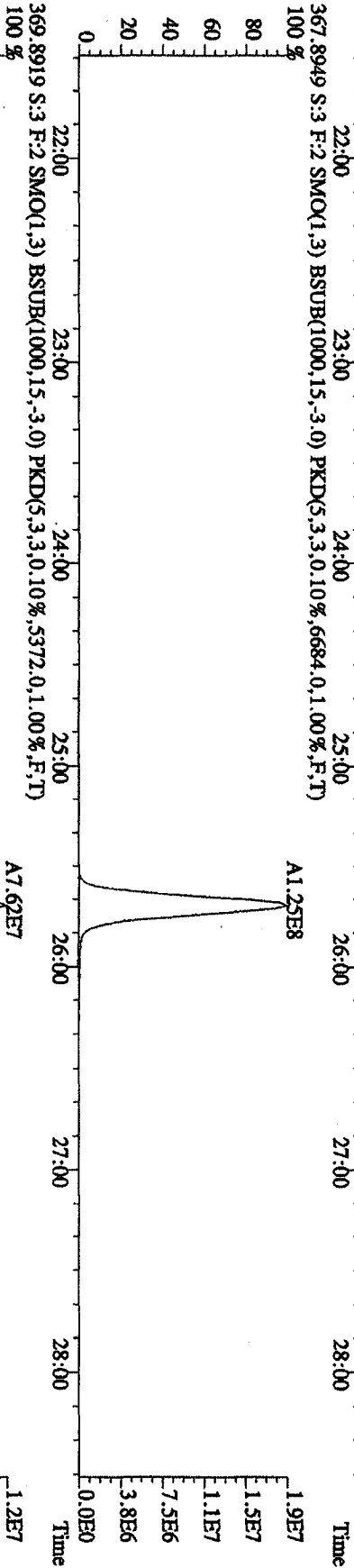
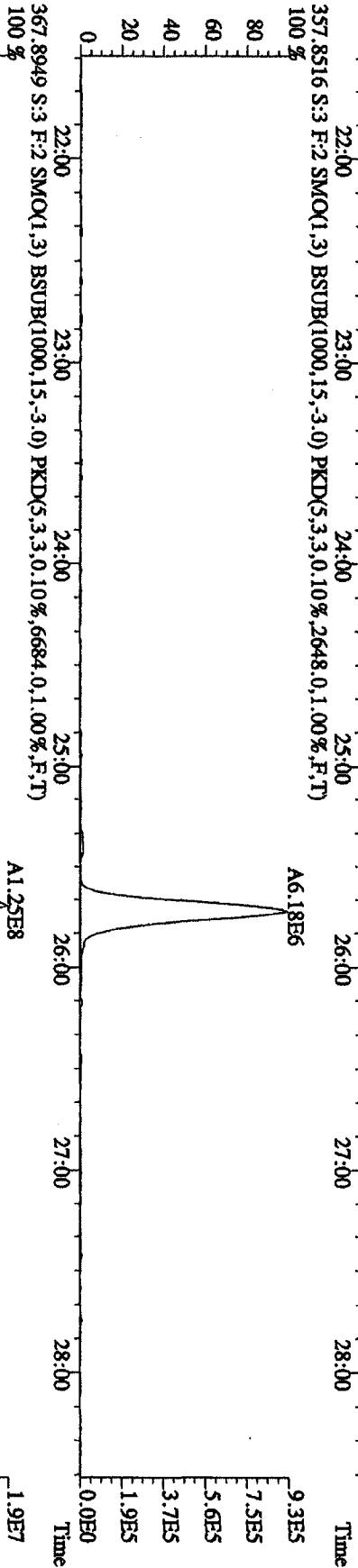
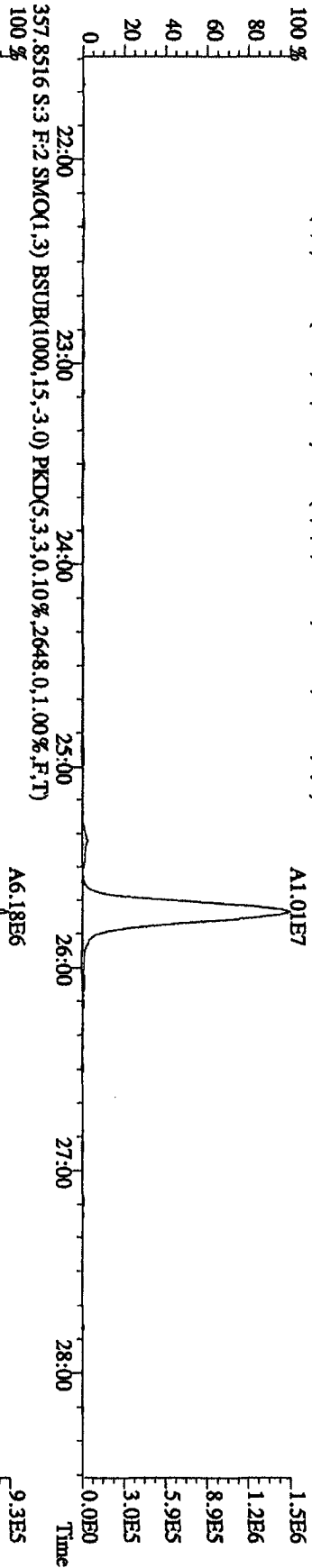
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,5744.0,1.00%,F,T)



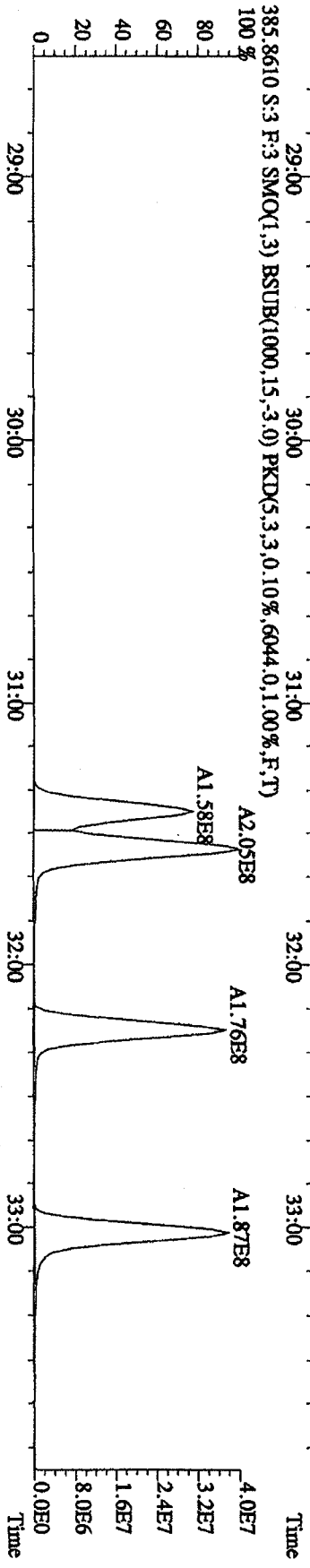
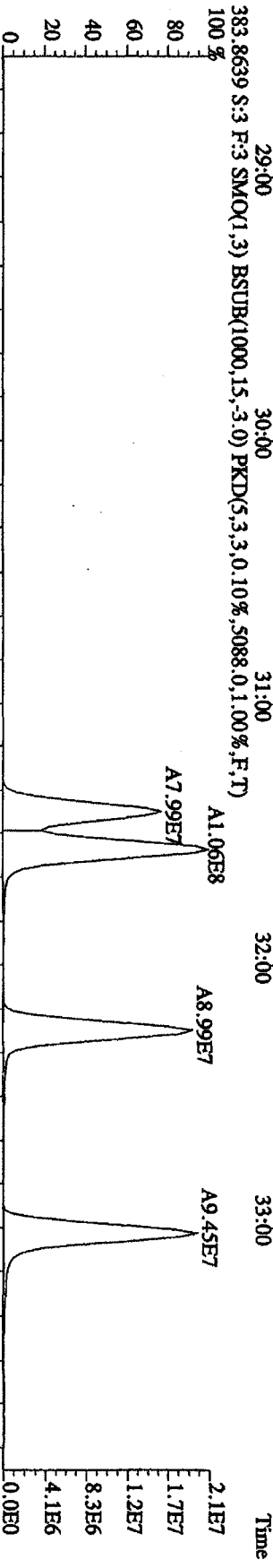
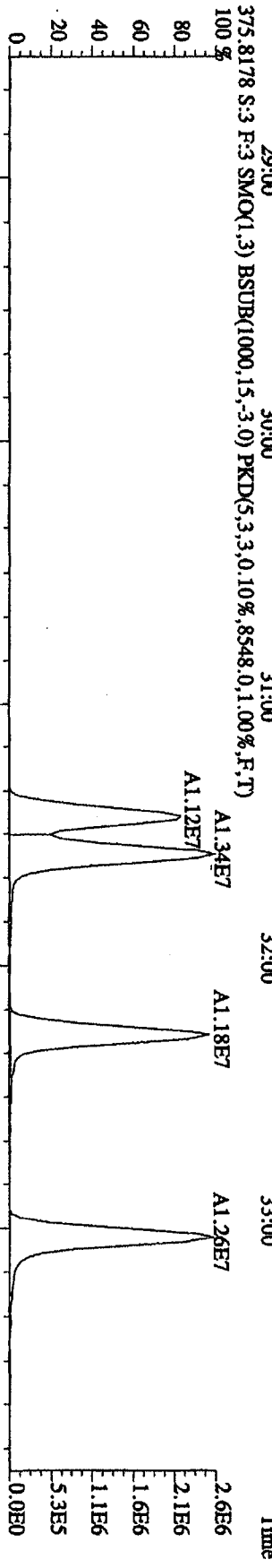
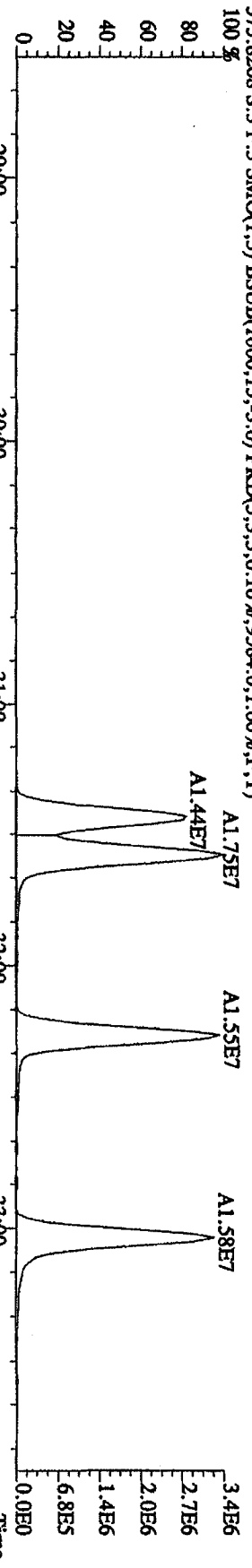
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.5496,0,1,00%,F,T)
 100 % A1.87E7



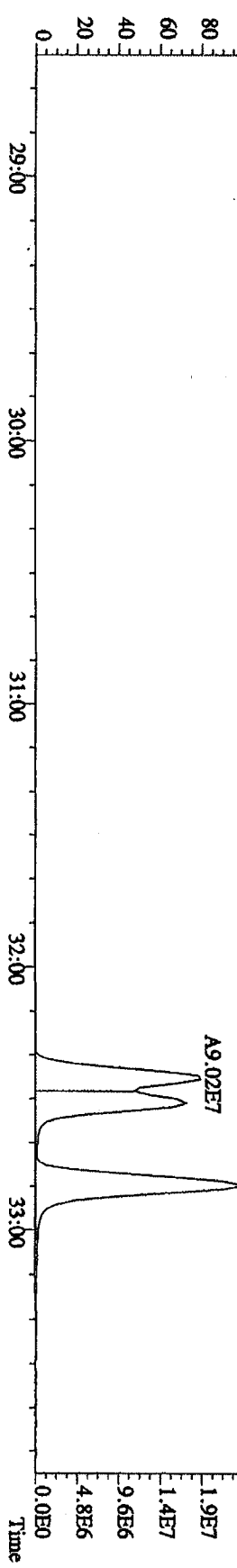
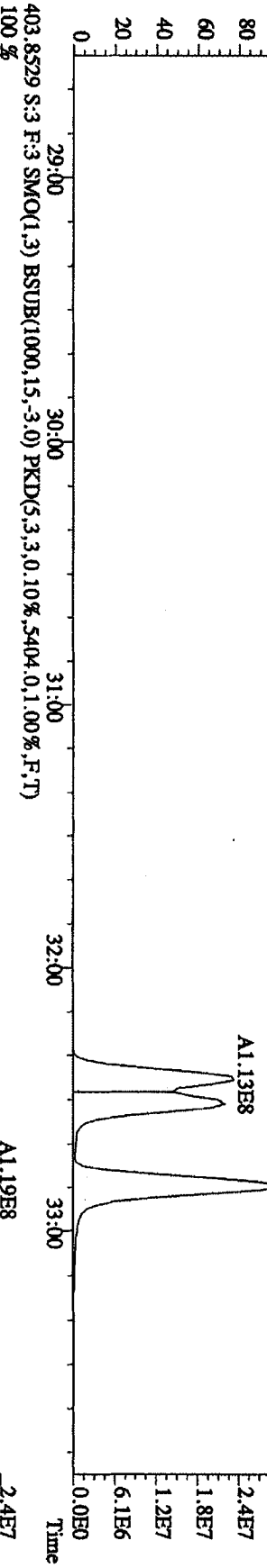
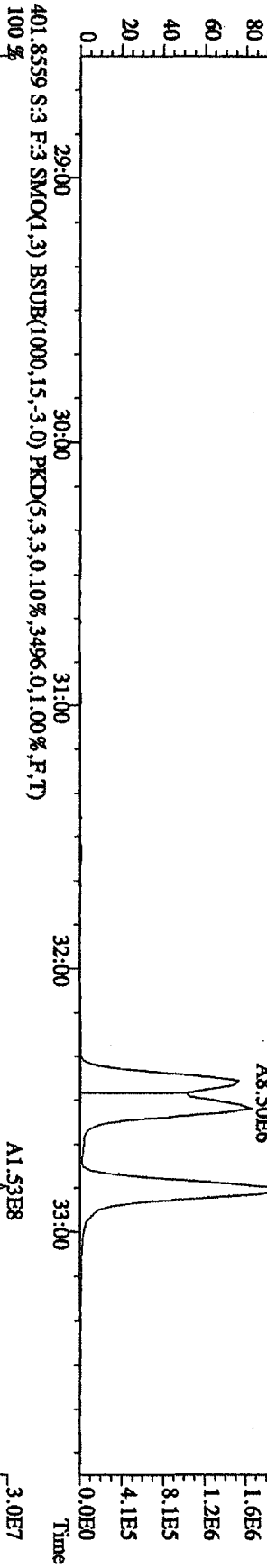
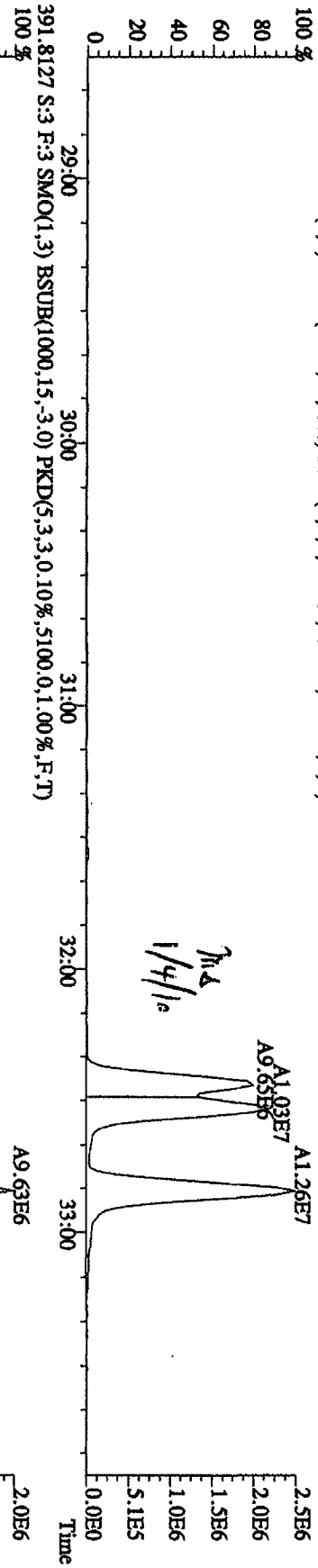
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316,0.1,00%,F,T)
 100 %



File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9584,0,1,00%,F,T)



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)
 100%

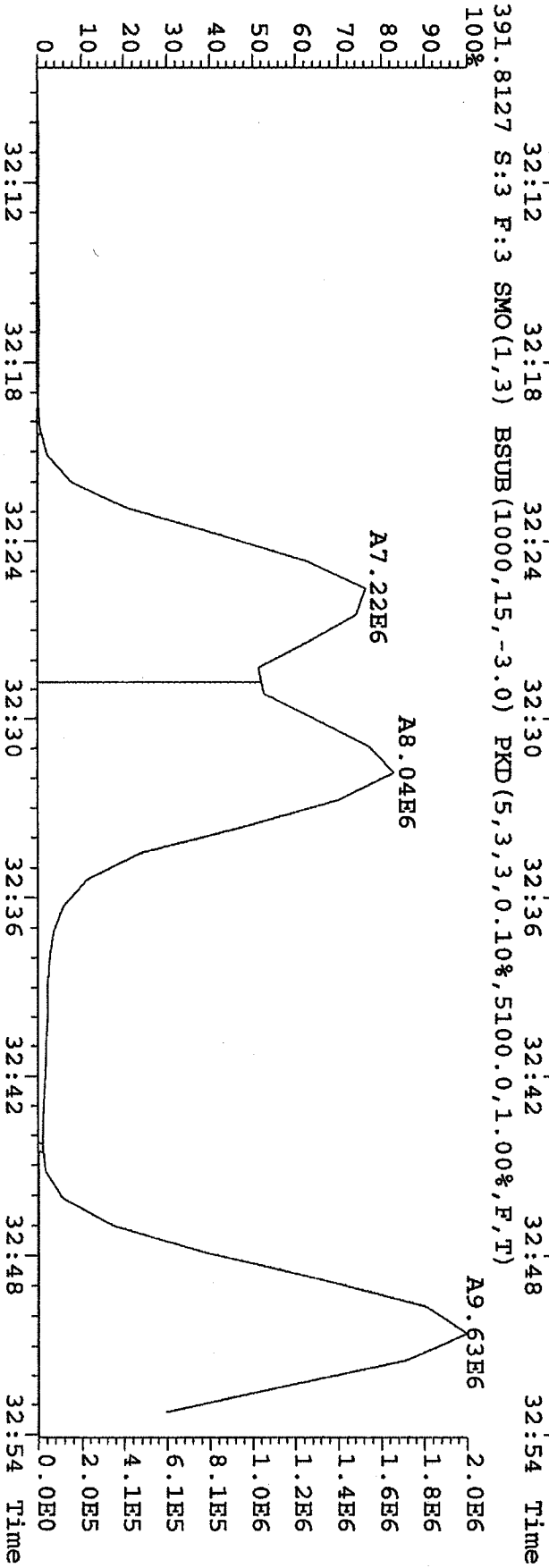
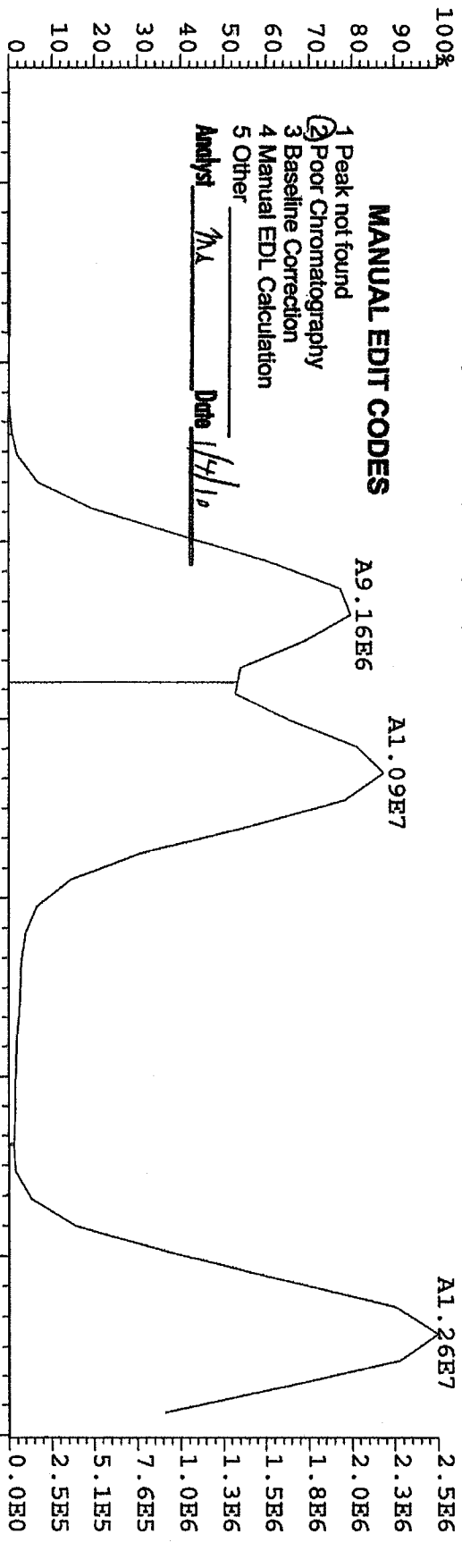


File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text: ST1231C : CS-2 09DXN423 Exp: DIOXIN
 389.8157 S: 3 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)

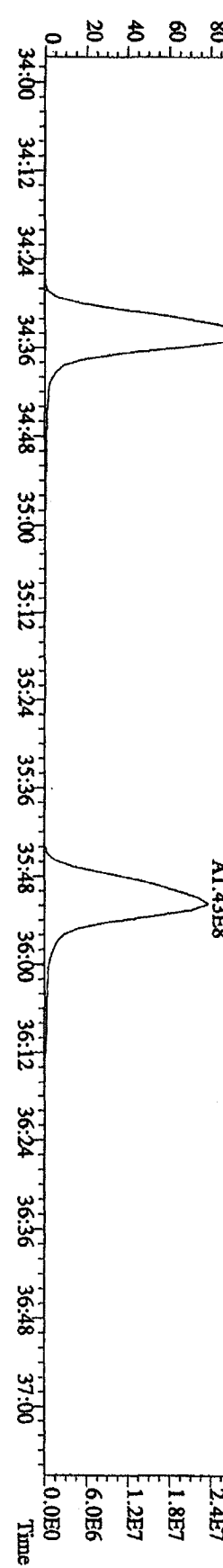
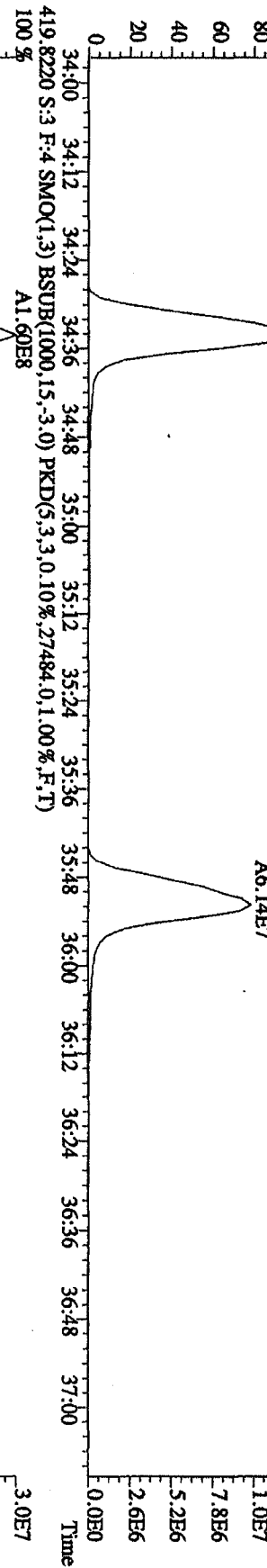
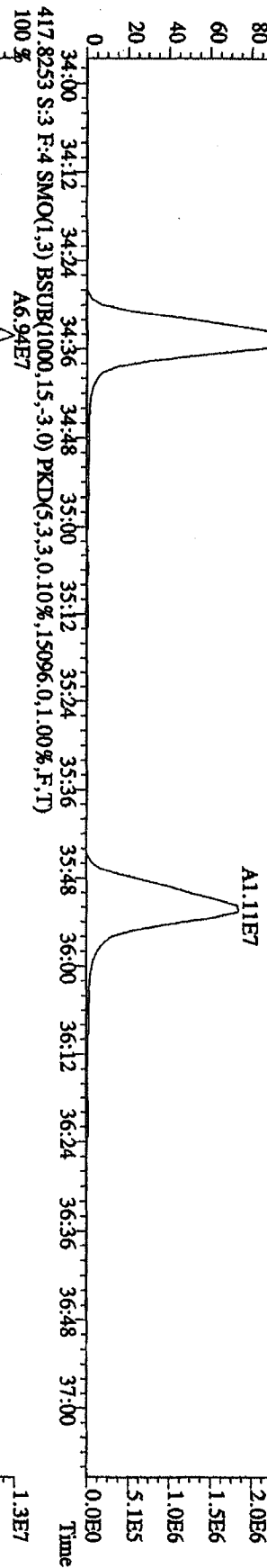
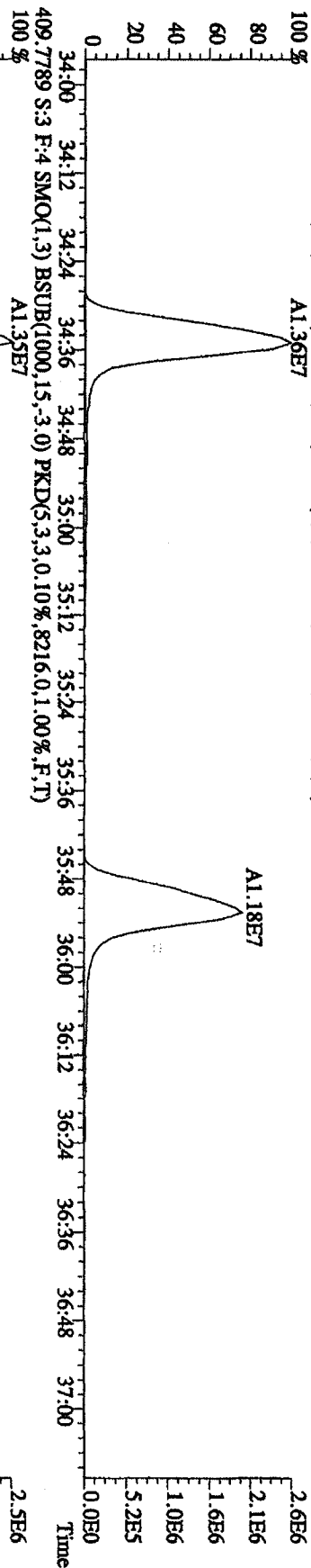
MANUAL EDIT CODES

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

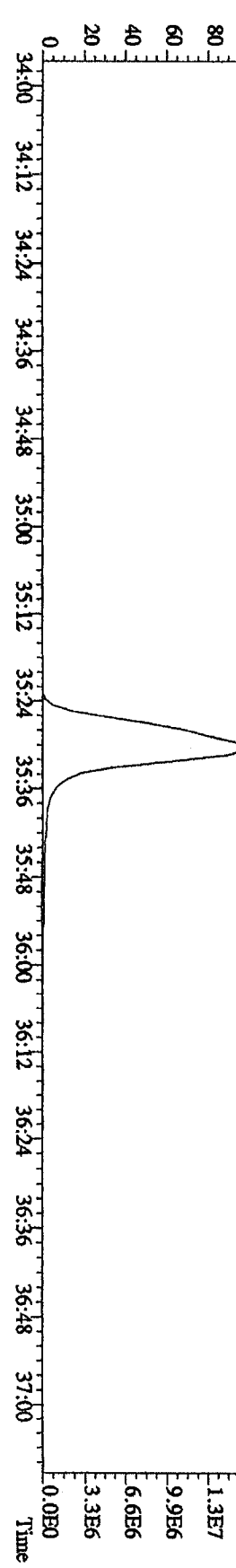
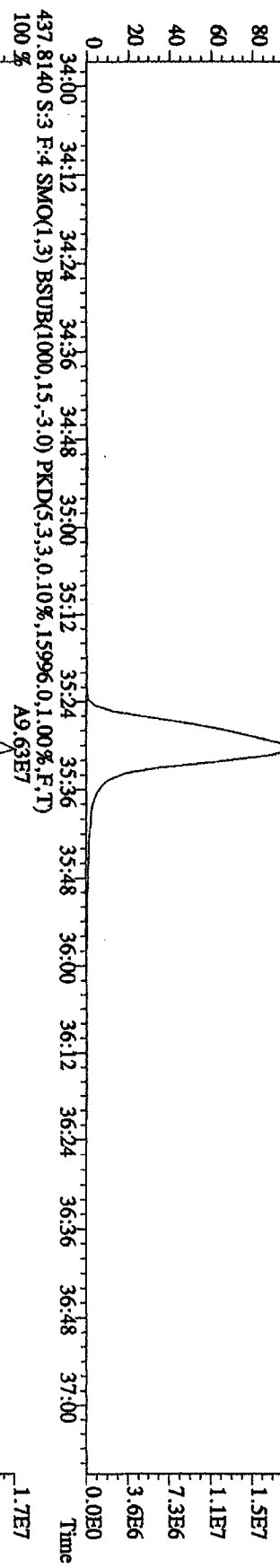
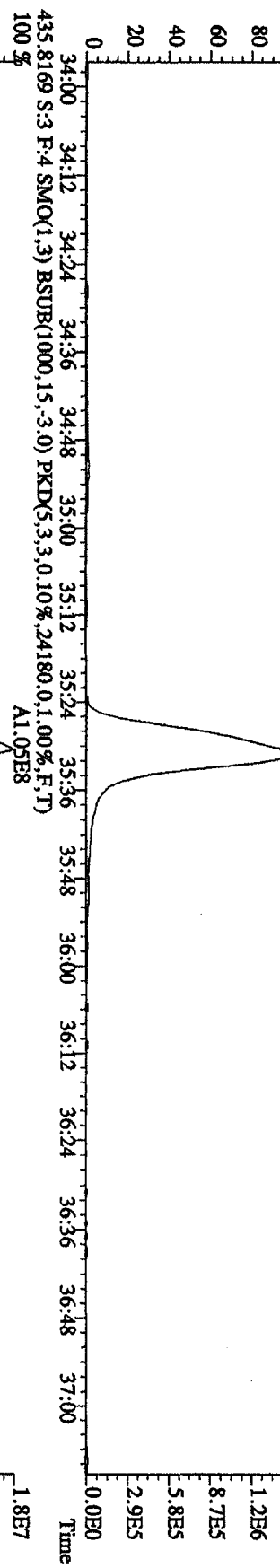
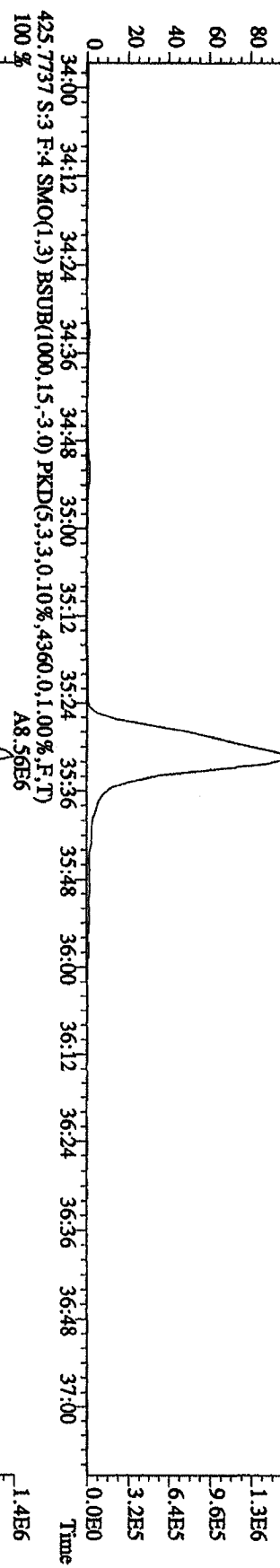
Analyst NA Date 1/7/10



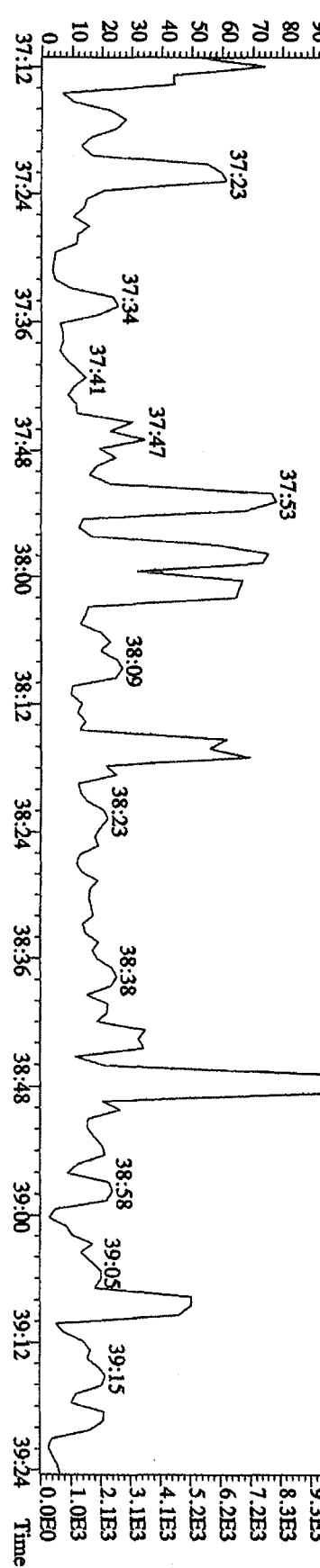
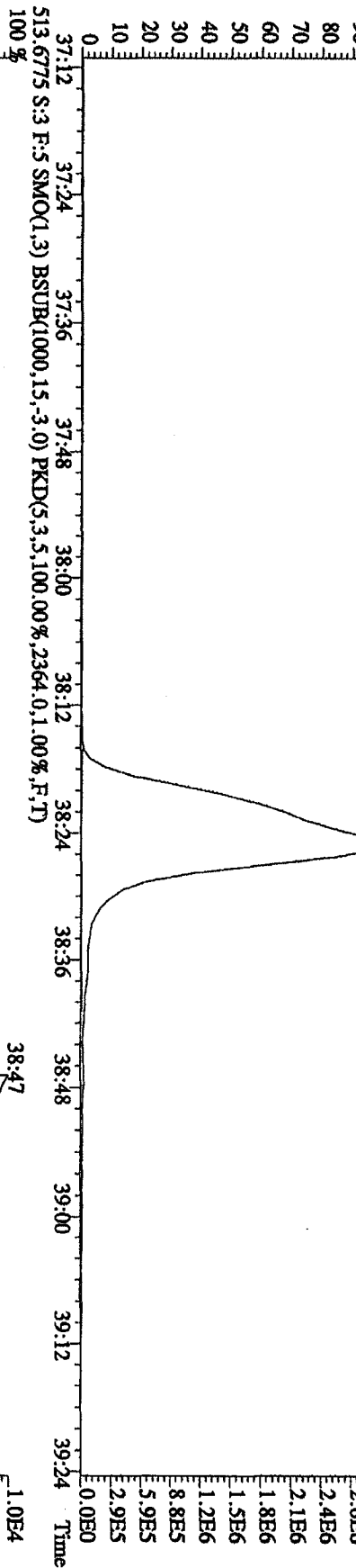
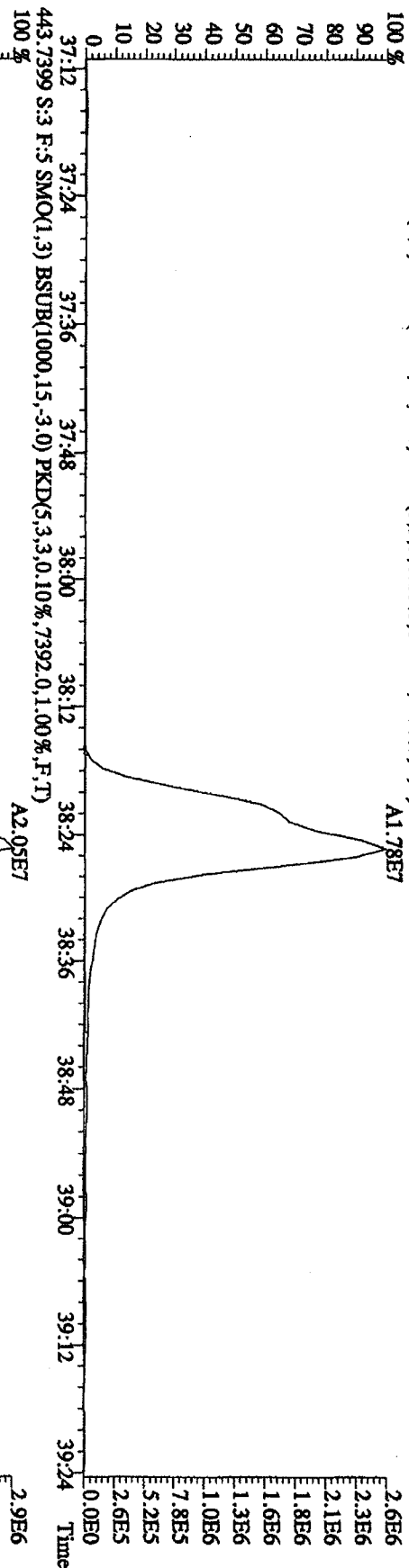
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 407.7818 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7212.0,1.00%,F,T)



File:31DE09AIDS #1-227 Acq: 1-JAN-2010 00:50:55 GC EI + Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 423.7737 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.3908,0,1,00%,F,T)
 100 % A9.17E6



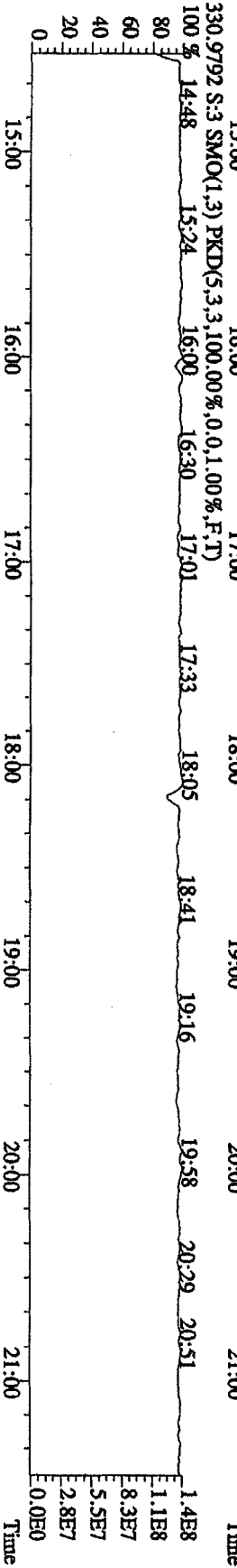
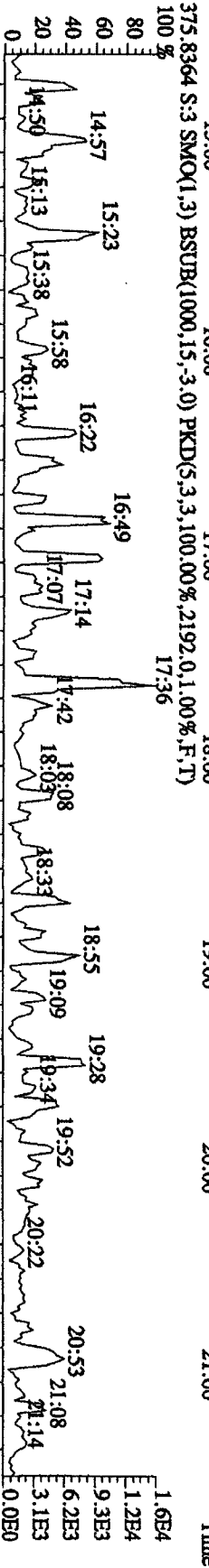
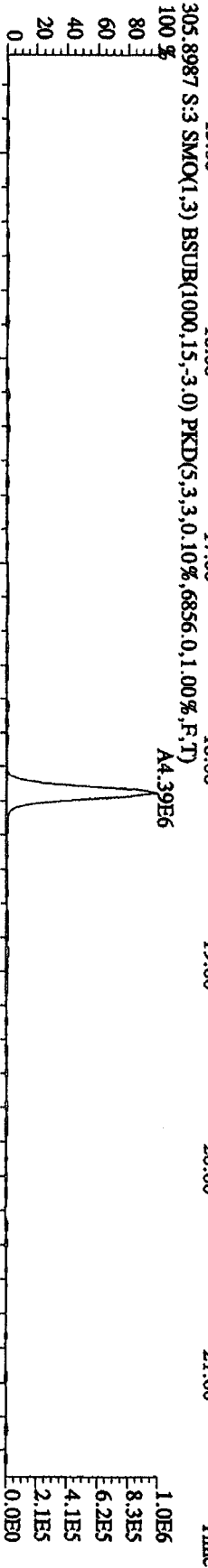
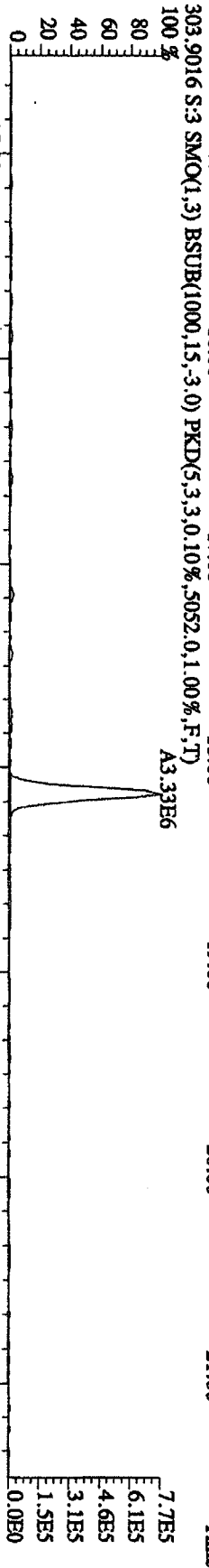
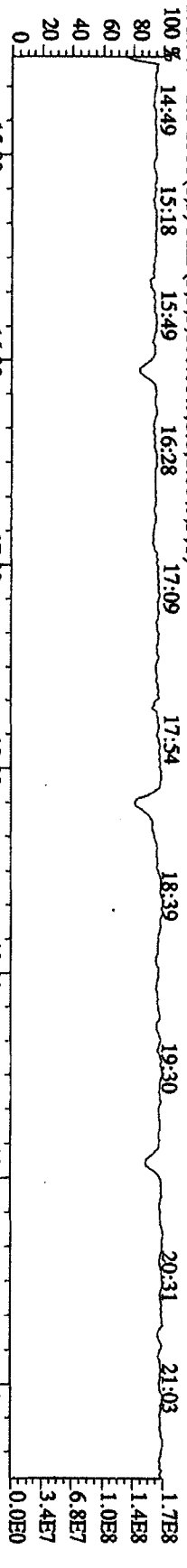
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 441.7428 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,7392.0,1.00%,F,T)



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

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



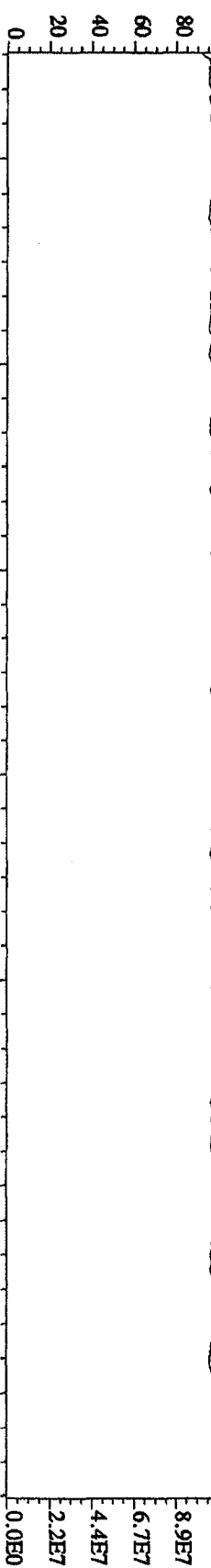
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2.09DXM423

Exp:DIOXIN

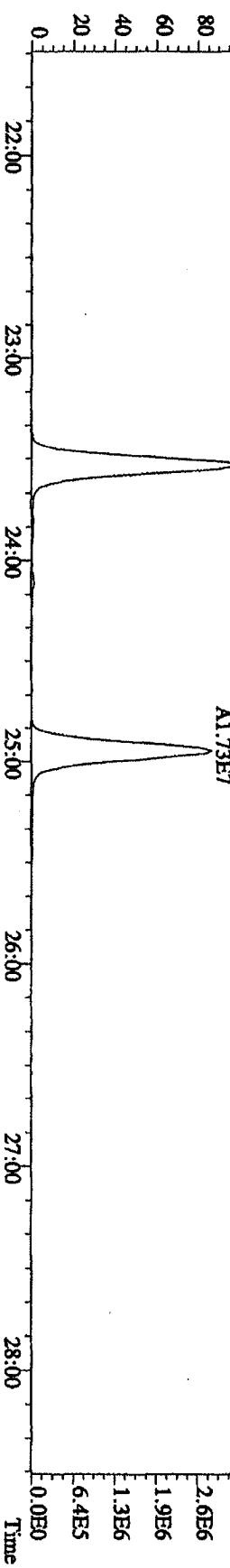
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



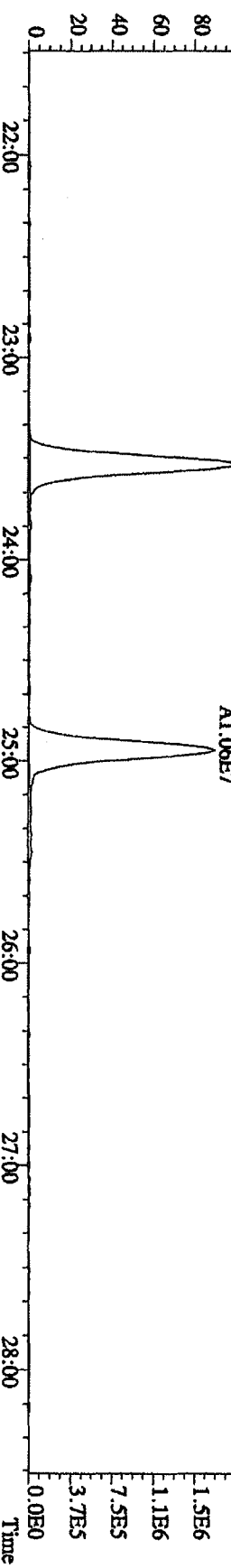
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5496,0,1.00%,F,T)

100 %



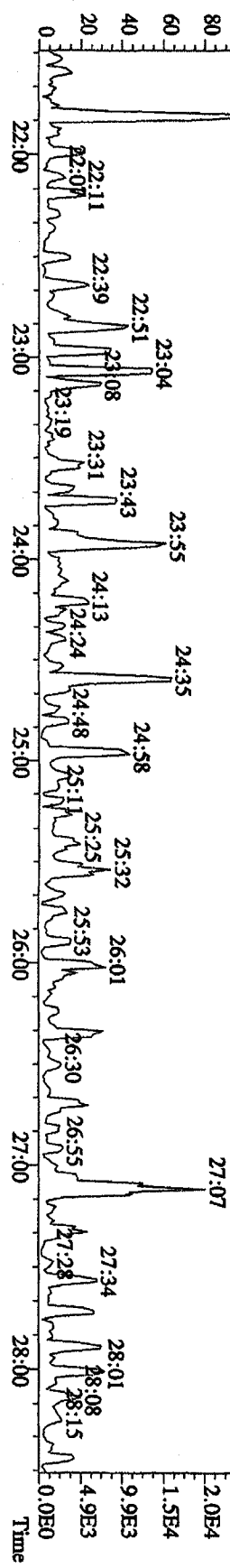
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6964,0,1.00%,F,T)

100 %



409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1524,0,1.00%,F,T)

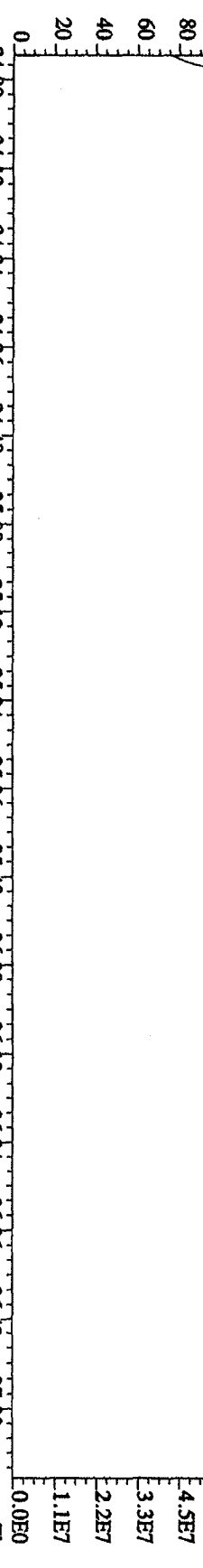
100 %



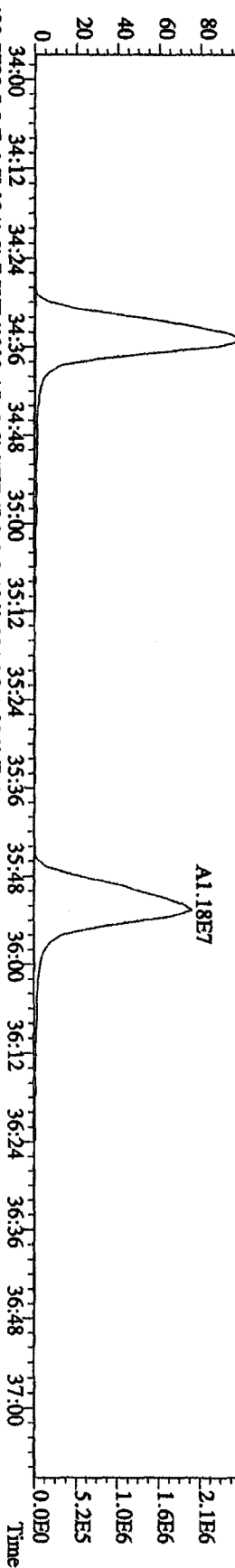
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

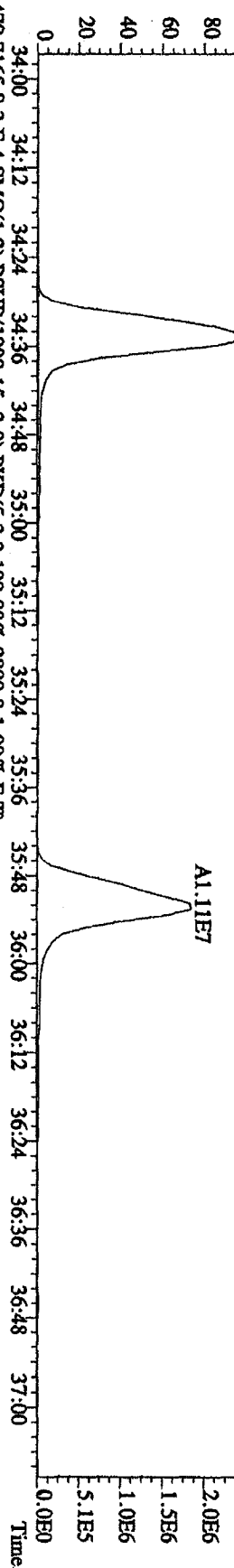
430.9728 S:3 F:4 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)



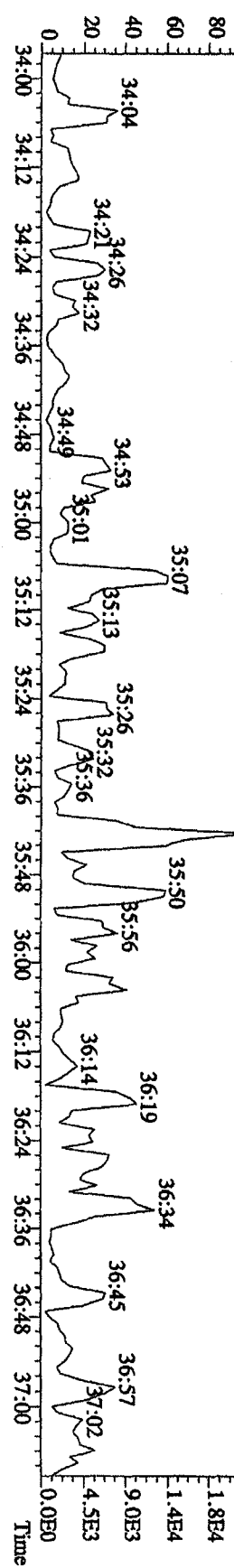
407.7818 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7212.0,1.00%,F,T)



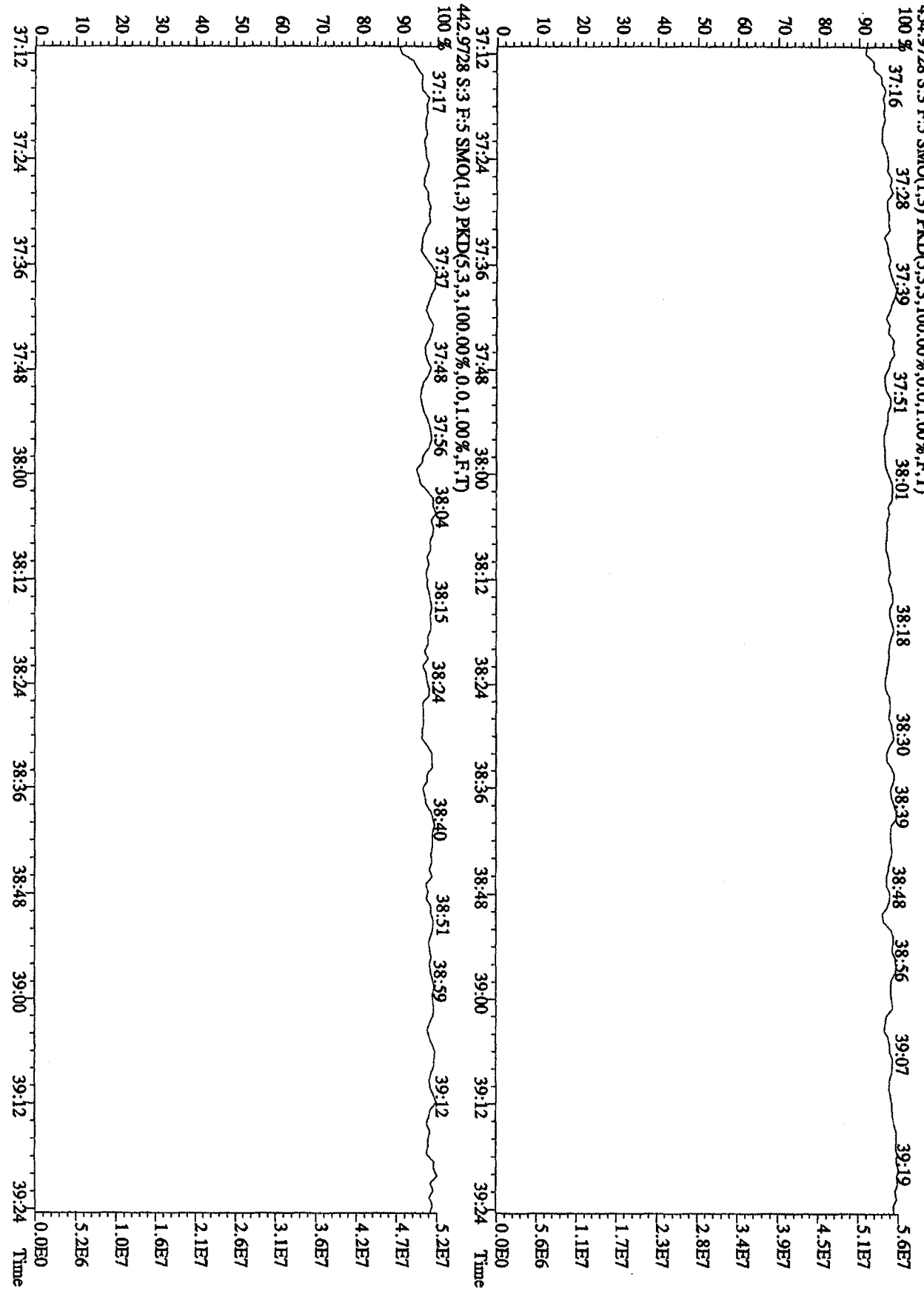
409.7789 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,8216.0,1.00%,F,T)



479.7165 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100,0.0%,2800.0,1.00%,F,T)

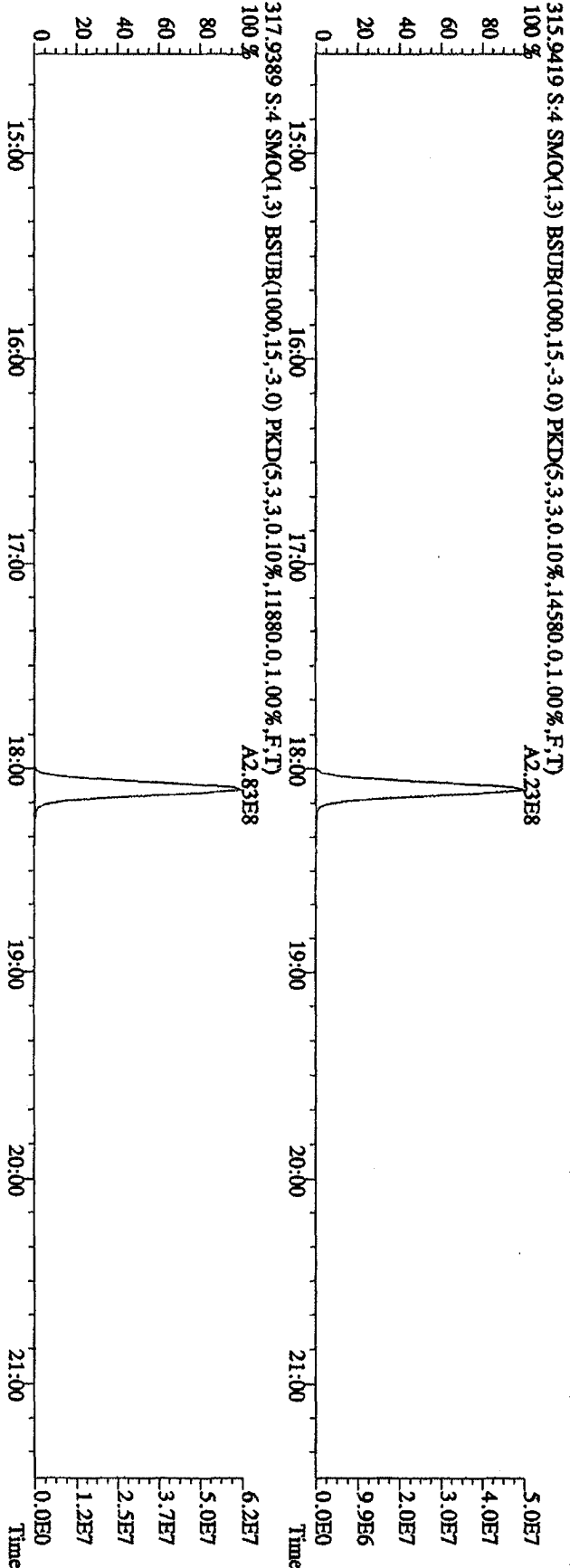
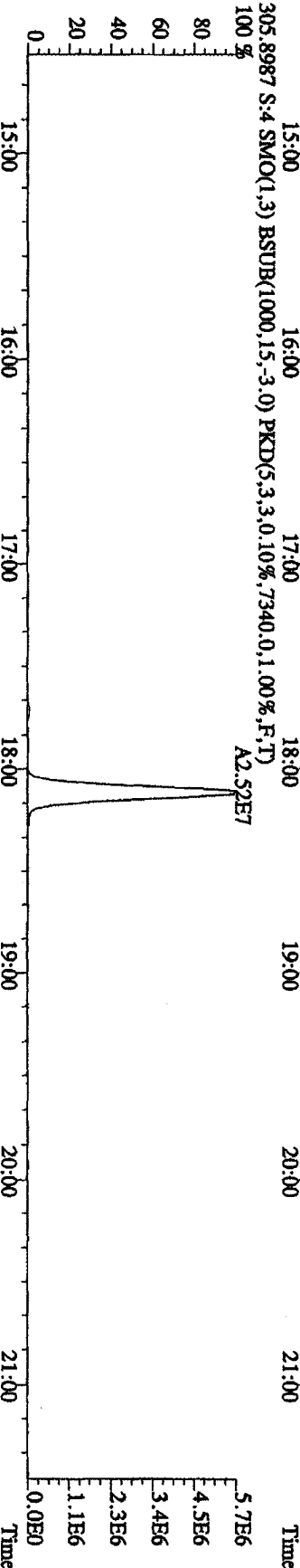
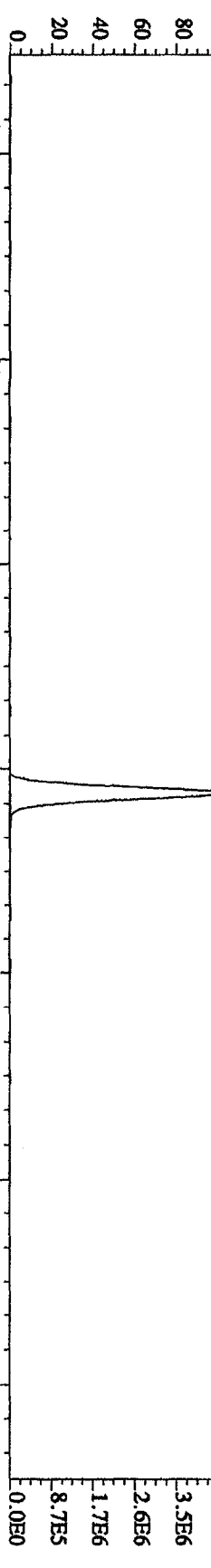


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI + Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 454.9728 S:3 F:5 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:16 37:28 37:39 37:51 38:01

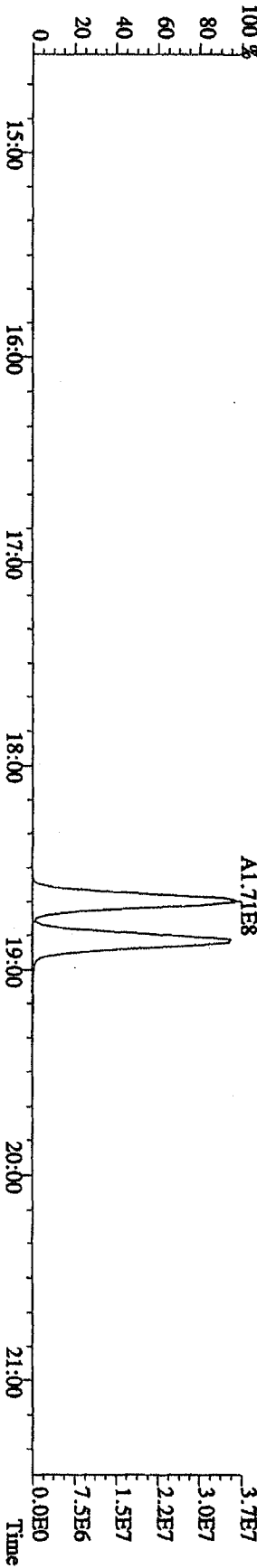
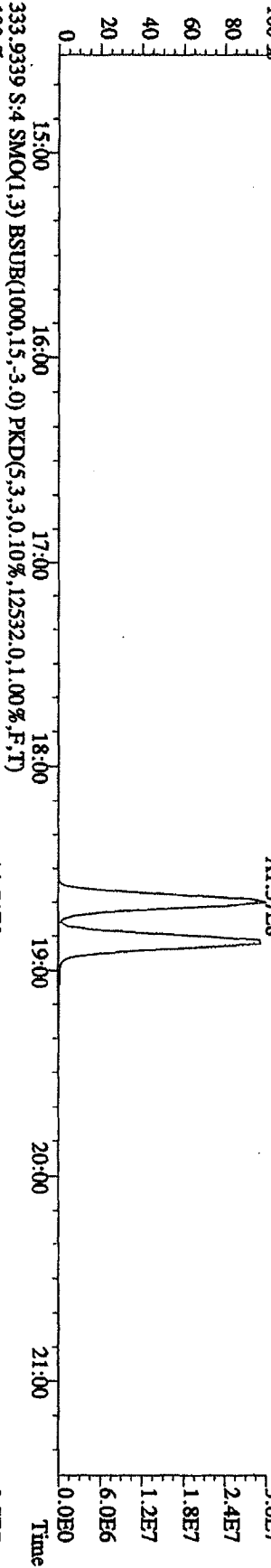
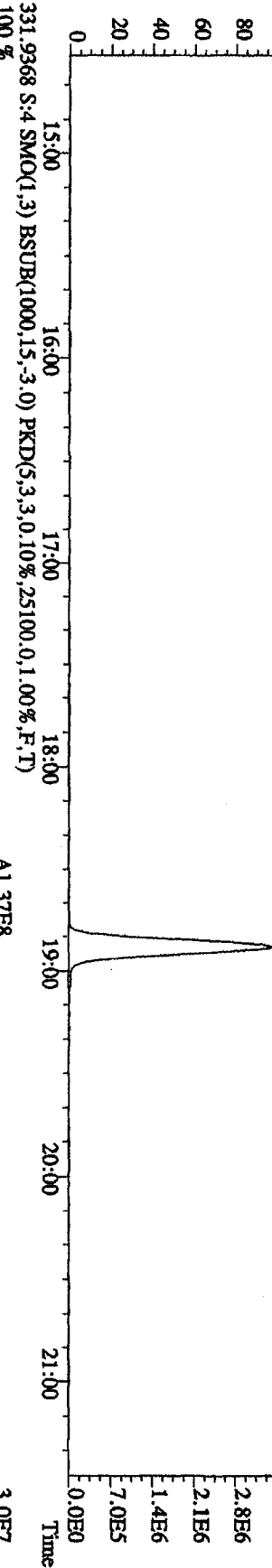
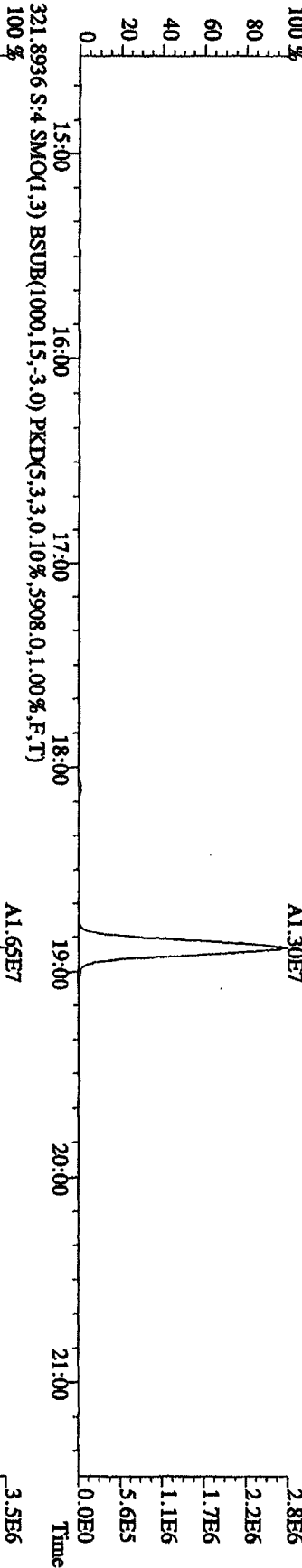


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

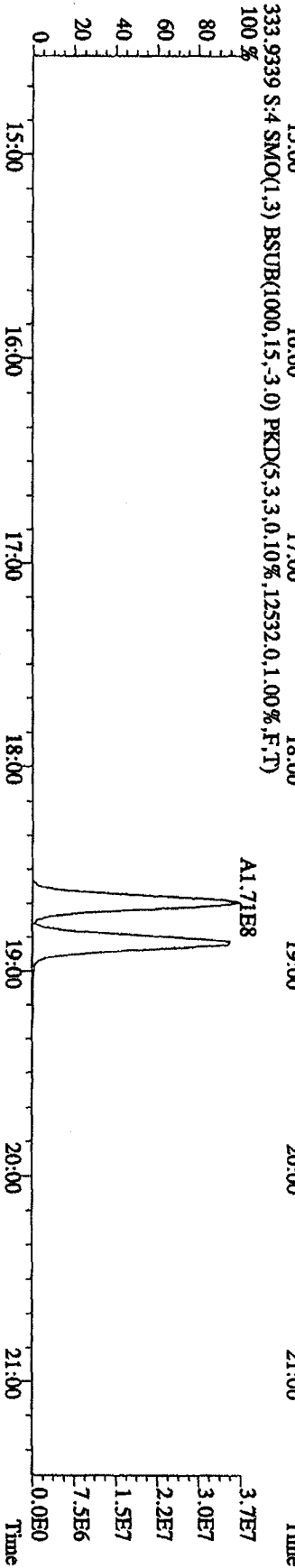
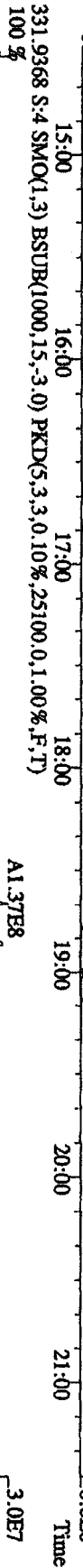
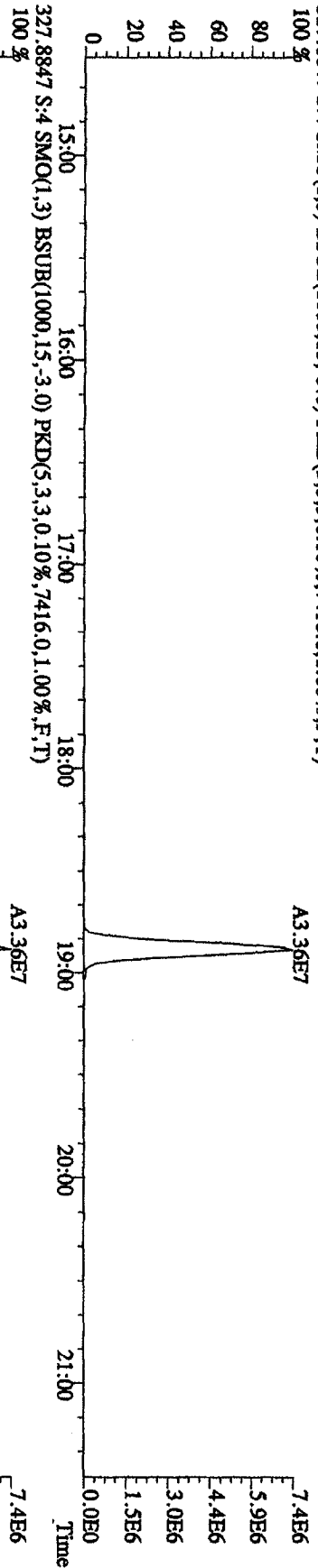
Sample#4 Text:ST1231D -CS-3 09DXM425 Exp:DIOXIN



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)



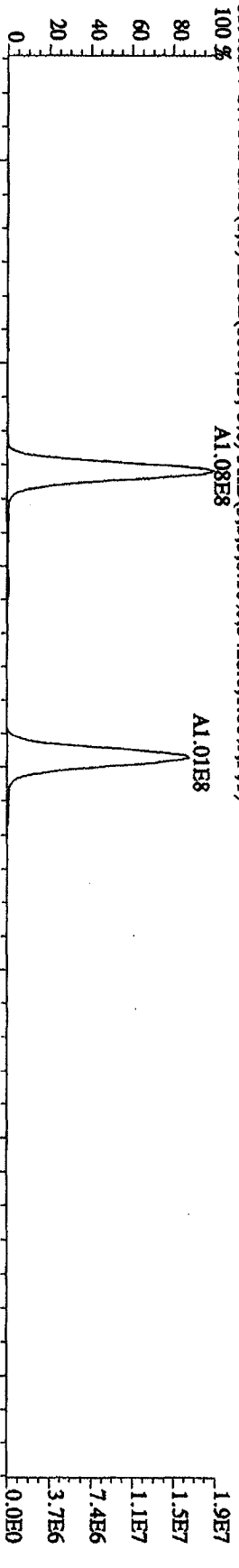
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Tek:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7416,0,1.00%,F,T)



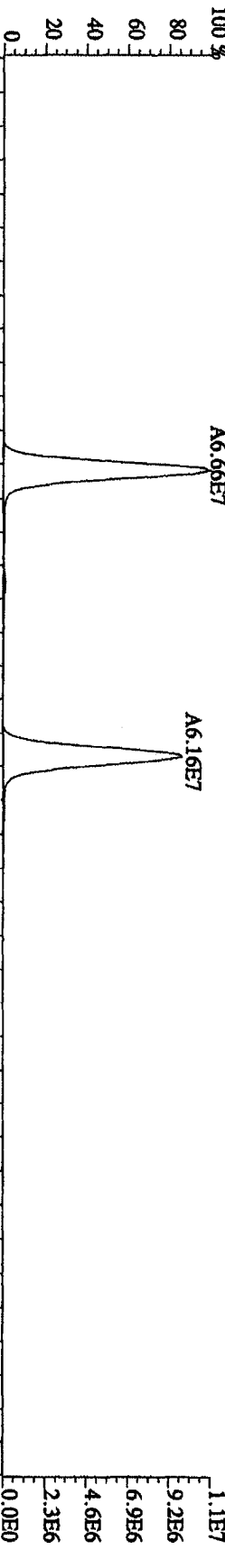
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXM425 Exp:DIOXIN

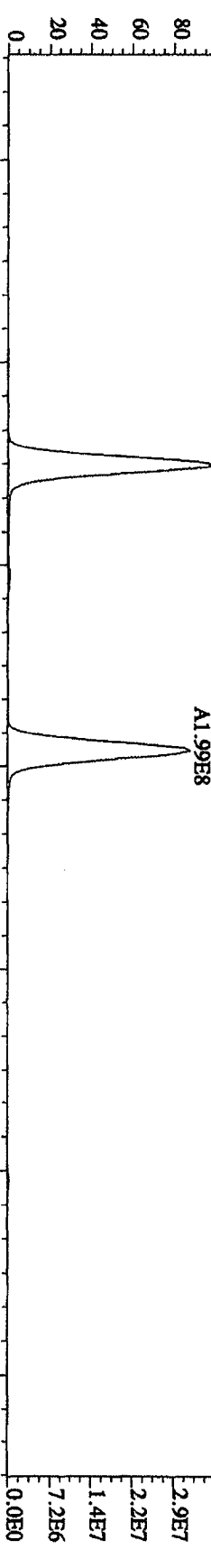
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5428,0,1.00%,F,T)



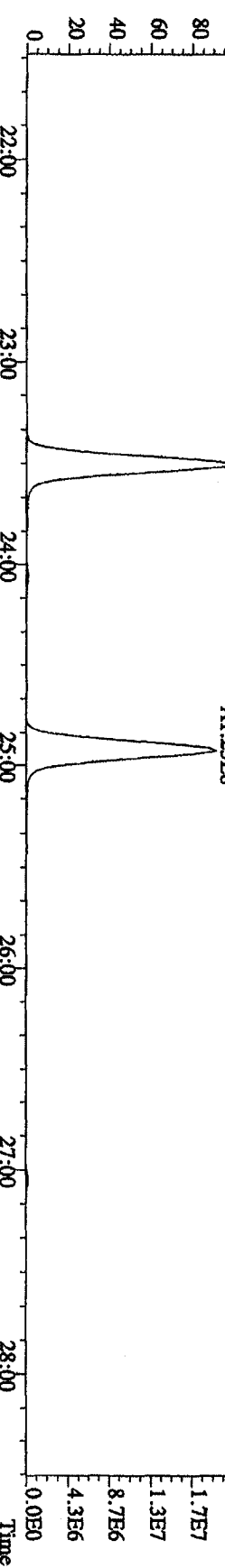
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7612,0,1.00%,F,T)



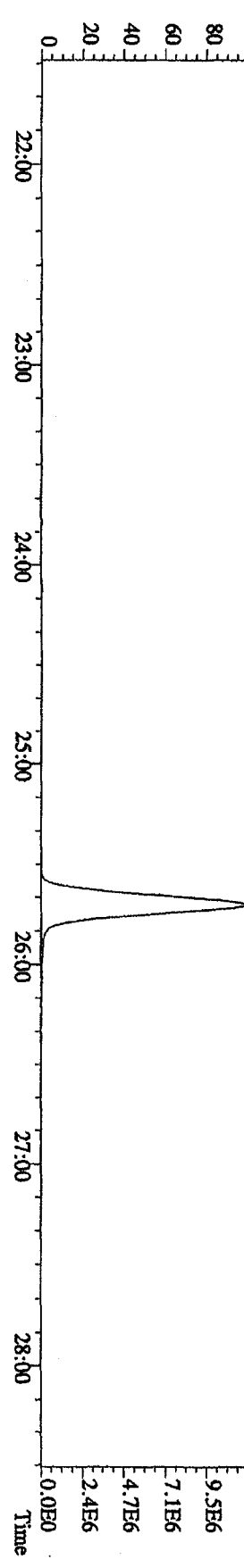
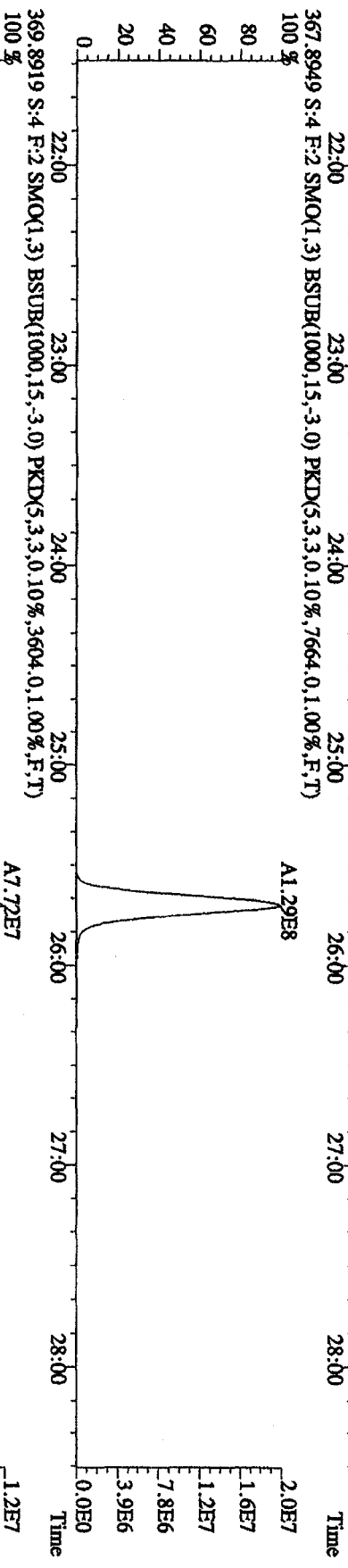
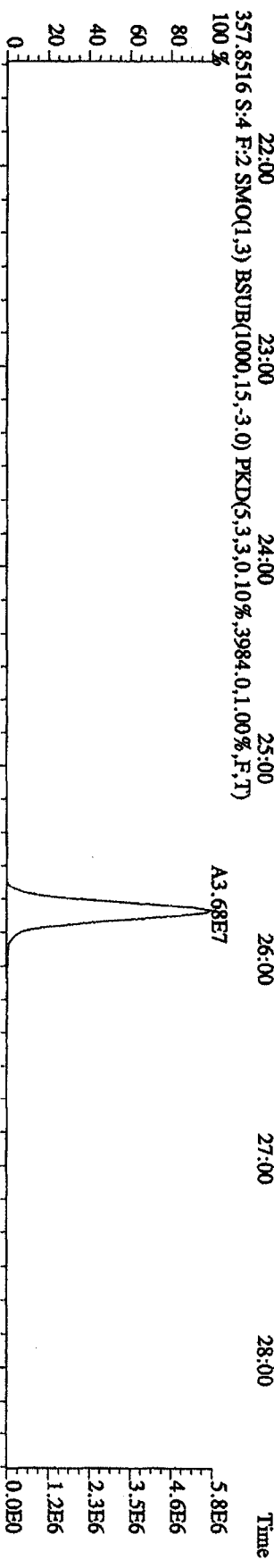
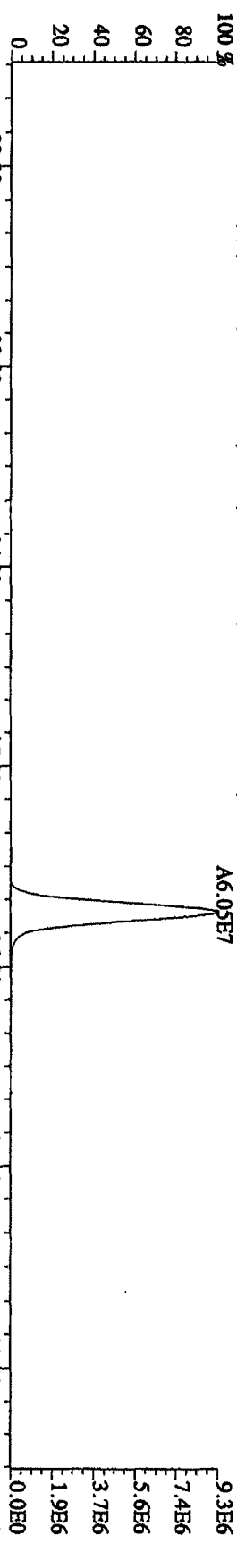
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7836,0,1.00%,F,T)



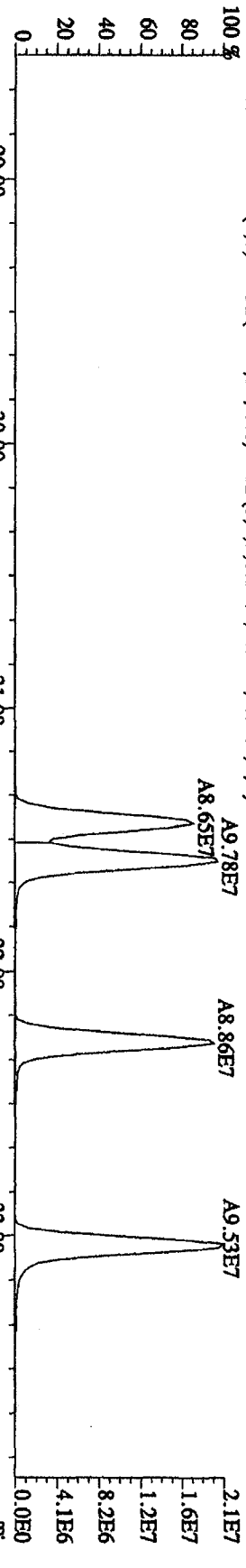
353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6728,0,1.00%,F,T)



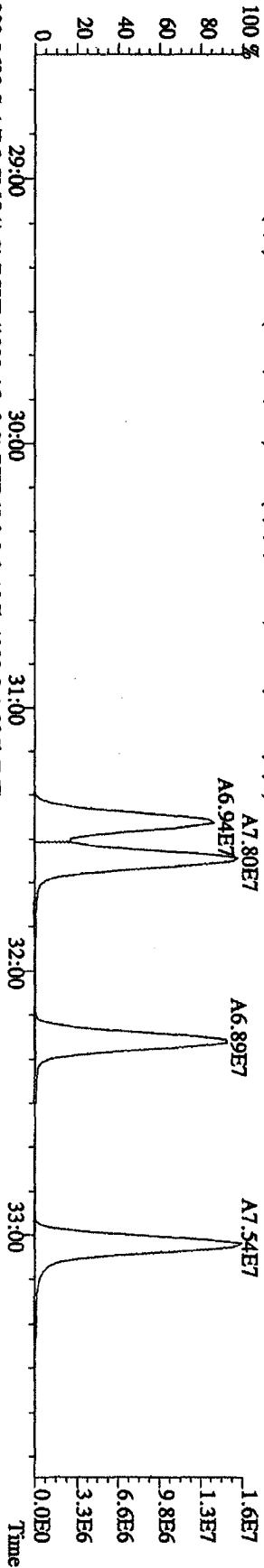
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5476,0,1,00%,F,T)
 100 %



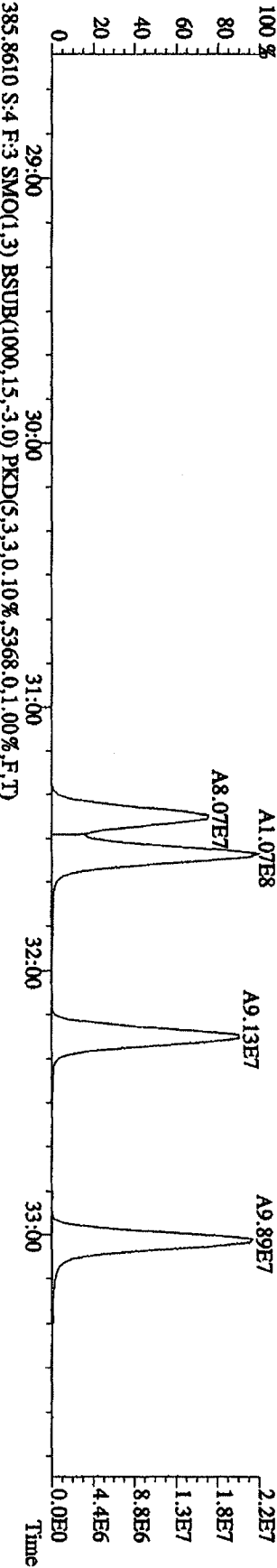
File:31DE09AID5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp.:DIOXIN
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4436,0,1,00%,F,T)



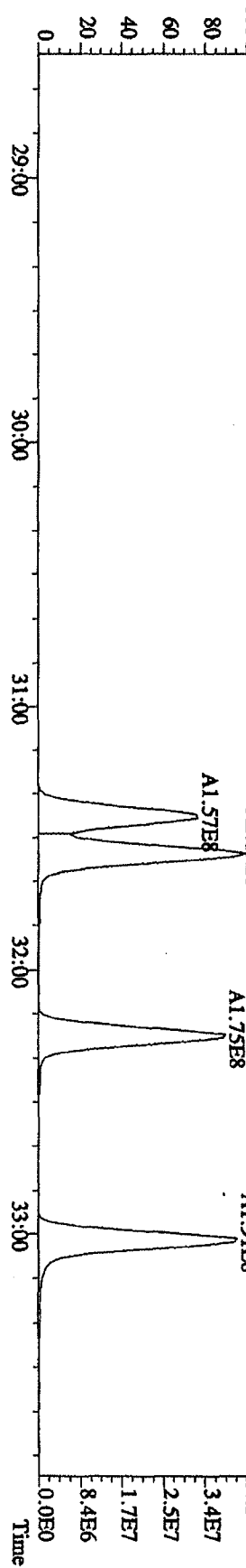
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2944,0,1,00%,F,T)



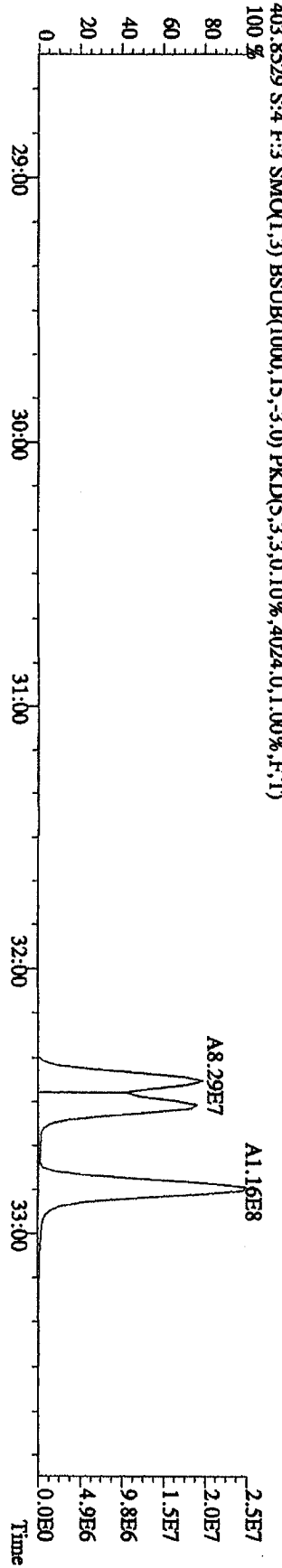
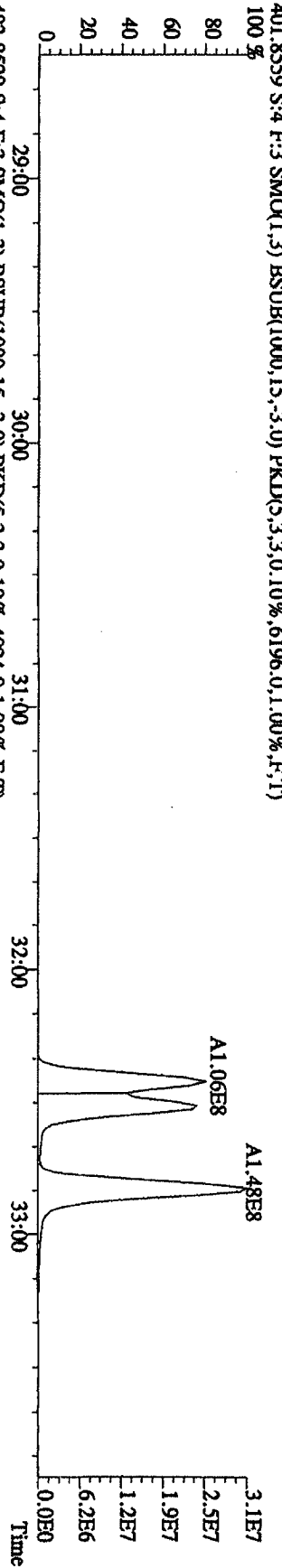
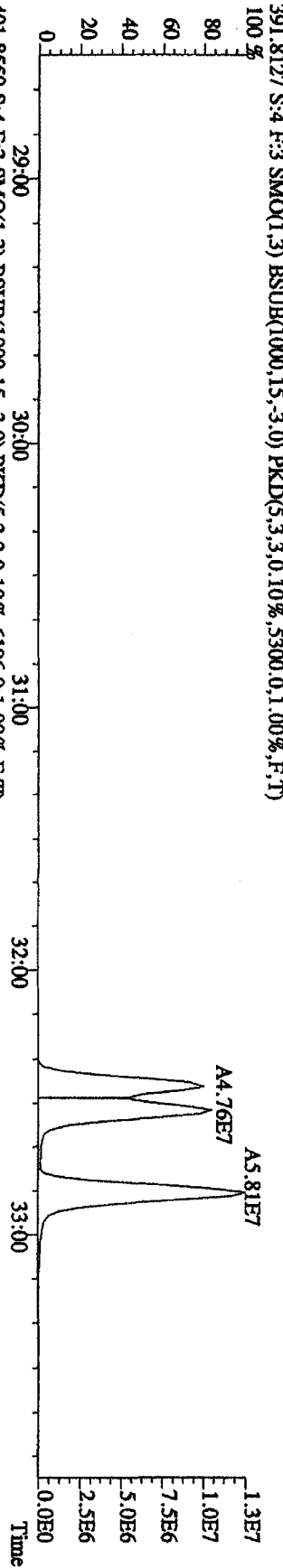
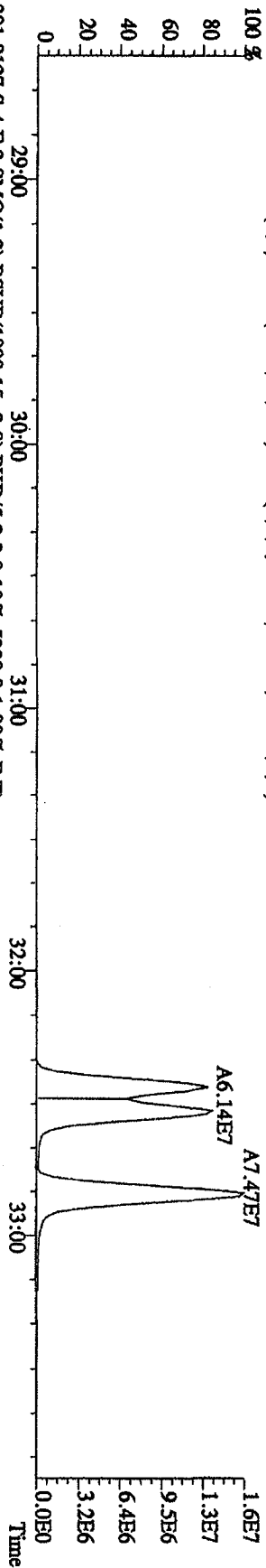
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4020,0,1,00%,F,T)



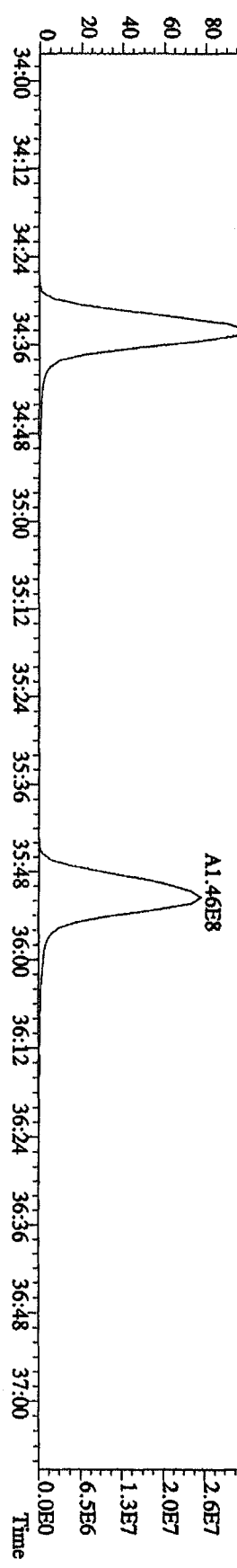
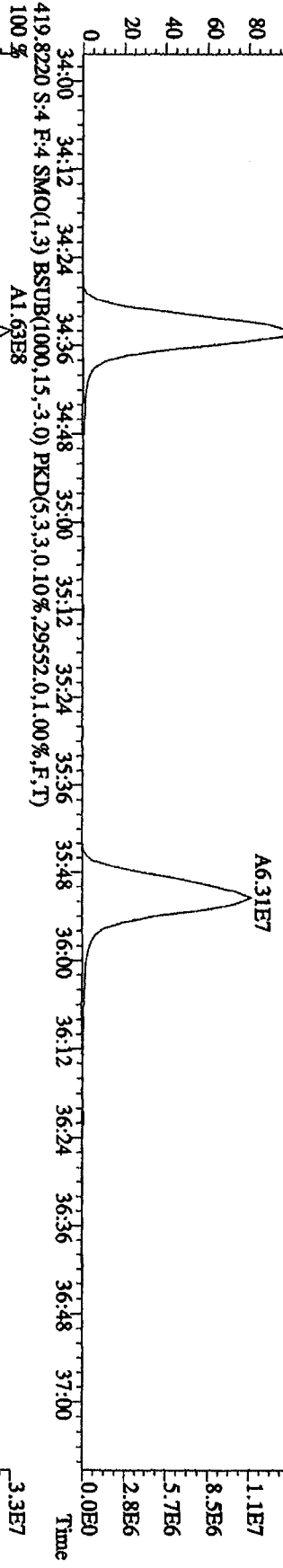
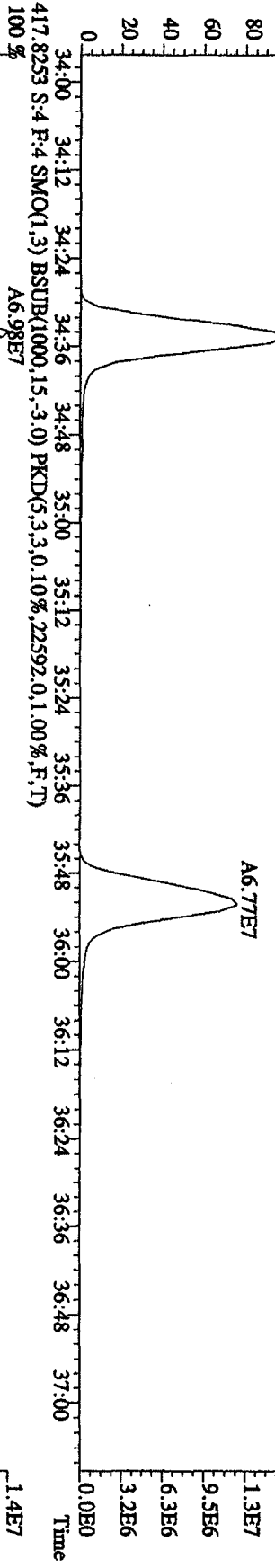
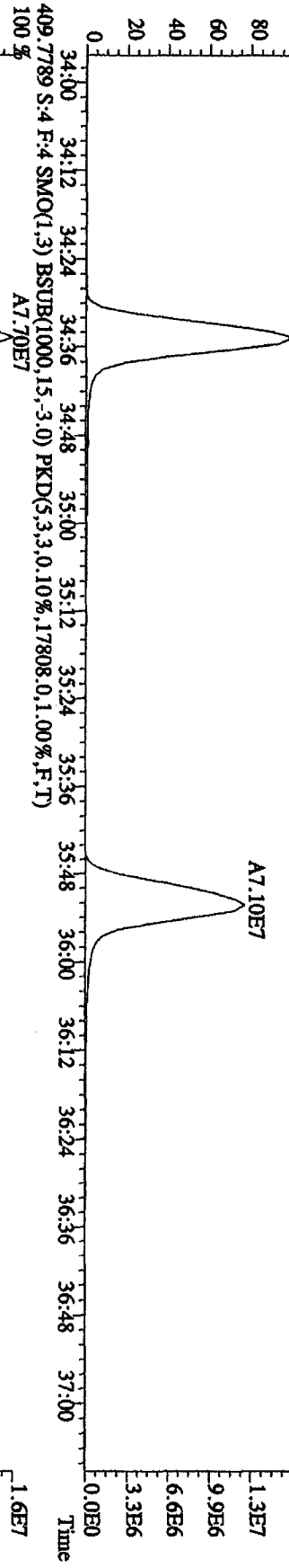
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5368,0,1,00%,F,T)



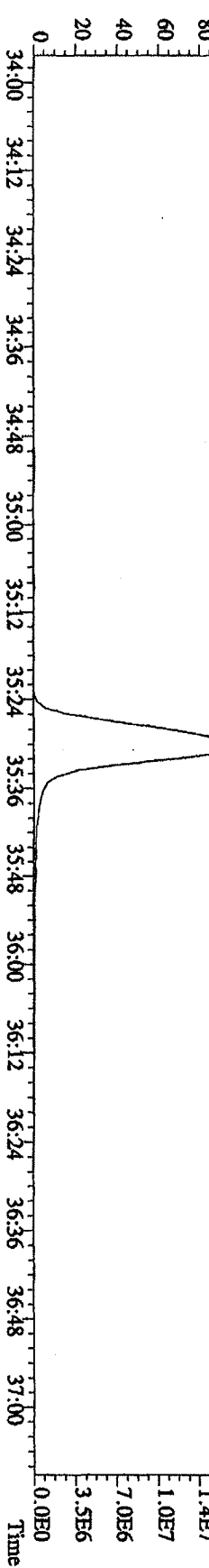
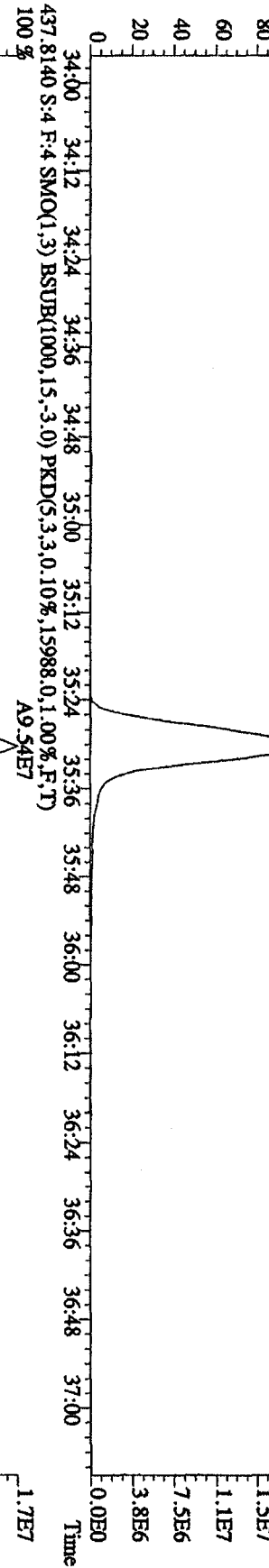
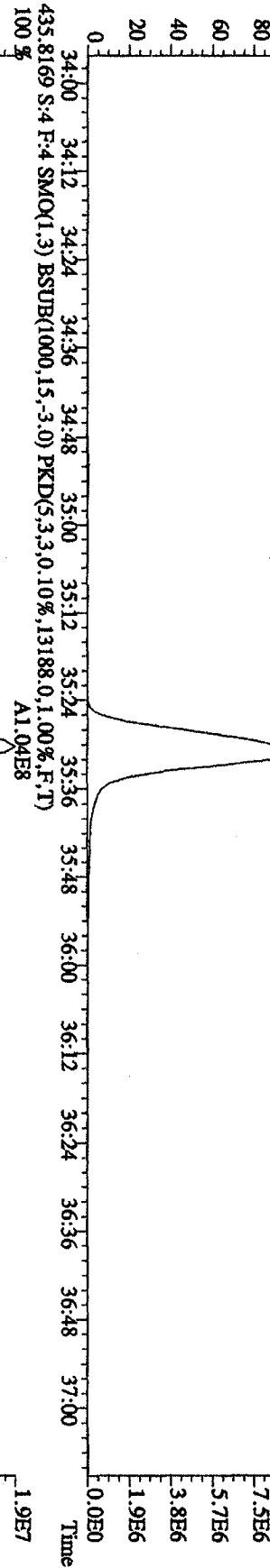
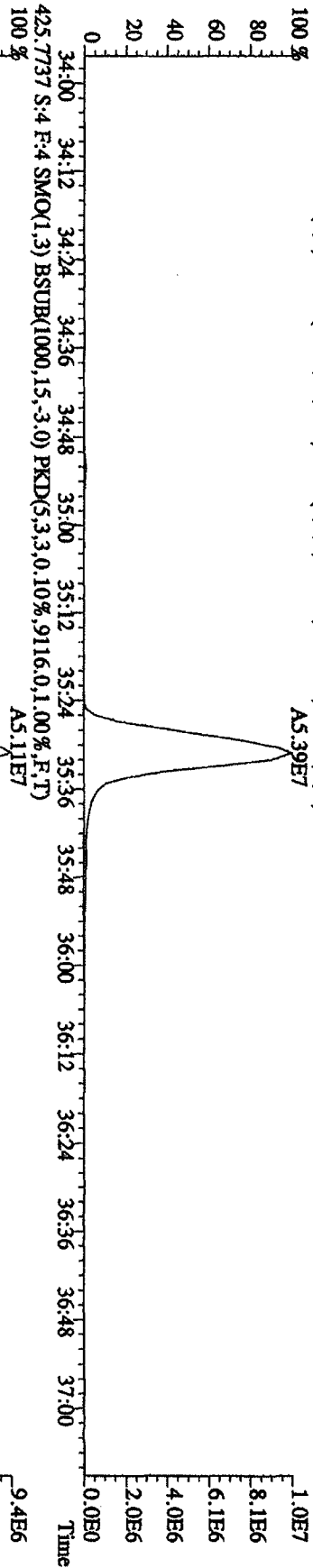
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp.:DIOXIN
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3668,0,1.00%,F,T)



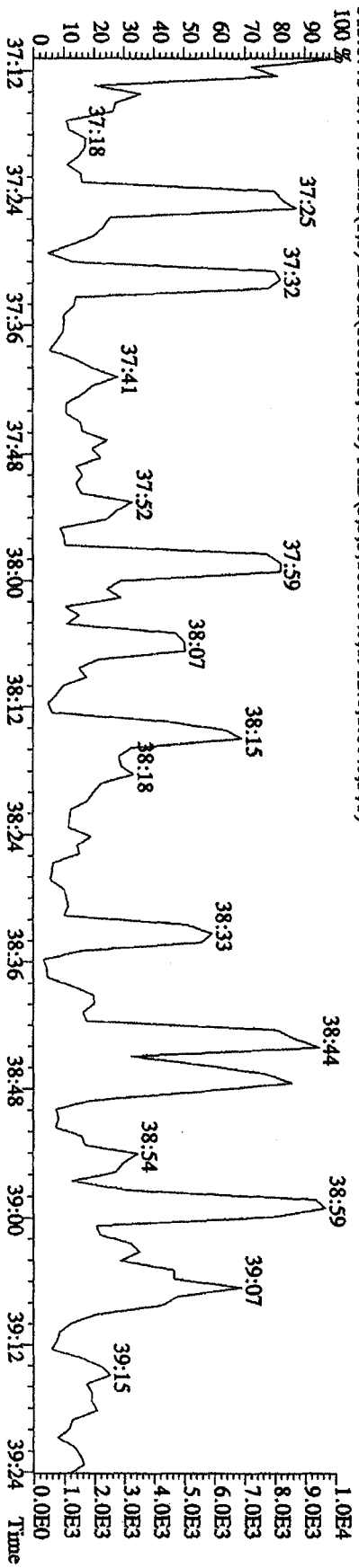
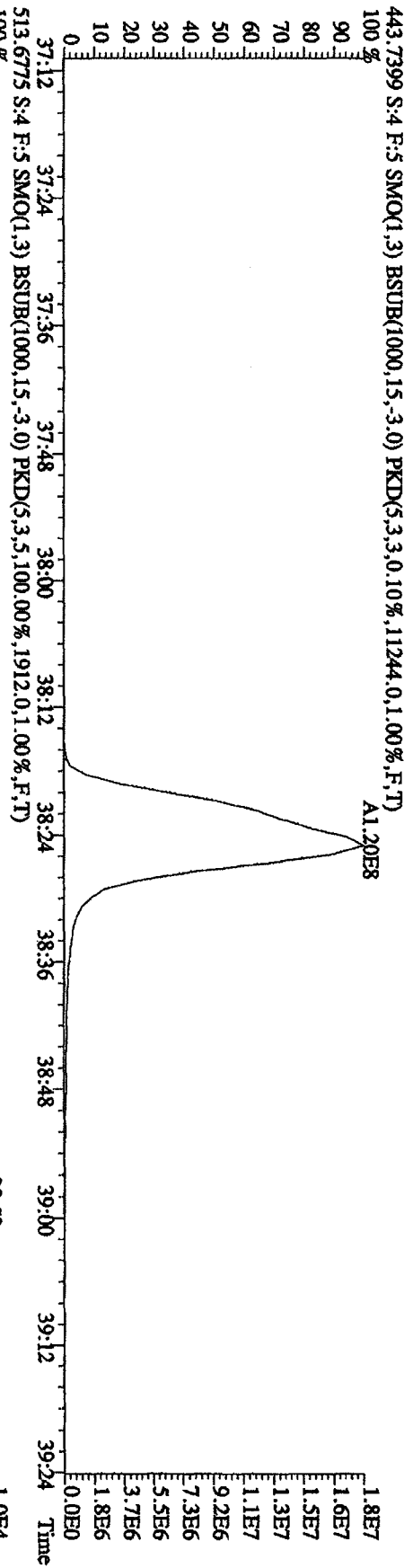
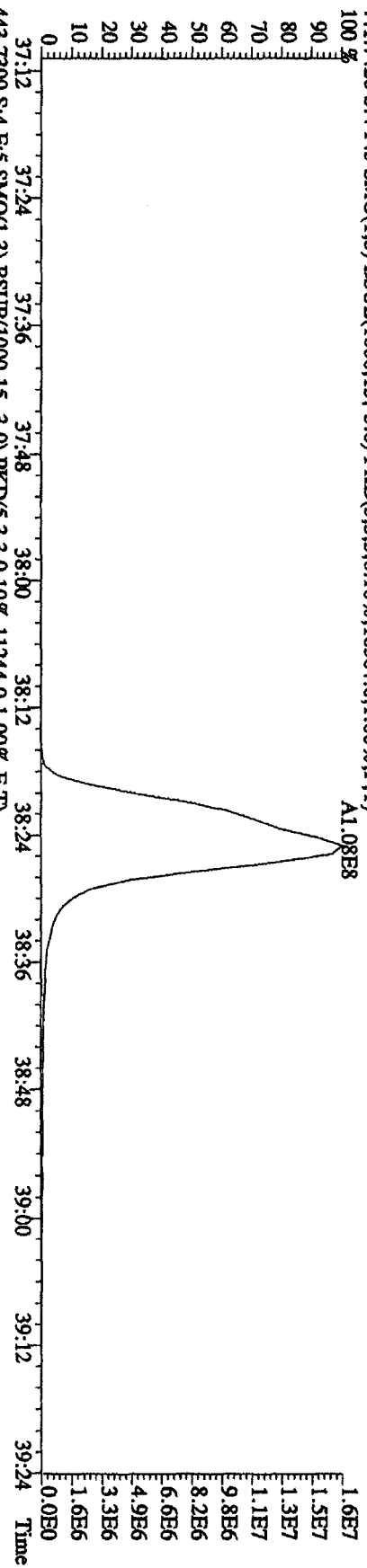
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DDXN425 Exp:DIOXIN
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11764,0,1,00%,F,T)
 100 %



File:31DE09AID5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 423.7766 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12792.0,1.00%,F,T)
 100 % A5.39E7



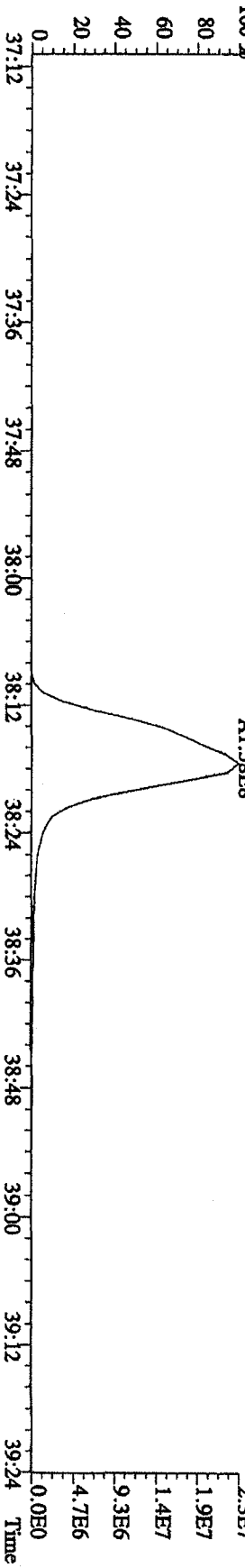
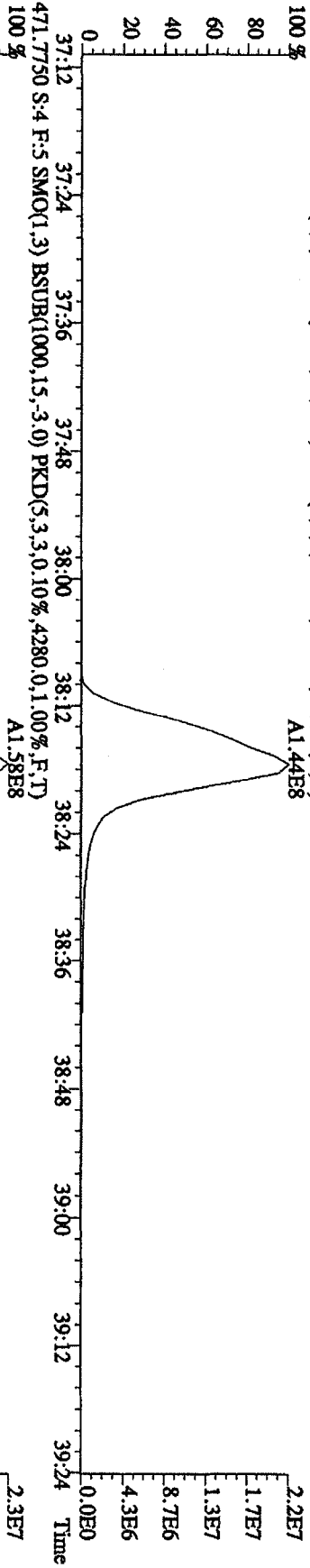
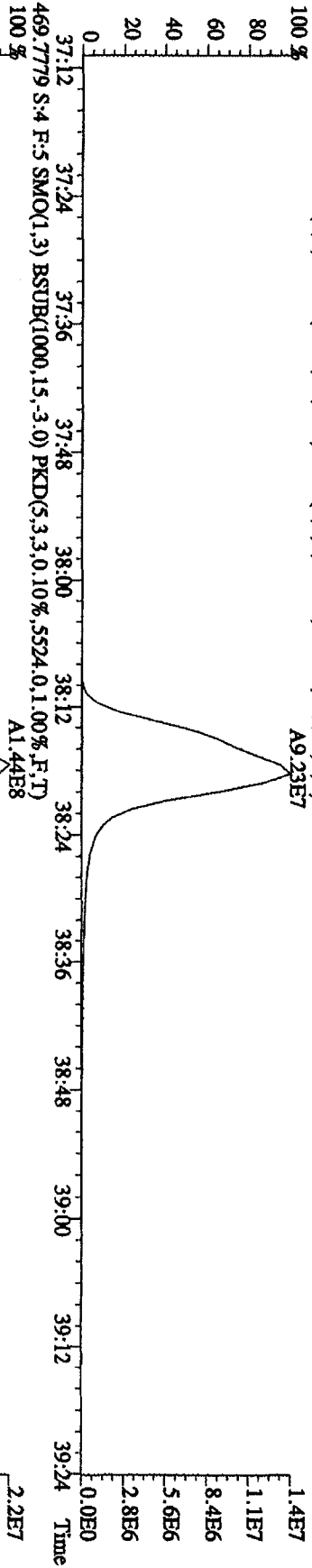
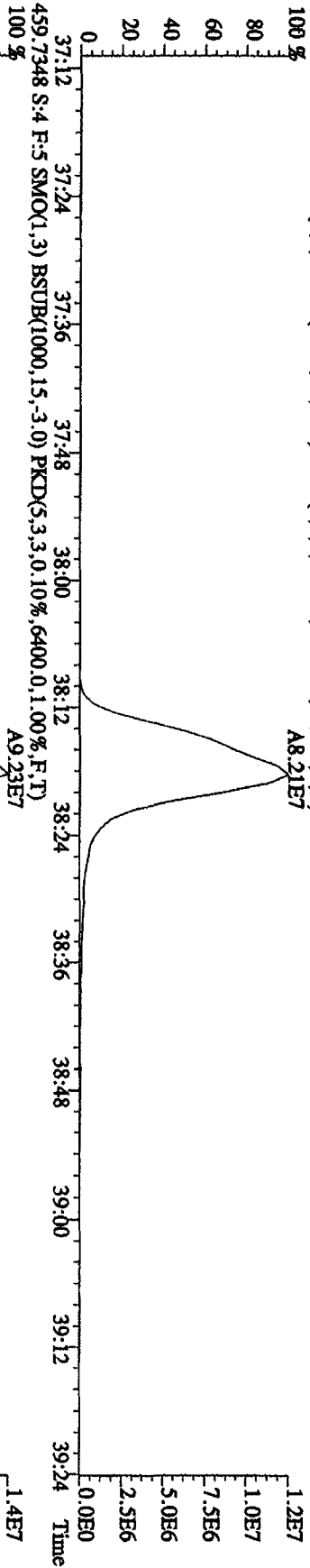
File:31DE09AID5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10364,0,1,00%,F,T)
 100%



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

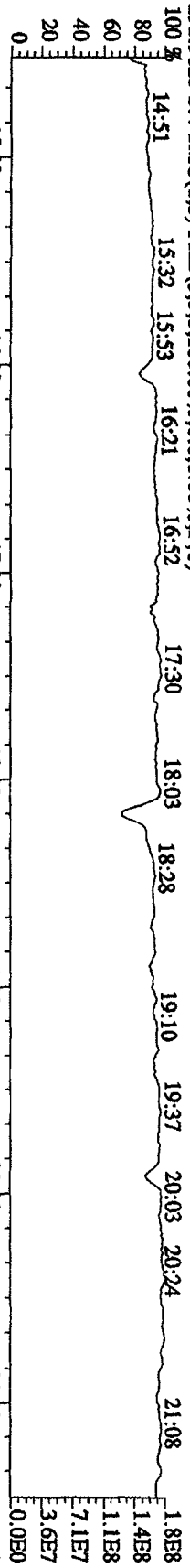
457.7377 S:4 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,18944,0,1.00%,F,T) 100% A8.21E7



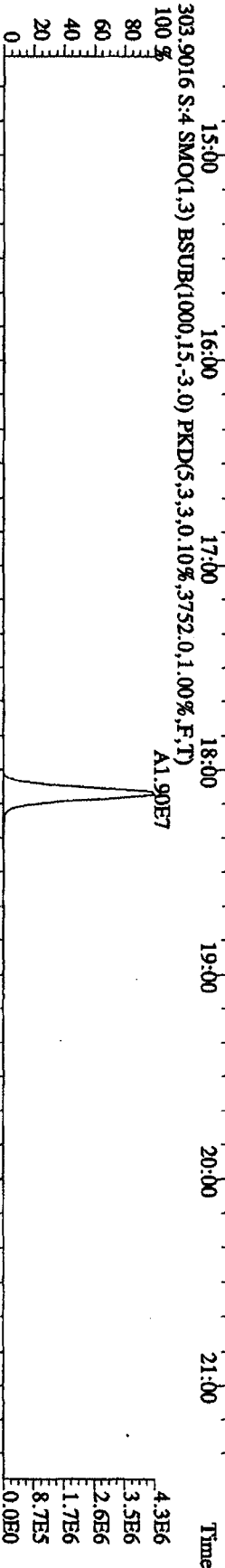
File:31DB09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

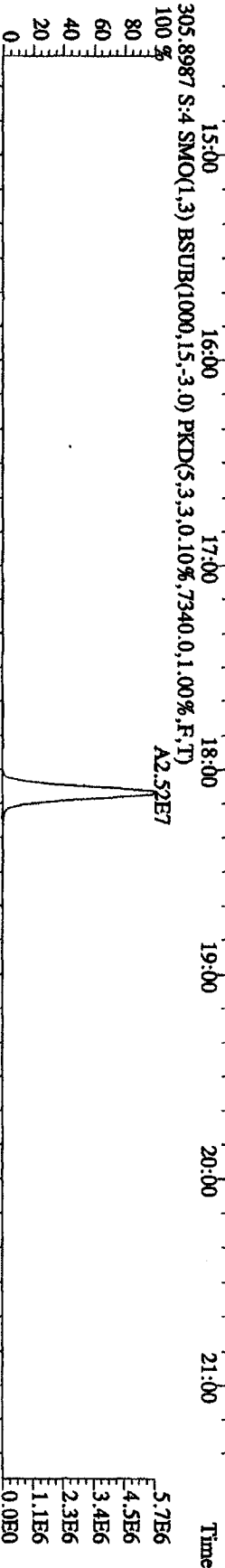
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



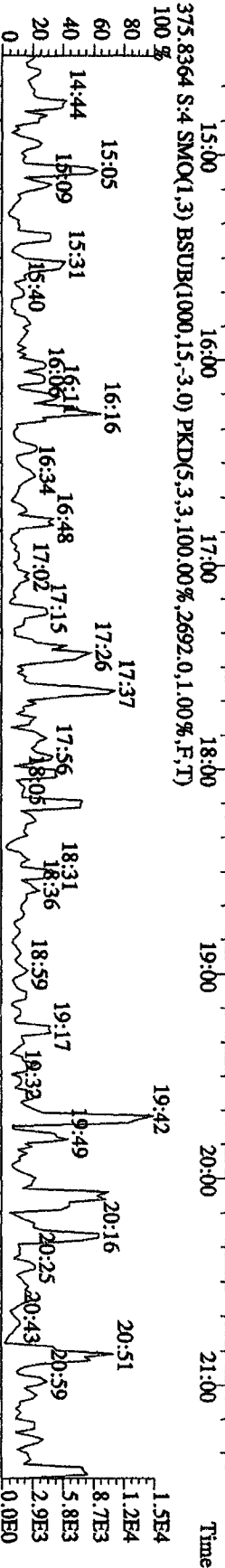
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)



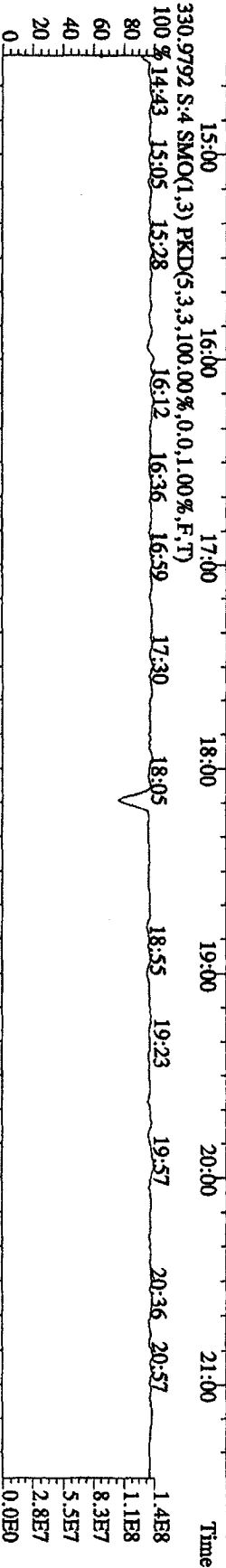
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)



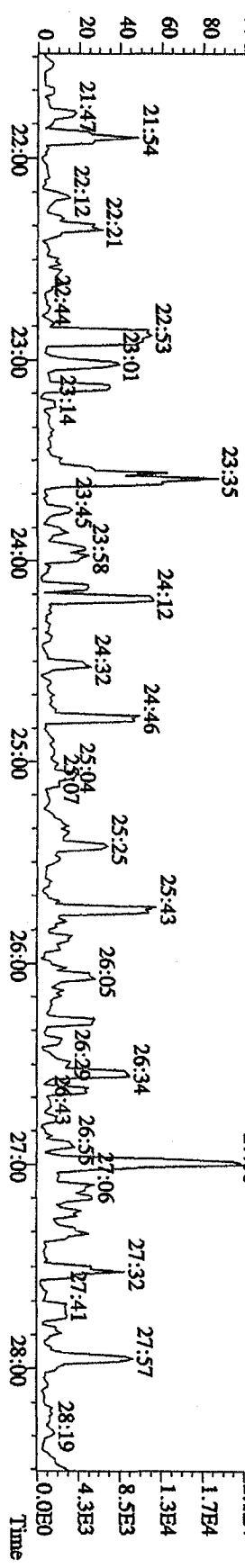
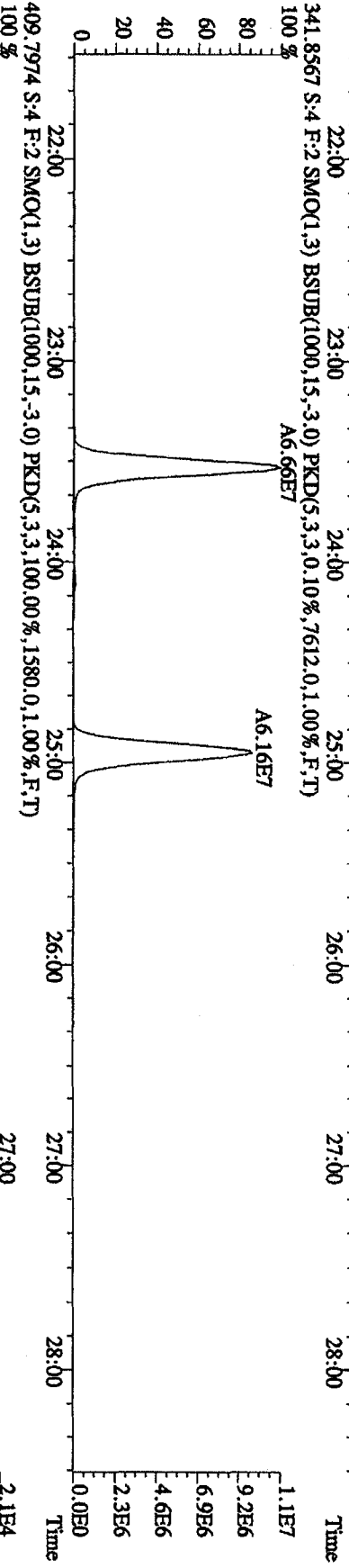
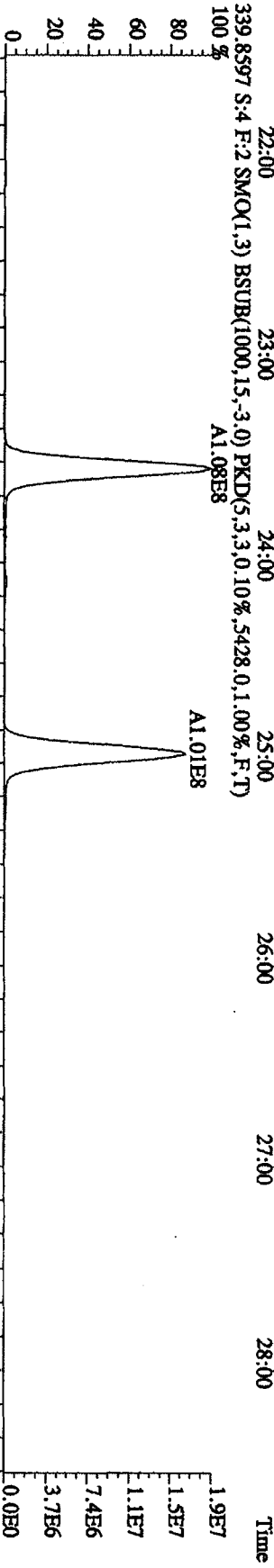
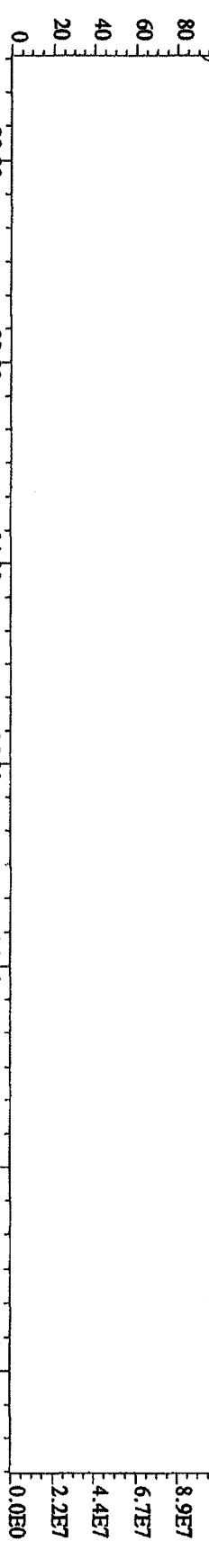
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2692.0,1.00%,F,T)



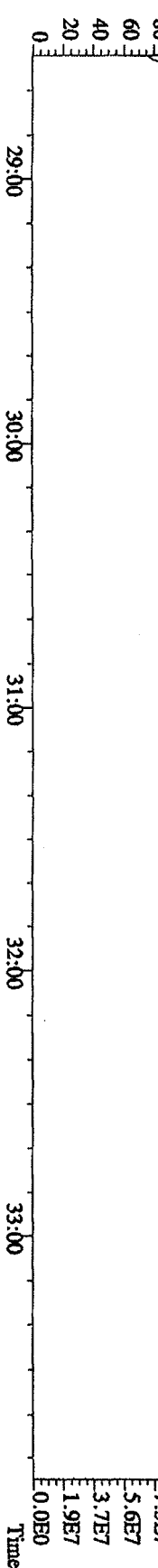
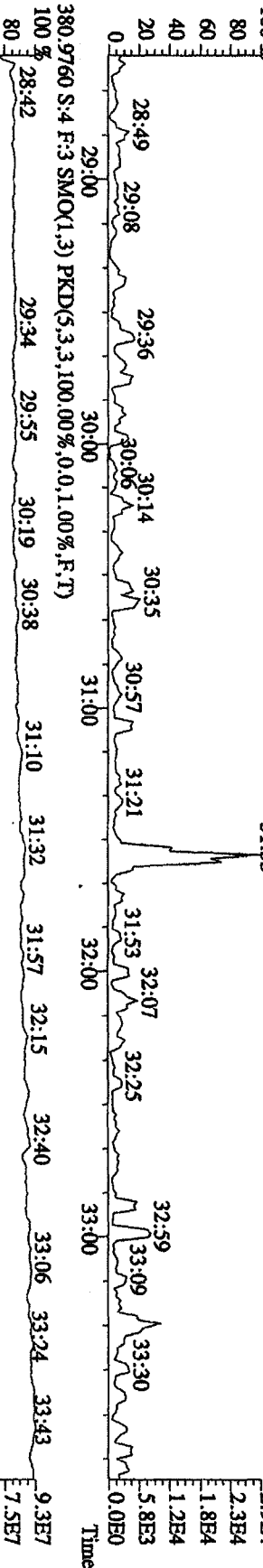
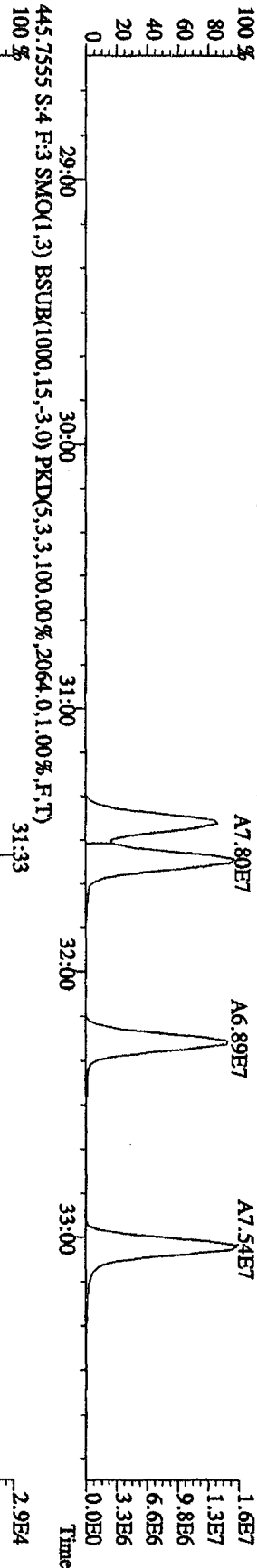
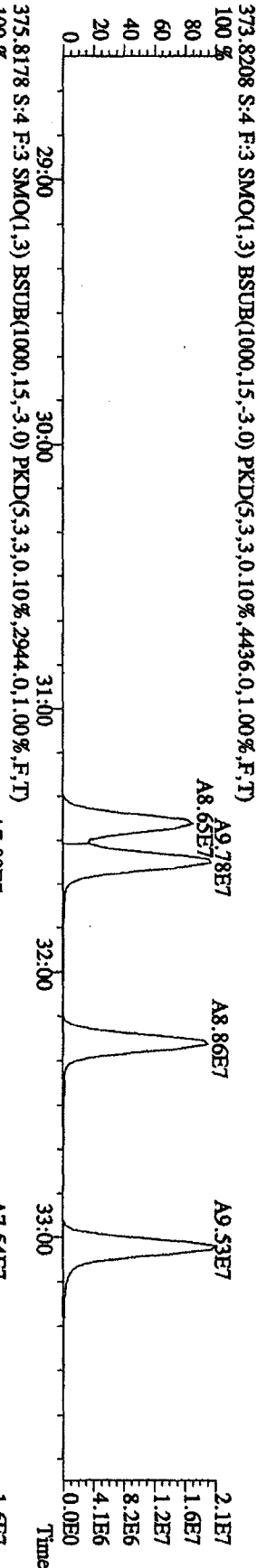
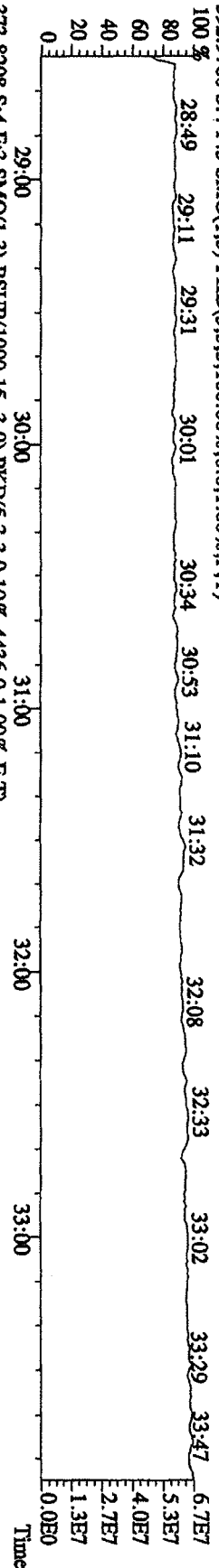
330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



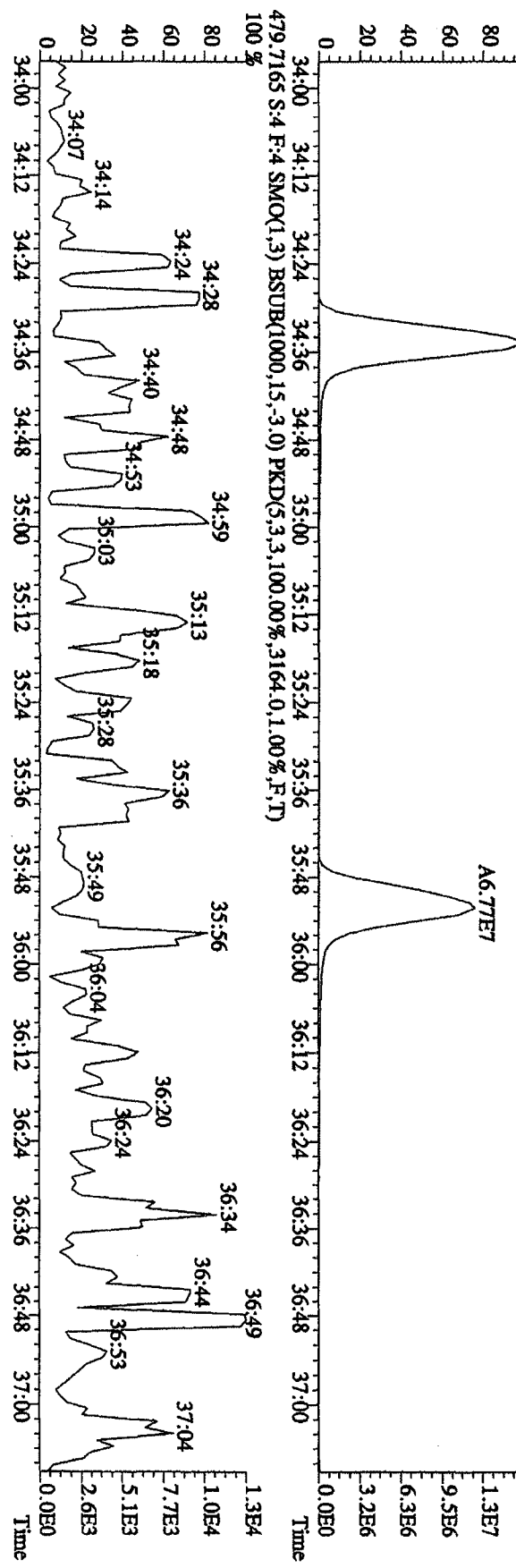
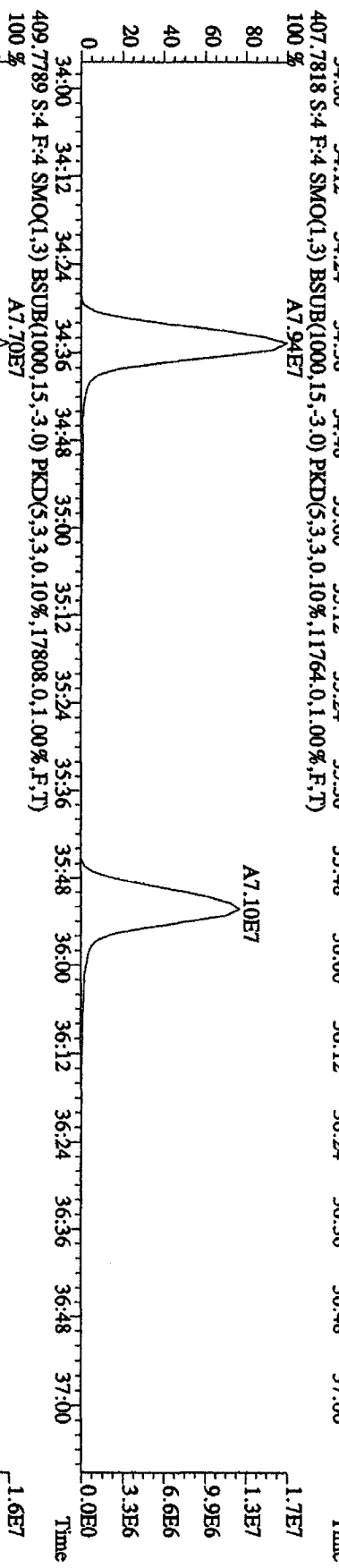
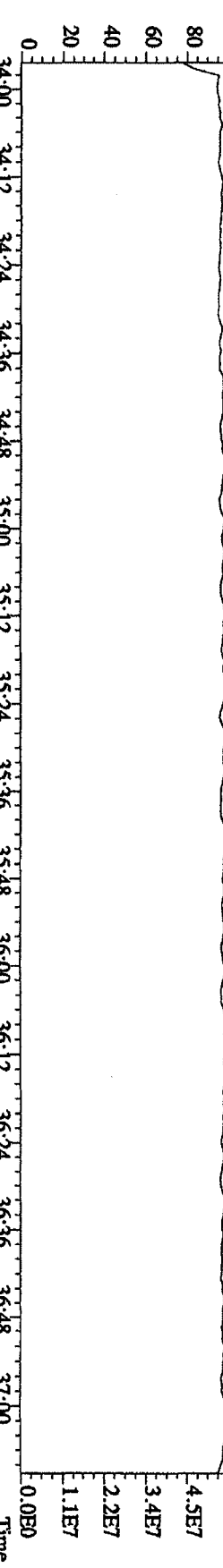
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS 3 09DXN425 Exp:DIOXIN
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 21:49 22:14 23:00 23:30 24:01 24:22 24:44 25:19 25:47 26:16 26:56 27:30 27:58



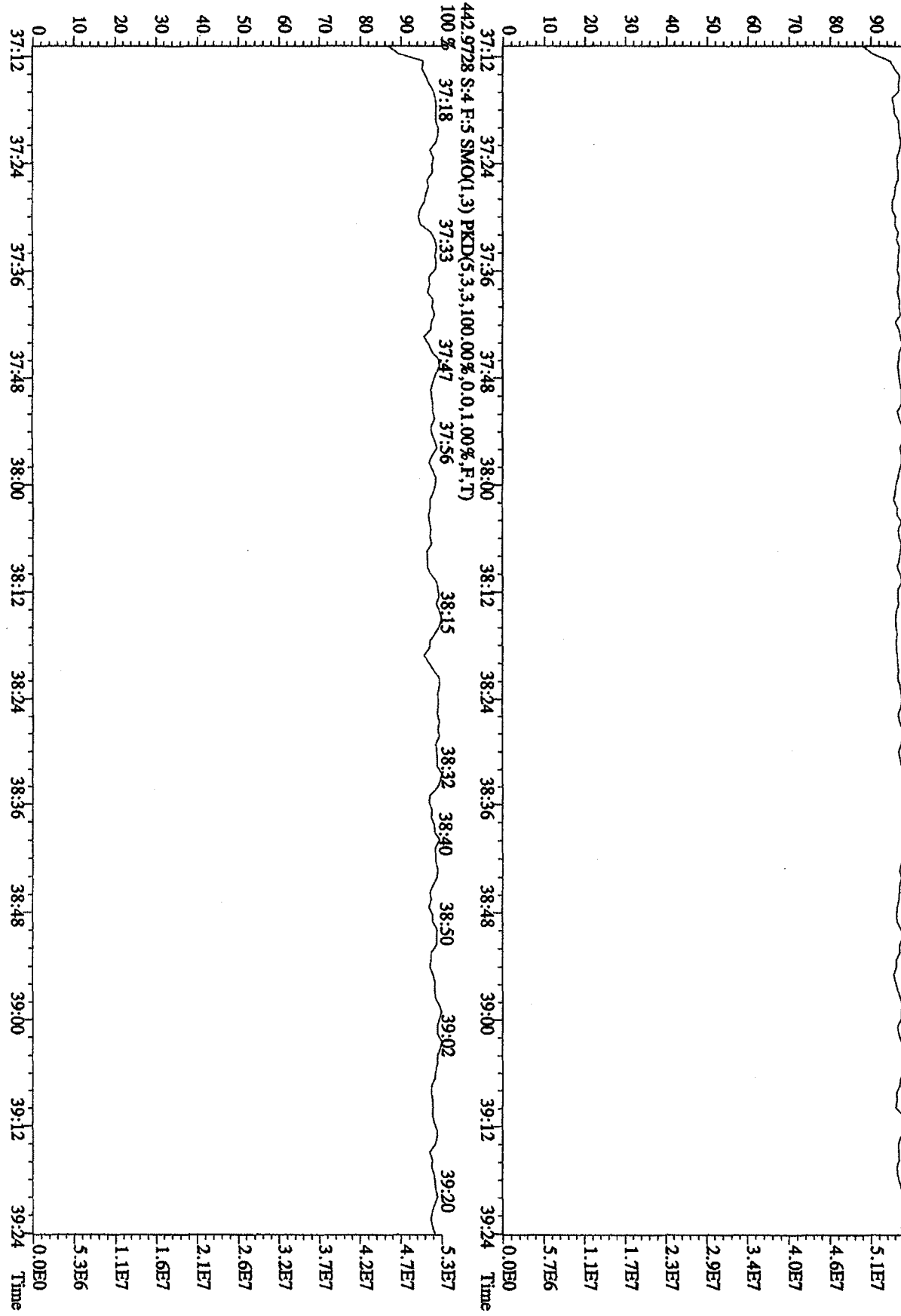
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 28:49 29:11 29:31 30:01 30:34 30:53 31:10 31:32 32:08 32:33 33:02 33:29 33:47



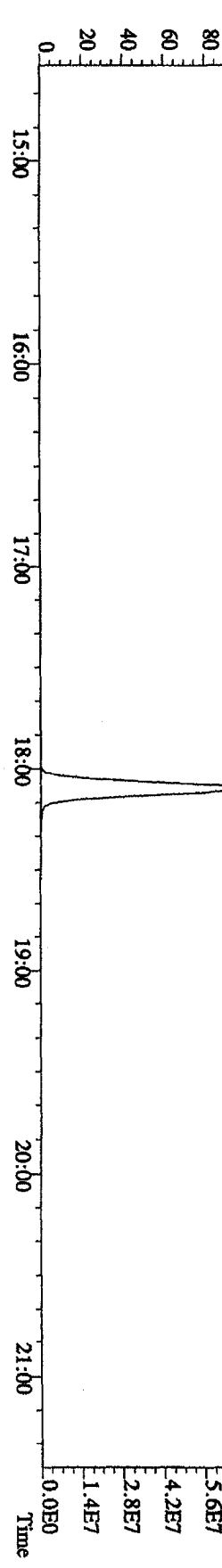
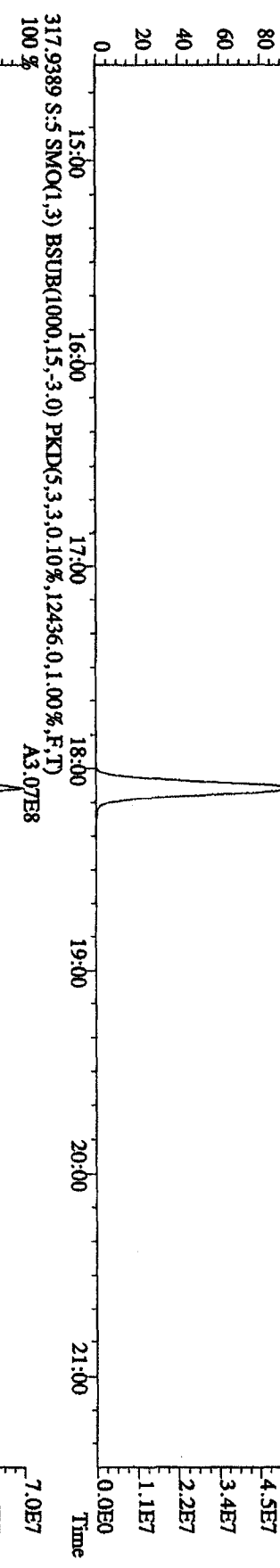
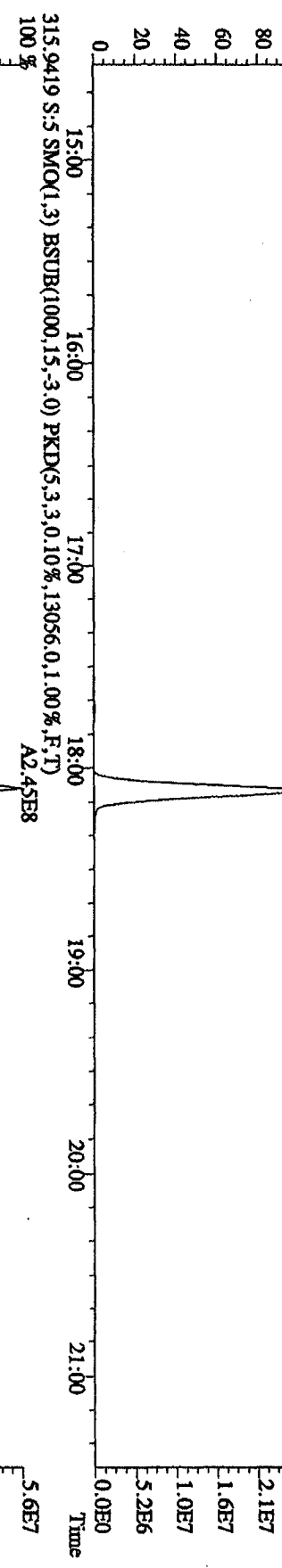
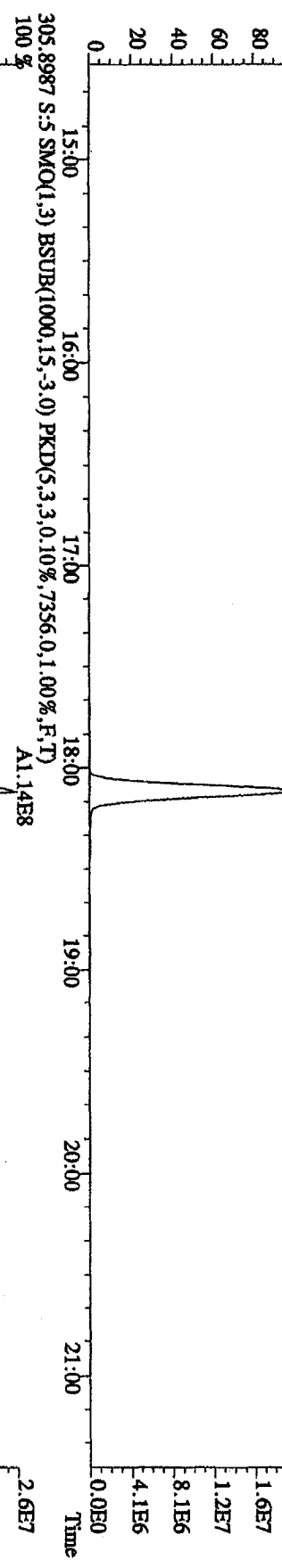
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 430.9728 S:4 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 100% 34:13 34:33 34:51 35:11 35:28 35:43 36:00 36:10 36:32 37:01



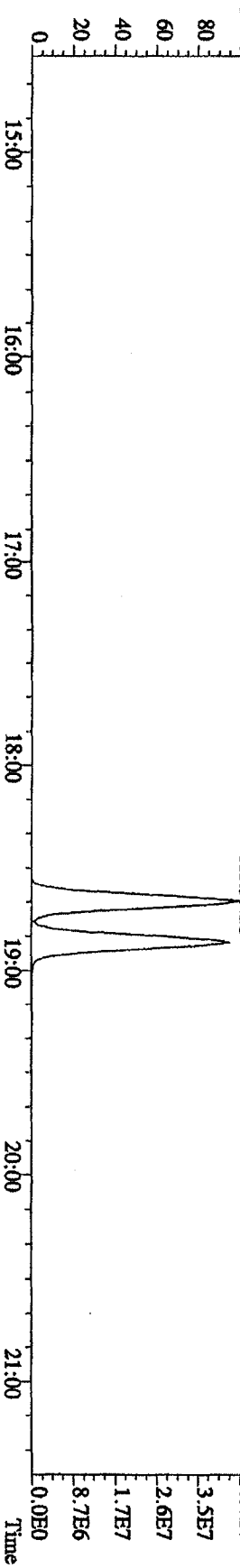
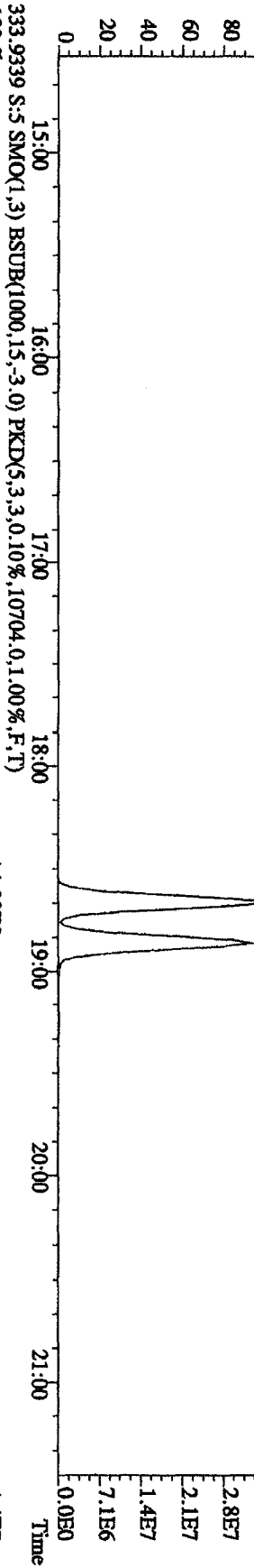
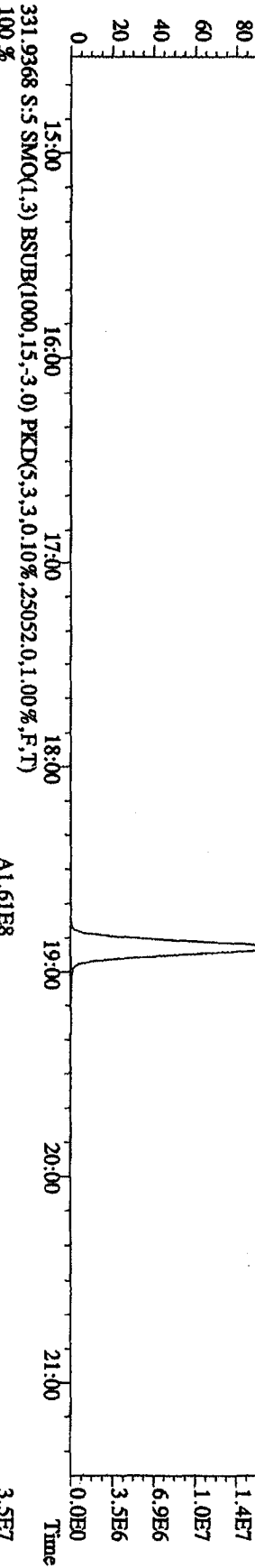
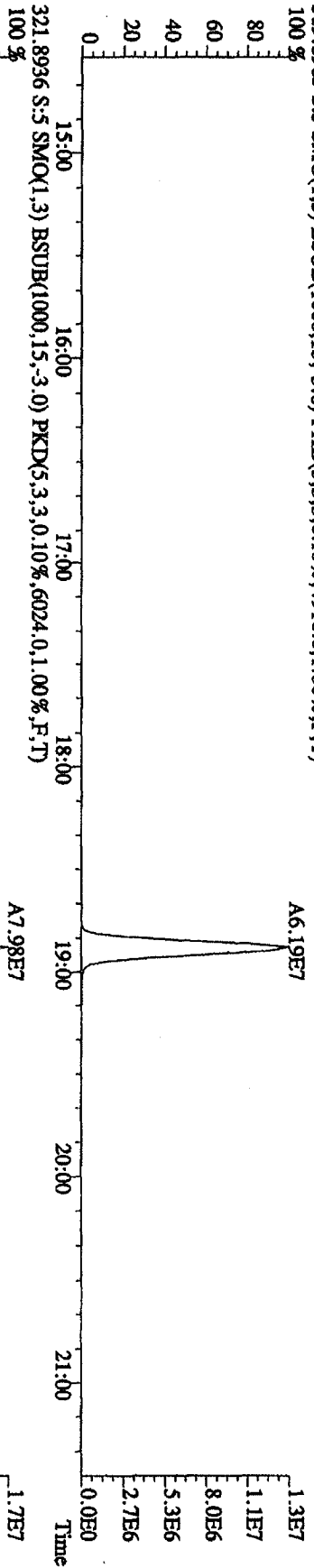
File: 31DE09AID5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Text: ST1231D : CS-3 09DXN425 Exp: DIOXIN
 454.9728 S:4 F:5 SMO(1,3) PKID(5,3,3,100,00%,0,0,1,00%,F,T)
 100 %



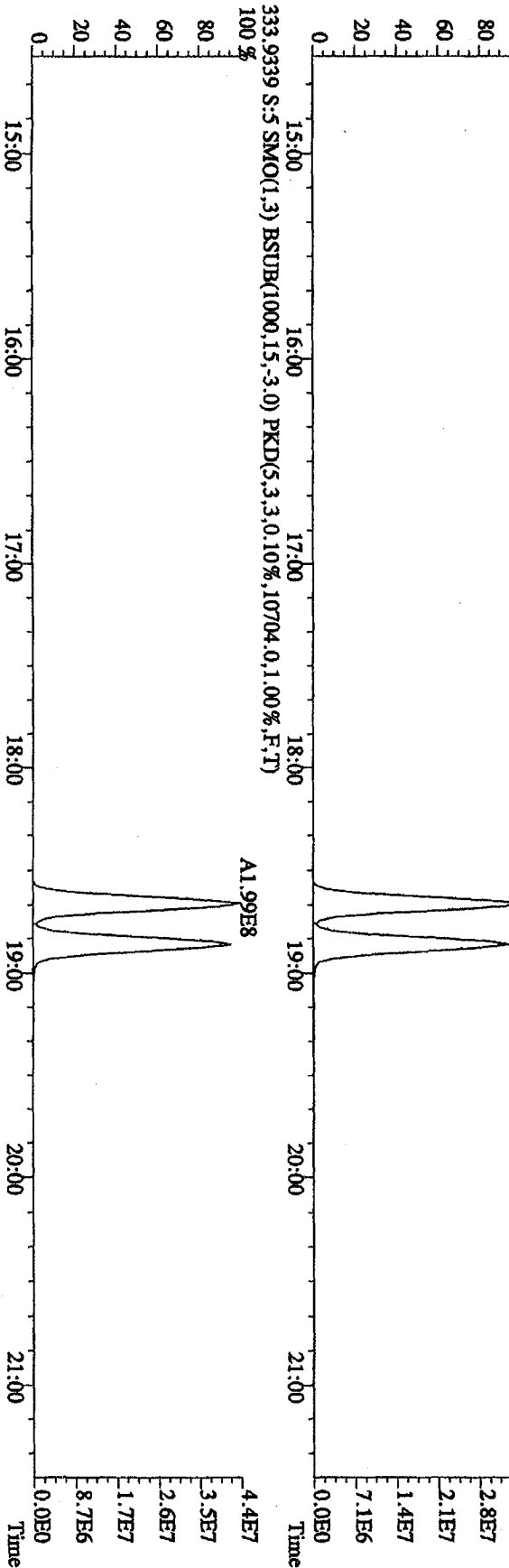
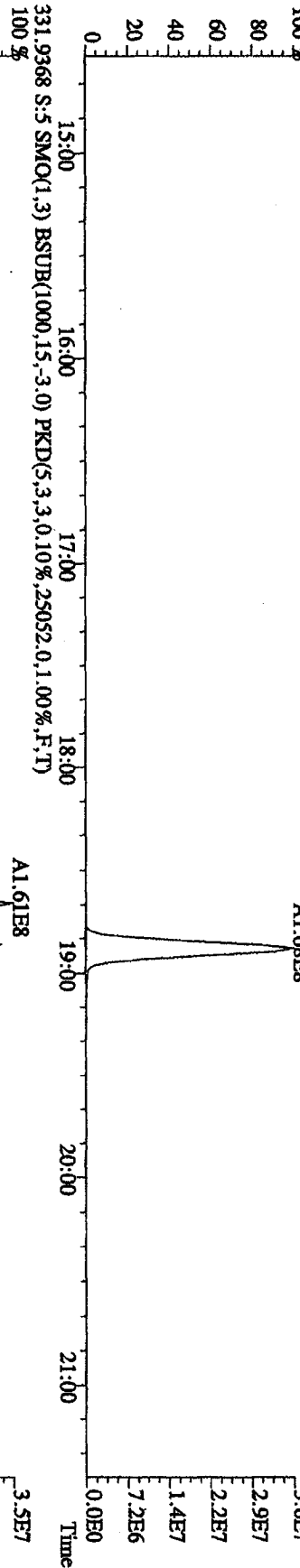
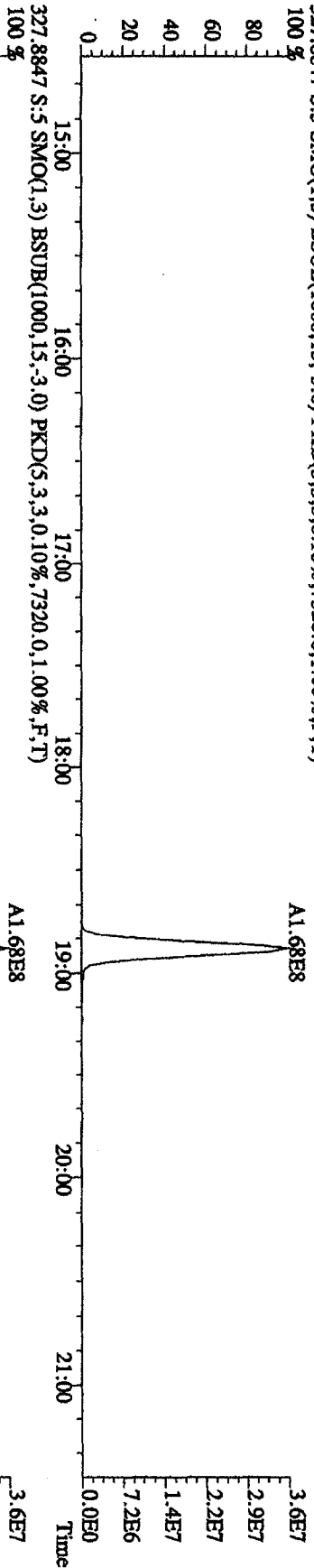
File:31DE09AID5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI + Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 305.8987 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7872,0,1.00%,F,T)
 100 %



File:31DE09AIDS #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)

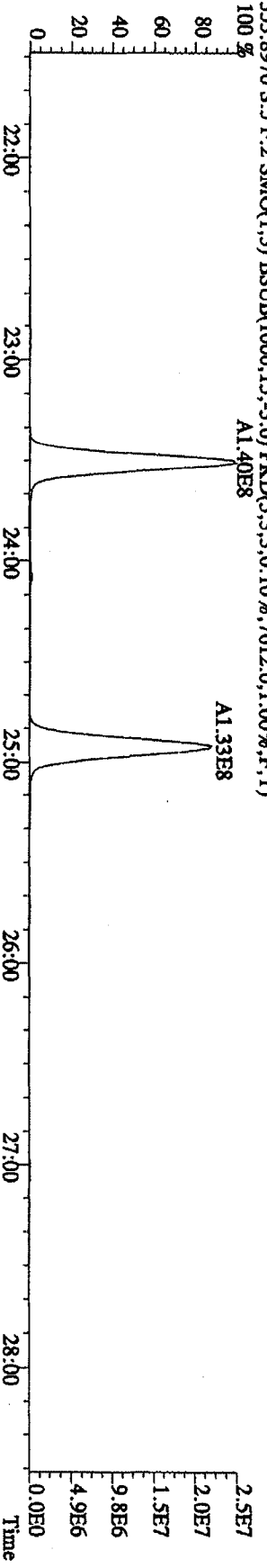
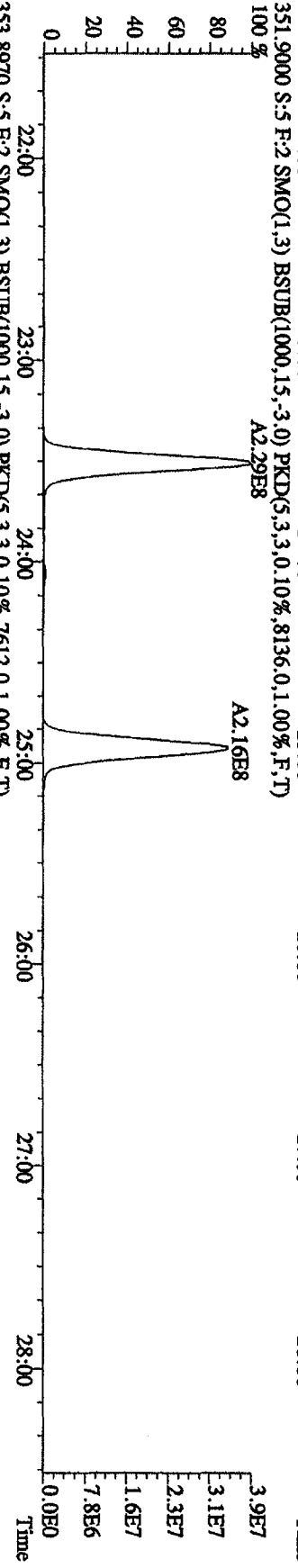
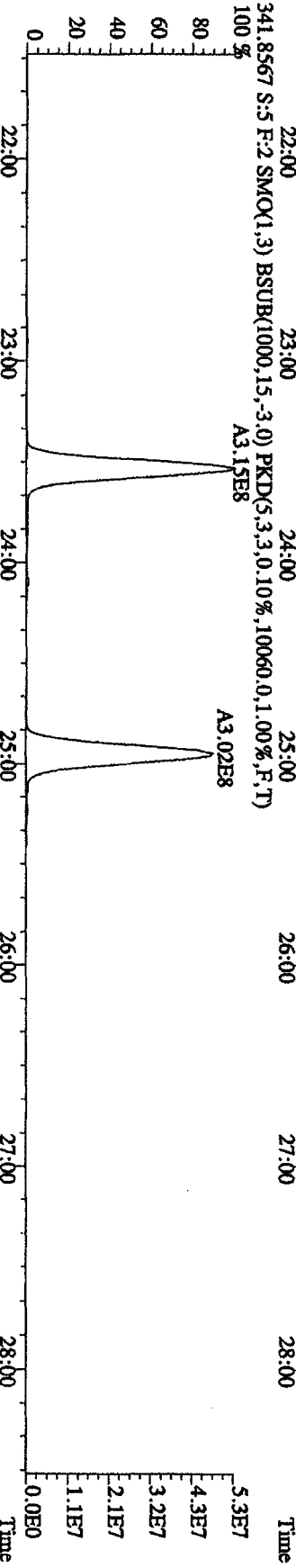
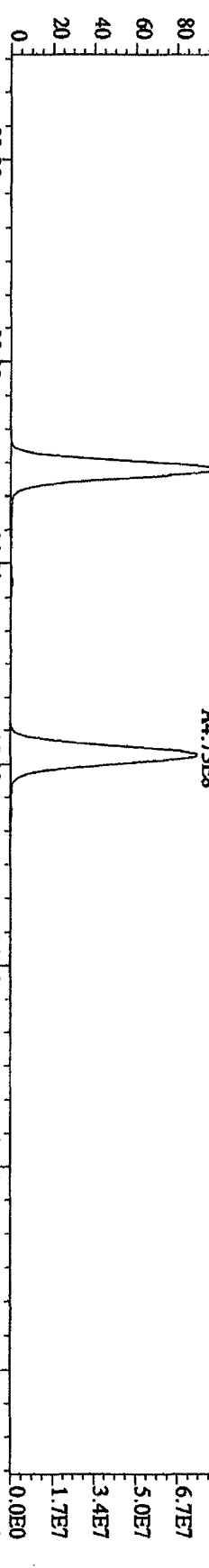


File:31DE09AID5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI + Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426

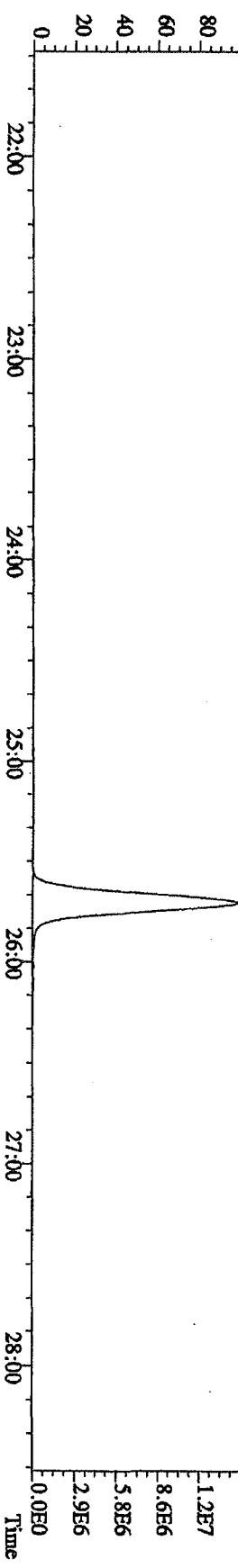
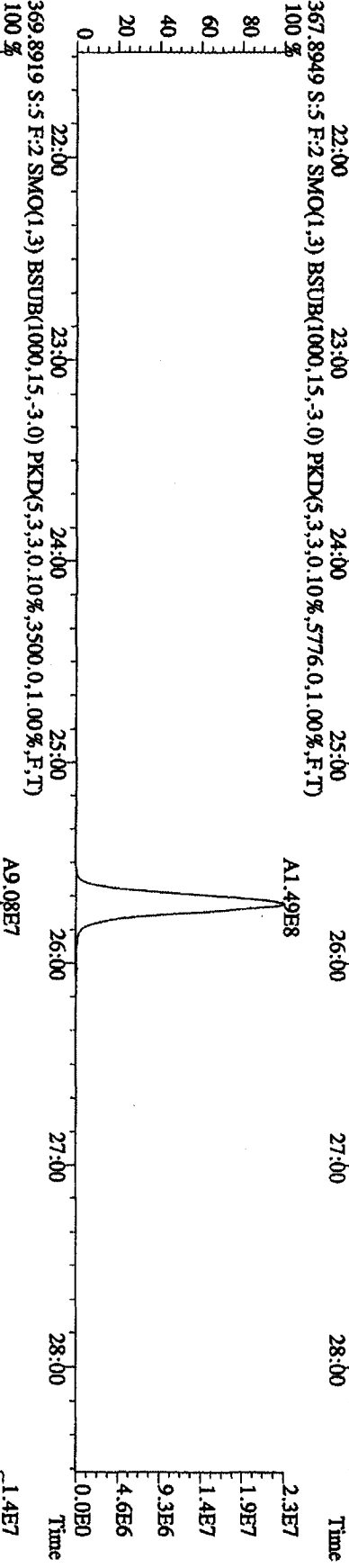
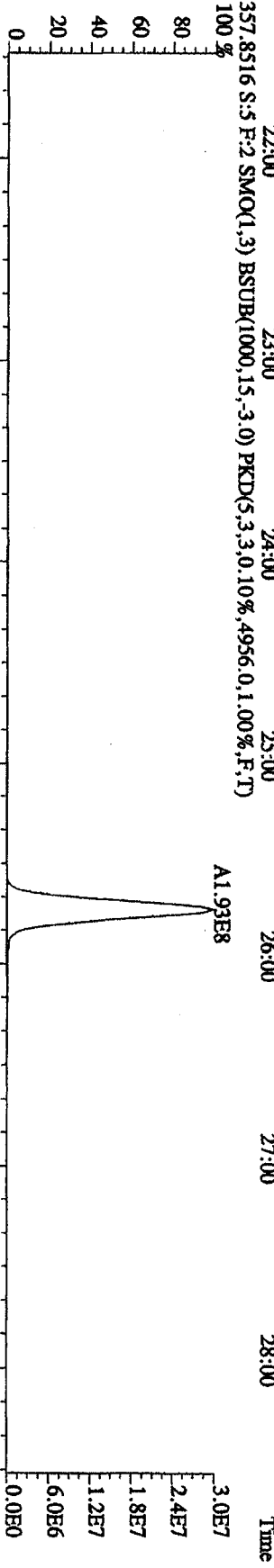
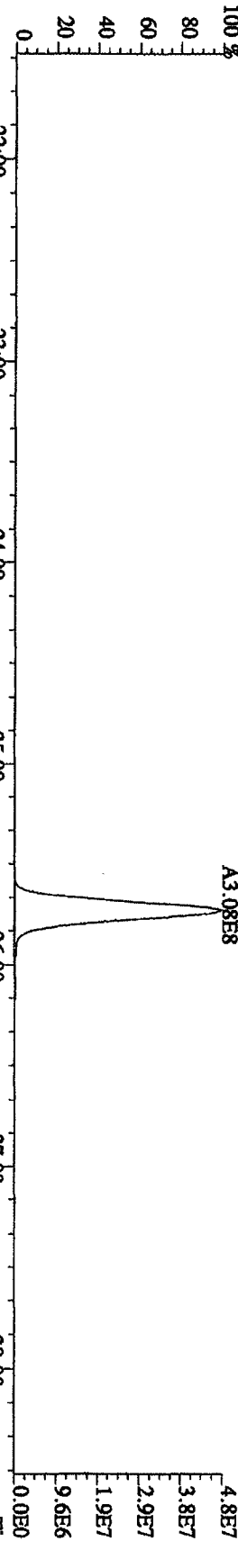
Exp:DIOXIN

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)

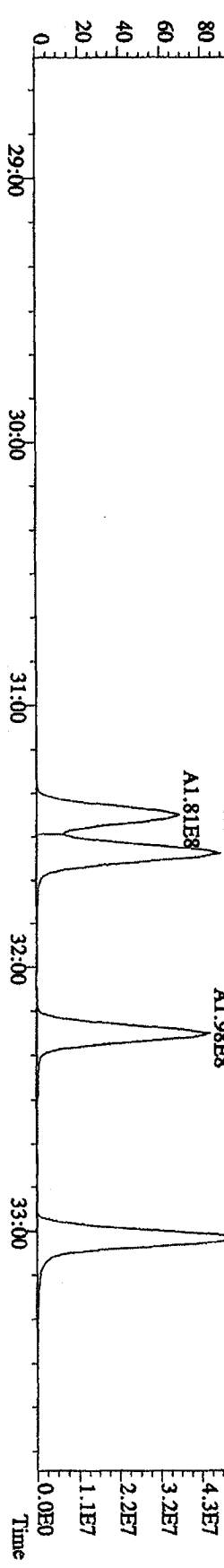
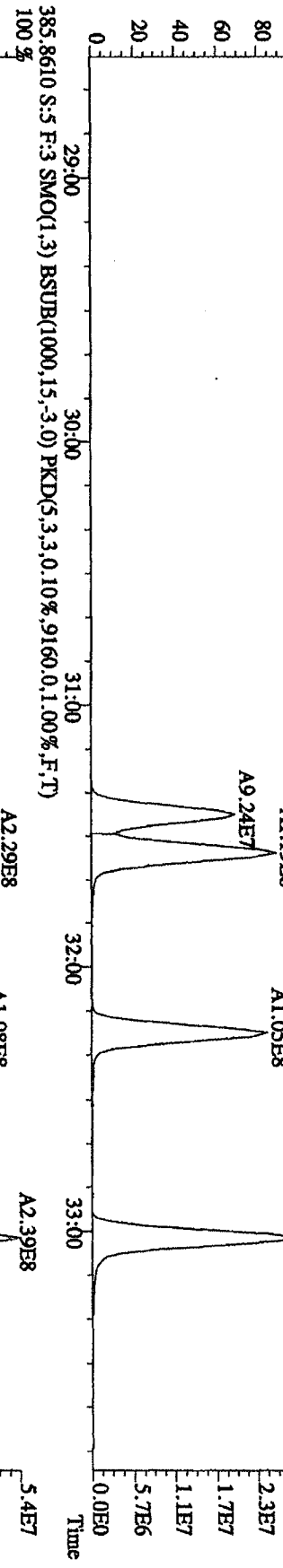
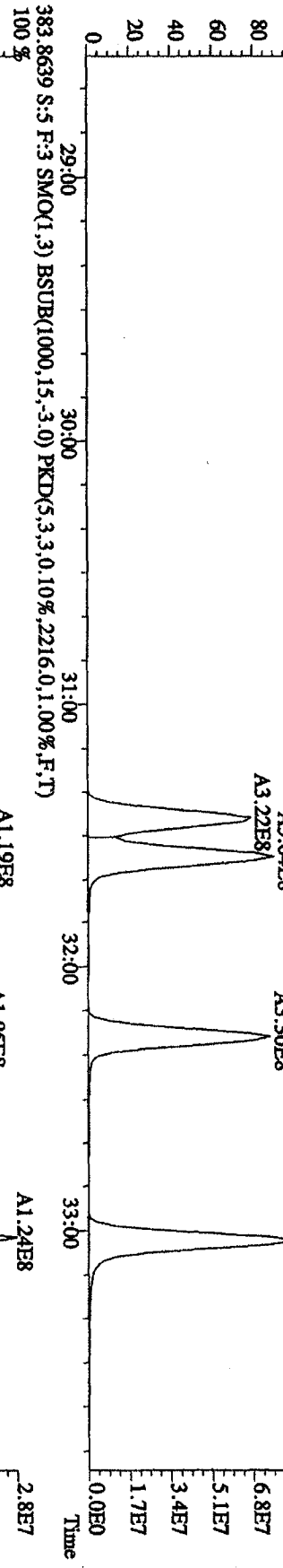
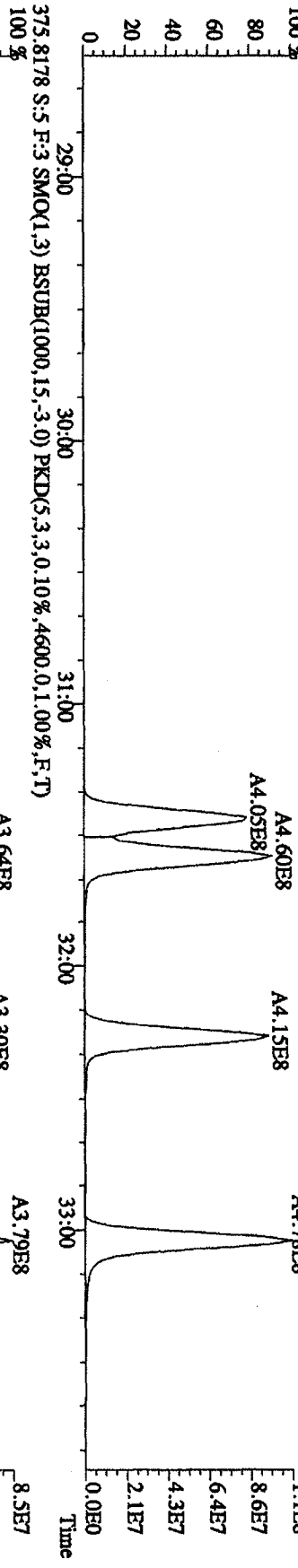


File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

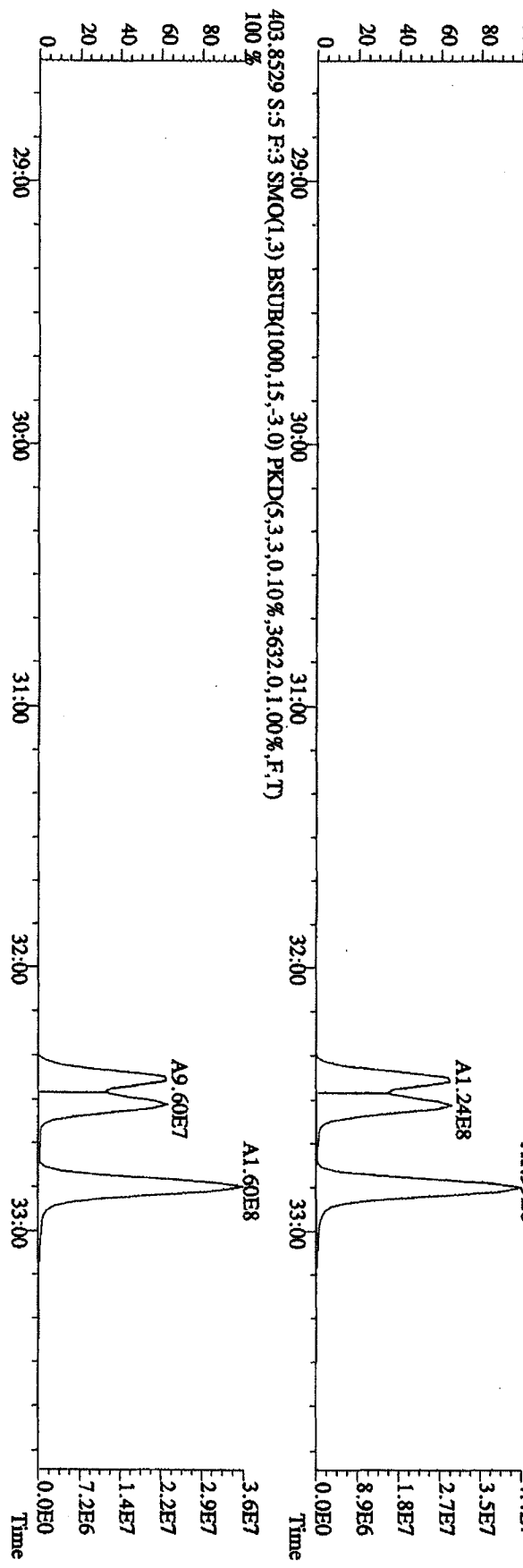
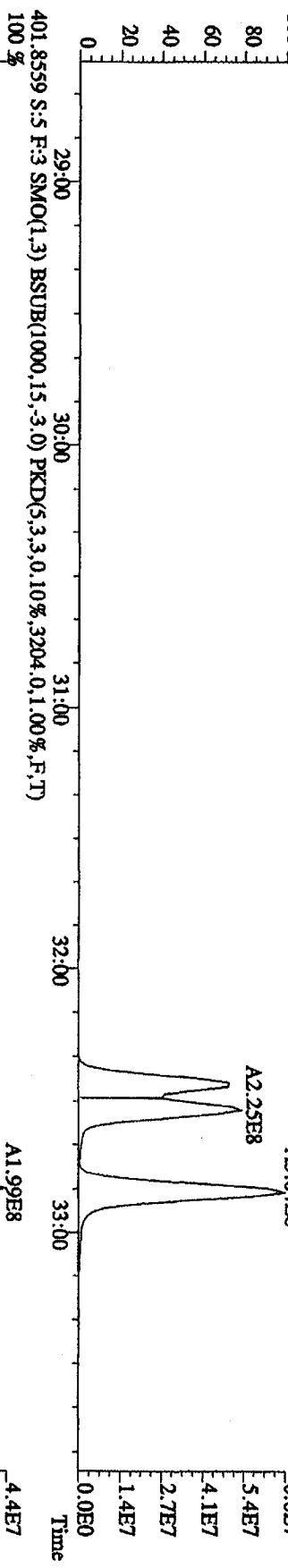
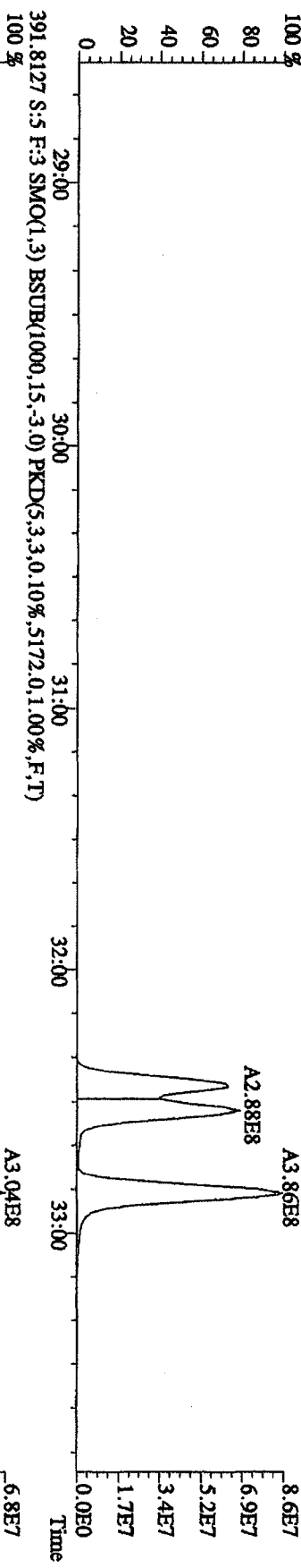
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN



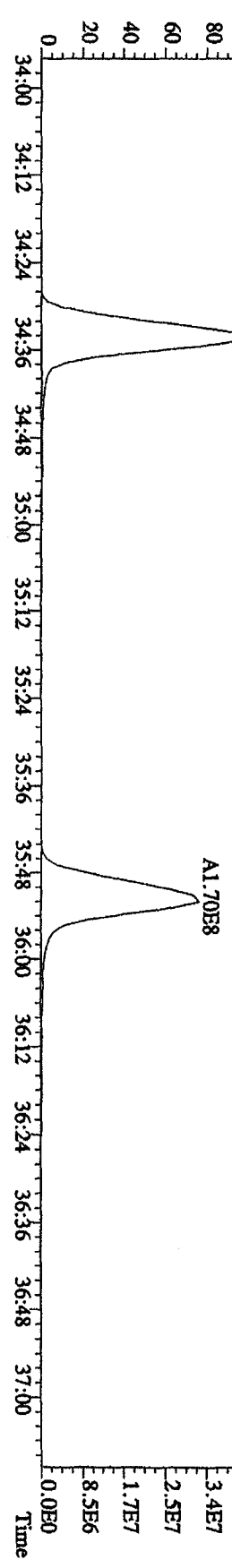
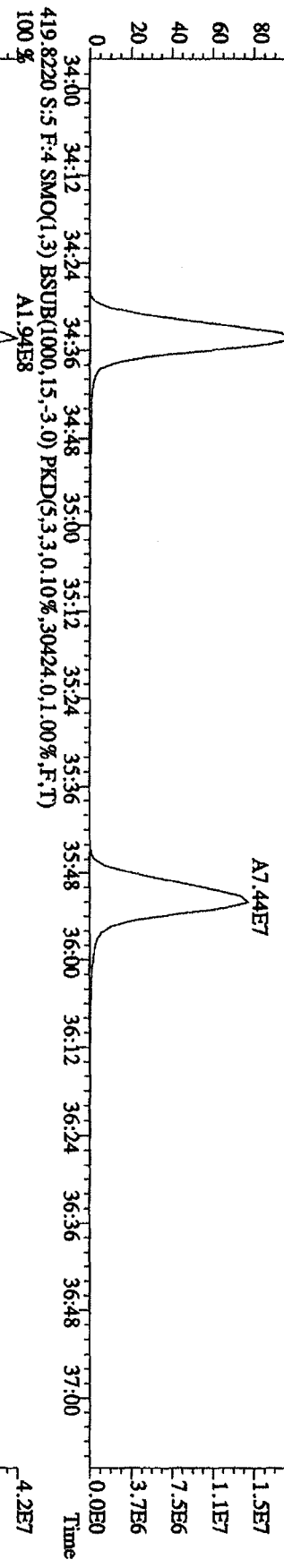
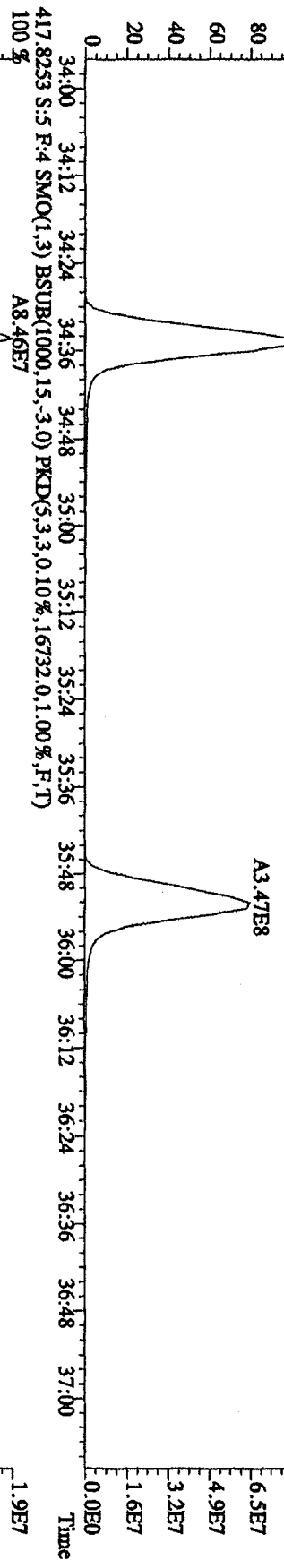
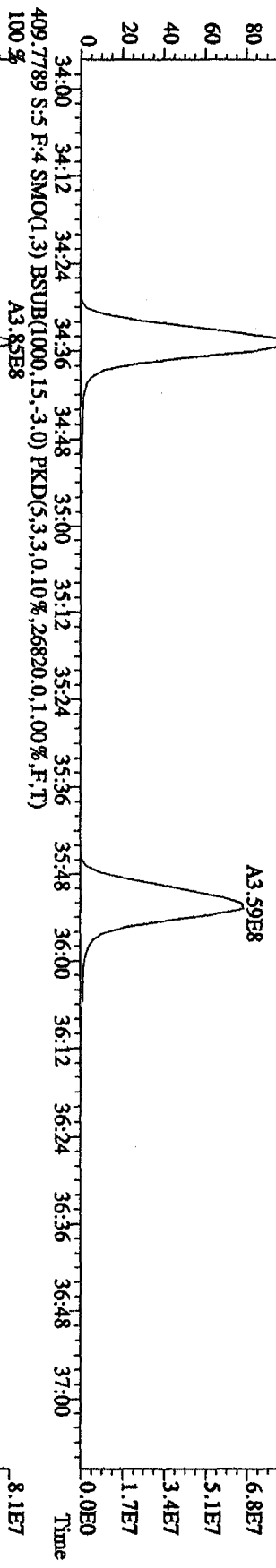
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SFR 70SE
 Sample#5 Text:ST1231E :CS 4 09DXN426 Exp:DIOXIN
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4496,0,1,00%,F,T)



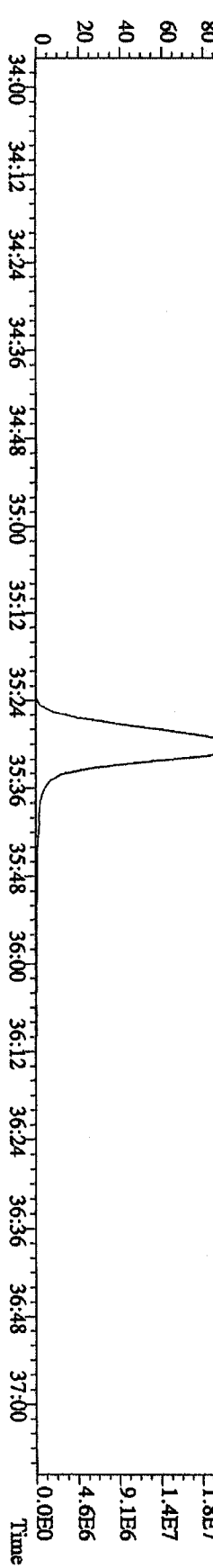
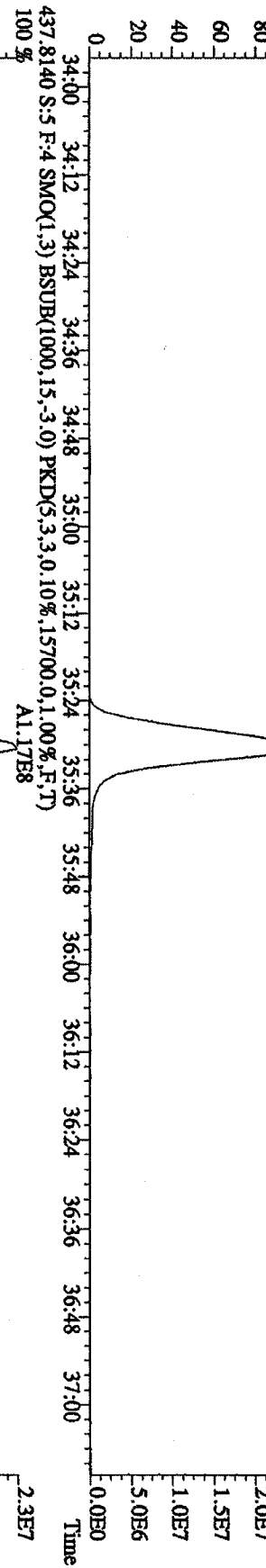
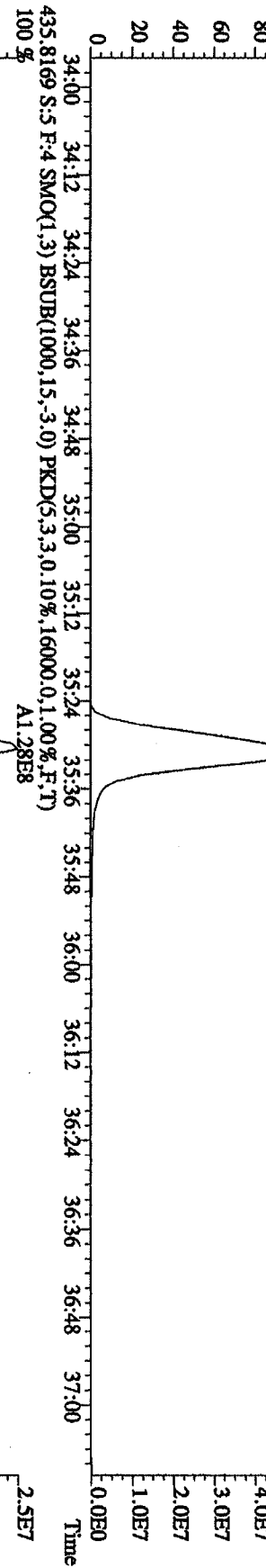
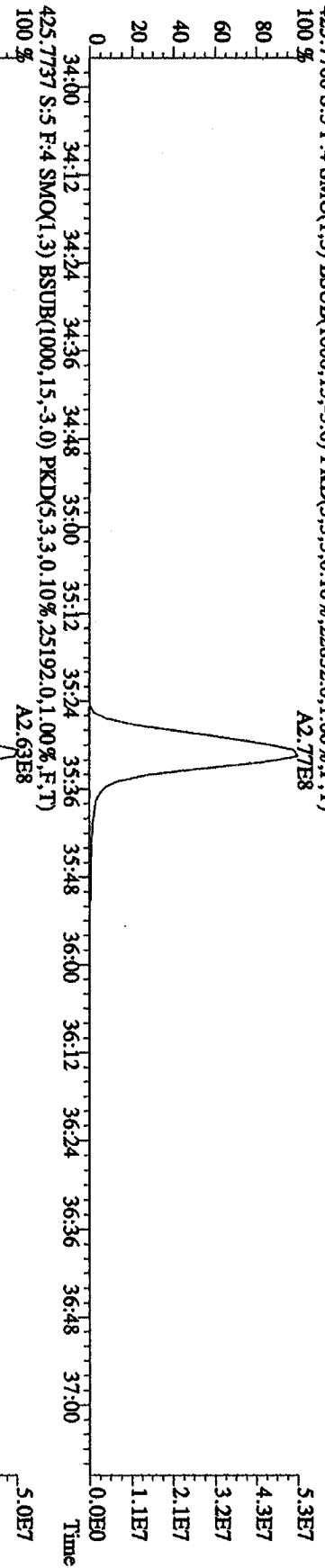
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231B :CS-4 09DXN426 Exp:DIOXIN
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3028,0,1,00%,F,T)



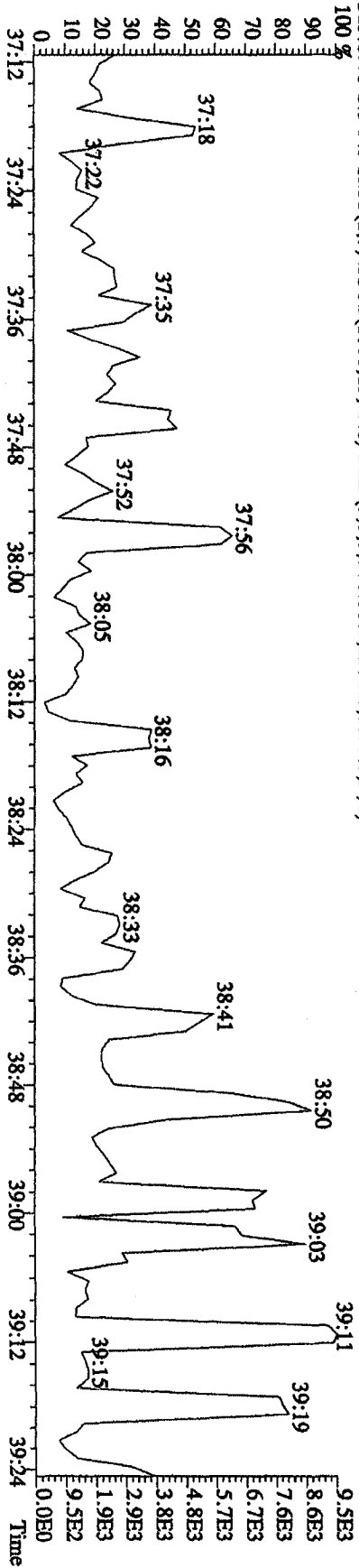
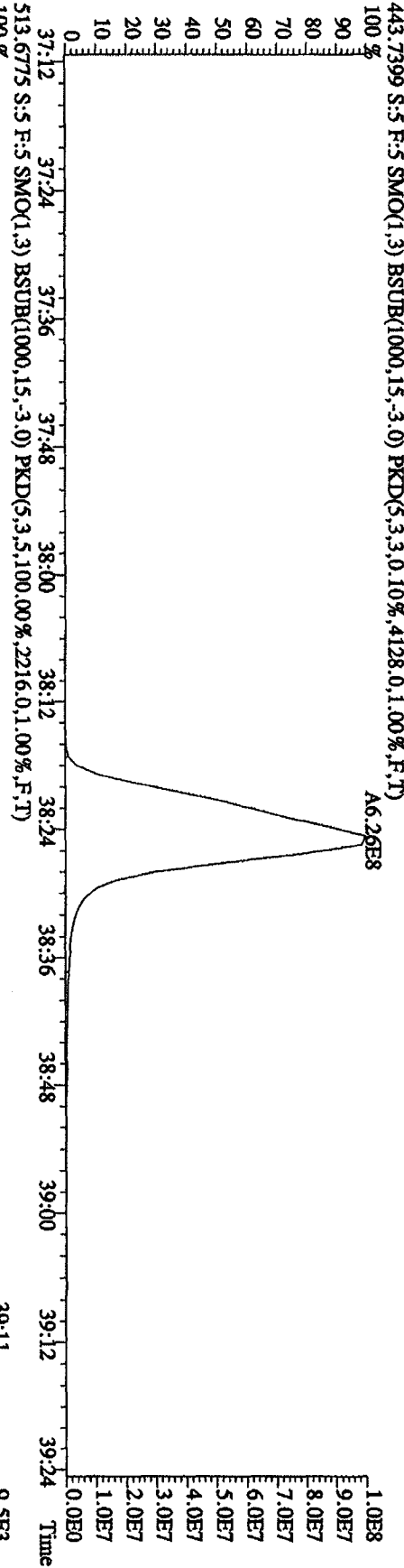
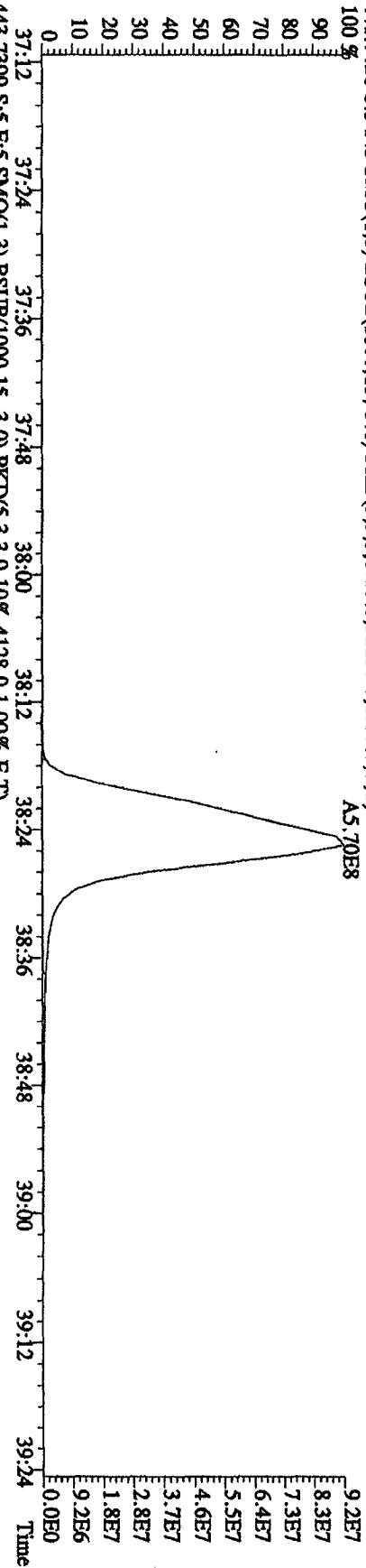
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 407.7818 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26764,0.1,00%,F,T)
 100 % A3.59E8



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
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,.22832,0.1,0.00%,F,T)
 100 %



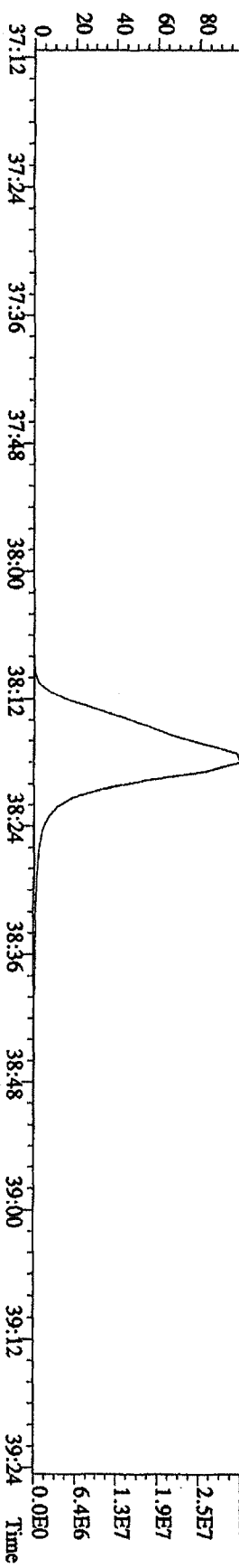
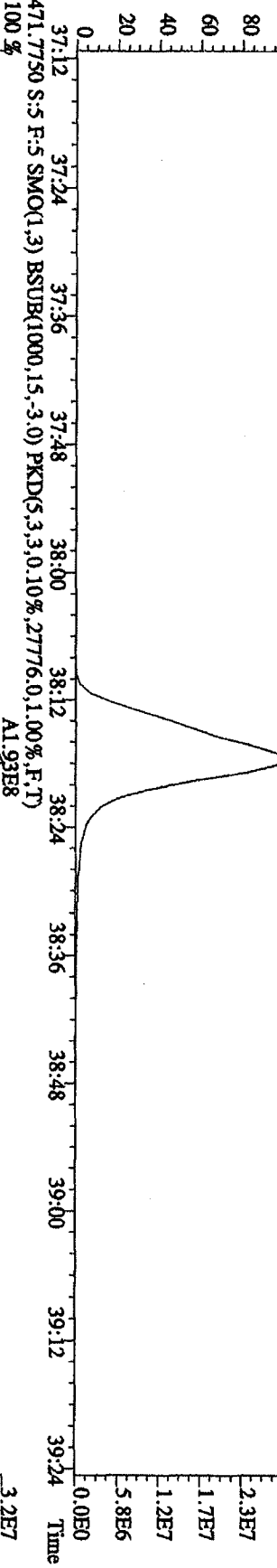
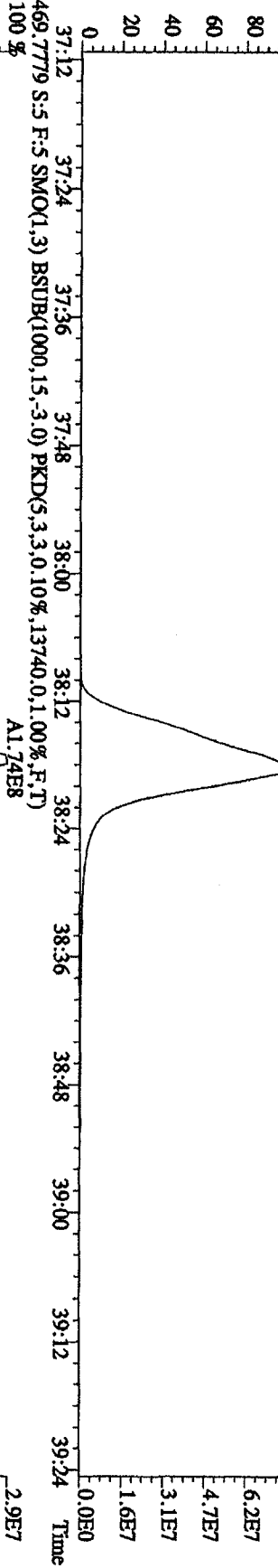
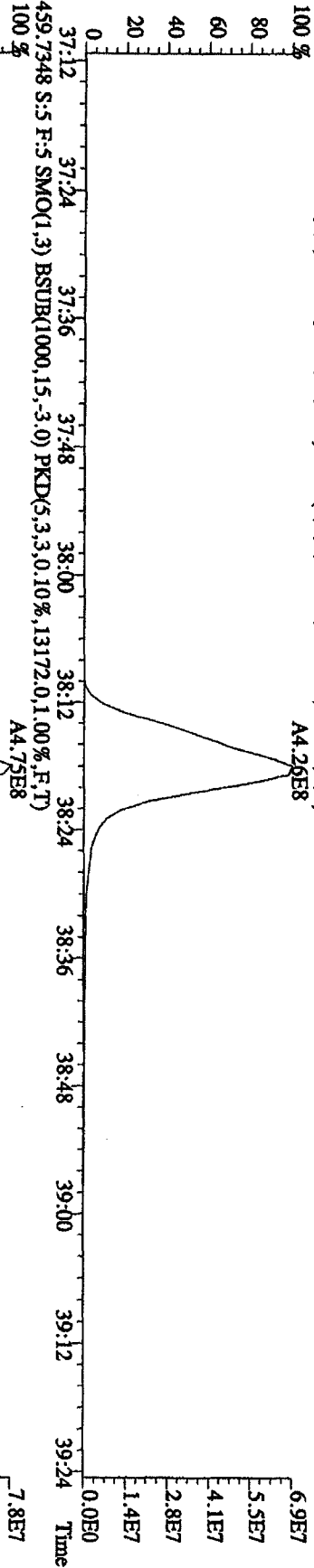
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI + Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,32256,0,1,00%,F,T)



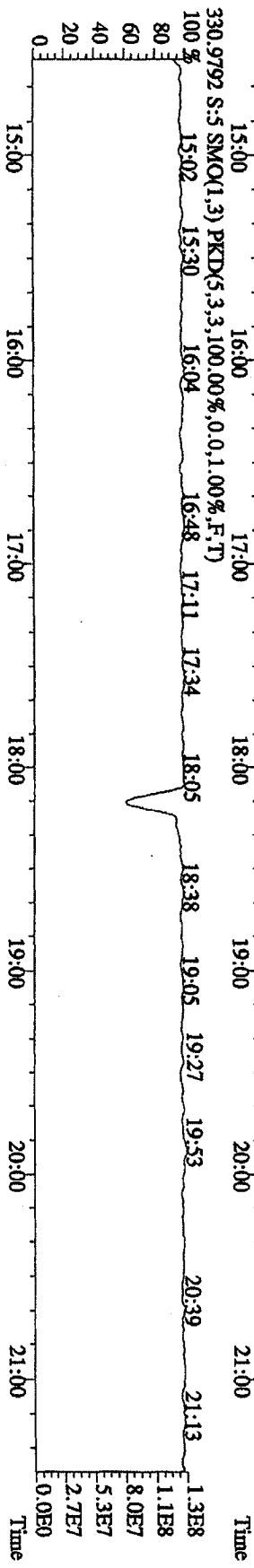
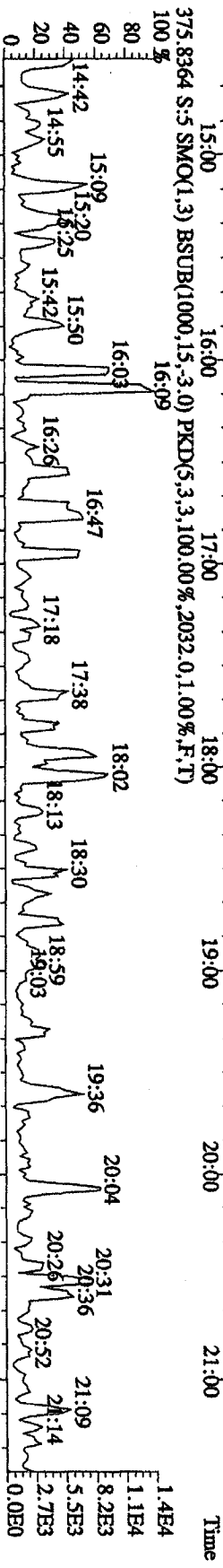
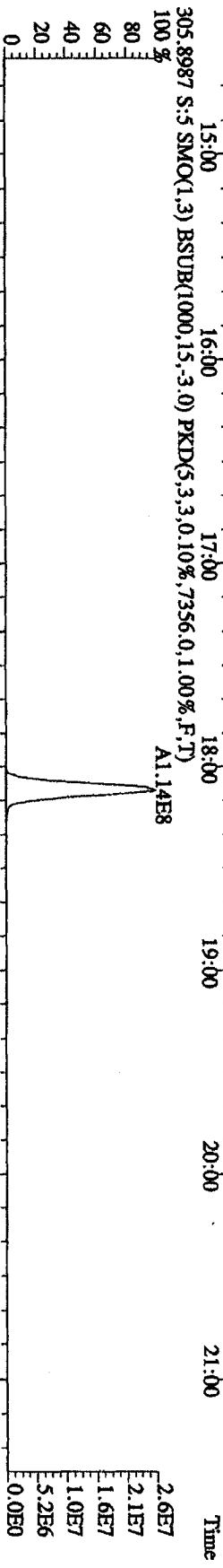
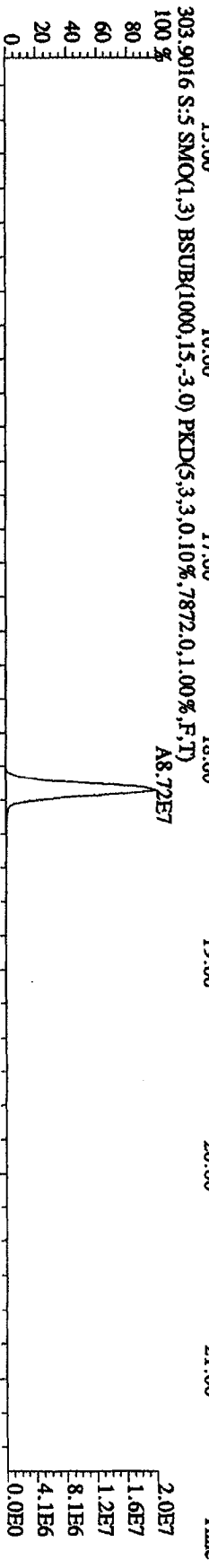
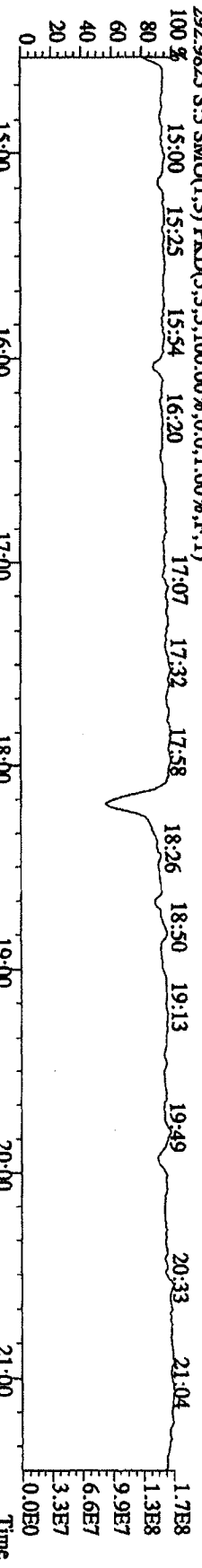
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

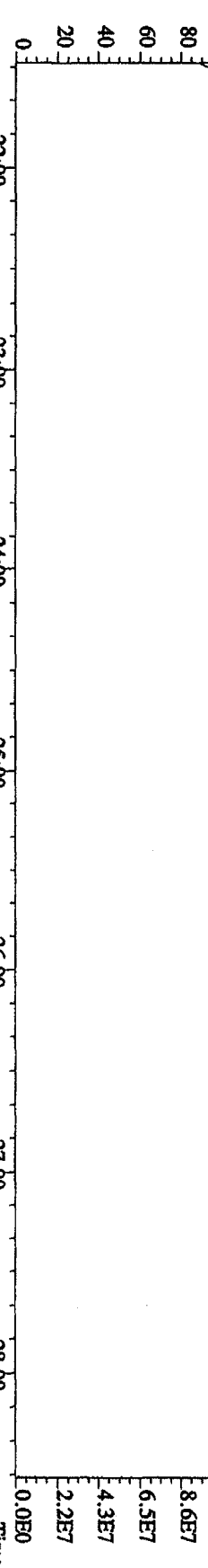
457.7377 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17292,0.1,0.00%,F,T) A4.29E8



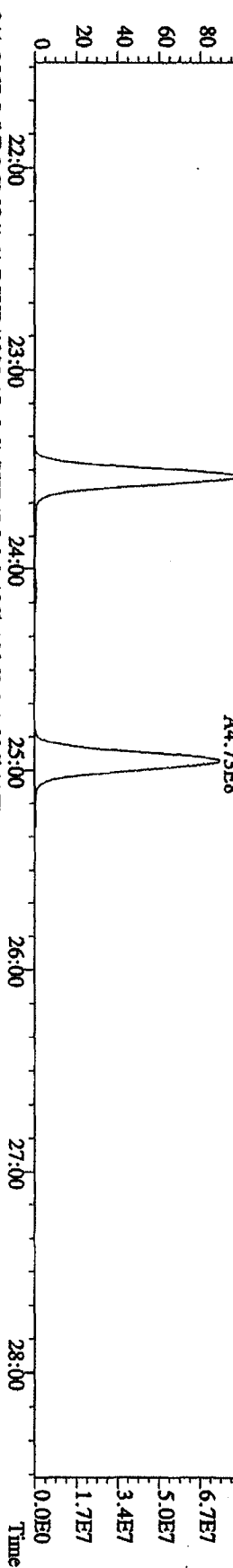
File:31DE09AID5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS 4 09DXN426 Exp:DIOXIN



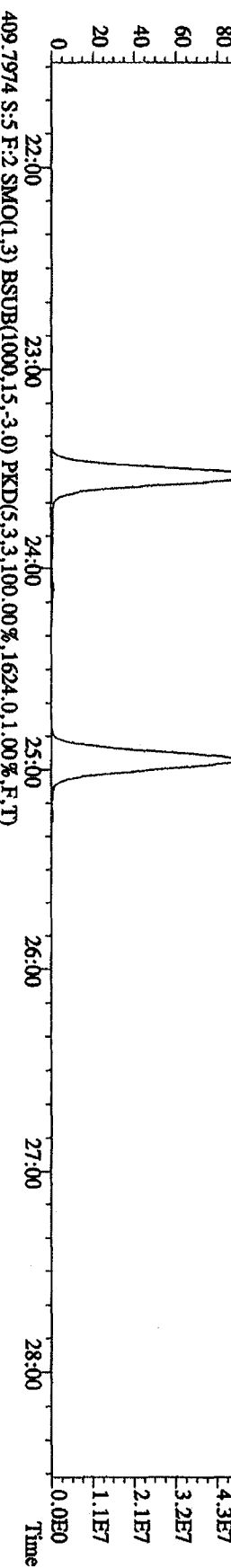
File:31DE09AID5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp.:DIOXIN
 342.9792 S:5 F:2 SMO(1,3) PKID(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 21:48 22:30 23:15 23:54 24:28 25:12 25:44 26:05 26:30 26:53 27:39 28:22



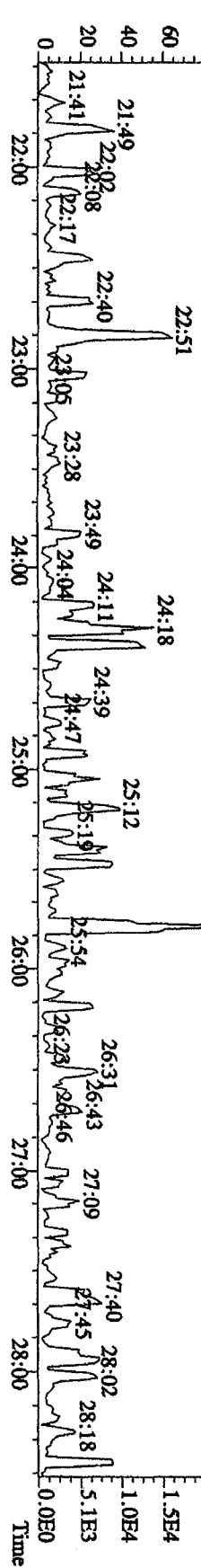
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKID(5,3,3,0,10%,9004,0,1,00%,F,T)
 100% A4.99E8 A4.73E8



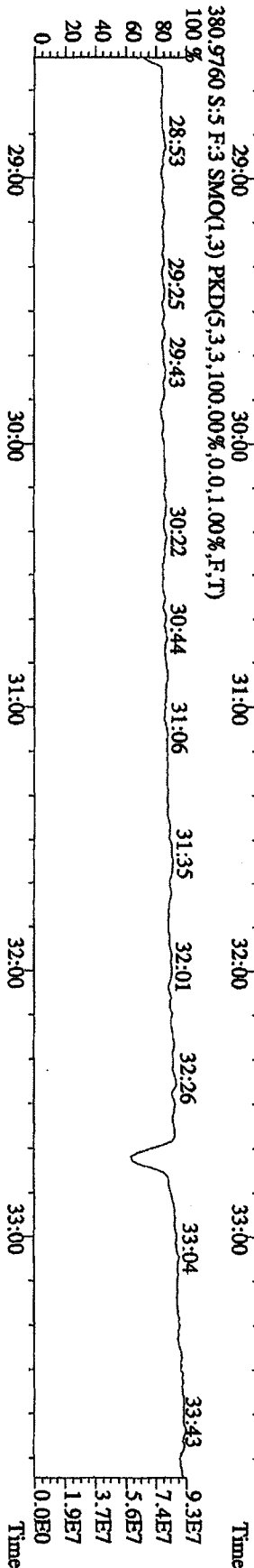
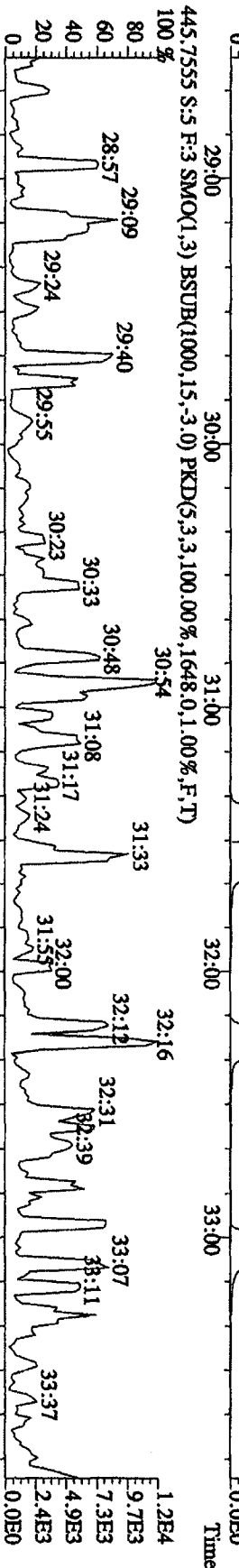
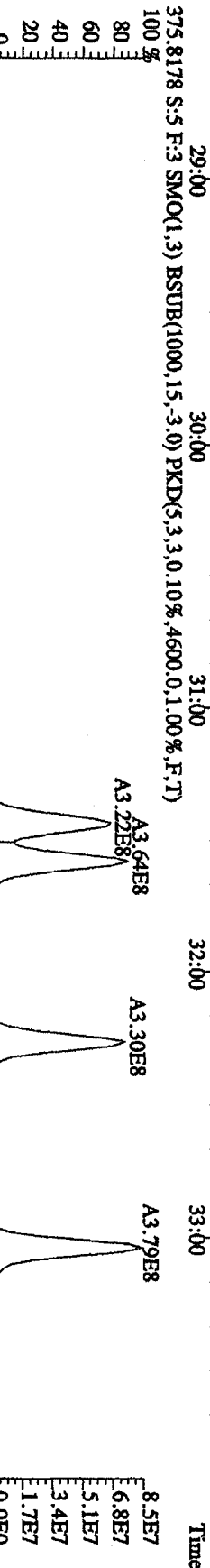
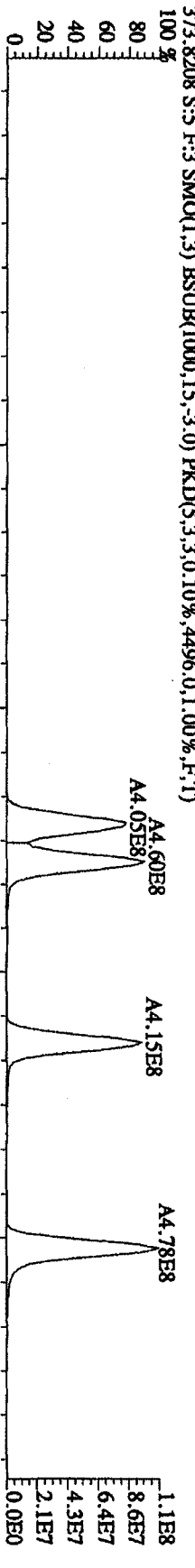
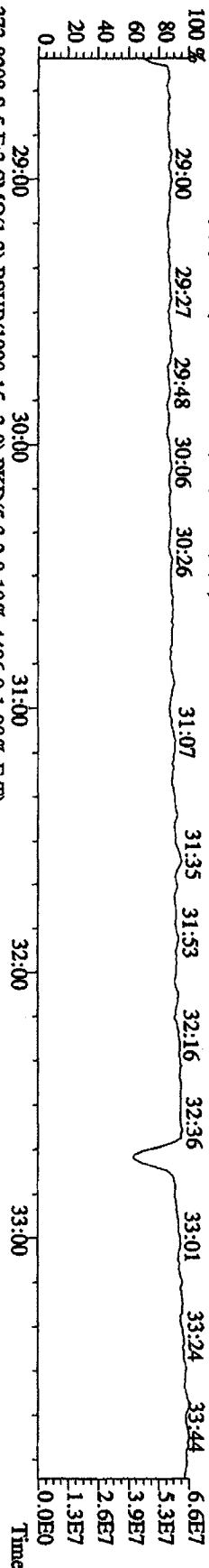
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKID(5,3,3,0,10%,10060,0,1,00%,F,T)
 100% A3.15E8 A3.02E8



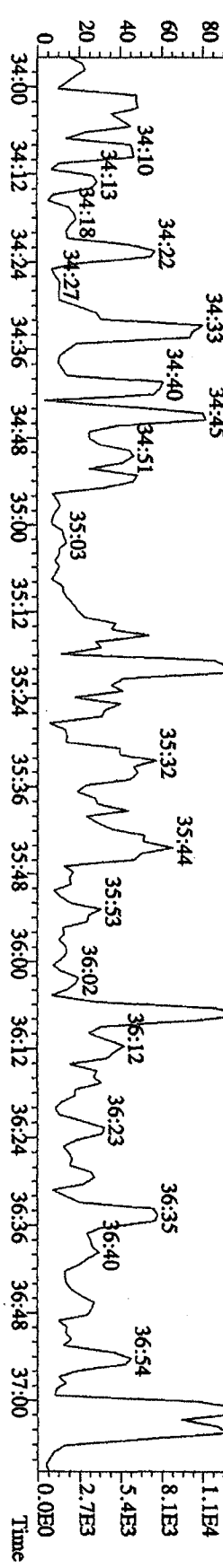
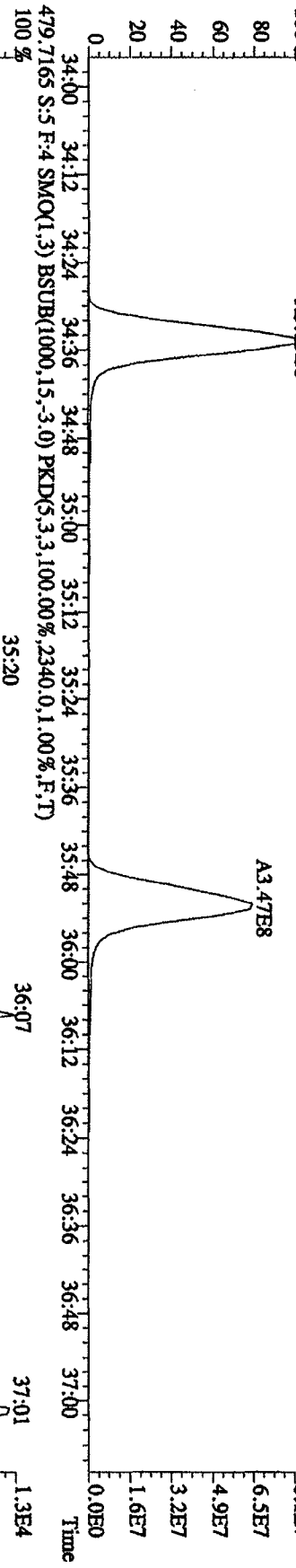
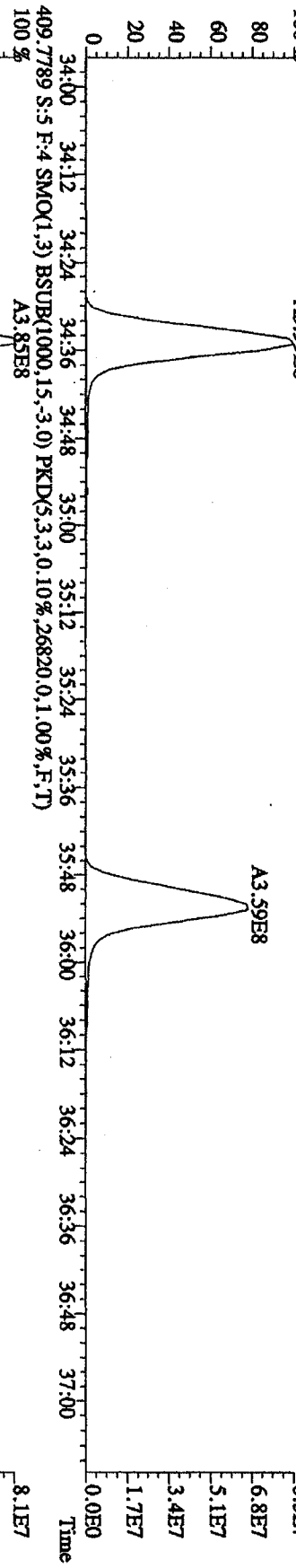
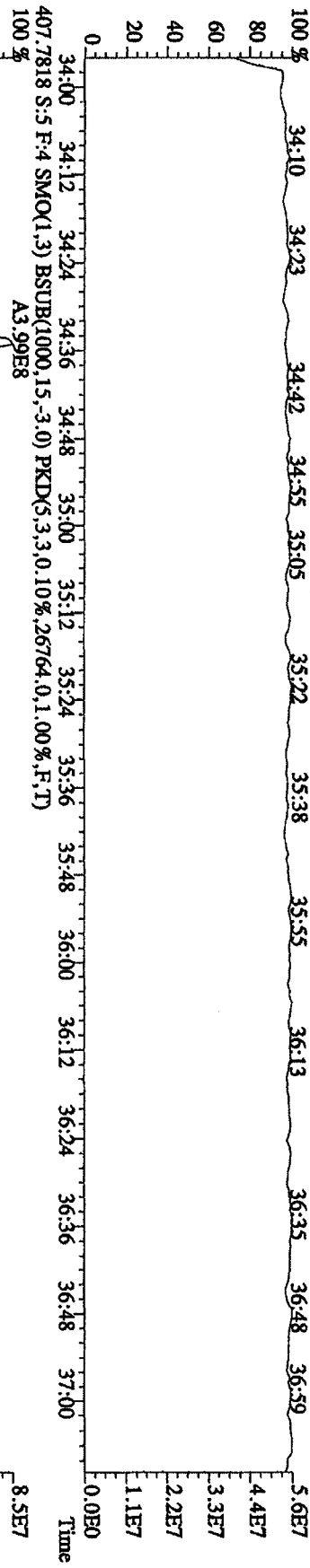
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKID(5,3,3,100,00%,1624,0,1,00%,F,T)
 100%



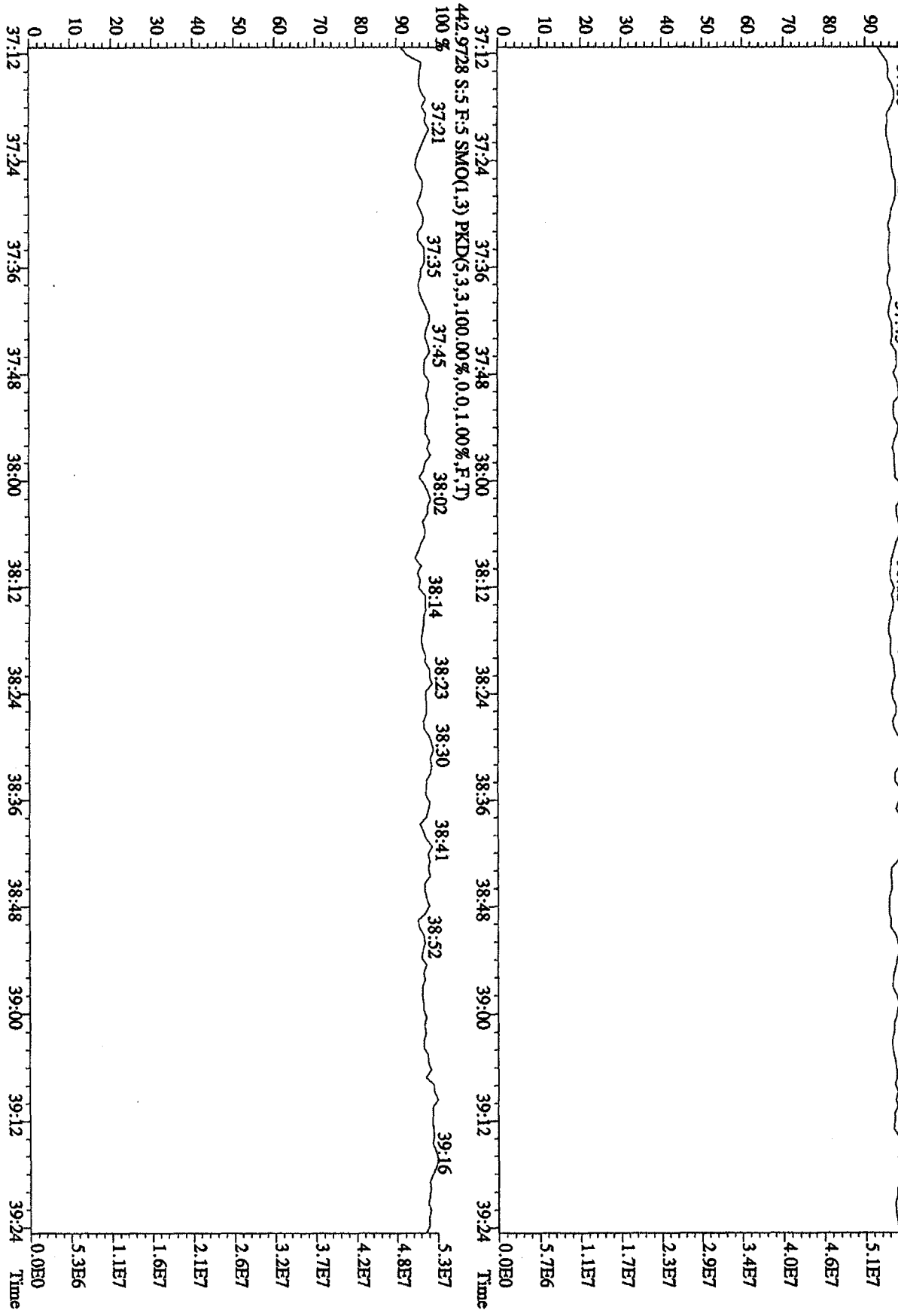
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS 4 09DXN426 Exp:DIOXIN
 392.9760 S.S.F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



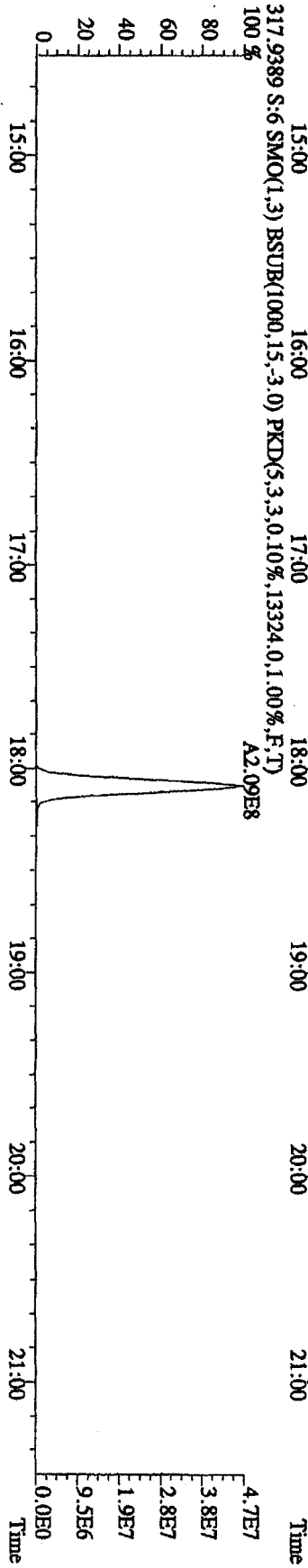
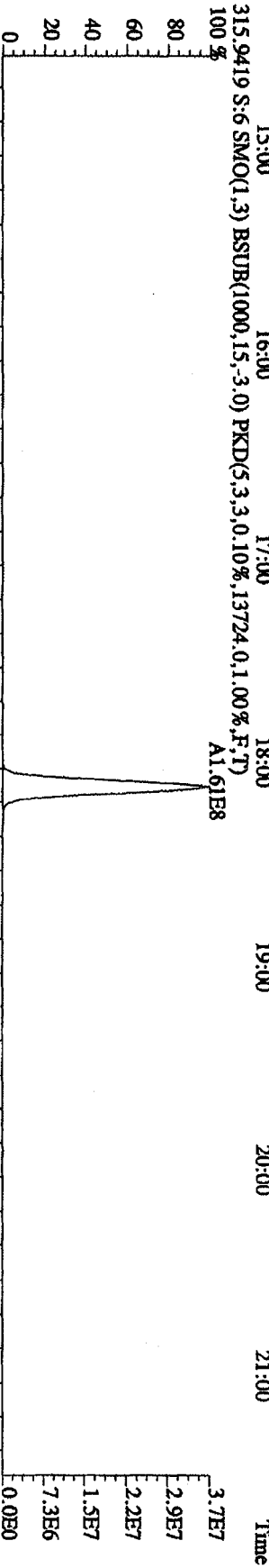
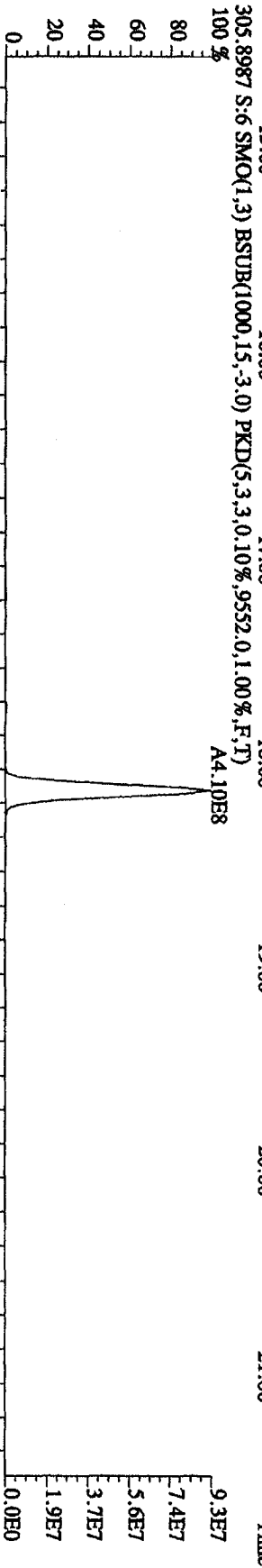
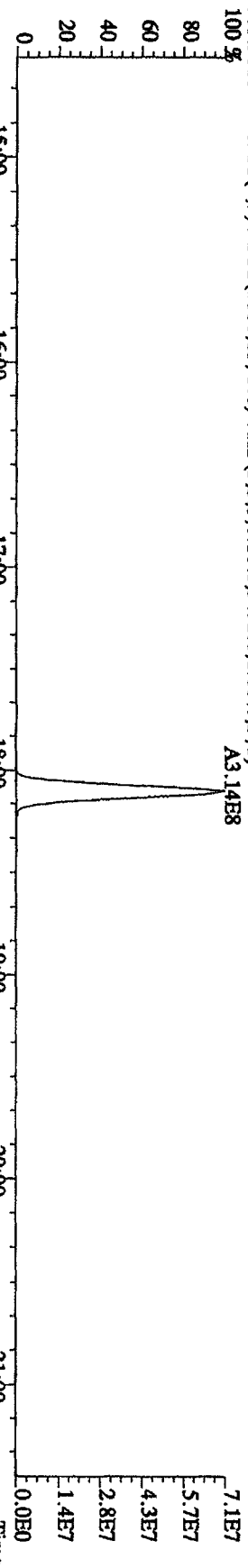
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100 % 34:10 34:23 34:42 34:55 35:05 35:22 35:38 35:55 36:13 36:35 36:48 36:59



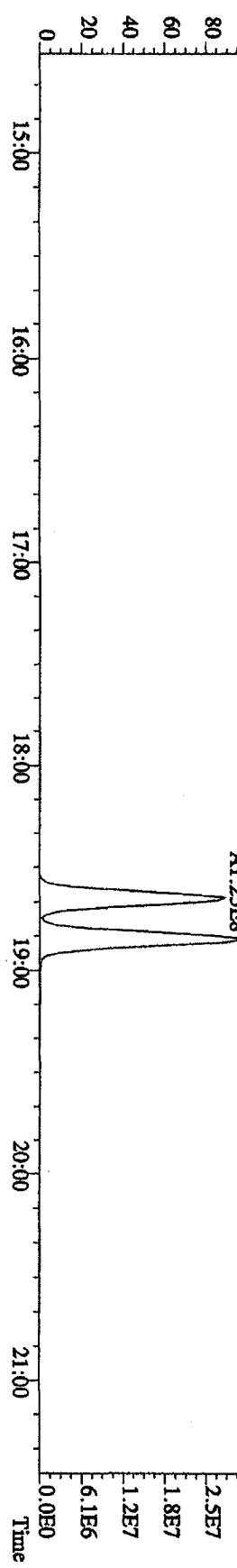
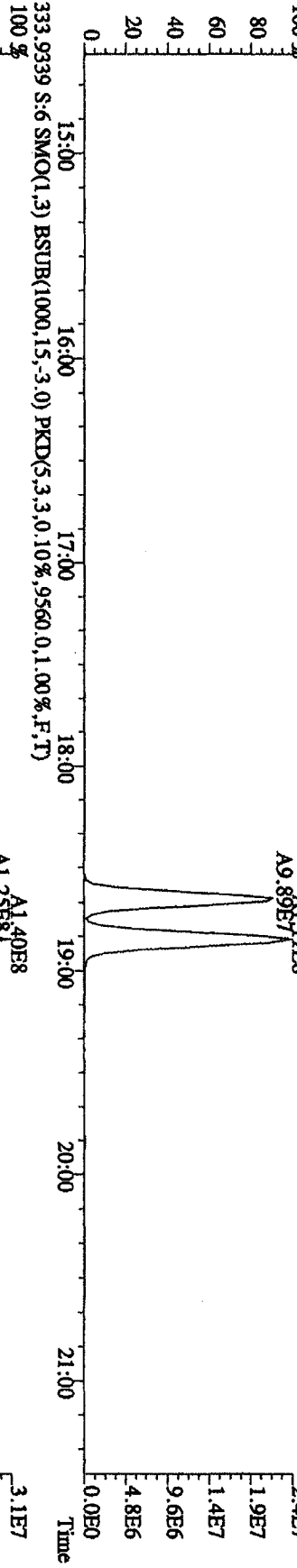
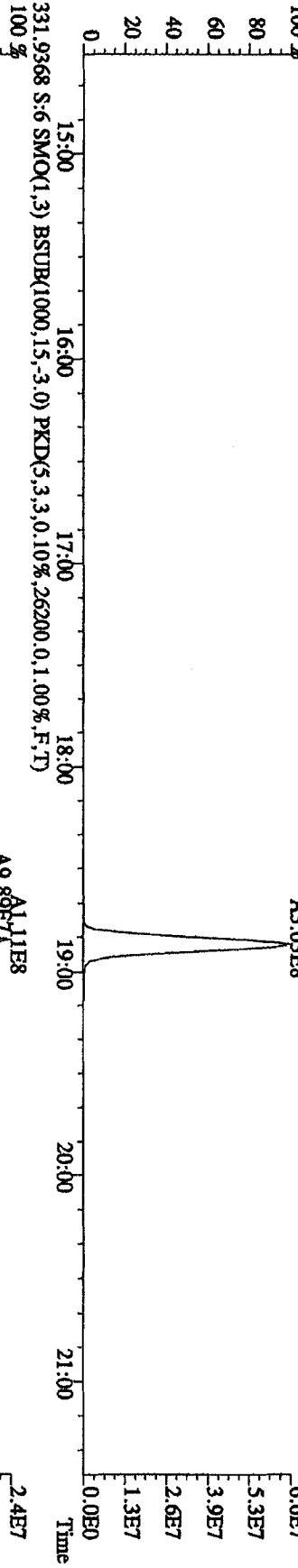
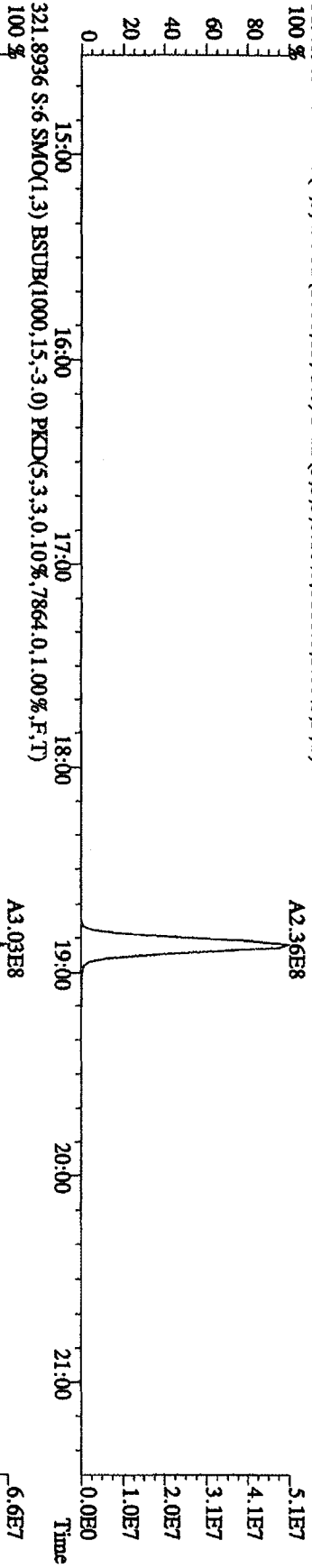
File:31DE09AID5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI + Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXM426 Exp:DIOXIN
 454.9728 S.S.F.:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:16 37:27 37:43 37:50 38:02 38:12 38:22 38:30 38:39 38:53 39:15 5.7E7



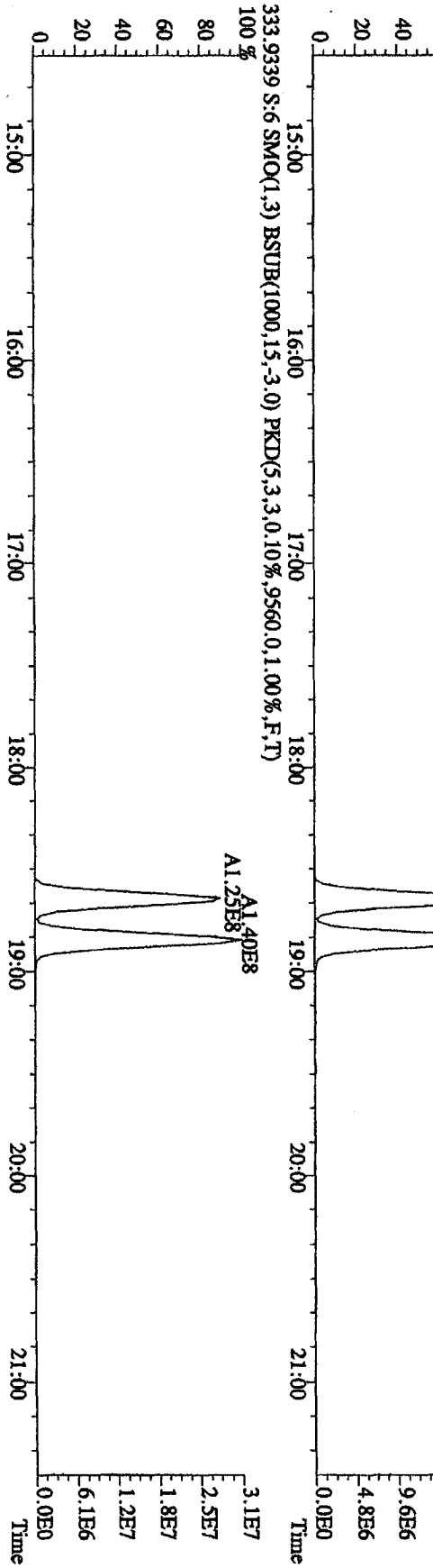
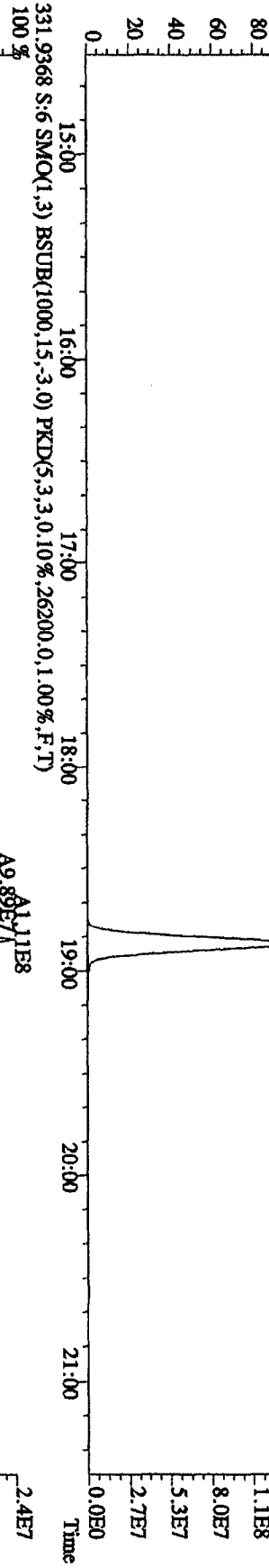
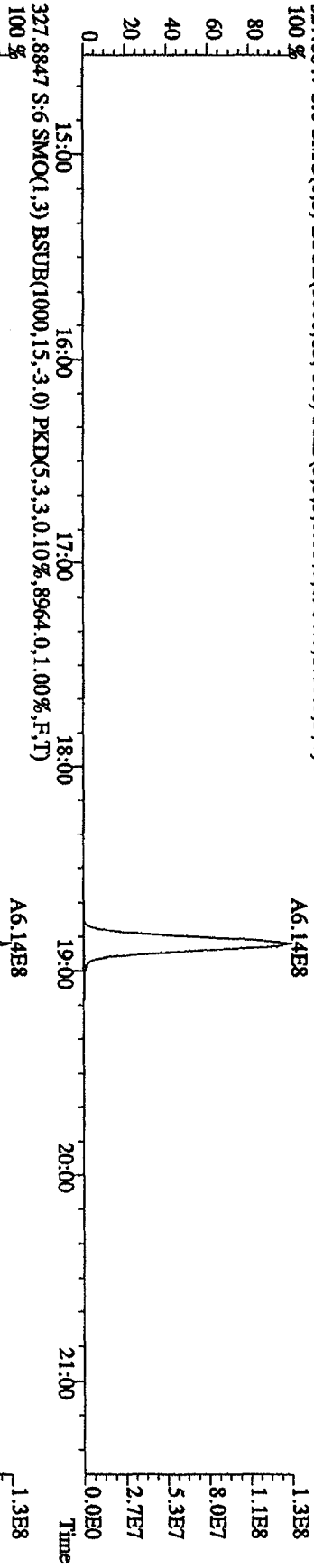
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI + Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9492,0,1,00%,F,T)
 100%



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8180,0,1,00%,F,T)
 100 %



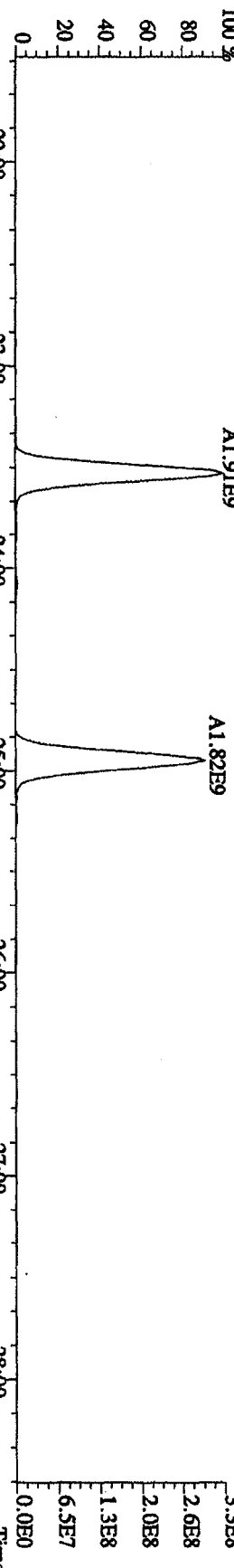
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST123IF :CS-5 09DXN456 Exp:DIOXIN
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8964,0,1,00%,F,T)



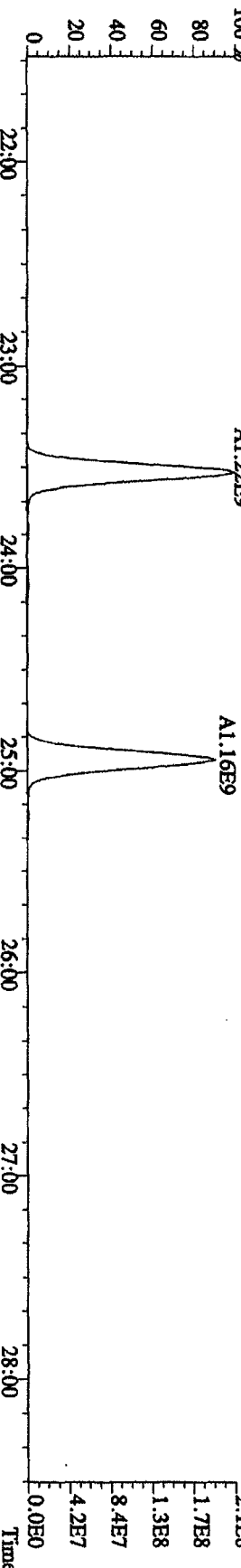
File:31DE09A1D5 #1-495 Acq: 1-1AN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F -CS-5 09DXN456 Exp:DIOXIN

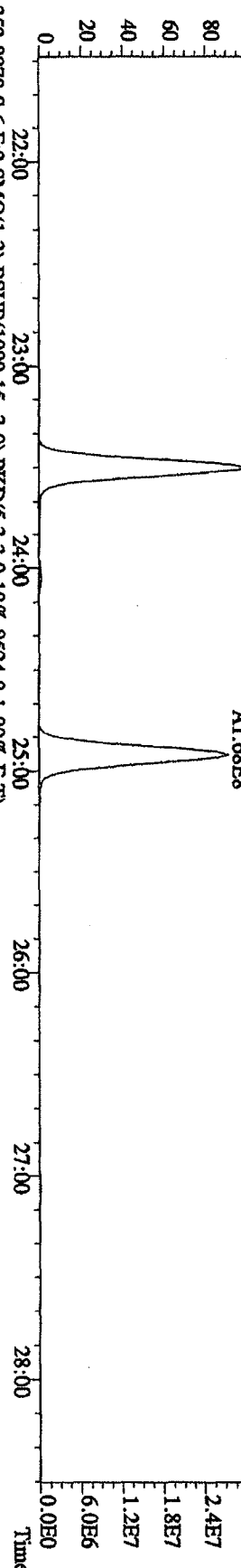
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,21616,0.1,00%,F,T)



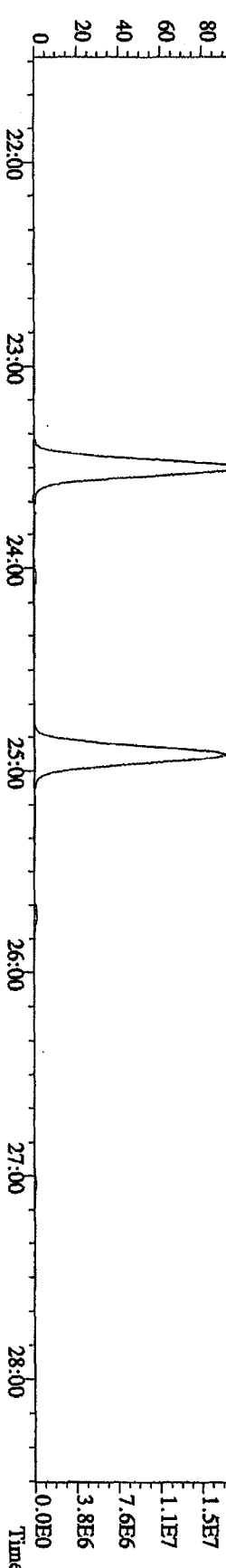
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11104,0.1,00%,F,T)



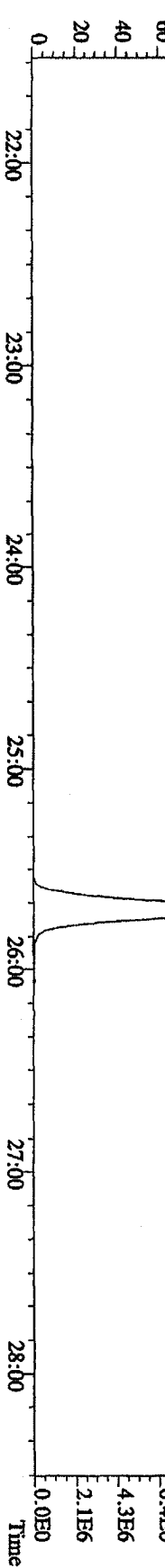
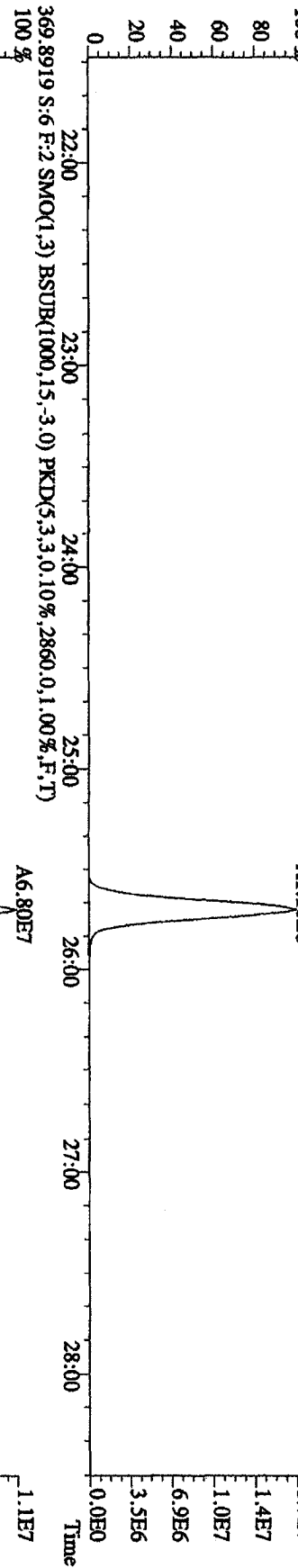
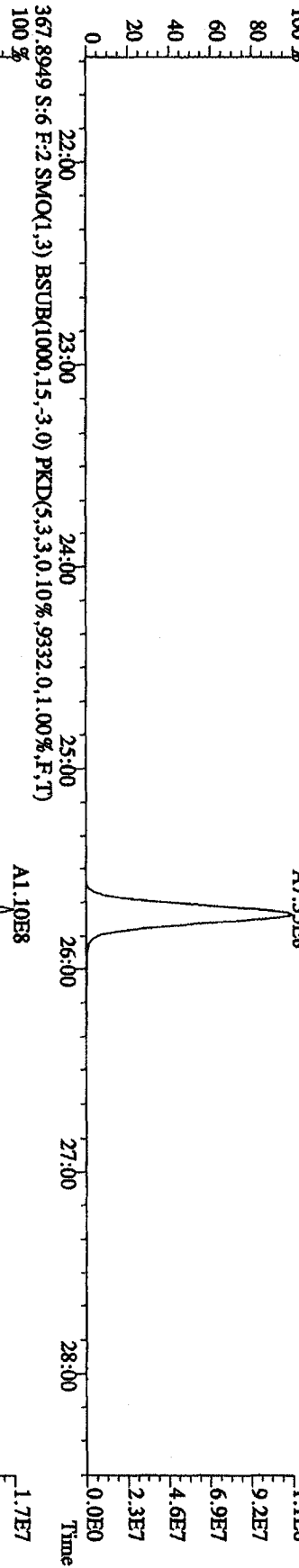
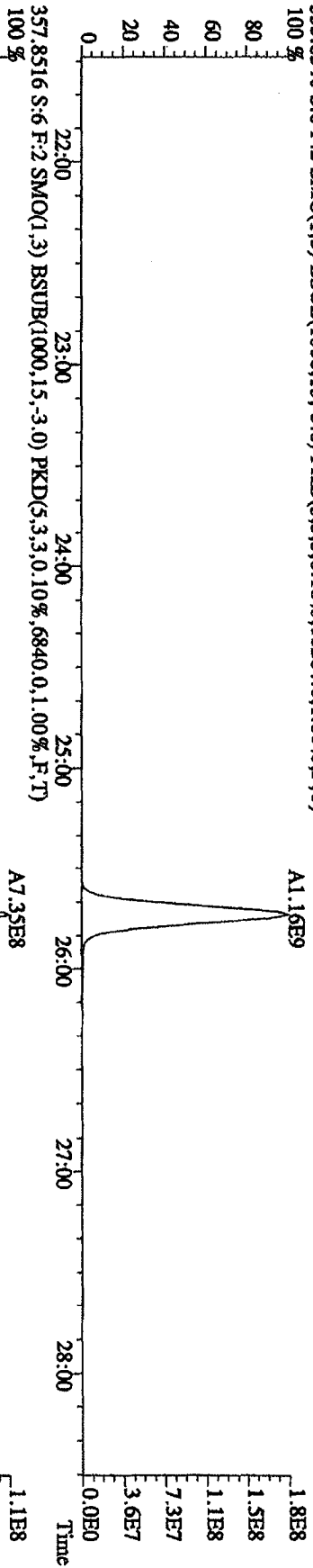
351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5164,0.1,00%,F,T)



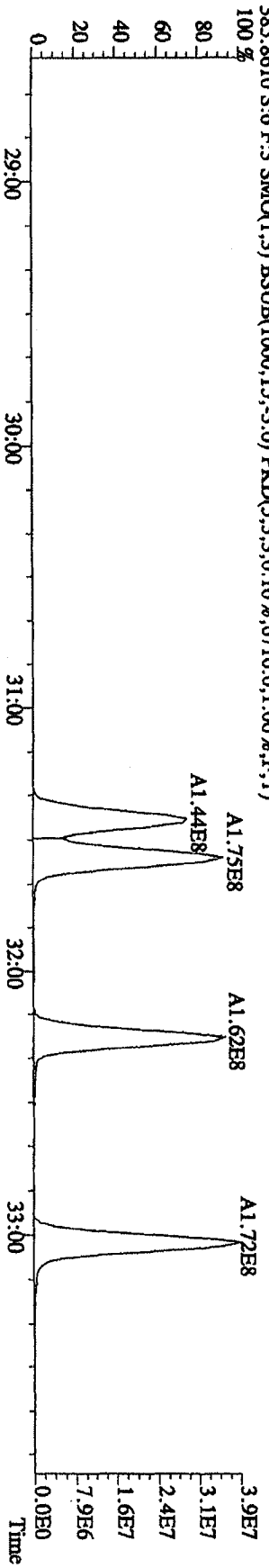
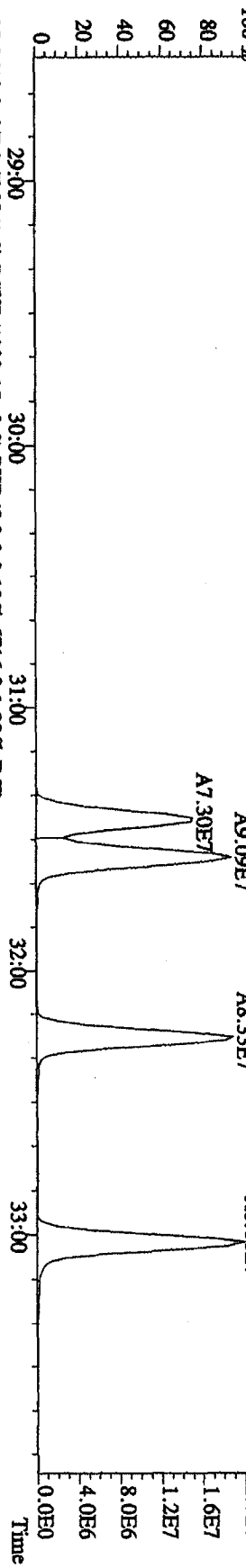
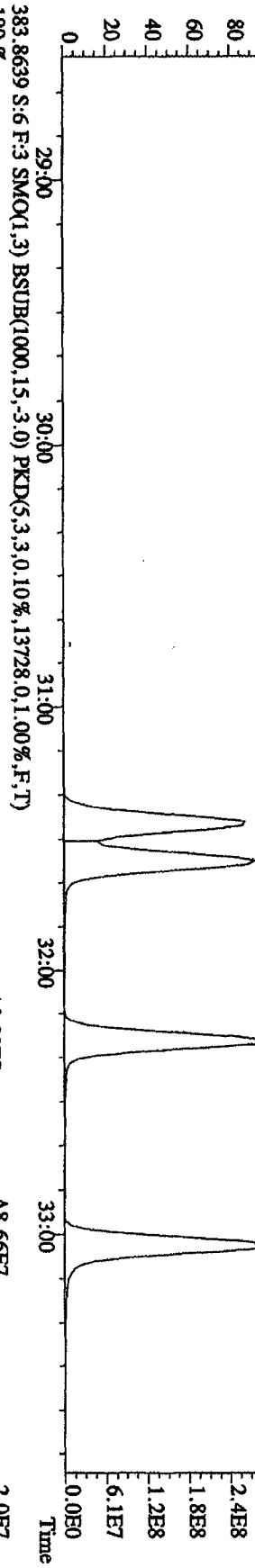
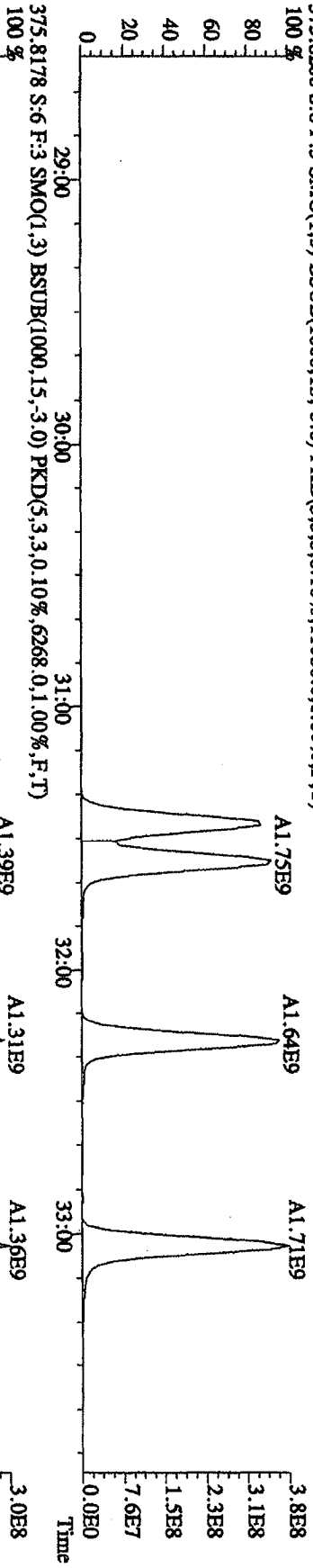
353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8524,0.1,00%,F,T)



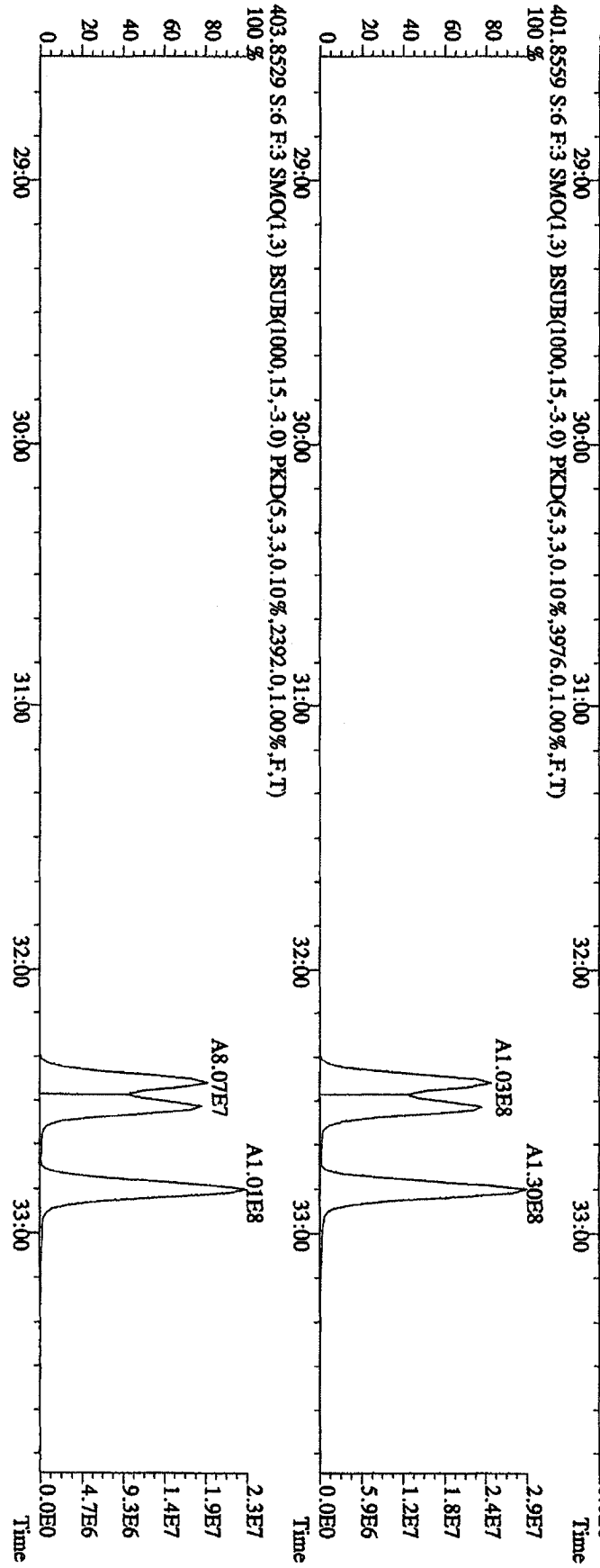
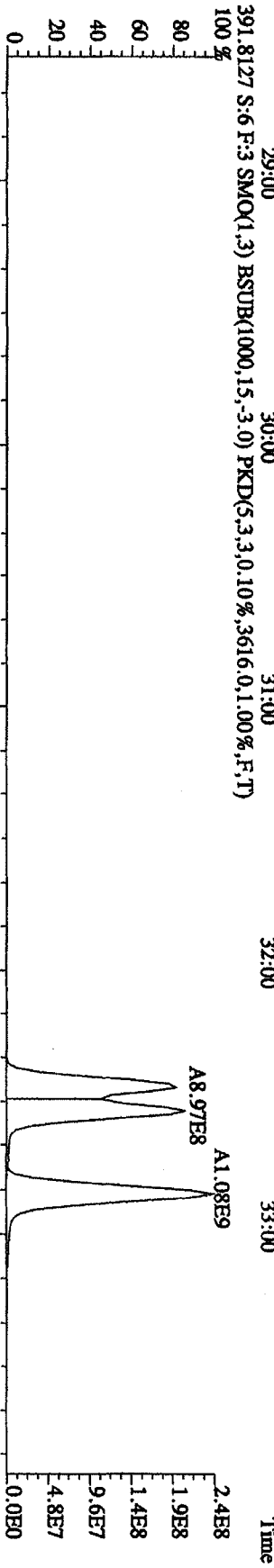
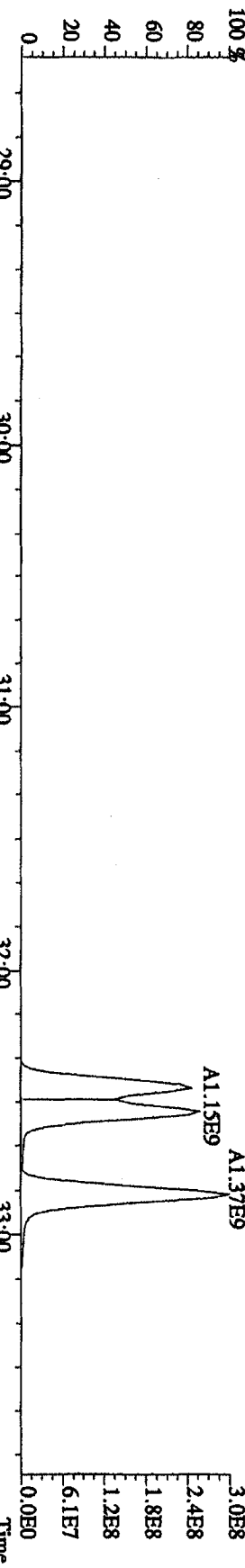
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI + Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DDXN456 Exp:DIOXIN
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11264,0.1,00%,F,T)



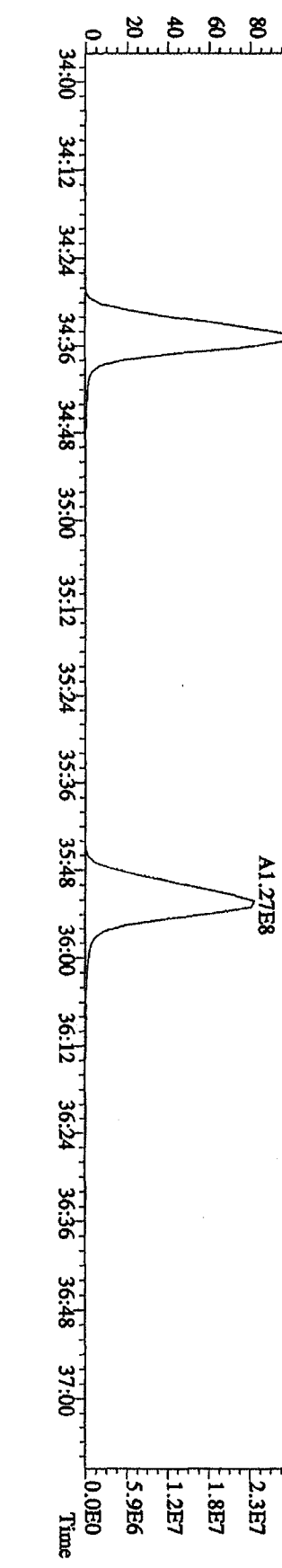
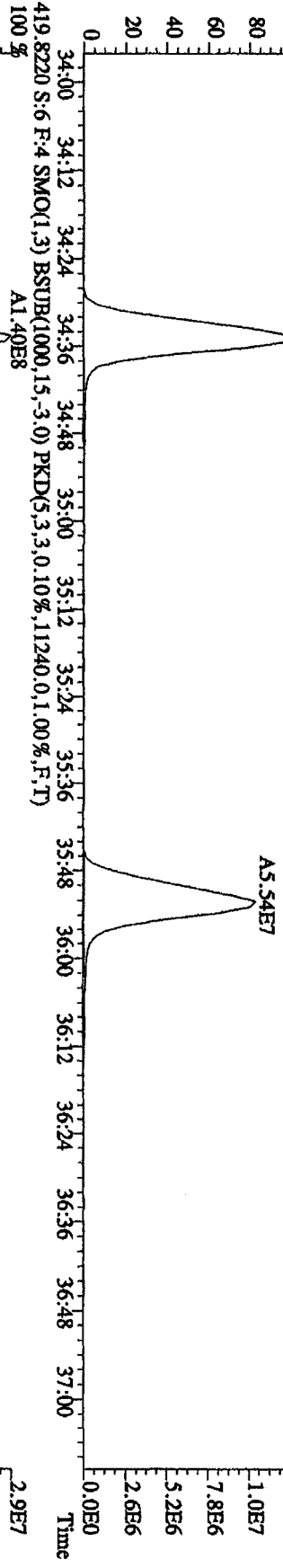
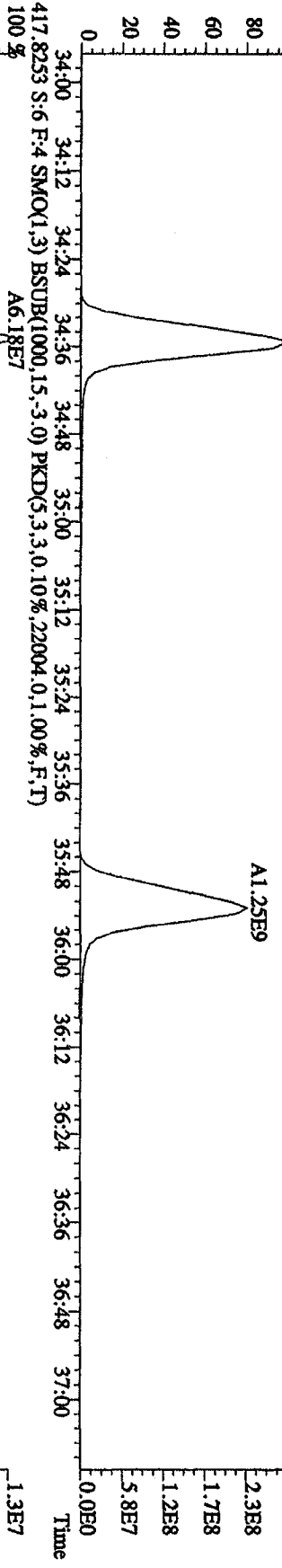
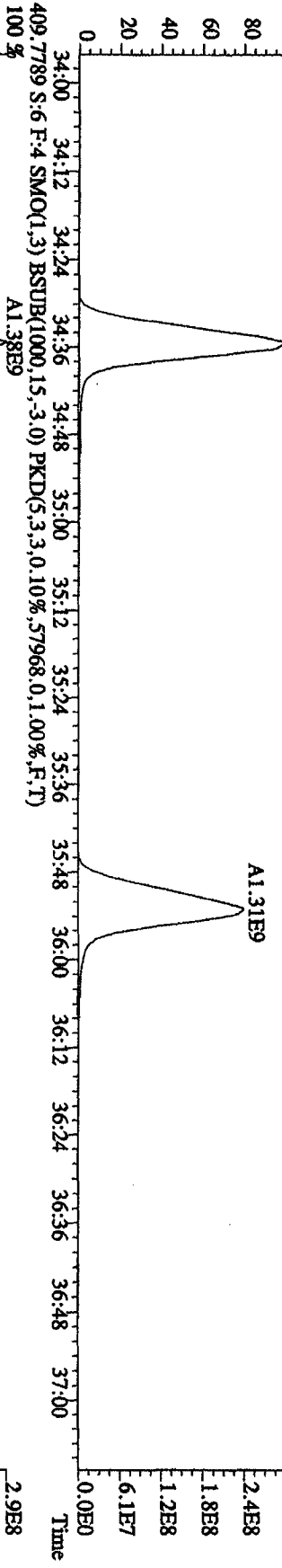
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST123IF :CS-5 09DXN456 Exp:DIOXIN
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080,0.1,00%,F,T)



File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXM456 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) 100%



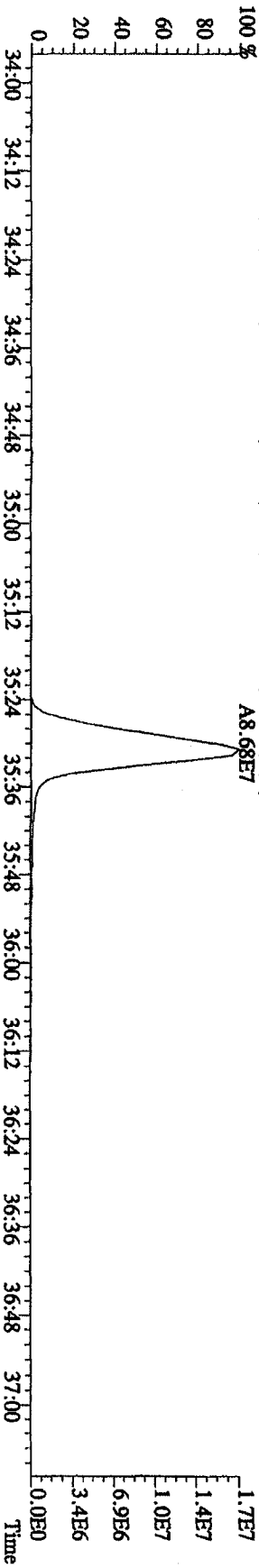
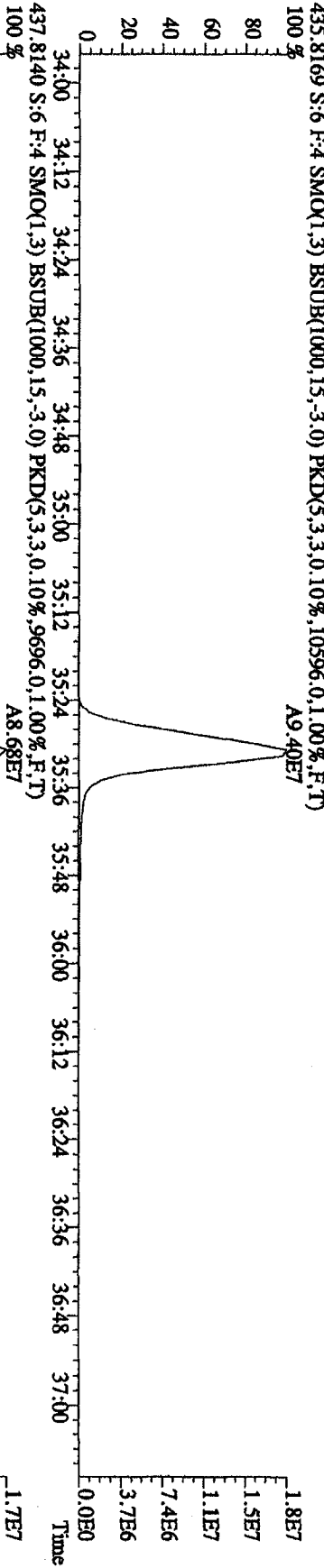
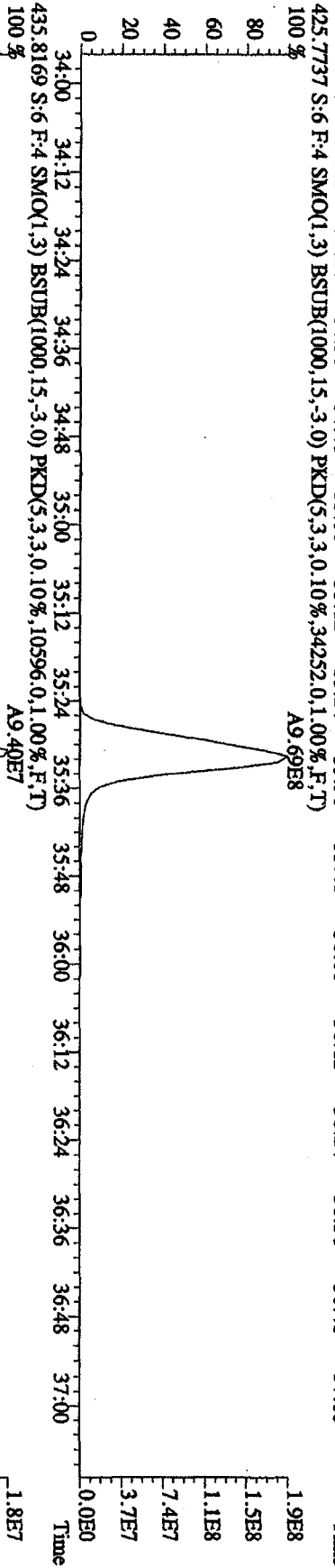
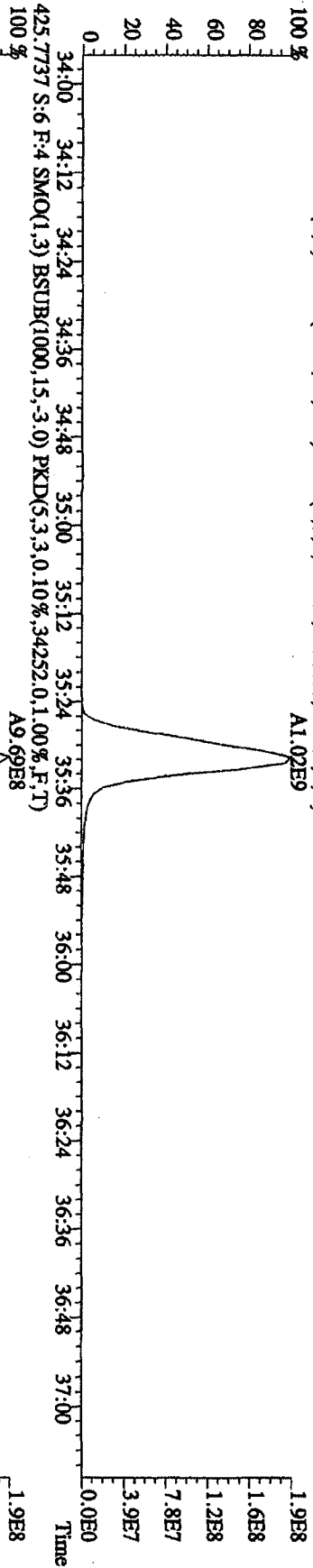
File:3IDEO9AID5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.34380,0,1,00%,F,T)
 100 %



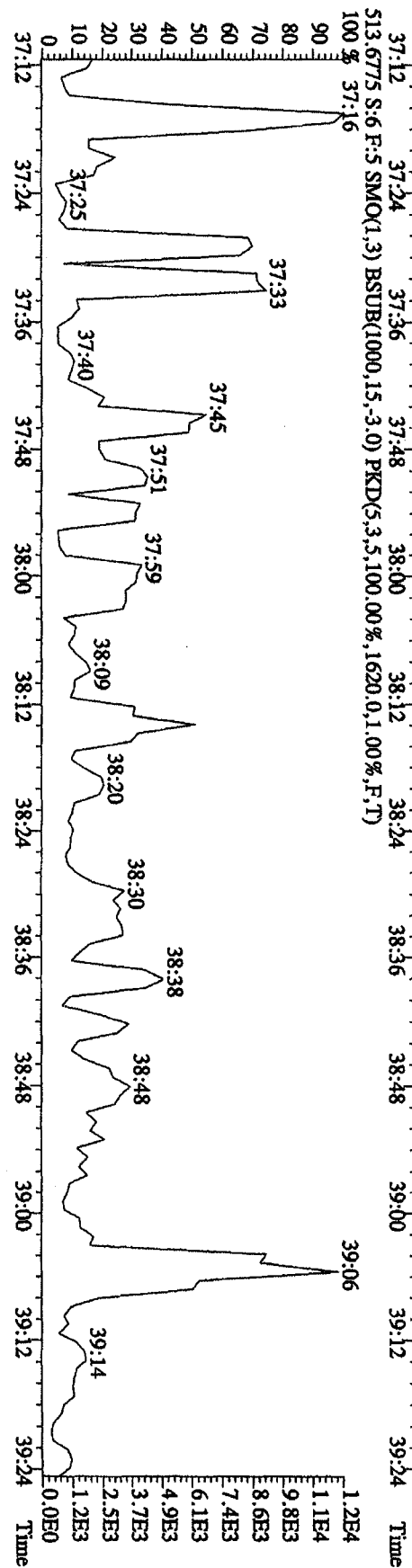
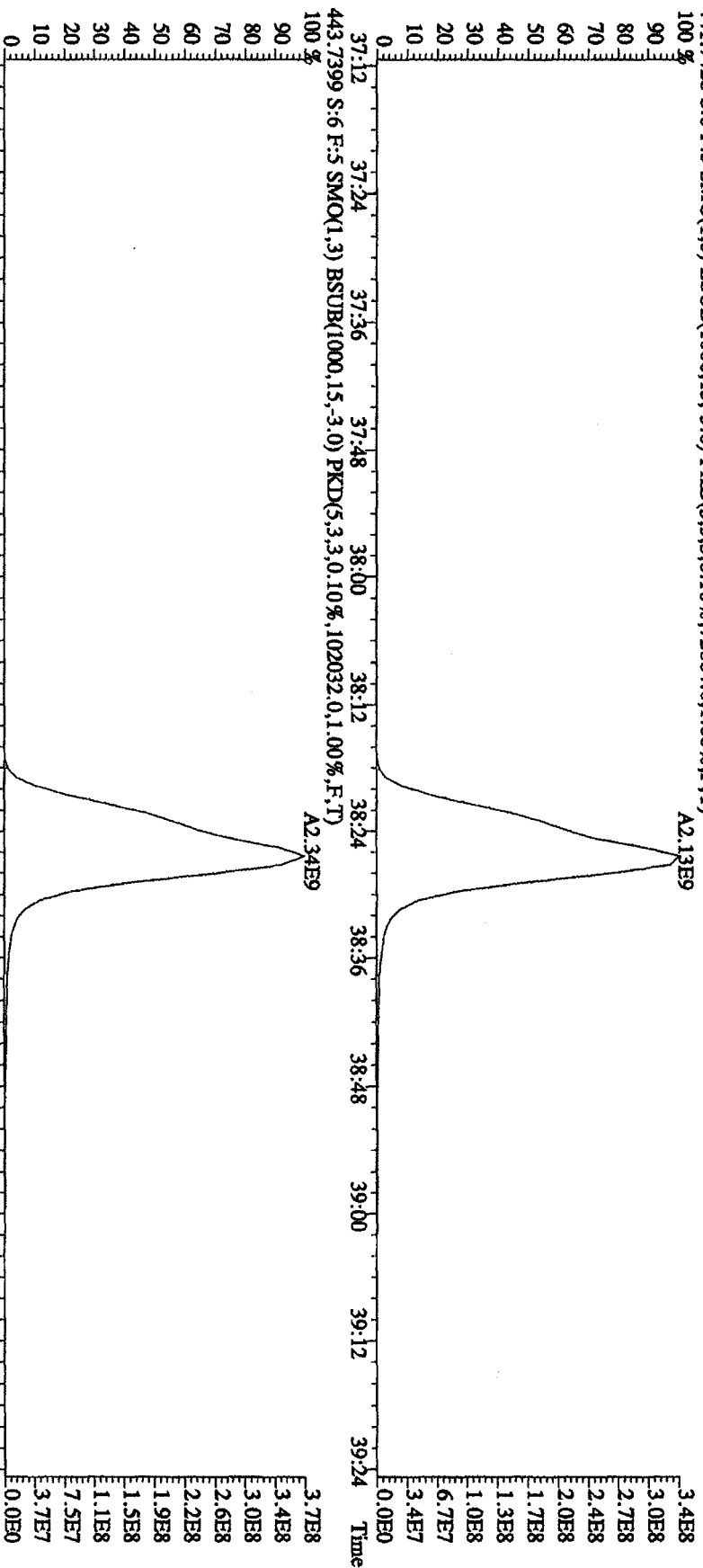
File:31IDE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 (09DDX)M456 Exp:DIOXIN

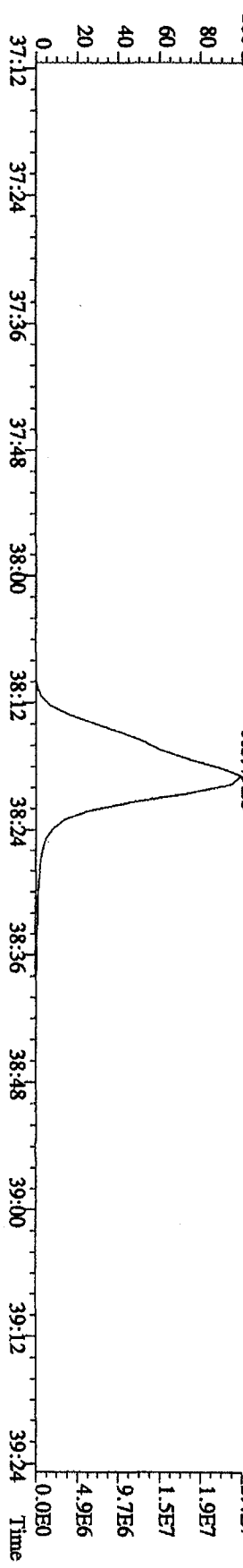
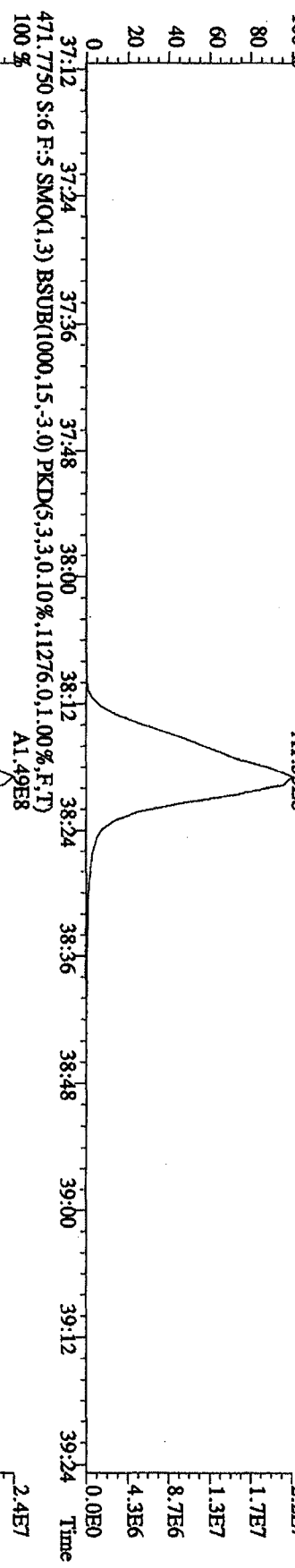
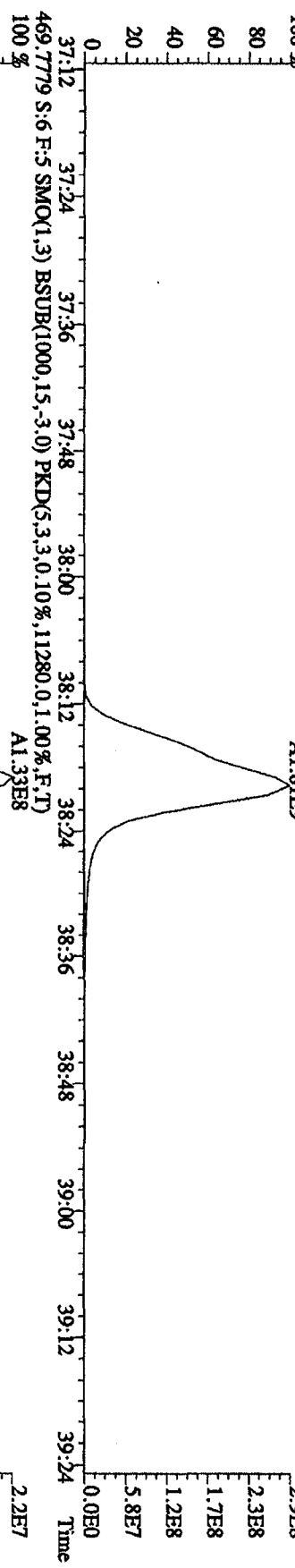
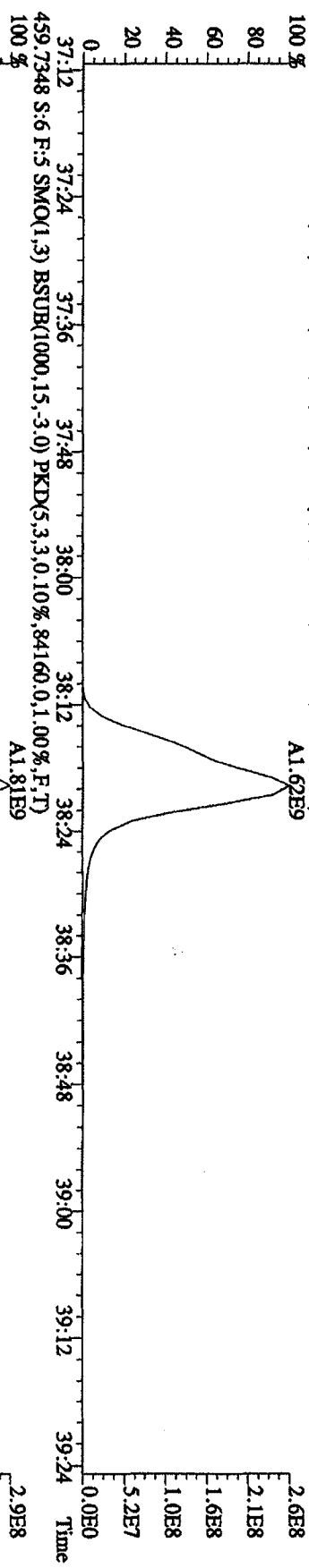
423.7766 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,38388,0,1,00%,F,T) A1.02E9



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%,72084,0.1,0.00%,F,T)



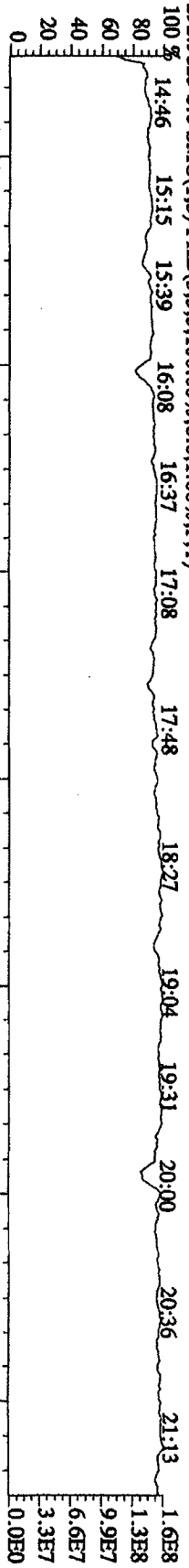
File:31DE09AIDS #1-161 Acq: 1-JAN-2010 02:56:20 GC EI + Voltage SFR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,67900,0,1,00%,F,T)
 100 %



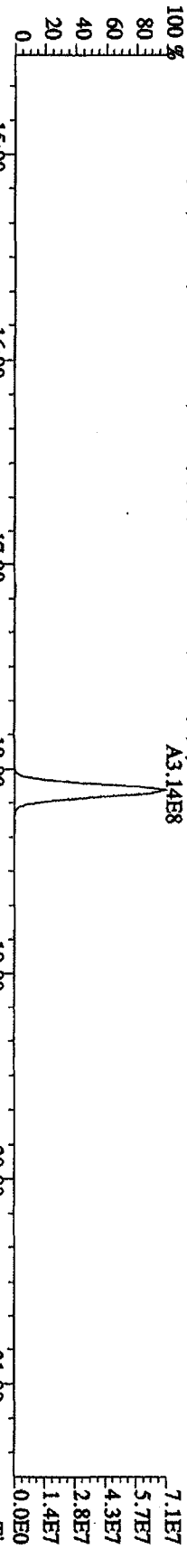
File:31DEB9A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DDXN456 Exp:DIOXIN

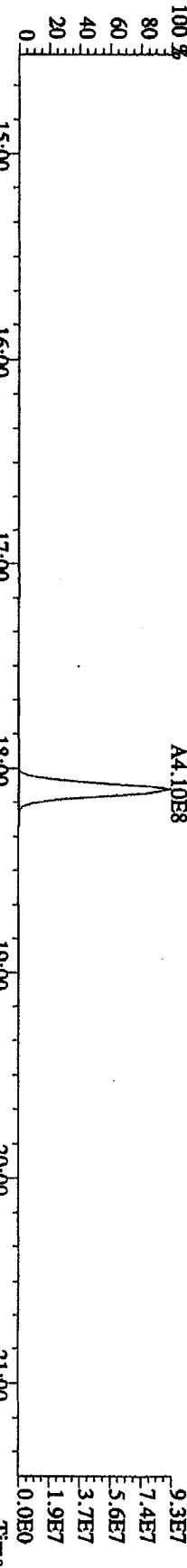
292.9825 S:6 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)



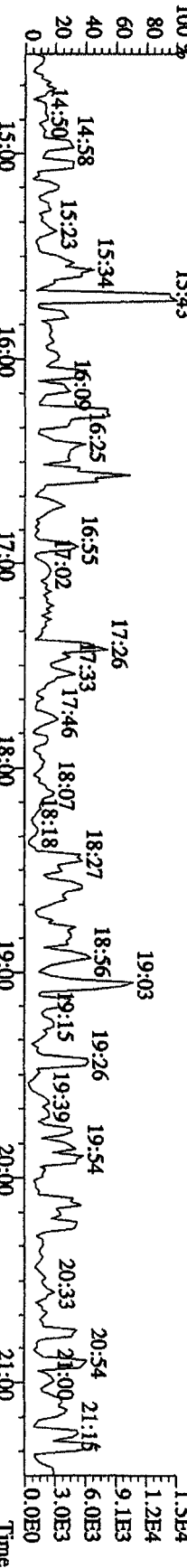
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9492,0,1,00%,F,T)



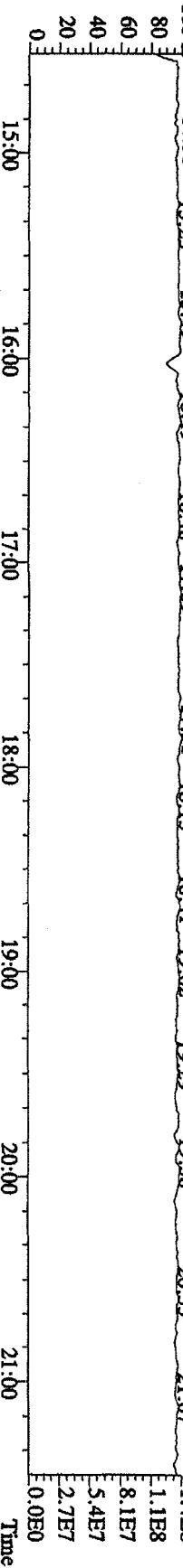
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9552,0,1,00%,F,T)



375.8364 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,2384,0,1,00%,F,T)



330.9792 S:6 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

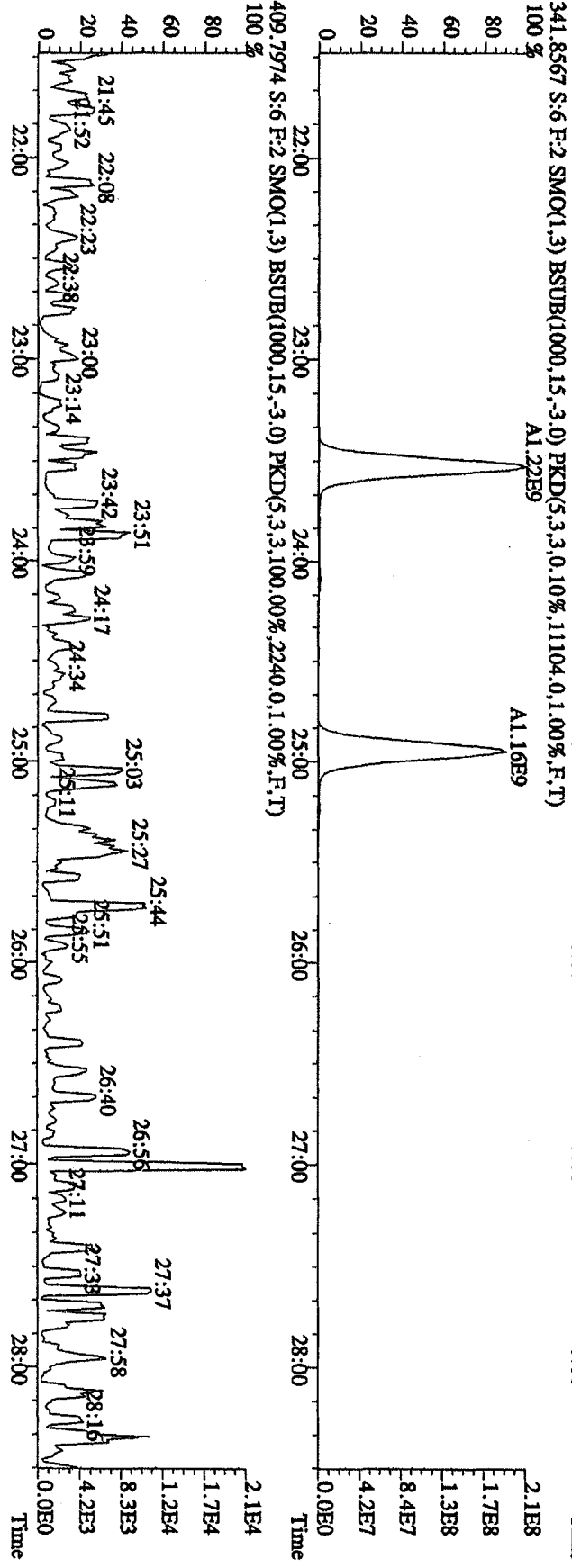
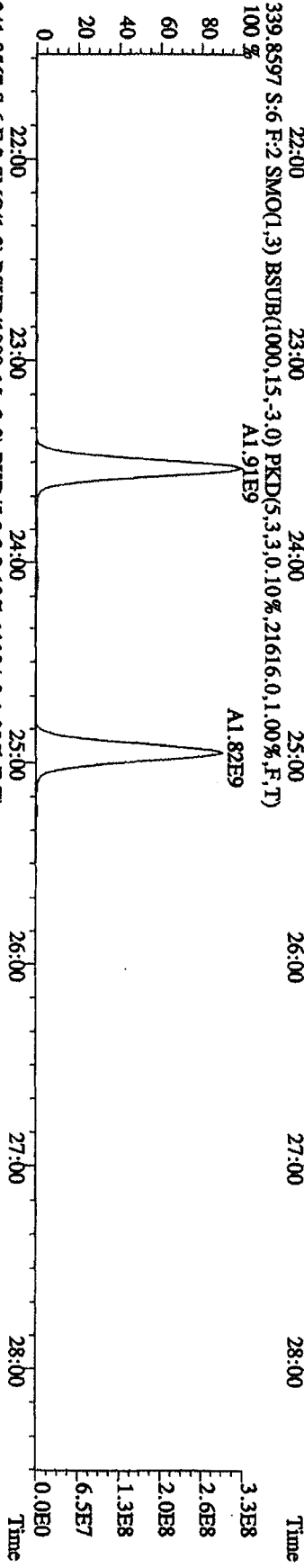
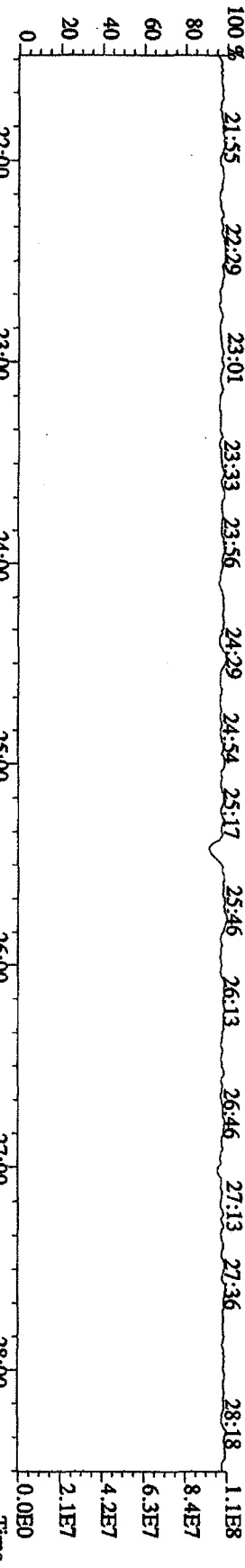


File:31DE09AID5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

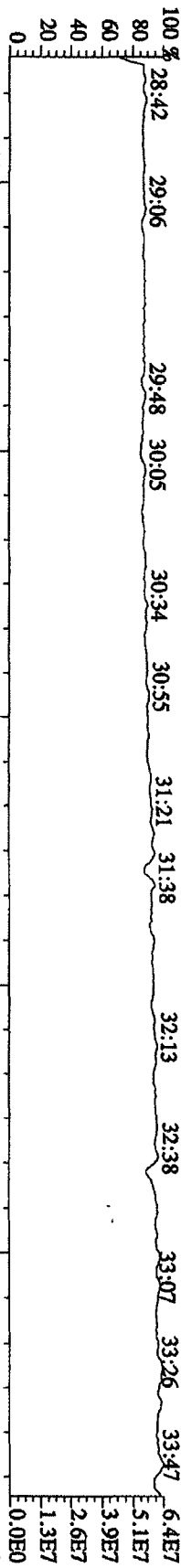
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

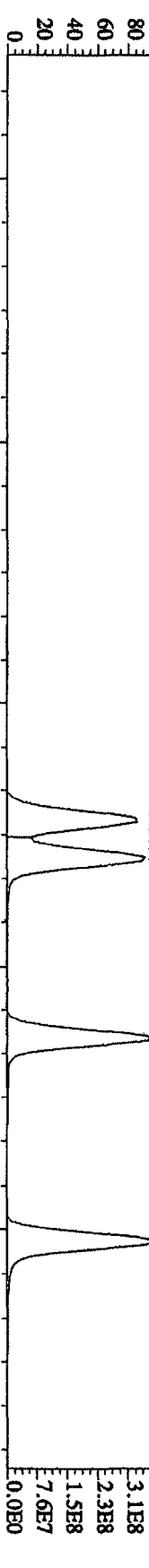
100 % 21:55 22:29 23:01 23:33 23:56 24:29 24:54 25:17 25:46 26:13 26:46 27:13 27:36 28:18



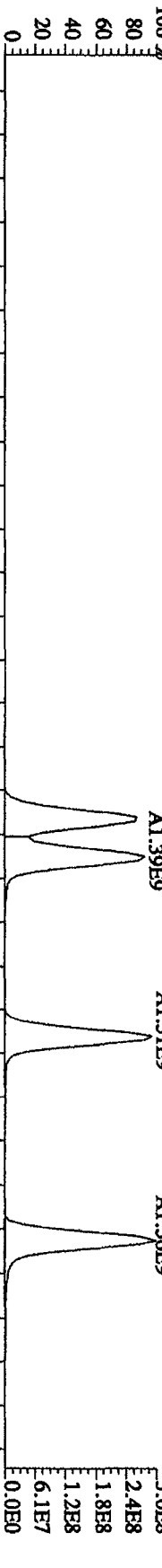
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F -CS-5 09DXN456 Exp.:DIOXIN
 392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



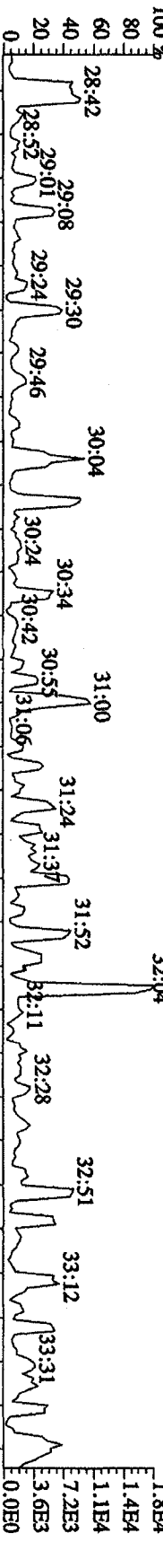
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080.0,1.00%,F,T)



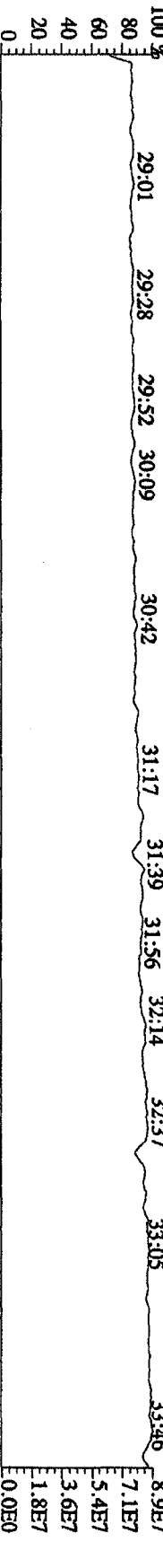
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



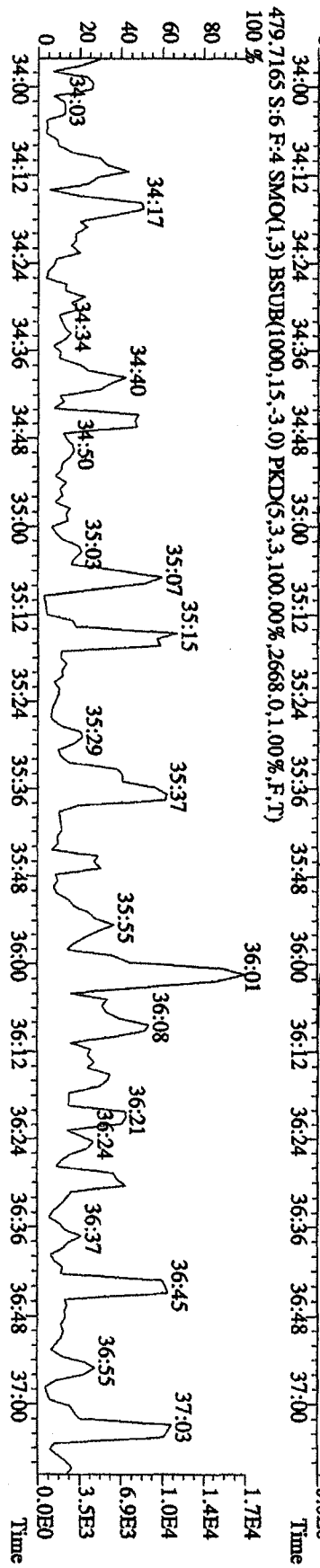
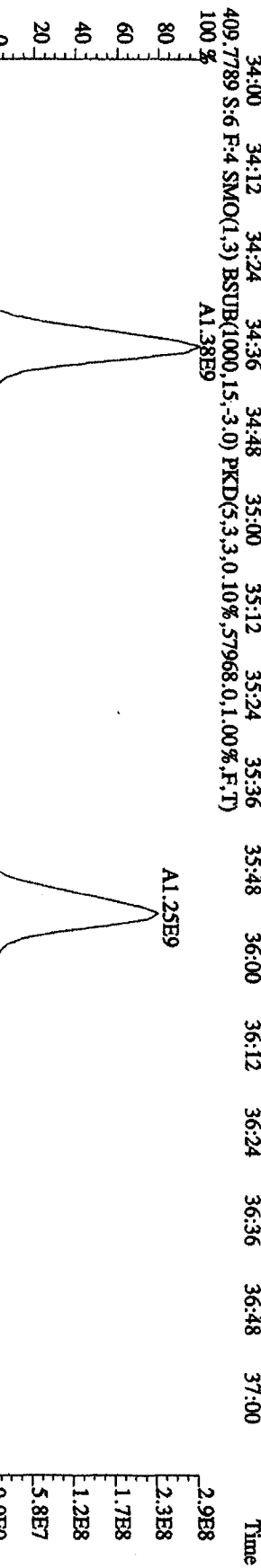
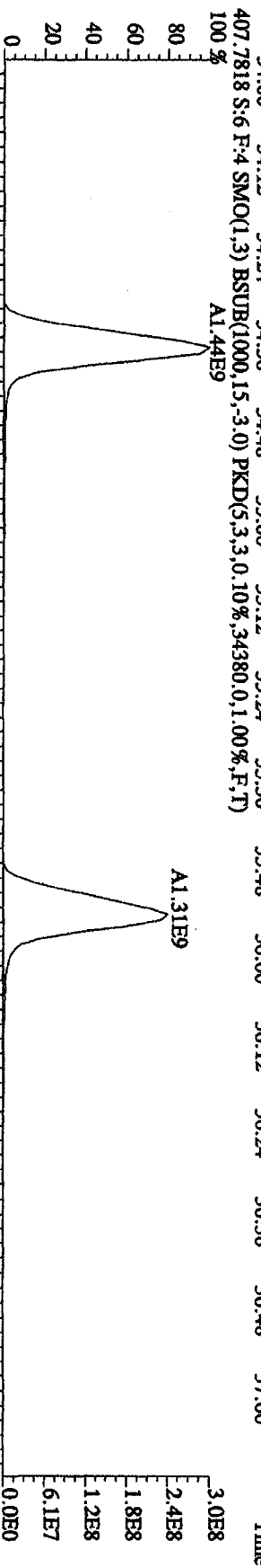
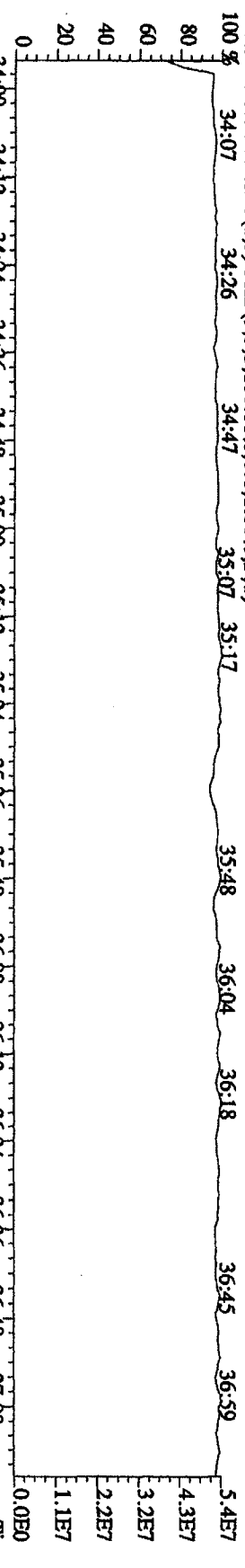
445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1868.0,1.00%,F,T)



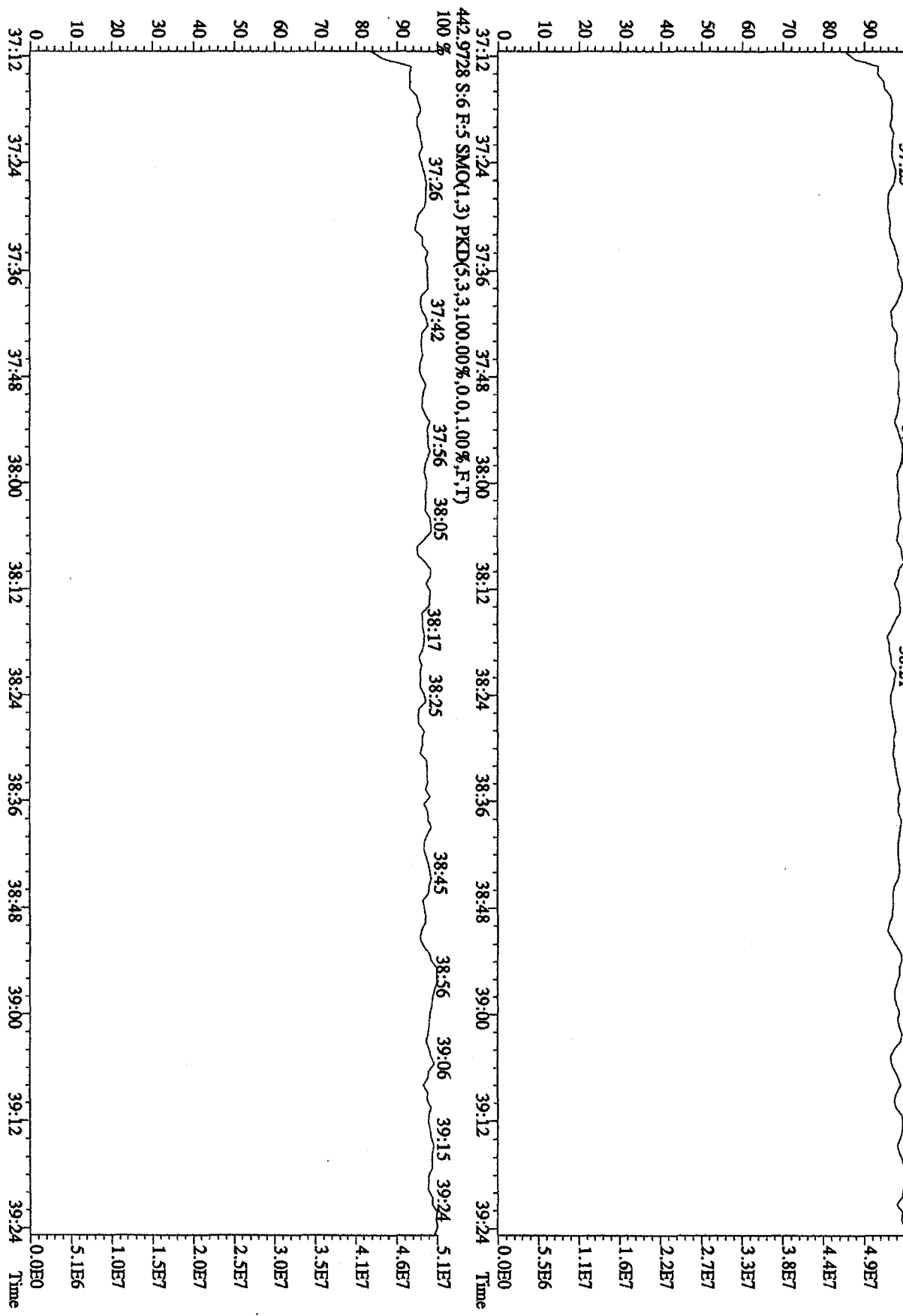
380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



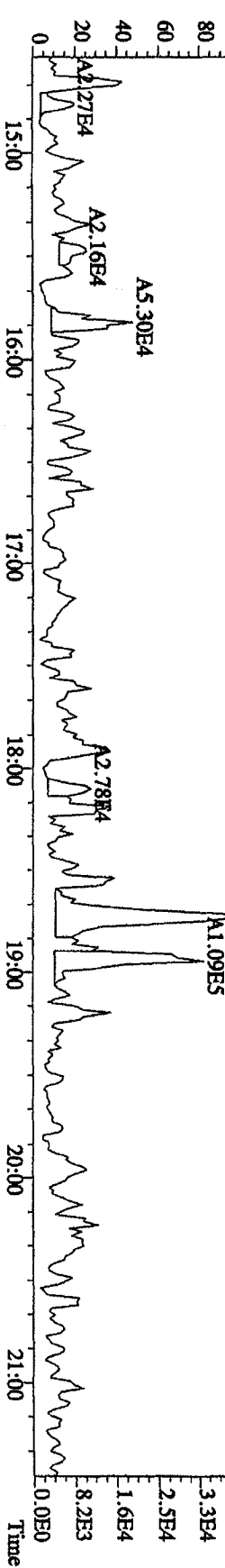
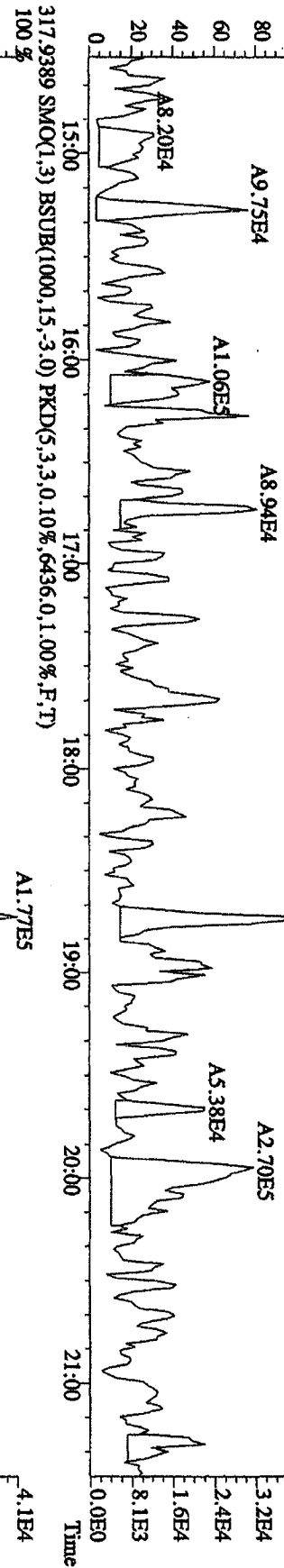
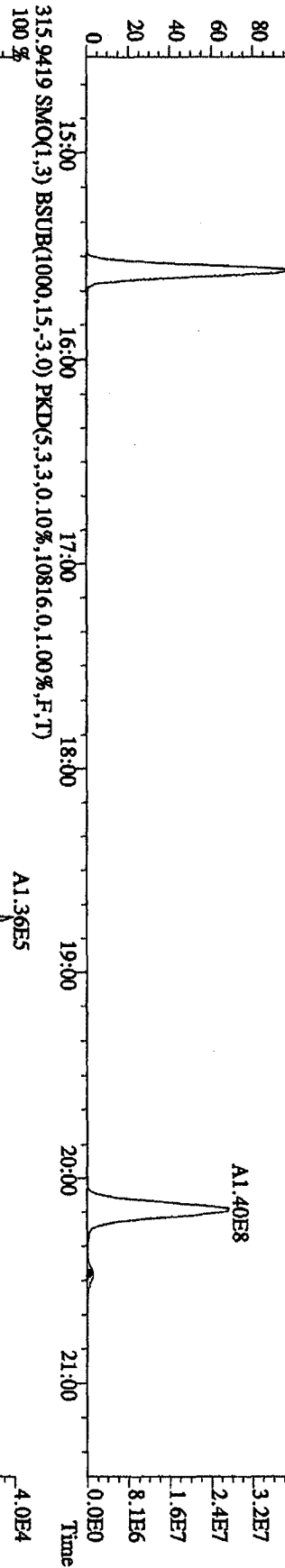
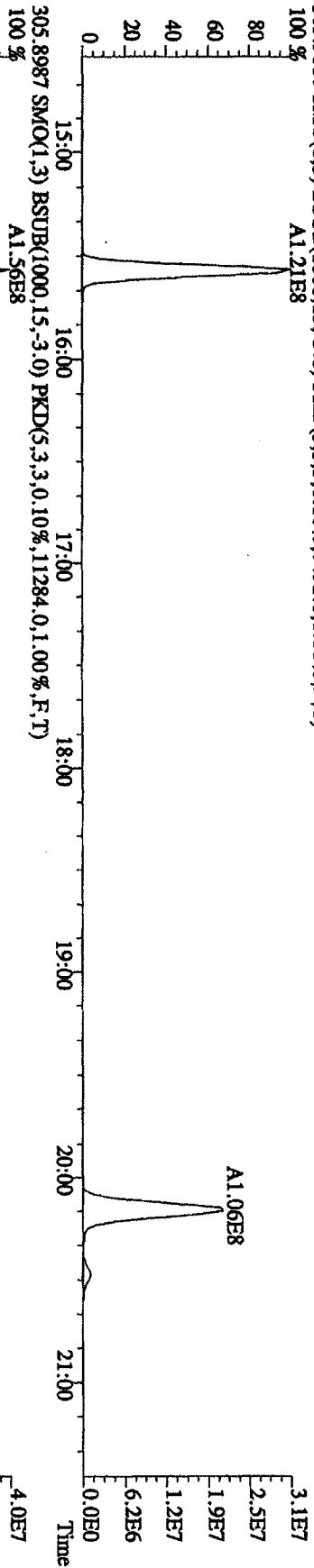
File:31DE09AID5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp.:DIOXIN



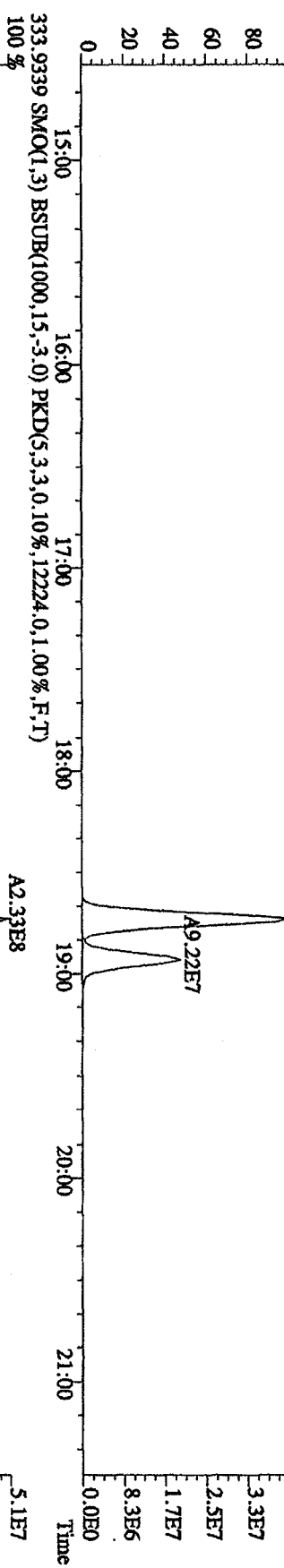
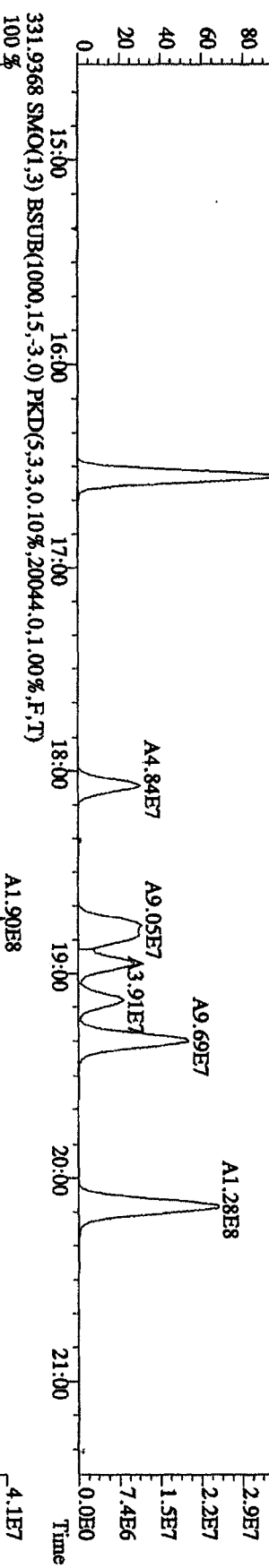
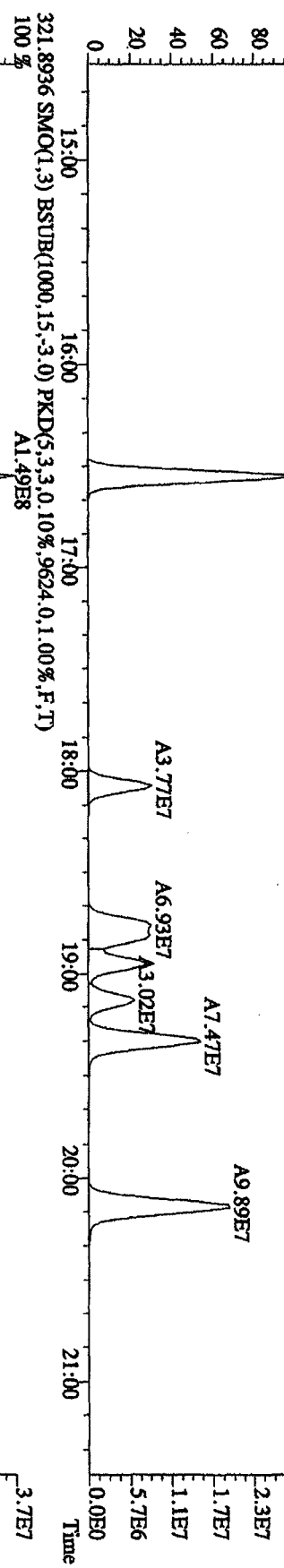
File: 31DB09AIDS #1-161 Acq: 1-JAN-2010 02:56:20 GC EI + Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN
 454.9728 S:6 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 100 %



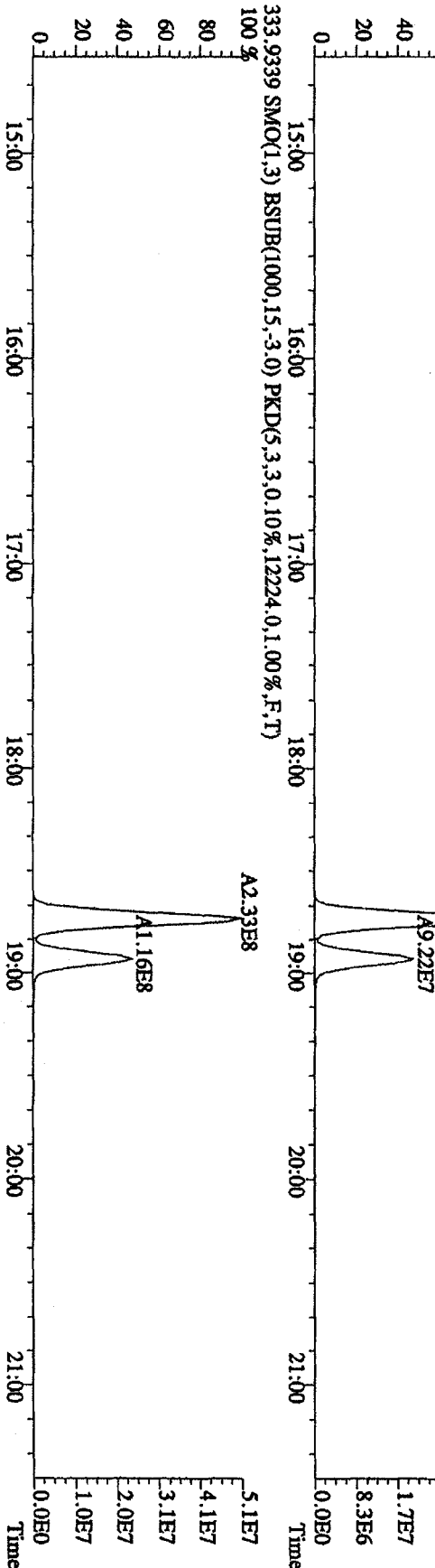
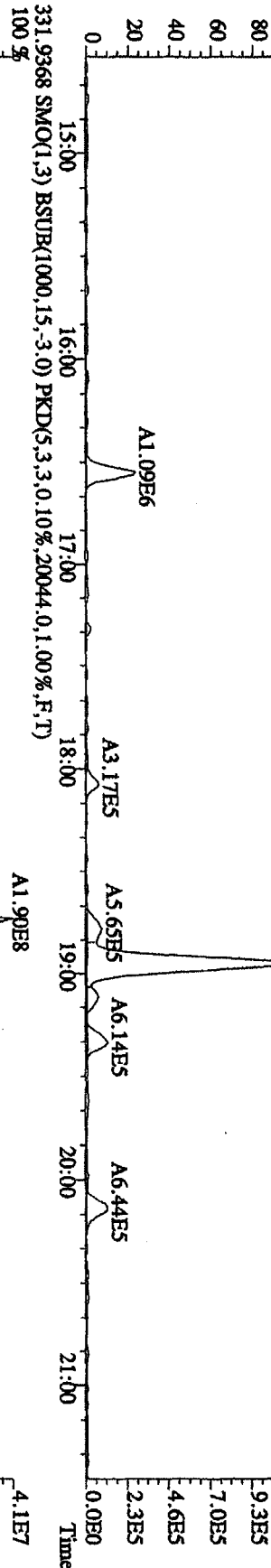
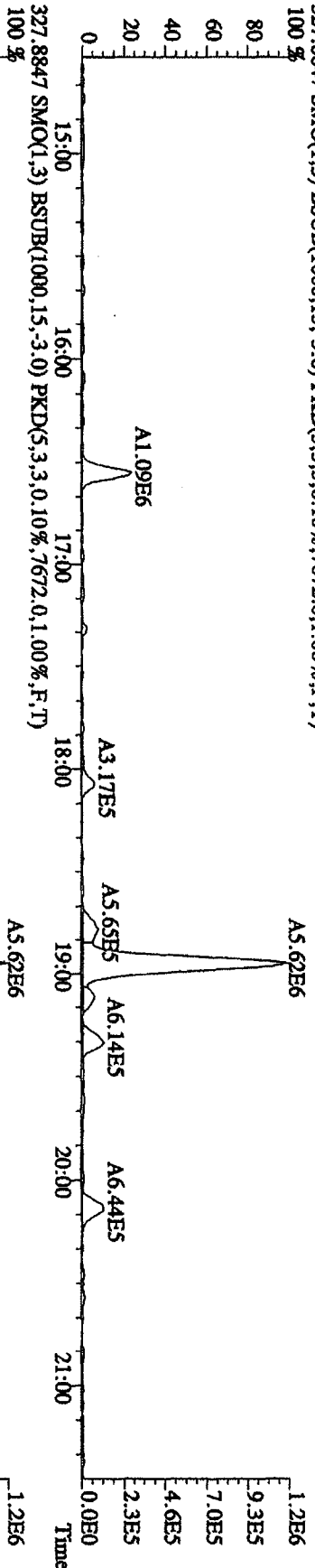
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp.:DIOXIN
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7492,0.1,00%,F,T)
 100 % A1.21E8



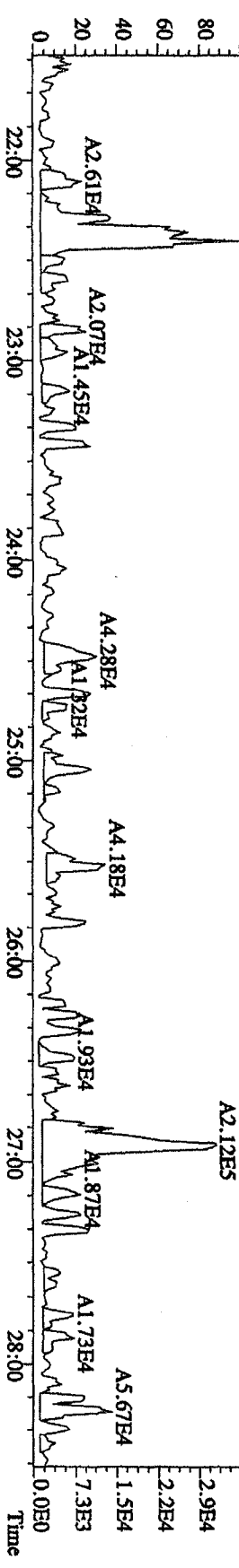
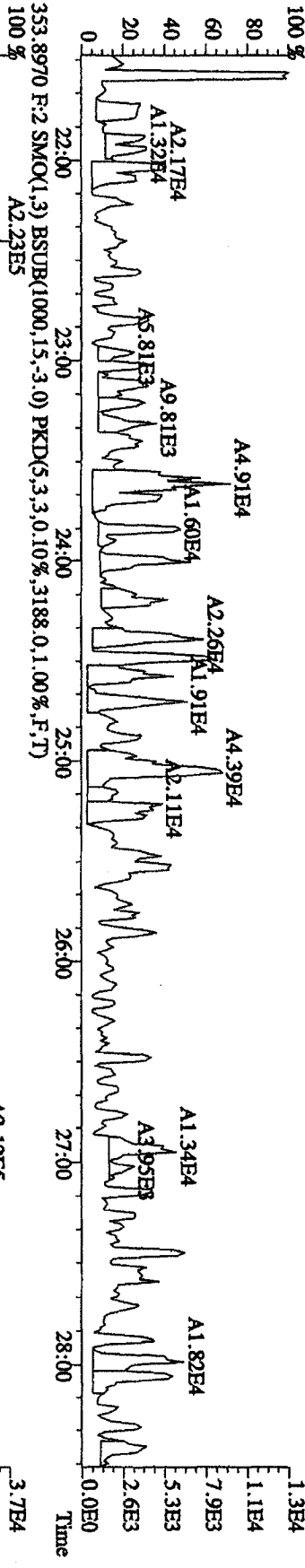
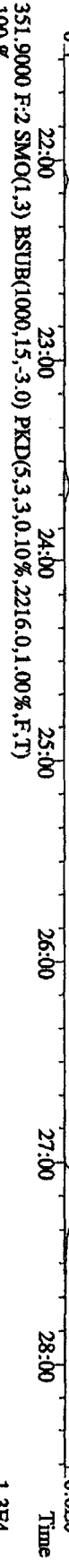
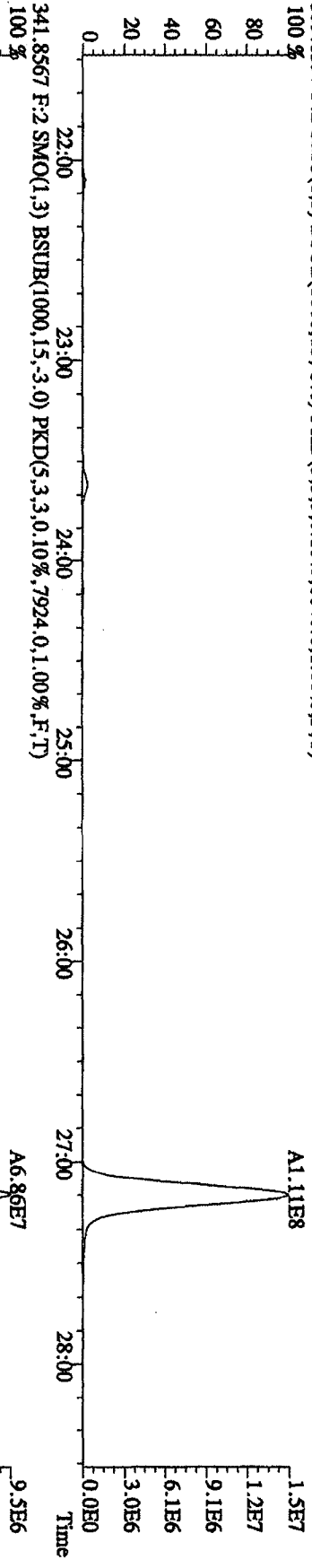
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC:EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP/SM 3732-04 Exp:DIOXIN
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7364,0,1,00%,F,T)
 100 % A1.15E8



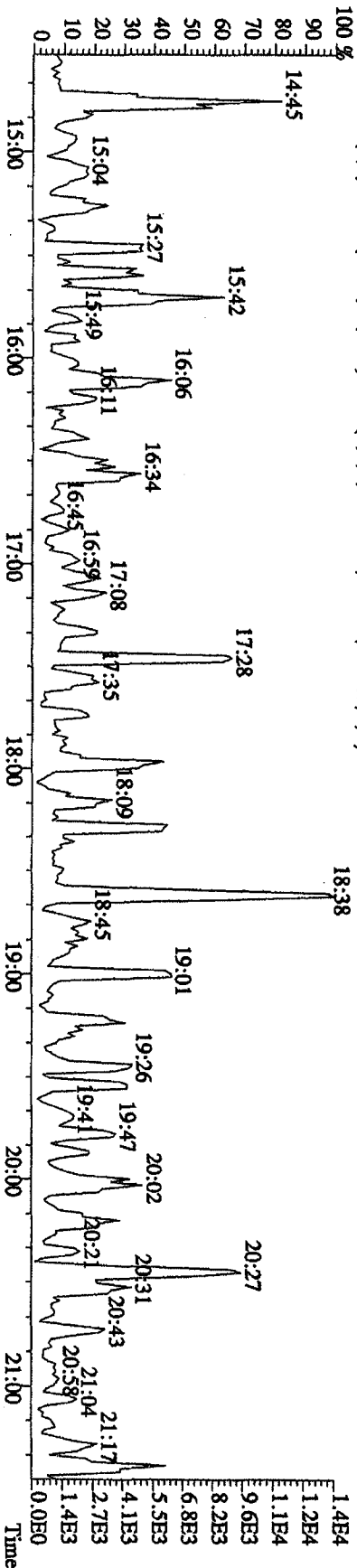
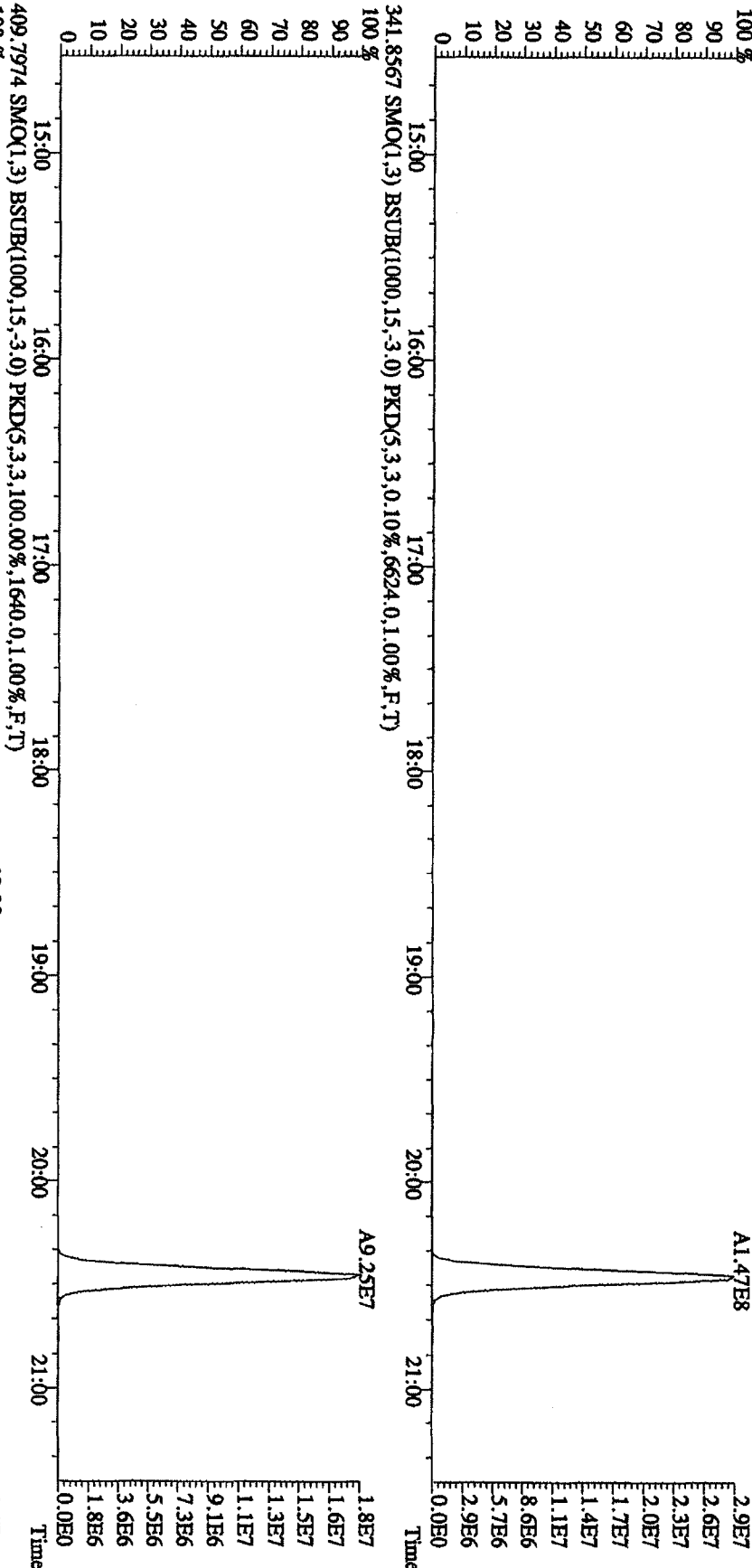
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CFSM 3732-04 Exp:DIOXIN
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7672,0.1,00%,F,T)



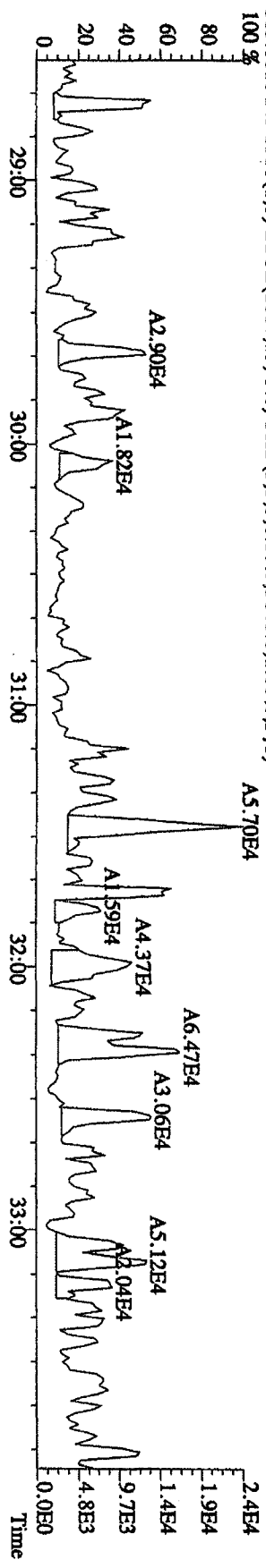
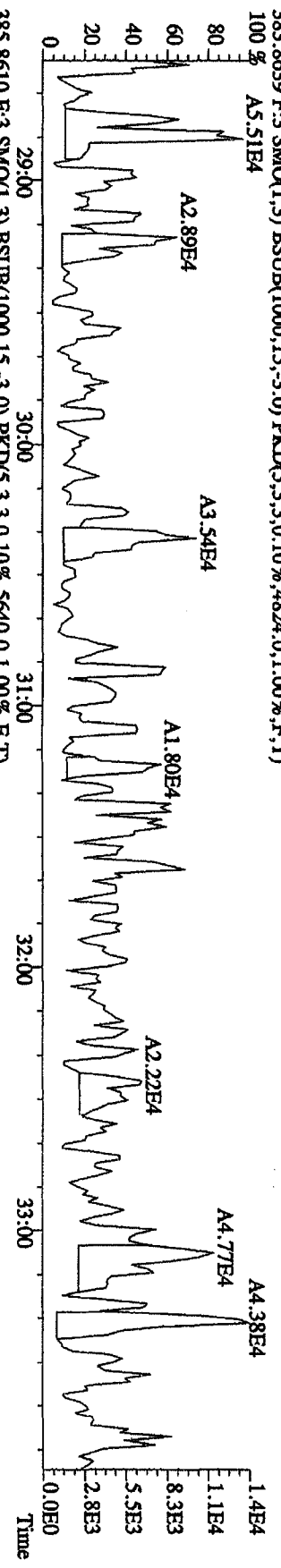
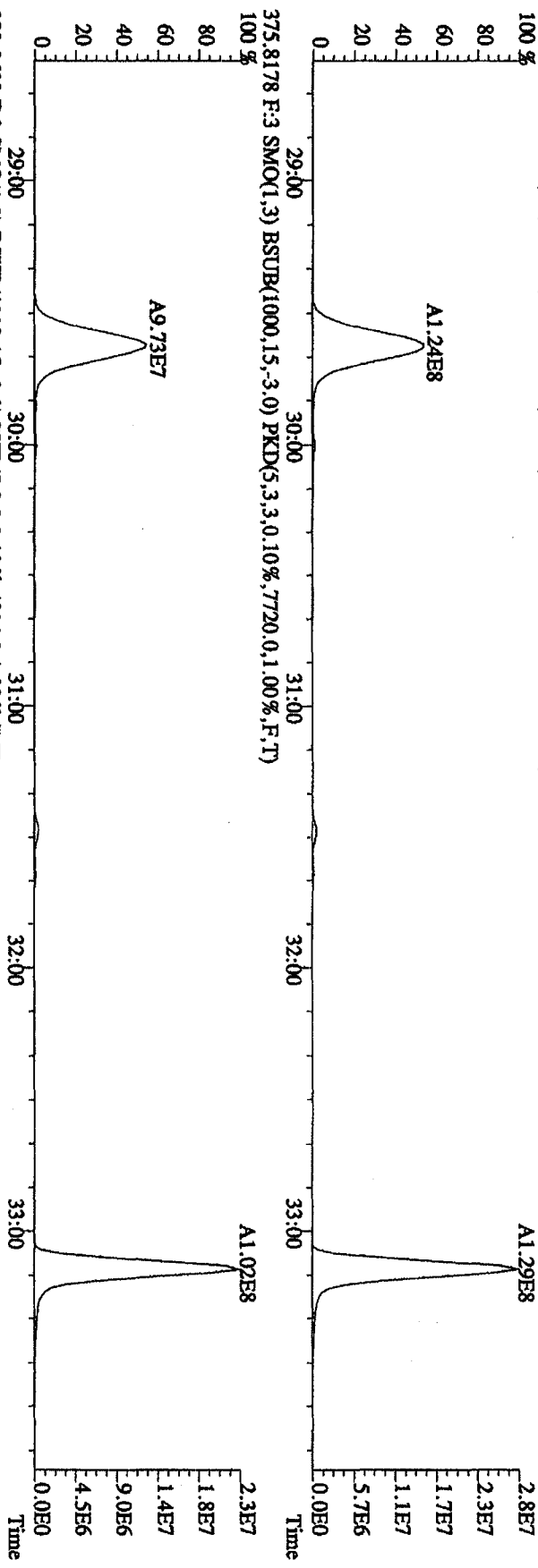
File:31DE09A1D5 #1.496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DI0XIN
 339.8597 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6040,0.1,00%,F,T)



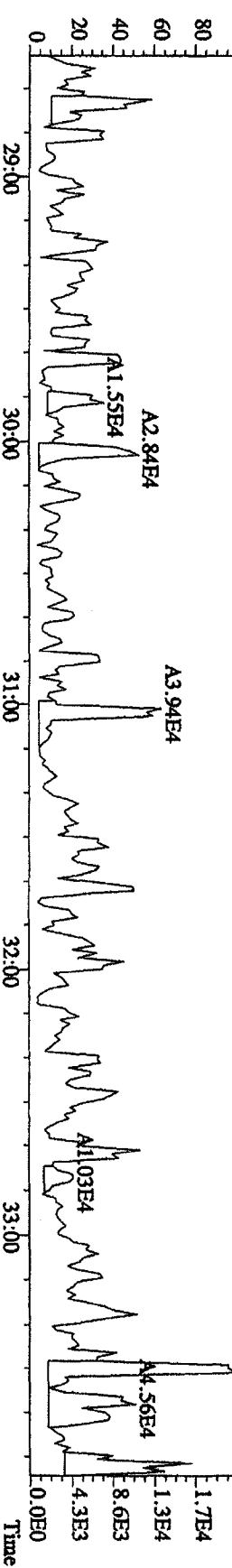
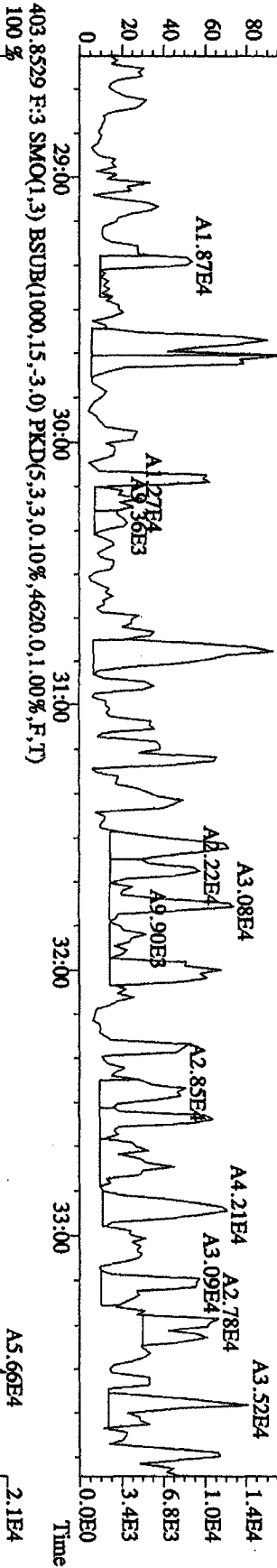
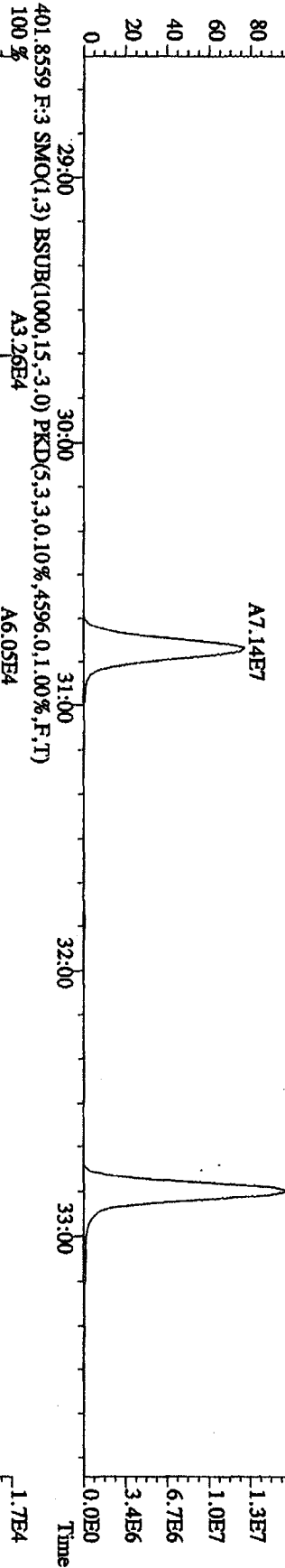
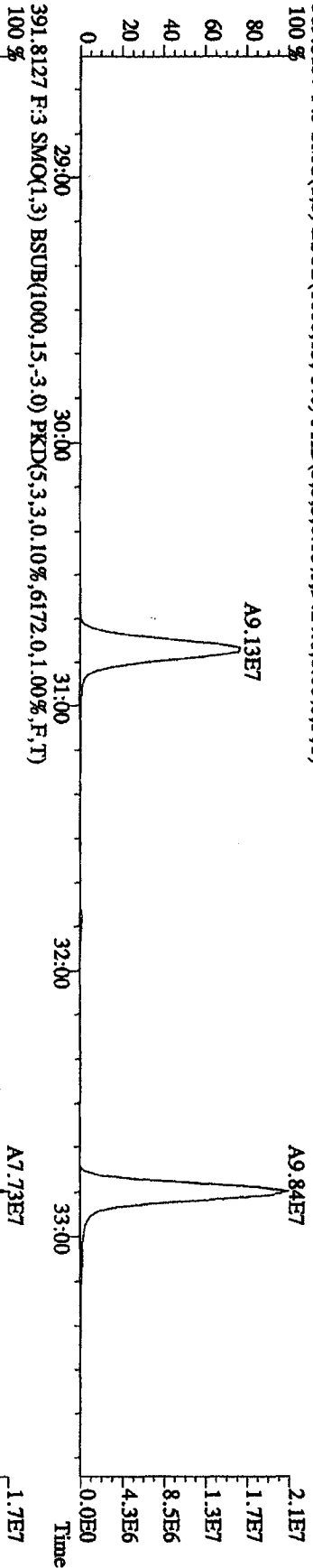
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPM 3732-04 Exp.:DIOXIN
 339.8597 SMO(1,3) BSTUB(1000,15,-3,0) PKD(5,3,3,0,10%,4608,0,1,00%,F,T)



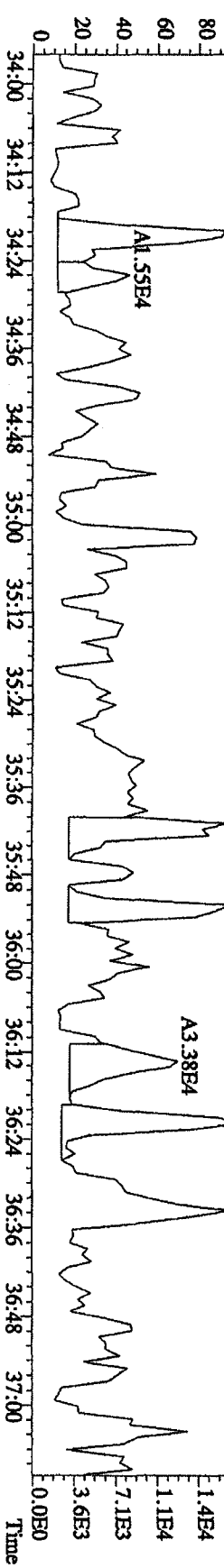
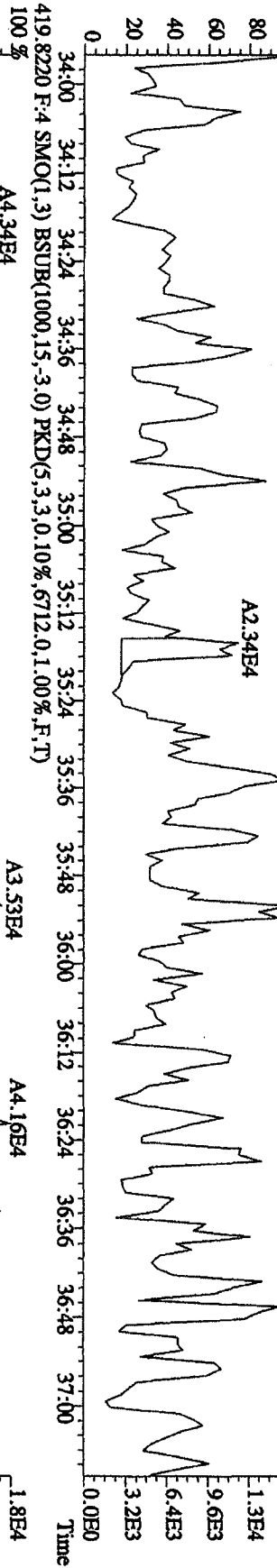
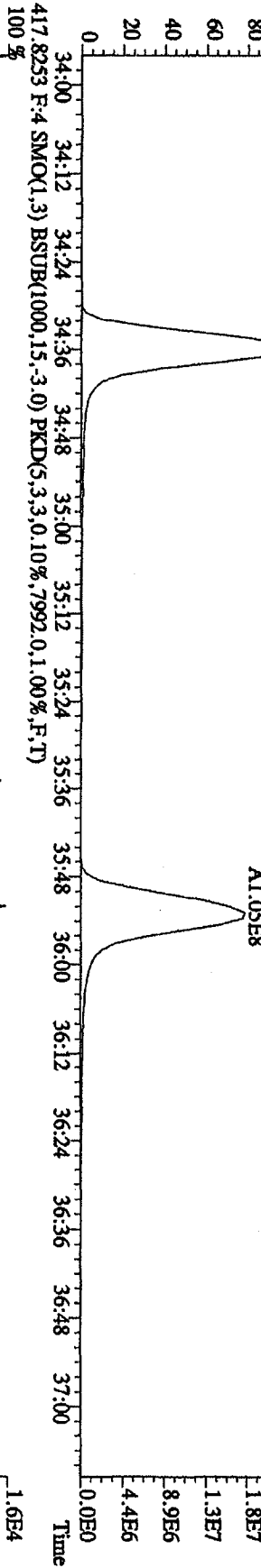
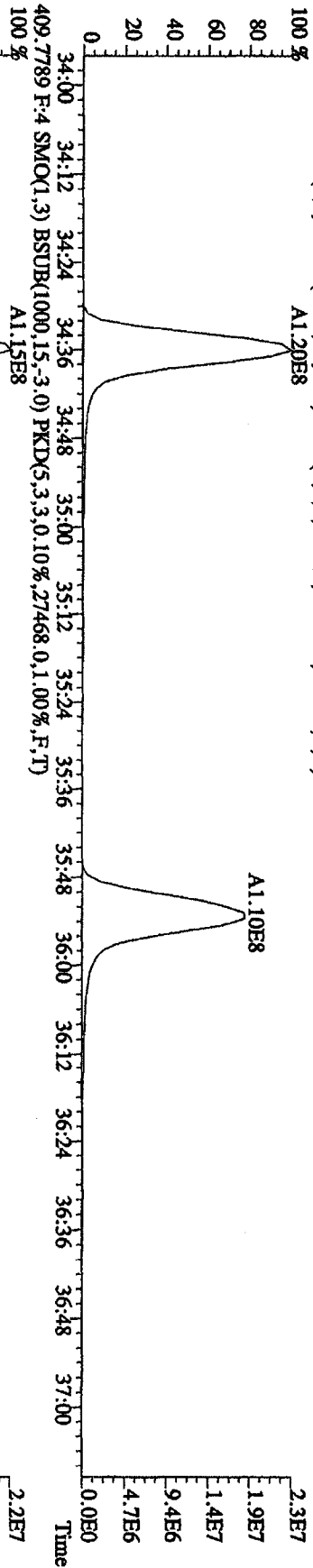
File:31DE09AID5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,16148,0,1,00%,F,T)
 100 %



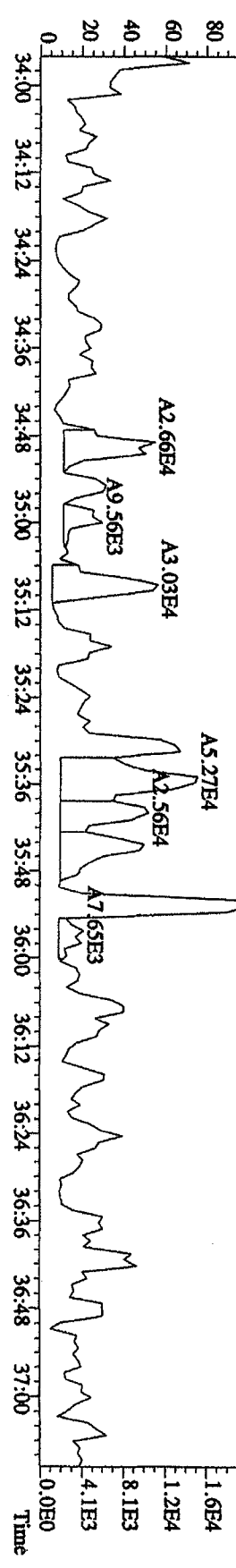
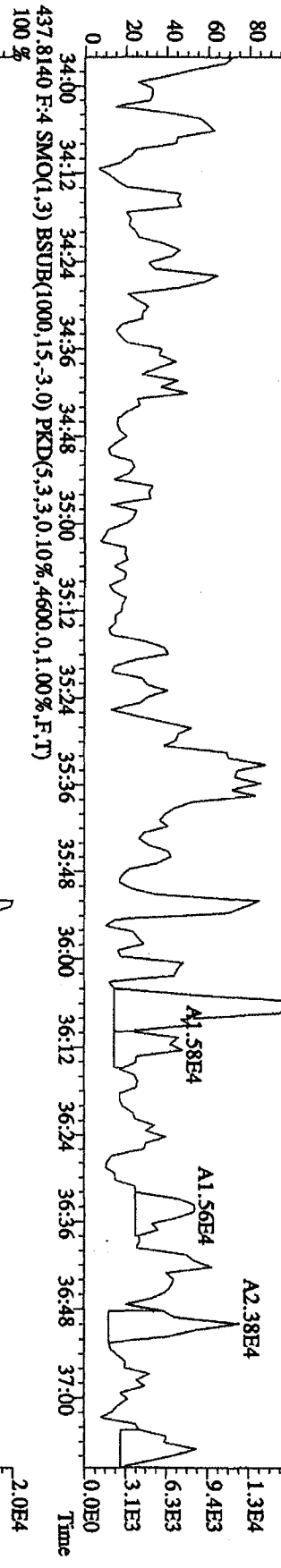
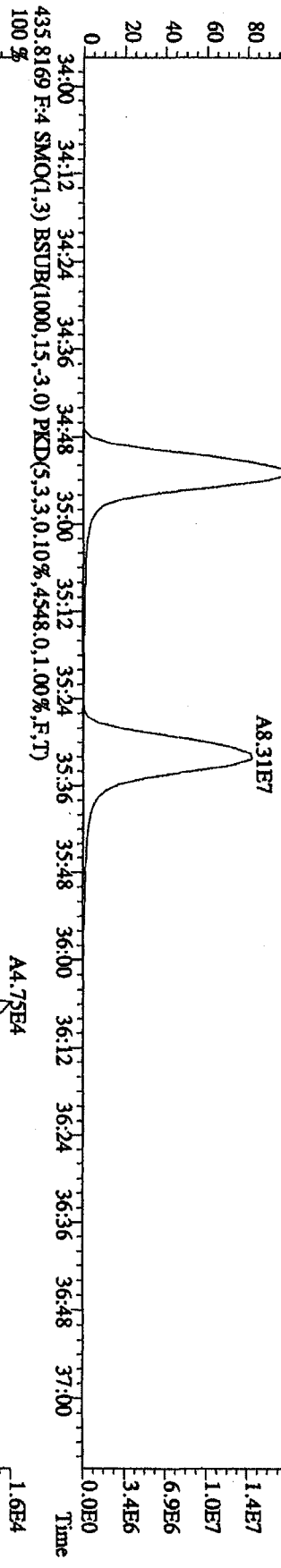
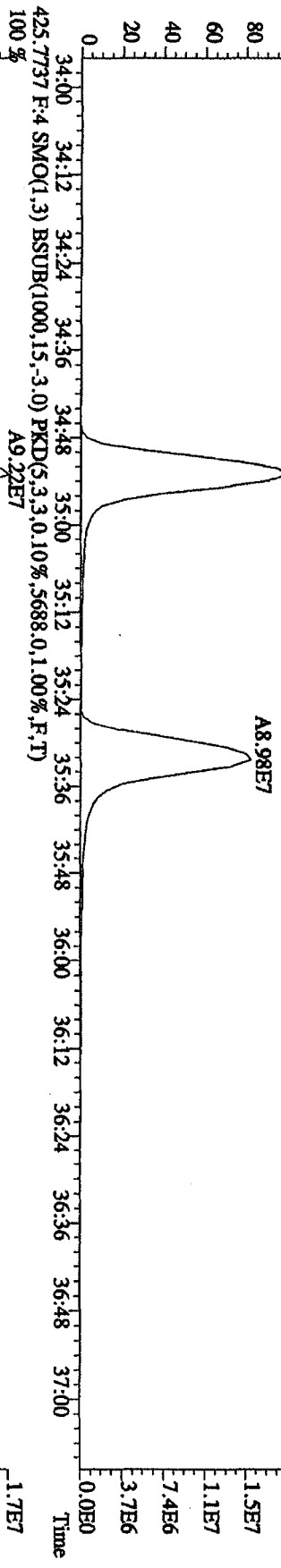
File:31DE09AIDS #1-361 Acq:31-DEC-2009 23:25:43 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CFSM 3732-04 Exp.:DIOXIN
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9424,0,1,00%,F,T)
 100 %



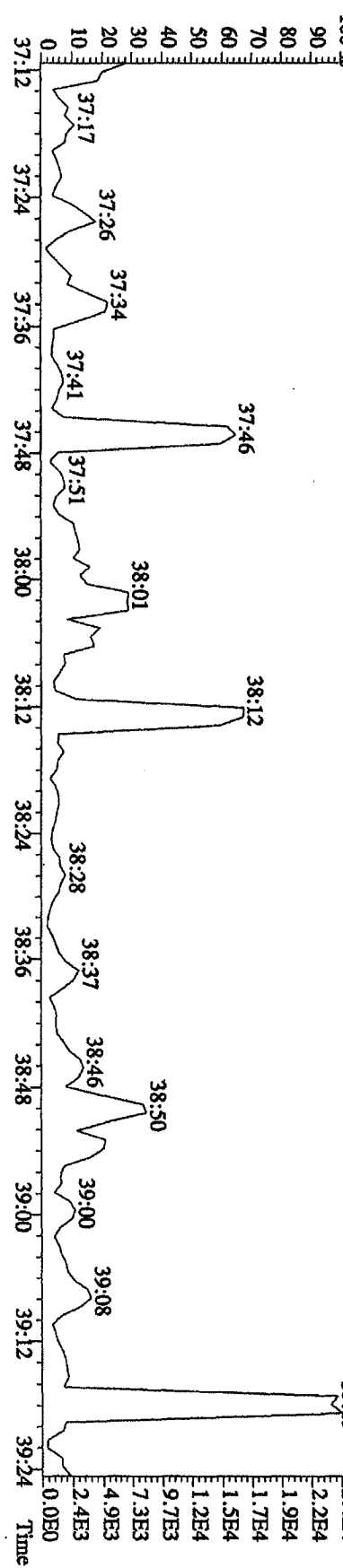
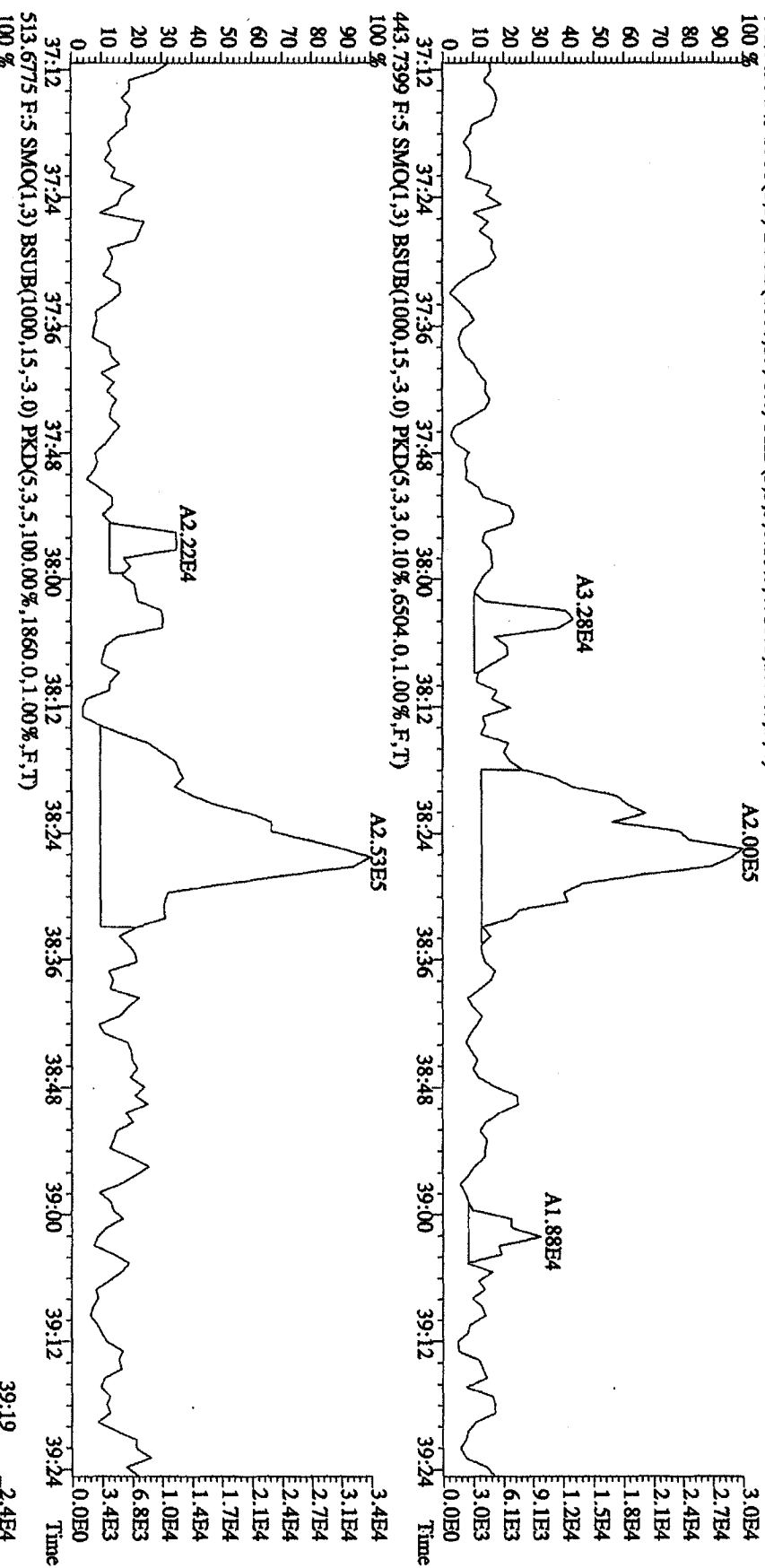
File:31DE09AID5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,.27224,0.1,00%,F,T)
 100 % A1.20E8



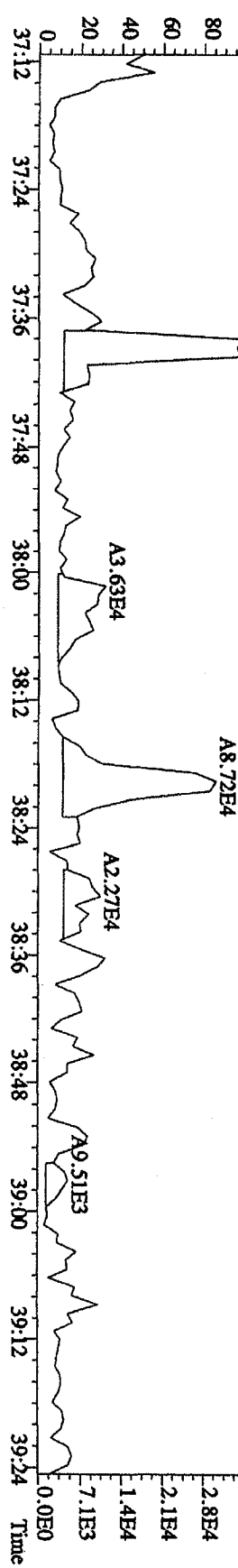
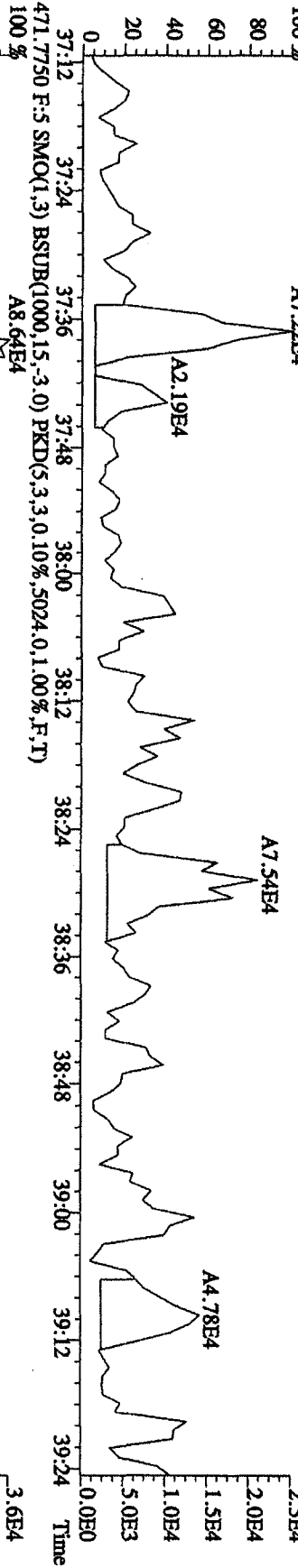
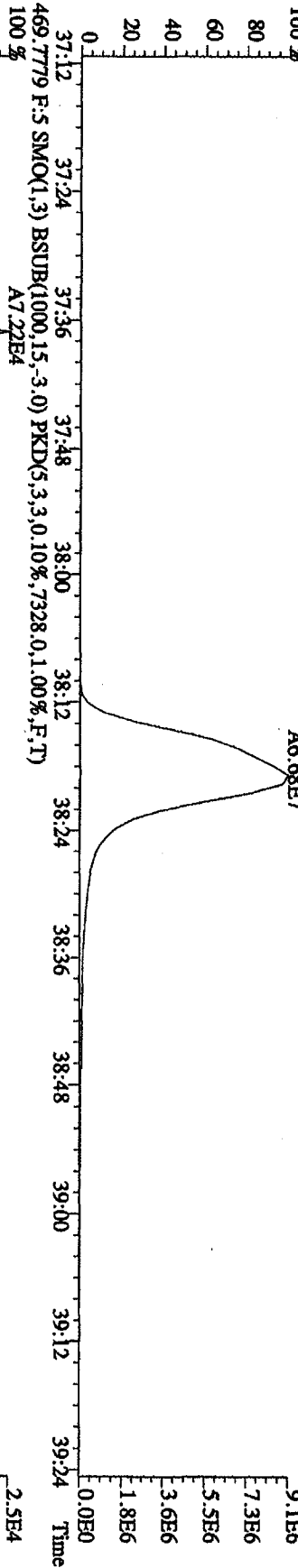
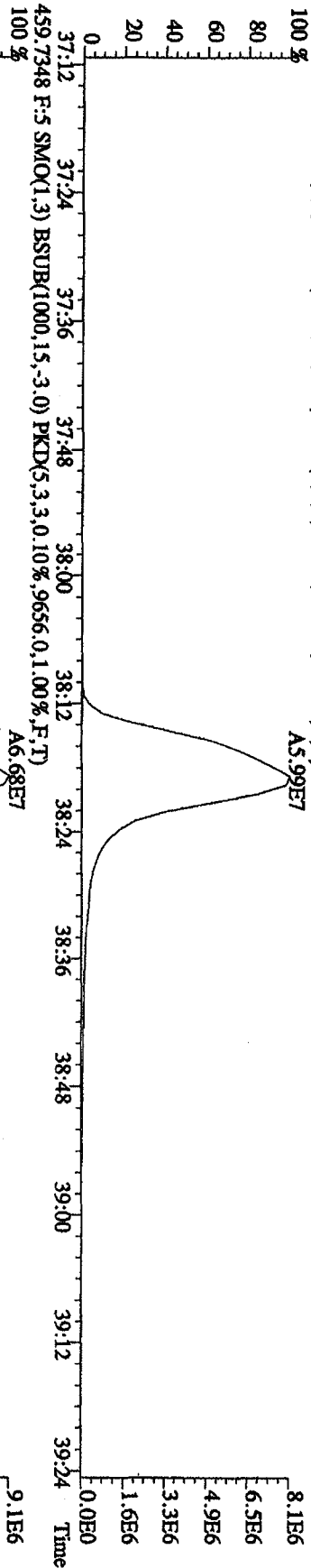
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CFSM 3732-04 Exp:DIOXIN
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8844,0.1,00%,F,T)
 100%



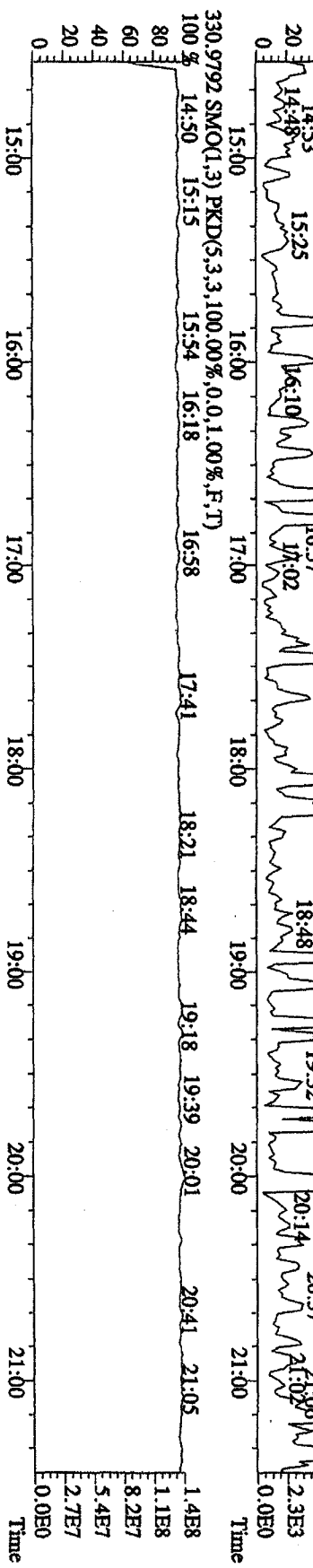
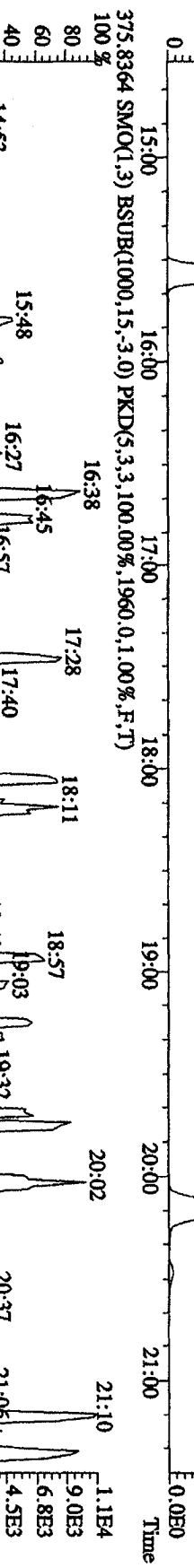
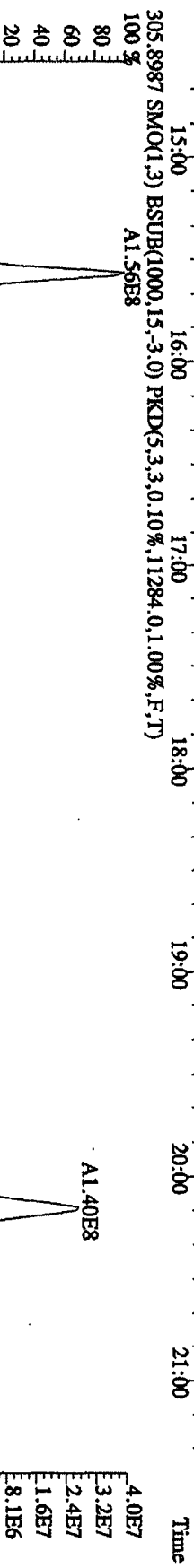
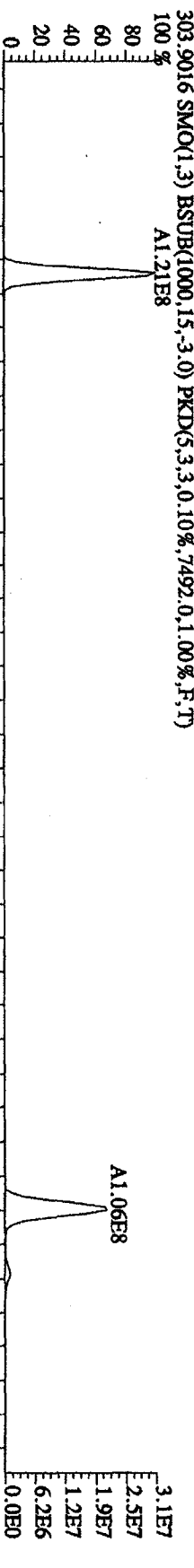
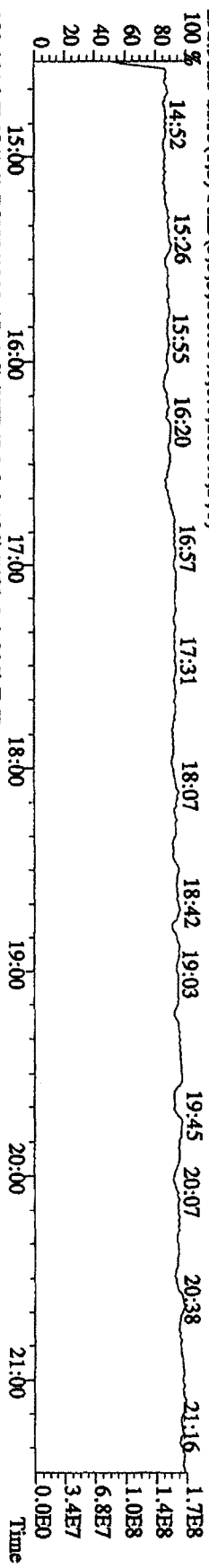
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732.04 Exp:DIOXIN
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4780,0,1,00%,F,T)



File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7308,0.1,00%,F,T)
 100 %



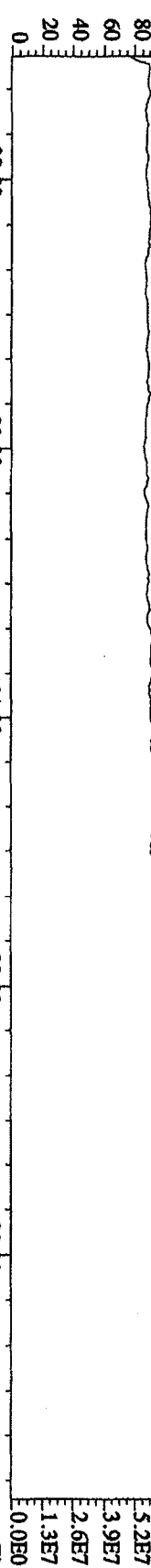
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPISM 3732-04 Exp.:DIOXIN
 292.9825 SMO(1,3) PKD(5,3,100.00%,0.0,1.00%,F,T)



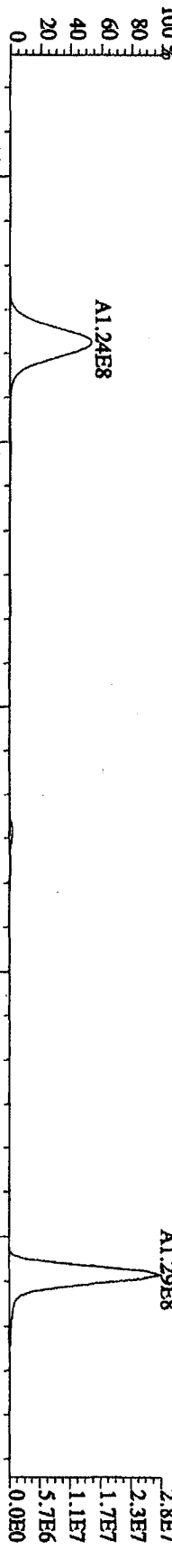
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

Sample#1 Text:CP1231A :DB-5 CP/SM 3732-04 Exp:DIODIXIN

392.9760 F:3 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)



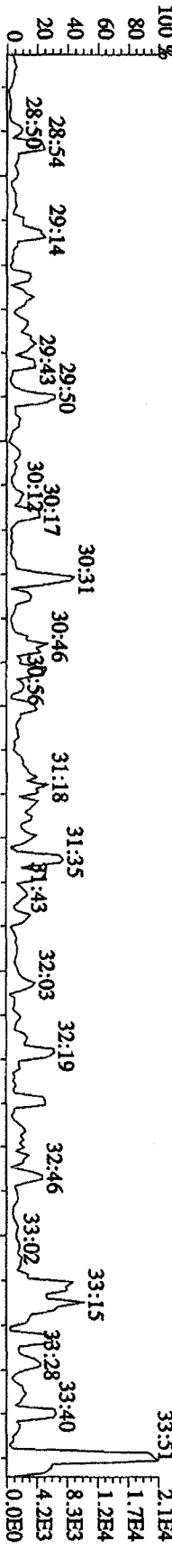
373.8208 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,16148.0,1.00%,F,T)



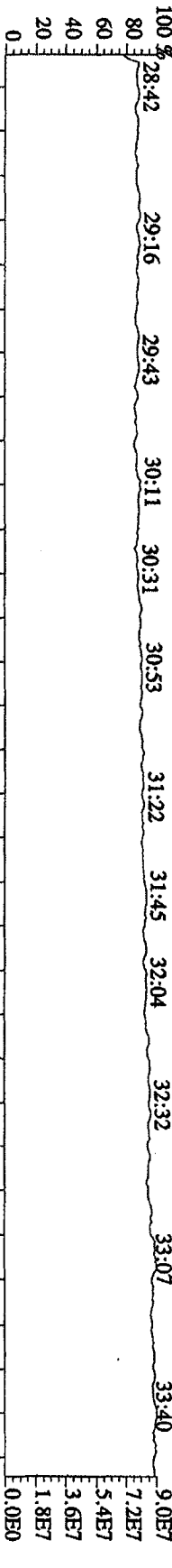
375.8178 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7720.0,1.00%,F,T)



445.7555 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100.00%,1952.0,1.00%,F,T)



380.9760 F:3 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)

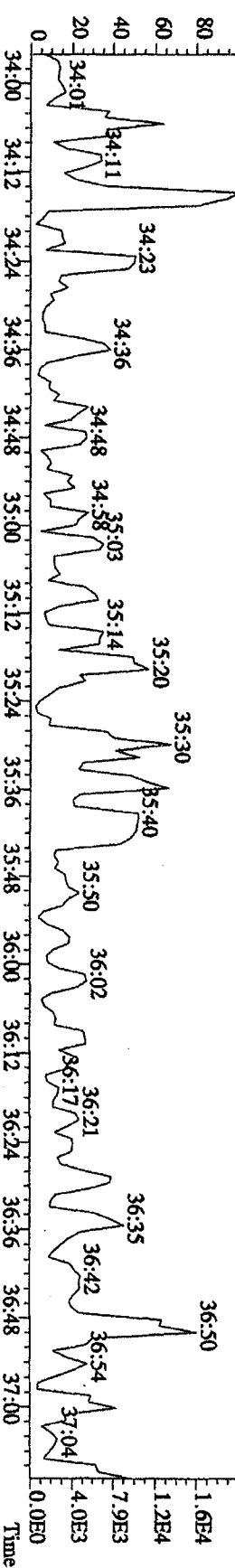
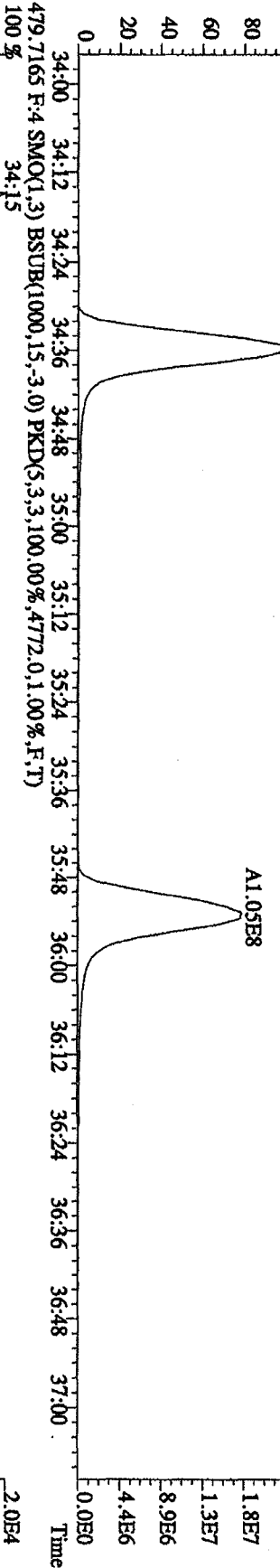
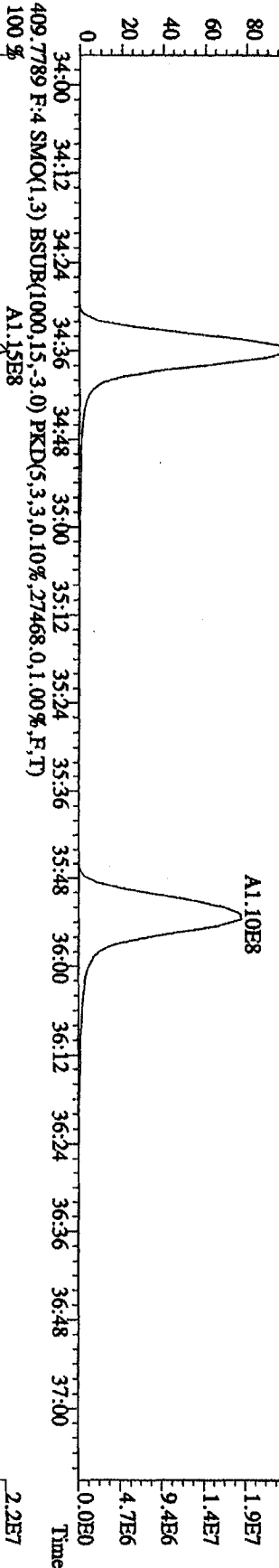
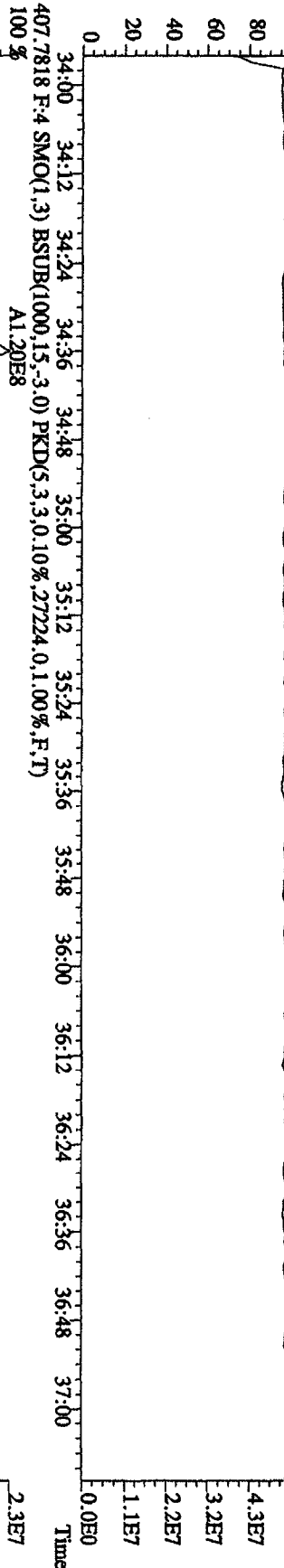


File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

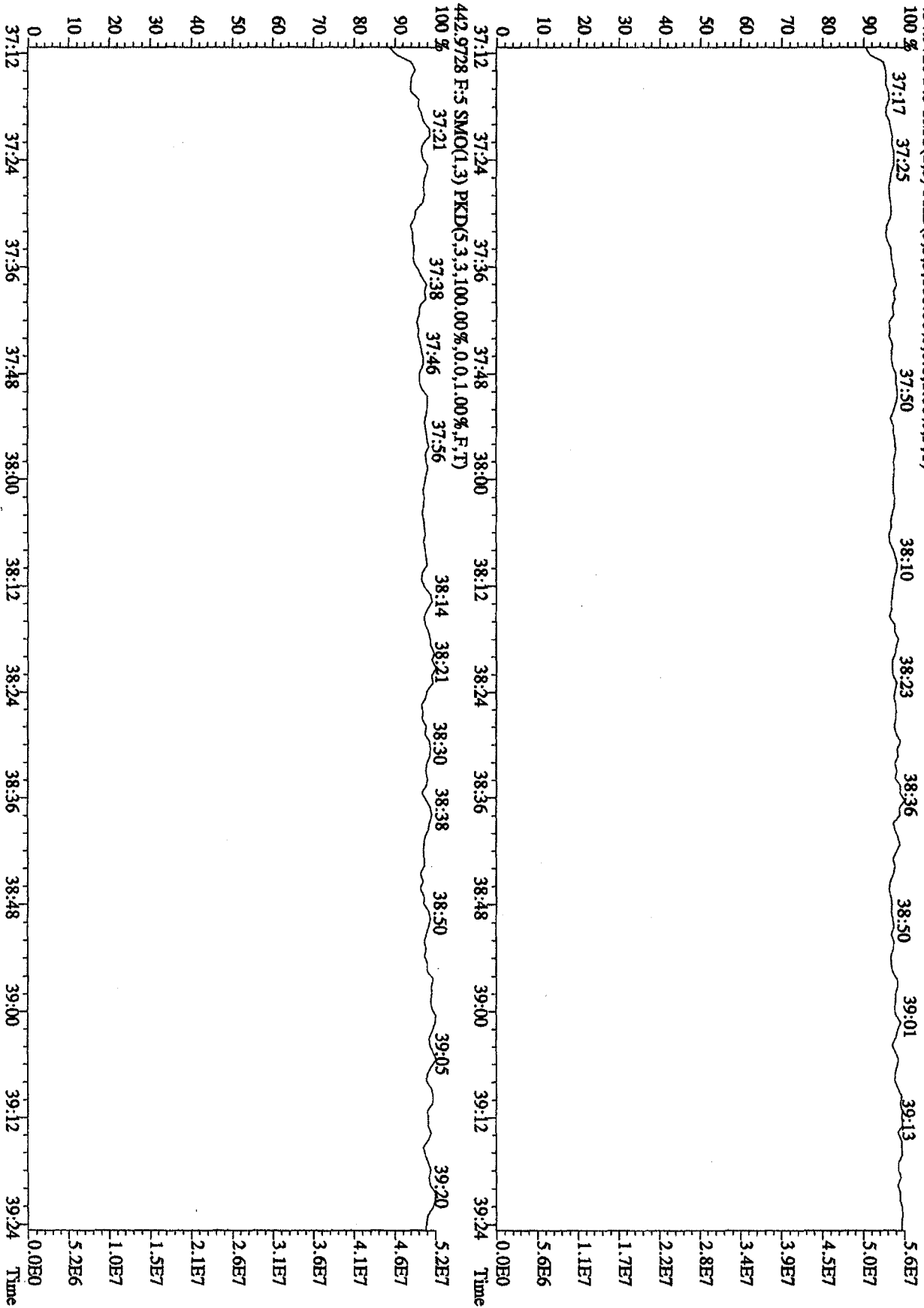
Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DI0XIN

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

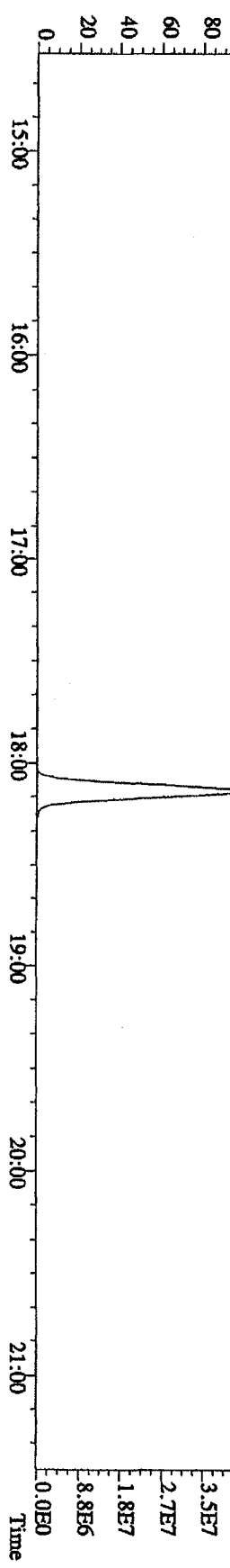
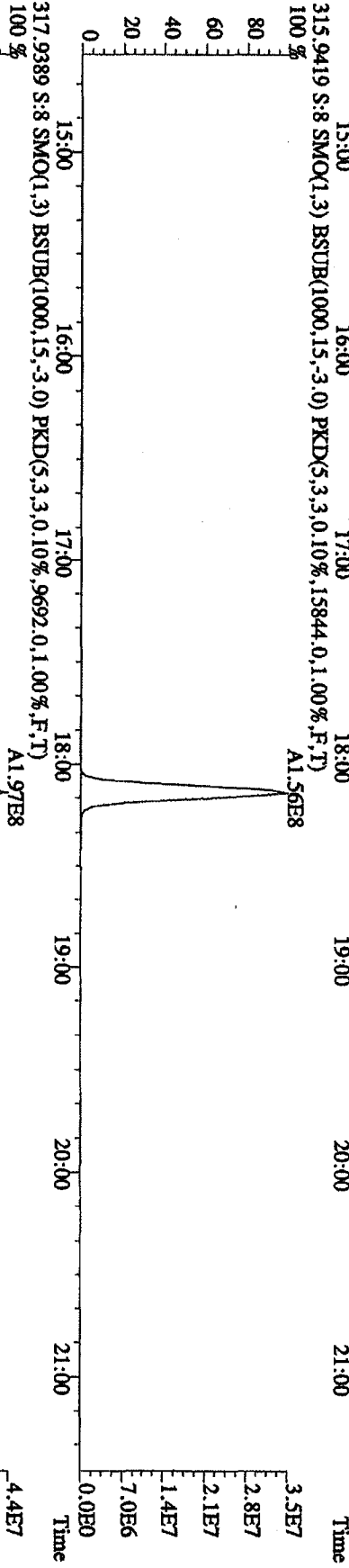
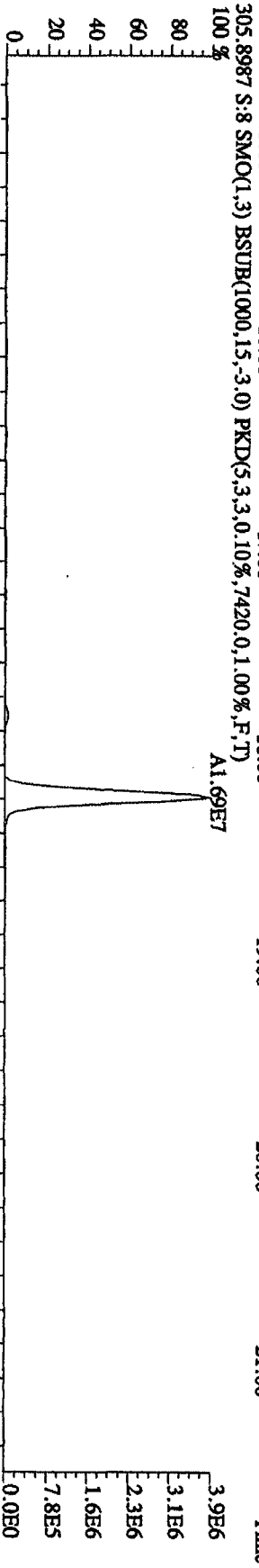
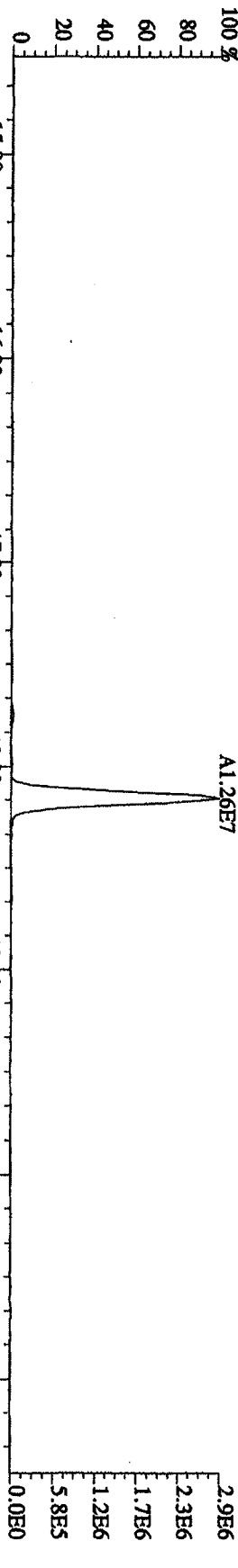
100% 34:05 34:20 34:42 34:58 35:12 35:23 35:39 35:53 36:04 36:24 36:48 37:06



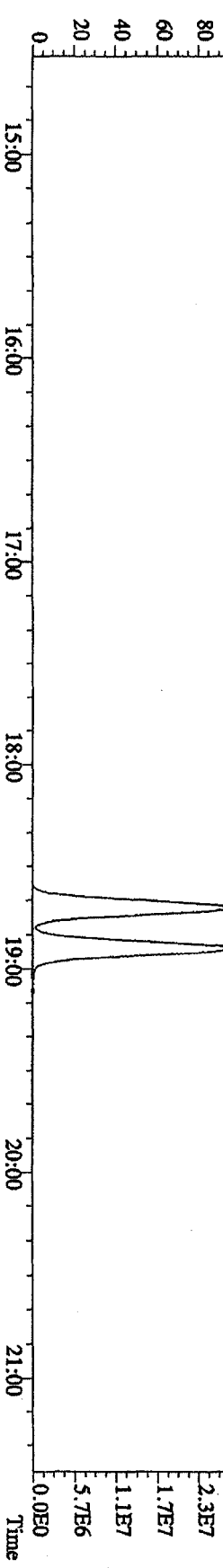
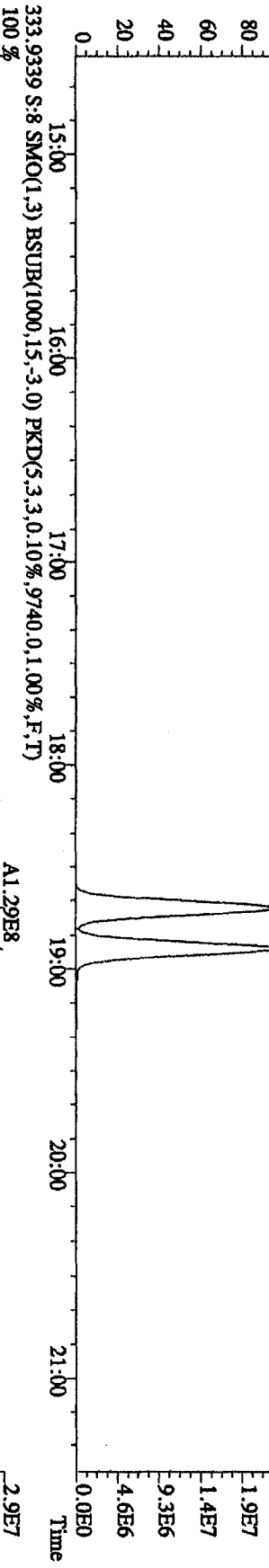
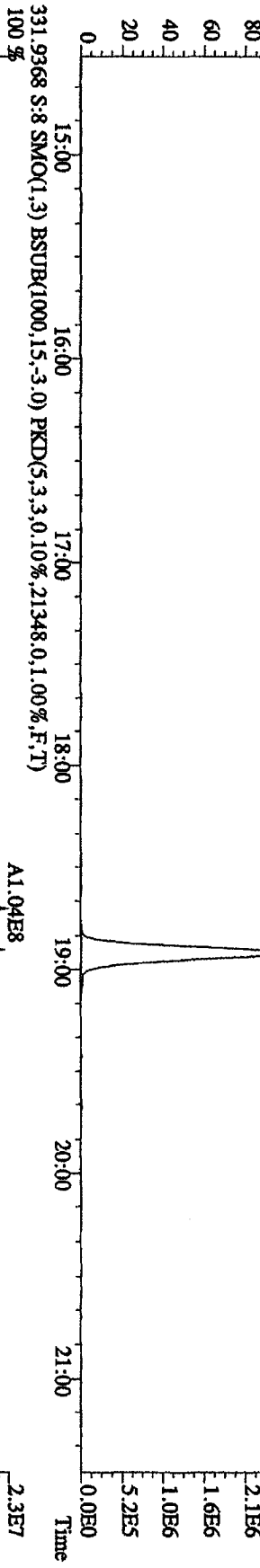
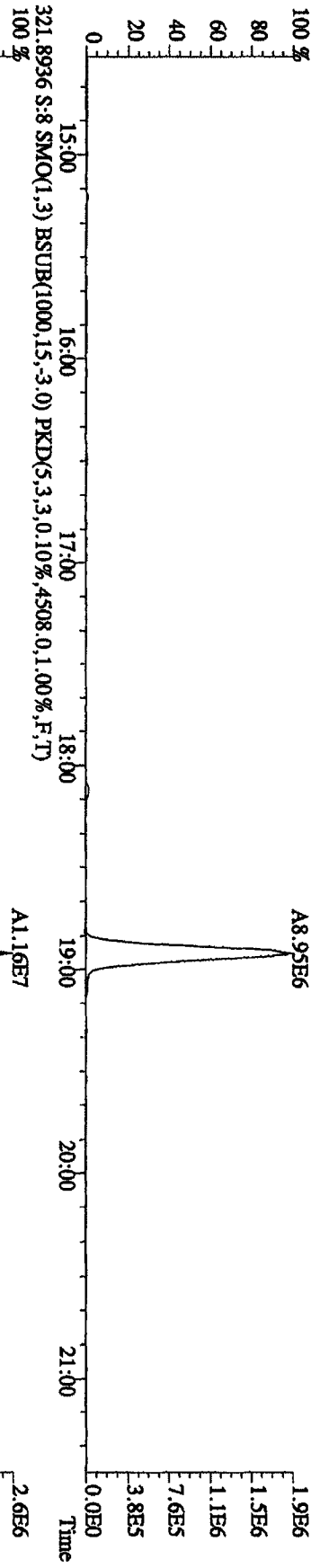
File:31DE09AID5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 454.9728 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



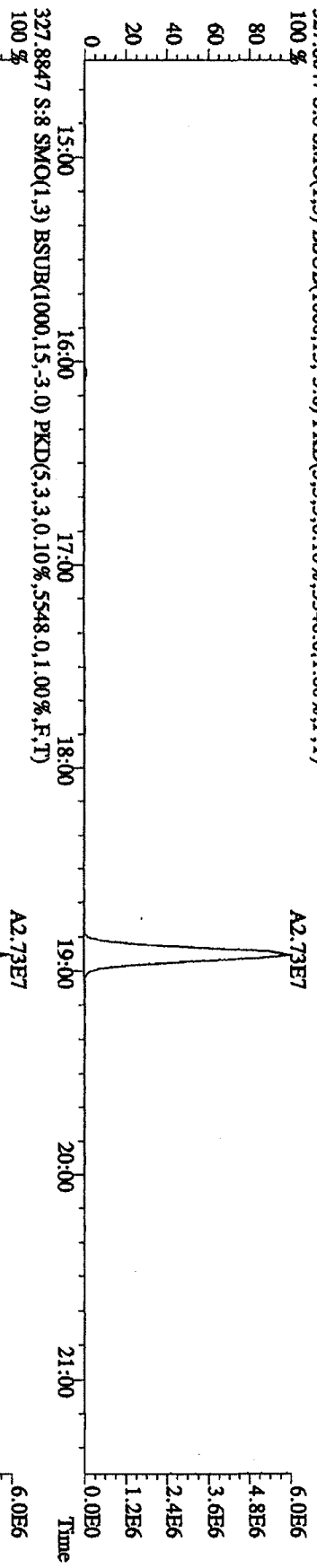
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN
 303.9016 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6072,0.1,00%,F,T)
 100 %



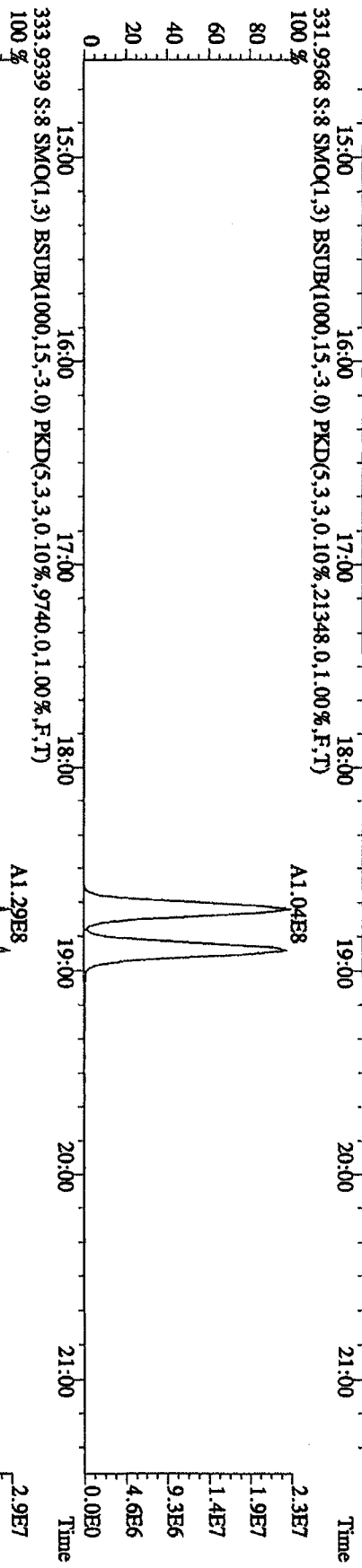
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 319.8965 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4952,0,1.00%,F,T)
 100 %



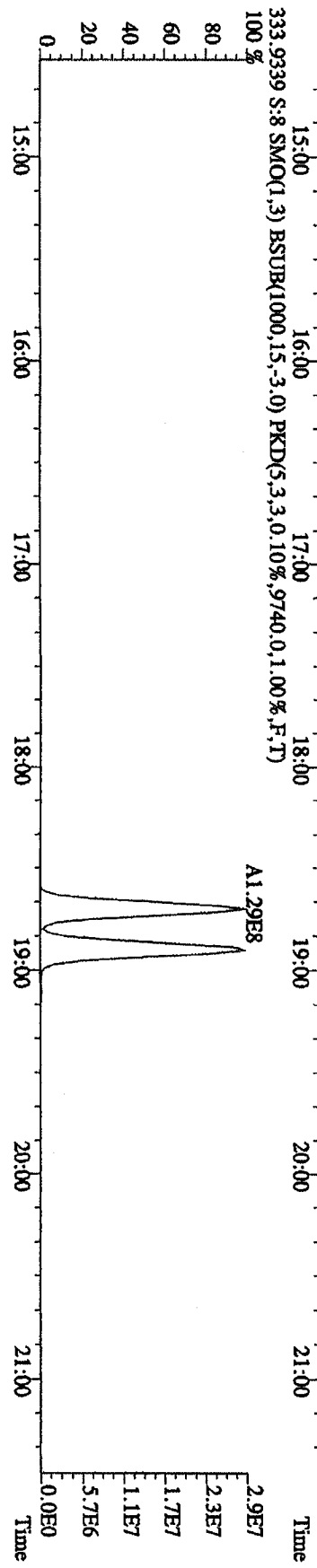
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage S1R 70SE
 Sample#8 Text:ST1231G .2nd Source 09DXM449 Exp:DI0XIN
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5548,0.1,00%,F,T)
 100 %



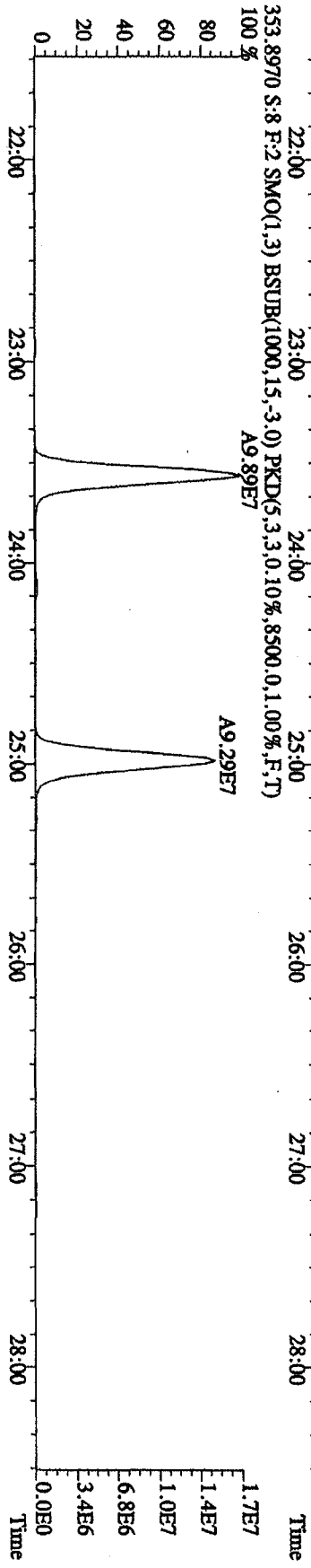
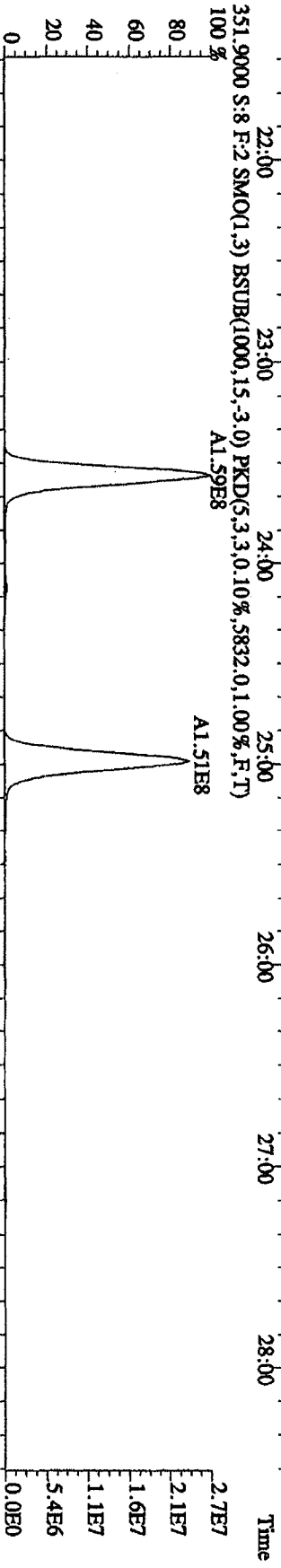
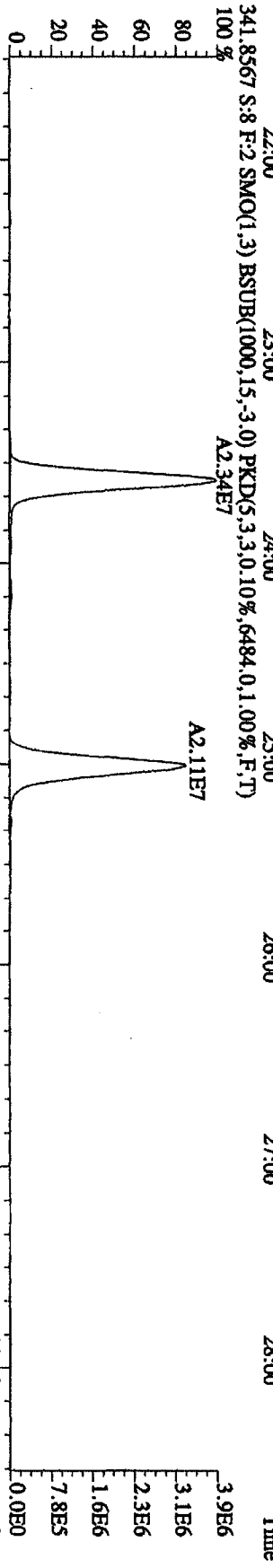
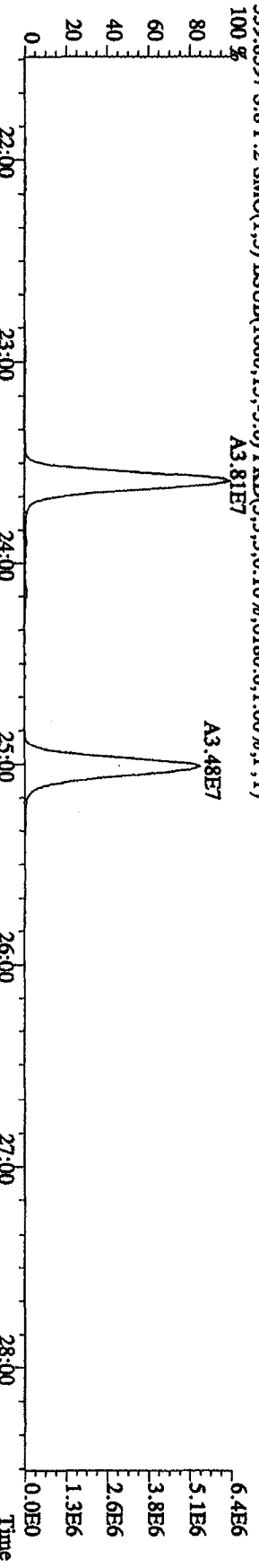
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,21348,0.1,00%,F,T)
 100 %



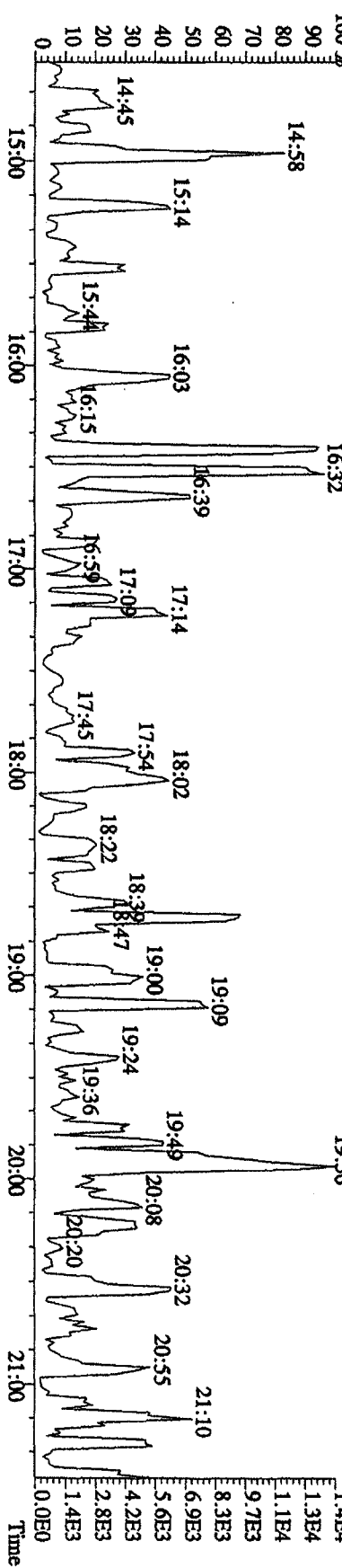
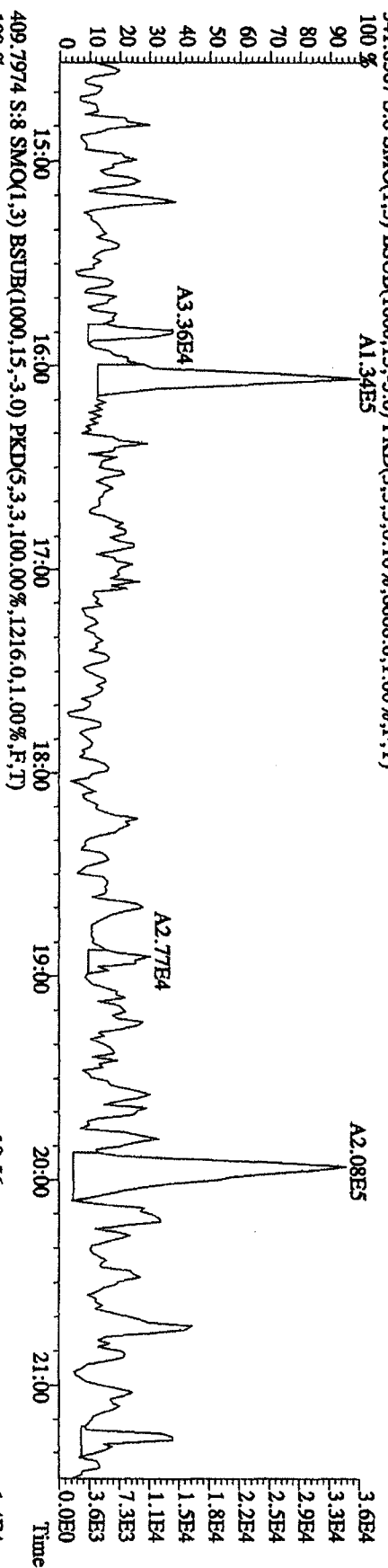
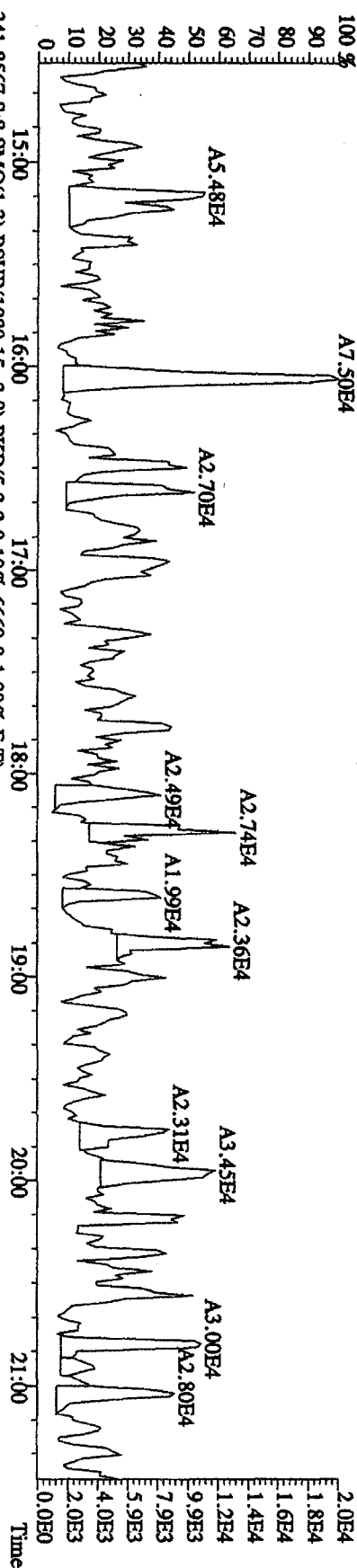
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9740,0.1,00%,F,T)
 100 %



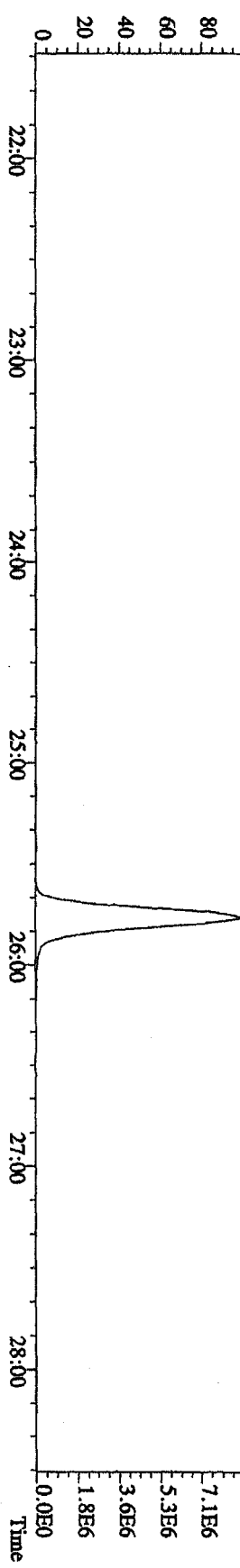
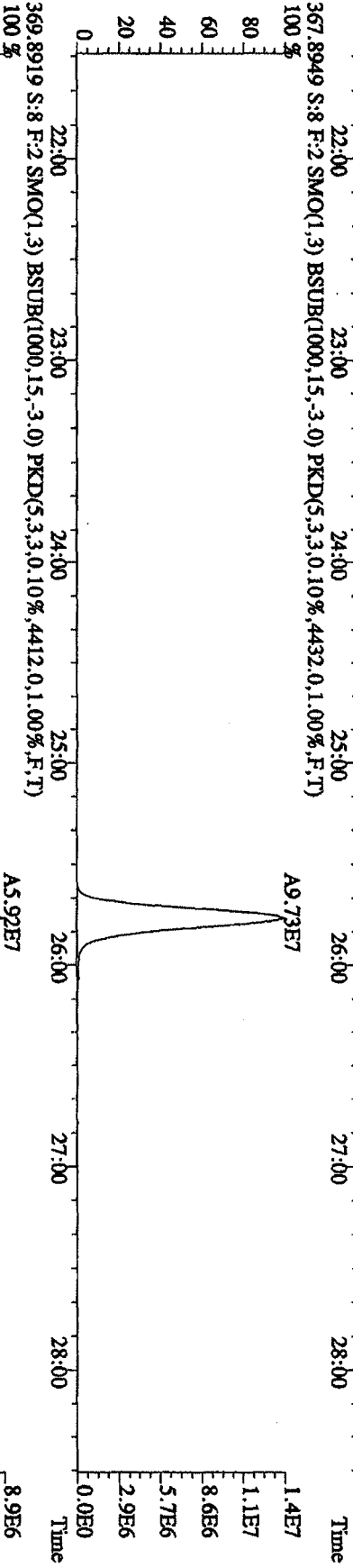
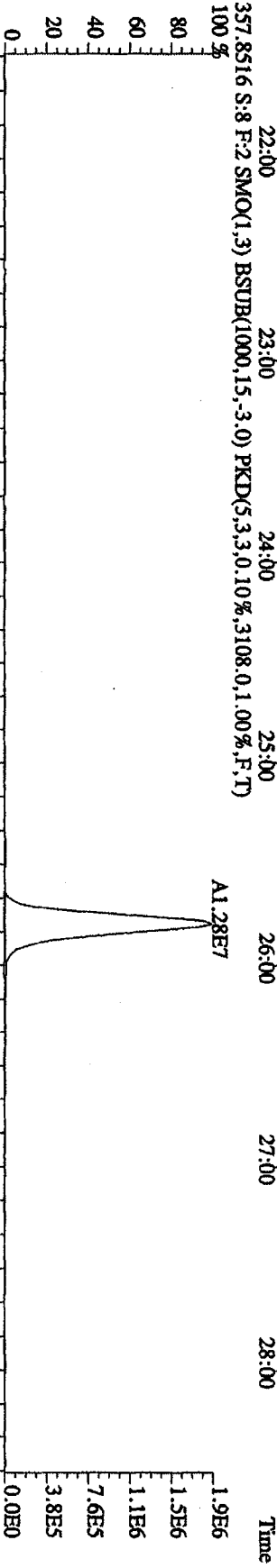
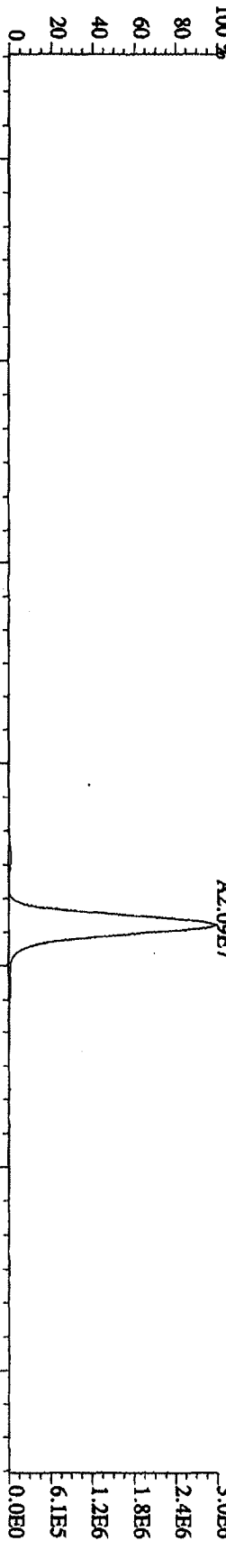
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DI0XIN
 339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6180,0,1,00%,F,T)
 A3.81E7



File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN
 339.8597 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6668,0.1,00%,F,T)
 100 % A7.50E4



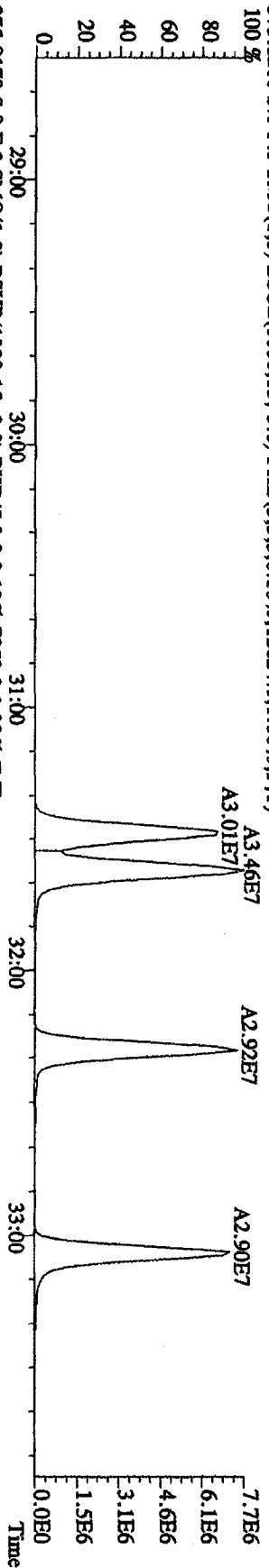
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6516,0,1,00%,F,T)
 100%



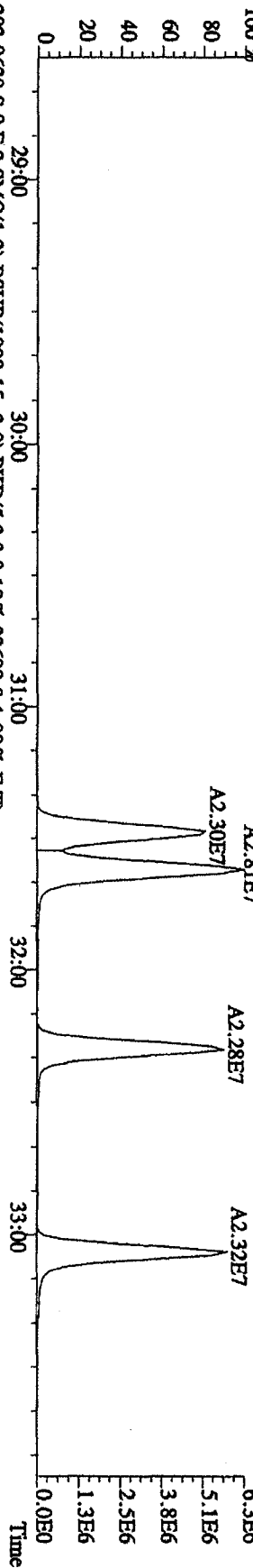
File:3IDEP9AID5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN

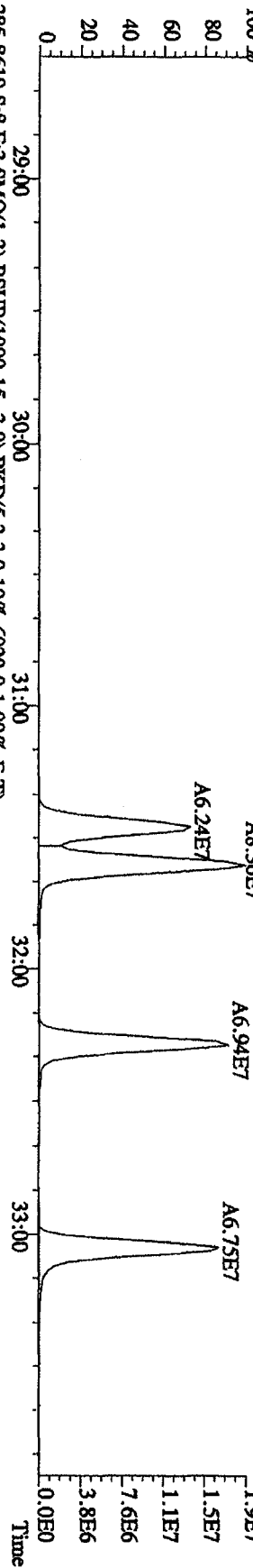
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12624,0,1,00%,F,T)



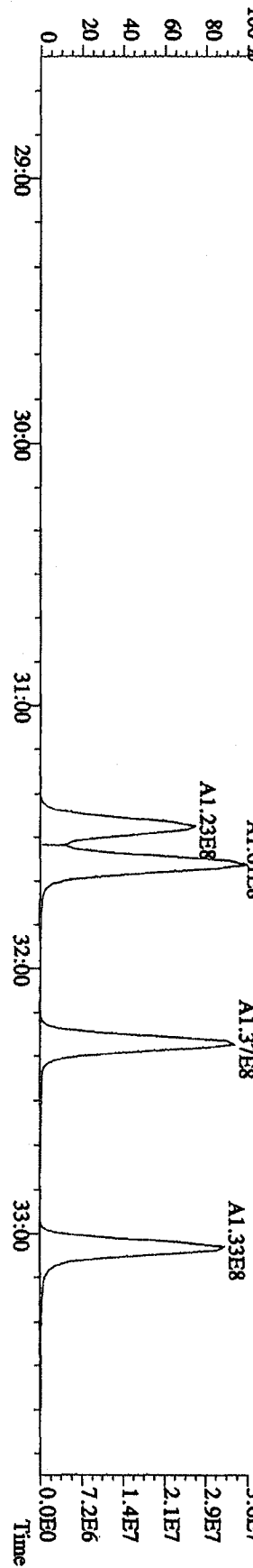
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7352,0,1,00%,F,T)



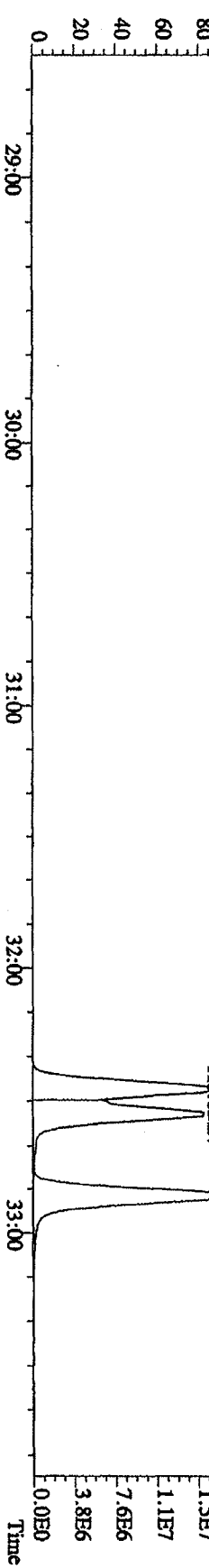
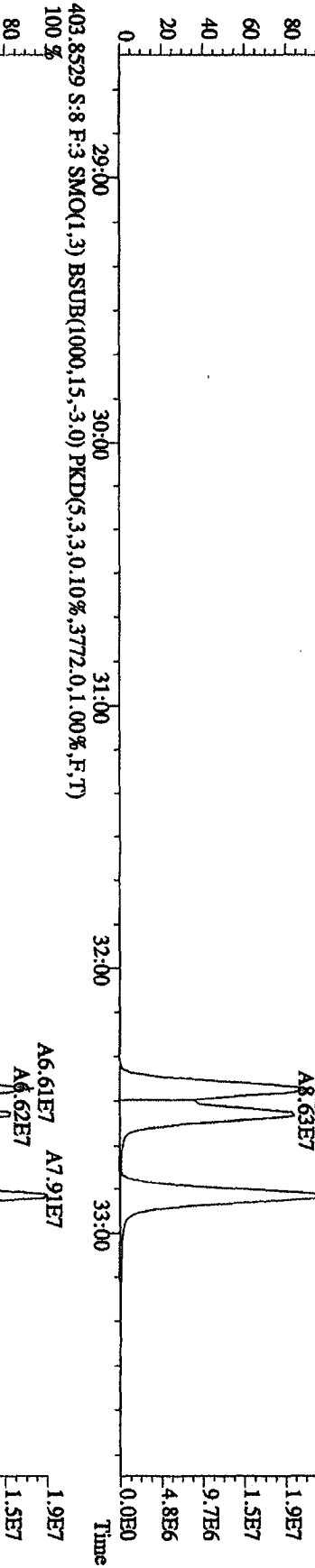
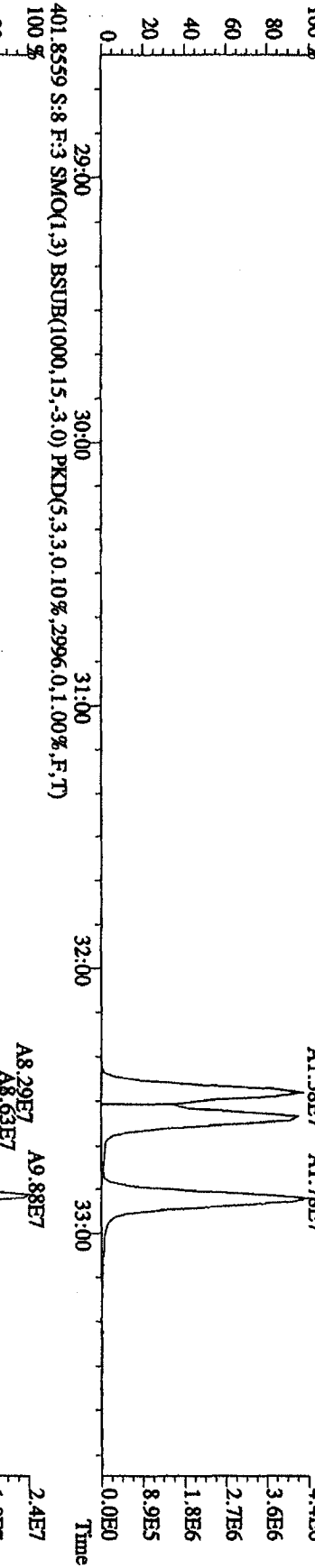
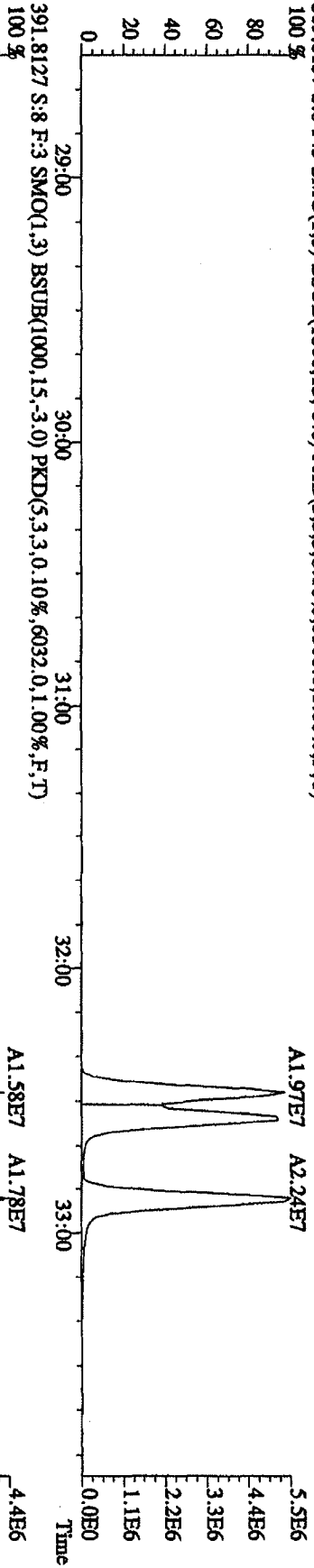
383.8639 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,22688,0,1,00%,F,T)



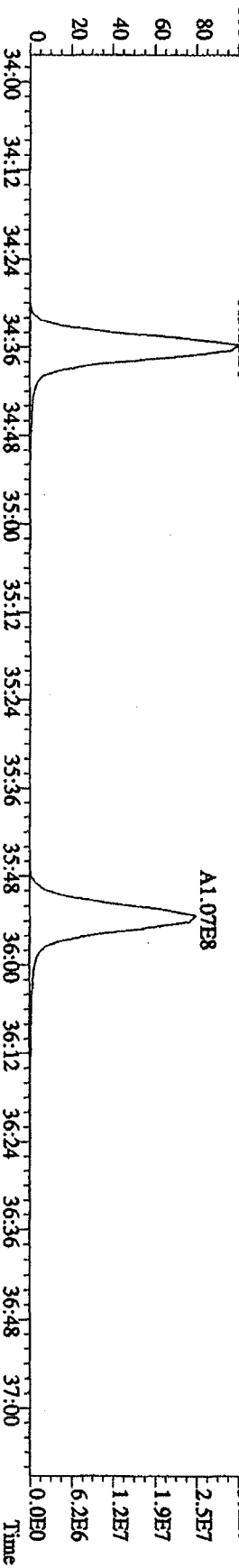
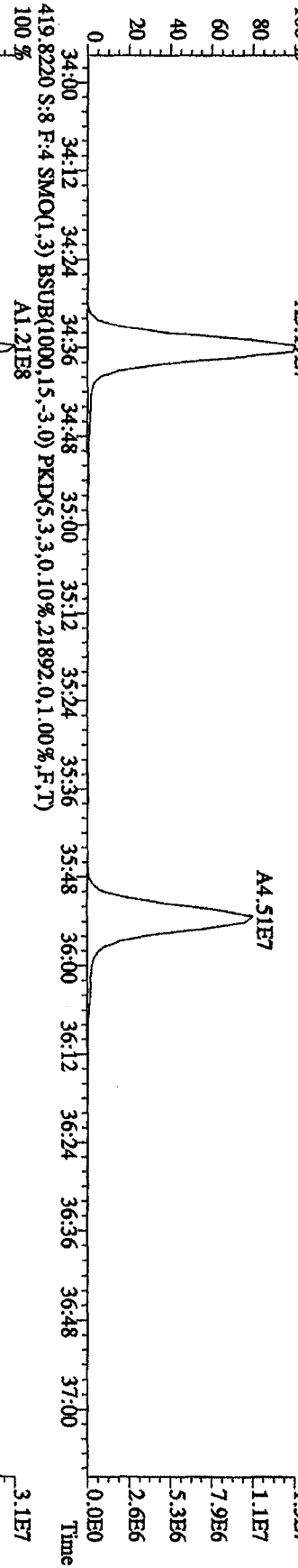
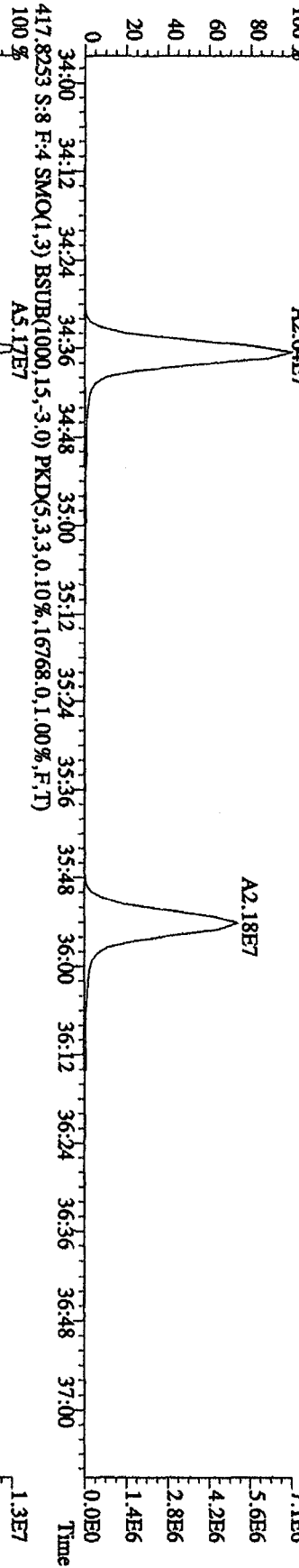
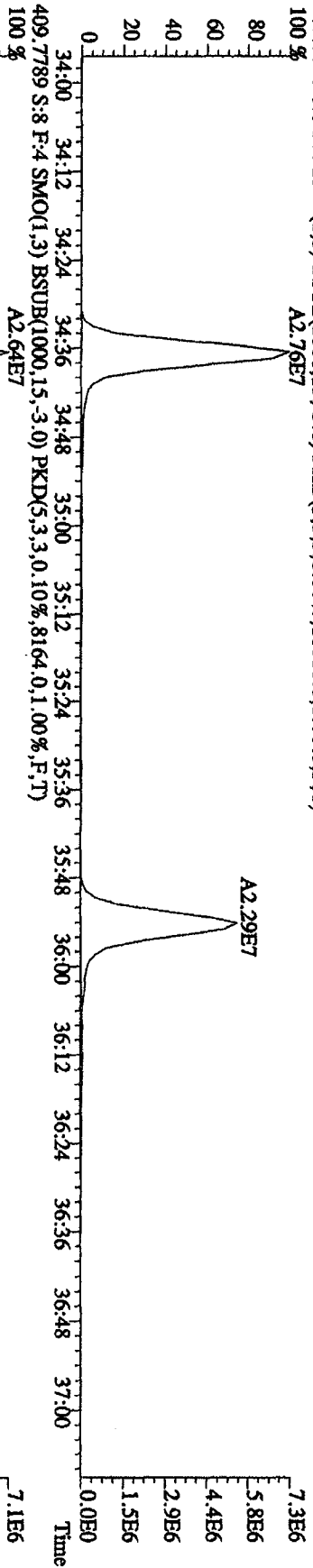
385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6020,0,1,00%,F,T)



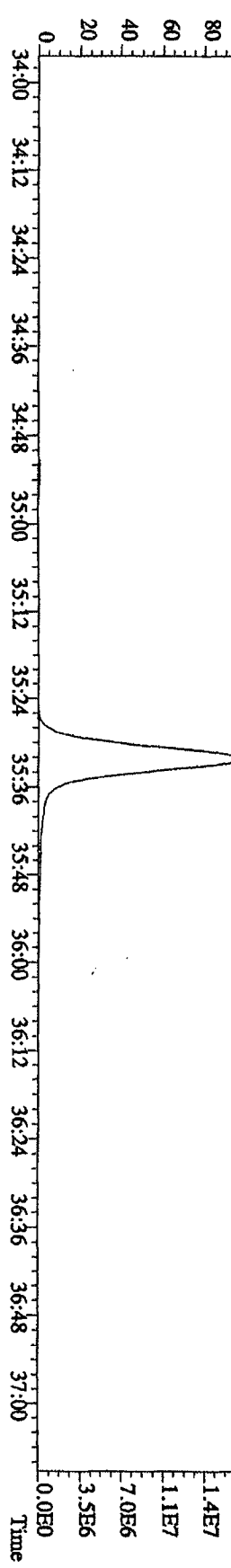
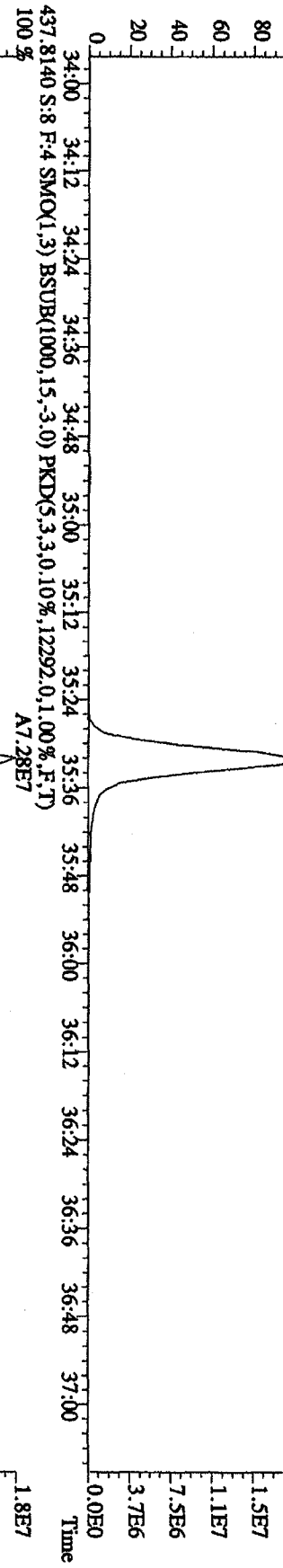
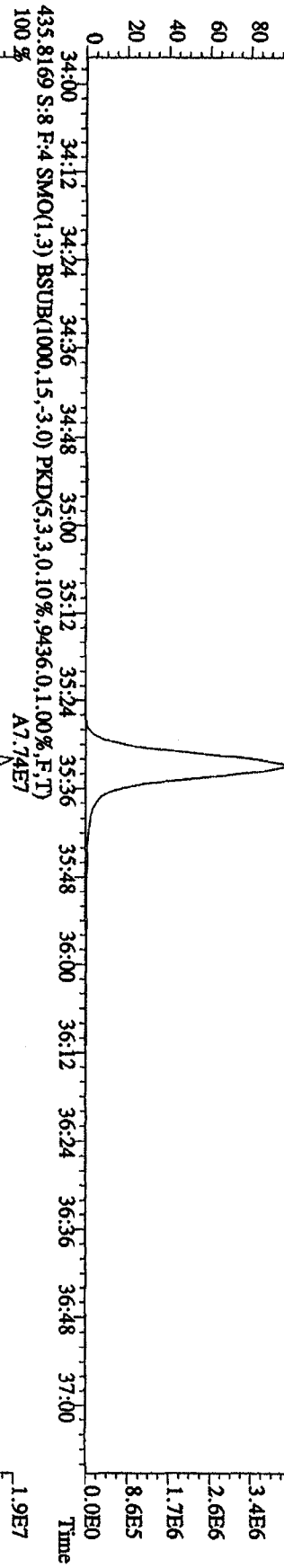
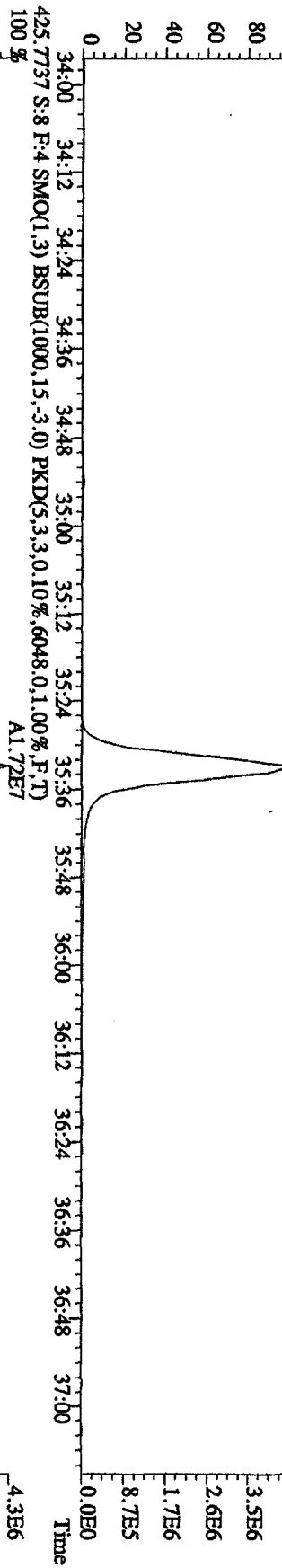
File:31DE09AID5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3308,0,1,00%,F,T)
 100 %



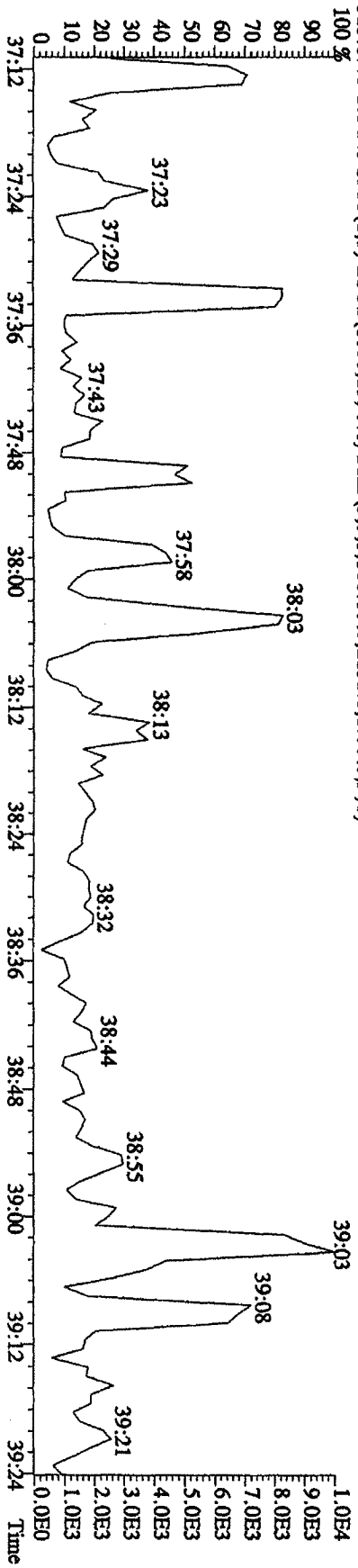
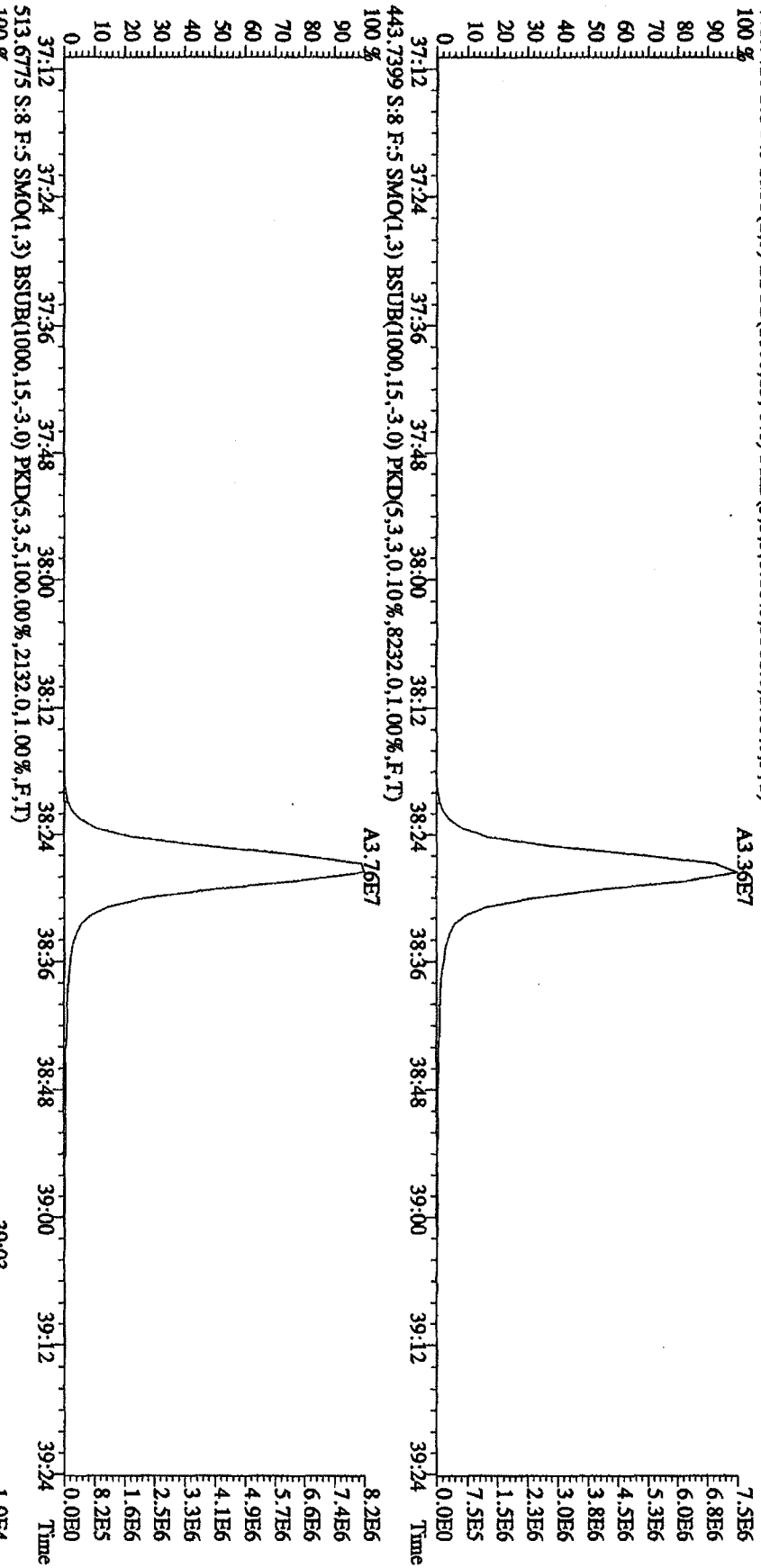
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DI0XIN
 407.7818 S:8 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,10016.0,1.00%,F,T)
 100 %



File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Tert:ST1231G .2nd Source 09DXN449 Exp:DIOXIN
 423.7737 S:8 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7756,0.1,00%,F,T)
 100% A1.72E7



File:31DE09AID5 #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%,8232.0,1.00%,F,T)
 100%

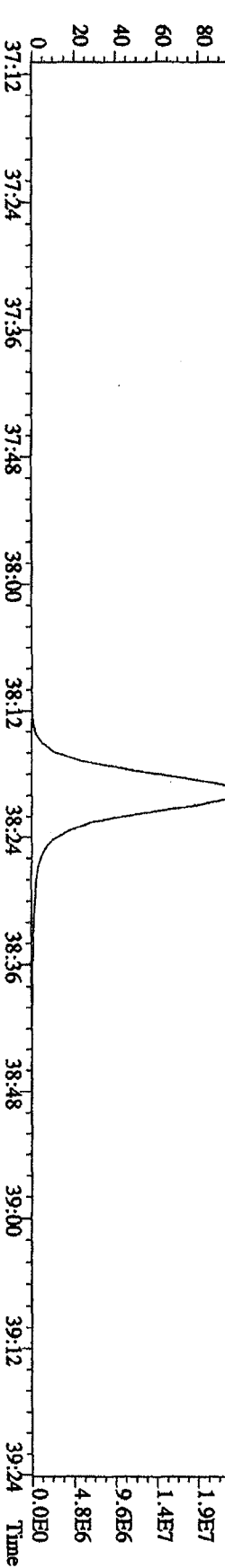
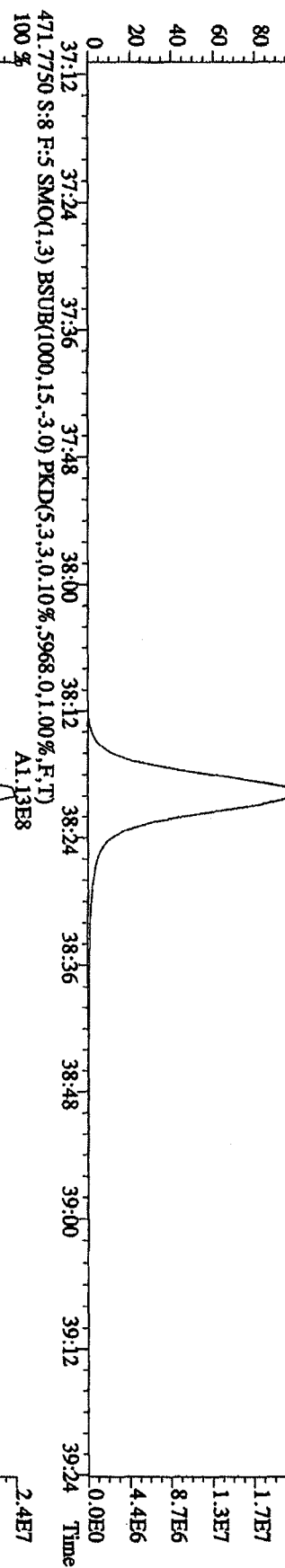
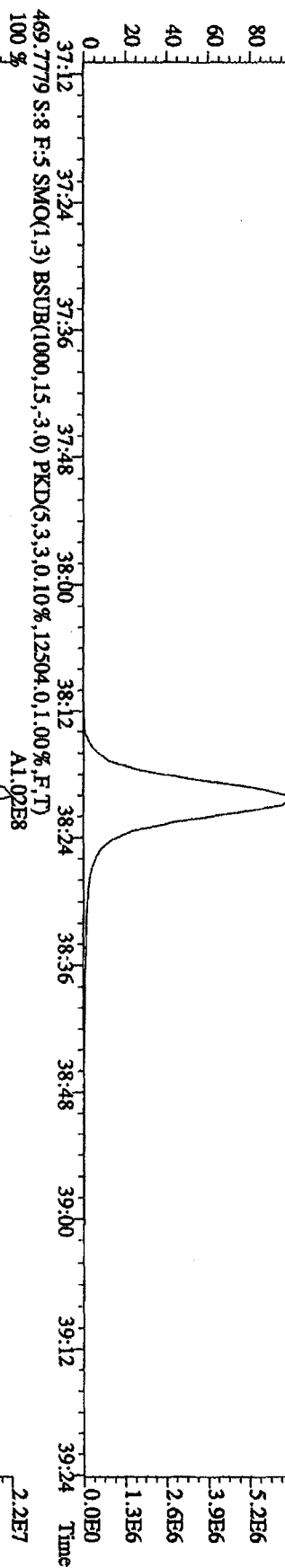
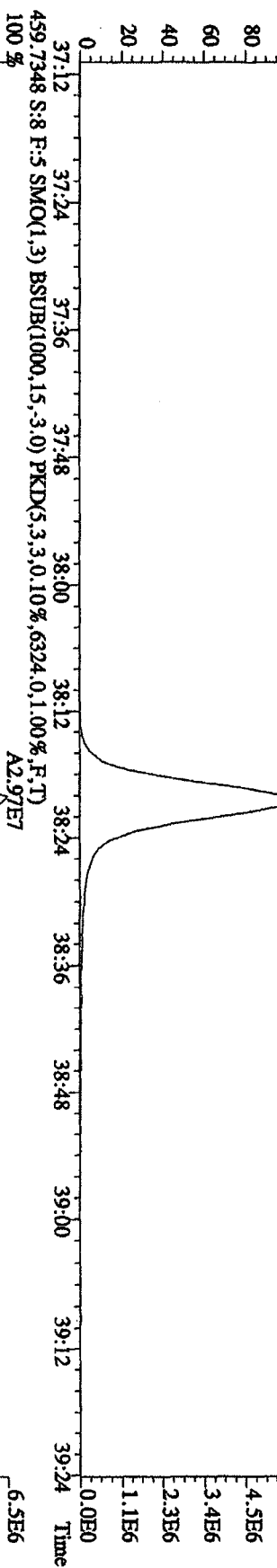


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE

Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DI0XIN

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)

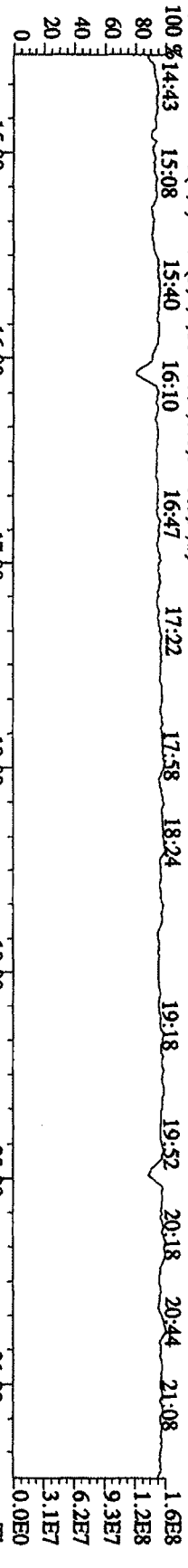
100 % A2.62E7



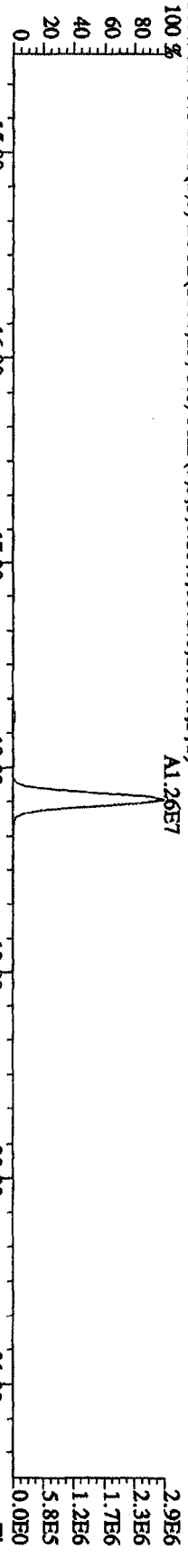
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN

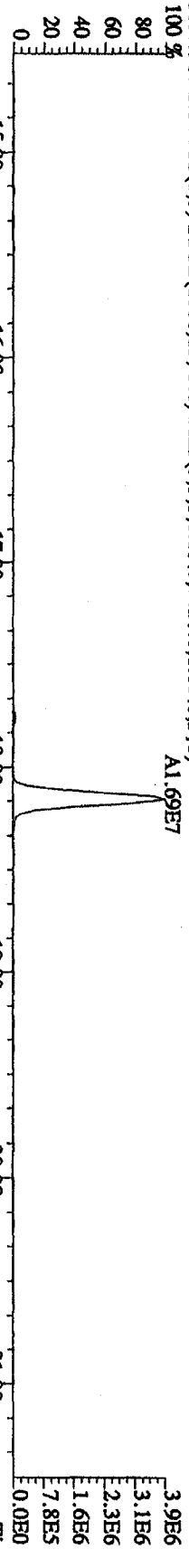
292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



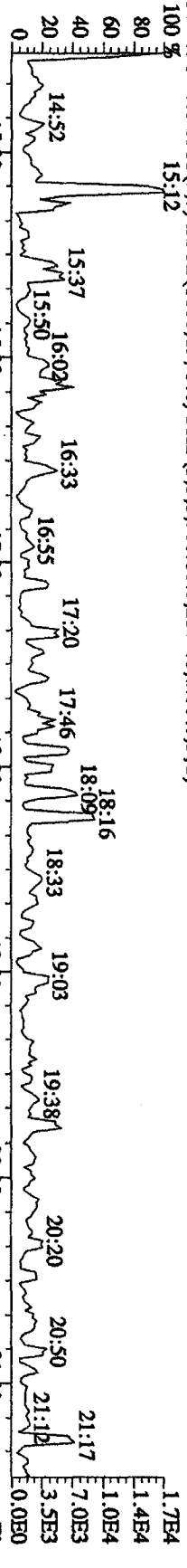
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6072,0,1,00%,F,T)



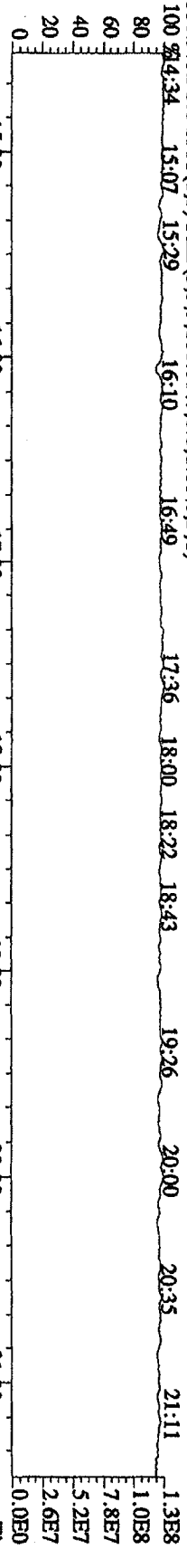
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7420,0,1,00%,F,T)



375.8364 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2352,0,1,00%,F,T)



330.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

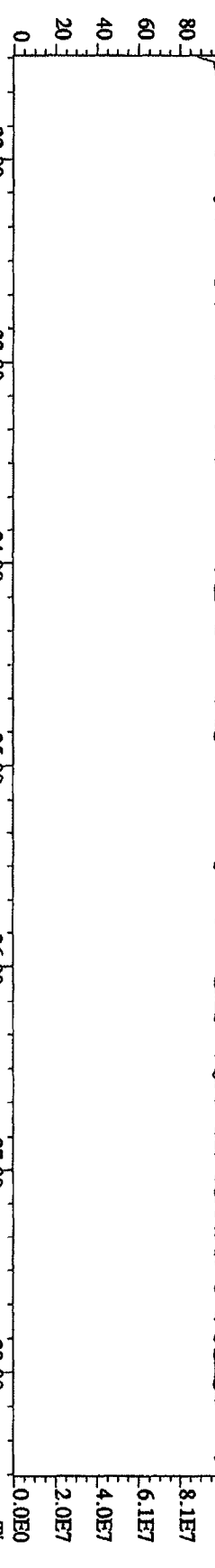


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN

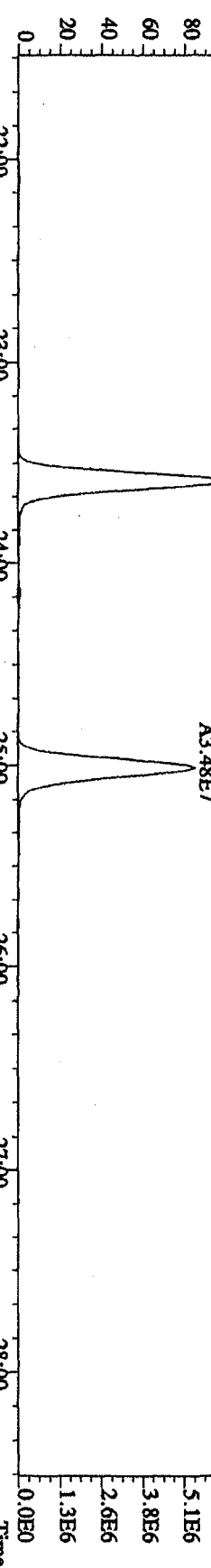
342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



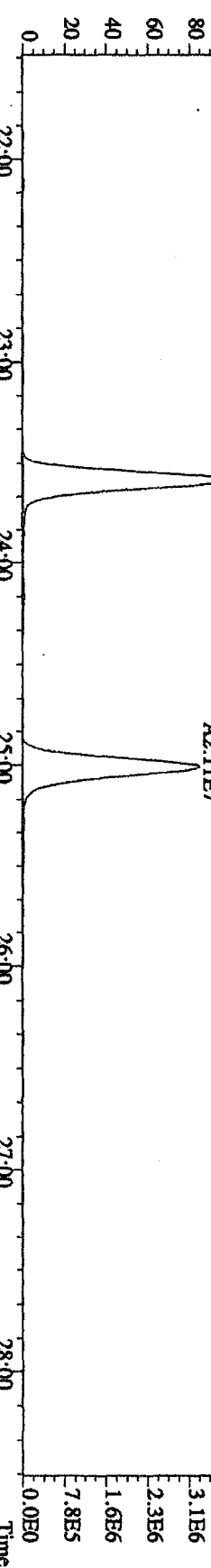
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6180,0.1,0.00%,F,T)

100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



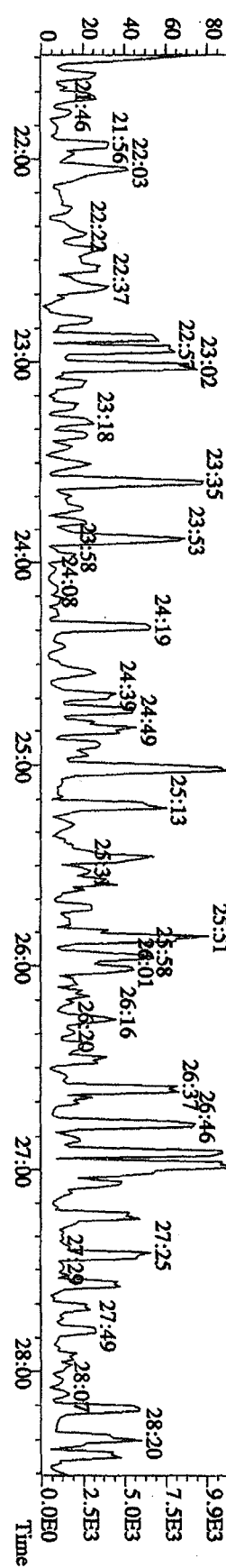
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6484,0.1,0.00%,F,T)

100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00

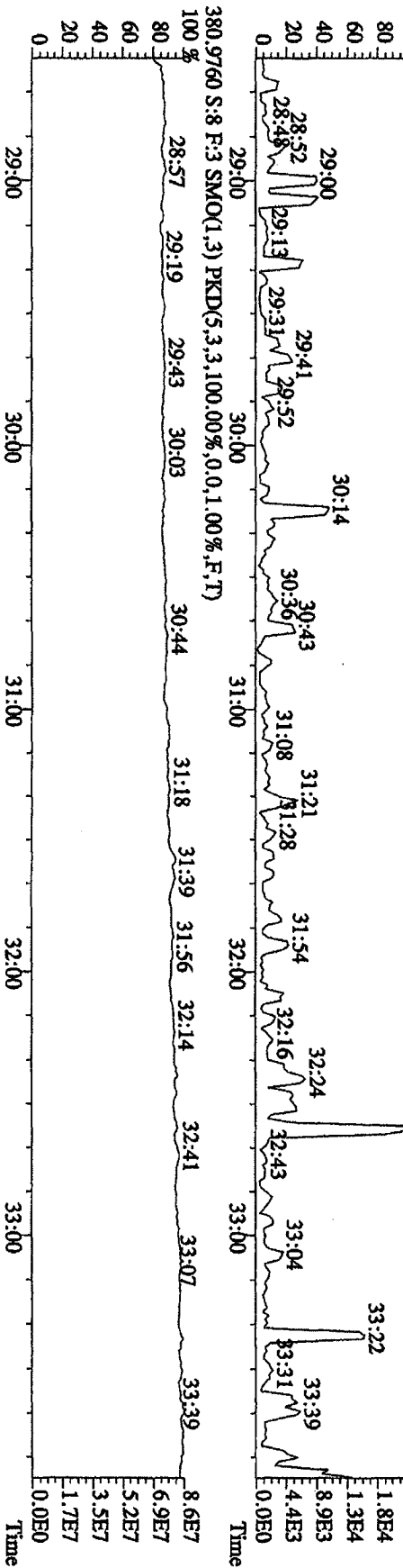
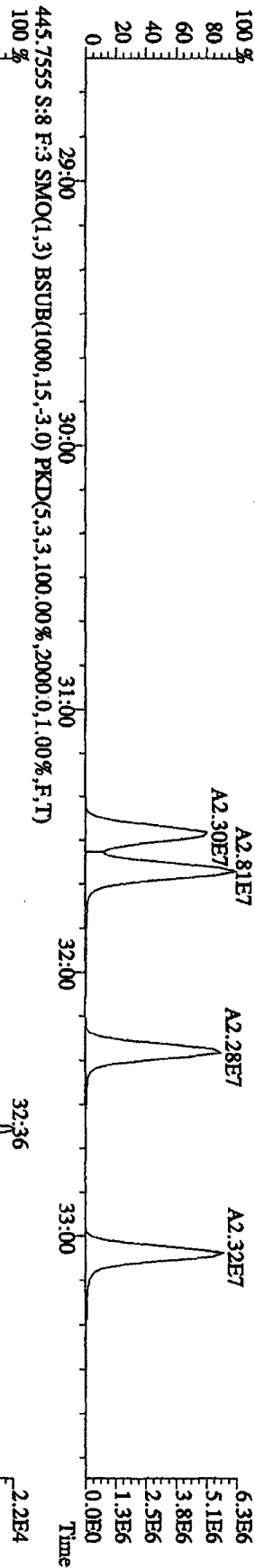
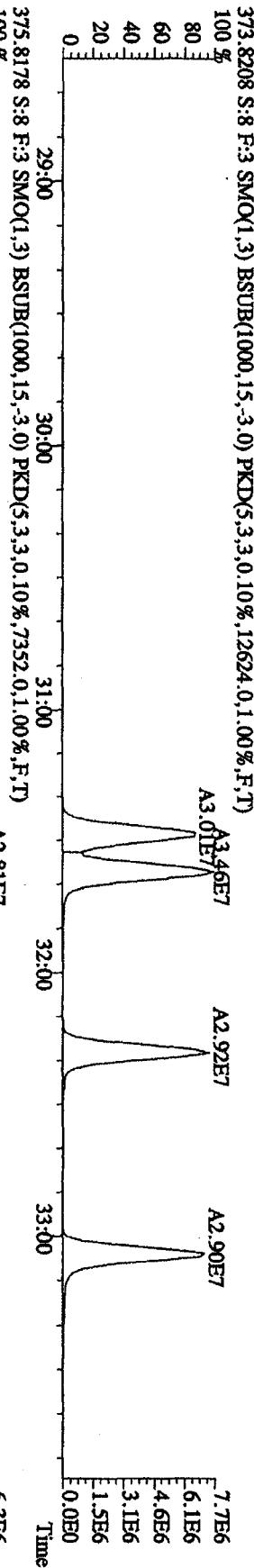
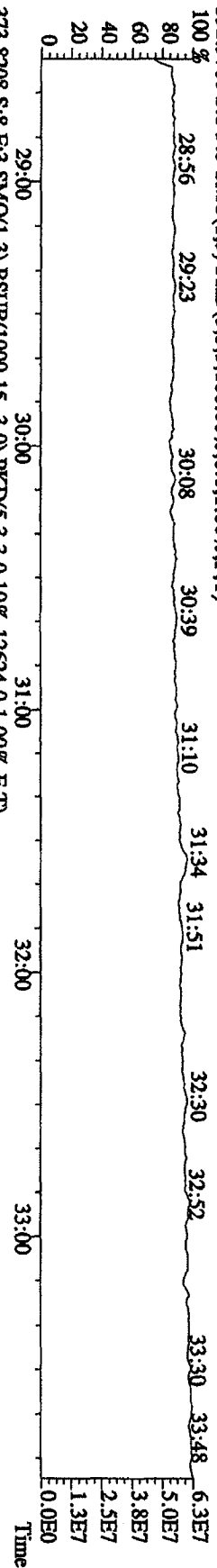


409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1628,0.1,0.00%,F,T)

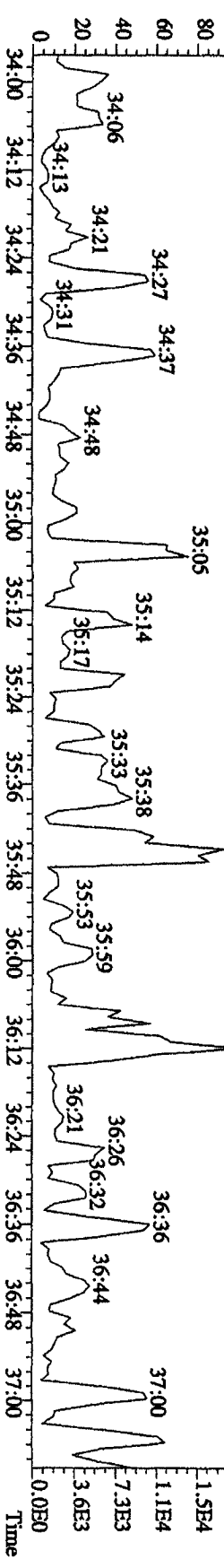
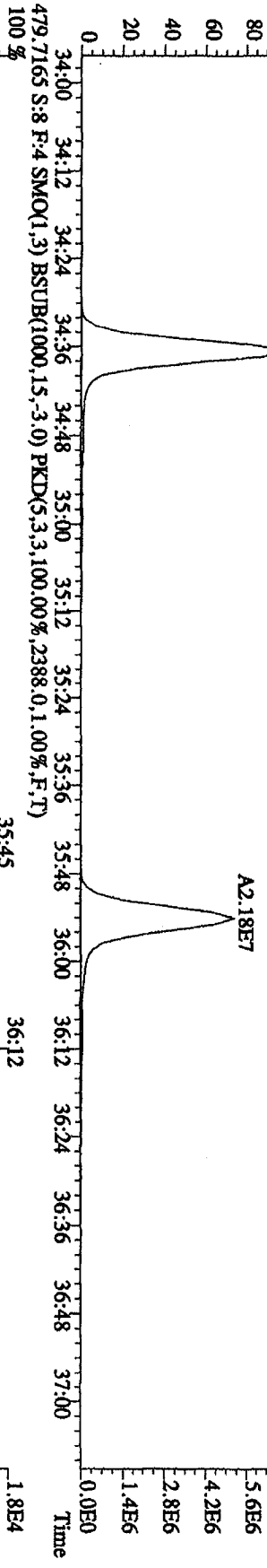
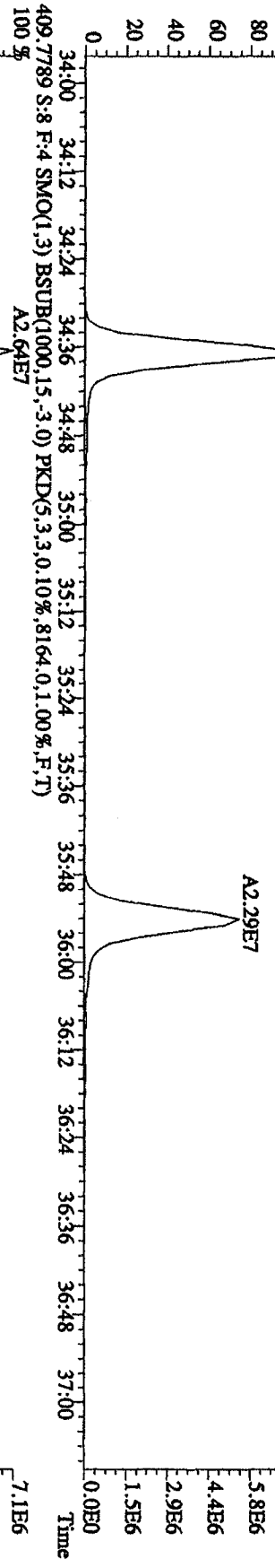
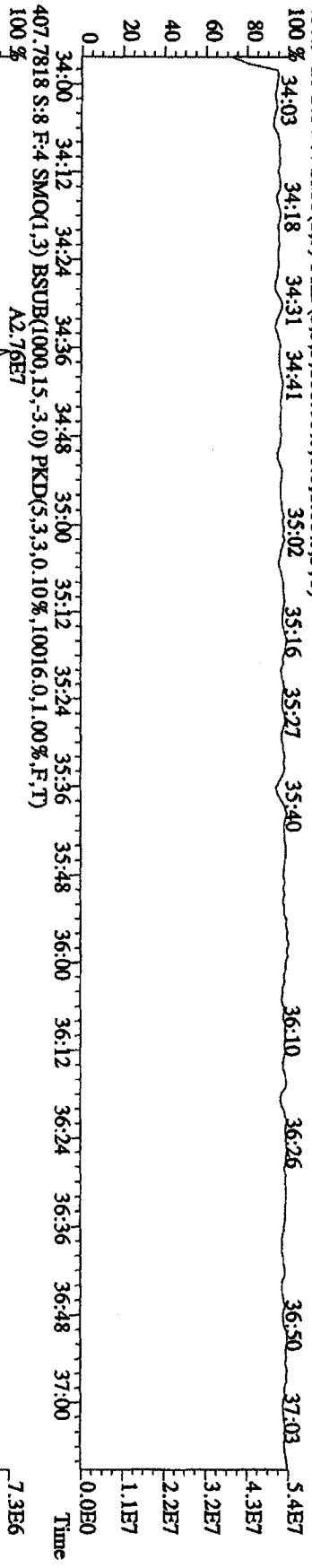
100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



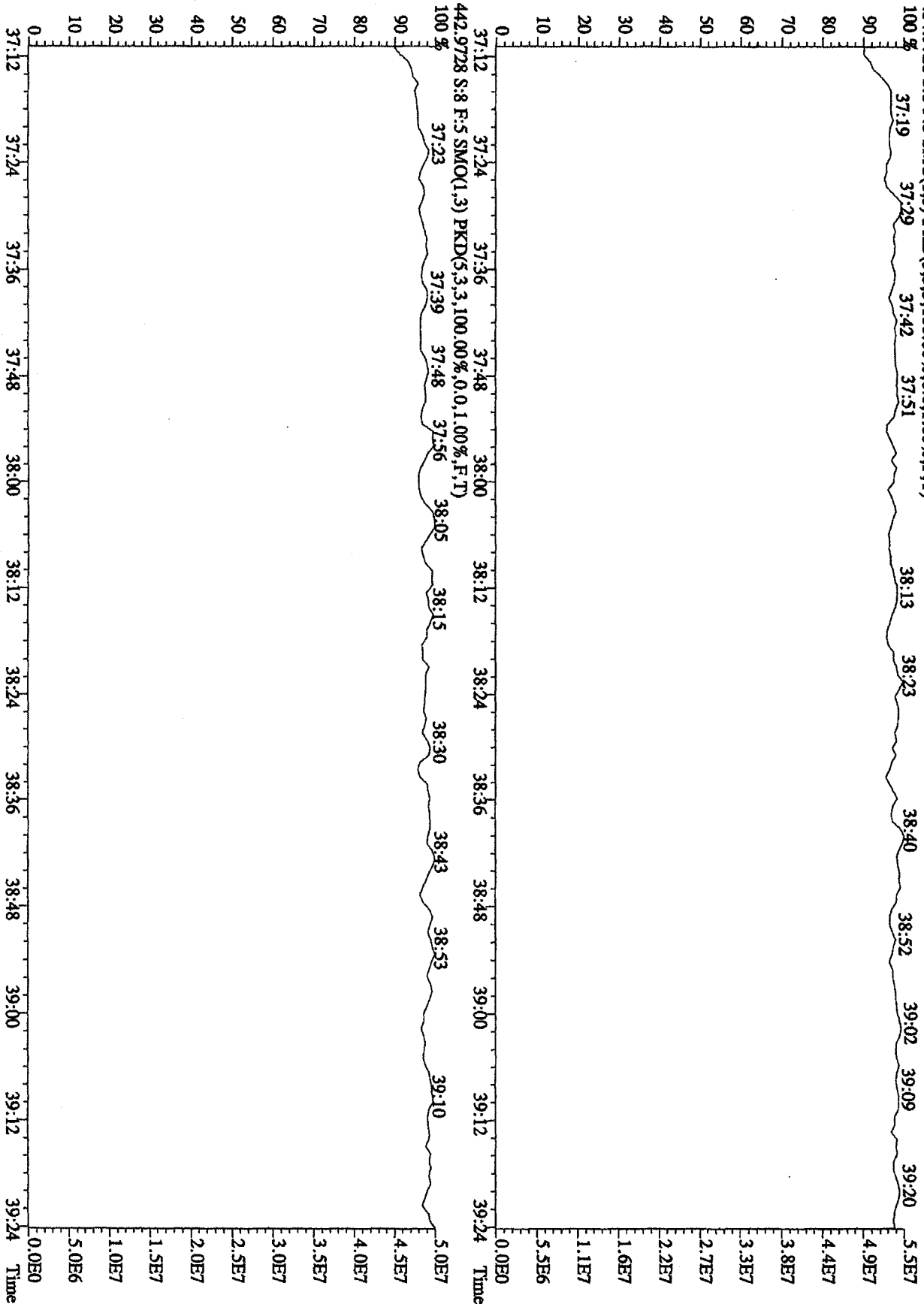
File:31DE09A1IDS #1-362 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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 36:10 36:26 36:50 37:03



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 454.9728 S:8 F:5 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:19 37:29 37:42 37:51



Sample Extraction/Preparation Log
Copies and Checklists

**TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Solid Extraction**

Batch: 0105361
MS Run #:
Prep Date: 4/15/2010

Box # 12

Internal COC:	
Delivered to Inst.:	41411
Inst Receipt:	

Method: IN 8290
Matrix: A SOLID
Extraction: 4W SOXHLET (NOMINAL)
QC: 01 STANDARD TEST SET

SAC: IN - A - 4W - 01
Soxhlet time on: 2030 Soxhlet time off: 1230

Shared QC Batch: SAME

Shares QC With: MM

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	4112A
Hexane	Baker	437E41
H2SO4	NA	NA
20% DCM:Hexane	NA	3630-53B
65% DCM:Hexane	NA	3630-53C
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzenene	NA	NA
Silica Gel	Wako	22-29
Acid Alumina	MP	19
5% Carbon:Silica Gel	NA	NA

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
					200µL	Other				
G0D100461 - 26		LXR841AE	5/8/2010	10.05	✓		5/30/2010	AB-03-41	R-530	4
G0D100464 - 1		LXTARTAC	5/8/2010	10.18	✓		5/30/2010	AA-04-22	R-540	4
G0D100464 - 1	S	LXTARTAD	5/8/2010	10.10	✓		5/30/2010	AB-05-13	R-550	4
G0D100464 - 1	D	LXTARTAE	5/8/2010	10.05	✓		5/30/2010	AA-02-07	R-560	4
G0D130435 - 21		LXV551AE	5/8/2010	10.12	✓		5/30/2010	BA-11-08	R-570	4
G0D130435 - 22		LXV571AD	5/8/2010	10.08	✓		5/30/2010	BA-12-08	R-580	4
G0D130435 - 23		LXV591AD	5/8/2010	10.05	✓		5/30/2010	BA-13-15	R-590	4
G0D130435 - 24		LXV611AE	5/8/2010	10.19	✓		5/30/2010	BA-14-09	R-600	4
G0D130523 - 1		LXWWQ1AE	5/9/2010	10.10	✓		5/30/2010	BA-15-17	R-610	4
G0D130523 - 13		LXWXF1AE	5/9/2010	10.13	✓		5/30/2010	BA-16-07	R-620	4
G0D140422 - 1		LXXKG1AD	5/12/2010	10.07	✓		5/30/2010	BA-17-17	R-630	4
G0D140422 - 3		LXXKQ1AD	5/12/2010	10.22	✓		5/30/2010	BA-18-01	R-640	4
G0D140422 - 5		LXXKW1AD	5/12/2010	10.21	✓		5/30/2010	BA-19-10	R-650	4
G0D140422 - 7		LXXK41AD	5/12/2010	10.10	✓		5/30/2010	BA-20-04	R-660	4
G0D140422 - 9		LXXLD1AD	5/12/2010	10.14	✓		5/30/2010	BA-21-01	R-670	4
G0D140422 - 11		LXXLV1AD	5/12/2010	10.07	✓		5/30/2010	BA-22-04	R-680	4
G0D150000 - 361	B	LX2NN1AA	5/8/2010	10.08	✓		5/30/2010	BA-23-01	R-690	4
G0D150000 - 361	C	LX2NN1AC	5/8/2010	10.06	✓		5/30/2010	BA-24-01	R-700	4

4-15-10

* See attached sheet for sample volumes recorded from scale

Comments/NCMs:

ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	10/21/10	DC	AM	4.15.10
Spike Mix LCS/LCSD/MS/MS	10/21/10	DC	AM	4.15.10
Cleanup Standard All Samples	04/12/2011	TLH	AM	04/19/10
Recovery Standard All Samples	11/19/10	JL	JL	4/19/10
Soxhlet Extraction Analyst/Date	DC/4.15.10			

Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
—	—	MS 4/19/2010	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/19/10
Time: 17:06:05

* QC BATCH: 0105361 *
* PREP DATE: 4/15/10 20:30
* COMP DATE: 4/19/10 12:30

EXTR EXPR	ANL DUE	LOT# WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJT	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID	
5/08/10	4/28/10	GOD130435-024 LXVGA-1-AE		4W	SOLID	10.19g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/09/10	4/29/10	GOD130523-001 LXXWQ-1-AE		4W	SOLID	10.20g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/09/10	4/29/10	GOD130523-013 LXXXP-1-AE		4W	SOLID	10.13g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/12/10	4/27/10	GOD140422-001 LXXKQ-1-AD	R	4W	SOLID	10.32g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/12/10	4/27/10	GOD140422-003 LXXKQ-1-AD	R	4W	SOLID	10.22g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/12/10	4/27/10	GOD140422-005 LXXKW-1-AD	R	4W	SOLID	10.21g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/12/10	4/27/10	GOD140422-007 LXXK4-1-AD	R	4W	SOLID	10.10g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/12/10	4/27/10	GOD140422-009 LXXLD-1-AD	R	4W	SOLID	10.24g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/12/10	4/27/10	GOD140422-011 LXXLV-1-AD	R	4W	SOLID	10.04g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													
5/08/10	0/00/00	GOD150000-361 LX2NN-1-AAE		4W	SOLID	10.00g 10.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN110
COMMENTS:													

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/19/10
Time: 17:06:05

* QC BATCH: 0105361 *
* PREP DATE: 4/15/10 20:30
* COMP DATE: 4/19/10 12:30

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT	ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
5/08/10	0/00/00	G0D150000-361 LX2NN-1-ACC		4W	IN SOLID	10.00g 10.00uL	NA	NA	NA	TOL	300.0 C14	20.0 50.0UL NS 10DXN103 1.0ML IS 10DXN110

COMMENTS:

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

NUMBER OF WORK ORDERS IN BATCH: 18

Preparation Data Review Checklist

Prep Batch(es) D105B01

Test: 0210x

Prep Date: 4.15.10

Holding Times: 5.8.10
5.12.10

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: 4-15-10

2nd Level Reviewer: EM

Date: 4/19/10

Comments:

Data Checklist
HRGCMS/LRGCMS Analyses

Batch #: 0105361 Method ID: 8290

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>AK</u>	<u>AK</u>
Date initiated:	<u>4/29/10</u>	<u>4/29/10</u>
Reviewer:	<u>Murray</u>	<u>Murray</u>
Date reviewed:	<u>4/29/2010</u>	<u>4/29/2010</u>

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

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

Comments: (Use other side if necessary)

⊙ 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.

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
G0D080425-18	LXM7K1AC	1.31	8.59	7.99	0.60	8.24	91.76	0.1		4/16/10 6:59:38 AM
G0D080425-18	LXM7K1AE	1.31	8.70	8.09	0.61	8.25	91.75	0.1		4/16/10 6:59:45 AM
G0D080425-22	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