

January 11, 2010

**TestAmerica Project Number: G9L240493**

PO/Contract:

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

Dear Ms. Arnold,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on December 24, 2009. These samples are associated with your Henderson NV 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 G9L240493

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, Dioxins/Furans

Samples: 1, 2

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

WATER, 8290, Dioxins/Furans

Sample: 3

Sample Data Sheet

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 1, 2

Sample Data Sheets

Laboratory QC Reports

Raw Data Package



## Case Narrative

### TestAmerica West Sacramento Project Number G9L240493

#### **SOLID, 8290, Dioxins/Furans**

Sample(s): 1, 2

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

The samples exhibited elevated noise or matrix interferences for 2,3 7,8 TCDF requiring the detection limits to be raised appropriately. This analyte was flagged with the "G" qualifier.

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on January 6, 2010.

Sample(s): 1

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

Sample(s): 2

Several internal standard recoveries are 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 MB and in the above sample. All detection limits are below the lower calibration limit and there is no adverse impact on data quality.

#### **WATER, 8290, Dioxins/Furans**

Sample(s): 3

Several internal standard recoveries are lower than the method recommended goal in the MB. 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 MB. All detection limits are below the lower calibration limit and there is no adverse impact on data quality.

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 G9L240493

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LRL8H	1	SA196-1BR	12/22/2009 02:15 PM	12/24/2009 09:20 AM
LRL8V	2	SA196-1.5BR	12/22/2009 02:55 PM	12/24/2009 09:20 AM
LRL83	3	EB122209-SO1-A1	12/22/2009 02:35 PM	12/24/2009 09:20 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.

Required Ship to Lab:		Required Project Information:		Required Invoice Information:		COC # 02027.001.01339		Event Complete?					
Lab Name:	TestAmerica	Site ID #:	Tronox LLC, Henderson	Send Invoice to:	Susan Crowley - Tronox LLC	Total # of Samples:	3						
Address:	880 Riverside Parkway West Sacramento, CA 95605	Project #:	2027.001	Address:	PO Box 55 Henderson, NV 89009	Regular	X	Rush	Mark One				
Lab Pk:	Jill Killmann	City:	Henderson	City/Prov:	Henderson, NV 89009	No							
Phone/Fax:	(916) 375-5600	State, Zip:	NV	PO #:		UNPRES							
Lab PM email:	jill.killmann@TestAmericaInc.com	Site PM Name:	Derrick Willis	Send EDD to:	frank.hagar@ngem.com	FB-Dish, Furn, SO							
Applicable Lab Quota #:		Phone/Fax:	(949) 375-7004	CC Hardcopy report to:	PDF Electronic Version Only								
		Site PM Email:	derrick.willis@ngem.com	CC Hardcopy report to:									
ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G-RAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	Comments/Lab Sample I.D.	Temp in °C	Samples on Ice?	Sample Intact?	Blank Trip?
	SA196-1BR	SA196	SO	G	N	12/22/2009	14:15	1	4 oz glass				
	SA196-15BR	SA196	SO	G	N	12/22/2009	14:55	1	4 oz glass				
	EB122209-SO1-A1		W	G	N	12/22/2009	14:35	2	11 Amber Glass Jars				
<p><i>DKS</i> 12/22/09</p>													
<p><i>Call Dana R. Brown, NGEM 1372 1540 JFCF TM 2 SAC 2110009 09210</i></p>													
<p><i>Fed-ex</i></p>													
<p><b>Additional Comments/Special Instructions:</b></p>													
<p>PRINT NAME OF SAMPLER: <b>DANA R. BROWN</b> DATE SIGNED: 12-22-09 TIME: 15:10</p> <p>SIGNATURE OF SAMPLER: <i>[Signature]</i></p>													

CLIENT NORTHGATE ENVIRONMENTAL MGMT PM DA LOG # 62592

LOT# (QUANTIMS ID) G9L240493 QUOTE# 84087 LOCATION WISC

DATE RECEIVED 24 Dec 09 TIME RECEIVED 0920 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) SAL

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

COC #(S) 02027.001.01339

TEMPERATURE BLANK Observed: 2 Corrected: 2

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 2 2 3 Average 2 Corrected Average 2

~~LABORATORY THERMOMETER ID:~~

IR UNIT: #4  #5  OTHER

[Signature] 24 Dec 09  
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

[Signature] 24 Dec 09  
Initials Date

Notes \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Lot

ID:

G9L240493

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

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

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

# SOLID, 8290, Dioxins/Furans

**Northgate Environmental Management, Inc.**

**Sample ID: SA196-1BR**

**Trace Level Organic Compounds**

**SW846 8290**

**Lot - Sample #....:** G9L240493 - 001  
**Date Sampled....:** 12/22/09  
**Prep Date....:** 12/28/09  
**Prep Batch # ....:** 9362386  
**Initial Wgt/Vol :** 10.19 g

**Work Order #....:** LRL8H1AC  
**Date Received....:** 12/24/09  
**Analysis Date....:** 01/04/10  
**Dilution Factor....:** 0.98  
**Analyst ID....:** Sonia Ouni

**Matrix....:** SOLID  
**Instrument ID....:** 3D5  
**% Moisture....:** 5.7  
**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	16	0.52	1.0	16
1,2,3,7,8-PeCDD	42	2.6	1.0	42
1,2,3,4,7,8-HxCDD	23	2.6	0.1	2.3
1,2,3,6,7,8-HxCDD	52	2.6	0.1	5.2
1,2,3,7,8,9-HxCDD	47	2.6	0.1	4.7
1,2,3,4,6,7,8-HpCDD	230 B	2.6	0.01	2.3
OCDD	320 B	5.2	0.0003	0.096
2,3,7,8-TCDF	390 CON G	0.70	0.1	39
1,2,3,7,8-PeCDF	680	2.6	0.03	20
2,3,4,7,8-PeCDF	350	2.6	0.3	100
1,2,3,4,7,8-HxCDF	1400 E B	2.6	0.1	140
1,2,3,6,7,8-HxCDF	880 B	2.6	0.1	88
2,3,4,6,7,8-HxCDF	240	2.6	0.1	24
1,2,3,7,8,9-HxCDF	130	2.6	0.1	13
1,2,3,4,6,7,8-HpCDF	3400 E B	2.6	0.01	34
1,2,3,4,7,8,9-HpCDF	1600 E B	2.6	0.01	16
OCDF	11000 E B	5.2	0.0003	3.3

**Total TEQ Concentration**

**550**

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	59	40 - 135
13C-1,2,3,7,8-PeCDD	58	40 - 135
13C-1,2,3,6,7,8-HxCDD	66	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	63	40 - 135
13C-OCDD	64	40 - 135
13C-2,3,7,8-TCDF	64	40 - 135
13C-1,2,3,7,8-PeCDF	57	40 - 135
13C-1,2,3,4,7,8-HxCDF	60	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	62	40 - 135

**QUALIFIERS**

Results and reporting limits have been adjusted for dry weight.



**Northgate Environmental Management, Inc.**

**Sample ID: SA196-1BR**

**Trace Level Organic Compounds**

**SW846 8290**

<b>Lot - Sample #....:</b>	G9L240493 - 001	<b>Work Order #....:</b>	LRL8H1AC	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	12/22/09	<b>Date Received....:</b>	12/24/09	<b>Instrument ID....:</b>	3D5
<b>Prep Date....:</b>	12/28/09	<b>Analysis Date....:</b>	01/04/10	<b>% Moisture....:</b>	5.7
<b>Prep Batch # ....:</b>	9362386	<b>Dilution Factor....:</b>	0.98	<b>Units.....:</b>	pg/g
<b>Initial Wgt/Vol :</b>	10.19 g	<b>Analyst ID....:</b>	Sonia Ouni		

**Notes:**

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

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

Northgate Environmental Management, Inc.

Client Sample ID: SA196-1BR

Trace Level Organic Compounds

Lot-Sample #...: G9L240493-001    Work Order #...: LRL8H1AC    Matrix.....: SOLID  
 Date Sampled...: 12/22/09    Date Received...: 12/24/09  
 Prep Date.....: 12/28/09    Analysis Date...: 01/04/10  
 Prep Batch #...: 9362386  
 Dilution Factor: 0.98  
 % Moisture.....: 5.7

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	16	0.52	pg/g	SW846 8290
1,2,3,7,8-PeCDD	42	2.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	23	2.6	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	52	2.6	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	47	2.6	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	230 B	2.6	pg/g	SW846 8290
OCDD	320 B	5.2	pg/g	SW846 8290
2,3,7,8-TCDF	390 CON,G	0.70	pg/g	SW846 8290
1,2,3,7,8-PeCDF	680	2.6	pg/g	SW846 8290
2,3,4,7,8-PeCDF	350	2.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	1400 E,B	2.6	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	880 B	2.6	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	240	2.6	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	130	2.6	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	3400 E,B	2.6	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	1600 E,B	2.6	pg/g	SW846 8290
OCDF	11000 E,B	5.2	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	59	(40 - 135)
13C-1,2,3,7,8-PeCDD	58	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	66	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	63	(40 - 135)
13C-OCDD	64	(40 - 135)
13C-2,3,7,8-TCDF	64	(40 - 135)
13C-1,2,3,7,8-PeCDF	57	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	60	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	62	(40 - 135)

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CON Confirmation analysis.

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

E Estimated result. Result concentration exceeds the calibration range.

Northgate Environmental Management, Inc.

Sample ID: SA196-1.5BR

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9L240493 - 002  
 Date Sampled....: 12/22/09  
 Prep Date....: 12/28/09  
 Prep Batch # ....: 9362386  
 Initial Wgt/Vol : 10.03 g

Work Order #....: LRL8V1AC  
 Date Received....: 12/24/09  
 Analysis Date....: 01/04/10  
 Dilution Factor....: 0.99  
 Analyst ID....: Sonia Ouni

Matrix....: SOLID  
 Instrument ID....: 3D5  
 % Moisture....: 6.9  
 Units.....: pg/g

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	0.68		0.54	1.0	0.68
1,2,3,7,8-PeCDD	0.97	J Q	2.7	1.0	0.97
1,2,3,4,7,8-HxCDD	1.6	J	2.7	0.1	0.16
1,2,3,6,7,8-HxCDD	3.3	Q	2.7	0.1	0.33
1,2,3,7,8,9-HxCDD	2.4	Q J	2.7	0.1	0.24
1,2,3,4,6,7,8-HpCDD	10	B	2.7	0.01	0.10
OCDD	14	B	5.4	0.0003	0.0042
2,3,7,8-TCDF	14	CON G	1.1	0.1	1.4
1,2,3,7,8-PeCDF	28		2.7	0.03	0.84
2,3,4,7,8-PeCDF	15		2.7	0.3	4.5
1,2,3,4,7,8-HxCDF	67	B	2.7	0.1	6.7
1,2,3,6,7,8-HxCDF	44	B	2.7	0.1	4.4
2,3,4,6,7,8-HxCDF	10		2.7	0.1	1.0
1,2,3,7,8,9-HxCDF	7.9		2.7	0.1	0.79
1,2,3,4,6,7,8-HpCDF	160	B	2.7	0.01	1.6
1,2,3,4,7,8,9-HpCDF	79	B	2.7	0.01	0.79
OCDF	550	B	5.4	0.0003	0.16

Total TEQ Concentration

25

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	47	40 - 135
13C-1,2,3,7,8-PeCDD	45	40 - 135
13C-1,2,3,6,7,8-HxCDD	48	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	42	40 - 135
13C-OCDD	26 *	40 - 135
13C-2,3,7,8-TCDF	54	40 - 135
13C-1,2,3,7,8-PeCDF	44	40 - 135
13C-1,2,3,4,7,8-HxCDF	43	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	37 *	40 - 135

**QUALIFIERS**

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA196-1.5BR

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9L240493 - 002  
Date Sampled....: 12/22/09  
Prep Date....: 12/28/09  
Prep Batch # ....: 9362386  
Initial Wgt/Vol : 10.03 g

Work Order #....: LRL8V1AC  
Date Received....: 12/24/09  
Analysis Date....: 01/04/10  
Dilution Factor....: 0.99  
Analyst ID....: Sonia Ouni

Matrix....: SOLID  
Instrument ID....: 3D5  
% Moisture....: 6.9  
Units.....: pg/g

Notes:

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

- \* Surrogate recovery is outside stated control limits.
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Client Sample ID: SA196-1.5BR

Trace Level Organic Compounds

Lot-Sample #...: G9L240493-002    Work Order #...: LRL8V1AC    Matrix.....: SOLID  
 Date Sampled...: 12/22/09    Date Received...: 12/24/09  
 Prep Date.....: 12/28/09    Analysis Date...: 01/04/10  
 Prep Batch #...: 9362386  
 Dilution Factor: 0.99  
 % Moisture.....: 6.9

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	0.68	0.54	pg/g	SW846 8290
1,2,3,7,8-PeCDD	0.97 J,Q	2.7	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	1.6 J	2.7	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	3.3 Q	2.7	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	2.4 Q,J	2.7	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	10 B	2.7	pg/g	SW846 8290
OCDD	14 B	5.4	pg/g	SW846 8290
2,3,7,8-TCDF	14 CON,G	1.1	pg/g	SW846 8290
1,2,3,7,8-PeCDF	28	2.7	pg/g	SW846 8290
2,3,4,7,8-PeCDF	15	2.7	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	67 B	2.7	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	44 B	2.7	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	10	2.7	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	7.9	2.7	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	160 B	2.7	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	79 B	2.7	pg/g	SW846 8290
OCDF	550 B	5.4	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	47	(40 - 135)
13C-1,2,3,7,8-PeCDD	45	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	48	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	42	(40 - 135)
13C-OCDD	26 *	(40 - 135)
13C-2,3,7,8-TCDF	54	(40 - 135)
13C-1,2,3,7,8-PeCDF	44	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	43	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	37 *	(40 - 135)

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

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

Q Estimated maximum possible concentration (EMPC).

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CON Confirmation analysis.

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

\* Surrogate recovery is outside stated control limits.

# QC DATA ASSOCIATION SUMMARY

G9L240493

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	SOLID	SW846 8290		9362386	9362207
	SOLID	ASTM D 2216-90		9363214	
002	SOLID	SW846 8290		9362386	9362207
	SOLID	ASTM D 2216-90		9363214	
003	WATER	SW846 8290		0004196	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9L240493      Work Order #...: LRNEV1AA      Matrix.....: SOLID  
 MB Lot-Sample #: G9L280000-386  
 Prep Date.....: 12/28/09  
 Analysis Date..: 01/04/10      Prep Batch #...: 9362386  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.50	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	2.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	2.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	2.5	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	0.66 J,Q	2.5	pg/g	SW846 8290
OCDD	0.86 J,Q	5.0	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.50	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.5	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	0.96 J	2.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	0.49 J,Q	2.5	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.5	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	1.8 J	2.5	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	0.67 J,Q	2.5	pg/g	SW846 8290
OCDF	4.3 J	5.0	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	44	(40 - 135)
13C-1,2,3,7,8-PeCDD	44	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	60	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	46	(40 - 135)
13C-OCDD	43	(40 - 135)
13C-2,3,7,8-TCDF	39 *	(40 - 135)
13C-1,2,3,7,8-PeCDF	41	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	48	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	47	(40 - 135)

NOTE (S) :

- Calculations are performed before rounding to avoid round-off errors in calculated results.
- J Estimated result. Result is less than the reporting limit.
- Q Estimated maximum possible concentration (EMPC).
- \* Surrogate recovery is outside stated control limits.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L240493      Work Order #...: LRNEV1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9L280000-386  
 Prep Date.....: 12/28/09      Analysis Date...: 01/04/10  
 Prep Batch #...: 9362386  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
<b>2,3,7,8-TCDD</b>	<b>94</b>	<b>(77 - 130)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8-PeCDD</b>	<b>99</b>	<b>(79 - 134)</b>	<b>SW846 8290</b>
<b>1,2,3,4,7,8-HxCDD</b>	<b>88</b>	<b>(65 - 144)</b>	<b>SW846 8290</b>
<b>1,2,3,6,7,8-HxCDD</b>	<b>96</b>	<b>(73 - 147)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8,9-HxCDD</b>	<b>83</b>	<b>(80 - 143)</b>	<b>SW846 8290</b>
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>96</b>	<b>(86 - 134)</b>	<b>SW846 8290</b>
<b>OCDD</b>	<b>97</b>	<b>(80 - 137)</b>	<b>SW846 8290</b>
<b>2,3,7,8-TCDF</b>	<b>91</b>	<b>(79 - 137)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8-PeCDF</b>	<b>97</b>	<b>(81 - 134)</b>	<b>SW846 8290</b>
<b>2,3,4,7,8-PeCDF</b>	<b>98</b>	<b>(76 - 132)</b>	<b>SW846 8290</b>
<b>1,2,3,4,7,8-HxCDF</b>	<b>101</b>	<b>(72 - 140)</b>	<b>SW846 8290</b>
<b>1,2,3,6,7,8-HxCDF</b>	<b>105</b>	<b>(63 - 152)</b>	<b>SW846 8290</b>
<b>2,3,4,6,7,8-HxCDF</b>	<b>102</b>	<b>(72 - 151)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8,9-HxCDF</b>	<b>90</b>	<b>(72 - 152)</b>	<b>SW846 8290</b>
<b>1,2,3,4,6,7,8-HpCDF</b>	<b>102</b>	<b>(81 - 137)</b>	<b>SW846 8290</b>
<b>1,2,3,4,7,8,9-HpCDF</b>	<b>95</b>	<b>(79 - 139)</b>	<b>SW846 8290</b>
<b>OCDF</b>	<b>90</b>	<b>(75 - 141)</b>	<b>SW846 8290</b>

<u>INTERNAL STANDARD</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	55	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	67	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	59	(40 - 135)
13C-OCDD	62	(40 - 135)
13C-2,3,7,8-TCDF	48	(40 - 135)
13C-1,2,3,7,8-PeCDF	51	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	54	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	54	(40 - 135)

**NOTE (S) :**

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

Bold print denotes control parameters



**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L240493      Work Order #...: LRNEV1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9L280000-386  
 Prep Date.....: 12/28/09      Analysis Date...: 01/04/10  
 Prep Batch #...: 9362386  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	18.8	pg/g	94	SW846 8290
1,2,3,7,8-PeCDD	100	98.7	pg/g	99	SW846 8290
1,2,3,4,7,8-HxCDD	100	87.6	pg/g	88	SW846 8290
1,2,3,6,7,8-HxCDD	100	96.4	pg/g	96	SW846 8290
1,2,3,7,8,9-HxCDD	100	83.1	pg/g	83	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	95.6	pg/g	96	SW846 8290
OCDD	200	195	pg/g	97	SW846 8290
2,3,7,8-TCDF	20.0	18.2	pg/g	91	SW846 8290
1,2,3,7,8-PeCDF	100	97.0	pg/g	97	SW846 8290
2,3,4,7,8-PeCDF	100	97.8	pg/g	98	SW846 8290
1,2,3,4,7,8-HxCDF	100	101	pg/g	101	SW846 8290
1,2,3,6,7,8-HxCDF	100	105	pg/g	105	SW846 8290
2,3,4,6,7,8-HxCDF	100	102	pg/g	102	SW846 8290
1,2,3,7,8,9-HxCDF	100	90.0	pg/g	90	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	102	pg/g	102	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	94.5	pg/g	95	SW846 8290
OCDF	200	180	pg/g	90	SW846 8290

<u>INTERNAL STANDARD</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	55	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	67	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	59	(40 - 135)
13C-OCDD	62	(40 - 135)
13C-2,3,7,8-TCDF	48	(40 - 135)
13C-1,2,3,7,8-PeCDF	51	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	54	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	54	(40 - 135)

**NOTE (S) :**

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9L240493      Work Order #...: LQ2LE1AF-MS      Matrix.....: SOLID  
 MS Lot-Sample #: G9L120491-008      LQ2LE1AG-MSD  
 Date Sampled...: 12/11/09      Date Received...: 12/12/09  
 Prep Date.....: 12/28/09      Analysis Date...: 01/04/10  
 Prep Batch #...: 9362386  
 Dilution Factor: 0.99      % Moisture.....: 5.9

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
2,3,7,8-TCDD	91	(77 - 130)			SW846 8290
	93	(77 - 130)	1.7	(0-30)	SW846 8290
1,2,3,7,8-PeCDD	102	(79 - 134)			SW846 8290
	103	(79 - 134)	0.48	(0-29)	SW846 8290
1,2,3,4,7,8-HxCDD	105	(65 - 144)			SW846 8290
	90	(65 - 144)	15	(0-36)	SW846 8290
1,2,3,6,7,8-HxCDD	102	(73 - 147)			SW846 8290
	102	(73 - 147)	0.02	(0-36)	SW846 8290
1,2,3,7,8,9-HxCDD	90	(80 - 143)			SW846 8290
	81	(80 - 143)	11	(0-31)	SW846 8290
1,2,3,4,6,7,8-HpCDD	97 B	(86 - 134)			SW846 8290
	96 B	(86 - 134)	0.48	(0-28)	SW846 8290
OCDD	97 B	(80 - 137)			SW846 8290
	96 B	(80 - 137)	1.4	(0-32)	SW846 8290
2,3,7,8-TCDF	94 CON	(79 - 137)			SW846 8290
	95	(79 - 137)	1.1	(0-30)	SW846 8290
1,2,3,7,8-PeCDF	95	(81 - 134)			SW846 8290
	93	(81 - 134)	1.5	(0-27)	SW846 8290
2,3,4,7,8-PeCDF	99	(76 - 132)			SW846 8290
	95	(76 - 132)	3.8	(0-31)	SW846 8290
1,2,3,4,7,8-HxCDF	93 B	(72 - 140)			SW846 8290
	95 B	(72 - 140)	2.3	(0-32)	SW846 8290
1,2,3,6,7,8-HxCDF	97 B	(63 - 152)			SW846 8290
	100 B	(63 - 152)	3.7	(0-38)	SW846 8290
2,3,4,6,7,8-HxCDF	96	(72 - 151)			SW846 8290
	97	(72 - 151)	1.5	(0-35)	SW846 8290
1,2,3,7,8,9-HxCDF	90	(72 - 152)			SW846 8290
	86	(72 - 152)	3.9	(0-36)	SW846 8290
1,2,3,4,6,7,8-HpCDF	94 B	(81 - 137)			SW846 8290
	100 B	(81 - 137)	5.3	(0-33)	SW846 8290
1,2,3,4,7,8,9-HpCDF	113 B	(79 - 139)			SW846 8290
	111 B	(79 - 139)	2.1	(0-35)	SW846 8290
OCDF	106 B	(75 - 141)			SW846 8290
	108 B	(75 - 141)	1.7	(0-45)	SW846 8290

(Continued on next page)

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L240493      Work Order #...: LQ2LE1AF-MS      Matrix.....: SOLID  
 MS Lot-Sample #: G9L120491-008      LQ2LE1AG-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	48	(40 - 135)
	56	(40 - 135)
13C-1,2,3,7,8-PeCDD	46	(40 - 135)
	53	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	44	(40 - 135)
	61	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	30 *	(40 - 135)
	38 *	(40 - 135)
13C-OCDD	20 *	(40 - 135)
	26 *	(40 - 135)
13C-2,3,7,8-TCDF	47	(40 - 135)
	57	(40 - 135)
13C-1,2,3,7,8-PeCDF	44	(40 - 135)
	52	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	43	(40 - 135)
	53	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	29 *	(40 - 135)
	37 *	(40 - 135)

**NOTE (S) :**

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Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters  
 Results and reporting limits have been adjusted for dry weight.  
 B Method blank contamination. The associated method blank contains the target analyte at a reportable level.  
 \* Surrogate recovery is outside stated control limits.  
 CON Confirmation analysis.

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9L240493      Work Order #...: LQ2LE1AF-MS      Matrix.....: SOLID  
 MS Lot-Sample #: G9L120491-008      LQ2LE1AG-MSD  
 Date Sampled...: 12/11/09      Date Received...: 12/12/09  
 Prep Date.....: 12/28/09      Analysis Date...: 01/04/10  
 Prep Batch #...: 9362386  
 Dilution Factor: 0.99      % Moisture.....: 5.9

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,3,7,8-TCDD	ND	21.2	19.4	pg/g	91		SW846 8290
	ND	21.2	19.7	pg/g	93	1.7	SW846 8290
1,2,3,7,8-PeCDD	ND	106	109	pg/g	102		SW846 8290
	ND	106	109	pg/g	103	0.48	SW846 8290
1,2,3,4,7,8-HxCDD	ND	106	112	pg/g	105		SW846 8290
	ND	106	96.0	pg/g	90	15	SW846 8290
1,2,3,6,7,8-HxCDD	0.35	106	108	pg/g	102		SW846 8290
	0.35	106	108	pg/g	102	0.02	SW846 8290
1,2,3,7,8,9-HxCDD	0.30	106	96.4	pg/g	90		SW846 8290
	0.30	106	86.7	pg/g	81	11	SW846 8290
1,2,3,4,6,7,8-HpCDD	0.79	106	104	pg/g	97 B		SW846 8290
	0.79	106	103	pg/g	96 B	0.48	SW846 8290
OCDD	2.5	212	209	pg/g	97 B		SW846 8290
	2.5	212	206	pg/g	96 B	1.4	SW846 8290
2,3,7,8-TCDF	1.7	21.2	21.8	pg/g	94 CON		SW846 8290
	1.7	21.2	22.0	pg/g	95	1.1	SW846 8290
1,2,3,7,8-PeCDF	2.1	106	103	pg/g	95		SW846 8290
	2.1	106	101	pg/g	93	1.5	SW846 8290
2,3,4,7,8-PeCDF	1.0	106	106	pg/g	99		SW846 8290
	1.0	106	102	pg/g	95	3.8	SW846 8290
1,2,3,4,7,8-HxCDF	3.5	106	102	pg/g	93 B		SW846 8290
	3.5	106	105	pg/g	95 B	2.3	SW846 8290
1,2,3,6,7,8-HxCDF	2.9	106	106	pg/g	97 B		SW846 8290
	2.9	106	110	pg/g	100 B	3.7	SW846 8290
2,3,4,6,7,8-HxCDF	0.86	106	103	pg/g	96		SW846 8290
	0.86	106	104	pg/g	97	1.5	SW846 8290
1,2,3,7,8,9-HxCDF	0.50	106	95.6	pg/g	90		SW846 8290
	0.50	106	92.0	pg/g	86	3.9	SW846 8290
1,2,3,4,6,7,8-HpCDF	11	106	111	pg/g	94 B		SW846 8290
	11	106	117	pg/g	100 B	5.3	SW846 8290
1,2,3,4,7,8,9-HpCDF	4.6	106	125	pg/g	113 B		SW846 8290
	4.6	106	122	pg/g	111 B	2.1	SW846 8290
OCDF	31	212	256	pg/g	106 B		SW846 8290
	31	212	261	pg/g	108 B	1.7	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9L240493      Work Order #...: LQ2LE1AF-MS      Matrix.....: SOLID  
 MS Lot-Sample #: G9L120491-008      LQ2LE1AG-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2, 3, 7, 8-TCDD	48 56	(40 - 135) (40 - 135)
13C-1, 2, 3, 7, 8-PeCDD	46 53	(40 - 135) (40 - 135)
13C-1, 2, 3, 6, 7, 8-HxCDD	44 61	(40 - 135) (40 - 135)
13C-1, 2, 3, 4, 6, 7, 8-HpCDD	30 * 38 *	(40 - 135) (40 - 135)
13C-OCDD	20 * 26 *	(40 - 135) (40 - 135)
13C-2, 3, 7, 8-TCDF	47 57	(40 - 135) (40 - 135)
13C-1, 2, 3, 7, 8-PeCDF	44 52	(40 - 135) (40 - 135)
13C-1, 2, 3, 4, 7, 8-HxCDF	43 53	(40 - 135) (40 - 135)
13C-1, 2, 3, 4, 6, 7, 8-HpCDF	29 * 37 *	(40 - 135) (40 - 135)

**NOTE (S) :**

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

\* Surrogate recovery is outside stated control limits.

CON Confirmation analysis.

**ICV/CCV**  
**Run Logs**

## Initial Calibration Checklist Dioxin Methods

ICAL ID 8290, 1613, TO9, 23, 0023A, TETRAS 123109105

Method ID 8290, 1613B, TO9, 23, 0023A Date Scanned \_\_\_\_\_

Column ID DB5 Instrument ID 105

STD ID's ST1231(B,C,D,E,F) STD Solution 09DXN(422, 423, 425, 426, 456)

GC Program OCDD Multiplier Setting 270

Analyzed By A.M. Date Analyzed 12/31/09, ~~1/1/10~~ 1/4/10

Prepared By M.G. Date Prepared 1/4/10

Reviewed By JRB Date Reviewed 1/4/10

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

COMMENTS:

CS2 Retention Times: 13C-1,2,3,4-TCDD 18:40  
13C-1,2,3,7,8,9-HxCDD 32:49

\*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10  
Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10  
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 1558E098D2 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
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-HxCDD	-	-	- %	-	-	-	-	-
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13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38

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





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
37C1-2,3,7,8-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

1.73

177.00

2.11

1.11

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	784060000	1.04 y	34:35	1.41	200.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04 y	35:53	1.27	200.00	n
Total HpCDF	-	- n	-	1.34	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	244993000	1.09 y	35:31	0.68	100.00	n
1,2,3,4,6,7,8-HpCDD	539498000	1.05 y	35:31	1.10	200.00	n
Total HpCDD	-	- n	-	1.10	200.00	n
13C-OCDD	366780000	0.90 y	38:18	0.51	200.00	n
OCDF	1195334000	0.91 y	38:25	1.63	400.00	n
OCDD	901352000	0.90 y	38:18	1.23	400.00	n



Run #5 Filename 31DE09A1D5 S: 6 I: 1  
 Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 07:30:50  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091DS

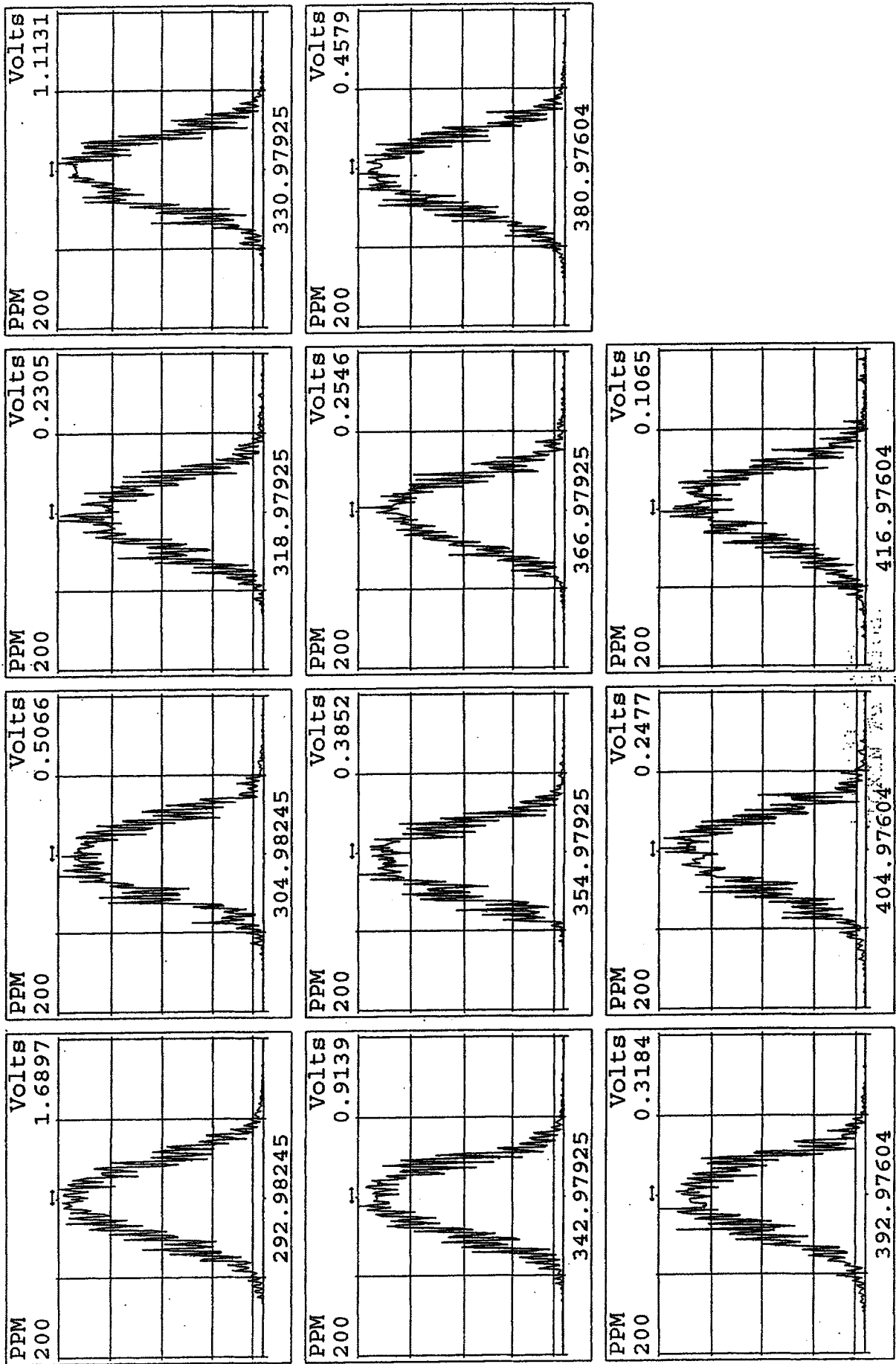
## Comments:

Sample text: ST1231F :CS-5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	223948500	0.79 y	18:39	-	100.00	n
13C-2,3,7,8-TCDF	370833000	0.77 y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76 y	18:06	0.98	200.00	n
Total TCDF	-	- n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80 y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78 y	18:52	1.07	200.00	n
Total TCDD	-	- n	-	1.07	200.00	n
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.74	200.00	n
13C-1,2,3,7,8-PeCDF	283018000	1.63 y	23:30	1.26	100.00	n
1,2,3,7,8-PeCDF	3129820000	1.57 y	23:32	1.11	1000.00	n
2,3,4,7,8-PeCDF	2975790000	1.57 y	24:57	1.05	1000.00	n
Total F2 PeCDF	-	- n	-	1.08	2000.00	n
Total F1 PeCDF	-	- n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	178526400	1.62 y	25:42	0.80	100.00	n
1,2,3,7,8-PeCDD	1892442000	1.58 y	25:44	1.06	1000.00	n
Total PeCDD	-	- n	-	1.06	1000.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51 y	31:25	0.94	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24 y	31:27	1.32	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.45	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.36	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.42	1000.00	n
Total HxCDF	-	- n	-	1.38	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27 y	32:31	0.78	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25 y	32:27	1.11	1000.00	n
1,2,3,6,7,8-HxCDD	2046135000	1.28 y	32:32	1.15	1000.00	n
1,2,3,7,8,9-HxCDD	2448250000	1.27 y	32:51	1.37	1000.00	n
Total HxCDD	-	- n	-	1.21	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	201777500	0.44 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	2821880000	1.05 y	34:35	1.40	1000.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04 y	35:53	1.27	1000.00	n
Total HpCDF	-	- n	-	1.33	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	180867800	1.08 y	35:31	0.79	100.00	n
1,2,3,4,6,7,8-HpCDD	1991700000	1.05 y	35:32	1.10	1000.00	n
Total HpCDD	-	- n	-	1.10	1000.00	n
13C-OCDD	281979000	0.89 y	38:19	0.61	200.00	n
OCDF	4472470000	0.91 y	38:26	1.59	2000.00	n
OCDD	3427190000	0.90 y	38:20	1.22	2000.00	n

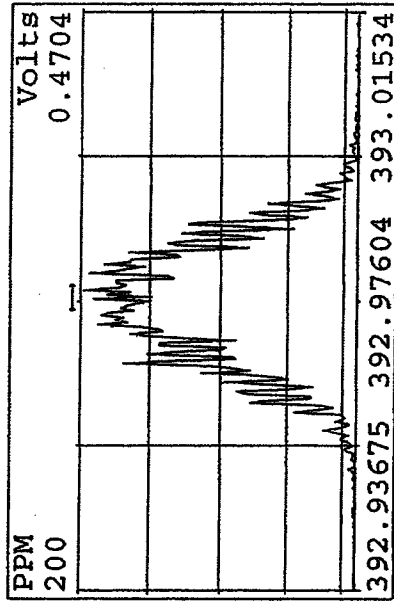
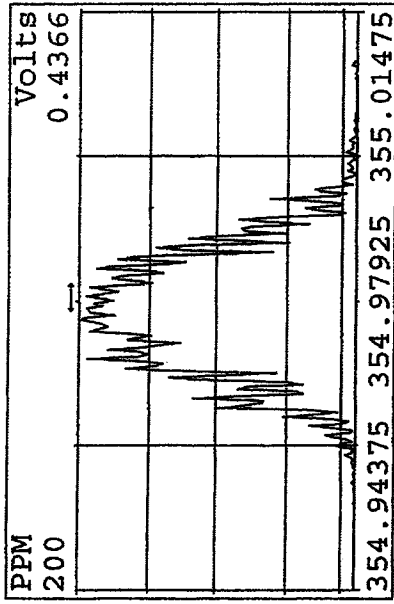
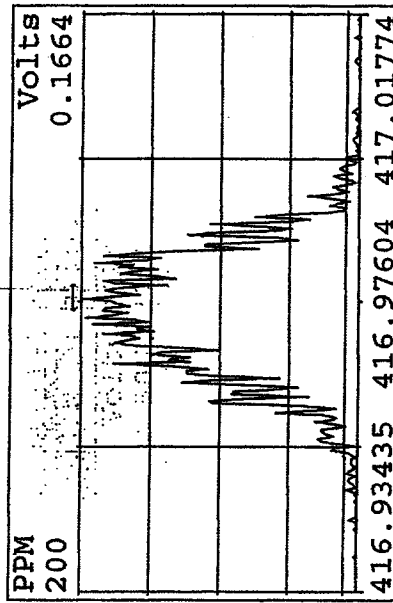
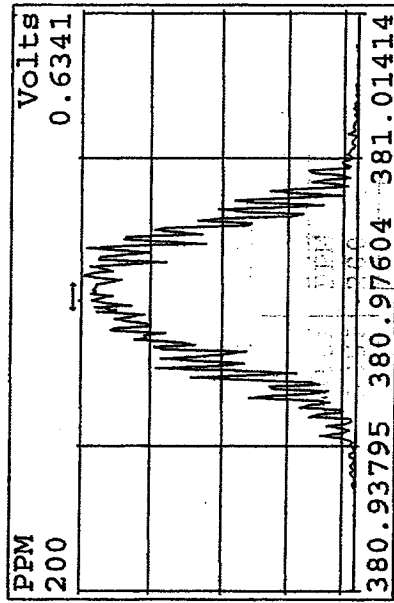
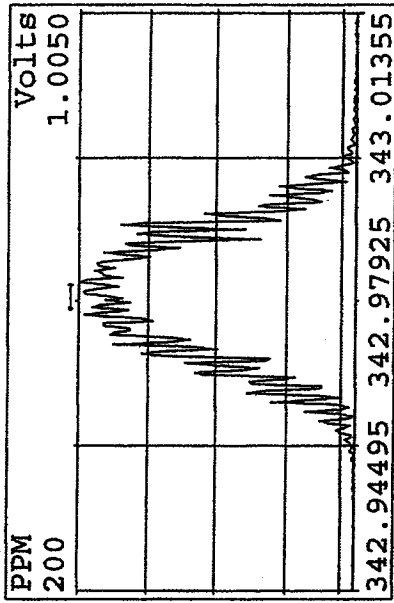
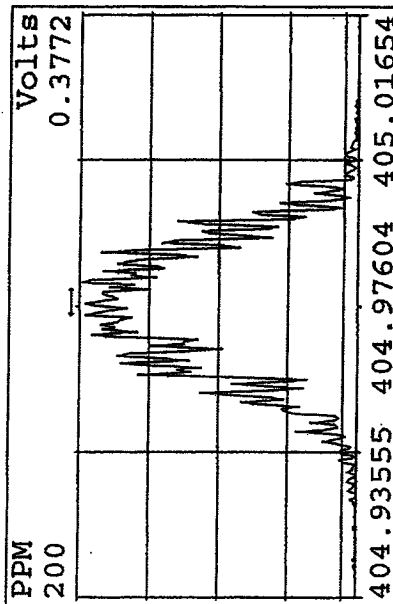
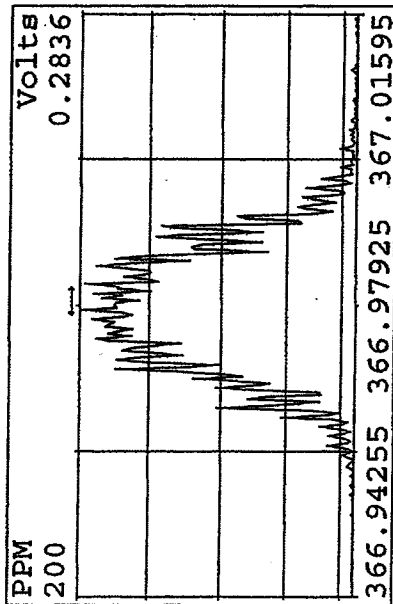
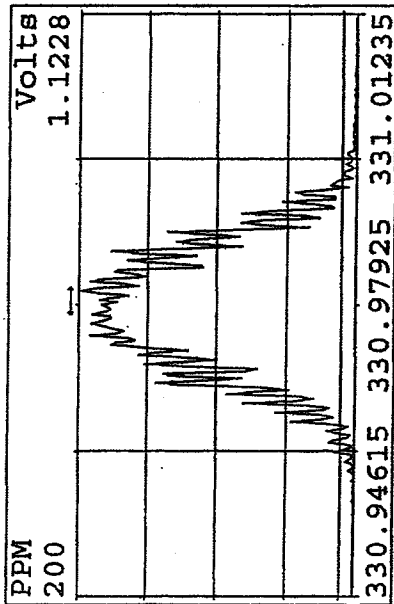
Data file	Smp Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
31DE09A1D5	1	CP1231A		DB-5 CPSM 3732-04		1.000	
31DE09A1D5	2	ST1231B		CS-1 09DXN422		1.000	
31DE09A1D5	3	ST1231C		CS-2 09DXN423		1.000	
31DE09A1D5	4	ST1231D		CS-3 09DXN425		1.000	
31DE09A1D5	5	ST1231E		CS-4 09DXN426		1.000	
31DE09A1D5	6	ST1231F		CS-5 09DXN456		1.000	
31DE09A1D5	7	SB1231C		Solvent Blank C-14		1.000	
31DE09A1D5	8	ST1231G	500	2nd Source 09DXN449	1613B/8290	1.000	
31DE09A1D5	9					1.000	
31DE09A1D5	10					1.000	
31DE09A1D5	11					1.000	
31DE09A1D5	12					1.000	
31DE09A1D5	13					1.000	
31DE09A1D5	14					1.000	
31DE09A1D5	15	AM 12-31-09				1.000	
31DE09A1D5	16					1.000	

Peak Locate Examination:31-DEC-2009:23:19 File:31DE09A1D5  
 Experiment:DIOXIN Function:1 Reference:PFK

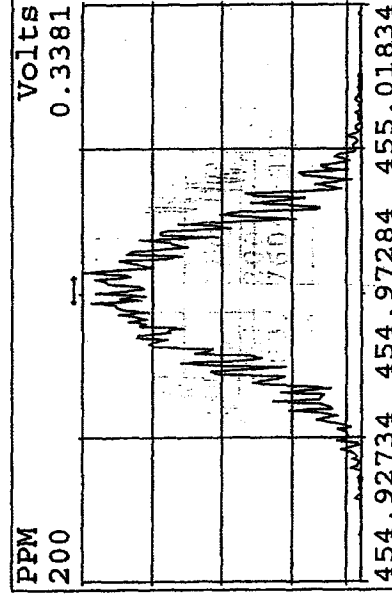
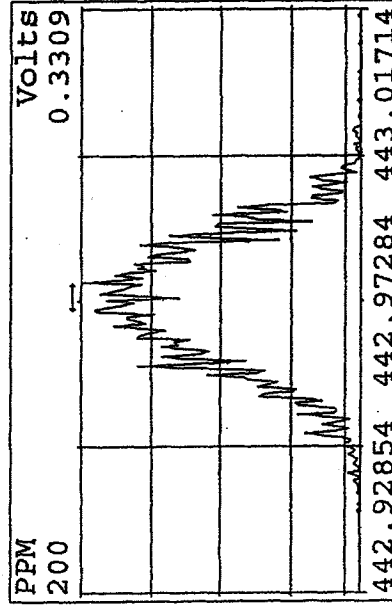
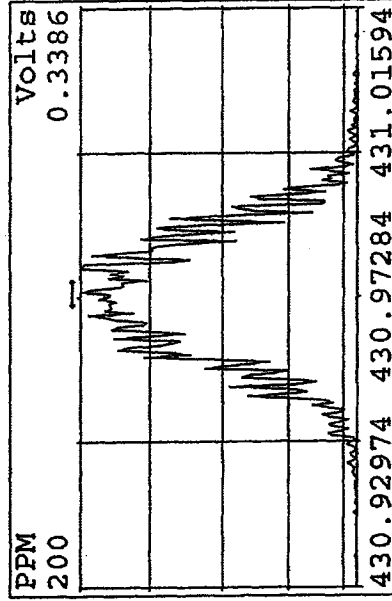
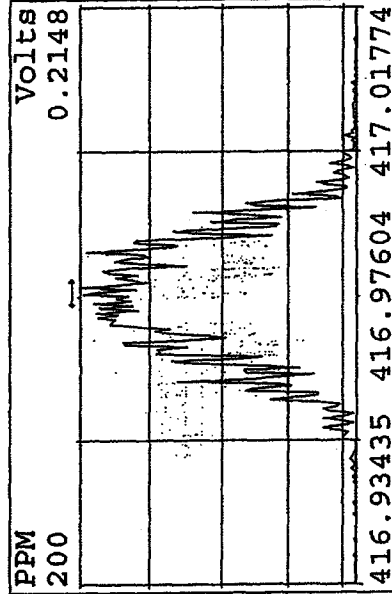
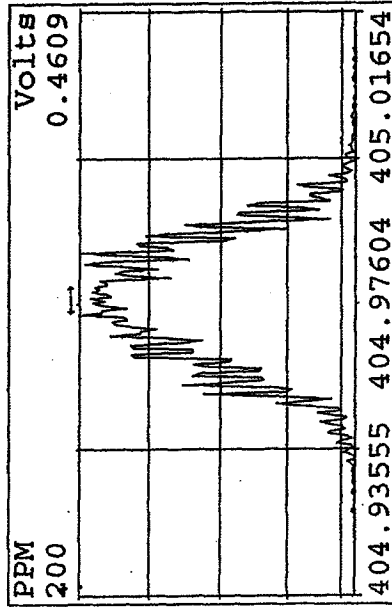
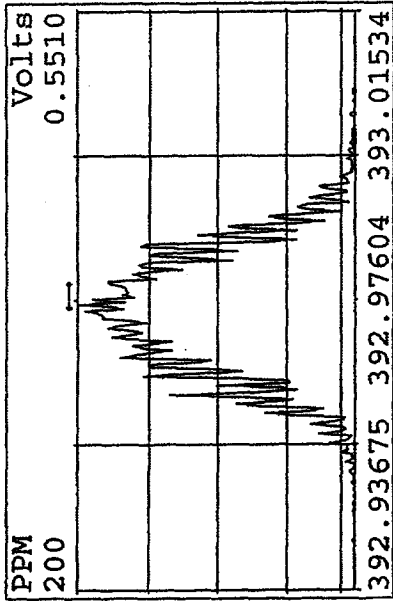
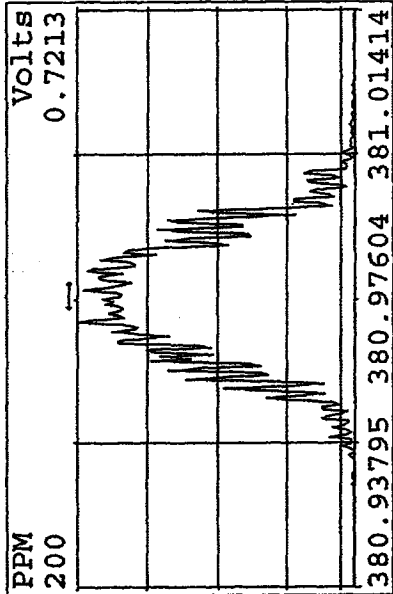
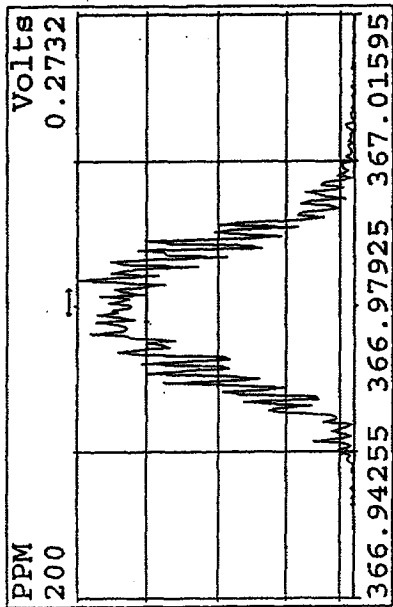


Volts  
 PPM  
 0.5066  
 200

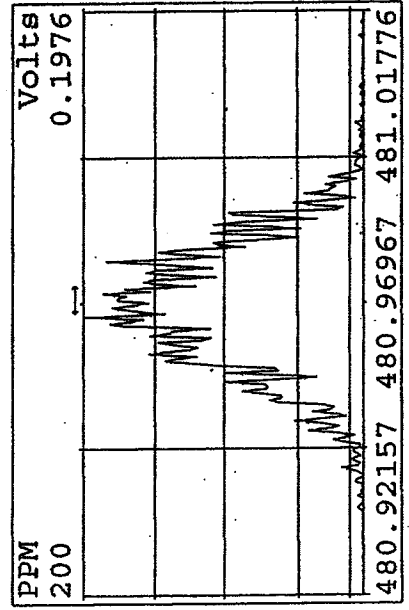
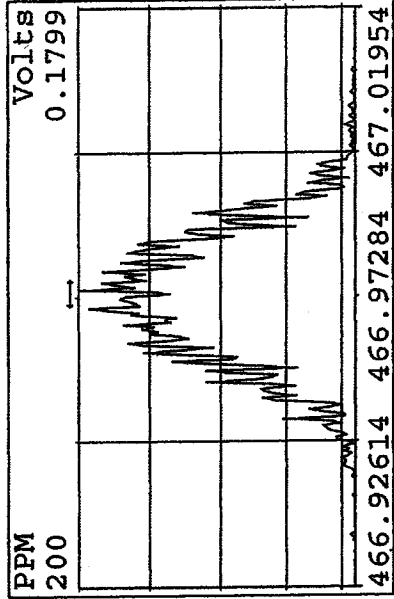
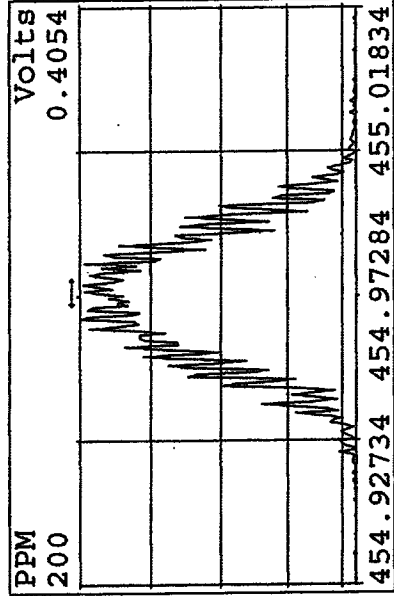
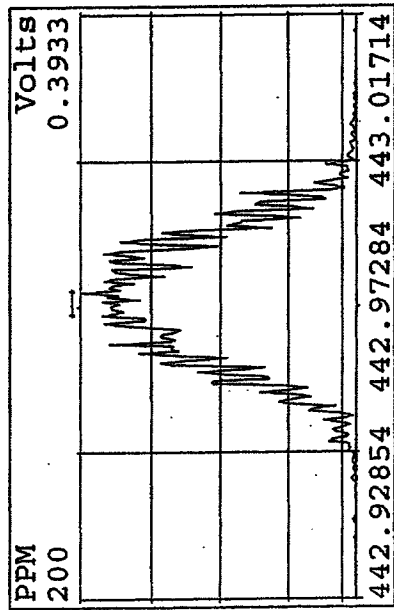
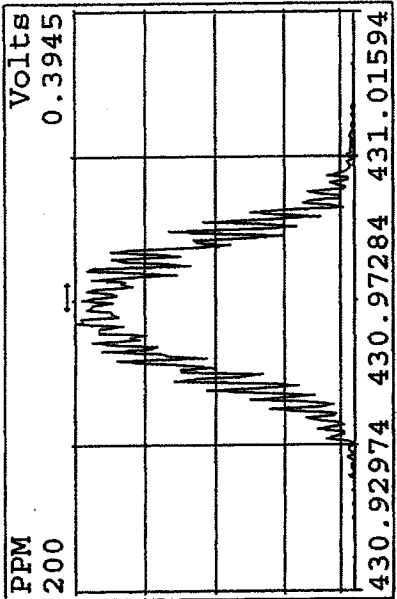
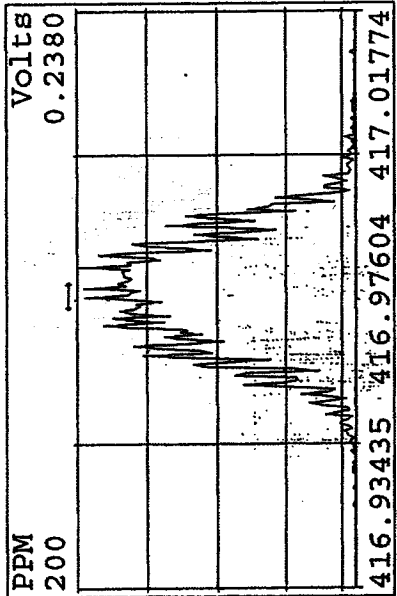
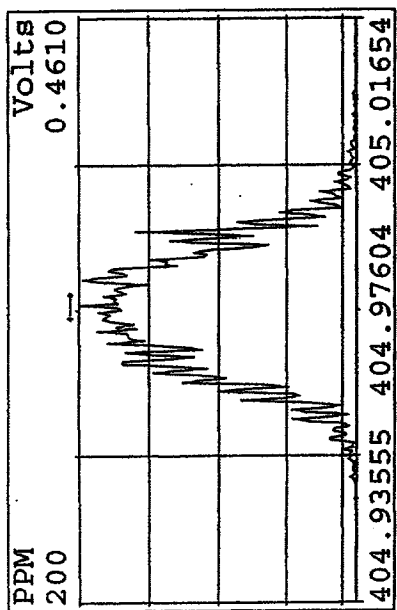
Peak Locate Examination:31-DEC-2009:23:20 File:31DE09A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



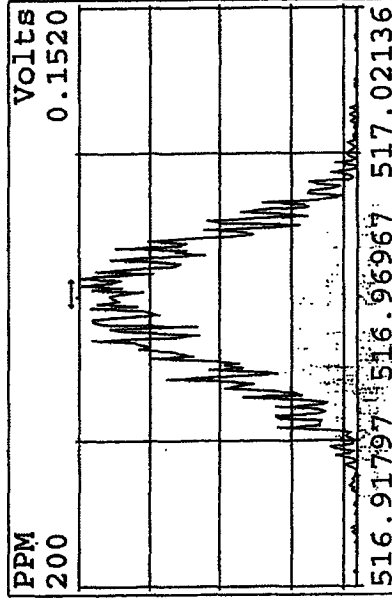
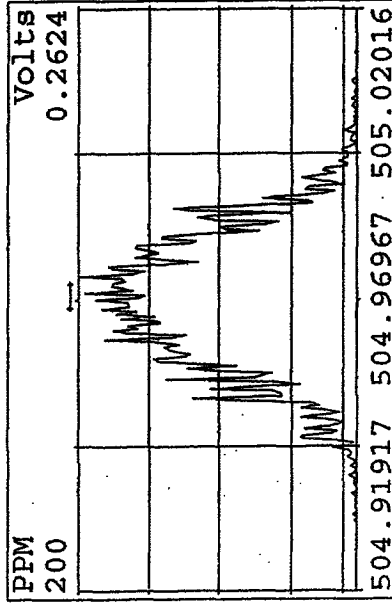
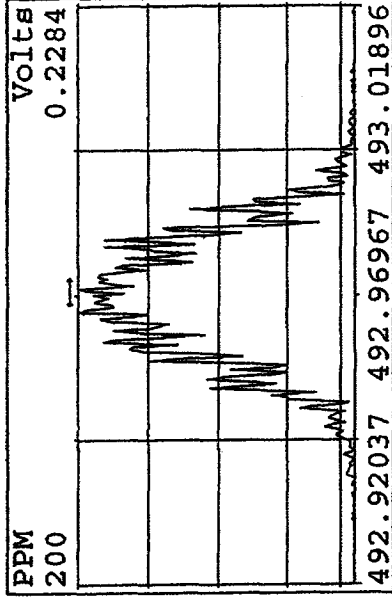
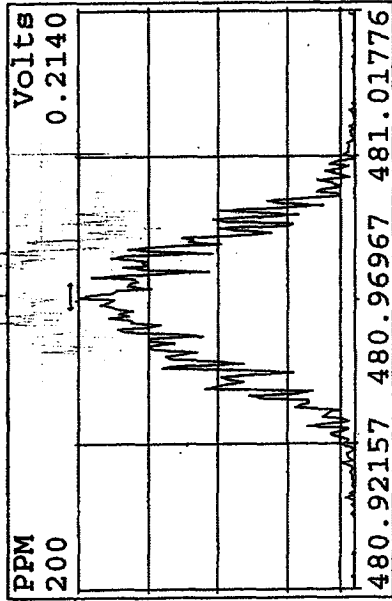
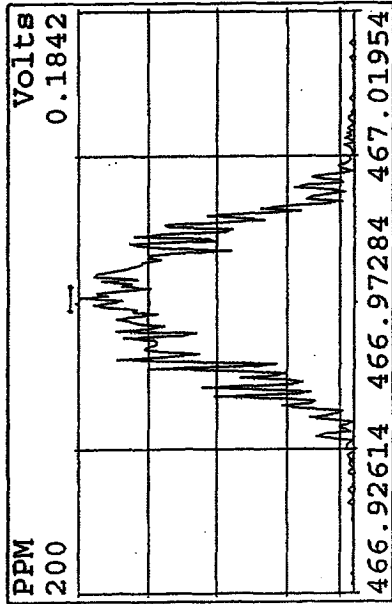
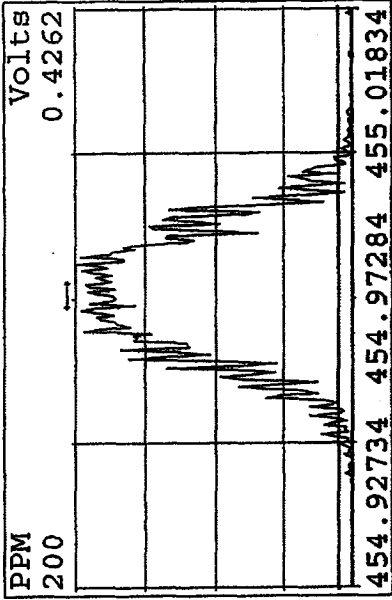
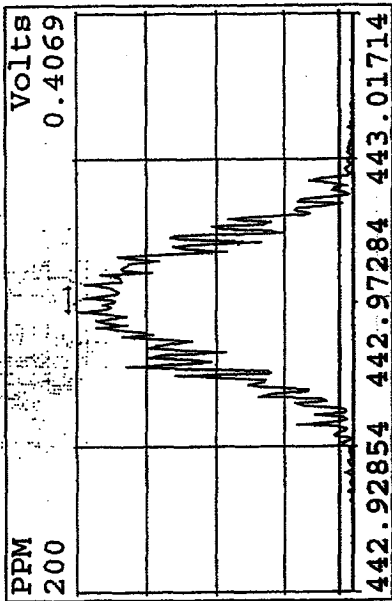
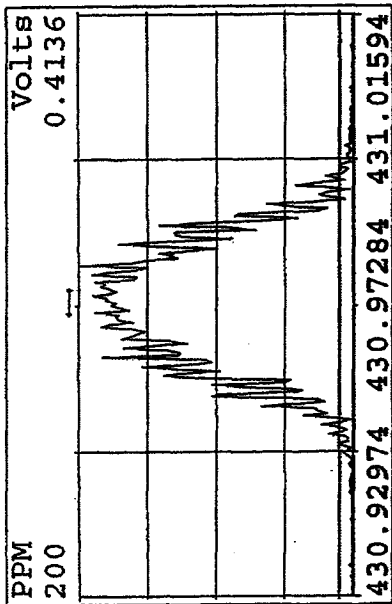
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



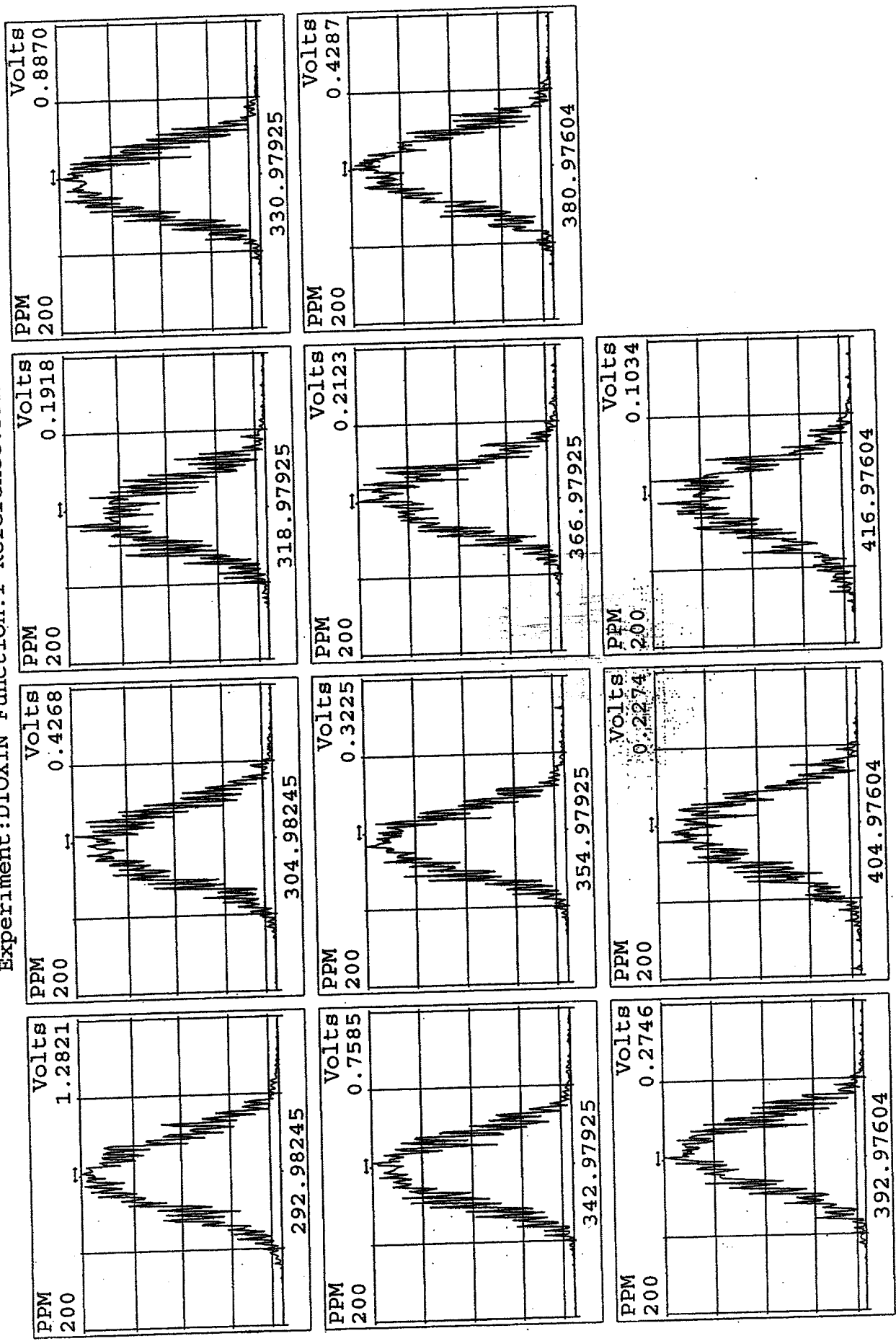
Peak Locate Examination:31-DEC-2009:23:22 File:31DE09A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 31-DEC-2009:23:24 File:31DE09A1D5  
Experiment:DIOXIN Function:5 Reference:PFK

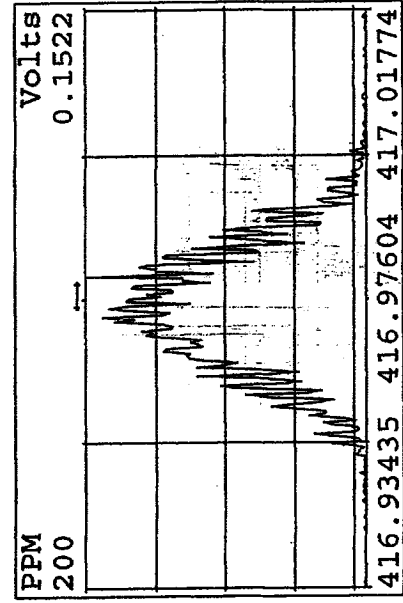
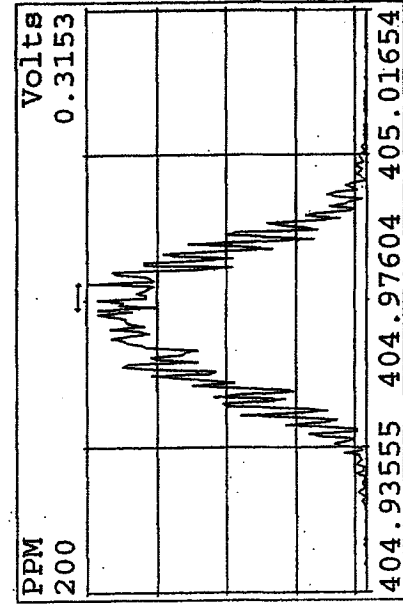
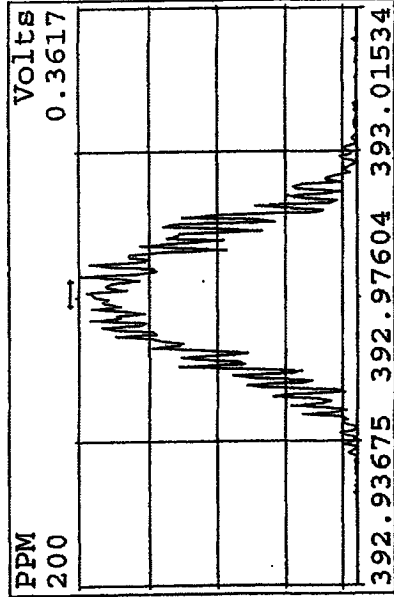
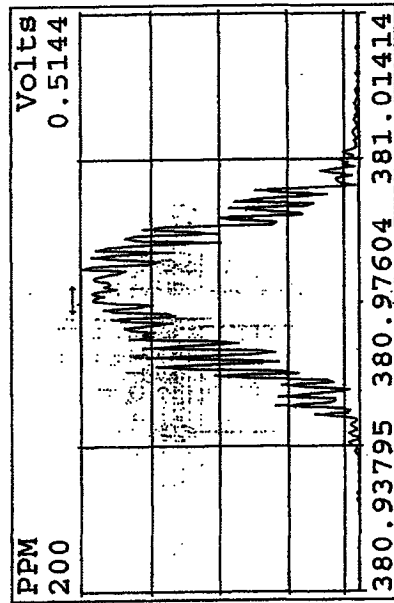
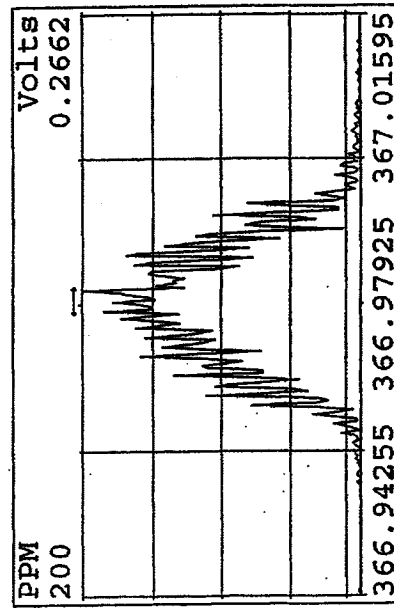
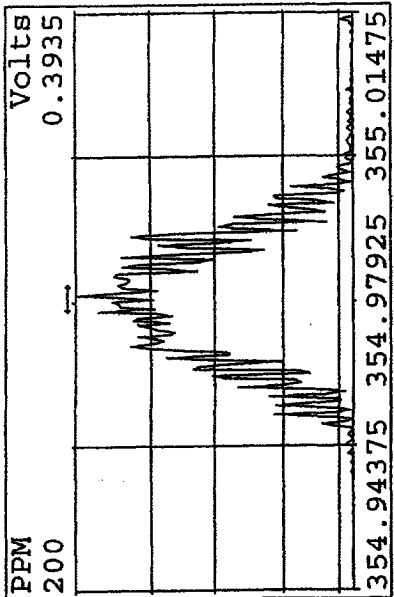
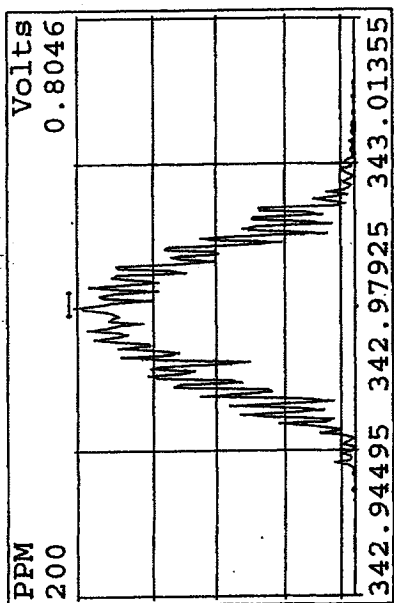
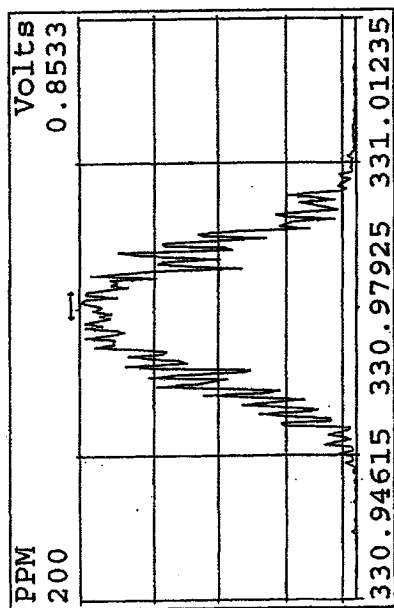


Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5  
 Experiment:DIOXIN Function:1 Reference:PFK

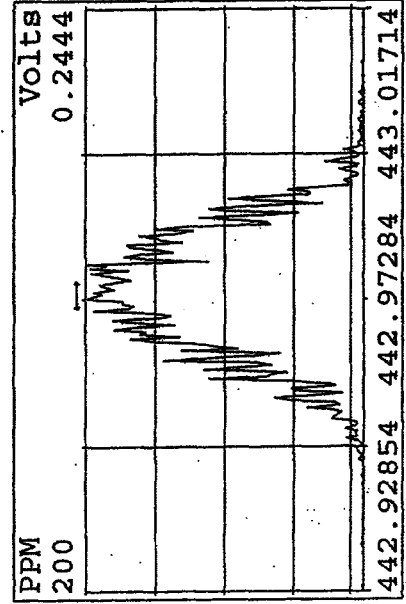
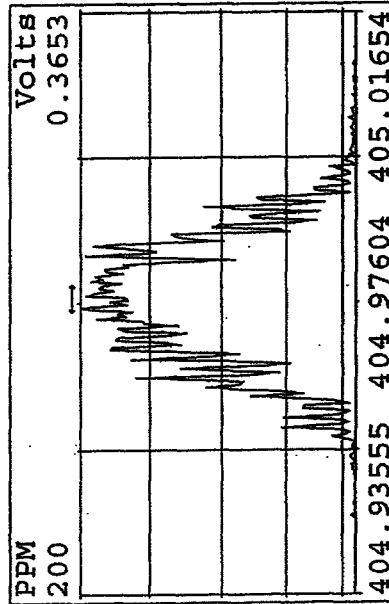
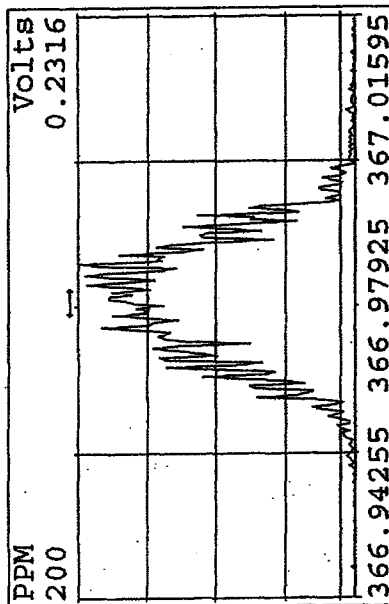
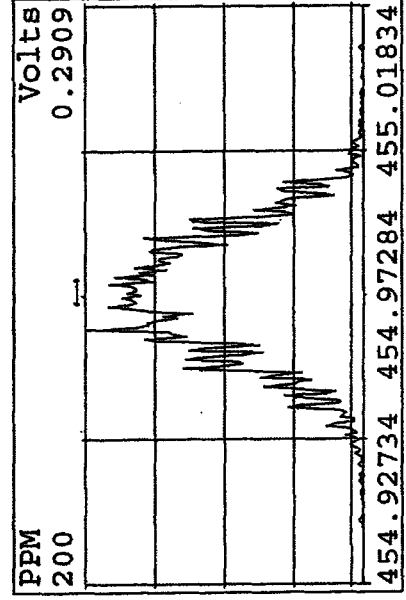
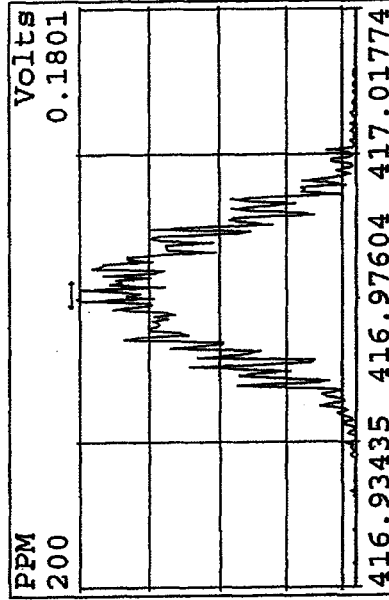
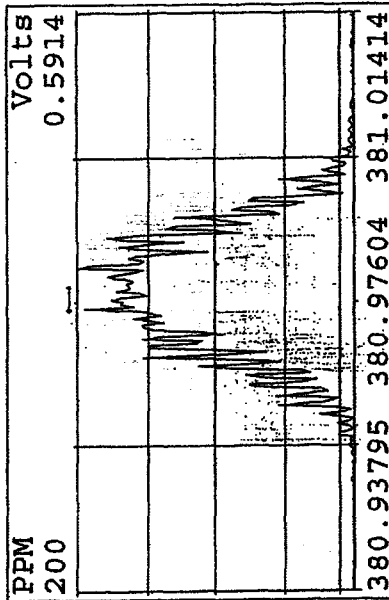
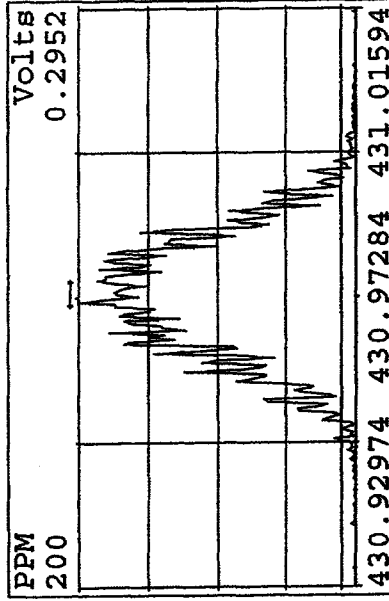
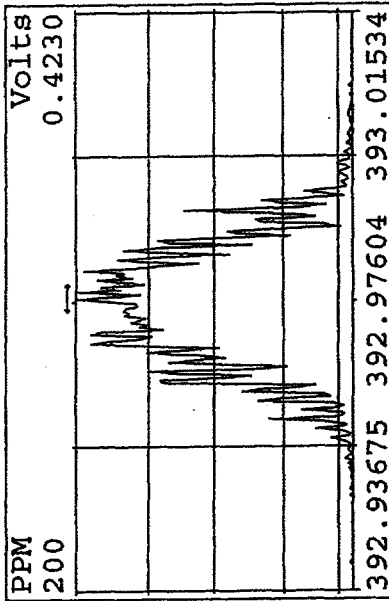




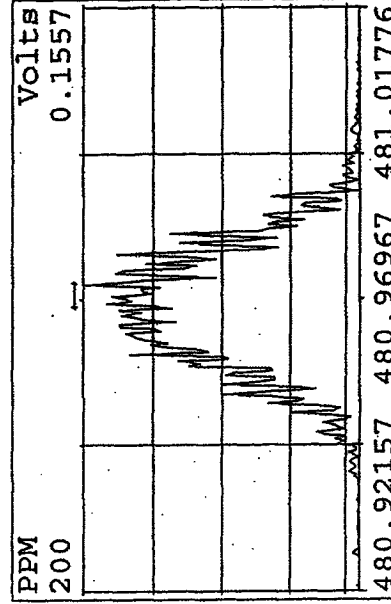
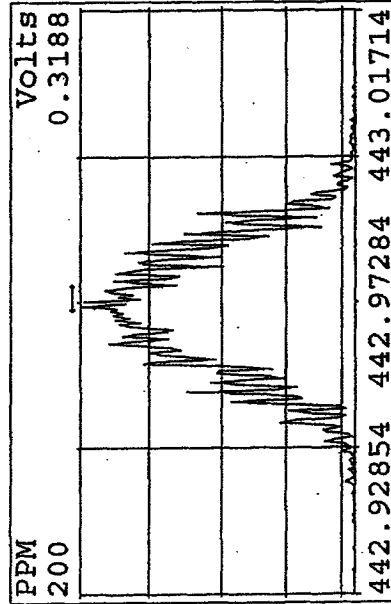
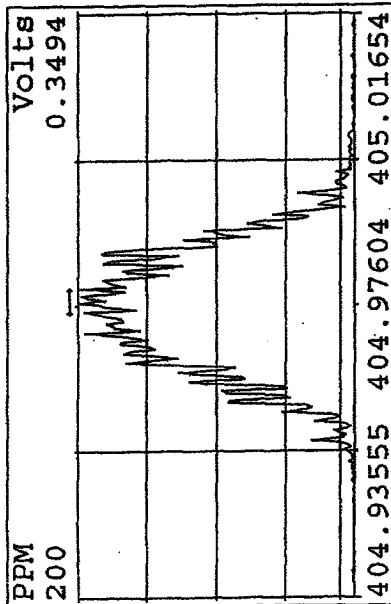
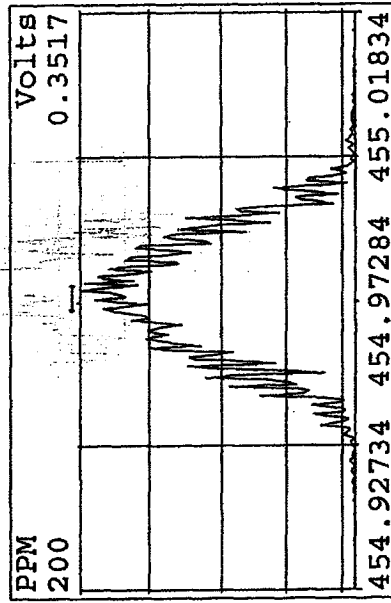
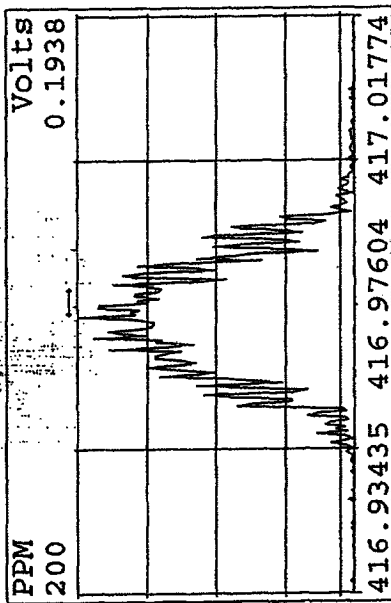
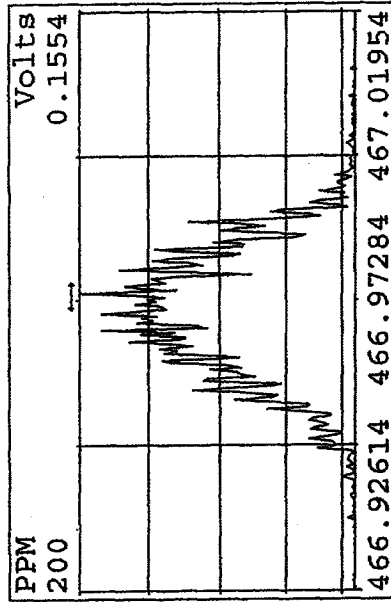
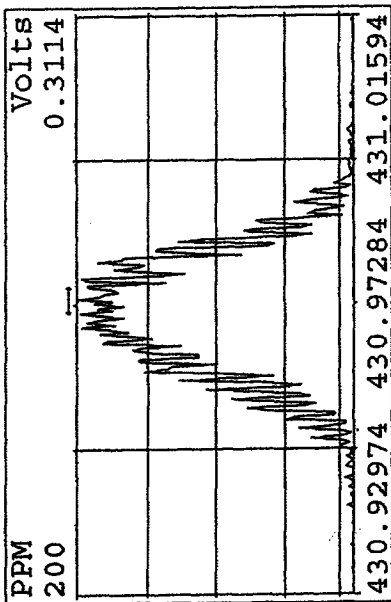
Peak Locate Examination: 1-JAN-2010:07:37 File:RESHECKID5  
 Experiment:DIOXIN Function:2 Reference:PFK



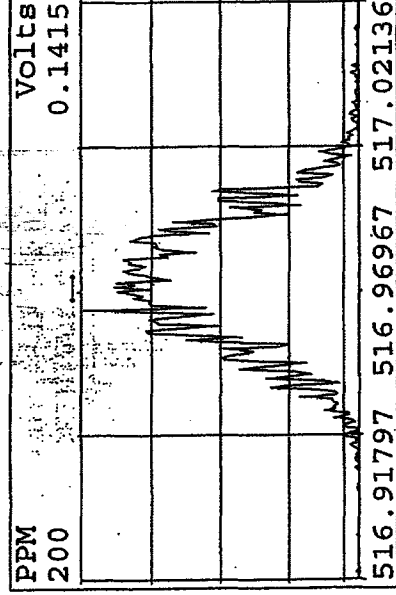
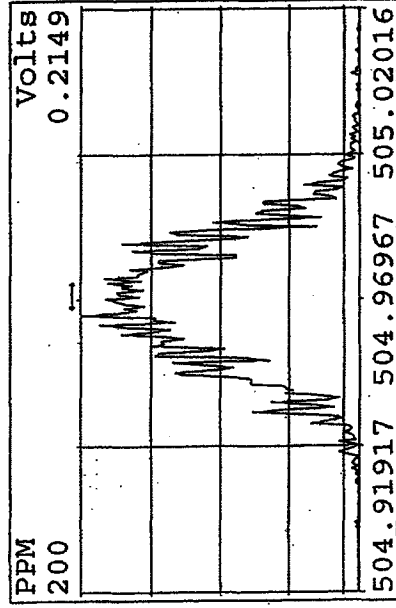
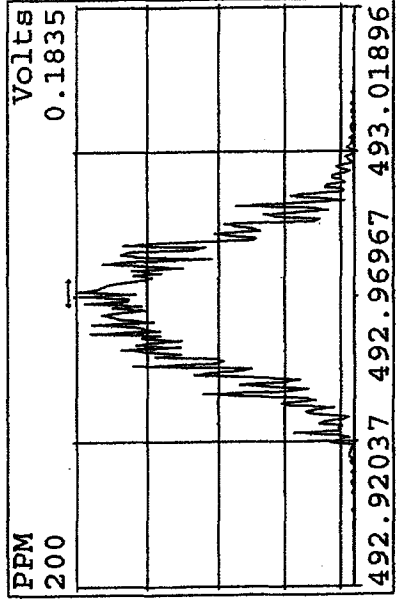
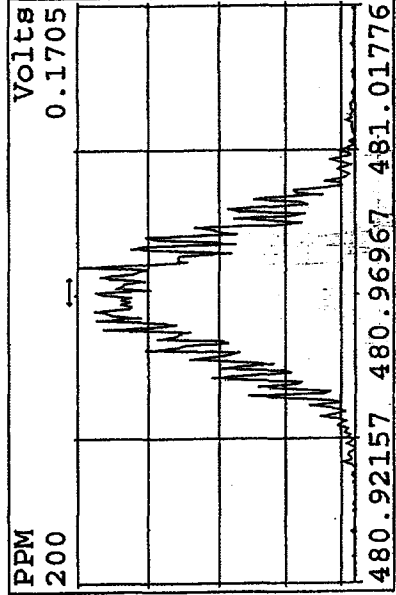
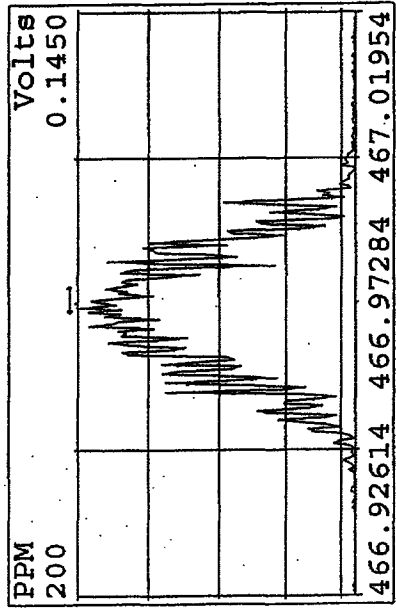
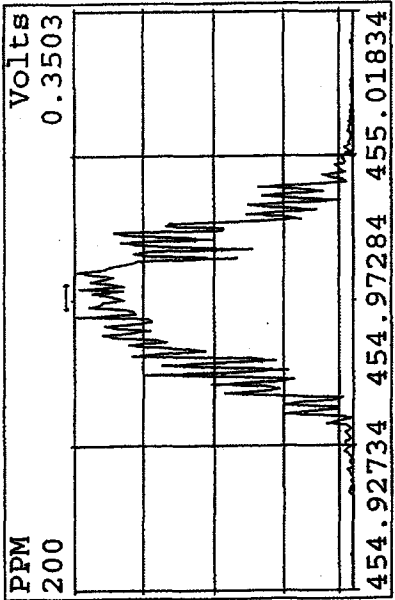
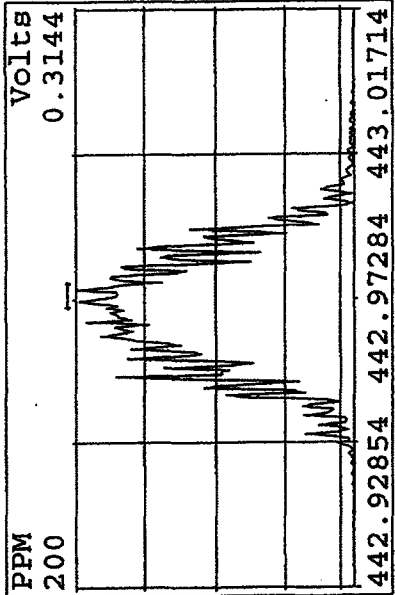
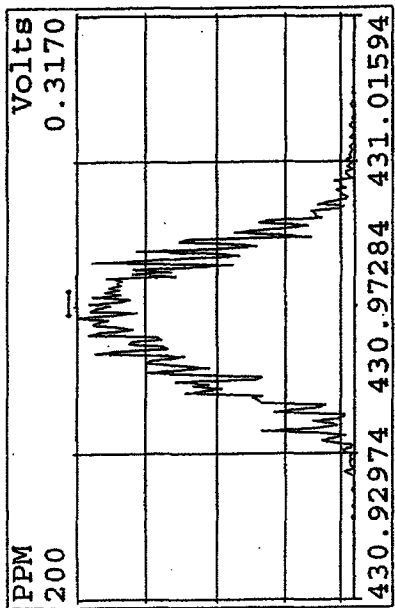
Peak Locate Examination: 1-JAN-2010:07:38 File:RESCHECK1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



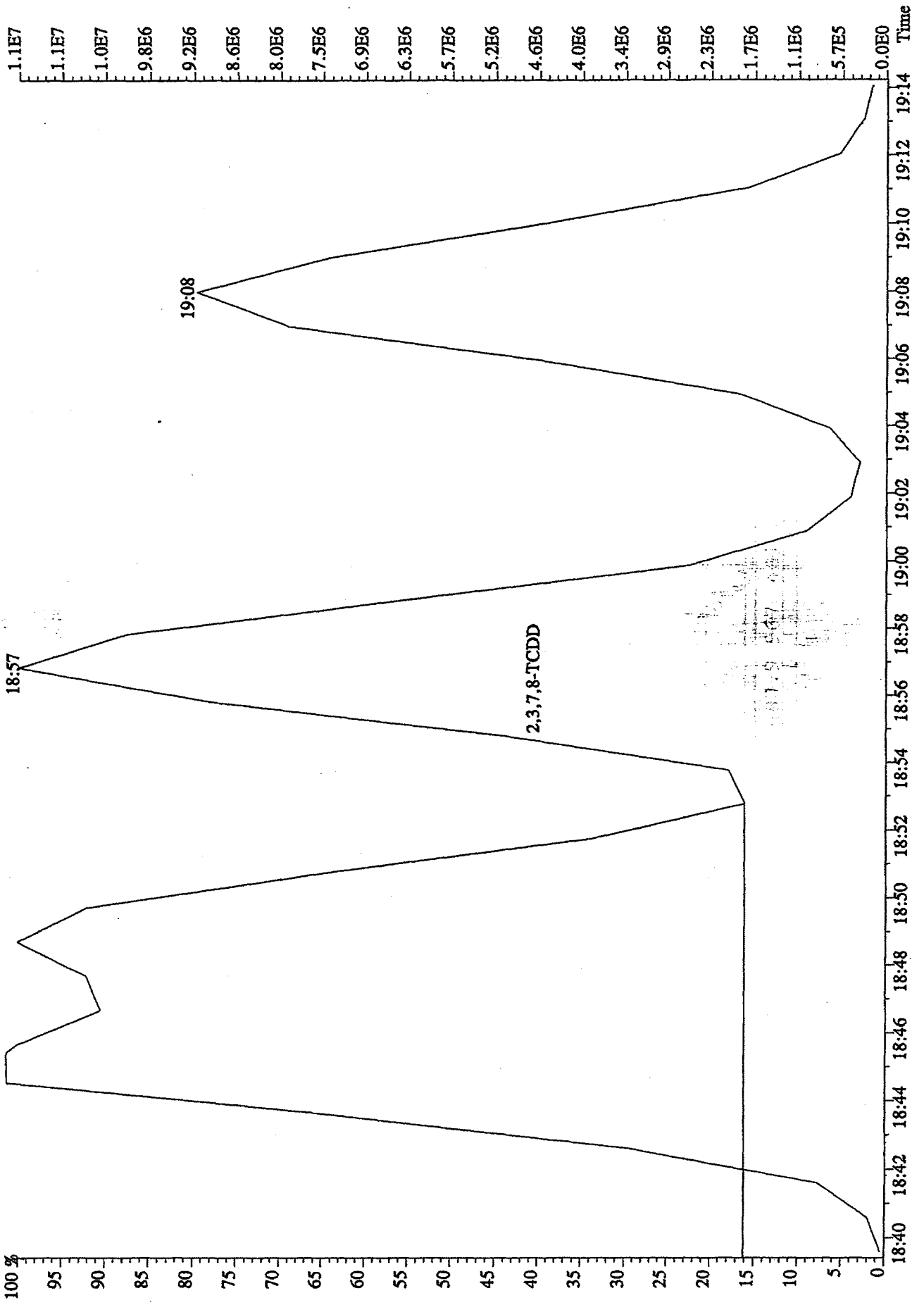
Peak Locate Examination: **JUAN-2010:07:39** File: RESCHECK1D5  
 Experiment: DIOXIN Function: 4 Reference: PFK



Peak Locate Examination: 1-JAN-2010:07:40 File:RESCHECK1D5  
 Experiment:DIOXIN Function:5 Reference:PFK



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  
 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

.3C-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

## Daily Calibration Checklist Dioxin Methods

Method ID 8290  
 Column ID DB5  
 STD ID ST0104, ST0104A  
 Analyzed by M.G.  
 Std. Pkg. By M.G.  
 Std. Pkg. Reviewed By JRS

Associated ICAL 8290123109105  
 Instrument ID 105  
 STD Solution 09DXN425  
 Date Analyzed 1/4/10  
 Date Std. Pkg. Assembled 1/5/10  
 Date Std. Pkg. Reviewed 1/5/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (for 1613B only)	NA	NA

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

- \* Method 8290/TO9/M0023A: (beginning)  $\leq$  20% from curve RRFs for native analytes,  $\leq$  30% from curve RRFs for labeled compounds.  
 Method 8290/TO9/M0023A: (ending)  $\leq$  25% from curve RRFs for native analytes,  $\leq$  35% from curve RRFs for labeled compounds.  
 Method 23: See Method 23 Daily Standard Criteria, Table 5.  
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
- \*\* Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet  
 Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.



Run text: ST0104 File text: ST0104 :CS3 09DXN425  
 Run #6 Filename 04JA10A1D5 S: 1 I: 1  
 Acquired: 4-JAN-10 14:22:14 Processed: 4-JAN-10 17:52:25  
 Run: 04JA10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 04JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	280509000	0.79 y	18:48	-	100.00	-	n
13C-2,3,7,8-TCDF	393555000	0.77 y	18:14	1.40	100.00	-10.4	n
2,3,7,8-TCDF	32711100	0.77 y	18:15	0.83	10.00	-3.3	n
Total TCDF	33091995	0.55 n	17:18	0.83	10.00	-3.3	n
13C-2,3,7,8-TCDD	277768000	0.80 y	19:00	0.99	100.00	-0.3	n
2,3,7,8-TCDD	23959000	0.77 y	19:01	0.86	10.00	-7.6	n
Total TCDD	24036981	1.34 n	17:52	0.86	10.00	-7.6	n
37Cl-2,3,7,8-TCDD	57146200	1.00 y	19:01	2.04	10.00	-8.2	n
13C-1,2,3,7,8-PeCDF	272612000	1.65 y	23:41	0.97	100.00	-9.4	n
1,2,3,7,8-PeCDF	143725300	1.60 y	23:43	1.05	50.00	5.4	n
2,3,4,7,8-PeCDF	133002900	1.57 y	25:09	0.98	50.00	4.0	n
Total F2 PeCDF	278531326	2.02 n	22:13	1.02	100.00	4.7	n
Total F1 PeCDF	158894	0.26 n	16:08	1.02	100.00	4.7	n
13C-1,2,3,7,8-PeCDD	177387600	1.66 y	25:54	0.63	100.00	-5.1	n
1,2,3,7,8-PeCDD	78532700	1.61 y	25:57	0.89	50.00	-4.7	n
Total PeCDD	78532700	1.61 y	25:57	0.89	50.00	-4.7	n
13C-1,2,3,7,8,9-HxCDD	210580100	1.25 y	32:54	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	184389900	0.53 y	31:31	0.88	100.00	-1.9	n
1,2,3,4,7,8-HxCDF	114973500	1.24 y	31:32	1.25	50.00	4.0	n
1,2,3,6,7,8-HxCDF	147971300	1.26 y	31:41	1.60	50.00	17.0	n
2,3,4,6,7,8-HxCDF	126493700	1.27 y	32:21	1.37	50.00	10.5	n
1,2,3,7,8,9-HxCDF	113974800	1.25 y	33:07	1.24	50.00	-6.8	n
Total HxCDF	503413300	1.24 y	31:32	1.37	200.00	6.3	n
13C-1,2,3,6,7,8-HxCDD	181249500	1.28 y	32:36	0.86	100.00	17.6	n
1,2,3,4,7,8-HxCDD	75662600	1.29 y	32:31	0.83	50.00	-13.9	n
1,2,3,6,7,8-HxCDD	101154000	1.33 y	32:37	1.12	50.00	5.5	n
1,2,3,7,8,9-HxCDD	104826500	1.26 y	32:55	1.16	50.00	-9.3	n
Total HxCDD	282365724	1.29 y	32:31	1.04	150.00	-5.9	n
13C-1,2,3,4,6,7,8-HpCDF	180705700	0.43 y	34:39	0.86	100.00	-0.2	n
1,2,3,4,6,7,8-HpCDF	119935400	1.05 y	34:39	1.33	50.00	3.2	n
1,2,3,4,7,8,9-HpCDF	93377100	1.04 y	35:56	1.03	50.00	-9.0	n
Total HpCDF	213312500	1.05 y	34:39	1.18	100.00	-2.5	n
13C-1,2,3,4,6,7,8-HpCDD	150406500	1.06 y	35:34	0.71	100.00	-5.0	n
1,2,3,4,6,7,8-HpCDD	74587700	1.10 y	35:35	0.99	50.00	-0.6	n
Total HpCDD	74924139	1.53 n	34:56	0.99	50.00	-0.6	n
13C-OCDD	199272800	0.91 y	38:21	0.47	200.00	-16.2	n
OCDF	147488100	0.90 y	38:29	1.48	100.00	3.0	n
OCDD	110569300	0.88 y	38:22	1.11	100.00	0.0	n

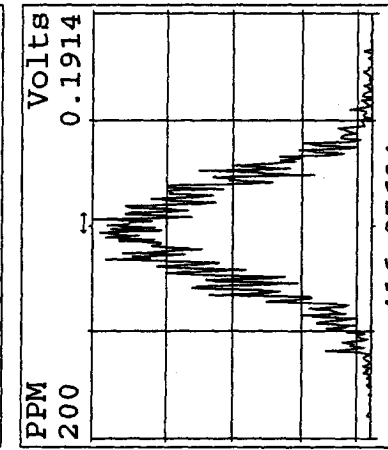
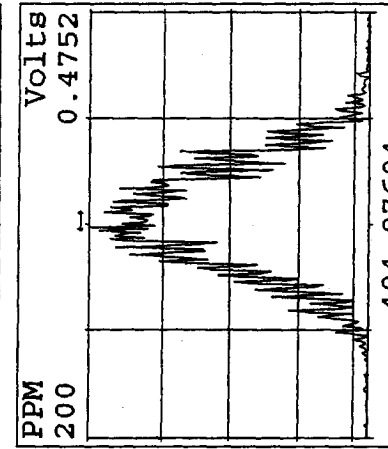
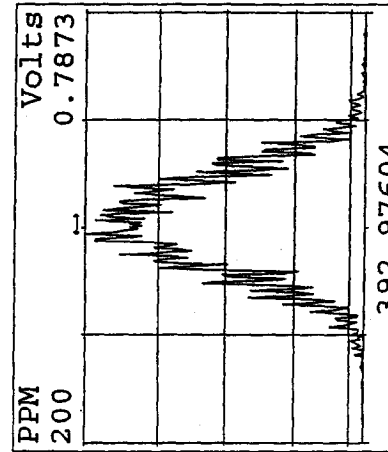
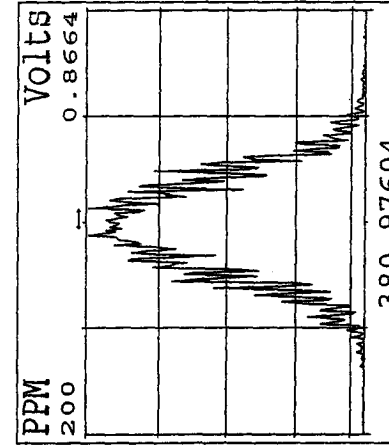
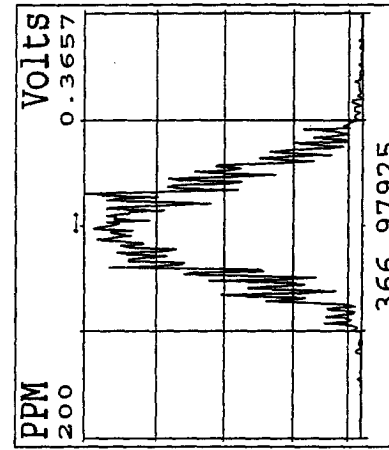
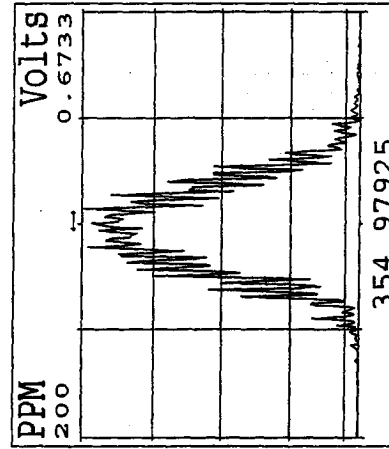
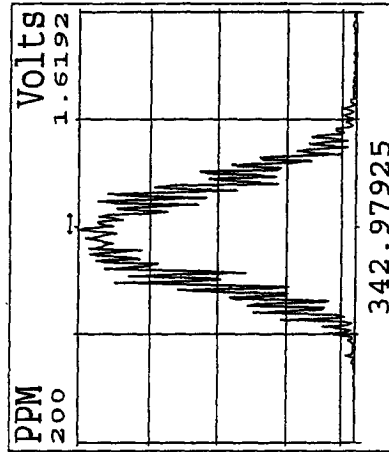
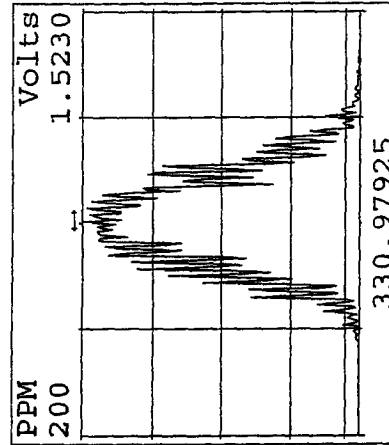
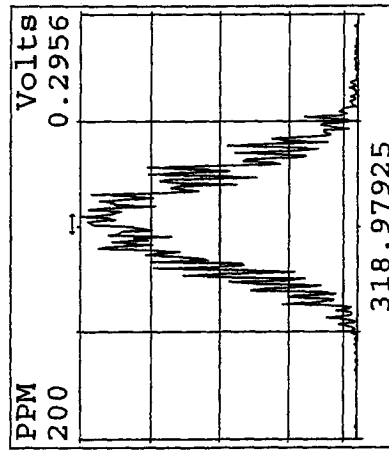
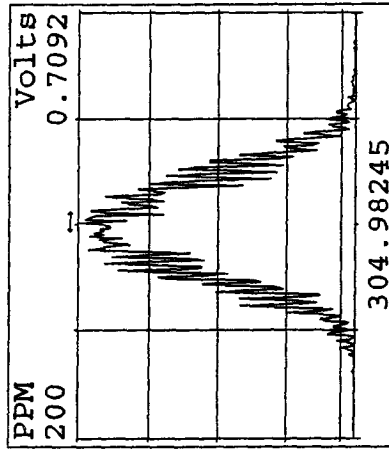
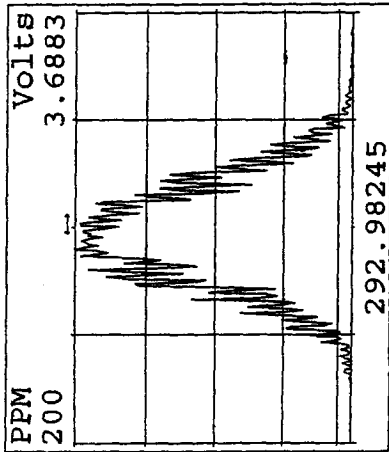
Run text: ST0104A File text: ST0104A :CS3 09DXN425  
 Run #15 Filename 04JA10A1D5 S: 12 I: 1  
 Acquired: 4-JAN-10 22:02:37 Processed: 5-JAN-10 07:52:09  
 Run: 04JA10A1D5 Analyte: 8290 Cal: 82901231.091D5 Results: 04JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	305540000	0.79 y	18:42	-	100.00	-	n
13C-2,3,7,8-TCDF	428953000	0.76 y	18:09	1.40	100.00	-10.4	n
2,3,7,8-TCDF	32770100	0.72 y	18:10	0.76	10.00	-11.2	n
Total TCDF	33075687	1.34 n	17:12	0.76	10.00	-11.2	n
13C-2,3,7,8-TCDD	315113000	0.80 y	18:54	1.03	100.00	3.8	n
2,3,7,8-TCDD	27024800	0.79 y	18:55	0.86	10.00	-8.2	n
Total TCDD	27324095	2.73 n	15:56	0.86	10.00	-8.2	n
37Cl-2,3,7,8-TCDD	67269200	1.00 y	18:55	2.20	10.00	-0.7	n
13C-1,2,3,7,8-PeCDF	304342000	1.59 y	23:33	1.00	100.00	-7.2	n
1,2,3,7,8-PeCDF	145652400	1.57 y	23:34	0.96	50.00	-4.3	n
2,3,4,7,8-PeCDF	137197300	1.57 y	24:59	0.90	50.00	-3.9	n
Total F2 PeCDF	285598094	1.57 y	23:34	0.93	100.00	-4.1	n
Total F1 PeCDF	237831	0.35 n	16:04	0.93	100.00	-4.1	n
13C-1,2,3,7,8-PeCDD	199454200	1.63 y	25:44	0.65	100.00	-2.0	n
1,2,3,7,8-PeCDD	94968500	1.58 y	25:46	0.95	50.00	2.5	n
Total PeCDD	95227794	2.64 n	25:26	0.95	50.00	2.5	n
13C-1,2,3,7,8,9-HxCDD	248387000	1.28 y	32:51	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	209840500	0.51 y	31:27	0.84	100.00	-5.4	n
1,2,3,4,7,8-HxCDF	120488000	1.24 y	31:28	1.15	50.00	-4.2	n
1,2,3,6,7,8-HxCDF	146045500	1.24 y	31:36	1.39	50.00	1.5	n
2,3,4,6,7,8-HxCDF	131075000	1.22 y	32:17	1.25	50.00	0.6	n
1,2,3,7,8,9-HxCDF	123743200	1.26 y	33:04	1.18	50.00	-11.1	n
Total HxCDF	521351700	1.24 y	31:28	1.24	200.00	-3.3	n
13C-1,2,3,6,7,8-HxCDD	188597100	1.12 y	32:33	0.76	100.00	3.7	n
1,2,3,4,7,8-HxCDD	83754600	1.25 y	32:28	0.89	50.00	-8.4	n
1,2,3,6,7,8-HxCDD	109704700	1.28 y	32:34	1.16	50.00	9.9	n
1,2,3,7,8,9-HxCDD	115884100	1.26 y	32:52	1.23	50.00	-3.6	n
Total HxCDD	310561051	1.25 y	32:28	1.09	150.00	-0.7	n
13C-1,2,3,4,6,7,8-HpCDF	194080900	0.42 y	34:36	0.78	100.00	-9.2	n
1,2,3,4,6,7,8-HpCDF	125774000	1.05 y	34:37	1.30	50.00	0.7	n
1,2,3,4,7,8,9-HpCDF	103441600	1.03 y	35:54	1.07	50.00	-6.1	n
Total HpCDF	229215600	1.05 y	34:37	1.18	100.00	-2.5	n
13C-1,2,3,4,6,7,8-HpCDD	179032800	1.06 y	35:32	0.72	100.00	-4.2	n
1,2,3,4,6,7,8-HpCDD	86512500	1.05 y	35:33	0.97	50.00	-3.1	n
Total HpCDD	86808288	1.04 y	34:55	0.97	50.00	-3.1	n
13C-OCDD	274116000	0.90 y	38:20	0.55	200.00	-2.2	n
OCDF	181459700	0.90 y	38:28	1.32	100.00	-7.9	n
OCDD	146499300	0.88 y	38:20	1.07	100.00	-3.7	n

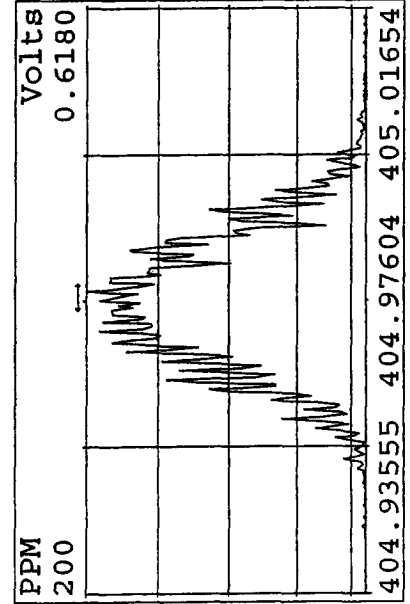
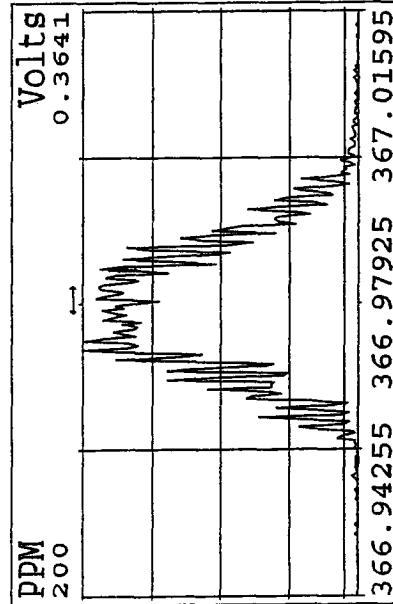
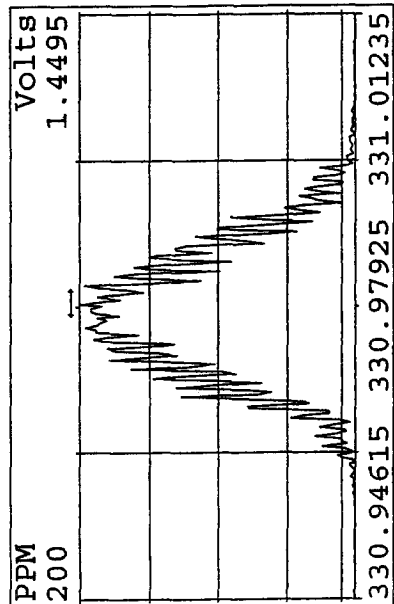
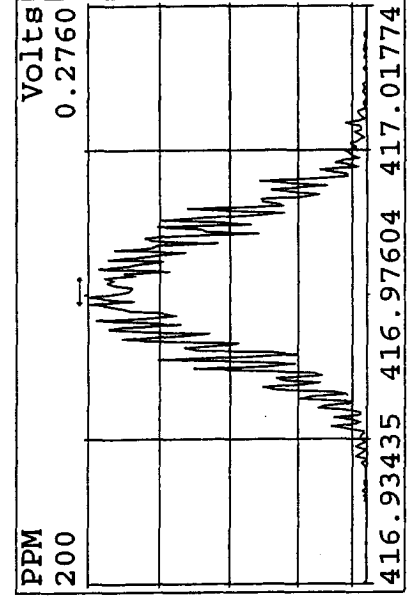
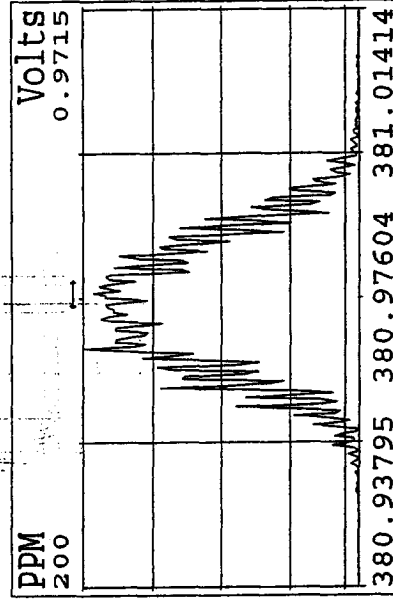
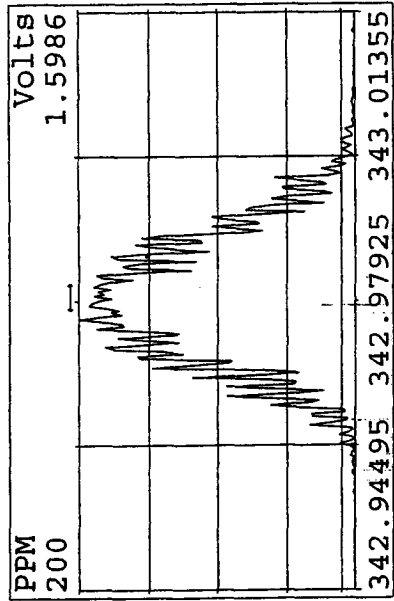
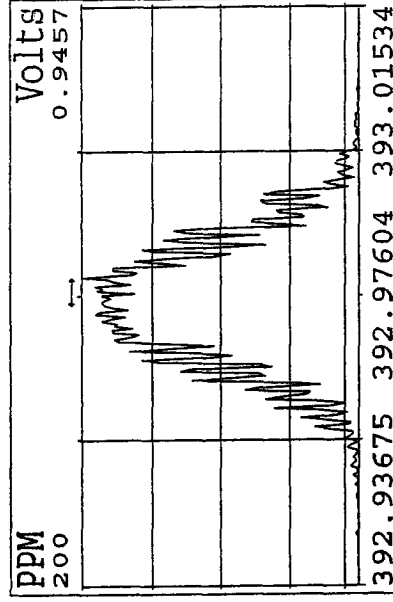
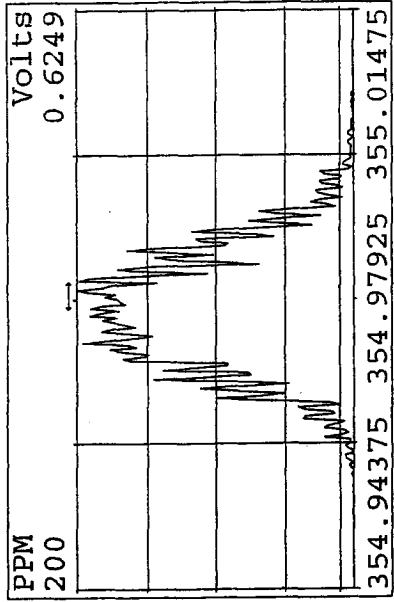
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04JA10A1D5	1	ST0104	CS3 09DXN425				1.000	
04JA10A1D5	2	CP0104	DB-5 CPSM 3732-04				1.000	
04JA10A1D5	3	SB0104	Solvent Blank C-14				1.000	
04JA10A1D5	4	LRNEV-1-AA	G9L280000-386B ✓	10	8290/SOLID	75	10.000	g
04JA10A1D5	5	LRNEV-1-AC	G9L280000-386C ✓	10	8290/SOLID		10.000	g
04JA10A1D5	6	LQ2K8-3-AC	G9L120491-3RX	10	8290/SOLID		10.310	g
04JA10A1D5	7	LQ2LD-3-AC	G9L120491-7RX	10	8290/SOLID		10.100	g
04JA10A1D5	8	LQ2LE-3-AC	G9L120491-8RX	10	8290/SOLID		10.020	g
04JA10A1D5	9	LQ2LE-1-AF	G9L120491-8S	10	8290/SOLID		10.080	g
04JA10A1D5	10	LQ2LE-1-AG	G9L120491-8D	10	8290/SOLID		10.170	g
04JA10A1D5	11	SB0104A	Solvent Blank C-14				1.000	
04JA10A1D5	12	ST0104A	CS3 09DXN425				1.000	
04JA10A1D5	13						1.000	
04JA10A1D5	14						1.000	
04JA10A1D5	15						1.000	
04JA10A1D5	16		MG 01/04/10				1.000	

log file checked  
1-04-10 am

Peak Locate Examination: 4-JAN-2010:14:17 File:04JA10A1D5  
Experiment:DIOXIN Function:1 Reference:PFK

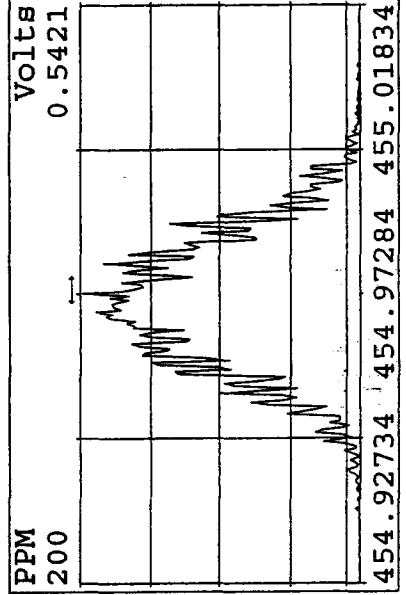
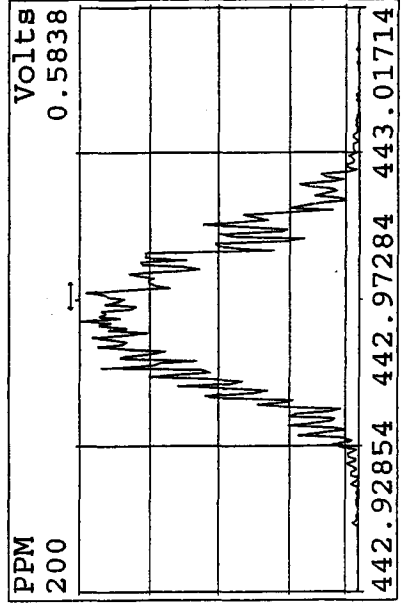
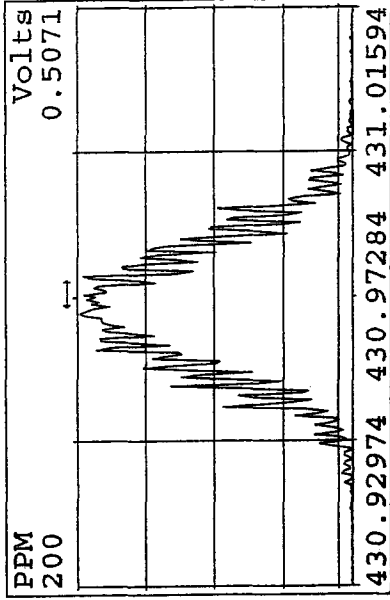
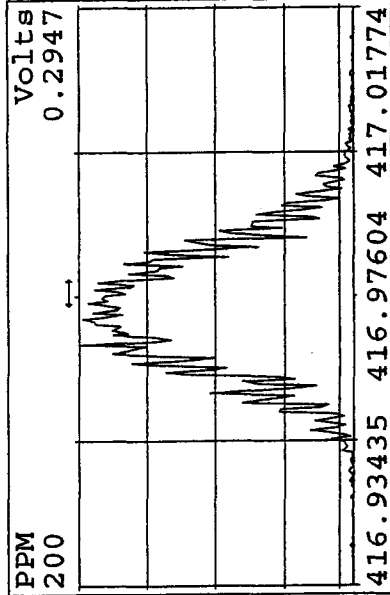
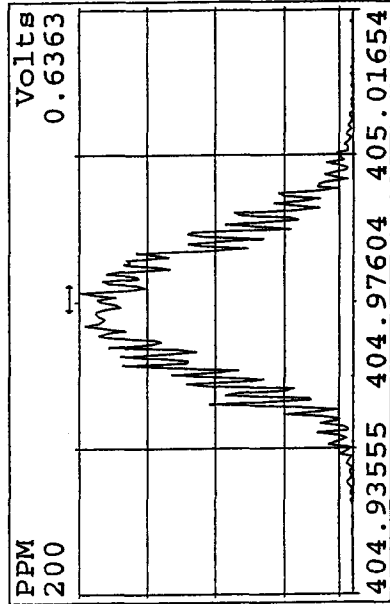
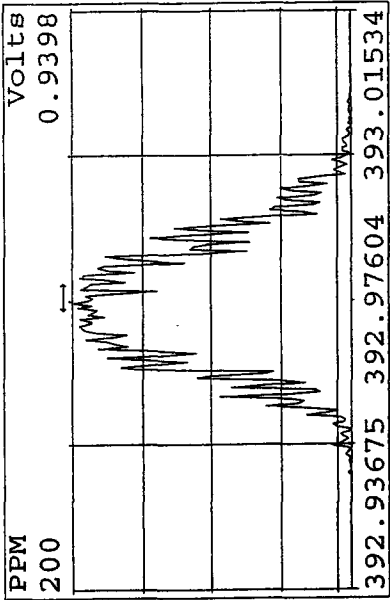
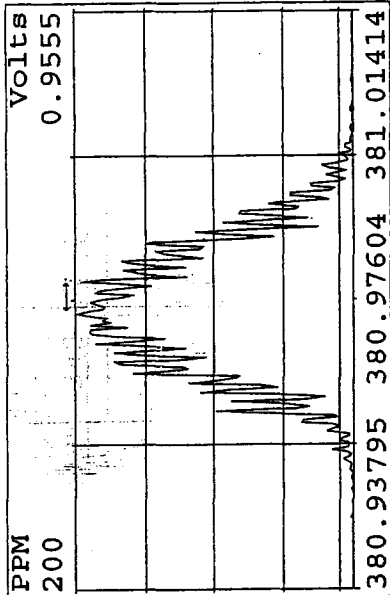
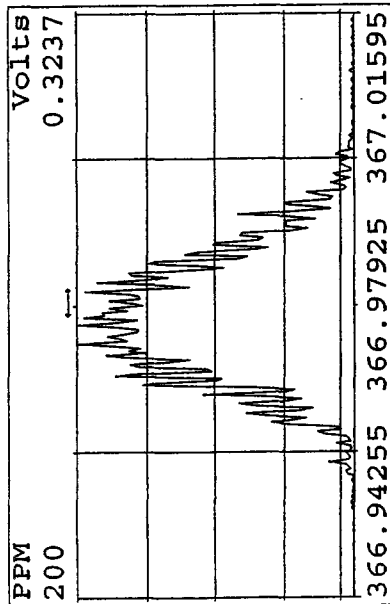


Peak Locate Examination: 4-JAN-2010:14:19 File:04JA10A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK

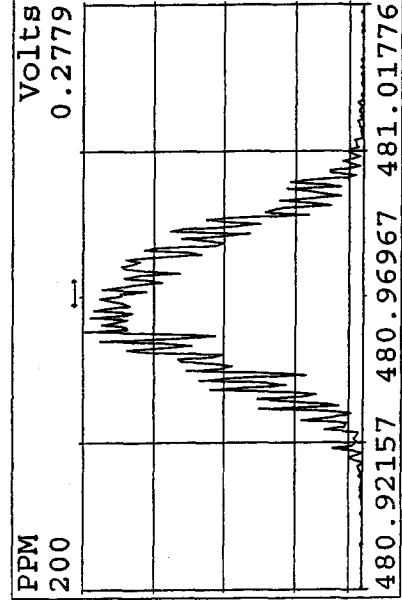
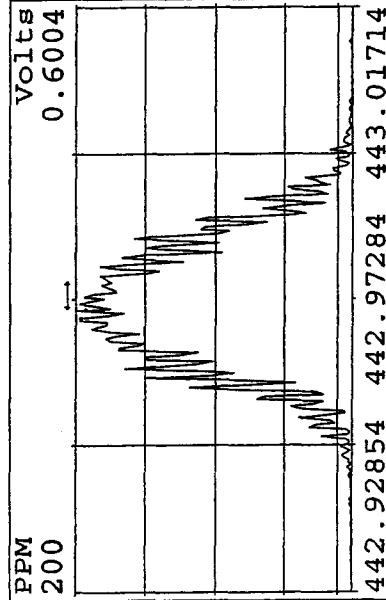
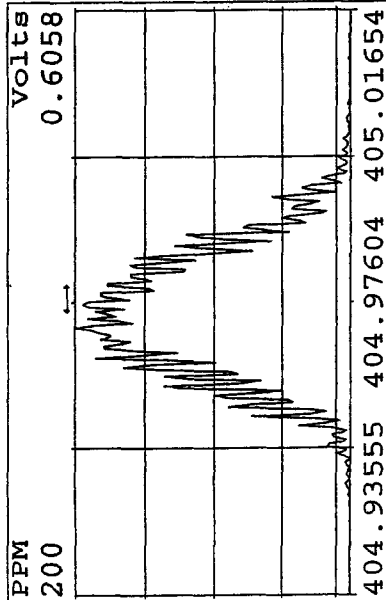
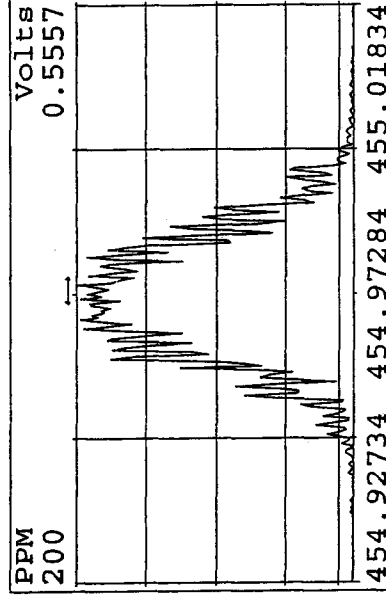
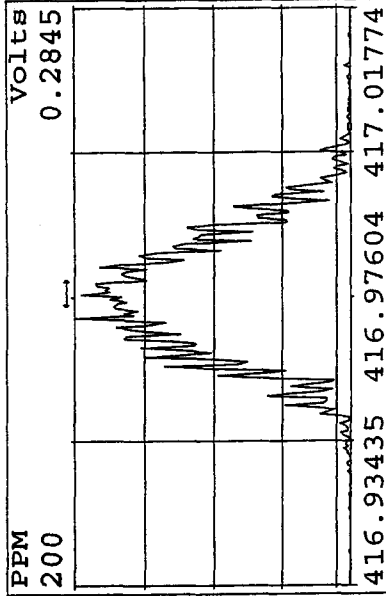
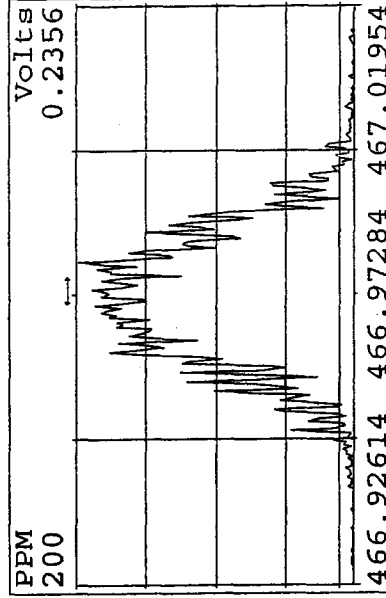
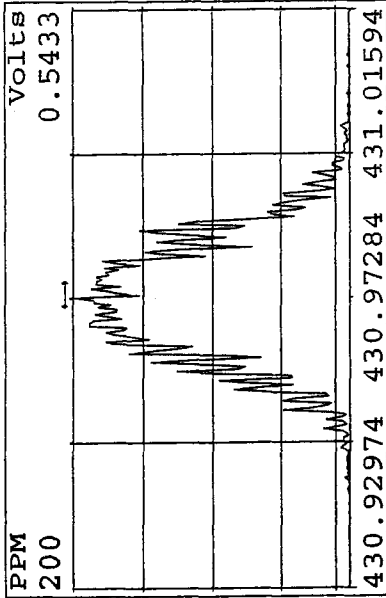


Peak Locate Examination: 4-JAN-2010:14:20 File:04JA10A1D5

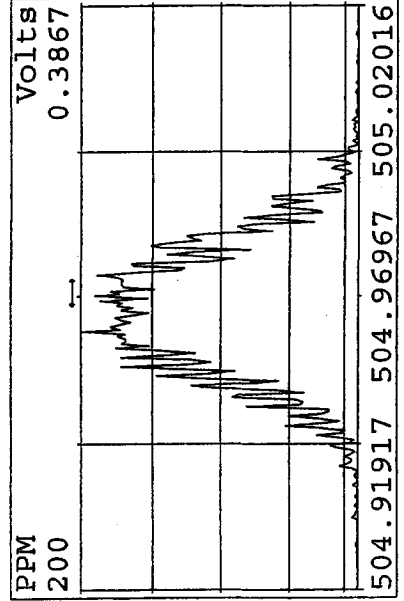
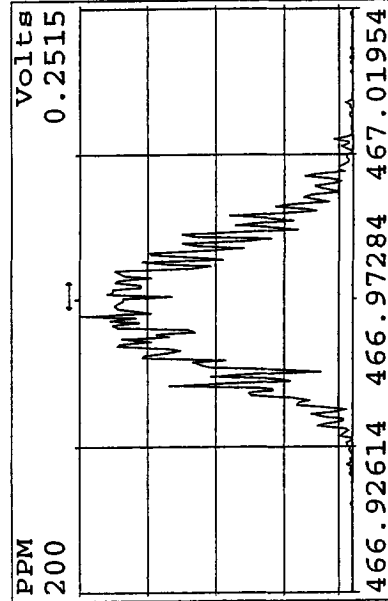
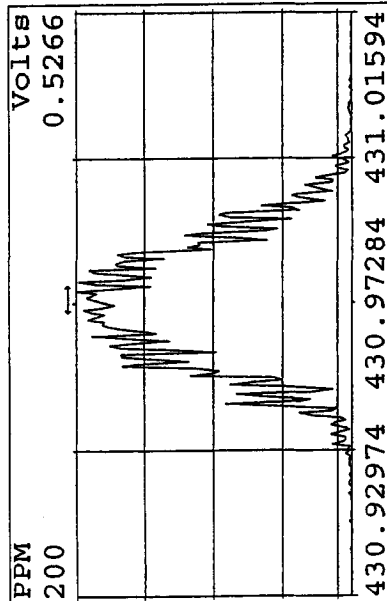
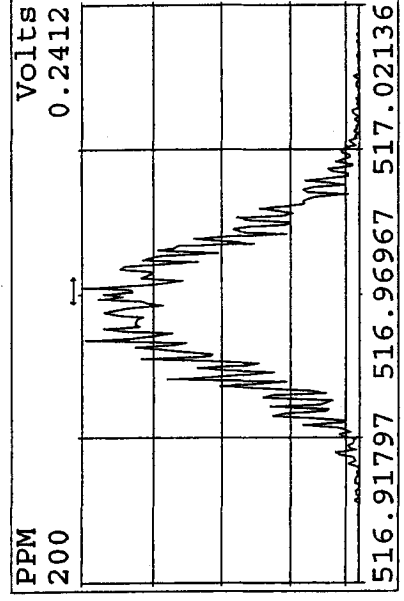
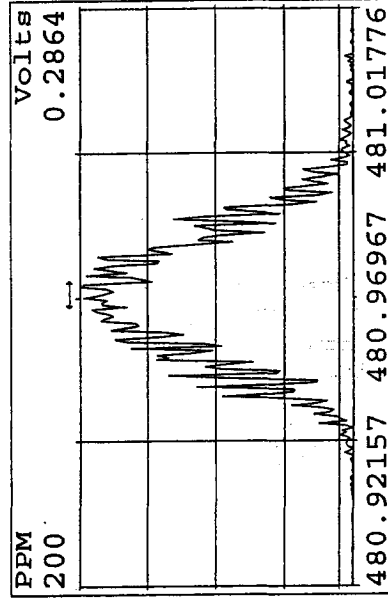
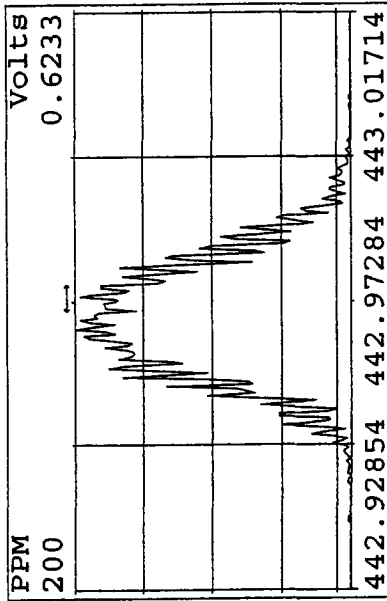
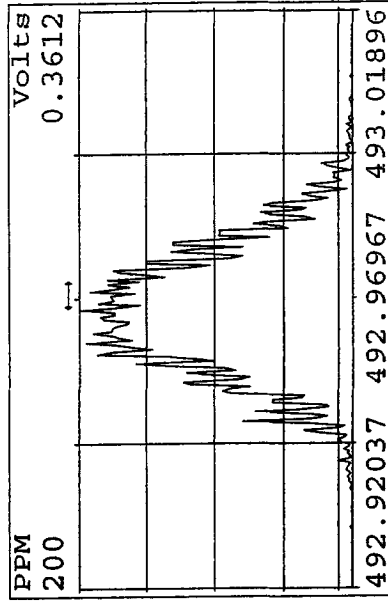
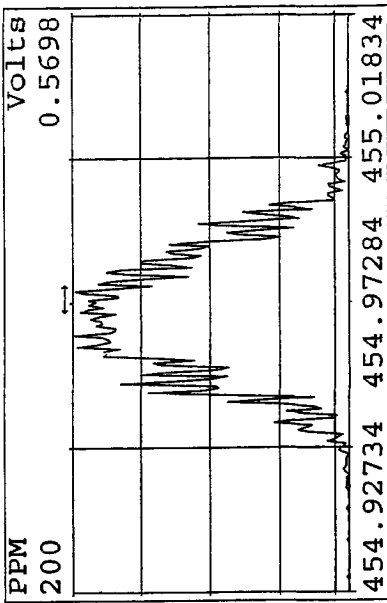
Experiment:DIOXIN Function:3 Reference:PFK



Peak Locate Examination: 4-JAN-2010:14:20 File:04JAI0A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



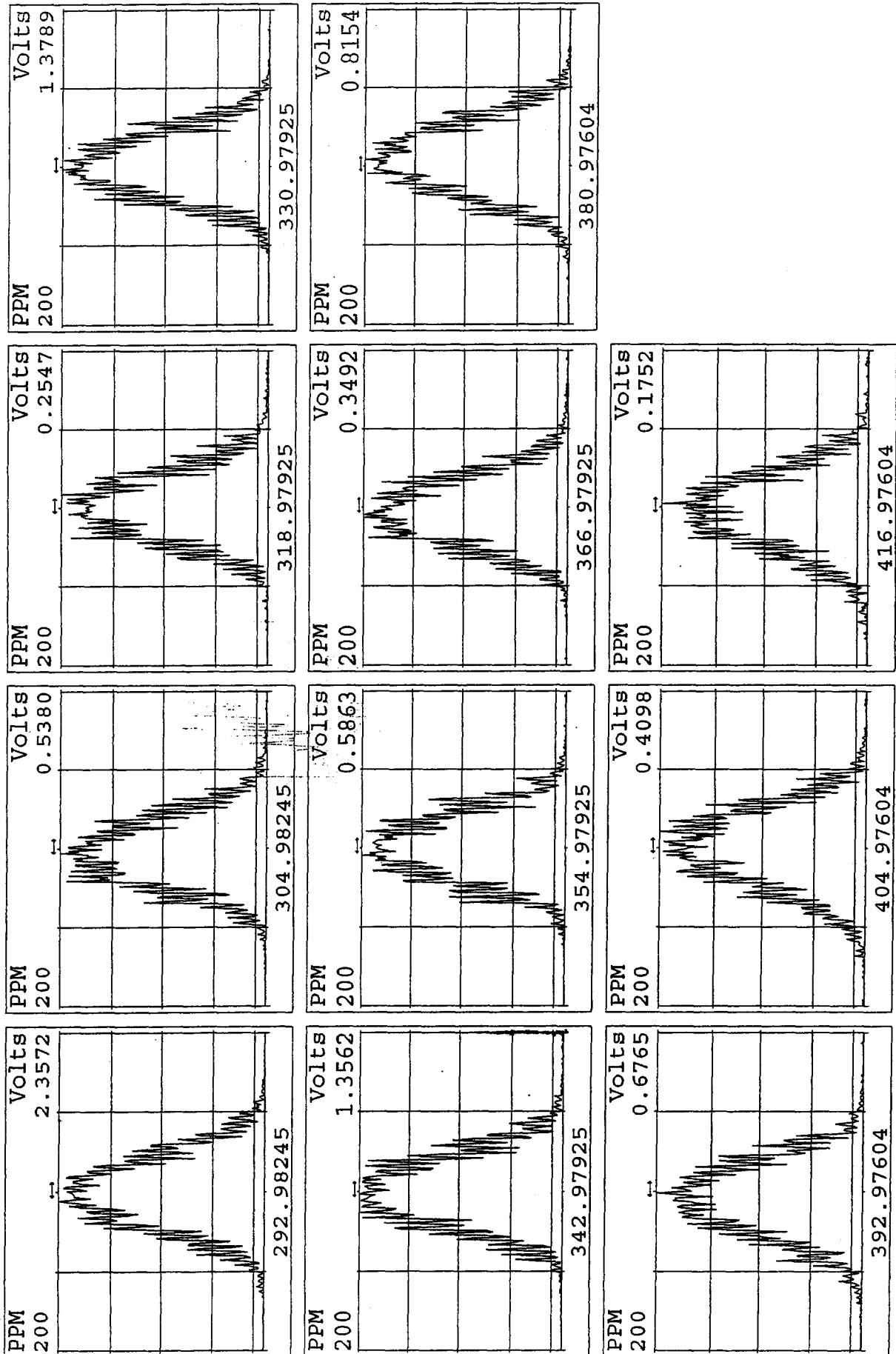
Peak Locate Examination: 4-JAN-2010:14:21 File:04JA10A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK



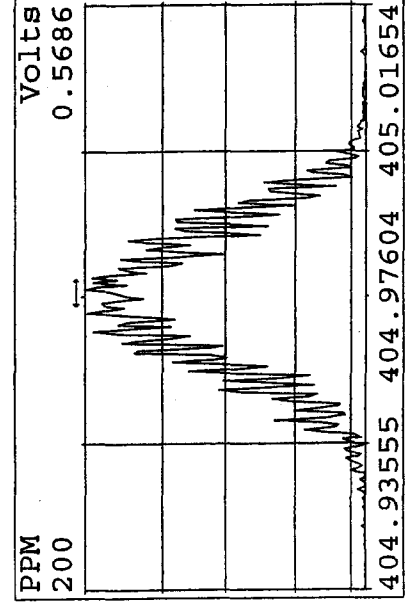
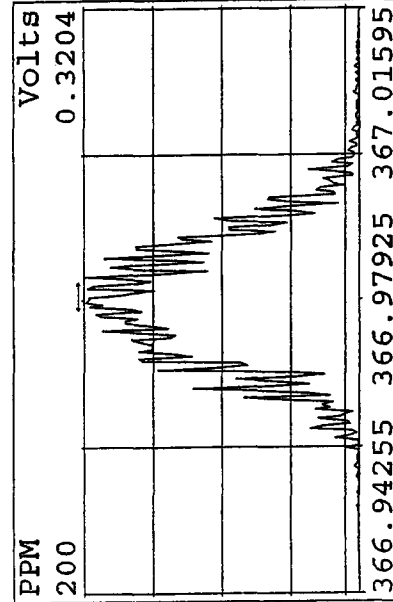
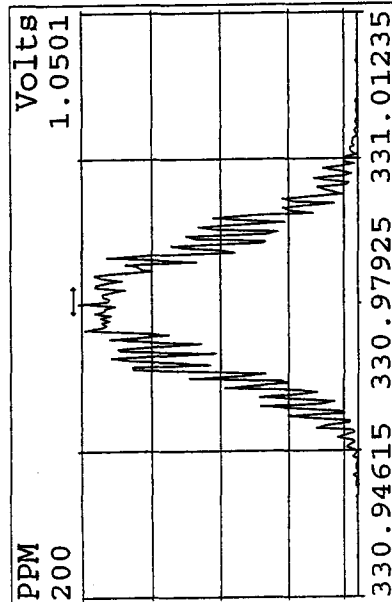
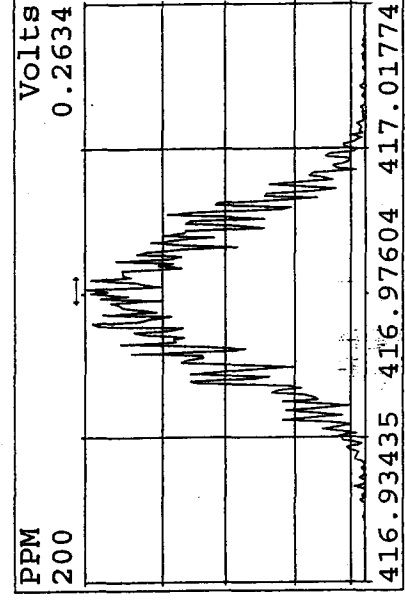
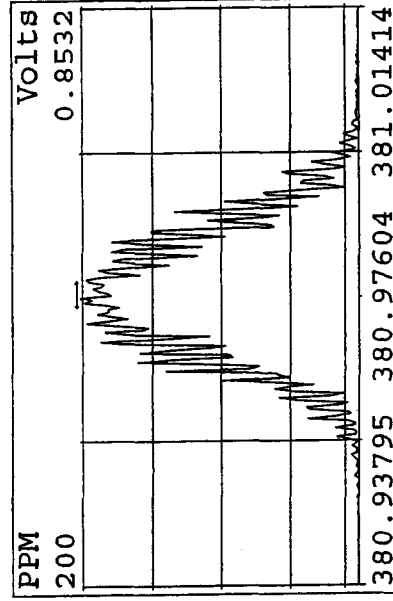
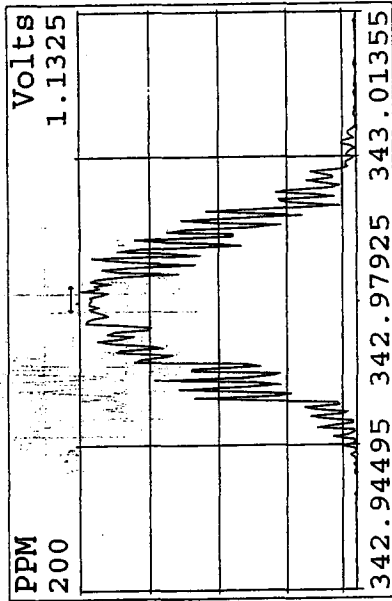
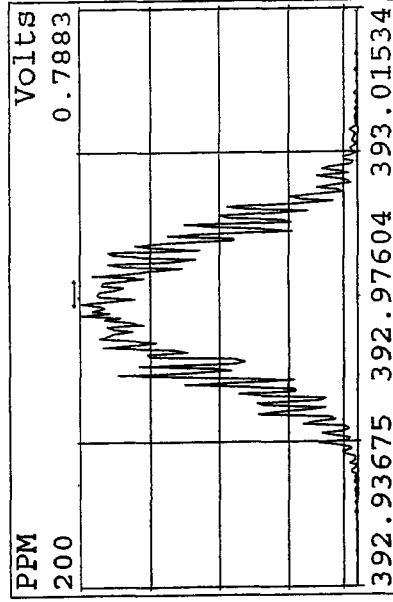
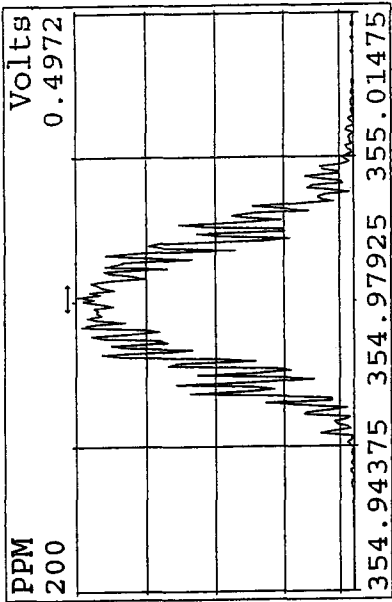


Peak Locate Examination: 4-JAN-2010:22:59 File:RESCHK04JA10A1D5

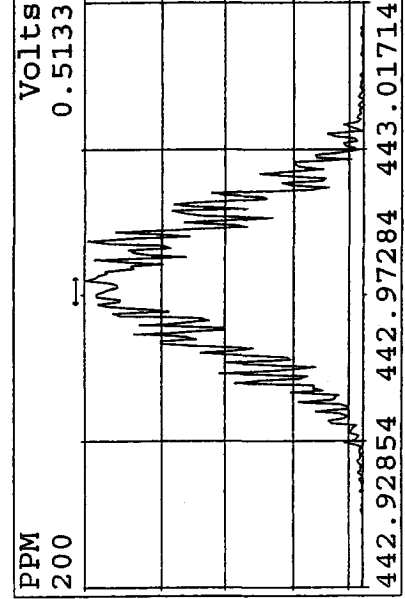
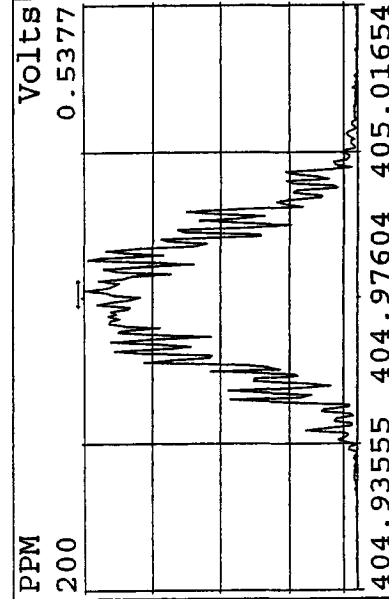
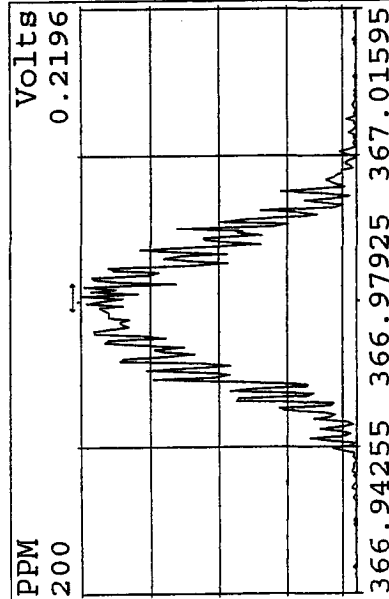
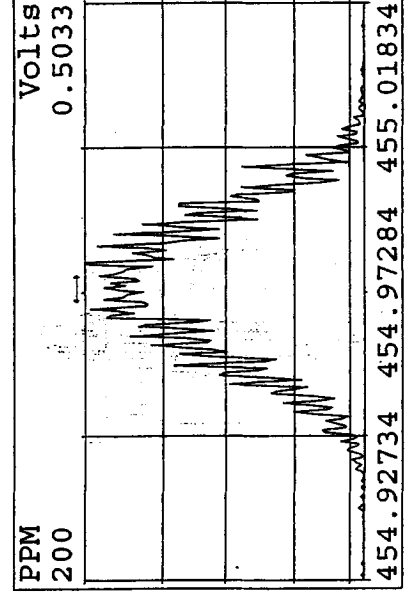
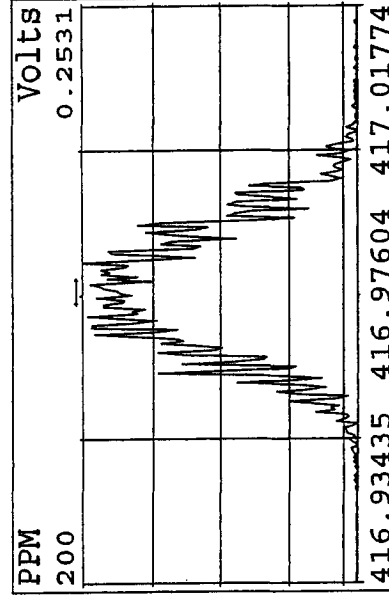
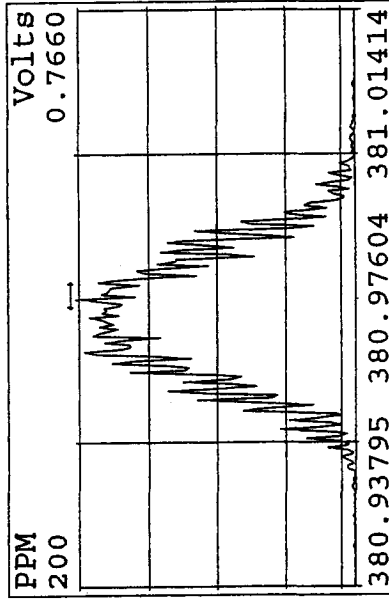
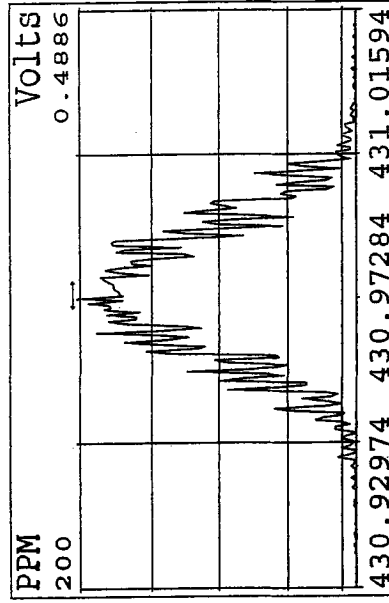
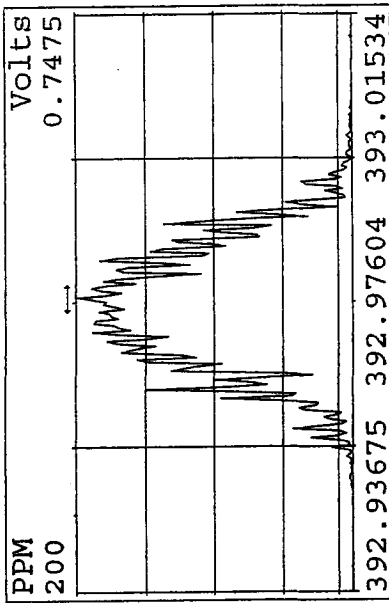
Experiment:DIOXIN Function:1 Reference:PFK



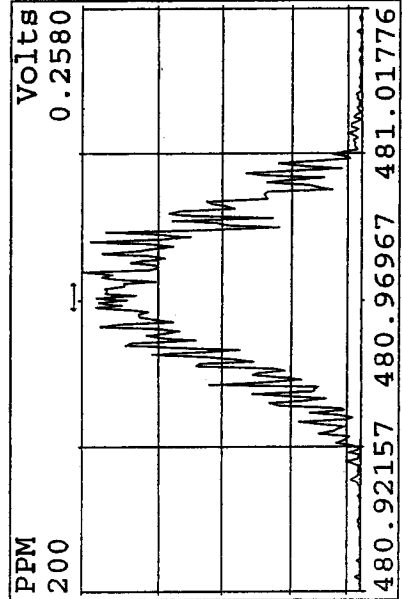
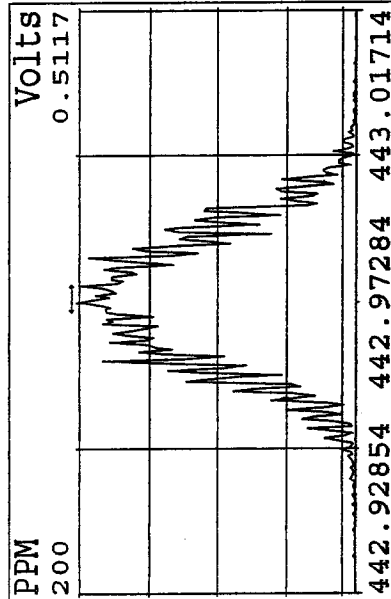
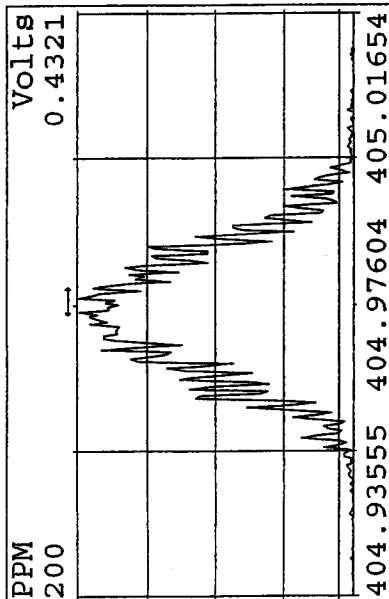
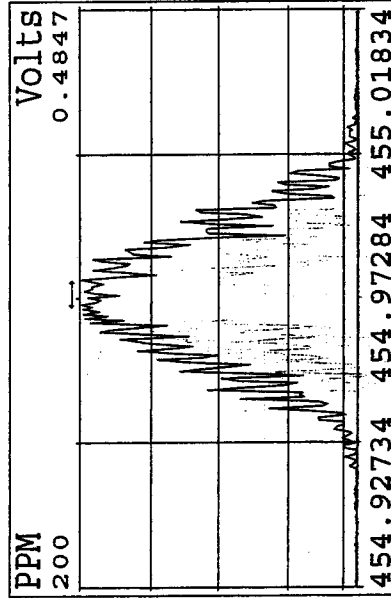
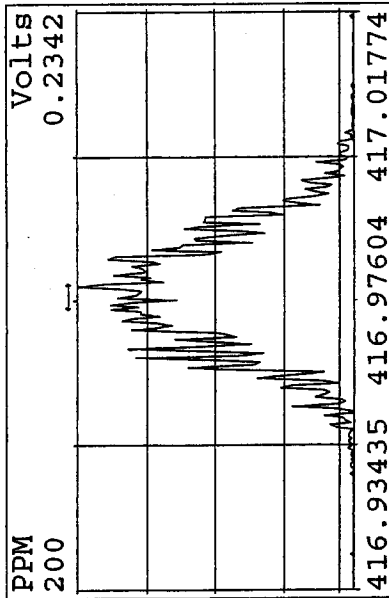
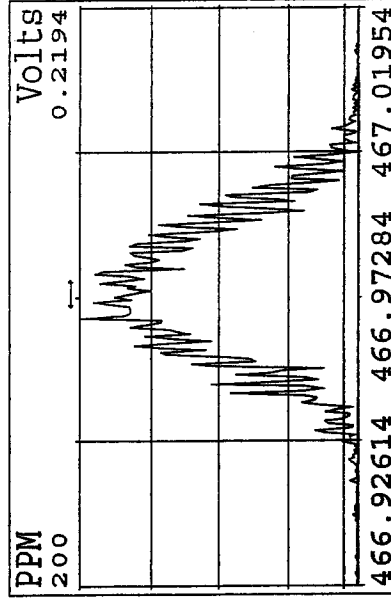
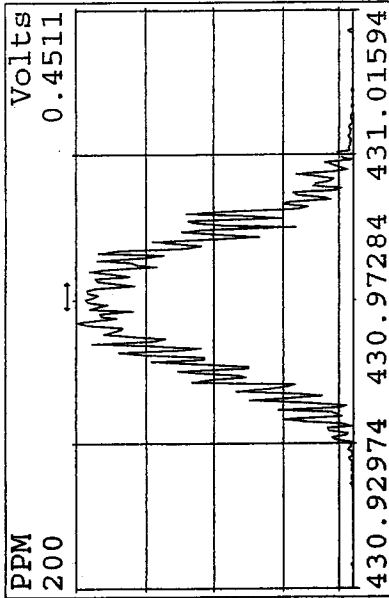
Peak Locate Examination: 4-JAN-2010:23:01 File:RESCHK04JA10A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



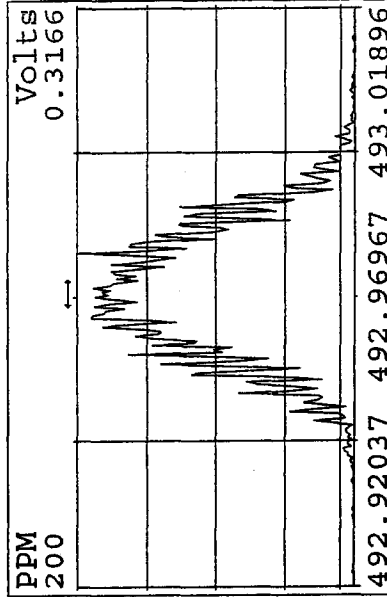
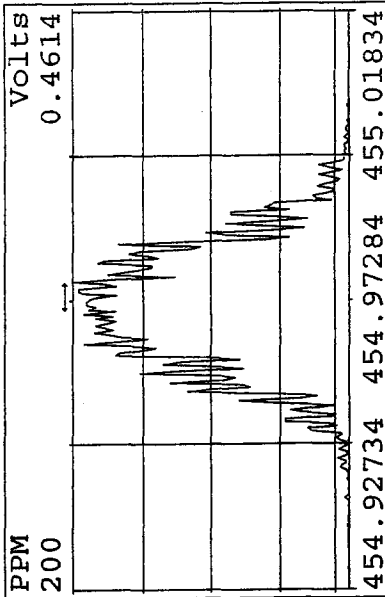
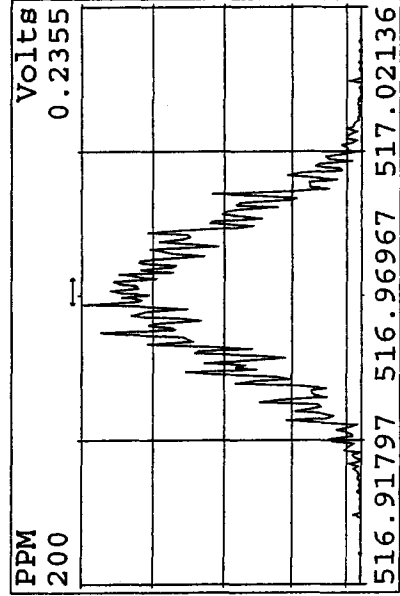
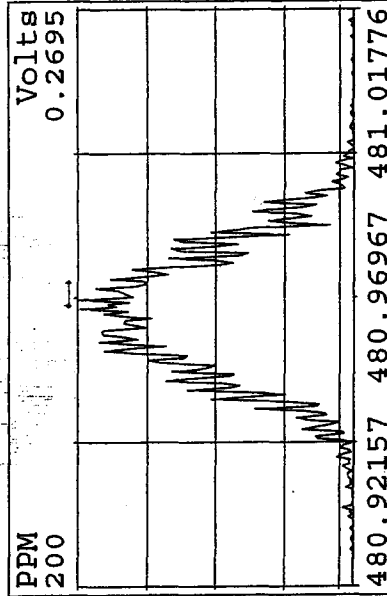
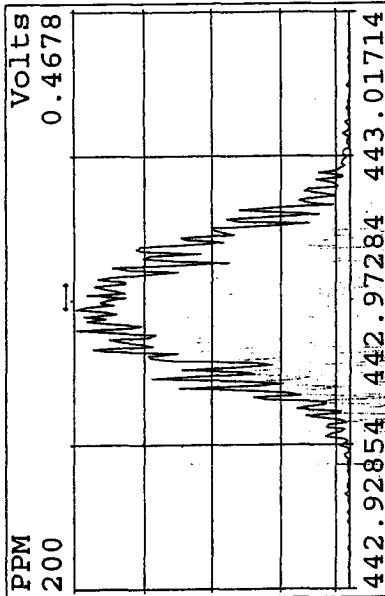
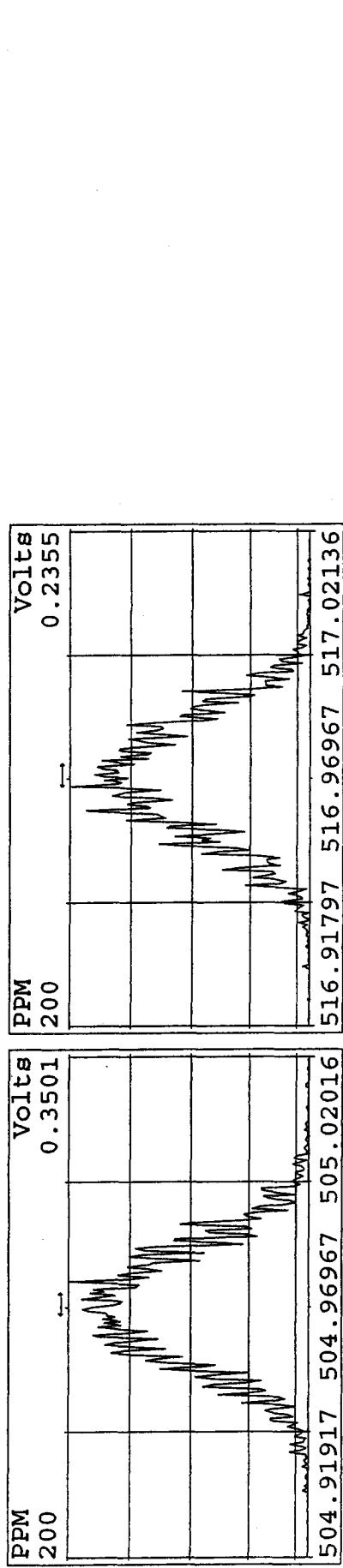
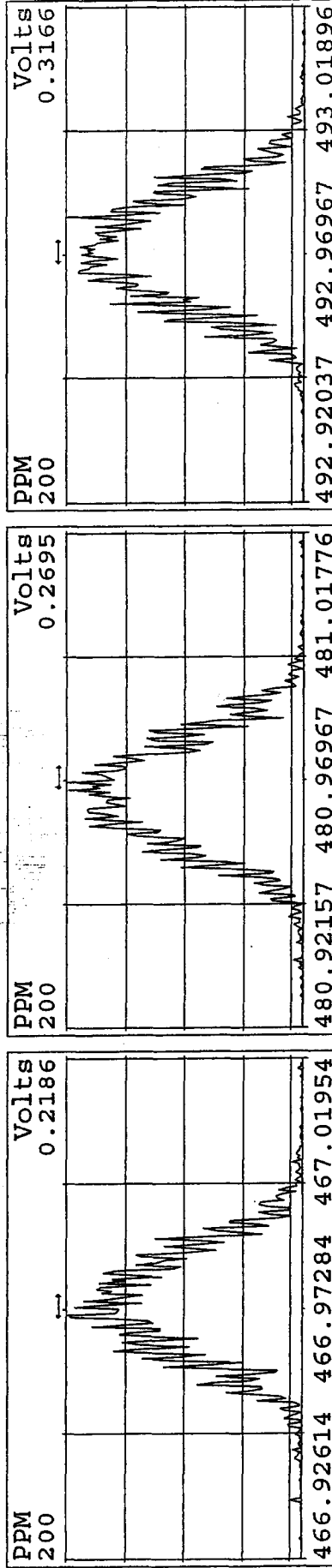
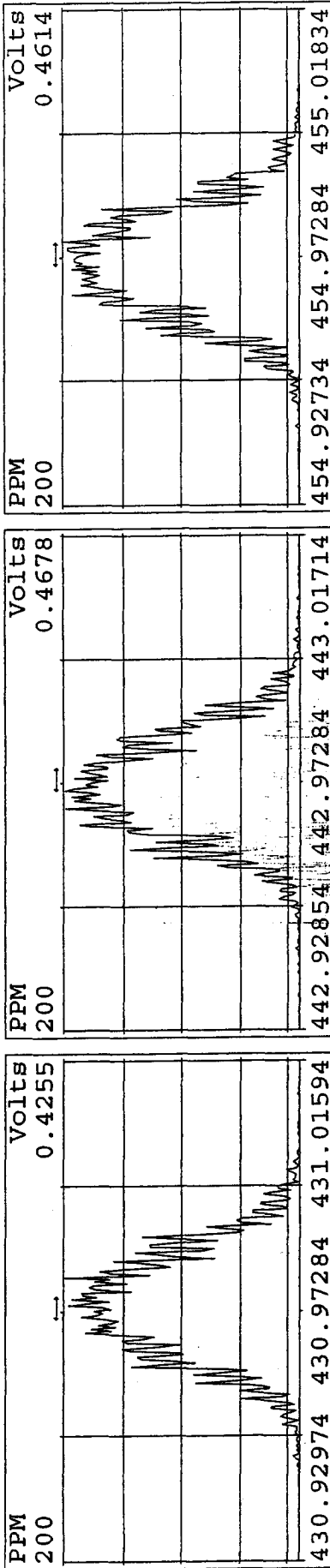
Peak Locate Examination: 4-JAN-2010:23:02 File:RESCHK04JA10A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



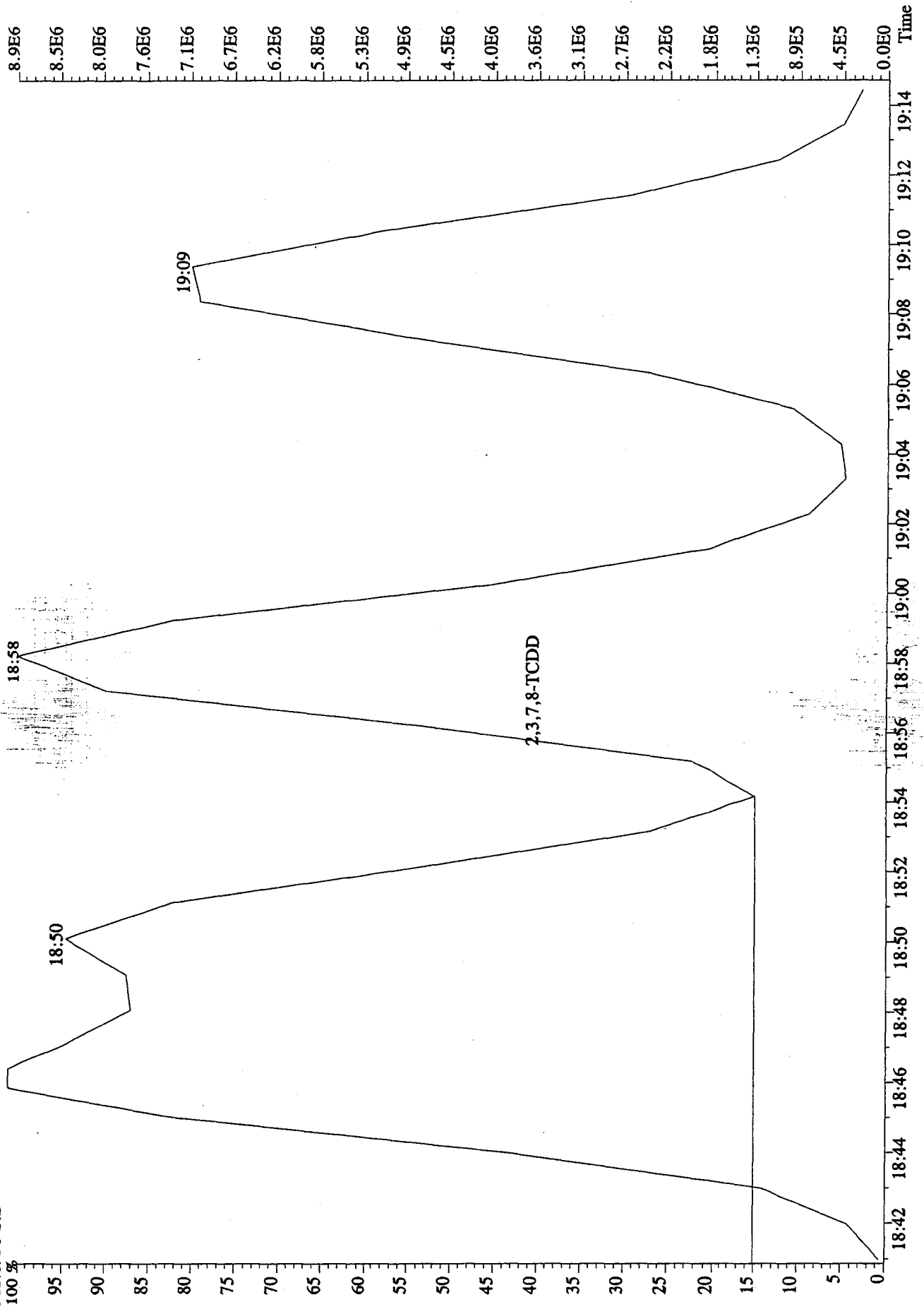
Peak Locate Examination: 4-JAN-2010:23:03 File:RESCHK04JA10A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 4-JAN-2010:23:05 File:RESCHK04JA10A1D5  
Experiment:DIOXIN Function:5 Reference:PFK



File:04JA10A1D5 #1-339 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Exp:DIOXIN  
 321.8936 S:2



Run: 04JA10A1D5 Analyte: 8290HRS 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	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	1.64	1.53	1.66	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	0.87	0.91	0.98	0.98	0.98	0.98	0.98	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98	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	1.01	0.97	1.12	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	0.95	1.01	1.07	1.07	1.07	1.07	1.07	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07	1.07	1.07	1.07	1.07	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74	2.74	2.74	2.74	2.74	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	1.26	1.26	1.26	1.26	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11	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	0.97	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08	1.08	1.08	1.08	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	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	0.67	0.67	0.80	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	0.94	1.04	1.06	1.06	1.06	1.06	1.06	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06	1.06	1.06	1.06	1.06	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	0.94	0.94	0.94	0.94	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	1.32	1.32	1.32	1.32	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	1.45	1.45	1.45	1.45	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	1.36	1.36	1.36	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	1.42	1.42	1.42	1.42	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38	1.38	1.38	1.38	1.38	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	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	0.98	1.15	1.11	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	1.09	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
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-HpCDD	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
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



Initial Calibration Checklist  
Dioxin Methods

ICAL ID ICA123120093D5(8290, 1613, TETRAS)

Method ID 8290, 1613B, Tetras Date Scanned \_\_\_\_\_

Column ID DB5 Instrument ID 3D5

STD ID's ST1231(B,C,D,E,F) STD Solution 09DXN422(23,25,26,56)

GC Program DIOXIN Multiplier Setting 350

Analyzed By JRB Date Analyzed 12/31/09

Prepared By JRB Date Prepared 01/04/10

Reviewed By M.G. Date Reviewed 1/4/10

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

COMMENTS: CS3 13C-1,2,3,4-TCDD RT = 18.54 min 13C-1,2,3,7,8,9-HxCDD RT = 32.62 min

\* 1613 only.

\*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10  
Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10  
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:38:33 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 31 Dec 2009 10:05:23

Calibration: 31 Dec 2009 13:37:23

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.55387	0.10195	6.56127
4	2,3,7,8-TCDF	1.00894	0.03940	3.90512
5	Total TCDFs	1.00894	0.03940	3.90512
6				
7	13C-2,3,7,8-TCDD	0.93654	0.08265	8.82467
8	2,3,7,8-TCDD	1.13162	0.06094	5.38546
9	Total TCDDs	1.13162	0.06094	5.38546
10				
11	37CL-2,3,7,8-TCDD	1.13700	0.09172	8.06695
12				
13	13C-1,2,3,7,8-PeCDF	1.21534	0.12934	10.64235
14	1,2,3,7,8-PeCDF	1.03079	0.04663	4.52356
15	2,3,4,7,8-PeCDF	0.96399	0.04086	4.23834
16	Total F2 PeCDFs	0.99739	0.04369	4.38021
17	Total F1 PeCDFs	0.99739	0.04369	4.38021
18				
19	13C-1,2,3,7,8-PeCDD	0.74736	0.08018	10.72899
20	1,2,3,7,8-PeCDD	1.05672	0.03490	3.30300
21	Total PeCDDs	1.05672	0.03490	3.30300
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	0.91641	0.07223	7.88160
26	1,2,3,4,7,8-HxCDF	1.24280	0.05687	4.57635
27	1,2,3,6,7,8-HxCDF	1.49624	0.06359	4.24985
28	2,3,4,6,7,8-HxCDF	1.31114	0.08139	6.20792
29	1,2,3,7,8,9-HxCDF	1.29097	0.15794	12.23447
30	Total HxCDFs	1.33529	0.08589	6.43214
31				
32	13C-1,2,3,6,7,8-HxCDD	0.80919	0.05547	6.85475
33	1,2,3,4,7,8-HxCDD	0.93261	0.05959	6.38974
34	1,2,3,6,7,8-HxCDD	1.18024	0.05154	4.36672
35	1,2,3,7,8,9-HxCDD	1.28282	0.21352	16.64444
36	Total HxCDDs	1.13189	0.10452	9.23374
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.81080	0.04083	5.03538
39	1,2,3,4,6,7,8-HpCDF	1.36387	0.07395	5.42218
40	1,2,3,4,7,8,9-HpCDF	1.11483	0.06881	6.17218
41	Total HpCDFs	1.23935	0.07020	5.66394
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.70743	0.03465	4.89747
44	1,2,3,4,6,7,8-HpCDD	1.04312	0.04748	4.55165
45	Total HpCDDs	1.04312	0.04748	4.55165
46				
99	13C-OCDD	0.51895	0.04265	8.16129

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:38:33 Pacific Standard Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.40213	0.13119	9.35683
49	OCDD	1.19691	0.05139	4.29389
50				
51				
52	Function 1 PFK			
53	Function 2 PFK	16743.46550	16630.81420	99.32719
54	Function 3 PFK	7909.22500	521.22114	6.59004
55	Function 4 PFK	14980.66300	0.00000	0.00000
56	Function 5 PFK	3947.90350	3001.02553	76.01568
57	TCDF PCDPE	30.01200	0.00000	0.00000
58	F1 PeCDF PCDPE	45.97250	34.38590	74.79666
59	F2 PeCDF PCDPE	17.77400	16.24159	91.37835
60	HXCDF PCDPE	18.61100	20.51602	110.23600
61	HPCDF PCDPE	75.50100	34.84622	46.15333
62	OCDF PCDPE	85.06150	155.80506	183.16755

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 31 Dec 2009 10:05:23

Calibration: 31 Dec 2009 13:37:23

Sample: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod Data	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.56	1420005	1.00000		0.816	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	18.01	2089299	1.47133		0.822	NO
4	2,3,7,8-TCDF	303.9016	18.03	879286	1.05213		0.802	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.75	1221308	0.86007		0.837	NO
8	2,3,7,8-TCDD	319.8965	18.78	578690	1.18457		0.750	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.78	626572	1.10312			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.36	1622108	1.14233		1.650	NO
14	1,2,3,7,8-PeCDF	339.8597	23.39	3446922	1.06248		1.579	NO
15	2,3,4,7,8-PeCDF	339.8597	24.80	3199584	0.98624		1.569	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.54	1017507	0.71655		1.586	NO
20	1,2,3,7,8-PeCDD	355.8546	25.58	2197910	1.08005		1.577	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.63	1329255	1.00000		1.169	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.28	1117948	0.84103		0.516	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.30	2917985	1.30506		1.222	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.44	3473916	1.55370		1.219	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.10	3085947	1.38018		1.222	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.82	3188715	1.42615		1.131	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.34	997196	0.75019		1.323	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.26	1907055	0.95621		1.269	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.35	2500551	1.25379		1.294	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.65	3069165	1.53890		1.285	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.18	1017841	0.76572		0.460	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.19	2934211	1.44139		1.081	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	2337867	1.14844		1.036	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	904632	0.68056		1.075	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.99	1932789	1.06827		1.055	NO
45	Total HpCDDs	423.7766						

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
47	13C-OCDD	469.7779	37.44	1273461	0.47901		0.925	NO
48	OCDF	441.7428	37.54	3877326	1.52236		0.916	NO
49	OCDD	457.7377	37.45	3194833	1.25439		0.872	NO
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...	22.50	4984	4983.7...			
54	Function 3 PFK	380.97...	29.27	7541	7540.6...			
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...	39.30	6070	6069.9...			
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555	33.02	24	23.836...			
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.54	1312762	1.00000		0.804	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	17.98	2114301	1.61057		0.813	NO
4	2,3,7,8-TCDF	303.9016	18.01	218298	1.03248		0.798	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	1272310	0.96919		0.796	NO
8	2,3,7,8-TCDD	319.8965	18.75	137033	1.07704		0.806	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.75	145624	1.10929			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.34	1576437	1.20085		1.626	NO
14	1,2,3,7,8-PeCDF	339.8597	23.36	835224	1.05964		1.593	NO
15	2,3,4,7,8-PeCDF	339.8597	24.77	781078	0.99094		1.568	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.52	982379	0.74833		1.649	NO
20	1,2,3,7,8-PeCDD	355.8546	25.56	516887	1.05232		1.599	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.62	1198576	1.00000		1.335	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.27	1082151	0.90286		0.527	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.29	681870	1.26021		1.236	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.43	850724	1.57228		1.275	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.09	736683	1.36152		1.248	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.82	735482	1.35930		1.219	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.33	949380	0.79209		1.303	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.25	470443	0.99105		1.224	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.34	555757	1.17078		1.284	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.63	653835	1.37739		1.207	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.18	956415	0.79796		0.442	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.19	670059	1.40119		1.046	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	555302	1.16122		1.050	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	844966	0.70497		1.069	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.99	439061	1.03924		1.080	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.44	1212003	0.50560		0.878	NO
48	OCDF	441.7428	37.54	885223	1.46076		0.931	NO
49	OCDD	457.7377	37.45	756308	1.24803		0.893	NO

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...	18.72		22 21.658...			
59	F2 PeCDF PCDPE	409.7974	22.10		19 19.066...			
60	HXCDF PCDPE	445.7555	33.08		17 16.703...			
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	37.57		7 6.61200			

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.54	1339894	1.00000		0.803	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	18.00	1933751	1.44321		0.805	NO
4	2,3,7,8-TCDF	303.9016	18.01	37379	0.96648		0.790	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	1192946	0.89033		0.794	NO
8	2,3,7,8-TCDD	319.8965	18.75	25320	1.06122		0.769	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.75	27694	1.03345			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.34	1495722	1.11630		1.583	NO
14	1,2,3,7,8-PeCDF	339.8597	23.36	145439	0.97236		1.500	NO
15	2,3,4,7,8-PeCDF	339.8597	24.76	137024	0.91610		1.557	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.52	908118	0.67775		1.648	NO
20	1,2,3,7,8-PeCDD	355.8546	25.54	92439	1.01792		1.647	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.61	1135542	1.00000		1.258	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.27	997611	0.87853		0.525	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.28	122414	1.22707		1.318	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.41	145606	1.45954		1.271	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.08	123386	1.23682		1.254	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.81	116973	1.17253		1.197	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.31	891525	0.78511		1.247	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.24	77130	0.86515		1.403	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.33	101689	1.14062		1.197	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.62	98034	1.09962		1.285	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.16	898132	0.79093		0.446	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.16	118917	1.32405		1.035	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.28	96704	1.07673		1.027	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.97	768463	0.67674		1.074	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.98	81291	1.05784		1.112	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.43	1098842	0.48384		0.910	NO
48	OCDF	441.7428	37.53	148220	1.34888		0.859	NO
49	OCDD	457.7377	37.44	127501	1.16032		0.916	NO



Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...	22.42	28503	28503...			
54	Function 3 PFK	380.97...	29.26	8278	8277.7...			
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974	22.16	1	0.92500			
60	HXCDF PCDPE	445.7555	33.04	51	50.659...			
61	HPCDF PCDPE	479.7165	35.32	51	50.861...			
62	OCDF PCDPE	513.67...	37.52	1	1.15200			

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.54	1272298	1.00000		0.794	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	18.00	1973915	1.55146		0.810	NO
4	2,3,7,8-TCDF	303.9016	18.01	9551	0.96771		0.862	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	1141541	0.89723		0.800	NO
8	2,3,7,8-TCDD	319.8965	18.75	6822	1.19524		0.720	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.75	7372	1.15886			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.34	1498651	1.17791		1.635	NO
14	1,2,3,7,8-PeCDF	339.8597	23.38	37025	0.98823		1.488	NO
15	2,3,4,7,8-PeCDF	339.8597	24.77	34603	0.92357		1.578	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.53	904029	0.71055		1.635	NO
20	1,2,3,7,8-PeCDD	355.8546	25.56	23291	1.03055		1.717	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.62	1010615	1.00000		1.170	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.27	1043345	1.03239		0.516	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.29	30099	1.15396		1.236	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.43	37165	1.42484		1.276	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.09	31536	1.20905		1.331	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.81	28076	1.07639		1.296	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.33	907121	0.89759		1.256	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.25	19787	0.87251		1.351	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.34	25573	1.12765		1.294	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.63	23257	1.02552		1.194	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.16	881865	0.87260		0.433	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.18	27677	1.25539		1.017	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	22317	1.01226		1.025	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	771327	0.76323		1.038	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.98	18586	0.96386		1.078	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.43	1098084	0.54328		0.889	NO
48	OCDF	441.7428	37.54	32874	1.19749		0.957	NO
49	OCDD	457.7377	37.45	31350	1.14199		0.882	NO

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555	33.03		1	1.29700		
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	37.58		14	13.843...		

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.53	793468	1.00000		0.793	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	17.98	1343177	1.69279		0.811	NO
4	2,3,7,8-TCDF	303.9016	18.00	2755940	1.02590		0.782	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	845739	1.06588		0.763	NO
8	2,3,7,8-TCDD	319.8965	18.75	1928287	1.14000		0.783	NO
9	Total TCDDs	319.8965						
10								
11	37Cl-2,3,7,8-TCDD	327.8847	18.75	2031754	1.28030			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.35	1142051	1.43932		1.597	NO
14	1,2,3,7,8-PeCDF	339.8597	23.38	12234024	1.07123		1.572	NO
15	2,3,4,7,8-PeCDF	339.8597	24.80	11455794	1.00309		1.556	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.56	701127	0.88362		1.658	NO
20	1,2,3,7,8-PeCDD	355.8546	25.58	7731709	1.10275		1.594	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.63	890496	1.00000		1.300	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.28	825687	0.92722		0.513	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.30	10467074	1.26768		1.246	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.44	12144612	1.47085		1.241	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.09	11296523	1.36814		1.190	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.82	11728682	1.42048		1.192	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.34	731065	0.82096		1.292	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.25	7150555	0.97810		1.267	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.35	8833819	1.20835		1.291	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.65	10035157	1.37268		1.295	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.18	736263	0.82680		0.459	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.18	10288154	1.39735		1.038	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	8654961	1.17553		1.044	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	633728	0.71166		1.081	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.99	6884594	1.08636		1.038	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.43	1036980	0.58225		0.897	NO
48	OCDF	441.7428	37.53	15359181	1.48114		0.922	NO
49	OCDD	457.7377	37.44	12234312	1.17980		0.874	NO

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...	34.75	14981	14980...			
56	Function 5 PFK	442.97...	39.26	1826	1825.8...			
57	TCDF PCDPE	375.8364	14.93	30	30.012...			
58	F1 PeCDF PCDPE	409.79...	18.68	70	70.287...			
59	F2 PeCDF PCDPE	409.7974	22.01	33	33.331...			
60	HXCDF PCDPE	445.7555	32.99	1	0.56000			
61	HPCDF PCDPE	479.7165	35.31	100	100.14...			
62	OCDF PCDPE	513.67...	37.54	319	318.63...			

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\31DE093D5.SPL  
Last Modified: Thursday, December 31, 2009 11:35:40 Pacific Standard Time  
Printed: Thursday, December 31, 2009 14:26:38 Pacific Standard Time

Page 1 of 2

Page Position (1, 1)

	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle	FV_uL
1	31DE093D5_1	CS-3 09DXN384	ST1231	--	--	1.000000	--	Tray01:1	--
2	31DE093D5_2	DB5 CPSM 3732-04	CP1231	--	--	1.000000	--	Tray01:2	--
3	31DE093D5_3	CS-5 09DXN455	ST1231A	--	--	1.000000	--	Tray01:3	--
4	31DE093D5_4	CS-4 09DXN426	ST1231B	--	--	1.000000	--	Tray01:4	--
5	31DE093D5_5	CS-3 09DXN425	ST1231C	--	--	1.000000	--	Tray01:5	--
6	31DE093D5_6	CS-2 09DXN423	ST1231D	--	--	1.000000	--	Tray01:6	--
7	31DE093D5_7	CS-1 09DXN422	ST1231E	--	--	1.000000	--	Tray01:7	--
8	31DE093D5_8	CS-5 09DXN456	ST1231F	--	--	1.000000	--	Tray01:8	--
9	31DE093D5_9	Solvent Blank C-14	SB1231	--	--	1.000000	--	Tray01:9	--
10	31DE093D5_10	2nd Source 09DXN300	ST1231G	1613B/8290	--	1.000000	--	Tray01:10	20
11	31DE093D5_11	DB5 CPSM 3732-04	CP1231A	--	--	1.000000	--	Tray01:11	--

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\31DE093D5.SPL  
 Last Modified: Thursday, December 31, 2009 11:35:40 Pacific Standard Time  
 Printed: Thursday, December 31, 2009 14:26:38 Pacific Standard Time

Page 2 of 2

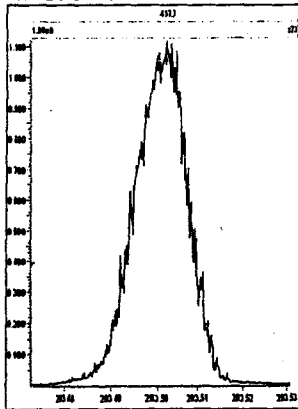
Page Position (2, 1)

Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF	ConG
2.000000	Analyte	JRB	Dioxin3D5	dioxin	10	50	100	100	200	10	100
2.000000	Analyte	JRB	Dioxin3D5	dioxin	--	--	--	--	--	--	--
2.000000	Standard	JRB	Dioxin3D5	dioxin	200	1000	2000	100	200	200	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	40	200	400	100	200	40	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	10	50	100	100	200	10	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	2	10	20	100	200	2	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	0.5	2.5	5	100	200	0.5	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	200	1000	2000	100	200	200	100
2.000000	Analyte	JRB	Dioxin3D5	dioxin	--	--	--	--	--	--	--
2.000000	Analyte	JRB	Dioxin3D5	dioxin	--	--	--	2000	4000	200	2000
2.000000	Analyte	JRB	Dioxin3D5	dioxin	--	--	--	--	--	--	--

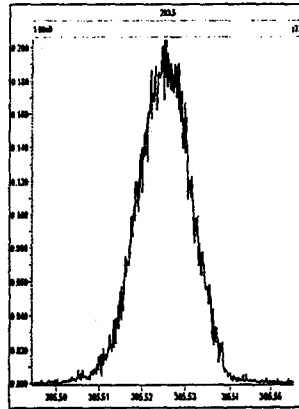
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, December 31, 2009 08:18:58 Pacific Standard Time

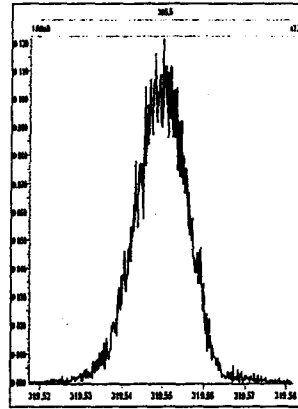
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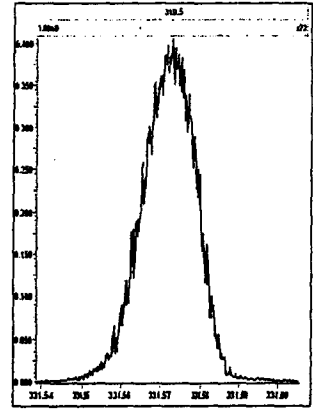
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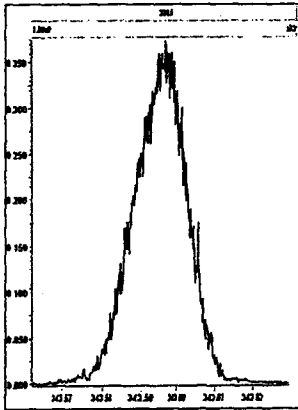
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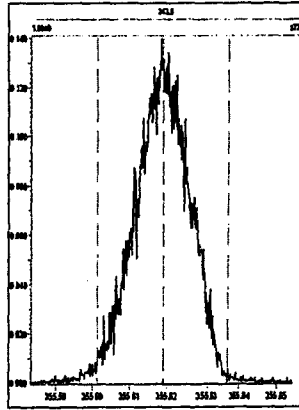
M 330.9792 R 10822



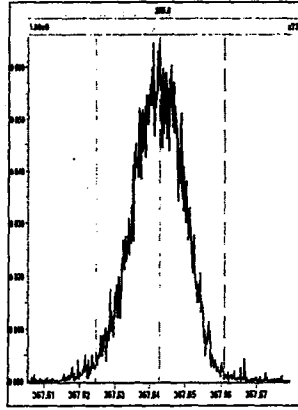
M 342.9792 R 10779



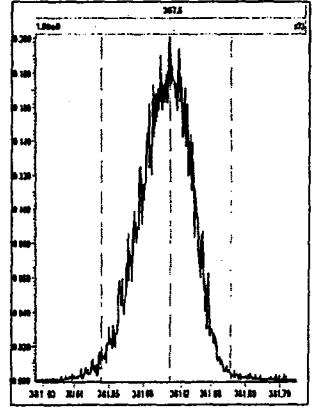
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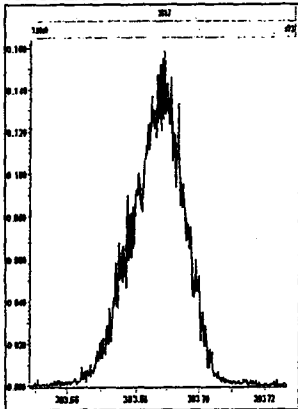
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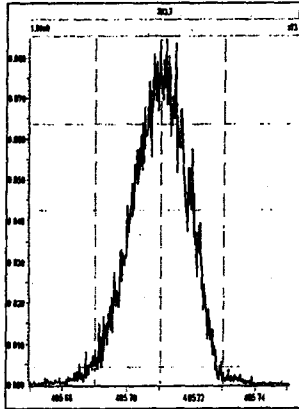
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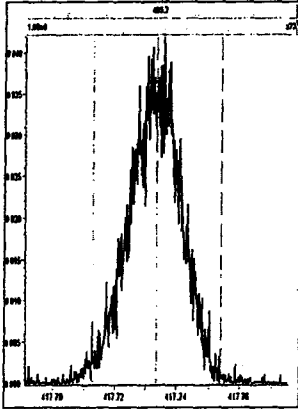
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M 404.9760 R 10503



M 416.9760 R 11470

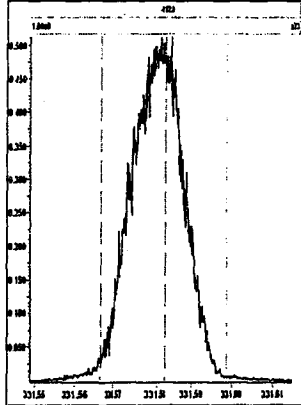




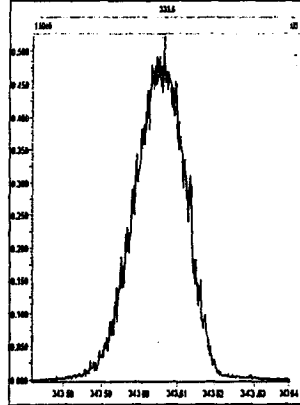
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Printed: Thursday, December 31, 2009 08:19:21 Pacific Standard Time

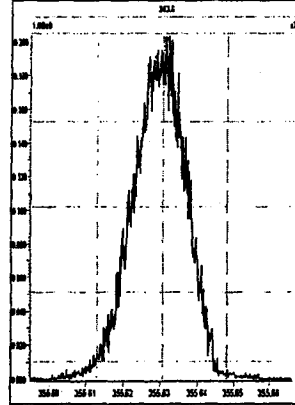
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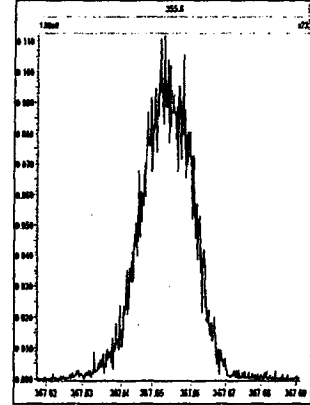
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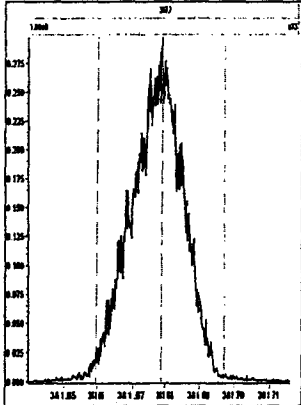
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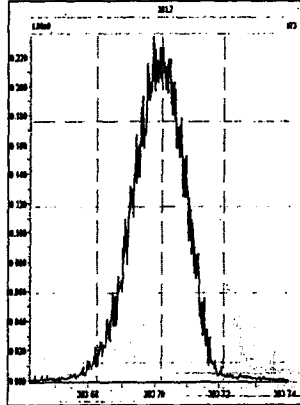
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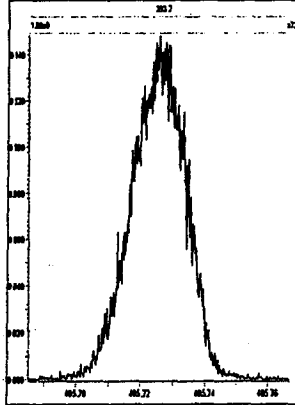
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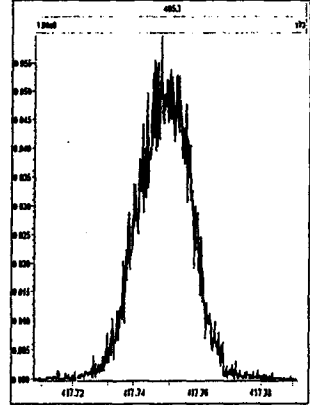
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M 404.9760 R 11110



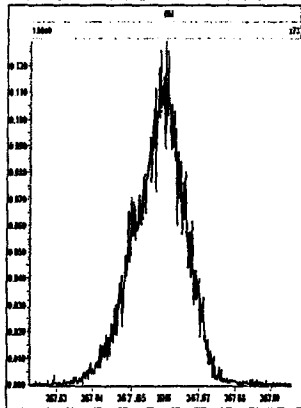
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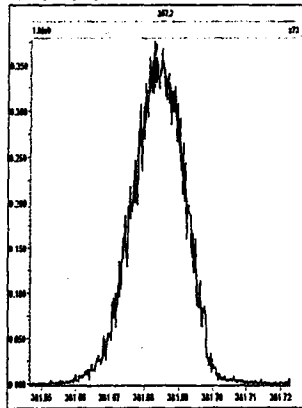
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Printed: Thursday, December 31, 2009 08:19:50 Pacific Standard Time

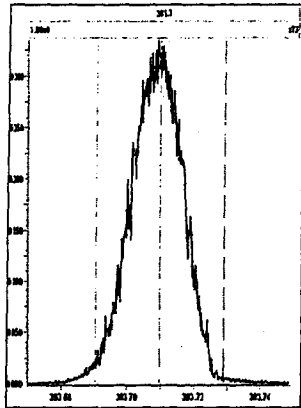
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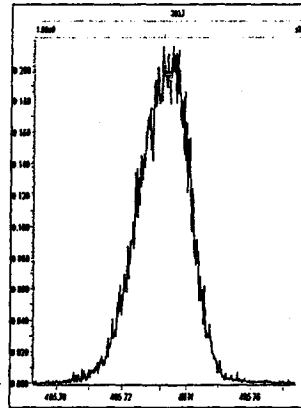
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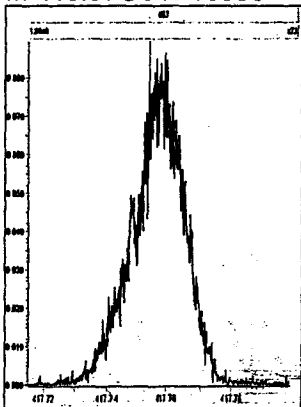
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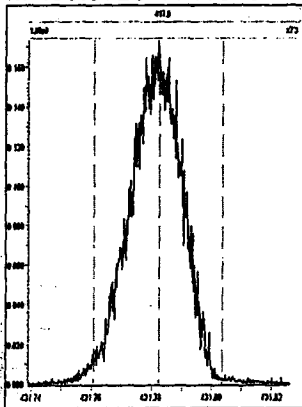
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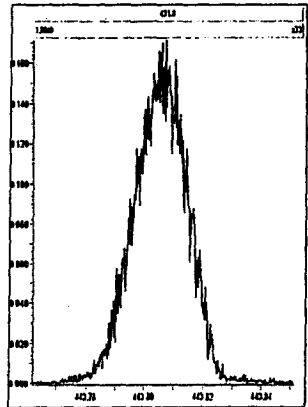
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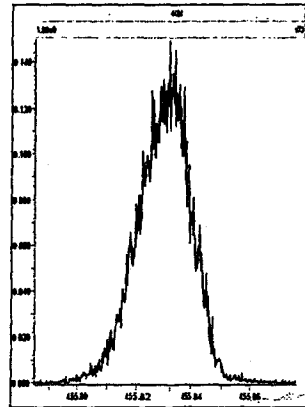
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M 442.9728 R 10774



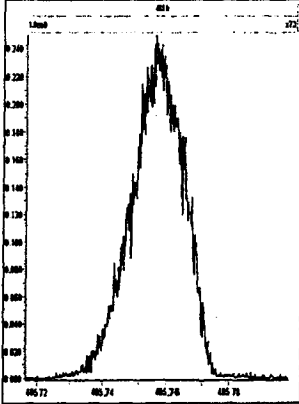
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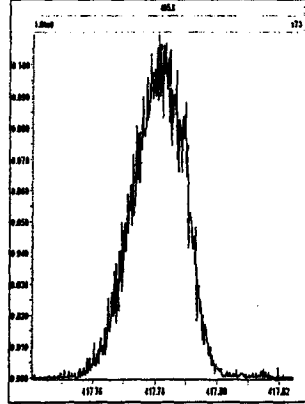
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Printed: Thursday, December 31, 2009 08:20:17 Pacific Standard Time

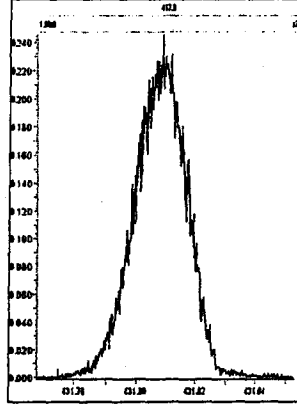
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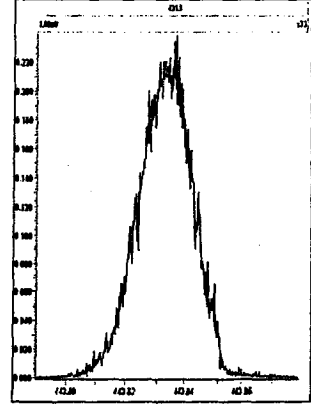
M 416.9760 R 11261



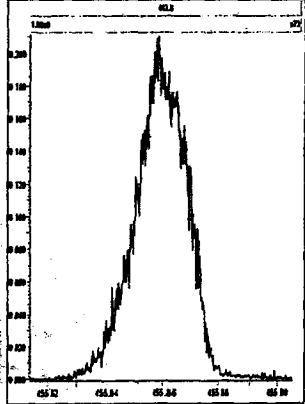
M 430.9728 R 10916



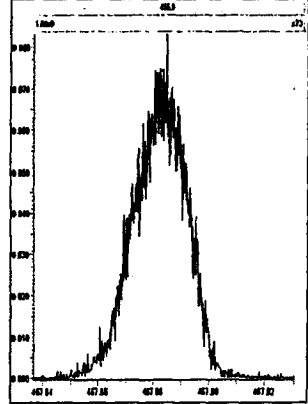
M 442.9728 R 11519



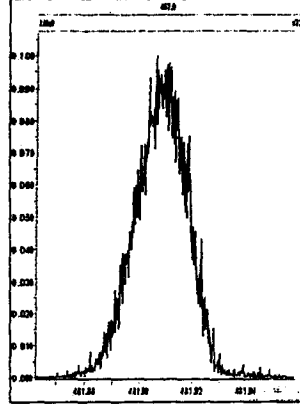
M 454.9728 R 11466



M 466.9728 R 11793



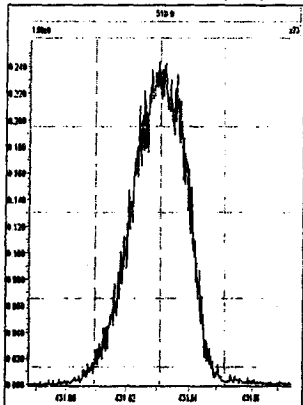
M 480.9696 R 11309



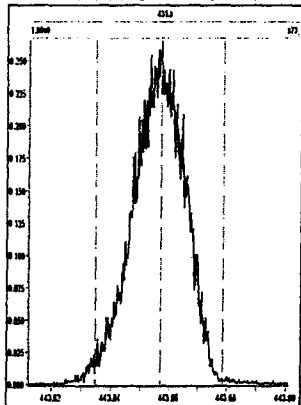
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, December 31, 2009 08:20:54 Pacific Standard Time

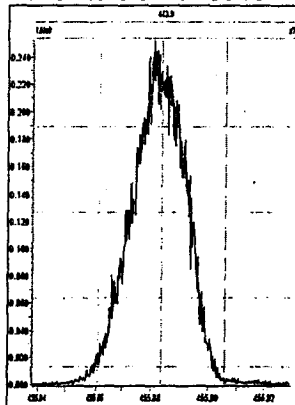
M 430.9728 R 10965



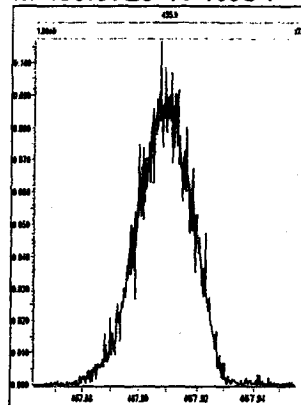
M 442.9728 R 10916



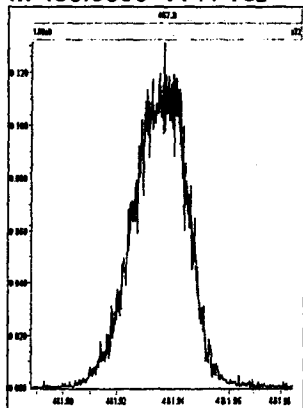
M 454.9728 R 10915



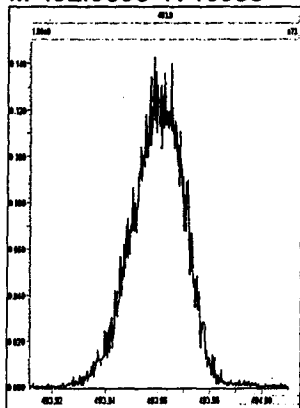
M 466.9728 R 10681



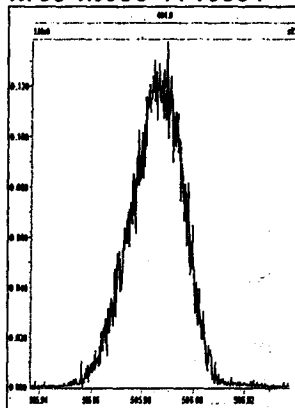
M 480.9696 R 11162



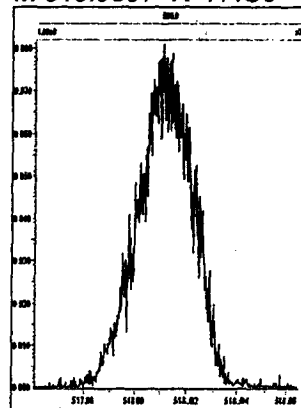
M 492.9696 R 10965



M 504.9696 R 10504



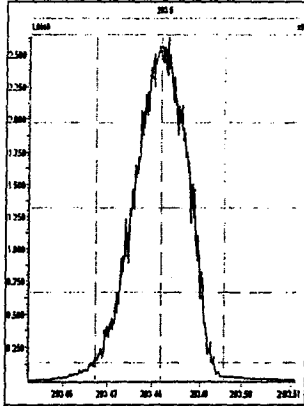
M 516.9697 R 11463



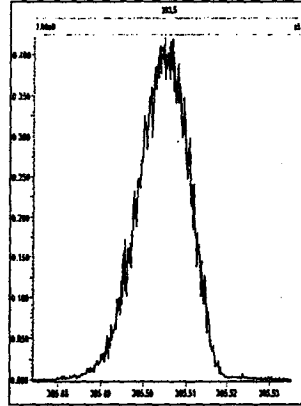
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:33:01 Pacific Standard Time

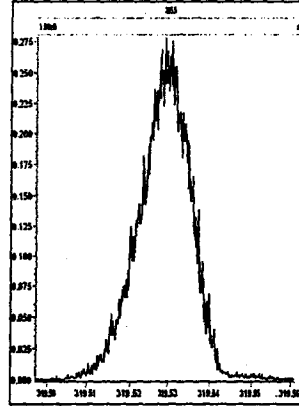
M 292.9824 R 11162



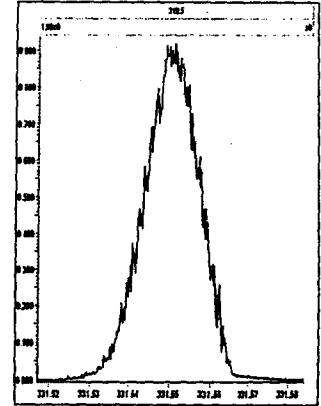
M 304.9824 R 11062



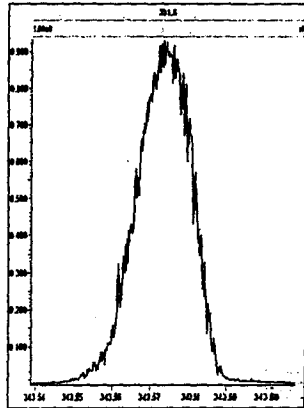
M 318.9792 R 11013



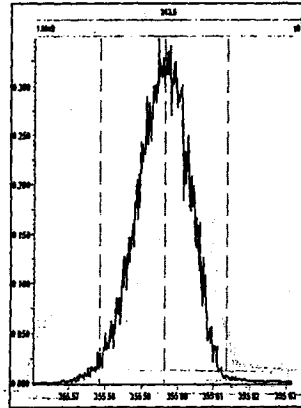
M 330.9792 R 10592



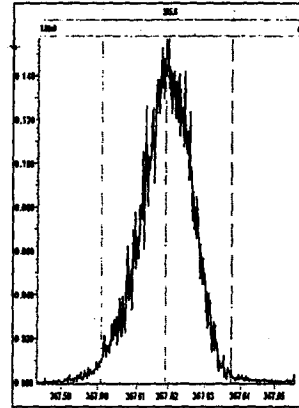
M 342.9792 R 10920



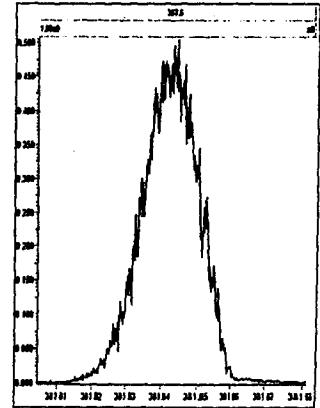
M 354.9792 R 11113



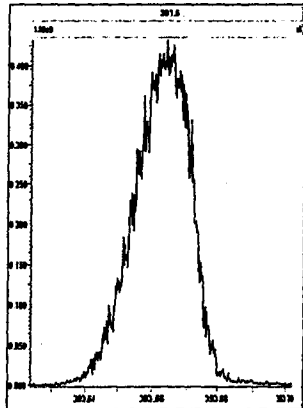
M 366.9792 R 10870



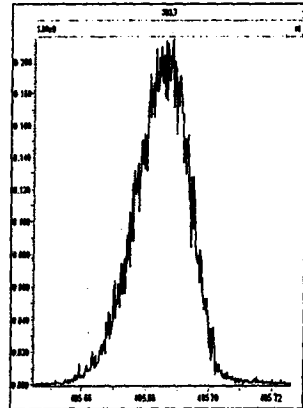
M 380.9760 R 10961



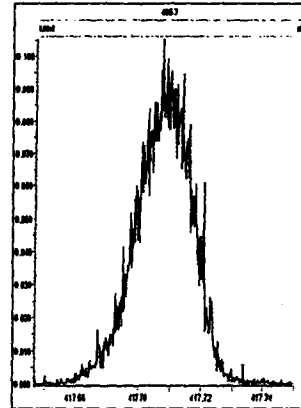
M 392.9760 R 10683



M 404.9760 R 10248



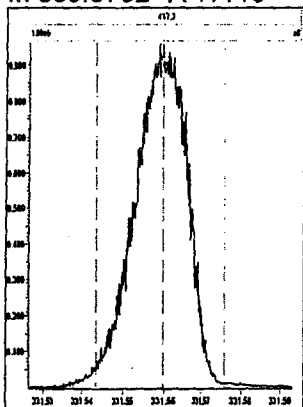
M 416.9760 R 10289



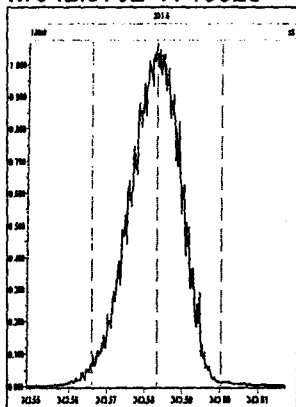
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:34:31 Pacific Standard Time

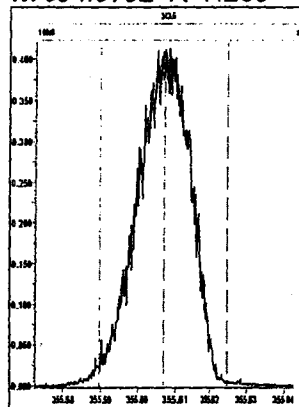
M 330.9792 R 11110



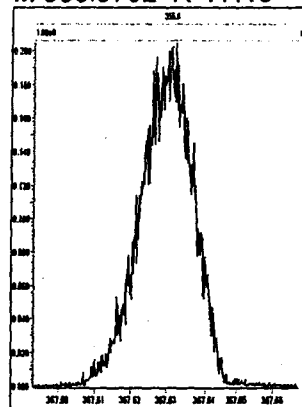
M 342.9792 R 10920



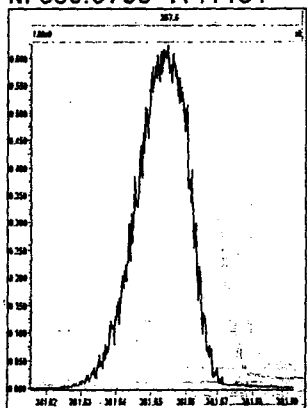
M 354.9792 R 11208



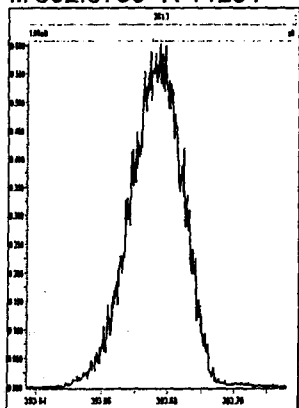
M 366.9792 R 11416



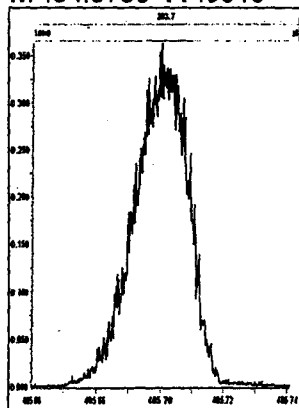
M 380.9760 R 11161



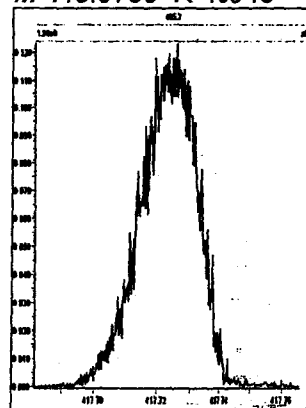
M 392.9760 R 11261



M 404.9760 R 10916



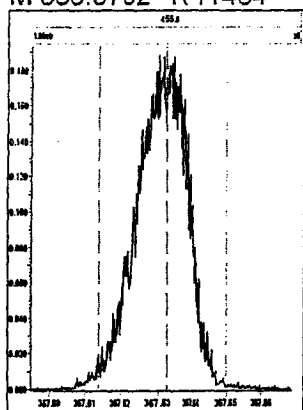
M 416.9760 R 10546



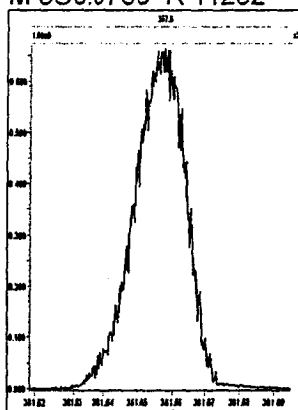
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:36:49 Pacific Standard Time

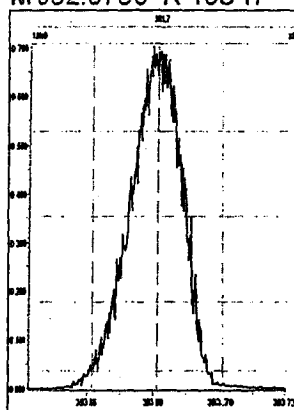
M 366.9792 R 11464



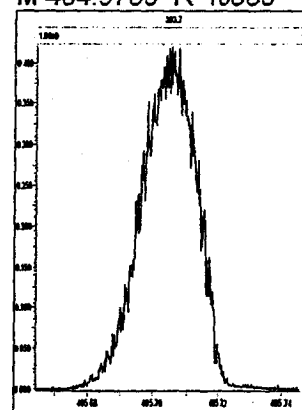
M 380.9760 R 11262



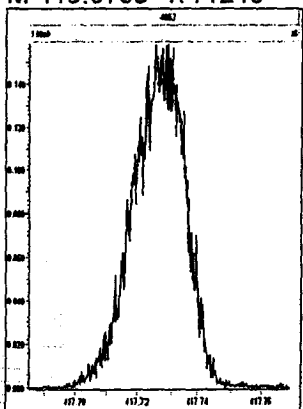
M 392.9760 R 10917



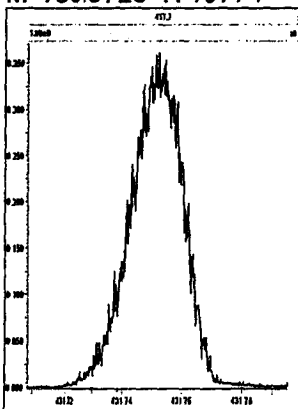
M 404.9760 R 10683



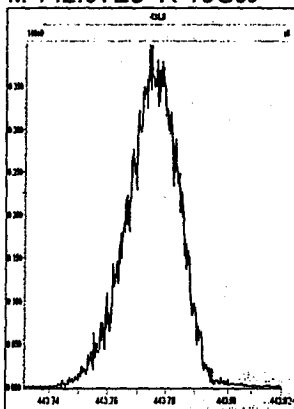
M 416.9760 R 11213



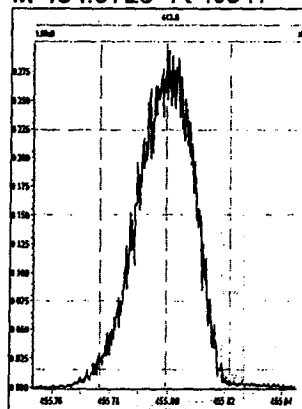
M 430.9728 R 10774



M 442.9728 R 10866



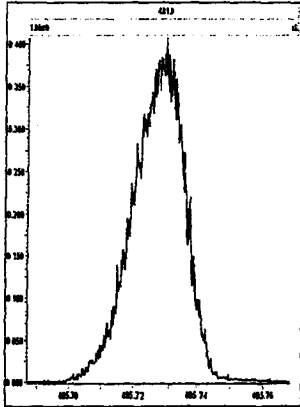
M 454.9728 R 10917



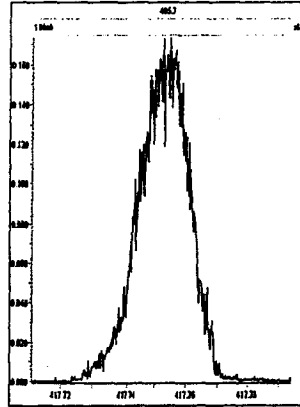
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:38:32 Pacific Standard Time

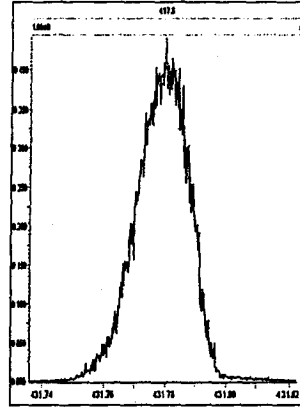
M 404.9760 R 10916



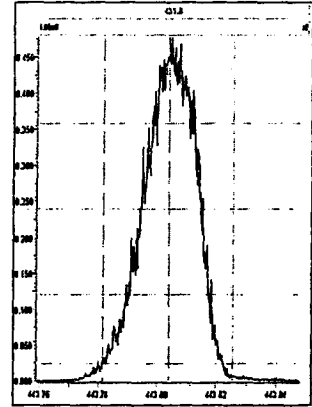
M 416.9760 R 11681



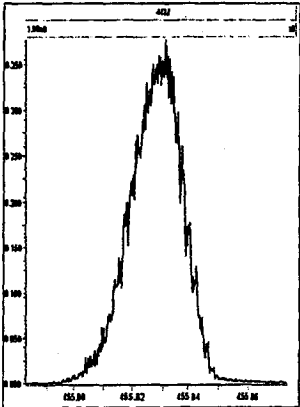
M 430.9728 R 11012



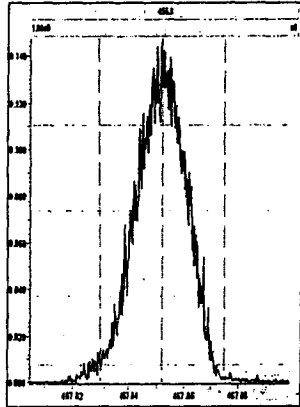
M 442.9728 R 10731



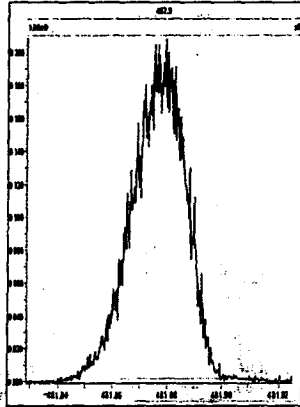
M 454.9728 R 10870



M 466.9728 R 11468



M 480.9696 R 10729

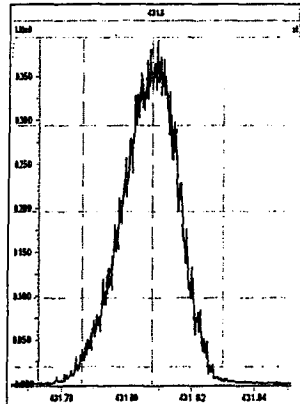




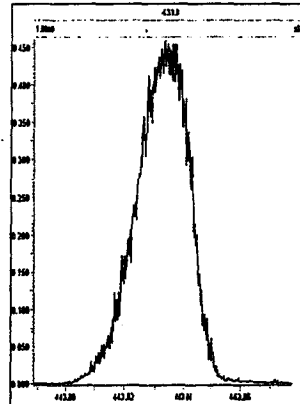
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:39:20 Pacific Standard Time

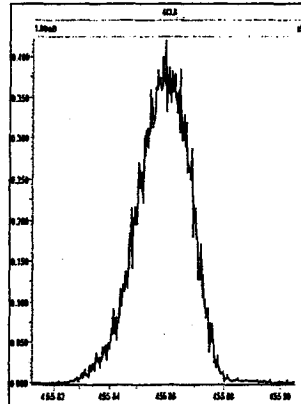
M 430.9728 R 11061



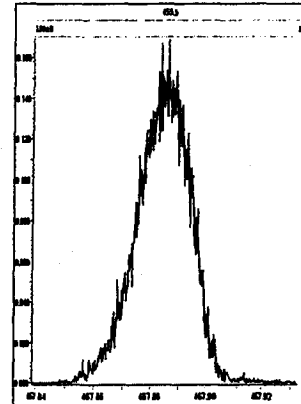
M 442.9728 R 10774



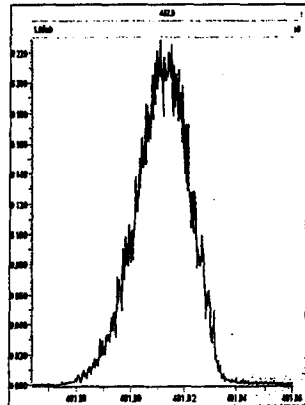
M 454.9728 R 10595



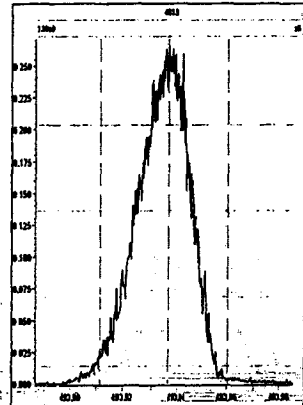
M 466.9728 R 11014



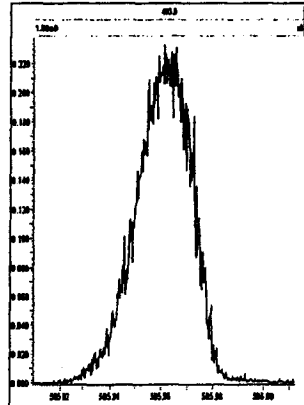
M 480.9696 R 10505



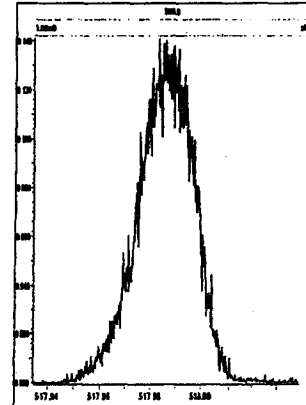
M 492.9696 R 10504

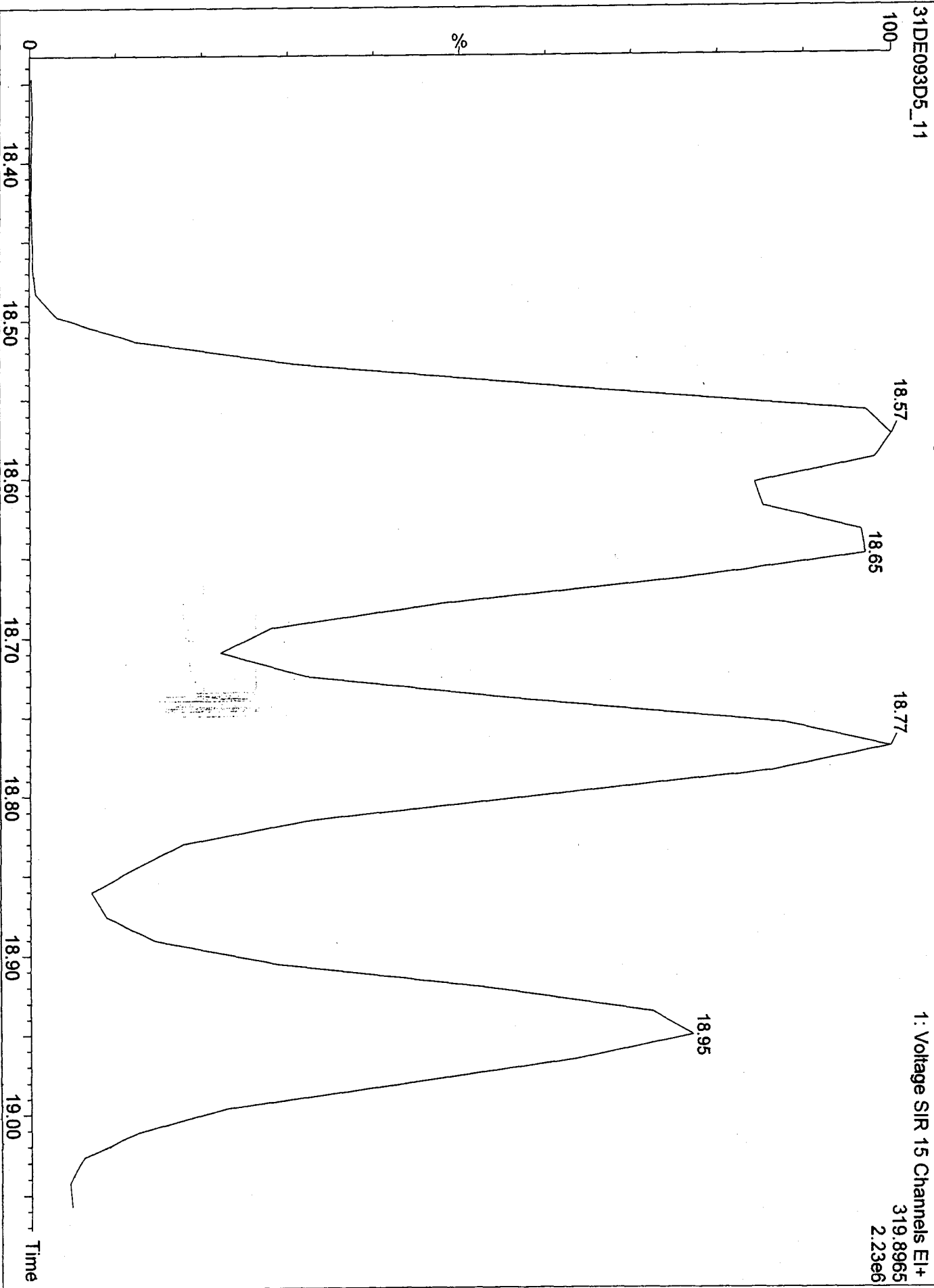


M 504.9696 R 10869



M 516.9697 R 10871





Dataset: C:\MassLynx\Default\pro131DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
 Printed: Monday, January 04, 2010 10:57:45 Pacific Standard Time

Method: C:\MassLynx\Default\PRO1MethodB16133D5.mdb 04 Jan 2010 10:11:47  
 Calibration: C:\MassLynx\Default\PRO1CurvDB1CA123120093D51613.cdb 04 Jan 2010 10:06:26

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF	M	Ads Resp	Conc	EMPC	%Rec	EDL	Ratio	Ptd.Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	18.54	18.53	1.000		1066948.84	2000.0000	2000.0000	100.0	2.1118	0.820	0.770	NO	
2	3 13C-2,3,7,8-TCDF	315.9419	17.98	18.01	1.554		1712789.94	2066.2115	2066.2115	103.3	1.5189	0.809	0.770	NO	
4	2,3,7,8-TCDF	303.9016	18.00	18.00	1.009		161177.95	186.5371	186.5371		0.5204	0.818	0.770	NO	
5	Total TCDFs	303.9016	1.000	21.44	1.009			186.5371	186.5371		0.5204				
6	7 13C-2,3,7,8-TCDD	331.9368	18.74	18.74	0.937		1059406.47	2120.4276	2120.4276	106.0	2.2549	0.796	0.770	NO	
8	2,3,7,8-TCDD	319.8965	18.75	18.77	1.132		113366.15	189.1262	189.1262		0.6492	0.785	0.770	NO	
9	Total TCDDs	319.8965	1.000	22.69	1.132			189.1262	189.1262		0.6492				
10	11 37CL-2,3,7,8-TCDD	327.8847	18.75	18.77	1.137		130237.05	214.7136	0.0000	107.4	0.4963				
12	13 13C-1,2,3,7,8-PeCDF	351.9000	23.35	23.35	1.215		1365433.44	2106.0024	2106.0024	105.3	4.4858	1.587	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	23.37	23.38	1.031		342023.53	486.0103	486.0103		1.3910	1.597	1.550	NO	
15	13C-2,3,4,7,8-PeCDF	351.9000	24.75	24.76	1.162		1308203.25	2110.6471	2110.6471	105.5	4.6924	1.588	1.550	NO	
16	2,3,4,7,8-PeCDF	339.8597	24.79	24.78	1.009		315626.23	478.1879	478.1879		1.5357	1.567	1.550	NO	
17	Total F2 PeCDFs	339.8597	1.000	34.47	1.020			964.1982	964.1982		1.4614				
18	Total F1 PeCDFs	339.8597	1.000	36.56	1.020			0.1380	0.0586		0.4218				
19	20 13C-1,2,3,7,8-PeCDD	367.8949	25.53	25.53	0.747		837136.19	2099.6740	2099.6740	105.0	3.1501	1.627	1.550	NO	
21	1,2,3,7,8-PeCDD	355.8546	25.56	25.57	1.057		208896.13	472.2864	472.2864		1.7729	1.565	1.550	NO	
22	Total PeCDDs	355.8546	1.000	31.10	1.057			472.2864	472.2864		1.7729				
23	24 13C-1,2,3,7,8,9-HxCDD	401.8559	32.62	32.63	1.000		840037.28	2000.0000	2000.0000	100.0	2.6101	1.400	1.240	NO	
25	26 13C-1,2,3,4,7,8-HxCDF	383.8639	31.27	31.27	0.918		923643.31	2395.8349	2395.8349	119.8	5.3192	0.506	0.510	NO	
27	1,2,3,4,7,8-HxCDF	373.8208	31.29	31.29	1.243		268153.58	467.2708	467.2708		1.4546	1.213	1.240	NO	
28	13C-1,2,3,6,7,8-HxCDF	383.8639	31.41	31.41	1.187		12188976.28	2445.4451	2445.4451	122.3	4.1139	0.528	0.510	NO	
29	1,2,3,6,7,8-HxCDF	373.8208	31.43	31.43	1.142		325230.11	467.1510	467.1510		1.3328	1.231	1.240	NO	
30	13C-2,3,4,6,7,8-HxCDF	363.8639	32.08	32.08	1.016		992183.03	2324.5818	2324.5818	116.2	4.8045	0.535	0.510	NO	
31	2,3,4,6,7,8-HxCDF	373.8208	32.09	32.09	1.190		278103.55	471.2123	471.2123		1.3581	1.289	1.240	NO	

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
 Printed: Monday, January 04, 2010 10:57:45 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300, Task:

# Name	Trace	Sample Size	RT	Pd/RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Pd/Ratio	Ratio	Mod Date
32 13C-1,2,3,7,8,9-HxCDF	383.8639	1.000	32.79	32.79	1.018		888742.63	2078.4664	2078.4664	103.9	4.7958	0.522	0.510	NO	
33 1,2,3,7,8,9-HxCDF	373.8208	1.000	32.81	32.81	1.126		248286.28	496.2449	496.2449		1.7126	1.365	1.240	NO	
34 Total HxCDFs	373.8208	1.000		0.00	1.175			1901.8790	1901.8790		1.4471				
35															
36 13C-1,2,3,4,7,8-HxCDD	401.8559	1.000	32.24	32.24	0.718		673843.38	2234.9032	2234.9032	111.7	3.6360	1.300	1.240	NO	
37 1,2,3,4,7,8-HxCDD	389.8157	1.000	32.25	32.25	1.057		179712.40	504.5166	504.5166		1.5332	1.272	1.240	NO	
38 13C-1,2,3,6,7,8-HxCDD	401.8559	1.000	32.33	32.33	0.810		847160.59	2489.9660	2489.9660	124.5	3.2222	1.308	1.240	NO	
39 1,2,3,6,7,8-HxCDD	389.8157	1.000	32.34	32.34	1.182		292090.67	463.6093	463.6093		1.3176	1.264	1.240	NO	
40 1,2,3,7,8,9-HxCDD	389.8157	1.000	32.63	32.62	1.364		210826.04	406.5224	406.5224		1.1625	1.241	1.240	NO	
41 Total HxCDDs	389.8157	1.000		0.00	1.201			1374.6482	1374.6482		1.3201				
42															
43 13C-1,2,3,4,6,7,8-HpCDF	417.8253	1.000	34.16	34.16	0.815		754409.53	2204.4010	2204.4010	110.2	12.0478	0.436	0.440	NO	
44 1,2,3,4,6,7,8-HpCDF	407.7818	1.000	34.18	34.18	1.364		246718.95	479.3936	479.3936		2.4607	1.014	1.040	NO	
45 13C-1,2,3,4,7,8,9-HpCDF	417.8253	1.000	35.28	35.28	0.667		586461.66	2094.7122	2094.7122	104.7	14.7268	0.469	0.440	NO	
46 1,2,3,4,7,8,9-HpCDF	407.7818	1.000	35.30	35.28	1.362		190674.20	477.5916	477.5916		4.0540	1.055	1.040	NO	
47 Total HpCDFs	407.7818	1.000		0.00	1.363			956.9852	956.9852		3.1572				
48															
49 13C-1,2,3,4,6,7,8-HpCDD	435.8169	1.000	34.98	34.97	0.711		634049.66	2123.3684	2123.3684	106.2	12.0746	1.080	1.040	NO	
50 1,2,3,4,6,7,8-HpCDD	423.7766	1.000	34.99	34.99	1.043		158412.43	479.0310	479.0310		2.5484	1.073	1.040	NO	
51 Total HpCDDs	423.7766	1.000		0.00	1.043			479.0310	479.0310		2.5464				
52															
53 13C-OCDD	469.7779	1.000	37.44	37.43	0.517		887719.00	4084.7112	4084.7112	102.1	12.5247	0.943	0.890	NO	
54 OCDF	441.7428	1.000	37.54	37.54	1.413		295313.45	941.8005	941.8005		4.5476	0.978	0.890	NO	
55 OCDD	457.7377	1.000	37.45	37.45	1.206		249846.99	933.8515	933.8515		3.8918	0.871	0.890	NO	
56															
57															
58 Function 1 PFK	330.97920	1.000	17.38	17.33	14433...		10697.79	0.7412		74.1	1.3264				
59 Function 3 PFK	380.97600	1.000		31.80	2690.7...						0.0000				
60 Function 2 PFK	342.97920	1.000	26.29	26.26	6523.0...		5050.04	0.7742		77.4	2.1924				
61 Function 4 PFK	430.97290	1.000	34.55	34.60	4976.1...		3729.16	0.7494		74.9	2.3327				
62 Function 5 PFK	442.97280	1.000	39.86	39.82	5611.1...		13594.92	2.4228		242.3	3.4365				
63 TCDF PCDFE	375.8364	1.000	20.06	20.06	40.321		51.51	1.2775		127.8	0.2318				
64 F1 PeCDF PCDFE	409.79740	1.000		18.24	63.097						0.0000				
65 F2 PeCDF PCDFE	409.7974	1.000		21.71	48.006						0.0000				
66 HxCDF PCDFE	445.7555	1.000	33.25	33.31	2.541		8.51	3.3499		335.0	4.9540				

MassLynx 4.1

Quantify Sample Summary Report

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:57:45 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF.M	Abs.Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio	Mod Date
67 HPCDF PCDPE	479.7165	1.000	35.91	35.84	34.039	22.01	0.6466		64.7	0.2362				
68 OCDF PCDPE	513.67750	1.000	38.96	38.98	1.599	58.85	36.7960		367...	6.2463				

## Daily Calibration Checklist Dioxin Methods

Method ID 8290

Associated ICAL ICA123120093D58290

Column ID DB5

Instrument ID 3D5

STD ID ST0104A, ST0104B

STD Solution 09DXN425

Analyzed by JRB

Date Analyzed 01/04/10, 01/04/10

Std. Pkg. By JRB

Date Std. Pkg. Assembled 01/05/10

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 01/05/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ 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.

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc	%Dev	%Rec	Mod.D.	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	728495	18.57	18.57	1.00000	1.00000	100.00	0.0	100.0		0.771	NO
2												
3	13C-2,3,7,8-TCDF	1081215	18.01	17.98	1.55387	1.48418	95.51	-4.5	95.5		0.776	NO
4	2,3,7,8-TCDF	98882	18.03	18.03	1.00894	0.91455	9.06	-9.4	90.6		0.743	NO
5	Total TCDFs			21.44	1.00894		9.06					
6												
7	13C-2,3,7,8-TCDD	697697	18.77	18.77	0.93654	0.95772	102.26	2.3	102.3		0.720	NO
8	2,3,7,8-TCDD	75517	18.78	18.79	1.13162	1.08237	9.56	-4.4	95.6		0.769	NO
9	Total TCDDs			19.55	1.13162		9.56					
10												
11	37CL-2,3,7,8-TCDD	82570	18.78	18.79	1.13700	1.13343	9.97	-0.3	99.7			
12												
13	13C-1,2,3,7,8-PeCDF	775130	23.39	23.37	1.21534	1.06402	87.55	-12.5	87.5		1.669	NO
14	1,2,3,7,8-PeCDF	398025	23.41	23.41	1.03079	1.02699	49.82	-0.4	99.6		1.562	NO
15	2,3,4,7,8-PeCDF	363643	24.83	24.82	0.96399	0.93828	48.67	-2.7	97.3		1.549	NO
16	Total F2 PeCDFs			34.47	0.99739		98.48					
17	Total F1 PeCDFs			36.56	0.99739		0.02					
18												
19	13C-1,2,3,7,8-PeCDD	525055	25.59	25.55	0.74736	0.72074	96.44	-3.6	96.4		1.601	NO
20	1,2,3,7,8-PeCDD	262881	25.61	25.61	1.05672	1.00135	47.38	-5.2	94.8		1.571	NO
21	Total PeCDDs			31.10	1.05672		47.38					
22												
23	13C-1,2,3,7,8,9-HxCDD	604479	32.63	32.61	1.00000	1.00000	100.00	0.0	100.0		1.271	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	547049	31.29	31.29	0.91641	0.90499	98.75	-1.2	98.8		0.508	NO
26	1,2,3,4,7,8-HxCDF	331994	31.32	31.30	1.24280	1.21376	48.83	-2.3	97.7		1.258	NO
27	1,2,3,6,7,8-HxCDF	421288	31.45	31.43	1.49624	1.54022	51.47	2.9	102.9		1.185	NO
28	2,3,4,6,7,8-HxCDF	371230	32.10	32.10	1.31114	1.35721	51.76	3.5	103.5		1.235	NO
29	1,2,3,7,8,9-HxCDF	339244	32.83	32.84	1.29097	1.24027	48.04	-3.9	96.1		1.236	NO
30	Total HxCDFs			0.00	1.33529		200.09					
31												
32	13C-1,2,3,6,7,8-HxCDD	554190	32.34	32.35	0.80919	0.91680	113.30	13.3	113.3		1.281	NO
33	1,2,3,4,7,8-HxCDD	240687	32.26	32.25	0.93261	0.86861	46.57	-6.9	93.1		1.242	NO
34	1,2,3,6,7,8-HxCDD	308144	32.36	32.35	1.18024	1.11205	47.11	-5.8	94.2		1.270	NO
35	1,2,3,7,8,9-HxCDD	315674	32.65	32.63	1.28282	1.13923	44.40	-11.2	88.8		1.266	NO
36	Total HxCDDs			0.00	1.13189		138.08					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	527264	34.19	34.18	0.81080	0.87226	107.58	7.6	107.6		0.442	NO
39	1,2,3,4,6,7,8-HpCDF	348902	34.19	34.20	1.36387	1.32344	48.52	-3.0	97.0		1.049	NO
40	1,2,3,4,7,8,9-HpCDF	291099	35.31	35.32	1.11483	1.10419	49.52	-1.0	99.0		1.039	NO
41	Total HpCDFs			0.00	1.23935		99.16					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	507906	34.99	34.99	0.70743	0.84024	118.77	18.8	118.8		1.037	NO
44	1,2,3,4,6,7,8-HpCDD	243877	35.00	34.99	1.04312	0.96032	46.03	-7.9	92.1		0.996	NO
45	Total HpCDDs			0.02	1.04312		46.03					

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc	%Dev	%Rec	Mod.D	Ratio	Ratio Flag
47	13C-OCDD	756862	37.45	37.44	0.51880	0.62604	241.35	20.7	120.7		0.928	NO
48	OCDF	488558	37.57	37.57	1.40213	1.29101	92.08	-7.9	92.1		0.888	NO
49	OCDD	441443	37.46	37.46	1.19691	1.16651	97.46	-2.5	97.5		0.891	NO
50												
51												
52	Function 1 PFK	14167	14.28	14.26			14167....					
53	Function 2 PFK			22.48			16743....					
54	Function 3 PFK			29.28			7909.2...					
55	Function 4 PFK			34.81			14980....					
56	Function 5 PFK	1430	39.36	39.31	3947.9...	1430.4...	0.36	-63.8	36.2			
57	TCDF PCDPE			15.01			30.012...					
58	F1 PeCDF PCDPE	23	18.65	18.68	45.972...	22.818...	0.50	-50.4	49.6			
59	F2 PeCDF PCDPE	19	22.06	22.10	17.774...	19.453...	1.09	9.4	109.4			
60	HXCDF PCDPE	116	32.97	33.02	18.611...	115.93...	6.23	522.9	622.9			
61	HPCDF PCDPE	94	35.31	35.33	75.501...	94.181...	1.25	24.7	124.7			
62	OCDF PCDPE	28	37.60	37.54	85.061...	28.213...	0.33	-66.8	33.2			



Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 15:48:51 Pacific Standard Time

Printed: Tuesday, January 05, 2010 15:49:18 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

#	Name	Response	RT	Pred. RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod. D	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	654929	18.57	18.59	1.00000	1.00000	100.00	0.0	100.0		0.804	NO
2												
3	13C-2,3,7,8-TCDF	1023762	18.03	17.98	1.55387	1.56316	100.60	0.6	100.6		0.823	NO
4	2,3,7,8-TCDF	94259	18.04	18.04	1.00894	0.92071	9.13	-8.7	91.3		0.739	NO
5	Total TCDFs			21.44	1.00894		9.13					
6												
7	13C-2,3,7,8-TCDD	653270	18.78	18.77	0.93654	0.99747	106.51	6.5	106.5		0.784	NO
8	2,3,7,8-TCDD	67033	18.80	18.79	1.13162	1.02611	9.07	-9.3	90.7		0.815	NO
9	Total TCDDs			19.55	1.13162		9.07					
10												
11	37CL-2,3,7,8-TCDD	72228	18.80	18.79	1.13700	1.10284	9.70	-3.0	97.0			
12												
13	13C-1,2,3,7,8-PeCDF	709271	23.40	23.37	1.21534	1.08297	89.11	-10.9	89.1		1.601	NO
14	1,2,3,7,8-PeCDF	354074	23.42	23.42	1.03079	0.99842	48.43	-3.1	96.9		1.571	NO
15	2,3,4,7,8-PeCDF	337007	24.84	24.83	0.96399	0.95029	49.29	-1.4	98.6		1.588	NO
16	Total F2 PeCDFs			34.47	0.99739		97.72					
17	Total F1 PeCDFs			36.56	0.99739		0.09					
18												
19	13C-1,2,3,7,8-PeCDD	465871	25.59	25.55	0.74736	0.71133	95.18	-4.8	95.2		1.587	NO
20	1,2,3,7,8-PeCDD	237505	25.61	25.61	1.05672	1.01962	48.24	-3.5	96.5		1.576	NO
21	Total PeCDDs			31.10	1.05672		48.24					
22												
23	13C-1,2,3,7,8,9-HxCDD	549194	32.65	32.61	1.00000	1.00000	100.00	0.0	100.0	05-Jan...	1.318	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	478772	31.30	31.31	0.91641	0.87177	95.13	-4.9	95.1		0.499	NO
26	1,2,3,4,7,8-HxCDF	288115	31.32	31.31	1.24280	1.20356	48.42	-3.2	96.8		1.258	NO
27	1,2,3,6,7,8-HxCDF	358773	31.46	31.45	1.49624	1.49872	50.08	0.2	100.2		1.263	NO
28	2,3,4,6,7,8-HxCDF	313216	32.12	32.11	1.31114	1.30842	49.90	-0.2	99.8		1.274	NO
29	1,2,3,7,8,9-HxCDF	312548	32.83	32.85	1.29097	1.30562	50.57	1.1	101.1		1.293	NO
30	Total HxCDFs			0.00	1.33529		198.97					
31												
32	13C-1,2,3,6,7,8-HxCDD	470234	32.35	32.37	0.80919	0.85622	105.81	5.8	105.8		1.372	NO
33	1,2,3,4,7,8-HxCDD	190803	32.28	32.26	0.93261	0.81152	43.51	-13.0	87.0		1.189	NO
34	1,2,3,6,7,8-HxCDD	269121	32.36	32.36	1.18024	1.14463	48.49	-3.0	97.0		1.241	NO
35	1,2,3,7,8,9-HxCDD	273743	32.66	32.64	1.28282	1.16429	45.38	-9.2	90.8		1.163	NO
36	Total HxCDDs			0.00	1.13189		137.38					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	420446	34.19	34.19	0.81080	0.76557	94.42	-5.6	94.4		0.438	NO
39	1,2,3,4,6,7,8-HpCDF	277621	34.20	34.20	1.36387	1.32060	48.41	-3.2	96.8		1.019	NO
40	1,2,3,4,7,8,9-HpCDF	233807	35.32	35.32	1.11483	1.11219	49.88	-0.2	99.8		1.018	NO
41	Total HpCDFs			0.00	1.23935		98.29					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	401727	34.99	35.01	0.70743	0.73148	103.40	3.4	103.4		1.013	NO
44	1,2,3,4,6,7,8-HpCDD	198382	35.00	34.99	1.04312	0.98765	47.34	-5.3	94.7		1.057	NO
45	Total HpCDDs			0.02	1.04312		47.34					

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 15:48:51 Pacific Standard Time

Printed: Tuesday, January 05, 2010 15:49:18 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

# Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
47 13C-OCDD	593890	37.45	37.45	0.51880	0.54069	208.44	4.2	104.2		0.914	NO
48 OCDF	418114	37.56	37.57	1.40213	1.40805	100.42	0.4	100.4		0.934	NO
49 OCDD	349864	37.46	37.46	1.19691	1.17821	98.44	-1.6	98.4		0.850	NO
50											
51											
52 Function 1 PFK			14.26								
53 Function 2 PFK			22.48	16743....							
54 Function 3 PFK			29.28	7909.2...							
55 Function 4 PFK	2884	34.72	34.81	14980....	2884.4...	0.19	-80.7	19.3			
56 Function 5 PFK			39.31	3947.9...							
57 TCDF PCDPE			15.01	30.012...							
58 F1 PeCDF PCDPE	24	18.65	18.68	45.972...	23.591...	0.51	-48.7	51.3			
59 F2 PeCDF PCDPE	0	22.06	22.10	17.774...	0.40000	0.02	-97.7	2.3			
60 HXCDF PCDPE	22	33.11	33.02	18.611...	22.234...	1.19	19.5	119.5			
61 HPCDF PCDPE	25	35.39	35.33	75.501...	25.111...	0.33	-66.7	33.3			
62 OCDF PCDPE	8	37.52	37.54	85.061...	8.00600	0.09	-90.6	9.4			

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

\_ast Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

# Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D	Ratio	Ratio Flag
1 13C-1,2,3,4-TCDD	654929	18.57	18.59	1.00000	1.00000	100.00	0.0	100.0		0.804	NO
2											
3 13C-2,3,7,8-TCDF	1023762	18.03	17.98	1.55387	1.56316	100.60	0.6	100.6		0.823	NO
4 2,3,7,8-TCDF	94259	18.04	18.04	1.00894	0.92071	9.13	-8.7	91.3		0.739	NO
5 Total TCDFs			21.44	1.00894		9.13					
6											
7 13C-2,3,7,8-TCDD	653270	18.78	18.77	0.93654	0.99747	106.51	6.5	106.5		0.784	NO
8 2,3,7,8-TCDD	67033	18.80	18.79	1.13162	1.02611	9.07	-9.3	90.7		0.815	NO
9 Total TCDDs			19.55	1.13162		9.07					
10											
11 37CL-2,3,7,8-TCDD	72228	18.80	18.79	1.13700	1.10284	9.70	-3.0	97.0			
12											
13 13C-1,2,3,7,8-PeCDF	709271	23.40	23.37	1.21534	1.08297	89.11	-10.9	89.1		1.601	NO
14 1,2,3,7,8-PeCDF	354074	23.42	23.42	1.03079	0.99842	48.43	-3.1	96.9		1.571	NO
15 2,3,4,7,8-PeCDF	337007	24.84	24.83	0.96399	0.95029	49.29	-1.4	98.6		1.588	NO
16 Total F2 PeCDFs			34.47	0.99739		97.72					
17 Total F1 PeCDFs			36.56	0.99739		0.09					
18											
19 13C-1,2,3,7,8-PeCDD	465871	25.59	25.55	0.74736	0.71133	95.18	-4.8	95.2		1.587	NO
20 1,2,3,7,8-PeCDD	237505	25.61	25.61	1.05672	1.01962	48.24	-3.5	96.5		1.576	NO
21 Total PeCDDs			31.10	1.05672		48.24					
22											
23 13C-1,2,3,7,8,9-HxCDD	523897	32.65	32.61	1.00000	1.00000	100.00	0.0	100.0		1.475	YES
24											
25 13C-1,2,3,4,7,8-HxCDF	478772	31.30	31.31	0.91641	0.91387	99.72	-0.3	99.7		0.499	NO
26 1,2,3,4,7,8-HxCDF	288115	31.32	31.31	1.24280	1.20356	48.42	-3.2	96.8		1.258	NO
27 1,2,3,6,7,8-HxCDF	358773	31.46	31.45	1.49624	1.49872	50.08	0.2	100.2		1.263	NO
28 2,3,4,6,7,8-HxCDF	313216	32.12	32.11	1.31114	1.30842	49.90	-0.2	99.8		1.274	NO
29 1,2,3,7,8,9-HxCDF	312548	32.83	32.85	1.29097	1.30562	50.57	1.1	101.1		1.293	NO
30 Total HxCDFs			0.00	1.33529		198.97					
31											
32 13C-1,2,3,6,7,8-HxCDD	470234	32.35	32.37	0.80919	0.89757	110.92	10.9	110.9		1.372	NO
33 1,2,3,4,7,8-HxCDD	190803	32.28	32.26	0.93261	0.81152	43.51	-13.0	87.0		1.189	NO
34 1,2,3,6,7,8-HxCDD	269121	32.36	32.36	1.18024	1.14463	48.49	-3.0	97.0		1.241	NO
35 1,2,3,7,8,9-HxCDD	273743	32.66	32.64	1.28282	1.16429	45.38	-9.2	90.8		1.163	NO
36 Total HxCDDs			0.00	1.13189		137.38					
37											
38 13C-1,2,3,4,6,7,8-HpCDF	420446	34.19	34.19	0.81080	0.80253	98.98	-1.0	99.0		0.438	NO
39 1,2,3,4,6,7,8-HpCDF	277621	34.20	34.20	1.36387	1.32060	48.41	-3.2	96.8		1.019	NO
40 1,2,3,4,7,8,9-HpCDF	233807	35.32	35.32	1.11483	1.11219	49.88	-0.2	99.8		1.018	NO
41 Total HpCDFs			0.00	1.23935		98.29					
42											
43 13C-1,2,3,4,6,7,8-HpCDD	401727	34.99	35.01	0.70743	0.76680	108.39	8.4	108.4		1.013	NO
44 1,2,3,4,6,7,8-HpCDD	198382	35.00	34.99	1.04312	0.98765	47.34	-5.3	94.7		1.057	NO
45 Total HpCDDs			0.02	1.04312		47.34					
46											
47 13C-OCDD	593890	37.45	37.45	0.51880	0.56680	218.51	9.3	109.3		0.914	NO
48 OCDF	418114	37.57	37.57	1.40213	1.40805	100.42	0.4	100.4		0.934	NO
49 OCDD	349864	37.46	37.46	1.19691	1.17821	98.44	-1.6	98.4		0.850	NO

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D	Ratio	Ratio Flag
50												
51												
52	Function 1 PFK			14.26								
53	Function 2 PFK			22.48	16743...							
54	Function 3 PFK			29.28	7909.2...							
55	Function 4 PFK	2884	34.72	34.81	14980...	2884.4...	0.19	-80.7	19.3			
56	Function 5 PFK			39.31	3947.9...							
57	TCDF PCDPE			15.01	30.012...							
58	F1 PeCDF PCDPE	24	18.65	18.68	45.972...	23.591...	0.51	-48.7	51.3			
59	F2 PeCDF PCDPE	0	22.06	22.10	17.774...	0.40000	0.02	-97.7	2.3			
60	HXCDF PCDPE	22	33.11	33.02	18.611...	22.234...	1.19	19.5	119.5			
61	HPCDF PCDPE	25	35.39	35.33	75.501...	25.111...	0.33	-66.7	33.3			
62	OCDF PCDPE	8	37.52	37.54	85.061...	8.00600	0.09	-90.6	9.4			

Sample List: C:\MassLynx\Default.pro\Sampledb\04JA10A3D5.SPL  
 Last Modified: Tuesday, January 05, 2010 15:28:42 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 15:39:14 Pacific Standard Time

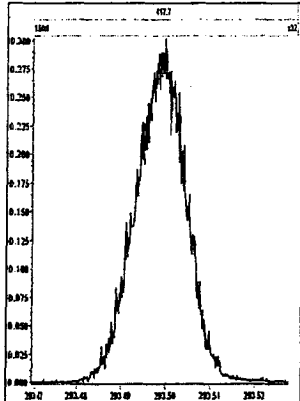
	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle
1	04JA10A3D5_1	CS-3 09DXN425	ST0104A	---	---	1.000000	---	Tray01:1
2	04JA10A3D5_2	DB5 CPSM 3732-04	CP0104	---	---	1.000000	---	Tray01:2
3	04JA10A3D5_3	Solvent Blank C-14	SB0104	---	---	1.000000	---	Tray01:3
4	04JA10A3D5_4	G9L210000-242C	LRN48-1-AC	8290/Solid	76	10.000000	g	Tray01:5
5	04JA10A3D5_5	G9K240493-1	LRL8H-1-AC	8290/Solid	75	10.190000	g	Tray01:6
6	04JA10A3D5_6	G9K240493-2	LRL8V-1-AC	8290/Solid	75	10.030000	g	Tray01:7
7	04JA10A3D5_7	G9L170538-1LCS	LRHL9-1-AC	8290/Solid	73	10.000000	g	Tray01:8
8	04JA10A3D5_8	G9L170538-1MB	LRHL9-1-AA	8290/Solid	73	10.000000	g	Tray01:9
9	04JA10A3D5_9	Solvent Blank C-14	SB0104A	---	---	1.000000	---	Tray01:4
10	04JA10A3D5_10	CS-3 09DXN425	ST0104B	---	---	1.000000	---	Tray01:1
11	04JA10A3D5_11	CS-3 09DXN425	ST0104C	---	---	1.000000	---	Tray01:1
12	04JA10A3D5_12	DB5 CPSM 3732-04	CP0104A	---	---	1.000000	---	Tray01:2
13	04JA10A3D5_13	Solvent Blank C-14	SB0104B	---	---	1.000000	---	Tray01:3
14	04JA10A3D5_14	G9L170538-1	LQ89Q-1-AC	8290/Solid	73	10.010000	g	Tray01:10
15	04JA10A3D5_15	G9L170538-2	LQ89T-1-AC	8290/Solid	73	10.360000	g	Tray01:11
16	04JA10A3D5_16	G9L170538-3	LQ89X-1-AC	8290/Solid	73	10.350000	g	Tray01:12
17	04JA10A3D5_17	G9L170538-4	LQ892-1-AC	8290/Solid	73	10.000000	g	Tray01:13
18	04JA10A3D5_18	G9L170538-5	LQ893-1-AC	8290/Solid	73	10.290000	g	Tray01:14
19	04JA10A3D5_19	G9L170538-6	LQ894-1-AC	8290/Solid	73	10.300000	g	Tray01:15
20	04JA10A3D5_20	G9L170538-7	LQ895-1-AC	8290/Solid	73	10.180000	g	Tray01:16
21	04JA10A3D5_21	G9L170538-8	LQ897-1-AC	8290/Solid	73	10.650000	g	Tray01:17
22	04JA10A3D5_22	G9L170538-9	LQ898-1-AC	8290/Solid	73	10.080000	g	Tray01:18
23	04JA10A3D5_23	G9L170538-10	LQ9AC-1-AC	8290/Solid	73	10.410000	g	Tray01:19
24	04JA10A3D5_24	Solvent Blank C-14	SB0104C	---	---	1.000000	---	Tray01:4
25	04JA10A3D5_25	DB5 CPSM 3732-04	CP0104B	---	---	1.000000	---	Tray01:2
26	04JA10A3D5_26	CS-3 09DXN425	ST0104D	---	---	1.000000	---	Tray01:1
27	04JA10A3D5_27	Solvent Blank C-14	SB0104D	---	---	1.000000	---	Tray01:3
28	04JA10A3D5_28	G9L170538-11	LQ9AD-1-AC	8290/Solid	73	10.000000	g	Tray01:20
29	04JA10A3D5_29	G9L170538-12	LQ9AE-1-AC	8290/Solid	73	10.010000	g	Tray01:21
30	04JA10A3D5_30	G9L170538-13	LQ9FH-1-AC	8290/Solid	73	10.070000	g	Tray01:22
31	04JA10A3D5_31	G9L170538-14	LQ9FJ-1-AC	8290/Solid	73	10.380000	g	Tray01:23
32	04JA10A3D5_32	G9L170538-15	LQ9FL-1-AC	8290/Solid	73	10.200000	g	Tray01:24
33	04JA10A3D5_33	G9L100559-6RXLCS RI	LRFN6-1-AC	8290/Solid	72	10.000000	g	Tray01:29
34	04JA10A3D5_34	G9L170538-16	LQ9FP-1-AC	8290/Solid	73	10.360000	g	Tray01:25
35	04JA10A3D5_35	G9L170538-16MS	LQ9FP-1-AD	8290/Solid	73	10.160000	g	Tray01:26
36	04JA10A3D5_36	G9L170538-16SD	LQ9FP-1-AE	8290/Solid	73	10.230000	g	Tray01:27
37	04JA10A3D5_37	G9L170538-19	LQ9FX-1-AC	8290/Solid	73	10.030000	g	Tray01:28
38	04JA10A3D5_38	Solvent Blank C-14	SB0104E	---	---	1.000000	---	Tray01:24
39	04JA10A3D5_39	CS-3 09DXN425	ST0104F	---	---	1.000000	---	Tray01:25



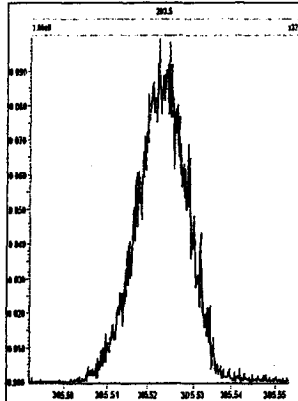
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, January 04, 2010 14:57:34 Pacific Standard Time

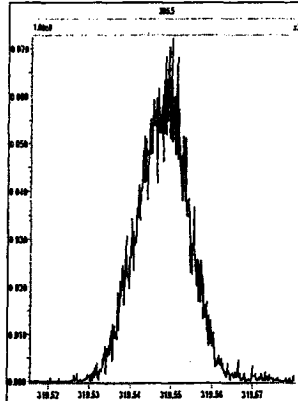
M 292.9824 R 11739



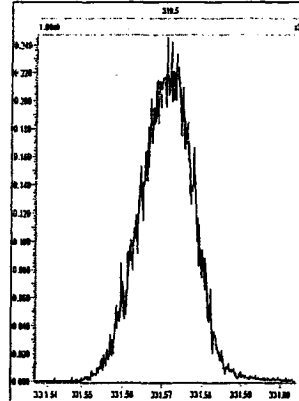
M 304.9824 R 11906



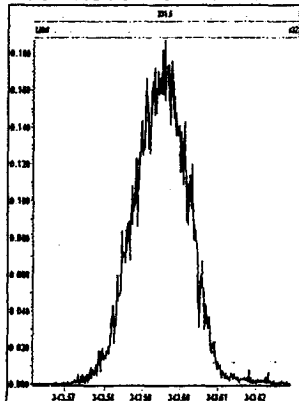
M 318.9792 R 11161



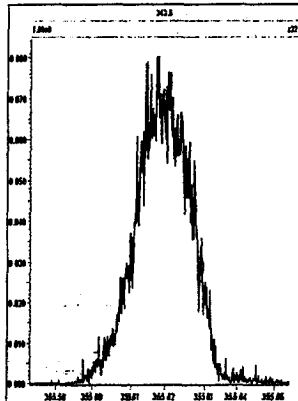
M 330.9792 R 10822



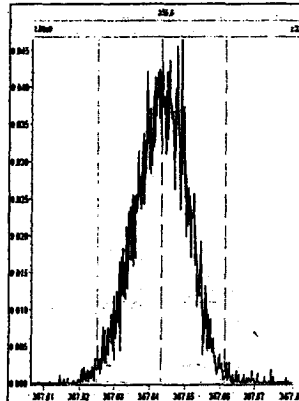
M 342.9792 R 11159



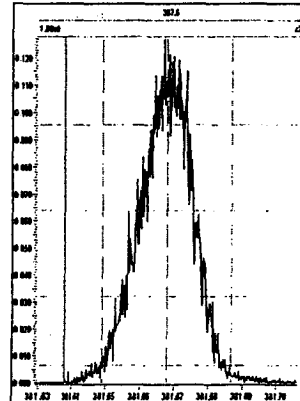
M 354.9792 R 11109



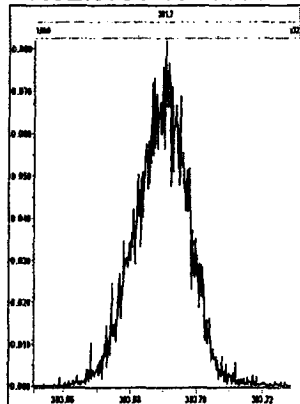
M 366.9792 R 11258



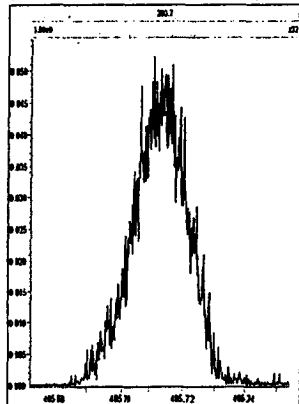
M 380.9760 R 11258



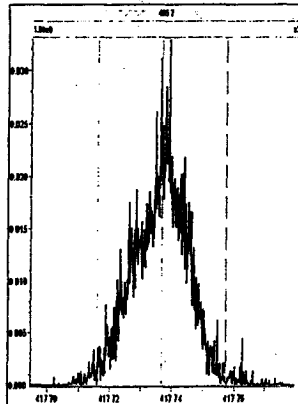
M 392.9760 R 11111



M 404.9760 R 11363



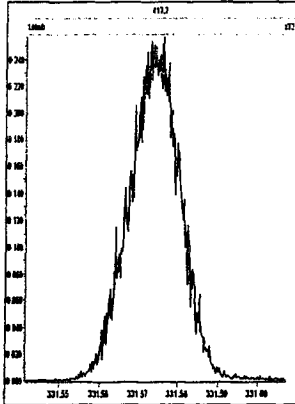
M 416.9760 R 12753



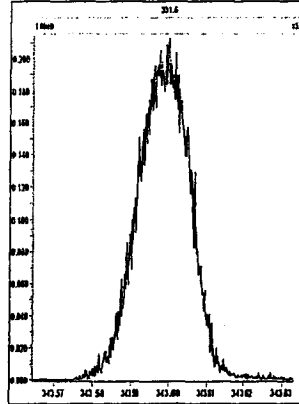
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, January 04, 2010 14:58:01 Pacific Standard Time

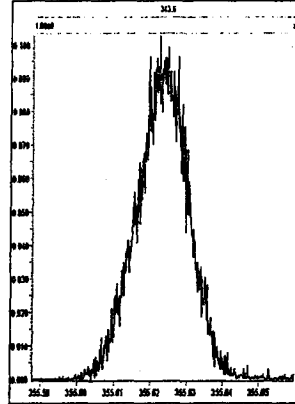
M 330.9792 R 11261



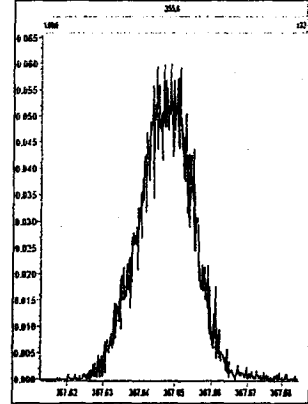
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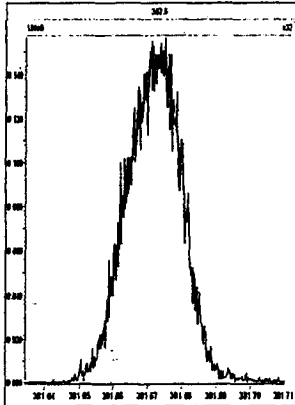
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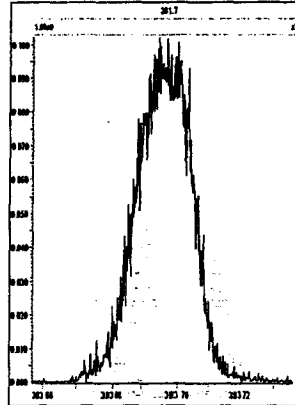
M 366.9792 R 10918



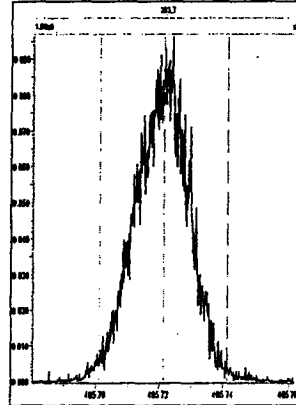
M 380.9760 R 10594



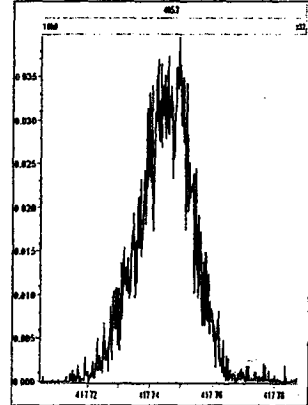
M 392.9760 R 11364



M 404.9760 R 11415



M 416.9760 R 11572

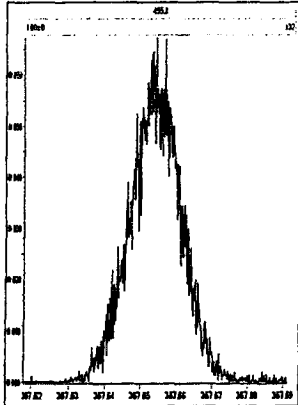




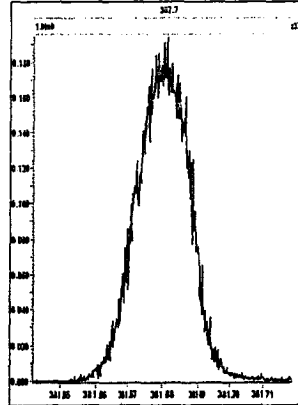
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Printed: Monday, January 04, 2010 14:59:00 Pacific Standard Time

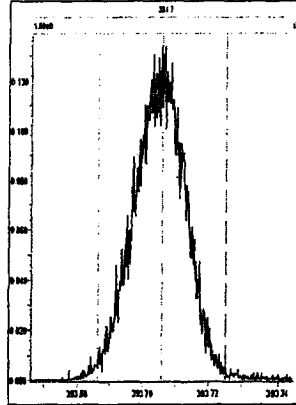
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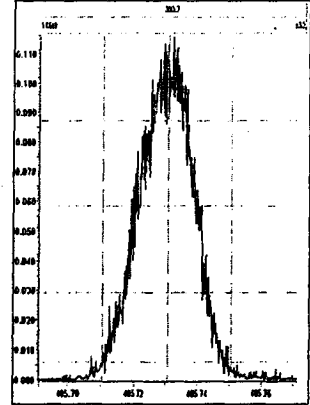
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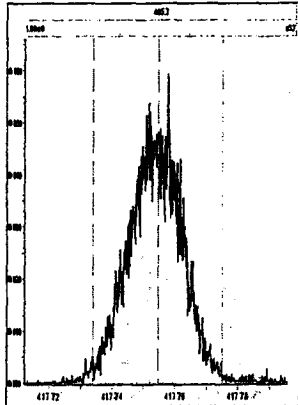
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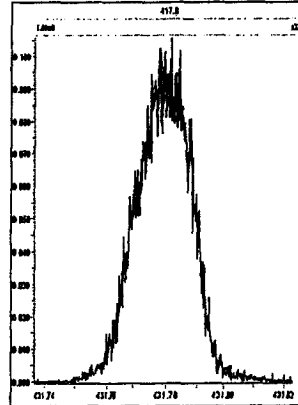
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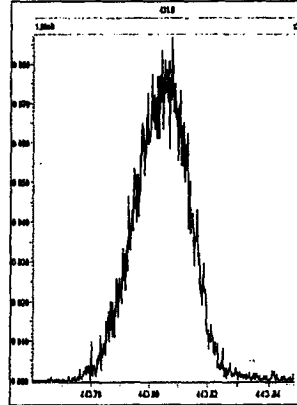
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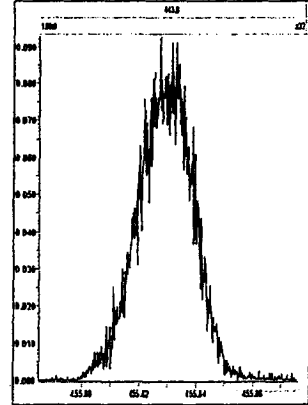
M 430.9728 R 11060



M 442.9728 R 11113



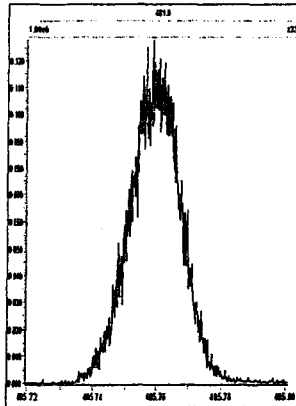
M 454.9728 R 11258



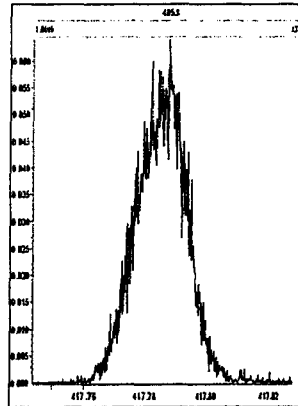
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Printed: Monday, January 04, 2010 14:59:23 Pacific Standard Time

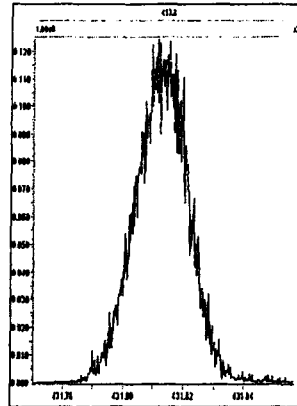
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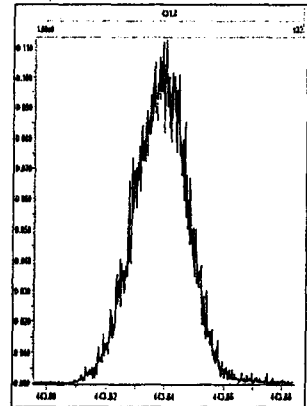
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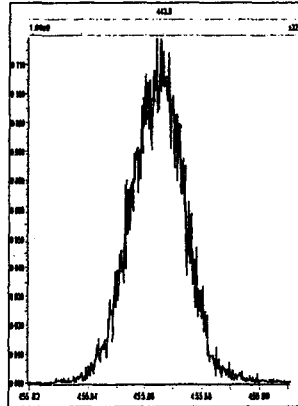
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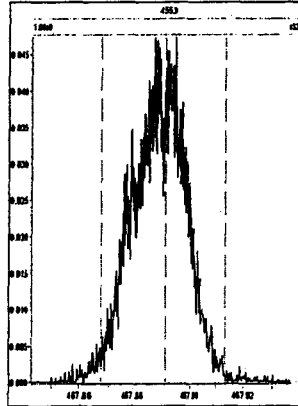
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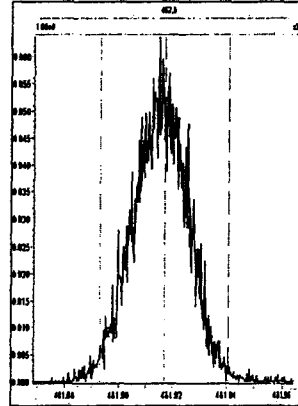
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M 466.9728 R 11522



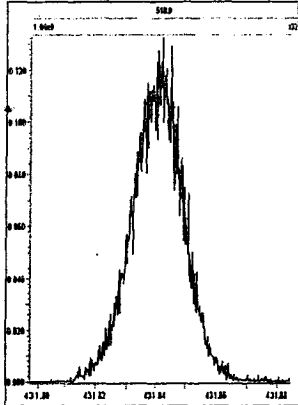
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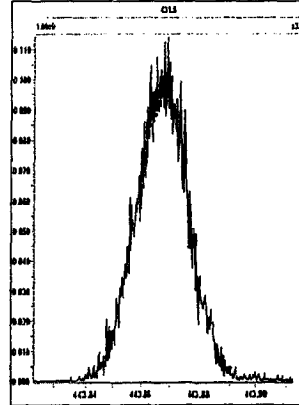
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Printed: Monday, January 04, 2010 14:59:55 Pacific Standard Time

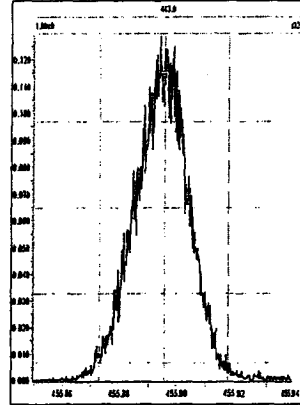
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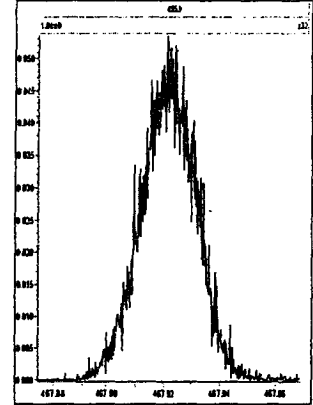
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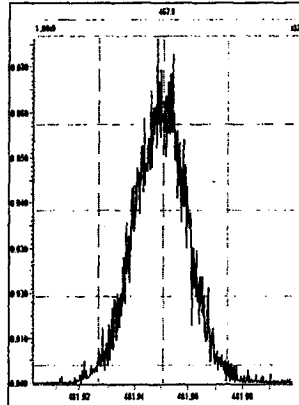
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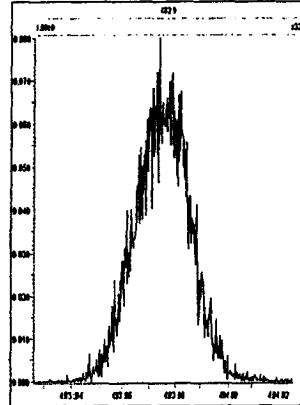
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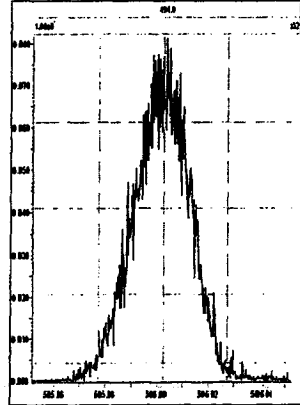
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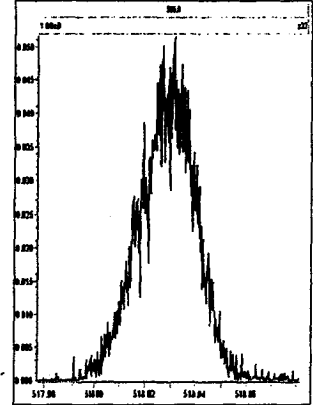
M 492.9696 R 10594



M 504.9696 R 10417



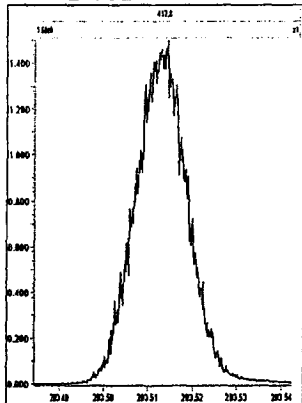
M 516.9697 R 10463



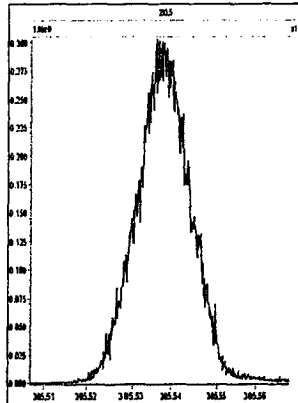
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:49:49 Pacific Standard Time

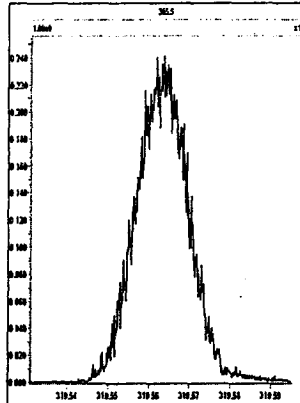
M 292.9824 R 11016



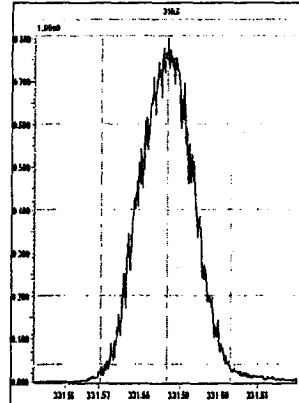
M 304.9824 R 11064



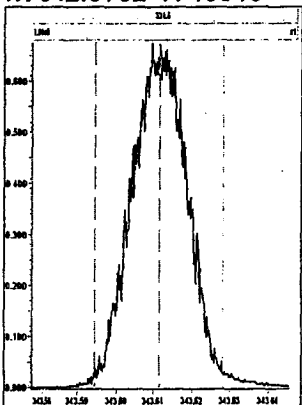
M 318.9792 R 11262



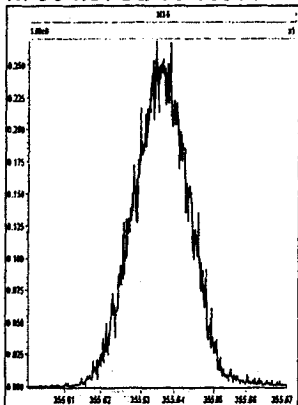
M 330.9792 R 10822



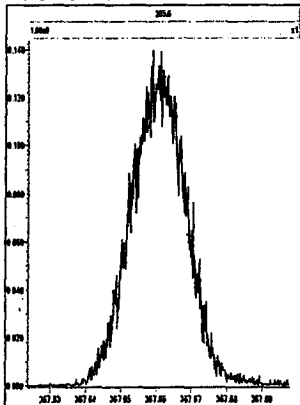
M 342.9792 R 10916



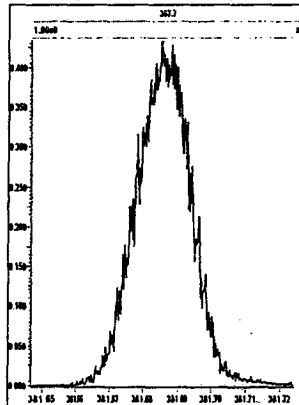
M 354.9792 R 10641



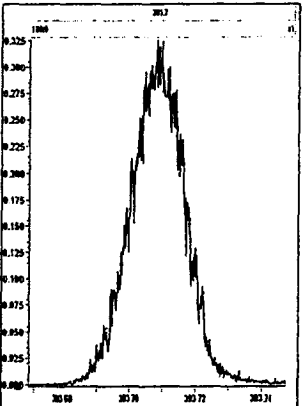
M 366.9792 R 10871



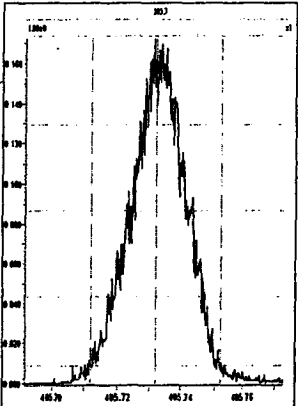
M 380.9760 R 10918



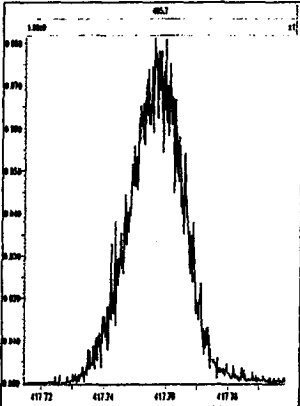
M 392.9760 R 10639



M 404.9760 R 10593



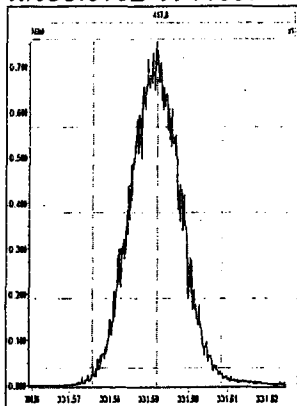
M 416.9760 R 11903



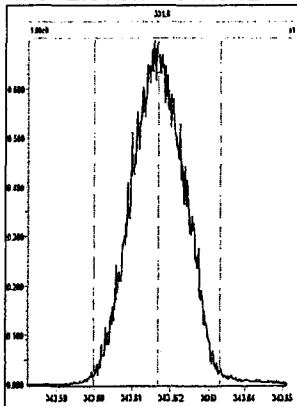
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:50:54 Pacific Standard Time

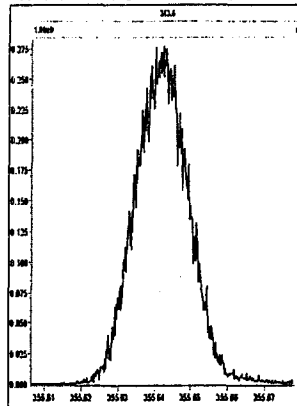
M330.9792 R 11307



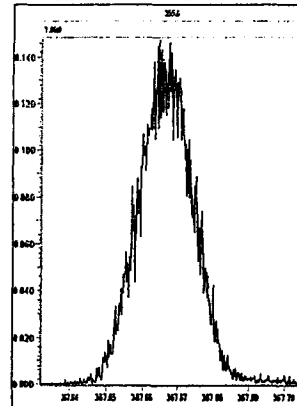
M 342.9792 R 11012



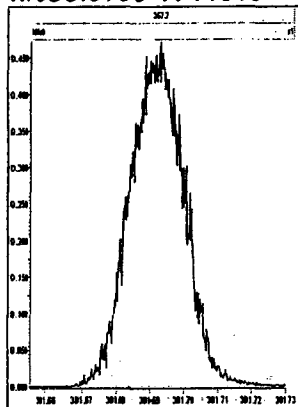
M 354.9792 R 11310



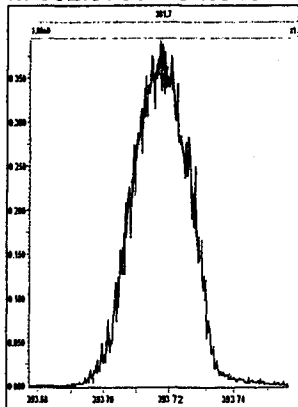
M 366.9792 R 10820



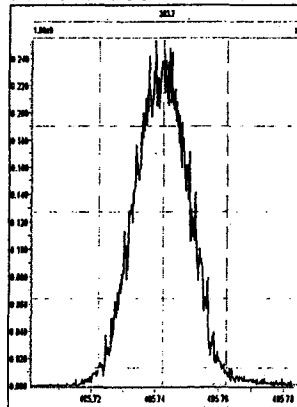
M380.9760 R 11015



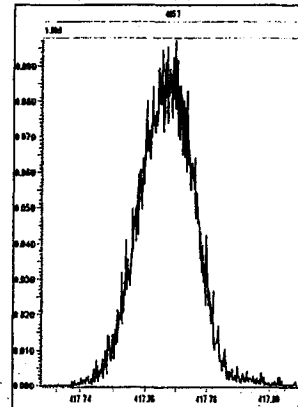
M 392.9760 R 10819



M 404.9760 R 10725



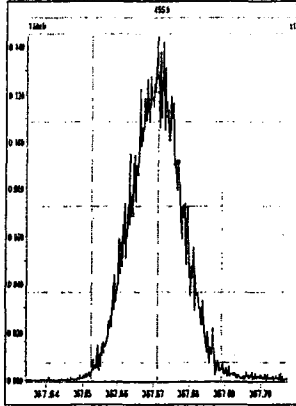
M 416.9760 R 11363



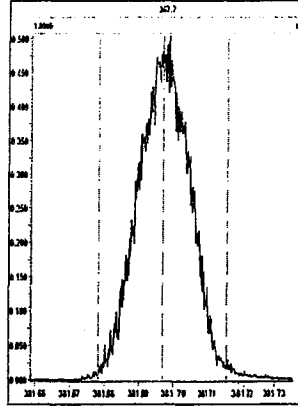
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:51:49 Pacific Standard Time

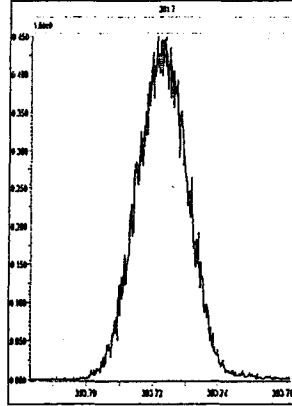
M 366.9792 R 11576



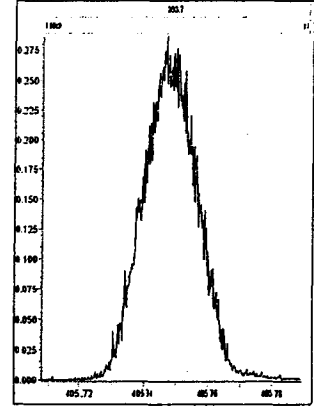
M 380.9760 R 11794



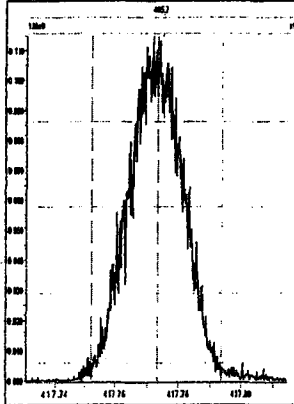
M 392.9760 R 11262



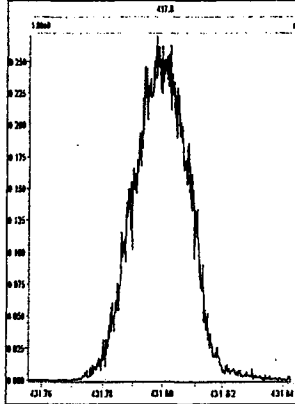
M 404.9760 R 10776



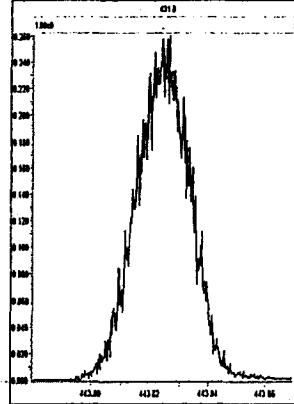
M 416.9760 R 11110



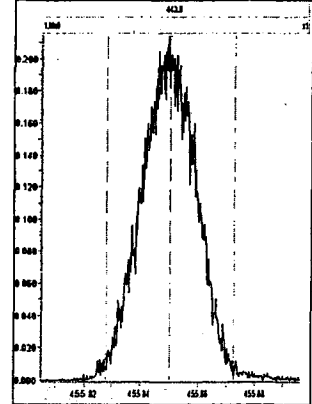
M 430.9728 R 11260



M 442.9728 R 10774



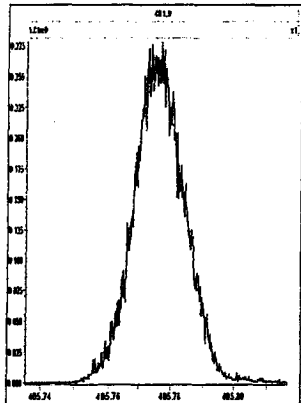
M 454.9728 R 11365



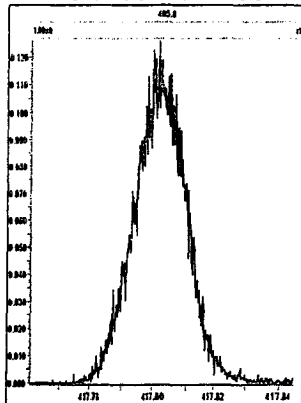
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:52:32 Pacific Standard Time

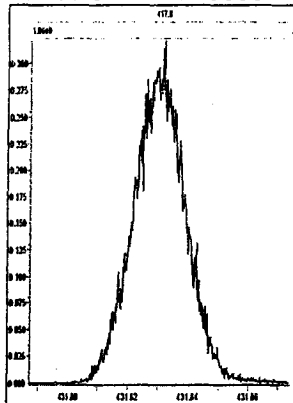
M 404.9760 R 11108



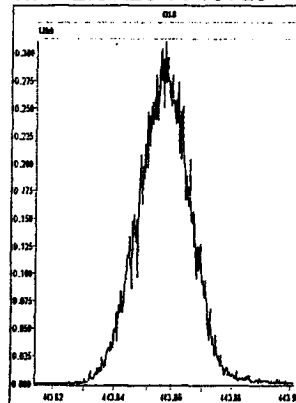
M 416.9760 R 11468



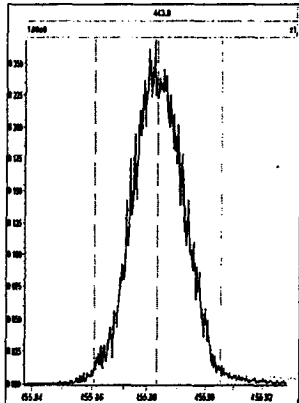
M 430.9728 R 10638



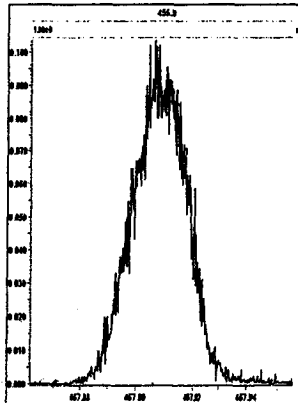
M 442.9728 R 10729



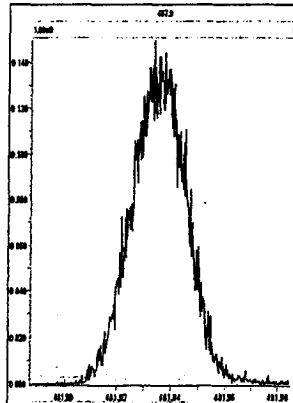
M 454.9728 R 10592



M 466.9728 R 11212



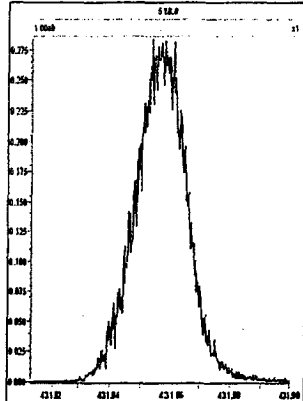
M 480.9696 R 10727



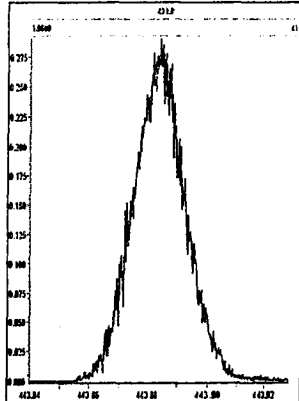
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:53:23 Pacific Standard Time

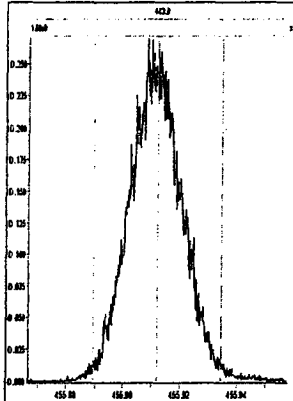
M 430.9728 R 11360



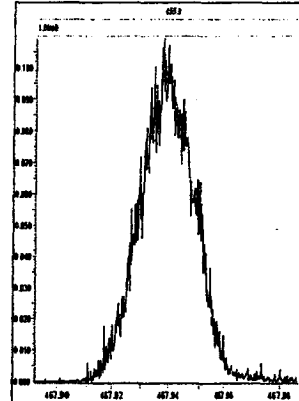
M 442.9728 R 11062



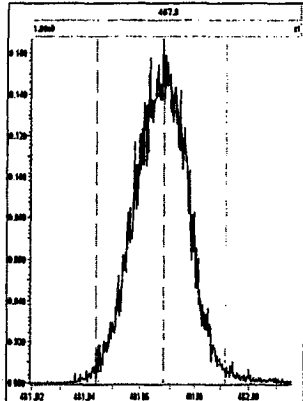
M 454.9728 R 11012



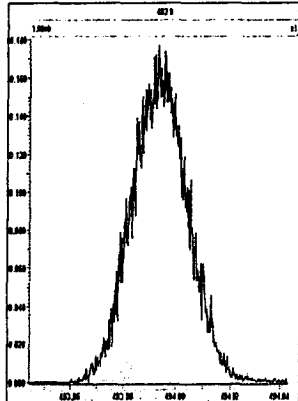
M 466.9728 R 10919



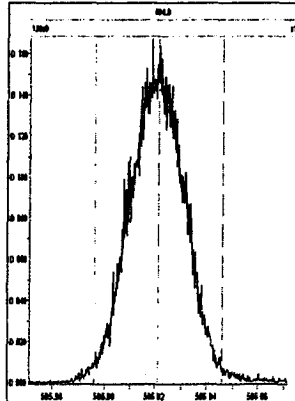
M 480.9696 R 10728



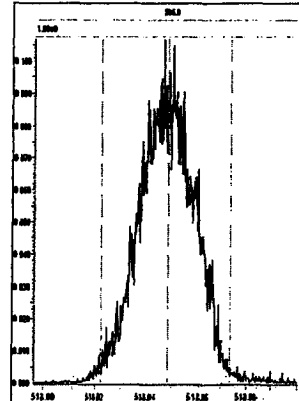
M 492.9696 R 10731



M 504.9696 R 10285



M 516.9697 R 10333



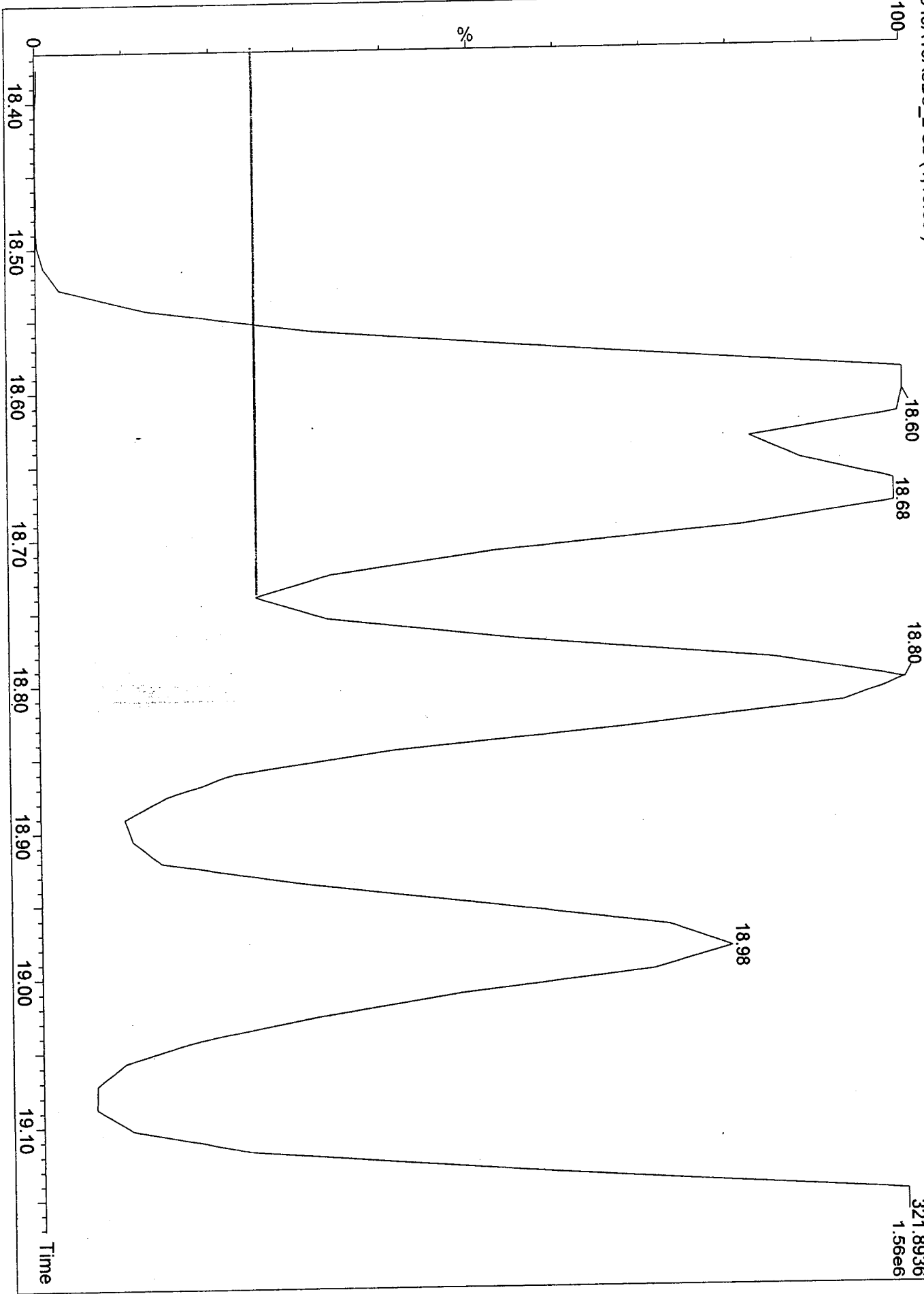


DB5 CP5M 3732-0417:14:3904-Jan-2010Tray01:2

04JA10A3D5\_2 Sb (1,10.00)

1: Voltage SIR 15 Channels EI+

321.8936  
1.56e6



Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:24:15 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.55387	0.10195	6.56127
4	2,3,7,8-TCDF	1.00894	0.03940	3.90512
5	Total TCDFs	1.00894	0.03940	3.90512
6				
7	13C-2,3,7,8-TCDD	0.93654	0.08265	8.82467
8	2,3,7,8-TCDD	1.13162	0.06094	5.38546
9	Total TCDDs	1.13162	0.06094	5.38546
10				
11	37CL-2,3,7,8-TCDD	1.13700	0.09172	8.06695
12				
13	13C-1,2,3,7,8-PeCDF	1.21534	0.12934	10.64235
14	1,2,3,7,8-PeCDF	1.03079	0.04663	4.52356
15	2,3,4,7,8-PeCDF	0.96399	0.04086	4.23834
16	Total F2 PeCDFs	0.99739	0.04369	4.38021
17	Total F1 PeCDFs	0.99739	0.04369	4.38021
18				
19	13C-1,2,3,7,8-PeCDD	0.74736	0.08018	10.72899
20	1,2,3,7,8-PeCDD	1.05672	0.03490	3.30300
21	Total PeCDDs	1.05672	0.03490	3.30300
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	0.91641	0.07223	7.88160
26	1,2,3,4,7,8-HxCDF	1.24280	0.05687	4.57635
27	1,2,3,6,7,8-HxCDF	1.49624	0.06359	4.24985
28	2,3,4,6,7,8-HxCDF	1.31114	0.08139	6.20792
29	1,2,3,7,8,9-HxCDF	1.29097	0.15794	12.23447
30	Total HxCDFs	1.33529	0.08589	6.43214
31				
32	13C-1,2,3,6,7,8-HxCDD	0.80919	0.05547	6.85475
33	1,2,3,4,7,8-HxCDD	0.93261	0.05959	6.38974
34	1,2,3,6,7,8-HxCDD	1.18024	0.05154	4.36672
35	1,2,3,7,8,9-HxCDD	1.28282	0.21352	16.64444
36	Total HxCDDs	1.13189	0.10452	9.23374
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.81080	0.04083	5.03538
39	1,2,3,4,6,7,8-HpCDF	1.36387	0.07395	5.42218
40	1,2,3,4,7,8,9-HpCDF	1.11483	0.06881	6.17218
41	Total HpCDFs	1.23935	0.07020	5.66394
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.70743	0.03465	4.89747
44	1,2,3,4,6,7,8-HpCDD	1.04312	0.04748	4.55165
45	Total HpCDDs	1.04312	0.04748	4.55165
46				
47	13C-OCDD	0.51880	0.04360	8.40429

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:24:15 Pacific Standard Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.40213	0.13119	9.35683
49	OCDD	1.19691	0.05139	4.29389
50				
51				
52	Function 1 PFK			
53	Function 2 PFK	16743.46550	16630.81420	99.32719
54	Function 3 PFK	7909.22500	521.22114	6.59004
55	Function 4 PFK	14980.66300	0.00000	0.00000
56	Function 5 PFK	3947.90350	3001.02553	76.01568
57	TCDF PCDPE	30.01200	0.00000	0.00000
58	F1 PeCDF PCDPE	45.97250	34.38590	74.79666
59	F2 PeCDF PCDPE	17.77400	16.24159	91.37835
60	HXCDF PCDPE	18.61100	20.51602	110.23600
61	HPCDF PCDPE	75.50100	34.84622	46.15333
62	OCDF PCDPE	85.06150	155.80506	183.16755

## Initial Calibration Checklist Dioxin Methods

ICAL ID (DB225, DB225AIR) 0104105DZ

Method ID 8290, 1613B, 23, 0022A, TO9 Date Scanned \_\_\_\_\_

Column ID DB225 Instrument ID 502

STD ID's ST0104(D, E, F, A, G) STD Solution 09DXN(422, 423, 425, 426, 456)

GC Program DB225 Multiplier Setting 820

Analyzed By A.M. Date Analyzed 1/4/10

Prepared By M.G. Date Prepared 1/5/10

Reviewed By M.G. Date Reviewed 1/5/10

	INITIAL	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓ (1)	(1)
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: (1) CRS failed (26.2%) + (26.9%) ∴ use for PCDF confirmation only. Do not report CRS using this ICV.

\*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: 04JA10A5D2 Analyte: DB225

Cal: DB2250104105D2

ST0104D : CS-1 09DXN422  
 ST0104G : CS-5 09DXN456

ST0104E : CS-2 09DXN423  
 ST0104H : CS-4 09DXN426

ST0104F : CS-3 09DXN425

04JA10B5D204JA10B5D204JA10B5D204JA10B5D204JA10B5D204JA10B5D2

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.664	0.062	3.75 %	1.65	1.58	1.73	1.72	1.64
2,3,7,8-TCDF	1.014	0.078	7.69 %	1.14	0.94	0.97	1.01	1.00
13C-2,3,7,8-TCDD	0.951	0.045	4.78 %	0.98	0.90	0.99	0.98	0.91
2,3,7,8-TCDD	1.183	0.038	3.23 %	1.19	1.21	1.12	1.18	1.22
37Cl-2,3,7,8-TCDD	2.068	0.541	26.2 %	2.60	2.20	1.15	2.23	2.16

Run #1    Filename 04JA10B5D2    S: 3    I: 1  
Acquired: 4-JAN-10    22:54:06    Processed: 5-JAN-10    07:29:29  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2  
Comments:

Sample text: ST0104D :CS-1 09DXN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	251267000	0.74 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	413691000	0.80 y	15:29	1.646	100.00	n
2,3,7,8-TCDF	2044403	0.94 n	15:30	0.988	0.50	n
13C-2,3,7,8-TCDD	246414000	0.74 y	14:09	0.981	100.00	n
2,3,7,8-TCDD	1464885	0.85 y	14:11	1.189	0.50	n
37Cl-2,3,7,8-TCDD	3270460	1.00 y	14:10	2.603	0.50	n

Run #1    Filename 04JA10B5D2    S: 3    I: 1  
Acquired: 4-JAN-10    22:54:06    Processed: 5-JAN-10    07:29:29  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2  
Comments:

Sample text: ST0104D :CS-1 09DXN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	251267000	0.74 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	413691000	0.80 y	15:29	1.646	100.00	n
2,3,7,8-TCDF	2366310	0.82 y	15:30	1.144	0.50	y
13C-2,3,7,8-TCDD	246414000	0.74 y	14:09	0.981	100.00	n
2,3,7,8-TCDD	1464885	0.85 y	14:11	1.189	0.50	n
37Cl-2,3,7,8-TCDD	3270460	1.00 y	14:10	2.603	0.50	n

Run #2    Filename 04JA10B5D2    S: 4    I: 1  
Acquired: 4-JAN-10    23:31:09    Processed: 5-JAN-10    07:29:30  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2

Comments:

Sample text: ST0104E :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	266401000	0.74 y	14:21	-	100.00	n
13C-2,3,7,8-TCDF	420343000	0.82 y	15:28	1.578	100.00	n
2,3,7,8-TCDF	7934710	0.83 y	15:29	0.944	2.00	n
13C-2,3,7,8-TCDD	239289000	0.76 y	14:08	0.898	100.00	n
2,3,7,8-TCDD	5783460	0.83 y	14:09	1.208	2.00	n
37Cl-2,3,7,8-TCDD	11695680	1.00 y	14:09	2.195	2.00	n



Run #3    Filename 04JA10B5D2    S: 5    I: 1  
Acquired: 5-JAN-10    00:08:17    Processed: 5-JAN-10    07:29:30  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2

Comments:

Sample text: ST0104F :CS-3 09DXN425

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	122886700	0.75 y	14:21	-	100.00	n
13C-2,3,7,8-TCDF	212032300	0.81 y	15:28	1.725	100.00	n
2,3,7,8-TCDF	20479400	0.82 y	15:29	0.966	10.00	n
13C-2,3,7,8-TCDD	121954600	0.77 y	14:08	0.992	100.00	n
2,3,7,8-TCDD	13669350	0.79 y	14:09	1.121	10.00	n
37Cl-2,3,7,8-TCDD	14173780	1.00 y	14:09	1.153	10.00	n

Run #4    Filename 04JA10B5D2    S: 6    I: 1  
Acquired: 5-JAN-10    00:45:19    Processed: 5-JAN-10    07:29:30  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2  
Comments:

Sample text: ST0104G :CS-5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	175057200	0.77 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	301911000	0.81 y	15:29	1.725	100.00	n
2,3,7,8-TCDF	611201000	0.80 y	15:30	1.012	200.00	n
13C-2,3,7,8-TCDD	171409900	0.74 y	14:09	0.979	100.00	n
2,3,7,8-TCDD	403135000	0.80 y	14:11	1.176	200.00	n
37Cl-2,3,7,8-TCDD	779324000	1.00 y	14:10	2.226	200.00	n

Run #5    Filename 04JA10B5D2    S: 7    I: 1  
 Acquired: 5-JAN-10    01:22:21    Processed: 5-JAN-10    07:29:31  
 Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2

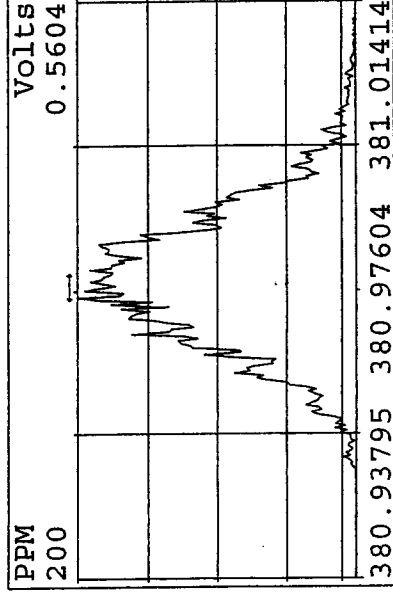
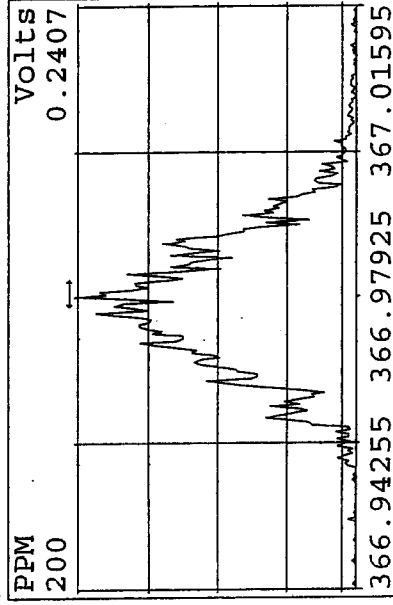
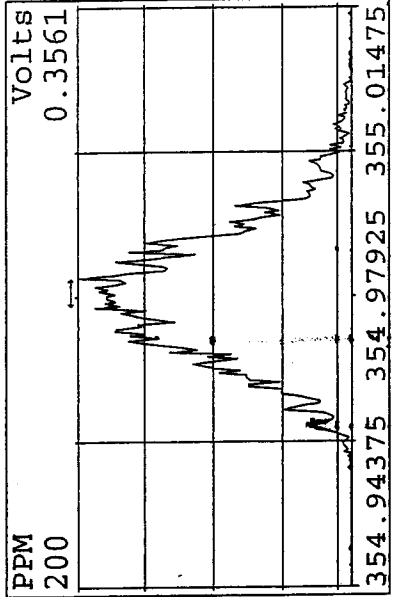
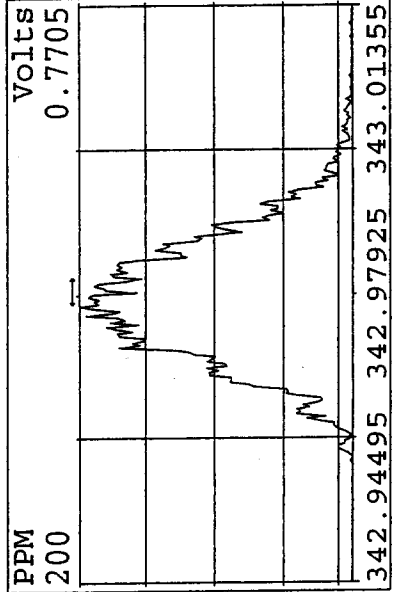
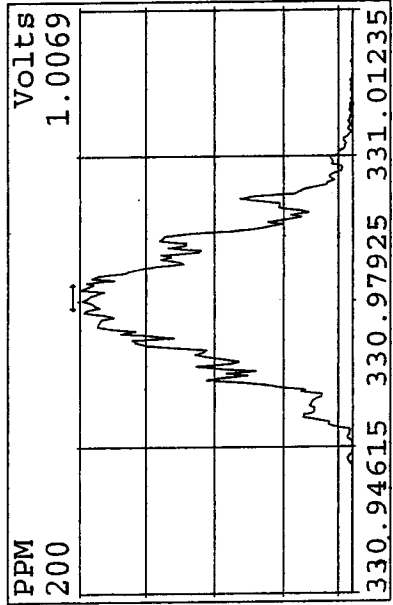
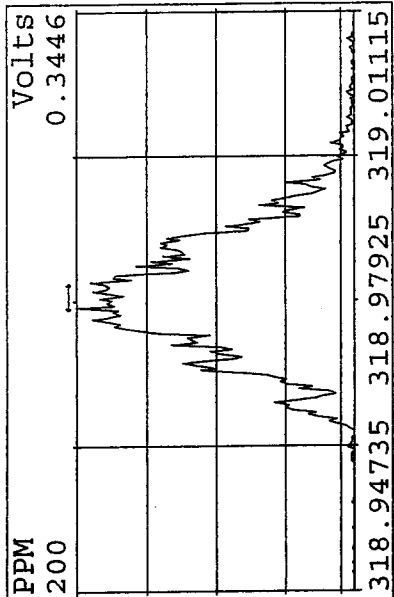
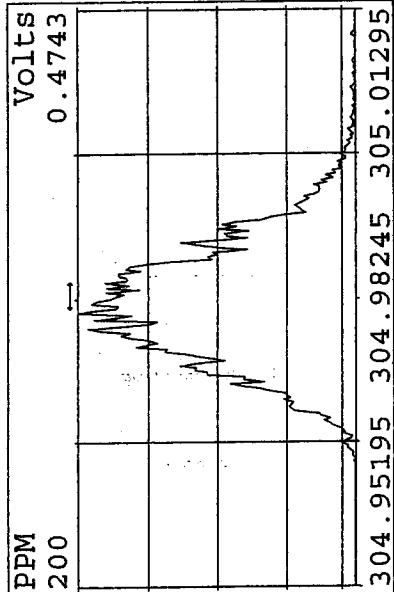
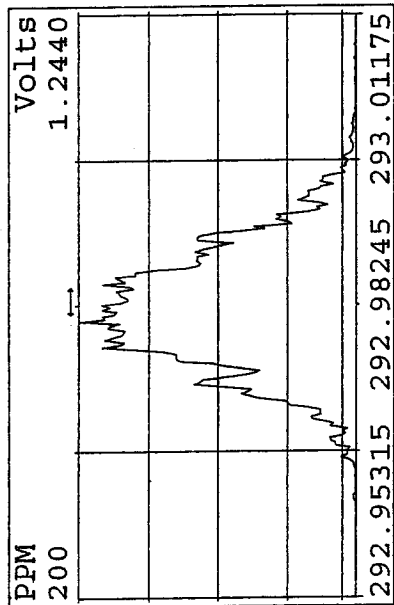
Comments:

Sample text: ST0104H :CS-4 09DXN426

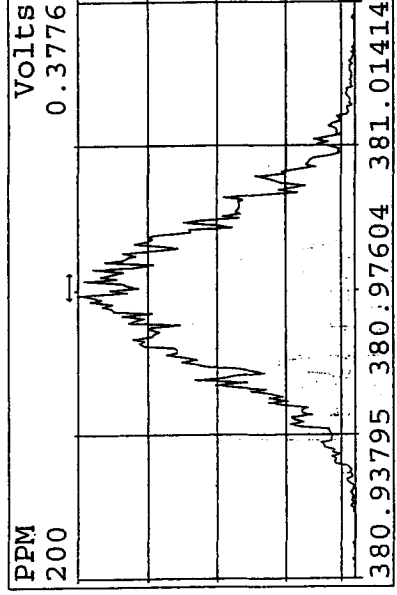
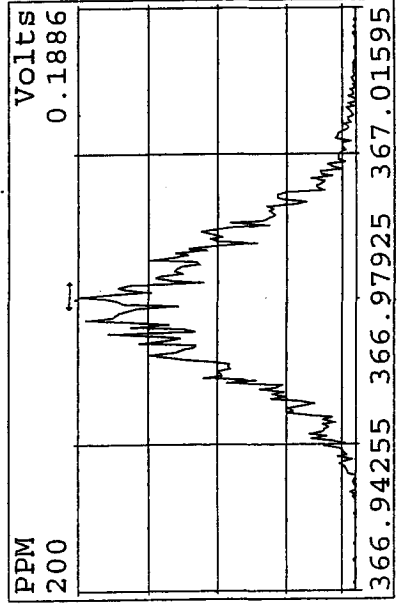
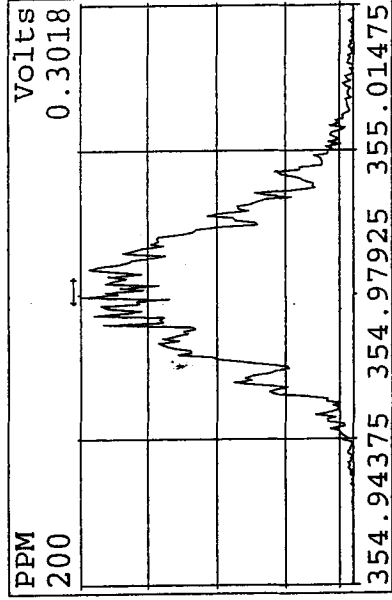
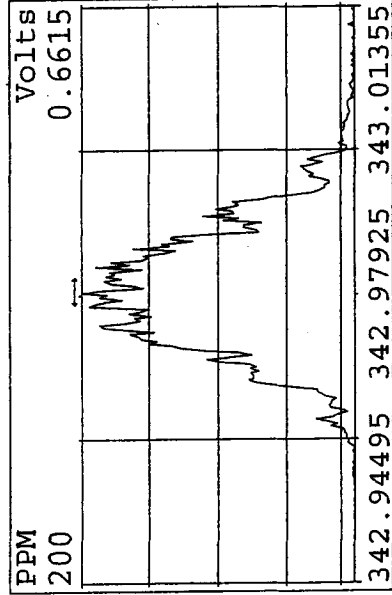
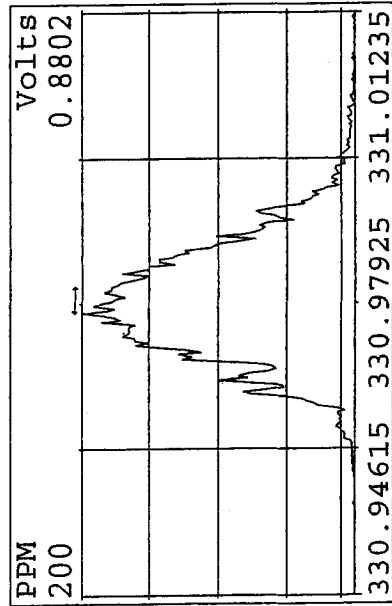
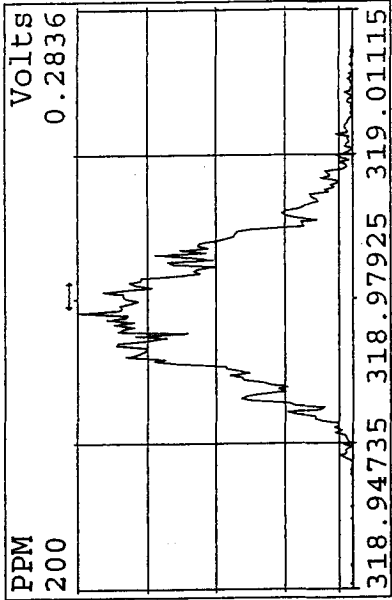
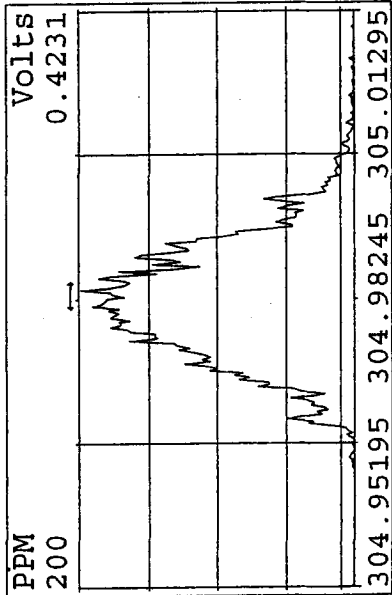
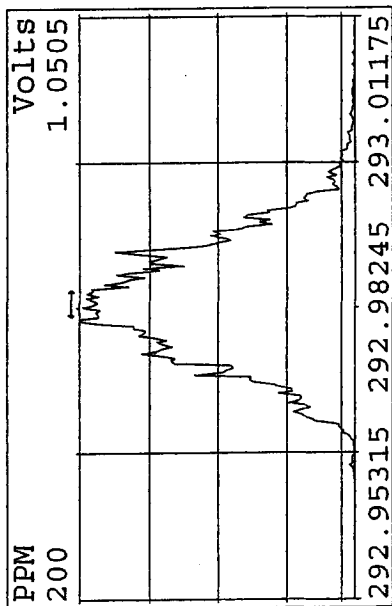
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	266035000	0.75 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	437272000	0.82 y	15:29	1.644	100.00	n
2,3,7,8-TCDF	175195400	0.81 y	15:30	1.002	40.00	n
13C-2,3,7,8-TCDD	240856000	0.75 y	14:09	0.905	100.00	n
2,3,7,8-TCDD	117378400	0.80 y	14:10	1.218	40.00	n
37C1-2,3,7,8-TCDD	230058000	1.00 y	14:10	2.162	40.00	n

Data-file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04JA10B5D2	1	CP0104B	DB225 CPSM 3732-01				1.000	
04JA10B5D2	2	CP0104C	DB225 CPSM 3732-01				1.000	
04JA10B5D2	3	ST0104D	CS-1 09DXN422				1.000	
04JA10B5D2	4	ST0104E	CS-2 09DXN423				1.000	
04JA10B5D2	5	ST0104F	CS-3 09DXN425				1.000	
04JA10B5D2	6	ST0104G	CS-5 09DXN456				1.000	
04JA10B5D2	7	ST0104H	CS-4 09DXN426				1.000	
04JA10B5D2	8	ST0104I	2nd Source 09DXN449				1.000	
04JA10B5D2	9						1.000	
04JA10B5D2	10						1.000	
04JA10B5D2	11						1.000	
04JA10B5D2	12						1.000	
04JA10B5D2	13						1.000	
04JA10B5D2	14		AM 01-04-10				1.000	
04JA10B5D2	15						1.000	

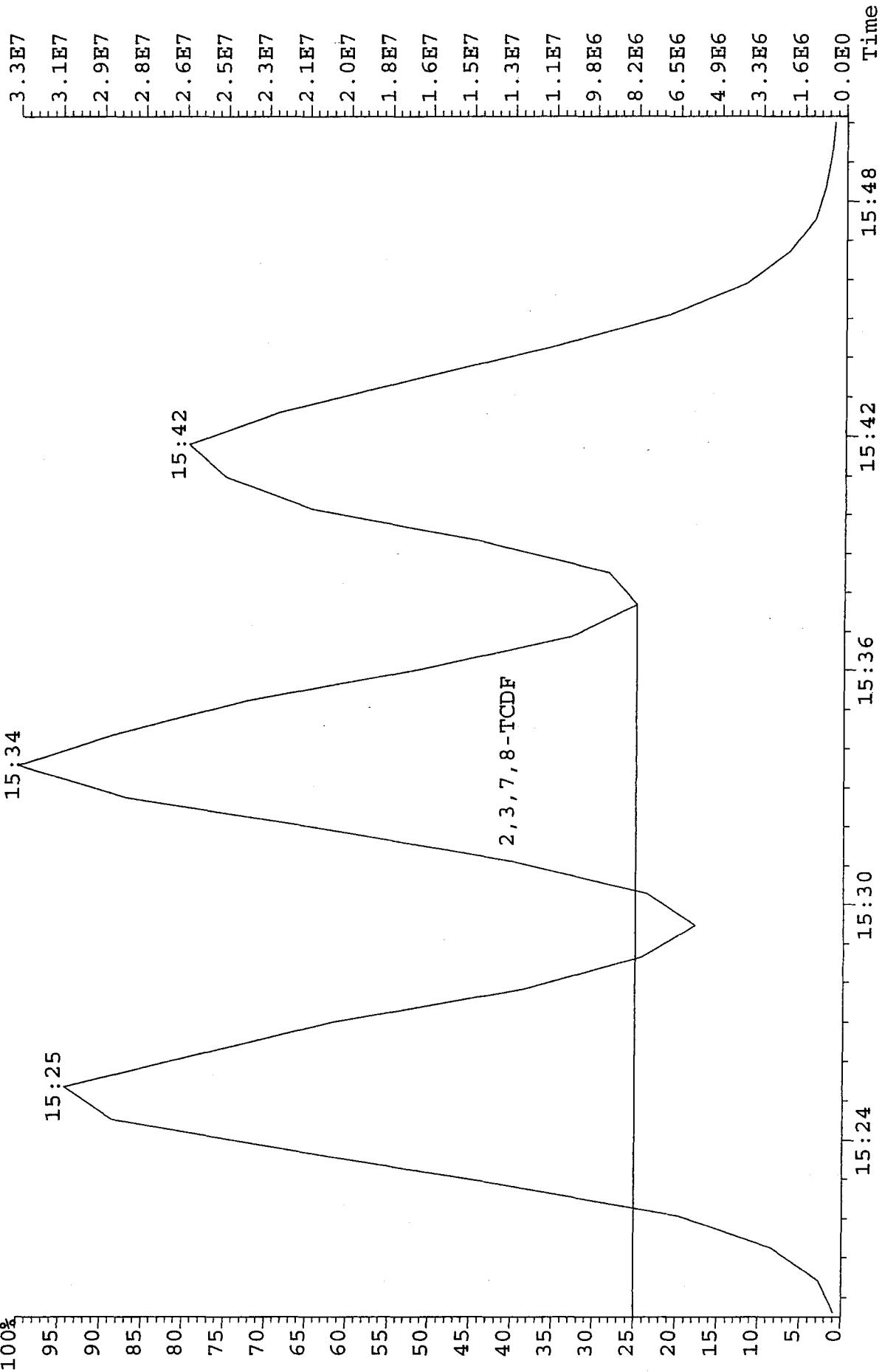
Peak Locate Examination: 4-JAN-2010:21:33 File:04JA10B5D2  
 Experiment:DB225 Function:1 Reference:PFK



Peak Locate Examination: 5 JAN-2010:07:37 File:ENDRES04JA10B5D2  
 Experiment:DB225 Function:1 Reference:PFK



File: 04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:17:05 GC EI+ Voltage SIR 70SE  
 303.9016 S:2 BSUB(128,15,-3.0) Exp:DB225 Noise:3300  
 Sample Text:CP0104C :DB225 CPSM 3732-01  
 100%







## Daily Calibration Checklist Dioxin Methods

Method ID 8290  
 Column ID DB225  
 STD ID ST0105C, ST0105D  
 Analyzed by A.M.  
 Std. Pkg. By M.G.  
 Std. Pkg. Reviewed By MFW

Associated ICAL DB2250104105D2  
 Instrument ID 502  
 STD Solution 09DXN425  
 Date Analyzed 1/5/10, 1/6/10  
 Date Std. Pkg. Assembled 1/6/10  
 Date Std. Pkg. Reviewed 1/6/10

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: ST0105C                      File text: CS-3 09DXN425  
Run #6    Filename 05JA10A5D2    S: 1    I: 1  
Acquired: 5-JAN-10    22:05:44            Processed: 5-JAN-10    22:37:11  
Run: 05JA10A5D2    Analyte: DB225            Cal: DB2250104105D2    Results: 05JA10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	75499700	0.79 y	14:17	-	100.00	-	n
13C-2,3,7,8-TCDF	136600700	0.79 y	15:23	1.81	100.00	8.8	n
2,3,7,8-TCDF	12598670	0.78 y	15:25	0.92	10.00	-9.0	n
13C-2,3,7,8-TCDD	73914000	0.75 y	14:04	0.98	100.00	2.9	n
2,3,7,8-TCDD	9680380	0.74 y	14:06	1.31	10.00	10.8	n
37Cl-2,3,7,8-TCDD	19618660	1.00 y	14:05	2.60	10.00	25.7	n

Run text: ST0105D

File text: ST0105D :CS3 09DXN425

Run #19 Filename 05JA10A5D2 S: 16

I: 1

Acquired: 6-JAN-10 07:28:46

Processed: 6-JAN-10 08:20:17

Run: 05JA10A5D2 Analyte: DB225

Cal: DB2250104105D2

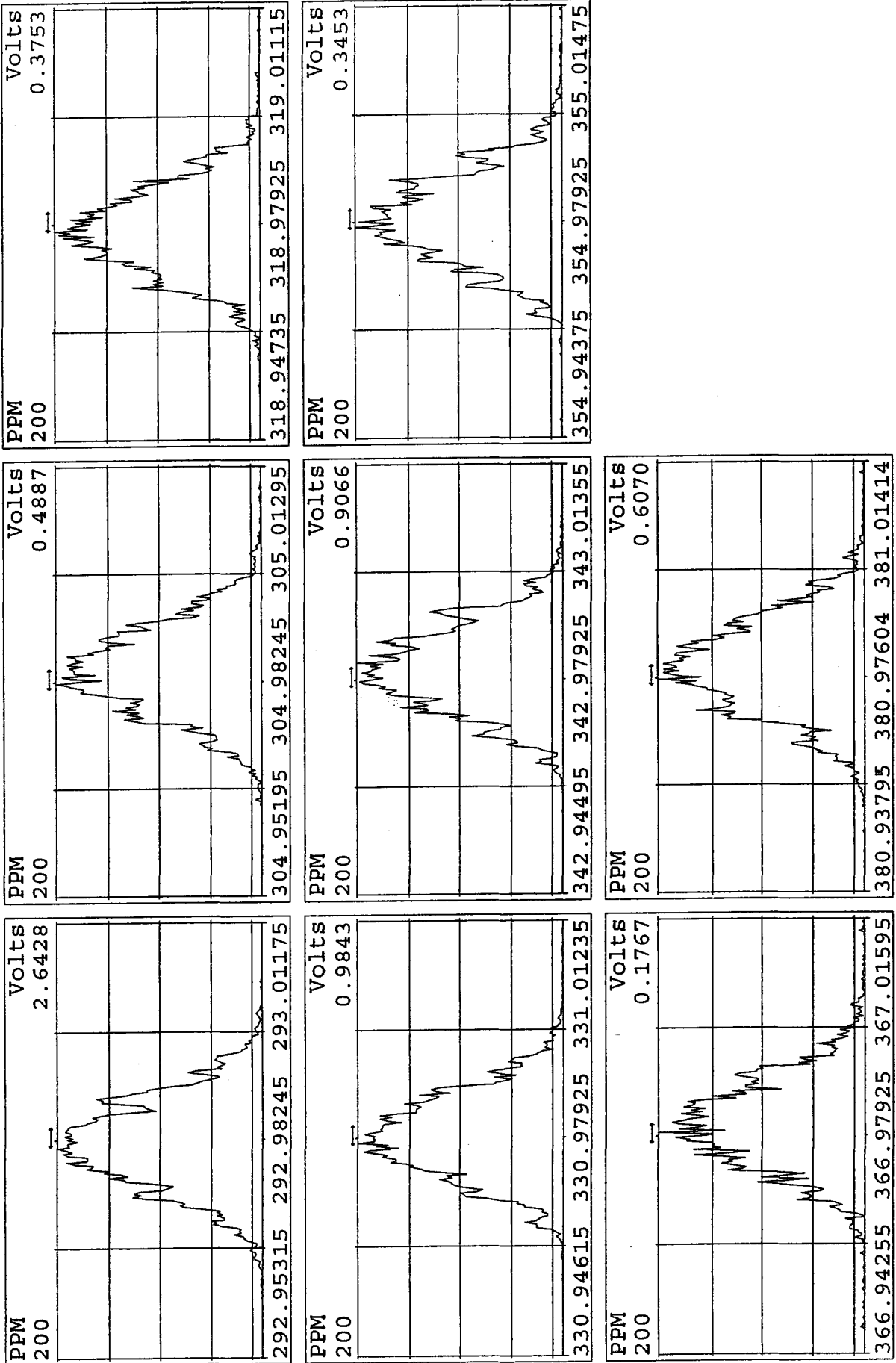
Results: 05JA10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	53049600	0.79 y	14:16	-	100.00	-	n
13C-2,3,7,8-TCDF	100023200	0.81 y	15:22	1.89	100.00	13.3	n
2,3,7,8-TCDF	9955540	0.82 y	15:23	1.00	10.00	-1.8	n
13C-2,3,7,8-TCDD	54083500	0.79 y	14:03	1.02	100.00	7.2	n
2,3,7,8-TCDD	7103190	0.76 y	14:04	1.31	10.00	11.1	n
37Cl-2,3,7,8-TCDD	13174480	1.00 y	14:04	2.48	10.00	20.1	n

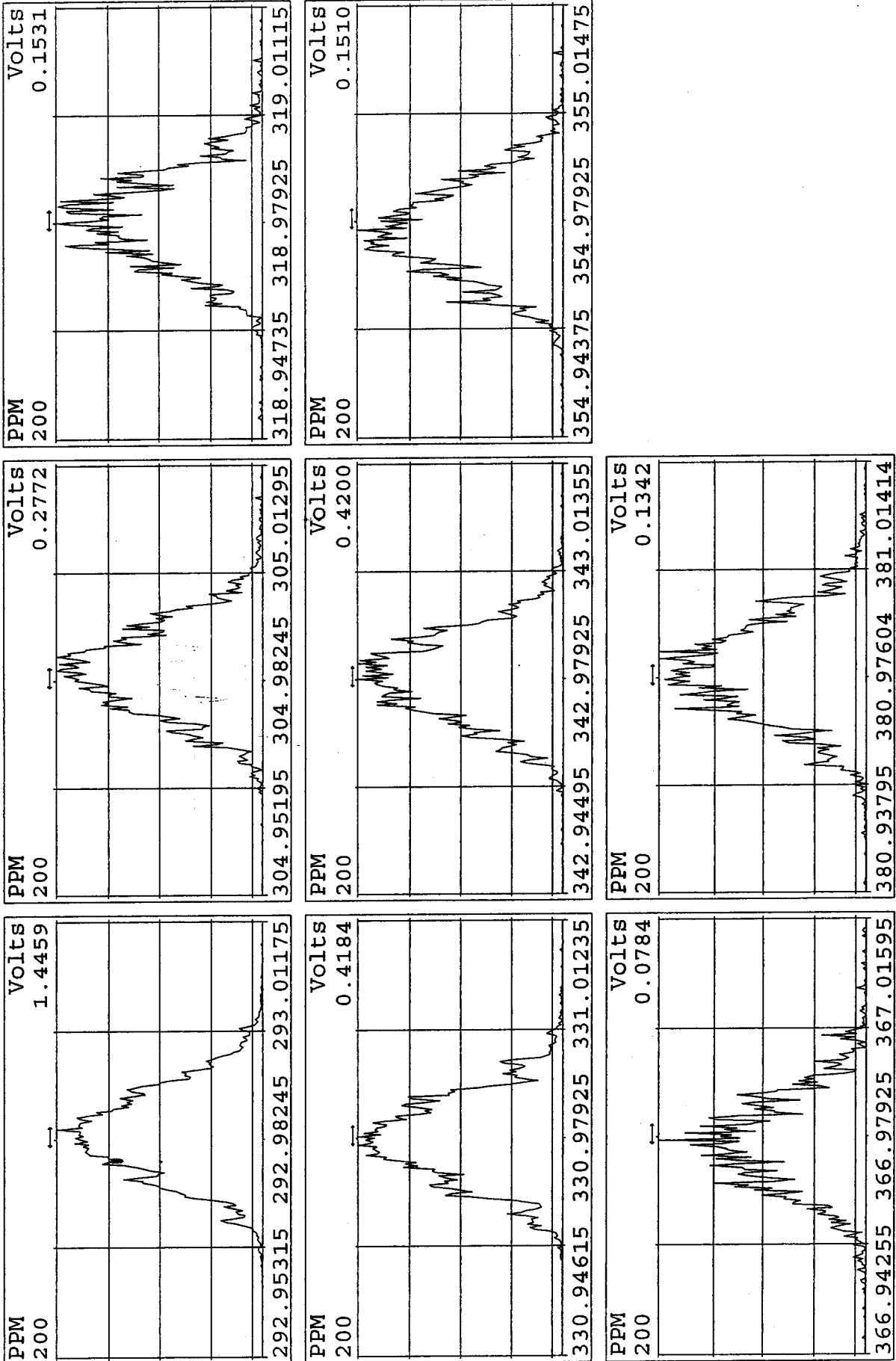
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
05JA10A5D2	1	ST0105C	CS3 09DXN425				1.000	
05JA10A5D2	2	CP0105B	DB-225 CPSM 3732-01				1.000	
05JA10A5D2	3	SB0105B	Solvent Blank C-14				1.000	
05JA10A5D2	4	LQ89T-1-AC	G9L170538-2	10	8290/SOLID	73	10.360 g	
05JA10A5D2	5	LQ89X-1-AC	G9L170538-3	10	8290/SOLID		10.350 g	
05JA10A5D2	6	LQ892-1-AC	G9L170538-4	10	8290/SOLID		10.000 g	
05JA10A5D2	7	LQ895-1-AC	G9L170538-7	10	8290/SOLID		10.180 g	
05JA10A5D2	8	LQ897-1-AC	G9L170538-8	10	8290/SOLID		10.650 g	
05JA10A5D2	9	LQ898-1-AC	G9L170538-9	10	8290/SOLID		10.080 g	
05JA10A5D2	10	LRL8V-1-AC	G9L240493-2/	10	8290/SOLID	75	10.030 g	
05JA10A5D2	11	LQ89Q-1-AC	G9L170538-1	10	8290/SOLID	73	10.010 g	
05JA10A5D2	12	LQ893-1-AC	G9L170538-5	10	8290/SOLID		10.290 g	
05JA10A5D2	13	LQ894-1-AC	G9L170538-6	10	8290/SOLID		10.300 g	
05JA10A5D2	14	LRL8H-1-AC	G9L240493-1/	10	8290/SOLID	75	10.190 g	
05JA10A5D2	15	SB0105C	Solvent Blank C-14				1.000	
05JA10A5D2	16	ST0105D	CS3 09DXN425				1.000	
05JA10A5D2	17						1.000	
05JA10A5D2	18						1.000	
05JA10A5D2	19						1.000	
05JA10A5D2	20						1.000	
05JA10A5D2	21						1.000	
05JA10A5D2	22						1.000	
JA10A5D2	23		AM 01-05-10				1.000	
JSJA10A5D2	24						1.000	

reviewed  
by  
ms  
1/6/10

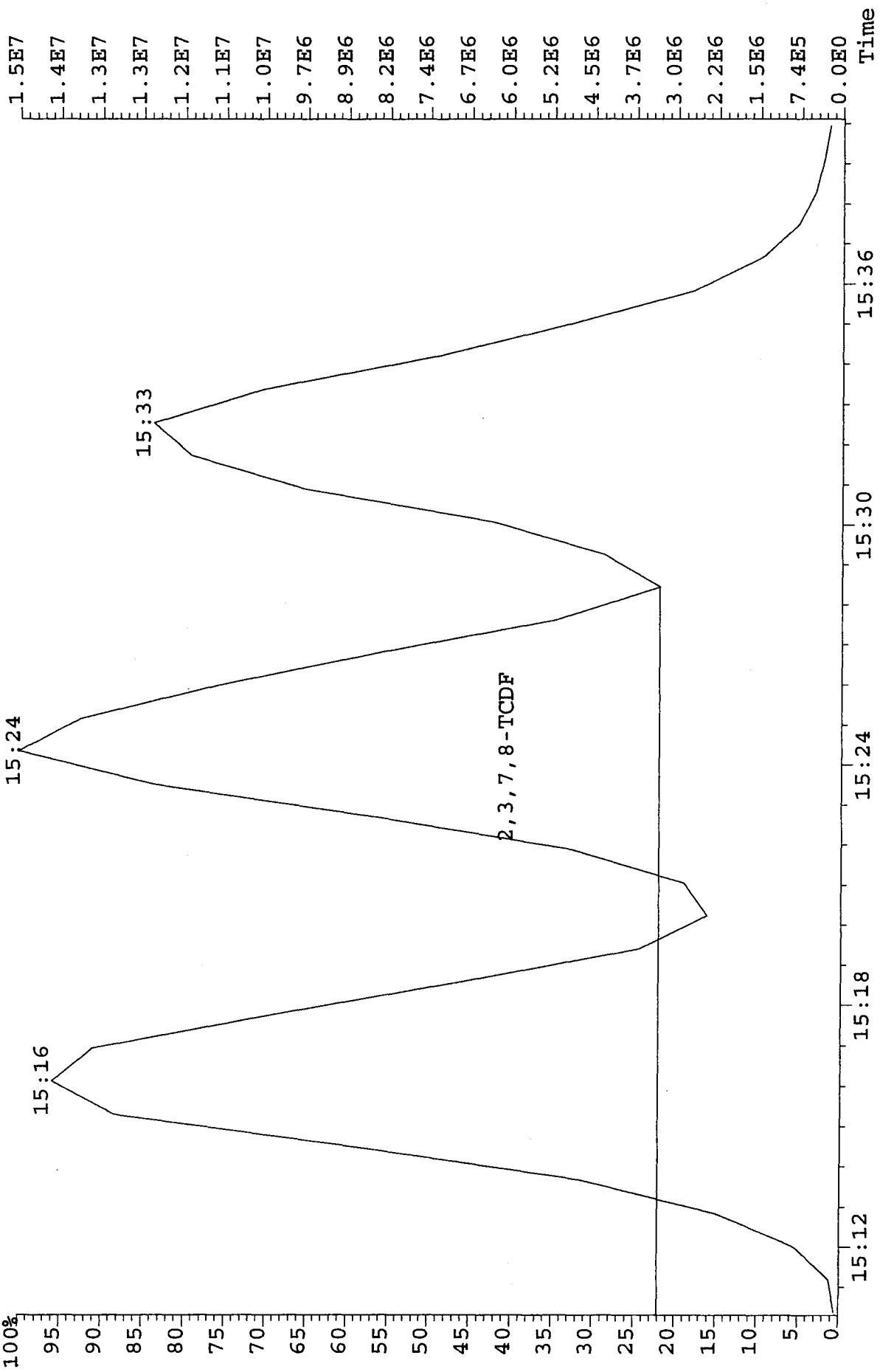
Peak Locate Examination: 5-JAN-2010:22:03 File:05JA10A5D2  
 Experiment:DB225 Function:1 Reference:PFK



Peak Locate Examination: 6-JAN-2010:08:32 File:ENDRES05JA10A5D2  
 Experiment:DB225 Function:1 Reference:PFK



File: 05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:42:51 GC EI+ Voltage SIR 70SE  
 305.8987 S:2 Exp:DB225  
 Sample Text:CP0105B :DB-225 CPSM 3732-01



Run: 05JA10A5D2 Analyte: DB225 Cal: DB2250104105D2  
 ST0104D : CS-1 09DXN422 ST0104E : CS-2 09DXN423 ST0104F : CS-3 09DXN425  
 ST0104G : CS-5 09DXN456 ST0104H : CS-4 09DXN426

Name	Mean	S. D.	%RSD	04JA10B5D204JA10B5D204JA10B5D204JA10B5D204JA10B5D2						
				S3 RRF1	S4 RRF2	S5 RRF3	S6 RRF4	S7 RRF5		
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-	
13C-2,3,7,8-TCDF	1.664	0.062	3.75 %	1.65	1.58	1.73	1.72	1.64		
2,3,7,8-TCDF	1.014	0.078	7.69 %	1.14	0.94	0.97	1.01	1.00		
13C-2,3,7,8-TCDD	0.951	0.045	4.78 %	0.98	0.90	0.99	0.98	0.91		
2,3,7,8-TCDD	1.183	0.038	3.23 %	1.19	1.21	1.12	1.18	1.22		
37Cl-2,3,7,8-TCDD	2.068	0.541	26.2 %	2.60	2.20	1.15	2.23	2.16		



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

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

Batch #: 9362386 Method ID: 8290

**DB-5**  
Data Analyst: OS  
Date initiated: 01-26-10  
Reviewer: R Hunt  
Date reviewed: 1/27/10

**DB-225**  
Data Analyst: OS  
Date initiated: 01-27-10  
Reviewer: R Hunt  
Date reviewed: 1/27/10

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

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

**Comments:** (Use other side if necessary)

① Low I.S. recovery see NCH # 07-010135

* Recovery limits:	
NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

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

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

**TestAmerica West Sacramento  
High Resolution Prep Log  
Dioxin/Furan Solid Analysis**

Box # 15  
 Shared: Same  
 QC Batch: Same  
 Shares: NA  
 QC With: NA



<b>Internal COC:</b>	
Delivered to Inst.:	<u>12-29-09</u>
Inst Receipt:	

**Batch: 9362386**  
 MS Run #: 9362207  
 Prep Date: 12/28/2009  
 Method: IN 8290  
 Matrix: A SOLID  
 Extraction: 4W SOXHLET (NOMINAL)  
 QC: 01 STANDARD TEST SET  
 SAC: IN - A - 4W - 01  
 Soxhlet time on: 8:00 Soxhlet time off: 21:10

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	<u>H28N10</u>
Hexane	Baker	<u>H30E30</u>
H2SO4	Baker	<u>G35029</u>
20% DCM:Hexane	NA	<u>3030-44D</u>
65% DCM:Hexane	NA	<u>3030-44C</u>
1:1 DCM:Cyclohexane	NA	<u>NA</u>
75:20:5 DCM:Hexane:Benzene	NA	<u>NA</u>
Silica Gel	<u>WHATMAN</u>	<u>22-22</u>
Acid Alumina	<u>MP</u>	<u>19</u>
5% Carbon:Silica Gel	<u>NA</u>	<u>NA</u>

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					200µL	Other	
G9L120491 - 3 RX		LQ2K83AC	1/10/2010	<u>10.31</u>	<u>1</u>		2/11/2010
G9L120491 - 7 RX		LQ2LD3AC	1/10/2010	<u>10.10</u>	<u>1</u>		2/11/2010
G9L120491 - 8	S	LQ2LE1AF	1/10/2010	<u>10.02</u>	<u>1</u>		2/11/2010
G9L120491 - 8	D	LQ2LE1AG	1/10/2010	<u>10.08</u>	<u>1</u>		2/11/2010
G9L120491 - 8 RX		LQ2LE3AC	1/10/2010	<u>10.17</u>	<u>1</u>		2/11/2010
G9L240493 - 1		LRL8H1AC	1/21/2010	<u>10.19</u>		<u>62401</u>	2/11/2010
G9L240493 - 2		LRL8V1AC	1/21/2010	<u>10.03</u>			2/11/2010
G9L280000 - 386	B	LRNEV1AA	1/10/2010	<u>10.00</u>	<u>1</u>		2/11/2010
G9L280000 - 386	C	LRNEV1AC	1/10/2010	<u>10.00</u>	<u>1</u>		2/11/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: \_\_\_\_\_

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	<u>1.0ml 09DXN430</u>	<u>10-31-10</u>	<u>A</u>	<u>CR</u>	<u>12-28-10</u>
Spike Mix LCS/LCSD/MS/MS	<u>50.0µl 09DXN409</u>	<u>11-30-10</u>	<u>A</u>	<u>CR</u>	<u>12-28-10</u>
Cleanup Standard All Samples	<u>1.0mL 09DXN418</u>	<u>12/16/10</u>	<u>CR</u>	<u>[Signature]</u>	<u>12/29/09</u>
Recovery Standard All Samples	<u>10.0µl 09DXN388</u>	<u>11-19-10</u>	<u>L</u>	<u>[Signature]</u>	<u>12-29-09</u>
Soxhlet Extraction Analyst/Date	<u>L 12-28-09</u>				
	Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date	
	<u>—</u>	<u>[Signature] 12/29/09</u>	<u>[Signature] 12/29/09</u>	<u>—</u>	

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 12/29/09  
Time: 15:37:00

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y

Weights/Volumes  
Spike & Surrogate Worksheet  
Vial contains correct volume  
Labels, greenbars, worksheets  
computer batch: correct & all match  
Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to AnalyticalGroup  
Bench Sheet Copied per COC

Extractionist: 006625 Elizabeth Nguyen

Concentrationist: 006625 Elizabeth Nguyen

\*\*\*\*\*  
\* QC BATCH: 9362386 \*  
\* PREP DATE: 12/28/09 18:00 \*  
\* COMP DATE: 12/29/09 17:00 \*  
\*\*\*\*\*

Reviewer/Date: NGUYENE / 12/29/09

Dioxins/Furans, HRGC/HRMS (8290)  
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ WT/VOL	PH"S	INIT ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	SPIKE STANDARD/ SURROGATE ID	
1/10/10	12/30/09	G9L120491-003 LQ2K8-3-AC		4W	IN SOLID	10.31g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS09DXN430
COMMENTS:														
1/10/10	12/30/09	G9L120491-007 LQ2LD-3-AC		4W	IN SOLID	10.10g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS09DXN430
COMMENTS:														
1/10/10	12/30/09	G9L120491-008 LQ2LE-1-AFS		4W	IN SOLID	10.08g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS09DXN409 1.0ML IS09DXN430
COMMENTS:														
1/10/10	12/30/09	G9L120491-008 LQ2LE-1-AGD		4W	IN SOLID	10.17g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS09DXN409 1.0ML IS09DXN430
COMMENTS:														
1/10/10	12/30/09	G9L120491-008 LQ2LE-3-AC		4W	IN SOLID	10.02g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS09DXN430
COMMENTS:														
1/21/10	1/11/10	G9L240493-001 LRU8H-1-AC		4W	IN SOLID	10.19g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS09DXN430
COMMENTS:														
1/21/10	1/11/10	G9L240493-002 LRU8V-1-AC		4W	IN SOLID	10.03g 10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS09DXN430
COMMENTS:														

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 12/29/09  
Time: 15:37:00

\*\*\*\*\*  
\* QC BATCH: 9362386 \*  
\* PREP DATE: 12/28/09 18:00  
\* COMP DATE: 12/29/09 17:00  
\*\*\*\*\*

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
	1/10/10	0/00/00	G9L280000-386 LRNEV-1-AAB	4W	IN SOLID	10.00g 10.00uL	NA	NA	TOL	300.0	C14	20.0 1.0ML IS09DXN430
	1/10/10	0/00/00	G9L280000-386 LRNEV-1-ACC	4W	IN SOLID	10.00g 10.00uL	NA	NA	TOL	300.0	C14	20.0 50.0UL NS09DXN409 1.0ML IS09DXN430

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

NUMBER OF WORK ORDERS IN BATCH: 9

## Preparation Data Review Checklist

Prep Batch(es) 0362386

Test: 8290 solid

Prep Date: 12-28-09

Holding Times: 1-10-10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	/
2. QAS checked for QC instructions (LCS, LCSD, MS, MSD, etc)	✓	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	/
5. Spiking volumes are correctly documented	✓	/
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	/
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	/
<b>B. Weights and Volumes</b>		
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	/
<b>C. Standards and Reagents</b>		
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	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: CR

Date: 12/28/09

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 12/29/09

Comments:

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# WATER, 8290, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: EB122209-SO1-A1

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9L240493 - 003  
 Date Sampled....: 12/22/09  
 Prep Date....: 01/04/10  
 Prep Batch # ....: 0004196  
 Initial Wgt/Vol : 1003 mL

Work Order #....: LRL831AA  
 Date Received....: 12/24/09  
 Analysis Date....: 01/07/10  
 Dilution Factor....: 1  
 Analyst ID....: Sonia Ouni

Matrix....: WATER  
 Instrument ID....: 1D5  
 Units.....: pg/L

PARAMETER	RESULT	REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	5.0	1.0	0
1,2,3,7,8-PeCDD	ND	25	1.0	0
1,2,3,4,7,8-HxCDD	ND	25	0.1	0
1,2,3,6,7,8-HxCDD	ND	25	0.1	0
1,2,3,7,8,9-HxCDD	ND	25	0.1	0
1,2,3,4,6,7,8-HpCDD	ND	25	0.01	0
<b>OCDD</b>	<b>3.5</b> J	<b>50</b>	<b>0.0003</b>	<b>0.0010</b>
2,3,7,8-TCDF	ND	5.0	0.1	0
1,2,3,7,8-PeCDF	ND	25	0.03	0
2,3,4,7,8-PeCDF	ND	25	0.3	0
1,2,3,4,7,8-HxCDF	ND	25	0.1	0
1,2,3,6,7,8-HxCDF	ND	25	0.1	0
2,3,4,6,7,8-HxCDF	ND	25	0.1	0
1,2,3,7,8,9-HxCDF	ND	25	0.1	0
1,2,3,4,6,7,8-HpCDF	ND	25	0.01	0
1,2,3,4,7,8,9-HpCDF	ND	25	0.01	0
OCDF	ND	50	0.0003	0

Total TEQ Concentration

0.0010

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	78	40 - 135
13C-1,2,3,7,8-PeCDD	84	40 - 135
13C-1,2,3,6,7,8-HxCDD	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	96	40 - 135
13C-OCDD	90	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	95	40 - 135
13C-1,2,3,4,7,8-HxCDF	106	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	107	40 - 135

QUALIFIERS

Notes:

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

J Estimated Result.



Northgate Environmental Management, Inc.

Client Sample ID: EB122209-SO1-A1

Trace Level Organic Compounds

Lot-Sample #...: G9L240493-003    Work Order #...: LRL831AA    Matrix.....: WATER  
 Date Sampled...: 12/22/09    Date Received...: 12/24/09  
 Prep Date.....: 01/04/10    Analysis Date...: 01/07/10  
 Prep Batch #...: 0004196  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.0	pg/L	SW846 8290
1,2,3,7,8-PeCDD	ND	25	pg/L	SW846 8290
1,2,3,4,7,8-HxCDD	ND	25	pg/L	SW846 8290
1,2,3,6,7,8-HxCDD	ND	25	pg/L	SW846 8290
1,2,3,7,8,9-HxCDD	ND	25	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	25	pg/L	SW846 8290
<b>OCDD</b>	<b>3.5 J</b>	<b>50</b>	<b>pg/L</b>	<b>SW846 8290</b>
2,3,7,8-TCDF	ND	5.0	pg/L	SW846 8290
1,2,3,7,8-PeCDF	ND	25	pg/L	SW846 8290
2,3,4,7,8-PeCDF	ND	25	pg/L	SW846 8290
1,2,3,4,7,8-HxCDF	ND	25	pg/L	SW846 8290
1,2,3,6,7,8-HxCDF	ND	25	pg/L	SW846 8290
2,3,4,6,7,8-HxCDF	ND	25	pg/L	SW846 8290
1,2,3,7,8,9-HxCDF	ND	25	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	25	pg/L	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	25	pg/L	SW846 8290
OCDF	ND	50	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	78	(40 - 135)
13C-1,2,3,7,8-PeCDD	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	95	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	106	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	107	(40 - 135)

**NOTE(S) :**

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

# QC DATA ASSOCIATION SUMMARY

G9L240493

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	SOLID	SW846 8290		9362386	9362207
	SOLID	ASTM D 2216-90		9363214	
002	SOLID	SW846 8290		9362386	9362207
	SOLID	ASTM D 2216-90		9363214	
003	WATER	SW846 8290		0004196	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9L240493  
 MB Lot-Sample #: G0A040000-196

Work Order #...: LRTM91AA

Matrix.....: WATER

Prep Date.....: 01/04/10

Analysis Date...: 01/07/10

Prep Batch #...: 0004196

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	10	pg/L	SW846 8290
1,2,3,7,8-PeCDD	ND	50	pg/L	SW846 8290
1,2,3,4,7,8-HxCDD	ND	50	pg/L	SW846 8290
1,2,3,6,7,8-HxCDD	ND	50	pg/L	SW846 8290
1,2,3,7,8,9-HxCDD	ND	50	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	50	pg/L	SW846 8290
OCDD	ND	50	pg/L	SW846 8290
2,3,7,8-TCDF	ND	10	pg/L	SW846 8290
1,2,3,7,8-PeCDF	ND	50	pg/L	SW846 8290
2,3,4,7,8-PeCDF	ND	50	pg/L	SW846 8290
1,2,3,4,7,8-HxCDF	ND	50	pg/L	SW846 8290
1,2,3,6,7,8-HxCDF	ND	50	pg/L	SW846 8290
2,3,4,6,7,8-HxCDF	ND	50	pg/L	SW846 8290
1,2,3,7,8,9-HxCDF	ND	50	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	50	pg/L	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	50	pg/L	SW846 8290
OCDF	ND	100	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	33 *	(40 - 135)
13C-1,2,3,7,8-PeCDD	35 *	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	40	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	41	(40 - 135)
13C-OCDD	41	(40 - 135)
13C-2,3,7,8-TCDF	35 *	(40 - 135)
13C-1,2,3,7,8-PeCDF	40	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	44	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	49	(40 - 135)

**NOTE(S) :**

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

\* Surrogate recovery is outside stated control limits.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L240493      Work Order #...: LRTM91AC      Matrix.....: WATER  
 LCS Lot-Sample#: G0A040000-196  
 Prep Date.....: 01/04/10      Analysis Date...: 01/07/10  
 Prep Batch #...: 0004196  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
<b>2,3,7,8-TCDD</b>	<b>98</b>	<b>(64 - 142)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8-PeCDD</b>	<b>109</b>	<b>(71 - 140)</b>	<b>SW846 8290</b>
<b>1,2,3,4,7,8-HxCDD</b>	<b>101</b>	<b>(56 - 146)</b>	<b>SW846 8290</b>
<b>1,2,3,6,7,8-HxCDD</b>	<b>108</b>	<b>(73 - 144)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8,9-HxCDD</b>	<b>93</b>	<b>(71 - 151)</b>	<b>SW846 8290</b>
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>104</b>	<b>(78 - 139)</b>	<b>SW846 8290</b>
<b>OCDD</b>	<b>107</b>	<b>(80 - 132)</b>	<b>SW846 8290</b>
<b>2,3,7,8-TCDF</b>	<b>102</b>	<b>(71 - 142)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8-PeCDF</b>	<b>108</b>	<b>(76 - 135)</b>	<b>SW846 8290</b>
<b>2,3,4,7,8-PeCDF</b>	<b>109</b>	<b>(74 - 137)</b>	<b>SW846 8290</b>
<b>1,2,3,4,7,8-HxCDF</b>	<b>105</b>	<b>(75 - 131)</b>	<b>SW846 8290</b>
<b>1,2,3,6,7,8-HxCDF</b>	<b>100</b>	<b>(76 - 133)</b>	<b>SW846 8290</b>
<b>2,3,4,6,7,8-HxCDF</b>	<b>107</b>	<b>(80 - 137)</b>	<b>SW846 8290</b>
<b>1,2,3,7,8,9-HxCDF</b>	<b>100</b>	<b>(77 - 142)</b>	<b>SW846 8290</b>
<b>1,2,3,4,6,7,8-HpCDF</b>	<b>101</b>	<b>(79 - 133)</b>	<b>SW846 8290</b>
<b>1,2,3,4,7,8,9-HpCDF</b>	<b>94</b>	<b>(83 - 130)</b>	<b>SW846 8290</b>
<b>OCDF</b>	<b>108</b>	<b>(72 - 140)</b>	<b>SW846 8290</b>

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	40	(40 - 135)
13C-1,2,3,7,8-PeCDD	41	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	49	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	47	(40 - 135)
13C-OCDD	46	(40 - 135)
13C-2,3,7,8-TCDF	43	(40 - 135)
13C-1,2,3,7,8-PeCDF	48	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	51	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	55	(40 - 135)

**NOTE(S) :**

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

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L240493      Work Order #...: LRTM91AC      Matrix.....: WATER  
 LCS Lot-Sample#: G0A040000-196  
 Prep Date.....: 01/04/10      Analysis Date...: 01/07/10  
 Prep Batch #...: 0004196  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	195	pg/L	98	SW846 8290
1,2,3,7,8-PeCDD	1000	1090	pg/L	109	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1010	pg/L	101	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1080	pg/L	108	SW846 8290
1,2,3,7,8,9-HxCDD	1000	927	pg/L	93	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	1040	pg/L	104	SW846 8290
OCDD	2000	2140	pg/L	107	SW846 8290
2,3,7,8-TCDF	200	204	pg/L	102	SW846 8290
1,2,3,7,8-PeCDF	1000	1080	pg/L	108	SW846 8290
2,3,4,7,8-PeCDF	1000	1090	pg/L	109	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1050	pg/L	105	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1000	pg/L	100	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1070	pg/L	107	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1000	pg/L	100	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1010	pg/L	101	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	941	pg/L	94	SW846 8290
OCDF	2000	2160	pg/L	108	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	40	(40 - 135)
13C-1,2,3,7,8-PeCDD	41	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	49	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	47	(40 - 135)
13C-OCDD	46	(40 - 135)
13C-2,3,7,8-TCDF	43	(40 - 135)
13C-1,2,3,7,8-PeCDF	48	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	51	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	55	(40 - 135)

**NOTE(S) :**

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

Bold print denotes control parameters

**ICV/CCV**  
**Run Logs**

## Initial Calibration Checklist Dioxin Methods

ICAL ID (8290, 1613, TO9, 23, 0023A, TETRAS) 123109105

Method ID 8290, 1613B, TO9, 23, 0023A

Date Scanned \_\_\_\_\_

Column ID DB5

Instrument ID 105

STD ID's ST1231(B, C, D, E, F)

STD Solution 09DXN(422, 423, 425, 426, 456)

GC Program OCDD

Multiplier Setting 270

Analyzed By A.M.

Date Analyzed 12/31/09, 1/1/10 <sup>AS</sup> 1/4/10

Prepared By M.G.

Date Prepared 1/4/10

Reviewed By JRB

Date Reviewed 1/4/10

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

COMMENTS:

CS2 Retention Times: 13C-1,2,3,4-TCDD 18:40  
13C-1,2,3,7,8,9-HxCDD 32:49

\*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10  
Method 1613B: %RSD ≤20% natives, ≤30% labeled compounds; S/N ≥10  
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

ST1231B : CS-1 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
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





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



Run #2 Filename 31DE09A1D5 S: 3 I: 1  
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

## Comments:

Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80 y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76 y	18:08	0.77	2.00	n
Total TCDF	-	- n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79 y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72 y	18:53	0.77	2.00	n
Total TCDD	-	- n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64 y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66 y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.84	10.00	n
Total F2 PeCDF	-	- n	-	0.87	20.00	n
Total F1 PeCDF	-	- n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64 y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63 y	25:44	0.81	10.00	n
Total PeCDD	-	- n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.19	10.00	n
Total HxCDF	-	- n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	16376990	1.27 y	32:26	0.88	10.00	y
1,2,3,6,7,8-HxCDD	18917800	1.35 y	32:32	1.01	10.00	y
1,2,3,7,8,9-HxCDD	22185210	1.30 y	32:51	1.19	10.00	n
Total HxCDD	-	- n	-	1.02	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43 y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01 y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.00	10.00	n
Total HpCDF	-	- n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09 y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07 y	35:31	0.88	10.00	n
Total HpCDD	-	- n	-	0.88	10.00	n
13C-OCDD	295682000	0.89 y	38:18	0.54	200.00	n
OCDF	38310100	0.87 y	38:25	1.30	20.00	n

OCDD 28999100 0.89 y 38:19 0.98 20.00 n

Run #2 Filename 31DE09A1D5 S: 3 I: 1  
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

## Comments:

Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80 y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76 y	18:08	0.77	2.00	n
Total TCDF	-	- n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79 y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72 y	18:53	0.77	2.00	n
Total TCDD	-	- n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64 y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66 y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.84	10.00	n
Total F2 PeCDF	-	- n	-	0.87	20.00	n
Total F1 PeCDF	-	- n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64 y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63 y	25:44	0.81	10.00	n
Total PeCDD	-	- n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.19	10.00	n
Total HxCDF	-	- n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	14931616	1.45 n	32:26	0.80	10.00	n
1,2,3,6,7,8-HxCDD	18826110	1.21 y	32:32	1.01	10.00	n
1,2,3,7,8,9-HxCDD	22185220	1.30 y	32:51	1.19	10.00	n
Total HxCDD	-	- n	-	1.00	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43 y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01 y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.00	10.00	n
Total HpCDF	-	- n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09 y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07 y	35:31	0.88	10.00	n
Total HpCDD	-	- n	-	0.88	10.00	n
13C-OCDD	295682000	0.89 y	38:18	0.54	200.00	n
OCDF	38310100	0.87 y	38:25	1.30	20.00	n
OCDD	28999100	0.89 y	38:19	0.98	20.00	n

Run #3 Filename 31DE09A1D5 S: 4 I: 1  
 Acquired: 1-JAN-10 01:32:44 Processed: 4-JAN-10 07:30:49  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

## Comments:

Sample text: ST1231D :CS-3 09DXN425

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	307910000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	506106000	0.79 y	18:06	1.64	100.00	n
2,3,7,8-TCDF	44200100	0.76 y	18:07	0.87	10.00	n
Total TCDF	-	- n	-	0.87	10.00	n
13C-2,3,7,8-TCDD	310374000	0.80 y	18:52	1.01	100.00	n
2,3,7,8-TCDD	29546200	0.79 y	18:53	0.95	10.00	n
Total TCDD	-	- n	-	0.95	10.00	n
37Cl-2,3,7,8-TCDD	67170000	1.00 y	18:53	2.18	10.00	n
13C-1,2,3,7,8-PeCDF	335656000	1.65 y	23:30	1.09	100.00	n
1,2,3,7,8-PeCDF	174948900	1.63 y	23:32	1.04	50.00	n
2,3,4,7,8-PeCDF	162654400	1.64 y	24:57	0.97	50.00	n
Total F2 PeCDF	-	- n	-	1.01	100.00	n
Total F1 PeCDF	-	- n	-	1.01	100.00	n
13C-1,2,3,7,8-PeCDD	205985000	1.67 y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	97299200	1.65 y	25:43	0.94	50.00	n
Total PeCDD	-	- n	-	0.94	50.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28 y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51 y	31:25	0.90	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25 y	31:26	1.31	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25 y	31:35	1.48	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29 y	32:16	1.32	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26 y	33:02	1.44	50.00	n
Total HxCDF	-	- n	-	1.39	200.00	n
13C-1,2,3,6,7,8-HxCDD	199181900	1.29 y	32:31	0.75	100.00	n
1,2,3,4,7,8-HxCDD	97513000	1.26 y	32:26	0.98	50.00	n
1,2,3,6,7,8-HxCDD	109018400	1.29 y	32:32	1.09	50.00	n
1,2,3,7,8,9-HxCDD	132727200	1.29 y	32:50	1.33	50.00	n
Total HxCDD	-	- n	-	1.14	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	232544000	0.43 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	156361300	1.03 y	34:35	1.34	50.00	n
1,2,3,4,7,8,9-HpCDF	138612200	1.05 y	35:52	1.19	50.00	n
Total HpCDF	-	- n	-	1.27	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	199167200	1.09 y	35:30	0.75	100.00	n
1,2,3,4,6,7,8-HpCDD	105004000	1.05 y	35:31	1.05	50.00	n
Total HpCDD	-	- n	-	1.05	50.00	n
13C-OCDD	301292000	0.91 y	38:17	0.57	200.00	n
OCDF	228515000	0.90 y	38:25	1.52	100.00	n
OCDD	174447000	0.89 y	38:18	1.16	100.00	n

Run #4 Filename 31DE09A1D5 S: 5 I: 1  
 Acquired: 1-JAN-10 02:14:32 Processed: 4-JAN-10 07:30:49  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

## Comments:

Sample text: ST1231E :CS-4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	360177000	0.81 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	552269000	0.80 y	18:06	1.53	100.00	n
2,3,7,8-TCDF	200867500	0.77 y	18:07	0.91	40.00	n
Total TCDF	-	- n	-	0.91	40.00	n
13C-2,3,7,8-TCDD	350941000	0.80 y	18:52	0.97	100.00	n
2,3,7,8-TCDD	141705800	0.77 y	18:53	1.01	40.00	n
Total TCDD	-	- n	-	1.01	40.00	n
37Cl-2,3,7,8-TCDD	335352000	1.00 y	18:53	2.33	40.00	n
13C-1,2,3,7,8-PeCDF	369215000	1.63 y	23:31	1.03	100.00	n
1,2,3,7,8-PeCDF	814732000	1.58 y	23:32	1.10	200.00	n
2,3,4,7,8-PeCDF	775079000	1.57 y	24:57	1.05	200.00	n
Total F2 PeCDF	-	- n	-	1.08	400.00	n
Total F1 PeCDF	-	- n	-	1.08	400.00	n
13C-1,2,3,7,8-PeCDD	239834200	1.64 y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	500625000	1.60 y	25:44	1.04	200.00	n
Total PeCDD	-	- n	-	1.04	200.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51 y	31:25	0.76	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26 y	31:26	1.33	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27 y	31:35	1.51	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26 y	32:16	1.36	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26 y	33:02	1.57	200.00	n
Total HxCDF	-	- n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	219899700	1.29 y	32:31	0.61	100.00	n
1,2,3,4,7,8-HxCDD	507310000	1.25 y	32:27	1.15	200.00	n
1,2,3,6,7,8-HxCDD	512249000	1.28 y	32:32	1.16	200.00	n
1,2,3,7,8,9-HxCDD	690425000	1.27 y	32:51	1.57	200.00	n
Total HxCDD	-	- n	-	1.30	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	278355600	0.44 y	34:34	0.78	100.00	n
1,2,3,4,6,7,8-HpCDF	784068000	1.04 y	34:35	1.41	200.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04 y	35:53	1.27	200.00	n
Total HpCDF	-	- n	-	1.34	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	244993000	1.09 y	35:31	0.68	100.00	n
1,2,3,4,6,7,8-HpCDD	539498000	1.05 y	35:31	1.10	200.00	n
Total HpCDD	-	- n	-	1.10	200.00	n
13C-OCDD	366780000	0.90 y	38:18	0.51	200.00	n
OCDF	1195334000	0.91 y	38:25	1.63	400.00	n
OCDD	901352000	0.90 y	38:18	1.23	400.00	n



Run #5 Filename 31DE09A1D5 S: 6 I: 1  
 Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 07:30:50  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

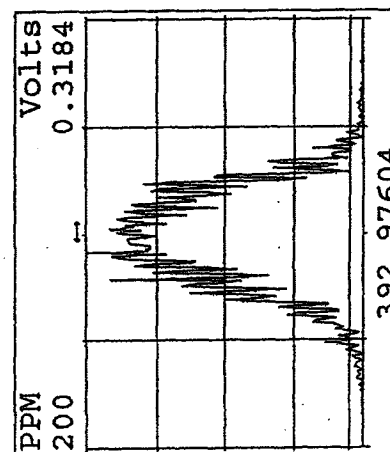
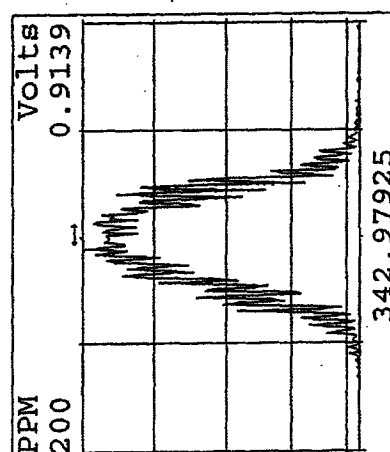
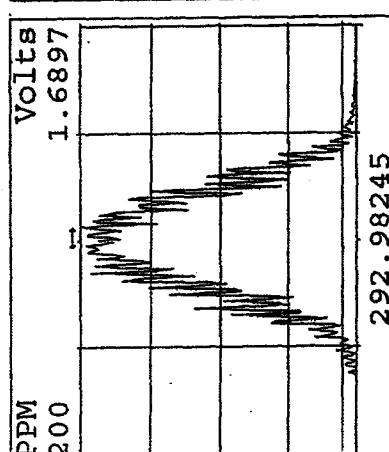
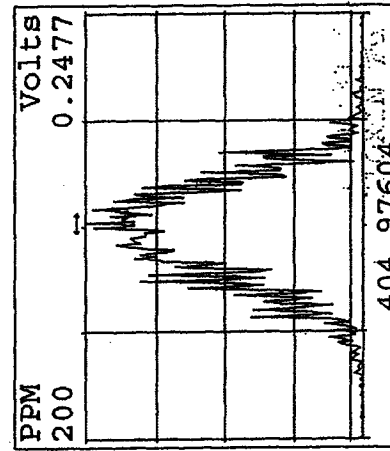
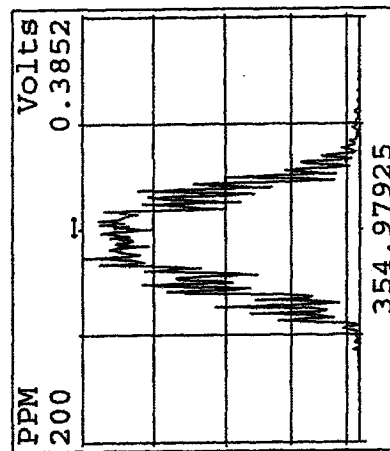
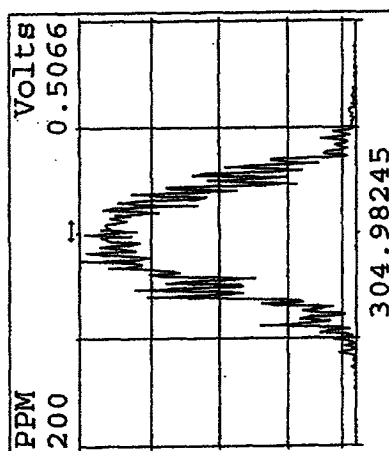
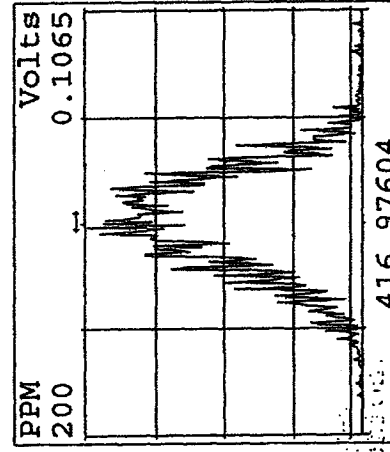
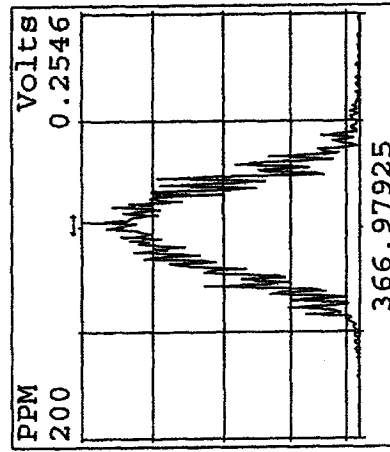
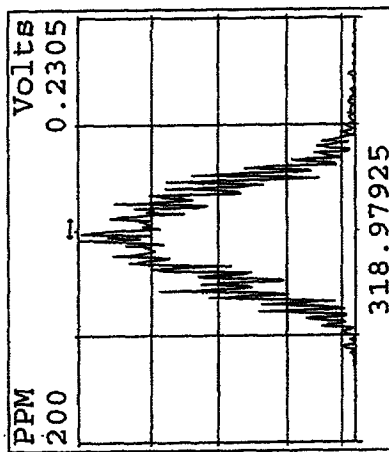
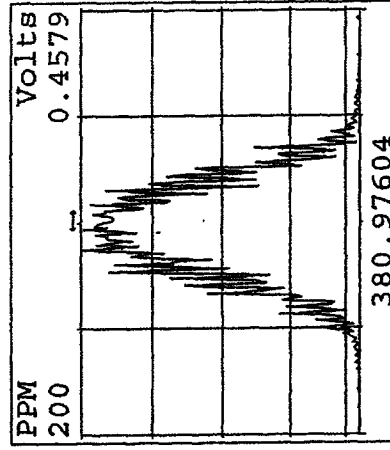
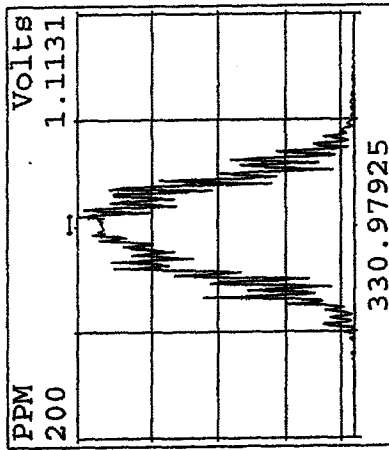
## Comments:

Sample text: ST1231F :CS-5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
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13C-2,3,7,8-TCDF	370833000	0.77 y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76 y	18:06	0.98	200.00	n
Total TCDF	-	- n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80 y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78 y	18:52	1.07	200.00	n
Total TCDD	-	- n	-	1.07	200.00	n
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.74	200.00	n
13C-1,2,3,7,8-PeCDF	283018000	1.63 y	23:30	1.26	100.00	n
1,2,3,7,8-PeCDF	3129820000	1.57 y	23:32	1.11	1000.00	n
2,3,4,7,8-PeCDF	2975790000	1.57 y	24:57	1.05	1000.00	n
Total F2 PeCDF	-	- n	-	1.08	2000.00	n
Total F1 PeCDF	-	- n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	178526400	1.62 y	25:42	0.80	100.00	n
1,2,3,7,8-PeCDD	1892442000	1.58 y	25:44	1.06	1000.00	n
Total PeCDD	-	- n	-	1.06	1000.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51 y	31:25	0.94	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24 y	31:27	1.32	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.45	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.36	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.42	1000.00	n
Total HxCDF	-	- n	-	1.38	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27 y	32:31	0.78	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25 y	32:27	1.11	1000.00	n
1,2,3,6,7,8-HxCDD	2046135000	1.28 y	32:32	1.15	1000.00	n
1,2,3,7,8,9-HxCDD	2448250000	1.27 y	32:51	1.37	1000.00	n
Total HxCDD	-	- n	-	1.21	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	201777500	0.44 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	2821880000	1.05 y	34:35	1.40	1000.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04 y	35:53	1.27	1000.00	n
Total HpCDF	-	- n	-	1.33	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	180867800	1.08 y	35:31	0.79	100.00	n
1,2,3,4,6,7,8-HpCDD	1991700000	1.05 y	35:32	1.10	1000.00	n
Total HpCDD	-	- n	-	1.10	1000.00	n
13C-OCDD	281979000	0.89 y	38:19	0.61	200.00	n
OCDF	4472470000	0.91 y	38:26	1.59	2000.00	n
OCDD	3427190000	0.90 y	38:20	1.22	2000.00	n

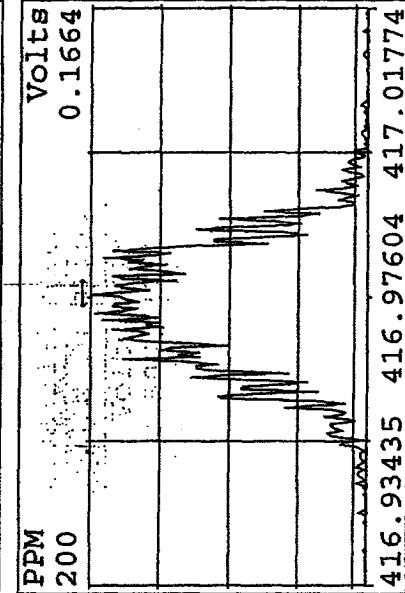
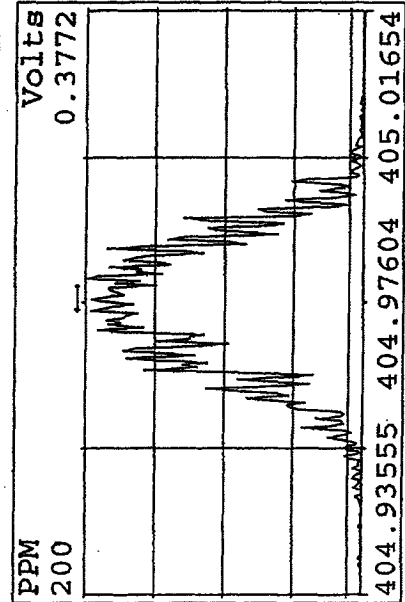
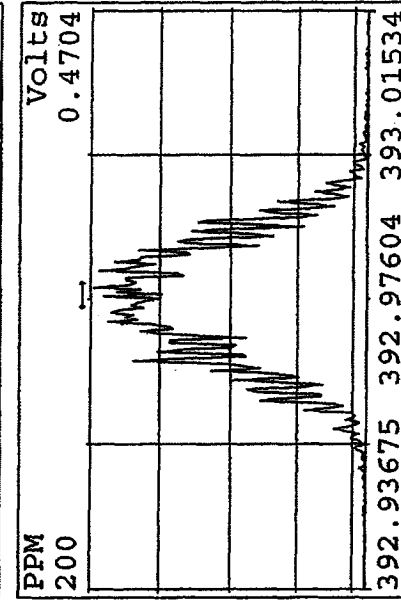
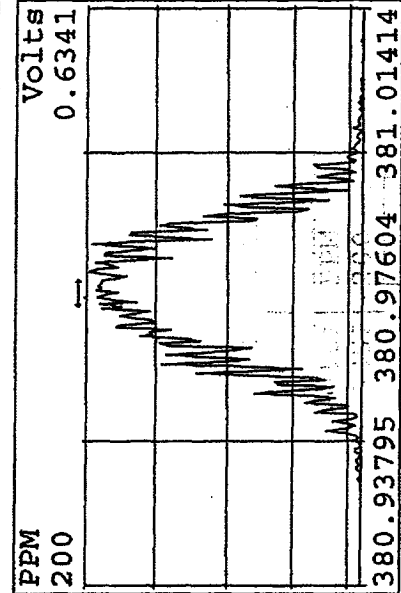
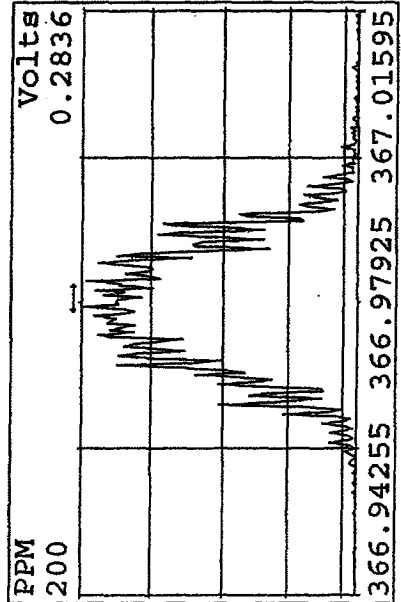
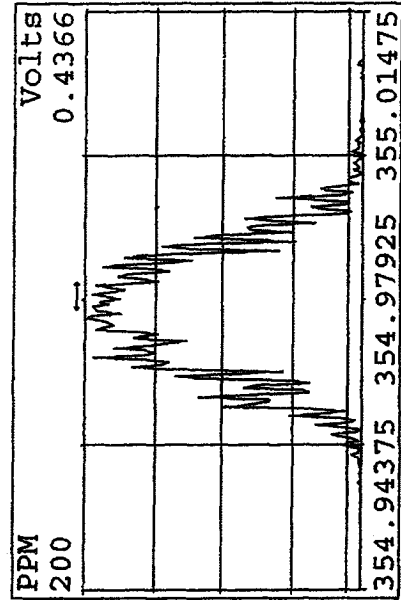
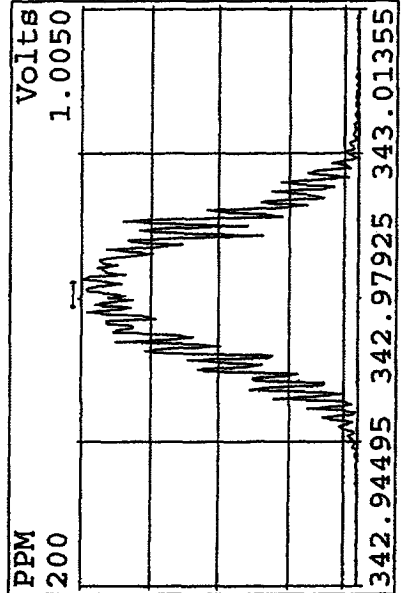
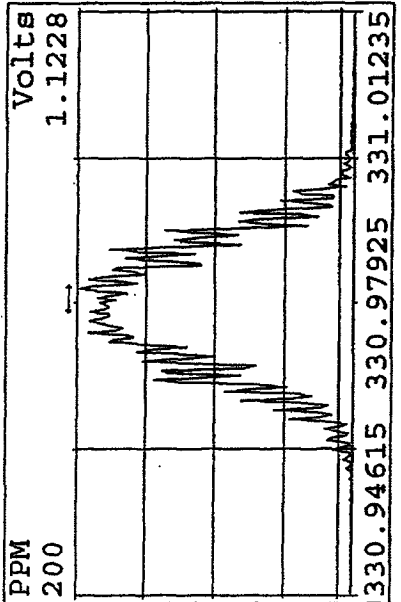
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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31DE09A1D5	2	ST1231B	CS-1 09DXN422				1.000	
31DE09A1D5	3	ST1231C	CS-2 09DXN423				1.000	
31DE09A1D5	4	ST1231D	CS-3 09DXN425				1.000	
31DE09A1D5	5	ST1231E	CS-4 09DXN426				1.000	
31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
31DE09A1D5	8	ST1231G	2nd Source 09DXN449	500	1613B/8290		1.000	
31DE09A1D5	9						1.000	
31DE09A1D5	10						1.000	
31DE09A1D5	11						1.000	
31DE09A1D5	12						1.000	
31DE09A1D5	13						1.000	
31DE09A1D5	14						1.000	
31DE09A1D5	15		AM 12-31-09				1.000	
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Peak Locate Examination:31-DEC-2009:23:19 File:31DE09A1D5  
 Experiment:DIOXIN Function:1 Reference:PFK

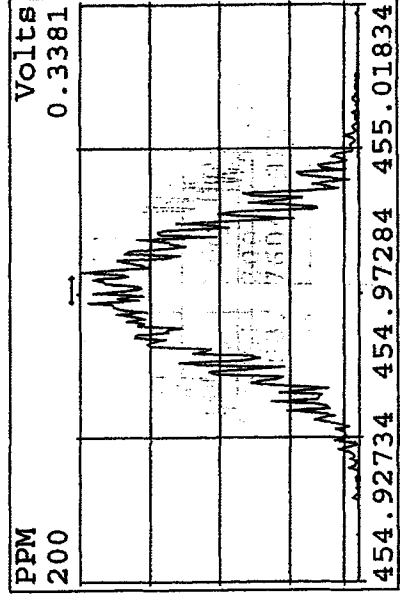
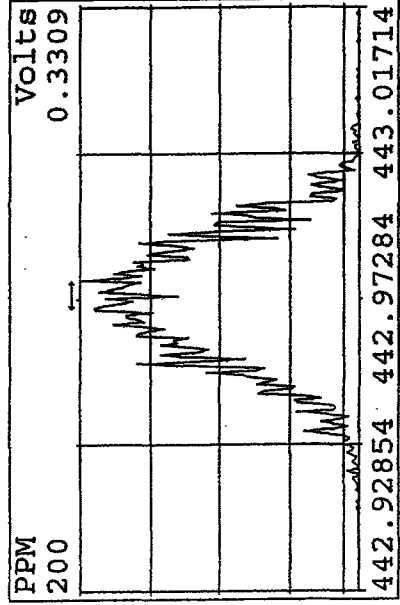
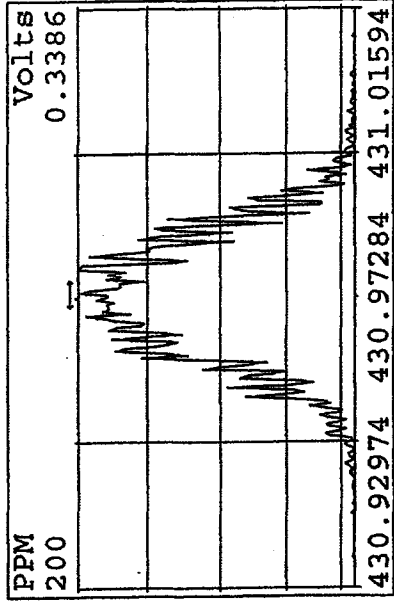
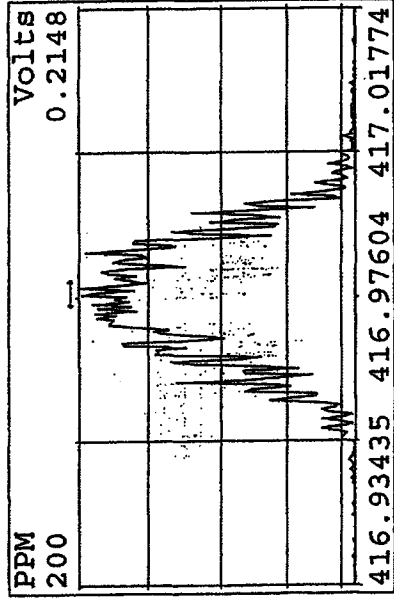
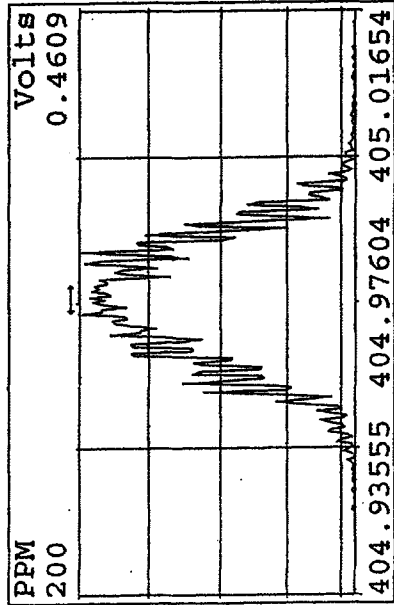
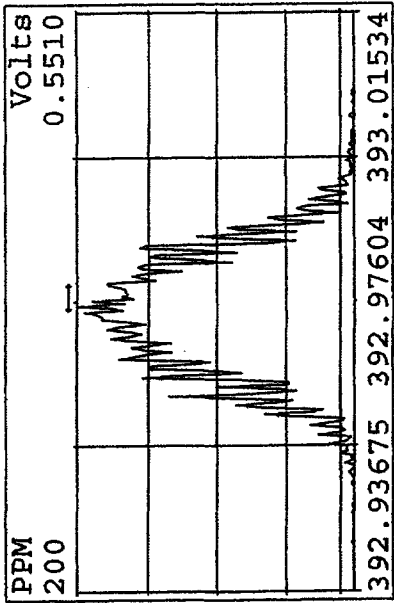
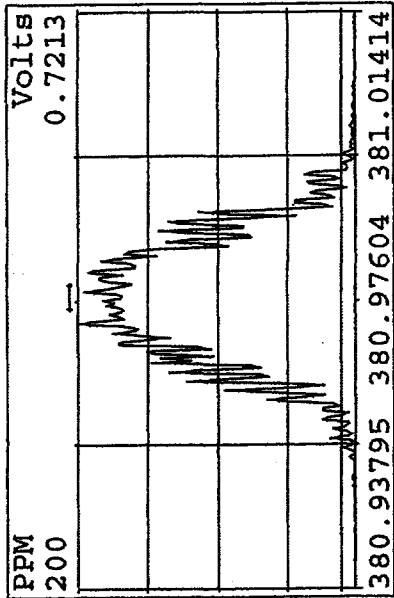
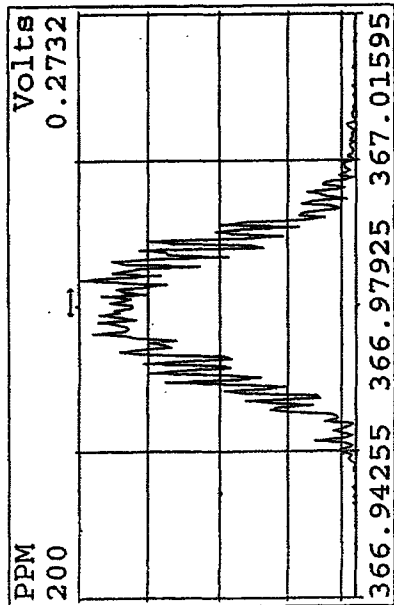


PPM 200  
 Volts 0.5066

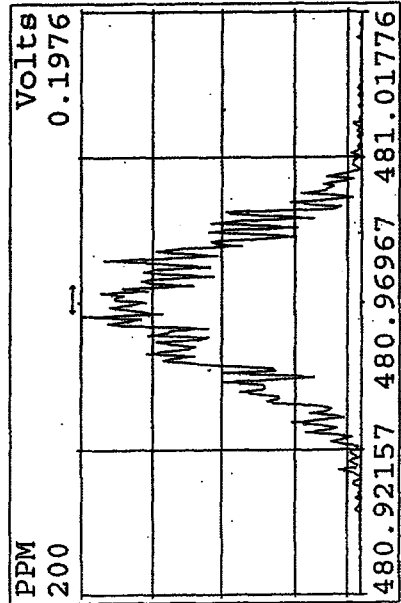
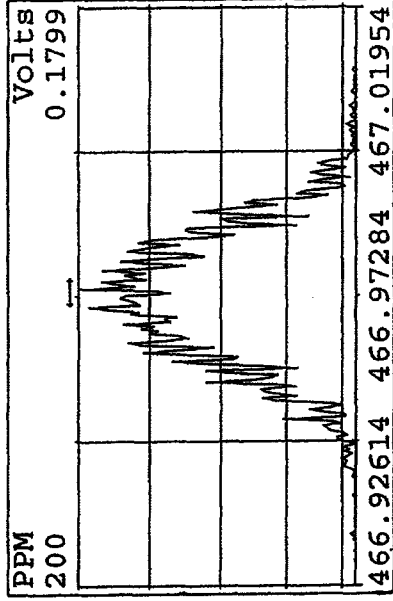
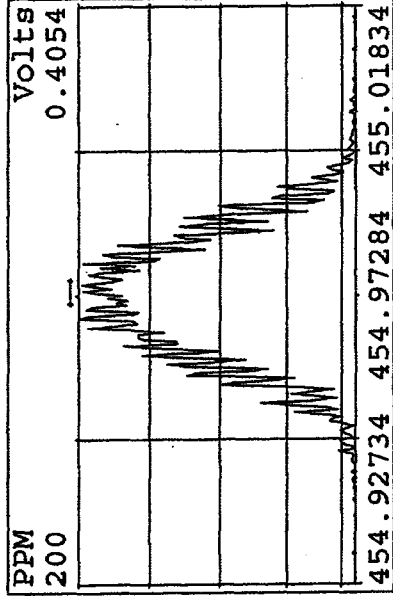
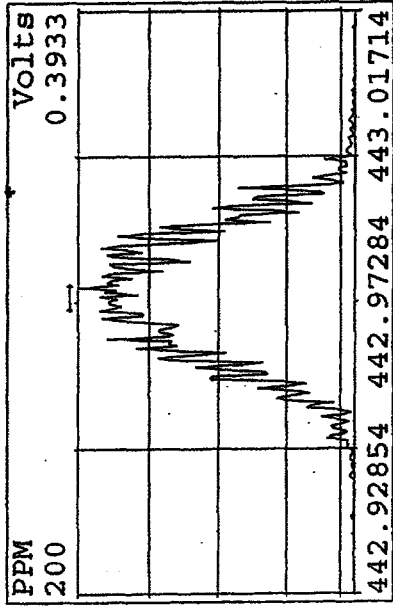
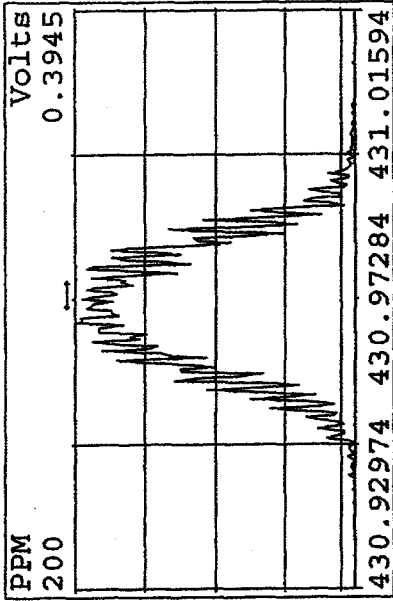
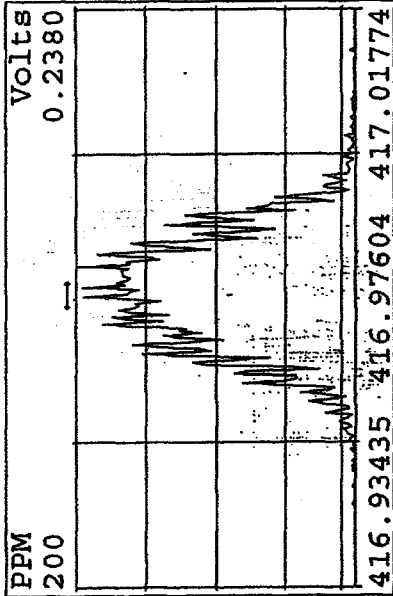
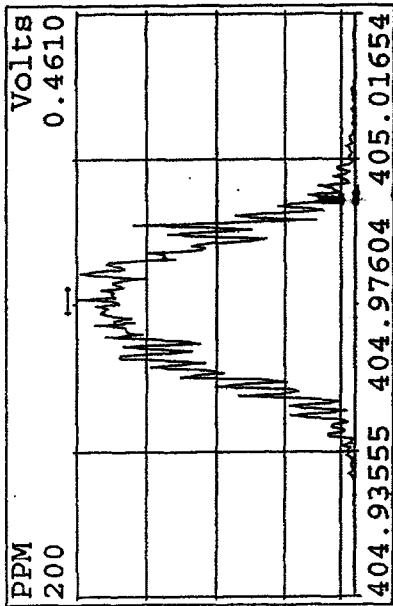
Peak Locate Examination:31-DEC-2009:23:20 File:31DE09AID5  
 Experiment:DIOXIN Function:2 Reference:PFK



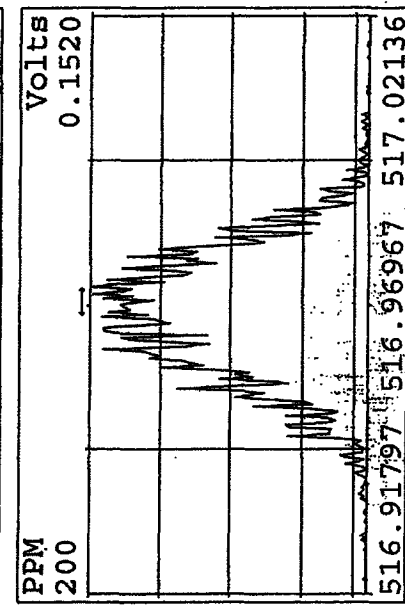
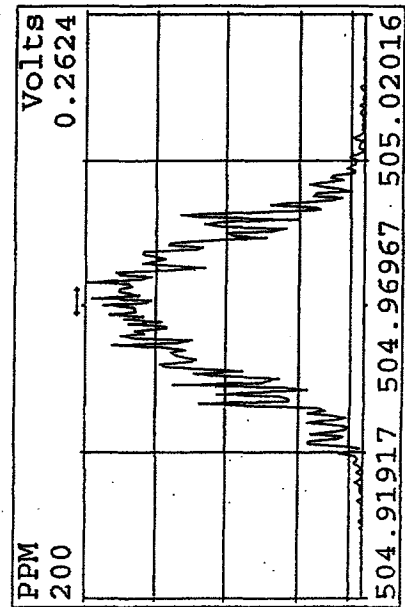
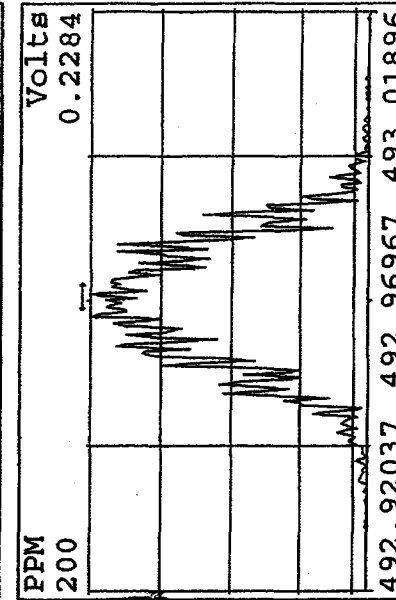
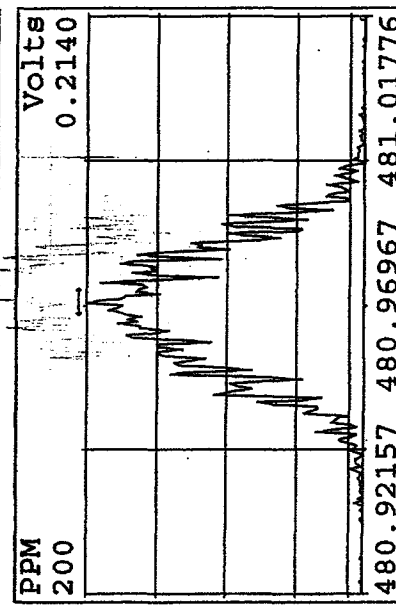
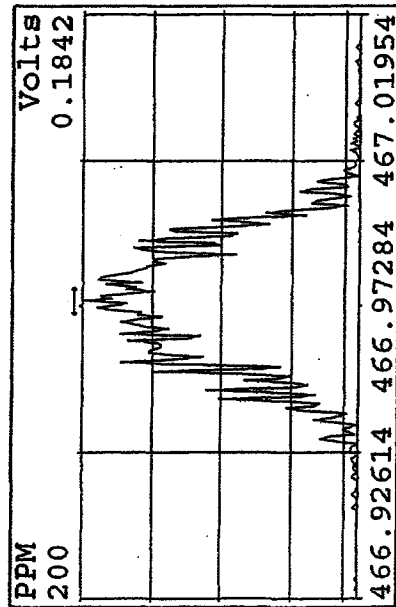
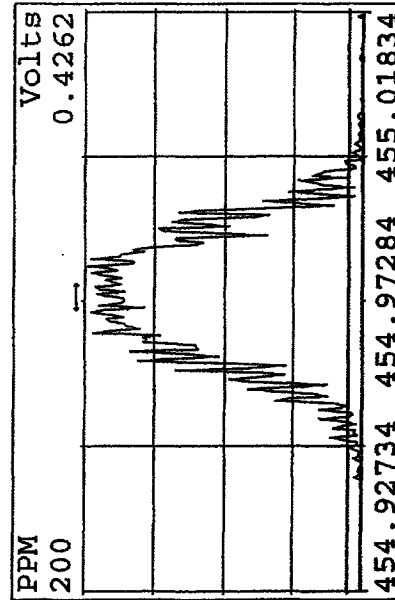
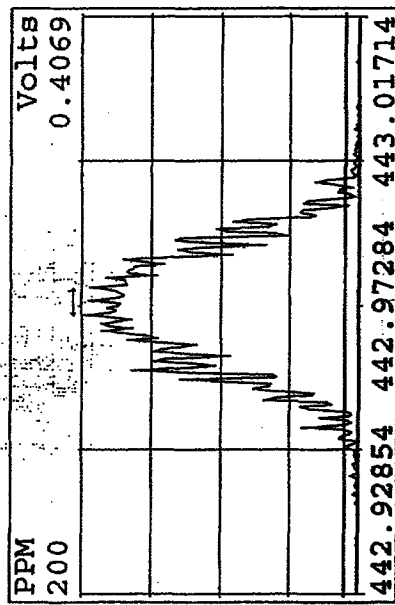
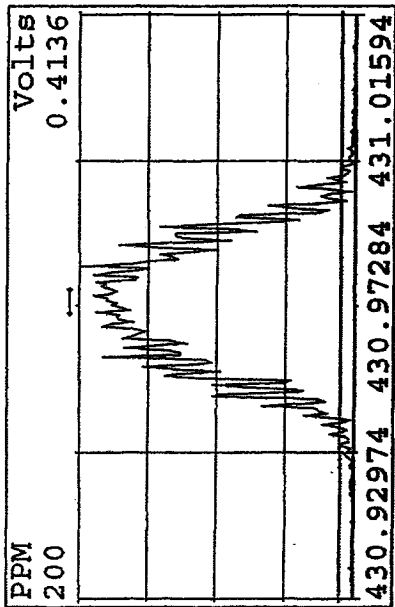
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



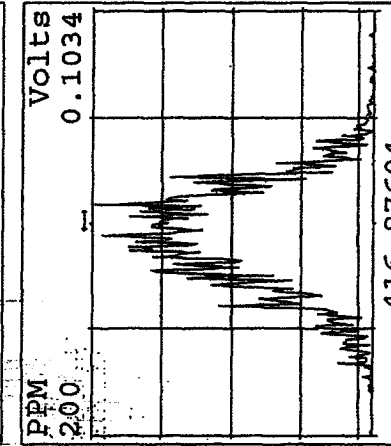
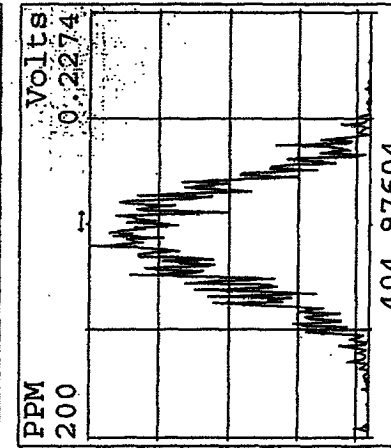
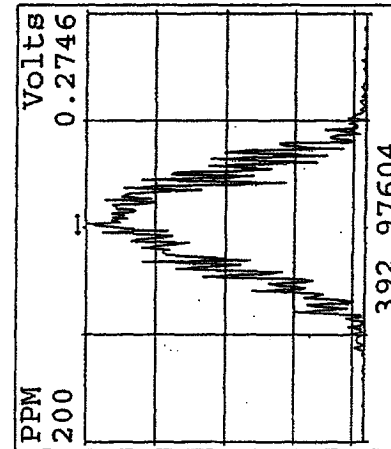
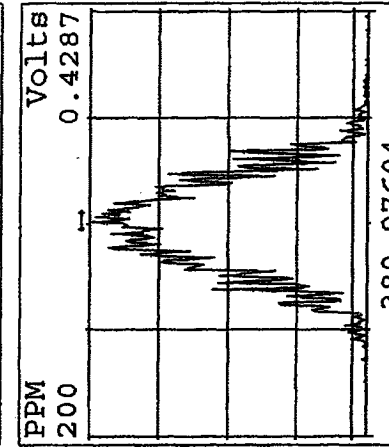
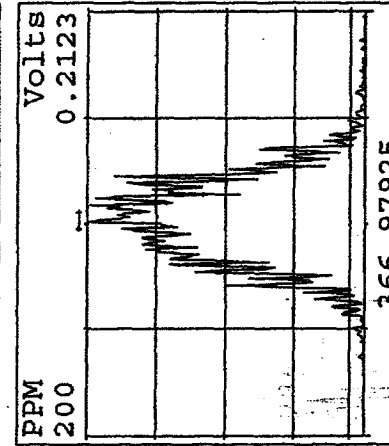
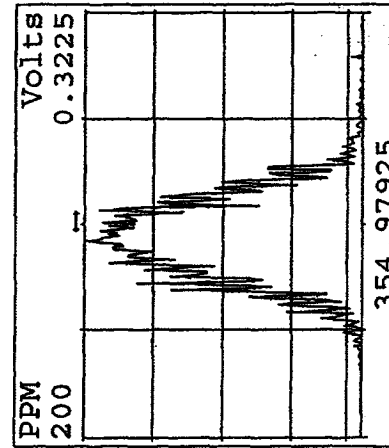
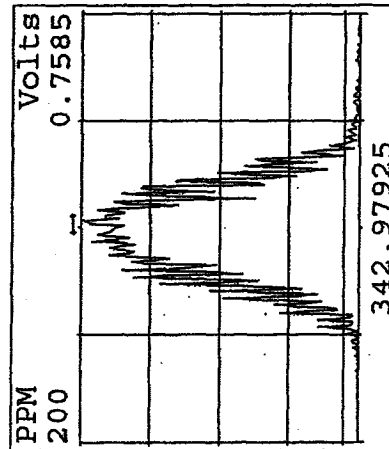
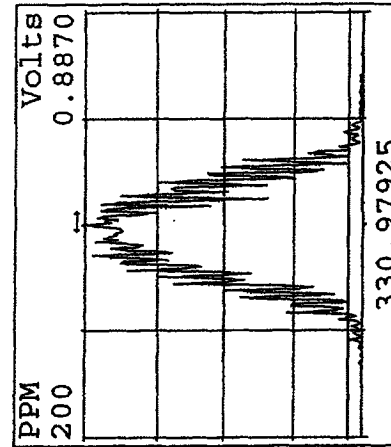
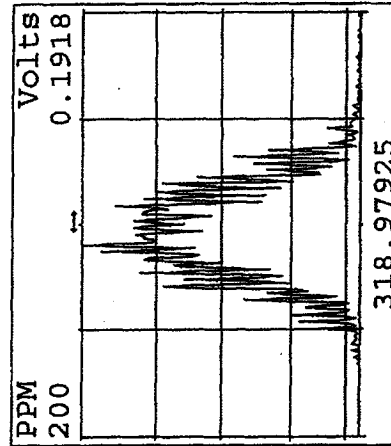
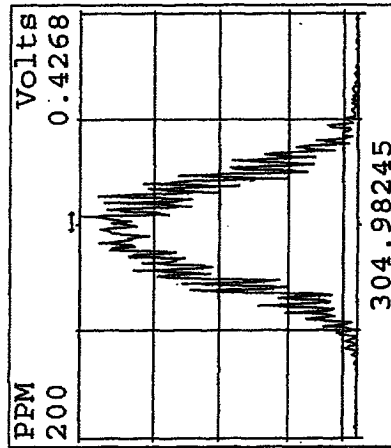
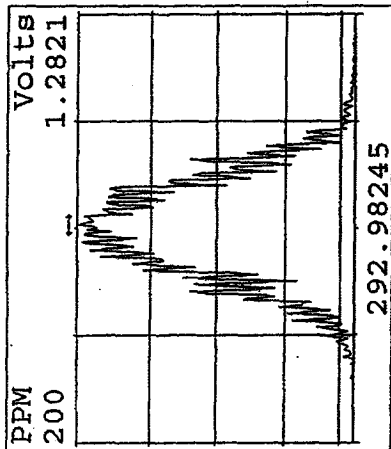
Peak Locate Examination:31-DEC-2009:23:22 File:31DE09A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 31-DEC-2009:23:24 File:31DE09A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK

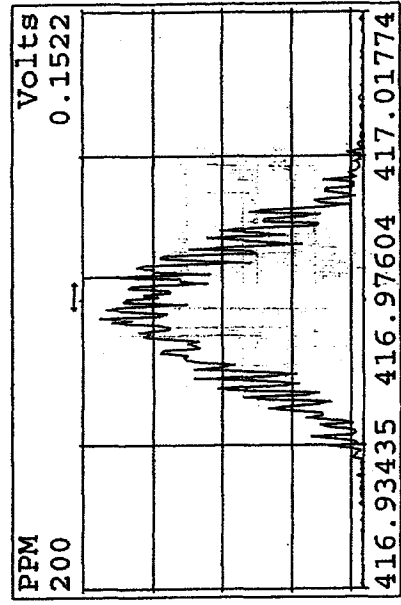
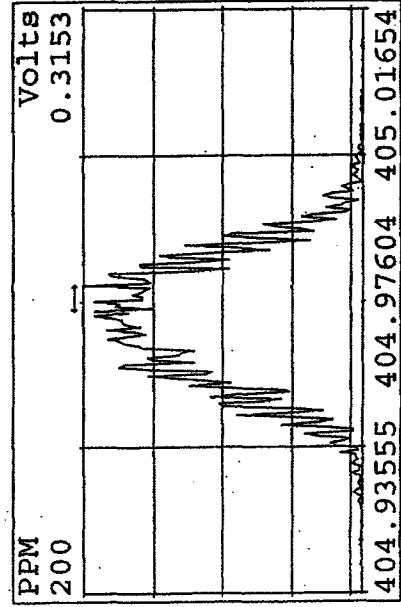
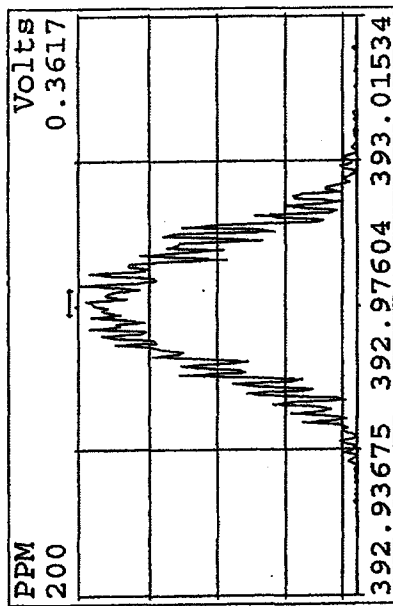
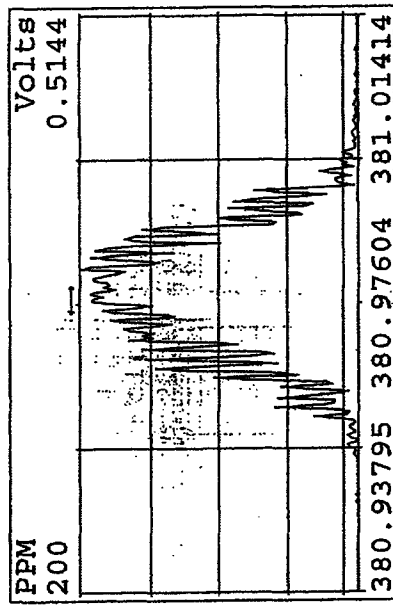
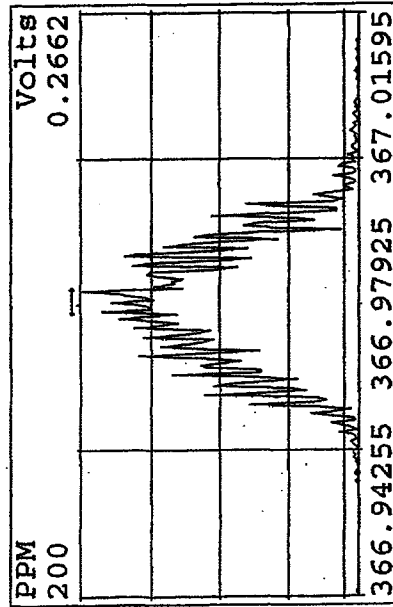
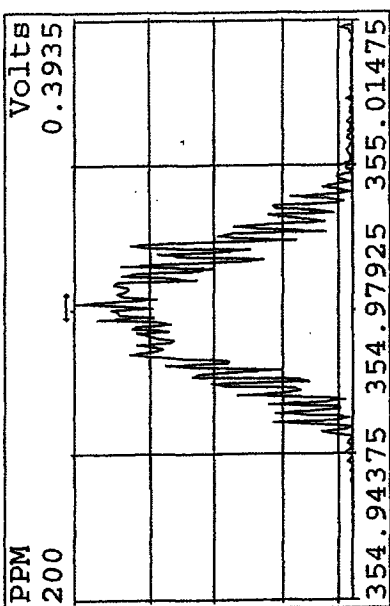
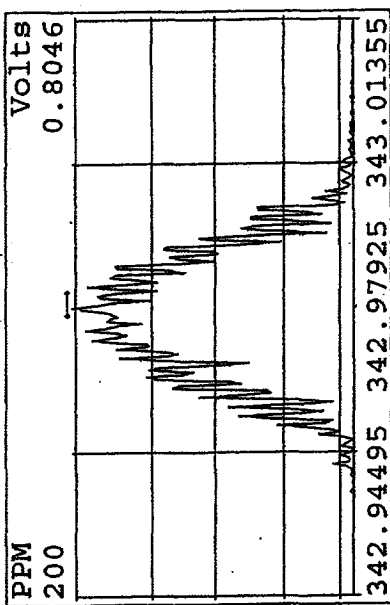
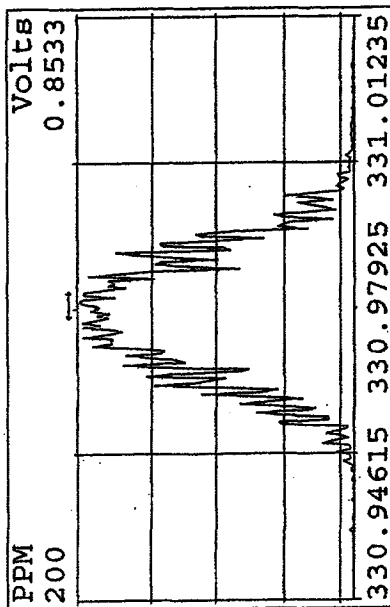


Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5  
Experiment:DIOXIN Function:1 Reference:PFK

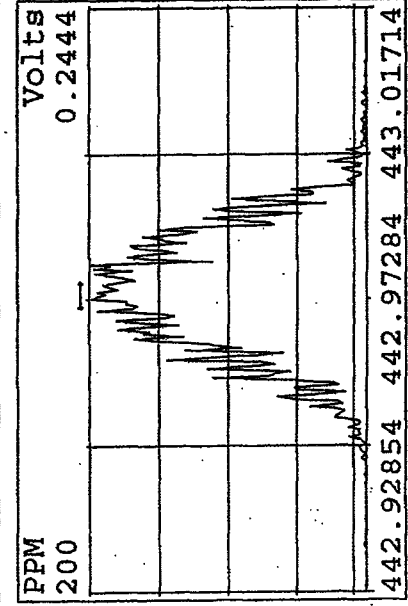
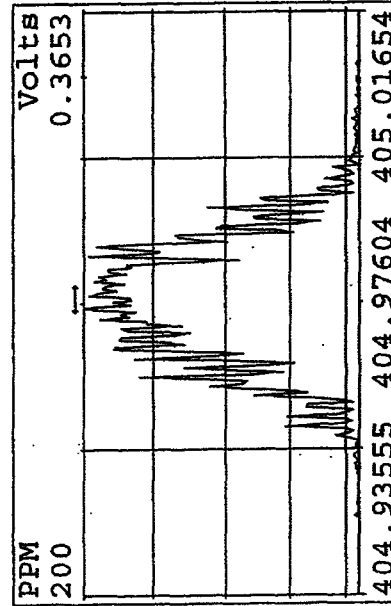
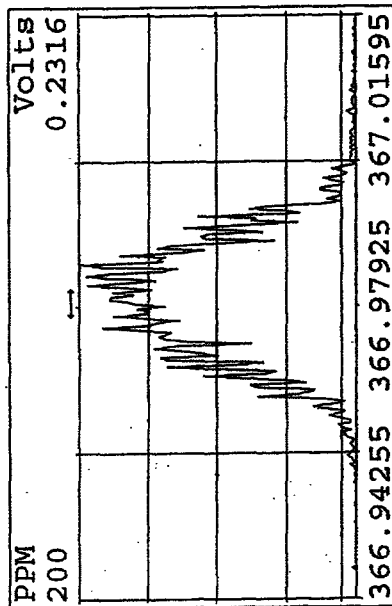
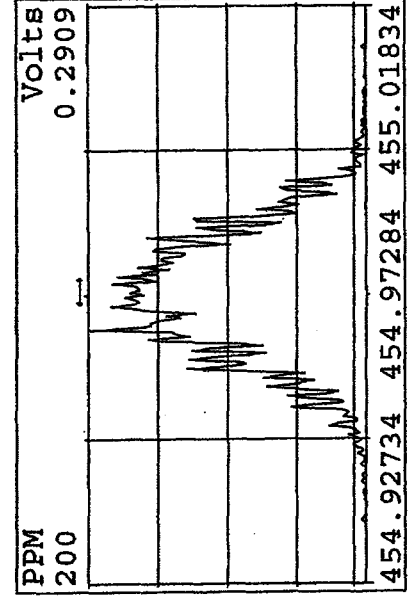
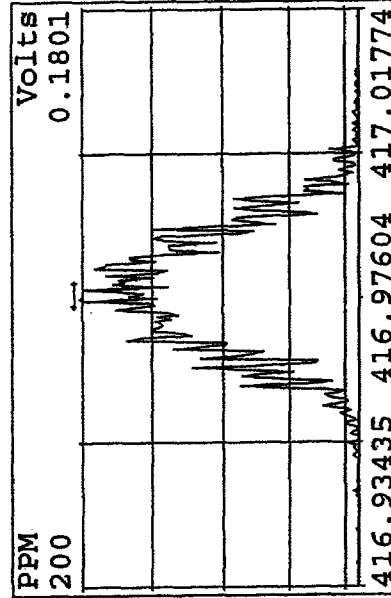
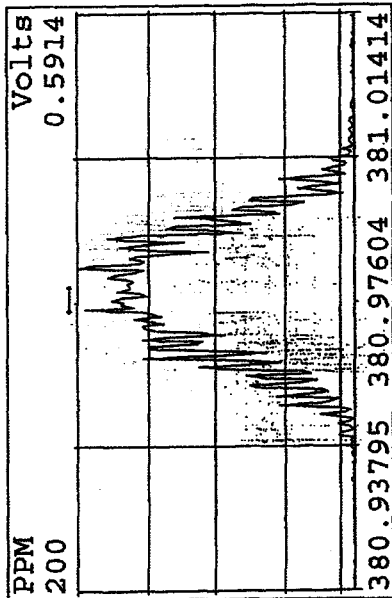
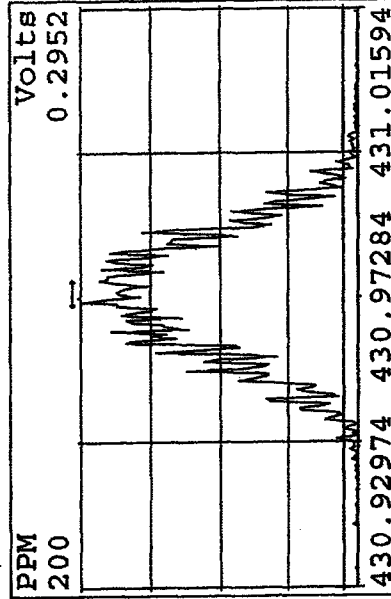
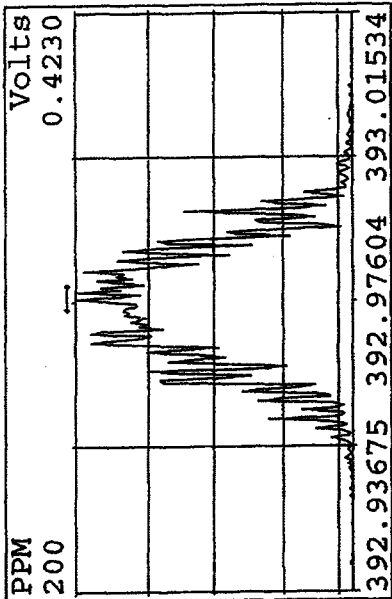




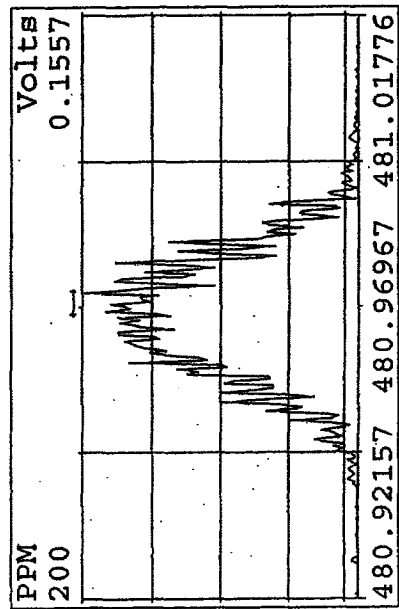
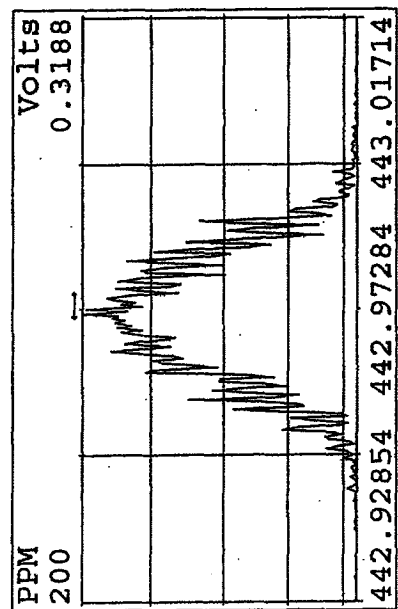
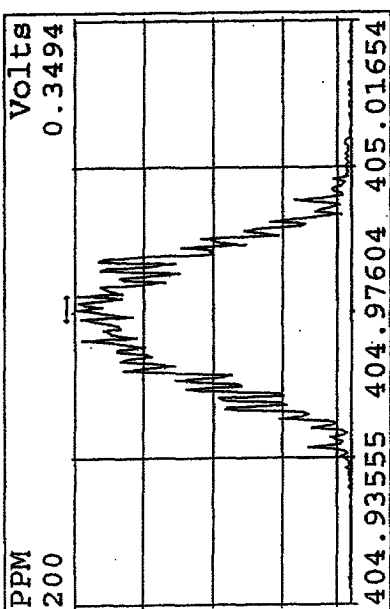
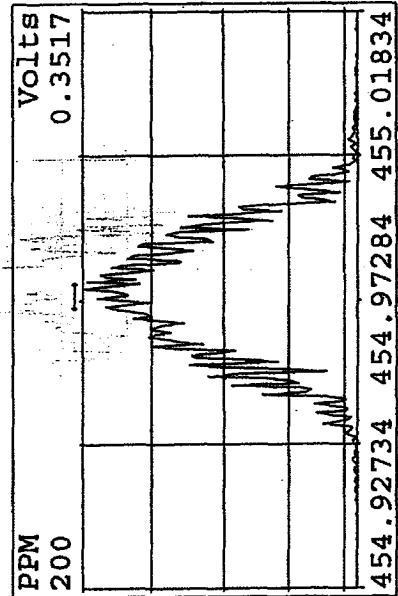
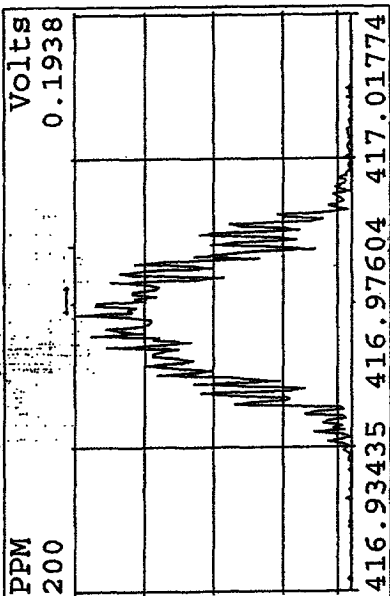
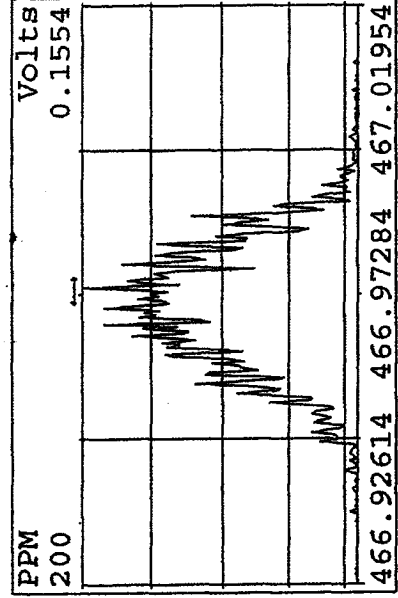
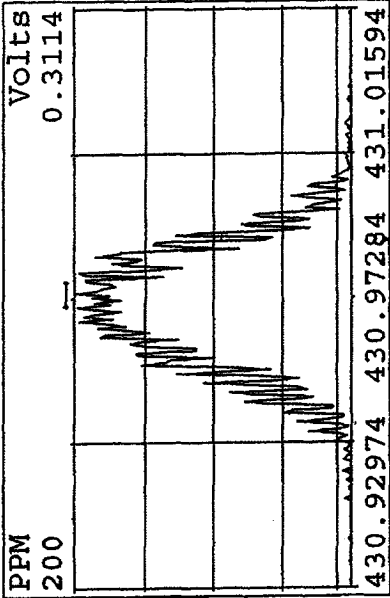
Peak Locate Examination: 1-JAN-2010:07:37 File:RESCHECK1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



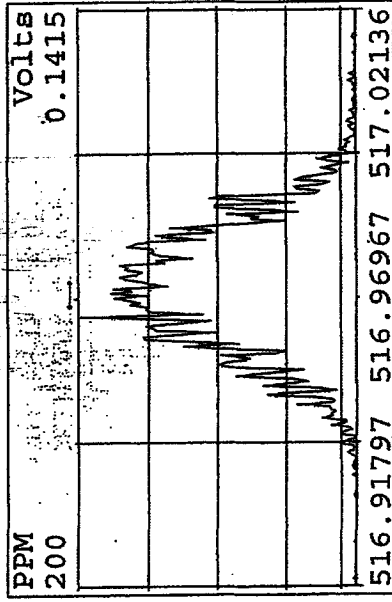
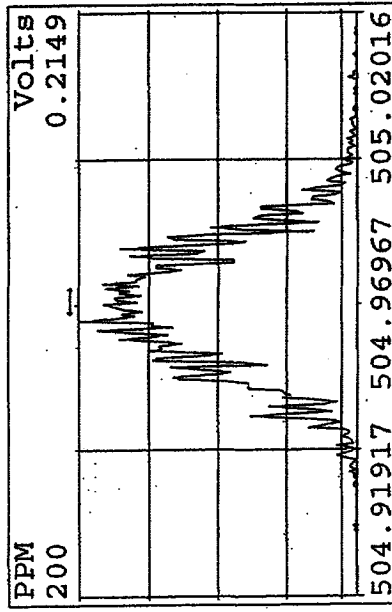
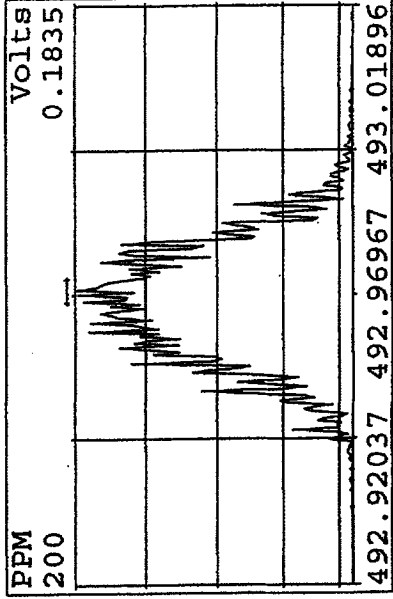
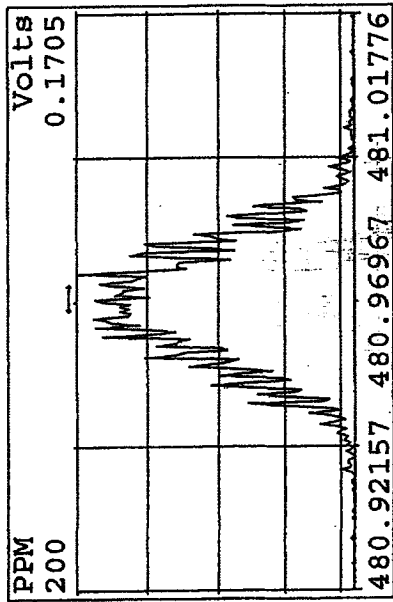
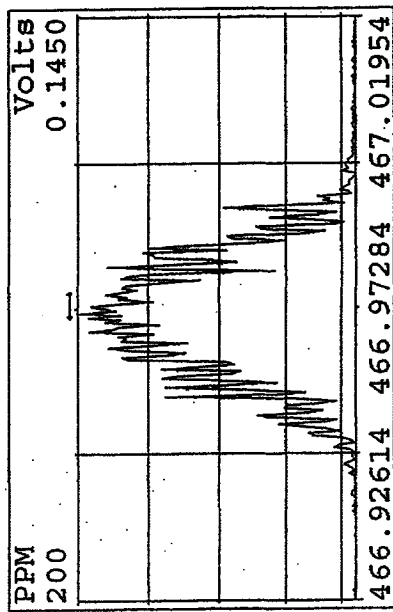
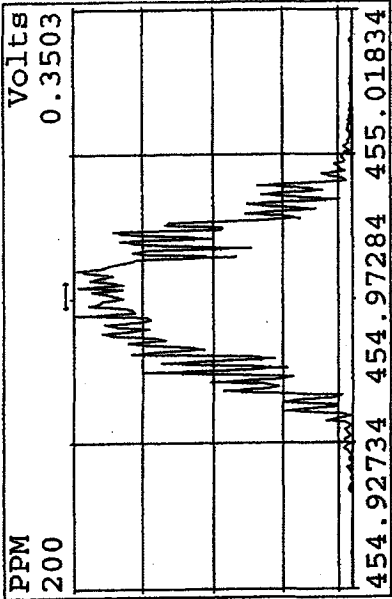
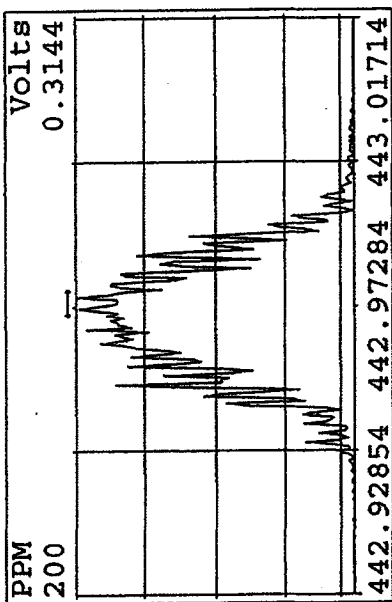
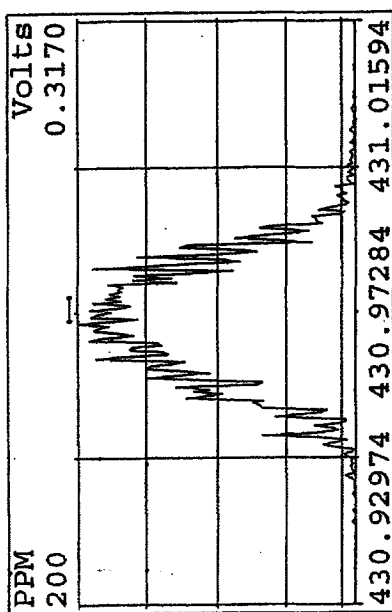
Peak Locate Examination: 1-JAN-2010:07:38 File:RESCHECKID5  
 Experiment:DIOXIN Function:3 Reference:PFK



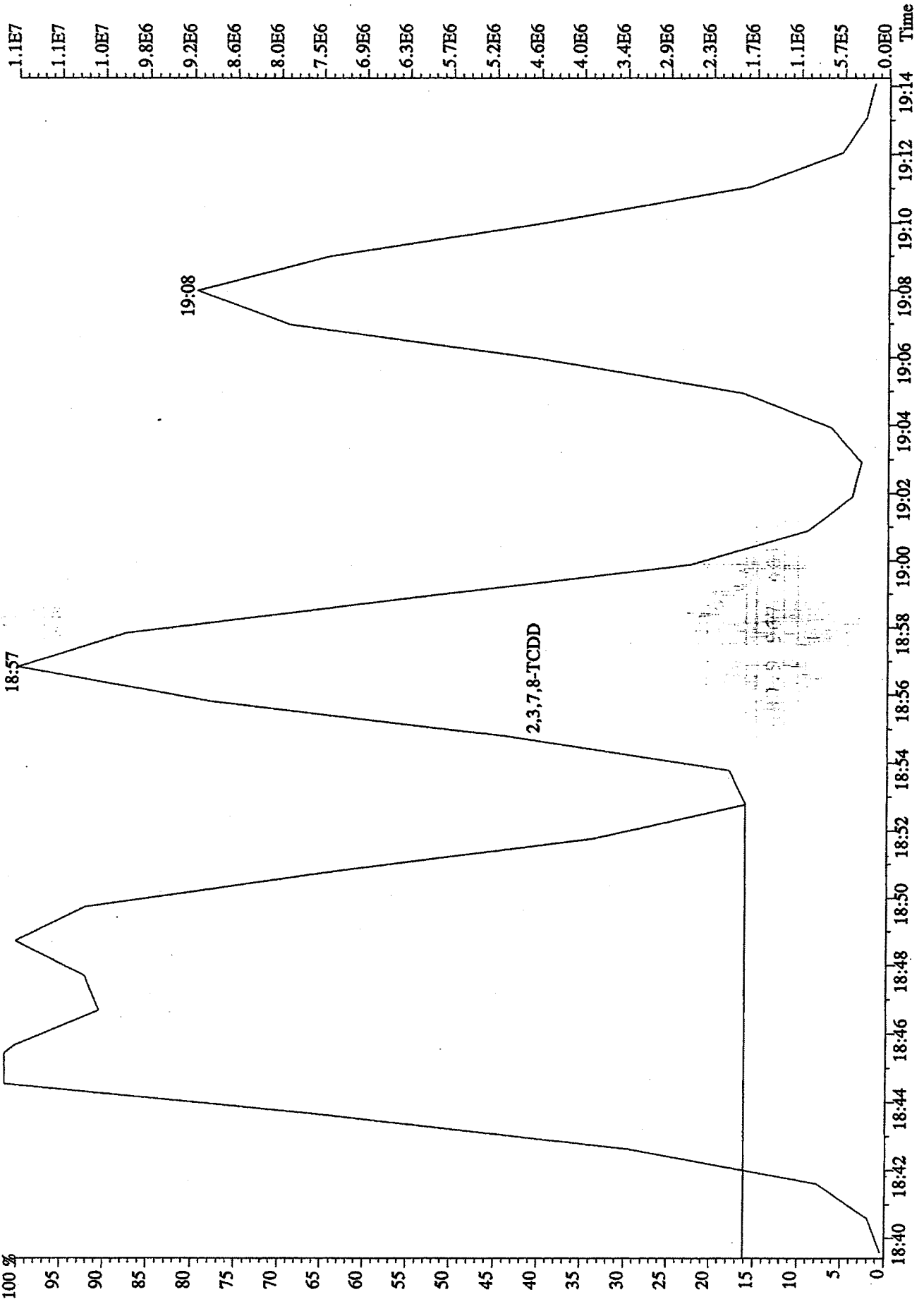
Peak Locate Examination: 14JAN-2010:07:39 File:RESCHECKLD5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 1-JAN-2010:07:40 File:RESCHECK1D5  
 Experiment:DIOXIN Function:5 Reference:PFK



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  
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

.3C-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

Method ID 8290

Associated ICAL 82901231091D5

Column ID DB5

Instrument ID 1D5

STD ID ST0106, ST0106A

STD Solution 09DXN425

Analyzed by AM, KSS

Date Analyzed 01/06/10, 01/07/10

Std. Pkg. By JRB

Date Std. Pkg. Assembled 01/07/10

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 01/07/10

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: ST0106 File text: CS-3 09DXN425  
 Run #6 Filename 06JA10A1D5 S: 1 I: 1  
 Acquired: 6-JAN-10 22:09:57 Processed: 6-JAN-10 22:50:07  
 Run: 06JA10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 06JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	175179500	0.81 y	18:46	-	100.00	-	n
13C-2,3,7,8-TCDF	303387000	0.79 y	18:12	1.73	100.00	10.6	n
2,3,7,8-TCDF	25886600	0.76 y	18:13	0.85	10.00	-0.8	n
Total TCDF	26083434	1.20 n	17:14	0.85	10.00	-0.8	n
13C-2,3,7,8-TCDD	174858800	0.81 y	18:57	1.00	100.00	0.5	n
2,3,7,8-TCDD	16049430	0.79 y	18:59	0.92	10.00	-1.7	n
Total TCDD	16129202	0.79 y	18:59	0.92	10.00	-1.7	n
37Cl-2,3,7,8-TCDD	38272800	1.00 y	18:59	2.18	10.00	-1.5	n
13C-1,2,3,7,8-PeCDF	212165600	1.66 y	23:37	1.21	100.00	12.9	n
1,2,3,7,8-PeCDF	108606100	1.58 y	23:38	1.02	50.00	2.4	n
2,3,4,7,8-PeCDF	104368700	1.58 y	25:04	0.98	50.00	4.8	n
Total F2 PeCDF	214730039	1.58 y	23:38	1.00	100.00	3.6	n
Total F1 PeCDF	54868	0.84 n	20:41	1.00	100.00	3.6	n
13C-1,2,3,7,8-PeCDD	114986800	1.68 y	25:49	0.66	100.00	-1.5	n
1,2,3,7,8-PeCDD	58465300	1.65 y	25:51	1.02	50.00	9.4	n
Total PeCDD	58465300	1.65 y	25:51	1.02	50.00	9.4	n
13C-1,2,3,7,8,9-HxCDD	160863900	1.28 y	32:53	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	150491400	0.51 y	31:29	0.94	100.00	4.8	n
1,2,3,4,7,8-HxCDF	97046700	1.27 y	31:30	1.29	50.00	7.6	n
1,2,3,6,7,8-HxCDF	107306200	1.27 y	31:39	1.43	50.00	4.0	n
2,3,4,6,7,8-HxCDF	96569500	1.24 y	32:19	1.28	50.00	3.3	n
1,2,3,7,8,9-HxCDF	97688700	1.27 y	33:05	1.30	50.00	-2.1	n
Total HxCDF	398611100	1.27 y	31:30	1.32	200.00	3.1	n
13C-1,2,3,6,7,8-HxCDD	122663700	1.29 y	32:33	0.76	100.00	4.2	n
1,2,3,4,7,8-HxCDD	59282400	1.29 y	32:29	0.97	50.00	-0.3	n
1,2,3,6,7,8-HxCDD	70411300	1.31 y	32:34	1.15	50.00	8.5	n
1,2,3,7,8,9-HxCDD	83064500	1.29 y	32:53	1.35	50.00	6.2	n
Total HxCDD	212758200	1.29 y	32:29	1.16	150.00	5.0	n
13C-1,2,3,4,6,7,8-HpCDF	146636200	0.43 y	34:36	0.91	100.00	6.0	n
1,2,3,4,6,7,8-HpCDF	100283500	1.08 y	34:37	1.37	50.00	6.3	n
1,2,3,4,7,8,9-HpCDF	81404600	1.07 y	35:55	1.11	50.00	-2.2	n
Total HpCDF	181688100	1.08 y	34:37	1.24	100.00	2.3	n
13C-1,2,3,4,6,7,8-HpCDD	121623100	1.08 y	35:32	0.76	100.00	0.5	n
1,2,3,4,6,7,8-HpCDD	62777600	1.06 y	35:33	1.03	50.00	3.5	n
Total HpCDD	63030391	1.28 n	34:55	1.03	50.00	3.5	n
13C-OCDD	166760600	0.90 y	38:21	0.52	200.00	-8.2	n
OCDF	127916300	0.89 y	38:28	1.53	100.00	6.7	n
OCDD	96598000	0.89 y	38:28	1.16	100.00	4.4	n

Run text: ST0106A File text: ST0106A :CS3 09DXN425  
 Run #18 Filename 06JA10A1D5 S: 15 I: 1  
 Acquired: 7-JAN-10 07:55:09 Processed: 7-JAN-10 09:20:46  
 Run: 06JA10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 06JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	203753832	0.82 y	18:41	-	100.00	-	n
13C-2,3,7,8-TCDF	347086704	0.79 y	18:08	1.70	100.00	8.8	n
2,3,7,8-TCDF	32308443	0.73 y	18:09	0.93	10.00	8.3	n
Total TCDF	32521789	0.59 n	17:44	0.93	10.00	8.3	n
13C-2,3,7,8-TCDD	202036632	0.81 y	18:53	0.99	100.00	-0.2	n
2,3,7,8-TCDD	19074642	0.77 y	18:54	0.94	10.00	1.1	n
Total TCDD	19074642	0.77 y	18:54	0.94	10.00	1.1	n
37Cl-2,3,7,8-TCDD	45019048	1.00 y	18:54	2.21	10.00	-0.4	n
13C-1,2,3,7,8-PeCDF	241815968	1.63 y	23:32	1.19	100.00	10.6	n
1,2,3,7,8-PeCDF	134775432	1.63 y	23:34	1.11	50.00	11.5	n
2,3,4,7,8-PeCDF	125977516	1.63 y	24:59	1.04	50.00	11.0	n
Total F2 PeCDF	262349301	1.69 y	22:06	1.08	100.00	11.2	n
Total F1 PeCDF	122752	0.51 n	16:02	1.08	100.00	11.2	n
13C-1,2,3,7,8-PeCDD	131879700	1.68 y	25:44	0.65	100.00	-2.9	n
1,2,3,7,8-PeCDD	67513730	1.67 y	25:46	1.02	50.00	10.2	n
Total PeCDD	67513730	1.67 y	25:46	1.02	50.00	10.2	n
13C-1,2,3,7,8,9-HxCDD	182261704	1.31 y	32:51	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	184733004	0.54 y	31:27	1.01	100.00	13.5	n
1,2,3,4,7,8-HxCDF	122874824	1.27 y	31:27	1.33	50.00	10.9	n
1,2,3,6,7,8-HxCDF	134713096	1.28 y	31:36	1.46	50.00	6.4	n
2,3,4,6,7,8-HxCDF	124008112	1.29 y	32:17	1.34	50.00	8.1	n
1,2,3,7,8,9-HxCDF	126966180	1.30 y	33:04	1.37	50.00	3.7	n
Total HxCDF	508562212	1.27 y	31:27	1.38	200.00	7.2	n
13C-1,2,3,6,7,8-HxCDD	137526176	1.31 y	32:32	0.75	100.00	3.1	n
1,2,3,4,7,8-HxCDD	76173372	1.27 y	32:27	1.11	50.00	14.2	n
1,2,3,6,7,8-HxCDD	80348800	1.33 y	32:33	1.17	50.00	10.4	n
1,2,3,7,8,9-HxCDD	96764132	1.30 y	32:51	1.41	50.00	10.3	n
Total HxCDD	253286304	1.27 y	32:27	1.23	150.00	11.5	n
13C-1,2,3,4,6,7,8-HpCDF	181423140	0.43 y	34:36	1.00	100.00	15.7	n
1,2,3,4,6,7,8-HpCDF	117353596	1.06 y	34:37	1.29	50.00	0.6	n
1,2,3,4,7,8,9-HpCDF	96108680	1.07 y	35:54	1.06	50.00	-6.7	n
Total HpCDF	213462276	1.06 y	34:37	1.18	100.00	-2.8	n
13C-1,2,3,4,6,7,8-HpCDD	142454888	1.07 y	35:32	0.78	100.00	3.9	n
1,2,3,4,6,7,8-HpCDD	75491168	1.09 y	35:33	1.06	50.00	6.2	n
Total HpCDD	75795893	1.08 y	34:54	1.06	50.00	6.2	n
13C-OCDD	194713240	0.91 y	38:19	0.53	200.00	-5.4	n
OCDF	161605984	0.90 y	38:27	1.55	100.00	15.5	n
OCDD	117657312	0.91 y	38:19	1.21	100.00	8.9	n

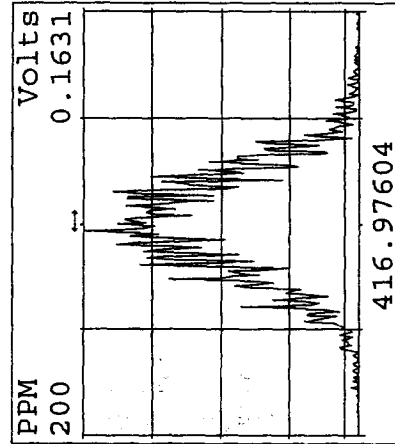
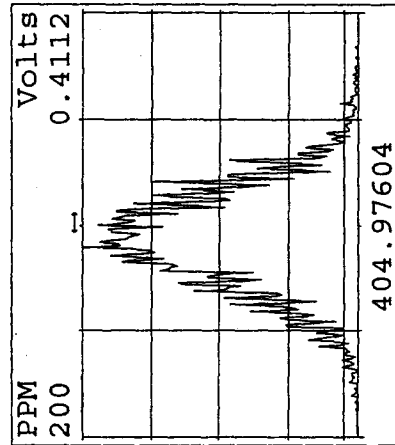
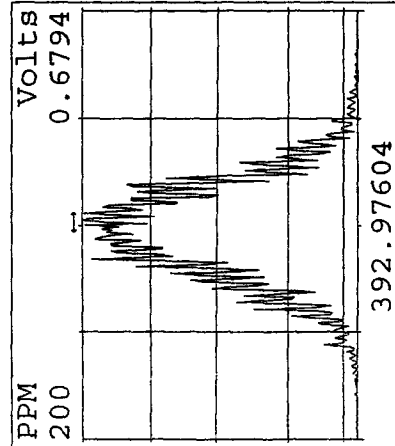
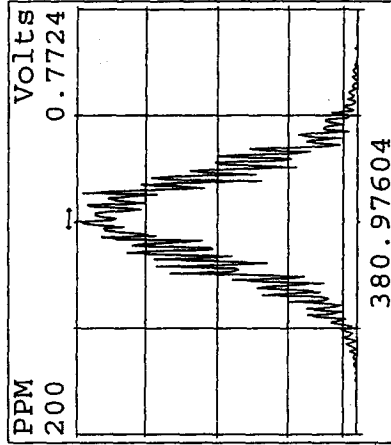
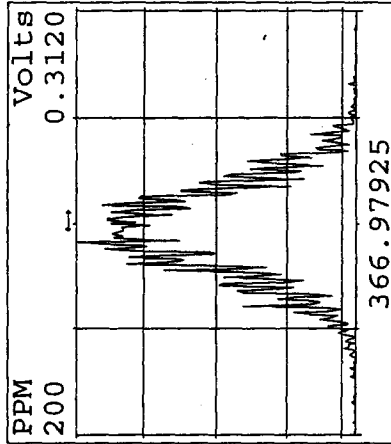
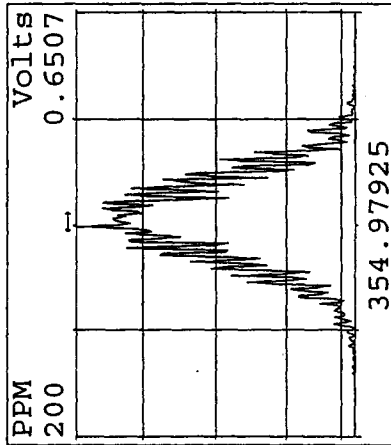
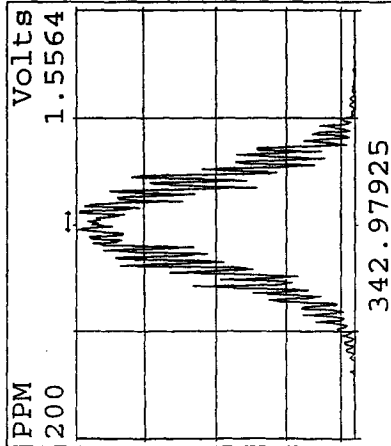
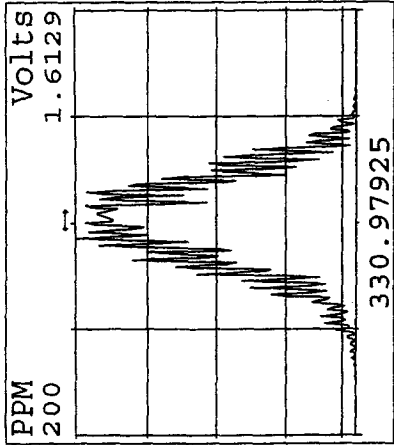
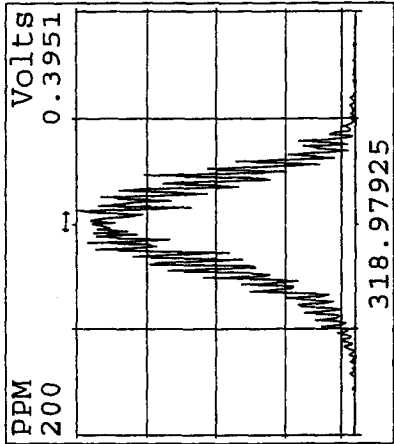
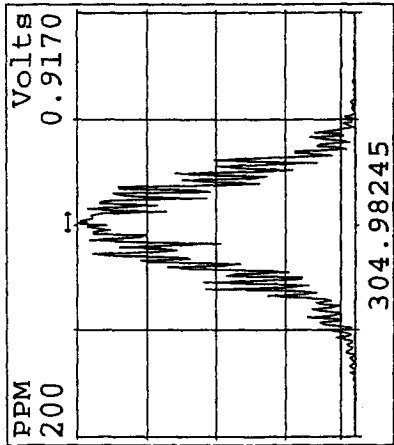
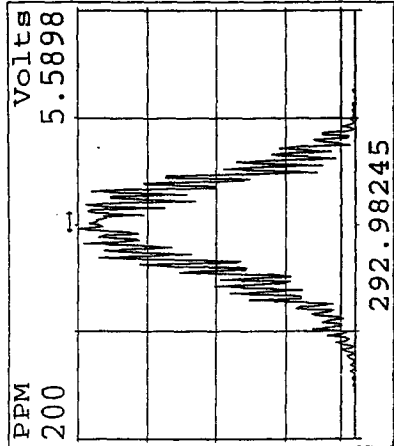
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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06JA10A1D5	2	CP0106	DB-5 CPSM 3732-04				1.000	
06JA10A1D5	3	SBO106	Solvent Blank C-14				1.000	
06JA10A1D5	4	LRQ9P-1-AAB	G9L310000-111 (520-3MB)	10	8290/WATER	78	1.000	L
06JA10A1D5	5	LRQ9P-1-ACC	G9L310000-111 (520-3LCS)	10	8290/WATER		1.000	L
06JA10A1D5	6	LQ9FQ-1-AA	G9L170538-17	10	8290/WATER		0.932	L
06JA10A1D5	7	LQ9FR-1-AA	G9L170538-18	10	8290/WATER		1.028	L
06JA10A1D5	8	LRTM9-1-ACC	G0A040000-196 (490-1LCS)	10	8290/WATER	81	1.000	L
06JA10A1D5	9	LRTM9-1-AAB	G0A040000-196 (490-1MB)	10	8290/WATER		1.000	L
06JA10A1D5	10	LQ9FQ-1-AA	G9L240493-3	10	8290/WATER		1.003	L
06JA10A1D5	11	LRP3D-1-ACC	G9L300000-154 (584-1LCS)	10 20	8290/WATER	79	1.000	L
06JA10A1D5	12	LRP3D-1-AAB	G9L300000-154 (584-1MB)	10 20	8290/WATER		1.000	L
06JA10A1D5	13	LRDQ4-1-AA	G9L180646-11	10 20	8290/WATER		1.032	L
06JA10A1D5	14	SBO106A	Solvent Blank C-14	11710 255			1.000	
06JA10A1D5	15	STO106A	CS3 09DXN425				1.000	
06JA10A1D5	16						1.000	
06JA10A1D5	17						1.000	
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Logfile checked

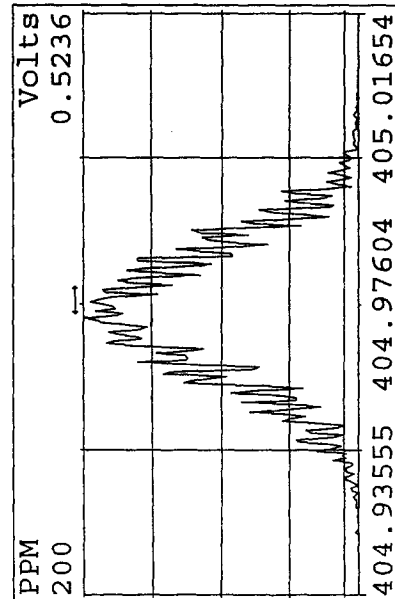
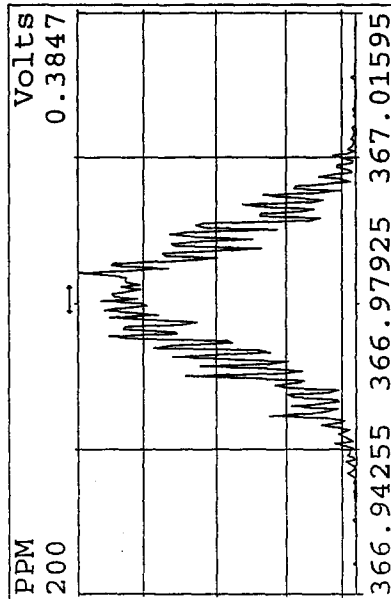
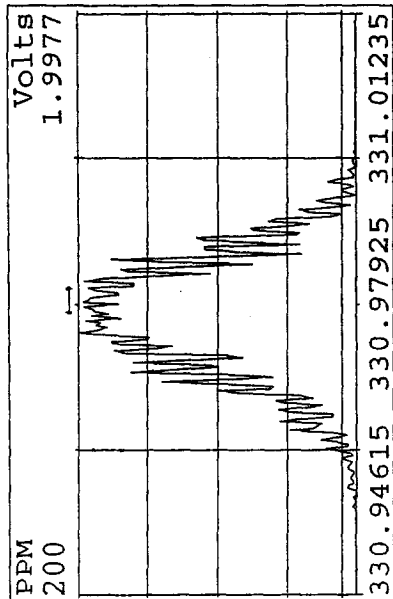
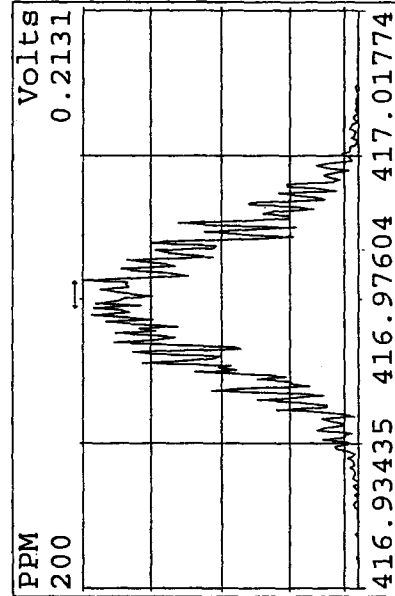
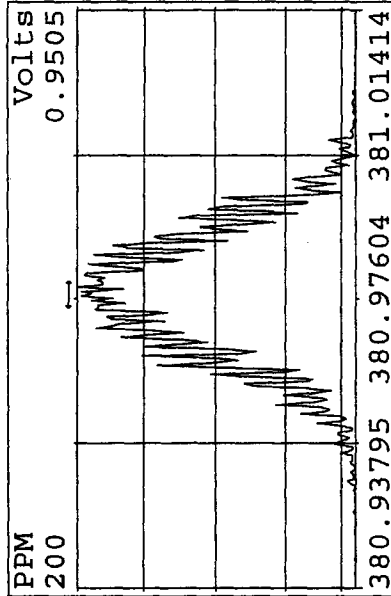
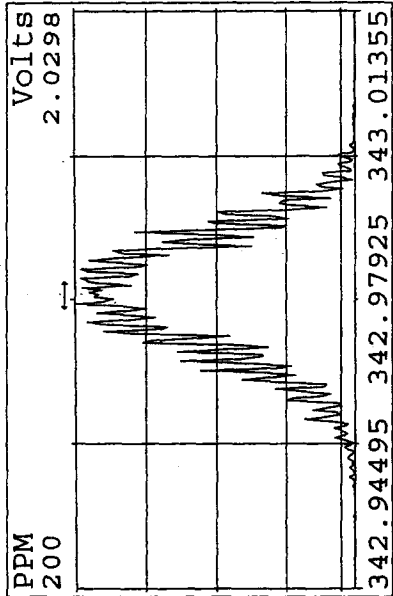
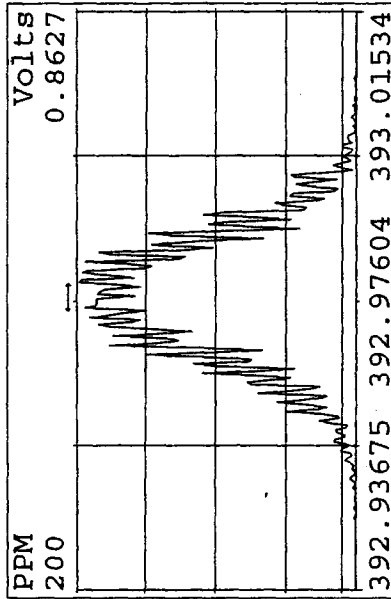
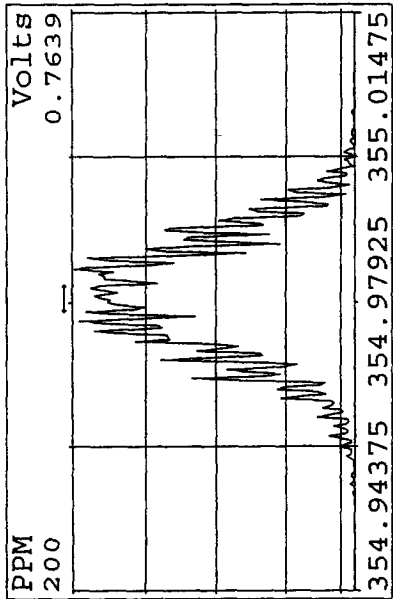
01-07-10

SMA

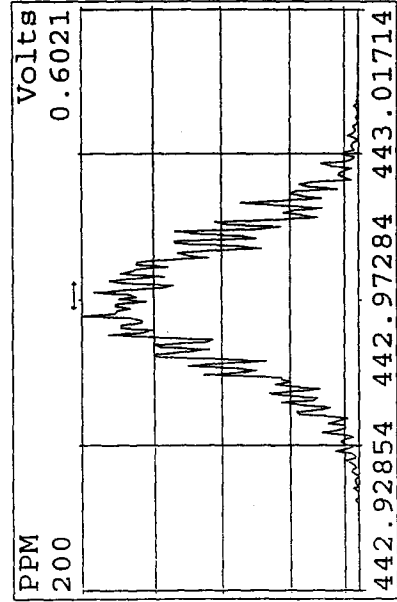
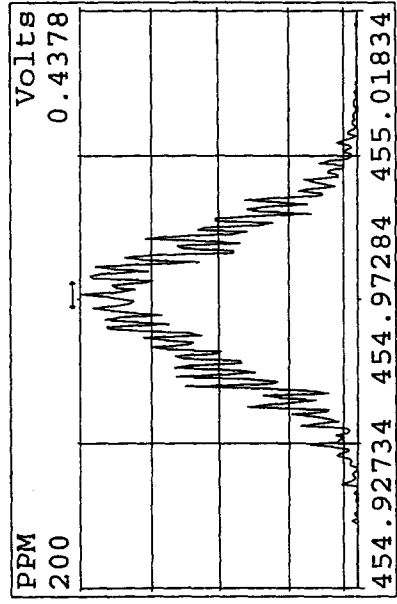
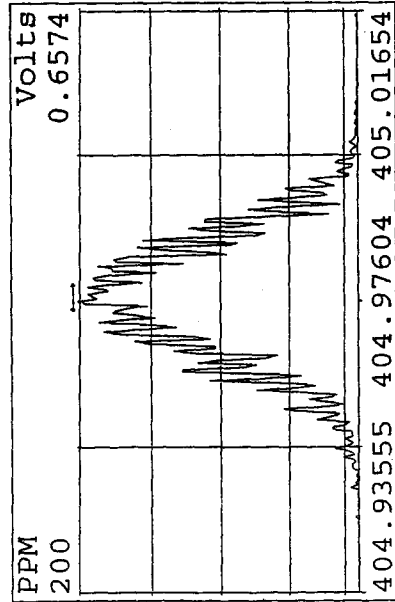
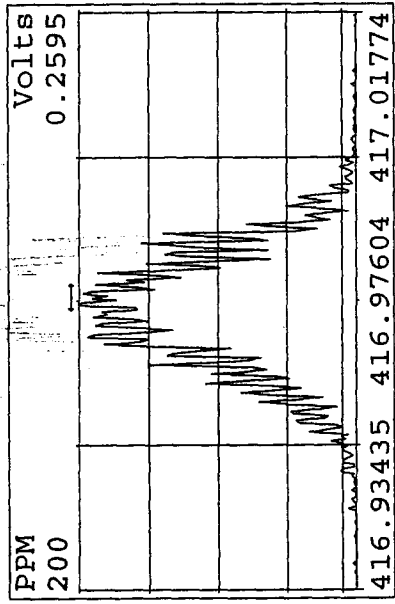
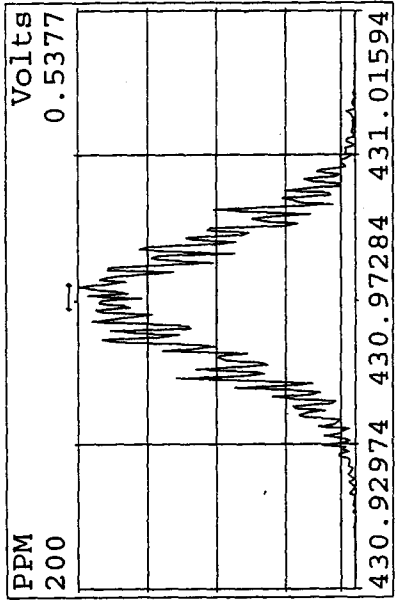
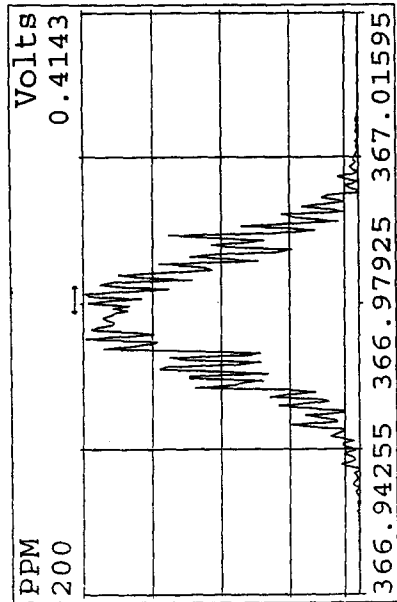
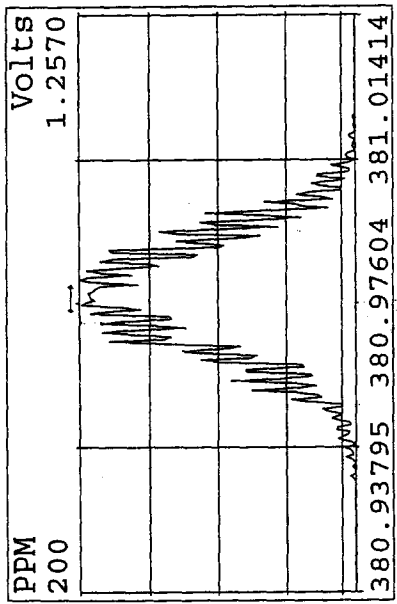
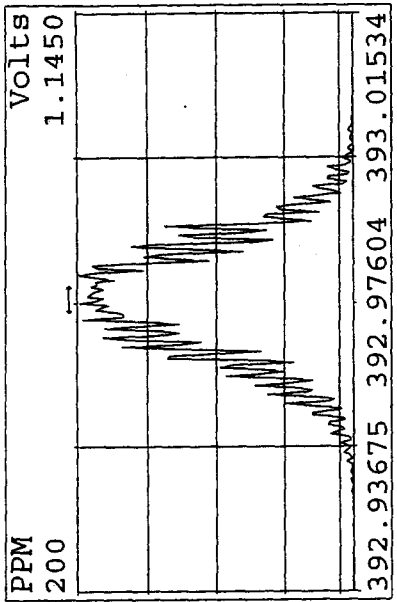
Peak Locate Examination: 6-JAN-2010:22:03 File:06JA10A1D5  
 Experiment:DIOXIN Function:1 Reference:PFK



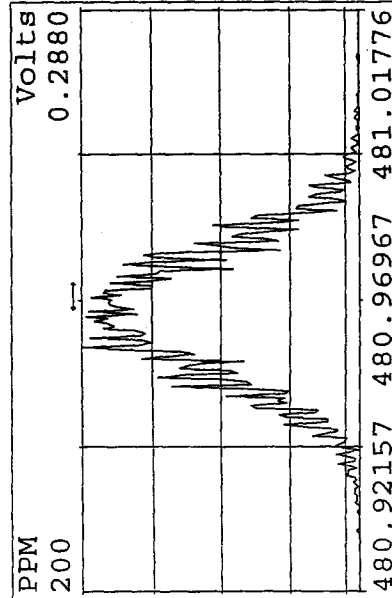
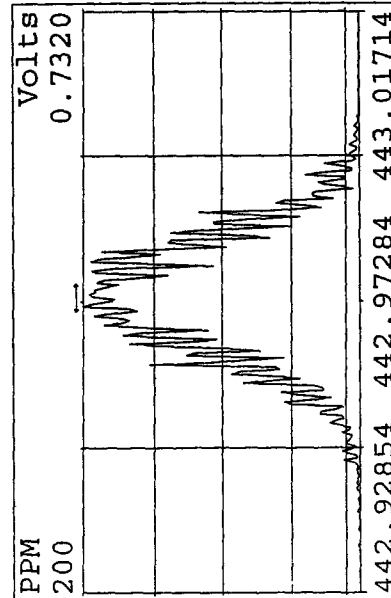
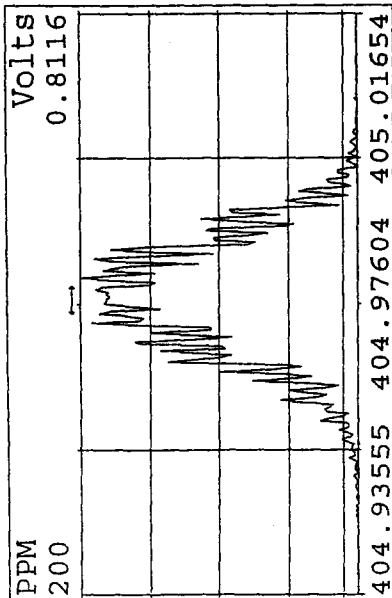
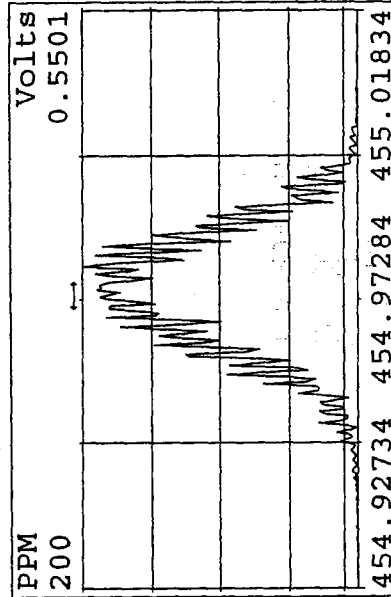
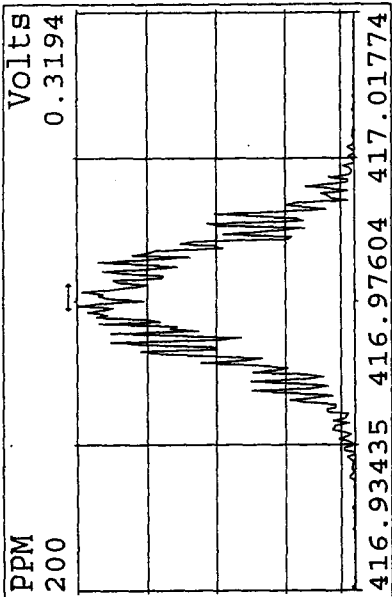
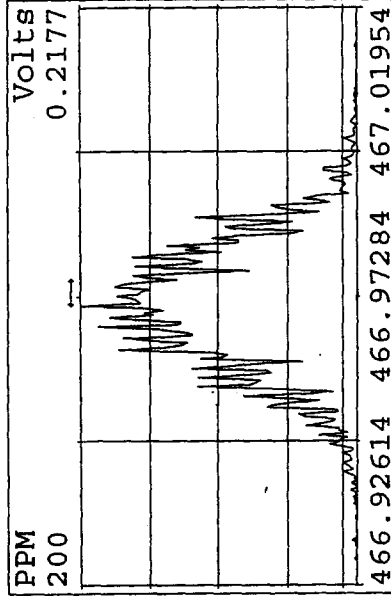
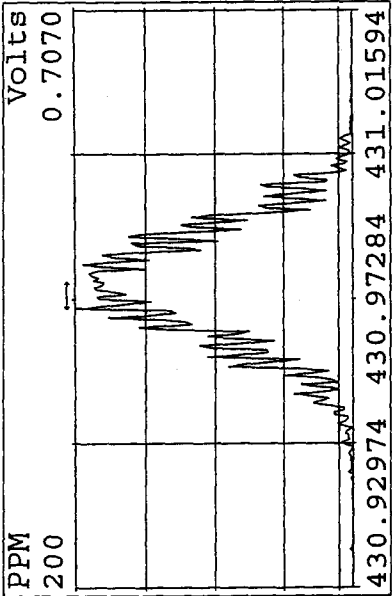
Peak Locate Examination: 6-JAN-2010:22:05 File:06JA10A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



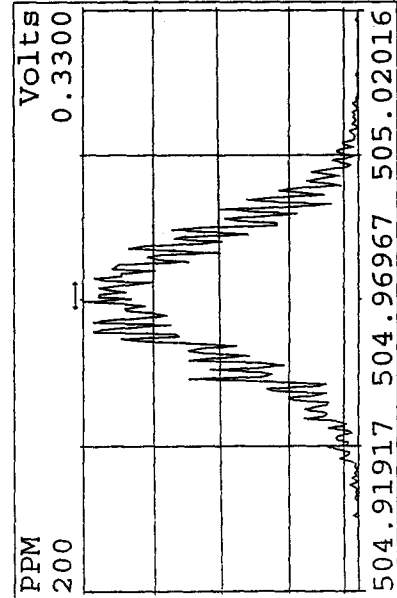
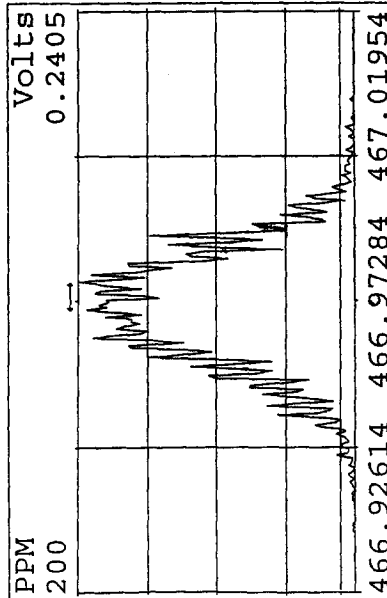
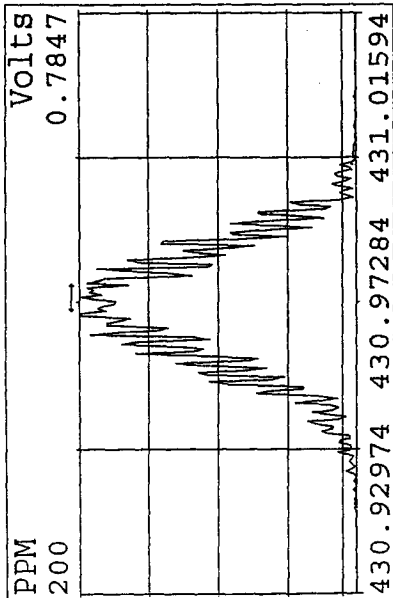
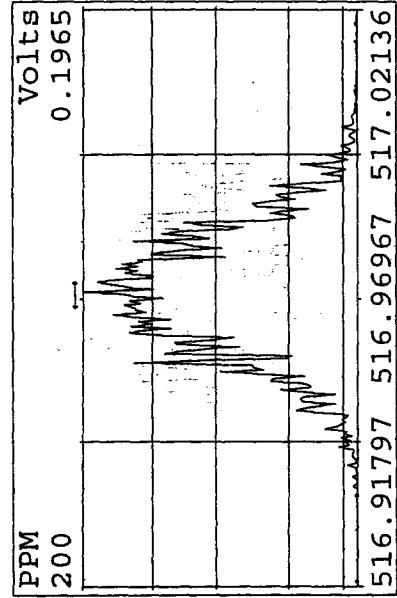
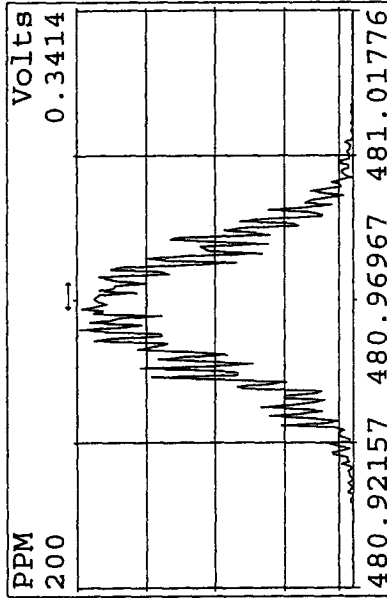
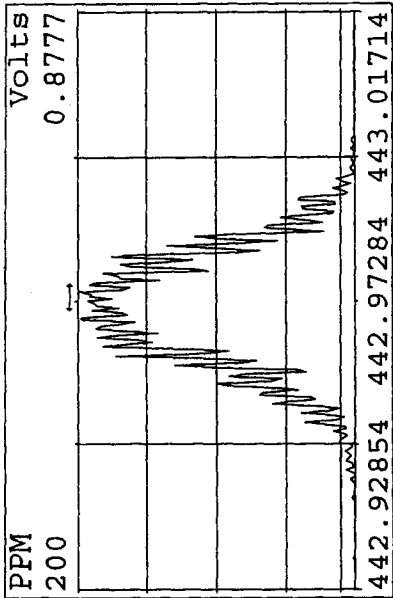
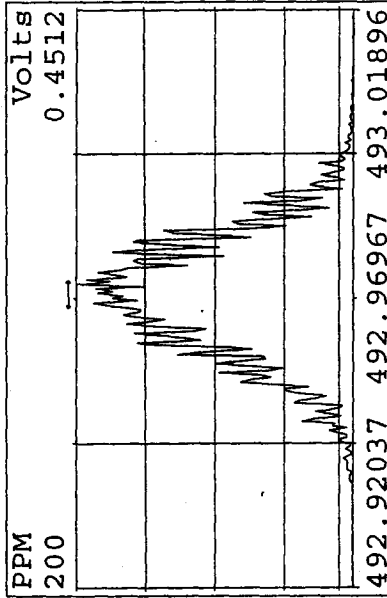
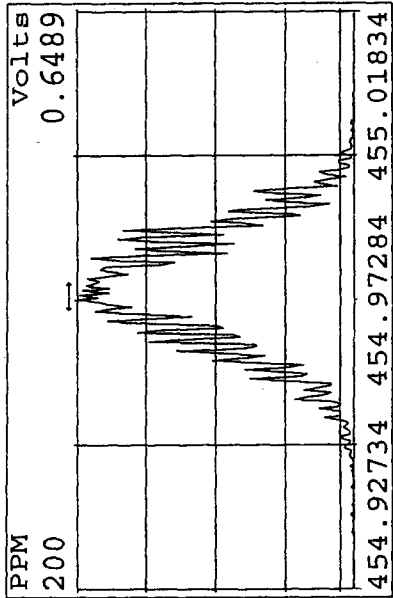
Peak Locate Examination: 6-JAN-2010:22:05 File:06JAI0A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



Peak Locate Examination: 6-JAN-2010:22:08 File:06JA10A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK

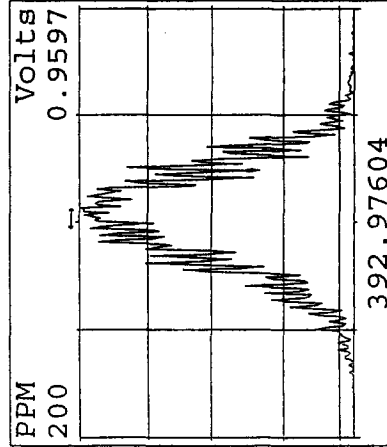
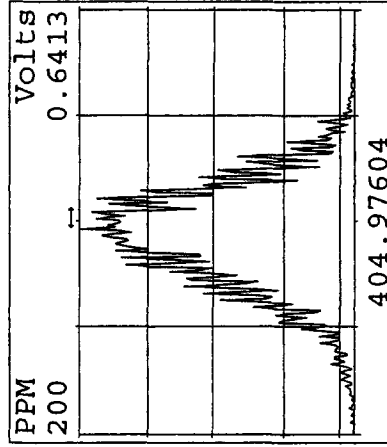
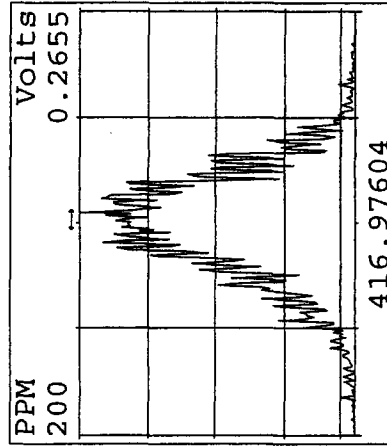
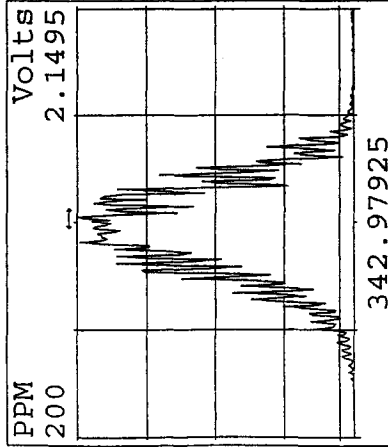
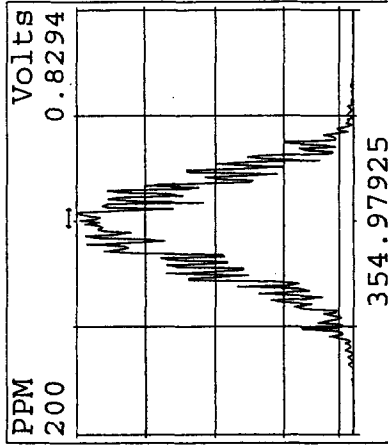
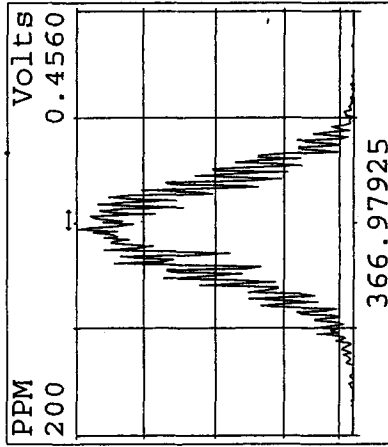
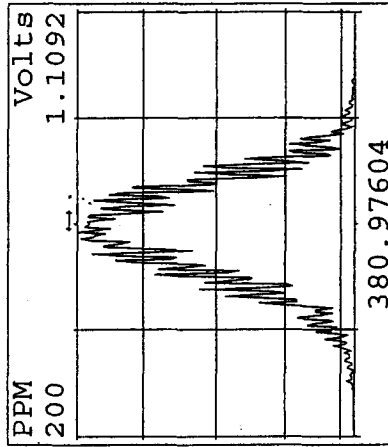
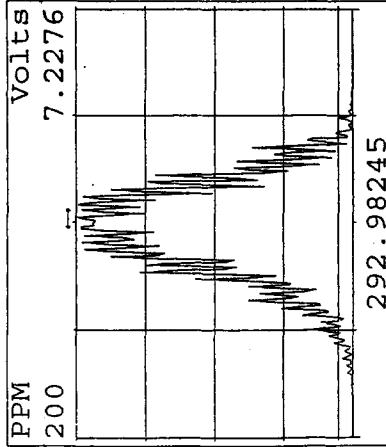
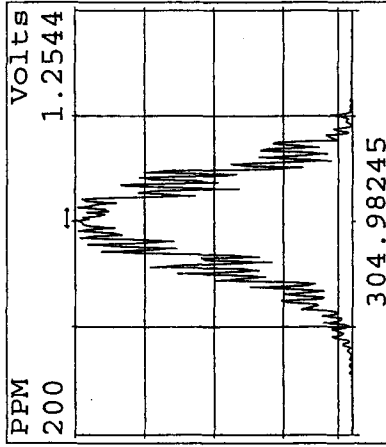
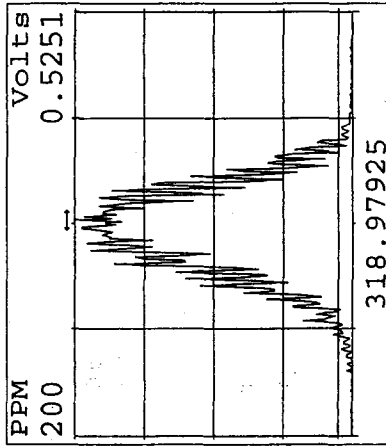
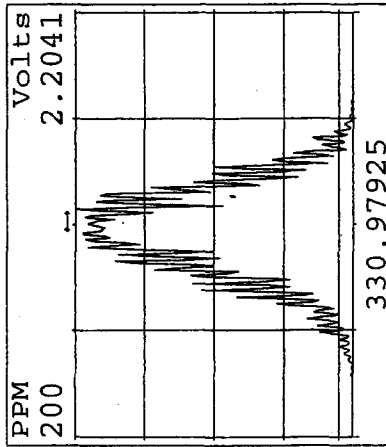


Peak Locate Examination: 6-JAN-2010:22:08 File:06JA10A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK

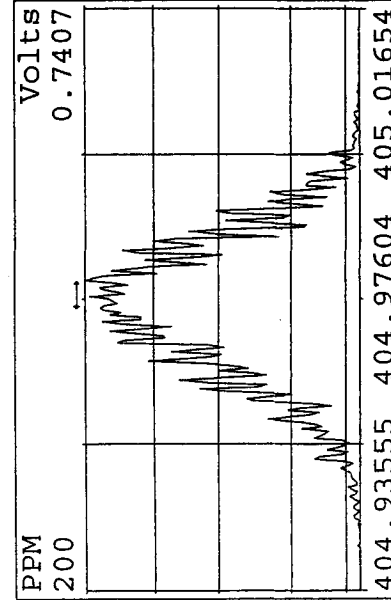
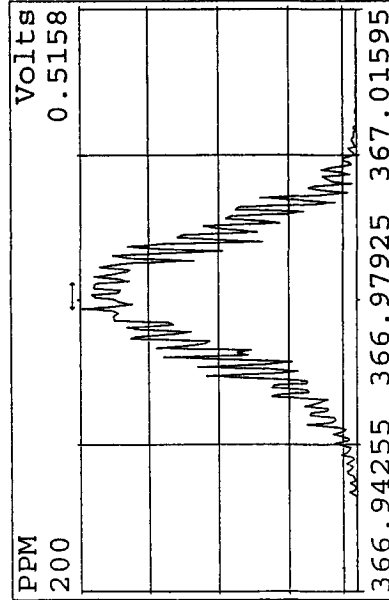
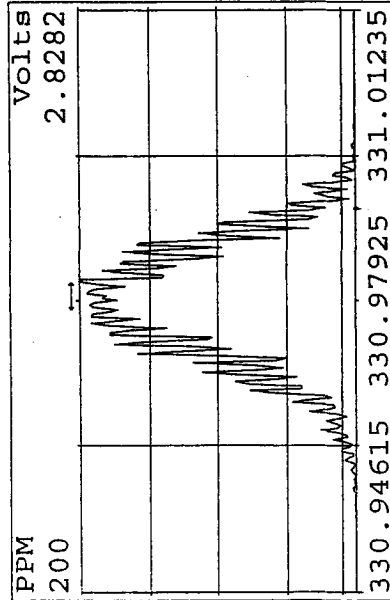
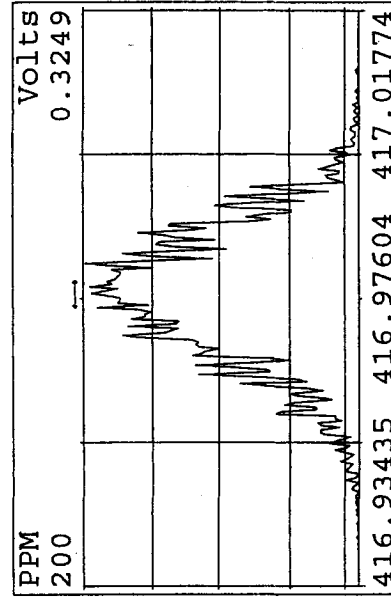
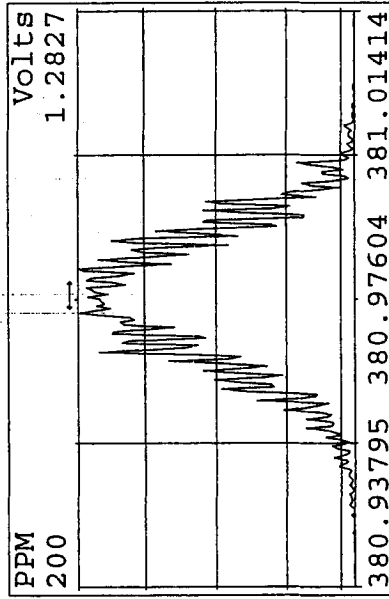
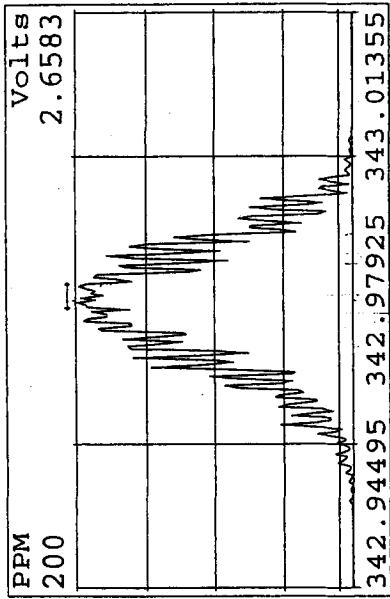
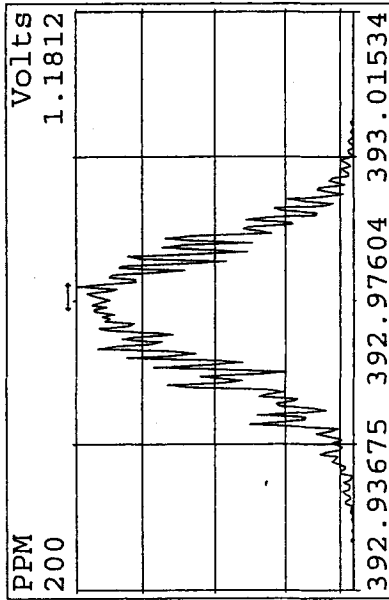
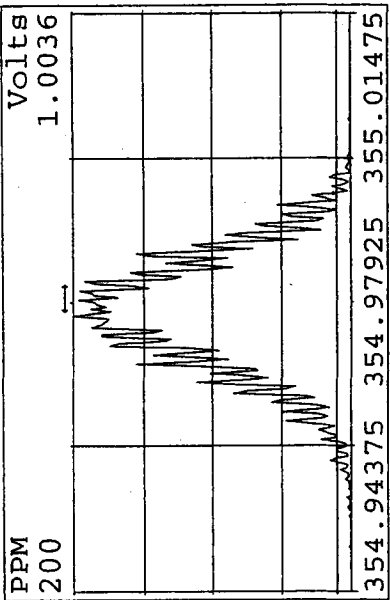




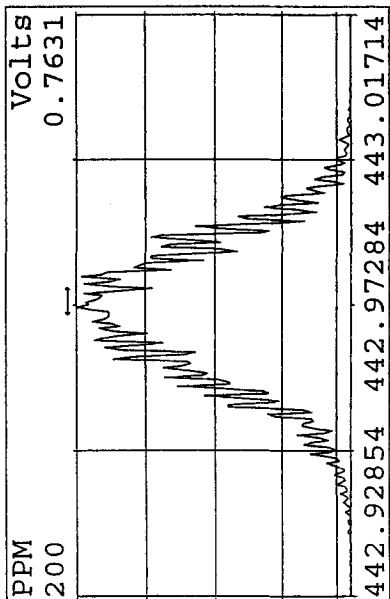
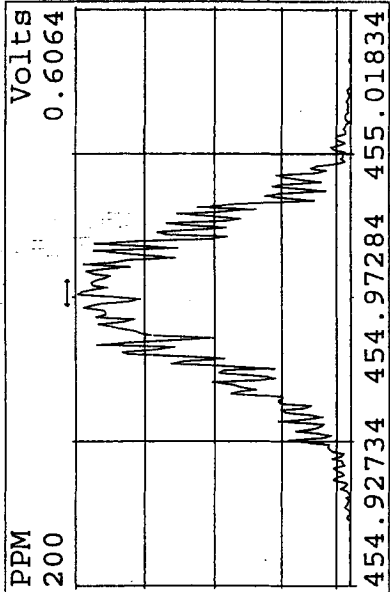
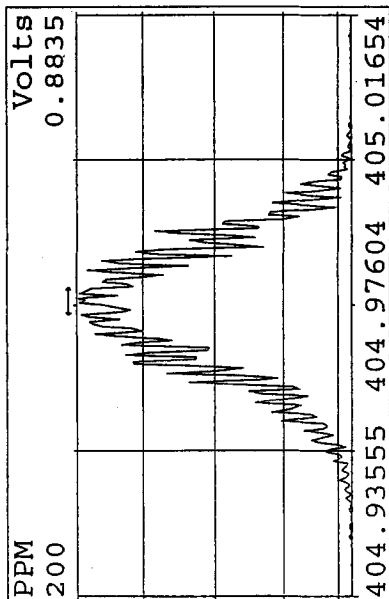
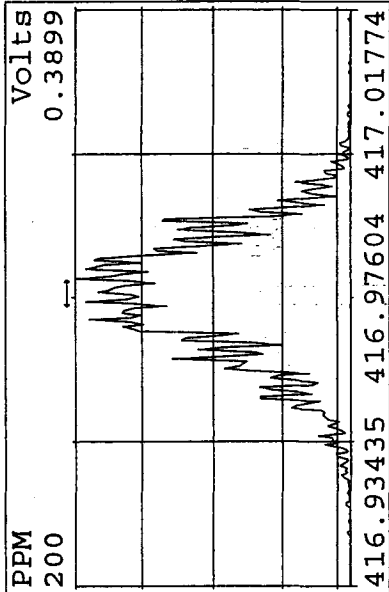
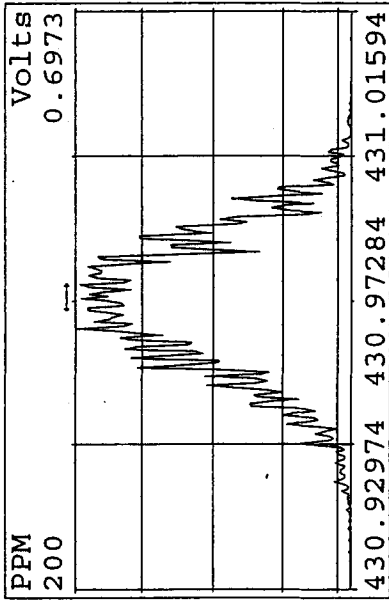
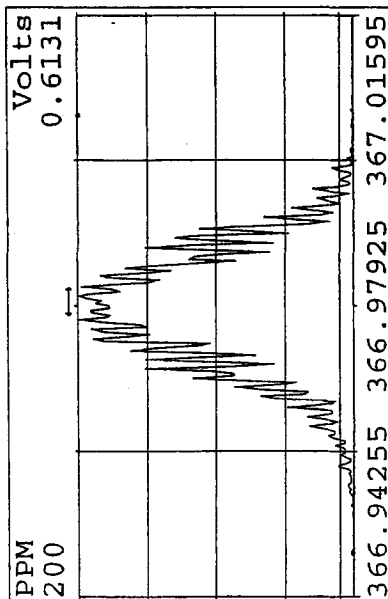
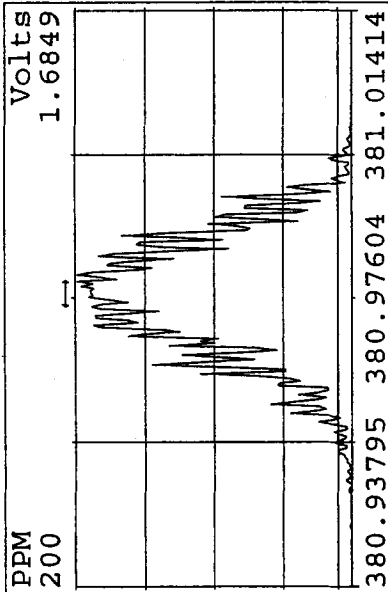
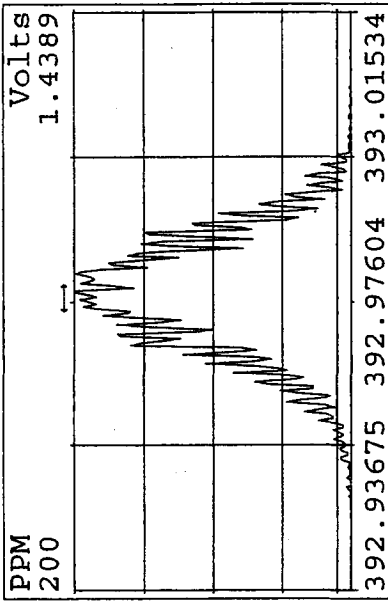
Peak Locate Examination: 7-JAN-2010:08:38 File:ENDRES06JJA10A1D5  
Experiment:DIOXIN Function:1 Reference:PFK



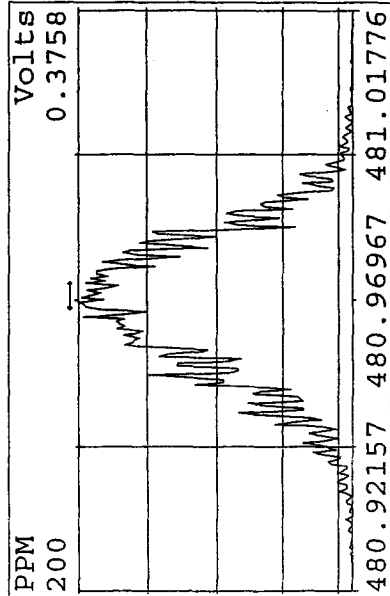
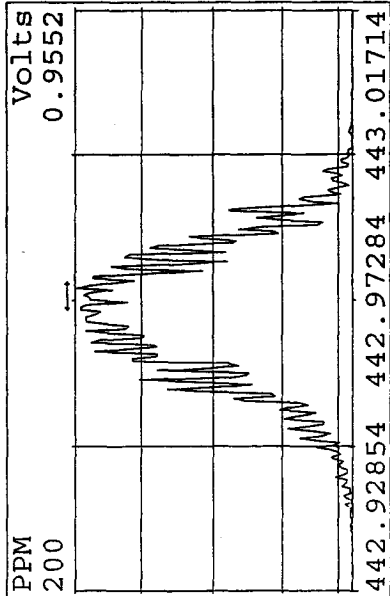
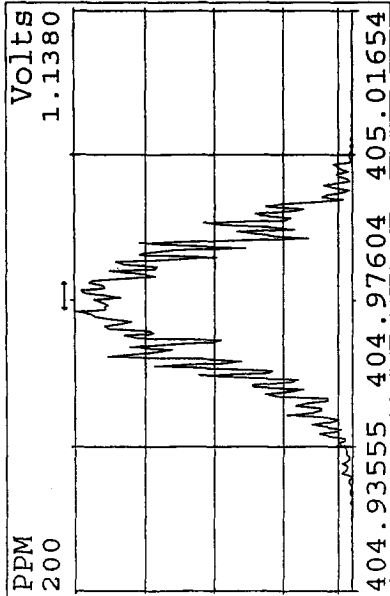
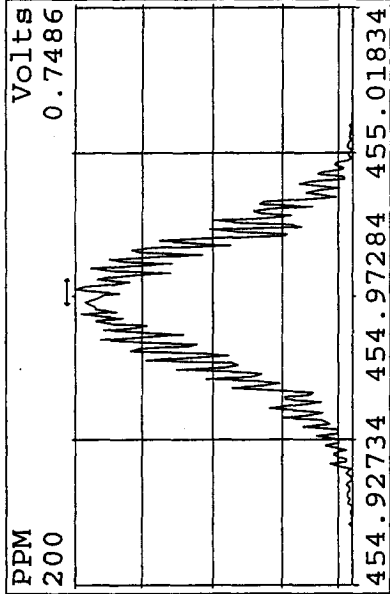
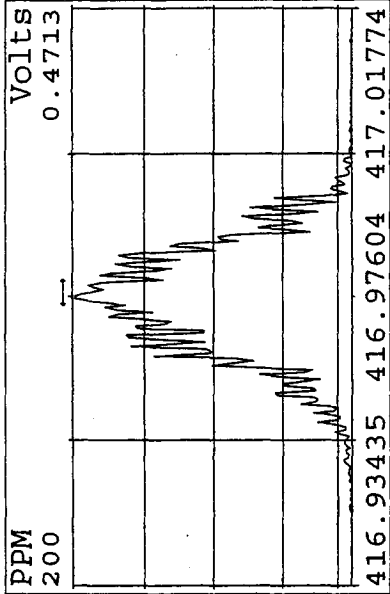
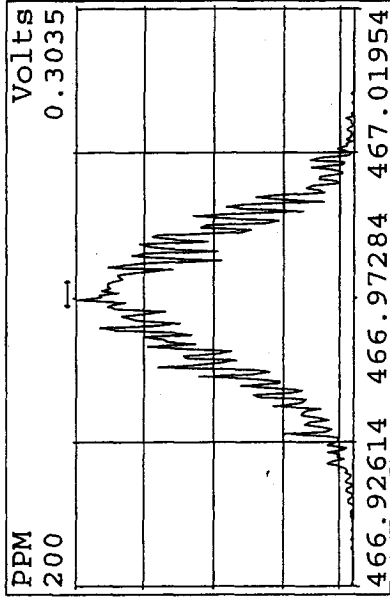
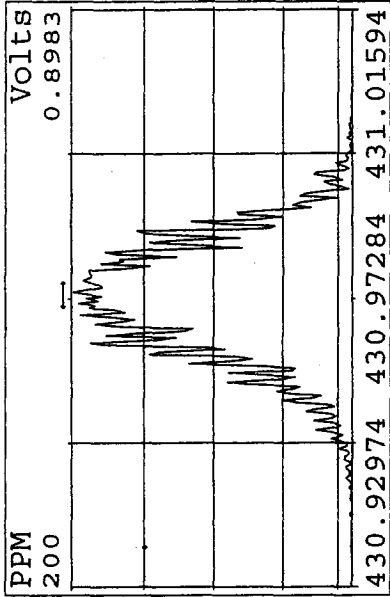
Peak Locate Examination: 7-JAN-2010:08:38 File:ENDRES06JA10A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



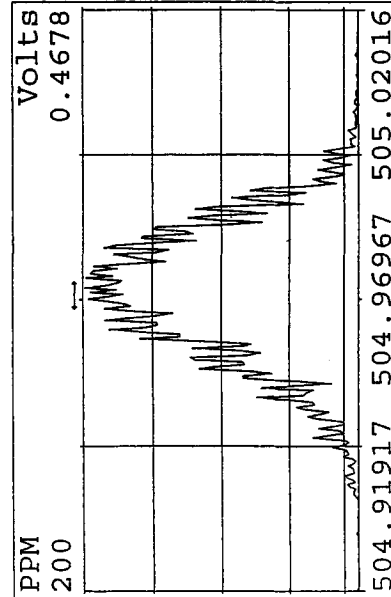
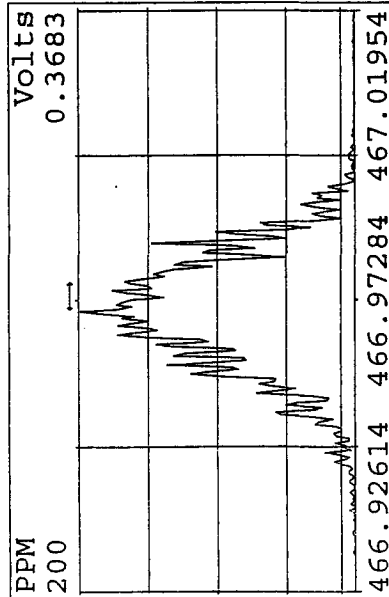
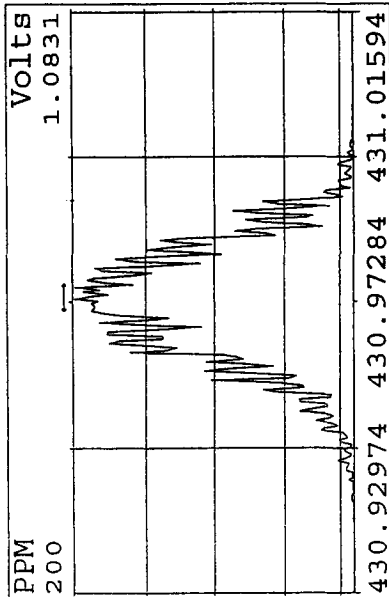
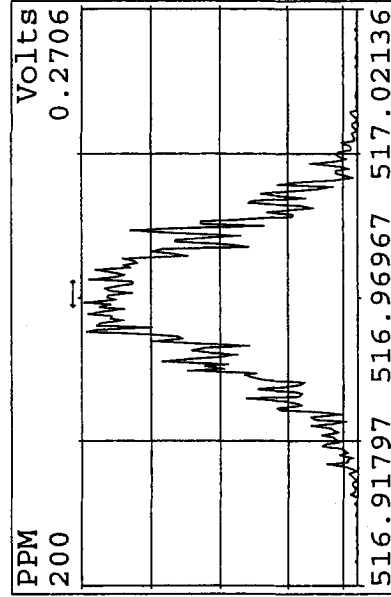
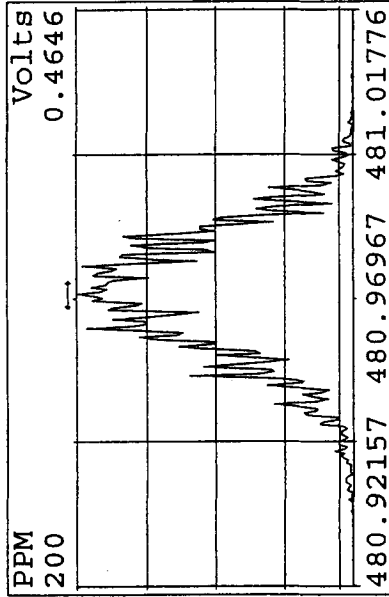
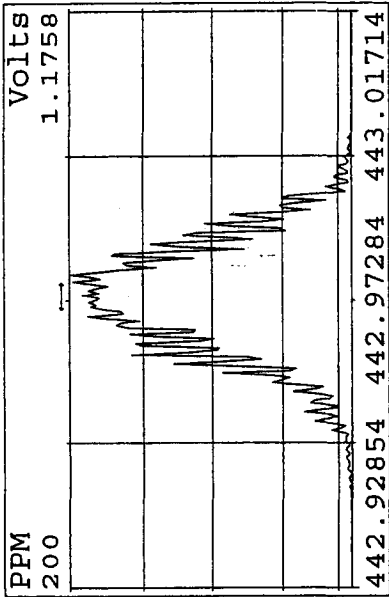
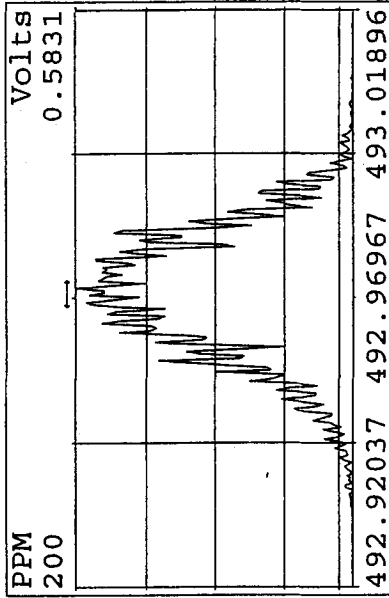
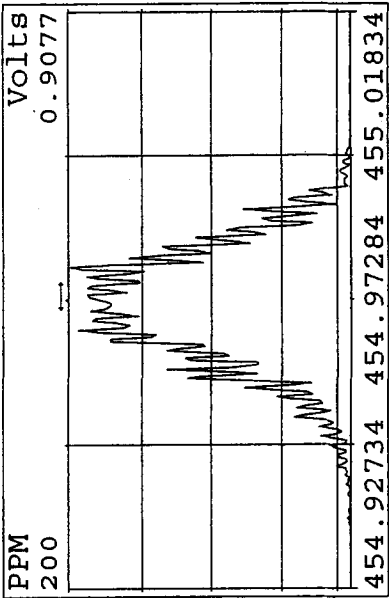
Peak Locate Examination: 7-JAN-2010:08:39 File:ENDRES06JA10A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



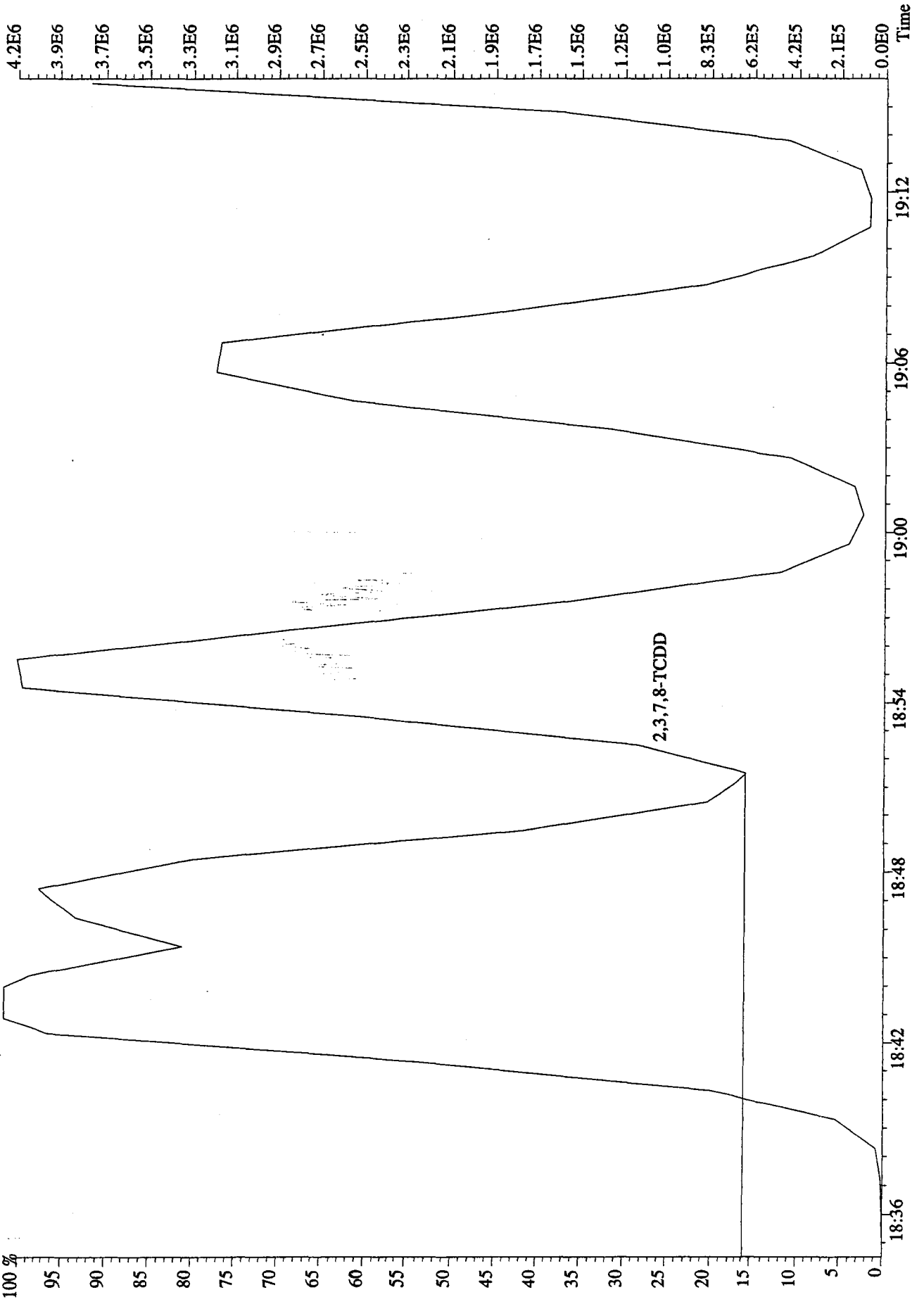
Peak Locate Examination: 7-JAN-2010:08:39 File:ENDRES06JA10A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 7-JAN-2010:08:40 File:ENDRES06JA10A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK



File:06\A10A1D5 #1-411 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
319.8965 S:2 BSUB(128,15,-3.0)



Run: 06JA10A1D5 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	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-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
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-HpCDD	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
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



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

**Data Checklist  
HRGCMS/LRGCMS Analyses**

Batch #: 0004196 Method ID: 8290

**DB-5**  
 Data Analyst: OS  
 Date initiated: 01-07-10  
 Reviewer: RH  
 Date reviewed: 1/8/10

**DB-225**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

QA/QC verification:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓		
-Method Blank present?	✓	✓		
-LCS/DCS copy present and meets native recovery criteria?	✓	✓		
-Internal standard recoveries within limits?*	Ⓟ	Ⓟ		
-Ion ratios within + 15% of theoretical values?	✓	✓		
-Other QC (Dup,MS,SD) within specs?*	NA	NA		

Sample Analysis:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (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 / <u>(LCL)</u> (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		
-Have dilution calculations been verified?	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)

Low IS recovery in the MB seen NCH # 07-0101454

\* Recovery limits:

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

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

TestAmerica West Sacramento  
High Resolution Prep Log  
Dioxin/Furan AQ Extraction

Box # 81  
Shared QC Batch: SAME  
Shares: 01/1/10  
QC With: AA



Internal COC:	
Delivered to Inst.:	<u>1-5-10</u>
Inst Receipt:	

Batch: 0004196  
MS Run #:  
Prep Date: 1/4/2010  
Method: IN 8290  
Matrix: I WATER  
Extraction: 09 LIQ/LIQ, SEP FUNNEL (PAH,P/P,TPH,Dioxin) - Nominal  
QC: 01 STANDARD TEST SET  
SAC: IN - 1 - 09 - 01

Prep Reagents		
Reagent	Supplier	Lot #
DCM	Baker	<u>H33503</u>
Hexane	Baker	<u>H33E04</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>3630-94D</u>
65% DCM:Hexane	NA	<u>3630-95A</u>
1:1 DCM:Cyclohexane	NA	<u>NA</u>
75:20:5 DCM:Hexane:Benzene	NA	<u>NA</u>
Silica Gel	<u>Whatman</u>	<u>22-22</u>
Acid Alumina	<u>MPBio</u>	<u>18</u>
5% Carbon:Silica Gel	<u>NA</u>	<u>NA</u>

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 1000mL nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G0A040000 - 196	B	LRTM91AA	1/20/2010	<u>1000.0</u>	-	-	2/18/2010
G0A040000 - 196	C	LRTM91AC	1/20/2010	<u>1000.0</u>	-	-	2/18/2010
G9L230490 - 1		LRJ4N1AA	1/20/2010	<u>1015.6</u>	-	-	2/18/2010
G9L240493 - 3		LRL831AA	1/21/2010	<u>1003.0</u>	<u>10.0</u>	<u>1-5-10</u>	2/18/2010
G9L240510 - 1		LRMD61AA	1/21/2010	<u>1034.8</u>	-	-	2/18/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: G9L240493-3 sample received 10.00 uL re. 1-5-10

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	<u>1ml/092N430</u>	<u>10/31/10</u>	<u>BG</u>	<u>[Signature]</u>	<u>1/4/10</u>
Spike Mix LCS/LCSD/MS/MS	<u>500/092N409</u>	<u>11/30/10</u>	<u>BG</u>	<u>[Signature]</u>	<u>1/4/10</u>
Cleanup Standard All Samples	<u>1.0ml/09DXN418</u>	<u>12/16/2010</u>	<u>T.L</u>	<u>[Signature]</u>	<u>01/05/10</u>
Recovery Standard All Samples	<u>20.00/09DXN388</u>	<u>11-19-10</u>	<u>J</u>	<u>T.L</u>	<u>1-5-10</u>
Liq Liq Extraction Analyst/Date	<u>BG/1/4/10</u>				
		Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
		-	-	<u>T.L 01/05/10</u>	-



## Preparation Data Review Checklist

Prep Batch(es) 9004196

Test: 8290

Prep Date: 1/4/10

Holding Times: 1/20/10 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>B. Weights and Volumes</b>		
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	/
<b>C. Standards and Reagents</b>		
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	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: [Signature]

Date: 1-4-10

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 1/5/10

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

# SOLID, D 2216-90, Percent Moisture

Northgate Environmental Management, Inc.

Client Sample ID: SA196-1BR

General Chemistry

Lot-Sample #...: G9L240493-001    Work Order #...: LRL8H    Matrix.....: SO  
Date Sampled...: 12/22/09    Date Received...: 12/24/09  
% Moisture.....: 5.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	5.7	0.10	%	ASTM D 2216-90	12/29-12/30/09	9363214

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA196-1.5BR

General Chemistry

Lot-Sample #...: G9L240493-002  
Date Sampled...: 12/22/09  
% Moisture.....: 6.9

Work Order #...: LRL8V  
Date Received...: 12/24/09

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	6.9	0.10	%	ASTM D 2216-90	12/29-12/30/09	9363214

Dilution Factor: 1



# QC DATA ASSOCIATION SUMMARY

G9L240493

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		9362386	9362207
	SO	ASTM D 2216-90		9363214	0011124
002	SO	SW846 8290		9362386	9362207
	SO	ASTM D 2216-90		9363214	0011124
003	WQ	SW846 8290		0004196	

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: G9L240493

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

Matrix.....: SOLID

Date Sampled...: 12/17/09

Date Received...: 12/22/09

% Moisture.....: 9.3

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	9.3	9.6	%	3.4	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G9L220512-001 12/29-12/30/09	9363214

Dilution Factor: 1

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
Results and reporting limits have been adjusted for dry weight.

# SOLID, 8290, Dioxins/Furans

# **Raw Data Package**

## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*lcs*

*ms/sd*

*sample raw data*

*ms tune data*

Run text: LRNEV-1-AA Sample text: LRNEV-1-AA :G9L280000-386B  
 Run #8 Filename: 04JA10A1D5 S: 4 I: 1 Results: 04JA10A1D58290  
 Acquired: 4-JAN-10 16:28:12 Processed: 4-JAN-10 17:53:56  
 Run: 04JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00007g

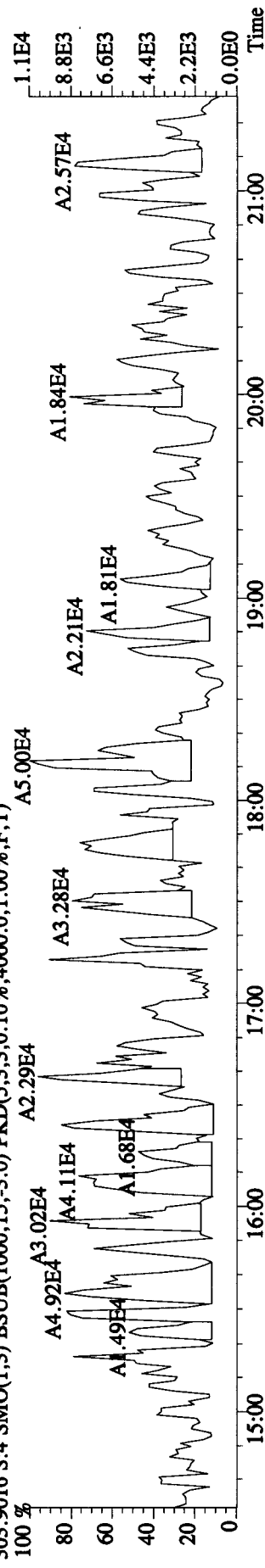
*Handwritten:*  
 1/5/10  
 [Signature]

*Handwritten:*  
 05  
 01-06-10

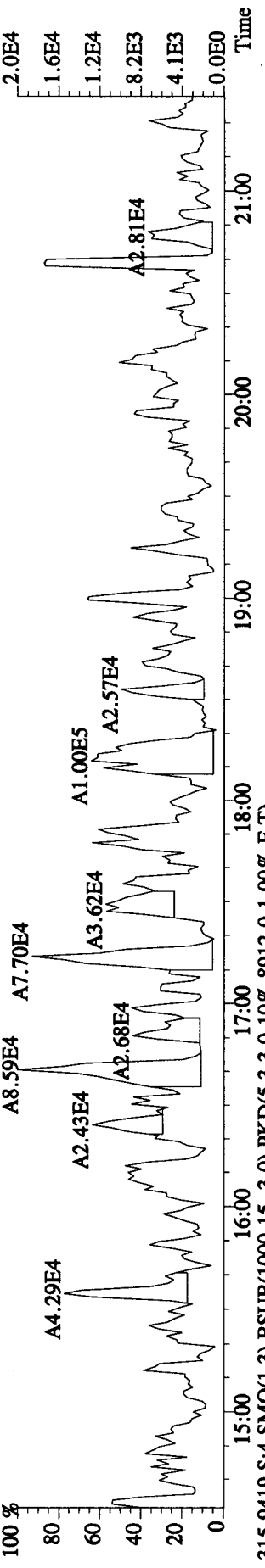
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	83148000	0.78 y	18:44	-	2.67	-	-	n
13C-2,3,7,8-TCDF	100792500	0.78 y	18:11	1.57	77.41	0.17	38.7	n
2,3,7,8-TCDF	114837	0.50 n	18:12	0.86	<del>0.27</del>	0.33	-	n
Total TCDF	350314	1.15 n	15:34	0.86	<del>0.91</del>	<del>0.33</del>	-	n
13C-2,3,7,8-TCDD	73350900	0.83 y	18:56	0.99	88.81	0.56	44.4	n
2,3,7,8-TCDD	*	* n	NotFnd	0.93	*	0.44	-	n
Total TCDD	*	* n	NotFnd	0.93	*	<del>0.44</del>	-	n
37Cl-2,3,7,8-TCDD	79821000	1.00 y	18:57	2.22	43.28	0.09	54.1	n
13C-1,2,3,7,8-PeCDF	73222500	1.62 y	23:36	1.07	82.08	0.22	41.0	n
1,2,3,7,8-PeCDF	114186	1.76 y	23:38	1.00	<del>0.31</del>	0.53	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*	0.57	-	n
Total F2 PeCDF	469286	1.95 n	22:09	0.97	<del>1.31</del>	<del>0.55</del>	-	n
Total F1 PeCDF	260148	0.56 n	16:06	0.97	<del>0.73</del>	<del>0.56</del>	-	n
13C-1,2,3,7,8-PeCDD	49200800	1.62 y	25:48	0.67	88.80	0.20	44.4	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.93	*	0.78	-	n
Total PeCDD	*	* n	NotFnd	0.93	*	<del>0.78</del>	-	n
13C-1,2,3,7,8,9-HxCDD	58390300	1.28 y	32:52	-	2.13	-	-	n
13C-1,2,3,4,7,8-HxCDF	49639300	0.50 y	31:28	0.89	95.22	0.18	47.6	n
1,2,3,4,7,8-HxCDF	286596	1.12 y	31:29	1.20	0.96 J	<del>0.48</del>	-	n
1,2,3,6,7,8-HxCDF	167095	0.80 n	31:39	1.37	0.49 J,Q	<del>0.42</del>	-	n
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.24	*	0.46	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.33	*	0.43	-	n
Total HxCDF	794387	0.95 n	30:02	1.28	<del>2.52</del>	<del>0.45</del>	-	n
13C-1,2,3,6,7,8-HxCDD	50987700	1.23 y	32:34	0.73	119.28	0.41	59.6	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.97	*	0.49	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.06	*	0.45	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.28	*	0.37	-	n
Total HxCDD	70517	0.49 n	30:49	1.10	<del>0.25</del>	<del>0.43</del>	-	n
13C-1,2,3,4,6,7,8-HpCDF	47004000	0.42 y	34:37	0.86	93.59	1.49	46.8	n
1,2,3,4,6,7,8-HpCDF	531536	0.89 y	34:38	1.29	1.76 J	<del>0.48</del>	-	n
1,2,3,4,7,8,9-HpCDF	179035	0.82 n	35:56	1.14	0.67 J,Q	<del>0.55</del>	-	n
Total HpCDF	990715	0.89 y	34:38	1.21	<del>3.41</del>	<del>0.51</del>	-	n
13C-1,2,3,4,6,7,8-HpCDD	40195100	1.07 y	35:33	0.75	91.52	0.70	45.8	n
1,2,3,4,6,7,8-HpCDD	132057	1.45 n	35:36	1.00	0.66 J,Q	<del>0.59</del>	-	n
Total HpCDD	210920	2.12 n	34:55	1.00	<del>1.05</del>	<del>0.59</del>	-	n
13C-OCDD	57023100	0.91 y	38:20	0.56	173.02	1.66	43.3	n
OCDF	887564	0.92 y	38:29	1.44	4.33 J	<del>0.77</del>	-	n
OCDD	135601	1.11 n	38:23	1.11	0.86 J,Q	<del>0.73</del>	-	n

File:04JA10AID5 #1-411 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN

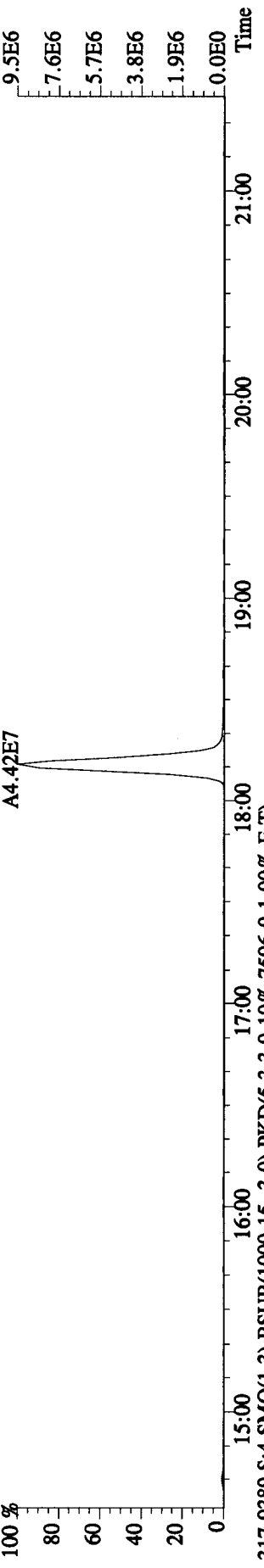
303.9016 S:4 SMO(1.3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,4060.0,1.00%,F,T)



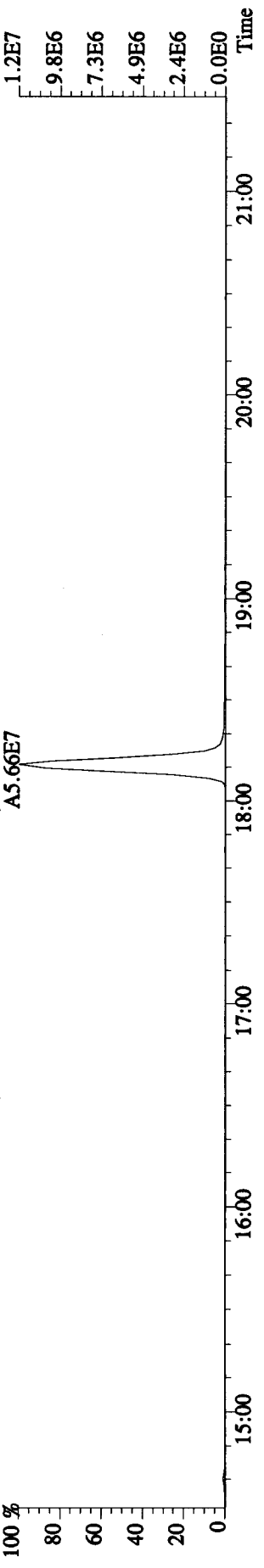
305.8987 S:4 SMO(1.3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,6236.0,1.00%,F,T)



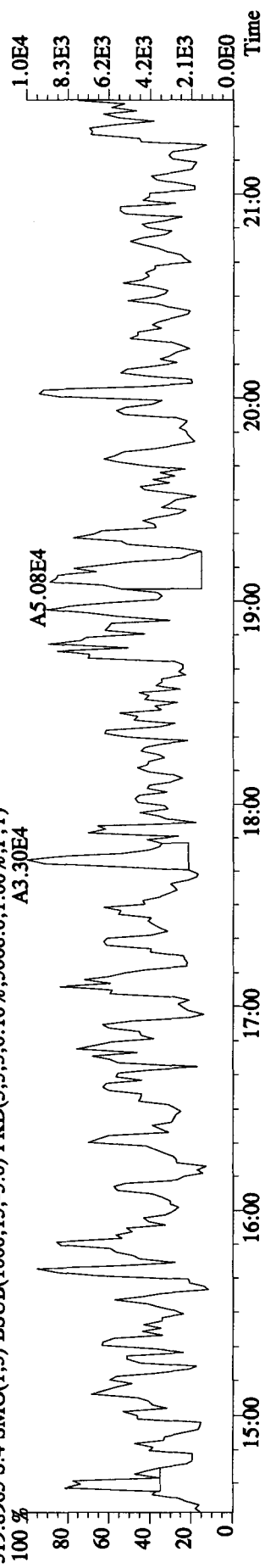
315.9419 S:4 SMO(1.3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,8912.0,1.00%,F,T)



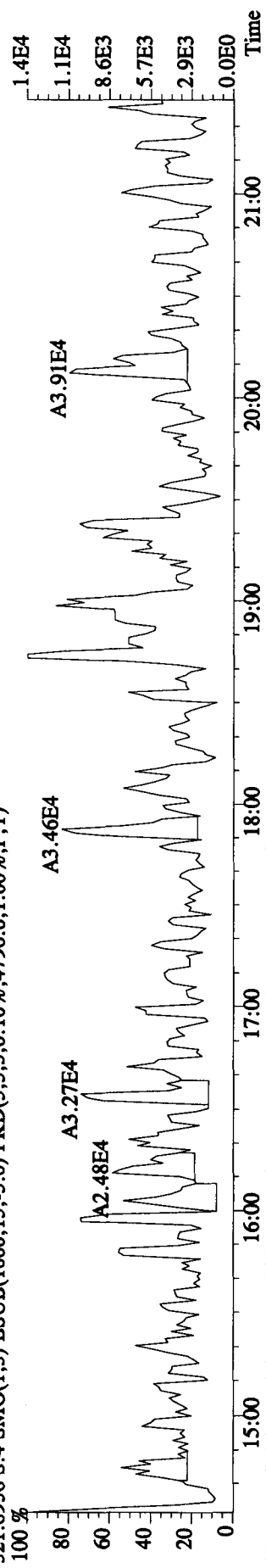
317.9389 S:4 SMO(1.3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,7596.0,1.00%,F,T)



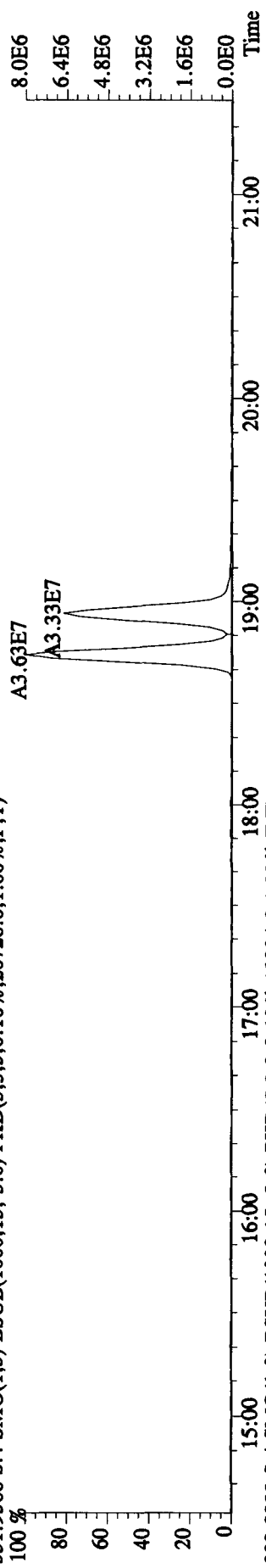
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5068.0,1.00%,F,T)  
 A3.30E4



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20728.0,1.00%,F,T)  
 A3.63E7

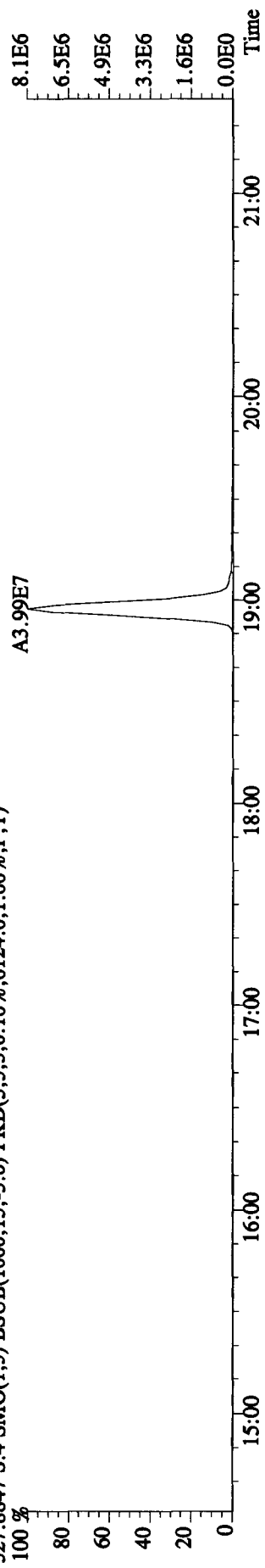


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12904.0,1.00%,F,T)  
 A4.68E7

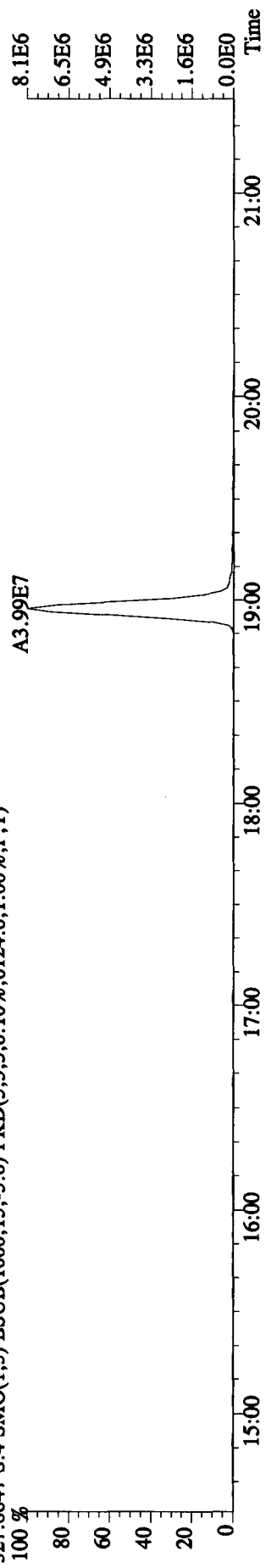




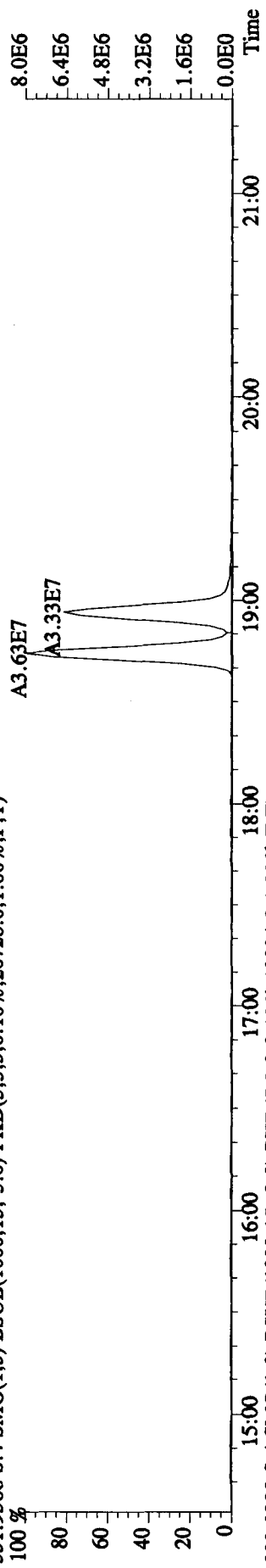
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6124.0,1.00%,F,T)



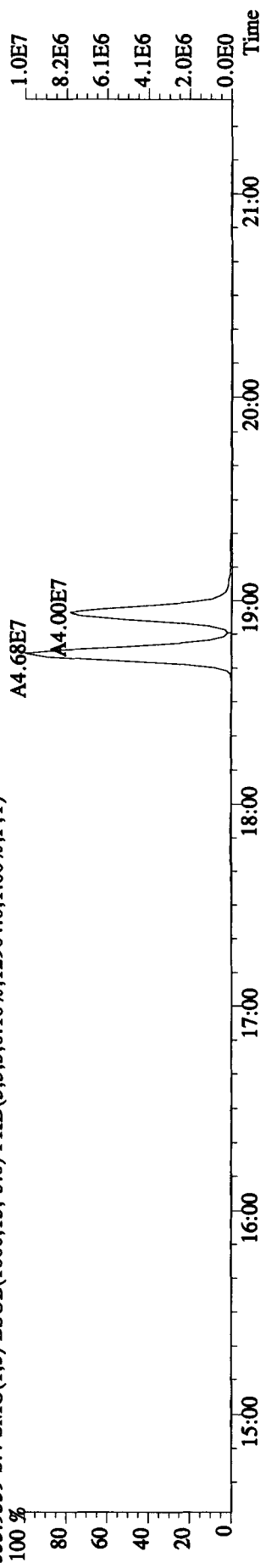
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6124.0,1.00%,F,T)



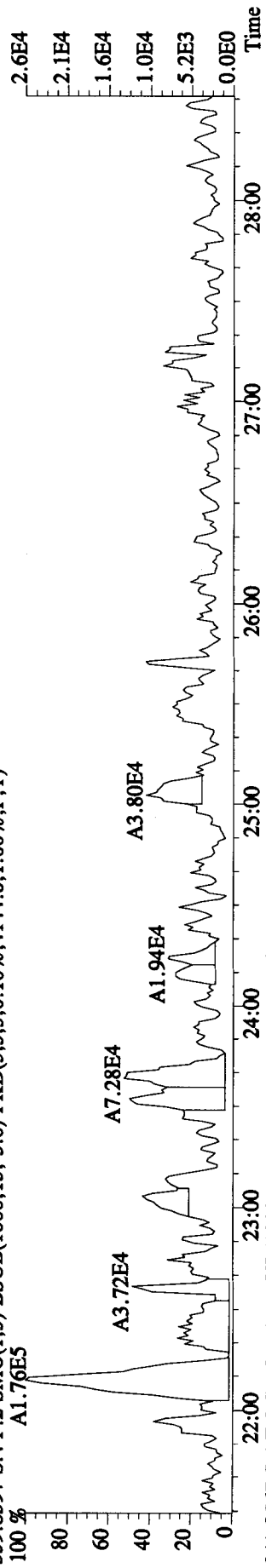
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20728.0,1.00%,F,T)



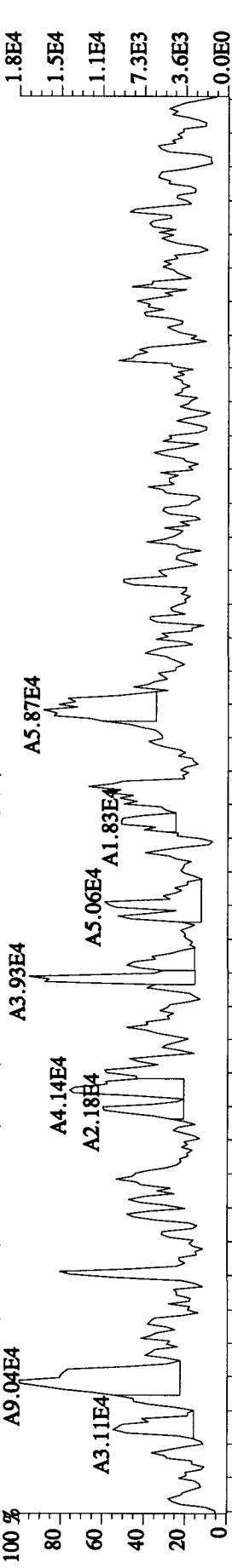
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12904.0,1.00%,F,T)



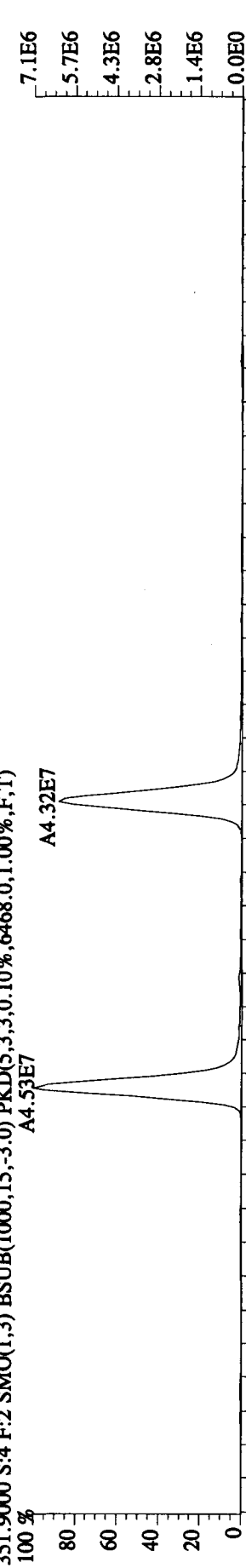
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:L.RNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 339.8597 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4144.0,1.00%,F,T)



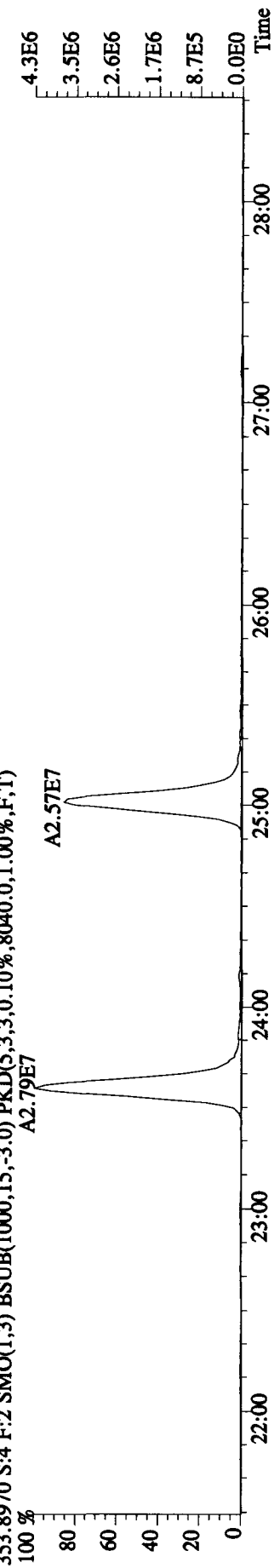
341.8567 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5964.0,1.00%,F,T)



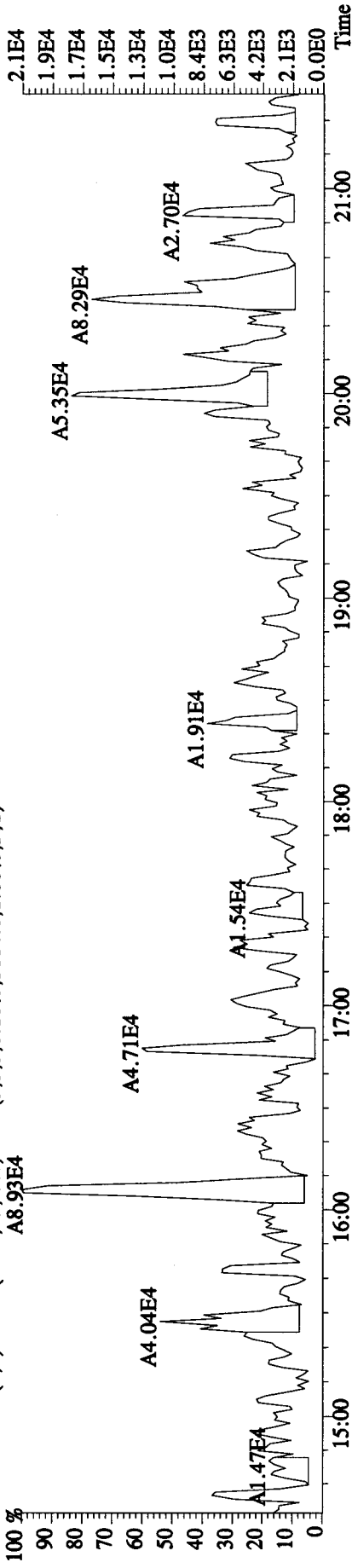
351.9000 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6468.0,1.00%,F,T)



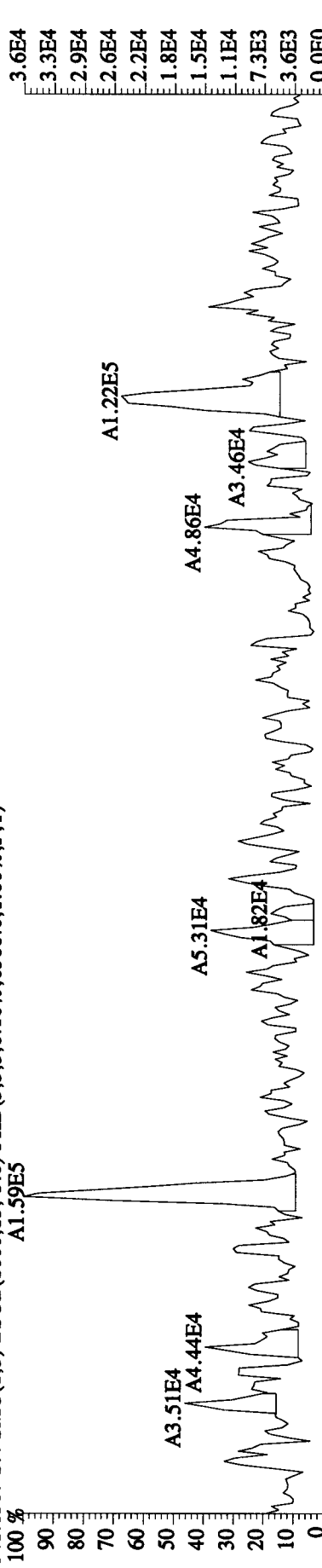
353.8970 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,8040.0,1.00%,F,T)



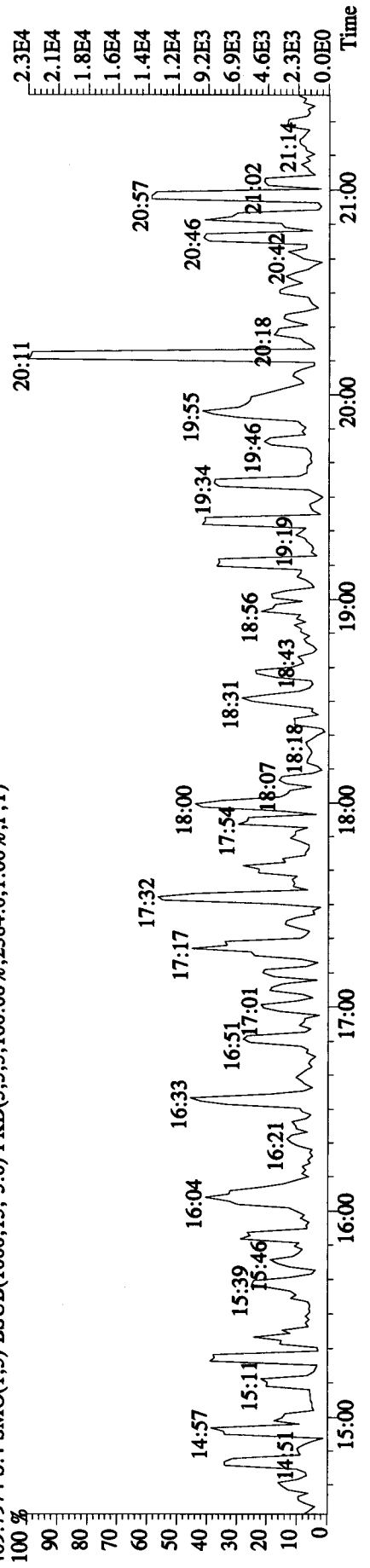
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 339.8597 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3884.0,1.00%,F,T)



341.8567 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6388.0,1.00%,F,T)



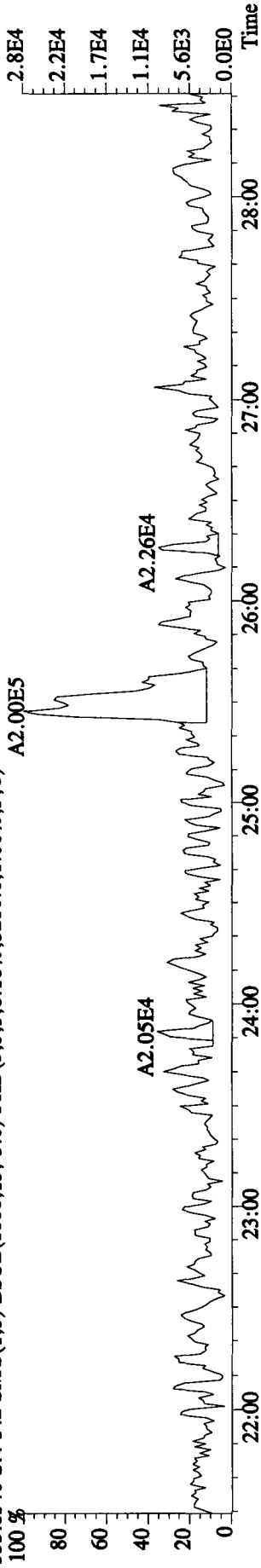
409.7974 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2384.0,1.00%,F,T)



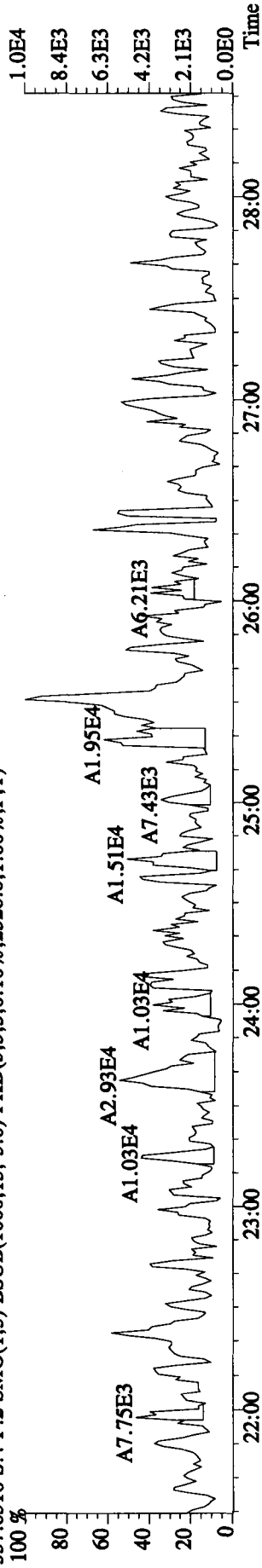
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE

Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN

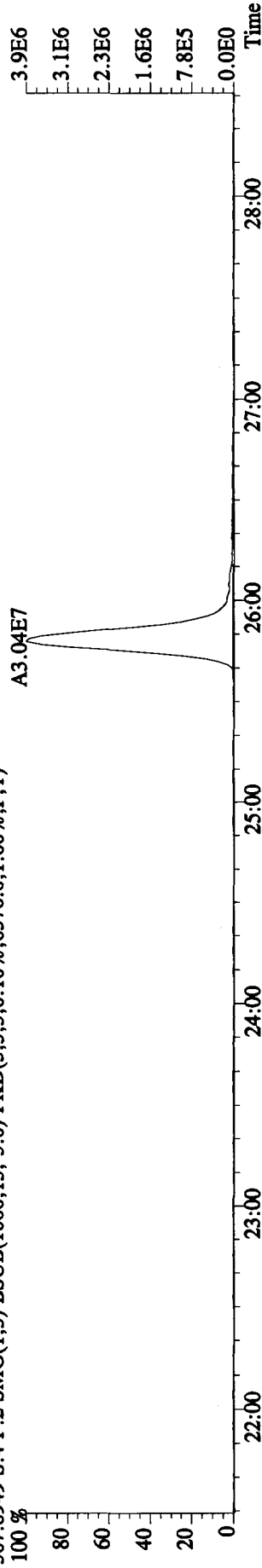
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5280.0,1.00%,F,T)



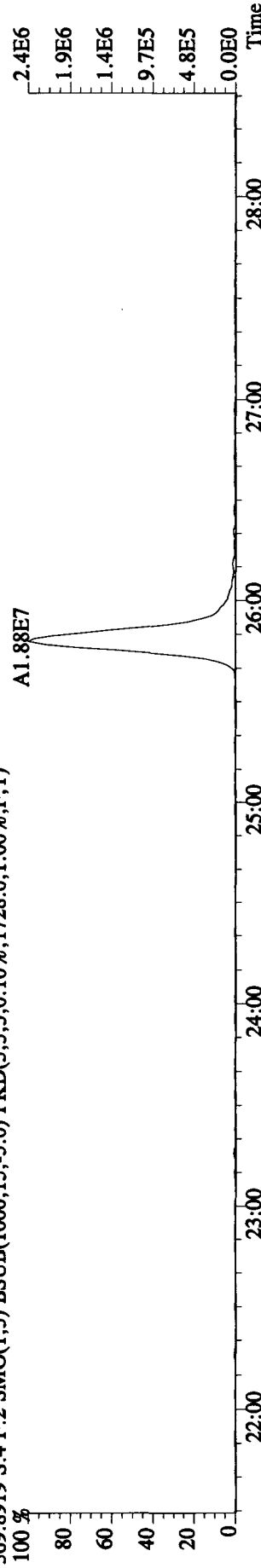
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2328.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6376.0,1.00%,F,T)



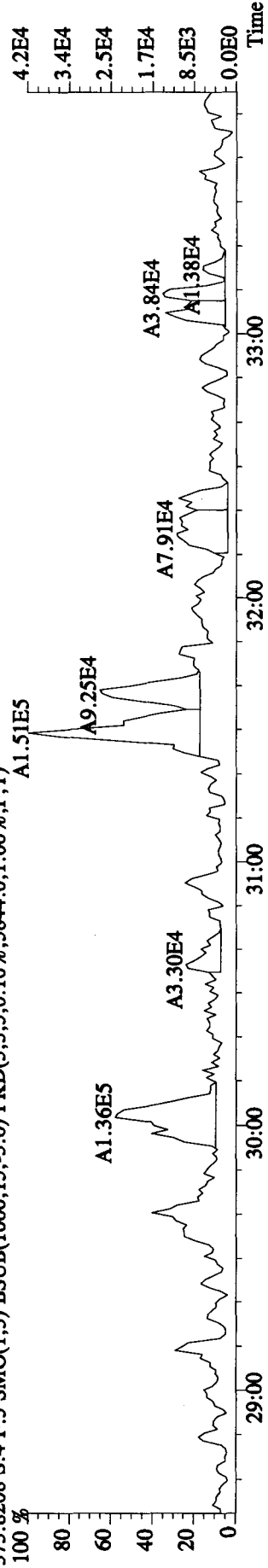
369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1728.0,1.00%,F,T)



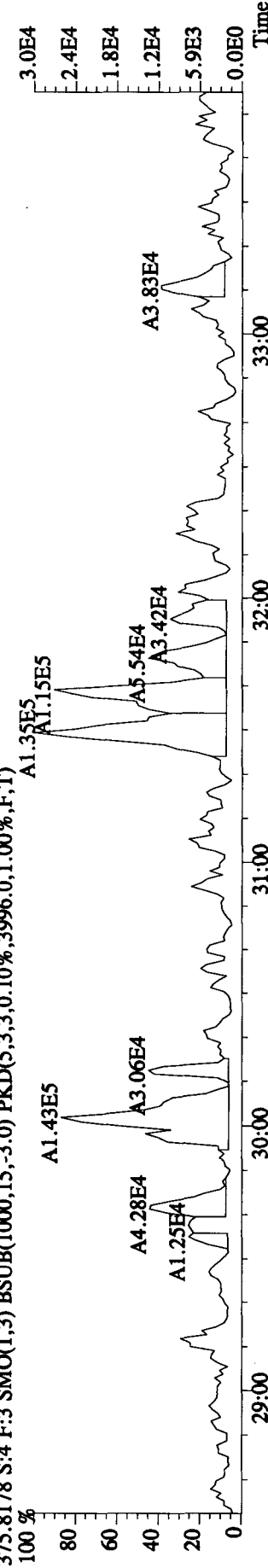
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE

Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN

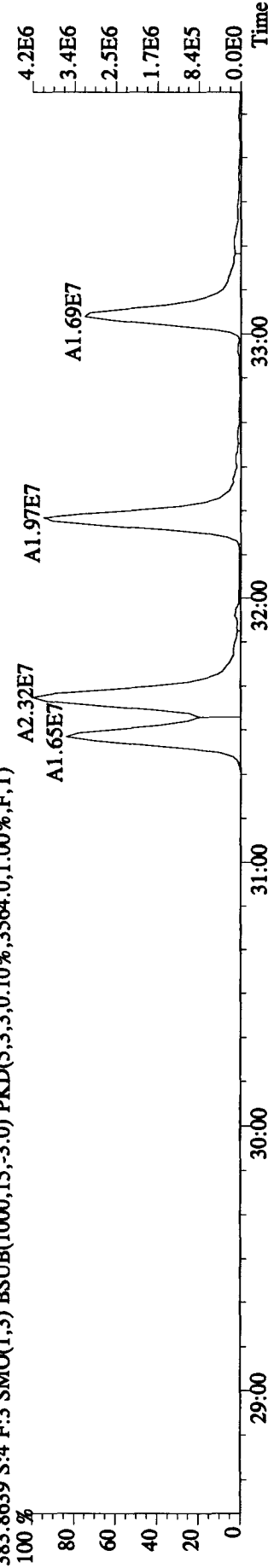
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5844.0,1.00%,F,T)



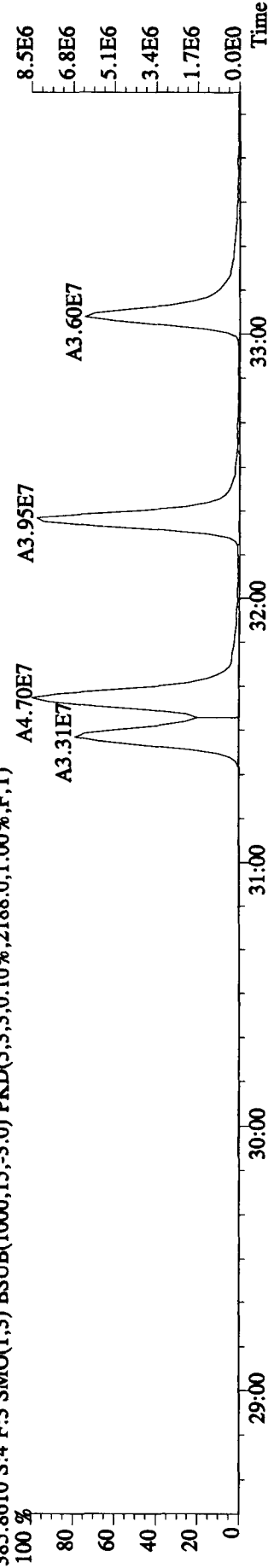
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3996.0,1.00%,F,T)



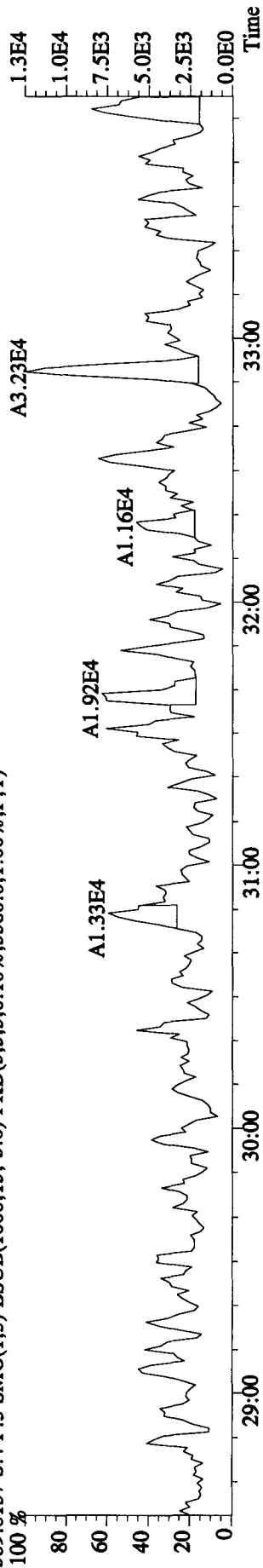
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3564.0,1.00%,F,T)



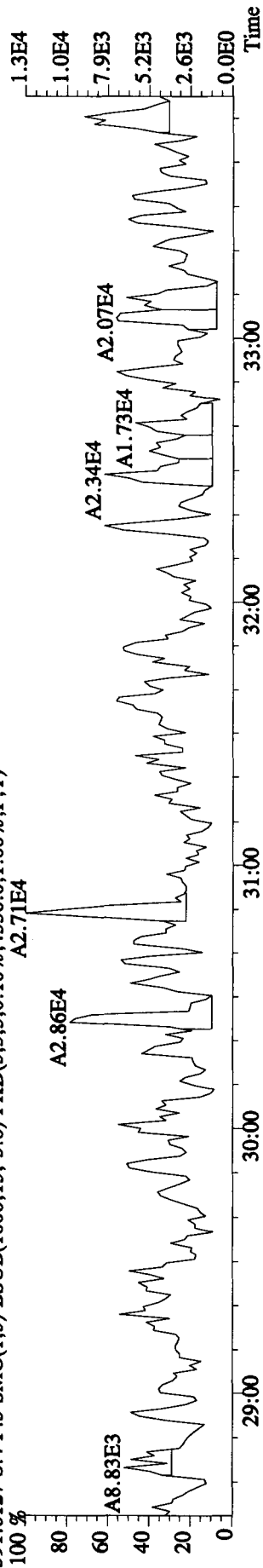
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2188.0,1.00%,F,T)



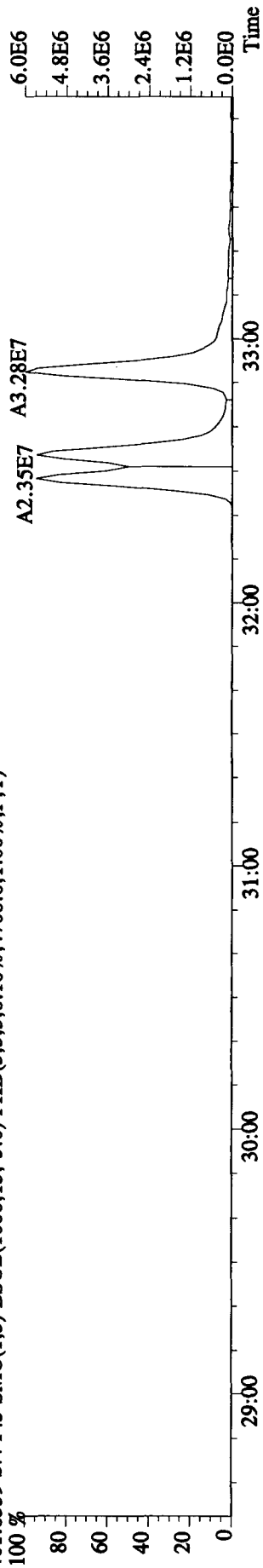
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3580.0,1.00%,F,T)



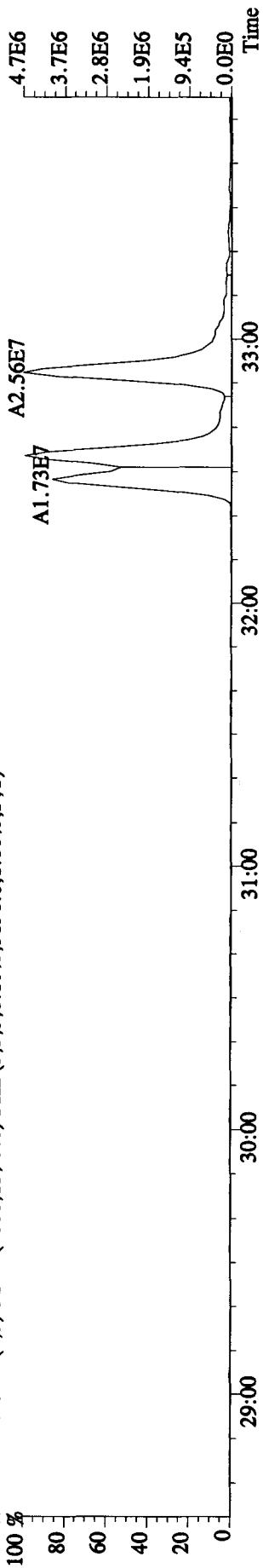
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4556.0,1.00%,F,T)



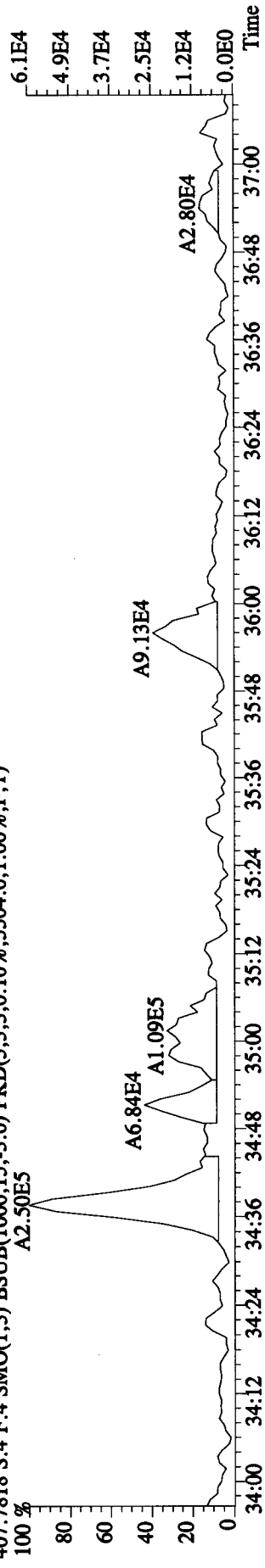
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4708.0,1.00%,F,T)



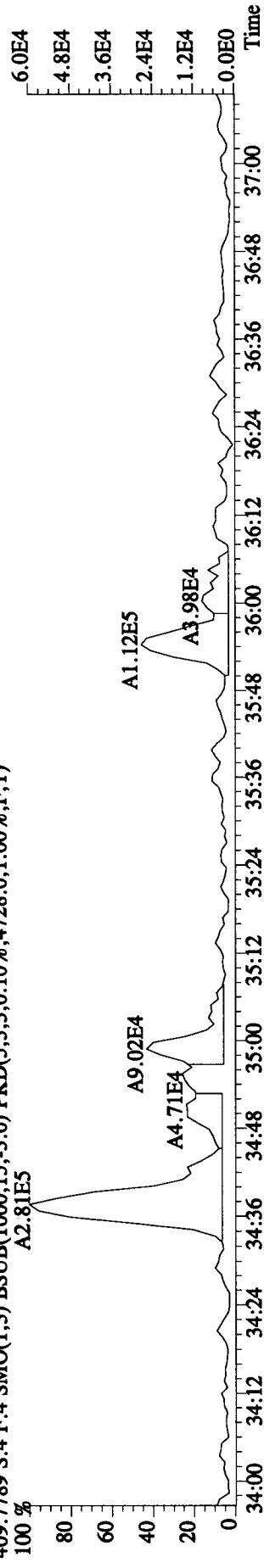
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5896.0,1.00%,F,T)



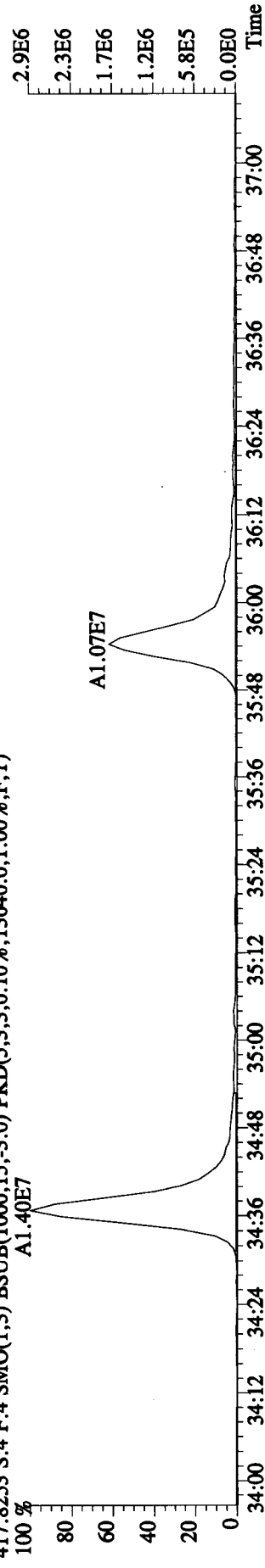
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5504.0,1.00%,F,T)



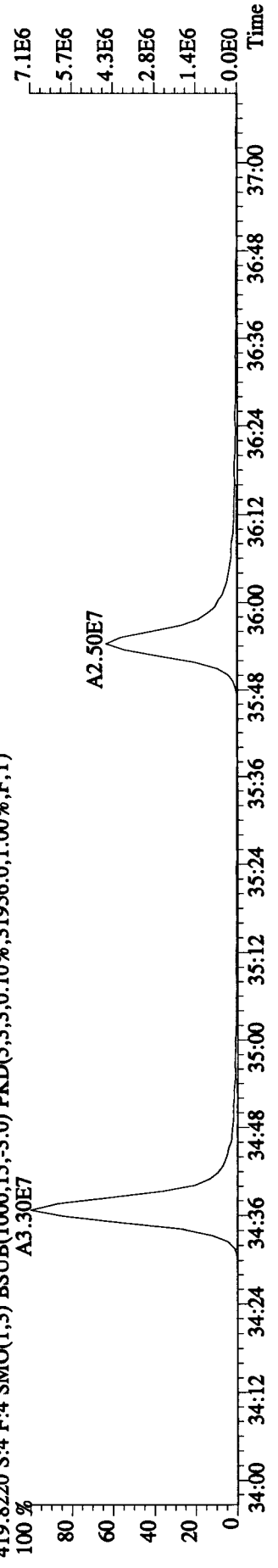
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4728.0,1.00%,F,T)



417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13640.0,1.00%,F,T)



419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31956.0,1.00%,F,T)

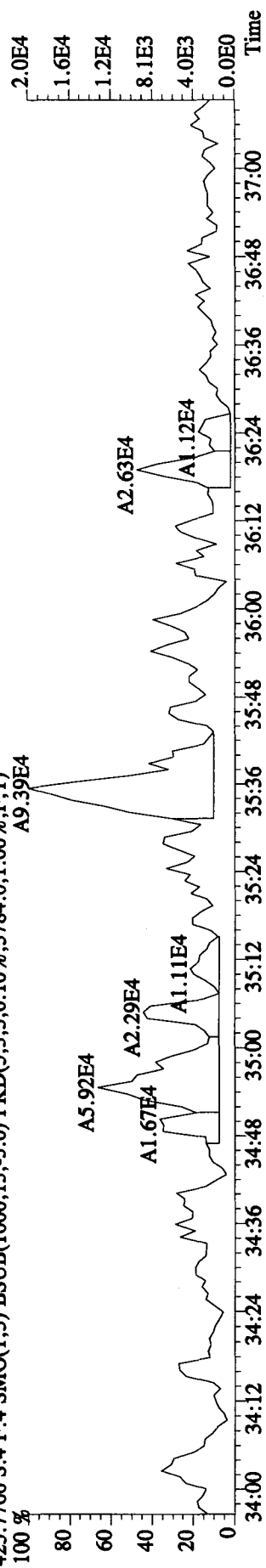


File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE

Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN

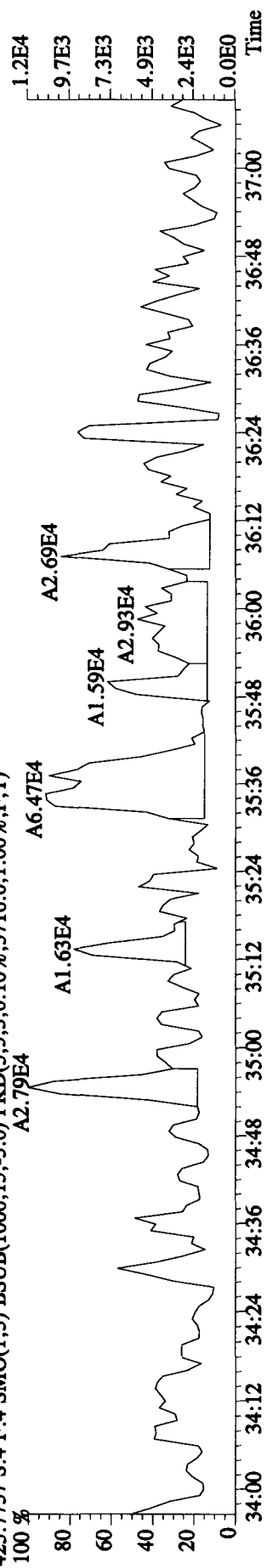
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3784.0,1.00%,F,T)

A9.39E4



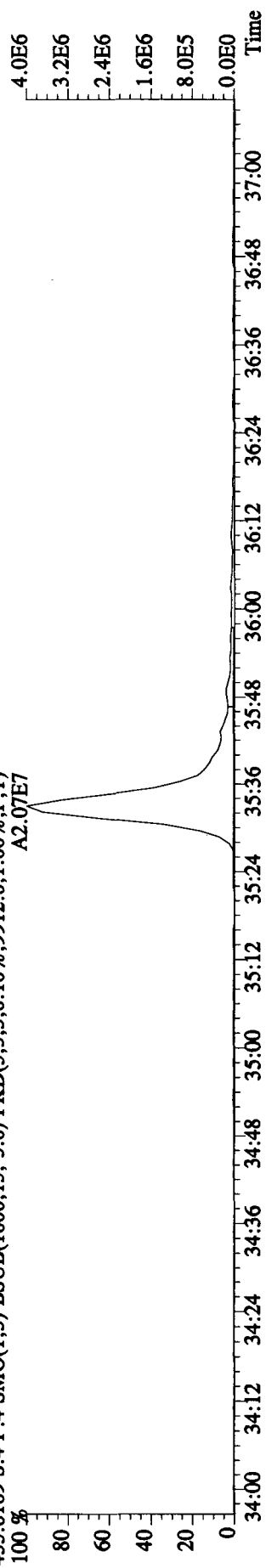
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3716.0,1.00%,F,T)

A6.47E4



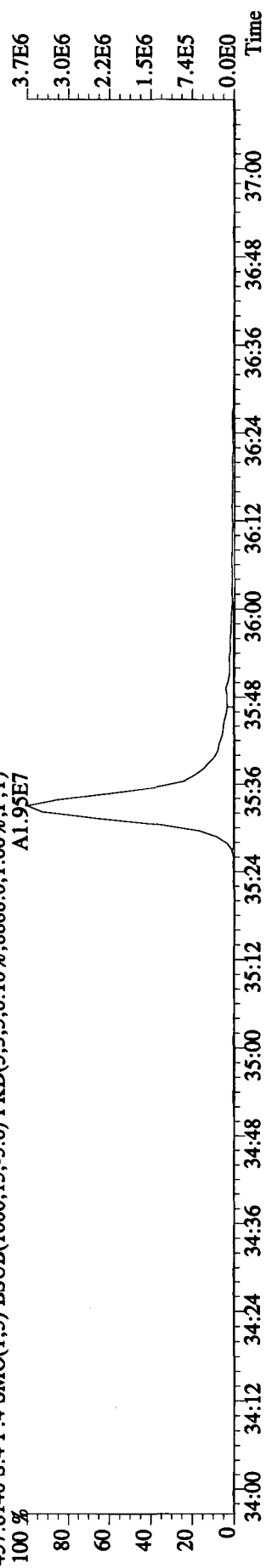
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9912.0,1.00%,F,T)

A2.07E7



437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8888.0,1.00%,F,T)

A1.95E7

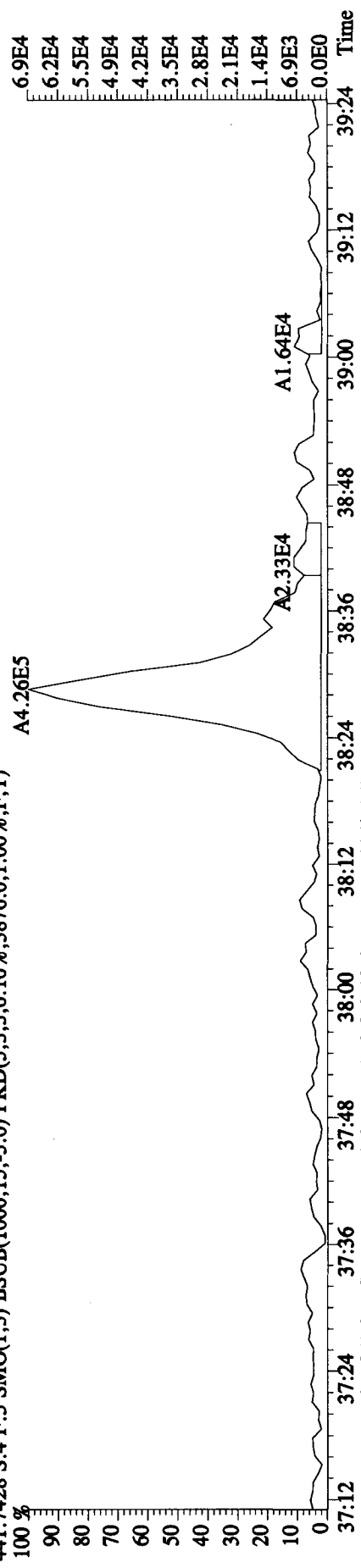




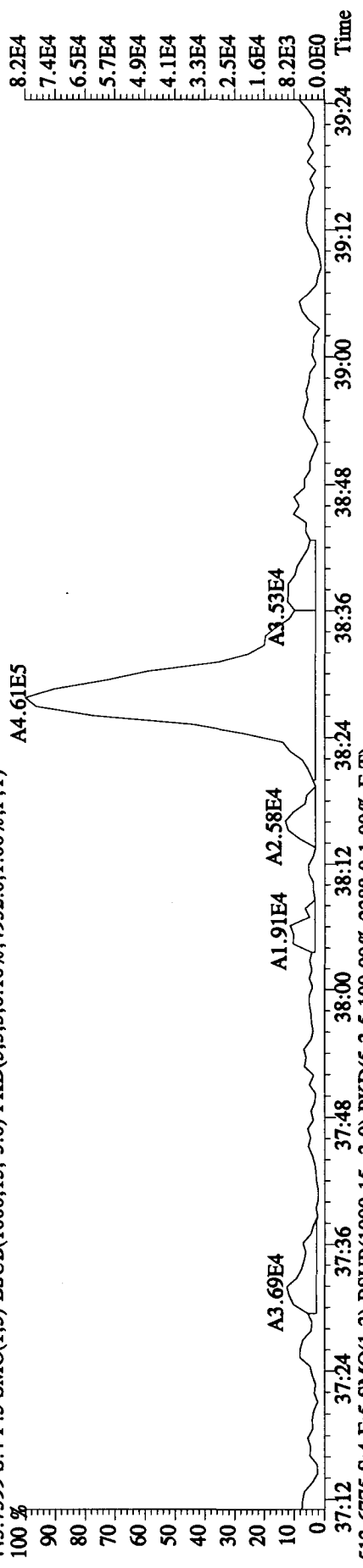
File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE

Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN

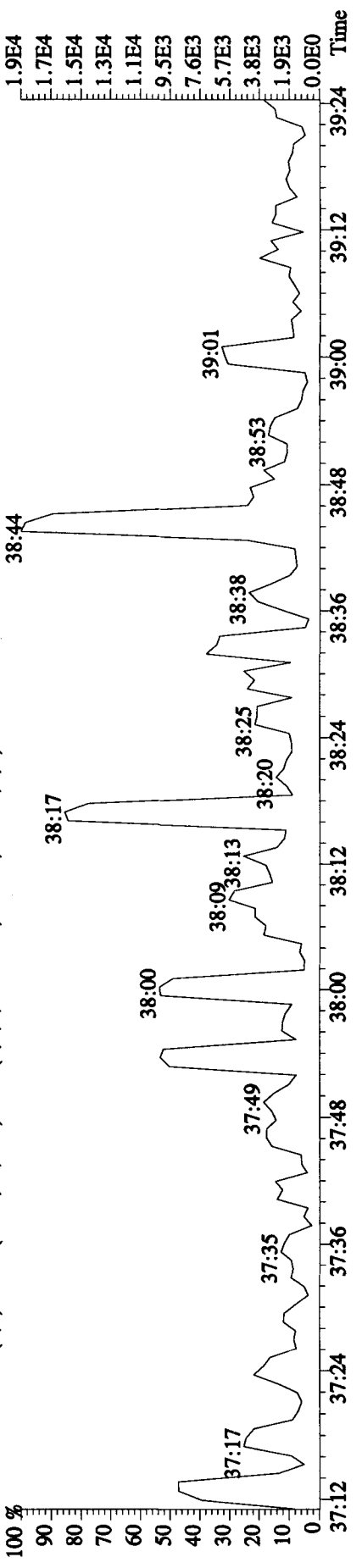
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3876.0,1.00%,F,T)



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)

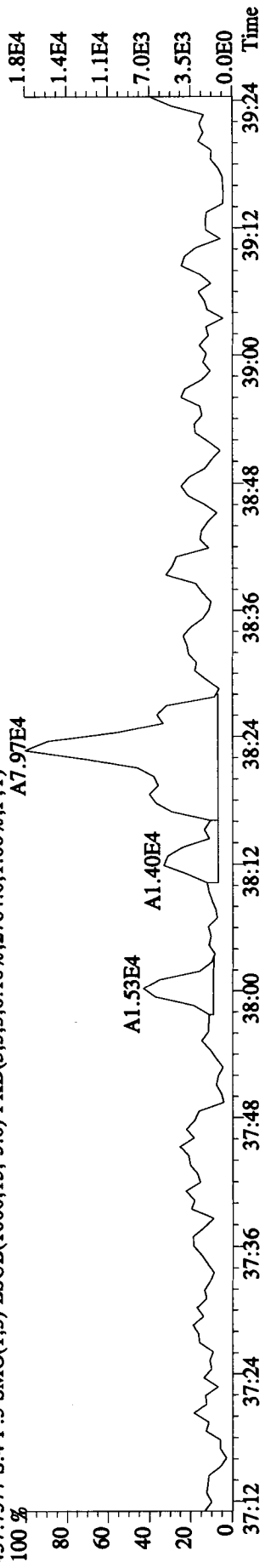


513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2388.0,1.00%,F,T)

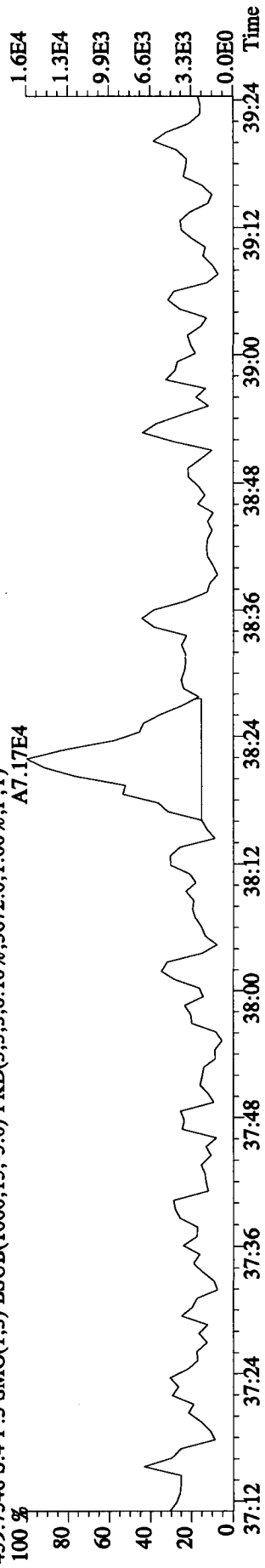


File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
Sample#4 Text:L.RNEV-1-AA :G9L280000-386B Exp:DIOXIN

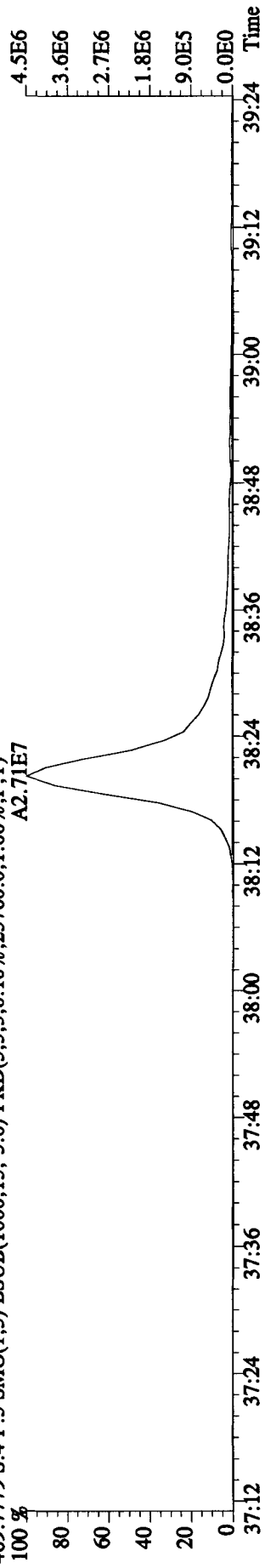
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2784.0,1.00%,F,T)  
100 %



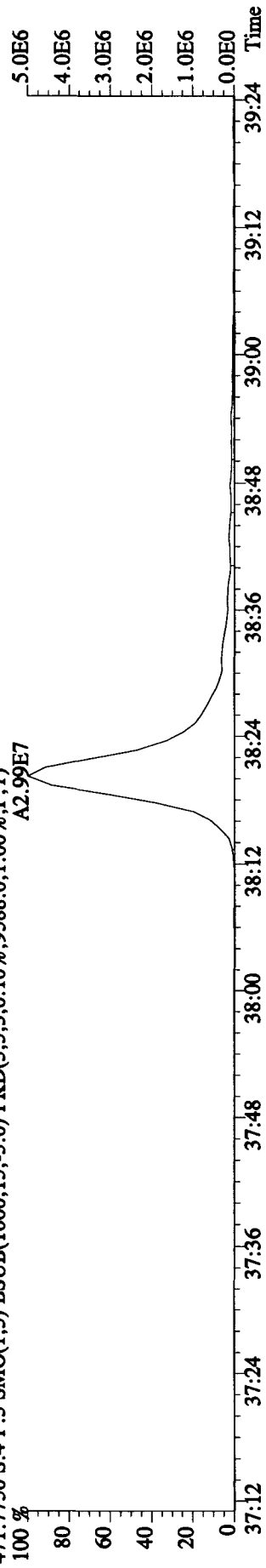
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3672.0,1.00%,F,T)  
100 %



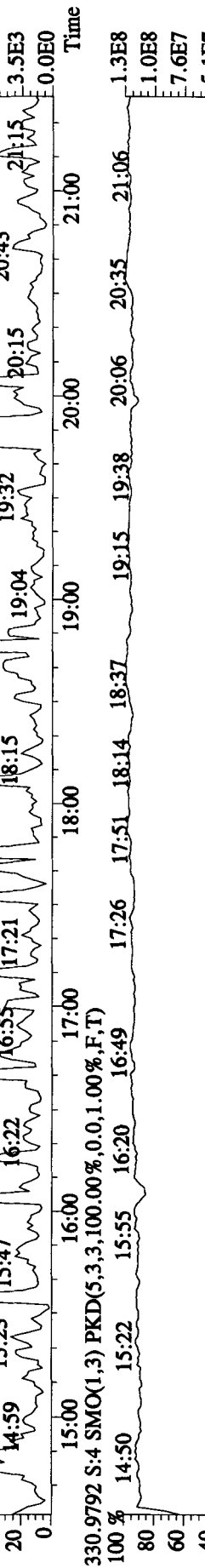
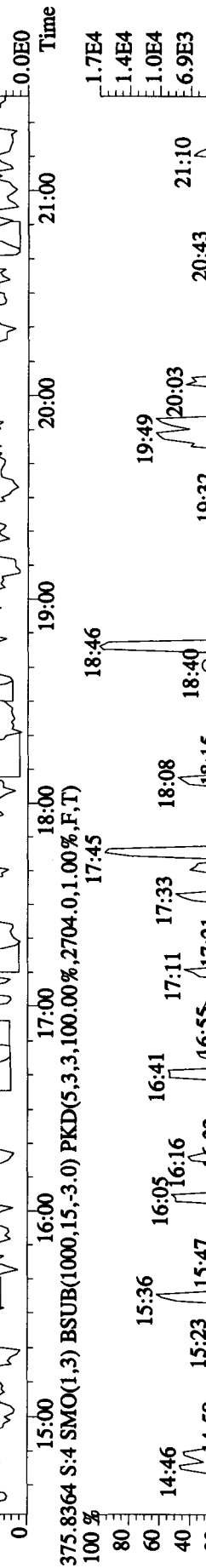
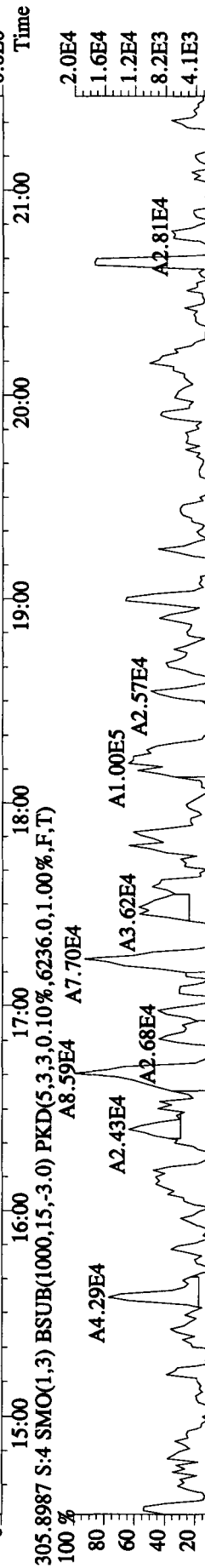
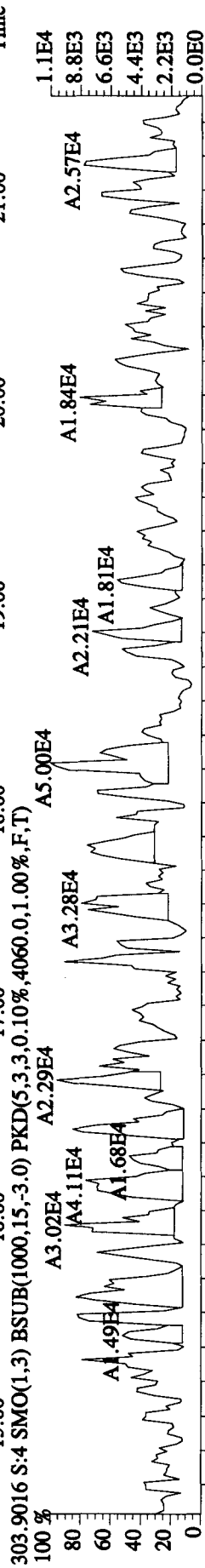
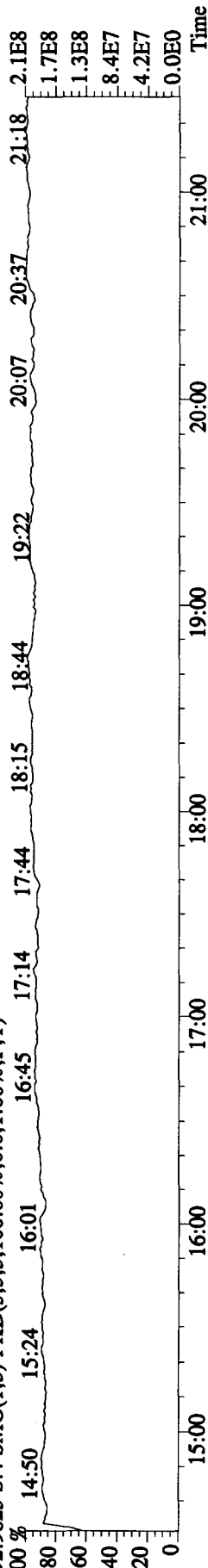
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,23760.0,1.00%,F,T)  
100 %



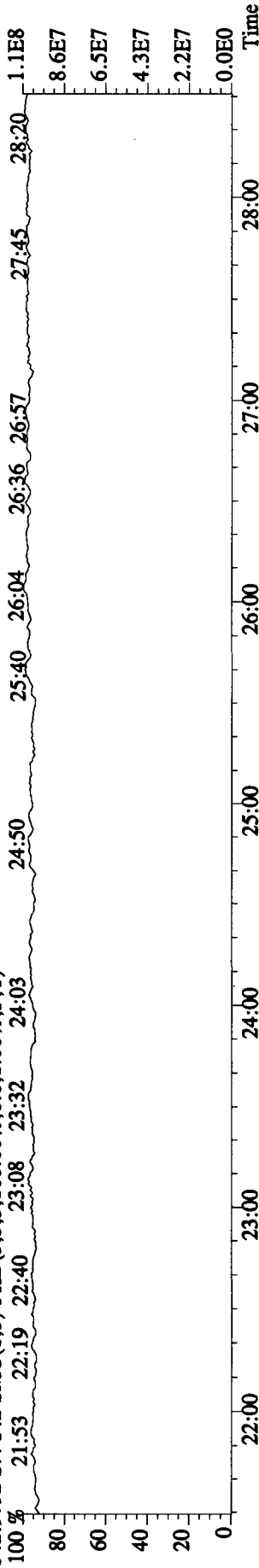
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9588.0,1.00%,F,T)  
100 %



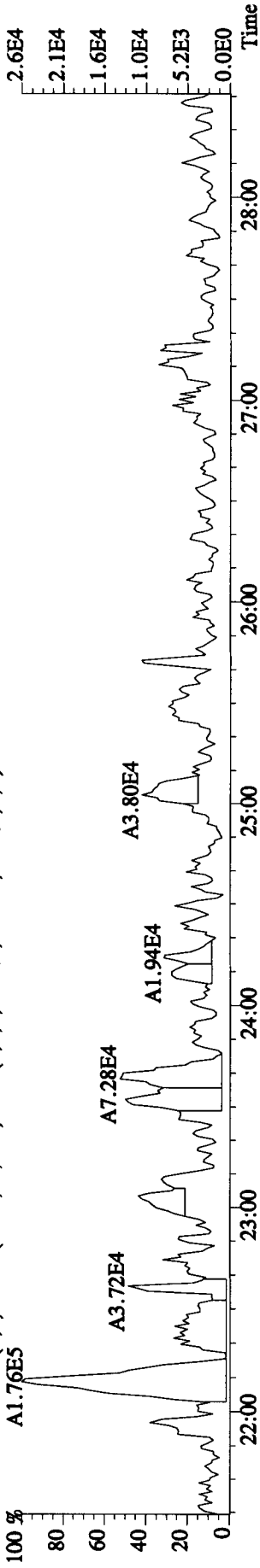
File:04JA10AID5 #1-411 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



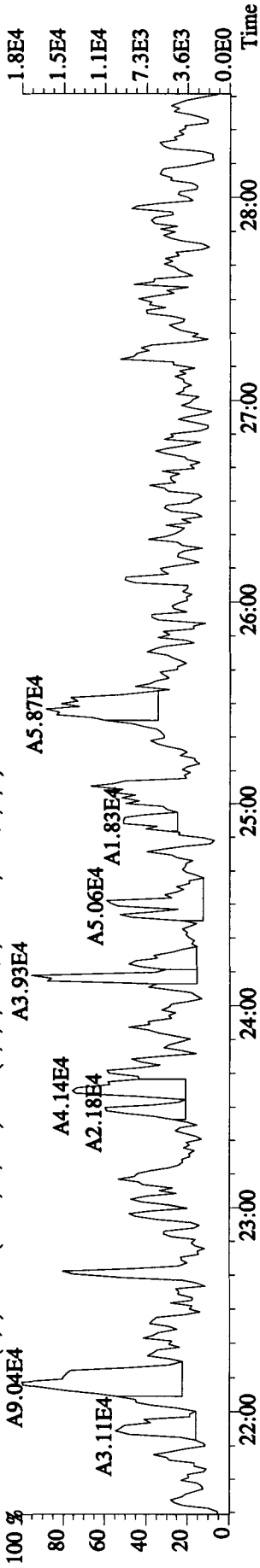
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 21:53 22:19 22:40 23:08 23:32 24:03 24:50 25:40 26:04 26:36 26:57 27:45 28:20



339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4144.0,1.00%,F,T)  
 100 % A1.76E5

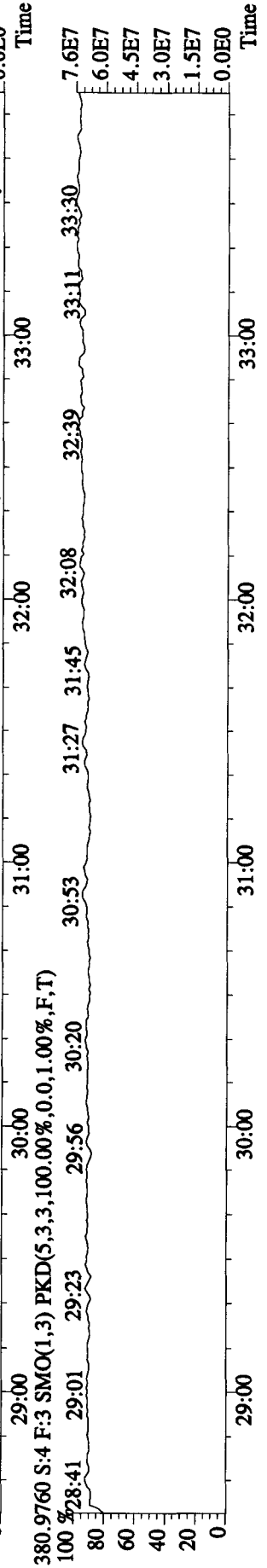
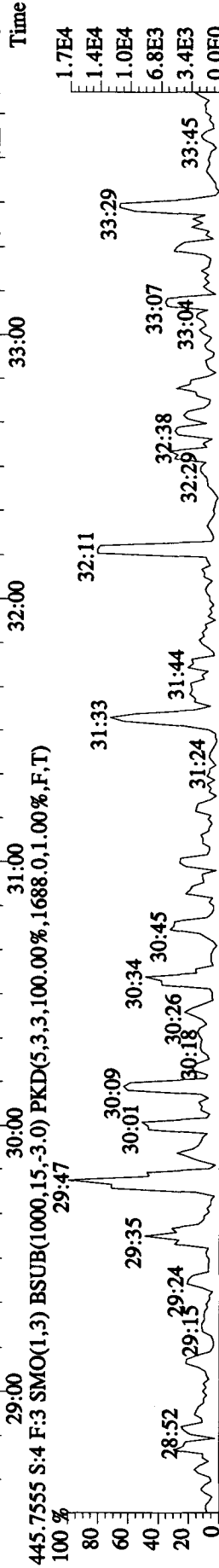
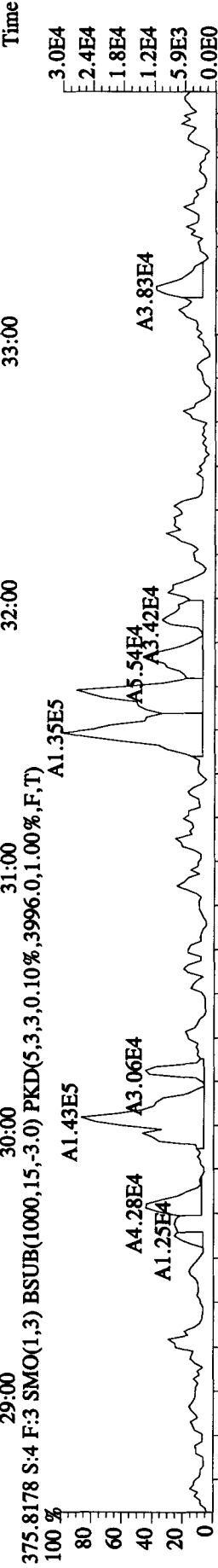
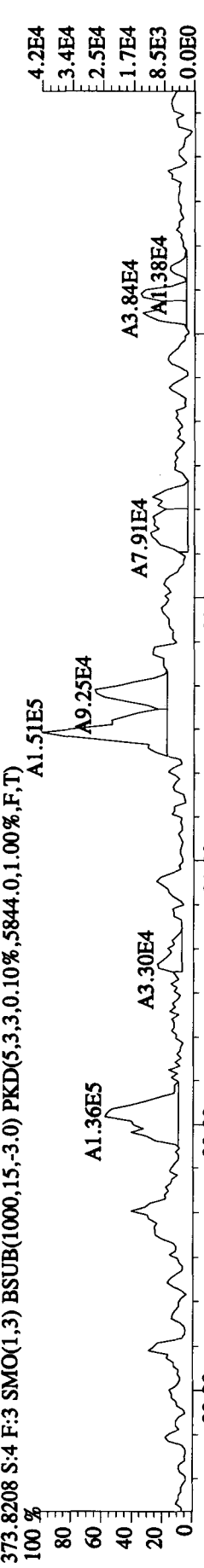
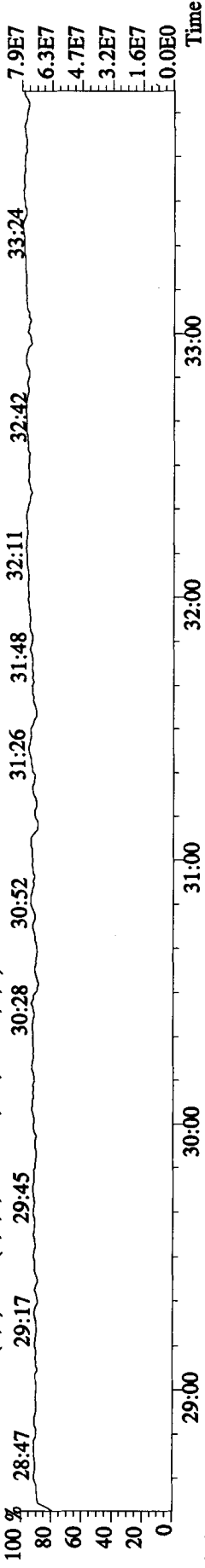


341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5964.0,1.00%,F,T)  
 100 % A9.04E4



409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2620.0,1.00%,F,T)  
 100 %

File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

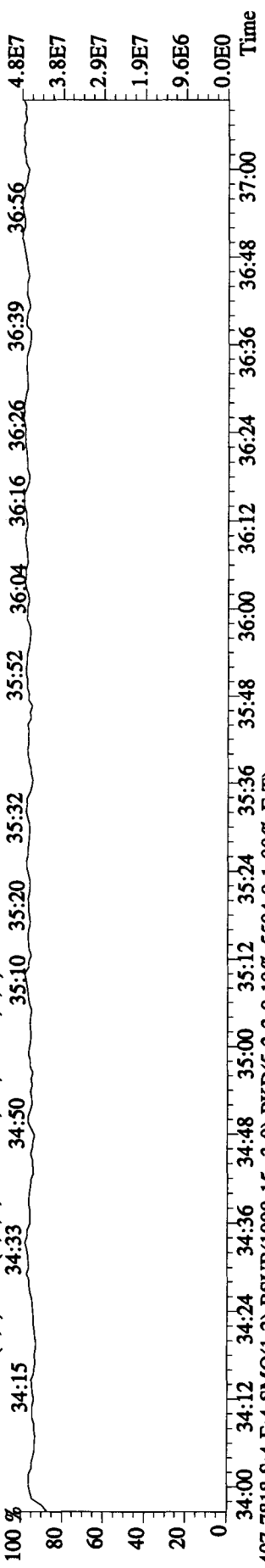


File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE

Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN

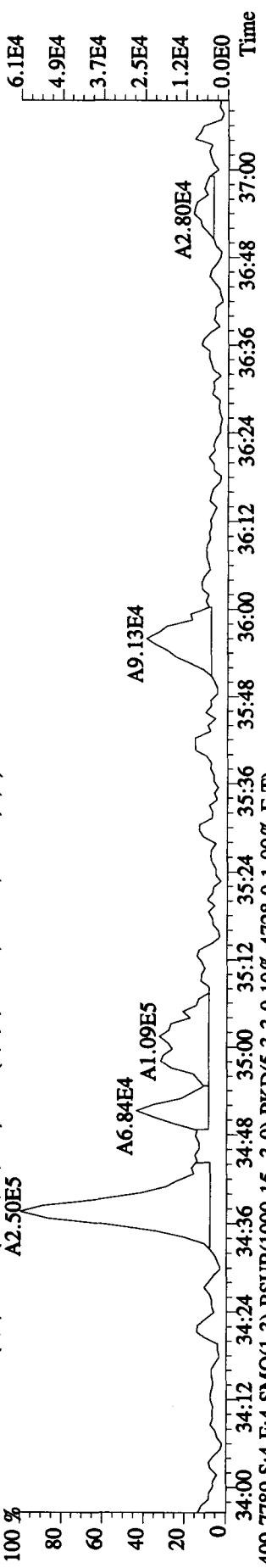
430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 34:15 34:33 34:50 35:10 35:20 35:32 35:52 36:04 36:16 36:26 36:39 36:56



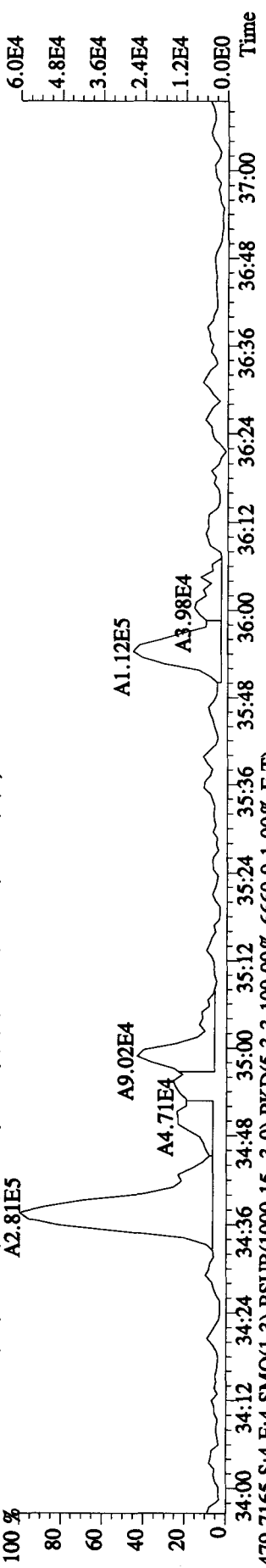
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5504.0,1.00%,F,T)

100 % A2.50E5



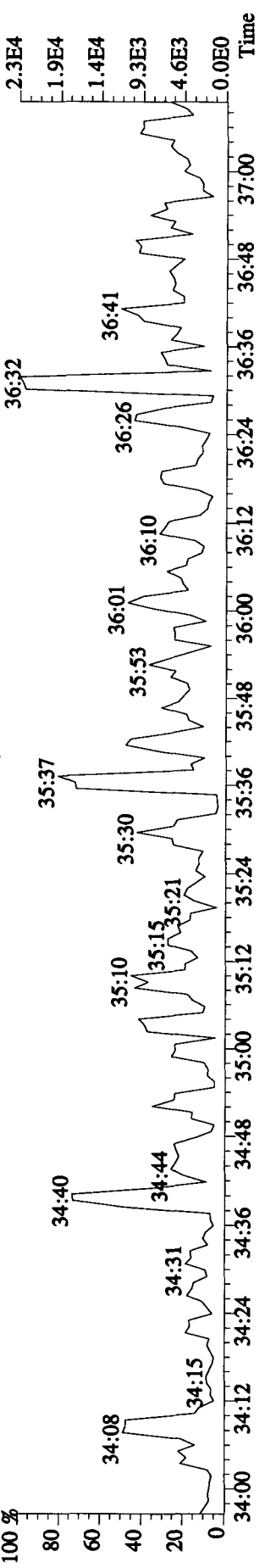
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4728.0,1.00%,F,T)

100 % A2.81E5

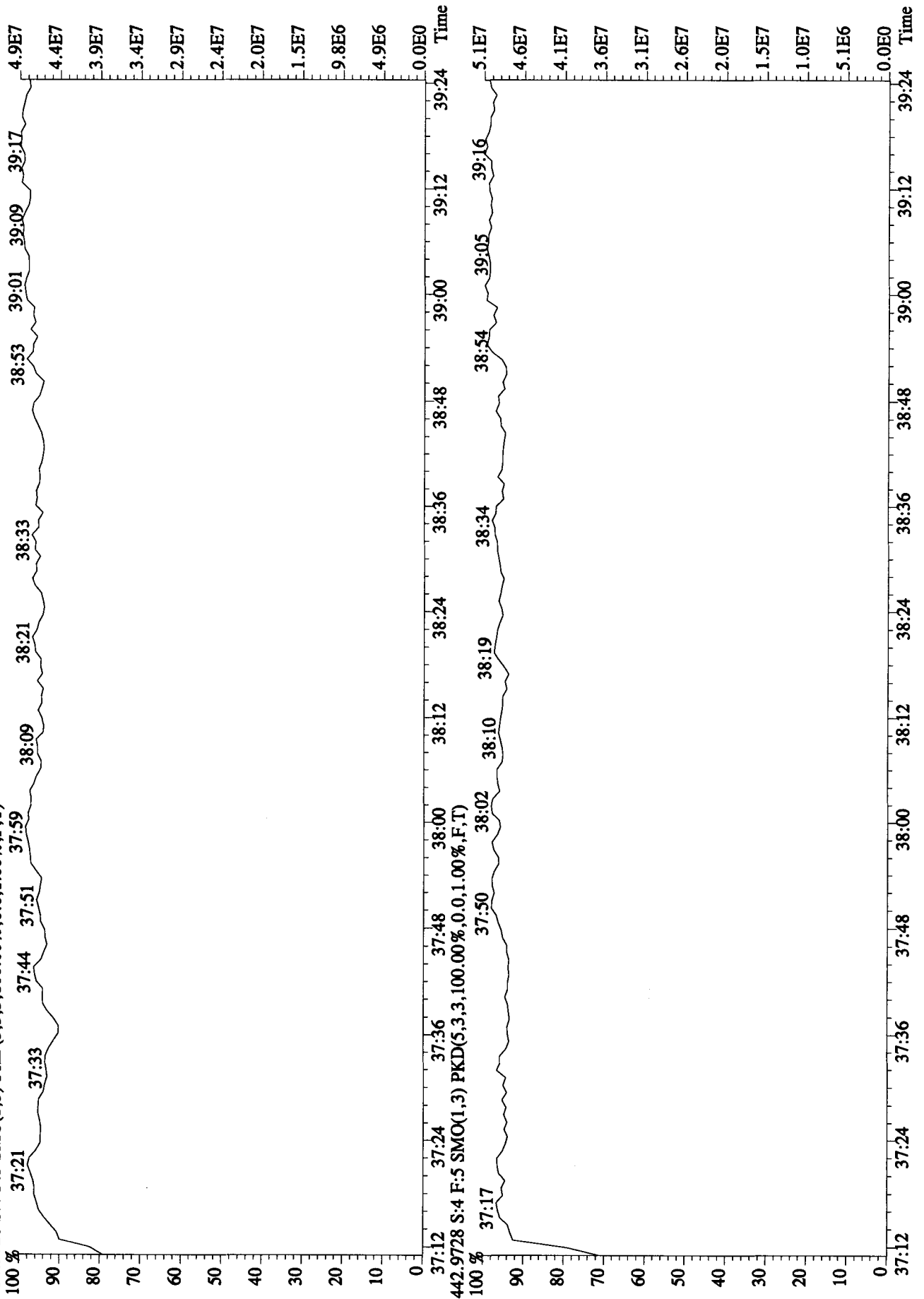


479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,6660.0,1.00%,F,T)

100 %



File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 16:28:12 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:LRNEV-1-AA :G9L280000-386B Exp:DIOXIN  
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



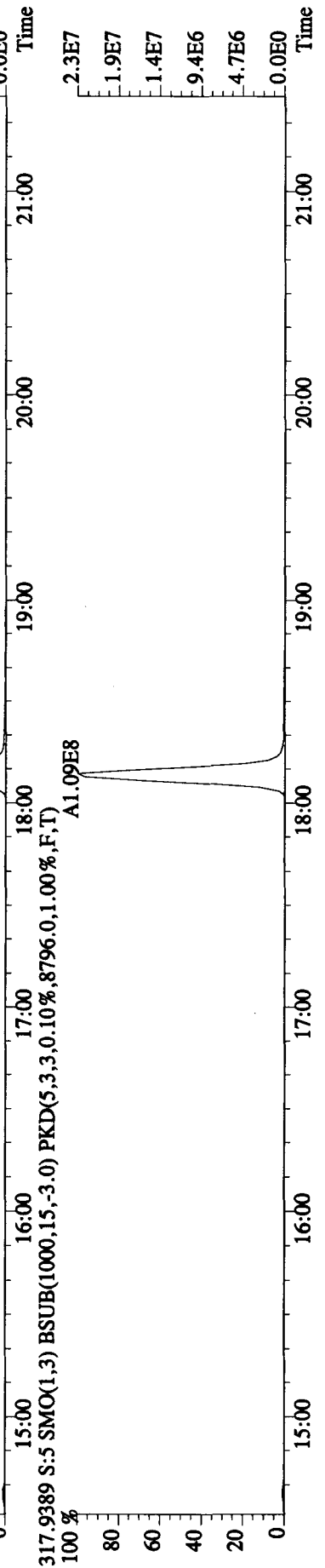
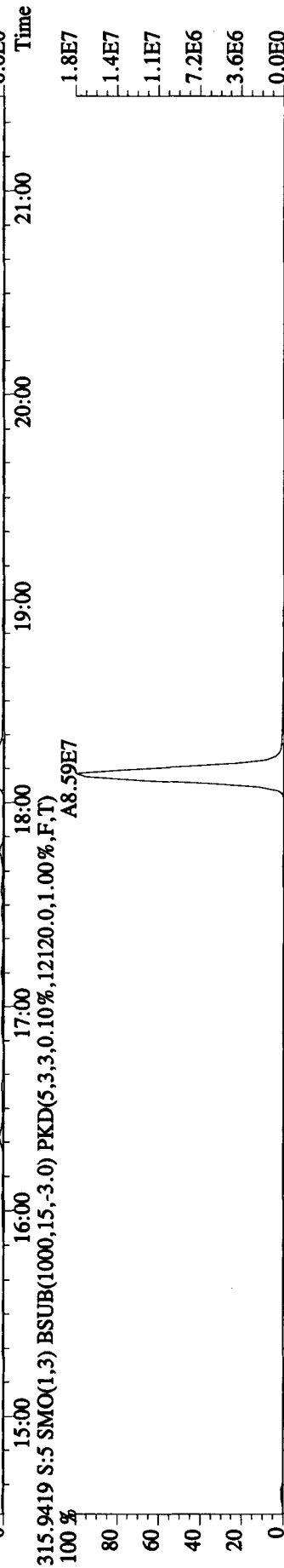
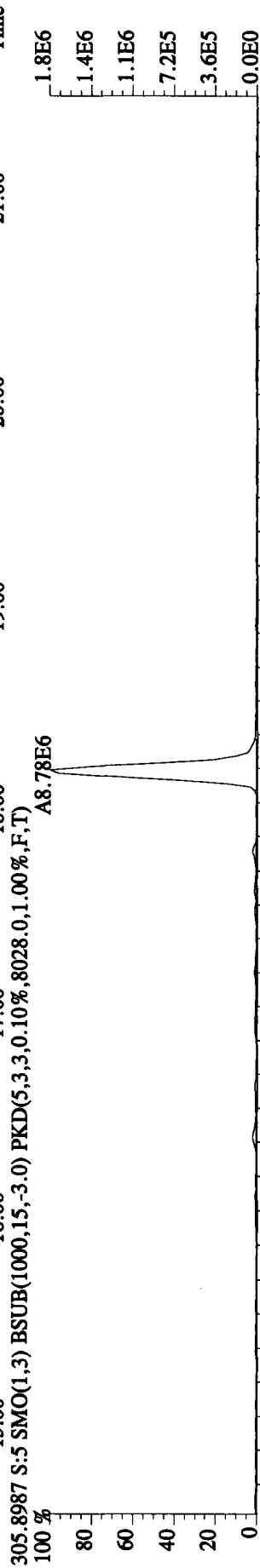
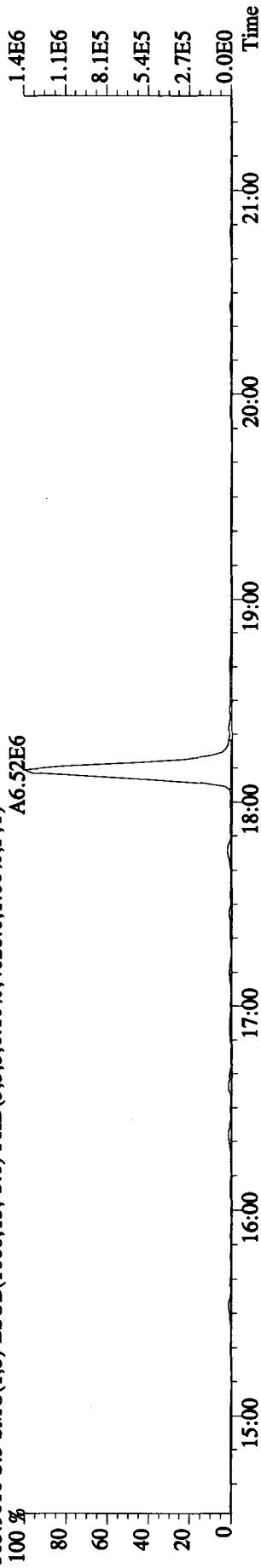
*Handwritten signature and date:*  
1/5/10

Run text: LRNEV-1-AC      Sample text: LRNEV-1-AC :G9L280000-386C  
 Run #9    Filename: 04JA10A1D5    S: 5    I: 1    Results: 04JA10A1D58290  
 Acquired: 4-JAN-10    17:10:00      Processed: 4-JAN-10    17:54:46  
 Run: 04JA10A1D5      Analyte: 8290HRS      Cal: 82901231091D5  
 Factor 1: 1600.000    Factor 2: 20.000      Sample size: 10.0000g

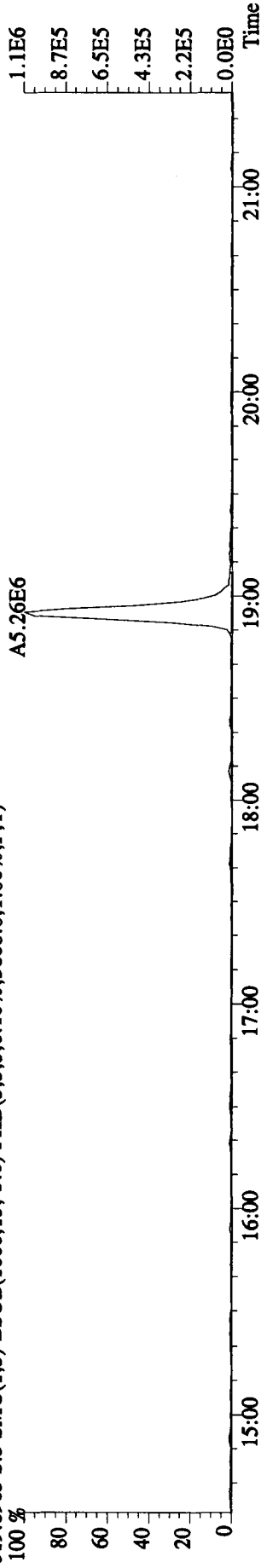
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	129022300	0.78 y	18:42	-	4.14	-	-	n
13C-2,3,7,8-TCDF	195241800	0.79 y	18:09	1.57	96.63	0.14	48.3	n
2,3,7,8-TCDF	15293510	0.74 y	18:10	0.86	18.22	0.20	-	n
Total TCDF	16231517	0.71 y	16:23	0.86	19.34	0.20	-	n
13C-2,3,7,8-TCDD	142632900	0.79 y	18:54	0.99	111.29	0.40	55.6	n
2,3,7,8-TCDD	12530750	0.72 y	18:55	0.93	18.82	0.20	-	n
Total TCDD	12787964	1.46 n	16:30	0.93	19.20	0.20	-	n
37Cl-2,3,7,8-TCDD	155500400	1.00 y	18:55	2.22	54.34	0.06	67.9	n
13C-1,2,3,7,8-PeCDF	141273900	1.60 y	23:33	1.07	102.06	0.19	51.0	n
1,2,3,7,8-PeCDF	68516700	1.59 y	23:35	1.00	96.99	0.37	-	n
2,3,4,7,8-PeCDF	64866900	1.58 y	25:01	0.94	97.84	0.39	-	n
Total F2 PeCDF	135051181	1.02 n	22:07	0.97	197.27	0.38	-	n
Total F1 PeCDF	58078	1.35 y	20:28	0.97	0.08	0.29	-	n
13C-1,2,3,7,8-PeCDD	94330100	1.62 y	25:45	0.67	109.72	0.16	54.9	n
1,2,3,7,8-PeCDD	43244700	1.59 y	25:47	0.93	98.68	0.40	-	n
Total PeCDD	43653953	3.13 n	23:34	0.93	99.61	0.40	-	n
13C-1,2,3,7,8,9-HxCDD	104753000	1.29 y	32:51	-	3.82	-	-	n
13C-1,2,3,4,7,8-HxCDF	100488400	0.52 y	31:27	0.89	107.45	0.14	53.7	n
1,2,3,4,7,8-HxCDF	60759200	1.25 y	31:28	1.20	100.85	0.18	-	n
1,2,3,6,7,8-HxCDF	72352300	1.25 y	31:37	1.37	105.02	0.16	-	n
2,3,4,6,7,8-HxCDF	63942900	1.25 y	32:17	1.24	102.46	0.18	-	n
1,2,3,7,8,9-HxCDF	59971600	1.24 y	33:04	1.33	90.01	0.17	-	n
Total HxCDF	257724421	0.35 n	29:30	1.28	399.42	0.17	-	n
13C-1,2,3,6,7,8-HxCDD	102159400	1.26 y	32:33	0.73	133.21	0.17	66.6	n
1,2,3,4,7,8-HxCDD	43400100	1.25 y	32:28	0.97	87.60	0.24	-	n
1,2,3,6,7,8-HxCDD	52134700	1.27 y	32:33	1.06	96.44	0.22	-	n
1,2,3,7,8,9-HxCDD	54114700	1.27 y	32:52	1.28	83.07	0.18	-	n
Total HxCDD	150267160	1.25 y	32:28	1.10	268.21	0.21	-	n
13C-1,2,3,4,6,7,8-HpCDF	96970100	0.41 y	34:36	0.86	107.62	1.32	53.8	n
1,2,3,4,6,7,8-HpCDF	63776900	1.05 y	34:37	1.29	102.24	0.67	-	n
1,2,3,4,7,8,9-HpCDF	52040400	1.06 y	35:54	1.14	94.54	0.76	-	n
Total HpCDF	115817300	1.05 y	34:37	1.21	196.77	0.72	-	n
13C-1,2,3,4,6,7,8-HpCDD	92676400	1.05 y	35:32	0.75	117.62	0.61	58.8	n
1,2,3,4,6,7,8-HpCDD	44216100	1.06 y	35:33	1.00	95.63	0.58	-	n
Total HpCDD	44372673	0.92 y	34:54	1.00	95.97	0.58	-	n
13C-OCDD	146832400	0.91 y	38:20	0.56	248.34	0.75	62.1	n
OCDF	95019700	0.89 y	38:28	1.44	180.09	0.80	-	n
OCDD	79278200	0.88 y	38:20	1.11	194.65	0.97	-	n



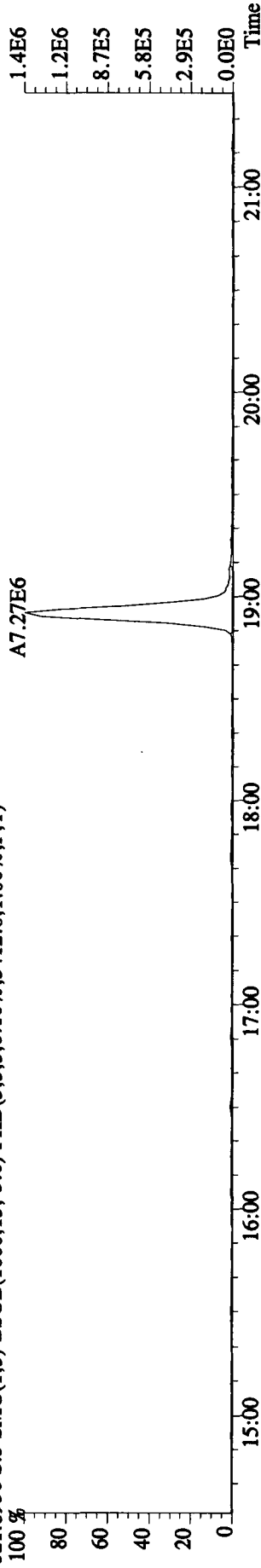
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:L RNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4028.0,1.00%,F,T)



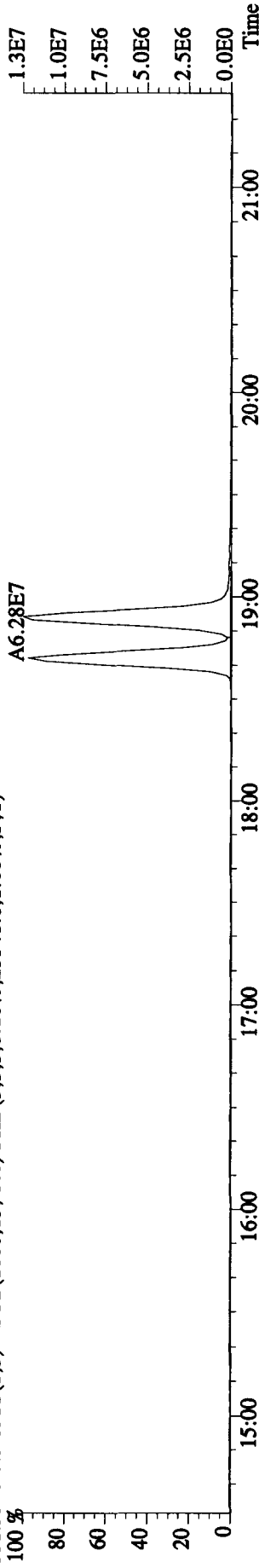
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 319.8965 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,3608.0,1.00%,F,T)



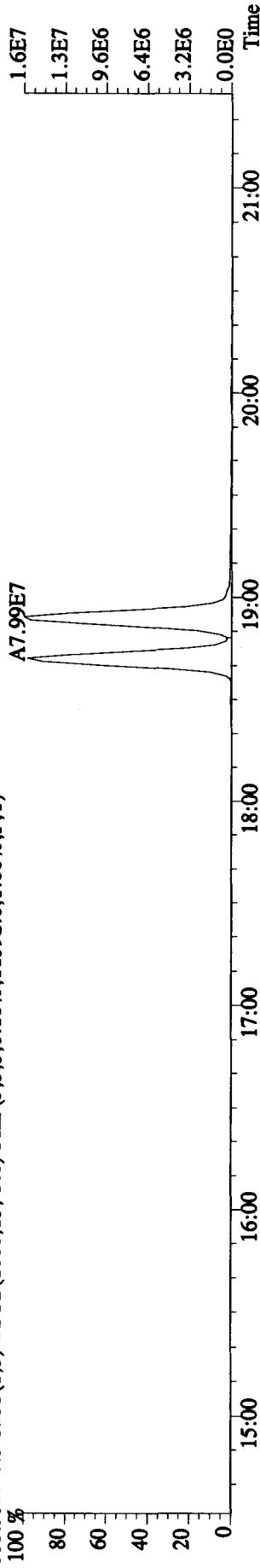
321.8936 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,5412.0,1.00%,F,T)



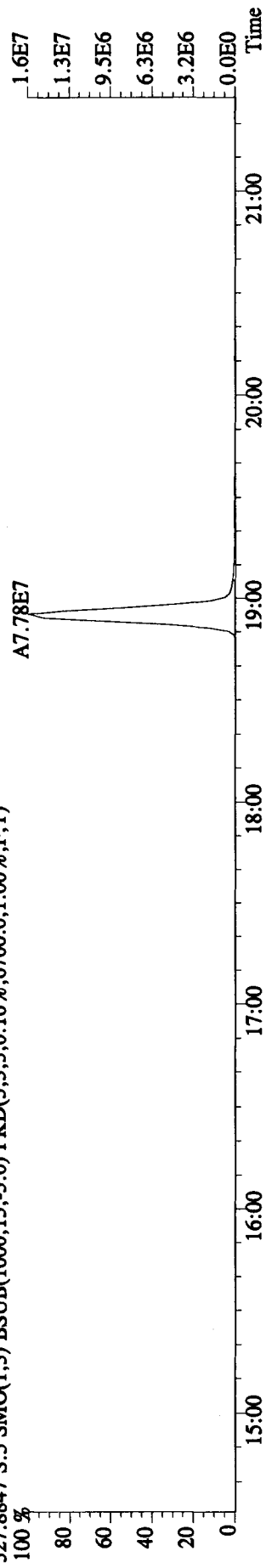
331.9368 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,25348.0,1.00%,F,T)



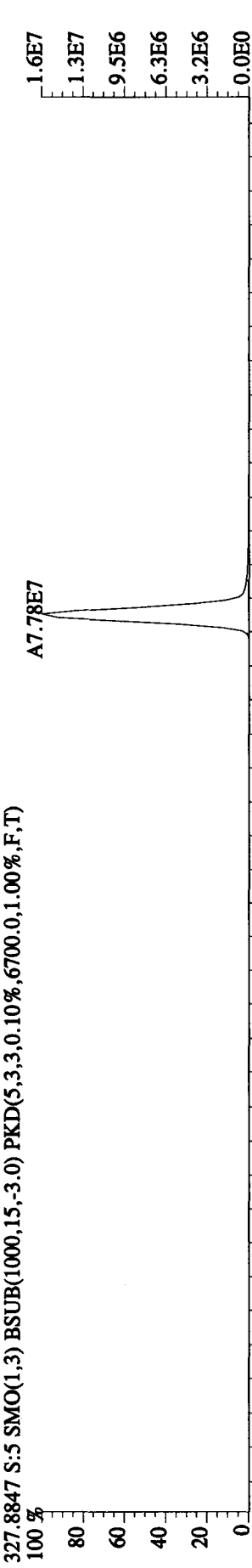
333.9339 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,11592.0,1.00%,F,T)



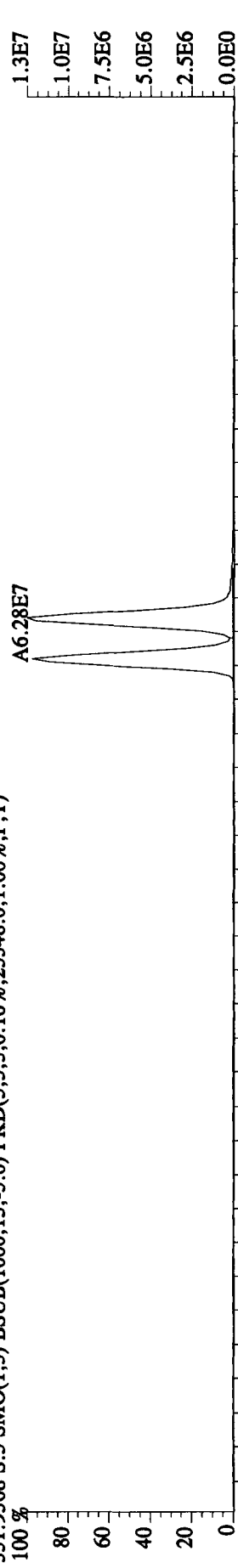
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6700.0,1.00%,F,T)



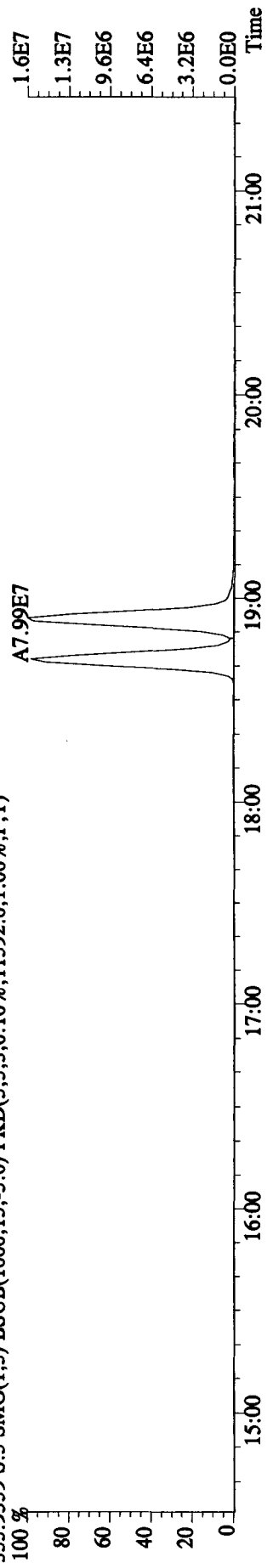
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6700.0,1.00%,F,T)



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25348.0,1.00%,F,T)



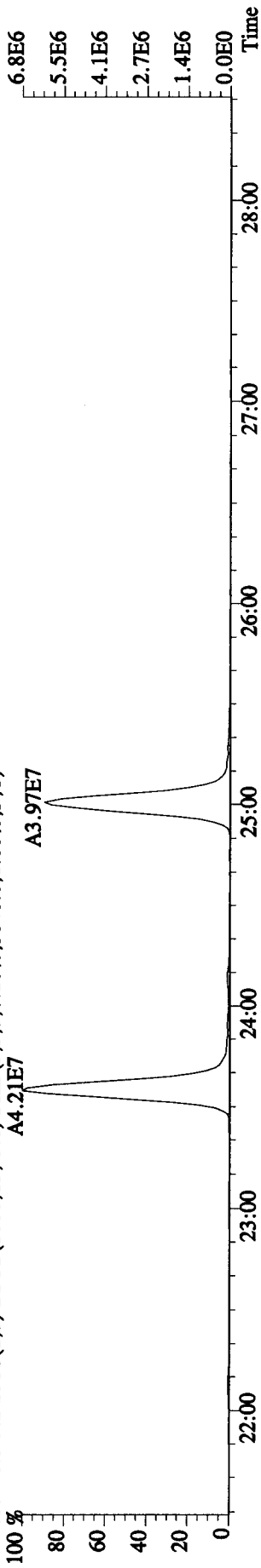
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11592.0,1.00%,F,T)



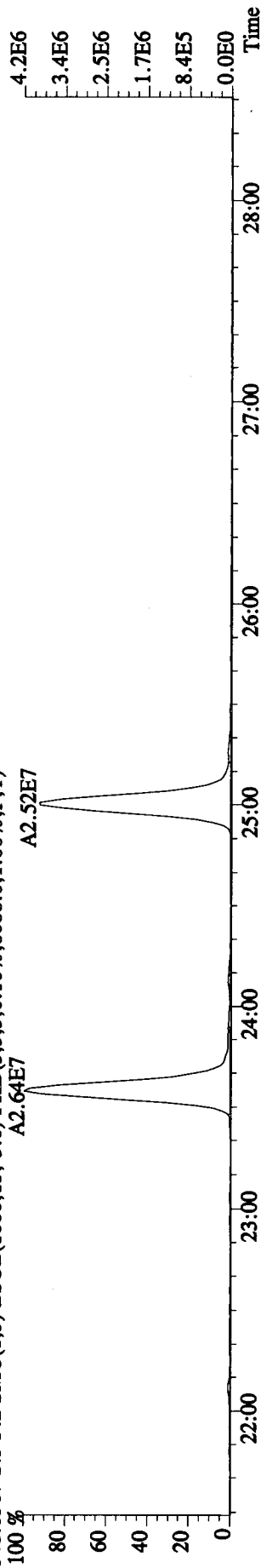
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE

Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN

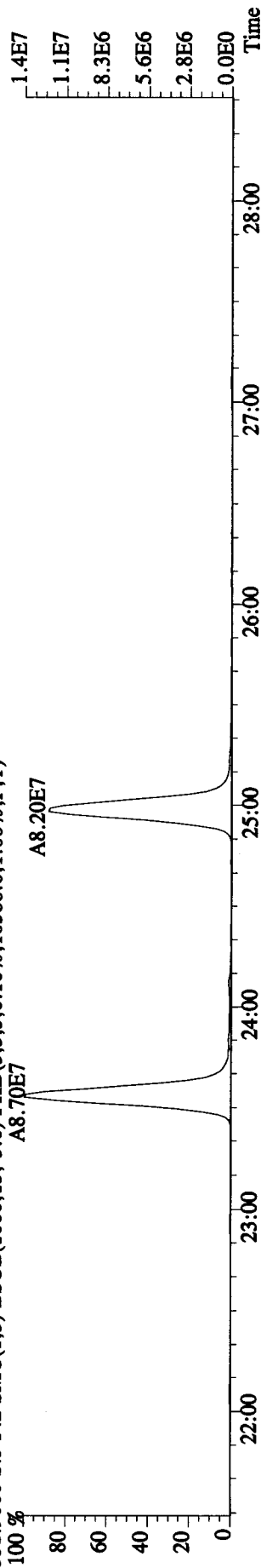
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5848.0,1.00%,F,T)



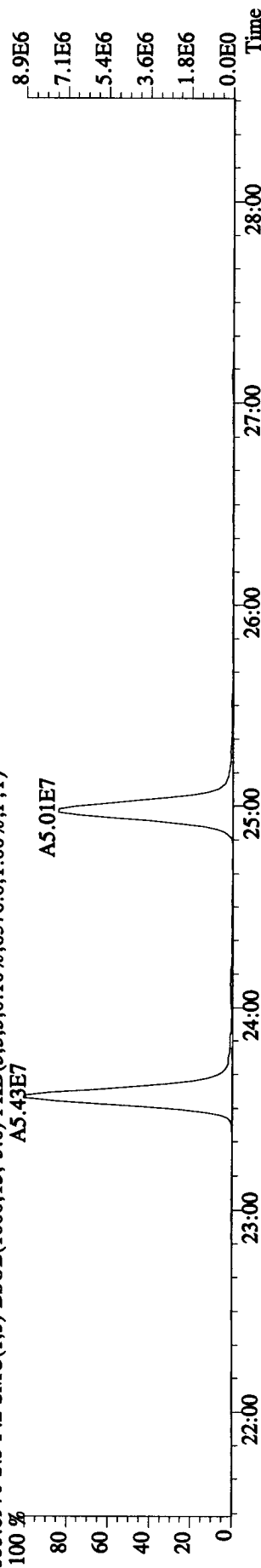
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8088.0,1.00%,F,T)



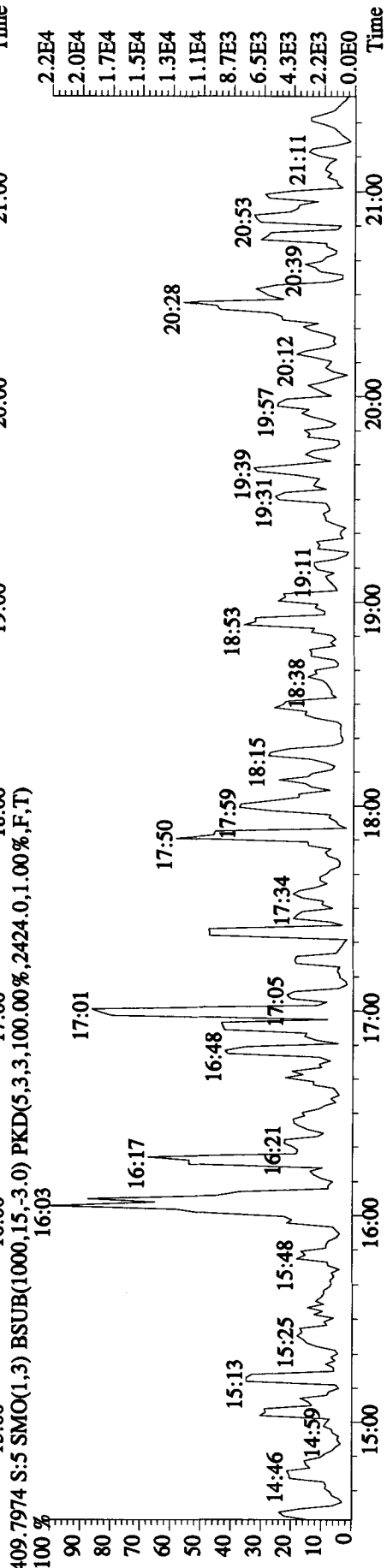
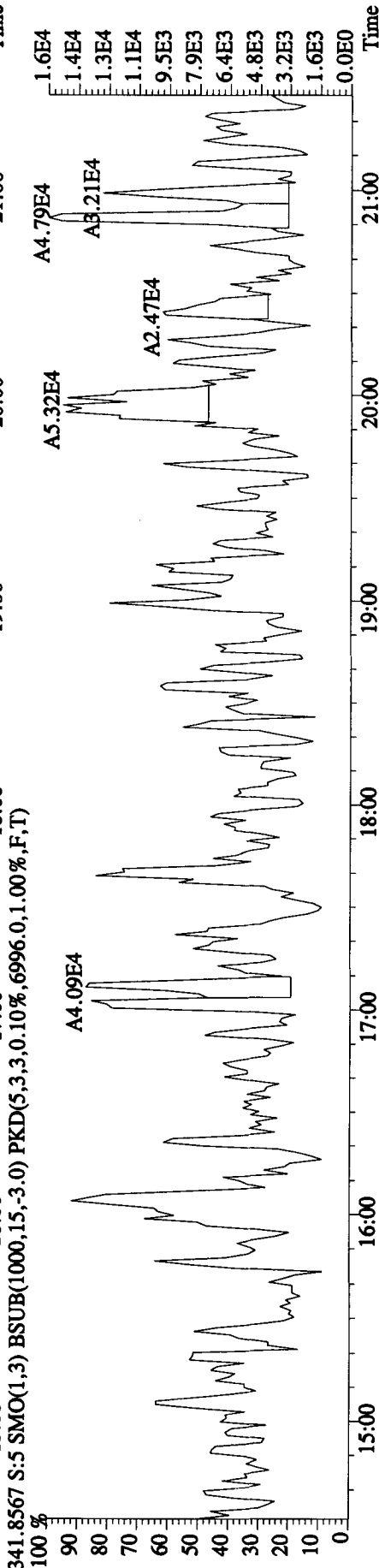
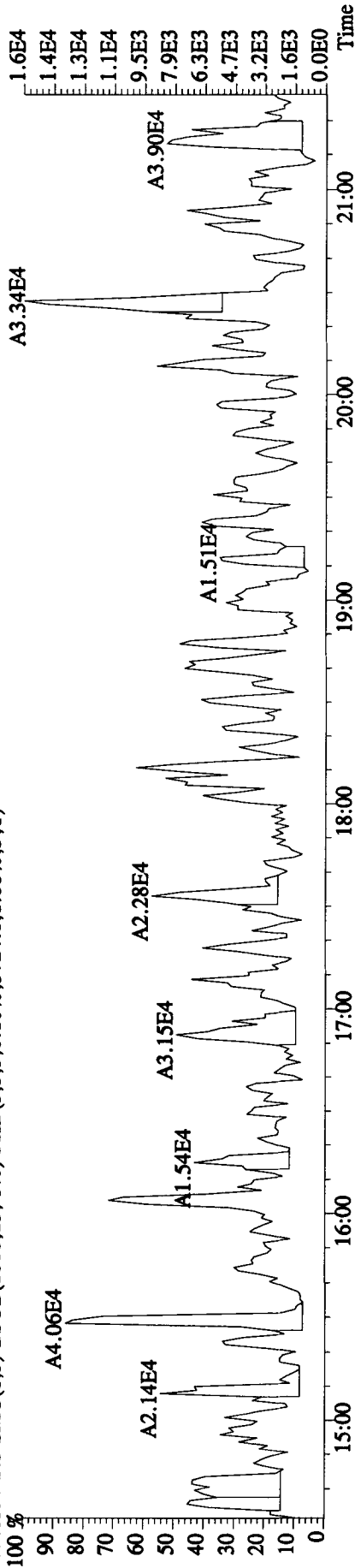
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10388.0,1.00%,F,T)



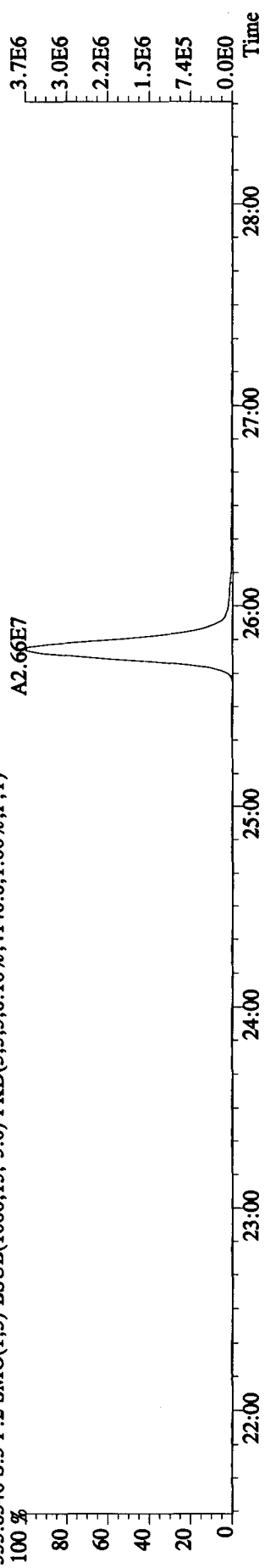
353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8376.0,1.00%,F,T)



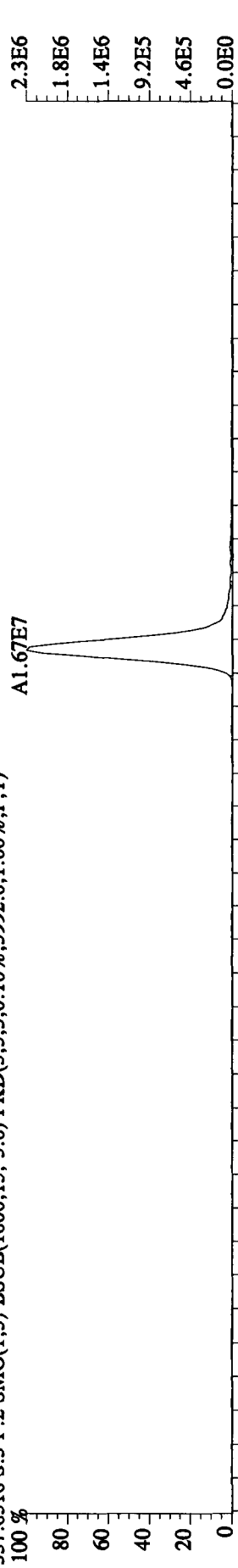
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 339.8597 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)



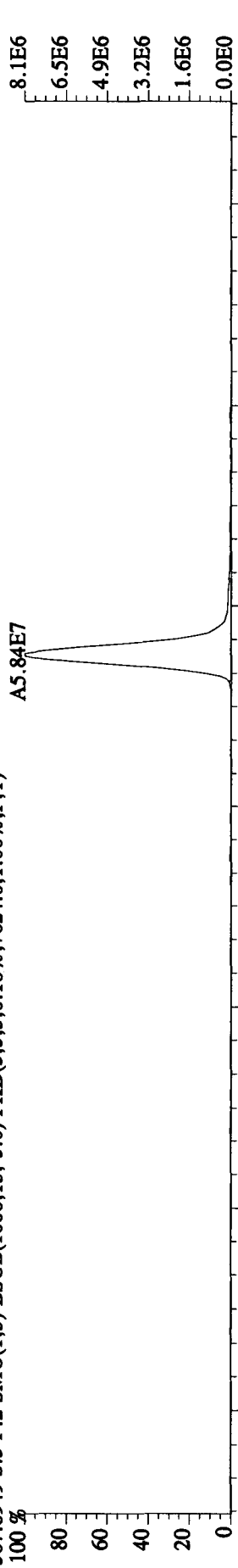
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4140.0,1.00%,F,T)



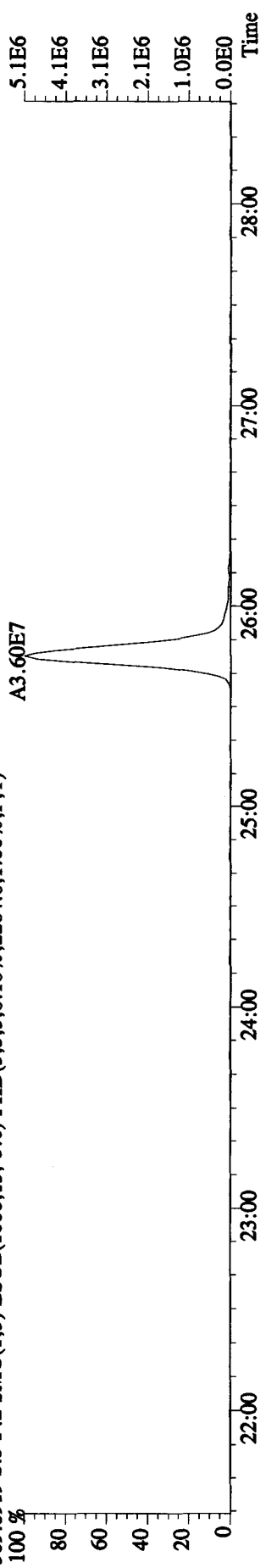
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3992.0,1.00%,F,T)



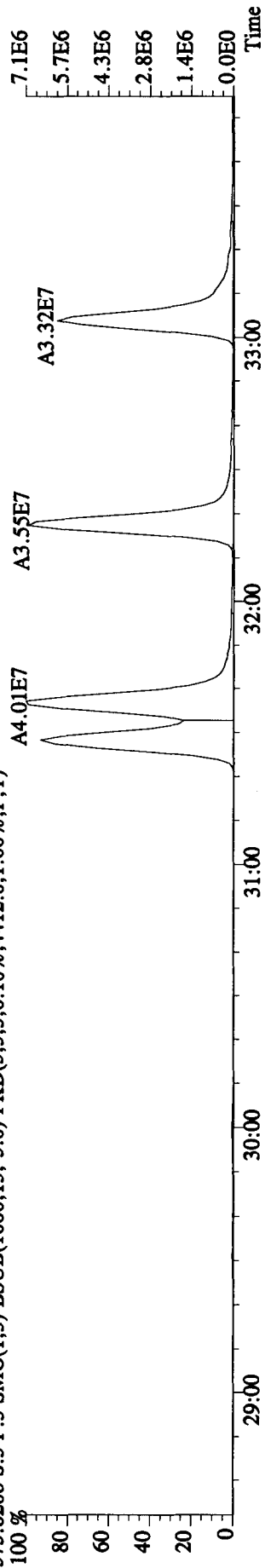
367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7624.0,1.00%,F,T)



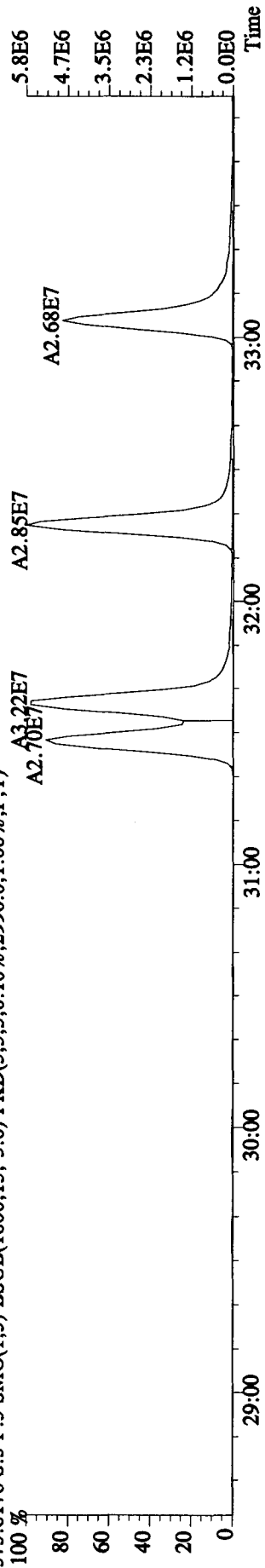
369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)



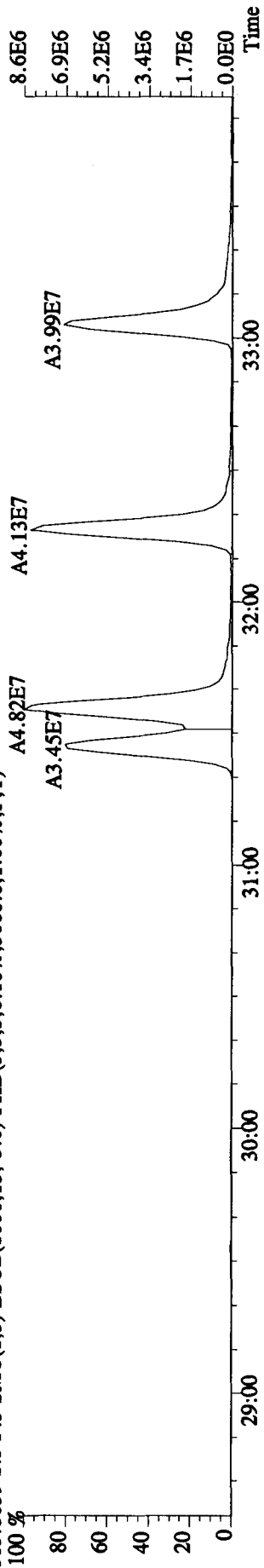
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4412.0,1.00%,F,T)



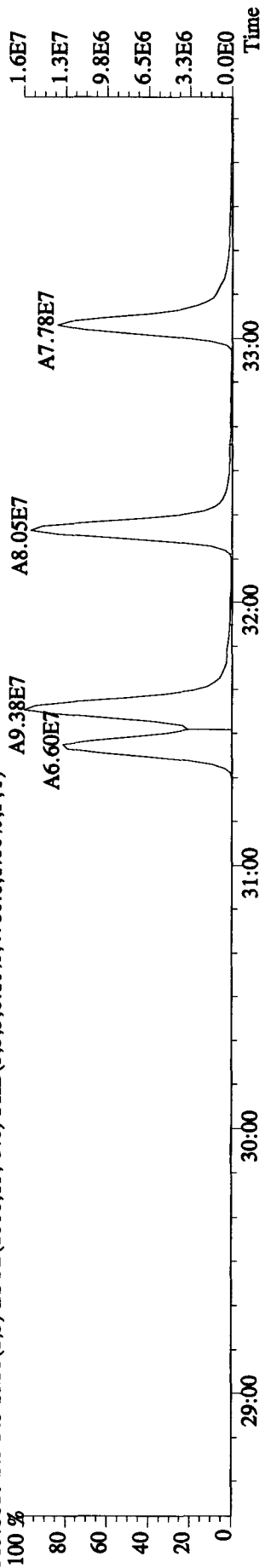
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2996.0,1.00%,F,T)



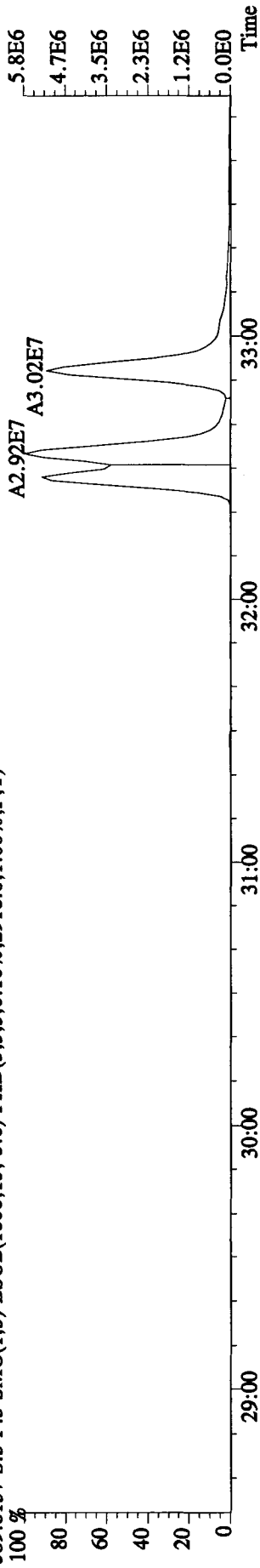
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3068.0,1.00%,F,T)



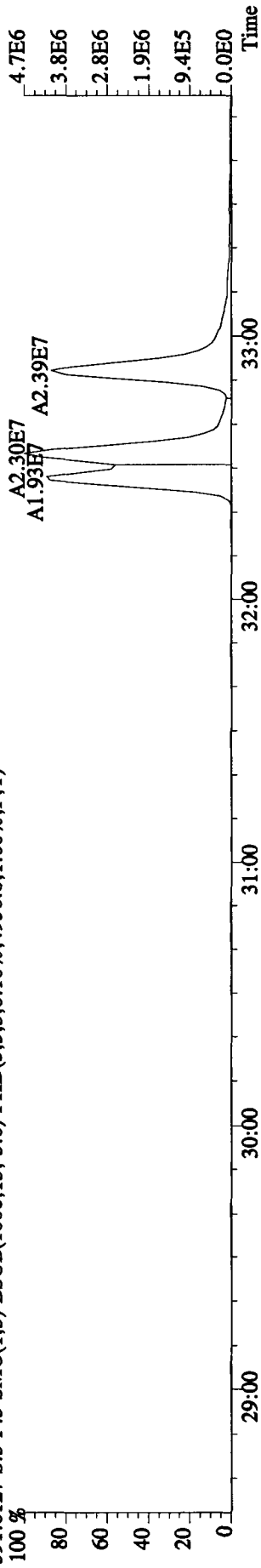
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4780.0,1.00%,F,T)



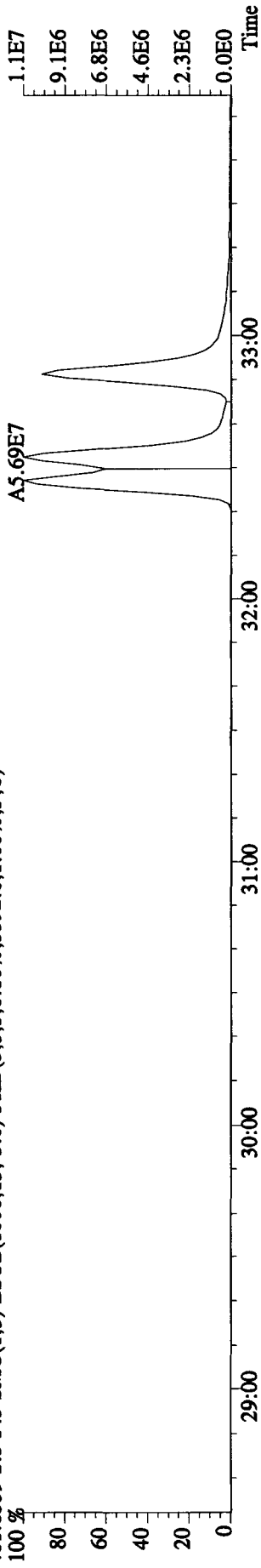
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 389.8157 S:5 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,2916.0,1.00%,F,T)



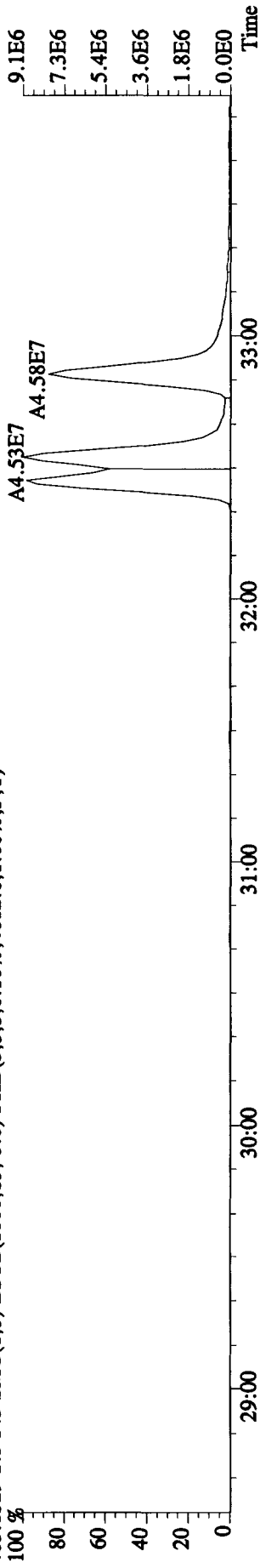
391.8127 S:5 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,4956.0,1.00%,F,T)



401.8559 S:5 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,3592.0,1.00%,F,T)



403.8529 S:5 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,4012.0,1.00%,F,T)

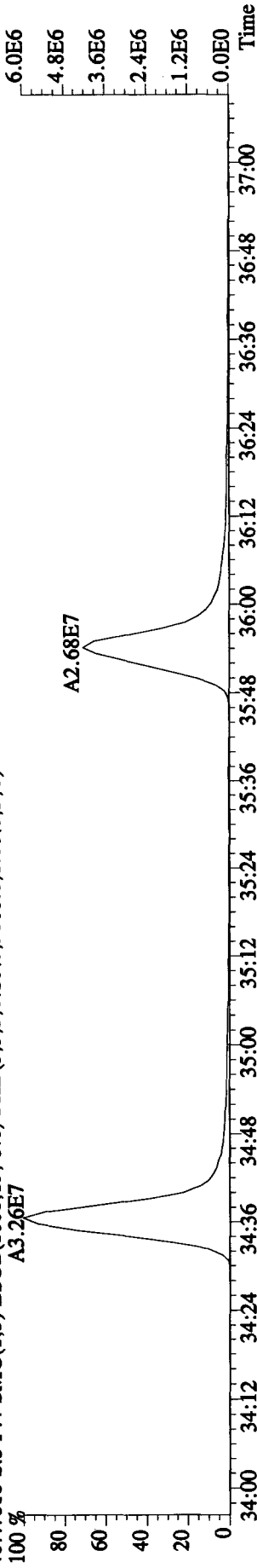




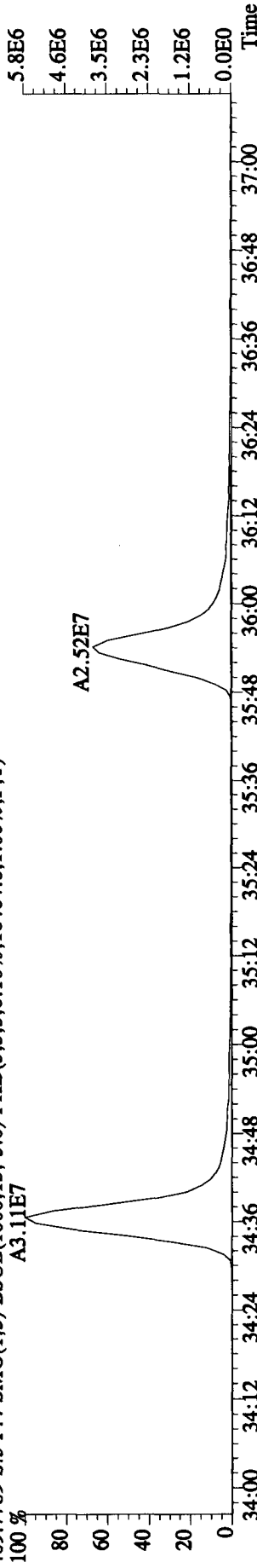
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE

Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN

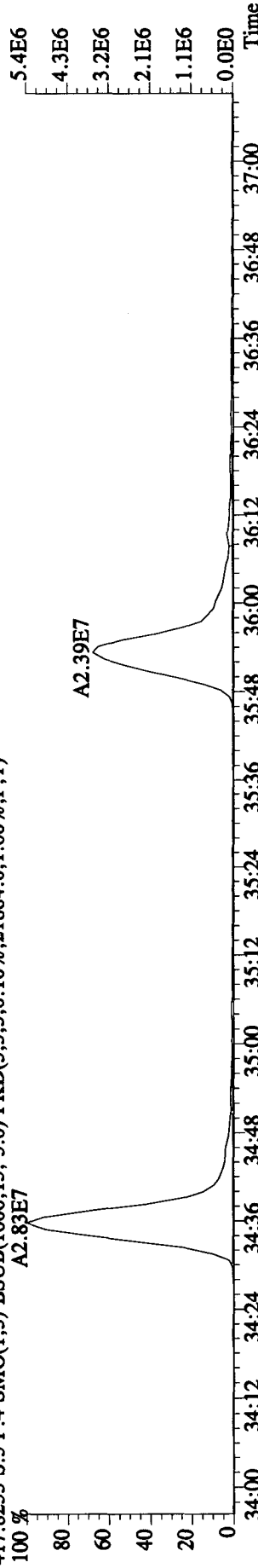
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9868.0,1.00%,F,T)



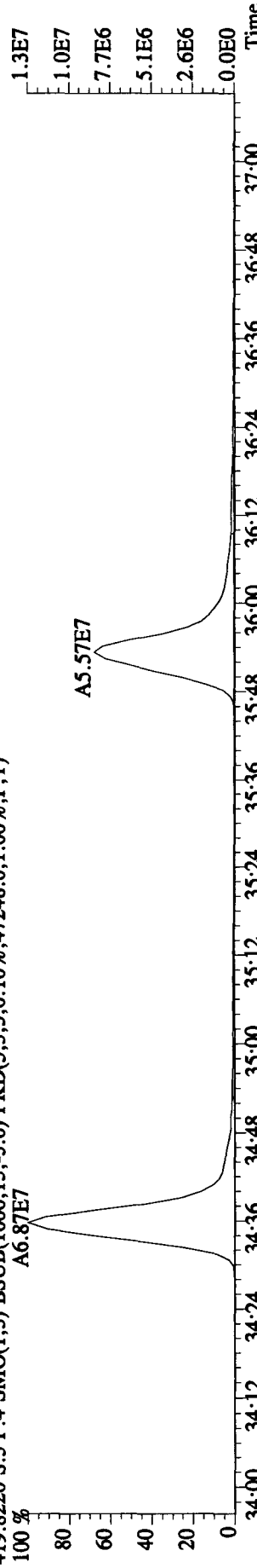
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16464.0,1.00%,F,T)



417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21884.0,1.00%,F,T)



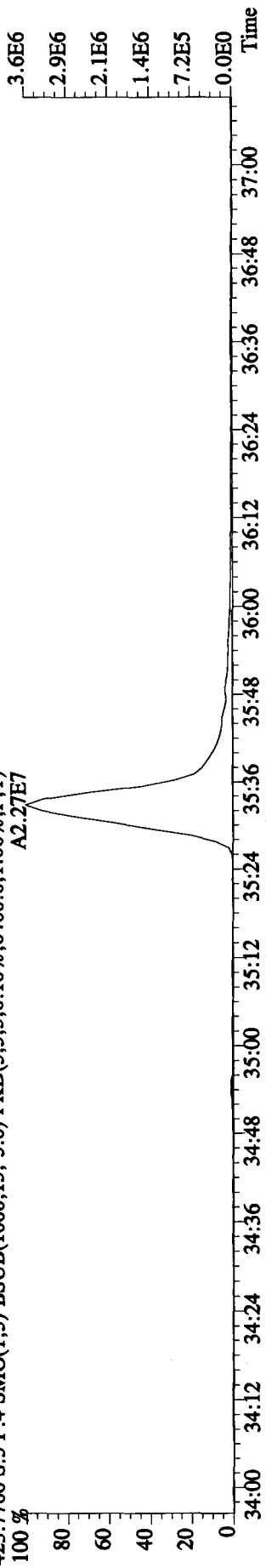
419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,47248.0,1.00%,F,T)



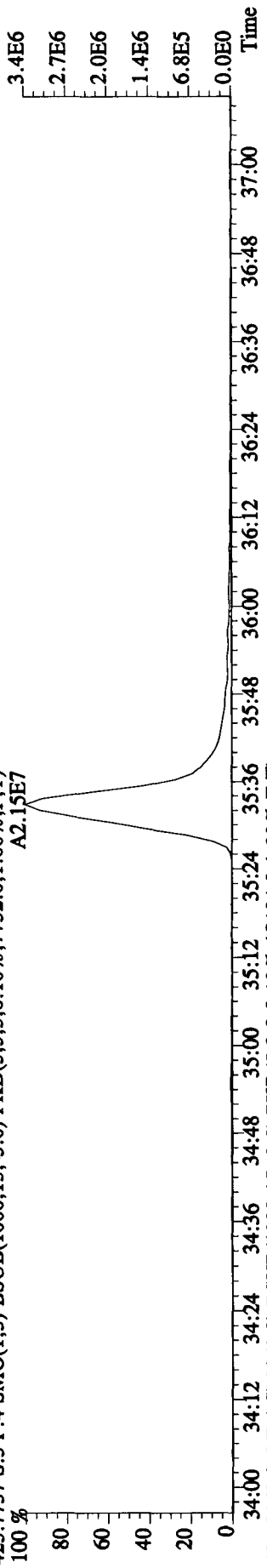
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE

Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN

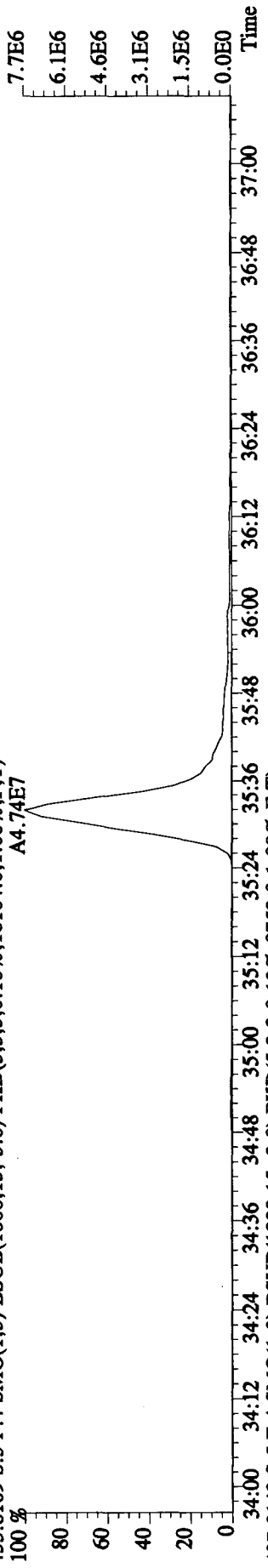
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T)  
A2.27E7



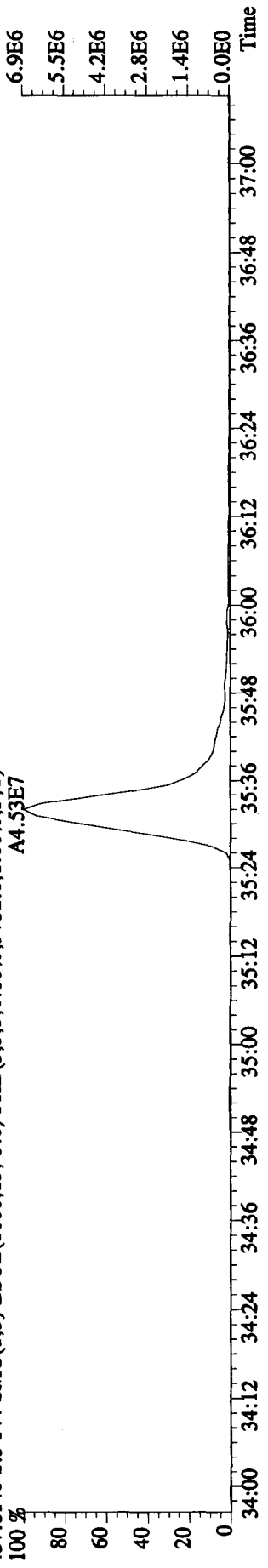
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7732.0,1.00%,F,T)  
A2.15E7



435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,18104.0,1.00%,F,T)  
A4.74E7



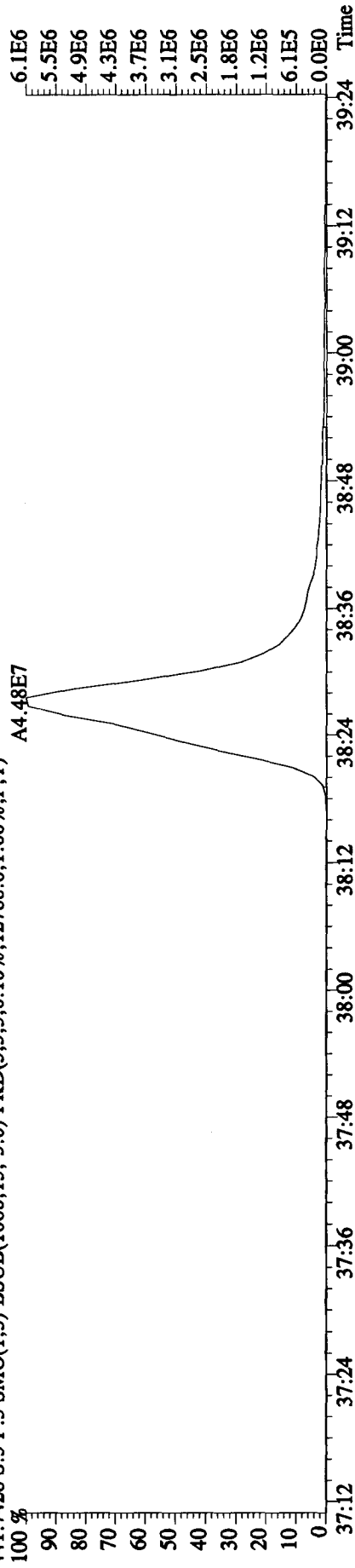
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9752.0,1.00%,F,T)  
A4.53E7



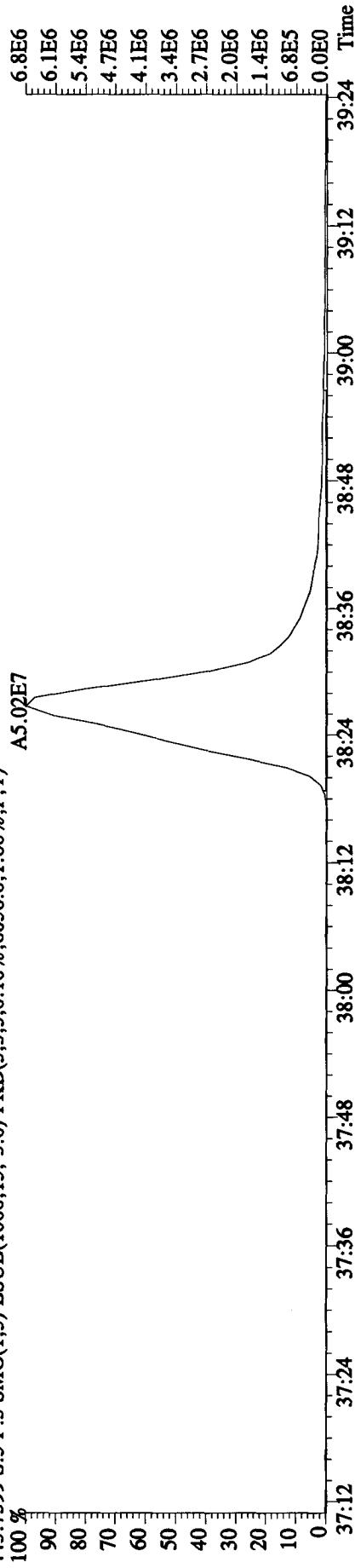
File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE

Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN

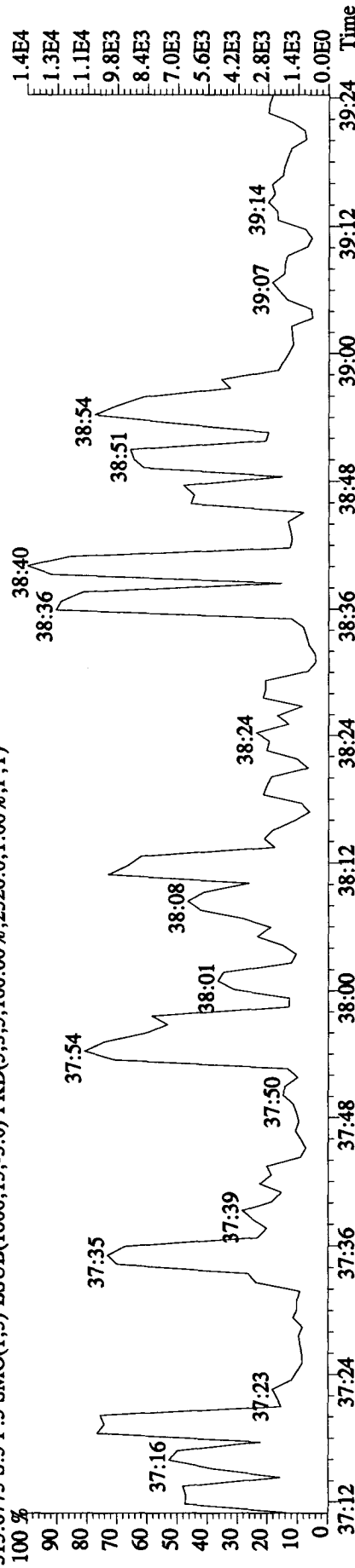
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12788.0,1.00%,F,T)



443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6036.0,1.00%,F,T)



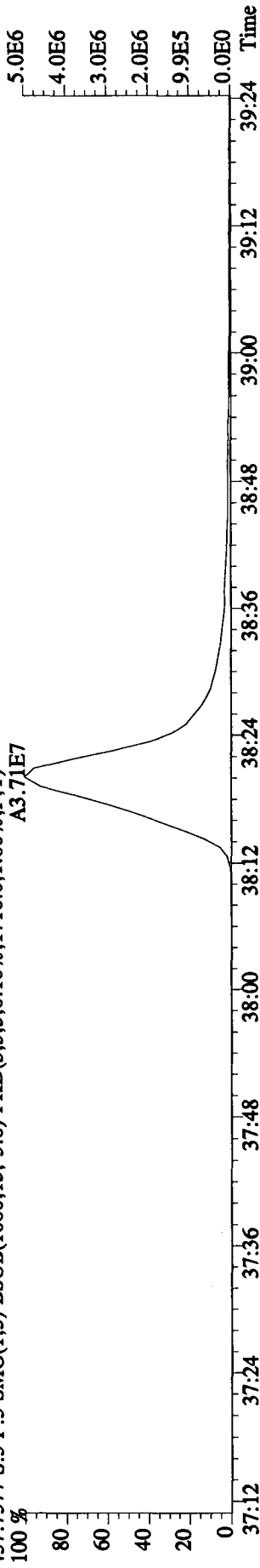
513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2320.0,1.00%,F,T)



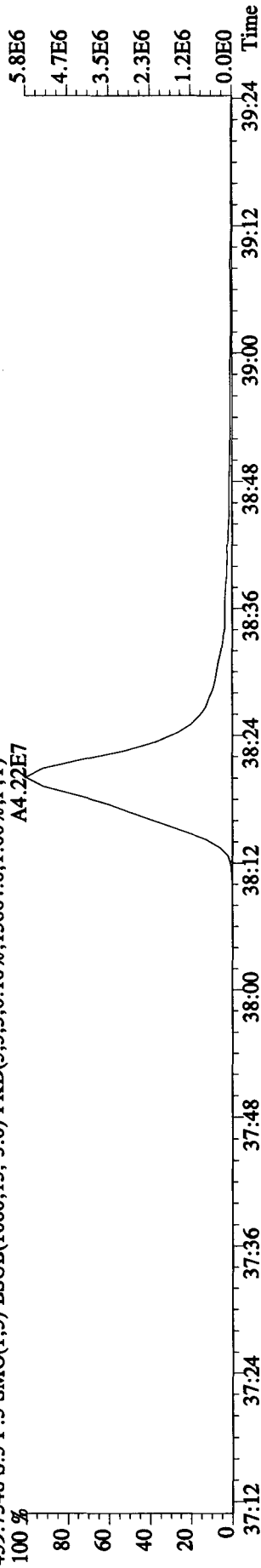
File:04JA10AID5 #1-161 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE

Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN

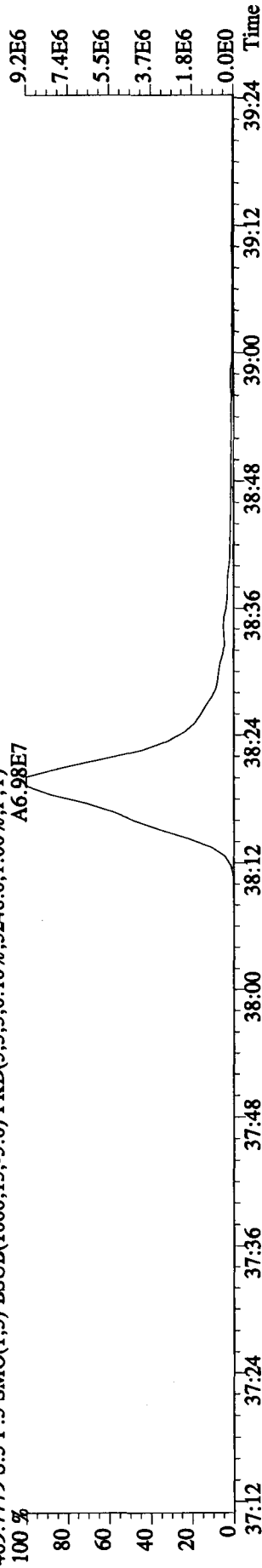
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1716.0,1.00%,F,T)  
A3.71E7



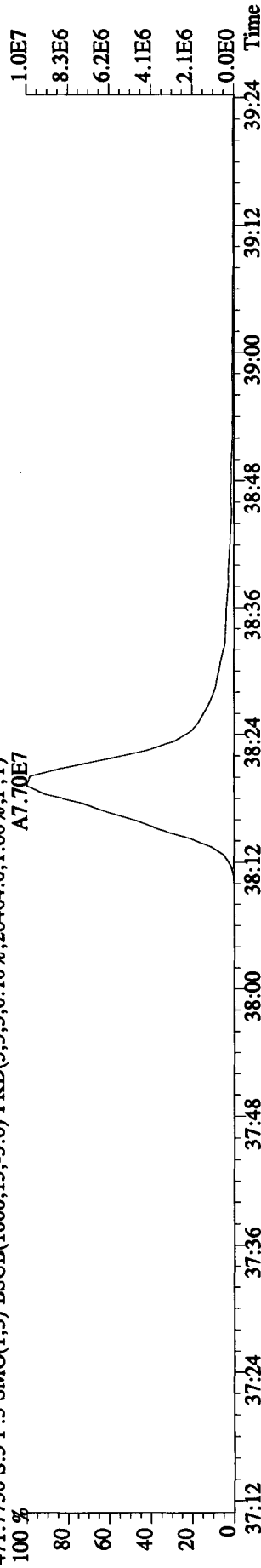
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15864.0,1.00%,F,T)  
A4.22E7



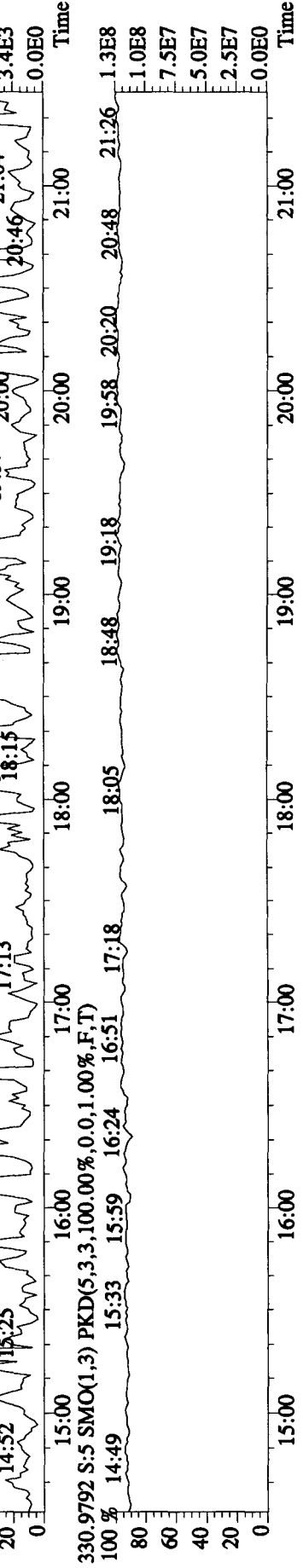
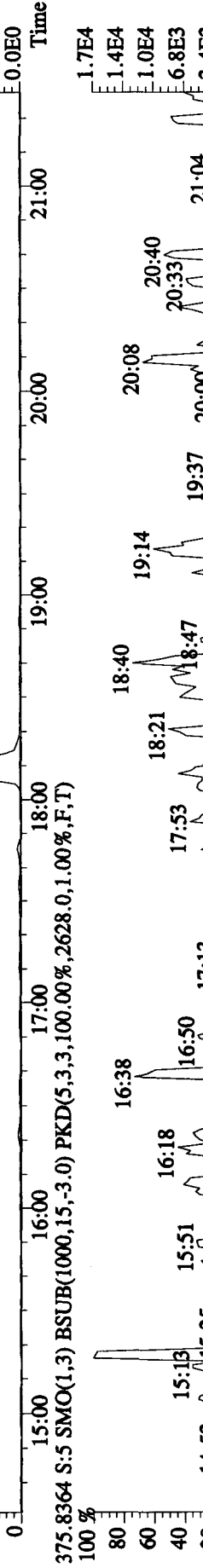
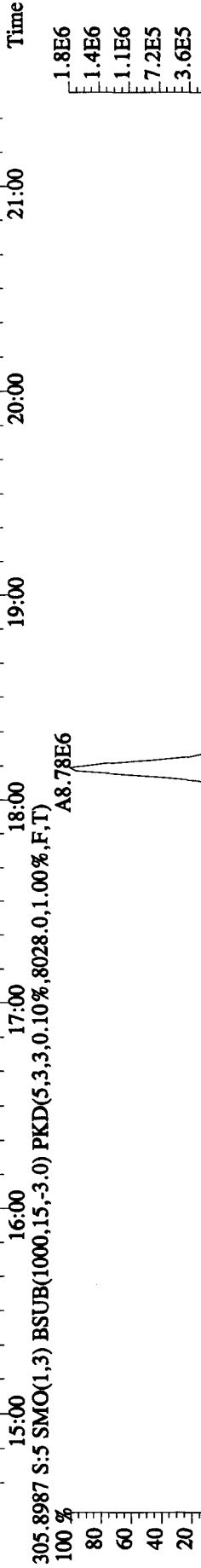
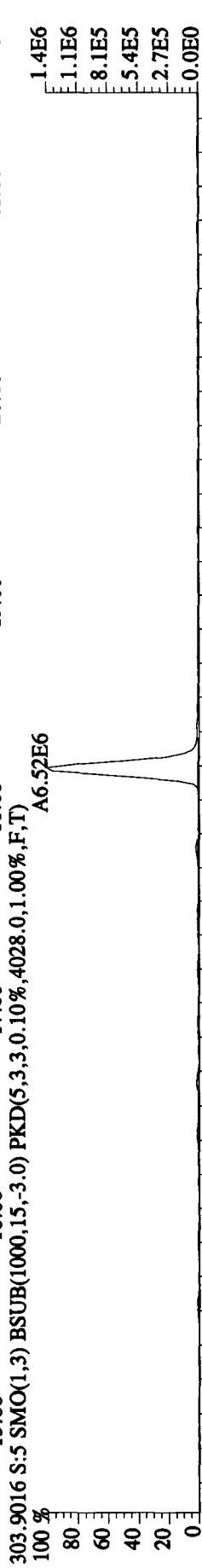
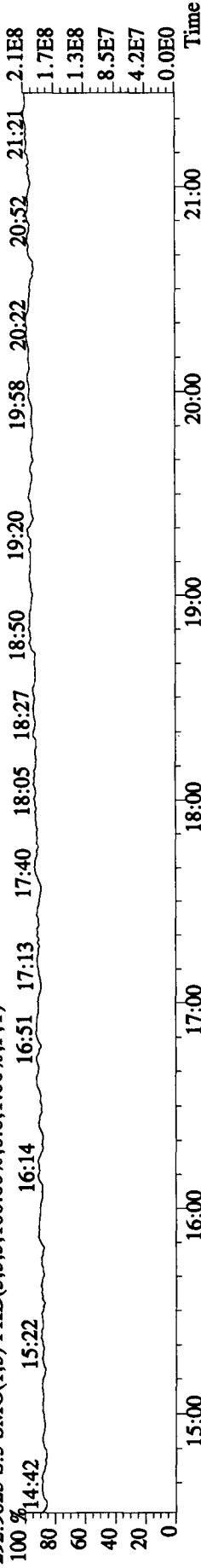
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5248.0,1.00%,F,T)  
A6.98E7



471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20464.0,1.00%,F,T)  
A7.70E7

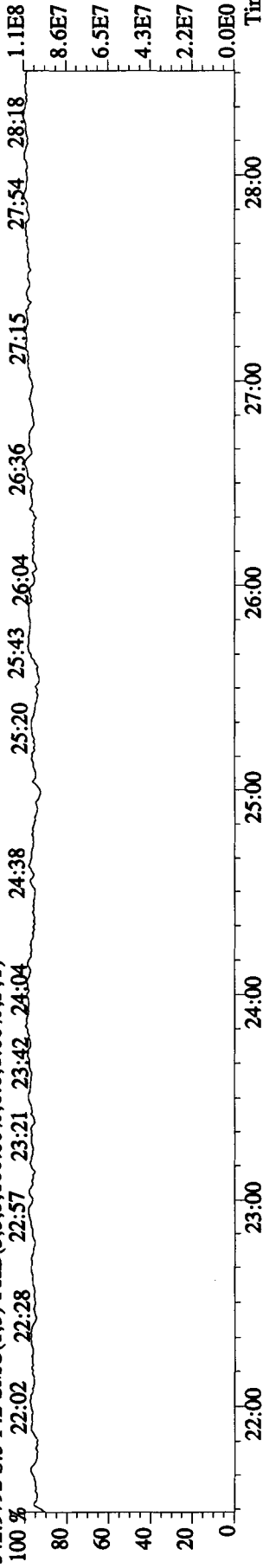


File:04JA10AID5 #1-411 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 292.9825 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

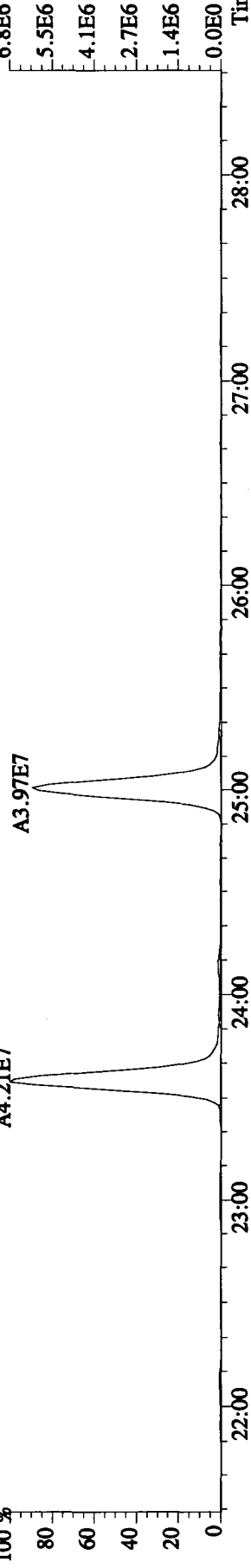


File: 04JA10A1D5 #1-495 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text: LRNEV-1-AC :G9L280000-386C Exp: DIOXIN

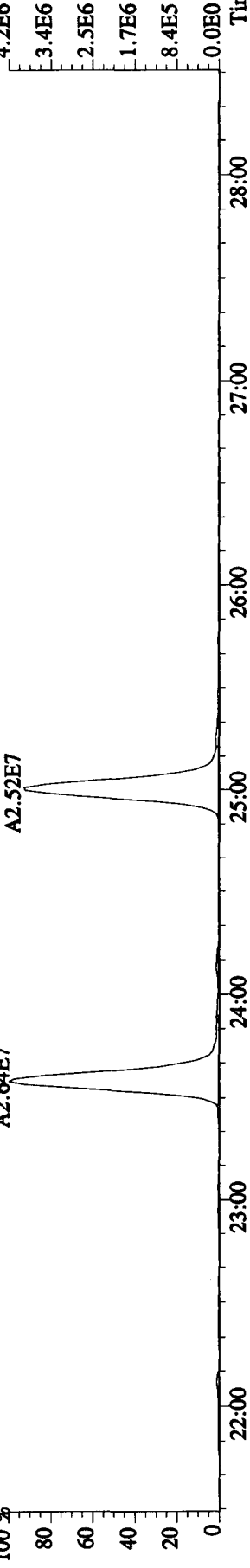
342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



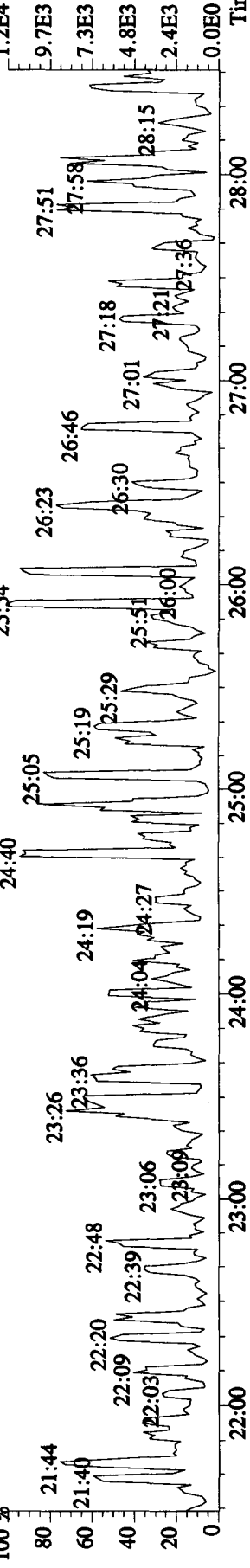
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5848.0,1.00%,F,T)



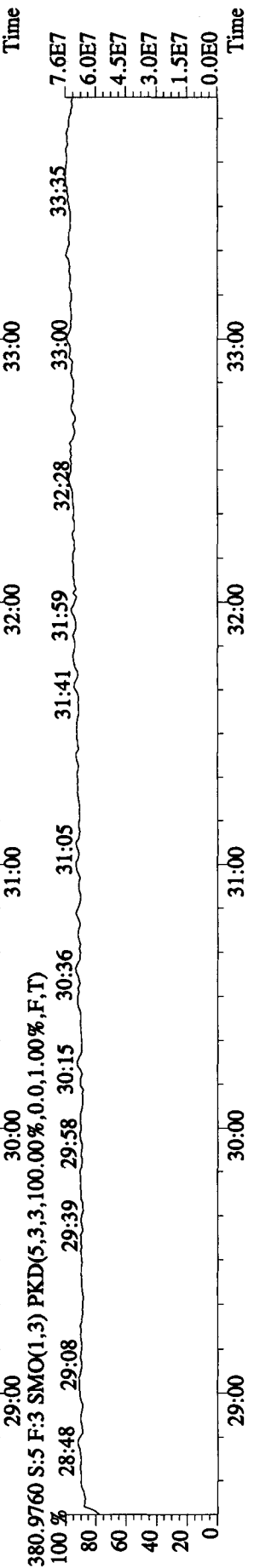
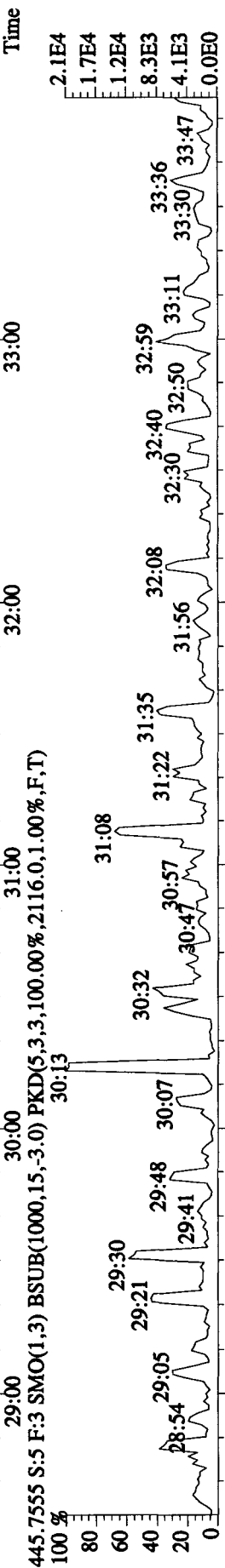
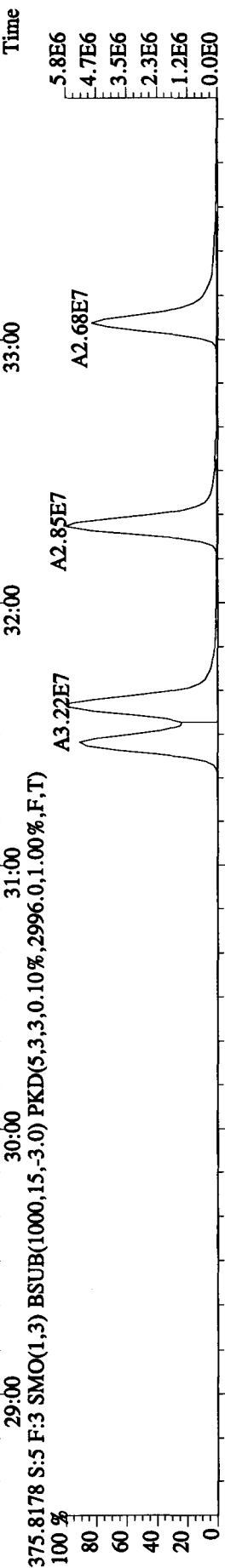
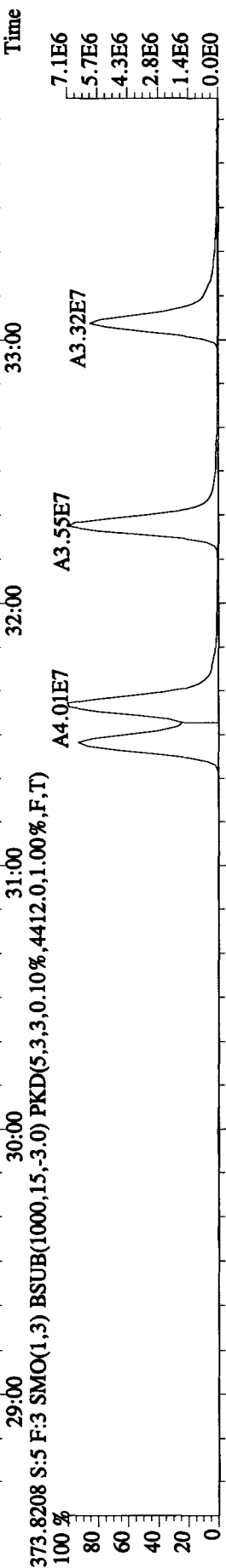
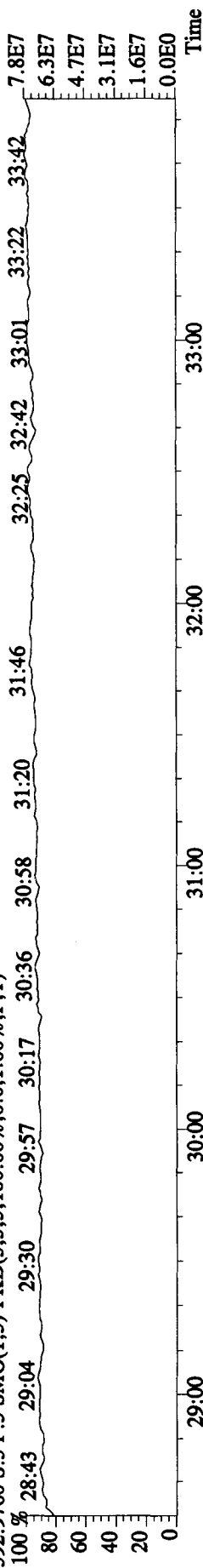
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8088.0,1.00%,F,T)



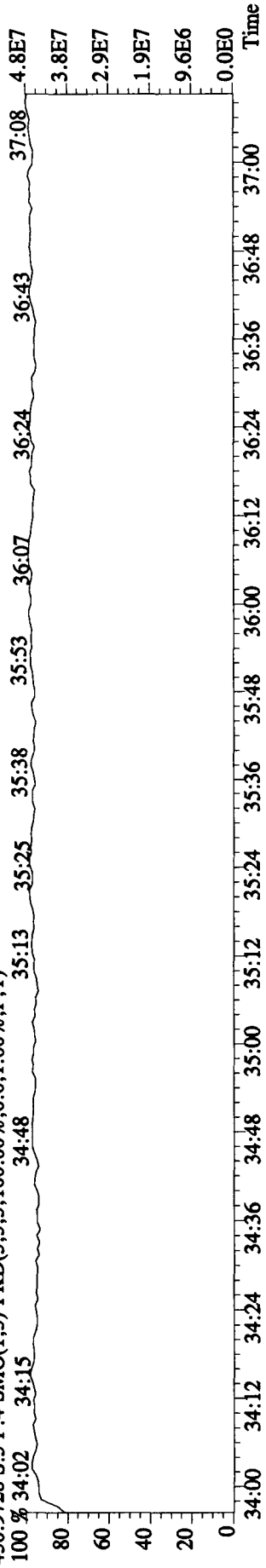
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2124.0,1.00%,F,T)



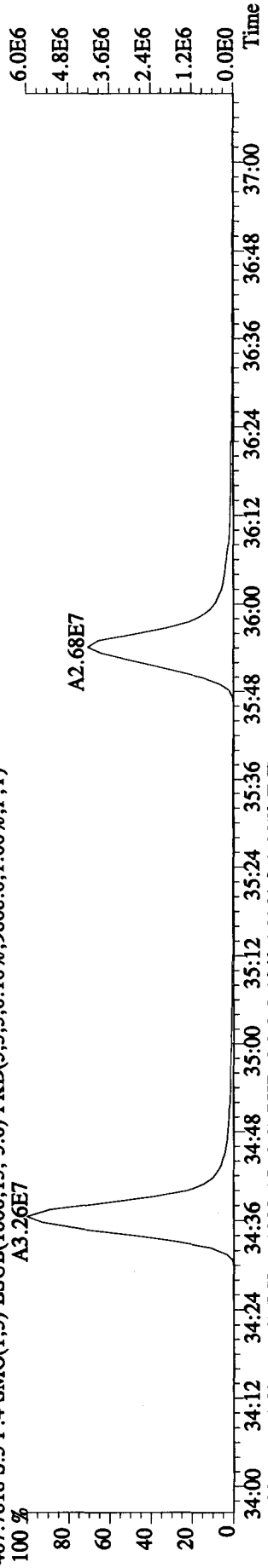
File: 04JA10A1D5 #1-362 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text: LRNEV-1-AC :G9L280000-386C Exp: DIOXIN  
 392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,0.100%,0.0,1.00%,F,T)  
 100 % 28:43 29:04 29:30 29:57 30:17 30:36 30:58 31:20 31:46 32:25 32:42 33:01 33:22 33:42



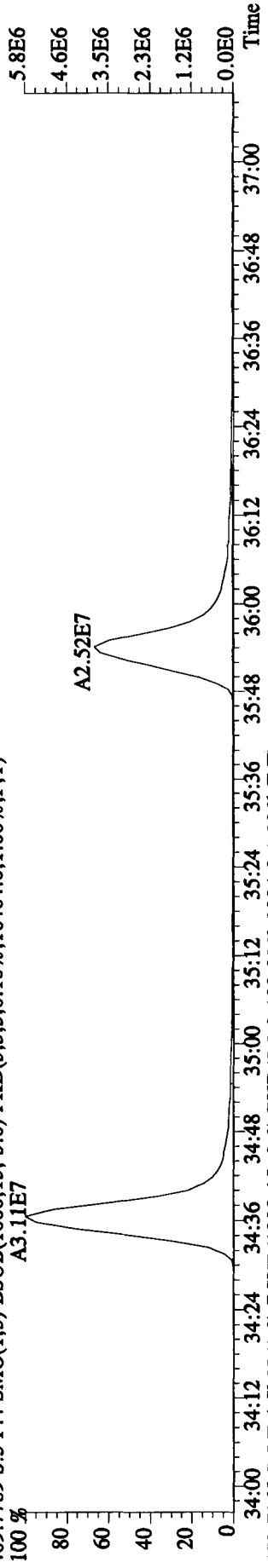
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 34:02 34:15 34:48 35:13 35:25 35:38 35:53 36:07 36:24 36:43 37:08 4.8E7



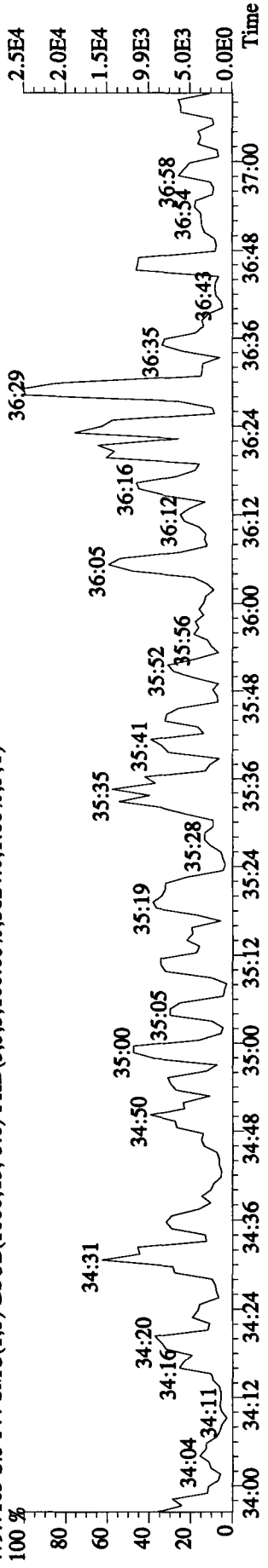
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9868.0,1.00%,F,T)  
 100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 6.0E6



409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,16464.0,1.00%,F,T)  
 100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 5.8E6

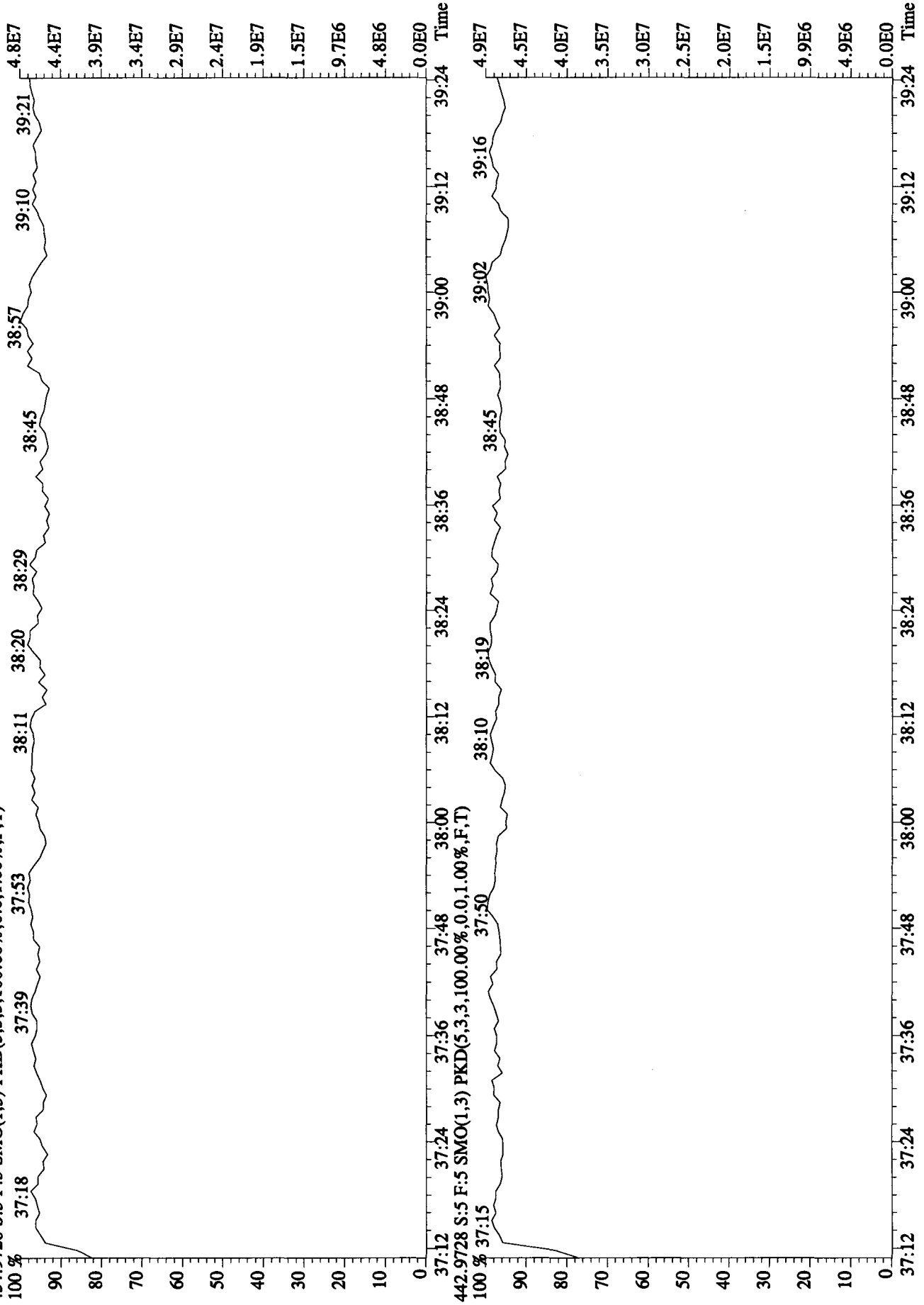


479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3824.0,1.00%,F,T)  
 100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 2.5E4





File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 17:10:00 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:LRNEV-1-AC :G9L280000-386C Exp:DIOXIN  
 454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



**Quantify Sample Summary Report**      **MassLynx 4.1**

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

Last Altered: Wednesday, January 06, 2010 09:10:25 Pacific Standard Time  
 Printed: Wednesday, January 06, 2010 09:12:21 Pacific Standard Time

05  
01-06-10

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45  
 Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23  
 Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1, Task: *pt 18/10*

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	10.190	18.59	18.59	1.00000	278451.17	98.1354	100.0	0.30787	0.80	NO	
2													
3	13C-2,3,7,8-TCDF	315.9419	10.190	18.03	17.98	1.55387	502464.38	113.9636	58.1	0.23210	0.77	NO	
4	2,3,7,8-TCDF	303.9016	10.190	18.06	18.04	1.00894	1952909.06	756.0774	<i>Set</i>	0.79057	0.76	NO	
5	Total TCDFs	303.9016	10.190	21.44	21.44	1.00894	4354.7775	4340.9179	<i>Set</i>	<del>0.79057</del>			
6													
7	13C-2,3,7,8-TCDD	331.9368	10.190	18.78	18.79	0.93654	306726.16	115.4256	58.8	0.32873	0.80	NO	
8	2,3,7,8-TCDD	319.8965	10.190	18.80	18.80	1.13162	26167.33	14.7967		0.34076	0.83	NO	
9	Total TCDDs	319.8965	10.190	19.55	19.55	1.13162	402.2020	400.6442		<del>0.34076</del>			
10													
11	37CL-2,3,7,8-TCDD	327.8847	10.190	18.80	18.80	1.13700	176148.88	54.6003	69.5	0.28106			
12													
13	13C-1,2,3,7,8-PeCDF	351.9000	10.190	23.41	23.39	1.21534	386691.02	112.1354	57.1	0.45509	1.62	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.190	23.44	23.43	1.03079	1295770.47	638.0428		1.05839	1.49	NO	
15	2,3,4,7,8-PeCDF	339.8597	10.190	24.87	24.84	0.96399	634396.36	334.0259		1.13173	1.47	NO	
16	Total F2 PeCDFs	339.8597	10.190	34.47	34.47	0.99739	5221.1318	5221.1318		<del>1.00984</del>			
17	Total F1 PeCDFs	339.8597	10.190	36.56	36.56	0.99739	403.9480	403.0480		0.41257			
18													
19	13C-1,2,3,7,8-PeCDD	367.8949	10.190	25.63	25.57	0.74736	239968.96	113.1622	57.7	0.60644	1.58	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.190	25.66	25.65	1.05672	51329.71	39.7293		1.21667	1.62	NO	
21	Total PeCDDs	355.8546	10.190	31.10	31.10	1.05672	460.1340	454.7891		<del>1.21667</del>			
22													
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.190	32.66	32.61	1.00000	257455.70	98.1354	100.0	0.44154	1.27	NO	
24													
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.190	31.32	31.32	0.91641	282363.84	117.4475	59.8	1.02237	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.190	31.33	31.32	1.24280	2318535.75	1296.7624		1.06401	1.25	NO	06-Jan-10
27	1,2,3,6,7,8-HxCDF	373.8208	10.190	31.48	31.46	1.49624	1780460.69	827.1360		0.88378	1.28	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	10.190	32.13	32.13	1.31114	430518.45	228.2388		1.00855	1.25	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.190	32.84	32.86	1.29097	232217.01	125.0331		1.02430	1.22	NO	
30	Total HxCDFs	373.8208	10.190	0.00	0.00	1.33529	6066.5047	6066.5047		0.99031			
31													

Quantify Sample Summary Report

MassLynx 4.1

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

Last Altered: Wednesday, January 06, 2010 09:10:25 Pacific Standard Time  
 Printed: Wednesday, January 06, 2010 09:12:21 Pacific Standard Time

*LRH181K*

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1, Task:

Name	Mass	Sample Size	RT	FWHM	Area	Area %	EMPC	Area	EMPC	Ratio	Ratio %	Mod Date
32 13C-1,2,3,6,7,8-HxCDD	401.8559	10.190	32.36	32.38	0.80919	274813.70	129.4527	66.0	0.54565	1.26	NO	
33 1,2,3,4,7,8-HxCDD	389.8157	10.190	32.28	32.27	0.93261	28533.58	21.8512	1	0.61027	1.33	NO	06-Jan-10
34 1,2,3,6,7,8-HxCDD	389.8157	10.190	32.38	32.37	1.18024	80956.96	48.9894	1	0.48222	1.32	NO	06-Jan-10
35 1,2,3,7,8,9-HxCDD	389.8157	10.190	32.66	32.65	1.28282	79305.06	44.1522	1	0.44366	1.31	NO	
36 Total HxCDDs	389.8157	10.190		0.00	1.13189		340.2876		<del>0.50282</del>			
37 13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.190	34.19	34.20	0.81080	258246.15	121.4065	61.9	1.65297	0.44	NO	
38 1,2,3,4,6,7,8-HpCDF	407.7818	10.190	34.20	34.20	1.36387	5777289.25	3219.3753	6	1.37247	1.03	NO	
39 1,2,3,4,7,8-HpCDF	407.7818	10.190	35.31	35.32	1.11483	2185903.88	1490.1942	6	1.67906	1.03	NO	
40 1,2,3,4,7,8,9-HpCDF	407.7818	10.190	0.00	0.00	1.23935		6592.6838		<del>1.51036</del>			
41 Total HpCDFs	407.7818	10.190										
42 13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.190	34.99	35.02	0.70743	228068.22	122.8866	62.6	1.37167	1.04	NO	
43 1,2,3,4,6,7,8-HpCDD	423.7766	10.190	35.00	34.99	1.04312	263966.84	217.7750	1	0.59473	1.03	NO	
44 Total HpCDDs	423.7766	10.190		0.02	1.04312		343.4055		<del>0.59473</del>			
45 13C-OCDD	469.7779	10.190	37.45	37.47	0.51880	343876.88	252.6561	64.4	1.57608	0.90	NO	
46 OCDF	441.7428	10.190	37.55	37.57	1.40213	12456963.00	10141.6318	6	2.36758	0.88	NO	
47 OCDD	457.7377	10.190	37.46	37.46	1.19691	320256.31	305.4363	1	0.94940	0.90	NO	
48 Function 1 PFK	330.97920	1.000		14.26								
49 Function 2 PFK	342.97920	1.000	22.50	22.48	16743...	697.88	0.0417	4.2	0.23738			
50 Function 3 PFK	380.97600	1.000	29.31	29.28	7909.2...	6660.23	0.8421	84.2	2.15365			
51 Function 4 PFK	430.97290	1.000		34.81	14980...				0.00000			
52 Function 5 PFK	442.97280	1.000	39.35	39.31	3947.9...	2857.79	0.7239	72.4	1.67687			
53 TCDF PCDFE	375.8364	1.000	14.99	15.01	30.012...	1.70	0.0567	5.7	1.78440			
54 F1 PeCDF PCDFE	409.79740	1.000	18.71	18.68	45.972...	23.72	0.5159	51.6	0.13632			
55 F2 PeCDF PCDFE	409.7974	1.000	22.09	22.10	17.774...	123.64	6.9563	695.6	1.80415			
56 HXCDF PCDFE	445.7555	1.000		33.02	18.611...				0.00000			
57 HPCDF PCDFE	479.7165	1.000	35.33	35.33	75.501...	46.50	0.6159	61.6	1.32137			
58 OCDF PCDFE	513.67750	1.000	37.56	37.54	85.061...	41.21	0.4845	48.4	0.09500			

Quantify Compound Report MassLynx 4.1

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

Last Altered: Wednesday, January 06, 2010 09:10:25 Pacific Standard Time

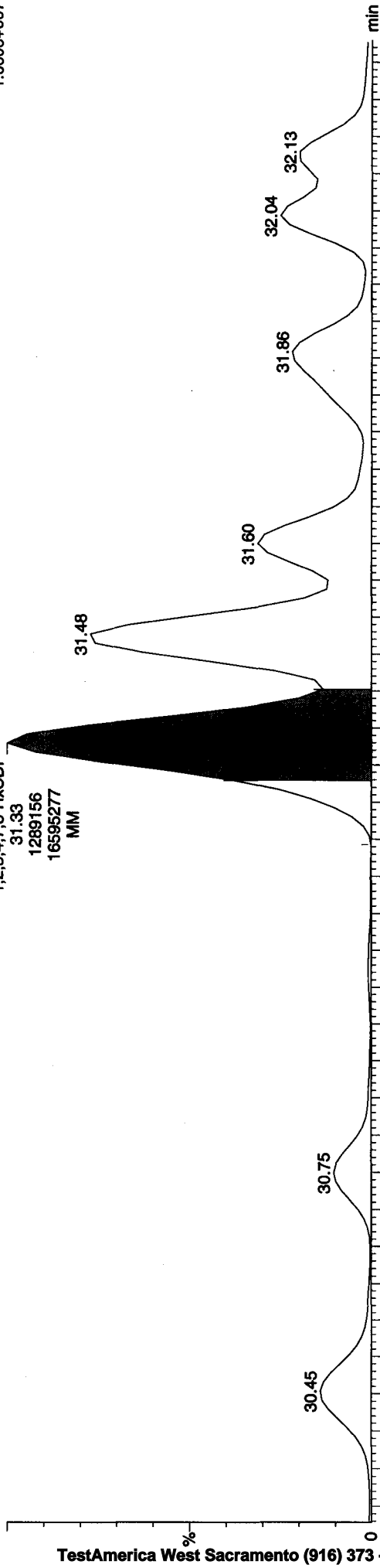
Printed: Wednesday, January 06, 2010 09:11:57 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Sample Name: 04JA10A3D5\_5

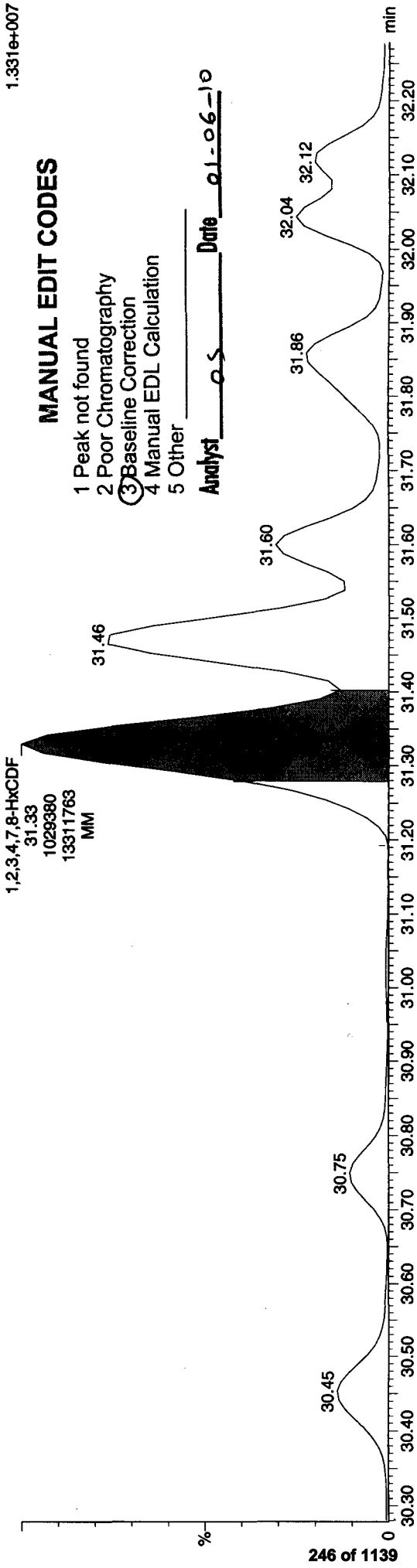
04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRLBH-1-AC

F3: Voltage SIR, EI+  
373.8208  
1.660e+007



04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRLBH-1-AC

F3: Voltage SIR, EI+  
375.8178  
1.331e+007



MANUAL EDIT CODES

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

Analyst OS Date 01-06-10

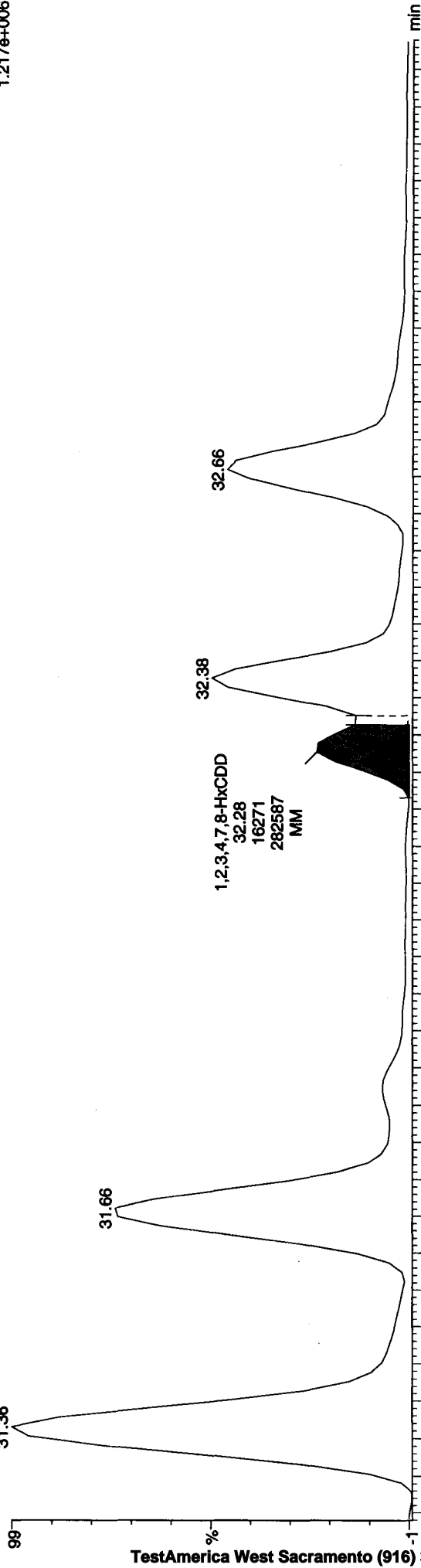
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Last Altered: Wednesday, January 06, 2010 09:10:25 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:11:57 Pacific Standard Time

Sample Name: 04JA10A3D5\_5

04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRL8H-1-AC

F3:Voltage SIR,EI+  
389.8157  
1.217e+006



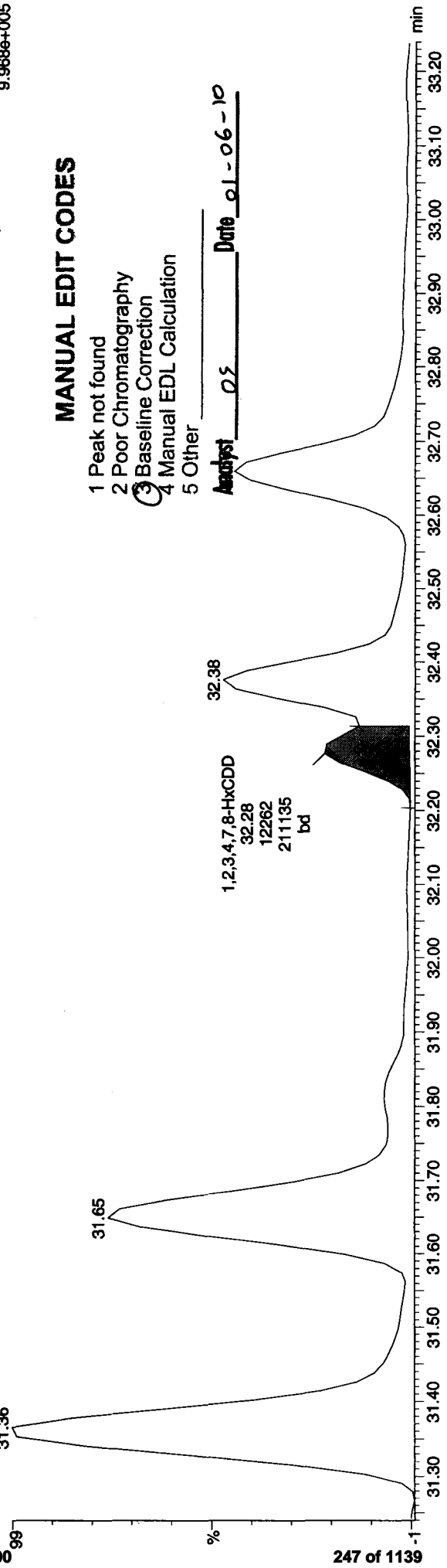
F3:Voltage SIR,EI+  
391.8127  
9.968e+005

04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRL8H-1-AC

MANUAL EDIT CODES

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

Analyst: DS Date: 01-06-10

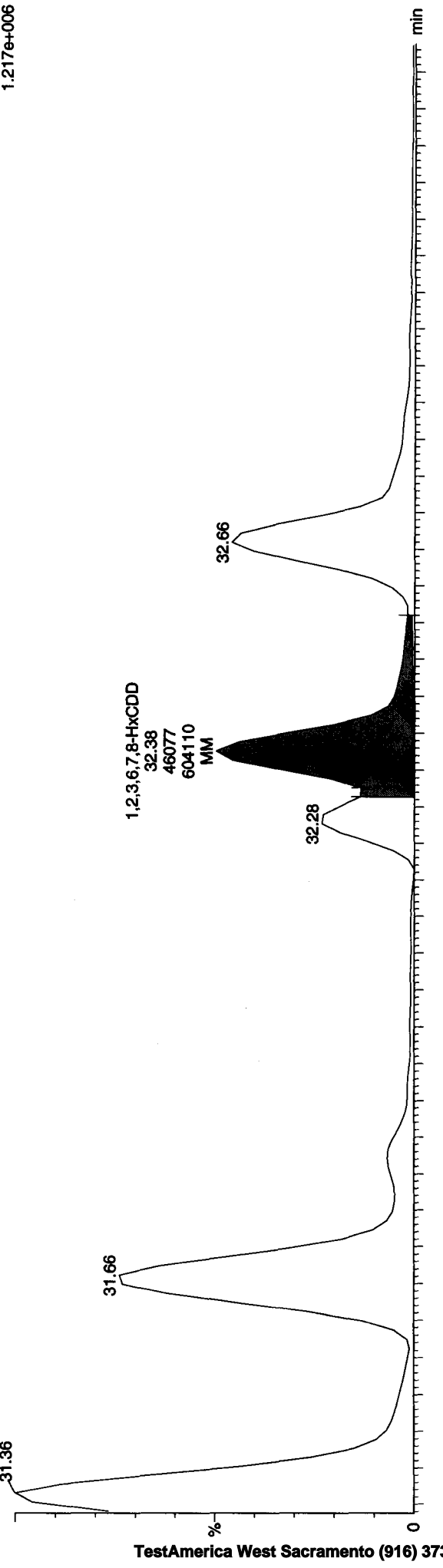


Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

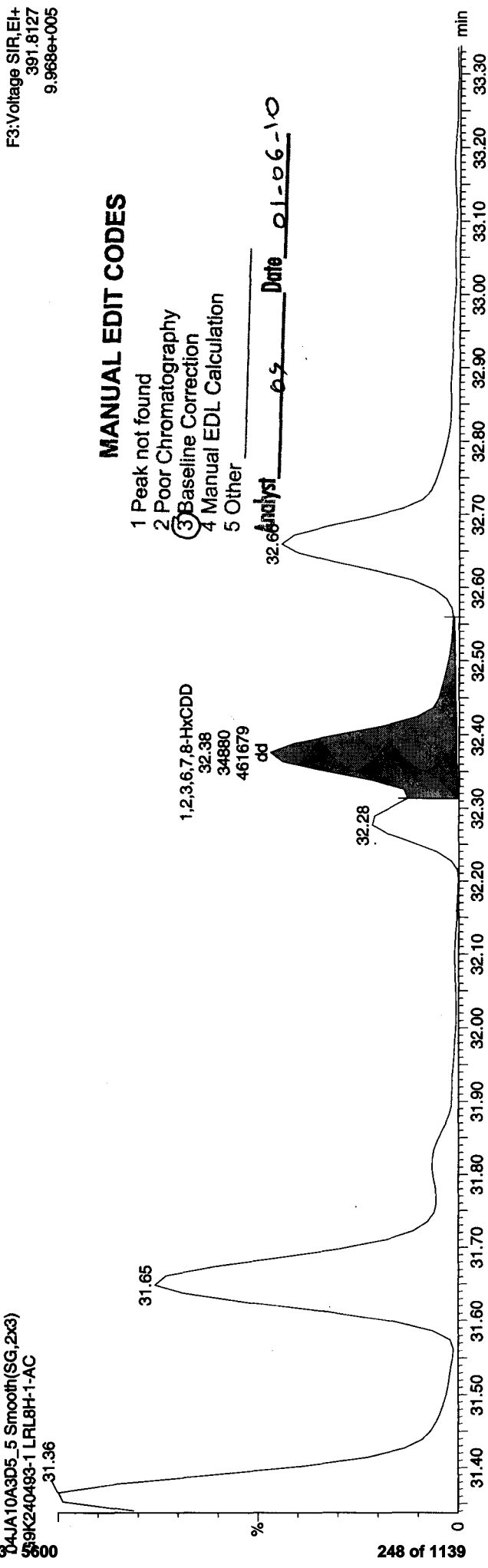
Last Altered: Wednesday, January 06, 2010 09:10:25 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:11:57 Pacific Standard Time

Sample Name: 04JA10A3D5\_5  
04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRLBH-1-AC

F3:Voltage SIR,EI+  
389.8157  
1.217e+006



F3:Voltage SIR,EI+  
391.8127  
9.968e+005



MANUAL EDIT CODES

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

Analyst: 05 Date: 01-06-10

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 12:38:35 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 12:40:41 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1, Task:

1	13C-1,2,3,4-TCDD	331.9368	10.190	18.59	18.59	1.000	278451.17	98.1354	98.1354	100.0	0.3079	0.799	0.770	NO
2														
3	13C-2,3,7,8-TCDF	315.9419	10.190	18.03	17.98	1.554	502464.38	113.9636	113.9636	58.1	0.2321	0.775	0.770	NO
4	2,3,7,8-TCDF	303.9016	10.190	18.06	18.04	1.009	1952909.06	756.0774	756.0774		0.7906	0.762	0.770	NO
5	Total TCDFs	303.9016	10.190	21.44	21.44	1.009	4354.7775	4340.9179	4340.9179		0.7906			
6	13C-2,3,7,8-TCDD	331.9368	10.190	18.79	18.79	0.937	306726.16	115.4256	115.4256	58.8	0.3287	0.797	0.770	NO
7	2,3,7,8-TCDD	319.8965	10.190	18.80	18.80	1.132	26167.33	14.7967	14.7967		0.3408	0.831	0.770	NO
8	Total TCDDs	319.8965	10.190	19.55	19.55	1.132	402.2020	400.6442	400.6442		0.3408			
9	37CL-2,3,7,8-TCDD	327.8847	10.190	18.80	18.80	1.137	176148.88	54.6003	54.6003	69.5	0.2811			
10														
11	13C-1,2,3,7,8-PeCDF	351.9000	10.190	23.41	23.39	1.215	386691.02	112.1354	112.1354	57.1	0.4551	1.618	1.550	NO
12	1,2,3,7,8-PeCDF	339.8597	10.190	23.44	23.43	1.031	1295770.47	638.0428	638.0428		1.0584	1.495	1.550	NO
13	2,3,4,7,8-PeCDF	339.8597	10.190	24.87	24.84	0.964	634396.36	334.0259	334.0259		1.1317	1.475	1.550	NO
14	Total F2 PeCDFs	339.8597	10.190	34.47	34.47	0.997	5221.1318	5221.1318	5221.1318		1.0938			
15	Total F1 PeCDFs	339.8597	10.190	36.56	36.56	0.997	403.9480	403.9480	403.9480		0.4126			
16														
17	13C-1,2,3,7,8-PeCDD	367.8949	10.190	25.63	25.57	0.747	239968.96	113.1622	113.1622	57.7	0.6064	1.578	1.550	NO
18	1,2,3,7,8-PeCDD	355.8546	10.190	25.66	25.65	1.057	51329.71	39.7293	39.7293		1.2167	1.624	1.550	NO
19	Total PeCDDs	355.8546	10.190	31.10	31.10	1.057	460.1340	454.7331	454.7331		1.2167			
20														
21	13C-1,2,3,7,8,9-HxCDD	401.8559	10.190	32.66	32.61	1.000	257455.70	98.1354	98.1354	100.0	0.4415	1.269	1.240	NO
22														
23	13C-1,2,3,4,7,8-HxCDF	383.8639	10.190	31.32	31.32	0.916	282363.84	117.4475	117.4475	59.8	1.0224	0.523	0.510	NO
24	1,2,3,4,7,8-HxCDF	373.8208	10.190	31.33	31.32	1.243	2602051.38	1455.3334	1455.3334		1.0640	1.245	1.240	NO
25	2,3,6,7,8-HxCDF	373.8208	10.190	31.48	31.46	1.496	1780460.69	827.1360	827.1360		0.8838	1.283	1.240	NO
26	2,3,4,6,7,8-HxCDF	373.8208	10.190	32.13	32.13	1.311	430518.45	228.2388	228.2388		1.0085	1.248	1.240	NO
27	1,2,3,7,8,9-HxCDF	373.8208	10.190	32.84	32.86	1.291	232217.01	125.0331	125.0331		1.0243	1.216	1.240	NO
28	Total HxCDFs	373.8208	10.190	0.00	0.00	1.335	6225.0757	6225.0757	6225.0757		0.9903			
29														
30	13C-1,2,3,6,7,8-HxCDD	401.8559	10.190	32.36	32.38	0.809	274813.70	129.4527	129.4527	66.0	0.5457	1.258	1.240	NO
31	1,2,3,4,7,8-HxCDD	389.8157	10.190	32.28	32.27	0.933	30304.75	23.2076	21.0349		0.6103	1.471	1.240	YES
32	2,3,6,7,8-HxCDD	389.8157	10.190	32.38	32.37	1.180	78472.65	47.4861	47.4861		0.4822	1.250	1.240	NO
33	1,2,3,7,8,9-HxCDD	389.8157	10.190	32.66	32.65	1.283	79305.06	44.1522	44.1522		0.4437	1.306	1.240	NO

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 12:38:35 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 12:40:41 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1, Task:

36	Total HxCDDs	389.8157	10.190	0.00	1.132	340.1407	335.7978	0.5028				
37												
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.190	34.19	0.811	258246.15	121.4065	61.9	1.6530	0.439	0.440	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	10.190	34.20	1.364	5777289.25	3219.3753	3219.3753	1.3725	1.027	1.040	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	10.190	35.31	1.115	2185903.88	1490.1942	1490.1942	1.6791	1.033	1.040	NO
41	Total HpCDFs	407.7818	10.190	0.00	1.239	6592.6838	6592.6838		1.5104			
42												
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.190	34.99	0.707	228068.22	122.8866	62.6	1.3717	1.040	1.040	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	10.190	35.00	1.043	263966.84	217.7750	217.7750	0.5947	1.026	1.040	NO
45	Total HpCDDs	423.7766	10.190	0.02	1.043	343.4055	343.4055		0.5947			
46												
47	13C-OCDD	469.7779	10.190	37.45	0.519	343876.88	252.6561	64.4	1.5761	0.902	0.890	NO
48	OCDF	441.7428	10.190	37.55	1.402	12456963.00	10141.6318	10141.6318	2.3676	0.881	0.890	NO
49	OCDD	457.7377	10.190	37.46	1.197	320256.31	305.4363	305.4363	0.9494	0.900	0.890	NO
50												
51												
52	Function 1 PFK	330.97920	1.000		14.26							
53	Function 2 PFK	342.97920	1.000	22.50	22.48	697.88	0.0417	4.2	0.2374			
54	Function 3 PFK	380.97600	1.000	29.31	29.28	6660.23	0.8421	84.2	2.1536			
55	Function 4 PFK	430.97290	1.000		34.81				0.0000			
56	Function 5 PFK	442.97280	1.000	39.35	39.31	2857.79	0.7239	72.4	1.6769			
57	TCDF PCDFE	375.8364	1.000	14.99	15.01	1.70	0.0567	5.7	1.7844			
58	F1 PeCDF PCDFE	409.79740	1.000	18.65	18.68	40.44	0.8796	88.0	0.1537			
59	F2 PeCDF PCDFE	409.7974	1.000	22.09	22.10	123.64	6.9563	695.6	1.8041			
60	HxCDF PCDFE	445.7555	1.000		33.02				0.0000			
61	HPCDF PCDFE	479.7165	1.000	35.33	35.33	46.50	0.6159	61.6	1.3214			
62	OCDF PCDFE	513.67750	1.000	37.57	37.54	41.21	0.4845	48.4	0.0950			



Quantify Sample Report MassLynx 4.1

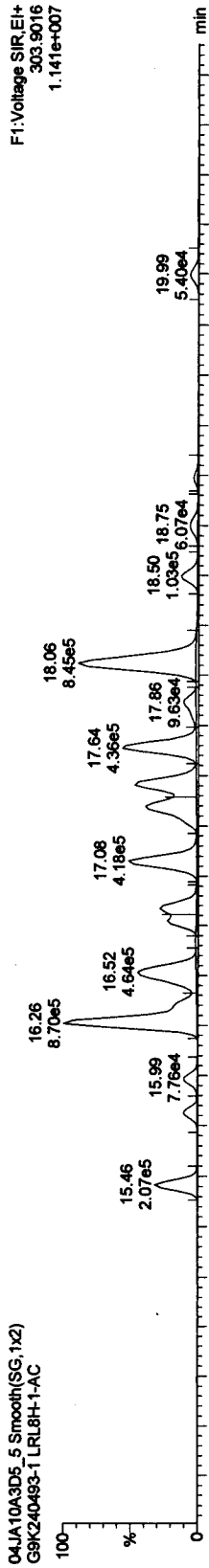
Dataset: C:\MassLynxDefault.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

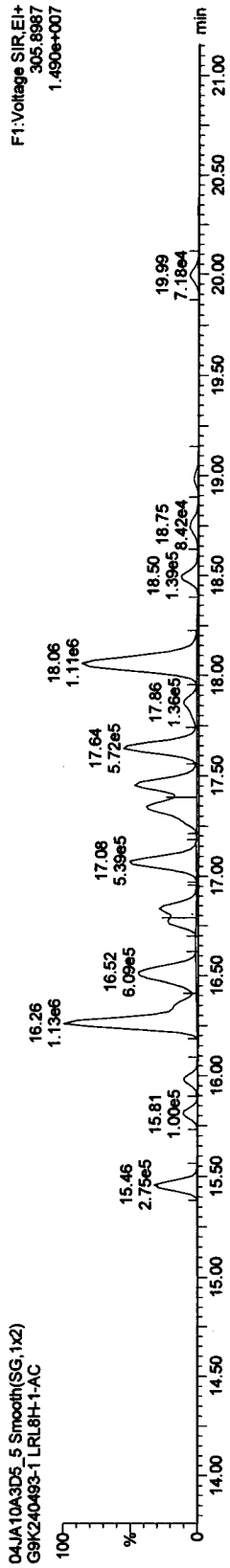
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

TCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

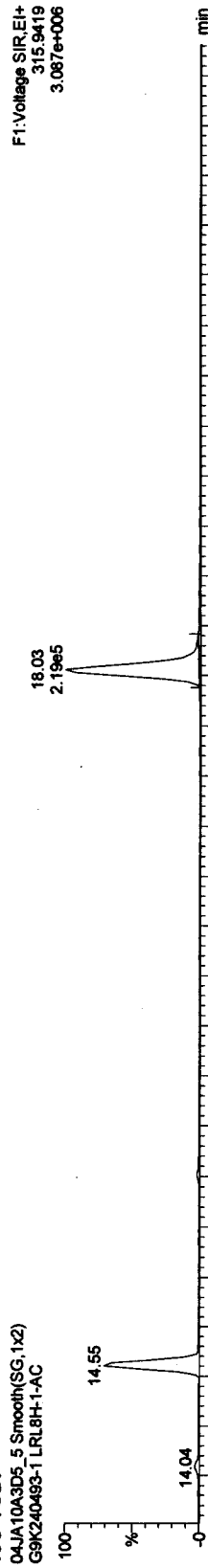


04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

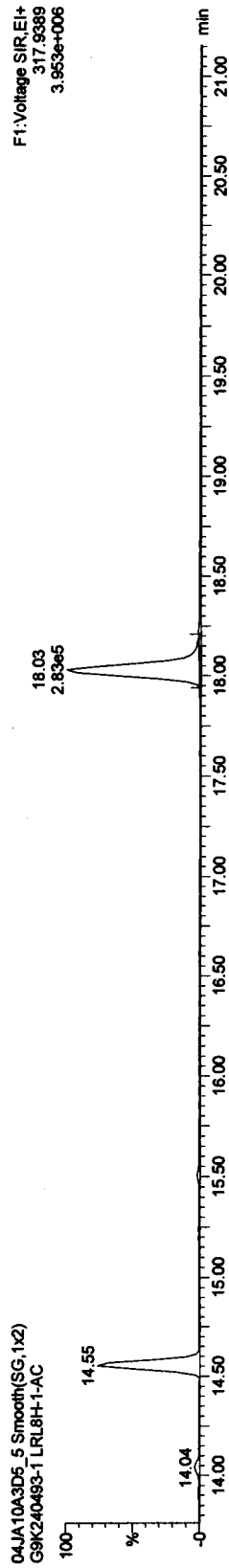


13C-TCDF

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



Quantify Sample Report MassLynx 4.1

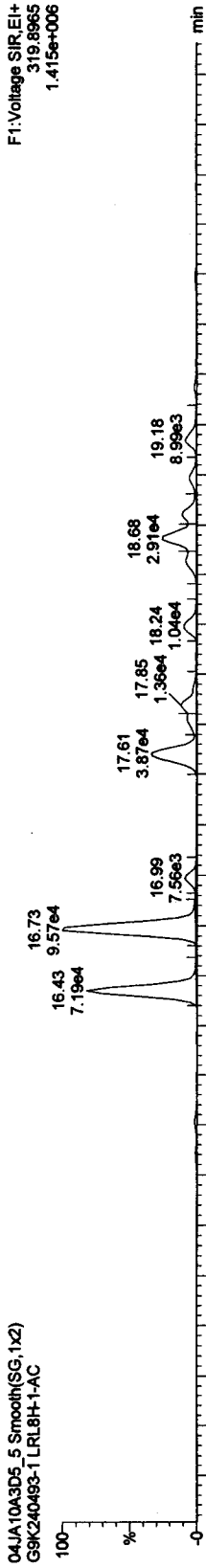
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Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

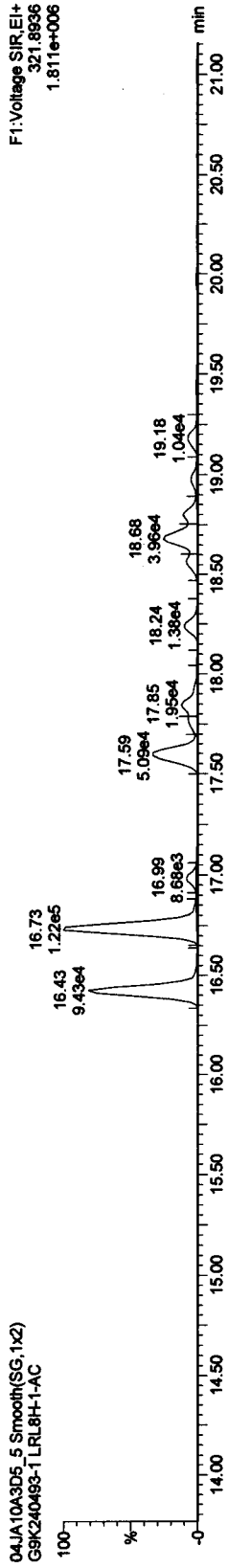
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TCDDs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

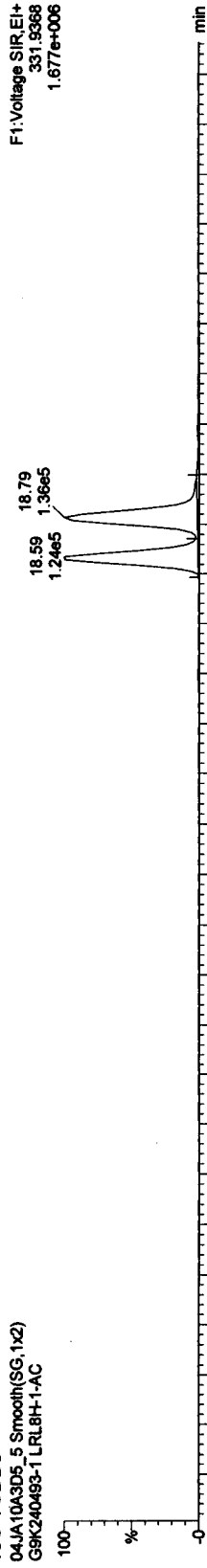


04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

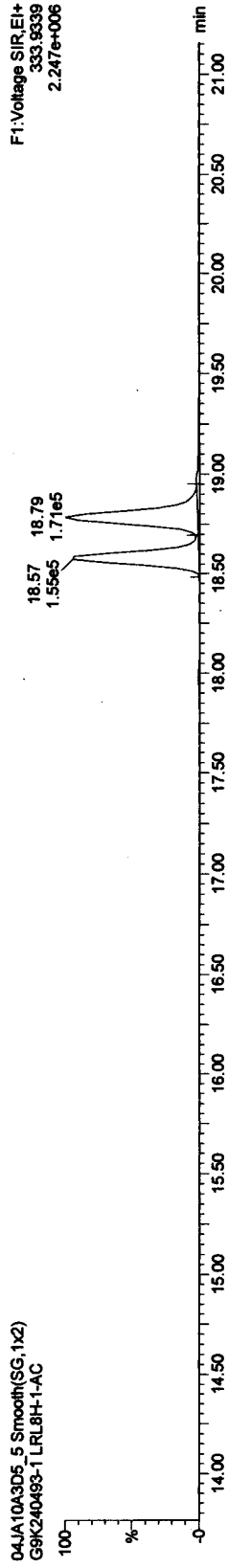


13C-TCDDs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

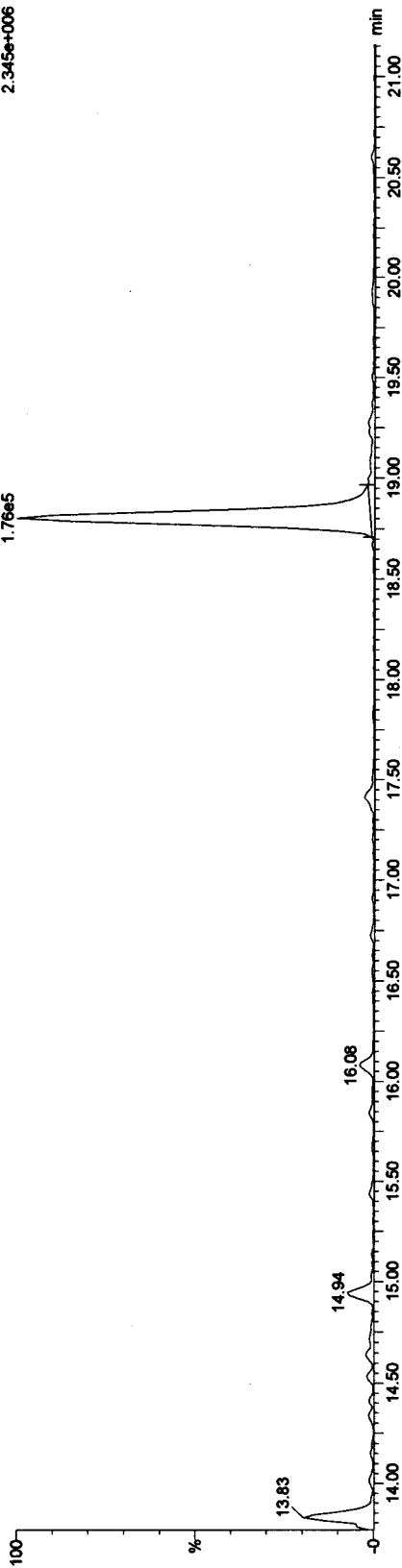
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

37CL-2,3,7,8-TCDD

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

F1:Voltage SIR,EI+  
327.8847  
2.345e+006



13C-TCDDs

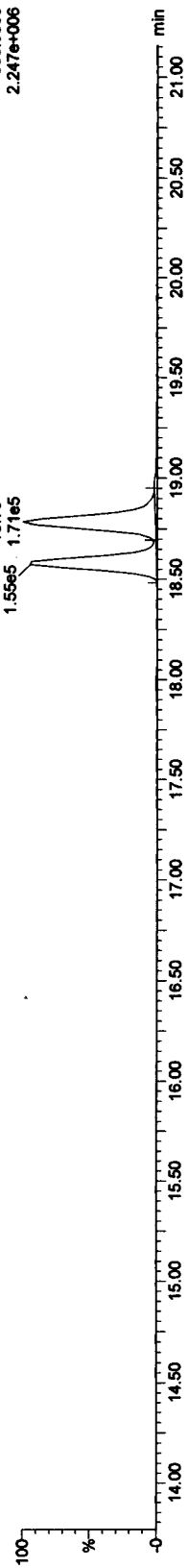
04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

F1:Voltage SIR,EI+  
331.9368  
1.677e+006



04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

F1:Voltage SIR,EI+  
333.9339  
2.247e+006



Quantify Sample Report MassLynx 4.1

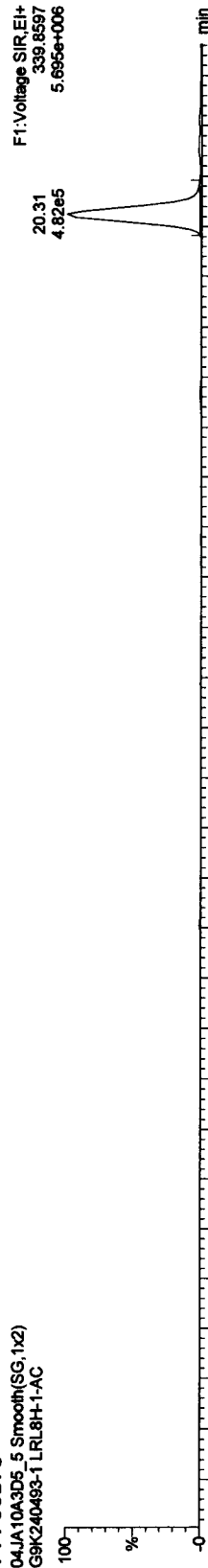
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

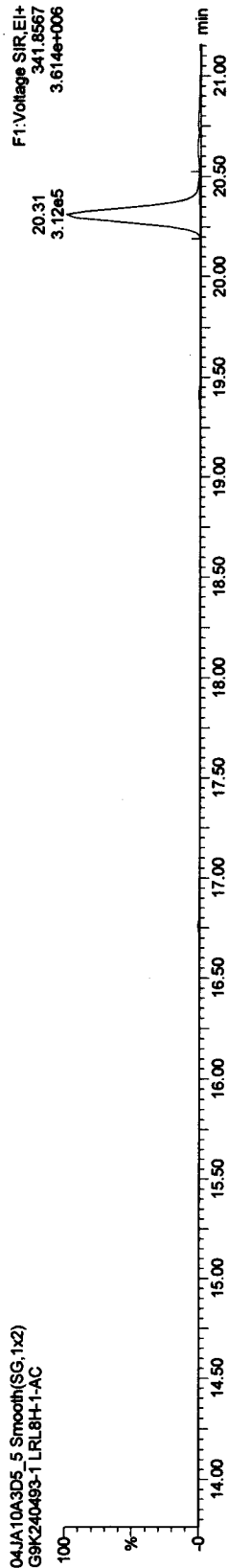
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

F1 PeCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

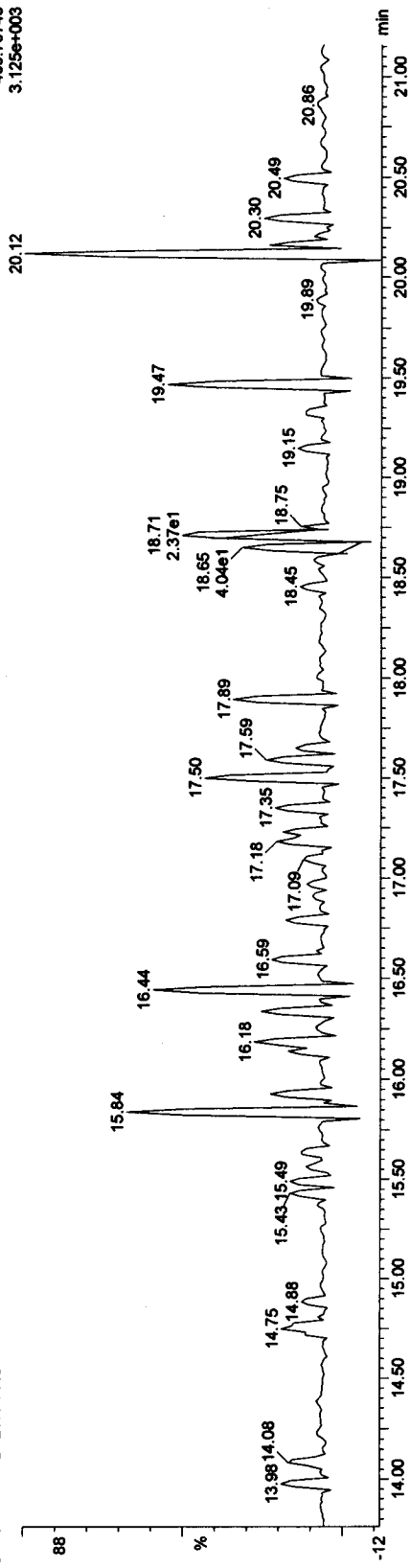


04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



F1 PeCDF PCDPE

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



Quantify Sample Report MassLynx 4.1

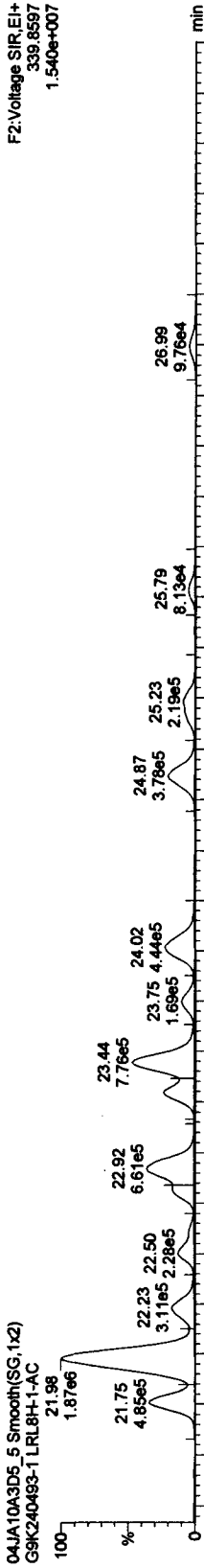
Dataset: C:\MassLynxDefault.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

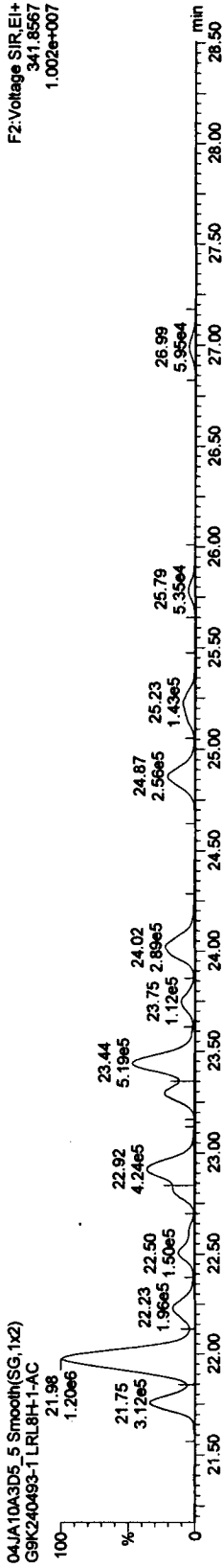
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

PeCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC

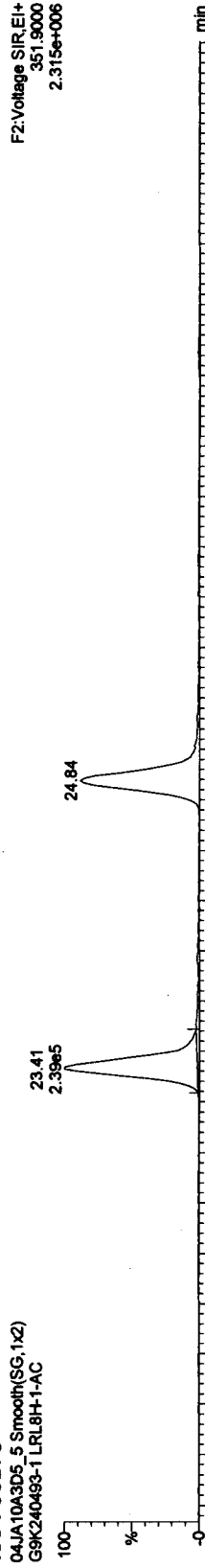


04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC

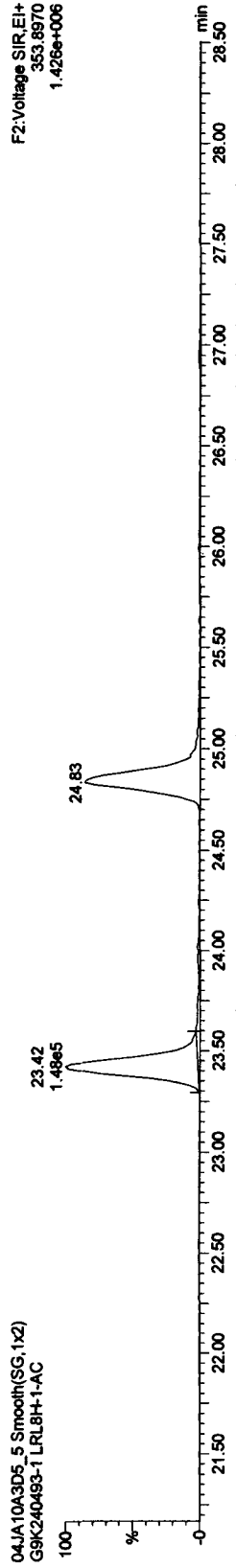


13C-PeCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC



04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC



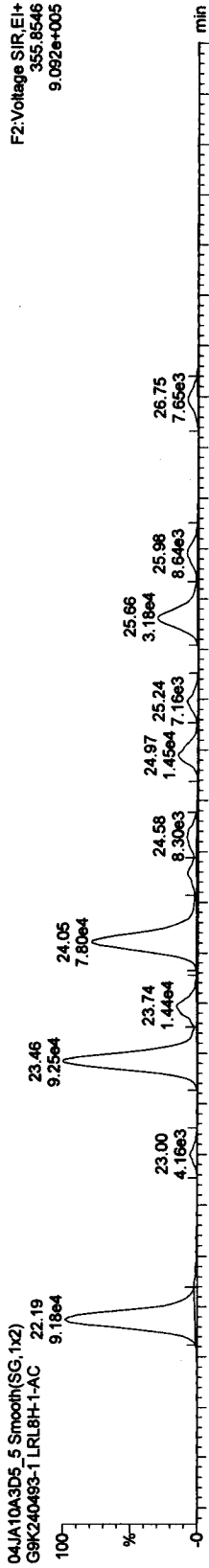
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

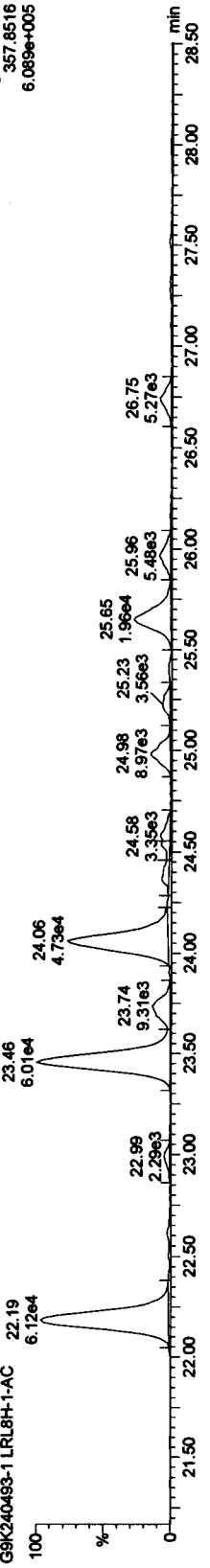
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

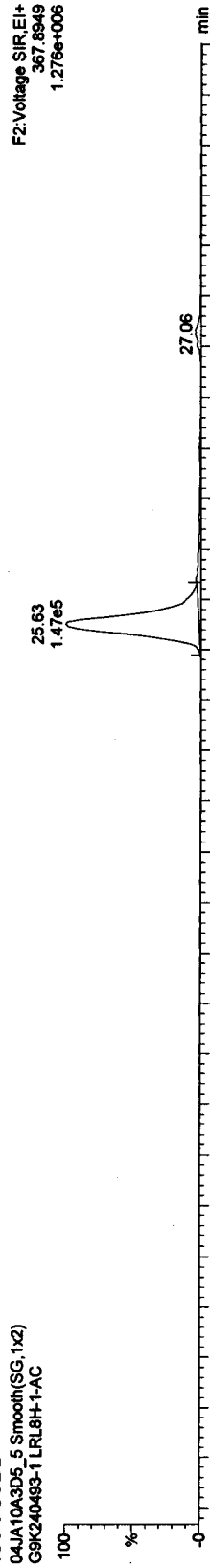
PeCDDs



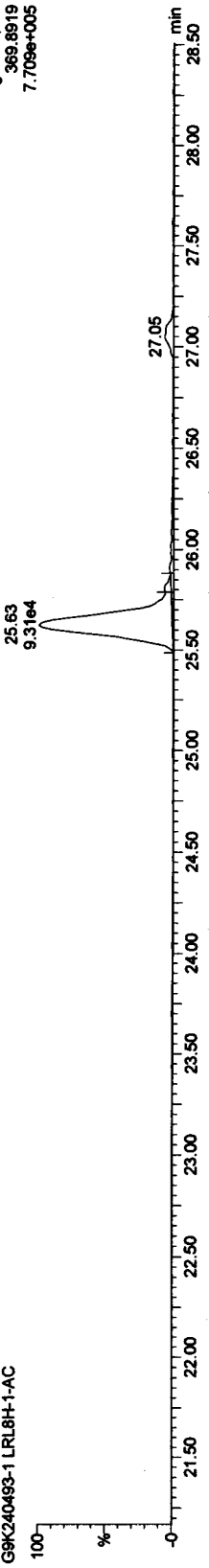
13C-PeCDD



13C-PeCDD



13C-PeCDD



Quantify Sample Report MassLynx 4.1

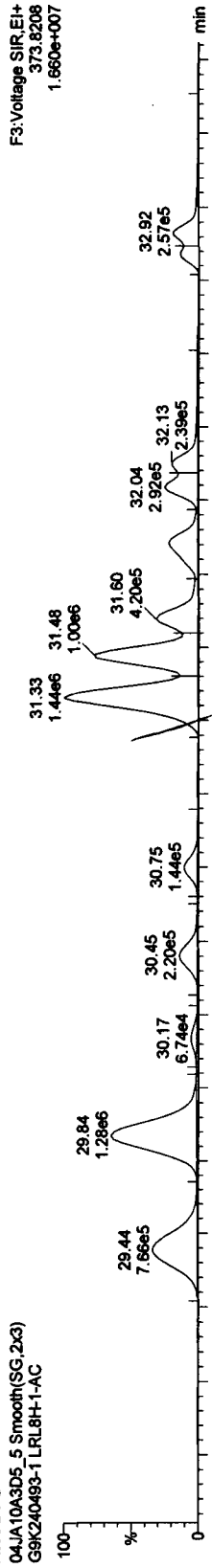
Dataset: C:\MassLynx\Default.pro\04JA10A3D56290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

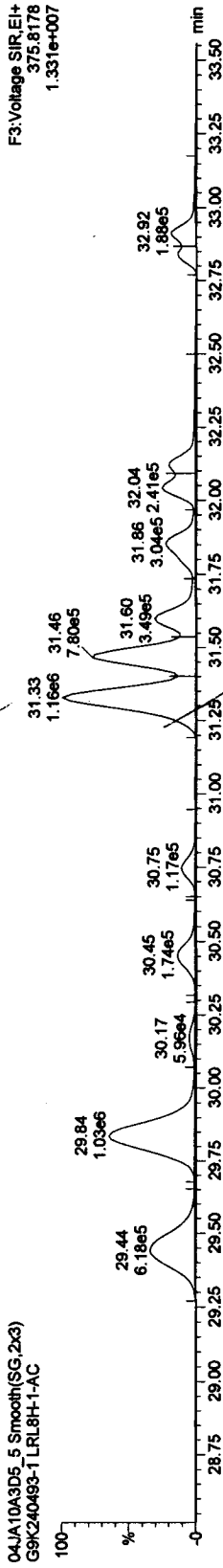
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

HxCDFs

04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRL8H-1-AC

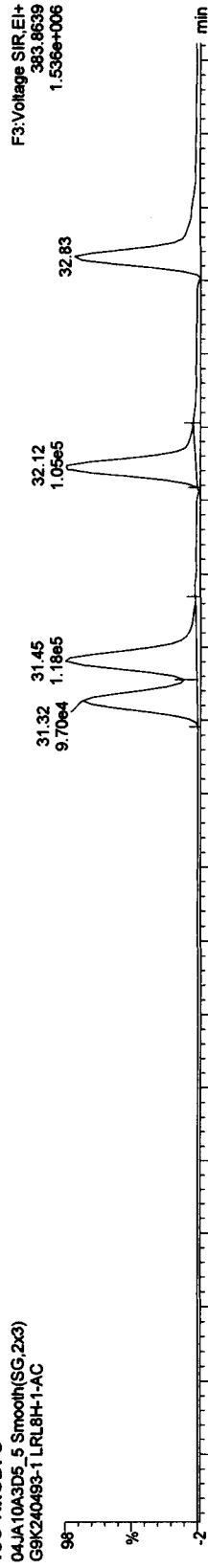


04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRL8H-1-AC

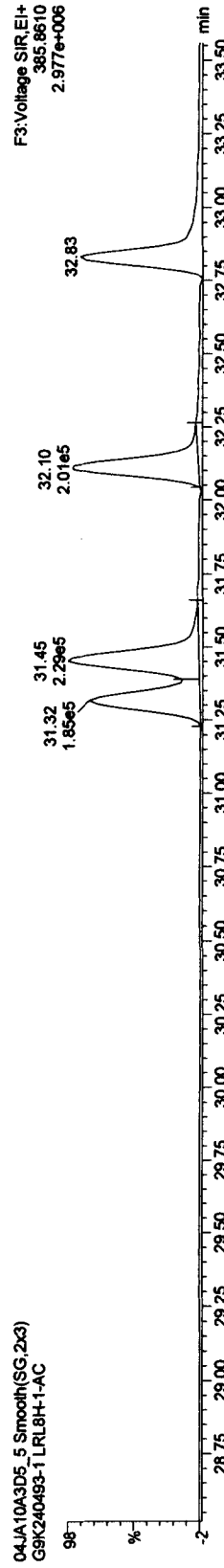


13C-HxCDFs

04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRL8H-1-AC



04JA10A3D5\_5 Smooth(SG,2x3)  
G9K240493-1 LRL8H-1-AC

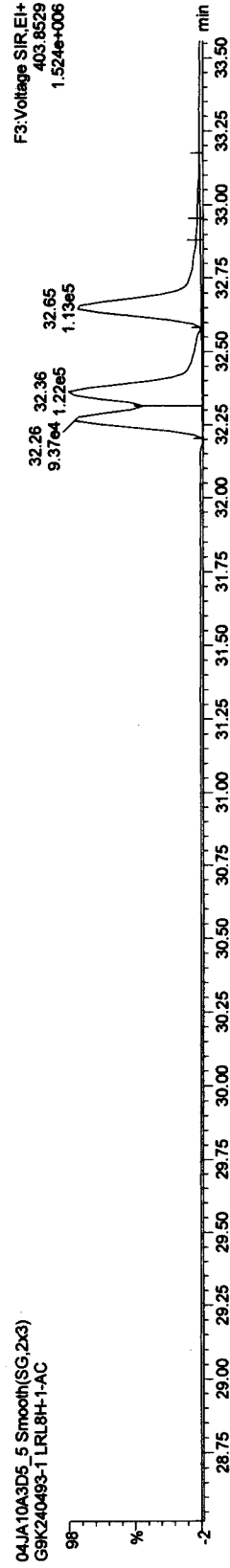
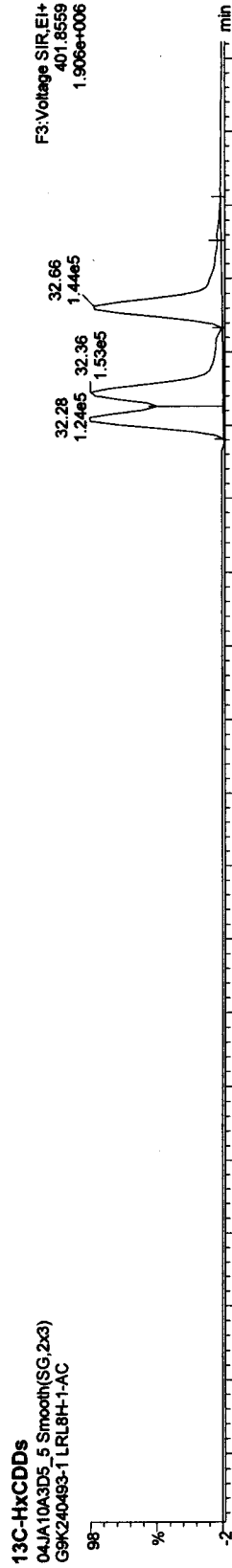
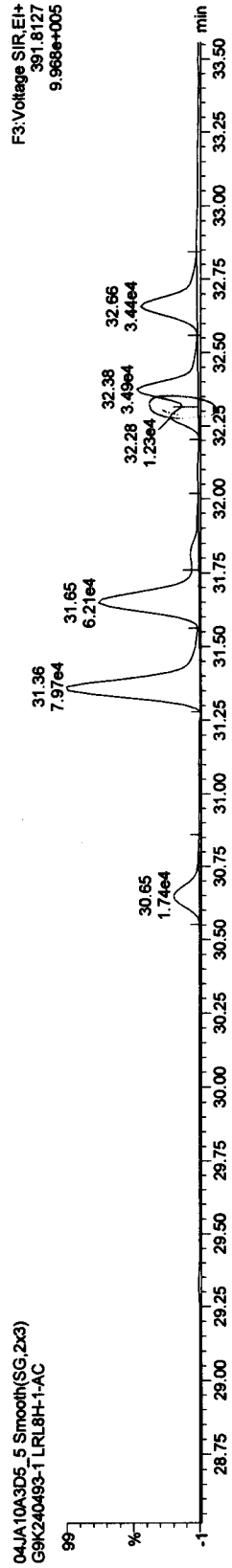
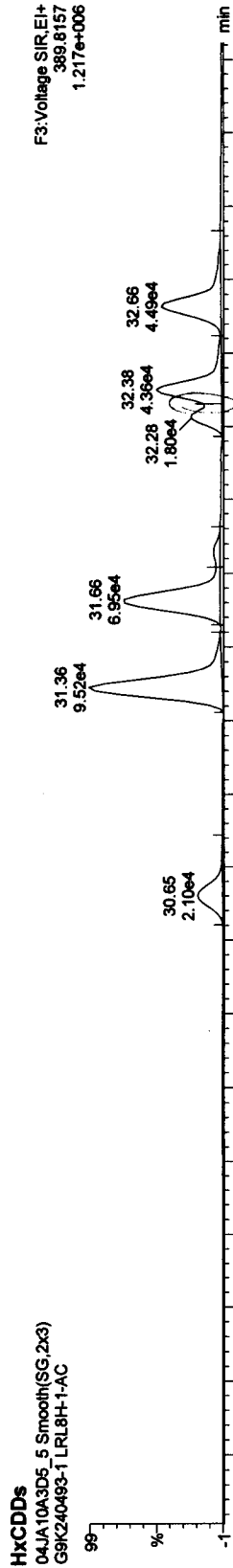


Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

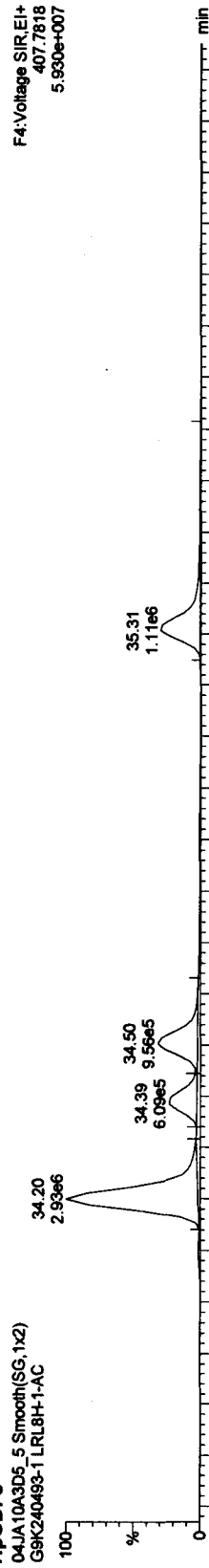
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

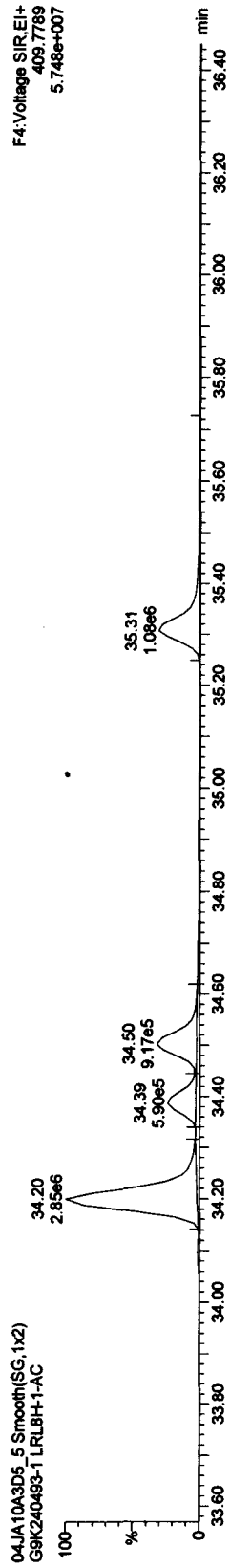
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

HpCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

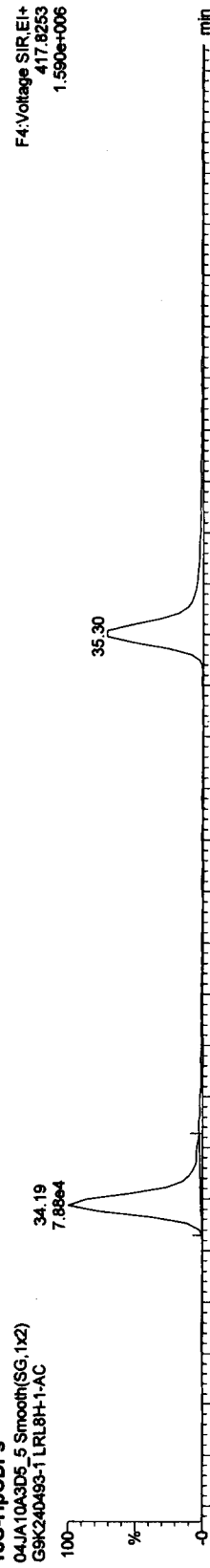


04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

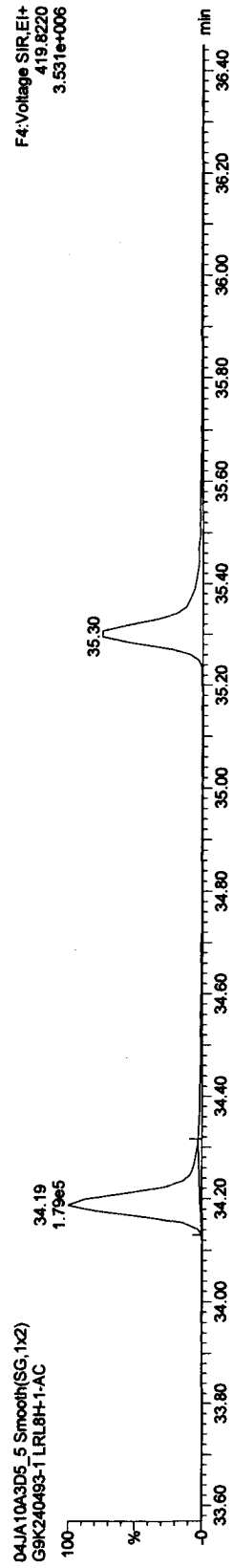


13C-HpCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



Quantify Sample Report MassLynx 4.1

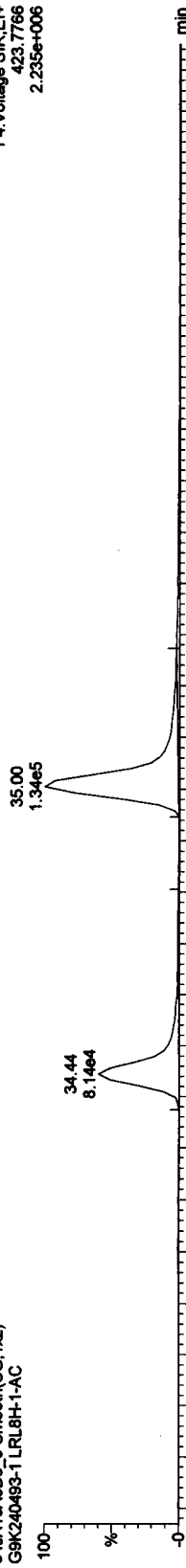
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

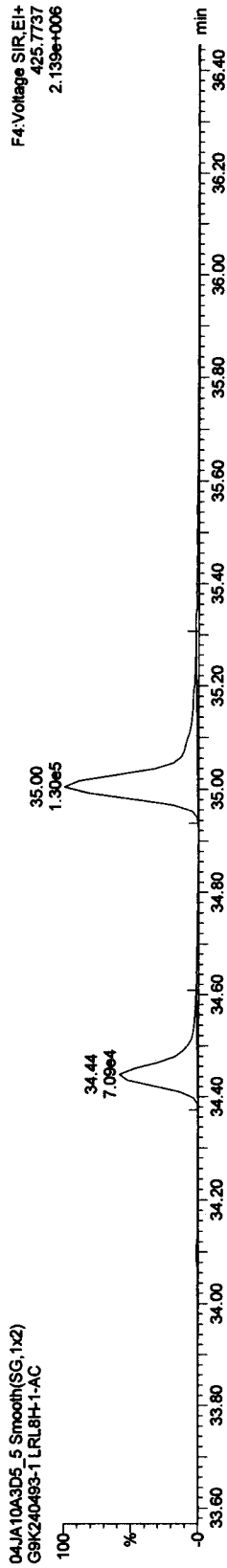
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

HpCDDs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

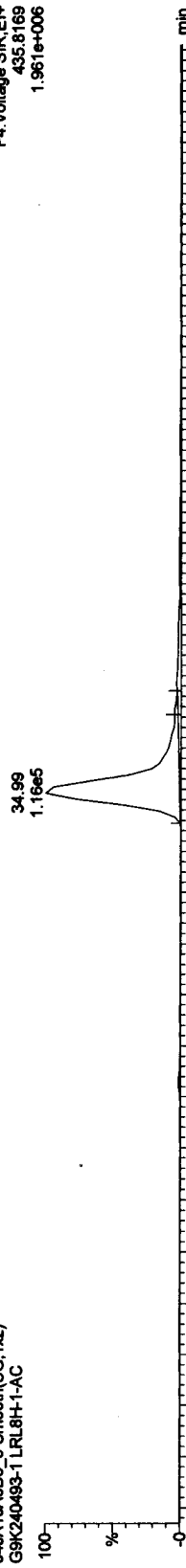


04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

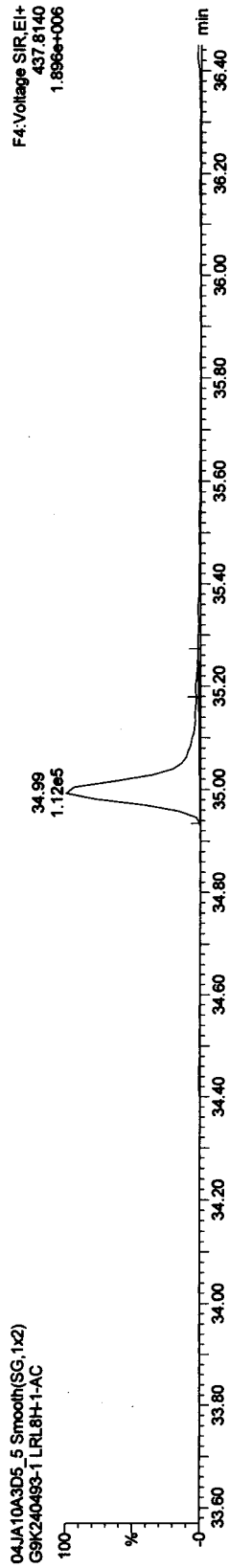


13C-HpCDD

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D56290A.qld

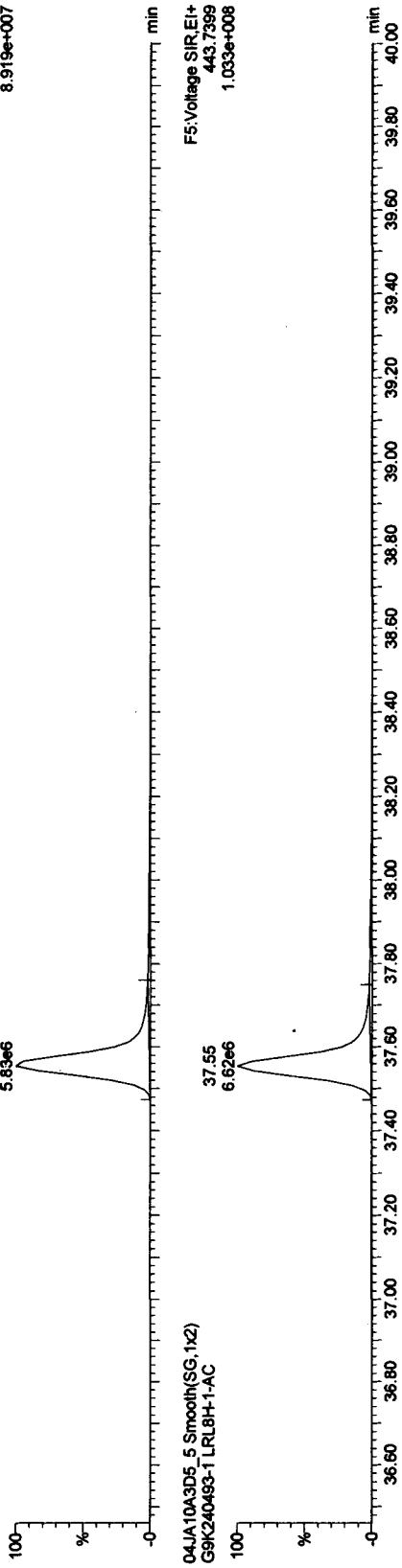
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04-JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

OCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

F5:Voltage SJR, EI+  
441.7428  
8.919e+007



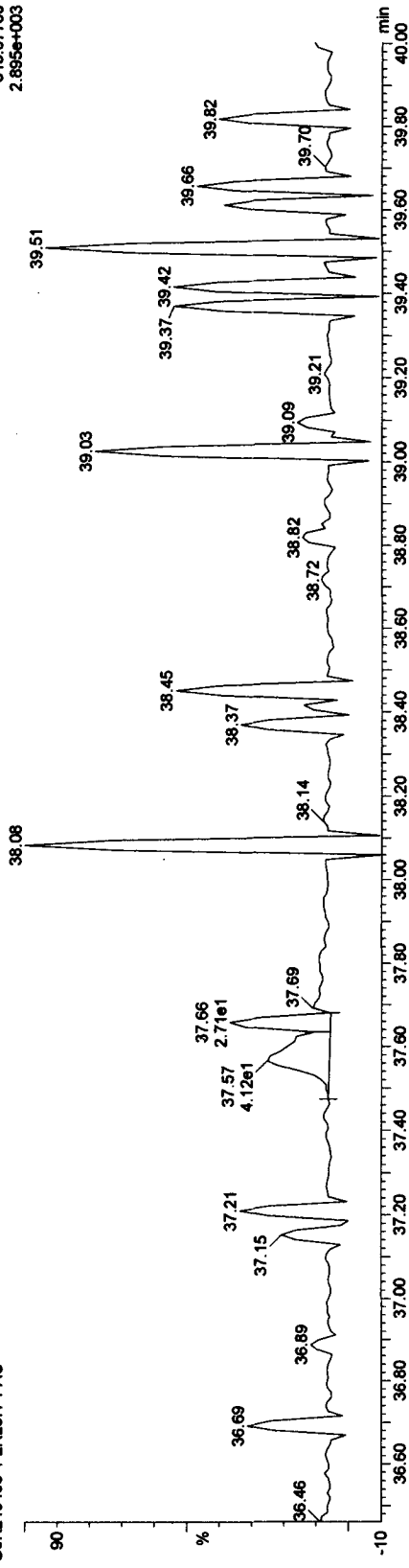
04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

F5:Voltage SJR, EI+  
443.7399  
1.033e+008

OCDF PCDFPE

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

F5:Voltage SJR, EI+  
513.67750  
2.895e+003

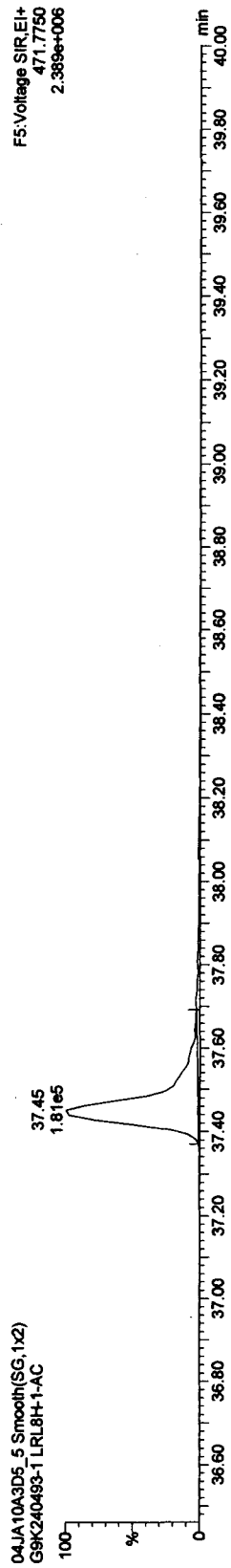
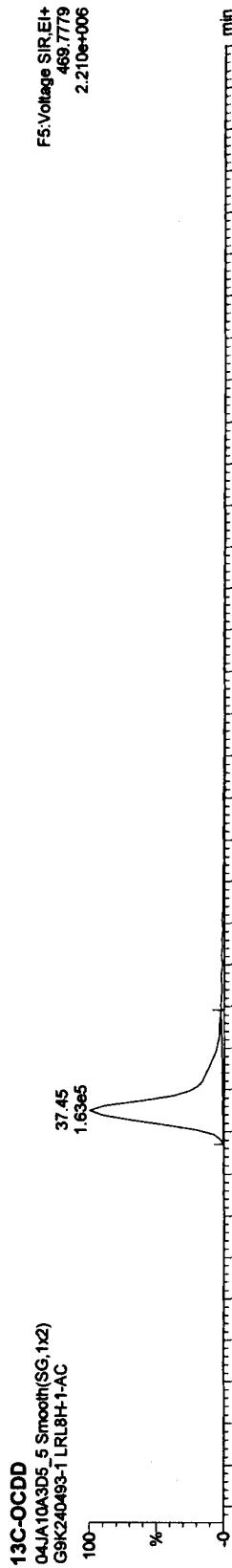
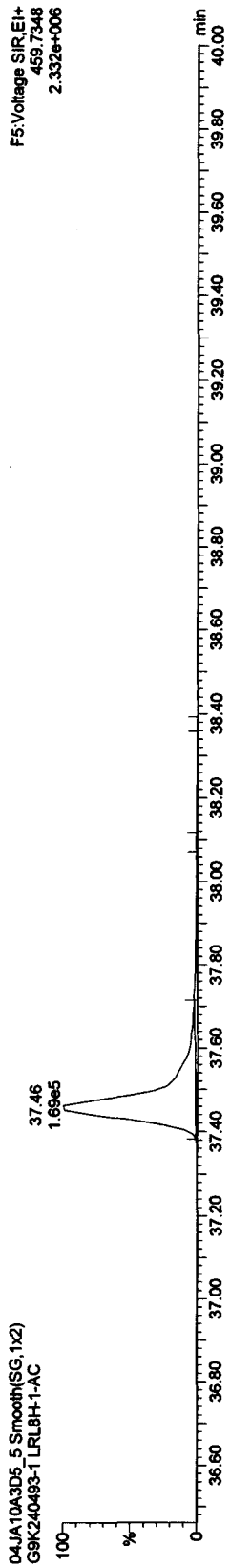
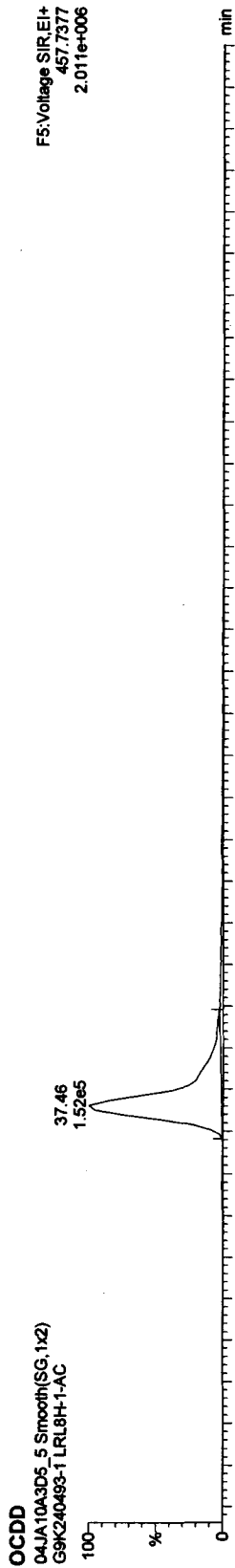


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1



Quantify Sample Report MassLynx 4.1

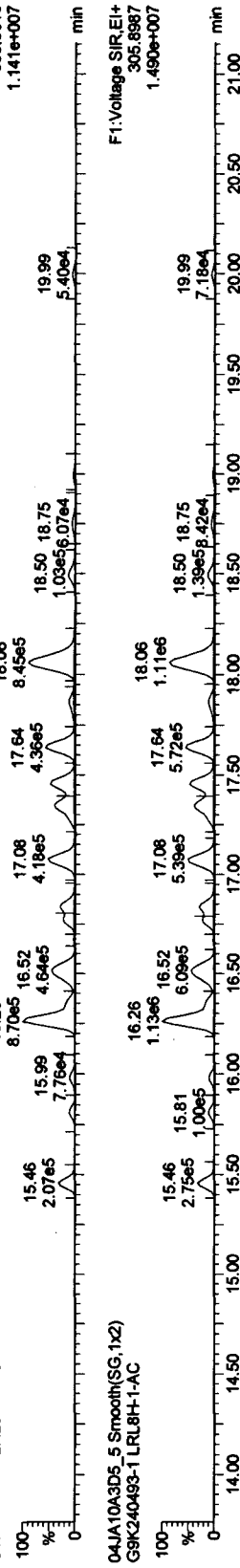
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

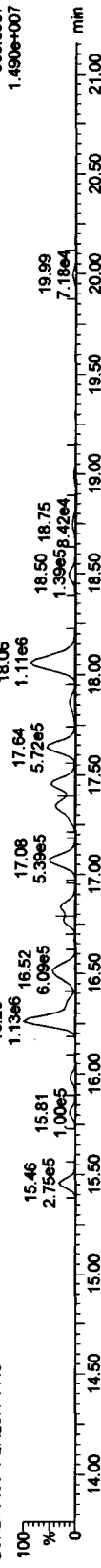
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

TCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC

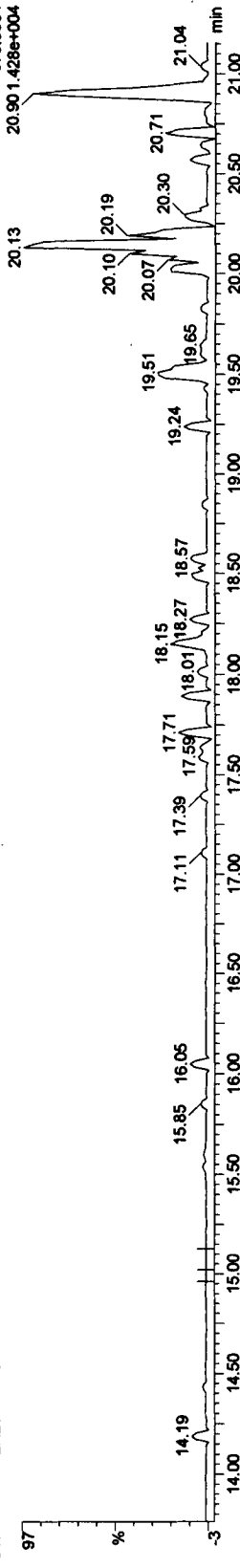


04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC



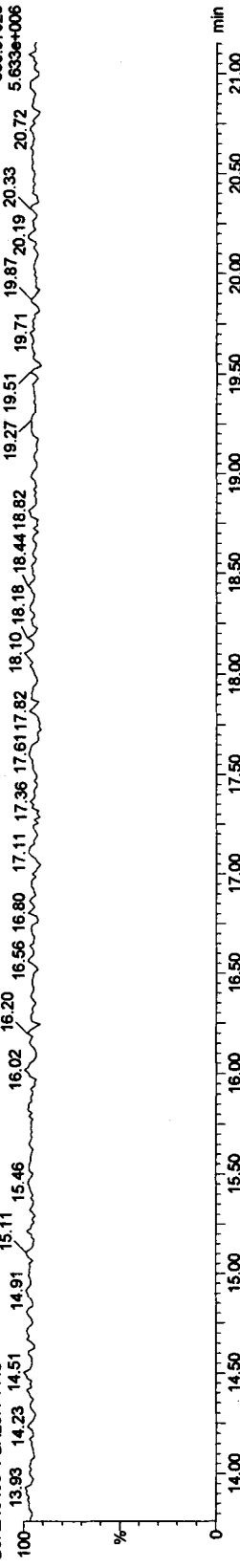
TCDF PCDFE

04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC



Function 1 PFK

04JA10A3D5\_5 Smooth(SG,1x2)  
 G9K240493-1 LRL8H-1-AC



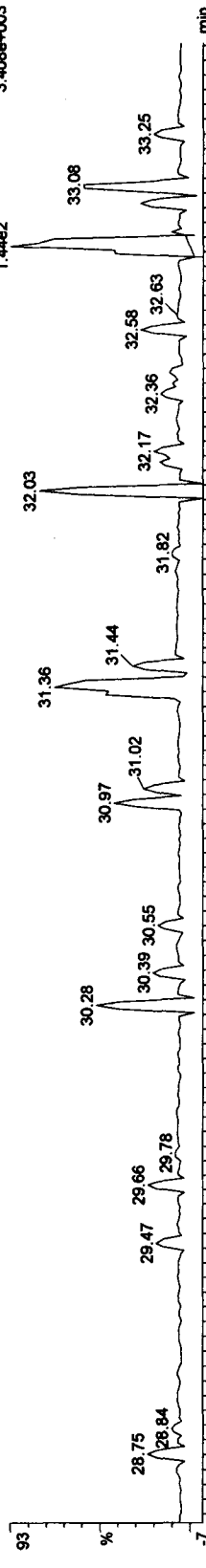
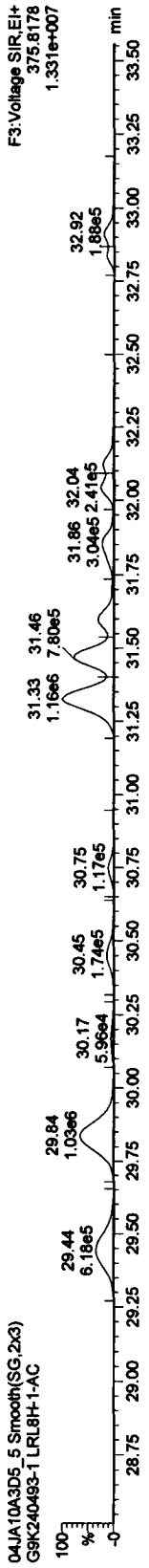
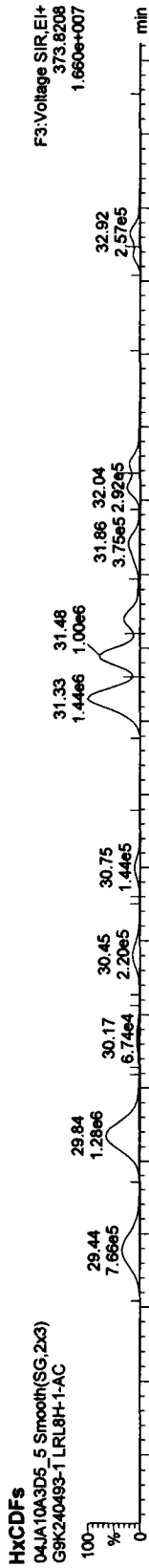


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1



Quantify Sample Report MassLynx 4.1

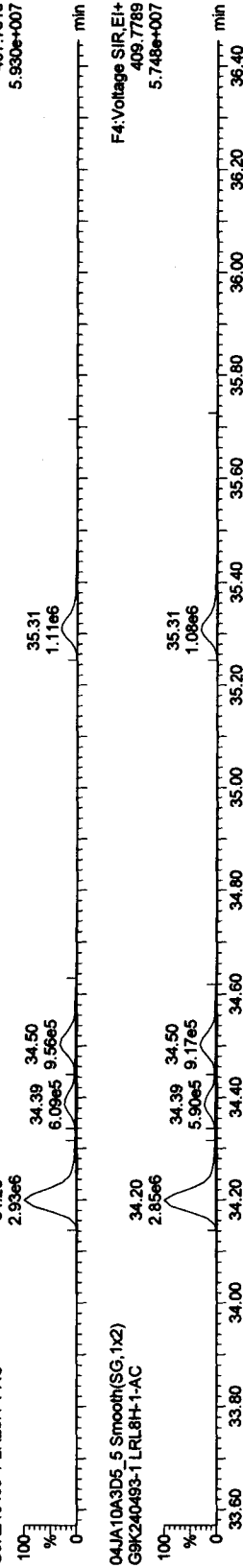
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

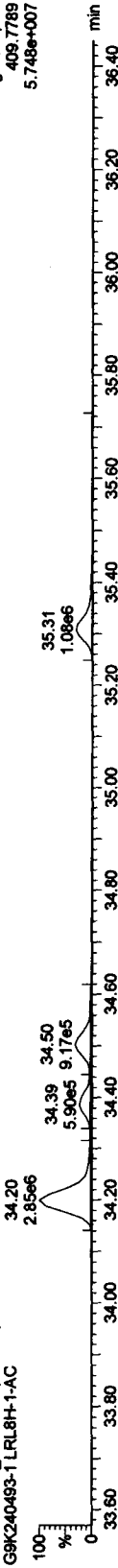
Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

HpCDFs

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

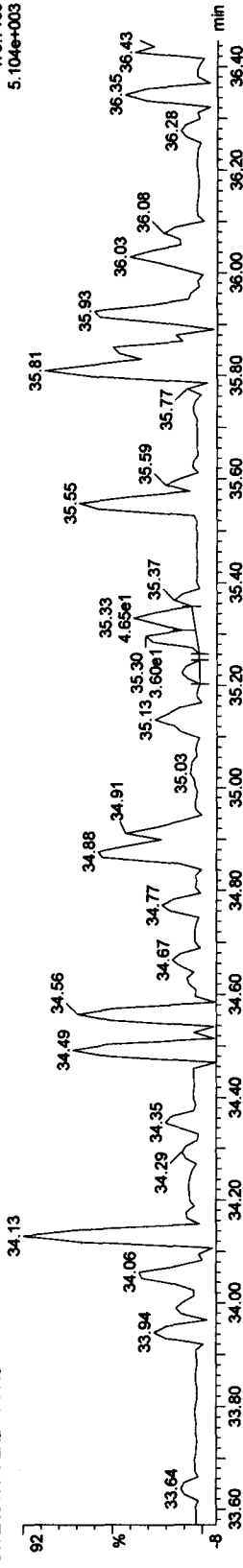


04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



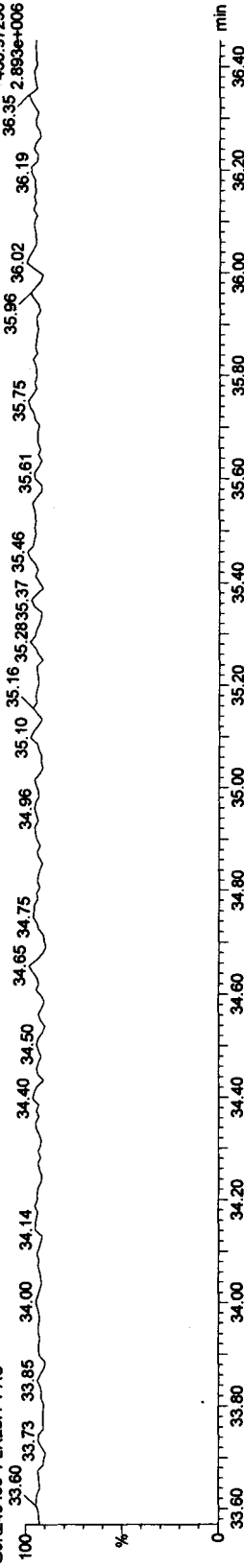
HpCDF PCDFE

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC



Function 4 PFK

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D56290A.qld

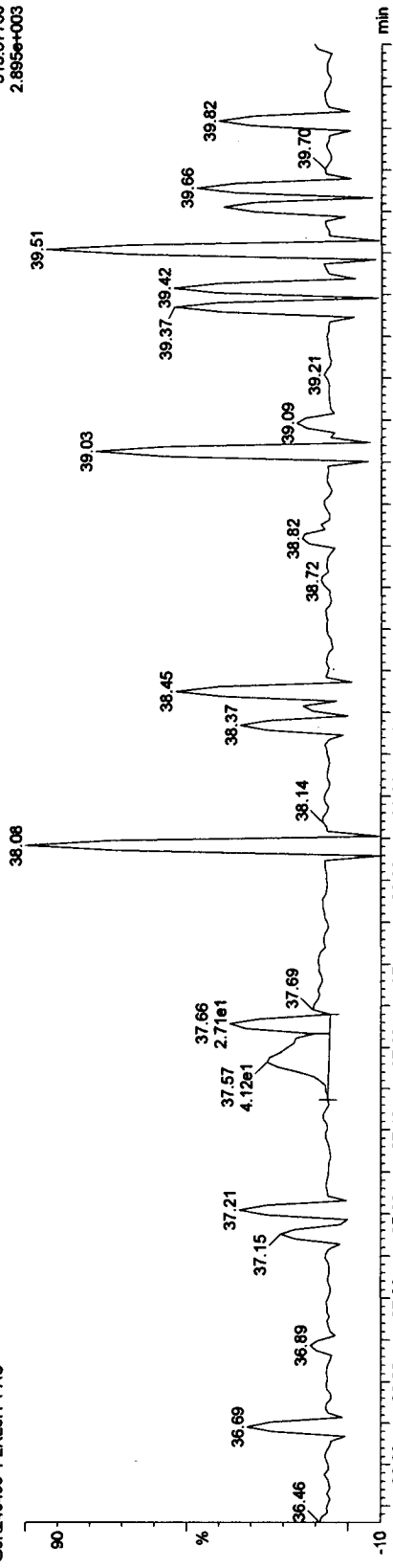
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_5, Date: 04-Jan-2010, Time: 19:20:24, ID: LRL8H-1-AC, Description: G9K240493-1

OCDF PCDPE

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

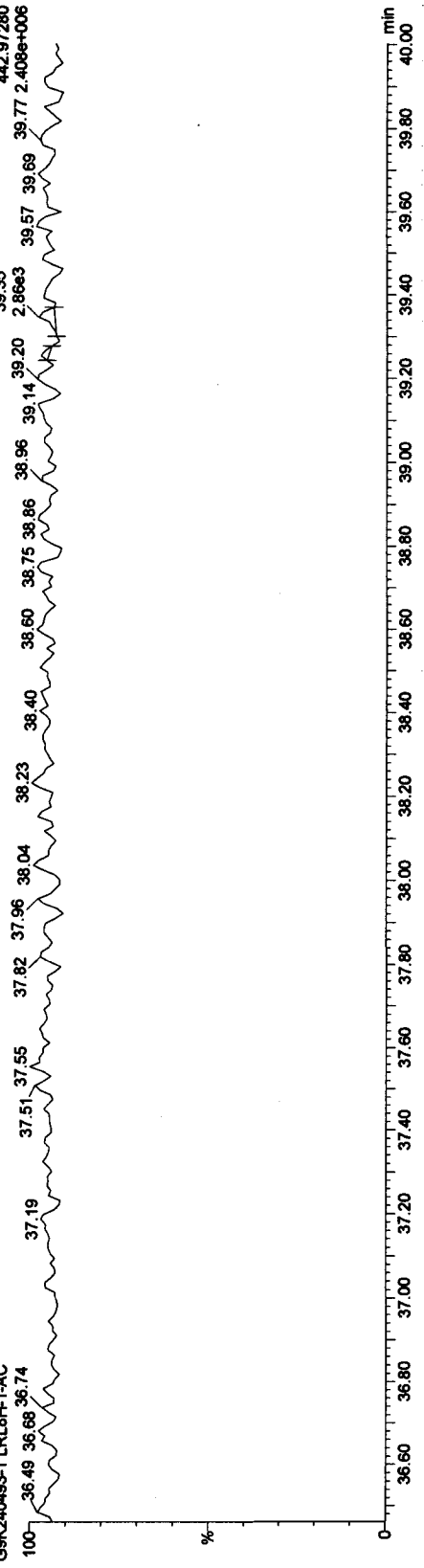
F5:Voltage SIR,EI+  
513.67750  
2.895e+003



Function 5 PFK

04JA10A3D5\_5 Smooth(SG,1x2)  
G9K240493-1 LRL8H-1-AC

F5:Voltage SIR,EI+  
442.97280  
2.86e3

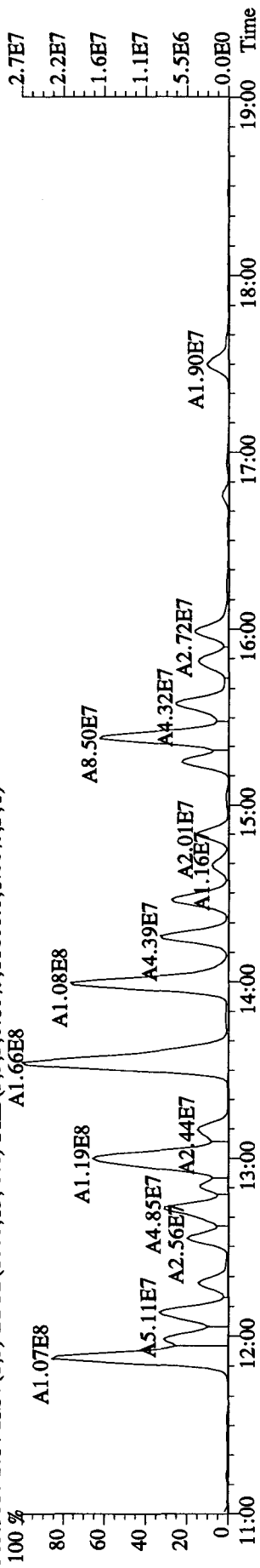


Run text: LRL8H-1-AC      Sample text: LRL8H-1-AC :G9L240493-1  
 Run #18 Filename: 05JA10A5D2 S: 14 I: 1      Results: 05JA10A5D2DB225  
 Acquired: 6-JAN-10      06:07:19      Processed: 6-JAN-10      08:17:31  
 Run: 05JA10A5D2      Analyte: DB225HRS      Cal: DB2250104105D2  
 Factor 1: 1600.000      Factor 2: 20.000      Sample size: 10.19007g

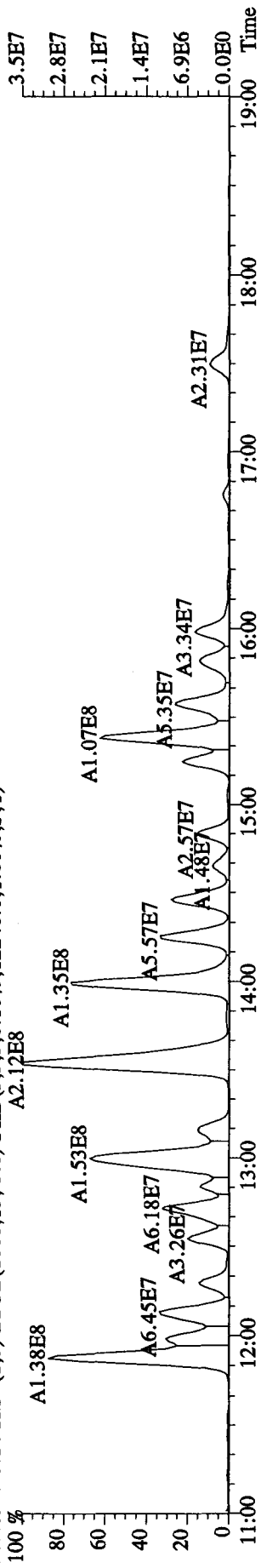
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	48253900	0.77 y	14:16	-	2.19	-	-	n
13C-2,3,7,8-TCDF	102018100	0.79 y	15:22	1.66	124.72	1.09	63.5	n
2,3,7,8-TCDF	192257600	0.79 y	15:23	1.01	364.95 /	0.66	-	n
13C-2,3,7,8-TCDD	54111900	0.77 y	14:03	0.95	<del>115.70</del>	1.11	58.9	n
2,3,7,8-TCDD	8297070	0.76 y	14:05	1.18	25.45	0.98	-	n
37Cl-2,3,7,8-TCDD	65659200	1.00 y	14:04	2.07	64.57	0.54	82.3	n

05  
01-06-10

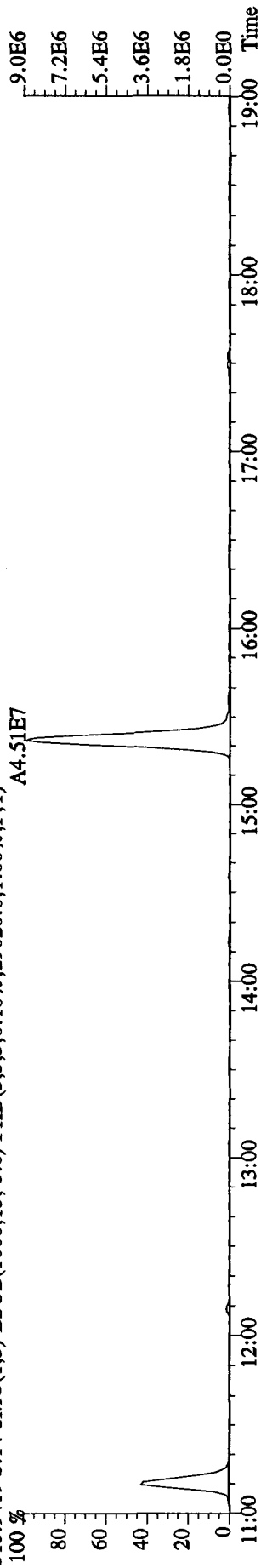
File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 06:07:19 GC EI+ Voltage SIR 70SE  
 Sample#14 Text:LR8H-1-AC :G9L240493-1 Exp:DB225  
 303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11608.0,1.00%,F,T)  
 A1.66E8



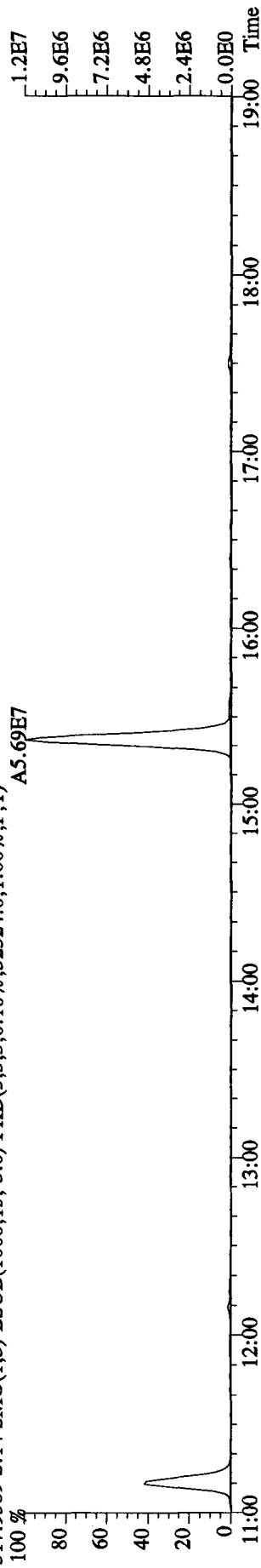
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12240.0,1.00%,F,T)  
 A2.12E8



315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29020.0,1.00%,F,T)  
 A4.51E7



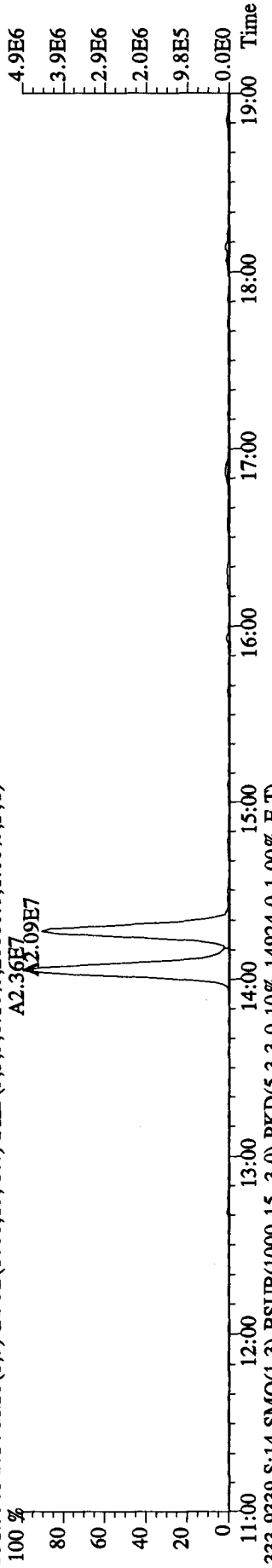
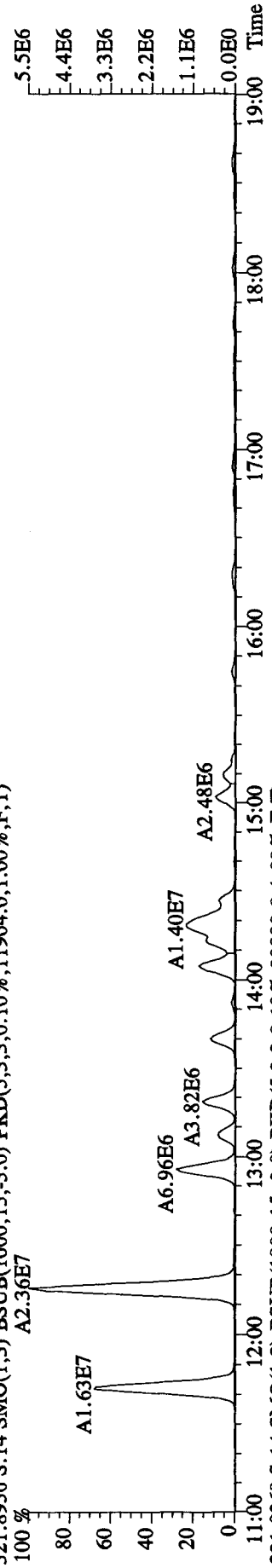
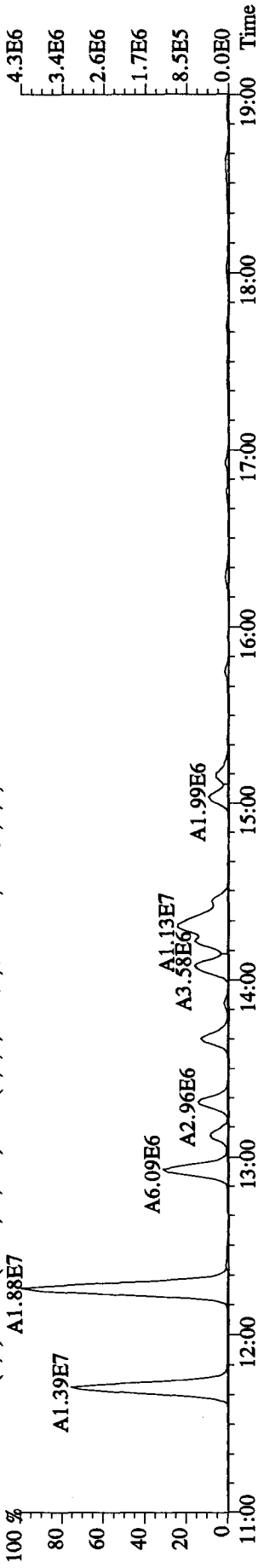
317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32324.0,1.00%,F,T)



File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 06:07:19 GC EI+ Voltage SIR 70SE

Sample#14 Text:LRL8H-1-AC :G9L240493-1 Exp:DB225

319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10288.0,1.00%,F,T)

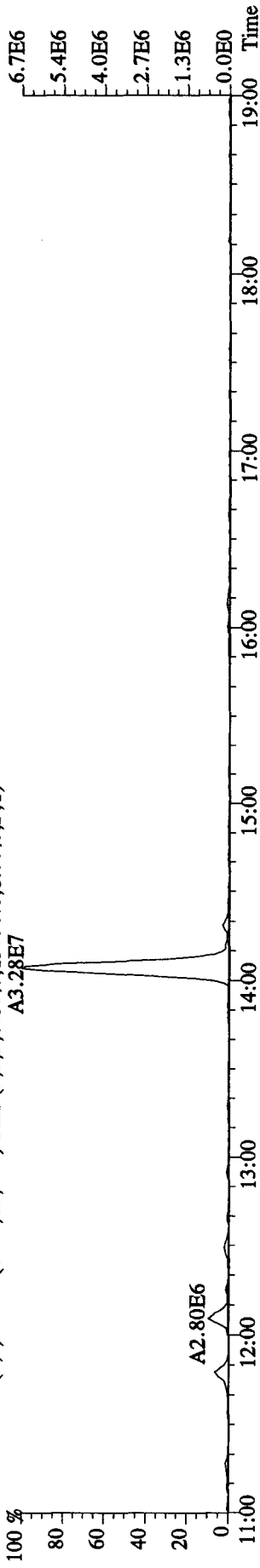


File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 06:07:19 GC EI+ Voltage SIR 70SE

Sample#14 Text:LRL8H-1-AC :G9L240493-1 Exp:DB225

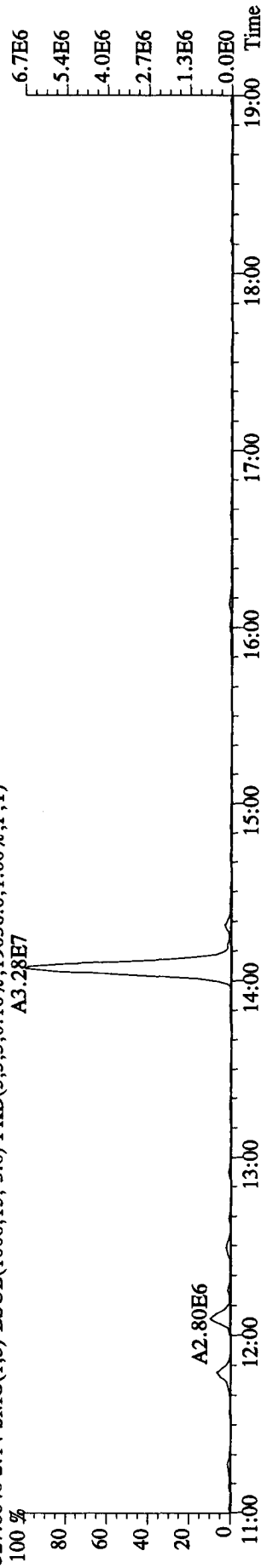
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19036.0,1.00%,F,T)

A3.28E7



331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20880.0,1.00%,F,T)

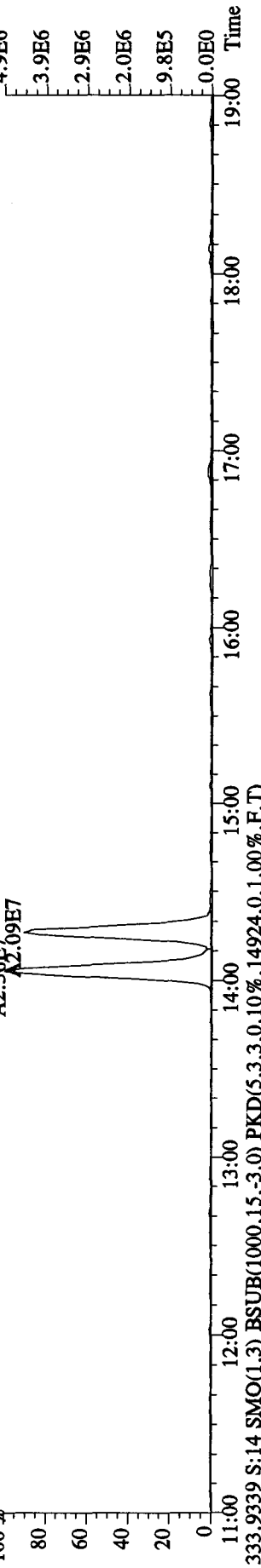
A3.28E7



333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14924.0,1.00%,F,T)

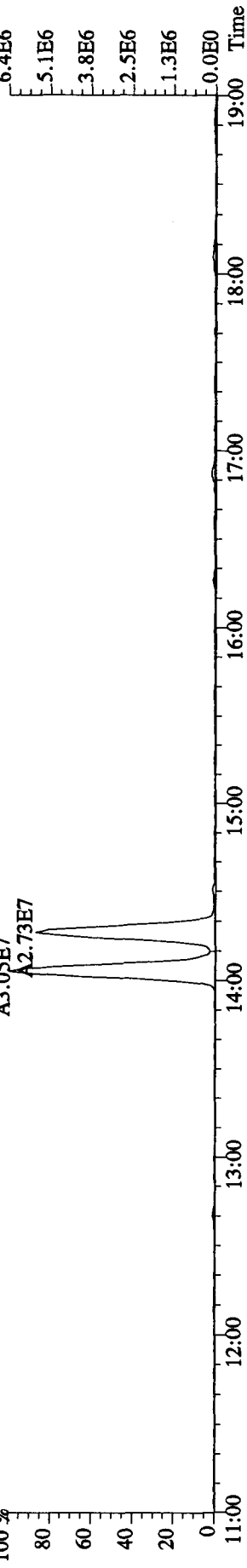
A2.36E7

A2.09E7

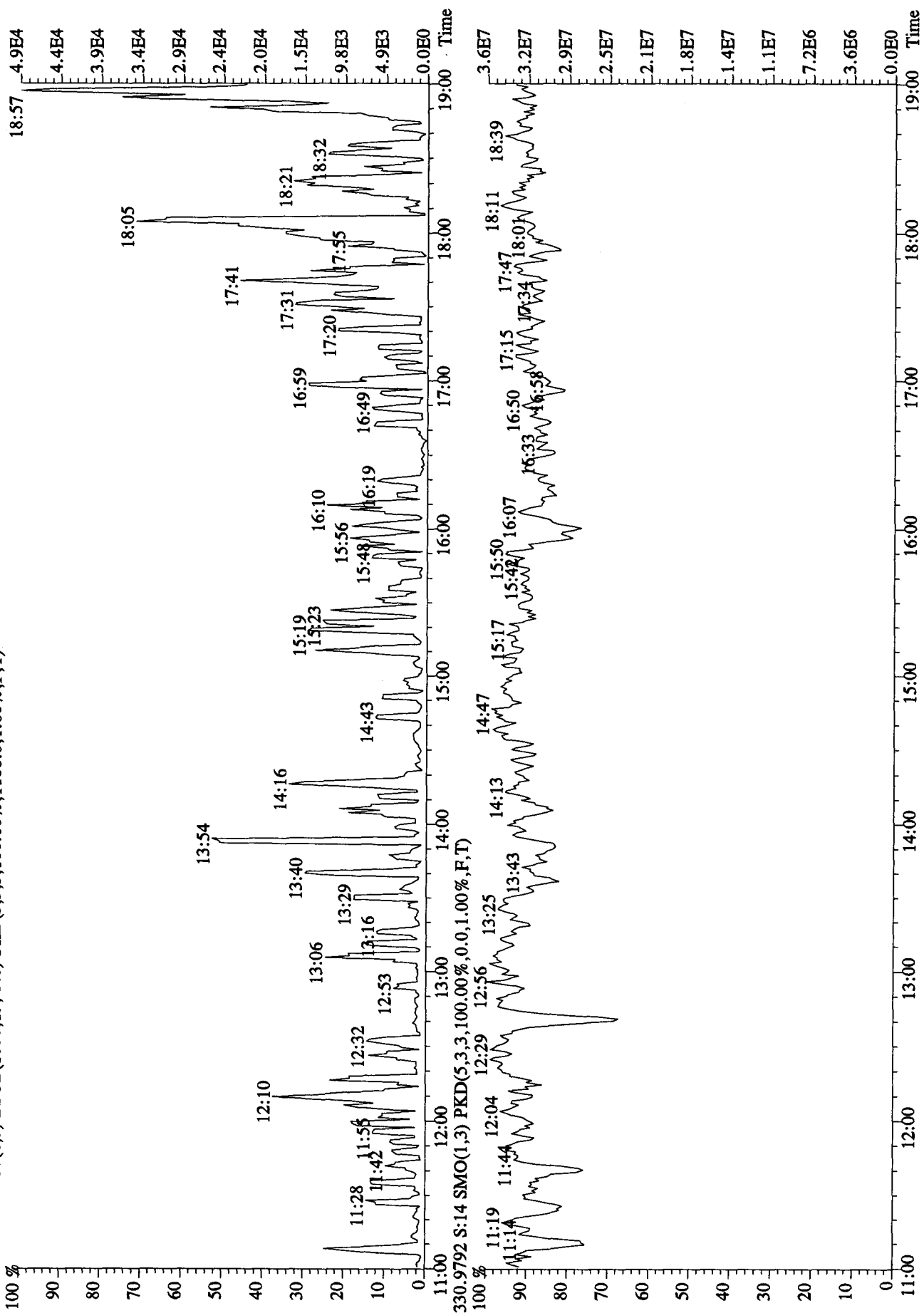


A3.05E7

A2.73E7



File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 06:07:19 GC EI+ Voltage SIR 70SE  
 Sample#14 Text:LRL8H-1-AC :G9L240493-1 Exp:DB225  
 375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1188.0,1.00%,F,T)



Quantify Sample Summary Report

MassLynx 4.1

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

Last Altered: Wednesday, January 06, 2010 09:51:55 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:53:06 Pacific Standard Time

Method: C:\MassLynx\Default.PROMethDB\82903D5.mdb 04 Jan 2010 09:44:45

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2, Task: *PK11810*

*0.5*  
*01-06-10*

#	Name	Trace	Sample Size	RT	Prd.RT	RRF M.L.	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	10.030	18.59	18.60	1.000	324543.13	99.7009	99.7009	100.0	0.2513	0.777	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	10.030	18.04	17.98	1.554	464857.22	91.8636	91.8636	46.1	0.2533	0.757	0.770	NO	
4	2,3,7,8-TCDF	303.9016	10.030	18.07	18.06	1.009	65264.62	27.7593	<del>27.7593</del> <i>PC</i>	<del>0.1756</del> <i>DBZL</i>	0.1756	0.776	0.770	NO	
5	Total TCDFs	303.9016	10.030		21.44	1.009	163.6682	163.6682	<del>163.2004</del>		<del>0.1756</del>				
6															
7	13C-2,3,7,8-TCDD	331.9368	10.030	18.78	18.79	0.937	286512.01	93.9818	93.9818	47.1	0.2684	0.760	0.770	NO	
8	2,3,7,8-TCDD	319.8965	10.030	18.80	18.80	1.132	1033.27	0.6355	0.6355		0.2767	0.796	0.770	NO	06-Jan-10
9	Total TCDDs	319.8965	10.030		19.55	1.132	17.8184	17.8184	<del>16.9309</del>		<del>0.2767</del>				
10															
11	37CL-2,3,7,8-TCDD	327.8847	10.030	18.80	18.80	1.137	194158.84	52.4593	0.0000	65.8	0.1122				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	10.030	23.40	23.39	1.215	351132.41	88.7564	88.7564	44.5	0.3848	1.576	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.030	23.42	23.42	1.031	47639.08	26.2453	26.2453		0.4793	1.524	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	10.030	24.84	24.83	0.964	24274.55	14.3000	14.3000		0.5125	1.736	1.550	NO	
16	Total F2 PeCDFs	339.8597	10.030		34.47	0.997	213.7523	213.7523	<del>210.4289</del>		<del>0.4954</del>				
17	Total F1 PeCDFs	339.8597	10.030		36.56	0.997	17.5635	17.5635	<del>17.5635</del>		<del>0.6969</del>				
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	10.030	25.59	25.57	0.747	219623.24	90.2764	90.2764	45.3	0.4092	1.724	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.030	25.63	25.61	1.057	1798.29	1.5451	0.9067	<del>3.8</del>	0.6560	3.345	1.550	YES	
21	Total PeCDDs	355.8546	10.030		31.10	1.057	19.7630	19.7630	18.4203		0.6560				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.030	32.65	32.61	1.000	293671.44	99.7009	99.7009	100.0	0.5227	1.365	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.030	31.30	31.31	0.916	229395.34	84.9832	84.9832	42.6	0.8659	0.508	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.030	31.32	31.31	1.243	88860.20	62.1515	62.1515		0.7253	1.243	1.240	NO	06-Jan-10
27	1,2,3,6,7,8-HxCDF	373.8208	10.030	31.46	31.45	1.496	70514.18	40.9655	40.9655		0.6025	1.259	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	10.030	32.10	32.11	1.311	14000.80	9.2821	9.2821		0.6875	1.305	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.030	32.84	32.85	1.291	10859.33	7.3119	7.3119		0.6982	1.150	1.240	NO	
30	Total HxCDFs	373.8208	10.030		0.00	1.335	284.1056	284.1056	<del>283.4619</del>		<del>0.6751</del>				
31															

MassLynx 4.1

Quantify Sample Summary Report

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

Last Altered: Wednesday, January 06, 2010 09:51:55 Pacific Standard Time  
 Printed: Wednesday, January 06, 2010 09:53:06 Pacific Standard Time

*LPK 1/18/10*

Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2, Task:

#	Name	Trace	Sample Size	RT	Pro. RT RRF M.L.	Abs. Resp	Conc.	EMPC	%Rec	EDI	Ratio	Prod. Ratio	Ratio	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	10.030	32.35	32.37	0.809	229163.44	96.1462	48.2	0.6459	1.353	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	10.030	32.28	32.26	0.933	1627.74	1.5187	3	0.5719	1.063	1.240	NO	06-Jan-10
34	1,2,3,6,7,8-HxCDD	389.8157	10.030	32.36	32.36	1.180	4679.04	3.4496	6	0.4519	0.981	1.240	YES	06-Jan-10
35	1,2,3,7,8,9-HxCDD	389.8157	10.030	32.65	32.64	1.283	3985.73	2.7035	3, 9	0.4158	0.829	1.240	YES	06-Jan-10
36	Total HxCDDs	389.8157	10.030		0.00	1.132	19.9232	18.2645		0.4772				
37														
38	13C-1,2,3,4,6,7,8-HpCDD	417.8253	10.030	34.19	34.19	0.811	177296.86	74.2375	37.2	0.9972	0.452	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	10.030	34.20	34.20	1.364	184740.61	152.3407		0.5455	1.034	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	10.030	35.32	35.32	1.115	72854.76	73.4981		0.6674	0.998	1.040	NO	
41	Total HpCDFs	407.7818	10.030		0.00	1.239	325.5915			0.6004				
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.030	34.99	35.01	0.707	174383.52	83.6872	42.0	1.3953	1.037	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	10.030	35.02	34.99	1.043	8710.16	9.5481		0.4696	1.024	1.040	NO	
45	Total HpCDDs	423.7766	10.030		0.02	1.043	14.1689	14.1689		0.4696				
46														
47	13C-OCDD	469.7779	10.030	37.45	37.45	0.519	157112.71	102.8140	25.8	1.1592	0.932	0.890	NO	
48	OCDF	441.7428	10.030	37.56	37.57	1.402	282432.98	511.3002		2.0015	0.892	0.890	NO	06-Jan-10
49	OCDD	457.7377	10.030	37.46	37.46	1.197	6056.83	12.8450		0.6874	0.969	0.890	NO	06-Jan-10
50														
51														
52	Function 1 PFK	330.97920	1.000		14.26									
53	Function 2 PFK	342.97920	1.000		22.48	16743...				0.0000				
54	Function 3 PFK	380.97600	1.000		29.28	7909.2...				0.0000				
55	Function 4 PFK	430.97290	1.000	34.75	34.81	14980...	2755.17	0.1839	18.4	0.4678				
56	Function 5 PFK	442.97280	1.000		39.31	3947.9...				0.0000				
57	TCDF PCDDPE	375.8364	1.000	14.93	15.01	30.012	23.84	0.7945	79.4	0.2630				
58	F1 PeCDF PCDDPE	409.79740	1.000	18.77	18.68	45.972	98.16	2.1352	213.5	3.5181				
59	F2 PeCDF PCDDPE	409.7974	1.000	22.17	22.10	17.774	48.38	2.7217	272.2	6.2120				
60	HxCDF PCDDPE	445.7555	1.000	32.94	33.02	18.611	846.80	45.4999	455...	35.7858				
61	HPCDF PCDDPE	479.7165	1.000		35.33	75.501				0.0000				
62	OCDF PCDDPE	513.67750	1.000		37.54	85.061				0.0000				



Quantify Compound Report MassLynx 4.1

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

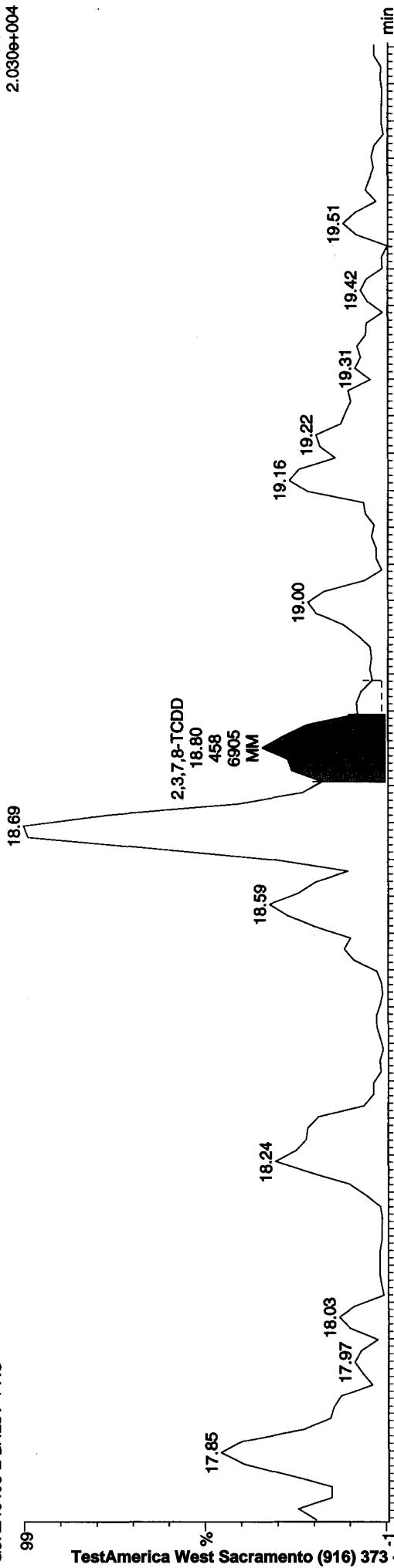
Last Altered: Wednesday, January 06, 2010 09:44:31 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:44:49 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Sample Name: 04JA10A3D5\_6

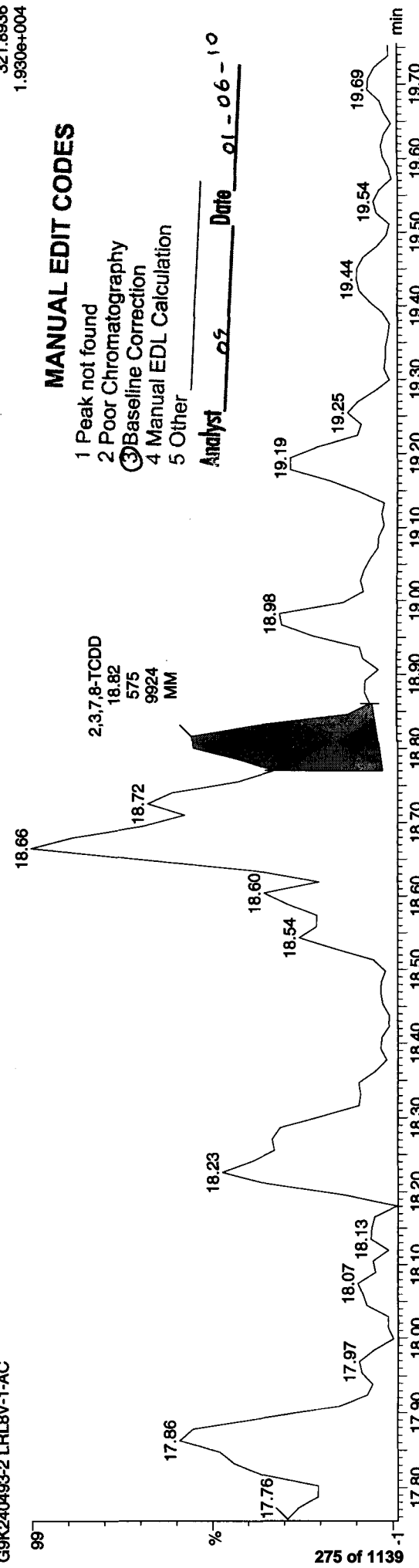
04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRLBV-1-AC

F1: Voltage SIR, EI+  
319.8965  
2.030e+004



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRLBV-1-AC

F1: Voltage SIR, EI+  
321.8936  
1.930e+004



MANUAL EDIT CODES

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

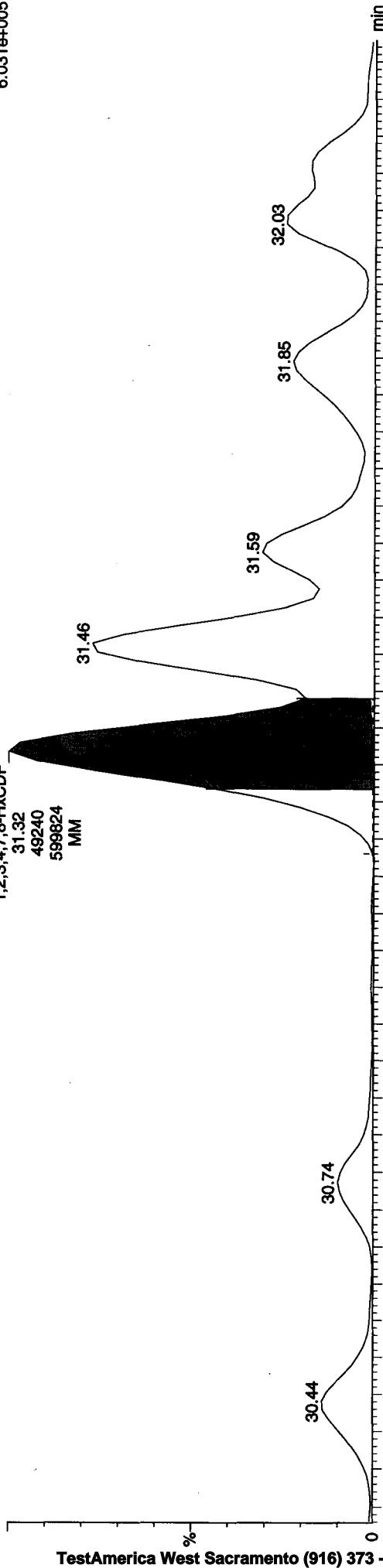
Analyst cs Date 01-06-10

Quantify Compound Report MassLynx 4.1

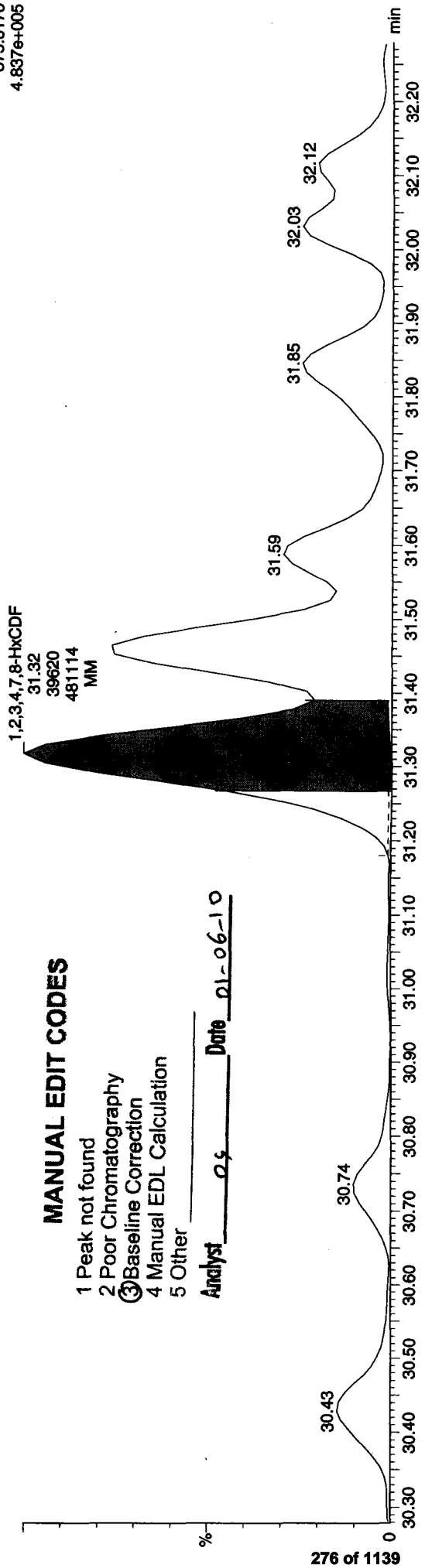
Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld  
Last Altered: Wednesday, January 06, 2010 09:20:01 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:21:34 Pacific Standard Time

Method: C:\MassLynx\Default.PROMeth\DB\82903D5.mdb 04 Jan 2010 09:44:45  
Calibration: C:\MassLynx\Default.PRO\Curve\B\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Sample Name: 04JA10A3D5\_6  
04JA10A3D5\_6 Smooth(SG,2x3)  
G9K240493-2 LRL8V-1-AC  
F3:Voltage SIR,EI+  
373.8208  
6.031e+005



F3:Voltage SIR,EI+  
375.8178  
4.837e+005



MANUAL EDIT CODES

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

Analyst CS Date 01-06-10

Quantify Compound Report MassLynx 4.1

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

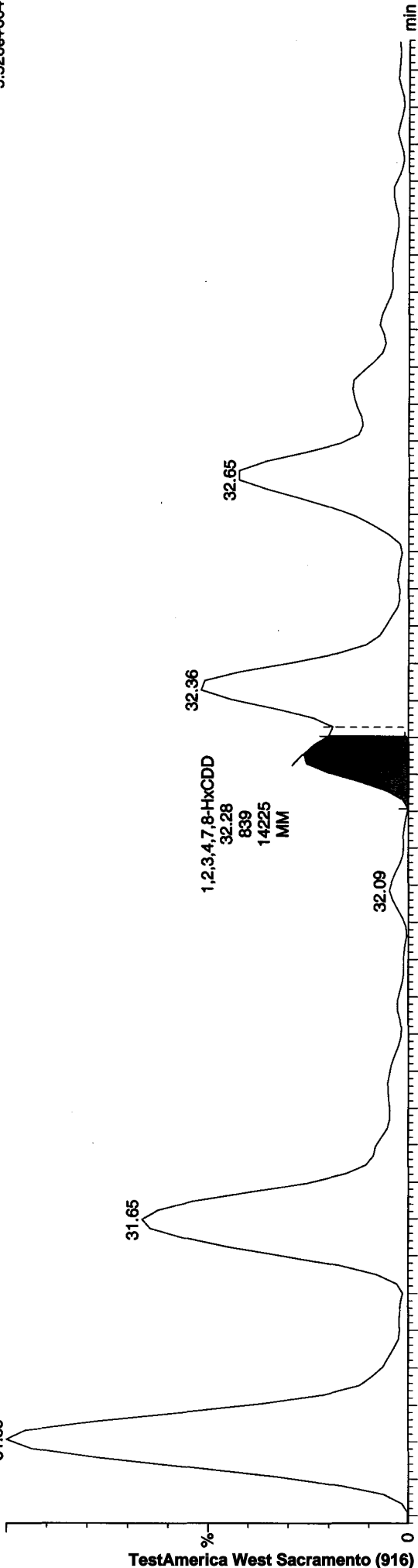
Last Altered: Wednesday, January 06, 2010 09:20:01 Pacific Standard Time

Printed: Wednesday, January 06, 2010 09:21:34 Pacific Standard Time

Sample Name: 04JA10A3D5\_6

04JA10A3D5\_6 Smooth(SG,2x3)  
G9K240493-2 LRL8V-1-AC

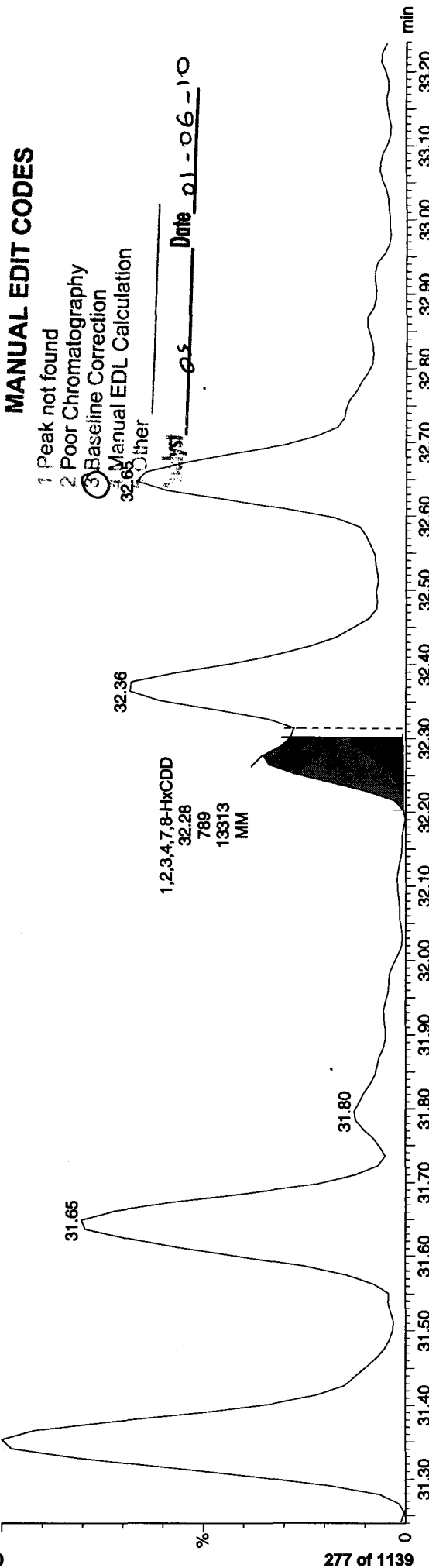
F3:Voltage SIR,EI+  
389.8157  
5.526e+004



TestAmerica West Sacramento (916) 373-6600

F3:Voltage SIR,EI+  
391.8127  
3.868e+004

04JA10A3D5\_6 Smooth(SG,2x3)  
G9K240493-2 LRL8V-1-AC



277 of 1139

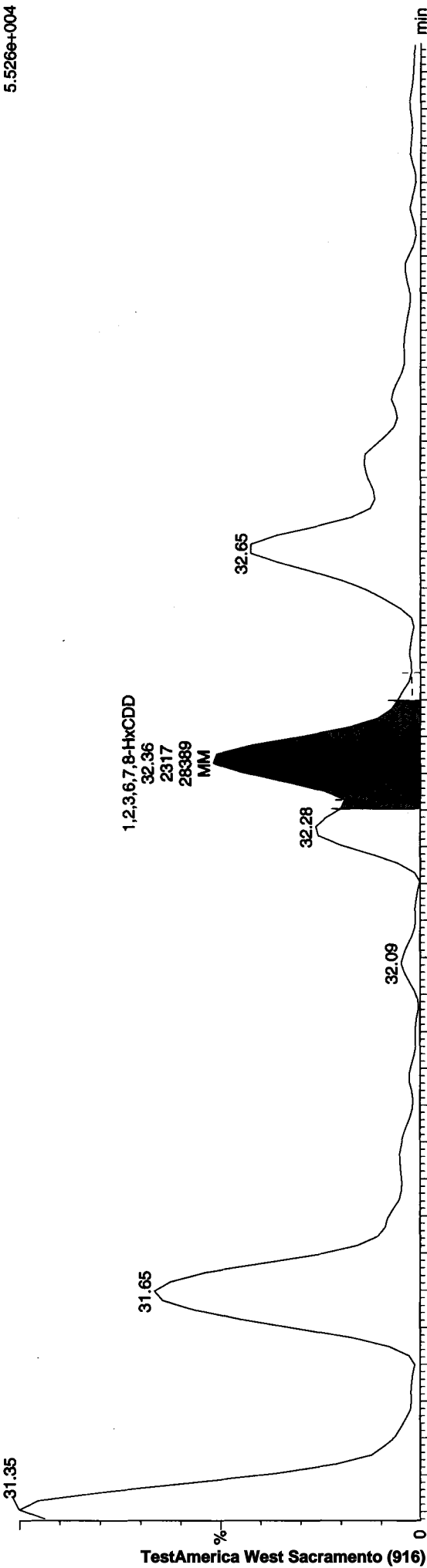
Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

Last Altered: Wednesday, January 06, 2010 09:20:01 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:21:34 Pacific Standard Time

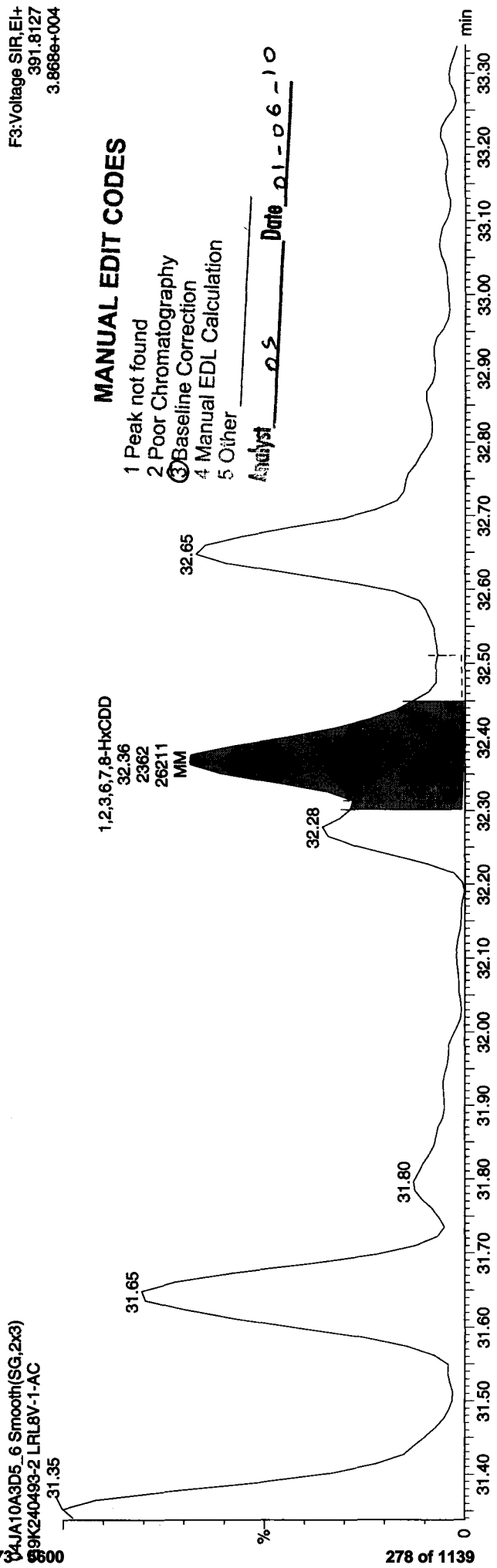
Sample Name: 04JA10A3D5\_6

04JA10A3D5\_6 Smooth(SG,2x3)  
G9K240493-2 LRL8V-1-AC

F3:Voltage SIR,EI+  
399.8157  
5.526e+004



F3:Voltage SIR,EI+  
391.8127  
3.868e+004



MANUAL EDIT CODES

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

Analyst DS Date 01-06-10

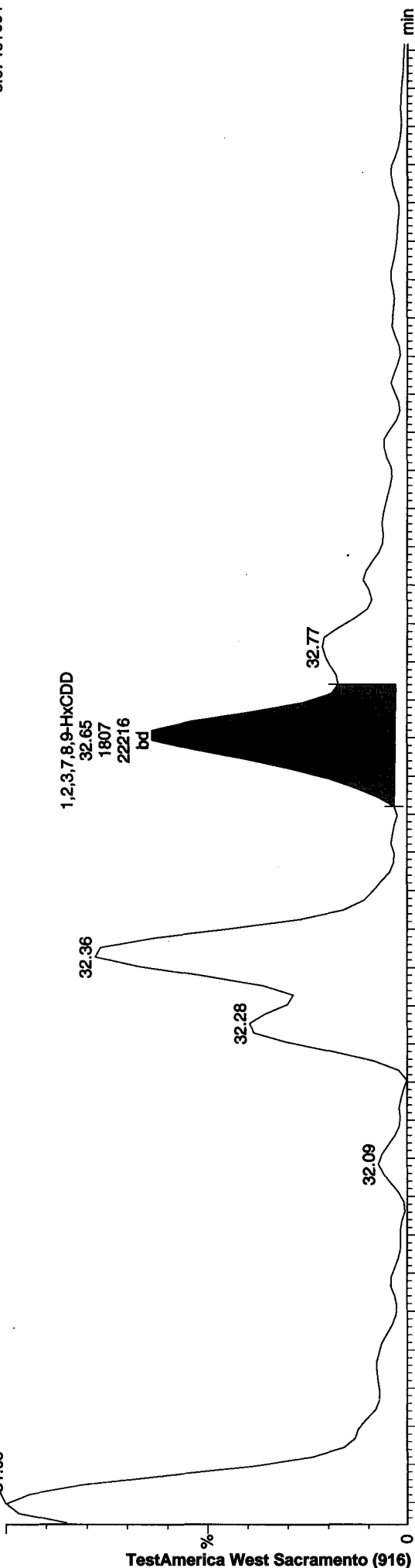
Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

Last Altered: Wednesday, January 06, 2010 09:20:01 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:21:34 Pacific Standard Time

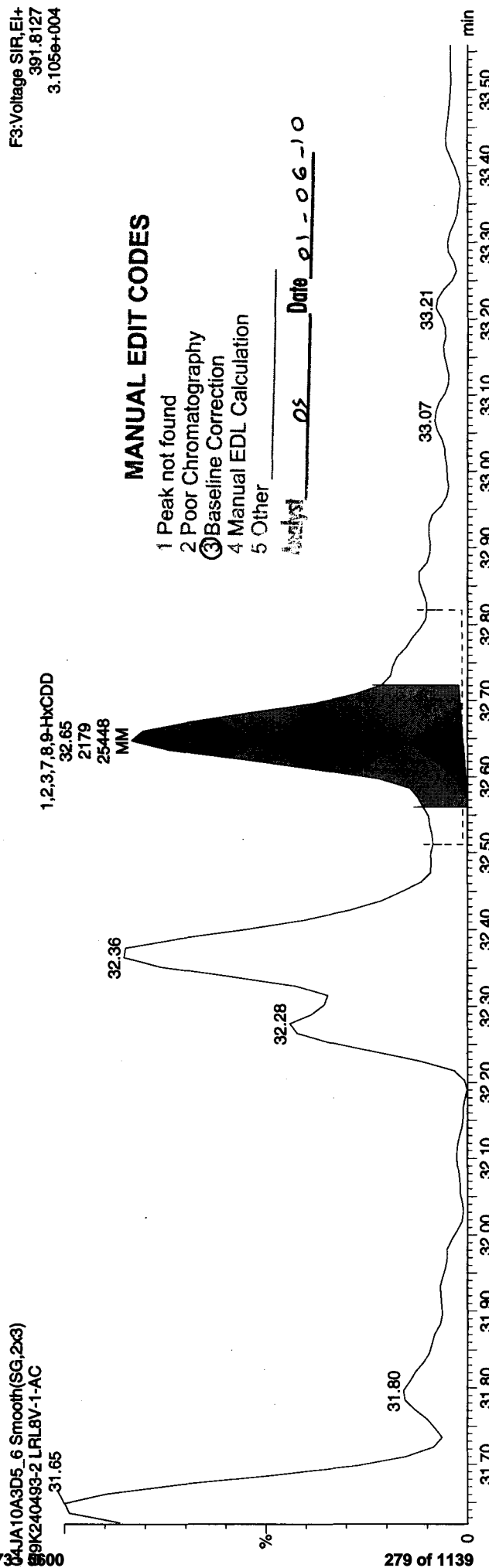
Sample Name: 04JA10A3D5\_6

04JA10A3D5\_6 Smooth(SG,2x3)  
G9K240493-2 LRL8V-1-AC

F3:Voltage SIR,EI+  
389.8157  
3.674e+004



F3:Voltage SIR,EI+  
391.8127  
3.105e+004



MANUAL EDIT CODES

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

Analyst DS Date 01-06-10

Quantify Compound Report MassLynx 4.1

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld

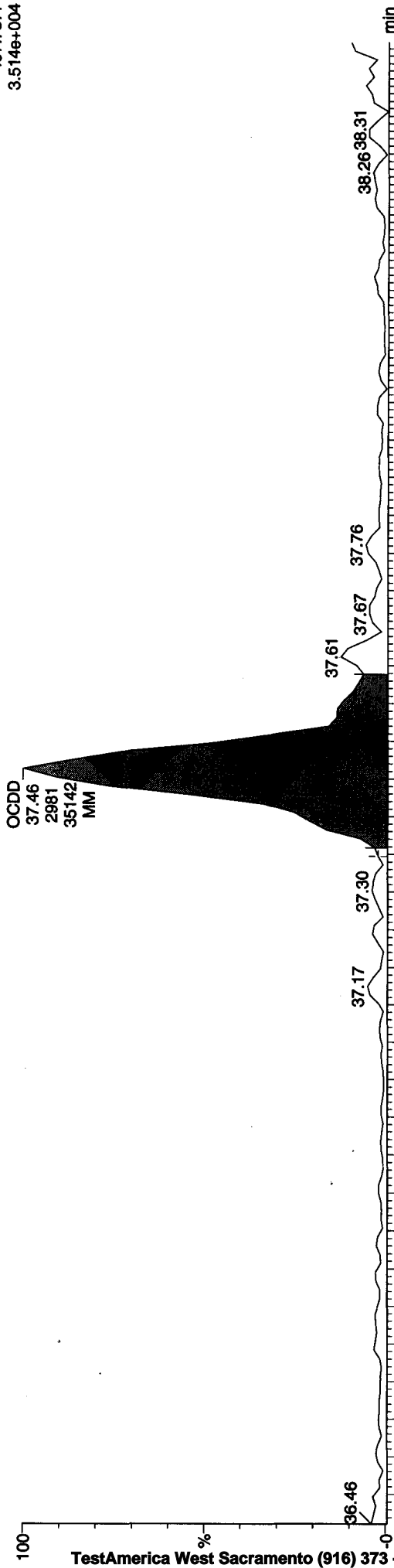
Last Altered: Wednesday, January 06, 2010 09:49:51 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:50:42 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45  
Calibration: C:\MassLynx\Default.PRO\CurveDB\CA123120093D58290.cdb 31 Dec 2009 13:37:23

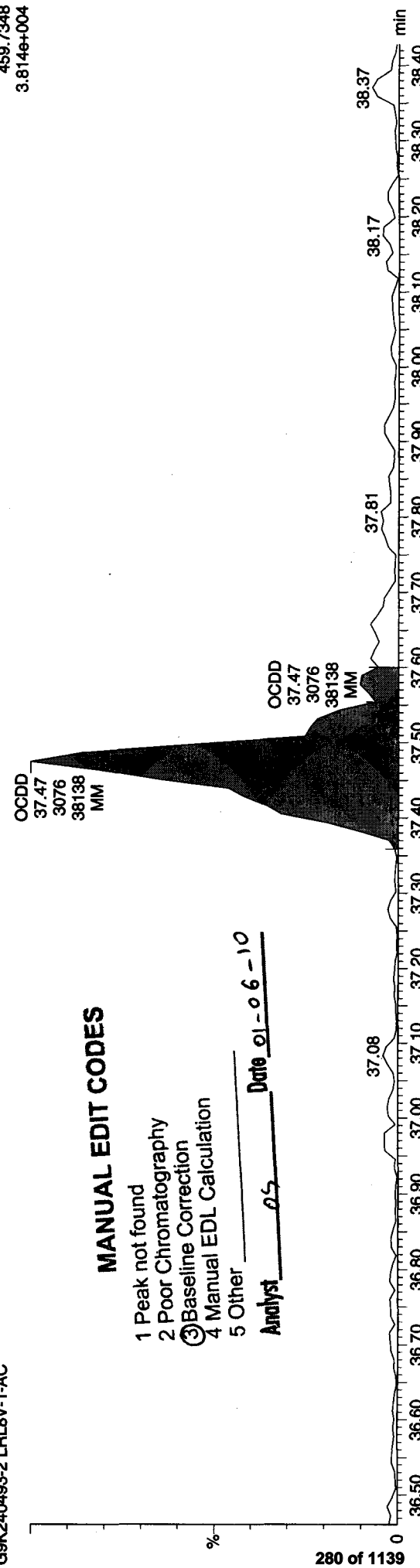
Sample Name: 04JA10A3D5\_6

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC

F5:Voltage SIR,EI+  
457.7377  
3.514e+004



F5:Voltage SIR,EI+  
459.7348  
3.814e+004



MANUAL EDIT CODES

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

Analyst DS Date 01-06-10

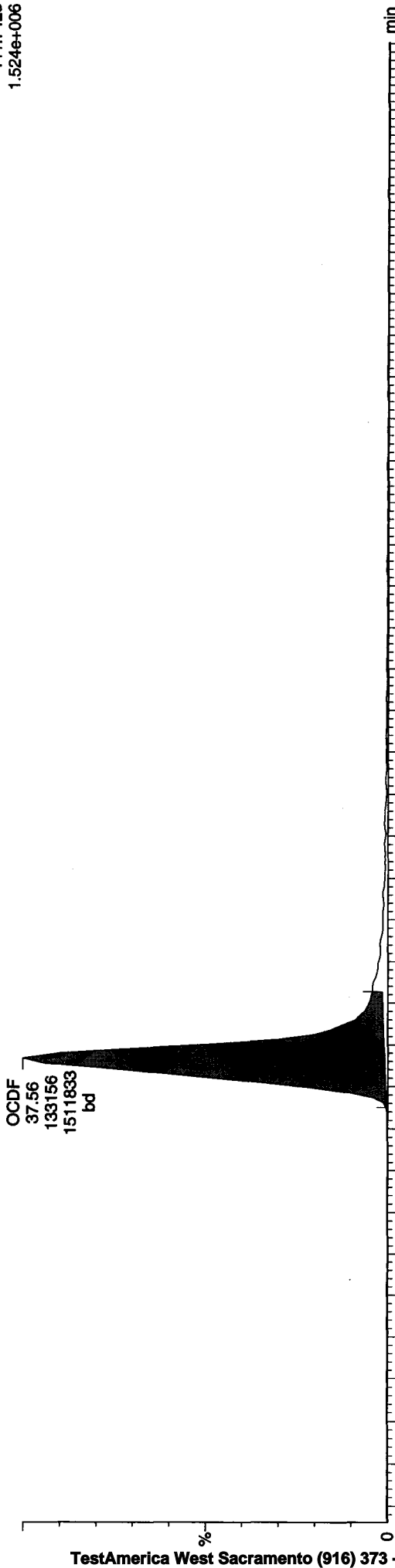
Quantify Compound Report MassLynx 4.1

Dataset: Z:\HighRes\_Archive\3D5\Default.pro\04JA10A3D58290AOS.qld  
Last Altered: Wednesday, January 06, 2010 09:51:55 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 09:52:44 Pacific Standard Time

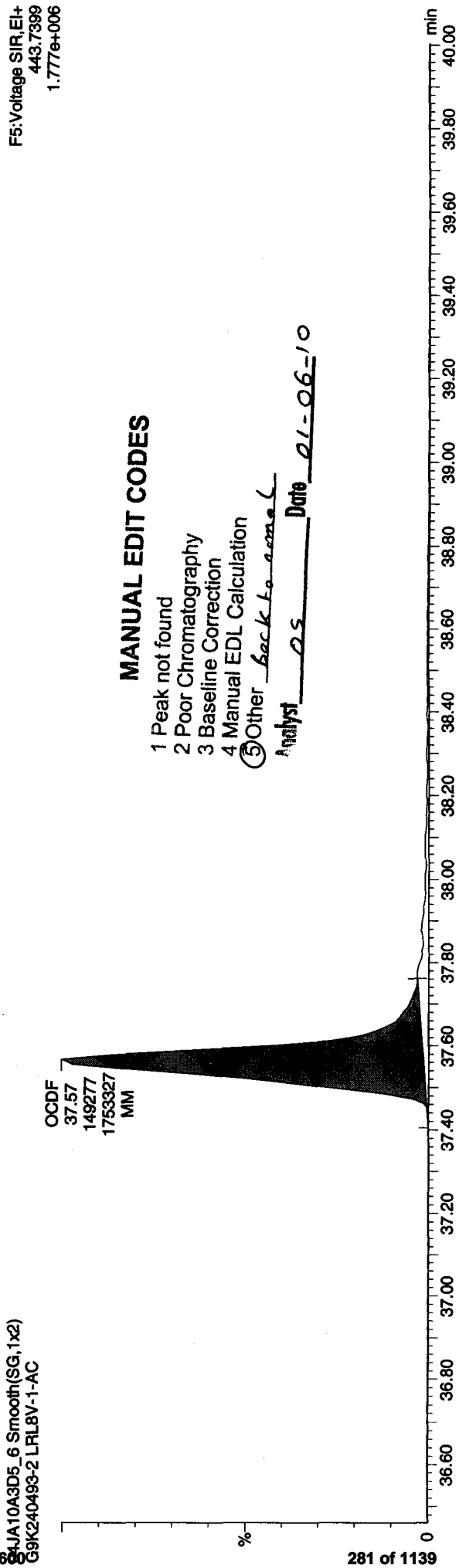
Method: C:\MassLynx\Default.PROMethDB\82903D5.mdb 04 Jan 2010 09:44:45  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Sample Name: 04JA10A3D5\_6  
04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRLBV-1-AC

F5: Voltage SIR, EI+  
441.7428  
1.524e+006



F5: Voltage SIR, EI+  
443.7399  
1.777e+006



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 12:38:35 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 12:40:41 Pacific Standard Time

Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2, Task:

Sample No.	Chemical Name	331.9368	10.030	18.59	18.60	1.000	324543.13	99.7009	100.0	0.2513	0.777	0.770	NO
1	13C-1,2,3,4-TCDD	331.9368	10.030	18.59	18.60	1.000	324543.13	99.7009	100.0	0.2513	0.777	0.770	NO
2													
3	13C-2,3,7,8-TCDF	315.9419	10.030	18.04	17.98	1.554	464657.22	91.8636	46.1	0.2533	0.757	0.770	NO
4	2,3,7,8-TCDF	303.9016	10.030	18.07	18.06	1.009	65264.62	27.7593		0.1756	0.776	0.770	NO
5	Total TCDFs	303.9016	10.030	21.44	21.44	1.009	166.7064	165.2476		0.1756			
6													
7	13C-2,3,7,8-TCDD	331.9368	10.030	18.79	18.79	0.937	286512.01	93.9818	47.1	0.2684	0.760	0.770	NO
8	2,3,7,8-TCDD	319.8965	10.030	18.80	18.80	1.132	987.72	0.6075		0.2767	1.001	0.770	YES
9	Total TCDDs	319.8965	10.030	19.55	19.55	1.132	17.7904	16.8328		0.2767			
10													
11	37CL-2,3,7,8-TCDD	327.8847	10.030	18.80	18.80	1.137	194158.84	52.4593	65.8	0.1122			
12													
13	13C-1,2,3,7,8-PeCDF	351.9000	10.030	23.40	23.39	1.215	351132.41	88.7564	44.5	0.3848	1.576	1.550	NO
14	1,2,3,7,8-PeCDF	339.8597	10.030	23.42	23.42	1.031	47639.08	26.2453		0.4793	1.524	1.550	NO
15	2,3,4,7,8-PeCDF	339.8597	10.030	24.84	24.83	0.964	24274.55	14.3000		0.5125	1.736	1.550	NO
16	Total F2 PeCDFs	339.8597	10.030	34.47	34.47	0.997	213.7523	210.4283		0.4954			
17	Total F1 PeCDFs	339.8597	10.030	36.56	36.56	0.997	17.5635	17.5635		0.3969			
18													
19	13C-1,2,3,7,8-PeCDD	367.8949	10.030	25.59	25.57	0.747	219623.24	90.2764	45.3	0.4092	1.724	1.550	NO
20	1,2,3,7,8-PeCDD	355.8546	10.030	25.63	25.61	1.057	1798.29	1.5451		0.6560	3.345	1.550	YES
21	Total PeCDDs	355.8546	10.030	31.10	31.10	1.057	19.7630	18.4203		0.6560			
22													
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.030	32.65	32.61	1.000	293671.44	99.7009	100.0	0.5227	1.365	1.240	NO
24													
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.030	31.30	31.31	0.916	229395.34	84.9832	42.6	0.8659	0.508	0.510	NO
26	1,2,3,4,7,8-HxCDF	373.8208	10.030	31.32	31.31	1.243	101526.13	71.0104		0.7253	1.245	1.240	NO
27	1,2,3,6,7,8-HxCDF	373.8208	10.030	31.46	31.45	1.496	70514.18	40.9655		0.6025	1.259	1.240	NO
28	2,3,4,6,7,8-HxCDF	373.8208	10.030	32.10	32.11	1.311	14000.80	9.2821		0.6875	1.305	1.240	NO
29	1,2,3,7,8,9-HxCDF	373.8208	10.030	32.84	32.85	1.291	10859.33	7.3119		0.6982	1.150	1.240	NO
30	Total HxCDFs	373.8208	10.030	0.00	0.00	1.335	292.9645	292.3208		0.6751			
31													
32	13C-1,2,3,6,7,8-HxCDD	401.8559	10.030	32.35	32.37	0.809	229163.44	96.1462	48.2	0.6459	1.353	1.240	NO
33	1,2,3,4,7,8-HxCDD	389.8157	10.030	32.28	32.26	0.933	1872.40	1.7470		0.5719	1.021	1.240	YES
34	1,2,3,6,7,8-HxCDD	389.8157	10.030	32.36	32.36	1.180	4503.69	3.3203		0.4519	0.890	1.240	YES
35	1,2,3,7,8,9-HxCDD	389.8157	10.030	32.65	32.64	1.283	4521.65	3.0670		0.4158	0.666	1.240	YES





Quantify Sample Report MassLynx 4.1

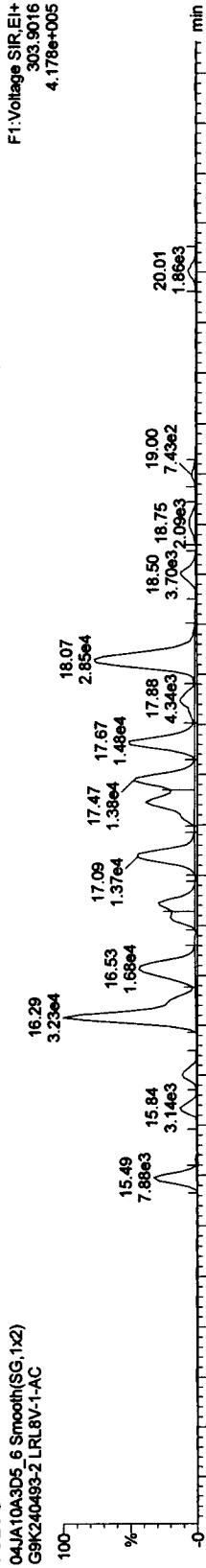
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Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

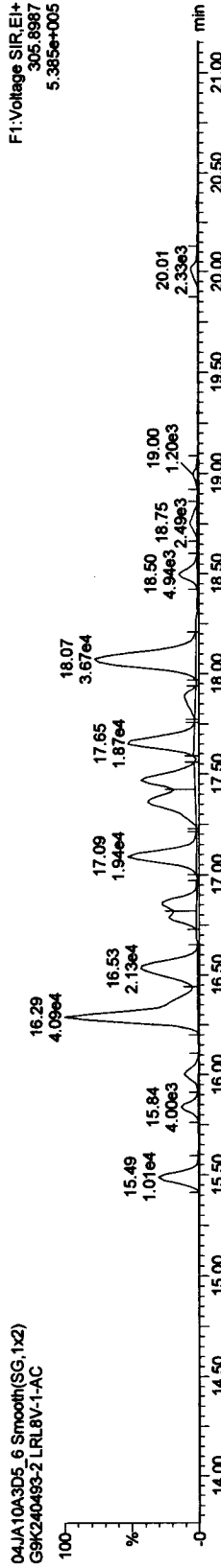
Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2

TCDFS

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G9K240493-2 LRL8V-1-AC

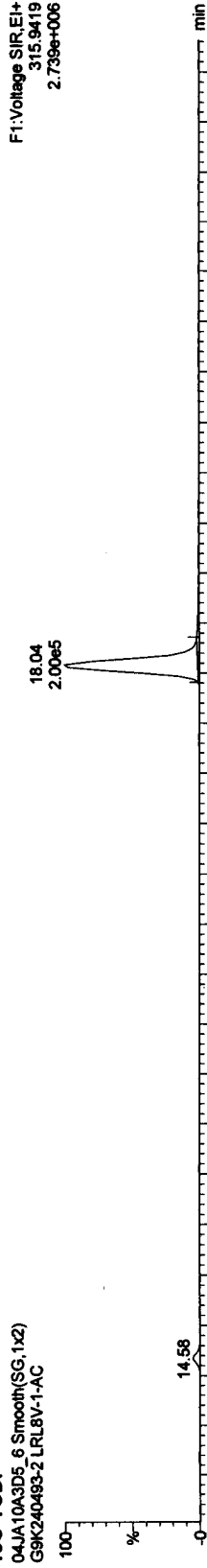


04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC

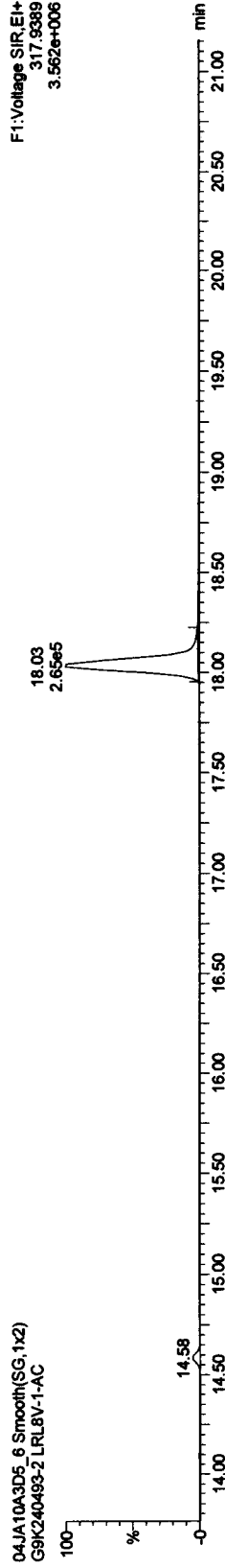


13C-TCDF

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

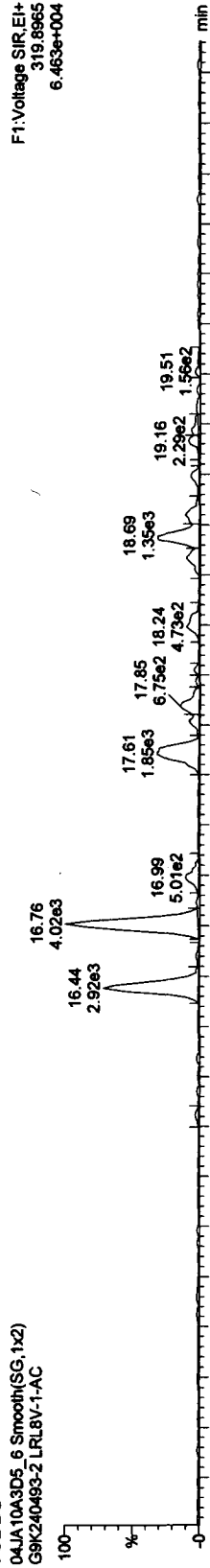
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Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

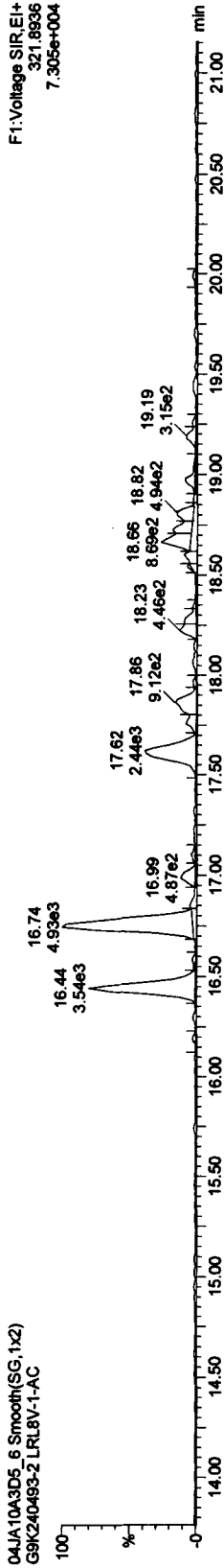
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TCDDs

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G9K240493-2 LRL8V-1-AC

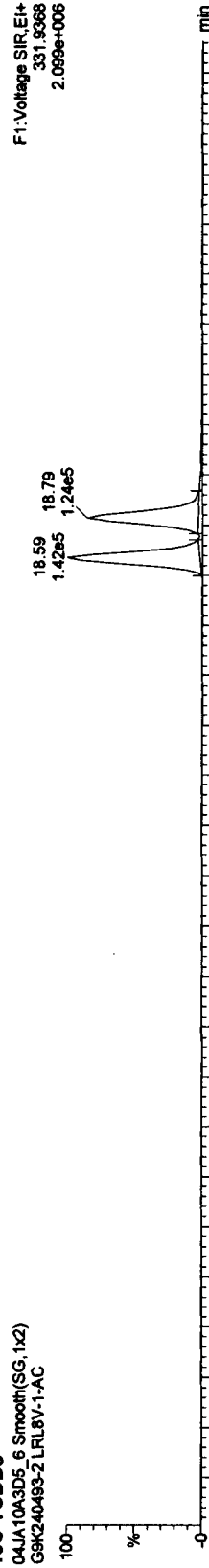


04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



13C-TCDDs

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

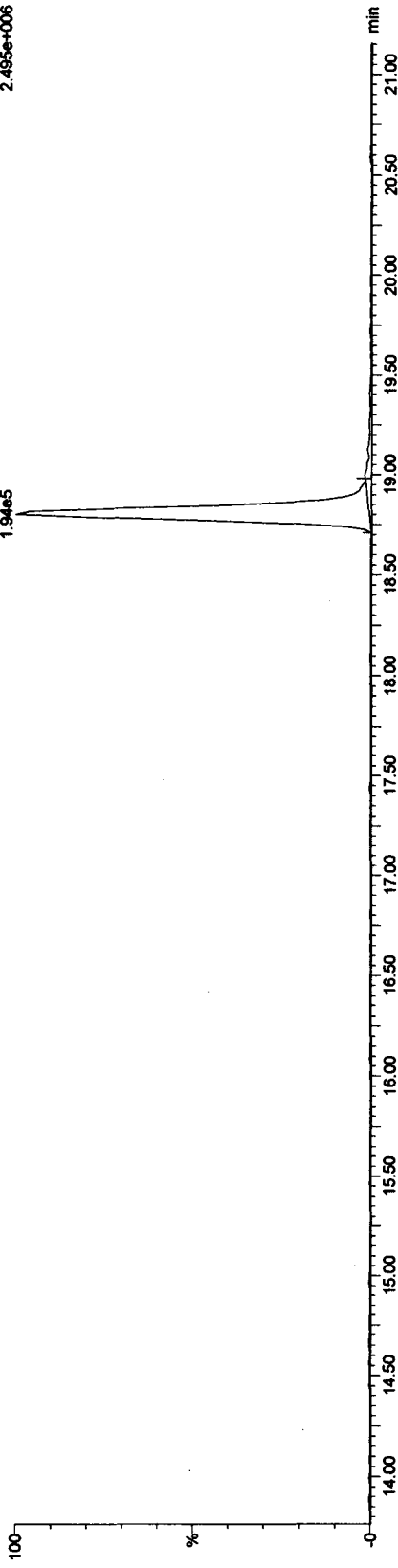
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37CL-2,3,7,8-TCDD

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G9K240493-2 LRL8V-1-AC

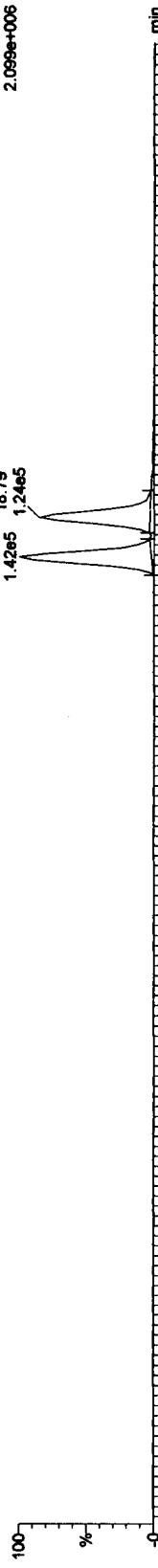
F1:Voltage SIR,EI+  
327.8647  
2.495e+006



13C-TCDDs

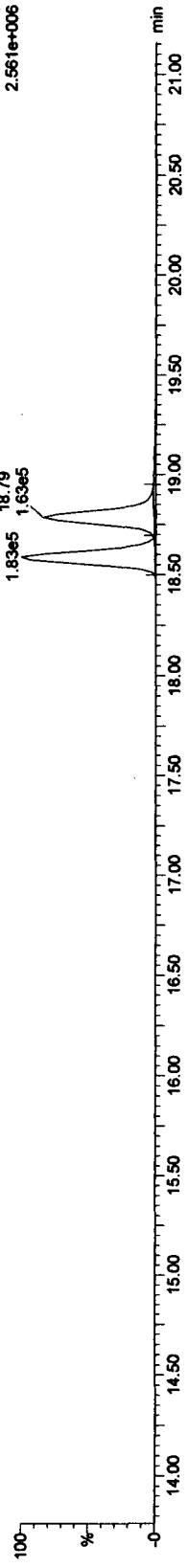
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G9K240493-2 LRL8V-1-AC

F1:Voltage SIR,EI+  
331.9368  
2.099e+006



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC

F1:Voltage SIR,EI+  
333.9339  
2.561e+006



Quantify Sample Report MassLynx 4.1

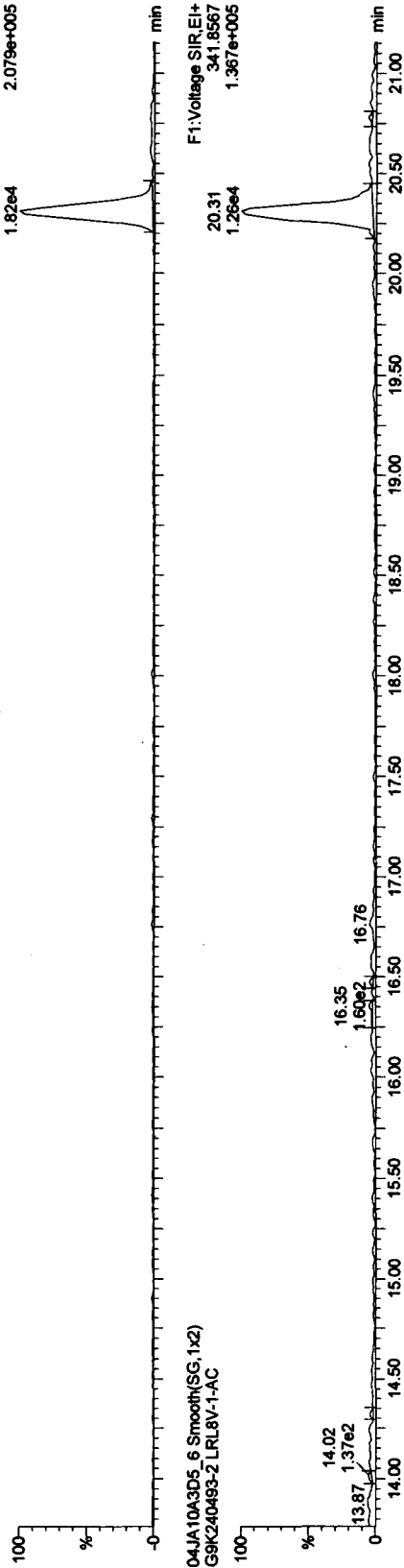
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Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

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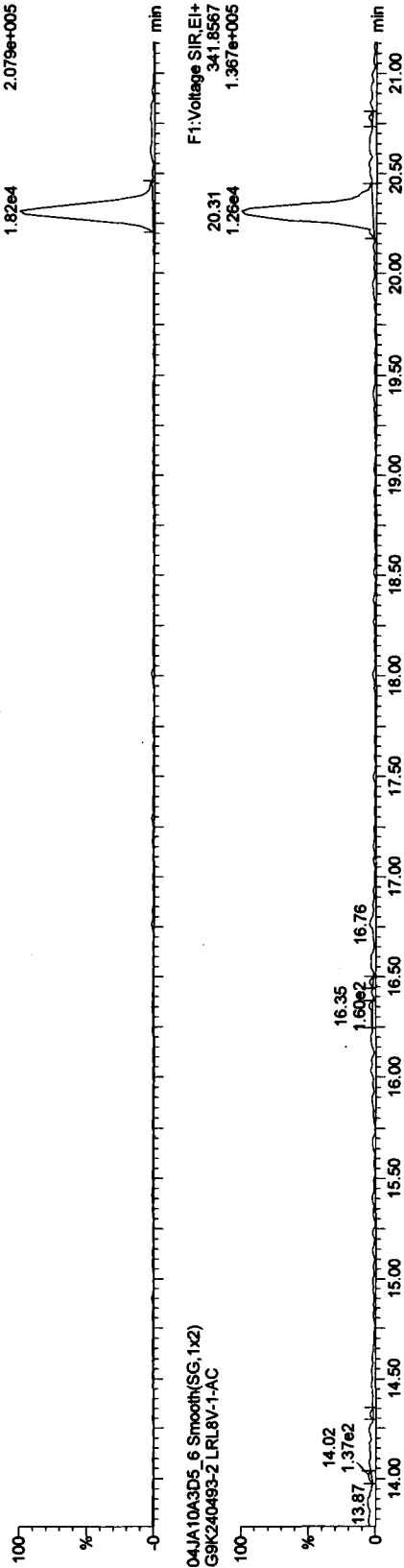
F1 PeCDFs

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



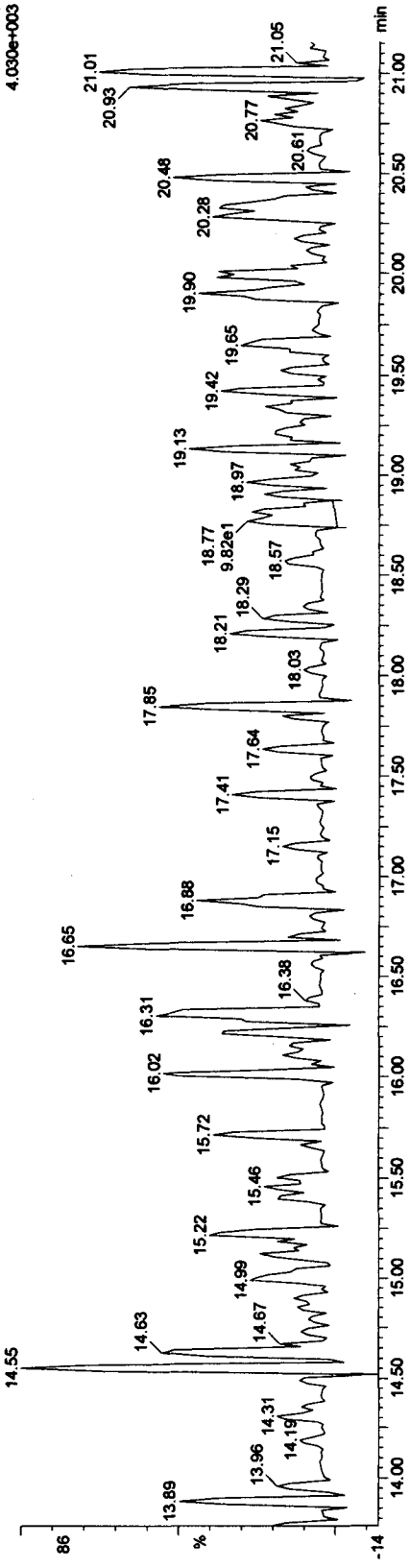
F1 PeCDF PCDE

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



F1 PeCDF PCDE

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

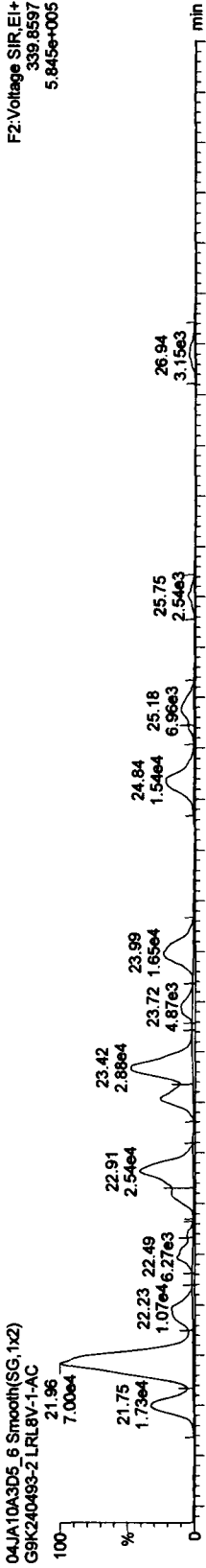
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Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

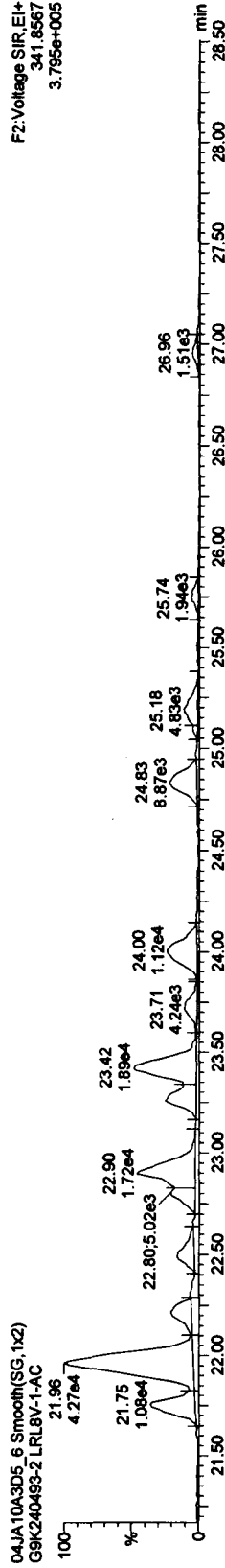
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PeCDFs

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G9K240493-2 LRL8V-1-AC

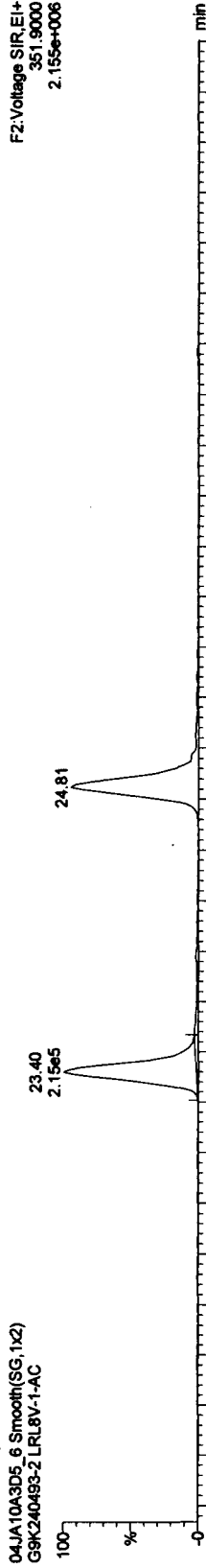


04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC

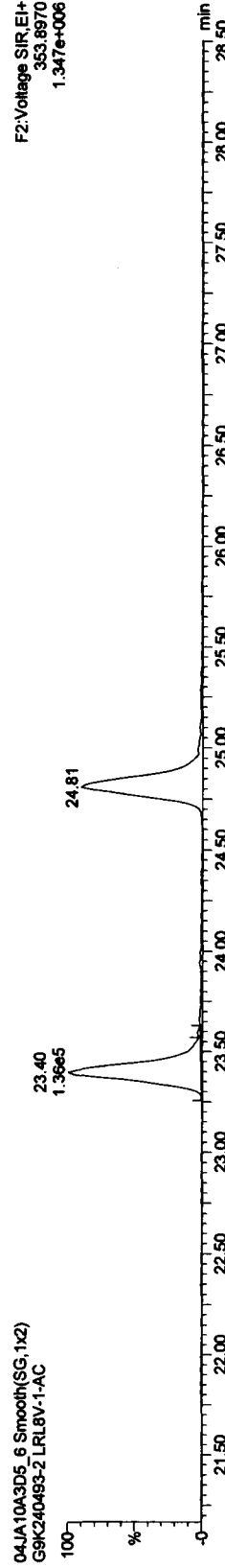


13C-PeCDFs

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



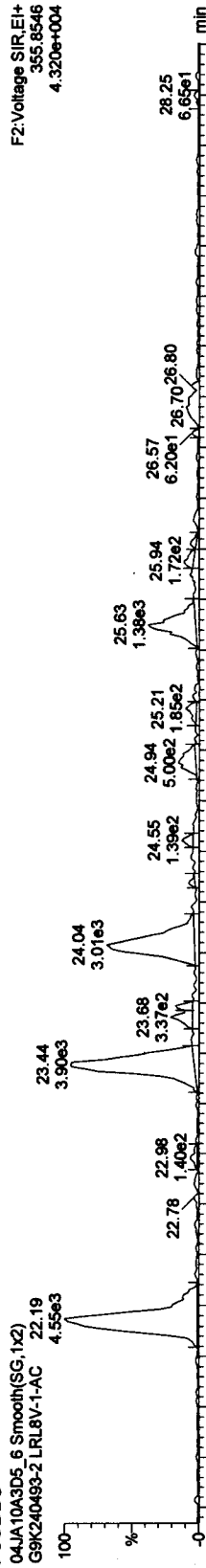
Quantify Sample Report MassLynx 4.1

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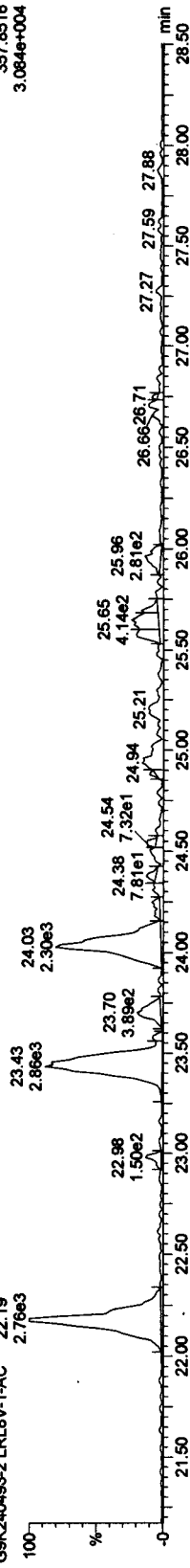
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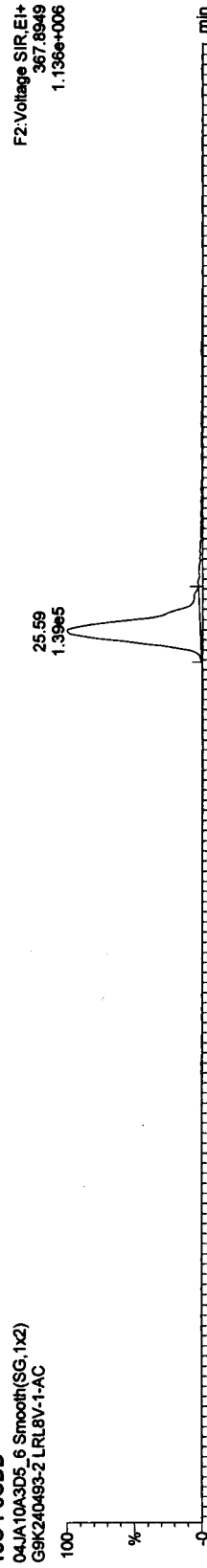
PeCDDs



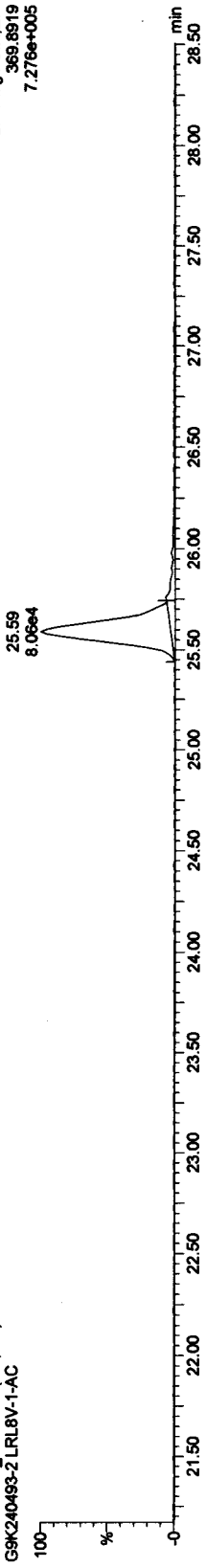
04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC 22.19 2.76e3



13C-PeCDD



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

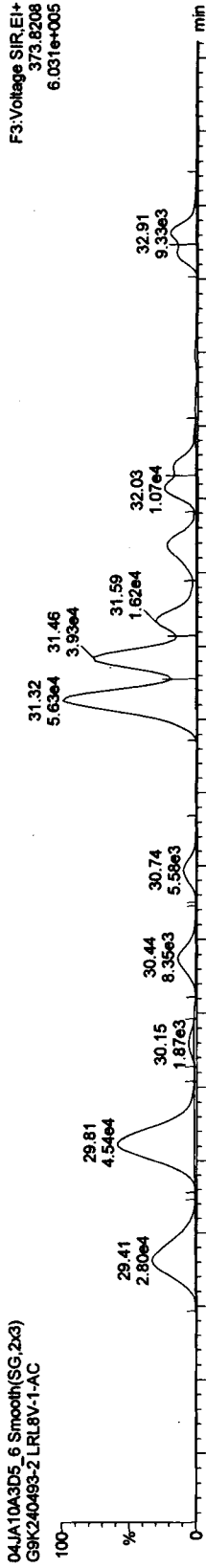
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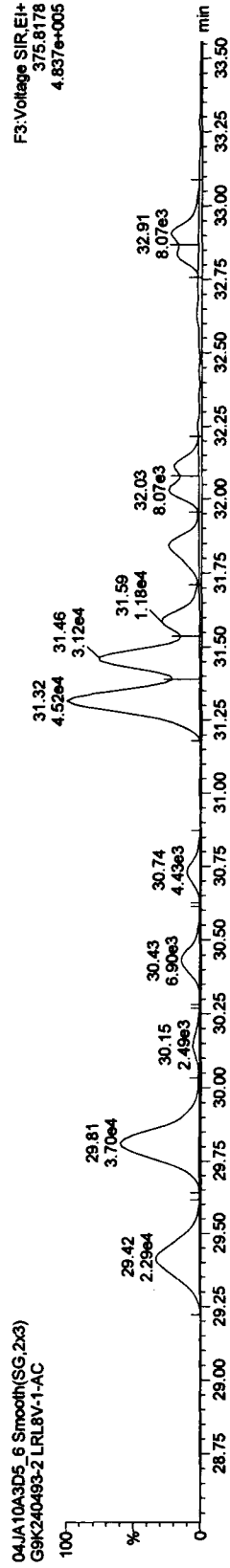
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HXCDFs

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 G9K240493-2 LRL8V-1-AC

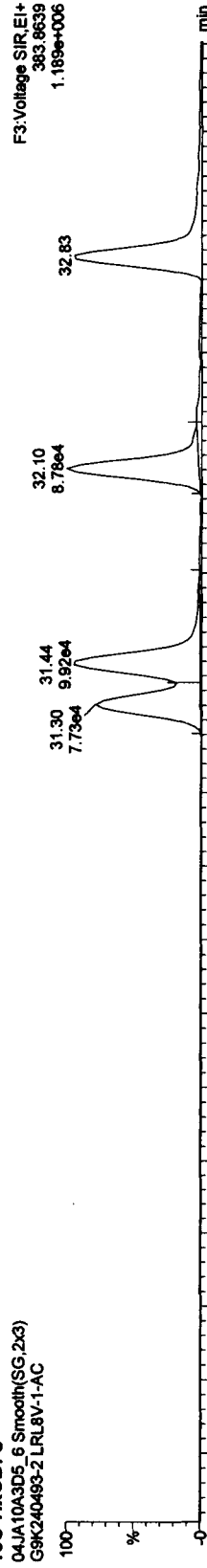


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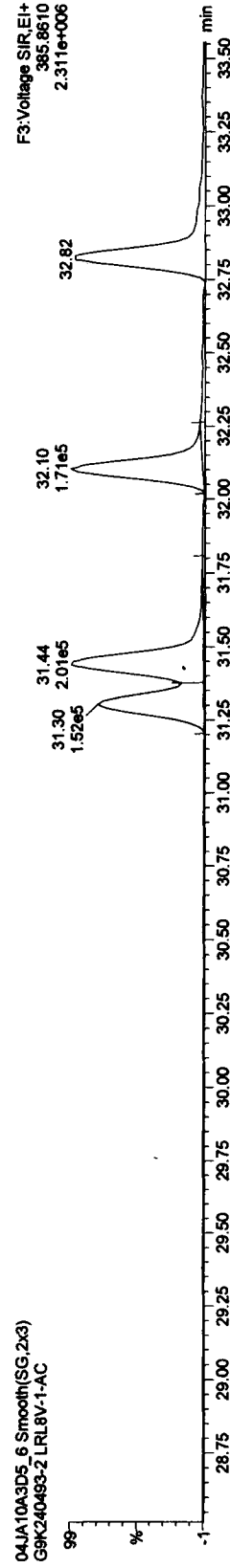


13C-HXCDFs

04JA10A3D5\_6 Smooth(SG,2x3)  
 G9K240493-2 LRL8V-1-AC



04JA10A3D5\_6 Smooth(SG,2x3)  
 G9K240493-2 LRL8V-1-AC





Quantify Sample Report MassLynx 4.1

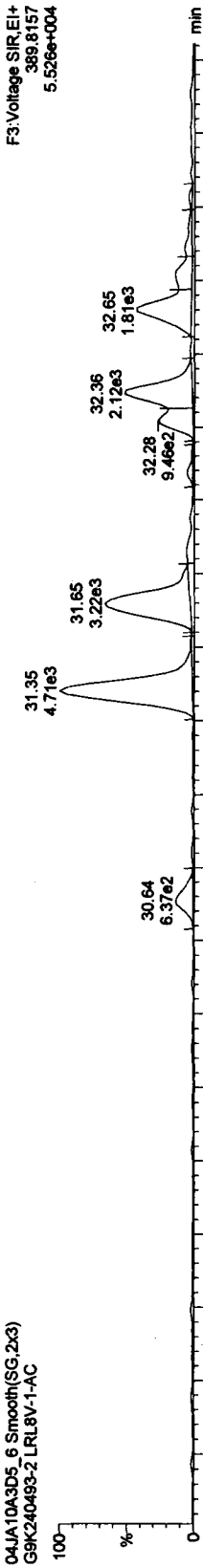
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Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

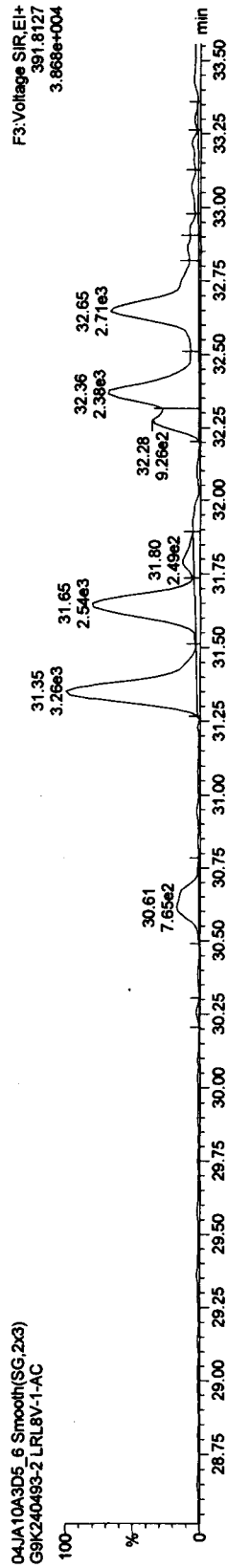
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HxCDDs

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G9K240493-2 LRL8V-1-AC

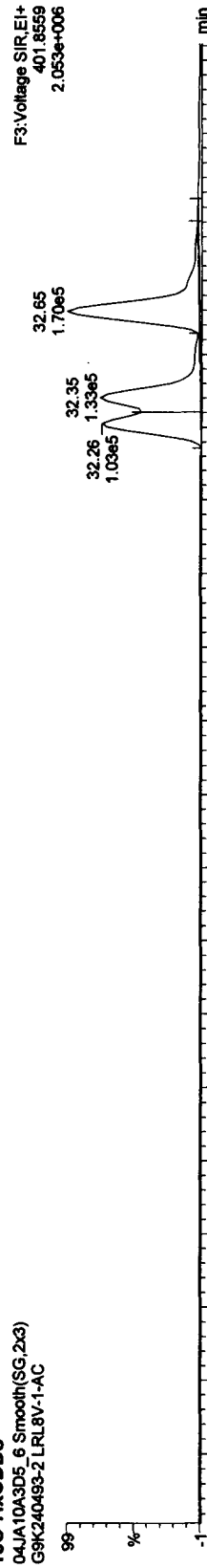


04JA10A3D5\_6 Smooth(SG,2x3)  
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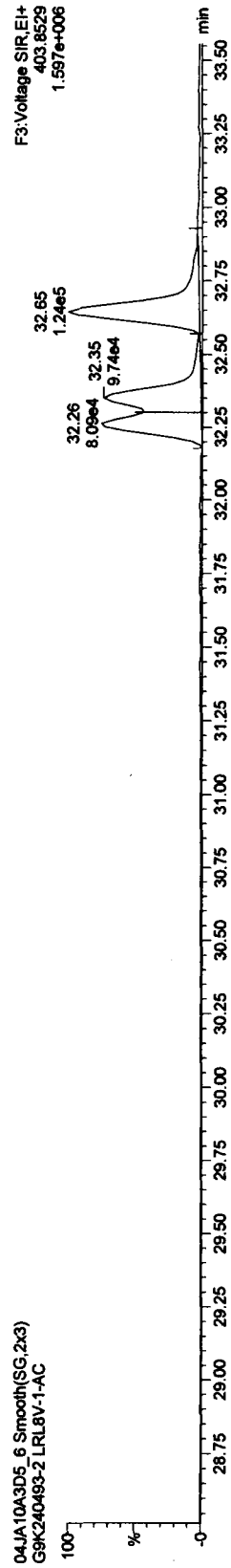


13C-HxCDDs

04JA10A3D5\_6 Smooth(SG,2x3)  
G9K240493-2 LRL8V-1-AC



04JA10A3D5\_6 Smooth(SG,2x3)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

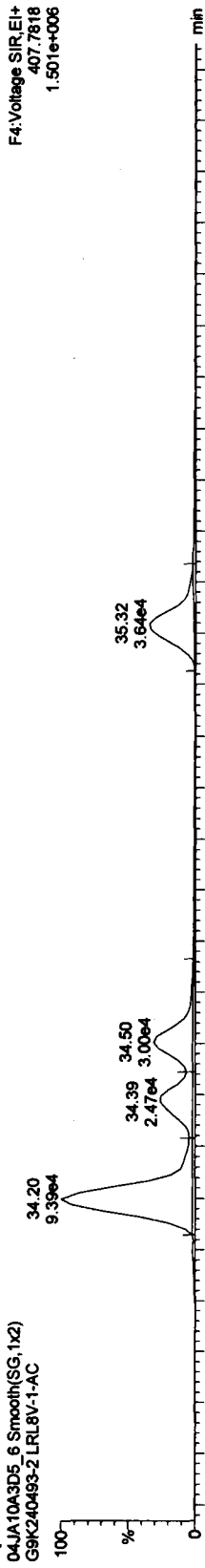
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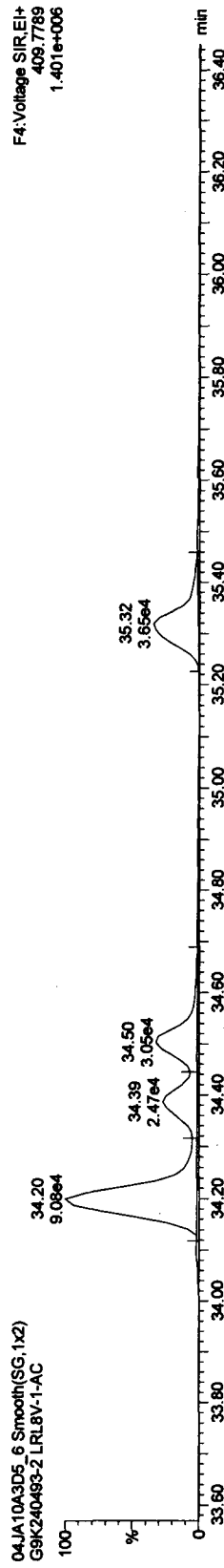
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HpCDFs

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G9K240493-2 LRL8V-1-AC

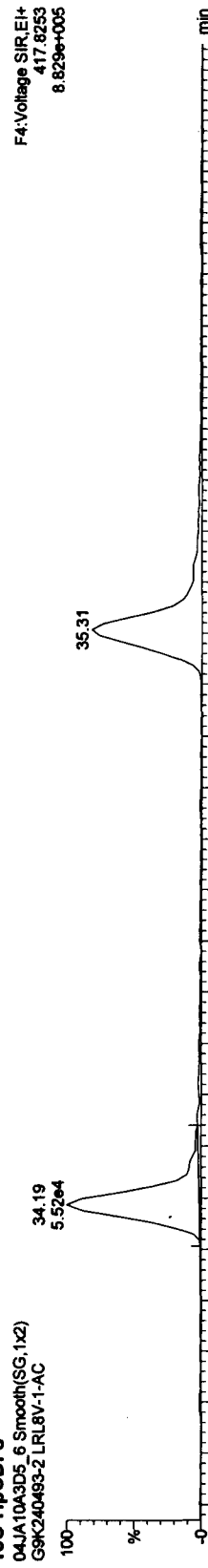


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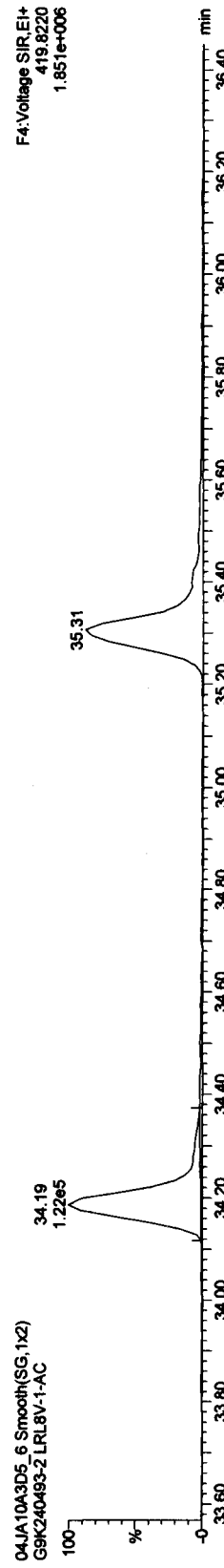


13C-HpCDFs

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

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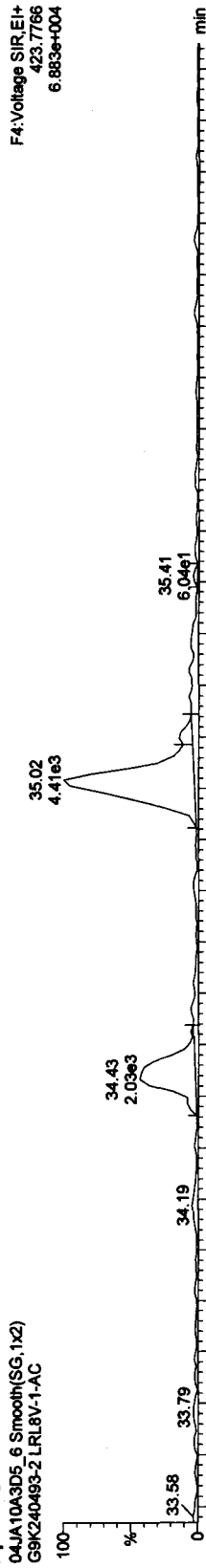
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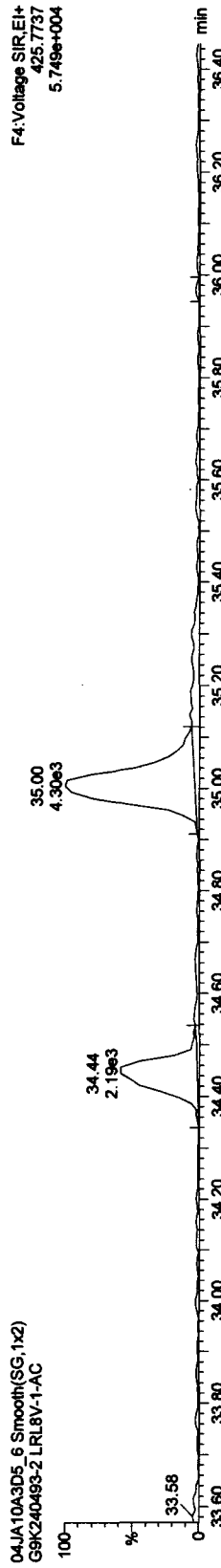
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HpCDDs

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G9K240493-2 LRL8V-1-AC

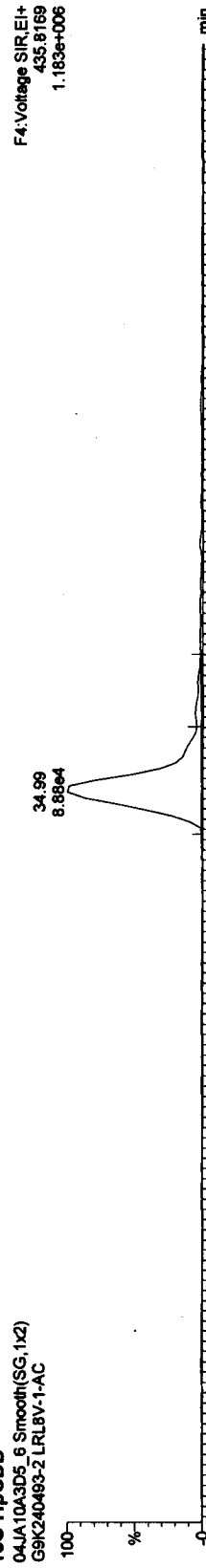


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G9K240493-2 LRL8V-1-AC

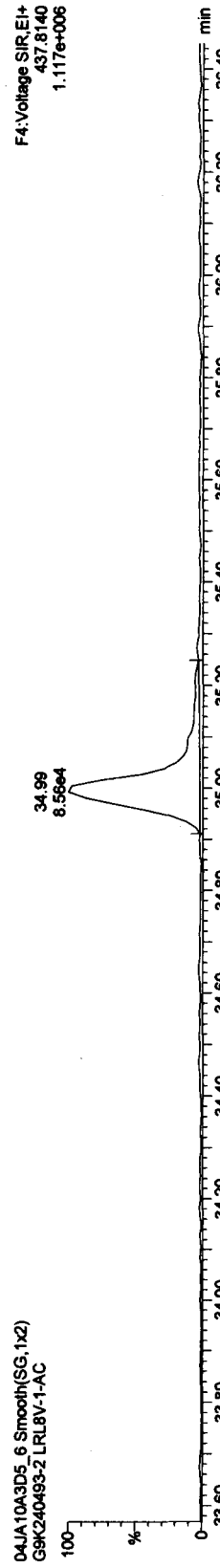


13C-HpCDD

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G9K240493-2 LRL8V-1-AC



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

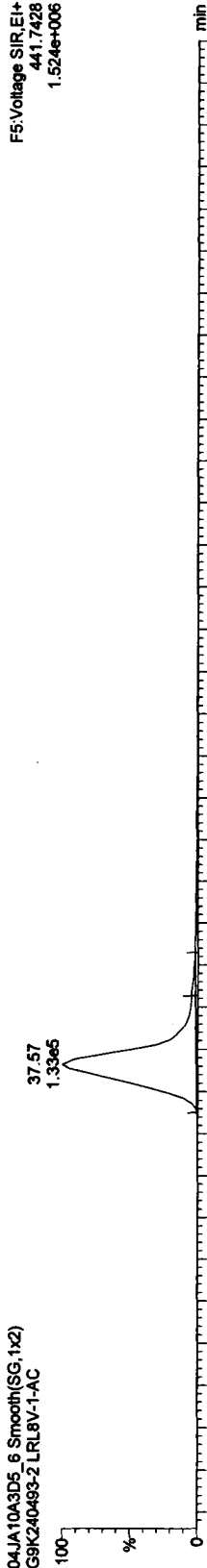
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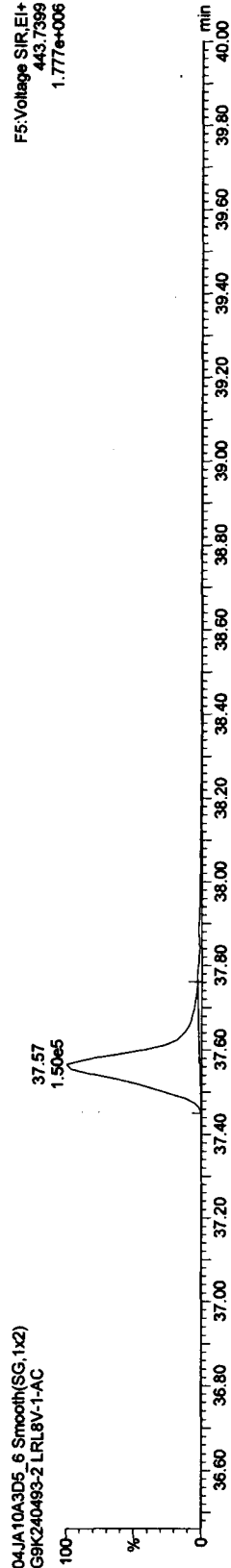
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OCDFs

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G9K240493-2 LRL8V-1-AC

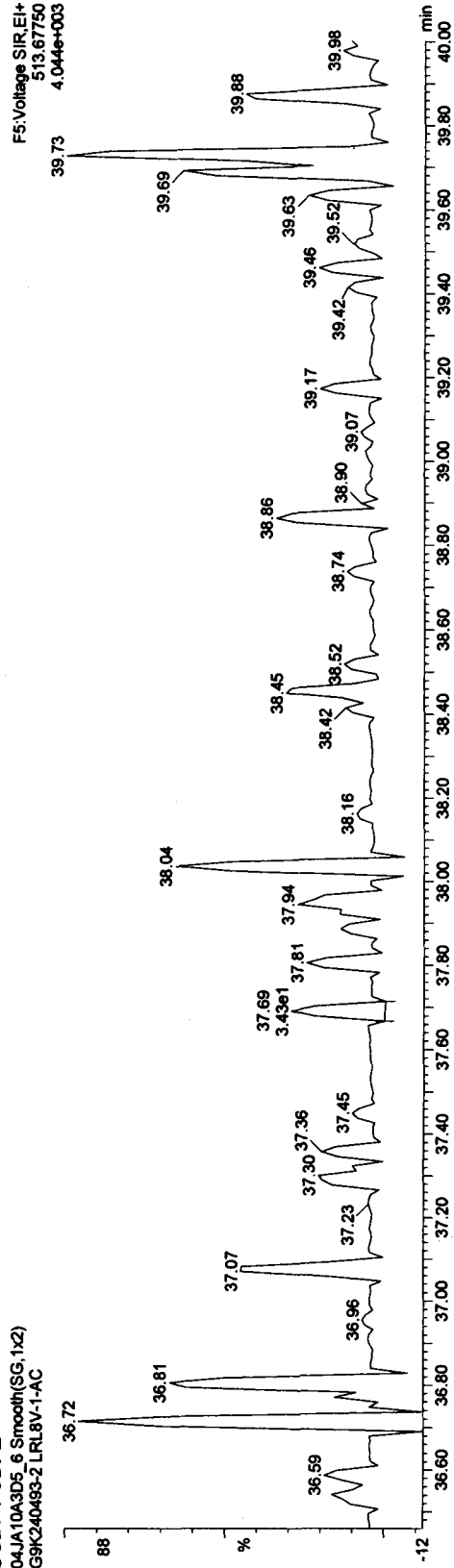


04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



OCDF PCDFE

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

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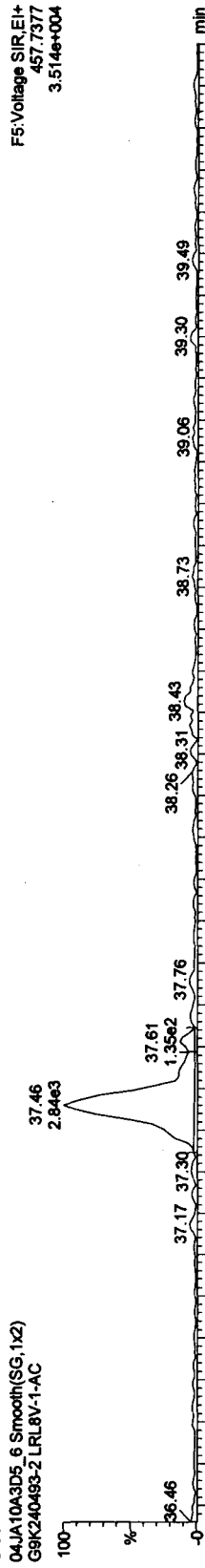
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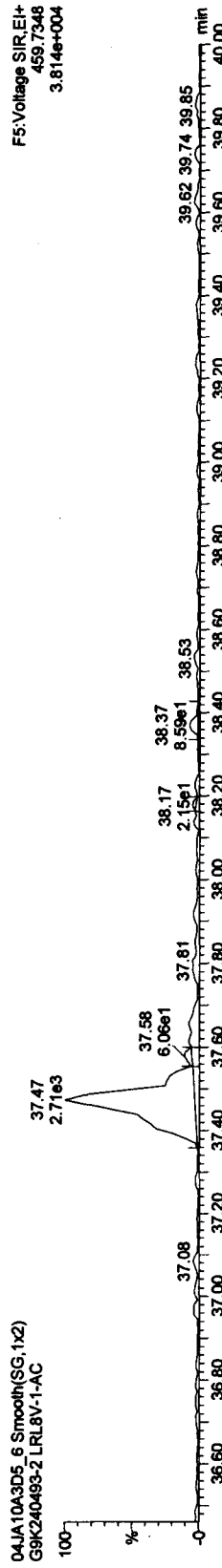
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OCDD

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G9K240493-2 LRL8V-1-AC

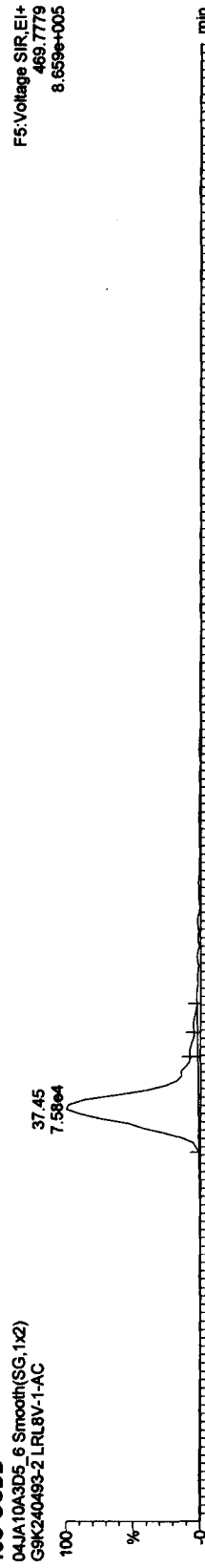


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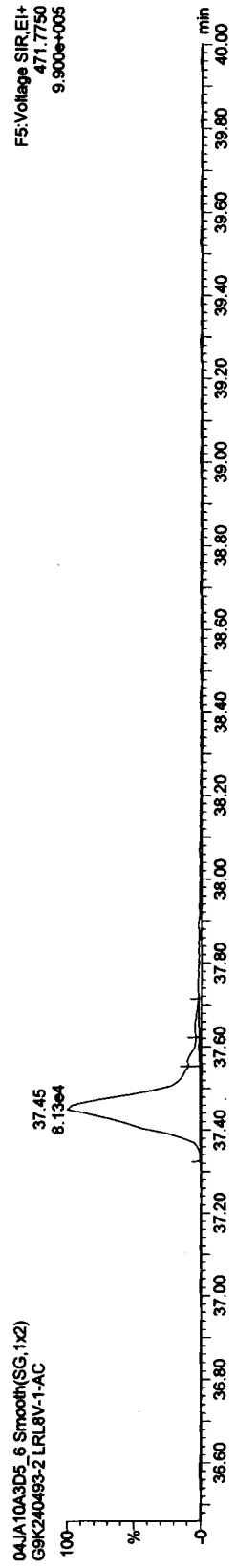


13C-OCDD

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



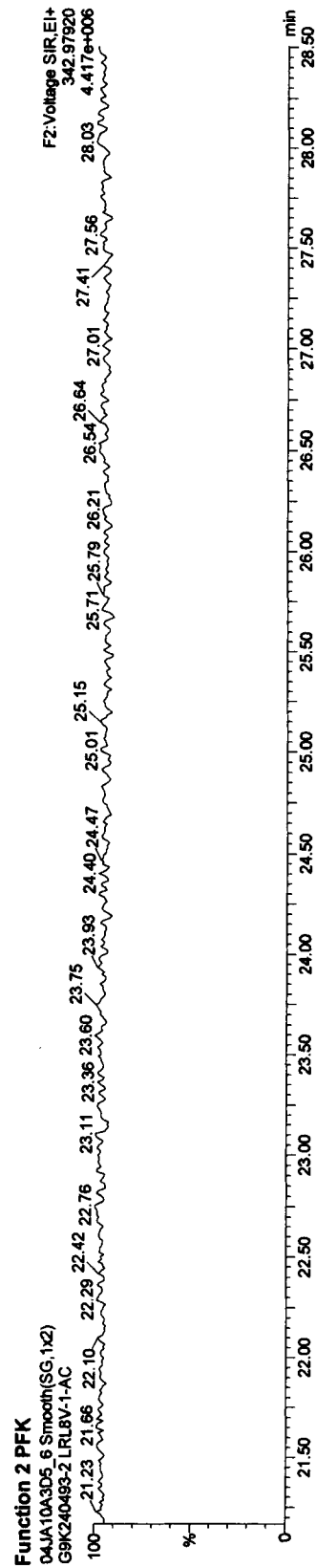
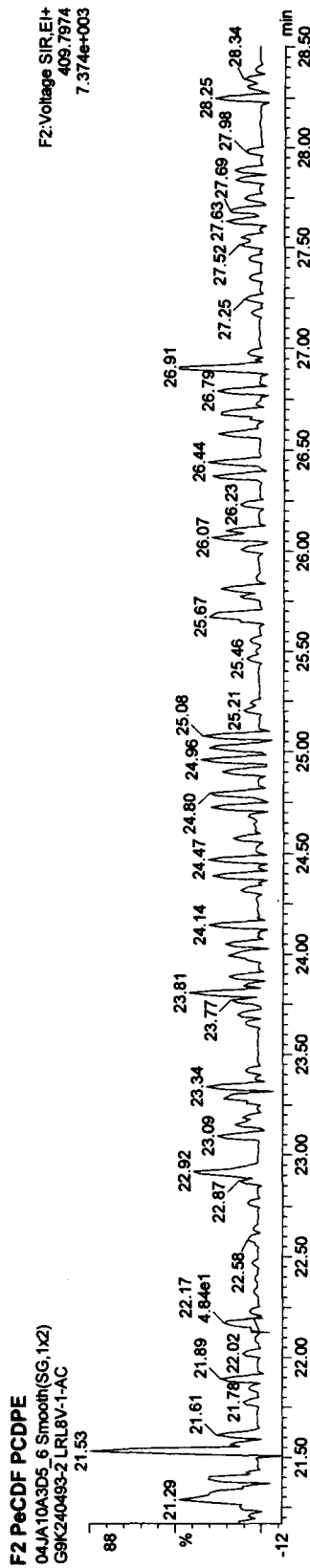
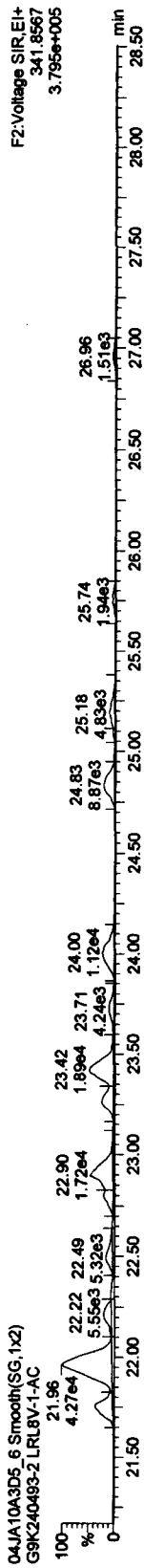
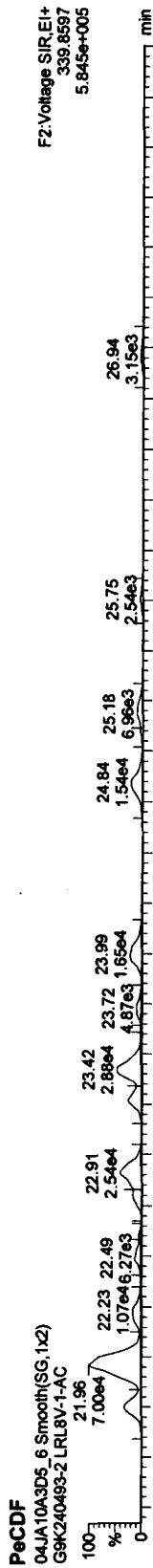


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2



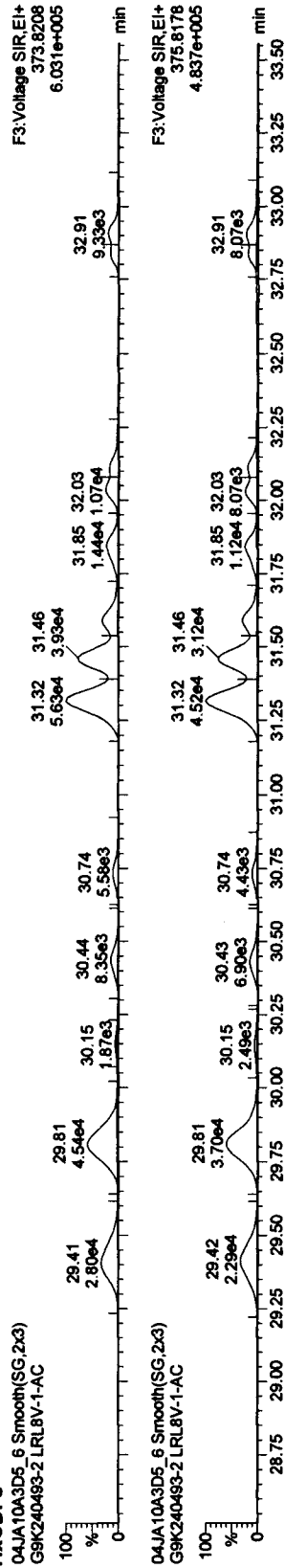
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynxDefault\pro04JA10A3D58290A.qld

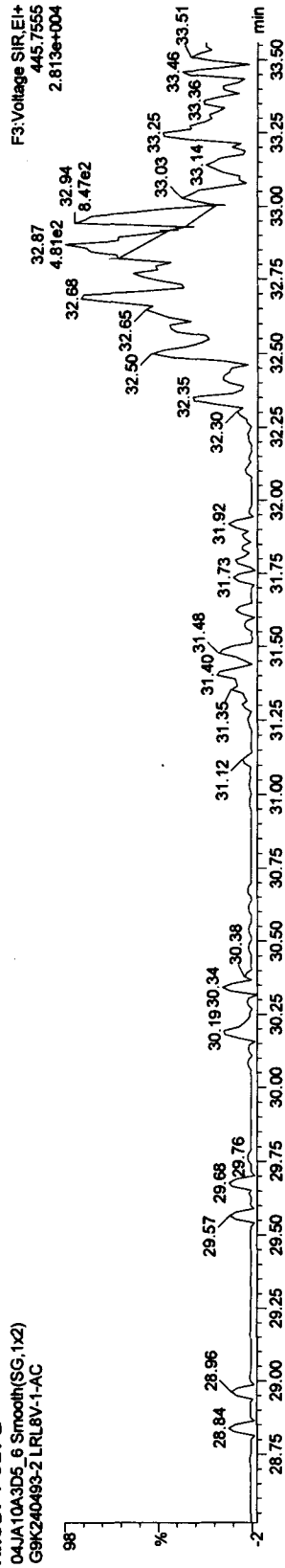
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2

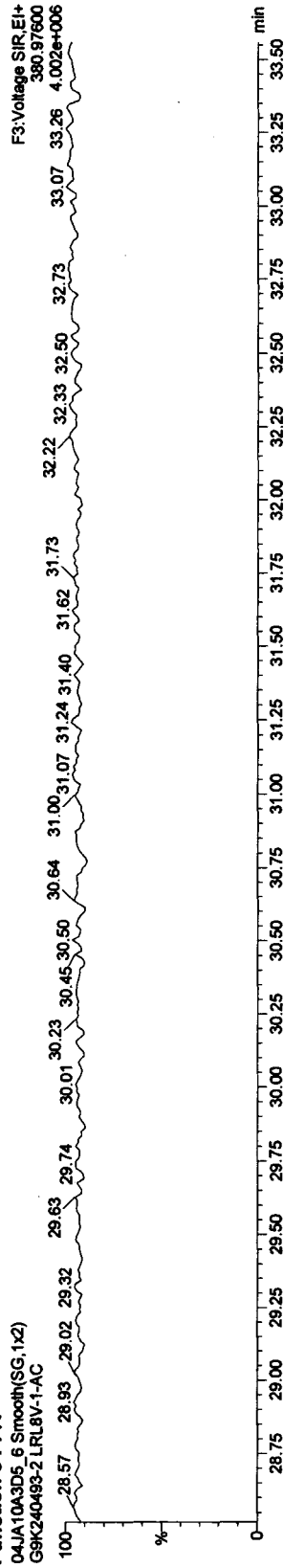
HxCDFs



HxCDF PCDFE



Function 3 PFK





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

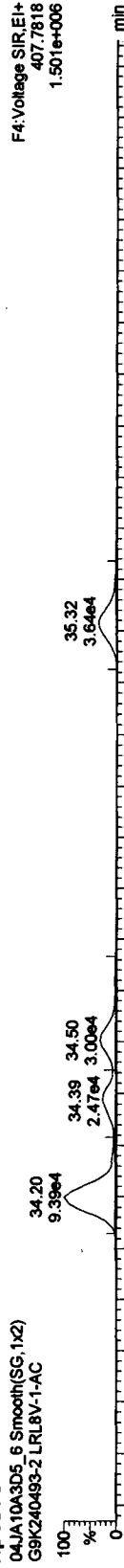
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

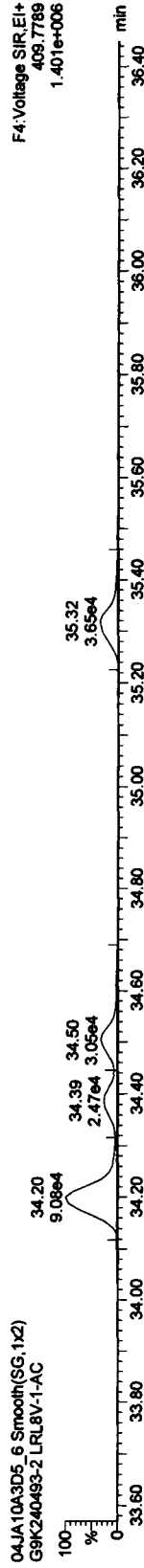
Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2

HpCDFs

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC

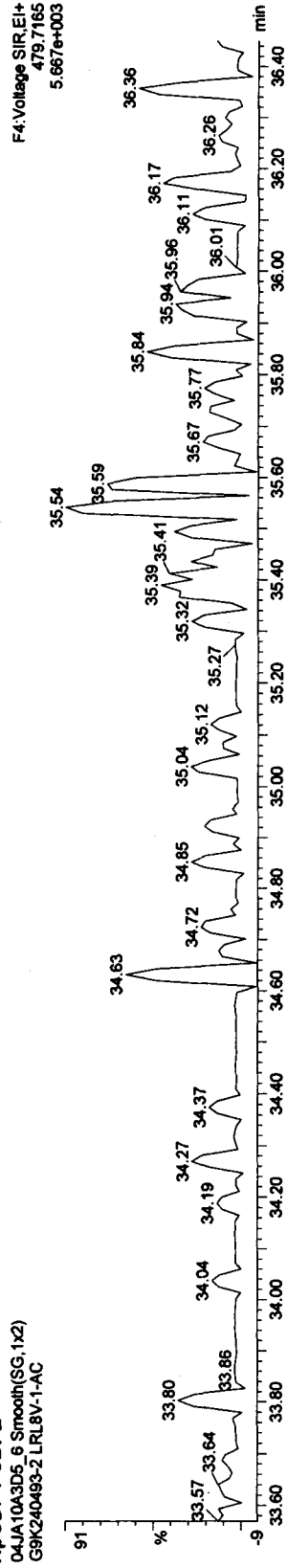


04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



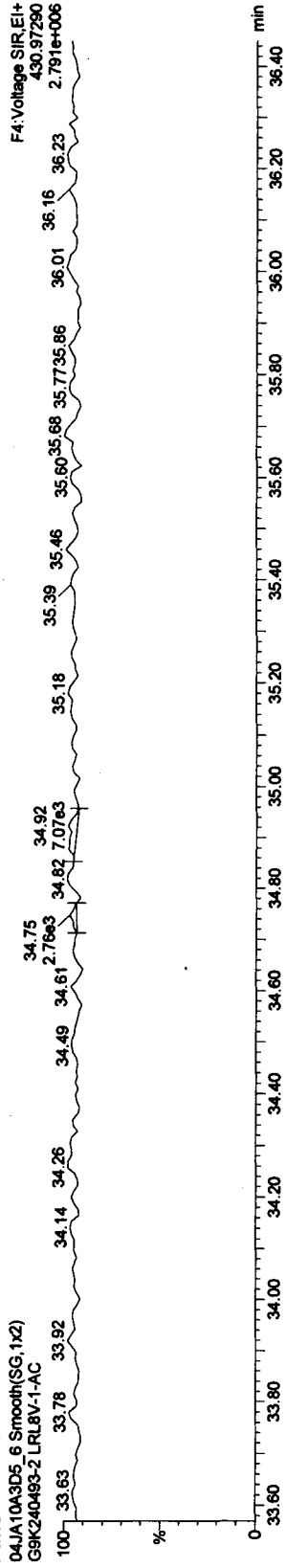
HpCDF PCDPE

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Function 4 PFK

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Quantify Sample Report MassLynx 4.1

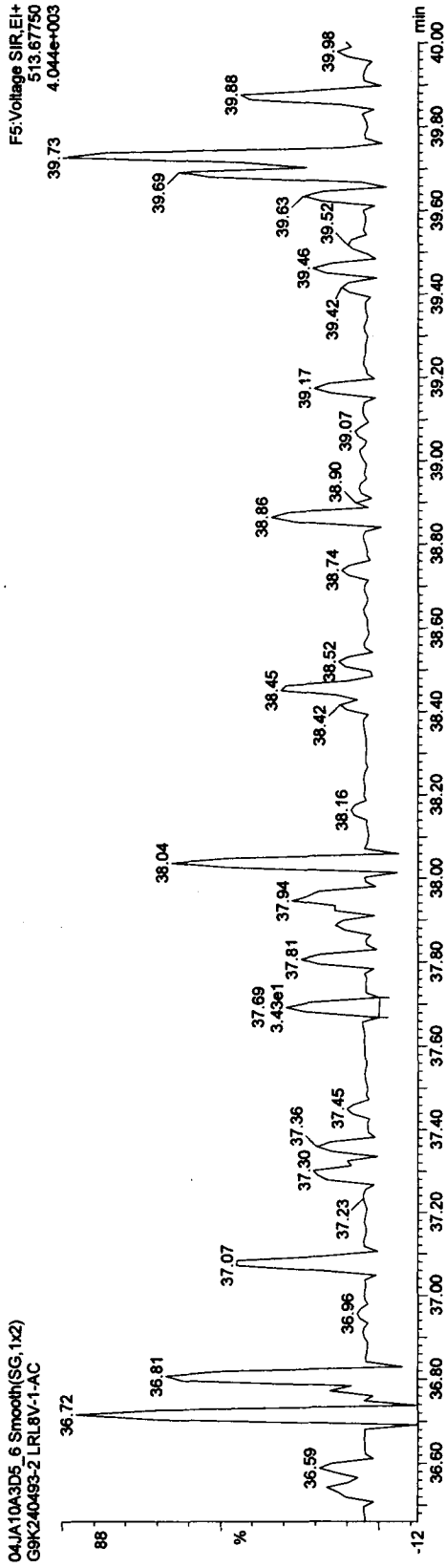
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:42:51 Pacific Standard Time

Name: 04JA10A3D5\_6, Date: 04-Jan-2010, Time: 20:02:39, ID: LRL8V-1-AC, Description: G9K240493-2

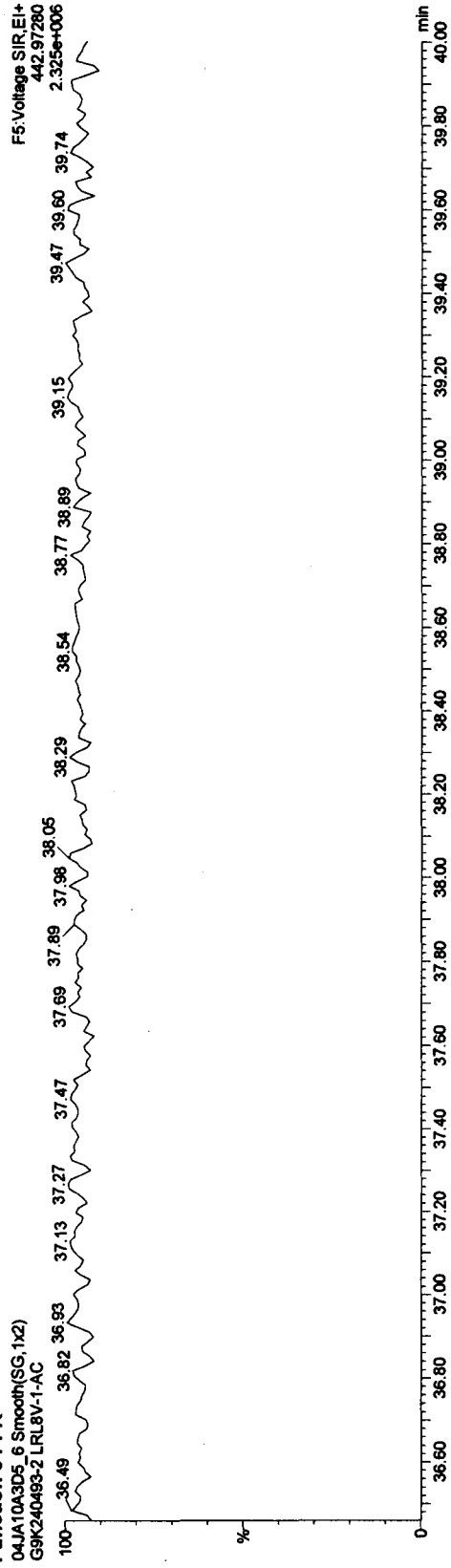
OCDF PCDDPE

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Function 5 PFK

04JA10A3D5\_6 Smooth(SG,1x2)  
G9K240493-2 LRL8V-1-AC



Run text: LRL8V-1-AC Sample text: LRL8V-1-AC :G9L240493-2  
 Run #14 Filename: 05JA10A5D2 S: 10 I: 1 Results: 05JA10A5D2DB2250S  
 Acquired: 6-JAN-10 03:39:11 Processed: 6-JAN-10 08:17:27  
 Run: 05JA10A5D2 Analyte: DB225HRS Cal: DB2250104105D2  
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.03 g

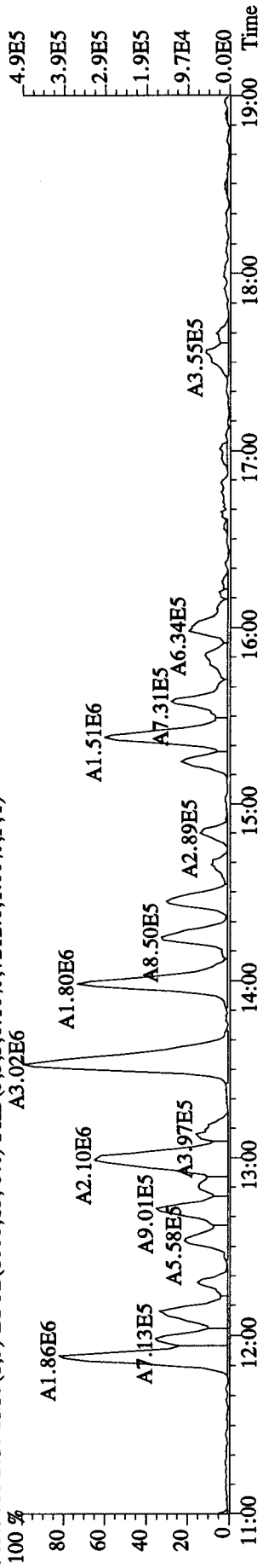
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	25859600	0.78 y	14:15	-	1.192	-	-	n
13C-2,3,7,8-TCDF	46326600	0.81 y	15:22	1.66	107.364	0.814	53.8	n
2,3,7,8-TCDF	3135430	0.85 y	15:23	1.01	13.316	0.992	-	y
13C-2,3,7,8-TCDD	25382600	0.83 y	14:03	0.95	102.886	0.726	51.6	n
2,3,7,8-TCDD	112220	1.44 n	14:03	1.18	0.746	1.275	-	n
37Cl-2,3,7,8-TCDD	33287000	1.00 y	14:04	2.07	62.061	0.051	77.8	n

OS  
01-07-09

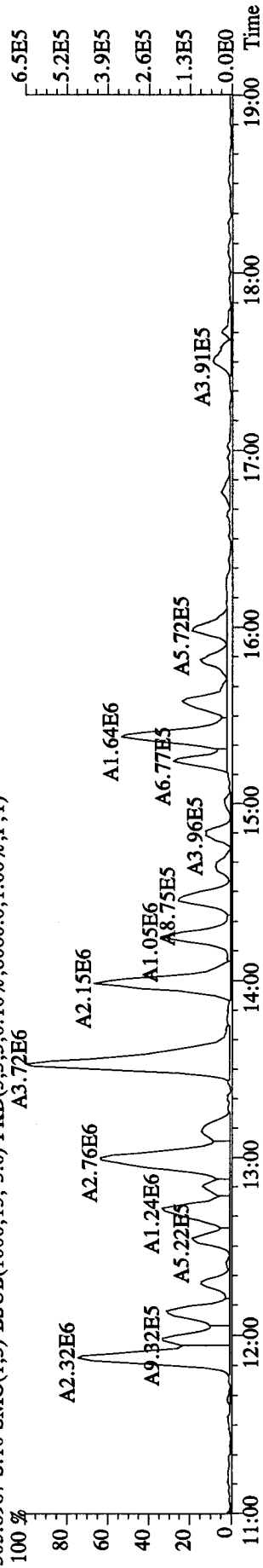
Run text: LRL8V-1-AC Sample text: LRL8V-1-AC :G9L240493-2  
 Run #14 Filename: 05JA10A5D2 S: 10 I: 1 Results: 05JA10A5D2DB225  
 Acquired: 6-JAN-10 03:39:11 Processed: 6-JAN-10 08:17:27  
 Run: 05JA10A5D2 Analyte: DB225HRS Cal: DB2250104105D2  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0300g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	25859600	0.78 y	14:15	-	1.19	-	-	n
13C-2,3,7,8-TCDF	46326600	0.81 y	15:22	1.66	107.36	0.81	53.8	n
2,3,7,8-TCDF	2903650	0.92 (n)	15:23	1.01	12.33	0.99	-	n
13C-2,3,7,8-TCDD	25382600	0.83 y	14:03	0.95	102.89	0.73	51.6	n
2,3,7,8-TCDD	112220	1.44 n	14:03	1.18	0.75	1.28	-	n
37Cl-2,3,7,8-TCDD	33287000	1.00 y	14:04	2.07	62.06	0.05	77.8	n

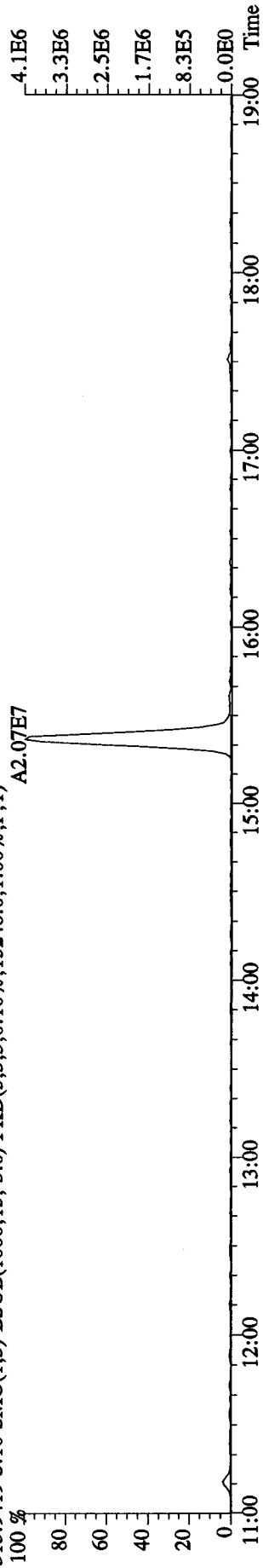
File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 03:39:11 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LRL8V-1-AC :G9L240493-2 Exp:DB225  
 303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T)  
 100 % A3.02E6



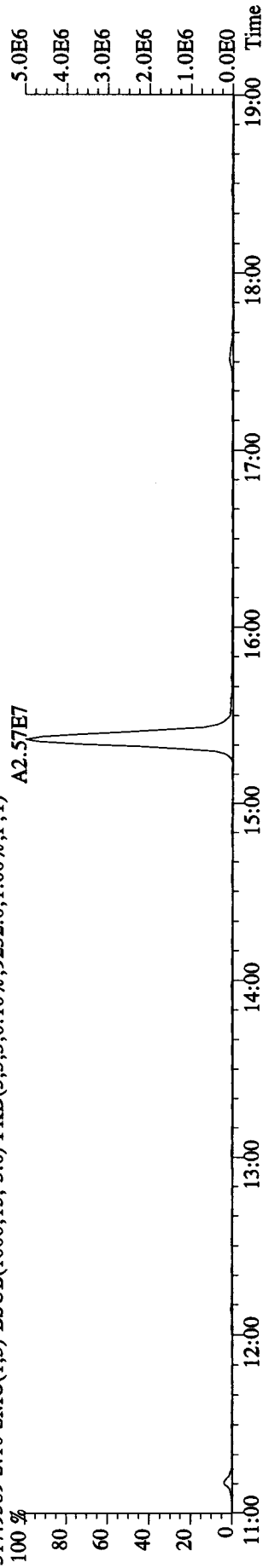
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8080.0,1.00%,F,T)  
 100 % A3.72E6



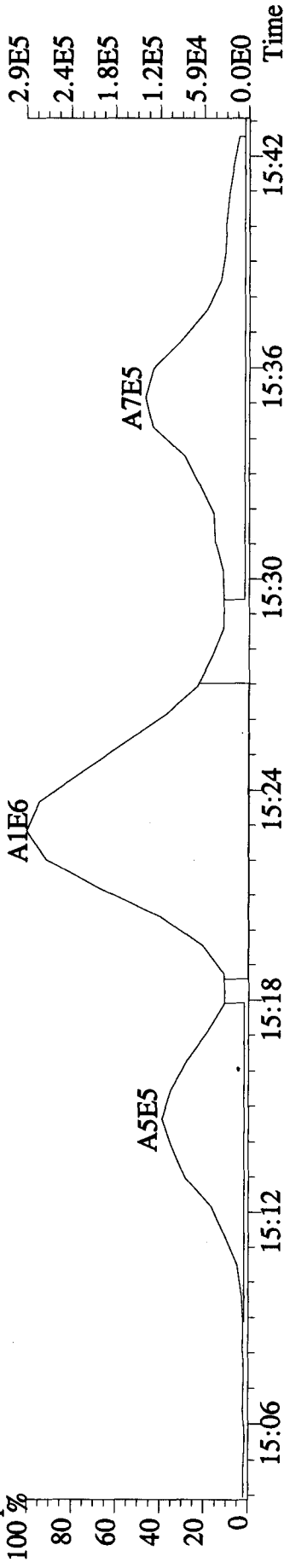
315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15248.0,1.00%,F,T)  
 100 % A2.07E7



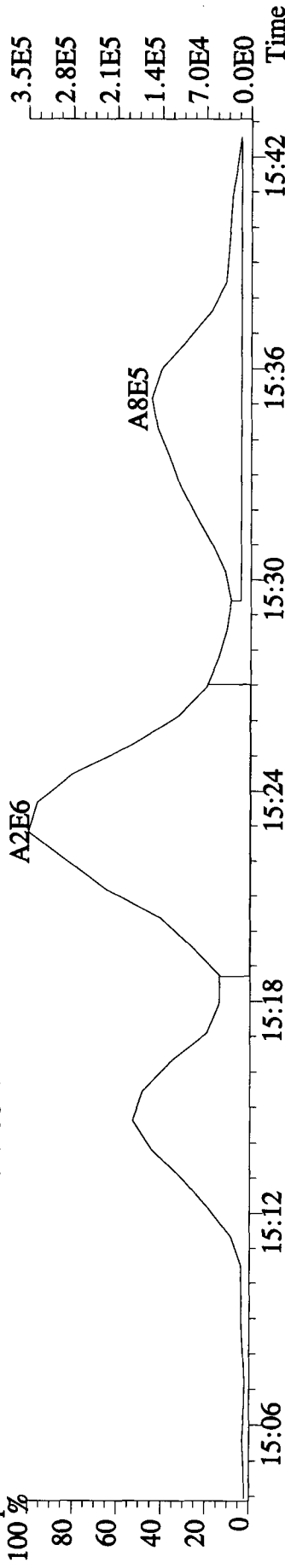
317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9232.0,1.00%,F,T)  
 100 % A2.57E7



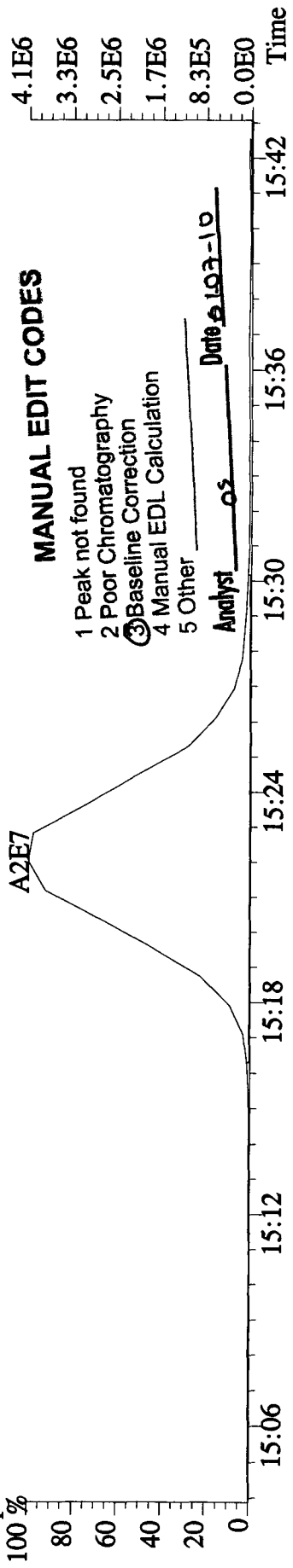
File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 03:39:11 GC EI + Voltage SIR 70SE  
 303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T) Exp:DB225 Noise:18 >  
 Sample Text:LRL8V-1-AC :G9L240493-2



File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 03:39:11 GC EI + Voltage SIR 70SE  
 305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8080.0,1.00%,F,T) Exp:DB225 Noise:20 >  
 Sample Text:LRL8V-1-AC :G9L240493-2



File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 03:39:11 GC EI + Voltage SIR 70SE  
 315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15248.0,1.00%,F,T) Exp:DB225 Noise:3 >  
 Sample Text:LRL8V-1-AC :G9L240493-2



**MANUAL EDIT CODES**

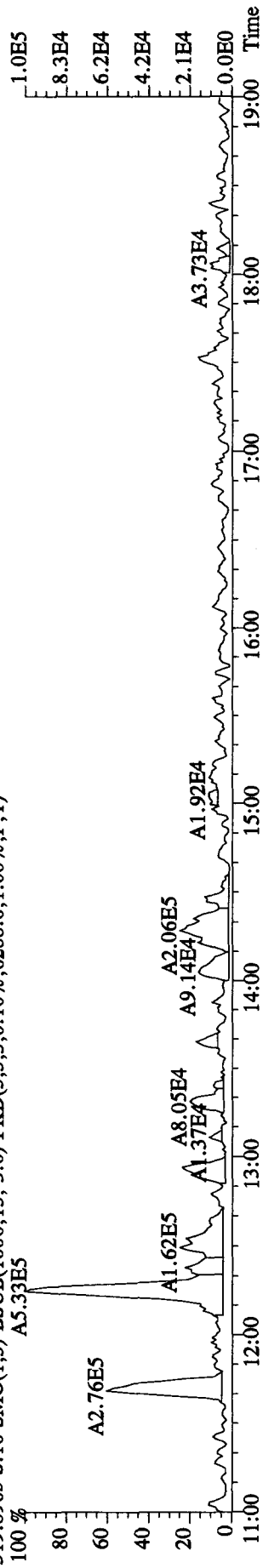
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst os Date 10-3-10

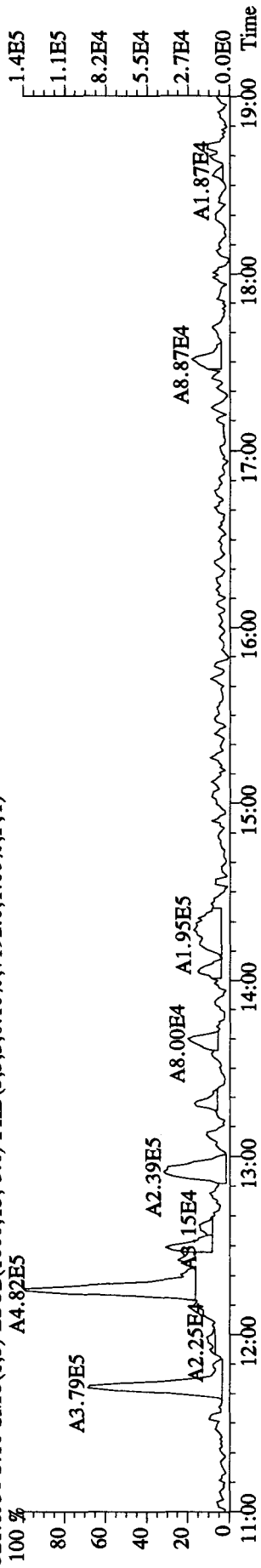
File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 03:39:11 GC EI+ Voltage SIR 70SE

Sample#10 Text:LRL8V-1-AC :G9L240493-2 Exp:DB225

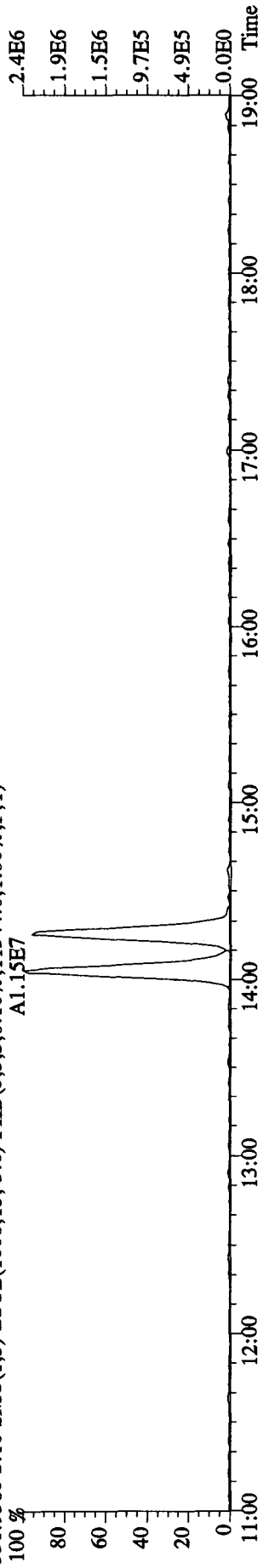
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6288.0,1.00%,F,T)



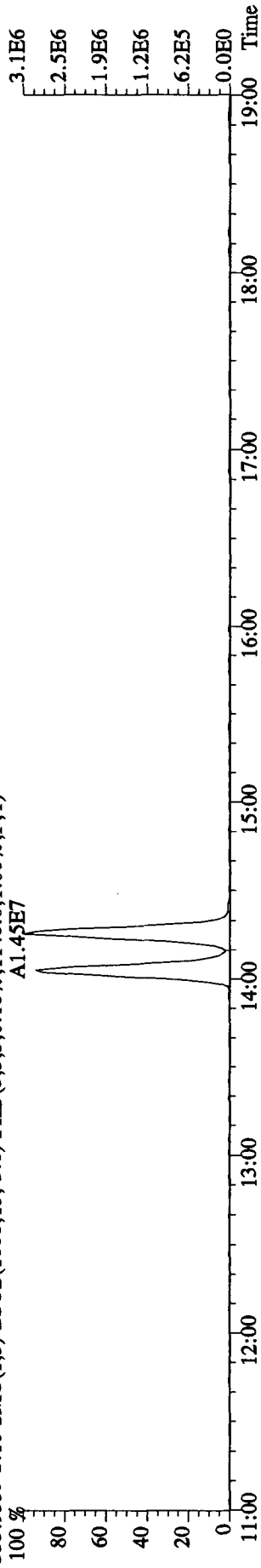
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7192.0,1.00%,F,T)



331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11344.0,1.00%,F,T)



333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1140.0,1.00%,F,T)

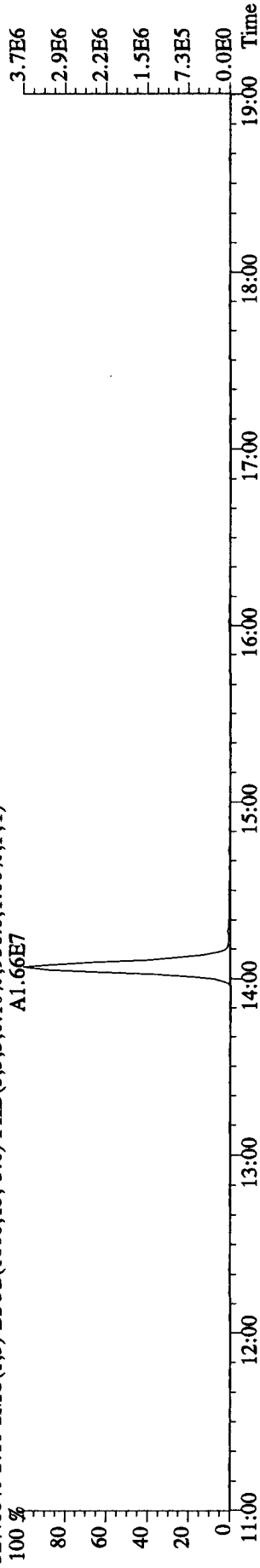


File:051A10A5D2 #1-1242 Acq: 6-JAN-2010 03:39:11 GC EI+ Voltage SIR 70SE

Sample#10 Text:LRL8V-1-AC :G9L240493-2 Exp:DB225

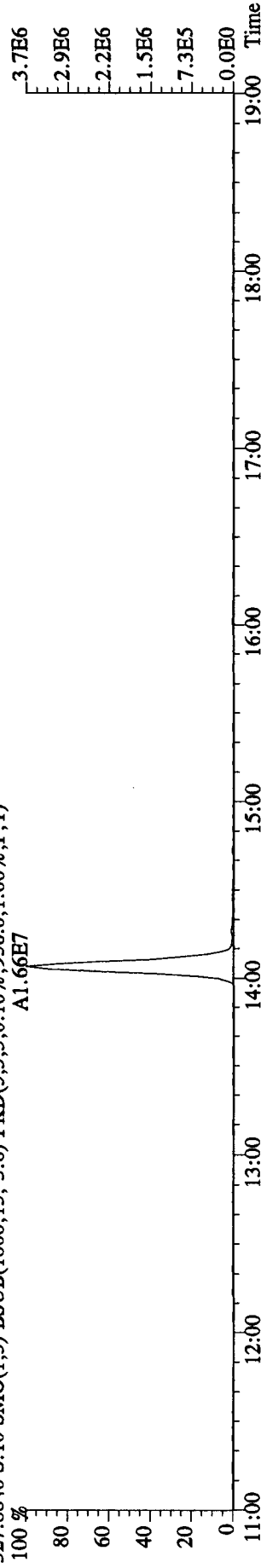
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)

A1.66E7



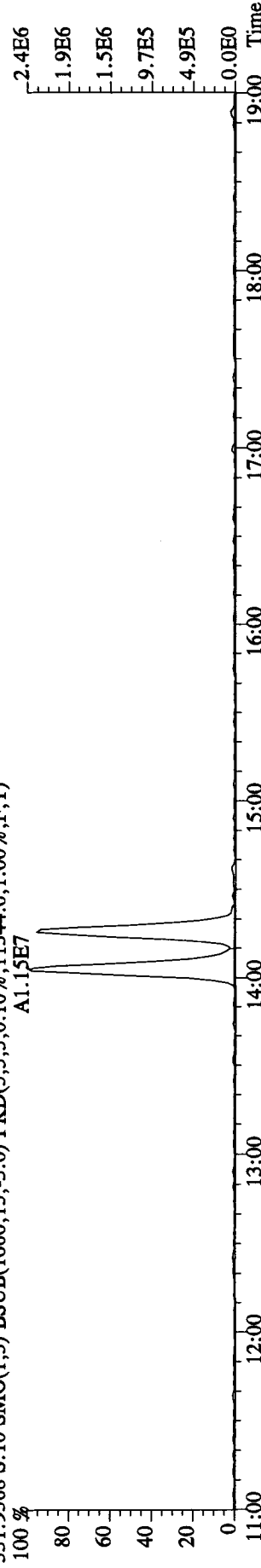
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)

A1.66E7



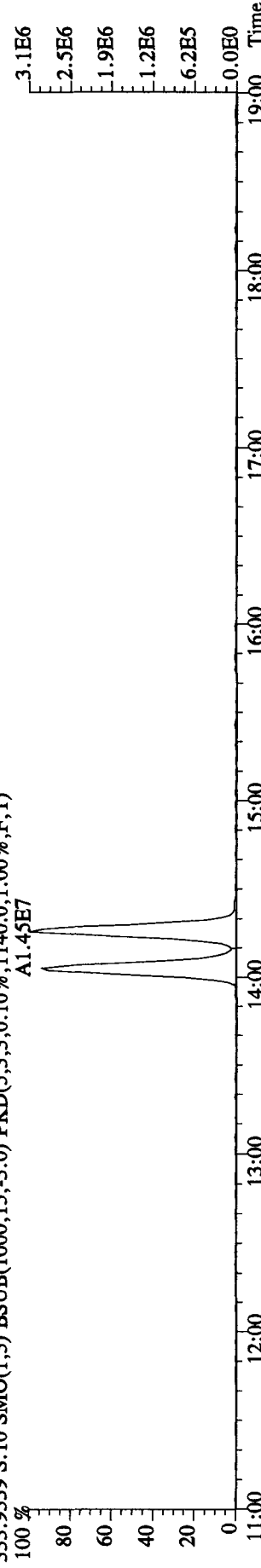
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11344.0,1.00%,F,T)

A1.15E7



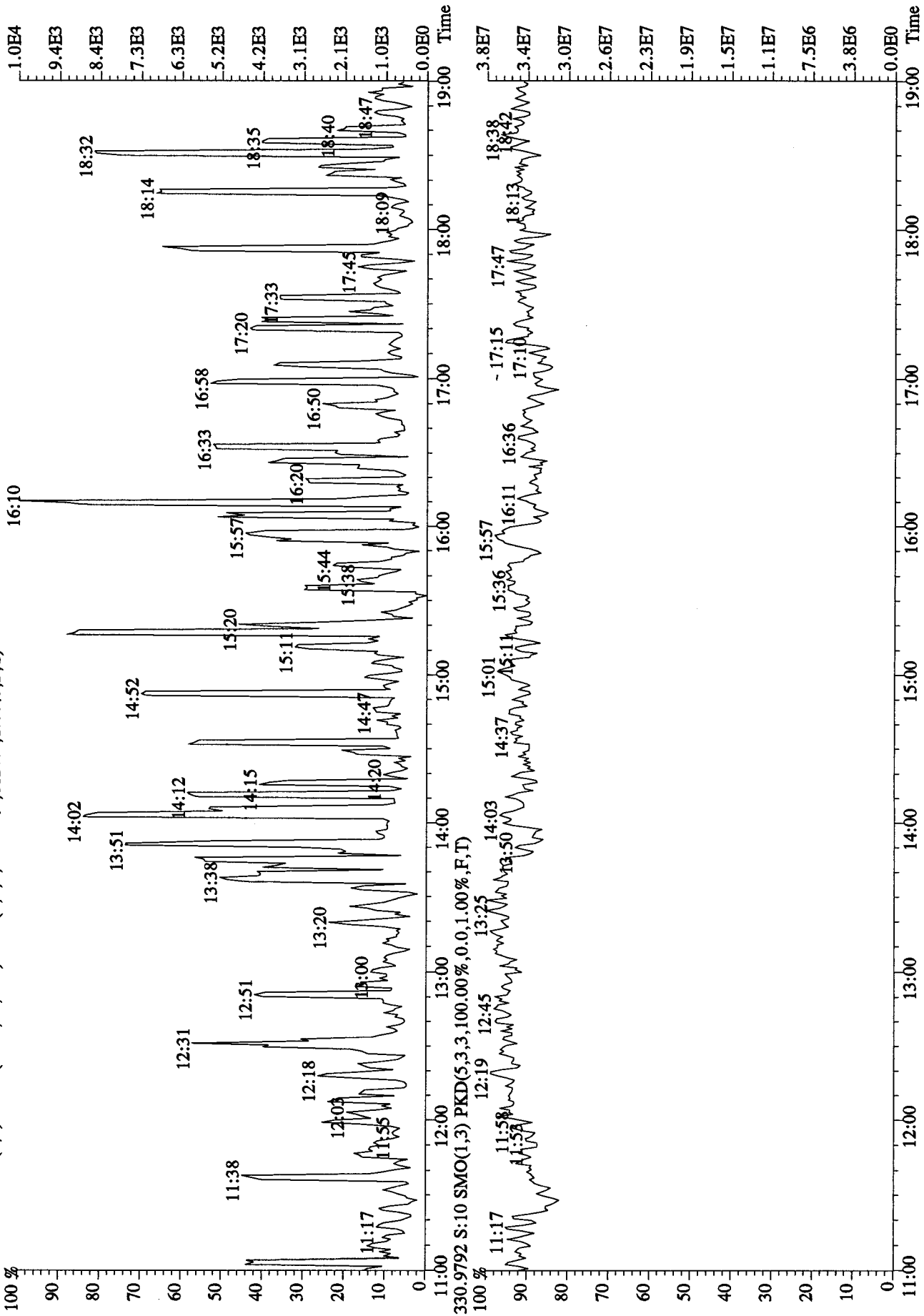
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1140.0,1.00%,F,T)

A1.45E7





File:05JA10A5D2 #1-1242 Acq: 6-JAN-2010 03:39:11 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LRL8V-1-AC :G9L240493-2 Exp:DB225  
 375.8364 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1128.0,1.00%,F,T)



## Daily Calibration Checklist Dioxin Methods

Method ID 8290  
 Column ID DB5  
 STD ID ST0104, ST0104A  
 Analyzed by M.G.  
 Std. Pkg. By M.G.  
 Std. Pkg. Reviewed By JRS

Associated ICAL 8290123109105  
 Instrument ID 105  
 STD Solution 09DXN425  
 Date Analyzed 1/4/10  
 Date Std. Pkg. Assembled 1/5/10  
 Date Std. Pkg. Reviewed 1/5/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (for 1613B only)	NA	NA

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

\* Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.  
 Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.  
 Method 23: See Method 23 Daily Standard Criteria, Table 5.  
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,  
 \*\* Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet  
 Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0104 File text: ST0104 :CS3 09DXN425  
 Run #6 Filename 04JA10A1D5 S: 1 I: 1  
 Acquired: 4-JAN-10 14:22:14 Processed: 4-JAN-10 17:52:25  
 Run: 04JA10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 04JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	280509000	0.79 y	18:48	-	100.00	-	n
13C-2,3,7,8-TCDF	393555000	0.77 y	18:14	1.40	100.00	-10.4	n
2,3,7,8-TCDF	32711100	0.77 y	18:15	0.83	10.00	-3.3	n
Total TCDF	33091995	0.55 n	17:18	0.83	10.00	-3.3	n
13C-2,3,7,8-TCDD	277768000	0.80 y	19:00	0.99	100.00	-0.3	n
2,3,7,8-TCDD	23959000	0.77 y	19:01	0.86	10.00	-7.6	n
Total TCDD	24036981	1.34 n	17:52	0.86	10.00	-7.6	n
37Cl-2,3,7,8-TCDD	57146200	1.00 y	19:01	2.04	10.00	-8.2	n
13C-1,2,3,7,8-PeCDF	272612000	1.65 y	23:41	0.97	100.00	-9.4	n
1,2,3,7,8-PeCDF	143725300	1.60 y	23:43	1.05	50.00	5.4	n
2,3,4,7,8-PeCDF	133002900	1.57 y	25:09	0.98	50.00	4.0	n
Total F2 PeCDF	278531326	2.02 n	22:13	1.02	100.00	4.7	n
Total F1 PeCDF	158894	0.26 n	16:08	1.02	100.00	4.7	n
13C-1,2,3,7,8-PeCDD	177387600	1.66 y	25:54	0.63	100.00	-5.1	n
1,2,3,7,8-PeCDD	78532700	1.61 y	25:57	0.89	50.00	-4.7	n
Total PeCDD	78532700	1.61 y	25:57	0.89	50.00	-4.7	n
13C-1,2,3,7,8,9-HxCDD	210580100	1.25 y	32:54	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	184389900	0.53 y	31:31	0.88	100.00	-1.9	n
1,2,3,4,7,8-HxCDF	114973500	1.24 y	31:32	1.25	50.00	4.0	n
1,2,3,6,7,8-HxCDF	147971300	1.26 y	31:41	1.60	50.00	17.0	n
2,3,4,6,7,8-HxCDF	126493700	1.27 y	32:21	1.37	50.00	10.5	n
1,2,3,7,8,9-HxCDF	113974800	1.25 y	33:07	1.24	50.00	-6.8	n
Total HxCDF	503413300	1.24 y	31:32	1.37	200.00	6.3	n
13C-1,2,3,6,7,8-HxCDD	181249500	1.28 y	32:36	0.86	100.00	17.6	n
1,2,3,4,7,8-HxCDD	75662600	1.29 y	32:31	0.83	50.00	-13.9	n
1,2,3,6,7,8-HxCDD	101154000	1.33 y	32:37	1.12	50.00	5.5	n
1,2,3,7,8,9-HxCDD	104826500	1.26 y	32:55	1.16	50.00	-9.3	n
Total HxCDD	282365724	1.29 y	32:31	1.04	150.00	-5.9	n
13C-1,2,3,4,6,7,8-HpCDF	180705700	0.43 y	34:39	0.86	100.00	-0.2	n
1,2,3,4,6,7,8-HpCDF	119935400	1.05 y	34:39	1.33	50.00	3.2	n
1,2,3,4,7,8,9-HpCDF	93377100	1.04 y	35:56	1.03	50.00	-9.0	n
Total HpCDF	213312500	1.05 y	34:39	1.18	100.00	-2.5	n
13C-1,2,3,4,6,7,8-HpCDD	150406500	1.06 y	35:34	0.71	100.00	-5.0	n
1,2,3,4,6,7,8-HpCDD	74587700	1.10 y	35:35	0.99	50.00	-0.6	n
Total HpCDD	74924139	1.53 n	34:56	0.99	50.00	-0.6	n
13C-OCDD	199272800	0.91 y	38:21	0.47	200.00	-16.2	n
OCDF	147488100	0.90 y	38:29	1.48	100.00	3.0	n
OCDD	110569300	0.88 y	38:22	1.11	100.00	0.0	n

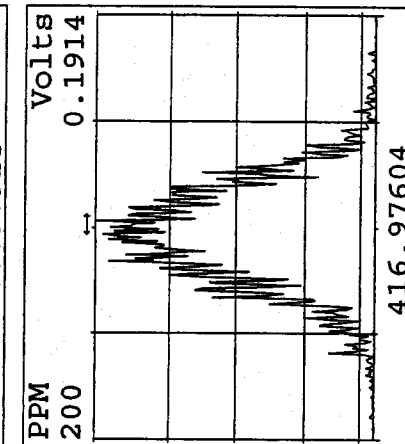
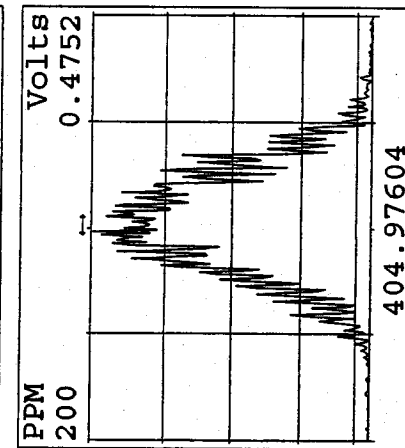
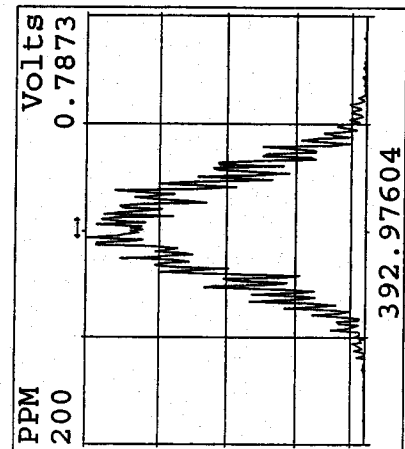
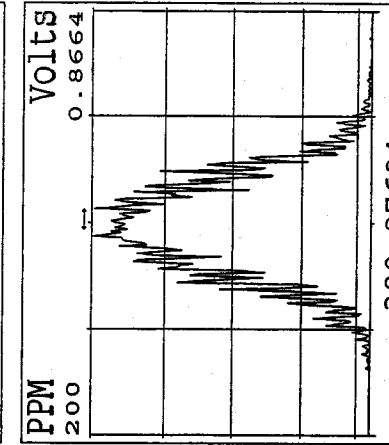
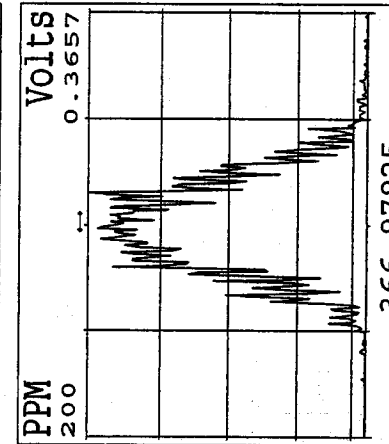
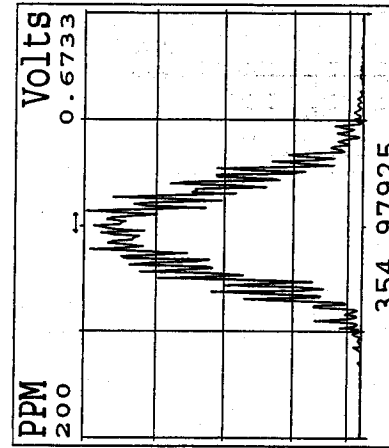
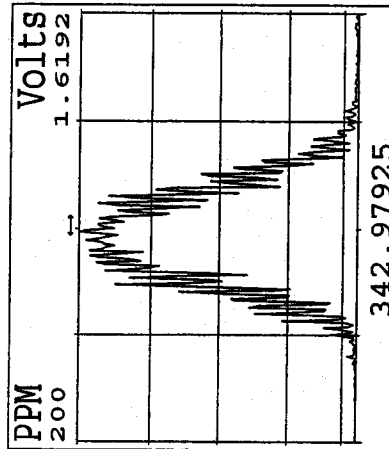
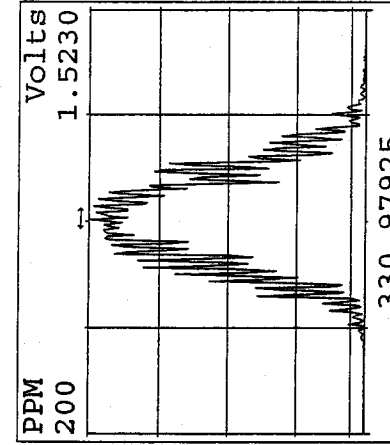
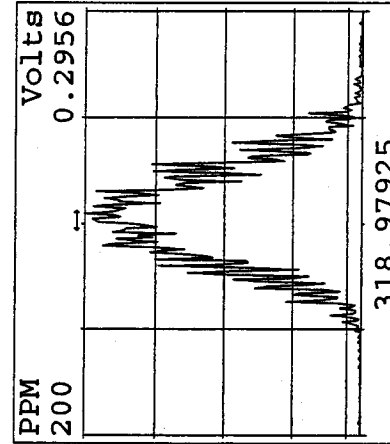
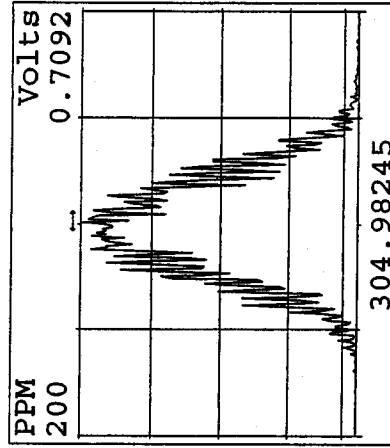
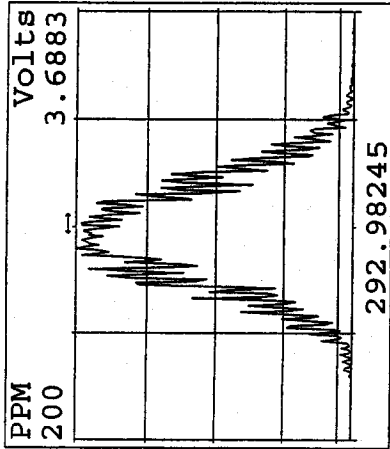
Run text: ST0104A File text: ST0104A :CS3 09DXN425  
 Run #15 Filename 04JA10A1D5 S: 12 I: 1  
 Acquired: 4-JAN-10 22:02:37 Processed: 5-JAN-10 07:52:09  
 Run: 04JA10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 04JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	305540000	0.79 y	18:42	-	100.00	-	n
13C-2,3,7,8-TCDF	428953000	0.76 y	18:09	1.40	100.00	-10.4	n
2,3,7,8-TCDF	32770100	0.72 y	18:10	0.76	10.00	-11.2	n
Total TCDF	33075687	1.34 n	17:12	0.76	10.00	-11.2	n
13C-2,3,7,8-TCDD	315113000	0.80 y	18:54	1.03	100.00	3.8	n
2,3,7,8-TCDD	27024800	0.79 y	18:55	0.86	10.00	-8.2	n
Total TCDD	27324095	2.73 n	15:56	0.86	10.00	-8.2	n
37Cl-2,3,7,8-TCDD	67269200	1.00 y	18:55	2.20	10.00	-0.7	n
13C-1,2,3,7,8-PeCDF	304342000	1.59 y	23:33	1.00	100.00	-7.2	n
1,2,3,7,8-PeCDF	145652400	1.57 y	23:34	0.96	50.00	-4.3	n
2,3,4,7,8-PeCDF	137197300	1.57 y	24:59	0.90	50.00	-3.9	n
Total F2 PeCDF	285598094	1.57 y	23:34	0.93	100.00	-4.1	n
Total F1 PeCDF	237831	0.35 n	16:04	0.93	100.00	-4.1	n
13C-1,2,3,7,8-PeCDD	199454200	1.63 y	25:44	0.65	100.00	-2.0	n
1,2,3,7,8-PeCDD	94968500	1.58 y	25:46	0.95	50.00	2.5	n
Total PeCDD	95227794	2.64 n	25:26	0.95	50.00	2.5	n
13C-1,2,3,7,8,9-HxCDD	248387000	1.28 y	32:51	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	209840500	0.51 y	31:27	0.84	100.00	-5.4	n
1,2,3,4,7,8-HxCDF	120488000	1.24 y	31:28	1.15	50.00	-4.2	n
1,2,3,6,7,8-HxCDF	146045500	1.24 y	31:36	1.39	50.00	1.5	n
2,3,4,6,7,8-HxCDF	131075000	1.22 y	32:17	1.25	50.00	0.6	n
1,2,3,7,8,9-HxCDF	123743200	1.26 y	33:04	1.18	50.00	-11.1	n
Total HxCDF	521351700	1.24 y	31:28	1.24	200.00	-3.3	n
13C-1,2,3,6,7,8-HxCDD	188597100	1.12 y	32:33	0.76	100.00	3.7	n
1,2,3,4,7,8-HxCDD	83754600	1.25 y	32:28	0.89	50.00	-8.4	n
1,2,3,6,7,8-HxCDD	109704700	1.28 y	32:34	1.16	50.00	9.9	n
1,2,3,7,8,9-HxCDD	115884100	1.26 y	32:52	1.23	50.00	-3.6	n
Total HxCDD	310561051	1.25 y	32:28	1.09	150.00	-0.7	n
13C-1,2,3,4,6,7,8-HpCDF	194080900	0.42 y	34:36	0.78	100.00	-9.2	n
1,2,3,4,6,7,8-HpCDF	125774000	1.05 y	34:37	1.30	50.00	0.7	n
1,2,3,4,7,8,9-HpCDF	103441600	1.03 y	35:54	1.07	50.00	-6.1	n
Total HpCDF	229215600	1.05 y	34:37	1.18	100.00	-2.5	n
13C-1,2,3,4,6,7,8-HpCDD	179032800	1.06 y	35:32	0.72	100.00	-4.2	n
1,2,3,4,6,7,8-HpCDD	86512500	1.05 y	35:33	0.97	50.00	-3.1	n
Total HpCDD	86808288	1.04 y	34:55	0.97	50.00	-3.1	n
13C-OCDD	274116000	0.90 y	38:20	0.55	200.00	-2.2	n
OCDF	181459700	0.90 y	38:28	1.32	100.00	-7.9	n
OCDD	146499300	0.88 y	38:20	1.07	100.00	-3.7	n

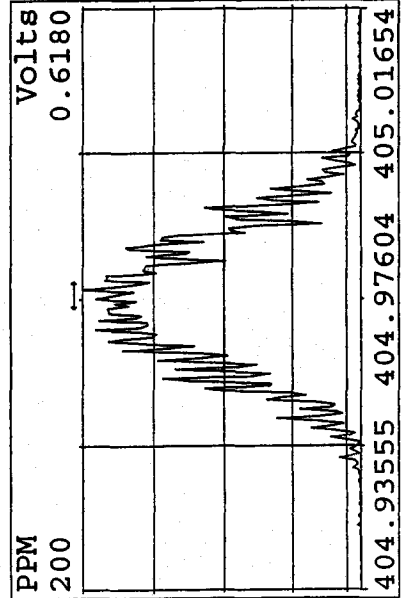
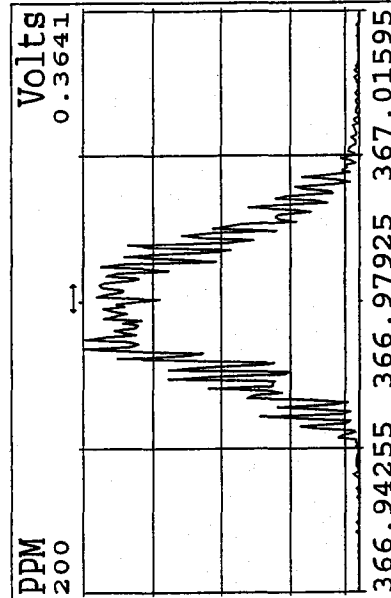
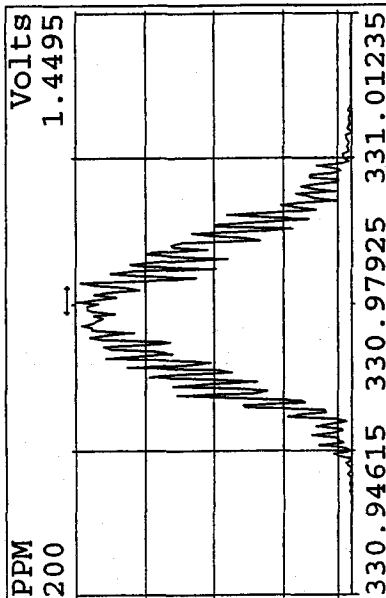
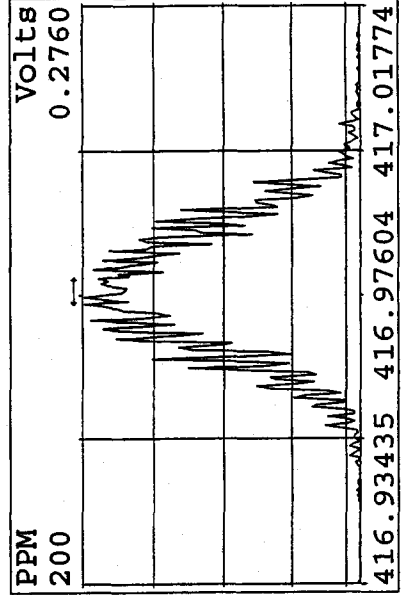
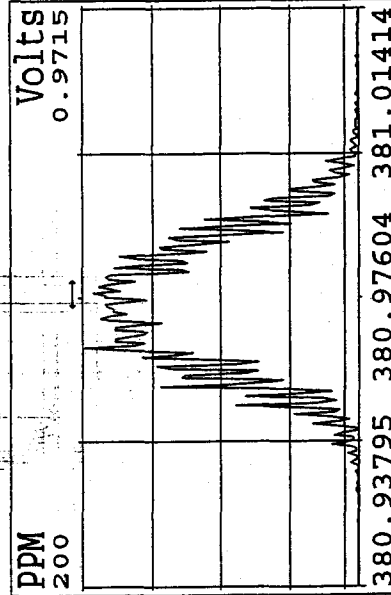
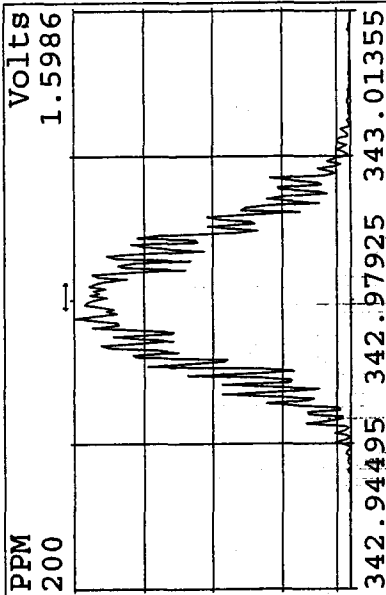
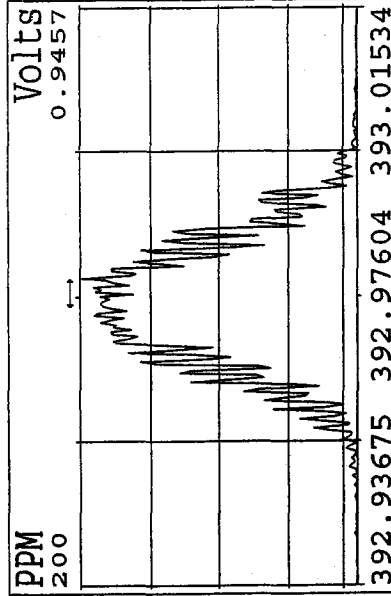
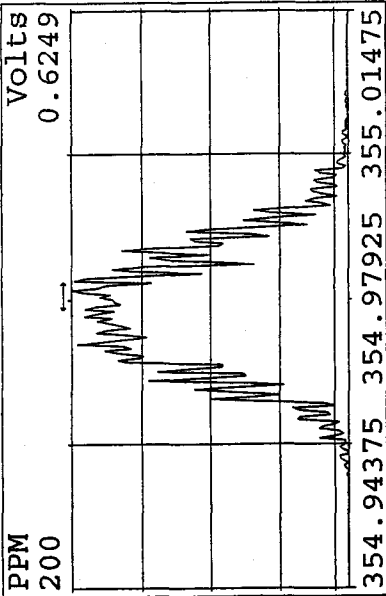
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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04JA10A1D5	2	CP0104	DB-5 CPSM 3732-04				1.000	
04JA10A1D5	3	SB0104	Solvent Blank C-14				1.000	
04JA10A1D5	4	LRNEV-1-AA	G9L280000-386B ✓	10	8290/SOLID	75	10.000	g
04JA10A1D5	5	LRNEV-1-AC	G9L280000-386C ✓	10	8290/SOLID		10.000	g
04JA10A1D5	6	LQ2K8-3-AC	G9L120491-3RX	10	8290/SOLID		10.310	g
04JA10A1D5	7	LQ2LD-3-AC	G9L120491-7RX	10	8290/SOLID		10.100	g
04JA10A1D5	8	LQ2LE-3-AC	G9L120491-8RX	10	8290/SOLID		10.020	g
04JA10A1D5	9	LQ2LE-1-AF	G9L120491-8S	10	8290/SOLID		10.080	g
04JA10A1D5	10	LQ2LE-1-AG	G9L120491-8D	10	8290/SOLID		10.170	g
04JA10A1D5	11	SB0104A	Solvent Blank C-14				1.000	
04JA10A1D5	12	ST0104A	CS3 09DXN425				1.000	
04JA10A1D5	13						1.000	
04JA10A1D5	14						1.000	
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04JA10A1D5	16		MG 01/04/10				1.000	

log file checked  
1-04-10 am

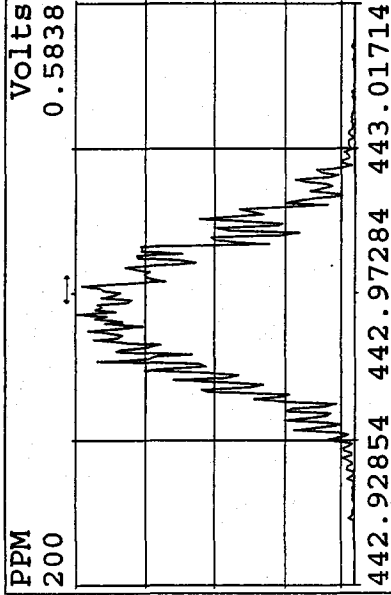
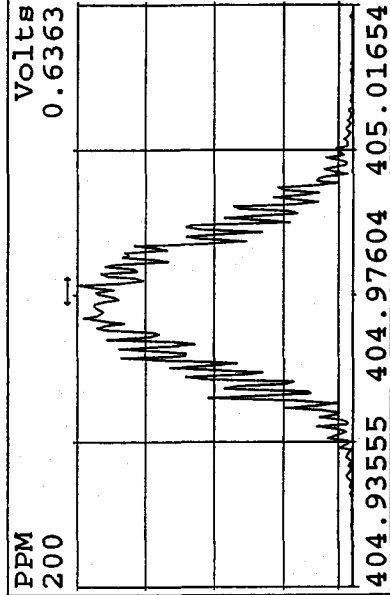
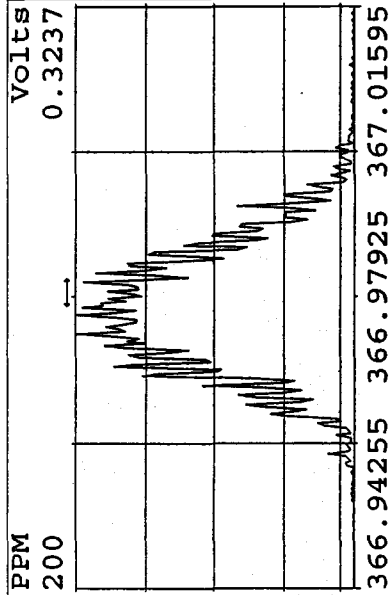
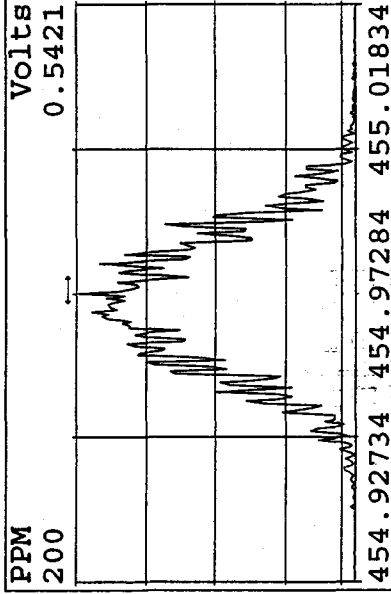
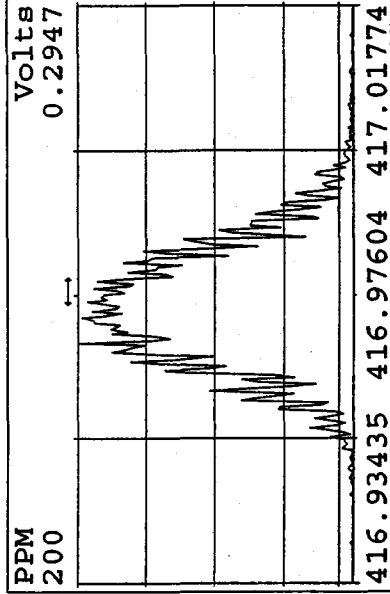
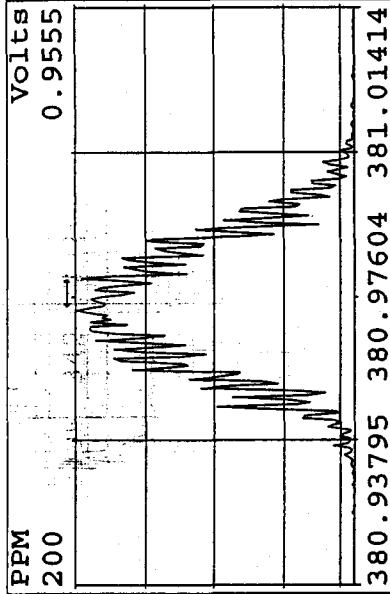
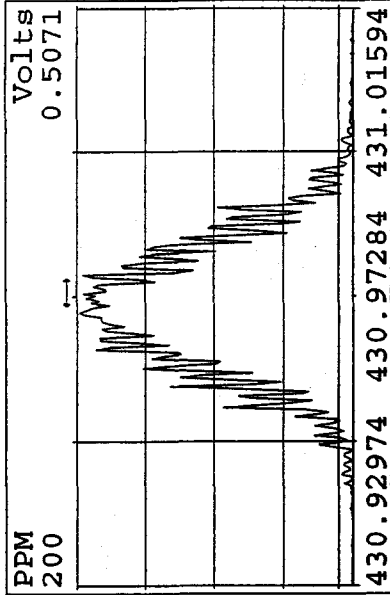
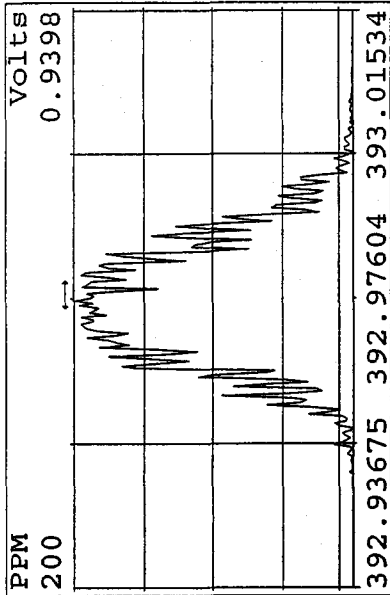
Peak Locate Examination: 4-JAN-2010:14:17 File:04JA10A1D5  
Experiment:DIOXIN Function:1 Reference:PFK



Peak Locate Examination: 4-JAN-2010:14:19 File:04JA10A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK

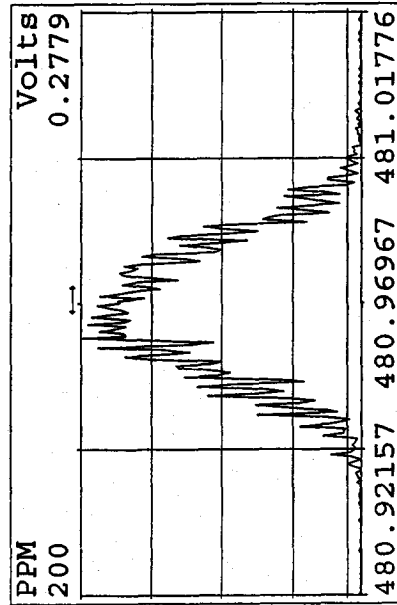
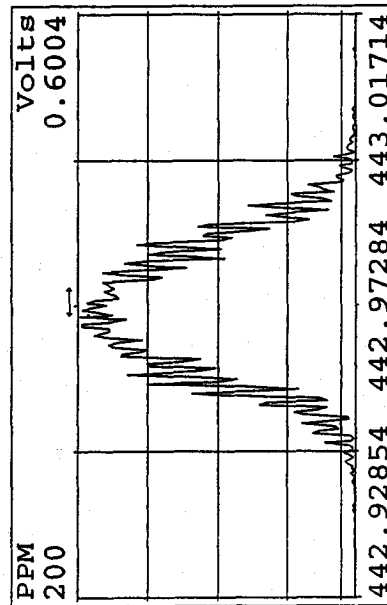
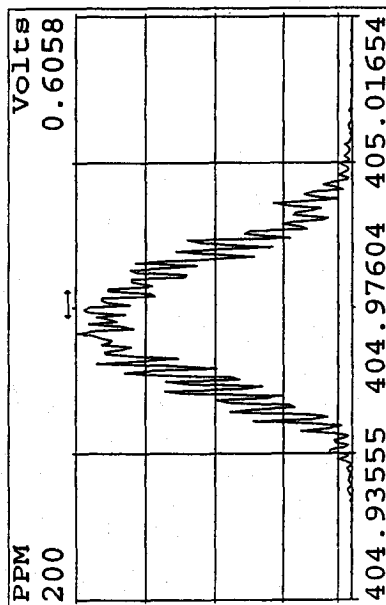
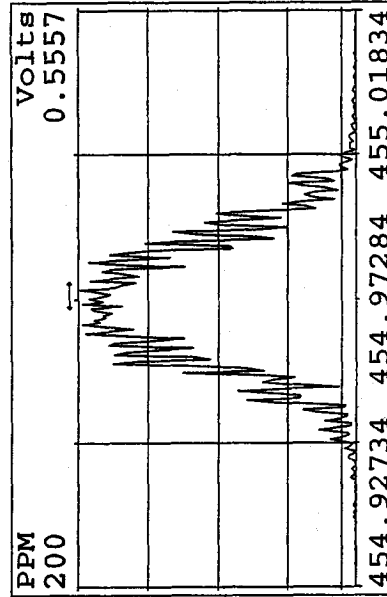
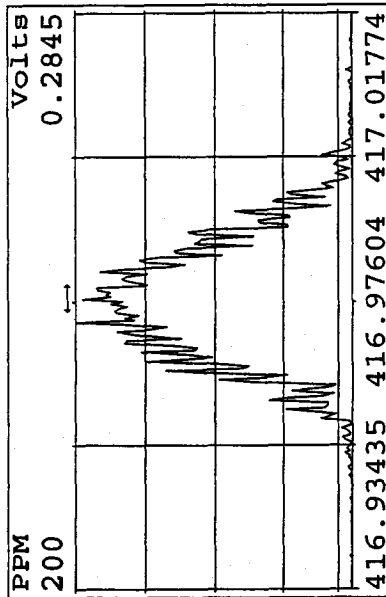
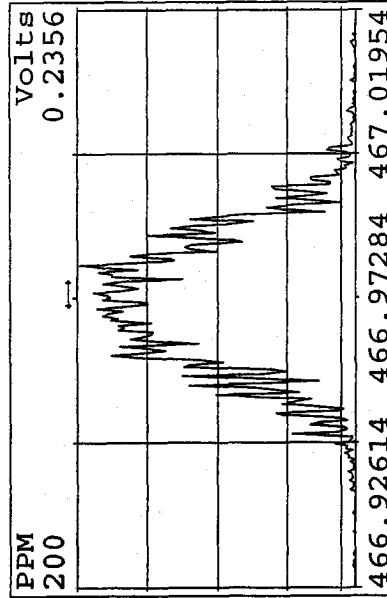
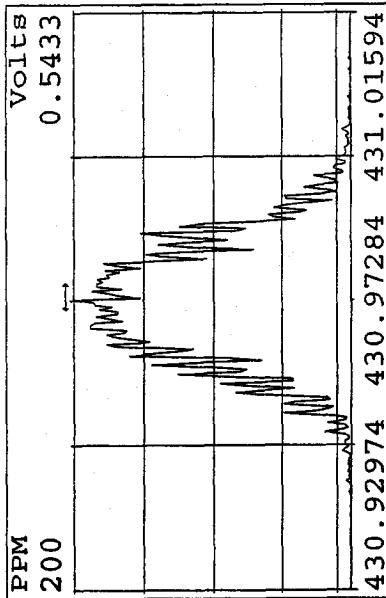


Peak Locate Examination: 4-JAN-2010:14:20 File:04JA10A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK

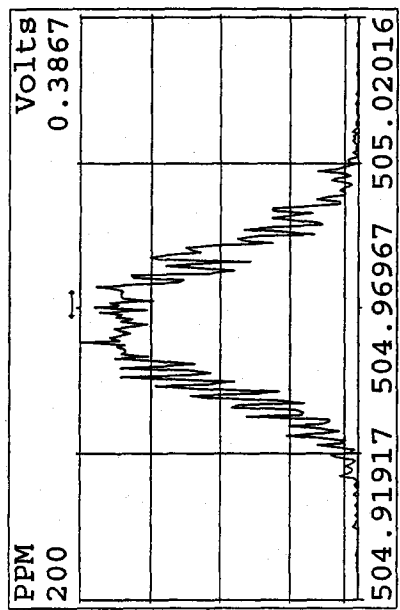
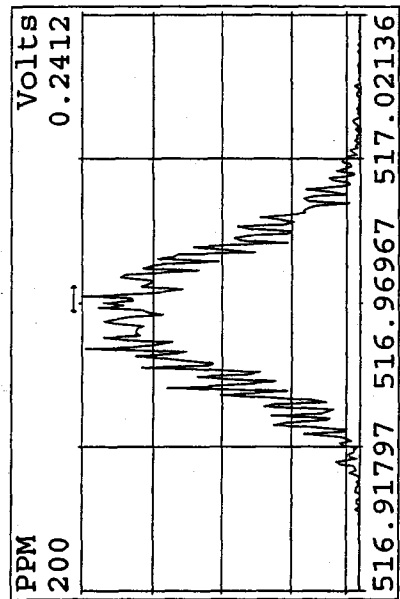
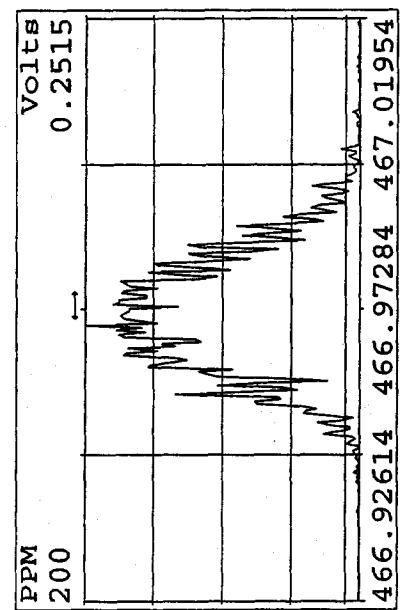
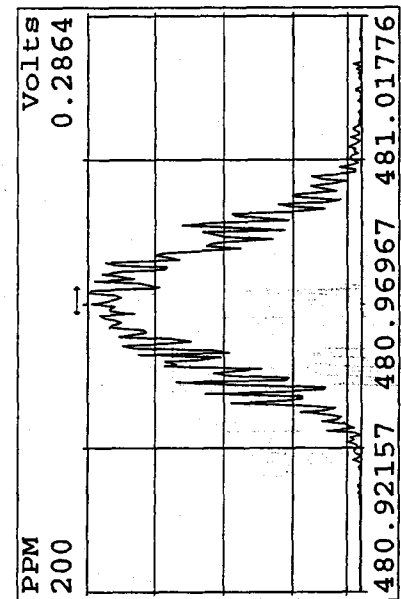
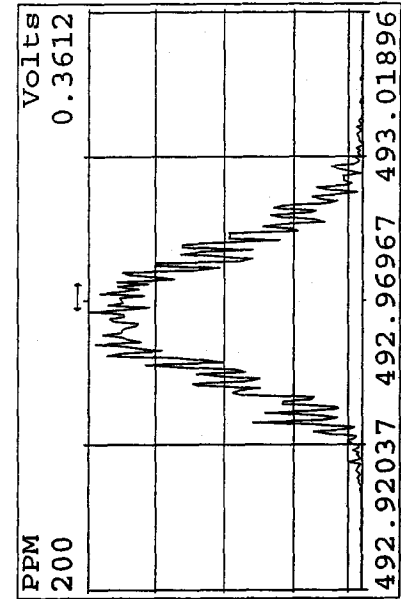
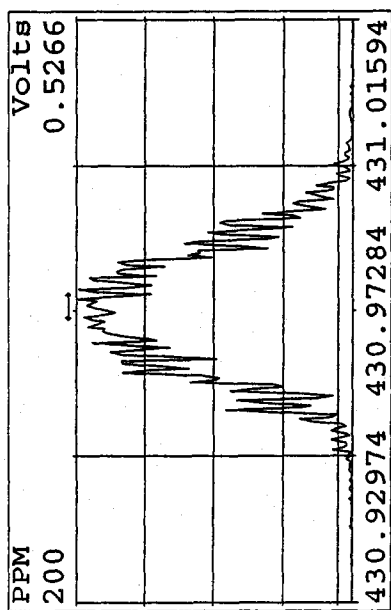
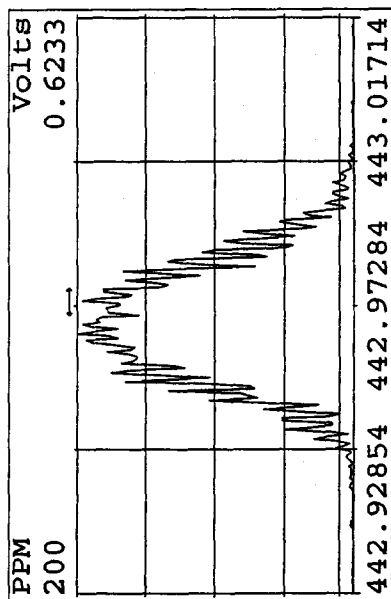
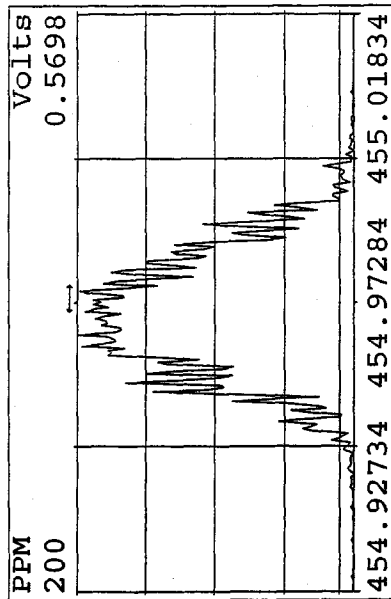




Peak Locate Examination: 4-JAN-2010:14:20 File:04JA10A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK

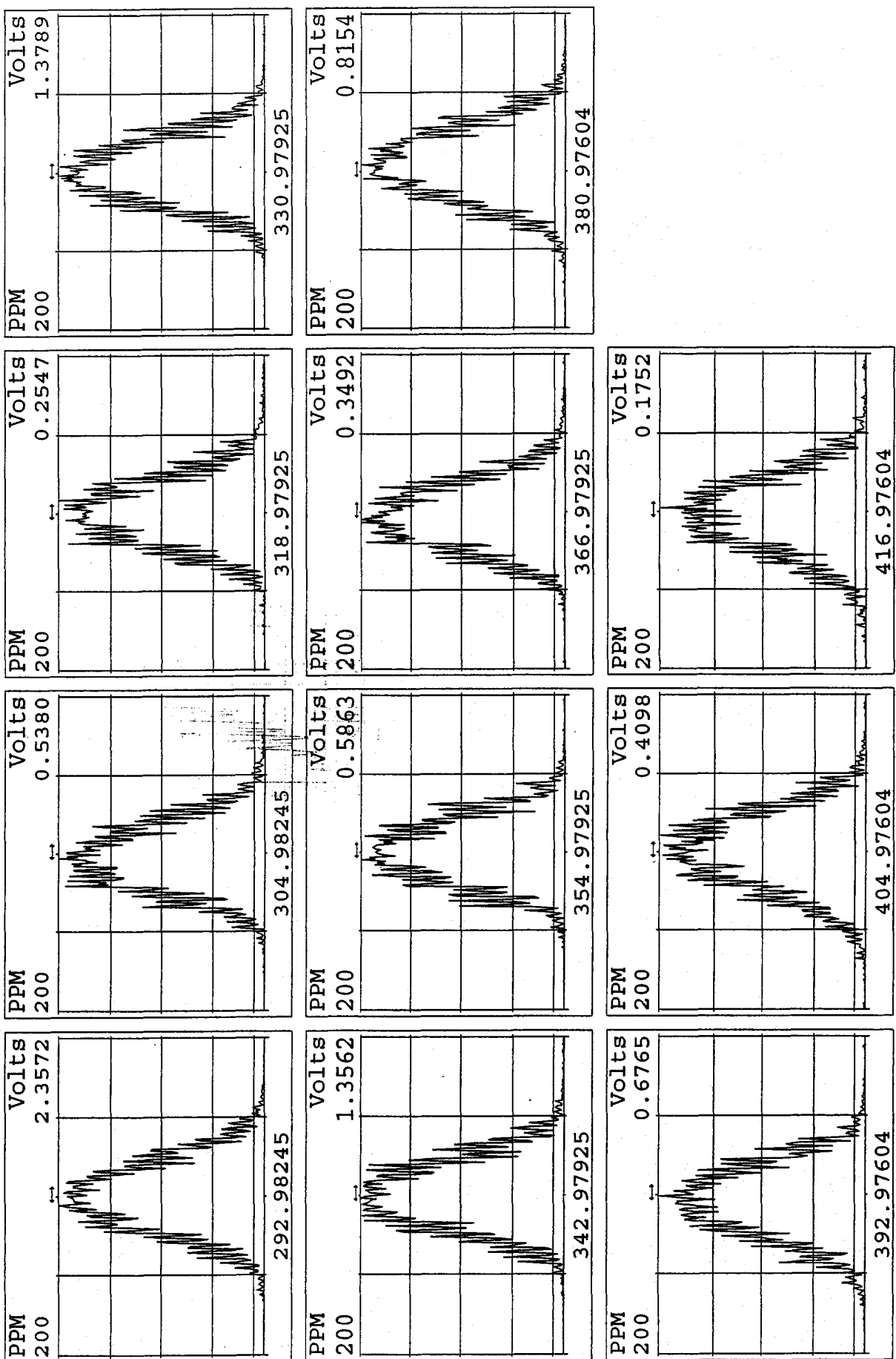


Peak Locate Examination: 4-JAN-2010:14:21 File:04JA10A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK

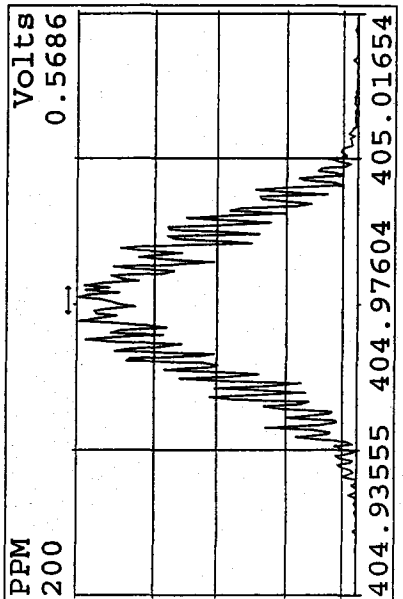
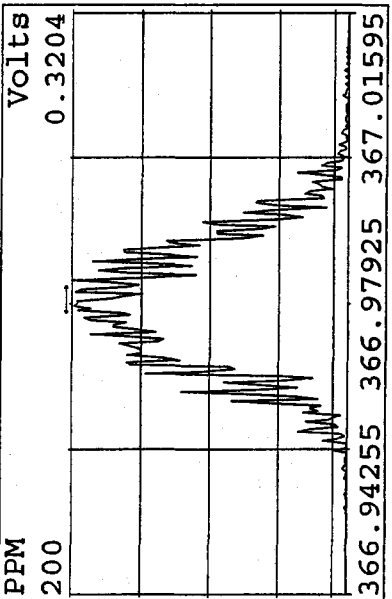
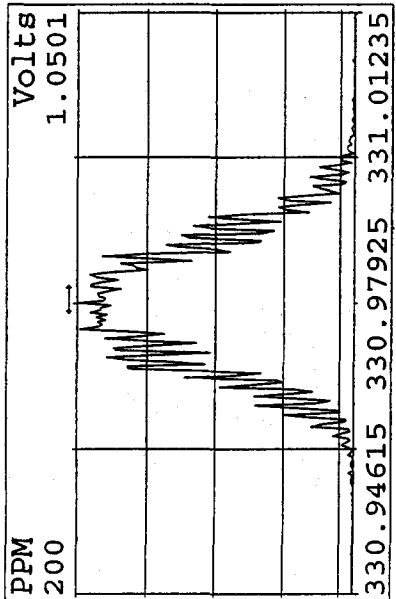
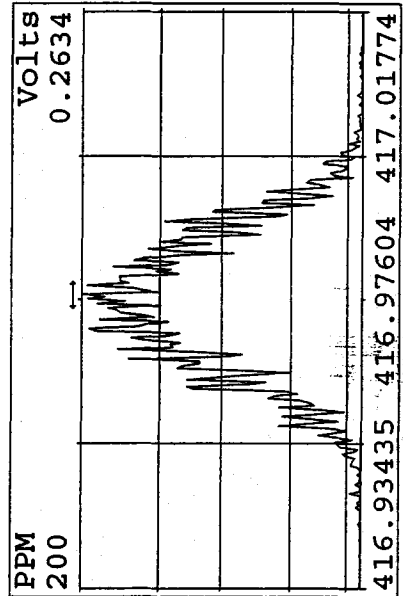
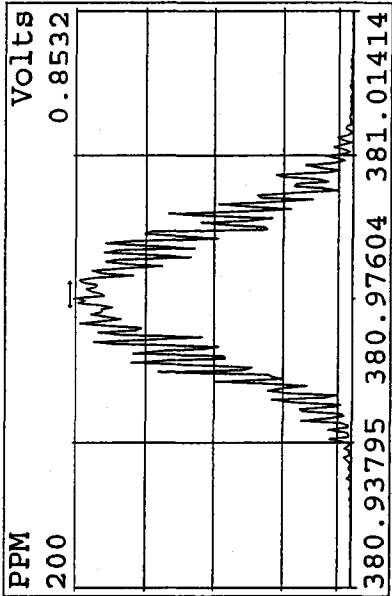
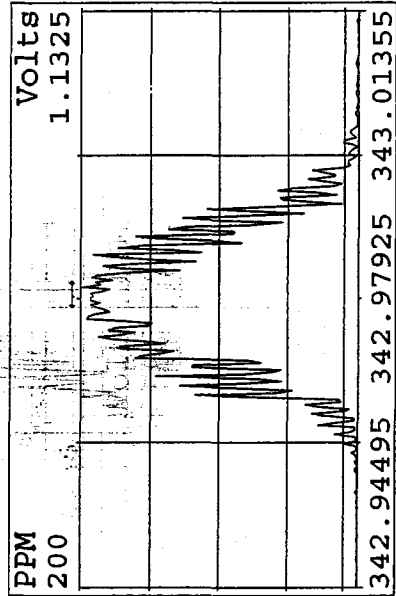
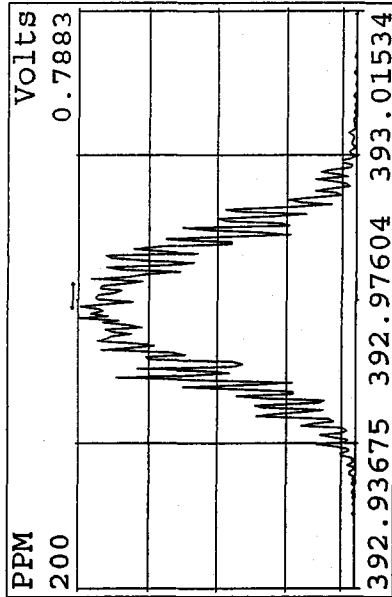
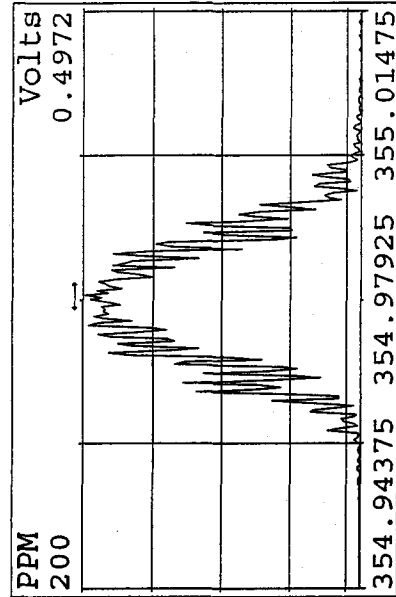


Peak Locate Examination: 4-JAN-2010:22:59 File:RESCHK04JA10A1D5

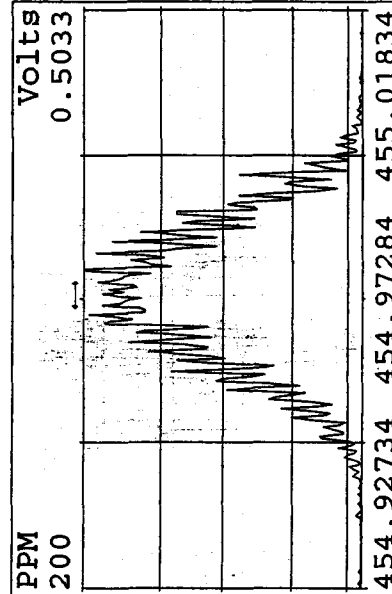
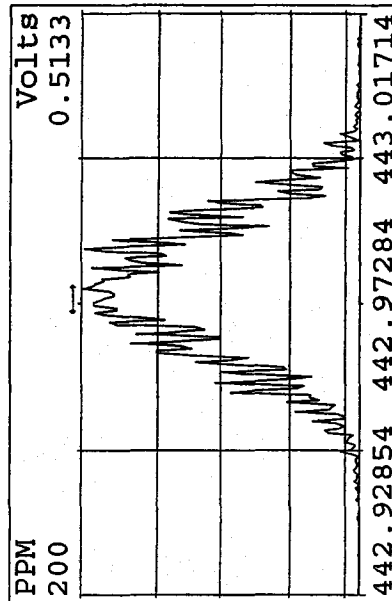
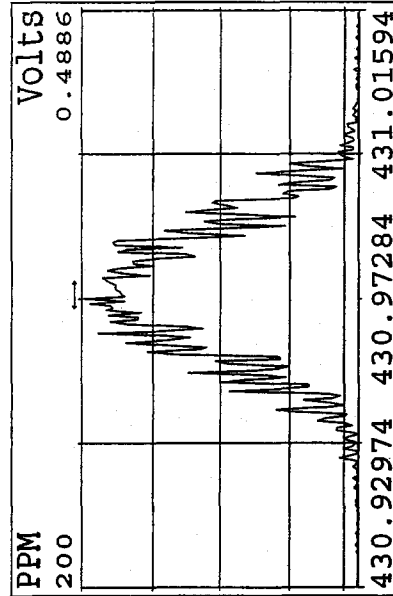
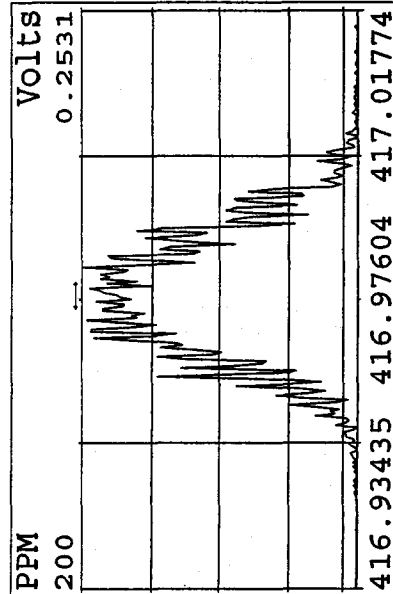
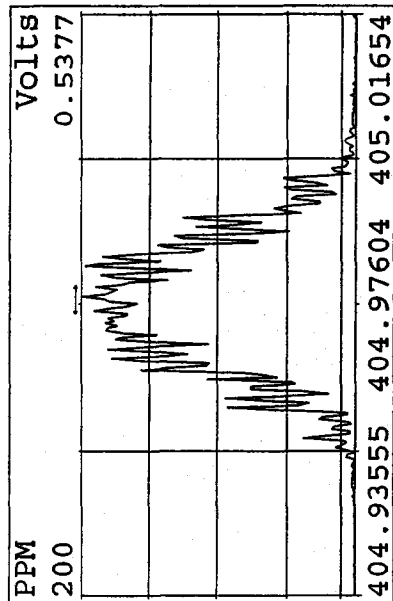
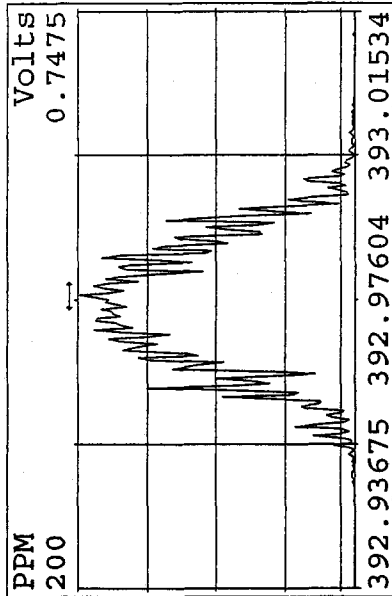
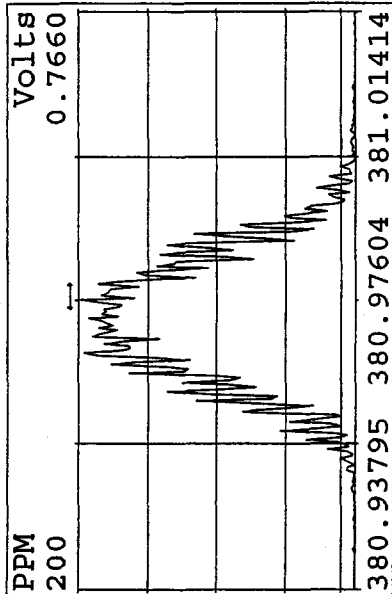
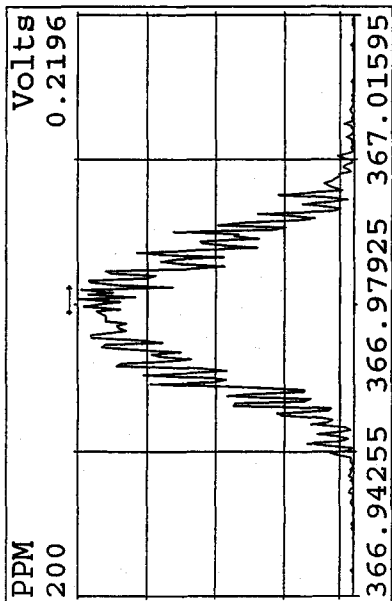
Experiment:DIOXIN Function:1 Reference:PFK



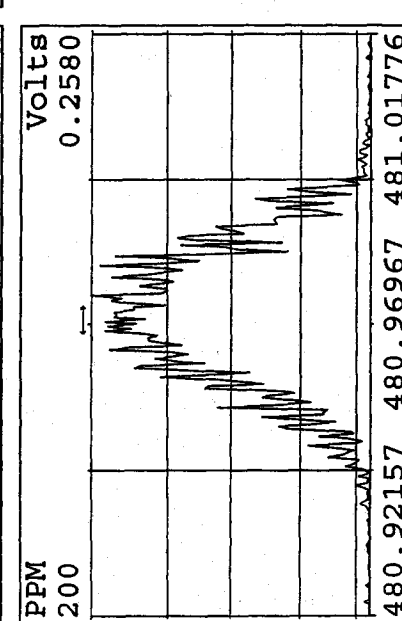
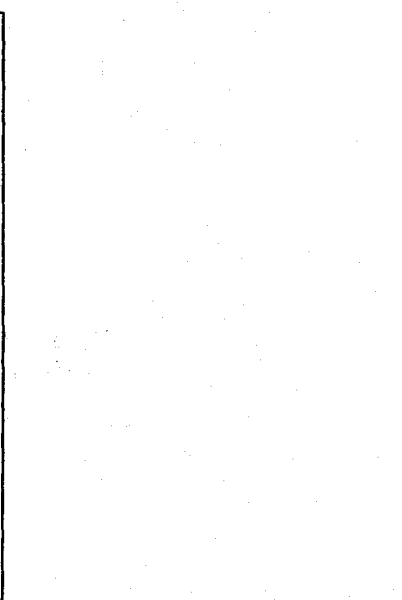
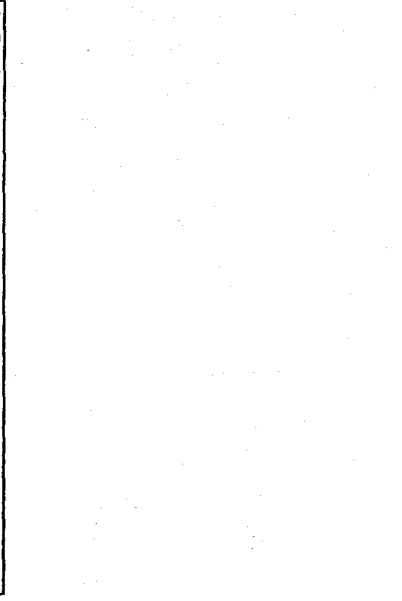
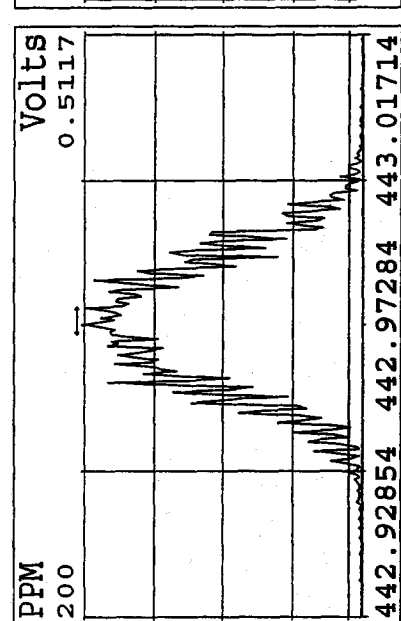
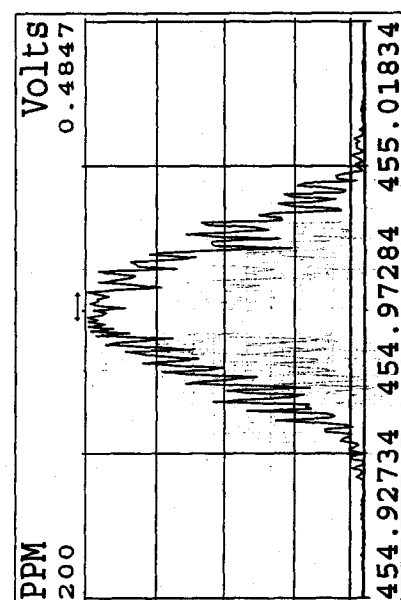
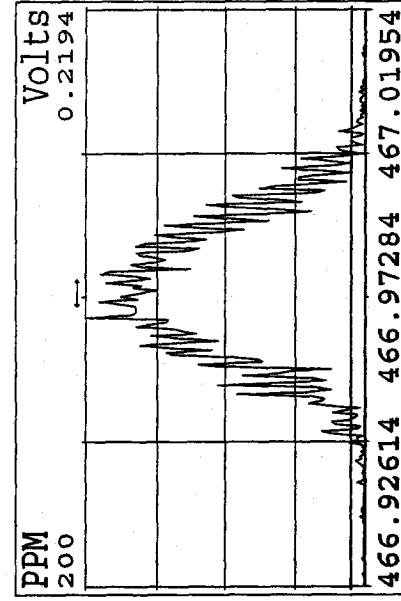
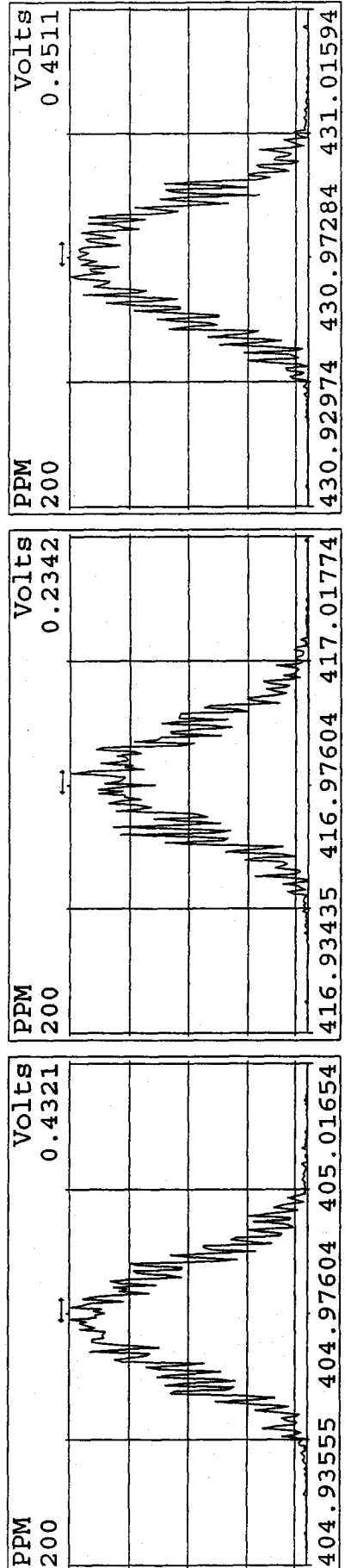
Peak Locate Examination: 4-JAN-2010:23:01 File:RESCHK04JA10A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



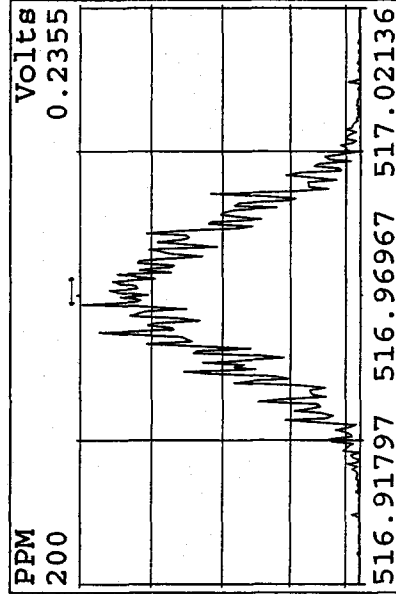
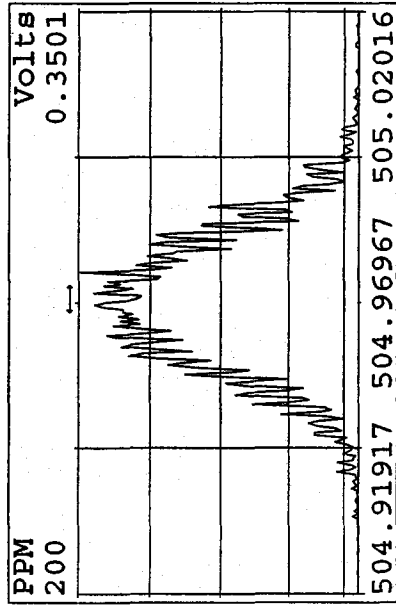
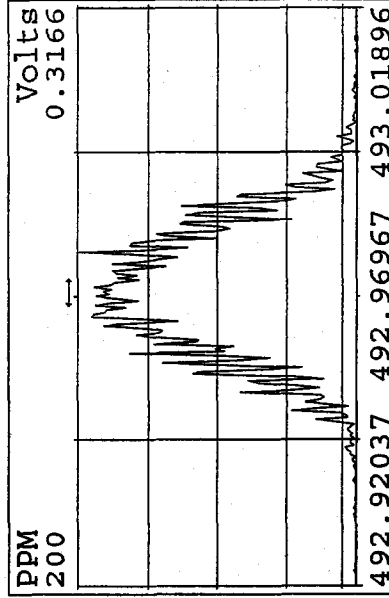
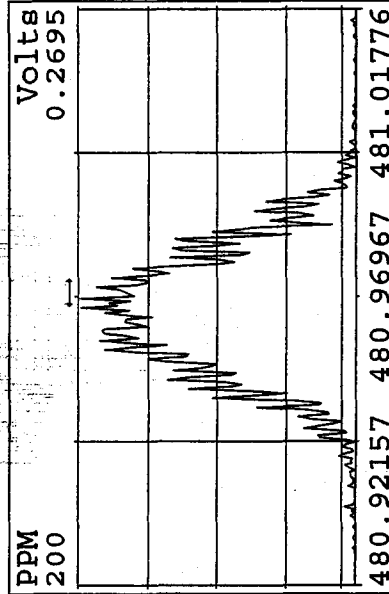
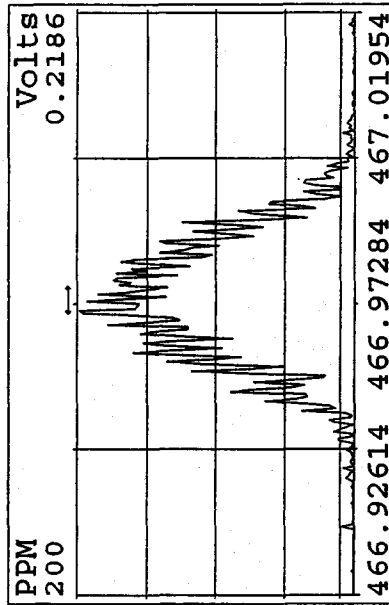
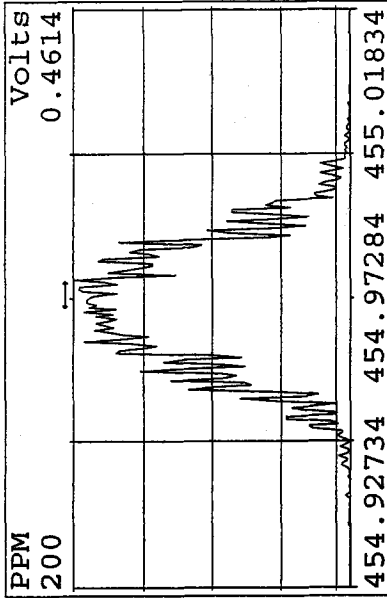
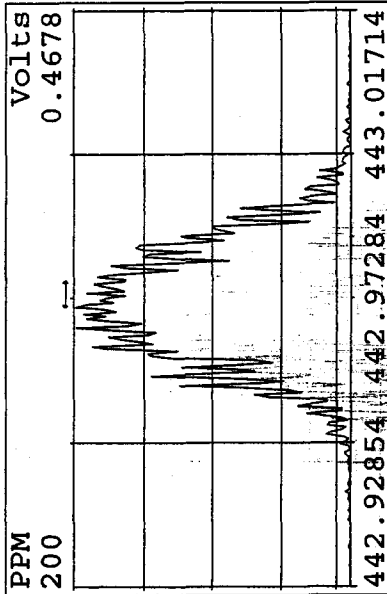
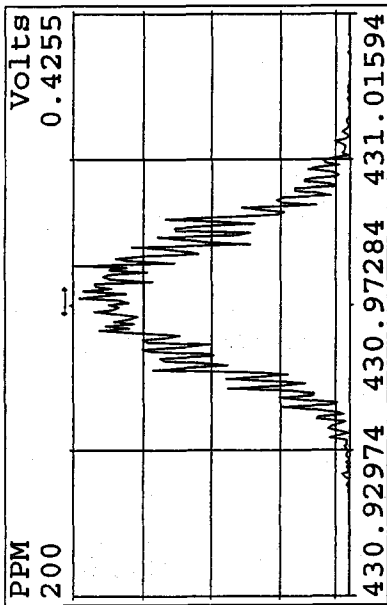
Peak Locate Examination: 4-JAN-2010:23:02 File:RESCHK04JA10A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



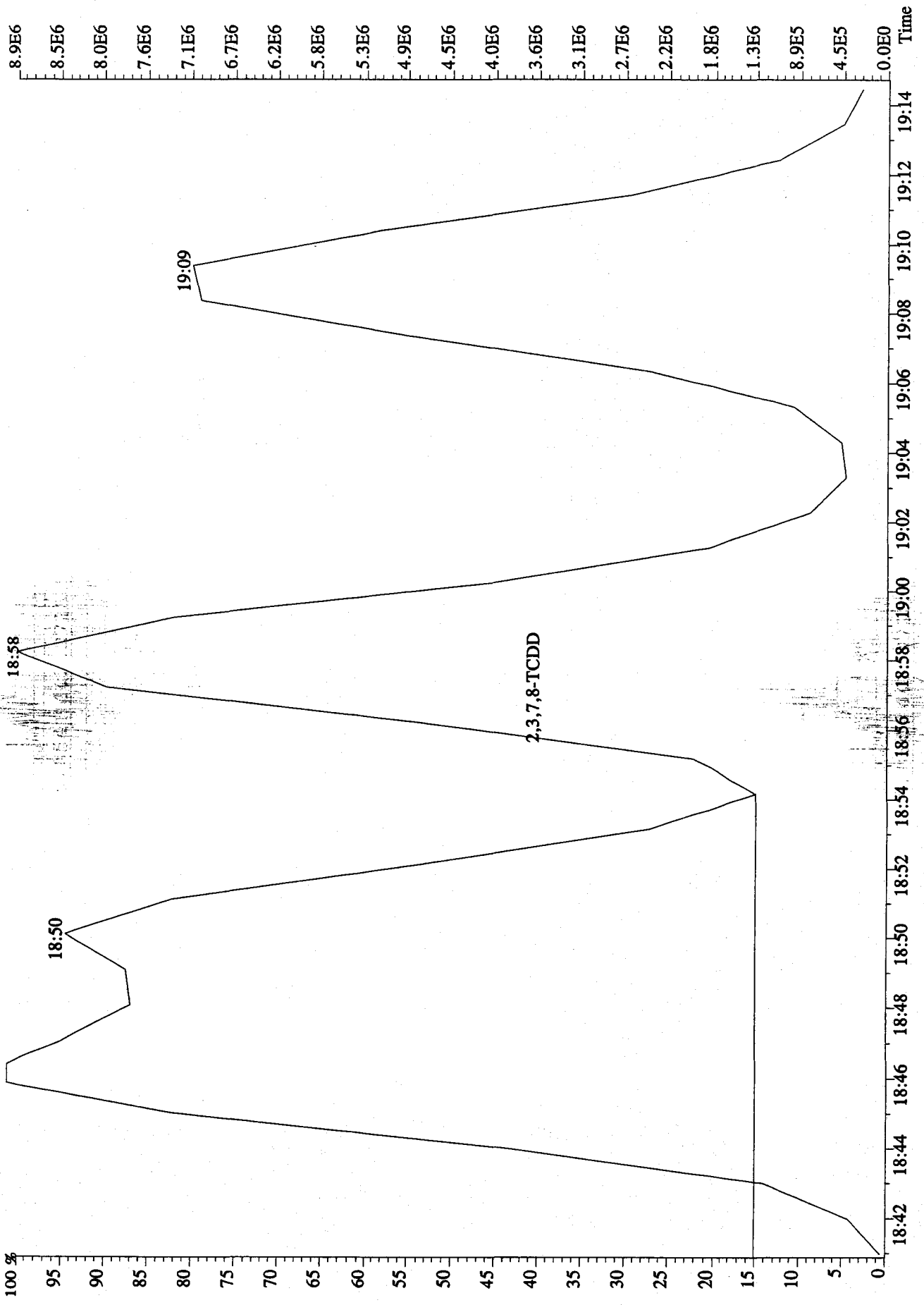
Peak Locate Examination: 4-JAN-2010:23:03 File:RESCHK04JA10AID5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 4-JAN-2010:23:05 File:RESCHK04JA10ALD5  
 Experiment:DIOXIN Function:5 Reference:PFK



File:04JA10A1D5 #1-339 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Exp:DIOXIN  
 321.8936 S:2





Run: 04JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5

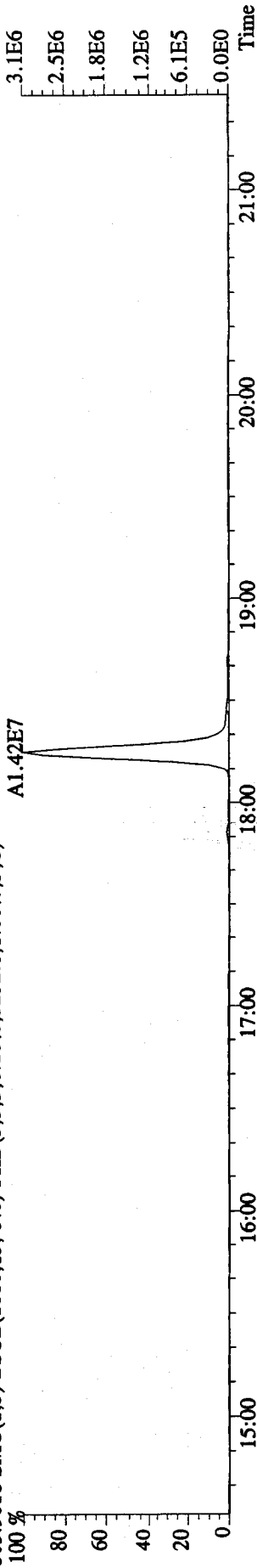
ST1231B : CS-1 09DXN422 ST1231C : CS-2 09DXN423 ST1231D : CS-3 09DXN425  
 ST1231E : CS-4 09DXN426 ST1231F : CS-5 09DXN456

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

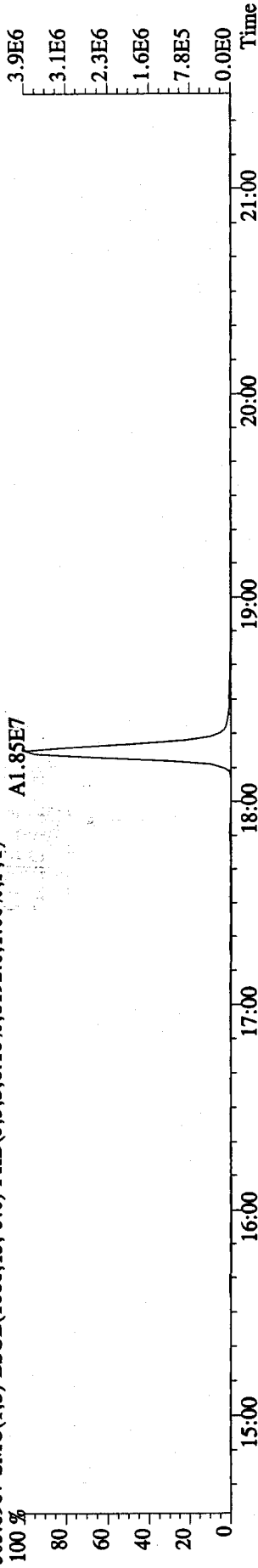
Name	Mean	S. D.	%RSD	S2	RRF1	S3	RRF2	S4	RRF3	S5	RRF4	S6	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.48	1.48	1.64	0.87	1.53	1.53	1.66	0.98
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.77	0.77	0.87	0.87	0.91	0.91	0.98	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.77	0.77	0.87	0.87	0.91	0.91	0.98	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	0.93	0.93	1.01	0.95	0.97	0.97	1.12	1.07
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.77	0.77	0.95	0.95	1.01	1.01	1.07	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.77	0.77	0.95	0.95	1.01	1.01	1.07	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	1.82	1.82	2.18	2.18	2.33	2.33	2.74	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	0.98	0.98	1.09	1.04	1.03	1.03	1.26	1.11
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	0.90	0.90	1.04	0.97	1.10	1.10	1.11	1.05
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.84	0.84	0.97	1.01	1.05	1.05	1.08	1.08
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	0.87	0.87	1.01	1.01	1.08	1.08	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	0.87	0.87	1.01	1.01	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	0.59	0.67	0.94	0.67	0.67	0.80	1.06
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.81	0.81	0.94	0.94	1.04	1.04	1.06	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.81	0.81	0.94	0.94	1.04	1.04	1.06	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	0.88	0.88	0.90	1.31	0.76	0.76	0.94	1.32
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.08	1.08	1.31	1.48	1.33	1.33	1.45	1.45
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.30	1.30	1.48	1.32	1.51	1.51	1.36	1.36
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.15	1.15	1.44	1.44	1.36	1.36	1.42	1.42
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.19	1.19	1.44	1.44	1.57	1.57	1.42	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.18	1.18	1.39	1.39	1.44	1.44	1.38	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.69	0.69	0.75	0.98	0.61	0.61	0.78	1.11
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.88	0.88	0.98	0.98	1.15	1.15	1.11	1.11

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

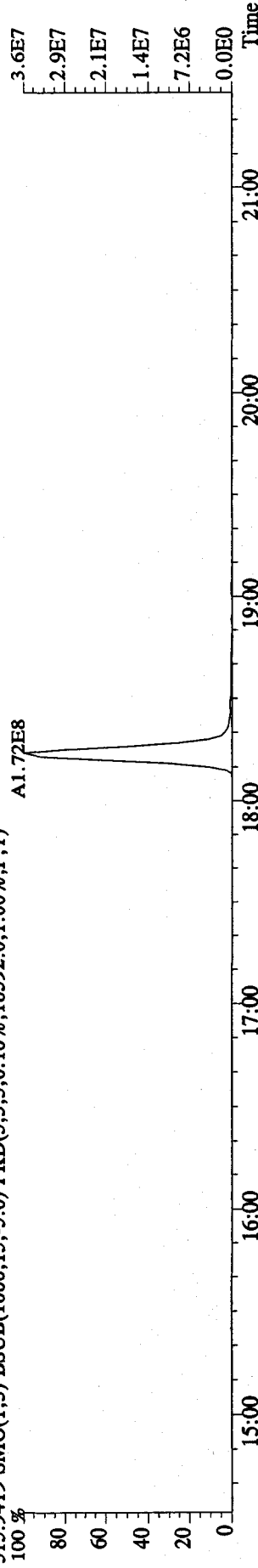
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5252.0,1.00%,F,T)



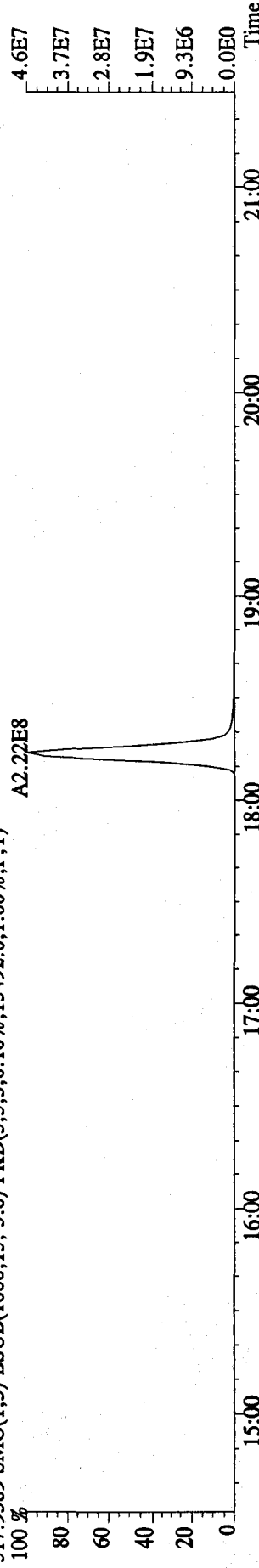
305.8987 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8192.0,1.00%,F,T)



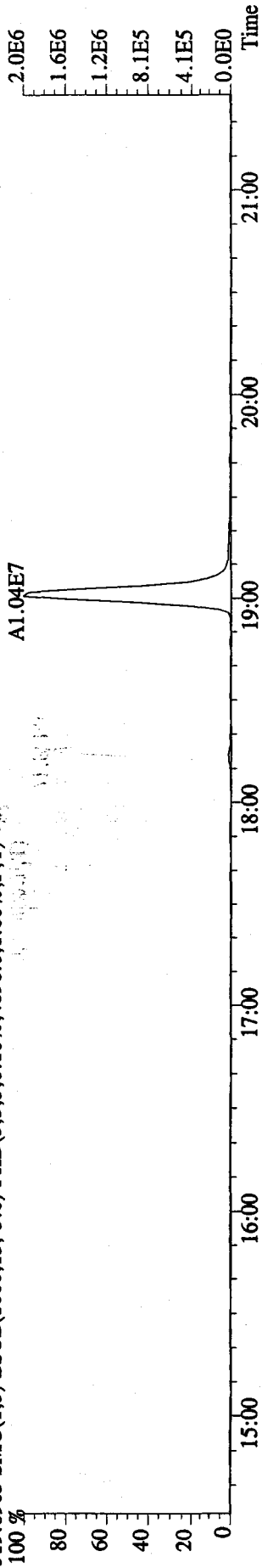
315.9419 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,18592.0,1.00%,F,T)



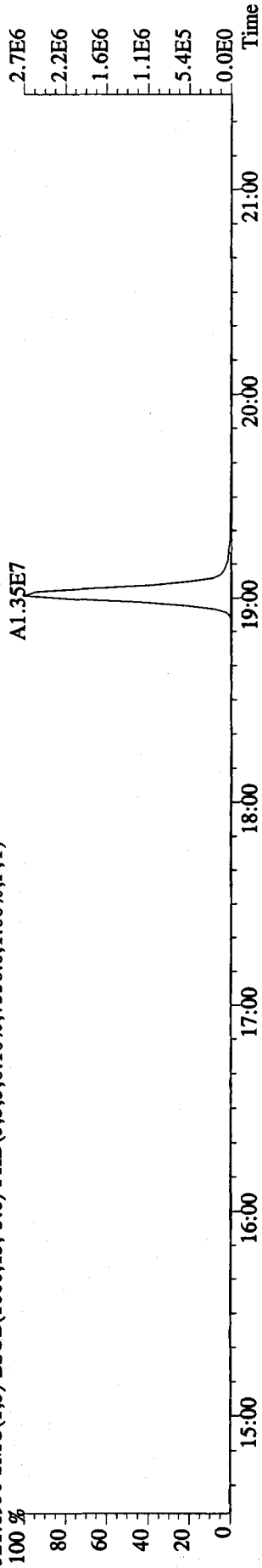
317.9389 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13492.0,1.00%,F,T)



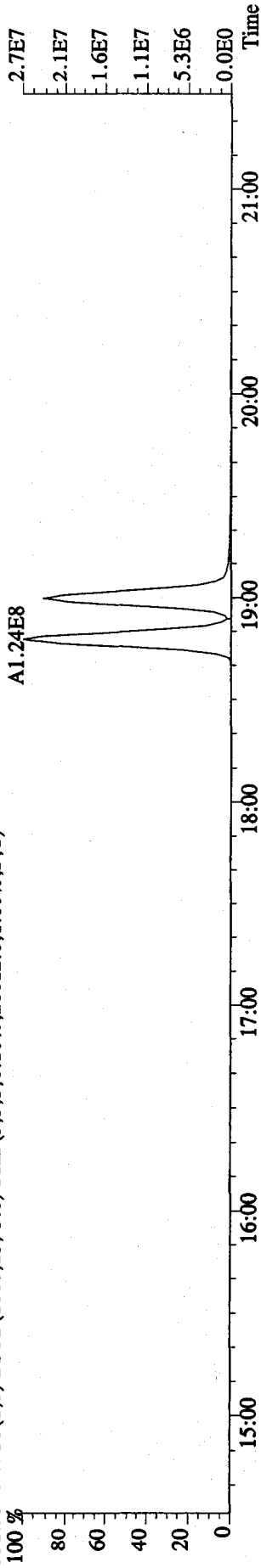
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4896.0,1.00%,F,T)



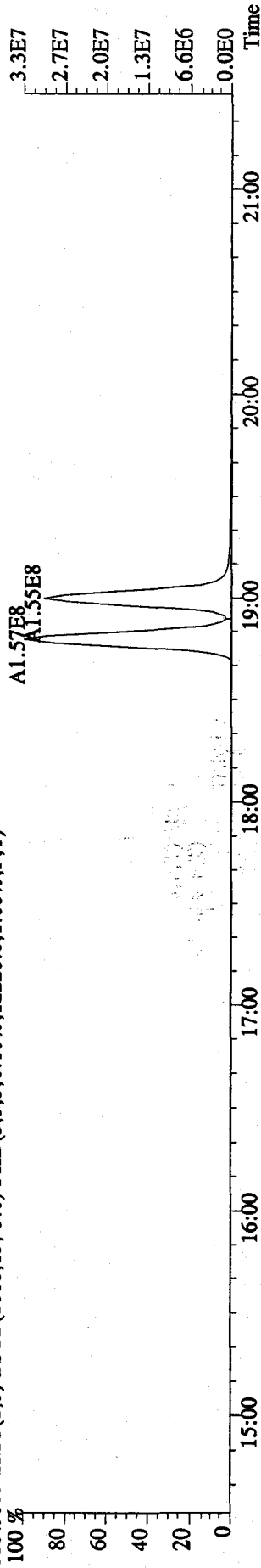
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7536.0,1.00%,F,T)



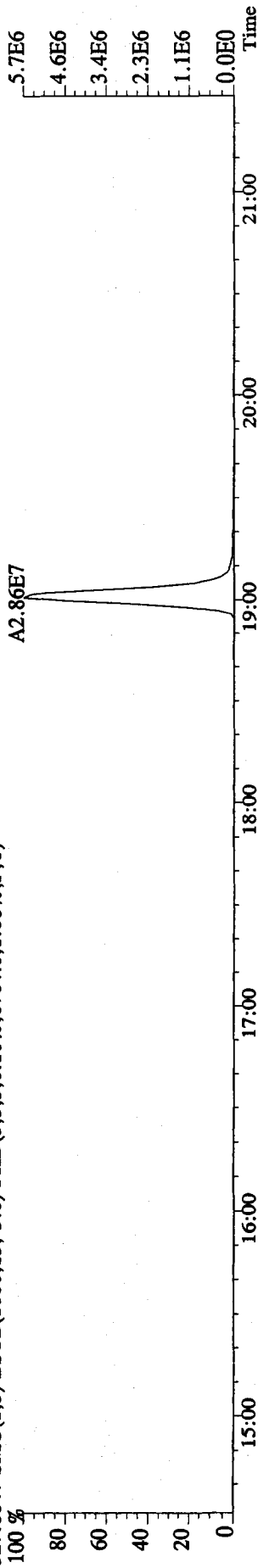
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,28012.0,1.00%,F,T)



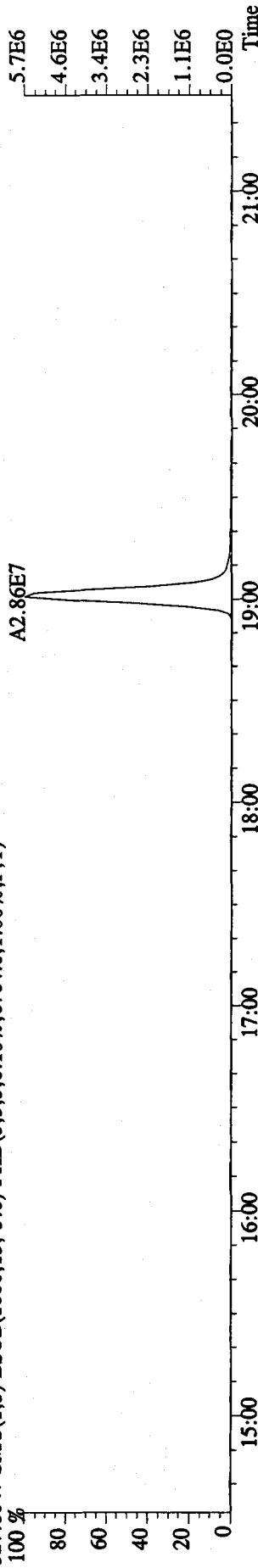
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12220.0,1.00%,F,T)



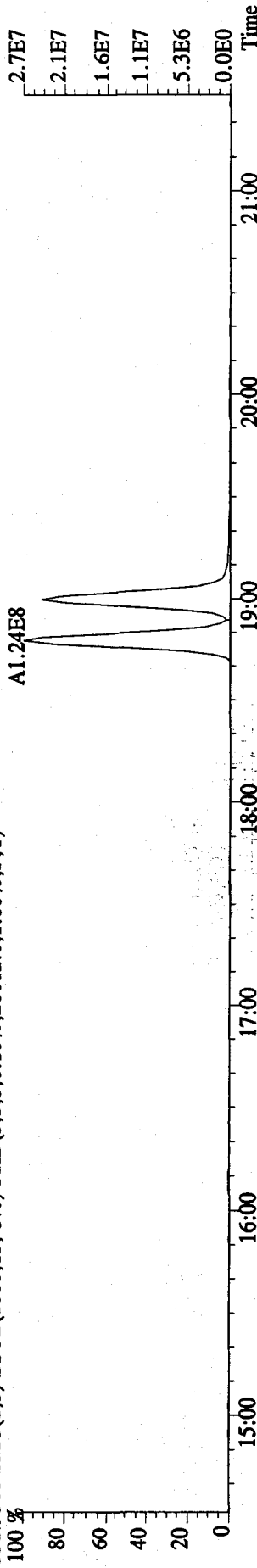
File:04JA10AID5 #1-411 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6704.0,1.00%,F,T)



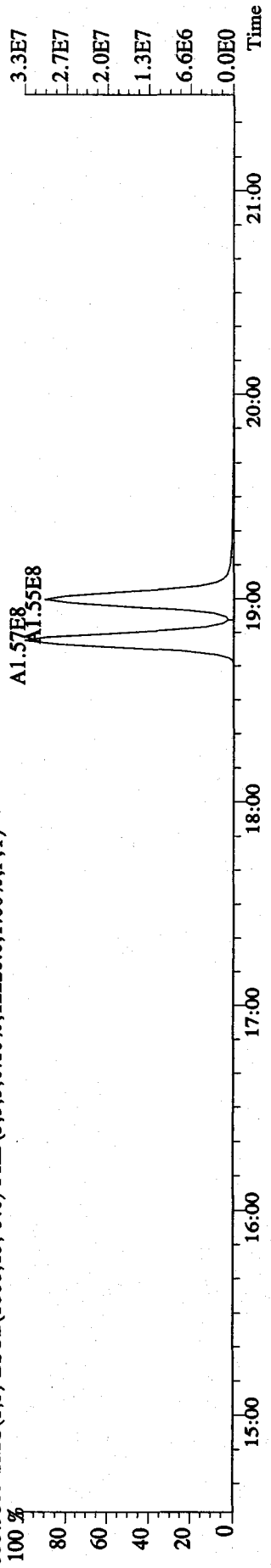
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6704.0,1.00%,F,T)



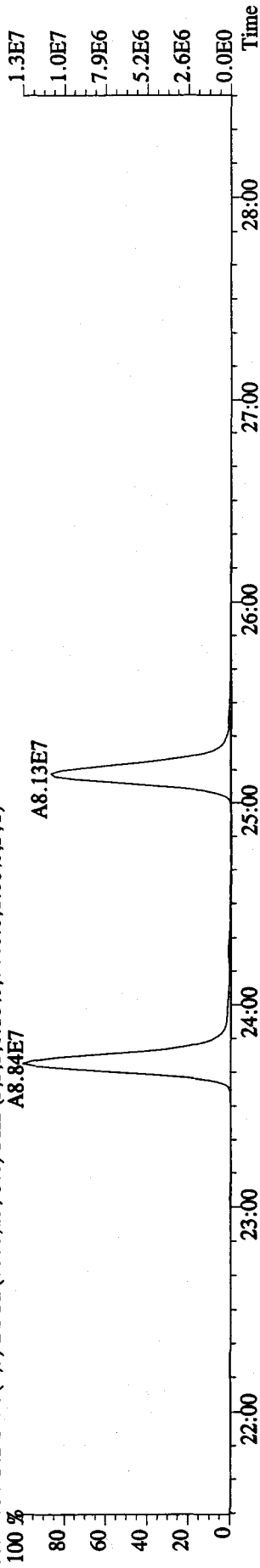
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28012.0,1.00%,F,T)



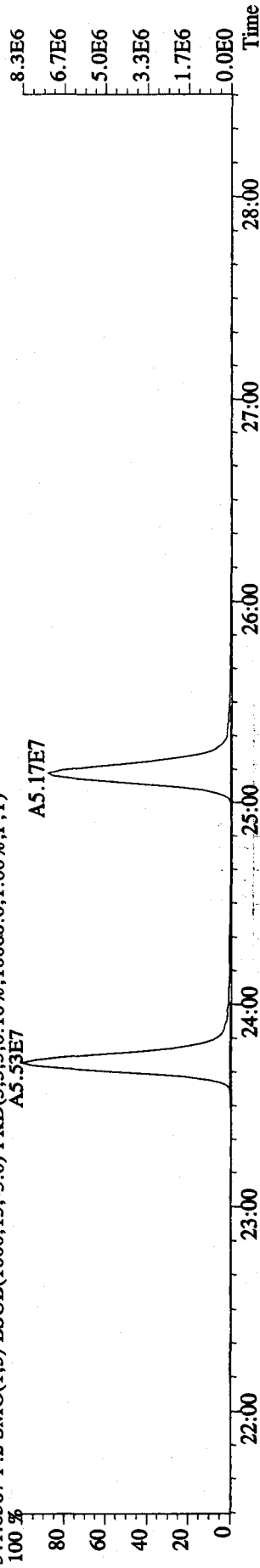
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12220.0,1.00%,F,T)



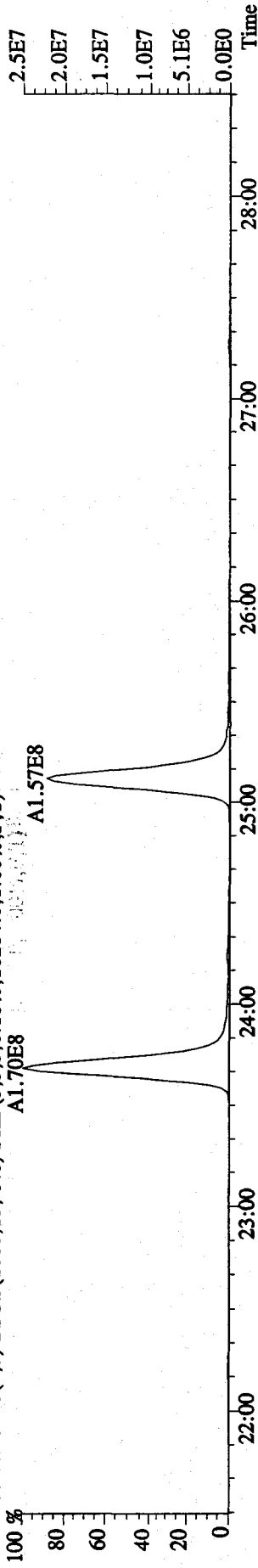
File:04JA10A1D5 #1-494 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 339.8597 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7440.0,1.00%,F,T)  
 100 % A8.84E7



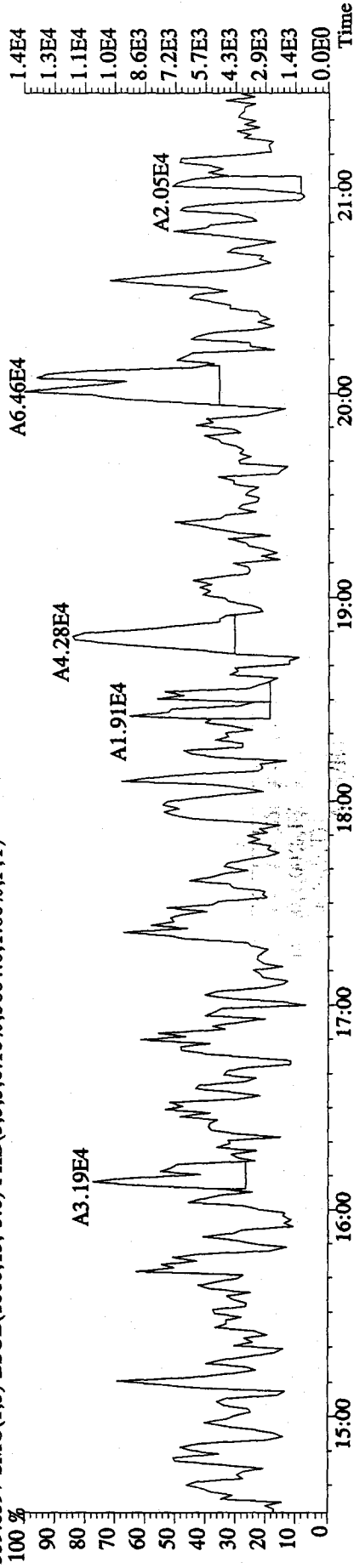
351.9000 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,16284.0,1.00%,F,T)  
 100 % A1.70E8



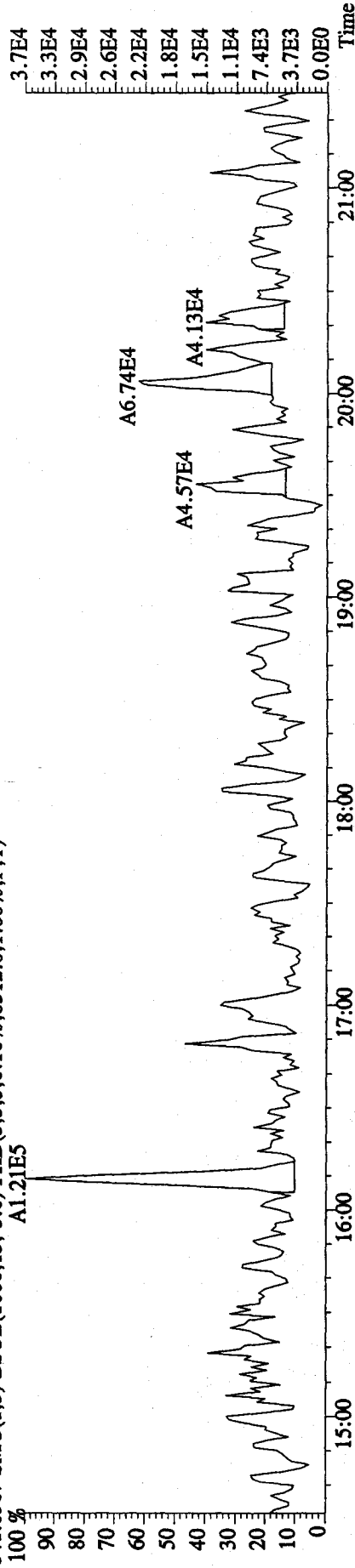
353.8970 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,17344.0,1.00%,F,T)  
 100 % A1.03E8



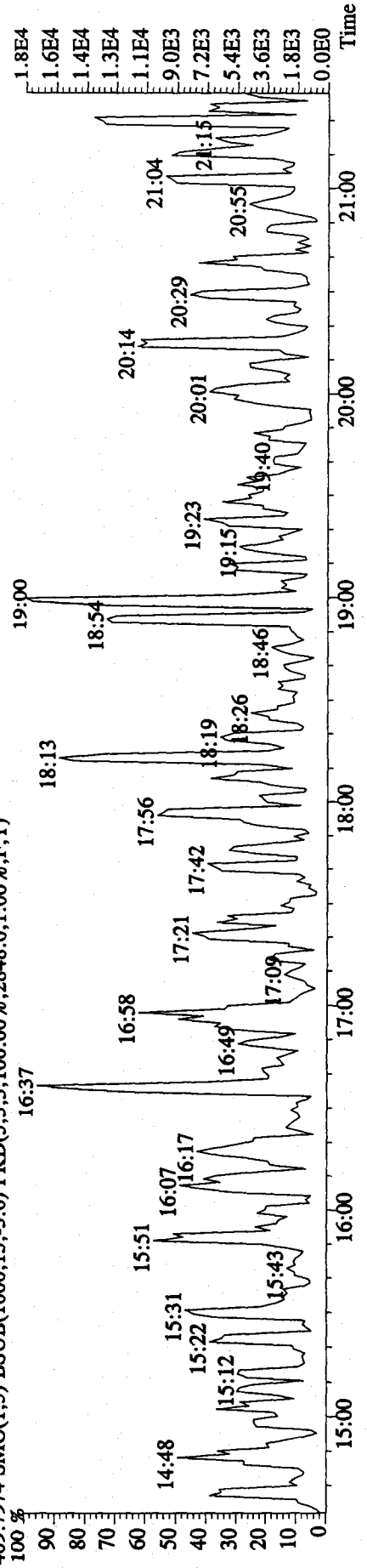
File: 04JA10AID5 #1-411 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: ST0104 : CS3 09DXN425 Exp: DIOXIN  
 339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5664.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8512.0,1.00%,F,T)



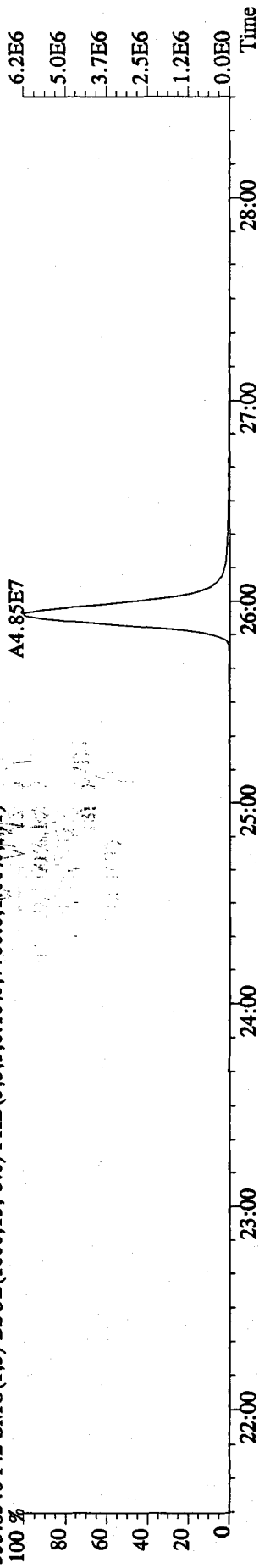
409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2848.0,1.00%,F,T)



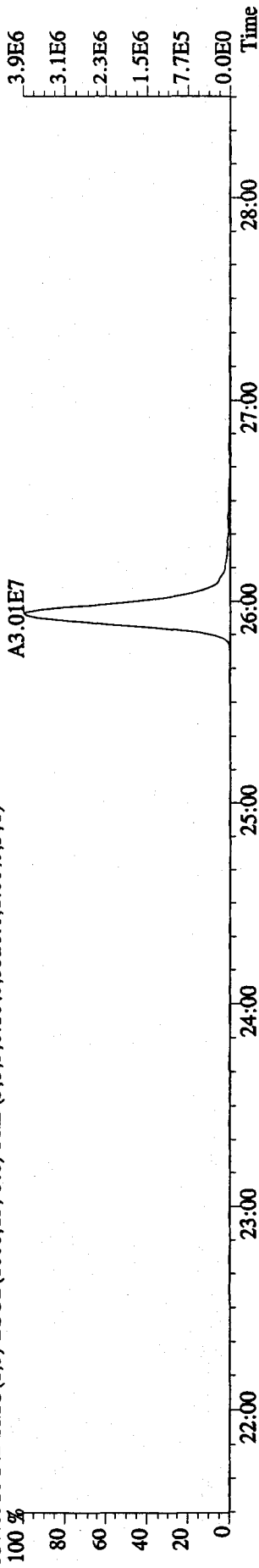
File:04JA10A1D5 #1-494 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN

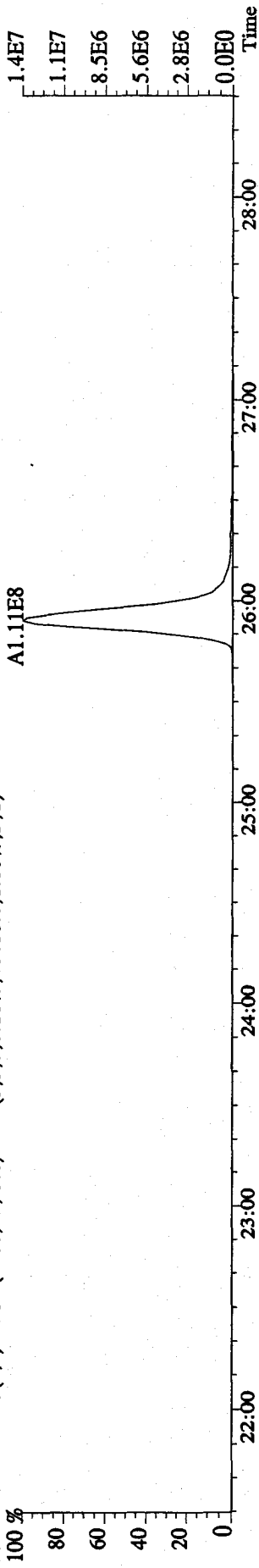
355.8546 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7700.0,1.00%,F,T)



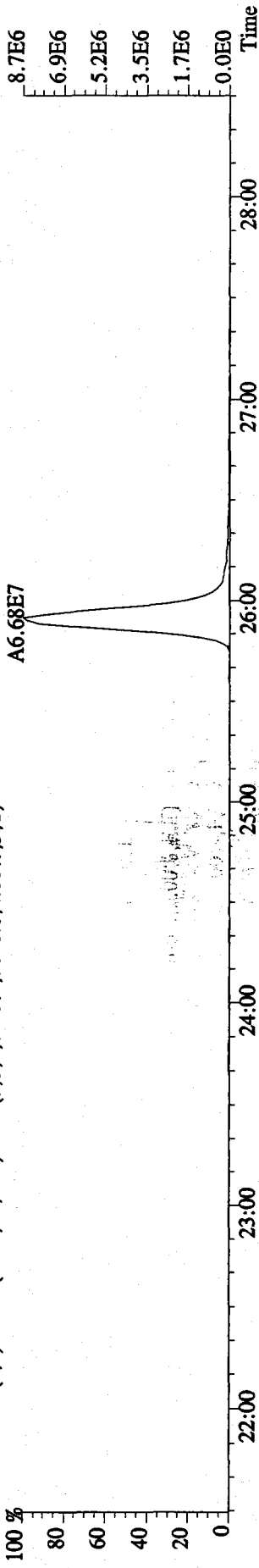
367.8916 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5520.0,1.00%,F,T)



369.8949 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10480.0,1.00%,F,T)

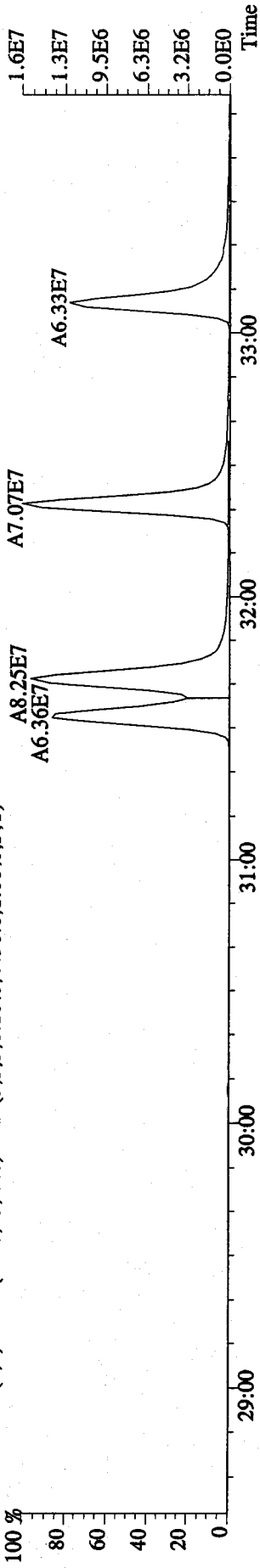


369.8919 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5676.0,1.00%,F,T)

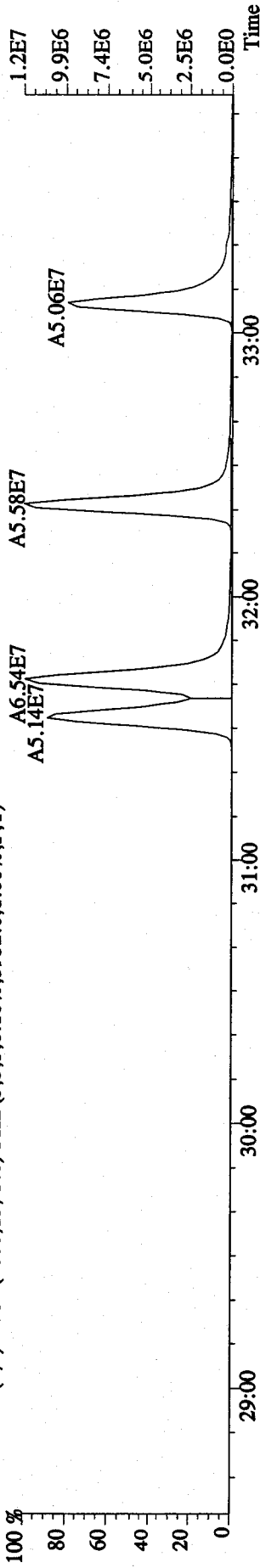




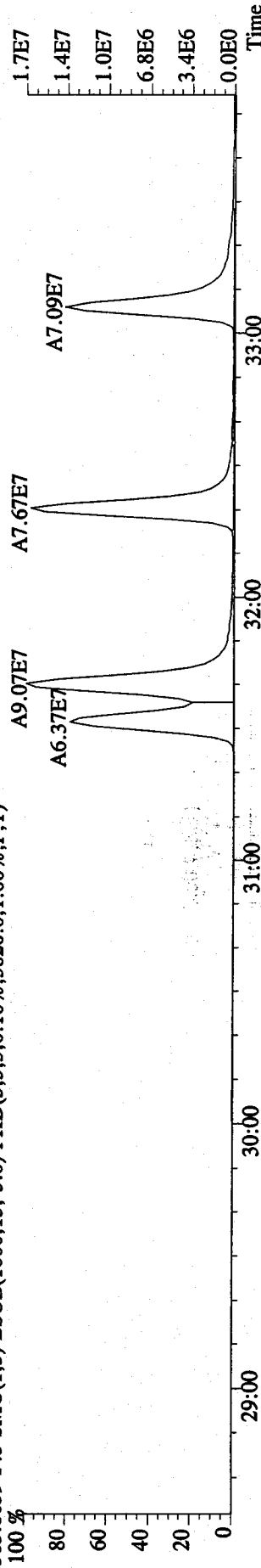
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4496.0,1.00%,F,T)



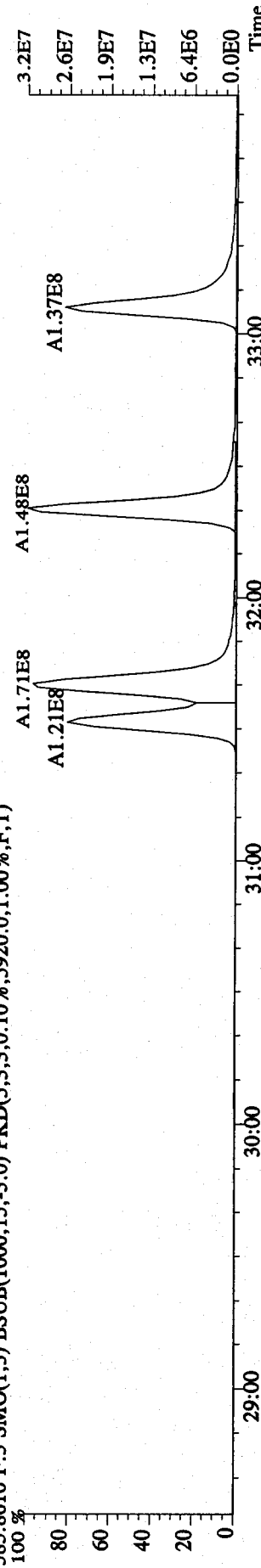
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3932.0,1.00%,F,T)



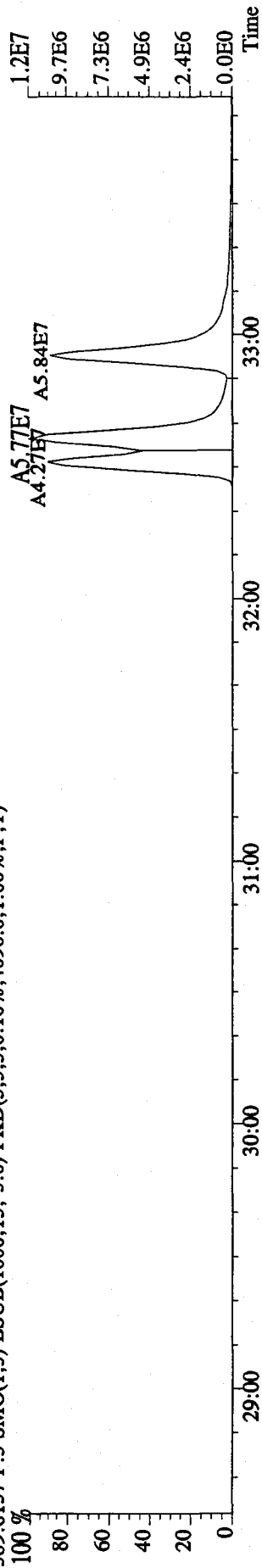
383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5820.0,1.00%,F,T)



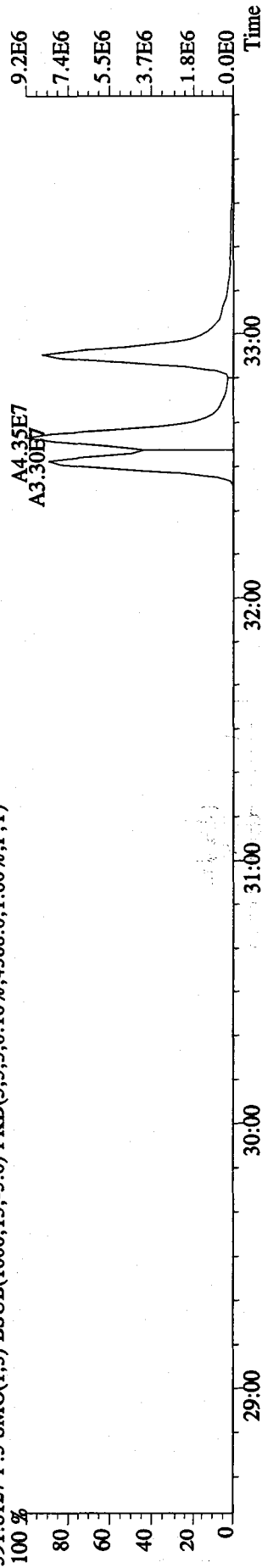
385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5920.0,1.00%,F,T)



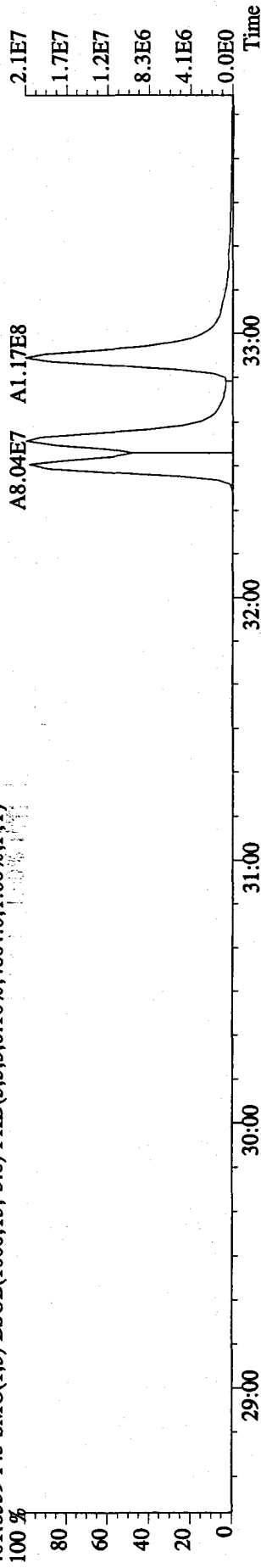
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4096.0,1.00%,F,T)



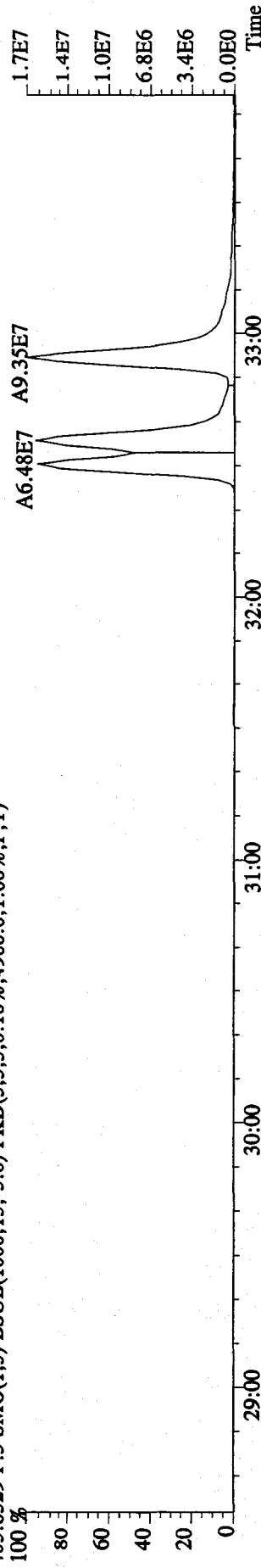
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4388.0,1.00%,F,T)



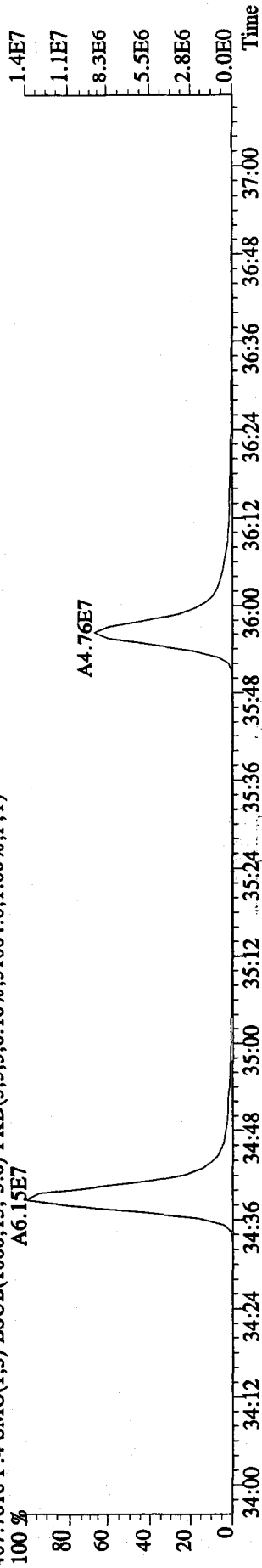
401.8559 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4864.0,1.00%,F,T)



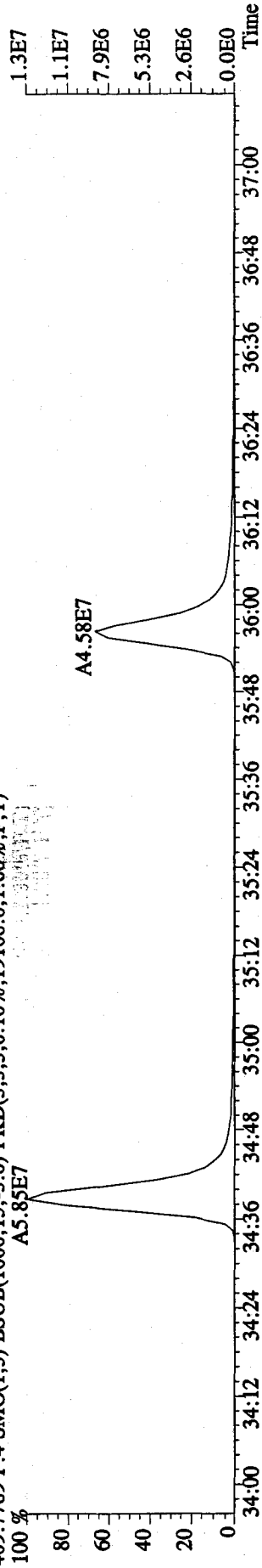
403.8529 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4988.0,1.00%,F,T)



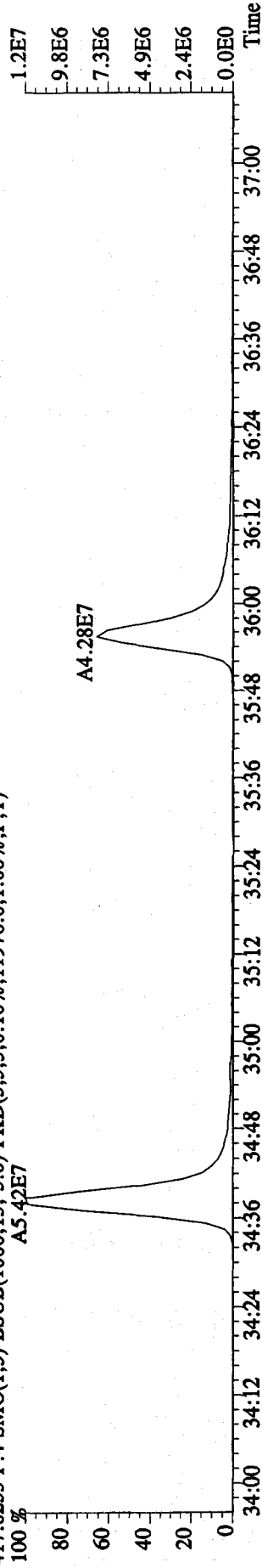
File:04JA10A1D5 #1-228 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19108.0,1.00%,F,T)  
 100 %



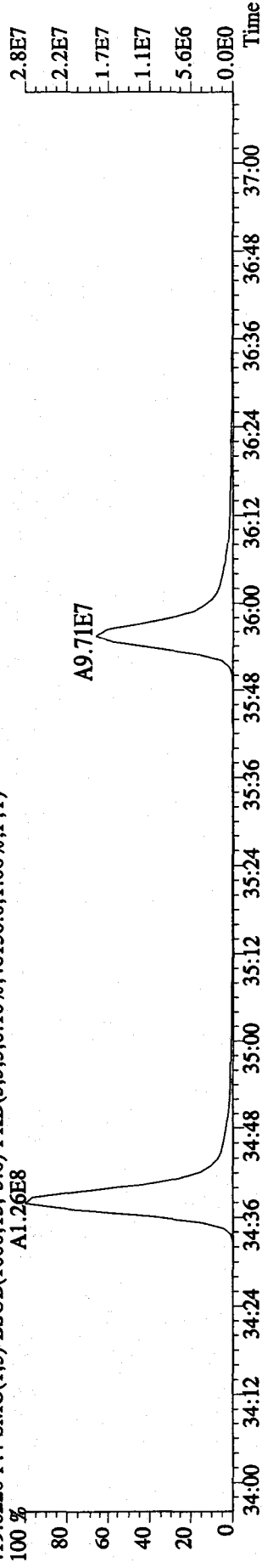
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19108.0,1.00%,F,T)  
 100 %



417.8253 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11976.0,1.00%,F,T)  
 100 %

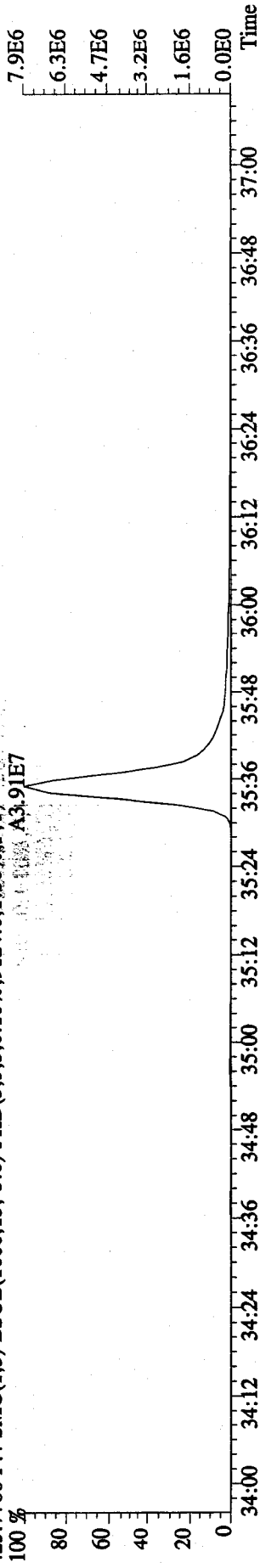


419.8220 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48156.0,1.00%,F,T)  
 100 %

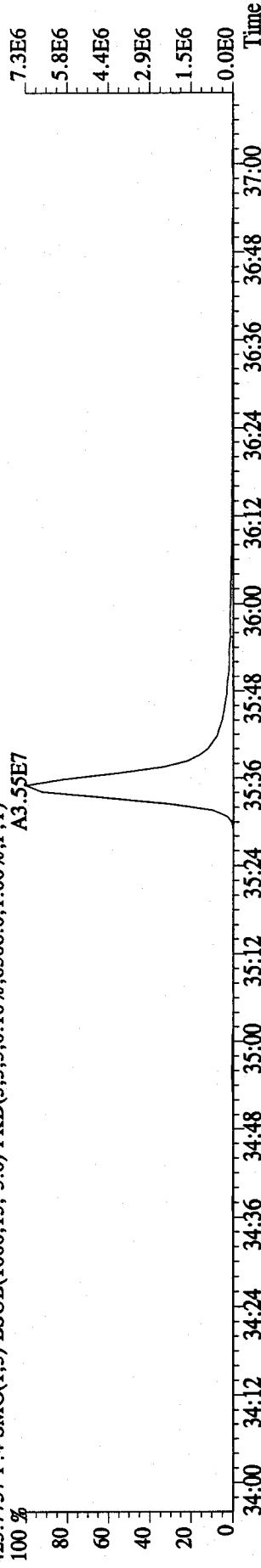


File:04JA10A1D5 #1-228 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE

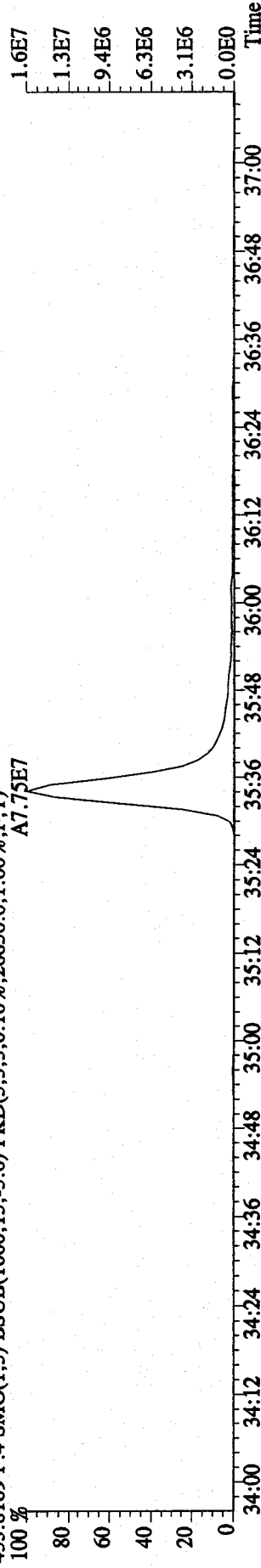
Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9124.0,1.00%,F,T)



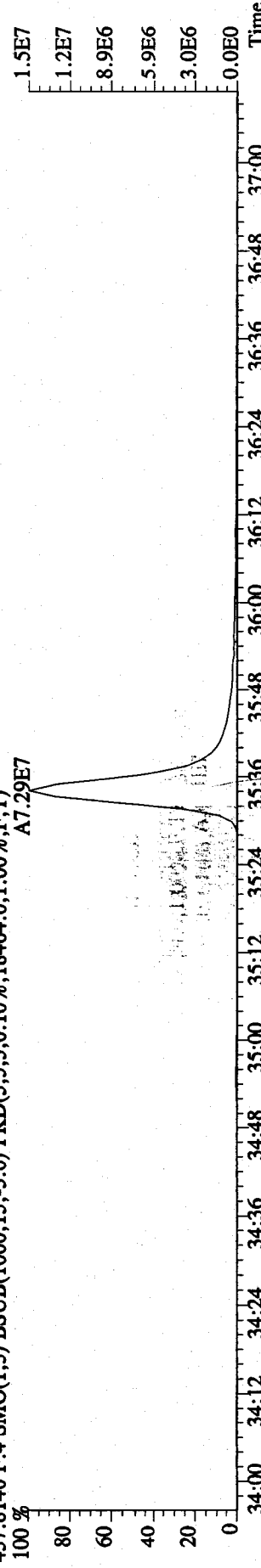
425.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8508.0,1.00%,F,T)



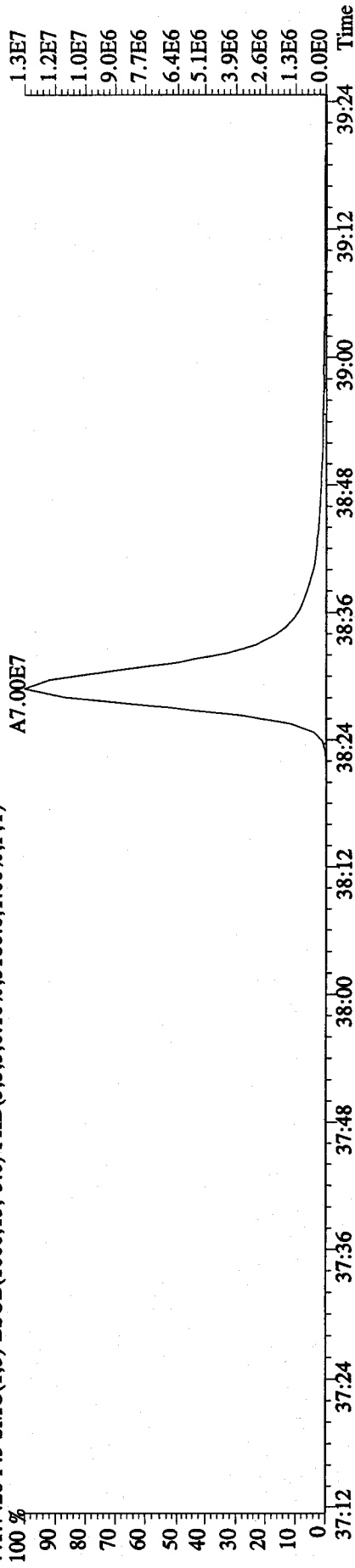
435.8169 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26656.0,1.00%,F,T)



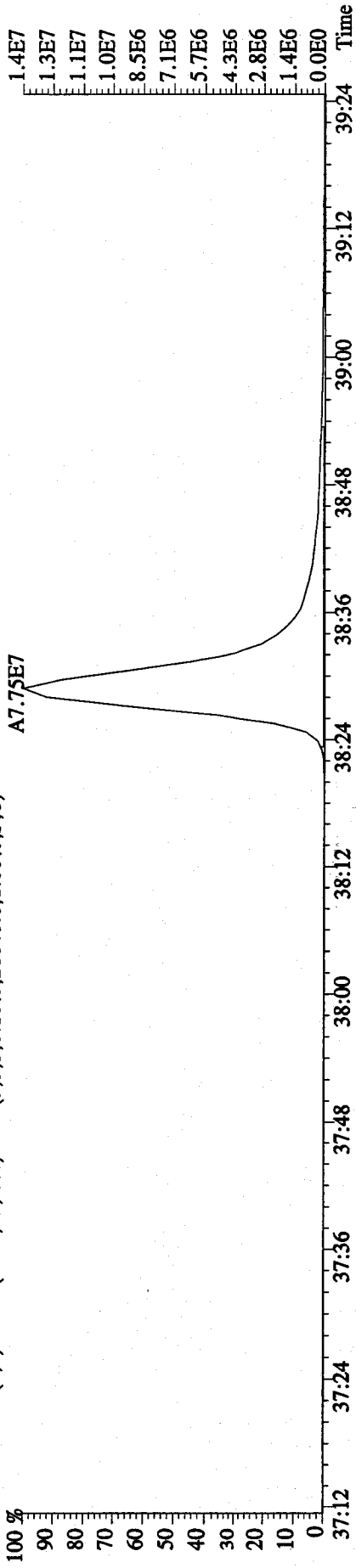
437.8140 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18464.0,1.00%,F,T)



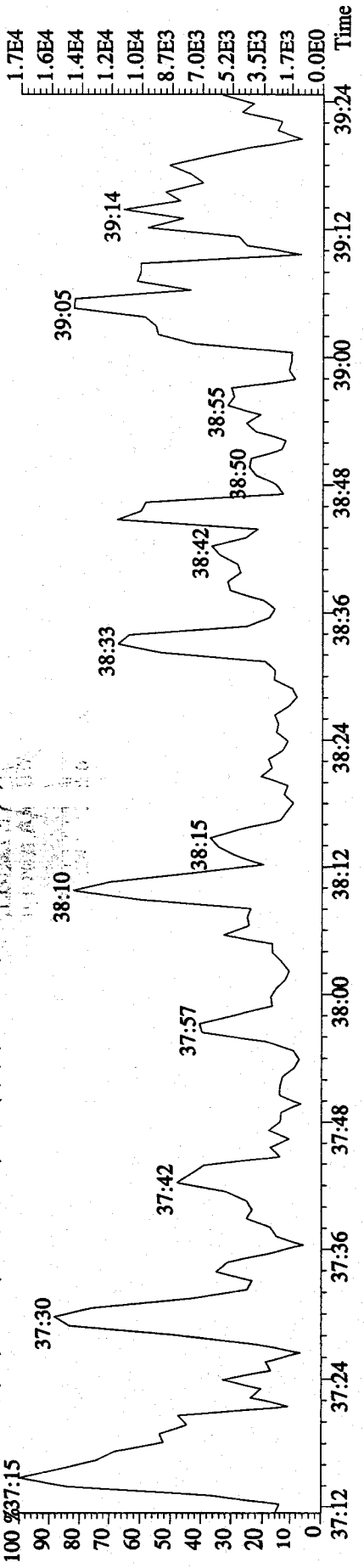
File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3180.0,1.00%,F,T)



443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28648.0,1.00%,F,T)



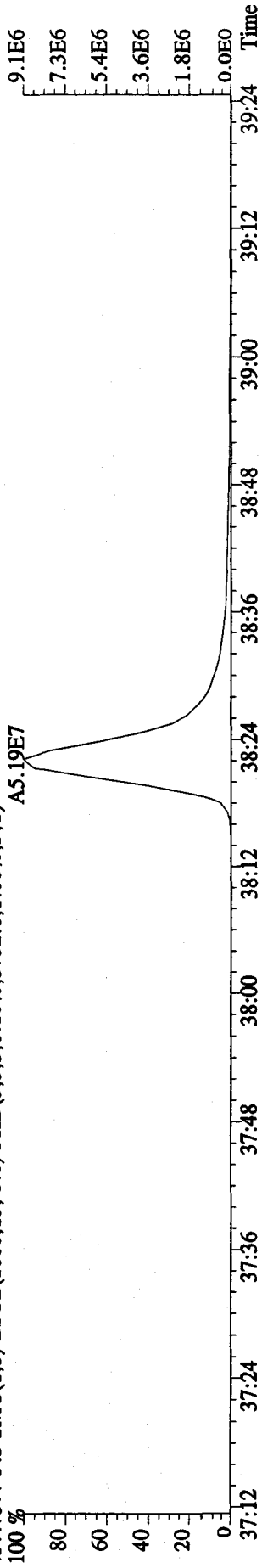
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,3884.0,1.00%,F,T)



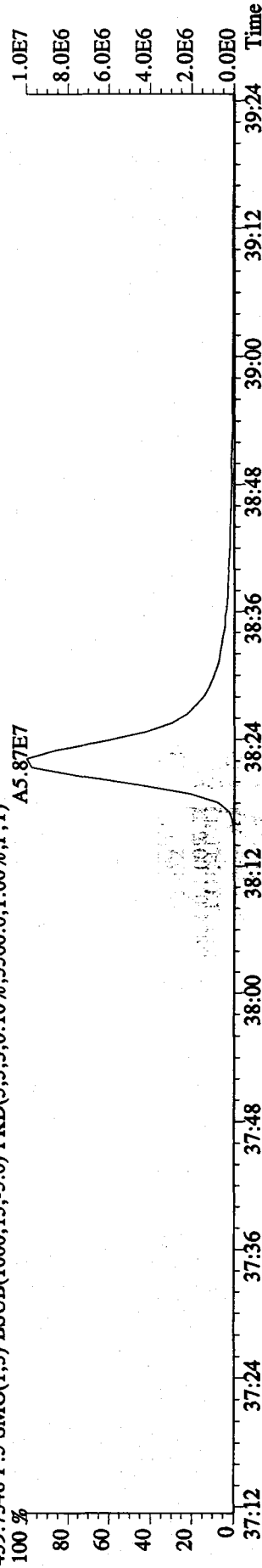
File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN

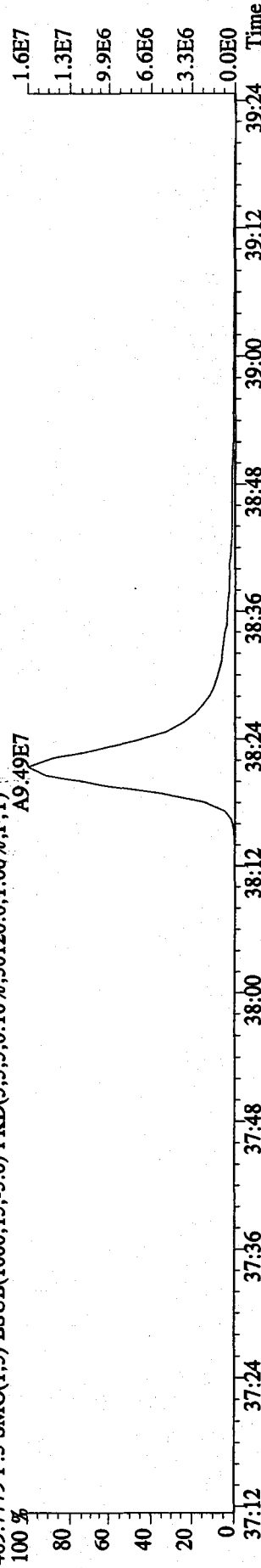
457.7377 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3732.0,1.00%,F,T)



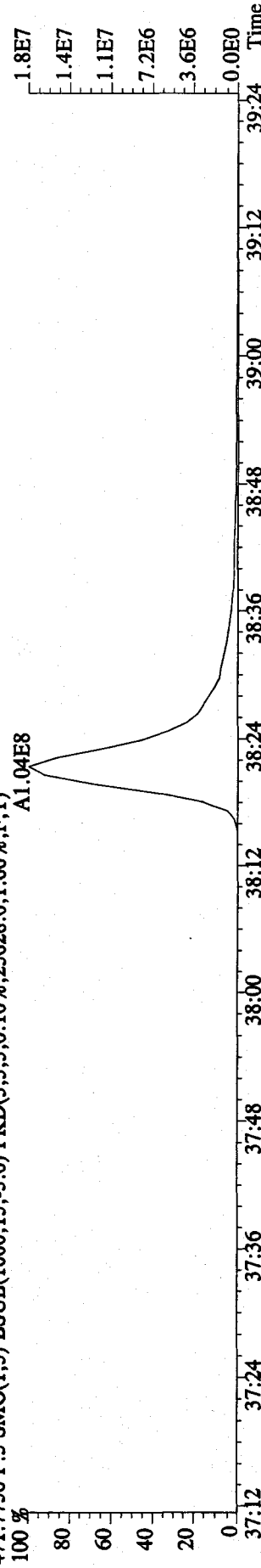
459.7348 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3360.0,1.00%,F,T)



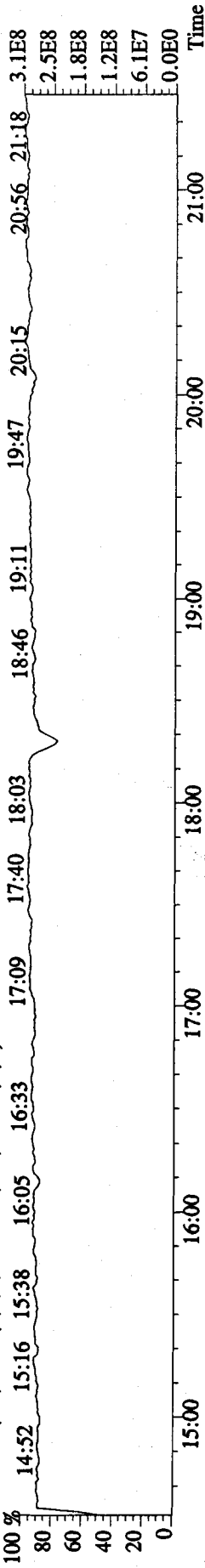
469.7779 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,30120.0,1.00%,F,T)



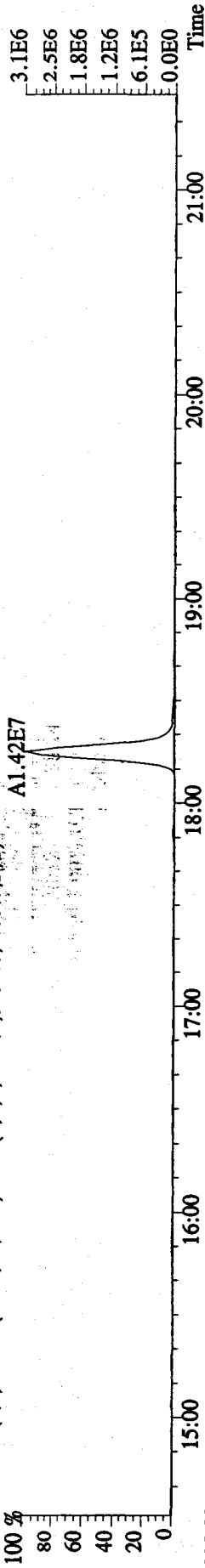
471.7750 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,25628.0,1.00%,F,T)



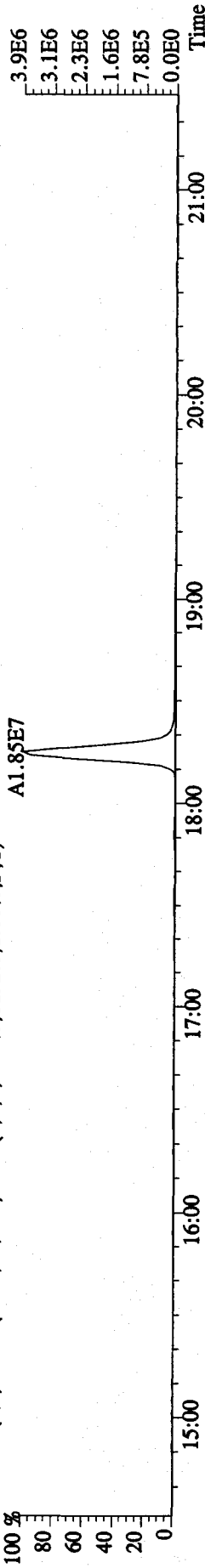
File:04JA10AID5 #1-411 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



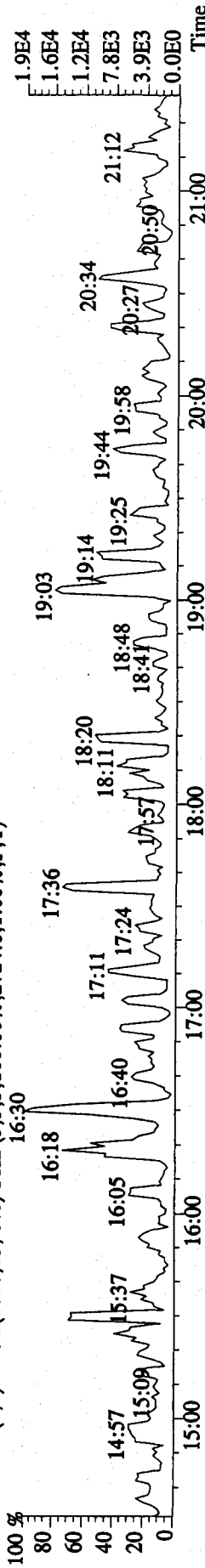
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5252.0,1.00%,F,T)



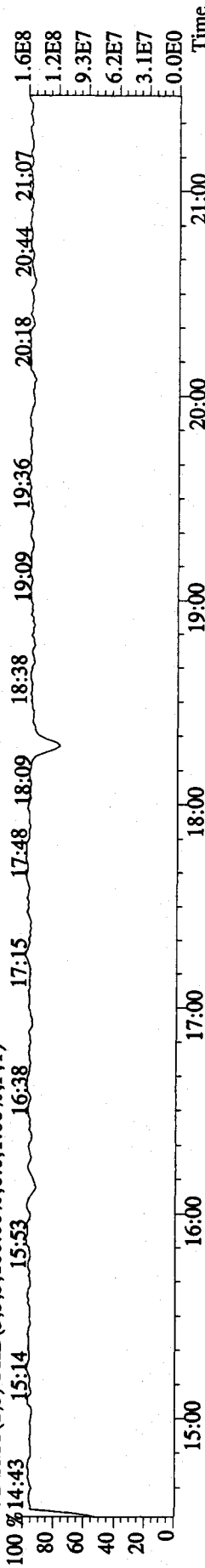
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8192.0,1.00%,F,T)



375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2724.0,1.00%,F,T)



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

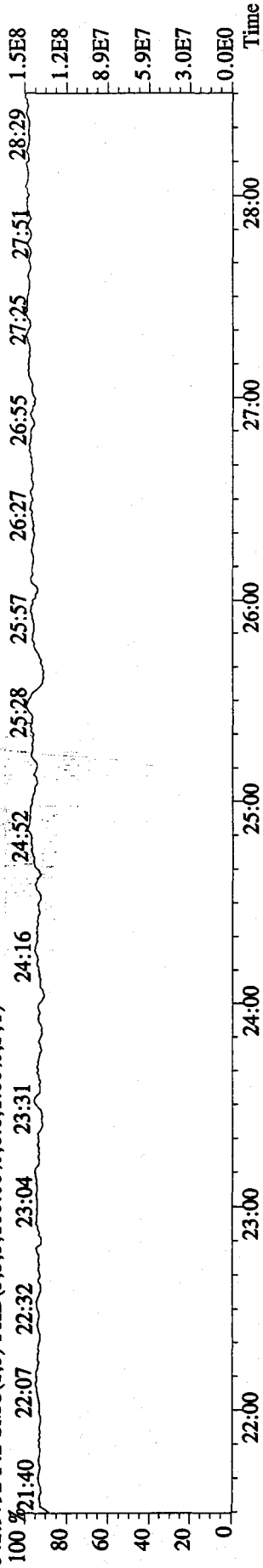


File:04JA10A1D5 #1-494 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN

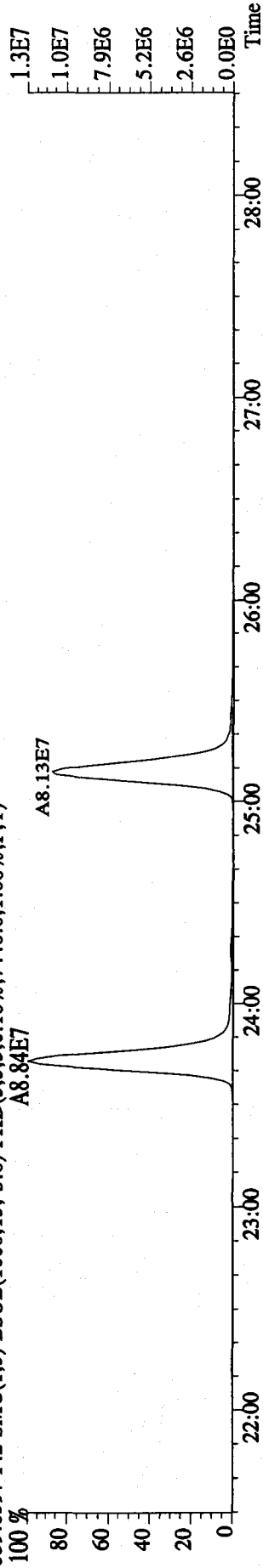
342.9792 F:2 SMO(1,3) PKD(5,3,3,0,10%,0,0,1,00%,F,T)

100 % 21:40 22:07 22:32 23:04 23:31 24:16 24:52 25:28 25:57 26:27 26:55 27:25 27:51 28:29



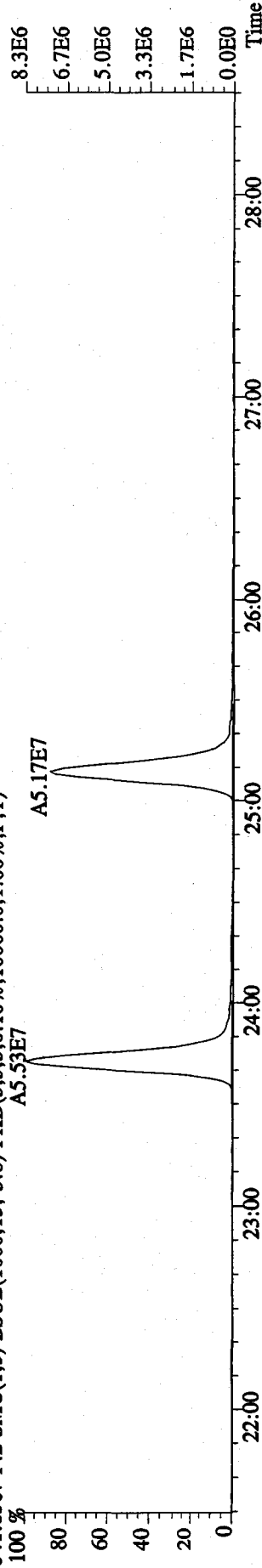
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7440,0,1,00%,F,T)

100 %



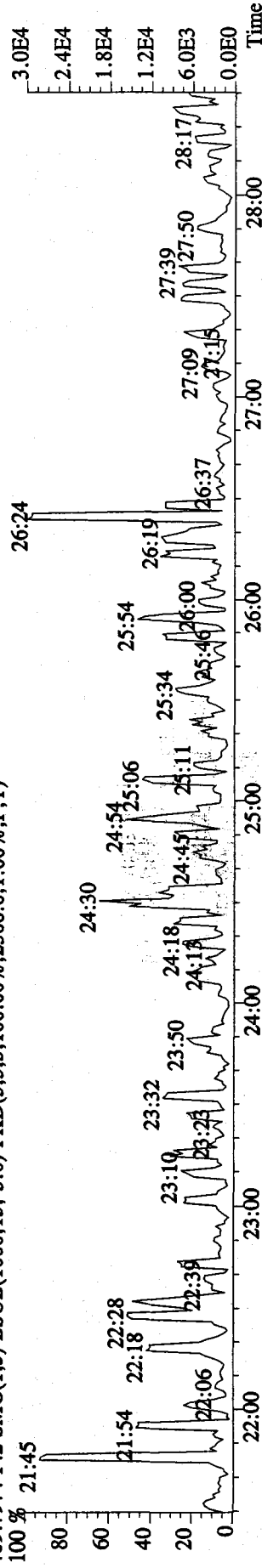
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10060,0,1,00%,F,T)

100 %



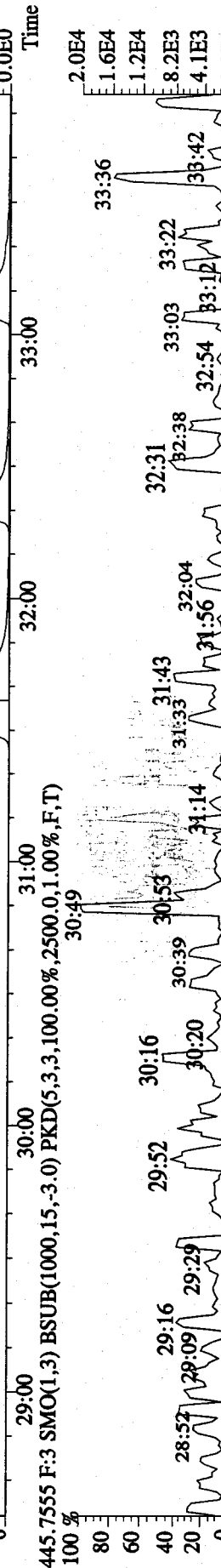
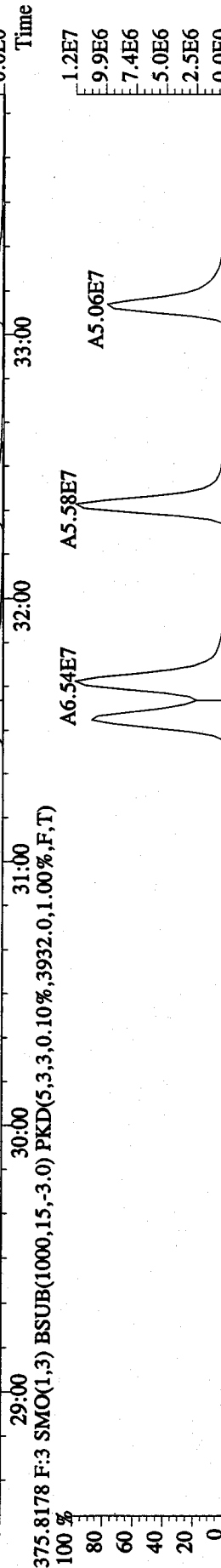
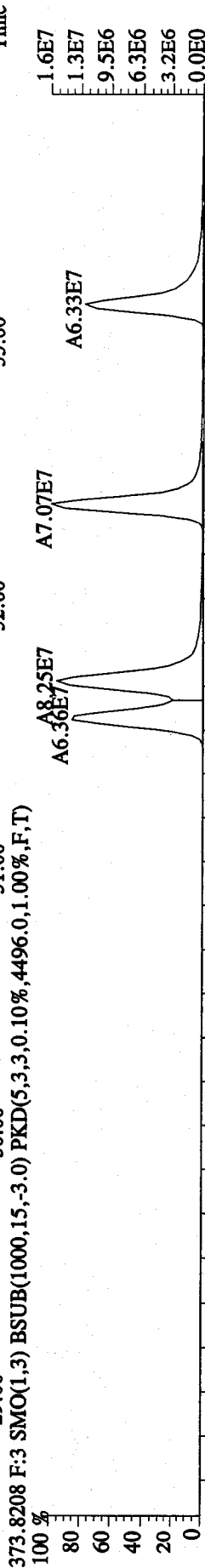
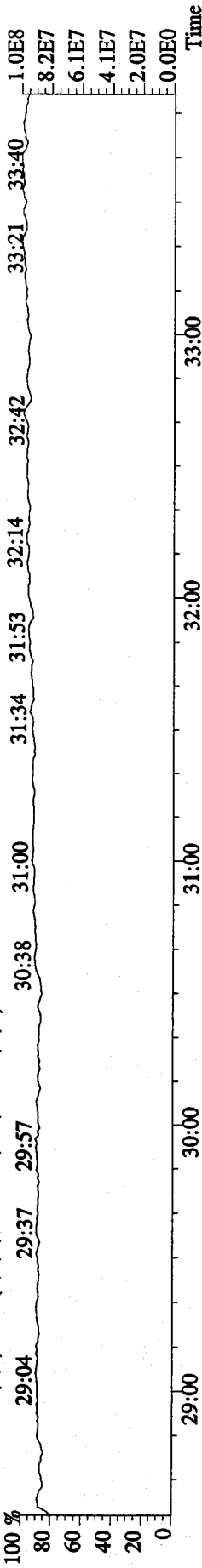
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,2508,0,1,00%,F,T)

100 %





File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN  
 392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

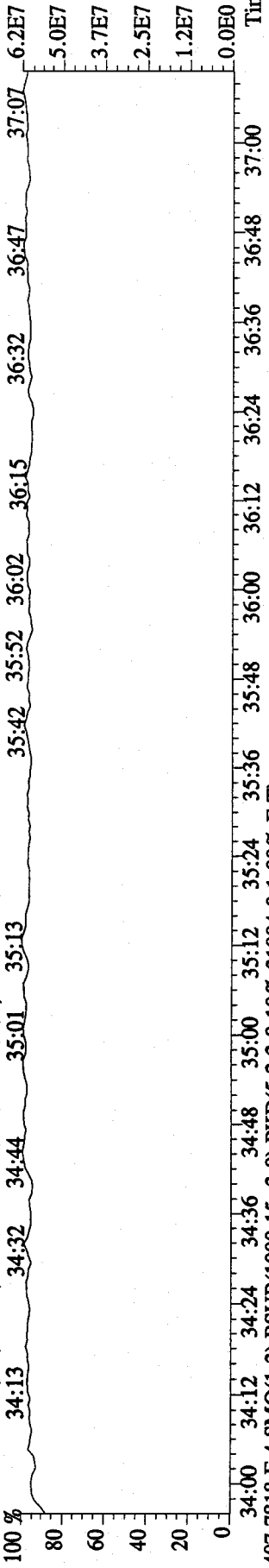


File:04JA10AID5 #1-228 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE

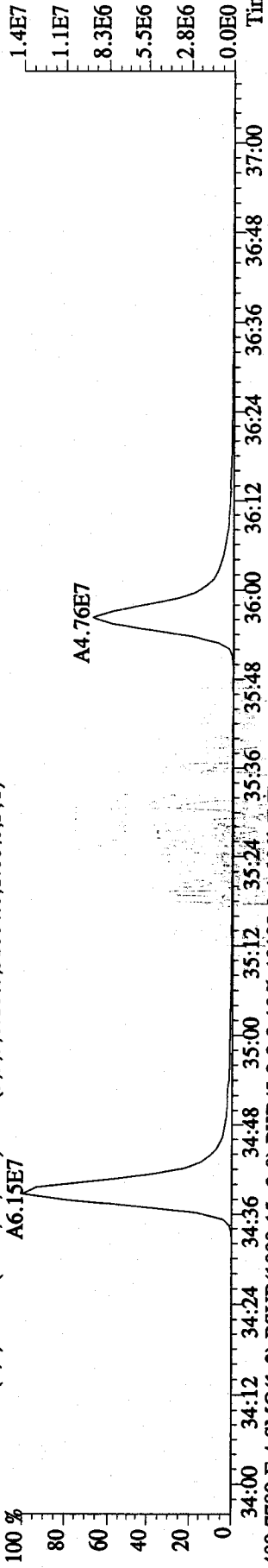
Sample#1 Text:ST0104 :CS3 09DXN425 Exp:DIOXIN

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

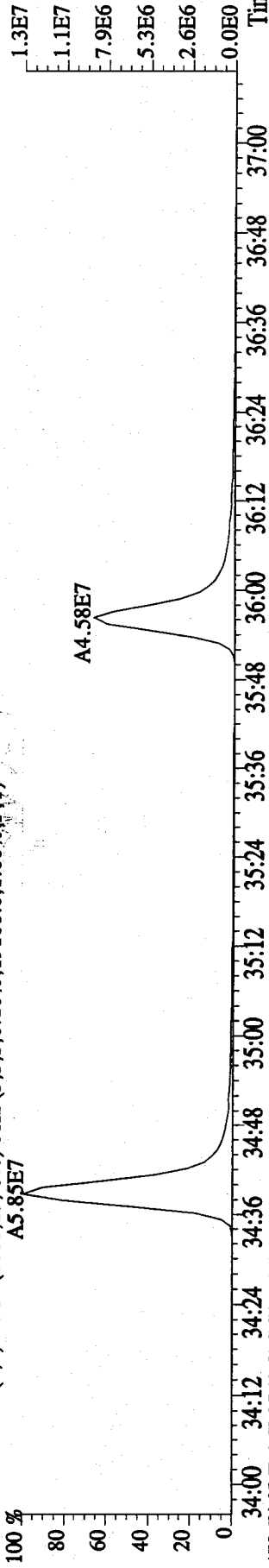
100 % 34:13 34:32 34:44 35:01 35:13



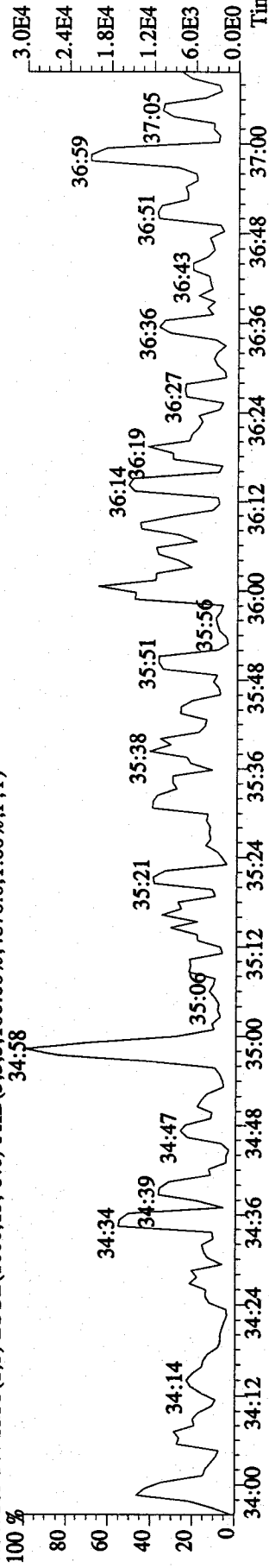
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,31004.0,1.00%,F,T)



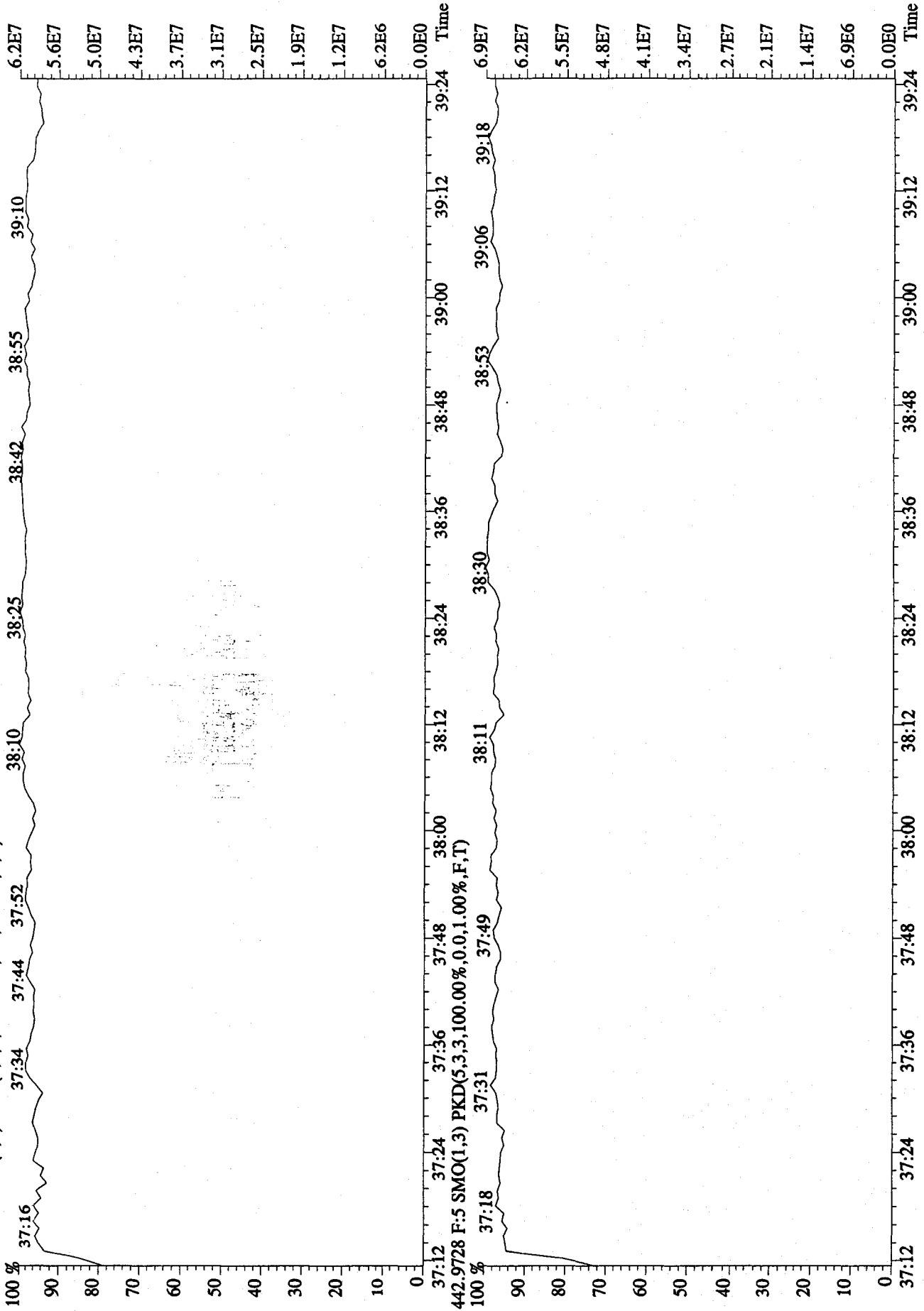
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,19108.0,1.00%,F,T)



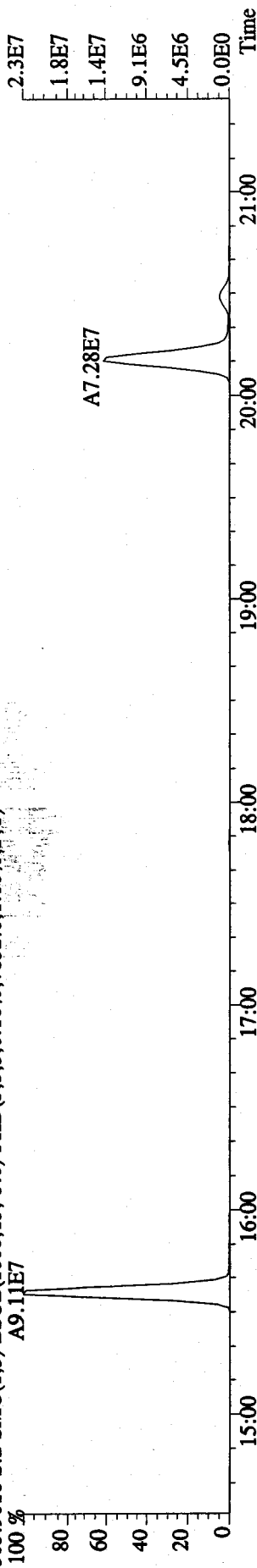
479.7165 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,4876.0,1.00%,F,T)



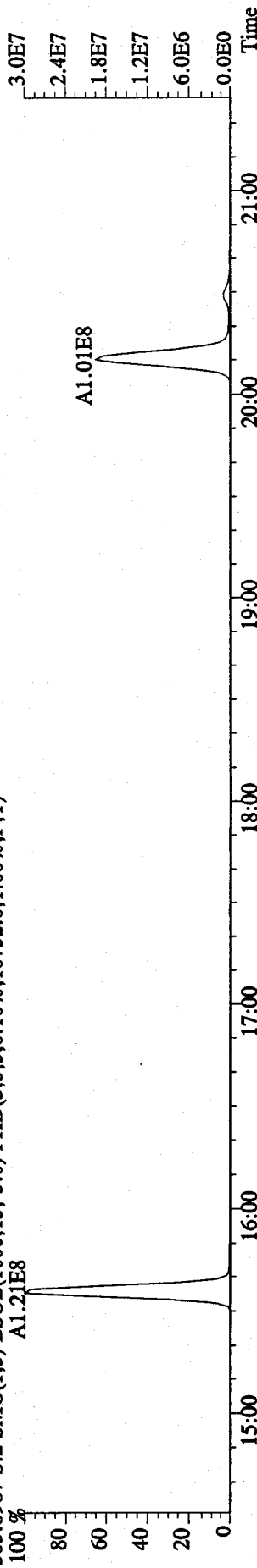
File: 04JA10AID5 #1-161 Acq: 4-JAN-2010 14:22:14 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: ST0104 : CS3 09DXN425 Exp: DIOXIN  
 454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



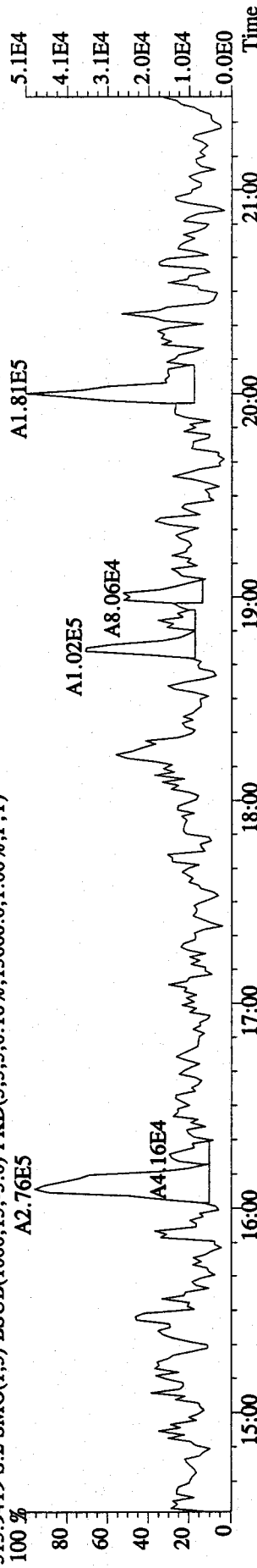
File:04JA10AID5 #1-411 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 303.9016 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7852.0,1.00%,F,T)  
 A9.11E7



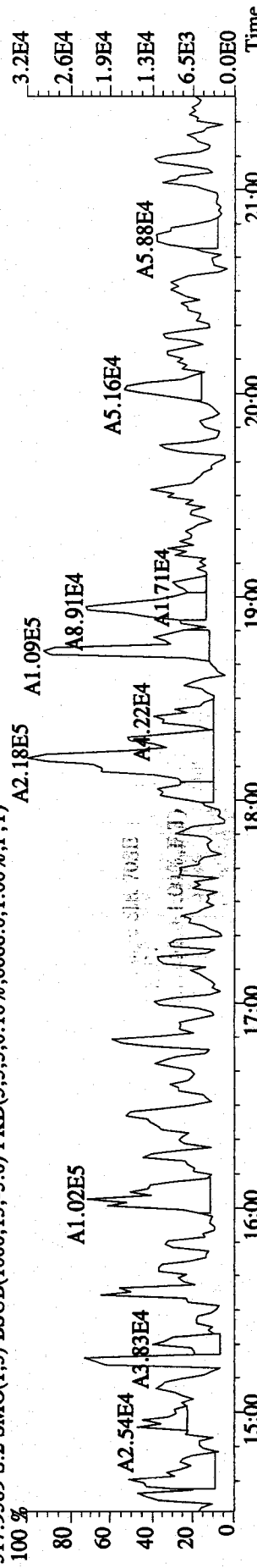
305.8987 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10752.0,1.00%,F,T)  
 A1.21E8



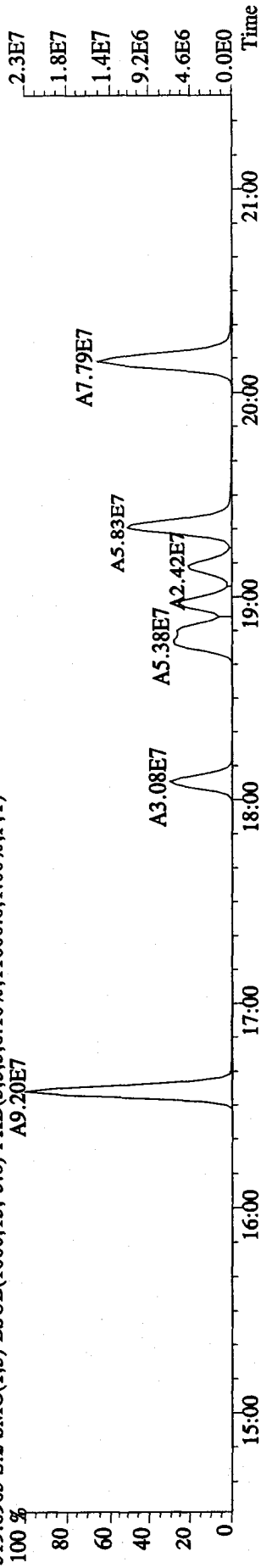
315.9419 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13660.0,1.00%,F,T)  
 A2.76E5



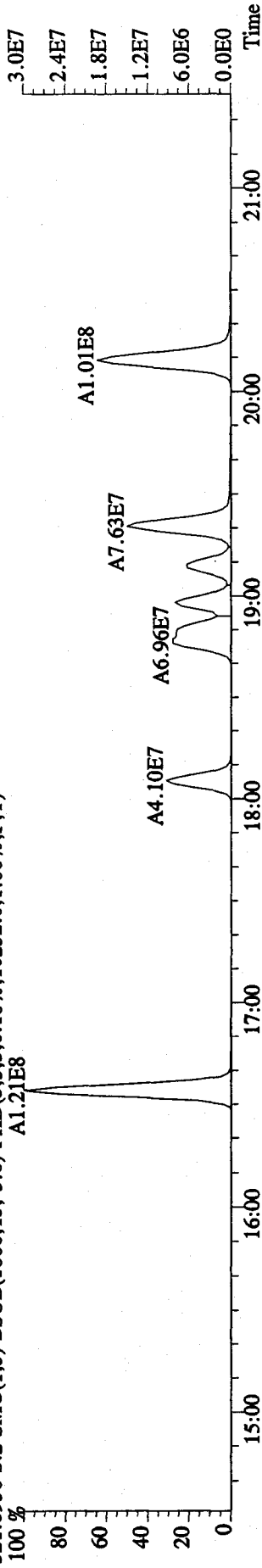
317.9389 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8888.0,1.00%,F,T)  
 A1.02E5



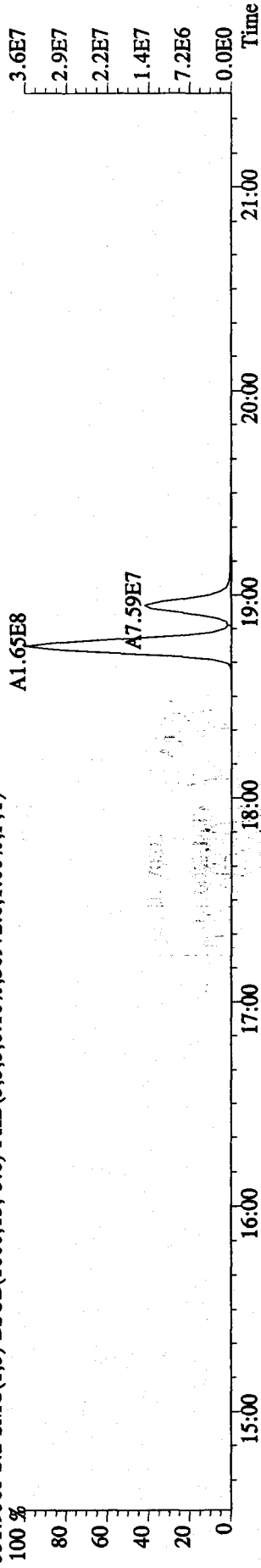
File: 04JA10AID5 #1-411 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text: CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 319.8965 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11600.0,1.00%,F,T)  
 A9.20E7



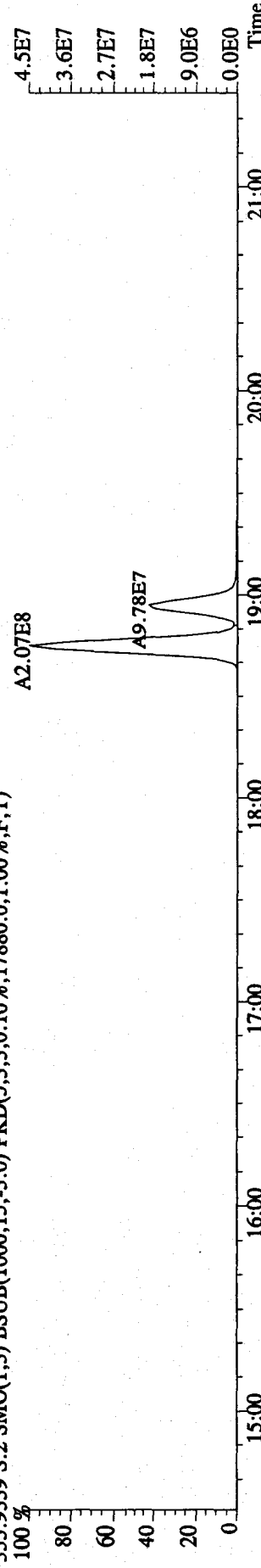
321.8936 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10252.0,1.00%,F,T)  
 A1.21E8



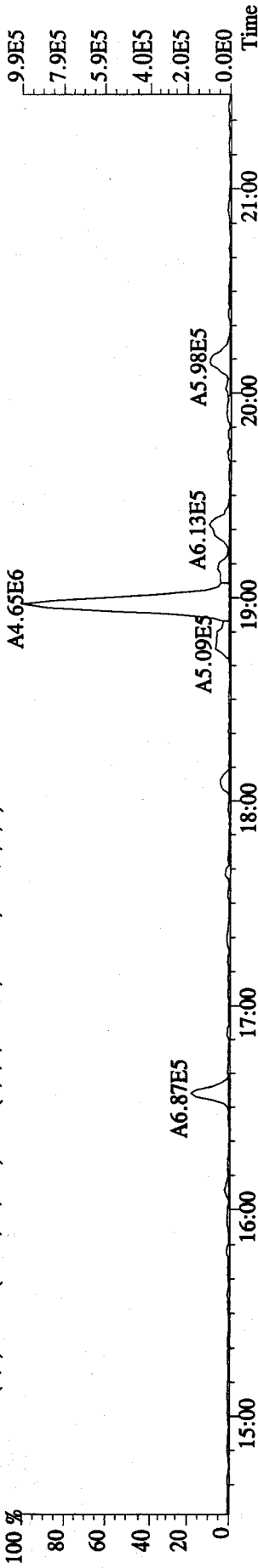
331.9368 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30972.0,1.00%,F,T)



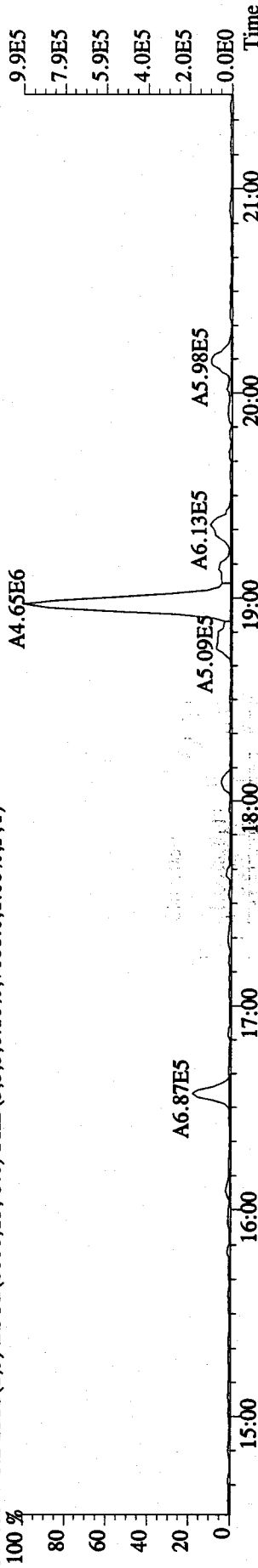
333.9339 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17880.0,1.00%,F,T)



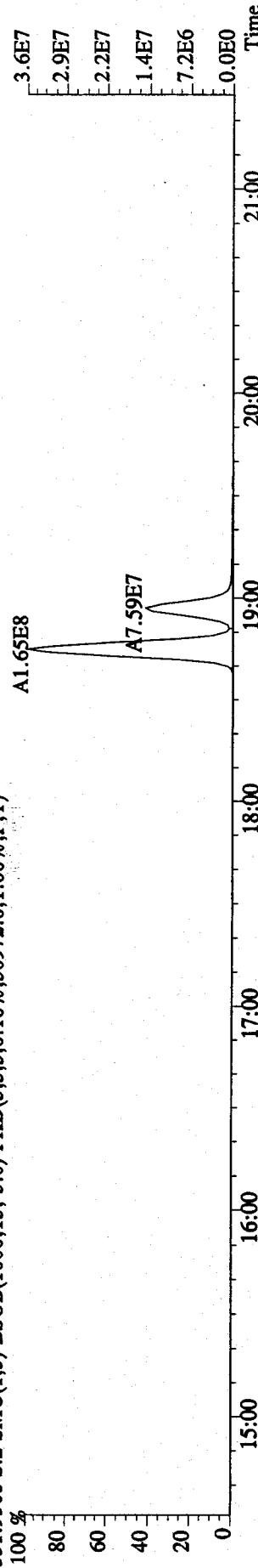
File:04JA10AID5 #1-411 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7608.0,1.00%,F,T)



327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7608.0,1.00%,F,T)

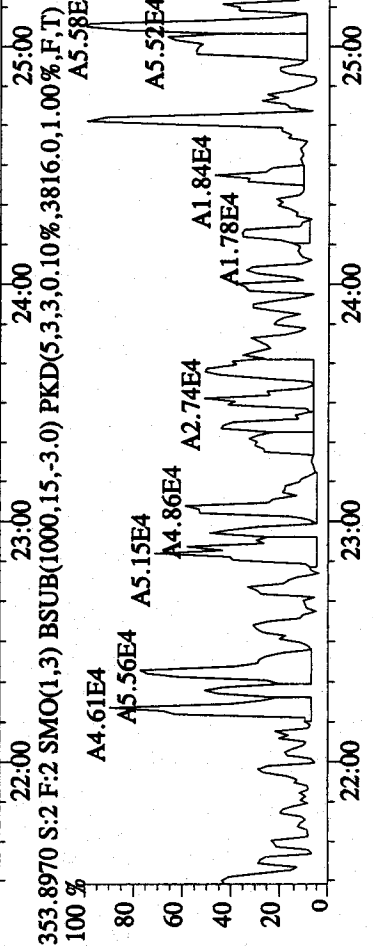
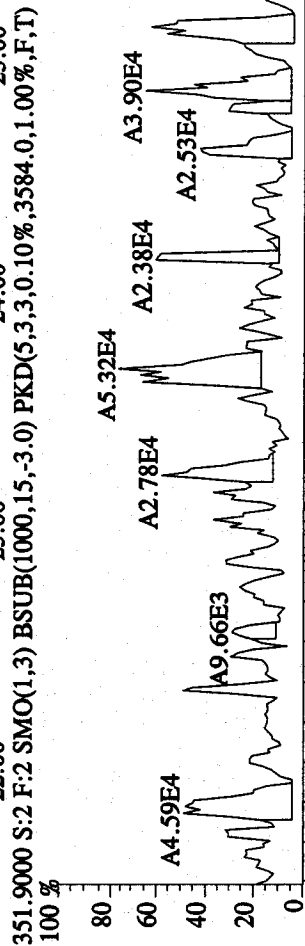
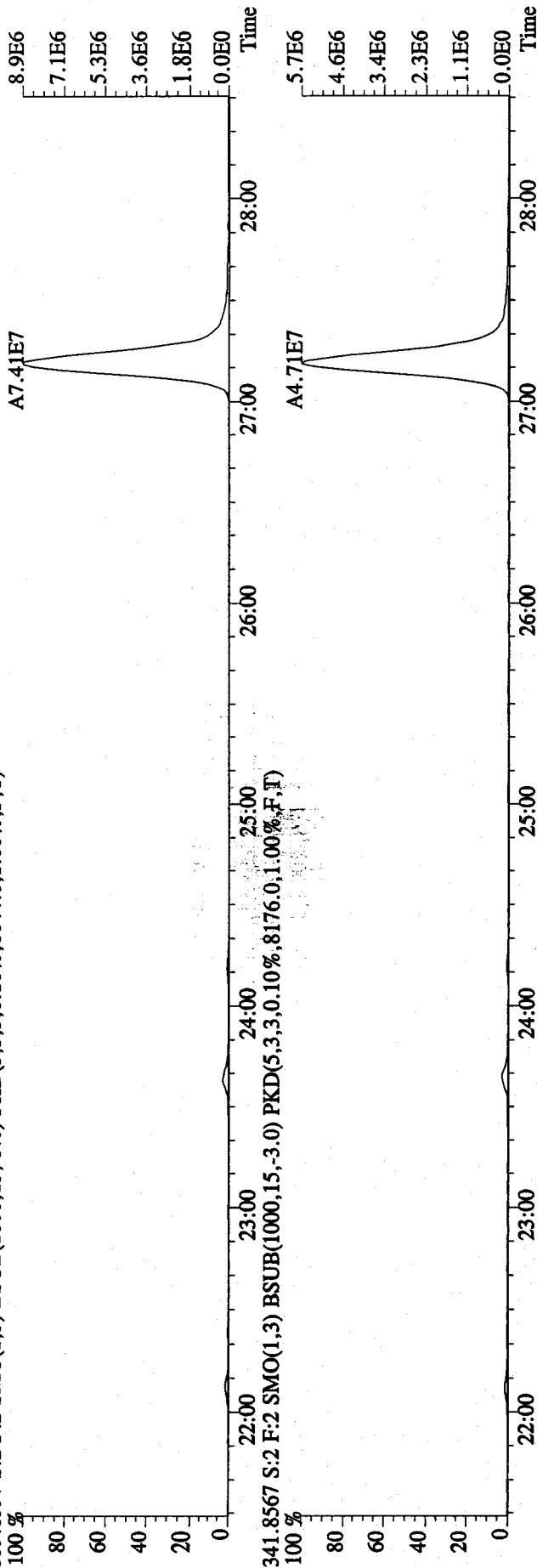


331.9368 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,30972.0,1.00%,F,T)

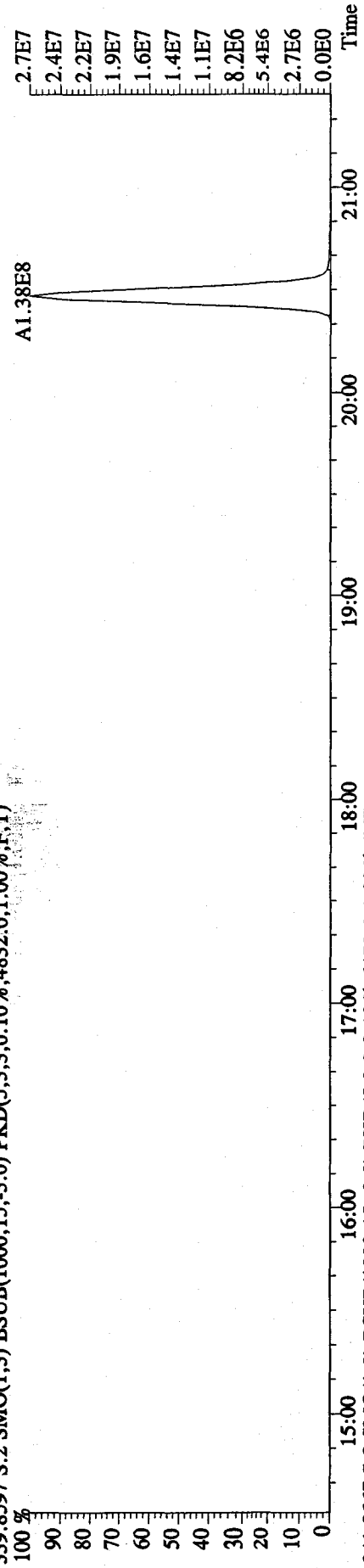


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,17880.0,1.00%,F,T)

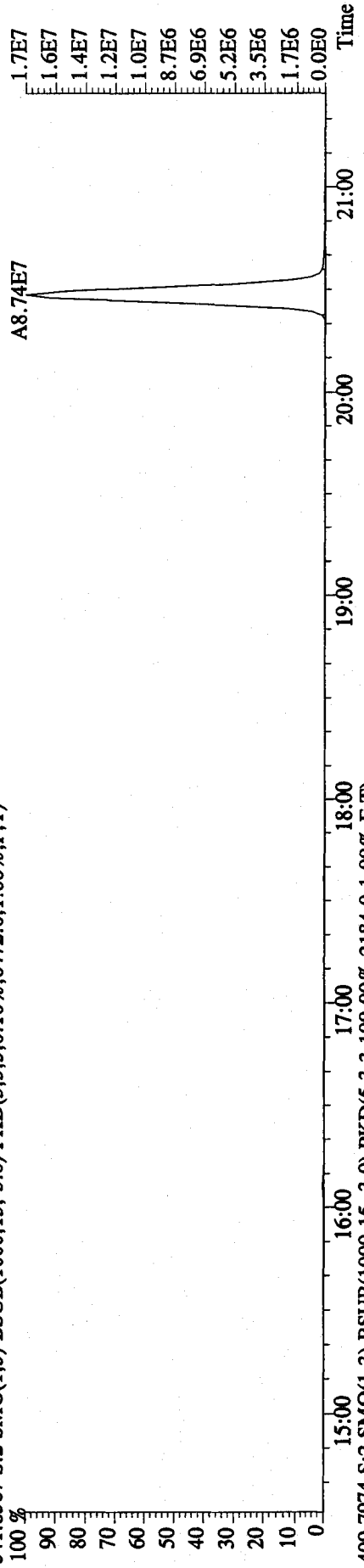
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CFSM 3732-04 Exp:DIOXIN  
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6644.0,1.00% F,T)



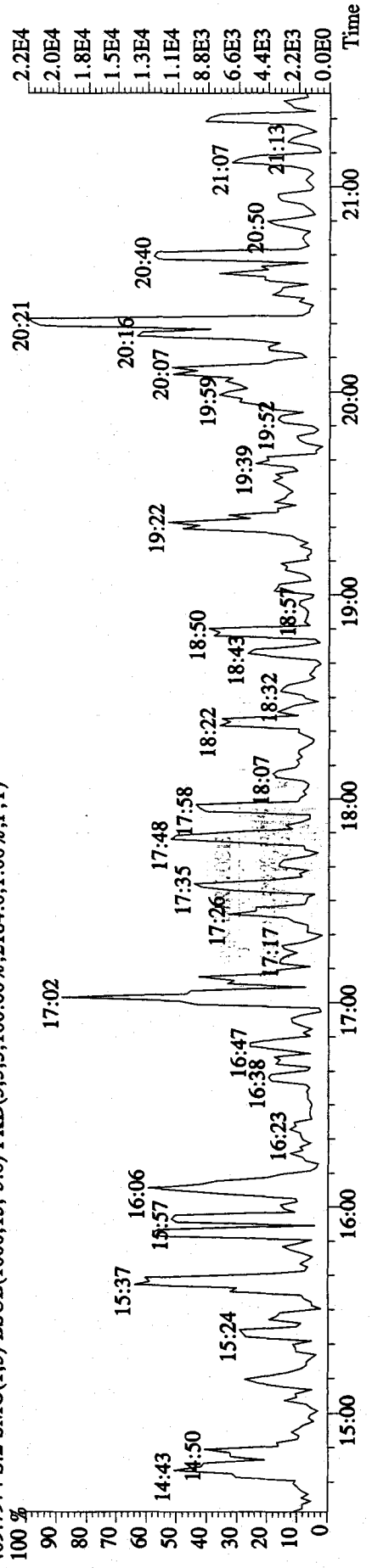
File:04JA10AID5 #1-411 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CFSM 3732-04 Exp:DIOXIN  
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



341.8567 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6472.0,1.00%,F,T)

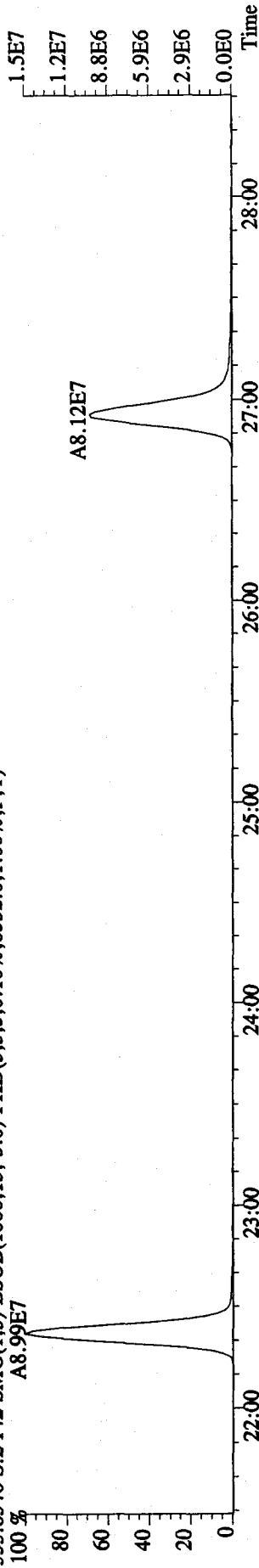


409.7974 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2184.0,1.00%,F,T)

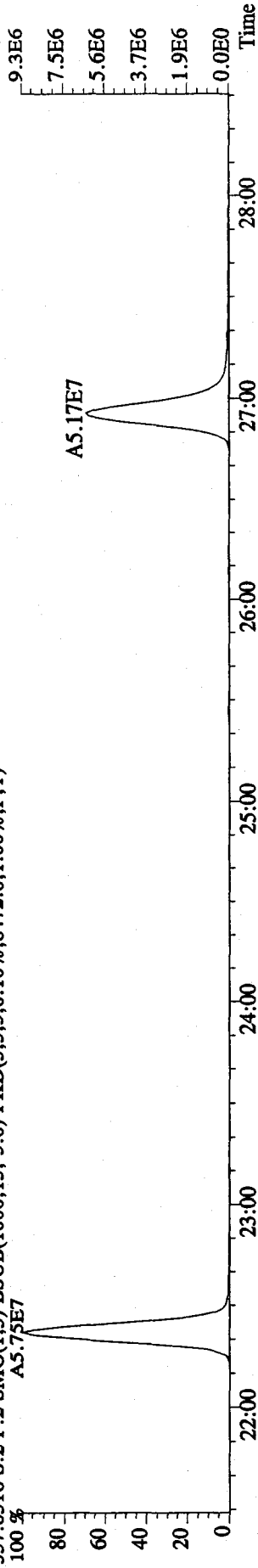




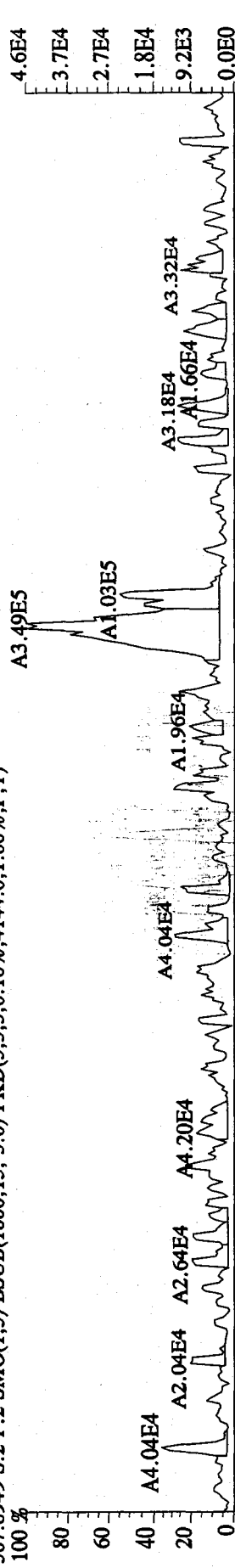
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CFSM 3732-04 Exp:DIOXIN  
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8472.0,1.00%,F,T)  
 100 % A8.99E7



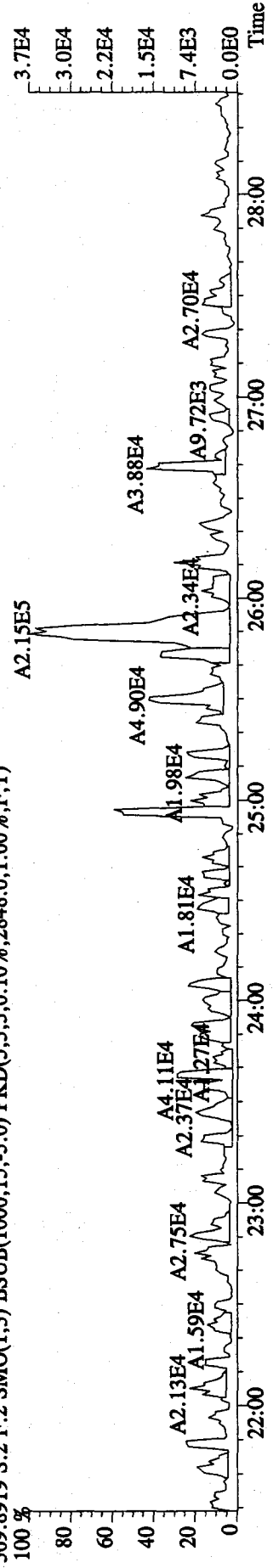
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8472.0,1.00%,F,T)  
 100 % A5.75E7



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4144.0,1.00%,F,T)



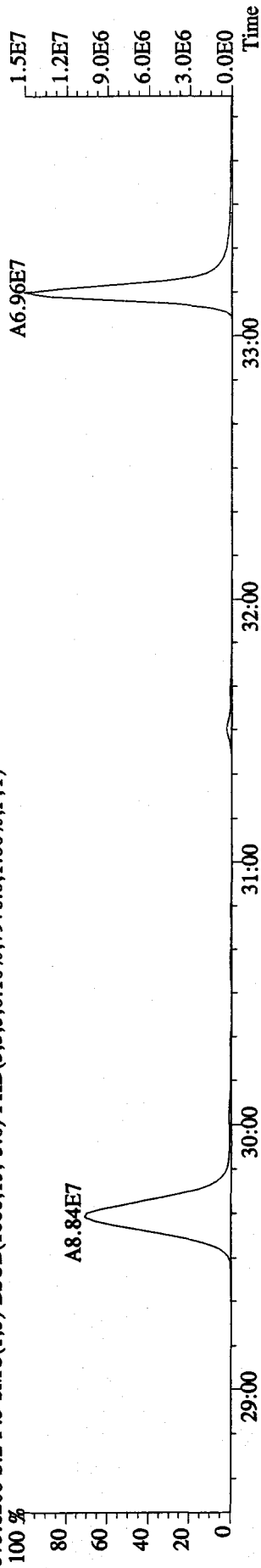
369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2848.0,1.00%,F,T)



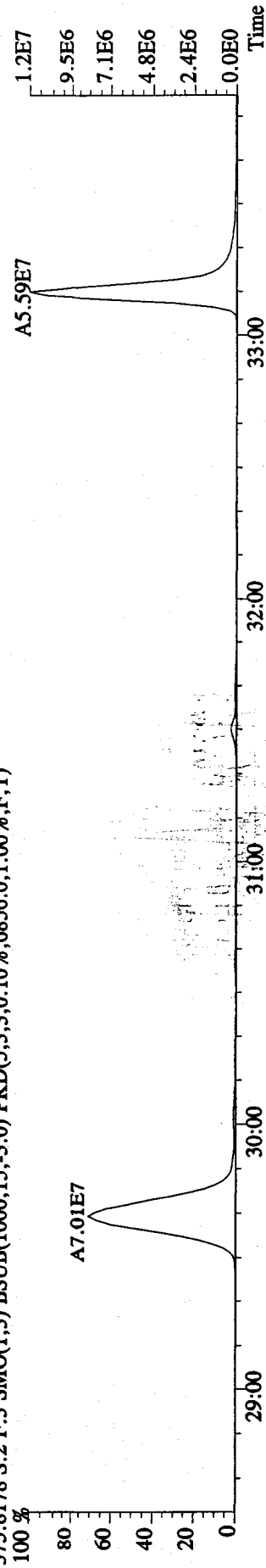
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN

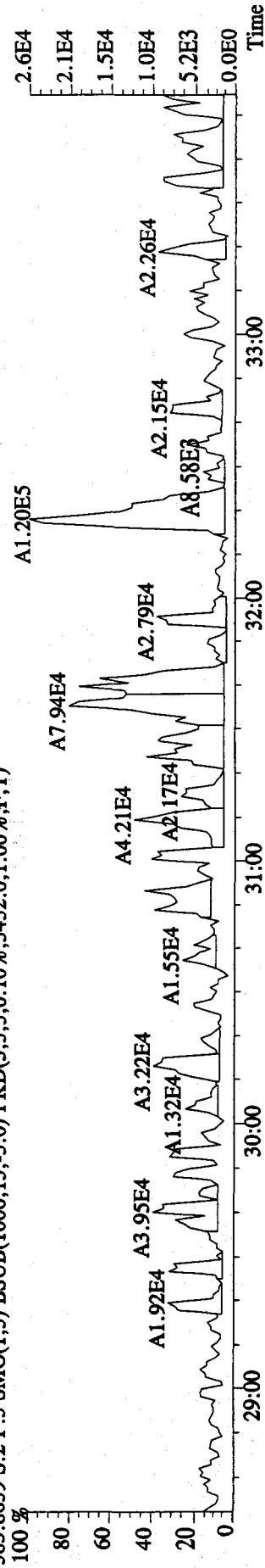
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7976.0,1.00%,F,T)



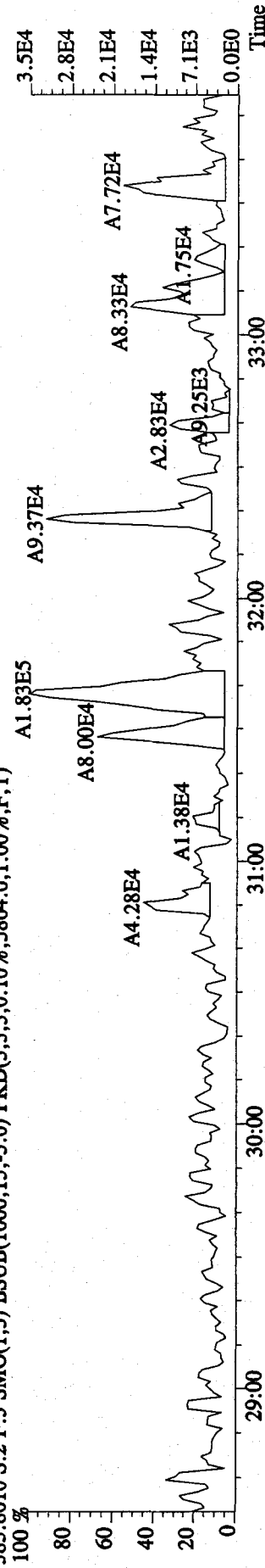
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6856.0,1.00%,F,T)



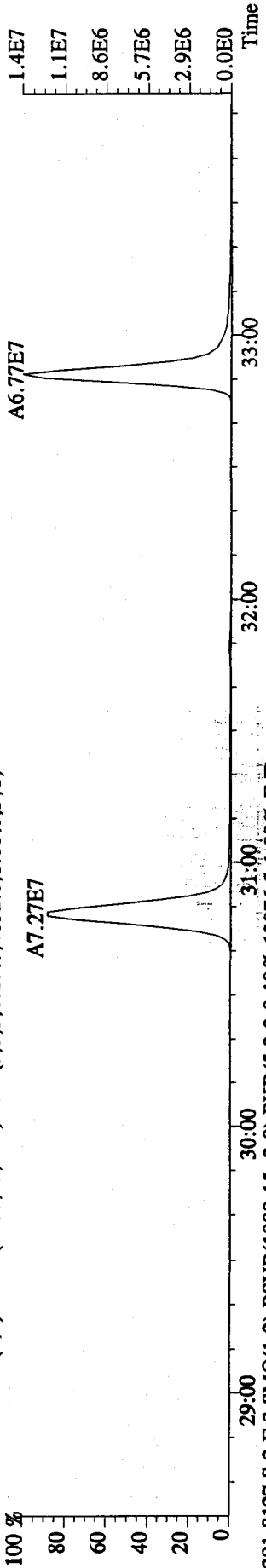
383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3432.0,1.00%,F,T)



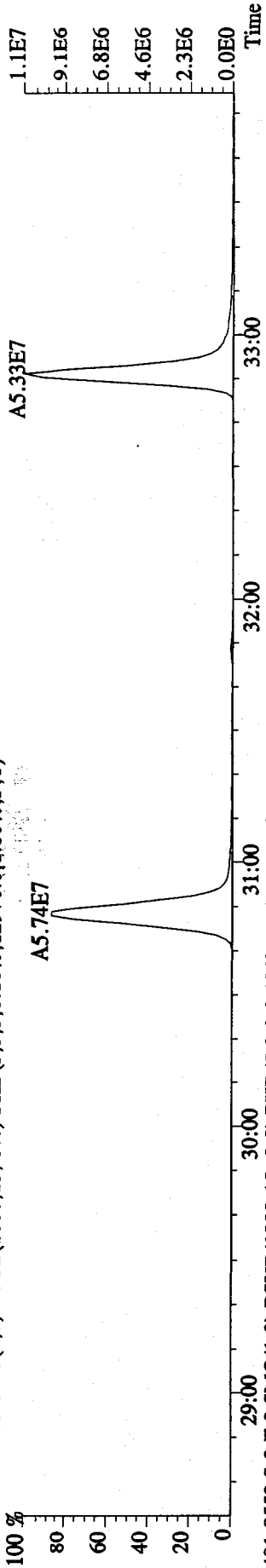
385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5864.0,1.00%,F,T)



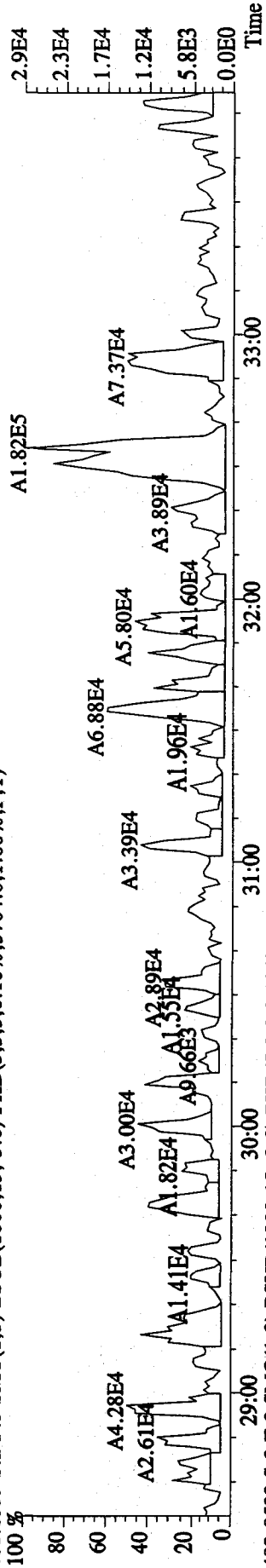
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



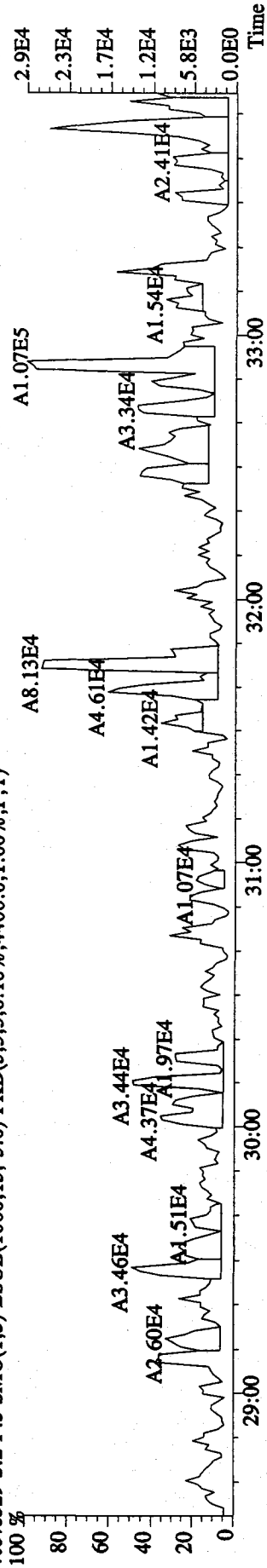
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12976.0,1.00%,F,T)



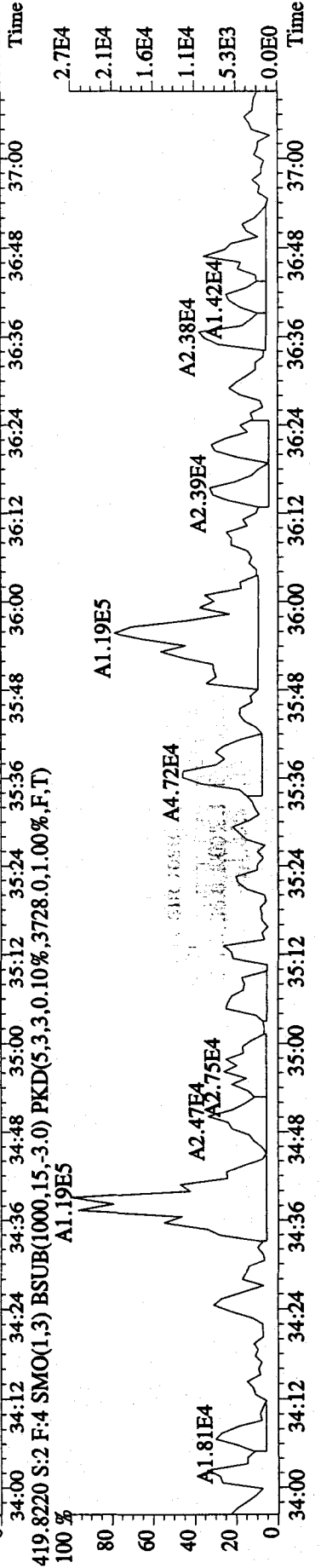
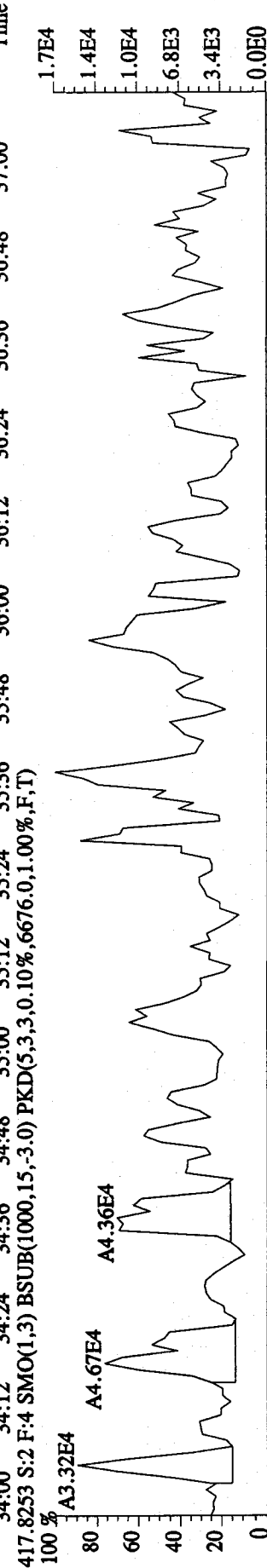
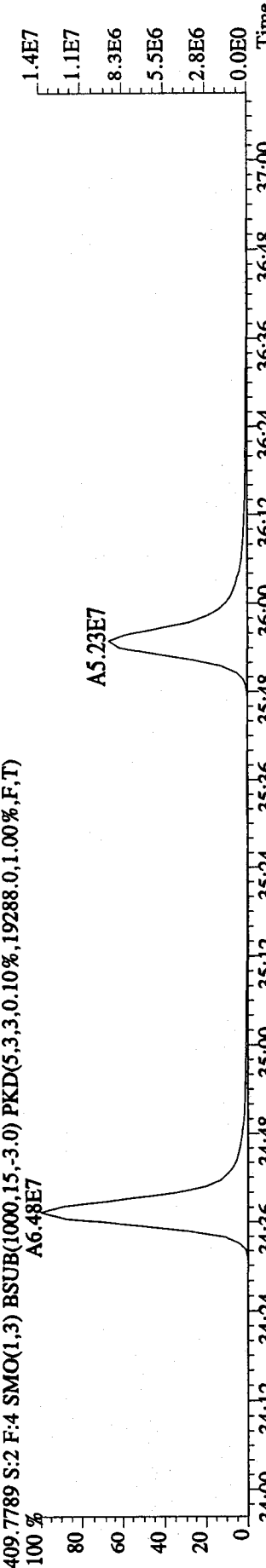
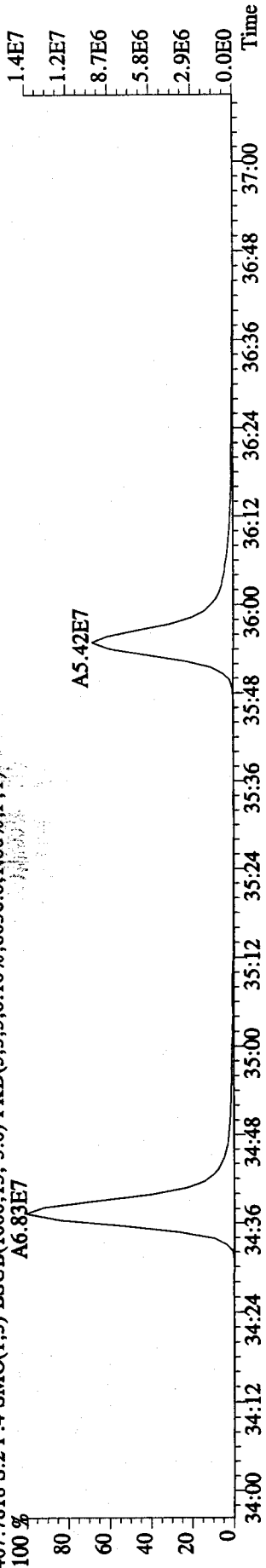
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3704.0,1.00%,F,T)



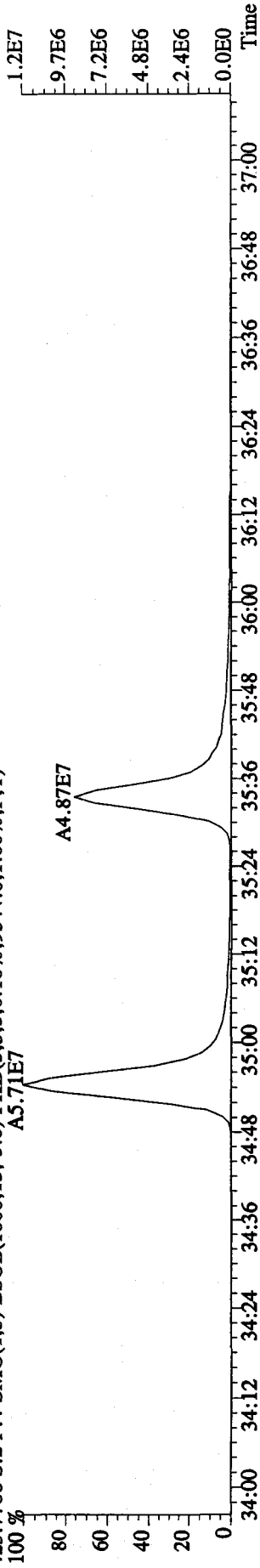
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4400.0,1.00%,F,T)



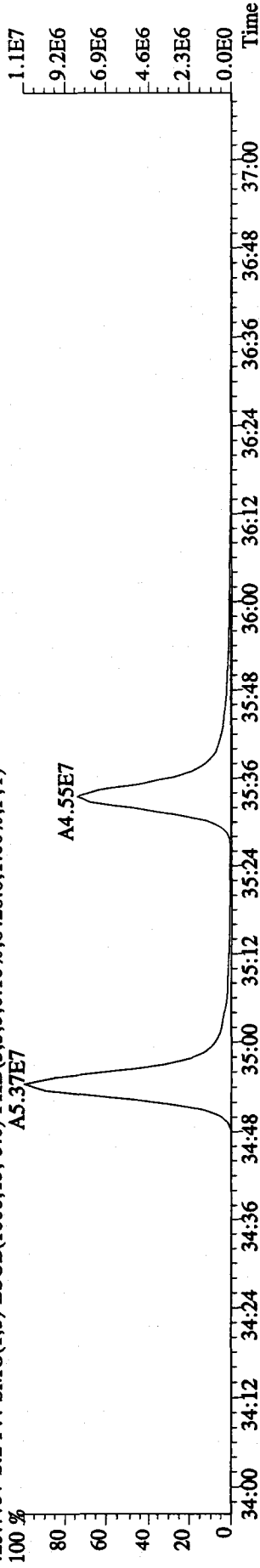
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8036.0,1.00%,F,T)



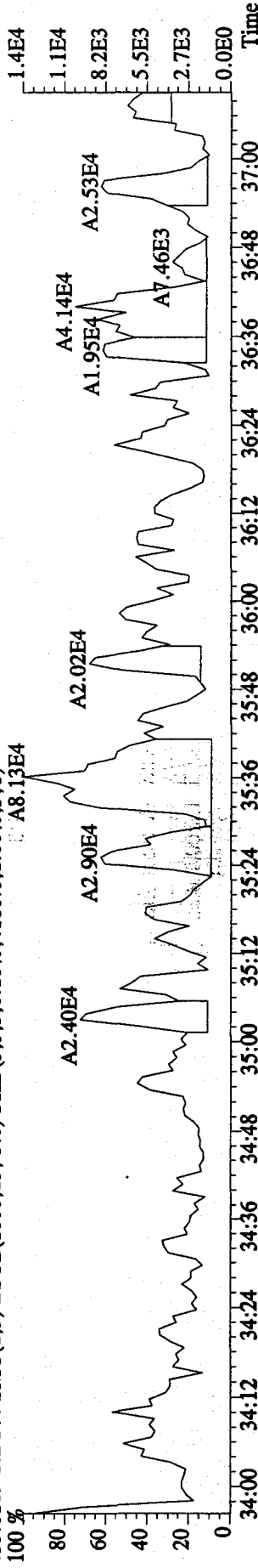
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9344.0,1.00%,F,T)  
 A5.71E7



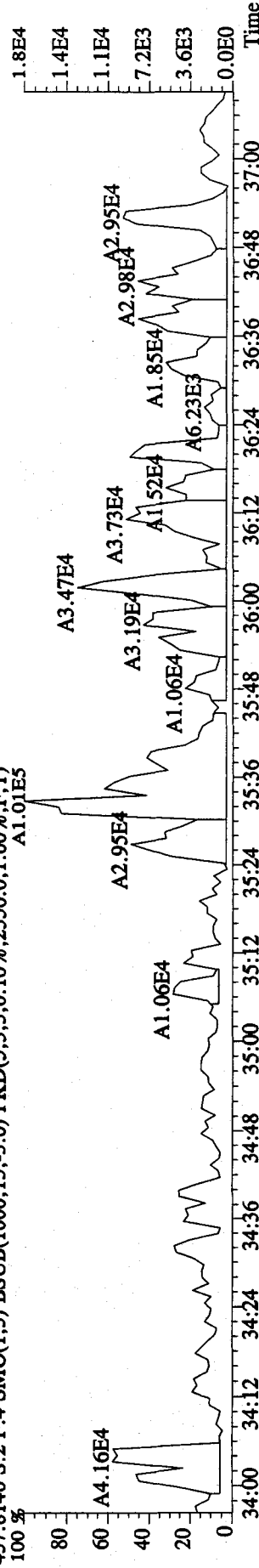
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6428.0,1.00%,F,T)  
 A5.37E7



435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4188.0,1.00%,F,T)  
 A8.13E4



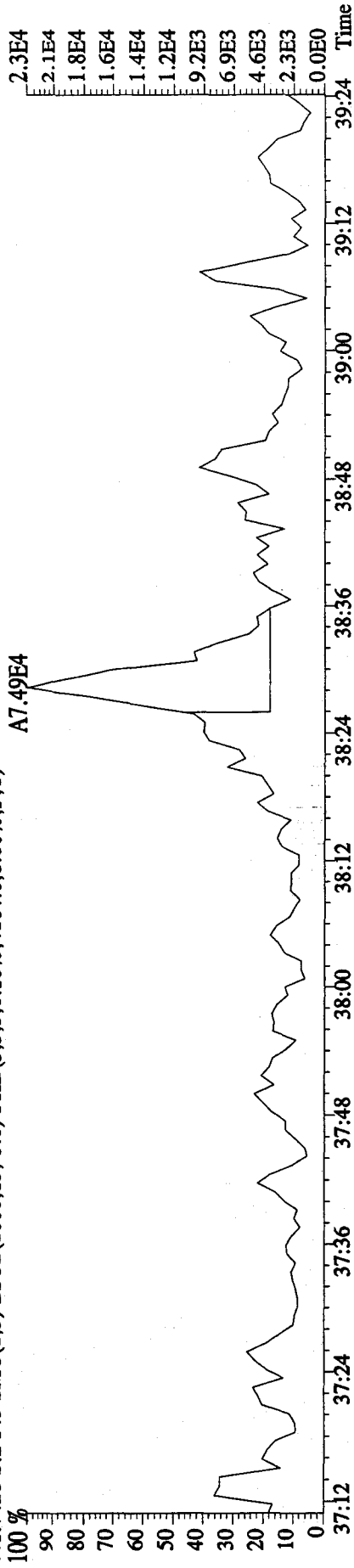
437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2356.0,1.00%,F,T)  
 A1.01E5



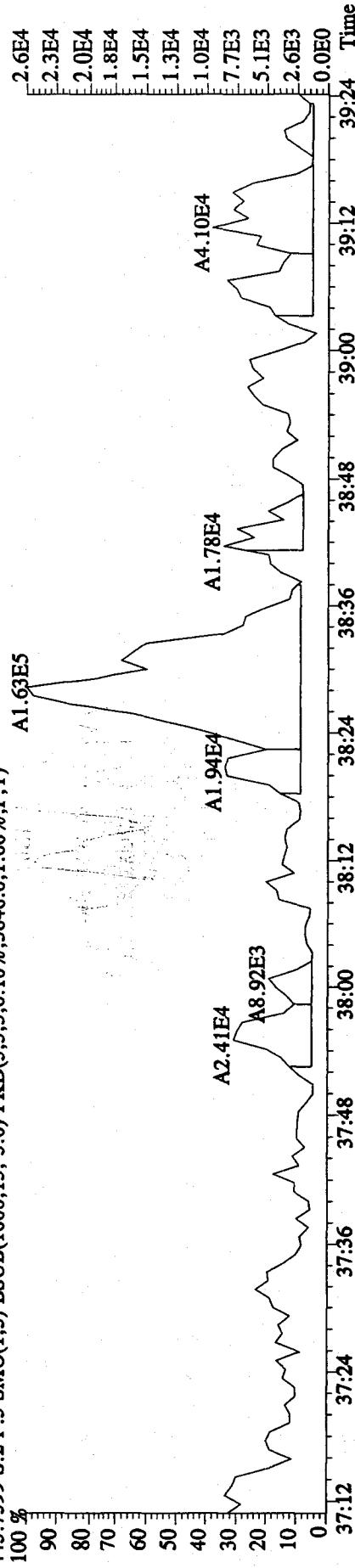
File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN

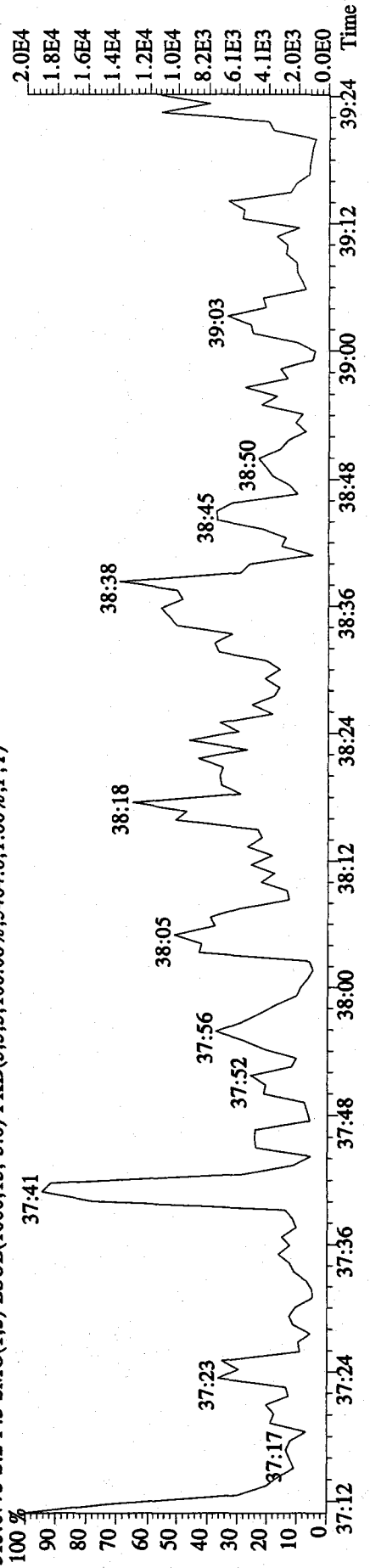
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10% 4164.0,1.00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10% 3848.0,1.00%,F,T)



513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00% 5464.0,1.00%,F,T)

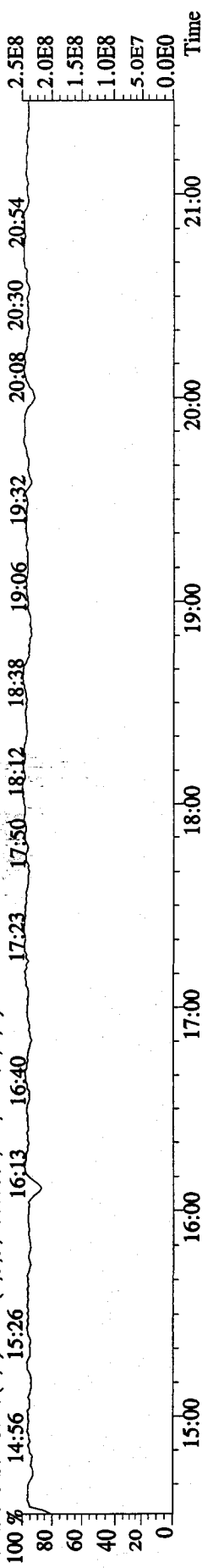




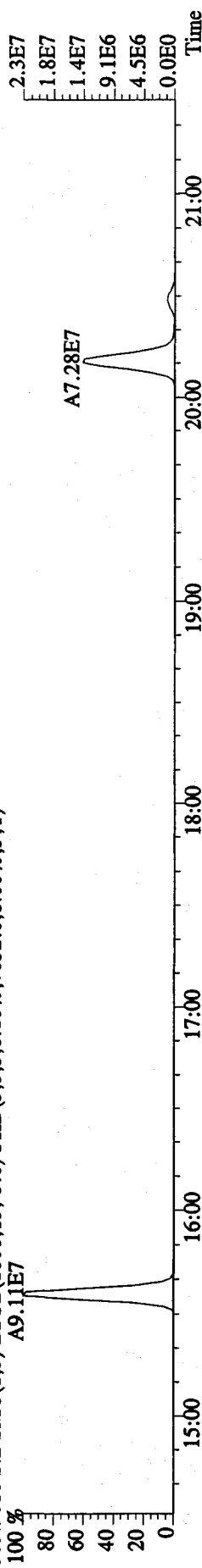
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0104 :DB-5 CFSM 3732-04 Exp:DIOXIN

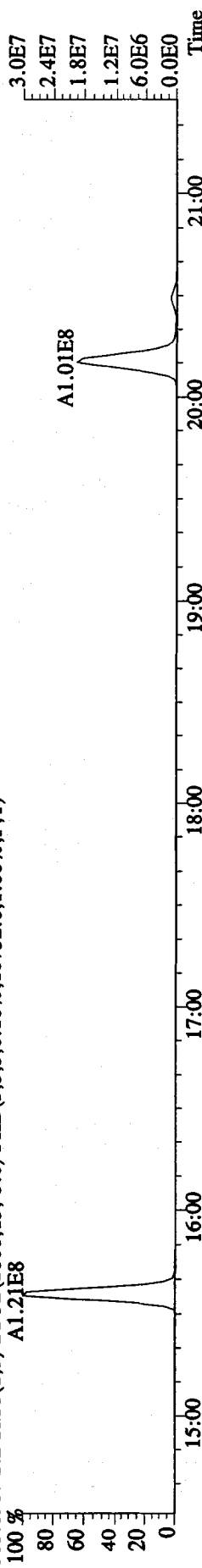
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



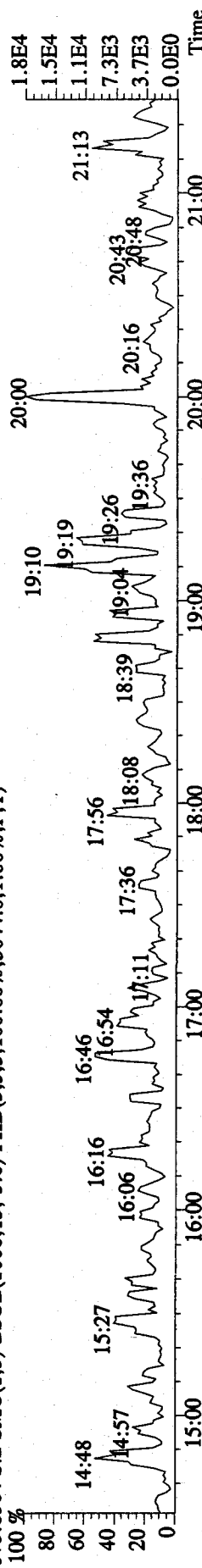
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7852.0,1.00%,F,T)



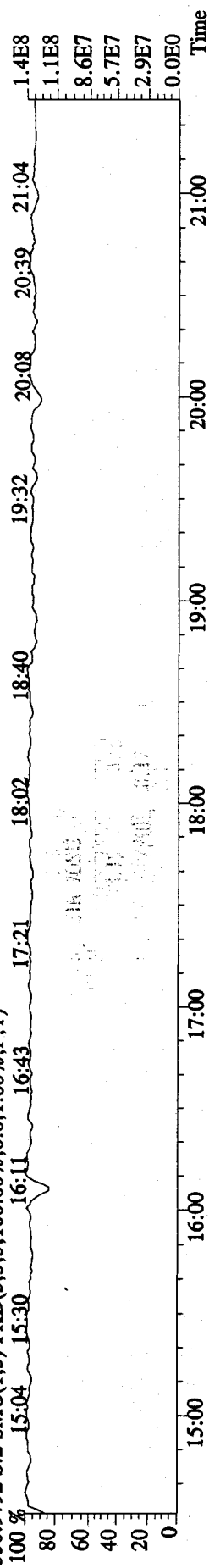
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10752.0,1.00%,F,T)



375.8364 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3044.0,1.00%,F,T)



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



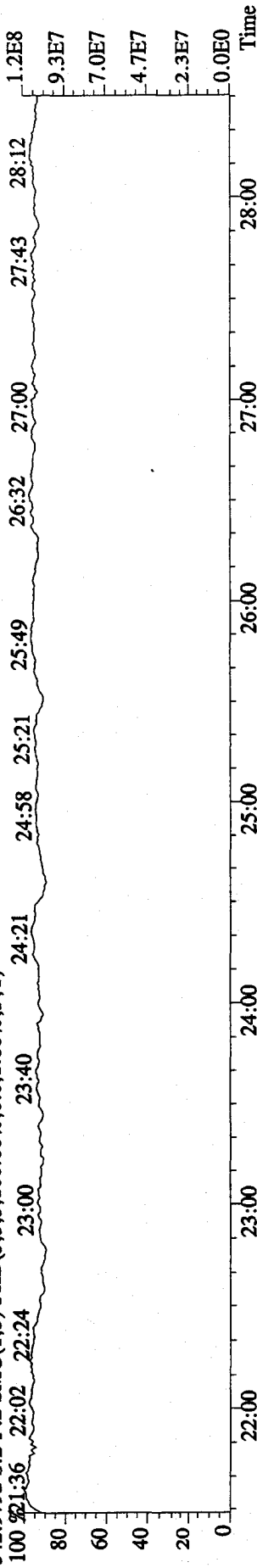


File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN

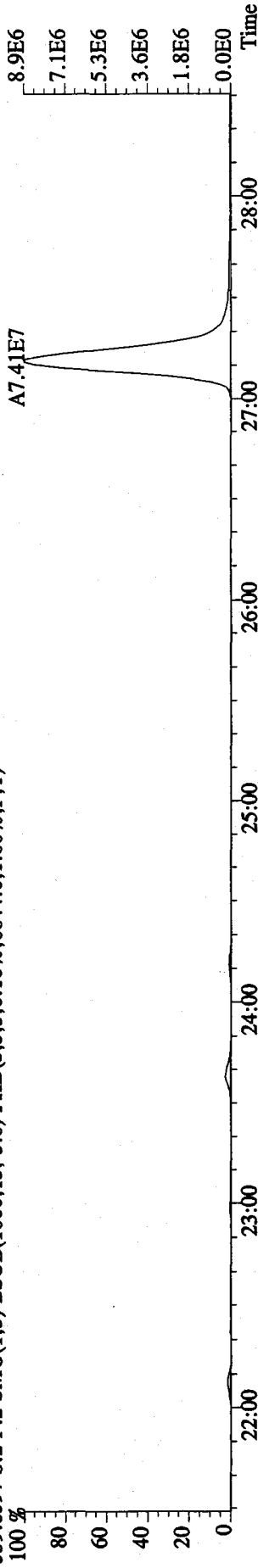
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 21:36 22:02 22:24 23:00 23:40 24:21 24:58 25:21 25:49 26:32 27:00 27:43 28:12



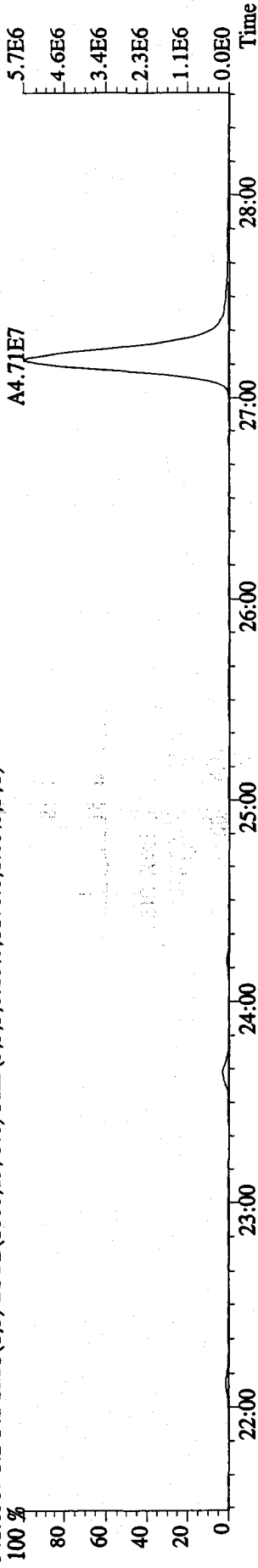
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6644.0,1.00%,F,T)

100% 8.9E6 7.1E6 5.3E6 3.6E6 1.8E6 0.0E0



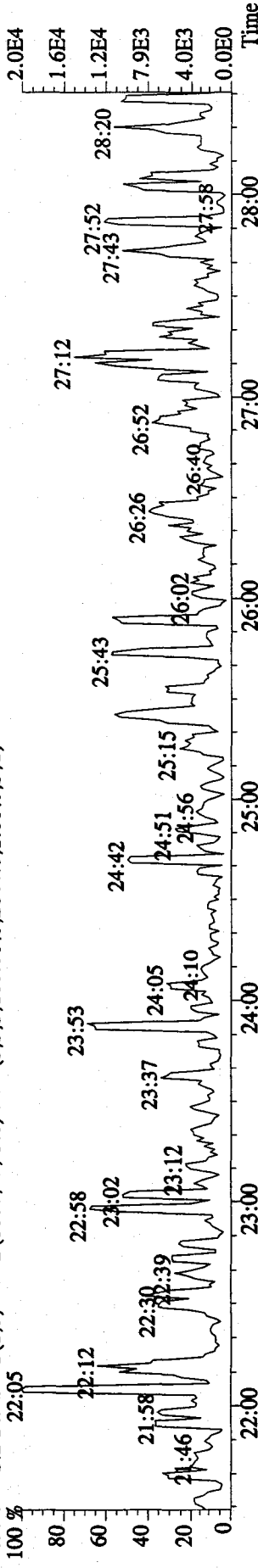
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8176.0,1.00%,F,T)

100% 5.7E6 4.6E6 3.4E6 2.3E6 1.1E6 0.0E0

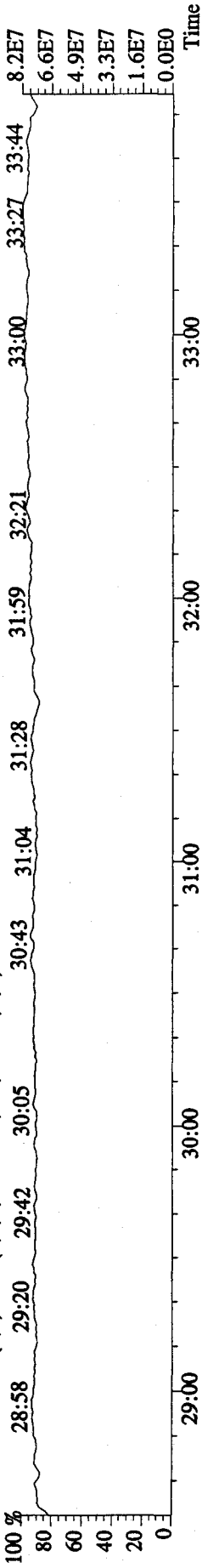


409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2644.0,1.00%,F,T)

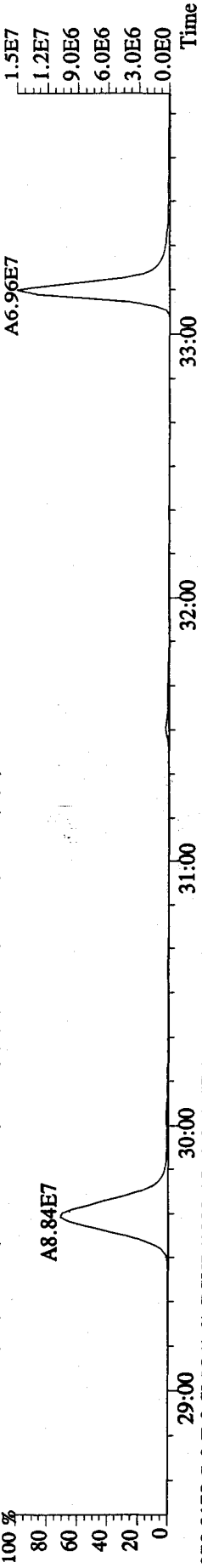
100% 2.0E4 1.6E4 1.2E4 7.9E3 4.0E3 0.0E0



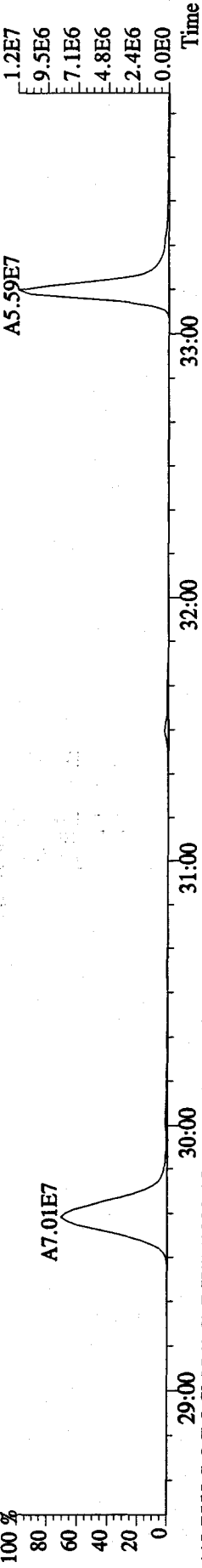
File:04JA10AID5 #1-362 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 %



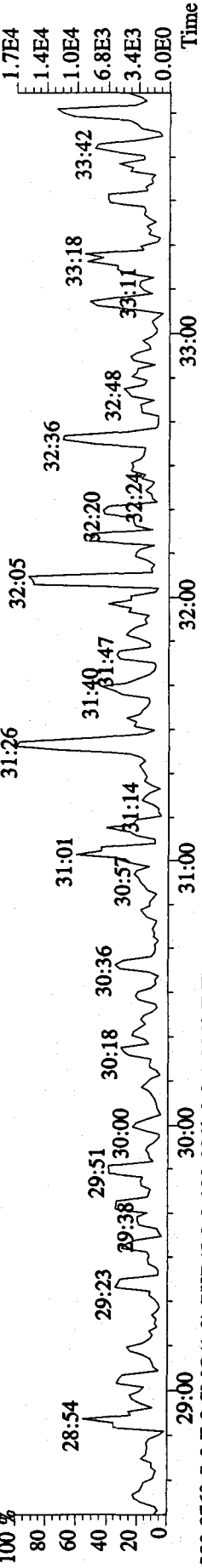
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7976.0,1.00%,F,T)



375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6856.0,1.00%,F,T)

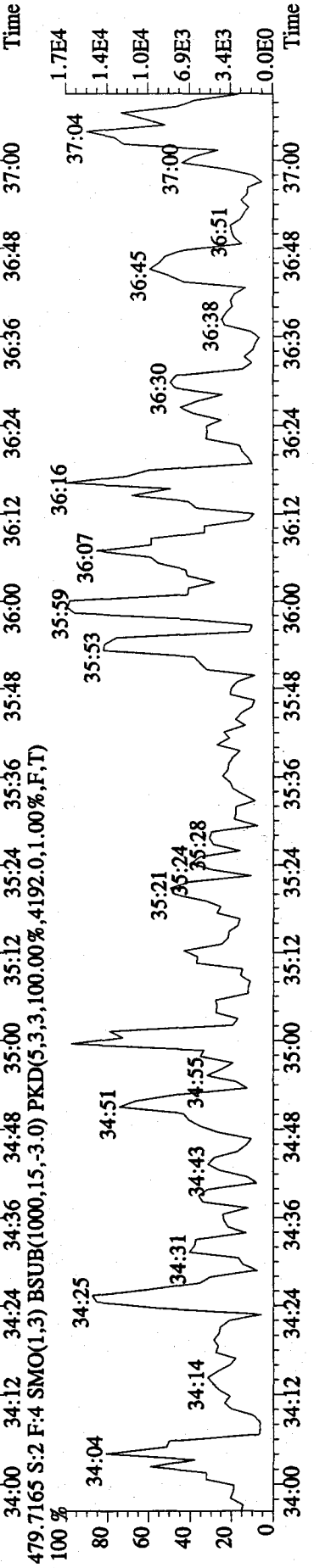
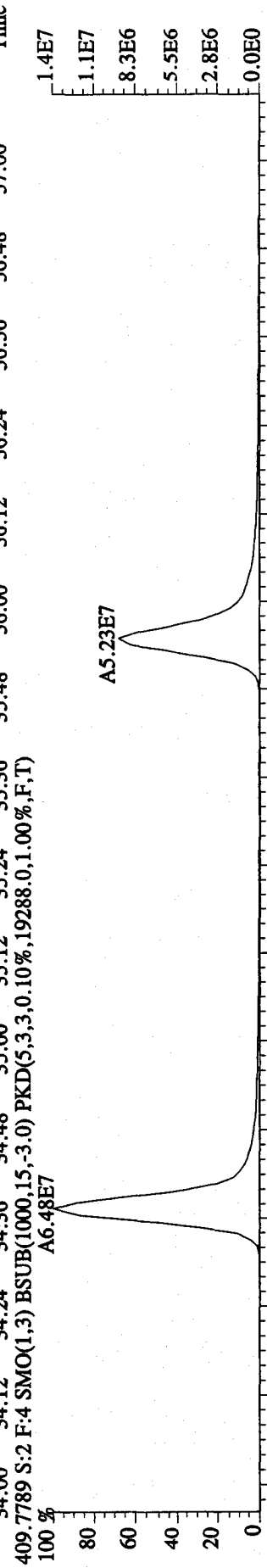
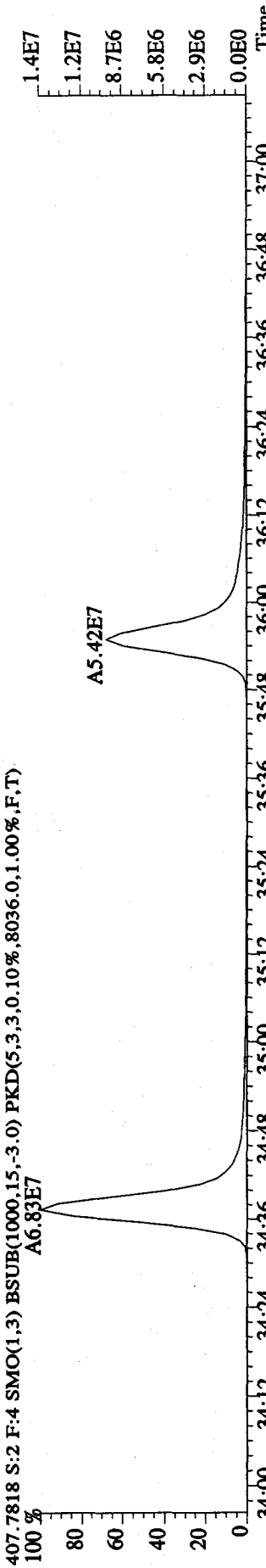
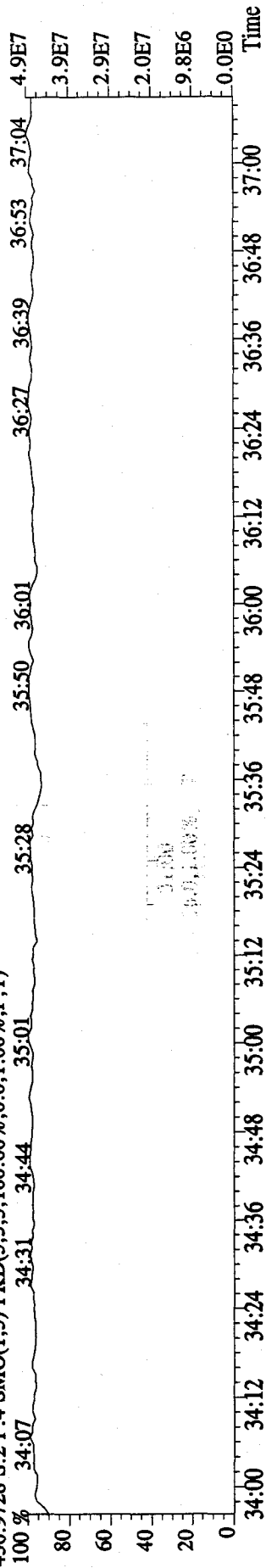


445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3264.0,1.00%,F,T)

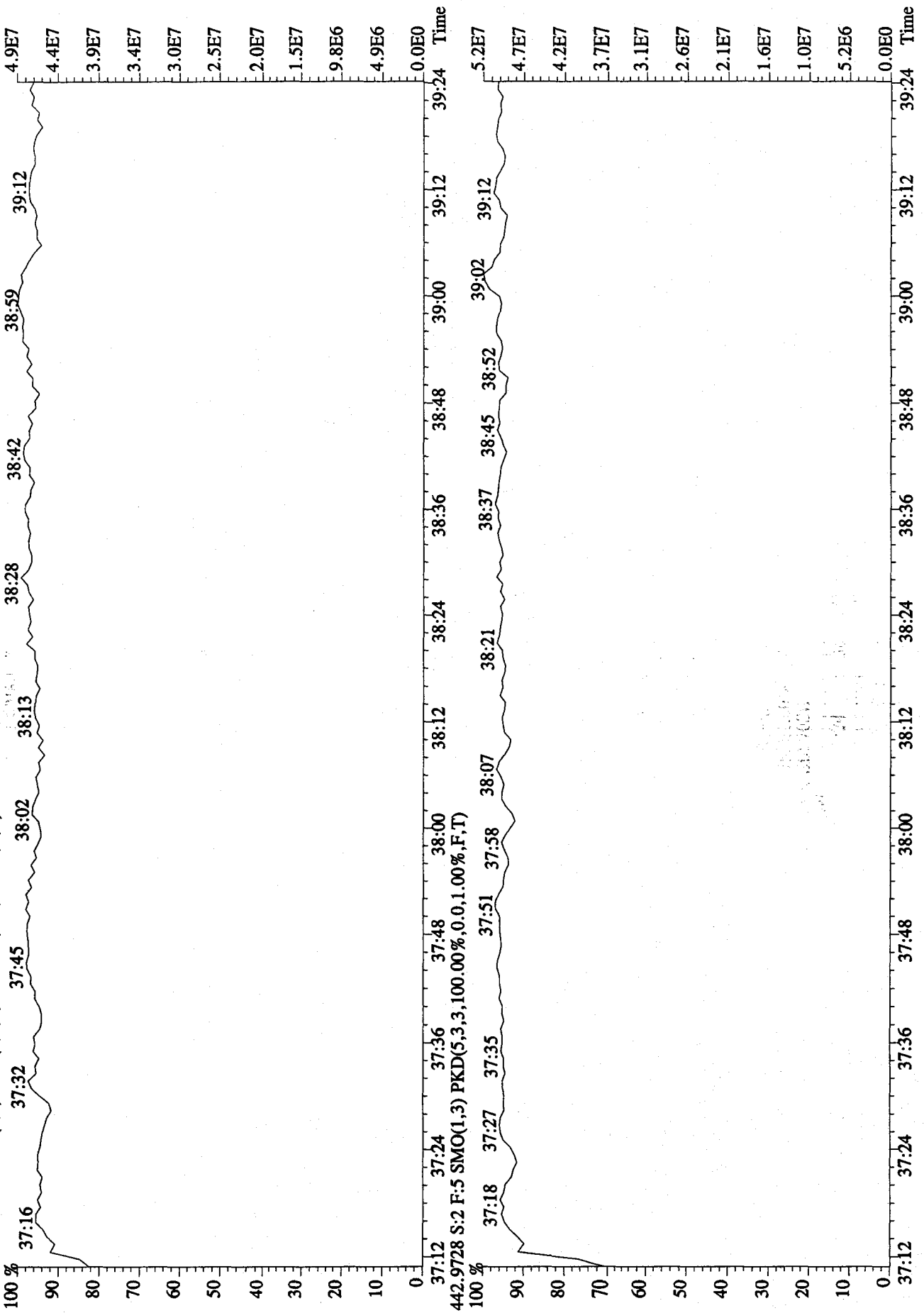


380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 34:07 34:31 34:44 35:01 35:28 35:50 36:01 36:27 36:39 36:53 37:04 4.9E7

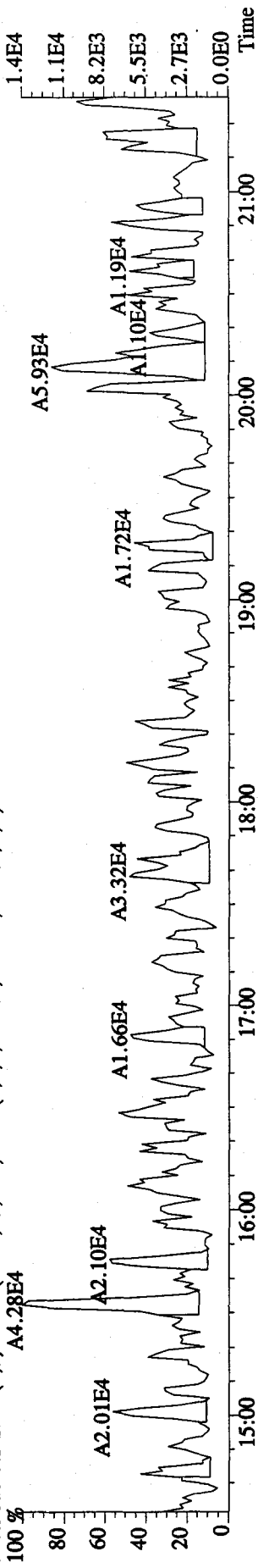


File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 15:04:34 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

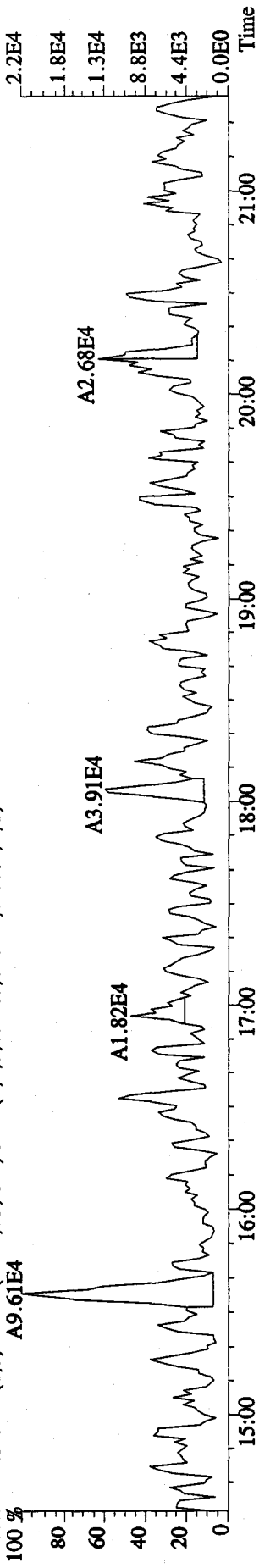


File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

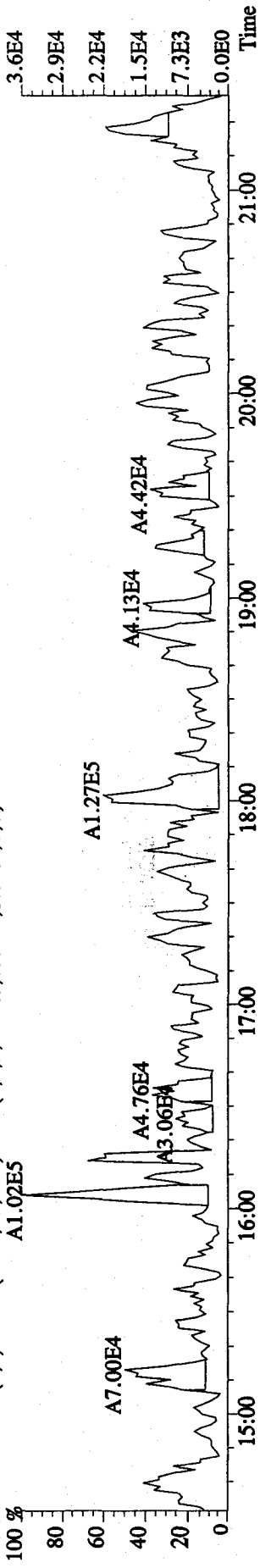
Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN  
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3492.0,1.00%,F,T)



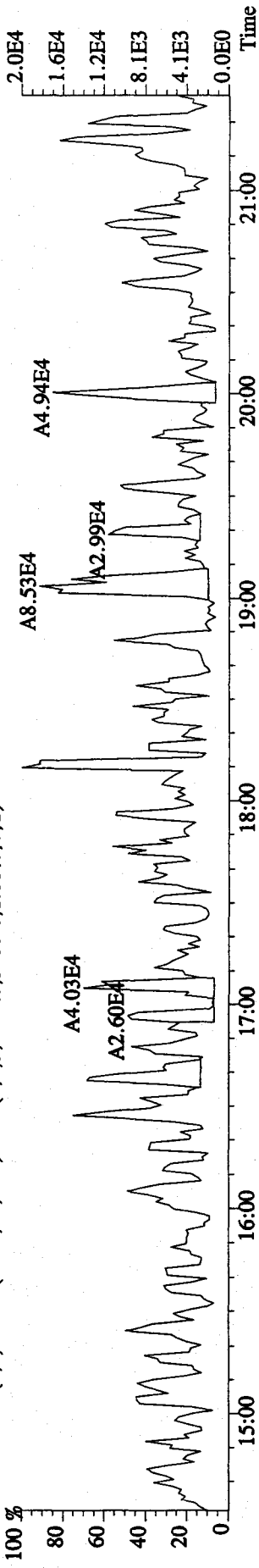
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



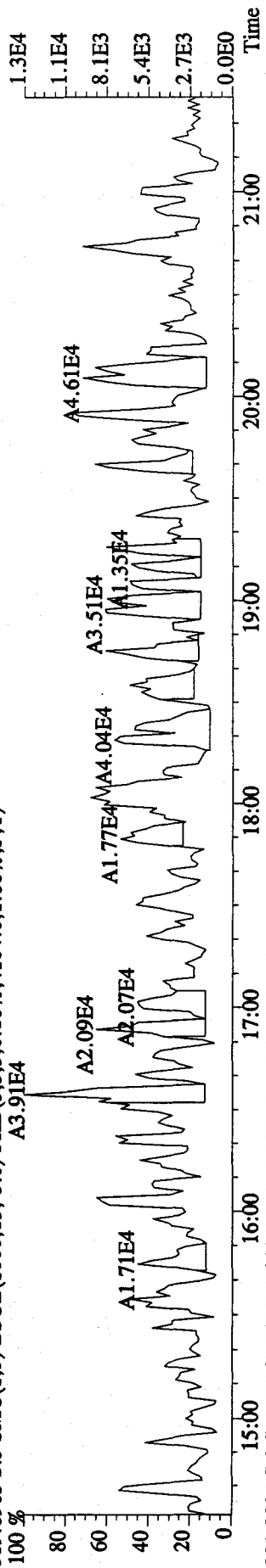
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8332.0,1.00%,F,T)



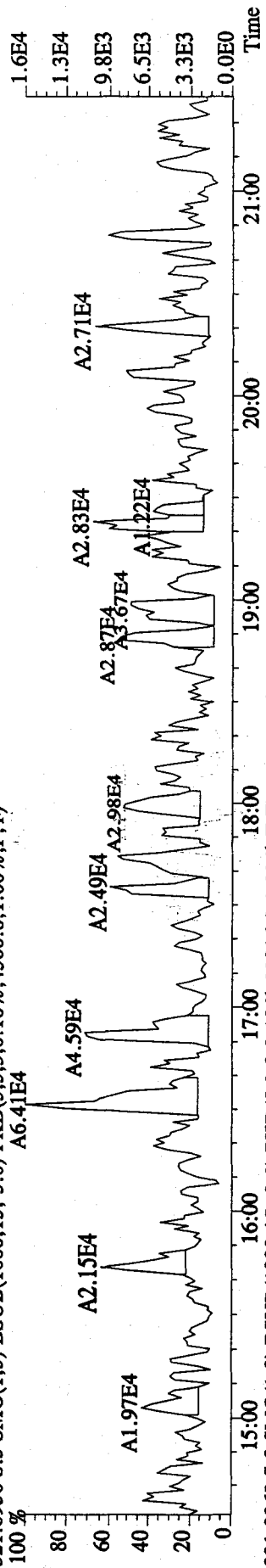
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5480.0,1.00%,F,T)



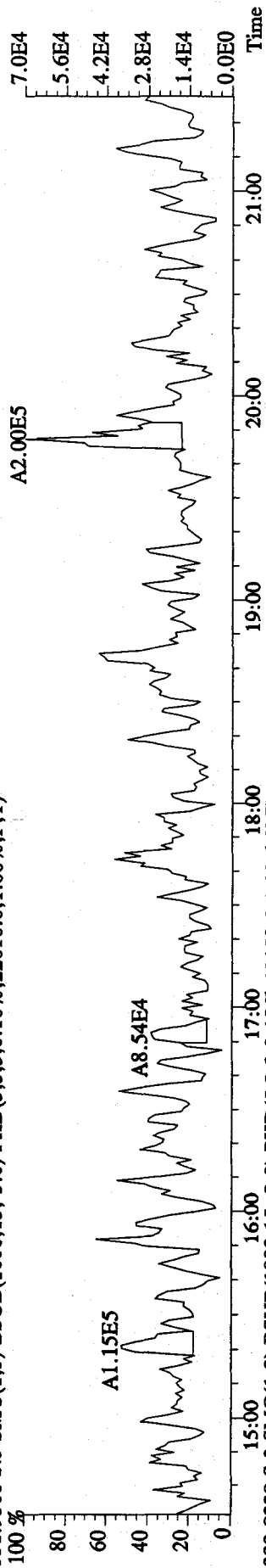
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN  
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4104.0,1.00%,F,T)  
 A3.91E4



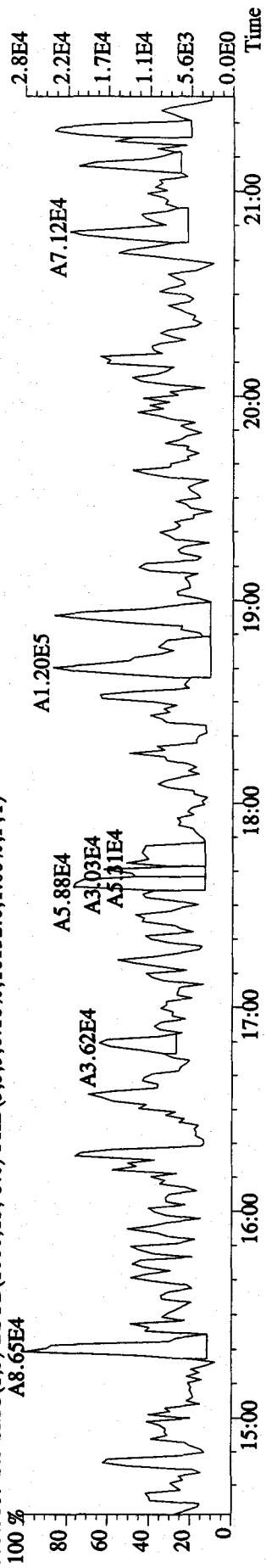
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4500.0,1.00%,F,T)  
 A6.41E4



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22016.0,1.00%,F,T)  
 A2.00E5



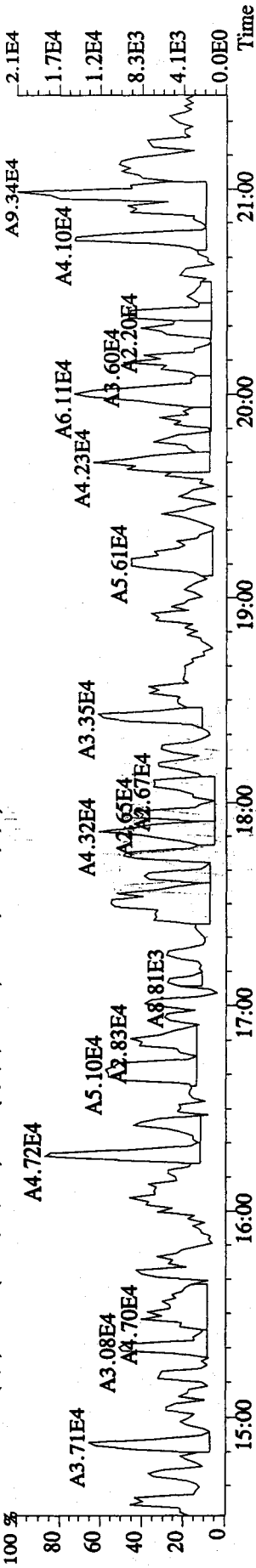
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10152.0,1.00%,F,T)  
 A8.65E4



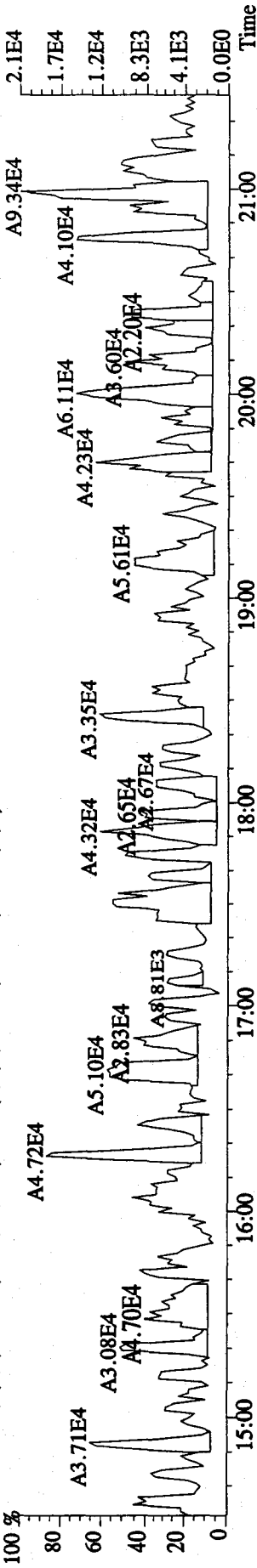
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN

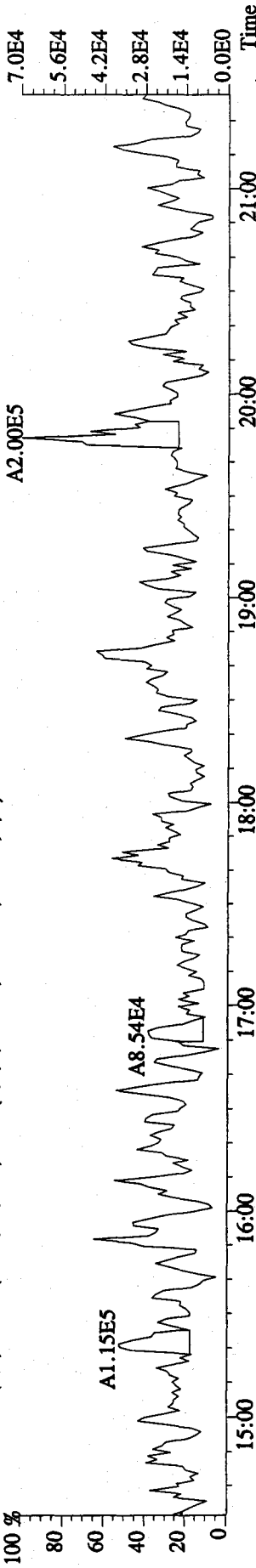
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4408,0.1,0.00%,F,T)



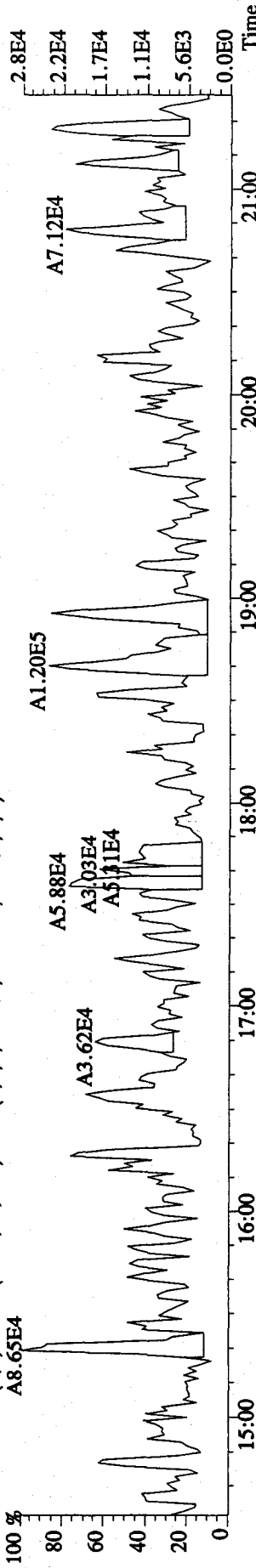
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4408,0.1,0.00%,F,T)



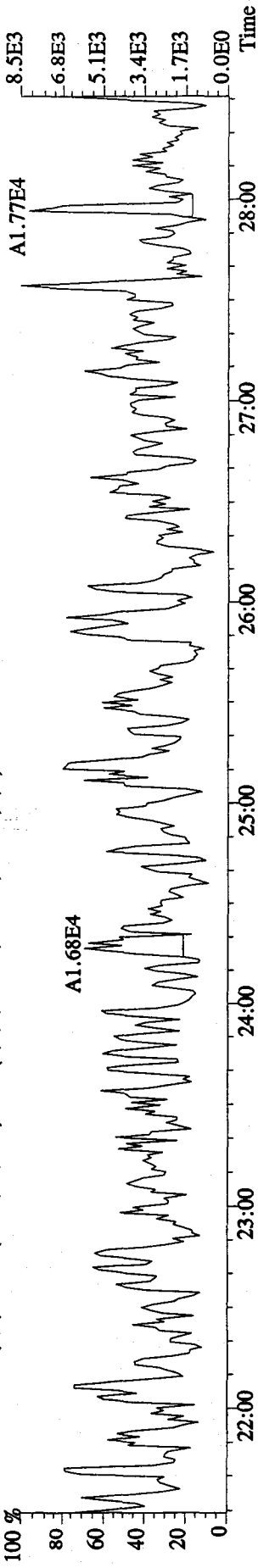
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,22016,0.1,0.00%,F,T)



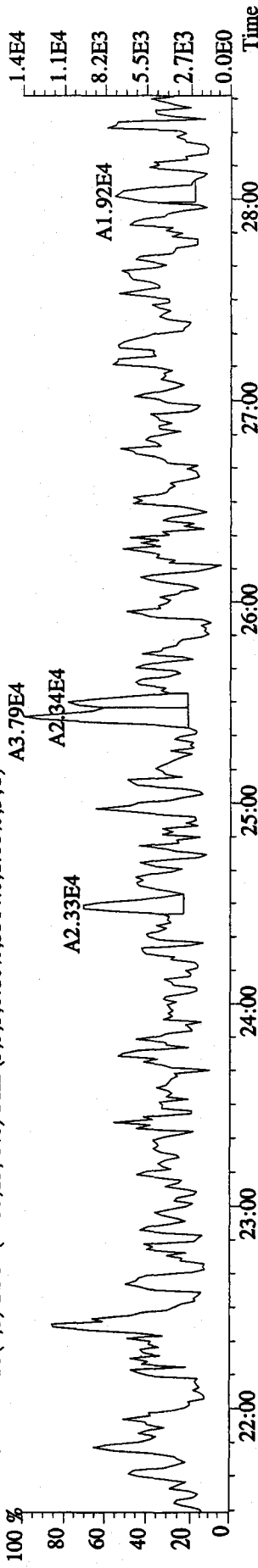
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10152,0.1,0.00%,F,T)



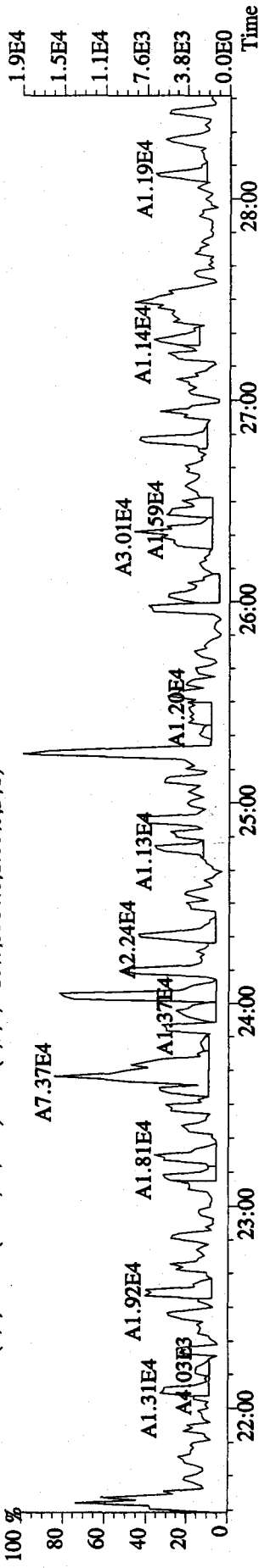
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN  
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,3624.0,1.00%,F,T)



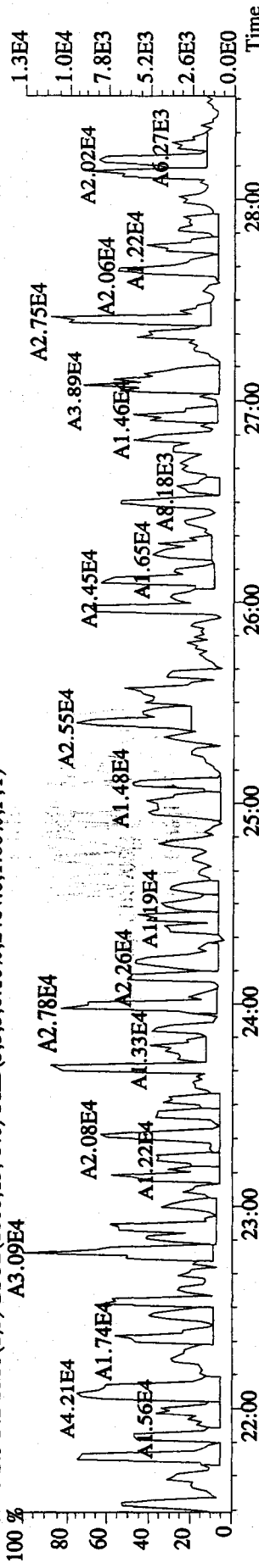
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,5384.0,1.00%,F,T)



351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,3284.0,1.00%,F,T)

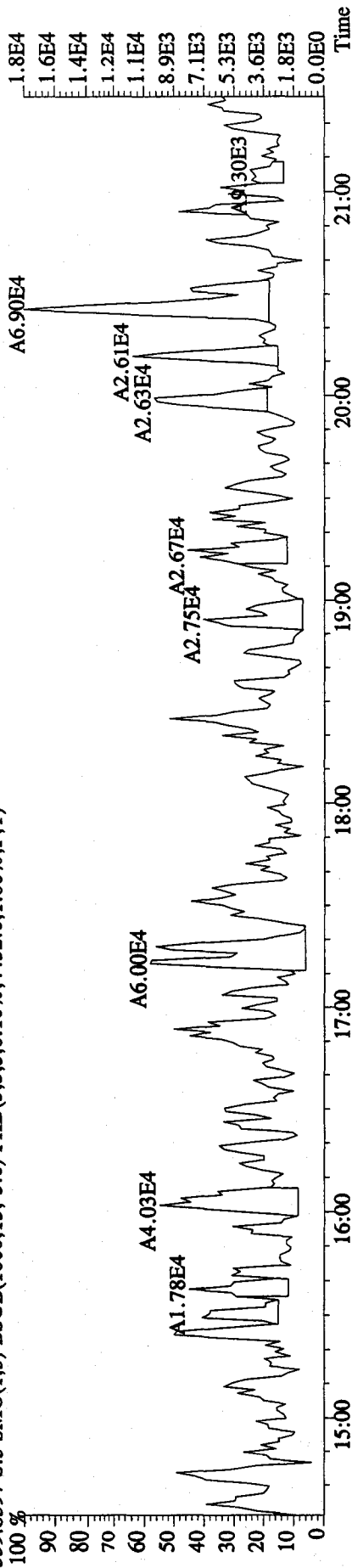


353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,2484.0,1.00%,F,T)

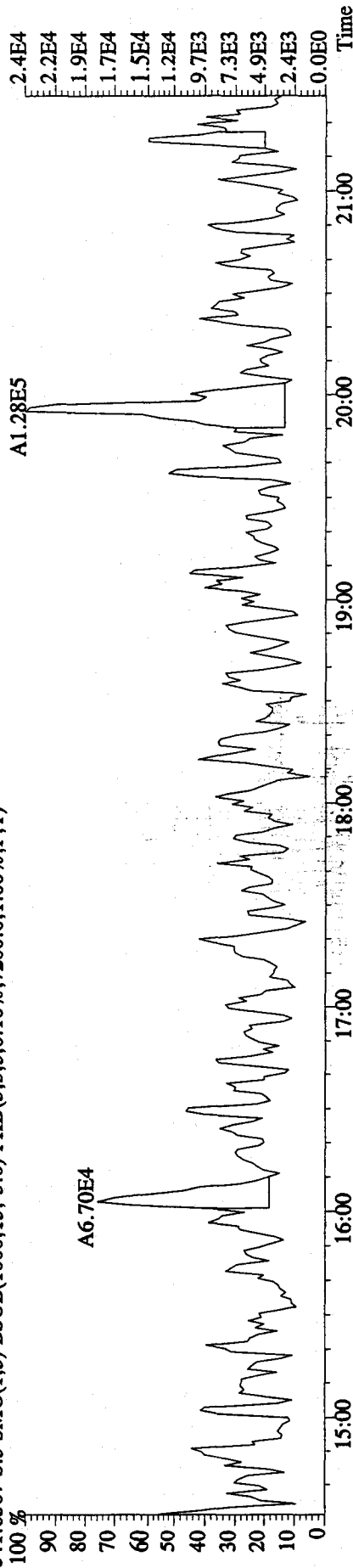




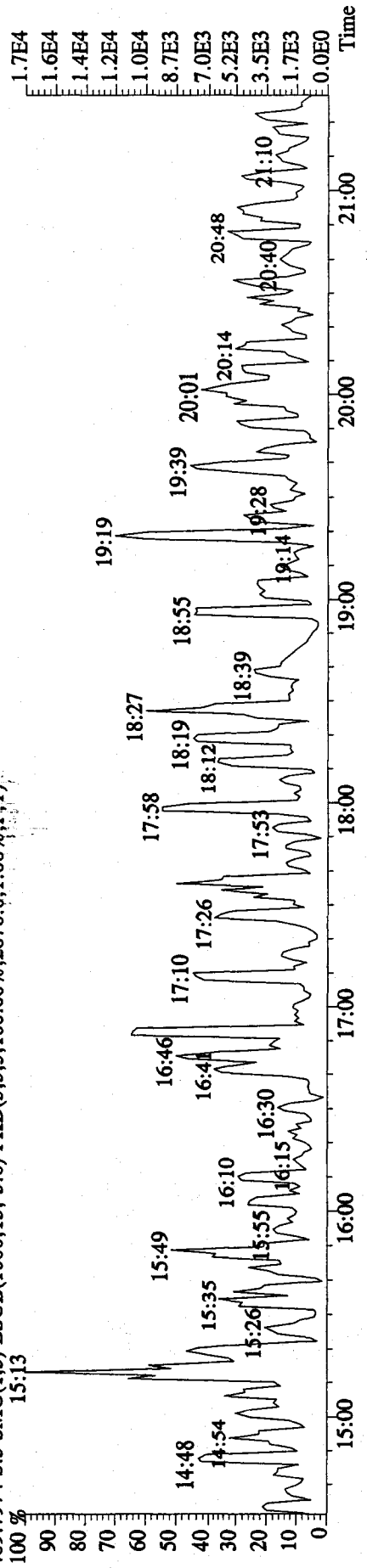
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN  
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4452.0,1.00%,F,T)



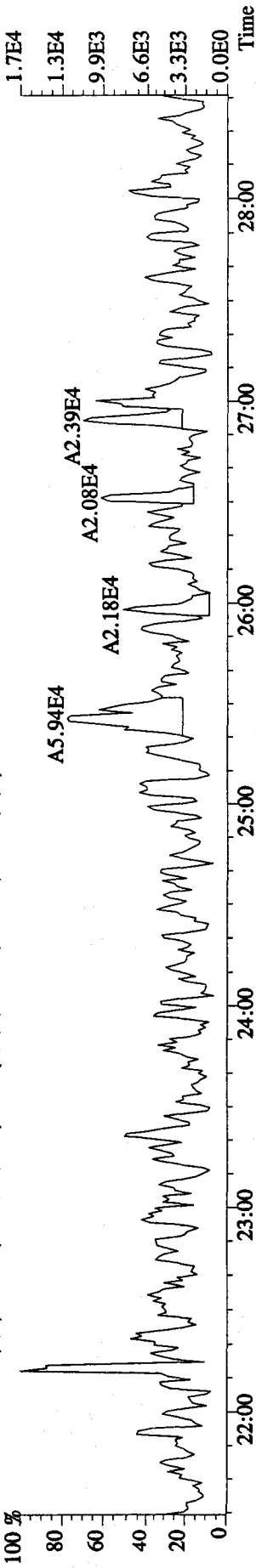
341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7200.0,1.00%,F,T)



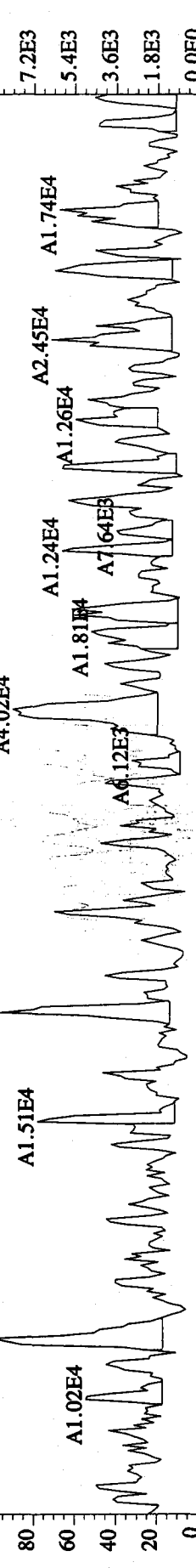
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,1.00%,2876.0,1.00%,F,T)



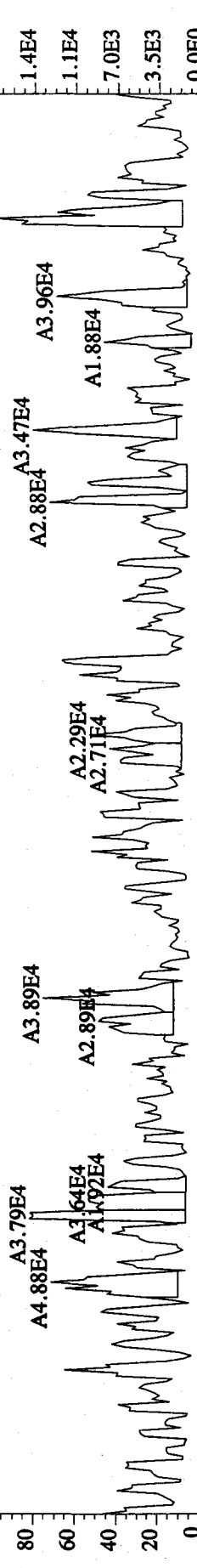
File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN  
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4864,0.1.00%,F,T)



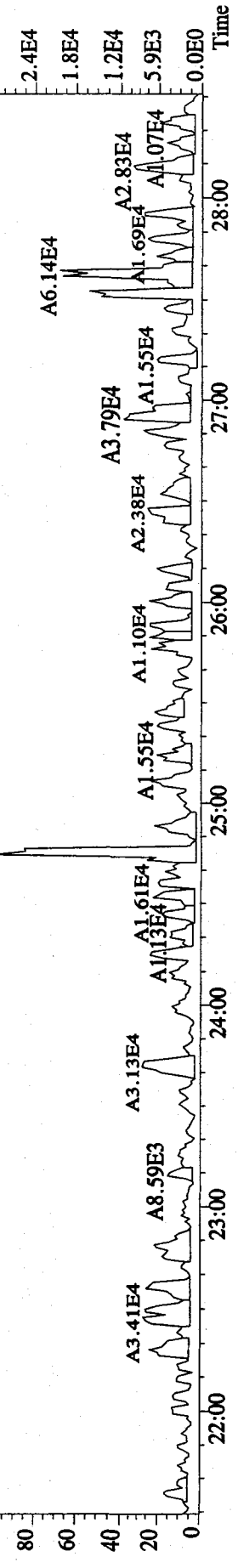
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2476,0.1.00%,F,T)



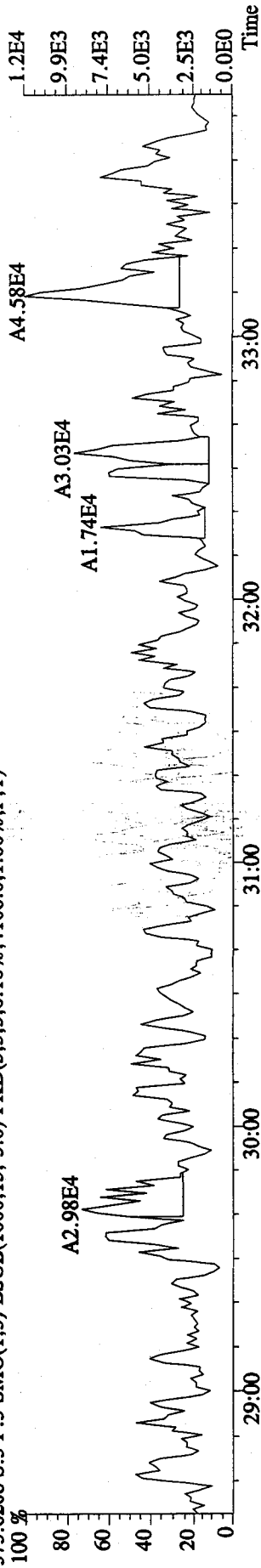
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4972,0.1.00%,F,T)



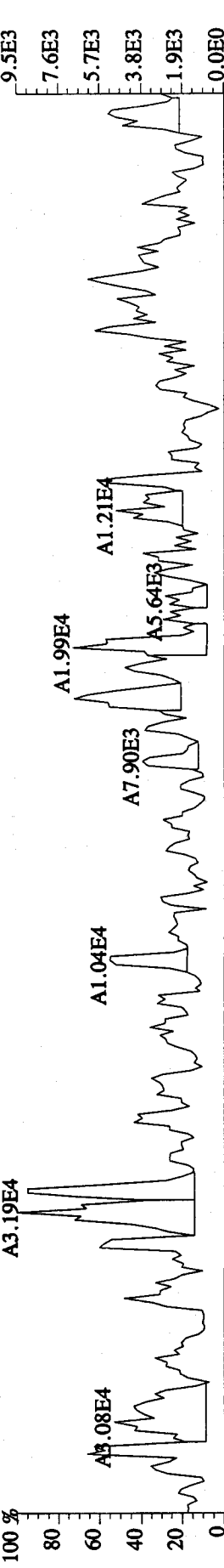
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2672,0.1.00%,F,T)



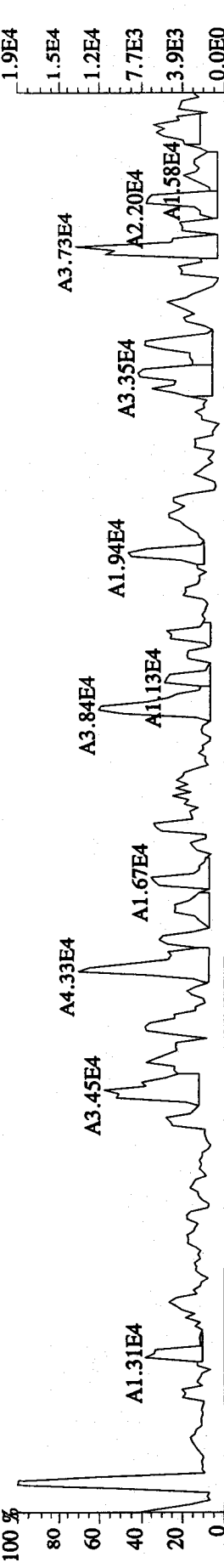
File: 04JA10A1D5 #1-362 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text: SB0104 :Solvent Blank C-14 Exp: DIOXIN  
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4108.0,1.00%,F,T)



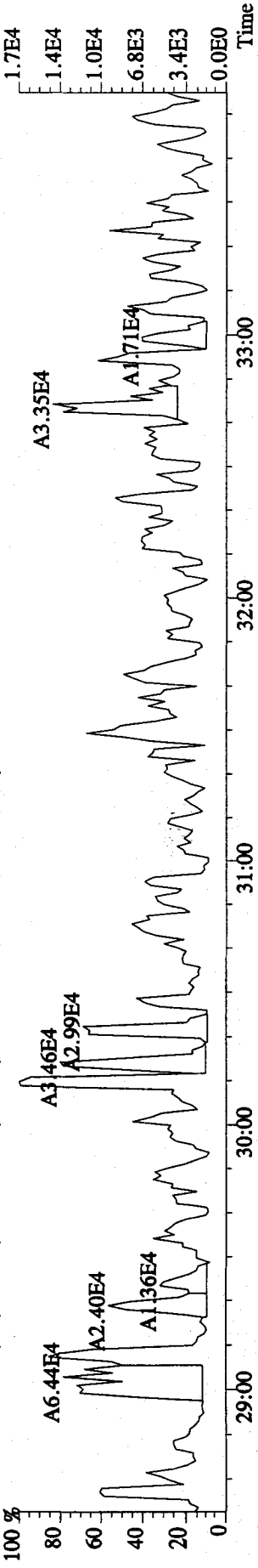
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2640.0,1.00%,F,T)



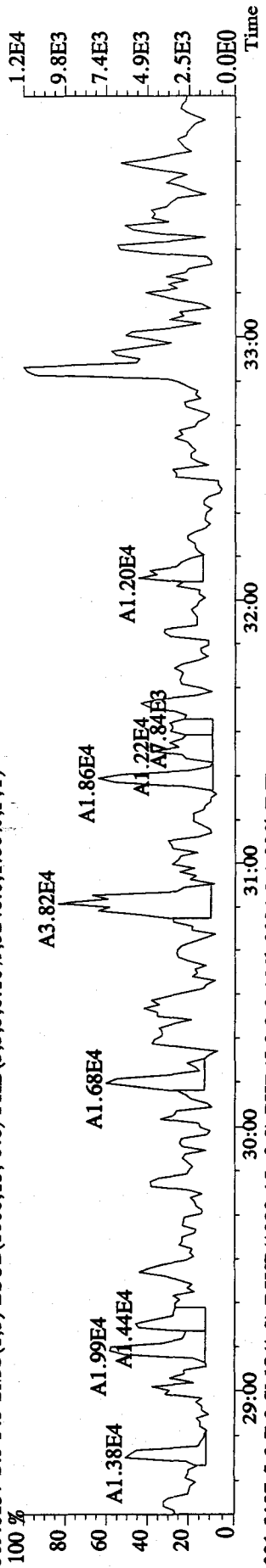
383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3244.0,1.00%,F,T)



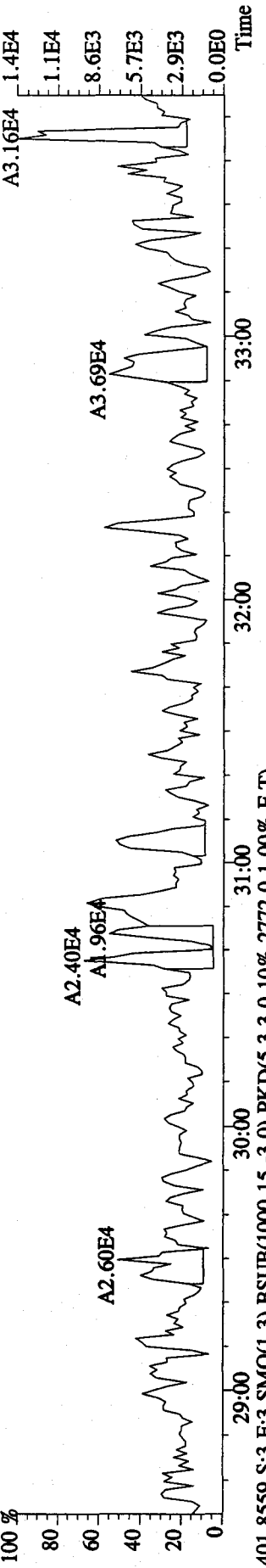
385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5732.0,1.00%,F,T)



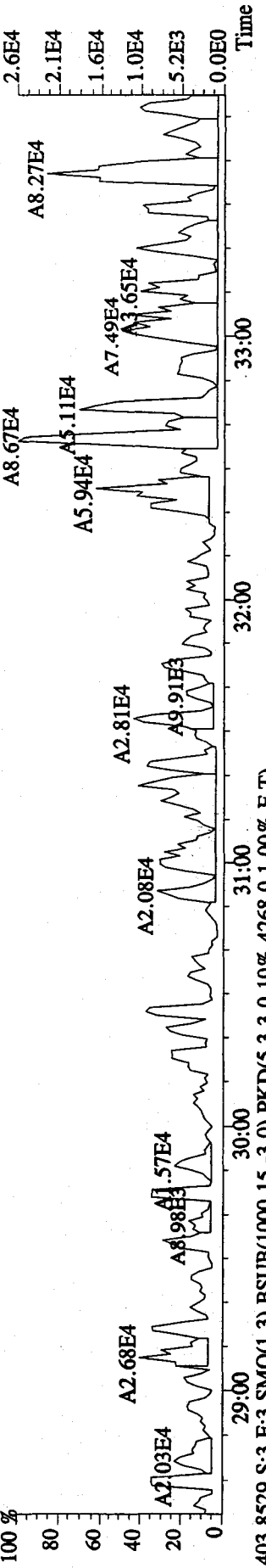
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN  
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



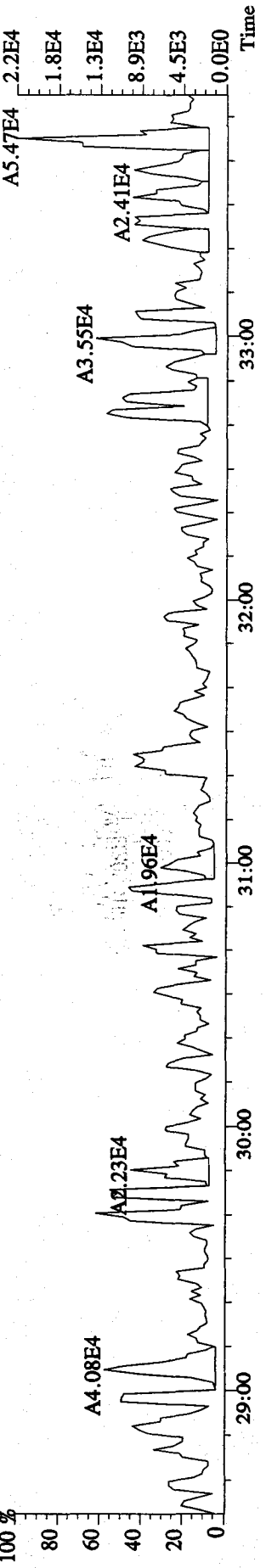
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3924.0,1.00%,F,T)



401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2772.0,1.00%,F,T)



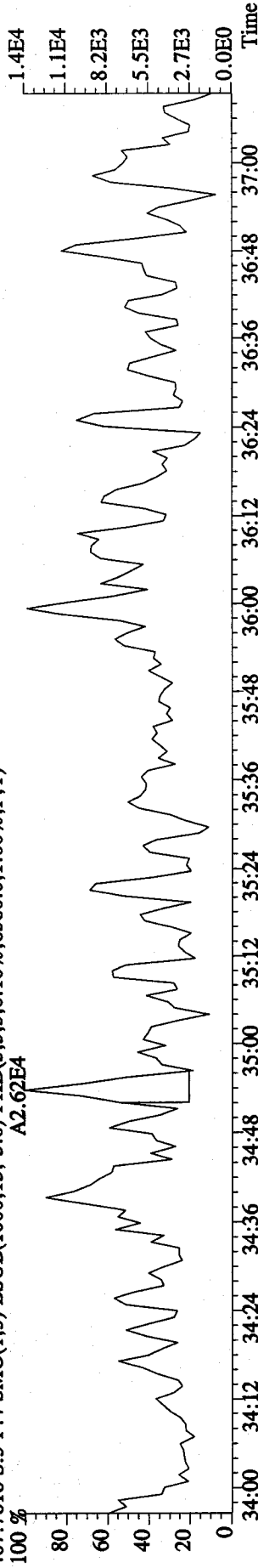
403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4268.0,1.00%,F,T)



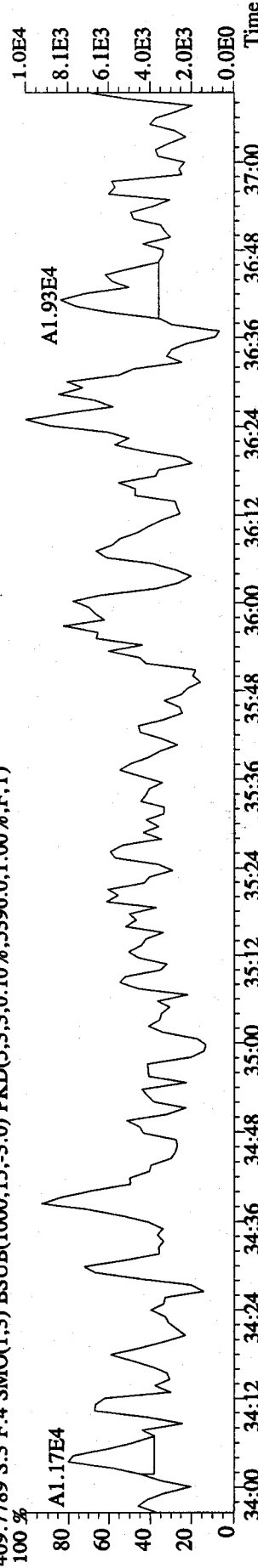
File:041A10A1D5 #1-227 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN

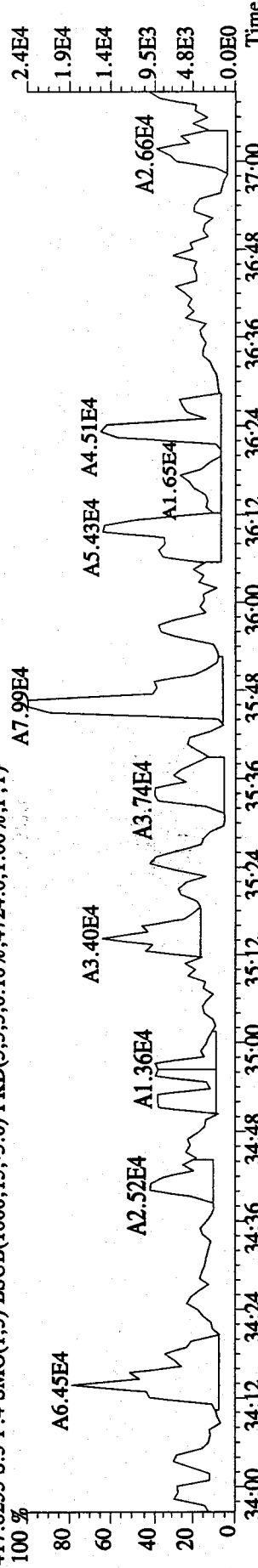
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6580.0,1.00%,F,T)



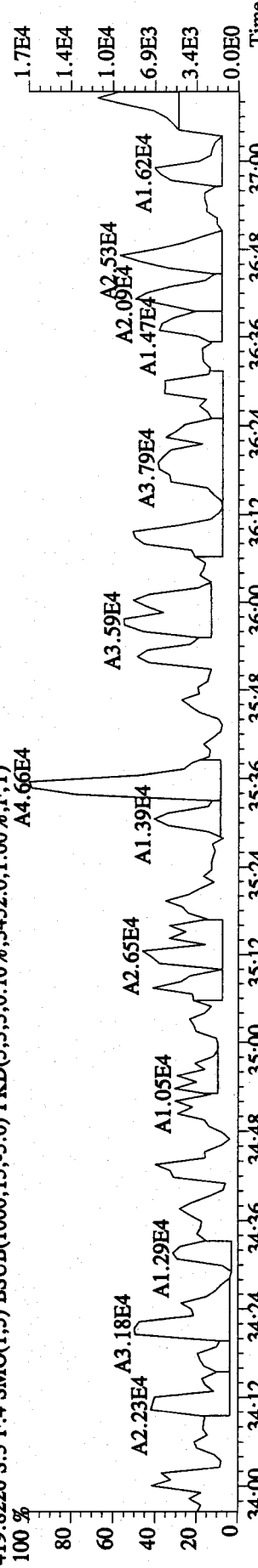
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5396.0,1.00%,F,T)



417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)



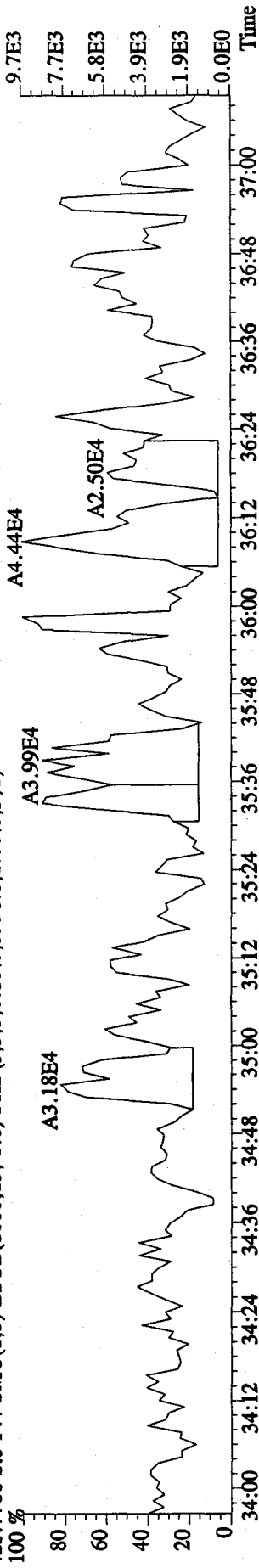
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3452.0,1.00%,F,T)



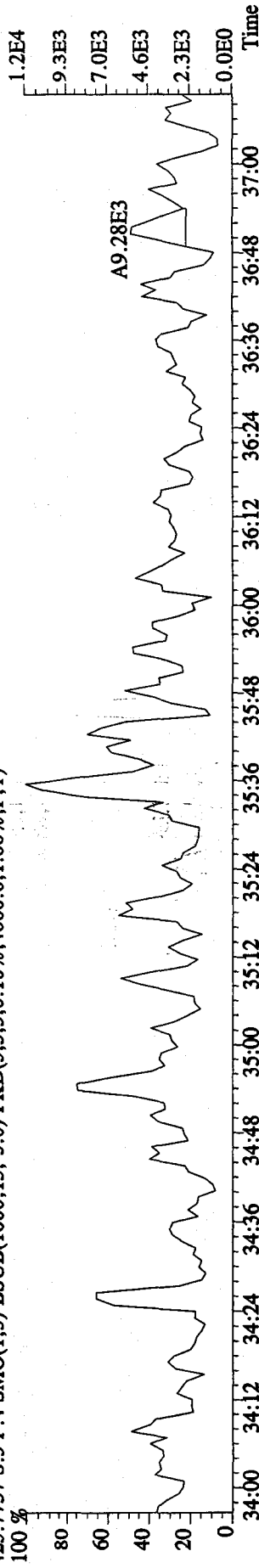
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN

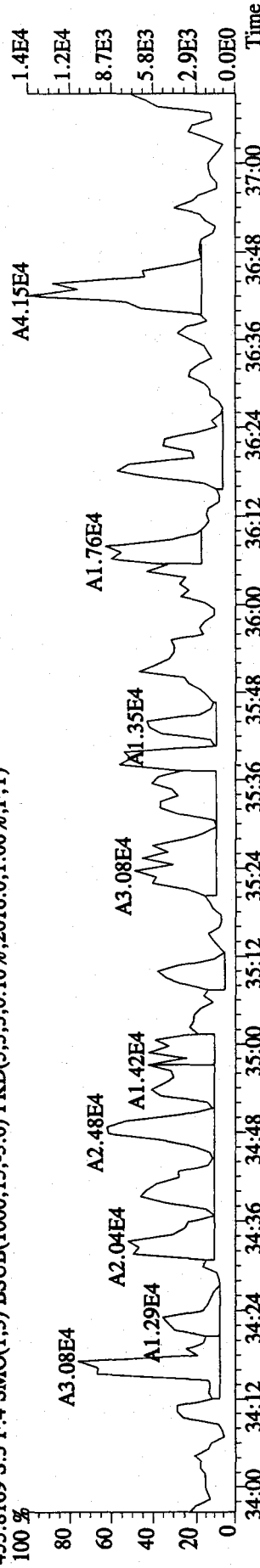
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3996,0.1,0.00%,F,T)



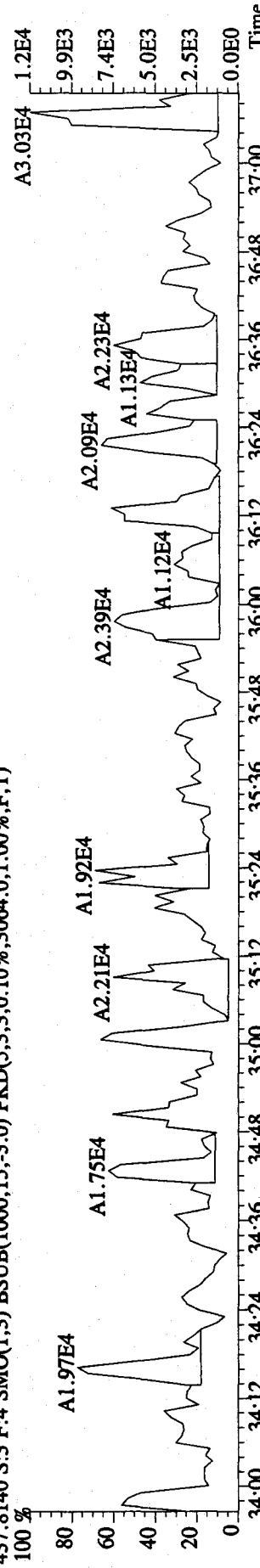
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4000,0.1,0.00%,F,T)



435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2616,0.1,0.00%,F,T)

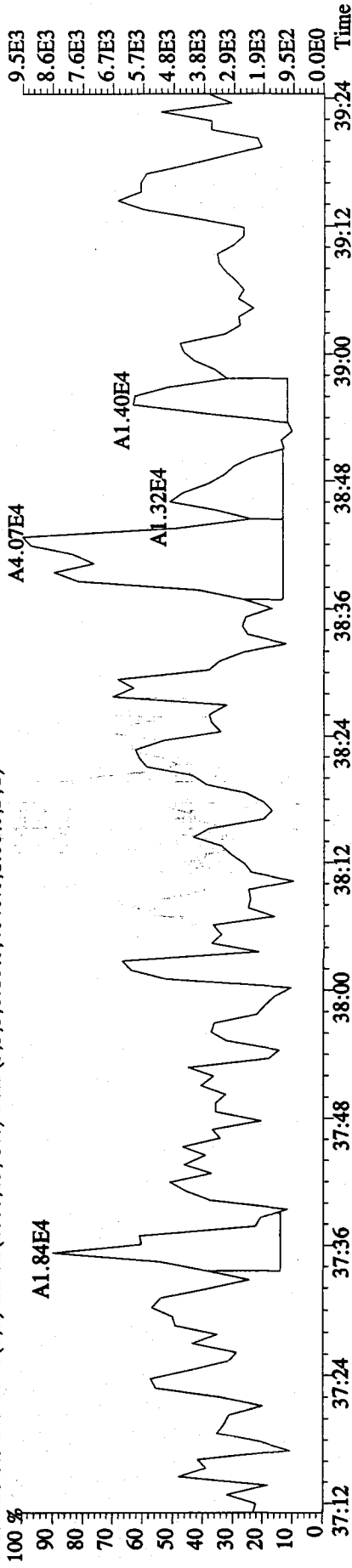


437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3064,0.1,0.00%,F,T)



File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN

441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,4040.0,1.00%,F,T)



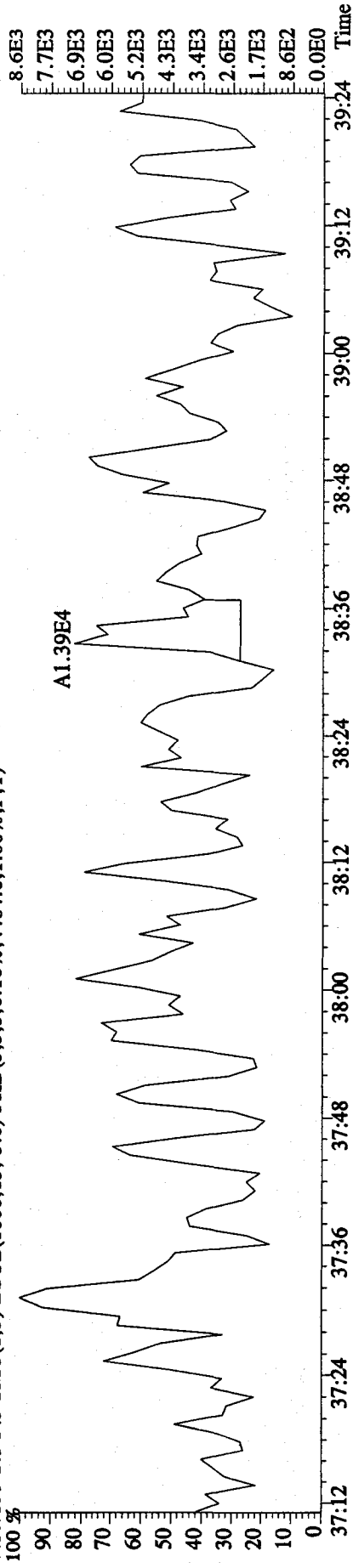
A1.84E4

A4.07E4

A1.40E4

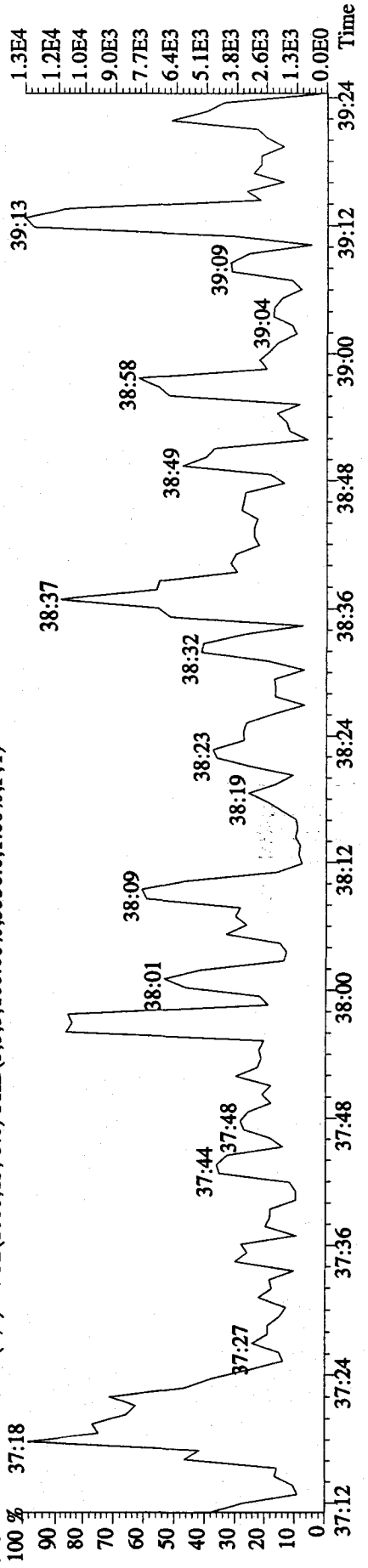
A1.32E4

443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,4484.0,1.00%,F,T)



A1.39E4

513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,3556.0,1.00%,F,T)



37:18

38:37

39:13

38:01

38:09

38:23

38:32

38:49

38:58

39:09

39:04

39:13

37:27

37:44

37:48

File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0104

457 7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084,0.1,0.00%,F,T)

100 %

A1.69E4

A1.74E4

A7.70E3

A7.64E3

A3.17E4

8.0E3

6.4E3

4.8E3

3.2E3

1.6E3

0.0E0

Time

37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24

459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3864,0.1,0.00%,F,T)

100 %

1.1E4

9.0E3

6.8E3

4.5E3

2.3E3

0.0E0

Time

37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24

469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3060,0.1,0.00%,F,T)

100 %

1.2E4

9.8E3

7.3E3

4.9E3

2.4E3

0.0E0

Time

37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24

471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716,0.1,0.00%,F,T)

100 %

1.2E4

9.7E3

7.3E3

4.9E3

2.4E3

0.0E0

Time

37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24

A3.02E4

1.2E4

9.7E3

7.3E3

4.9E3

2.4E3

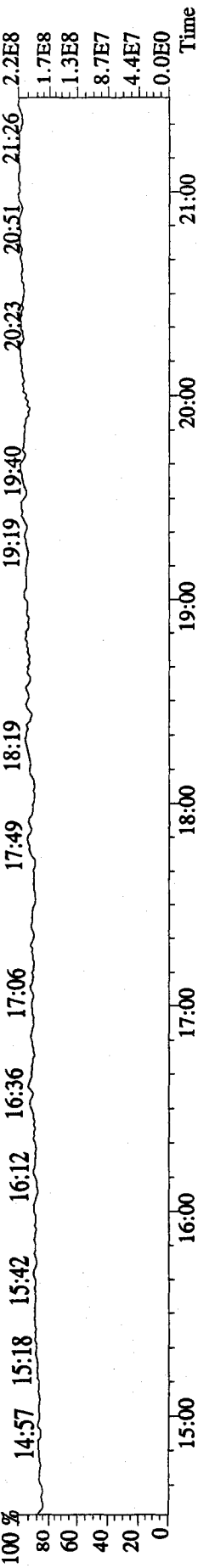
0.0E0

Time

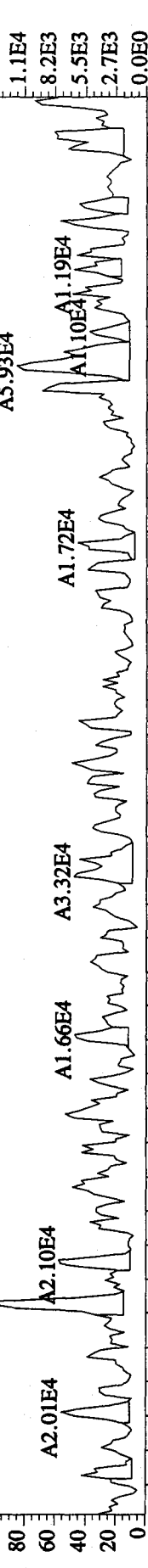
37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24



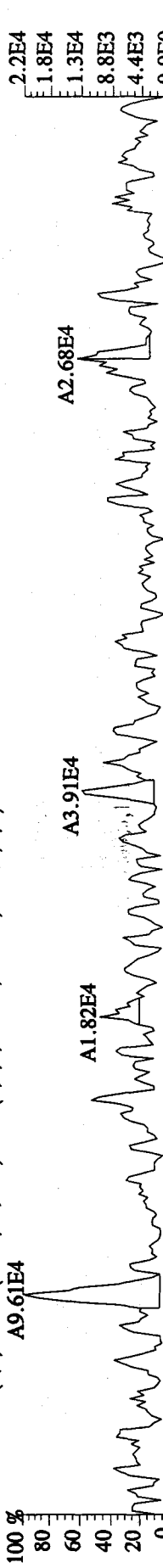
File:04JA10AID5 #1-411 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN  
 292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)  
 100 % 14:57 15:18 15:42 16:12 16:36 17:06 17:49 18:19 19:19 19:40 20:51 21:26 2.2E8  
 80 60 40 20 0 1.7E8  
 1.3E8  
 8.7E7  
 4.4E7  
 0.0E0 Time



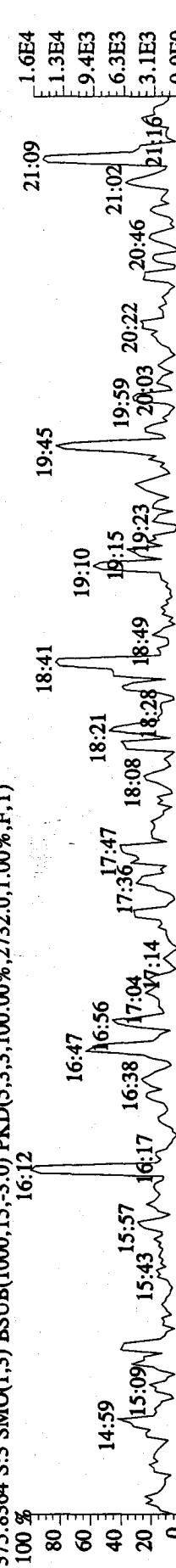
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3492.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00 2.2E4  
 80 60 40 20 0 1.1E4  
 8.2E3  
 5.5E3  
 2.7E3  
 0.0E0 Time



305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00 2.2E4  
 80 60 40 20 0 1.8E4  
 1.3E4  
 8.8E3  
 4.4E3  
 0.0E0 Time



375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2732.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00 1.6E4  
 80 60 40 20 0 1.3E4  
 9.4E3  
 6.3E3  
 3.1E3  
 0.0E0 Time



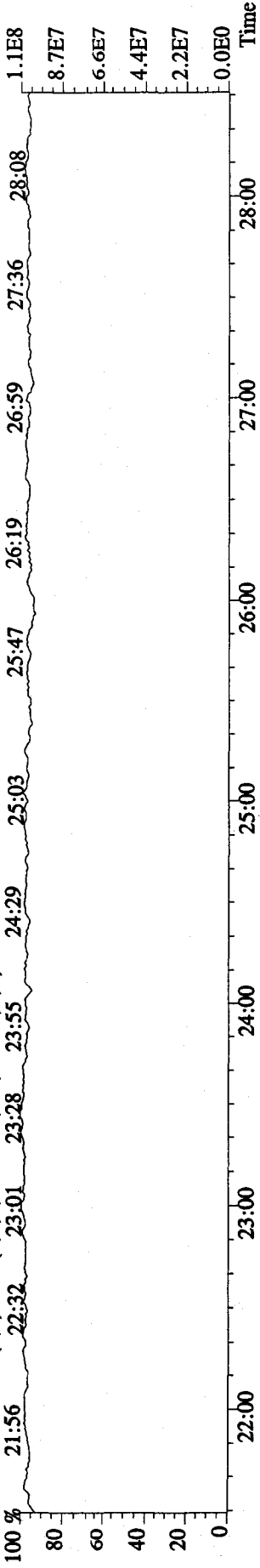
330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00 1.3E8  
 80 60 40 20 0 1.0E8  
 7.8E7  
 5.2E7  
 2.6E7  
 0.0E0 Time

File: 04JA10A1D5 #1-495 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

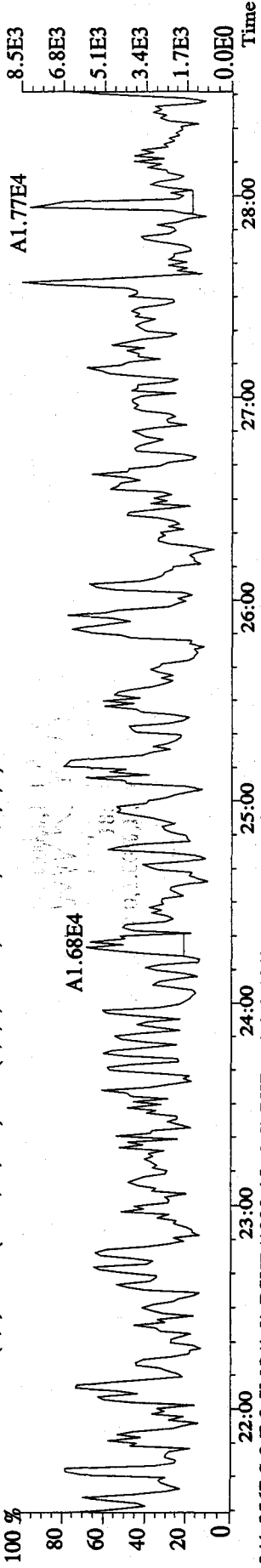
Sample#3 Text: SB0104 :Solvent Blank C-14 Exp: DIOXIN

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

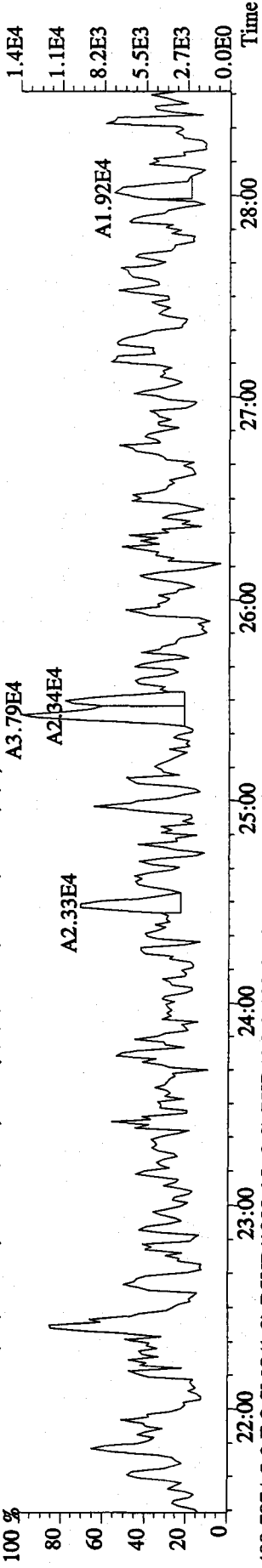
100 % 21:56 22:32 23:01 23:28 23:55 24:29 25:03 25:47 26:19 26:59 27:36 28:08



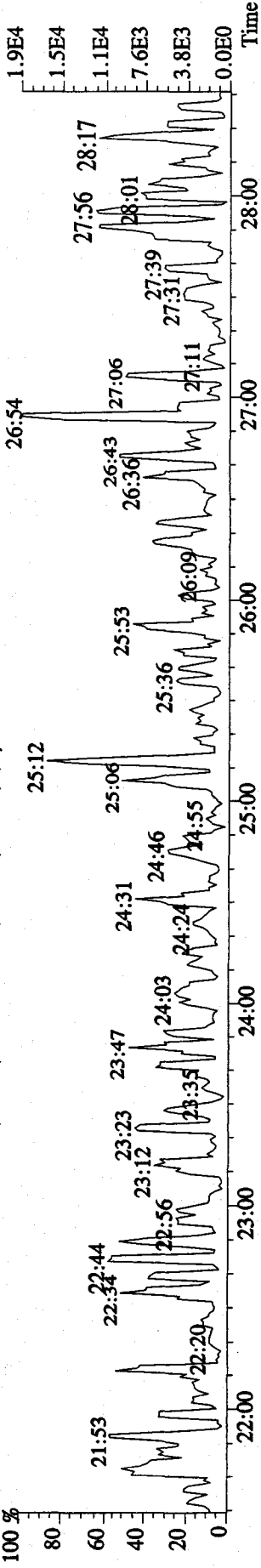
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3624.0,1.00%,F,T)



341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5384.0,1.00%,F,T)



409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2008.0,1.00%,F,T)

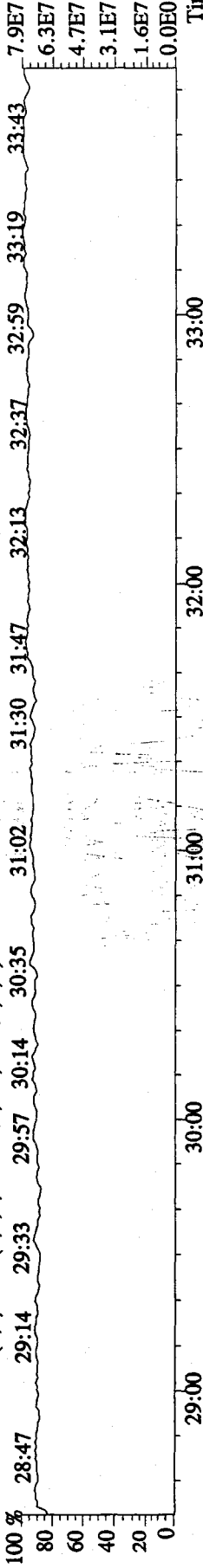


File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

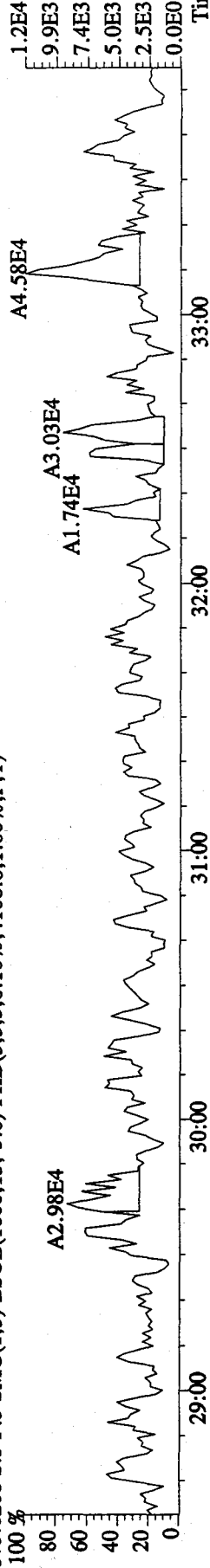
Sample#3 Text:SB0104 :Solvent Blank C-14 Exp:DIOXIN

392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

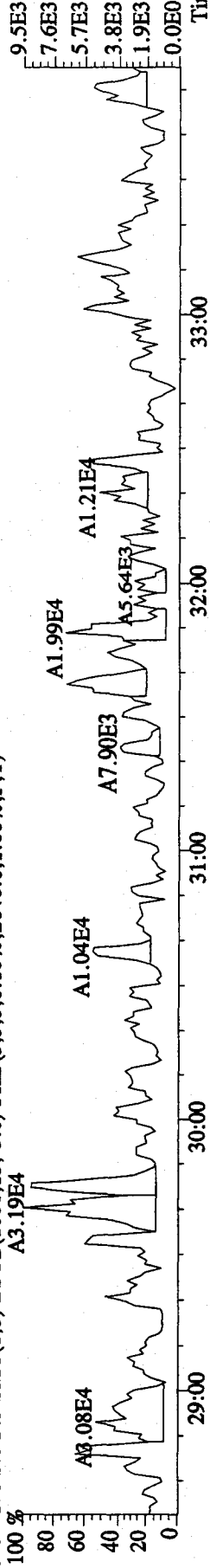
100 % 28:47 29:14 29:33 29:57 30:14 30:35



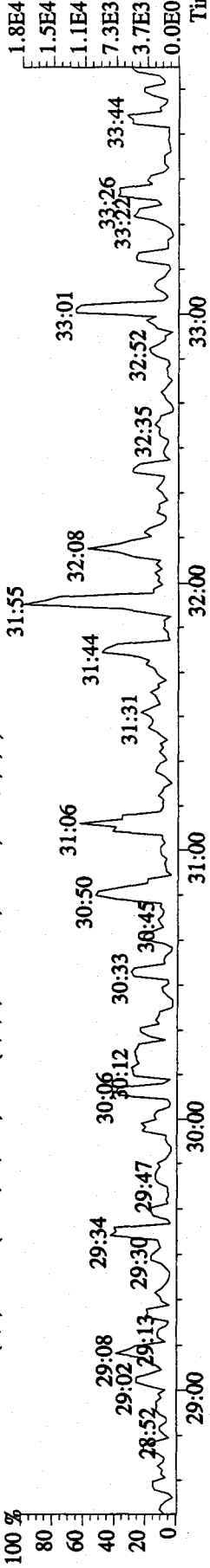
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4108,0,1.00%,F,T)



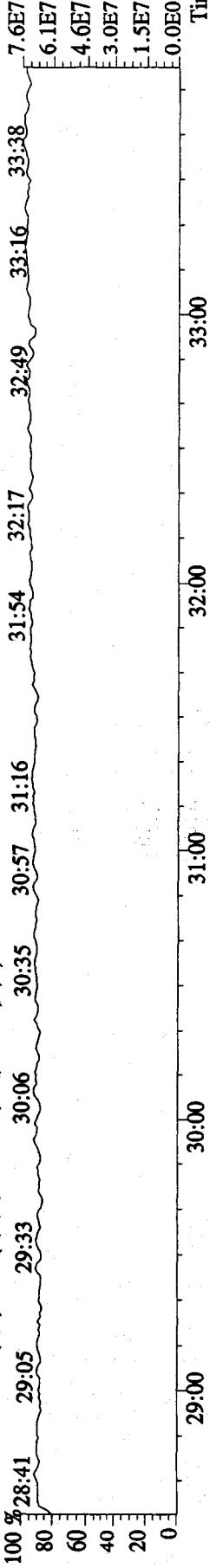
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2640,0,1.00%,F,T)



445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2020,0,1.00%,F,T)



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

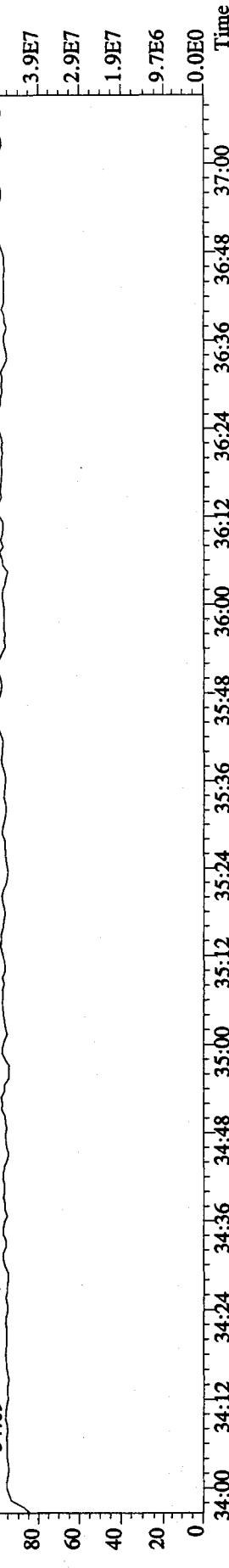


File:04JA10AID5 #1-227 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0104 Solvent Blank C-14 Exp:DIOXIN

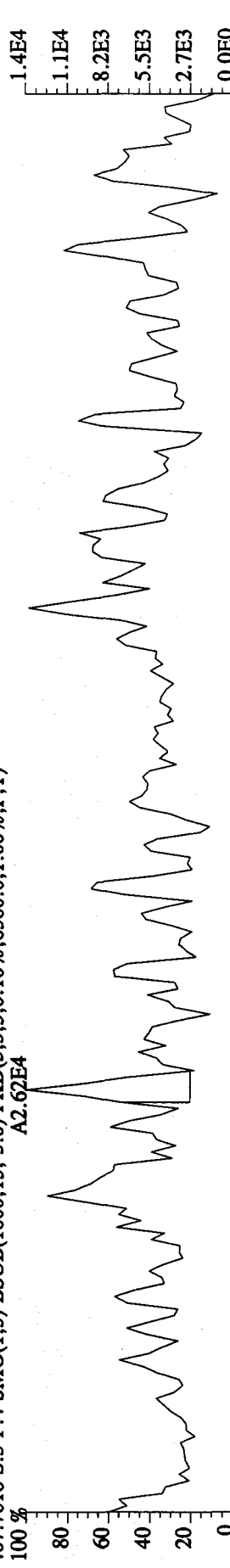
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 34:09 34:31 34:42 34:53 35:13 35:29 35:39 35:52 36:13 36:25 36:36 36:58 4.8E7



407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6580.0,1.00%,F,T)

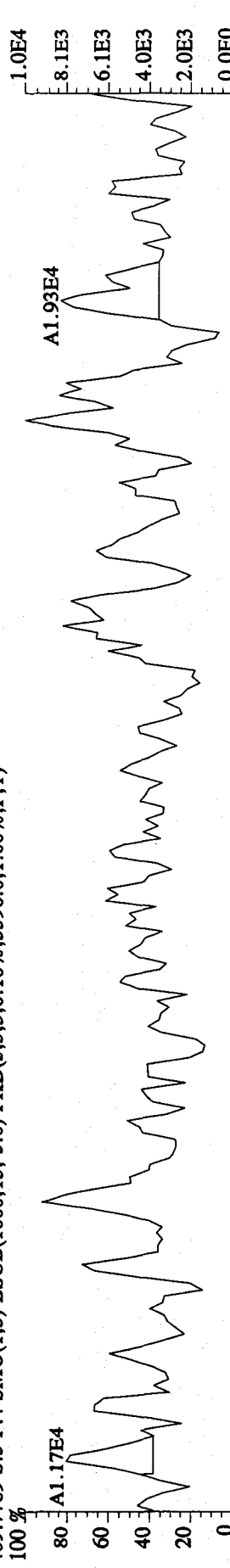
A2.62E4



409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5396.0,1.00%,F,T)

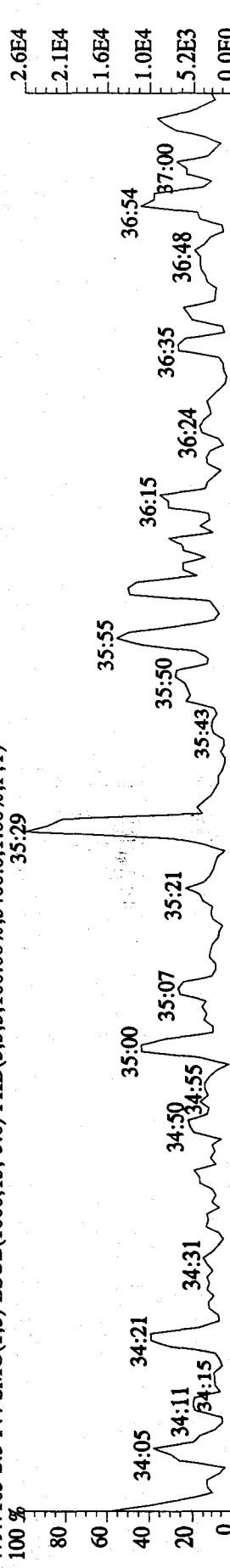
A1.17E4

A1.93E4

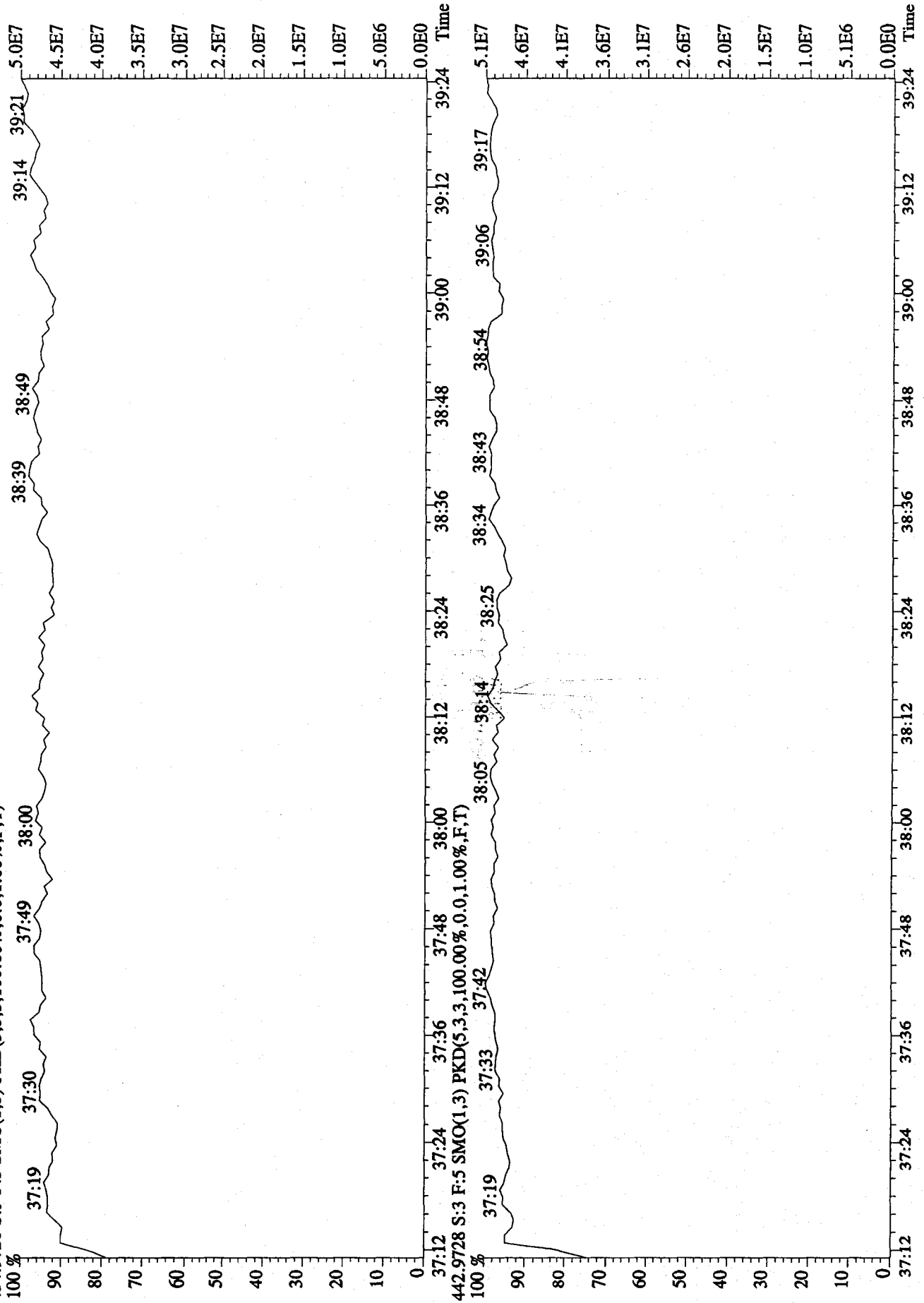


479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3400.0,1.00%,F,T)

35:29



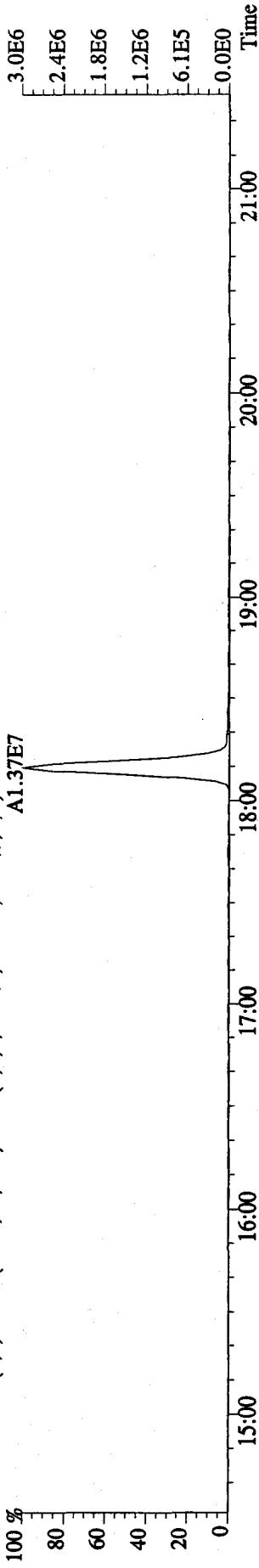
File: 04JA10A1D5 #1-161 Acq: 4-JAN-2010 15:46:23 GC EI+ Voltage SIR 70SE  
 Sample#3 Text: SB0104 :Solvent Blank C-14 Exp: DIOXIN  
 454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



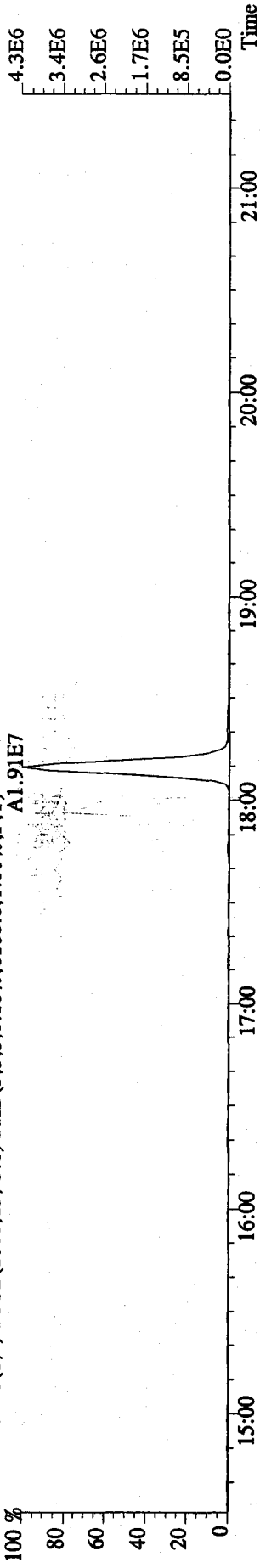
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN

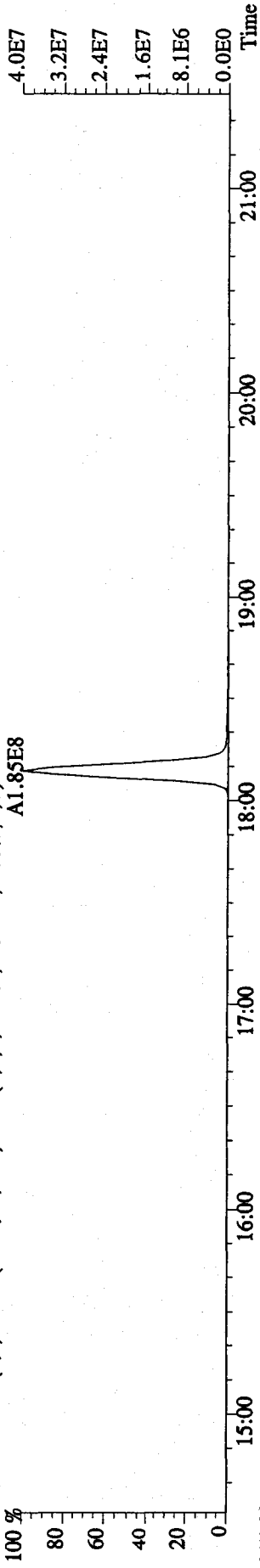
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4520.0,1.00%,F,T)



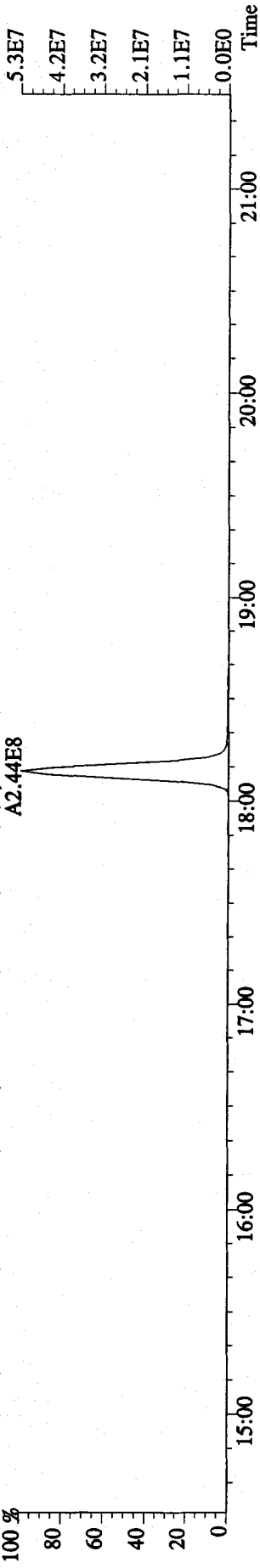
305.8987 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6168.0,1.00%,F,T)



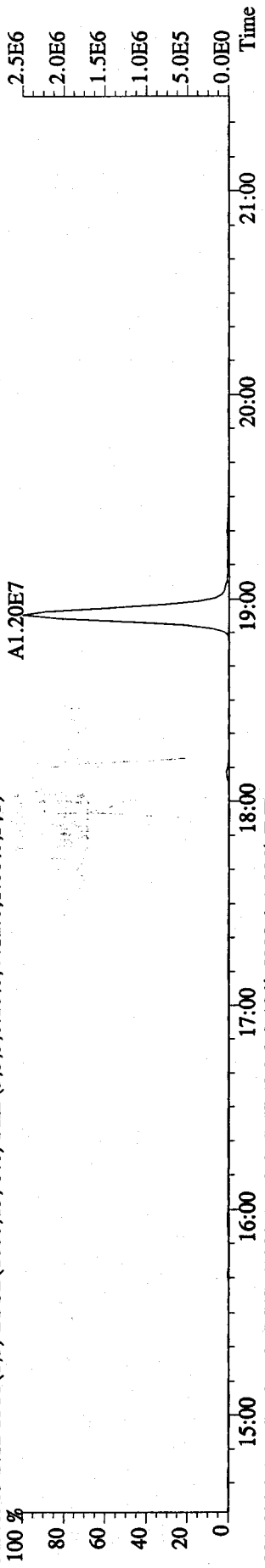
315.9419 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11328.0,1.00%,F,T)



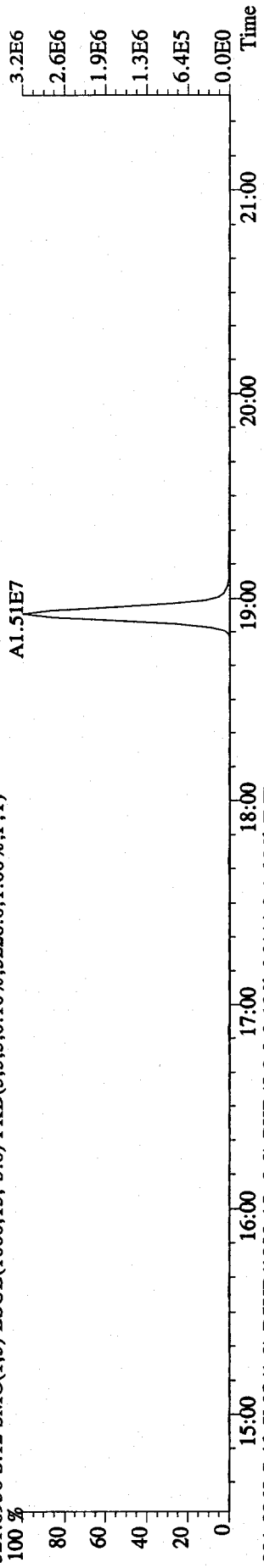
317.9389 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10948.0,1.00%,F,T)



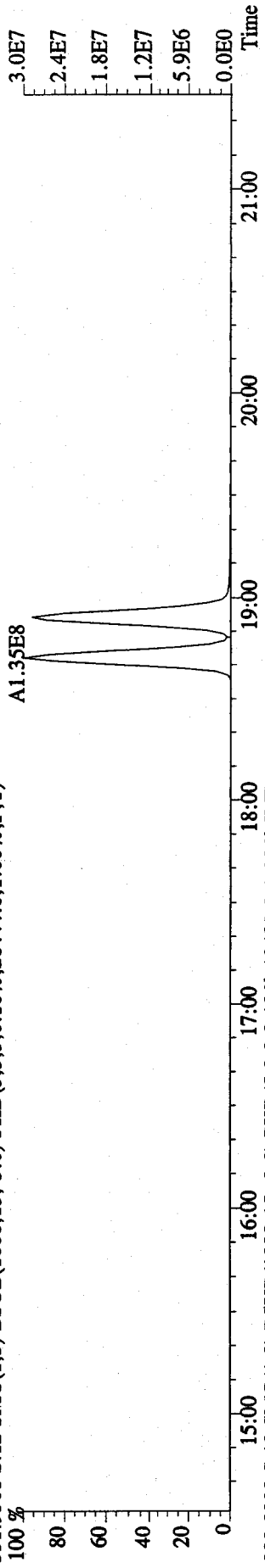
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
 Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
 319.8965 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4412.0,1.00%,F,T)



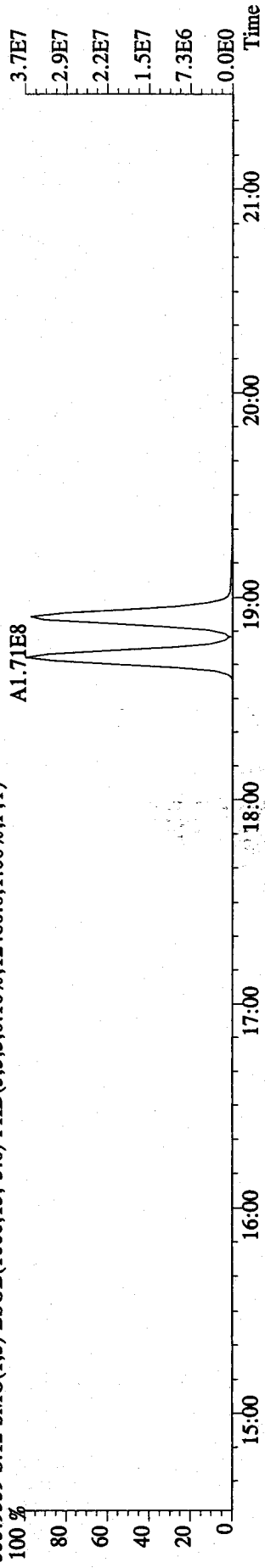
321.8936 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5228.0,1.00%,F,T)



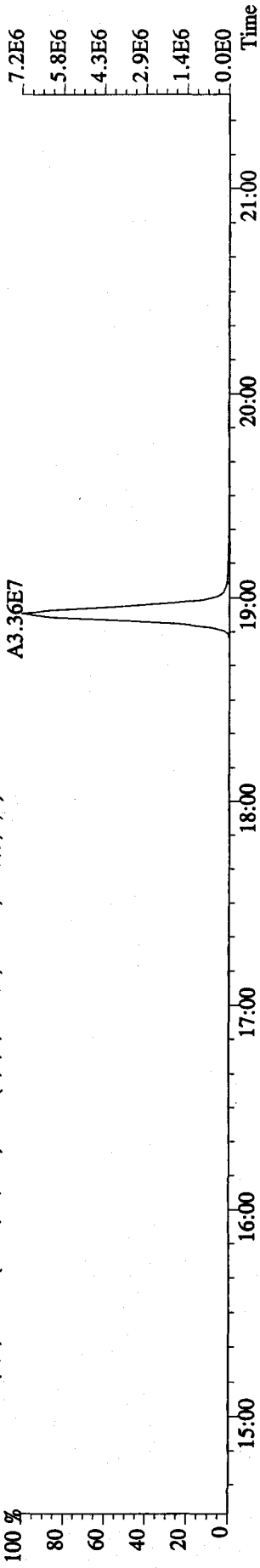
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26444.0,1.00%,F,T)



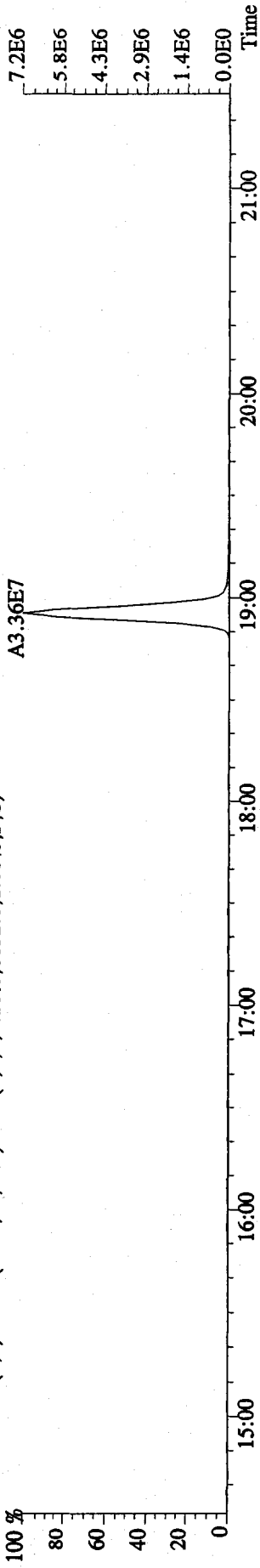
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12480.0,1.00%,F,T)



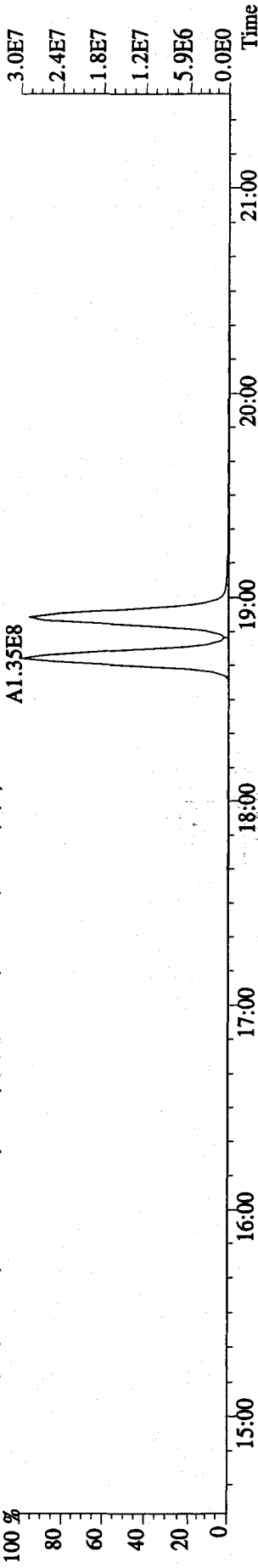
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
327.8847 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6652.0,1.00%,F,T)



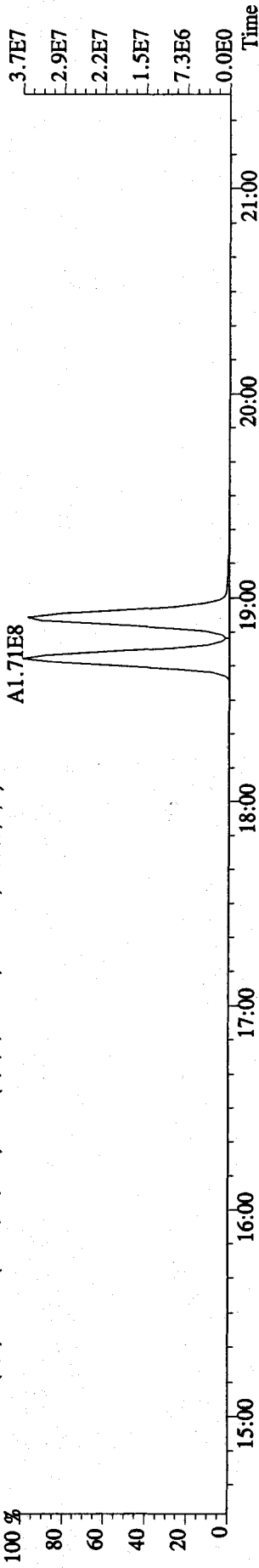
327.8847 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6652.0,1.00%,F,T)



331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26444.0,1.00%,F,T)



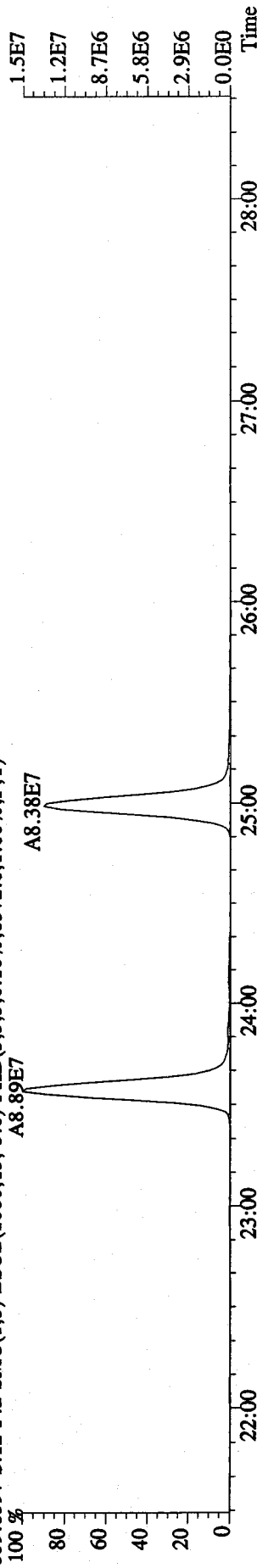
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12480.0,1.00%,F,T)



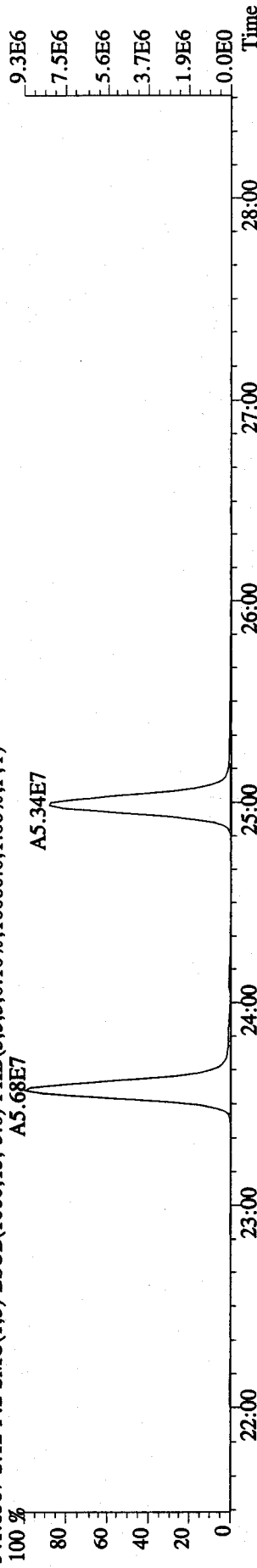


File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

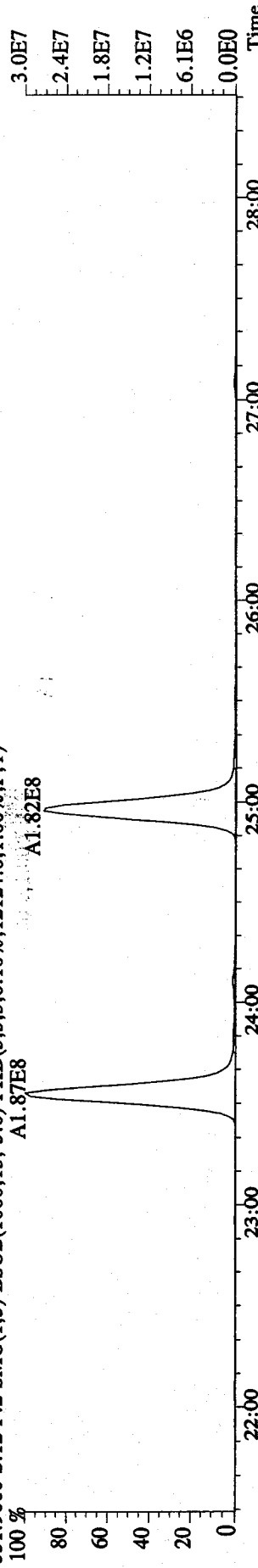
Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
339.8597 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8572.0,1.00%,F,T)  
A8.89E7



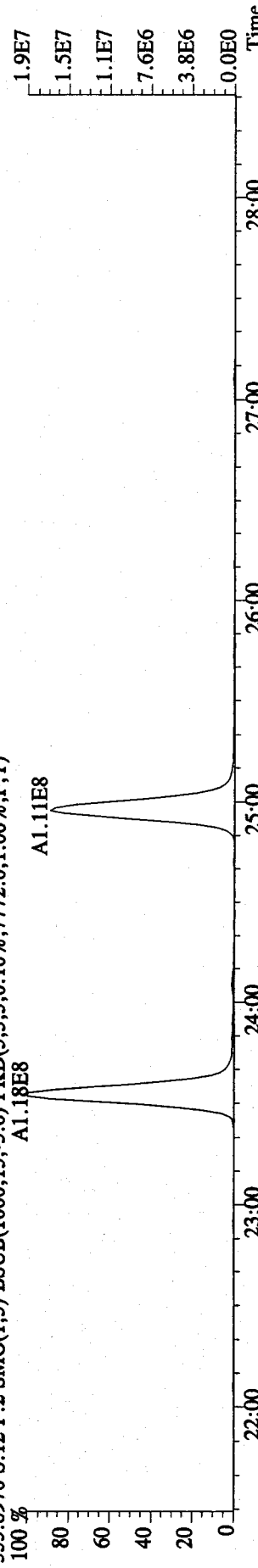
341.8567 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10080.0,1.00%,F,T)  
A5.68E7



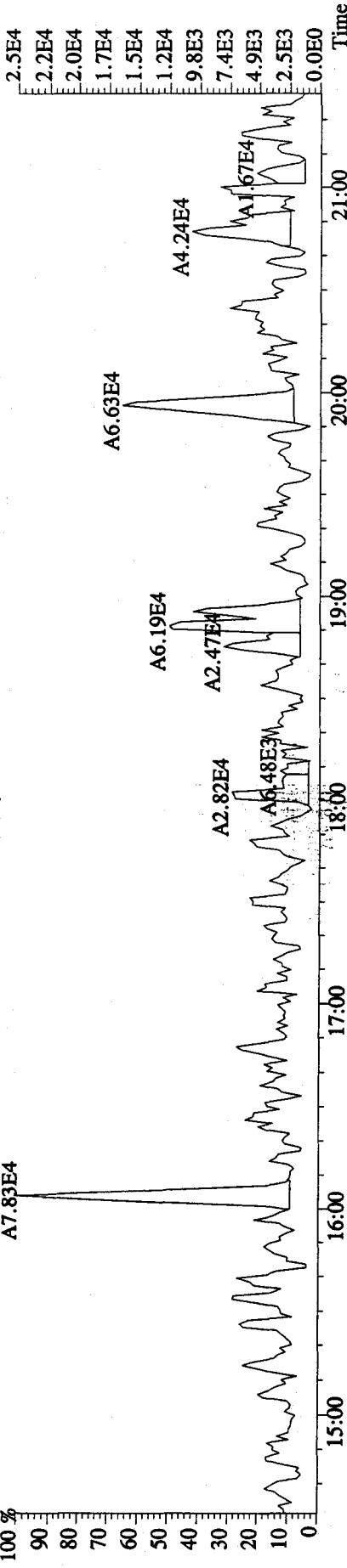
351.9000 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12124.0,1.00%,F,T)  
A1.87E8



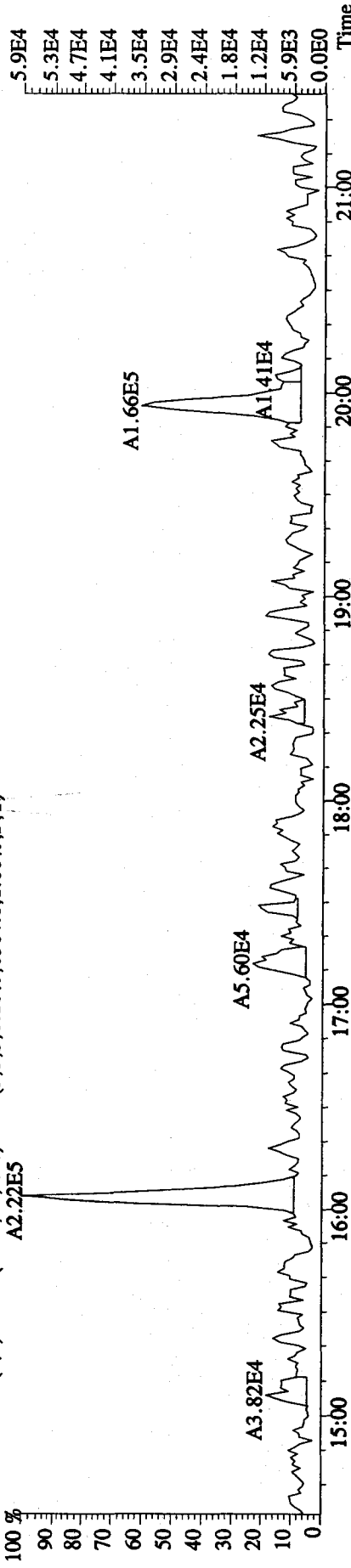
353.8970 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7772.0,1.00%,F,T)  
A1.18E8



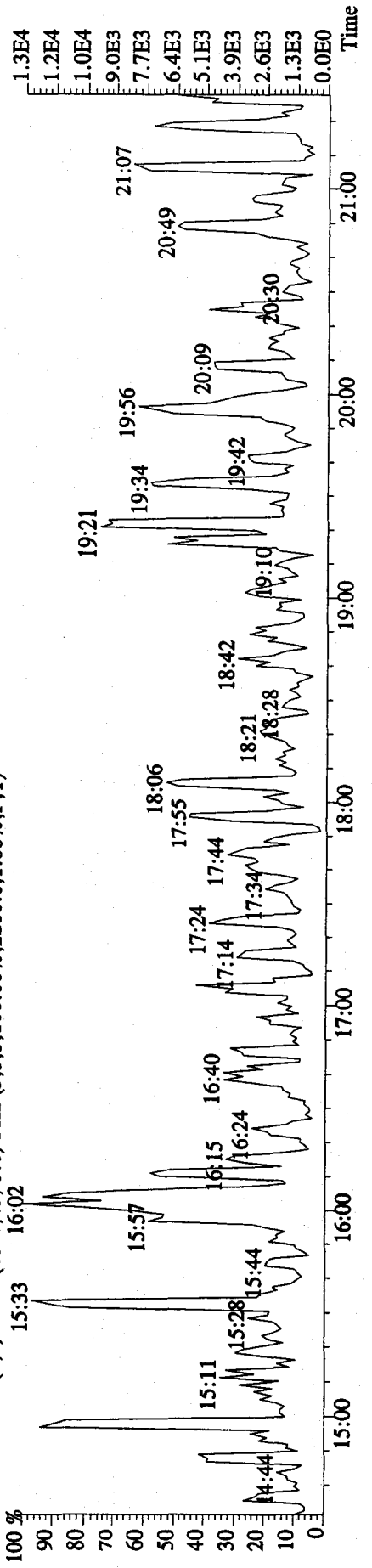
File:04JA10A1D5 #1-411 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
 Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
 339.8597 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3944,0,1,00%,F,T)



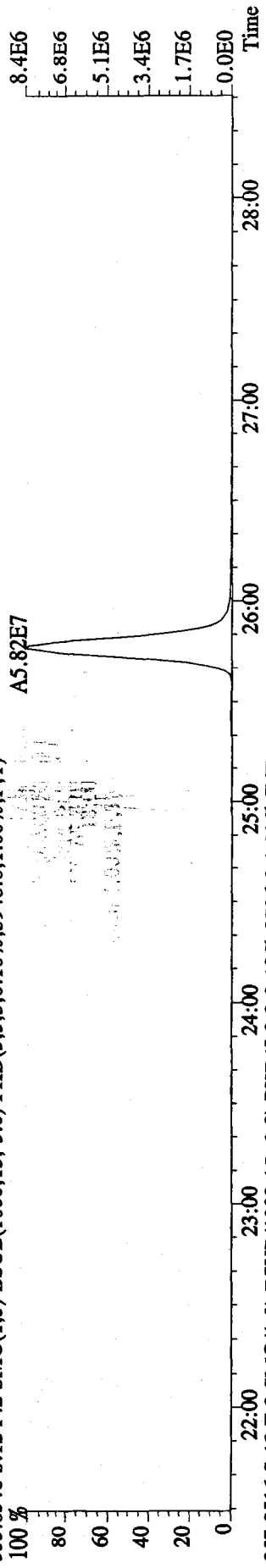
341.8567 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6364,0,1,00%,F,T)



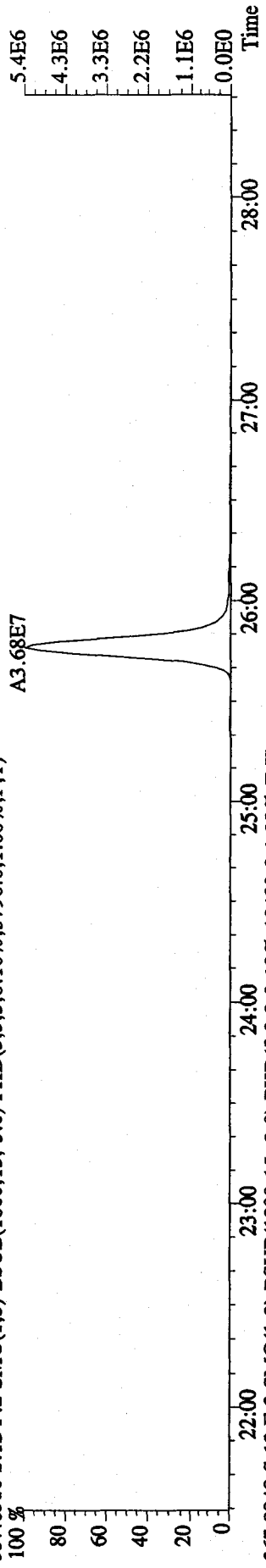
409.7974 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,2280,0,1,00%,F,T)



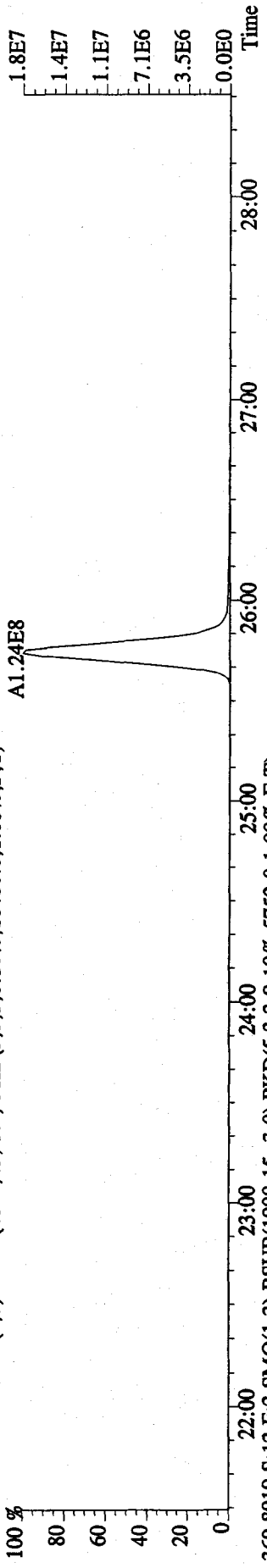
File:04JA10AID5 #1-495 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
 Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
 355.8546 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5948.0,1.00%,F,T)



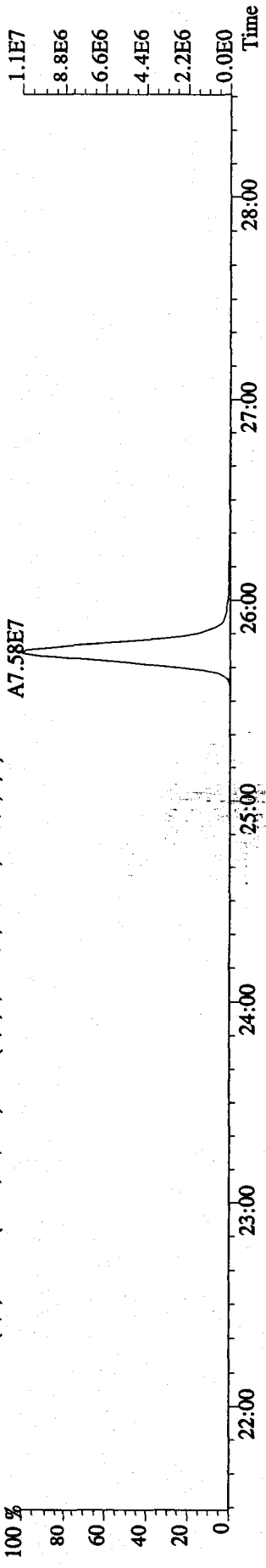
357.8516 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3796.0,1.00%,F,T)



367.8949 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10480.0,1.00%,F,T)



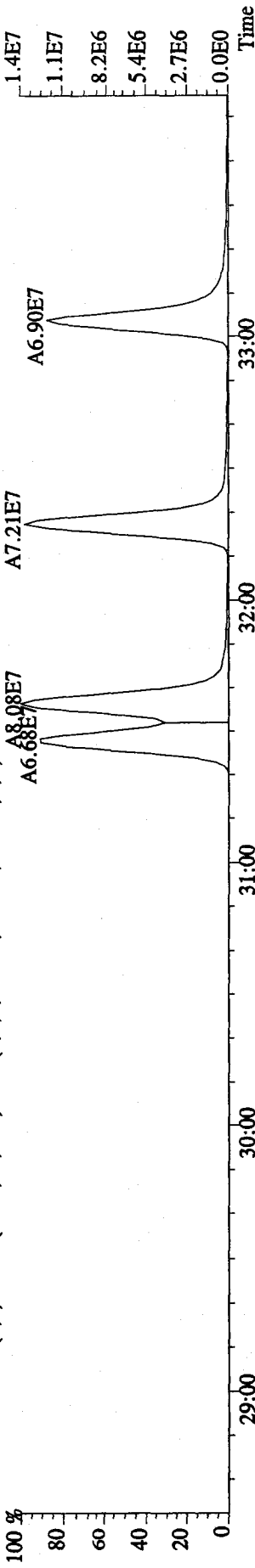
369.8919 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5752.0,1.00%,F,T)



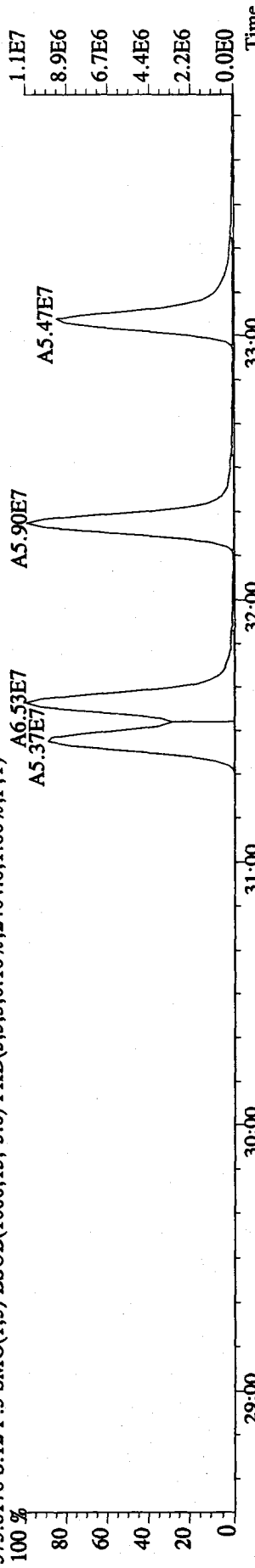
File:04JA10AID5 #1-362 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN

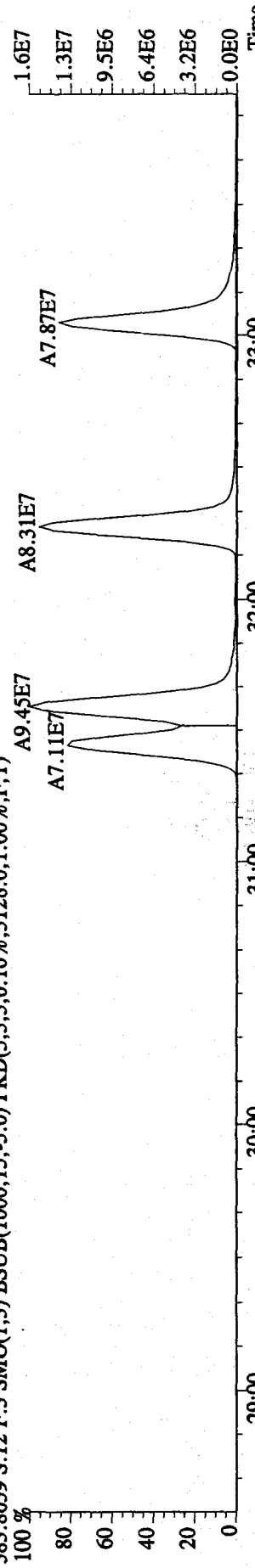
373.8208 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5024.0,1.00%,F,T)



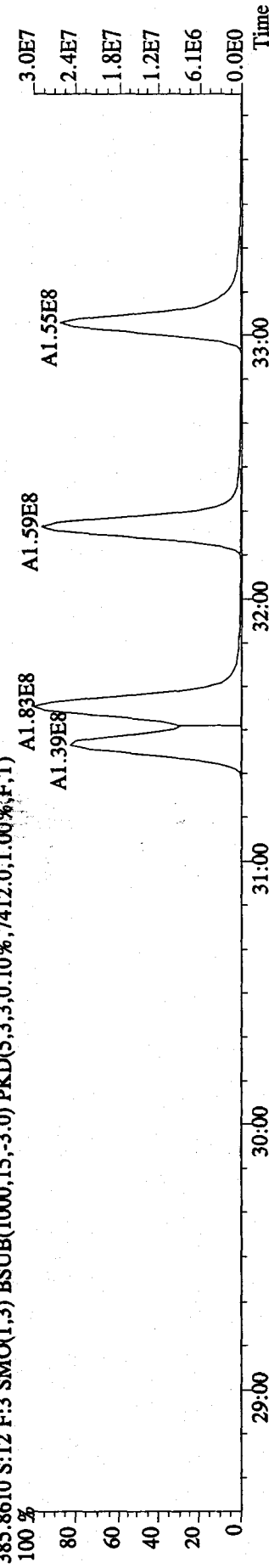
375.8178 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



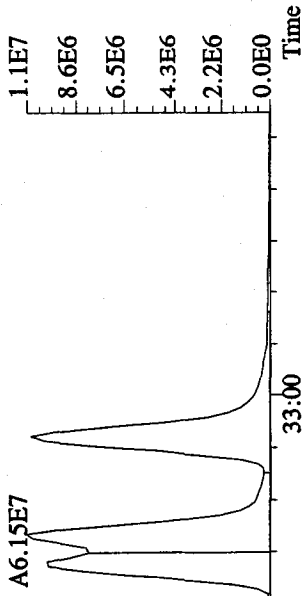
383.8639 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3128.0,1.00%,F,T)



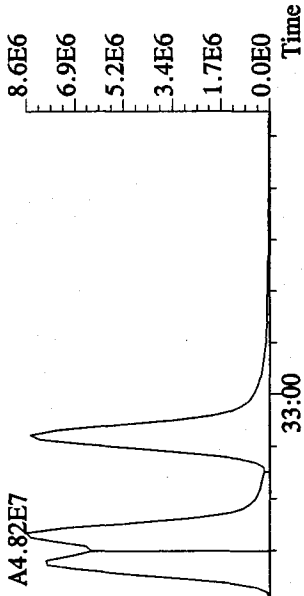
385.8610 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7412.0,1.00%,F,T)



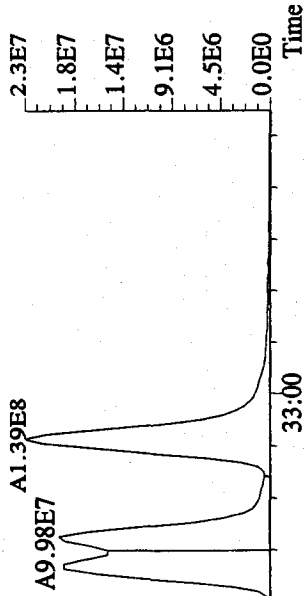
File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
 Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
 389.8157 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2256.0,1.00%,F,T)  
 100 %



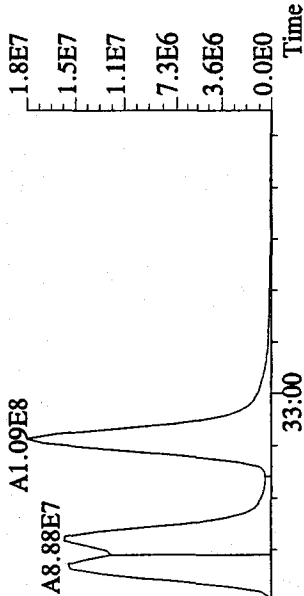
391.8127 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3080.0,1.00%,F,T)  
 100 %



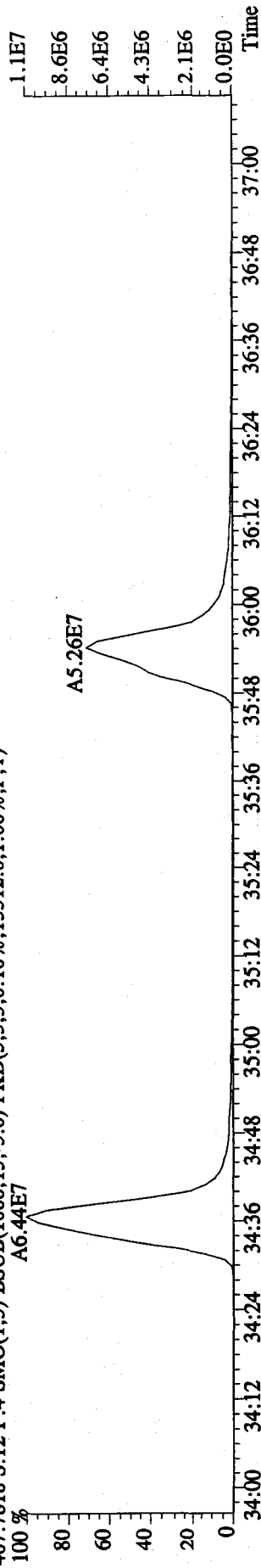
401.8559 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3340.0,1.00%,F,T)  
 100 %



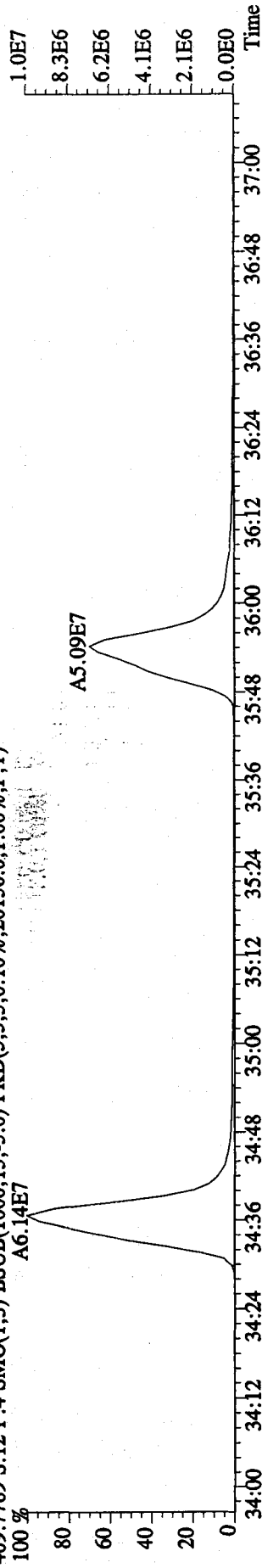
403.8529 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3668.0,1.00%,F,T)  
 100 %



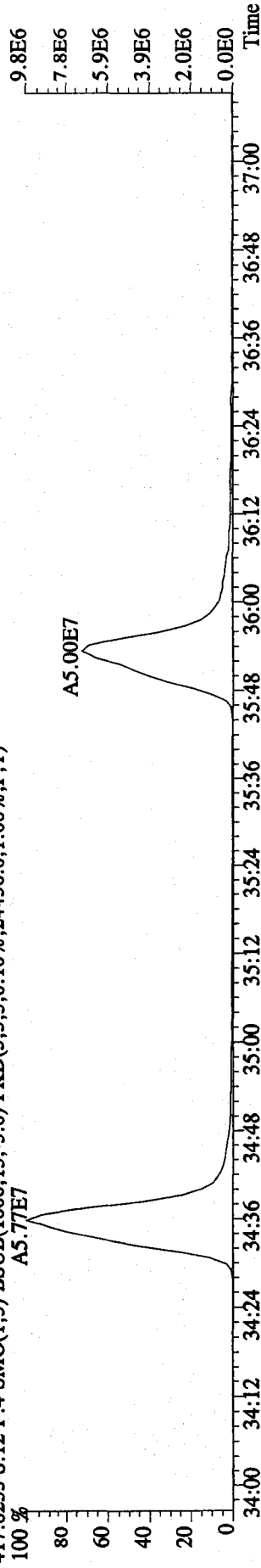
File:041A10A1D5 #1-227 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
 Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
 407.7818 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15512.0,1.00%,F,T)  
 A6.44E7



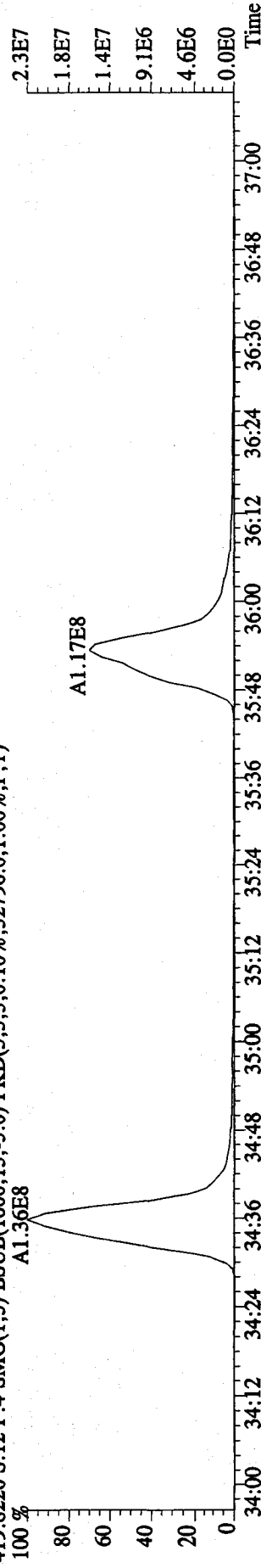
409.7789 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20156.0,1.00%,F,T)  
 A6.14E7



417.8253 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24436.0,1.00%,F,T)  
 A5.77E7



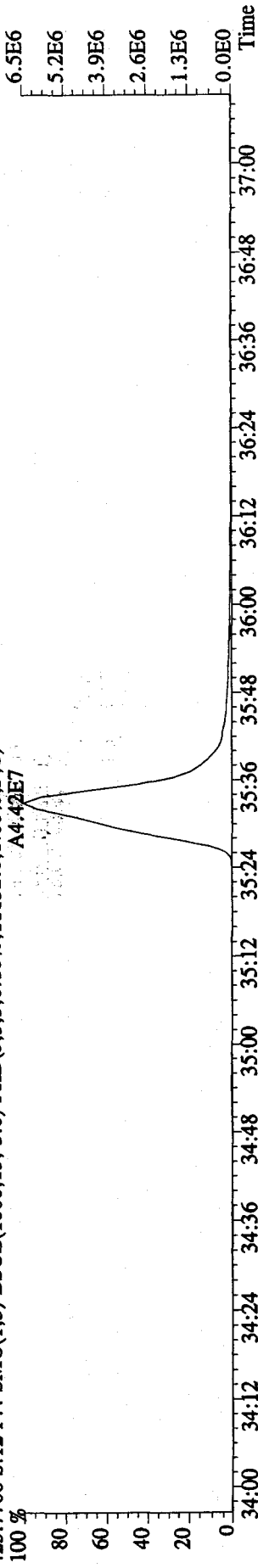
419.8220 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32796.0,1.00%,F,T)  
 A1.36E8



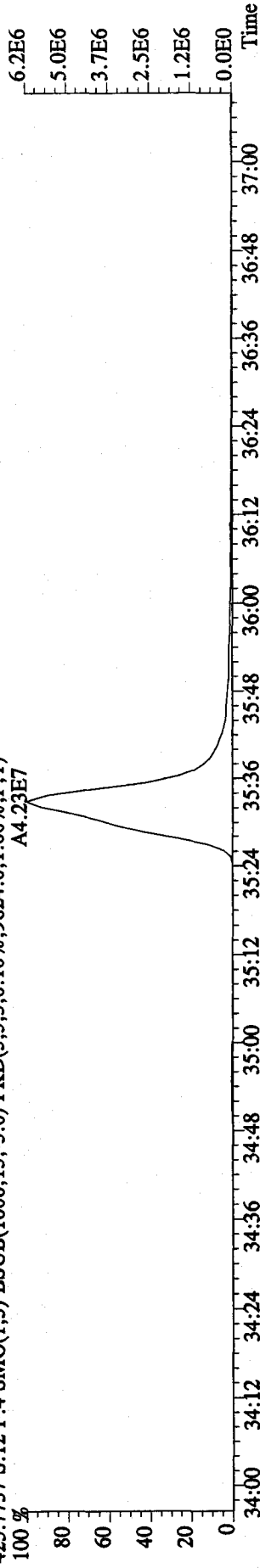
File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN

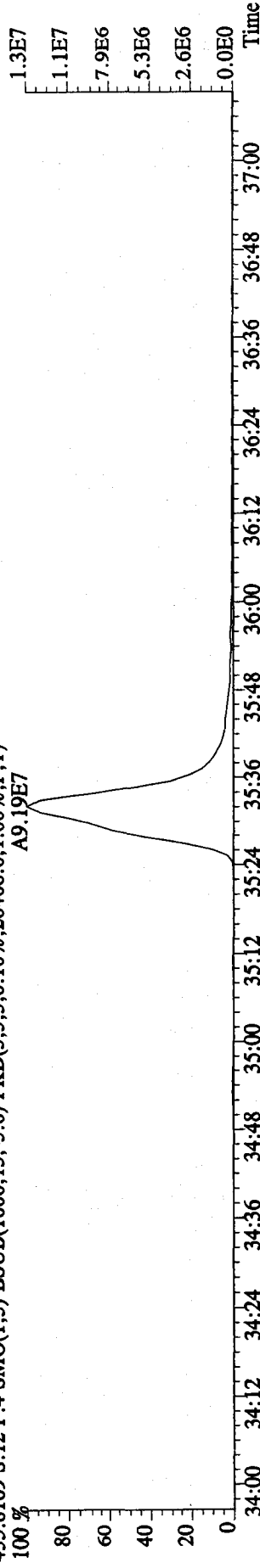
423.7766 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11152.0,1.00%,F,T)  
A4.42E7



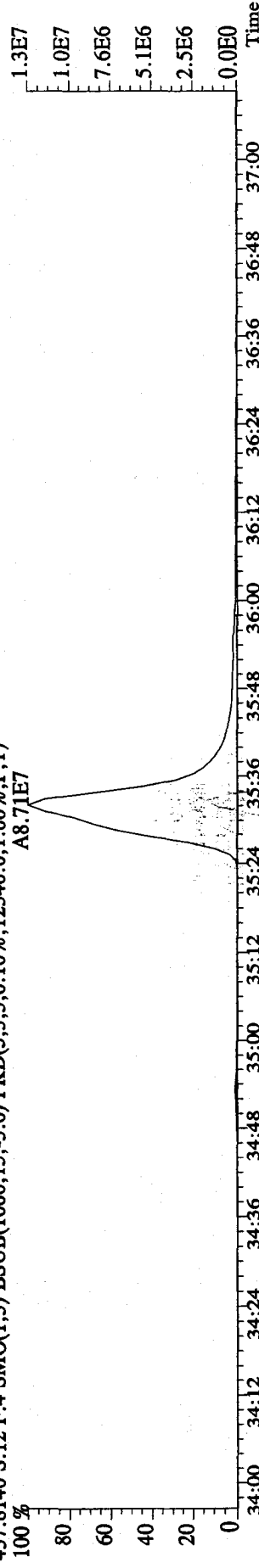
425.7737 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9824.0,1.00%,F,T)  
A4.23E7



435.8169 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,20408.0,1.00%,F,T)  
A9.19E7

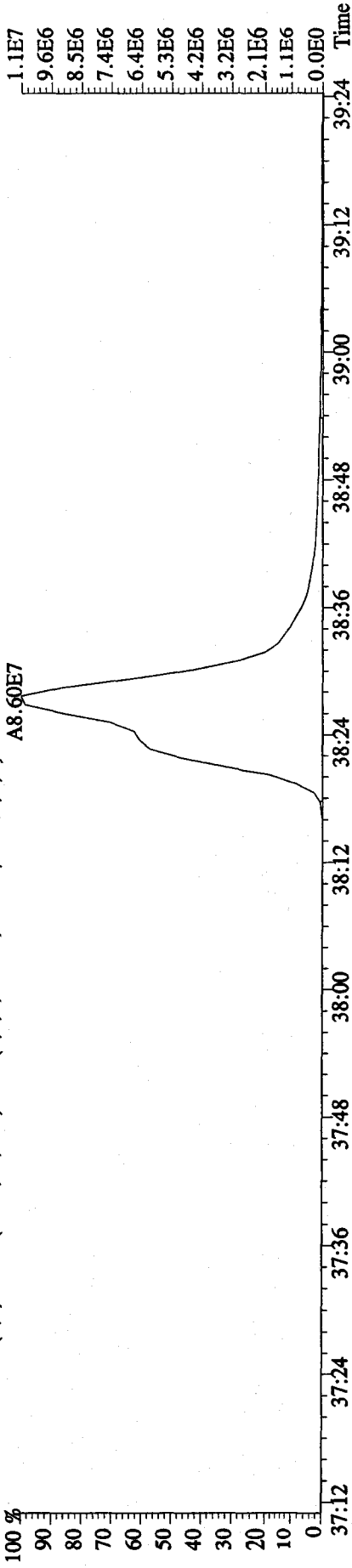


437.8140 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12340.0,1.00%,F,T)  
A8.71E7

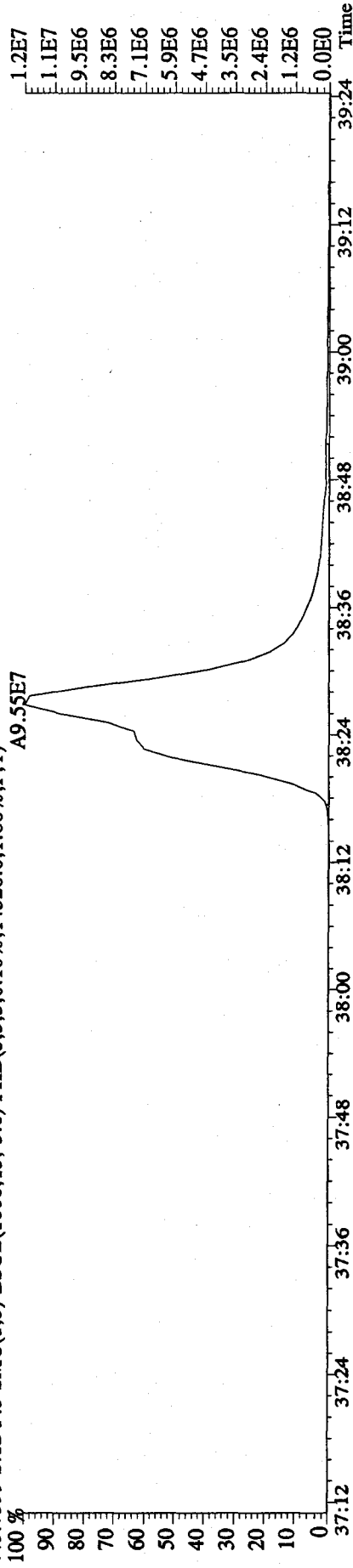


File:04JA10A1D5 #1-161 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

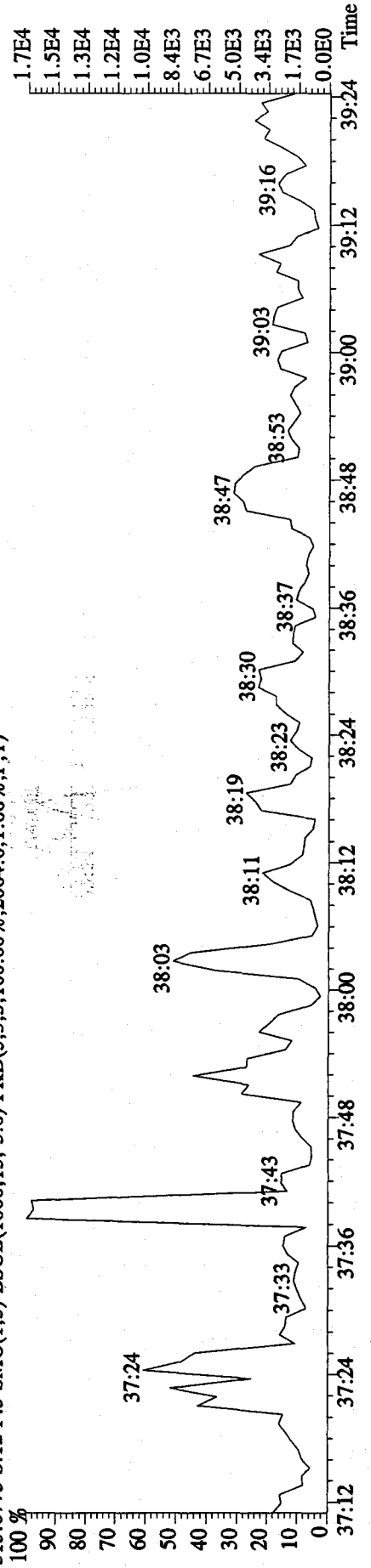
Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN  
441.7428 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T)



443.7999 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14320.0,1.00%,F,T)



513.6775 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2064.0,1.00%,F,T)

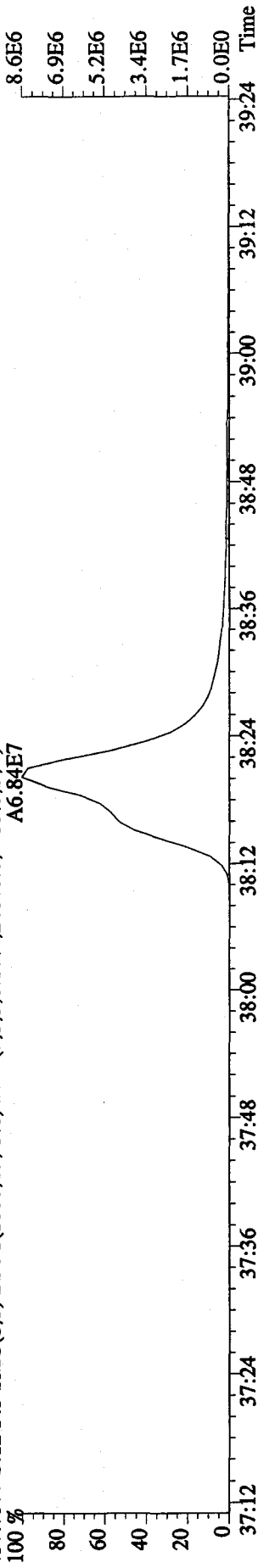




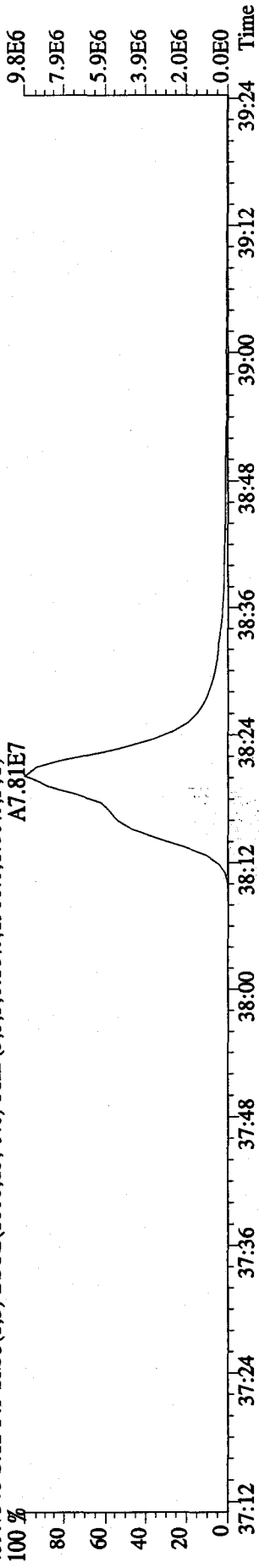
File: 04JA10A1D5 #1-161 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

Sample#12 Text: ST0104A :CS3 09DXN425 Exp: DIOXIN

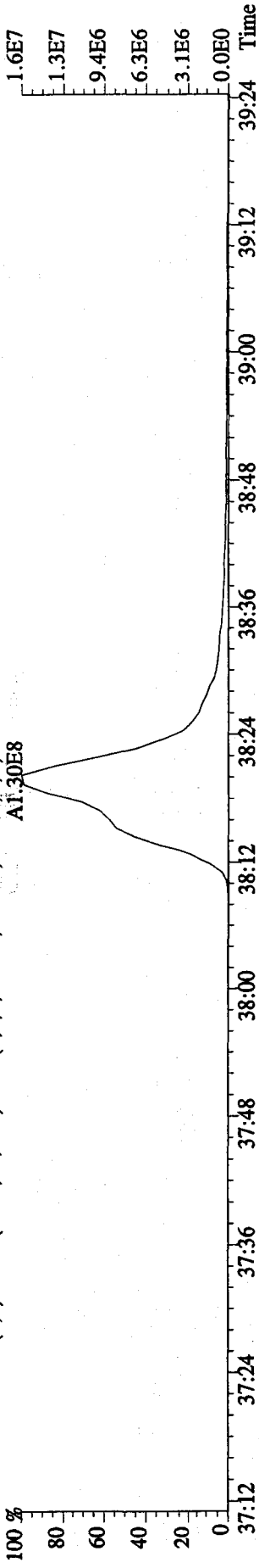
457.7377 S:12 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,24048.0,1.00%,F,T)  
A6.84E7



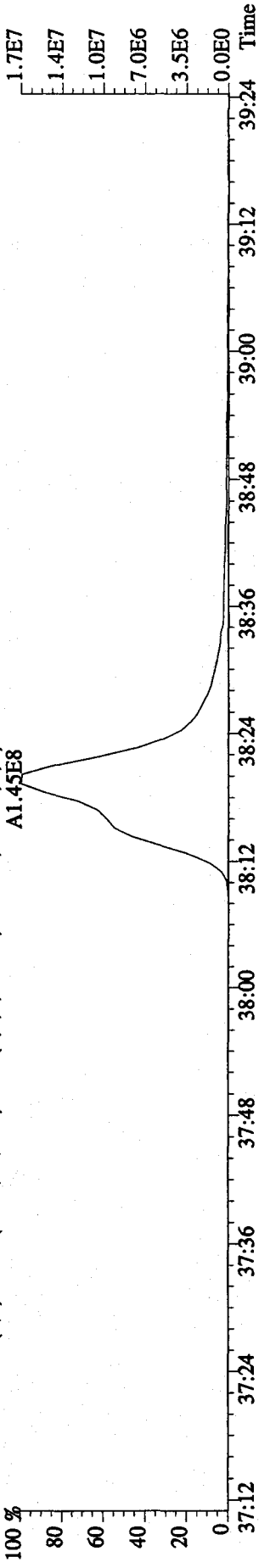
459.7348 S:12 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,1900.0,1.00%,F,T)  
A7.81E7



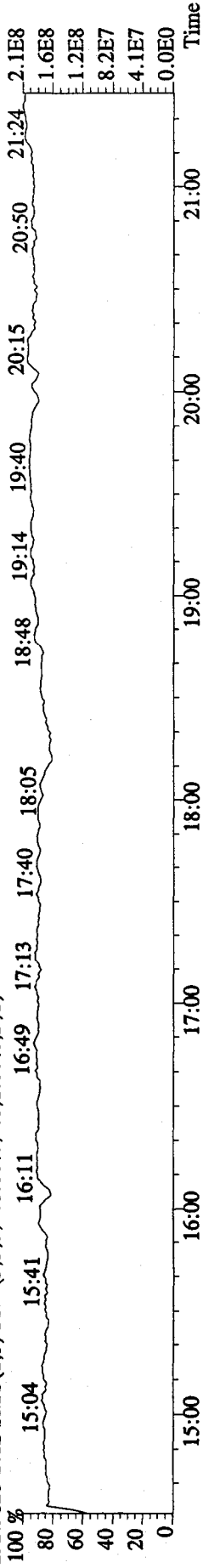
469.7779 S:12 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7572.0,1.00%,F,T)  
A1.30E8



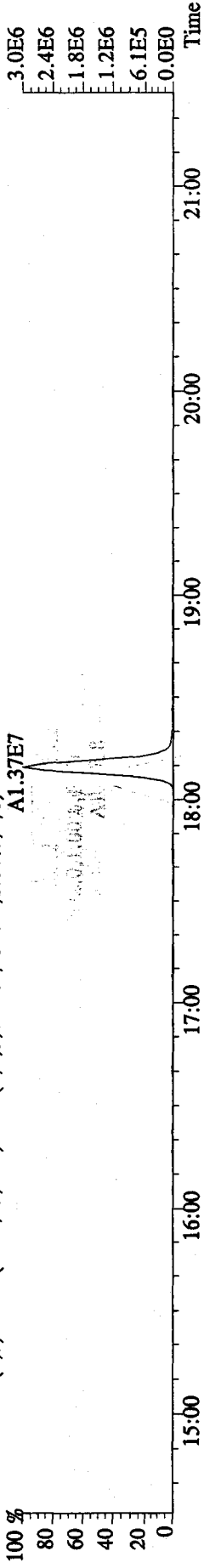
471.7750 S:12 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,28312.0,1.00%,F,T)  
A1.45E8



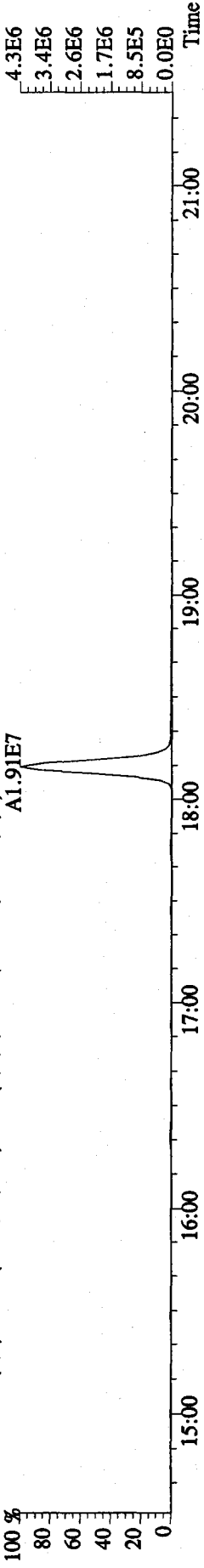
File: 04JA10A1D5 #1-411 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
 Sample#12 Text: ST0104A :CS3 09DXN425 Exp: DIOXIN  
 292.9825 S:12 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



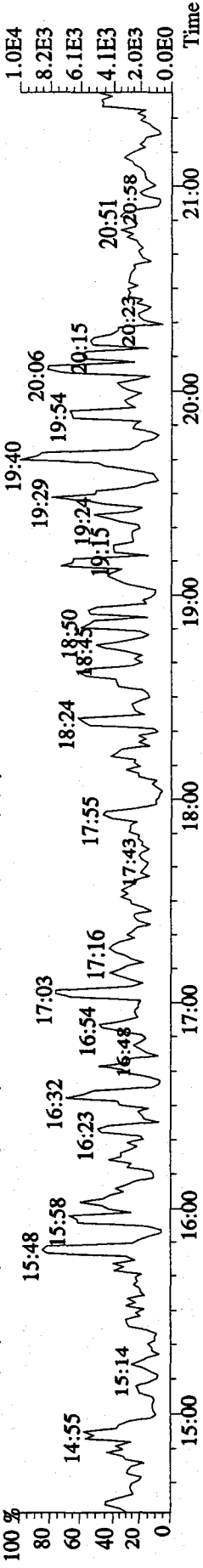
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4520.0,1.00%,F,T)



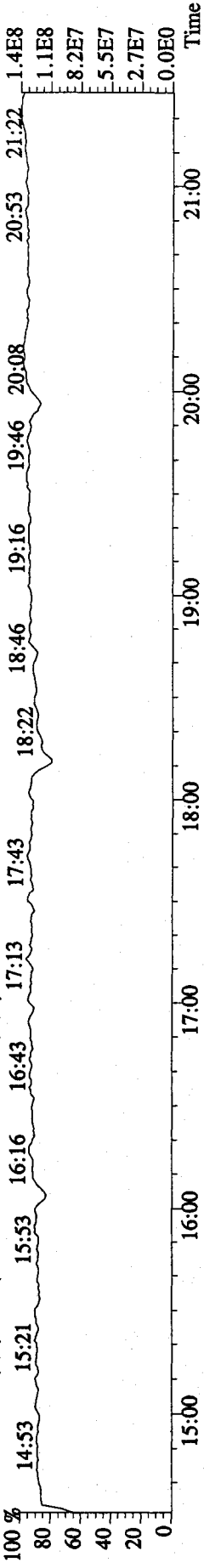
305.8987 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6168.0,1.00%,F,T)



375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2680.0,1.00%,F,T)



330.9792 S:12 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

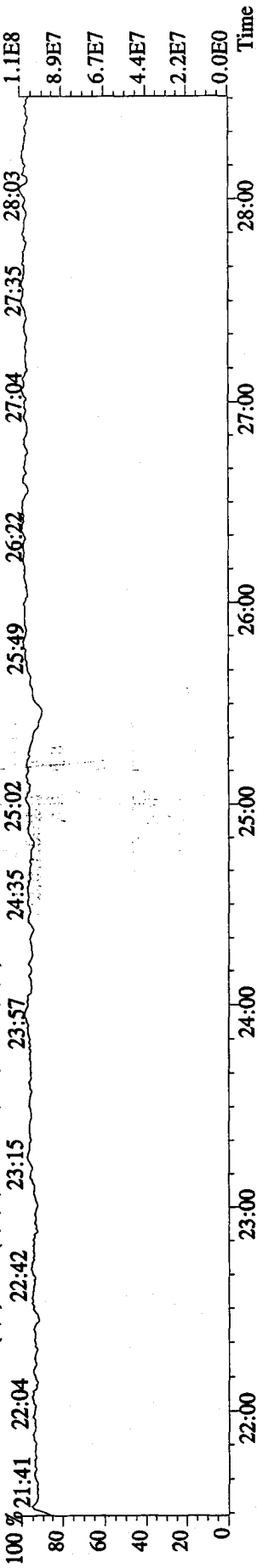


File:04JA10A1D5 #1-495 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

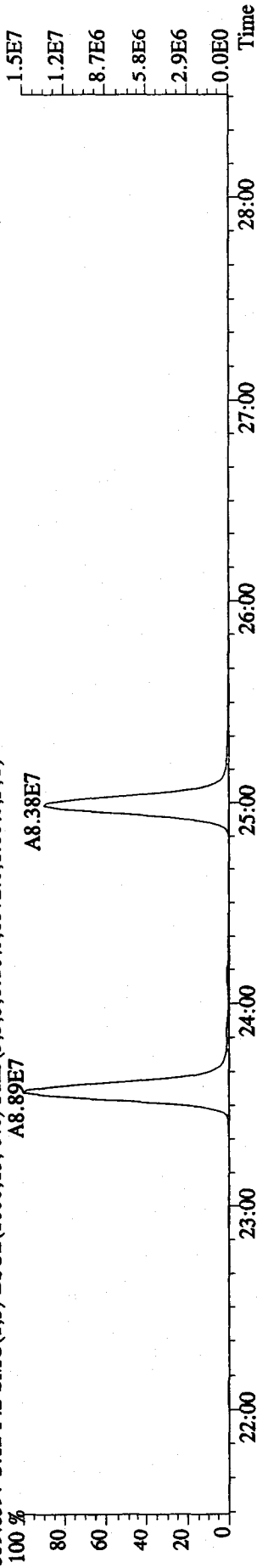
Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN

342.9792 S:12 F:2 SMO(1,3) PKD(5,3,3,0.0,0.1,0.0%,F,T)

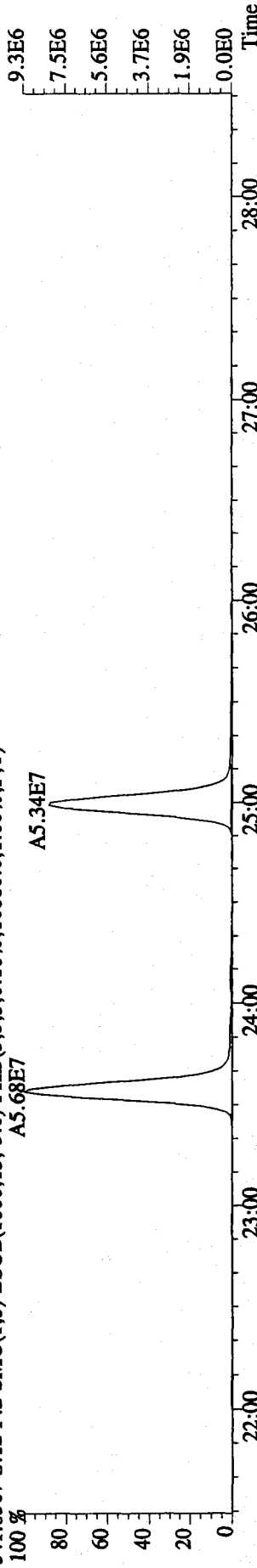
100 % 21:41 22:04 22:42 23:15 23:57 24:35 25:02 25:49 26:22 27:04 27:35 28:03



339.8597 S:12 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8572.0,1.00%,F,T)



341.8567 S:12 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10080.0,1.00%,F,T)



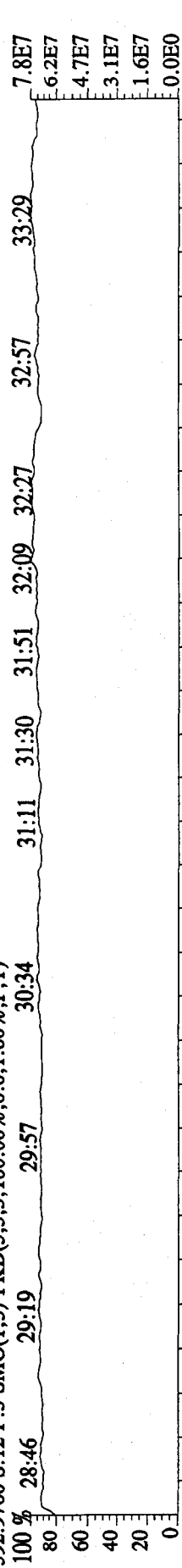
409.7974 S:12 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2108.0,1.00%,F,T)

File:04JA10A1D5 #1-362 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

Sample#12 Text:ST0104A CS3 09DXN425 Exp:DIOXIN

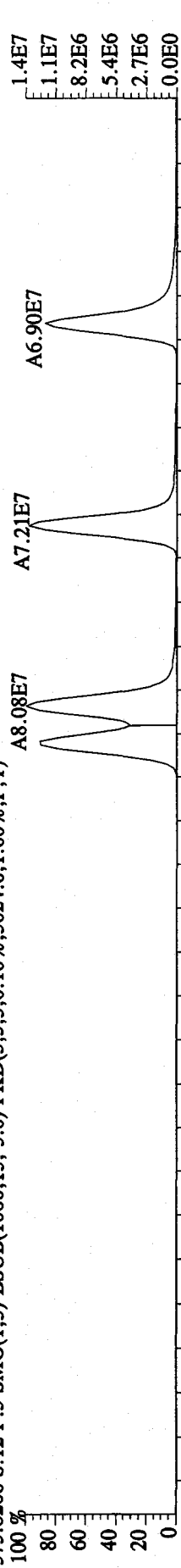
392.9760 S:12 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 28.46 29:19 29:57 30:34 31:11 31:30 31:51 32:09 32:27 32:57 33:29 7.8E7



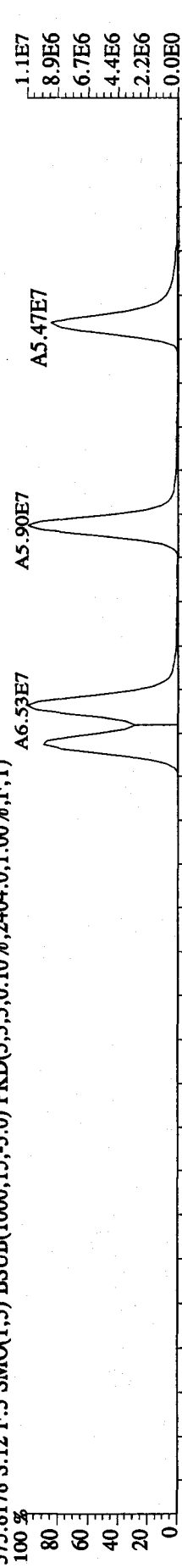
373.8208 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5024.0,1.00%,F,T)

100 % 1.4E7 1.1E7 8.2E6 5.4E6 2.7E6 0.0E0



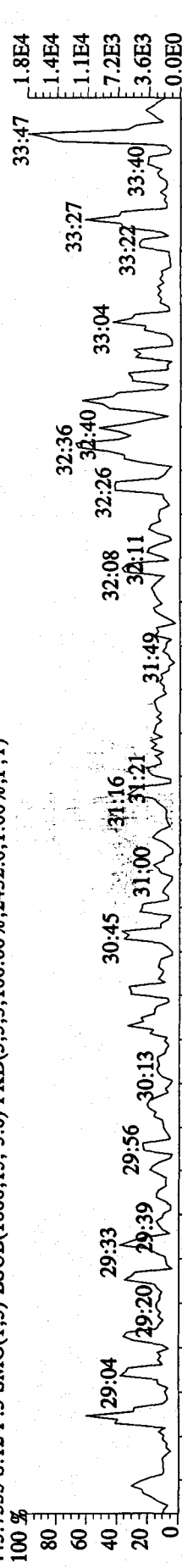
375.8178 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)

100 % 1.1E7 8.9E6 6.7E6 4.4E6 2.2E6 0.0E0



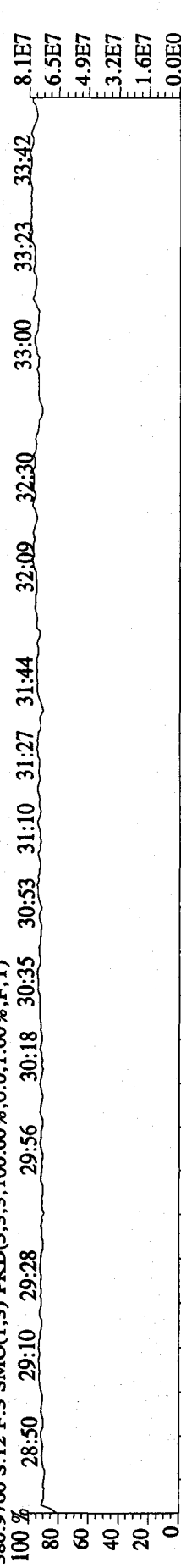
445.7555 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2432.0,1.00%,F,T)

100 % 1.8E4 1.4E4 1.1E4 7.2E3 3.6E3 0.0E0



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

100 % 8.1E7 6.5E7 4.9E7 3.2E7 1.6E7 0.0E0

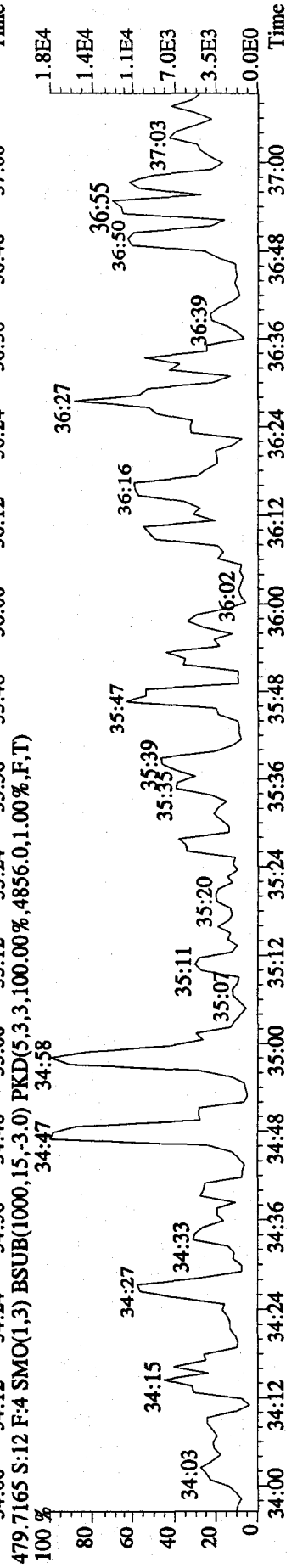
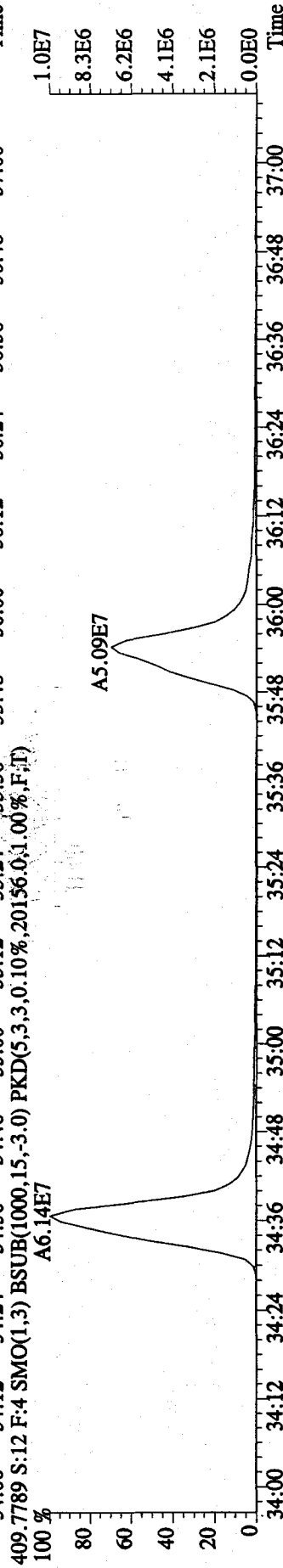
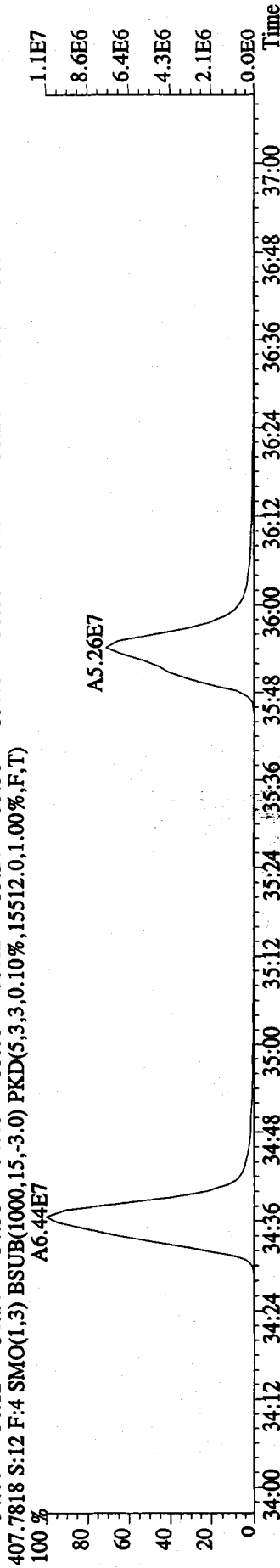
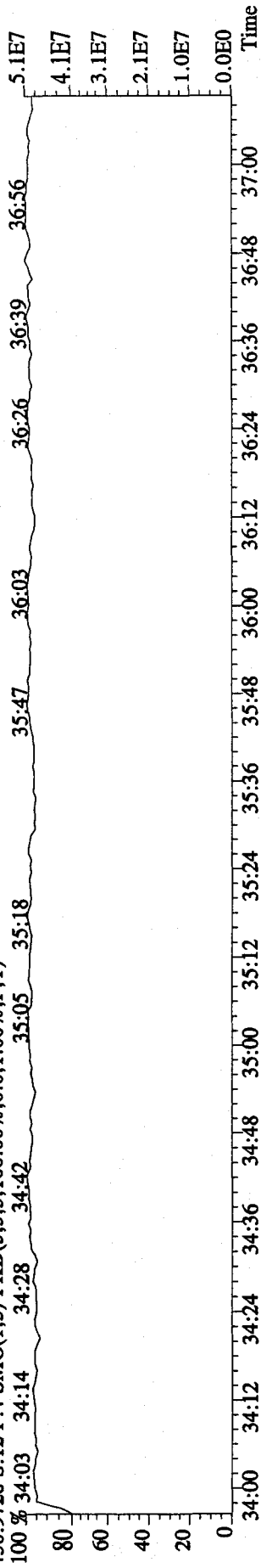


File:04JA10A1D5 #1-227 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE

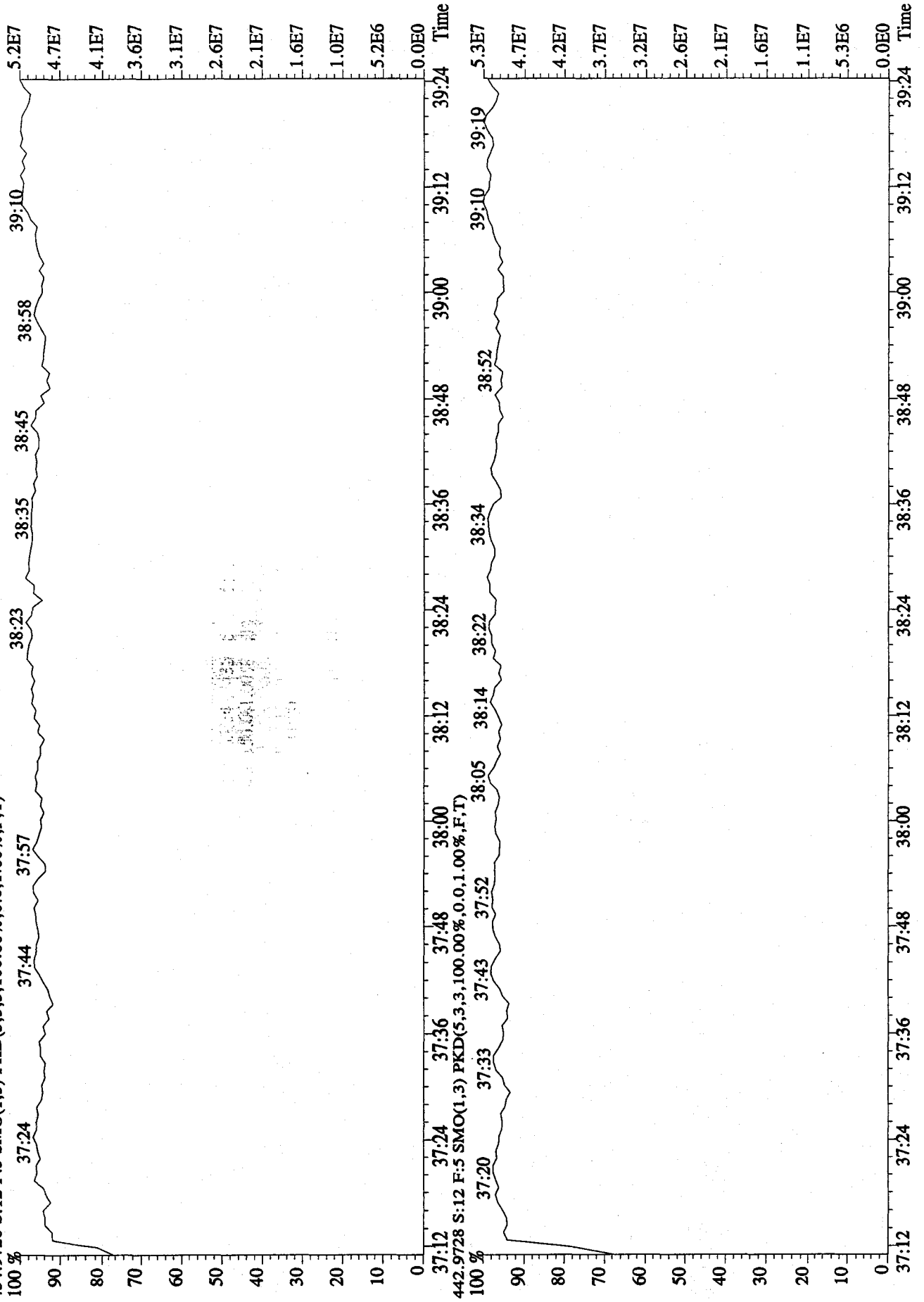
Sample#12 Text:ST0104A :CS3 09DXN425 Exp:DIOXIN

430.9728 S:12 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 34:03 34:14 34:28 34:42 35:05 35:18 35:47 36:03 36:26 36:39 36:56



File: 04JA10A1D5 #1-161 Acq: 4-JAN-2010 22:02:37 GC EI+ Voltage SIR 70SE  
 Sample#12 Text: ST0104A :CS3 09DXN425 Exp: DIOXIN  
 454.9728 S:12 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Method ID 8290

Associated ICAL ICA123120093D58290

Column ID DB5

Instrument ID 3D5

STD ID ST0104A, ST0104B

STD Solution 09DXN425

Analyzed by JRB

Date Analyzed 01/04/10, 01/04/10

Std. Pkg. By JRB

Date Std. Pkg. Assembled 01/05/10

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 01/05/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ 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.

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45

Calibration: C:\MassLynx\Default.PRO\CurveDB\CA123120093D58290.cdb 31 Dec 2009 13:37:23

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

#	Name	Response	RT	Prod RT	RRF M	RRF	Conc	%Dev	%Rec	Mod ID	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	728495	18.57	18.57	1.00000	1.00000	100.00	0.0	100.0		0.771	NO
2												
3	13C-2,3,7,8-TCDF	1081215	18.01	17.98	1.55387	1.48418	95.51	-4.5	95.5		0.776	NO
4	2,3,7,8-TCDF	98882	18.03	18.03	1.00894	0.91455	9.06	-9.4	90.6		0.743	NO
5	Total TCDFs			21.44	1.00894		9.06					
6												
7	13C-2,3,7,8-TCDD	697697	18.77	18.77	0.93654	0.95772	102.26	2.3	102.3		0.720	NO
8	2,3,7,8-TCDD	75517	18.78	18.79	1.13162	1.08237	9.56	-4.4	95.6		0.769	NO
9	Total TCDDs			19.55	1.13162		9.56					
10												
11	37CL-2,3,7,8-TCDD	82570	18.78	18.79	1.13700	1.13343	9.97	-0.3	99.7			
12												
13	13C-1,2,3,7,8-PeCDF	775130	23.39	23.37	1.21534	1.06402	87.55	-12.5	87.5		1.669	NO
14	1,2,3,7,8-PeCDF	398025	23.41	23.41	1.03079	1.02699	49.82	-0.4	99.6		1.562	NO
15	2,3,4,7,8-PeCDF	363643	24.83	24.82	0.96399	0.93828	48.67	-2.7	97.3		1.549	NO
16	Total F2 PeCDFs			34.47	0.99739		98.48					
17	Total F1 PeCDFs			36.56	0.99739		0.02					
18												
19	13C-1,2,3,7,8-PeCDD	525055	25.59	25.55	0.74736	0.72074	96.44	-3.6	96.4		1.601	NO
20	1,2,3,7,8-PeCDD	262881	25.61	25.61	1.05672	1.00135	47.38	-5.2	94.8		1.571	NO
21	Total PeCDDs			31.10	1.05672		47.38					
22												
23	13C-1,2,3,7,8,9-HxCDD	604479	32.63	32.61	1.00000	1.00000	100.00	0.0	100.0		1.271	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	547049	31.29	31.29	0.91641	0.90499	98.75	-1.2	98.8		0.508	NO
26	1,2,3,4,7,8-HxCDF	331994	31.32	31.30	1.24280	1.21376	48.83	-2.3	97.7		1.258	NO
27	1,2,3,6,7,8-HxCDF	421288	31.45	31.43	1.49624	1.54022	51.47	2.9	102.9		1.185	NO
28	2,3,4,6,7,8-HxCDF	371230	32.10	32.10	1.31114	1.35721	51.76	3.5	103.5		1.235	NO
29	1,2,3,7,8,9-HxCDF	339244	32.83	32.84	1.29097	1.24027	48.04	-3.9	96.1		1.236	NO
30	Total HxCDFs			0.00	1.33529		200.09					
31												
32	13C-1,2,3,6,7,8-HxCDD	554190	32.34	32.35	0.80919	0.91680	113.30	13.3	113.3		1.281	NO
33	1,2,3,4,7,8-HxCDD	240687	32.26	32.25	0.93261	0.86861	46.57	-6.9	93.1		1.242	NO
34	1,2,3,6,7,8-HxCDD	308144	32.36	32.35	1.18024	1.11205	47.11	-5.8	94.2		1.270	NO
35	1,2,3,7,8,9-HxCDD	315674	32.65	32.63	1.28282	1.13923	44.40	-11.2	88.8		1.266	NO
36	Total HxCDDs			0.00	1.13189		138.08					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	527264	34.19	34.18	0.81080	0.87226	107.58	7.6	107.6		0.442	NO
39	1,2,3,4,6,7,8-HpCDF	348902	34.19	34.20	1.36387	1.32344	48.52	-3.0	97.0		1.049	NO
40	1,2,3,4,7,8,9-HpCDF	291099	35.31	35.32	1.11483	1.10419	49.52	-1.0	99.0		1.039	NO
41	Total HpCDFs			0.00	1.23935		99.16					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	507906	34.99	34.99	0.70743	0.84024	118.77	18.8	118.8		1.037	NO
44	1,2,3,4,6,7,8-HpCDD	243877	35.00	34.99	1.04312	0.96032	46.03	-7.9	92.1		0.996	NO
45	Total HpCDDs			0.02	1.04312		46.03					



Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

#	Name	Response	RT	Pred. RT	RRF M	RRF	Conc.	%Dev.	%Rec.	Mod. D	Ratio	Ratio Flag
47	13C-OCDD	756862	37.45	37.44	0.51880	0.62604	241.35	20.7	120.7		0.928	NO
48	OCDF	488558	37.57	37.57	1.40213	1.29101	92.08	-7.9	92.1		0.888	NO
49	OCDD	441443	37.46	37.46	1.19691	1.16651	97.46	-2.5	97.5		0.891	NO
50												
51												
52	Function 1 PFK	14167	14.28	14.26		14167....						
53	Function 2 PFK			22.48	16743....							
54	Function 3 PFK			29.28	7909.2...							
55	Function 4 PFK			34.81	14980....							
56	Function 5 PFK	1430	39.36	39.31	3947.9...	1430.4...	0.36	-63.8	36.2			
57	TCDF PCDPE			15.01	30.012...							
58	F1 PeCDF PCDPE	23	18.65	18.68	45.972...	22.818...	0.50	-50.4	49.6			
59	F2 PeCDF PCDPE	19	22.06	22.10	17.774...	19.453...	1.09	9.4	109.4			
60	HXCDF PCDPE	116	32.97	33.02	18.611...	115.93...	6.23	522.9	622.9			
61	HPCDF PCDPE	94	35.31	35.33	75.501...	94.181...	1.25	24.7	124.7			
62	OCDF PCDPE	28	37.60	37.54	85.061...	28.213...	0.33	-66.8	33.2			

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 15:48:51 Pacific Standard Time

Printed: Tuesday, January 05, 2010 15:49:18 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	Mod D	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	654929	18.57	18.59	1.00000	1.00000	100.00	0.0	100.0		0.804	NO
2												
3	13C-2,3,7,8-TCDF	1023762	18.03	17.98	1.55387	1.56316	100.60	0.6	100.6		0.823	NO
4	2,3,7,8-TCDF	94259	18.04	18.04	1.00894	0.92071	9.13	-8.7	91.3		0.739	NO
5	Total TCDFs			21.44	1.00894		9.13					
6												
7	13C-2,3,7,8-TCDD	653270	18.78	18.77	0.93654	0.99747	106.51	6.5	106.5		0.784	NO
8	2,3,7,8-TCDD	67033	18.80	18.79	1.13162	1.02611	9.07	-9.3	90.7		0.815	NO
9	Total TCDDs			19.55	1.13162		9.07					
10												
11	37CL-2,3,7,8-TCDD	72228	18.80	18.79	1.13700	1.10284	9.70	-3.0	97.0			
12												
13	13C-1,2,3,7,8-PeCDF	709271	23.40	23.37	1.21534	1.08297	89.11	-10.9	89.1		1.601	NO
14	1,2,3,7,8-PeCDF	354074	23.42	23.42	1.03079	0.99842	48.43	-3.1	96.9		1.571	NO
15	2,3,4,7,8-PeCDF	337007	24.84	24.83	0.96399	0.95029	49.29	-1.4	98.6		1.588	NO
16	Total F2 PeCDFs			34.47	0.99739		97.72					
17	Total F1 PeCDFs			36.56	0.99739		0.09					
18												
19	13C-1,2,3,7,8-PeCDD	465871	25.59	25.55	0.74736	0.71133	95.18	-4.8	95.2		1.587	NO
20	1,2,3,7,8-PeCDD	237505	25.61	25.61	1.05672	1.01962	48.24	-3.5	96.5		1.576	NO
21	Total PeCDDs			31.10	1.05672		48.24					
22												
23	13C-1,2,3,7,8,9-HxCDD	549194	32.65	32.61	1.00000	1.00000	100.00	0.0	100.0	05-Jan...	1.318	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	478772	31.30	31.31	0.91641	0.87177	95.13	-4.9	95.1		0.499	NO
26	1,2,3,4,7,8-HxCDF	288115	31.32	31.31	1.24280	1.20356	48.42	-3.2	96.8		1.258	NO
27	1,2,3,6,7,8-HxCDF	358773	31.46	31.45	1.49624	1.49872	50.08	0.2	100.2		1.263	NO
28	2,3,4,6,7,8-HxCDF	313216	32.12	32.11	1.31114	1.30842	49.90	-0.2	99.8		1.274	NO
29	1,2,3,7,8,9-HxCDF	312548	32.83	32.85	1.29097	1.30562	50.57	1.1	101.1		1.293	NO
30	Total HxCDFs			0.00	1.33529		198.97					
31												
32	13C-1,2,3,6,7,8-HxCDD	470234	32.35	32.37	0.80919	0.85622	105.81	5.8	105.8		1.372	NO
33	1,2,3,4,7,8-HxCDD	190803	32.28	32.26	0.93261	0.81152	43.51	-13.0	87.0		1.189	NO
34	1,2,3,6,7,8-HxCDD	269121	32.36	32.36	1.18024	1.14463	48.49	-3.0	97.0		1.241	NO
35	1,2,3,7,8,9-HxCDD	273743	32.66	32.64	1.28282	1.16429	45.38	-9.2	90.8		1.163	NO
36	Total HxCDDs			0.00	1.13189		137.38					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	420446	34.19	34.19	0.81080	0.76557	94.42	-5.6	94.4		0.438	NO
39	1,2,3,4,6,7,8-HpCDF	277621	34.20	34.20	1.36387	1.32060	48.41	-3.2	96.8		1.019	NO
40	1,2,3,4,7,8,9-HpCDF	233807	35.32	35.32	1.11483	1.11219	49.88	-0.2	99.8		1.018	NO
41	Total HpCDFs			0.00	1.23935		98.29					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	401727	34.99	35.01	0.70743	0.73148	103.40	3.4	103.4		1.013	NO
44	1,2,3,4,6,7,8-HpCDD	198382	35.00	34.99	1.04312	0.98765	47.34	-5.3	94.7		1.057	NO
45	Total HpCDDs			0.02	1.04312		47.34					

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 15:48:51 Pacific Standard Time

Printed: Tuesday, January 05, 2010 15:49:18 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

#	Name	Response	RT	Pred.RT	RRF	M	RRF	Conc	%Dev	%Rec	Mod.D.	Ratio	Ratio Flag
47	13C-OCDD	593890	37.45	37.45	0.51880		0.54069	208.44	4.2	104.2		0.914	NO
48	OCDF	418114	37.56	37.57	1.40213		1.40805	100.42	0.4	100.4		0.934	NO
49	OCDD	349864	37.46	37.46	1.19691		1.17821	98.44	-1.6	98.4		0.850	NO
50													
51													
52	Function 1 PFK			14.26									
53	Function 2 PFK			22.48	16743...								
54	Function 3 PFK			29.28	7909.2...								
55	Function 4 PFK	2884	34.72	34.81	14980...		2884.4...	0.19	-80.7	19.3			
56	Function 5 PFK			39.31	3947.9...								
57	TCDF PCDPE			15.01	30.012...								
58	F1 PeCDF PCDPE	24	18.65	18.68	45.972...		23.591...	0.51	-48.7	51.3			
59	F2 PeCDF PCDPE	0	22.06	22.10	17.774...		0.40000	0.02	-97.7	2.3			
60	HXCDF PCDPE	22	33.11	33.02	18.611...		22.234...	1.19	19.5	119.5			
61	HPCDF PCDPE	25	35.39	35.33	75.501...		25.111...	0.33	-66.7	33.3			
62	OCDF PCDPE	8	37.52	37.54	85.061...		8.00600	0.09	-90.6	9.4			

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	654929	18.57	18.59	1.00000	1.00000	100.00	0.0	100.0		0.804	NO
2												
3	13C-2,3,7,8-TCDF	1023762	18.03	17.98	1.55387	1.56316	100.60	0.6	100.6		0.823	NO
4	2,3,7,8-TCDF	94259	18.04	18.04	1.00894	0.92071	9.13	-8.7	91.3		0.739	NO
5	Total TCDFs			21.44	1.00894		9.13					
6												
7	13C-2,3,7,8-TCDD	653270	18.78	18.77	0.93654	0.99747	106.51	6.5	106.5		0.784	NO
8	2,3,7,8-TCDD	67033	18.80	18.79	1.13162	1.02611	9.07	-9.3	90.7		0.815	NO
9	Total TCDDs			19.55	1.13162		9.07					
10												
11	37CL-2,3,7,8-TCDD	72228	18.80	18.79	1.13700	1.10284	9.70	-3.0	97.0			
12												
13	13C-1,2,3,7,8-PeCDF	709271	23.40	23.37	1.21534	1.08297	89.11	-10.9	89.1		1.601	NO
14	1,2,3,7,8-PeCDF	354074	23.42	23.42	1.03079	0.99842	48.43	-3.1	96.9		1.571	NO
15	2,3,4,7,8-PeCDF	337007	24.84	24.83	0.96399	0.95029	49.29	-1.4	98.6		1.588	NO
16	Total F2 PeCDFs			34.47	0.99739		97.72					
17	Total F1 PeCDFs			36.56	0.99739		0.09					
18												
19	13C-1,2,3,7,8-PeCDD	465871	25.59	25.55	0.74736	0.71133	95.18	-4.8	95.2		1.587	NO
20	1,2,3,7,8-PeCDD	237505	25.61	25.61	1.05672	1.01962	48.24	-3.5	96.5		1.576	NO
21	Total PeCDDs			31.10	1.05672		48.24					
22												
23	13C-1,2,3,7,8,9-HxCDD	523897	32.65	32.61	1.00000	1.00000	100.00	0.0	100.0		1.475	YES
24												
25	13C-1,2,3,4,7,8-HxCDF	478772	31.30	31.31	0.91641	0.91387	99.72	-0.3	99.7		0.499	NO
26	1,2,3,4,7,8-HxCDF	288115	31.32	31.31	1.24280	1.20356	48.42	-3.2	96.8		1.258	NO
27	1,2,3,6,7,8-HxCDF	358773	31.46	31.45	1.49624	1.49872	50.08	0.2	100.2		1.263	NO
28	2,3,4,6,7,8-HxCDF	313216	32.12	32.11	1.31114	1.30842	49.90	-0.2	99.8		1.274	NO
29	1,2,3,7,8,9-HxCDF	312548	32.83	32.85	1.29097	1.30562	50.57	1.1	101.1		1.293	NO
30	Total HxCDFs			0.00	1.33529		198.97					
31												
32	13C-1,2,3,6,7,8-HxCDD	470234	32.35	32.37	0.80919	0.89757	110.92	10.9	110.9		1.372	NO
33	1,2,3,4,7,8-HxCDD	190803	32.28	32.26	0.93261	0.81152	43.51	-13.0	87.0		1.189	NO
34	1,2,3,6,7,8-HxCDD	269121	32.36	32.36	1.18024	1.14463	48.49	-3.0	97.0		1.241	NO
35	1,2,3,7,8,9-HxCDD	273743	32.66	32.64	1.28282	1.16429	45.38	-9.2	90.8		1.163	NO
36	Total HxCDDs			0.00	1.13189		137.38					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	420446	34.19	34.19	0.81080	0.80253	98.98	-1.0	99.0		0.438	NO
39	1,2,3,4,6,7,8-HpCDF	277621	34.20	34.20	1.36387	1.32060	48.41	-3.2	96.8		1.019	NO
40	1,2,3,4,7,8,9-HpCDF	233807	35.32	35.32	1.11483	1.11219	49.88	-0.2	99.8		1.018	NO
41	Total HpCDFs			0.00	1.23935		98.29					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	401727	34.99	35.01	0.70743	0.76680	108.39	8.4	108.4		1.013	NO
44	1,2,3,4,6,7,8-HpCDD	198382	35.00	34.99	1.04312	0.98765	47.34	-5.3	94.7		1.057	NO
45	Total HpCDDs			0.02	1.04312		47.34					
46												
47	13C-OCDD	593890	37.45	37.45	0.51880	0.56680	218.51	9.3	109.3		0.914	NO
48	OCDF	418114	37.57	37.57	1.40213	1.40805	100.42	0.4	100.4		0.934	NO
49	OCDD	349864	37.46	37.46	1.19691	1.17821	98.44	-1.6	98.4		0.850	NO

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:22:00 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc	%Dev	%Rec	Mod.D	Ratio	Ratio Flag
50												
51												
52	Function 1 PFK			14.26								
53	Function 2 PFK			22.48	16743...							
54	Function 3 PFK			29.28	7909.2...							
55	Function 4 PFK	2884	34.72	34.81	14980...	2884.4...	0.19	-80.7	19.3			
56	Function 5 PFK			39.31	3947.9...							
57	TCDF PCDPE			15.01	30.012...							
58	F1 PeCDF PCDPE	24	18.65	18.68	45.972...	23.591...	0.51	-48.7	51.3			
59	F2 PeCDF PCDPE	0	22.06	22.10	17.774...	0.40000	0.02	-97.7	2.3			
60	HXCDF PCDPE	22	33.11	33.02	18.611...	22.234...	1.19	19.5	119.5			
61	HPCDF PCDPE	25	35.39	35.33	75.501...	25.111...	0.33	-66.7	33.3			
62	OCDF PCDPE	8	37.52	37.54	85.061...	8.00600	0.09	-90.6	9.4			

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\b\04JA10A3D5.SPL  
Last Modified: Tuesday, January 05, 2010 15:28:42 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 15:39:14 Pacific Standard Time

Page 1 of 2

Page Position (1, 1)

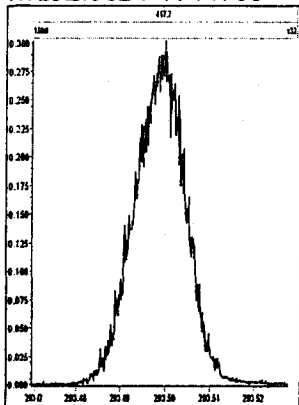
File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle
1 04JA10A3D5_1	CS-3 09DXN425	ST0104A	---	---	1.000000	---	Tray01:1
2 04JA10A3D5_2	DB5 CPSM 3732-04	CP0104	---	---	1.000000	---	Tray01:2
3 04JA10A3D5_3	Solvent Blank C-14	SB0104	---	---	1.000000	---	Tray01:3
4 04JA10A3D5_4	G9L210000-242C	LRN48-1-AC	8290/Solid	76	10.000000	g	Tray01:5
5 04JA10A3D5_5	G9K240493-1 /	LRL8H-1-AC	8290/Solid	75	10.190000	g	Tray01:6
6 04JA10A3D5_6	G9K240493-2 /	LRL8V-1-AC	8290/Solid	75	10.030000	g	Tray01:7
7 04JA10A3D5_7	G9L170538-1LCS	LRHL9-1-AC	8290/Solid	73	10.000000	g	Tray01:8
8 04JA10A3D5_8	G9L170538-1MB	LRHL9-1-AA	8290/Solid	73	10.000000	g	Tray01:9
9 04JA10A3D5_9	Solvent Blank C-14	SB0104A	---	---	1.000000	---	Tray01:4
10 04JA10A3D5_10	CS-3 09DXN425	ST0104B	---	---	1.000000	---	Tray01:1
11 04JA10A3D5_11	CS-3 09DXN425	ST0104C	---	---	1.000000	---	Tray01:1
12 04JA10A3D5_12	DB5 CPSM 3732-04	CP0104A	---	---	1.000000	---	Tray01:2
13 04JA10A3D5_13	Solvent Blank C-14	SB0104B	---	---	1.000000	---	Tray01:3
14 04JA10A3D5_14	G9L170538-1	LQ89Q-1-AC	8290/Solid	73	10.010000	g	Tray01:10
15 04JA10A3D5_15	G9L170538-2	LQ89T-1-AC	8290/Solid	73	10.360000	g	Tray01:11
16 04JA10A3D5_16	G9L170538-3	LQ89X-1-AC	8290/Solid	73	10.350000	g	Tray01:12
17 04JA10A3D5_17	G9L170538-4	LQ892-1-AC	8290/Solid	73	10.000000	g	Tray01:13
18 04JA10A3D5_18	G9L170538-5	LQ893-1-AC	8290/Solid	73	10.290000	g	Tray01:14
19 04JA10A3D5_19	G9L170538-6	LQ894-1-AC	8290/Solid	73	10.300000	g	Tray01:15
20 04JA10A3D5_20	G9L170538-7	LQ895-1-AC	8290/Solid	73	10.180000	g	Tray01:16
21 04JA10A3D5_21	G9L170538-8	LQ897-1-AC	8290/Solid	73	10.650000	g	Tray01:17
22 04JA10A3D5_22	G9L170538-9	LQ898-1-AC	8290/Solid	73	10.080000	g	Tray01:18
23 04JA10A3D5_23	G9L170538-10	LQ9AC-1-AC	8290/Solid	73	10.410000	g	Tray01:19
24 04JA10A3D5_24	Solvent Blank C-14	SB0104C	---	---	1.000000	---	Tray01:4
25 04JA10A3D5_25	DB5 CPSM 3732-04	CP0104B	---	---	1.000000	---	Tray01:2
26 04JA10A3D5_26	CS-3 09DXN425	ST0104D	---	---	1.000000	---	Tray01:1
27 04JA10A3D5_27	Solvent Blank C-14	SB0104D	---	---	1.000000	---	Tray01:3
28 04JA10A3D5_28	G9L170538-11	LQ9AD-1-AC	8290/Solid	73	10.000000	g	Tray01:20
29 04JA10A3D5_29	G9L170538-12	LQ9AE-1-AC	8290/Solid	73	10.010000	g	Tray01:21
30 04JA10A3D5_30	G9L170538-13	LQ9FH-1-AC	8290/Solid	73	10.070000	g	Tray01:22
31 04JA10A3D5_31	G9L170538-14	LQ9FJ-1-AC	8290/Solid	73	10.380000	g	Tray01:23
32 04JA10A3D5_32	G9L170538-15	LQ9FL-1-AC	8290/Solid	73	10.200000	g	Tray01:24
33 04JA10A3D5_33	G9L100559-6RXLCS RI	LRFN6-1-AC	8290/Solid	72	10.000000	g	Tray01:29
34 04JA10A3D5_34	G9L170538-16	LQ9FP-1-AC	8290/Solid	73	10.360000	g	Tray01:25
35 04JA10A3D5_35	G9L170538-16MS	LQ9FP-1-AD	8290/Solid	73	10.160000	g	Tray01:26
36 04JA10A3D5_36	G9L170538-16SD	LQ9FP-1-AE	8290/Solid	73	10.230000	g	Tray01:27
37 04JA10A3D5_37	G9L170538-19	LQ9FX-1-AC	8290/Solid	73	10.030000	g	Tray01:28
38 04JA10A3D5_38	Solvent Blank C-14	SB0104E	---	---	1.000000	---	Tray01:24
39 04JA10A3D5_39	CS-3 09DXN425	ST0104F	---	---	1.000000	---	Tray01:25



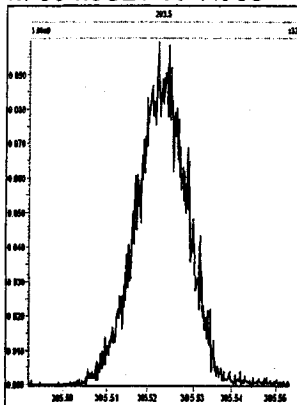
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Printed: Monday, January 04, 2010 14:57:34 Pacific Standard Time

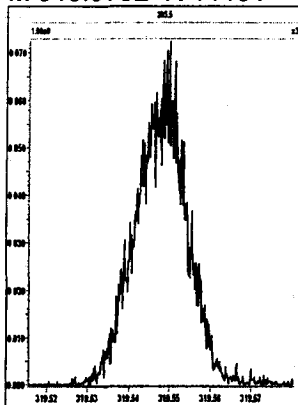
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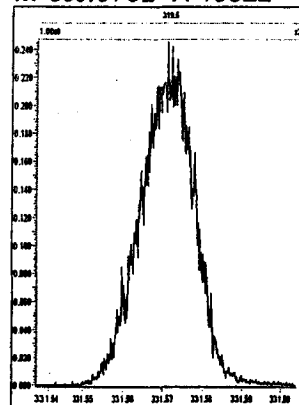
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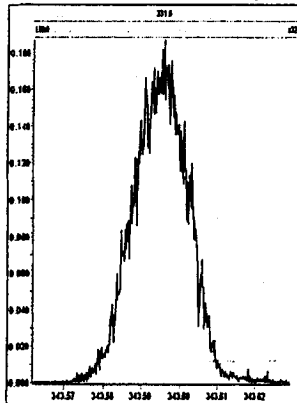
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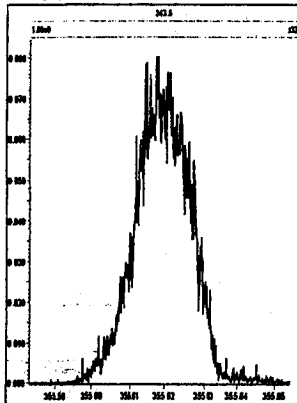
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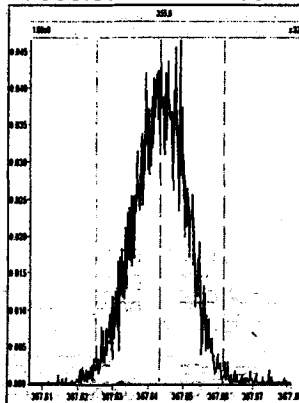
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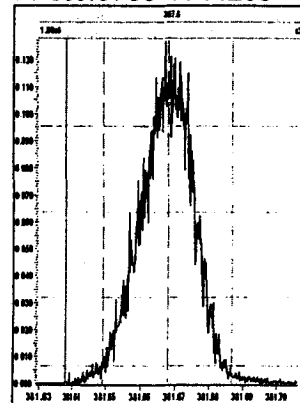
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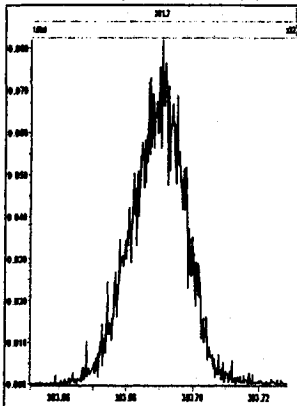
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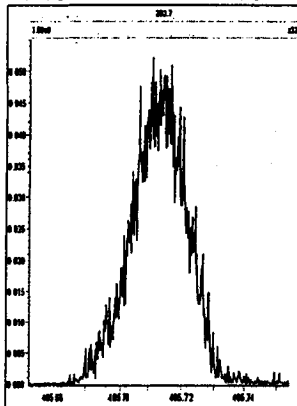
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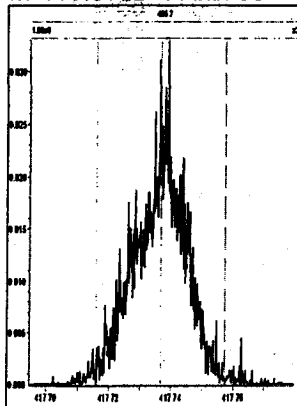
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M 404.9760 R 11363



M 416.9760 R 12753

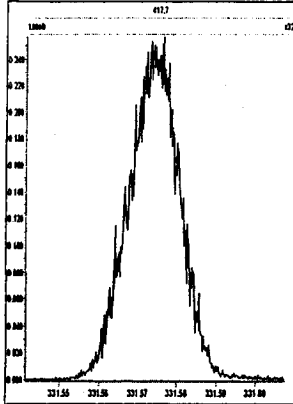




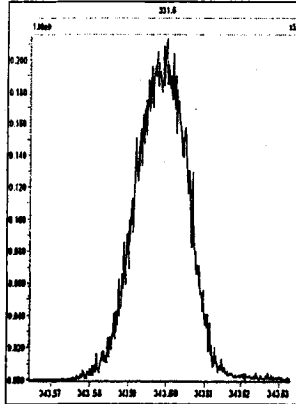
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Printed: Monday, January 04, 2010 14:58:01 Pacific Standard Time

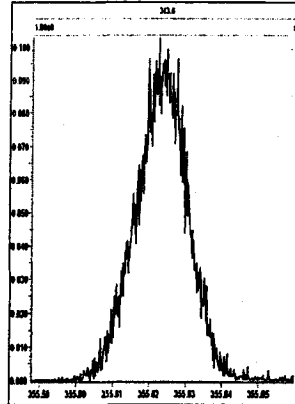
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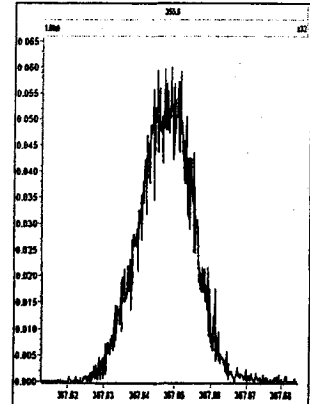
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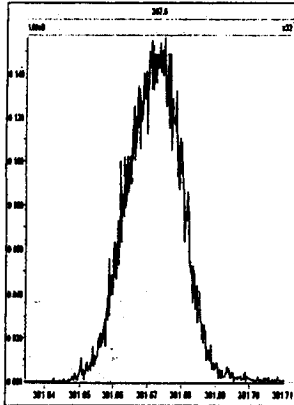
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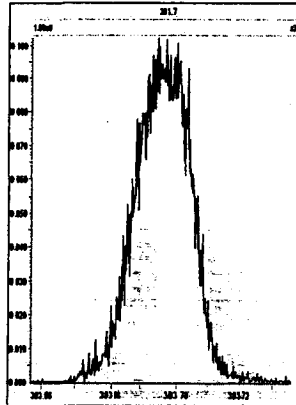
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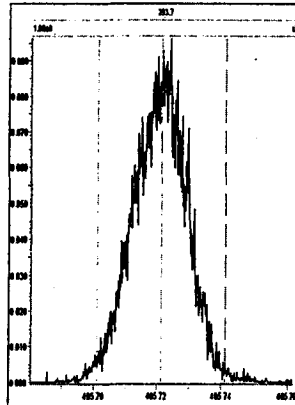
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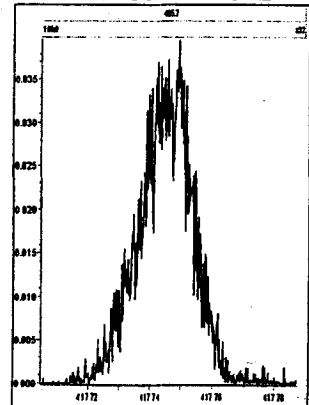
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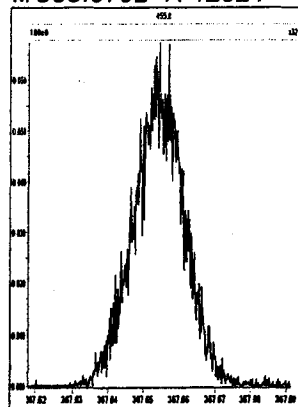
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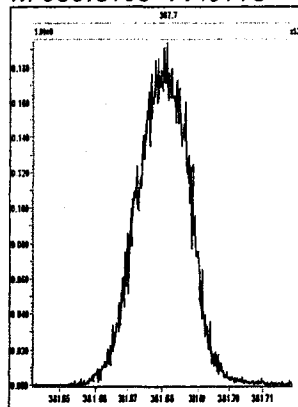
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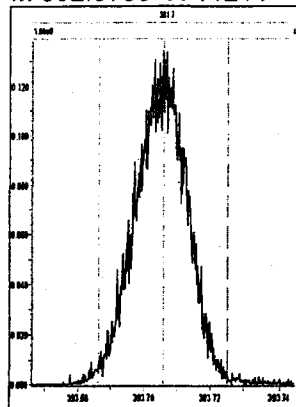
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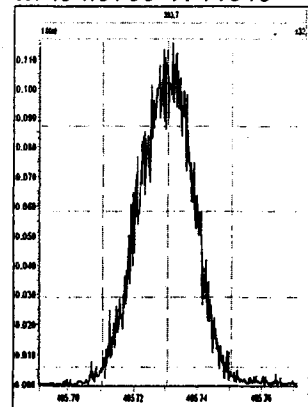
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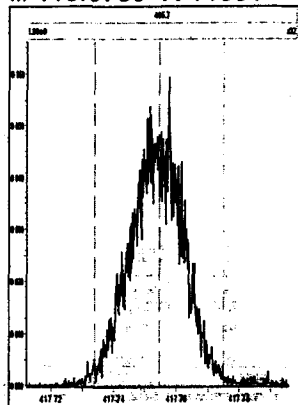
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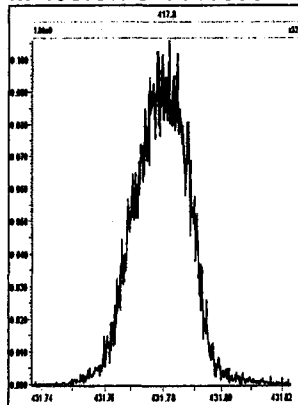
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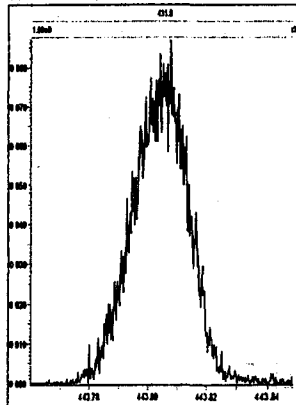
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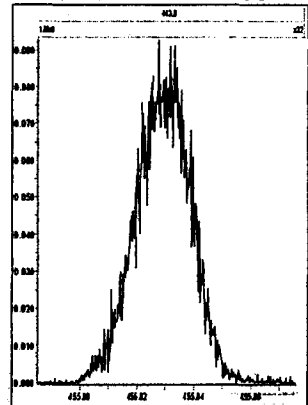
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M 442.9728 R 11113



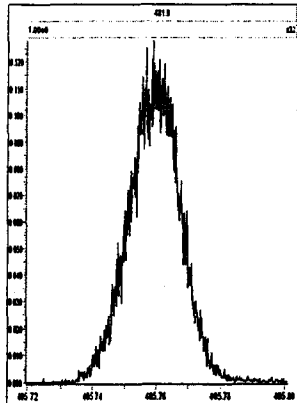
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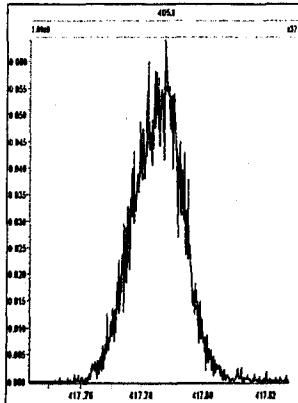
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Printed: Monday, January 04, 2010 14:59:23 Pacific Standard Time

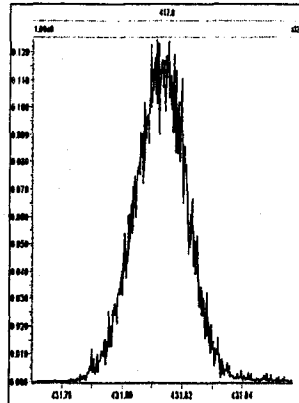
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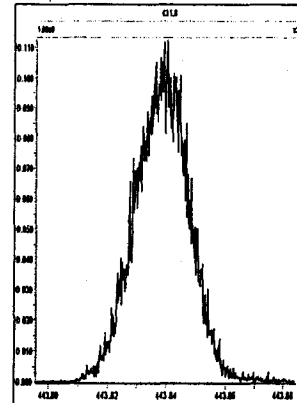
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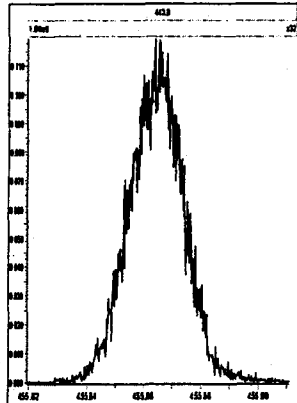
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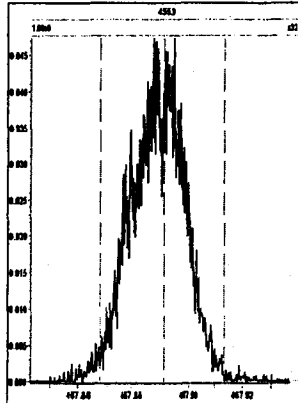
M 442.9728 R 10732



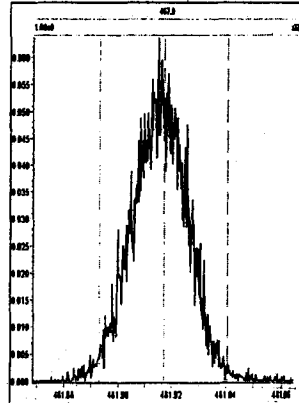
M 454.9728 R 10640



M 466.9728 R 11522



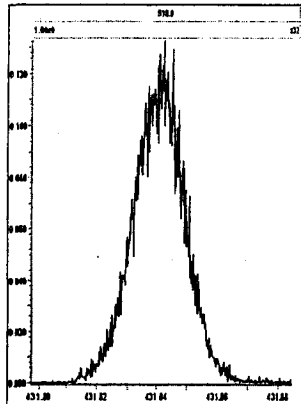
M 480.9696 R 11158



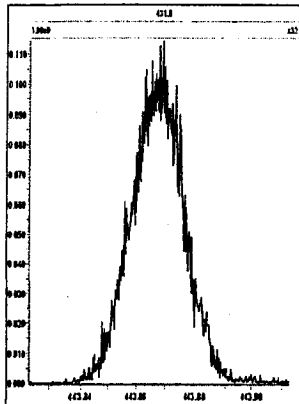
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, January 04, 2010 14:59:55 Pacific Standard Time

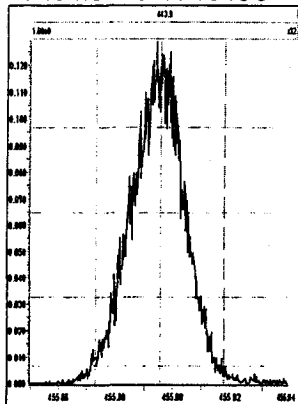
M 430.9728 R 10504



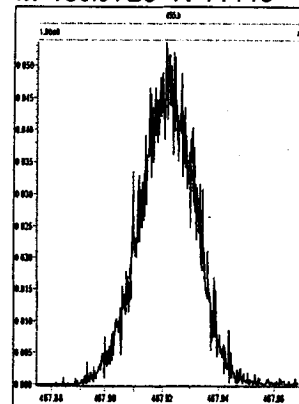
M 442.9728 R 11311



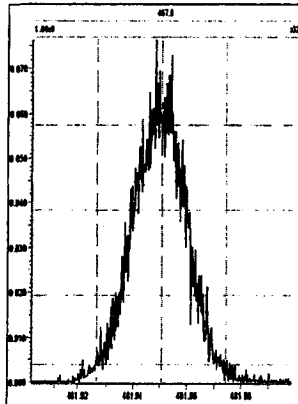
M 454.9728 R 10459



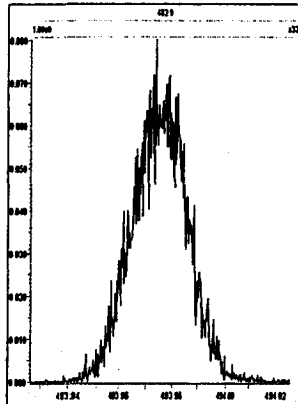
M 466.9728 R 11113



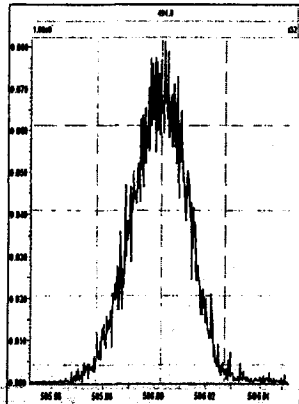
M 480.9696 R 10591



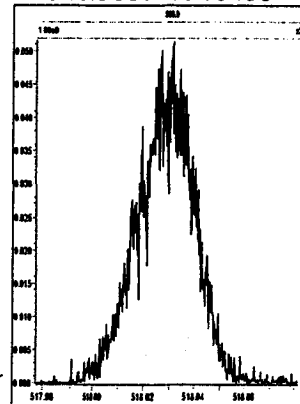
M 492.9696 R 10594



M 504.9696 R 10417



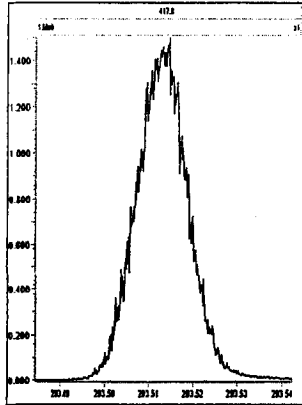
M 516.9697 R 10463



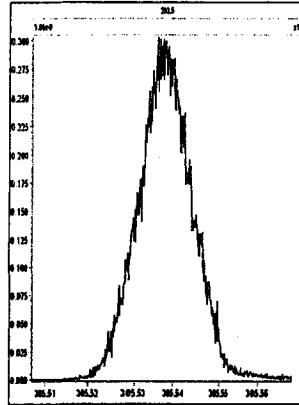
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:49:49 Pacific Standard Time

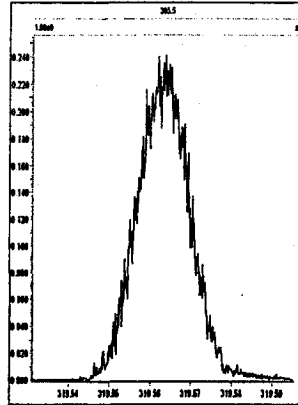
M 292.9824 R 11016



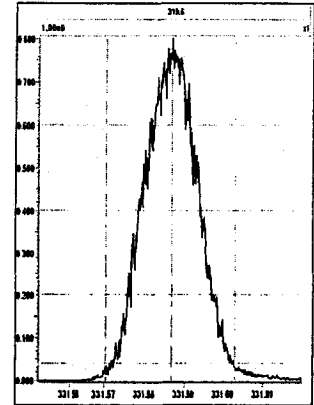
M 304.9824 R 11064



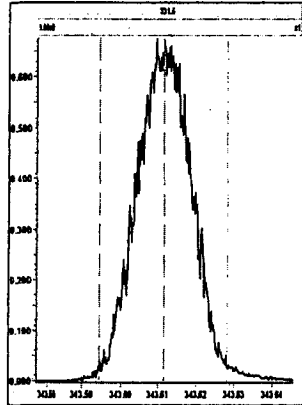
M 318.9792 R 11262



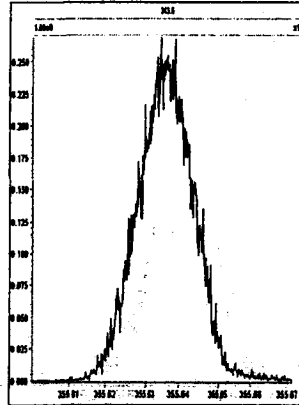
M 330.9792 R 10822



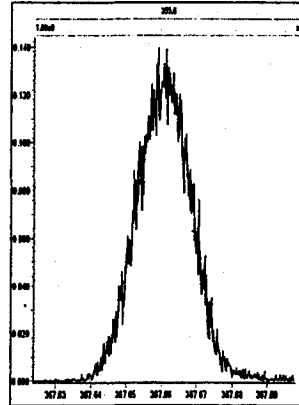
M 342.9792 R 10916



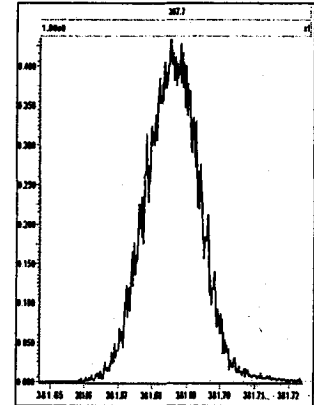
M 354.9792 R 10641



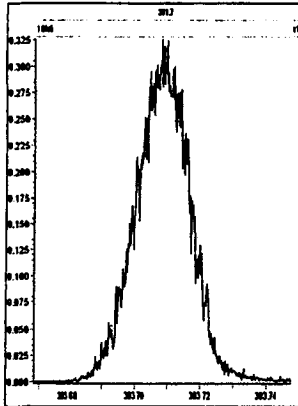
M 366.9792 R 10871



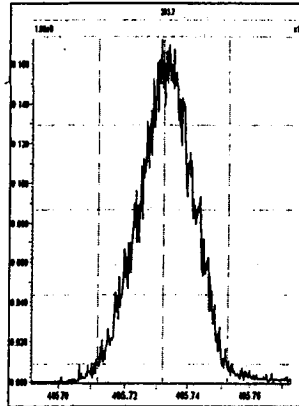
M 380.9760 R 10918



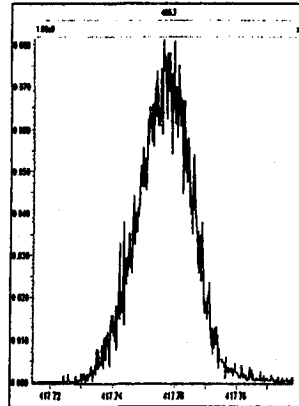
M 392.9760 R 10639



M 404.9760 R 10593



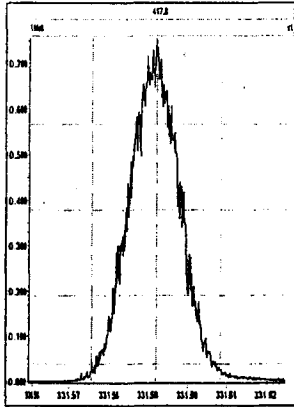
M 416.9760 R 11903



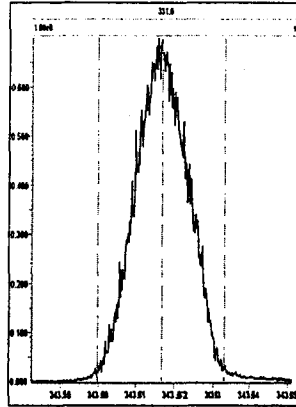
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:50:54 Pacific Standard Time

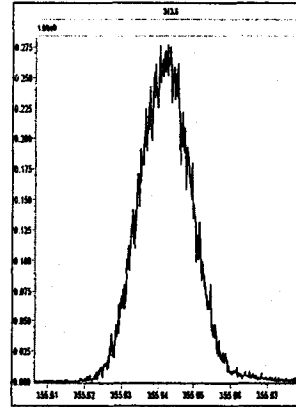
M 330.9792 R 11307



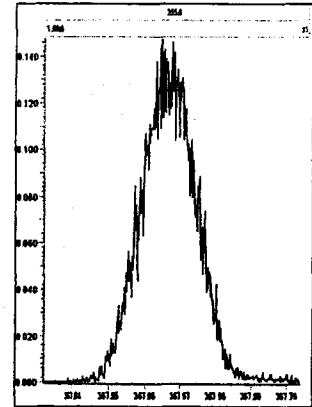
M 342.9792 R 11012



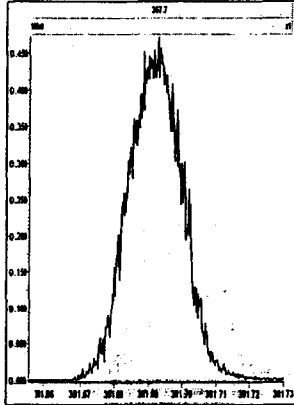
M 354.9792 R 11310



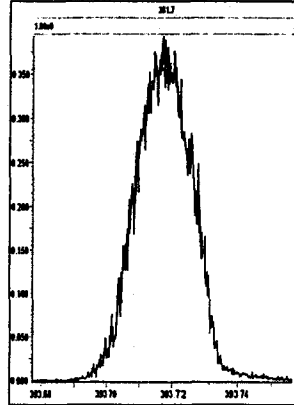
M 366.9792 R 10820



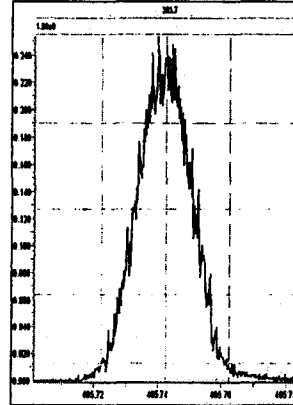
M 380.9760 R 11015



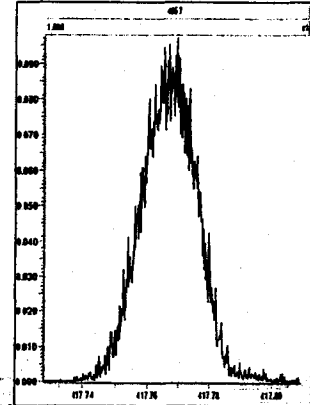
M 392.9760 R 10819



M 404.9760 R 10725



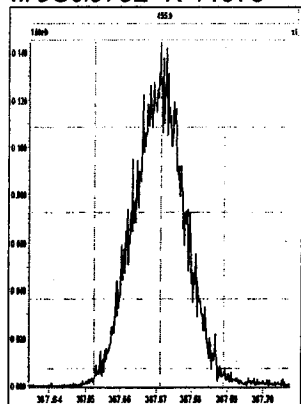
M 416.9760 R 11363



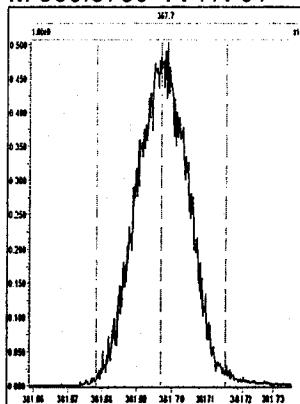
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:51:49 Pacific Standard Time

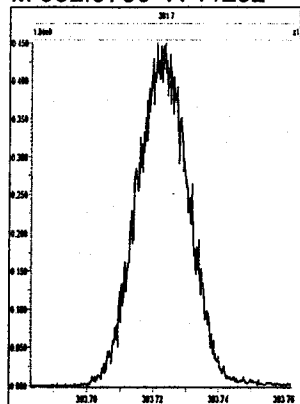
M 366.9792 R 11576



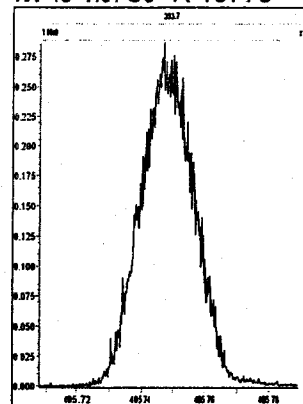
M 380.9760 R 11794



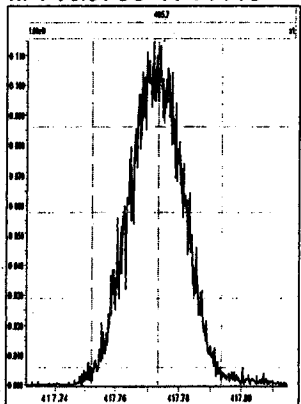
M 392.9760 R 11262



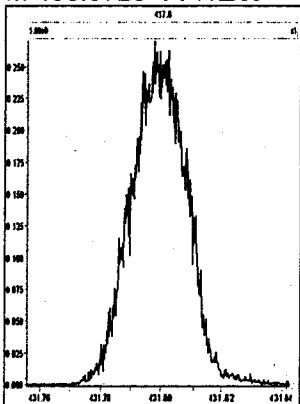
M 404.9760 R 10776



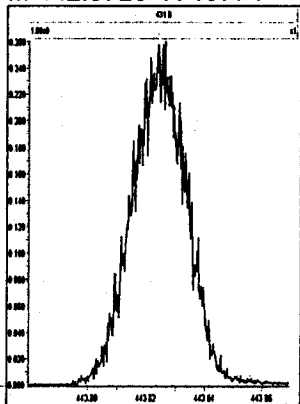
M 416.9760 R 11110



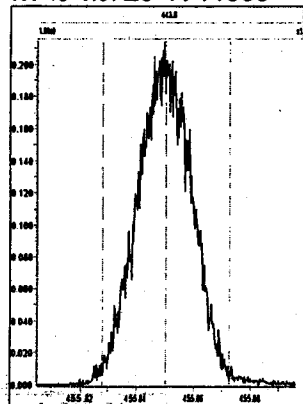
M 430.9728 R 11260



M 442.9728 R 10774



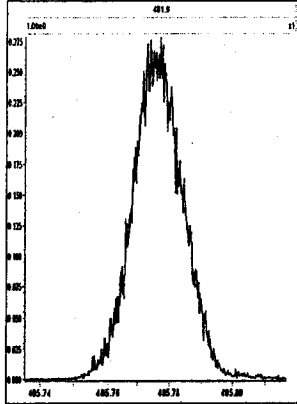
M 454.9728 R 11365



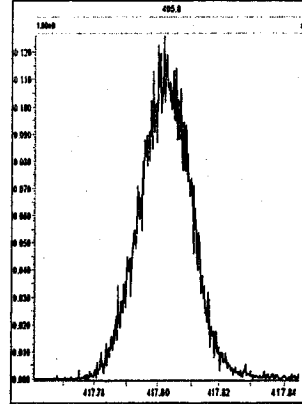
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:52:32 Pacific Standard Time

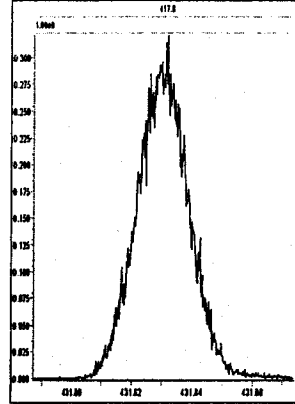
M 404.9760 R 11108



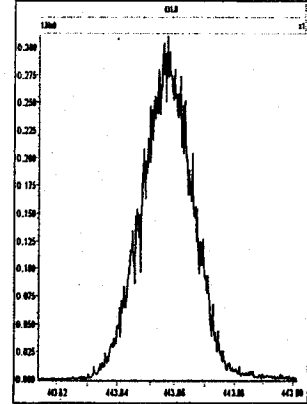
M 416.9760 R 11468



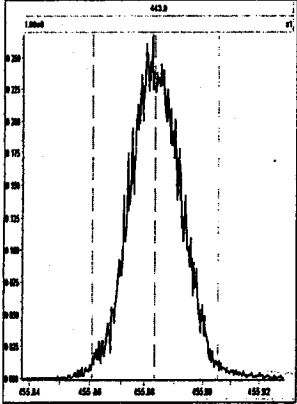
M 430.9728 R 10638



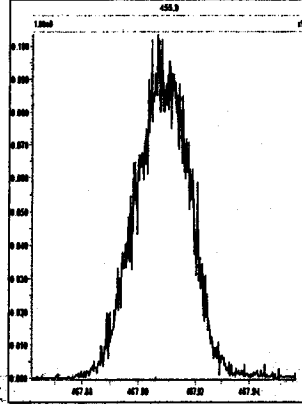
M 442.9728 R 10729



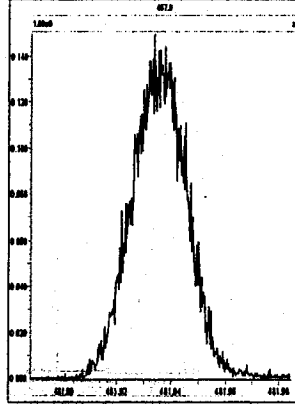
M 454.9728 R 10592



M 466.9728 R 11212



M 480.9696 R 10727

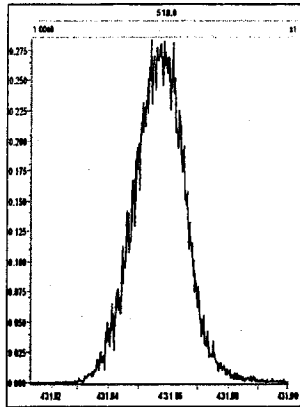




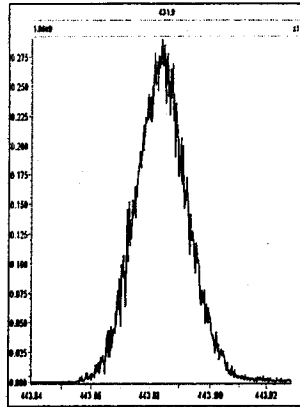
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, January 04, 2010 23:53:23 Pacific Standard Time

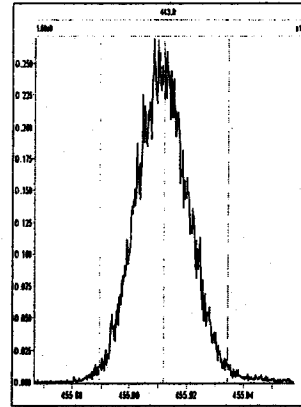
M 430.9728 R 11360



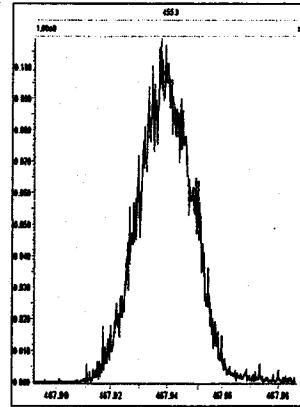
M 442.9728 R 11062



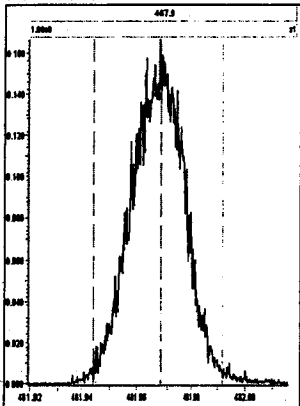
M 454.9728 R 11012



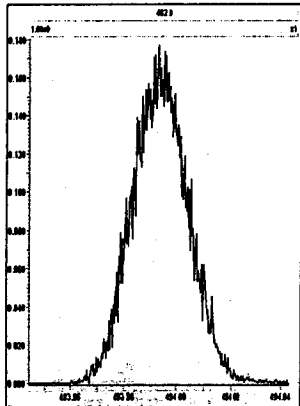
M 466.9728 R 10919



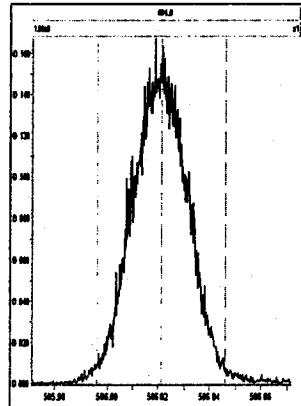
M 480.9696 R 10728



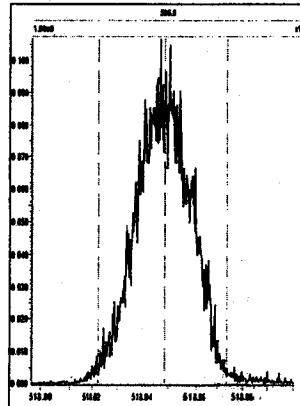
M 492.9696 R 10731



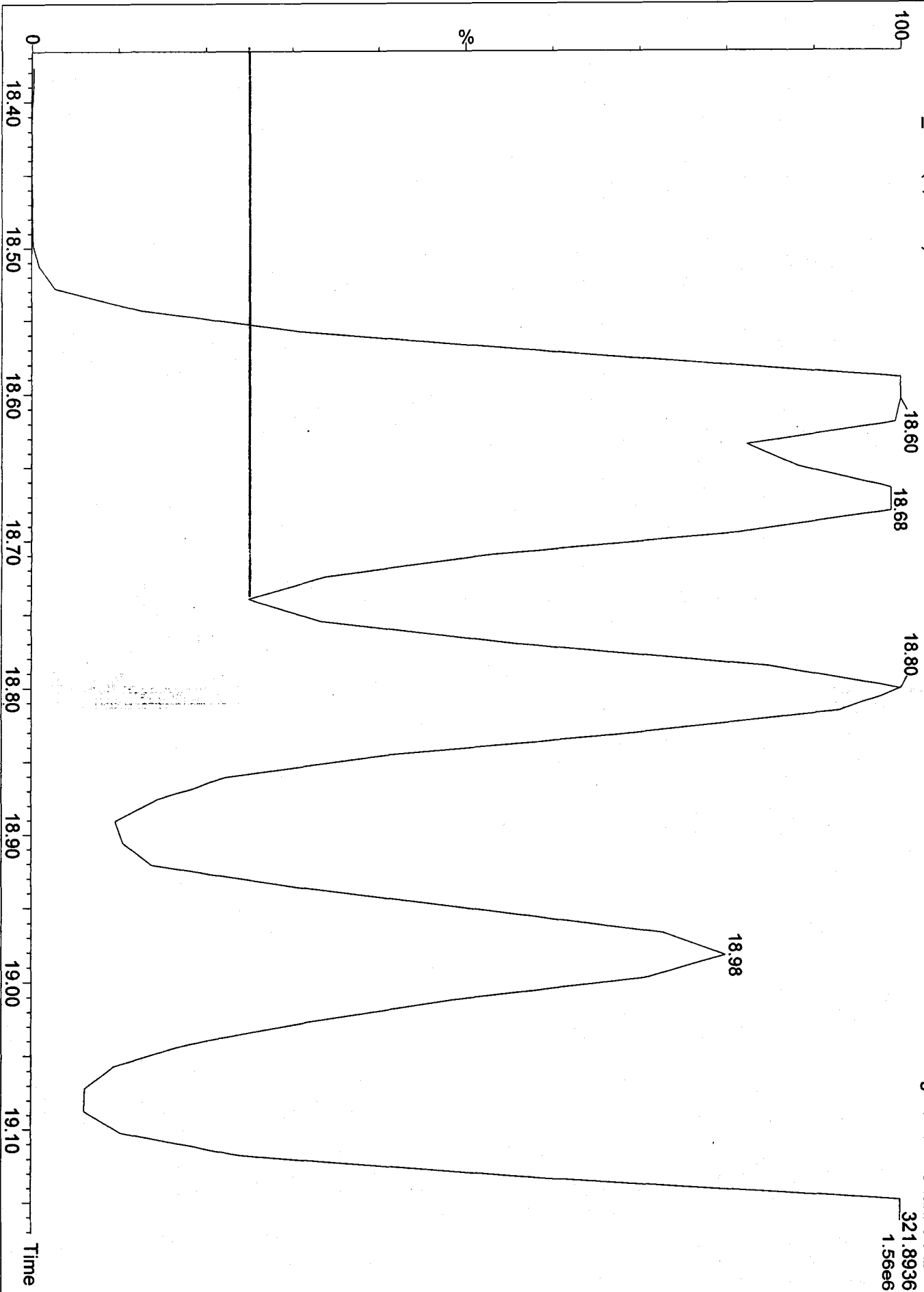
M 504.9696 R 10285



M 516.9697 R 10333



DB5 CPSM 3732-0417:14:3904-Jan-2010Tray01:2  
04JA10A3D5\_2 Sb (1,10.00)



Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:24:15 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.55387	0.10195	6.56127
4	2,3,7,8-TCDF	1.00894	0.03940	3.90512
5	Total TCDFs	1.00894	0.03940	3.90512
6				
7	13C-2,3,7,8-TCDD	0.93654	0.08265	8.82467
8	2,3,7,8-TCDD	1.13162	0.06094	5.38546
9	Total TCDDs	1.13162	0.06094	5.38546
10				
11	37CL-2,3,7,8-TCDD	1.13700	0.09172	8.06695
12				
13	13C-1,2,3,7,8-PeCDF	1.21534	0.12934	10.64235
14	1,2,3,7,8-PeCDF	1.03079	0.04663	4.52356
15	2,3,4,7,8-PeCDF	0.96399	0.04086	4.23834
16	Total F2 PeCDFs	0.99739	0.04369	4.38021
17	Total F1 PeCDFs	0.99739	0.04369	4.38021
18				
19	13C-1,2,3,7,8-PeCDD	0.74736	0.08018	10.72899
20	1,2,3,7,8-PeCDD	1.05672	0.03490	3.30300
21	Total PeCDDs	1.05672	0.03490	3.30300
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	0.91641	0.07223	7.88160
26	1,2,3,4,7,8-HxCDF	1.24280	0.05687	4.57635
27	1,2,3,6,7,8-HxCDF	1.49624	0.06359	4.24985
28	2,3,4,6,7,8-HxCDF	1.31114	0.08139	6.20792
29	1,2,3,7,8,9-HxCDF	1.29097	0.15794	12.23447
30	Total HxCDFs	1.33529	0.08589	6.43214
31				
32	13C-1,2,3,6,7,8-HxCDD	0.80919	0.05547	6.85475
33	1,2,3,4,7,8-HxCDD	0.93261	0.05959	6.38974
34	1,2,3,6,7,8-HxCDD	1.18024	0.05154	4.36672
35	1,2,3,7,8,9-HxCDD	1.28282	0.21352	16.64444
36	Total HxCDDs	1.13189	0.10452	9.23374
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.81080	0.04083	5.03538
39	1,2,3,4,6,7,8-HpCDF	1.36387	0.07395	5.42218
40	1,2,3,4,7,8,9-HpCDF	1.11483	0.06881	6.17218
41	Total HpCDFs	1.23935	0.07020	5.66394
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.70743	0.03465	4.89747
44	1,2,3,4,6,7,8-HpCDD	1.04312	0.04748	4.55165
45	Total HpCDDs	1.04312	0.04748	4.55165
46				
47	13C-OCDD	0.51880	0.04380	8.40429

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:24:15 Pacific Standard Time

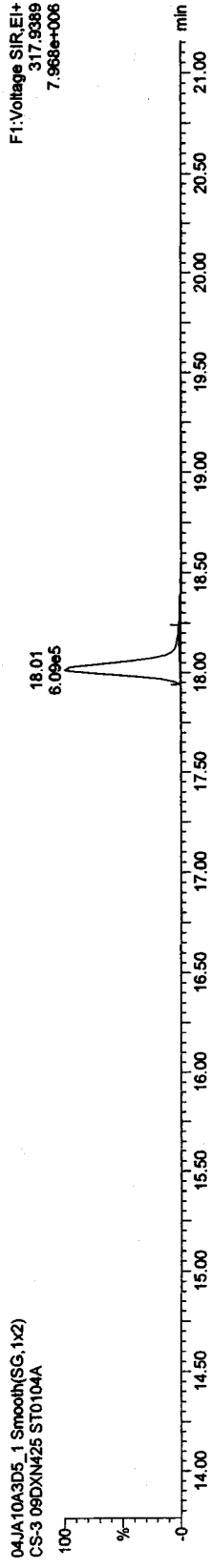
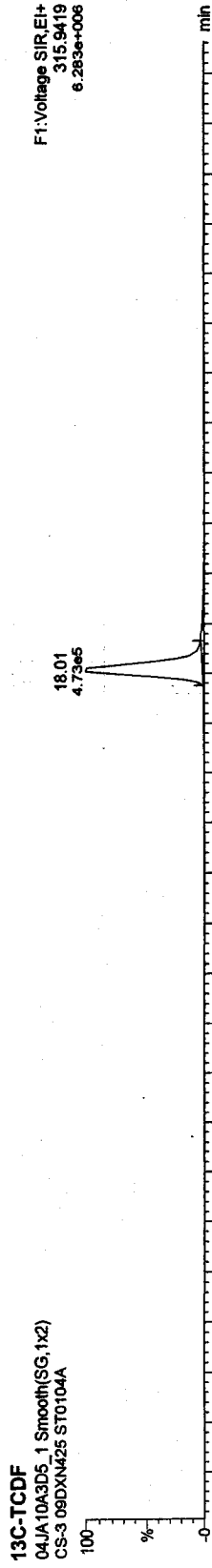
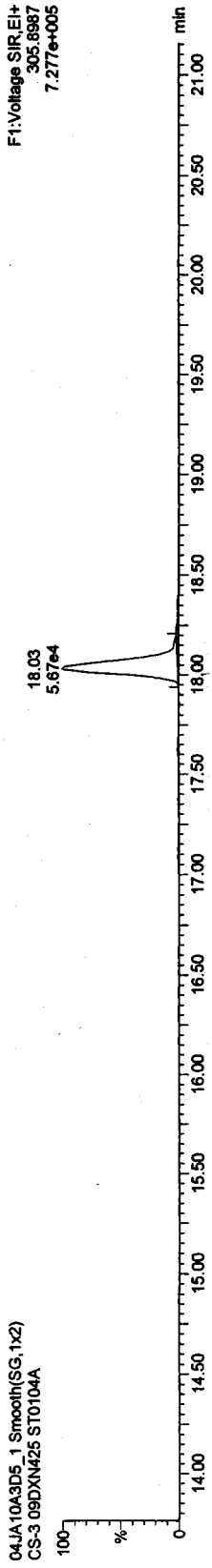
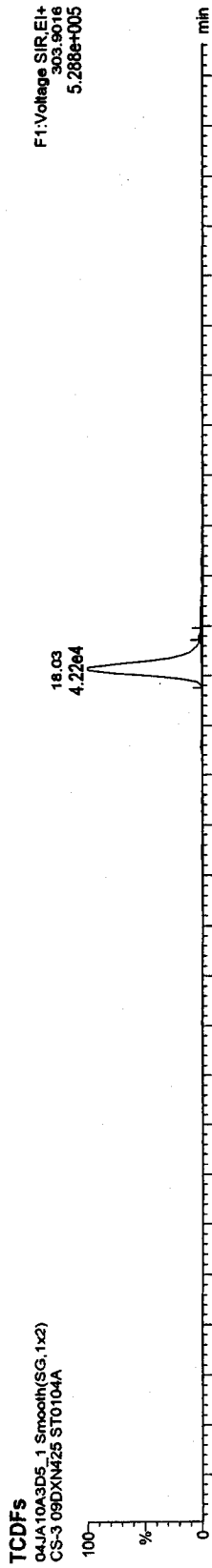
#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.40213	0.13119	9.35683
49	OCDD	1.19691	0.05139	4.29389
50				
51				
52	Function 1 PFK			
53	Function 2 PFK	16743.46550	16630.81420	99.32719
54	Function 3 PFK	7909.22500	521.22114	6.59004
55	Function 4 PFK	14980.66300	0.00000	0.00000
56	Function 5 PFK	3947.90350	3001.02553	76.01568
57	TCDF PCDPE	30.01200	0.00000	0.00000
58	F1 PeCDF PCDPE	45.97250	34.38590	74.79666
59	F2 PeCDF PCDPE	17.77400	16.24159	91.37835
60	HXCDF PCDPE	18.61100	20.51602	110.23600
61	HPCDF PCDPE	75.50100	34.84622	46.15333
62	OCDF PCDPE	85.06150	155.80506	183.16755

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\B2903D5.mdb 04 Jan 2010 09:44:45  
Calibration: C:\MassLynx\Default.PRO\CurvedB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23  
Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

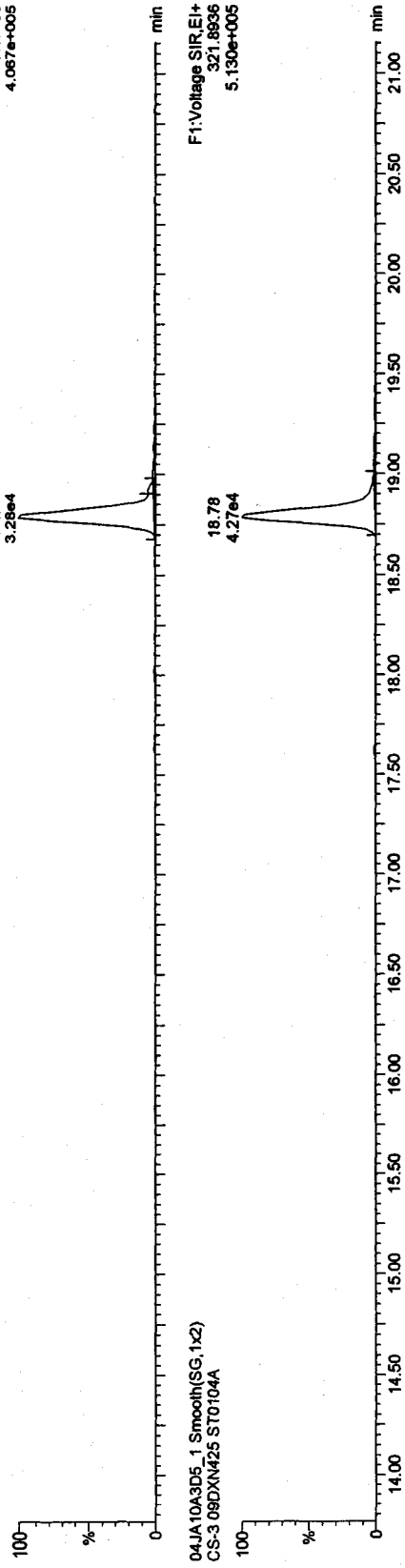
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

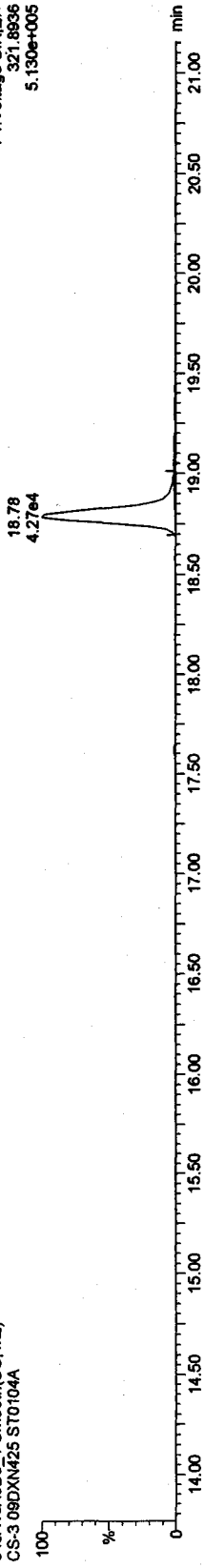
TCDDs

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F1:Voltage SIR,EI+  
319.8965  
4.067e+005

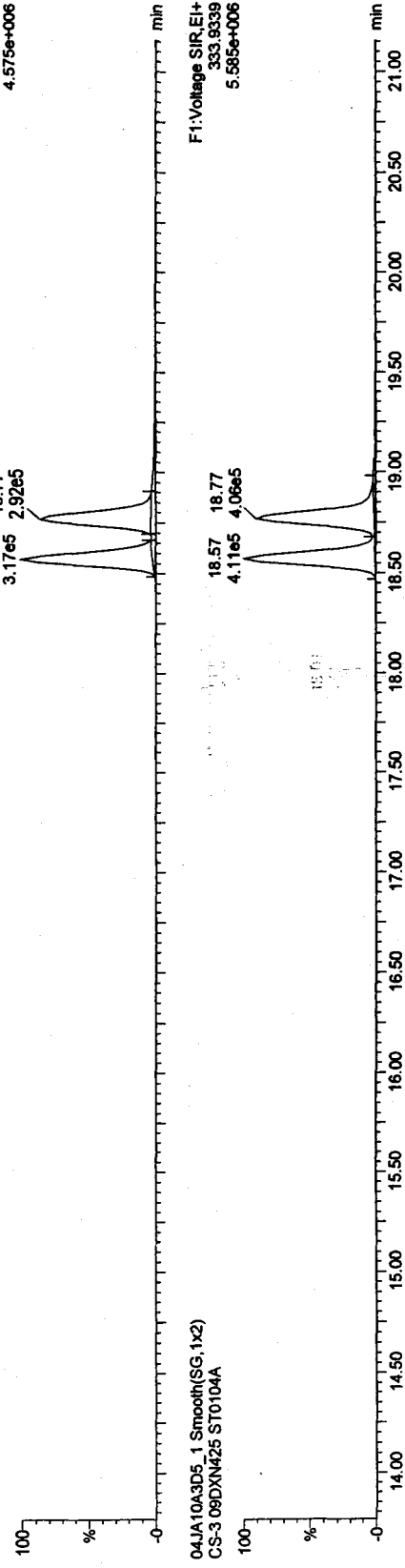
04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F1:Voltage SIR,EI+  
321.8936  
5.130e+005

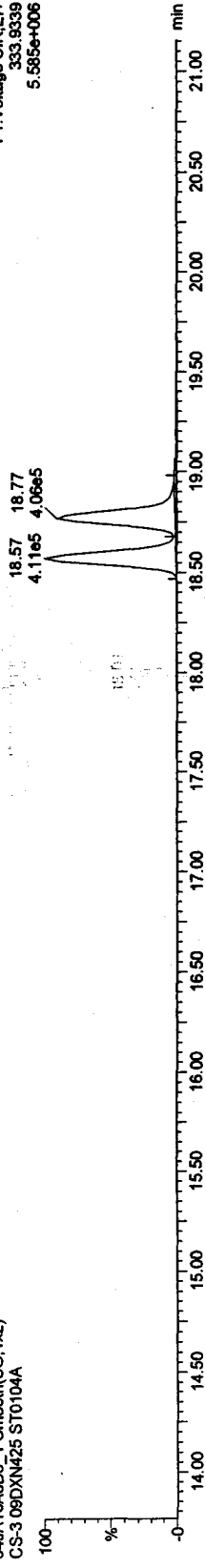
13C-TCDDs

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F1:Voltage SIR,EI+  
331.8368  
4.575e+006

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F1:Voltage SIR,EI+  
333.8339  
5.585e+006

Quantify Sample Report MassLynx 4.1

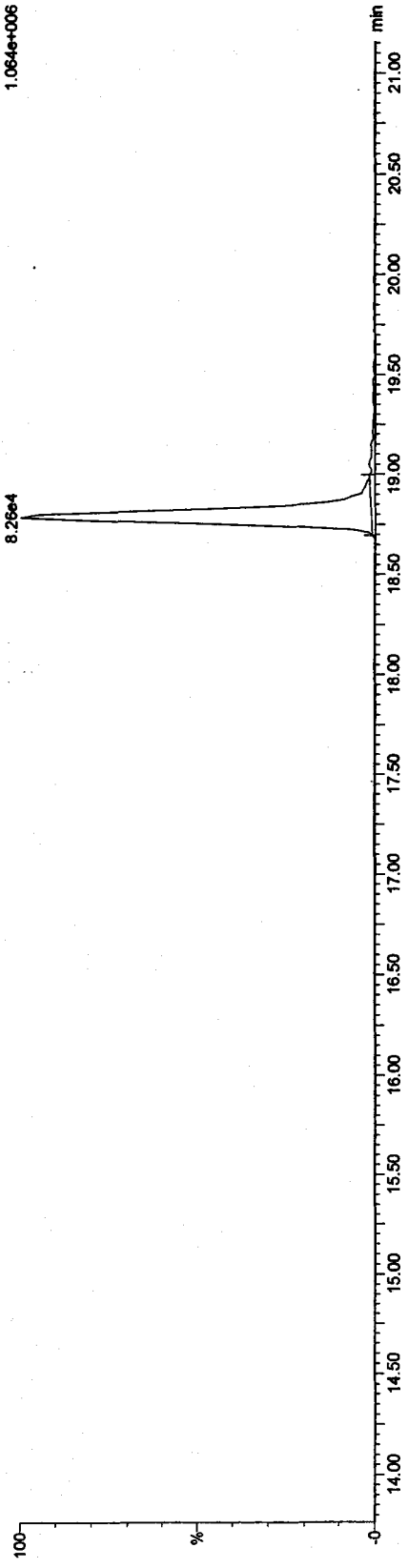
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

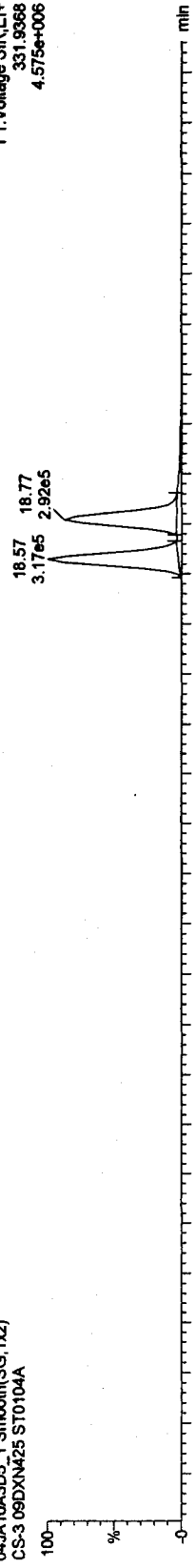
37CL-2,3,7,8-TCDD  
04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

F1:Voltage SIR,EI+  
327.8847  
1.064e+006



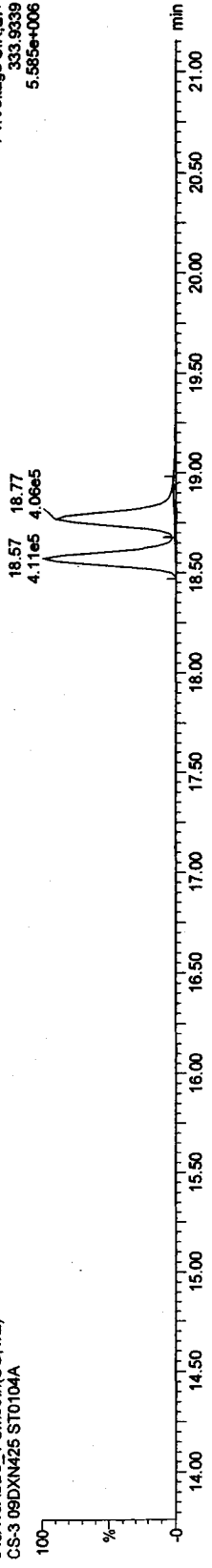
13C-TCDDs  
04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

F1:Voltage SIR,EI+  
331.9368  
4.575e+006



04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

F1:Voltage SIR,EI+  
333.9339  
5.585e+006

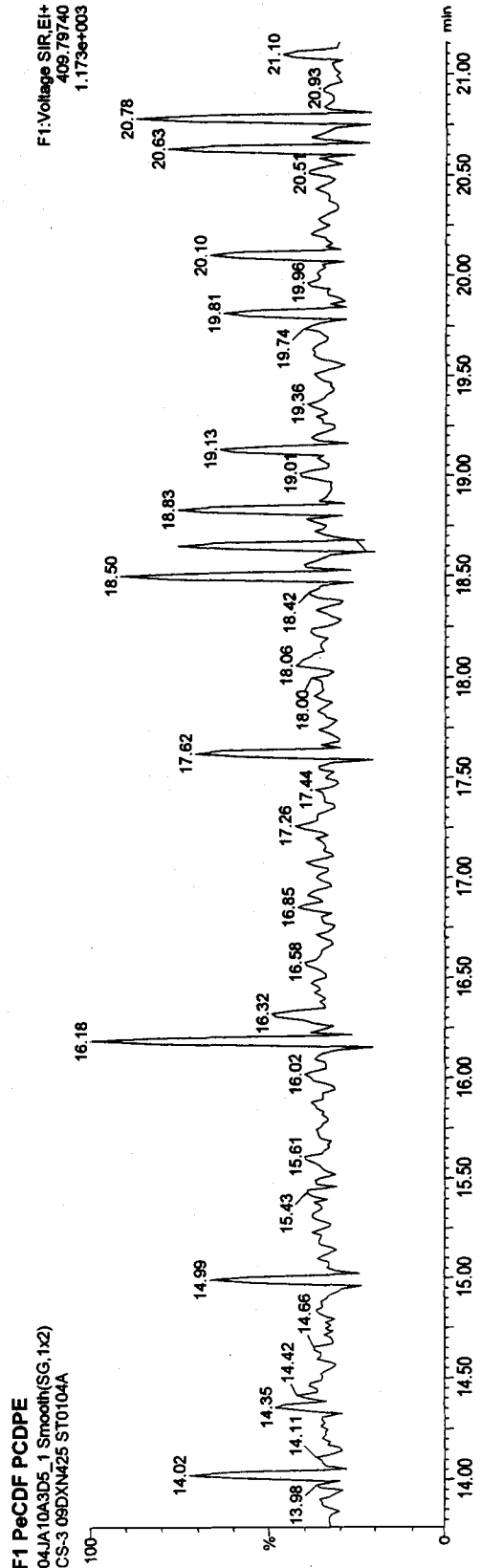
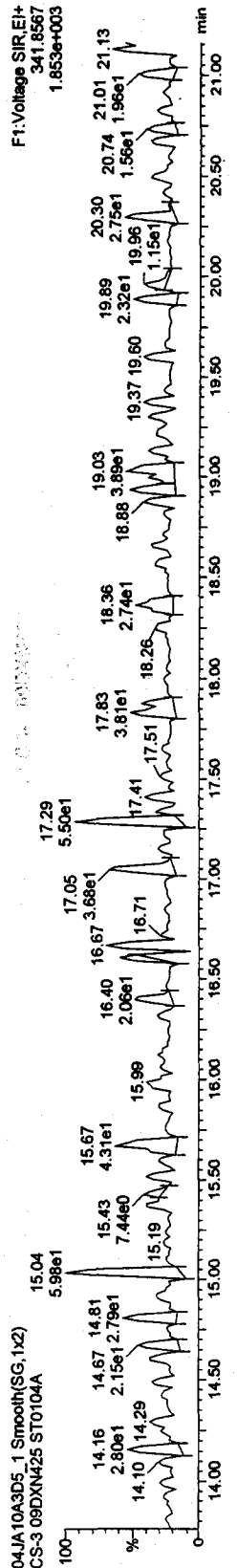
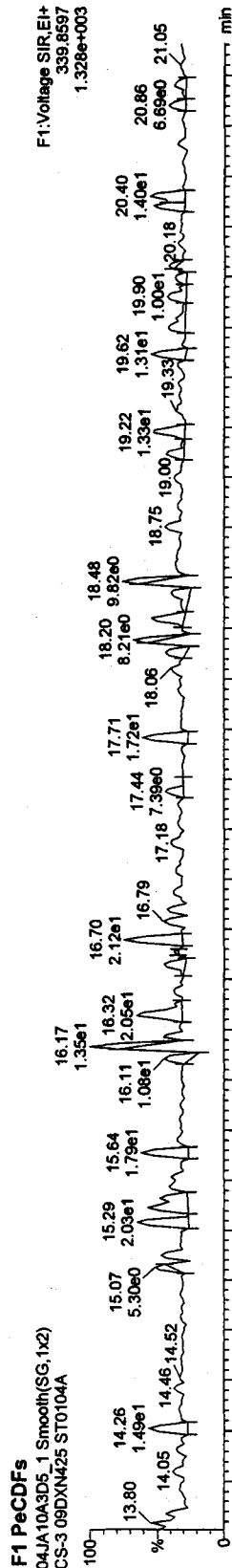


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425



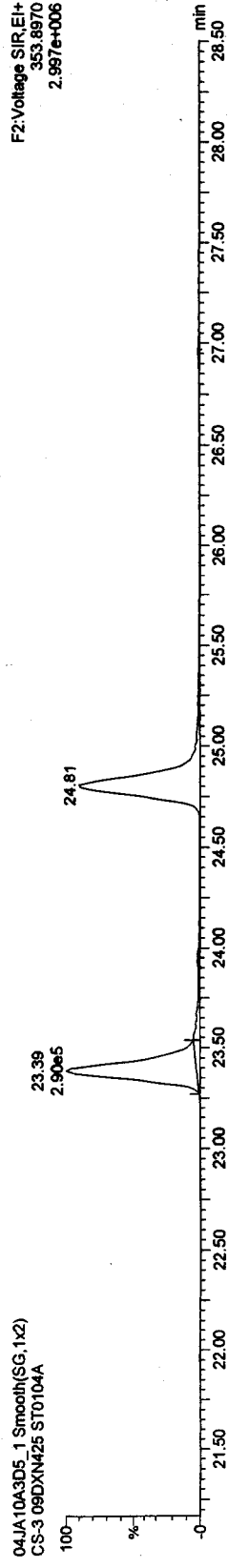
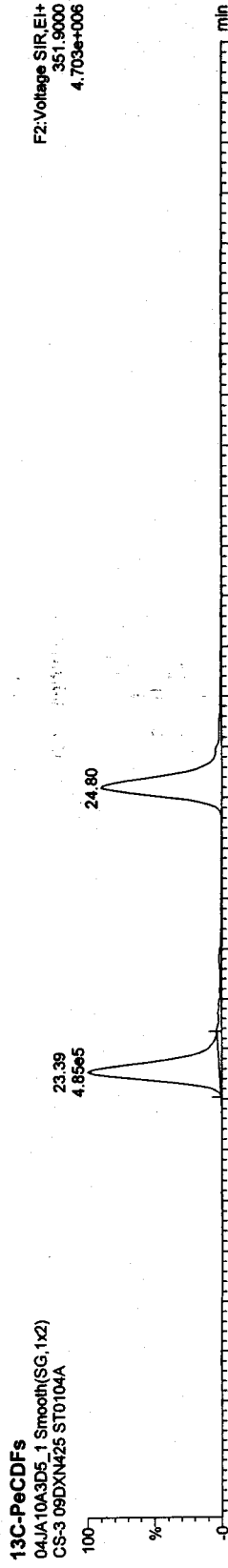
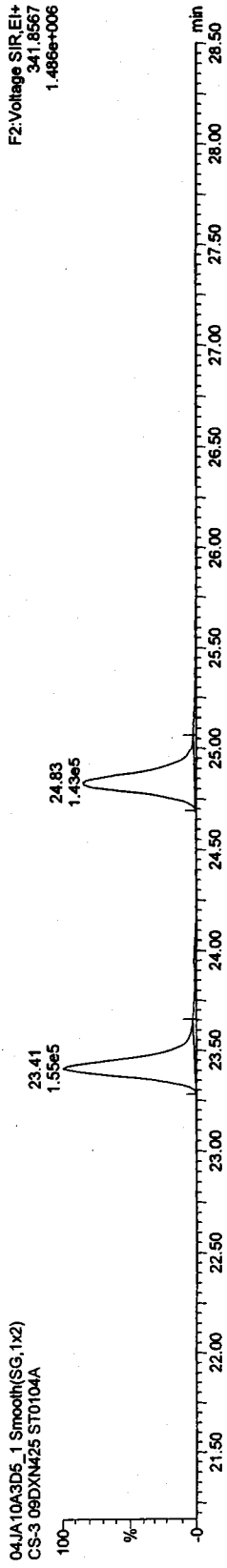
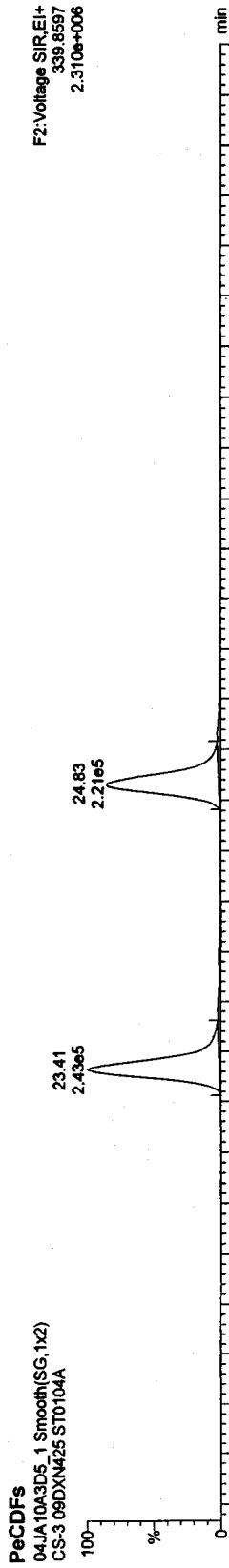


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

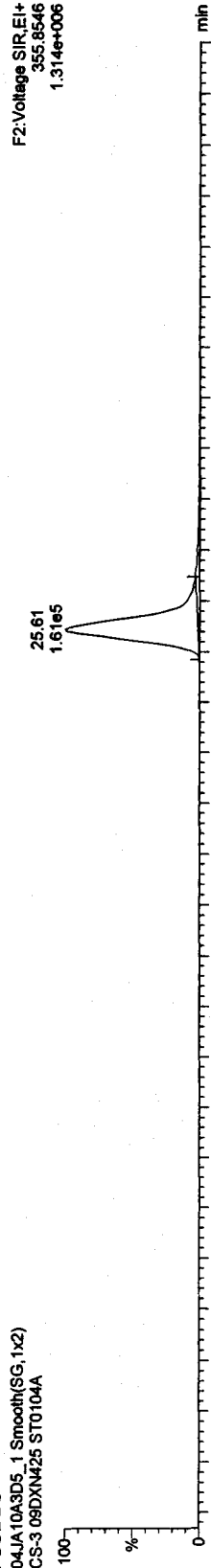
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

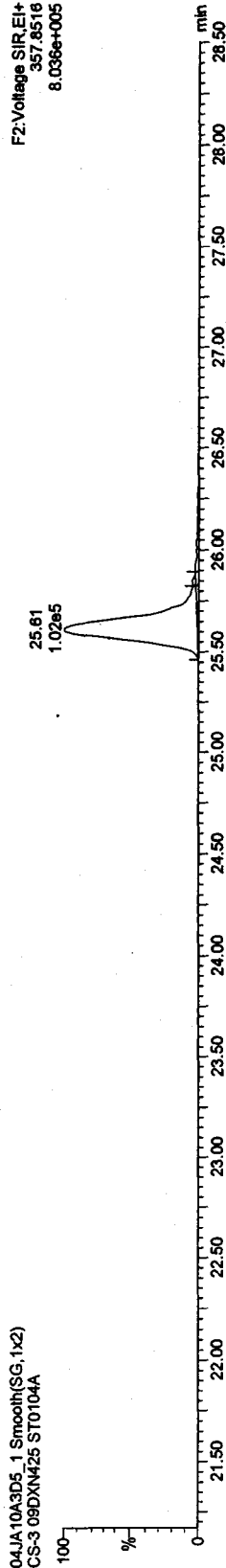
PeCDDs

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F2:Voltage SIR.EI+  
355.8546  
1.314e+006

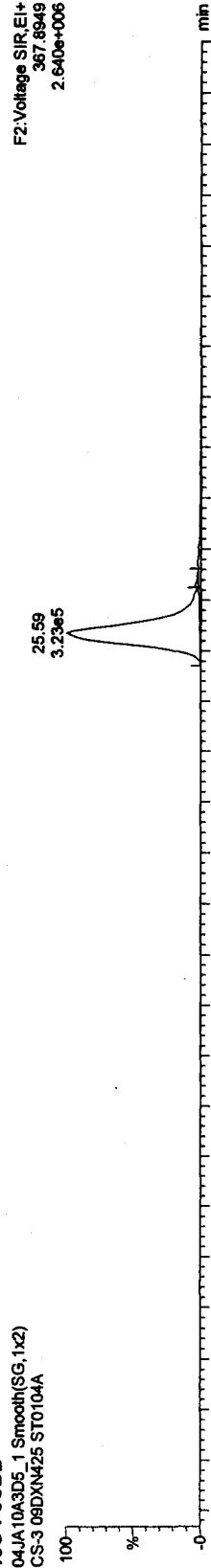
04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F2:Voltage SIR.EI+  
357.8516  
8.036e+005

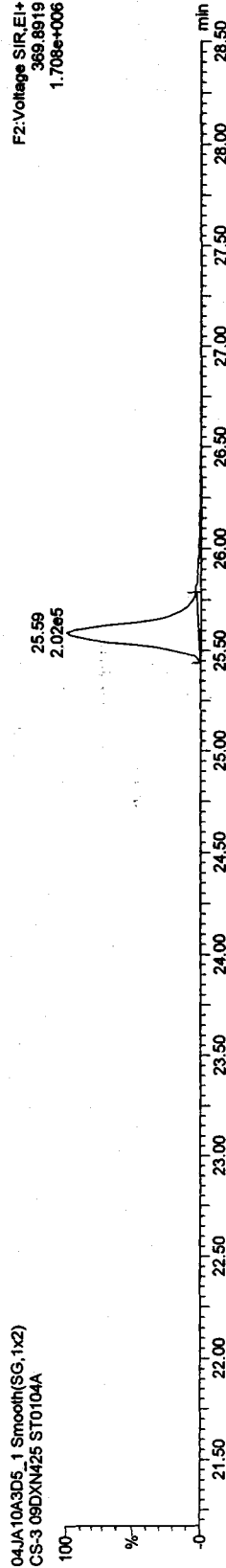
13C-PeCDD

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F2:Voltage SIR.EI+  
367.8949  
2.640e+006

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



F2:Voltage SIR.EI+  
369.8919  
1.708e+006

Quantify Sample Report MassLynx 4.1

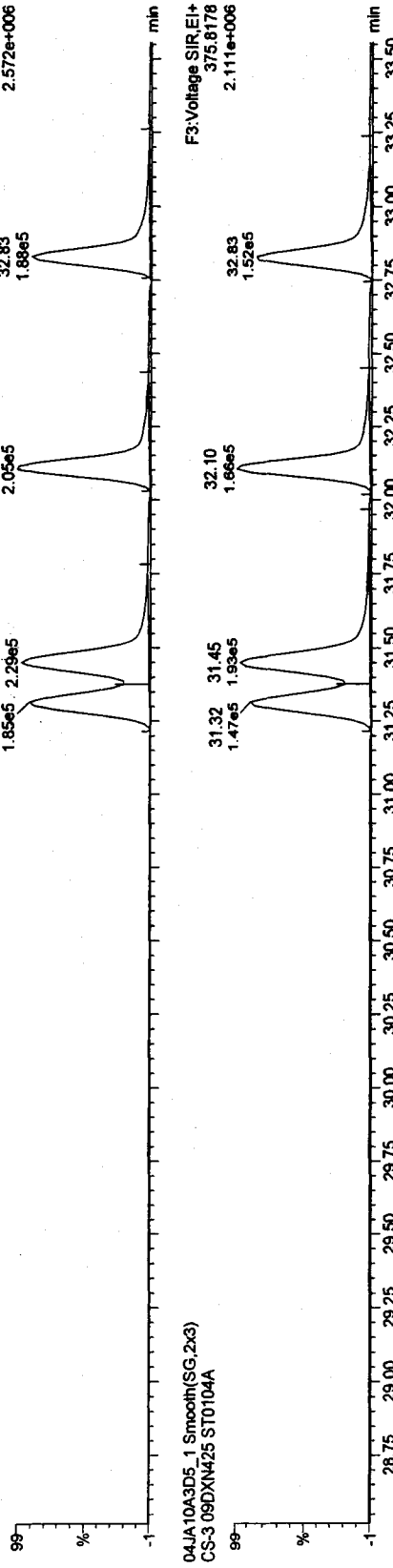
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

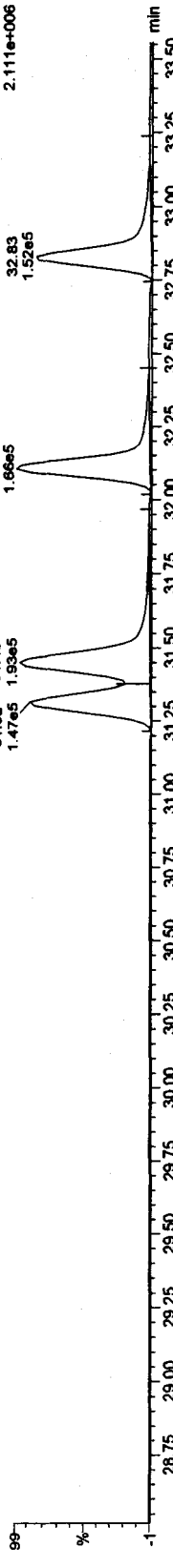
Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

HxCDFs

04JA10A3D5\_1 Smooth(SG.2x3)  
CS-3 09DXN425 ST0104A

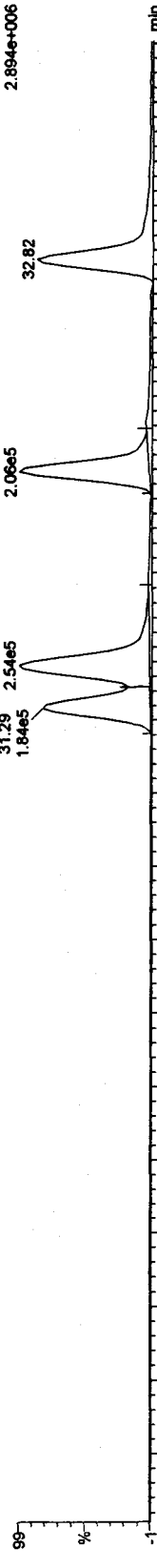


04JA10A3D5\_1 Smooth(SG.2x3)  
CS-3 09DXN425 ST0104A

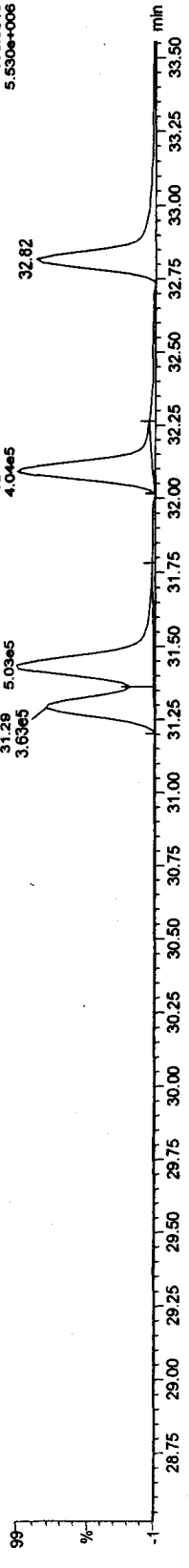


13C-HxCDFs

04JA10A3D5\_1 Smooth(SG.2x3)  
CS-3 09DXN425 ST0104A



04JA10A3D5\_1 Smooth(SG.2x3)  
CS-3 09DXN425 ST0104A



Quantify Sample Report MassLynx 4.1

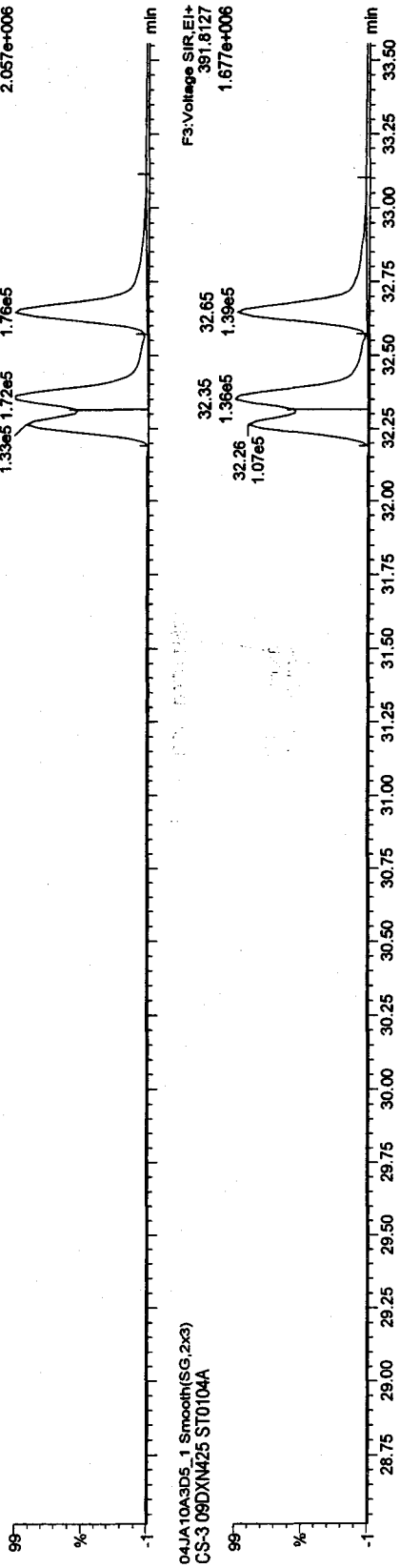
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

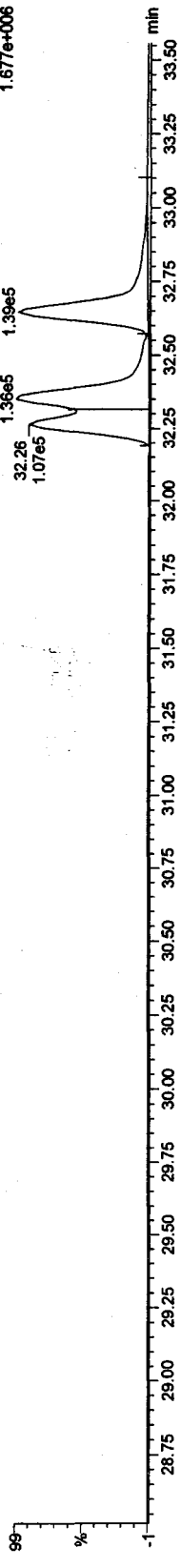
Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

HxCDDs

04JA10A3D5\_1 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104A

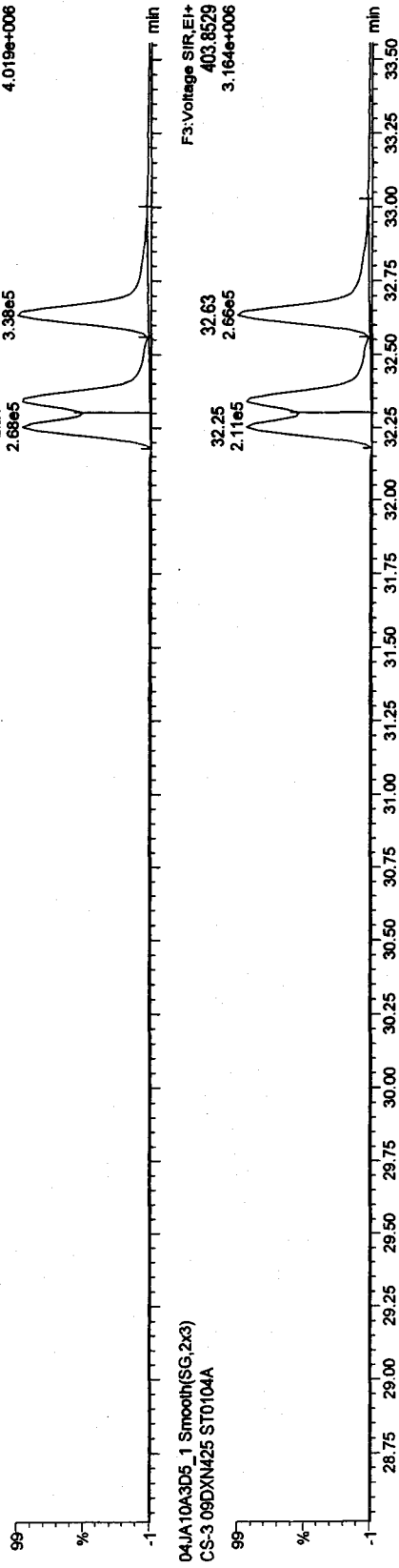


04JA10A3D5\_1 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104A

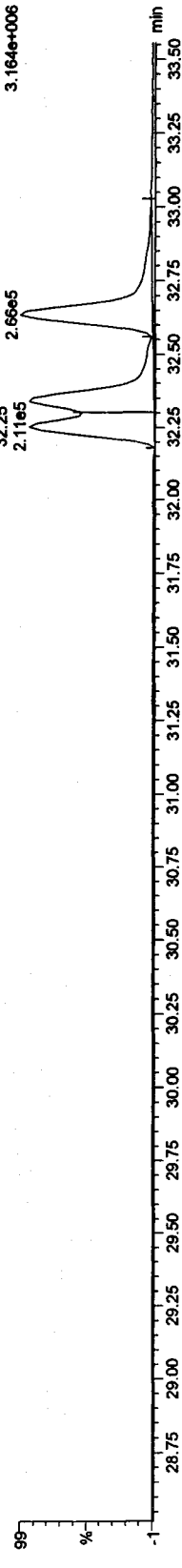


13C-HxCDDs

04JA10A3D5\_1 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104A



04JA10A3D5\_1 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104A



Quantify Sample Report MassLynx 4.1

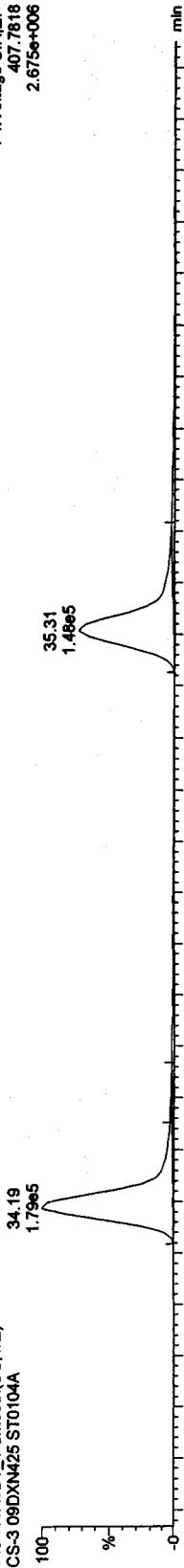
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

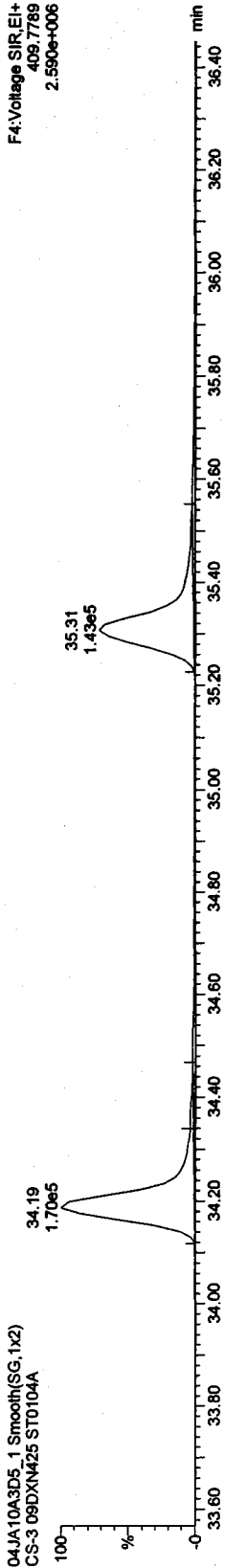
Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

HpCDFs

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

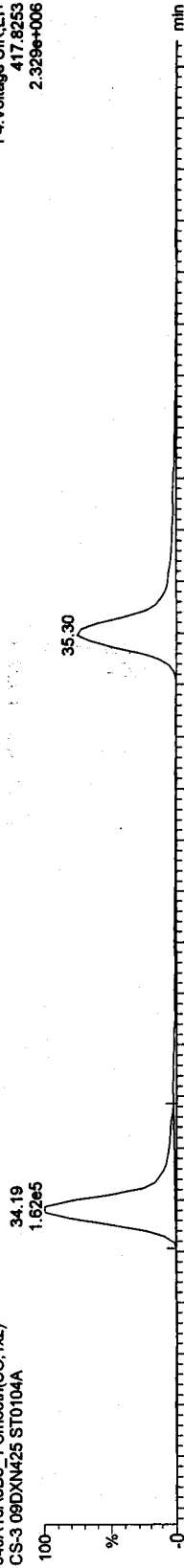


04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

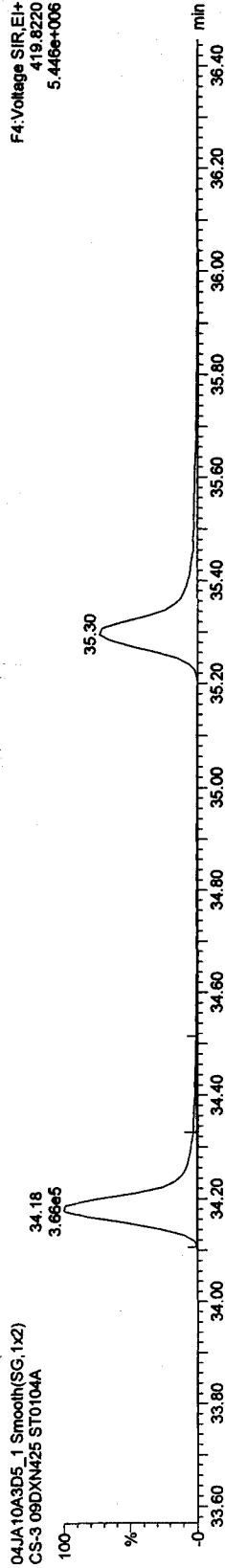


13C-HpCDFs

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



Quantify Sample Report MassLynx 4.1

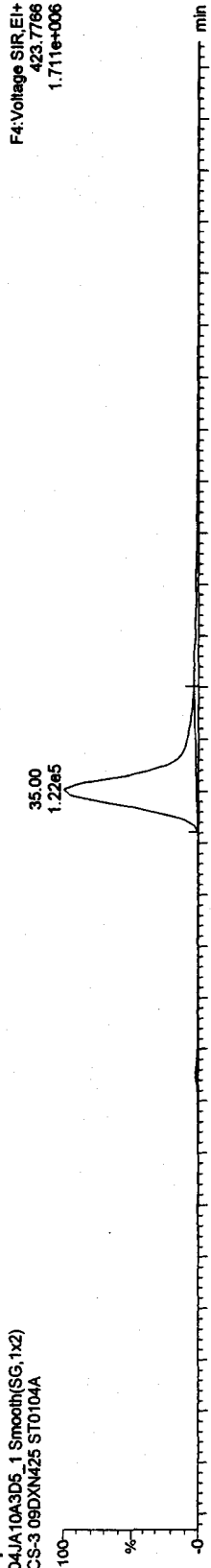
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

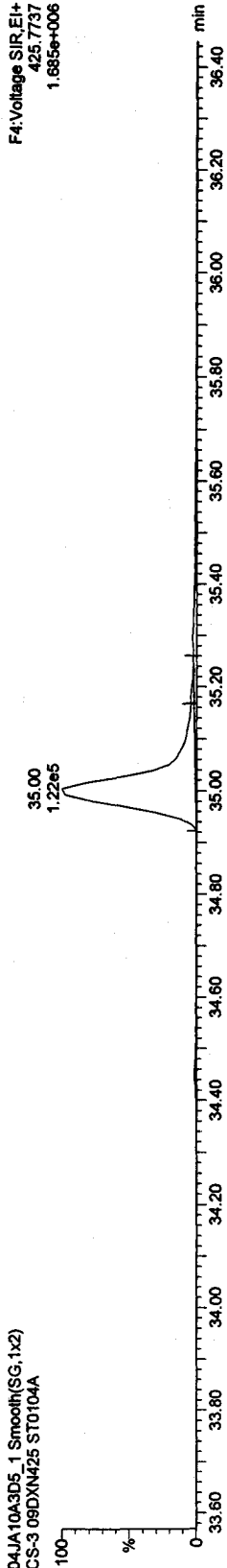
Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

HpCDDs

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

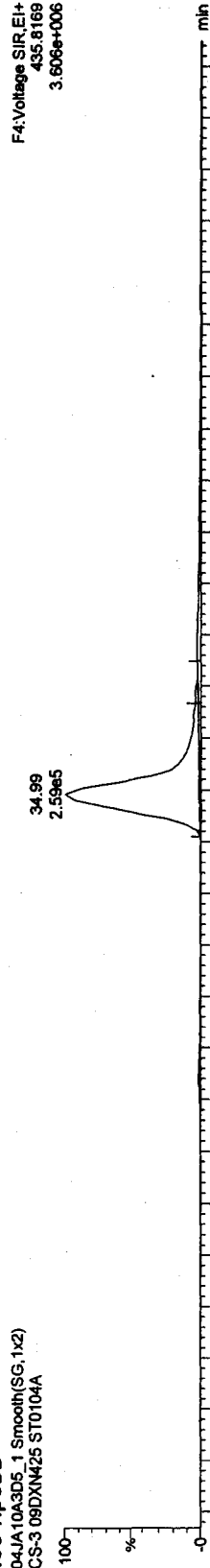


04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

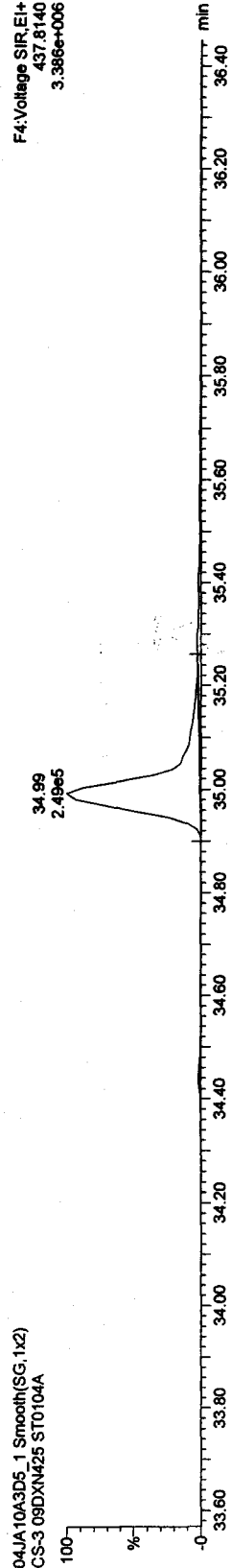


13C-HpCDD

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



Quantify Sample Report MassLynx 4.1

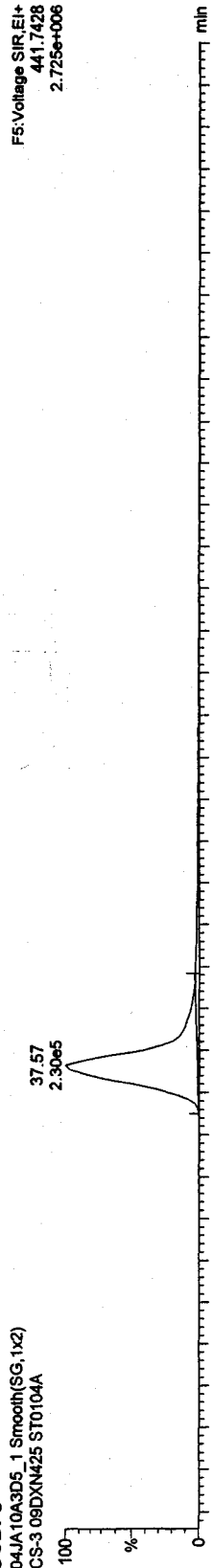
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

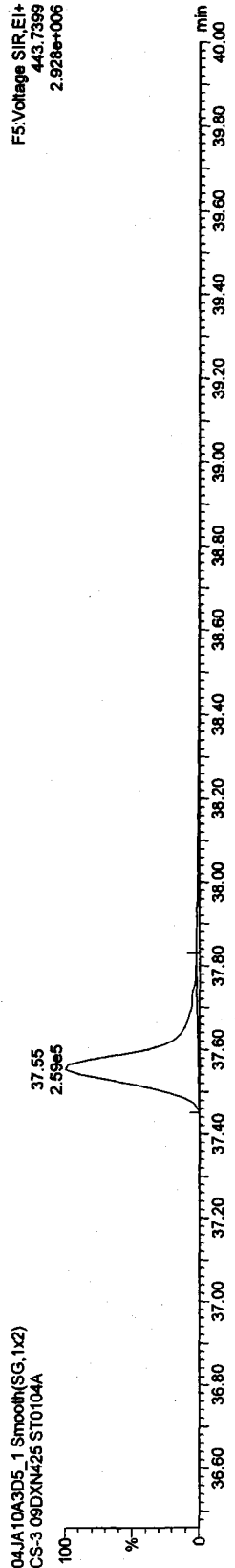
Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

OCDFs

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

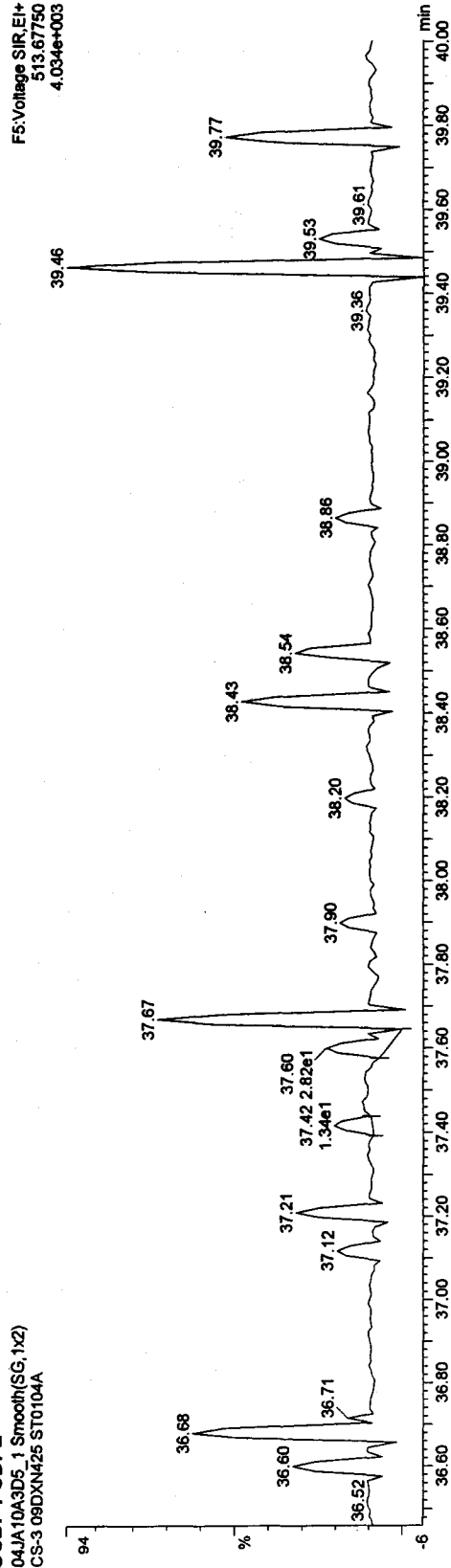


04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



OCDF PCDFE

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

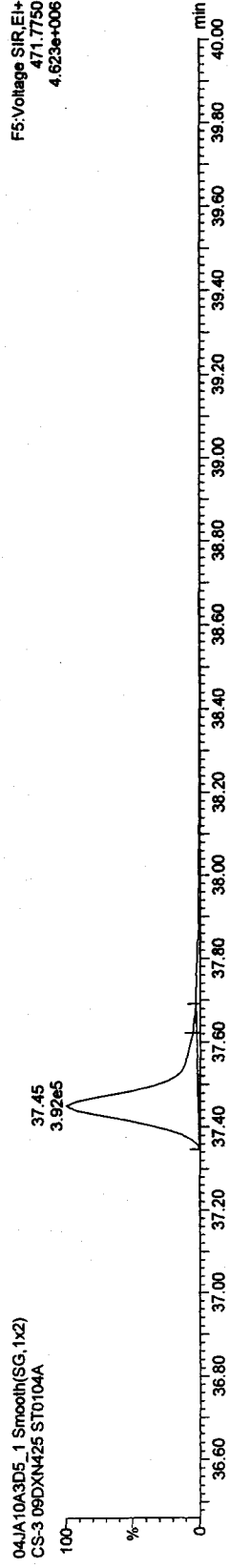
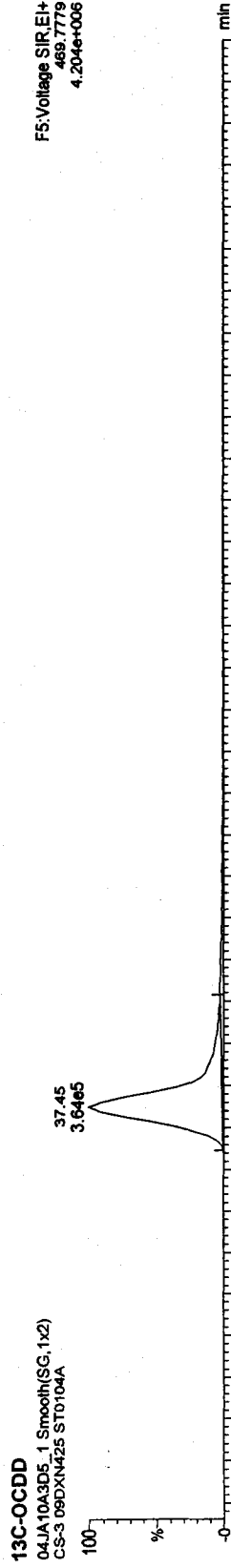
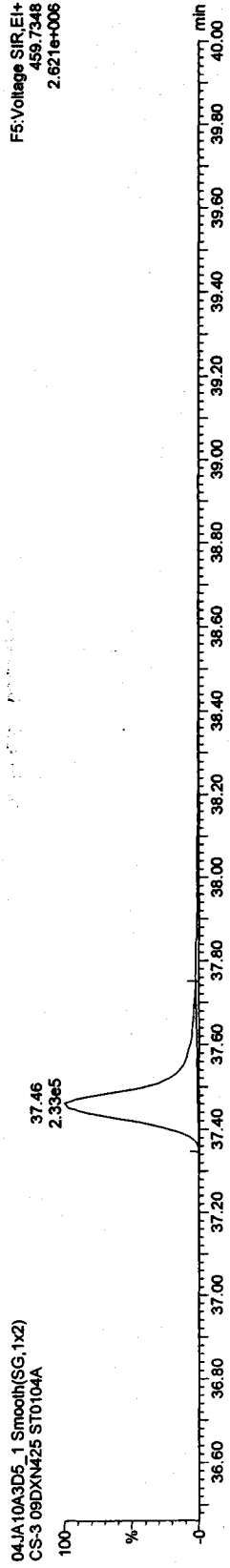
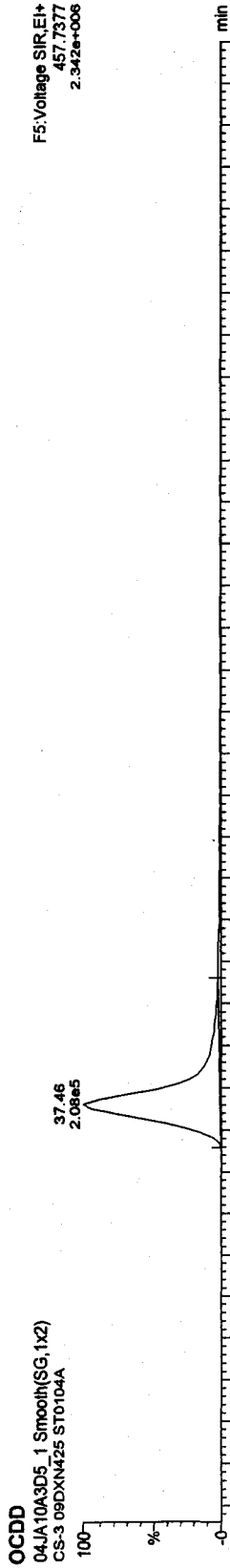


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425



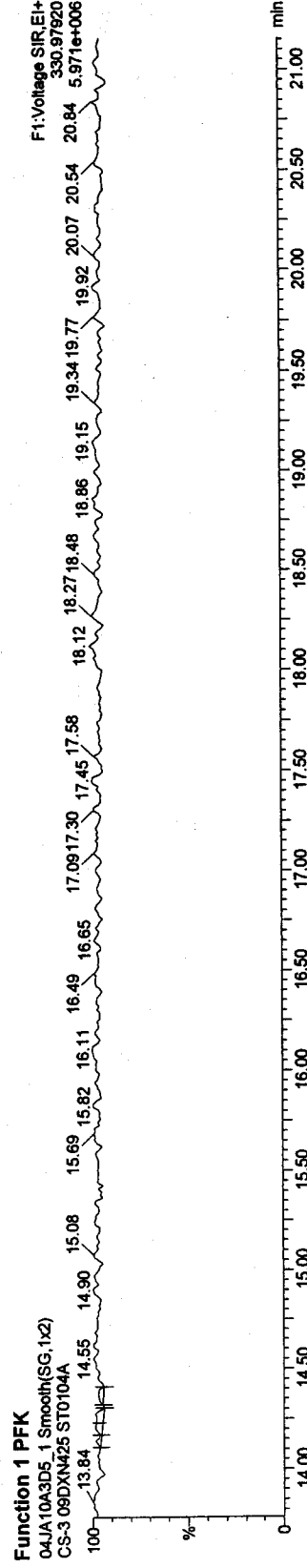
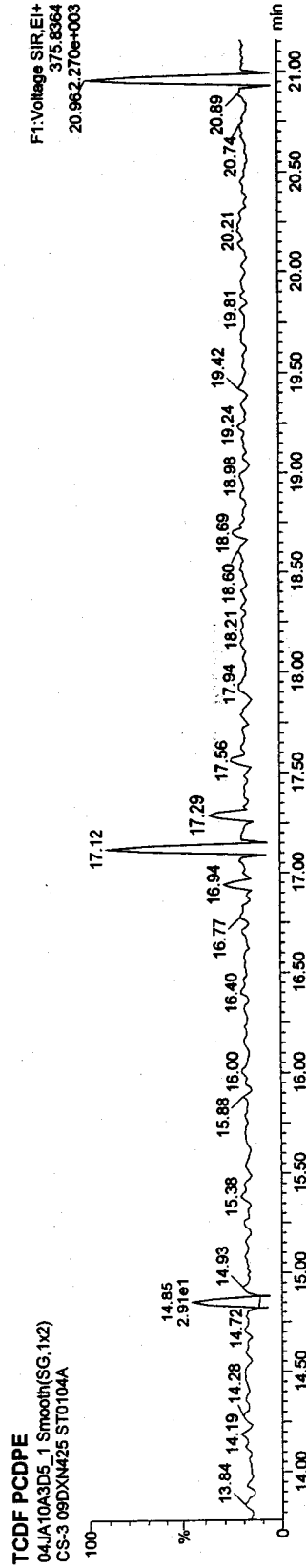
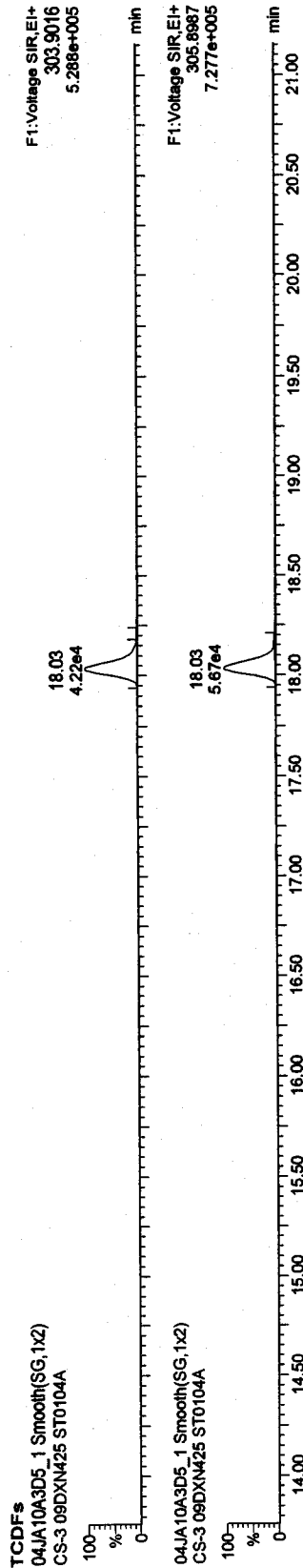


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

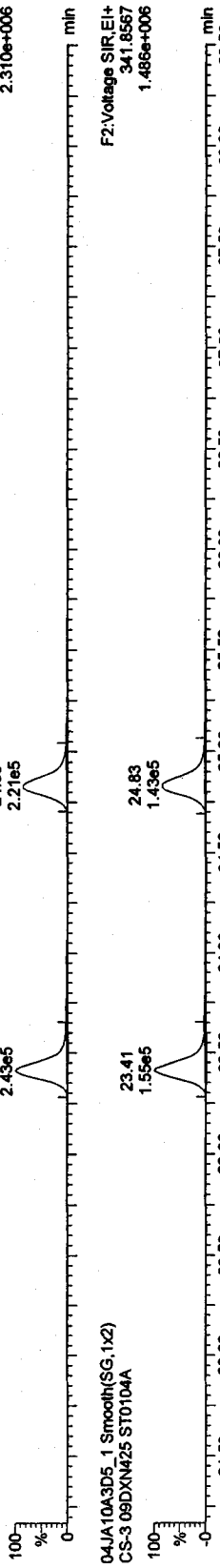
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

PeCDF

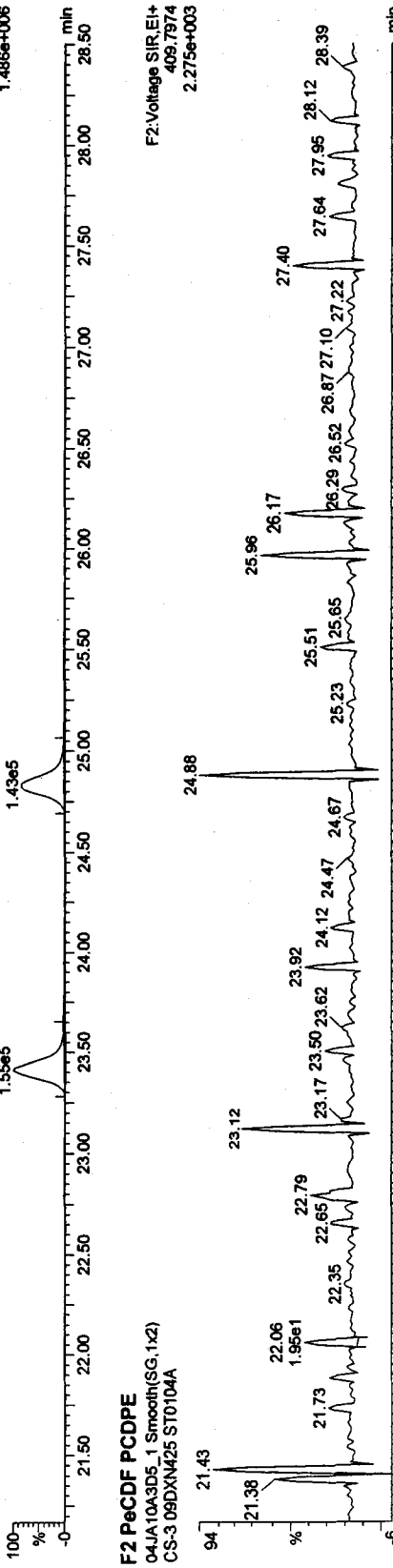
04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

F2:Voltage SIR,EI+  
339.8597  
2.310e+006



04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

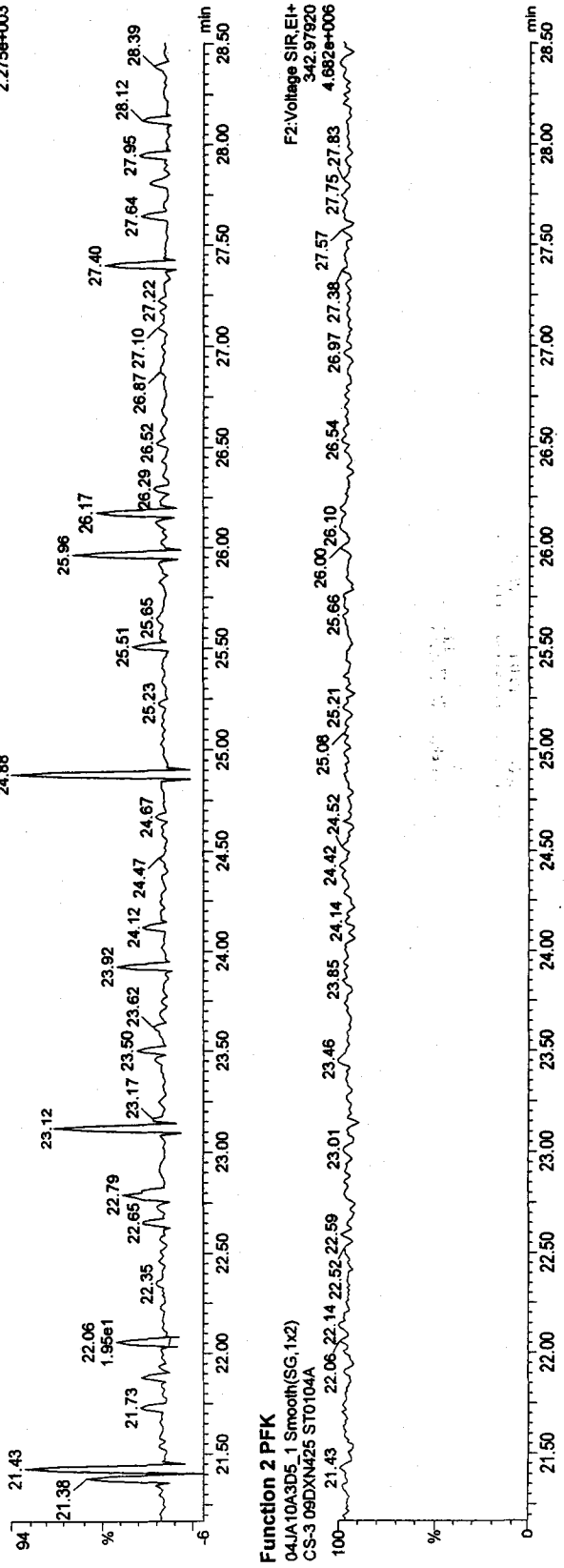
F2:Voltage SIR,EI+  
341.8567  
1.486e+006



Function 2 PFK

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

F2:Voltage SIR,EI+  
409.7974  
2.275e+003



Quantify Sample Report MassLynx 4.1

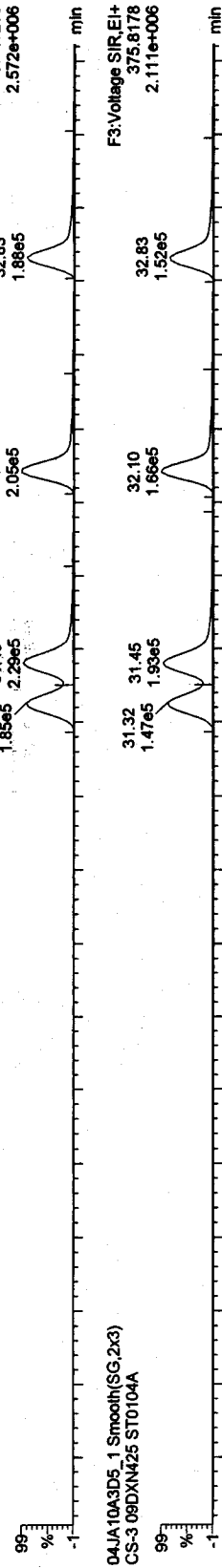
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

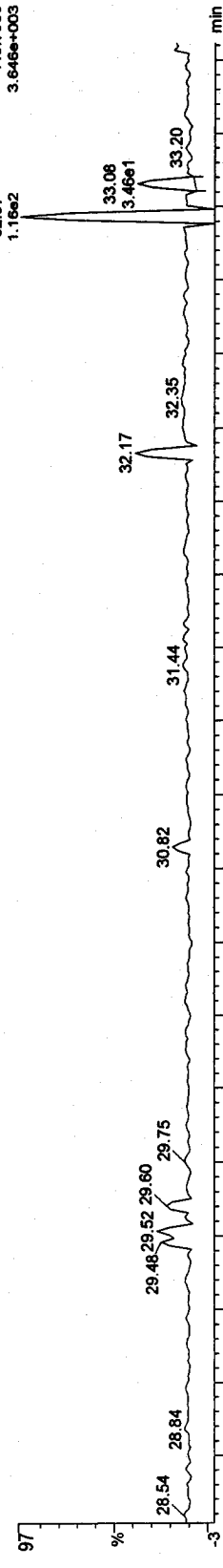
HxCDFs

04JA10A3D5\_1 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104A



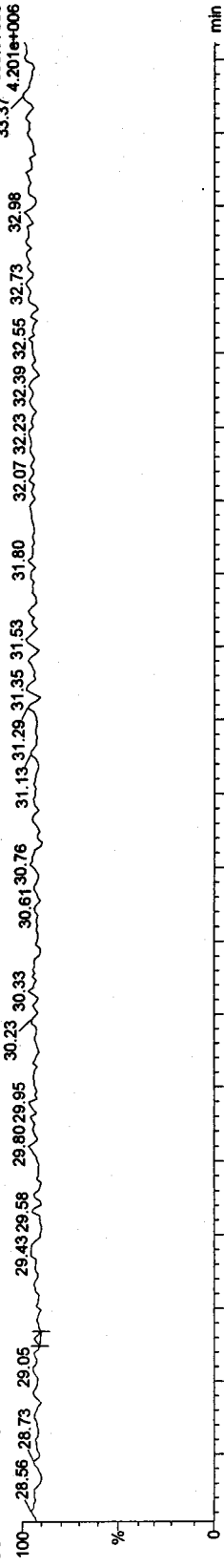
HxCDF PCDFE

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



Function 3 PFK

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A

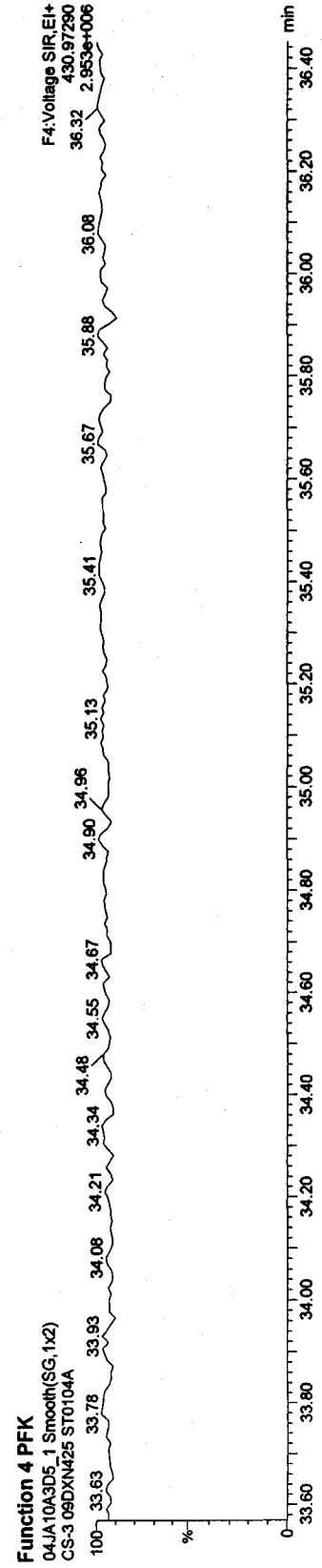
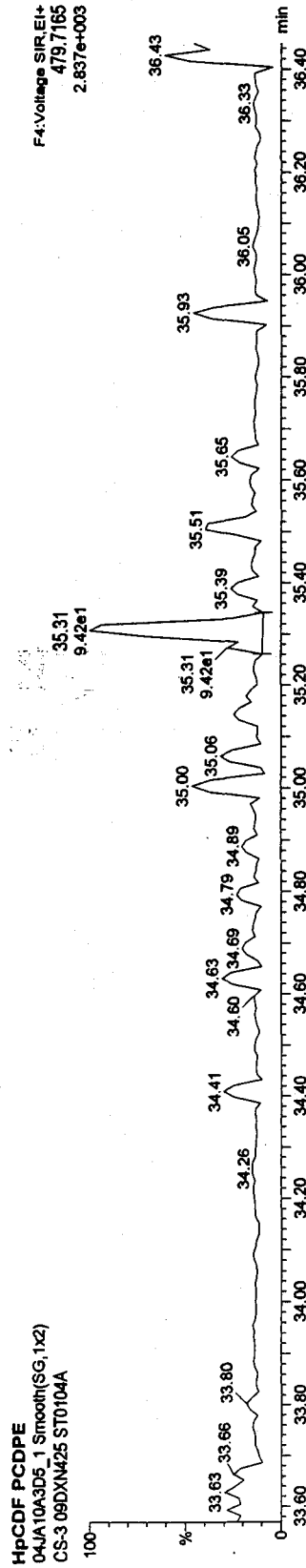
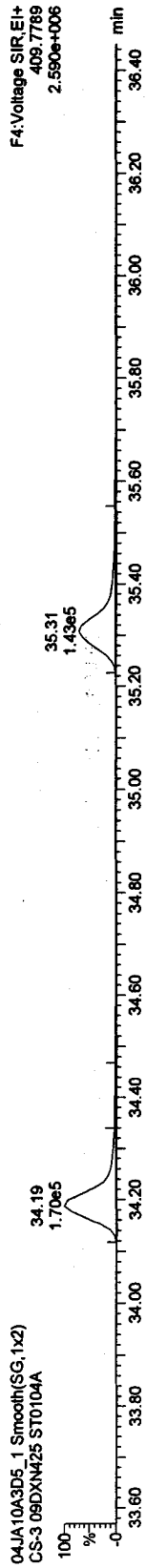
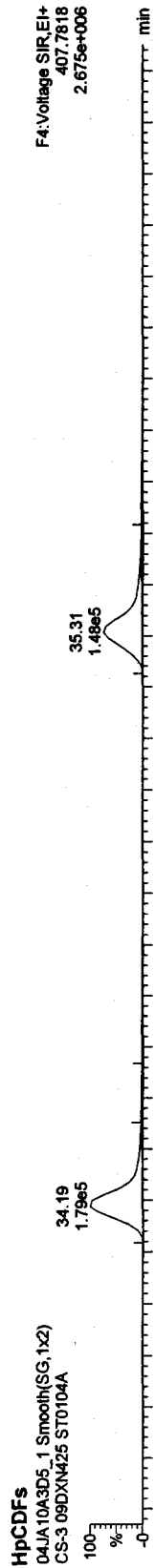


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

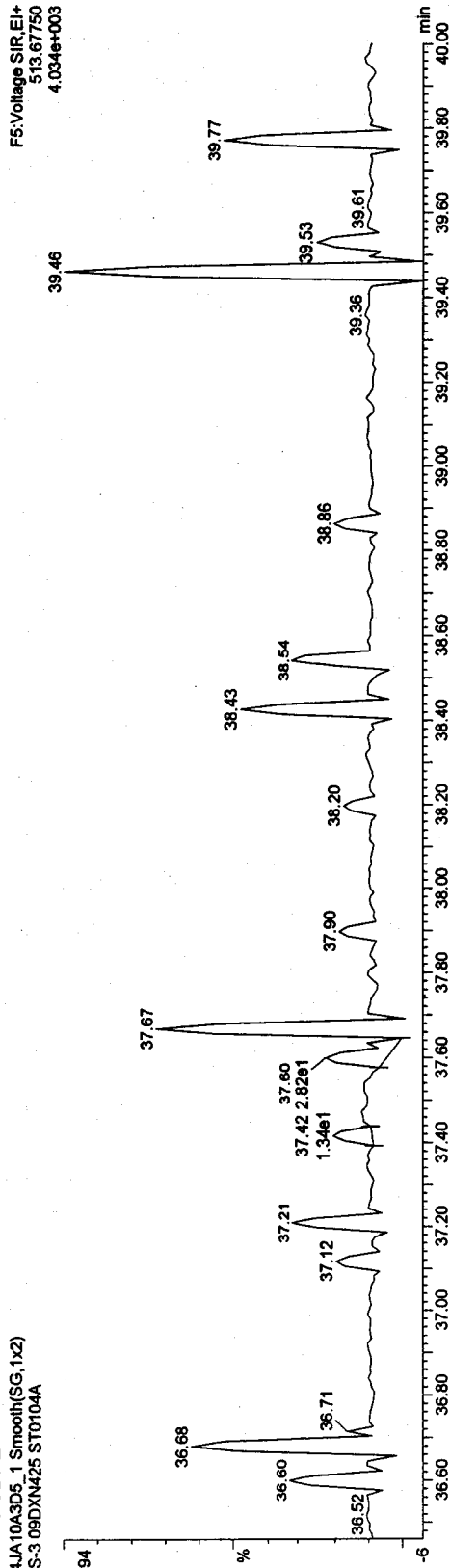
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_1, Date: 04-Jan-2010, Time: 16:27:17, ID: ST0104A, Description: CS-3 09DXN425

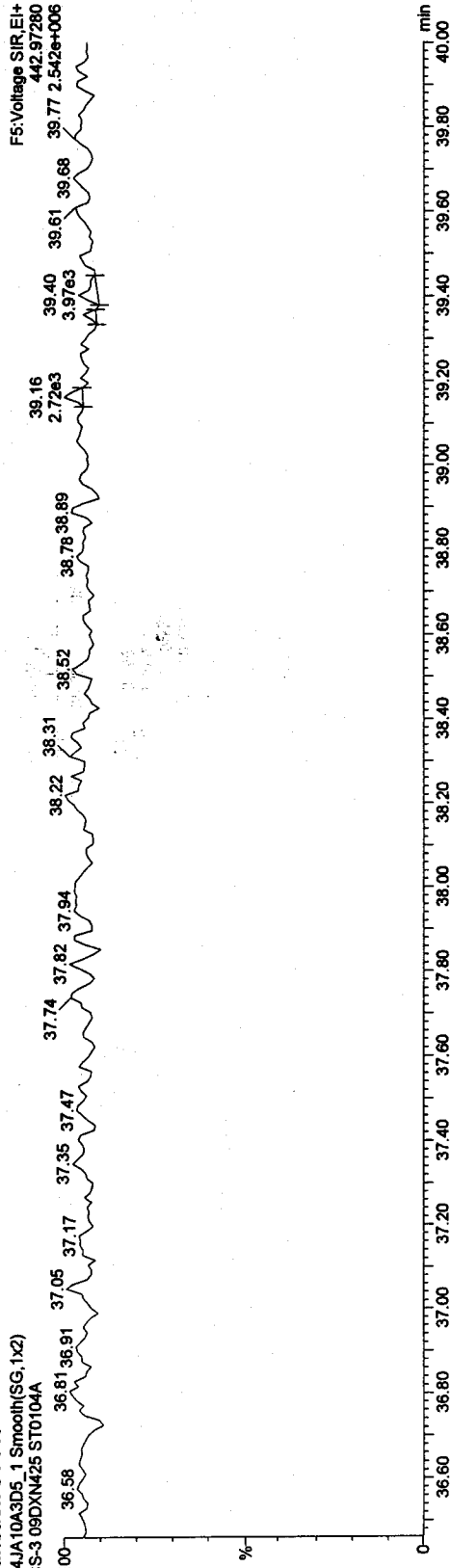
OCDF PCDPE

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



Function 5 PFK

04JA10A3D5\_1 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104A



Quantify Sample Report MassLynx 4.1

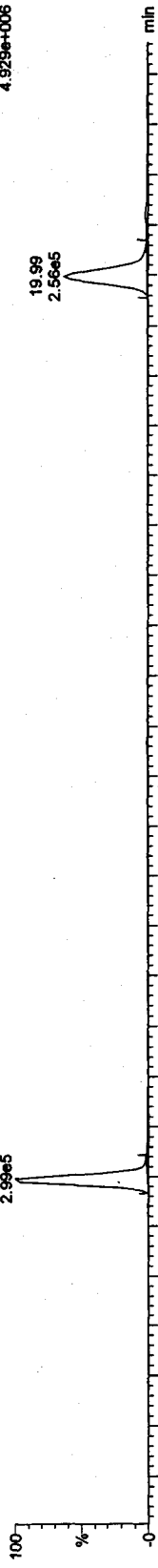
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

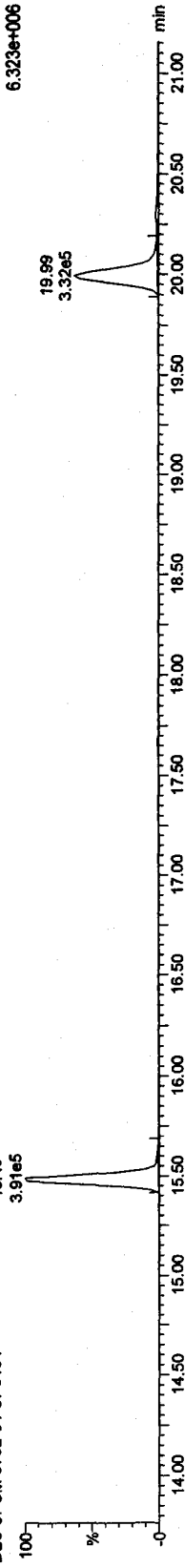
Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

TCDFs

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

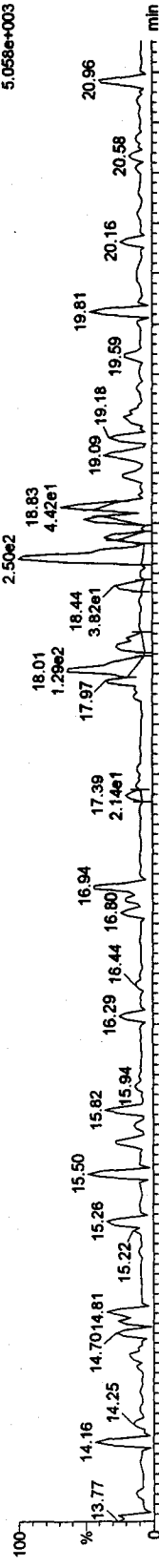


04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

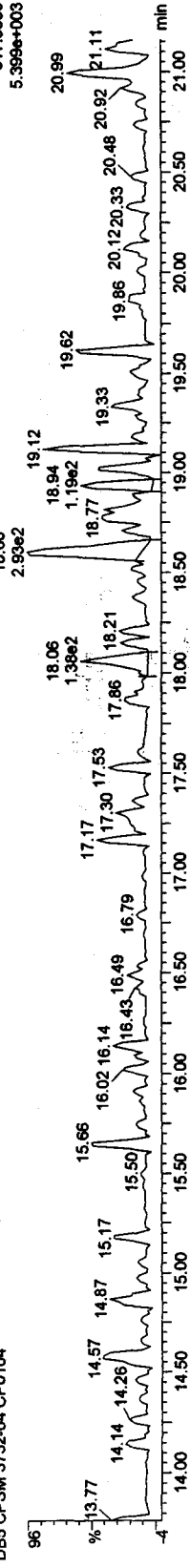


13C-TCDF

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

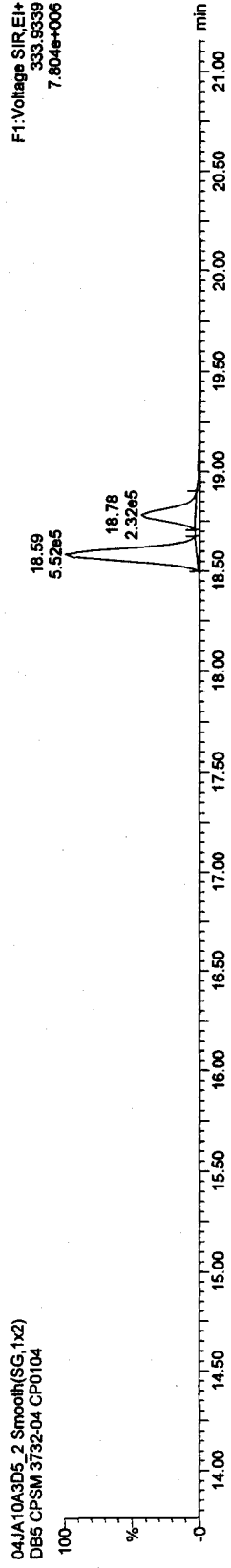
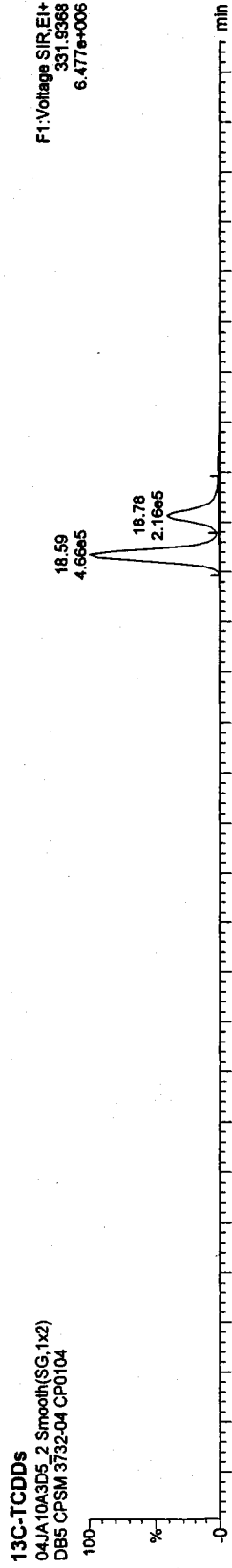
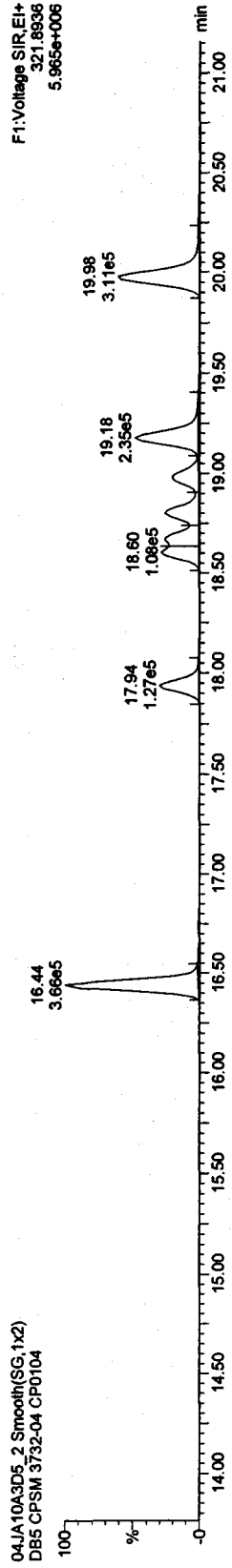
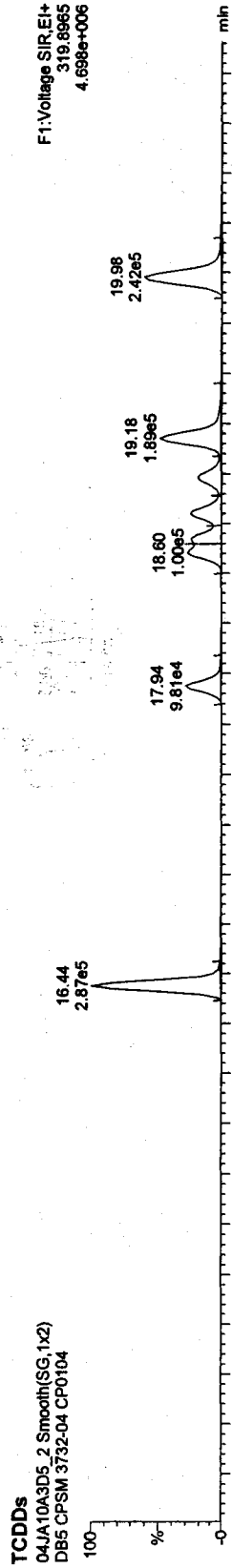


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

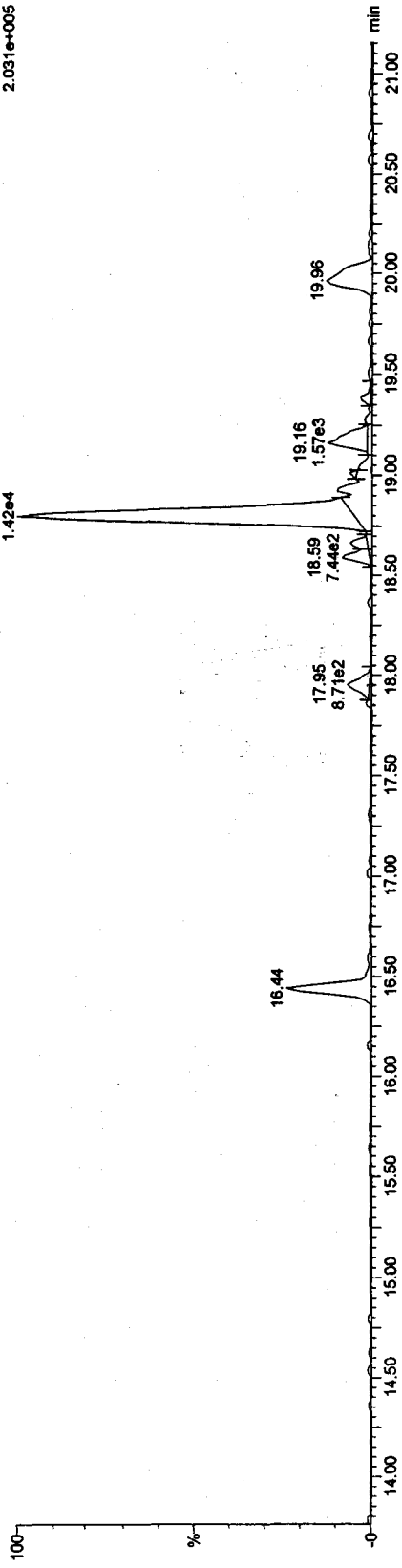
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

37CL-2,3,7,8-TCDD

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

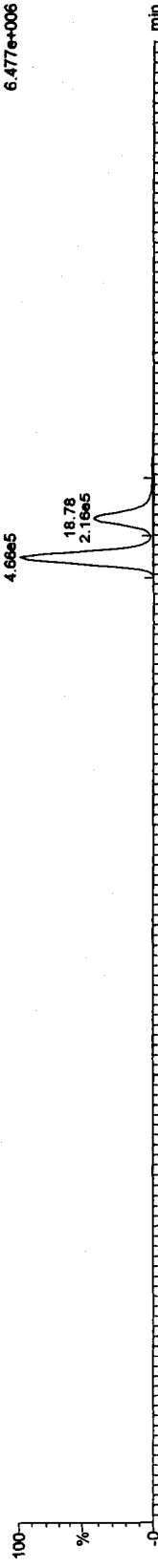
F1:Voltage SIR.EI+  
327.8647  
2.031e+005



13C-TCDDs

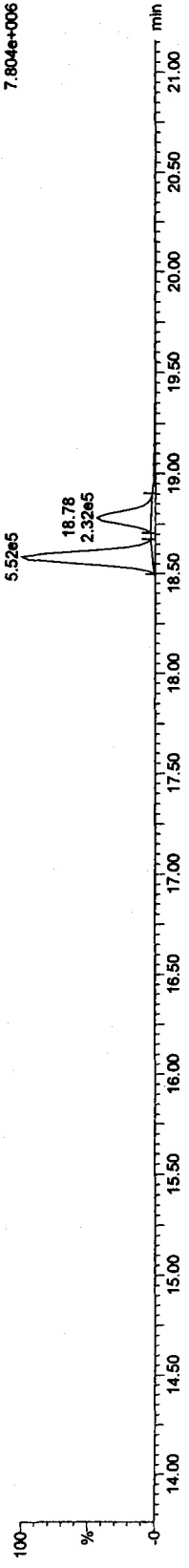
04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

F1:Voltage SIR.EI+  
331.9368  
6.477e+006



04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

F1:Voltage SIR.EI+  
333.9339  
7.804e+006



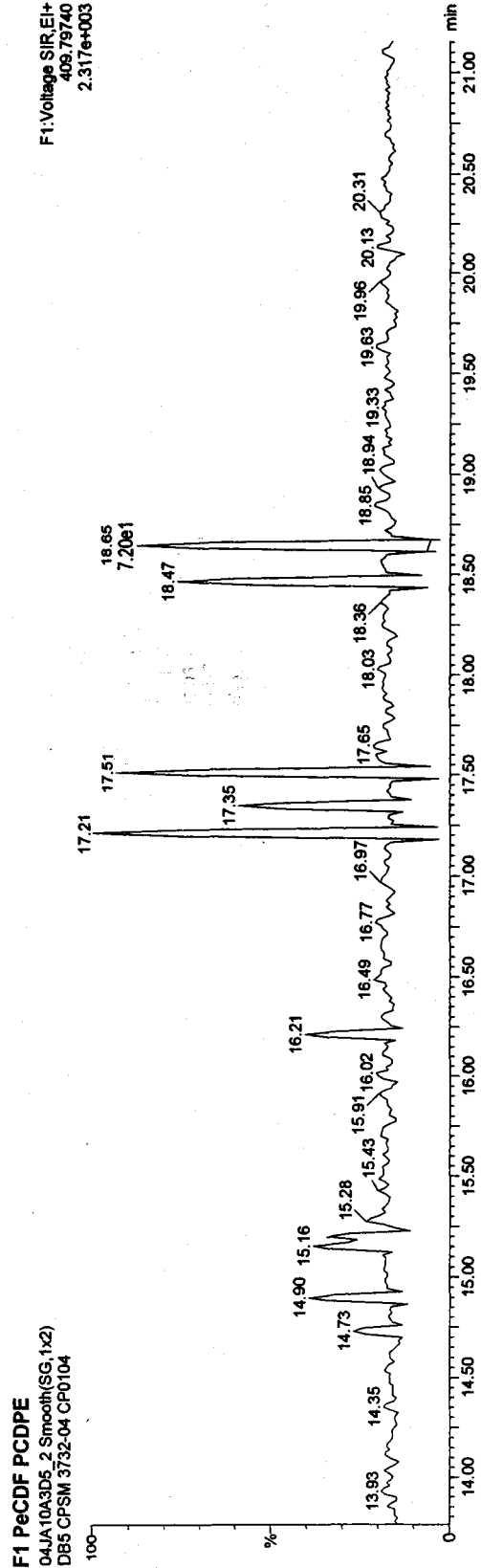
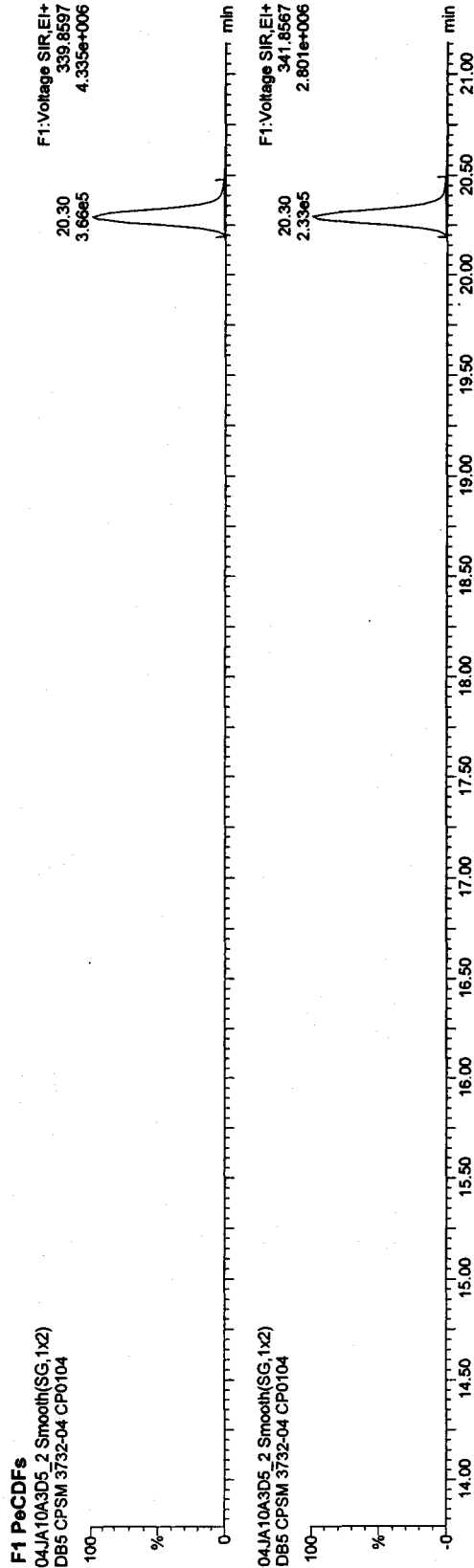


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04



2.131 25.00 91.1

Quantify Sample Report MassLynx 4.1

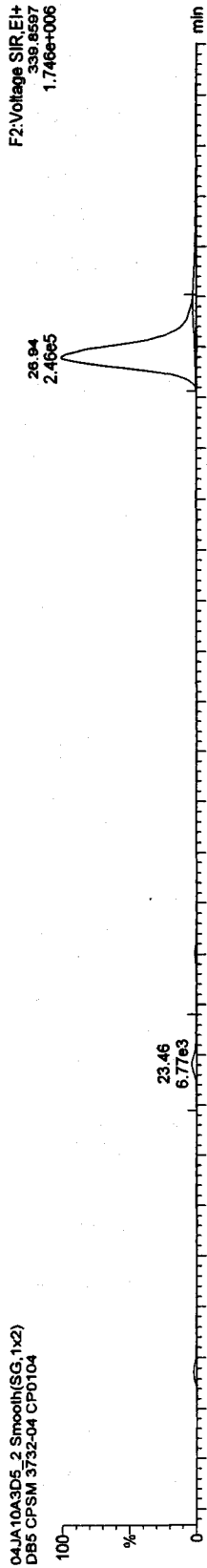
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

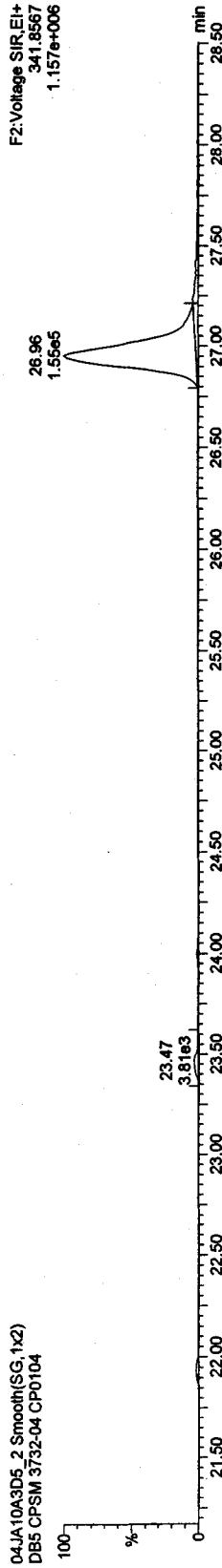
Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

PeCDFs

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

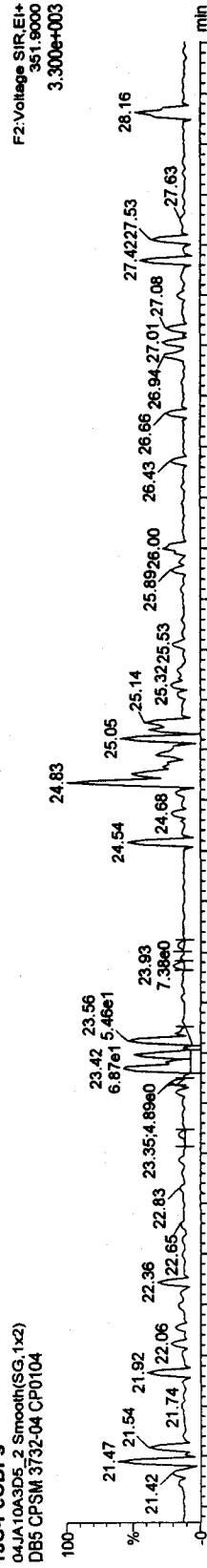


04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

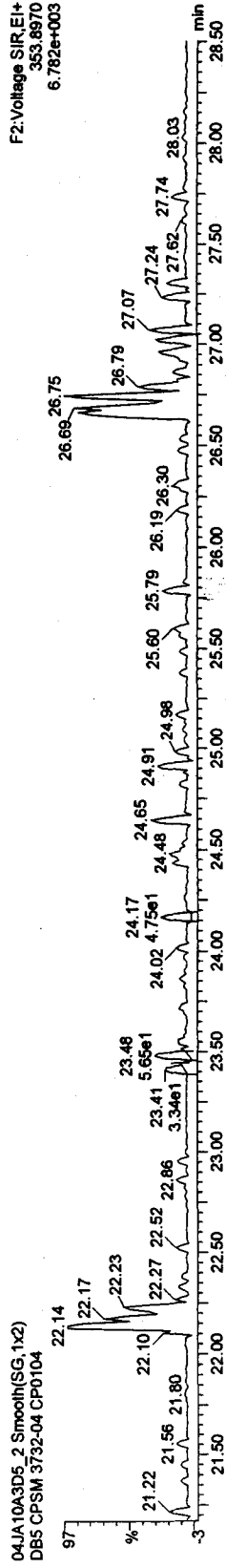


13C-PeCDFs

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

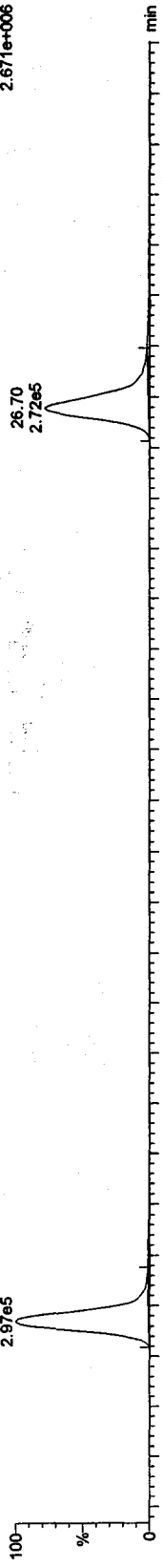
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

PeCDDs

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104 22.17

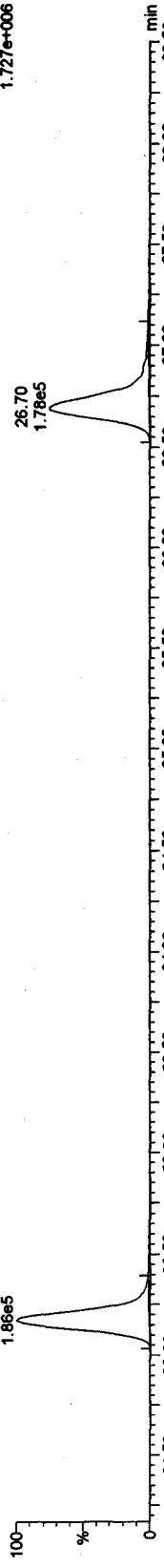
2.97e5



F2:Voltage SIR.EI+  
355.6546  
2.671e+006

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104 22.17

1.86e5

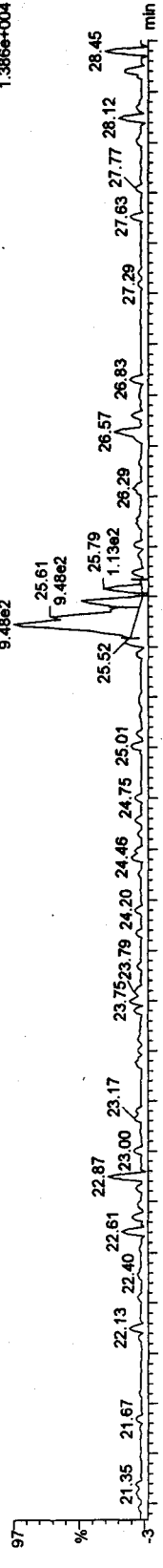


F2:Voltage SIR.EI+  
357.8516  
1.727e+006

13C-PeCDD

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

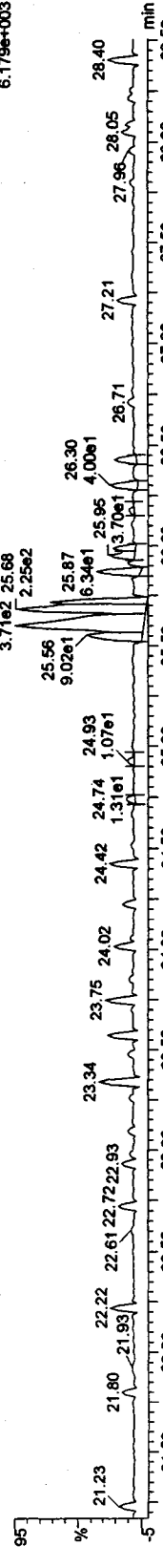
97



F2:Voltage SIR.EI+  
367.8949  
1.386e+004

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

95



F2:Voltage SIR.EI+  
369.8919  
6.179e+003

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro04\JA10A3D58290A.qld

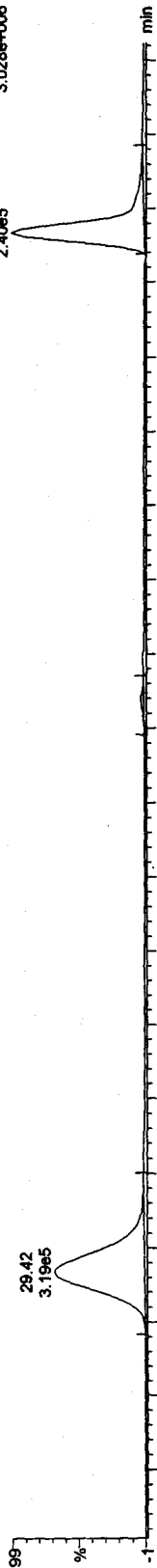
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

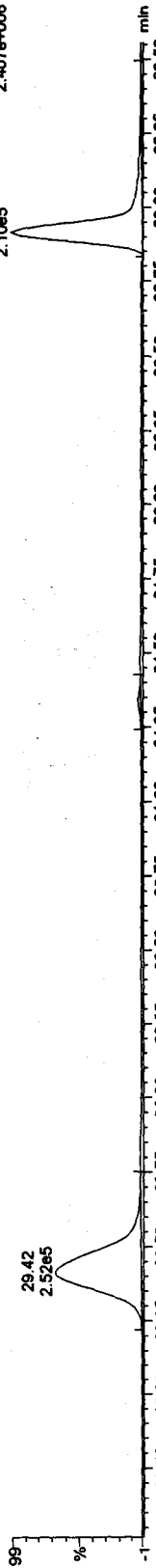
Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

HxCDFs

04JA10A3D5\_2 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP0104

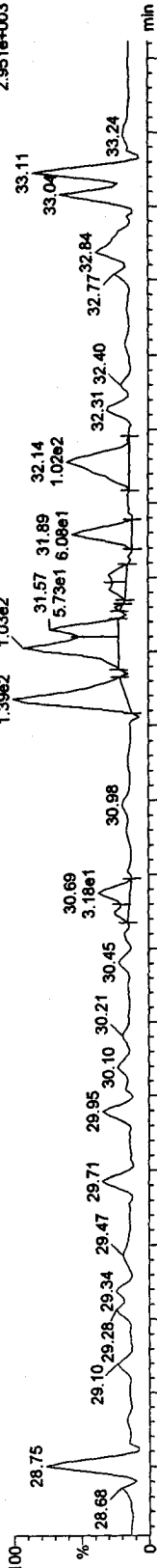


04JA10A3D5\_2 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP0104

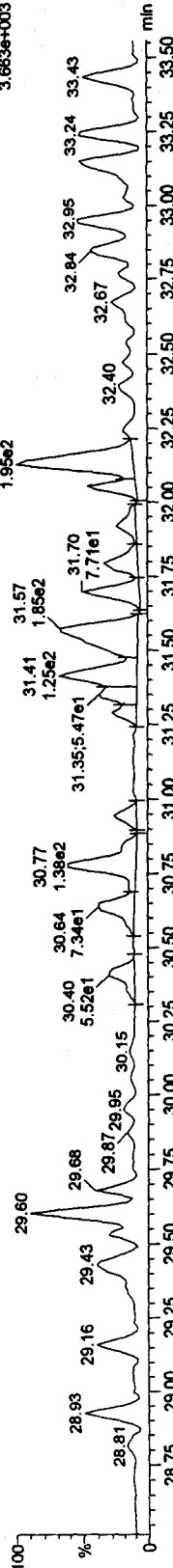


13C-HxCDFs

04JA10A3D5\_2 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP0104



04JA10A3D5\_2 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP0104

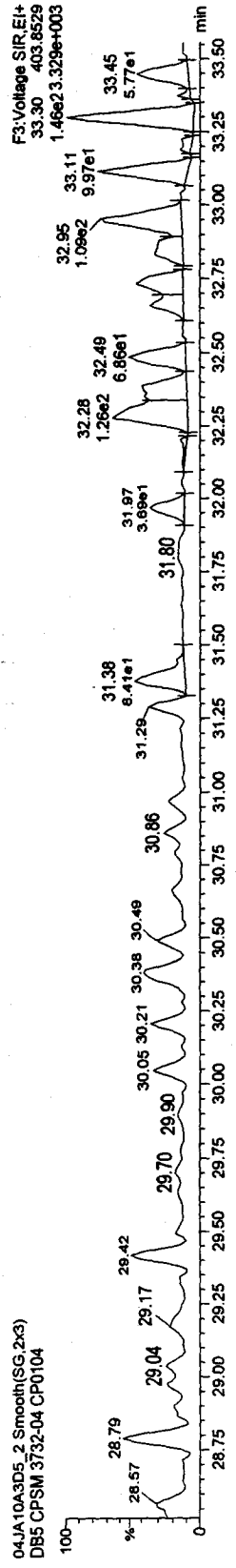
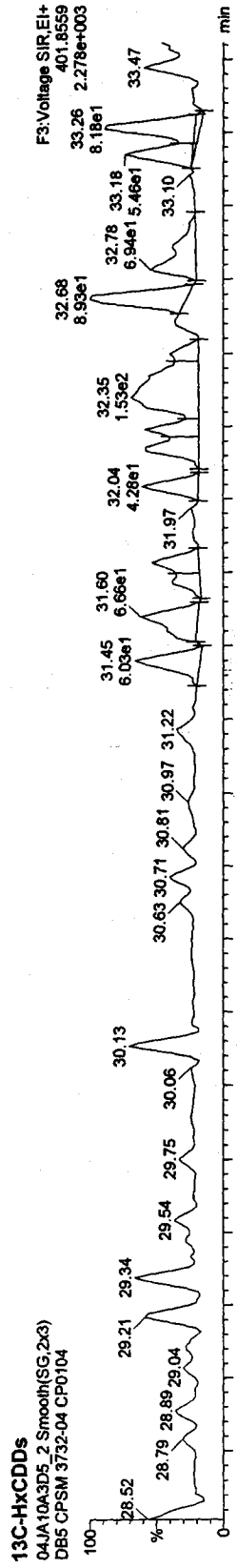
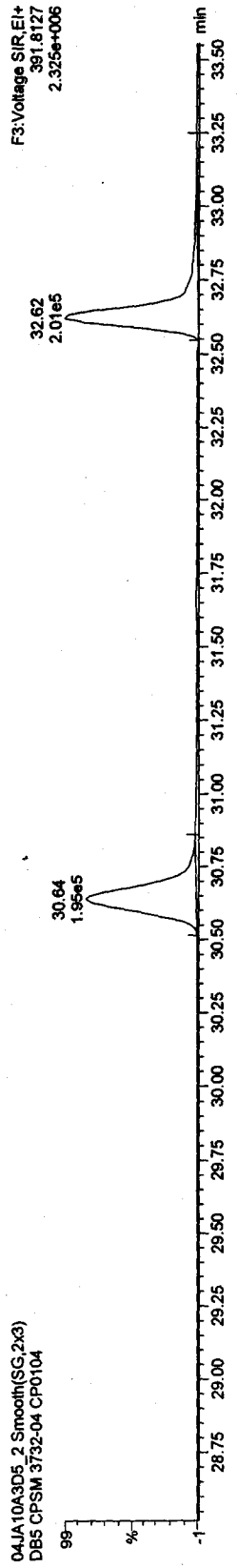
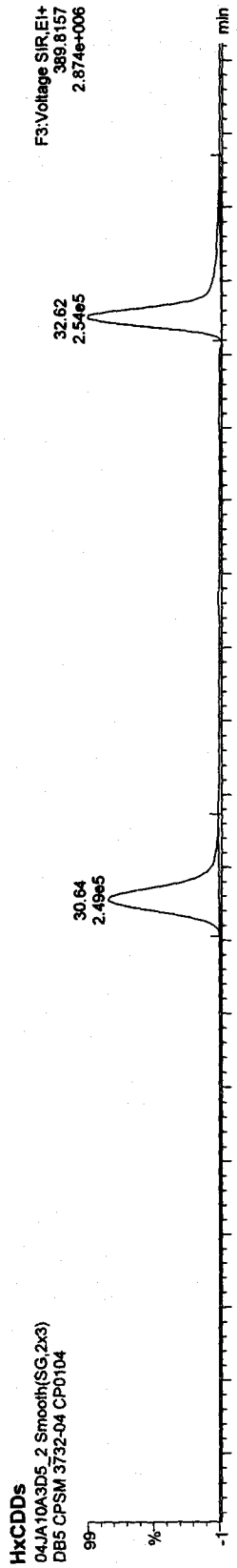


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04



Quantify Sample Report MassLynx 4.1

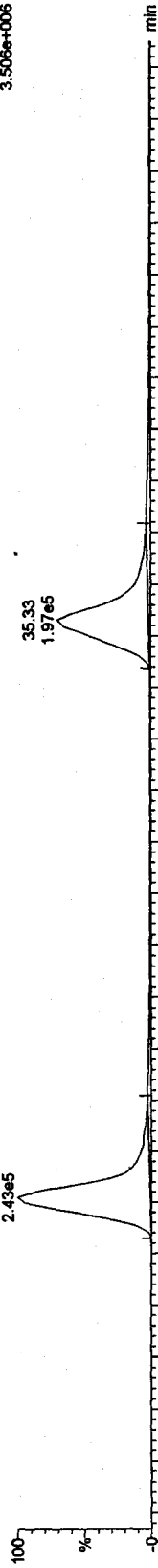
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

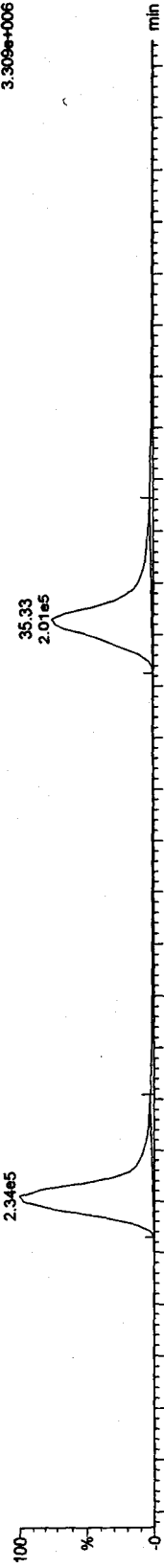
Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

HpCDFs

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

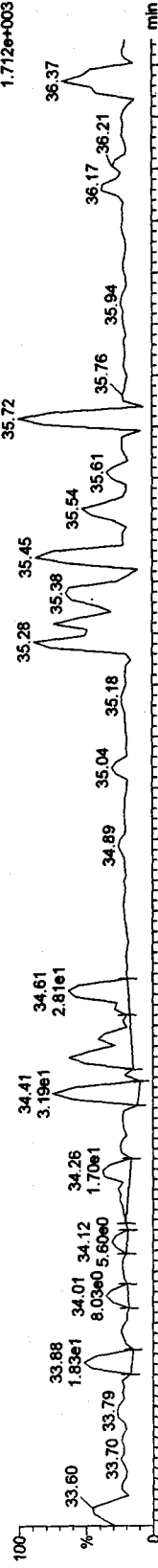


04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

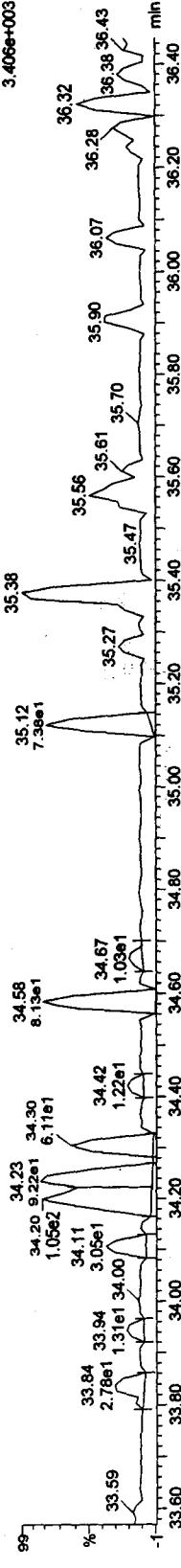


13C-HpCDFs

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

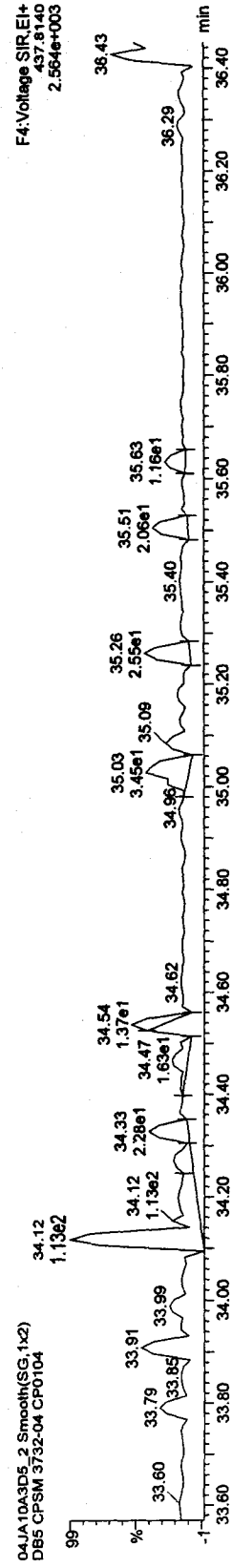
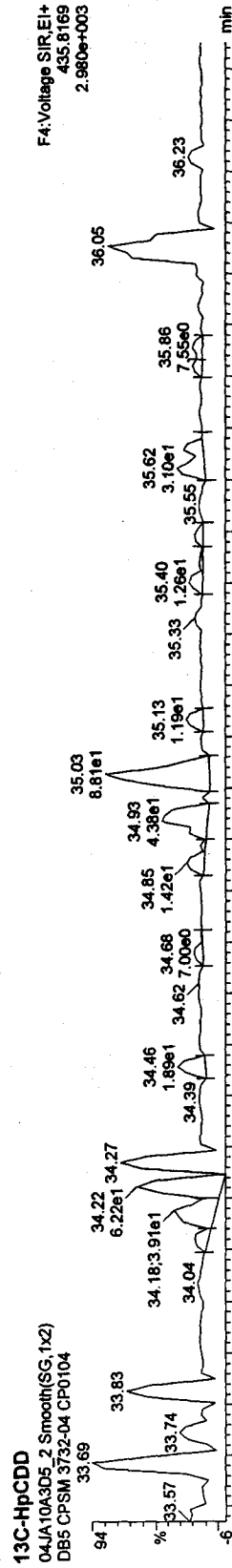
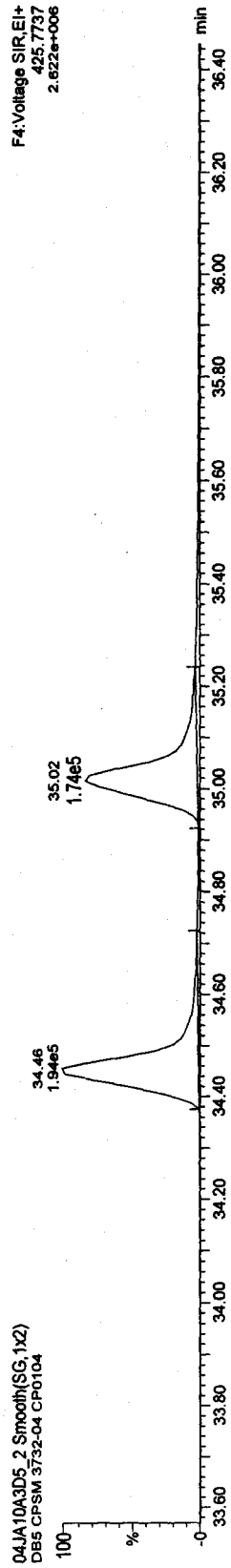
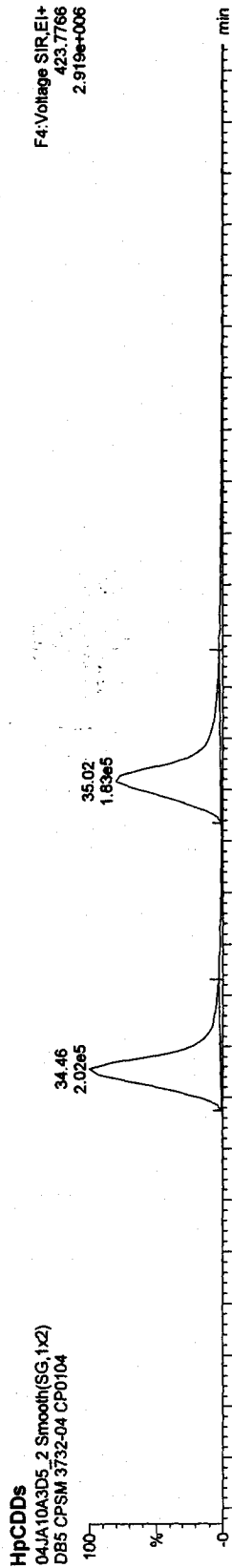


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04



Quantify Sample Report MassLynx 4.1

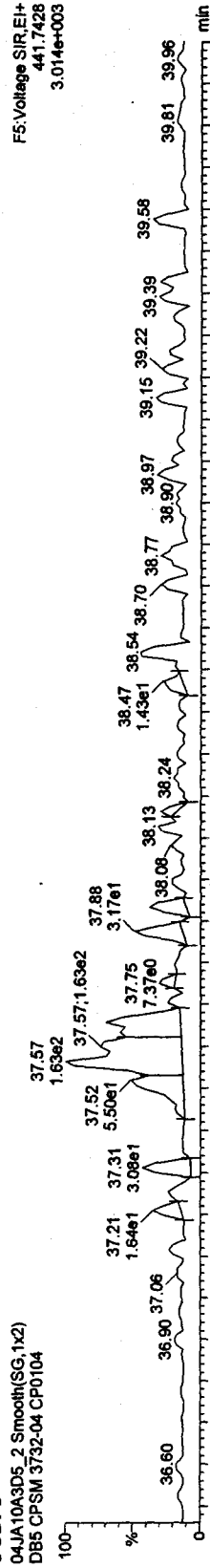
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

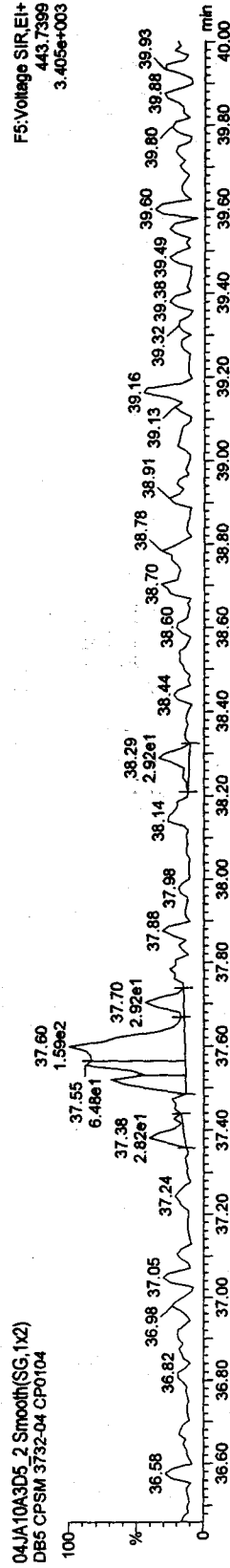
Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

OCDFs

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

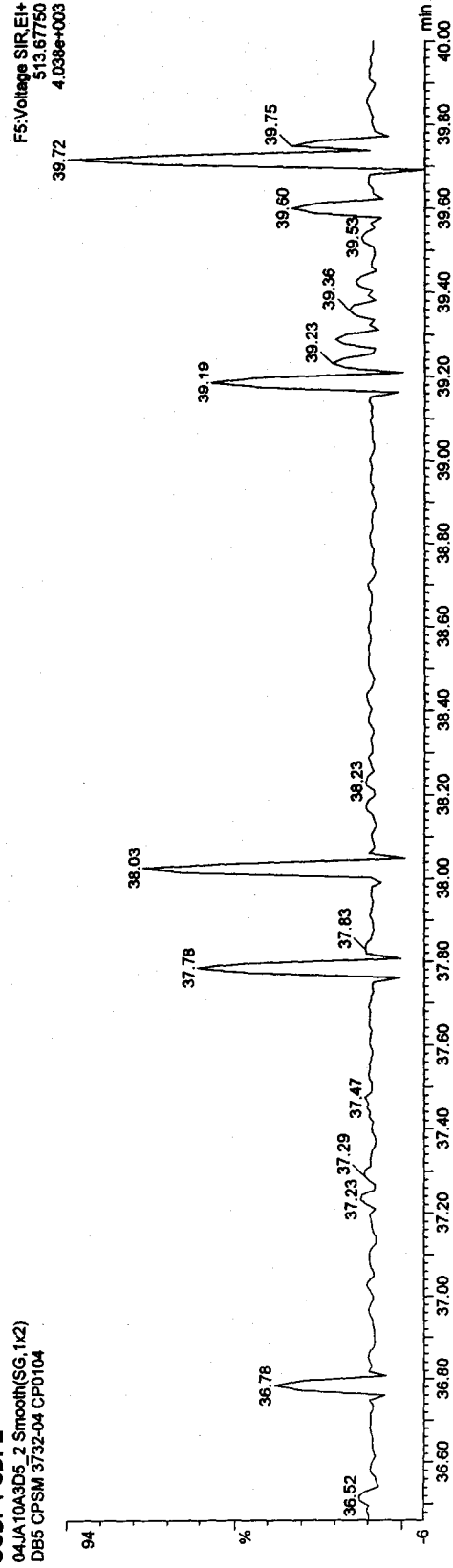


04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



OCDF PCDFE

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



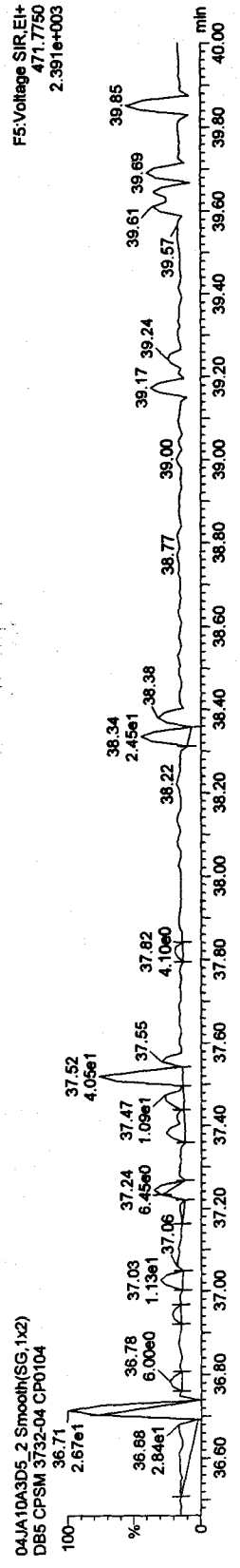
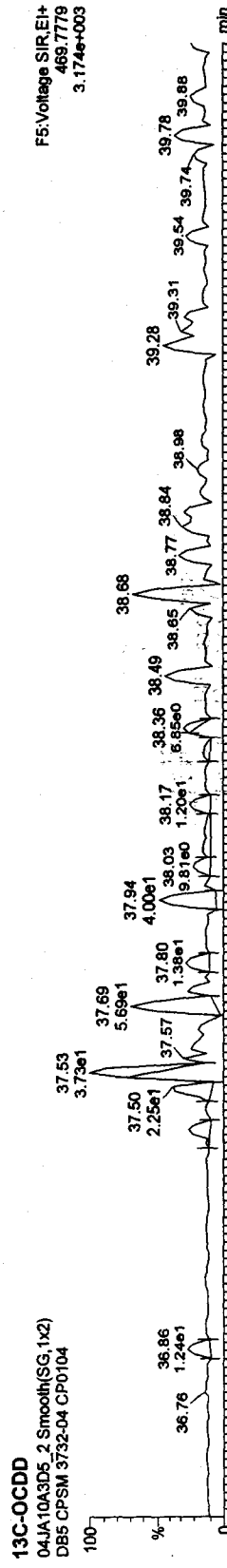
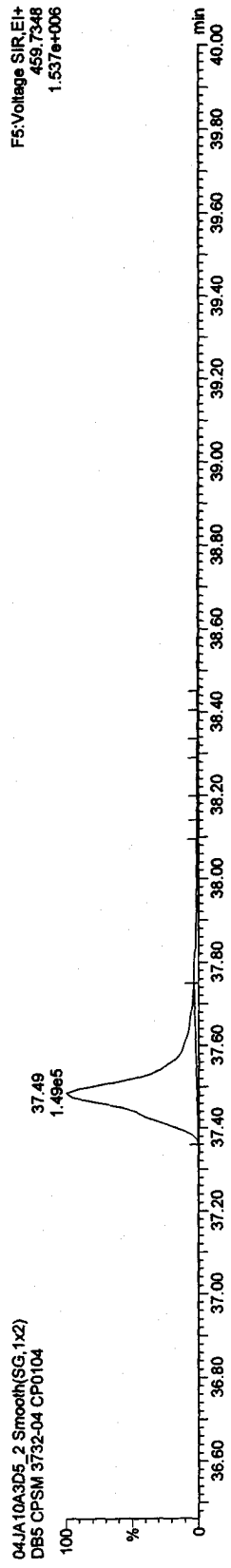
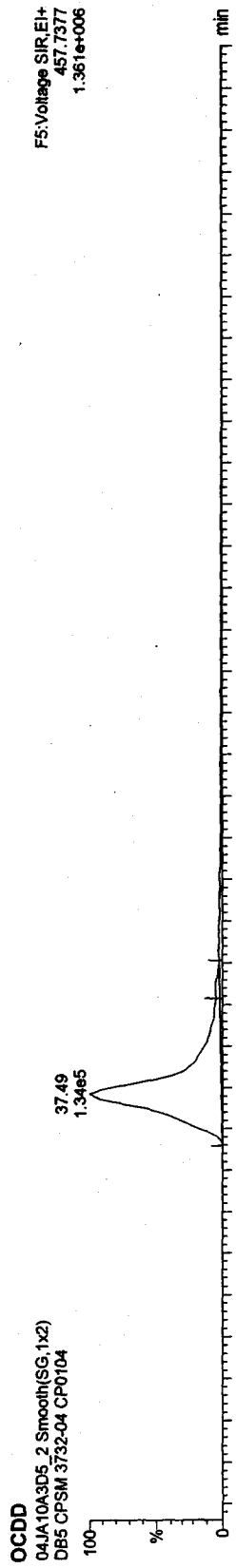


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04



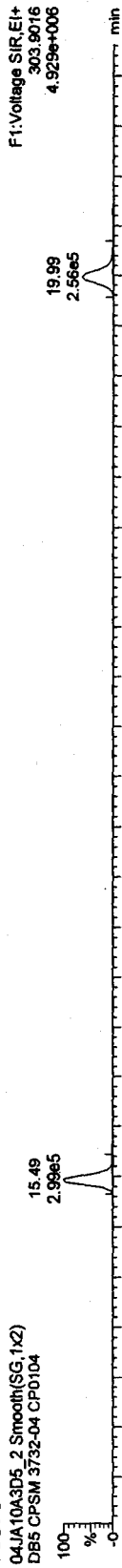
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

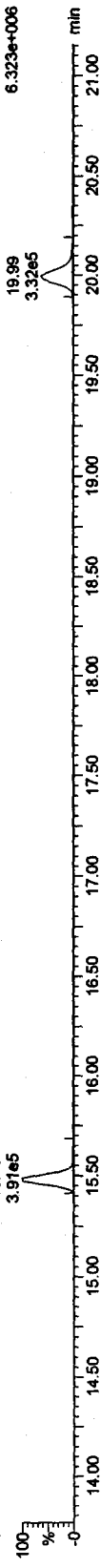
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

TCDFs

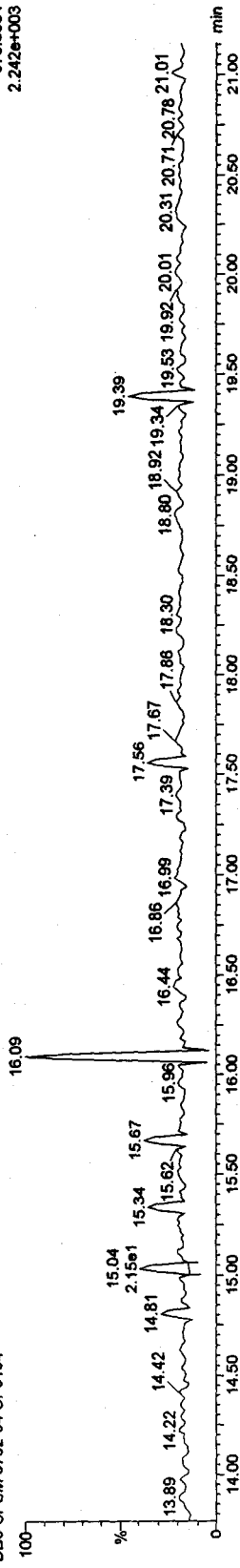


04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



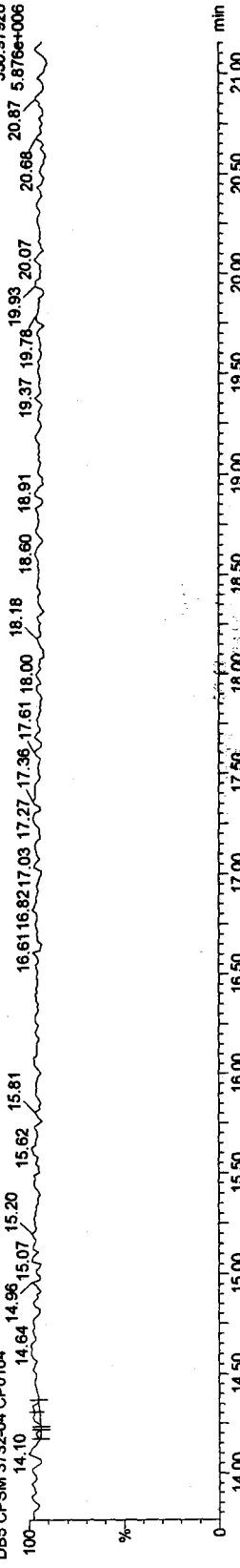
TCDF PCDFE

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



Function 1 PFK

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104

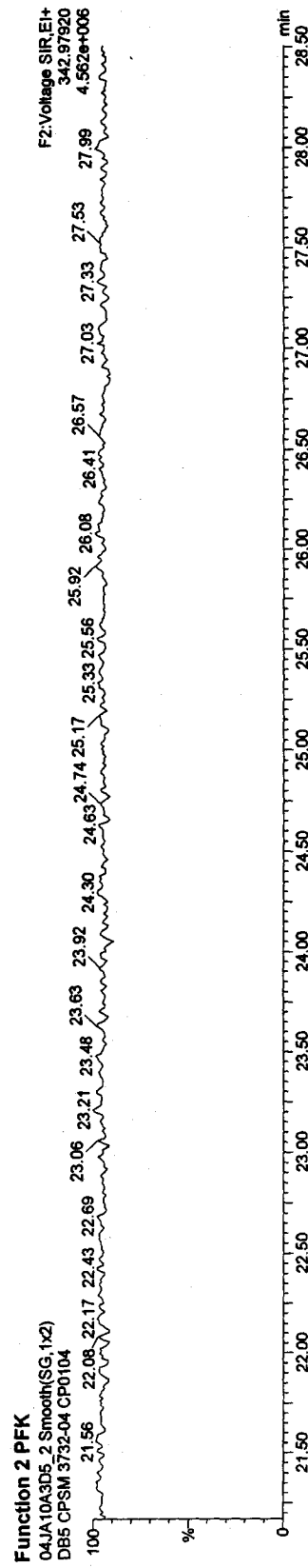
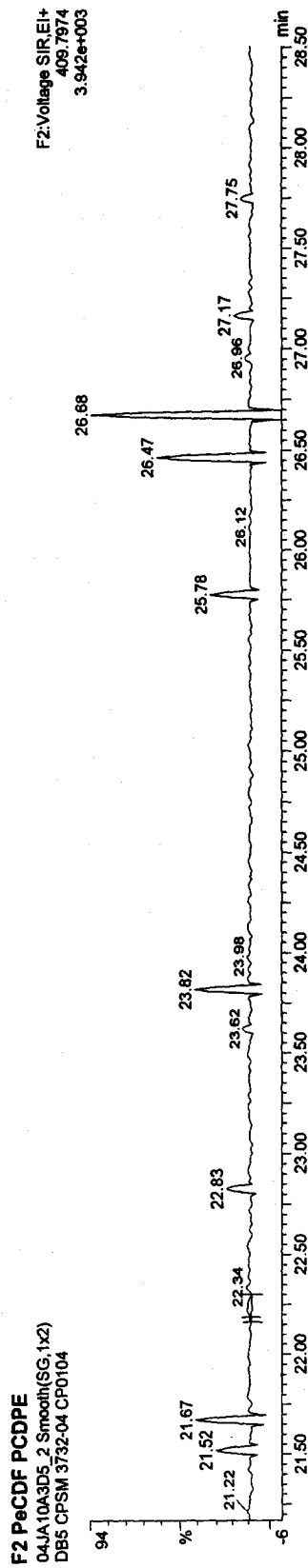
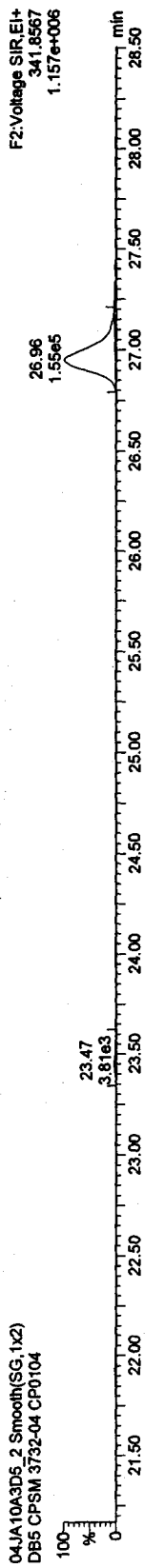
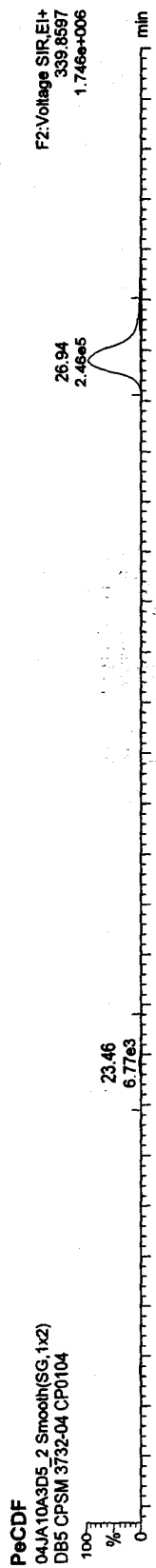


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

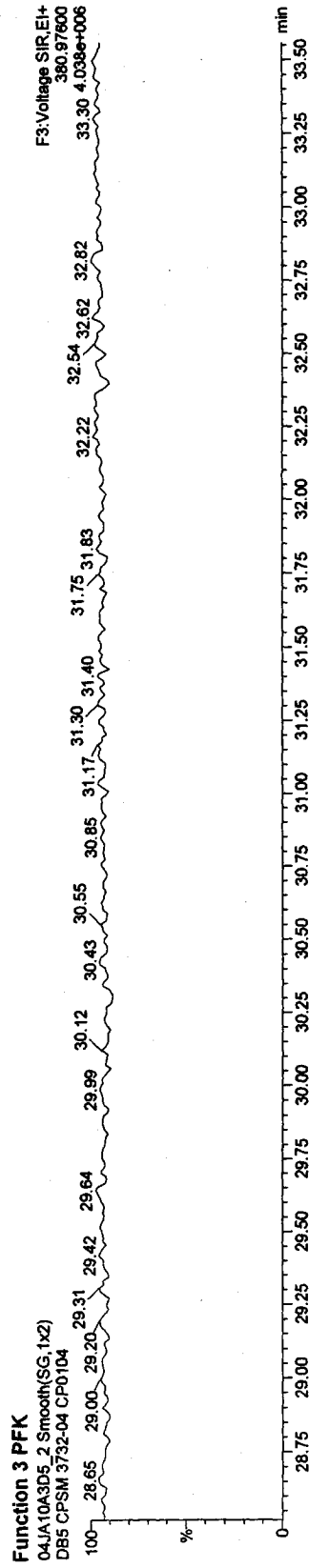
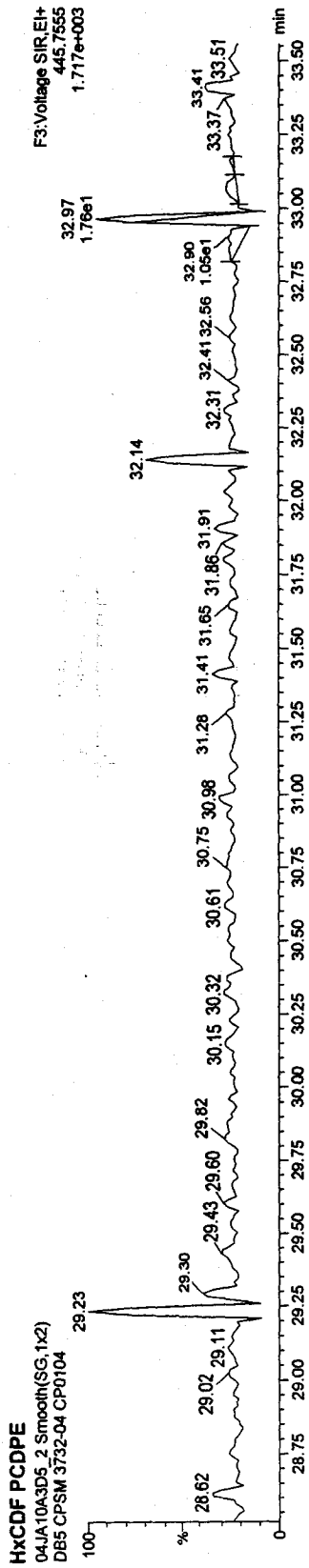
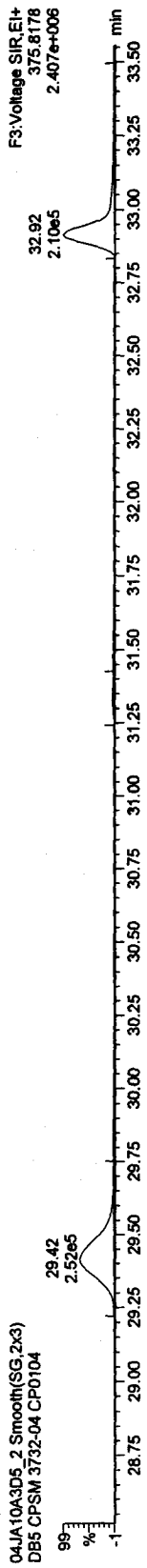
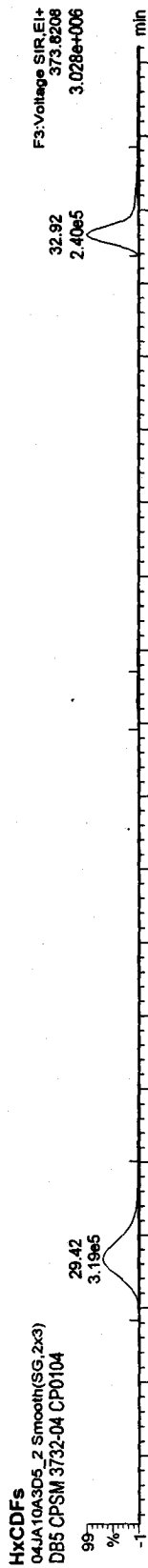


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

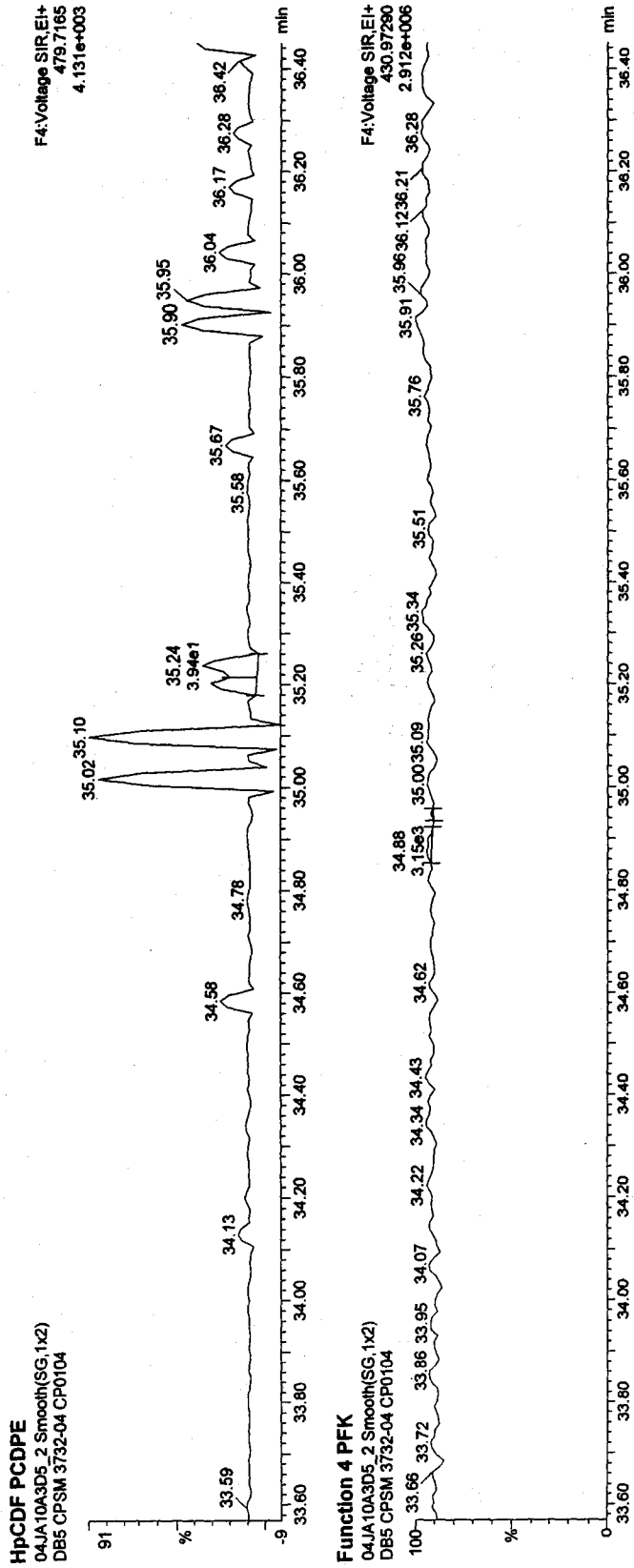
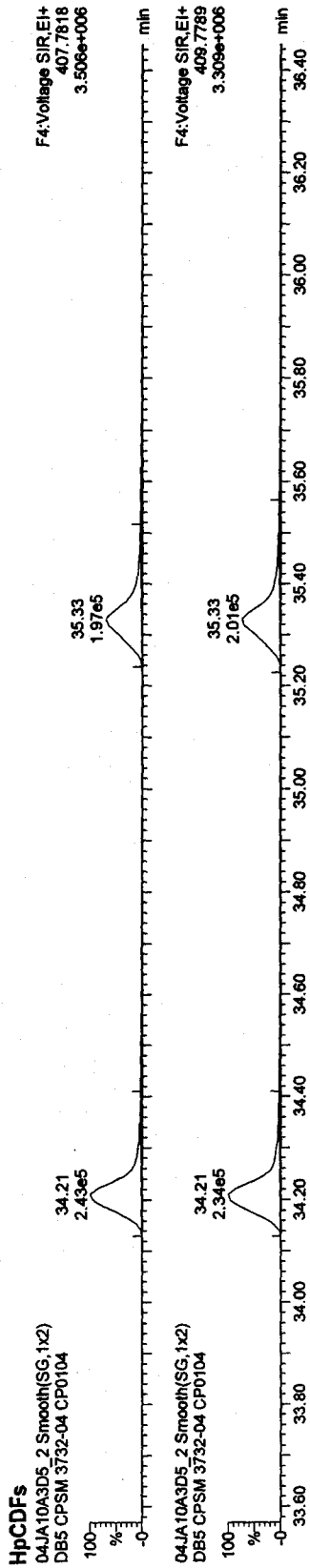


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04



Quantify Sample Report MassLynx 4.1

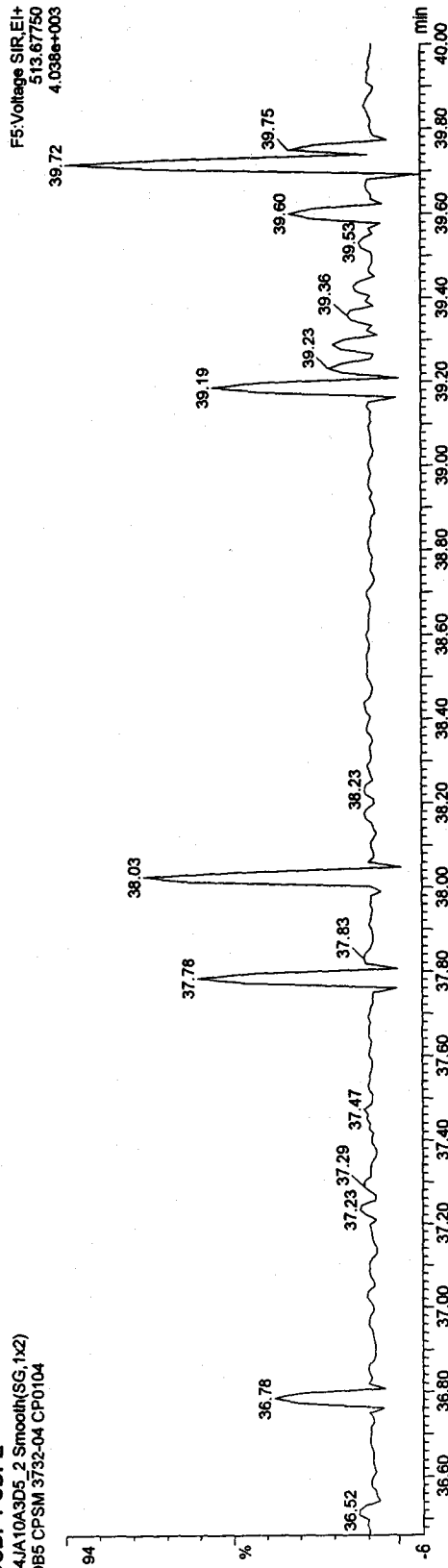
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_2, Date: 04-Jan-2010, Time: 17:14:39, ID: CP0104, Description: DB5 CPSM 3732-04

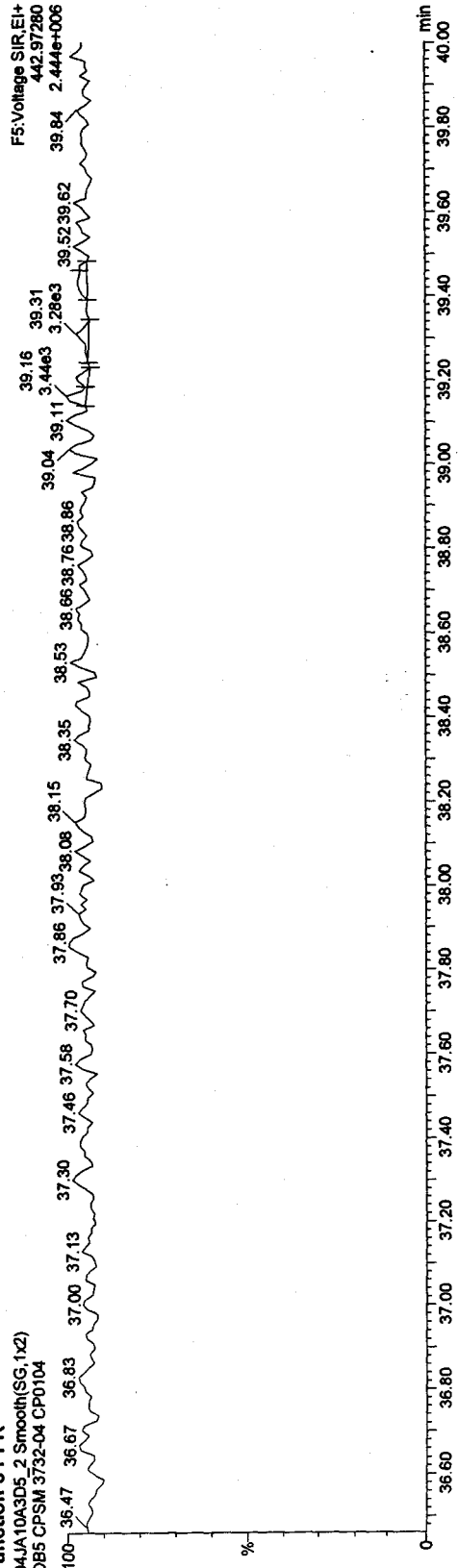
OCDF PCDPPE

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



Function 5 PFK

04JA10A3D5\_2 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP0104



Quantify Sample Report MassLynx 4.1

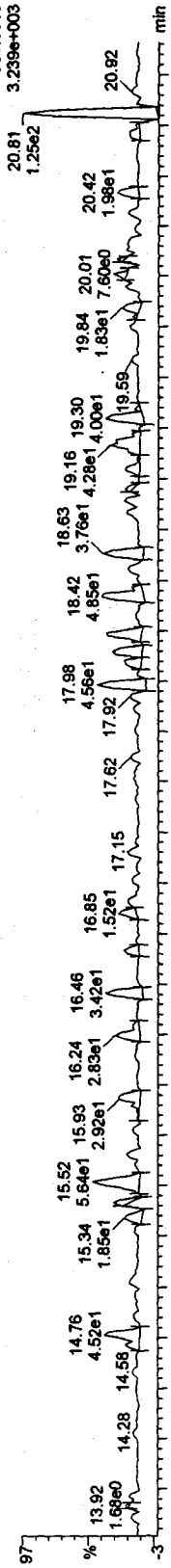
Dataset: C:\MassLynx\Default\pro\04JA10A3D56290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

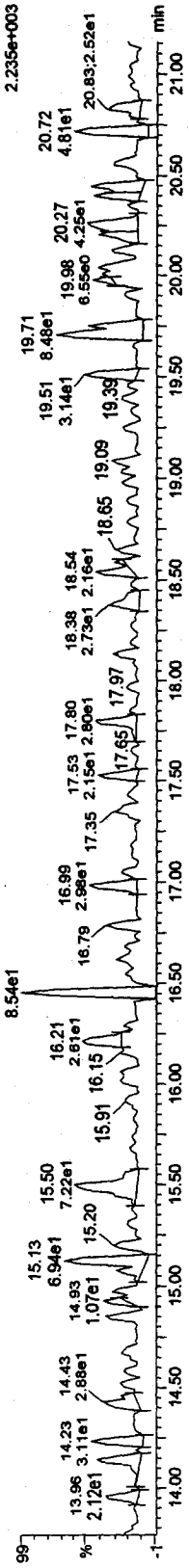
Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

TCDFs

04JA10A3D5\_3 Smooth(SG,1x2)  
 Solvent Blank C-14 SB0104

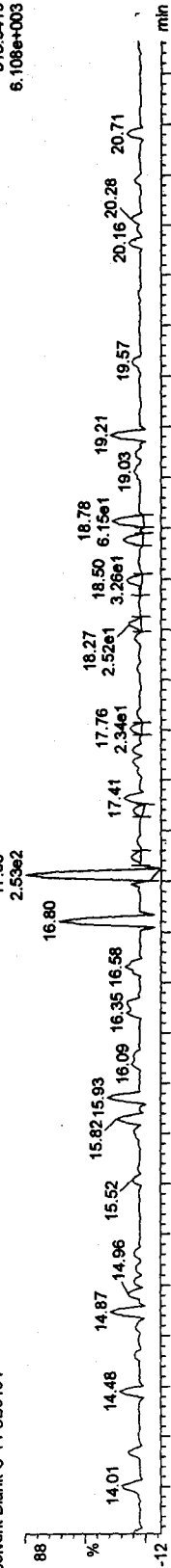


04JA10A3D5\_3 Smooth(SG,1x2)  
 Solvent Blank C-14 SB0104

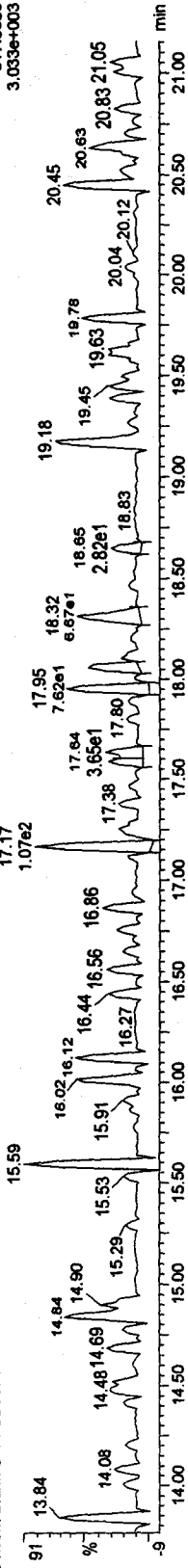


13C-TCDF

04JA10A3D5\_3 Smooth(SG,1x2)  
 Solvent Blank C-14 SB0104



04JA10A3D5\_3 Smooth(SG,1x2)  
 Solvent Blank C-14 SB0104



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

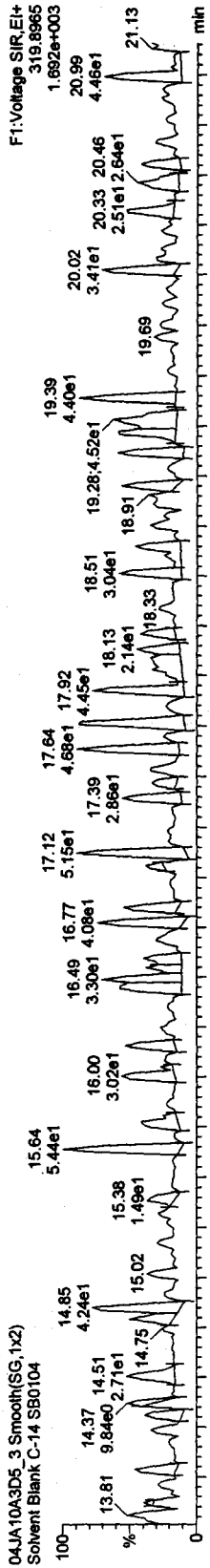
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

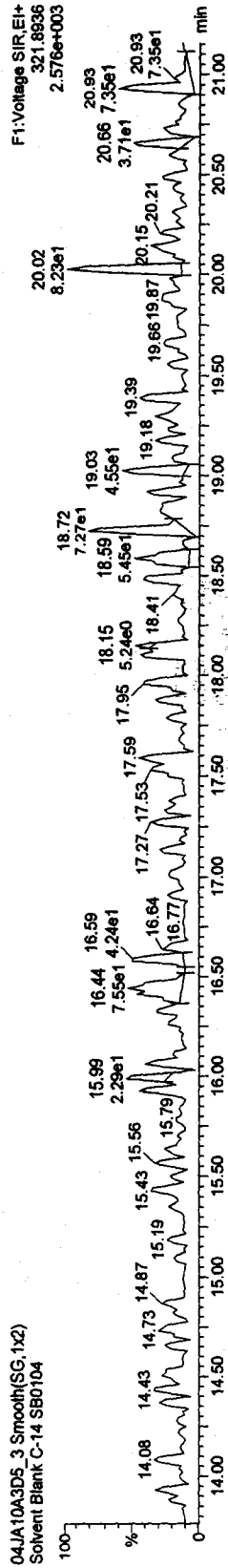
Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

TCDDs

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

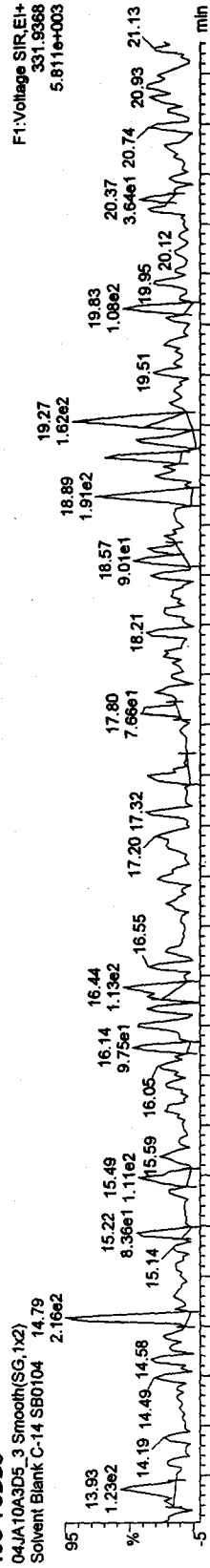


04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

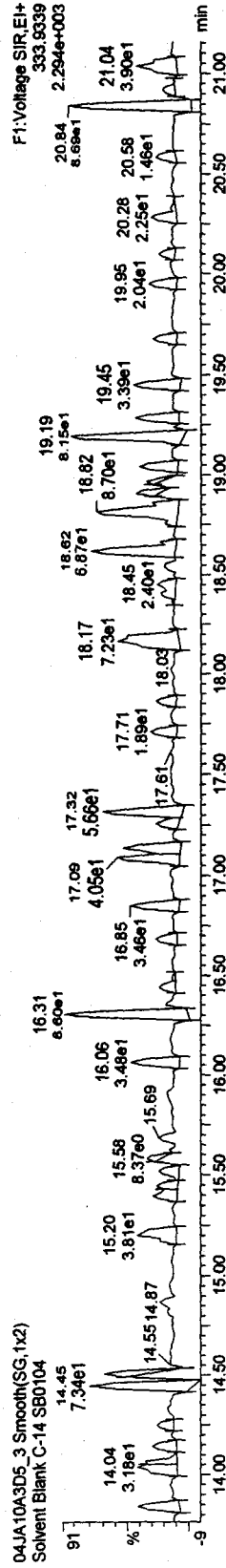


13C-TCDDs

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

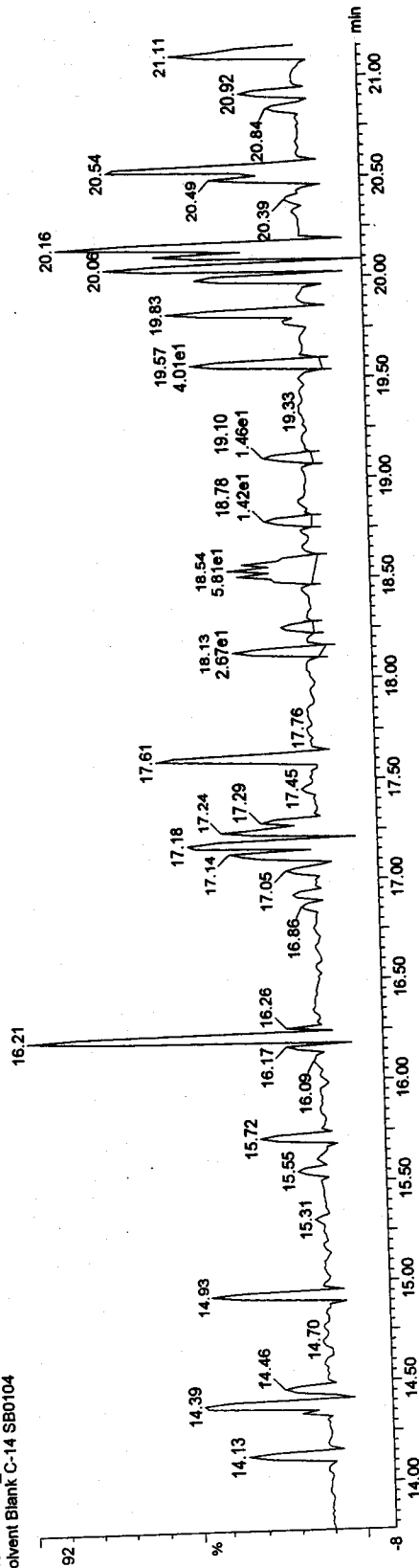
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

37CL-2,3,7,8-TCDD

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

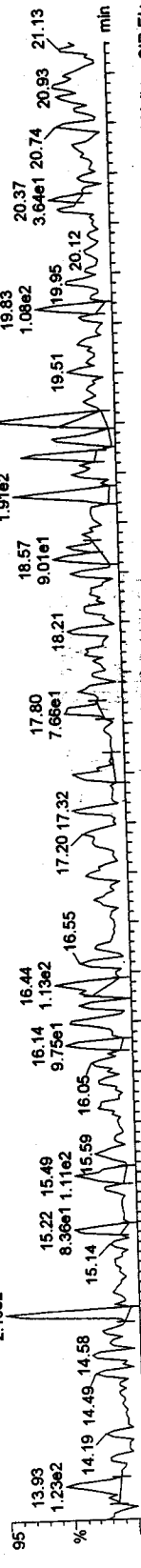
F1: Voltage S1R1E1+  
327.8847  
2.624e+003



13C-TCDDs

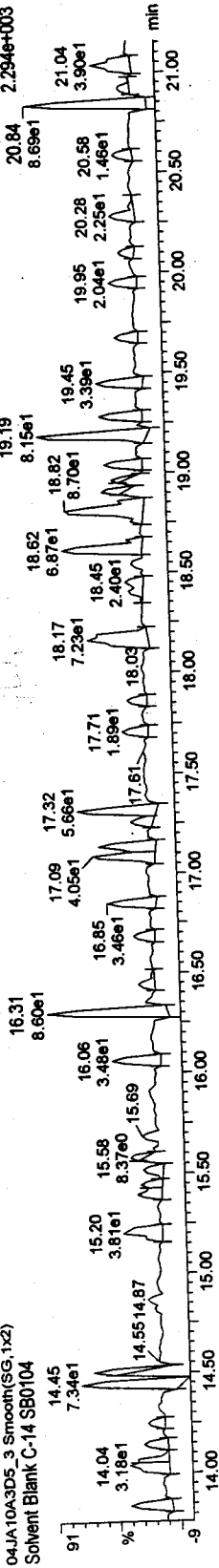
04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

F1: Voltage S1R1E1+  
331.9368  
5.811e+003



04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

F1: Voltage S1R1E1+  
333.9339  
2.294e+003

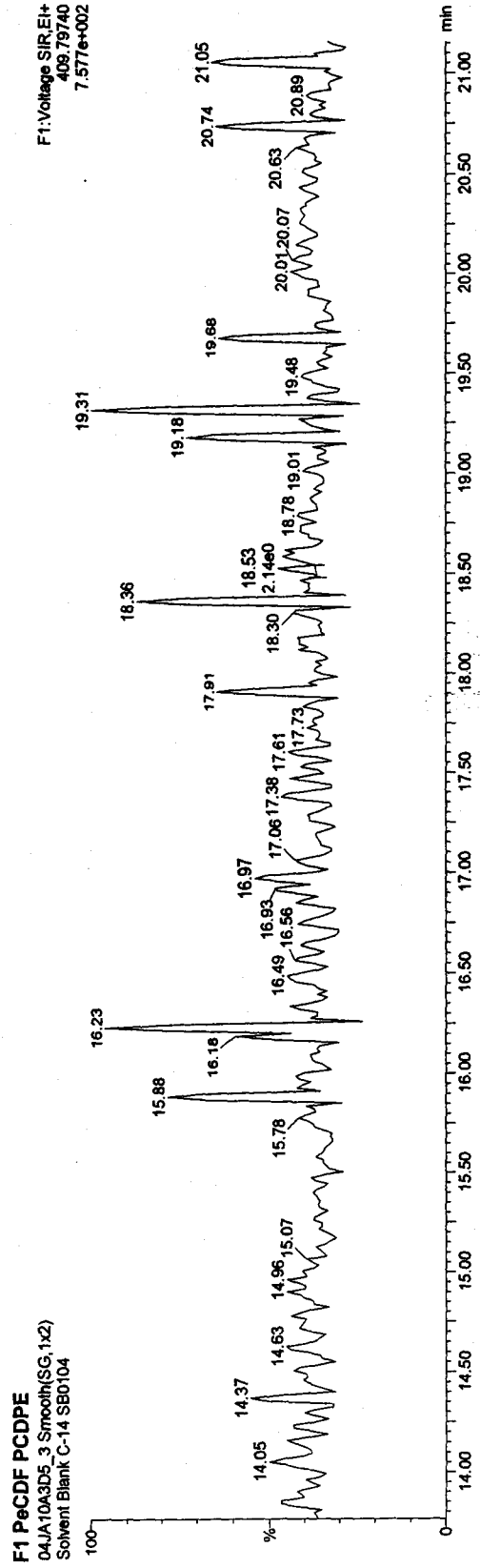
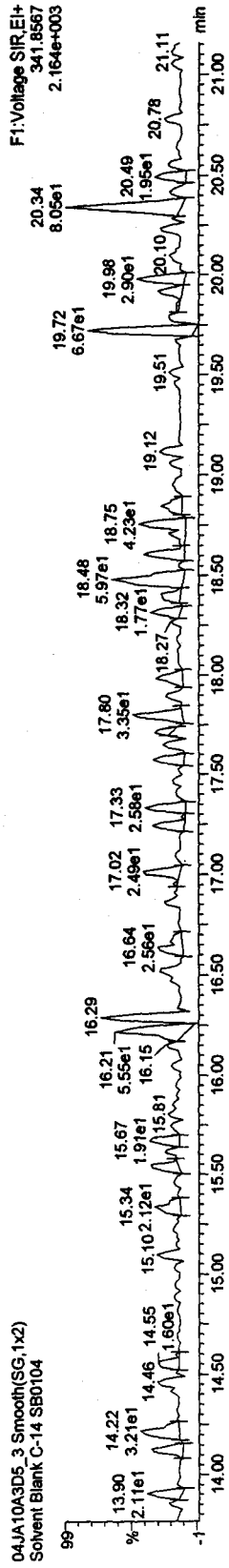
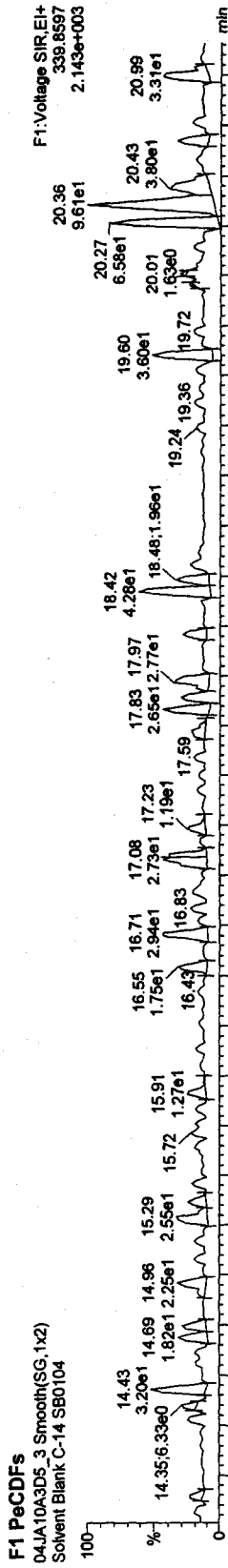


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

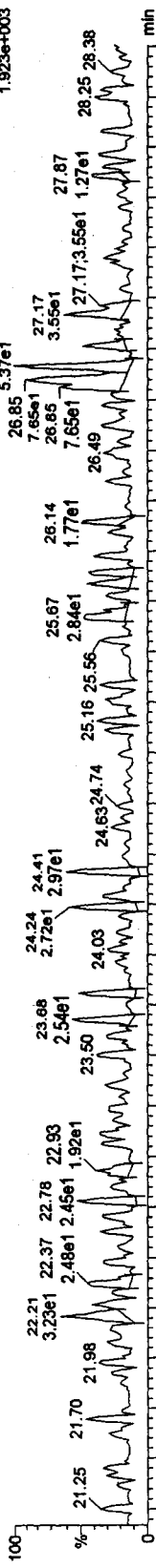
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

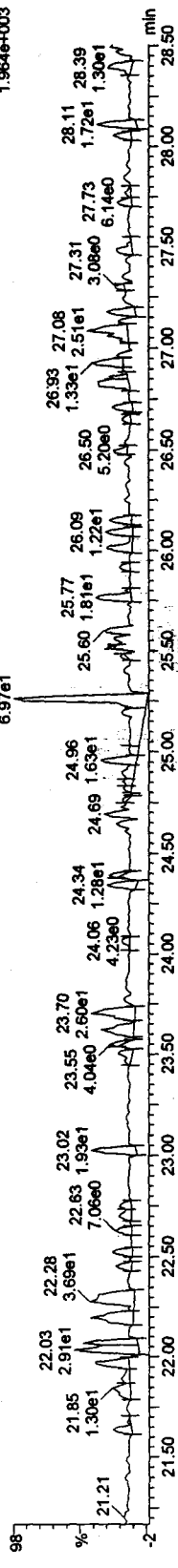
Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

PeCDDs

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

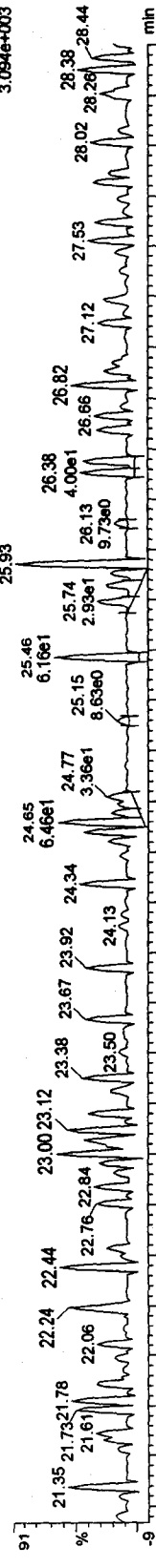


04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

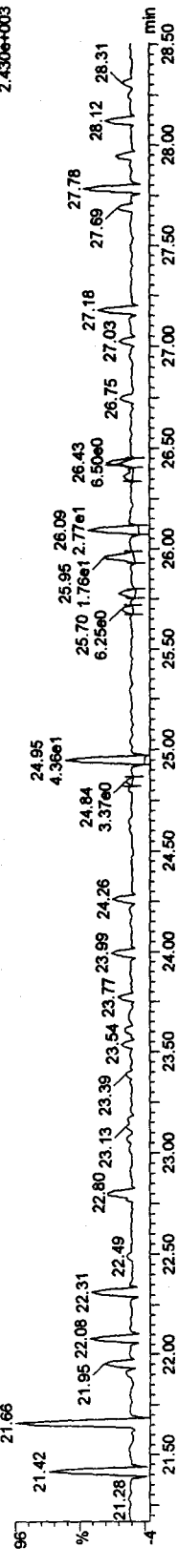


13C-PeCDD

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



Quantify Sample Report MassLynx 4.1

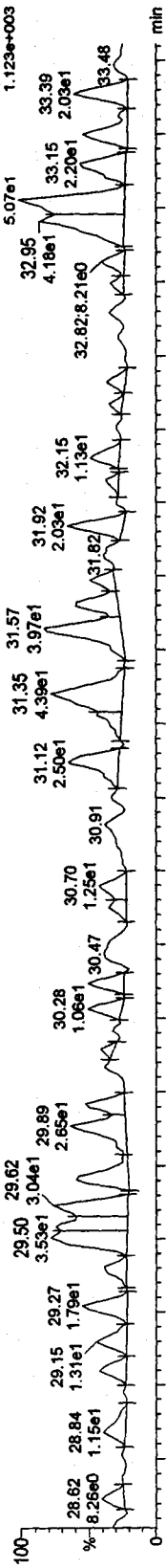
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

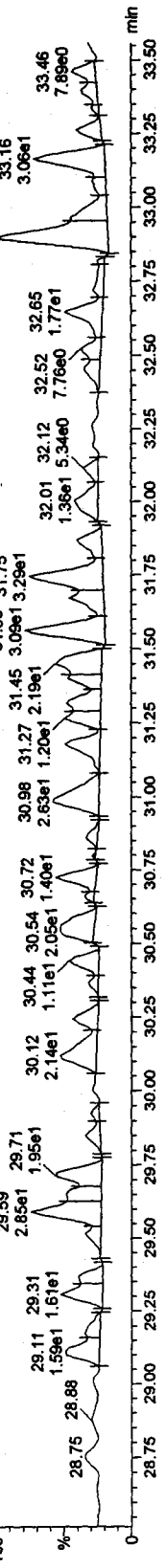
HxCDFs

04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104



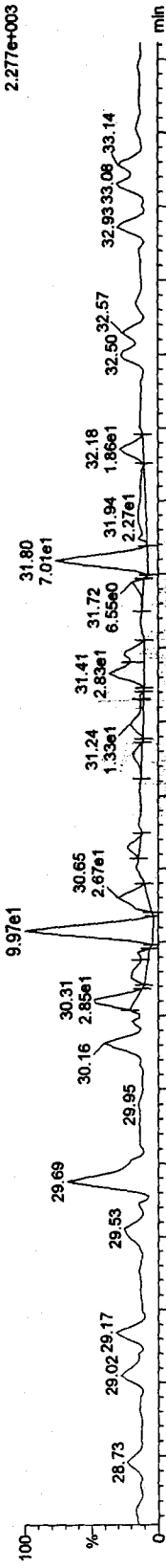
HxCDFs

04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104



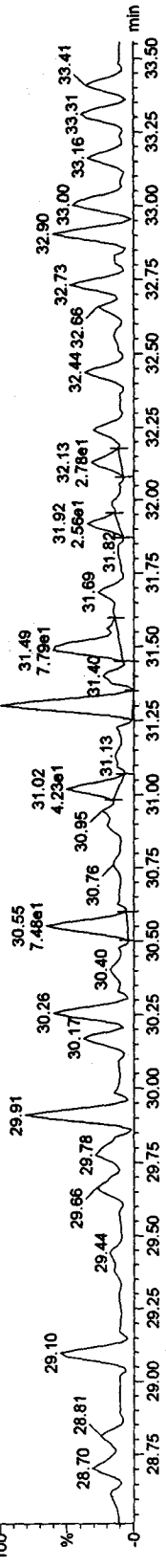
13C-HxCDFs

04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104



HxCDFs

04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104



Quantify Sample Report MassLynx 4.1

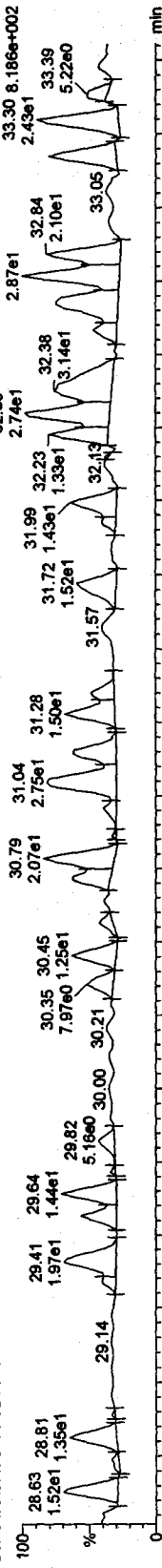
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

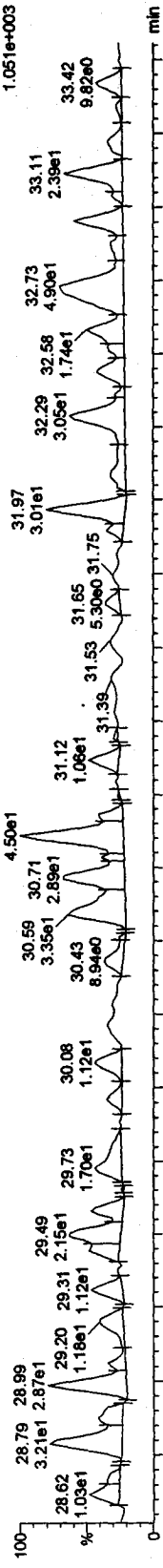
Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

HxCDDs

04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104

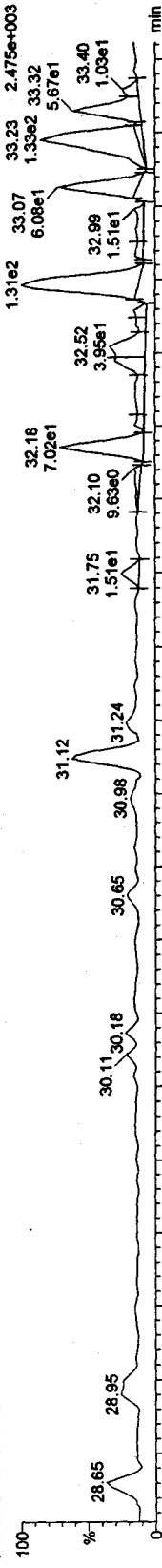


04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104

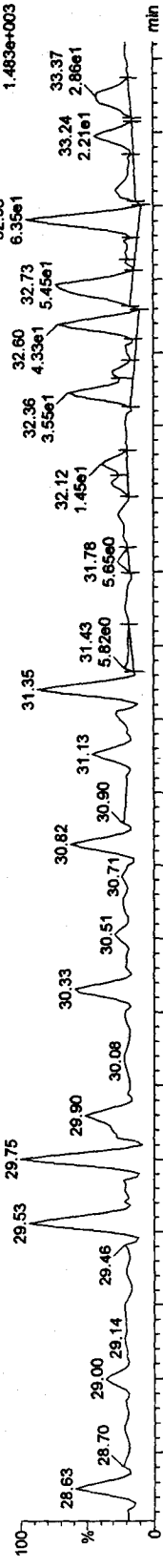


13C-HxCDDs

04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104



04JA10A3D5\_3 Smooth(SG,2x3)  
Solvent Blank C-14 SB0104

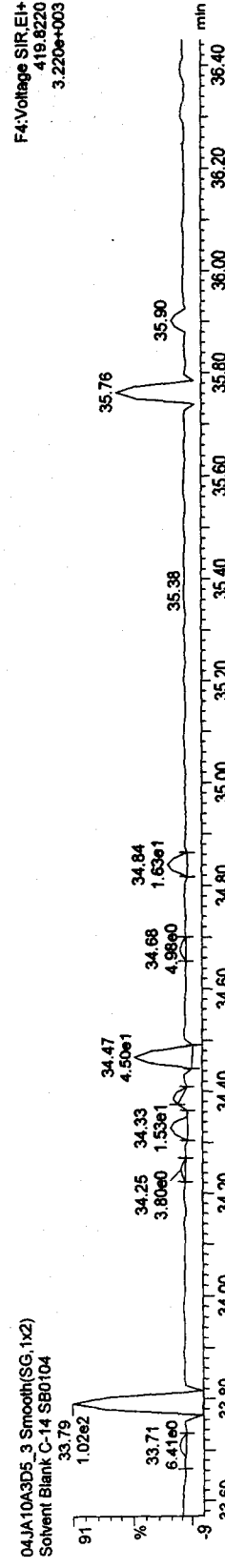
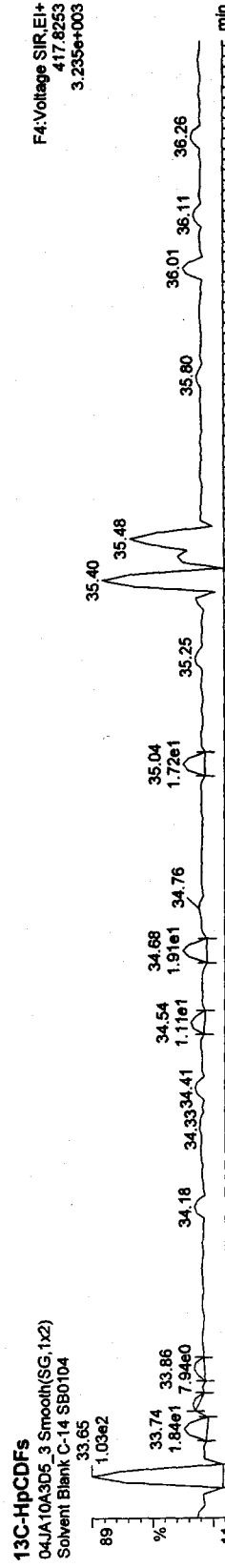
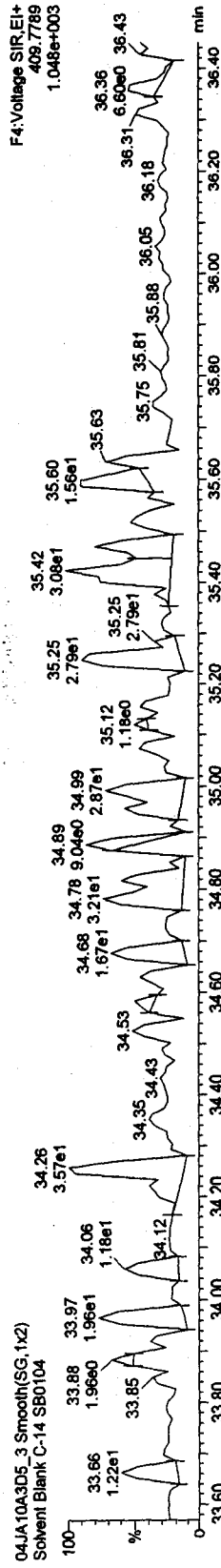
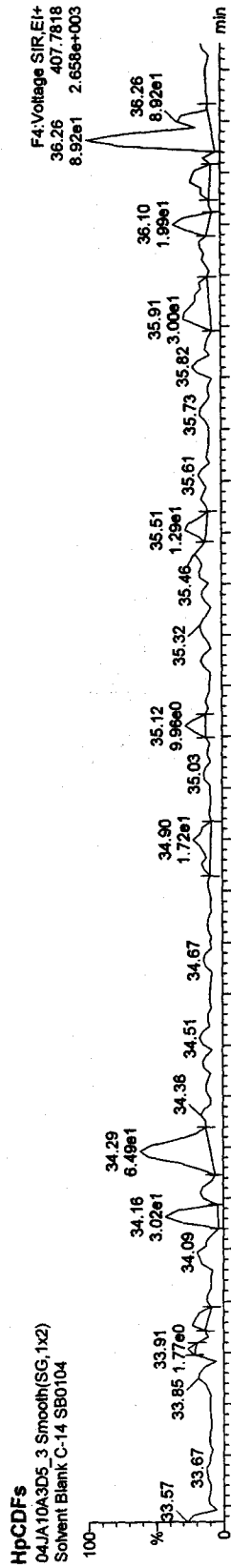


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14



Quantify Sample Report MassLynx 4.1

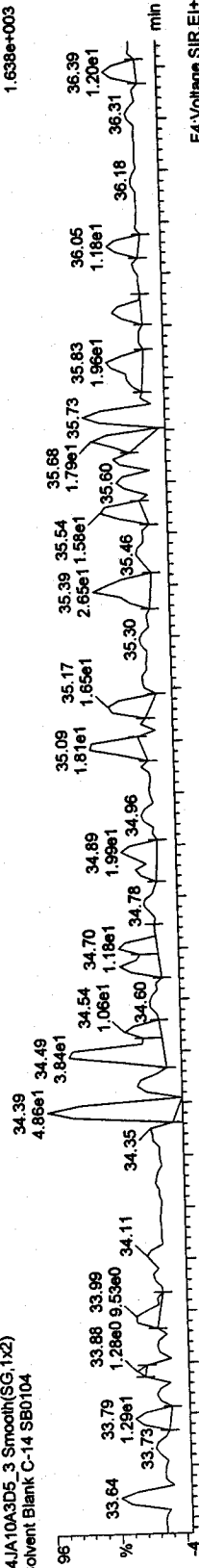
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

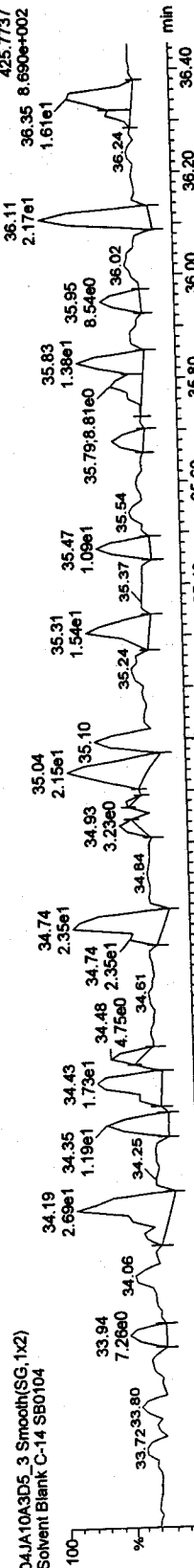
HpCDDs

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



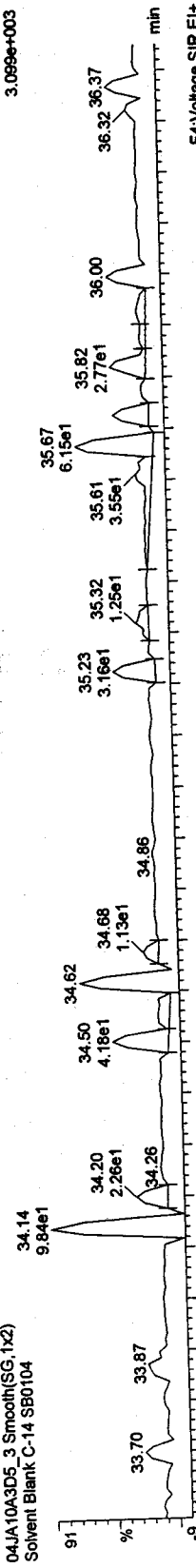
13C-HpCDD

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



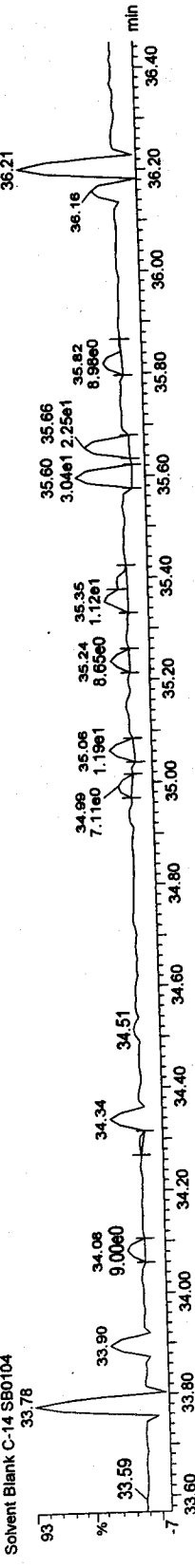
13C-HpCDD

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



13C-HpCDD

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D56290A.qld

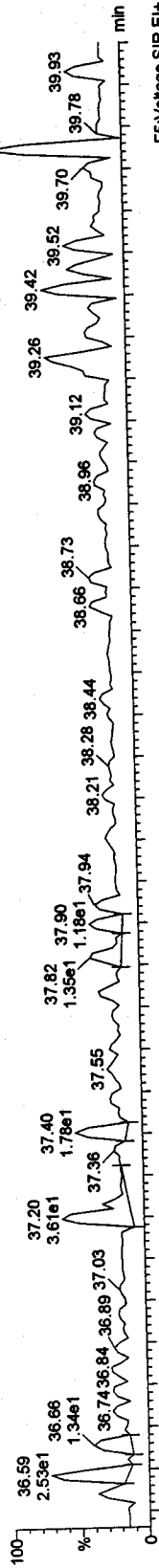
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time

Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

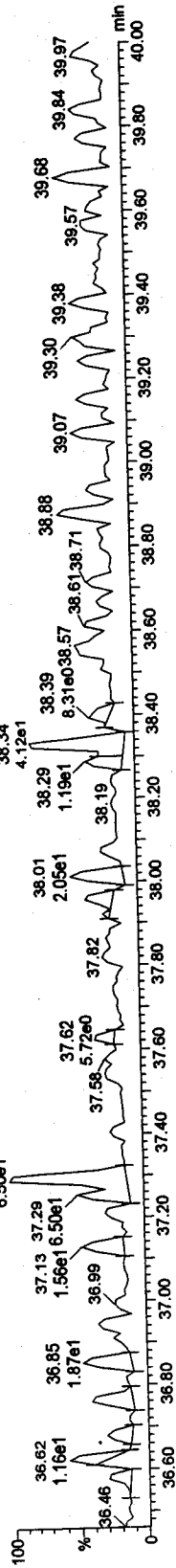
Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

OCDFs

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

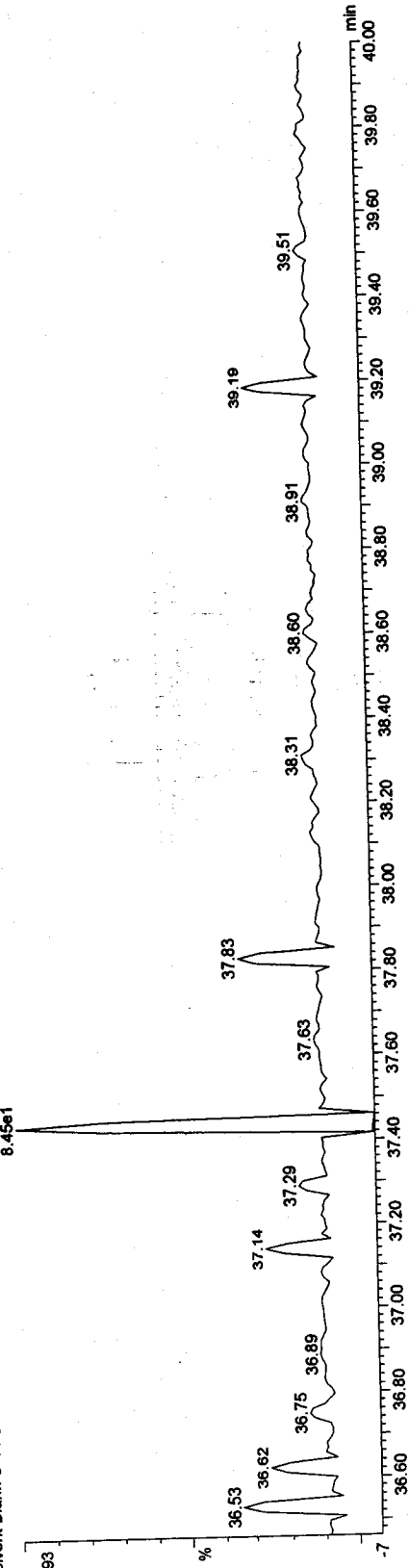


04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



OCDF PCDFE

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104





Quantify Sample Report MassLynx 4.1

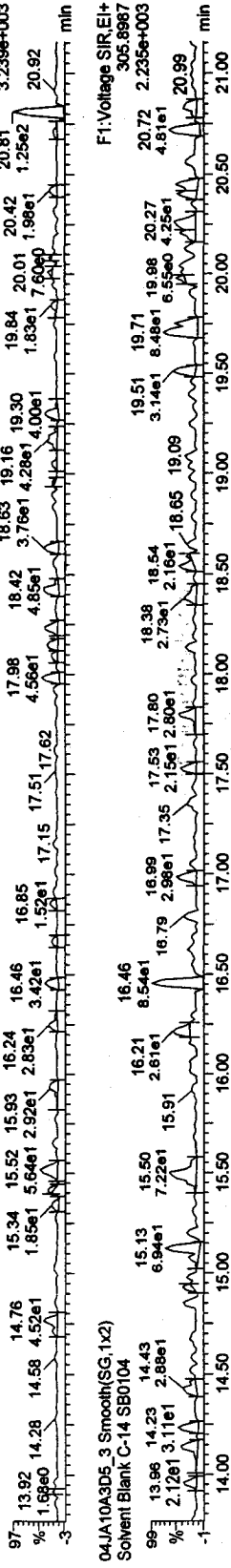
Dataset: C:\MassLynx\Default\pro04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

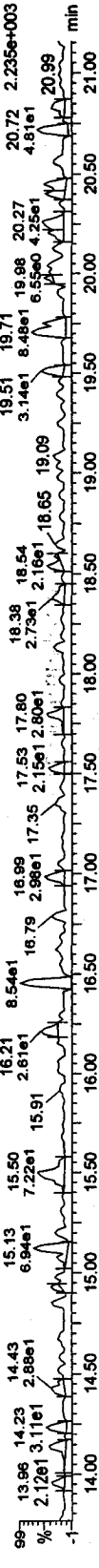
Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

TCDFs

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

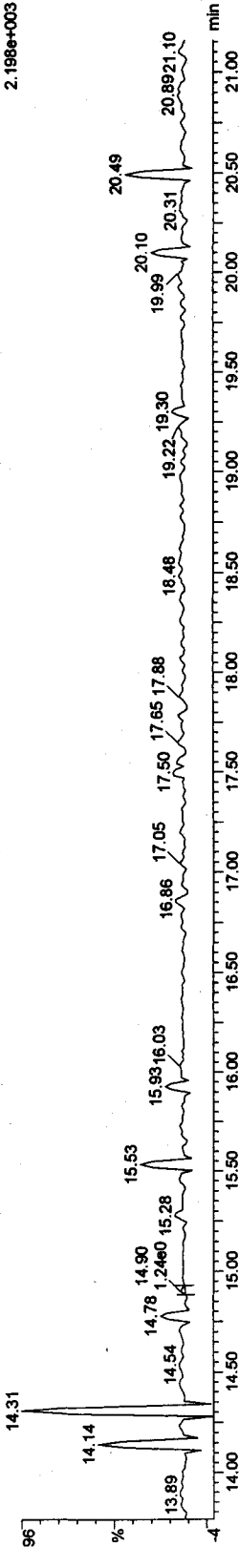


04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



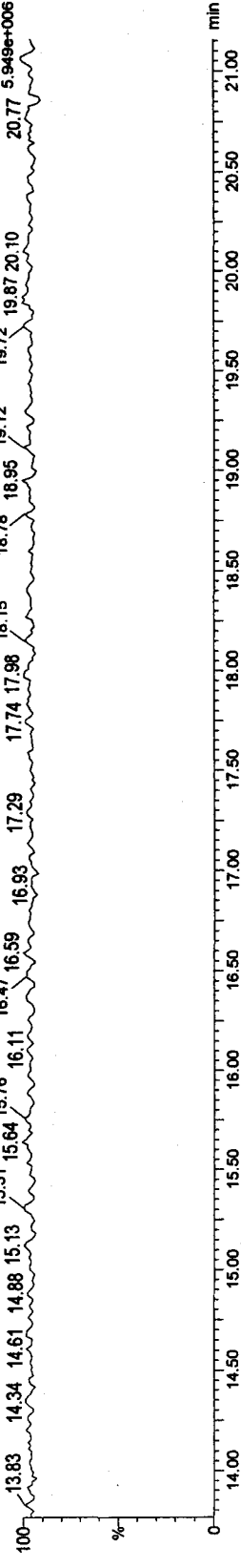
TCDF PCDFE

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



Function 1 PFK

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

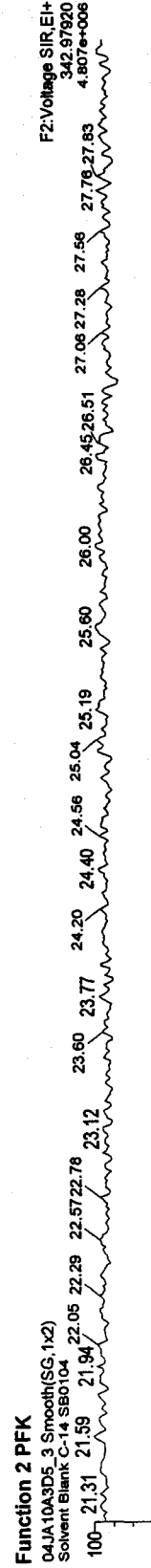
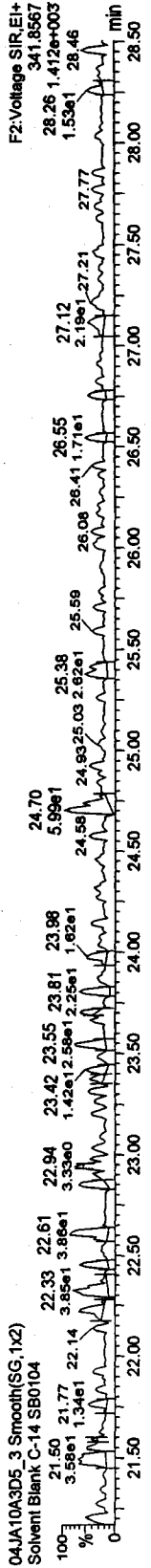
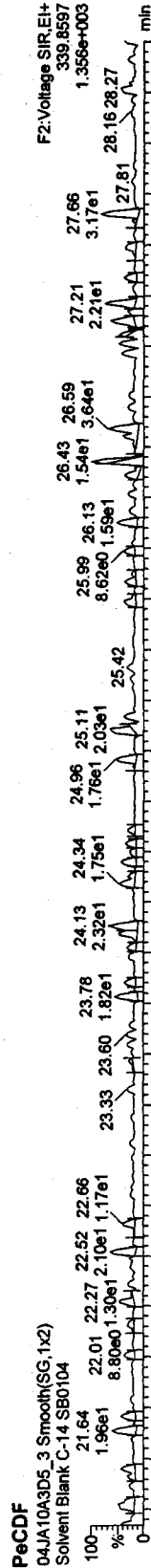


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
 Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14



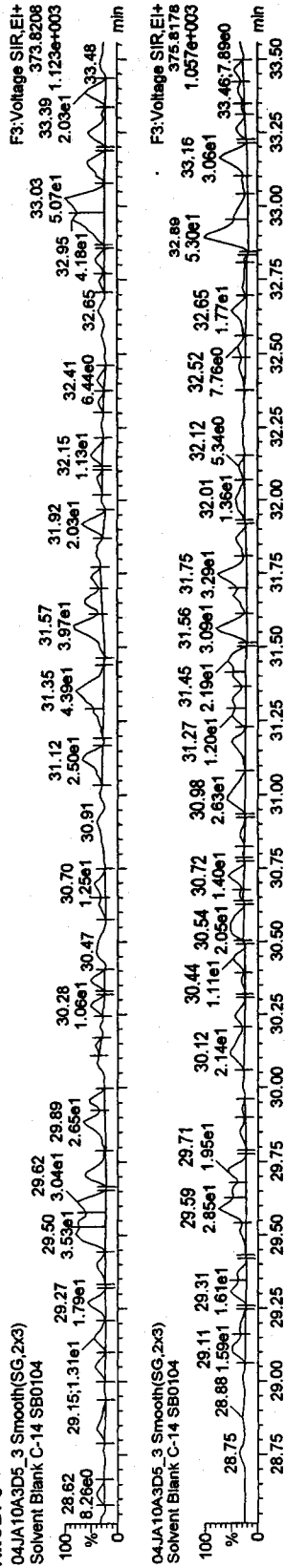
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro04JA10A3D58290A.qld

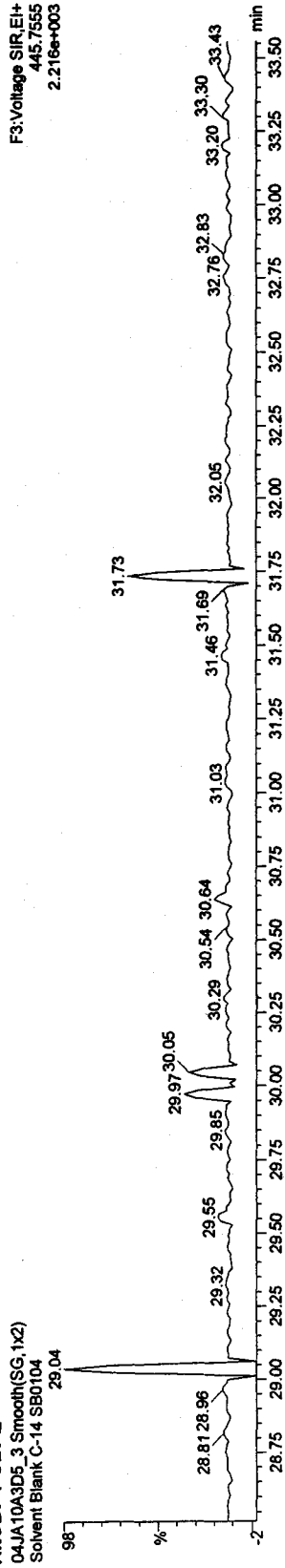
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

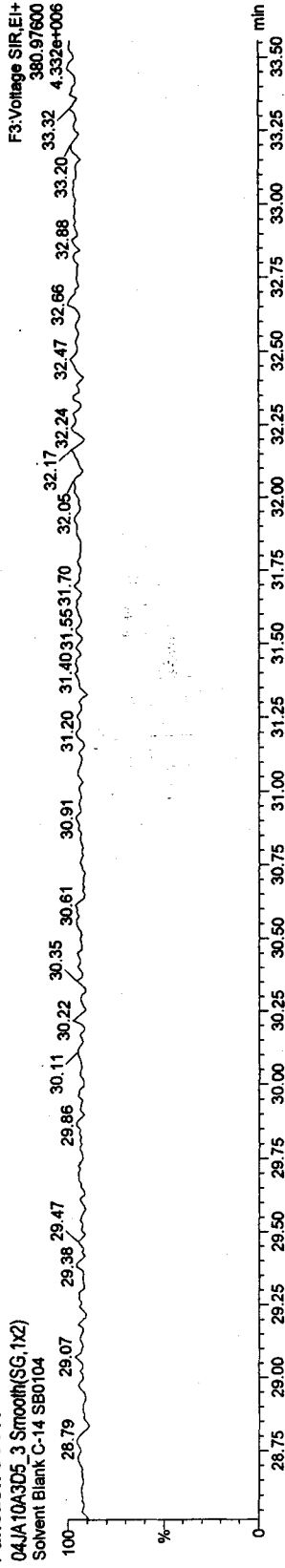
HxCDFs



HxCDF PCDPE



Function 3 PFK



Quantify Sample Report MassLynx 4.1

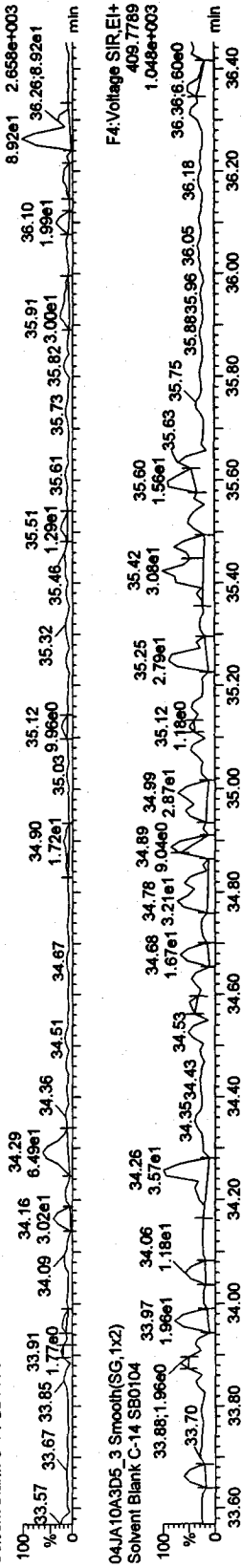
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

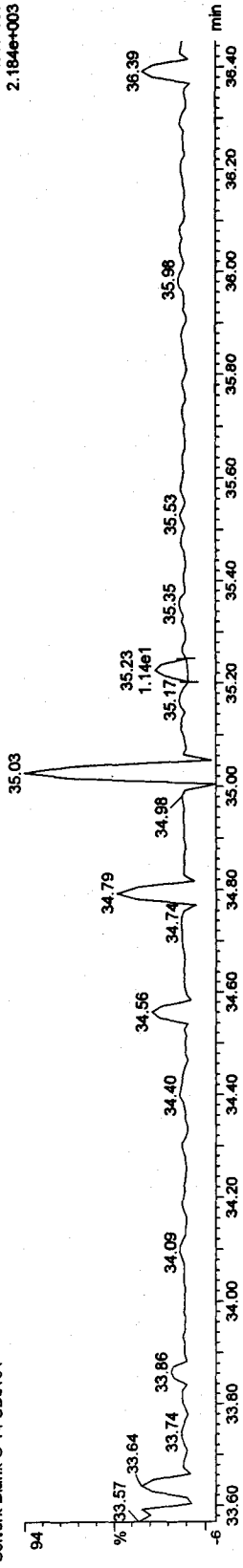
HpCDFs

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



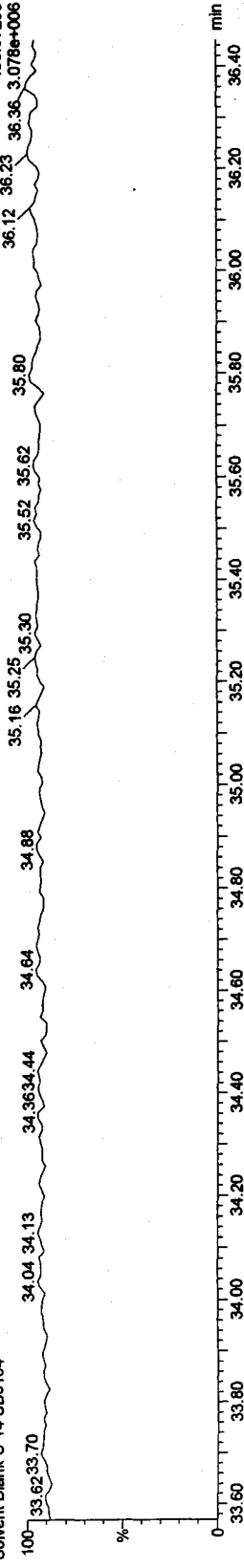
HpCDF PCDFE

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



Function 4 PFK

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

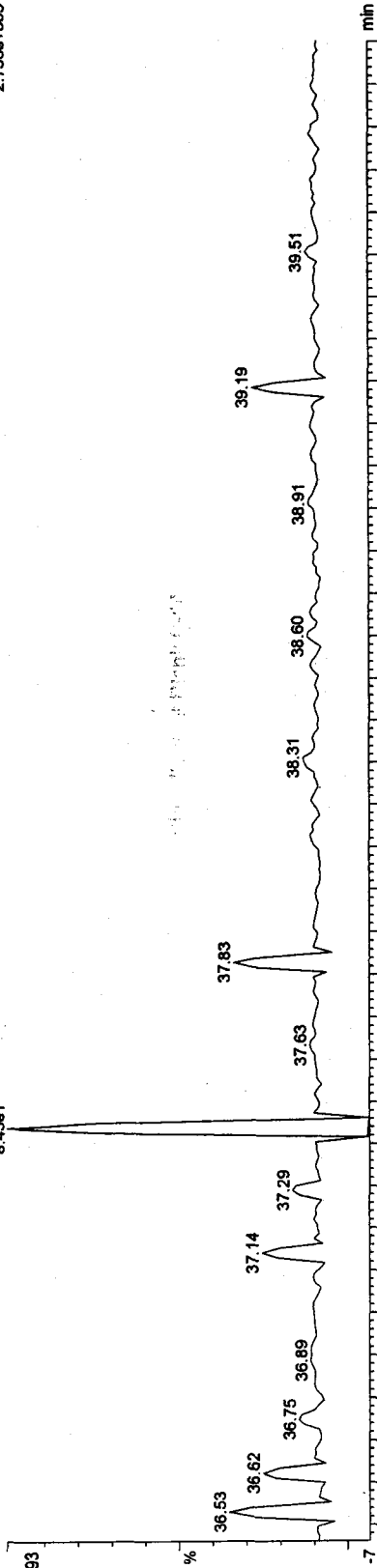
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_3, Date: 04-Jan-2010, Time: 17:55:51, ID: SB0104, Description: Solvent Blank C-14

OCDF PCDFPE

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

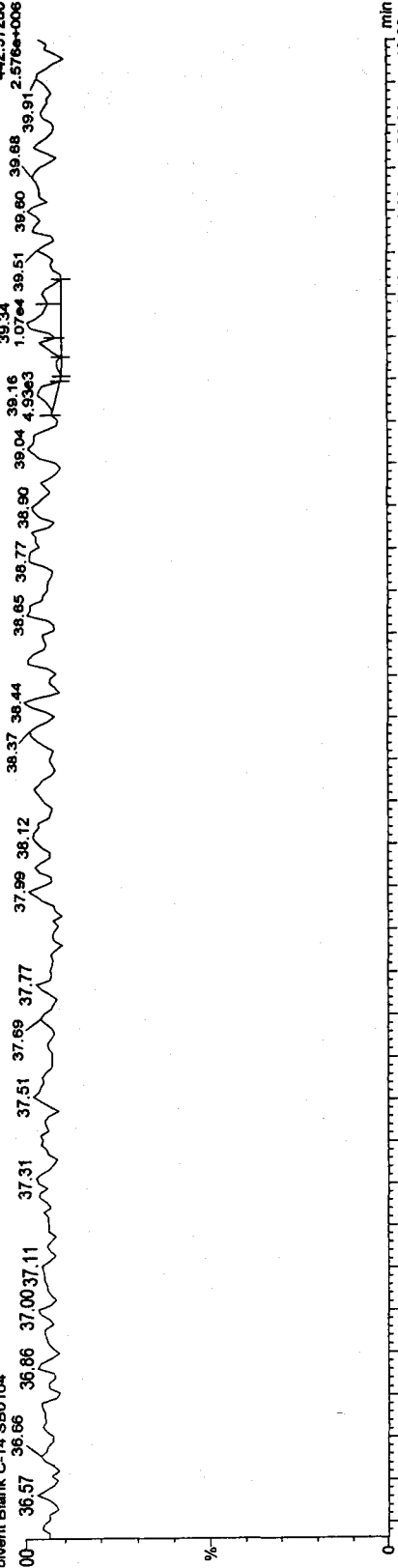
F5:Voltage SIR,EI+  
513.67750  
2.756e+003



Function 5 PFK

04JA10A3D5\_3 Smooth(SG,1x2)  
Solvent Blank C-14 SB0104

F5:Voltage SIR,EI+  
442.97280  
2.578e+006

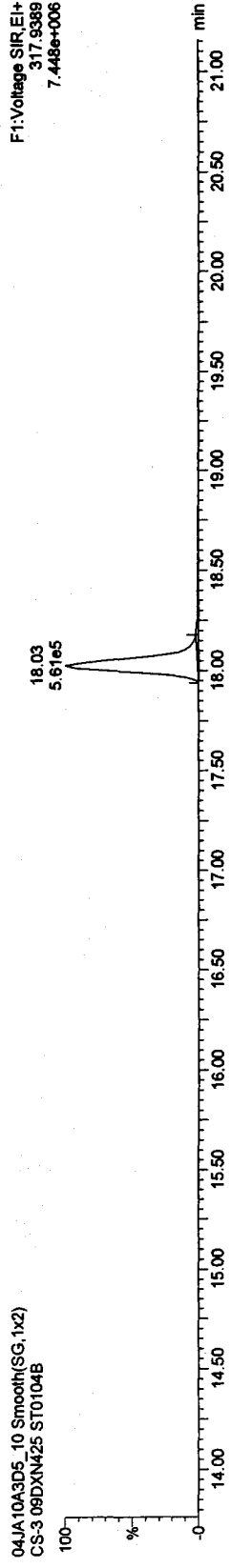
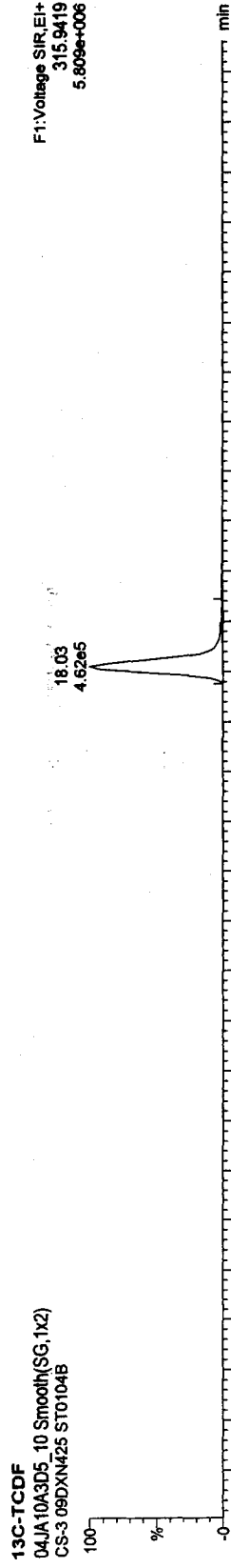
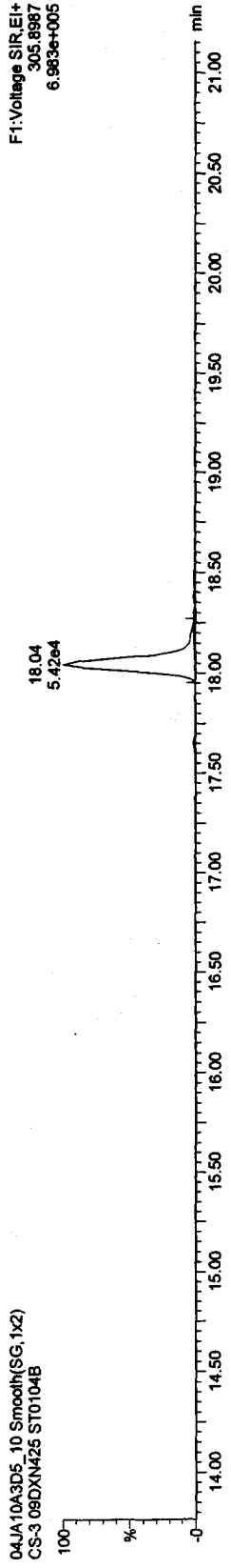
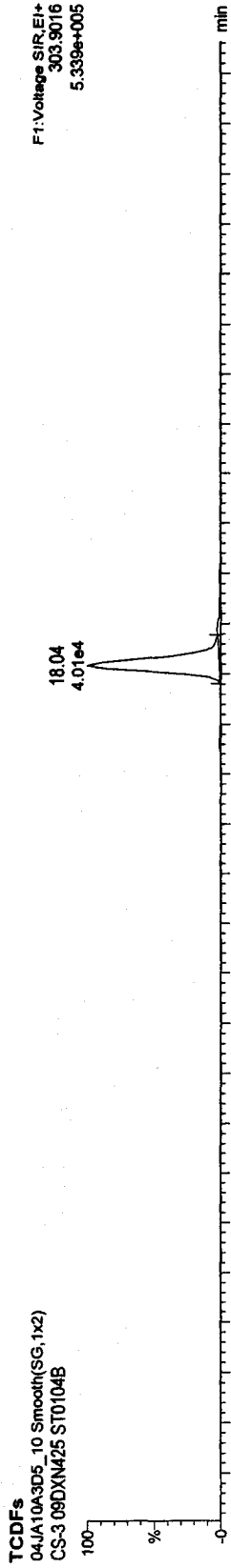


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425





Quantify Sample Report MassLynx 4.1

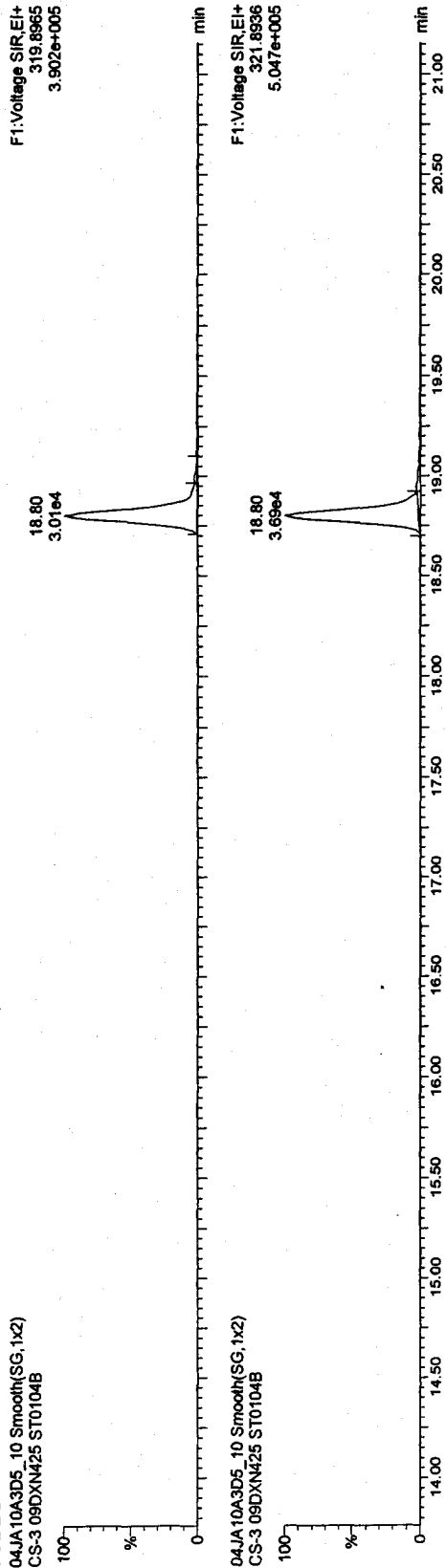
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

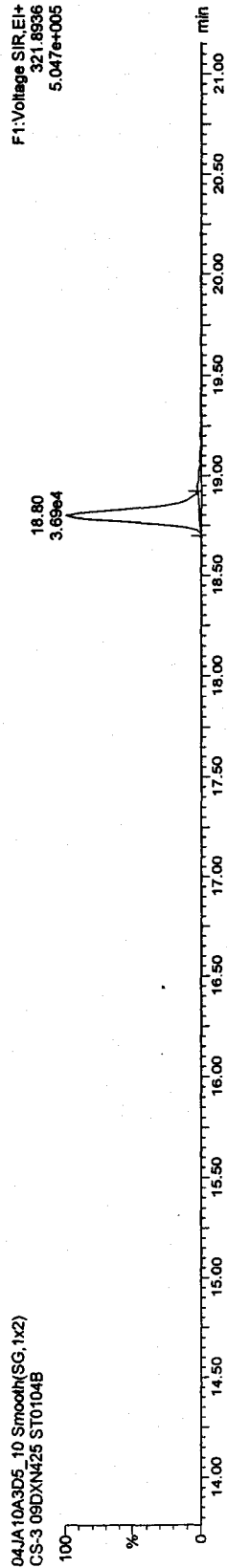
TCDDs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F1:Voltage SIR,EI+  
319.8965  
3.902e+005

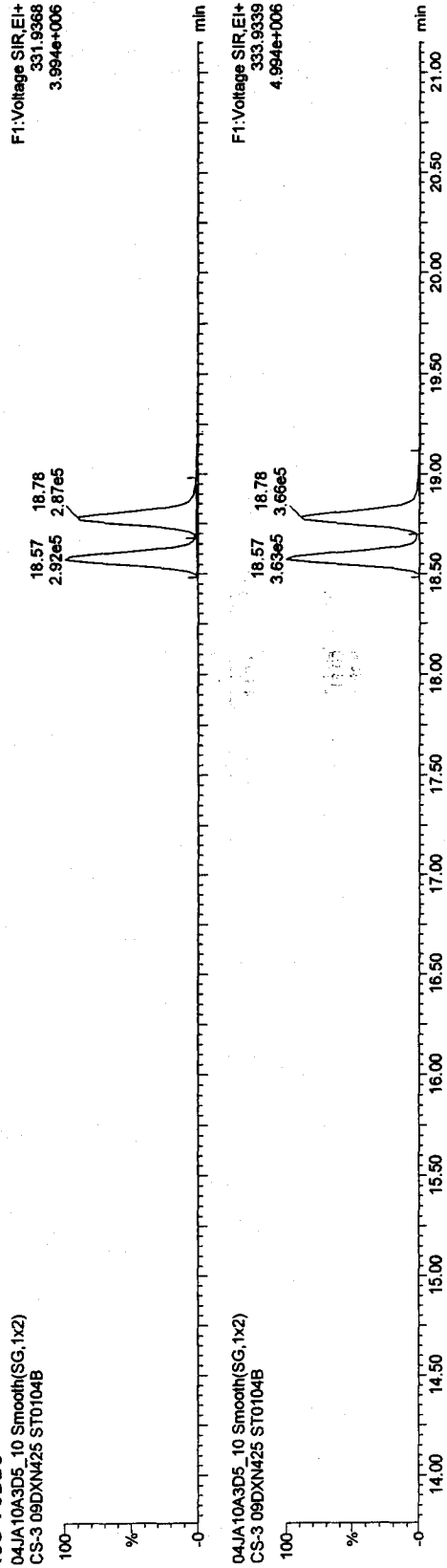
04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F1:Voltage SIR,EI+  
321.8936  
5.047e+005

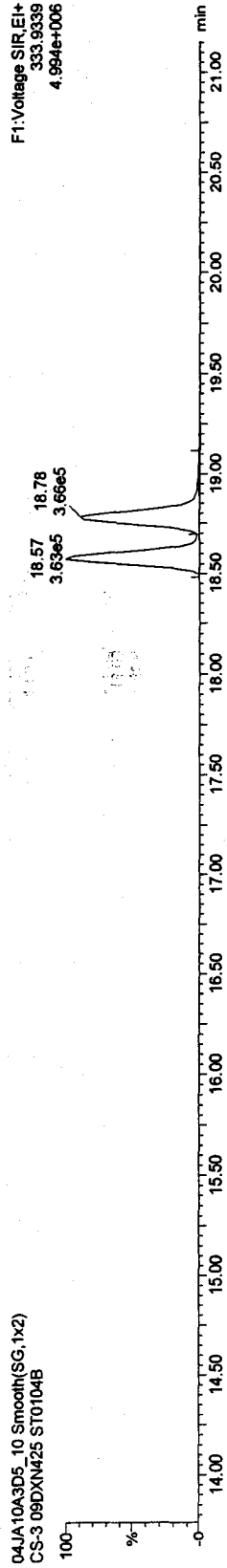
13C-TCDDs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F1:Voltage SIR,EI+  
331.9368  
3.994e+006

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F1:Voltage SIR,EI+  
333.9339  
4.994e+006

Quantify Sample Report MassLynx 4.1

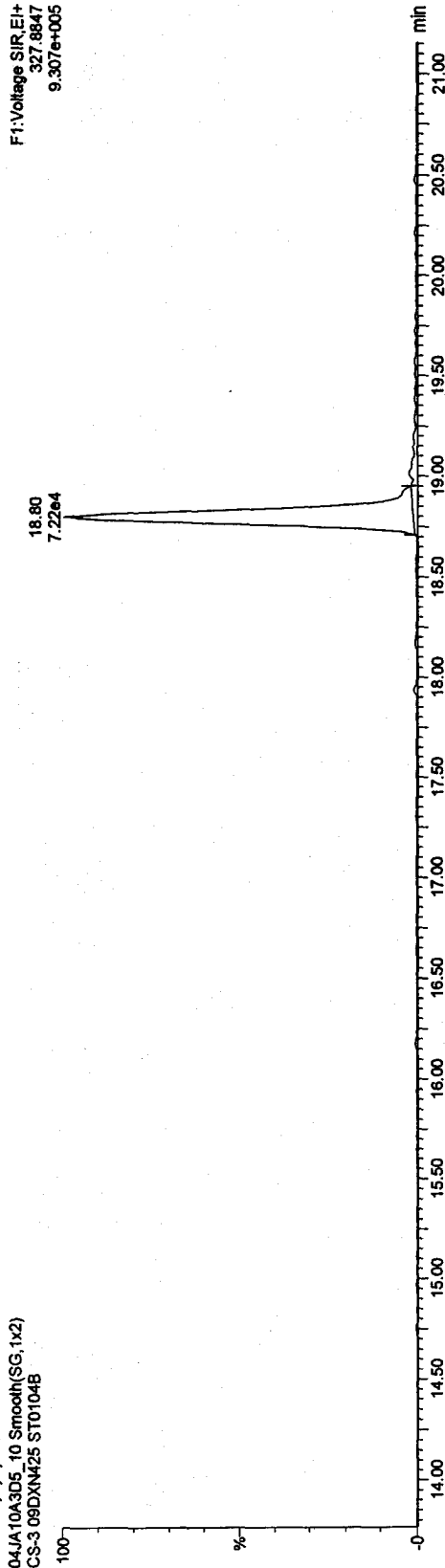
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

37CL-2,3,7,8-TCDD

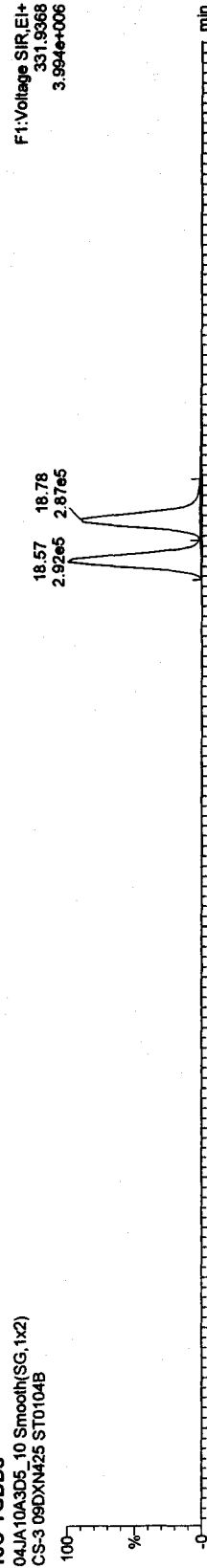
04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F1: Voltage SIR.EI+  
327.8847  
9.307e+005

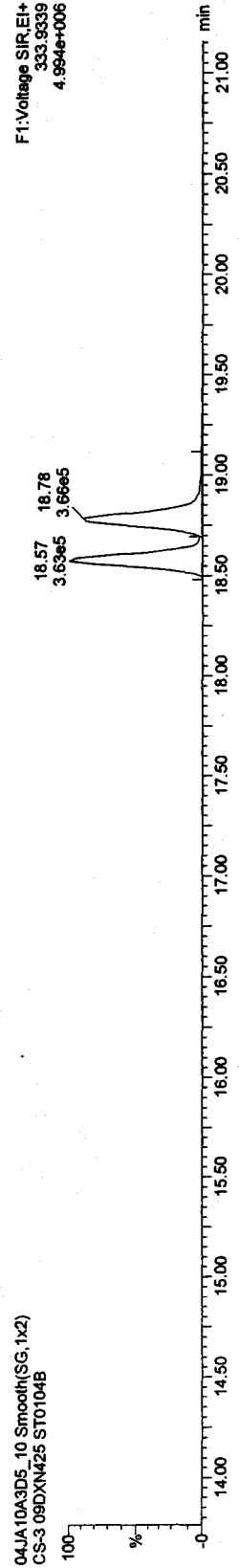
13C-TCDDs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F1: Voltage SIR.EI+  
331.9368  
3.994e+006

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F1: Voltage SIR.EI+  
333.9339  
4.994e+006

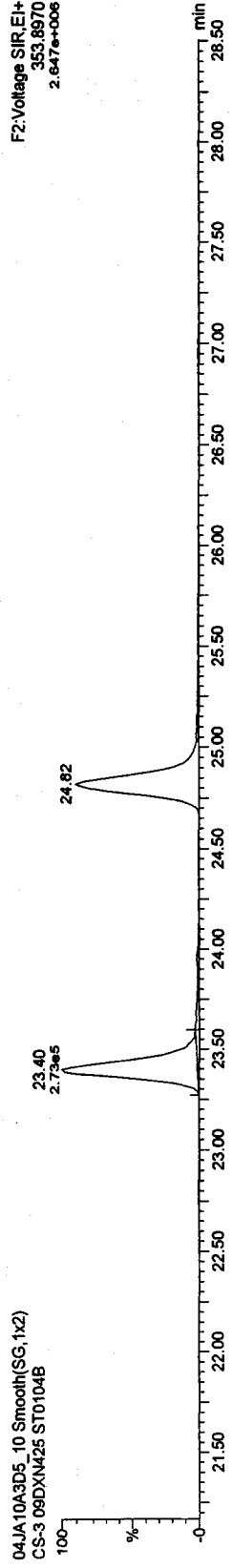
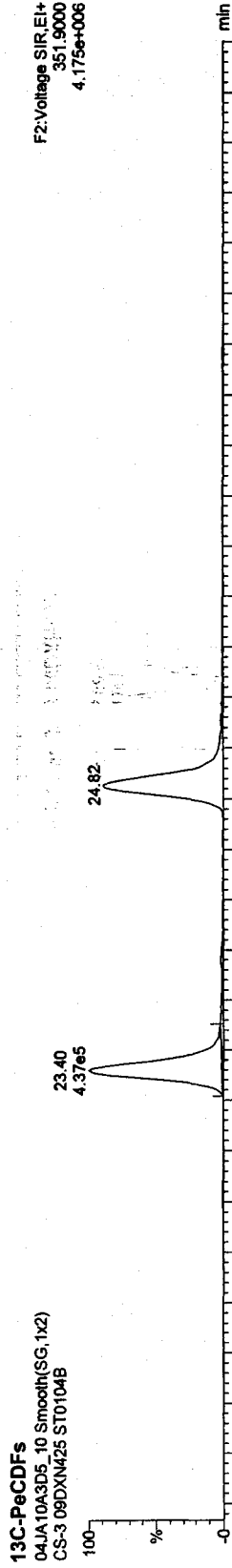
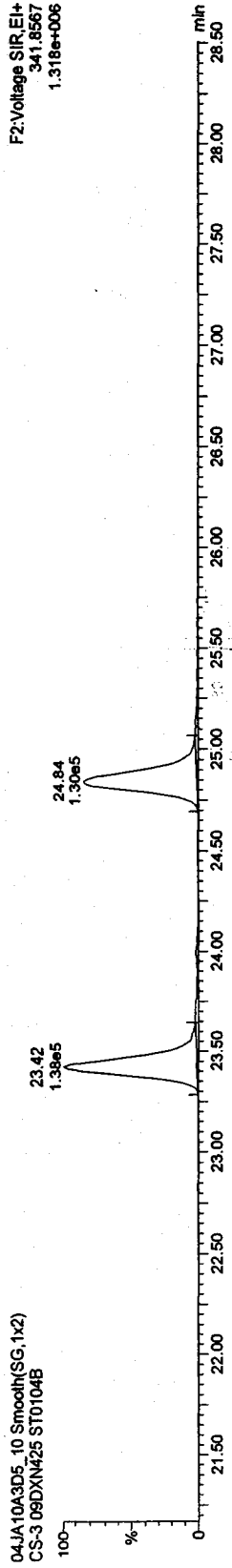
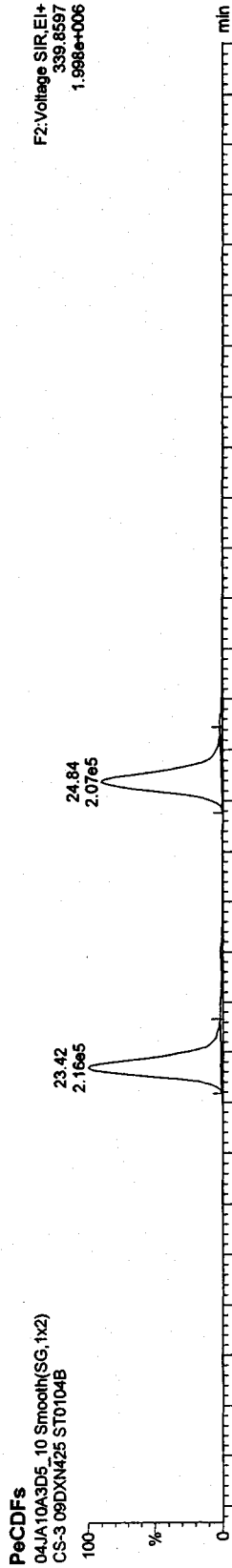


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

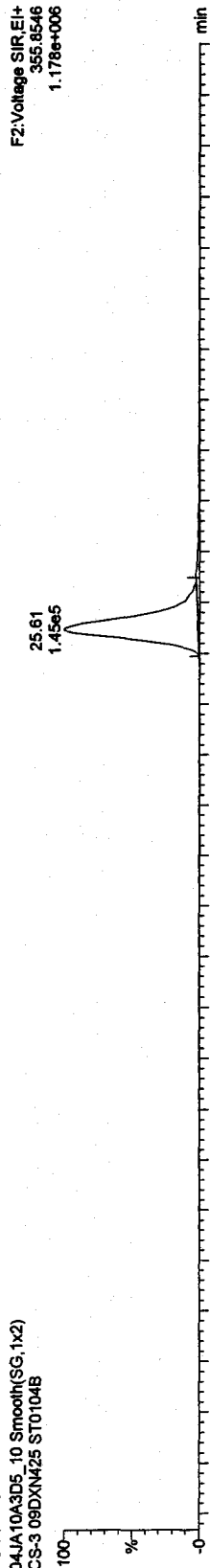
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

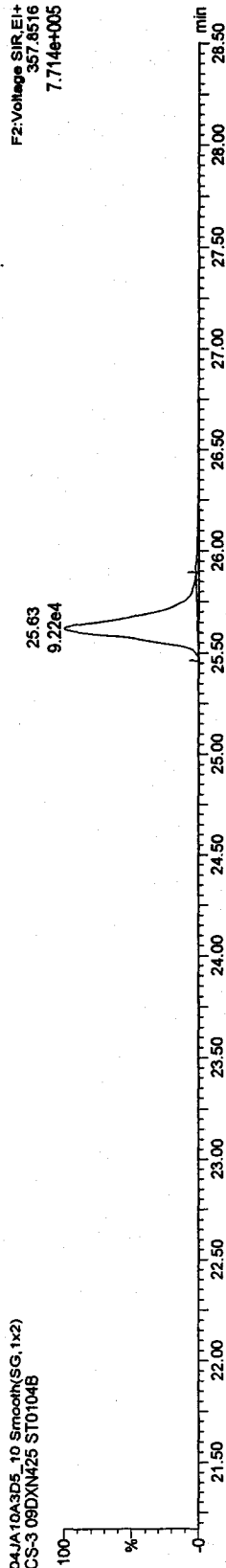
Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

PeCDDs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

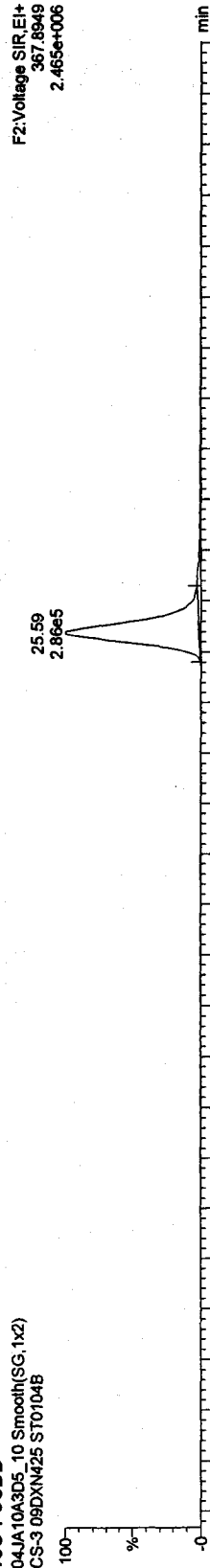


04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

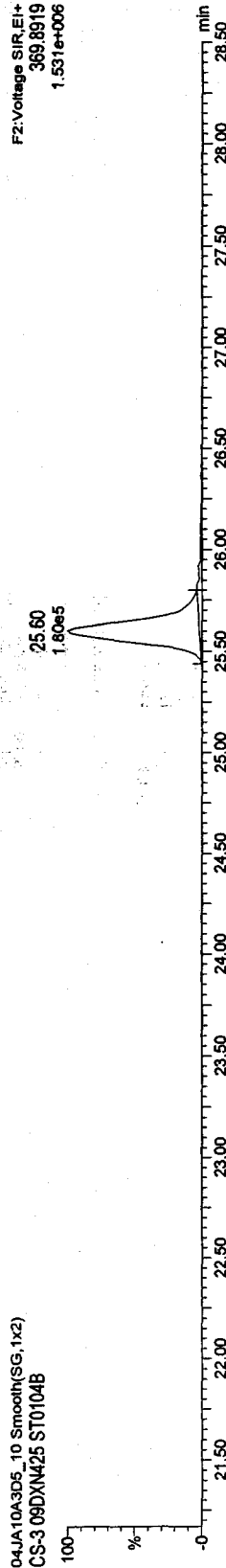


13C-PeCDD

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

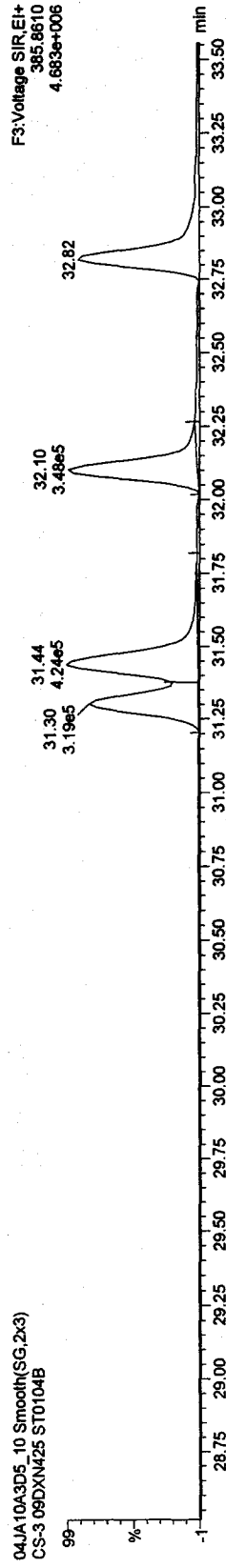
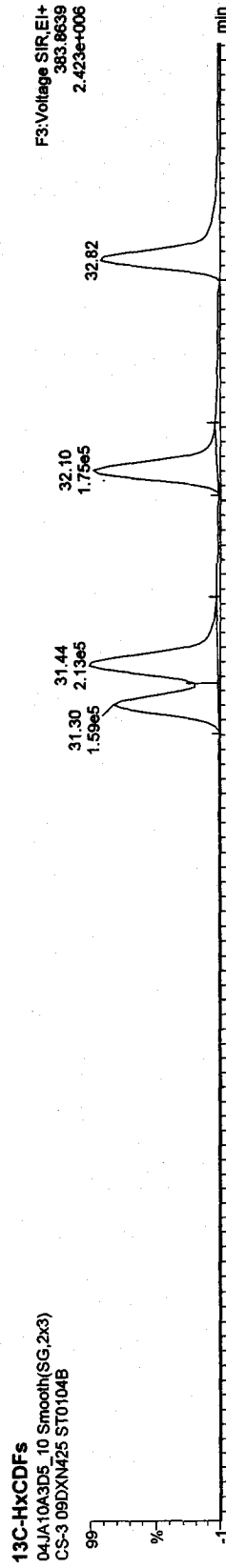
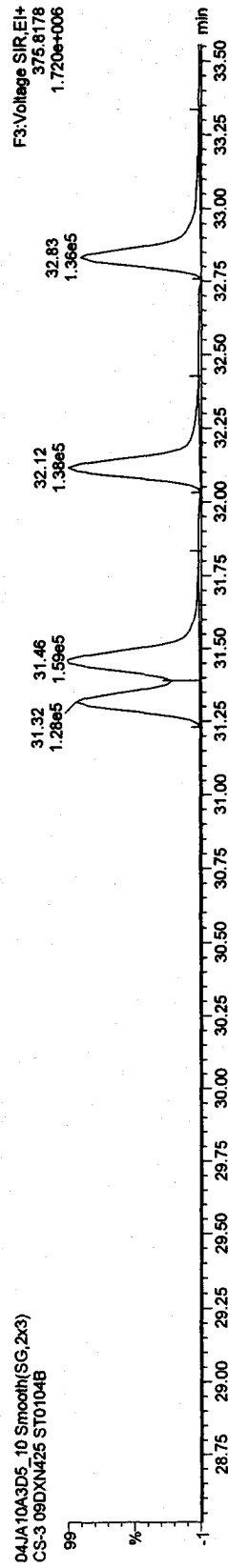
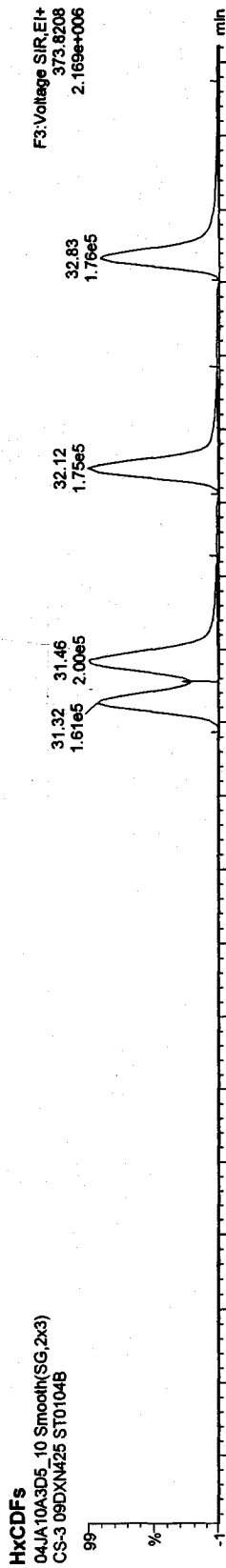


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

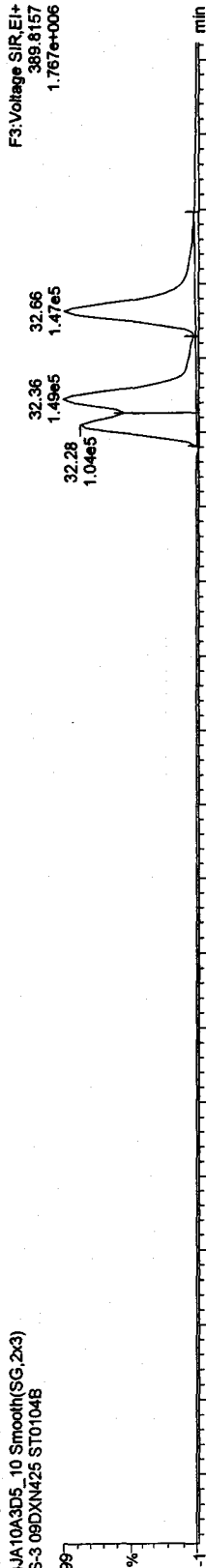
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

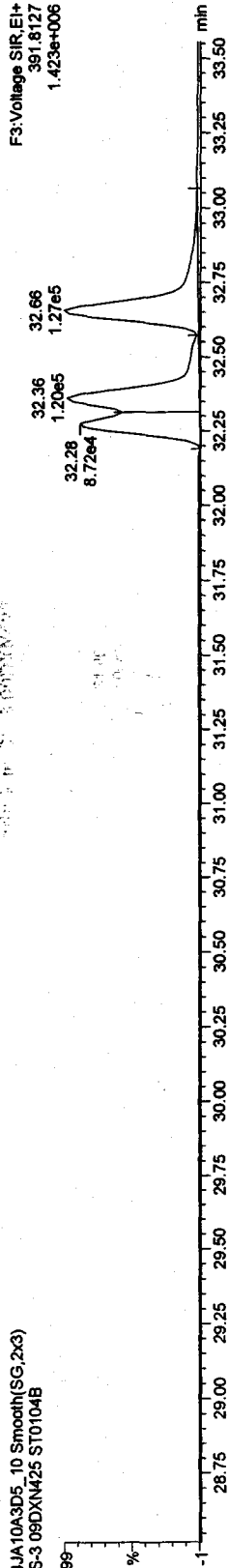
Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

HxCDDs

04JA10A3D5\_10 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104B

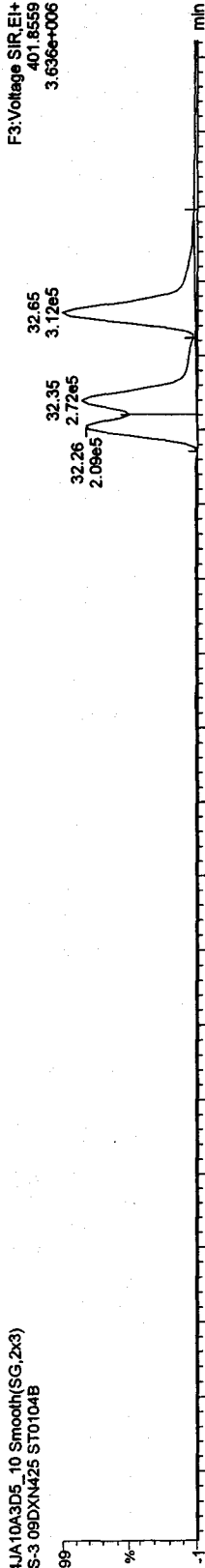


04JA10A3D5\_10 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104B

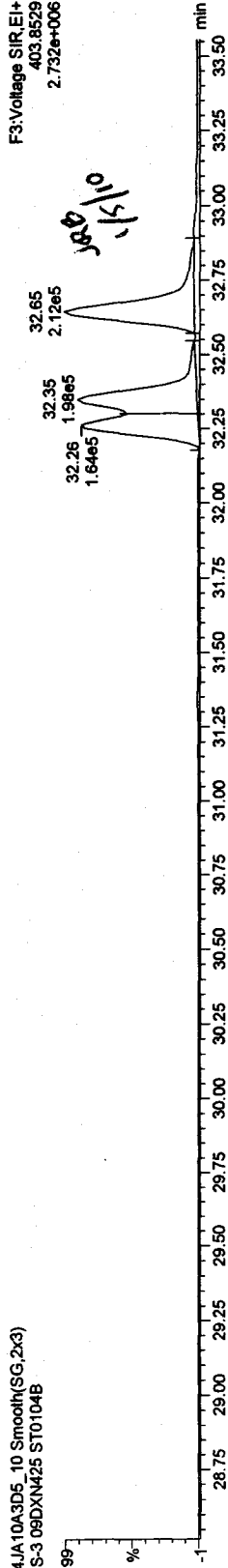


13C-HxCDDs

04JA10A3D5\_10 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104B



04JA10A3D5\_10 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104B



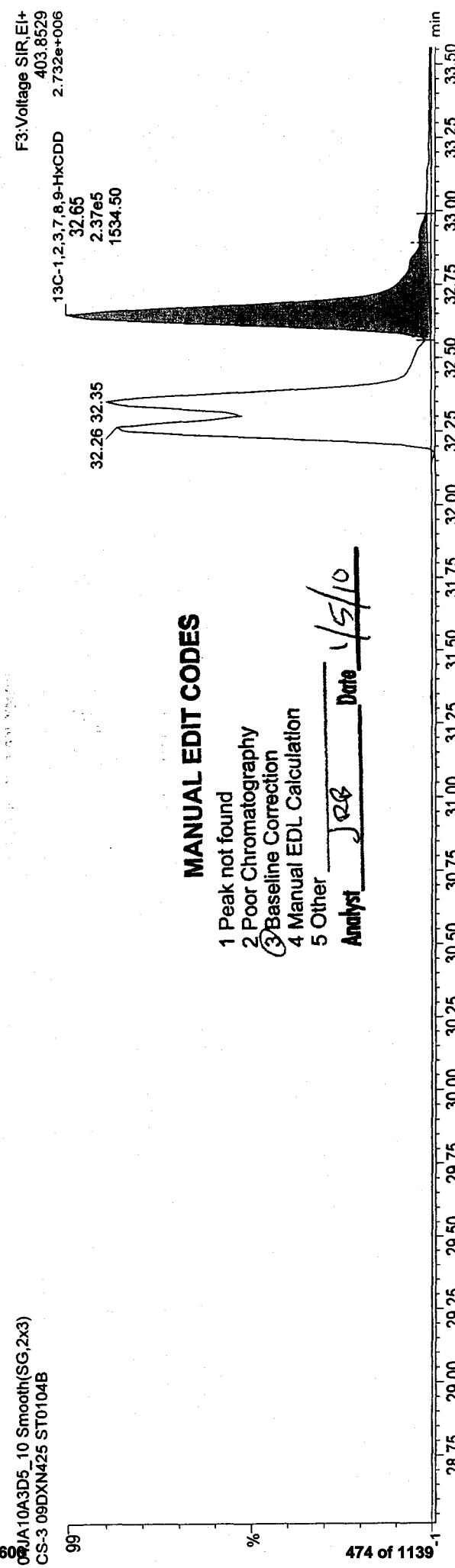
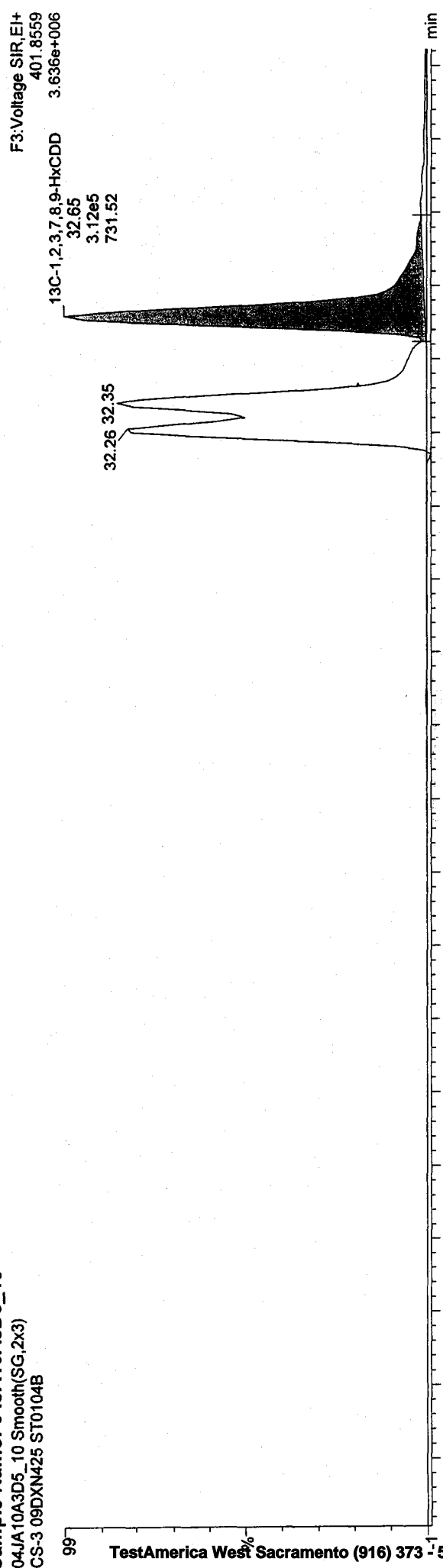
Quantify Compound Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 15:48:51 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 15:49:40 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 04 Jan 2010 09:44:45  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA123120093D58290.cdb 31 Dec 2009 13:37:23

Sample Name: 04JA10A3D5\_10  
04JA10A3D5\_10 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104B



MANUAL EDIT CODES

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

Analyst: JRB Date: 1/5/10



Quantify Sample Report MassLynx 4.1

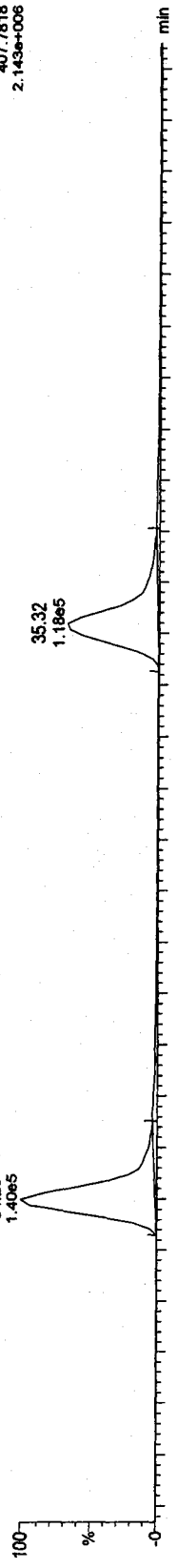
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

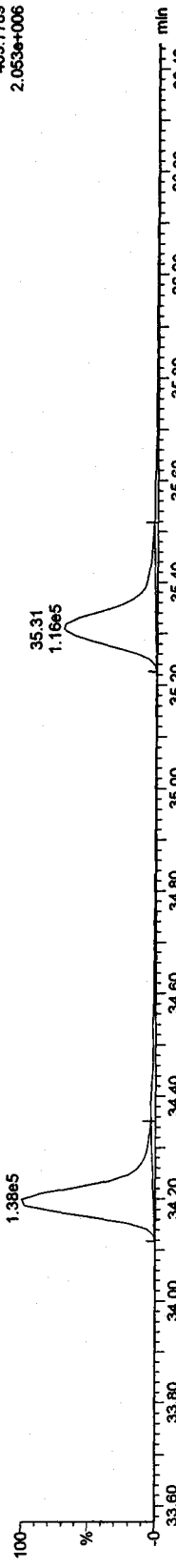
Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

HpCDFs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

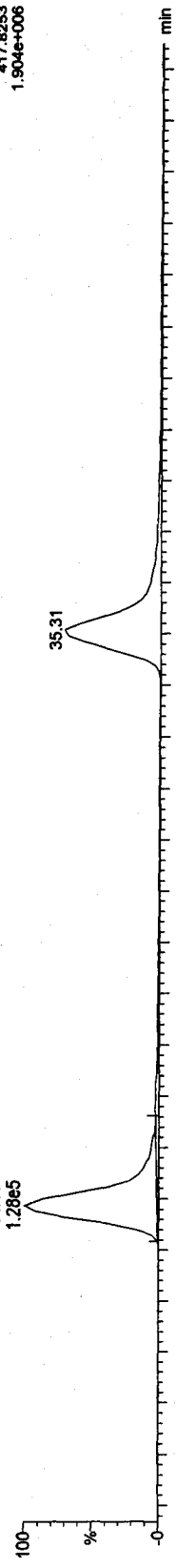


04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

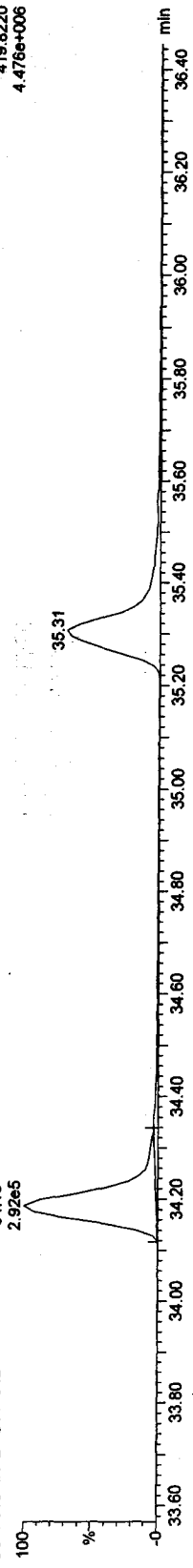


13C-HpCDFs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



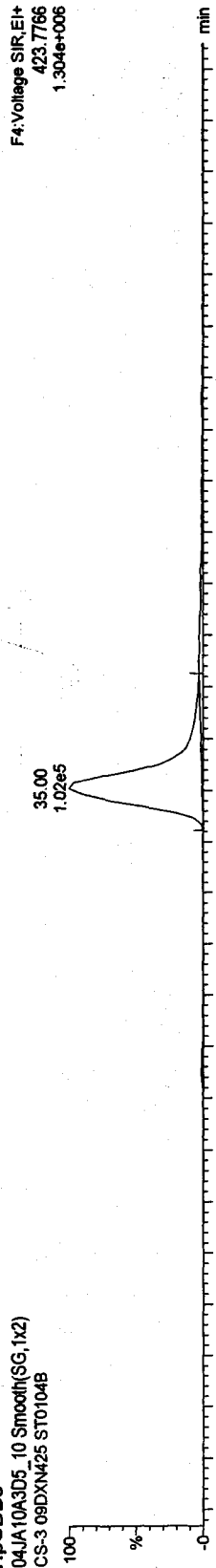
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

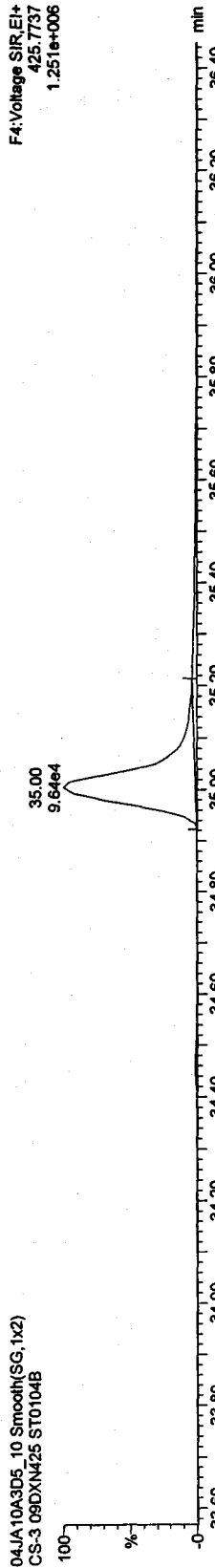
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

HpCDDs  
04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

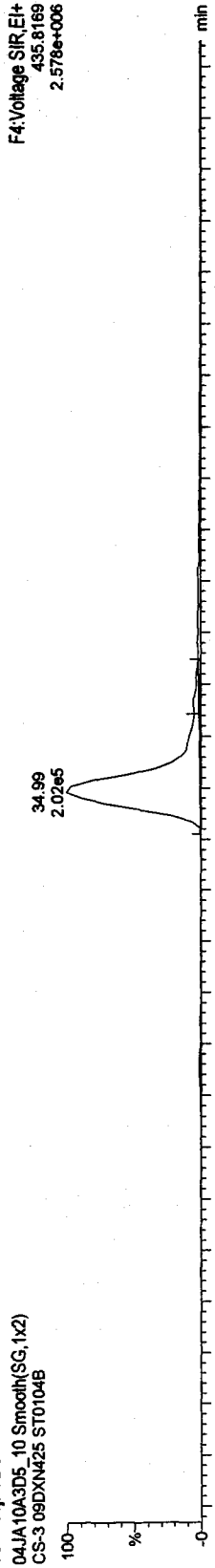


04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

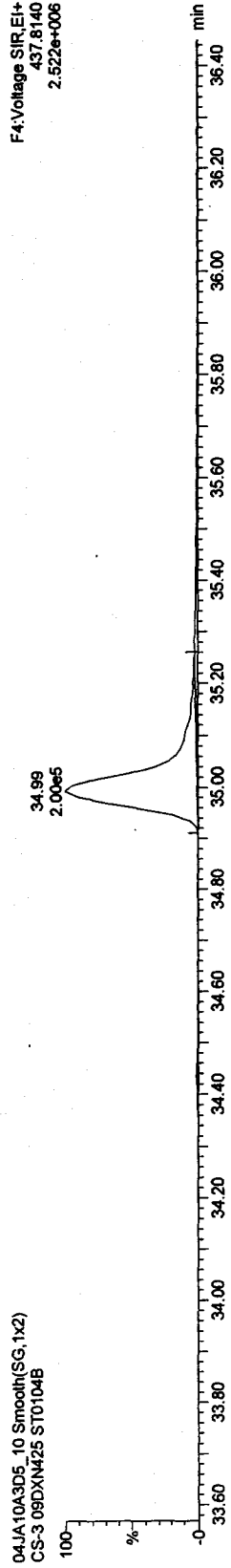


13C-HpCDD

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

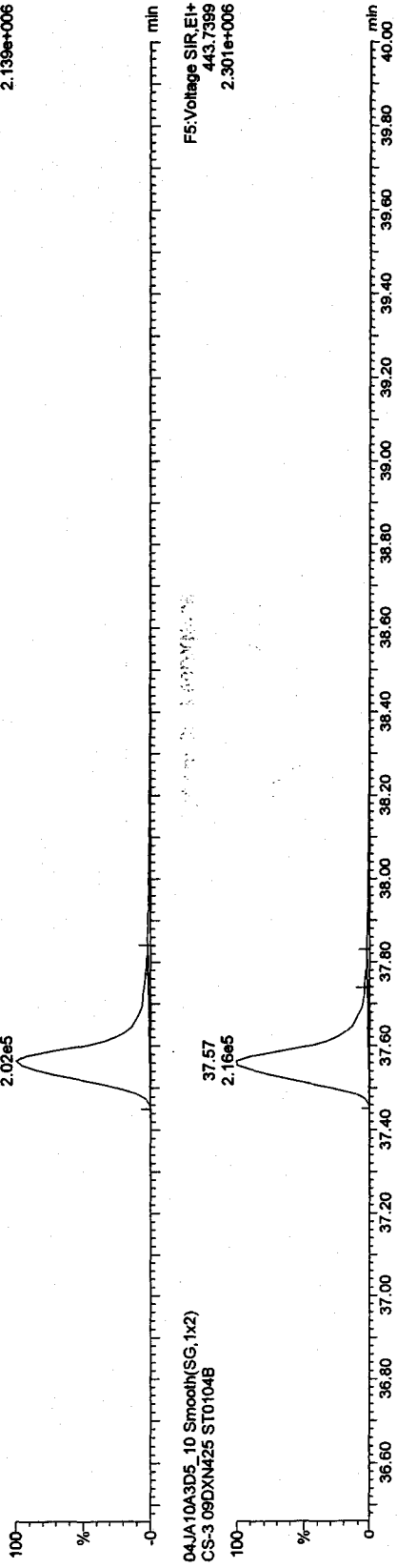
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

OCDFs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

F5:Voltage SIR,EI+  
441.7428  
2.139e+006



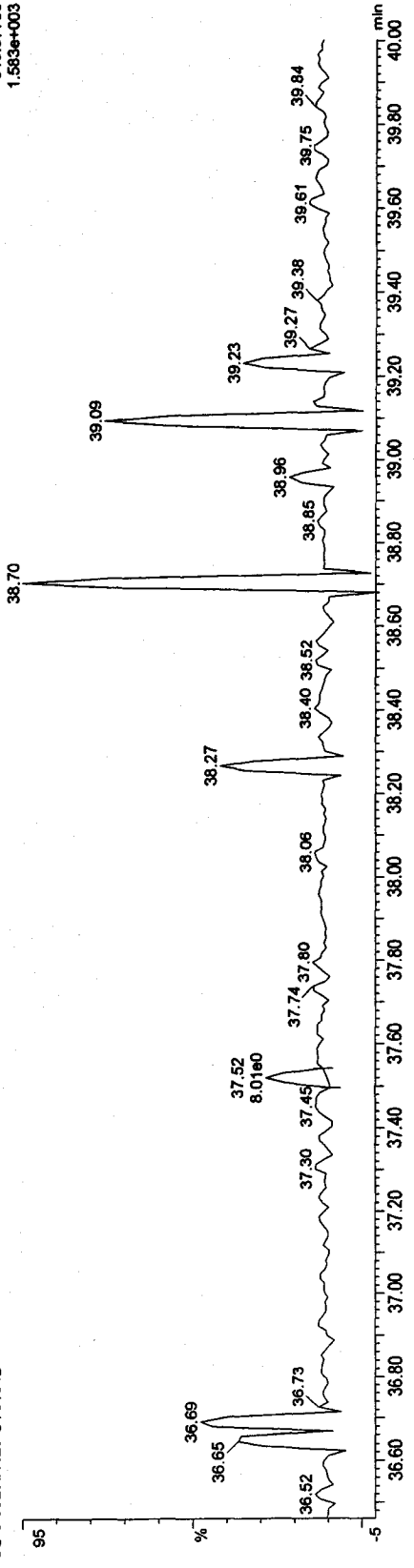
04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

F5:Voltage SIR,EI+  
443.7399  
2.301e+006

OCDF PCDFE

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

F5:Voltage SIR,EI+  
513.67750  
1.583e+003

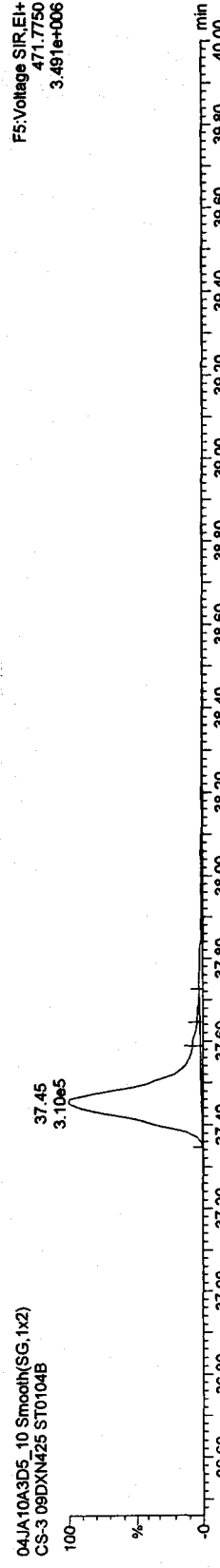
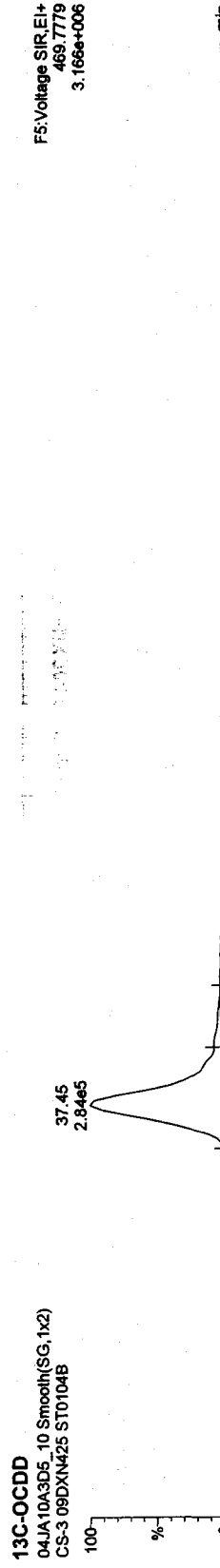
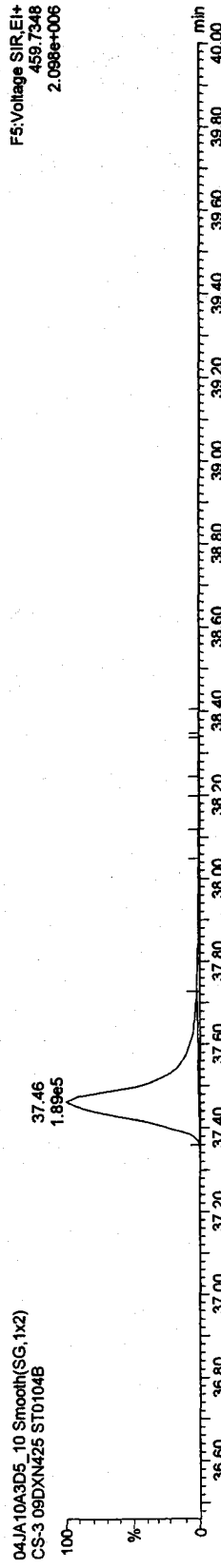
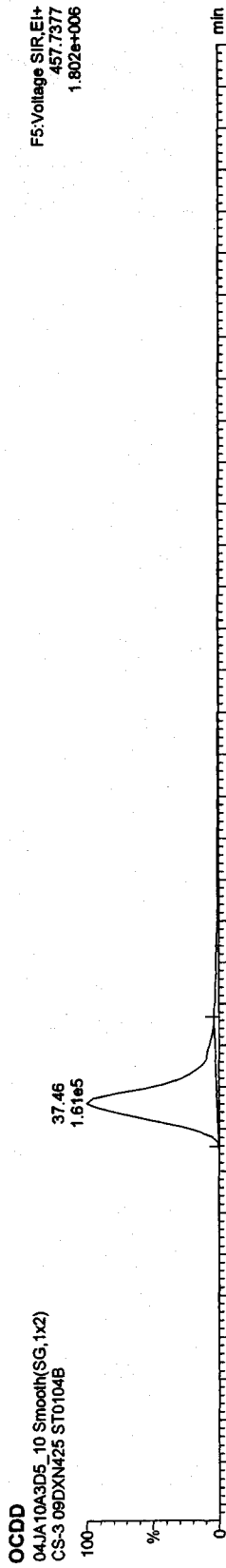


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

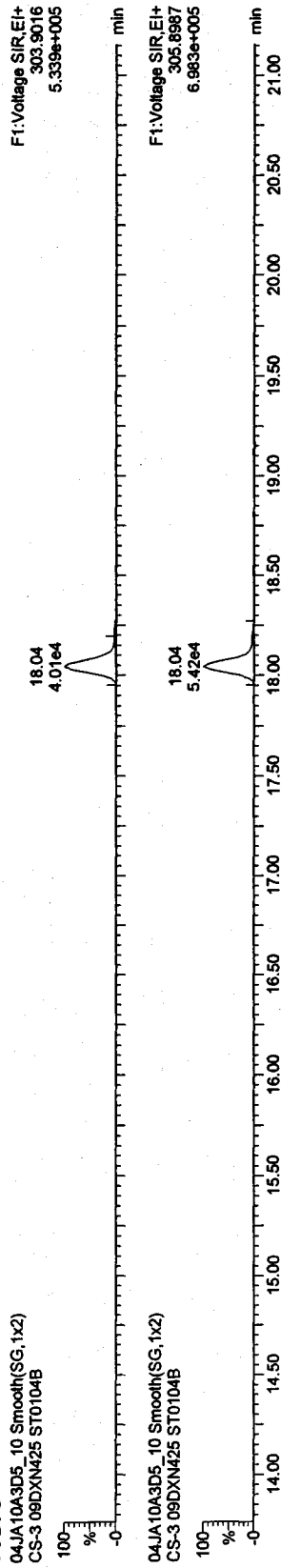
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

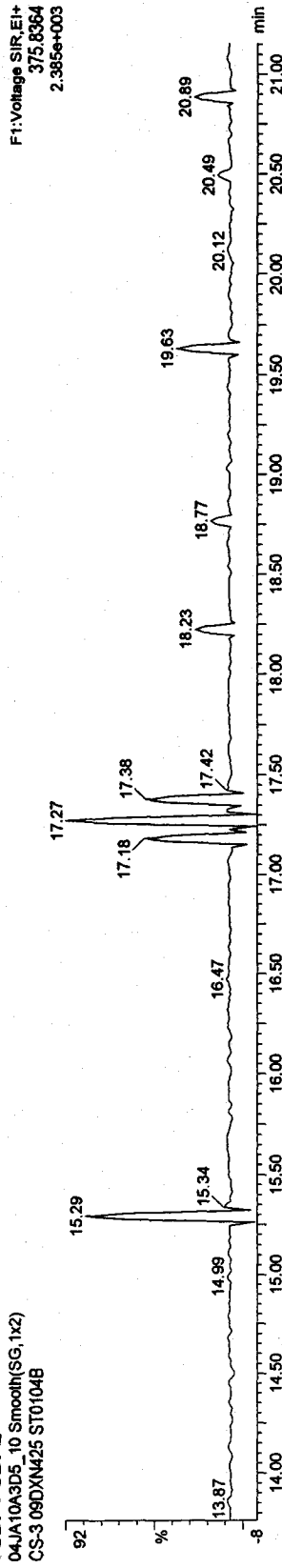
TCDFs

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



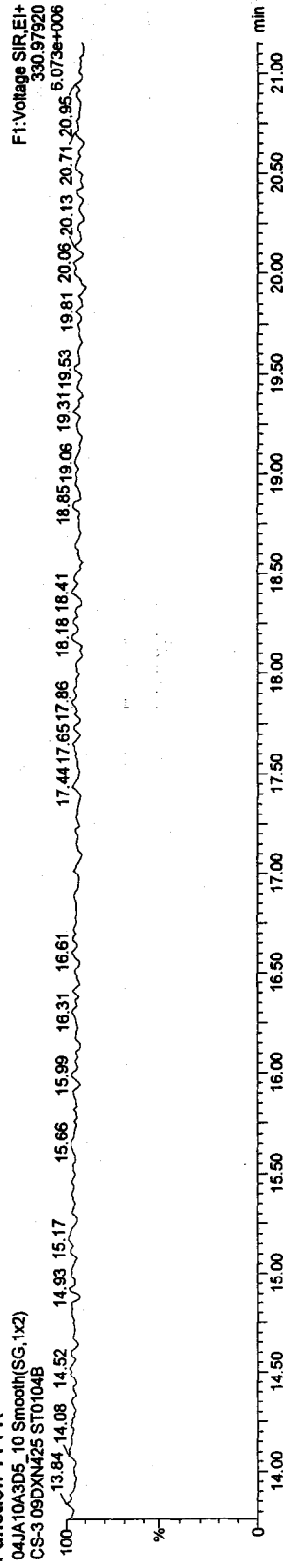
TCDF PCDFE

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



Function 1 PFK

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



Quantify Sample Report MassLynx 4.1

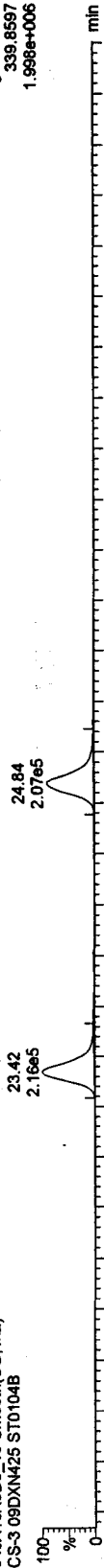
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

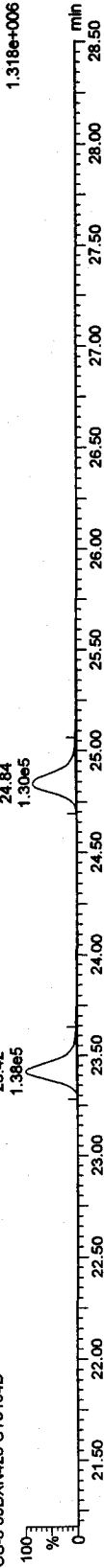
Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

PeCDF

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

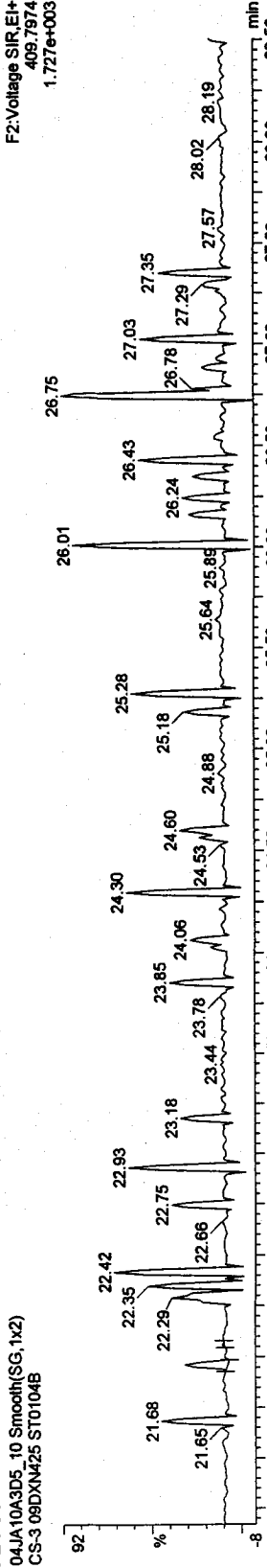


04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



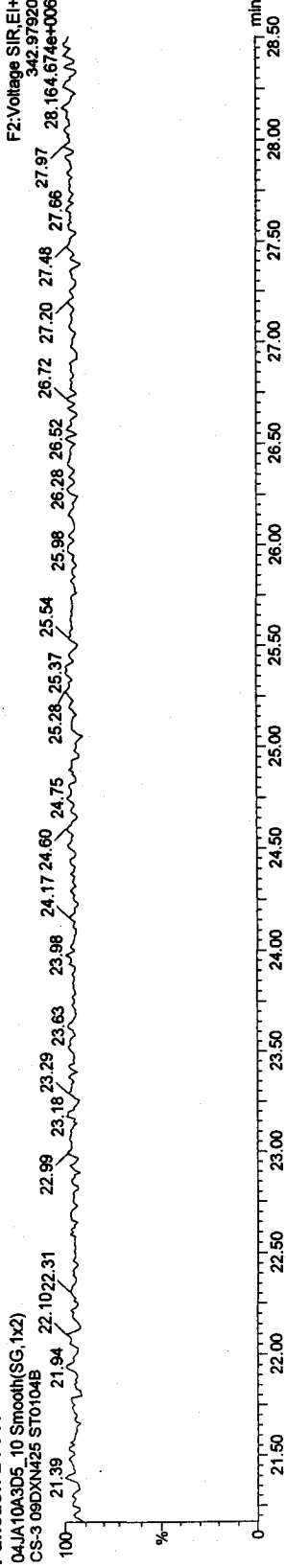
F2 PeCDF PCDFE

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



Function 2 PFK

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



Quantify Sample Report MassLynx 4.1

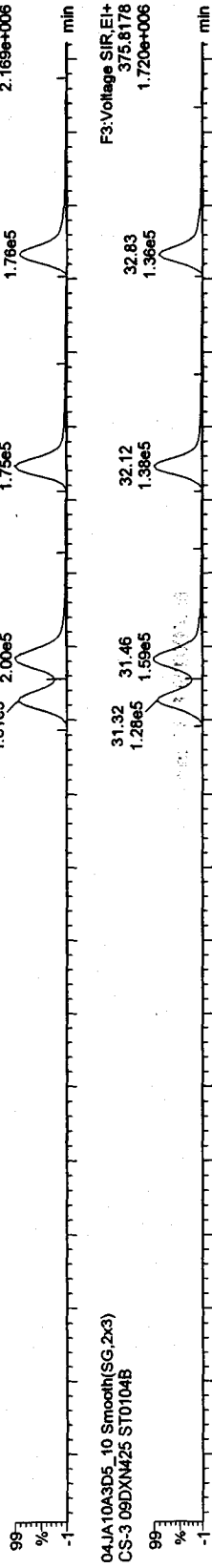
Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

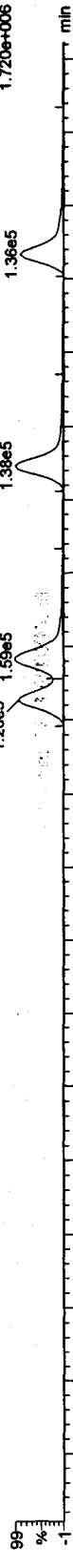
HxCDFs

04JA10A3D5\_10 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104B



F3:Voltage SIR.EI+  
373.8208  
2.169e+006

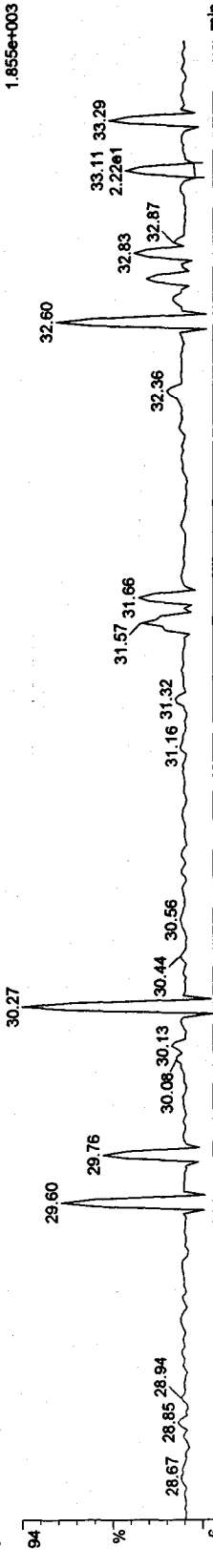
04JA10A3D5\_10 Smooth(SG,2x3)  
CS-3 09DXN425 ST0104B



F3:Voltage SIR.EI+  
375.6178  
1.720e+006

HxCDF PCDFE

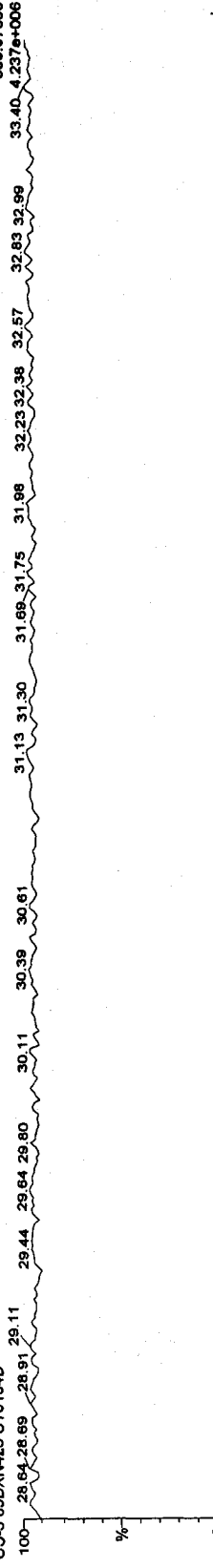
04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F3:Voltage SIR.EI+  
445.7555  
1.855e+003

Function 3 PFK

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B



F3:Voltage SIR.EI+  
380.97600





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04JA10A3D58290A.qld

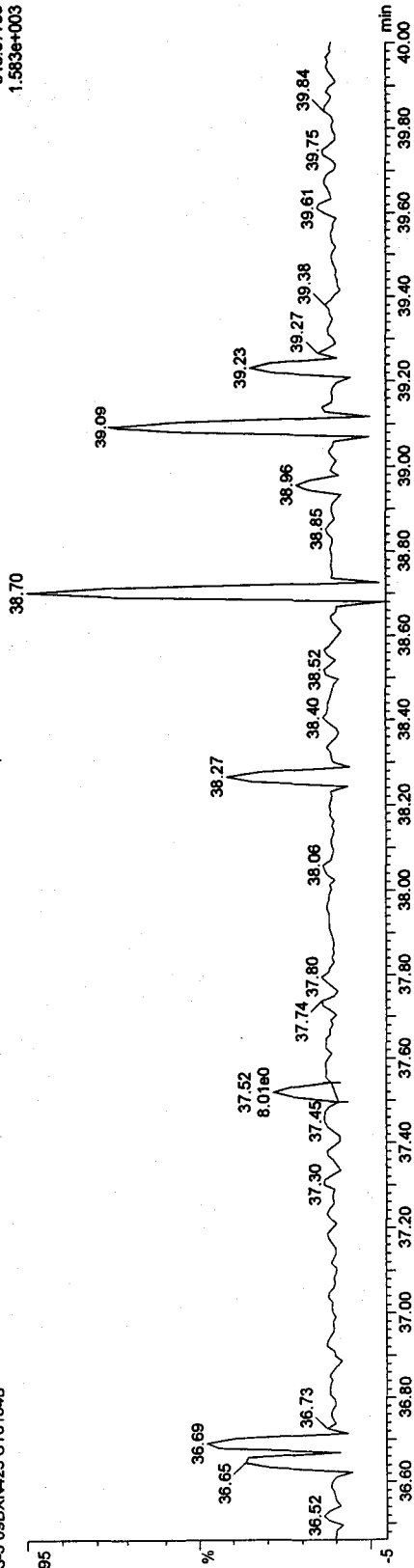
Last Altered: Tuesday, January 05, 2010 09:15:15 Pacific Standard Time  
Printed: Tuesday, January 05, 2010 09:19:07 Pacific Standard Time

Name: 04JA10A3D5\_10, Date: 04-Jan-2010, Time: 22:51:51, ID: ST0104B, Description: CS-3 09DXN425

OCDF PCDPE

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

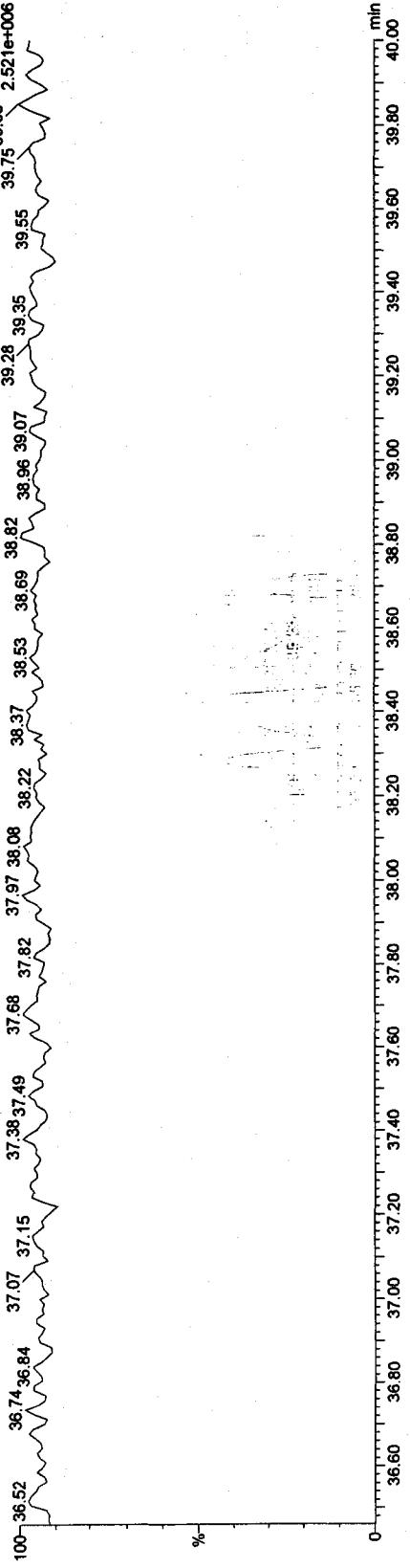
F5:Voltage SIR,EI+  
513.67750  
1.583e+003



Function 5 PFK

04JA10A3D5\_10 Smooth(SG,1x2)  
CS-3 09DXN425 ST0104B

F5:Voltage SIR,EI+  
39.85 442.97280  
39.75 2.521e+006



Method ID 8290  
 Column ID DB225  
 STD ID ST0105C, ST0105D  
 Analyzed by A.M.  
 Std. Pkg. By M.G.  
 Std. Pkg. Reviewed By MFW

Associated ICAL DB2250104105D2  
 Instrument ID 502  
 STD Solution 09DXN425  
 Date Analyzed 1/5/10, 1/6/10  
 Date Std. Pkg. Assembled 1/6/10  
 Date Std. Pkg. Reviewed 1/6/10

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: ST0105C  
Run #6 Filename 05JA10A5D2 S: 1  
Acquired: 5-JAN-10 22:05:44  
Run: 05JA10A5D2 Analyte: DB225

File text: CS-3 09DXN425  
I: 1  
Processed: 5-JAN-10 22:37:11  
Cal: DB2250104105D2 Results: 05JA10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	75499700	0.79 y	14:17	-	100.00	-	n
13C-2,3,7,8-TCDF	136600700	0.79 y	15:23	1.81	100.00	8.8	n
2,3,7,8-TCDF	12598670	0.78 y	15:25	0.92	10.00	-9.0	n
13C-2,3,7,8-TCDD	73914000	0.75 y	14:04	0.98	100.00	2.9	n
2,3,7,8-TCDD	9680380	0.74 y	14:06	1.31	10.00	10.8	n
37Cl-2,3,7,8-TCDD	19618660	1.00 y	14:05	2.60	10.00	25.7	n

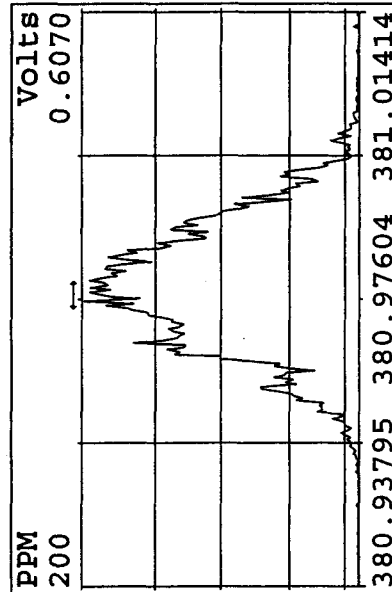
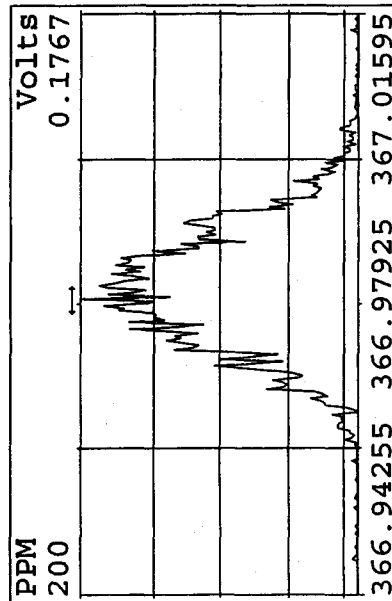
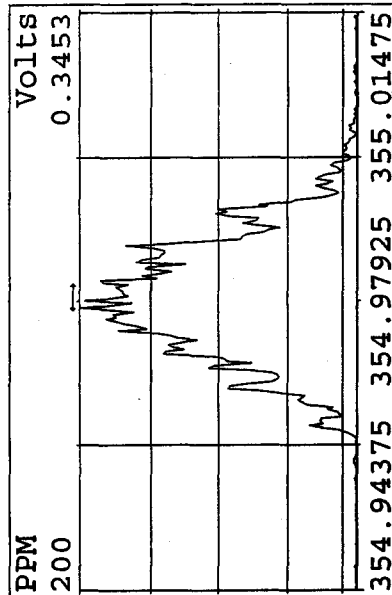
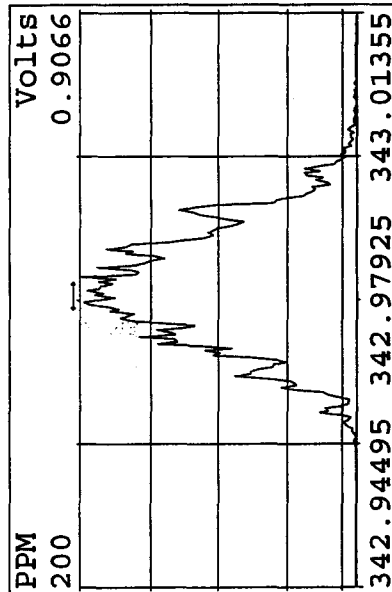
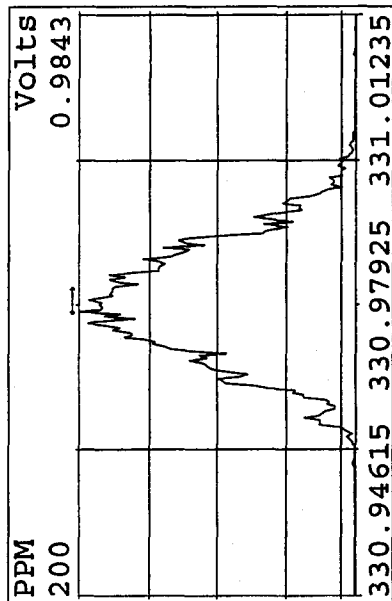
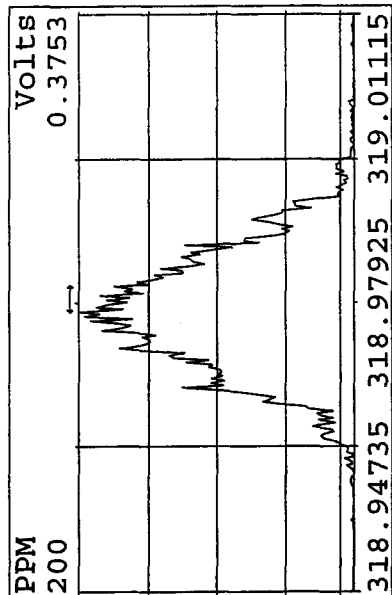
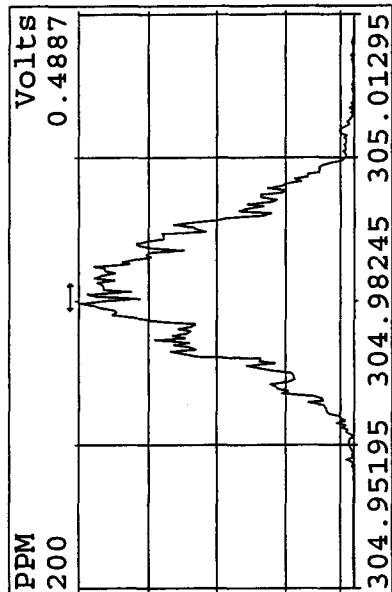
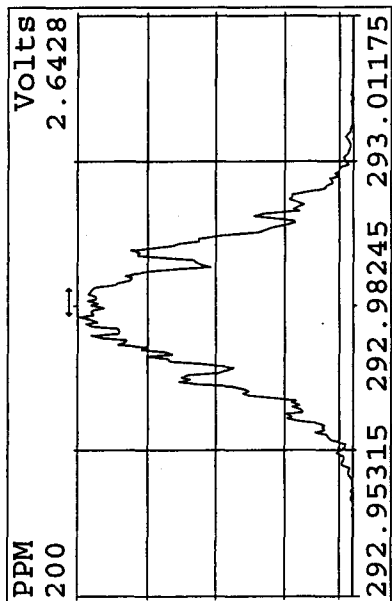
Run text: ST0105D File text: ST0105D :CS3 09DXN425  
Run #19 Filename 05JA10A5D2 S: 16 I: 1  
Acquired: 6-JAN-10 07:28:46 Processed: 6-JAN-10 08:20:17  
Run: 05JA10A5D2 Analyte: DB225 Cal: DB2250104105D2 Results: 05JA10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	53049600	0.79 y	14:16	-	100.00	-	n
13C-2,3,7,8-TCDF	100023200	0.81 y	15:22	1.89	100.00	13.3	n
2,3,7,8-TCDF	9955540	0.82 y	15:23	1.00	10.00	-1.8	n
13C-2,3,7,8-TCDD	54083500	0.79 y	14:03	1.02	100.00	7.2	n
2,3,7,8-TCDD	7103190	0.76 y	14:04	1.31	10.00	11.1	n
37Cl-2,3,7,8-TCDD	13174480	1.00 y	14:04	2.48	10.00	20.1	n

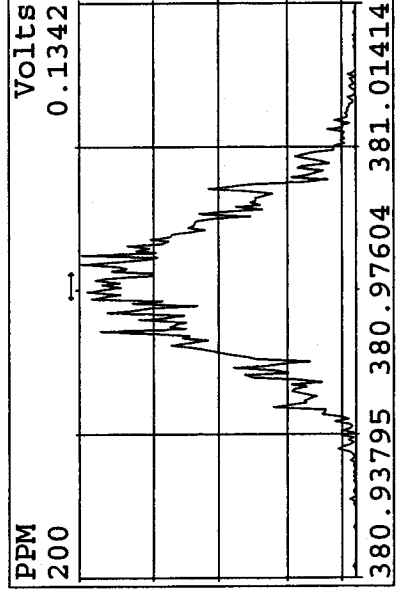
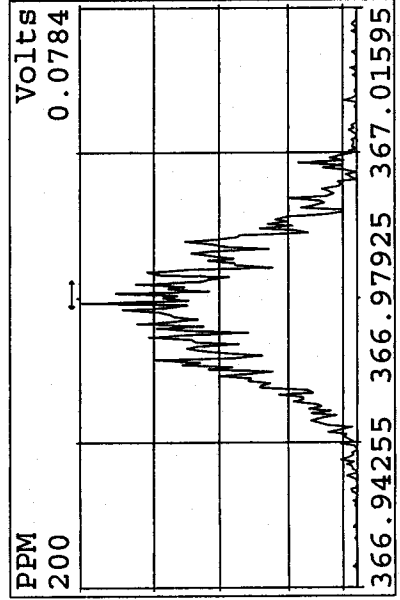
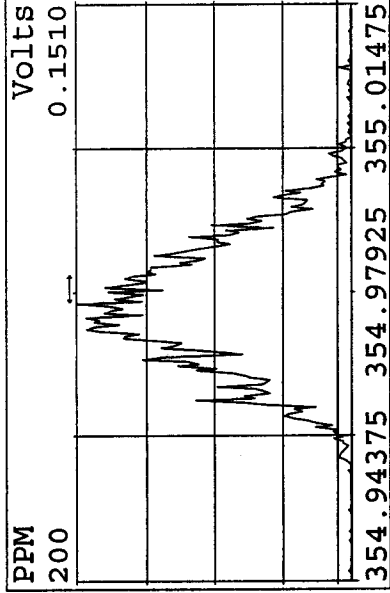
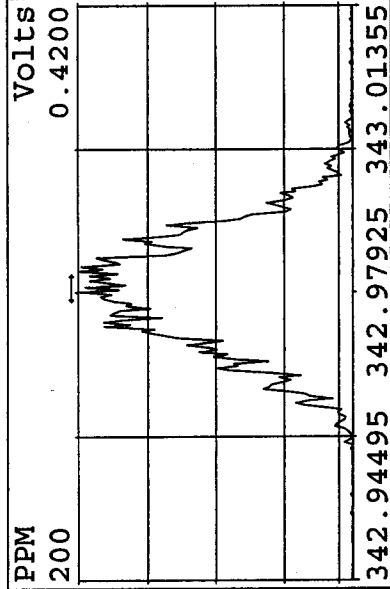
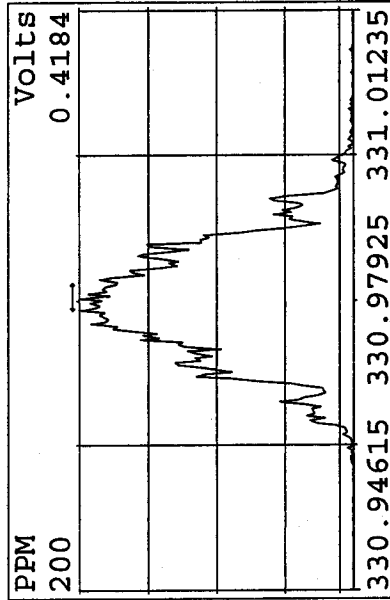
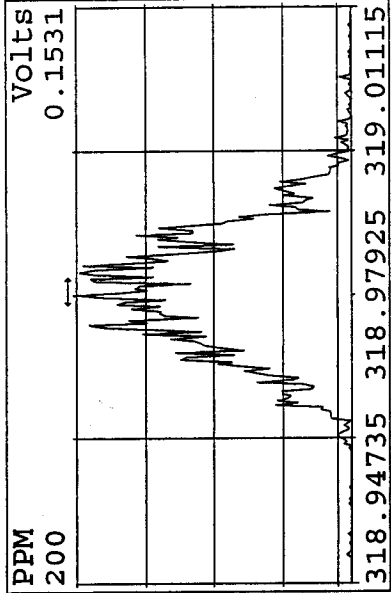
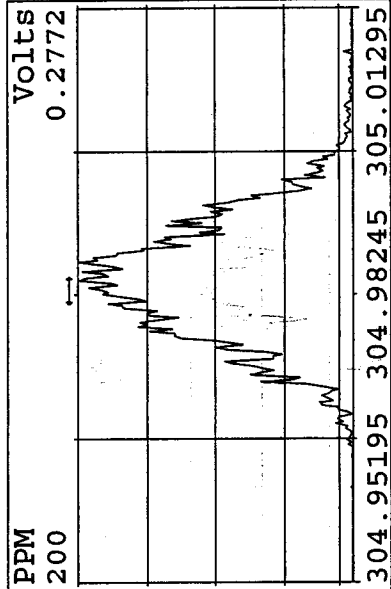
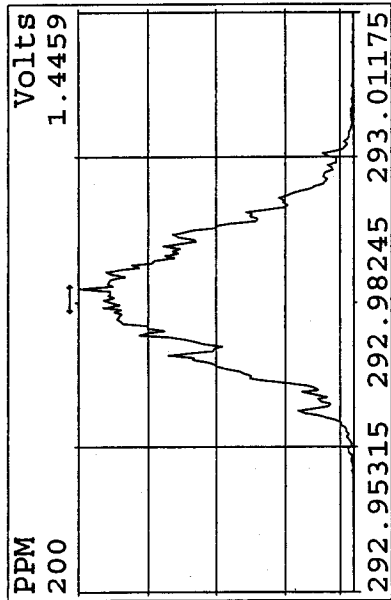
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
05JA10A5D2	1	ST0105C	CS3 09DXN425				1.000	
05JA10A5D2	2	CP0105B	DB-225 CPSM 3732-01				1.000	
05JA10A5D2	3	SB0105B	Solvent Blank C-14				1.000	
05JA10A5D2	4	LQ89T-1-AC	G9L170538-2	10	8290/SOLID	73	10.360 g	
05JA10A5D2	5	LQ89X-1-AC	G9L170538-3	10	8290/SOLID		10.350 g	
05JA10A5D2	6	LQ892-1-AC	G9L170538-4	10	8290/SOLID		10.000 g	
05JA10A5D2	7	LQ895-1-AC	G9L170538-7	10	8290/SOLID		10.180 g	
05JA10A5D2	8	LQ897-1-AC	G9L170538-8	10	8290/SOLID		10.650 g	
05JA10A5D2	9	LQ898-1-AC	G9L170538-9	10	8290/SOLID		10.080 g	
05JA10A5D2	10	LRL8V-1-AC	G9L240493-2/	10	8290/SOLID	75	10.030 g	
05JA10A5D2	11	LQ89Q-1-AC	G9L170538-1	10	8290/SOLID	73	10.010 g	
05JA10A5D2	12	LQ893-1-AC	G9L170538-5	10	8290/SOLID		10.290 g	
05JA10A5D2	13	LQ894-1-AC	G9L170538-6	10	8290/SOLID		10.300 g	
05JA10A5D2	14	LRL8H-1-AC	G9L240493-1/	10	8290/SOLID	75	10.190 g	
05JA10A5D2	15	SB0105C	Solvent Blank C-14				1.000	
05JA10A5D2	16	ST0105D	CS3 09DXN425				1.000	
05JA10A5D2	17						1.000	
05JA10A5D2	18						1.000	
05JA10A5D2	19						1.000	
05JA10A5D2	20						1.000	
05JA10A5D2	21						1.000	
05JA10A5D2	22						1.000	
JA10A5D2	23		AM 01-05-10				1.000	
05JA10A5D2	24						1.000	

reviewed  
by  
MS  
1/6/10

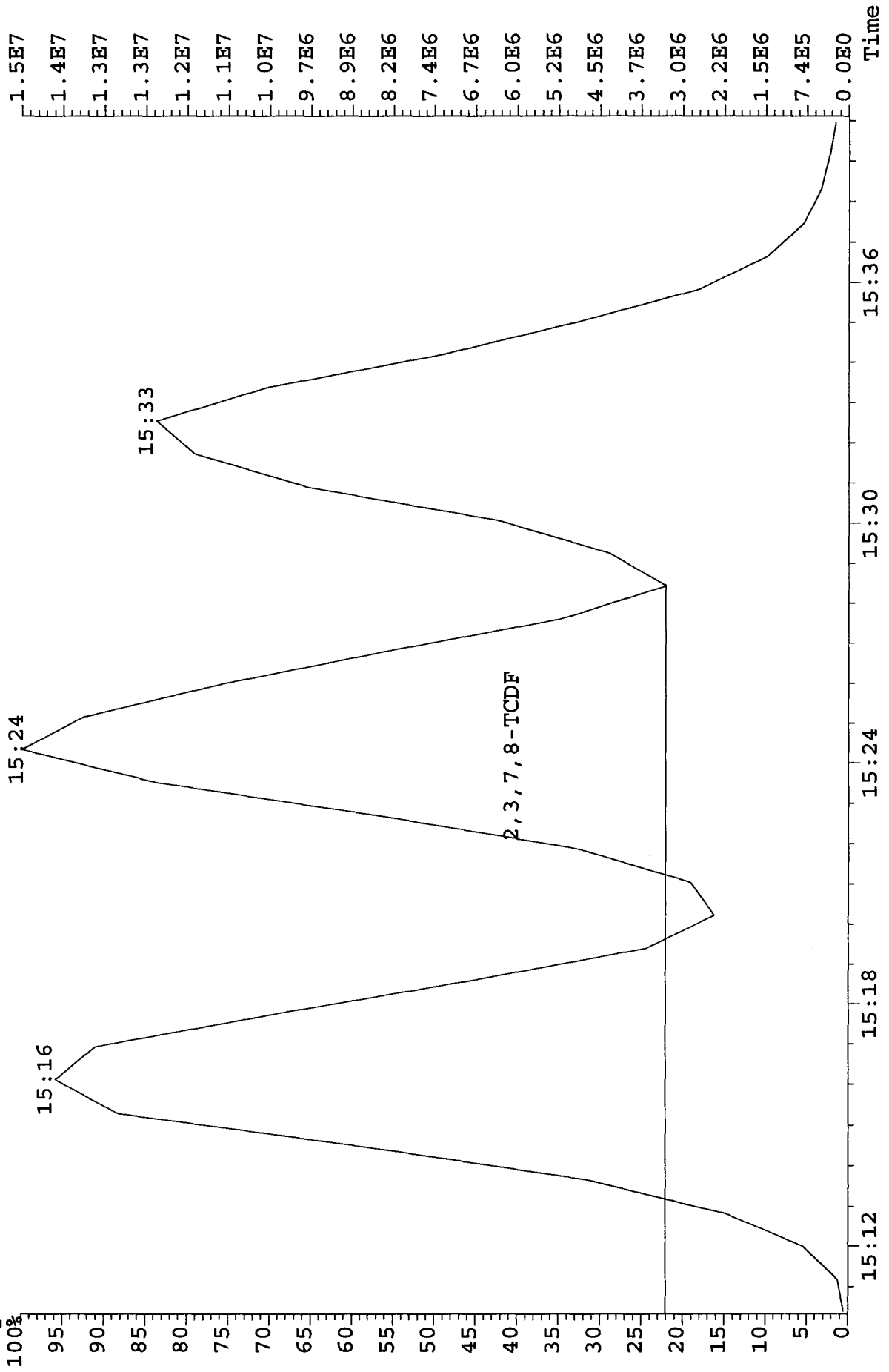
Peak Locate Examination: 5-JAN-2010:22:03 File:05JA10A5D2  
 Experiment:DB225 Function:1 Reference:PFK



Peak Locate Examination: 6-JAN-2010:08:32 File:ENDRES05JA10A5D2  
 Experiment:DB225 Function:1 Reference:PFK



File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:42:51 GC EI+ Voltage SIR 70SE  
 305.8987 S:2 Exp:DB225  
 Sample Text:CP0105B :DB-225 CPSM 3732-01





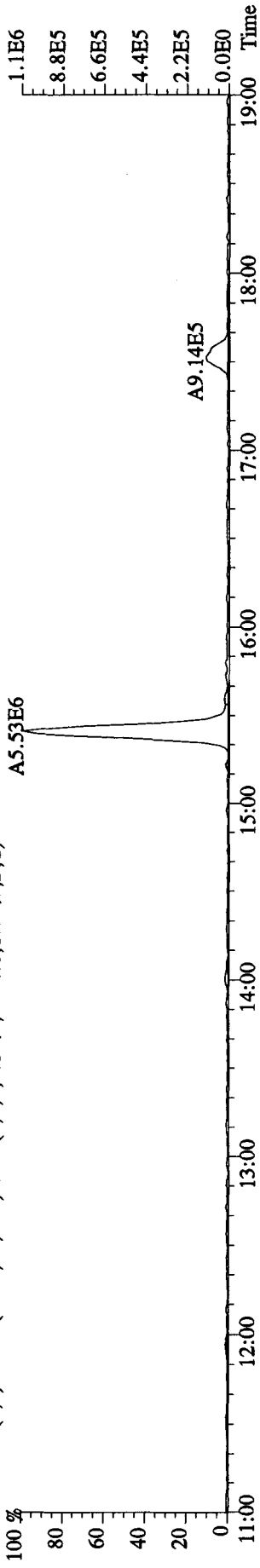
Run: 05JA10A5D2 Analyte: DB225 Cal: DB2250104105D2

Name	Mean	S. D.	%RSD	S3	RRF1	S4	RRF2	S5	RRF3	S6	RRF4	S7	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-	-	-	-	-
13C-2,3,7,8-TCDF	1.664	0.062	3.75 %	1.65	1.58	1.73	1.72	1.64	1.73	1.72	1.72	1.64	1.64
2,3,7,8-TCDF	1.014	0.078	7.69 %	1.14	0.94	0.97	1.01	1.00	0.97	1.01	1.01	1.00	1.00
13C-2,3,7,8-TCDD	0.951	0.045	4.78 %	0.98	0.90	0.99	0.98	0.91	0.99	0.98	0.98	0.91	0.91
2,3,7,8-TCDD	1.183	0.038	3.23 %	1.19	1.21	1.12	1.18	1.22	1.12	1.18	1.18	1.22	1.22
37Cl-2,3,7,8-TCDD	2.068	0.541	26.2 %	2.60	2.20	1.15	2.23	2.16	1.15	2.23	2.23	2.16	2.16

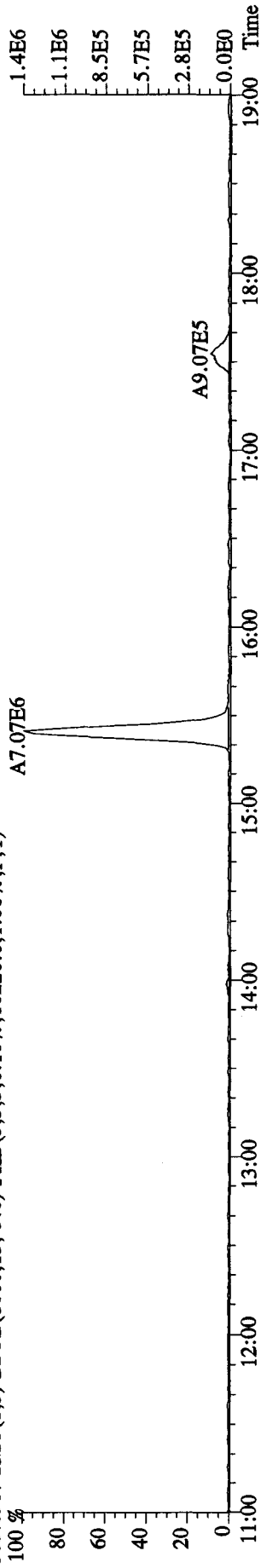
ST0104D : CS-1 09DXN422 ST0104E : CS-2 09DXN423 ST0104F : CS-3 09DXN425  
 ST0104G : CS-5 09DXN456 ST0104H : CS-4 09DXN426

04JA10B5D204JA10B5D204JA10B5D204JA10B5D204JA10B5D204JA10B5D2

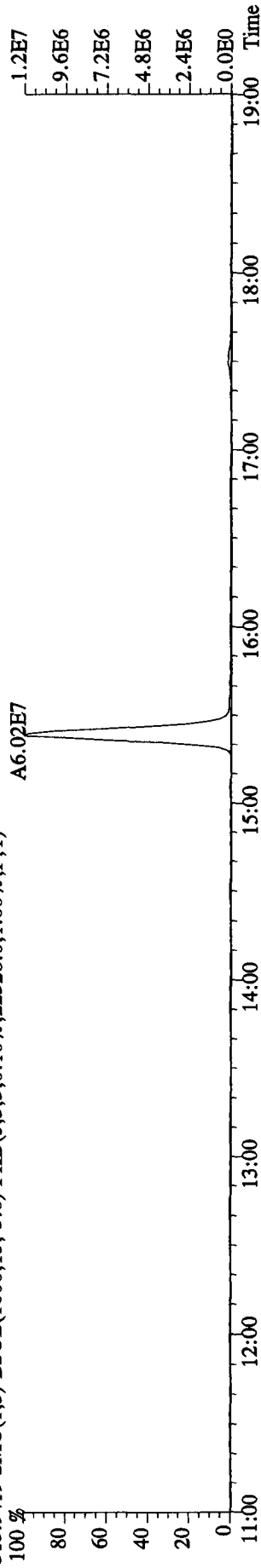
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:05:44 GC EI+ Voltage SIR 70SE  
Sample#1 Text:ST0105C :CS3 09DXN425 Exp:DB225  
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7864.0,1.00%,F,T)



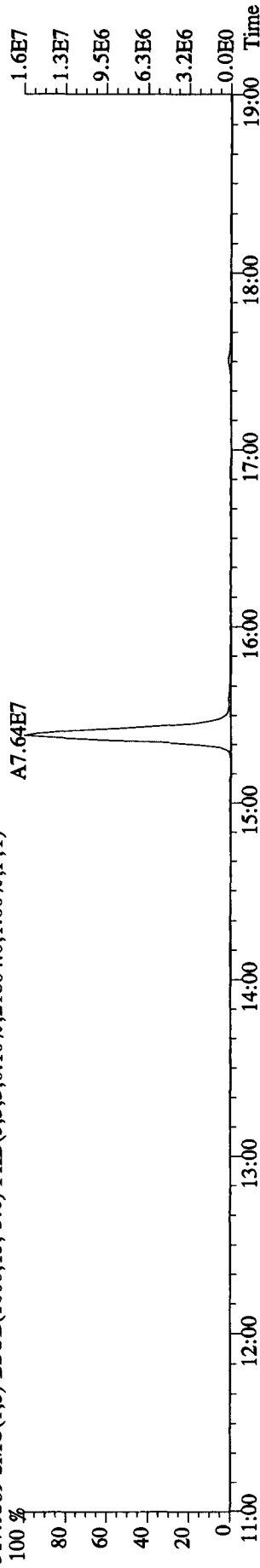
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10220.0,1.00%,F,T)



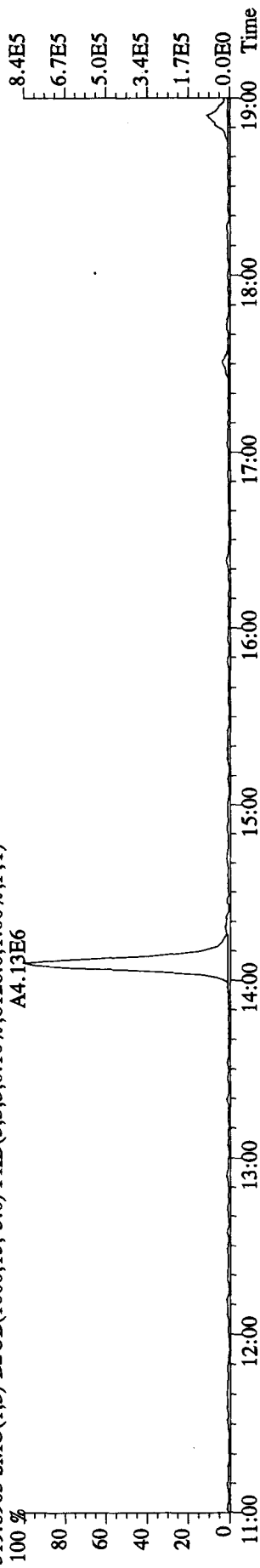
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22328.0,1.00%,F,T)



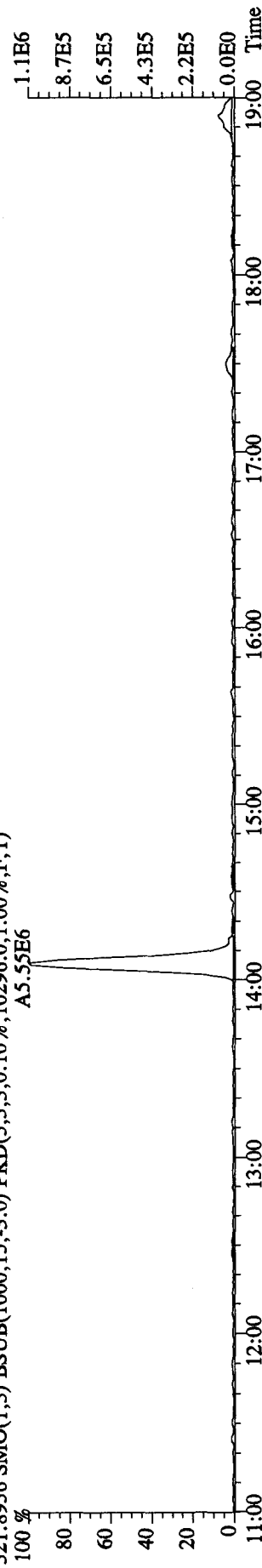
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21804.0,1.00%,F,T)



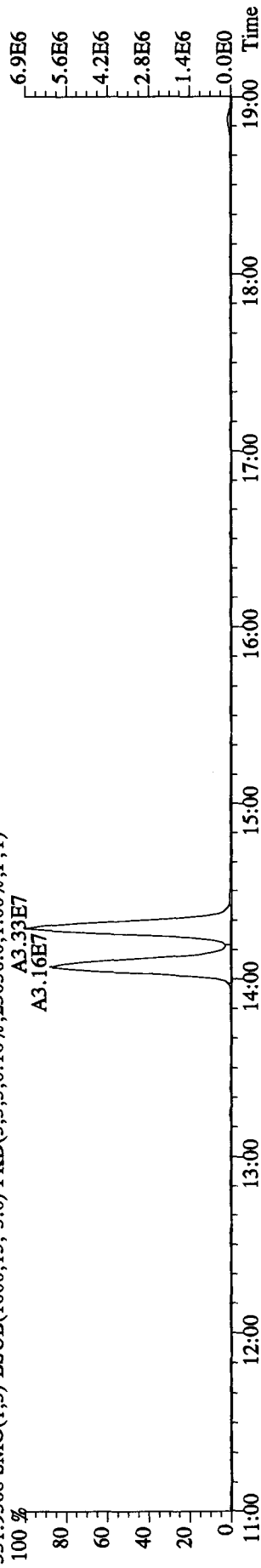
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:05:44 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0105C :CS3 09DXN425 Exp:DB225  
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8128.0,1.00%,F,T)  
 A4.13E6



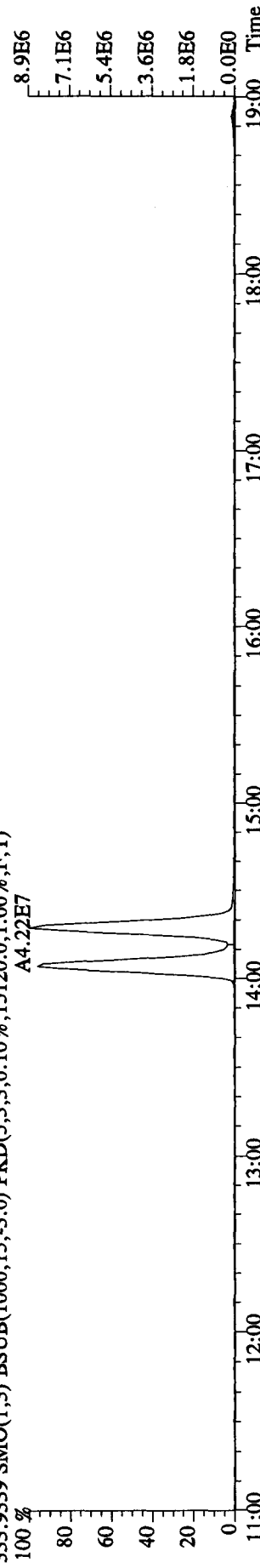
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10296.0,1.00%,F,T)  
 A5.55E6



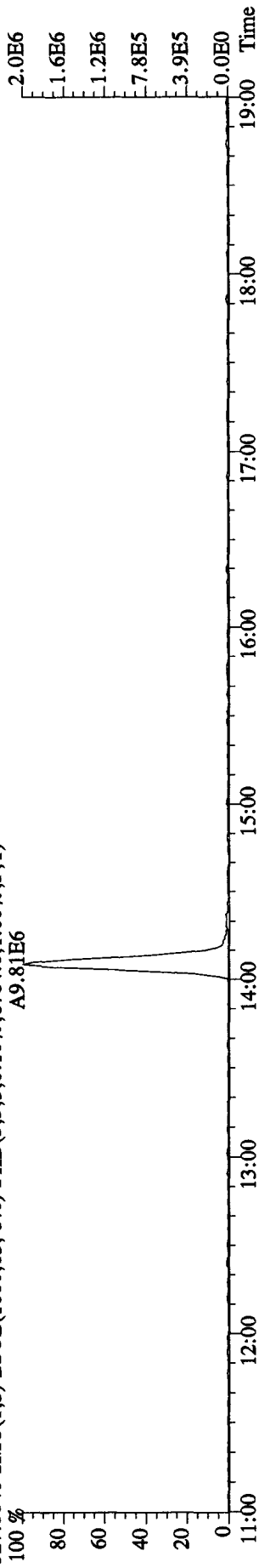
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23036.0,1.00%,F,T)  
 A3.16E7  
 A3.33E7



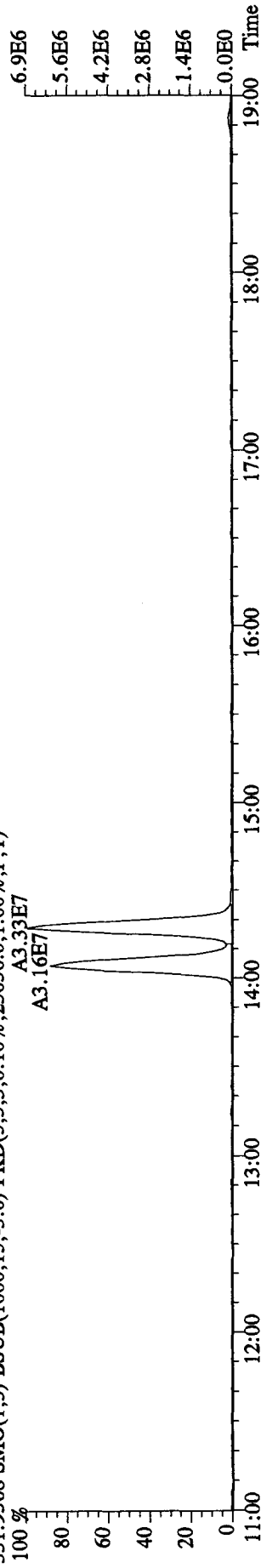
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15120.0,1.00%,F,T)  
 A4.22E7



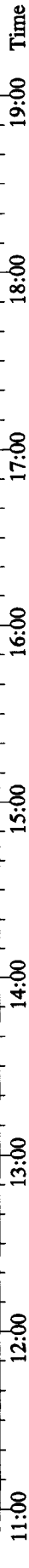
File: 05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:05:44 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: ST0105C :CS3 09DXN425 Exp: DB225  
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6784.0,1.00%,F,T)  
 A9.81E6



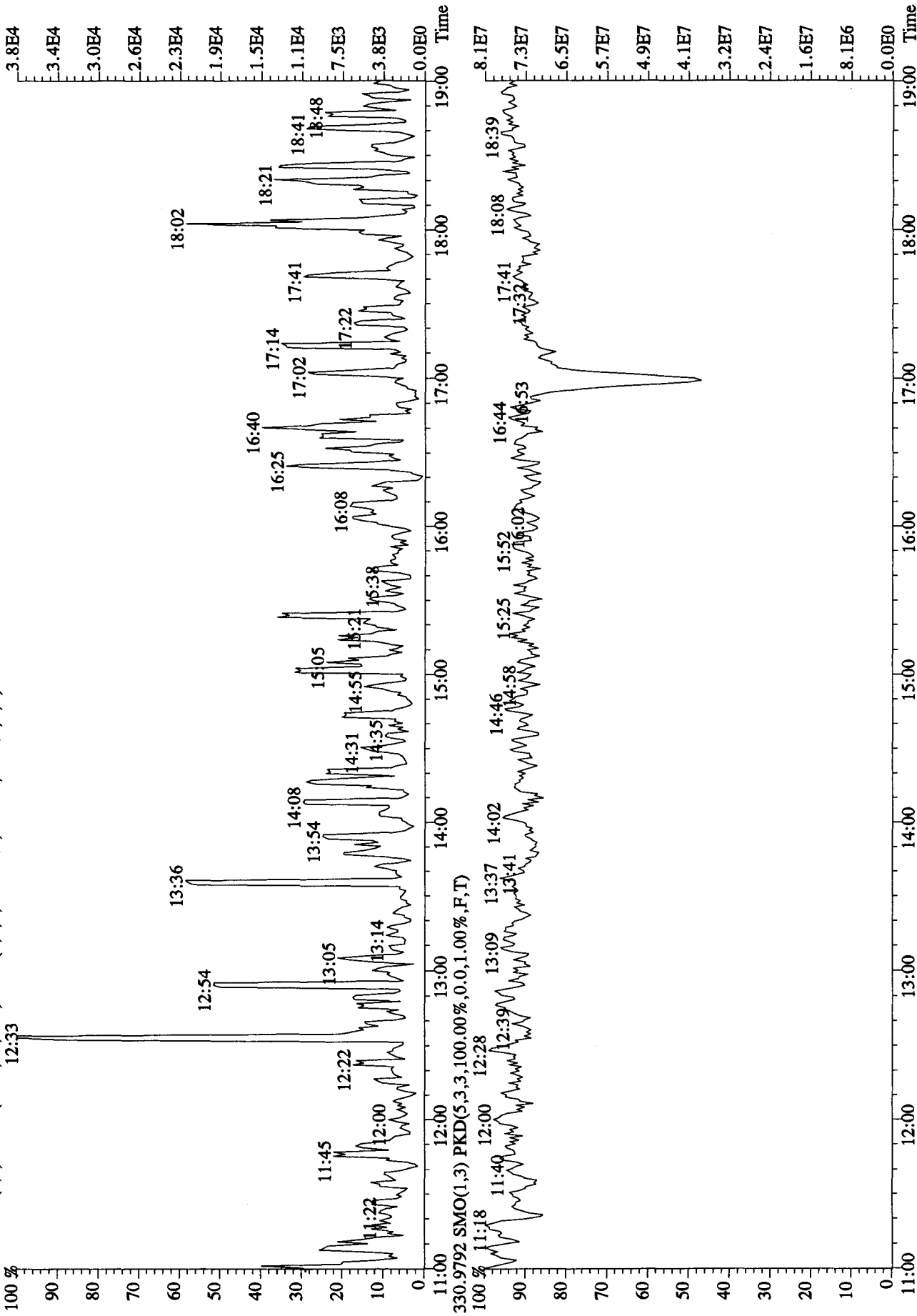
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23036.0,1.00%,F,T)  
 A3.16E7  
 A3.33E7



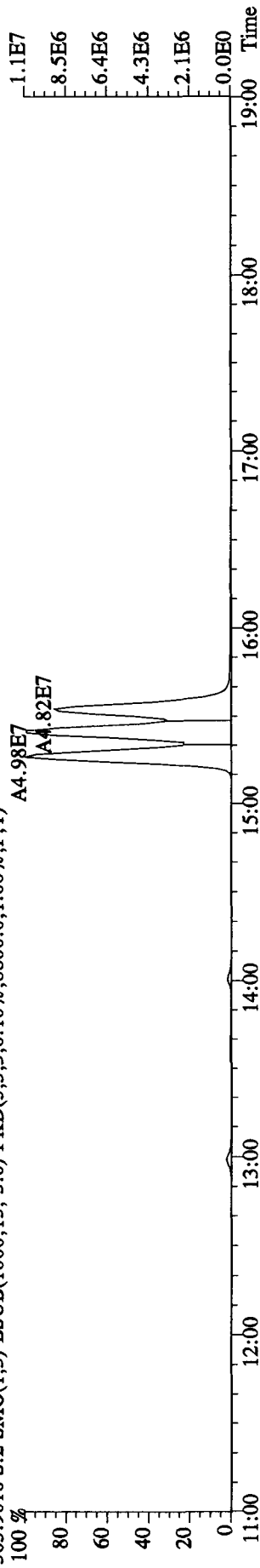
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15120.0,1.00%,F,T)  
 A4.22E7



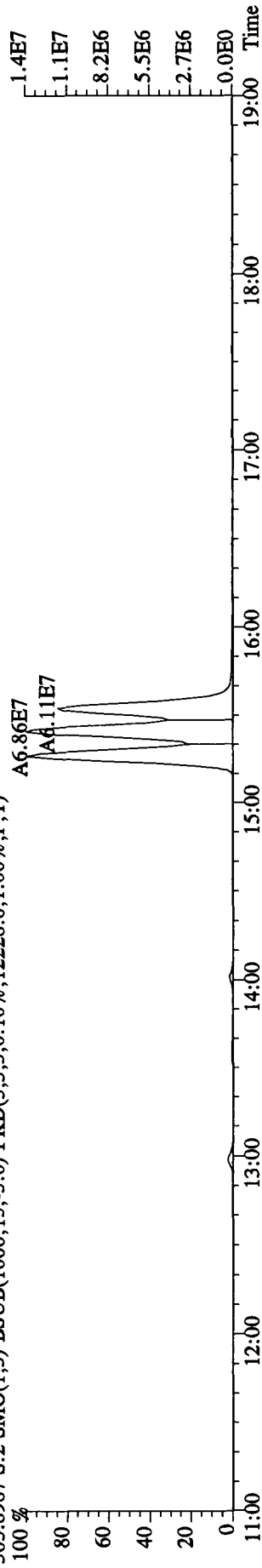
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:05:44 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0105C :CS3 09DXN425 Exp:DB225  
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3128.0,1.00%,F,T)



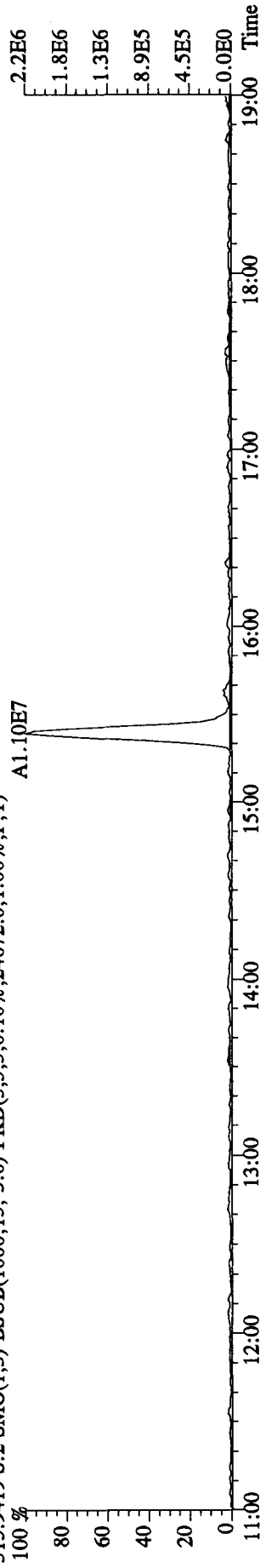
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:42:51 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0105B :DB-225 CFSM 3732-01 Exp:DB225  
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8800.0,1.00%,F,T)



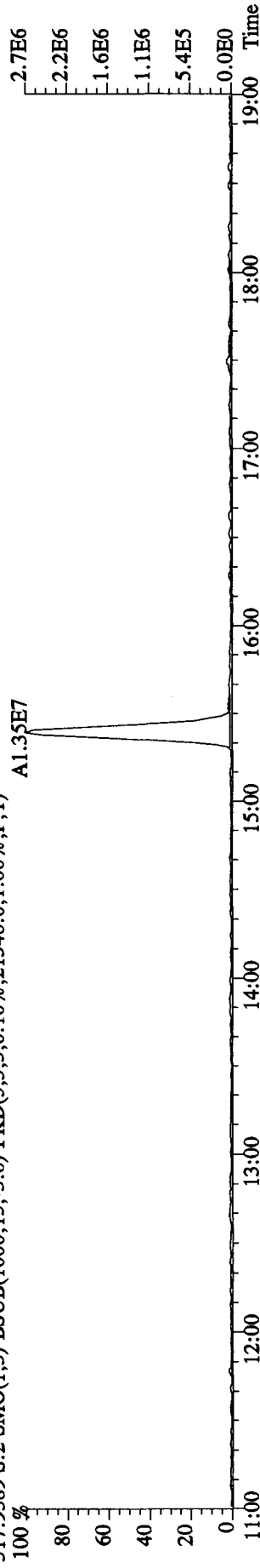
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12228.0,1.00%,F,T)



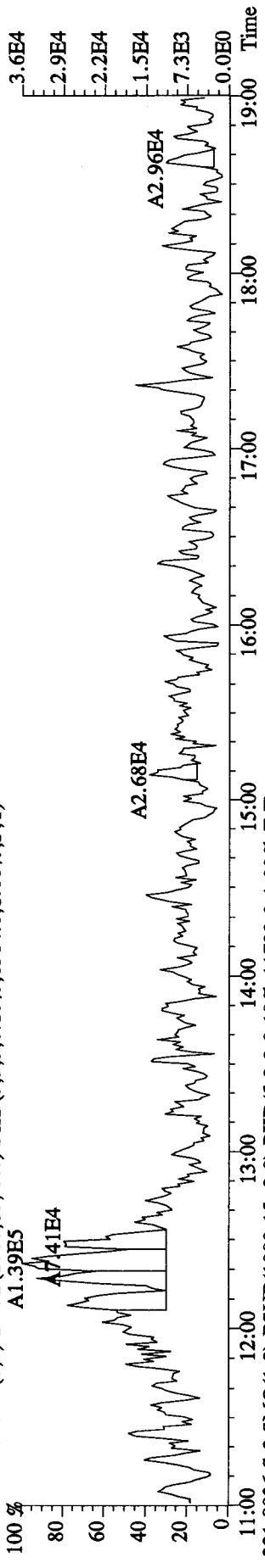
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24672.0,1.00%,F,T)



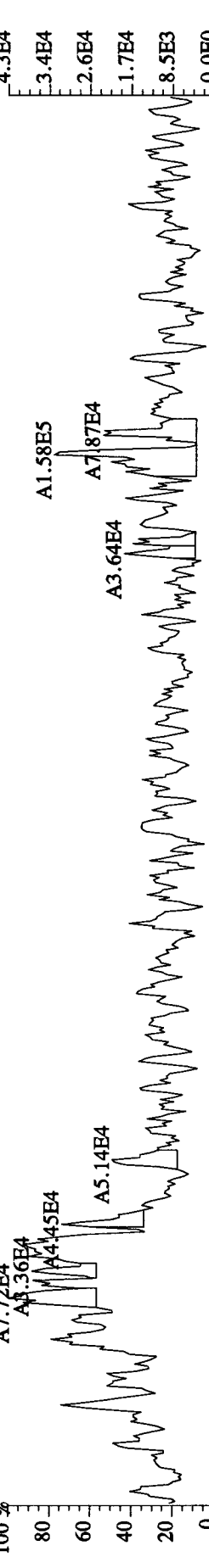
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21348.0,1.00%,F,T)



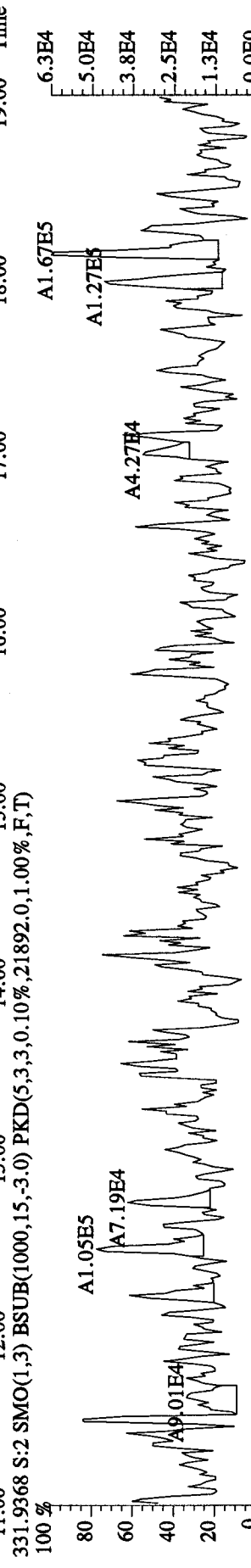
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:42:51 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0105B :DB-225 CFSM 3732-01 Exp:DB225  
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8384.0,1.00%,F,T)  
 100% A1.39E5



321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11732.0,1.00%,F,T)  
 100% A7.72E4



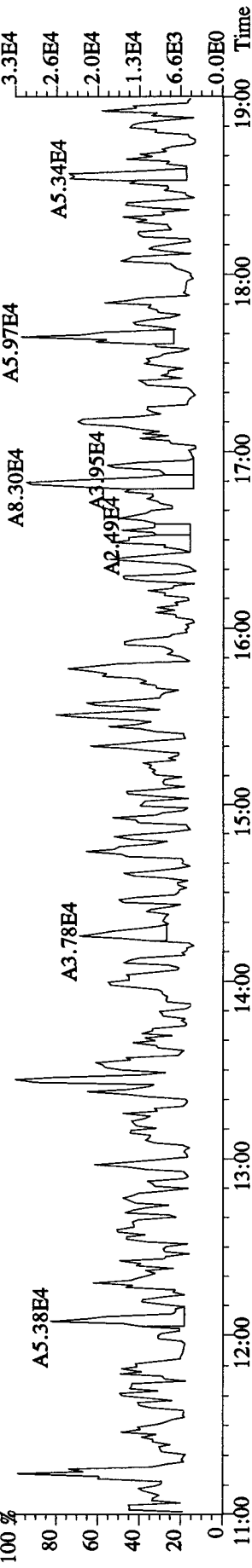
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21892.0,1.00%,F,T)  
 100%



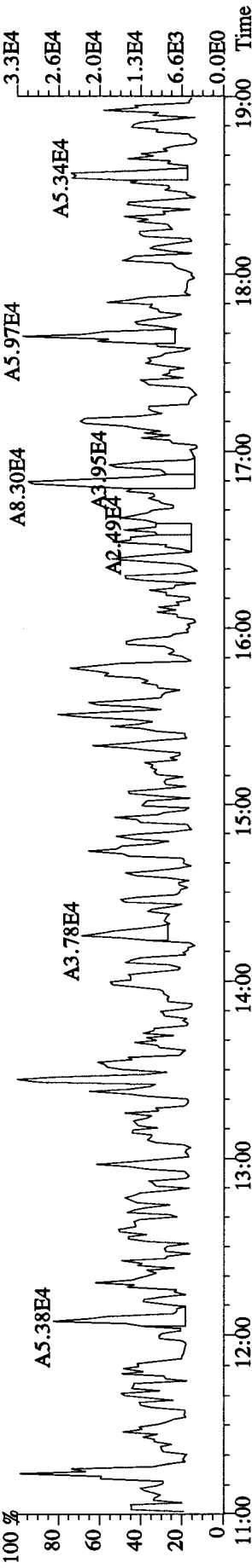
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11180.0,1.00%,F,T)  
 100%

File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:42:51 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0105B :DB-225 CP5M 3732-01 Exp:DB225

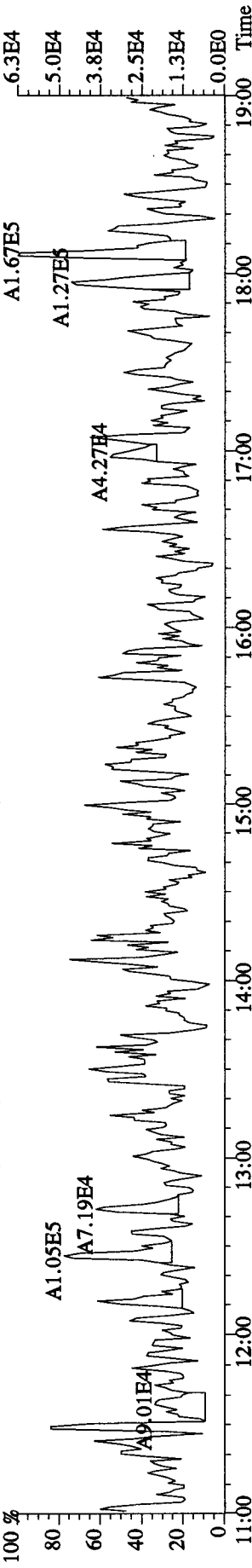
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.2320,0.1,1.00%,F,T)



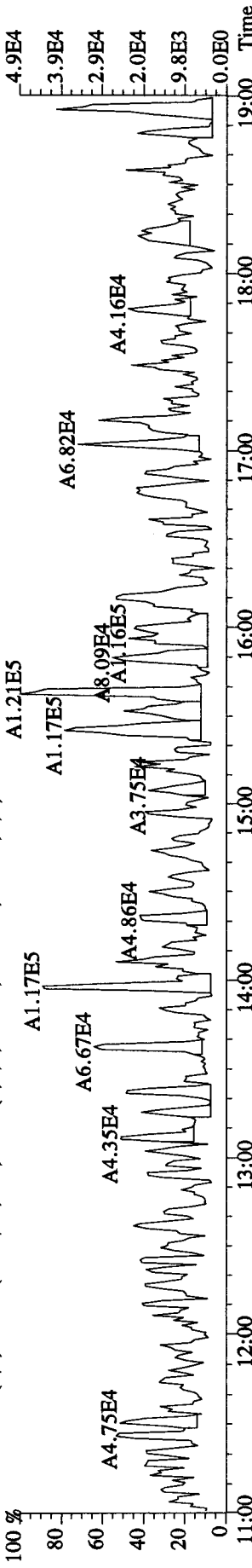
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.2320,0.1,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2.1892,0.1,1.00%,F,T)

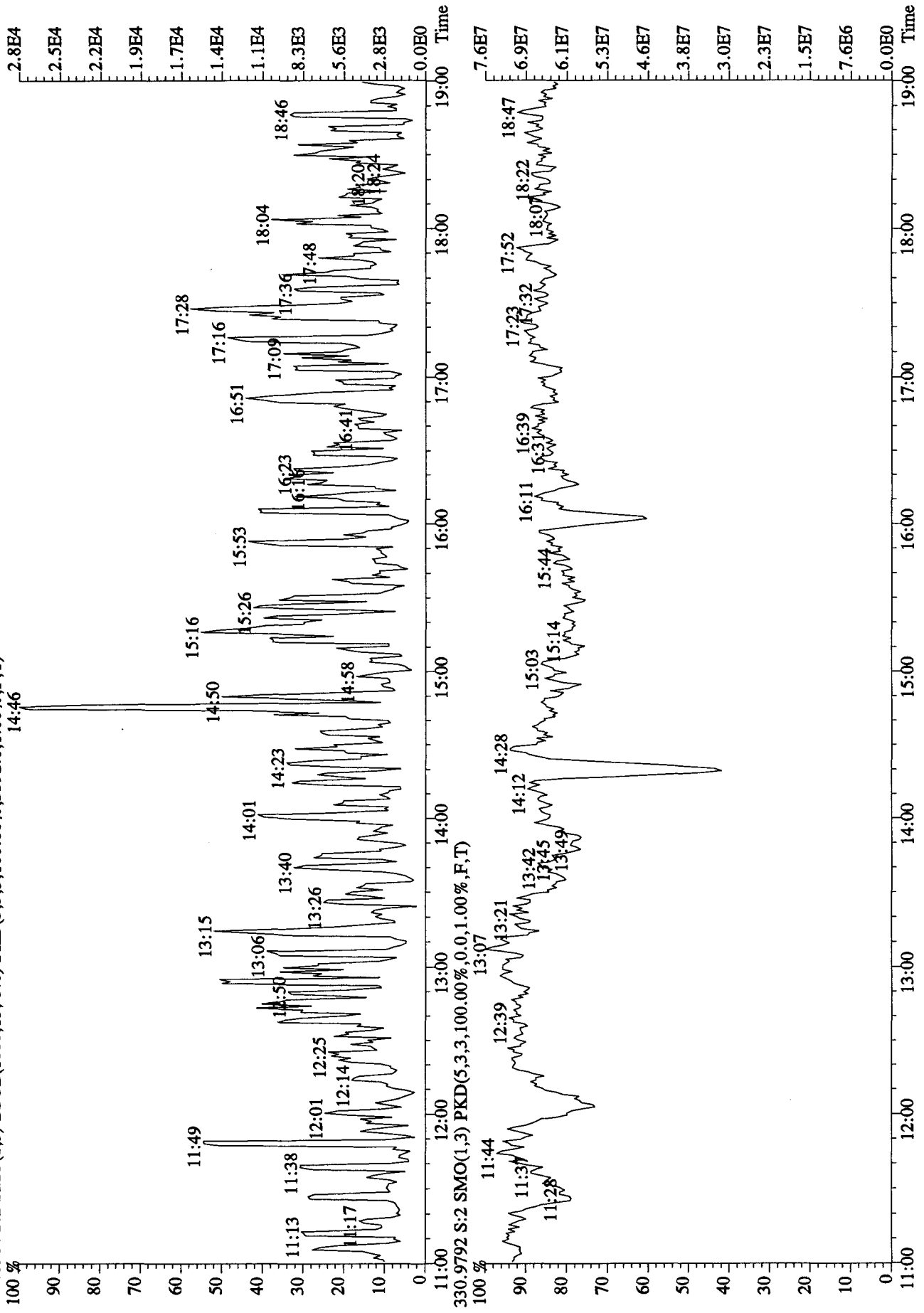


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.1180,0.1,1.00%,F,T)

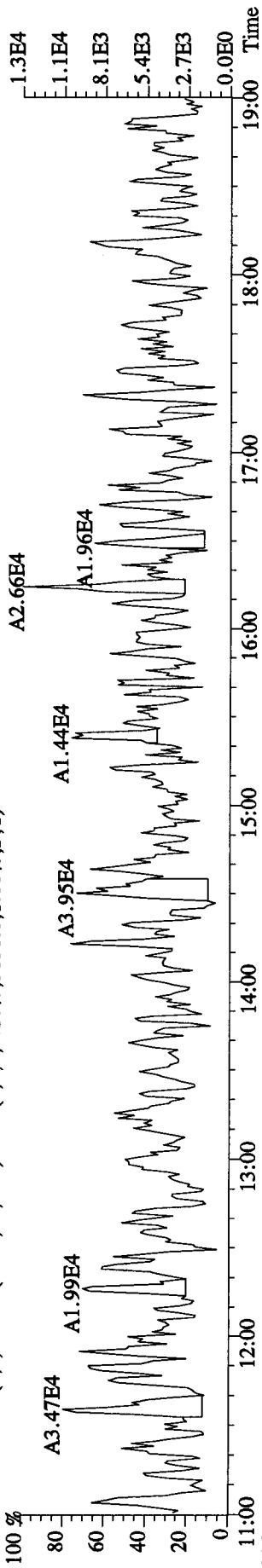




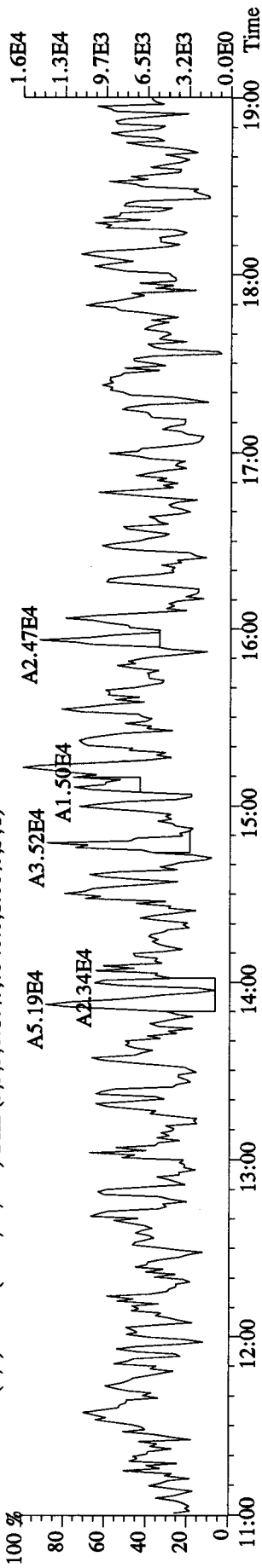
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 22:42:51 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0105B :DB-225 CPSM 3732-01 Exp:DB225  
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.1.00%,F,T)  
 14:46



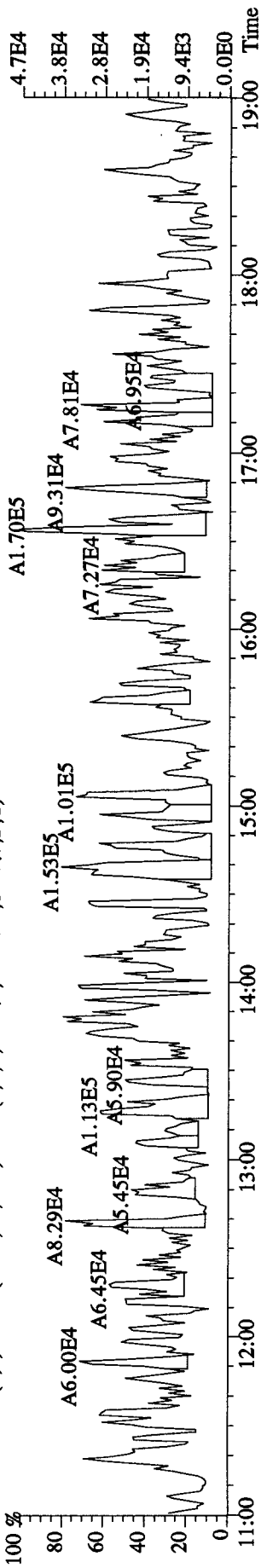
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 23:19:52 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0105B :Solvent Blank C-14 Exp:DB225  
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5656.0,1.00%,F,T)



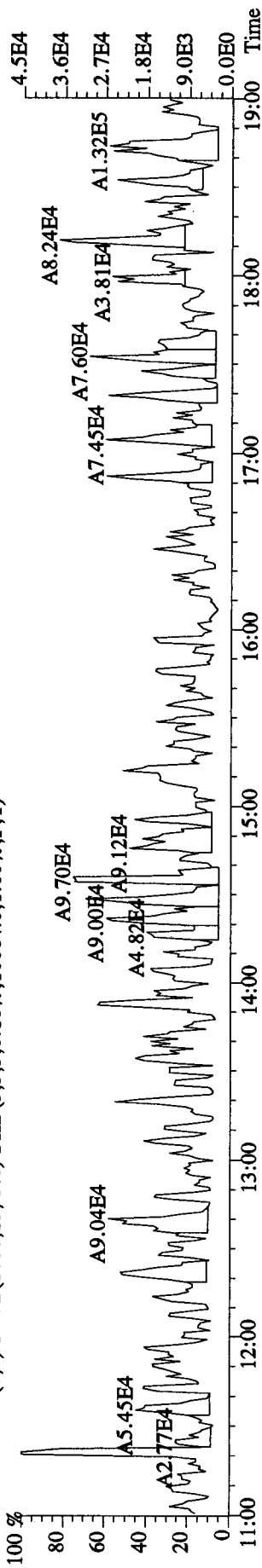
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7540.0,1.00%,F,T)



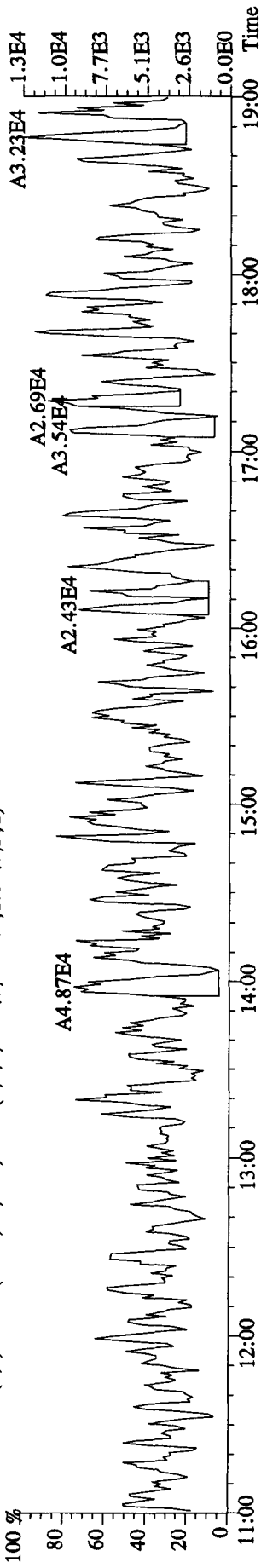
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14552.0,1.00%,F,T)



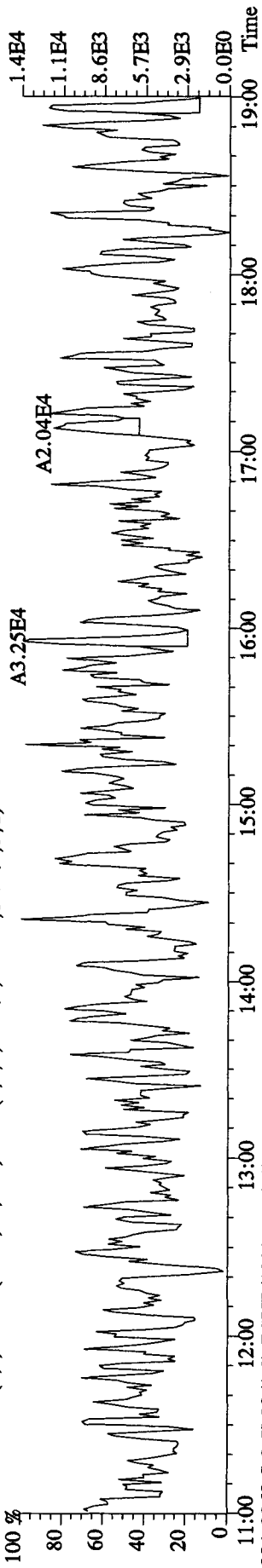
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10064.0,1.00%,F,T)



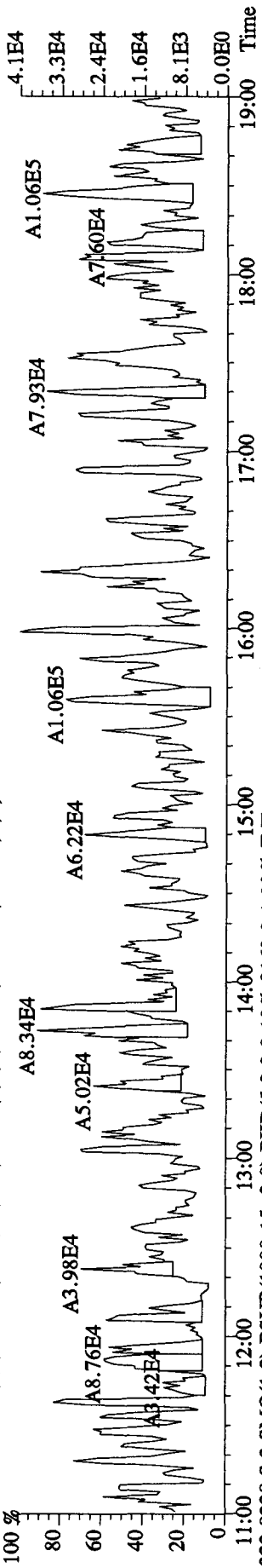
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 23:19:52 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0105B :Solvent Blank C-14 Exp:DB225  
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6008.0,1.00%,F,T)



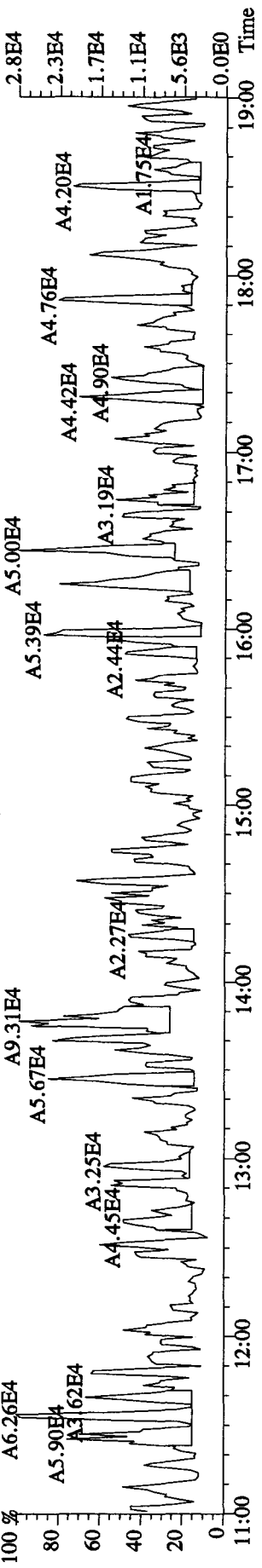
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7332.0,1.00%,F,T)



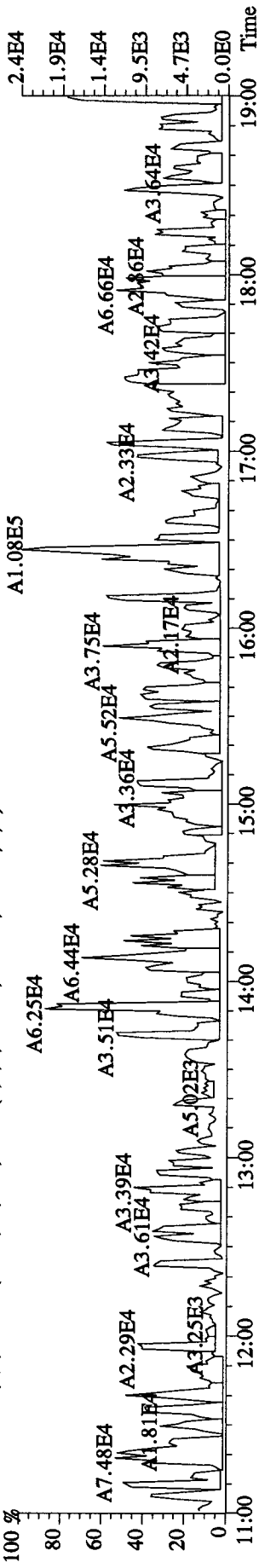
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13200.0,1.00%,F,T)



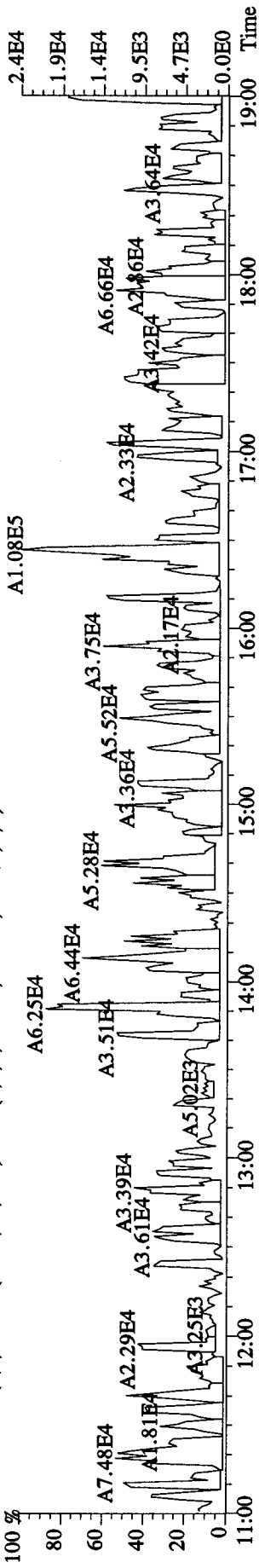
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8160.0,1.00%,F,T)



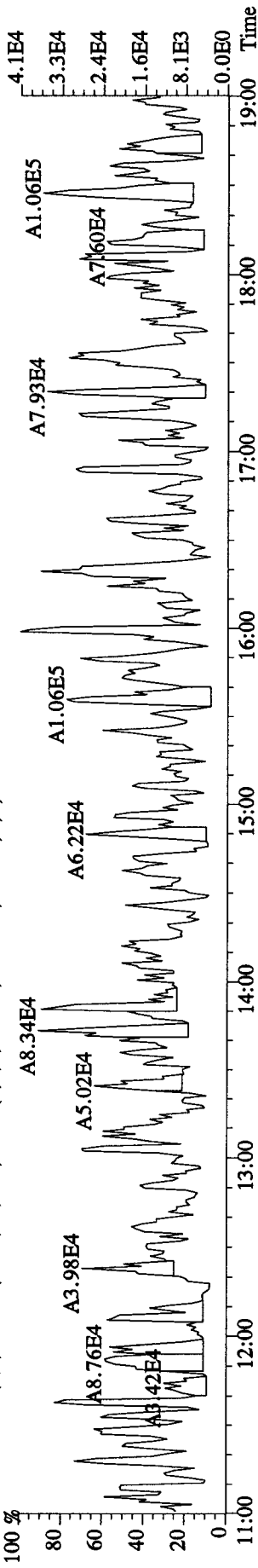
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 23:19:52 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0105B :Solvent Blank C-14 Exp:DB225  
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2380.0,1.00%,F,T)



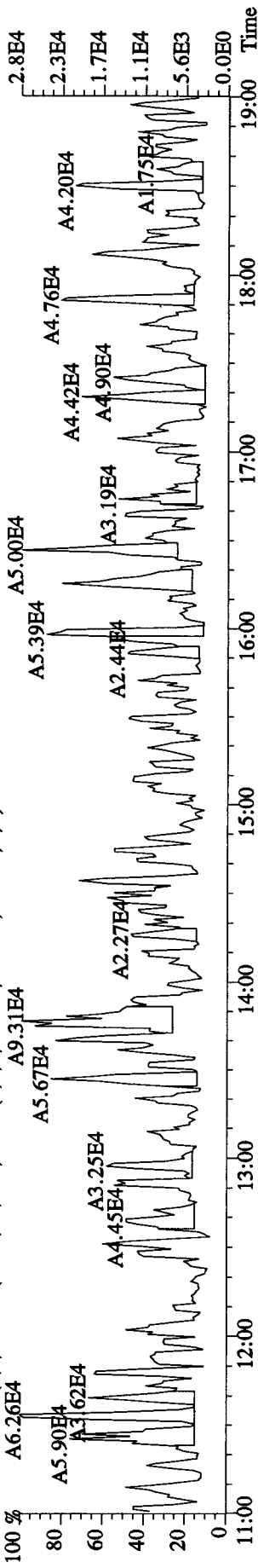
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2380.0,1.00%,F,T)



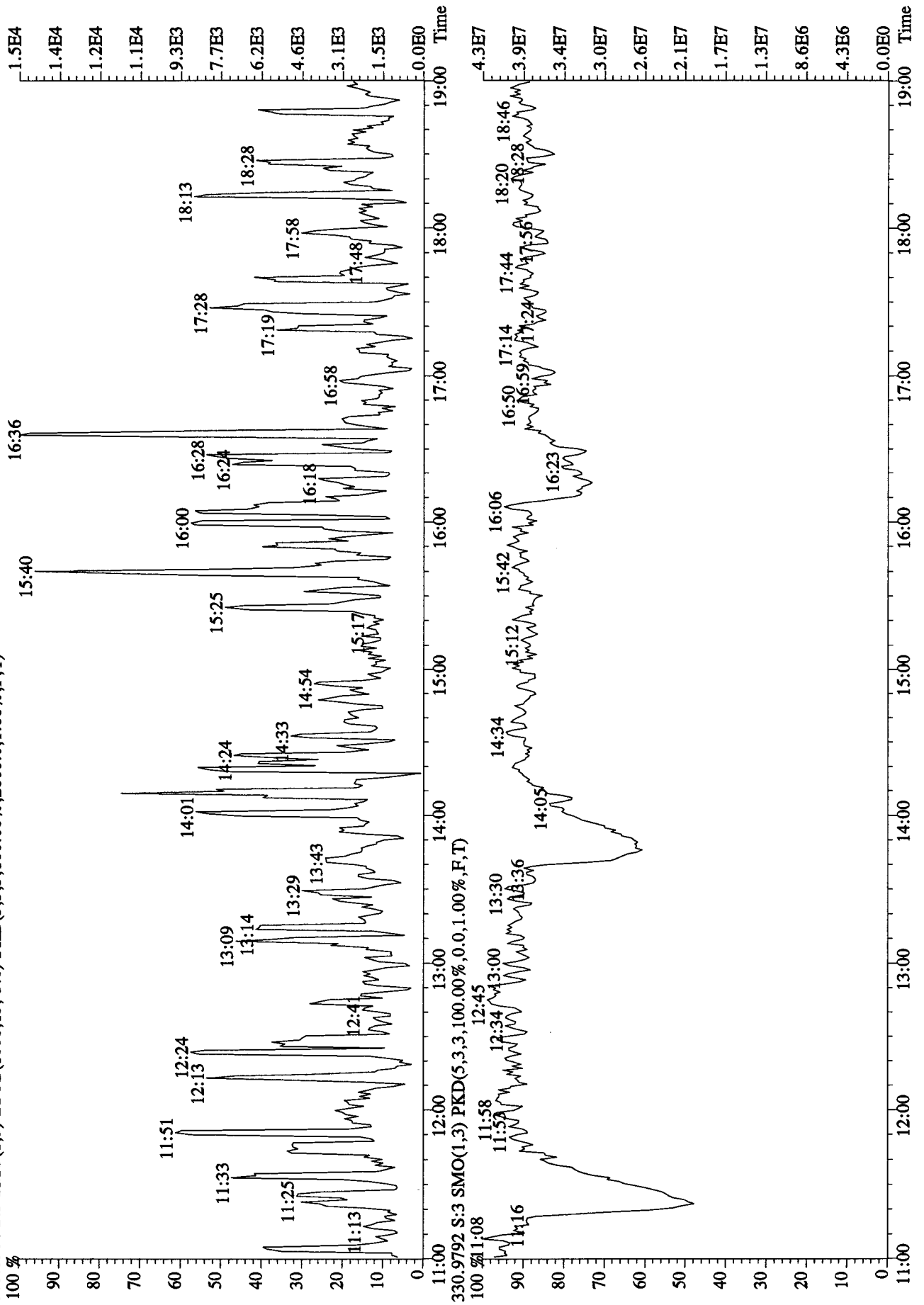
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13200.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8160.0,1.00%,F,T)



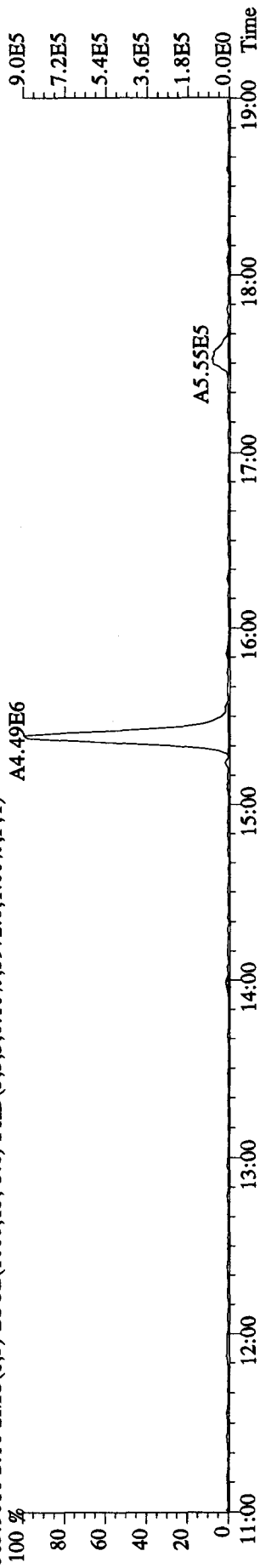
File:05JA10A5D2 #1-1242 Acq: 5-JAN-2010 23:19:52 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0105B :Solvent Blank C-14 Exp:DB225  
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2800.0,1.00%,F,T)



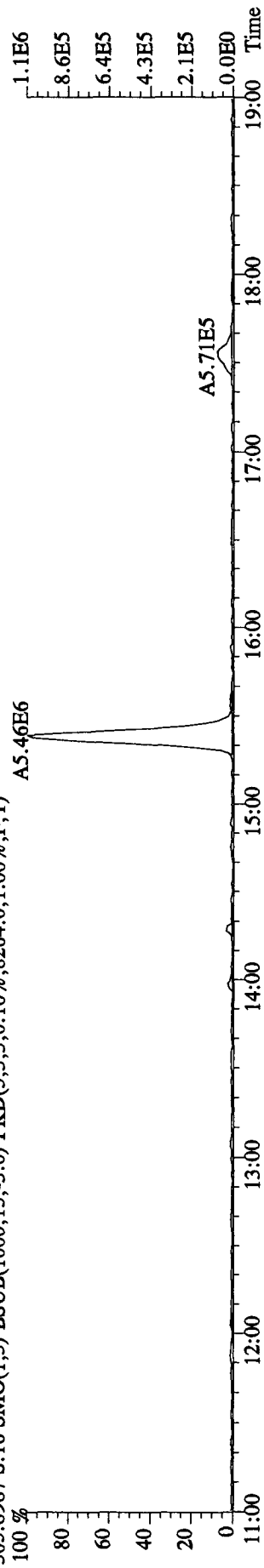
File:05JA10A5D2 #1-1241 Acq: 6-JAN-2010 07:28:46 GC EI+ Voltage SIR 70SE

Sample#16 Text:ST0105D :CS3 09DXN425 Exp:DB225

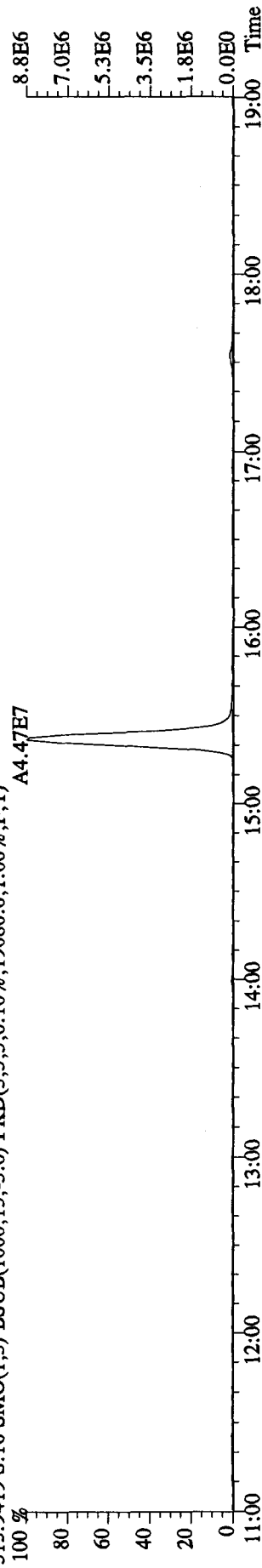
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5972.0,1.00%,F,T)



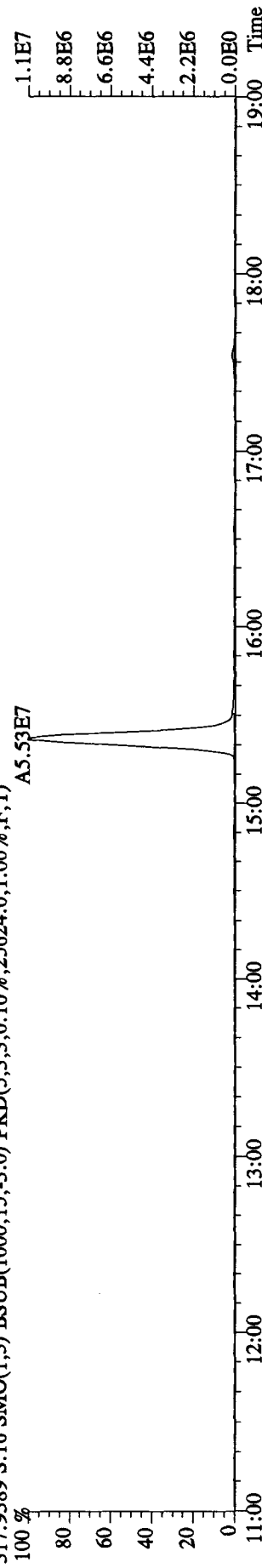
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8264.0,1.00%,F,T)



315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19080.0,1.00%,F,T)



317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25624.0,1.00%,F,T)

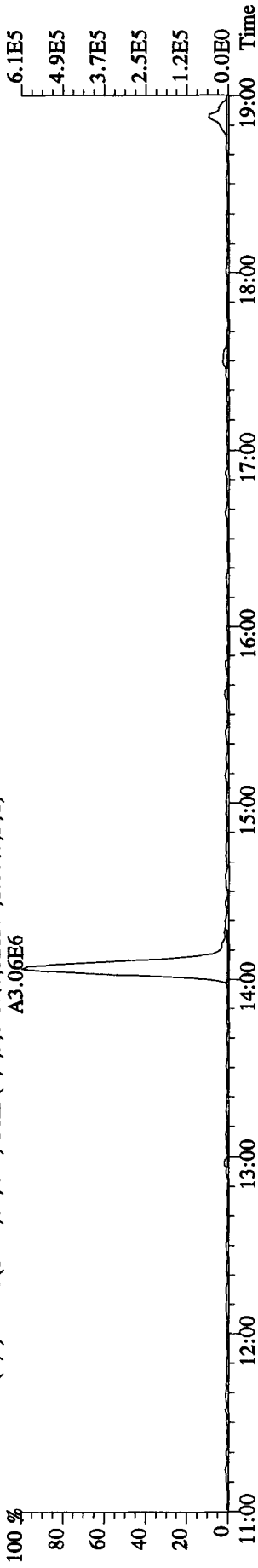


File: 05JA10A5D2 #1-1241 Acq: 6-JAN-2010 07:28:46 GC EI+ Voltage SIR 70SE

Sample#16 Text: ST0105D :CS3 09DXN425 Exp: DB225

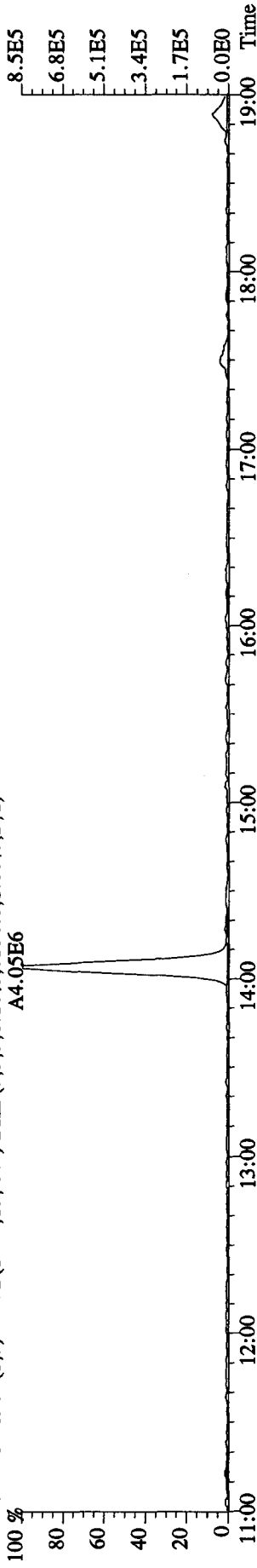
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5212.0,1.00%,F,T)

A3.06E6



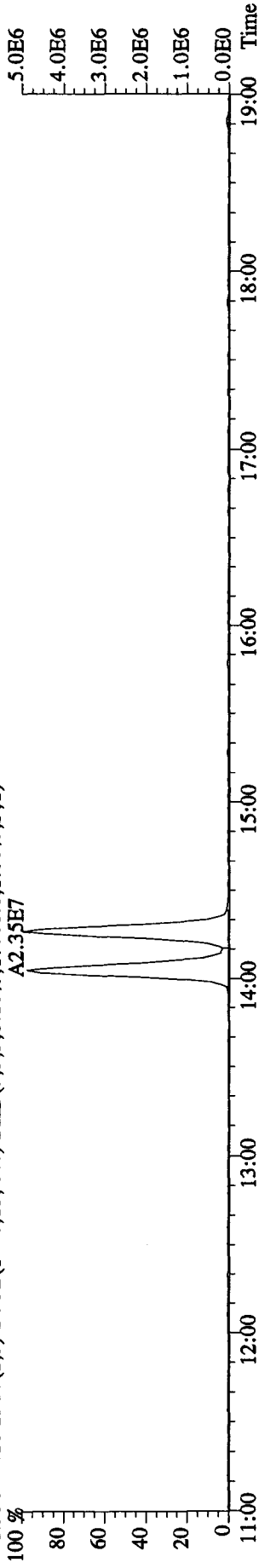
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7556.0,1.00%,F,T)

A4.05E6



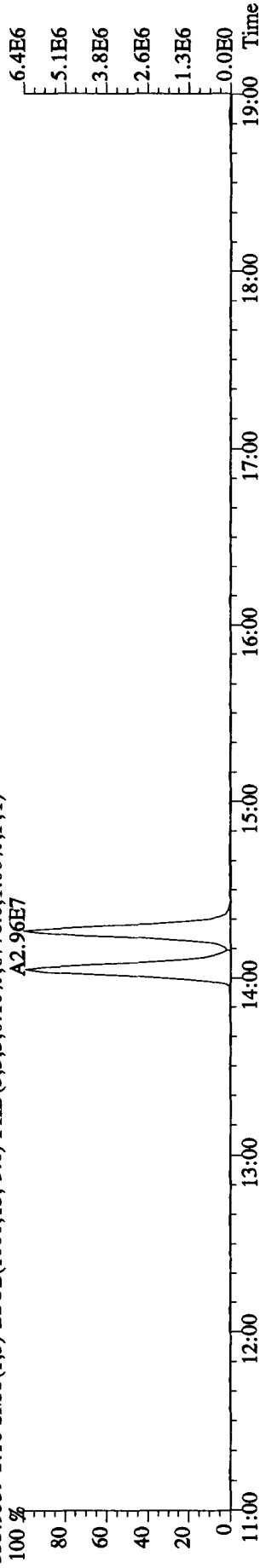
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17708.0,1.00%,F,T)

A2.35E7



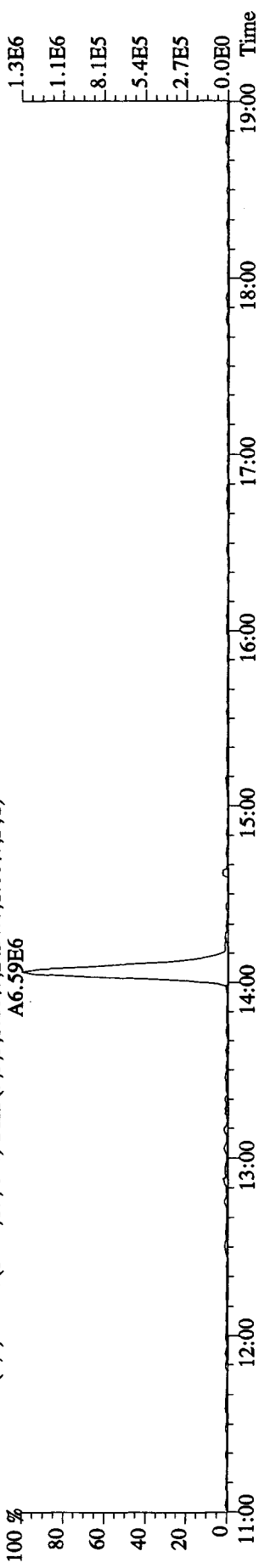
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6776.0,1.00%,F,T)

A2.96E7

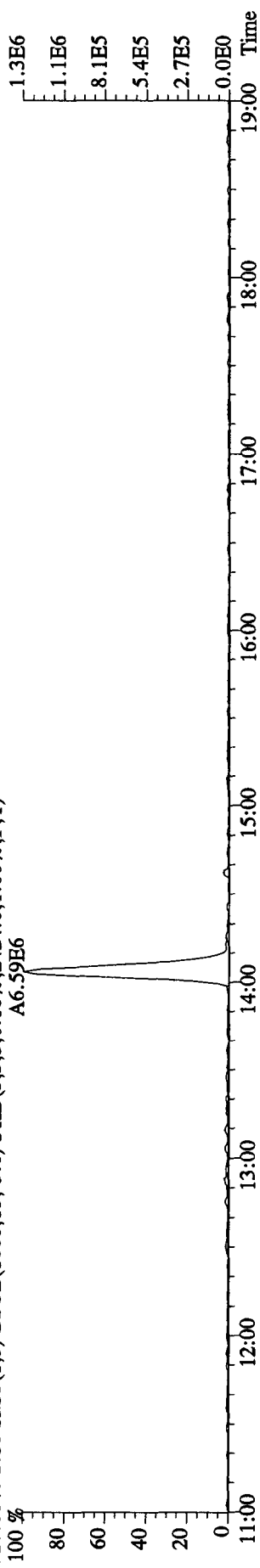


File:05JA10A5D2 #1-1241 Acq: 6-JAN-2010 07:28:46 GC EI+ Voltage SIR 70SE

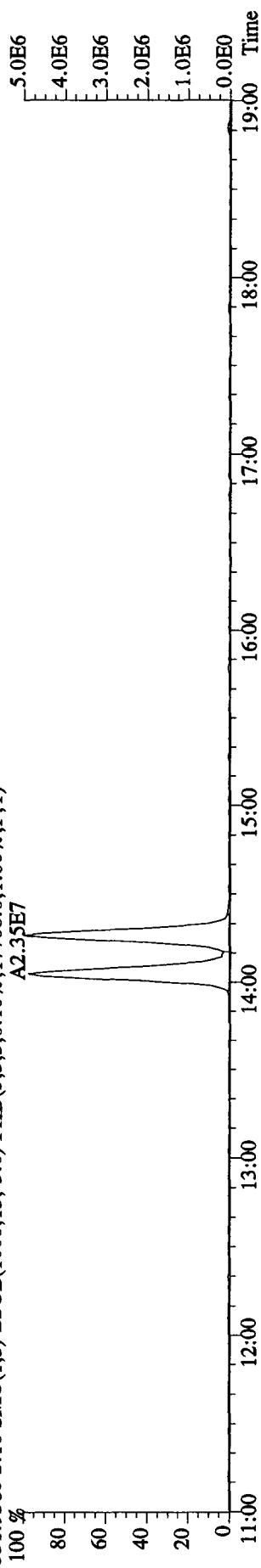
Sample#16 Text:ST0105D :CS3 09DXN425 Exp:DB225  
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)



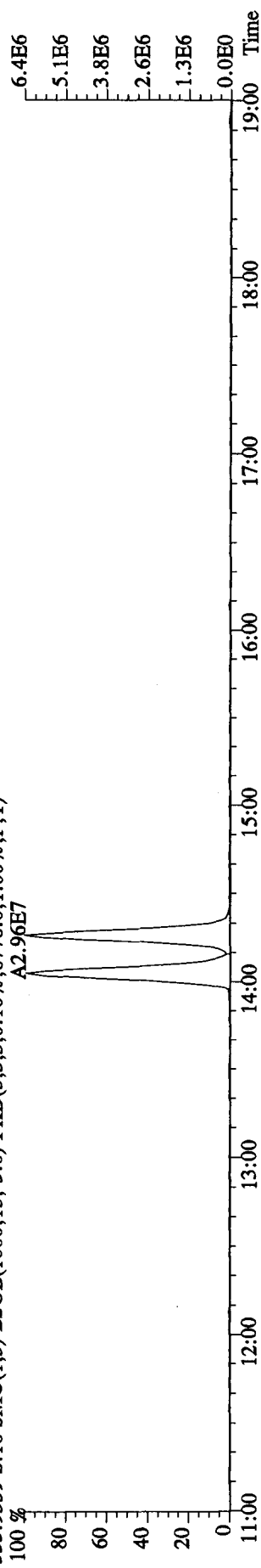
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)



331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17708.0,1.00%,F,T)

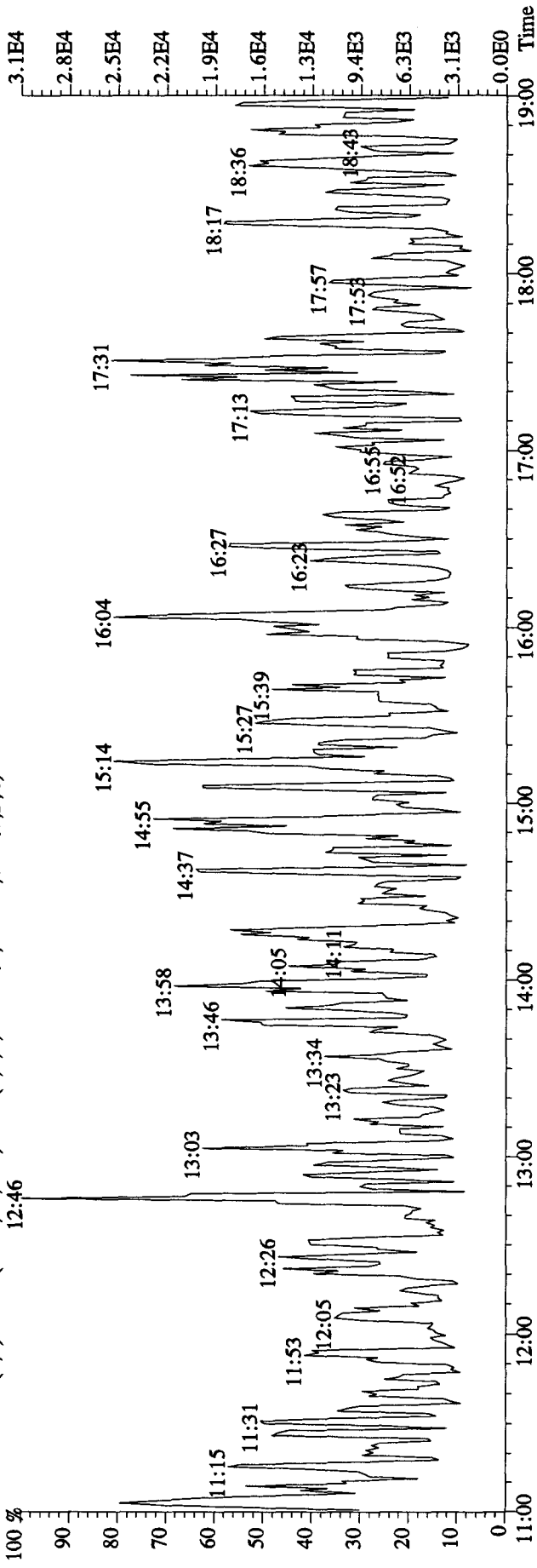


333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6776.0,1.00%,F,T)

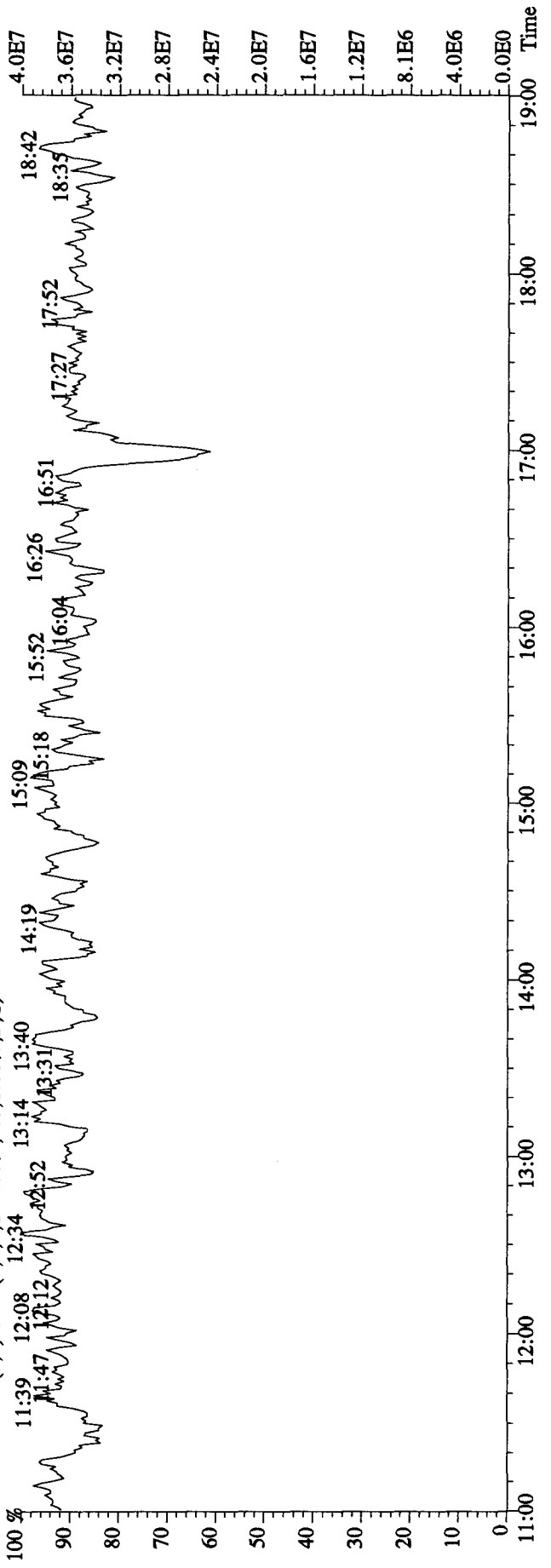




File:05JA10A5D2 #1-1241 Acq: 6-JAN-2010 07:28:46 GC EI+ Voltage SIR 70SE  
 Sample#16 Text:ST0105D :CS3 09DXN425 Exp:DB225  
 375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7692.0,1.00%,F,T)  
 100 % 12:46



330.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



## **Initial Calibration**

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

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

## Initial Calibration Checklist Dioxin Methods

ICAL ID (8290, 1613, TO9, 23, 0023A, TETRAS) 123109105

Method ID 8290, 1613B, TO9, 23, 0023A

Date Scanned \_\_\_\_\_

Column ID DB5

Instrument ID 105

STD ID's ST1231(B, C, D, E, F)

STD Solution 09DXN(422, 423, 425, 426, 456)

GC Program OCDD

Multiplier Setting 270

Analyzed By A.M.

Date Analyzed 12/31/09, 1/1/10 <sup>MS</sup> 1/4/10

Prepared By M.G.

Date Prepared 1/4/10

Reviewed By JRB

Date Reviewed 1/4/10

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

COMMENTS:

CS2 Retention Times: 13C-1,2,3,4-TCDD 18:40  
13C-1,2,3,7,8,9-HxCDD 32:49

\*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10

Method 1613B: %RSD ≤20% natives, ≤30% labeled compounds; S/N ≥10

Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

ST1231B :CS-1 09DXM422 ST1231C :CS-2 09DXM423 ST1231D :CS-3 09DXM425  
 ST1231E :CS-4 09DXM426 ST1231F :CS-5 09DXM456

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

S2 S3 S4 S5 S6

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8-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

47

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

11000000 1.64 y  
11000000 1.41

11000000 1.5  
11000000 1.3

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

0.00  
0.10  
0.20  
0.30  
0.40  
0.50  
0.60  
0.70  
0.80  
0.90  
1.00

Run #2    Filename 31DE09A1D5    S: 3    I: 1  
 Acquired: 1-JAN-10    00:50:55    Processed: 4-JAN-10    07:30:48  
 Run: 15SE098D2    Analyte: 8290    Cal: 82901231091D5

Comments:

Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80 y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76 y	18:08	0.77	2.00	n
Total TCDF	-	- n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79 y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72 y	18:53	0.77	2.00	n
Total TCDD	-	- n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64 y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66 y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.84	10.00	n
Total F2 PeCDF	-	- n	-	0.87	20.00	n
Total F1 PeCDF	-	- n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64 y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63 y	25:44	0.81	10.00	n
Total PeCDD	-	- n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.19	10.00	n
Total HxCDF	-	- n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	14931616	1.45 n	32:26	0.80	10.00	n
1,2,3,6,7,8-HxCDD	18826110	1.21 y	32:32	1.01	10.00	n
1,2,3,7,8,9-HxCDD	22185220	1.30 y	32:51	1.19	10.00	n
Total HxCDD	-	- n	-	1.00	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43 y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01 y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.00	10.00	n
Total HpCDF	-	- n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09 y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07 y	35:31	0.88	10.00	n
Total HpCDD	-	- n	-	0.88	10.00	n
13C-OCDD	295682000	0.89 y	38:18	0.54	200.00	n
OCDF	38310100	0.87 y	38:25	1.30	20.00	n
OCDD	28999100	0.89 y	38:19	0.98	20.00	n

Run #3    Filename 31DE09A1D5    S: 4    I: 1  
 Acquired: 1-JAN-10    01:32:44    Processed: 4-JAN-10    07:30:49  
 Run: 15SE098D2    Analyte: 8290    Cal: 82901231091D5

Comments:

Sample text: ST1231D :CS-3 09DXN425

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	307910000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	506106000	0.79 y	18:06	1.64	100.00	n
2,3,7,8-TCDF	44200100	0.76 y	18:07	0.87	10.00	n
Total TCDF	-	- n	-	0.87	10.00	n
13C-2,3,7,8-TCDD	310374000	0.80 y	18:52	1.01	100.00	n
2,3,7,8-TCDD	29546200	0.79 y	18:53	0.95	10.00	n
Total TCDD	-	- n	-	0.95	10.00	n
37Cl-2,3,7,8-TCDD	67170000	1.00 y	18:53	2.18	10.00	n
13C-1,2,3,7,8-PeCDF	335656000	1.65 y	23:30	1.09	100.00	n
1,2,3,7,8-PeCDF	174948900	1.63 y	23:32	1.04	50.00	n
2,3,4,7,8-PeCDF	162654400	1.64 y	24:57	0.97	50.00	n
Total F2 PeCDF	-	- n	-	1.01	100.00	n
Total F1 PeCDF	-	- n	-	1.01	100.00	n
13C-1,2,3,7,8-PeCDD	205985000	1.67 y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	97299200	1.65 y	25:43	0.94	50.00	n
Total-PeCDD	-	- n	-	0.94	50.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28 y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51 y	31:25	0.90	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25 y	31:26	1.31	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25 y	31:35	1.48	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29 y	32:16	1.32	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26 y	33:02	1.44	50.00	n
Total HxCDF	-	- n	-	1.39	200.00	n
13C-1,2,3,6,7,8-HxCDD	199181900	1.29 y	32:31	0.75	100.00	n
1,2,3,4,7,8-HxCDD	97513000	1.26 y	32:26	0.98	50.00	n
1,2,3,6,7,8-HxCDD	109018400	1.29 y	32:32	1.09	50.00	n
1,2,3,7,8,9-HxCDD	132727200	1.29 y	32:50	1.33	50.00	n
Total HxCDD	-	- n	-	1.14	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	232544000	0.43 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	156361300	1.03 y	34:35	1.34	50.00	n
1,2,3,4,7,8,9-HpCDF	138612200	1.05 y	35:52	1.19	50.00	n
Total HpCDF	-	- n	-	1.27	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	199167200	1.09 y	35:30	0.75	100.00	n
1,2,3,4,6,7,8-HpCDD	105004000	1.05 y	35:31	1.05	50.00	n
Total HpCDD	-	- n	-	1.05	50.00	n
13C-OCDD	301292000	0.91 y	38:17	0.57	200.00	n
OCDF	228515000	0.90 y	38:25	1.52	100.00	n
OCDD	174447000	0.89 y	38:18	1.16	100.00	n

Run #4    Filename 31DE09A1D5    S: 5    I: 1  
 Acquired: 1-JAN-10    02:14:32    Processed: 4-JAN-10    07:30:49  
 Run: 15SE098D2    Analyte: 8290    Cal: 82901231091D5

## Comments:

Sample text: ST1231E :CS-4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	360177000	0.81 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	552269000	0.80 y	18:06	1.53	100.00	n
2,3,7,8-TCDF	200867500	0.77 y	18:07	0.91	40.00	n
Total TCDF	-	- n	-	0.91	40.00	n
13C-2,3,7,8-TCDD	350941000	0.80 y	18:52	0.97	100.00	n
2,3,7,8-TCDD	141705800	0.77 y	18:53	1.01	40.00	n
Total TCDD	-	- n	-	1.01	40.00	n
37Cl-2,3,7,8-TCDD	335352000	1.00 y	18:53	2.33	40.00	n
13C-1,2,3,7,8-PeCDF	369215000	1.63 y	23:31	1.03	100.00	n
1,2,3,7,8-PeCDF	814732000	1.58 y	23:32	1.10	200.00	n
2,3,4,7,8-PeCDF	775079000	1.57 y	24:57	1.05	200.00	n
Total F2 PeCDF	-	- n	-	1.08	400.00	n
Total F1 PeCDF	-	- n	-	1.08	400.00	n
13C-1,2,3,7,8-PeCDD	239834200	1.64 y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	500625000	1.60 y	25:44	1.04	200.00	n
Total PeCDD	-	- n	-	1.04	200.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51 y	31:25	0.76	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26 y	31:26	1.33	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27 y	31:35	1.51	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26 y	32:16	1.36	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26 y	33:02	1.57	200.00	n
Total HxCDF	-	- n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	219899700	1.29 y	32:31	0.61	100.00	n
1,2,3,4,7,8-HxCDD	507310000	1.25 y	32:27	1.15	200.00	n
1,2,3,6,7,8-HxCDD	512249000	1.28 y	32:32	1.16	200.00	n
1,2,3,7,8,9-HxCDD	690425000	1.27 y	32:51	1.57	200.00	n
Total HxCDD	-	- n	-	1.30	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	278355600	0.44 y	34:34	0.78	100.00	n
1,2,3,4,6,7,8-HpCDF	784068000	1.04 y	34:35	1.41	200.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04 y	35:53	1.27	200.00	n
Total HpCDF	-	- n	-	1.34	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	244993000	1.09 y	35:31	0.68	100.00	n
1,2,3,4,6,7,8-HpCDD	539498000	1.05 y	35:31	1.10	200.00	n
Total HpCDD	-	- n	-	1.10	200.00	n
13C-OCDD	366780000	0.90 y	38:18	0.51	200.00	n
OCDF	1195334000	0.91 y	38:25	1.63	400.00	n
OCDD	901352000	0.90 y	38:18	1.23	400.00	n

Run #5 Filename 31DE09A1D5 S: 6 I: 1  
 Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 07:30:50  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

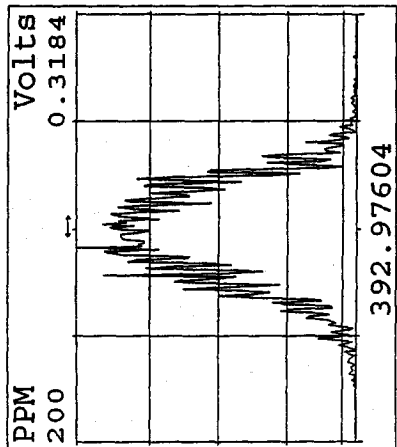
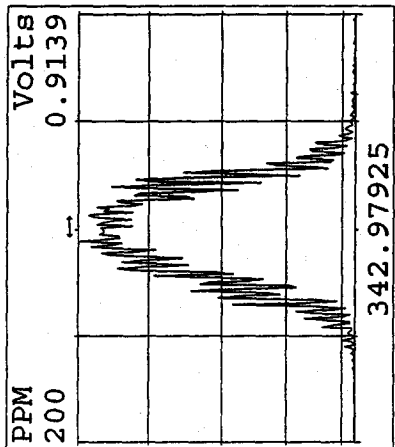
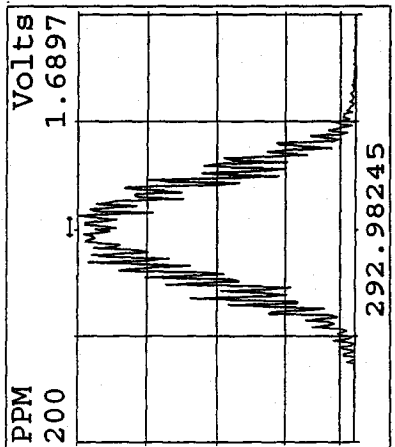
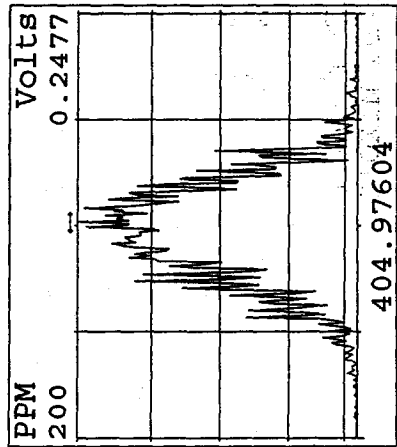
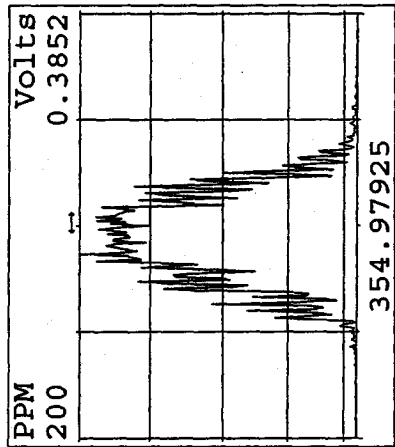
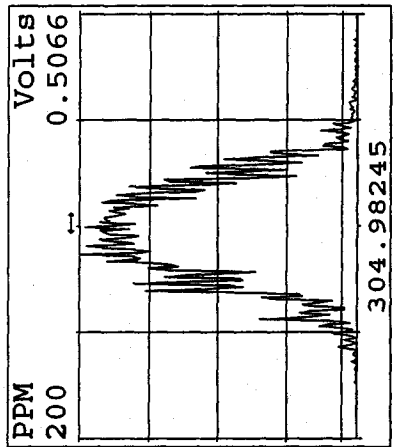
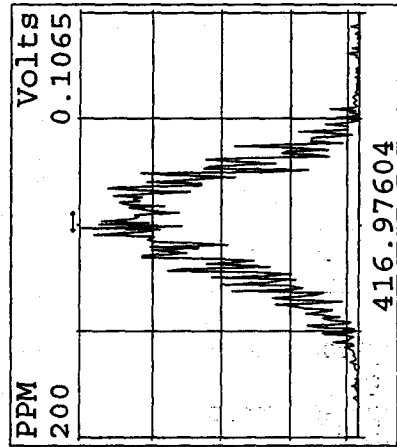
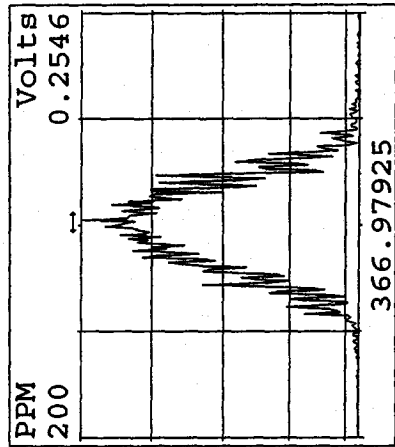
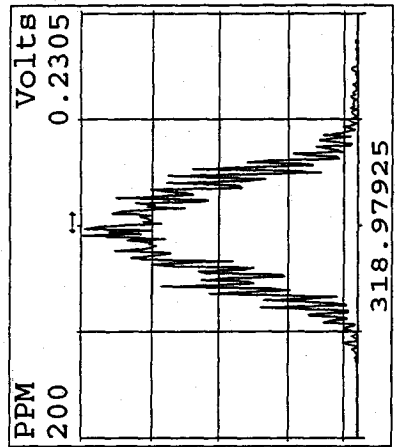
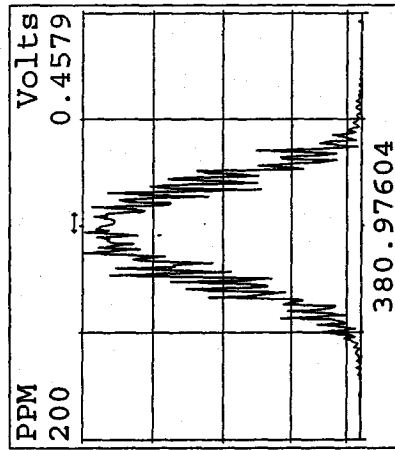
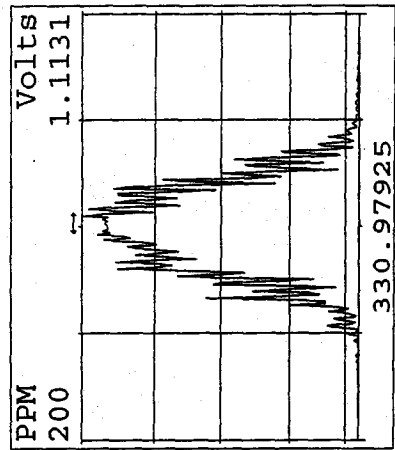
Comments:

Sample text: ST1231F :CS-5 09DXN456

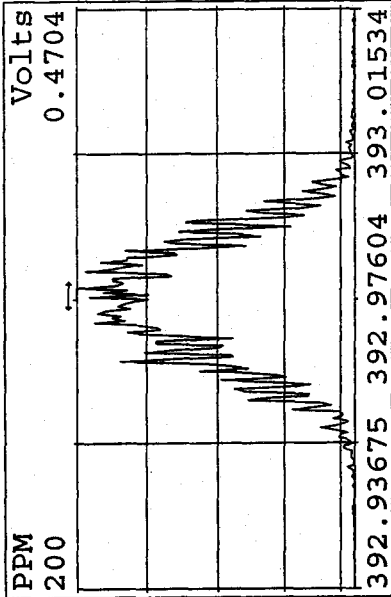
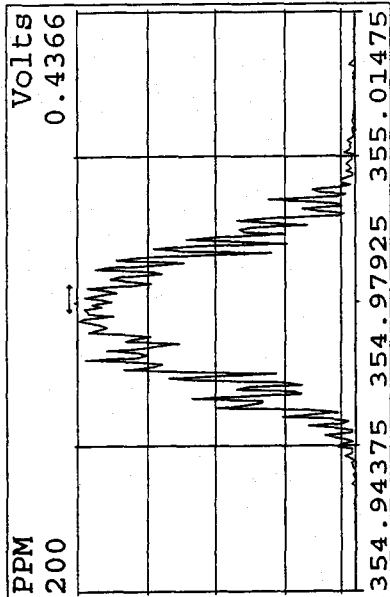
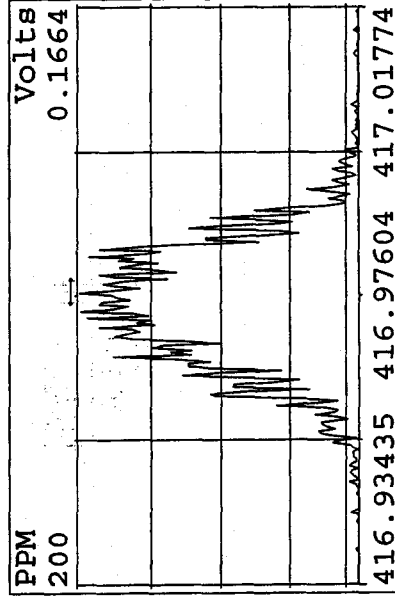
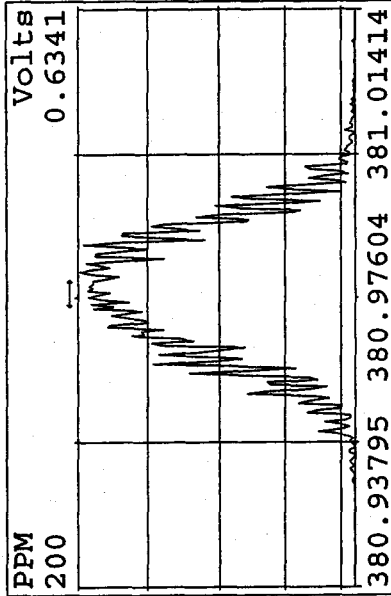
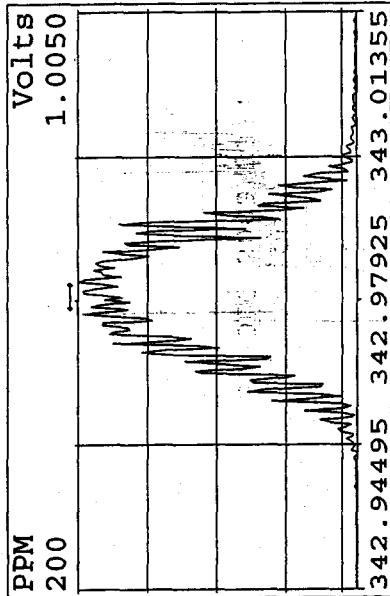
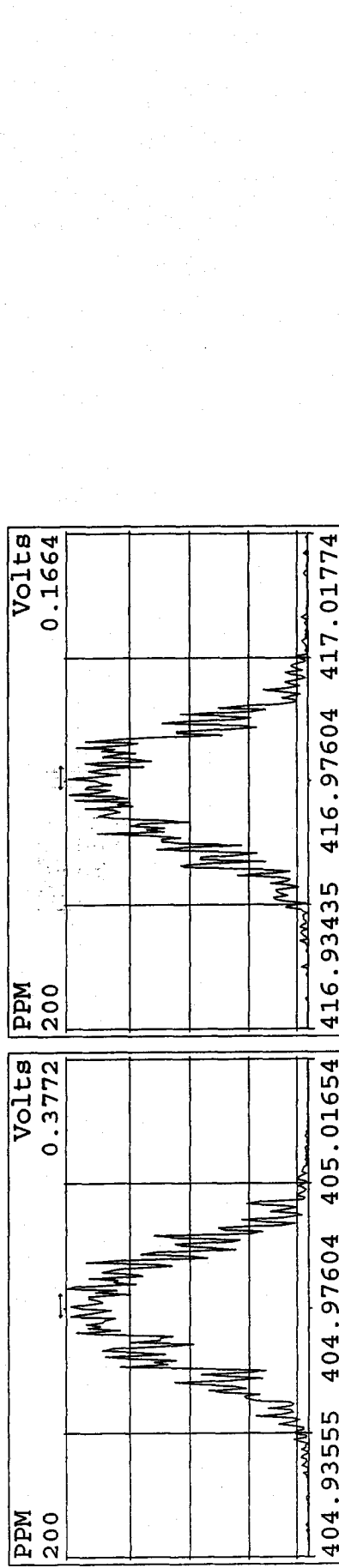
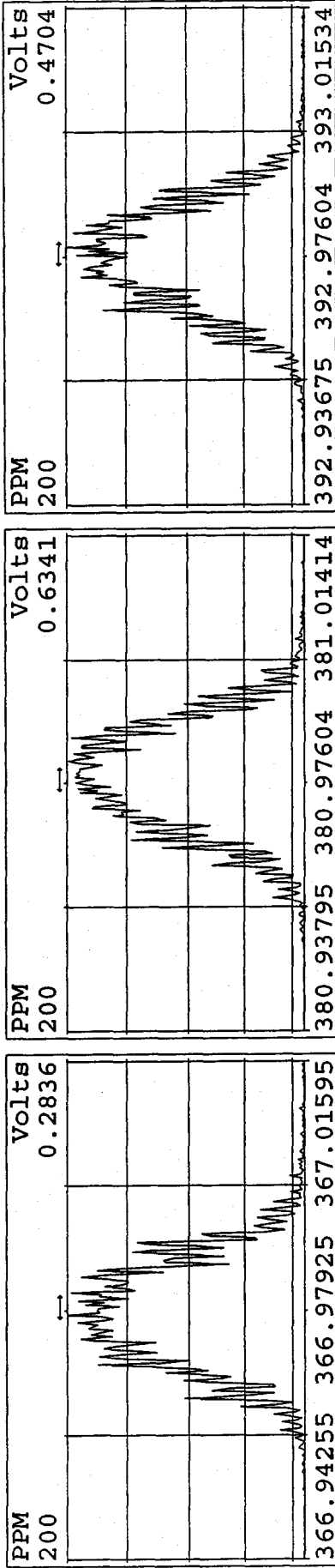
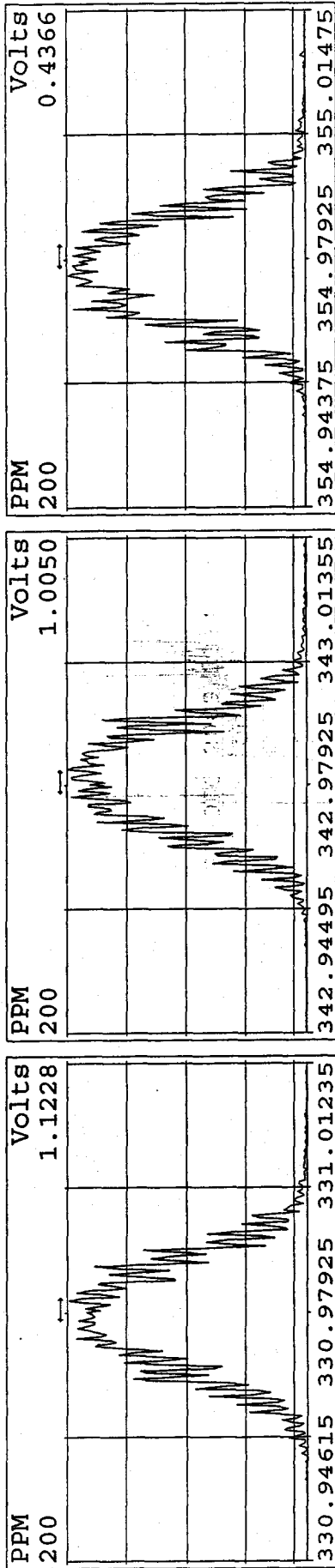
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	223948500	0.79 y	18:39	-	100.00	n
13C-2,3,7,8-TCDF	370833000	0.77 y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76 y	18:06	0.98	200.00	n
Total TCDF	-	- n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80 y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78 y	18:52	1.07	200.00	n
Total TCDD	-	- n	-	1.07	200.00	n
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.74	200.00	n
13C-1,2,3,7,8-PeCDF	283018000	1.63 y	23:30	1.26	100.00	n
1,2,3,7,8-PeCDF	3129820000	1.57 y	23:32	1.11	1000.00	n
2,3,4,7,8-PeCDF	2975790000	1.57 y	24:57	1.05	1000.00	n
Total F2 PeCDF	-	- n	-	1.08	2000.00	n
Total F1 PeCDF	-	- n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	178526400	1.62 y	25:42	0.80	100.00	n
1,2,3,7,8-PeCDD	1892442000	1.58 y	25:44	1.06	1000.00	n
Total PeCDD	-	- n	-	1.06	1000.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51 y	31:25	0.94	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24 y	31:27	1.32	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.45	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.36	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.42	1000.00	n
Total HxCDF	-	- n	-	1.38	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27 y	32:31	0.78	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25 y	32:27	1.11	1000.00	n
1,2,3,6,7,8-HxCDD	2046135000	1.28 y	32:32	1.15	1000.00	n
1,2,3,7,8,9-HxCDD	2448250000	1.27 y	32:51	1.37	1000.00	n
Total HxCDD	-	- n	-	1.21	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	201777500	0.44 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	2821880000	1.05 y	34:35	1.40	1000.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04 y	35:53	1.27	1000.00	n
Total HpCDF	-	- n	-	1.33	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	180867800	1.08 y	35:31	0.79	100.00	n
1,2,3,4,6,7,8-HpCDD	1991700000	1.05 y	35:32	1.10	1000.00	n
Total HpCDD	-	- n	-	1.10	1000.00	n
13C-OCDD	281979000	0.89 y	38:19	0.61	200.00	n
OCDF	4472470000	0.91 y	38:26	1.59	2000.00	n
OCDD	3427190000	0.90 y	38:20	1.22	2000.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
31DE09A1D5	1	CP1231A	DB-5 CPSM 3732-04				1.000	
31DE09A1D5	2	ST1231B	CS-1 09DXN422				1.000	
31DE09A1D5	3	ST1231C	CS-2 09DXN423				1.000	
31DE09A1D5	4	ST1231D	CS-3 09DXN425				1.000	
31DE09A1D5	5	ST1231E	CS-4 09DXN426				1.000	
31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
31DE09A1D5	8	ST1231G	2nd Source 09DXN449	500	1613B/8290		1.000	
31DE09A1D5	9						1.000	
31DE09A1D5	10						1.000	
31DE09A1D5	11						1.000	
31DE09A1D5	12						1.000	
31DE09A1D5	13						1.000	
31DE09A1D5	14						1.000	
31DE09A1D5	15		AM 12-31-09				1.000	
31DE09A1D5	16						1.000	

Peak Locate Examination:31-DEC-2009 23:19 File:31DE09A1D5  
 Experiment:DIOXIN Function:1 Reference:PFK

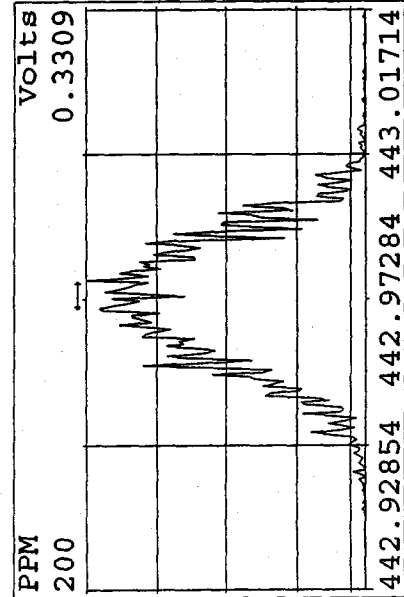
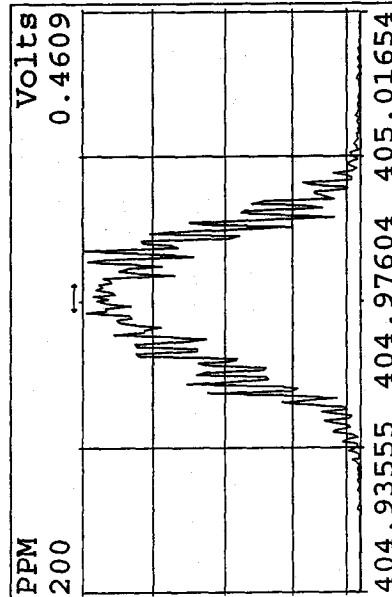
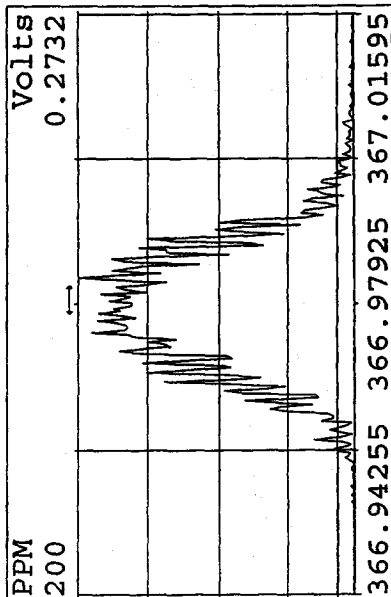
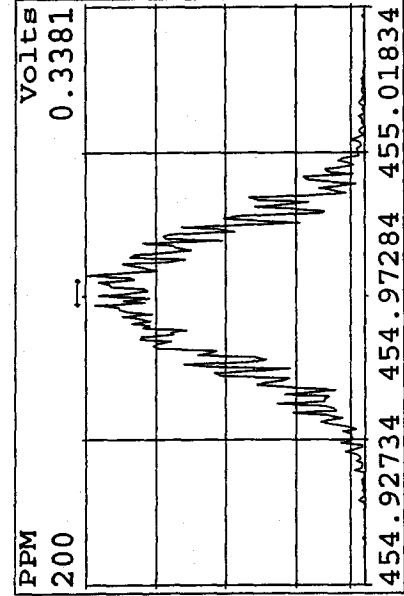
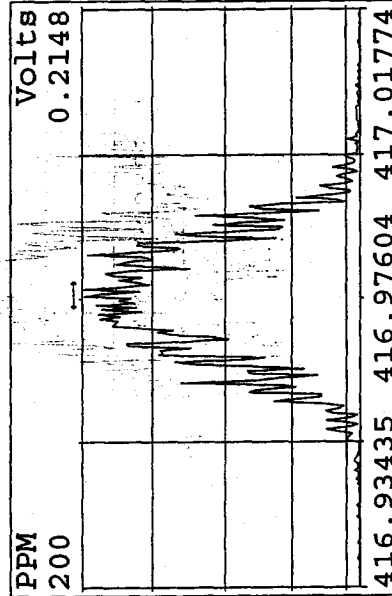
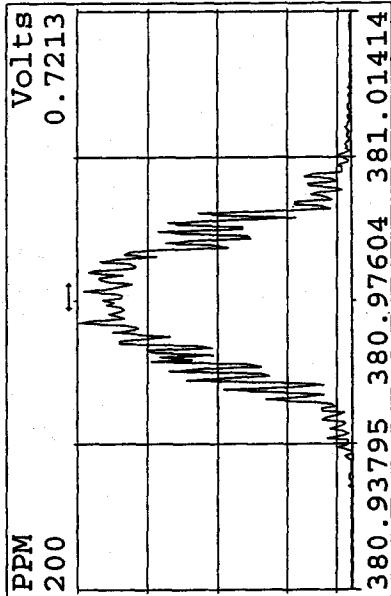
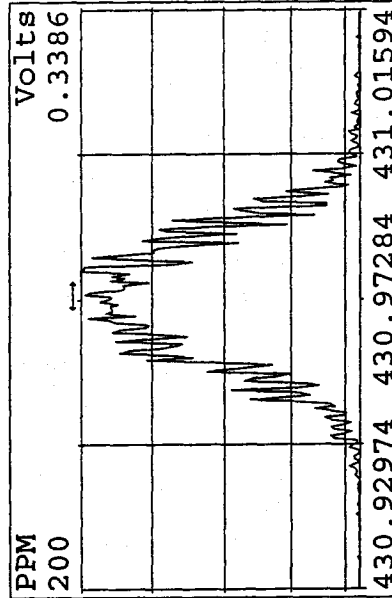
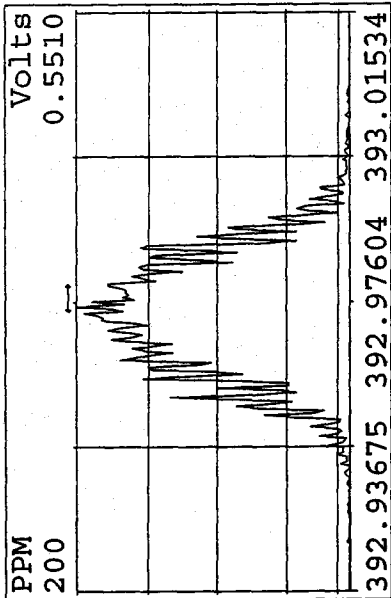


Peak Locate Examination:31-DEC-2009:23:20 File:31DE09A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK

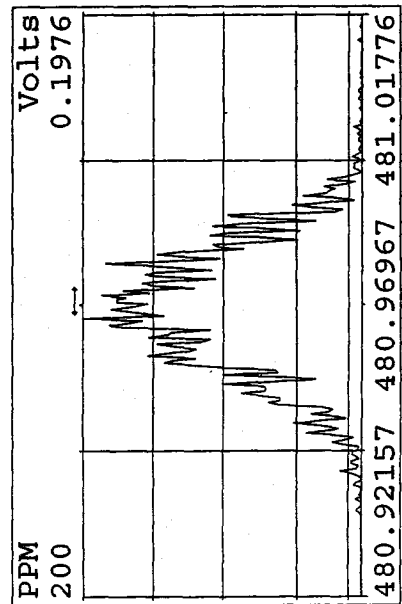
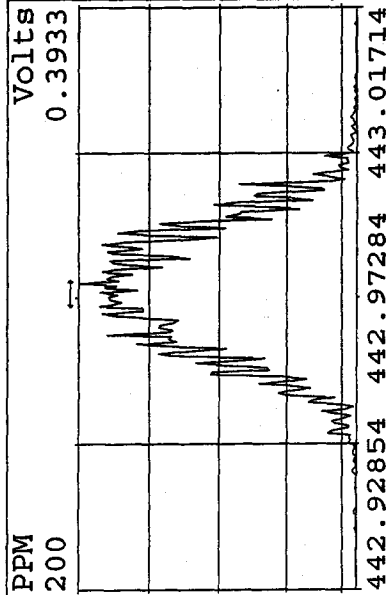
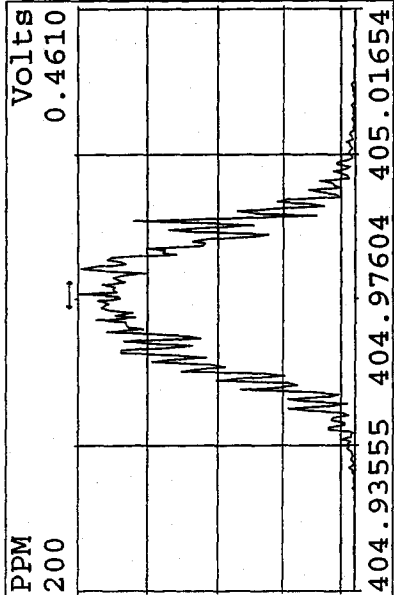
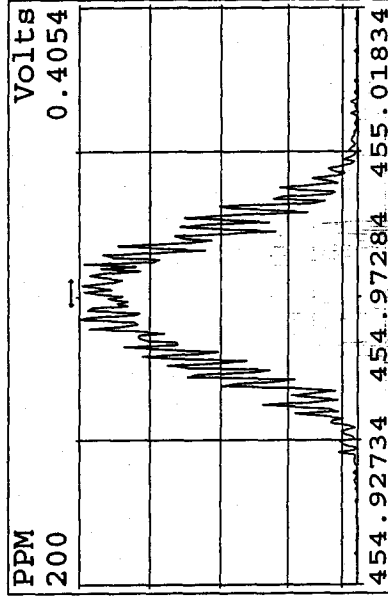
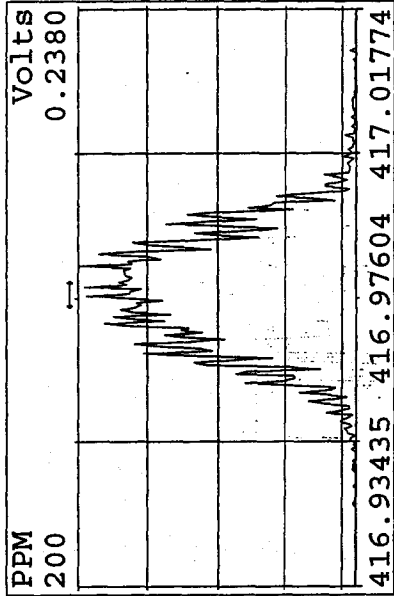
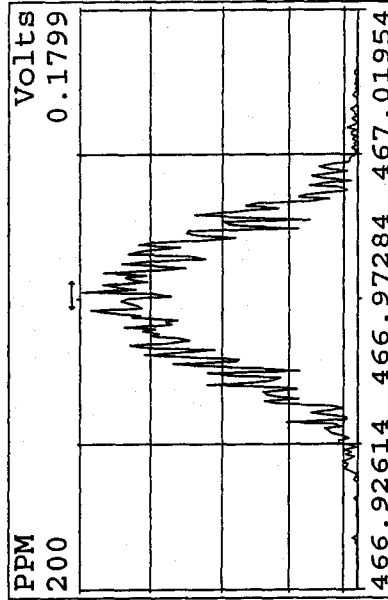
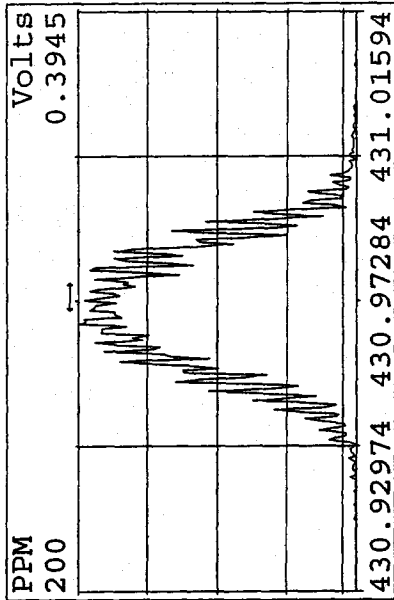




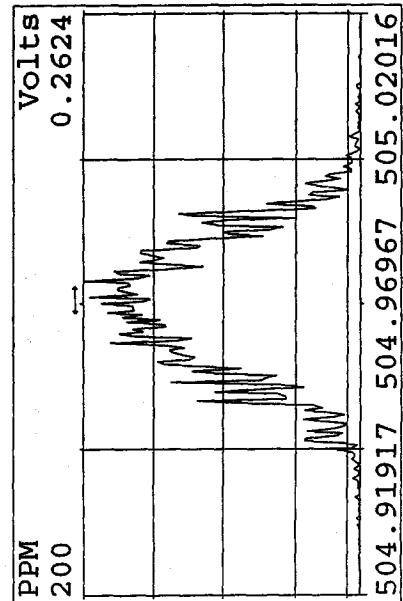
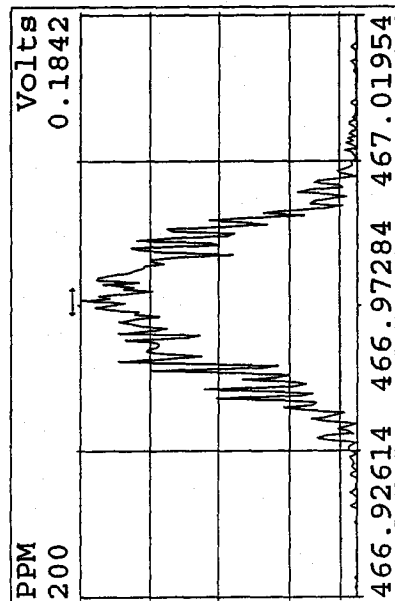
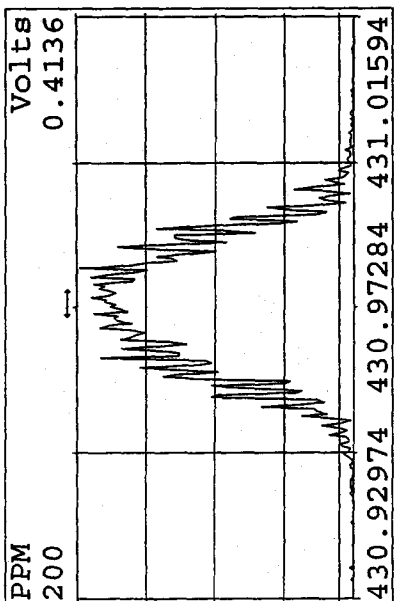
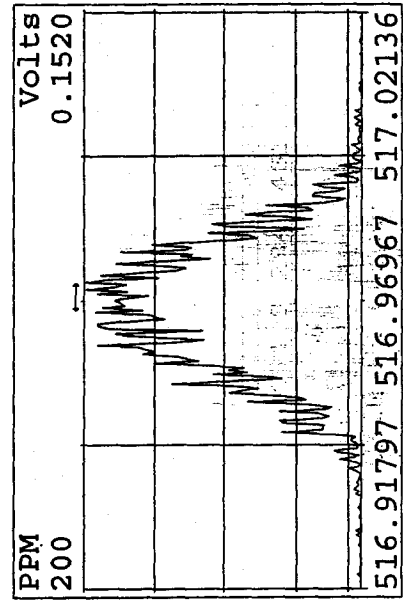
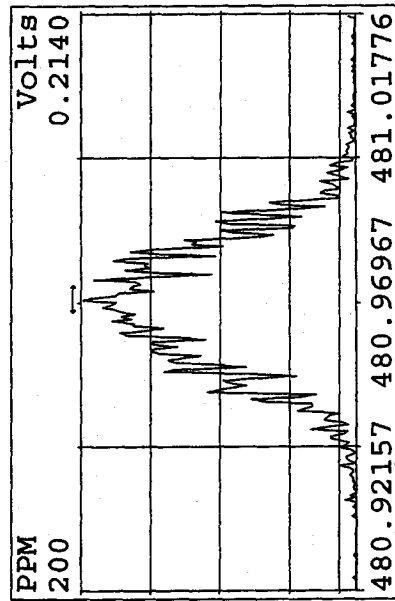
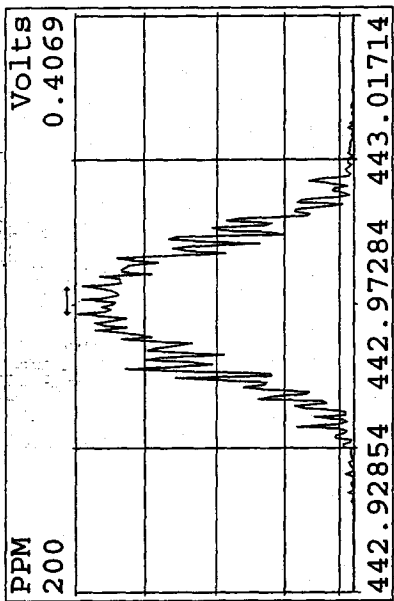
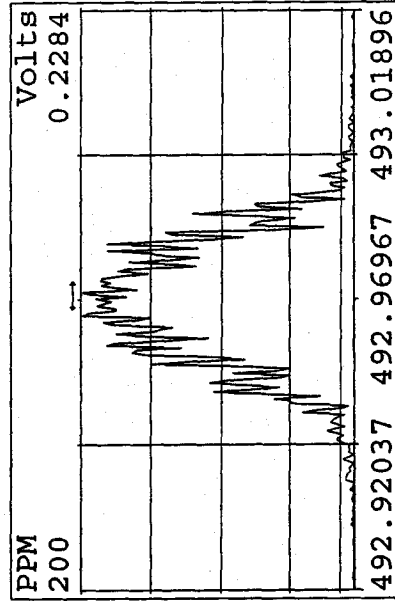
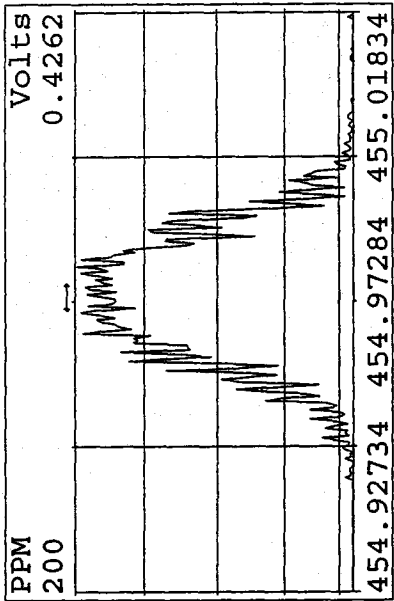
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



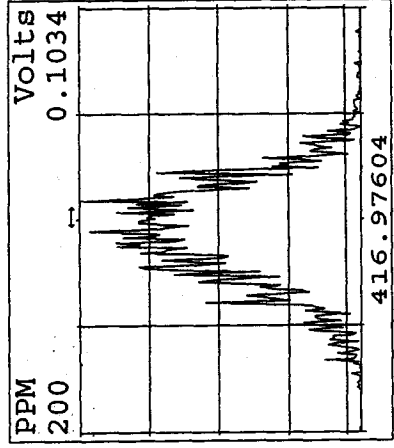
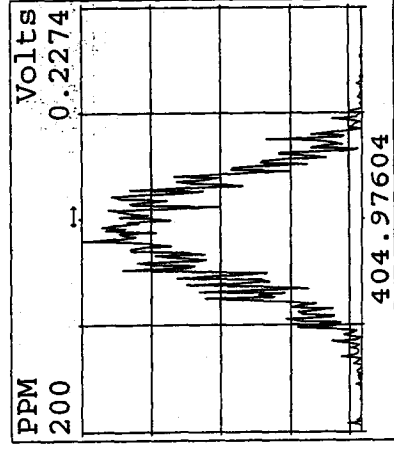
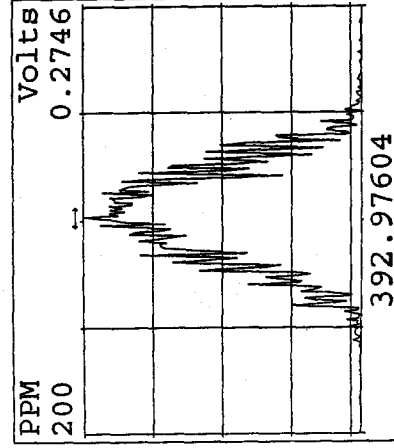
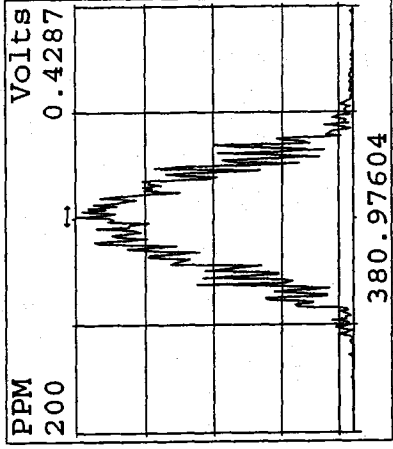
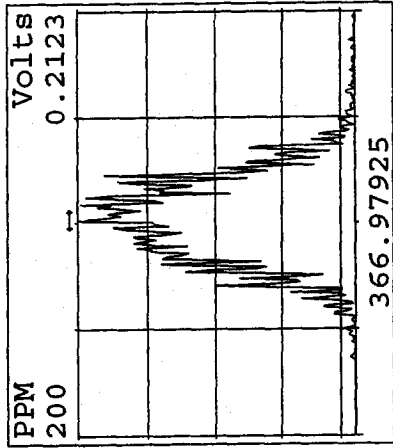
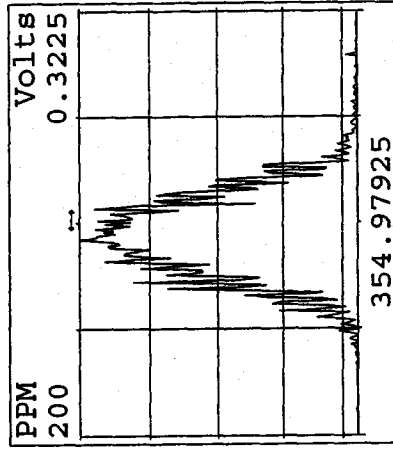
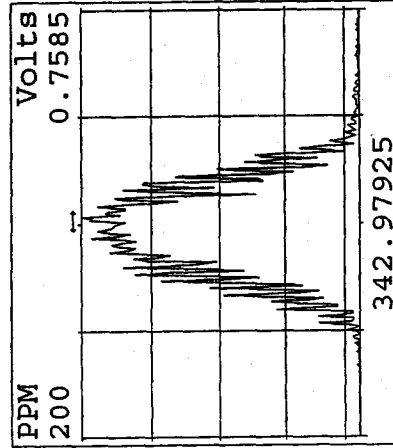
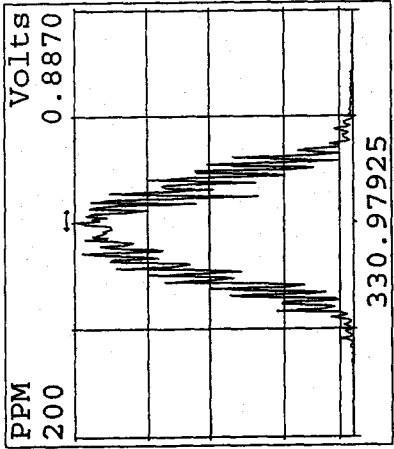
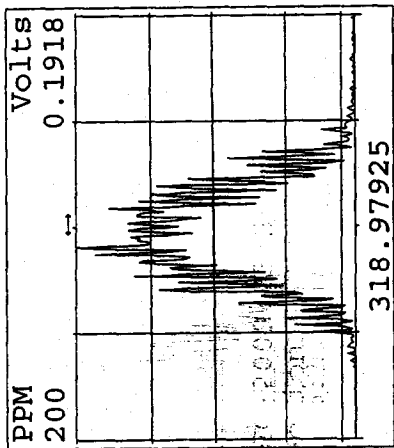
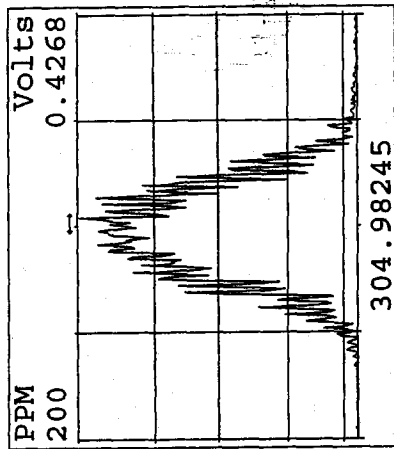
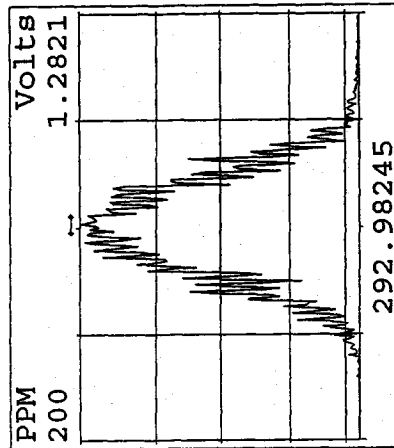
Peak Locate Examination:31-DEC-2009:23:22 File:31DE09A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



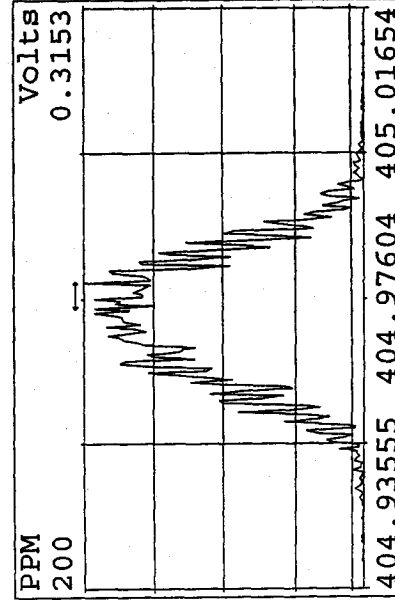
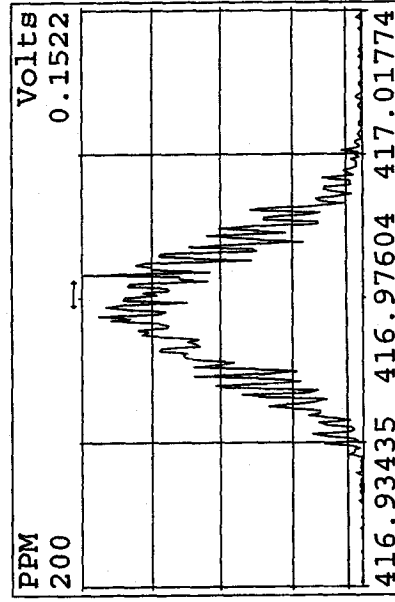
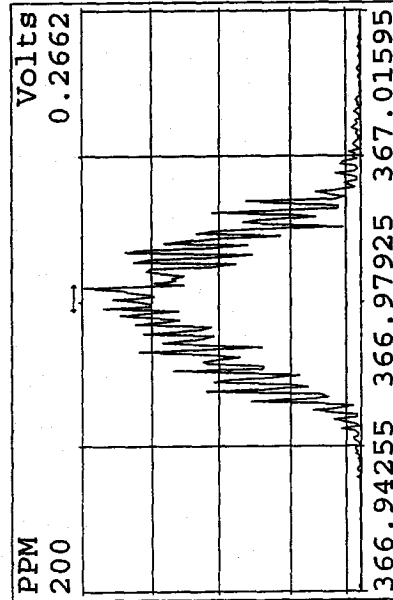
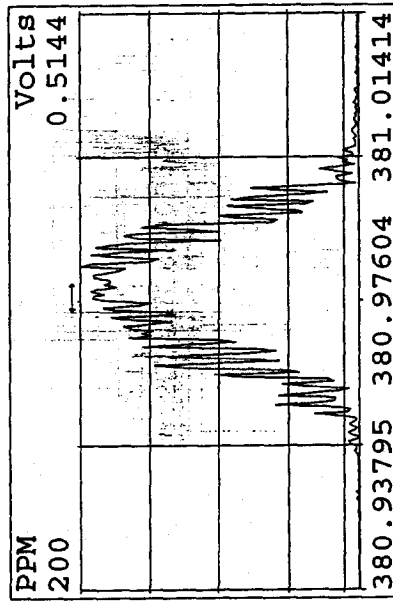
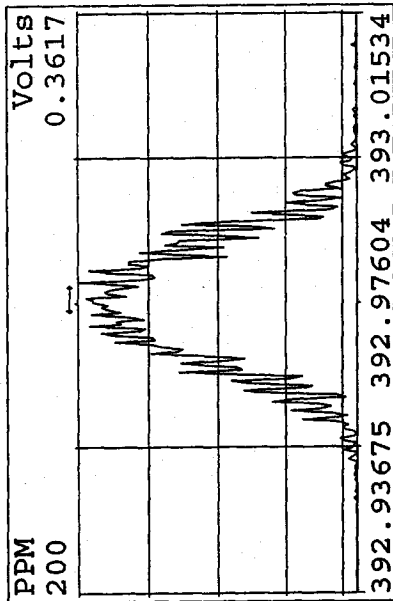
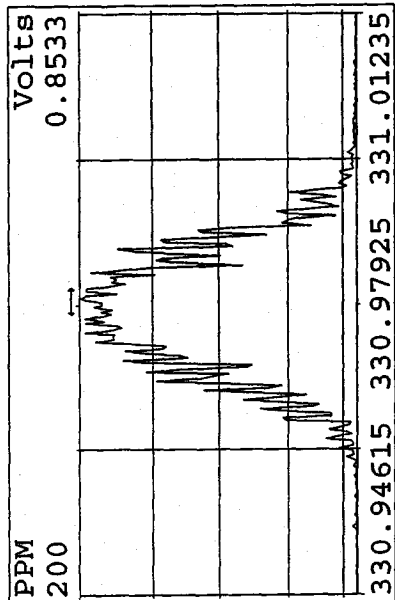
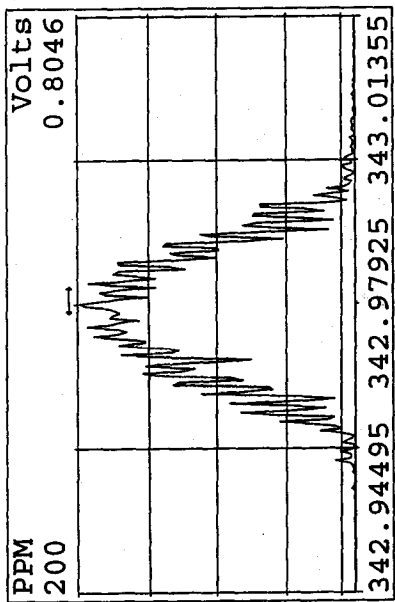
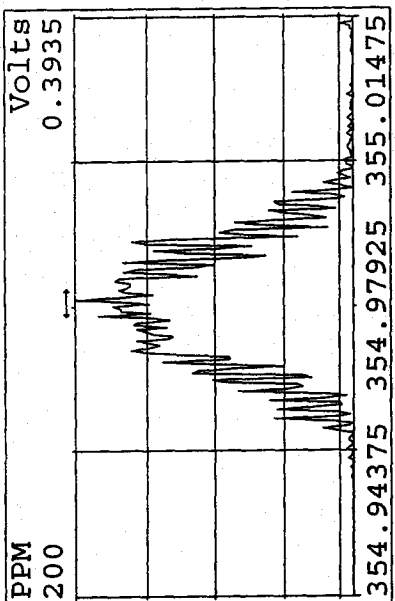
Peak Locate Examination: 31-DEC-2009 23:24 File: 31DE09A1D5  
 Experiment: DIOXIN Function: 5 Reference: PFK



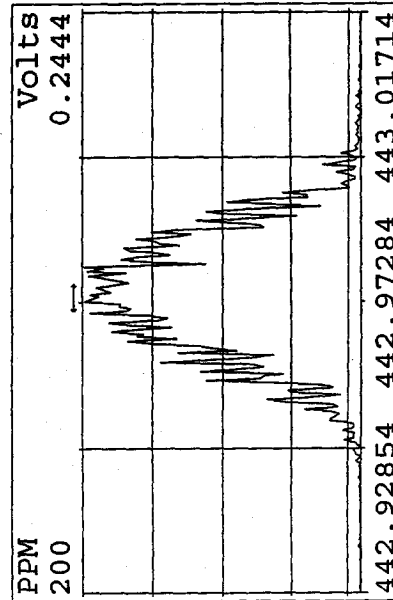
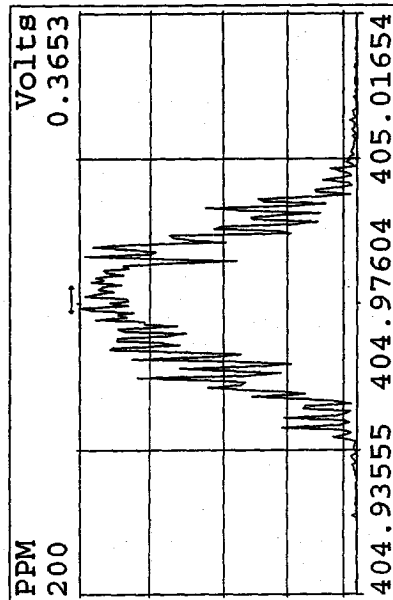
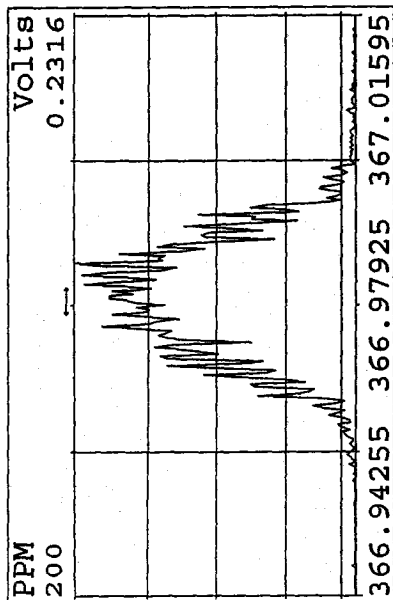
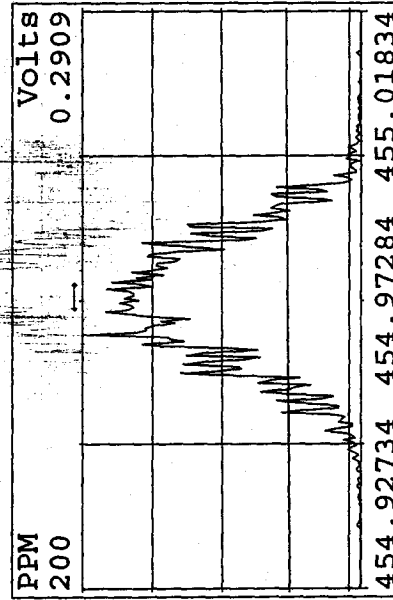
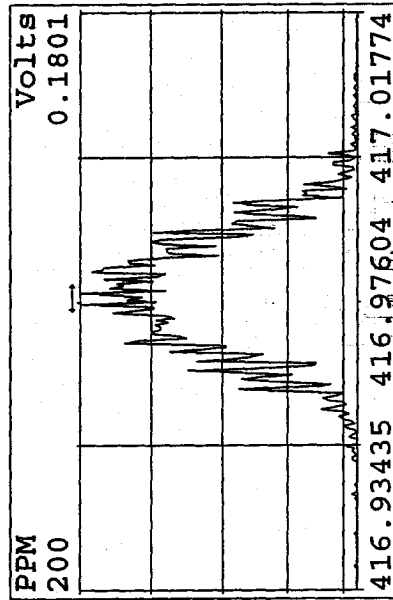
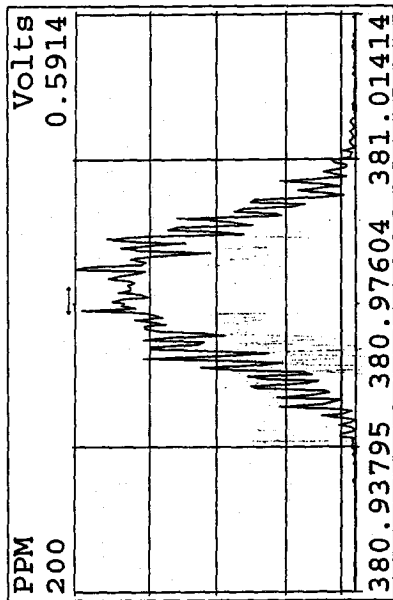
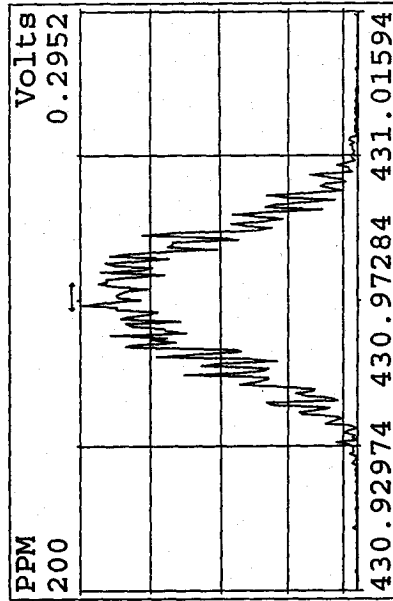
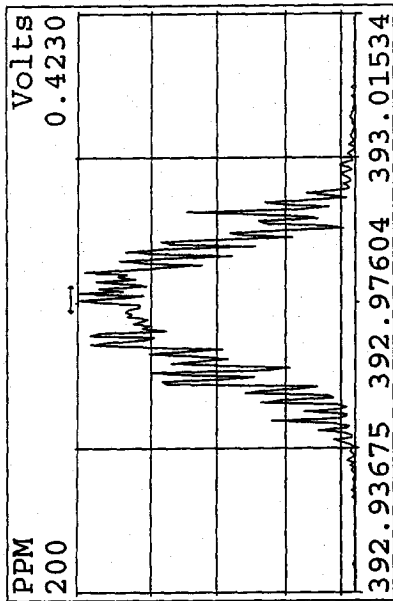
Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5  
 Experiment:DIOXIN Function:1 Reference:PFK



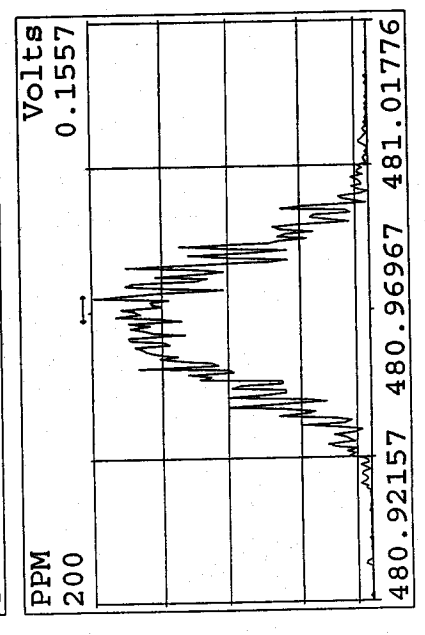
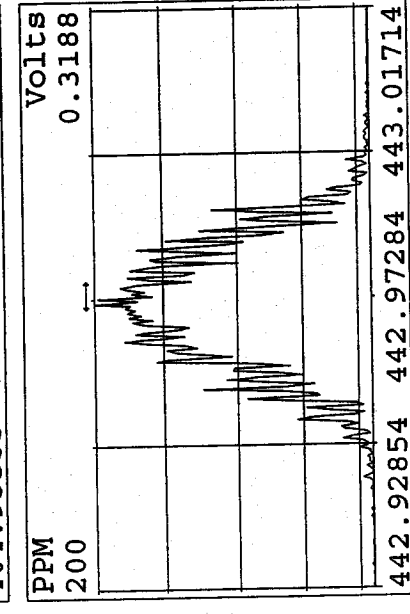
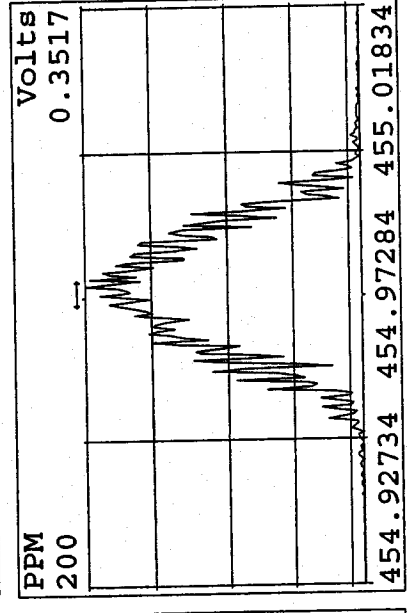
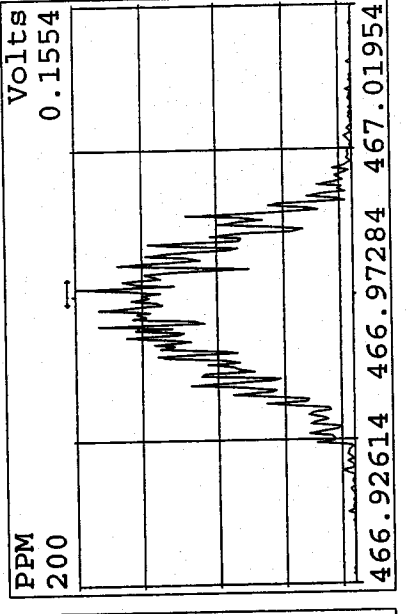
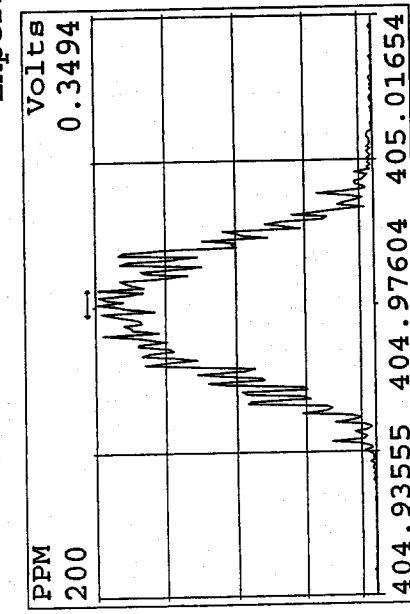
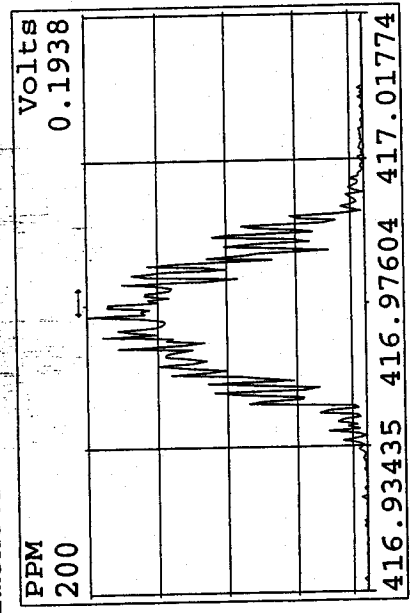
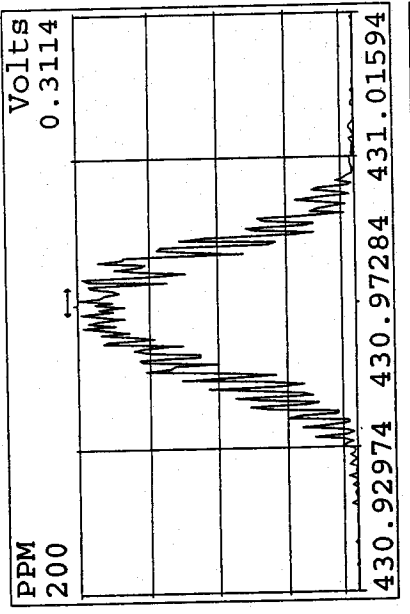
Peak Locate Examination: 1-JAN-2010:07:37 File:RESCHECK1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



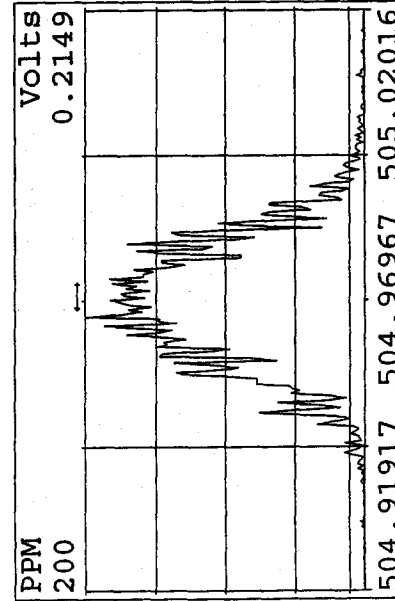
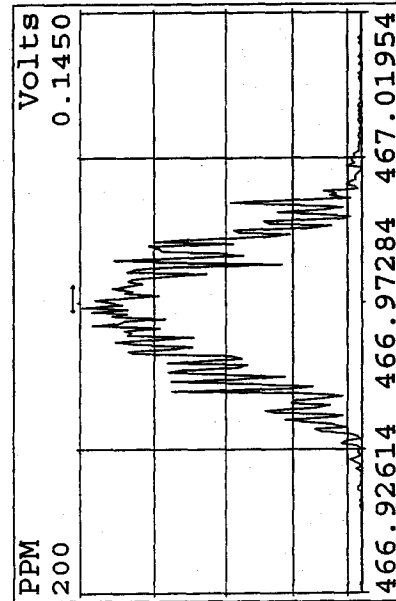
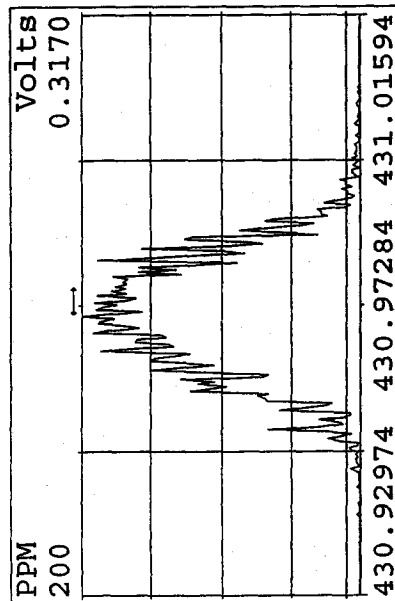
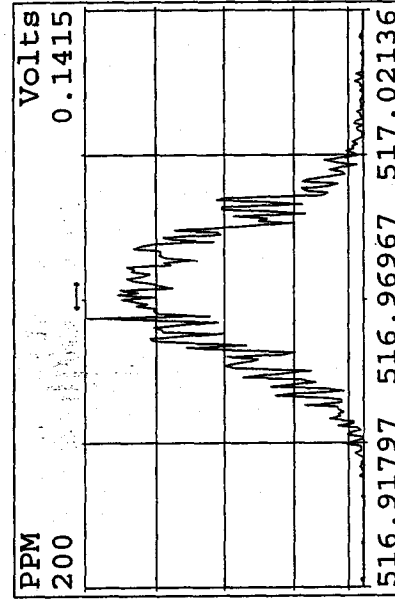
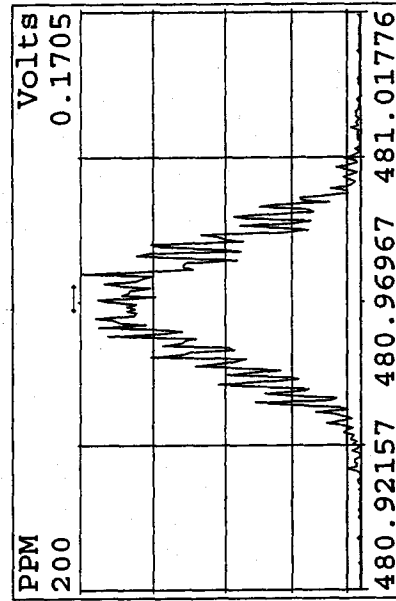
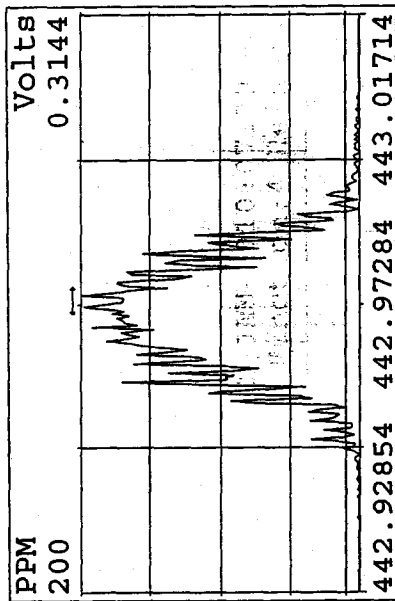
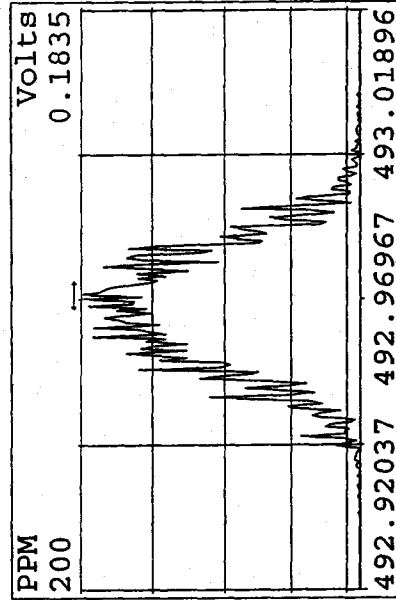
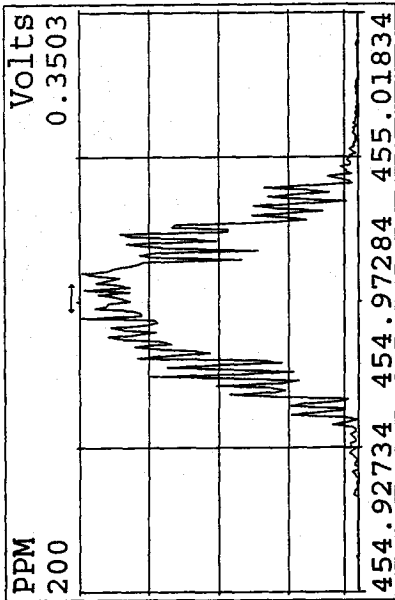
Peak Locate Examination: 1-JAN-2010:07:38 File:RESCHECK1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



Peak Locate Examination: 14JAN-2010:07:39 File:RESCHECK1D5  
 Experiment:DIOXIN Function:4 Reference:PFK

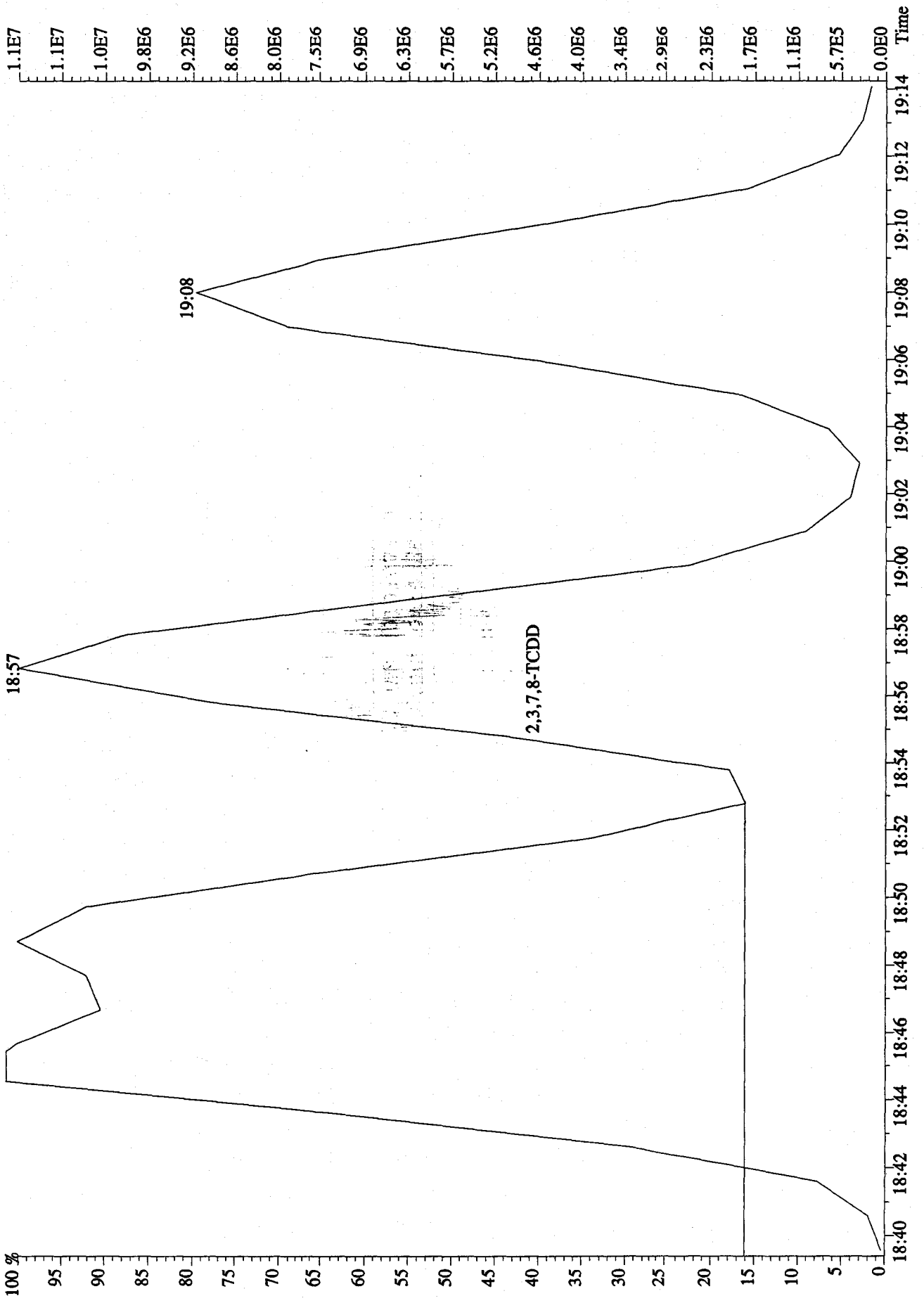


Peak Locate Examination: 1-JAN-2010:07:40 File:RESCHECK1D5  
 Experiment:DIOXIN Function:5 Reference:PFK





File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
321.8936



Quantitation Summary TestAmerica West Sacramento

Run text: ST1231G  
 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
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13C-1,2,3,4-TCDD	23326800	0.81	Y	18:42	-	74.89	-	3.7
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13C-2,3,7,8-TCDF	35341700	0.79	Y	18:09	1.57	1934.92	1.89	96.7
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2,3,7,8-TCDF	29473900	0.75	Y	18:10	0.86	193.98	1.19	-
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Total TCDF	29878342	0.71	Y	17:44	0.86	196.64	1.19	-
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13C-2,3,7,8-TCDD	23759900	0.79	Y	18:54	0.99	2050.84	3.63	102.5
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2,3,7,8-TCDD	20517060	0.77	Y	18:55	0.93	184.95	1.19	-
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Total TCDD	20584547	4.35	N	18:08	0.93	185.56	1.19	-
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37Cl-2,3,7,8-TCDD	54584600	1.00	Y	18:55	2.22	210.99	0.58	105.5
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13C-1,2,3,7,8-PCDF	258286200	1.61	Y	23:34	1.07	2064.12	1.55	103.2
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1,2,3,7,8-PCDF	61444300	1.63	Y	23:35	1.00	475.75	1.74	-
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13C-2,3,4,7,8-PCDF	243753700	1.62	Y	24:59	1.03	2025.63	1.61	101.3
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2,3,4,7,8-PCDF	55918300	1.65	Y	25:01	0.98	469.60	2.00	-
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Total F1 PCDF	218994	0.56	N	16:04	0.99	1.76	1.60	-
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13C-1,2,3,7,8-PCDD	156506400	1.64	Y	25:46	0.67	2013.73	1.54	100.7
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1,2,3,7,8-PCDD	33662100	1.63	Y	25:48	0.93	462.96	2.68	-
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Total PCDD	33824671	3.66	N	25:27	0.93	465.20	2.68	-
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13C-1,2,3,7,8,9-HxCDD	177940200	1.25	Y	32:51	-	64.87	-	-
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13C-1,2,3,4,7,8-HxCDF	184934800	0.51	Y	31:27	0.89	2328.15	4.47	116.4
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1,2,3,4,7,8-HxCDF	53136200	1.31	Y	31:28	1.20	479.25	2.45	-
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13C-1,2,3,6,7,8-HxCDF	244860900	0.52	Y	31:36	1.14	2407.44	3.49	120.4
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1,2,3,6,7,8-HxCDF	62674400	1.23	Y	31:37	1.07	477.98	2.04	-
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13C-2,3,4,6,7,8-HxCDF	206484200	0.51	Y	32:17	0.99	2340.79	4.03	117.0
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2,3,4,6,7,8-HxCDF	51999200	1.28	Y	32:18	1.12	450.75	2.09	-
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Total HxCDF	220020700	1.31	Y	31:28	1.12	1884.27	2.20	-
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13C-1,2,3,4,7,8-HxCDD	148948400	1.25	Y	32:27	0.73	2291.14	1.29	114.6
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1,2,3,4,7,8-HxCDD	35533800	1.25	Y	32:28	0.97	493.76	1.44	-
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13C-1,2,3,6,7,8-HxCDD	152466700	1.30	Y	32:33	0.73	2340.82	1.29	117.0
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1,2,3,6,7,8-HxCDD	38830200	1.26	Y	32:34	1.06	481.27	1.47	-
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Total HxCDD	114605618	3.00	N	32:17	1.10	1395.19	1.34	-
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13C-1,2,3,4,6,7,8-HpCDF	173164700	0.43	Y	34:36	0.86	2262.83	6.25	113.1
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1,2,3,4,6,7,8-HpCDF	54083400	1.05	Y	34:37	1.29	485.50	1.92	-
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13C-1,2,3,4,7,8,9-HpCDF	152527600	0.42	Y	35:53	0.77	2233.57	7.00	111.7
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1,2,3,4,7,8,9-HpCDF	44615700	1.05	Y	35:54	1.27	459.77	2.42	-
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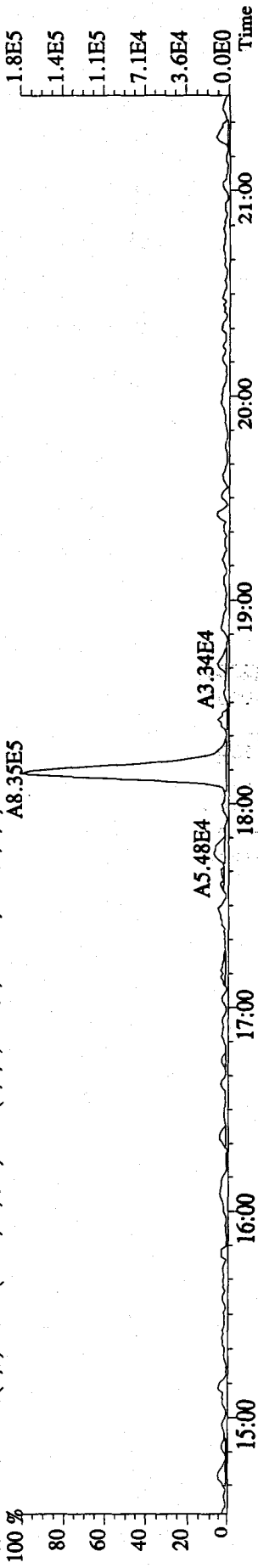
Total HpCDF	98699100	1.05	Y	34:37	1.28	945.27	2.15	-
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13C-1,2,3,4,6,7,8-HpCDD	150261100	1.06	Y	35:32	0.75	2245.36	4.02	112.3	n
13C-1,2,3,4,6,7,8-HpCDD	35301400	1.05	Y	35:33	1.00	470.89	2.29	-	n
Total HpCDD	35553500	0.78	n	34:54	1.00	474.25	2.29	-	n
13C-OCDD	214408000	0.91	Y	38:20	0.56	4269.63	4.55	106.7	n
OCDF	71179900	0.89	Y	38:28	1.44	923.89	2.51	-	n
OCDD	55918600	0.88	Y	38:20	1.11	940.23	2.77	-	n

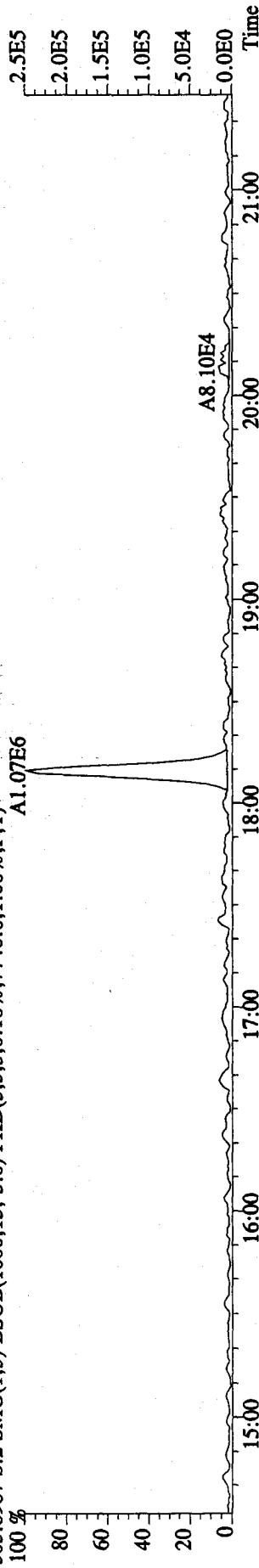
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

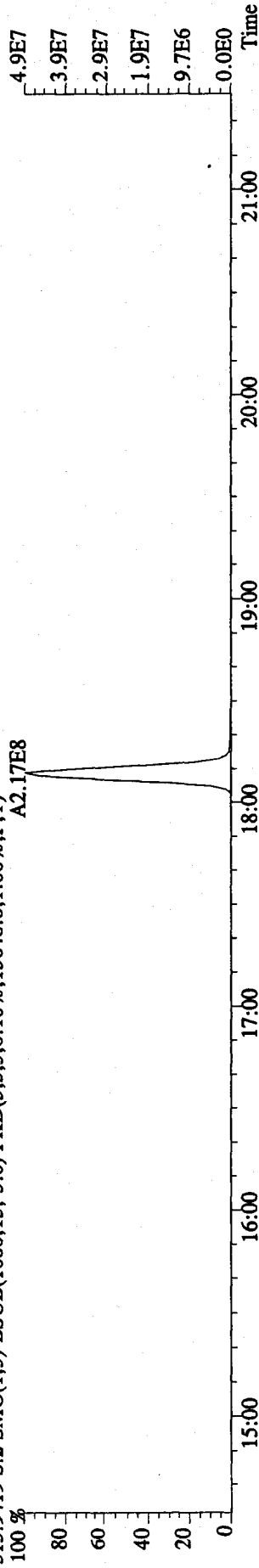
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4776.0,1.00%,F,T)



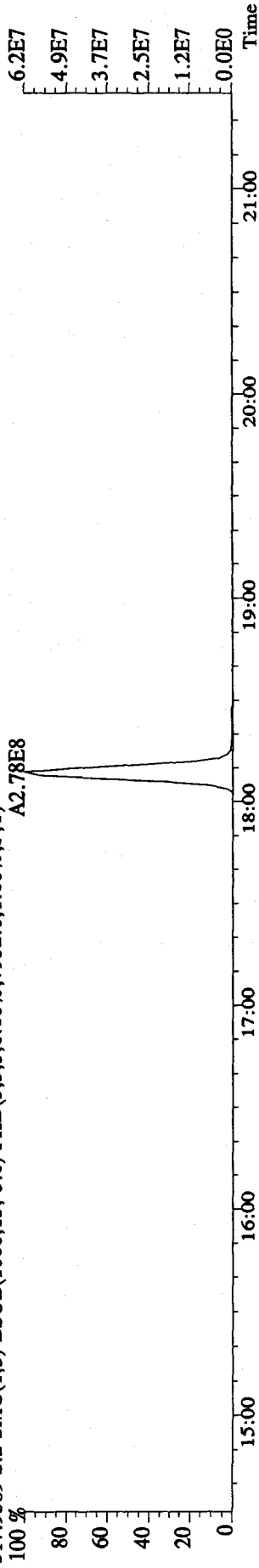
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7740.0,1.00%,F,T)



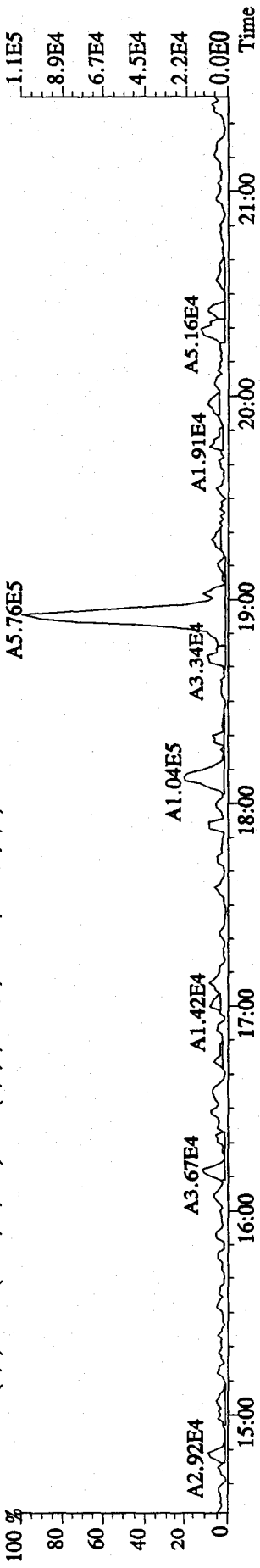
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13648.0,1.00%,F,T)



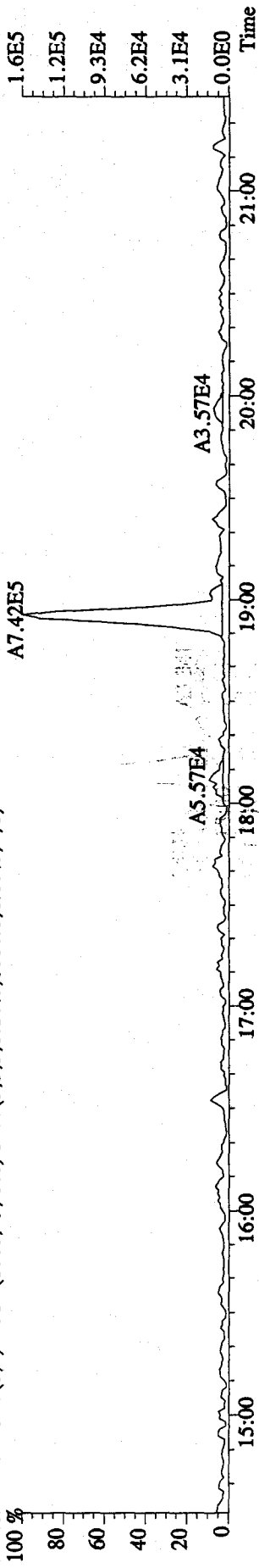
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7932.0,1.00%,F,T)



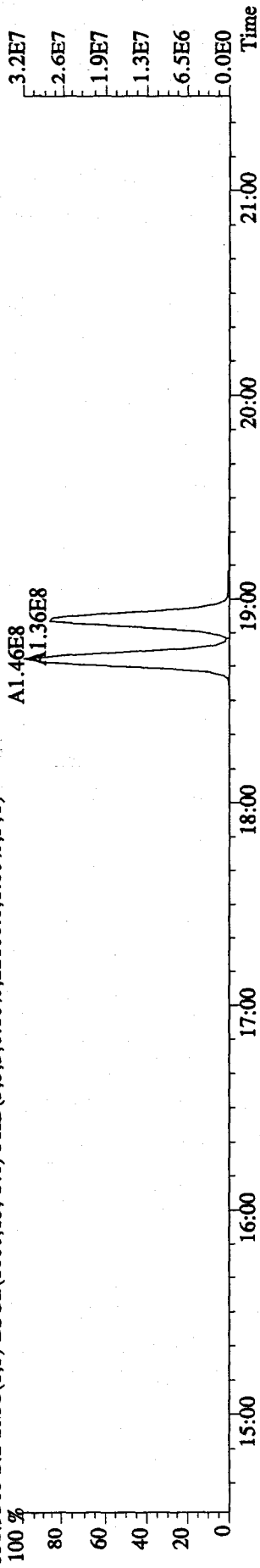
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST123IB :CS-1 09DXN422 Exp:DIOXIN  
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



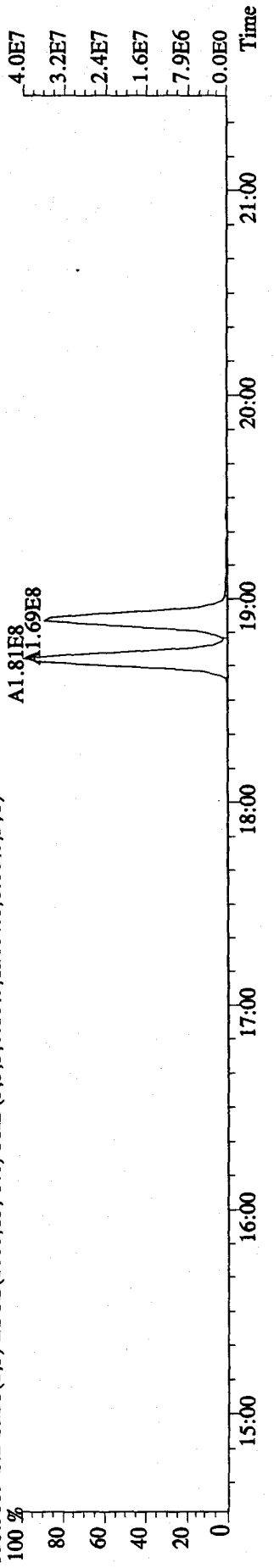
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6064.0,1.00%,F,T)



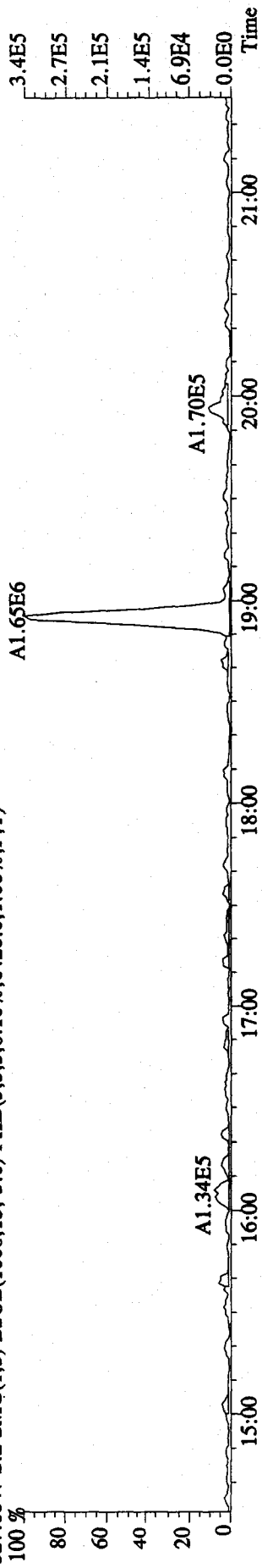
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22100.0,1.00%,F,T)



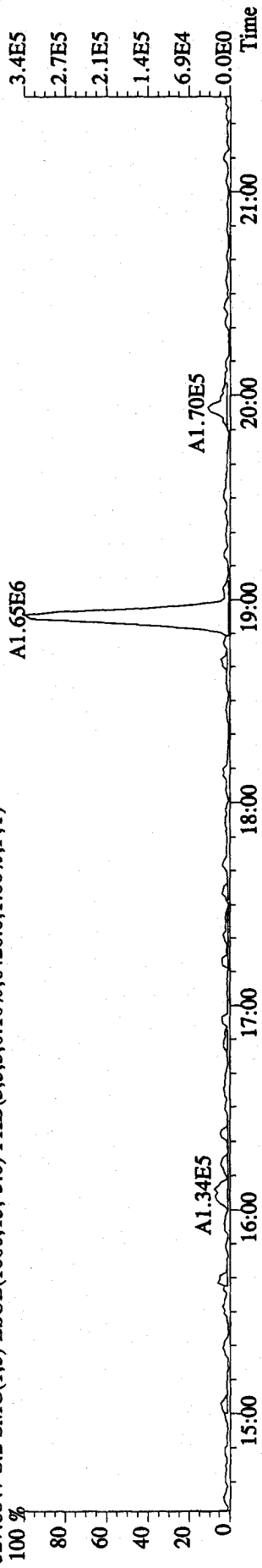
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12604.0,1.00%,F,T)



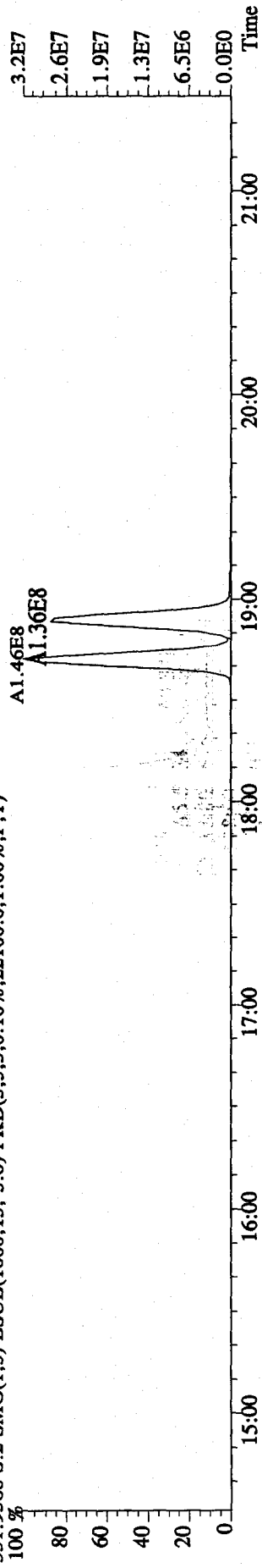
File:31DE09AID5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6428.0,1.00%,F,T)



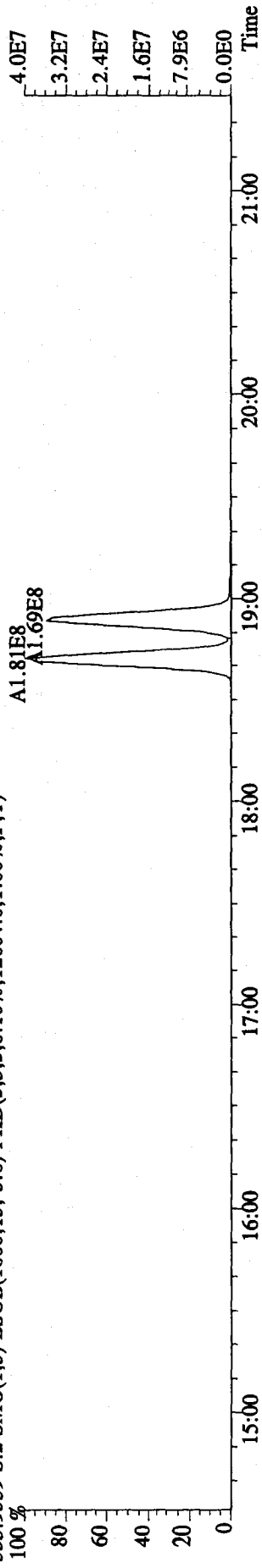
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6428.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22100.0,1.00%,F,T)



333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12604.0,1.00%,F,T)



File:31DE09AID5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422

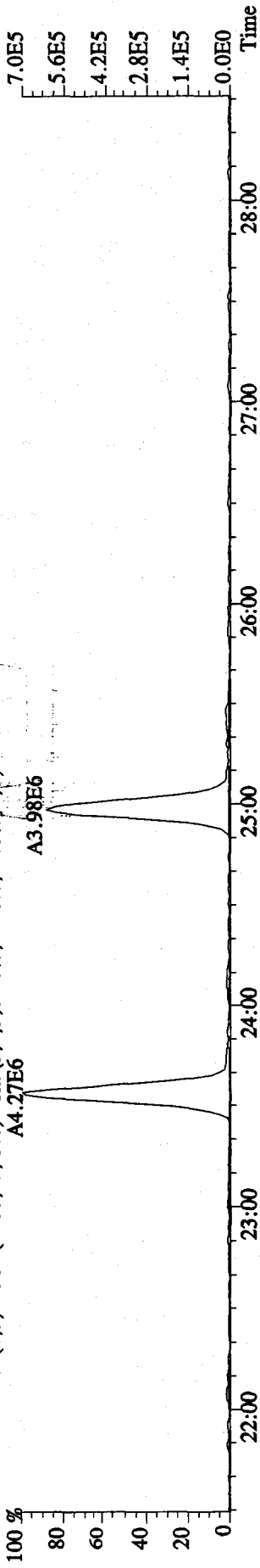
Exp:DIOXIN

339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)

A4.27E6

A3.98E6

7.0E5  
5.6E5  
4.2E5  
2.8E5  
1.4E5  
0.0E0  
Time

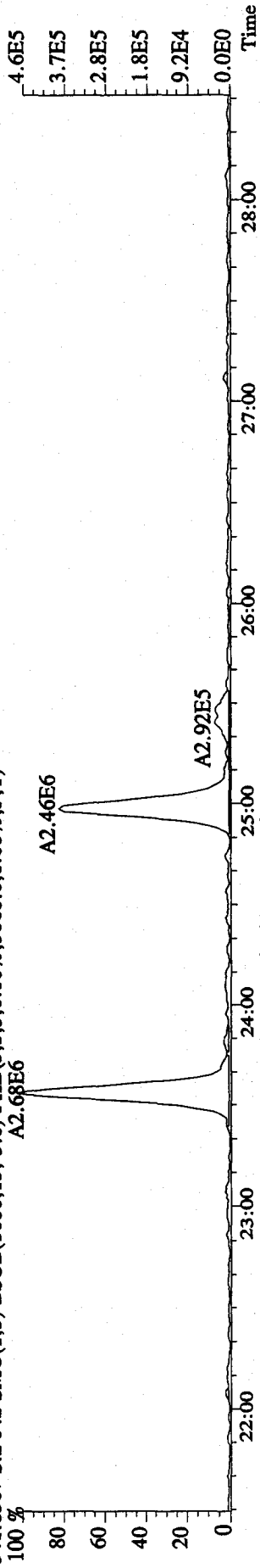


341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)

A2.68E6

A2.46E6

4.6E5  
3.7E5  
2.8E5  
1.8E5  
9.2E4  
0.0E0  
Time

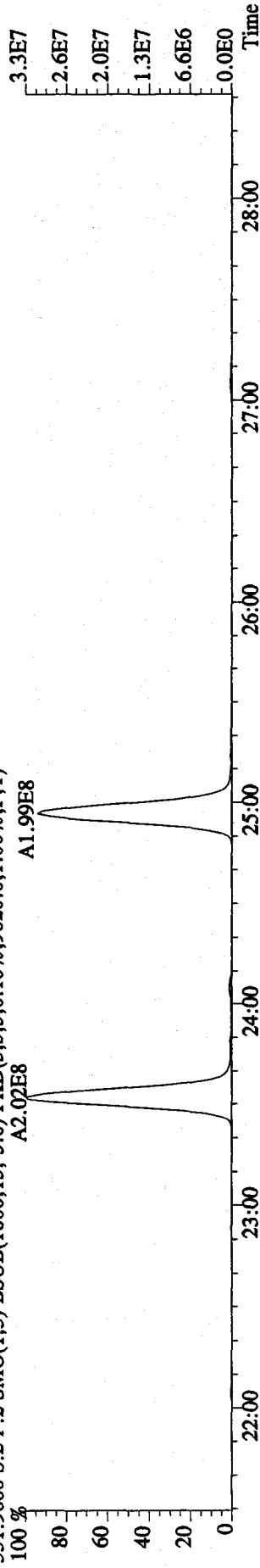


351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9020.0,1.00%,F,T)

A2.02E8

A1.99E8

3.3E7  
2.6E7  
2.0E7  
1.3E7  
6.6E6  
0.0E0  
Time

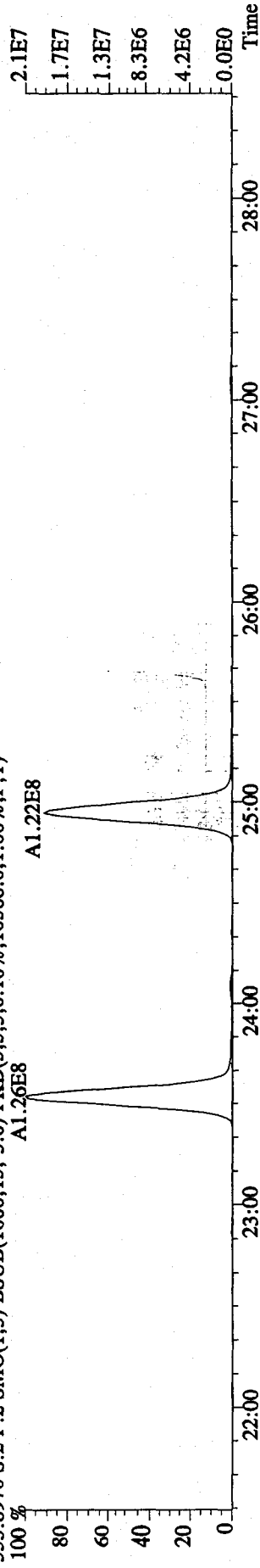


353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10368.0,1.00%,F,T)

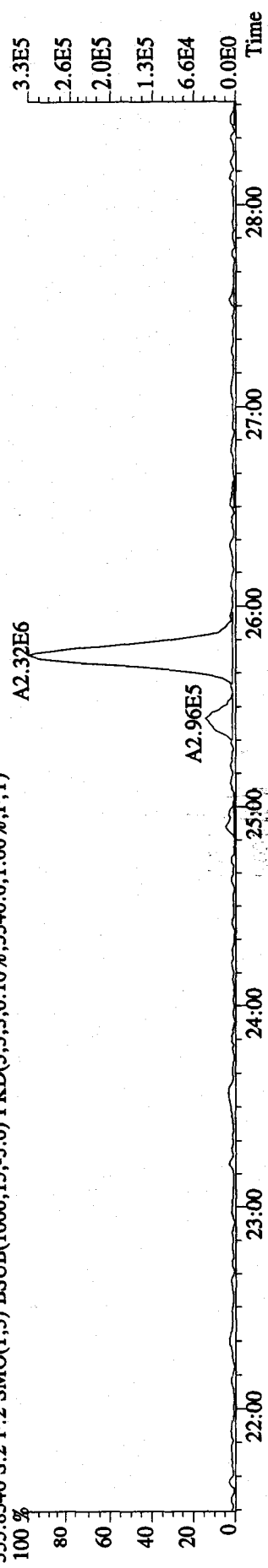
A1.26E8

A1.22E8

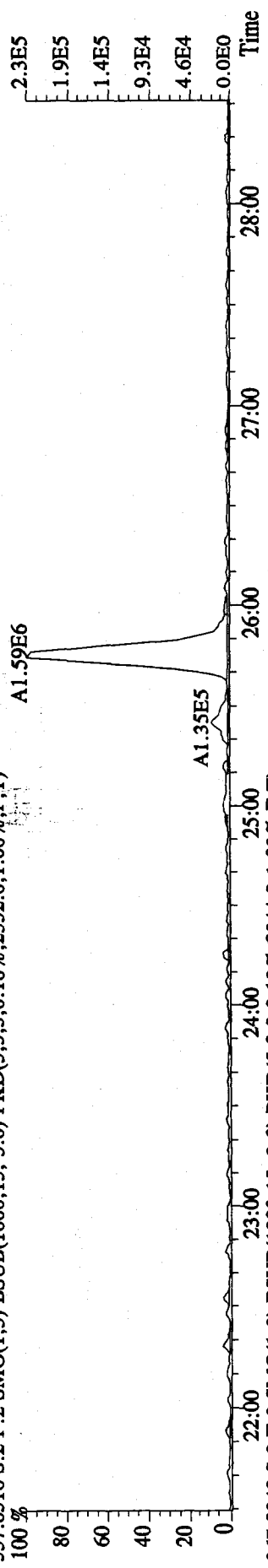
2.1E7  
1.7E7  
1.3E7  
8.3E6  
4.2E6  
0.0E0  
Time



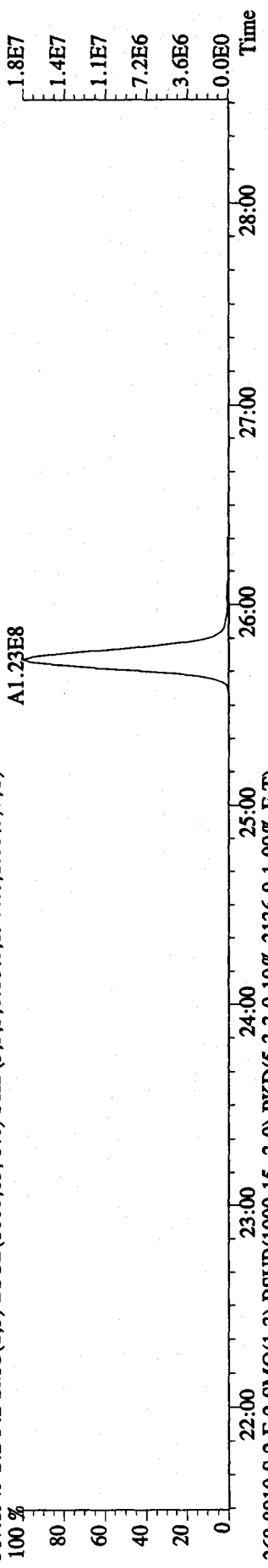
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5340.0,1.00%,F,T)



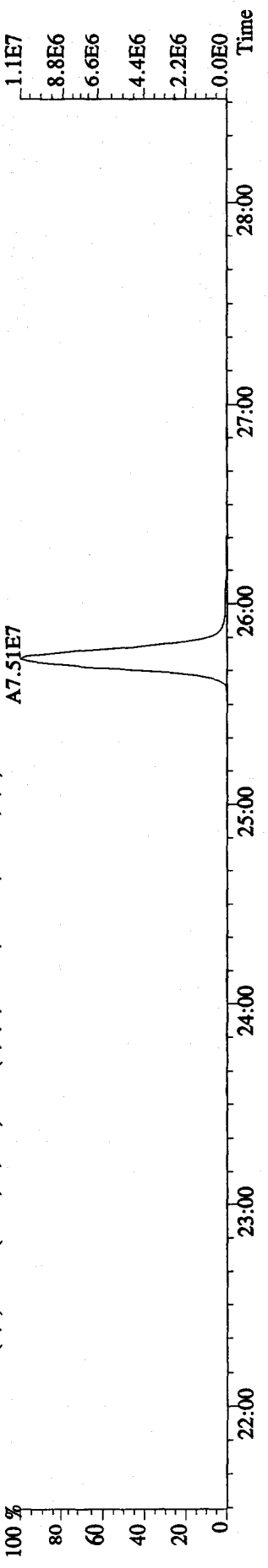
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8944.0,1.00%,F,T)



369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3136.0,1.00%,F,T)

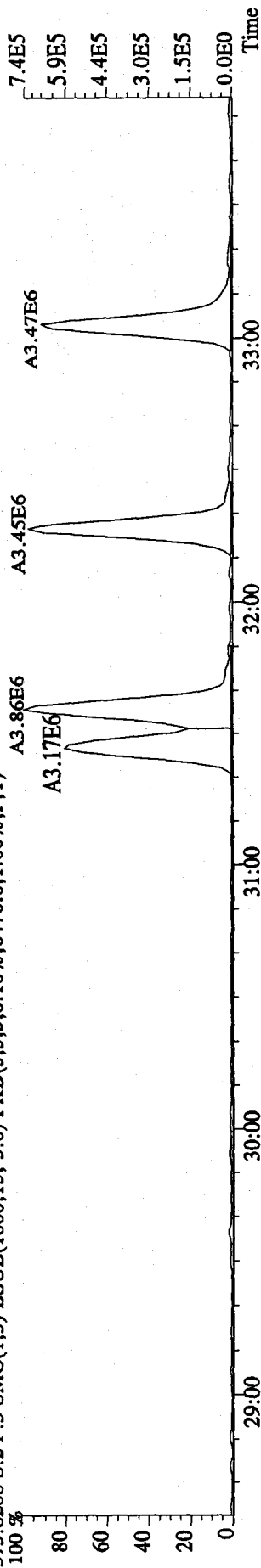




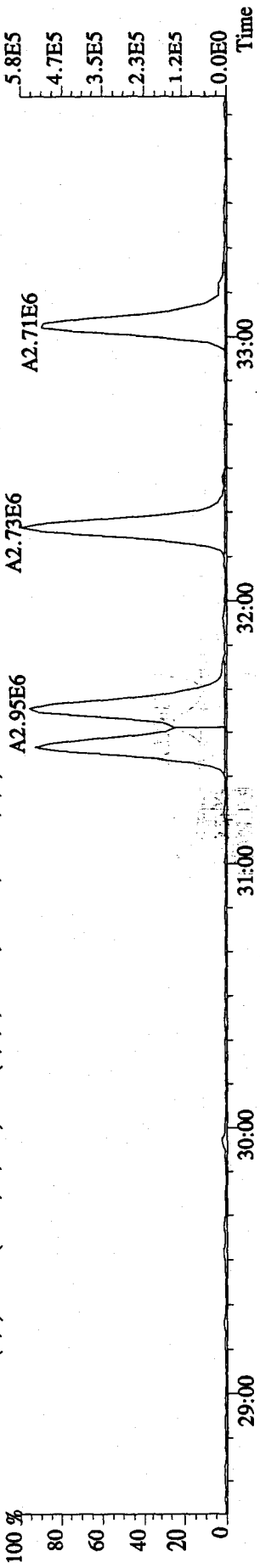
File:31DE09AID5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

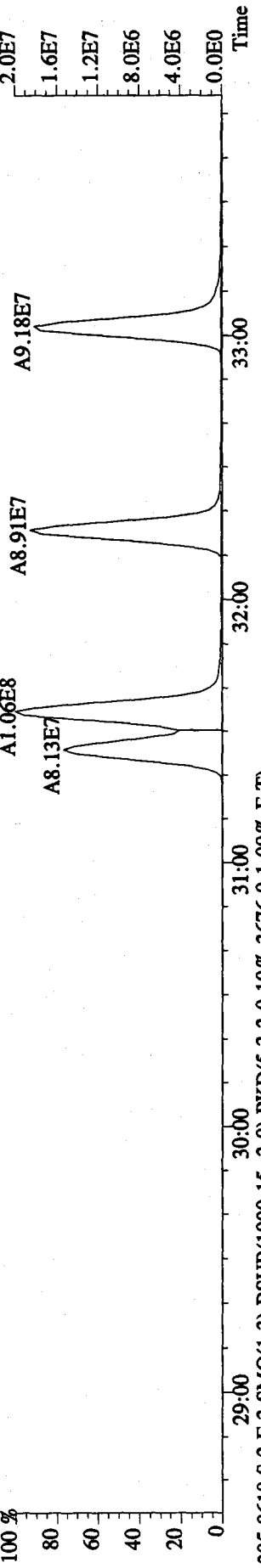
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6476.0,1.00%,F,T)



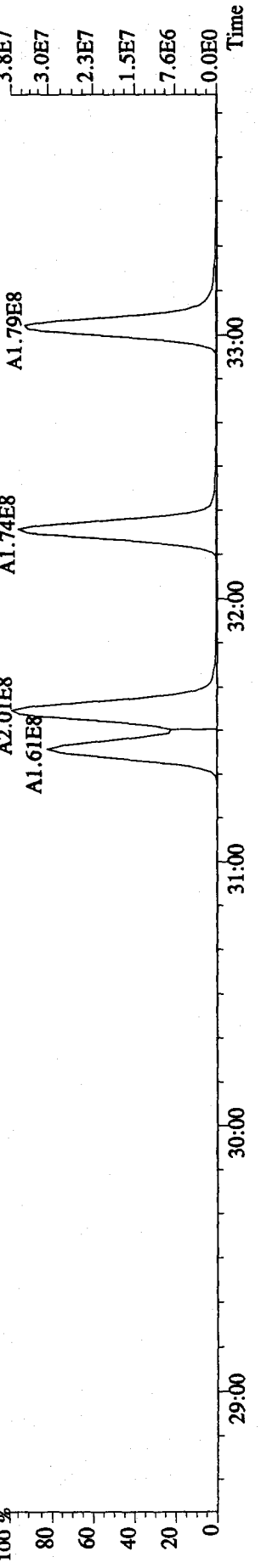
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)



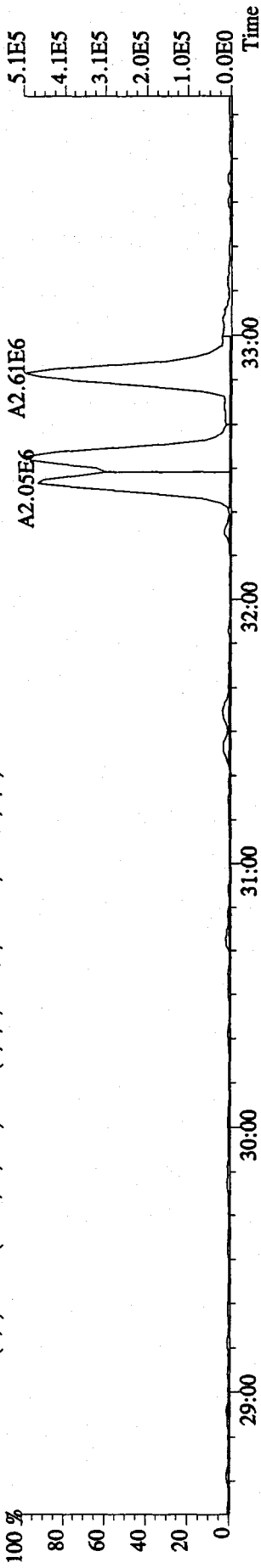
383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568.0,1.00%,F,T)



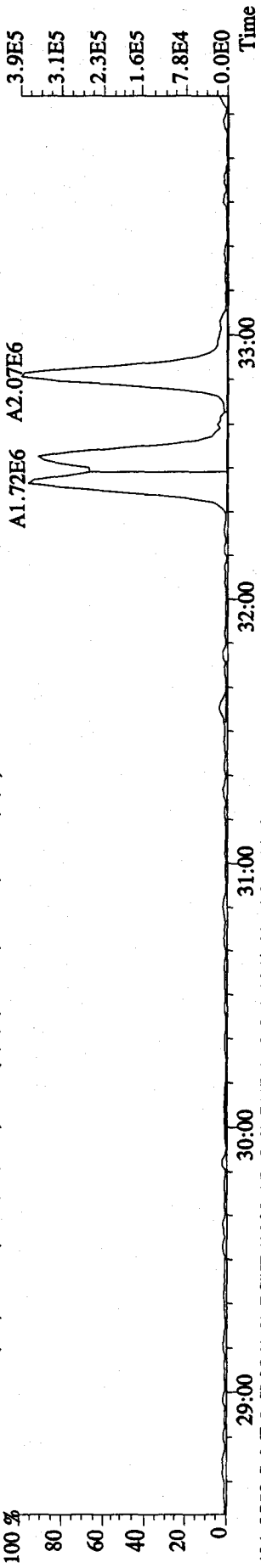
385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)



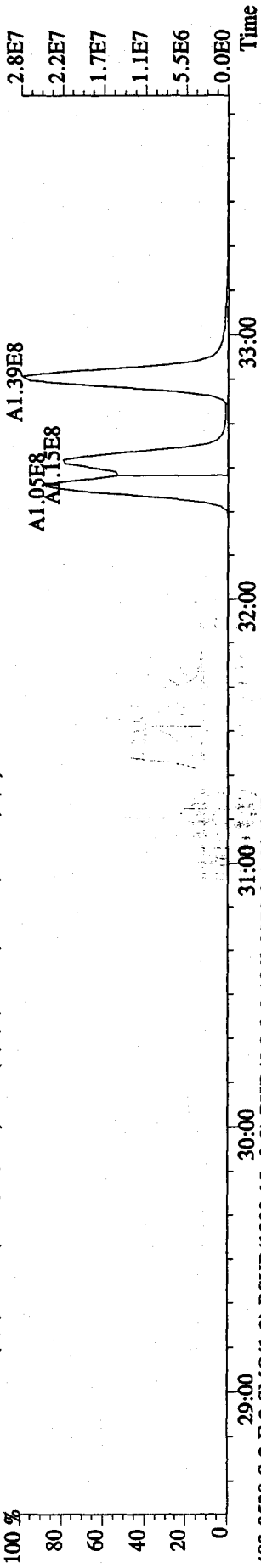
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3464.0,1.00%,F,T)



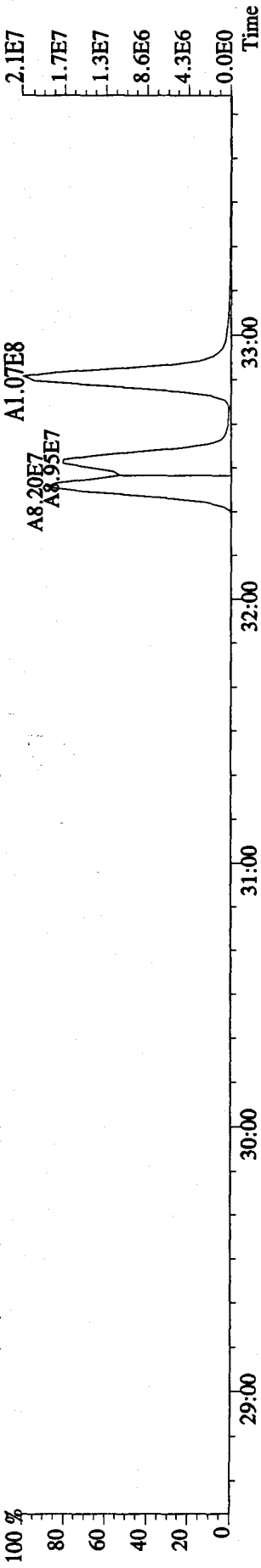
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3888.0,1.00%,F,T)



401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2896.0,1.00%,F,T)

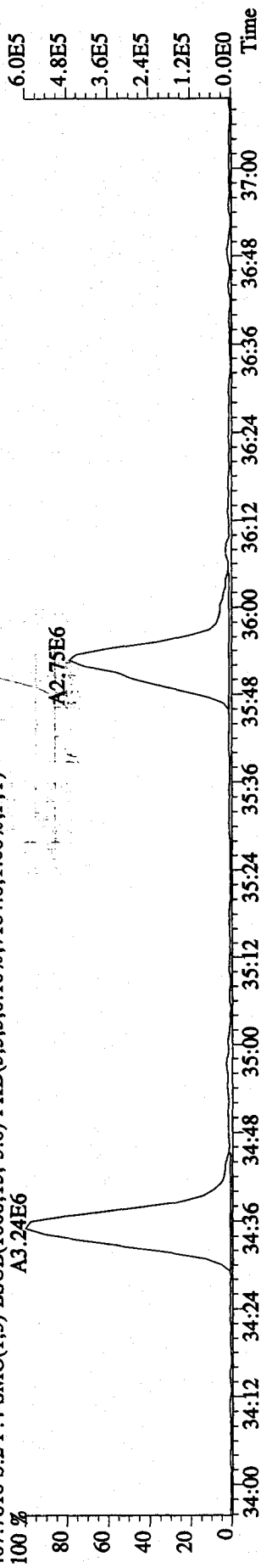


403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3872.0,1.00%,F,T)

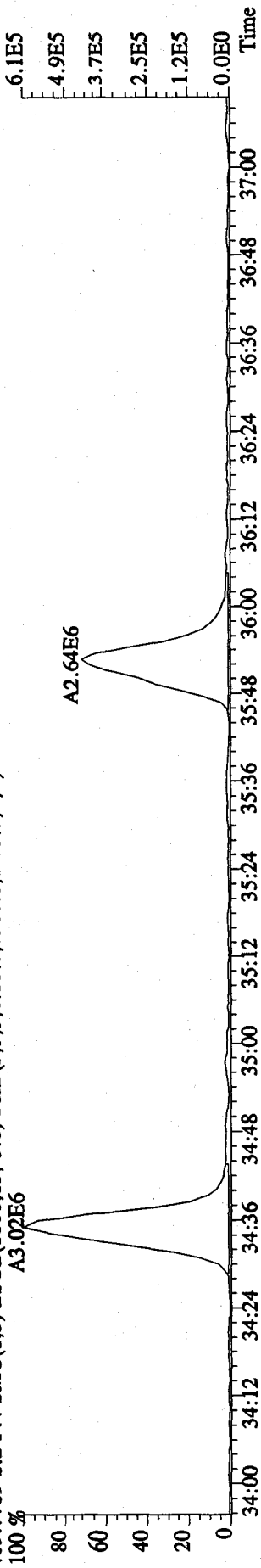


File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

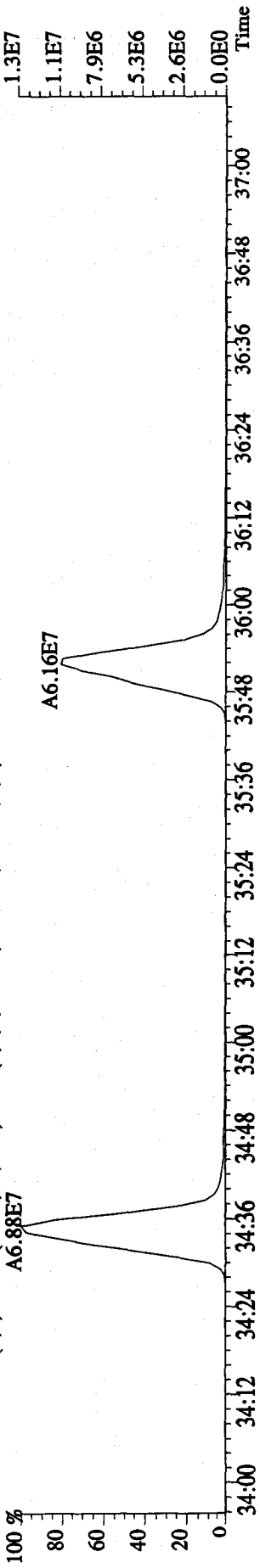
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7184.0,1.00%,F,T)



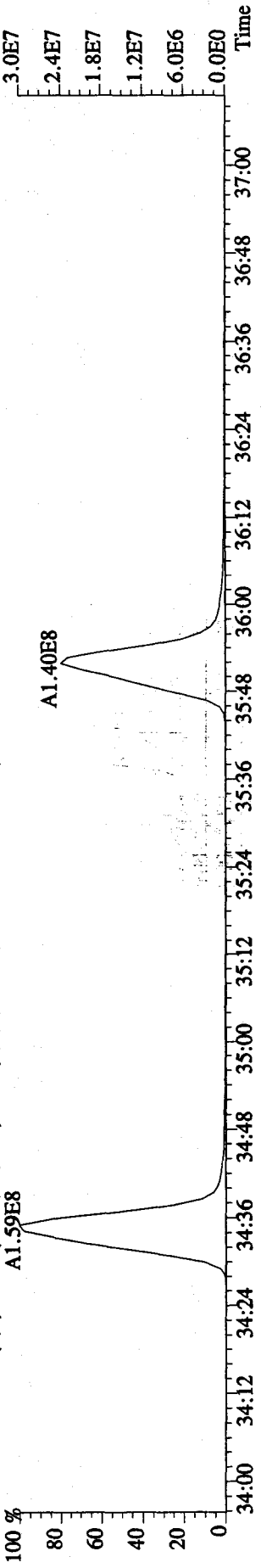
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7908.0,1.00%,F,T)



417.8253 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23516.0,1.00%,F,T)



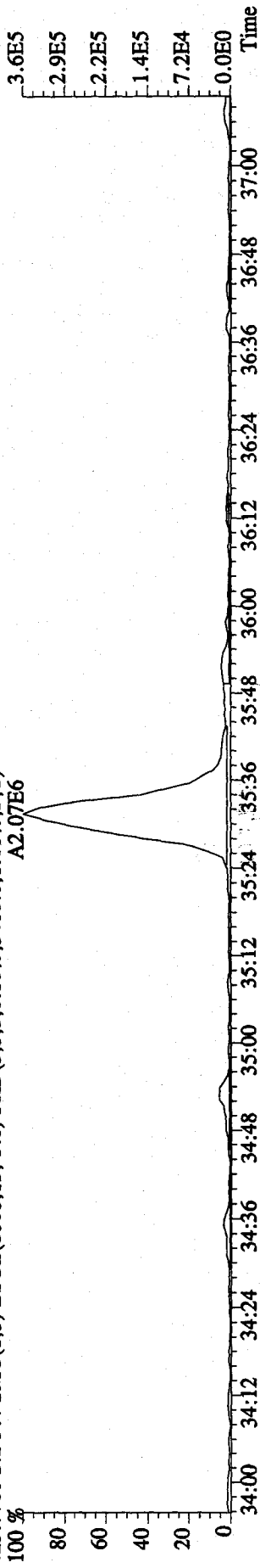
419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16460.0,1.00%,F,T)



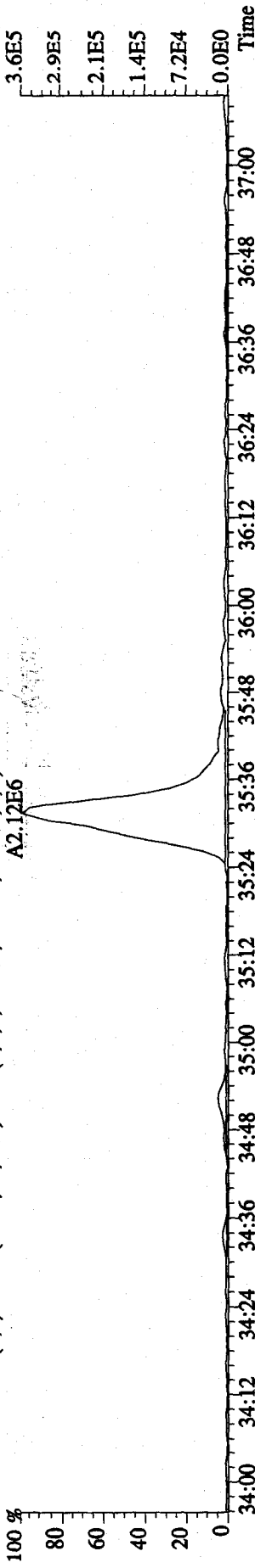
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

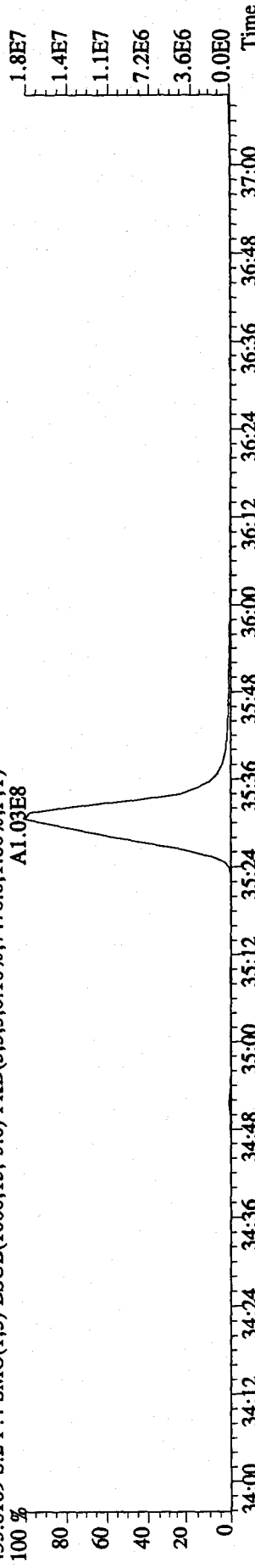
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)  
A2.07E6



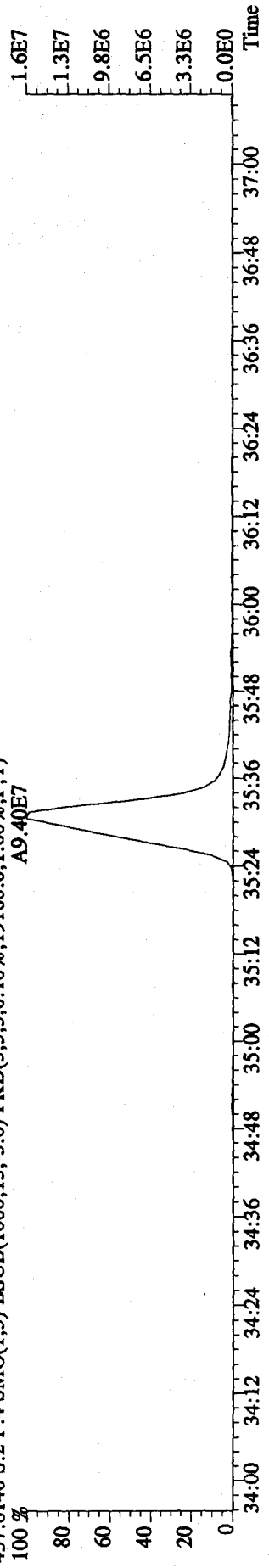
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3508.0,1.00%,F,T)  
A2.12E6



435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7476.0,1.00%,F,T)  
A1.03E8



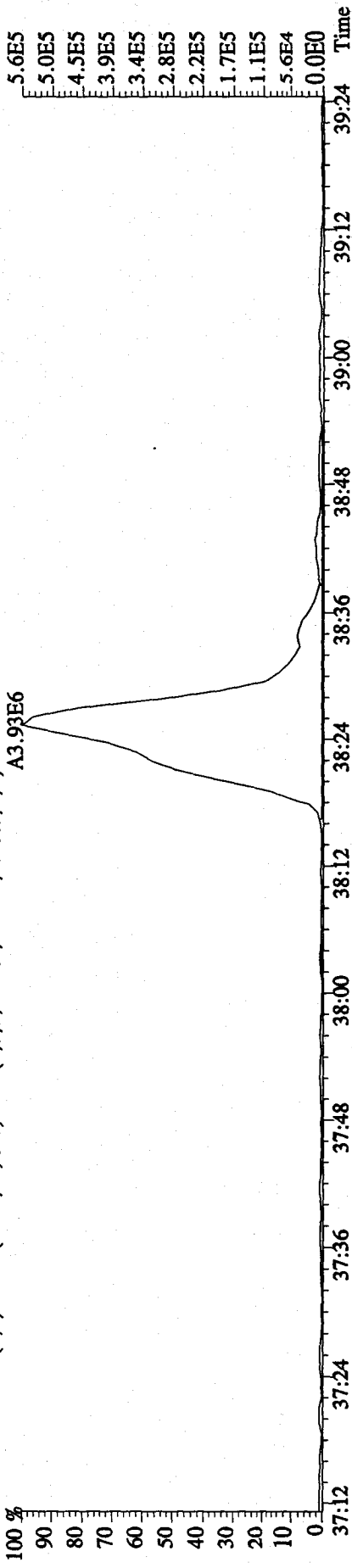
437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19160.0,1.00%,F,T)  
A9.40E7



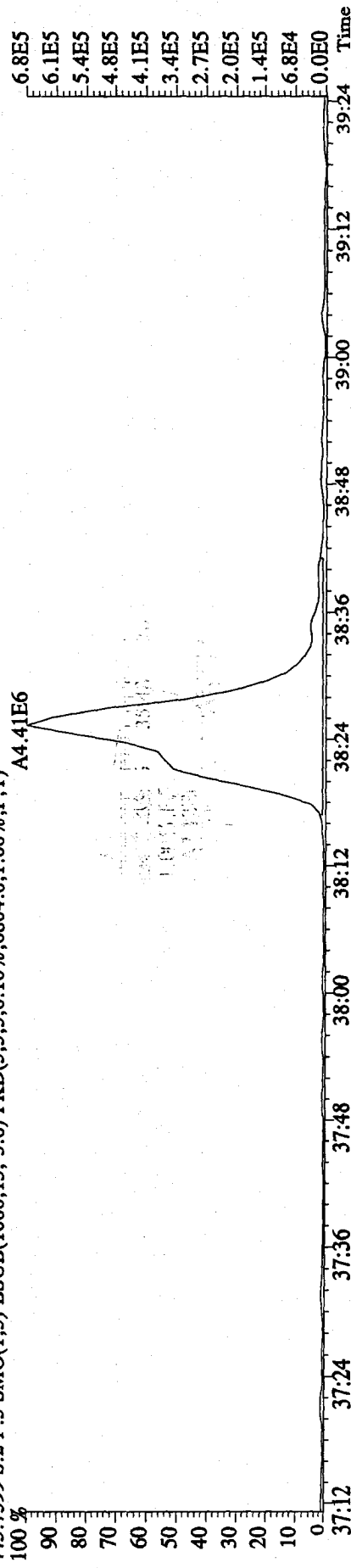
File:31DE09AIDS #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

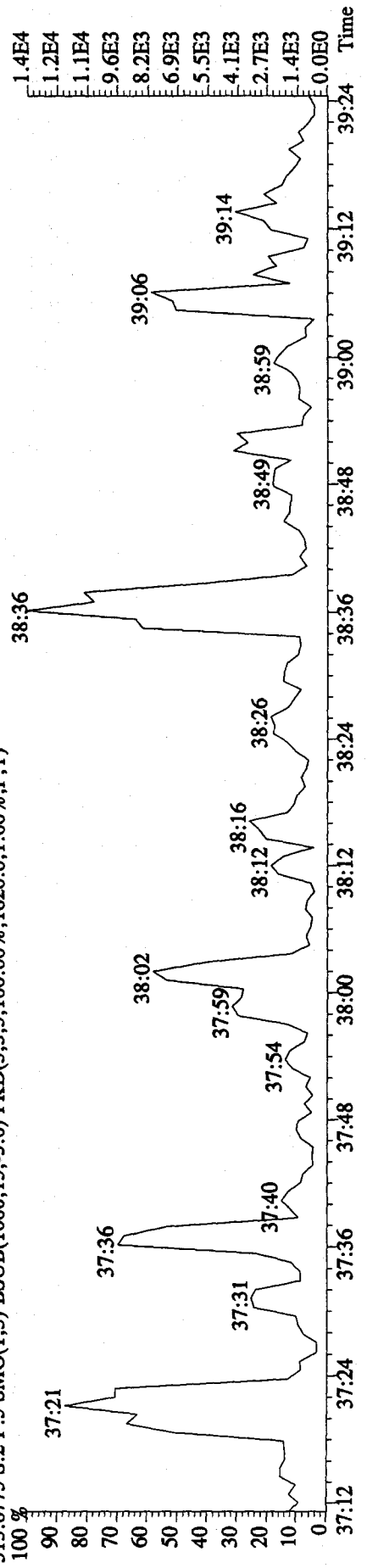
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6804.0,1.00%,F,T)



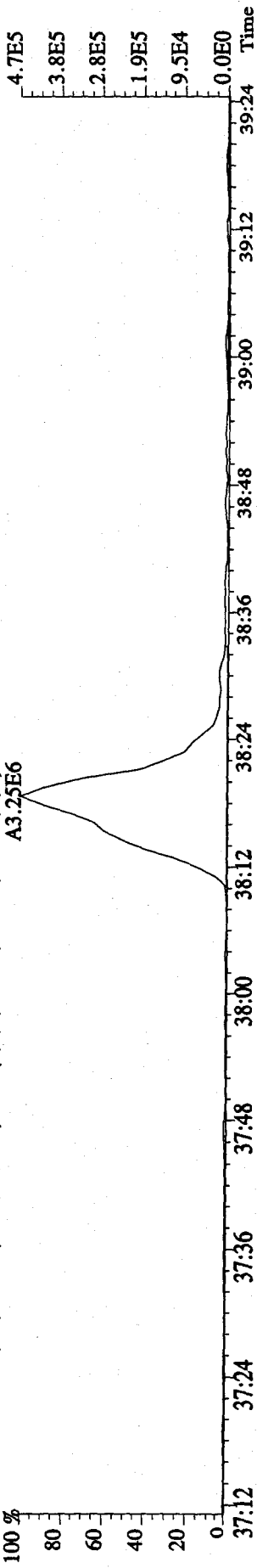
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1620.0,1.00%,F,T)



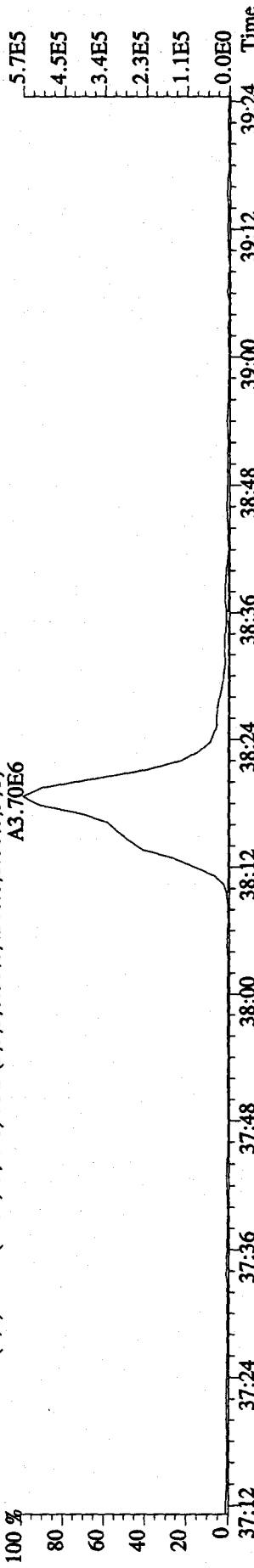
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

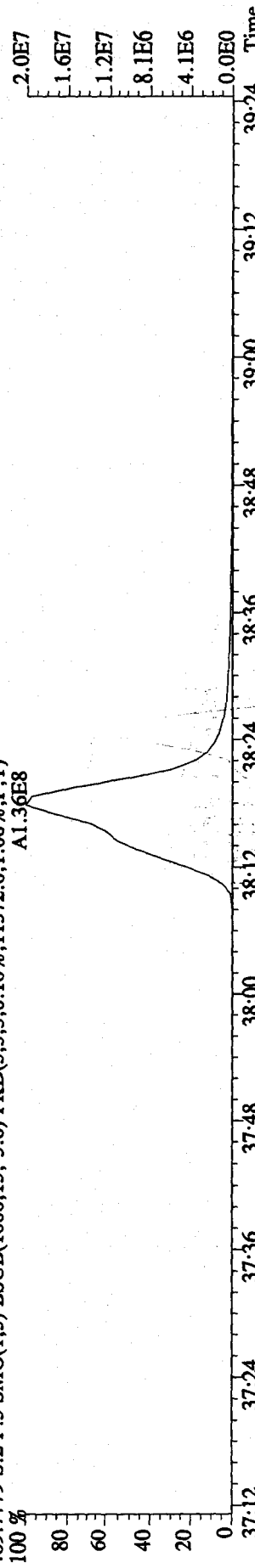
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2760.0,1.00%,F,T)  
A3.25E6



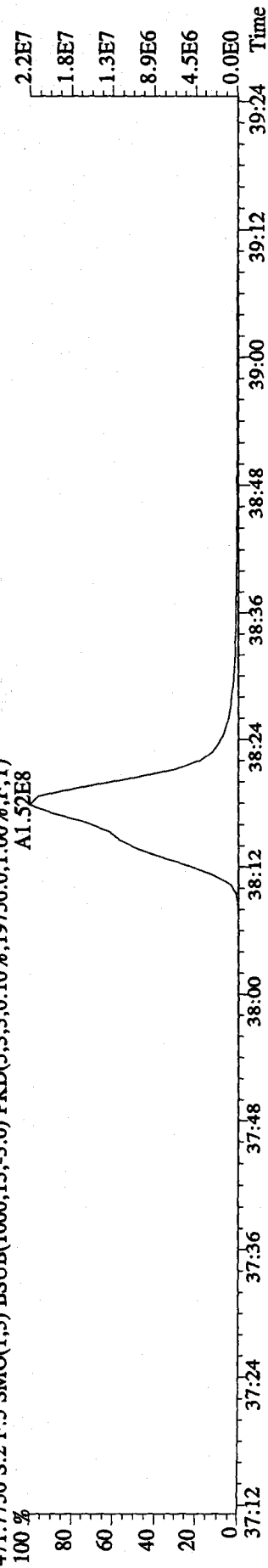
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4240.0,1.00%,F,T)  
A3.70E6



469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11372.0,1.00%,F,T)  
A1.36E8



471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19756.0,1.00%,F,T)  
A1.52E8

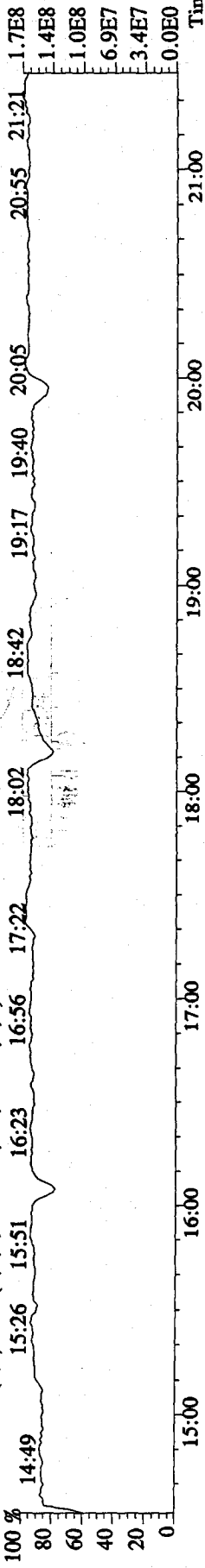


File:31DE09AIDS #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

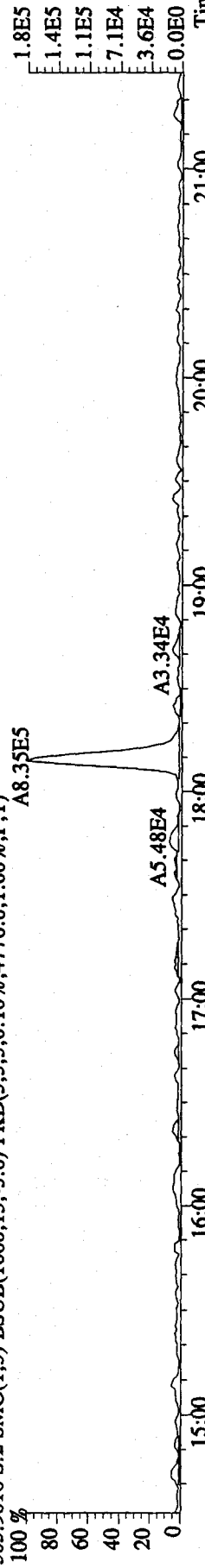
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

100 % 15:26 15:51 16:23 16:56 17:22 18:02 18:42 19:17 19:40 20:05 20:55 21:21



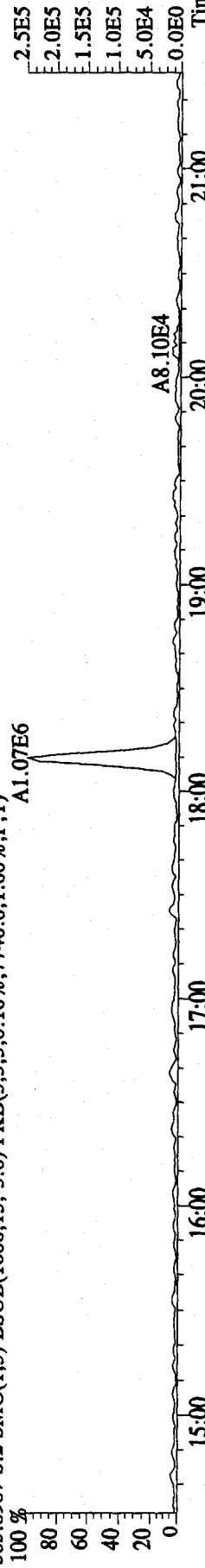
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4776.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00



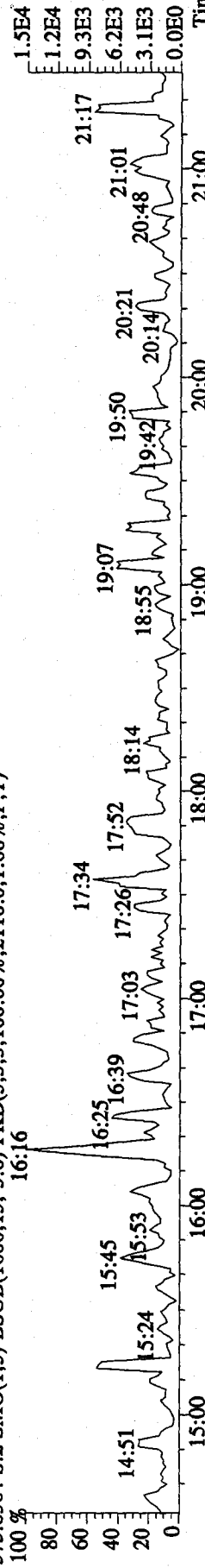
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7740.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00



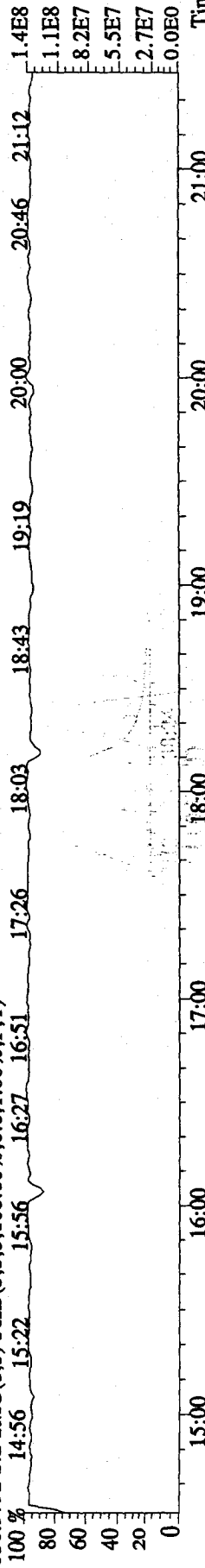
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2116.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00



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

100 % 14:56 15:22 15:56 16:27 16:51 17:00 18:00 19:00 20:00 21:00

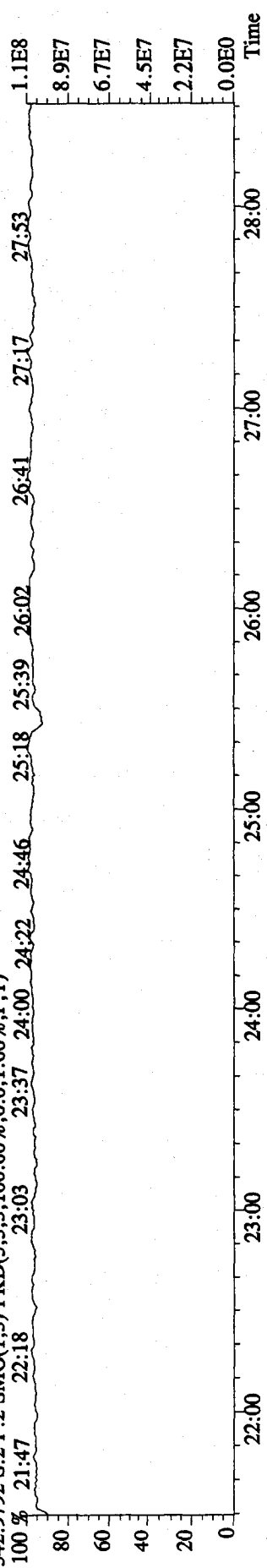


File:31DE09AID5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

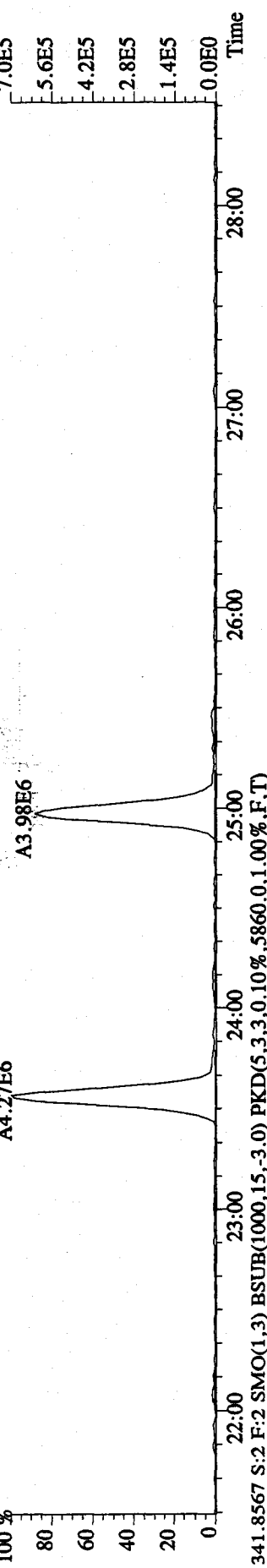
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)

100 % 21:47 22:18 23:03 23:37 24:00 24:22 24:46 25:18 25:39 26:02 26:41 27:17 27:53



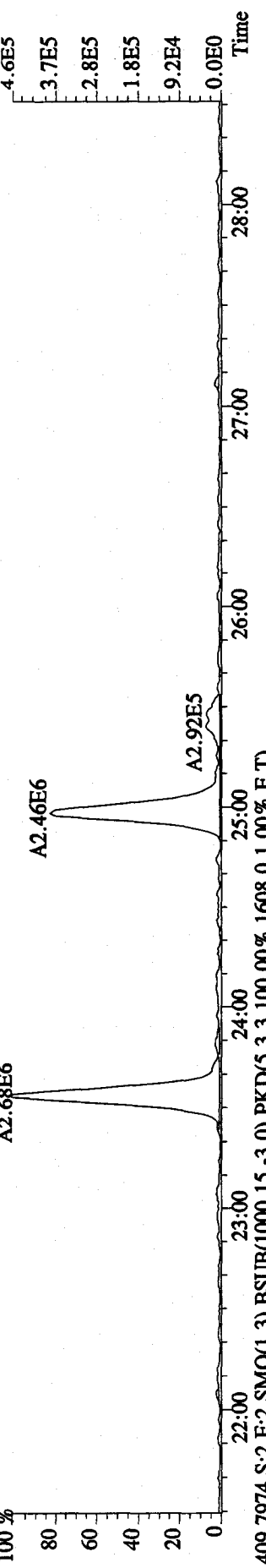
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)

100 % 7.0E5 5.6E5 4.2E5 2.8E5 1.4E5 0.0E0



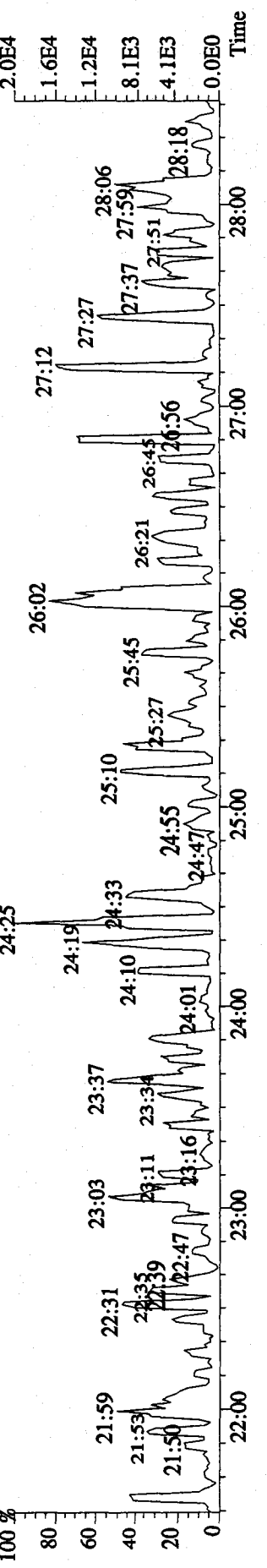
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)

100 % 4.6E5 3.7E5 2.8E5 1.8E5 9.2E4 0.0E0



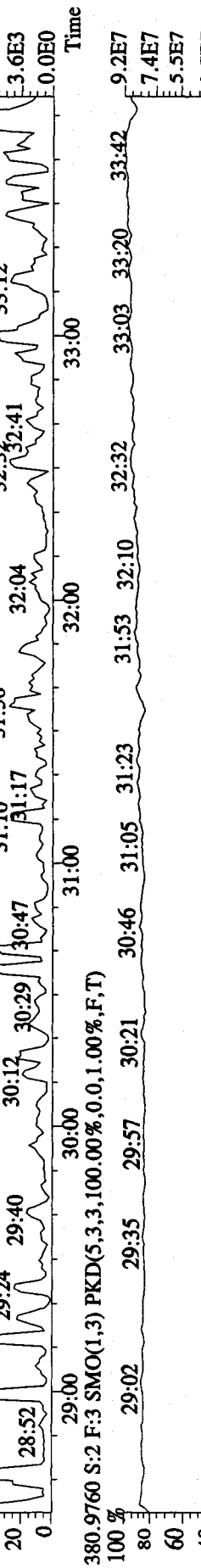
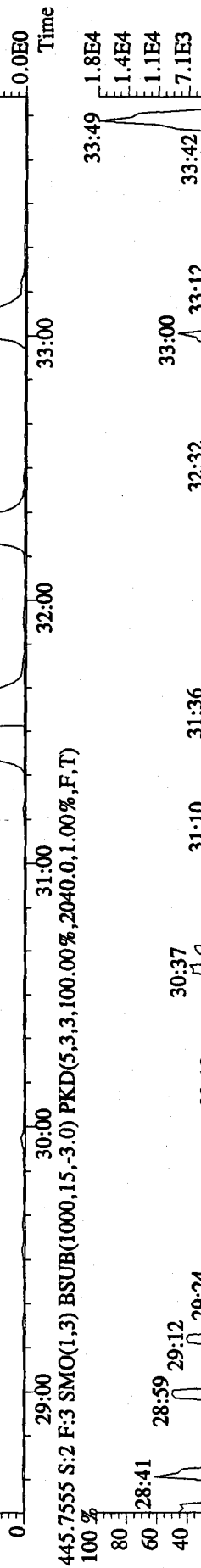
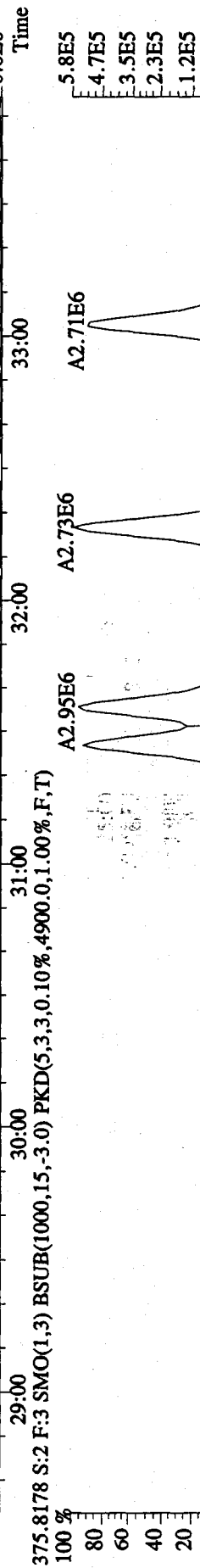
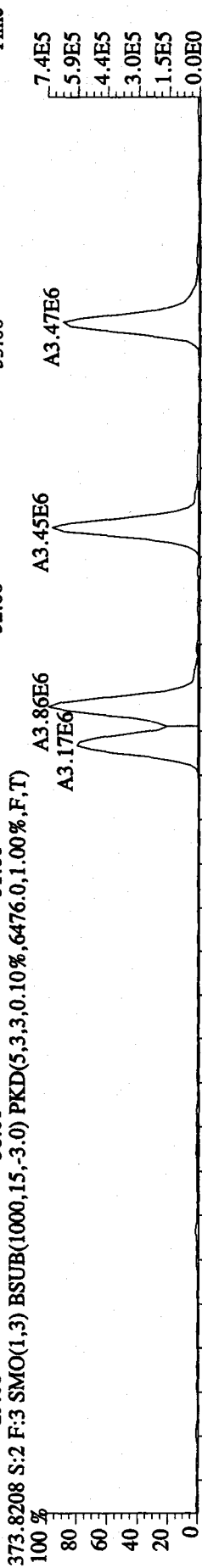
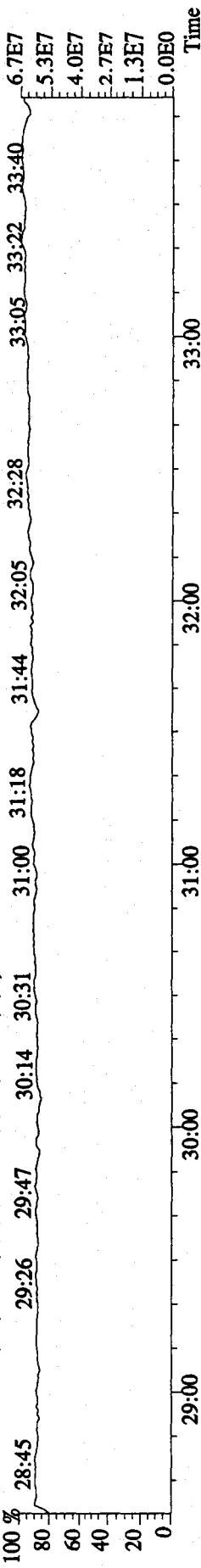
409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1608.0,1.00%,F,T)

100 % 2.0E4 1.6E4 1.2E4 8.1E3 4.1E3 0.0E0





File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 %

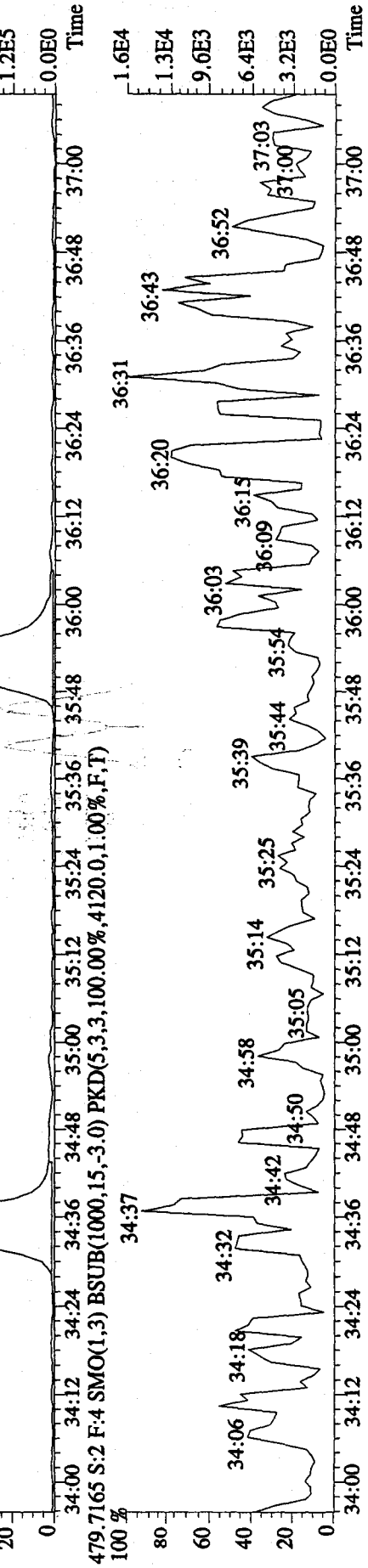
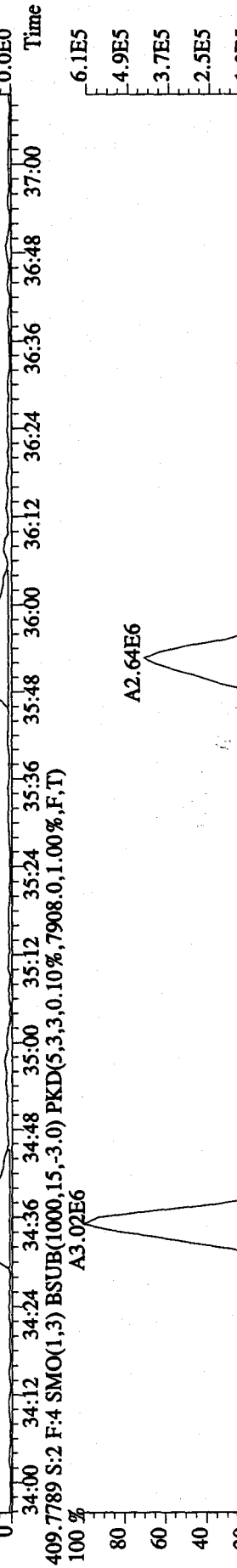
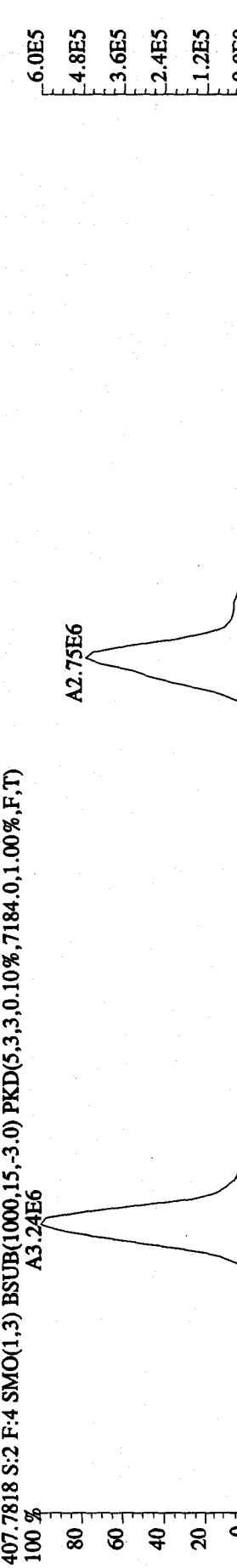
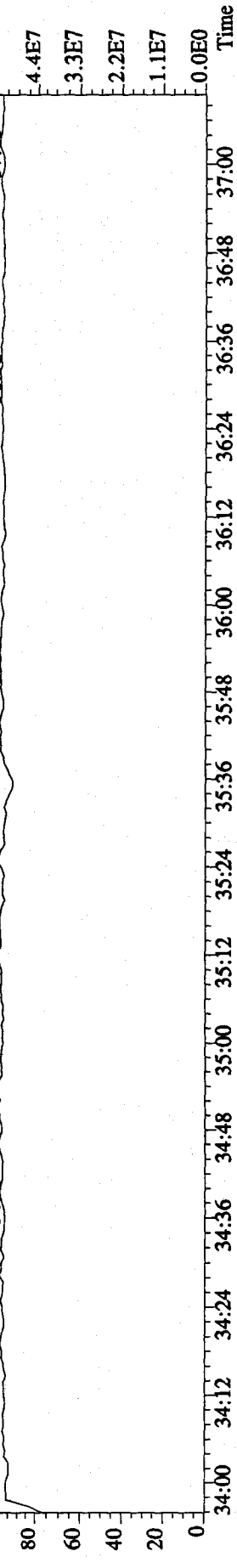


File:31DE09AID5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

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 % 34:28 34:39 34:53 35:12 35:25 35:54 36:08 36:32 36:45 37:03 5.6E7



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 %

5.6E7

90

5.0E7

80

4.5E7

70

3.9E7

60

3.4E7

50

2.8E7

40

2.2E7

30

1.7E7

20

1.1E7

10

5.6E6

0

0.0E0

37:12

Time

37:24

39:24

37:36

39:12

37:48

39:00

38:00

39:00

37:57

39:12

37:22

39:19

37:37

5.2E7

37:47

4.7E7

37:36

4.2E7

37:48

3.7E7

38:00

3.1E7

37:36

2.6E7

37:48

2.1E7

38:00

1.6E7

38:12

1.0E7

38:24

5.2E6

38:36

0.0E0

38:48

Time

39:00

39:12

39:12

39:24

39:24

39:24

39:36

39:36

39:48

39:48

39:00

39:00

39:12

39:12

39:24

39:24

39:36

39:36

39:48

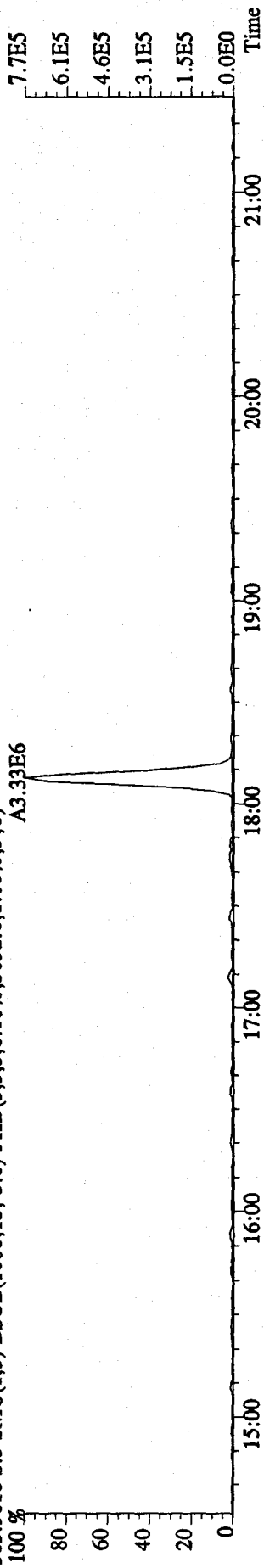
39:48

40:00

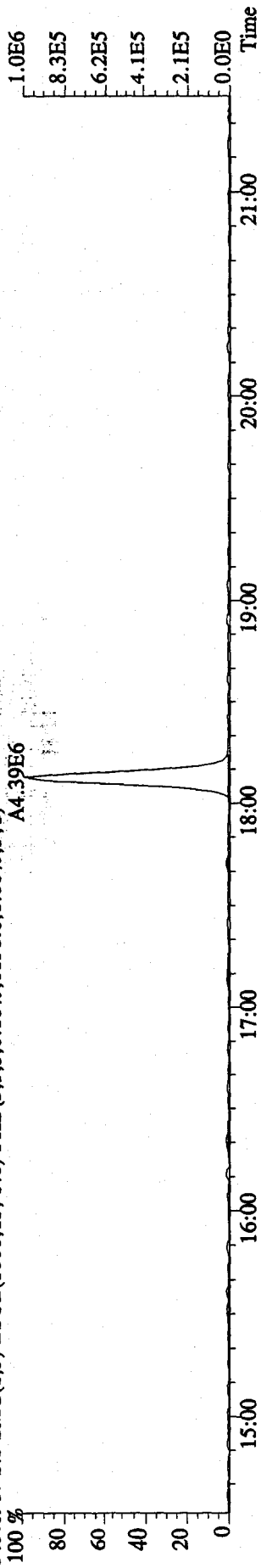
40:00

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

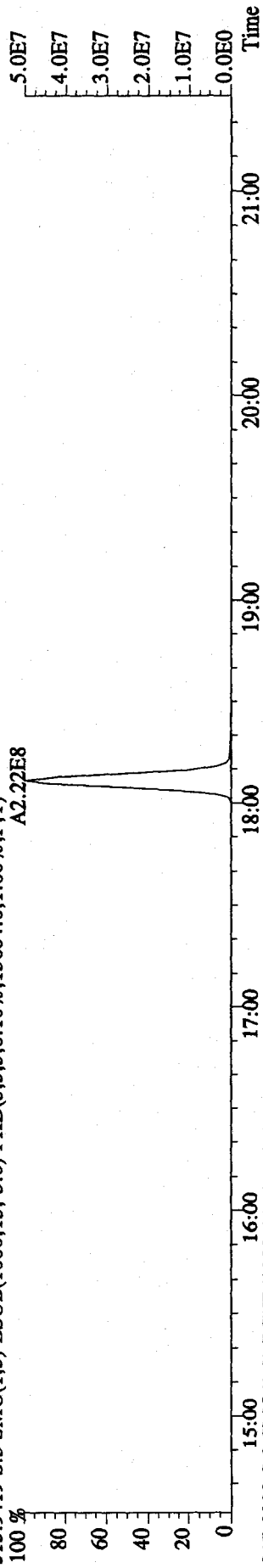
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5052.0,1.00%,F,T)  
100 %



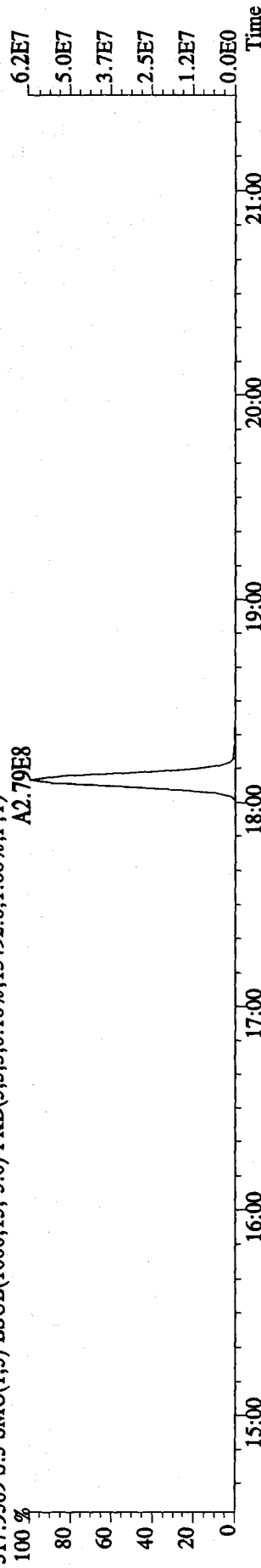
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6856.0,1.00%,F,T)  
100 %



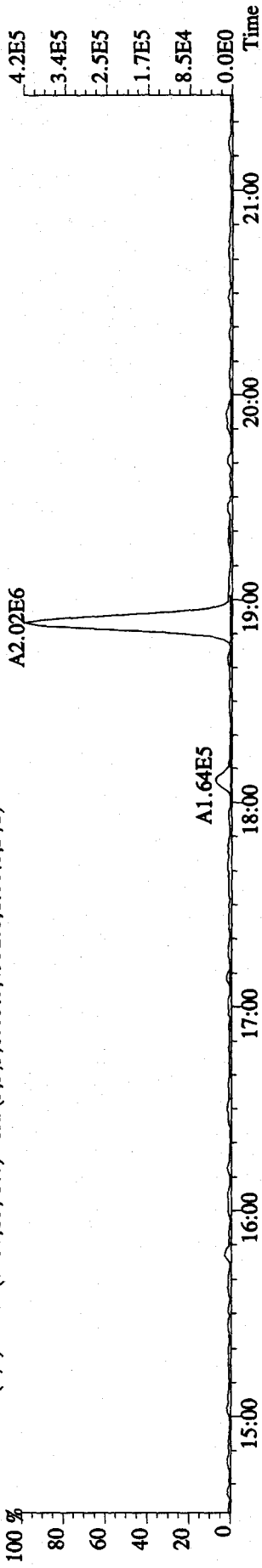
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15604.0,1.00%,F,T)  
100 %



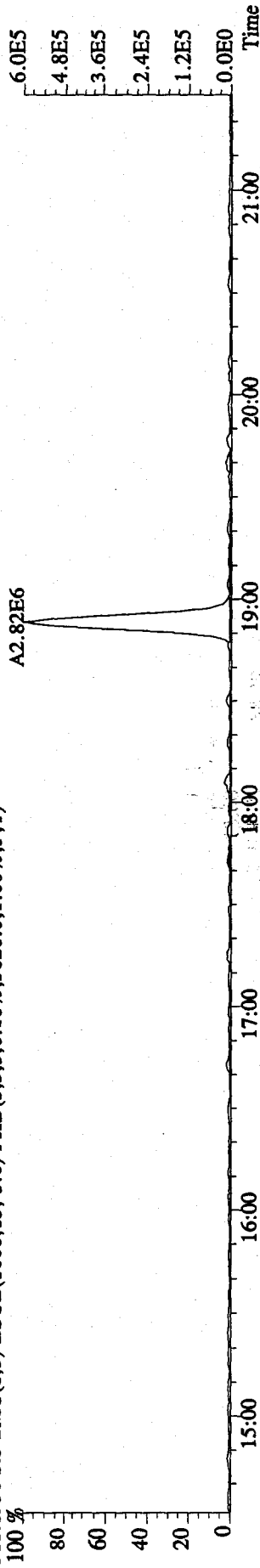
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13492.0,1.00%,F,T)  
100 %



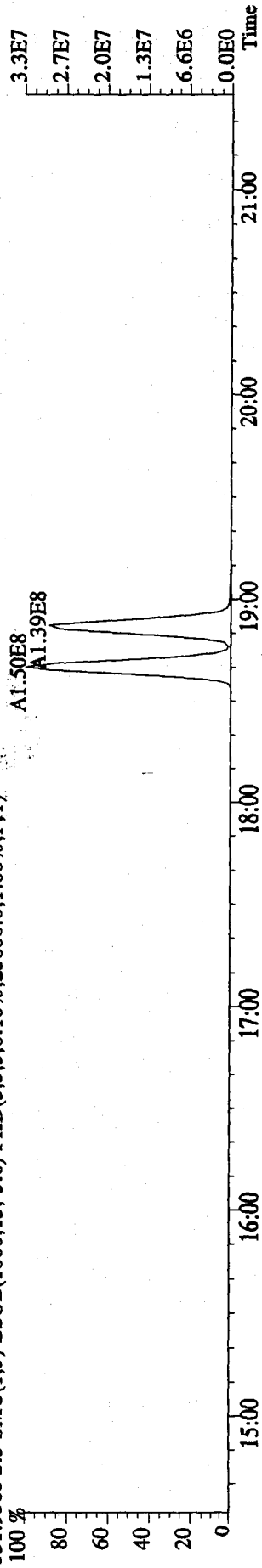
File:31DE09AIDS #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)



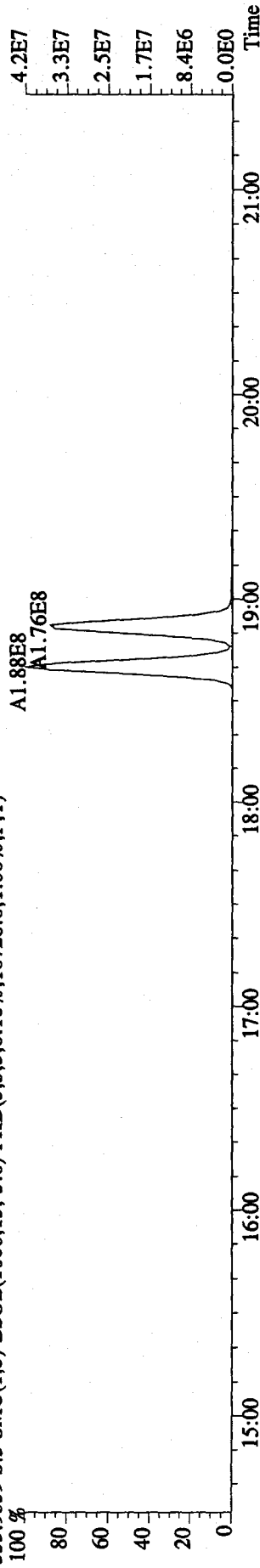
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5020.0,1.00%,F,T)



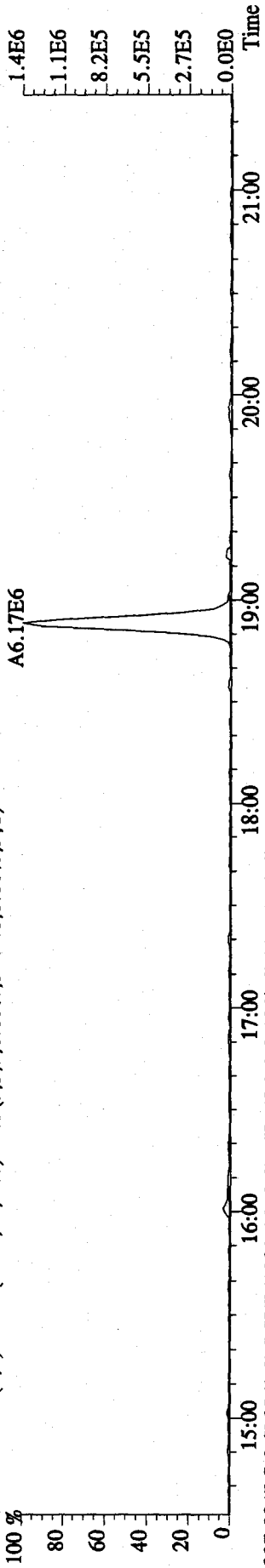
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23800.0,1.00%,F,T)



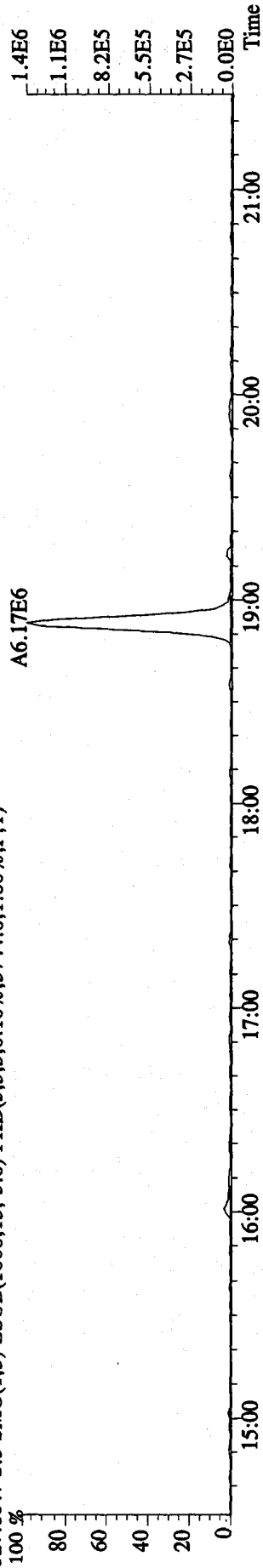
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10728.0,1.00%,F,T)



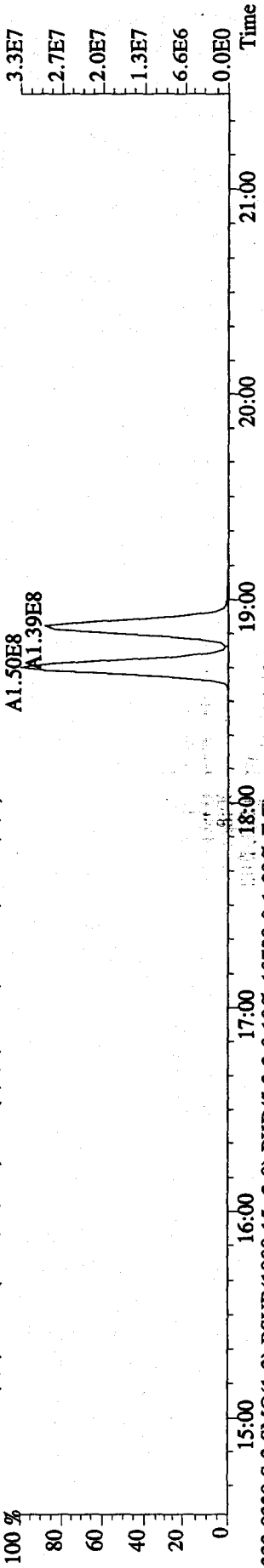
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 327.8847 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



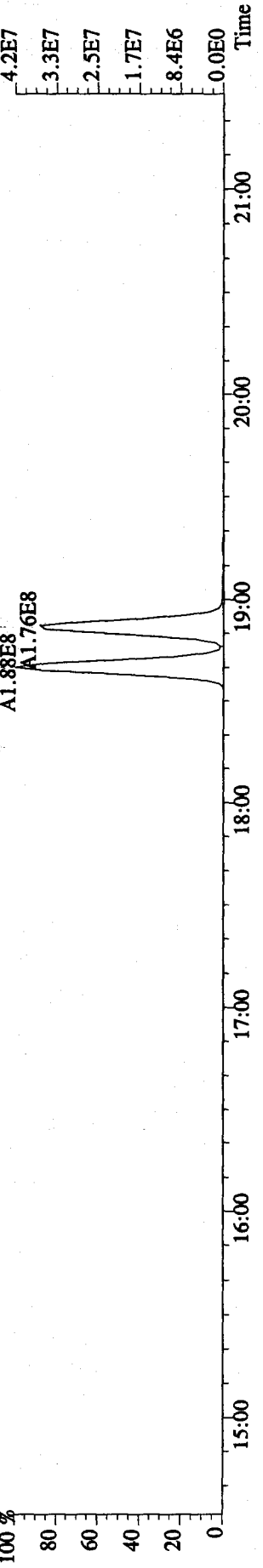
327.8847 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



331.9368 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23800.0,1.00%,F,T)



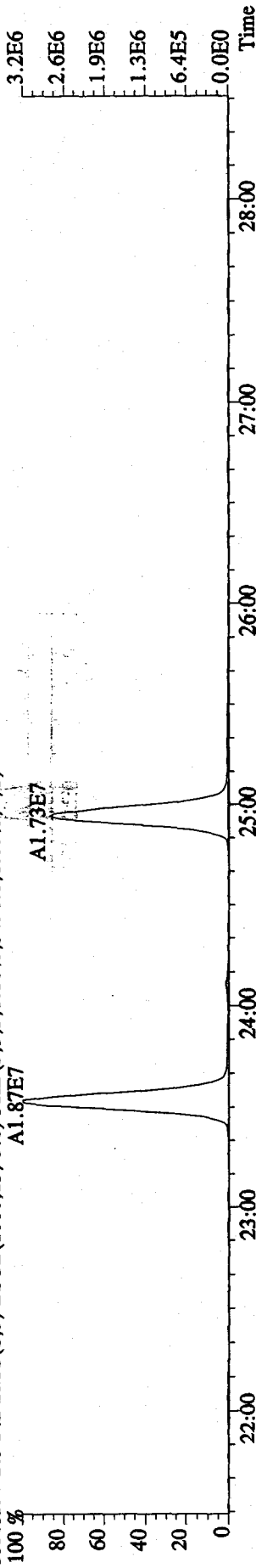
333.9339 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10728.0,1.00%,F,T)



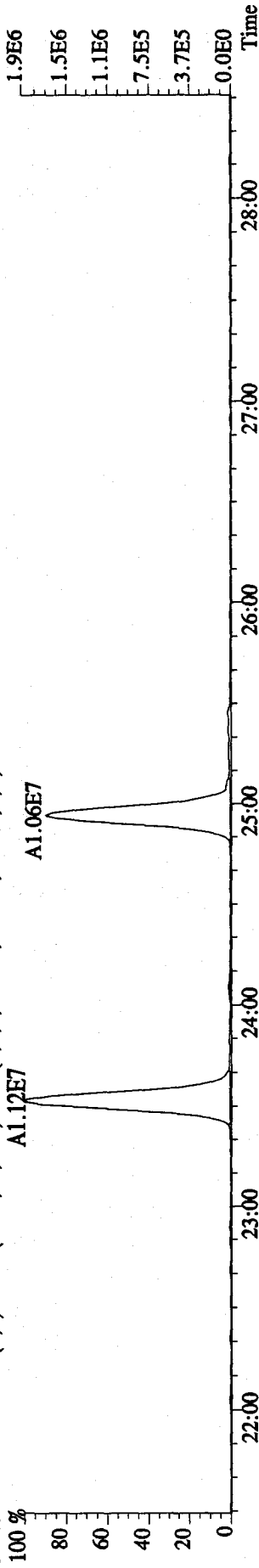
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

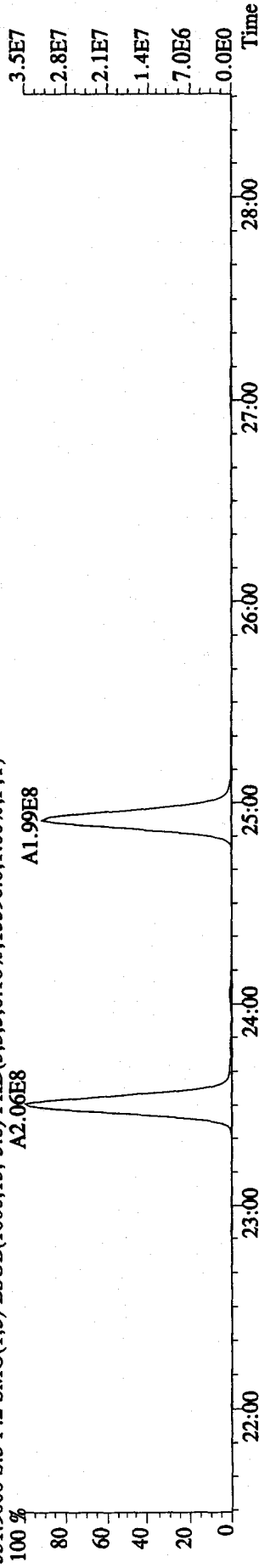
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5496.0,1.00%,F,T)  
100 % A1.87E7



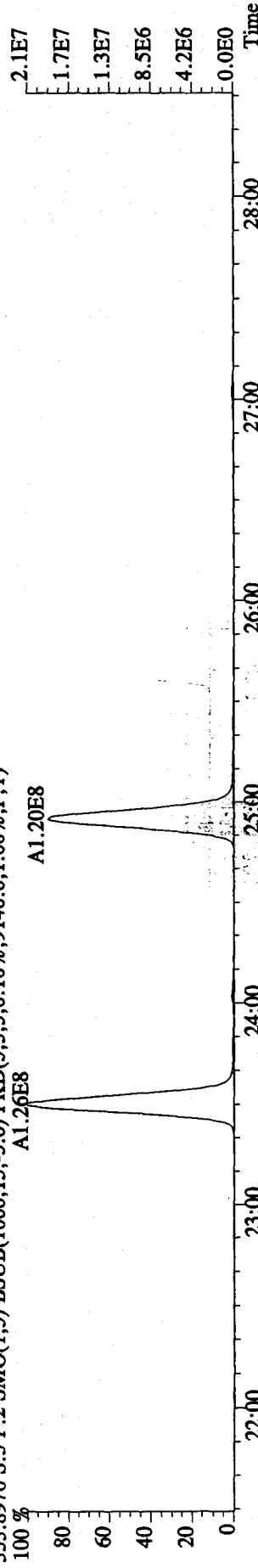
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6964.0,1.00%,F,T)  
100 % A1.12E7



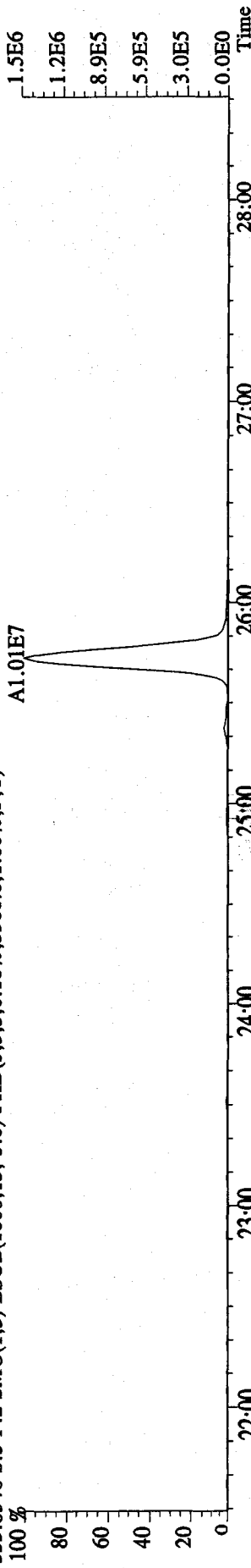
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13396.0,1.00%,F,T)  
100 % A2.06E8



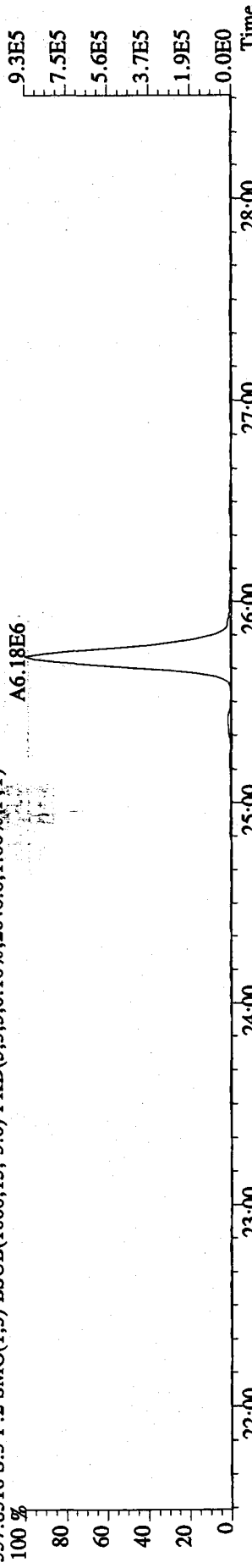
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9140.0,1.00%,F,T)  
100 % A1.26E8



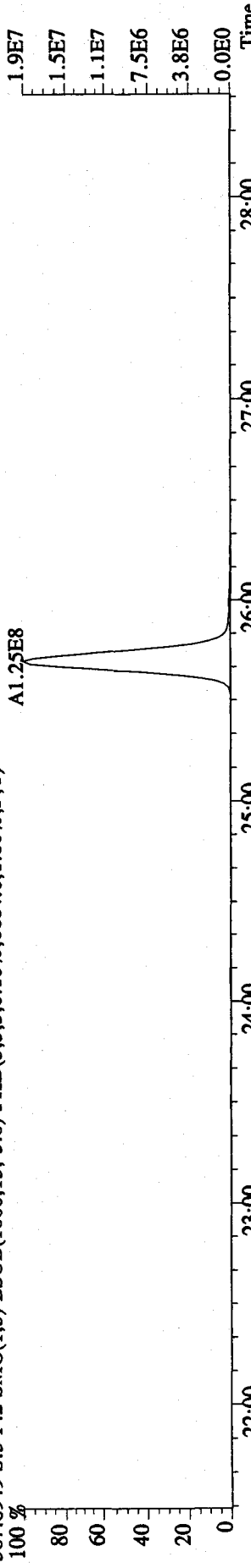
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)



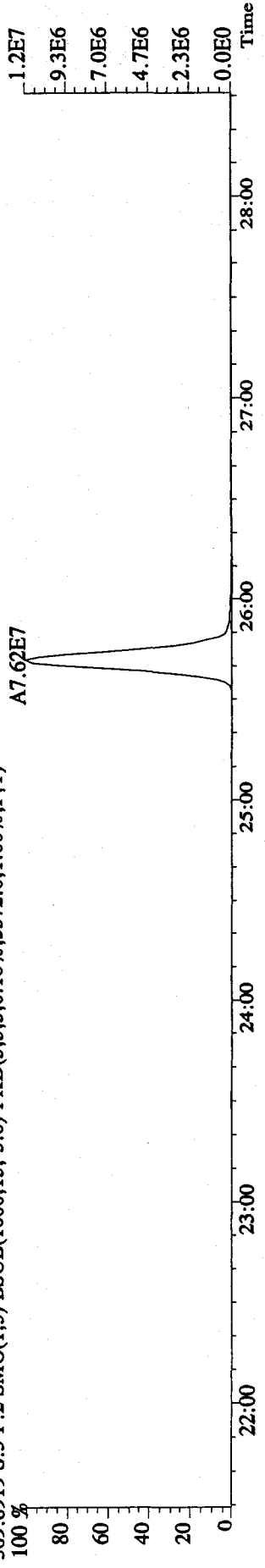
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2648.0,1.00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6684.0,1.00%,F,T)



369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5372.0,1.00%,F,T)

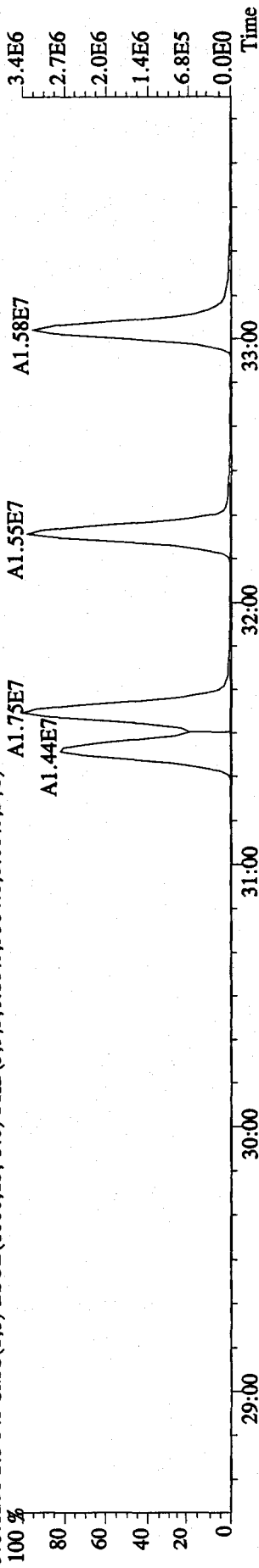




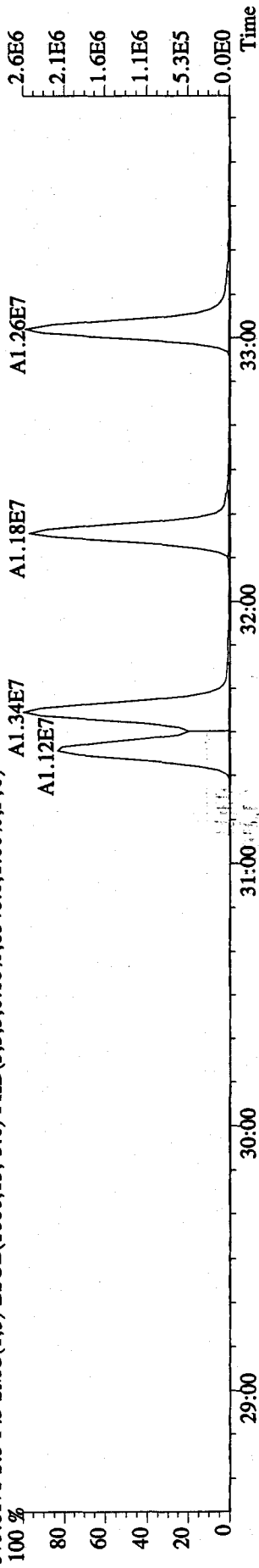
File:31DE09AID5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

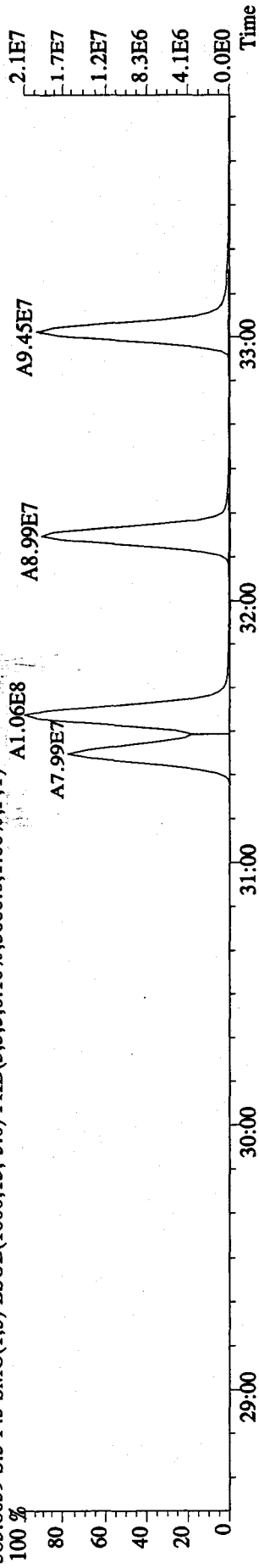
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9584.0,1.00%,F,T)



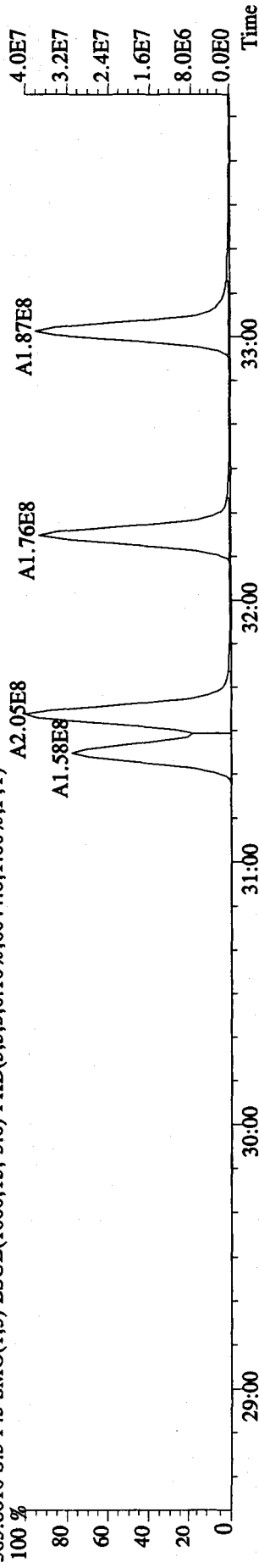
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8548.0,1.00%,F,T)



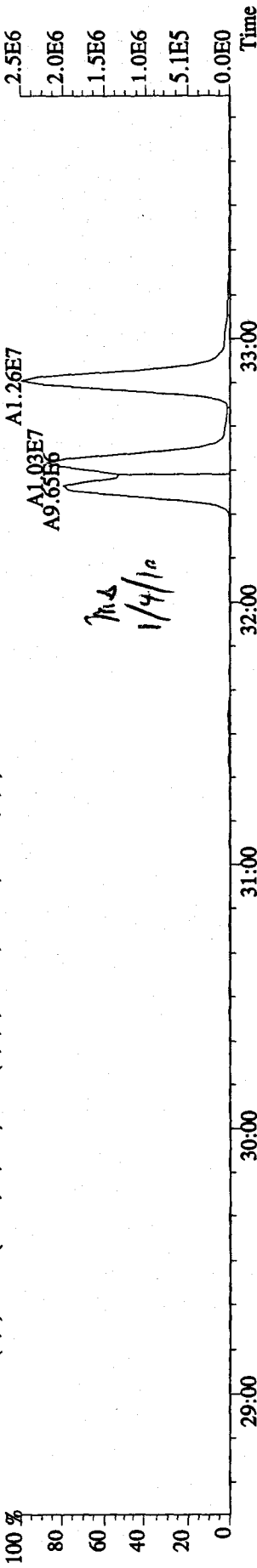
383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5088.0,1.00%,F,T)



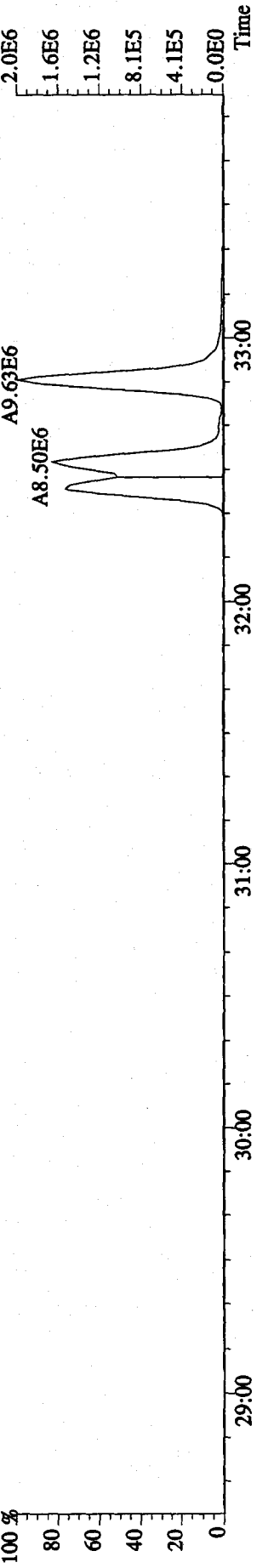
385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6044.0,1.00%,F,T)



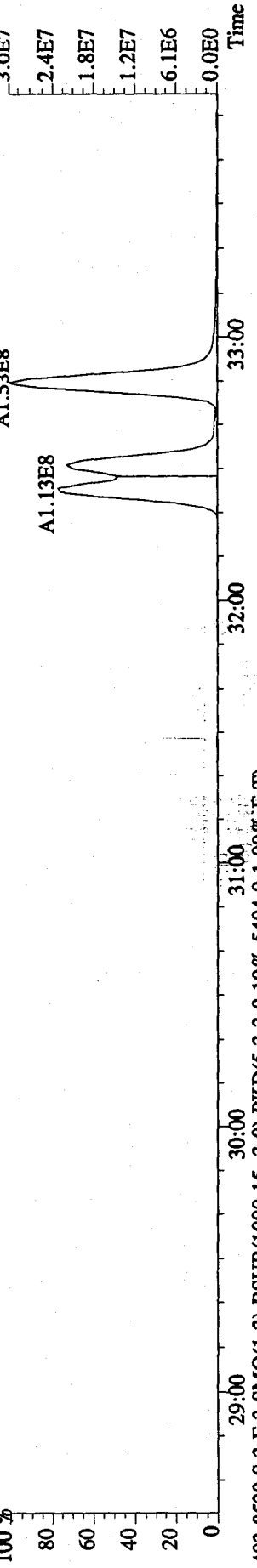
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 389.8157 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



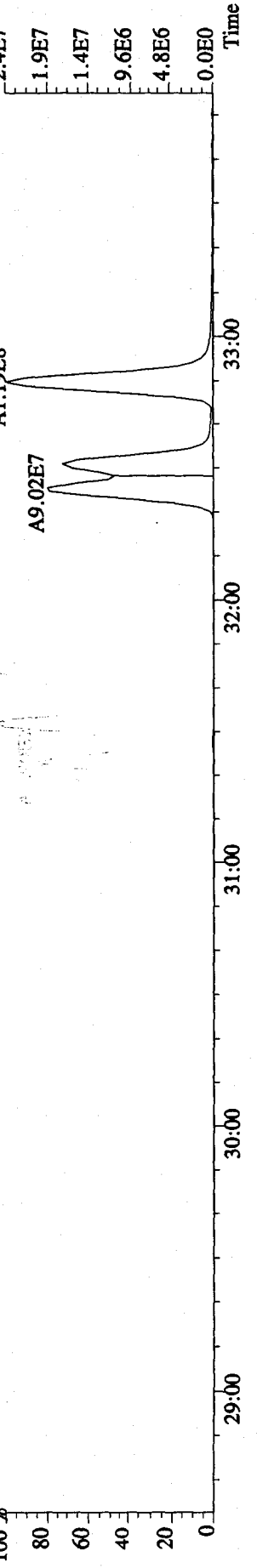
391.8127 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5100.0,1.00%,F,T)



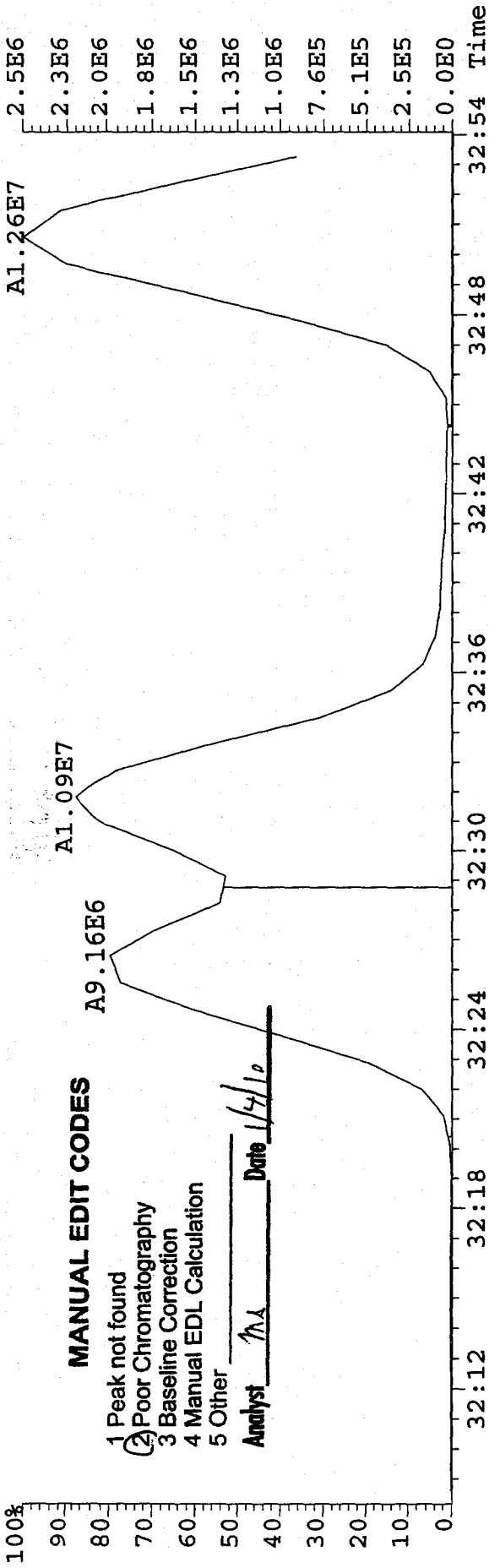
401.8559 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5404.0,1.00%,F,T)



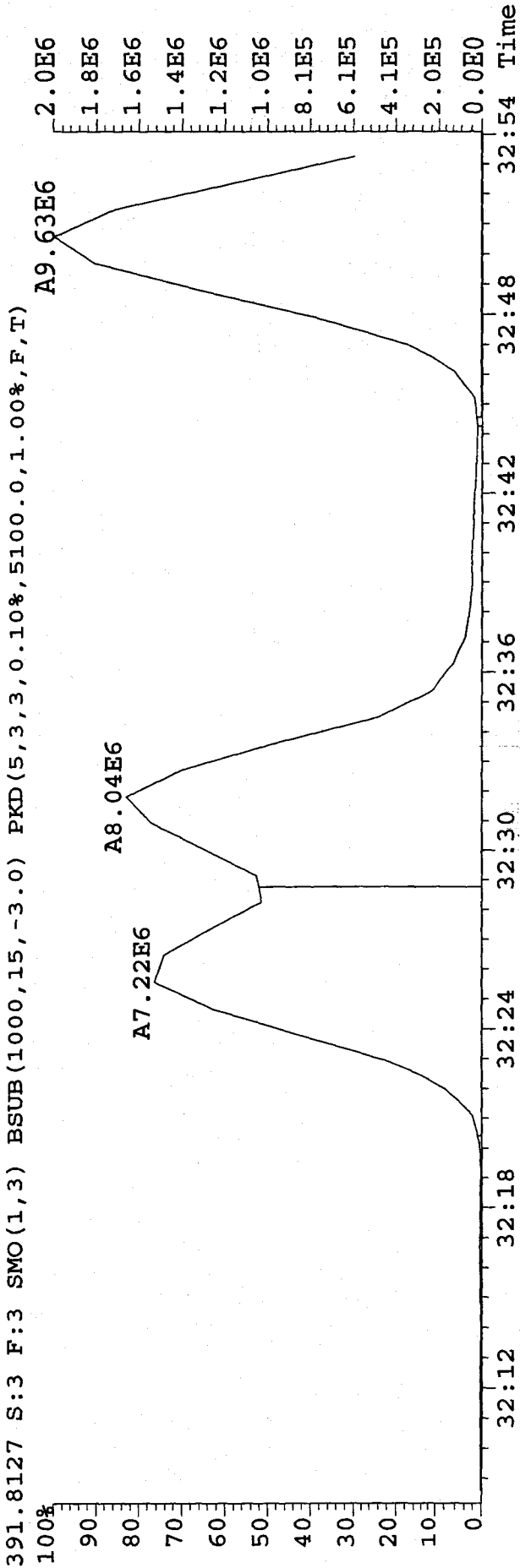
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



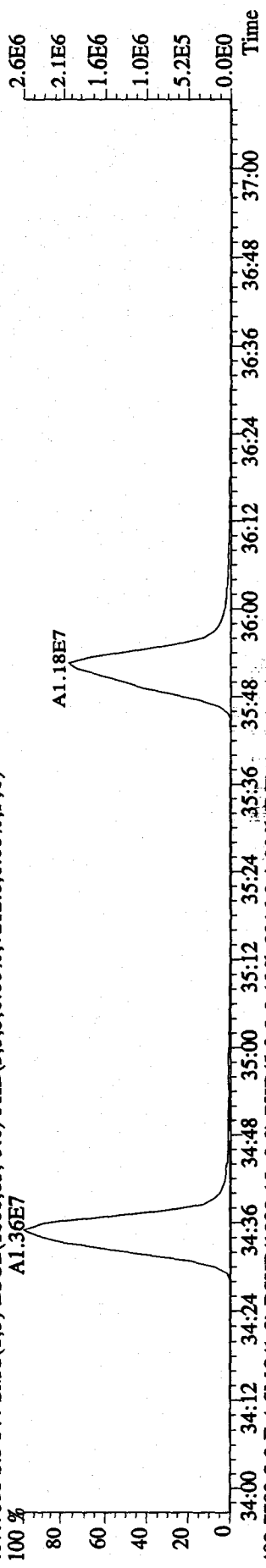
**MANUAL EDIT CODES**

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

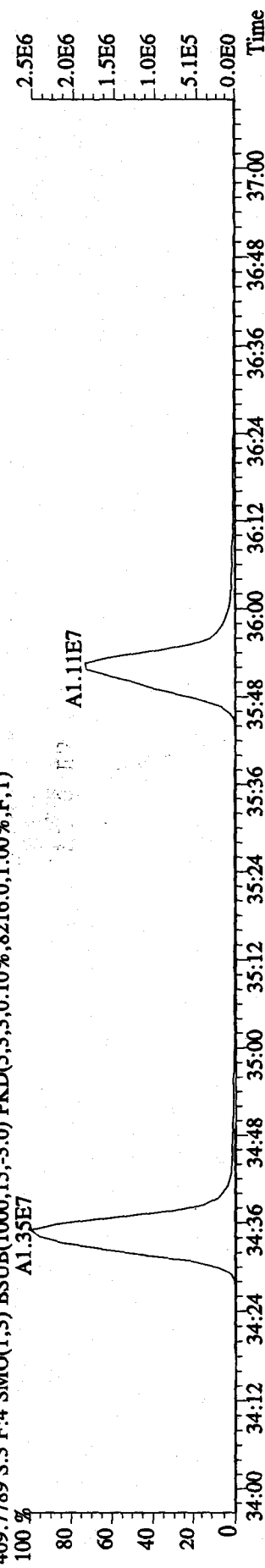
Analyst NA Date 1/7/10



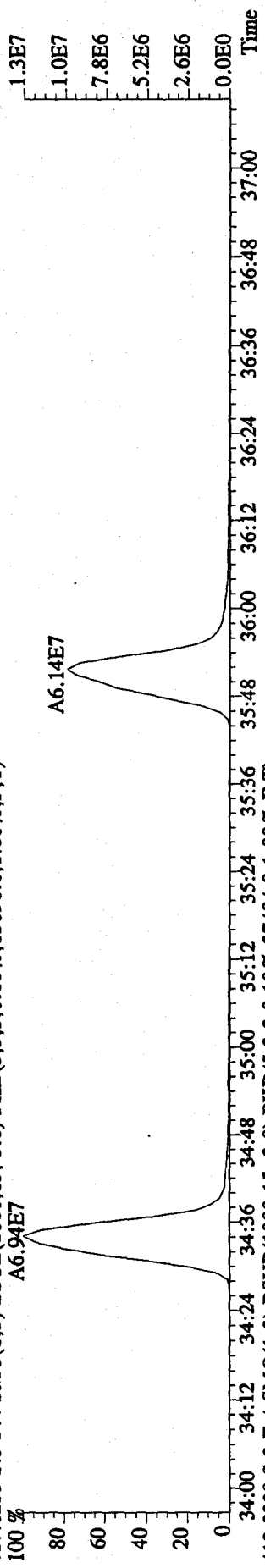
File: 31DE09AID5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text: ST1231C : CS-2 09DXN423 Exp: DIOXIN  
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T)  
 100 % A1.36E7



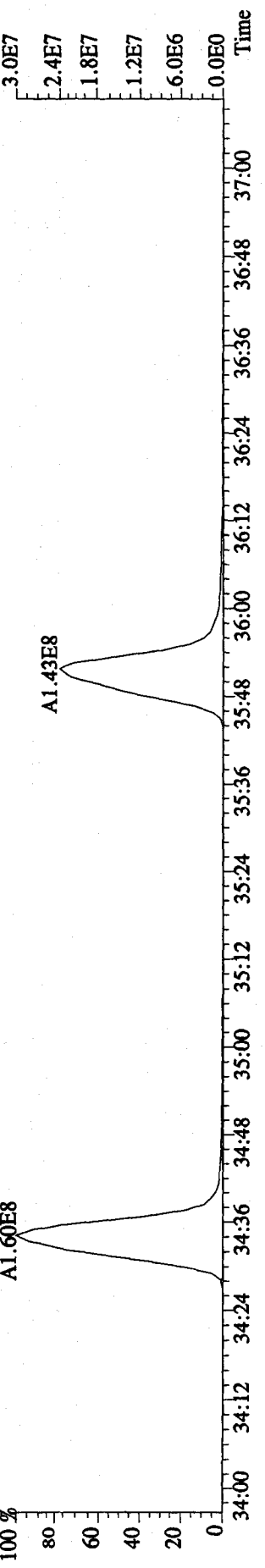
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8216.0,1.00%,F,T)  
 100 % A1.35E7



417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15096.0,1.00%,F,T)  
 100 % A6.94E7



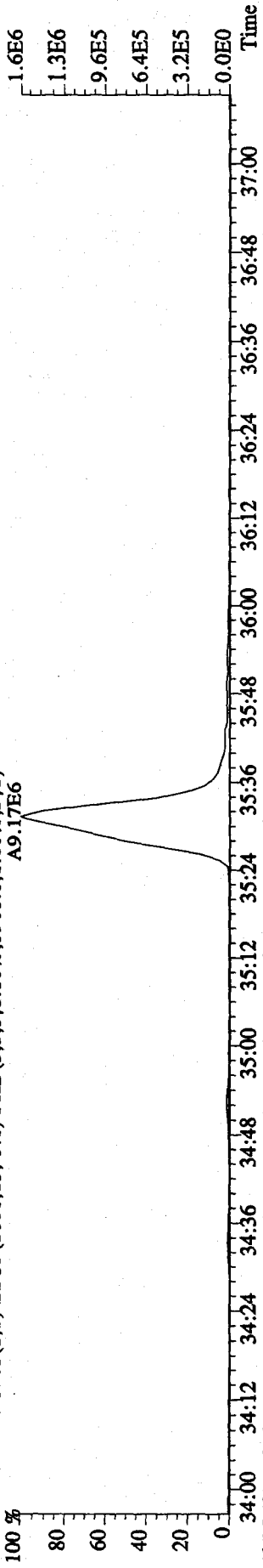
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27484.0,1.00%,F,T)  
 100 % A1.60E8



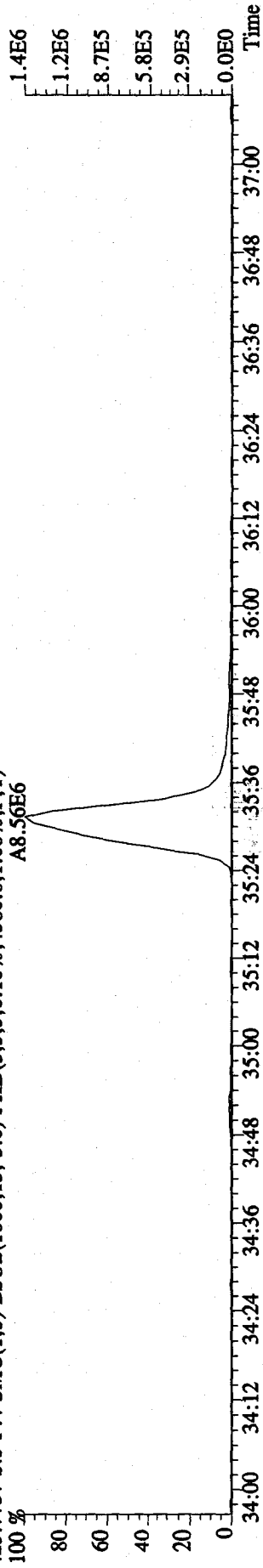
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

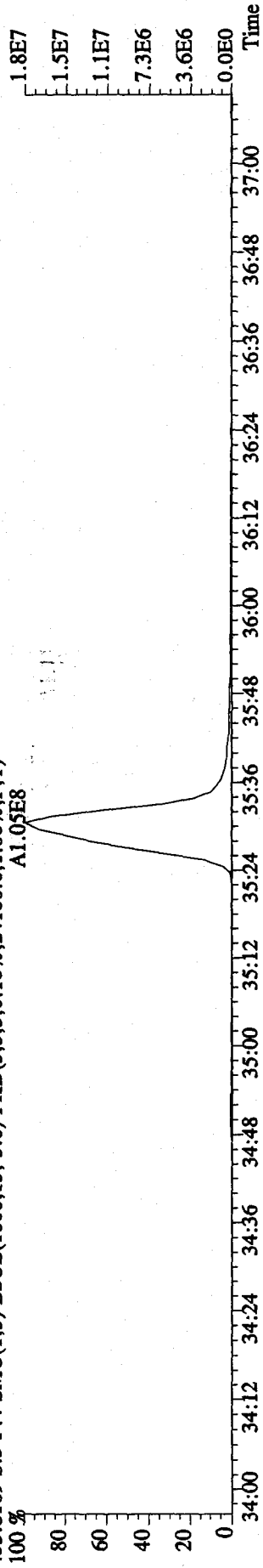
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)  
A9.17E6



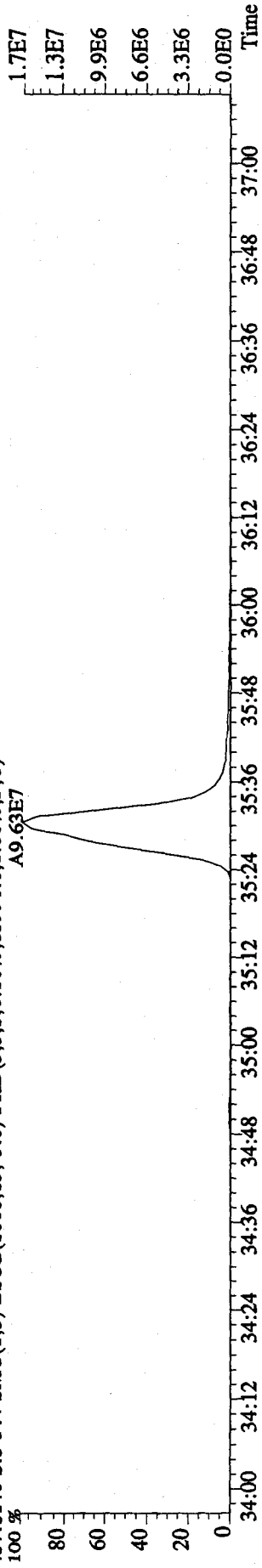
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)  
A8.50E6



435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,24180.0,1.00%,F,T)  
A1.05E8



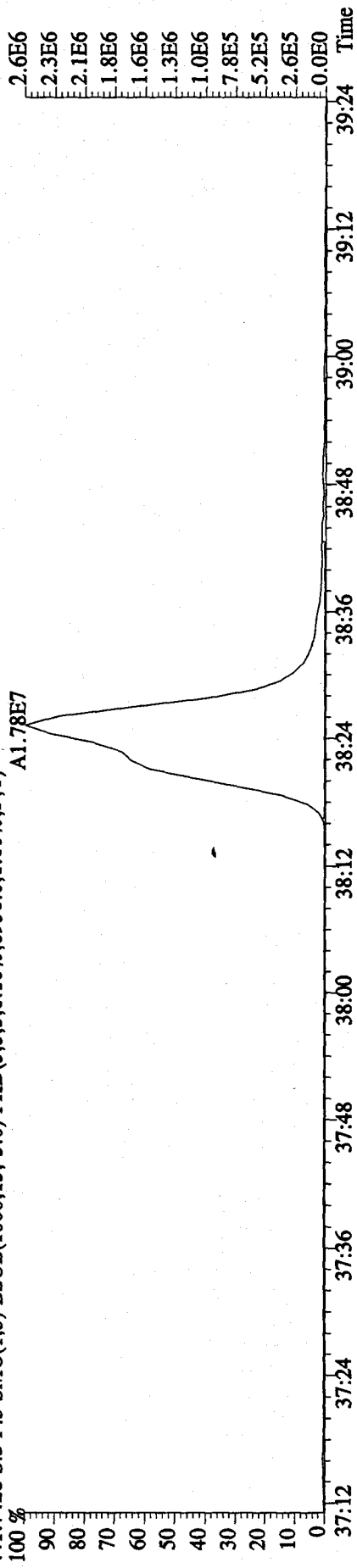
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,15996.0,1.00%,F,T)  
A9.63E7



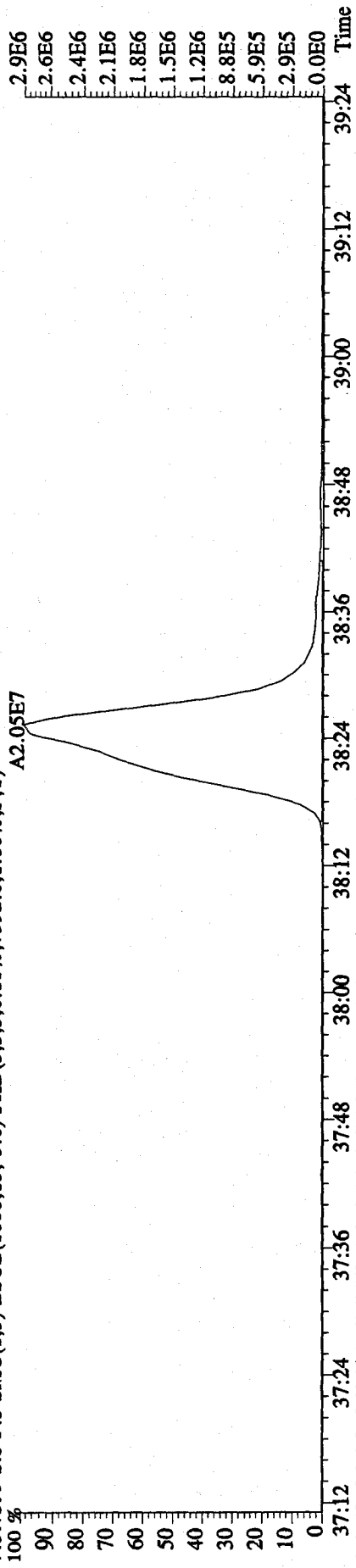
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

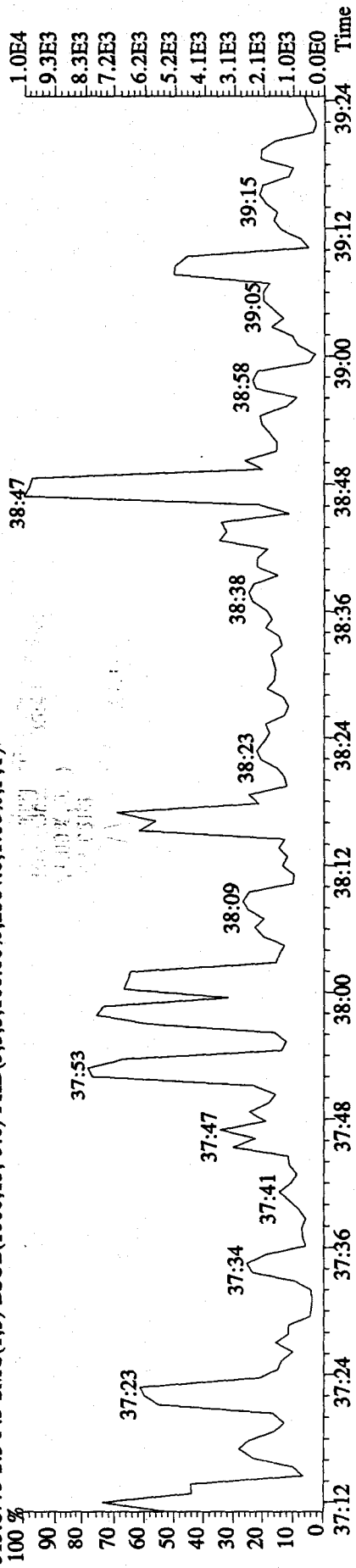
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8956.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7392.0,1.00%,F,T)



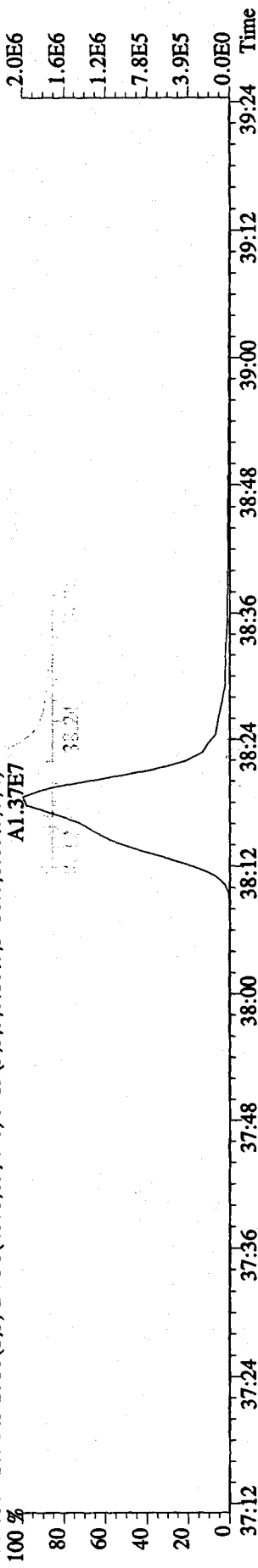
513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2364.0,1.00%,F,T)



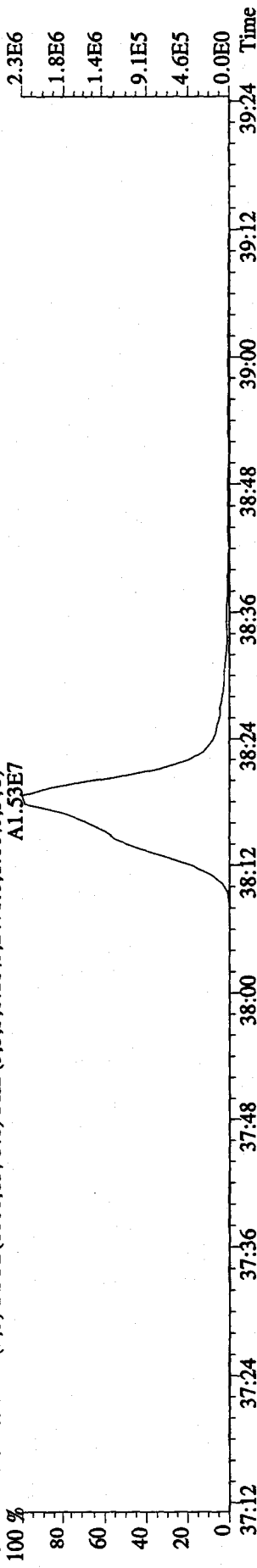
File:31DE09AID5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

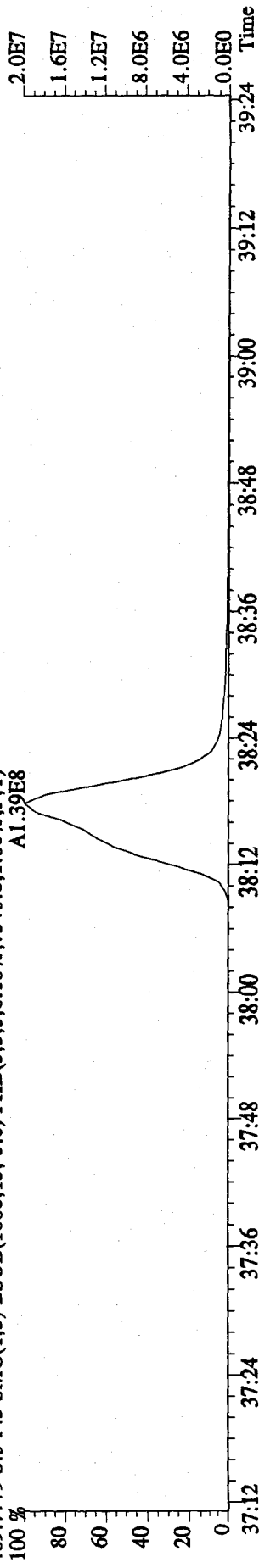
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T) A1.37E7



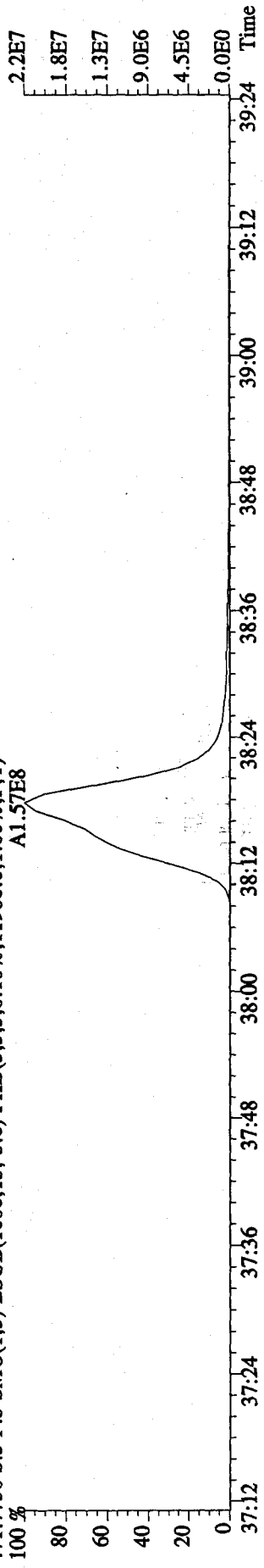
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2476.0,1.00%,F,T) A1.53E7



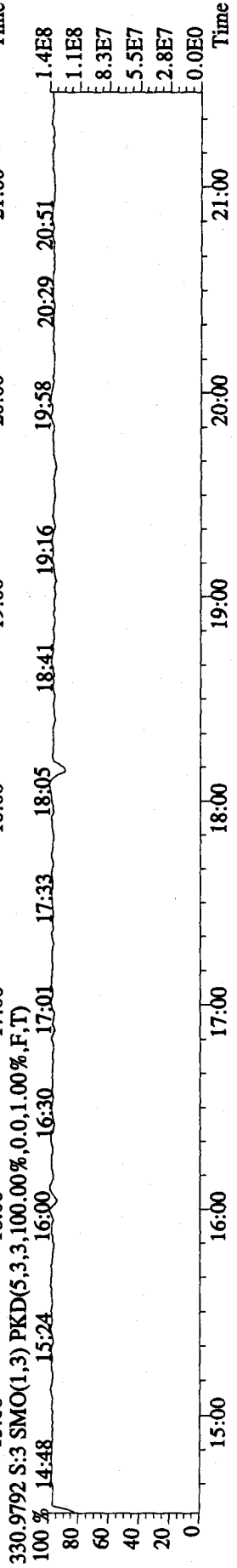
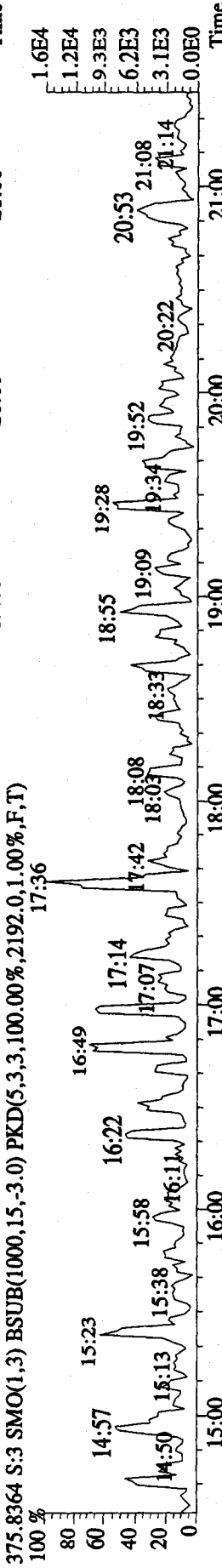
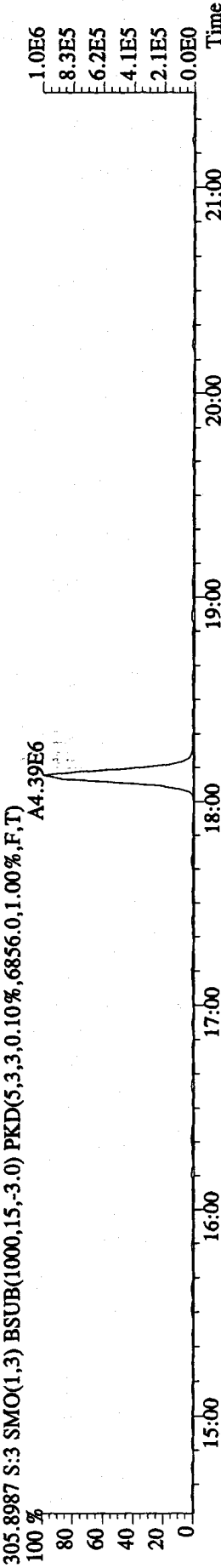
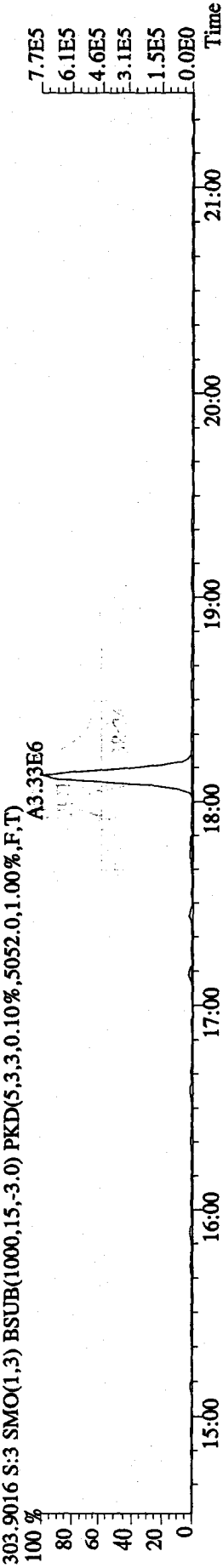
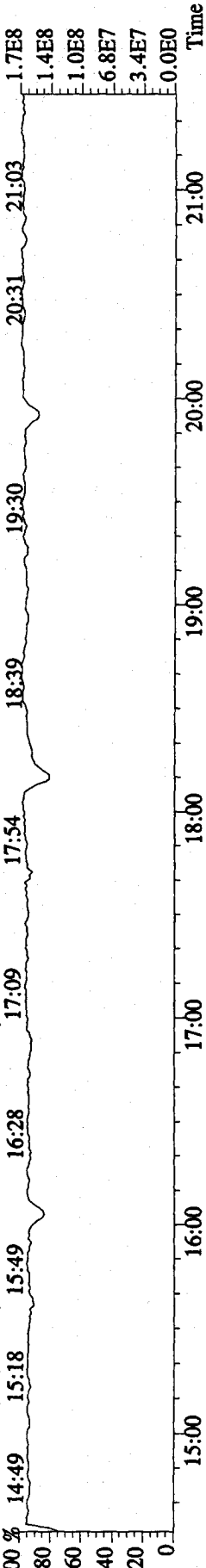
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T) A1.39E8



471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11980.0,1.00%,F,T) A1.57E8



File:31DE09AID5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)  
 100 % 14:49 15:18 15:49 16:28 17:09 17:54 18:39 19:30 20:31 21:03



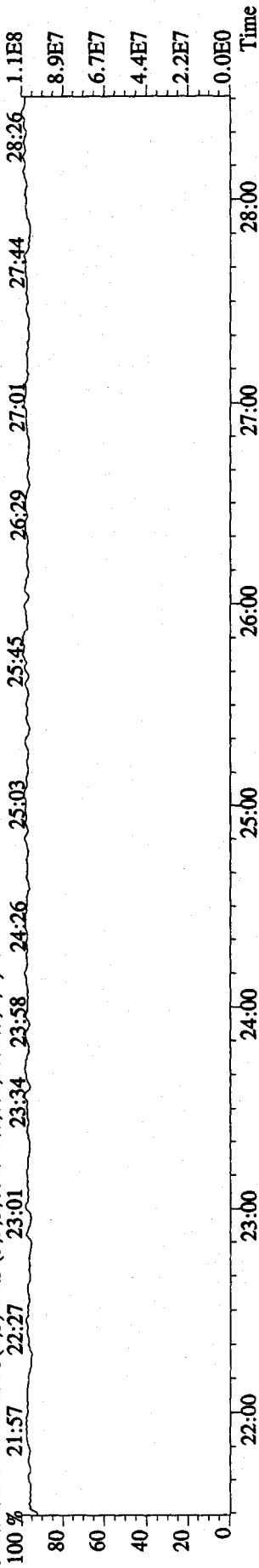


File: 31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text: ST1231C : CS-2 09DXN423 Exp: DIOXIN

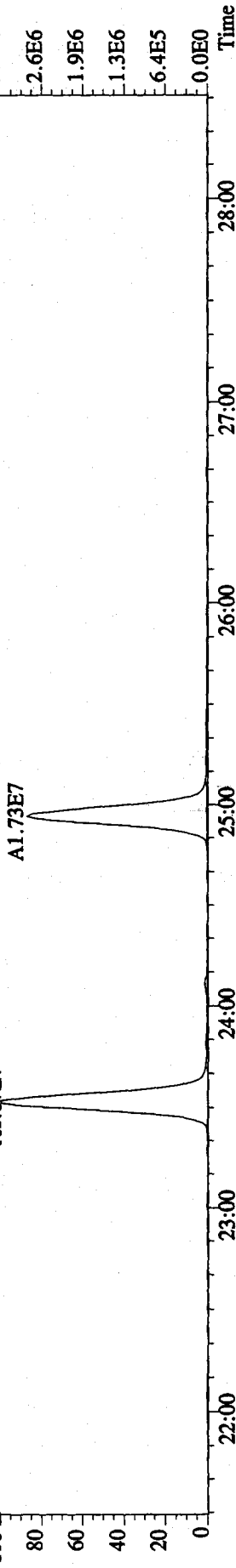
342.9792 S:3 F:2.SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



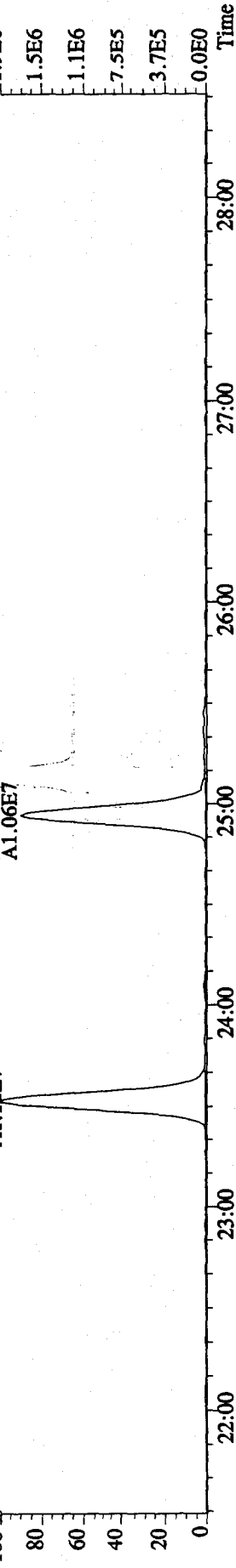
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5496.0,1.00%,F,T)

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



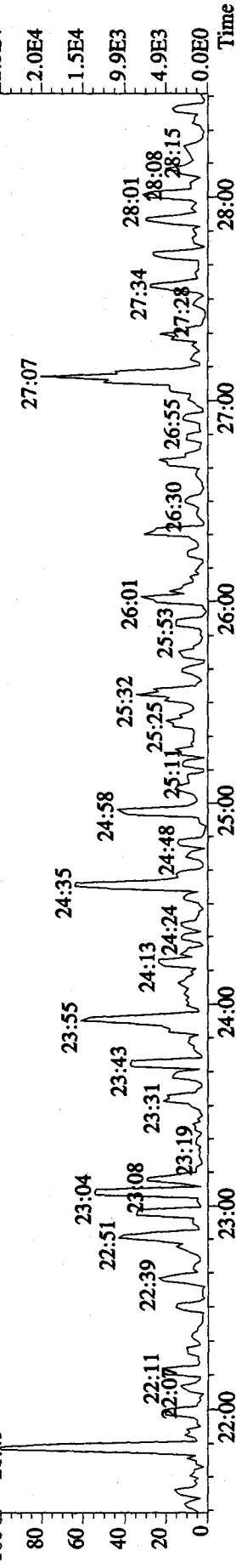
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6964.0,1.00%,F,T)

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



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)

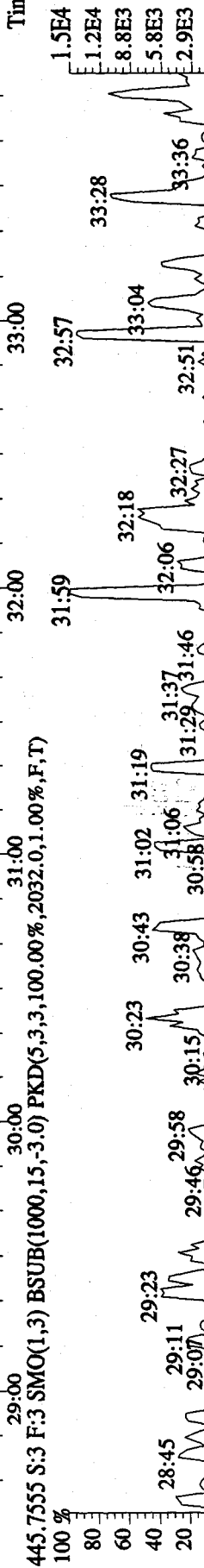
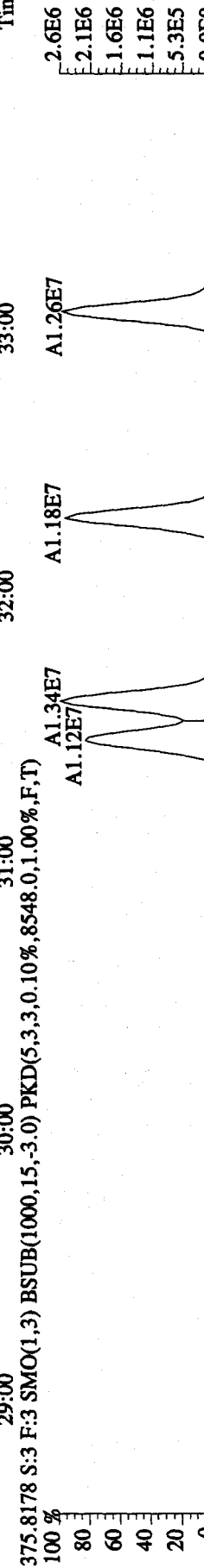
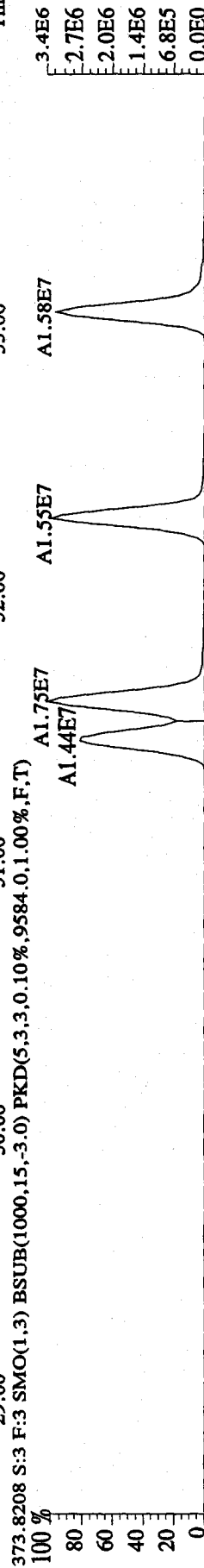
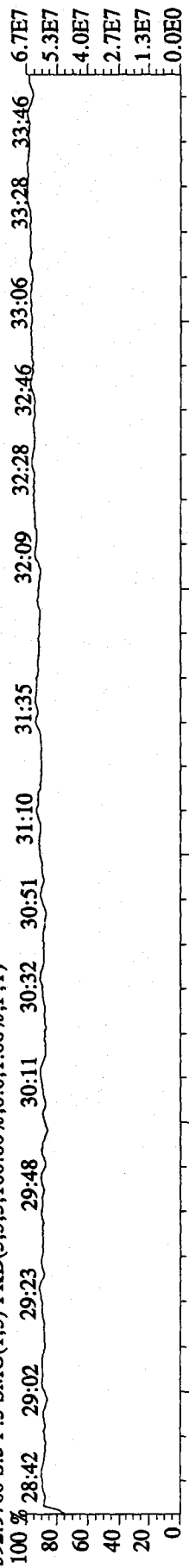
100 % 21:49



File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text: ST1231C :CS-2 09DXN423 Exp: DIOXIN

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



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(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 34:10

34:45

35:04

35:15

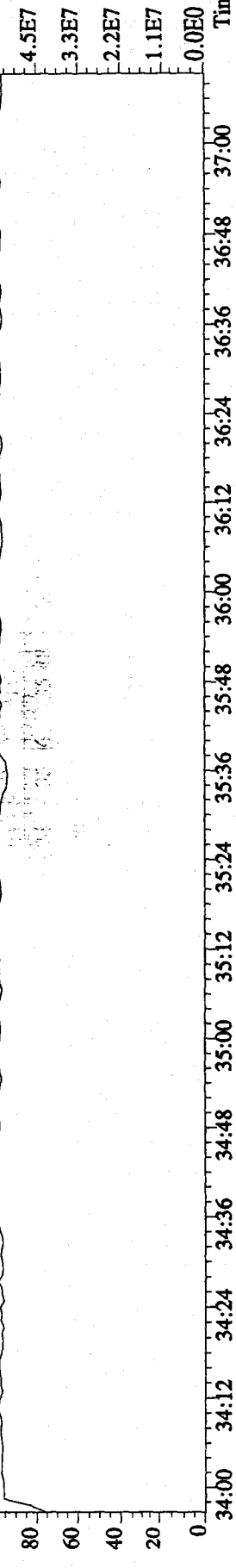
35:25

36:01

36:22

36:43

37:00



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)

100 %

A1.36E7

34:36

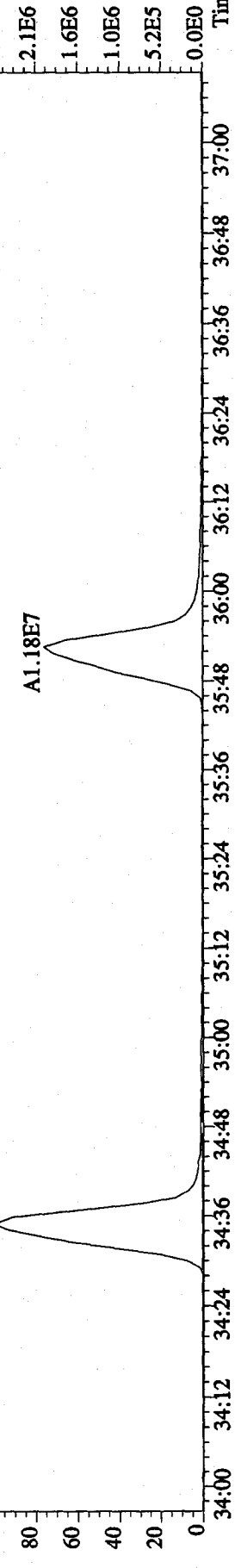
35:00

35:36

36:00

36:48

37:00



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)

100 %

A1.35E7

34:36

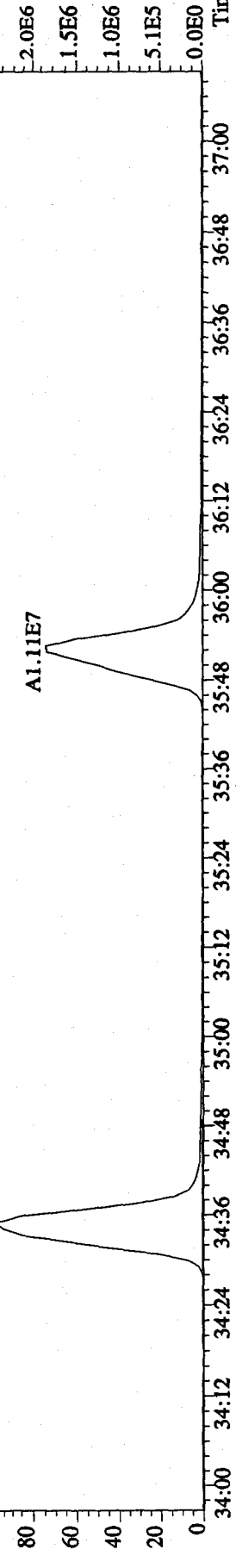
35:00

35:36

36:00

36:48

37:00



479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2800.0,1.00%,F,T)

100 %

34:26

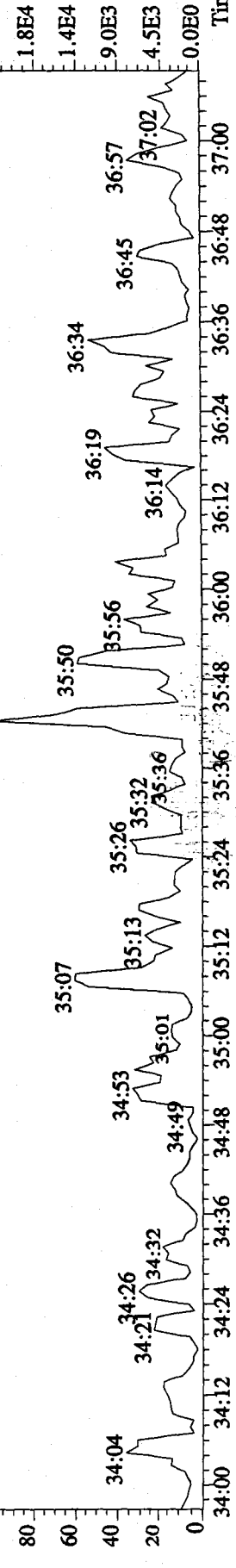
35:00

35:36

36:00

36:48

37:00

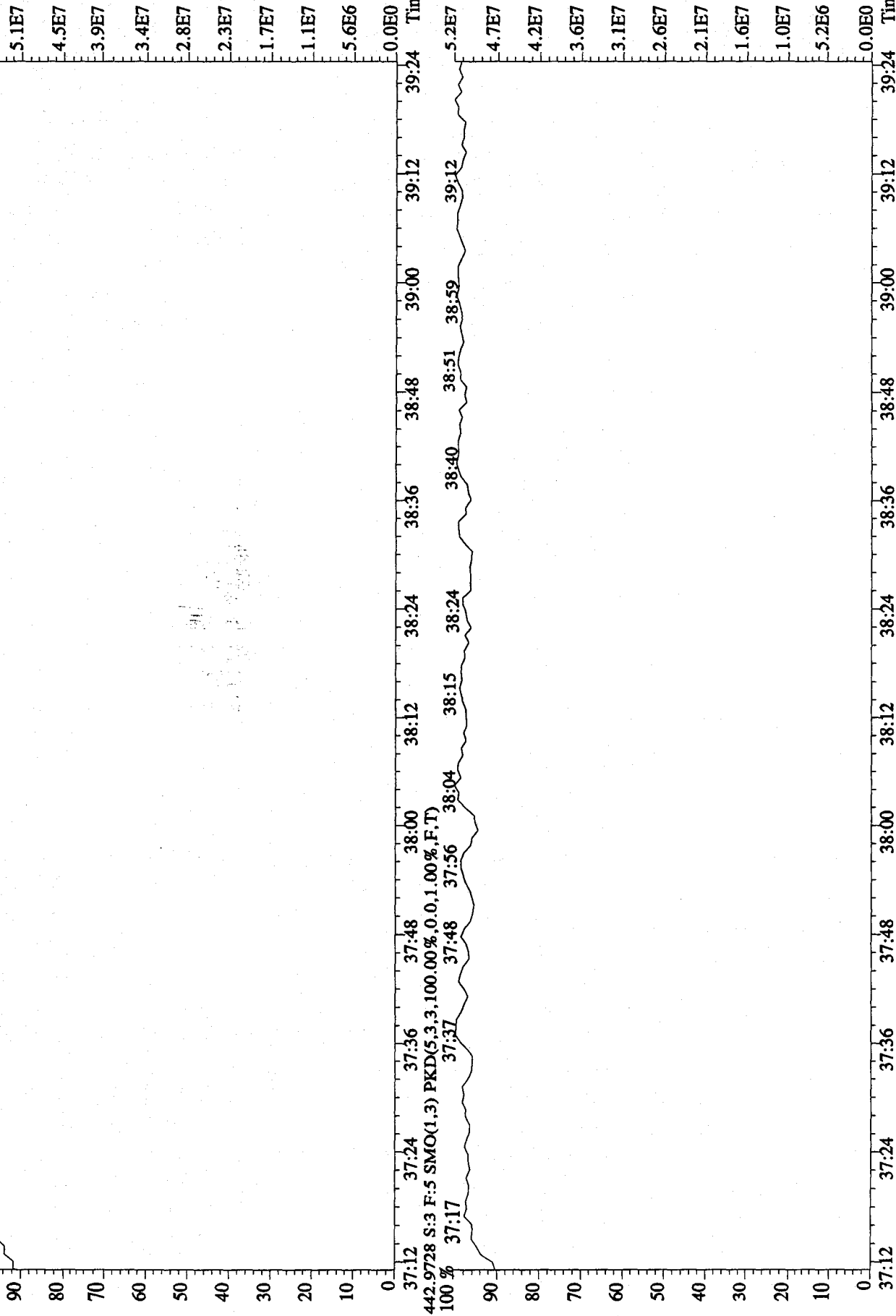


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

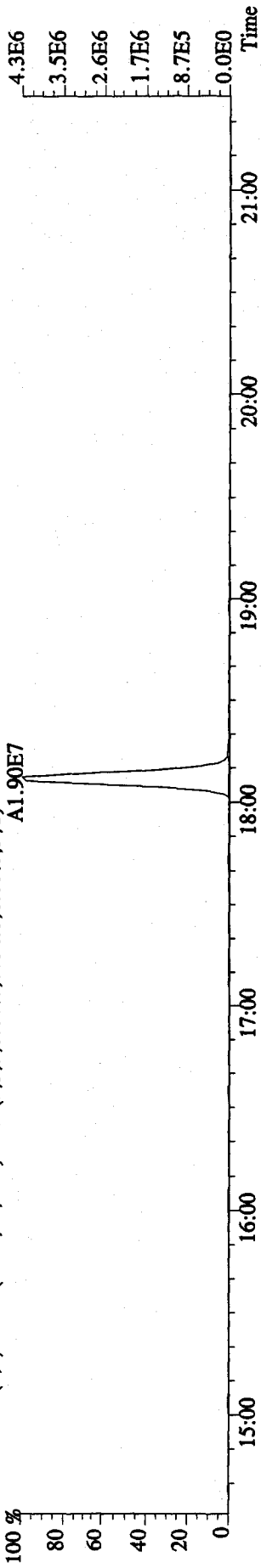
454.9728 S:3 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 % 37:16 37:28 37:39 37:51 38:01 38:18 38:30 38:39 38:48 38:56 39:07 39:19 5.6E7

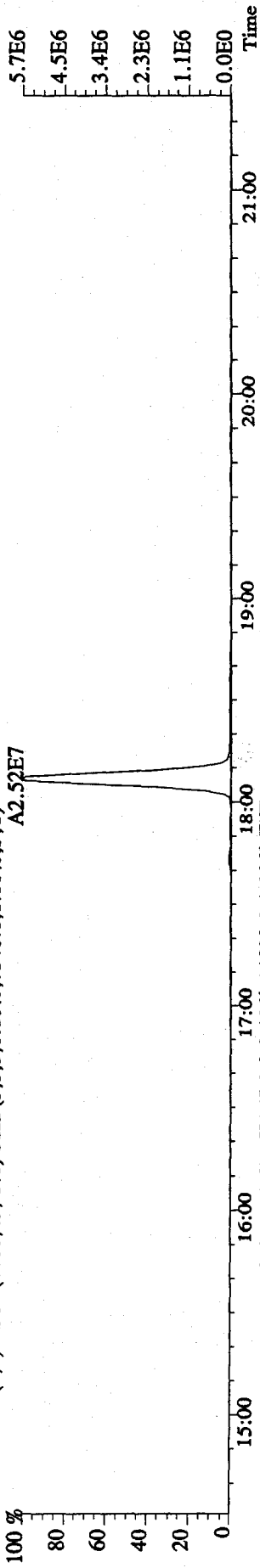


File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN

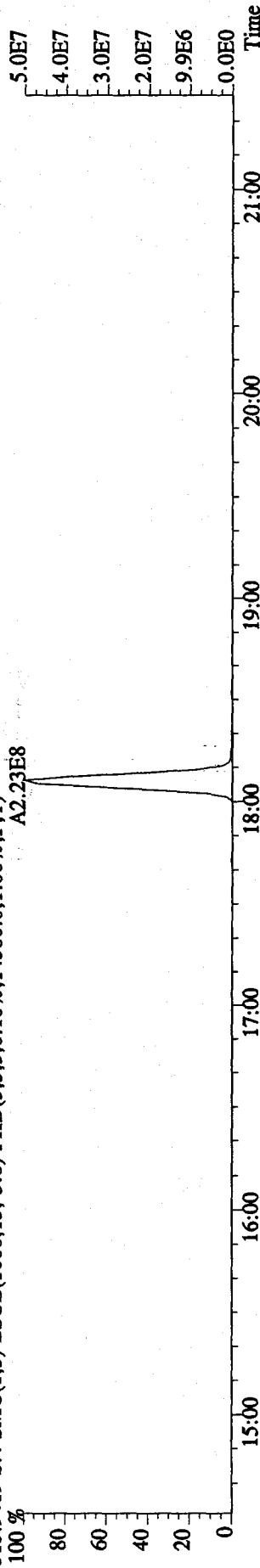
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)



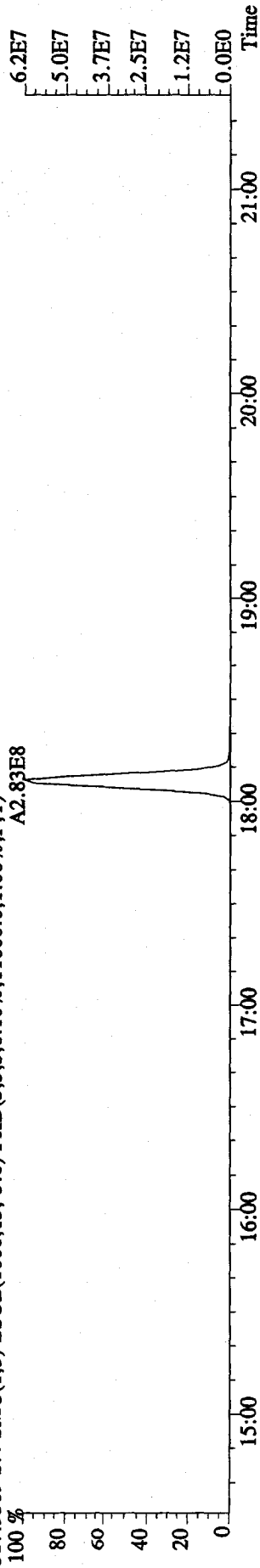
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)



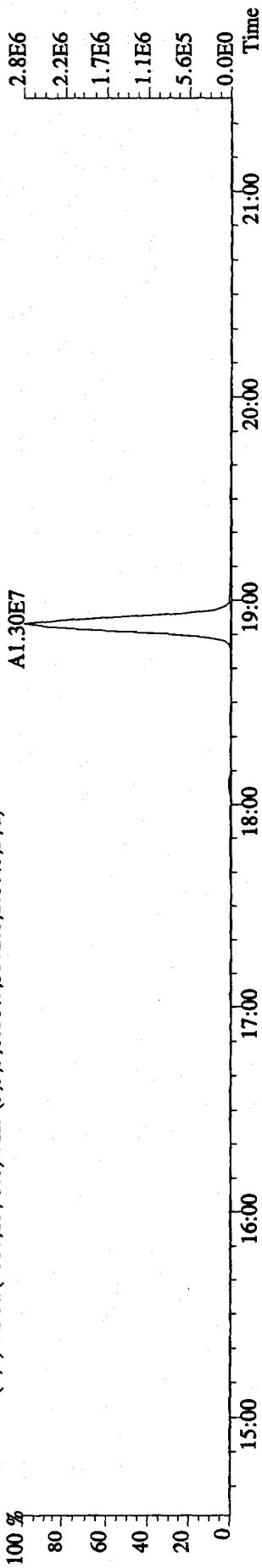
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14580.0,1.00%,F,T)



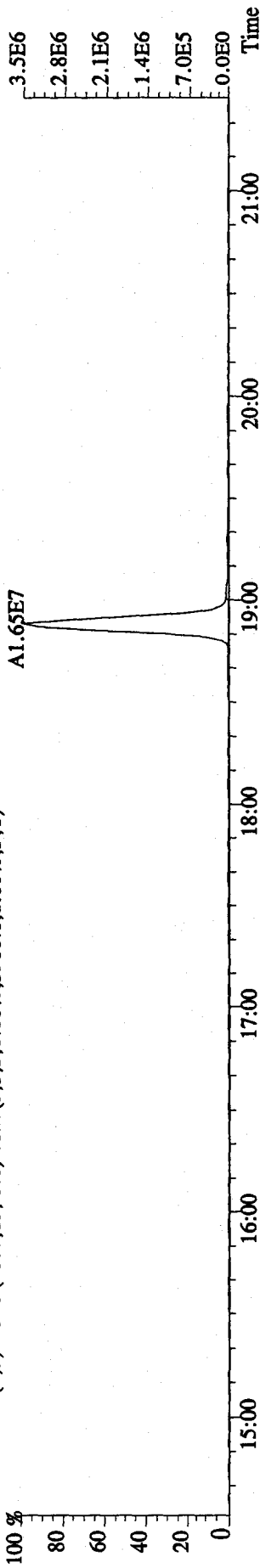
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11880.0,1.00%,F,T)



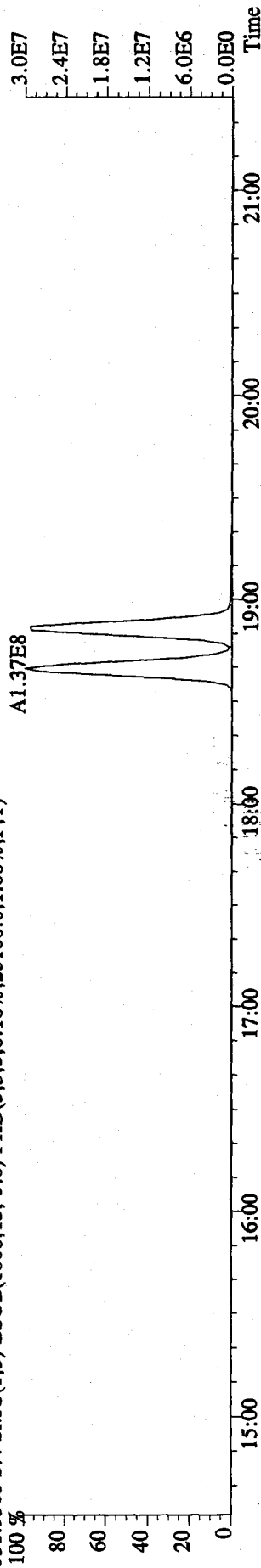
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5572.0,1.00%,F,T)



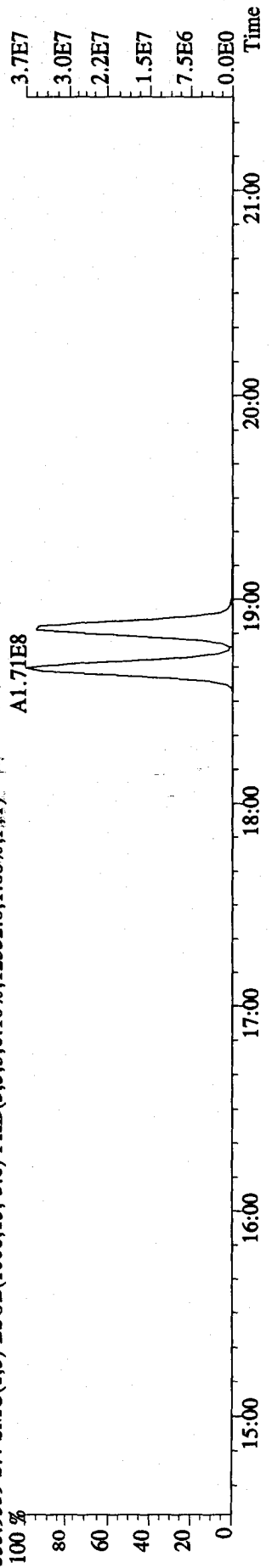
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5908.0,1.00%,F,T)



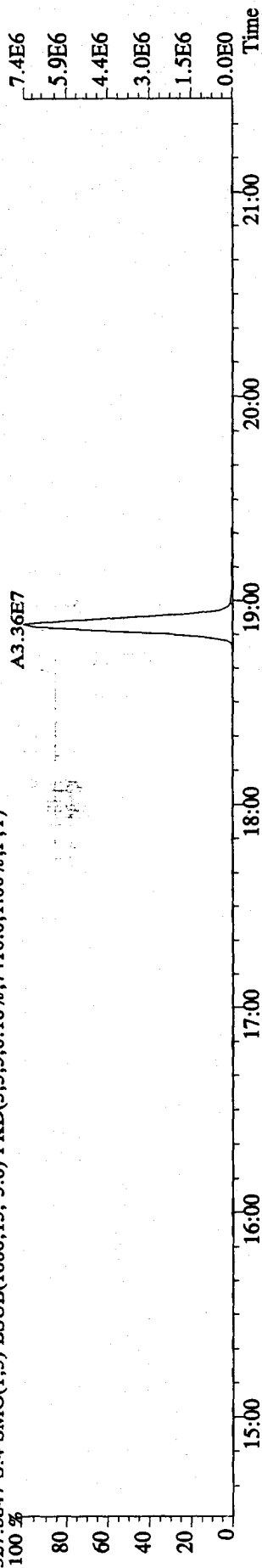
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25100.0,1.00%,F,T)



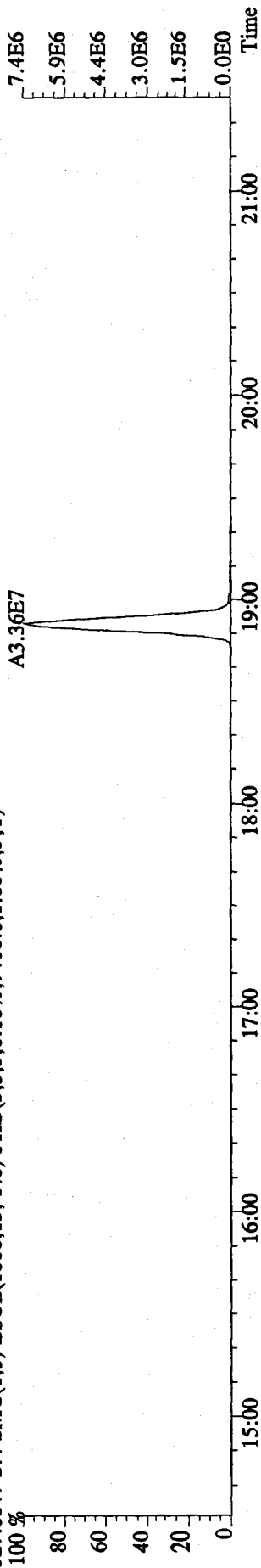
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12532.0,1.00%,F,T)



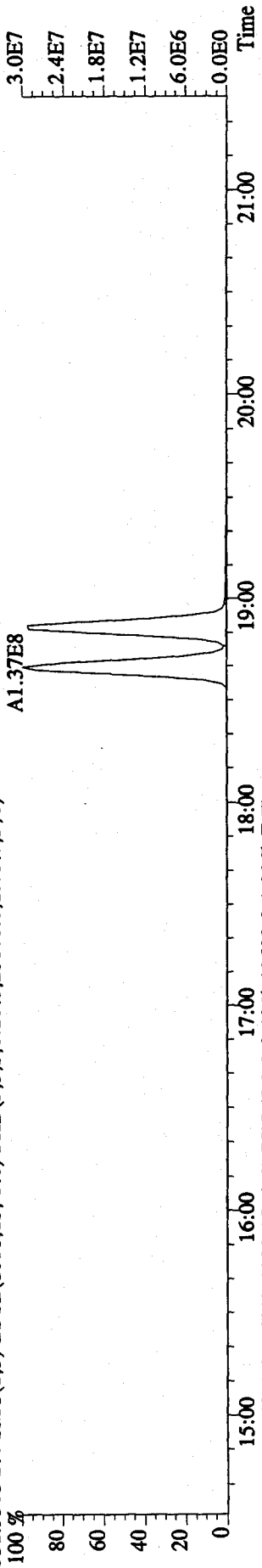
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7416.0,1.00%,F,T)



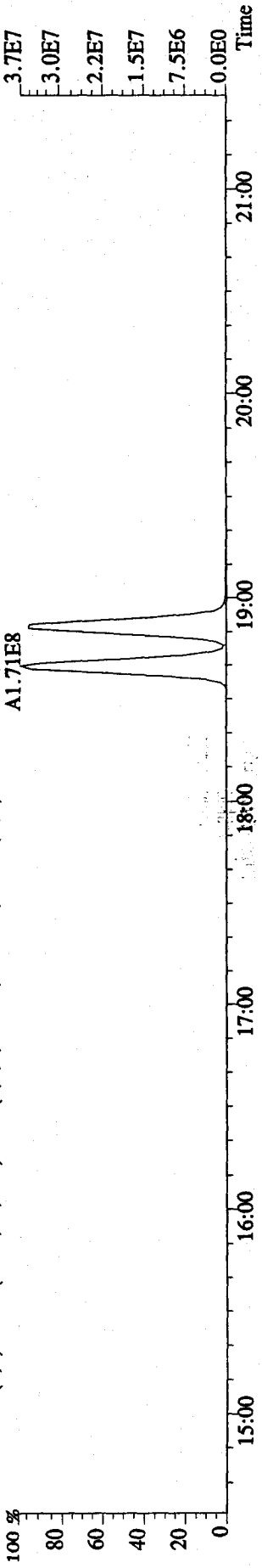
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7416.0,1.00%,F,T)



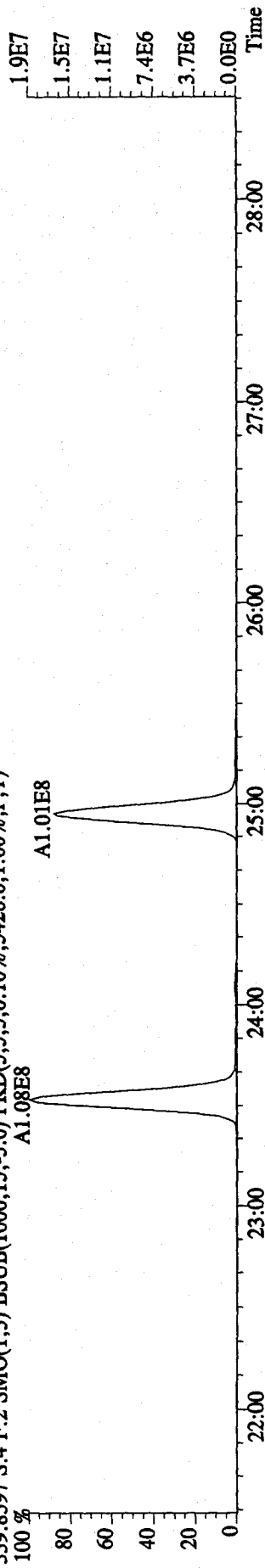
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25100.0,1.00%,F,T)



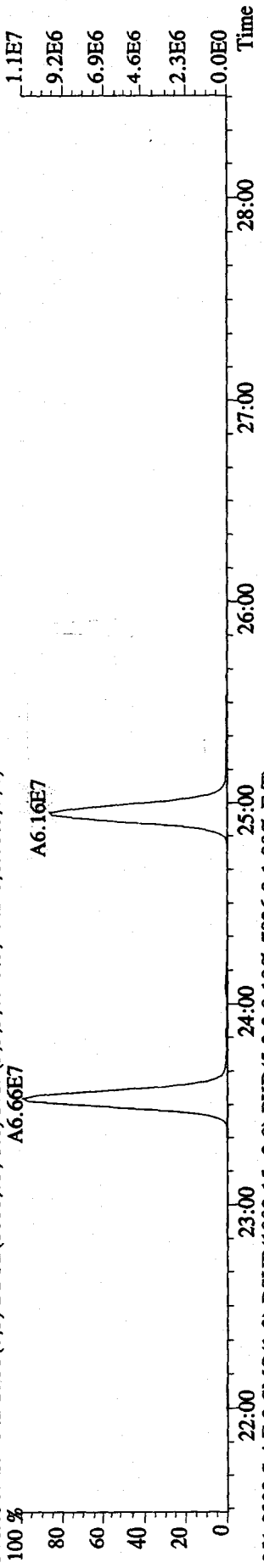
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12532.0,1.00%,F,T)



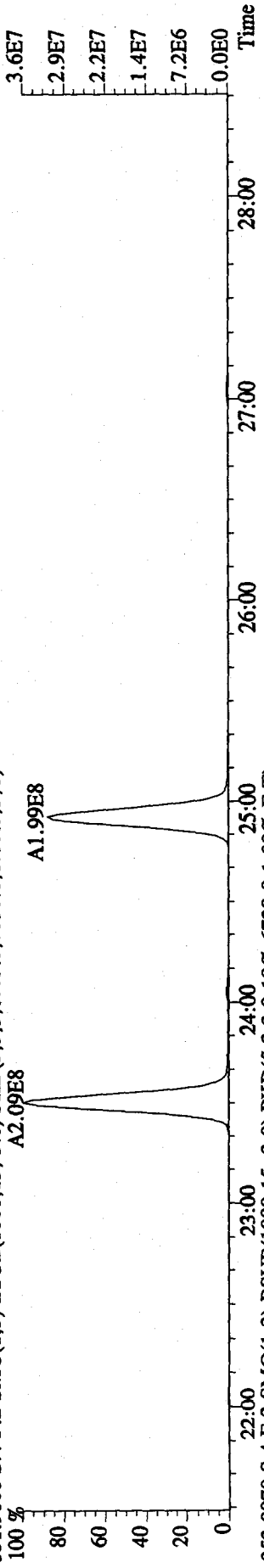
File: 31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D : CS-3 09DXN425 Exp: DIOXIN  
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)



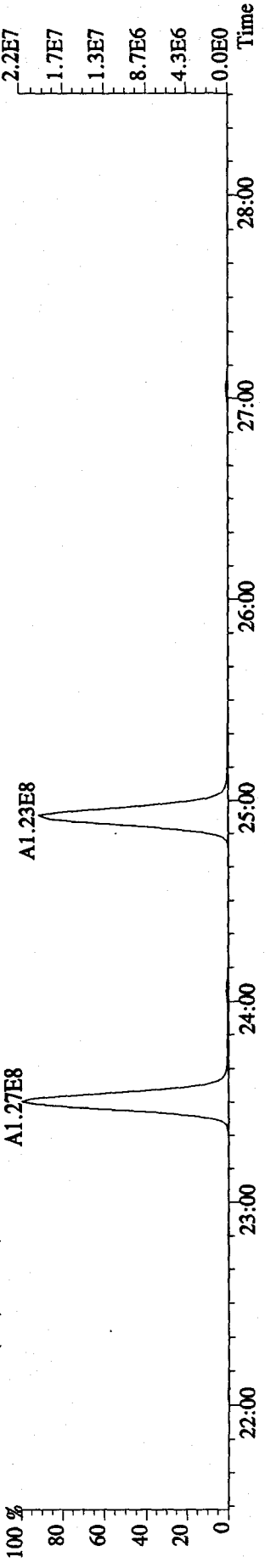
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)



351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7836.0,1.00%,F,T)

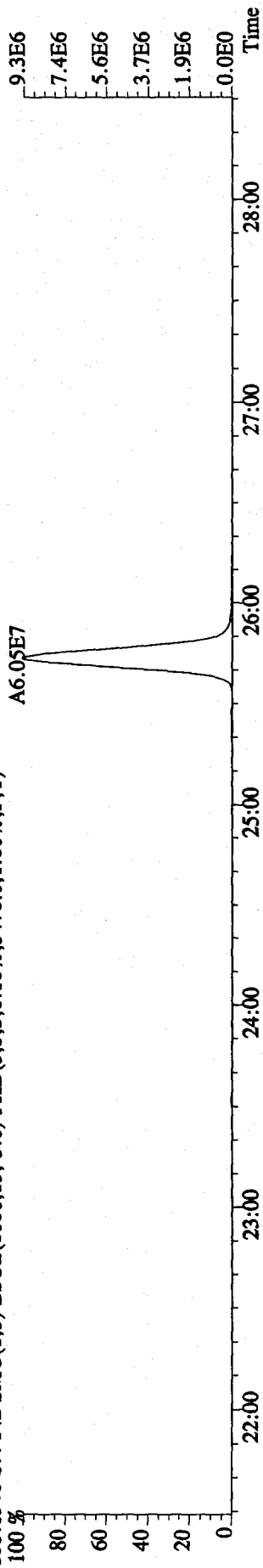


353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6728.0,1.00%,F,T)

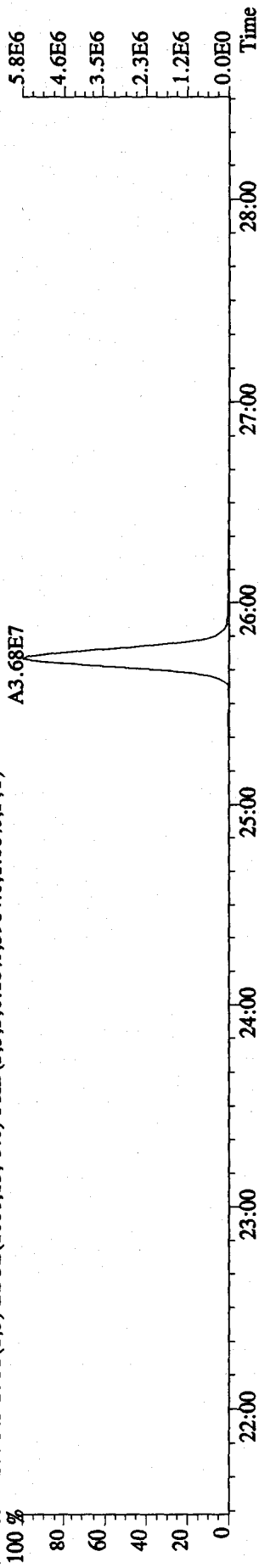




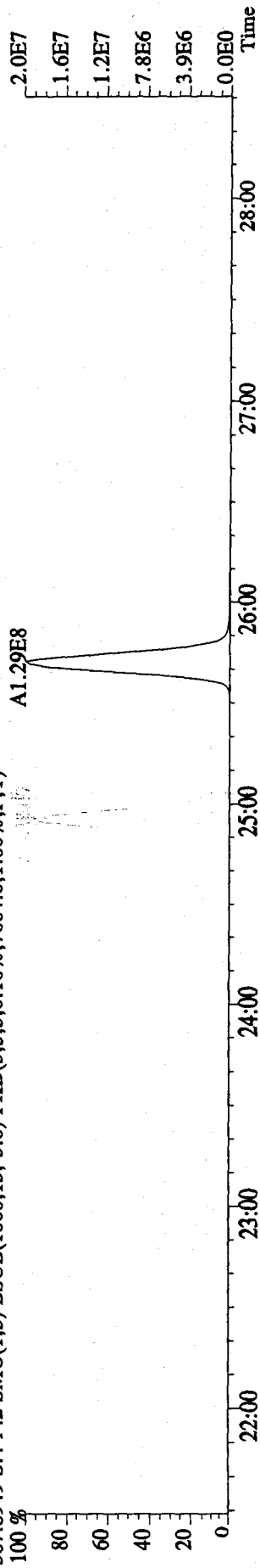
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 355.8546 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5476.0,1.00%,F,T)



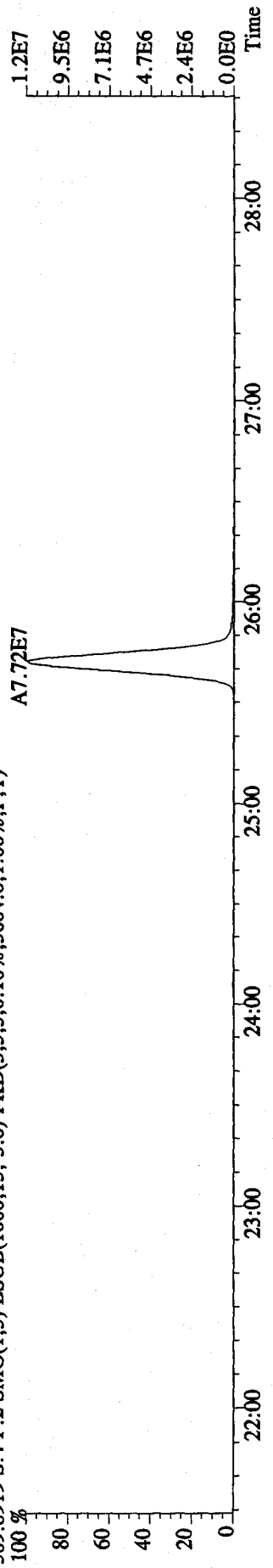
357.8516 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3984.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7664.0,1.00%,F,T)



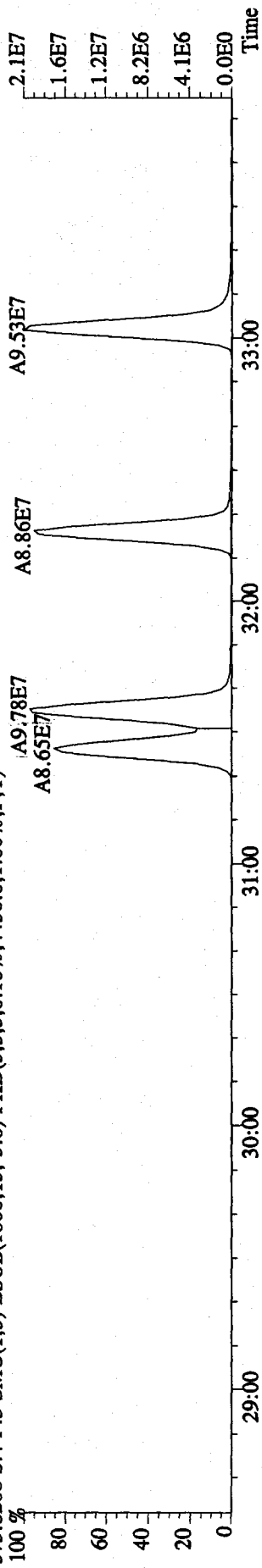
369.8919 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3604.0,1.00%,F,T)



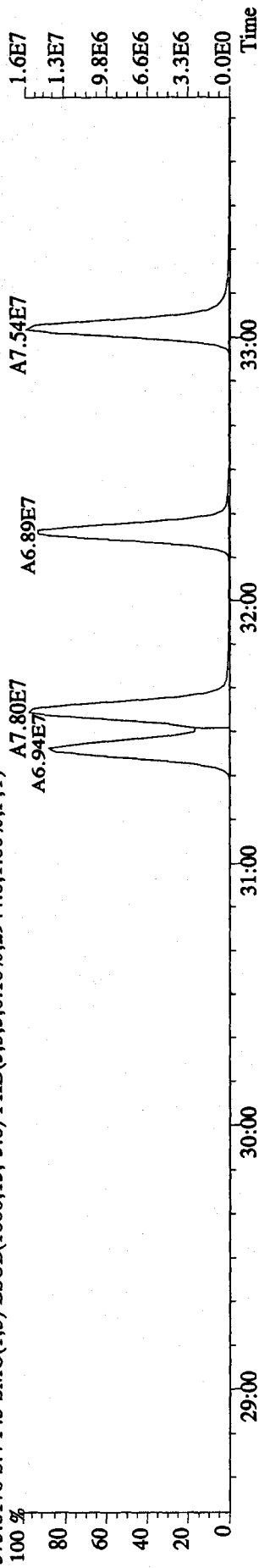
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

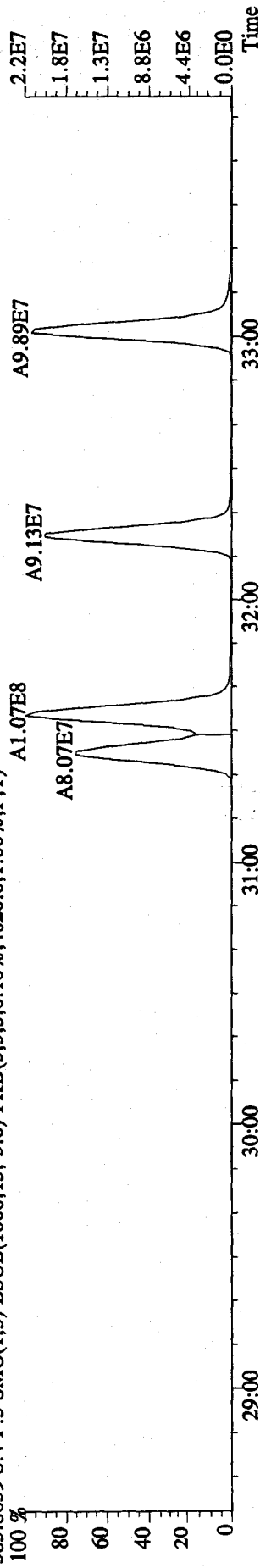
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4436.0,1.00%,F,T)



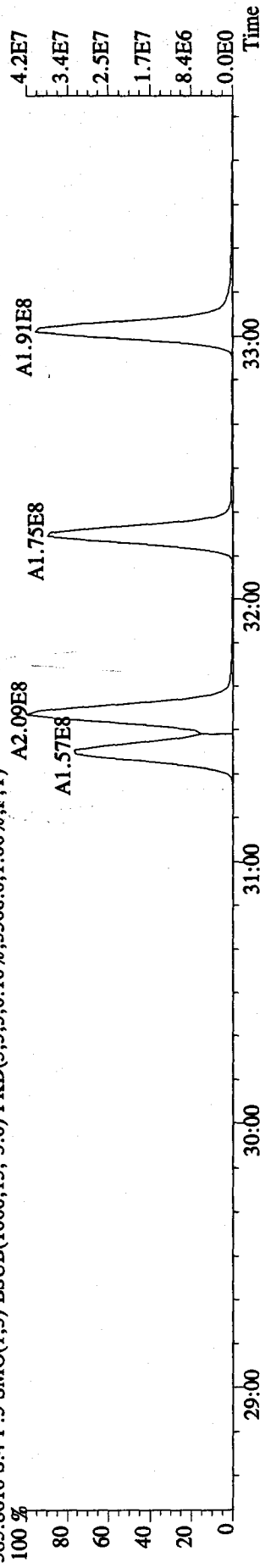
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2944.0,1.00%,F,T)



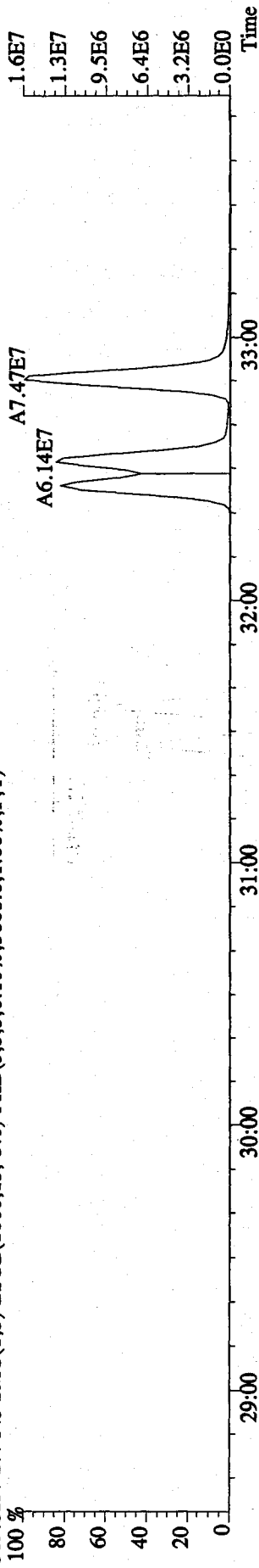
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4020.0,1.00%,F,T)



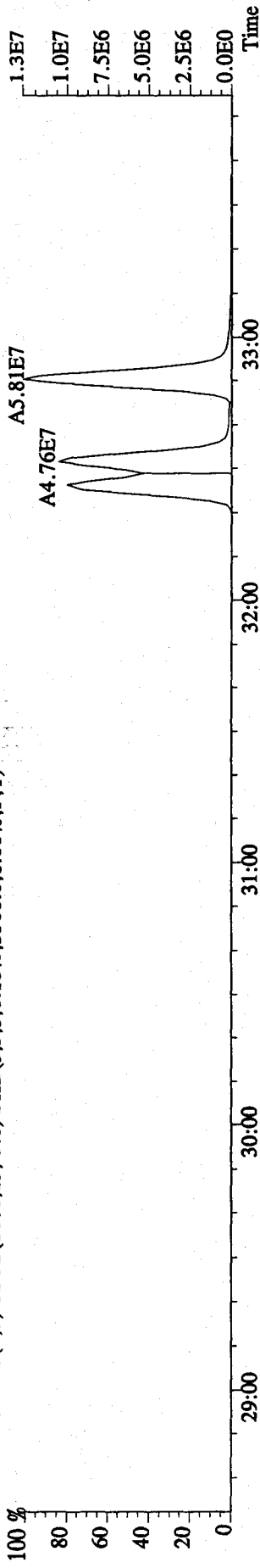
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5368.0,1.00%,F,T)



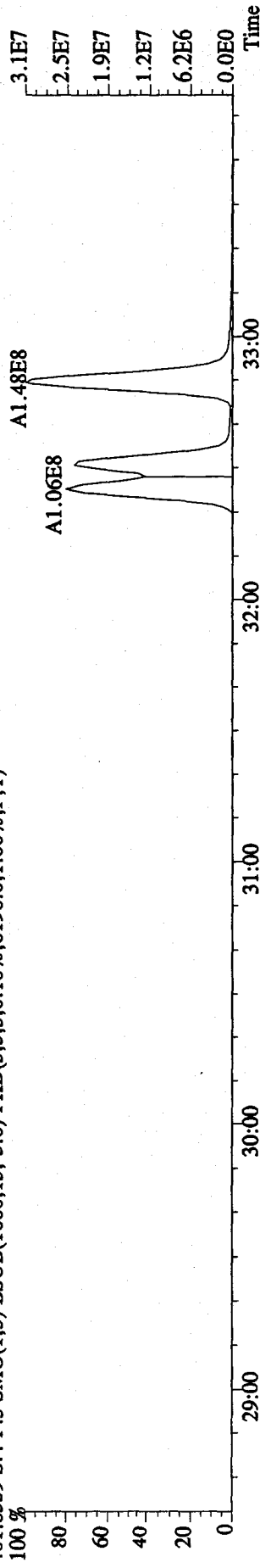
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3668.0,1.00%,F,T)



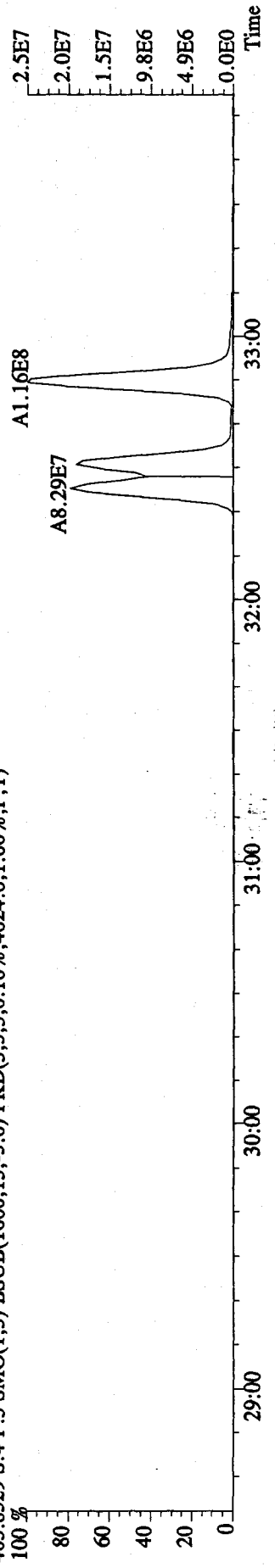
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5300.0,1.00%,F,T)



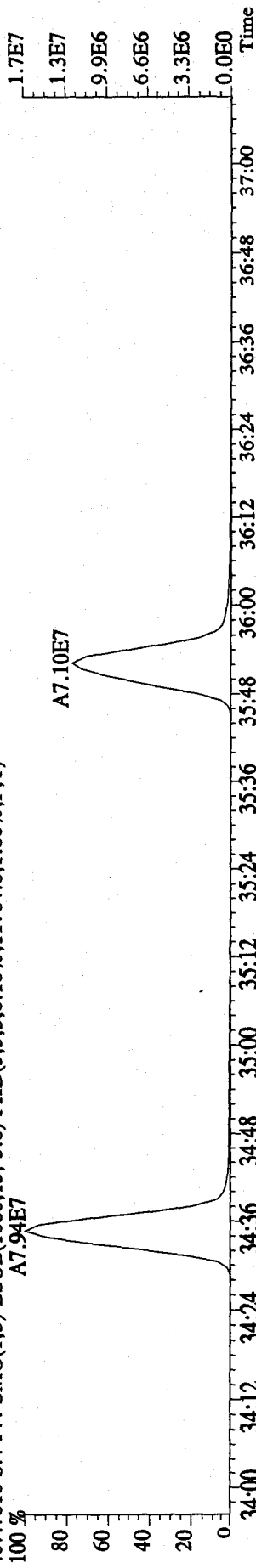
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6196.0,1.00%,F,T)



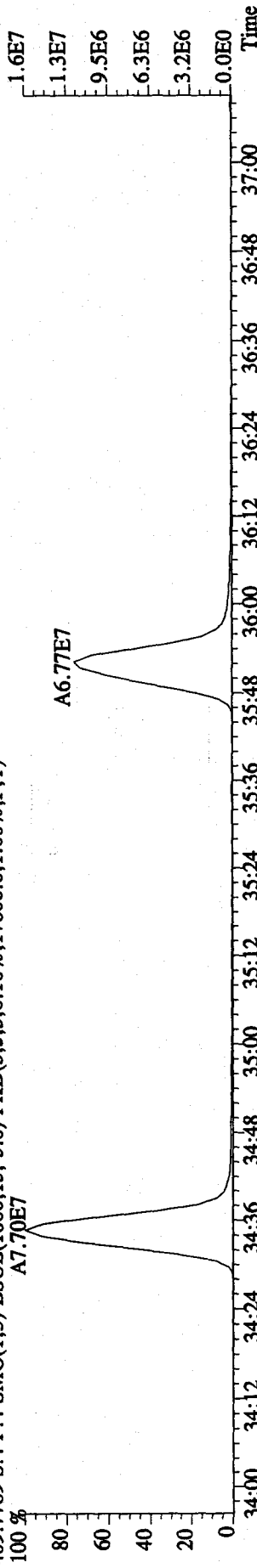
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4024.0,1.00%,F,T)



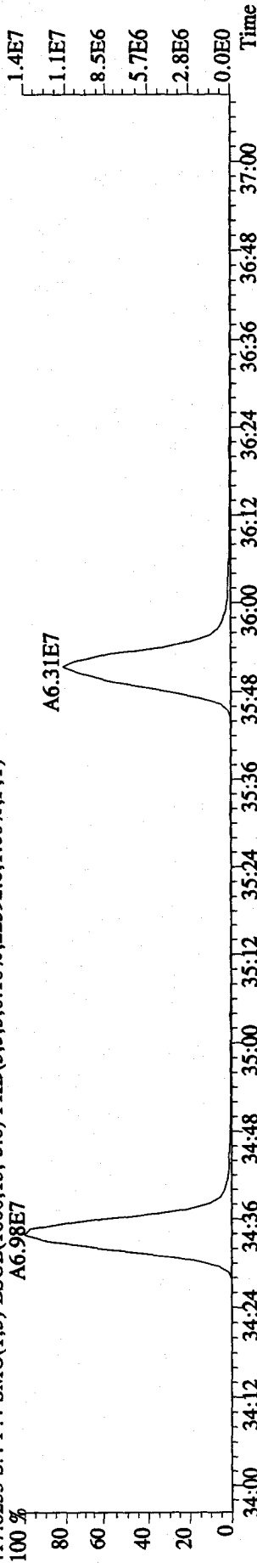
File: 31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN  
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11764.0,1.00%,F,T)  
 A7.94E7



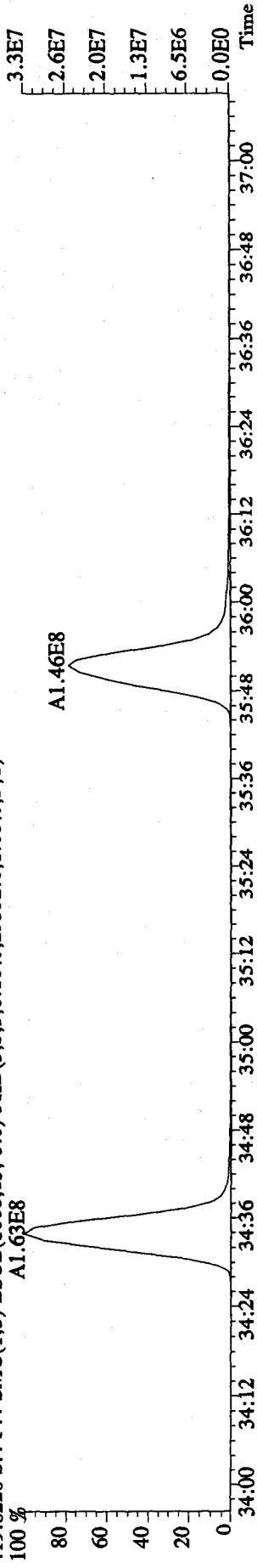
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,17808.0,1.00%,F,T)  
 A7.70E7



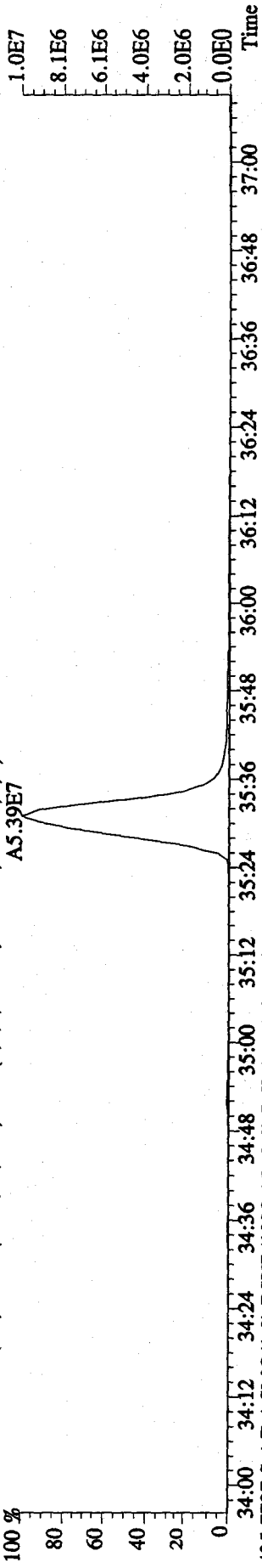
417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,22592.0,1.00%,F,T)  
 A6.98E7



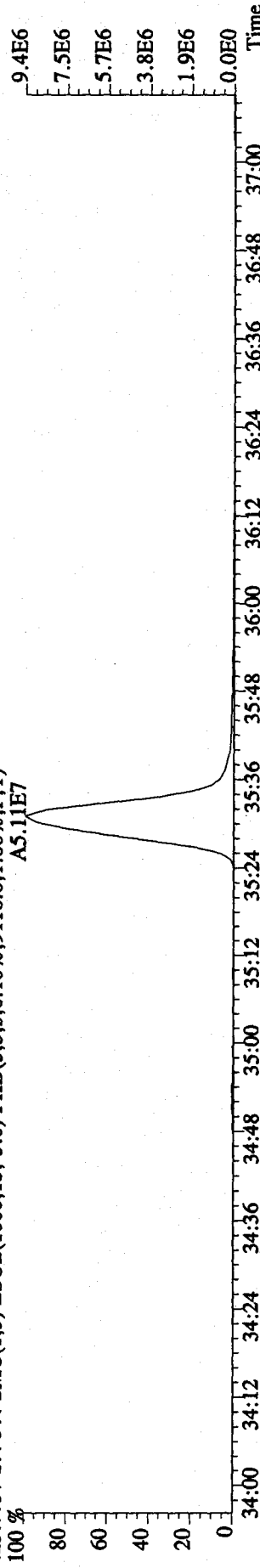
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,29552.0,1.00%,F,T)  
 A1.63E8



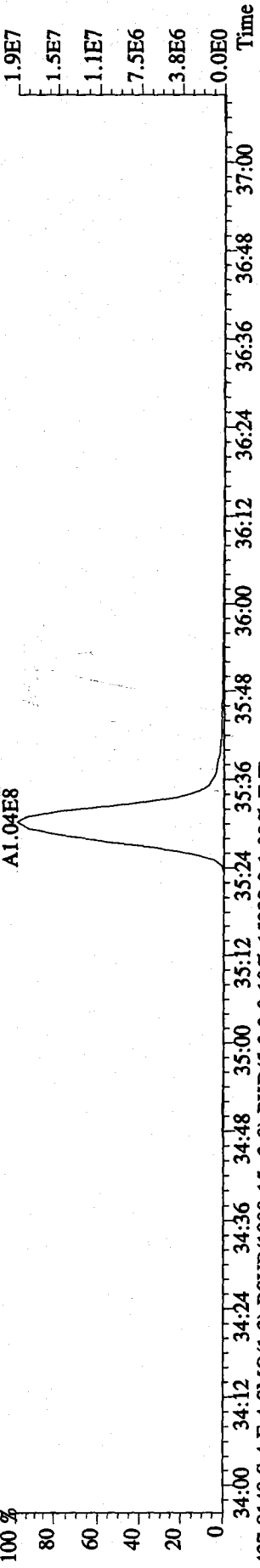
File: 31DE09AID5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN  
 423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12792.0,1.00%,F,T)  
 A5.39E7



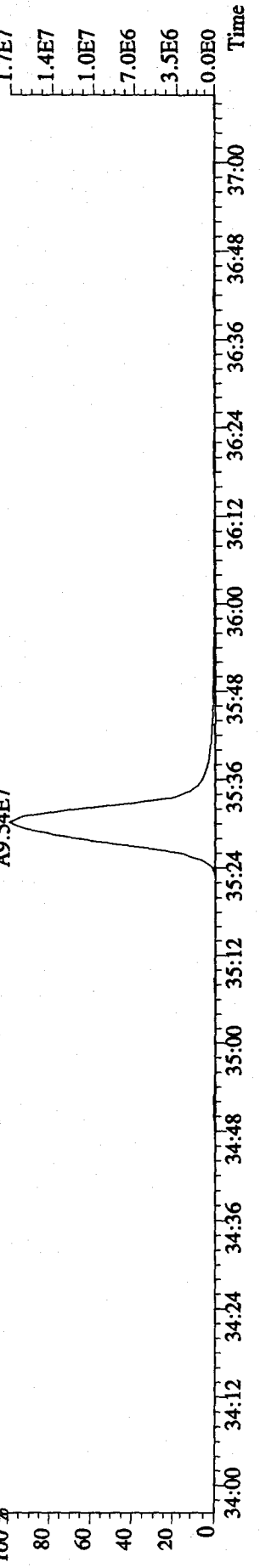
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9116.0,1.00%,F,T)  
 A5.11E7



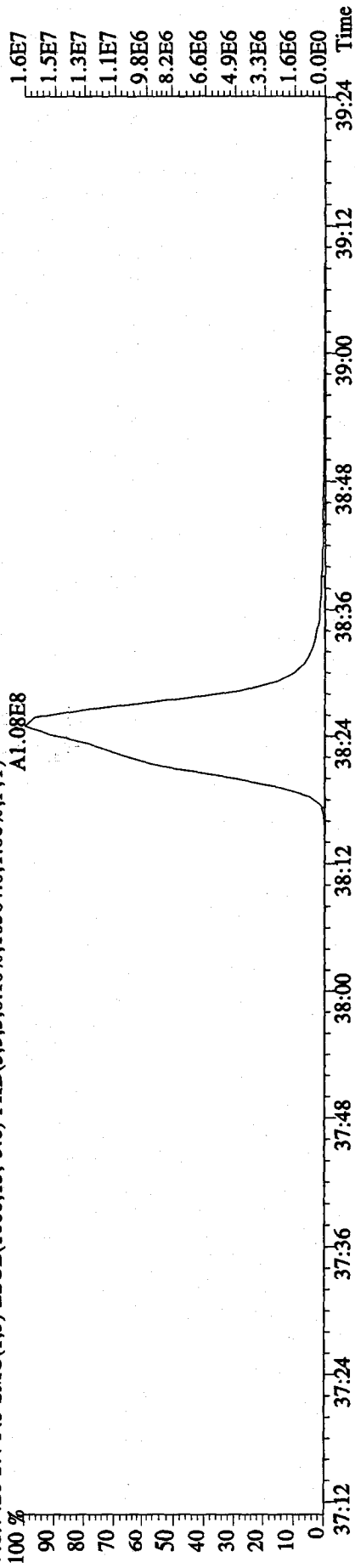
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13188.0,1.00%,F,T)  
 A1.04E8



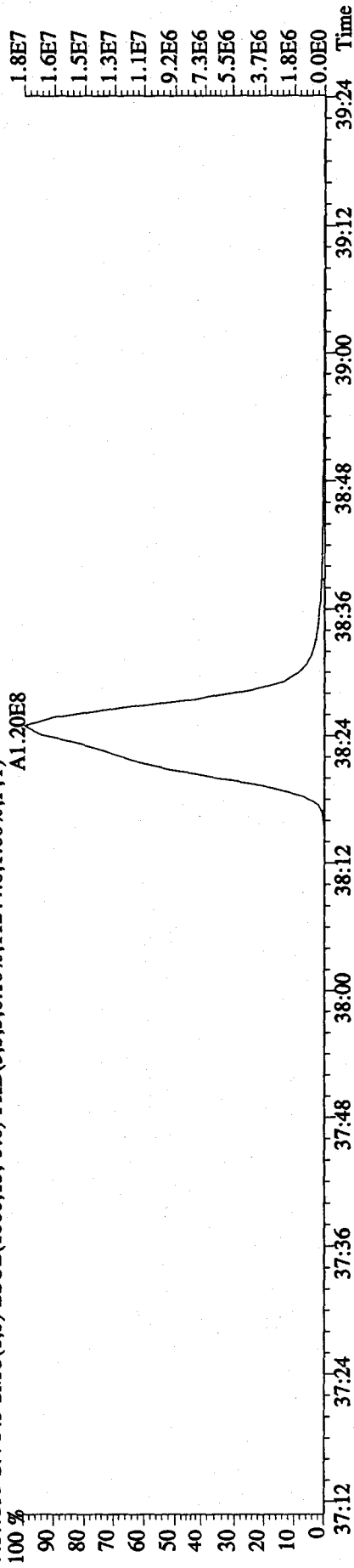
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15988.0,1.00%,F,T)  
 A9.54E7



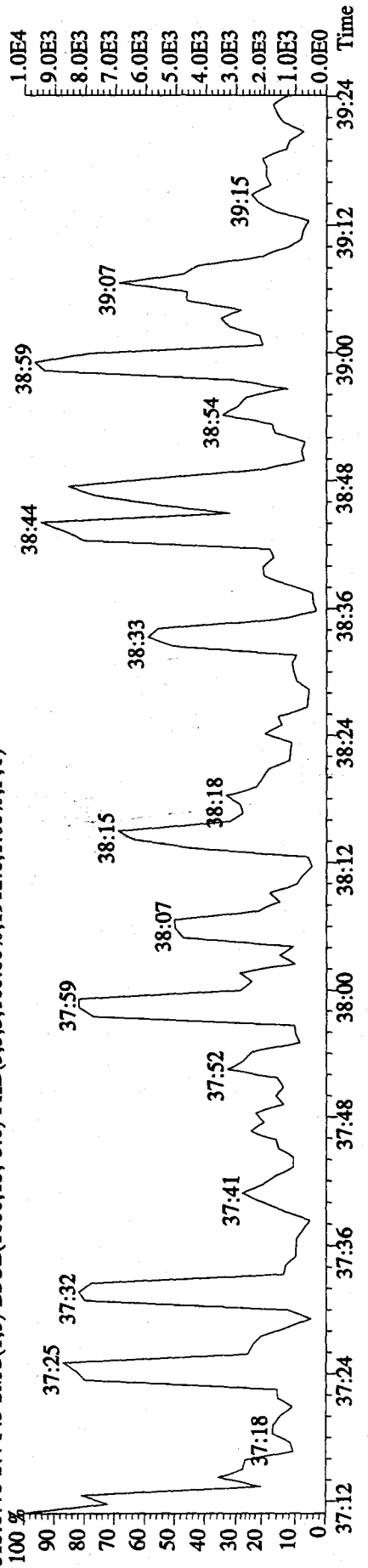
File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D : CS-3 09DXN425 Exp: DIOXIN  
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10364.0,1.00%,F,T)



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11244.0,1.00%,F,T)



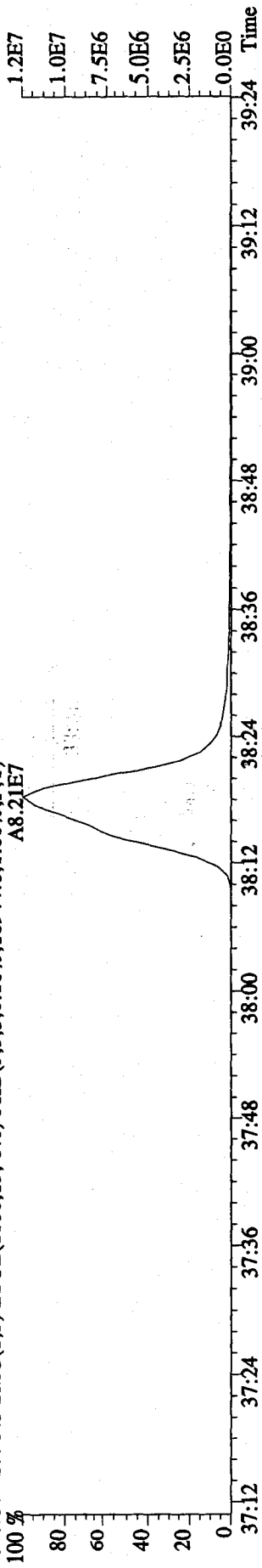
513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1912.0,1.00%,F,T)



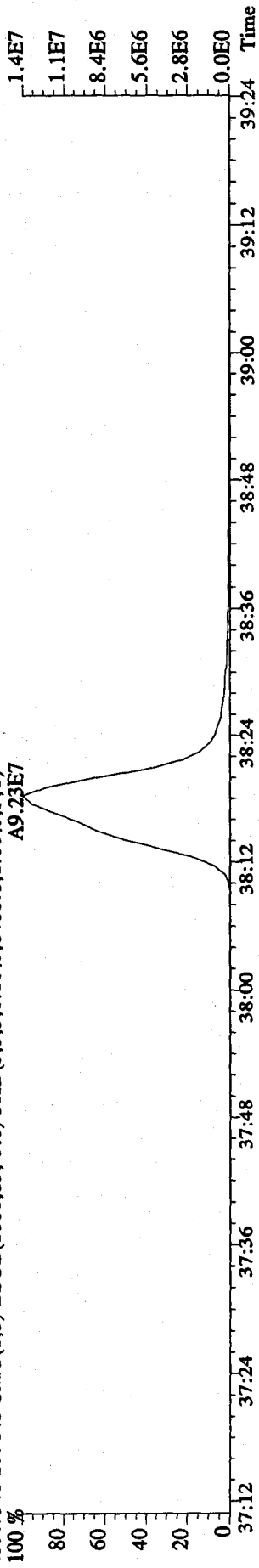
File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN

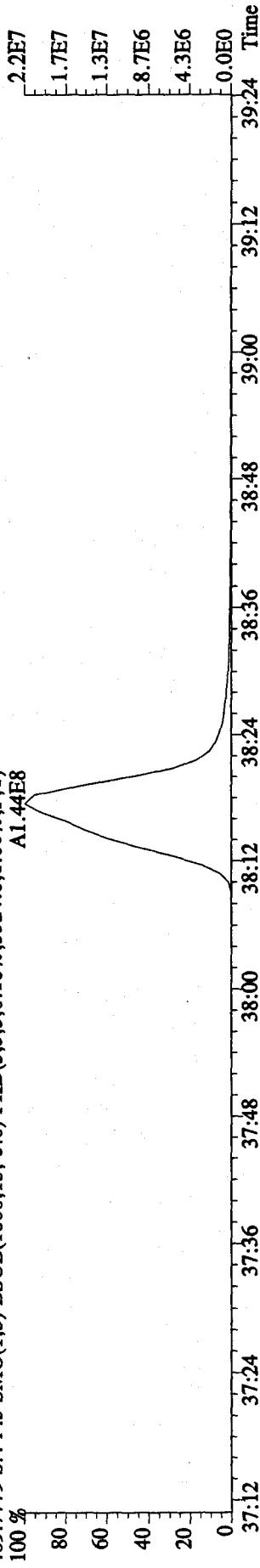
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,18944.0,1.00%,F,T) A8.21E7



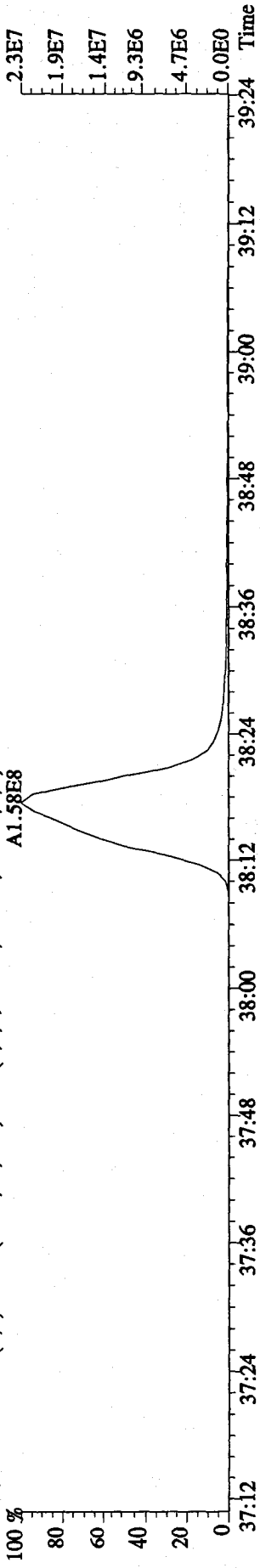
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T) A9.23E7



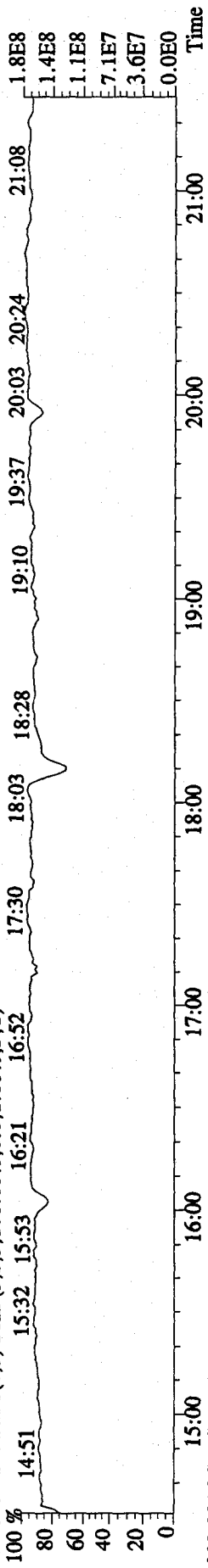
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5524.0,1.00%,F,T) A1.44E8



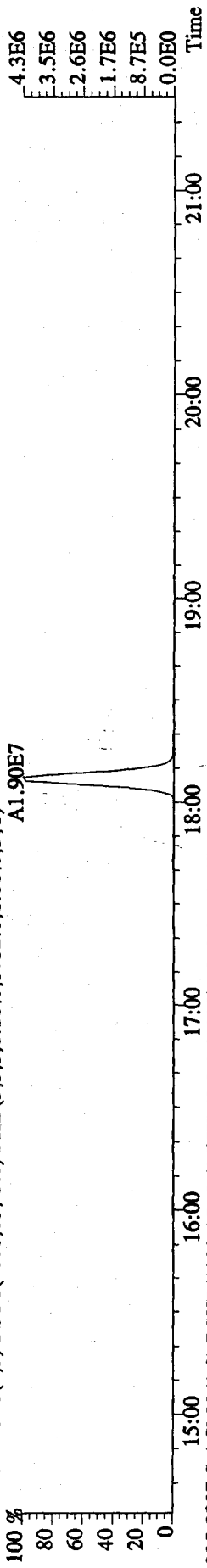
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4280.0,1.00%,F,T) A1.58E8



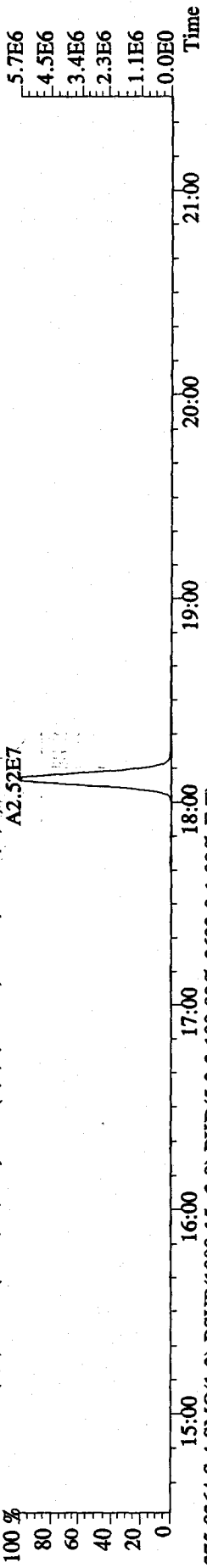
File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN  
 292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)  
 100% 14:51 15:32 15:53 16:21 16:52 17:30 18:03 18:28 19:10 19:37 20:03 20:24 21:08



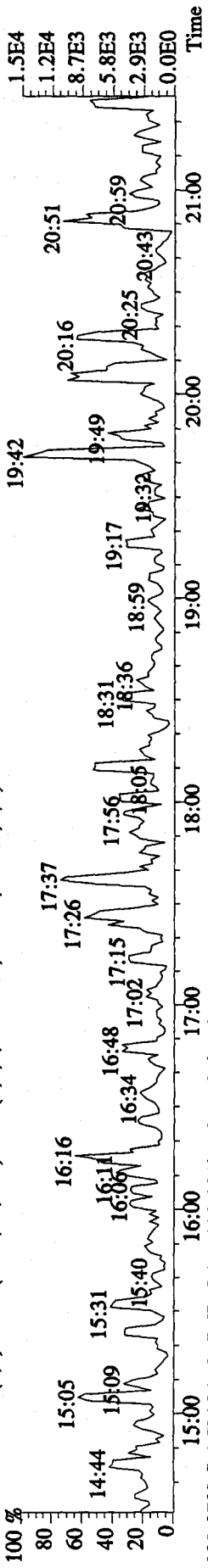
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)  
 100% 15:00 16:00 17:00 18:00 19:00 20:00 21:00  
 A1.90E7



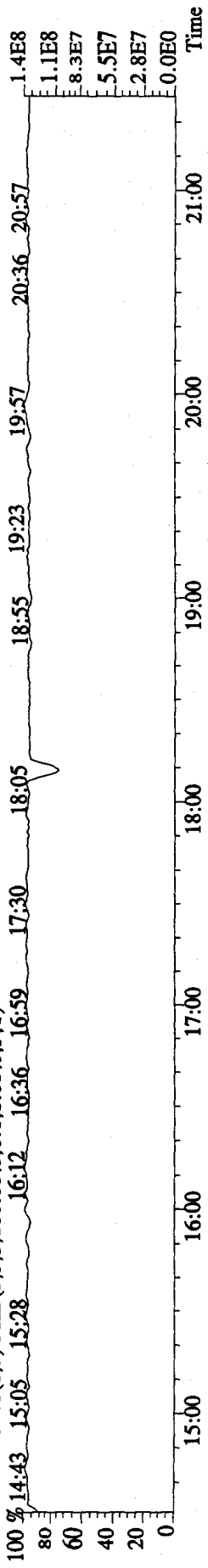
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)  
 100% 15:00 16:00 17:00 18:00 19:00 20:00 21:00  
 A2.52E7



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2692.0,1.00%,F,T)  
 100% 15:00 16:00 17:00 18:00 19:00 20:00 21:00



330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100% 14:43 15:05 15:28 16:12 16:36 16:59 17:30 18:05 18:55 19:23 19:57 20:36 20:57



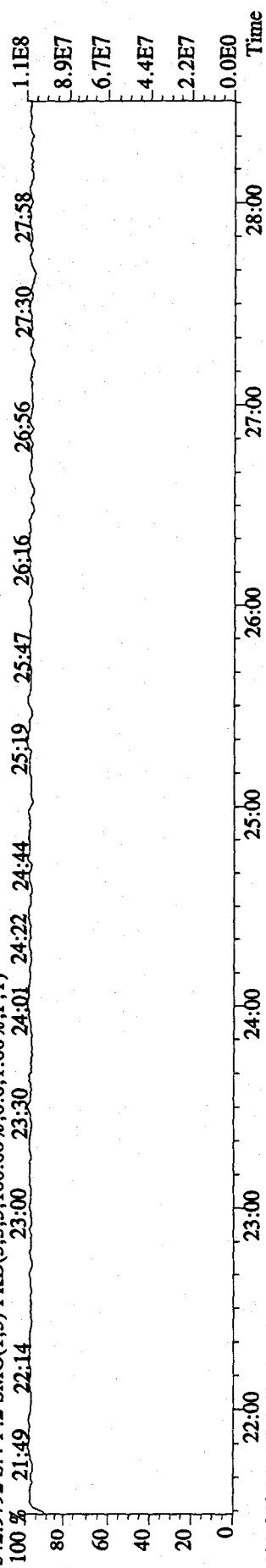


File:31DE09AID5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

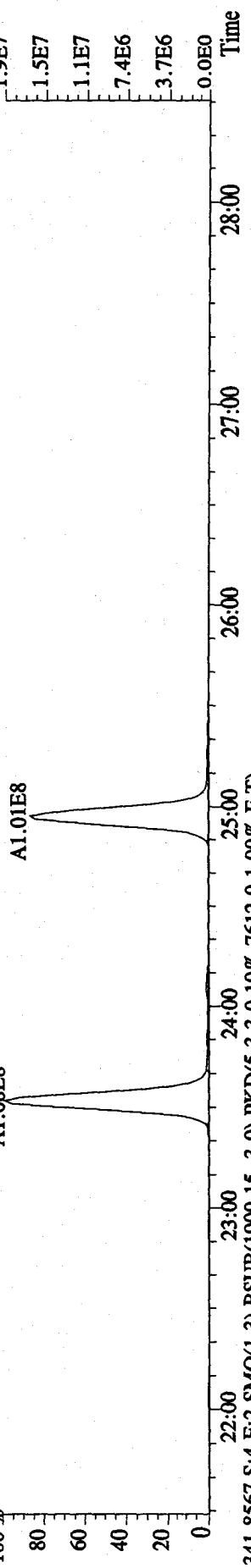
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



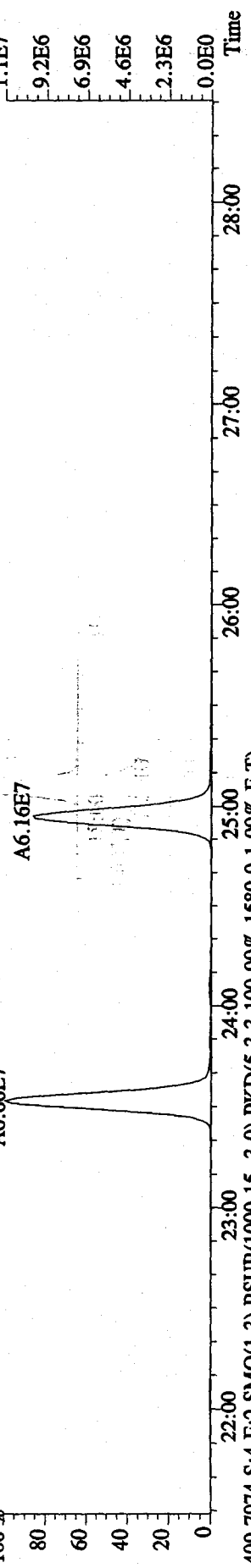
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)

100 % A1.08E8 A1.01E8



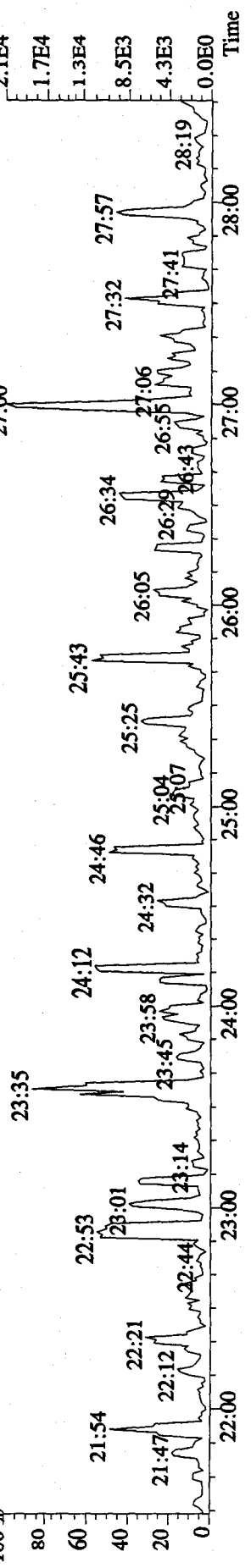
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)

100 % A6.66E7 A6.16E7

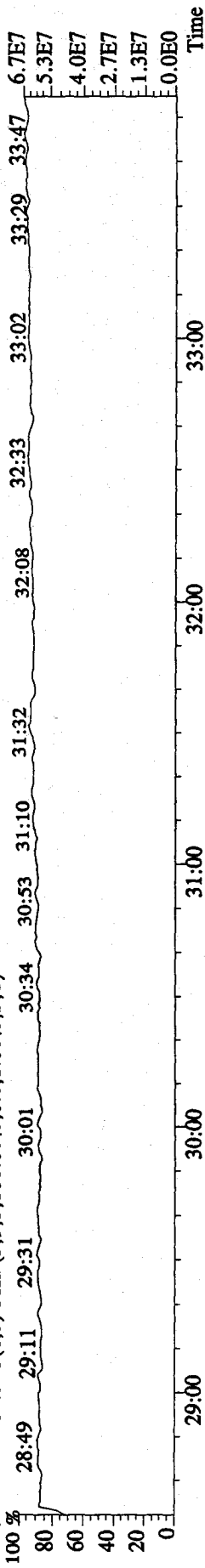


409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1580.0,1.00%,F,T)

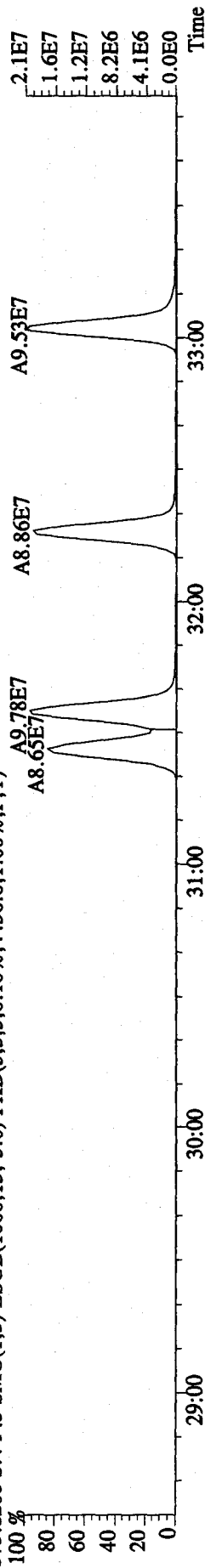
100 %



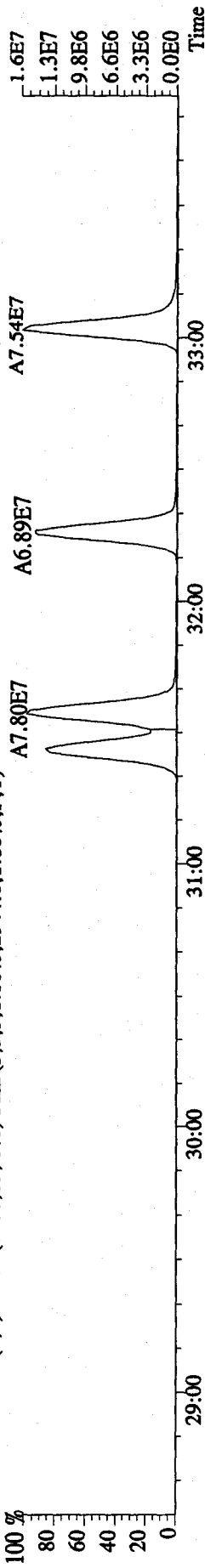
File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN  
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,0.0,1.00%,F,T)  
 100% 28:49 29:11 29:31 30:01 30:34 30:53 31:10 31:32 32:08 32:33 33:02 33:29 33:47



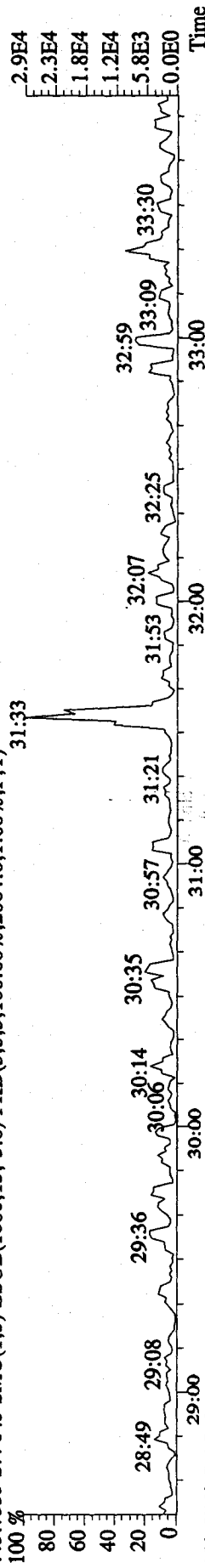
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



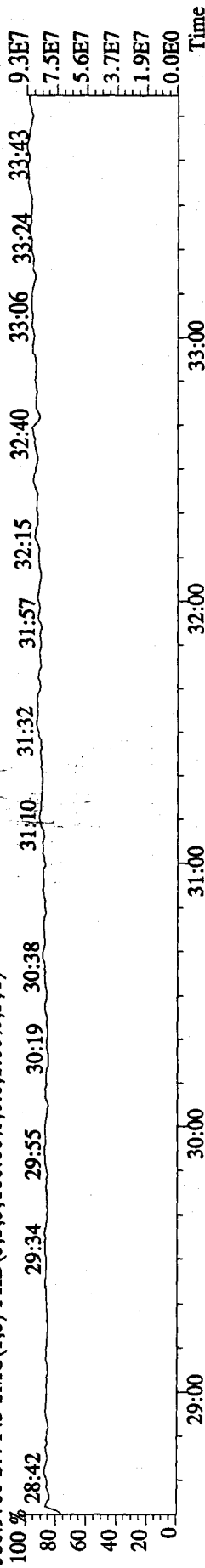
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)



445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,1.00%,2064.0,1.00%,F,T)



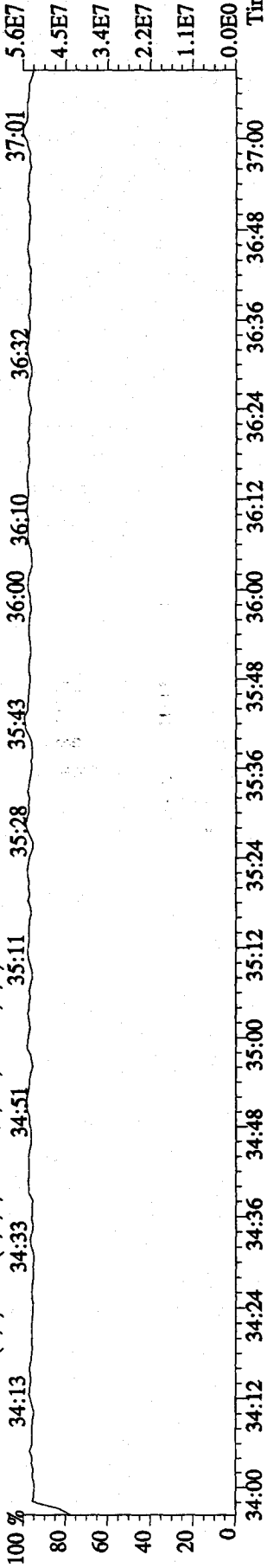
380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



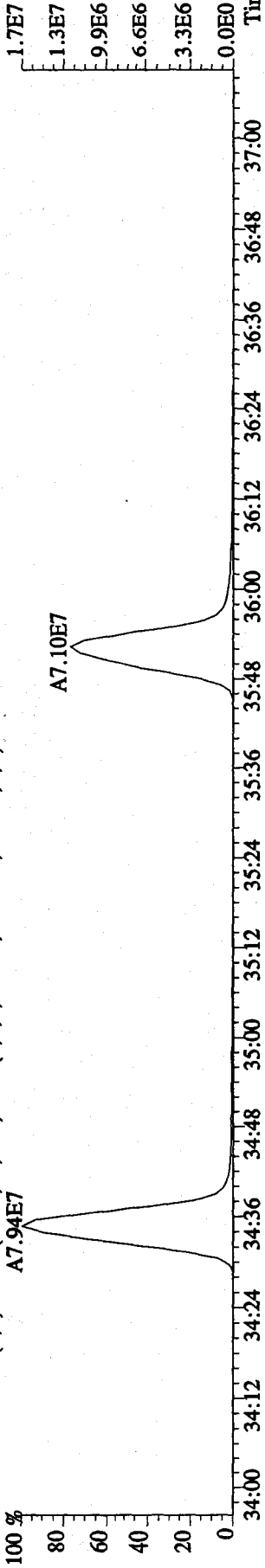
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

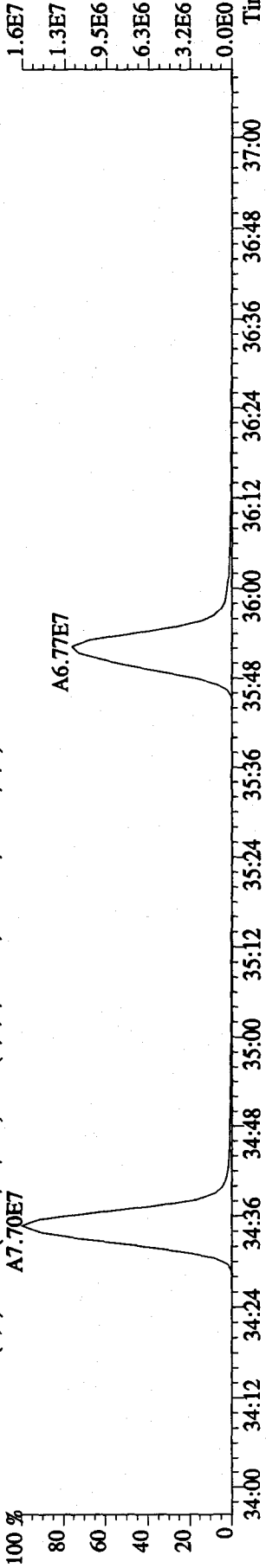
430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



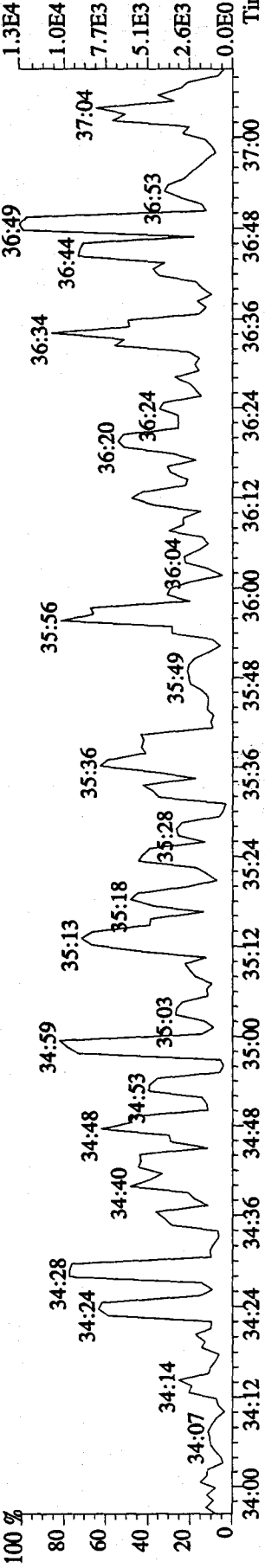
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11764.0,1.00%,F,T)



409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17808.0,1.00%,F,T)



479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3164.0,1.00%,F,T)



File:31DE09AIDS #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

454.9728 S:4 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 %

5.7E7

39:21

39:12

39:04

38:51

38:37

38:27

38:11

37:55

37:44

37:22

37:12

37:04

36:56

36:48

36:40

36:32

36:24

90

5.1E7

80

4.6E7

70

4.0E7

60

3.4E7

50

2.9E7

40

2.3E7

30

1.7E7

20

1.1E7

10

5.7E6

0

0.0E0

37:12

39:24

39:12

39:00

38:48

38:36

38:24

38:12

38:00

37:48

37:36

37:24

37:12

37:04

36:56

36:48

36:40

36:32

36:24

442.9728 S:4 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

5.3E7

39:20

39:12

39:02

38:50

38:40

38:32

38:20

38:15

38:02

37:56

37:47

37:33

37:18

37:02

36:56

36:48

36:40

90

4.7E7

80

4.2E7

70

3.7E7

60

3.2E7

50

2.6E7

40

2.1E7

30

1.6E7

20

1.1E7

10

5.3E6

0

0.0E0

37:12

39:24

39:12

39:00

38:48

38:36

38:24

38:12

38:00

37:48

37:36

37:24

37:12

37:04

36:56

36:48

36:40

36:32

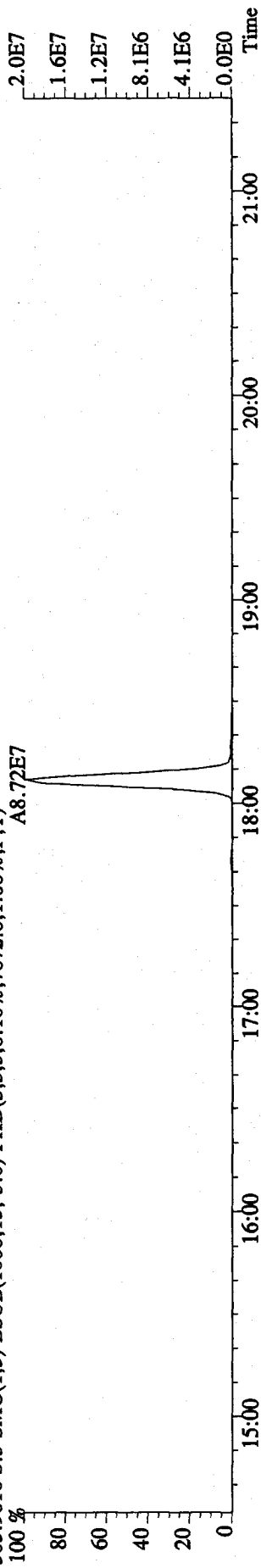
36:24

File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

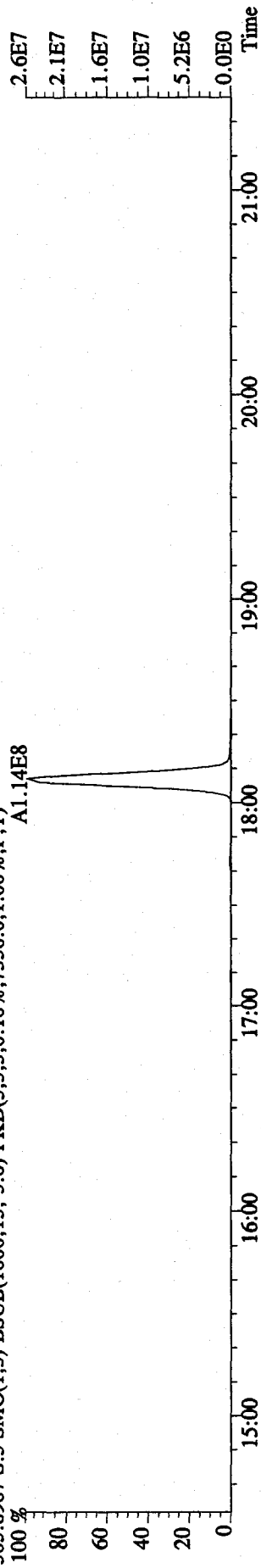
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)

A8.72E7



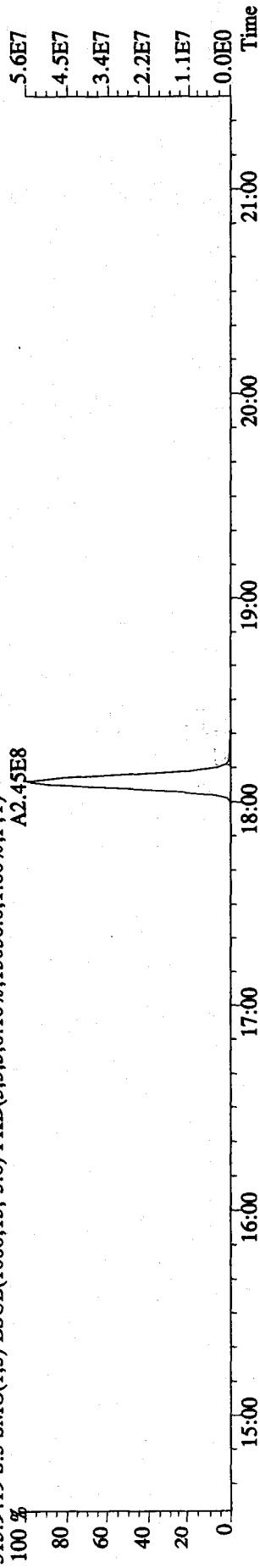
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7356.0,1.00%,F,T)

A1.14E8



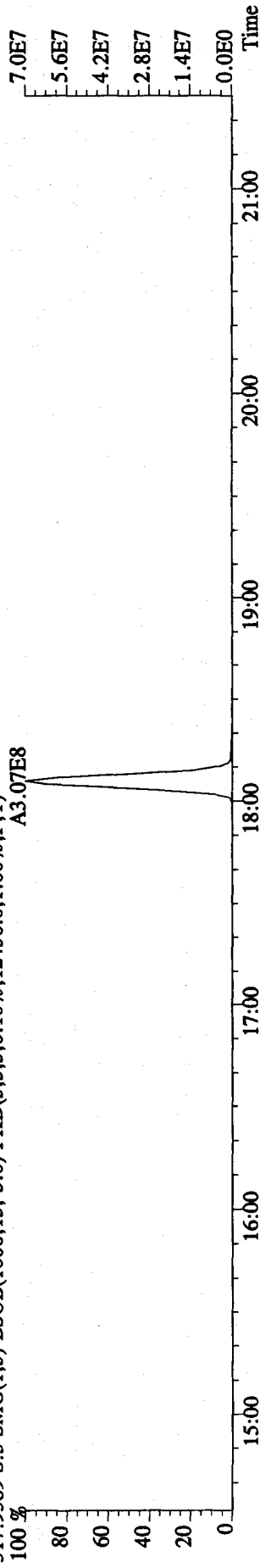
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13056.0,1.00%,F,T)

A2.45E8

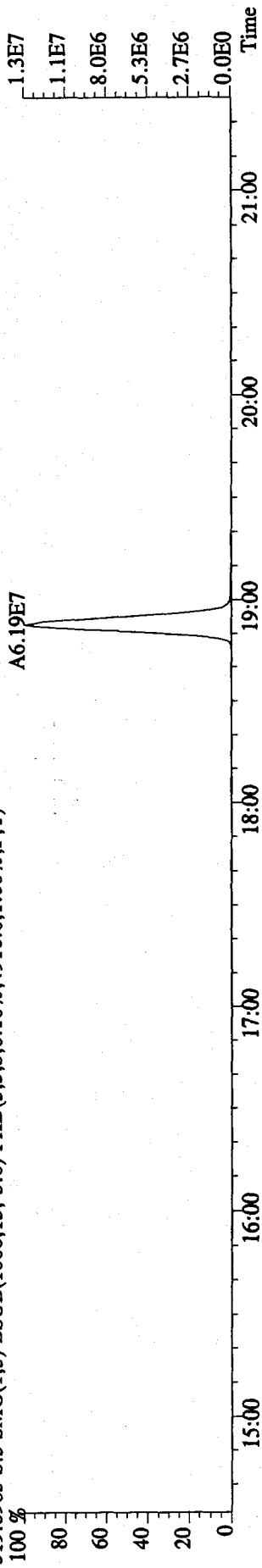


317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12436.0,1.00%,F,T)

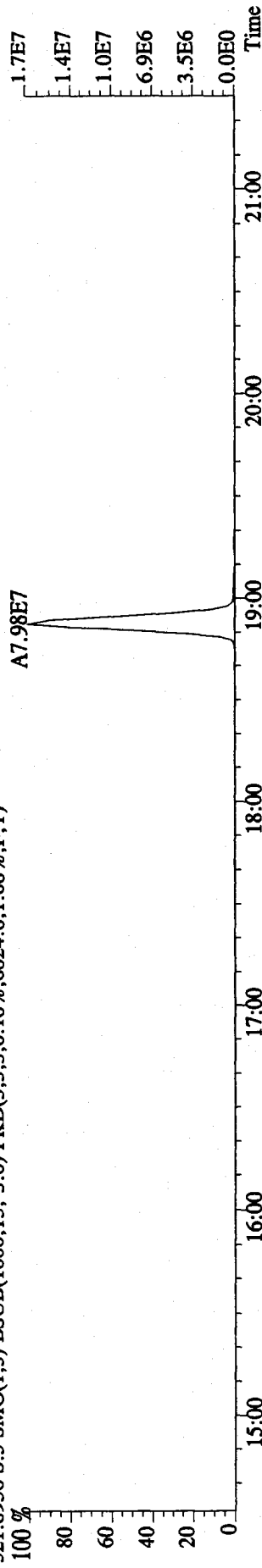
A3.07E8



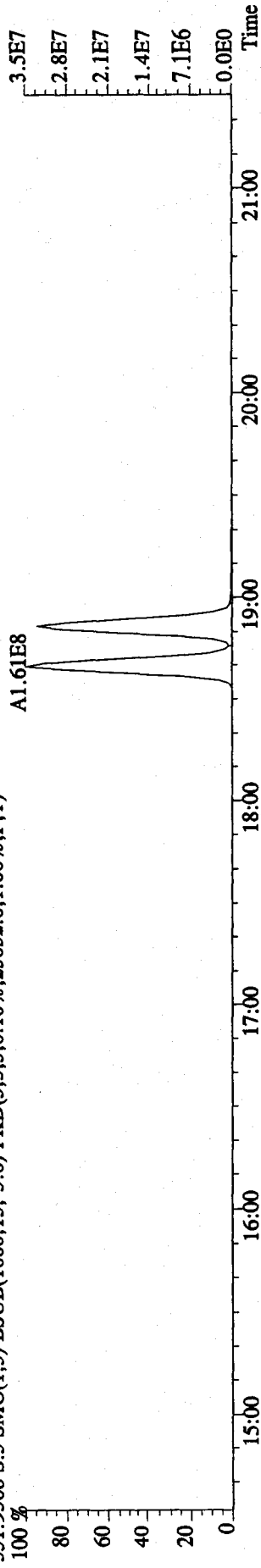
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4916.0,1.00%,F,T)



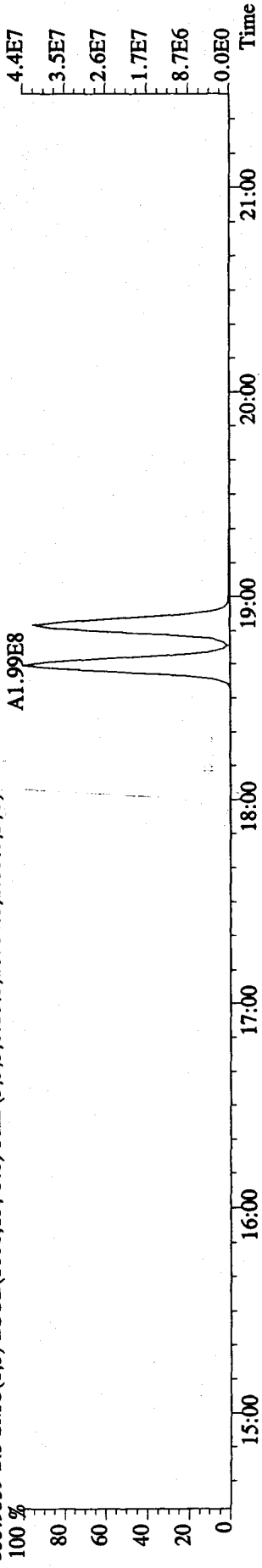
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)



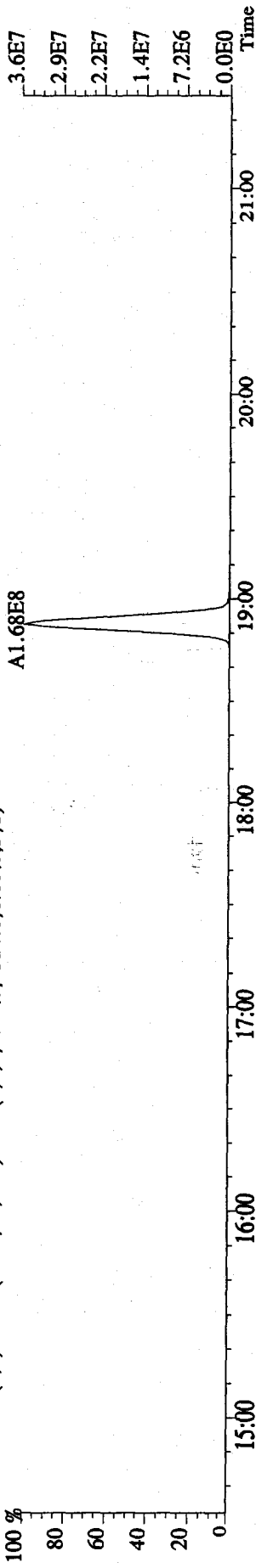
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)



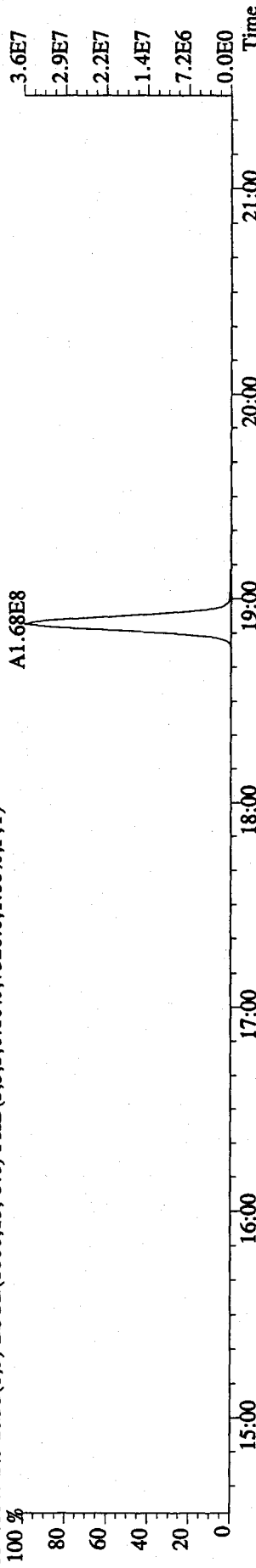
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)



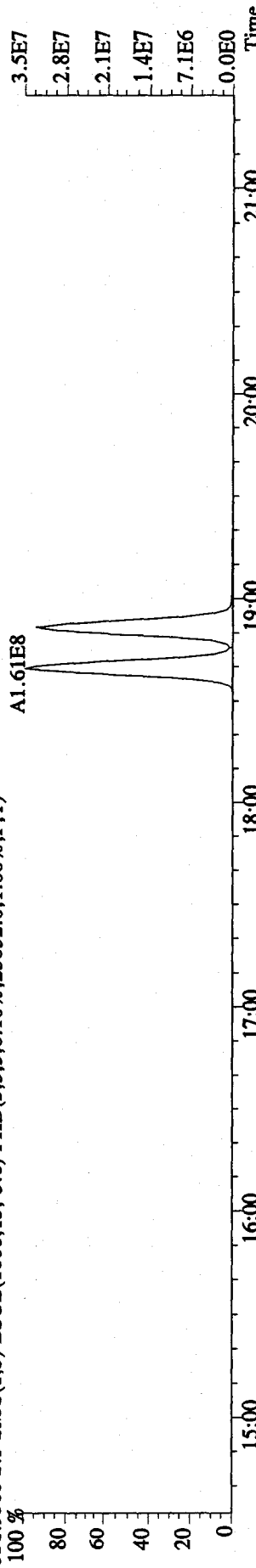
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)  
 100 %



327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)  
 100 %



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)  
 100 %



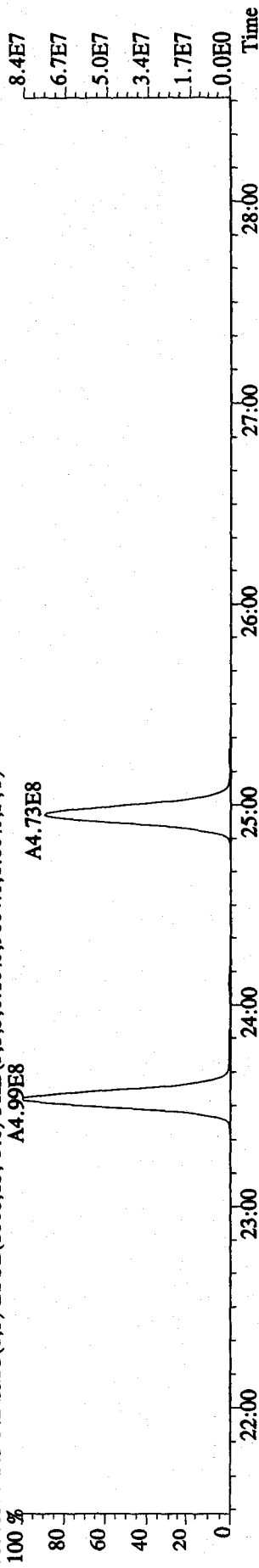
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)  
 100 %

File:3IDE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

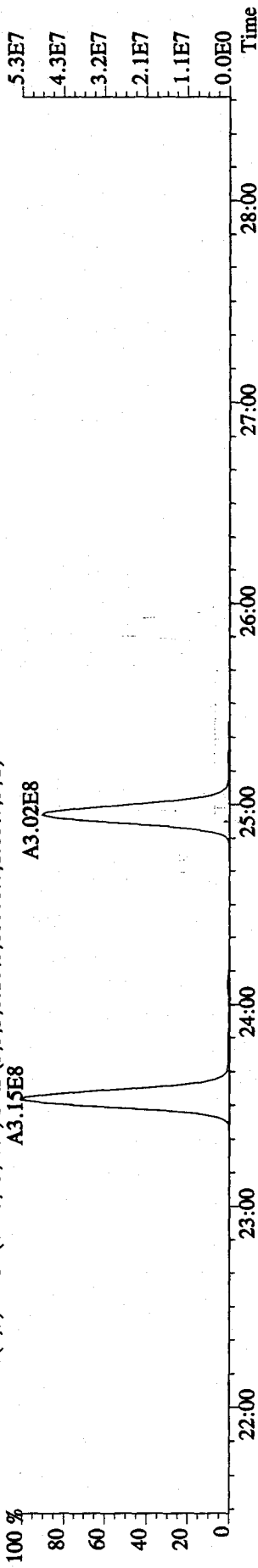
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10060.0,1.00%,F,T)

100 % A4.99E8



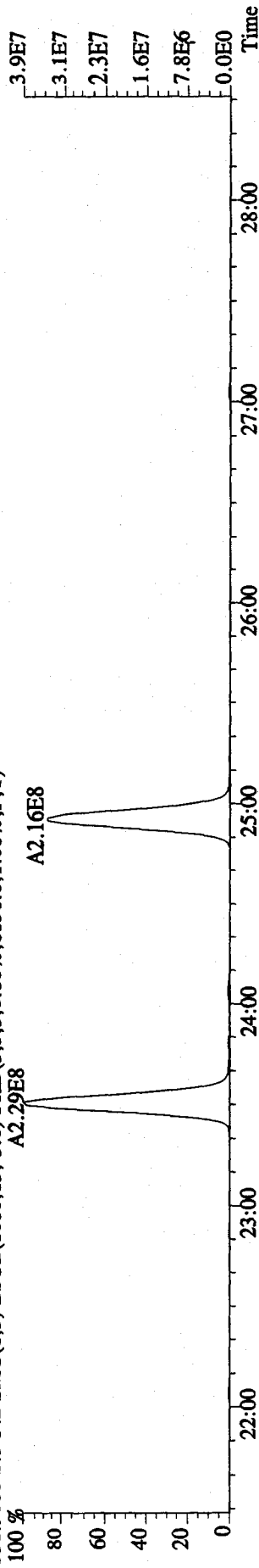
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10060.0,1.00%,F,T)

100 % A3.15E8



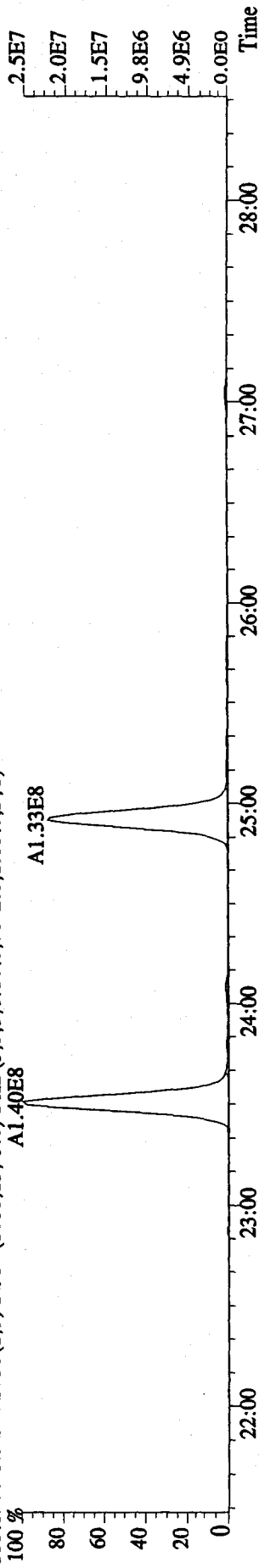
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8136.0,1.00%,F,T)

100 % A2.29E8



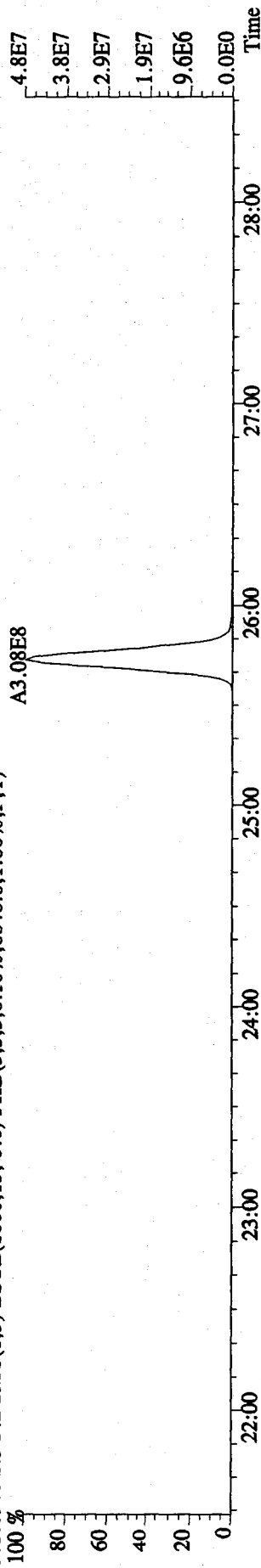
353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)

100 % A1.40E8

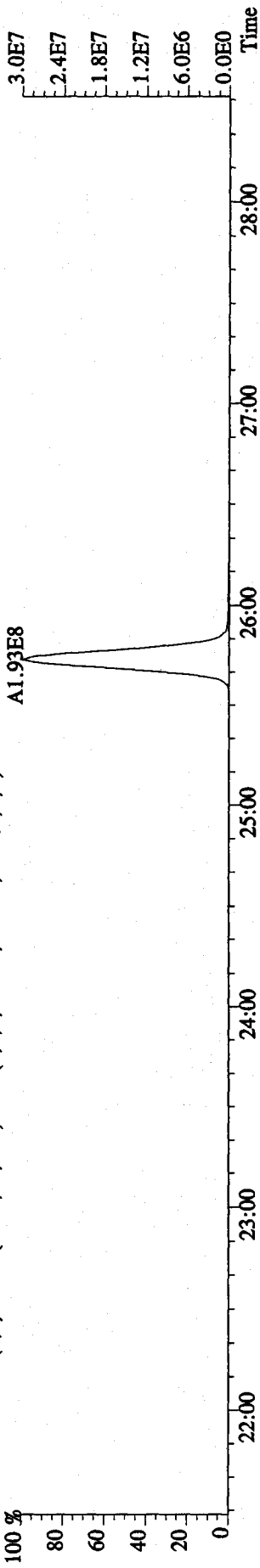




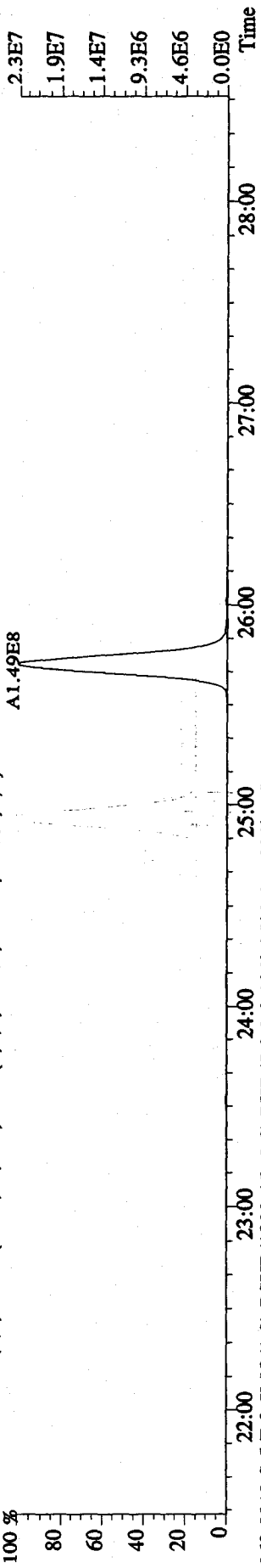
File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6848.0,1.00%,F,T)



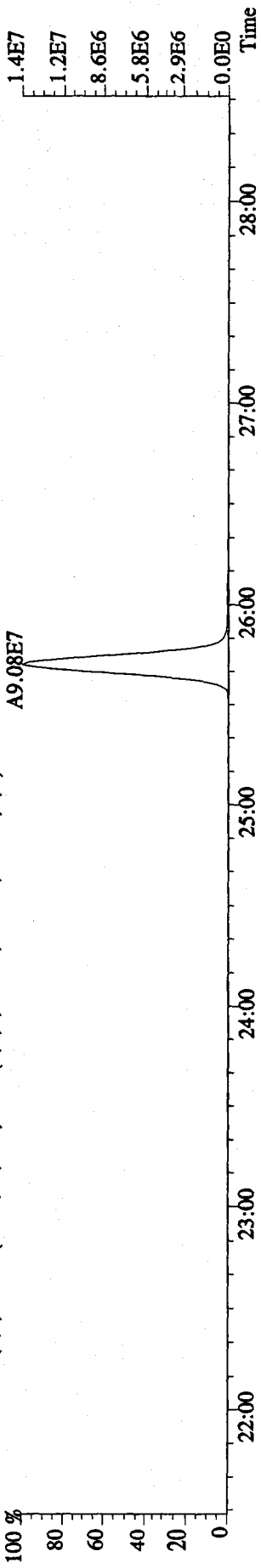
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5776.0,1.00%,F,T)



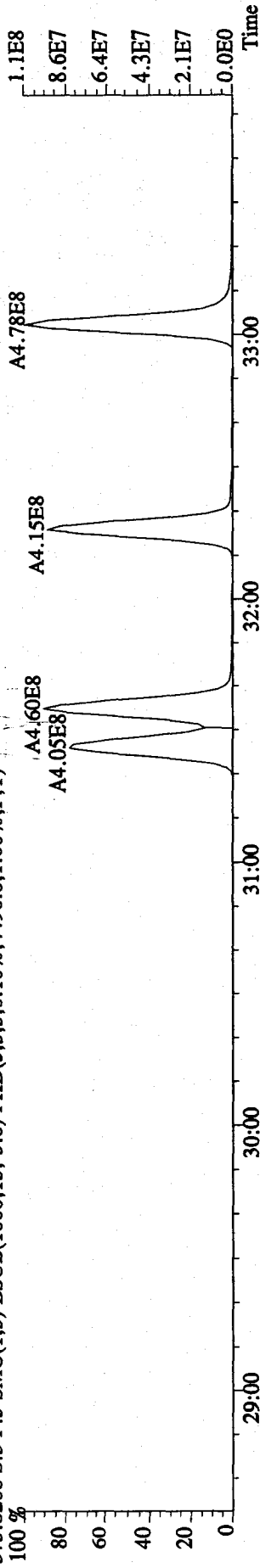
369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3500.0,1.00%,F,T)



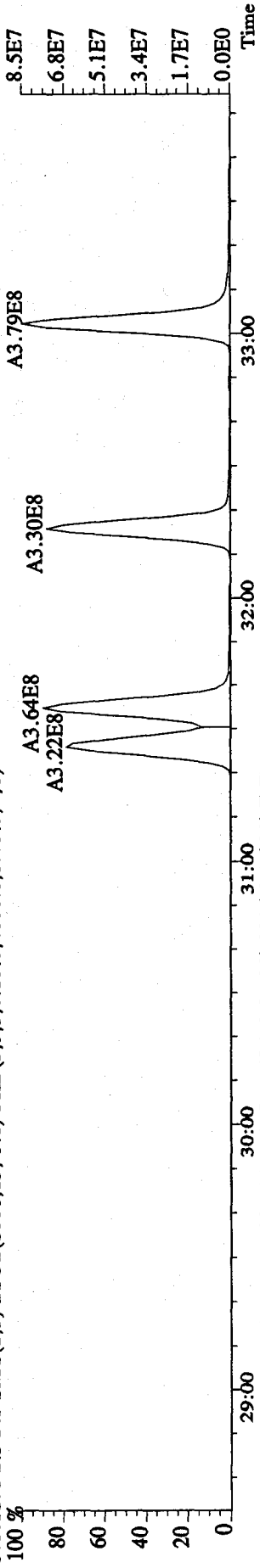
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

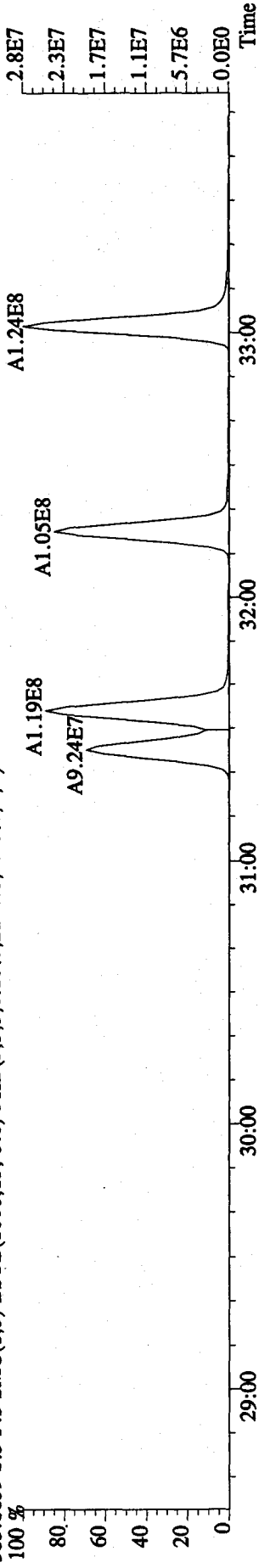
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



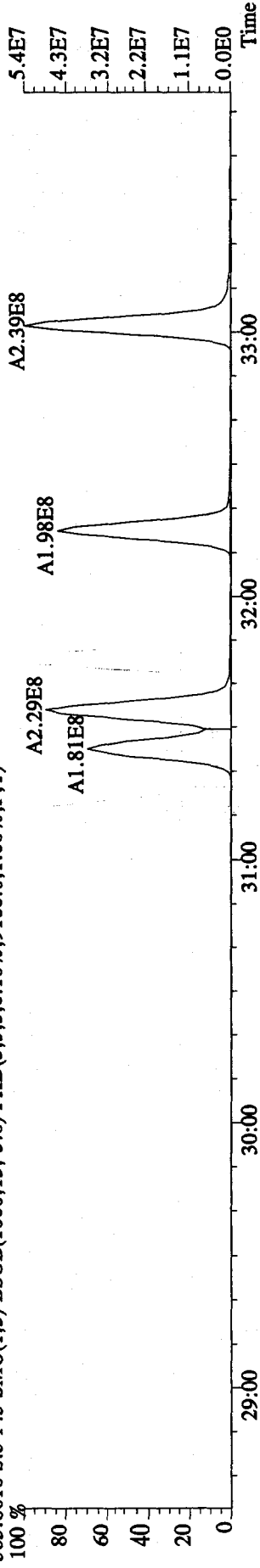
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



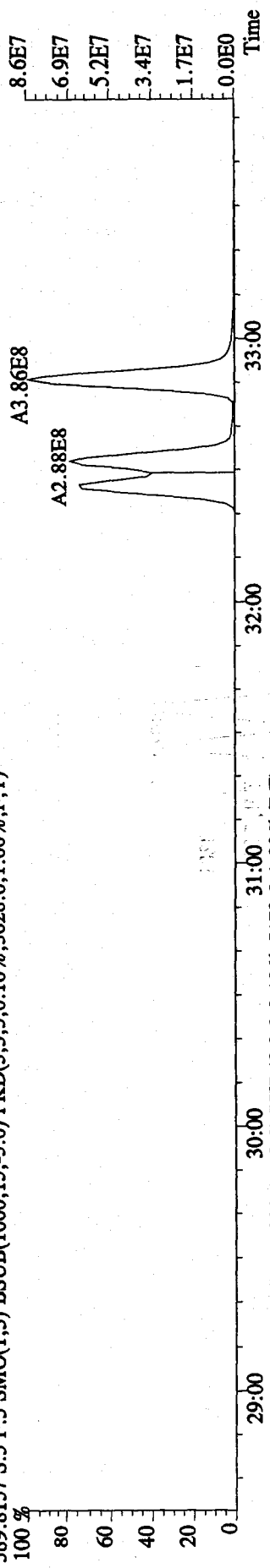
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



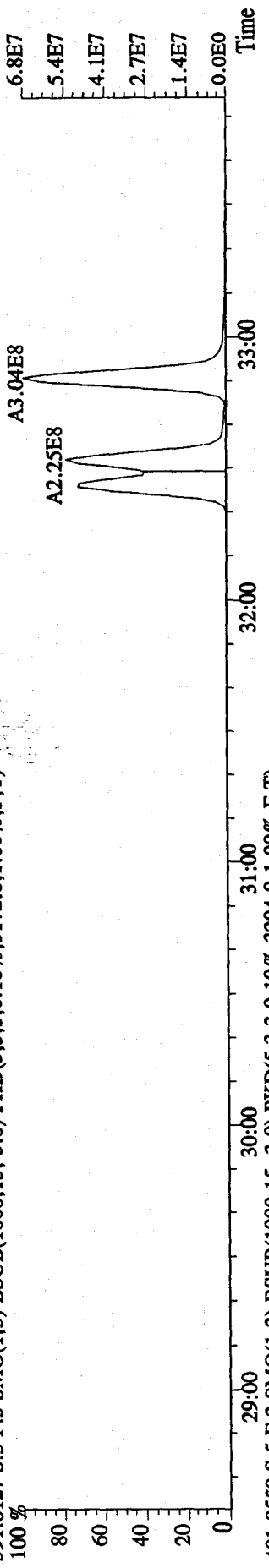
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9160.0,1.00%,F,T)



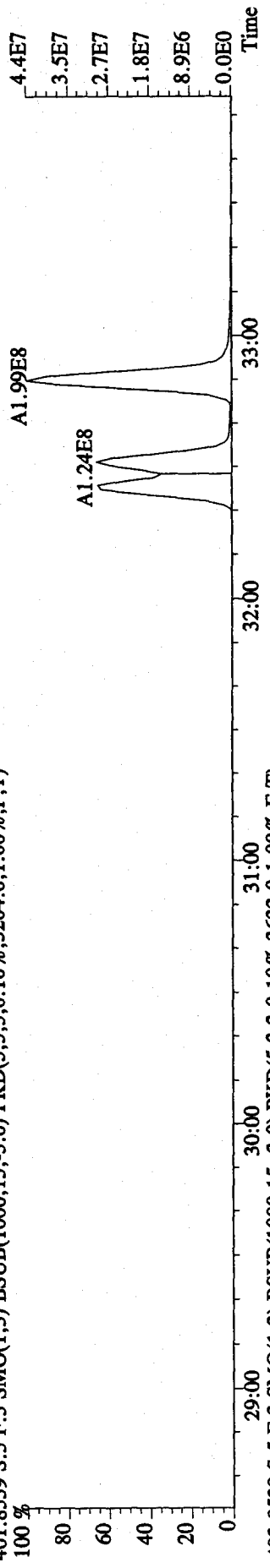
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)



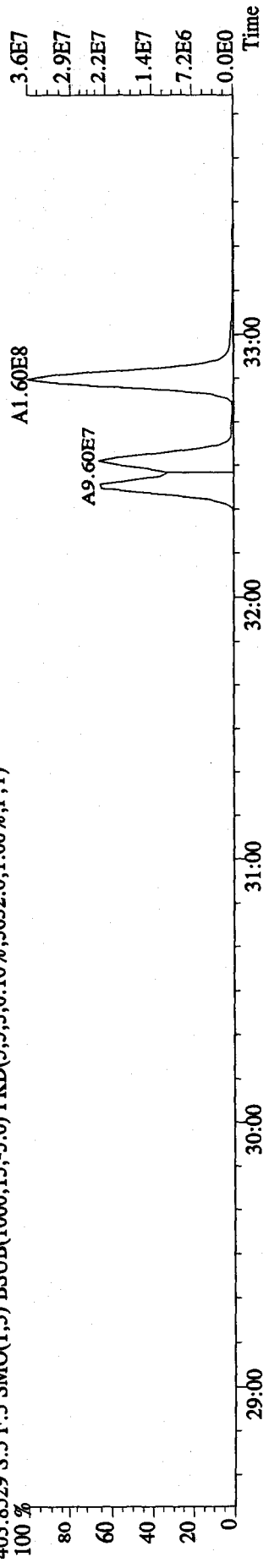
391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5172.0,1.00%,F,T)



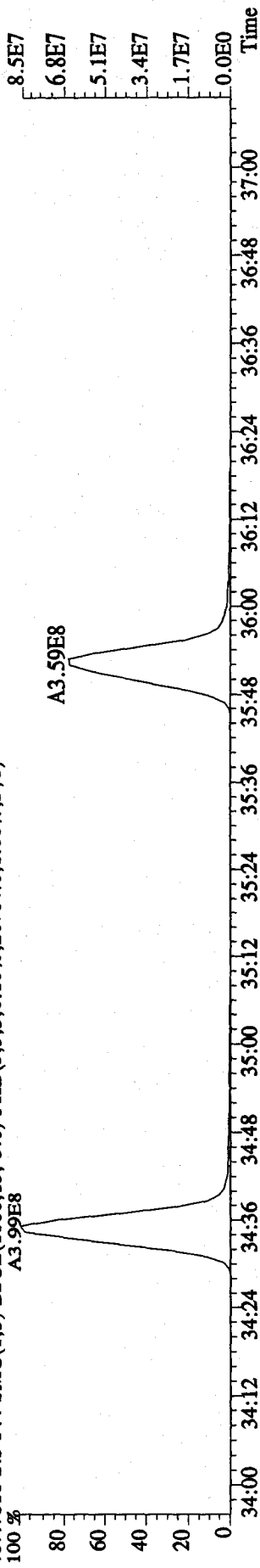
401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3204.0,1.00%,F,T)



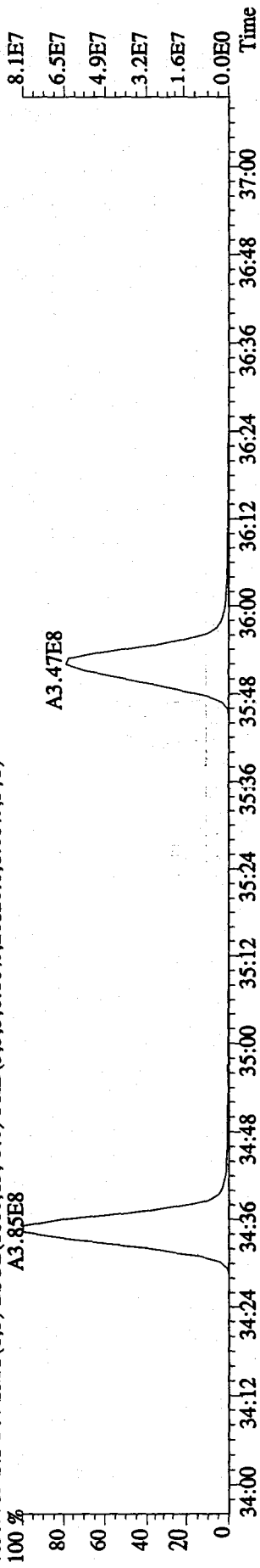
403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3632.0,1.00%,F,T)



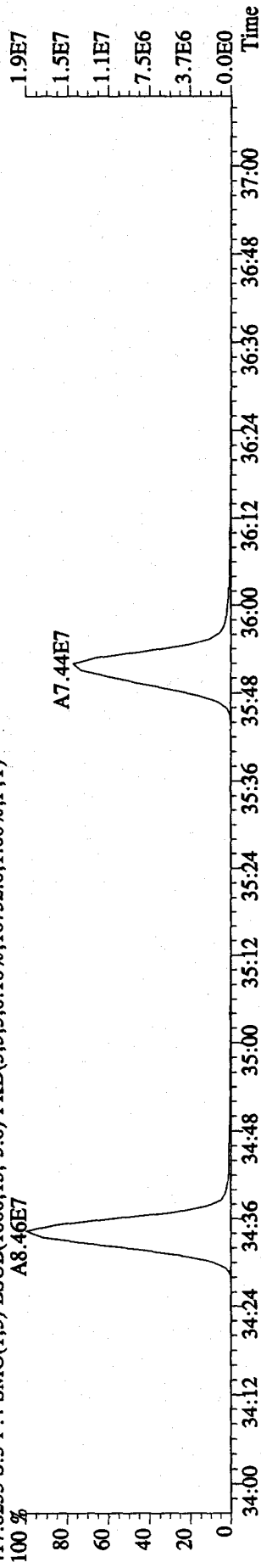
File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN  
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,26764.0,1.00%,F,T)  
 100 % A3.99E8



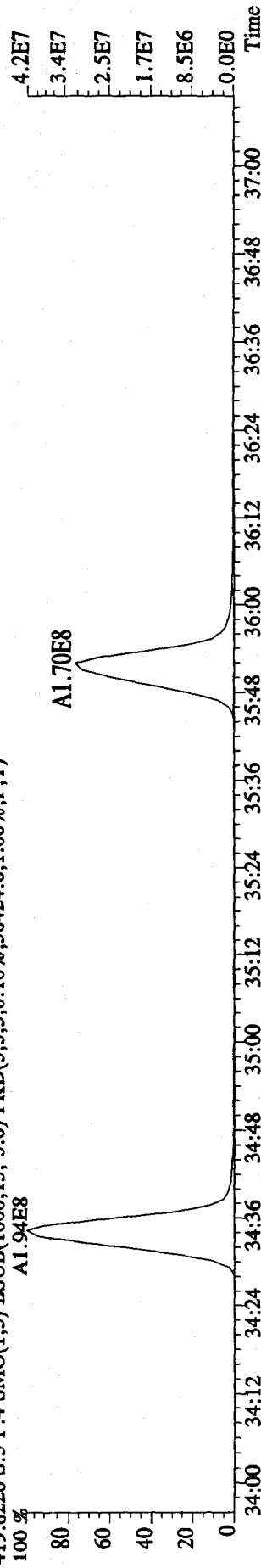
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,26820.0,1.00%,F,T)  
 100 % A3.85E8



417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,16732.0,1.00%,F,T)  
 100 % A8.46E7



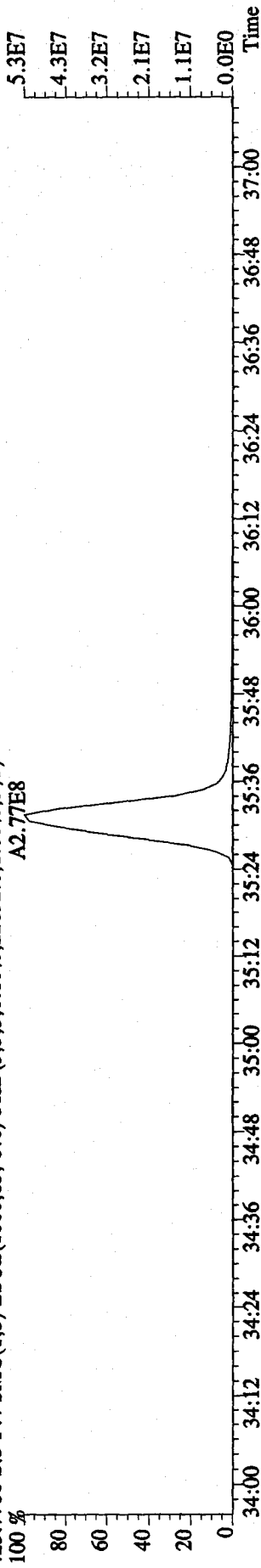
419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,30424.0,1.00%,F,T)  
 100 % A1.94E8



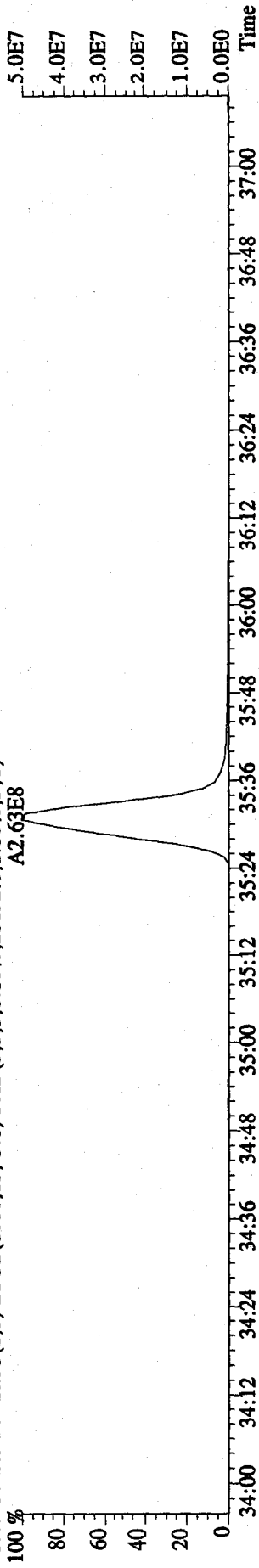
File:31DE09AID5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

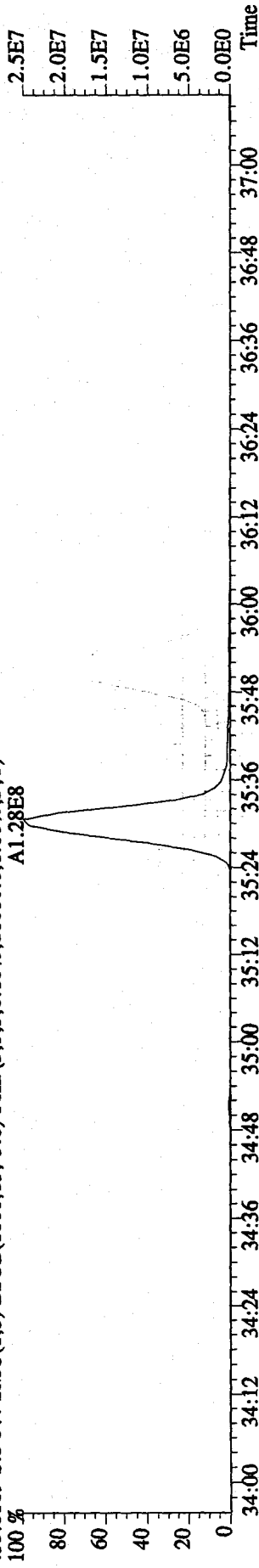
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22832.0,1.00%,F,T)  
A2.77E8



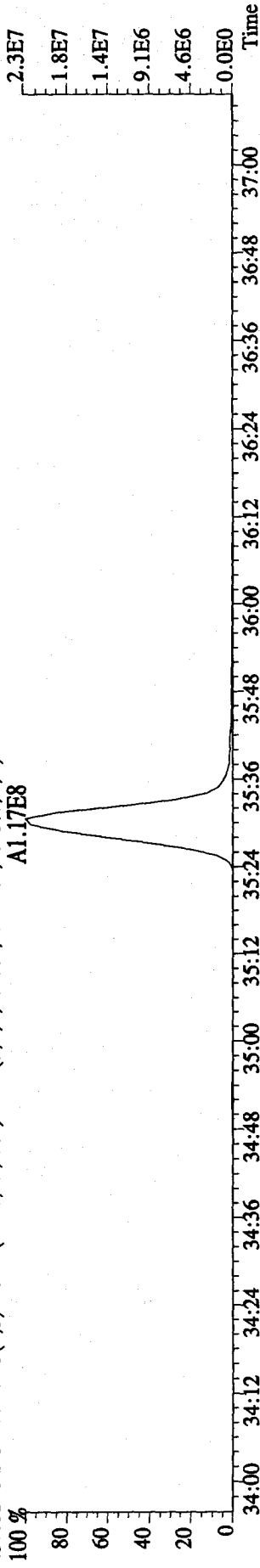
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25192.0,1.00%,F,T)  
A2.63E8



435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16000.0,1.00%,F,T)  
A1.28E8



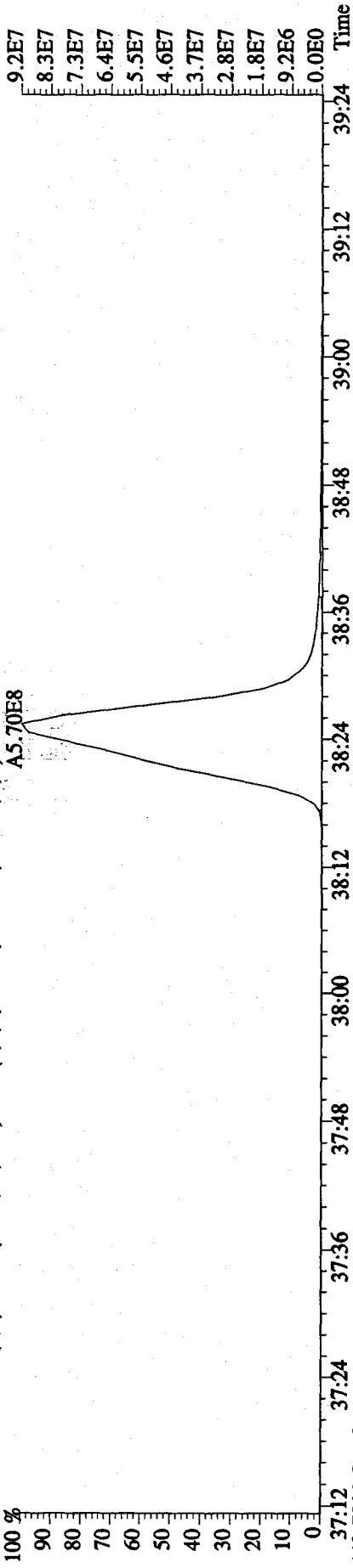
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15700.0,1.00%,F,T)  
A1.17E8



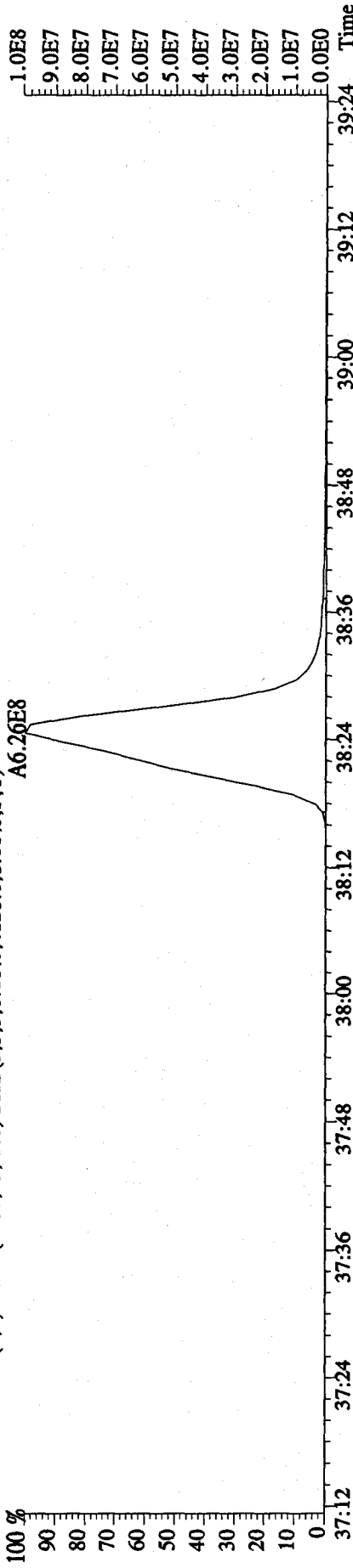
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

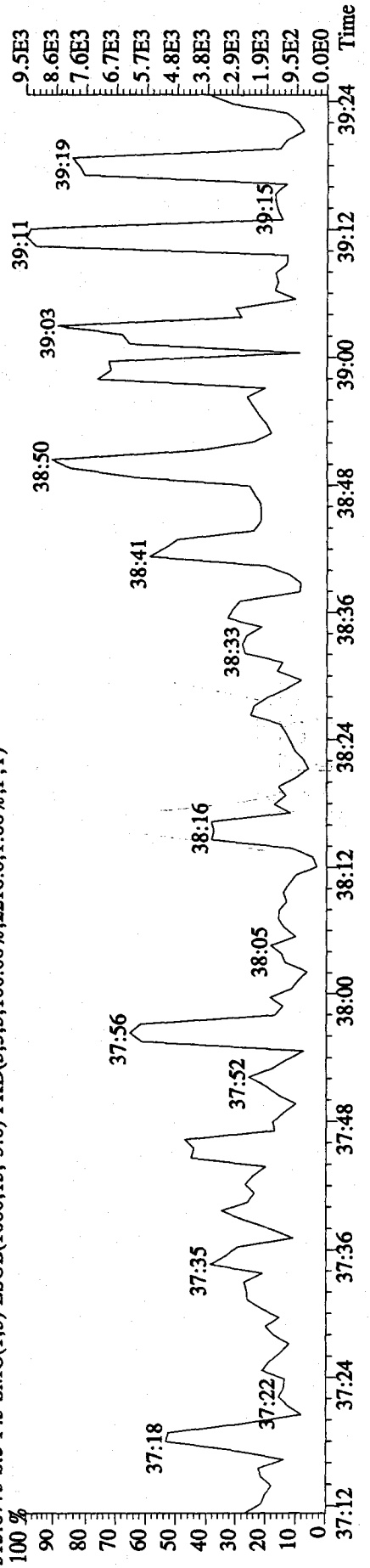
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,32256,0,1.00%,F,T)



443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4128,0,1.00%,F,T)



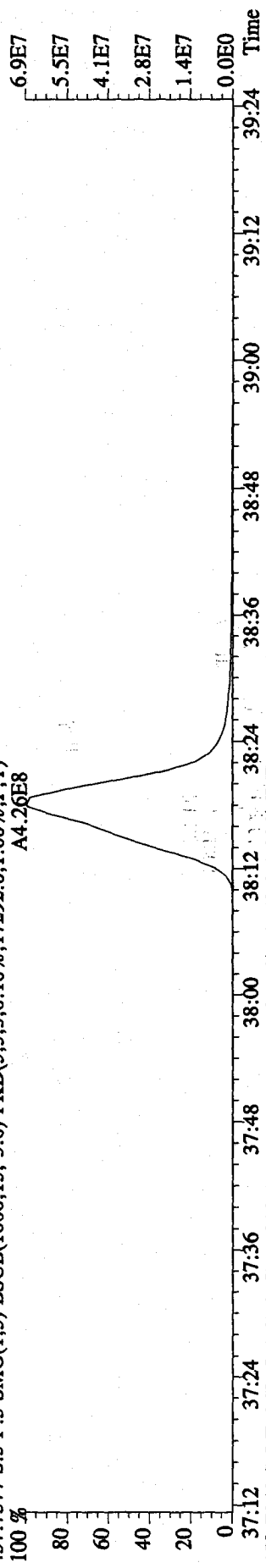
513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100,00%,2216,0,1.00%,F,T)



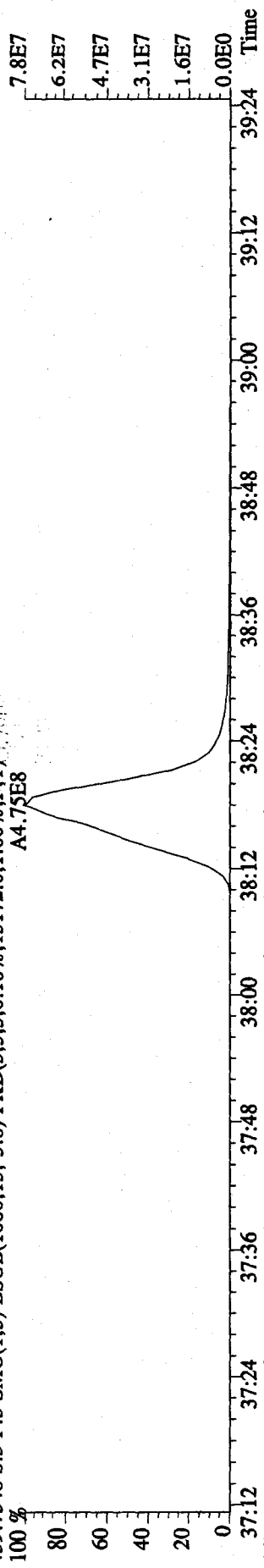
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

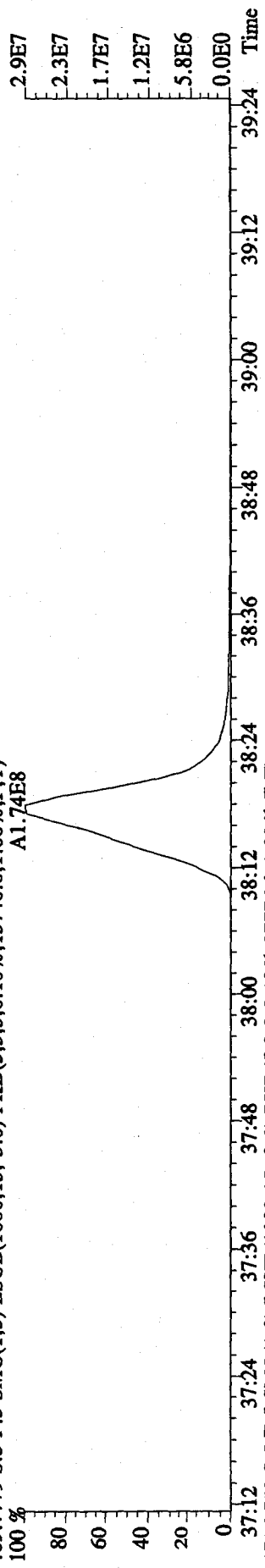
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17292.0,1.00%,F,T)  
A4.26E8



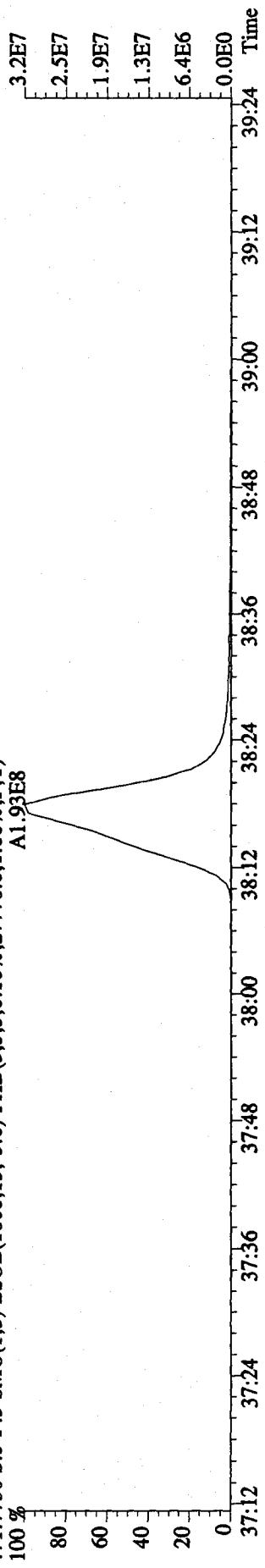
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13172.0,1.00%,F,T)  
A4.75E8



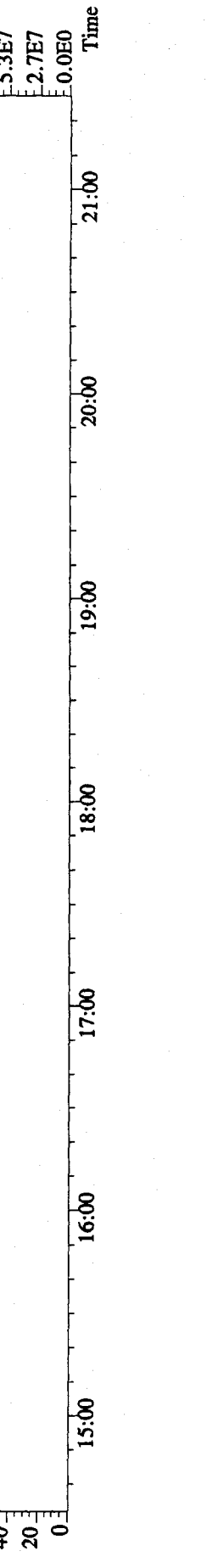
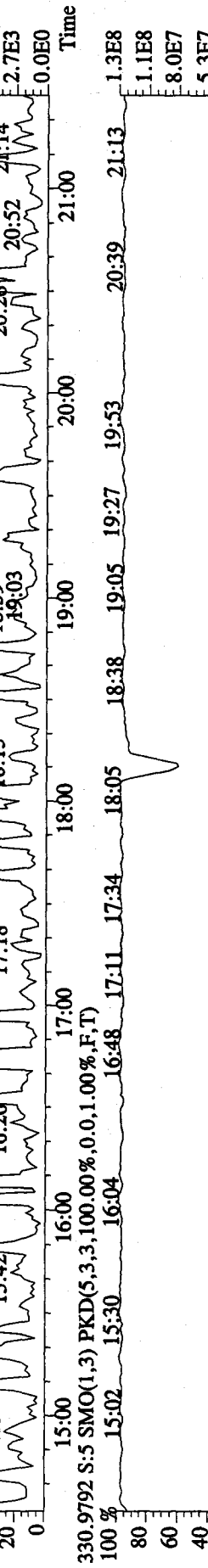
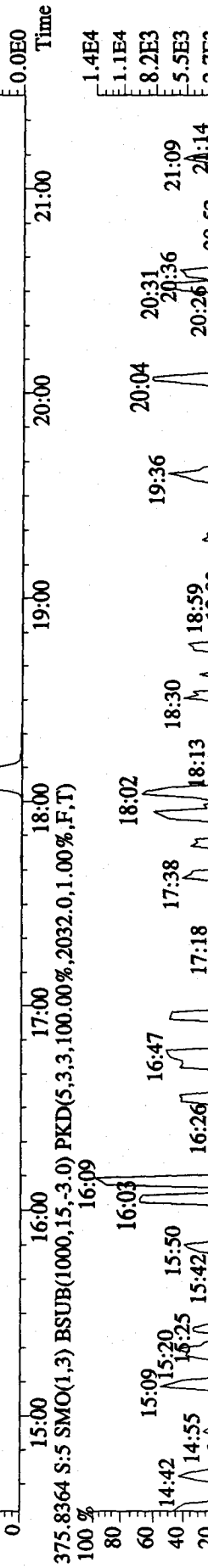
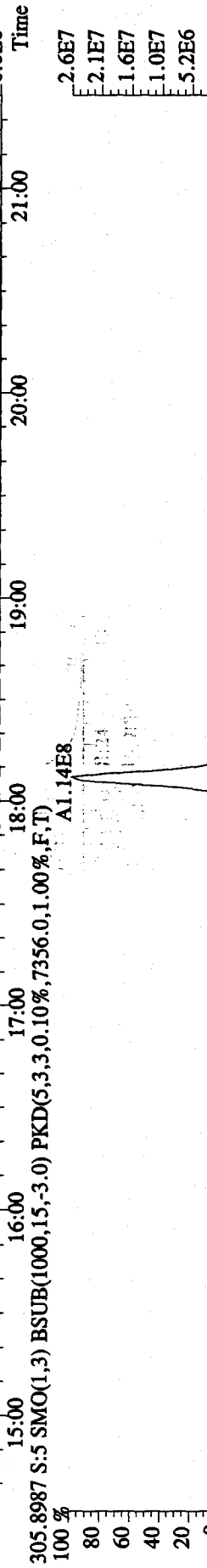
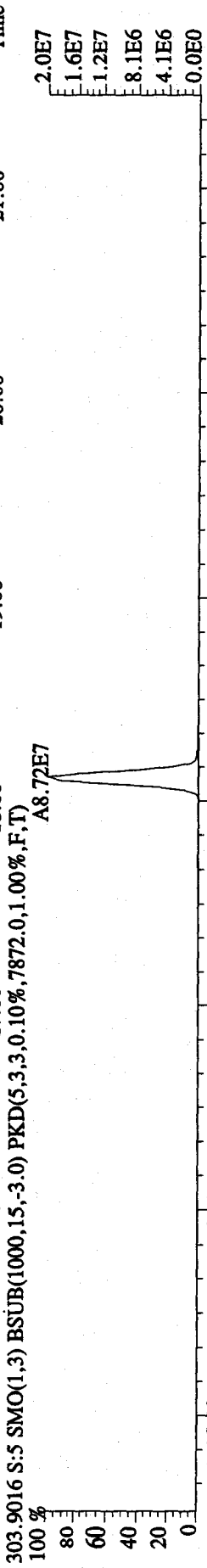
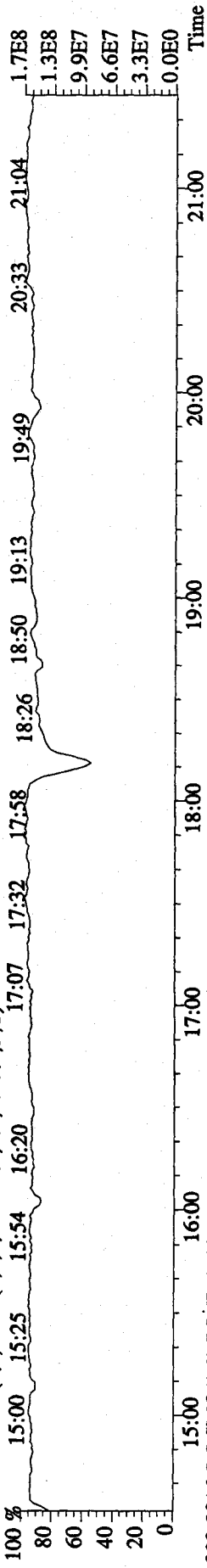
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13740.0,1.00%,F,T)  
A1.74E8



471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27776.0,1.00%,F,T)  
A1.93E8



File: 3 IDE09AID5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN  
 292.9825 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



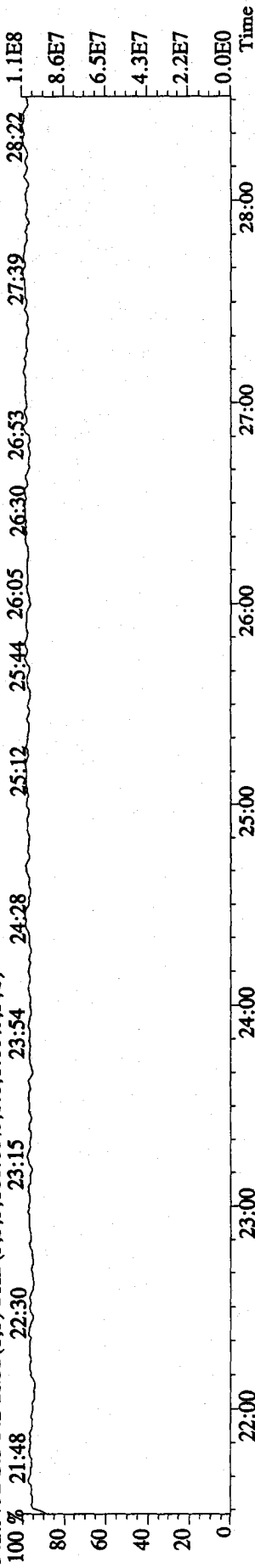


File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

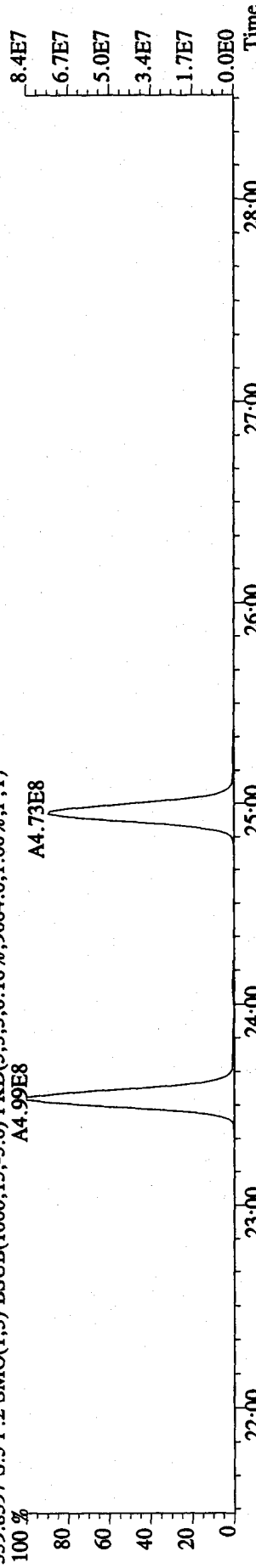
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

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

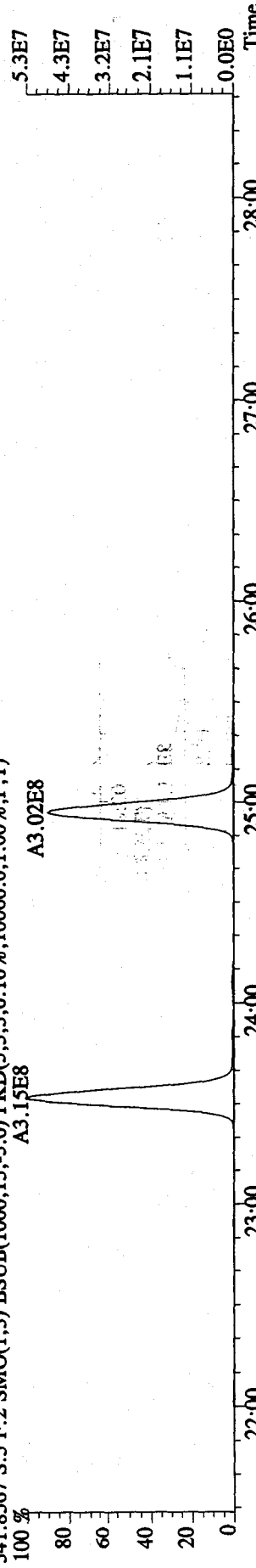
100 % 21:48 22:30 23:15 23:54 24:28 25:12 25:44 26:05 26:30 26:53 27:39 28:22



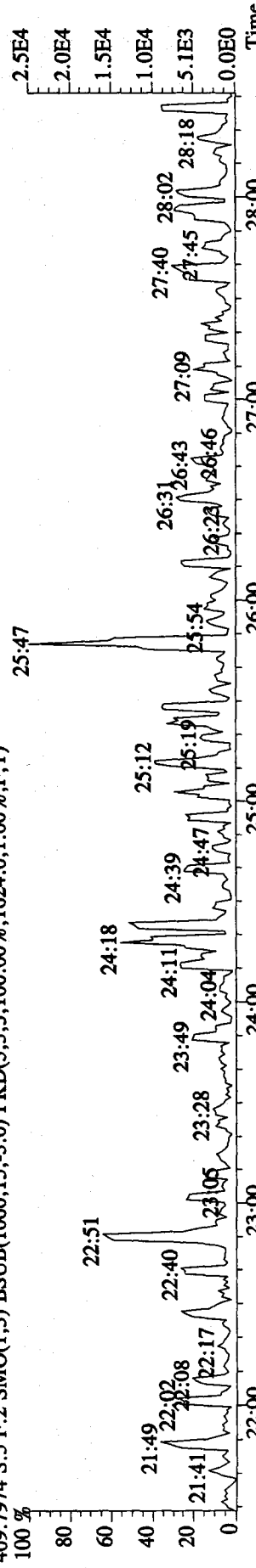
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9004.0,1.00%,F,T)



341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10060.0,1.00%,F,T)



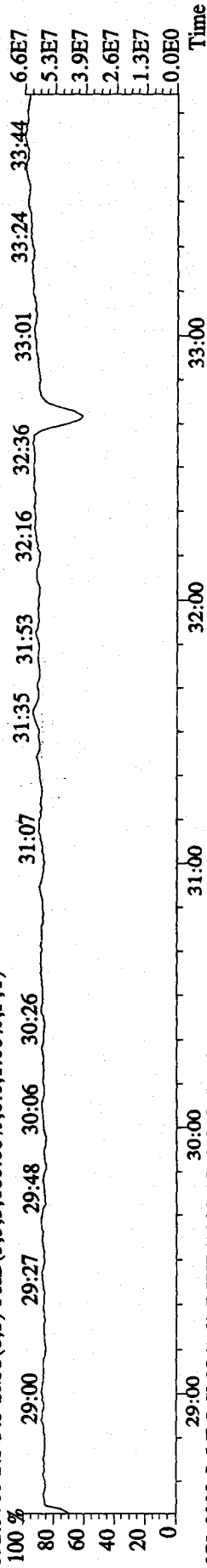
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1624.0,1.00%,F,T)



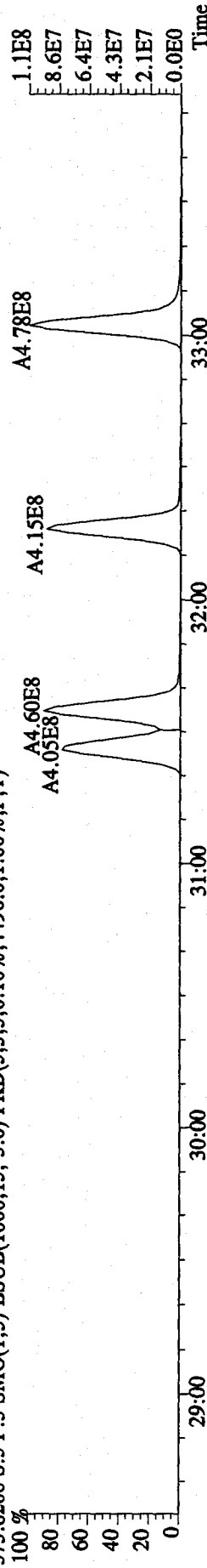
File: 31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN

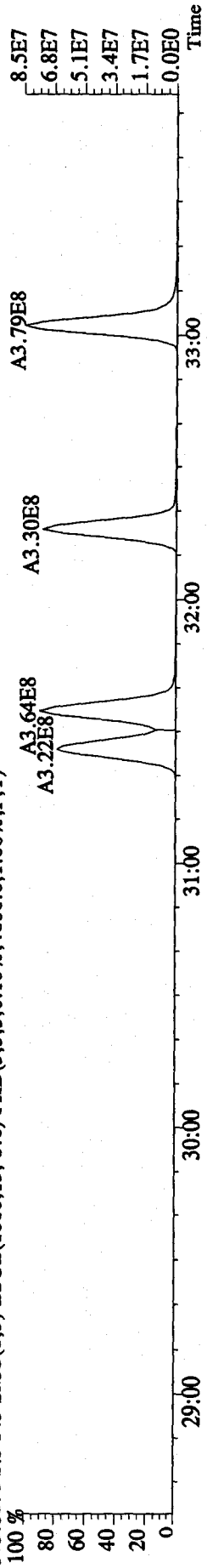
392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



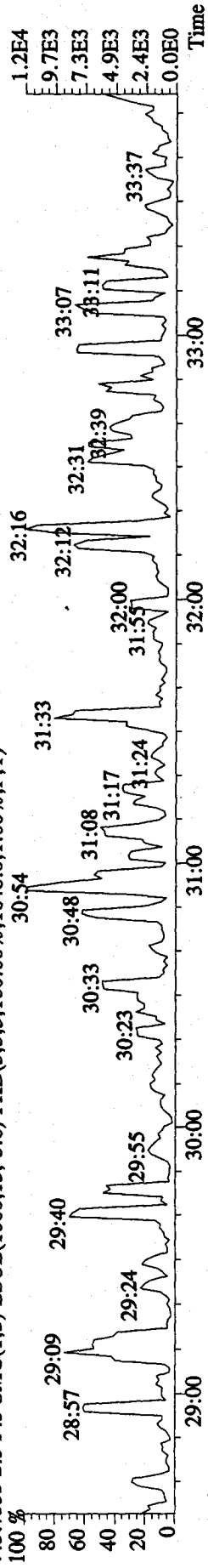
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



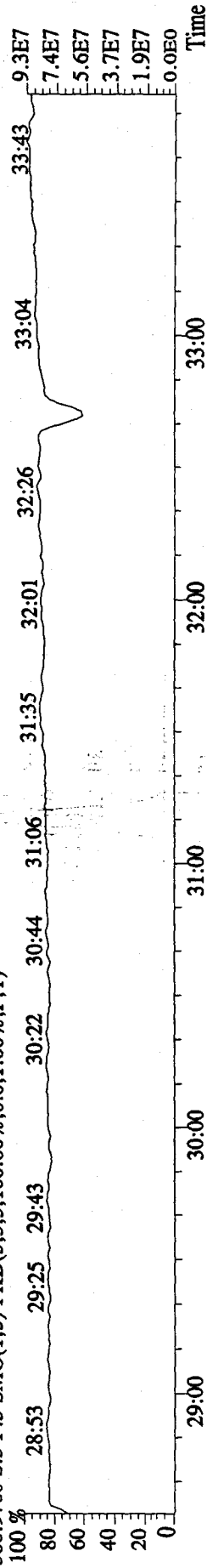
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



445.7555 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1648.0,1.00%,F,T)



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

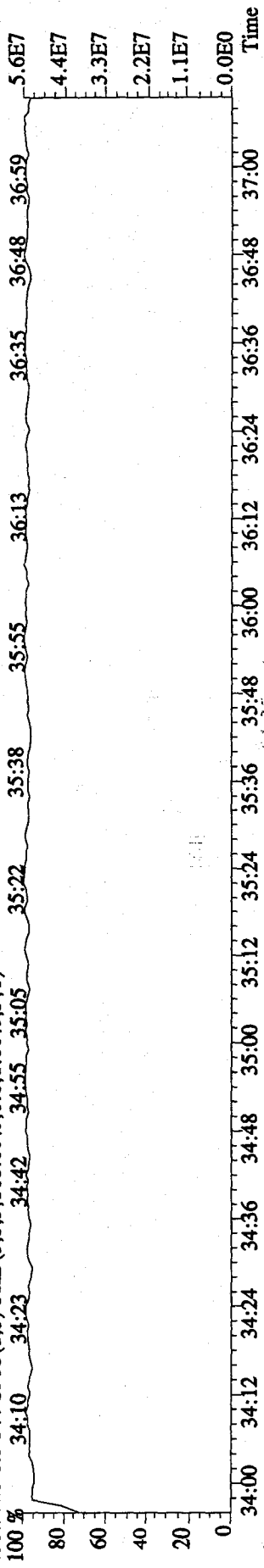


File:3IDE09AID5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

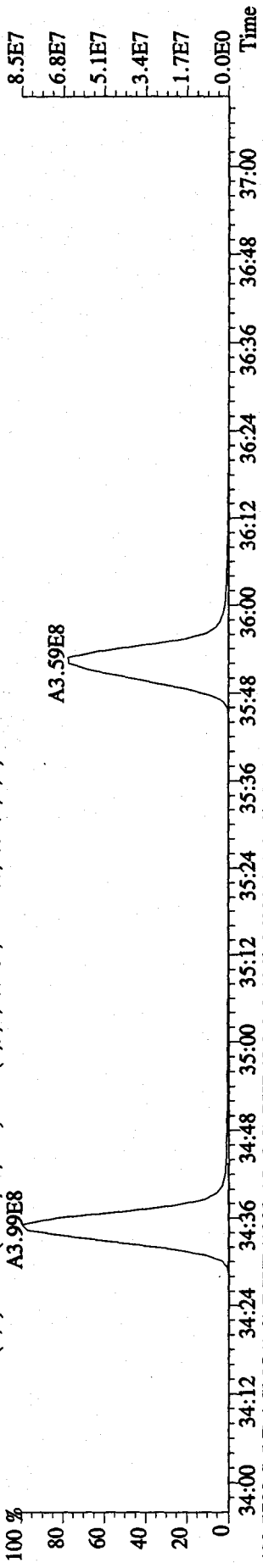
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



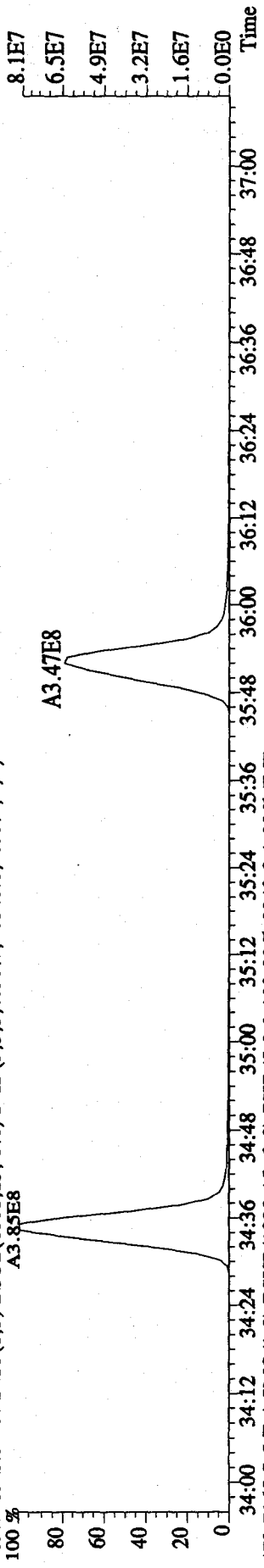
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26764.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



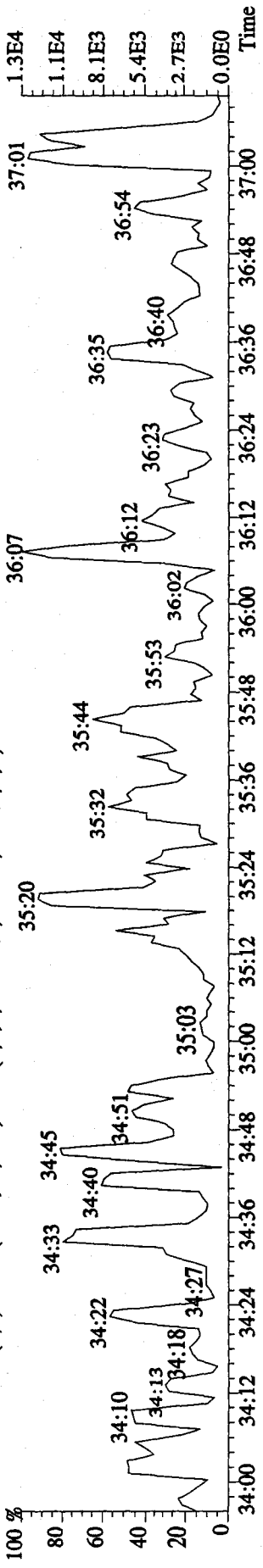
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26820.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2340.0,1.00%,F,T)

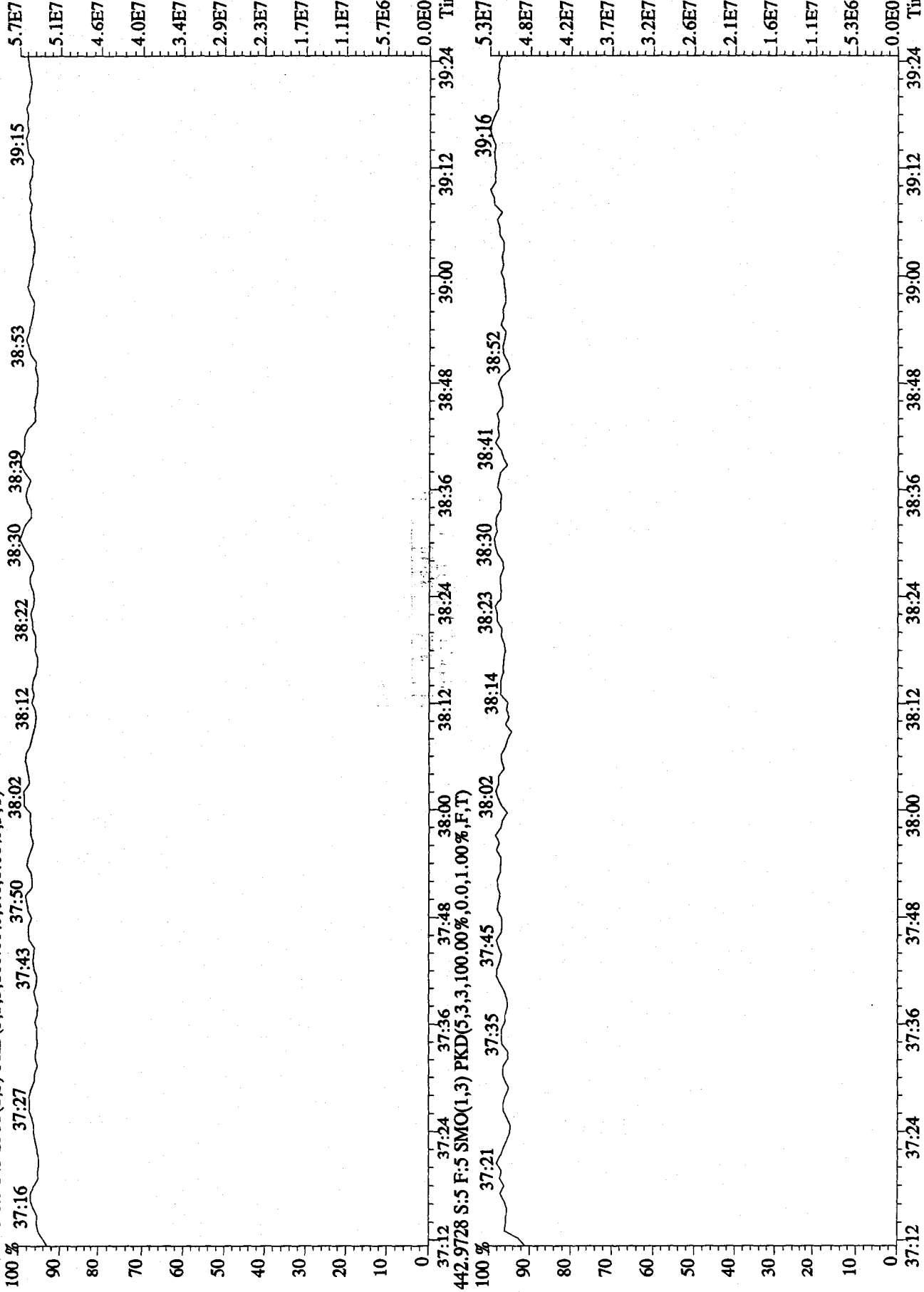
100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



File: 3IDE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

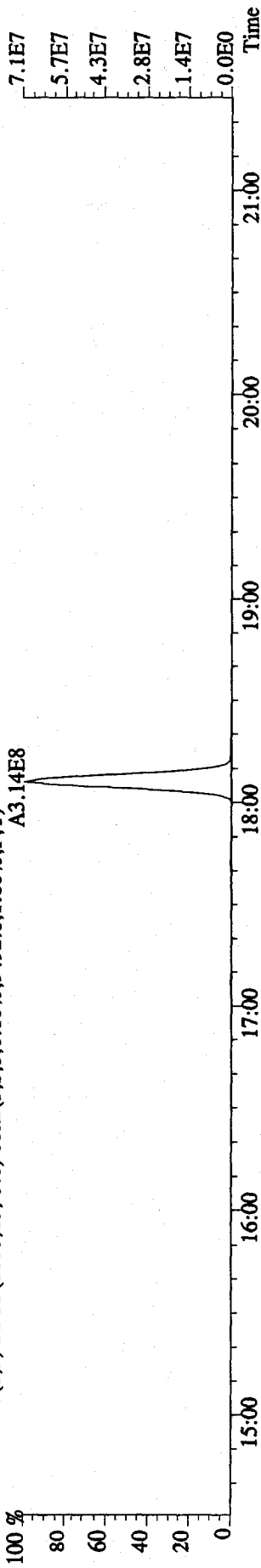
Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN

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

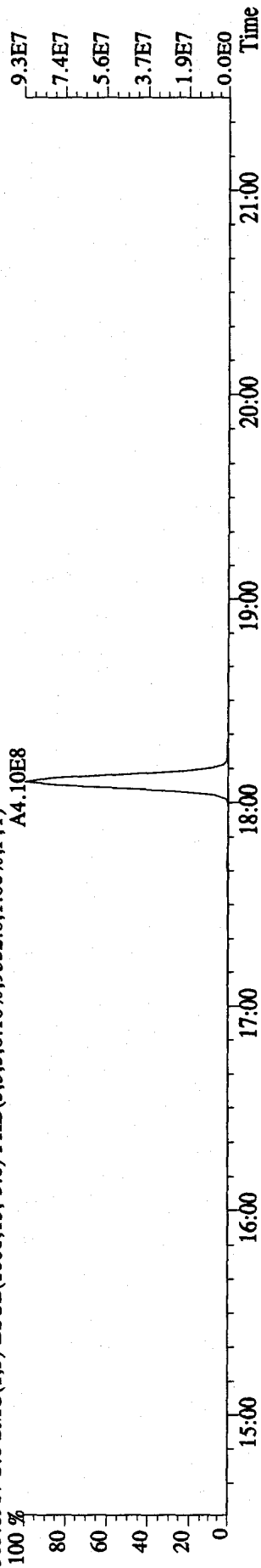


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

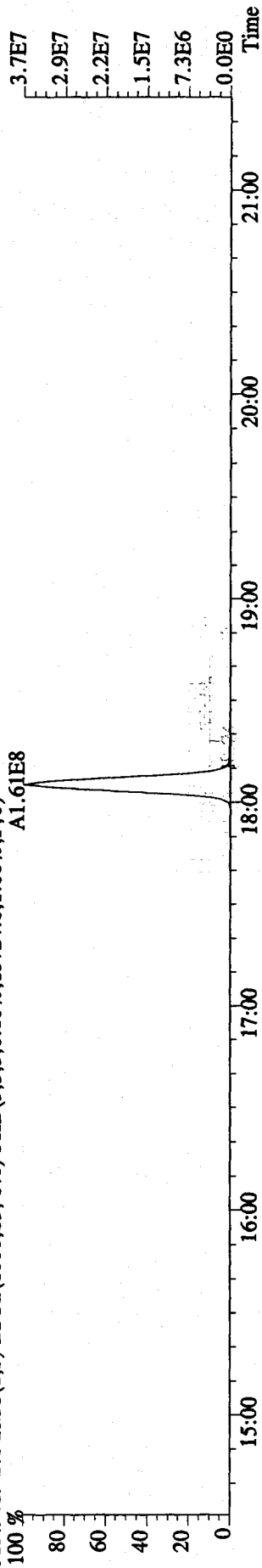
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9492.0,1.00%,F,T)  
A3.14E8



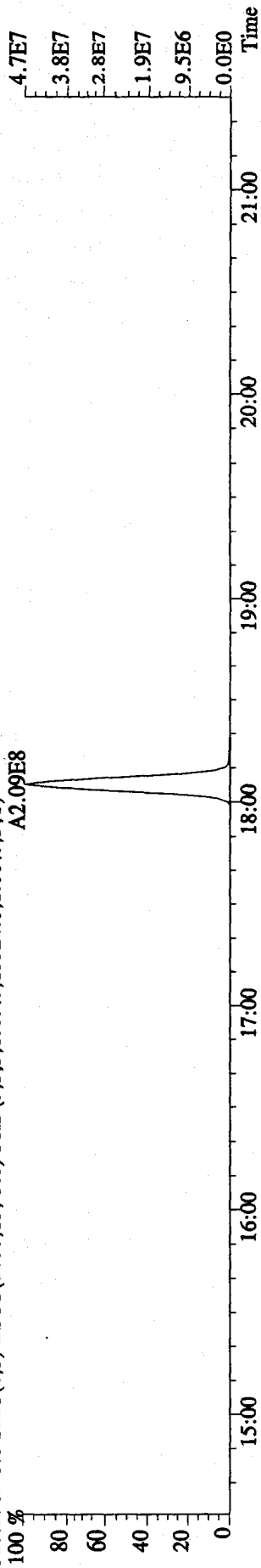
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9552.0,1.00%,F,T)  
A4.10E8



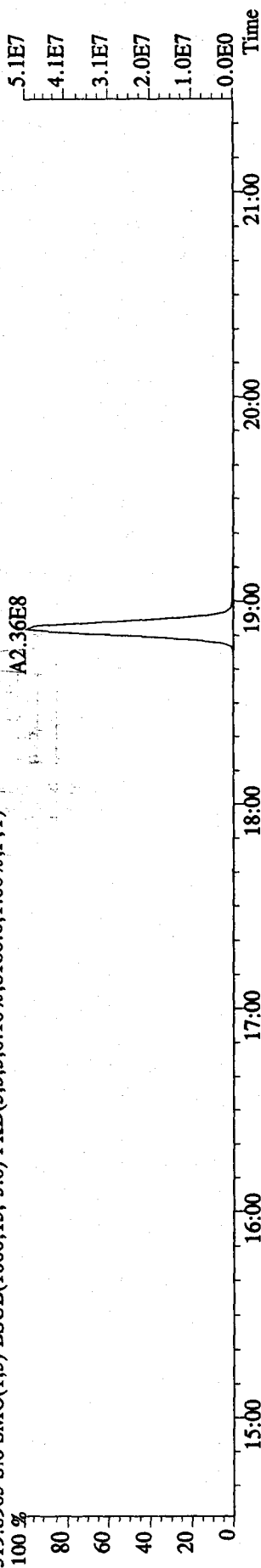
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13724.0,1.00%,F,T)  
A1.61E8



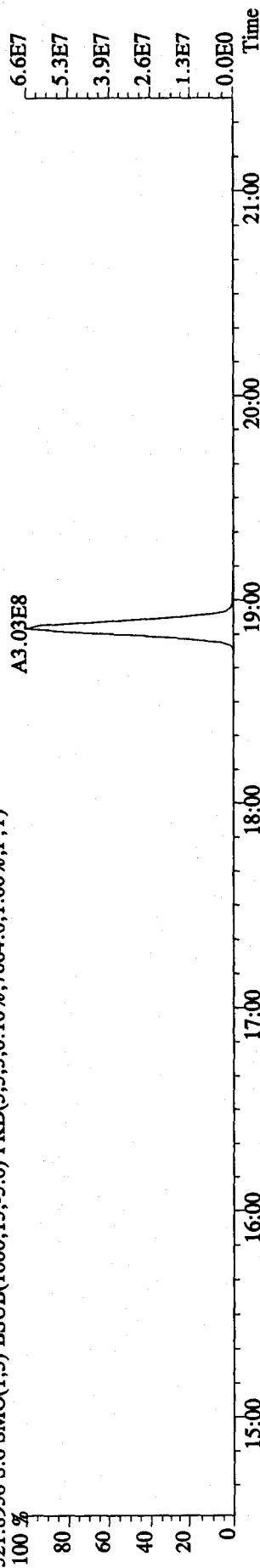
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13324.0,1.00%,F,T)  
A2.09E8



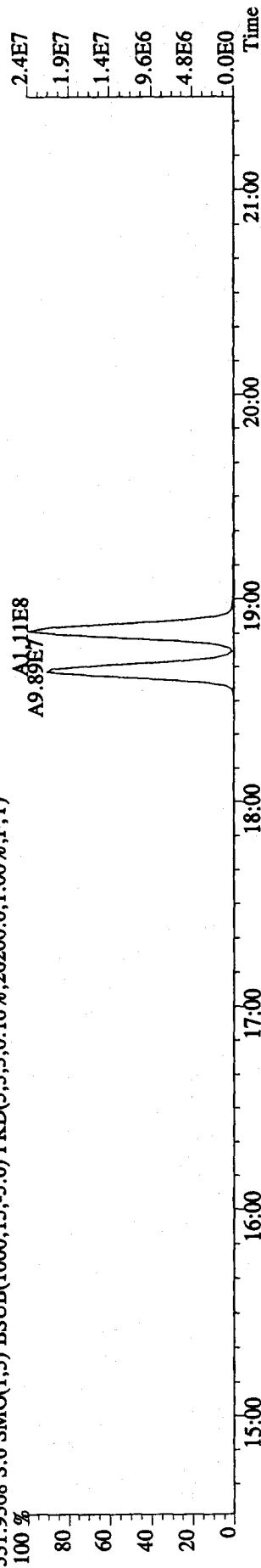
File:31DE09AID5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST123IF :CS-5 09DXN456 Exp:DIOXIN  
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8180.0,1.00%,F,T)



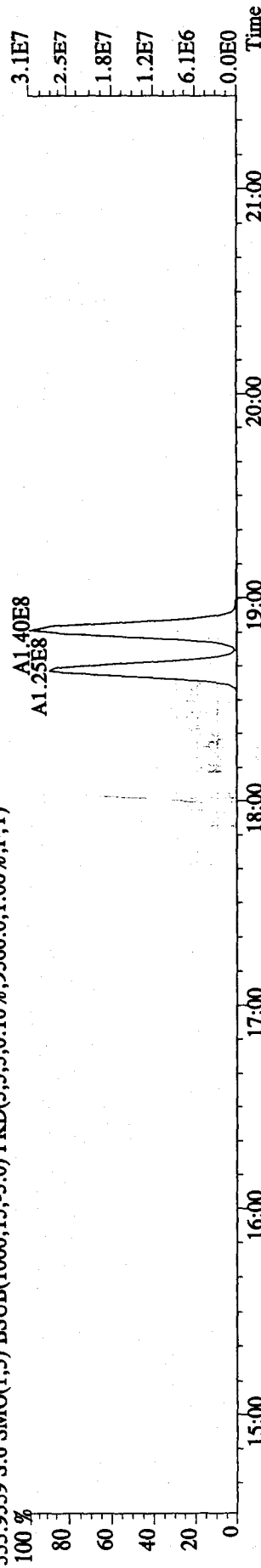
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7864.0,1.00%,F,T)



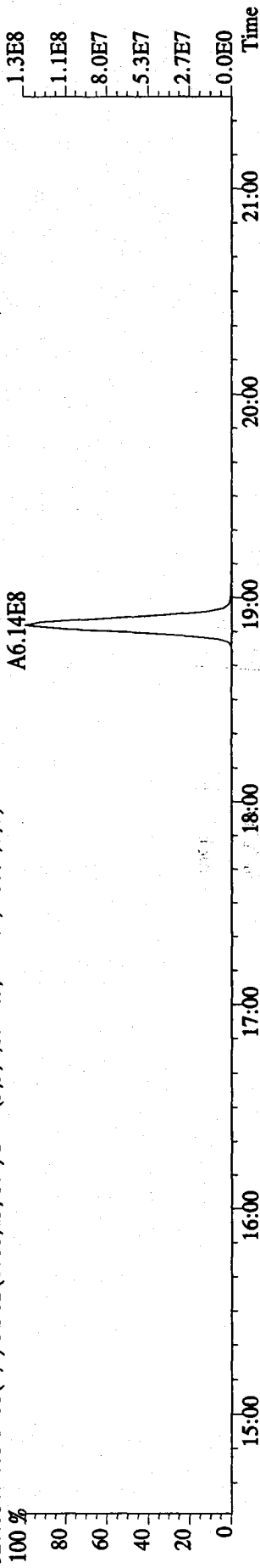
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26200.0,1.00%,F,T)



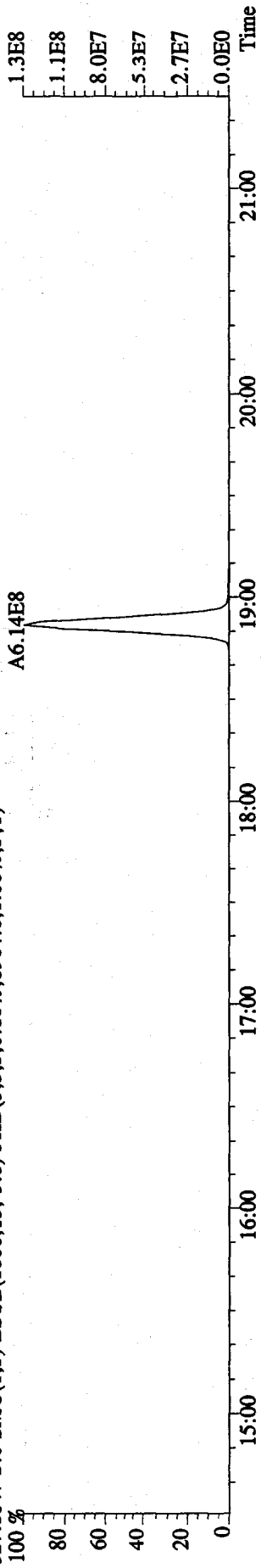
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



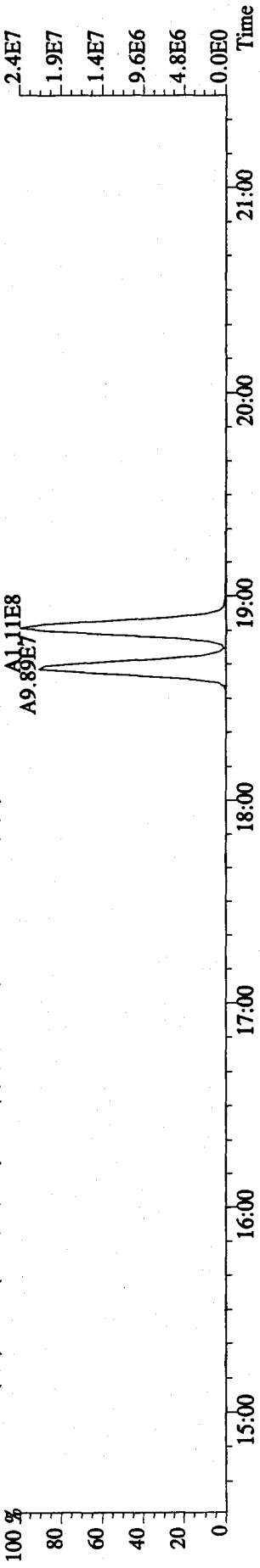
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN  
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8964.0,1.00%,F,T)



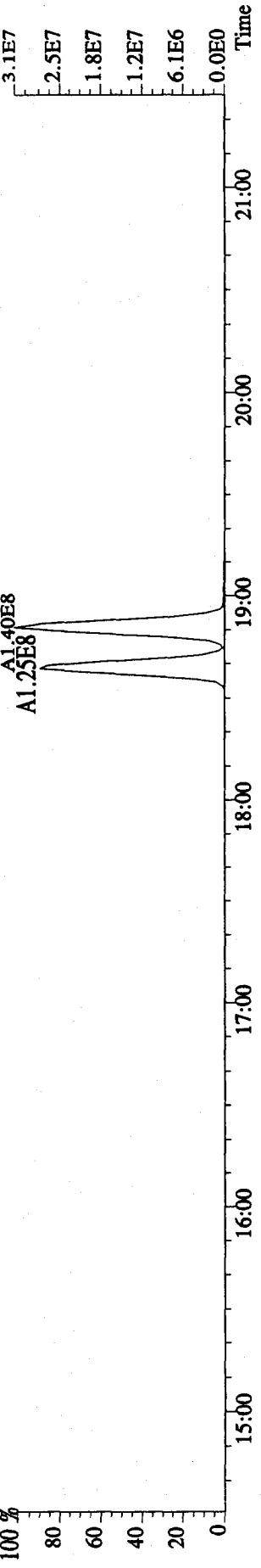
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8964.0,1.00%,F,T)



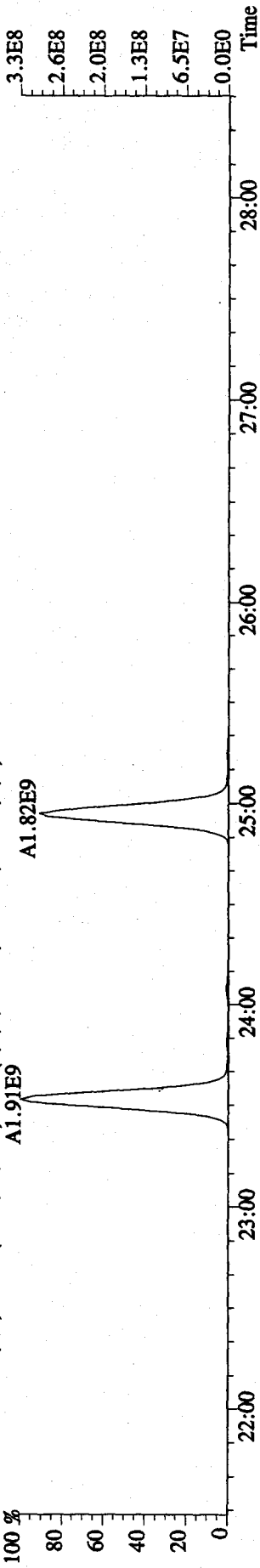
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,26200.0,1.00%,F,T)



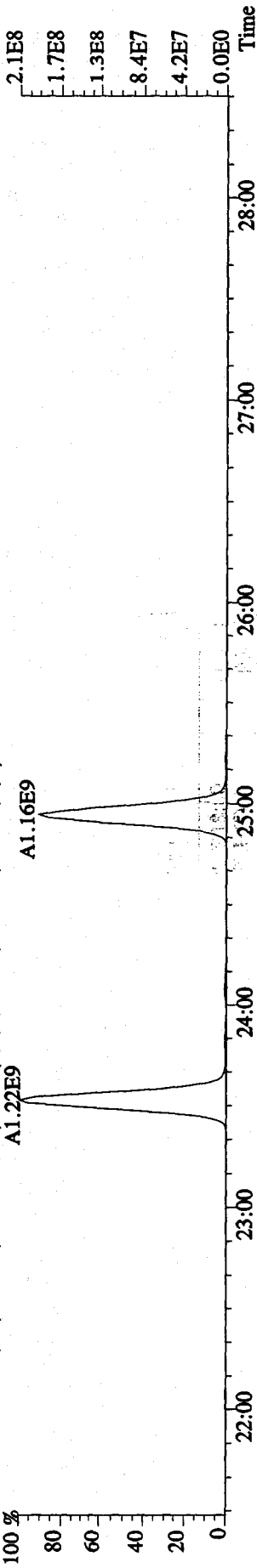
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9560.0,1.00%,F,T)



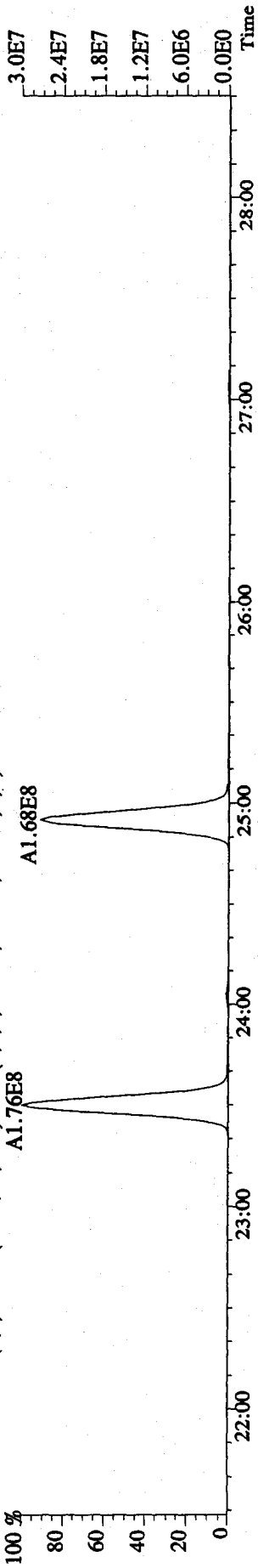
File: 3IDE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN  
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21616,0,1,00%,F,T)  
 100 %



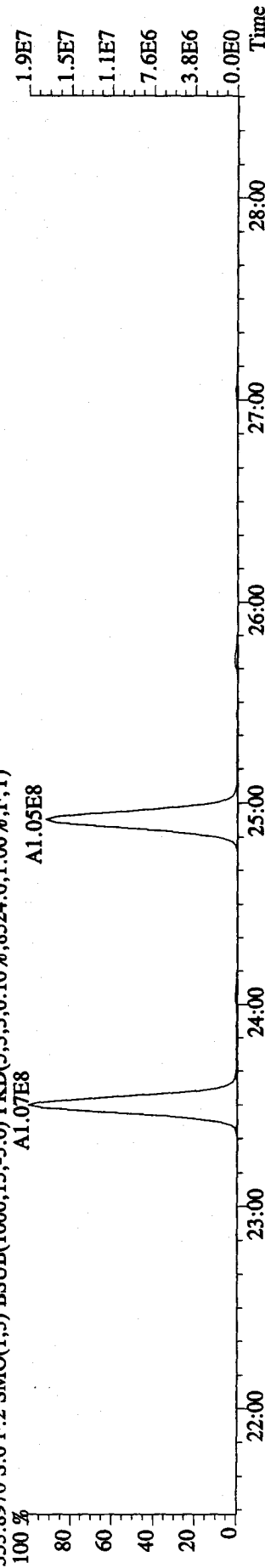
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11104,0,1,00%,F,T)  
 100 %



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)  
 100 %

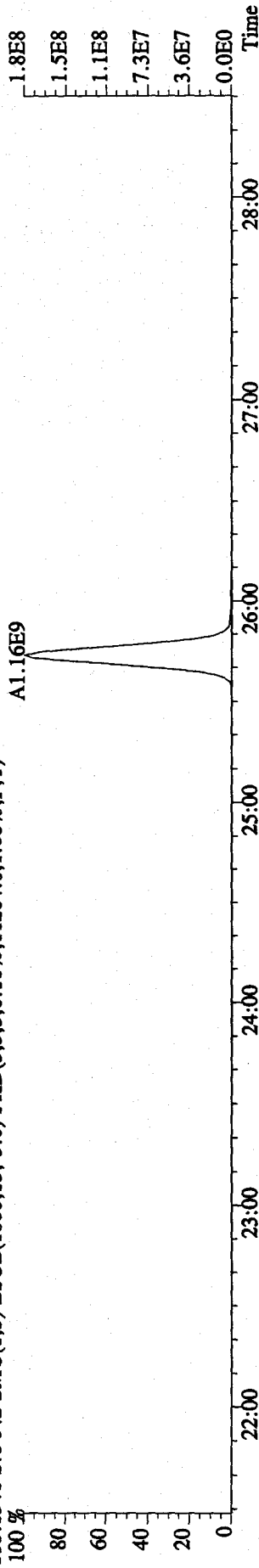


353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8524,0,1,00%,F,T)  
 100 %

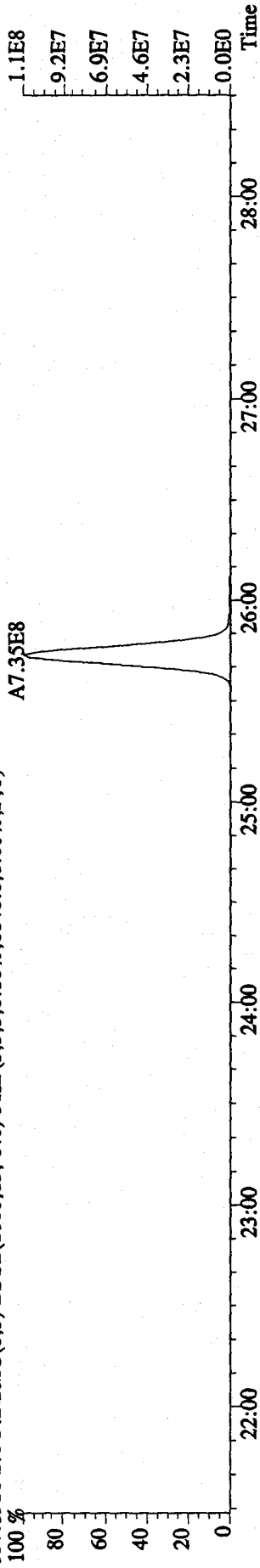




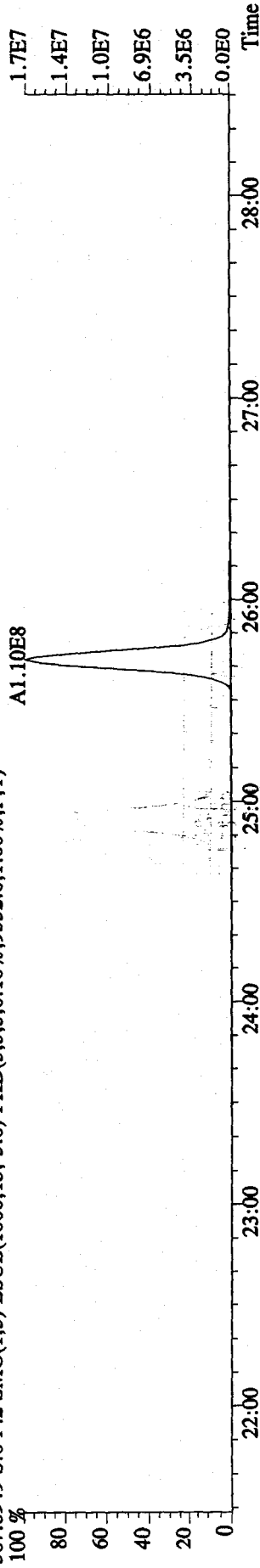
File: 31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN  
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11264,0,1,00%,F,T)



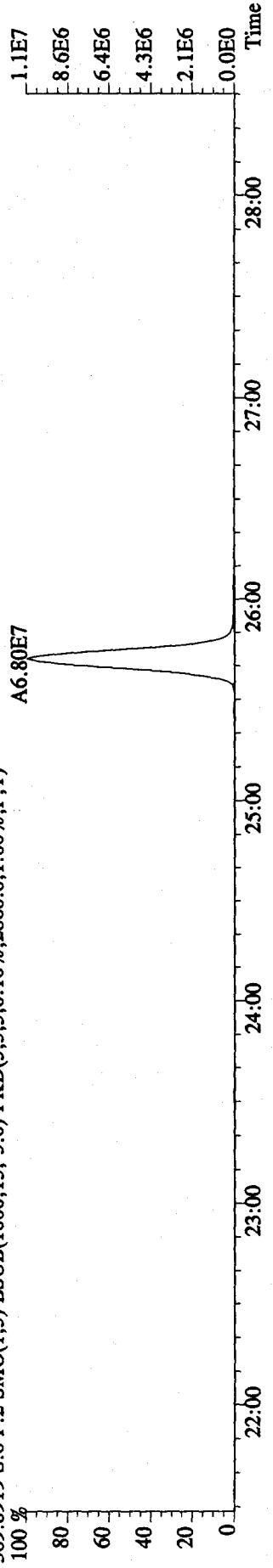
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6840,0,1,00%,F,T)



367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9332,0,1,00%,F,T)



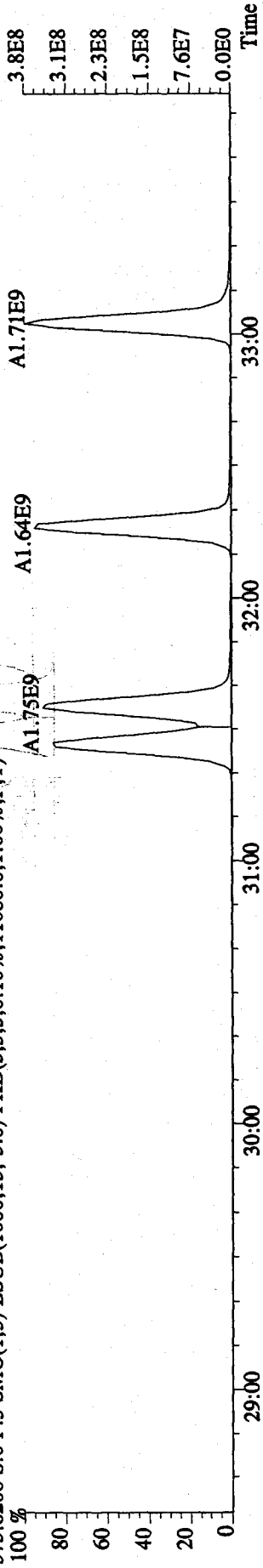
369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2860,0,1,00%,F,T)



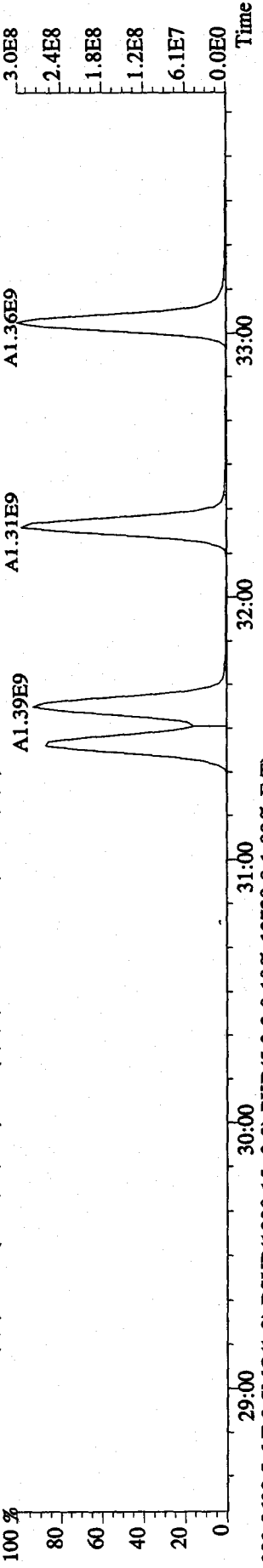
File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN

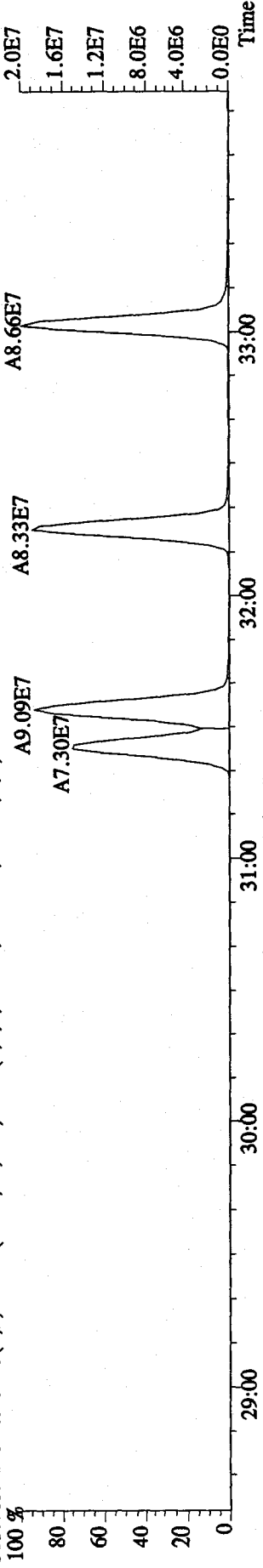
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080.0,1.00%,F,T)



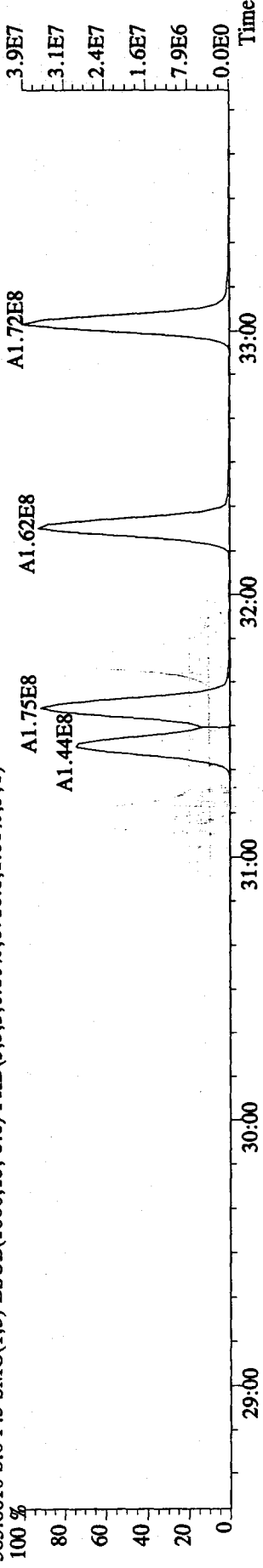
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



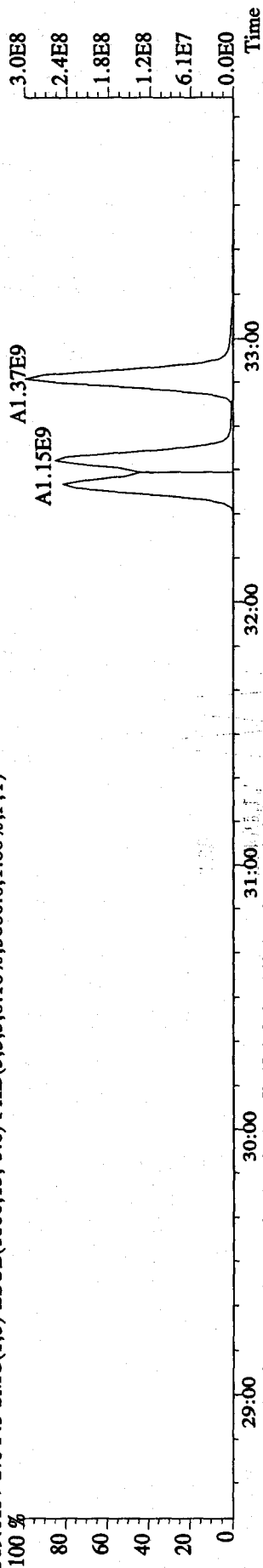
383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13728.0,1.00%,F,T)



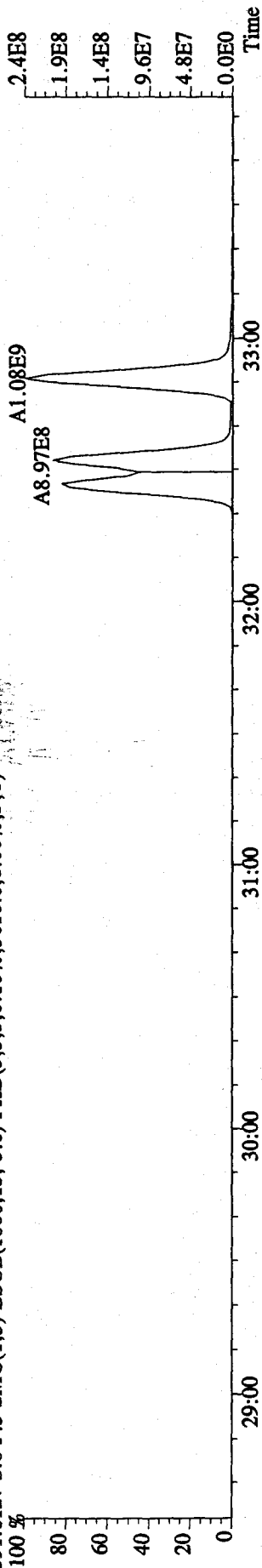
385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6716.0,1.00%,F,T)



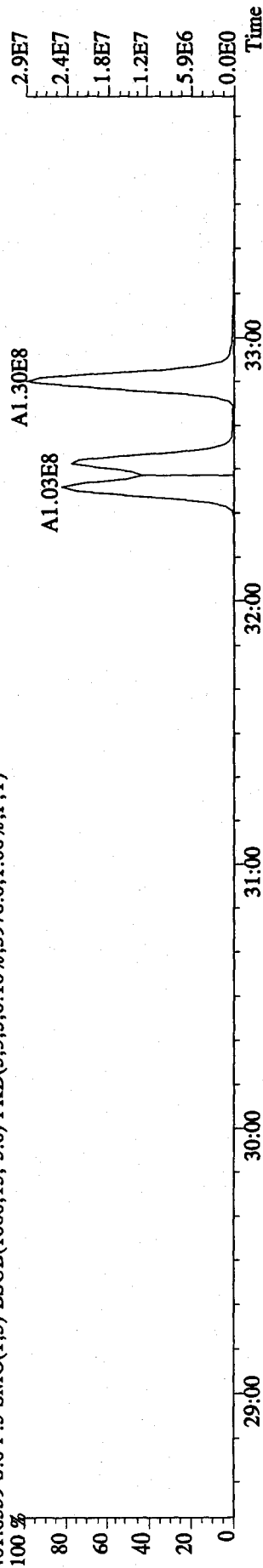
File:31DE09AID5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN  
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T)



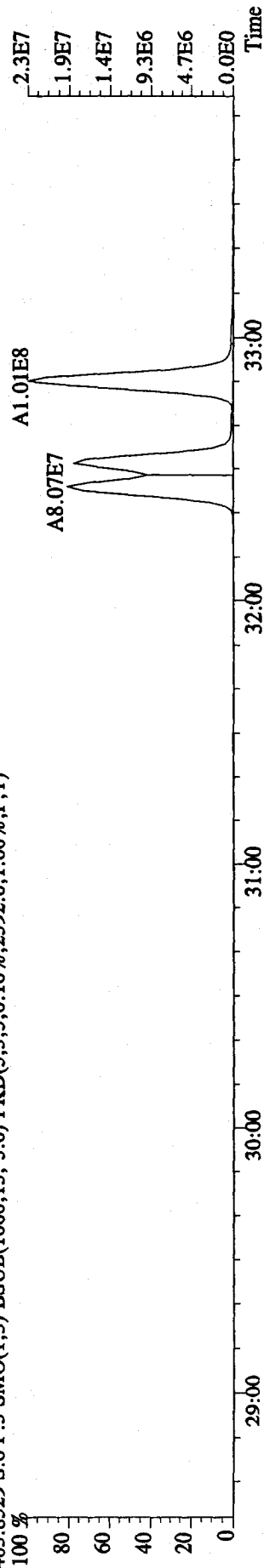
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3616.0,1.00%,F,T)



401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3976.0,1.00%,F,T)



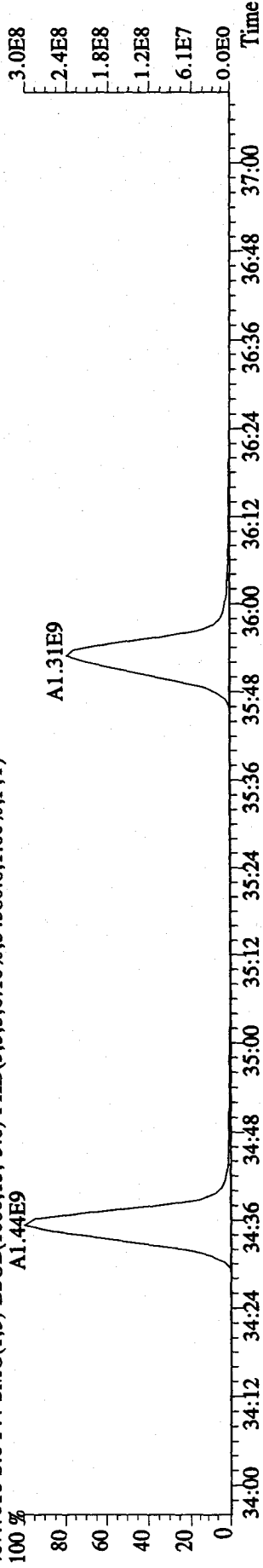
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



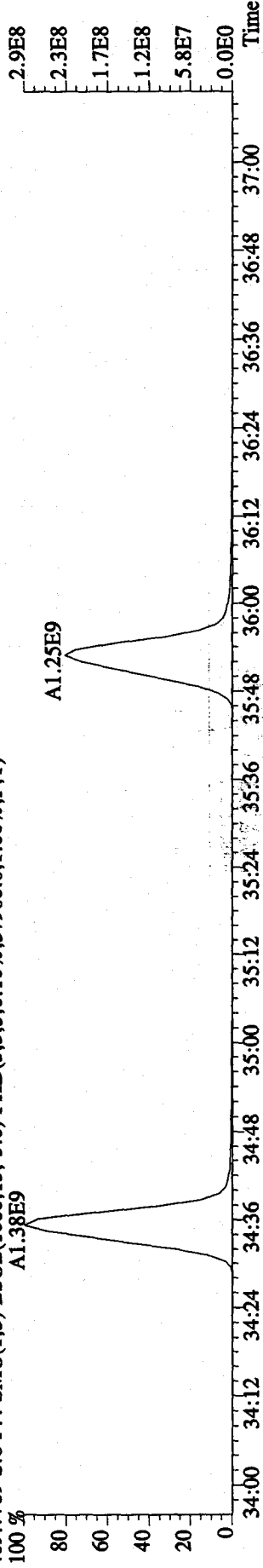
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

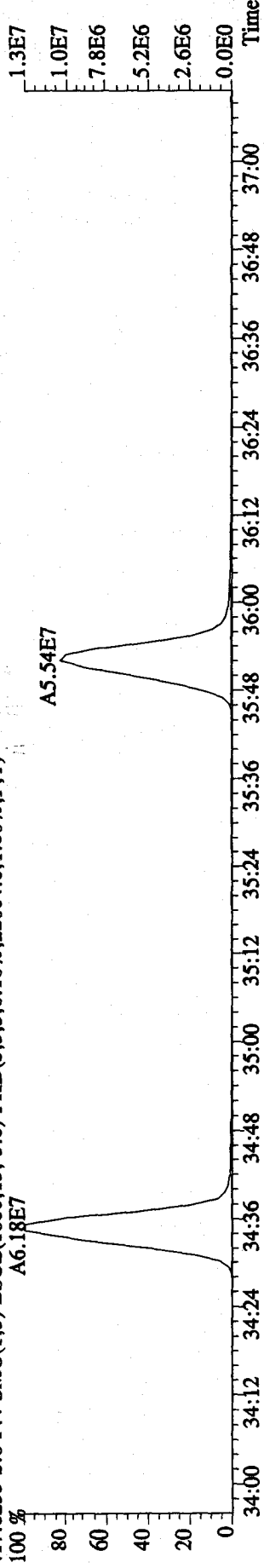
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34380.0,1.00%,F,T)



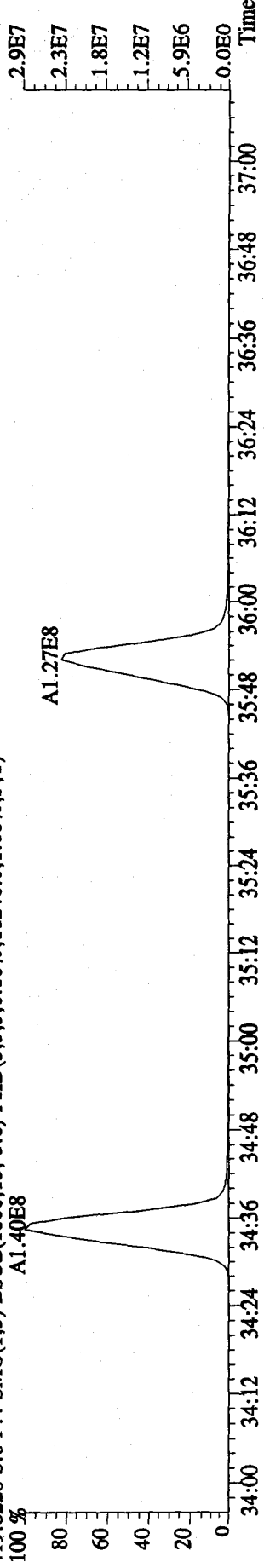
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57968.0,1.00%,F,T)



417.8253 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22004.0,1.00%,F,T)



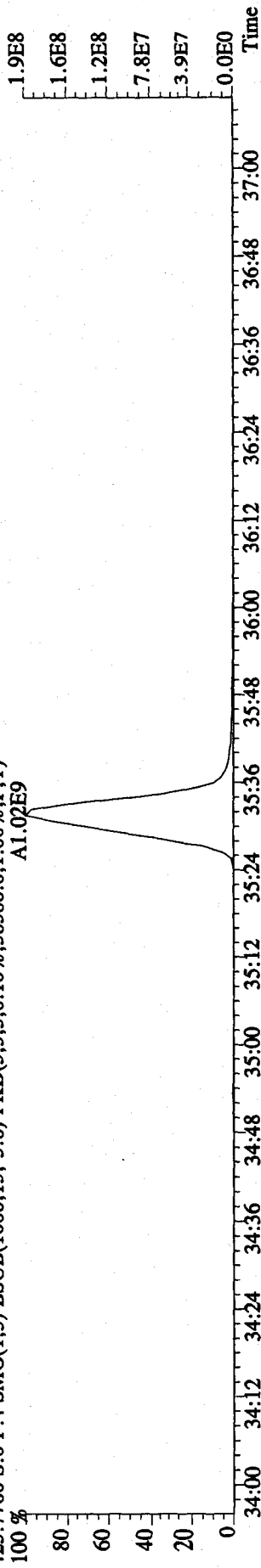
419.8220 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11240.0,1.00%,F,T)



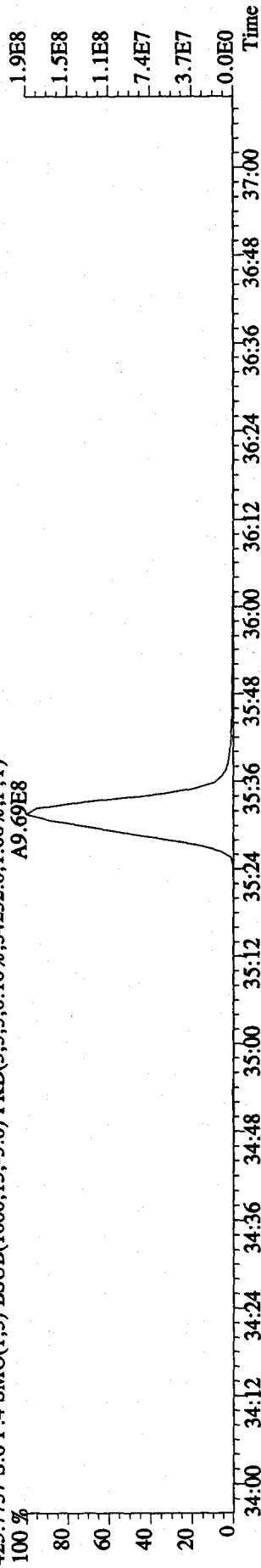
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

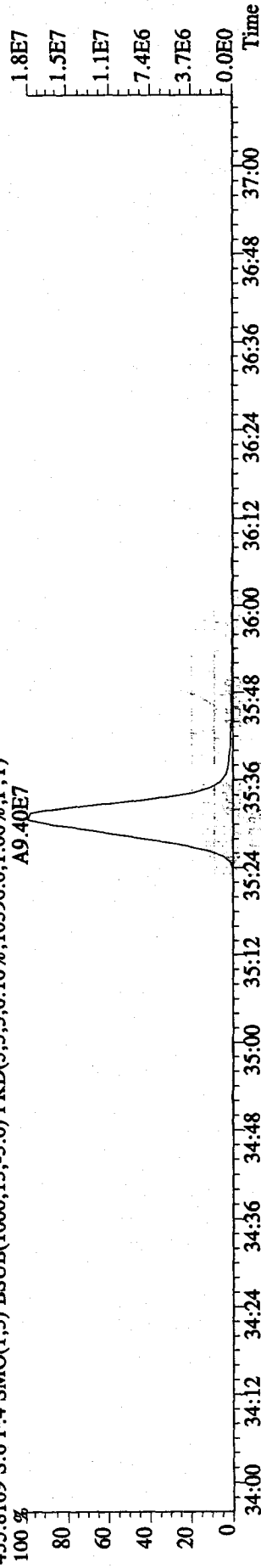
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38388.0,1.00%,F,T)  
A1.02E9



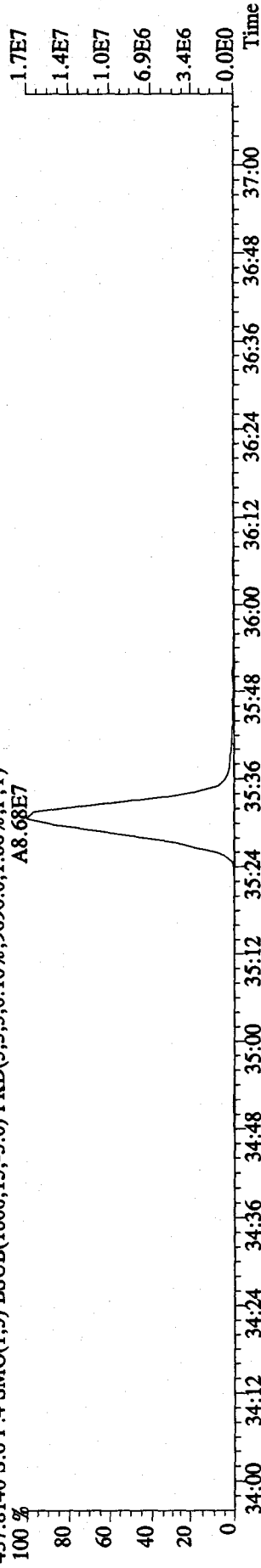
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34252.0,1.00%,F,T)  
A9.69E8



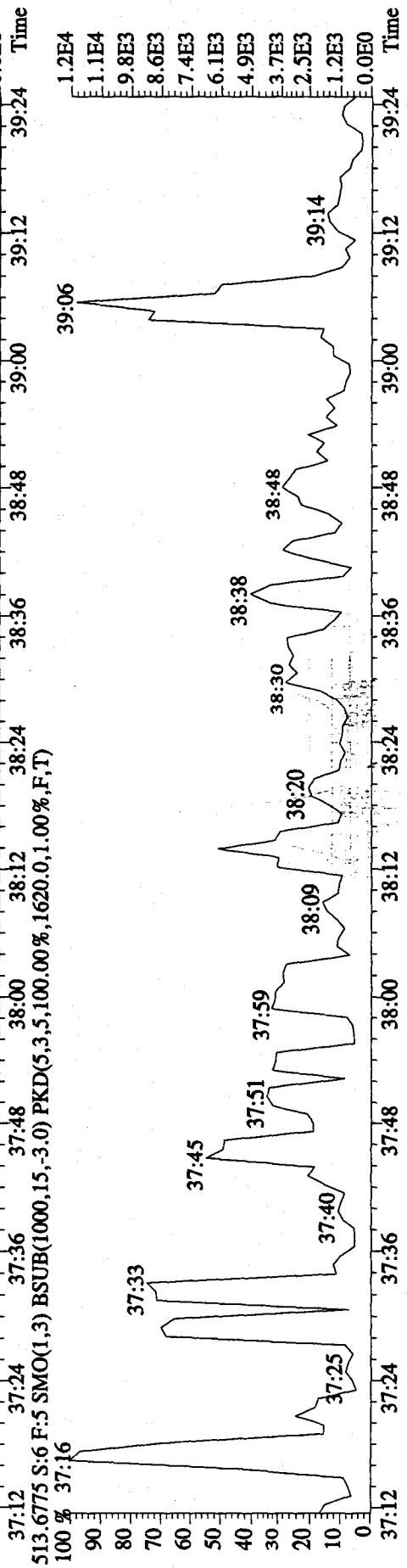
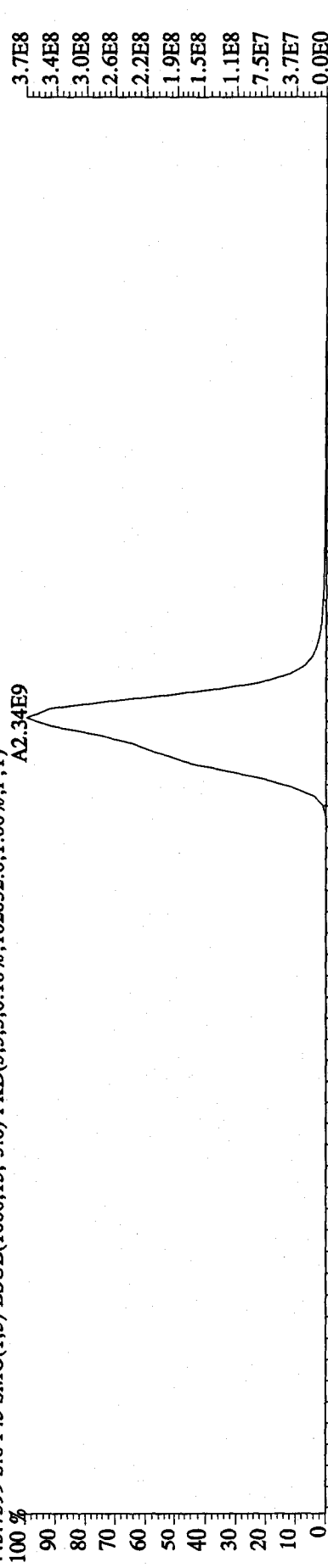
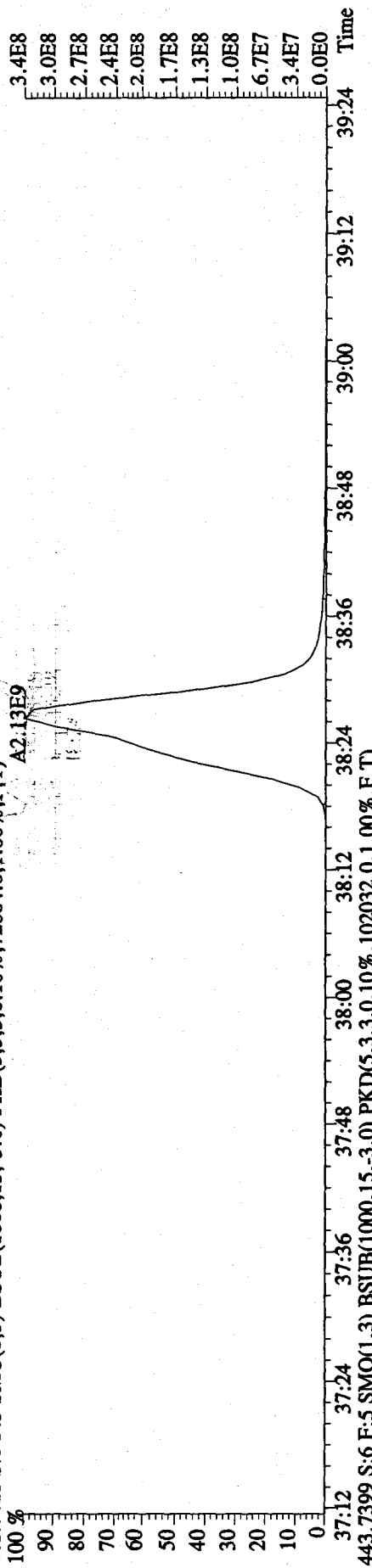
435.8169 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10596.0,1.00%,F,T)  
A9.40E7



437.8140 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9696.0,1.00%,F,T)  
A8.68E7



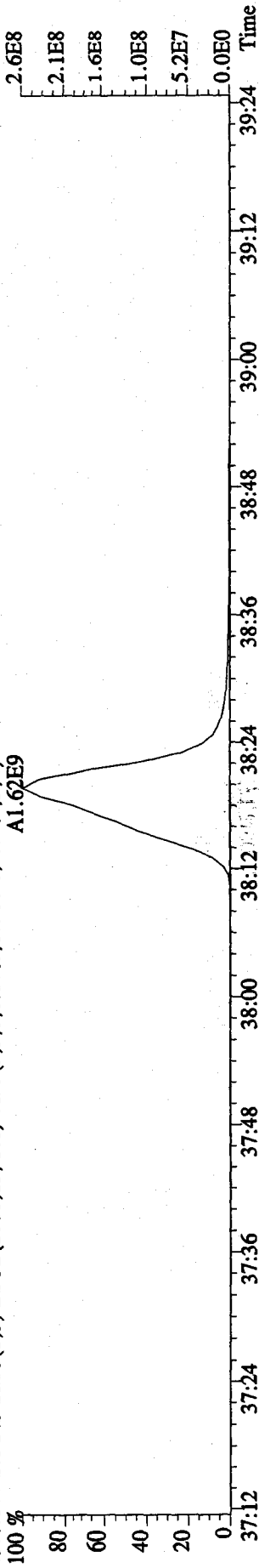
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN  
 441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72084.0,1.00%,F,T)



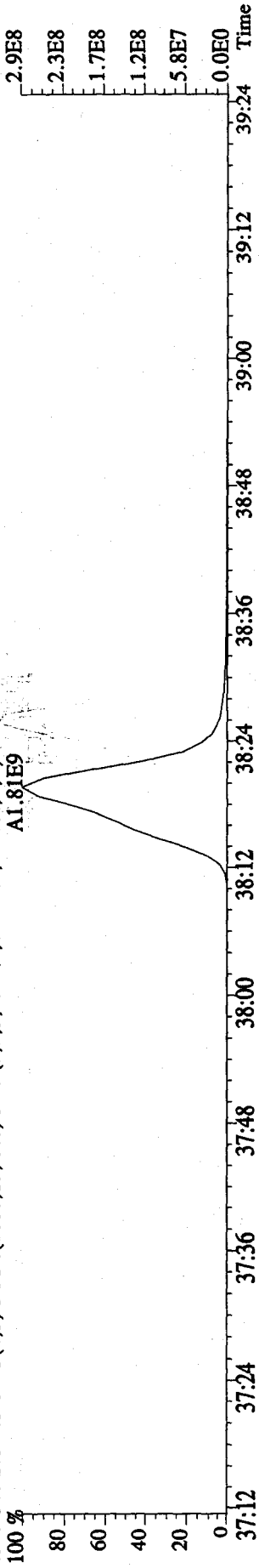
File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text: ST1231F : CS-5 09DXN456 Exp: DIOXIN

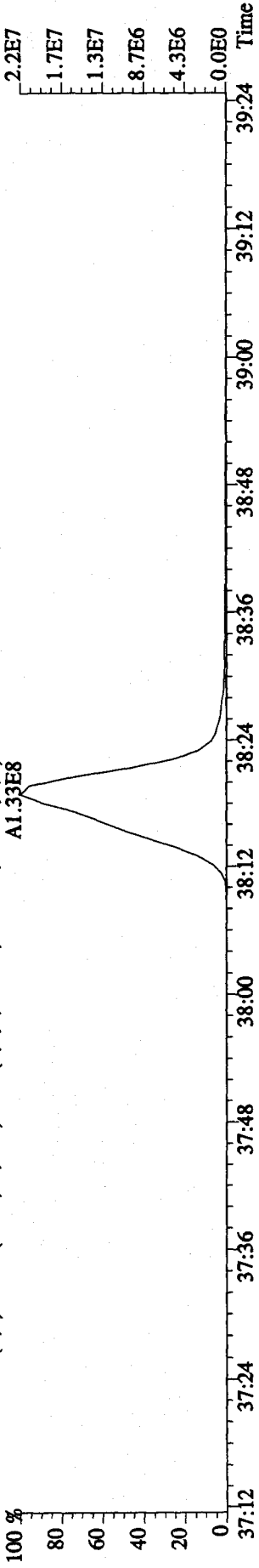
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,67900.0,1.00%,F,T) A1.62E9



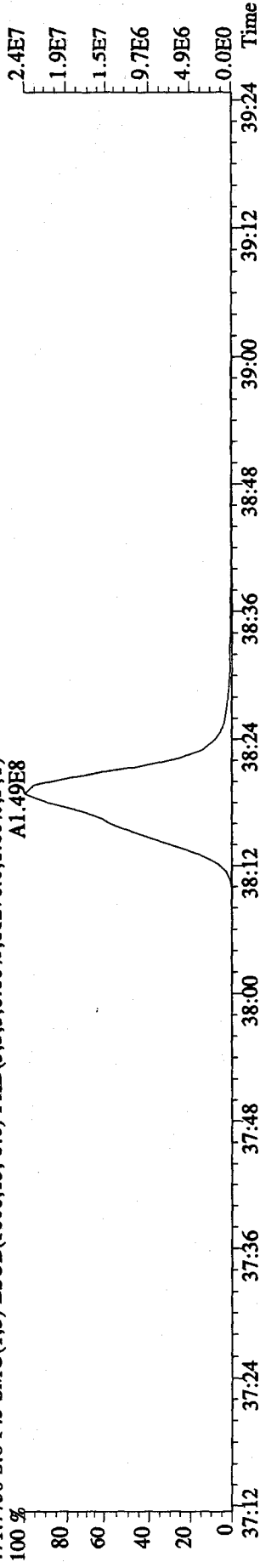
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84160.0,1.00%,F,T) A1.81E9



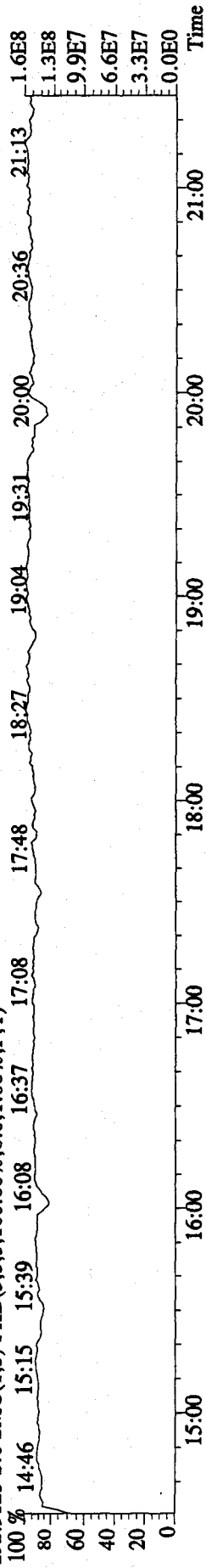
469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11280.0,1.00%,F,T) A1.33E8



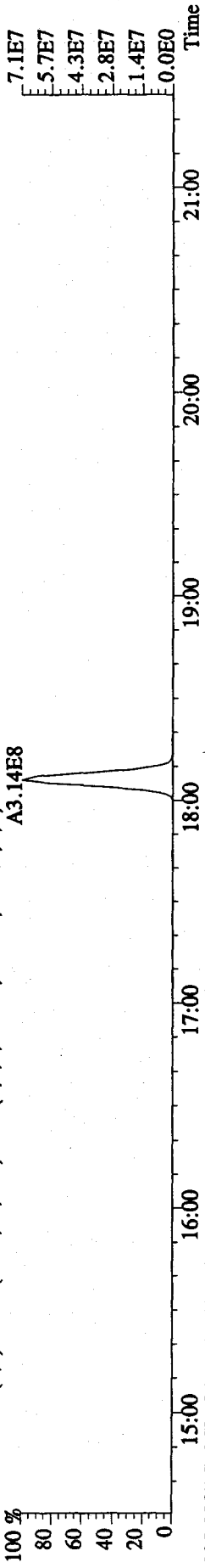
471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11276.0,1.00%,F,T) A1.49E8



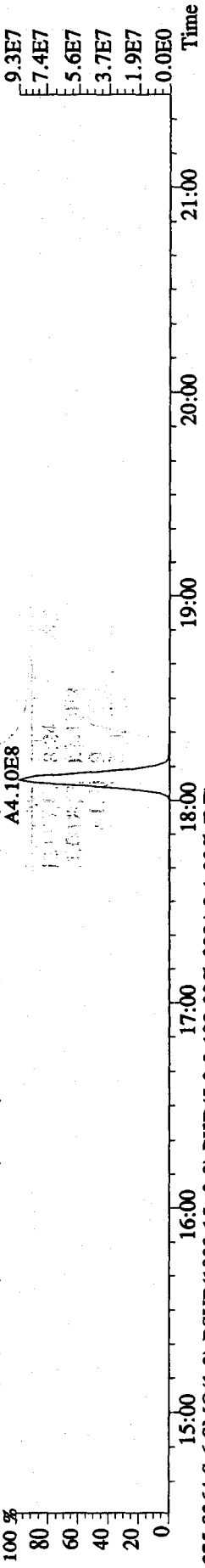
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN  
 292.9825 S:6 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)  
 100 % 14:46 15:15 15:39 16:08 16:37 17:08 17:48 18:27 19:04 19:31 20:00 20:36 21:13



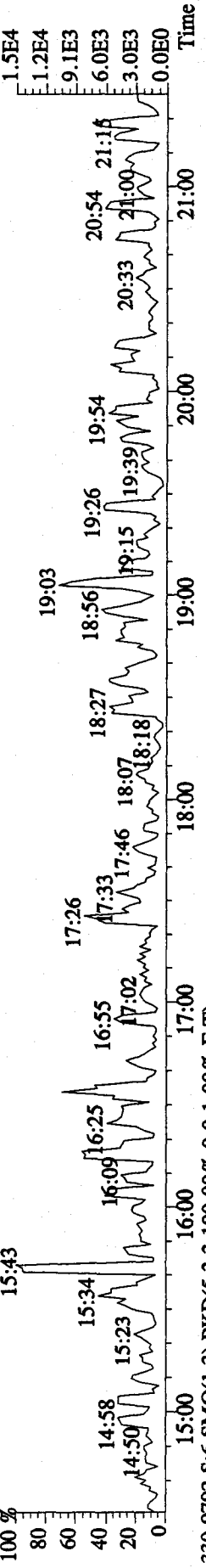
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9492.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 18:00 19:00 20:00 21:00



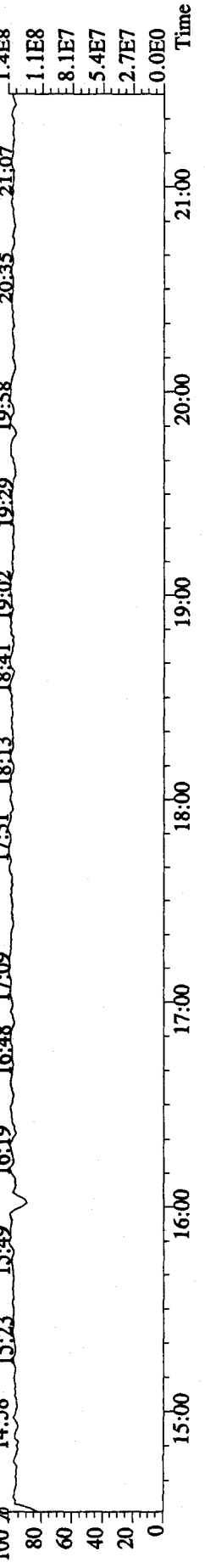
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9552.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 18:00 19:00 20:00 21:00



375.8364 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2384.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 18:00 19:00 20:00 21:00



330.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 14:58 15:23 15:49 16:19 16:48 17:09 17:51 18:13 18:41 19:02 19:29 19:58 20:35 21:07



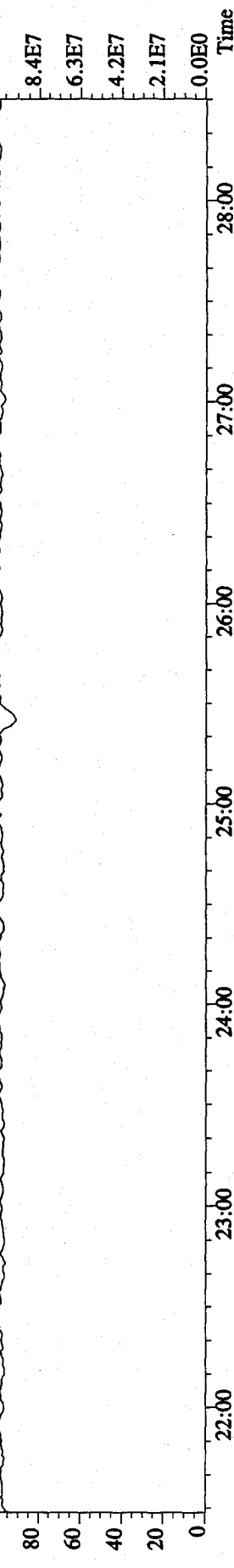


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

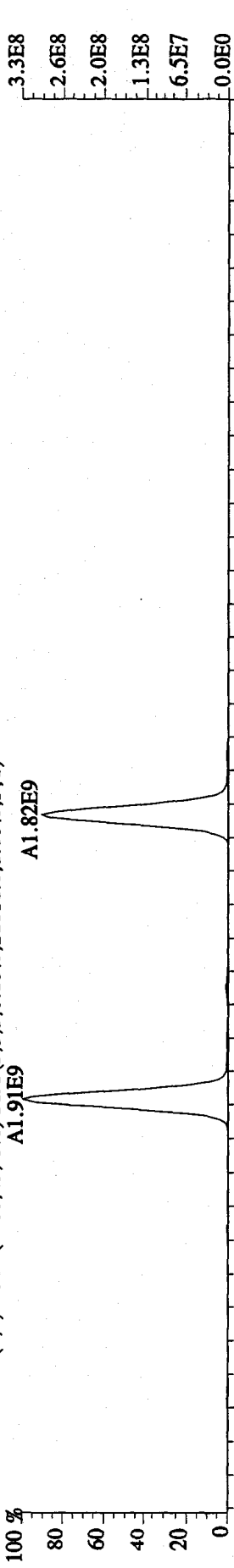
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

342.9792 S:6 F:2 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

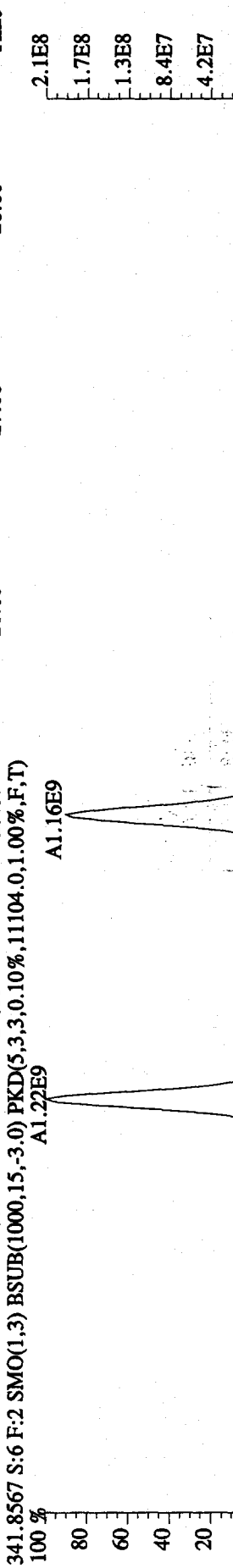
100 % 21:55 22:29 23:01 23:33 23:56 24:29 24:54 25:17 25:46 26:13 26:46 27:13 27:36 28:18



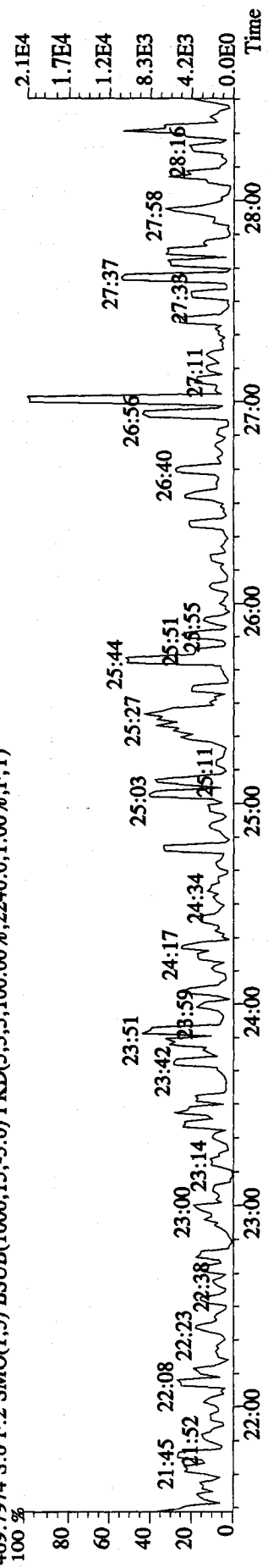
339.8597 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21616.0,1.00%,F,T)



341.8567 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)



409.7974 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2240.0,1.00%,F,T)



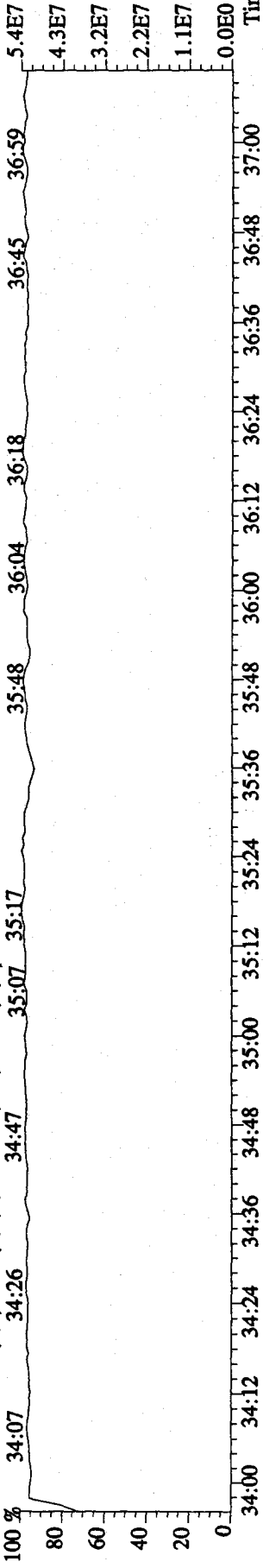


File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

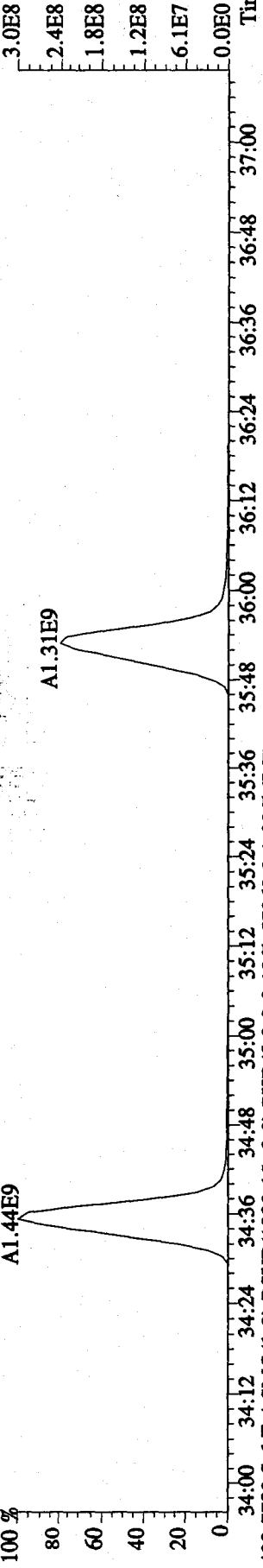
430.9728 S:6 F:4 SMO(1.3) PKD(5.3,3,0.10%,0.0,1.00%,F,T)

100 % 34:07 34:26 34:47 35:07 35:17

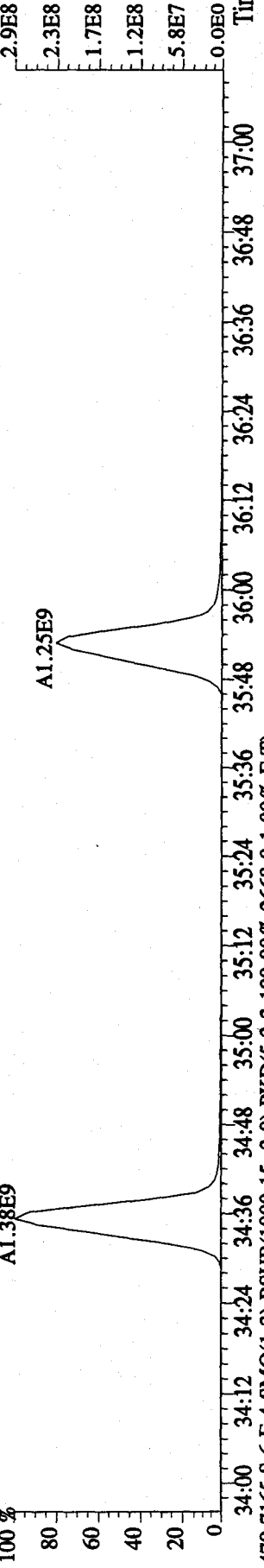


31:38

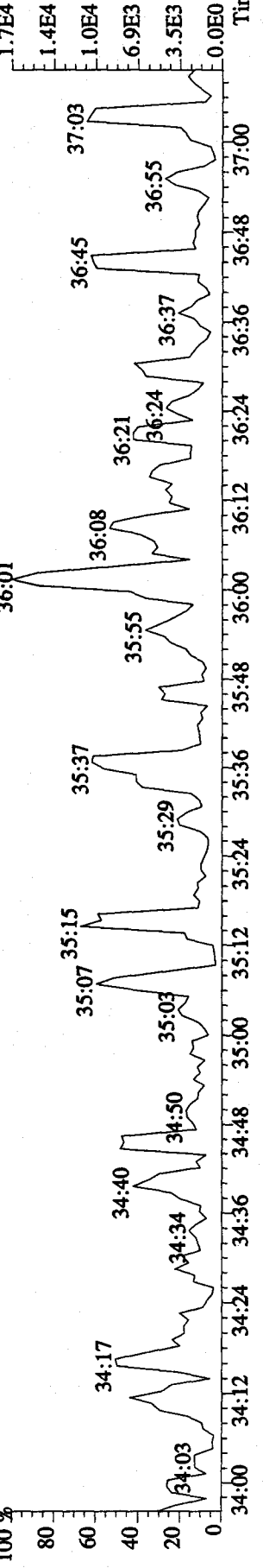
407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,34380.0,1.00%,F,T)



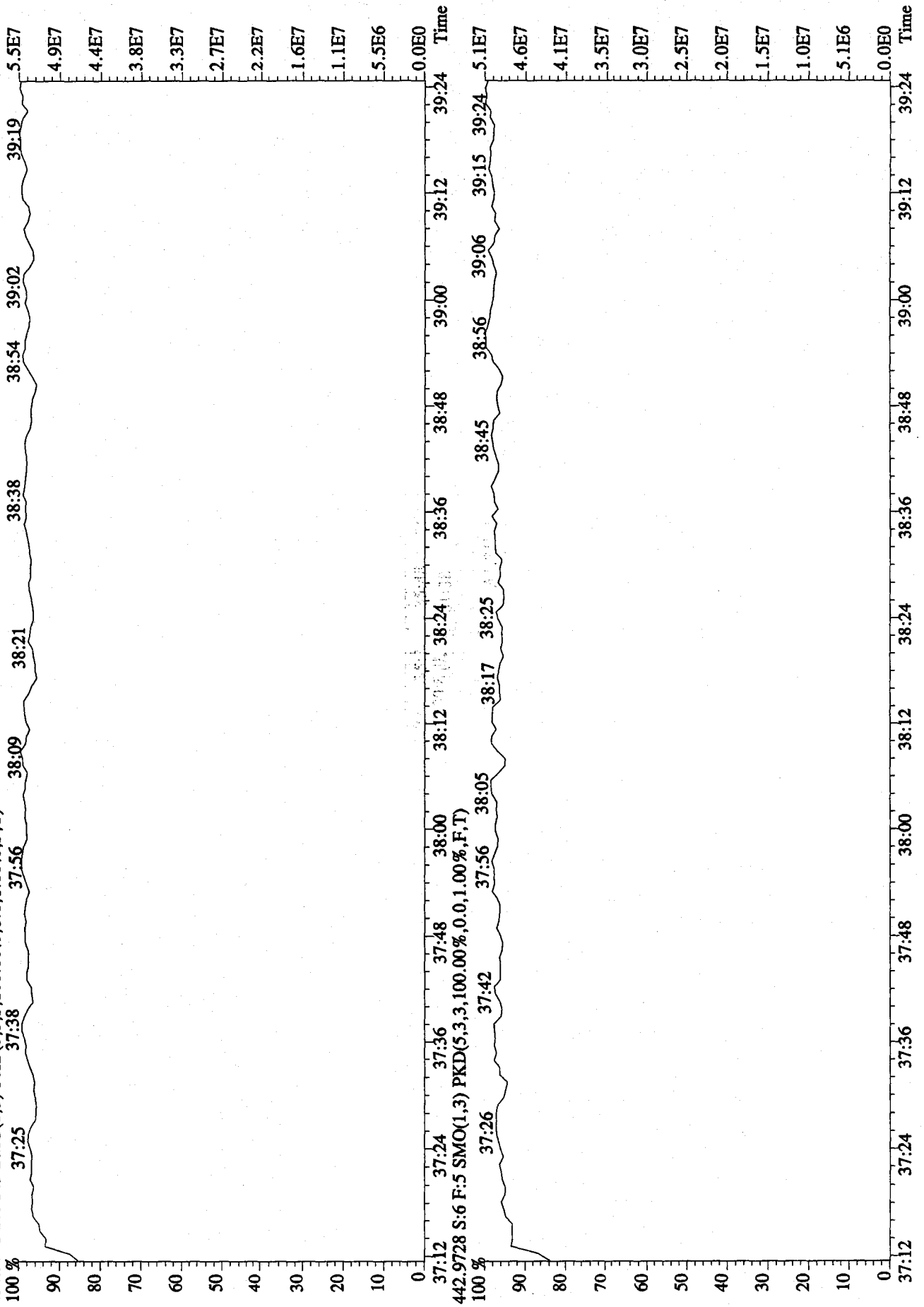
409.7789 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,57968.0,1.00%,F,T)



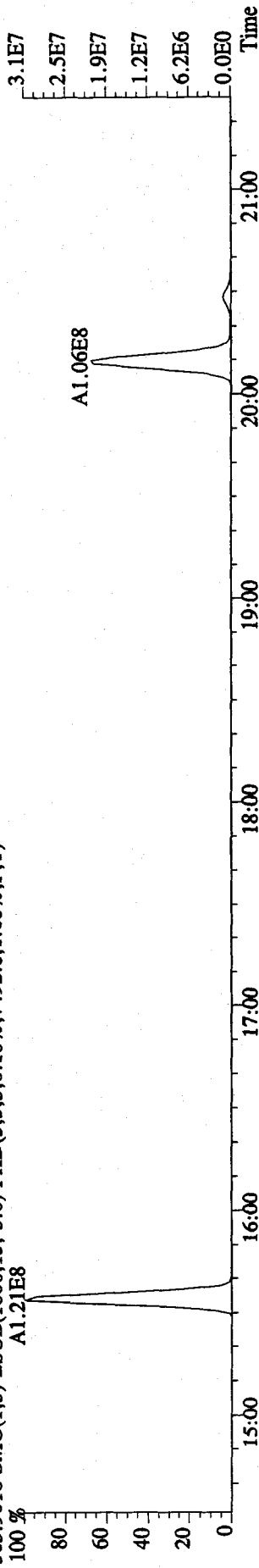
479.7165 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,2668.0,1.00%,F,T)



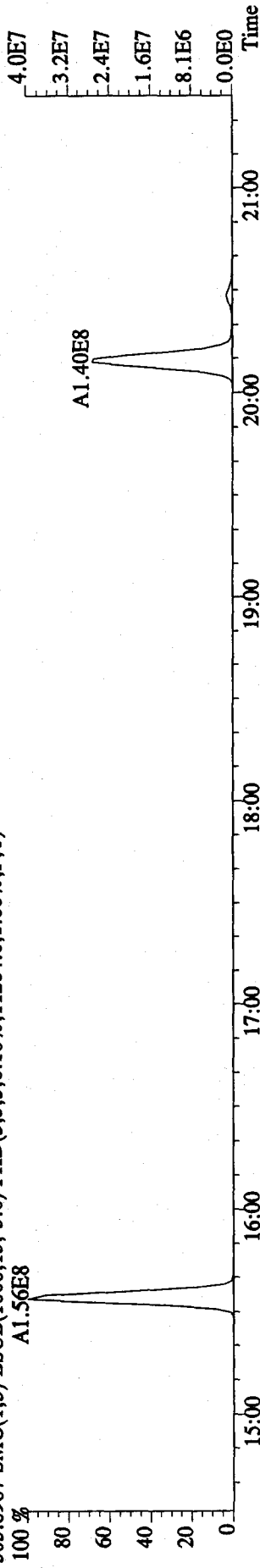
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN  
 454.9728 S:6 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



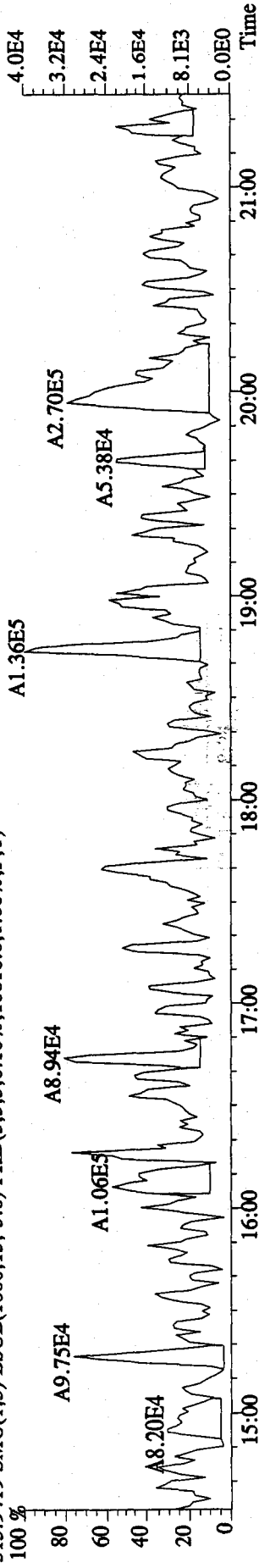
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPM 3732-04 Exp:DIOXIN  
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)  
 100 % A1.21E8



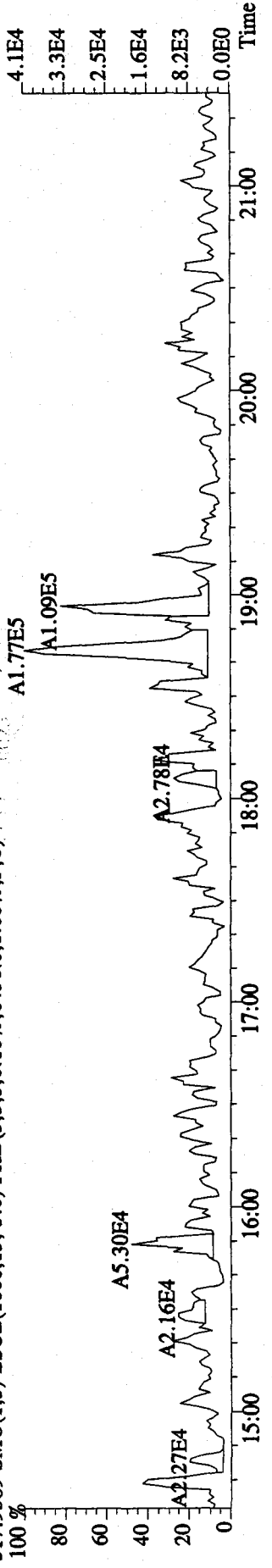
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11284.0,1.00%,F,T)  
 100 % A1.56E8



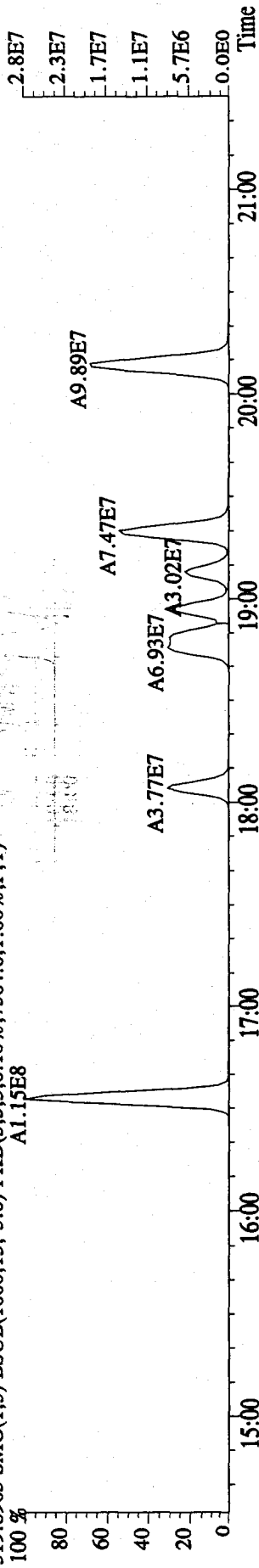
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10816.0,1.00%,F,T)  
 100 %



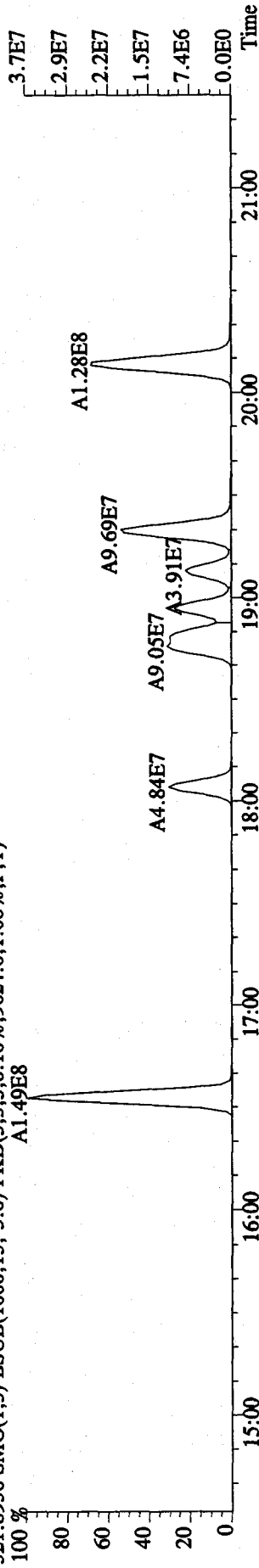
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6436.0,1.00%,F,T)  
 100 %



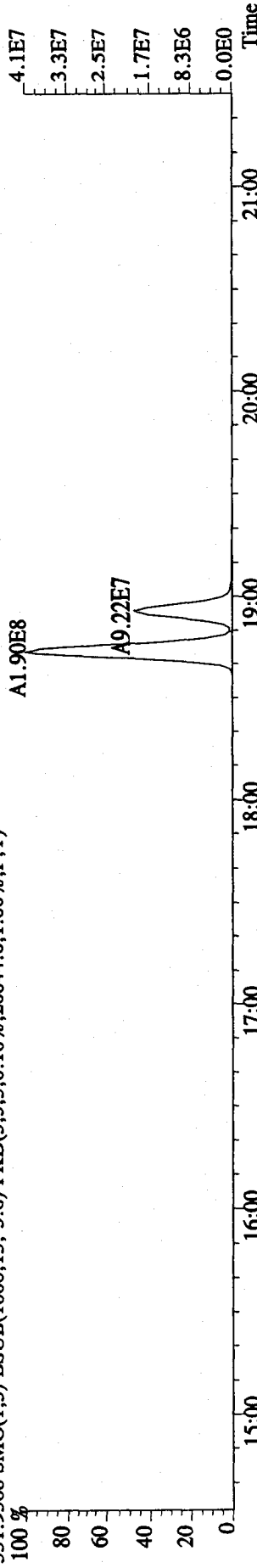
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7364.0,1.00%,F,T)  
 100% A1.15E8



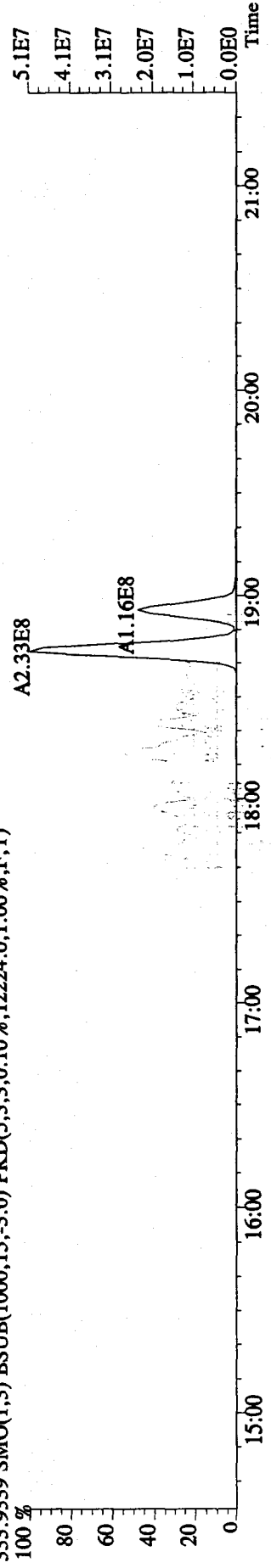
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9624.0,1.00%,F,T)  
 100% A1.49E8



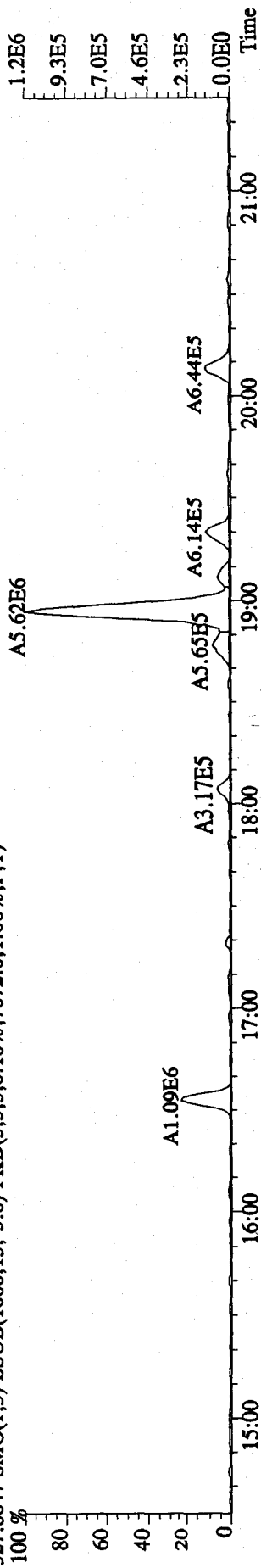
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20044.0,1.00%,F,T)  
 100% A1.90E8



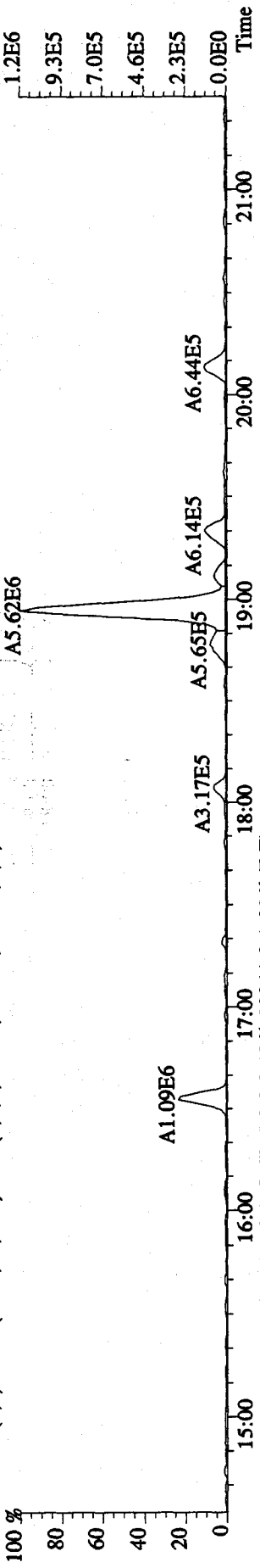
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12224.0,1.00%,F,T)  
 100% A2.33E8



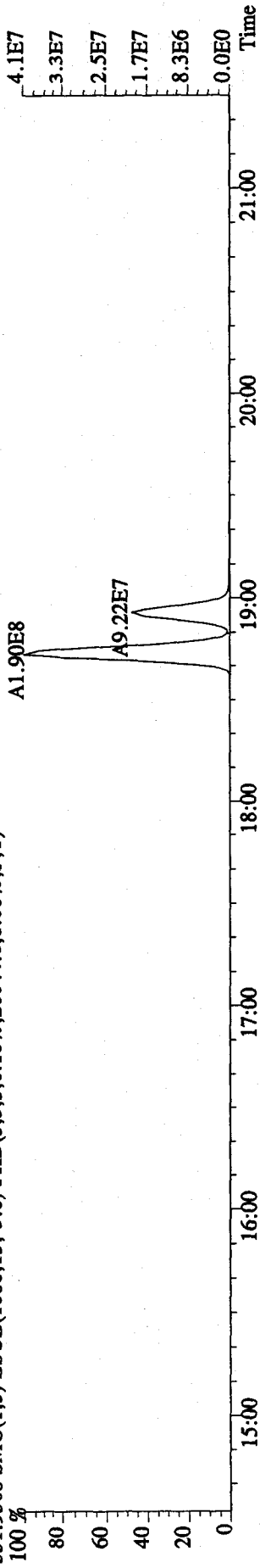
File: 31DE09A1D5 #1-410 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN  
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7672.0,1.00%,F,T)



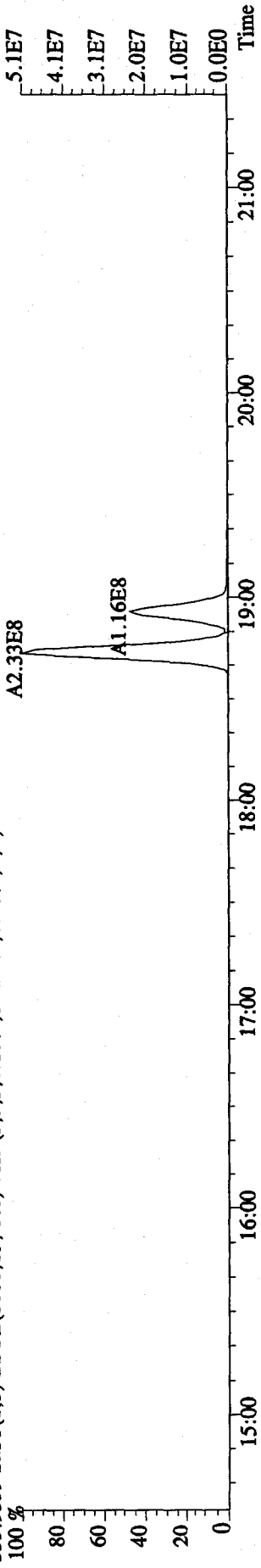
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7672.0,1.00%,F,T)



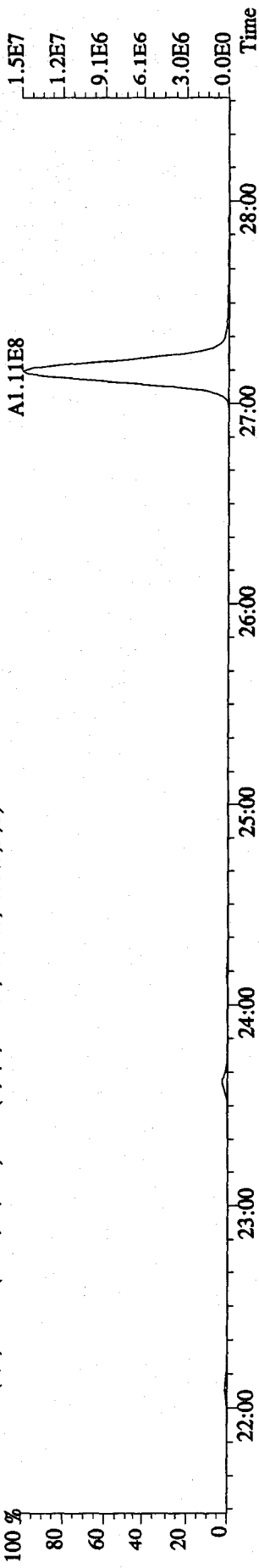
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20044.0,1.00%,F,T)



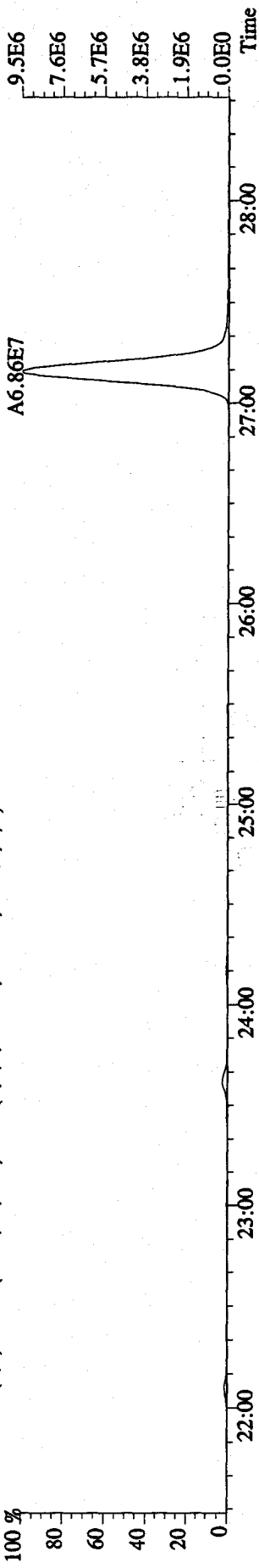
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12224.0,1.00%,F,T)



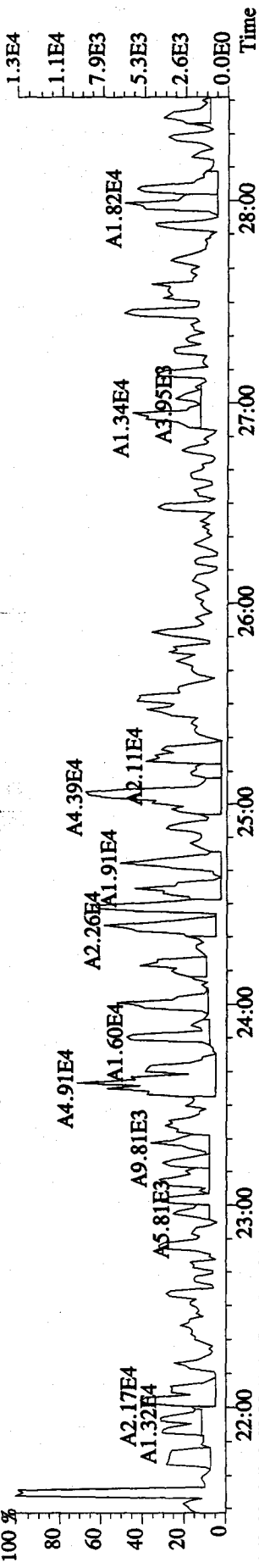
File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6040.0,1.00%,F,T)



341.8567 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7924.0,1.00%,F,T)

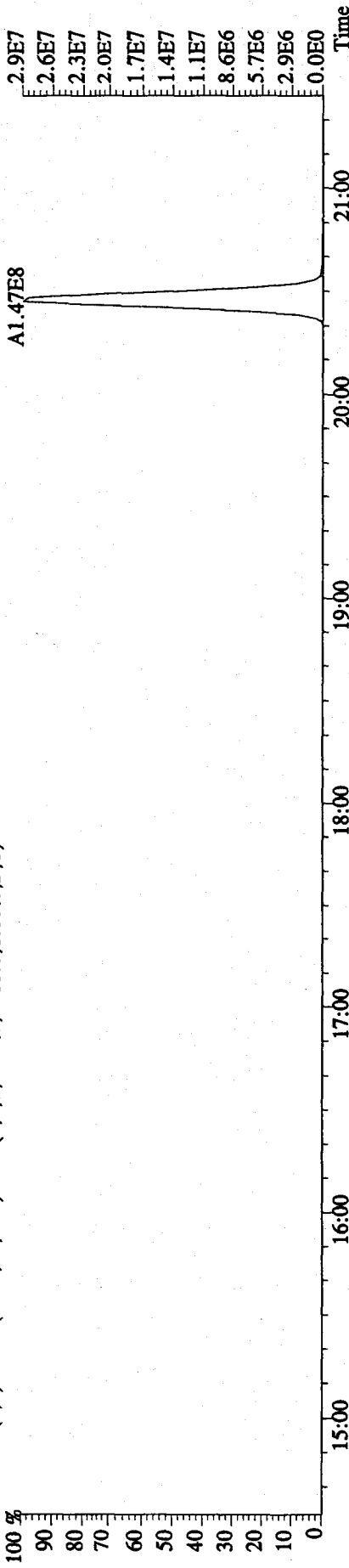


351.9000 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2216.0,1.00%,F,T)

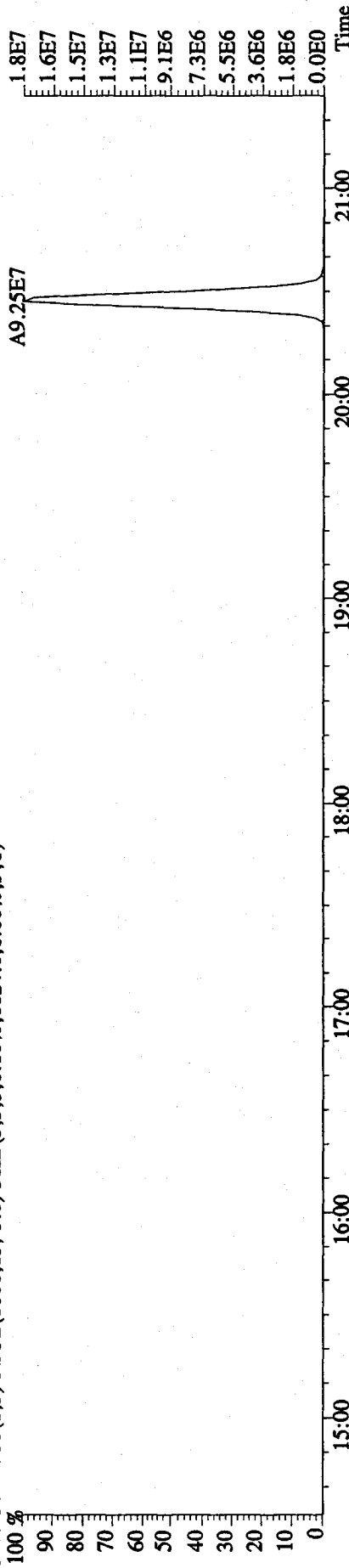




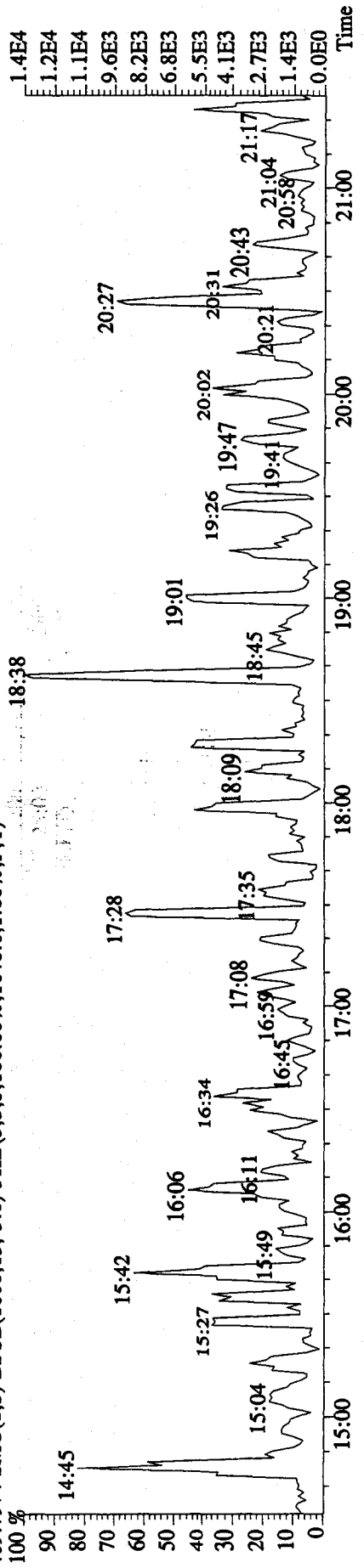
File: 3 IDE09A1D5 #1-410 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CPI231A :DB-5 CPSM 3732-04 Exp: DIOXIN  
 339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4608.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6624.0,1.00%,F,T)



409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1640.0,1.00%,F,T)

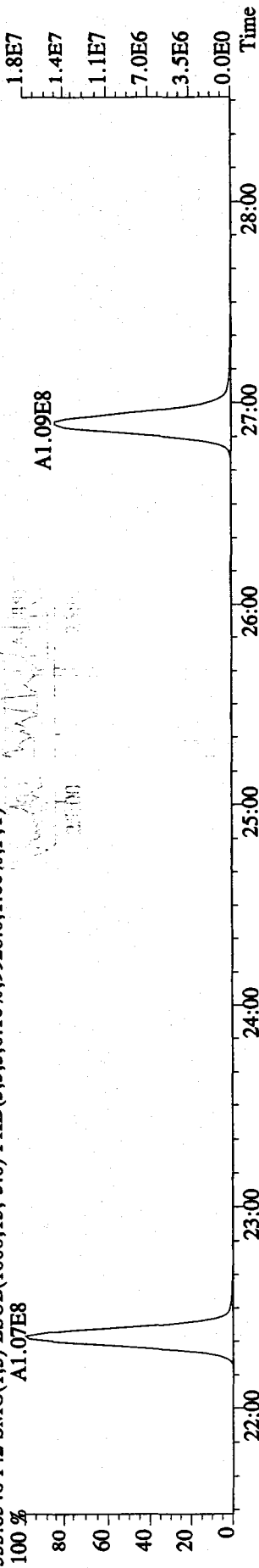


File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

Sample#1 Text:CPI231A :DB-5 CFSM 3732-04 Exp:DIOXIN

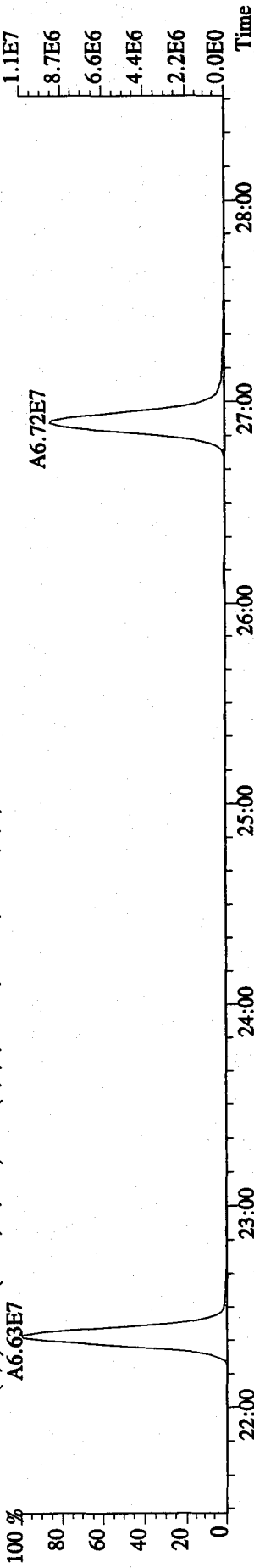
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9928.0,1.00%,F,T)

A1.07E8

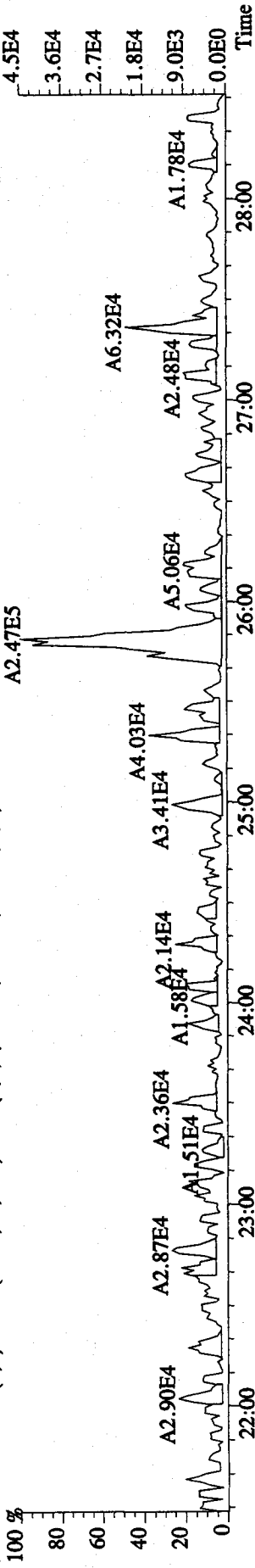


357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4680.0,1.00%,F,T)

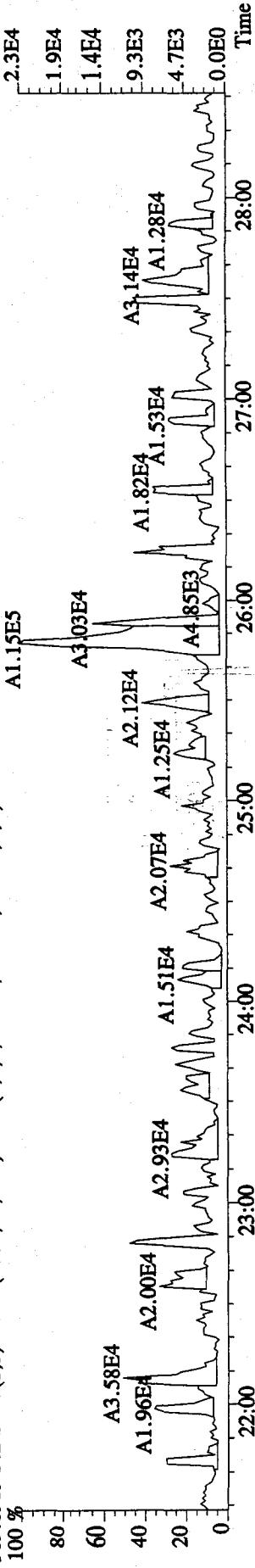
A6.63E7



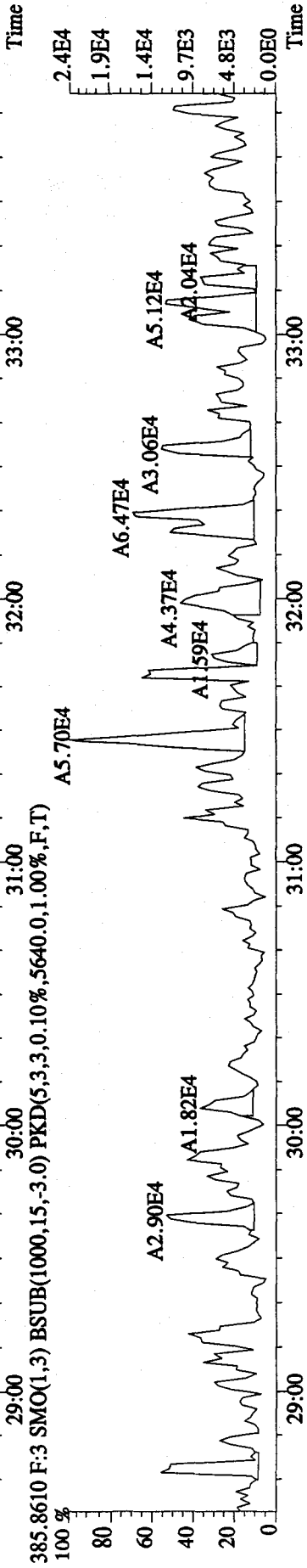
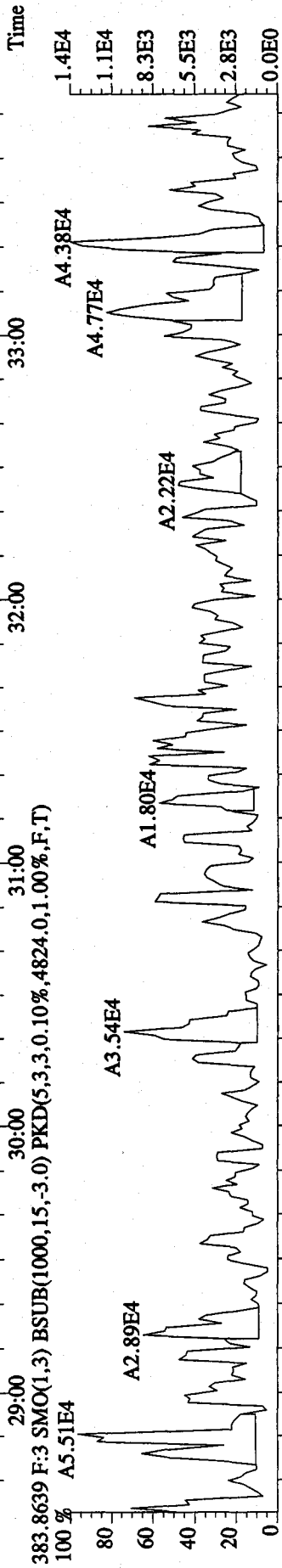
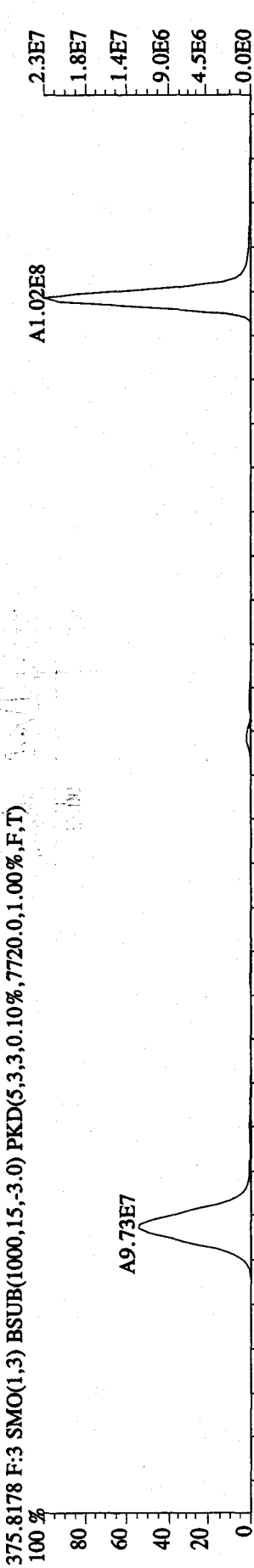
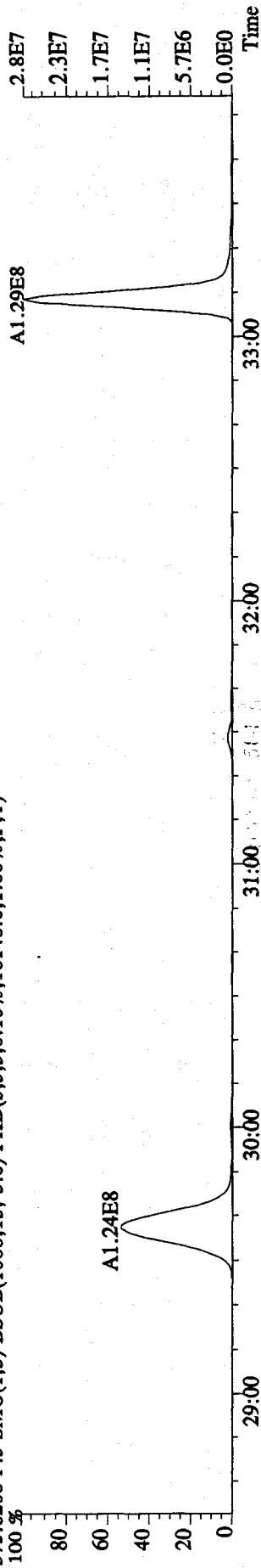
367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484.0,1.00%,F,T)



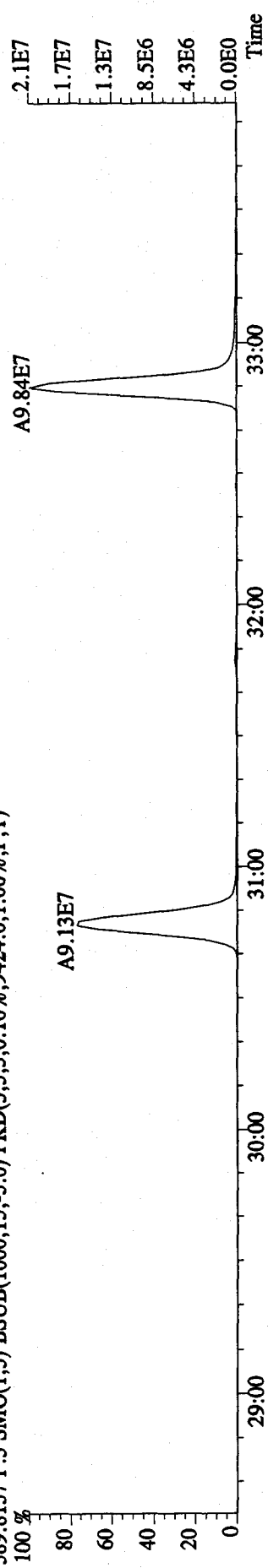
369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2820.0,1.00%,F,T)



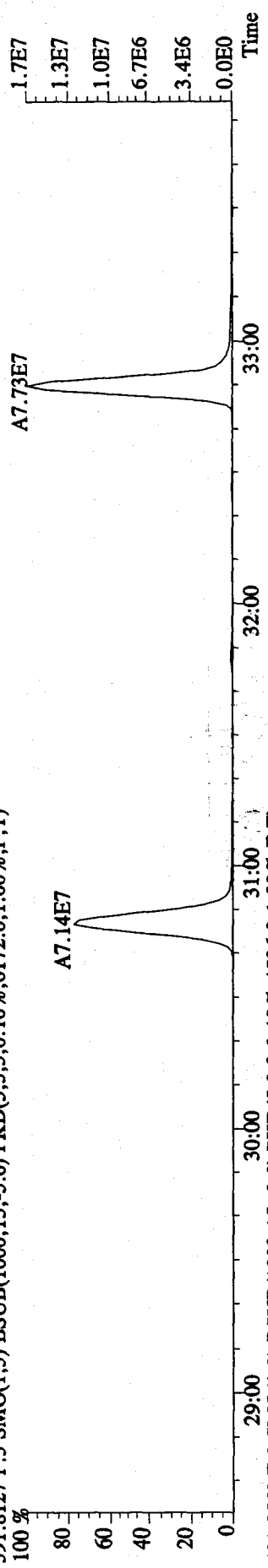
File:3IDE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16148.0,1.00%,F,T)



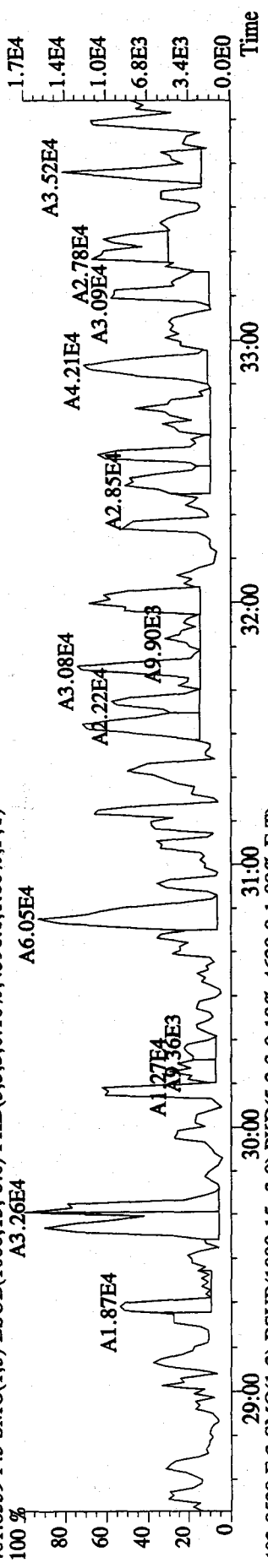
File: 31DE09A1D5 #1-361 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN  
 389.8157 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9424.0,1.00%,F,T)



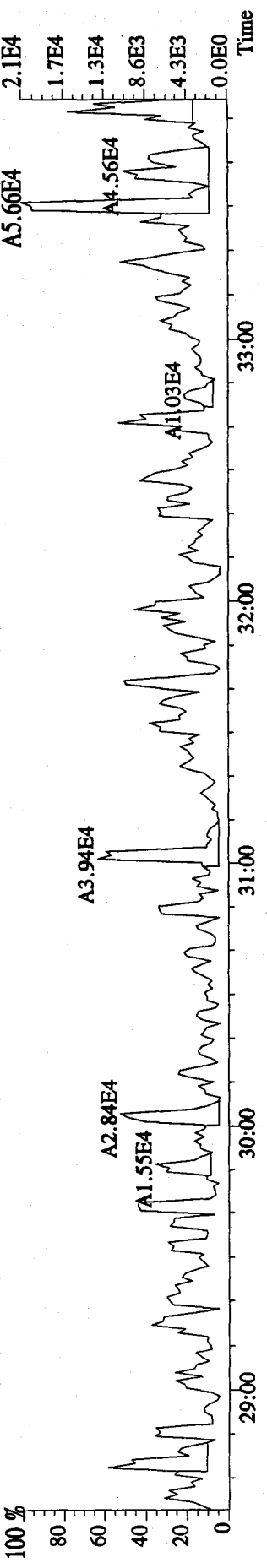
391.8127 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6172.0,1.00%,F,T)



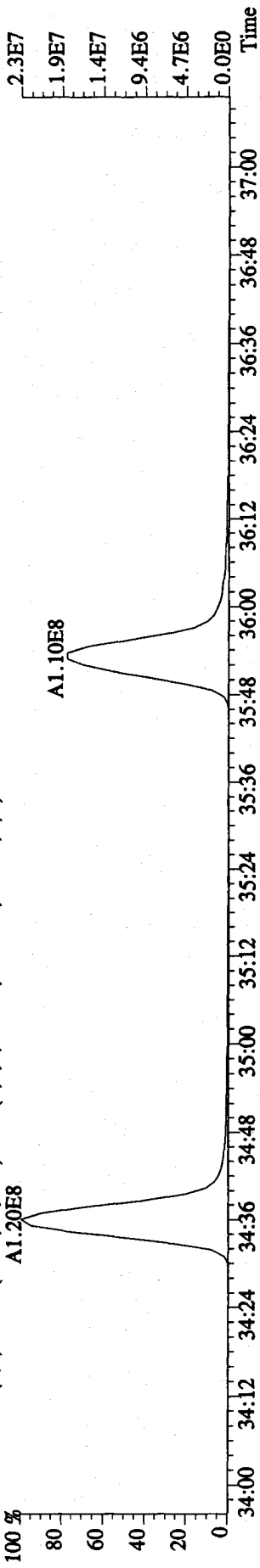
401.8559 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4596.0,1.00%,F,T)



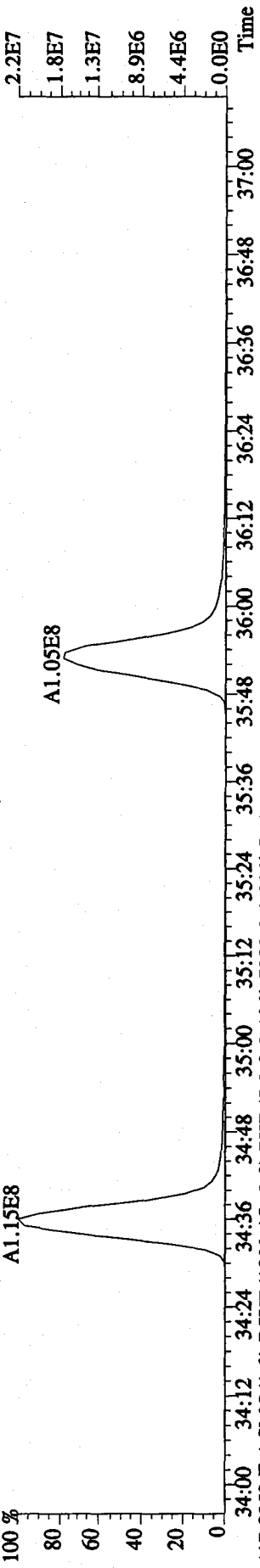
403.8529 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4620.0,1.00%,F,T)



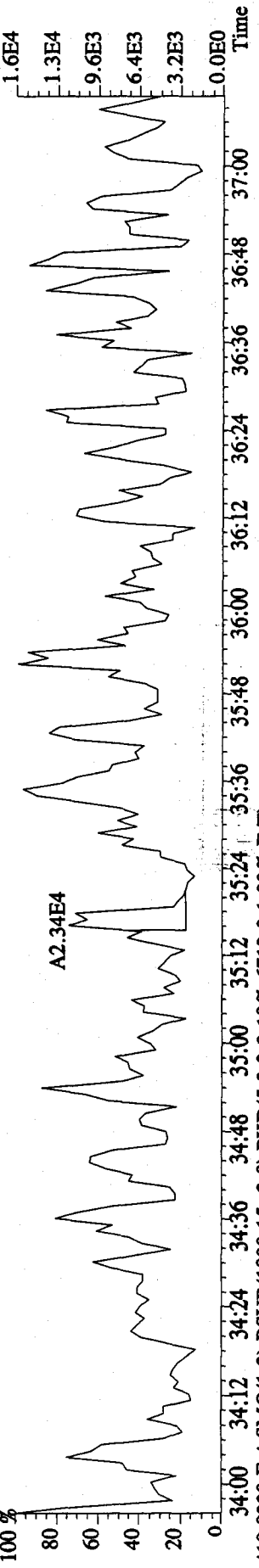
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,27224,0,1.00%,F,T)  
 100 %



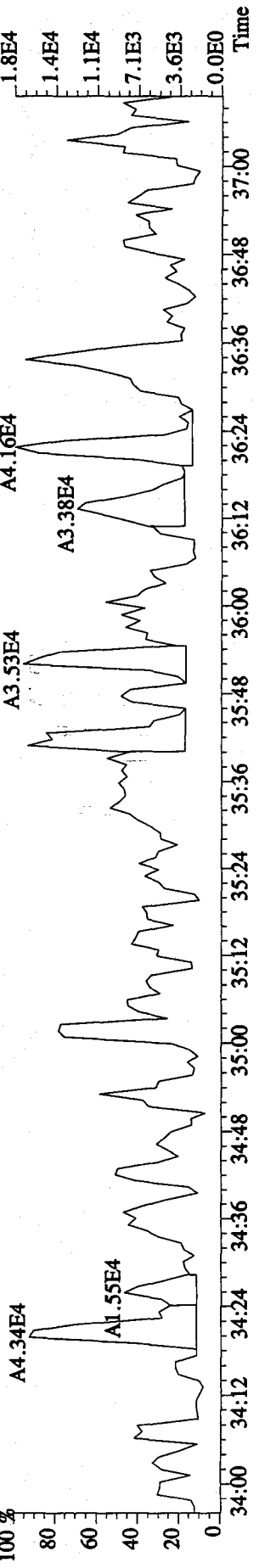
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,27468,0,1.00%,F,T)  
 100 %



417.8253 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7992,0,1.00%,F,T)  
 100 %



419.8220 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6712,0,1.00%,F,T)  
 100 %



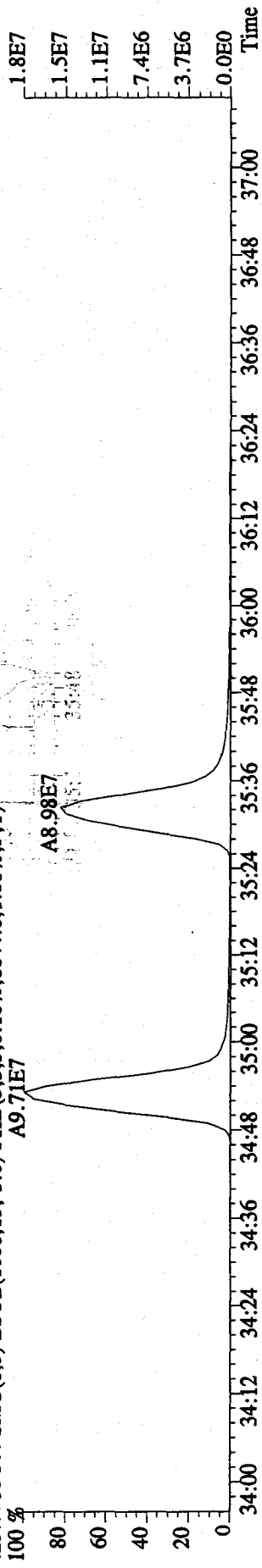
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

Sample#1 Text:CPI231A :DB-5 CPSM 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)

A9.71E7

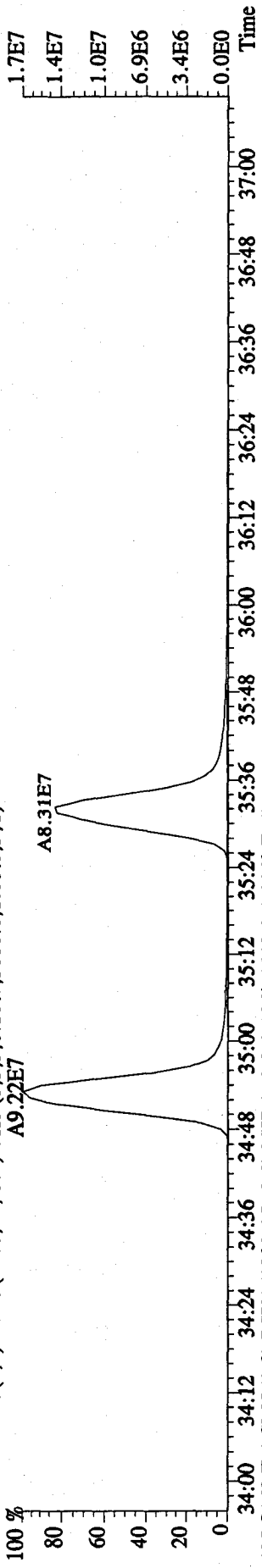
A8.98E7



425.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5688.0,1.00%,F,T)

A9.22E7

A8.31E7



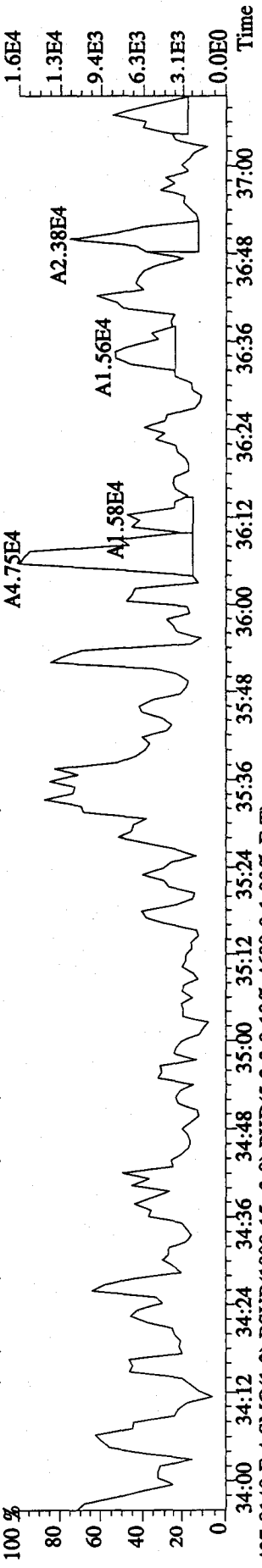
435.8169 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)

A4.75E4

A2.38E4

A1.56E4

A1.58E4



437.8140 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)

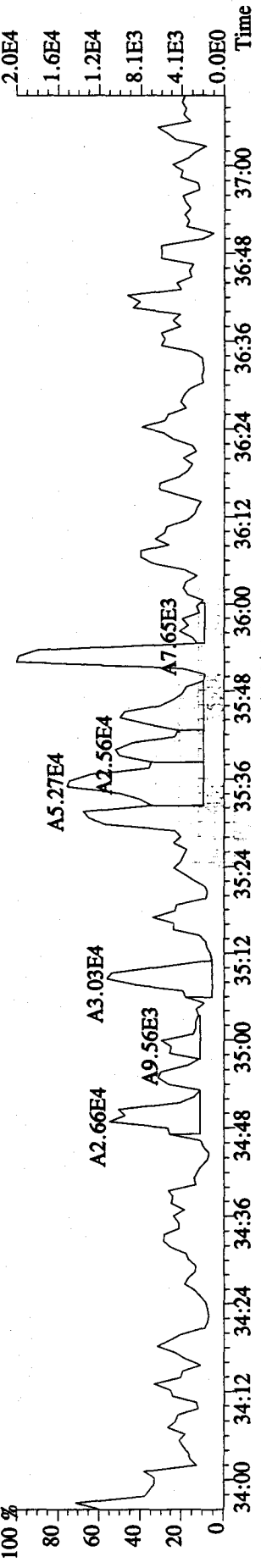
A5.27E4

A2.56E4

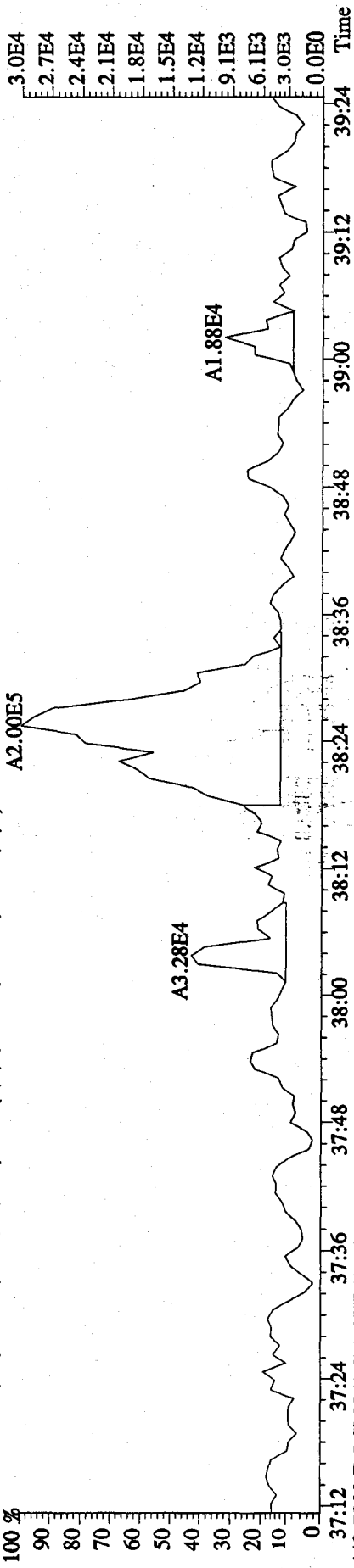
A3.03E4

A9.56E3

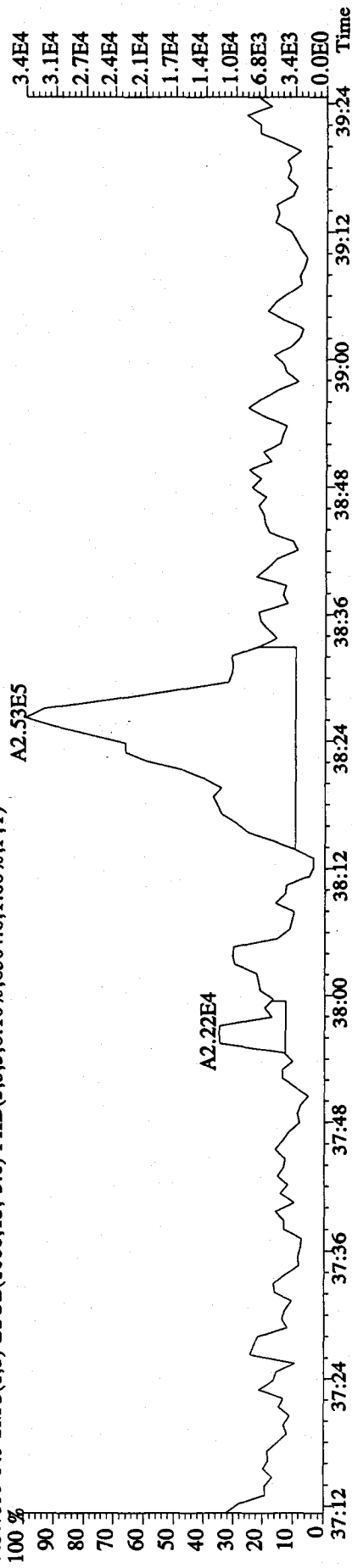
A7.65E3



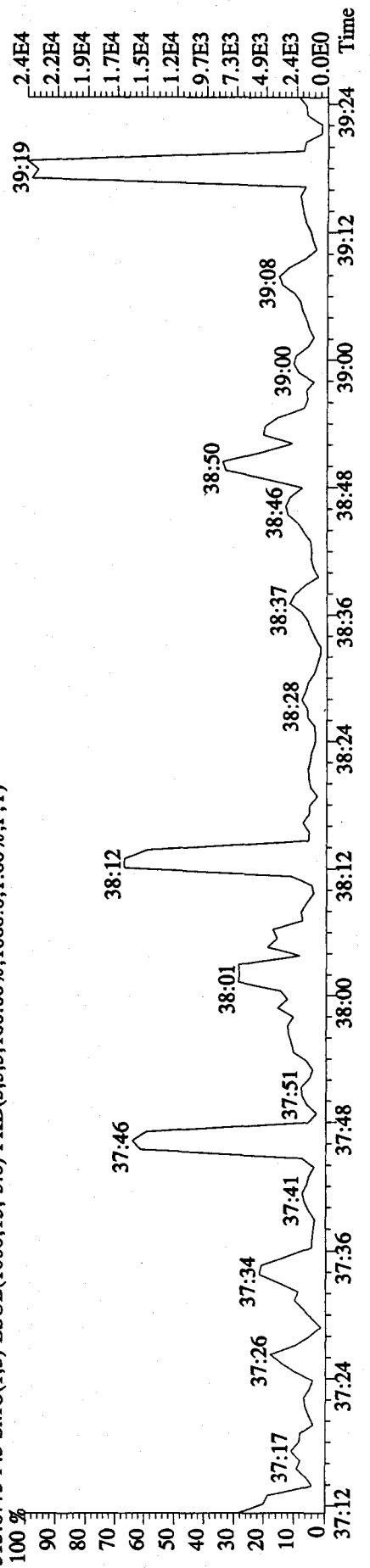
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4780.0,1.00%,F,T)



443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6504.0,1.00%,F,T)

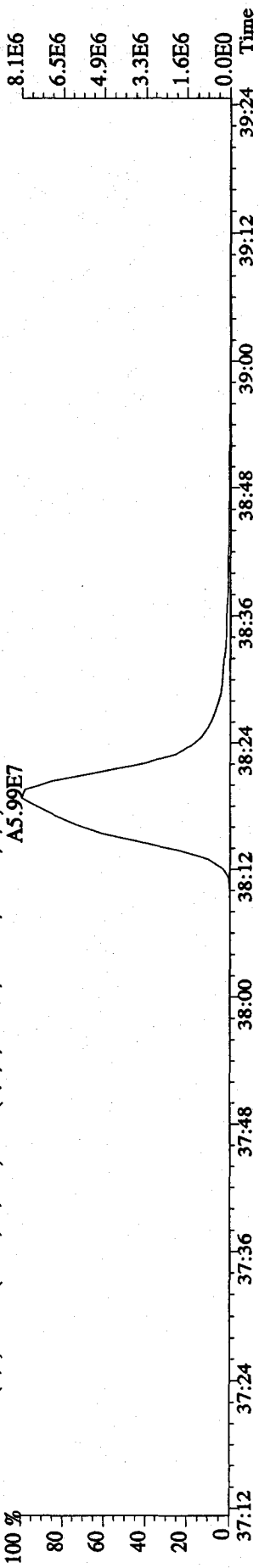


513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1860.0,1.00%,F,T)

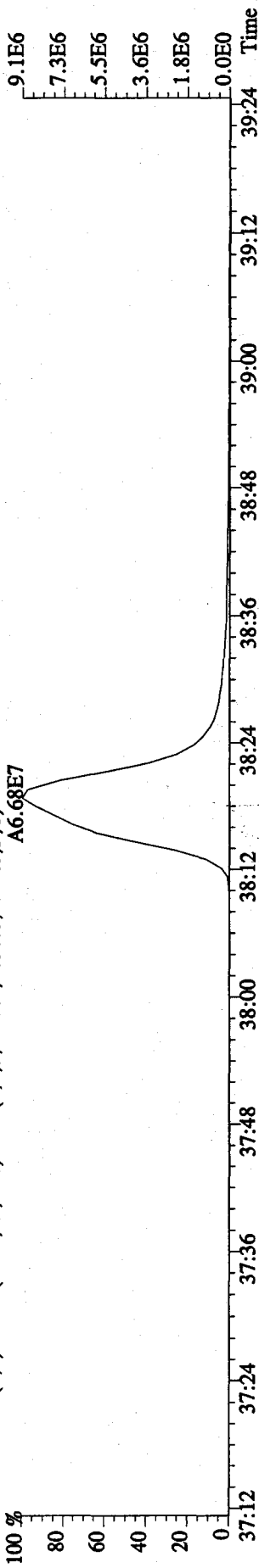


File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

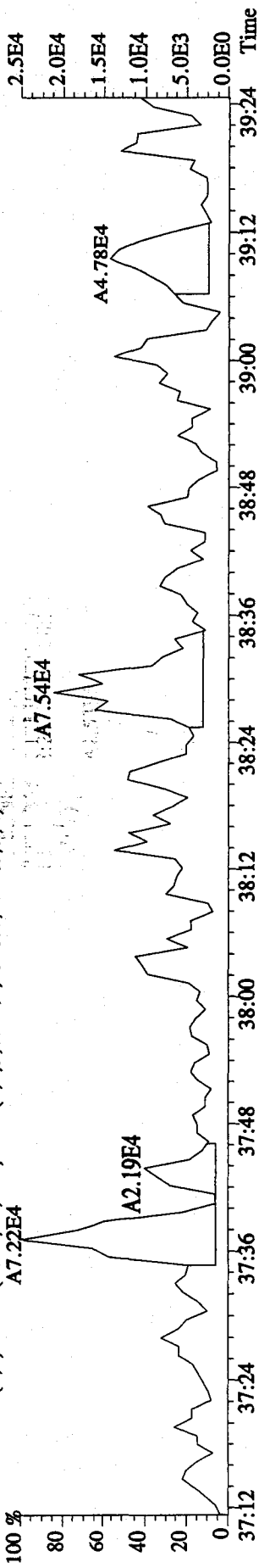
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7308.0,1.00%,F,T)  
 A5.99E7



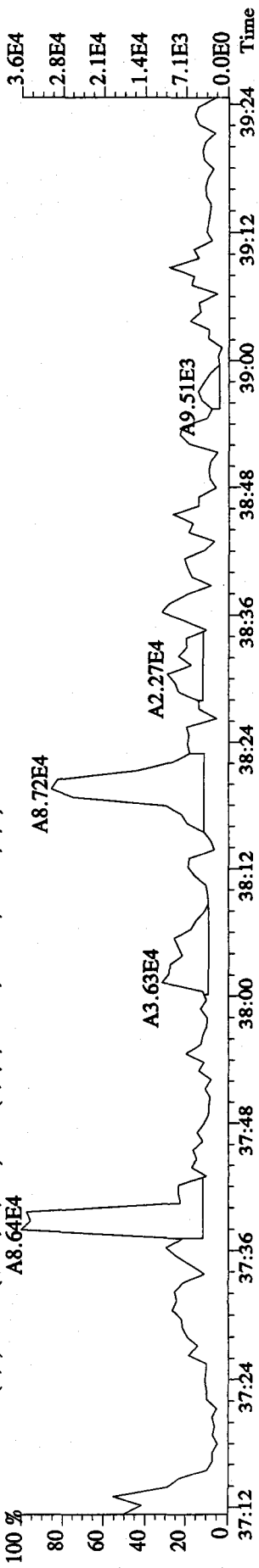
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9656.0,1.00%,F,T)  
 A6.68E7



469.7779 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7328.0,1.00%,F,T)

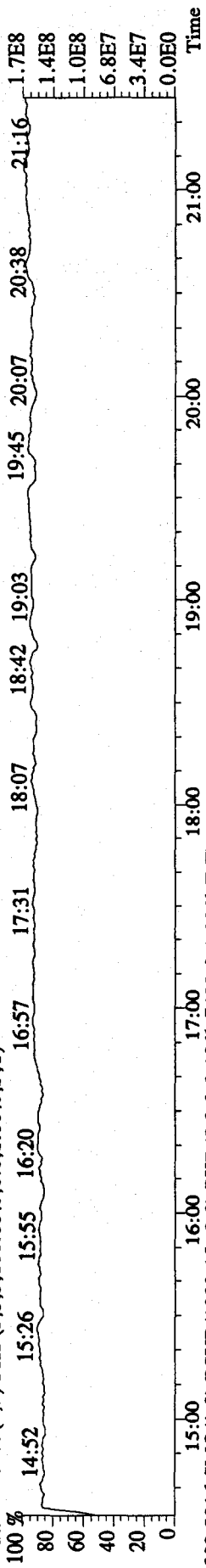


471.7750 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5024.0,1.00%,F,T)

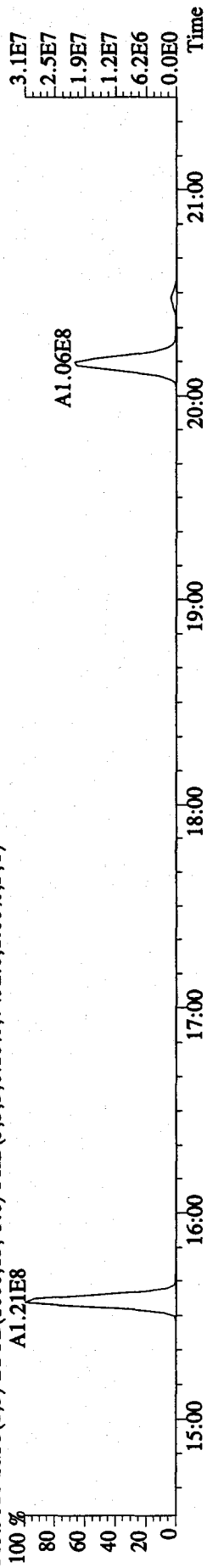




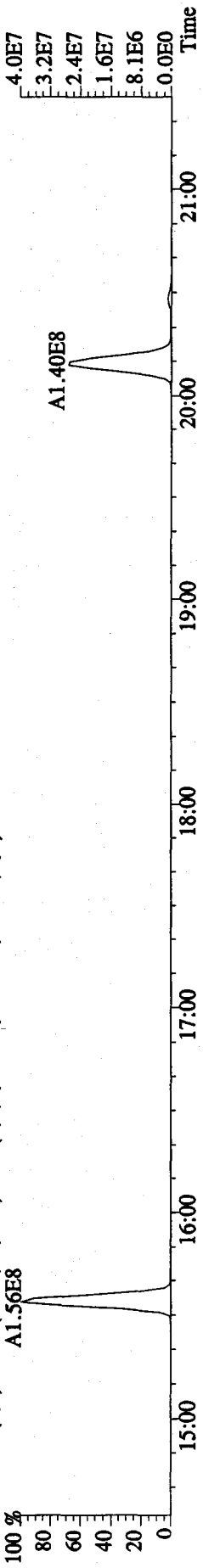
File:31DE09AID5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



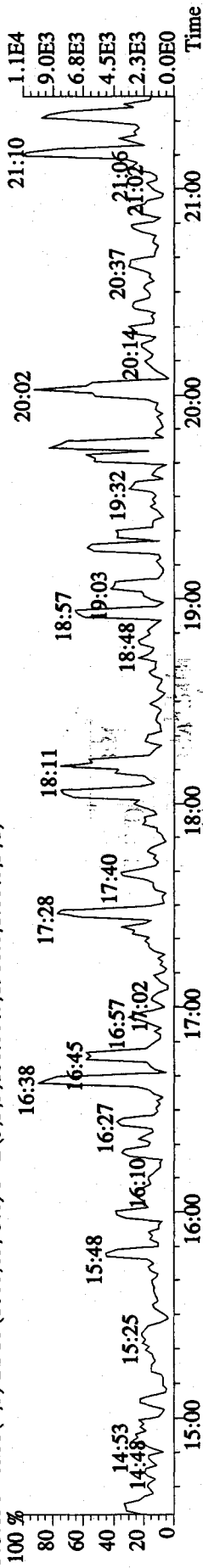
303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)



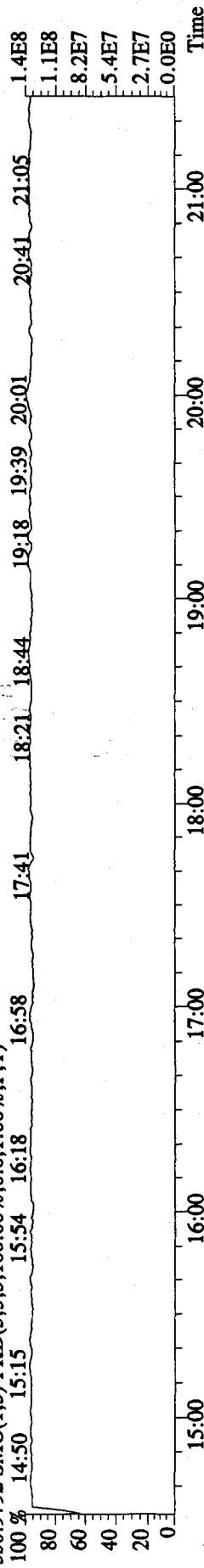
305.8987 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11284.0,1.00%,F,T)



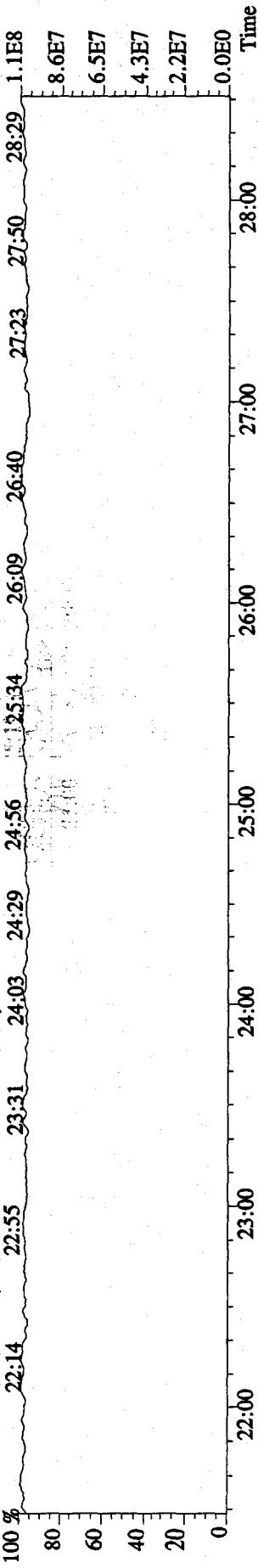
375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1960.0,1.00%,F,T)



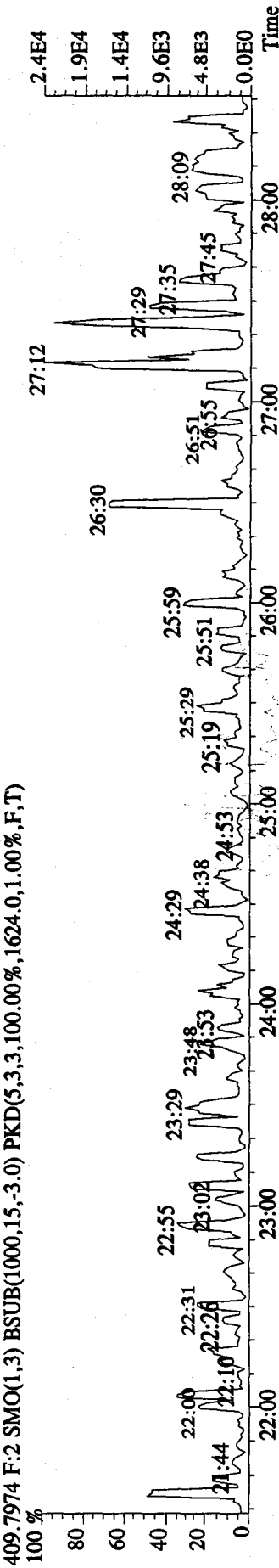
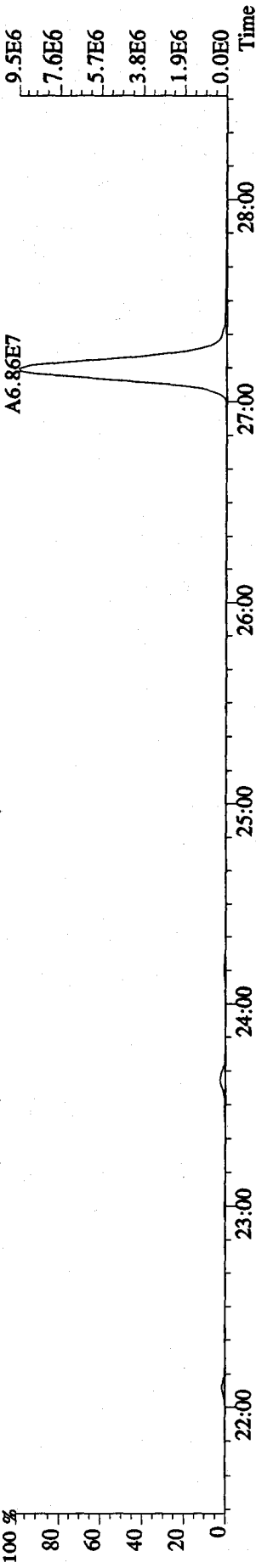
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



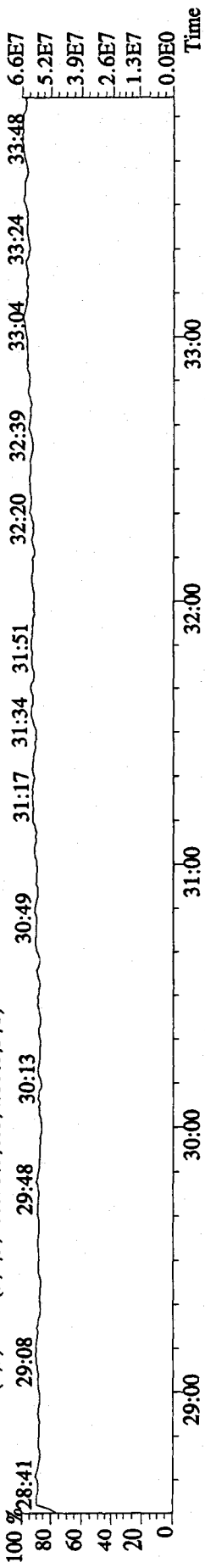
File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 22:14 22:55 23:31 24:03 24:29 24:56 25:34 26:09 26:40 27:23 27:50 28:29



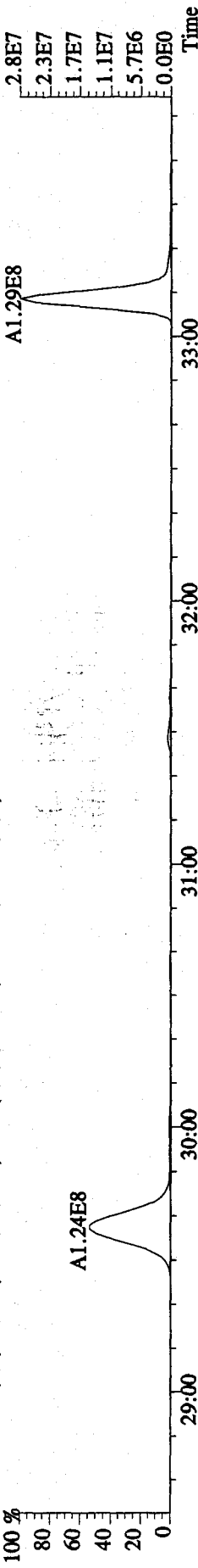
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7924,0,1.00%,F,T)  
 100 % 22:00 23:00 24:00 25:00 26:00 27:00 28:00



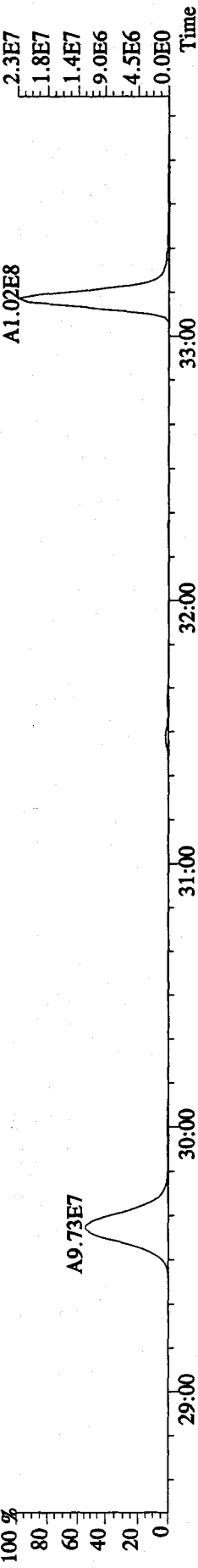
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



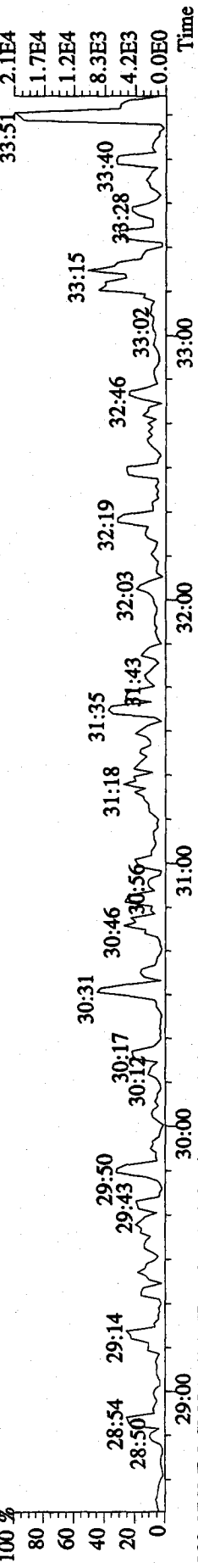
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16148.0,1.00%,F,T)



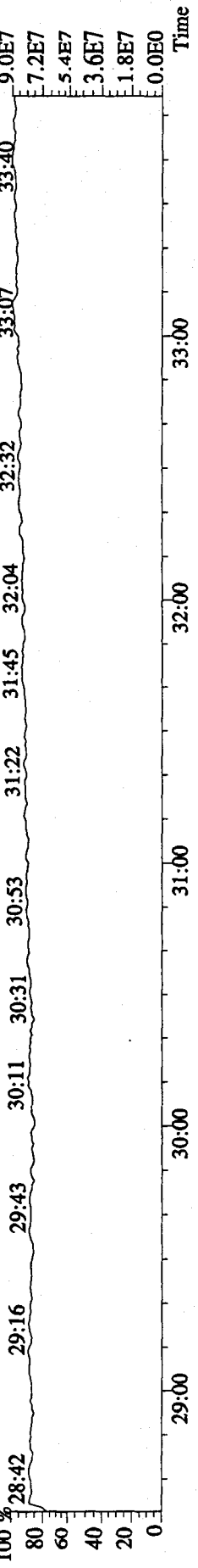
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7720.0,1.00%,F,T)



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)



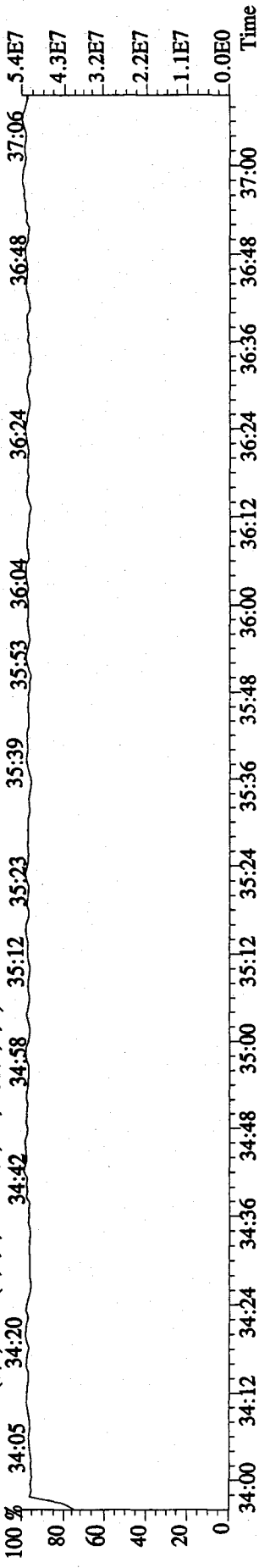
392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

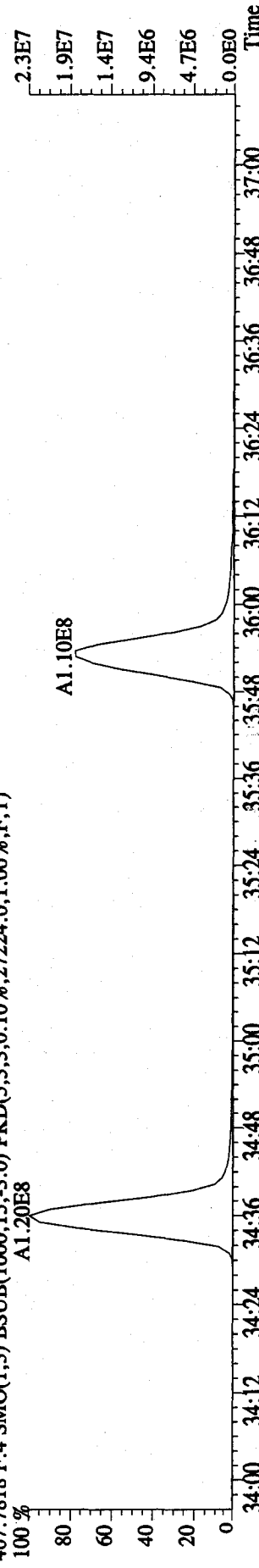
Sample#1 Text:CP1231A :DB-5 CFSM 3732-04 Exp:DIOXIN

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

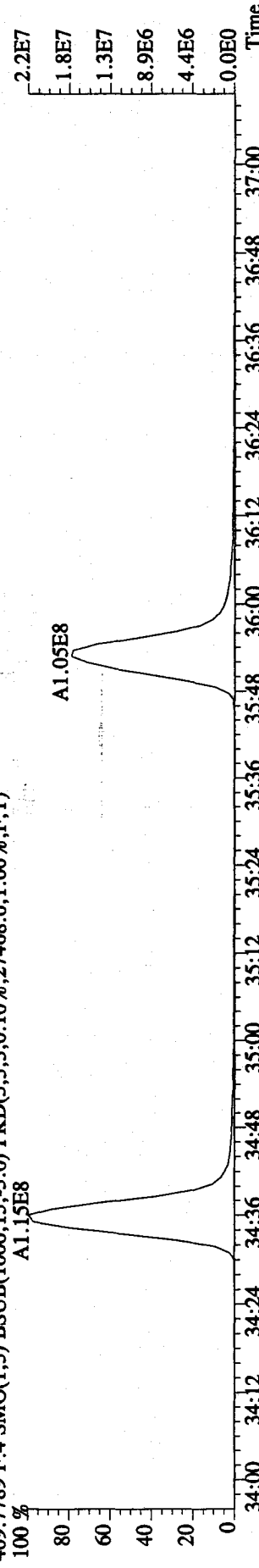
100 % 34:05 34:20 34:42 34:58 35:12 35:23 35:39 35:53 36:04 36:24 36:48 37:06



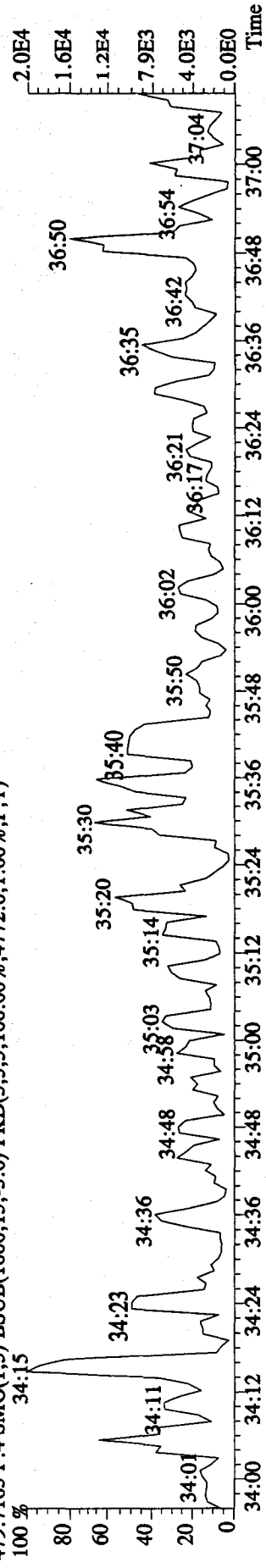
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27224.0,1.00%,F,T)



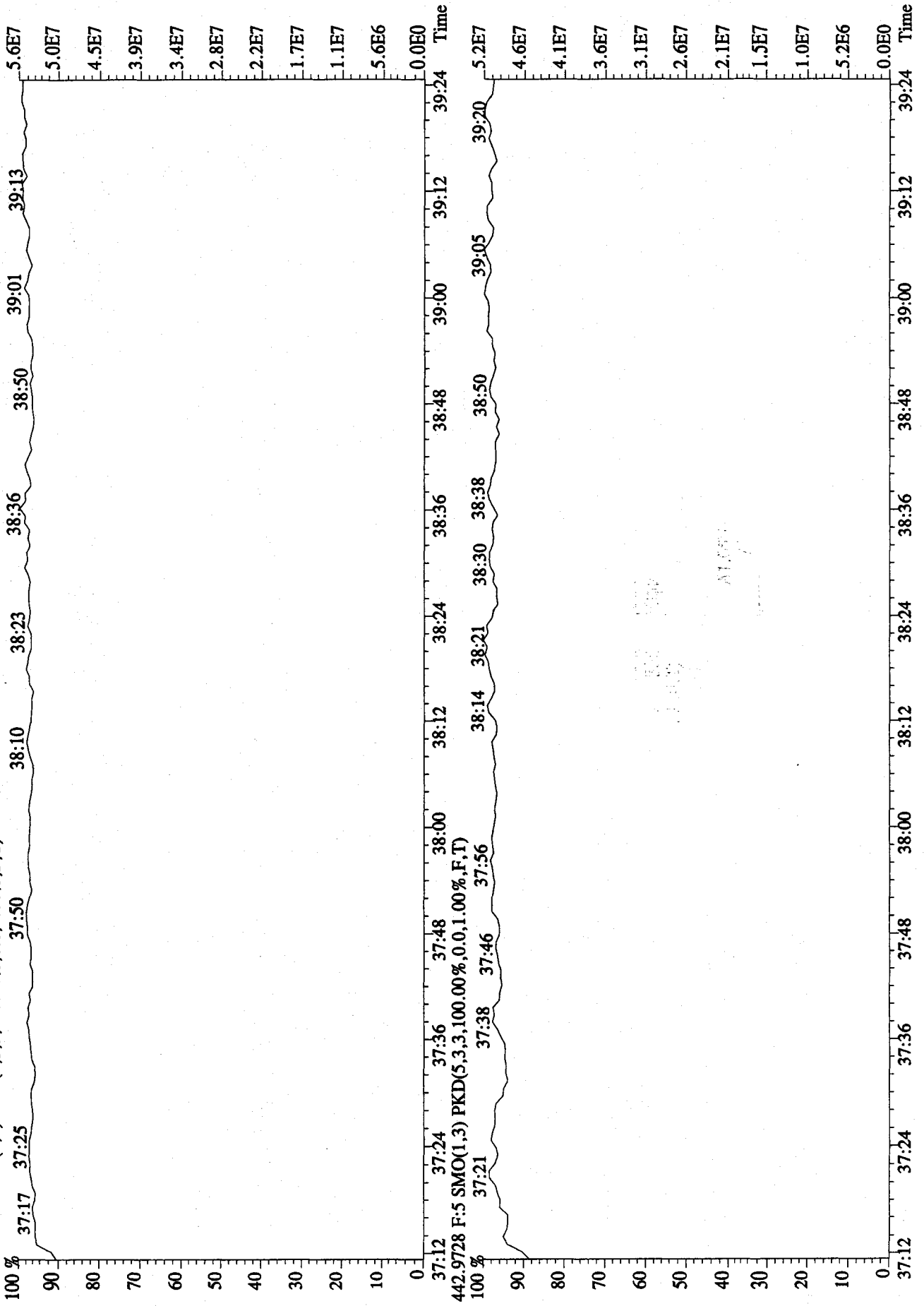
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27468.0,1.00%,F,T)



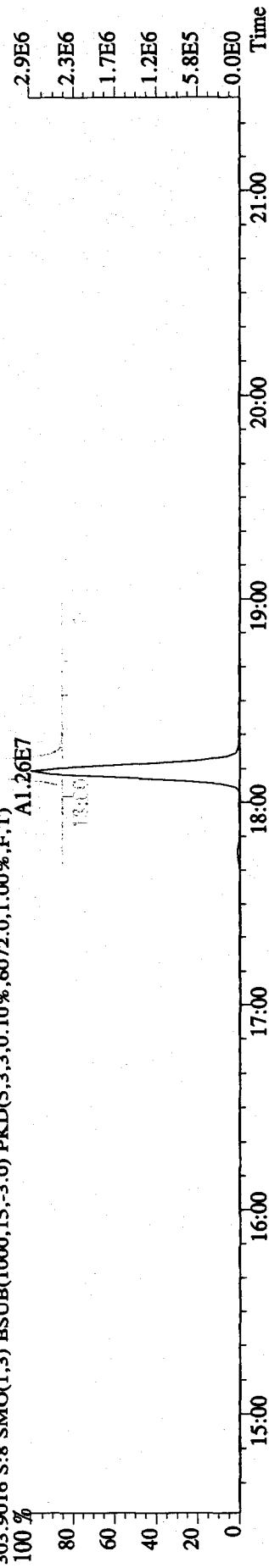
479.7165 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4772.0,1.00%,F,T)



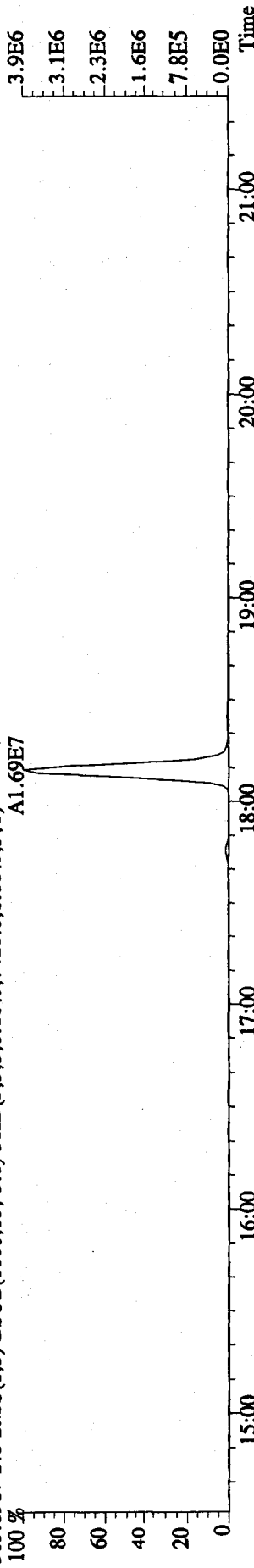
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 454.9728 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



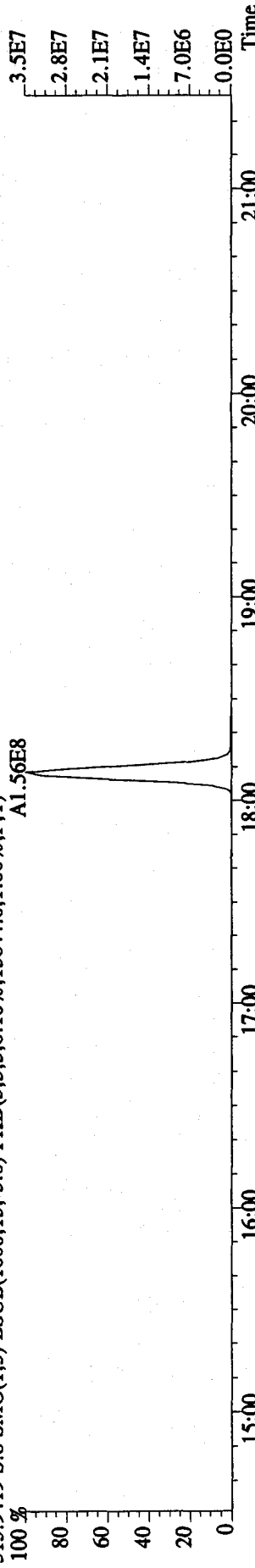
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
303.9016 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6072.0,1.00%,F,T)



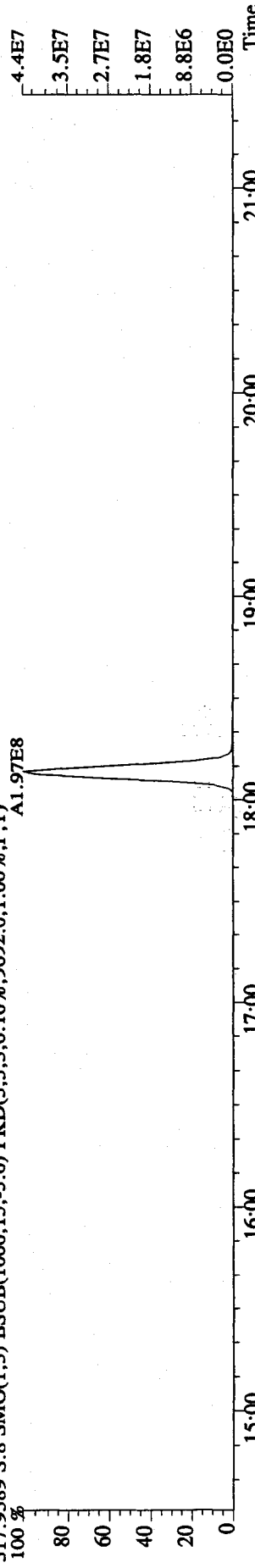
305.8987 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7420.0,1.00%,F,T)



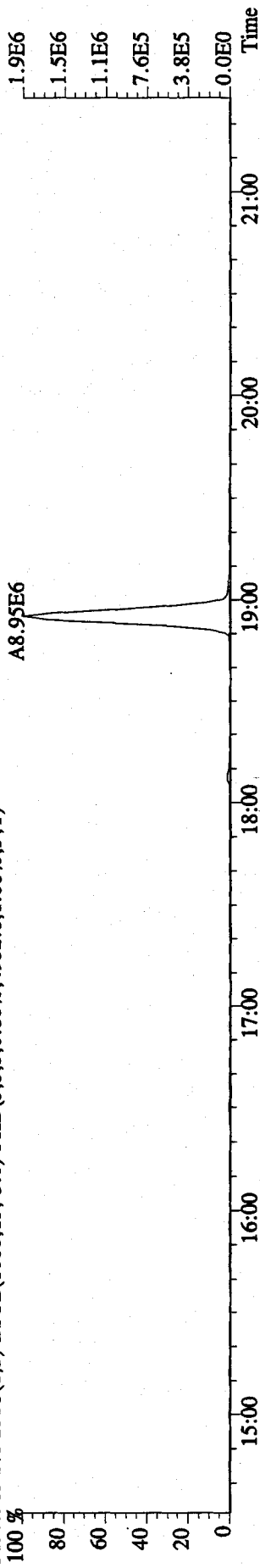
315.9419 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,15844.0,1.00%,F,T)



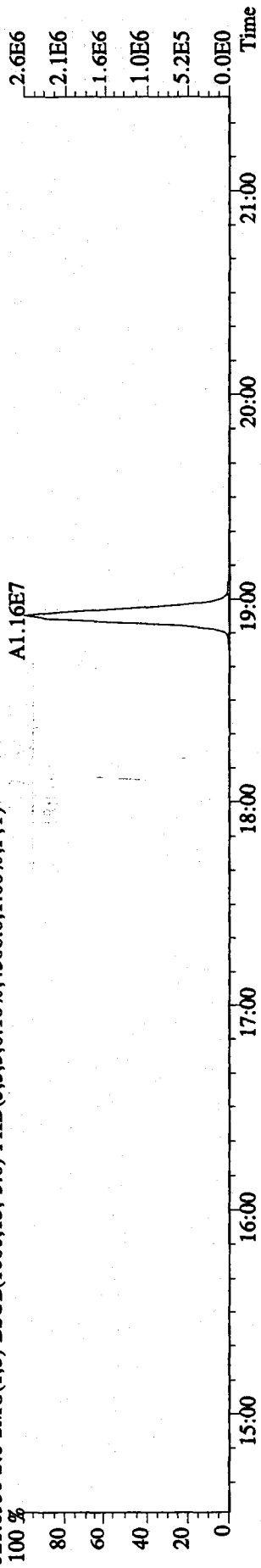
317.9389 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9692.0,1.00%,F,T)



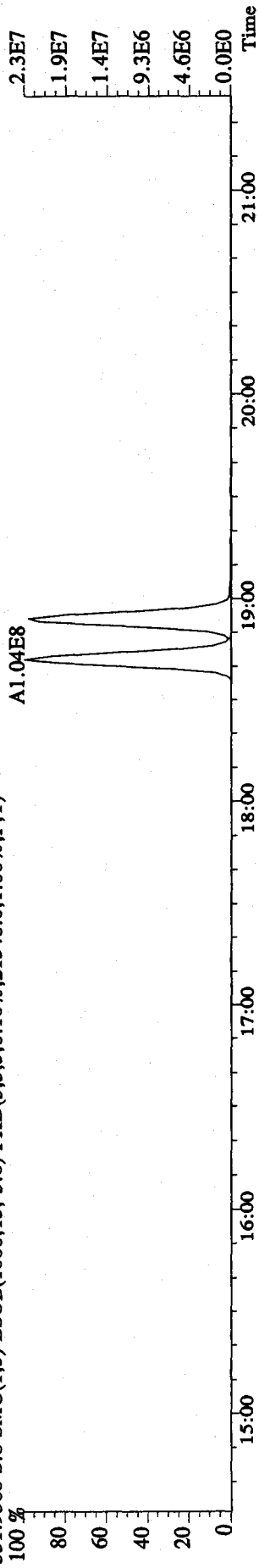
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4932.0,1.00%,F,T)



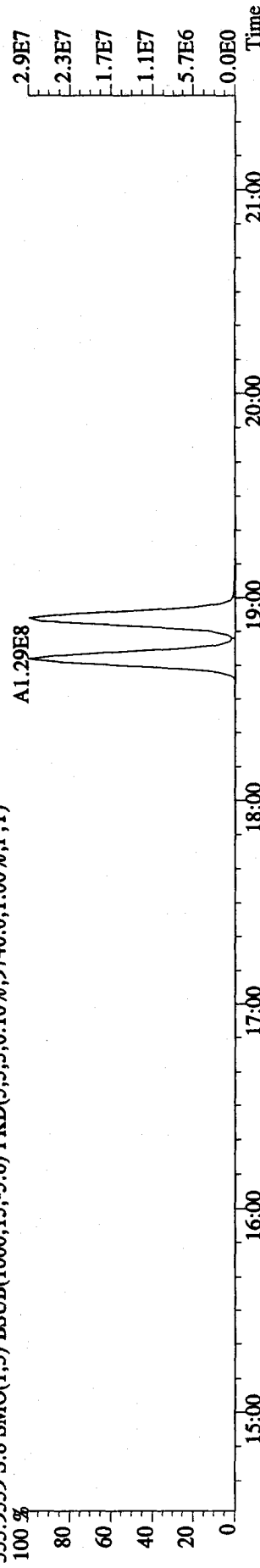
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4508.0,1.00%,F,T)



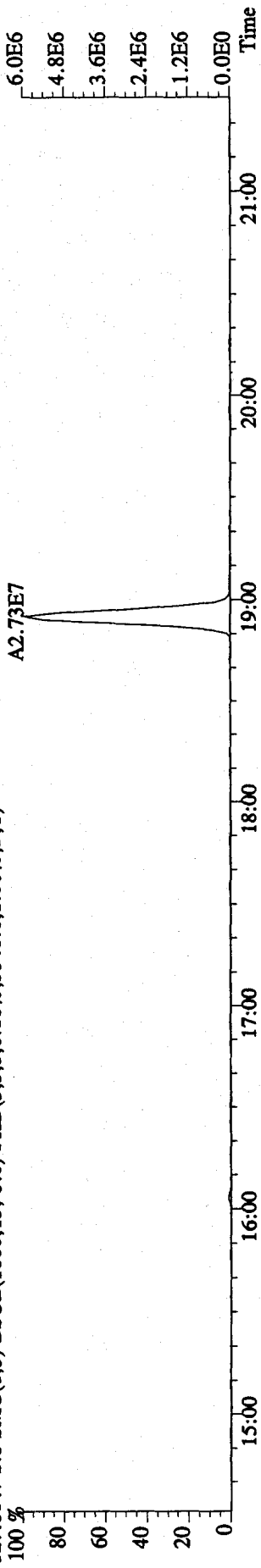
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21348.0,1.00%,F,T)



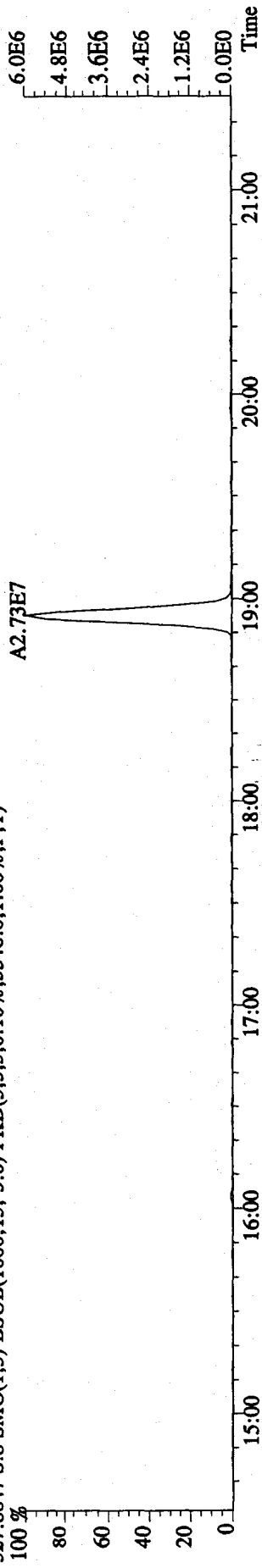
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9740.0,1.00%,F,T)



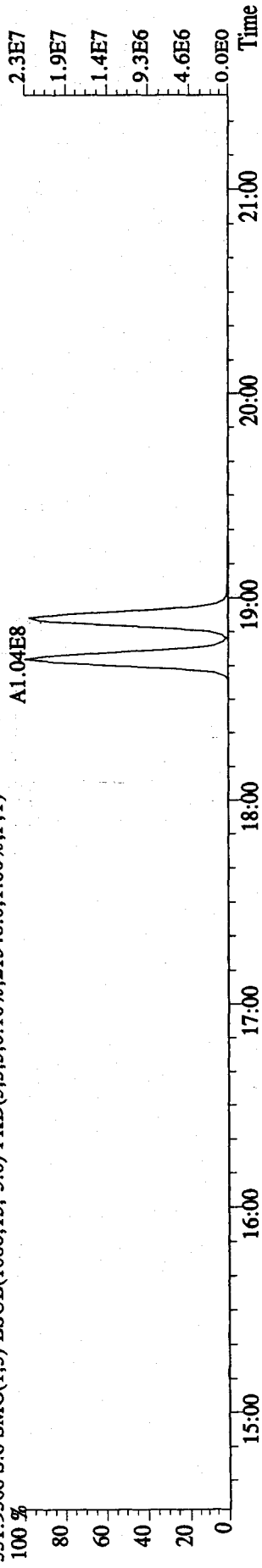
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5548.0,1.00%,F,T)



327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5548.0,1.00%,F,T)



331.9368 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21348.0,1.00%,F,T)

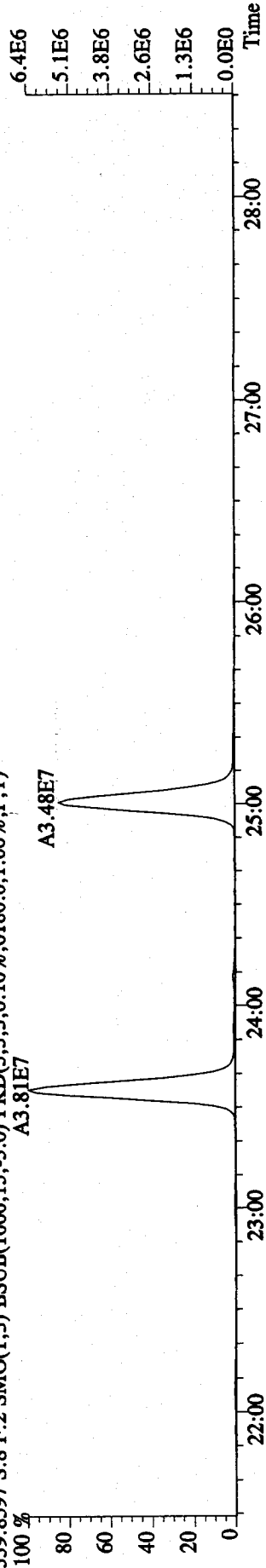


333.9339 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9740.0,1.00%,F,T)

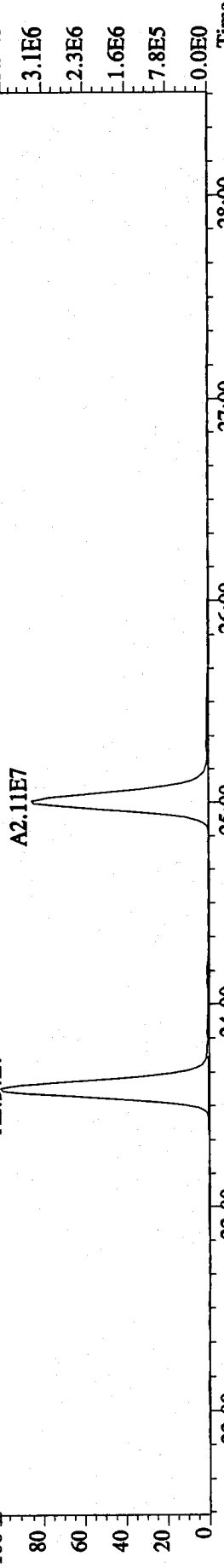


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

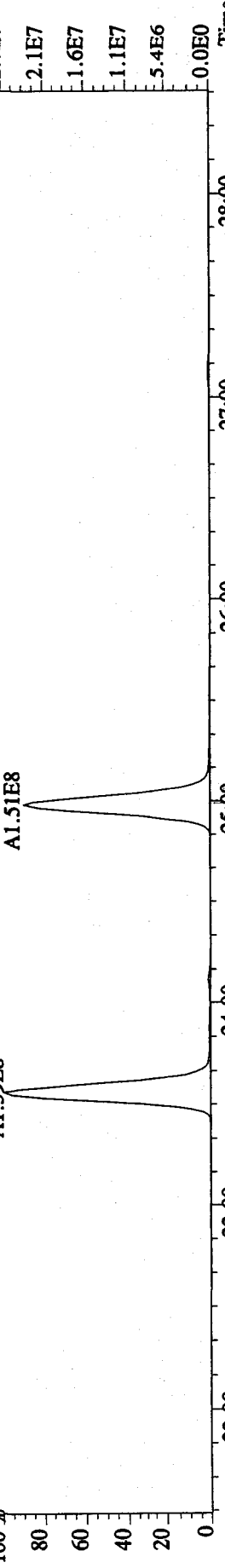
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6180.0,1.00%,F,T)



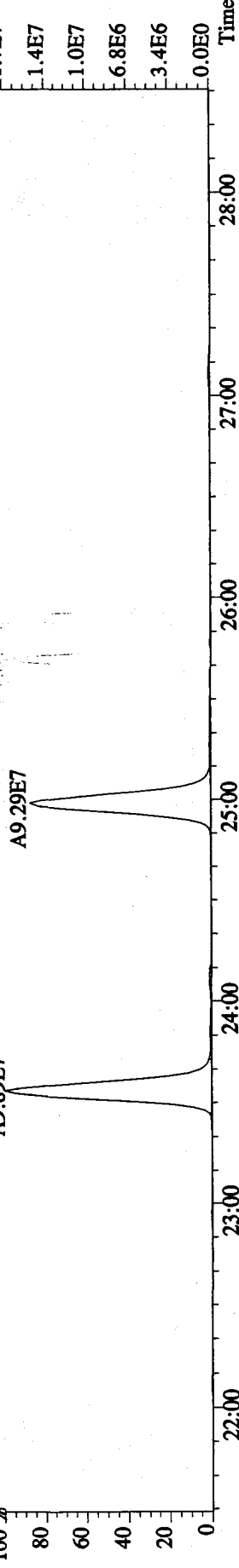
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)



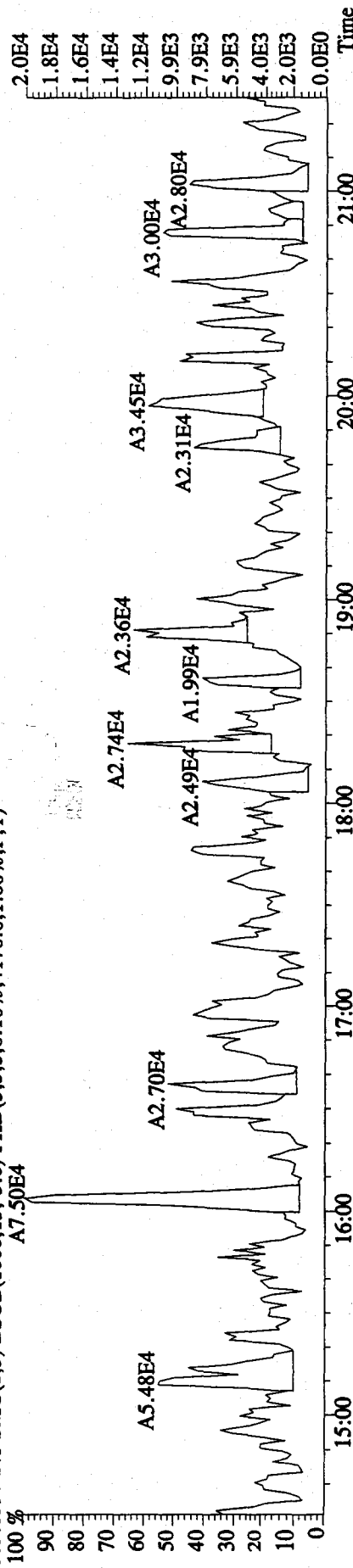
351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5832.0,1.00%,F,T)



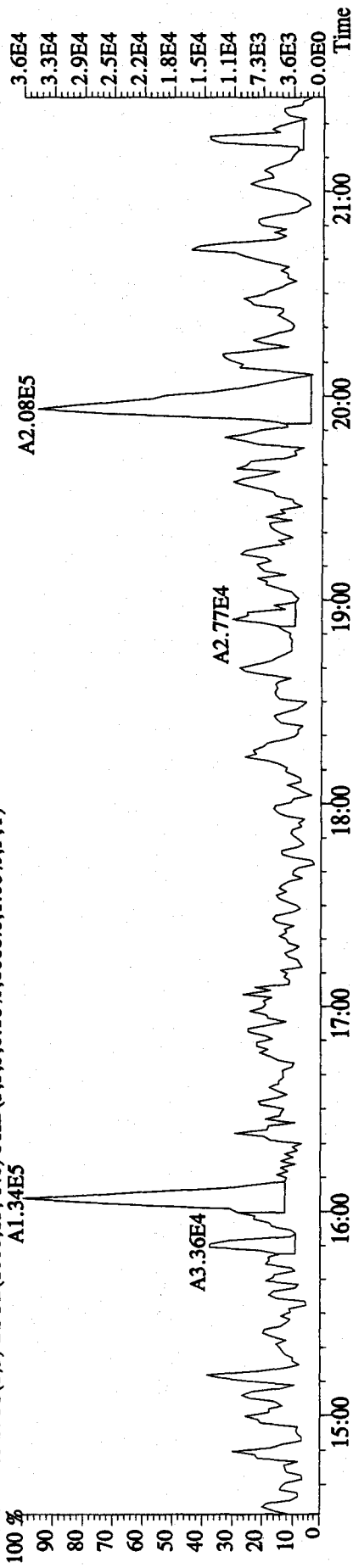
353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8500.0,1.00%,F,T)



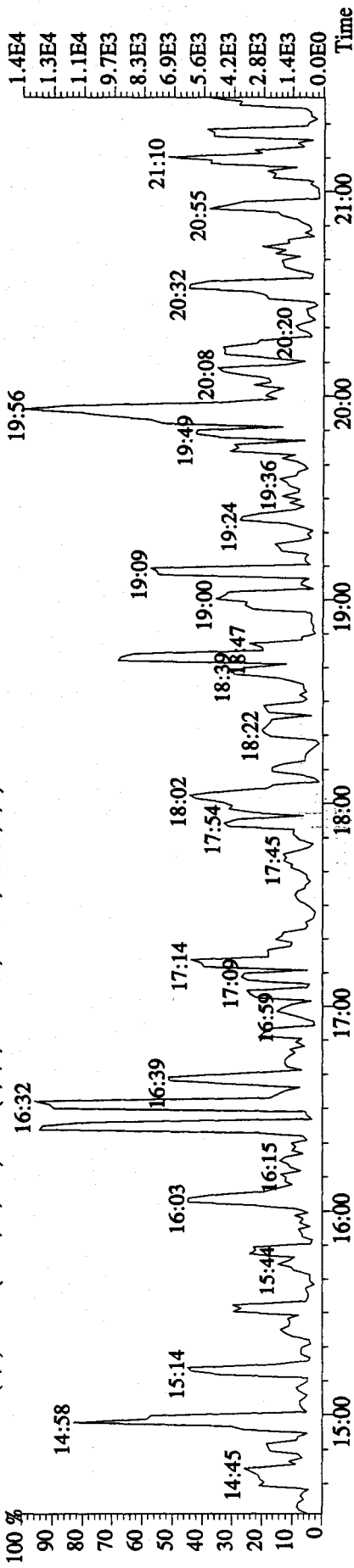
File:31DE09AID5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 339.8597 S-8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)



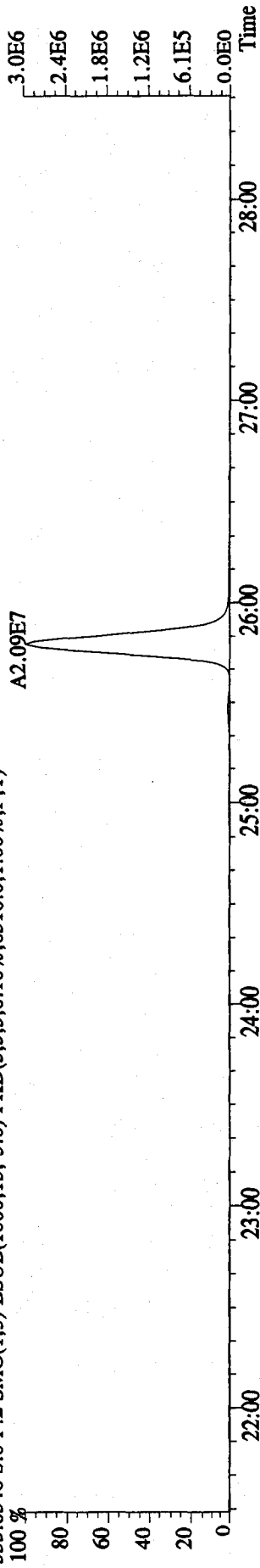
341.8567 S-8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6668.0,1.00%,F,T)



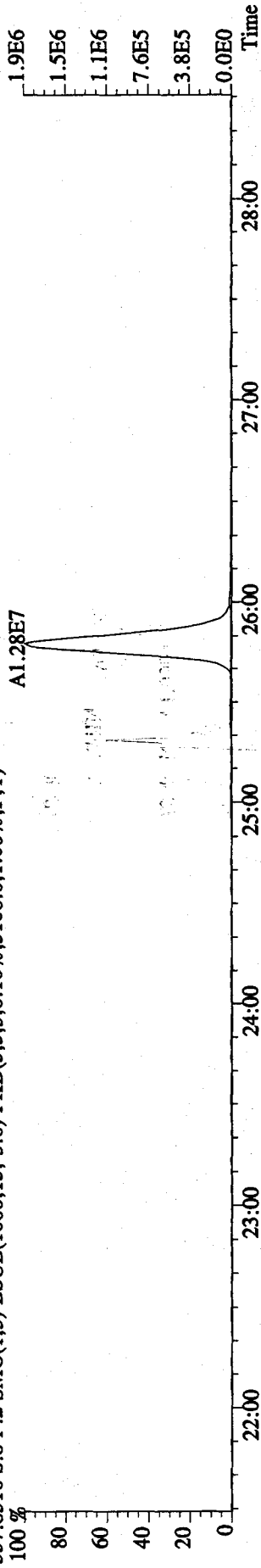
409.7974 S-8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1216.0,1.00%,F,T)



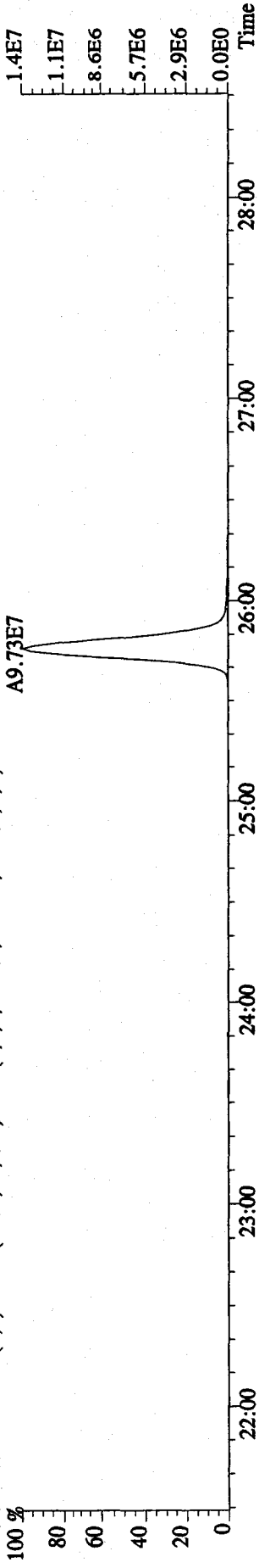
File:3IDE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.6516,0,1.00%,F,T)



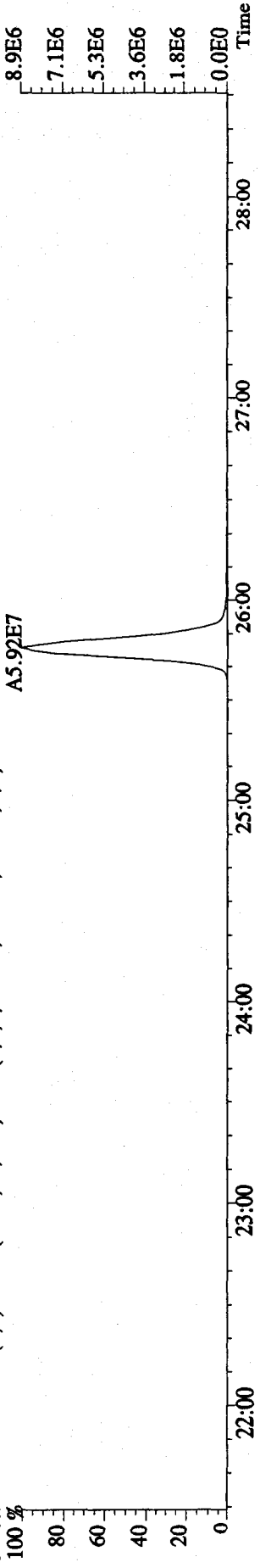
357.8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3108,0,1.00%,F,T)



367.8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.4432,0,1.00%,F,T)



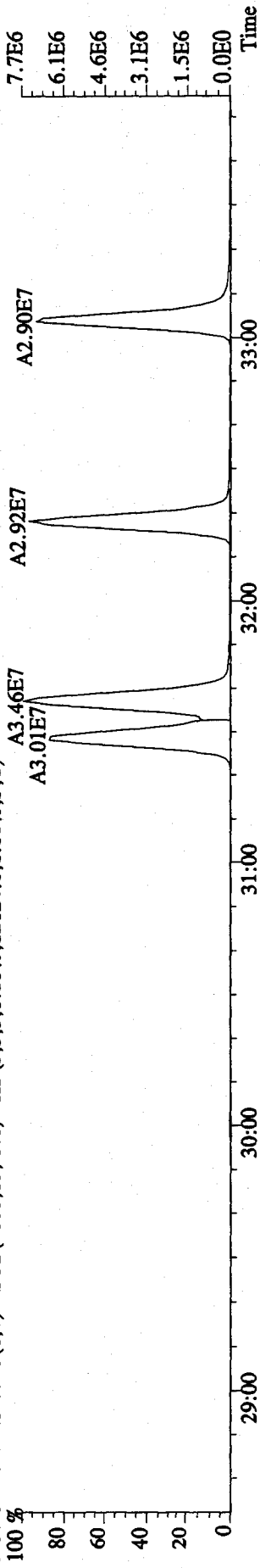
369.8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.4412,0,1.00%,F,T)



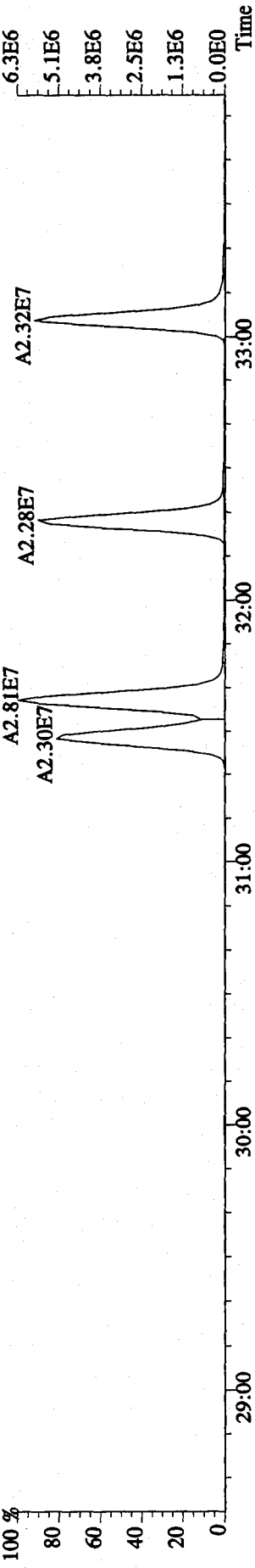
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

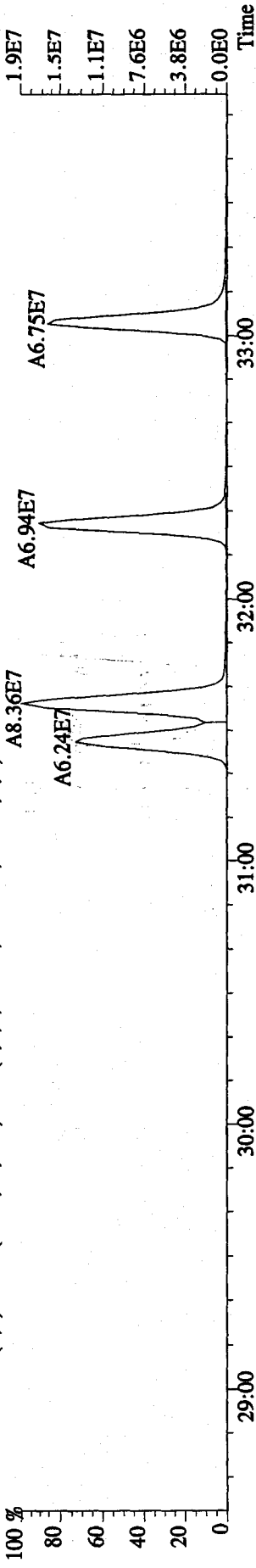
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12624.0,1.00%,F,T)



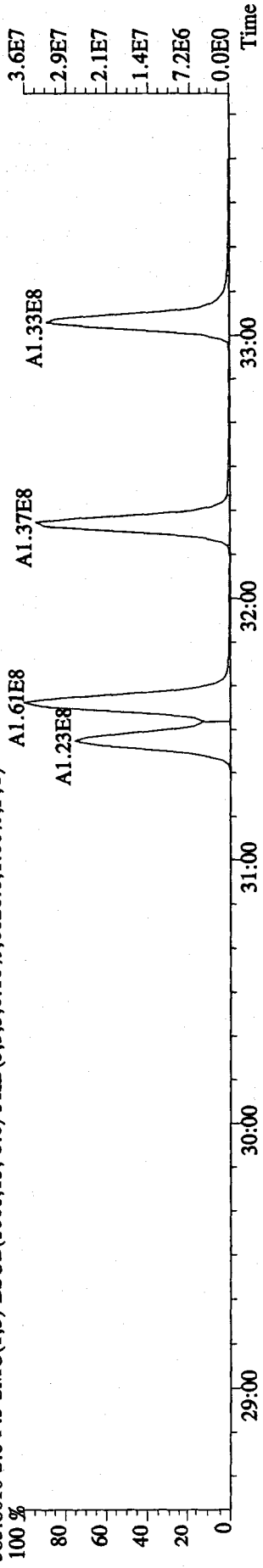
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7352.0,1.00%,F,T)



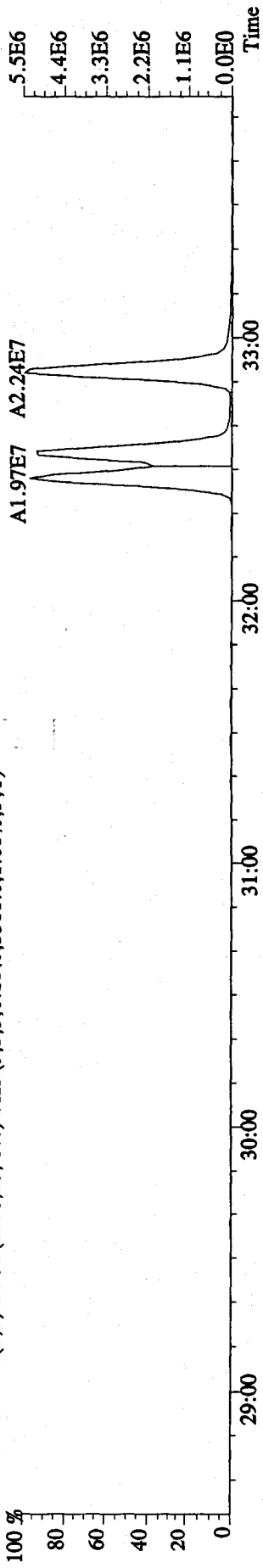
383.8639 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,22688.0,1.00%,F,T)



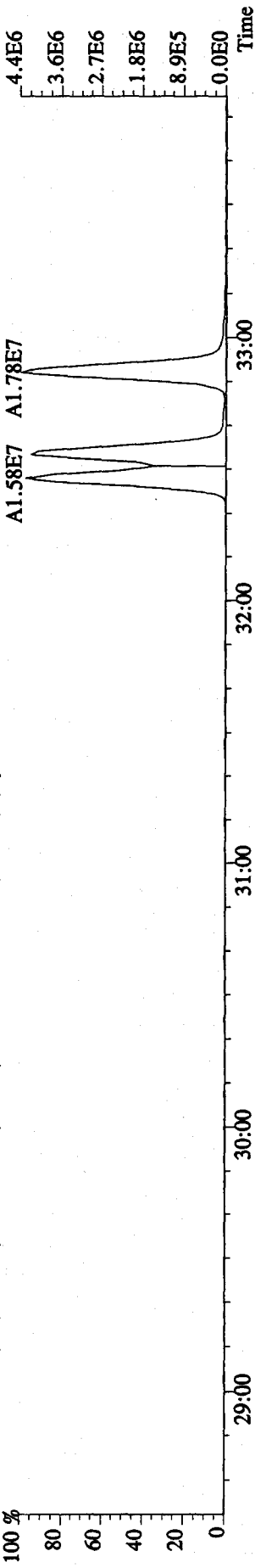
385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6020.0,1.00%,F,T)



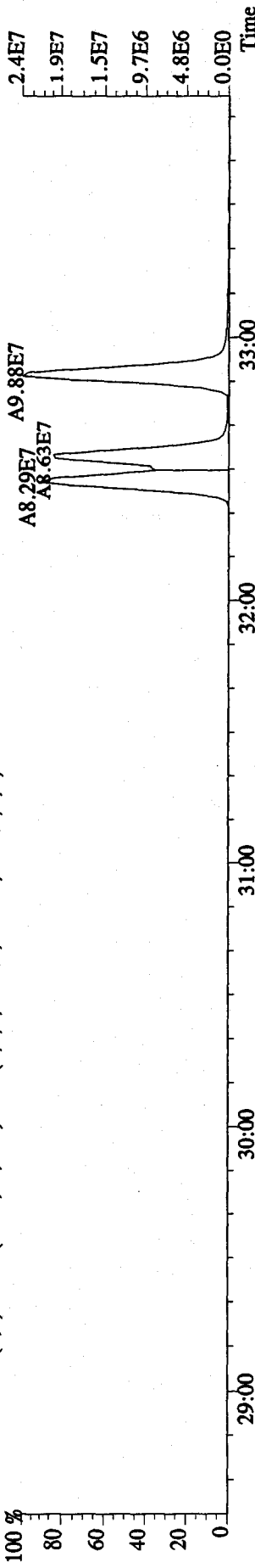
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 389.8157 S:8 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3308.0,1.00%,F,T)



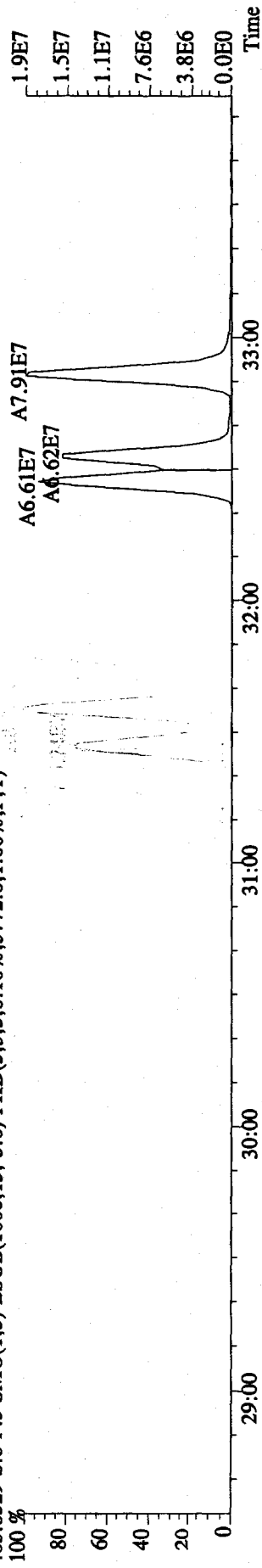
391.8127 S:8 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6032.0,1.00%,F,T)



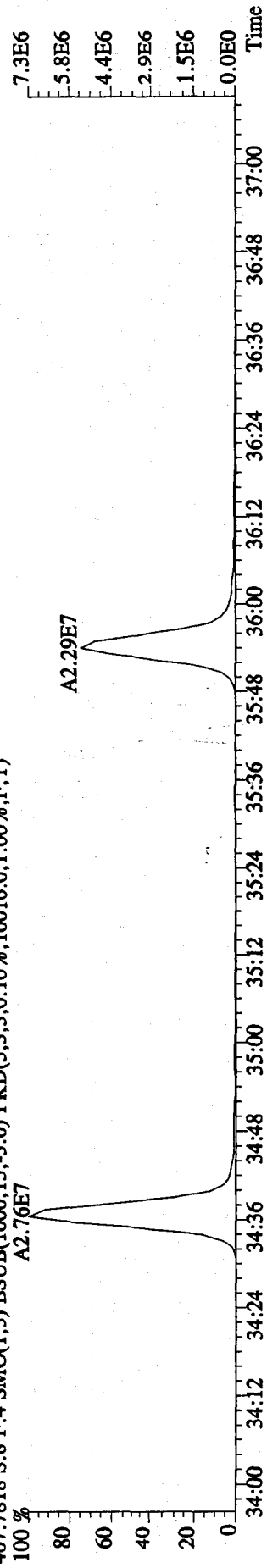
401.8559 S:8 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2996.0,1.00%,F,T)



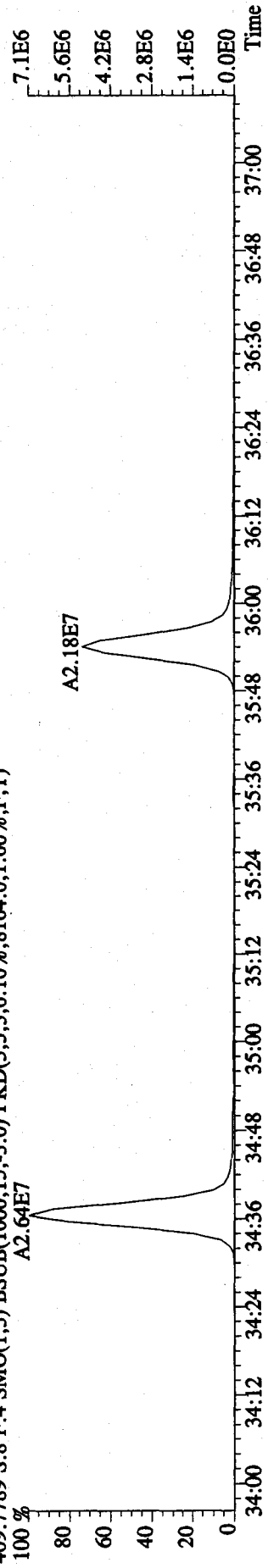
403.8529 S:8 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



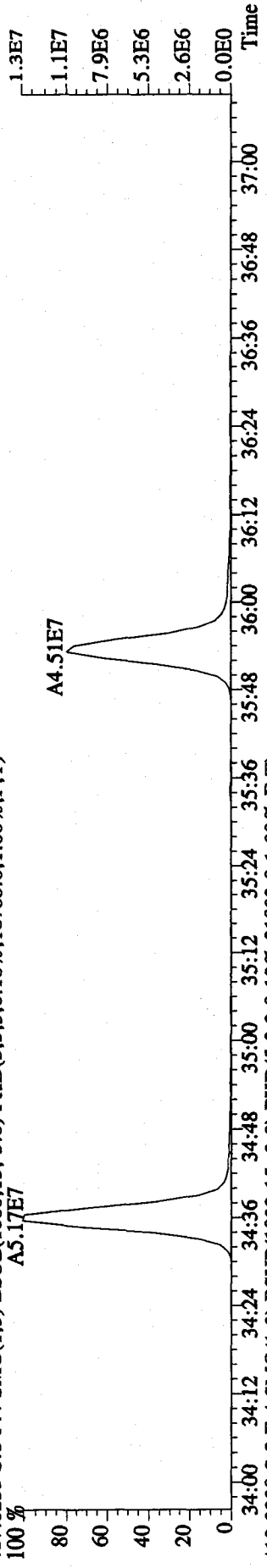
File: 3IDE09AID5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN  
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10016.0,1.00%,F,T)



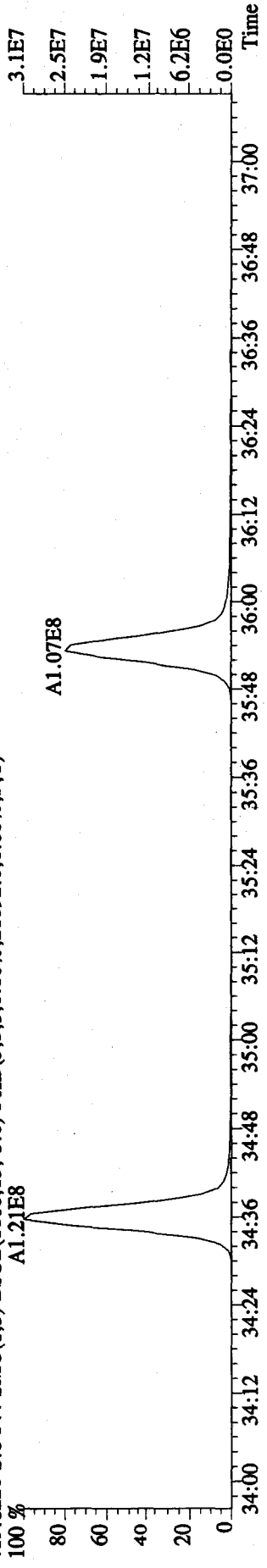
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8164.0,1.00%,F,T)



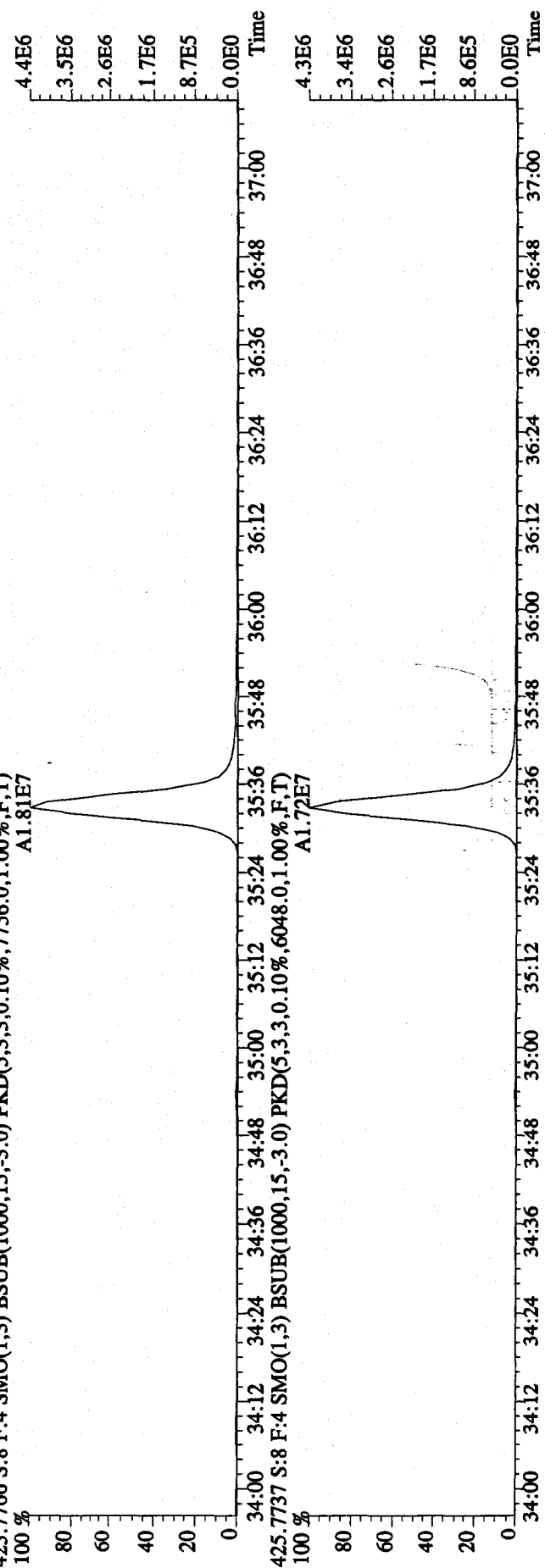
417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16768.0,1.00%,F,T)



419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21892.0,1.00%,F,T)

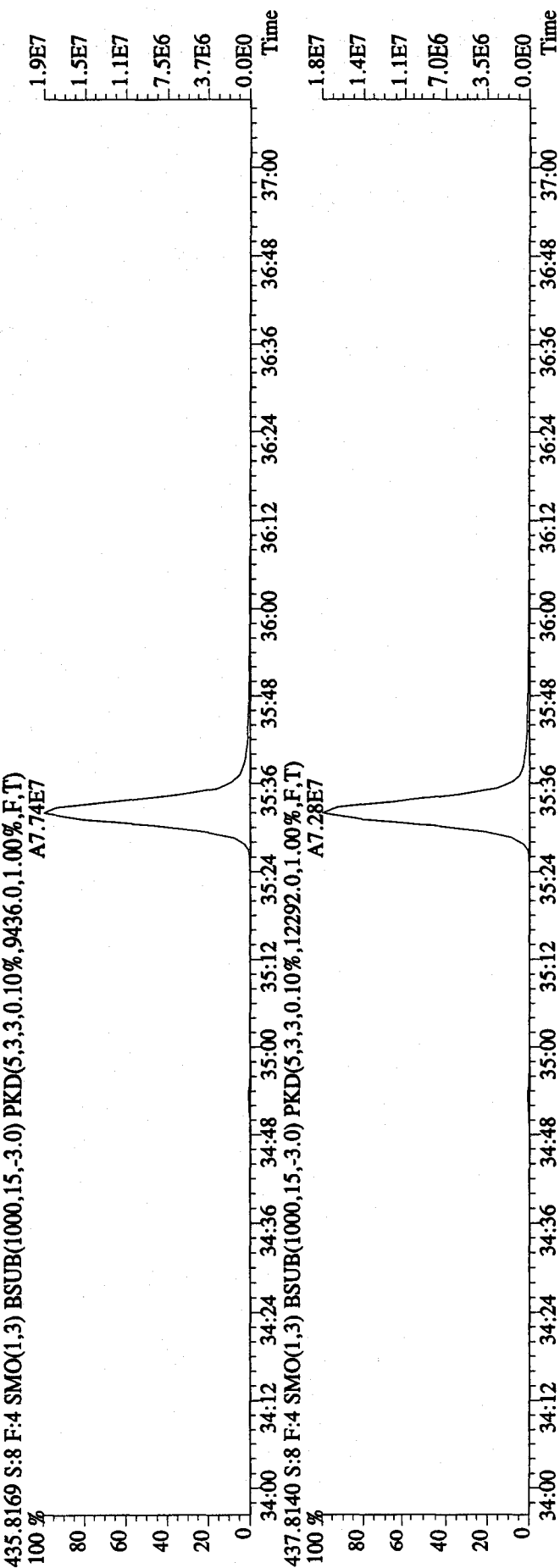


File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7756.0,1.00%,F,T)  
 A1.81E7



425.7737 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6048.0,1.00%,F,T)  
 A1.72E7

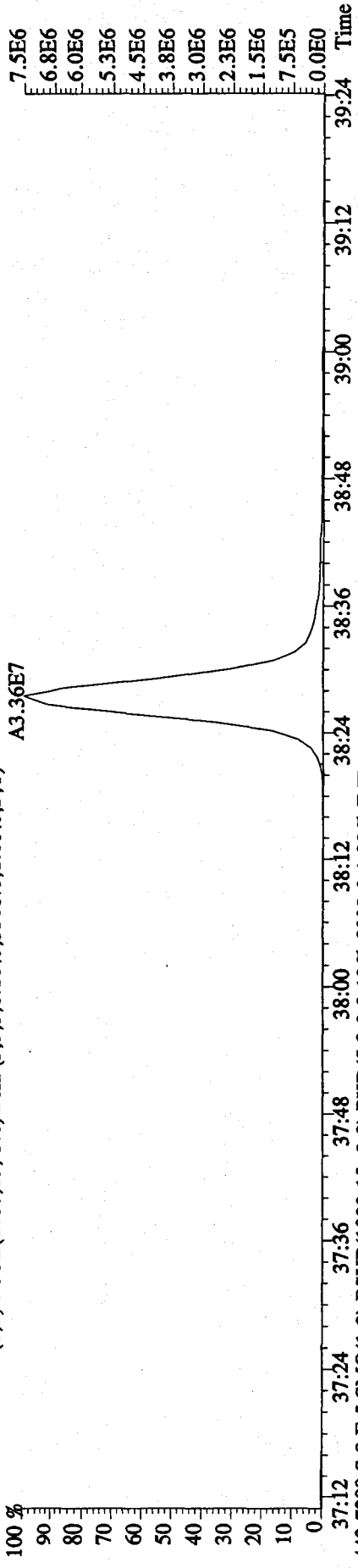
435.8169 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9436.0,1.00%,F,T)  
 A7.74E7



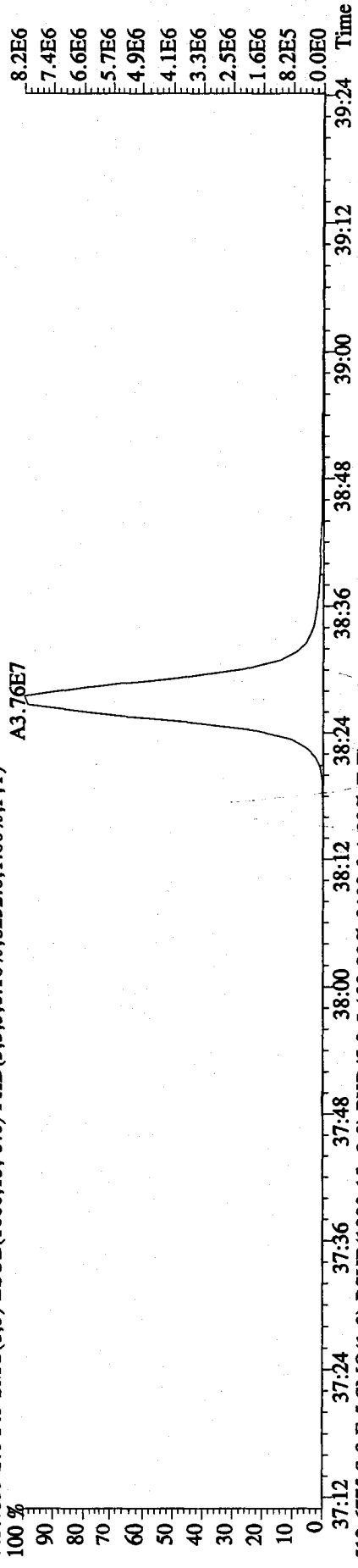
437.8140 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12292.0,1.00%,F,T)  
 A7.28E7

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

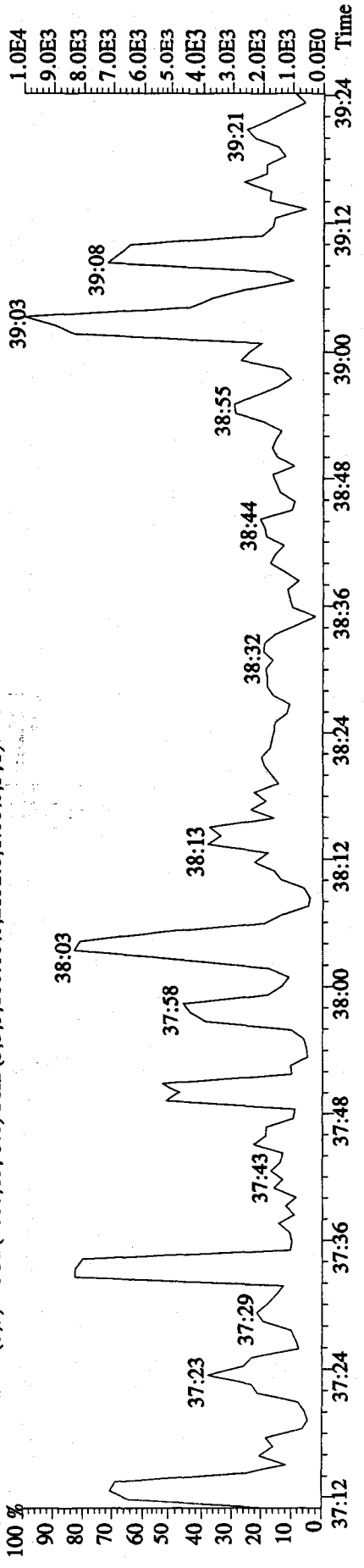
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5508.0,1.00%,F,T)



443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8232.0,1.00%,F,T)



513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2132.0,1.00%,F,T)



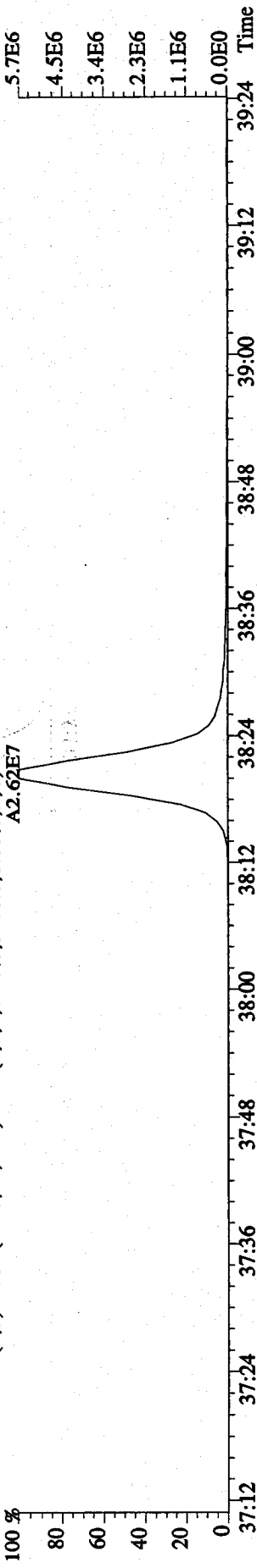


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

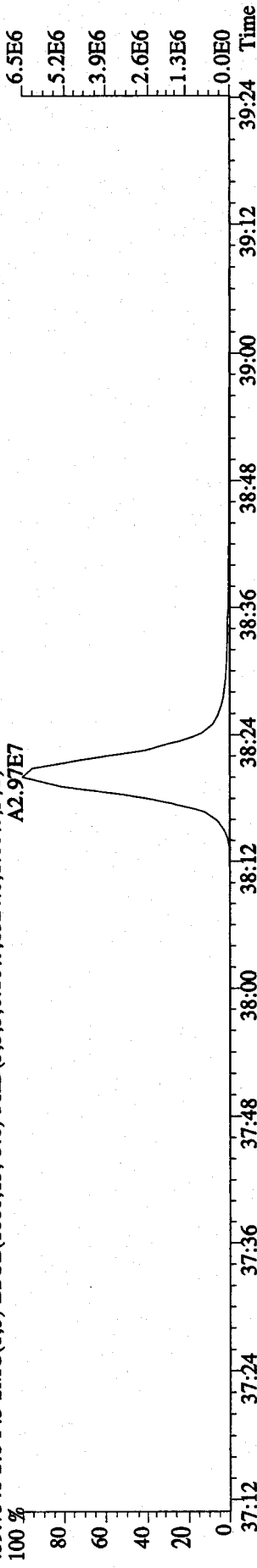
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5416.0,1.00%,F,T)

A2.62E7



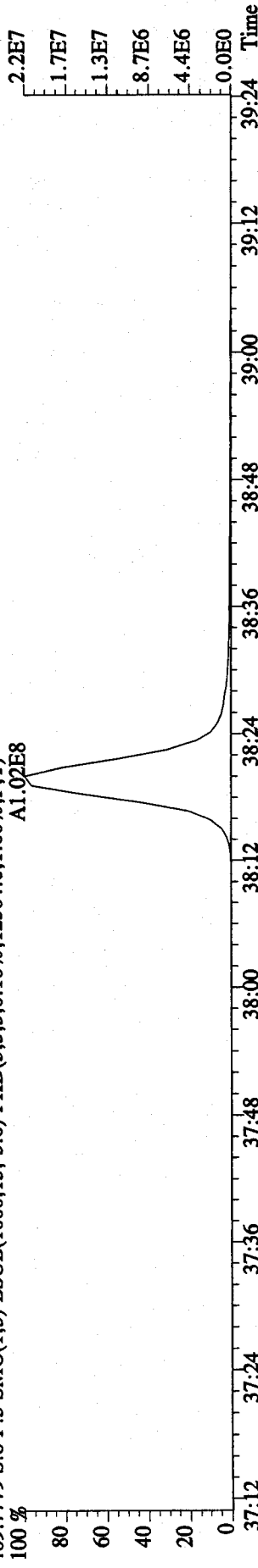
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6324.0,1.00%,F,T)

A2.97E7



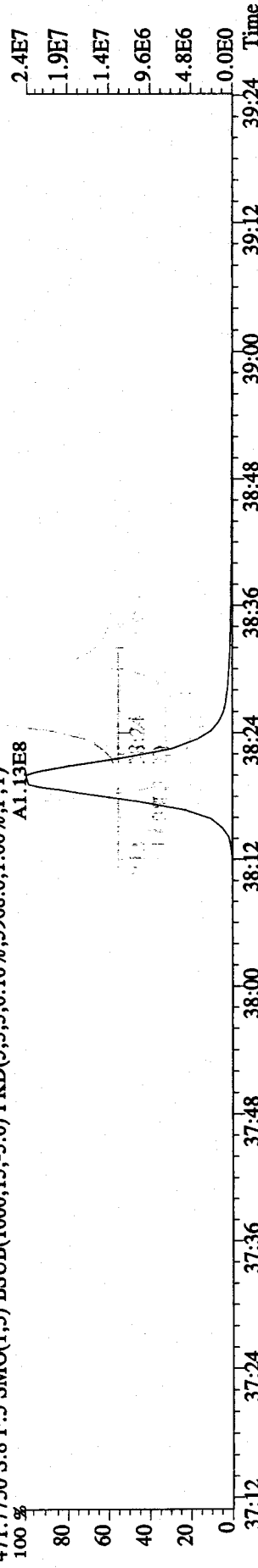
469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12504.0,1.00%,F,T)

A1.02E8

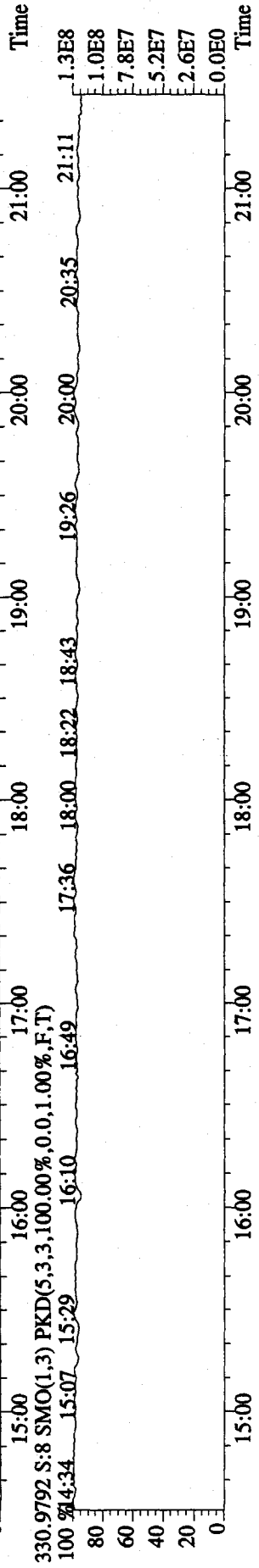
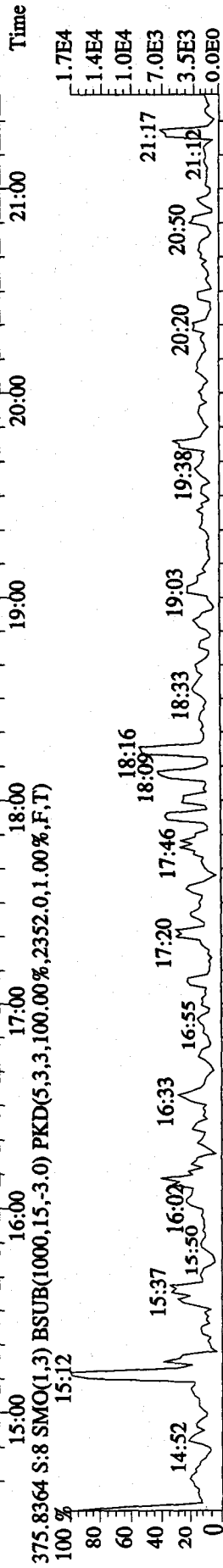
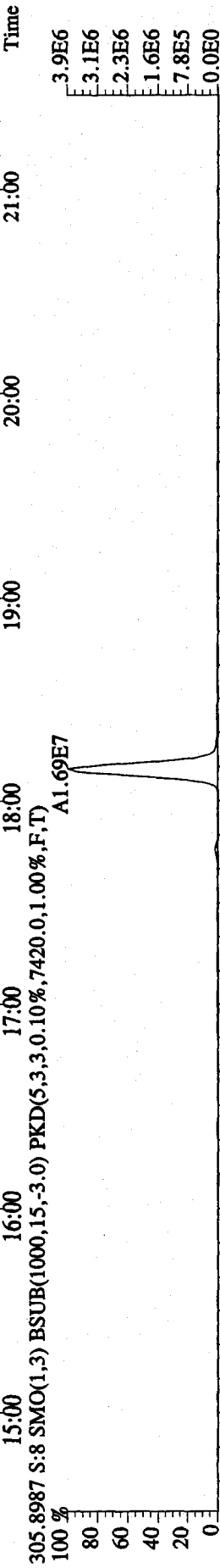
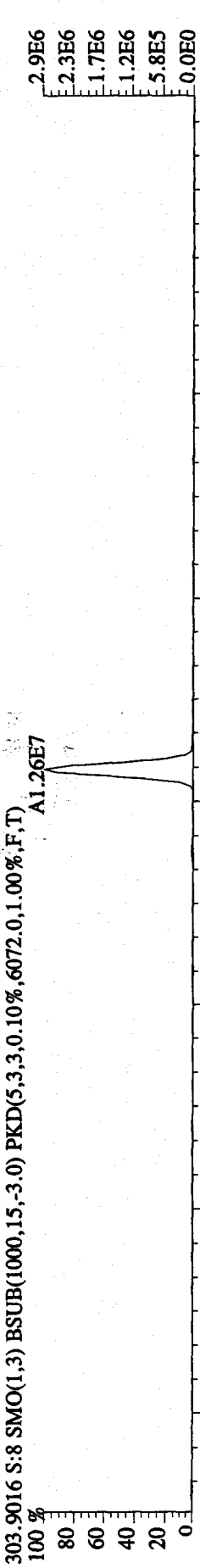
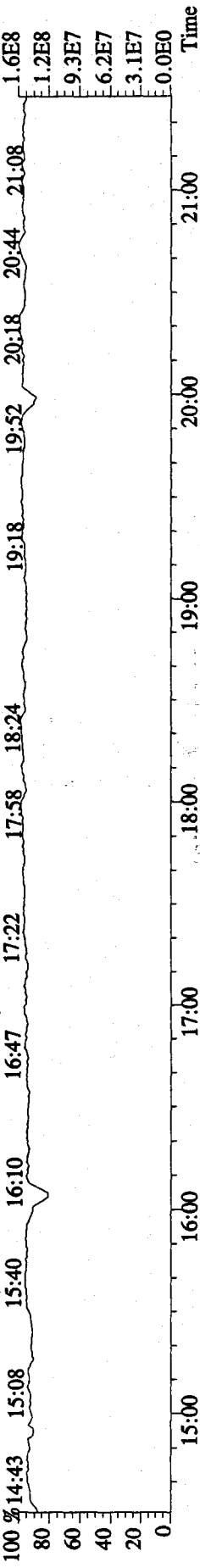


471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5968.0,1.00%,F,T)

A1.13E8



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)  
 100 % 14:43 15:08 15:40 16:10 16:47 17:22 17:58 18:24 19:18 19:52 20:18 20:44 21:08

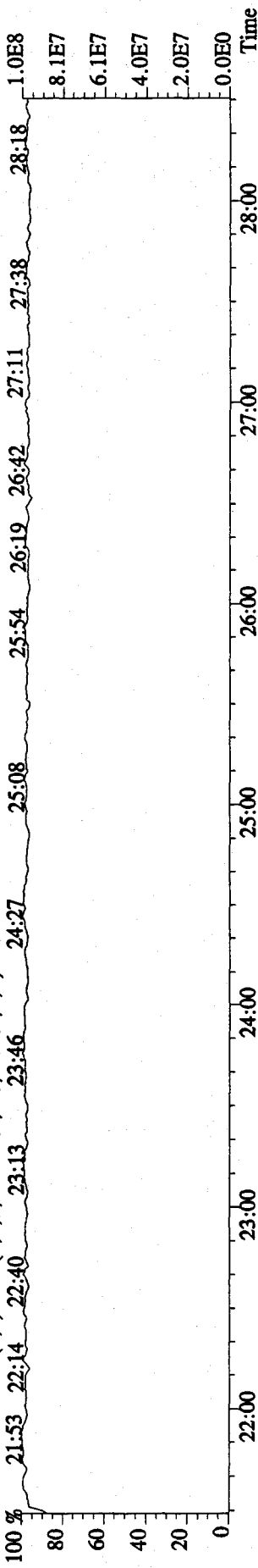


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

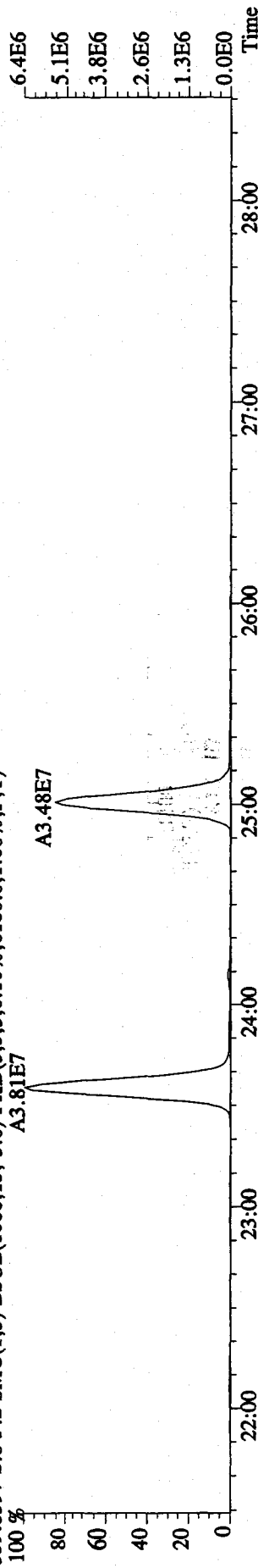
342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,0.10%,0.0,1.00%,F,T)

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



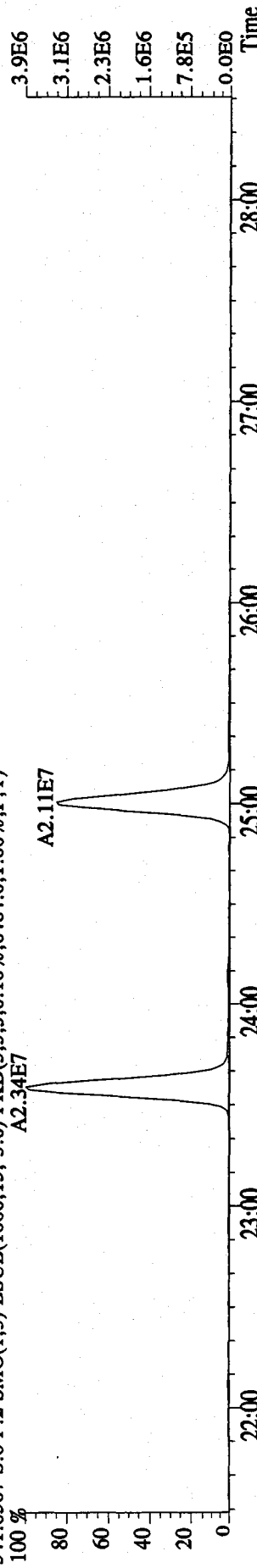
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)

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



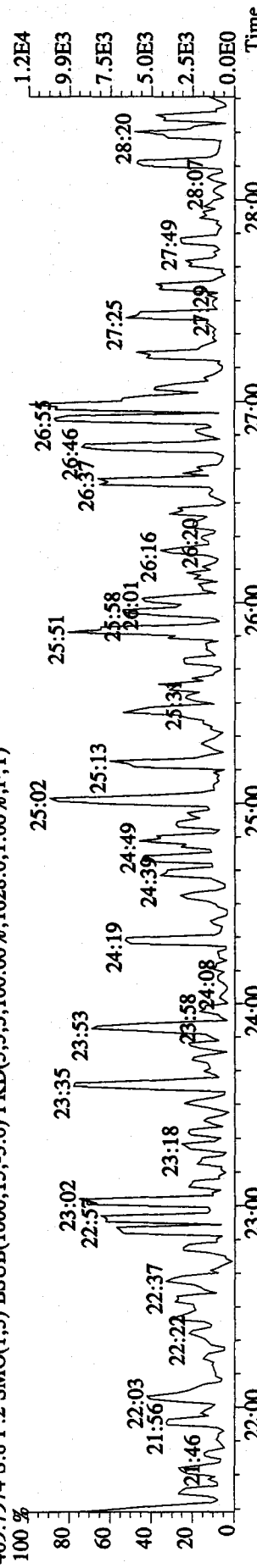
409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1628.0,1.00%,F,T)

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

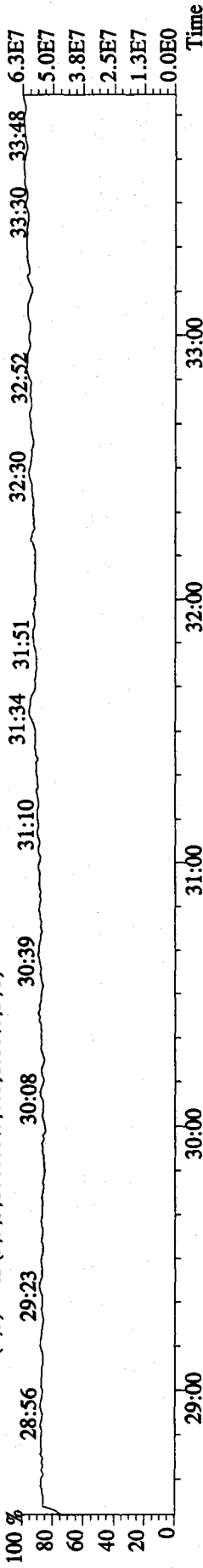


409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1628.0,1.00%,F,T)

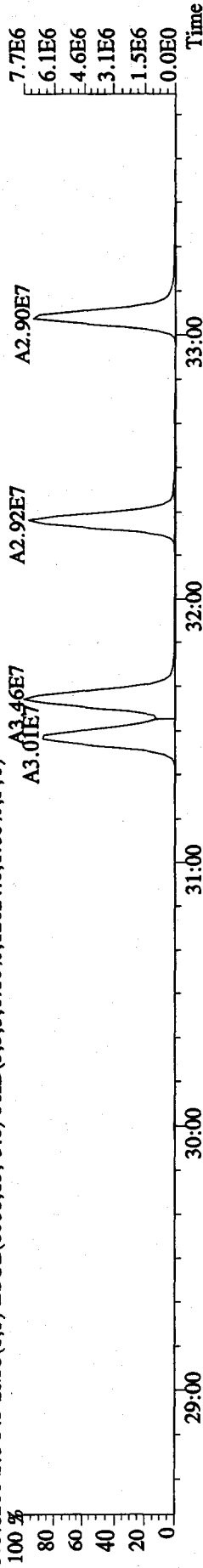
100 % 21:53 22:14 22:40 23:13 23:46 24:27 25:08 25:54 26:19 26:42 27:11 27:38 28:18



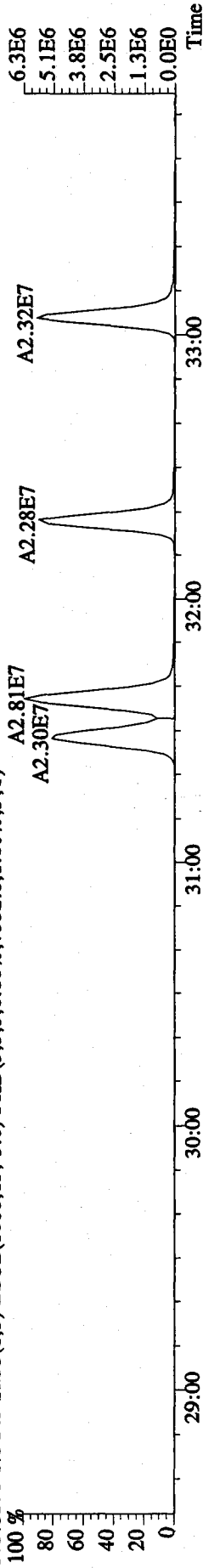
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



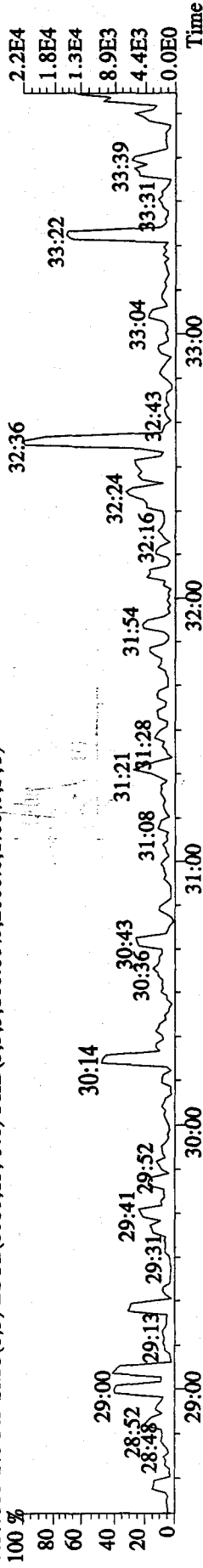
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12624.0,1.00%,F,T)



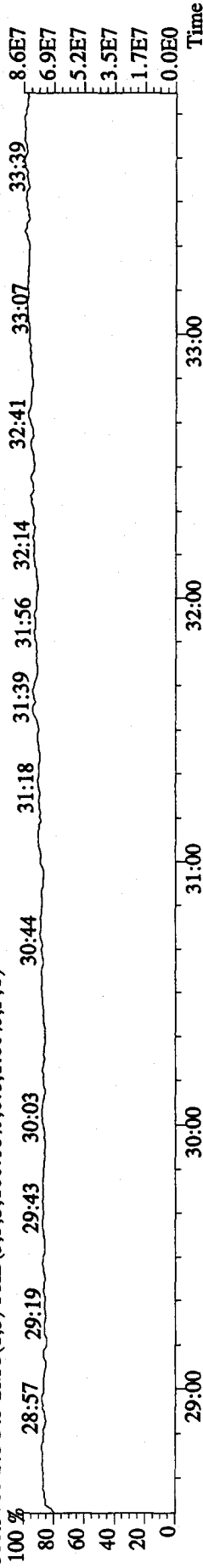
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7352.0,1.00%,F,T)



445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2000.0,1.00%,F,T)



380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

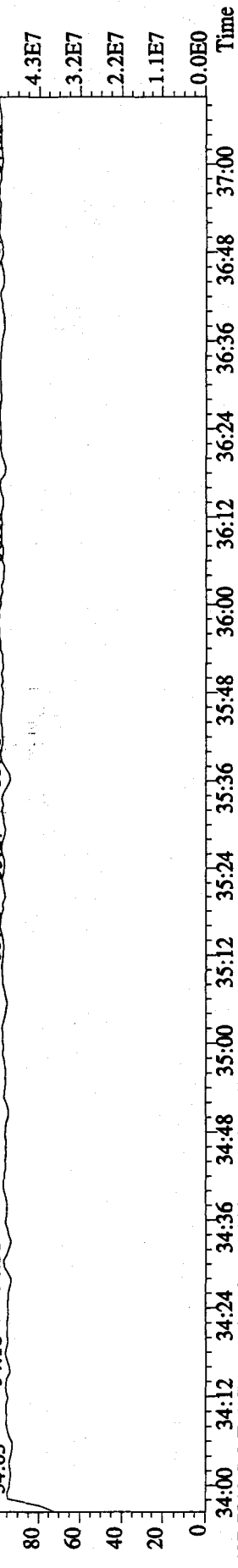


File: 31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN

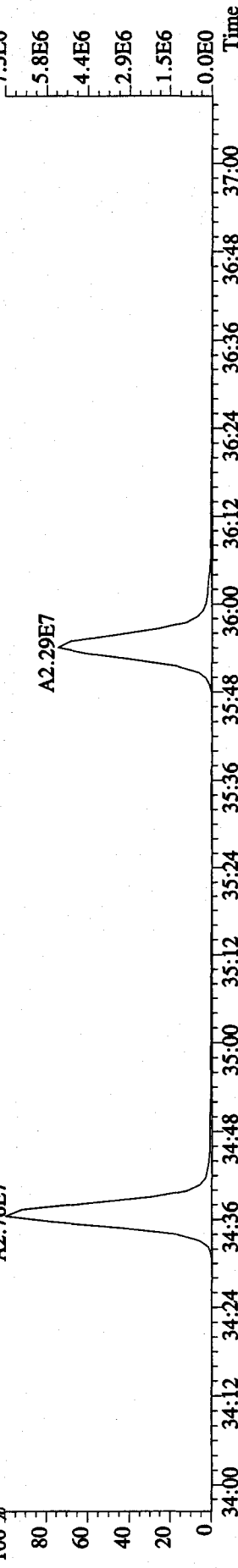
430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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 5.4E7



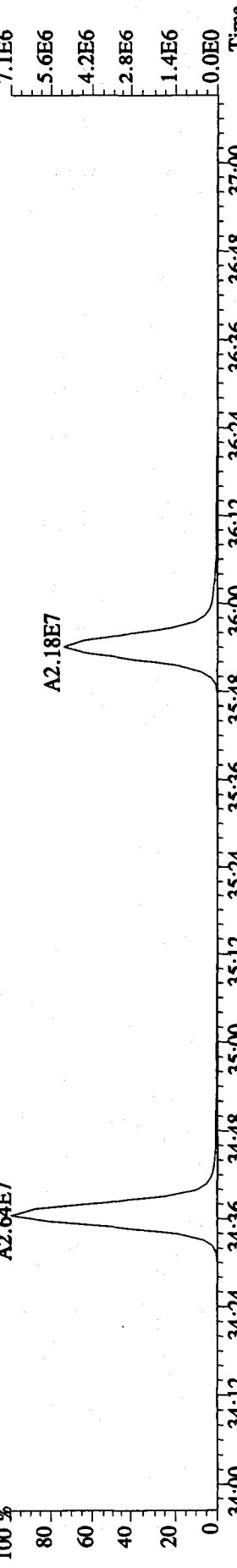
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10016.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 7.3E6



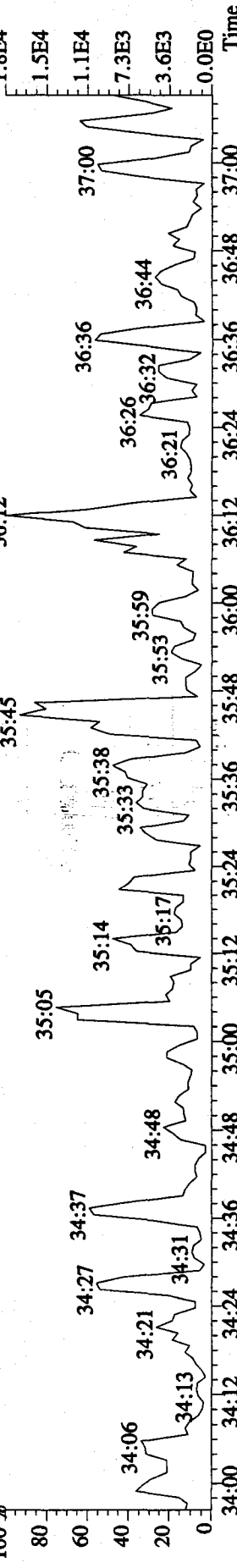
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8164.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 7.1E6

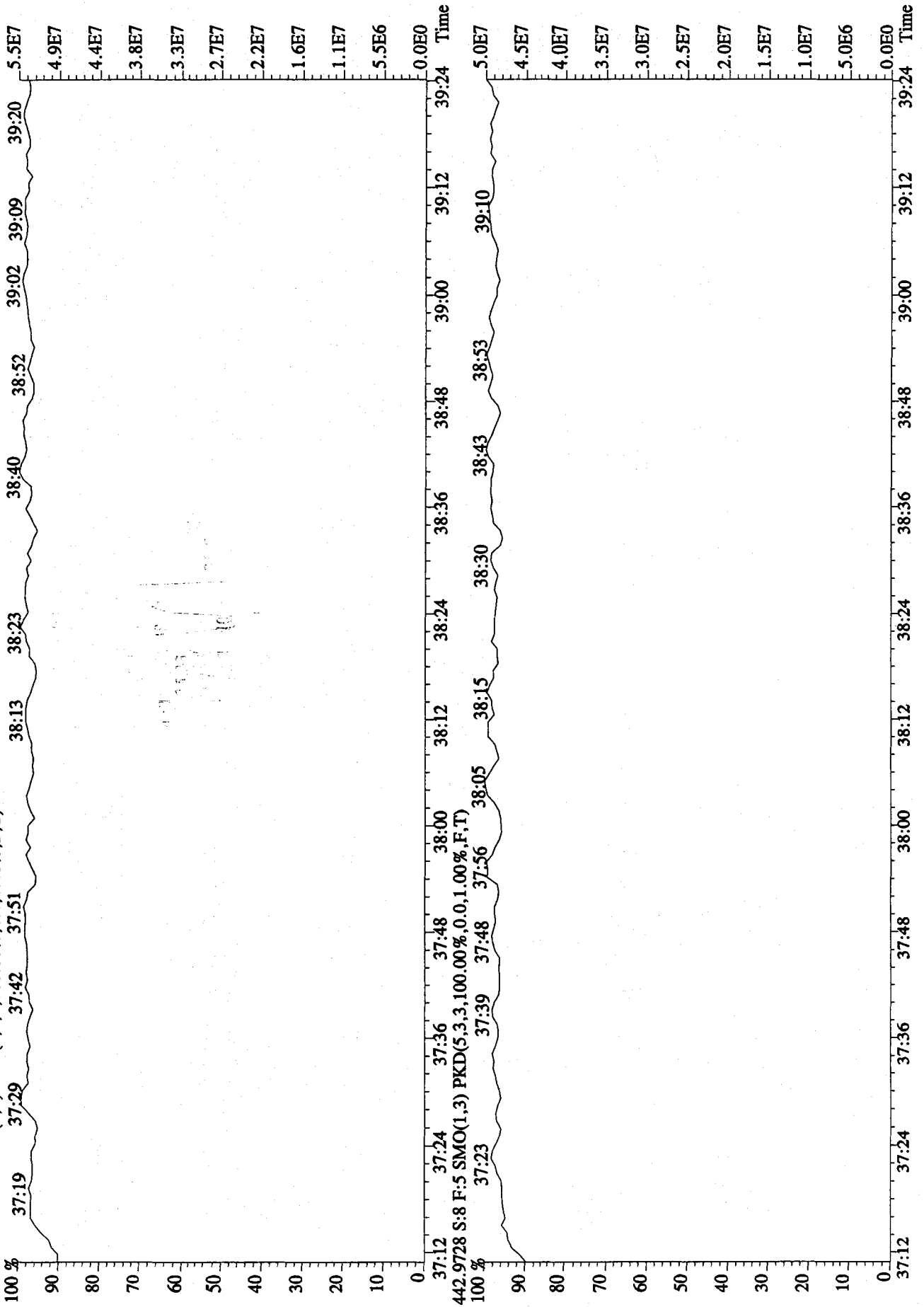


479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2388.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 1.8E4



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)



Initial Calibration Checklist  
Dioxin Methods

ICAL ID ICA123120093D5(8290, 1613, TETRAS)

Method ID 8290, 1613B, Tetras Date Scanned \_\_\_\_\_

Column ID DB5 Instrument ID 3D5

STD ID's ST1231(B,C,D,E,F) STD Solution 09DXN422(23,25,26,56)

GC Program DIOXIN Multiplier Setting 350

Analyzed By JRB Date Analyzed 12/31/09

Prepared By JRB Date Prepared 01/04/10

Reviewed By M.G. Date Reviewed 1/4/10

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

COMMENTS: CS3 13C-1,2,3,4-TCDD RT = 18.54 min 13C-1,2,3,7,8,9-HxCDD RT = 32.62 min

\* 1613 only.

\*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10  
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10  
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:38:33 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 31 Dec 2009 10:05:23

Calibration: 31 Dec 2009 13:37:23

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.55387	0.10195	6.56127
4	2,3,7,8-TCDF	1.00894	0.03940	3.90512
5	Total TCDFs	1.00894	0.03940	3.90512
6				
7	13C-2,3,7,8-TCDD	0.93654	0.08265	8.82467
8	2,3,7,8-TCDD	1.13162	0.06094	5.38546
9	Total TCDDs	1.13162	0.06094	5.38546
10				
11	37CL-2,3,7,8-TCDD	1.13700	0.09172	8.06695
12				
13	13C-1,2,3,7,8-PeCDF	1.21534	0.12934	10.64235
14	1,2,3,7,8-PeCDF	1.03079	0.04663	4.52356
15	2,3,4,7,8-PeCDF	0.96399	0.04086	4.23834
16	Total F2 PeCDFs	0.99739	0.04369	4.38021
17	Total F1 PeCDFs	0.99739	0.04369	4.38021
18				
19	13C-1,2,3,7,8-PeCDD	0.74736	0.08018	10.72899
20	1,2,3,7,8-PeCDD	1.05672	0.03490	3.30300
21	Total PeCDDs	1.05672	0.03490	3.30300
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	0.91641	0.07223	7.88160
26	1,2,3,4,7,8-HxCDF	1.24280	0.05687	4.57635
27	1,2,3,6,7,8-HxCDF	1.49624	0.06359	4.24985
28	2,3,4,6,7,8-HxCDF	1.31114	0.08139	6.20792
29	1,2,3,7,8,9-HxCDF	1.29097	0.15794	12.23447
30	Total HxCDFs	1.33529	0.08589	6.43214
31				
32	13C-1,2,3,6,7,8-HxCDD	0.80919	0.05547	6.85475
33	1,2,3,4,7,8-HxCDD	0.93261	0.05959	6.38974
34	1,2,3,6,7,8-HxCDD	1.18024	0.05154	4.36672
35	1,2,3,7,8,9-HxCDD	1.28282	0.21352	16.64444
36	Total HxCDDs	1.13189	0.10452	9.23374
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.81080	0.04083	5.03538
39	1,2,3,4,6,7,8-HpCDF	1.36387	0.07395	5.42218
40	1,2,3,4,7,8,9-HpCDF	1.11483	0.06881	6.17218
41	Total HpCDFs	1.23935	0.07020	5.66394
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.70743	0.03465	4.89747
44	1,2,3,4,6,7,8-HpCDD	1.04312	0.04748	4.55165
45	Total HpCDDs	1.04312	0.04748	4.55165
46				
99-240493	13C-OCDD	0.51889	0.04950	8.49429



Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:38:33 Pacific Standard Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.40213	0.13119	9.35683
49	OCDD	1.19691	0.05139	4.29389
50				
51				
52	Function 1 PFK			
53	Function 2 PFK	16743.46550	16630.81420	99.32719
54	Function 3 PFK	7909.22500	521.22114	6.59004
55	Function 4 PFK	14980.66300	0.00000	0.00000
56	Function 5 PFK	3947.90350	3001.02553	76.01568
57	TCDF PCDPE	30.01200	0.00000	0.00000
58	F1 PeCDF PCDPE	45.97250	34.38590	74.79666
59	F2 PeCDF PCDPE	17.77400	16.24159	91.37835
60	HXCDF PCDPE	18.61100	20.51602	110.23600
61	HPCDF PCDPE	75.50100	34.84622	46.15333
62	OCDF PCDPE	85.06150	155.80506	183.16755

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\82903D5.mdb 31 Dec 2009 10:05:23

Calibration: 31 Dec 2009 13:37:23

Sample Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod.Data	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.56	1420005	1.00000		0.816	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	18.01	2089299	1.47133		0.822	NO
4	2,3,7,8-TCDF	303.9016	18.03	879286	1.05213		0.802	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.75	1221308	0.86007		0.837	NO
8	2,3,7,8-TCDD	319.8965	18.78	578690	1.18457		0.750	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.78	626572	1.10312			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.36	1622108	1.14233		1.650	NO
14	1,2,3,7,8-PeCDF	339.8597	23.39	3446922	1.06248		1.579	NO
15	2,3,4,7,8-PeCDF	339.8597	24.80	3199584	0.98624		1.569	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.54	1017507	0.71655		1.586	NO
20	1,2,3,7,8-PeCDD	355.8546	25.58	2197910	1.08005		1.577	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.63	1329255	1.00000		1.169	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.28	1117948	0.84103		0.516	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.30	2917985	1.30506		1.222	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.44	3473916	1.55370		1.219	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.10	3085947	1.38018		1.222	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.82	3188715	1.42615		1.131	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.34	997196	0.75019		1.323	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.26	1907055	0.95621		1.269	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.35	2500551	1.25379		1.294	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.65	3069165	1.53890		1.285	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.18	1017841	0.76572		0.460	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.19	2934211	1.44139		1.081	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	2337867	1.14844		1.036	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	904632	0.68056		1.075	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.99	1932789	1.06827		1.055	NO
45	Total HpCDDs	423.7766						
46								

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
47	13C-OCDD	469.7779	37.44	1273461	0.47901		0.925	NO
48	OCDF	441.7428	37.54	3877326	1.52236		0.916	NO
49	OCDD	457.7377	37.45	3194833	1.25439		0.872	NO
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...	22.50	4984	4983.7...			
54	Function 3 PFK	380.97...	29.27	7541	7540.6...			
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...	39.30	6070	6069.9...			
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555	33.02	24	23.836...			
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.54	1312762	1.00000		0.804	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	17.98	2114301	1.61057		0.813	NO
4	2,3,7,8-TCDF	303.9016	18.01	218298	1.03248		0.798	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	1272310	0.96919		0.796	NO
8	2,3,7,8-TCDD	319.8965	18.75	137033	1.07704		0.806	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.75	145624	1.10929			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.34	1576437	1.20085		1.626	NO
14	1,2,3,7,8-PeCDF	339.8597	23.36	835224	1.05964		1.593	NO
15	2,3,4,7,8-PeCDF	339.8597	24.77	781078	0.99094		1.568	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.52	982379	0.74833		1.649	NO
20	1,2,3,7,8-PeCDD	355.8546	25.56	516887	1.05232		1.599	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.62	1198576	1.00000		1.335	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.27	1082151	0.90286		0.527	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.29	681870	1.26021		1.236	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.43	850724	1.57228		1.275	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.09	736683	1.36152		1.248	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.82	735482	1.35930		1.219	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.33	949380	0.79209		1.303	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.25	470443	0.99105		1.224	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.34	555757	1.17078		1.284	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.63	653835	1.37739		1.207	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.18	956415	0.79796		0.442	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.19	670059	1.40119		1.046	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	555302	1.16122		1.050	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	844966	0.70497		1.069	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.99	439061	1.03924		1.080	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.44	1212003	0.50560		0.878	NO
48	OCDF	441.7428	37.54	885223	1.46076		0.931	NO
49	OCDD	457.7377	37.45	756308	1.24803		0.893	NO

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...	18.72		22 21.658...			
59	F2 PeCDF PCDPE	409.7974	22.10		19 19.066...			
60	HXCDF PCDPE	445.7555	33.08		17 16.703...			
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	37.57		7 6.61200			

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.54	1339894	1.00000		0.803	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	18.00	1933751	1.44321		0.805	NO
4	2,3,7,8-TCDF	303.9016	18.01	37379	0.96648		0.790	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	1192946	0.89033		0.794	NO
8	2,3,7,8-TCDD	319.8965	18.75	25320	1.06122		0.769	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.75	27694	1.03345			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.34	1495722	1.11630		1.583	NO
14	1,2,3,7,8-PeCDF	339.8597	23.36	145439	0.97236		1.500	NO
15	2,3,4,7,8-PeCDF	339.8597	24.76	137024	0.91610		1.557	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.52	908118	0.67775		1.648	NO
20	1,2,3,7,8-PeCDD	355.8546	25.54	92439	1.01792		1.647	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.61	1135542	1.00000		1.258	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.27	997611	0.87853		0.525	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.28	122414	1.22707		1.318	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.41	145606	1.45954		1.271	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.08	123386	1.23682		1.254	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.81	116973	1.17253		1.197	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.31	891525	0.78511		1.247	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.24	77130	0.86515		1.403	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.33	101689	1.14062		1.197	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.62	98034	1.09962		1.285	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.16	898132	0.79093		0.446	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.16	118917	1.32405		1.035	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.28	96704	1.07673		1.027	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.97	768463	0.67674		1.074	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.98	81291	1.05784		1.112	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.43	1098842	0.48384		0.910	NO
48	OCDF	441.7428	37.53	148220	1.34888		0.859	NO
49	OCDD	457.7377	37.44	107501	0.89900		0.916	NO

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...	22.42	28503	28503...			
54	Function 3 PFK	380.97...	29.26	8278	8277.7...			
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974	22.16	1	0.92500			
60	HXCDF PCDPE	445.7555	33.04	51	50.659...			
61	HPCDF PCDPE	479.7165	35.32	51	50.861...			
62	OCDF PCDPE	513.67...	37.52	1	1.15200			

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
 Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.54	1272298	1.00000		0.794	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	18.00	1973915	1.55146		0.810	NO
4	2,3,7,8-TCDF	303.9016	18.01	9551	0.96771		0.862	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	1141541	0.89723		0.800	NO
8	2,3,7,8-TCDD	319.8965	18.75	6822	1.19524		0.720	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.75	7372	1.15886			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.34	1498651	1.17791		1.635	NO
14	1,2,3,7,8-PeCDF	339.8597	23.38	37025	0.98823		1.488	NO
15	2,3,4,7,8-PeCDF	339.8597	24.77	34603	0.92357		1.578	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.53	904029	0.71055		1.635	NO
20	1,2,3,7,8-PeCDD	355.8546	25.56	23291	1.03055		1.717	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.62	1010615	1.00000		1.170	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.27	1043345	1.03239		0.516	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.29	30099	1.15396		1.236	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.43	37165	1.42484		1.276	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.09	31536	1.20905		1.331	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.81	28076	1.07639		1.296	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.33	907121	0.89759		1.256	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.25	19787	0.87251		1.351	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.34	25573	1.12765		1.294	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.63	23257	1.02552		1.194	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.16	881865	0.87260		0.433	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.18	27677	1.25539		1.017	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	22317	1.01226		1.025	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	771327	0.76323		1.038	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.98	18586	0.96386		1.078	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.43	1098084	0.54328		0.889	NO
48	OCDF	441.7428	37.54	32874	1.19749		0.957	NO
49	OCDD	457.7377	37.45	21359	1.14199		0.882	NO



Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555	33.03		1	1.29700		
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	37.58		14	13.843...		

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Sample Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	18.53	793468	1.00000		0.793	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	17.98	1343177	1.69279		0.811	NO
4	2,3,7,8-TCDF	303.9016	18.00	2755940	1.02590		0.782	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.74	845739	1.06588		0.763	NO
8	2,3,7,8-TCDD	319.8965	18.75	1928287	1.14000		0.783	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.75	2031754	1.28030			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.35	1142051	1.43932		1.597	NO
14	1,2,3,7,8-PeCDF	339.8597	23.38	12234024	1.07123		1.572	NO
15	2,3,4,7,8-PeCDF	339.8597	24.80	11455794	1.00309		1.556	NO
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.56	701127	0.88362		1.658	NO
20	1,2,3,7,8-PeCDD	355.8546	25.58	7731709	1.10275		1.594	NO
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.63	890496	1.00000		1.300	NO
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.28	825687	0.92722		0.513	NO
26	1,2,3,4,7,8-HxCDF	373.8208	31.30	10467074	1.26768		1.246	NO
27	1,2,3,6,7,8-HxCDF	373.8208	31.44	12144612	1.47085		1.241	NO
28	2,3,4,6,7,8-HxCDF	373.8208	32.09	11296523	1.36814		1.190	NO
29	1,2,3,7,8,9-HxCDF	373.8208	32.82	11728682	1.42048		1.192	NO
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.34	731065	0.82096		1.292	NO
33	1,2,3,4,7,8-HxCDD	389.8157	32.25	7150555	0.97810		1.267	NO
34	1,2,3,6,7,8-HxCDD	389.8157	32.35	8833819	1.20835		1.291	NO
35	1,2,3,7,8,9-HxCDD	389.8157	32.65	10035157	1.37268		1.295	NO
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.18	736263	0.82680		0.459	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.18	10288154	1.39735		1.038	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.30	8654961	1.17553		1.044	NO
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	34.98	633728	0.71166		1.081	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	34.99	6884594	1.08636		1.038	NO
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.43	1036980	0.58225		0.897	NO
48	OCDF	441.7428	37.53	15359181	1.48114		0.922	NO
49	OCDD	457.7377	37.44				0.874	NO

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 13:40:37 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...	34.75	14981	14980...			
56	Function 5 PFK	442.97...	39.26	1826	1825.8...			
57	TCDF PCDPE	375.8364	14.93	30	30.012...			
58	F1 PeCDF PCDPE	409.79...	18.68	70	70.287...			
59	F2 PeCDF PCDPE	409.7974	22.01	33	33.331...			
60	HXCDF PCDPE	445.7555	32.99	1	0.56000			
61	HPCDF PCDPE	479.7165	35.31	100	100.14...			
62	OCDF PCDPE	513.67...	37.54	319	318.63...			

**Sample List Report****MassLynx 4.1**

Sample List: C:\MassLynx\Default.pro\Sampledb\31DE093D5.SPL  
Last Modified: Thursday, December 31, 2009 11:35:40 Pacific Standard Time  
Printed: Thursday, December 31, 2009 14:26:38 Pacific Standard Time

Page 1 of 2

Page Position (1, 1)

	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle	FV_uL
1	31DE093D5_1	CS-3 09DXN384	ST1231	---	---	1.000000	---	Tray01:1	---
2	31DE093D5_2	DB5 CPSM 3732-04	CP1231	---	---	1.000000	---	Tray01:2	---
3	31DE093D5_3	CS-5 09DXN455	ST1231A	---	---	1.000000	---	Tray01:3	---
4	31DE093D5_4	CS-4 09DXN426	ST1231B	---	---	1.000000	---	Tray01:4	---
5	31DE093D5_5	CS-3 09DXN425	ST1231C	---	---	1.000000	---	Tray01:5	---
6	31DE093D5_6	CS-2 09DXN423	ST1231D	---	---	1.000000	---	Tray01:6	---
7	31DE093D5_7	CS-1 09DXN422	ST1231E	---	---	1.000000	---	Tray01:7	---
8	31DE093D5_8	CS-5 09DXN456	ST1231F	---	---	1.000000	---	Tray01:8	---
9	31DE093D5_9	Solvent Blank C-14	SB1231	---	---	1.000000	---	Tray01:9	---
10	31DE093D5_10	2nd Source 09DXN300	ST1231G	1613B/8290	---	1.000000	---	Tray01:10	20
11	31DE093D5_11	DB5 CPSM 3732-04	CP1231A	---	---	1.000000	---	Tray01:11	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\31DE093D5.SPL  
 Last Modified: Thursday, December 31, 2009 11:35:40 Pacific Standard Time  
 Printed: Thursday, December 31, 2009 14:26:38 Pacific Standard Time

Page 2 of 2

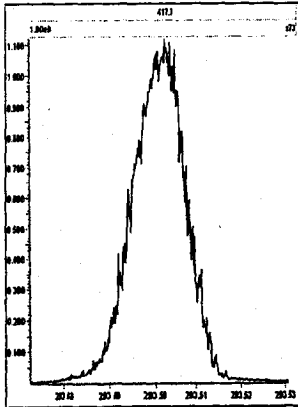
Page Position (2, 1)

Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF	ConG
2.000000	Analyte	JRB	Dioxin3D5	dioxin	10	50	100	100	200	10	100
2.000000	Analyte	JRB	Dioxin3D5	dioxin	---	---	---	---	---	---	---
2.000000	Standard	JRB	Dioxin3D5	dioxin	200	1000	2000	100	200	200	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	40	200	400	100	200	40	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	10	50	100	100	200	10	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	2	10	20	100	200	2	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	0.5	2.5	5	100	200	0.5	100
2.000000	Standard	JRB	Dioxin3D5	dioxin	200	1000	2000	100	200	200	100
2.000000	Analyte	JRB	Dioxin3D5	dioxin	---	---	---	---	---	---	---
2.000000	Analyte	JRB	Dioxin3D5	dioxin	---	---	---	2000	4000	200	2000
2.000000	Analyte	JRB	Dioxin3D5	dioxin	---	---	---	---	---	---	---

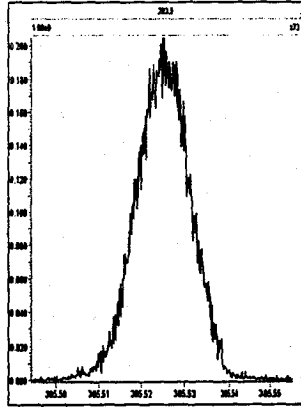
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Printed: Thursday, December 31, 2009 08:18:58 Pacific Standard Time

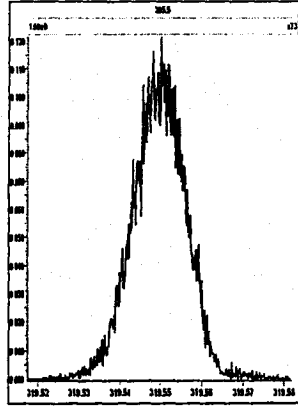
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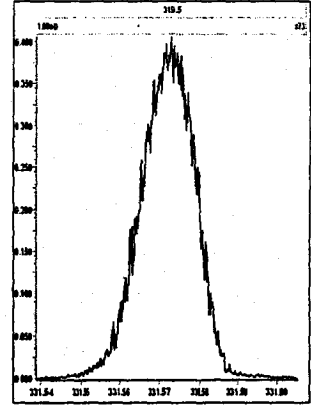
M 304.9824 R 11162



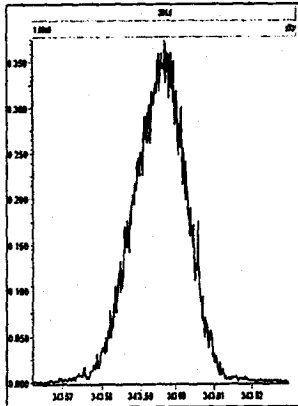
M 318.9792 R 10823



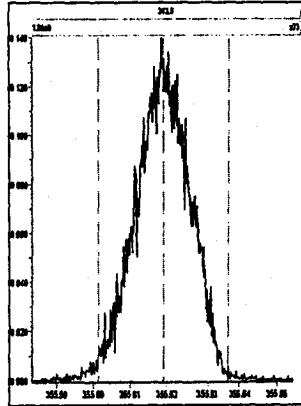
M 330.9792 R 10822



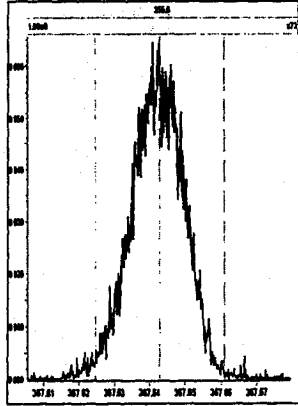
M 342.9792 R 10779



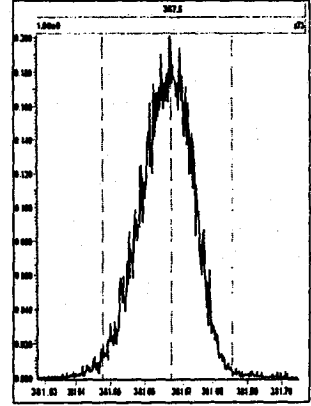
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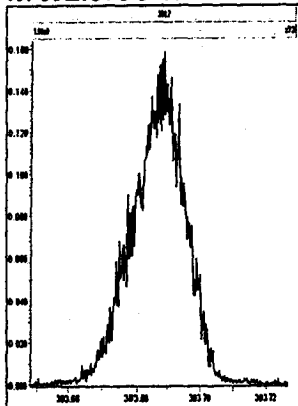
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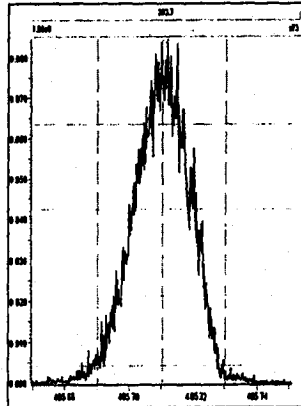
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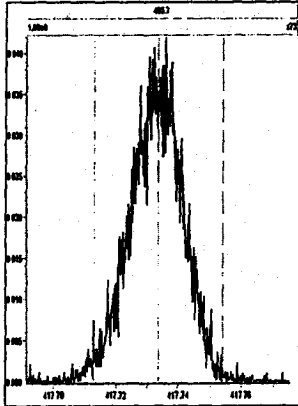
M 392.9760 R 10416



M 404.9760 R 10503



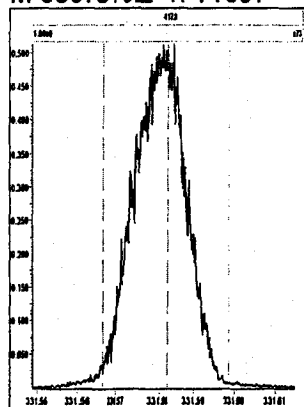
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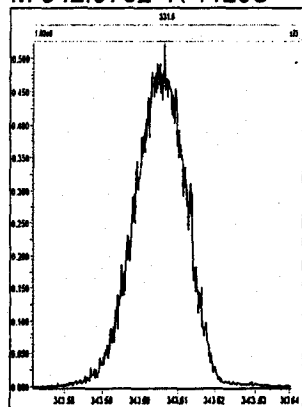
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, December 31, 2009 08:19:21 Pacific Standard Time

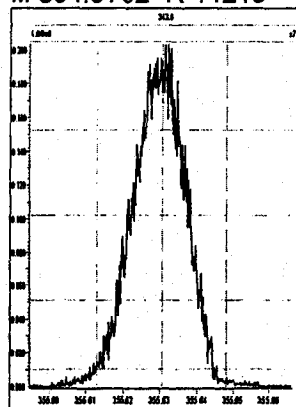
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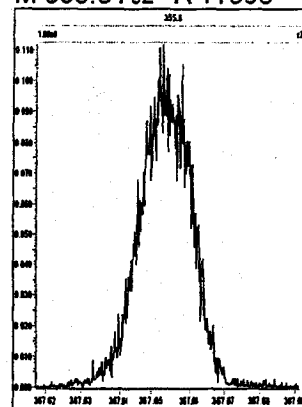
M 342.9792 R 11209



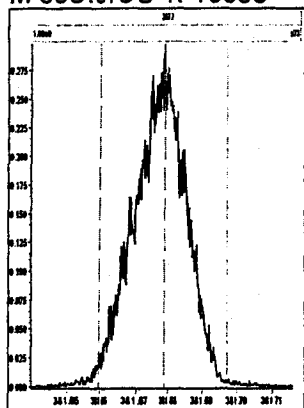
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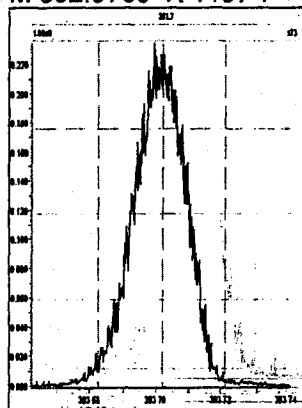
M 366.9792 R 11963



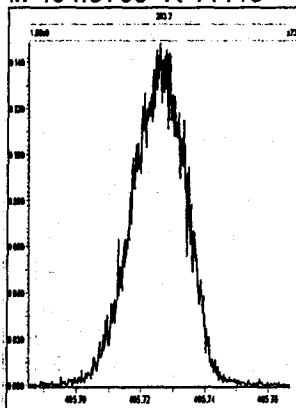
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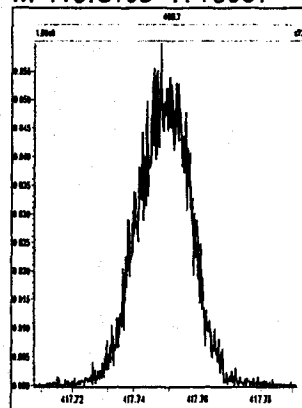
M 392.9760 R 11574



M 404.9760 R 11110



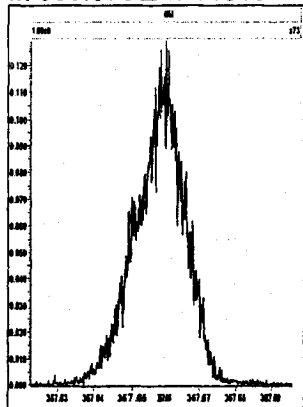
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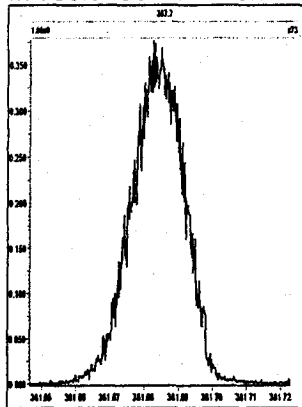
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Printed: Thursday, December 31, 2009 08:19:50 Pacific Standard Time

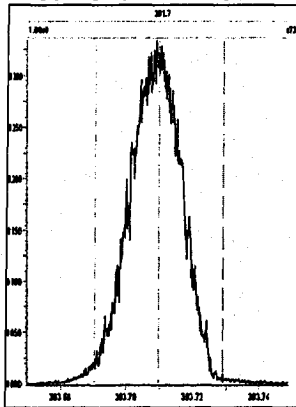
M 366.9792 R 11518



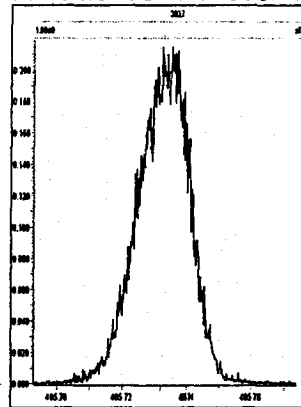
M 380.9760 R 11162



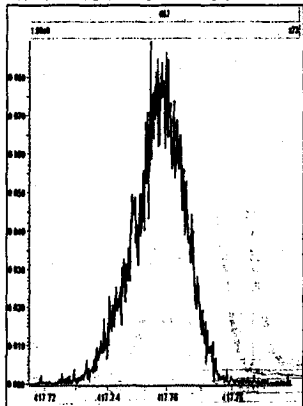
M 392.9760 R 11062



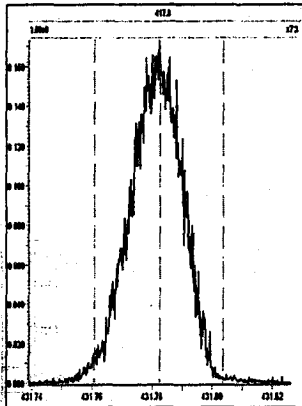
M 404.9760 R 11363



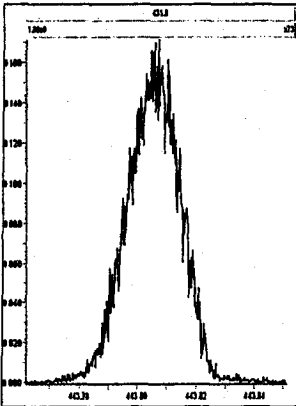
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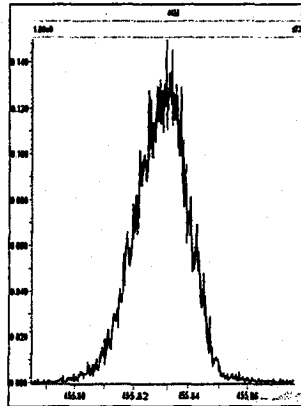
M 430.9728 R 10915



M 442.9728 R 10774



M 454.9728 R 11309





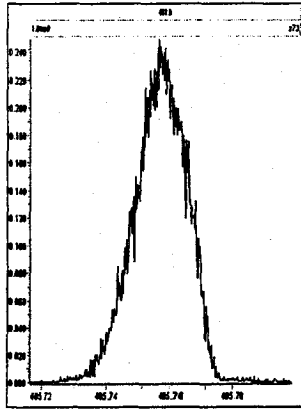
Experiment Calibration Report

MassLynx 4.1

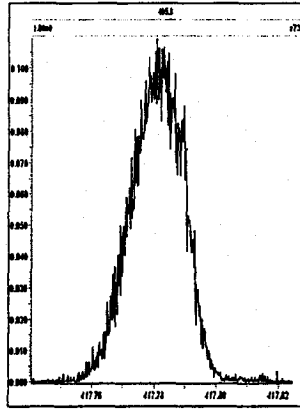
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Printed: Thursday, December 31, 2009 08:20:17 Pacific Standard Time

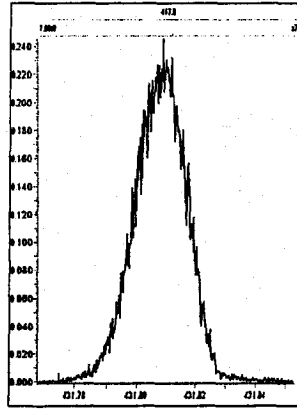
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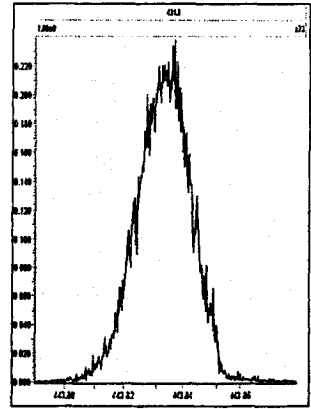
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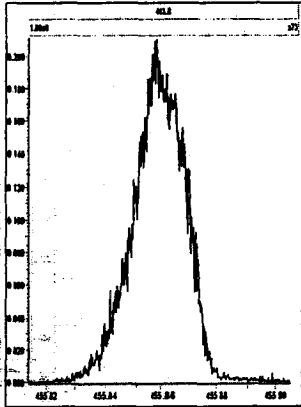
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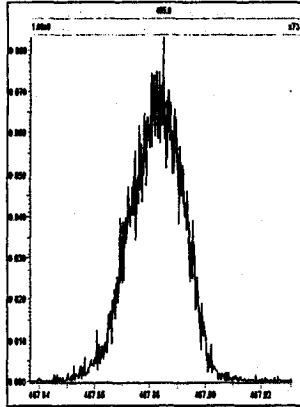
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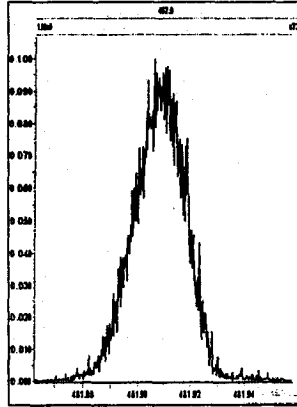
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M 466.9728 R 11793



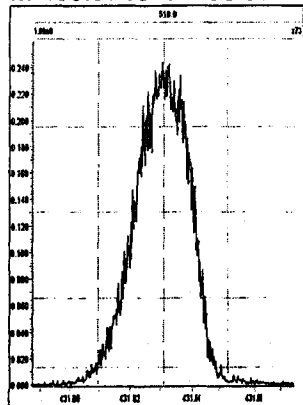
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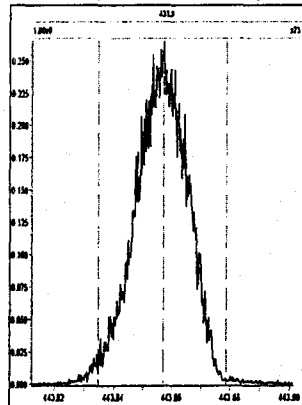
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Printed: Thursday, December 31, 2009 08:20:54 Pacific Standard Time

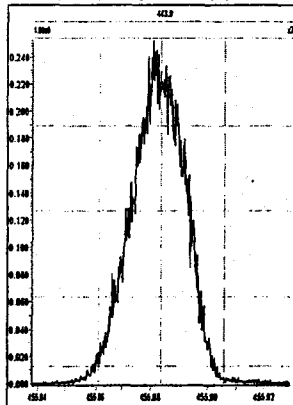
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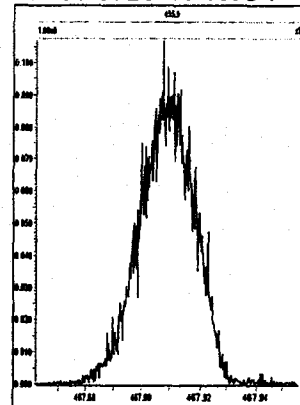
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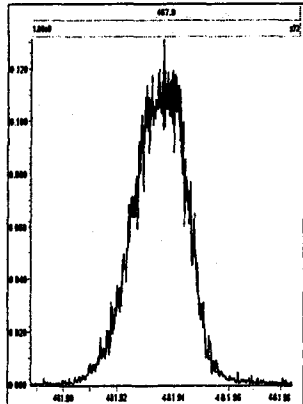
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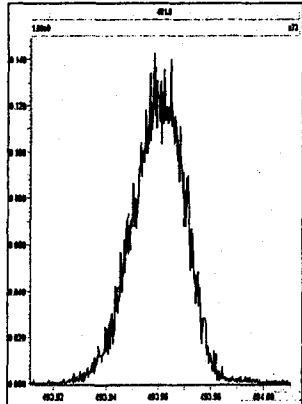
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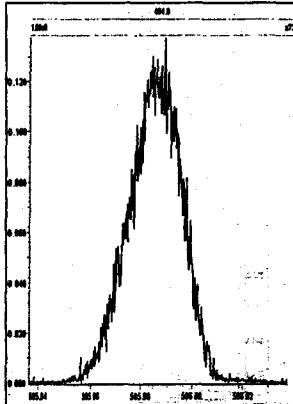
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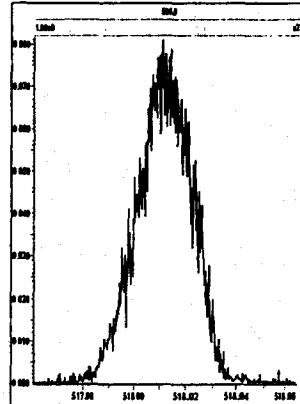
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M 504.9696 R 10504



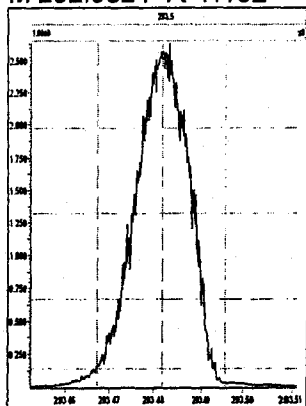
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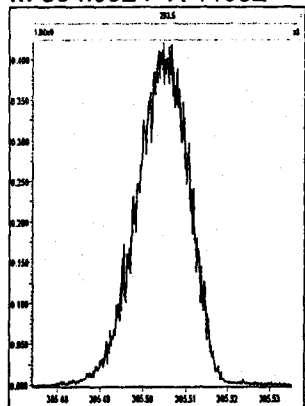
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Printed: Thursday, December 31, 2009 16:33:01 Pacific Standard Time

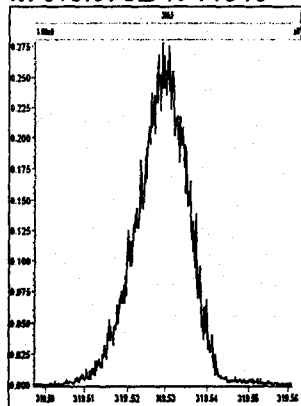
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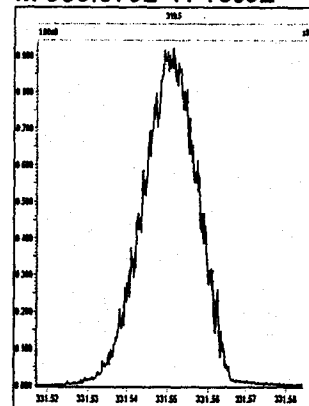
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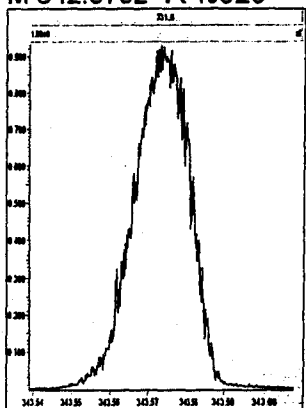
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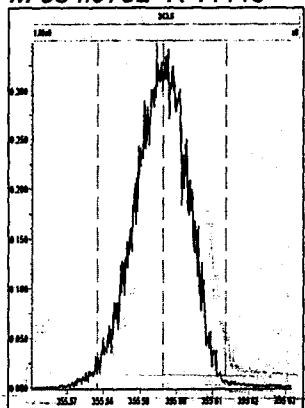
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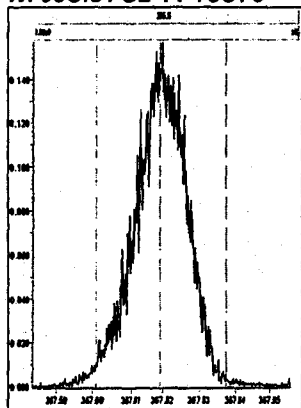
M 342.9792 R 10920



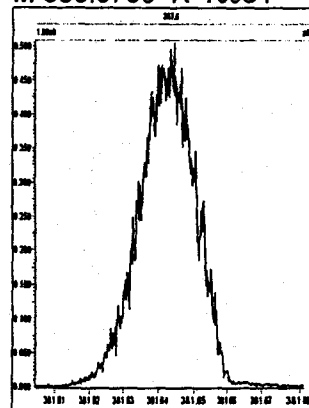
M 354.9792 R 11113



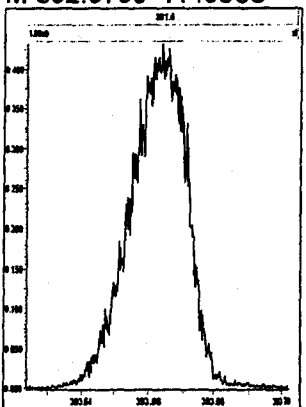
M 366.9792 R 10870



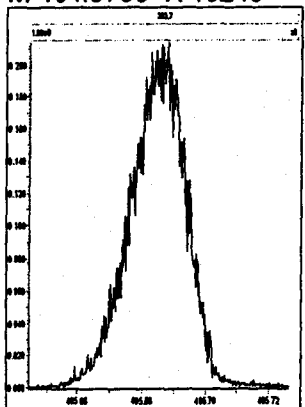
M 380.9760 R 10961



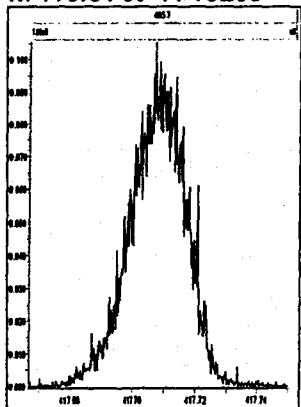
M 392.9760 R 10683



M 404.9760 R 10248



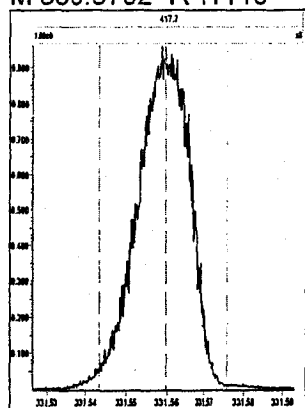
M 416.9760 R 10289



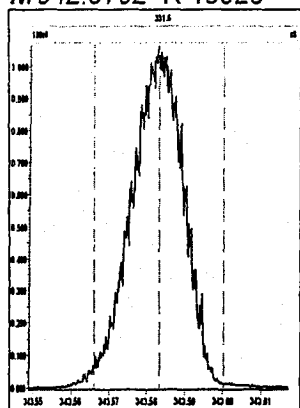
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:34:31 Pacific Standard Time

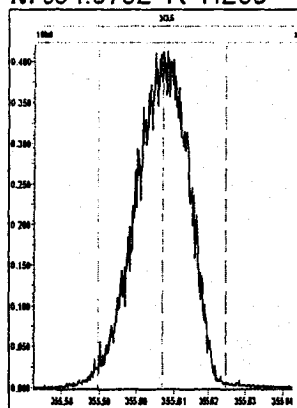
M 330.9792 R 11110



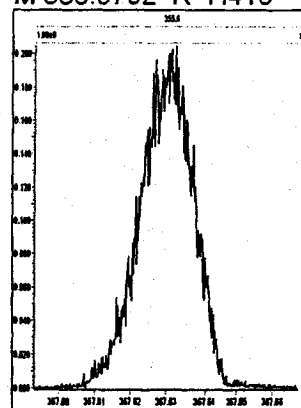
M 342.9792 R 10920



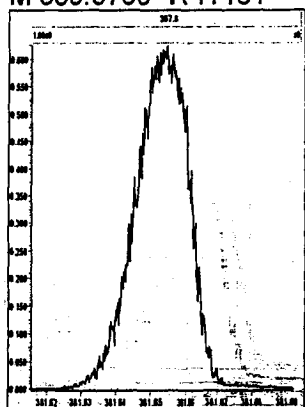
M 354.9792 R 11208



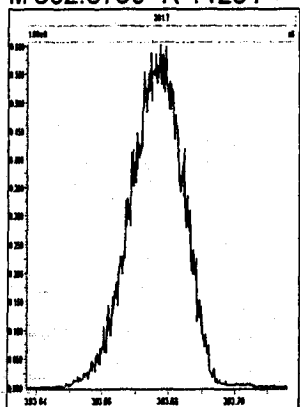
M 366.9792 R 11416



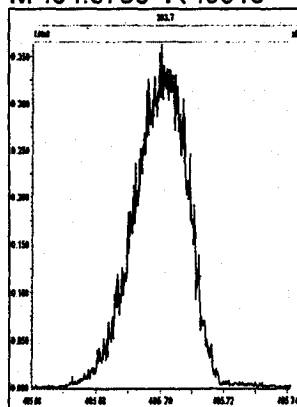
M 380.9760 R 11161



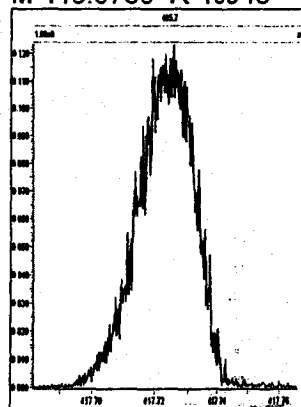
M 392.9760 R 11261



M 404.9760 R 10916



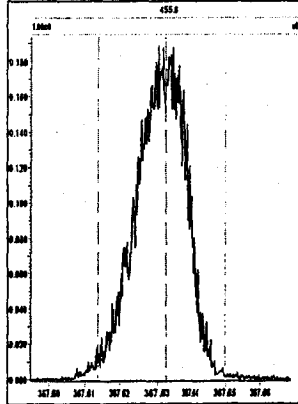
M 416.9760 R 10546



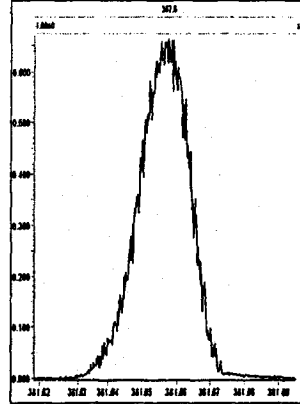
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:36:49 Pacific Standard Time

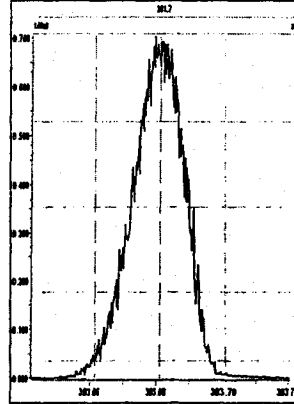
M 366.9792 R 11464



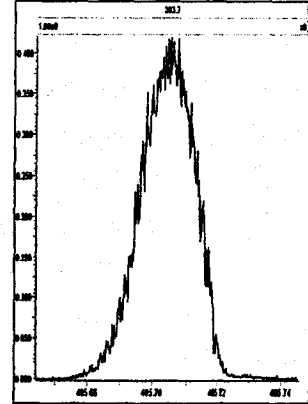
M 380.9760 R 11262



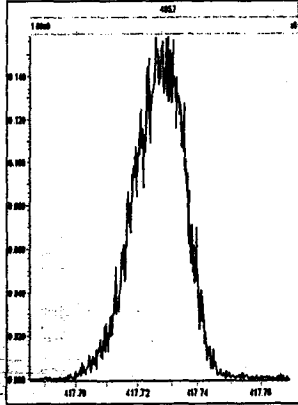
M 392.9760 R 10917



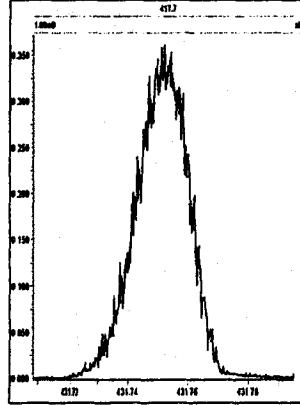
M 404.9760 R 10683



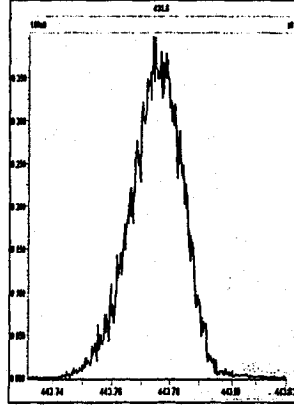
M 416.9760 R 11213



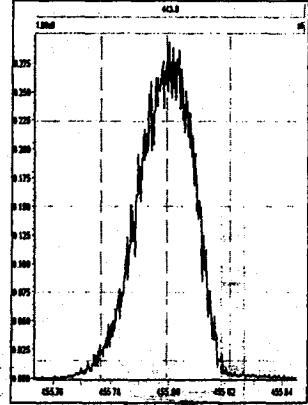
M 430.9728 R 10774



M 442.9728 R 10866



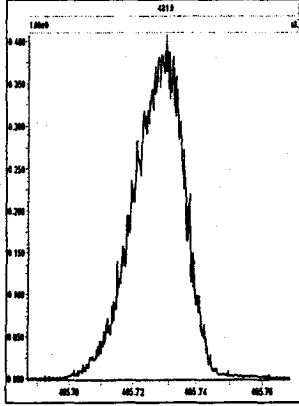
M 454.9728 R 10917



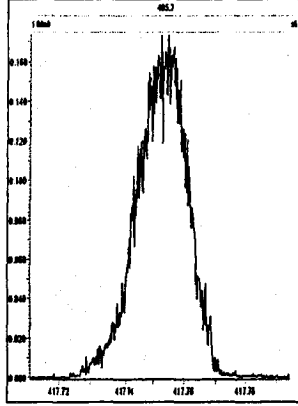
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:38:32 Pacific Standard Time

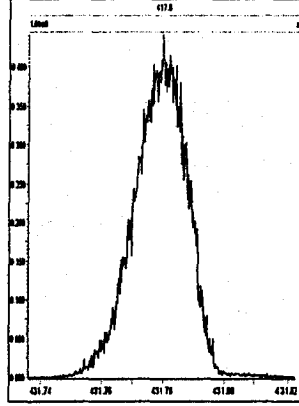
M 404.9760 R 10916



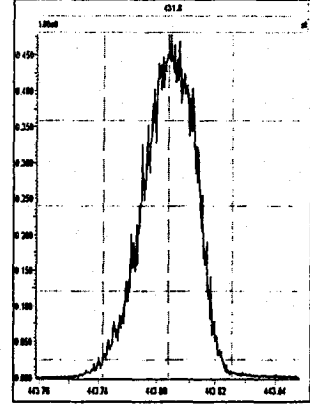
M 416.9760 R 11681



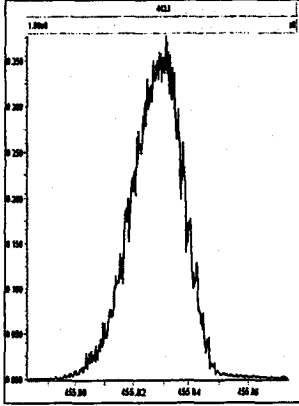
M 430.9728 R 11012



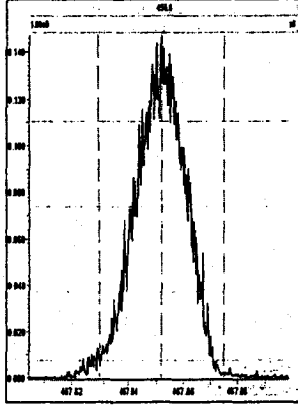
M 442.9728 R 10731



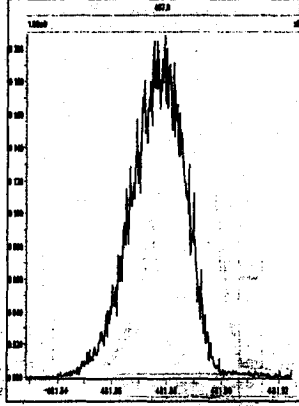
M 454.9728 R 10870



M 466.9728 R 11468



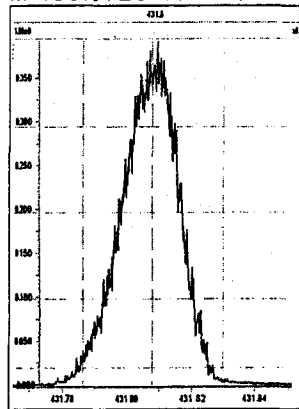
M 480.9696 R 10729



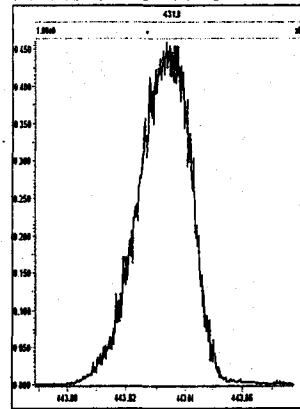
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, December 31, 2009 16:39:20 Pacific Standard Time

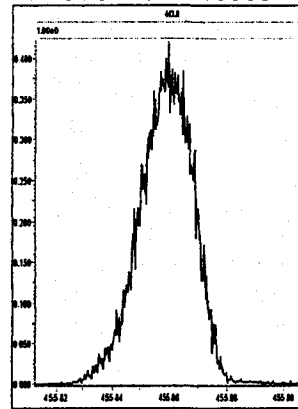
M 430.9728 R 11061



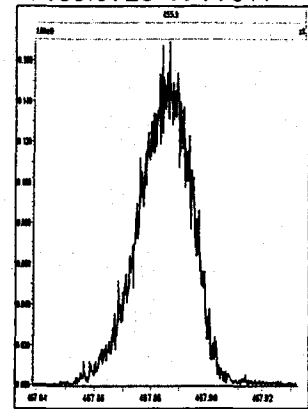
M 442.9728 R 10774



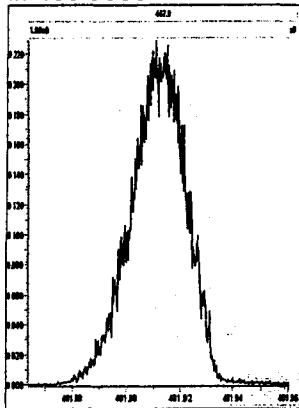
M 454.9728 R 10595



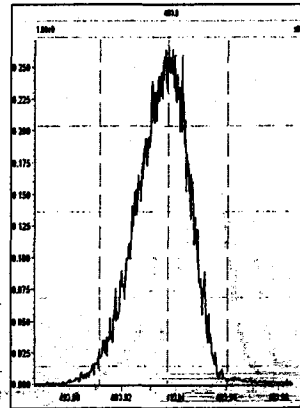
M 466.9728 R 11014



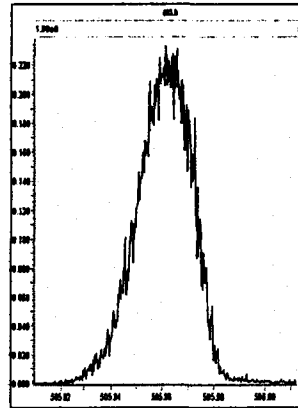
M 480.9696 R 10505



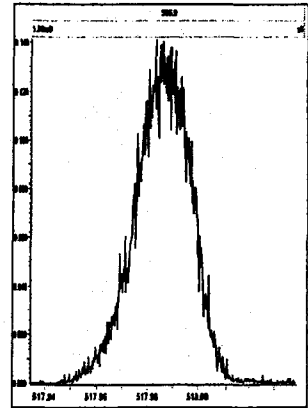
M 492.9696 R 10504

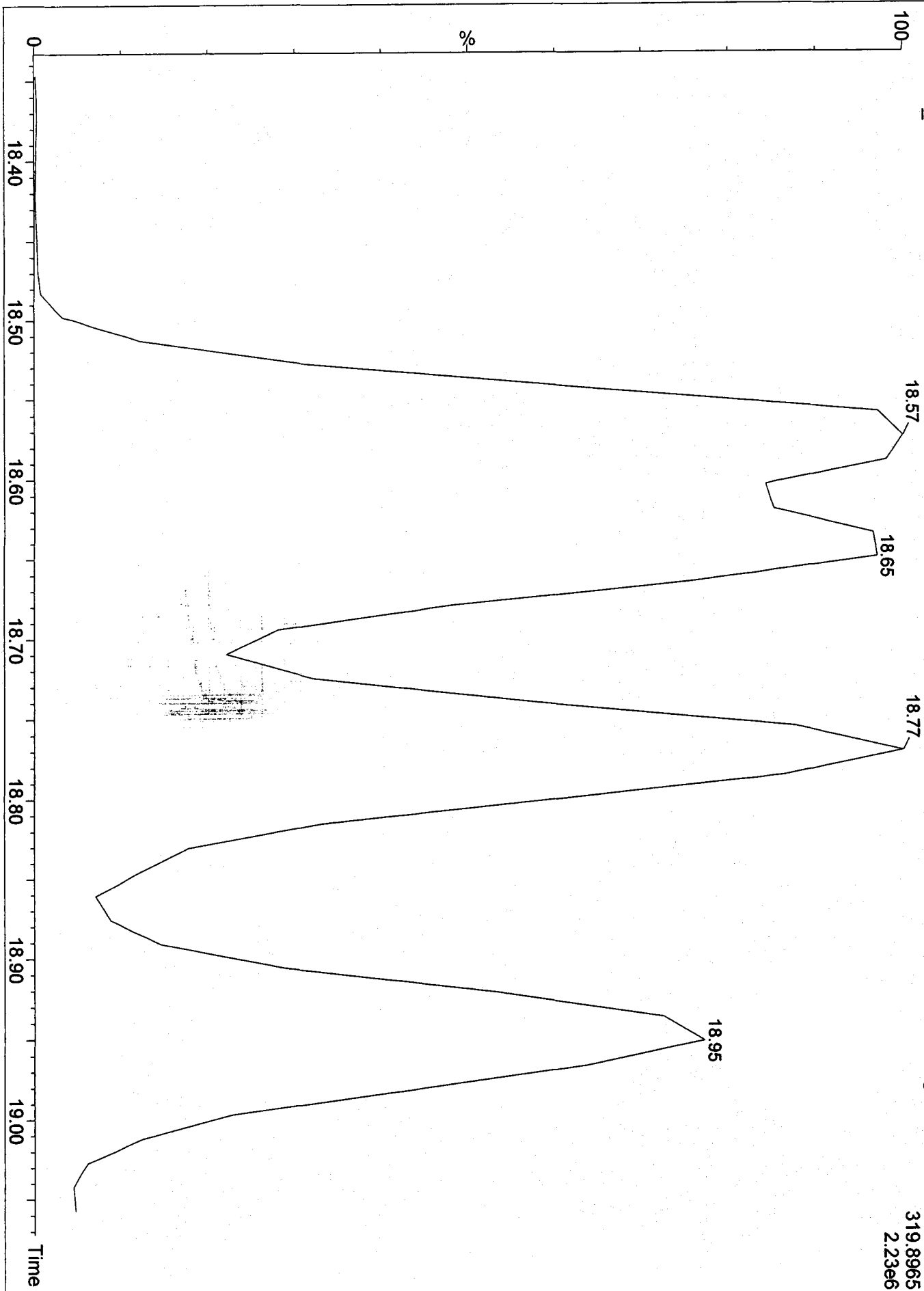


M 504.9696 R 10869



M 516.9697 R 10871







Dataset: C:\MassLynx\Default\pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
 Printed: Monday, January 04, 2010 10:57:45 Pacific Standard Time

Method: C:\MassLynx\Default\PROI\MethDB\16133D5.mdb 04 Jan 2010 10:11:47  
 Callibration: C:\MassLynx\Default\PROI\CurveDB\1CA123120093D51613.cdb 04 Jan 2010 10:06:26

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300, Task:

#	Name	Trace	Sample Size	RT	Prd	RT	RRF	M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	1.000	18.54	18.53	1.000			1066948.84	2000.0000	2000.0000	100.0	2.1118	0.820	0.770		NO
2	3 13C-2,3,7,8-TCDF	315.9419	1.000	17.98	18.01	1.554			1712789.94	2066.2115	2066.2115	103.3	1.5189	0.809	0.770		NO
	4 2,3,7,8-TCDF	303.9016	1.000	18.00	18.00	1.009			161177.95	186.5371	186.5371		0.5204	0.818	0.770		NO
	5 Total TCDFs	303.9016	1.000		21.44	1.009				186.5371	186.5371		0.5204				
6	7 13C-2,3,7,8-TCDD	331.9368	1.000	18.74	18.74	0.937			1059406.47	2120.4276	2120.4276	106.0	2.2549	0.796	0.770		NO
	8 2,3,7,8-TCDD	319.8965	1.000	18.75	18.77	1.132			113366.15	189.1262	189.1262		0.6492	0.785	0.770		NO
	9 Total TCDDs	319.8965	1.000		22.69	1.132				189.1262	189.1262		0.6492				
10	11 37CL-2,3,7,8-TCDD	327.8847	1.000	18.75	18.77	1.137			130237.05	214.7136	0.0000	107.4	0.4963				
12	13 13C-1,2,3,7,8-PeCDF	351.9000	1.000	23.35	23.35	1.215			1365433.44	2106.0024	2106.0024	105.3	4.4858	1.587	1.550		NO
	14 1,2,3,7,8-PeCDF	339.8597	1.000	23.37	23.38	1.031			342023.53	486.0103	486.0103		1.3910	1.597	1.550		NO
	15 13C-2,3,4,7,8-PeCDF	351.9000	1.000	24.75	24.76	1.162			1308203.25	2110.6471	2110.6471	105.5	4.6924	1.588	1.550		NO
	16 2,3,4,7,8-PeCDF	339.8597	1.000	24.79	24.78	1.009			315626.23	478.1879	478.1879		1.5357	1.567	1.550		NO
	17 Total F2 PeCDFs	339.8597	1.000		34.47	1.020				964.1982	964.1982		1.4614				
	18 Total F1 PeCDFs	339.8597	1.000		36.56	1.020				0.1380	0.0586		0.4218				
19	20 13C-1,2,3,7,8-PeCDD	367.8949	1.000	25.53	25.53	0.747			837136.19	2099.6740	2099.6740	105.0	3.1501	1.627	1.550		NO
	21 1,2,3,7,8-PeCDD	355.8546	1.000	25.56	25.57	1.057			208896.13	472.2864	472.2864		1.7729	1.565	1.550		NO
	22 Total PeCDDs	355.8546	1.000		31.10	1.057				472.2864	472.2864		1.7729				
23	24 13C-1,2,3,7,8,9-HxCDD	401.8559	1.000	32.62	32.63	1.000			840037.28	2000.0000	2000.0000	100.0	2.6101	1.400	1.240		NO
25	26 13C-1,2,3,4,7,8-HxCDF	383.8639	1.000	31.27	31.27	0.918			923643.31	2395.8349	2395.8349	119.8	5.3192	0.506	0.510		NO
	27 1,2,3,4,7,8-HxCDF	373.8208	1.000	31.29	31.29	1.243			268153.58	467.2708	467.2708		1.4546	1.213	1.240		NO
	28 13C-1,2,3,6,7,8-HxCDF	383.8639	1.000	31.41	31.41	1.187			1218976.28	2445.4451	2445.4451	122.3	4.1139	0.528	0.510		NO
	29 1,2,3,6,7,8-HxCDF	373.8208	1.000	31.43	31.43	1.142			325230.11	467.1510	467.1510		1.3328	1.231	1.240		NO
	30 13C-2,3,4,6,7,8-HxCDF	383.8639	1.000	32.08	32.08	1.016			992183.03	2324.5818	2324.5818	116.2	4.8045	0.535	0.510		NO
	31 2,3,4,6,7,8-HxCDF	373.8208	1.000	32.09	32.09	1.190			278103.55	471.2123	471.2123		1.3581	1.289	1.240		NO

Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
 Printed: Monday, January 04, 2010 10:57:45 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF	M	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio	Mod Date
32	13C-1,2,3,7,8,9-HxCDF	1.000	32.79	32.79	1.018		888742.63	2078.4664	2078.4664	103.9	4.7958	0.522	0.510		NO
33	1,2,3,7,8,9-HxCDF	1.000	32.81	32.81	1.126		248286.28	496.2449	496.2449		1.7126	1.365	1.240		NO
34	Total HxCDFs	1.000		0.00	1.175			1901.8790	1901.8790		1.4471				
35															
36	13C-1,2,3,4,7,8-HxCDD	1.000	32.24	32.24	0.718		673843.38	2234.9032	2234.9032	111.7	3.6360	1.300	1.240		NO
37	1,2,3,4,7,8-HxCDD	1.000	32.25	32.25	1.057		179712.40	504.5166	504.5166		1.5332	1.272	1.240		NO
38	13C-1,2,3,6,7,8-HxCDD	1.000	32.33	32.33	0.810		847160.59	2489.9660	2489.9660	124.5	3.2222	1.308	1.240		NO
39	1,2,3,6,7,8-HxCDD	1.000	32.34	32.34	1.182		252090.67	463.6093	463.6093		1.3176	1.264	1.240		NO
40	1,2,3,7,8,9-HxCDD	1.000	32.63	32.62	1.364		216826.04	406.5224	406.5224		1.1625	1.241	1.240		NO
41	Total HxCDDs	1.000		0.00	1.201			1374.6482	1374.6482		1.3201				
42															
43	13C-1,2,3,4,6,7,8-HpCDF	1.000	34.16	34.16	0.815		754409.53	2204.4010	2204.4010	110.2	12.0478	0.436	0.440		NO
44	1,2,3,4,6,7,8-HpCDF	1.000	34.18	34.18	1.384		246718.95	479.3936	479.3936		2.4607	1.014	1.040		NO
45	13C-1,2,3,4,7,8,9-HpCDF	1.000	35.28	35.28	0.667		586461.66	2094.7122	2094.7122	104.7	14.7268	0.469	0.440		NO
46	1,2,3,4,7,8,9-HpCDF	1.000	35.30	35.28	1.362		190874.20	477.5916	477.5916		4.0540	1.055	1.040		NO
47	Total HpCDFs	1.000		0.00	1.363			956.9852	956.9852		3.1572				
48															
49	13C-1,2,3,4,6,7,8-HpCDD	1.000	34.98	34.97	0.711		634049.66	2123.3684	2123.3684	106.2	12.0746	1.080	1.040		NO
50	1,2,3,4,6,7,8-HpCDD	1.000	34.99	34.99	1.043		158412.43	479.0310	479.0310		2.5464	1.073	1.040		NO
51	Total HpCDDs	1.000		0.00	1.043			479.0310	479.0310		2.5464				
52															
53	13C-OCDD	1.000	37.44	37.43	0.517		887719.00	4084.7112	4084.7112	102.1	12.5247	0.943	0.890		NO
54	OCDF	1.000	37.54	37.54	1.413		295313.45	941.8005	941.8005		4.5476	0.978	0.890		NO
55	OCDD	1.000	37.45	37.45	1.206		249846.99	933.8515	933.8515		3.8918	0.871	0.890		NO
56															
57															
58	Function 1 PFK	1.000	17.38	17.33	14433.000		10697.79	0.7412		74.1	1.3264				
59	Function 3 PFK	1.000		31.80	2690.700						0.0000				
60	Function 2 PFK	1.000	26.29	26.26	6523.000		5050.04	0.7742		77.4	2.1924				
61	Function 4 PFK	1.000	34.55	34.60	4976.100		3729.16	0.7494		74.9	2.3327				
62	Function 5 PFK	1.000	39.86	39.82	5611.100		13594.92	2.4228		242.3	3.4365				
63	TCDF PCDFE	1.000	20.06	20.06	40.321		51.51	1.2775		127.8	0.2318				
64	F1 PeCDF PCDFE	1.000	18.24	18.24	63.097						0.0000				
65	F2 PeCDF PCDFE	1.000	21.71	21.71	48.006						0.0000				
66	HxCDF PCDFE	1.000	33.25	33.31	2.541		8.51	3.3499		335.0	4.9540				

Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:57:45 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300, Task:

# Name	Tracer	Sample Size	RT	Ptd RT	RRF/M	Abs Resp	Comp	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
67 HPCDF PCDPE	479.7165	1.000	35.91	35.84	34.039	22.01	0.6466		64.7	0.2362				
68 OCDF PCDPE	513.67750	1.000	38.96	38.98	1.599	58.85	36.7960		367...	6.2463				

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

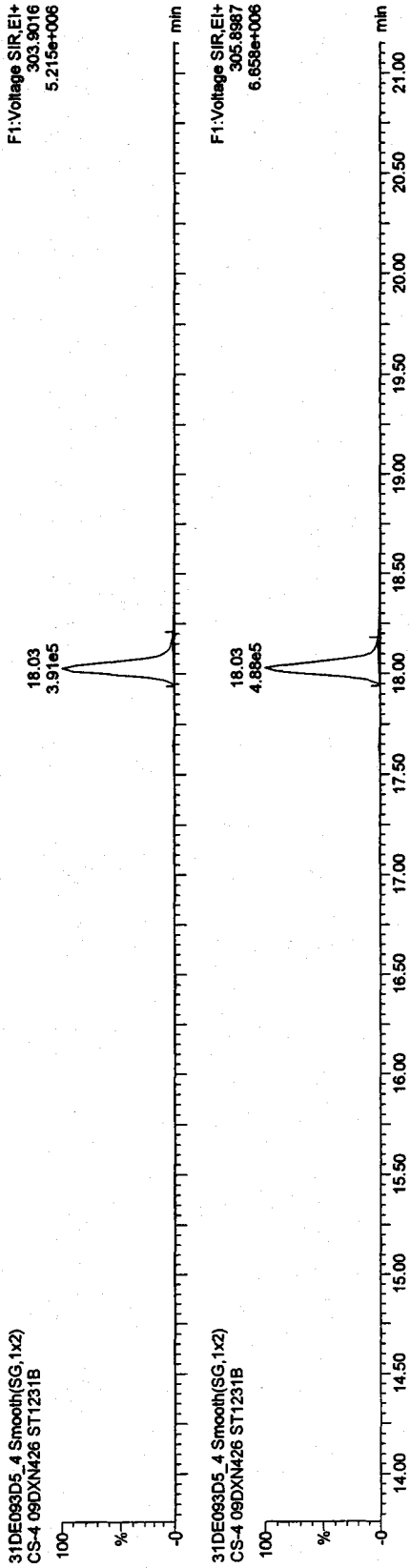
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Method: C:\MassLynx\Default.PROMethDB\82903D5.mdb 31 Dec 2009 10:05:23  
Calibration: 31 Dec 2009 13:37:23

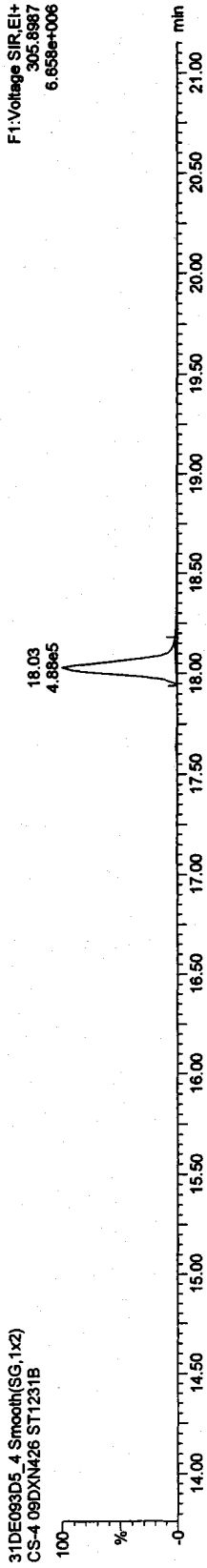
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

TCDFs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

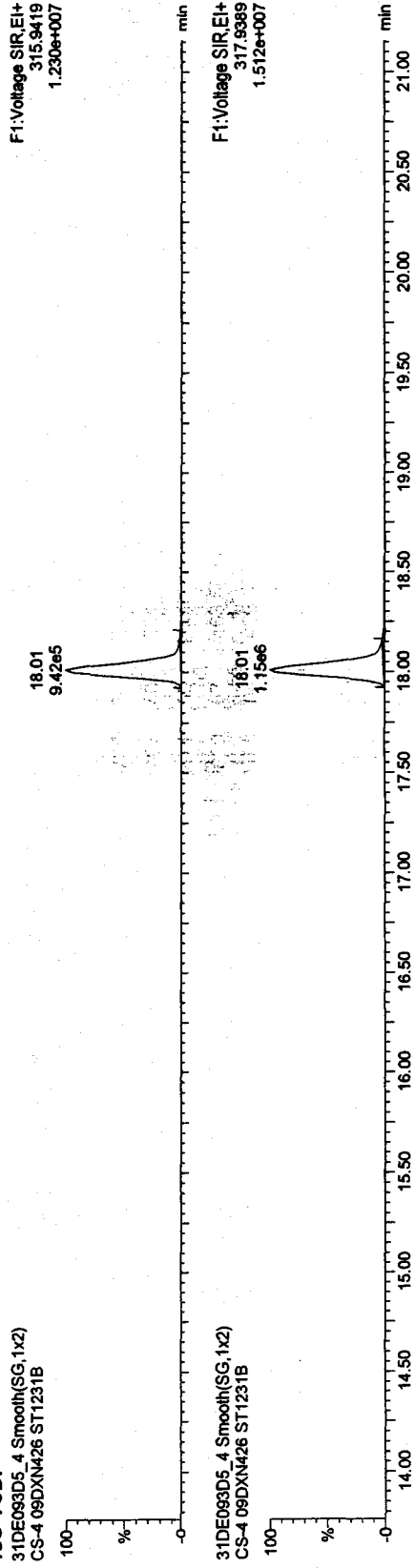


31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



13C-TCDF

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Quantify Sample Report MassLynx 4.1

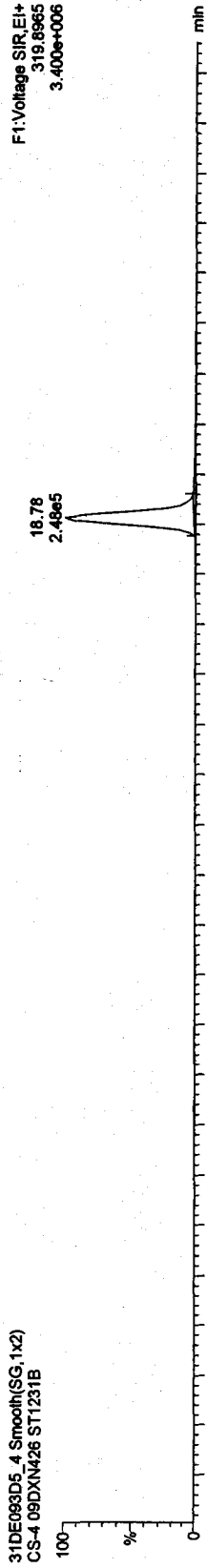
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

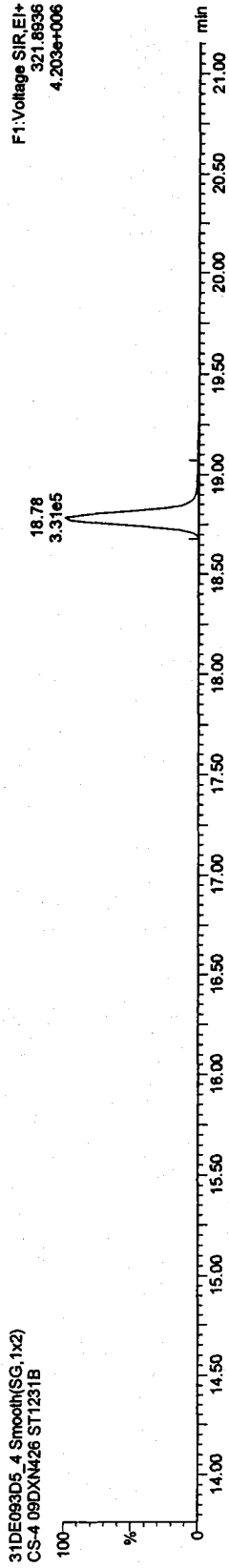
TCDDs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



F1:Voltage SIR,EI+  
319.8665  
3.400e+006

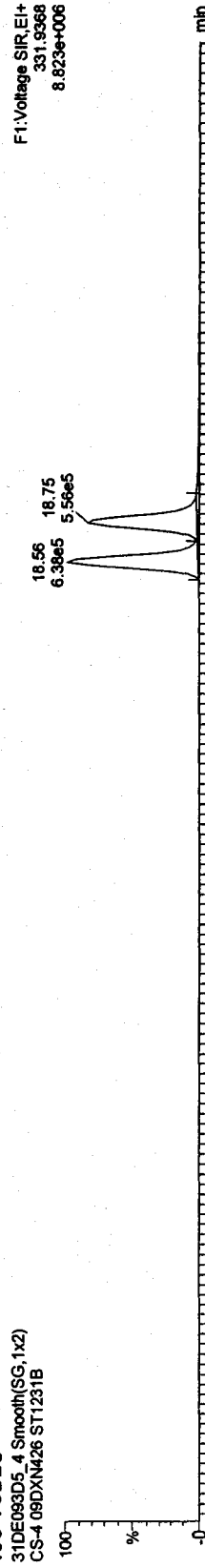
31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



F1:Voltage SIR,EI+  
321.8936  
4.203e+006

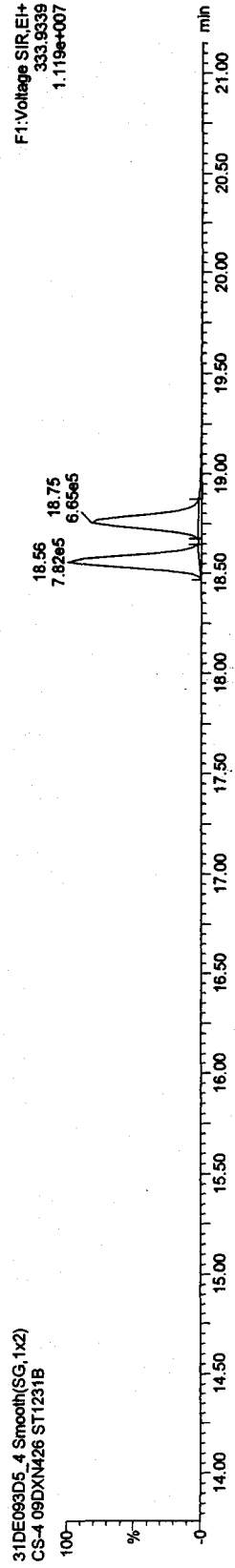
13C-TCDDs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



F1:Voltage SIR,EI+  
331.9368  
8.823e+006

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



F1:Voltage SIR,EI+  
333.9339  
1.119e+007

Quantify Sample Report MassLynx 4.1

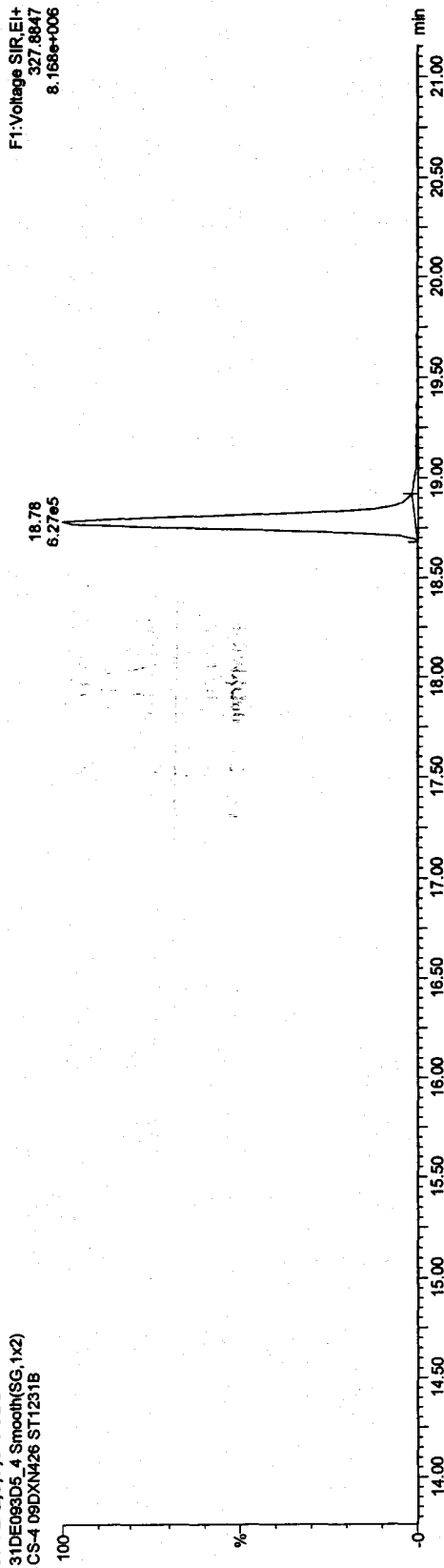
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

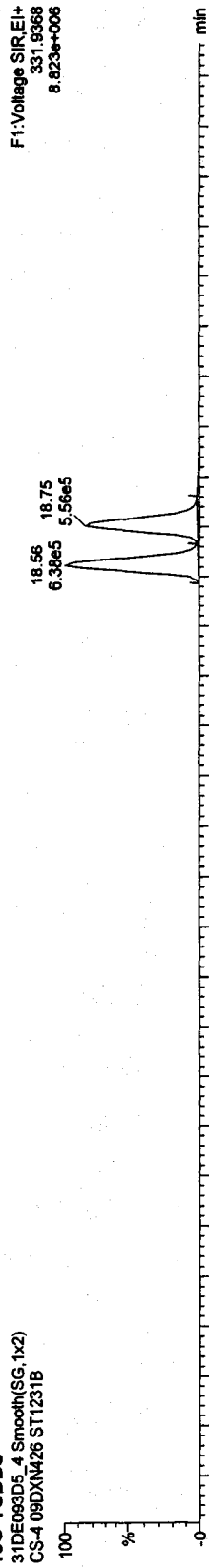
37CL-2,3,7,8-TCDD

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

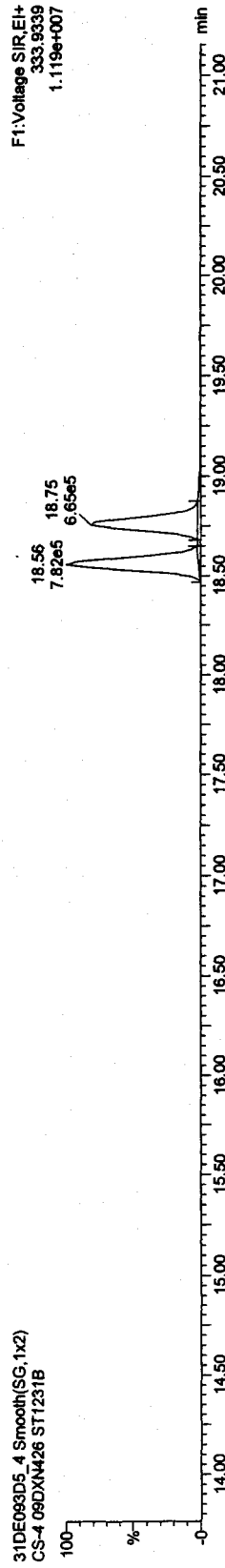


13C-TCDDs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

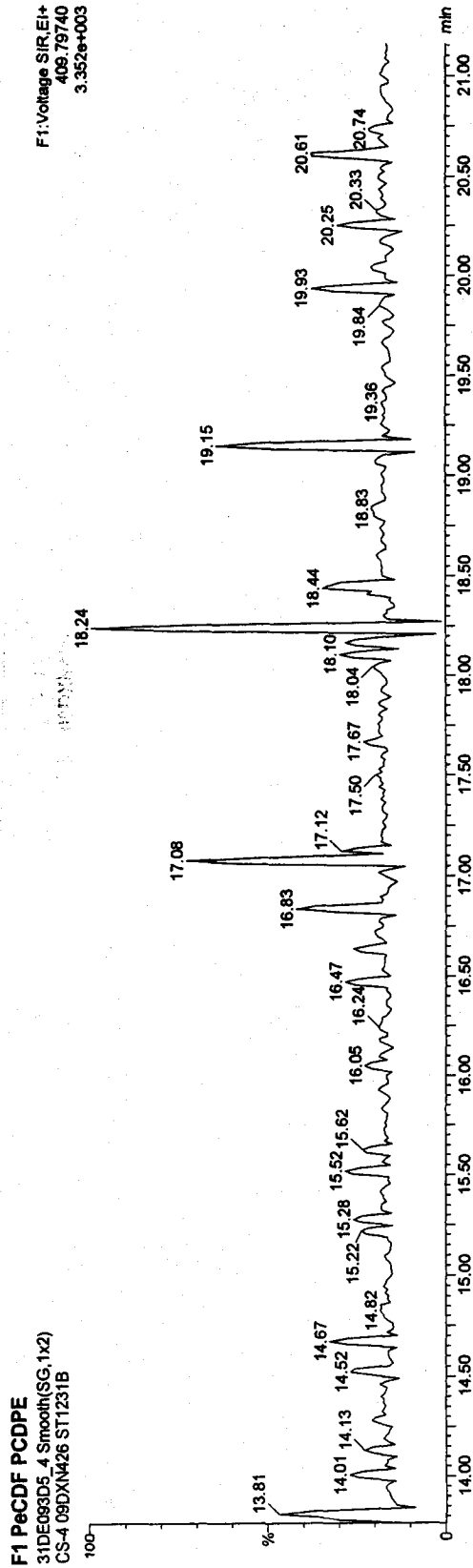
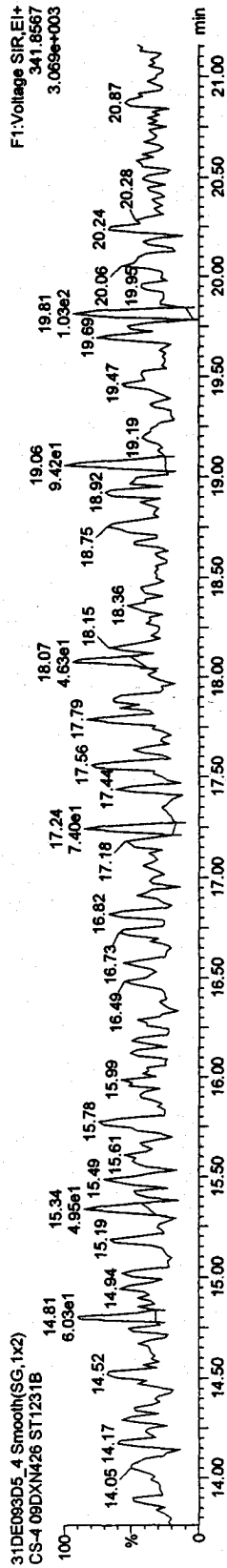
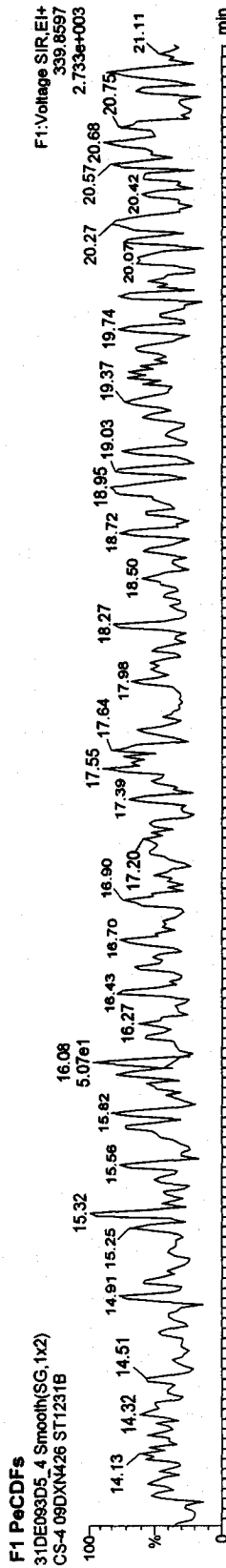


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426



Quantify Sample Report MassLynx 4.1

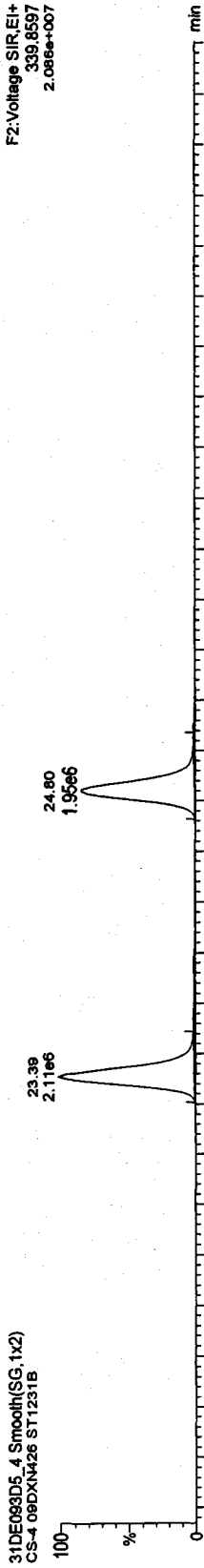
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

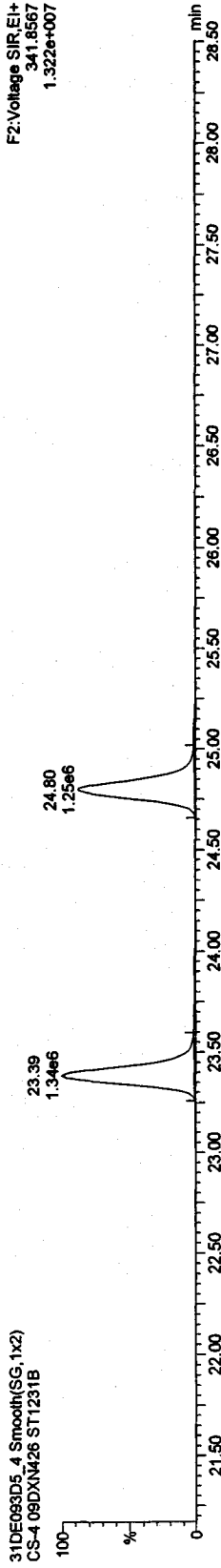
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

PeCDFs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

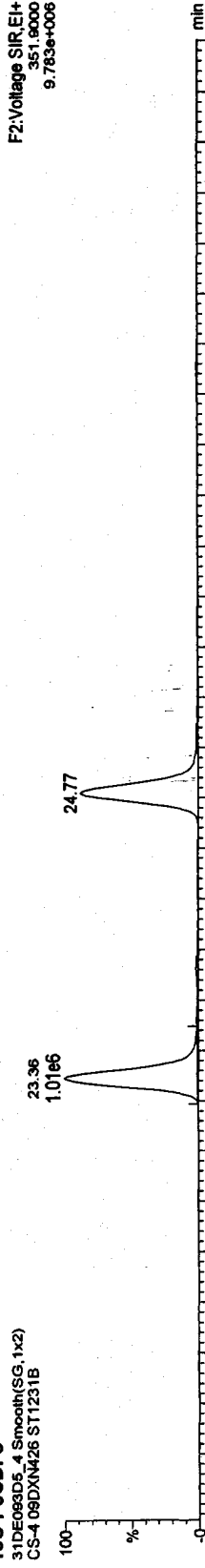


31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

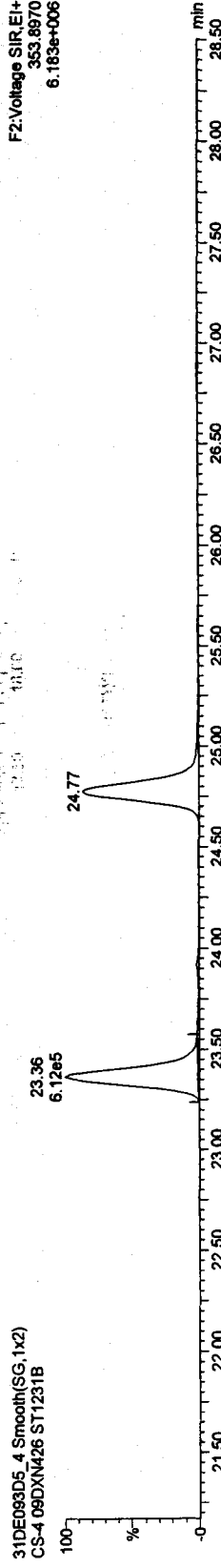


13C-PeCDFs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

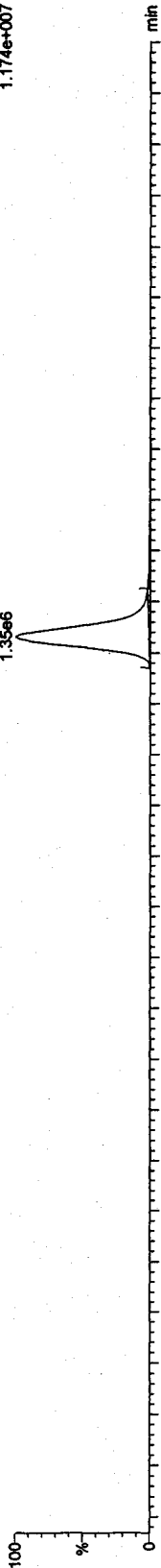
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

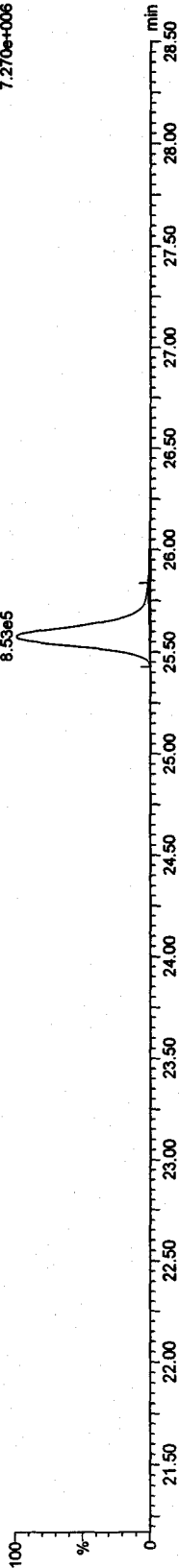
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

PeCDDs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

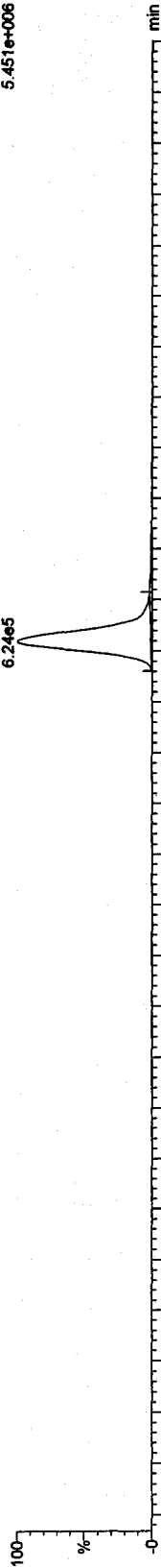


31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

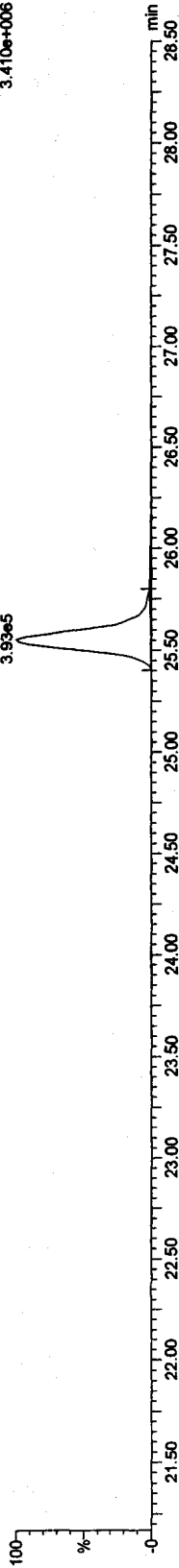


13C-PeCDD

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Quantify Sample Report **MassLynx 4.1**

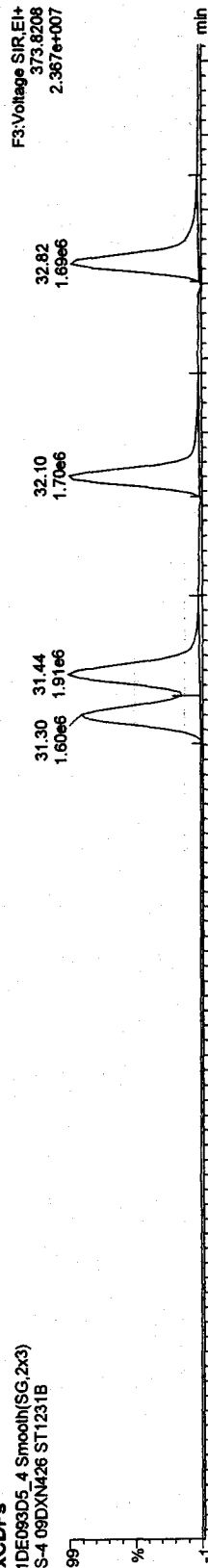
Dataset: C:\MassLynxDefault.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

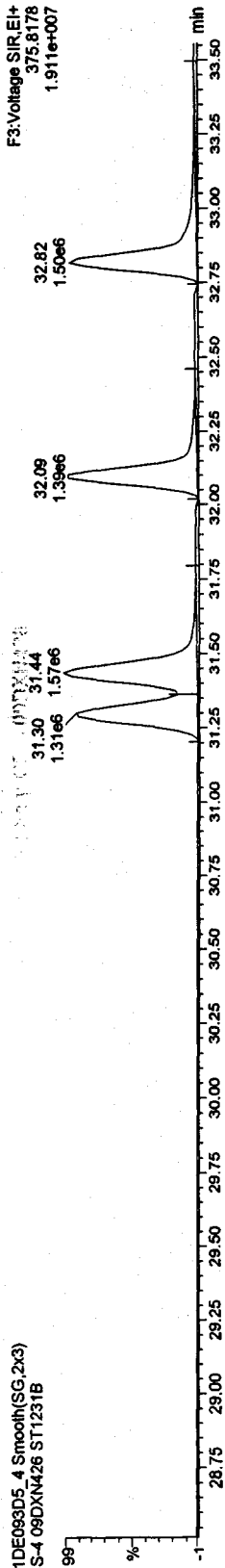
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

**HxCDFs**

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B

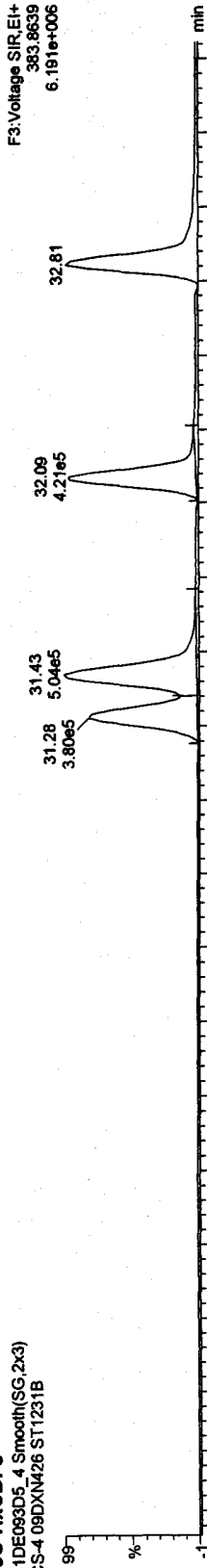


31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B

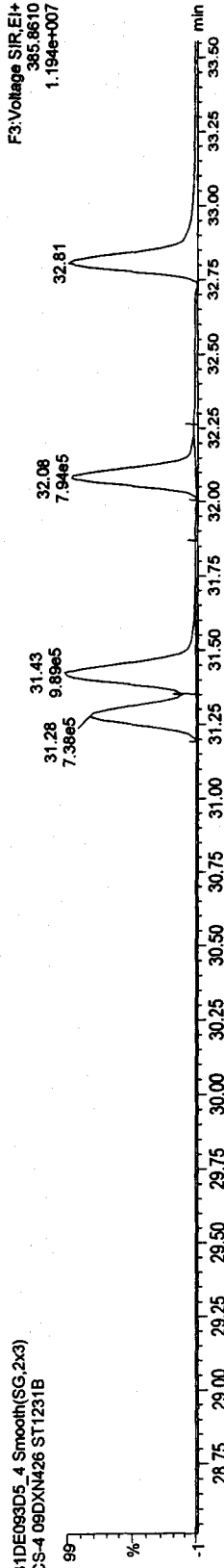


**13C-HxCDFs**

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



Quantify Sample Report MassLynx 4.1

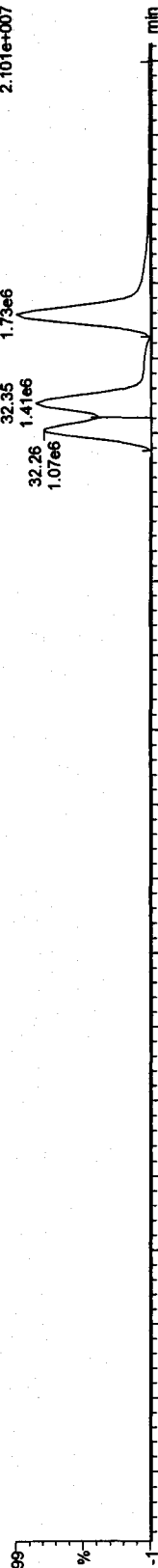
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

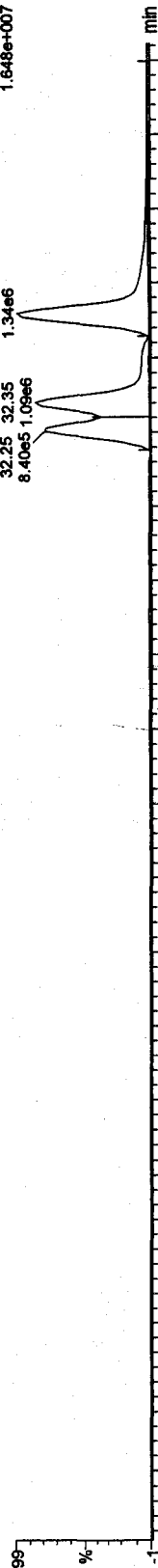
HxCDDs

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



F3:Voltage SIR,EI+  
389.8157  
2.101e+007

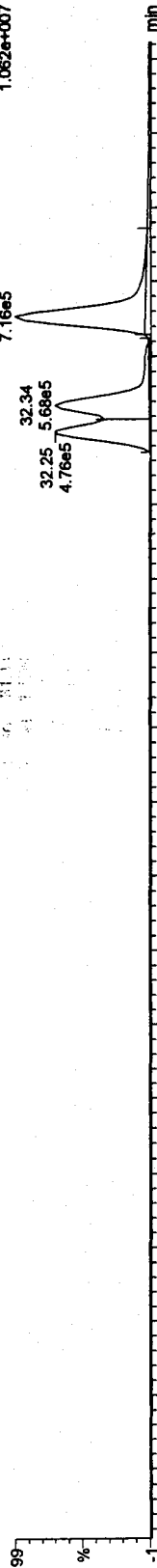
31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



F3:Voltage SIR,EI+  
391.8127  
1.648e+007

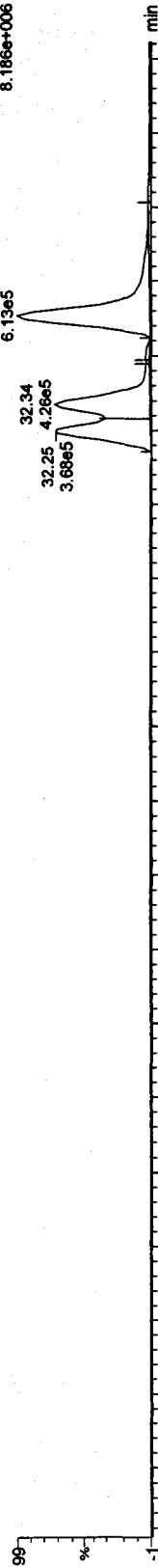
13C-HxCDDs

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



F3:Voltage SIR,EI+  
401.8559  
1.062e+007

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



F3:Voltage SIR,EI+  
403.8529  
8.186e+006

Quantify Sample Report MassLynx 4.1

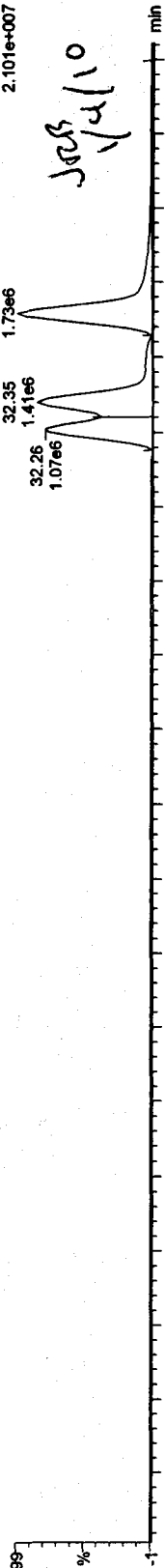
Dataset: C:\MassLynx\Default.pro\613CHRO.qld

Last Altered: Monday, January 04, 2010 10:41:15 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:41:56 Pacific Standard Time

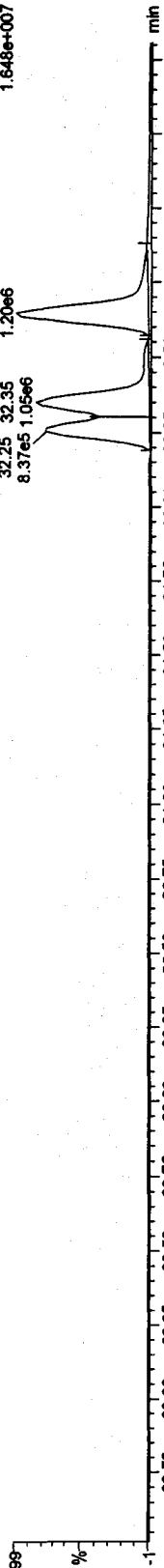
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

HxCDDs

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B

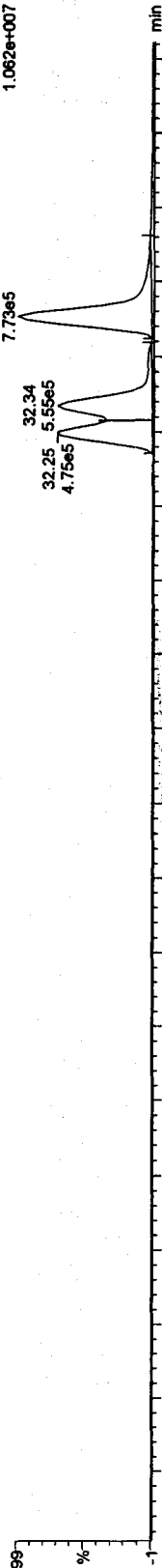


31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B

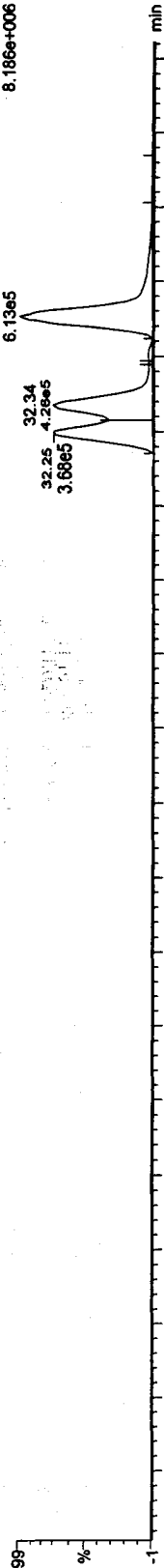


13C-HxCDDs

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



Quantify Compound Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D51613.qld

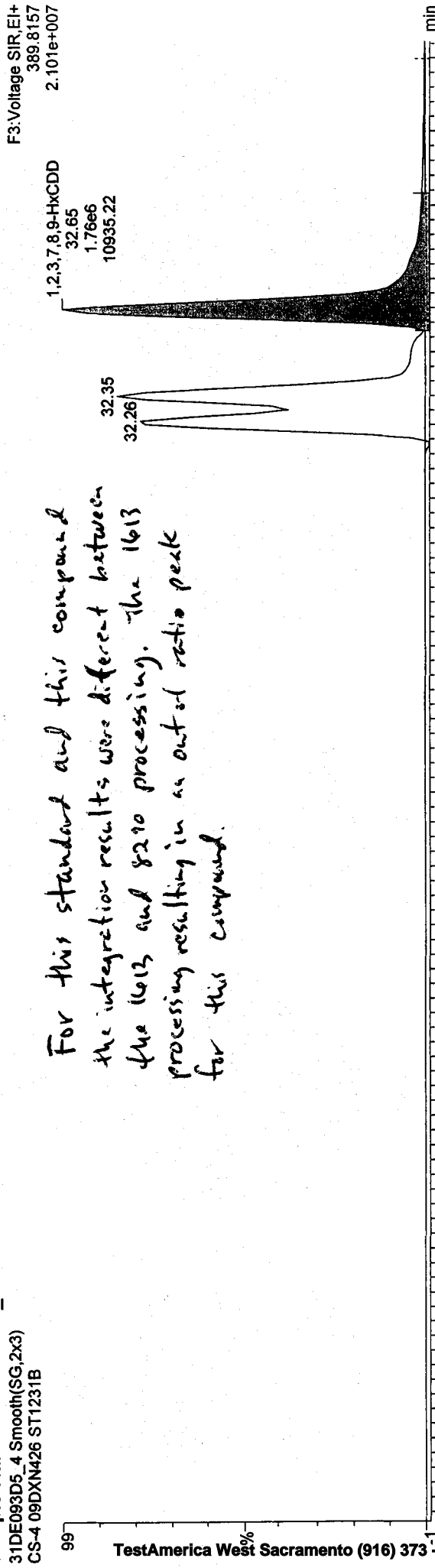
Last Altered: Monday, January 04, 2010 10:06:26 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:15:24 Pacific Standard Time

Method: C:\MassLynx\Default.PROMethDB\16133D5.mdb 04 Jan 2010 09:27:15  
Calibration: 04 Jan 2010 10:06:26

Sample Name: 31DE093D5\_4

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B

*For this standard and this compound  
the integration results were different between  
the 1613 and 8210 processing. The 1613  
processing resulting in an out of ratio peak  
for this compound.*

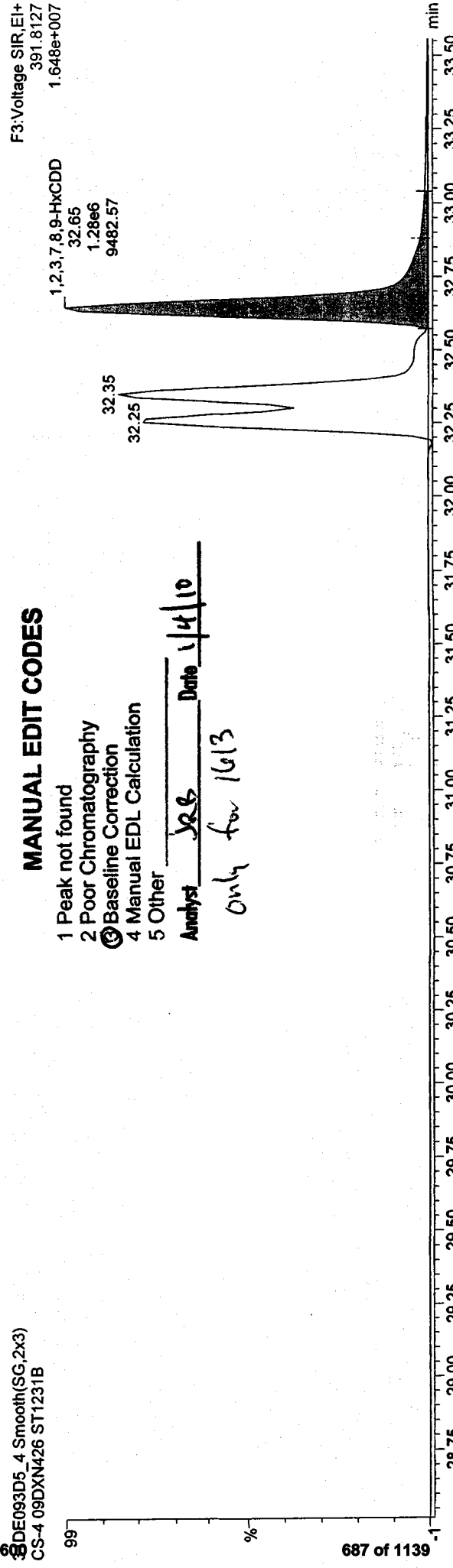


31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B

MANUAL EDIT CODES

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

Analyst JRB Date 1/4/10  
*Only for 1613*



Quantify Sample Report MassLynx 4.1

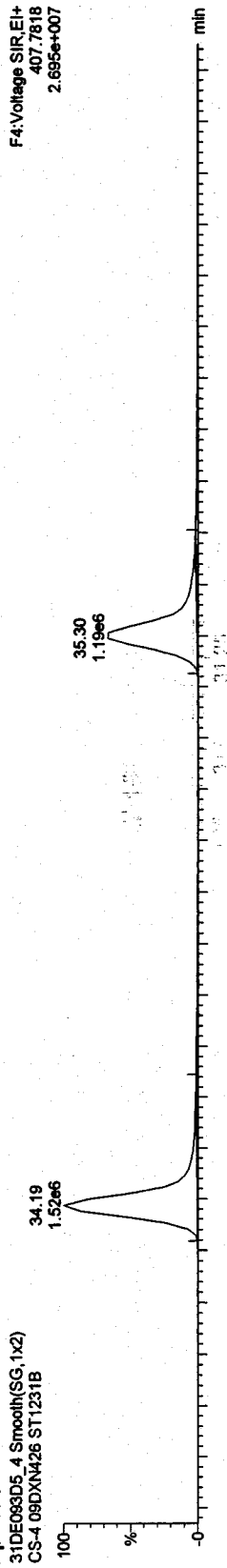
Dataset: C:\MassLynx\Default\pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

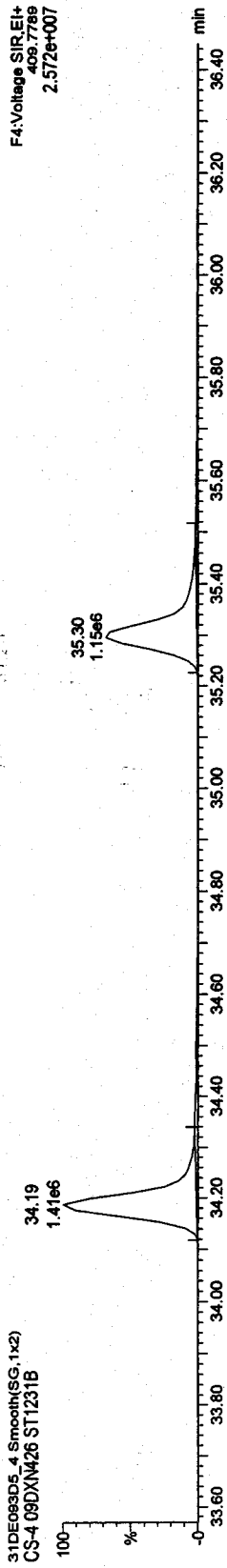
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

HpCDFs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

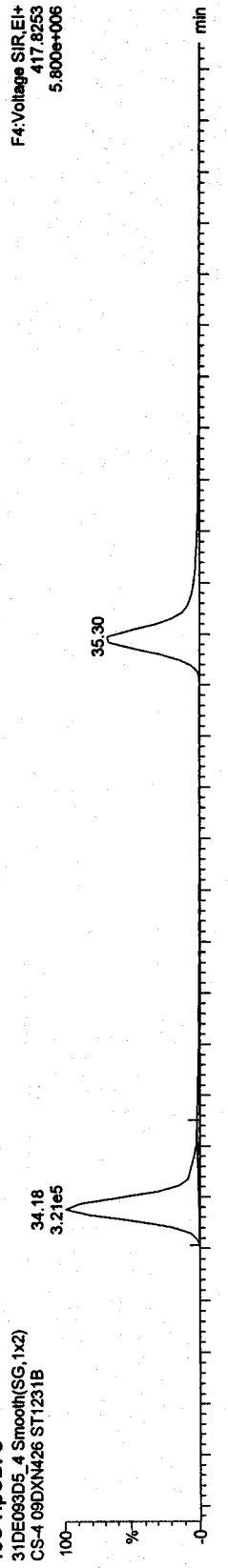


31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

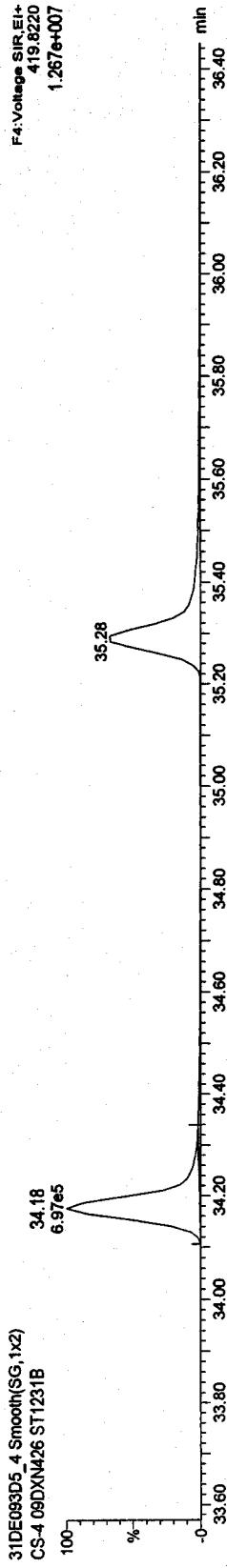


13C-HpCDFs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Quantify Sample Report MassLynx 4.1

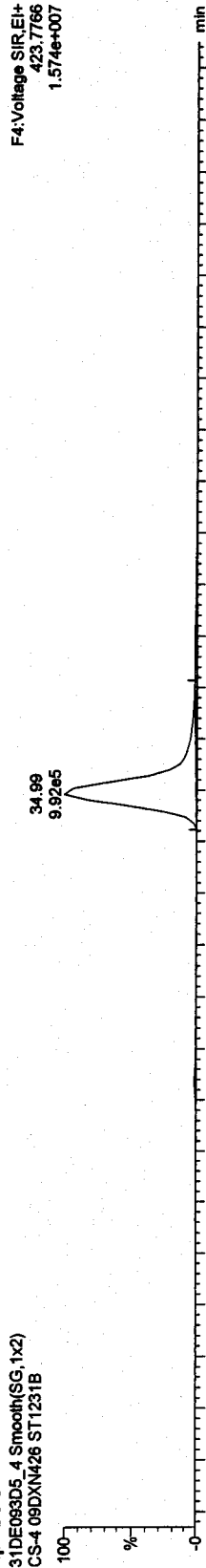
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

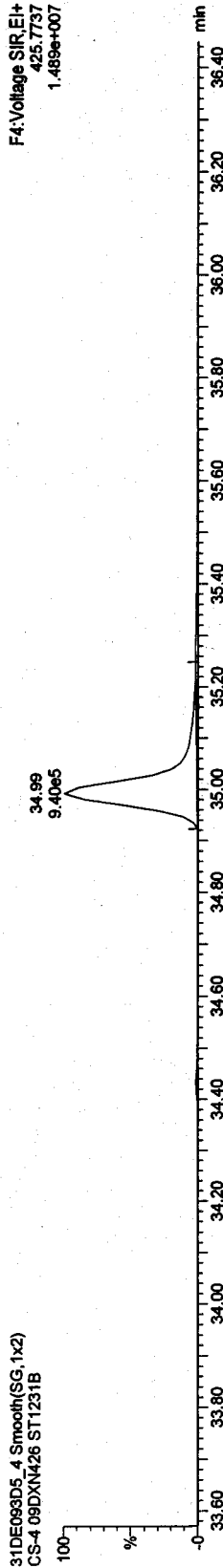
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

HpCDDs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

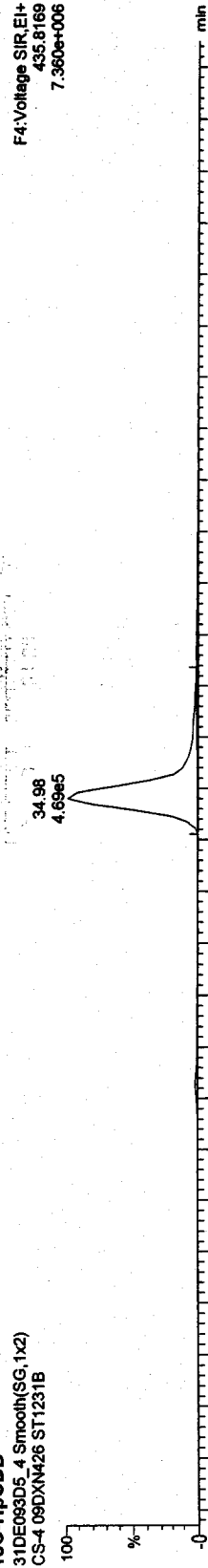


31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

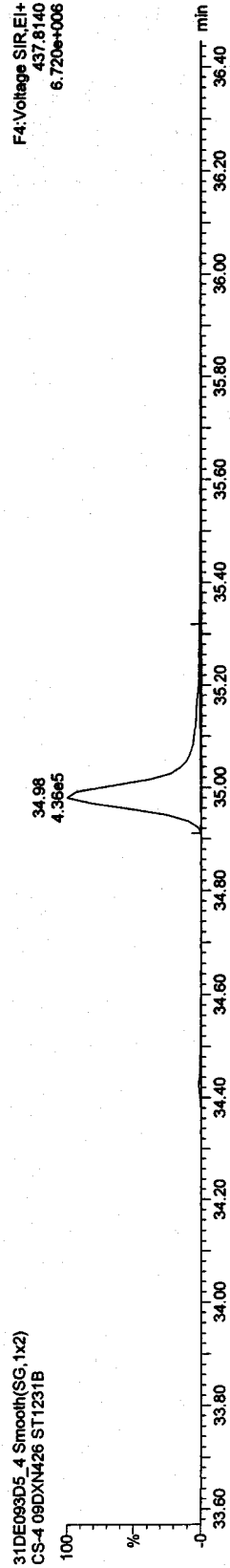


13C-HpCDD

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Quantify Sample Report MassLynx 4.1

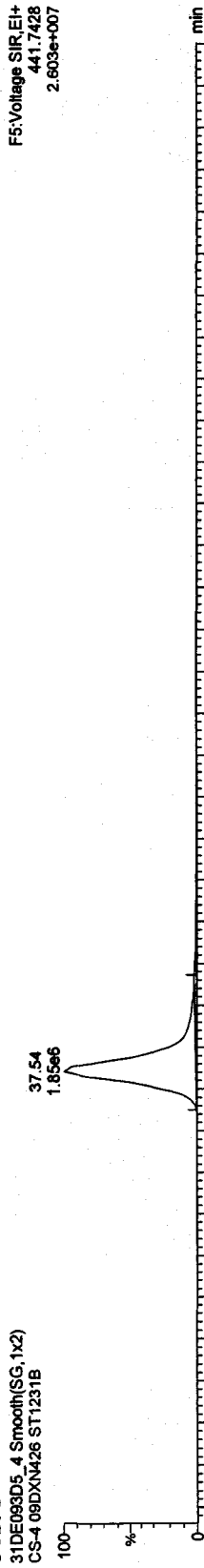
Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

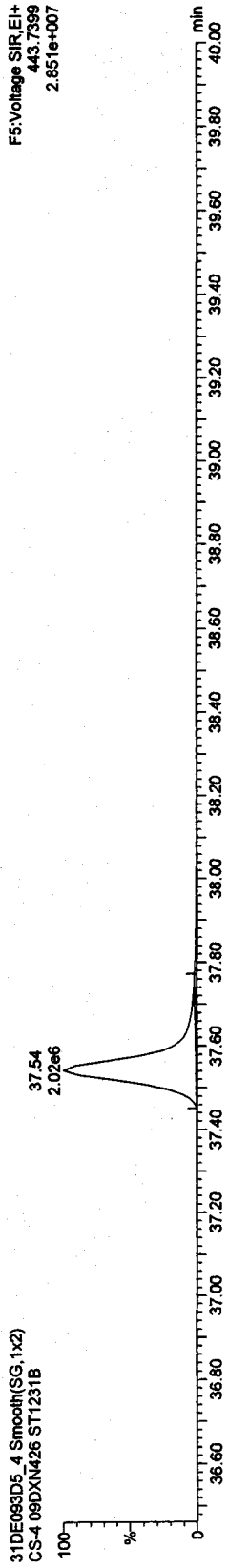
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

OCDFs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

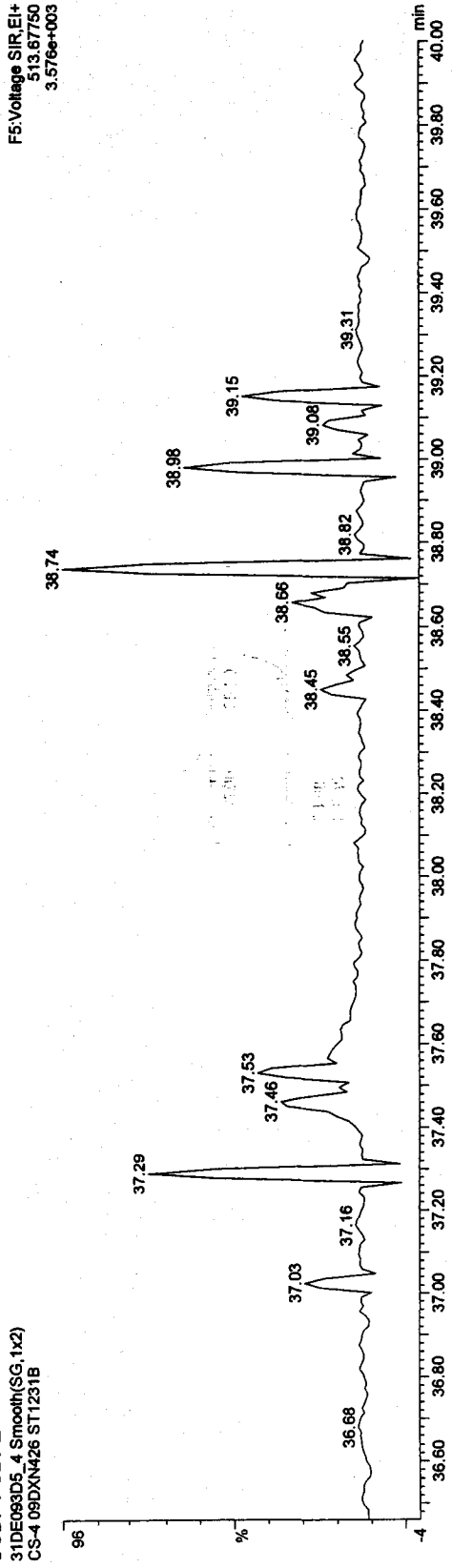


31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



OCDF PCDFE

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



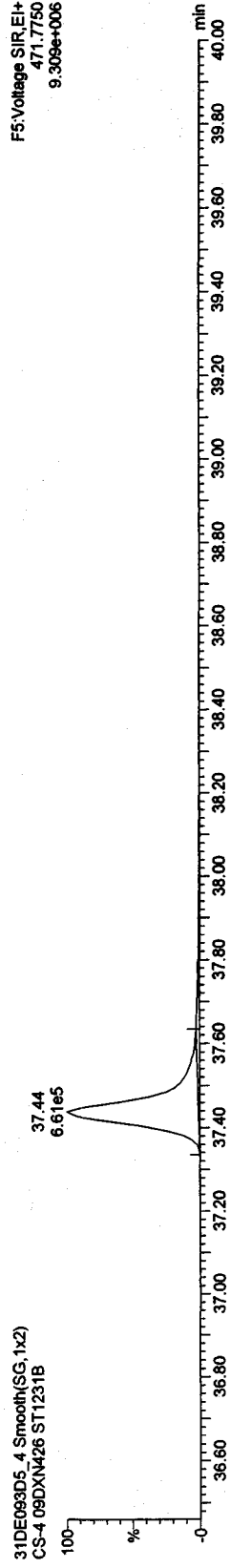
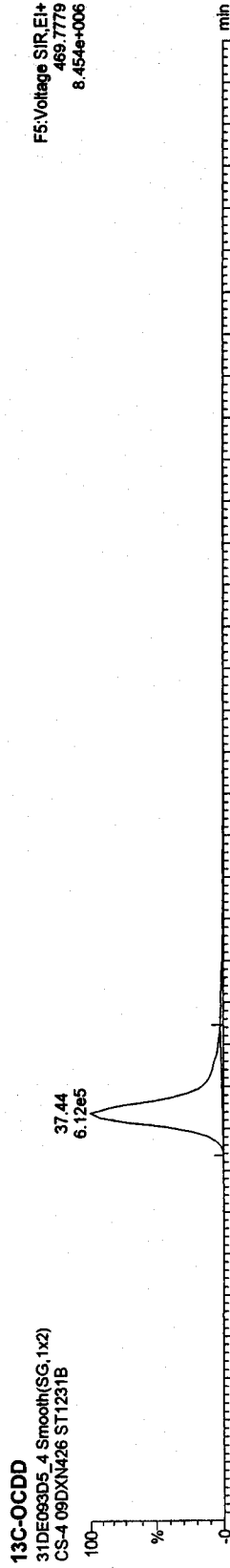
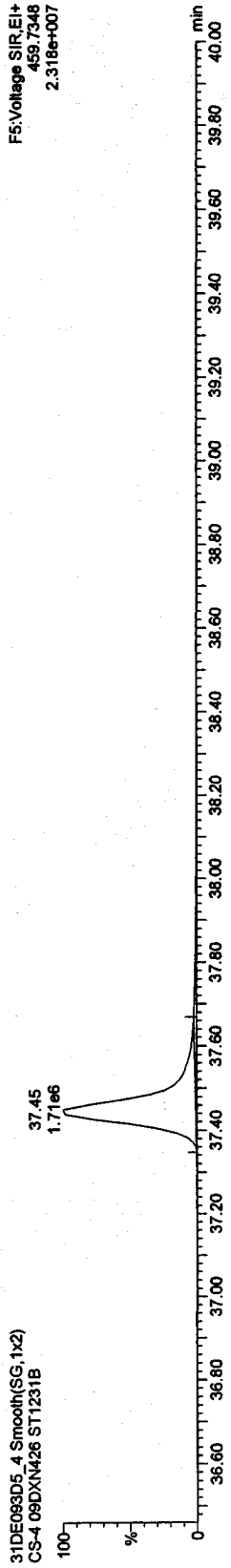
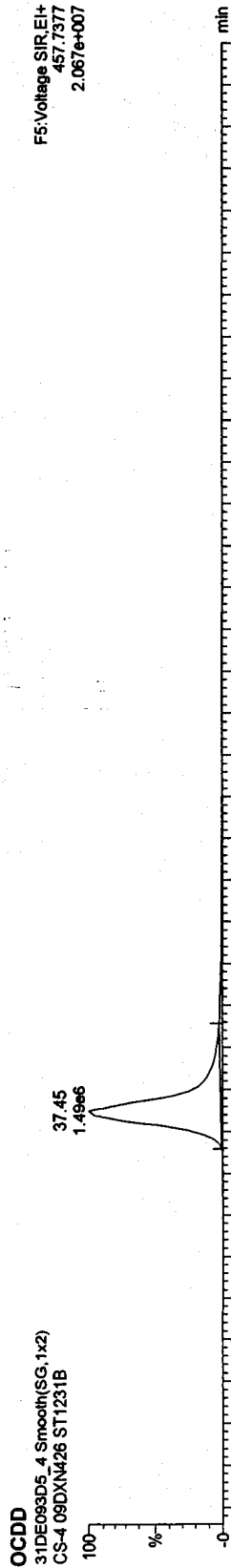


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

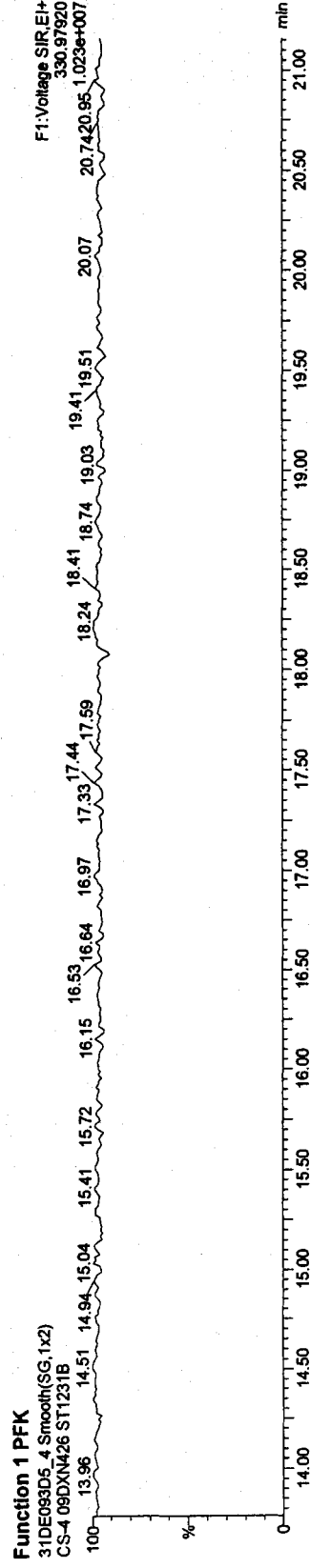
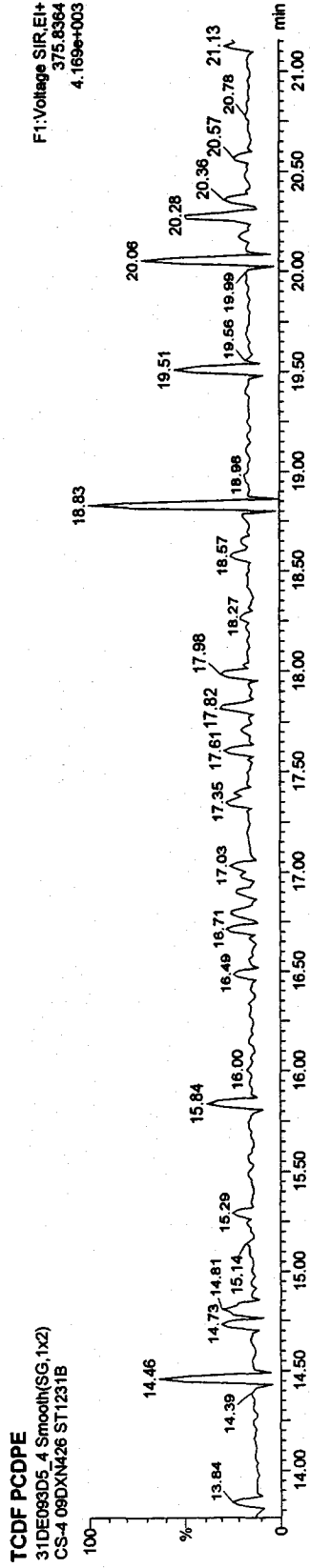
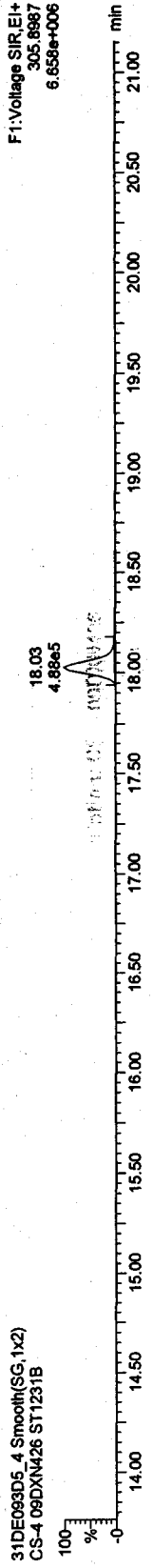
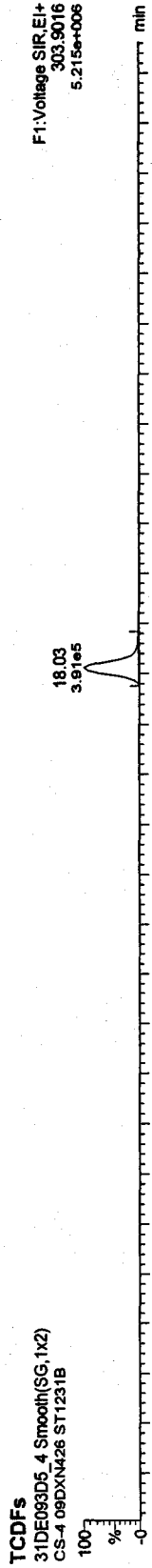


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

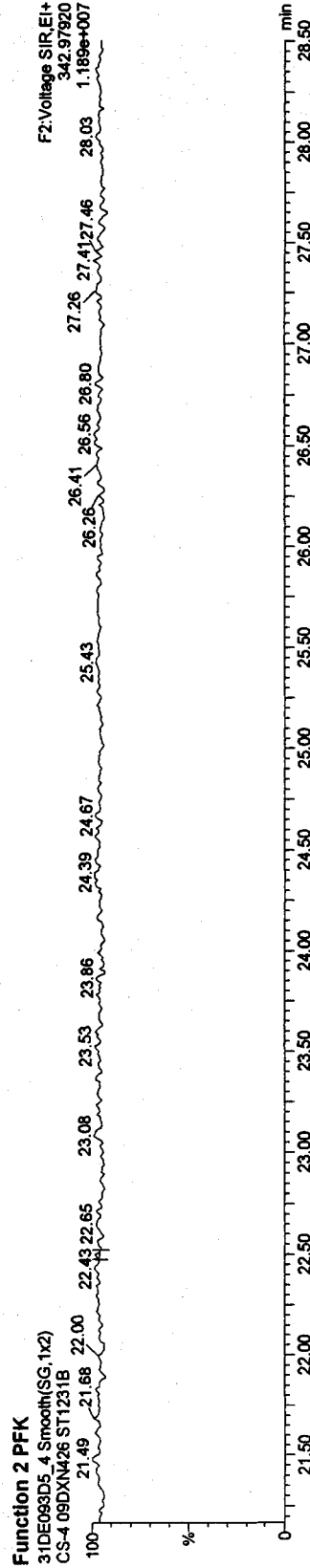
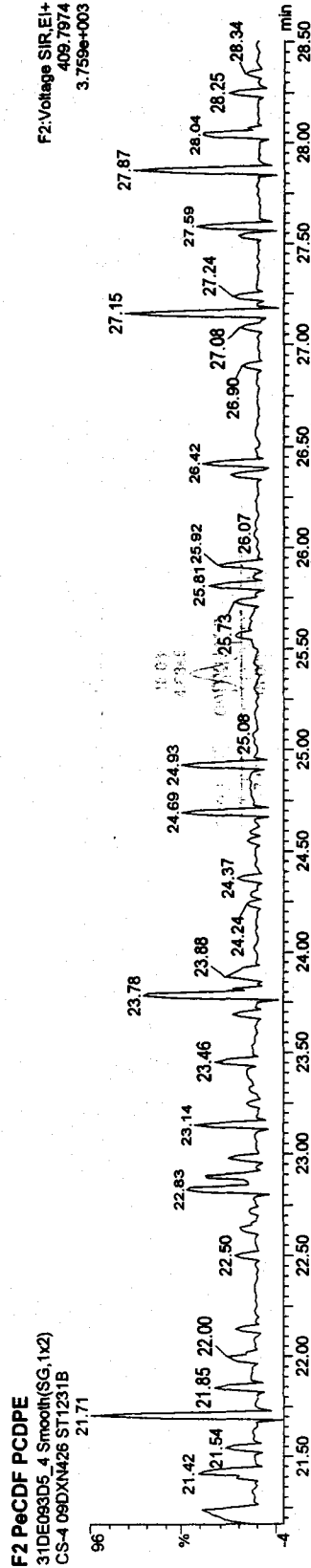
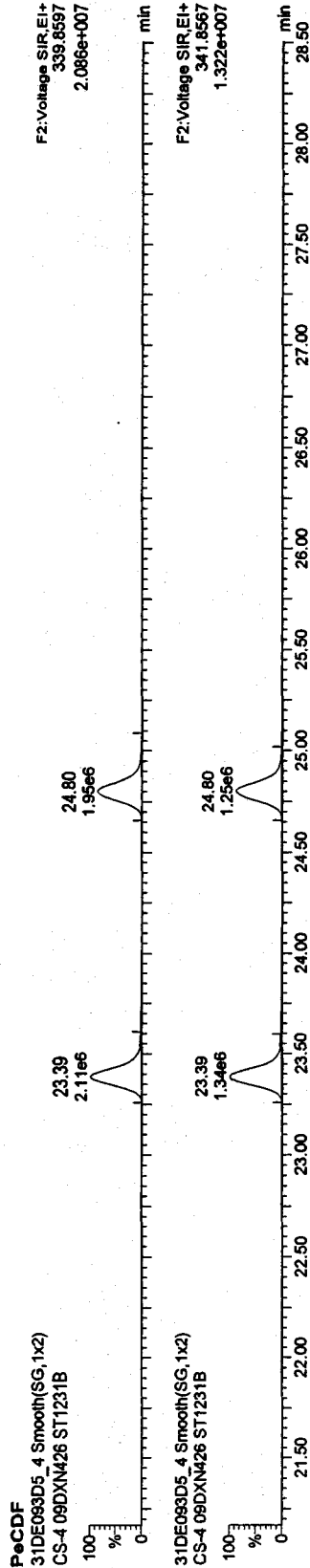


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426



Quantify Sample Report MassLynx 4.1

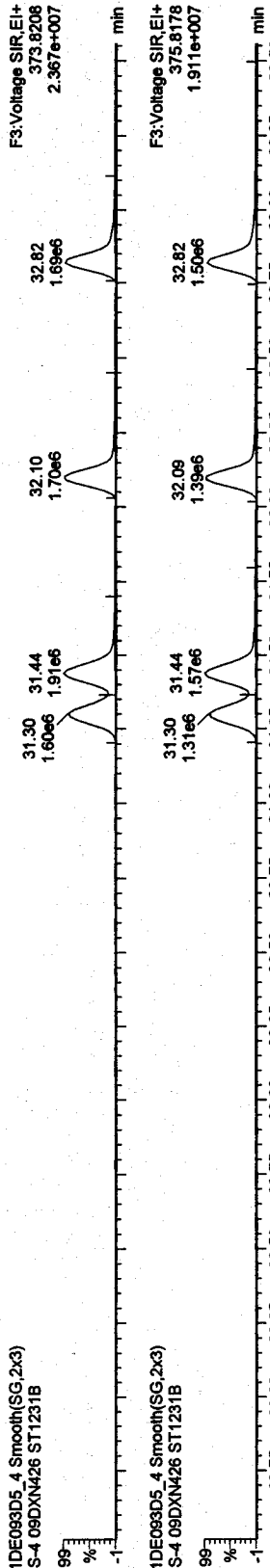
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

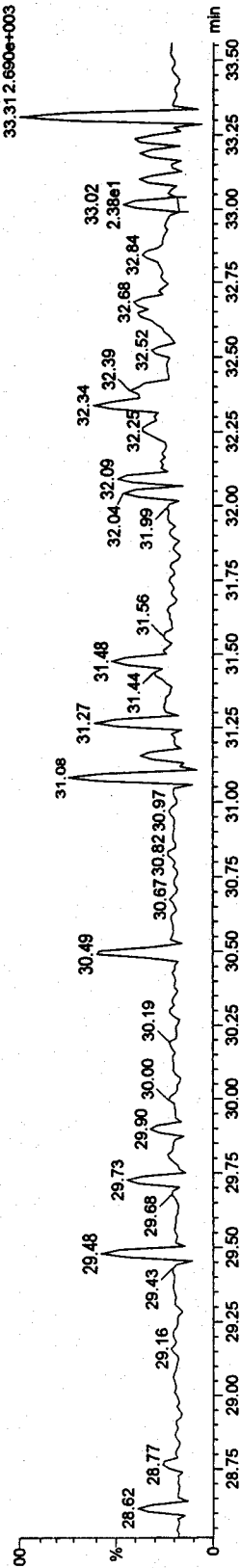
HxCDFs

31DE093D5\_4 Smooth(SG,2x3)  
CS-4 09DXN426 ST1231B



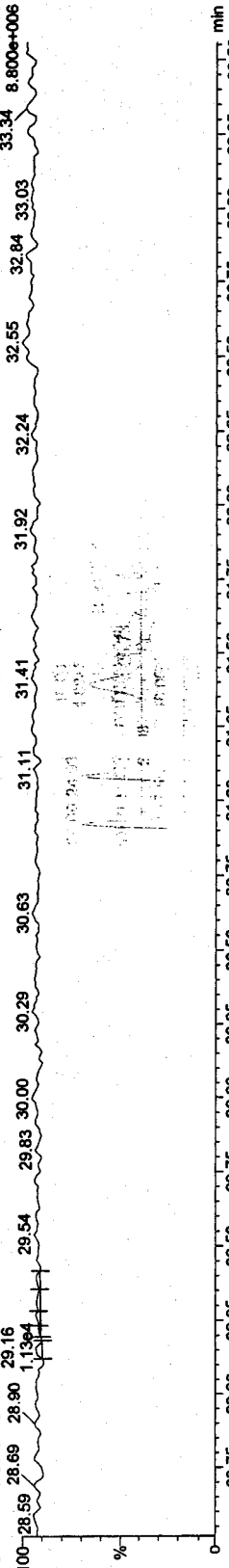
HxCDF PCDFE

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Function 3 PFK

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Quantify Sample Report MassLynx 4.1

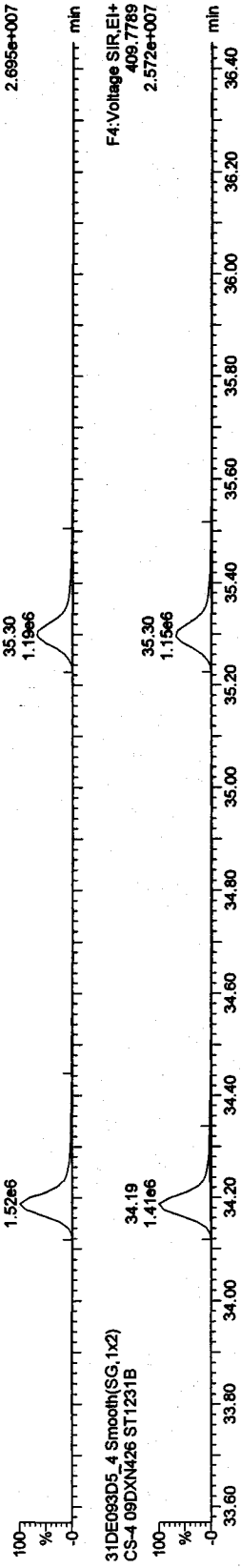
Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

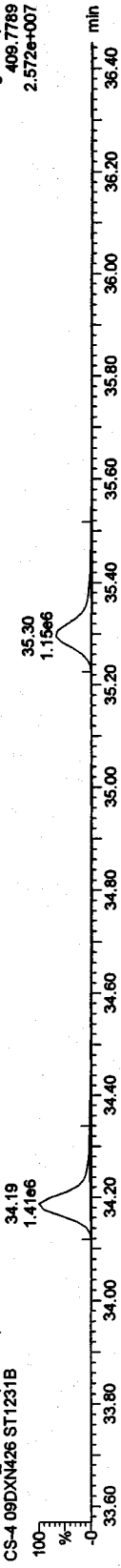
Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

HpCDFs

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

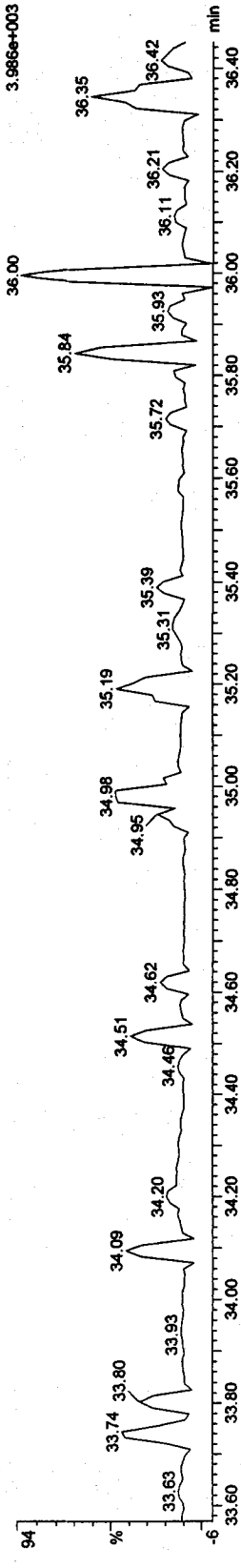


31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



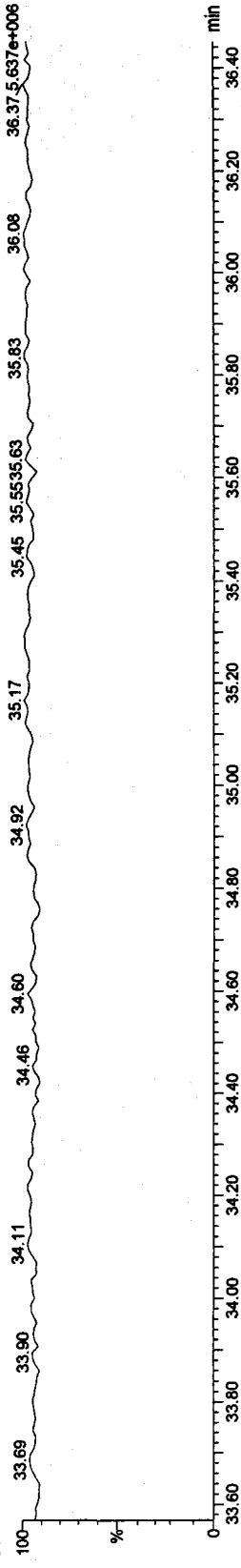
HpCDF PCDFE

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Function 4 PFK

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

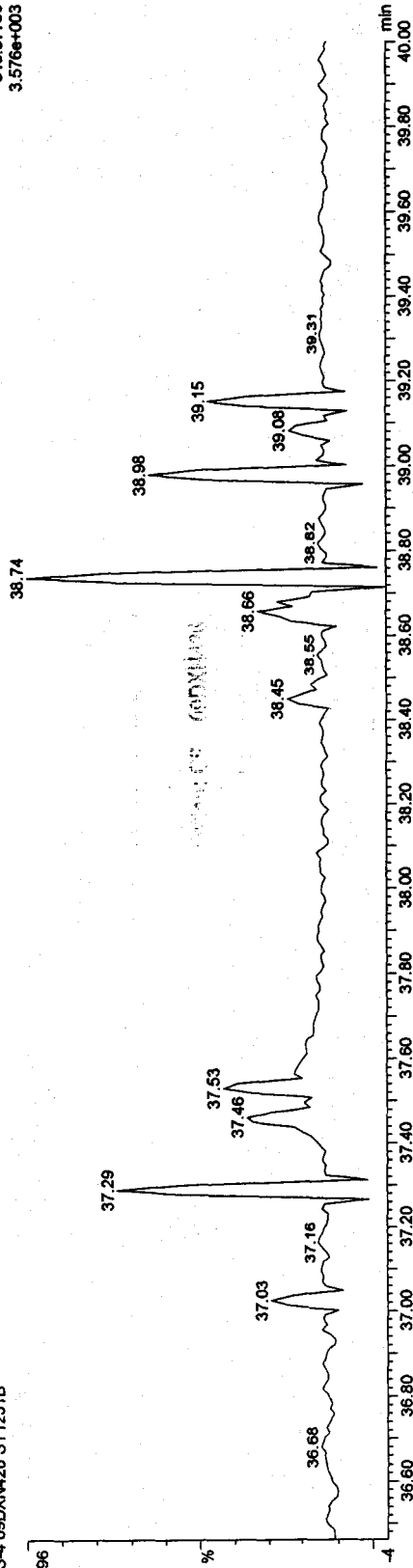
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_4, Date: 31-Dec-2009, Time: 10:01:21, ID: ST1231B, Description: CS-4 09DXN426

OCDF PCDOPE

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

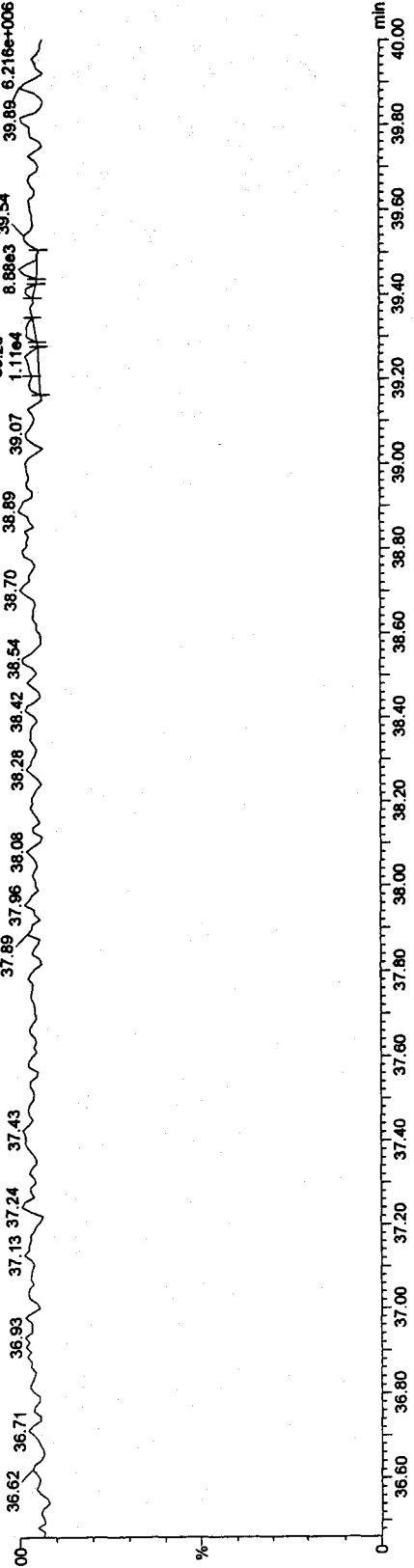
F5:Voltage SIR.EI+  
513.67750  
3.576e+003



Function 5 PFK

31DE093D5\_4 Smooth(SG,1x2)  
CS-4 09DXN426 ST1231B

F5:Voltage SIR.EI+  
442.97280  
6.216e+006

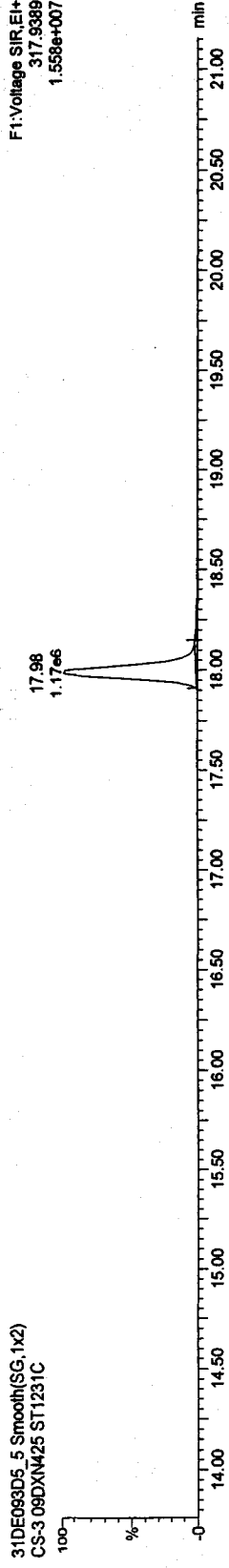
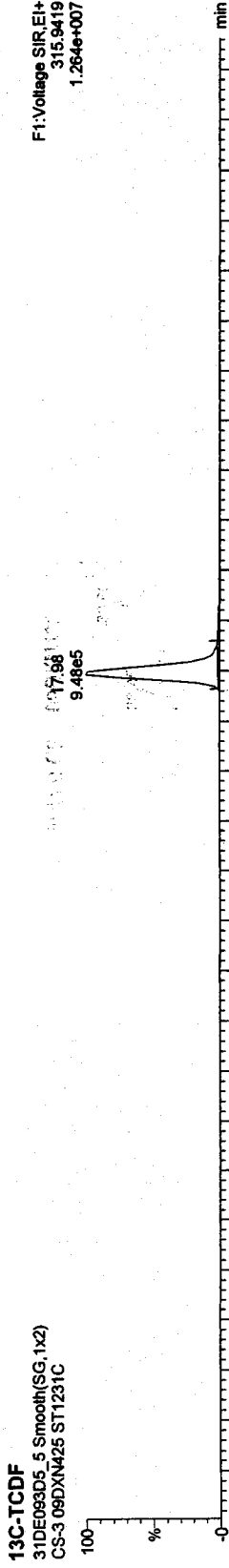
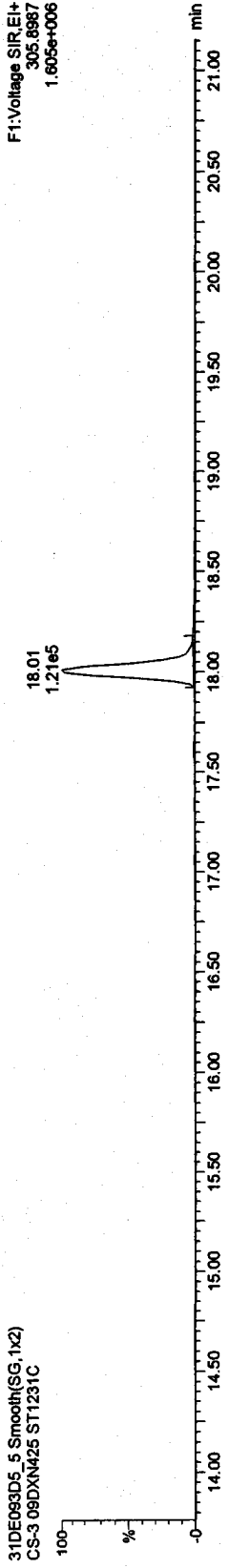
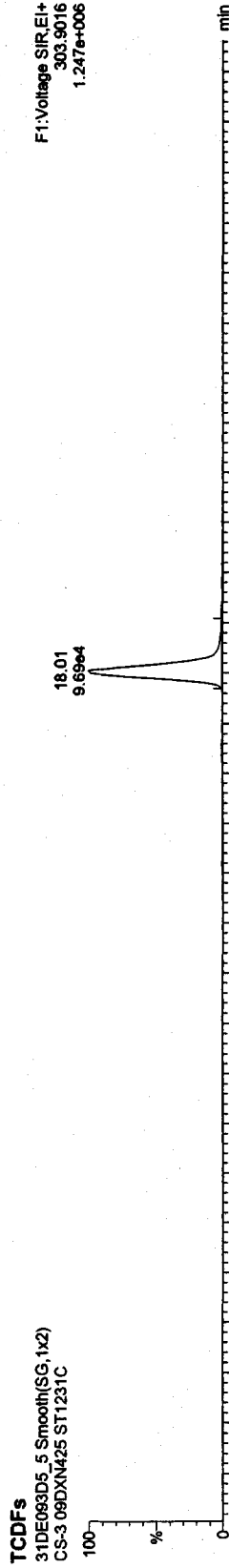


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

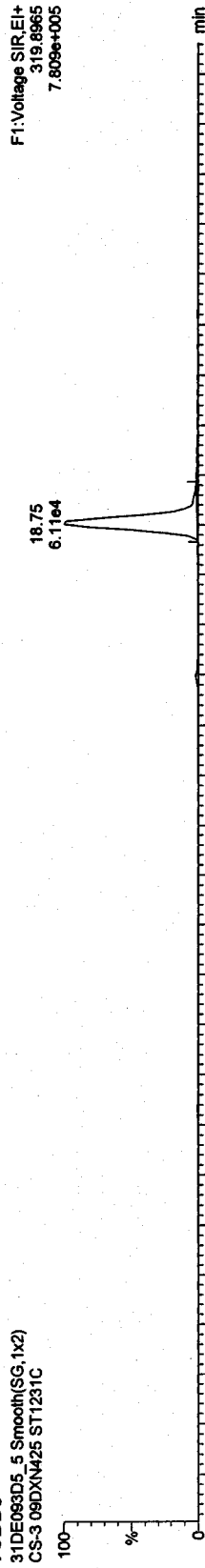
Dataset: C:\MassLynx\Default.pro\ICA123120093D56290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

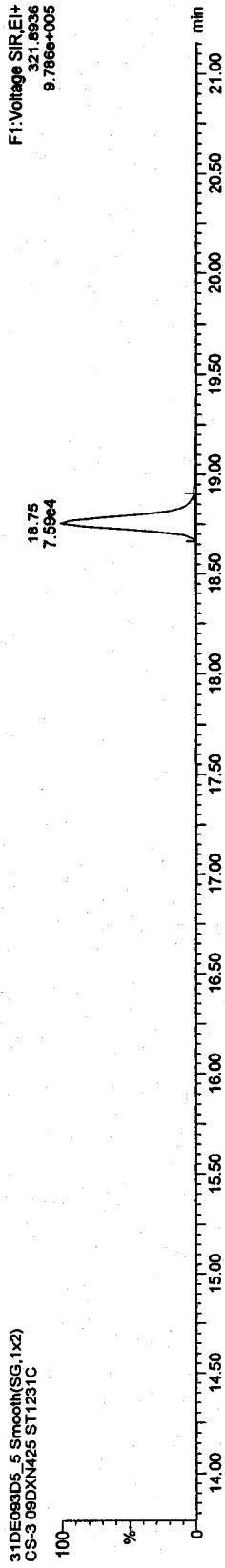
TCDDs

31DE093D5\_5\_Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



F1:Voltage SIR,EI+  
319.8965  
7.809e+005

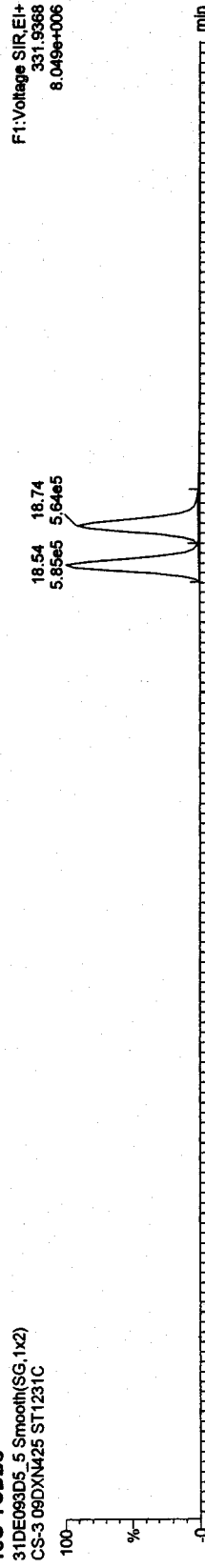
31DE093D5\_5\_Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



F1:Voltage SIR,EI+  
321.8936  
9.786e+005

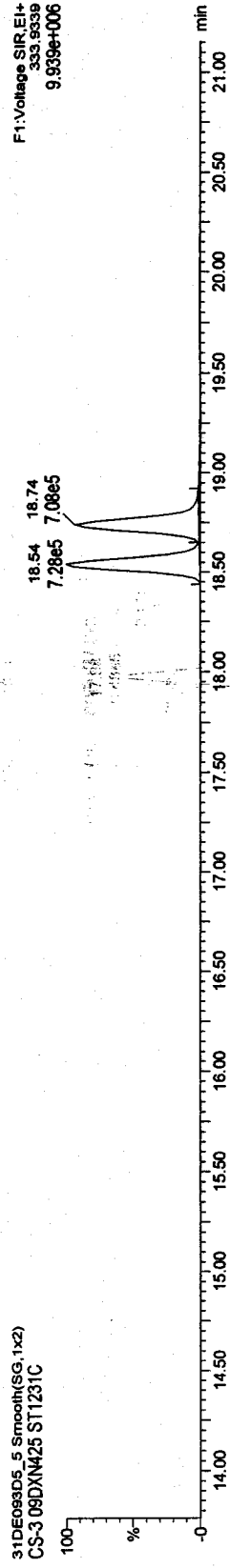
13C-TCDDs

31DE093D5\_5\_Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



F1:Voltage SIR,EI+  
331.9368  
8.049e+006

31DE093D5\_5\_Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



F1:Voltage SIR,EI+  
333.9339  
9.939e+006



Quantify Sample Report MassLynx 4.1

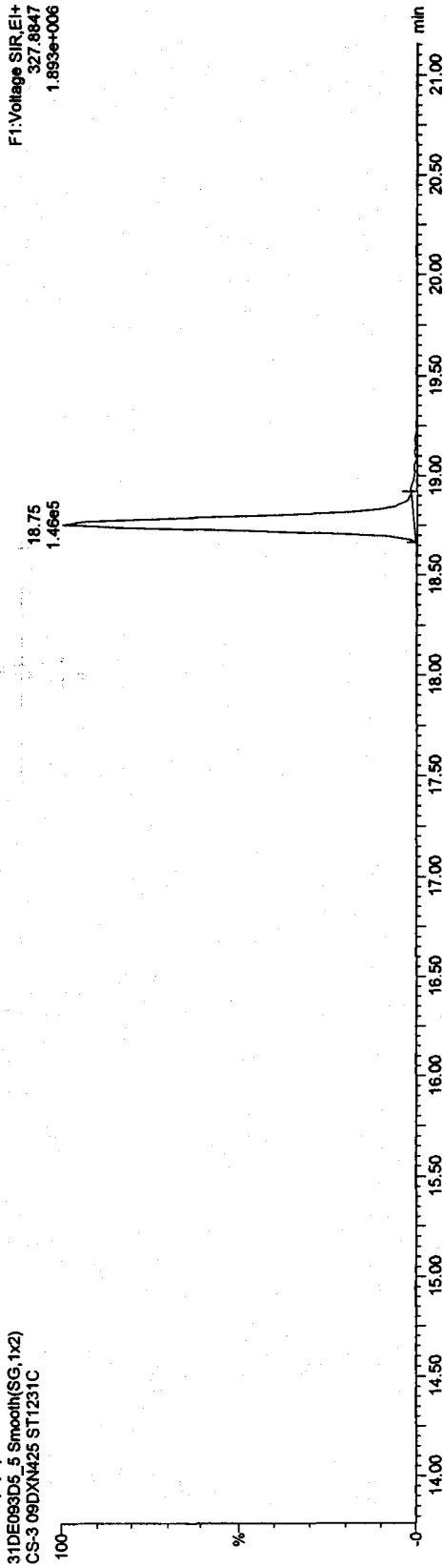
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

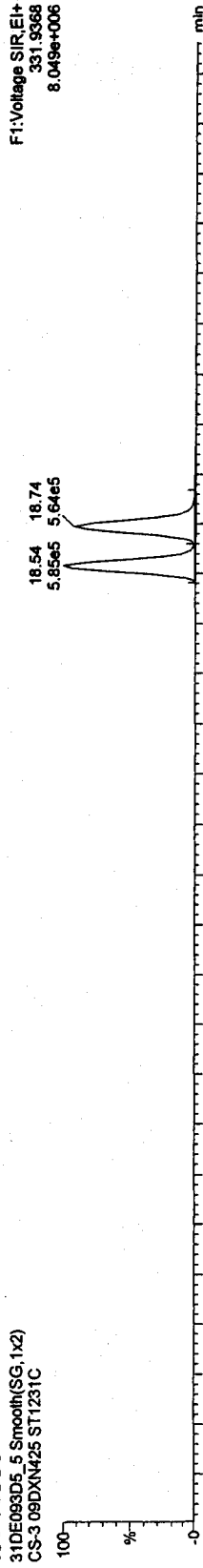
37CL-2,3,7,8-TCDD

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

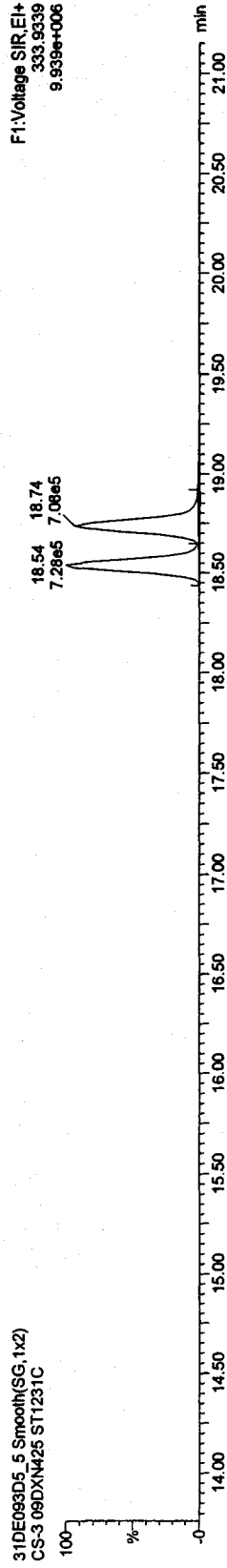


13C-TCDDs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



Quantify Sample Report MassLynx 4.1

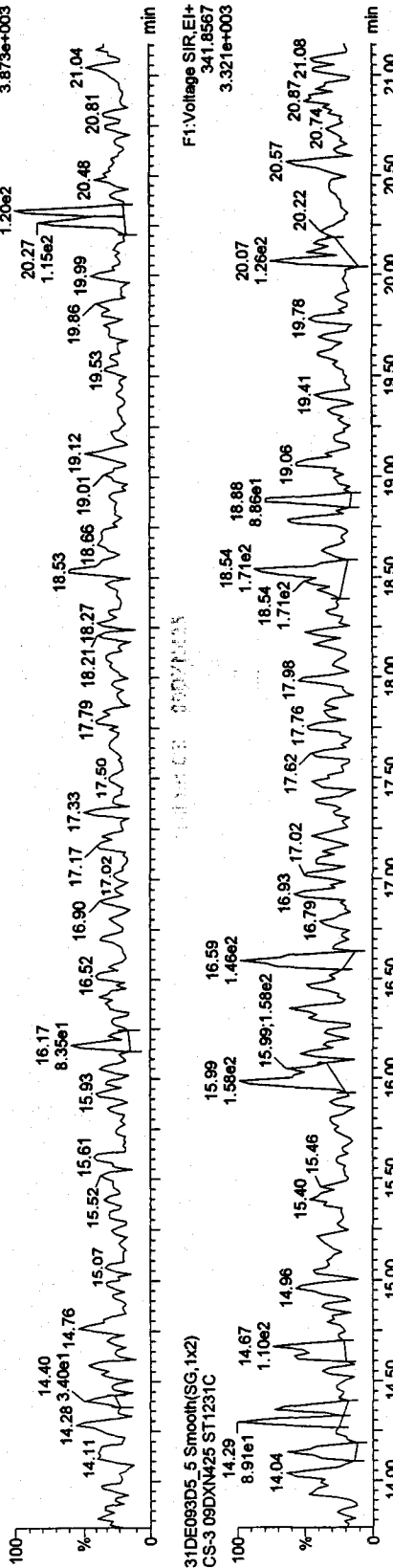
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:46:57, ID: ST1231C, Description: CS-3 09DXN425

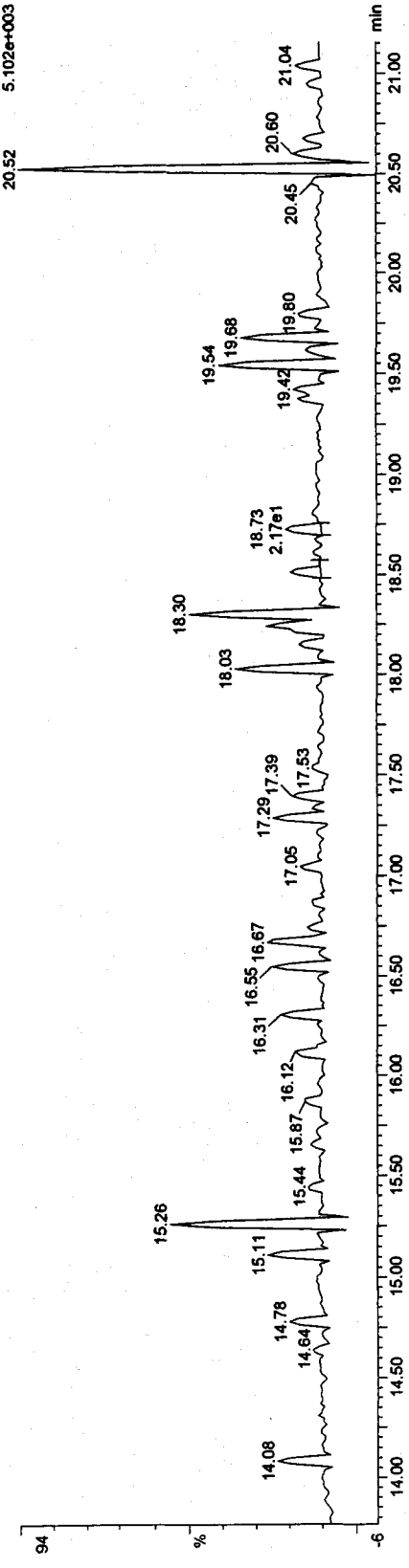
F1 PeCDFs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



F1 PeCDF PCDFE

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

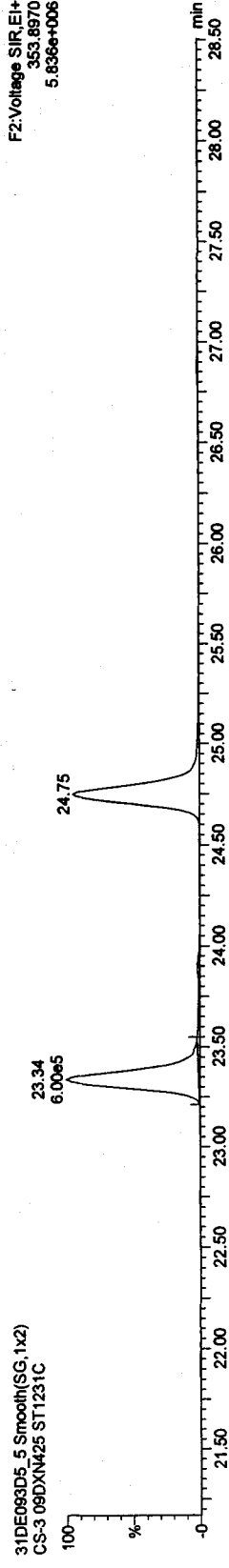
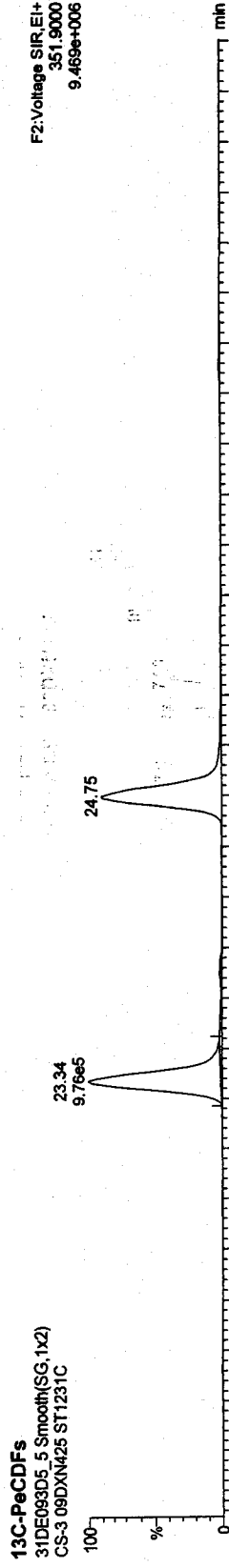
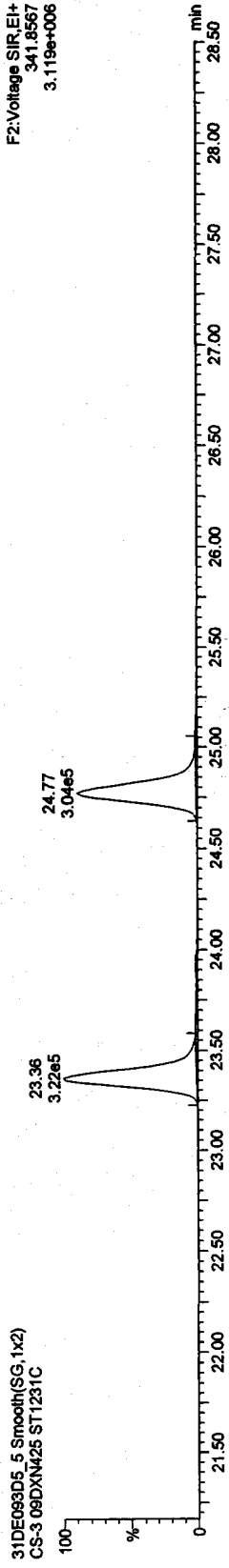
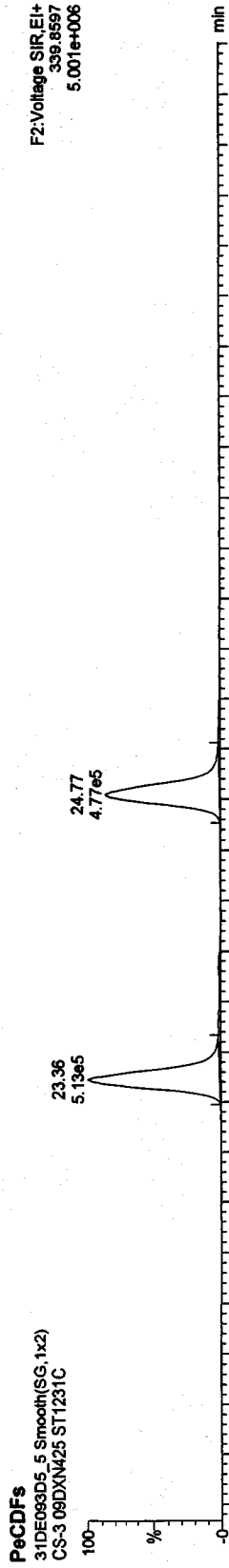


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

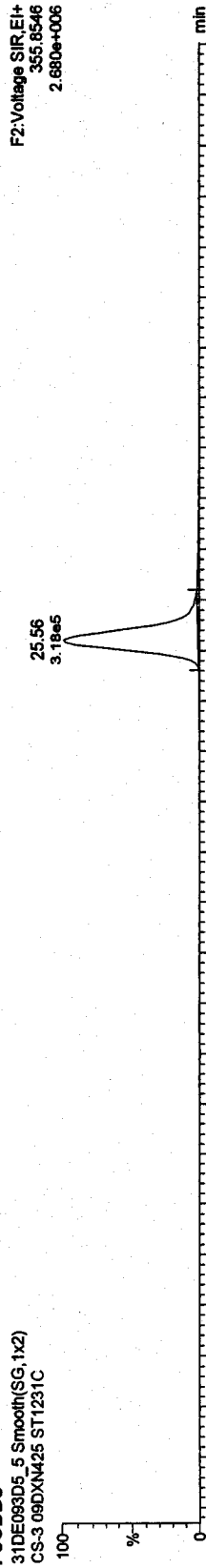
Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

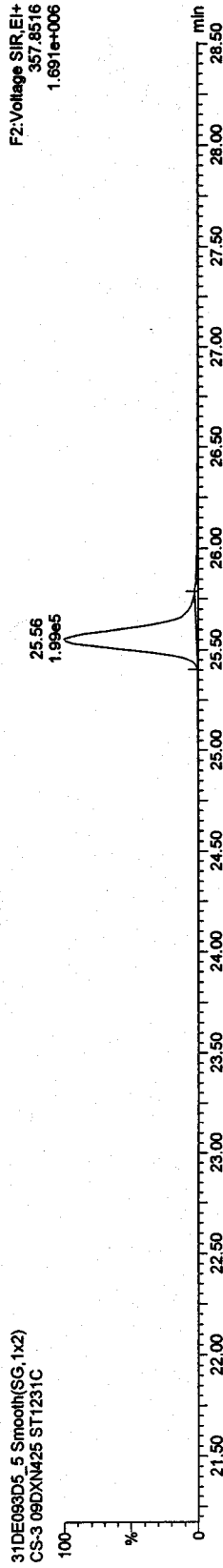
Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

PeCDDs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

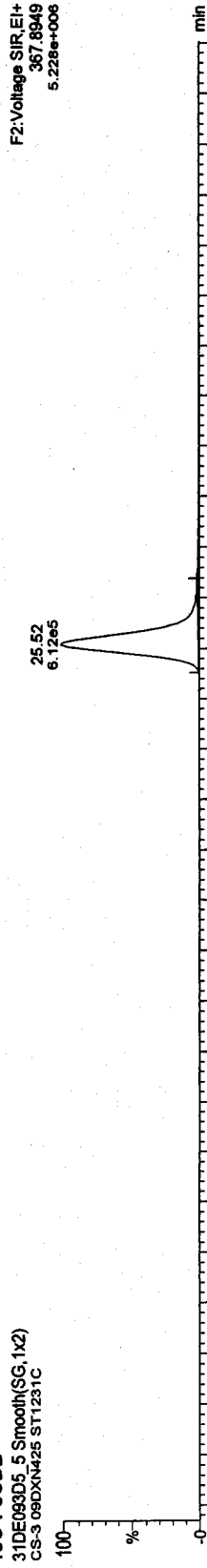


31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

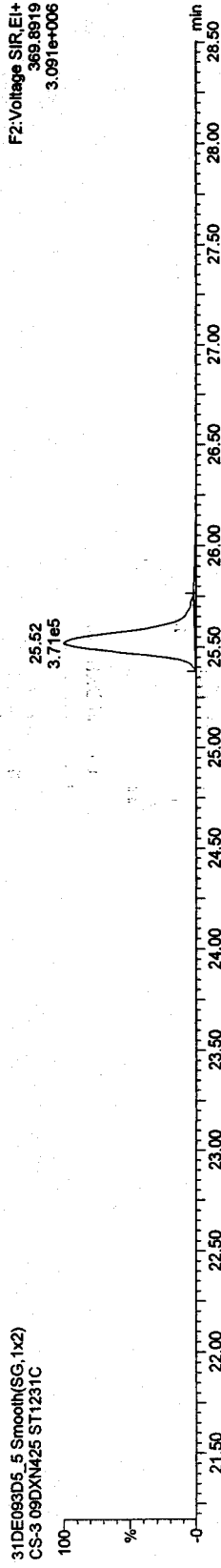


13C-PeCDD

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

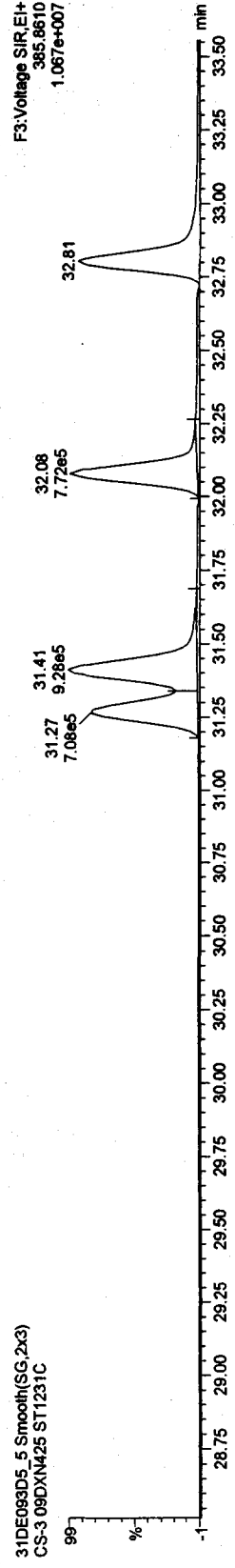
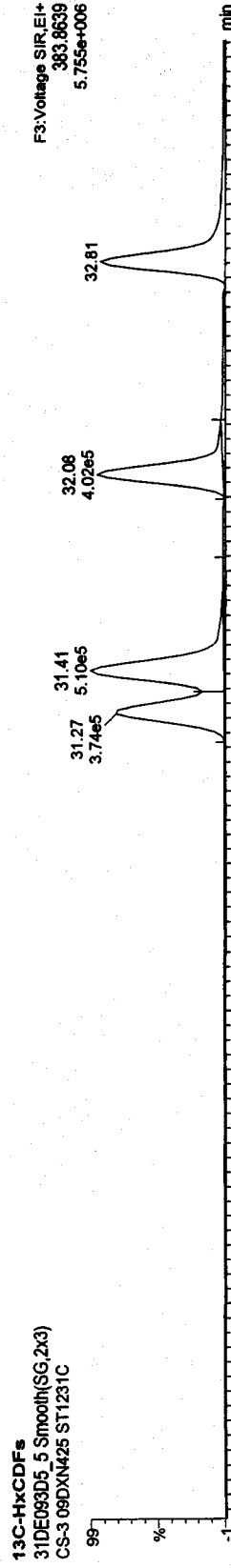
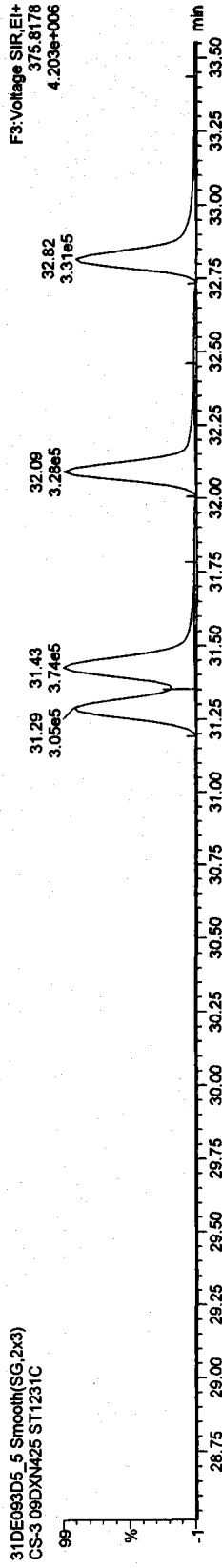
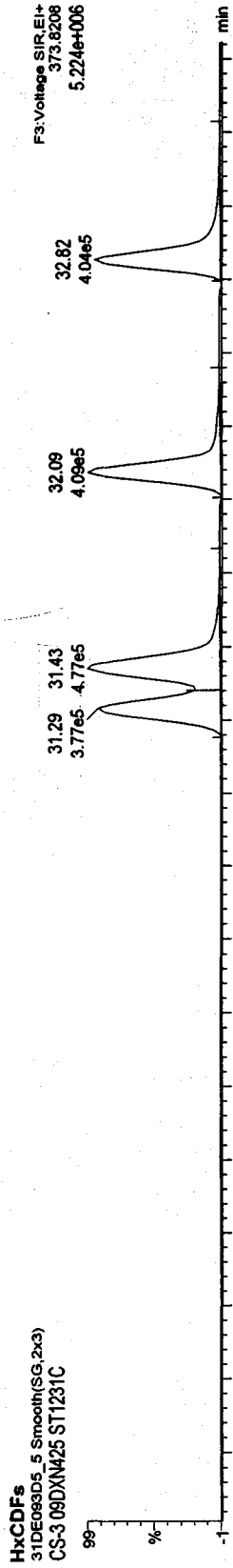


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

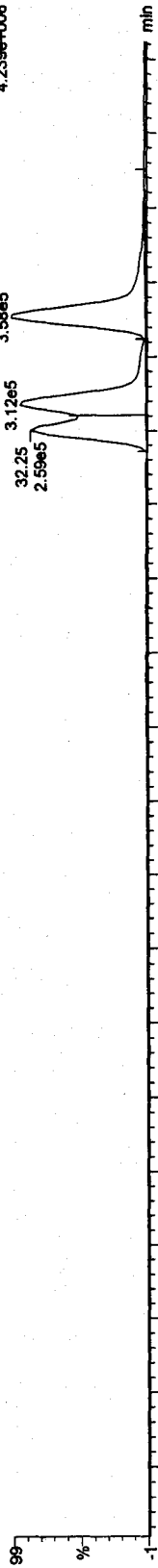
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

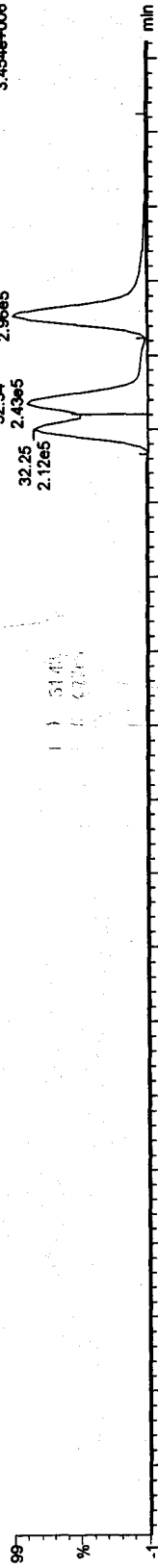
Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

HxCDDs

31DE093D5\_5 Smooth(SG,2x3)  
CS-3 09DXN425 ST1231C

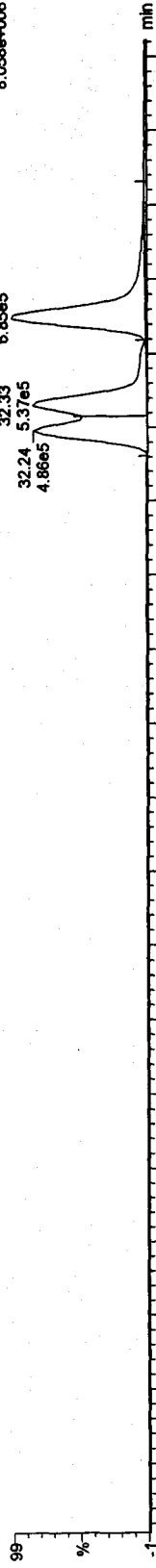


31DE093D5\_5 Smooth(SG,2x3)  
CS-3 09DXN425 ST1231C

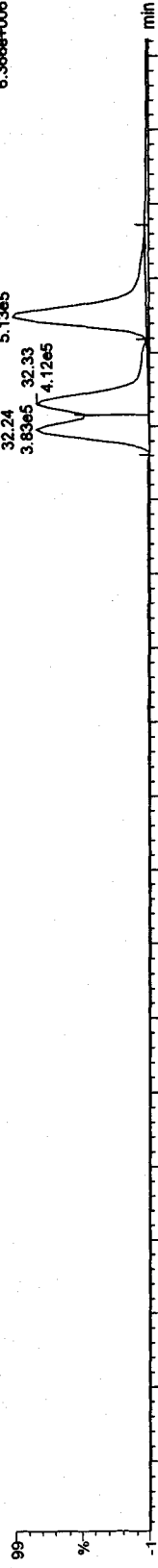


13C-HxCDDs

31DE093D5\_5 Smooth(SG,2x3)  
CS-3 09DXN425 ST1231C



31DE093D5\_5 Smooth(SG,2x3)  
CS-3 09DXN425 ST1231C



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

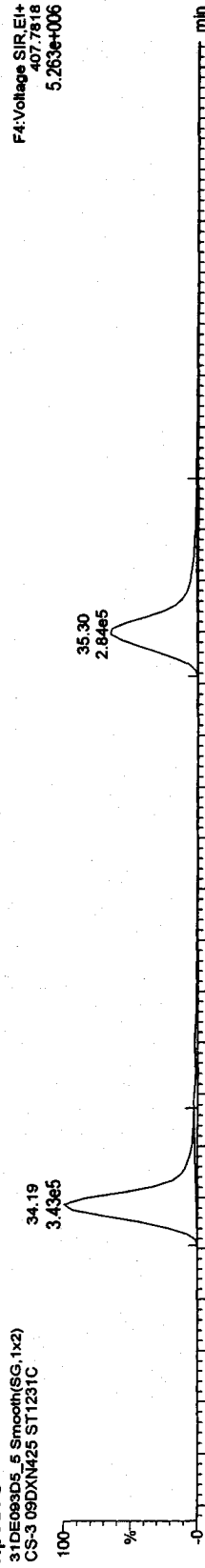
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

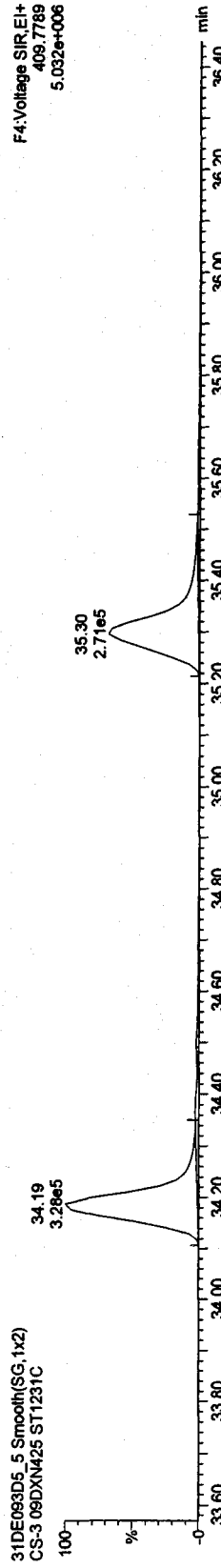
Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

HpCDFs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

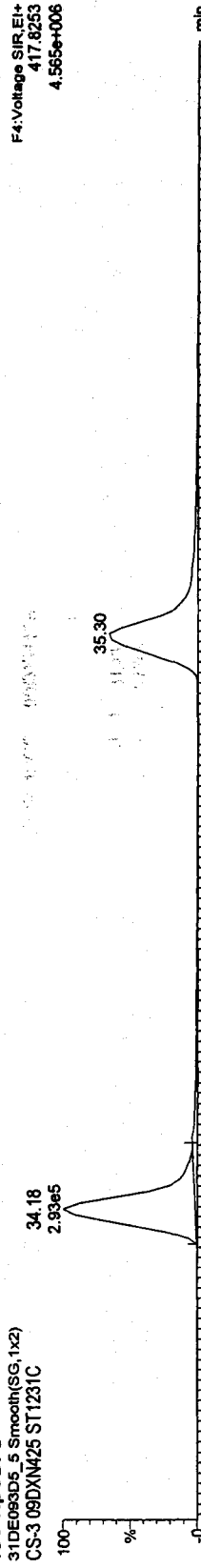


31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

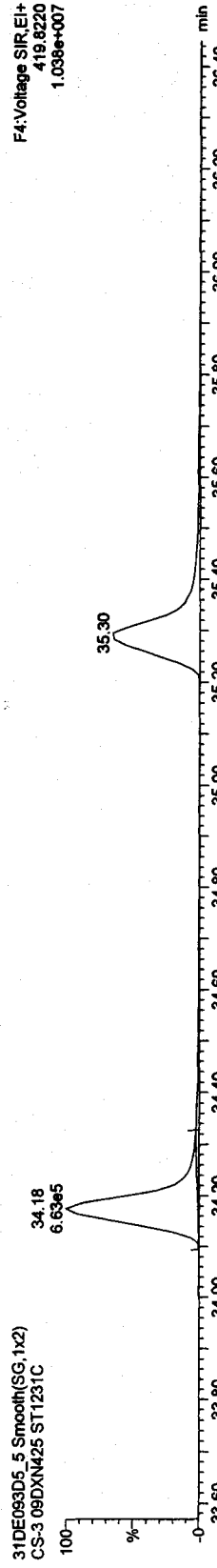


13C-HpCDFs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



Quantify Sample Report MassLynx 4.1

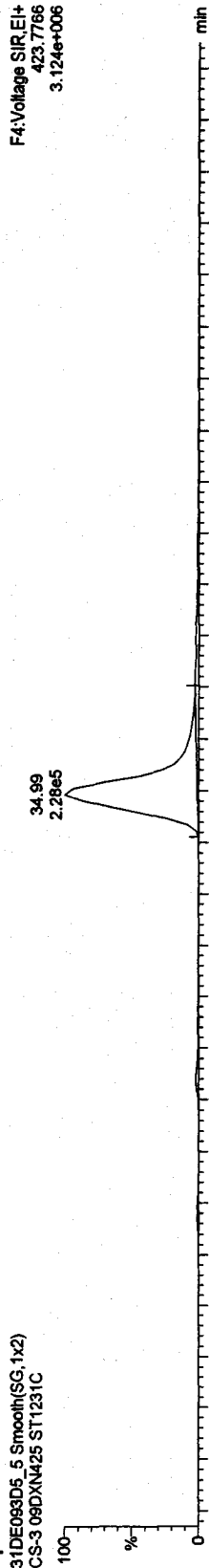
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

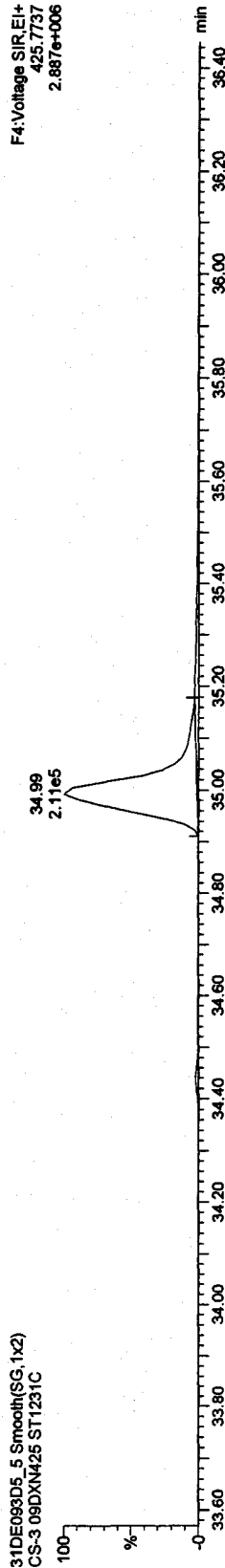
Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

HpCDDs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

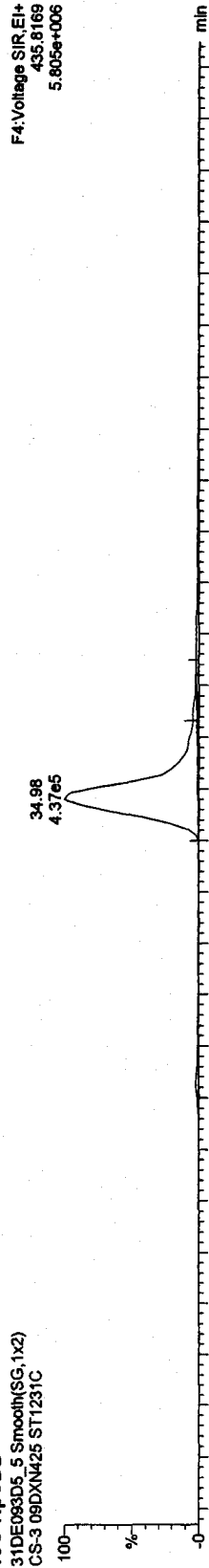


31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

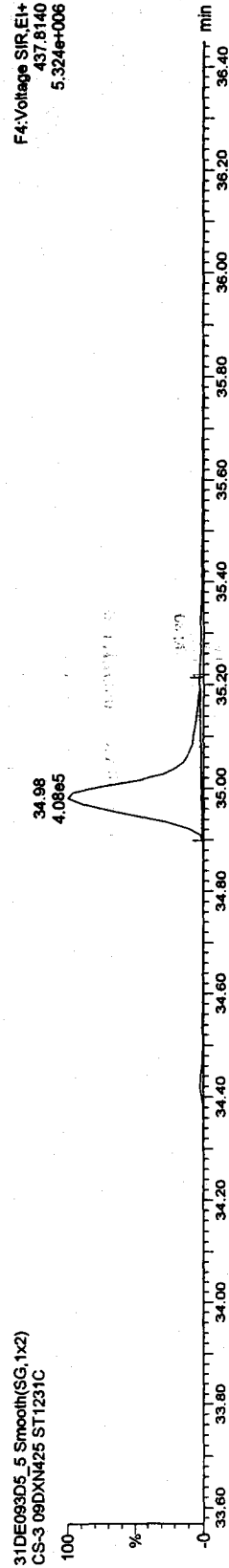


13C-HpCDD

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



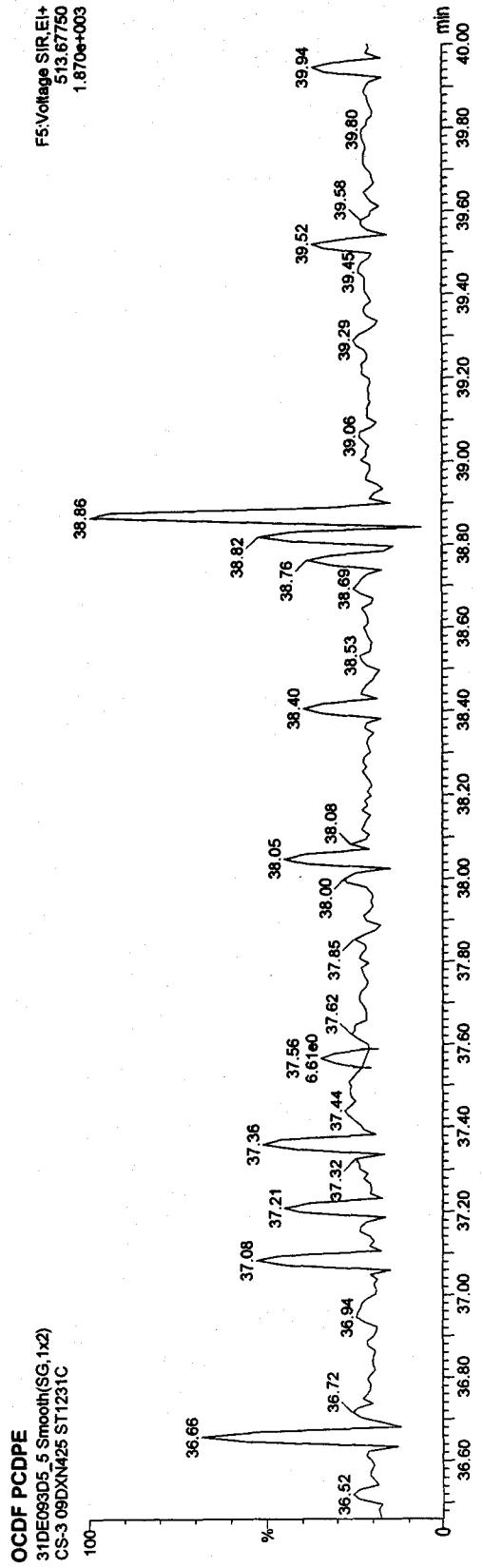
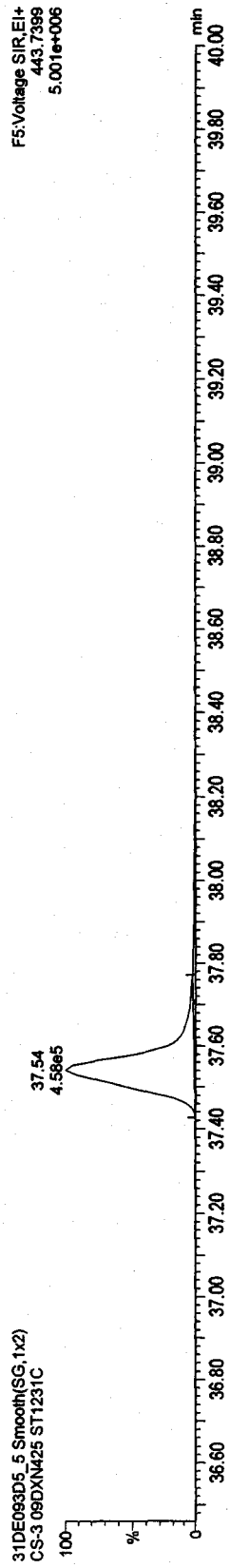
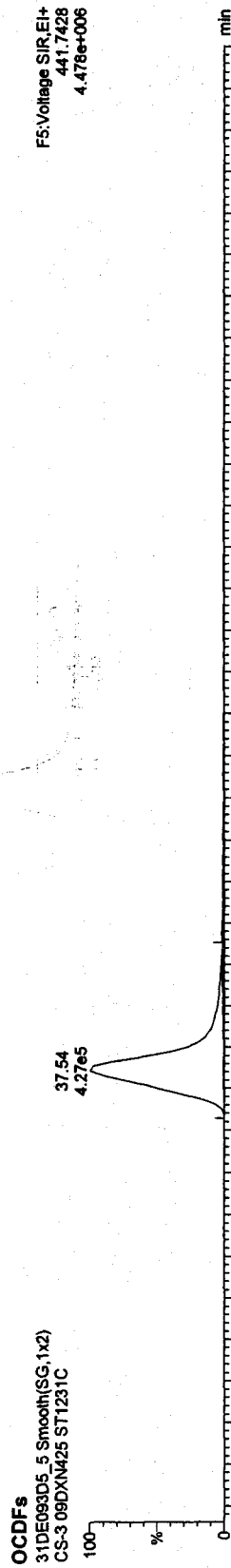


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

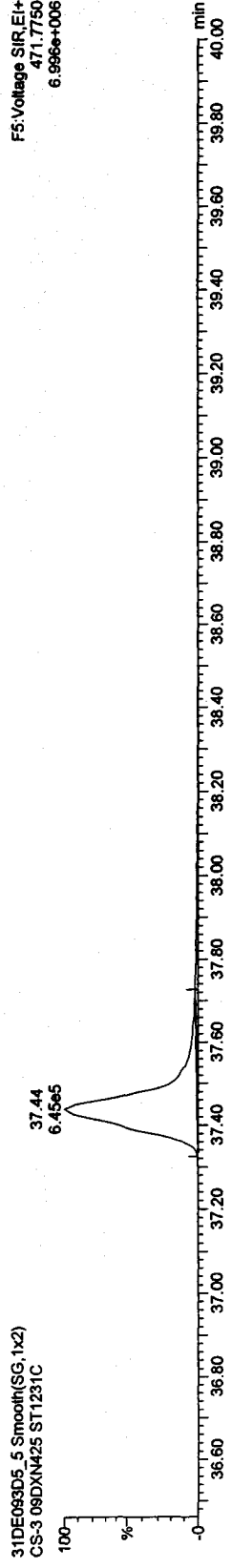
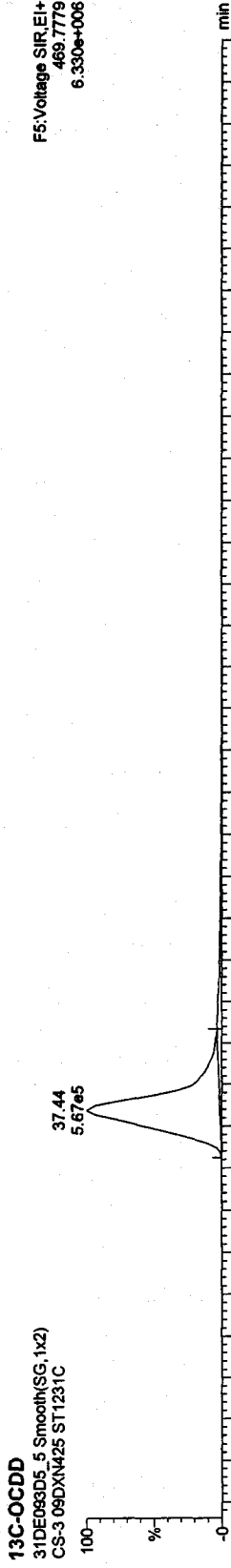
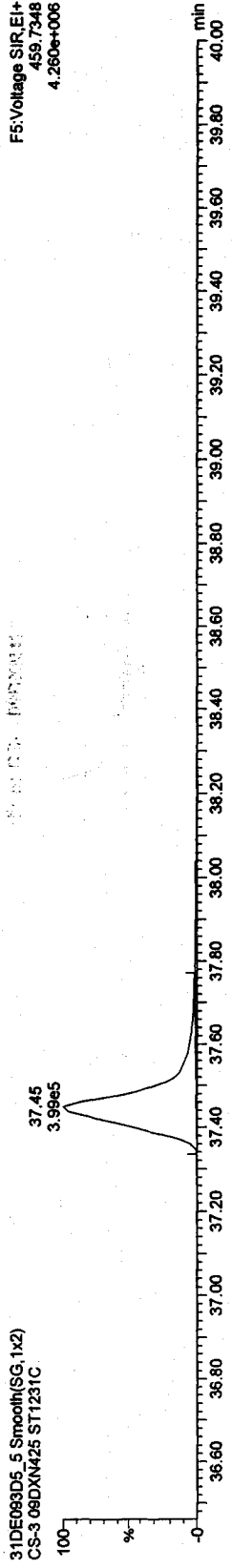
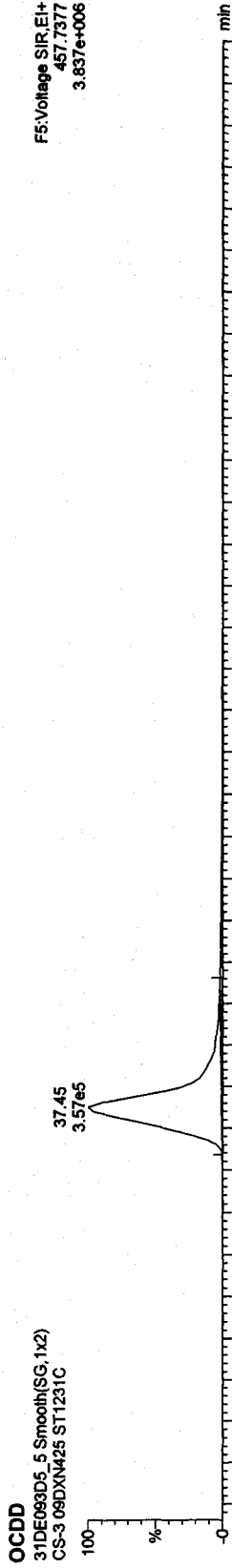


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

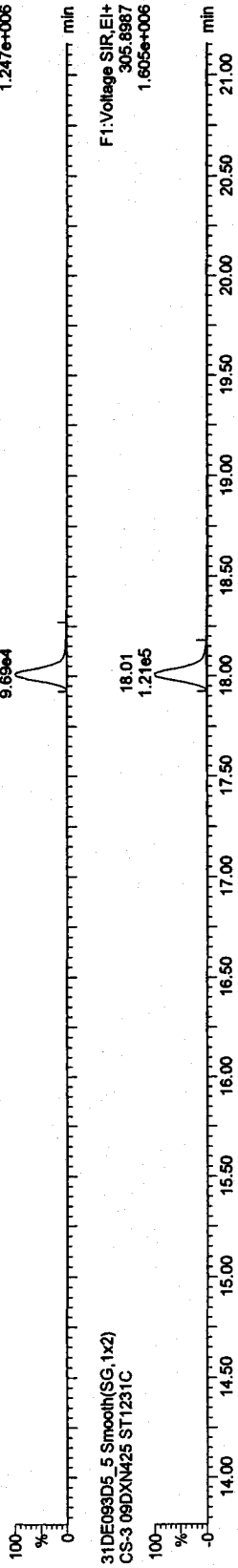
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

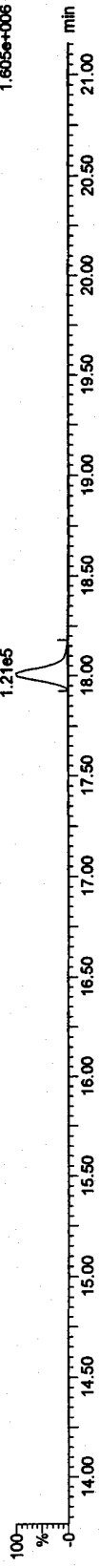
Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

TCDFs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

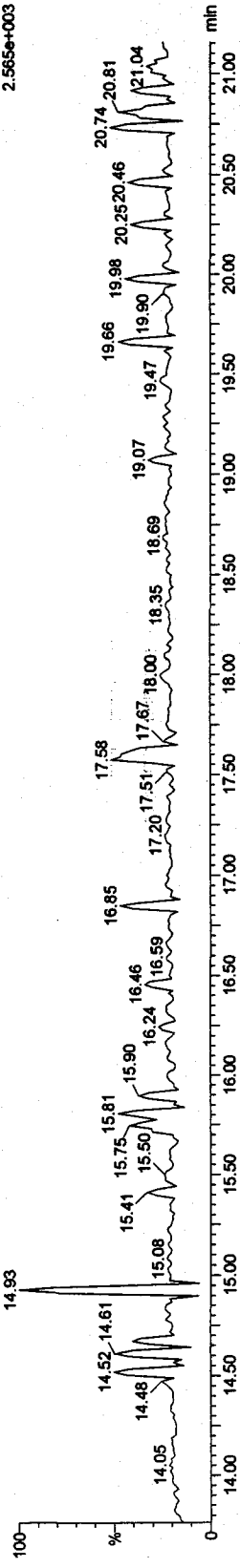


31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



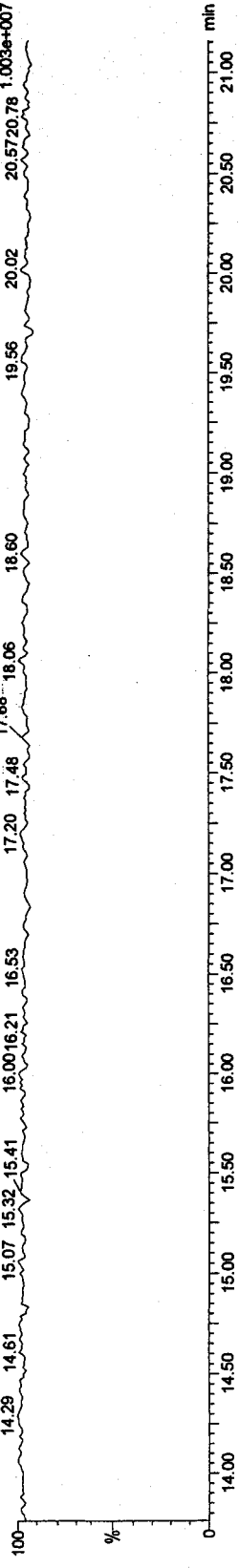
TCDF PCDFE

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



Function 1 PFK

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

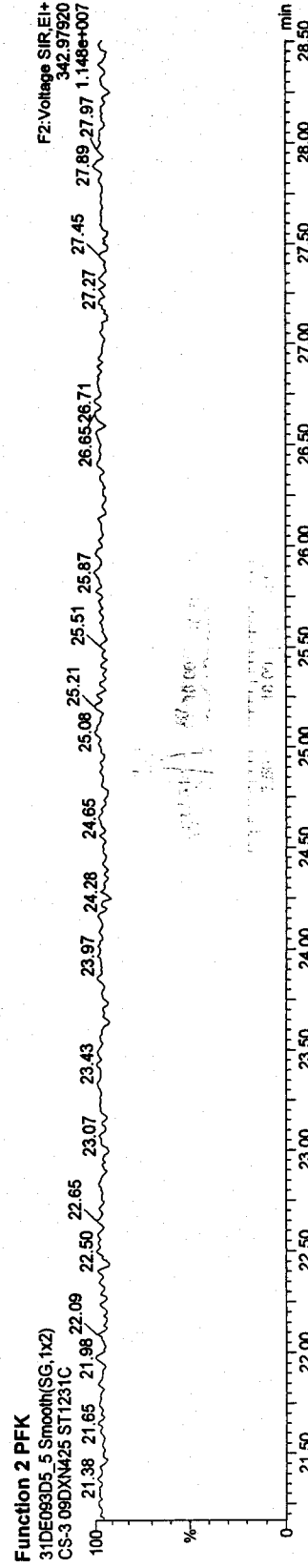
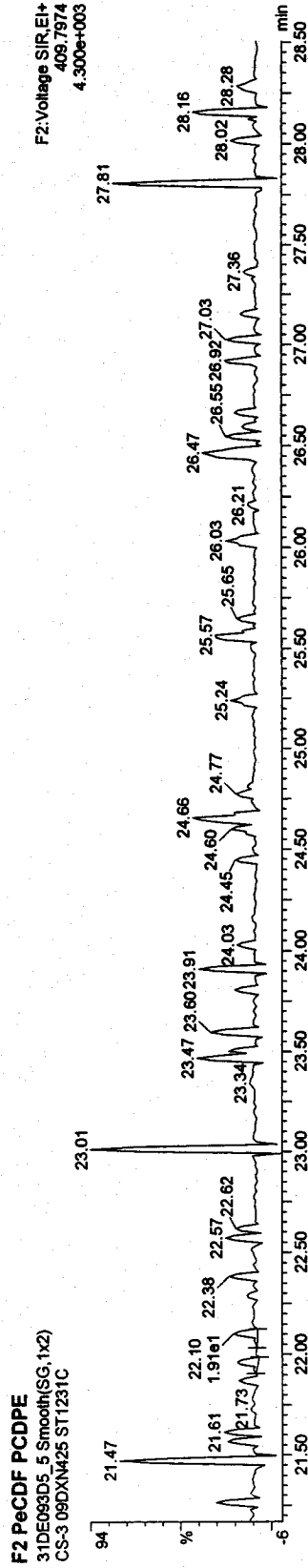
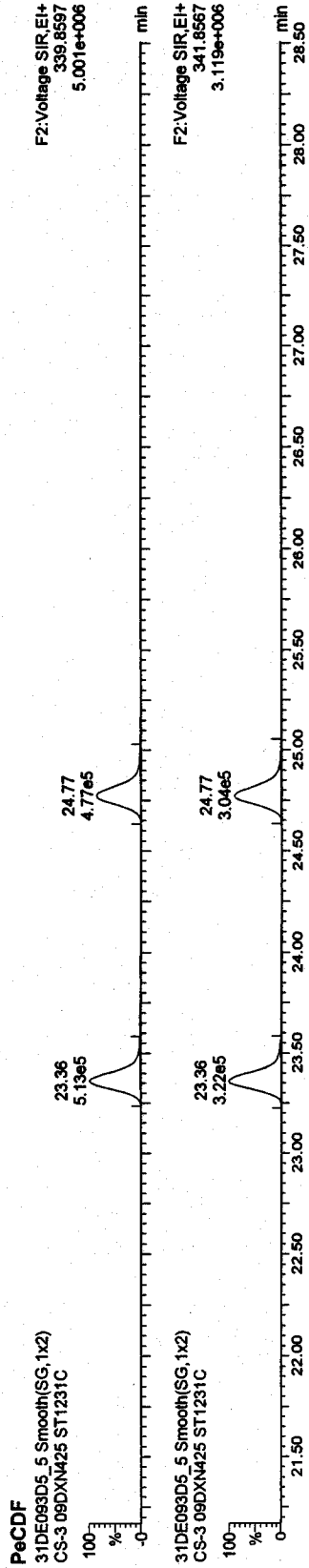


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425



Quantify Sample Report MassLynx 4.1

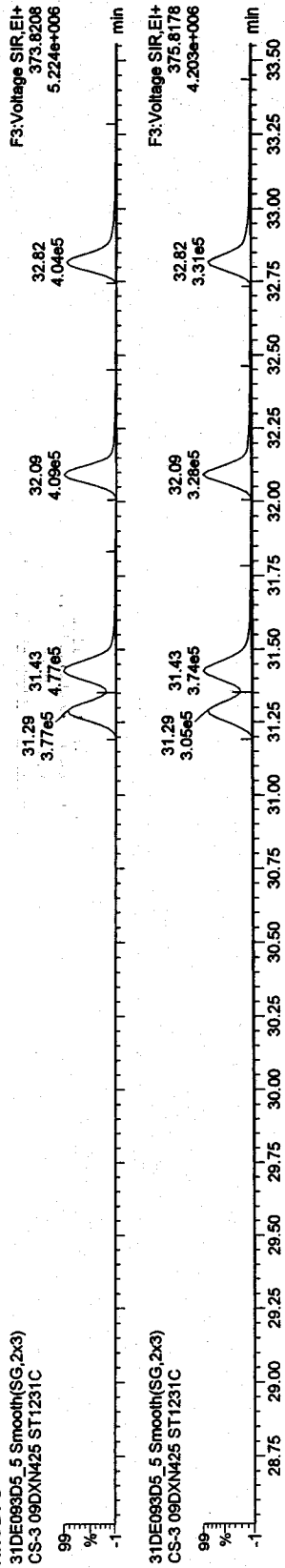
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

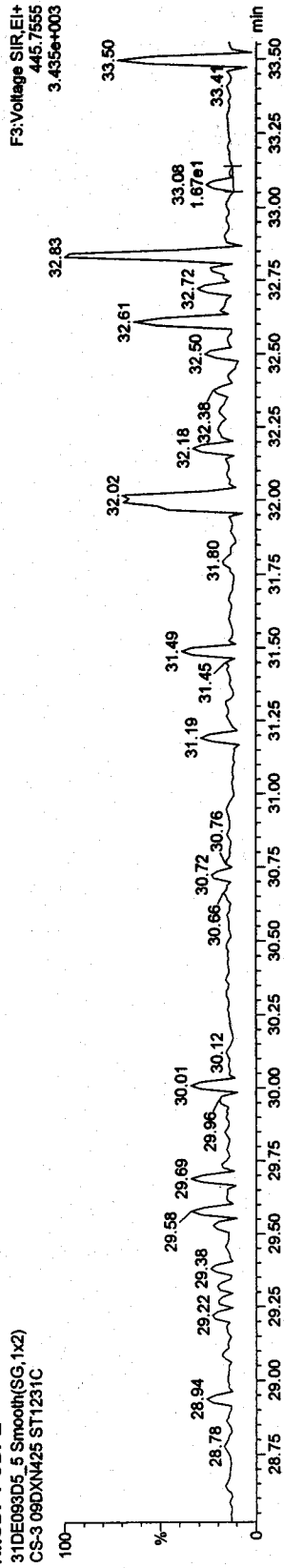
HxCDFs

31DE093D5\_5 Smooth(SG,2x3)  
CS-3 09DXN425 ST1231C



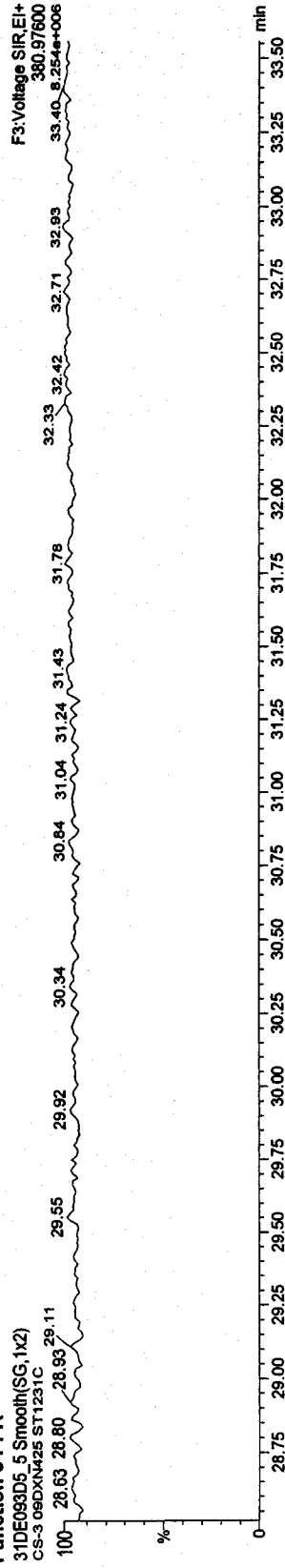
HxCDF PCDPE

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



Function 3 PFK

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



Quantify Sample Report MassLynx 4.1

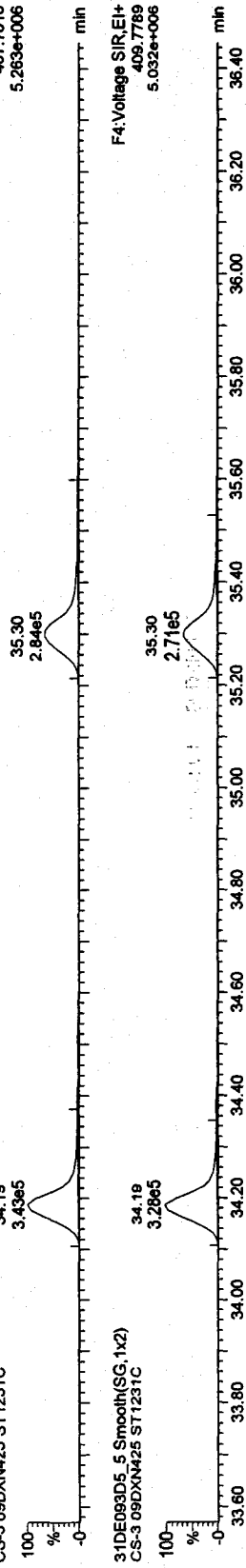
Dataset: C:\MassLynx\Default\pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

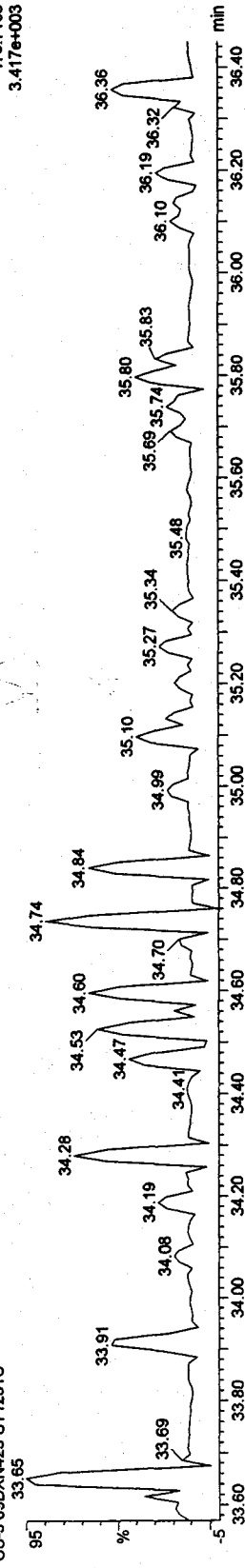
HpCDFs

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



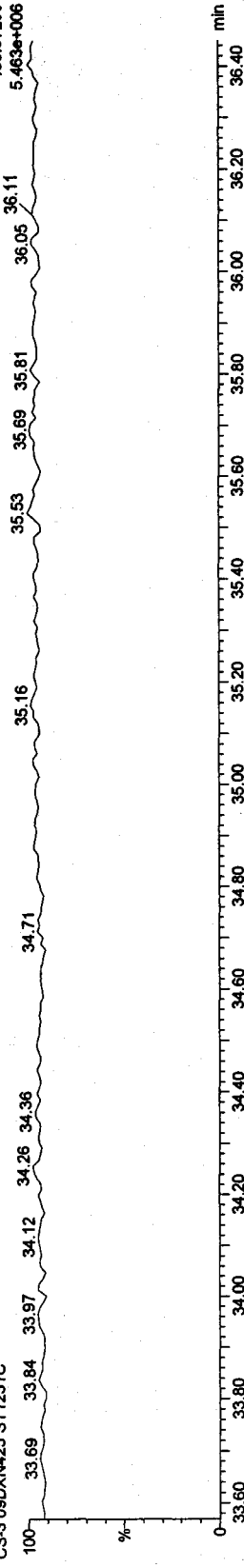
HpCDF PCDPE

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



Function 4 PFK

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

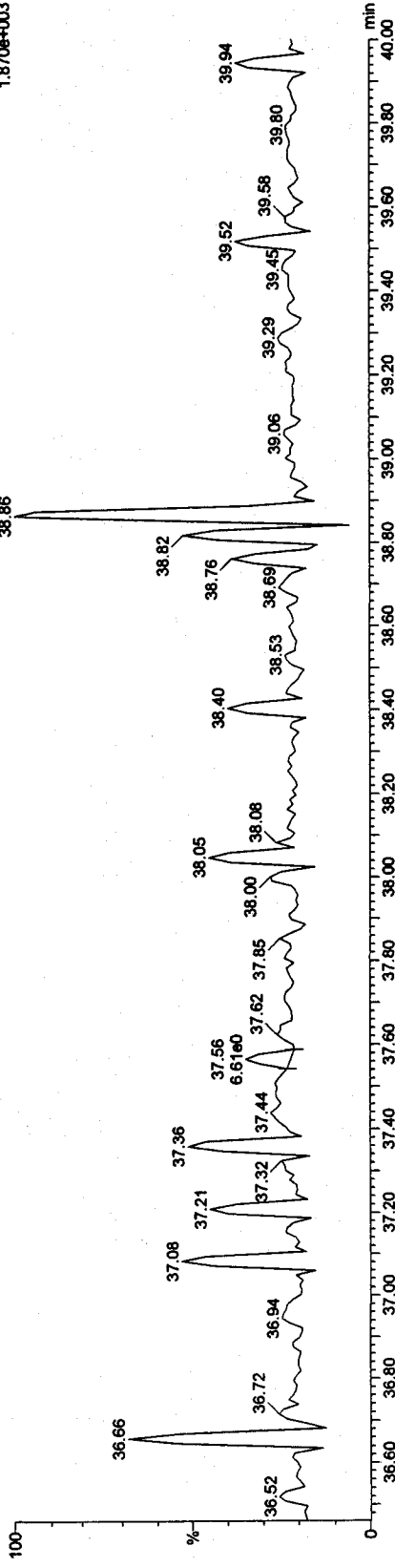
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_5, Date: 31-Dec-2009, Time: 10:45:57, ID: ST1231C, Description: CS-3 09DXN425

OCDF PCDPE

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

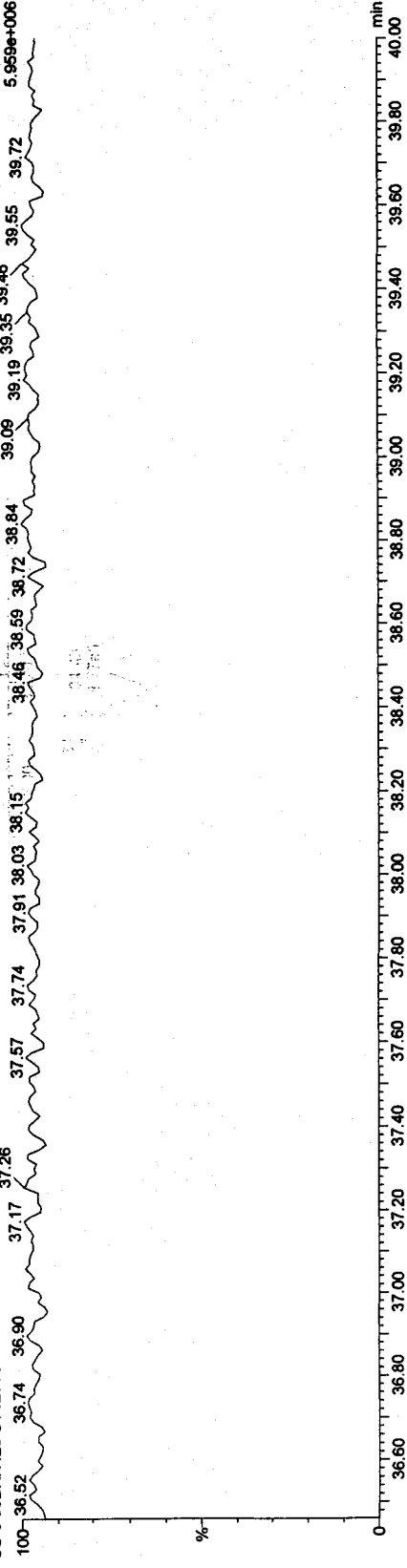
F5:Voltage SIR.EI+  
513.67750  
1.870e+003



Function 5 PFK

31DE093D5\_5 Smooth(SG,1x2)  
CS-3 09DXN425 ST1231C

F5:Voltage SIR.EI+  
442.97280  
5.959e+006



Quantify Sample Report MassLynx 4.1

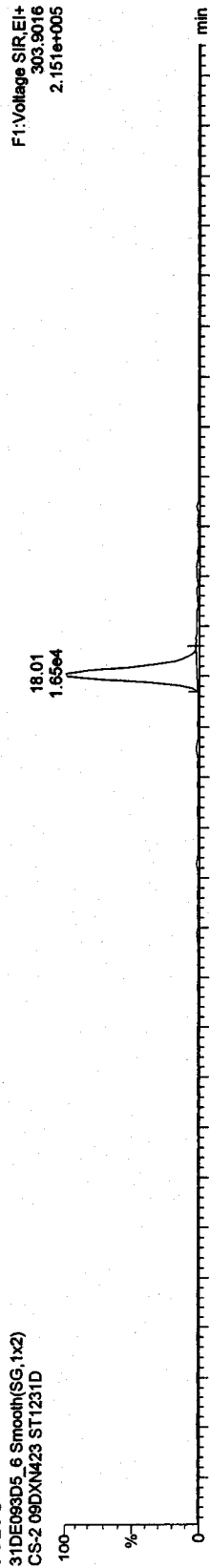
Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

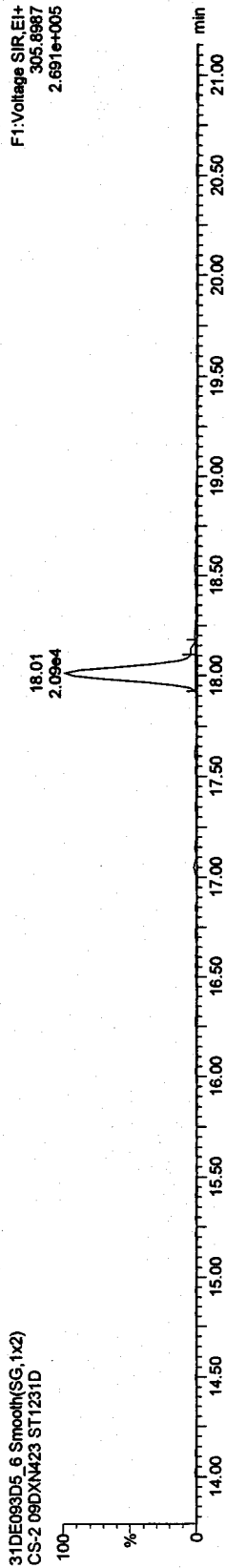
Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

TCDFs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

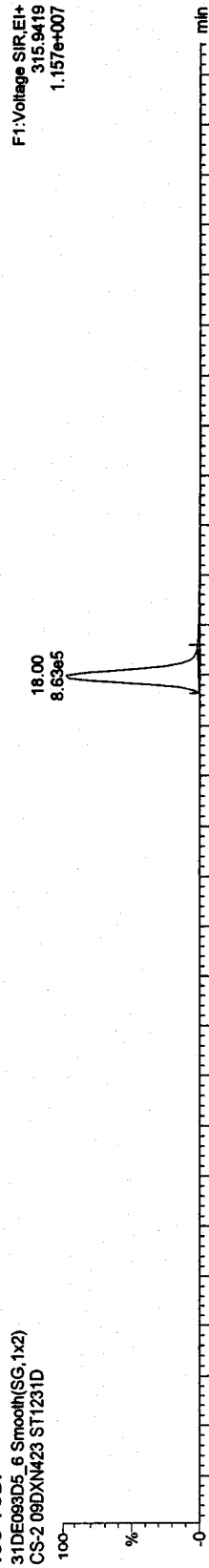


31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

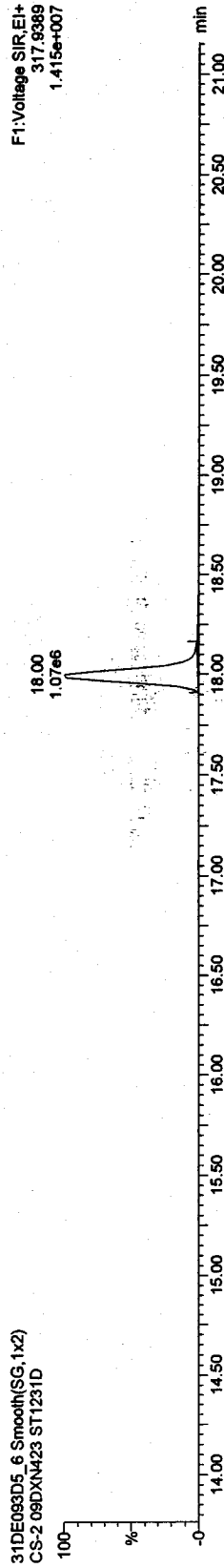


13C-TCDF

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



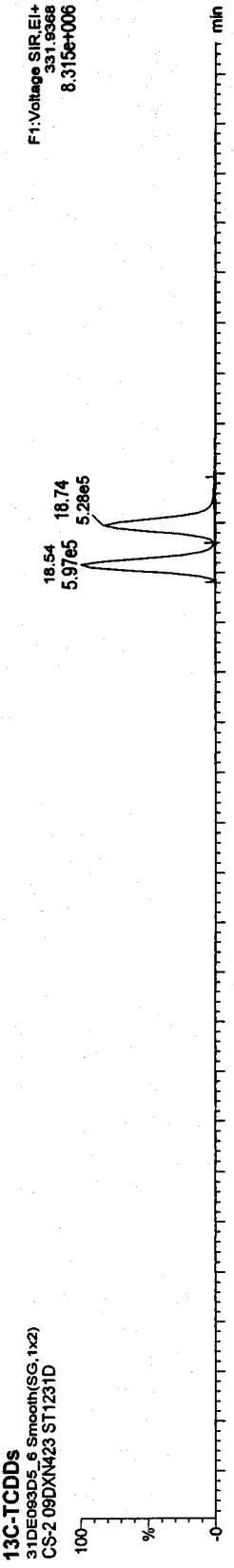
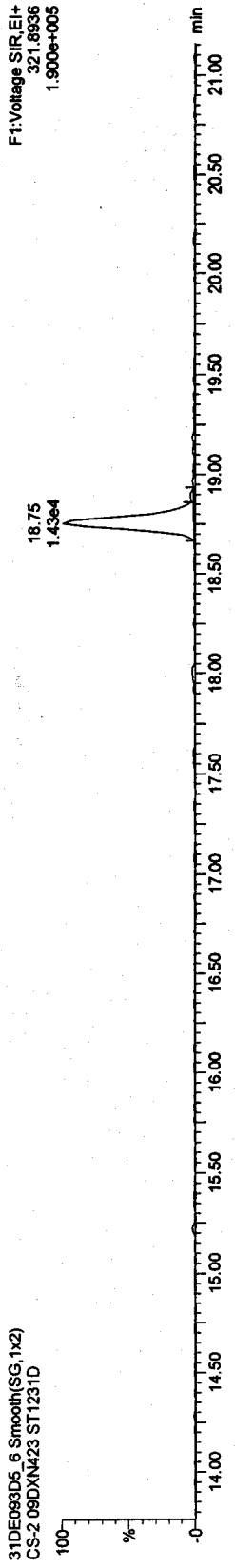
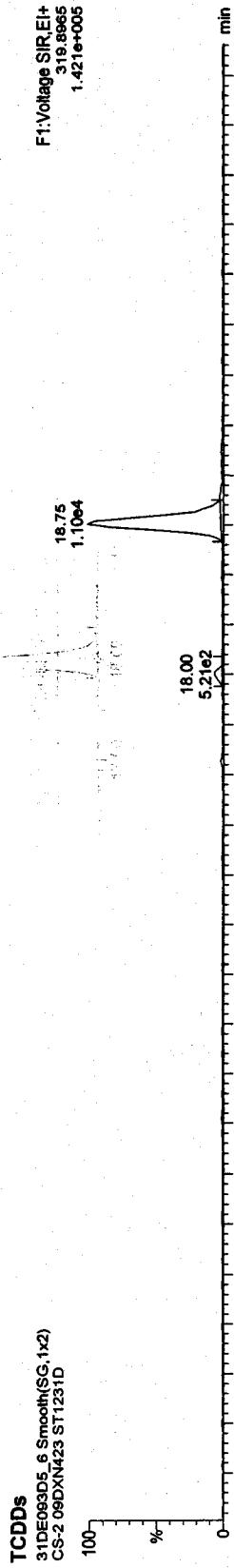


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

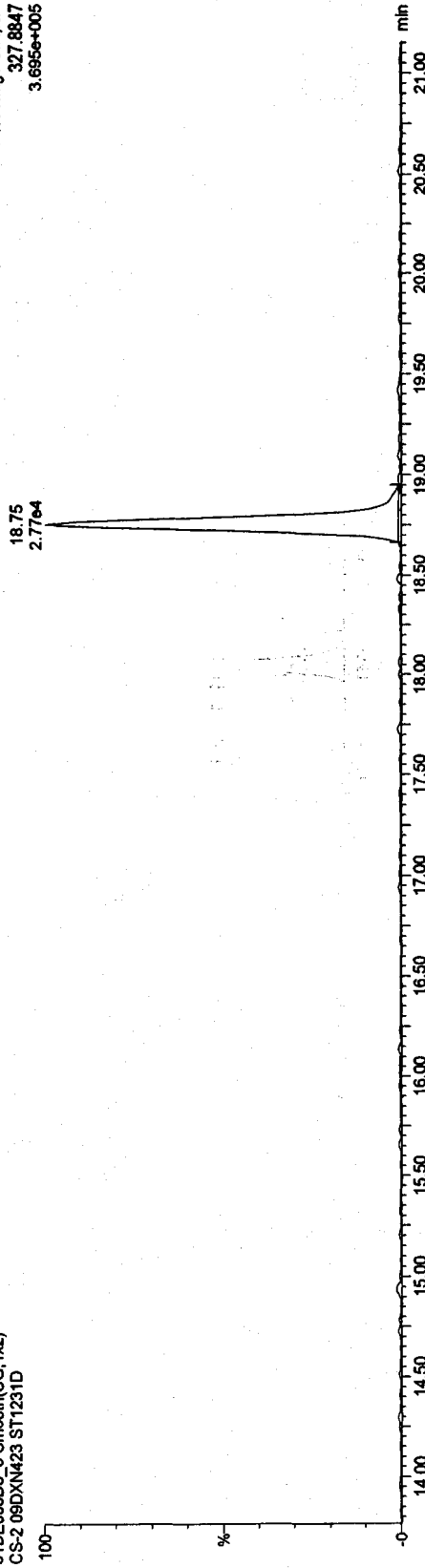
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

37CL-2,3,7,8-TCDD

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

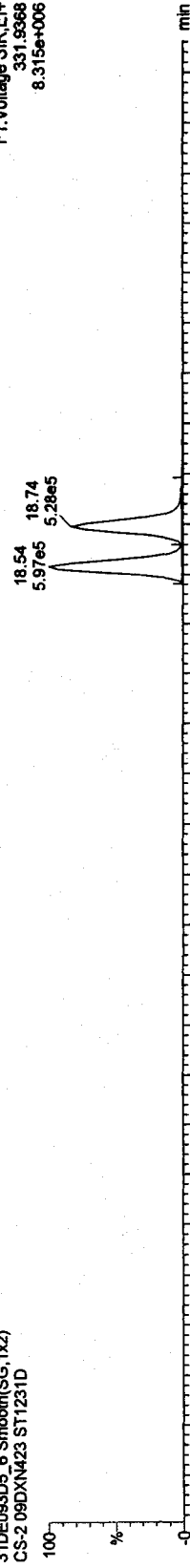
F1: Voltage SIR.EI+  
327.8847  
3.695e+005



13C-TCDDs

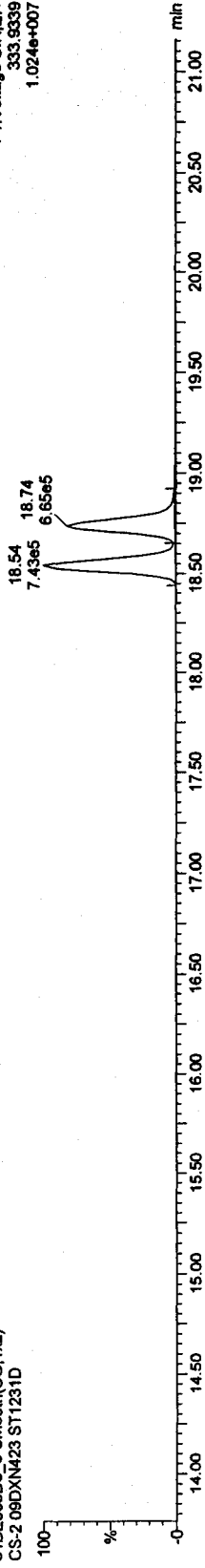
31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

F1: Voltage SIR.EI+  
331.9368  
8.315e+006



31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

F1: Voltage SIR.EI+  
333.9339  
1.024e+007



Quantify Sample Report MassLynx 4.1

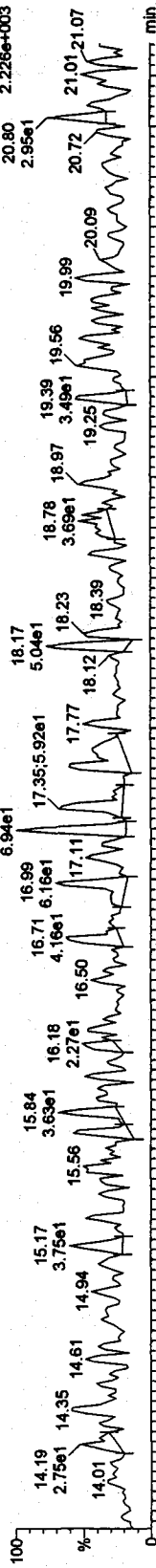
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
 Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

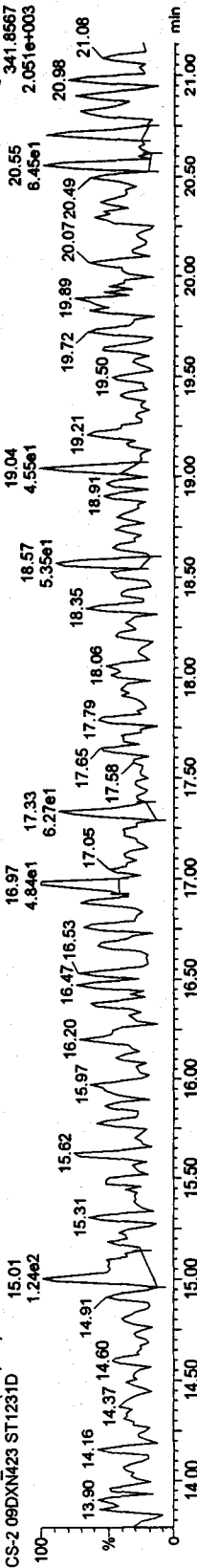
Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

F1 PeCDFs

31DE093D5\_6 Smooth(SG,1x2)  
 CS-2 09DXN423 ST1231D

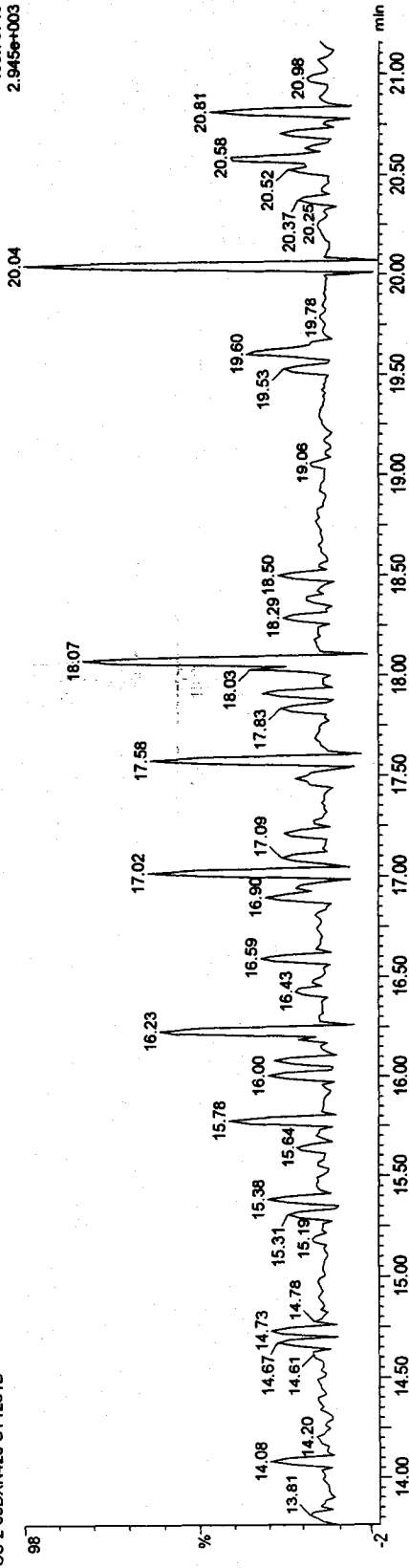


31DE093D5\_6 Smooth(SG,1x2)  
 CS-2 09DXN423 ST1231D



F1 PeCDF PCDPE

31DE093D5\_6 Smooth(SG,1x2)  
 CS-2 09DXN423 ST1231D



Quantify Sample Report MassLynx 4.1

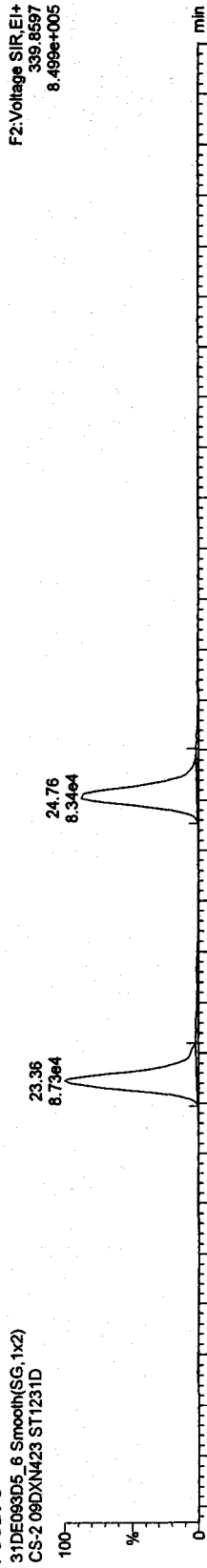
Dataset: C:\MassLynx\Default.prol\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

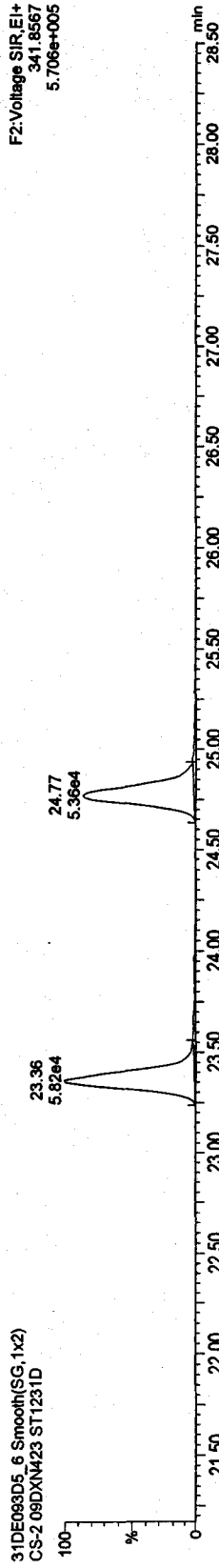
Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

PeCDFs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

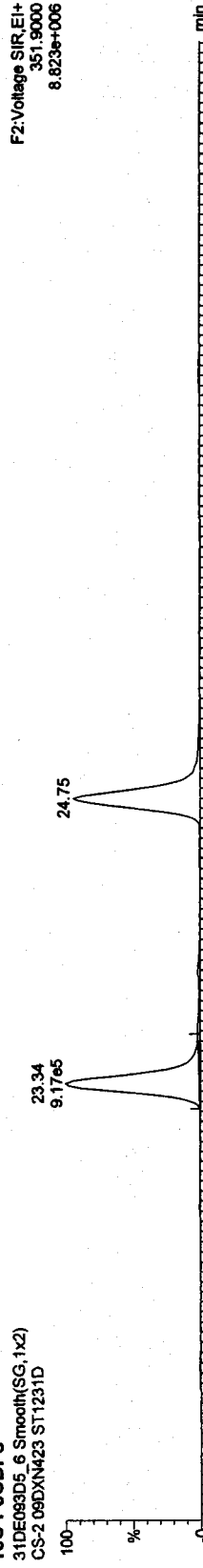


31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

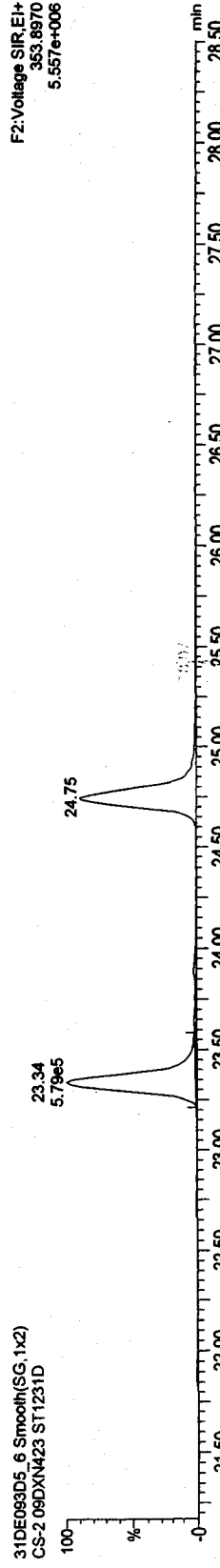


13C-PeCDFs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



Quantify Sample Report MassLynx 4.1

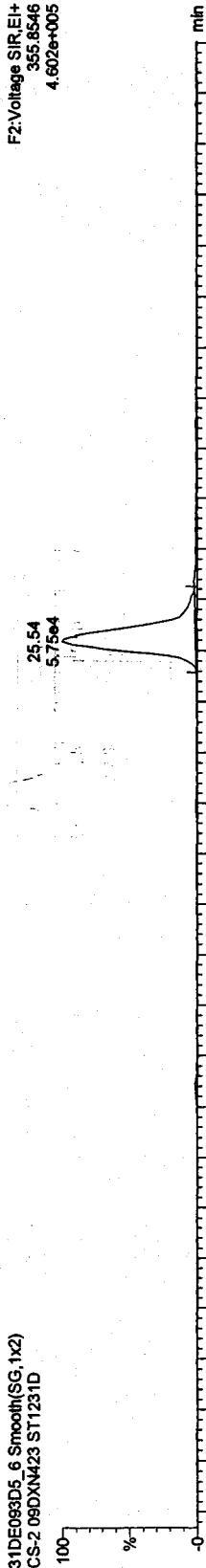
Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

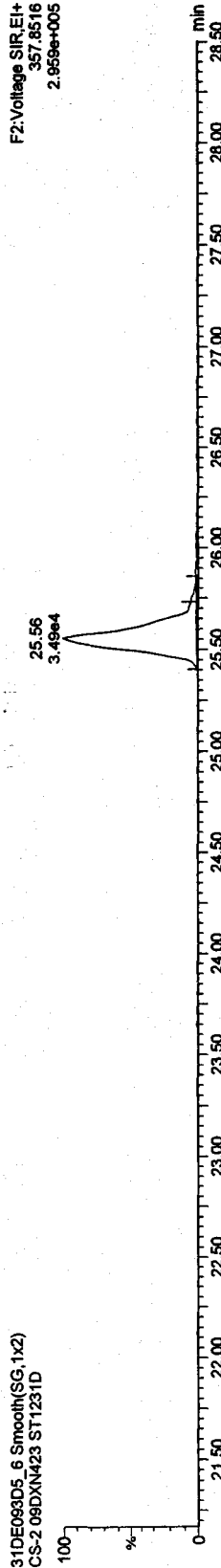
Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

PeCDDs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

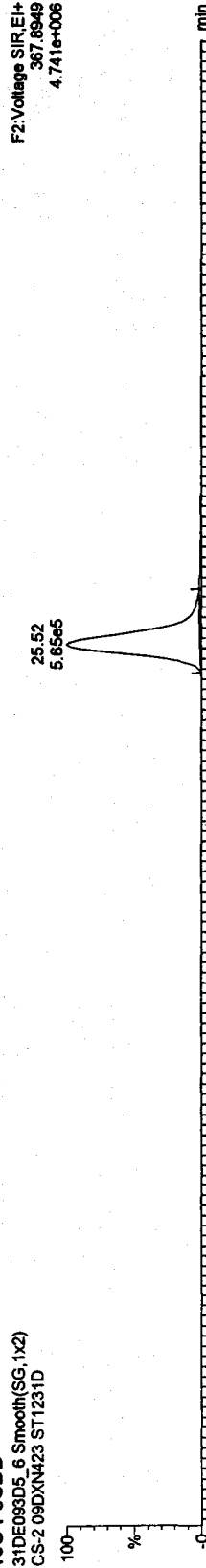


31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

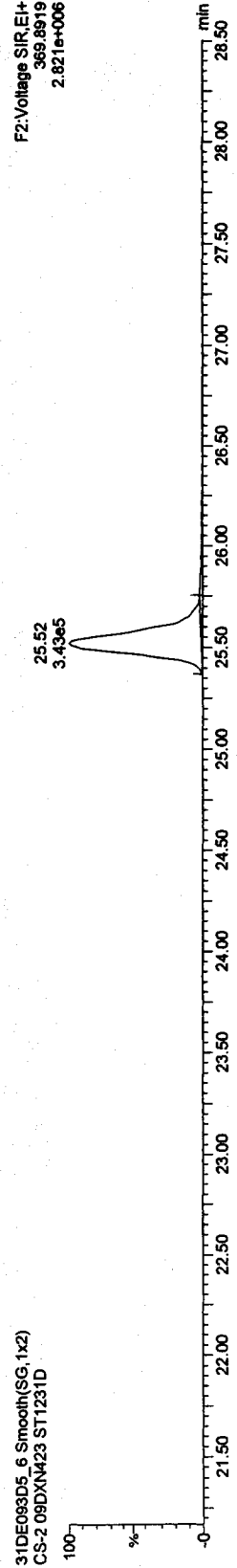


13C-PeCDD

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

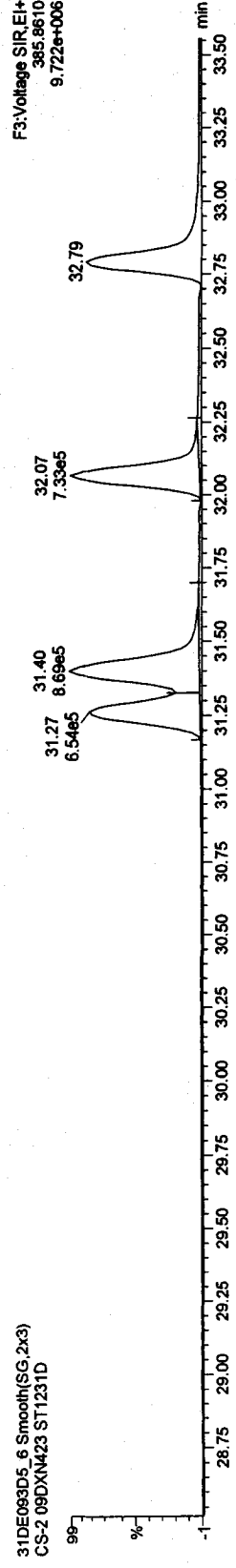
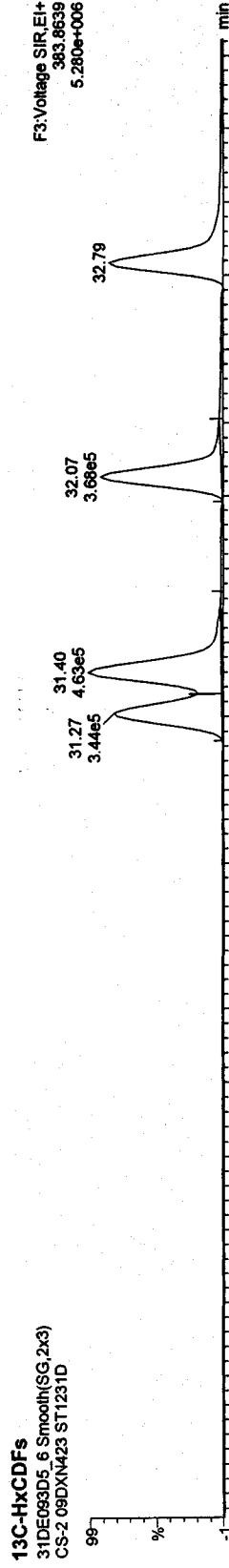
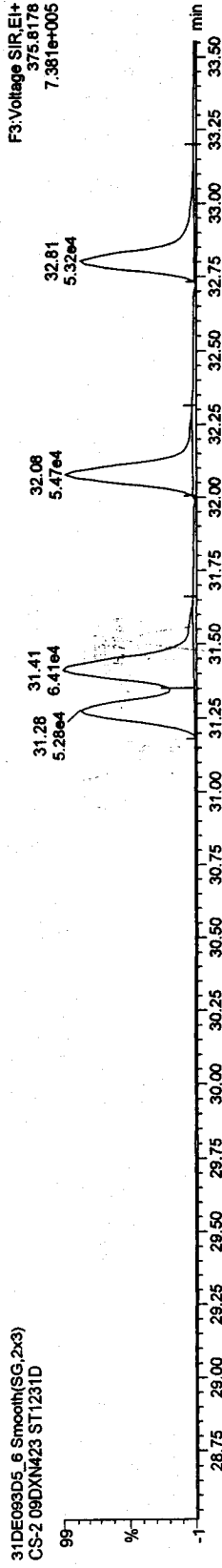
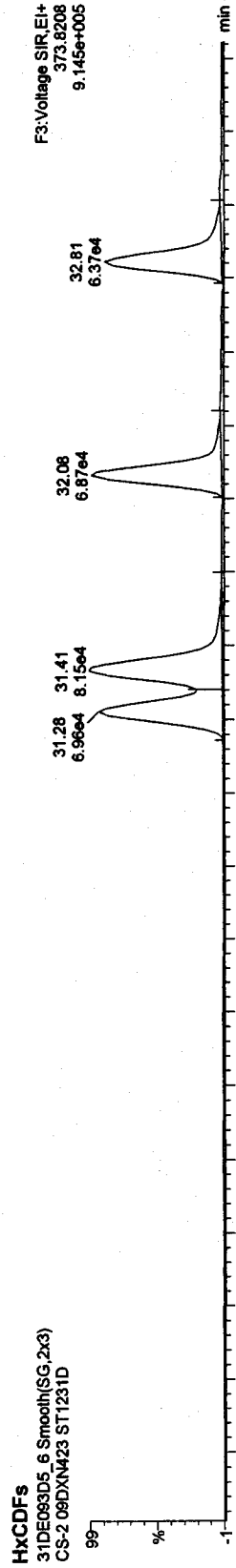


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423



Quantify Sample Report MassLynx 4.1

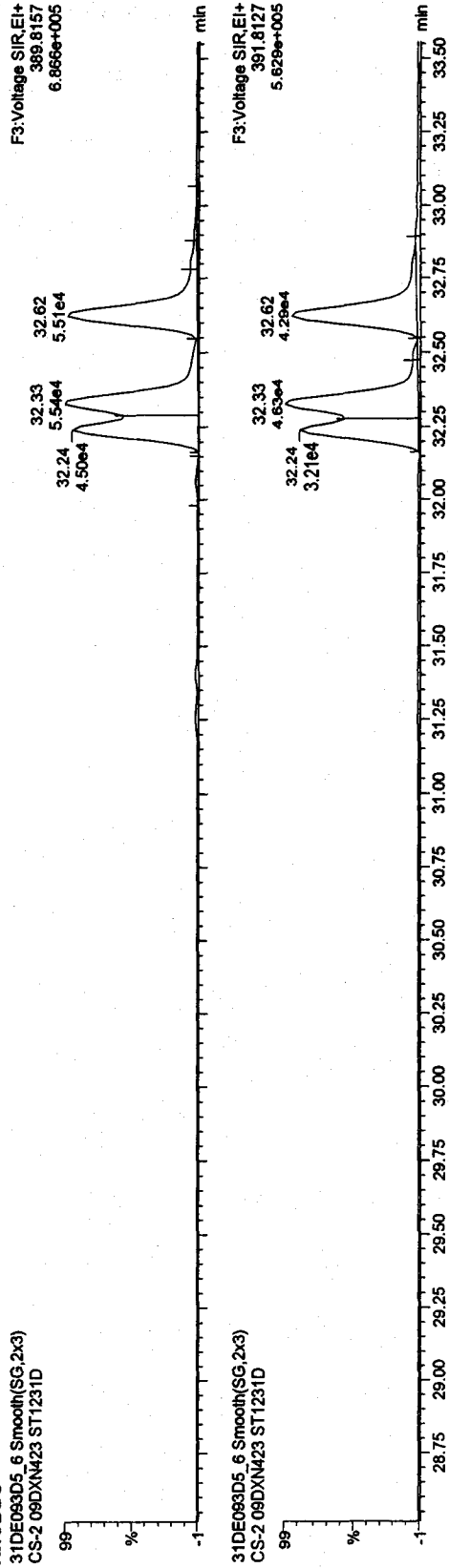
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

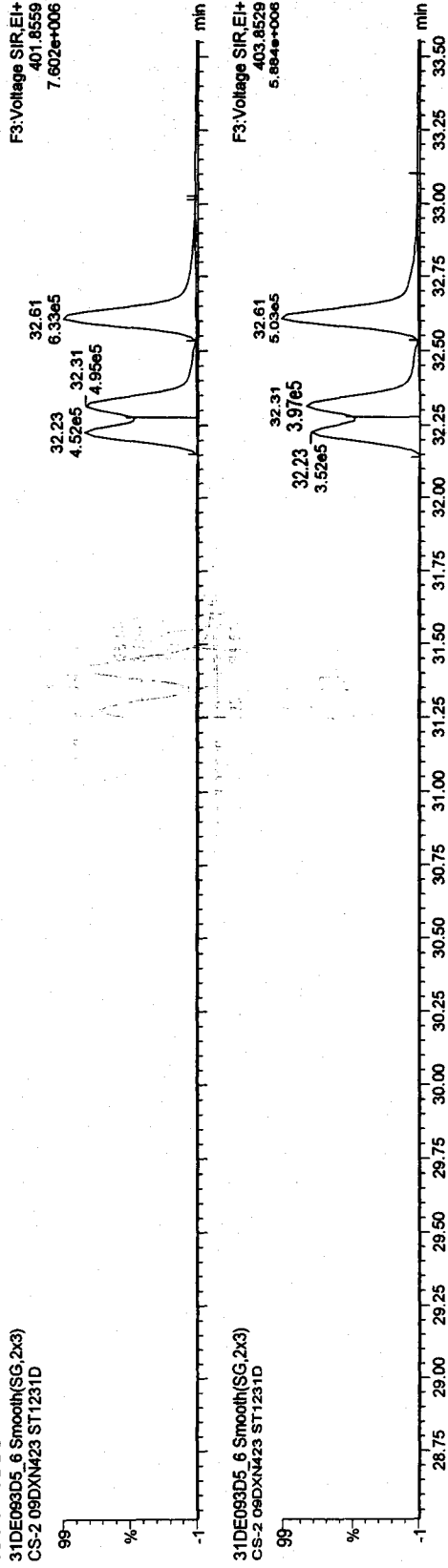
HxCDDs

31DE093D5\_6 Smooth(SG,2x3)  
CS-2 09DXN423 ST1231D



13C-HxCDDs

31DE093D5\_6 Smooth(SG,2x3)  
CS-2 09DXN423 ST1231D



Quantify Sample Report MassLynx 4.1

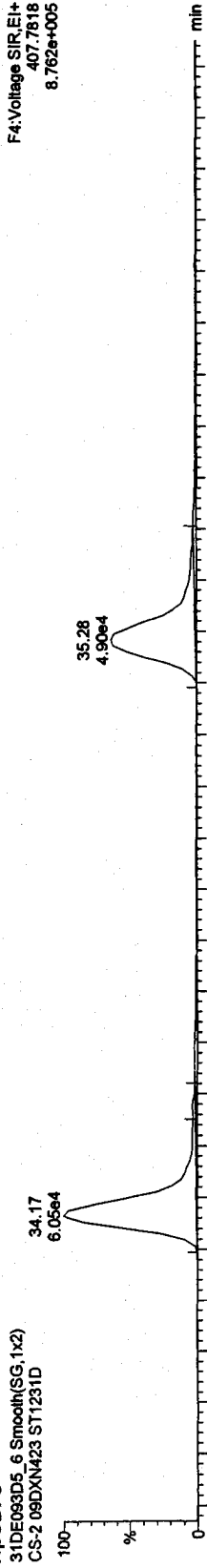
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

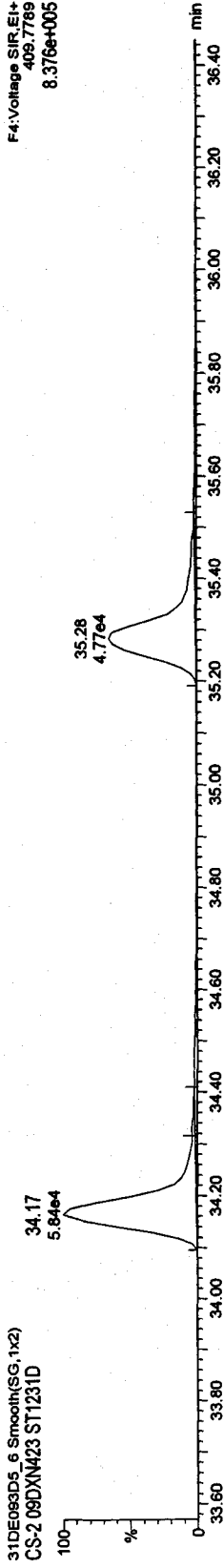
Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

HpCDFs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

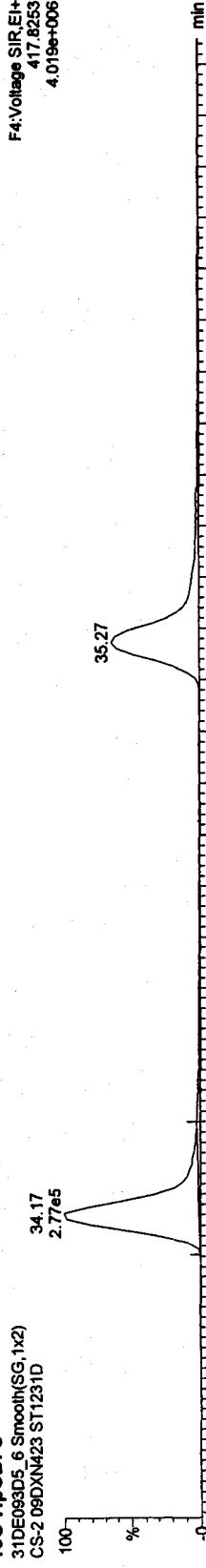


31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

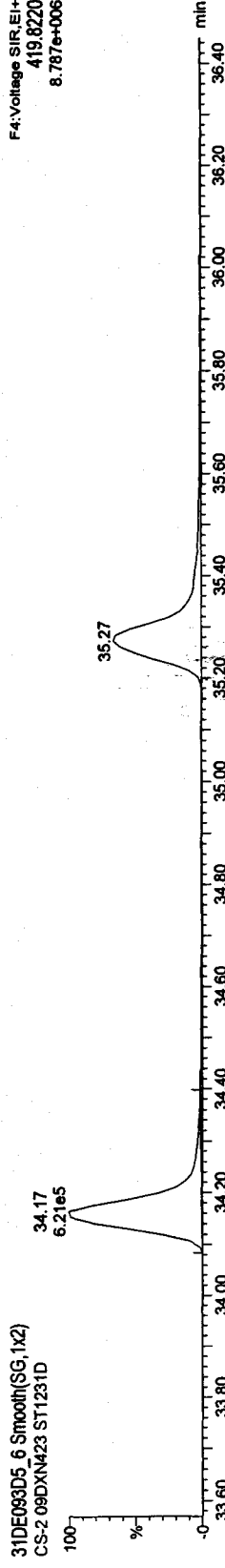


13C-HpCDFs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D





Quantify Sample Report      MassLynx 4.1

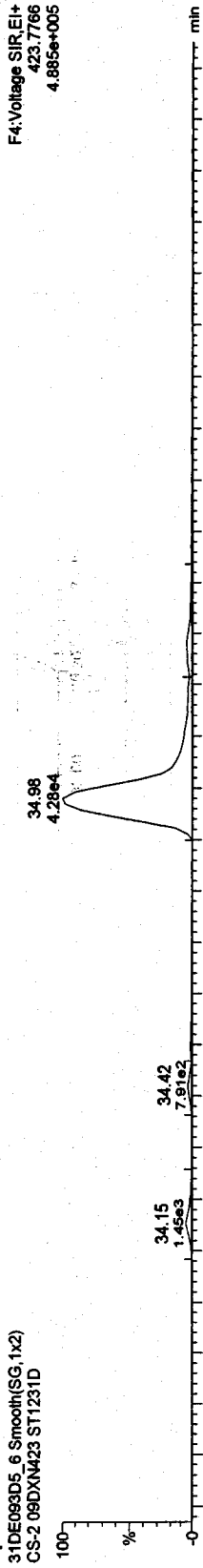
Dataset: C:\MassLynx\Default.pro\CA123120093D68290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

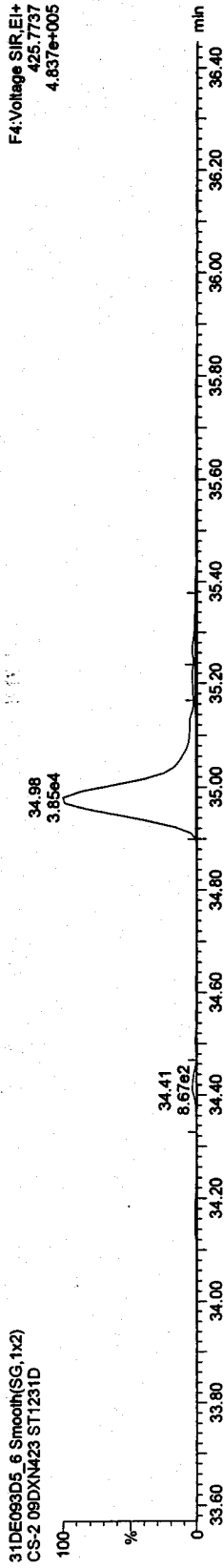
HpCDDs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



F4:Voltage SIR,EI+  
423.7766  
4.885e+005

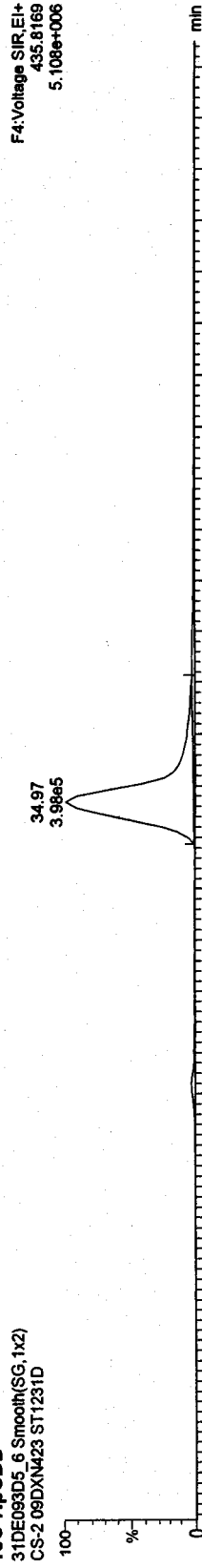
31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



F4:Voltage SIR,EI+  
425.7737  
4.837e+005

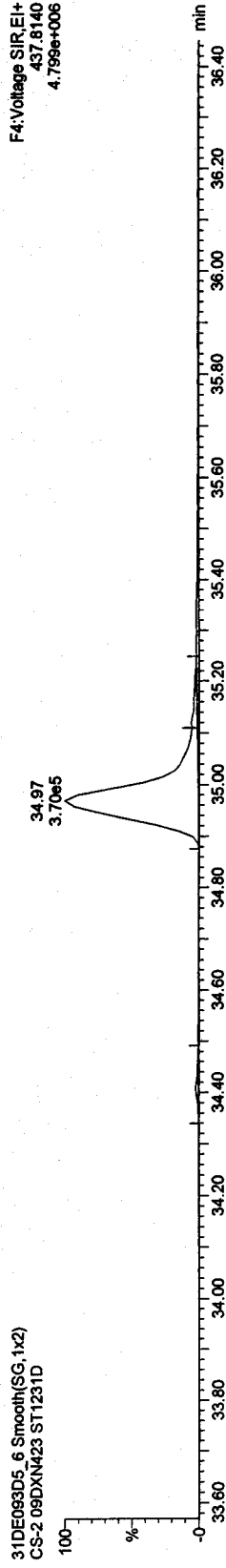
13C-HpCDD

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



F4:Voltage SIR,EI+  
435.8169  
5.108e+006

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



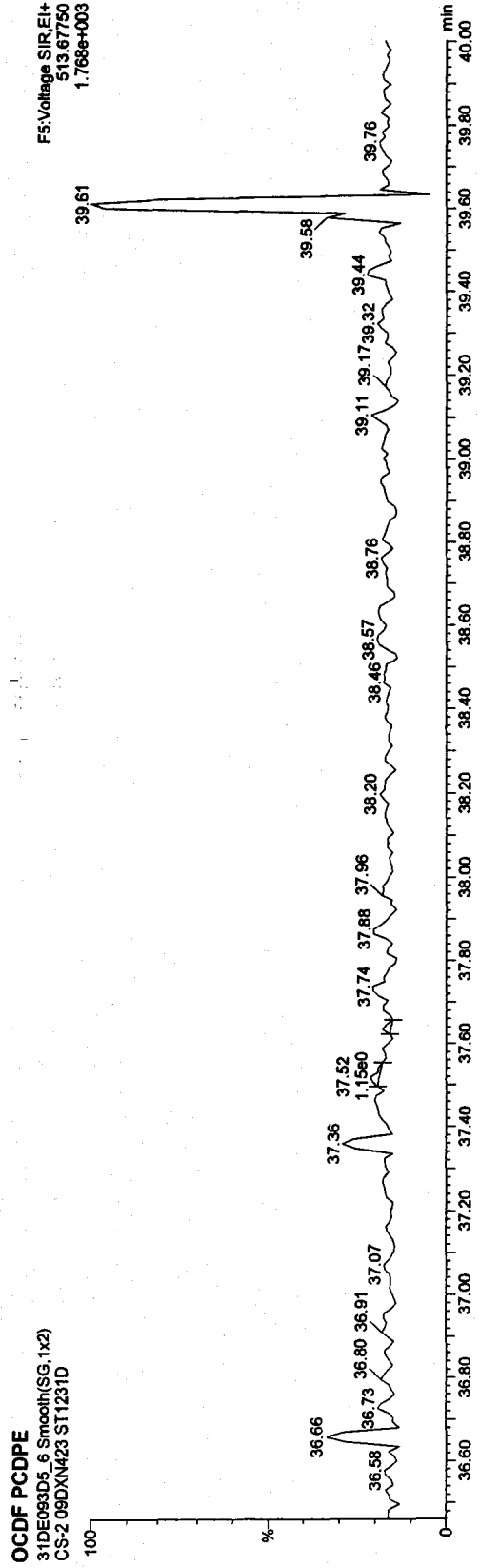
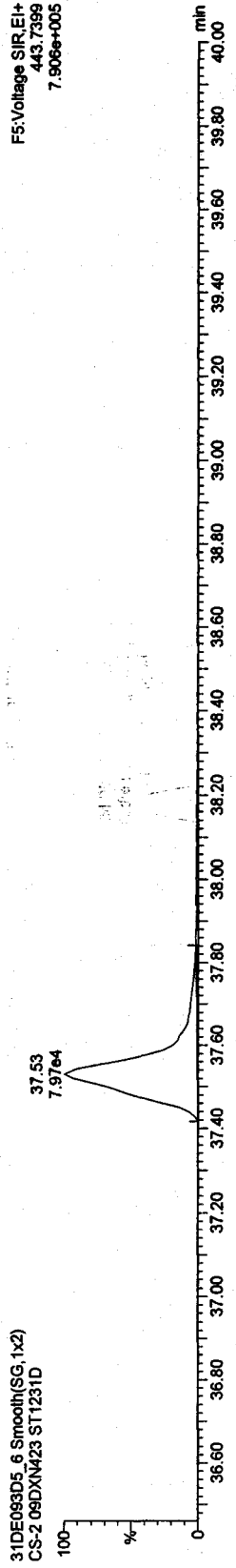
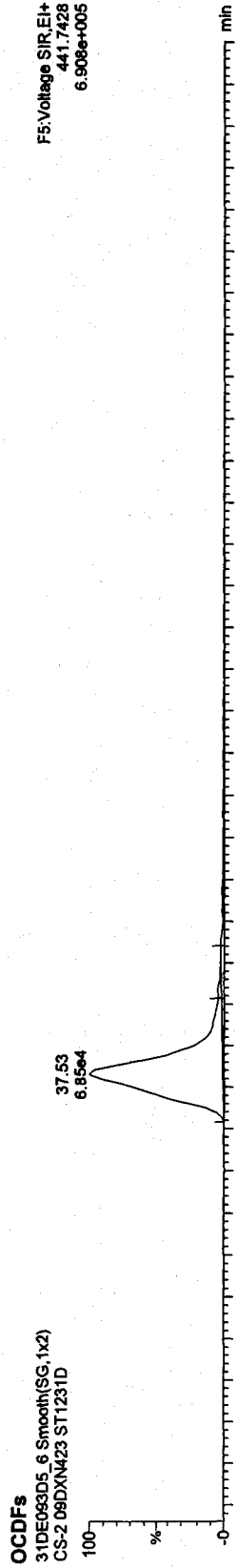
F4:Voltage SIR,EI+  
437.8140  
4.799e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423



Quantify Sample Report MassLynx 4.1

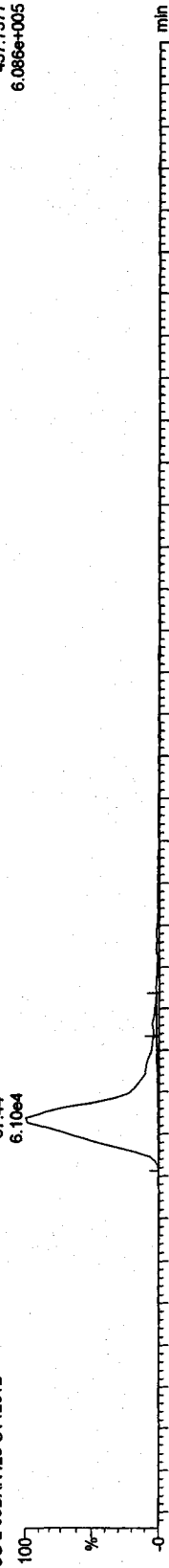
Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

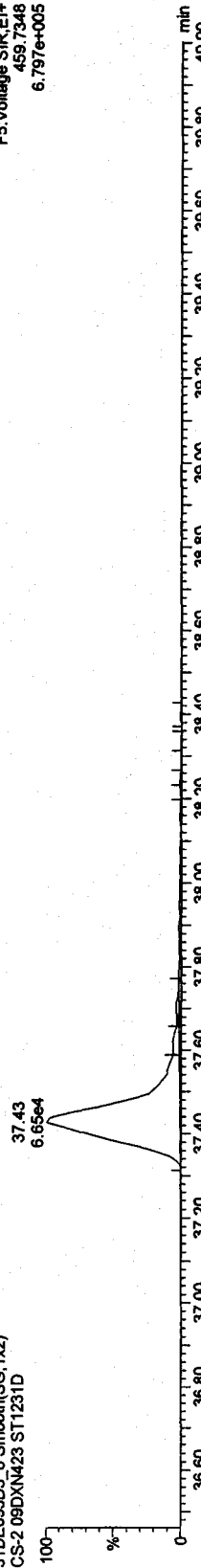
Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

OCDD

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

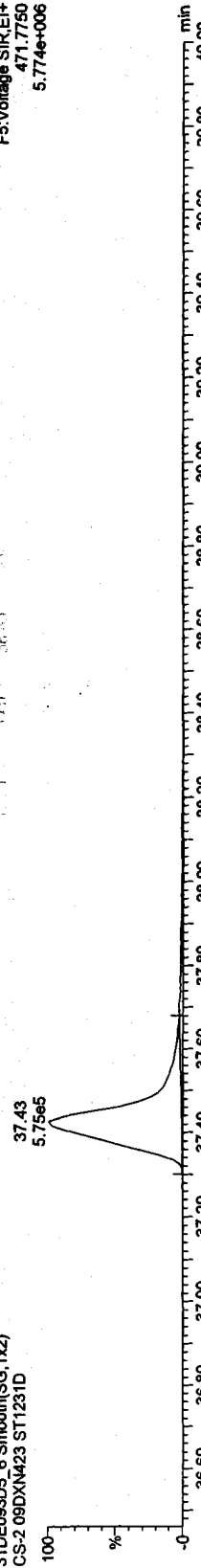


13C-OCDD

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



Quantify Sample Report MassLynx 4.1

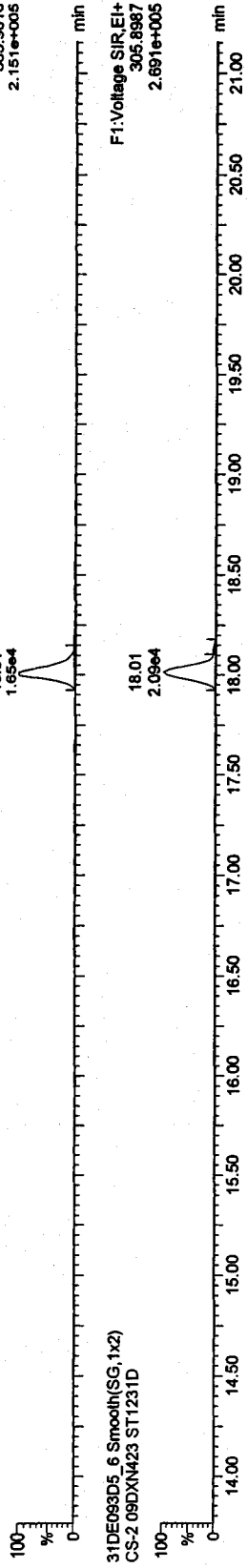
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

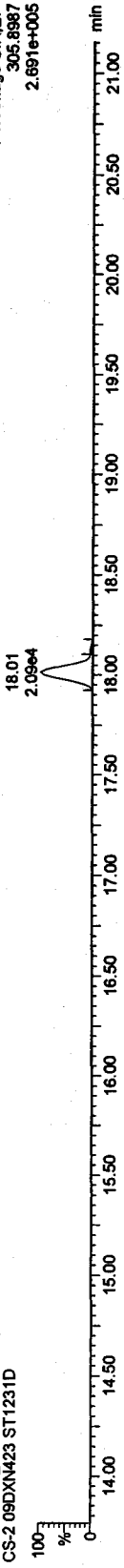
Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423

TCDFs

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

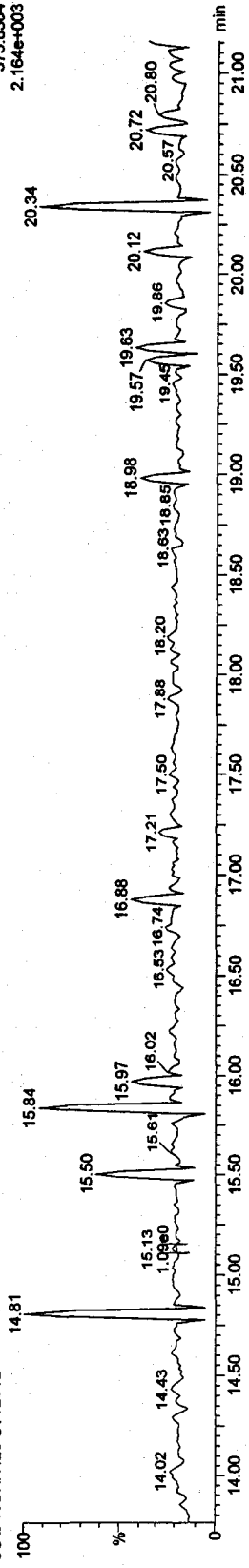


31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



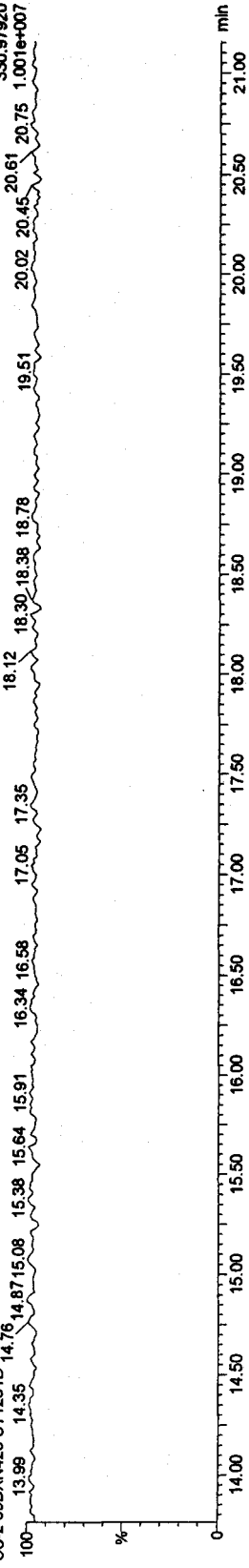
TCDF PCDDPE

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D



Function 1 PFK

31DE093D5\_6 Smooth(SG,1x2)  
CS-2 09DXN423 ST1231D

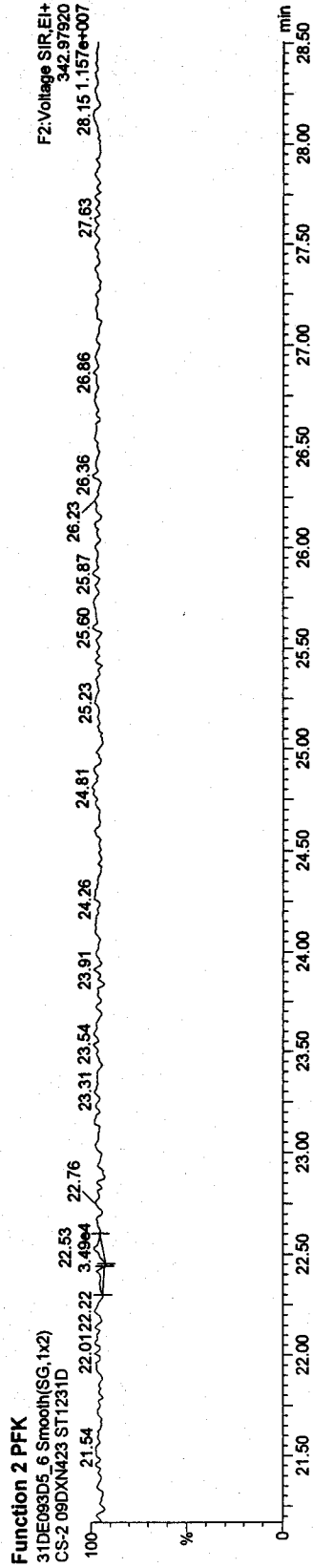
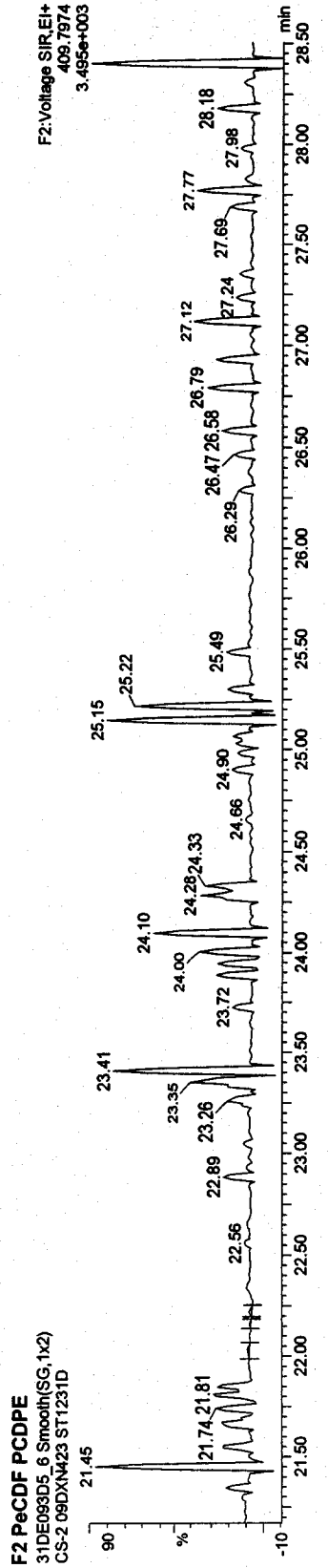
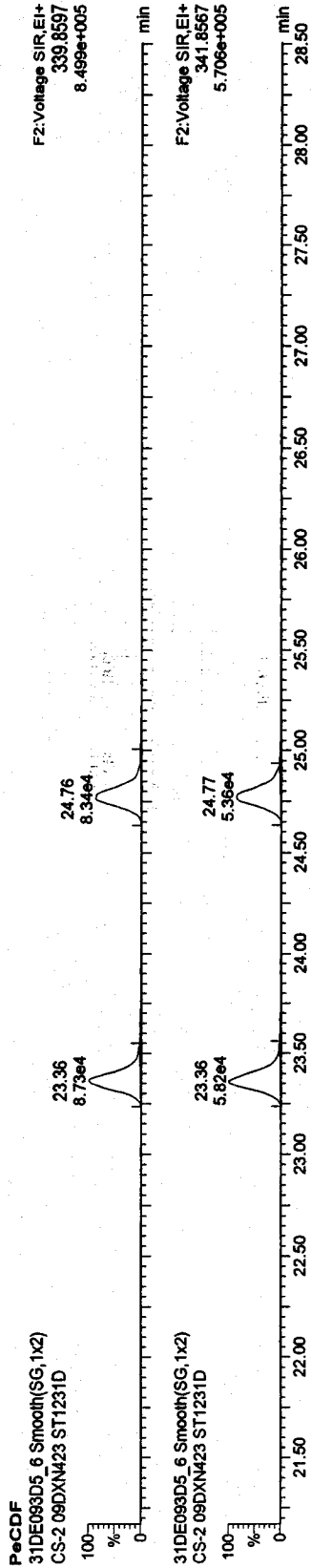


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynxDefault\pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423



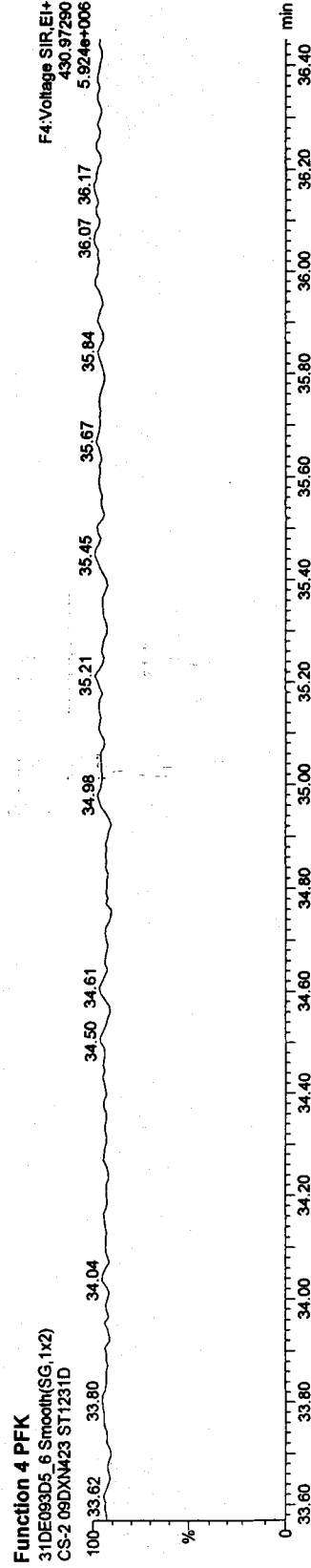
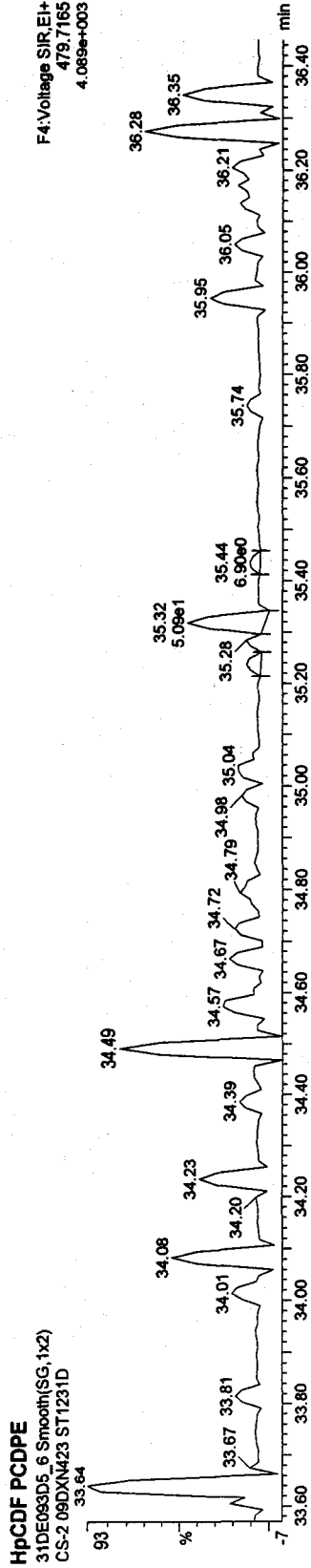
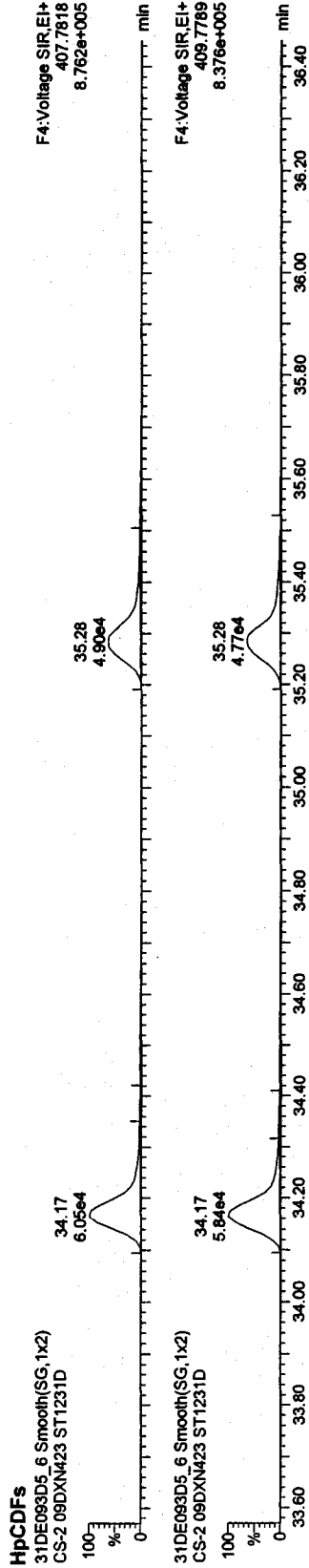


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_6, Date: 31-Dec-2009, Time: 11:27:05, ID: ST1231D, Description: CS-2 09DXN423







Quantify Sample Report MassLynx 4.1

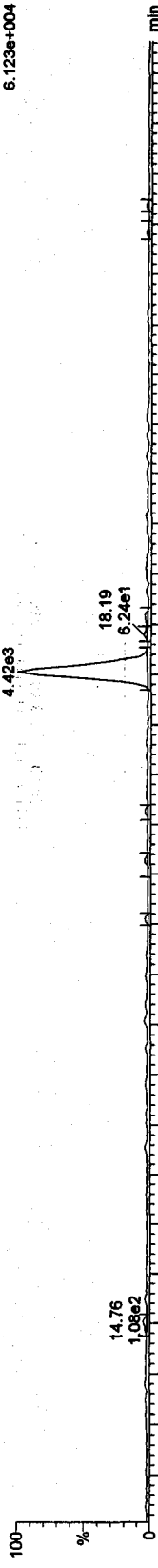
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

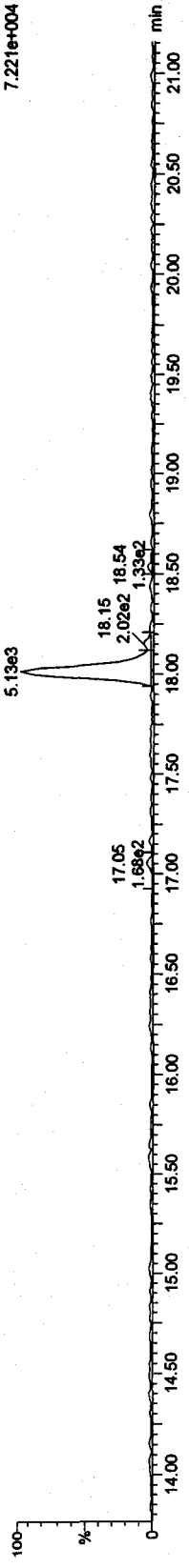
TCDFs

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



F1:Voltage SIR,EI+  
303.8016  
6.123e+004

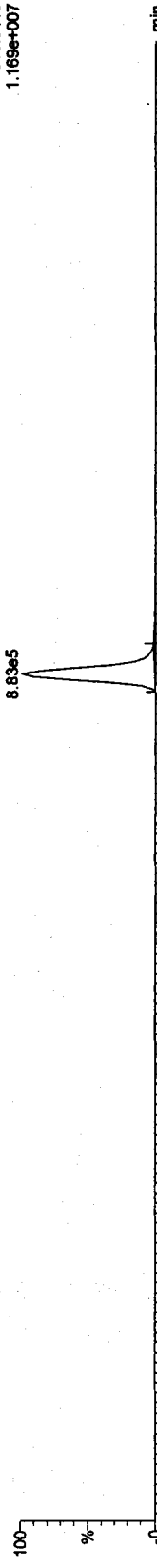
31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



F1:Voltage SIR,EI+  
305.6987  
7.221e+004

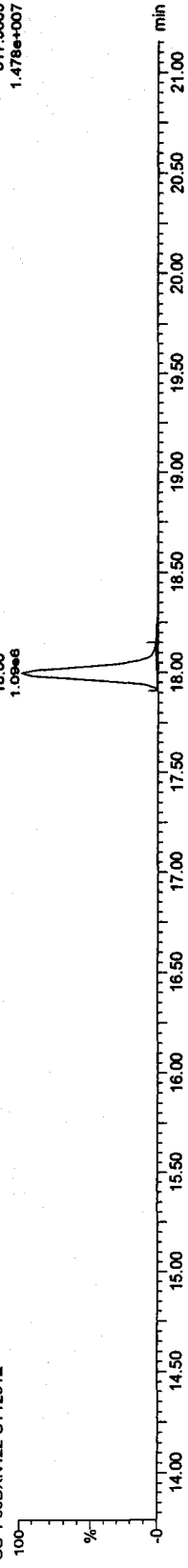
13C-TCDF

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



F1:Voltage SIR,EI+  
315.9419  
1.169e+007

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



F1:Voltage SIR,EI+  
317.9389  
1.478e+007

Quantify Sample Report MassLynx 4.1

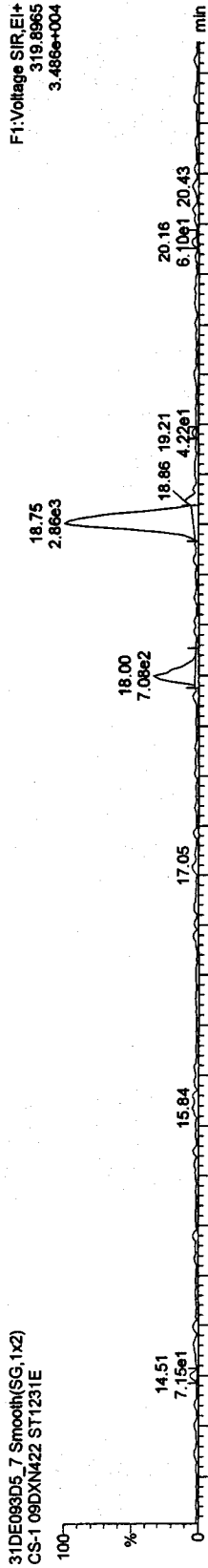
Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

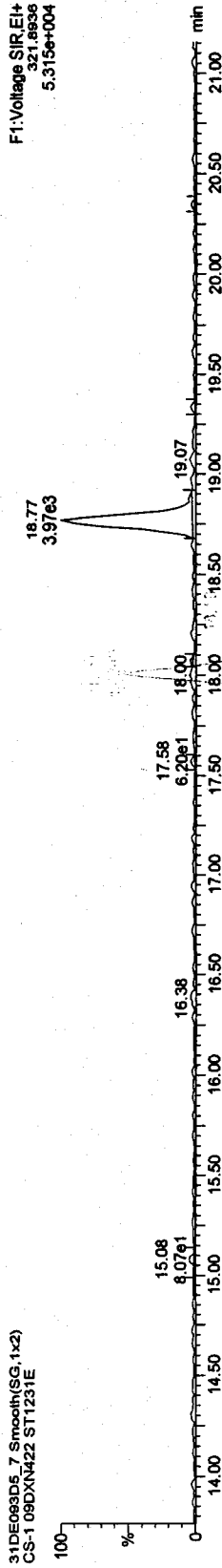
Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

TCDDs

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E

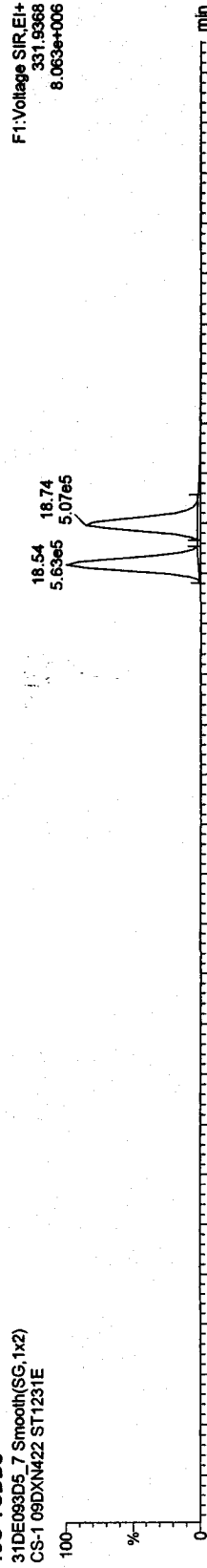


31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E

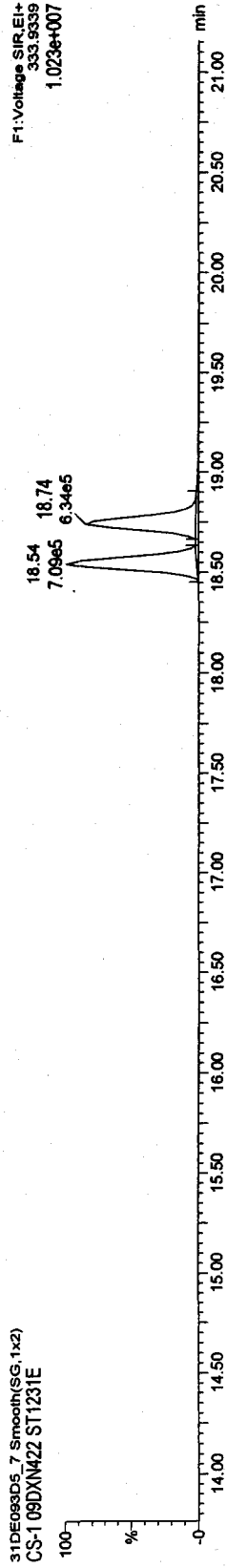


13C-TCDDs

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



Quantify Sample Report MassLynx 4.1

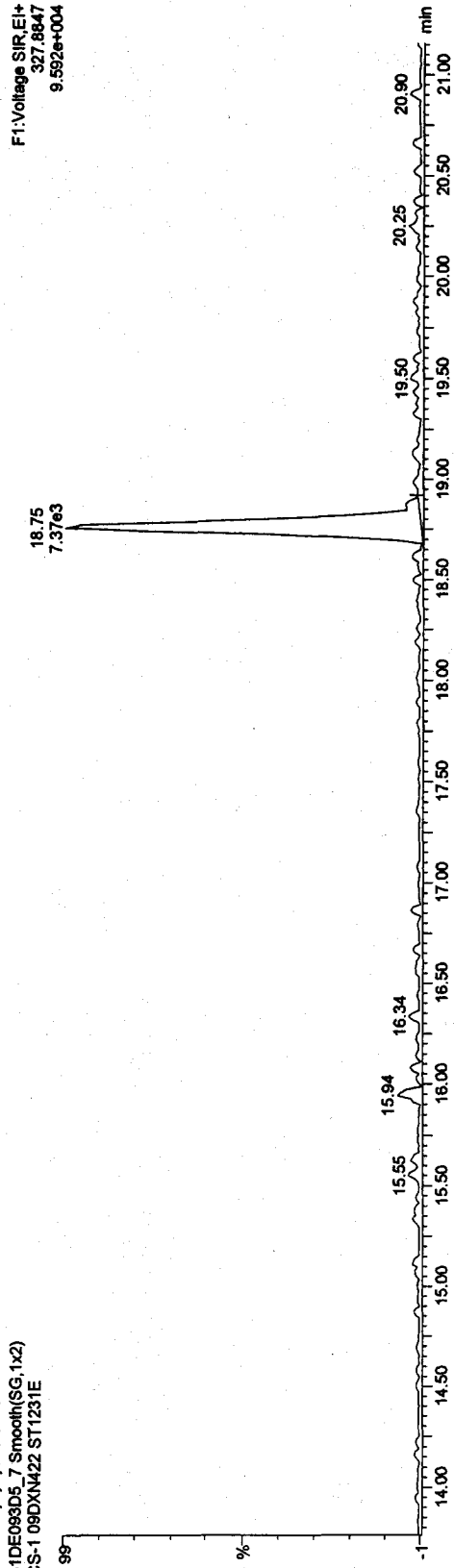
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

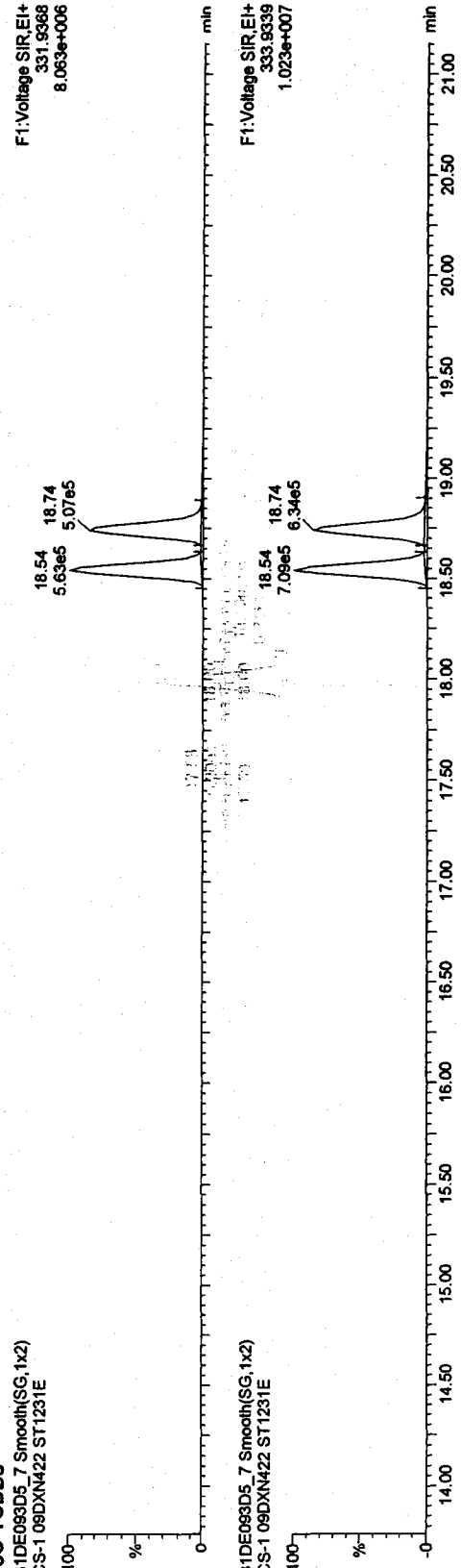
37CL-2,3,7,8-TCDD

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



13C-TCDDs

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E

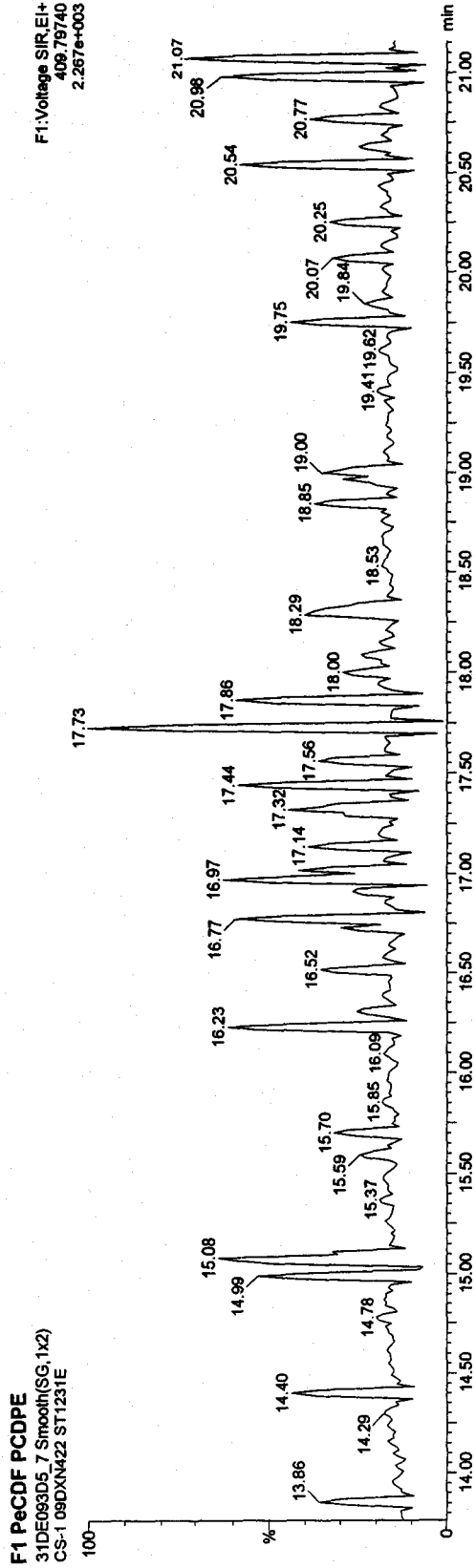
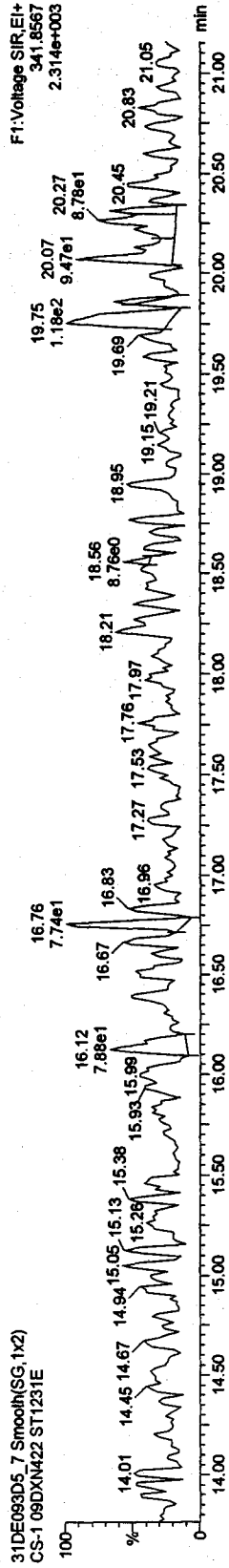
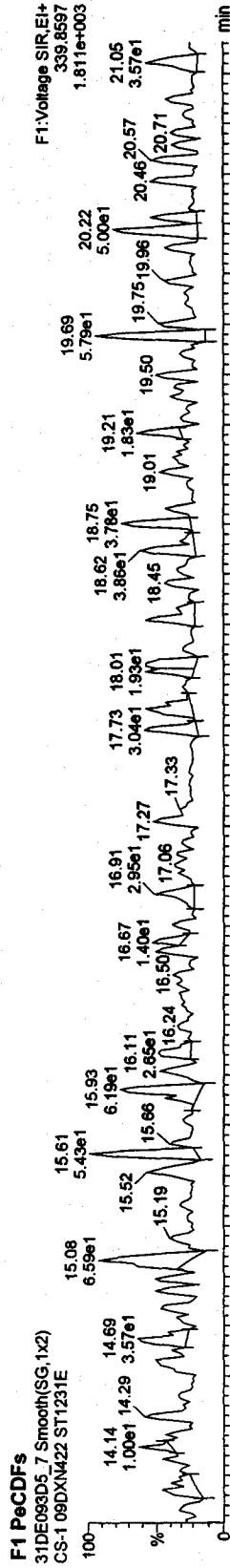


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

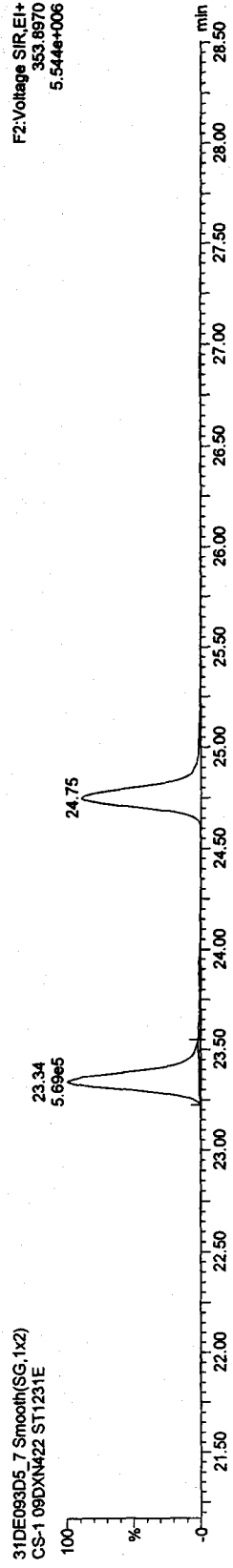
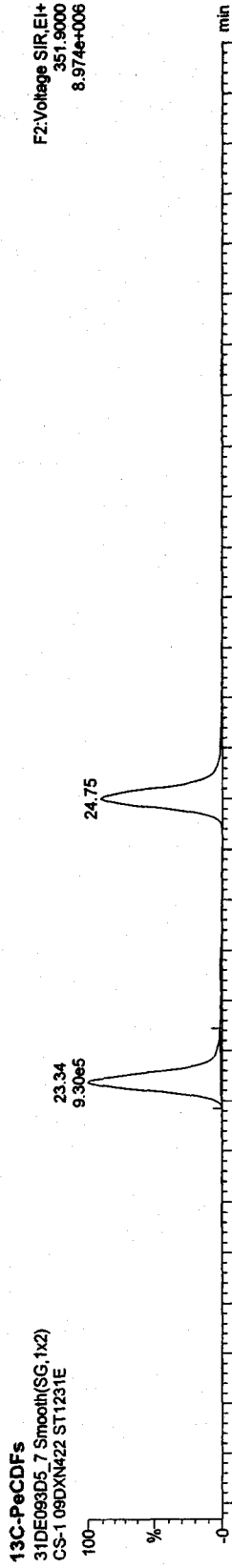
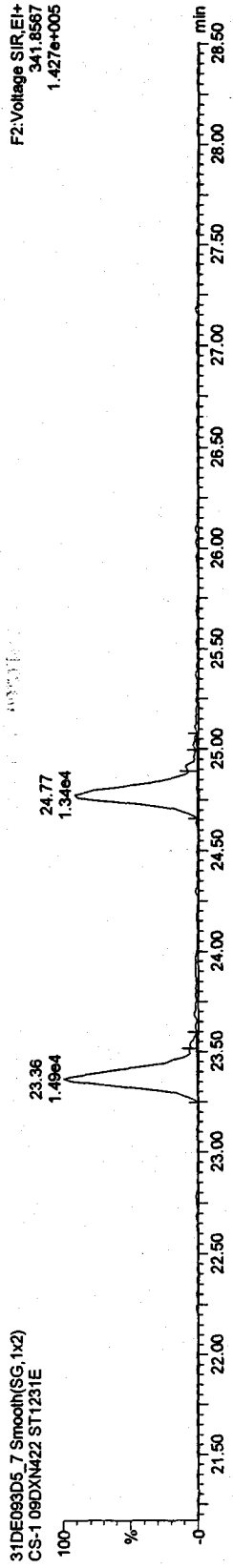
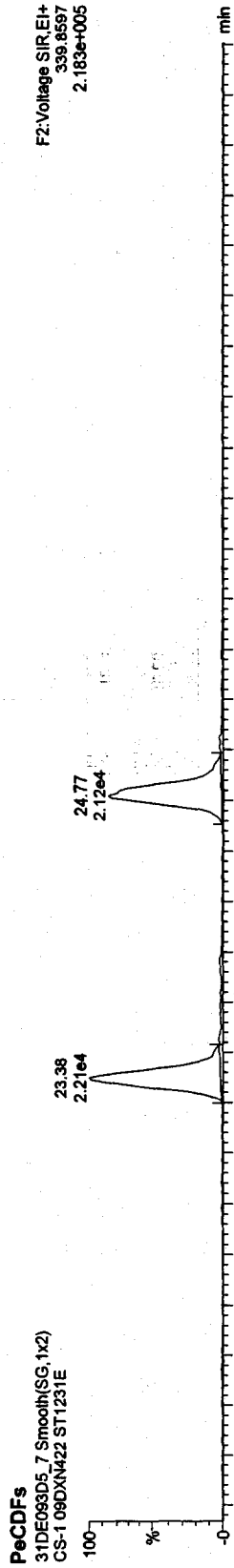


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

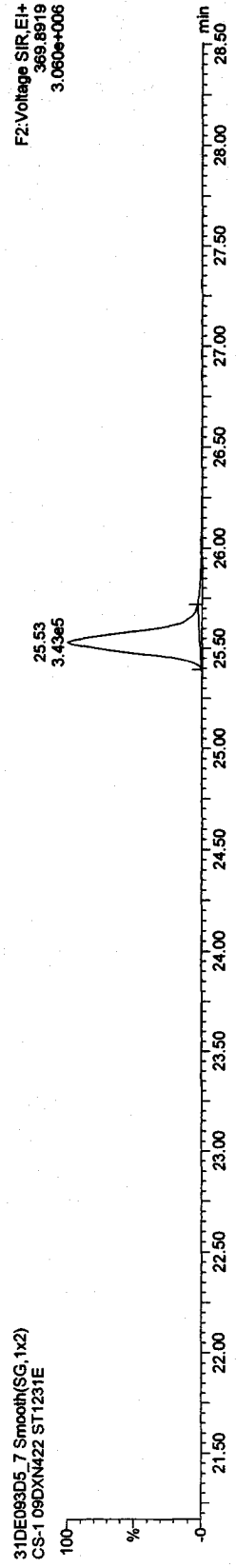
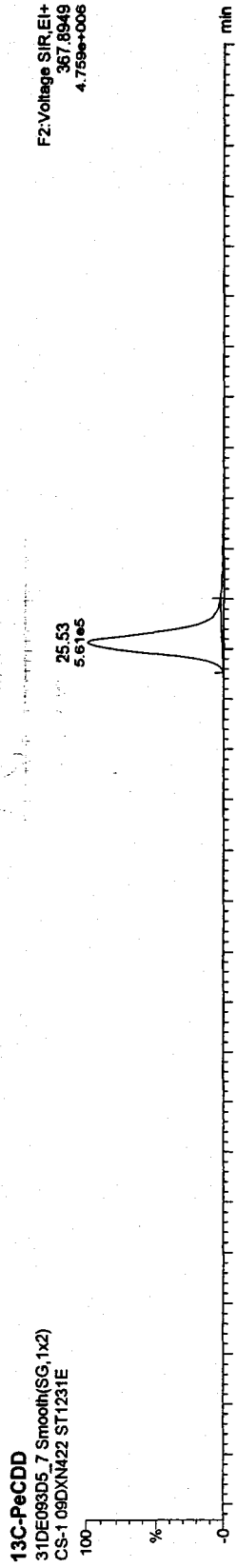
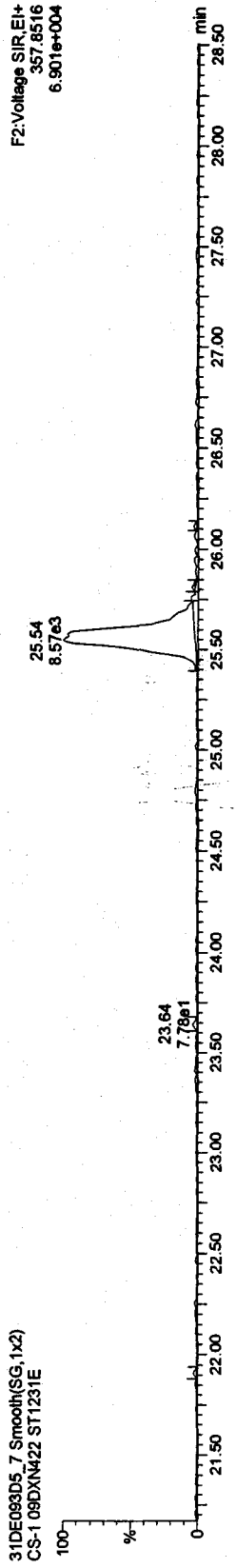
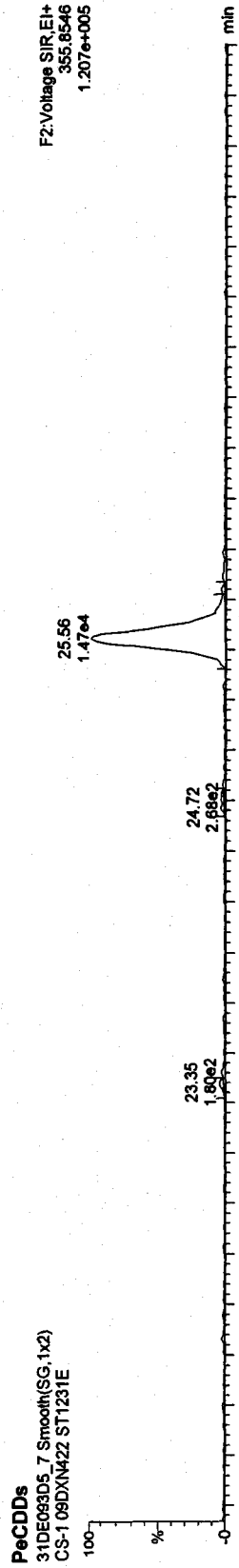


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422



31.41  
8.07e5  
1.61

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA123120093D58290.qld

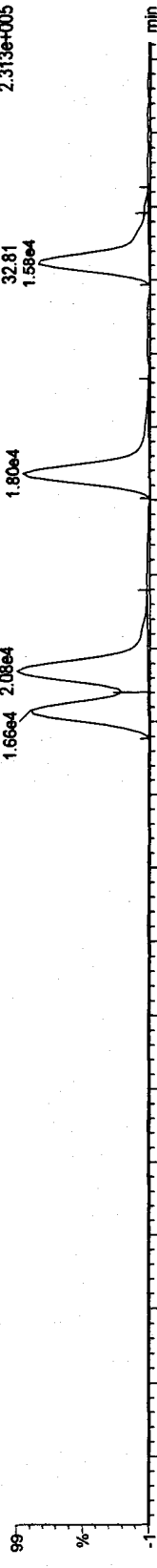
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

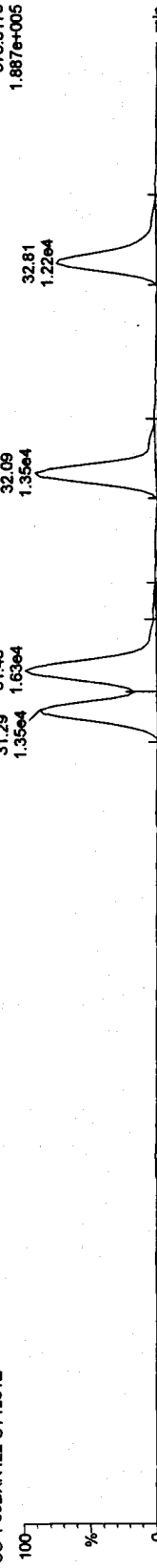
Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

HxCDFs

31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E

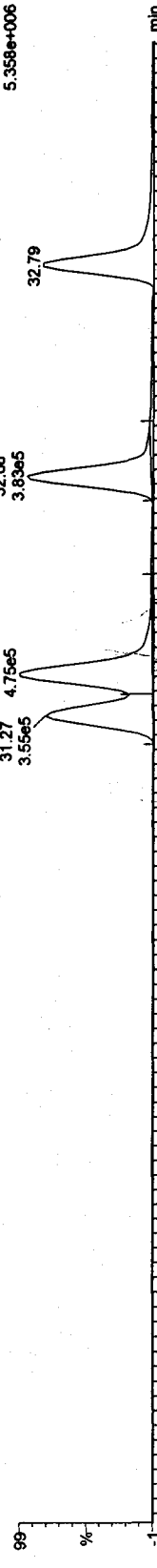


31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E

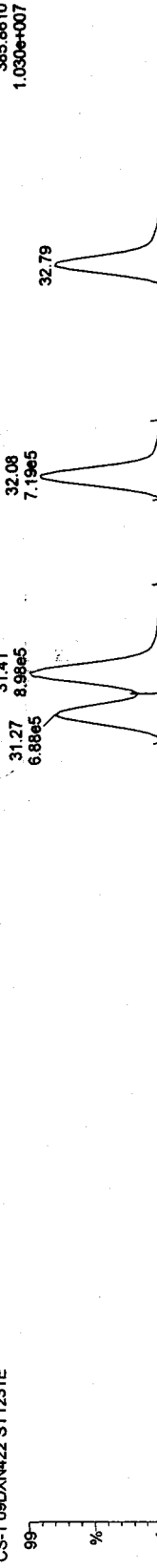


13C-HxCDFs

31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E



31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E



Quantify Sample Report MassLynx 4.1

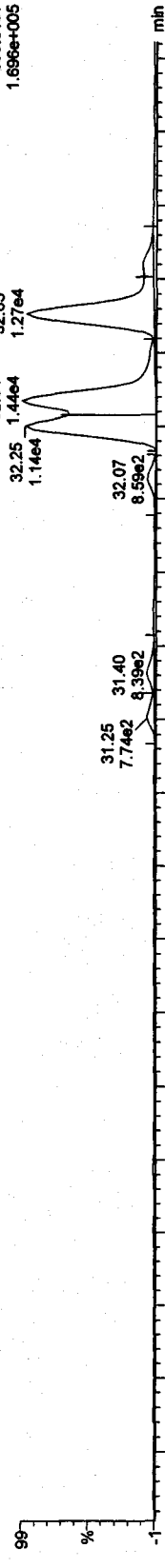
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

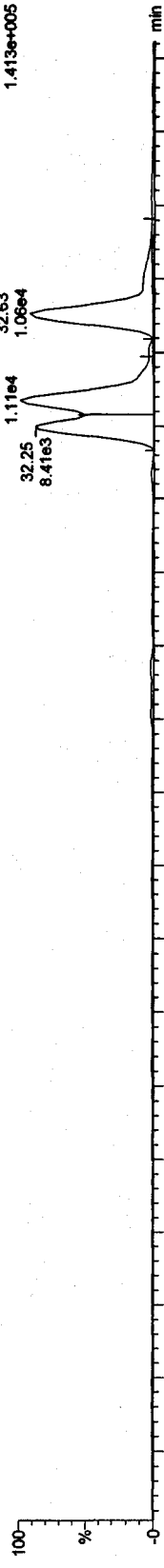
Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

HxCDDs

31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E

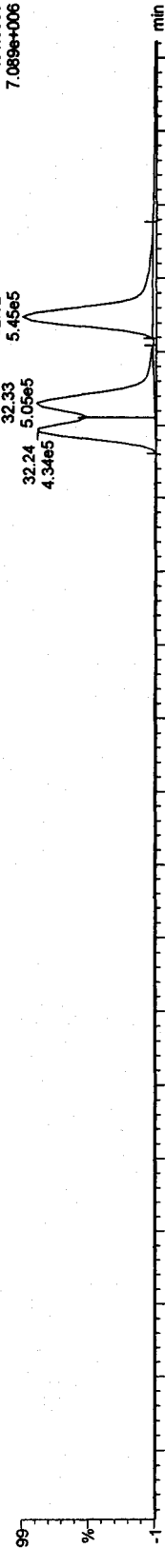


31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E

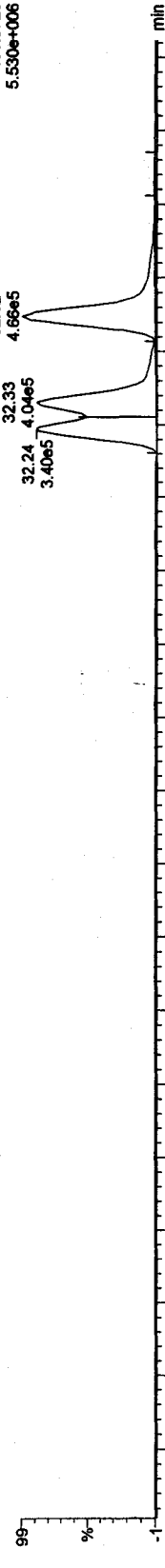


13C-HxCDDs

31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E



31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E





Quantify Sample Report MassLynx 4.1

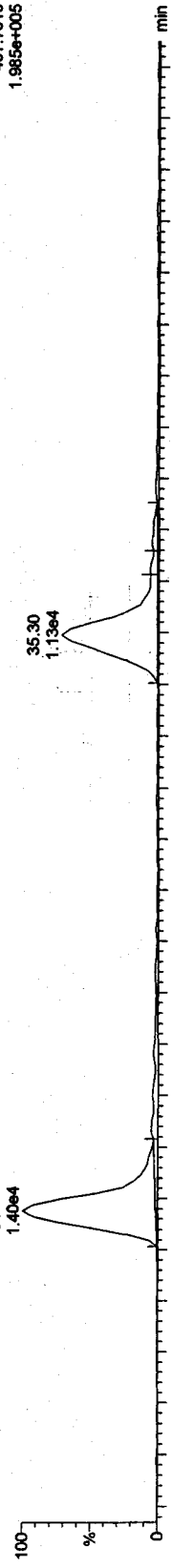
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

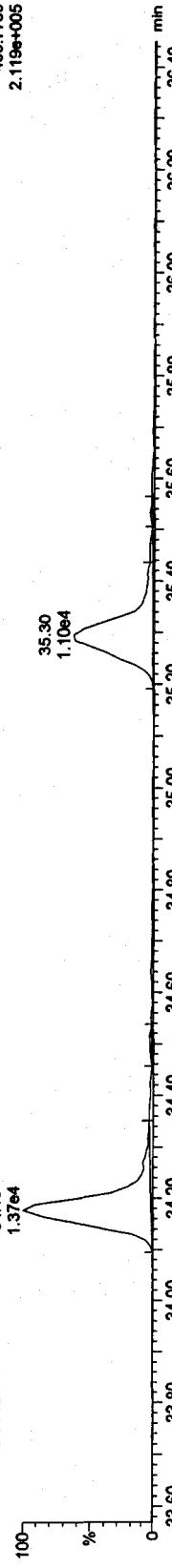
HpCDFs

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



F4:Voltage SIR,EI+  
407.7818  
1.985e+005

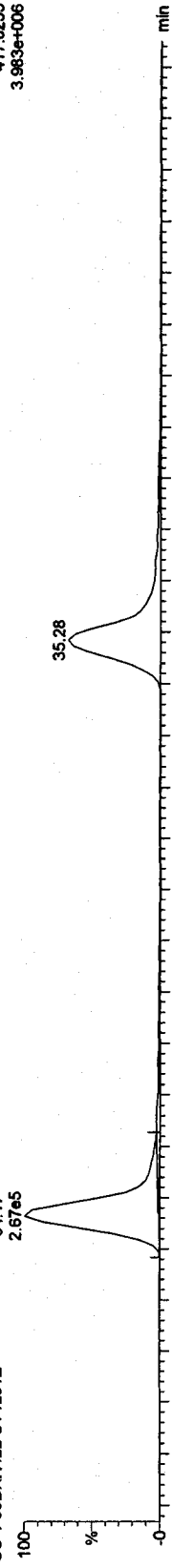
31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



F4:Voltage SIR,EI+  
409.7789  
2.119e+005

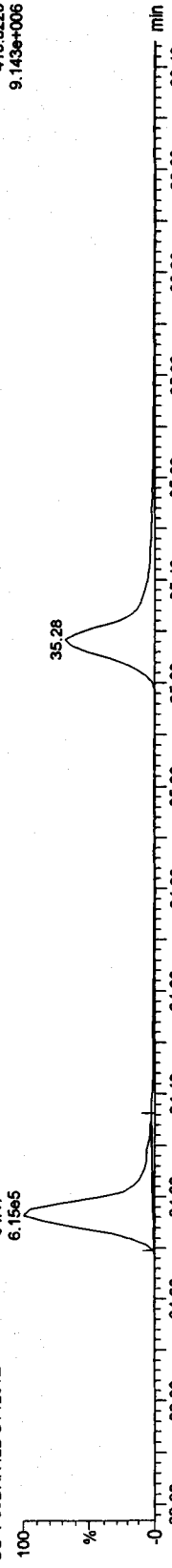
13C-HpCDFs

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



F4:Voltage SIR,EI+  
417.8253  
3.983e+006

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



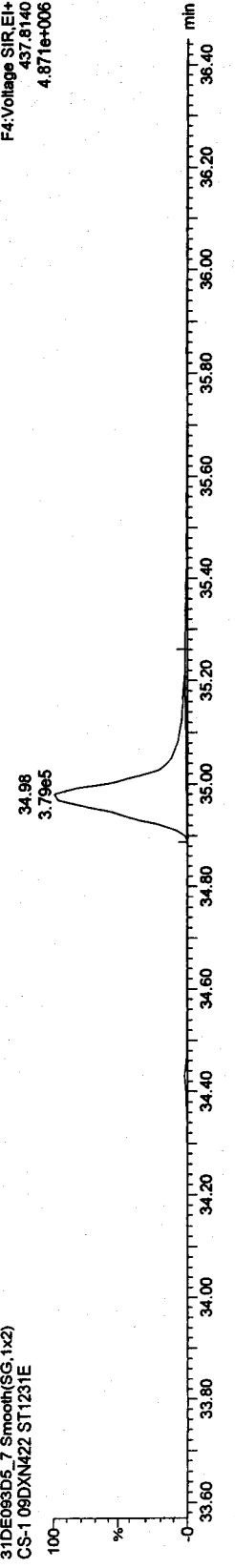
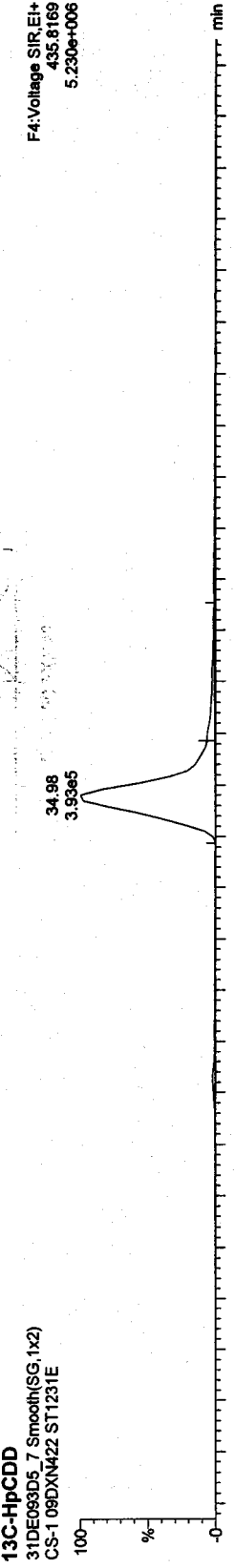
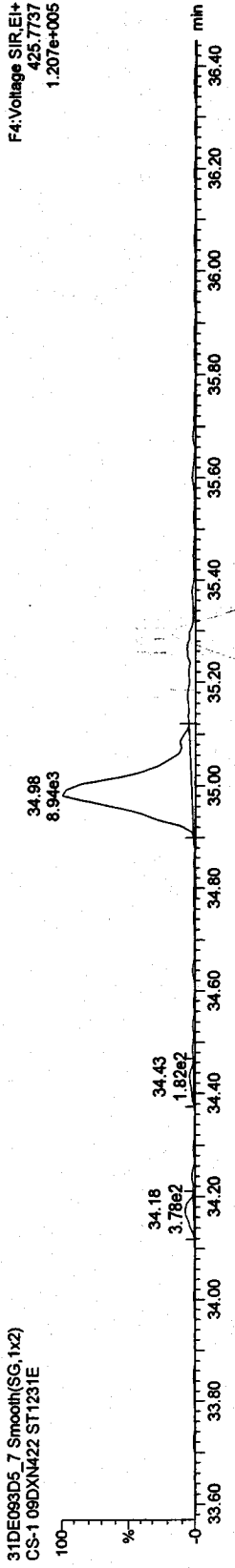
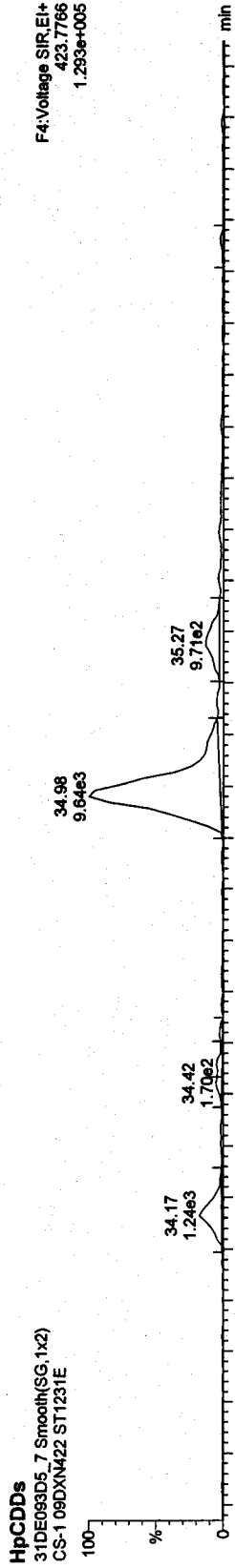
F4:Voltage SIR,EI+  
419.8220  
9.143e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

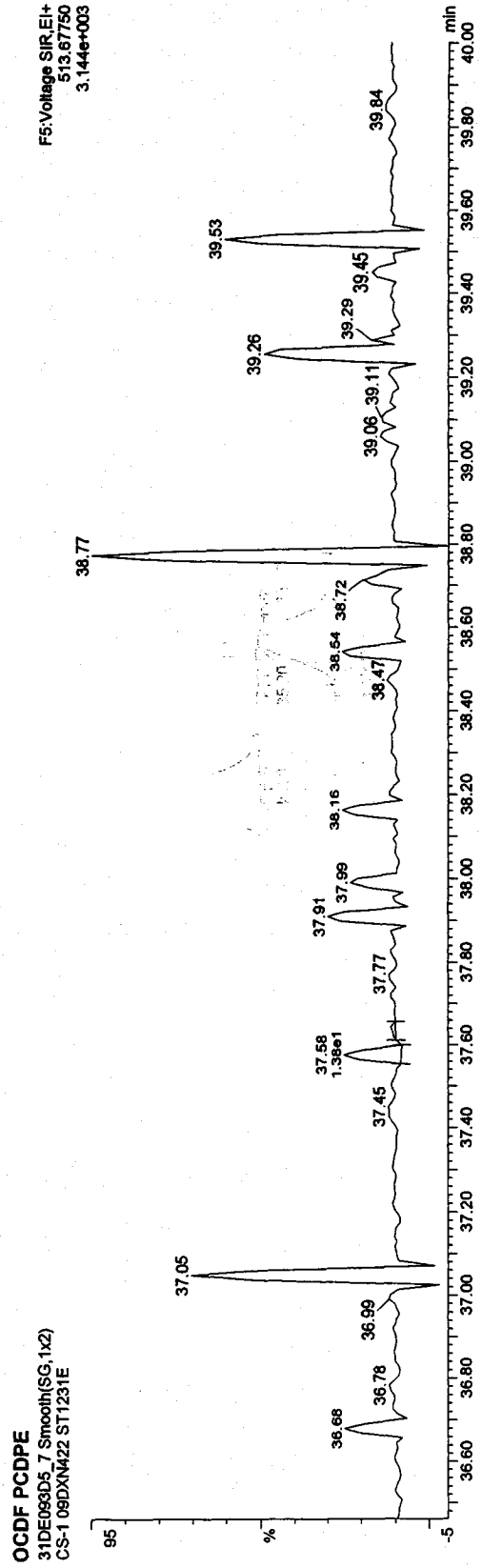
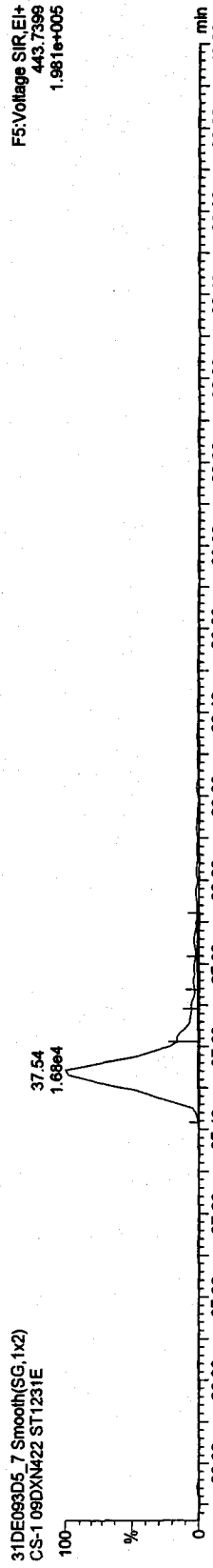
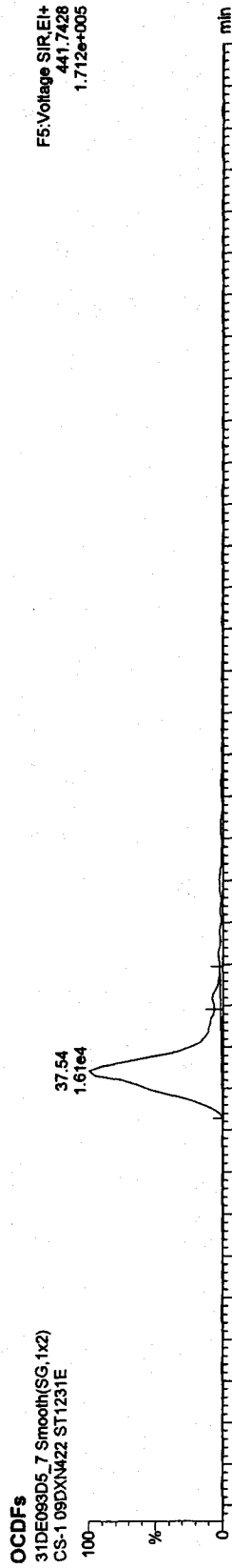


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

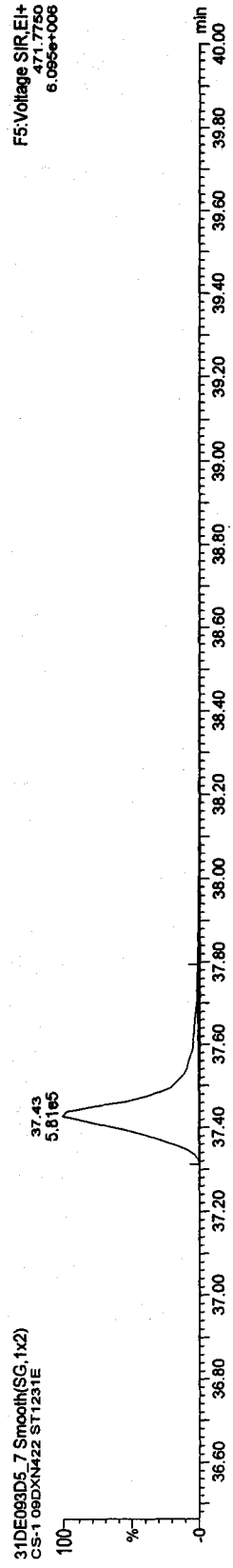
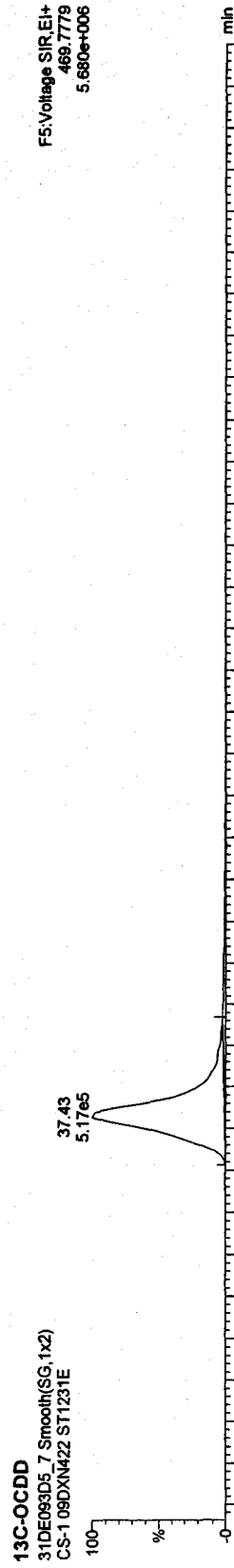
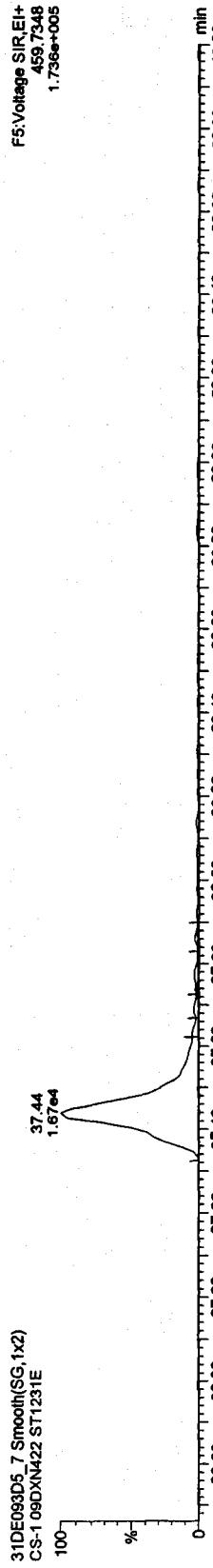
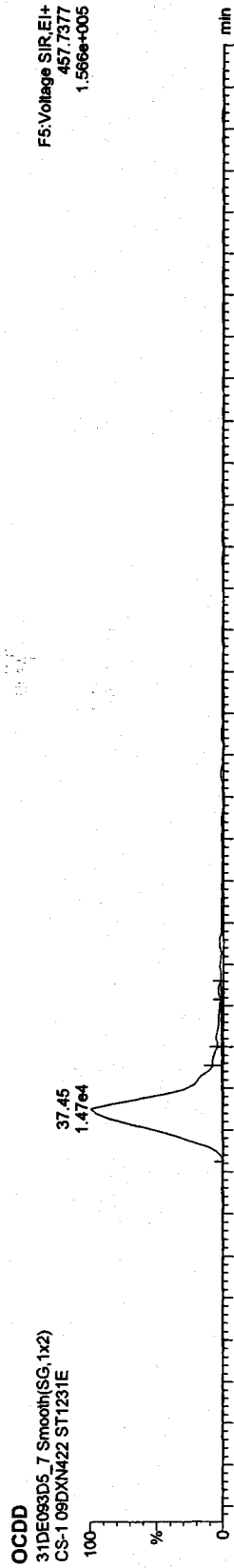


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422



Quantify Sample Report MassLynx 4.1

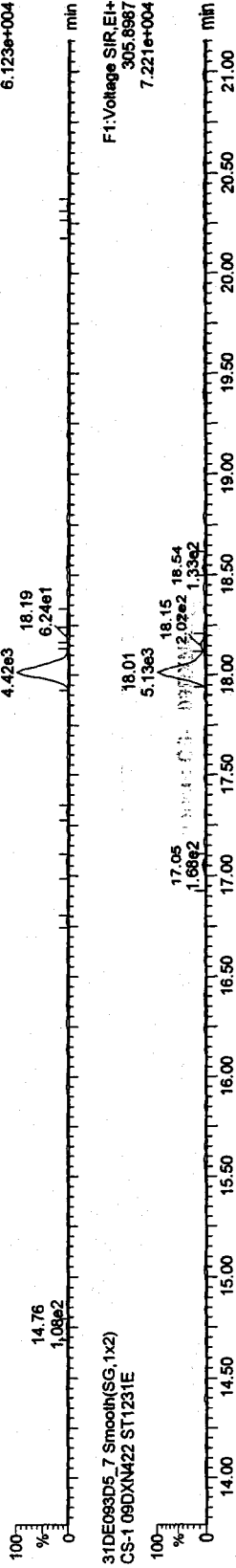
Dataset: C:\MassLynx\Default.pro\ICA123120093D56290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

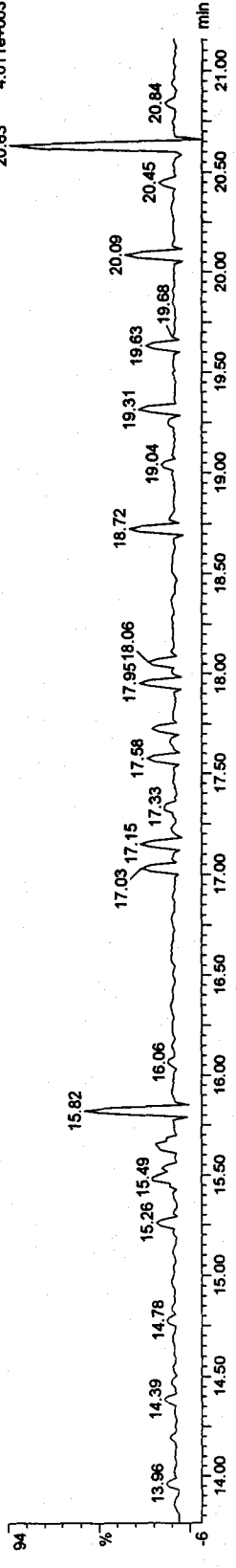
TCDFs

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



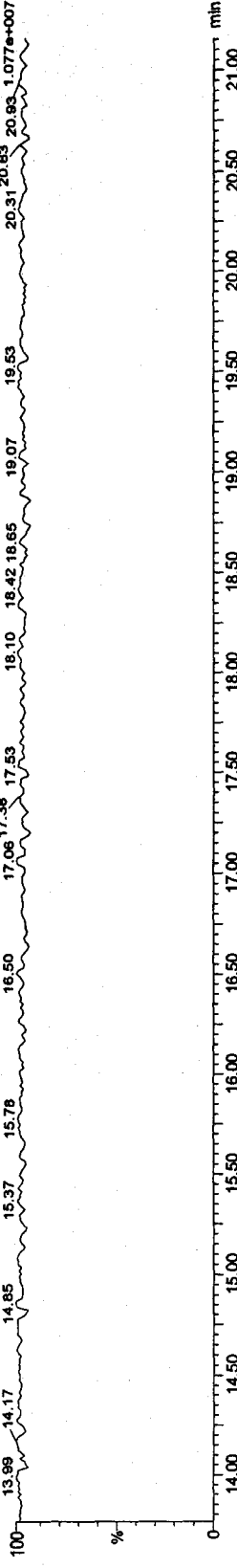
TCDF PCDFE

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



Function 1 PFK

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



Quantify Sample Report MassLynx 4.1

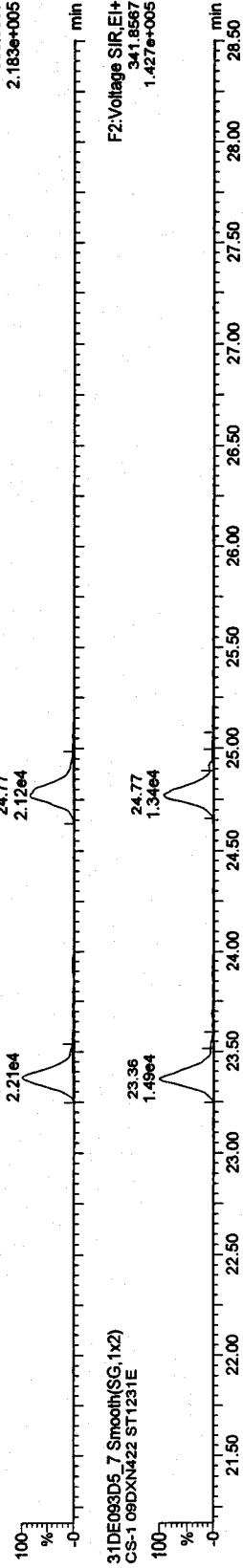
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

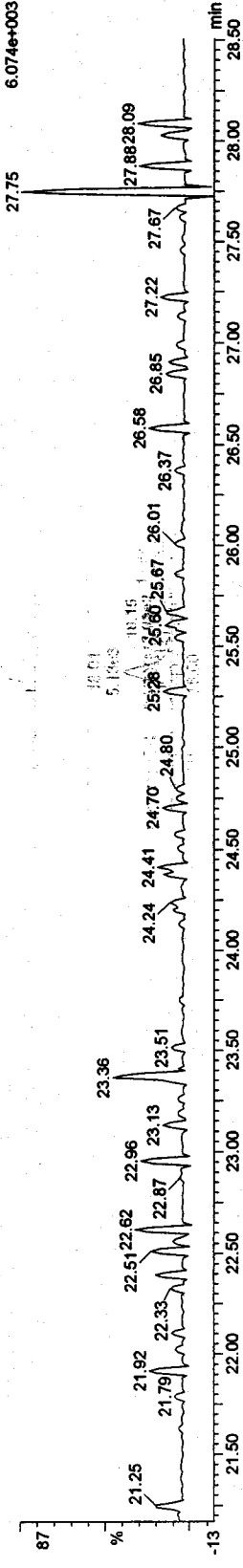
PeCDF

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



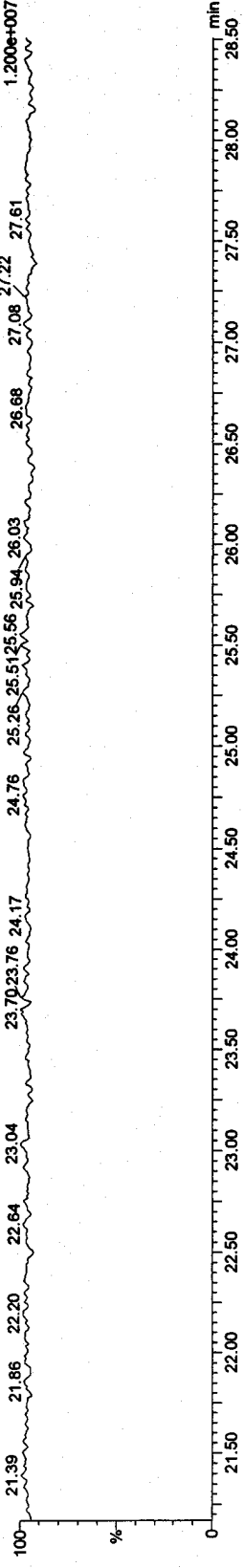
F2 PeCDF PCDFE

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



Function 2 PFK

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

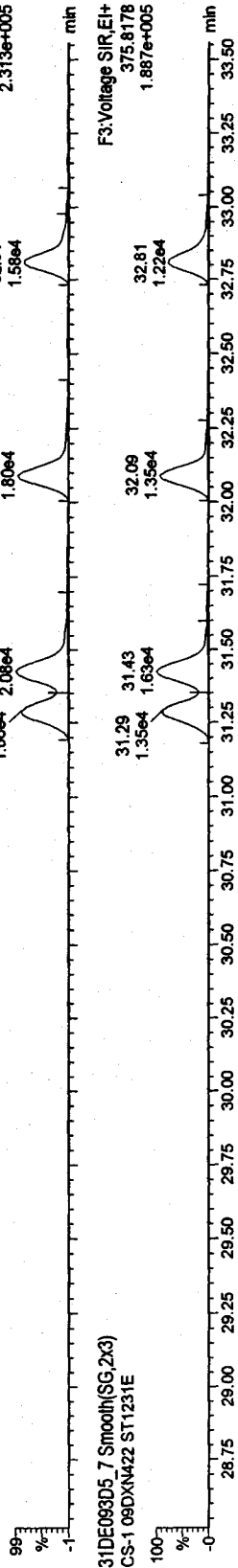
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

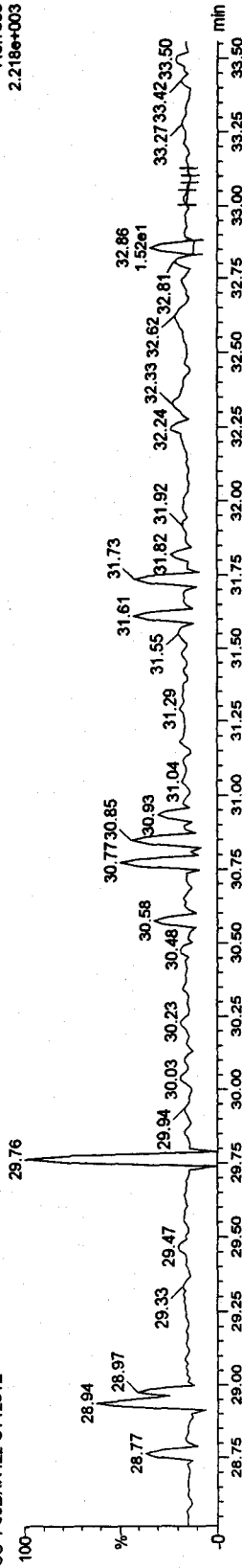
HxCDFs

31DE093D5\_7 Smooth(SG,2x3)  
CS-1 09DXN422 ST1231E



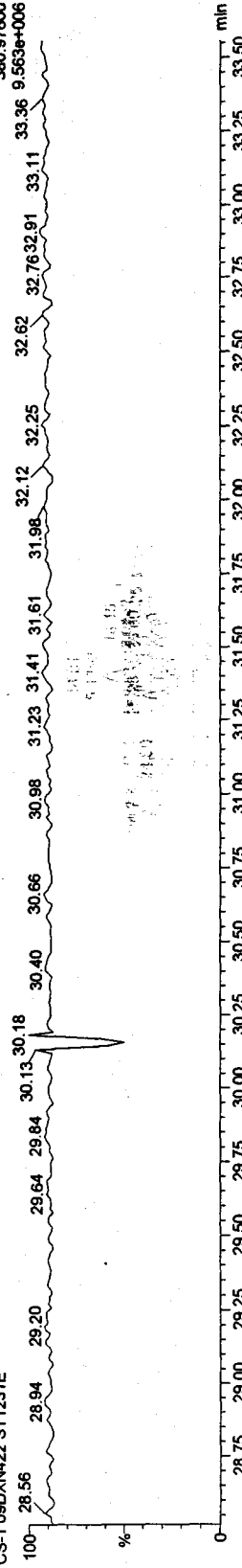
HxCDF PCDPE

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E



Function 3 PFK

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E

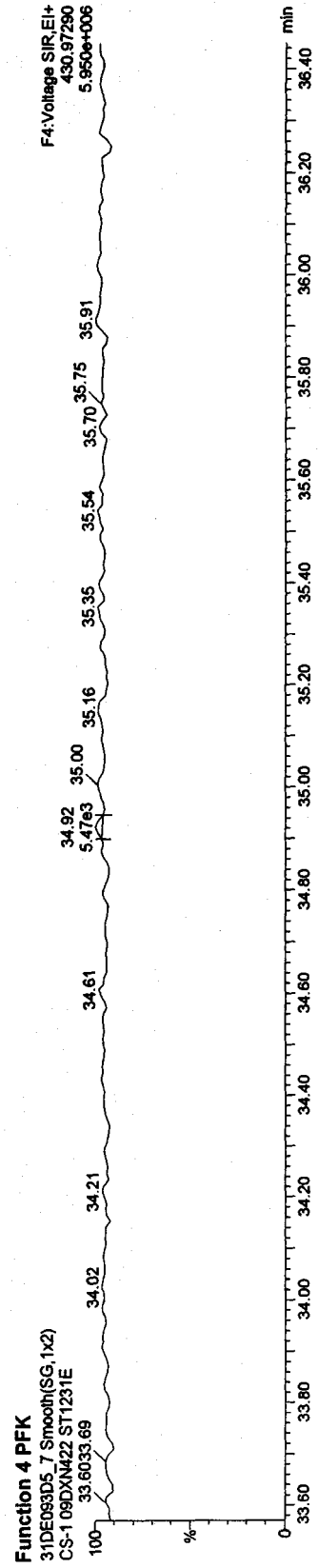
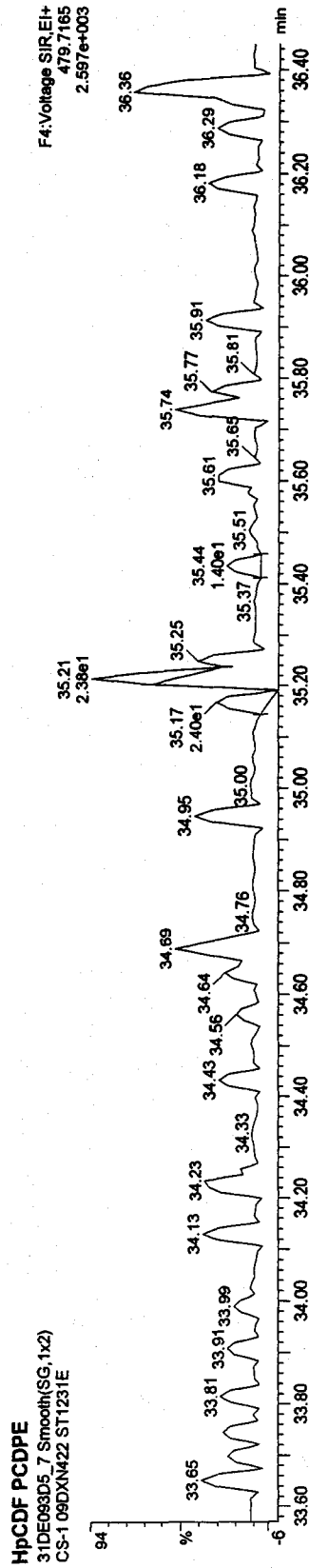
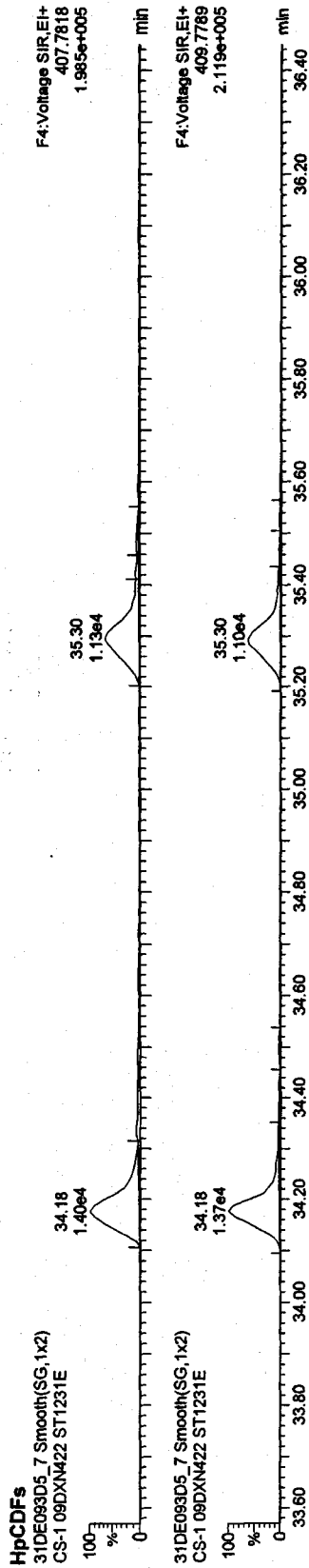


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
 Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA123120093D58290.qld

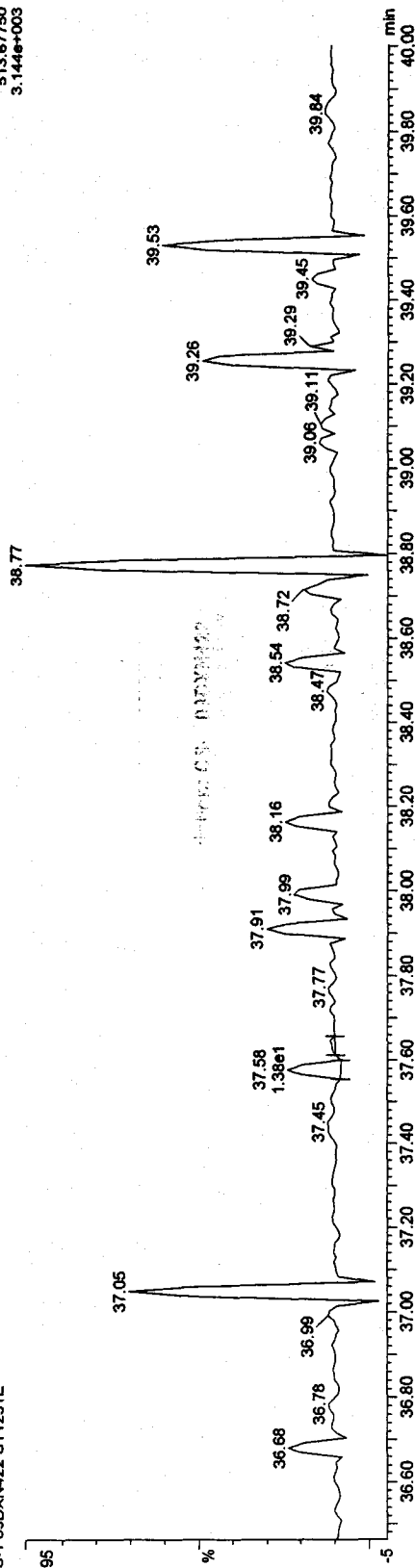
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_7, Date: 31-Dec-2009, Time: 12:09:24, ID: ST1231E, Description: CS-1 09DXN422

OCDF PCDPE

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E

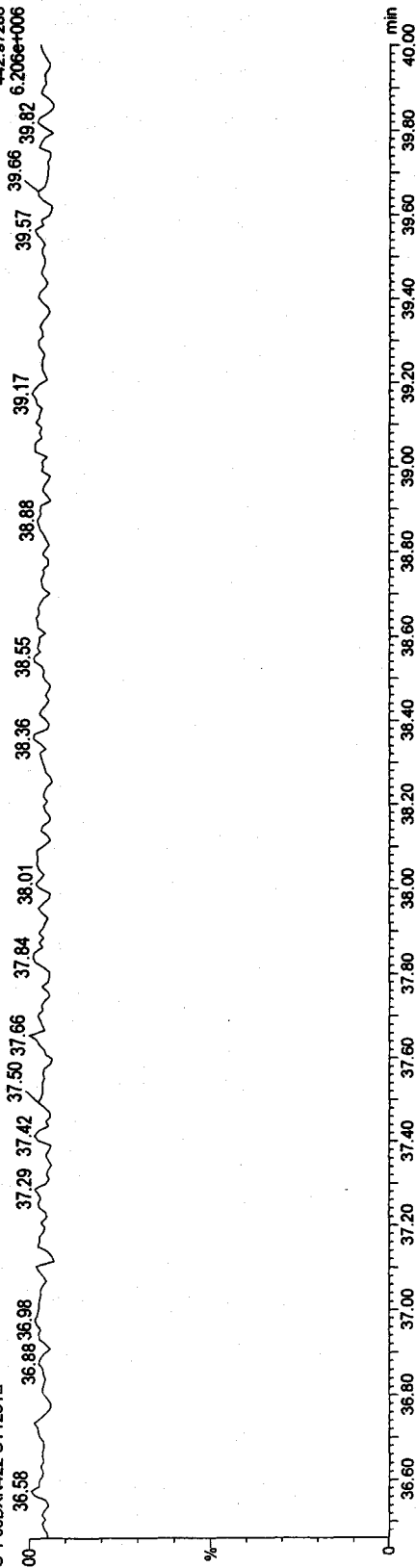
F5:Voltage S1R EI+  
513.67750  
3.144e+003



Function 5 PFK

31DE093D5\_7 Smooth(SG,1x2)  
CS-1 09DXN422 ST1231E

F5:Voltage S1R EI+  
442.67280  
6.206e+006



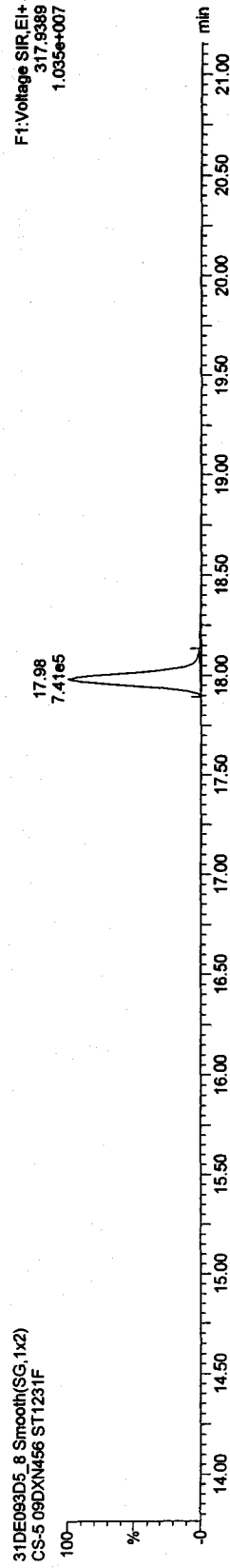
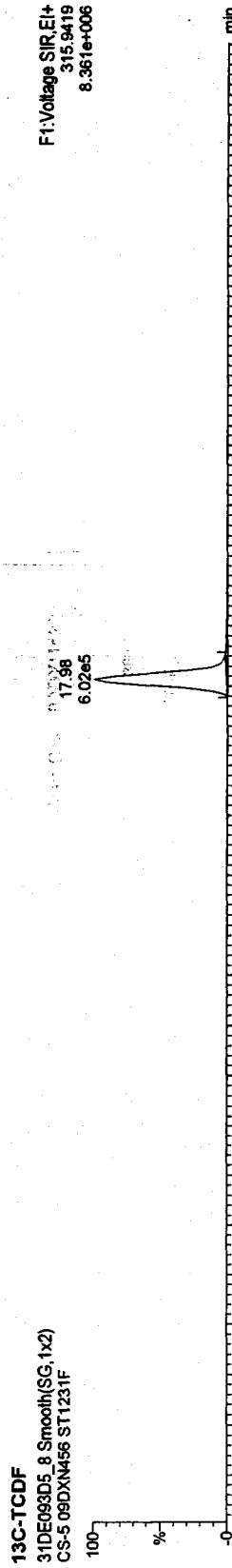
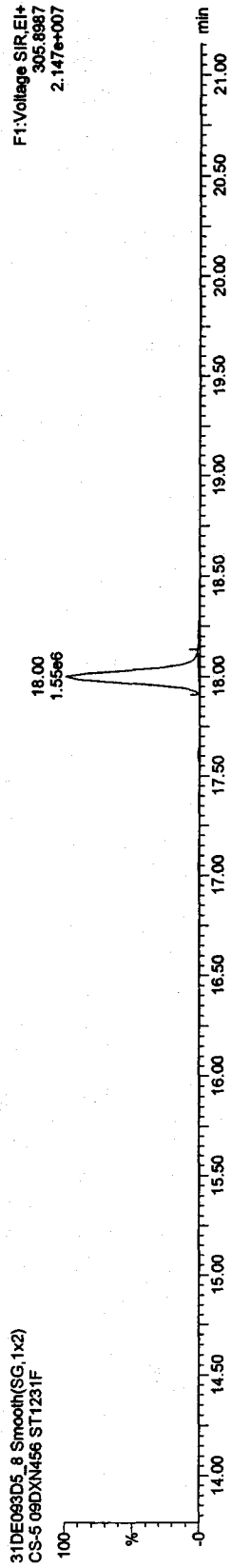
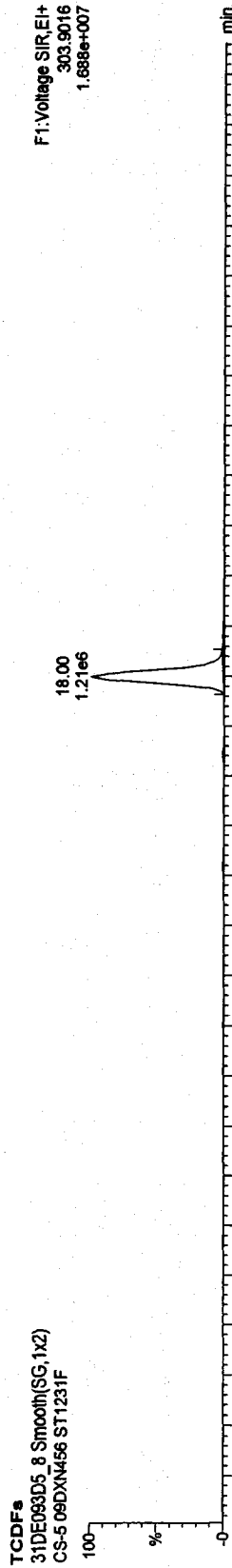
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456



Quantify Sample Report MassLynx 4.1

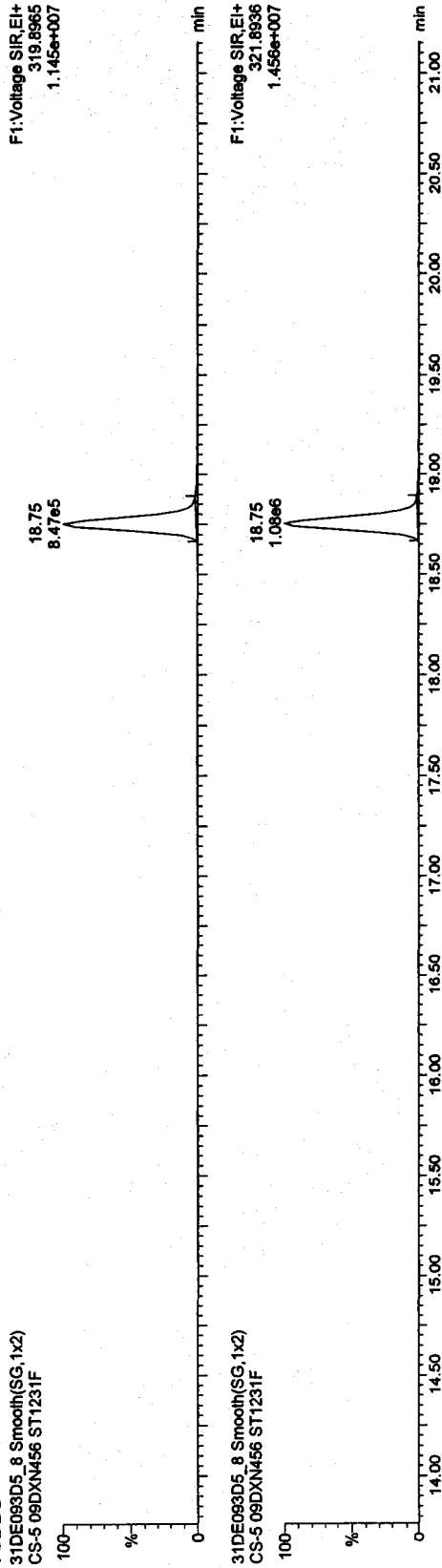
Dataset: C:\MassLynx\Default\pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

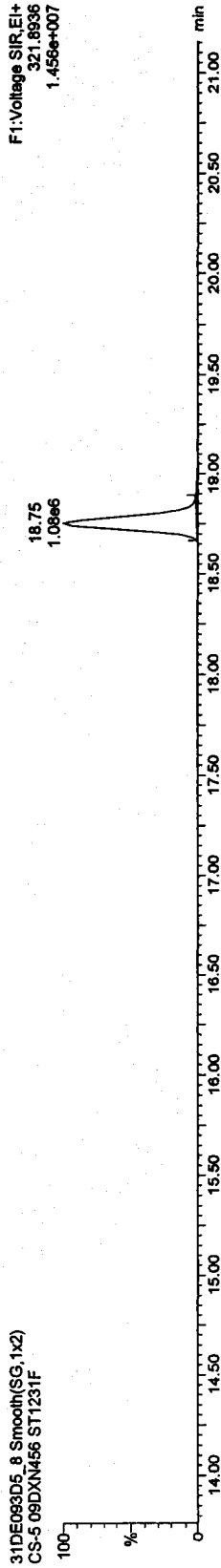
Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

TCDDs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

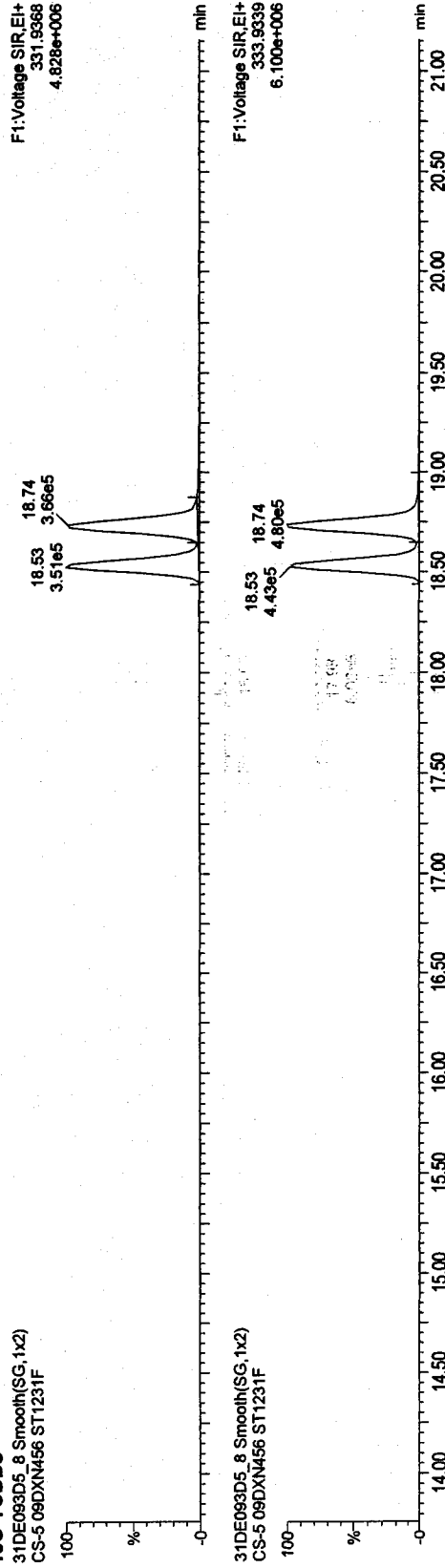


31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

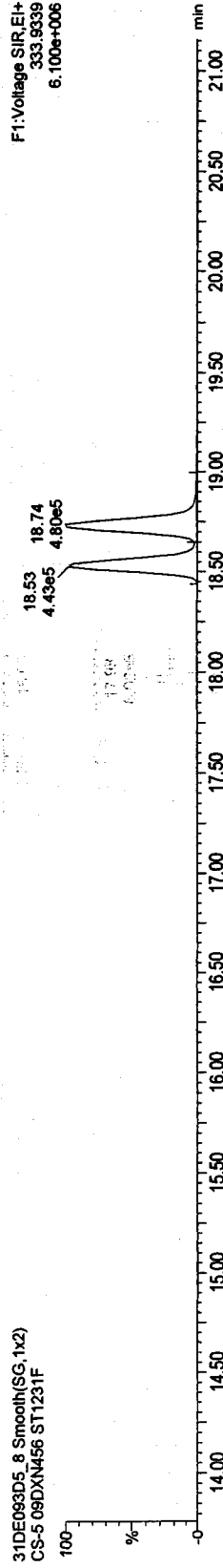


13C-TCDDs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



Quantify Sample Report MassLynx 4.1

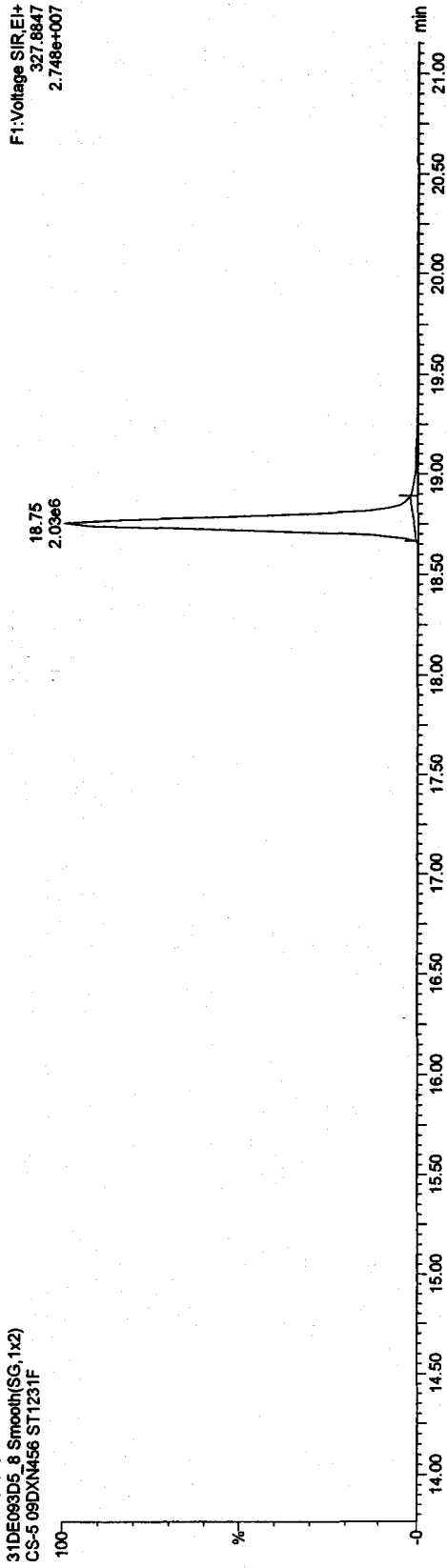
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

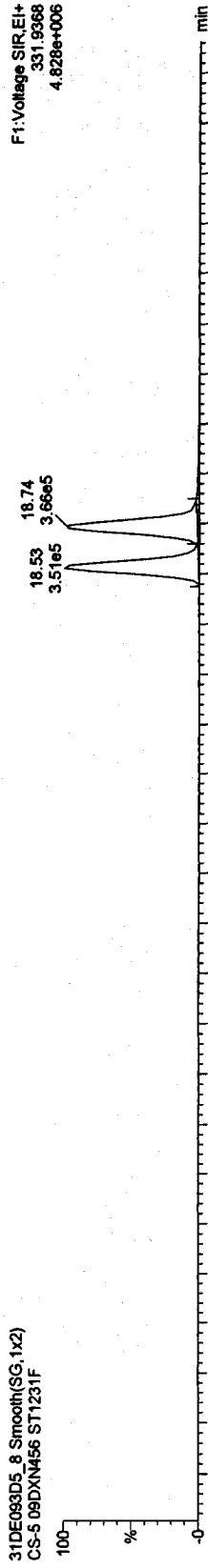
37CL-2,3,7,8-TCDD

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

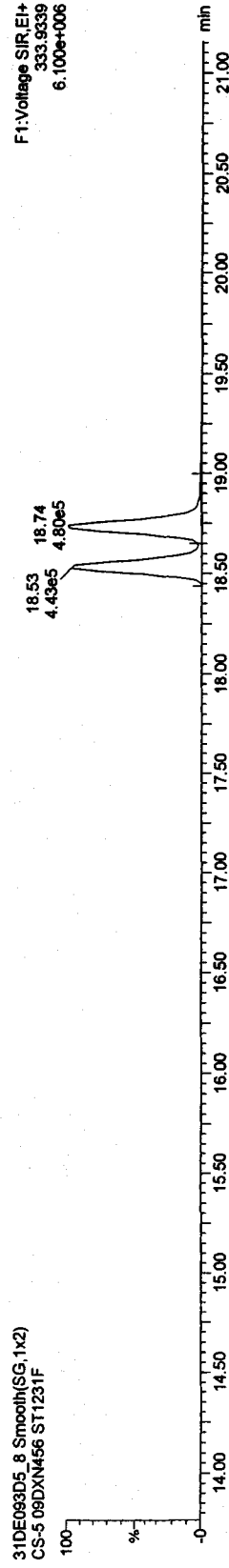


13C-TCDDs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

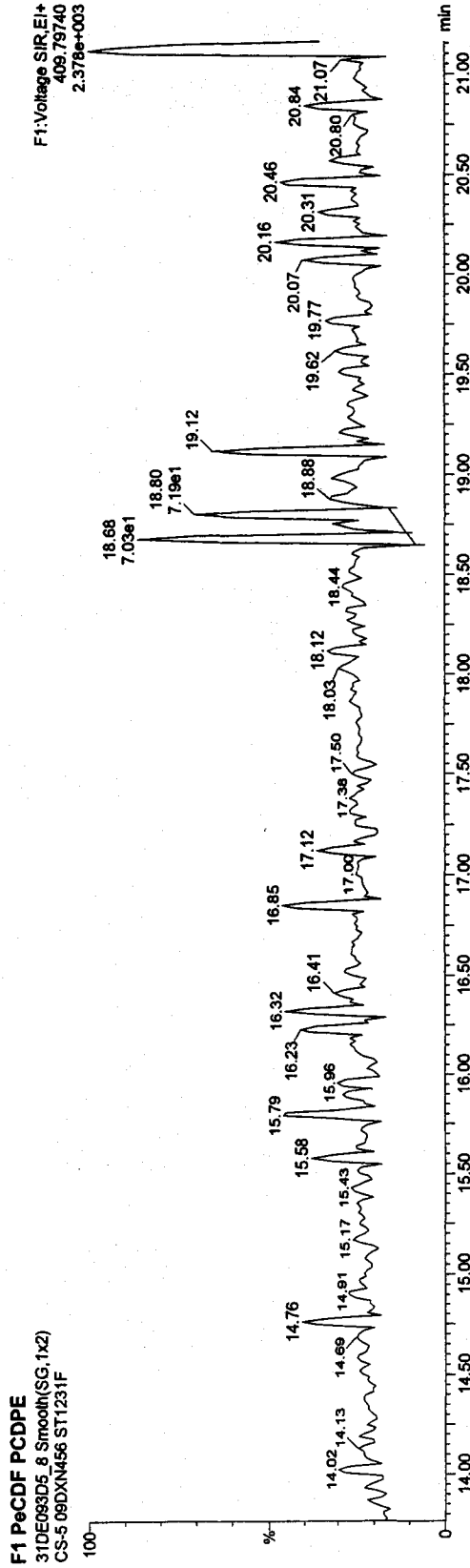
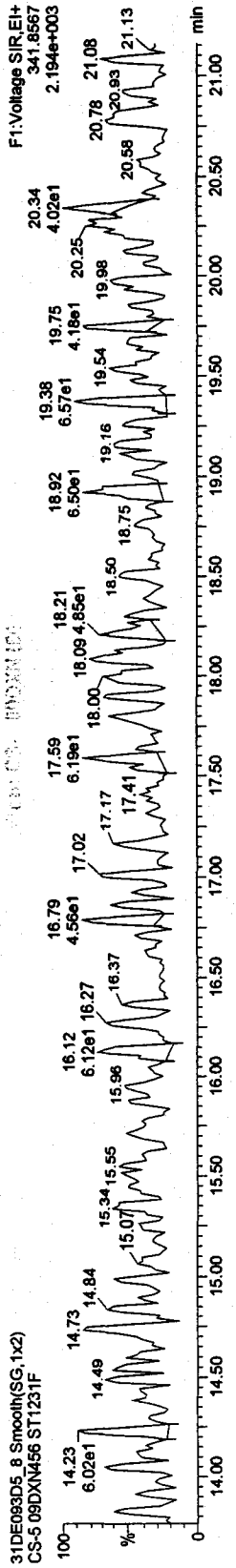
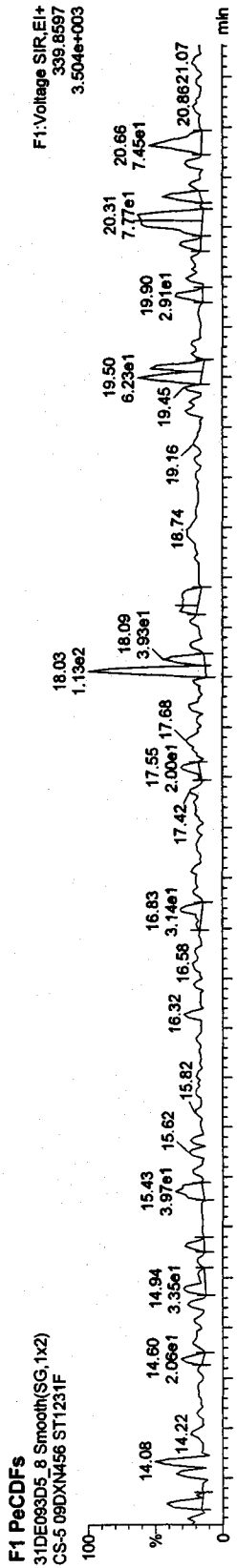


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
 Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456



Quantify Sample Report MassLynx 4.1

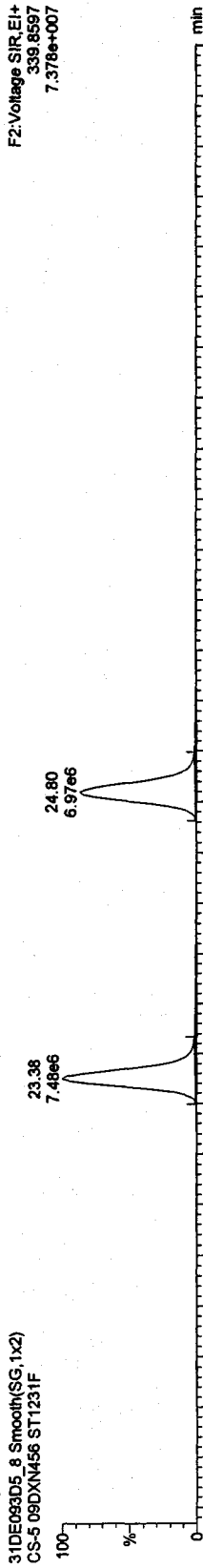
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

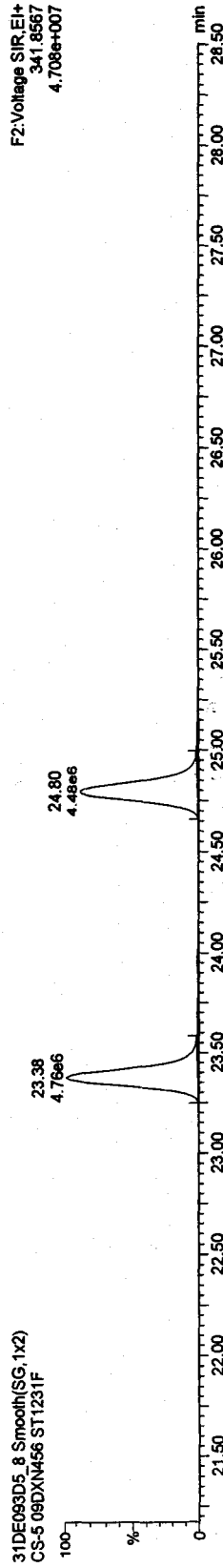
Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

PeCDFs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

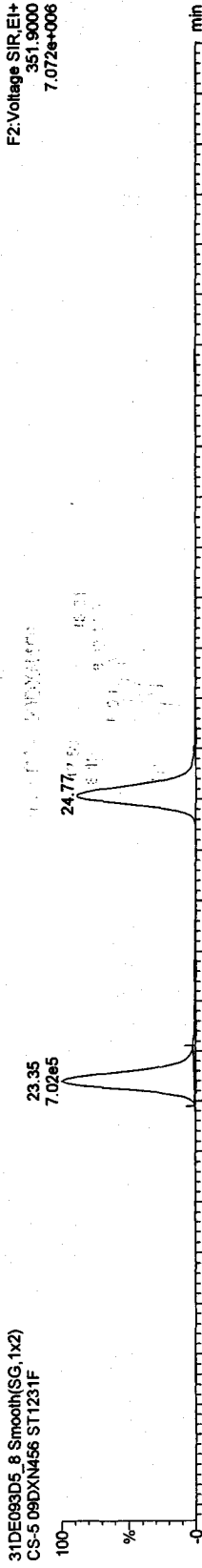


31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

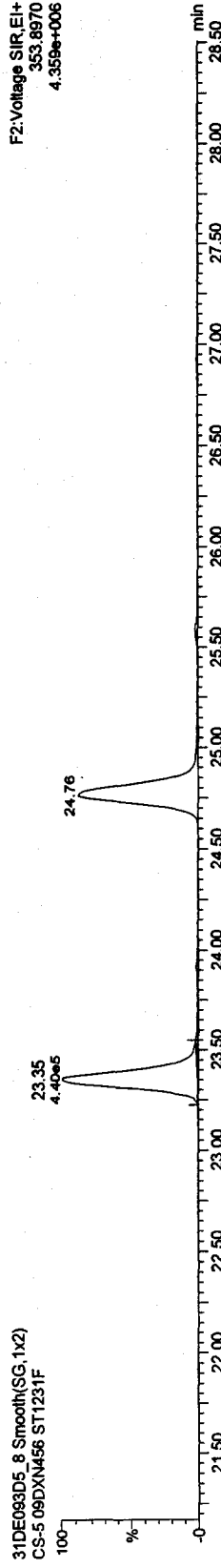


13C-PeCDFs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



Quantify Sample Report MassLynx 4.1

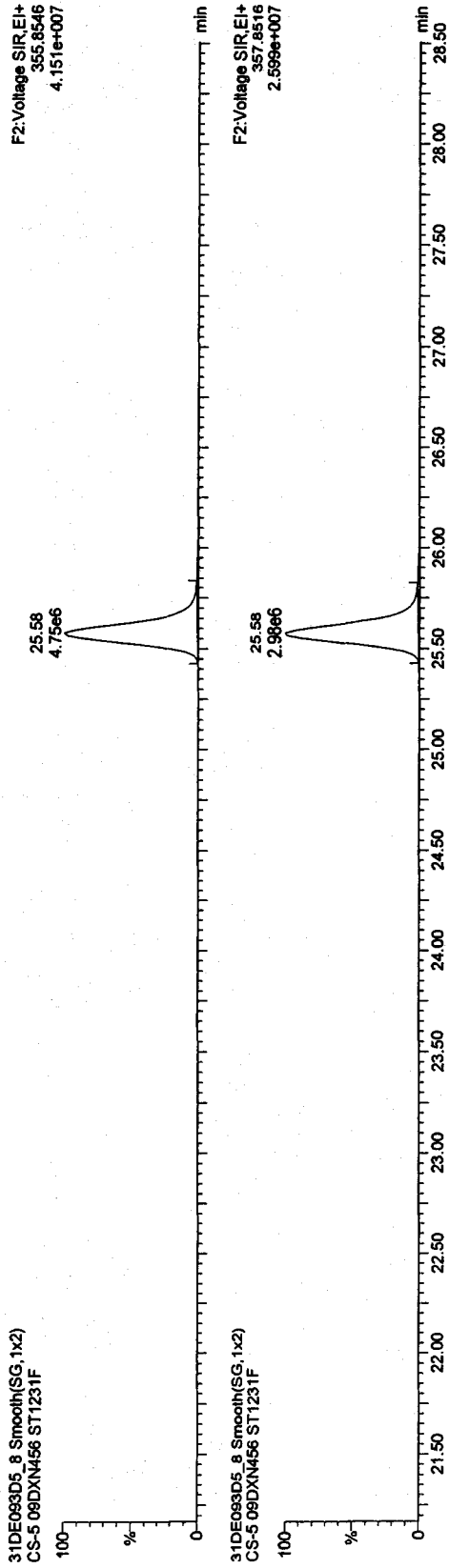
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

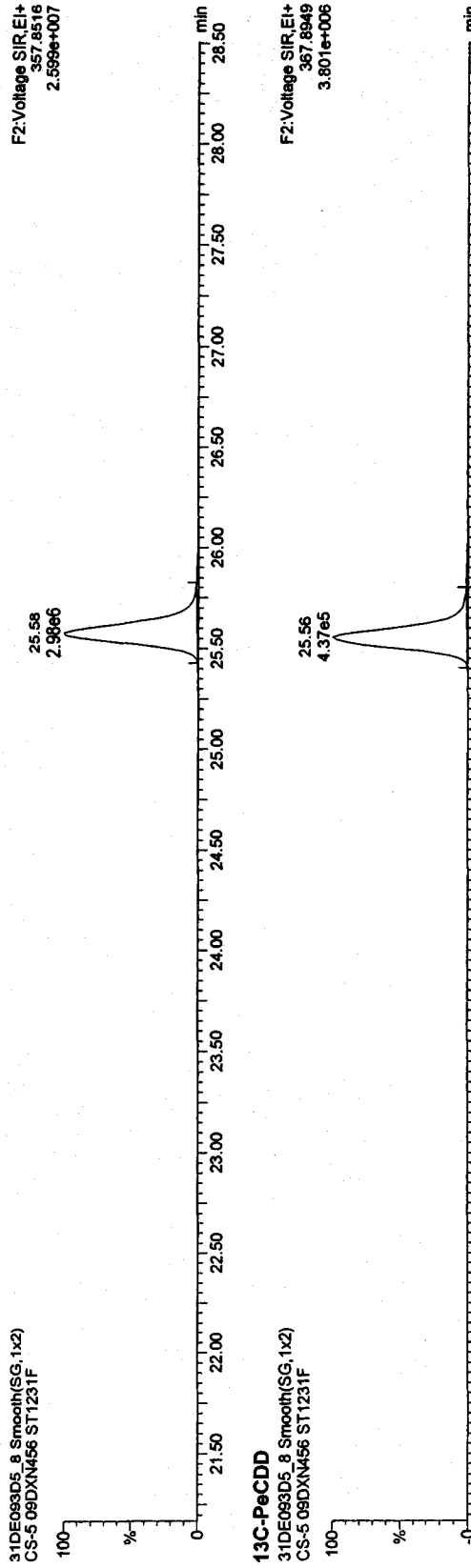
PeCDDs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F2:Voltage SIR,EI+  
355.8546  
4.151e+007

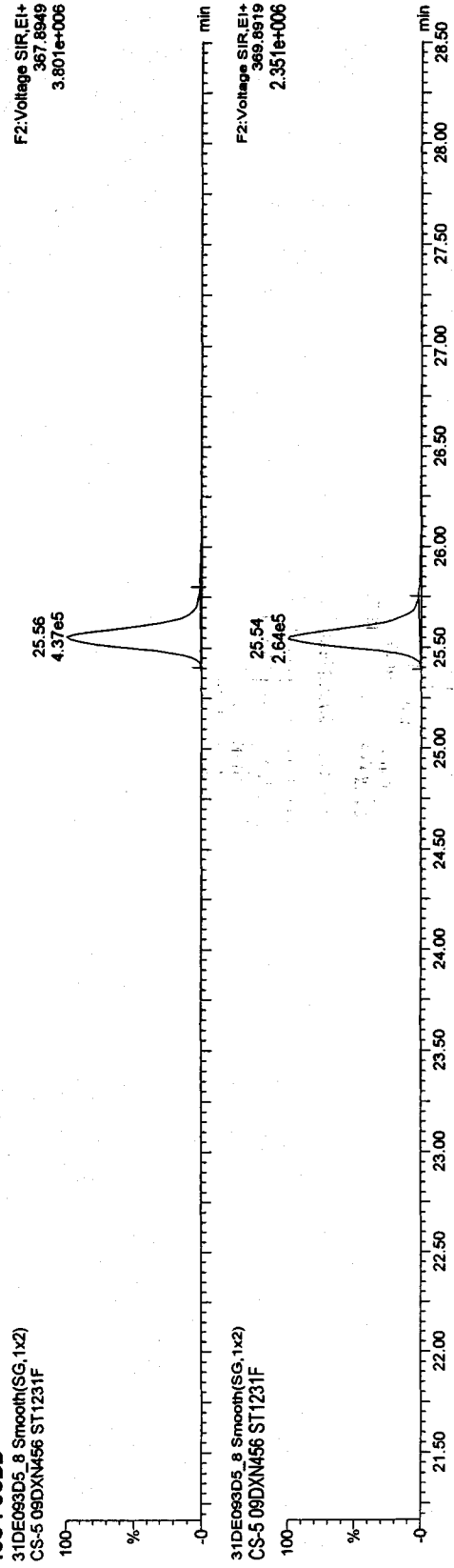
31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F2:Voltage SIR,EI+  
357.8516  
2.599e+007

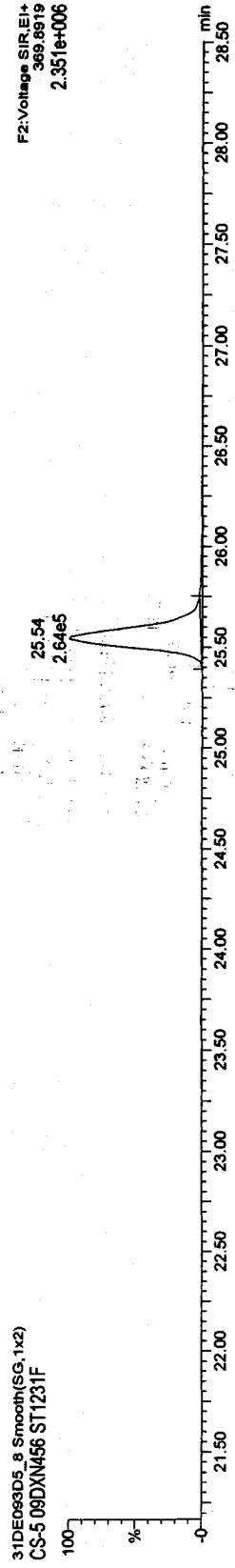
13C-PeCDD

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F2:Voltage SIR,EI+  
367.8949  
3.801e+006

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F2:Voltage SIR,EI+  
369.8919  
2.351e+006

Quantify Sample Report MassLynx 4.1

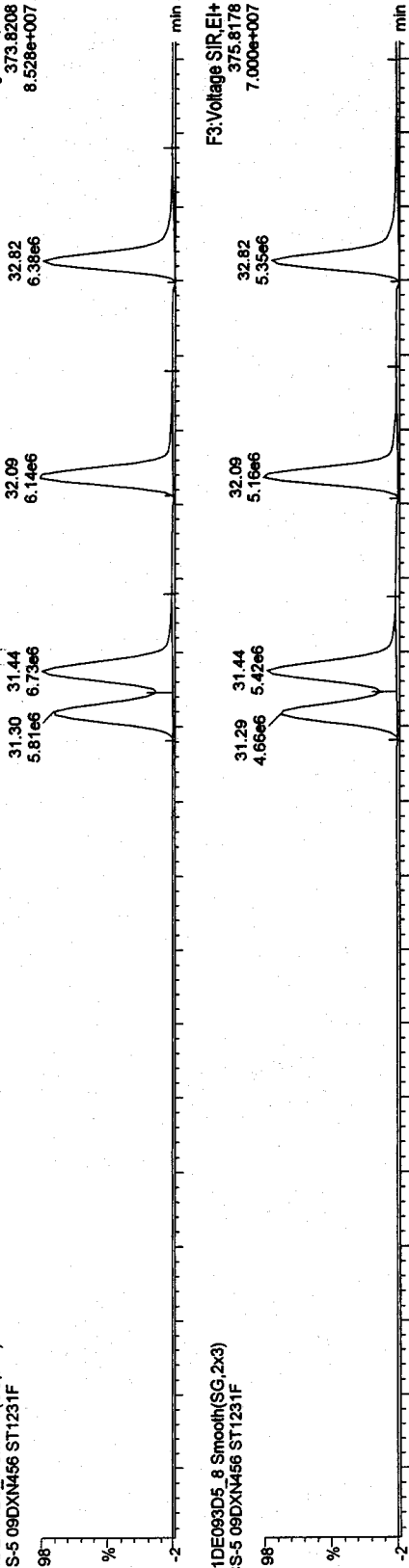
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

HxCDFs

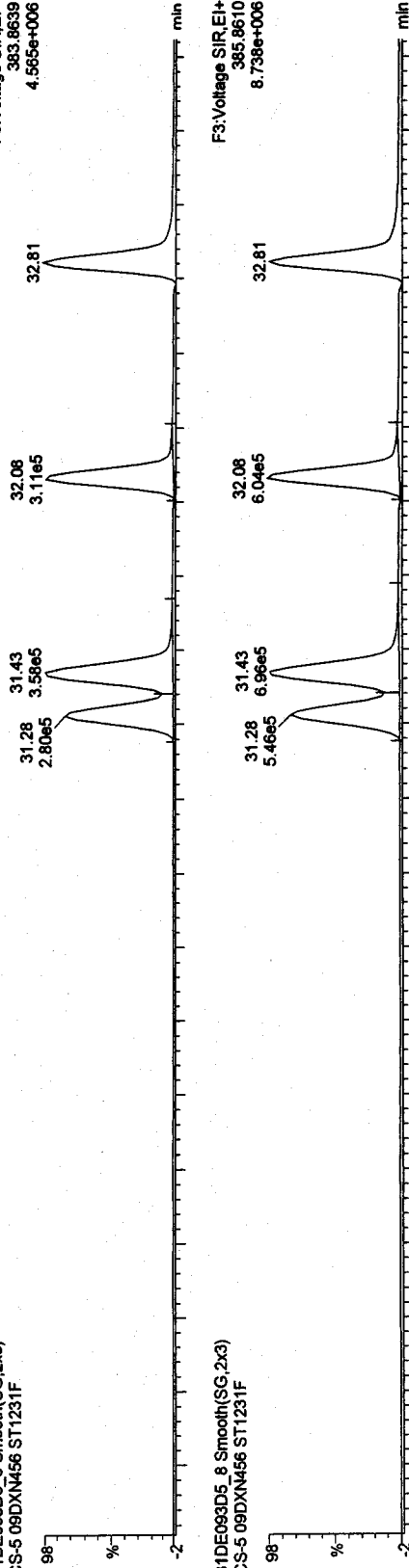
31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F

13C-HxCDFs

31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F



Quantify Sample Report MassLynx 4.1

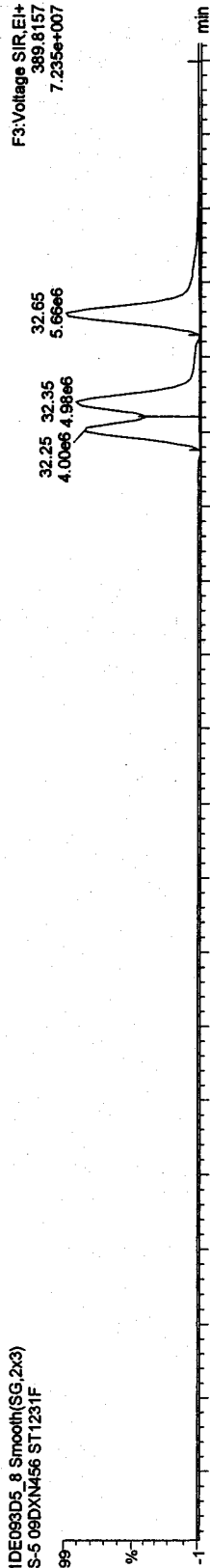
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

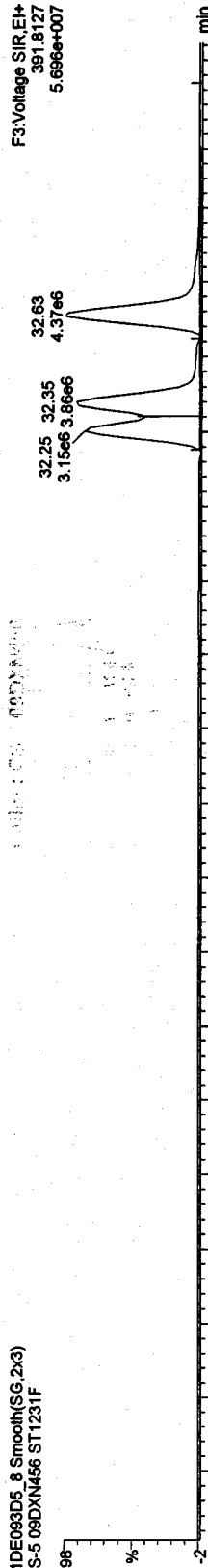
Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

HxCDDs

31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F

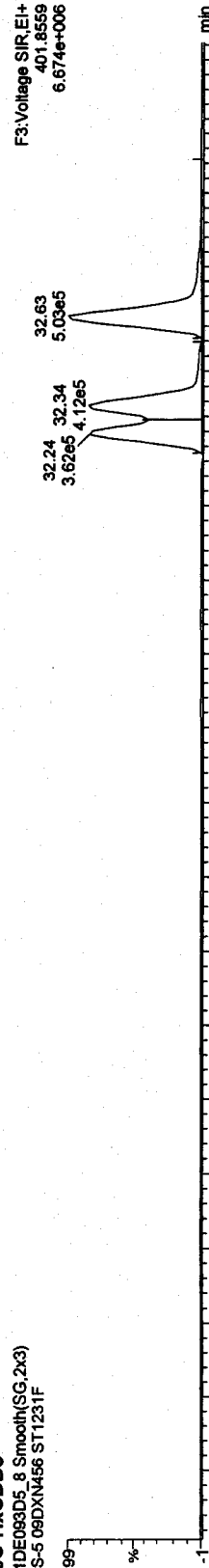


31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F

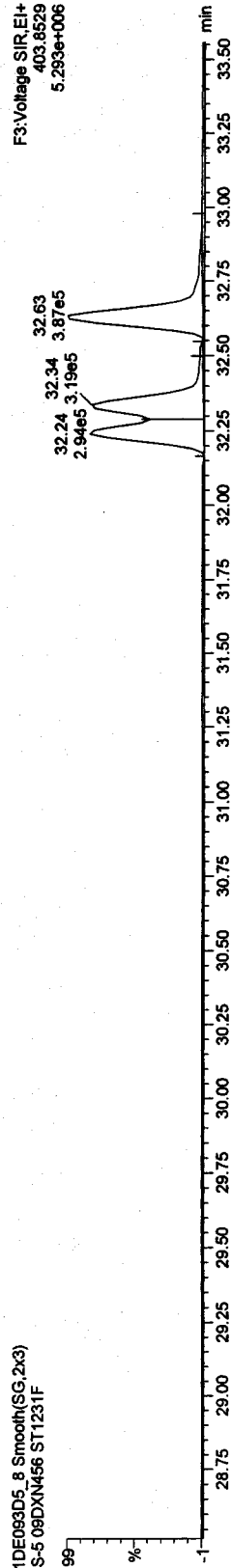


13C-HxCDDs

31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F

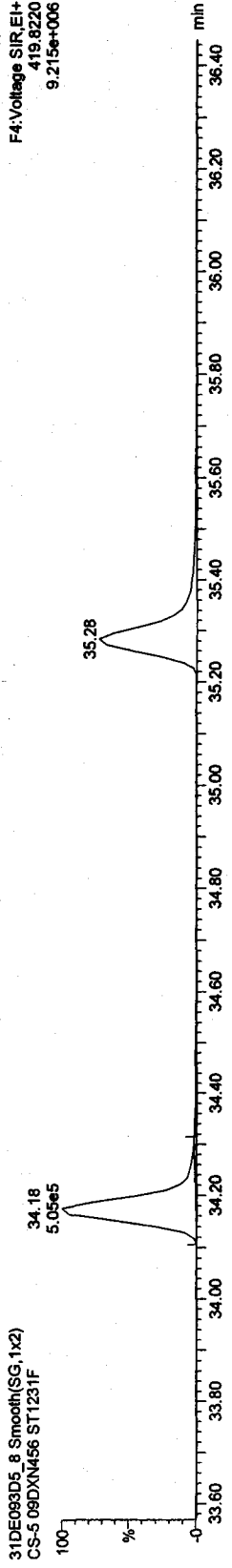
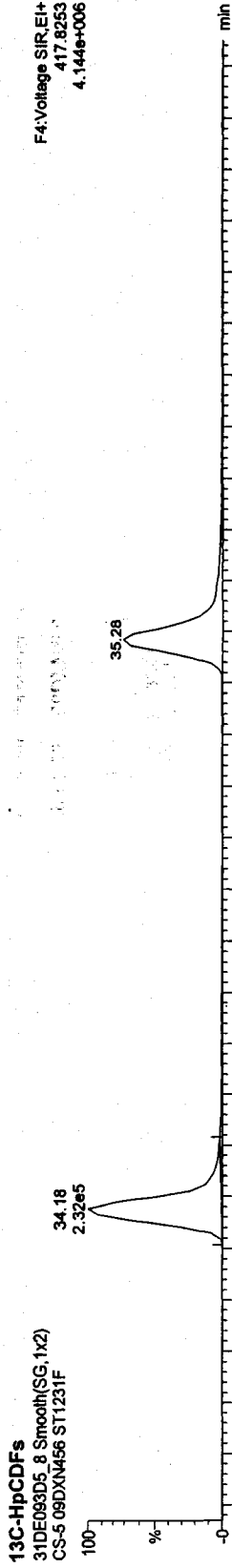
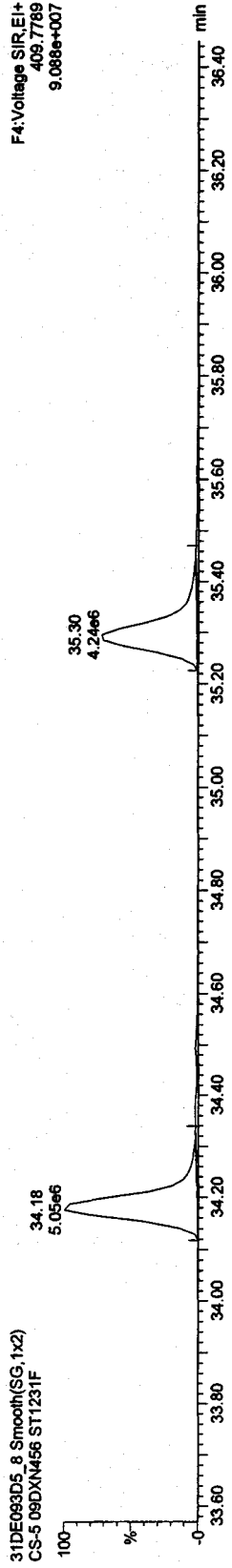
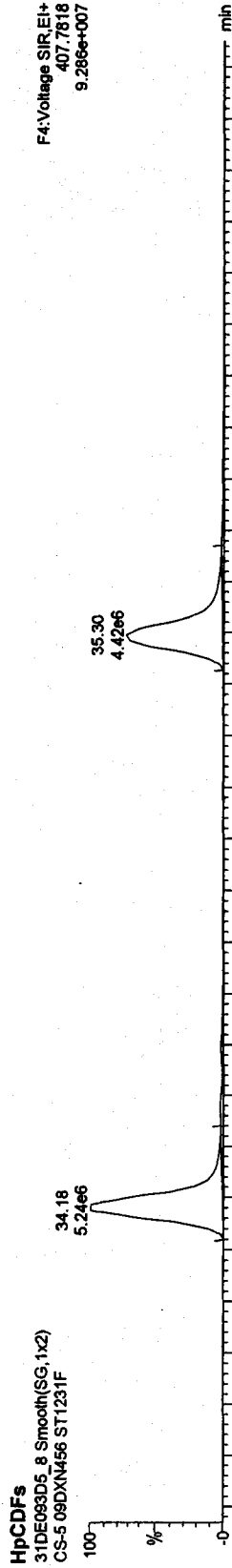


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456



Quantify Sample Report MassLynx 4.1

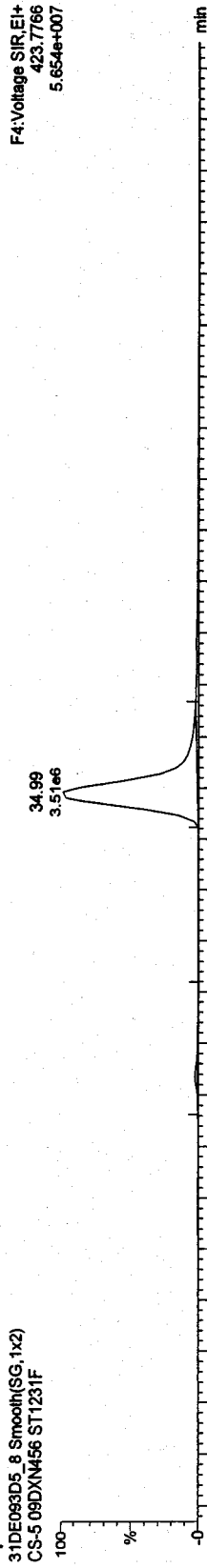
Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

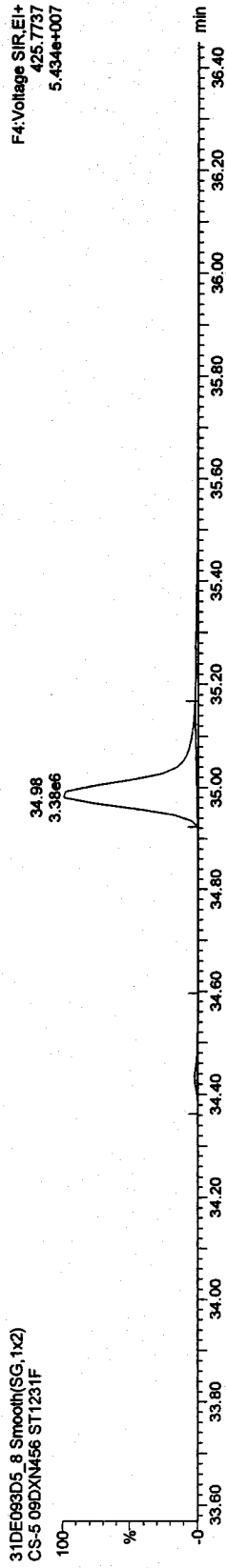
Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

HpCDDs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

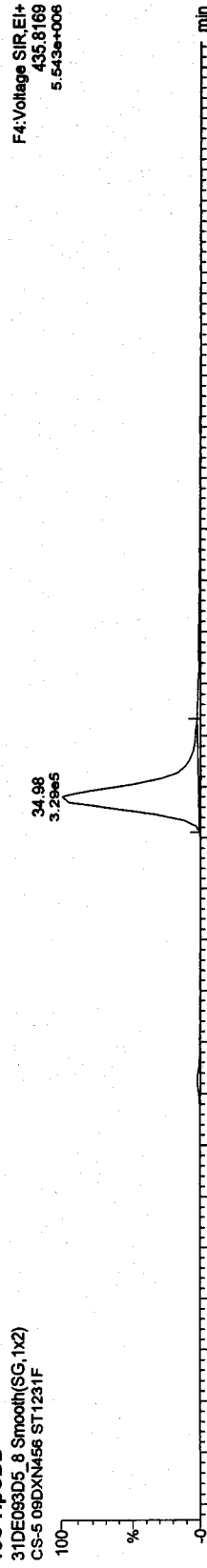


31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

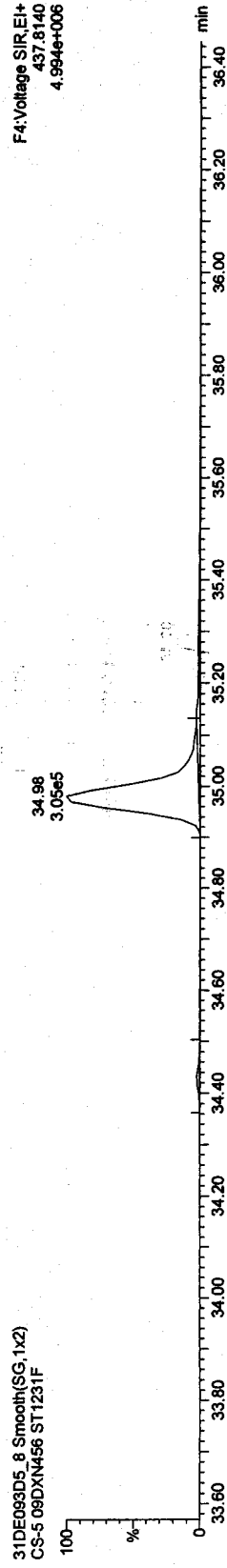


13C-HpCDD

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

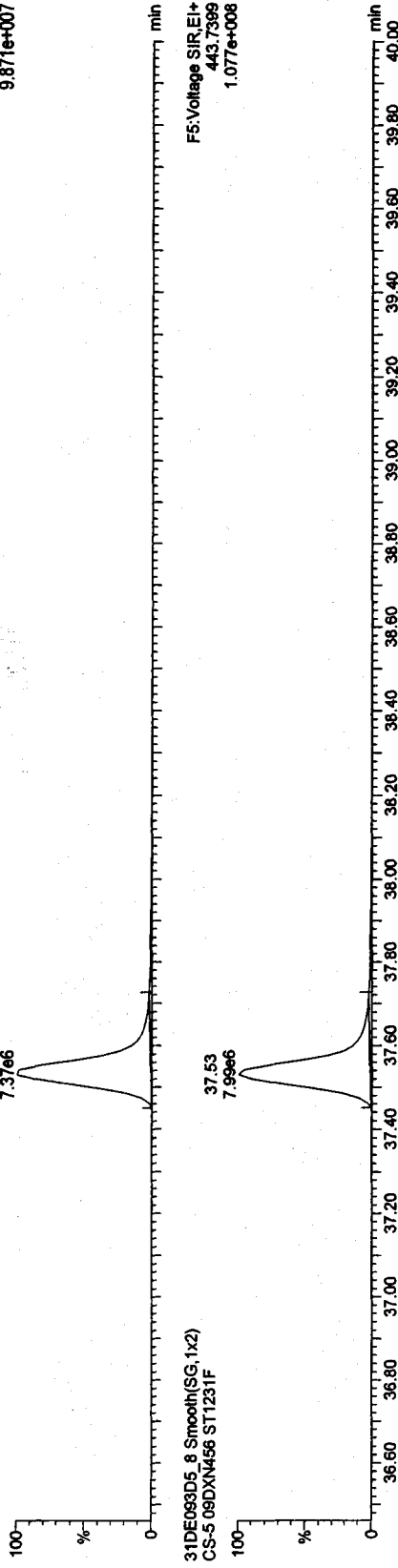
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

OCDFs

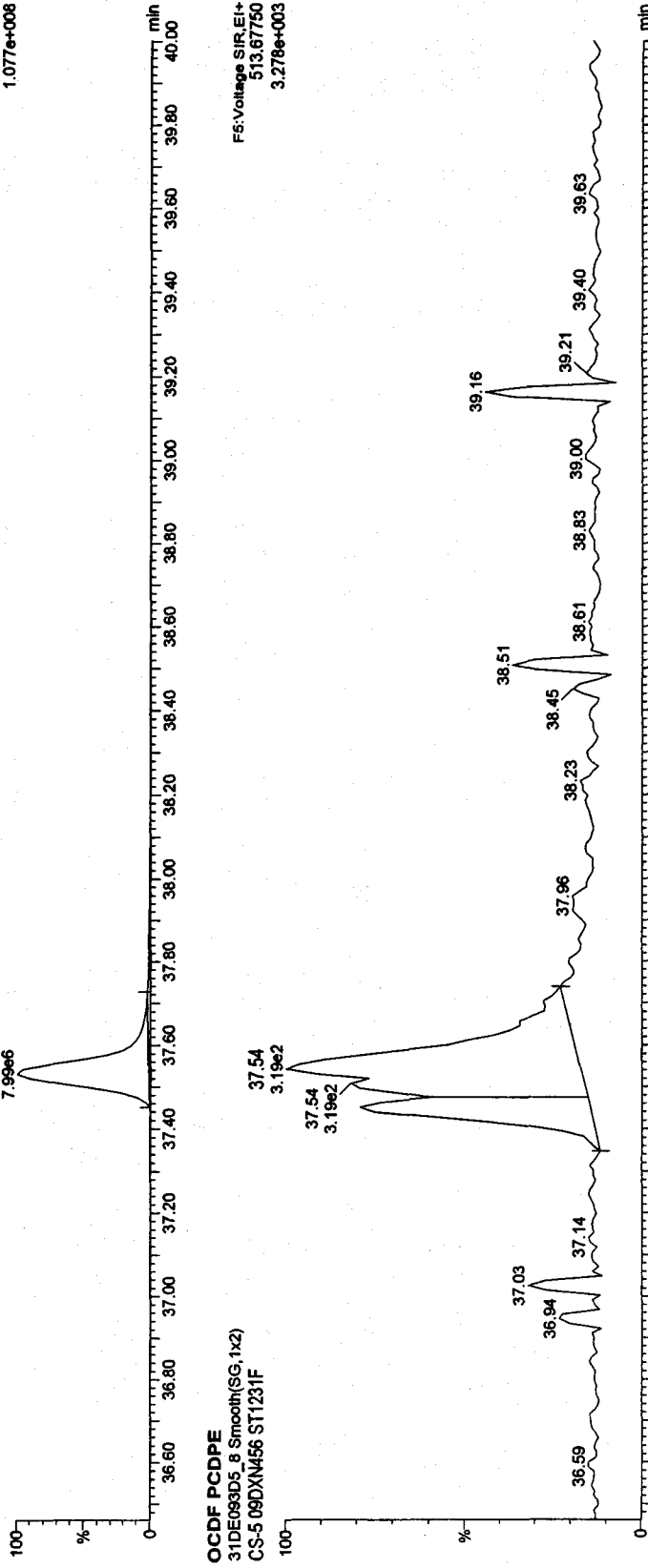
31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

F5:Voltage SIR,EI+  
441.7428  
9.871e+007



31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

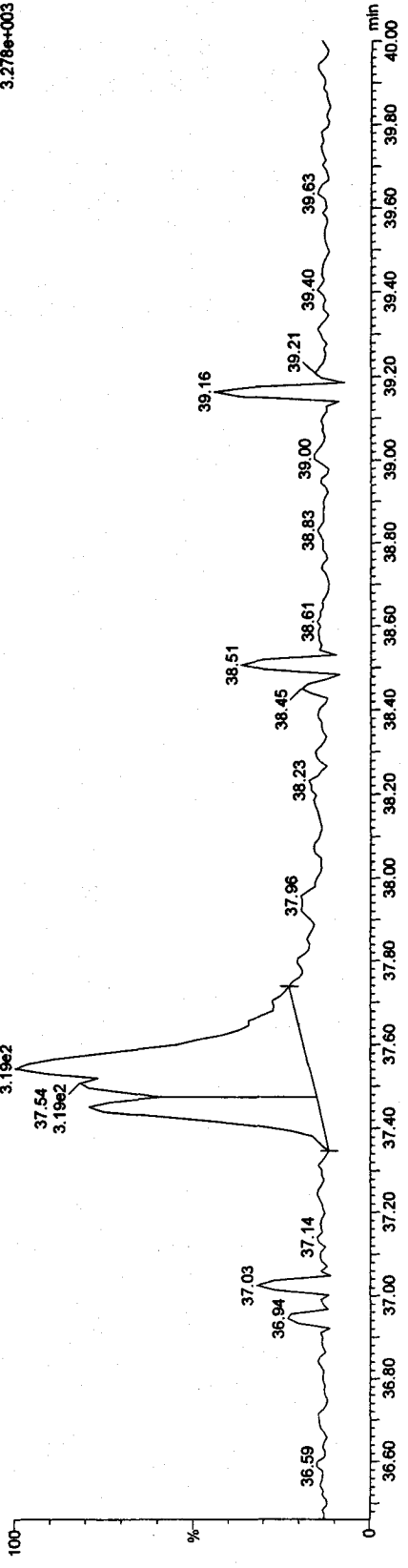
F5:Voltage SIR,EI+  
443.7399  
1.077e+008



OCDF PCDFE

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

F5:Voltage SIR,EI+  
513.67750  
3.278e+003



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

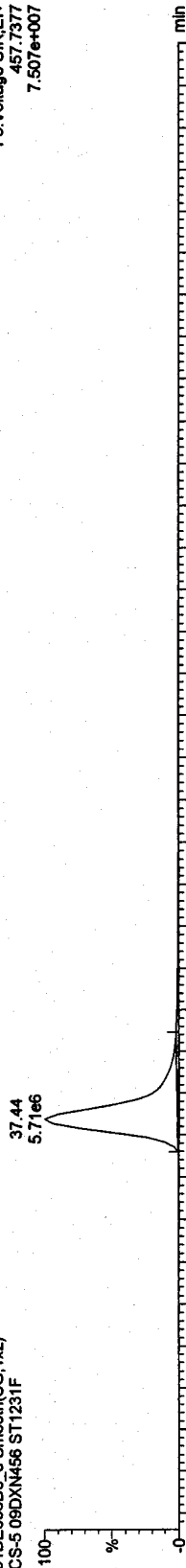
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

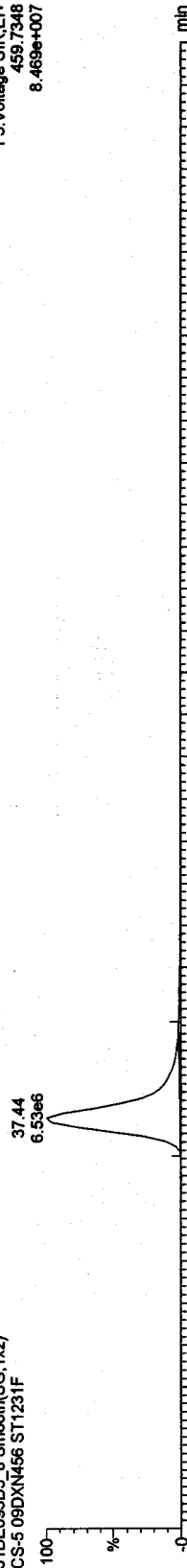
Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

OCDD

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

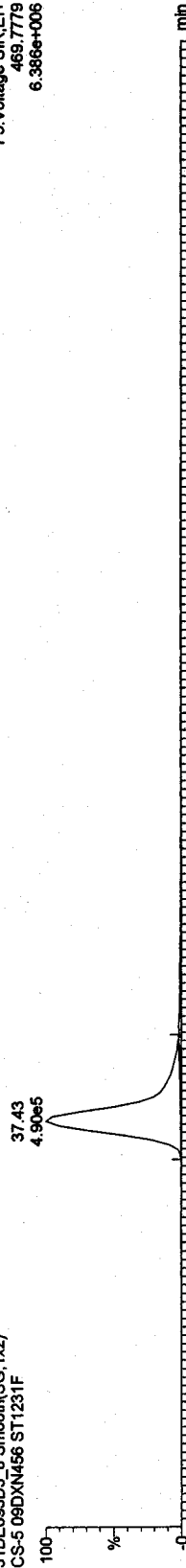


31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

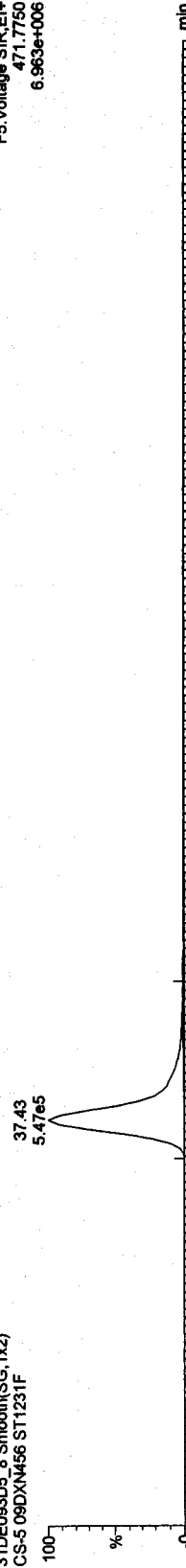


13C-OCDD

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D58290.qld

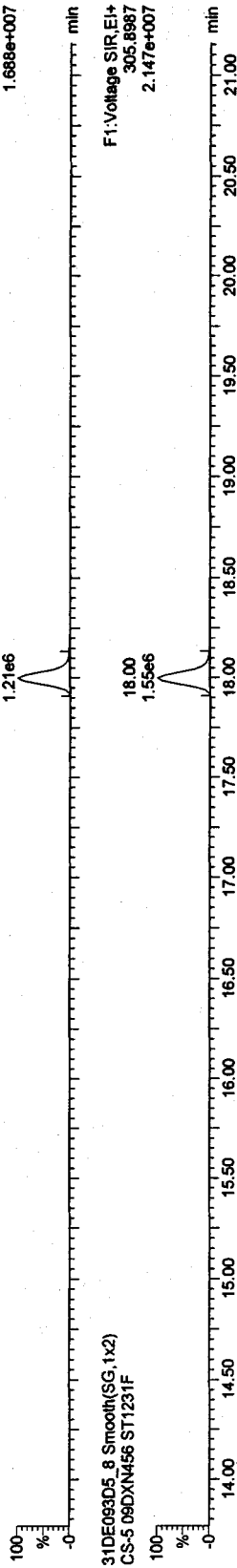
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

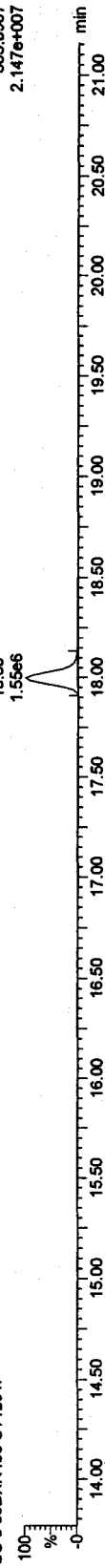
Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

TCDFs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

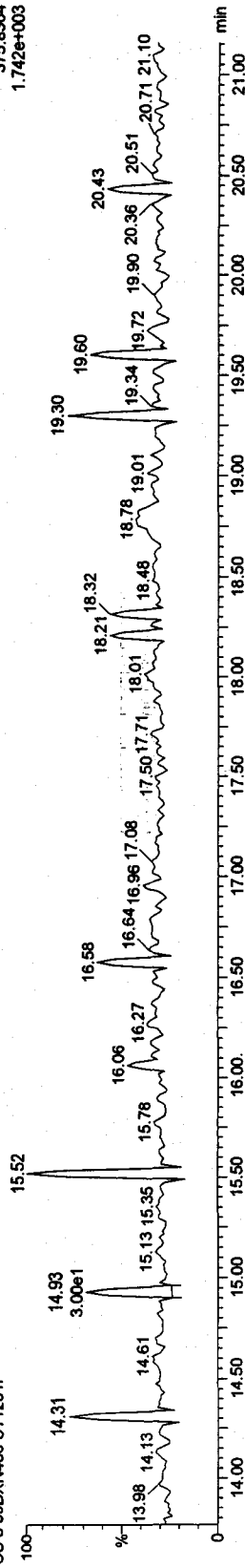


31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



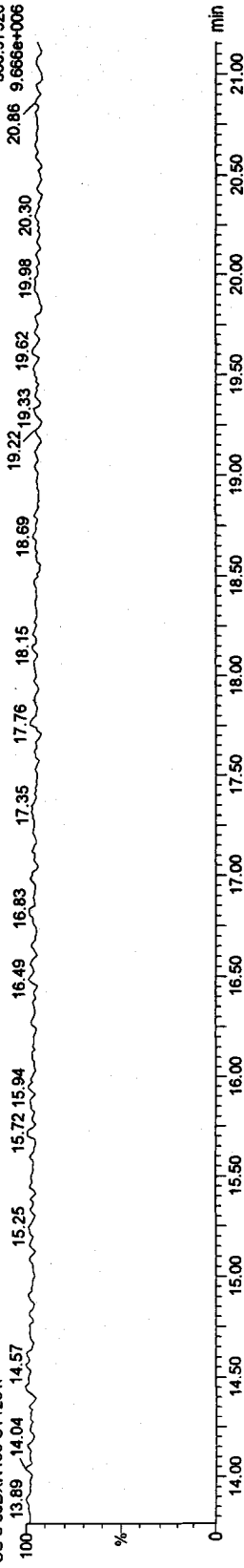
TCDF PCDPE

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



Function 1 PFK

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

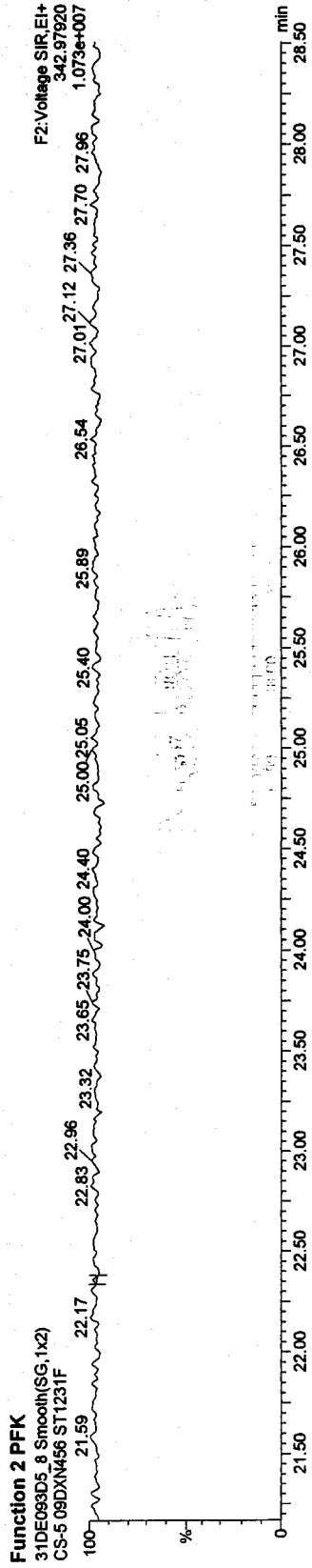
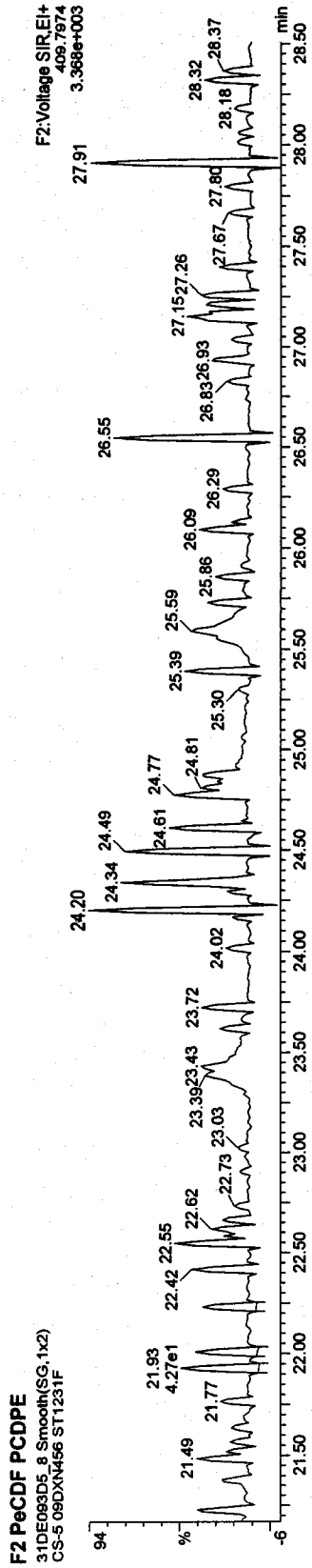
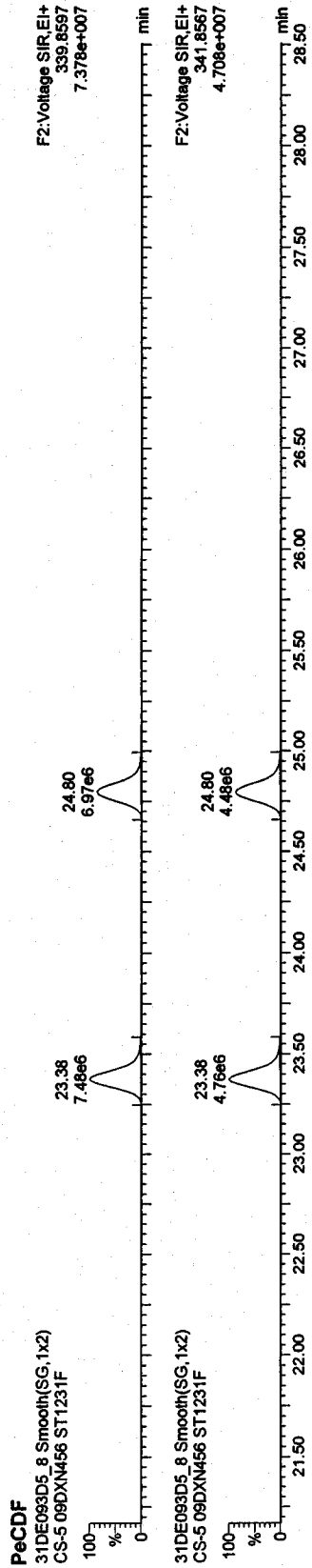


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA123120093D56290.qld

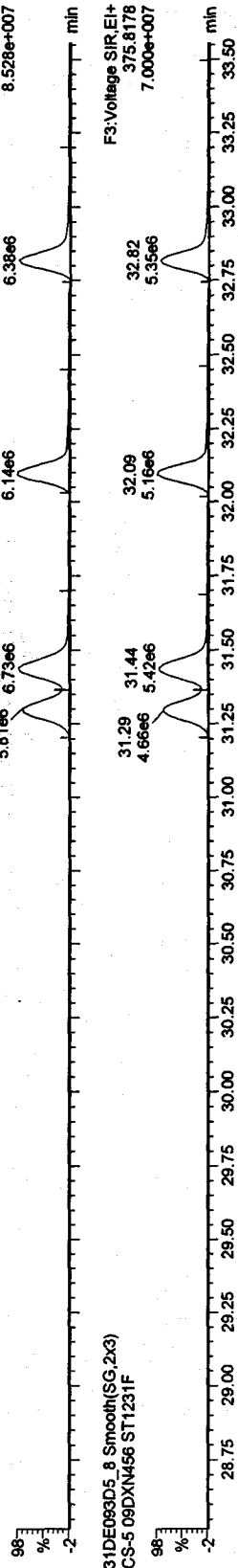
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time

Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

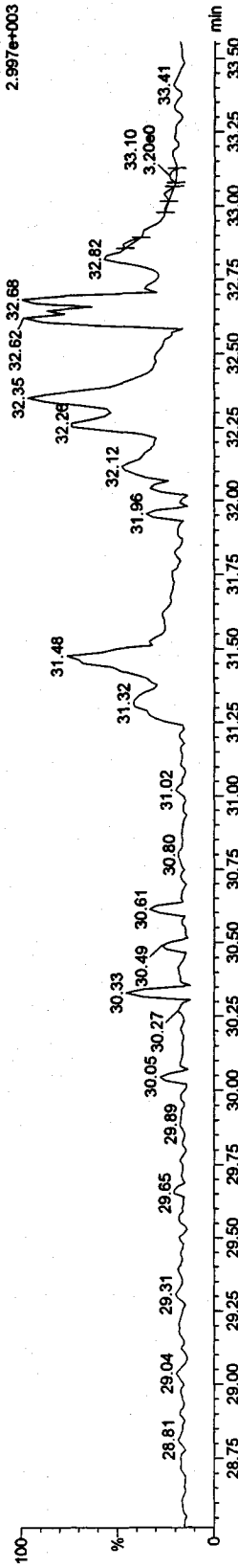
HxCDFs

31DE093D5\_8 Smooth(SG,2x3)  
CS-5 09DXN456 ST1231F



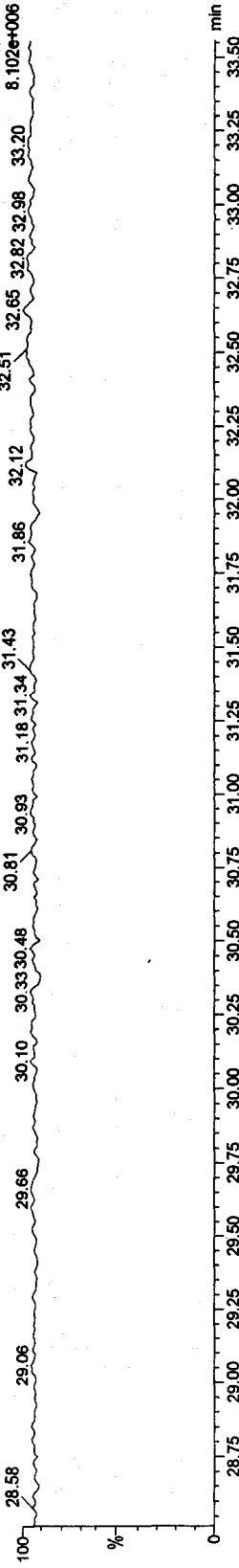
HxCDF PCDPE

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



Function 3 PFK

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F





Quantify Sample Report MassLynx 4.1

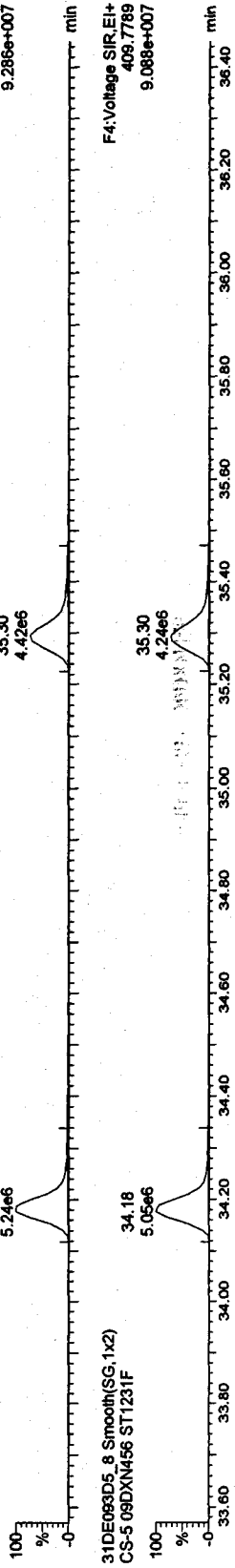
Dataset: C:\MassLynx\Default.pro\CA123120093D56290.qld

Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

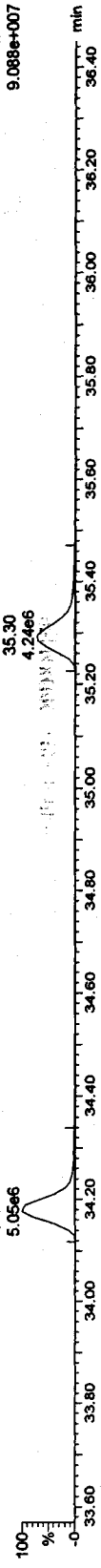
HpCDFs

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F4: Voltage SIR, EI+  
407.7618  
9.286e+007

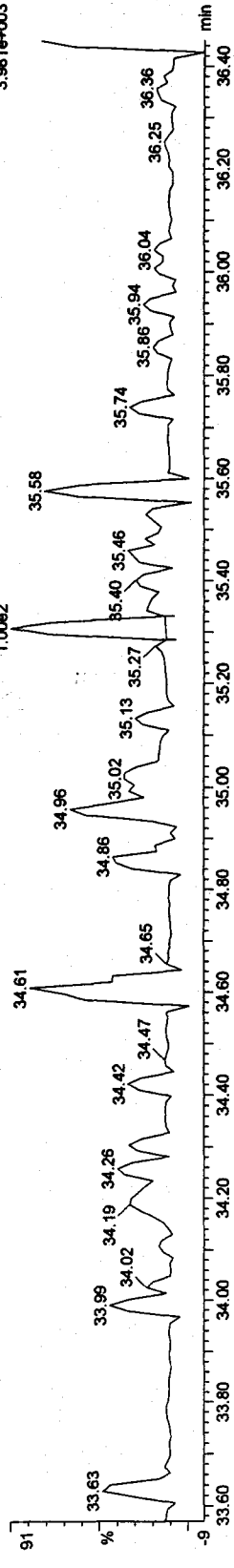
31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F4: Voltage SIR, EI+  
408.7789  
9.088e+007

HpCDF PCDPE

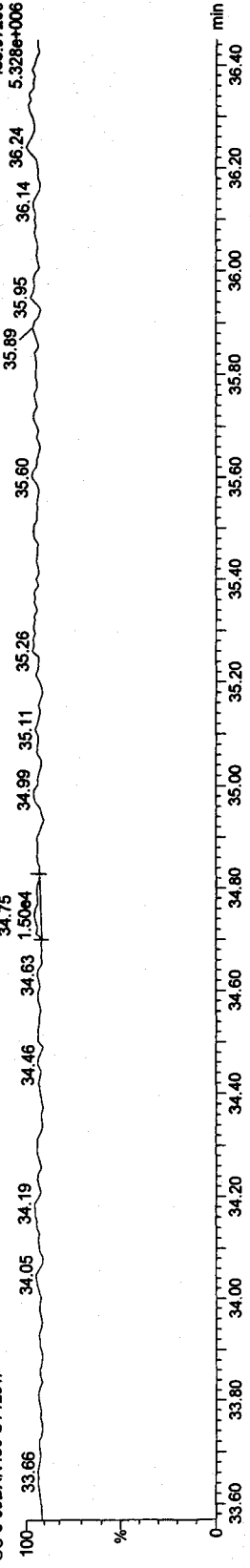
31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F4: Voltage SIR, EI+  
479.7165  
3.981e+003

Function 4 PFK

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F



F4: Voltage SIR, EI+  
430.97290  
5.328e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA123120093D58290.qld

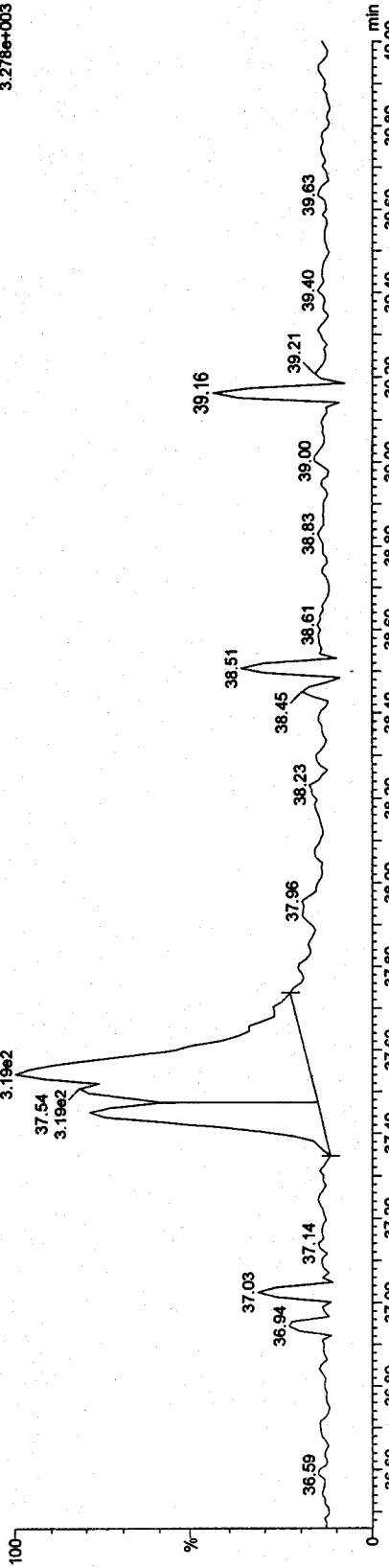
Last Altered: Thursday, December 31, 2009 13:37:23 Pacific Standard Time  
Printed: Thursday, December 31, 2009 16:49:24 Pacific Standard Time

Name: 31DE093D5\_8, Date: 31-Dec-2009, Time: 12:51:47, ID: ST1231F, Description: CS-5 09DXN456

OCDP PCDPE

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

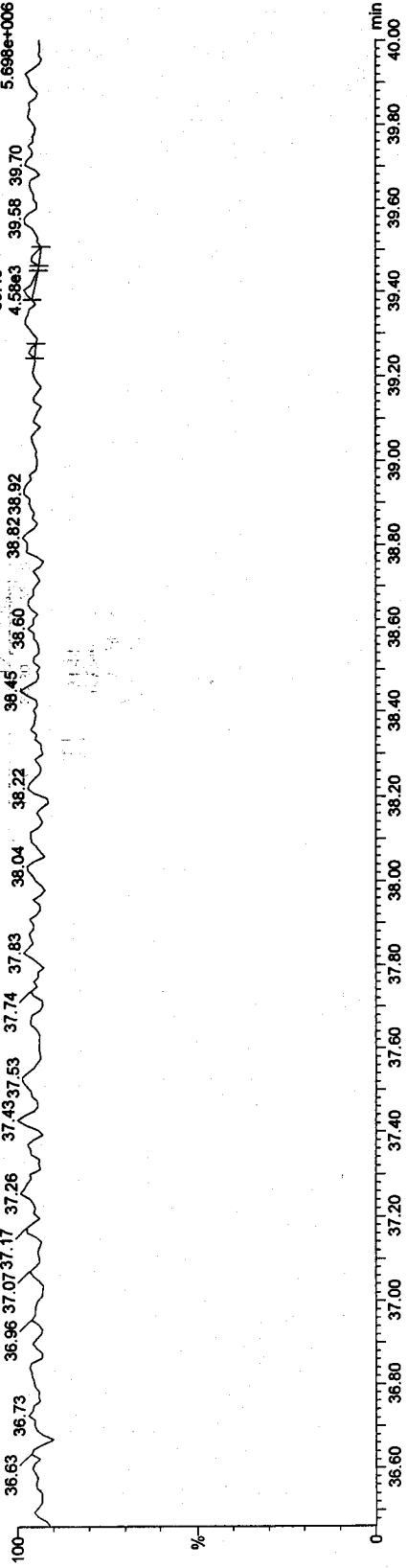
F5:Voltage SIR,EI+  
513.67750  
3.278e+003



Function 5 PFK

31DE093D5\_8 Smooth(SG,1x2)  
CS-5 09DXN456 ST1231F

F5:Voltage SIR,EI+  
442.97280  
5.696e+006



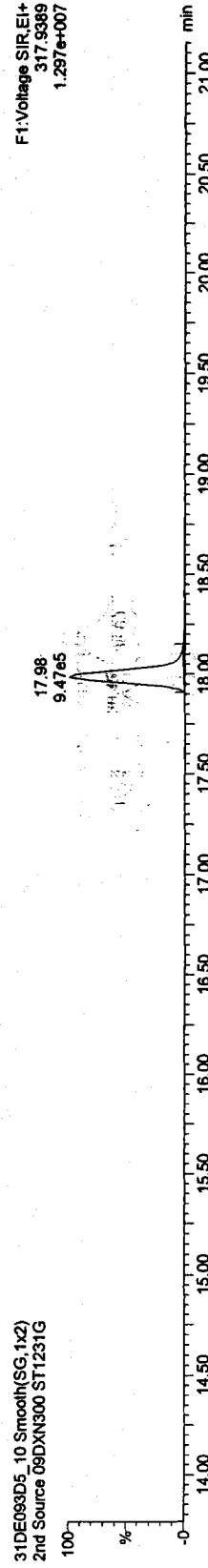
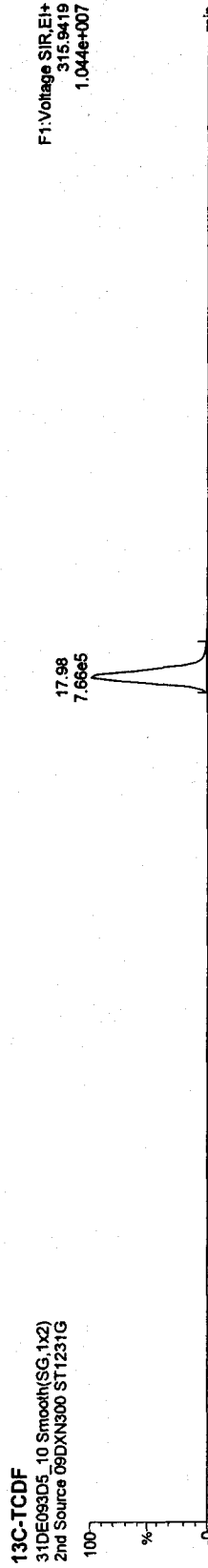
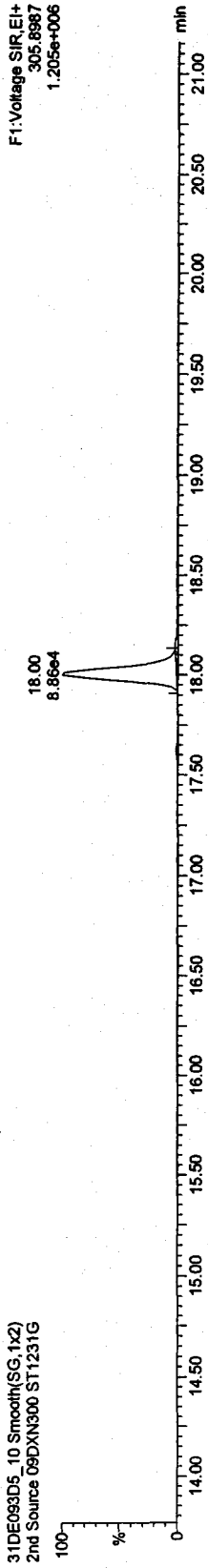
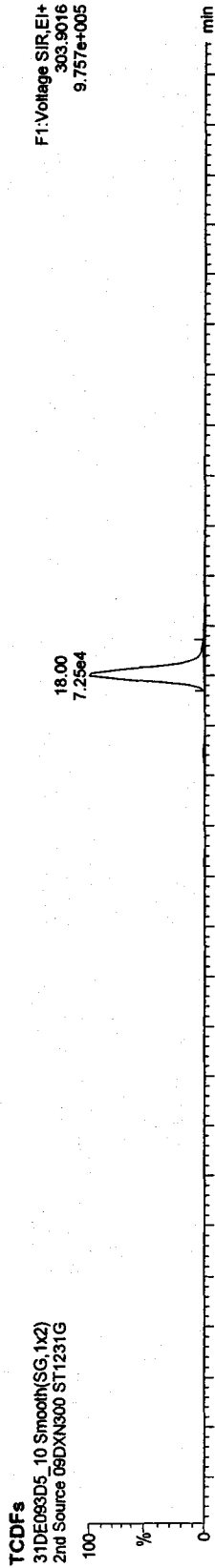
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Method: C:\MassLynx\Default.Pro\MethDB\16133D5.mdb 04 Jan 2010 10:11:47  
Calibration: C:\MassLynx\Default.Pro\CurveDB\ICA123120093D51613.cdb 04 Jan 2010 10:06:26

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300



Quantify Sample Report MassLynx 4.1

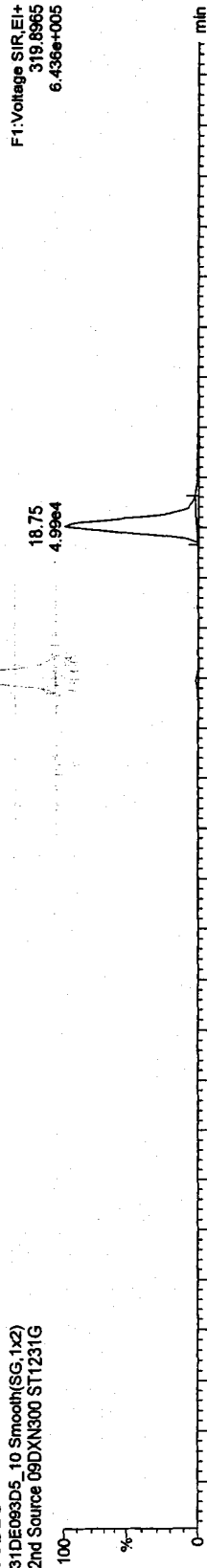
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

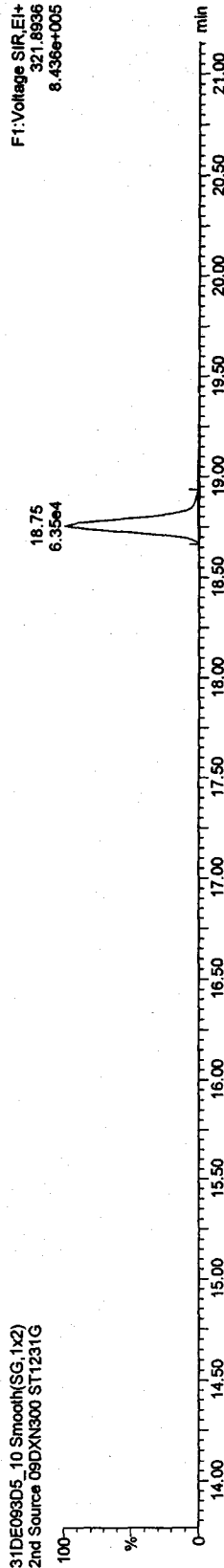
Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

TCDDs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

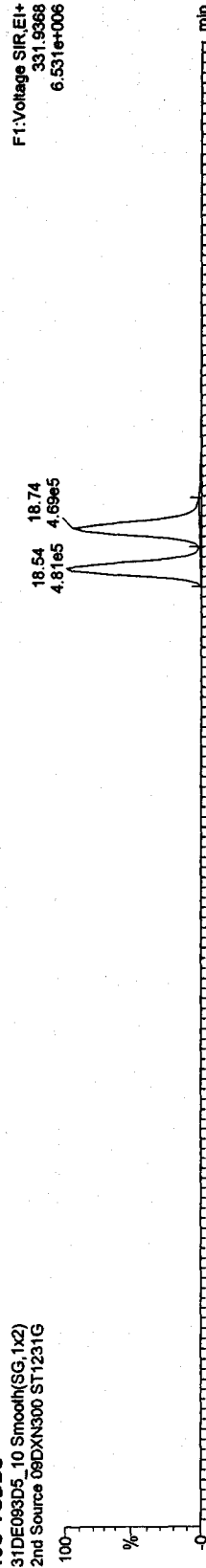


31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

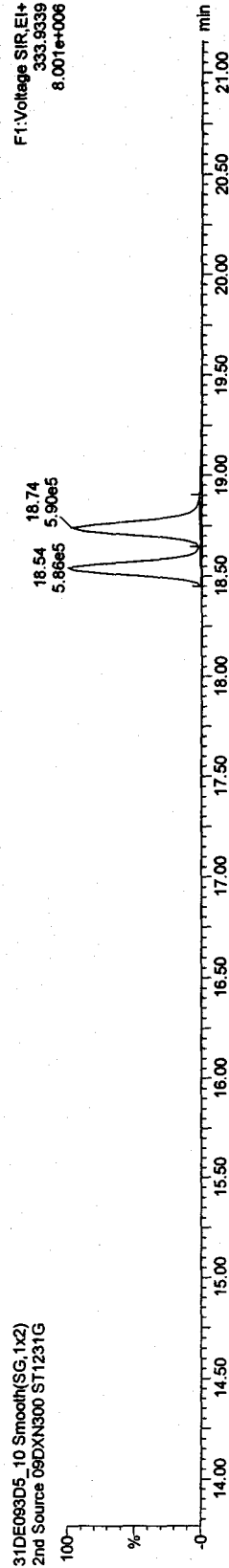


13C-TCDDs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



Quantify Sample Report MassLynx 4.1

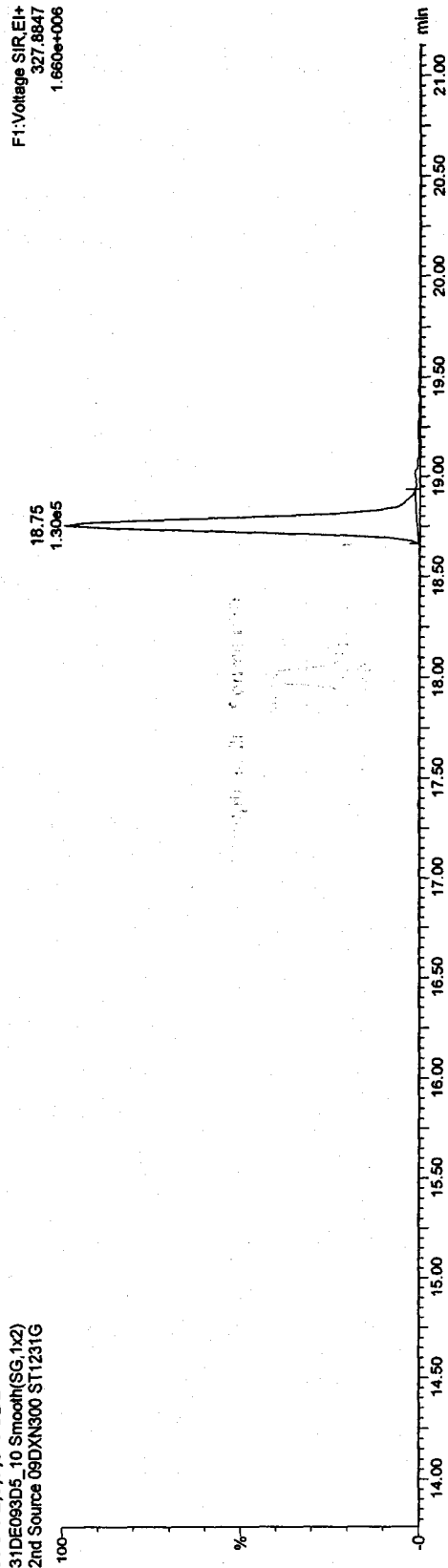
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

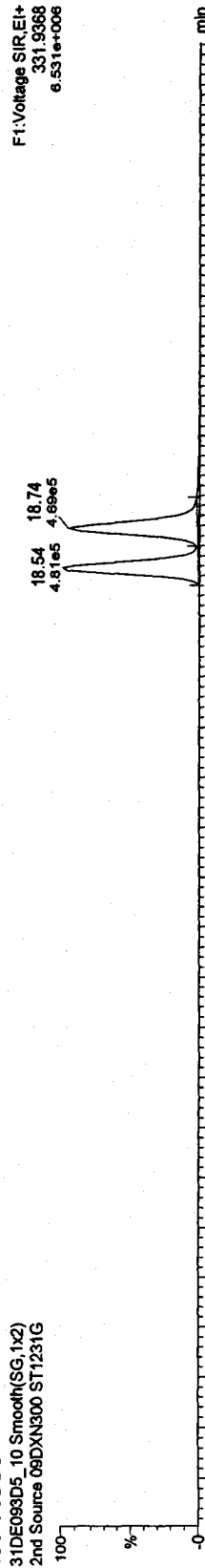
37CL-2,3,7,8-TCDD

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

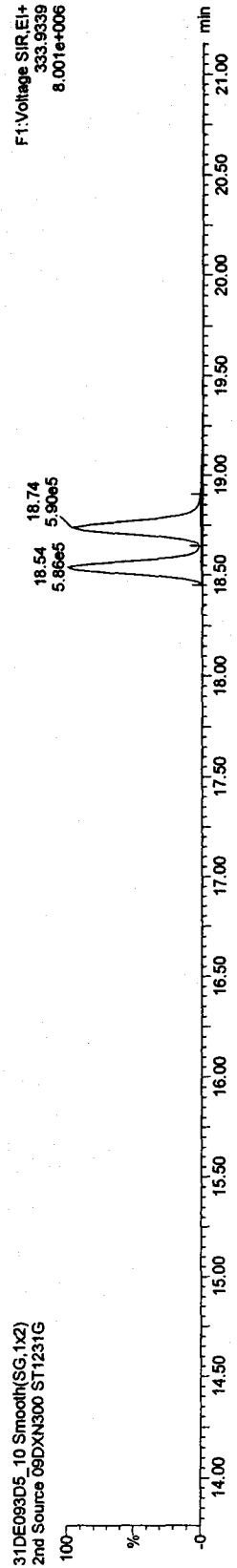


13C-TCDDs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

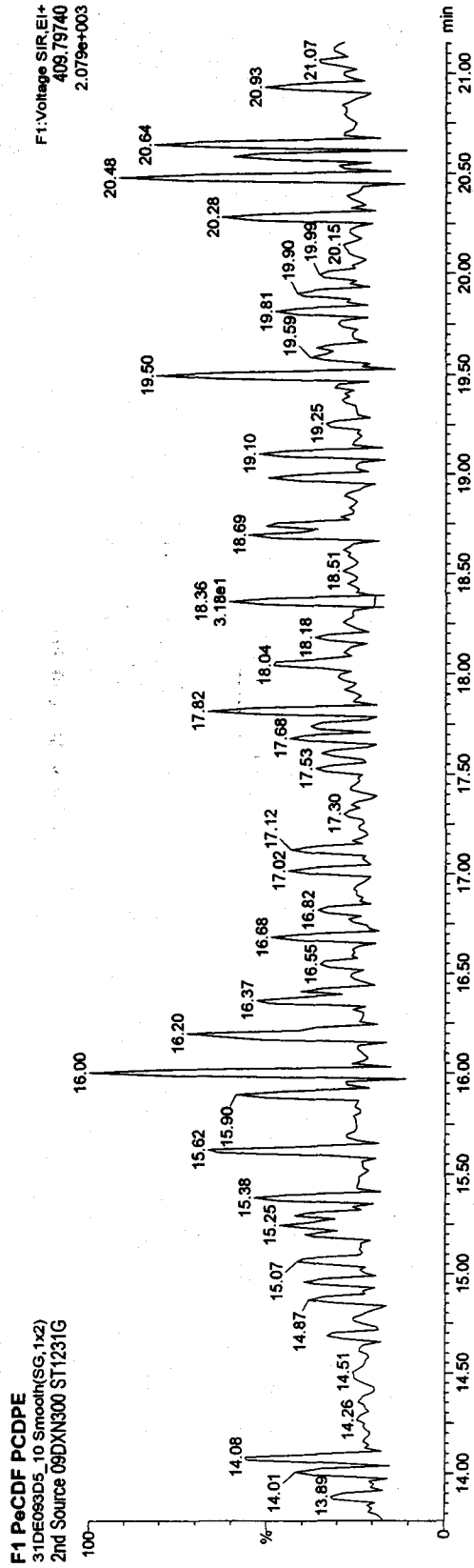
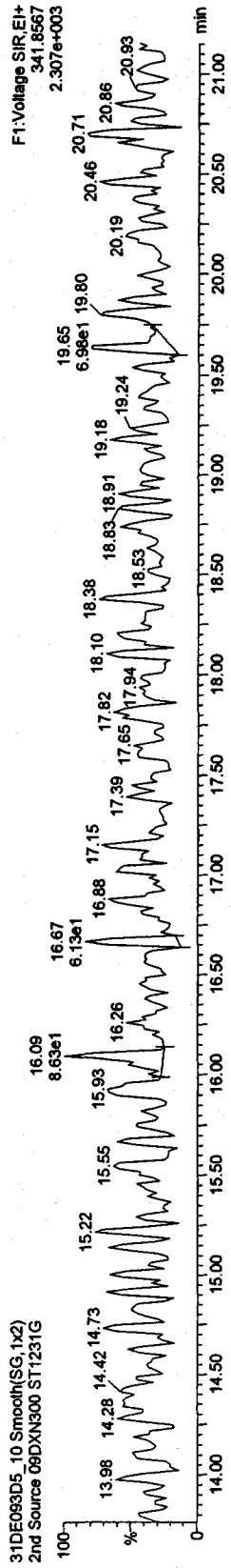
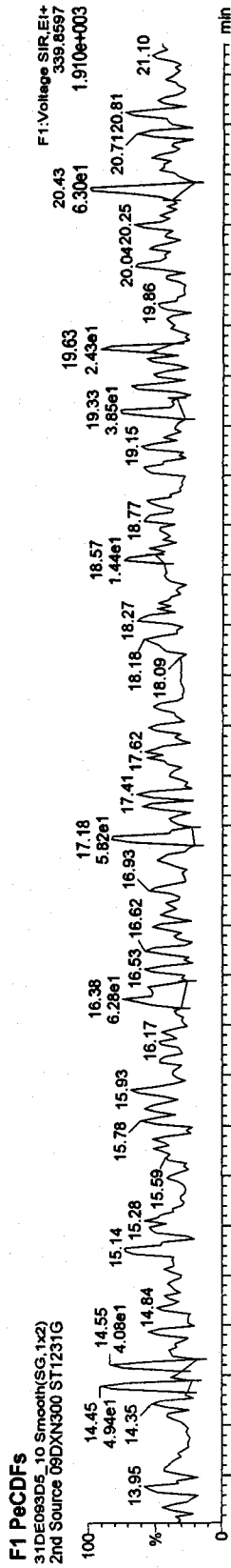


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynxDefault.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300



Quantify Sample Report MassLynx 4.1

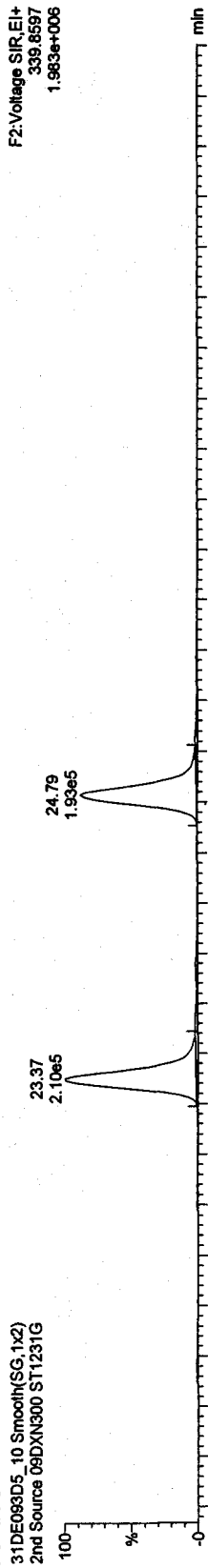
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

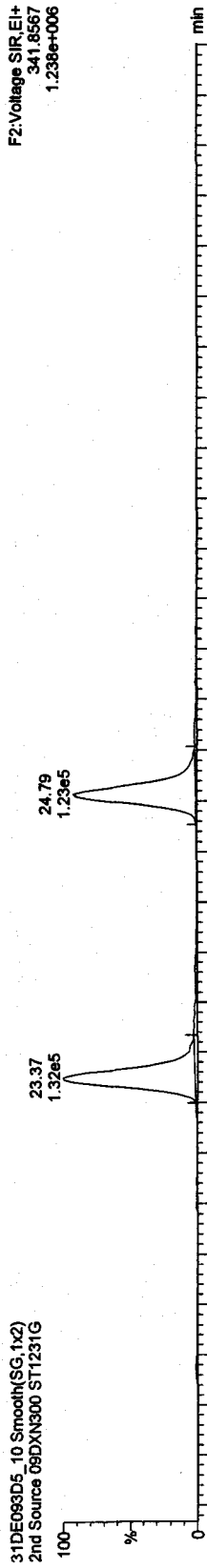
Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

PeCDFs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

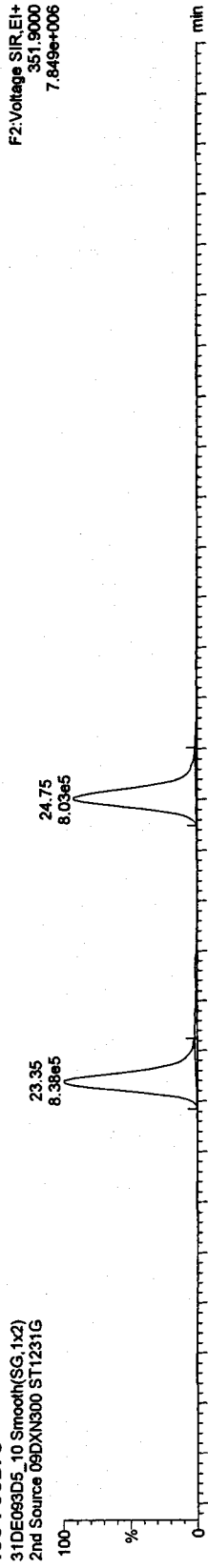


31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

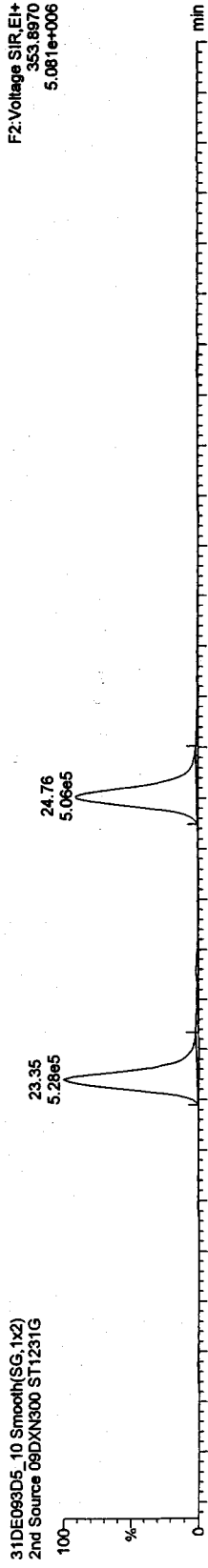


13C-PeCDFs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

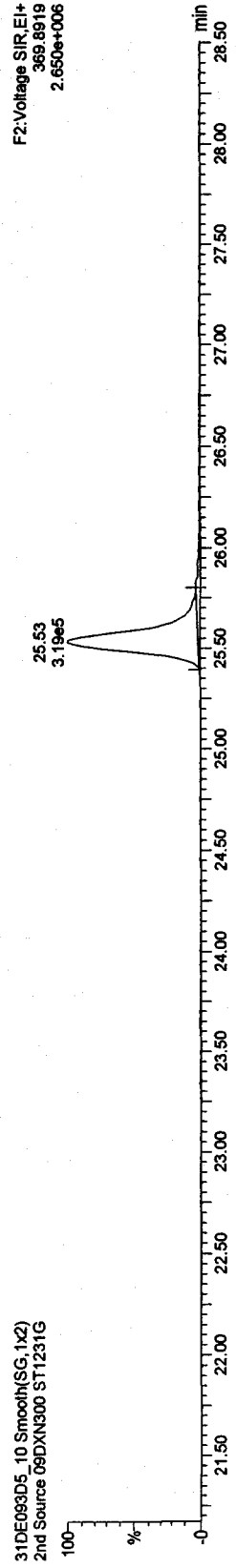
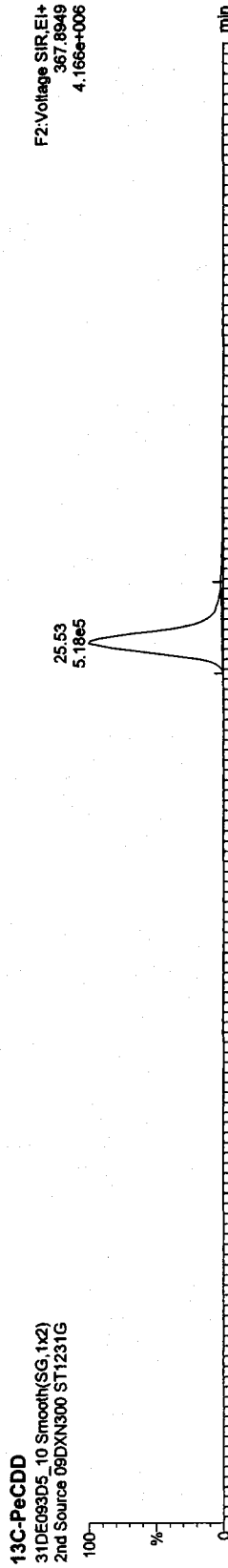
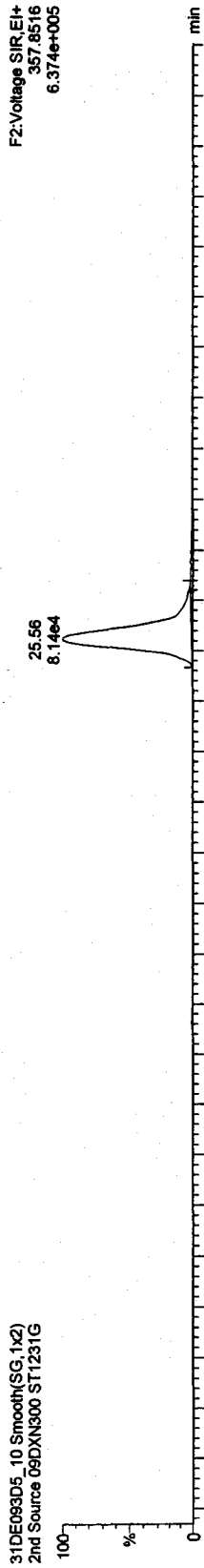
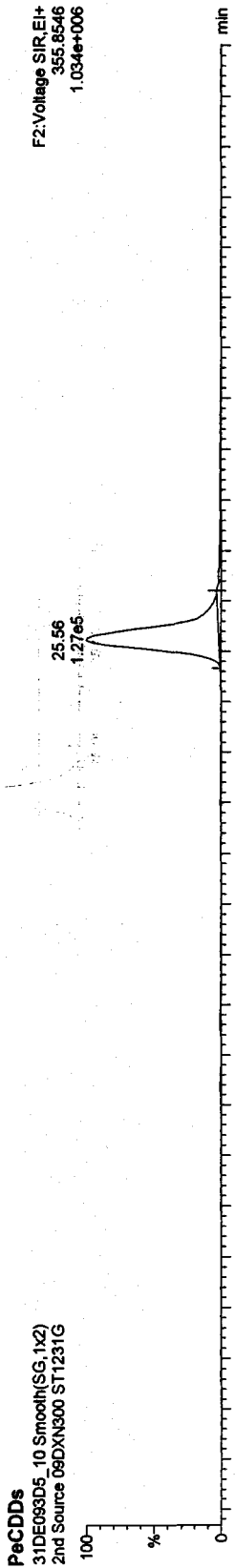


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300





Quantify Sample Report MassLynx 4.1

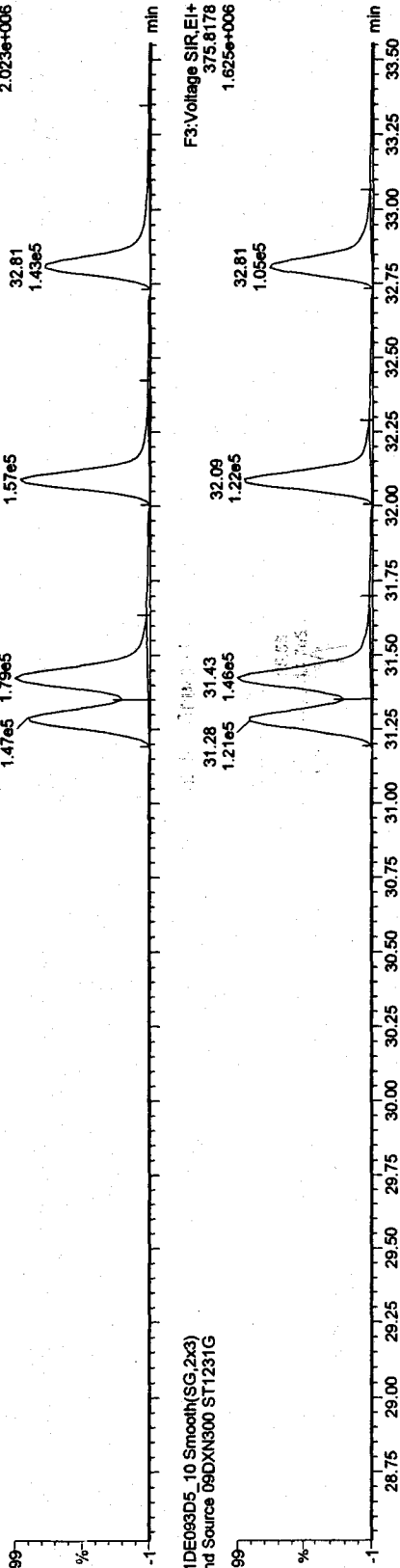
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

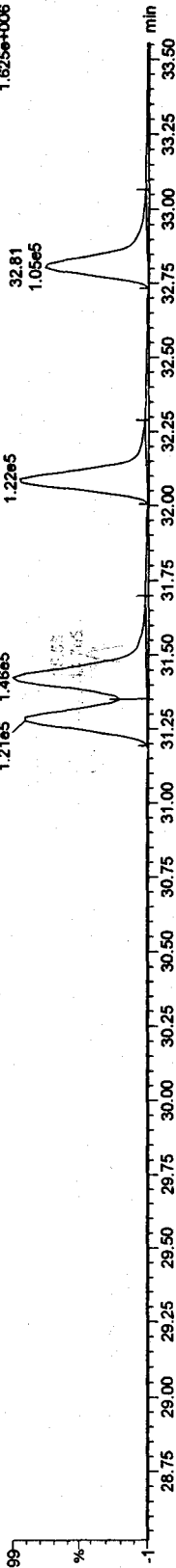
Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

HxCDFs

31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G

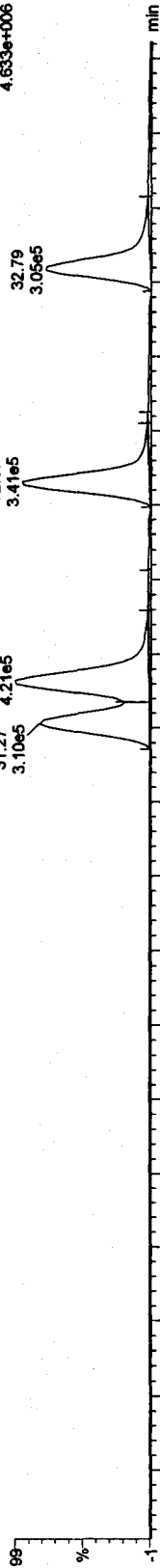


31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G

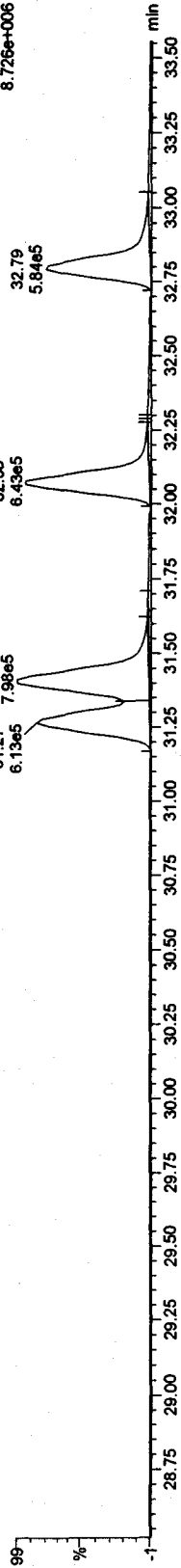


13C-HxCDFs

31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G



31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

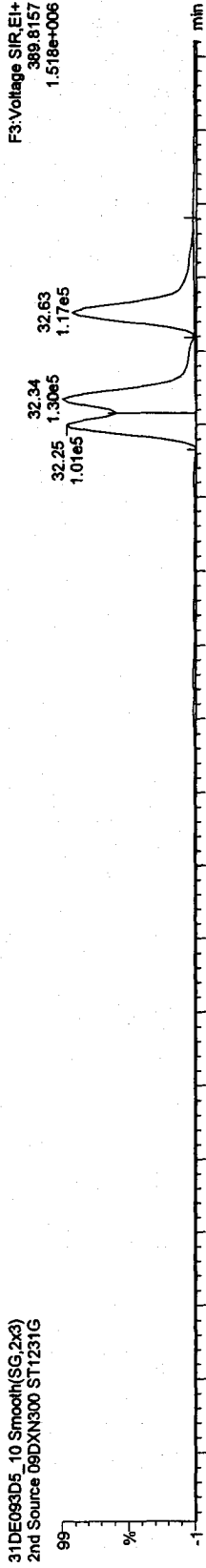
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time

Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

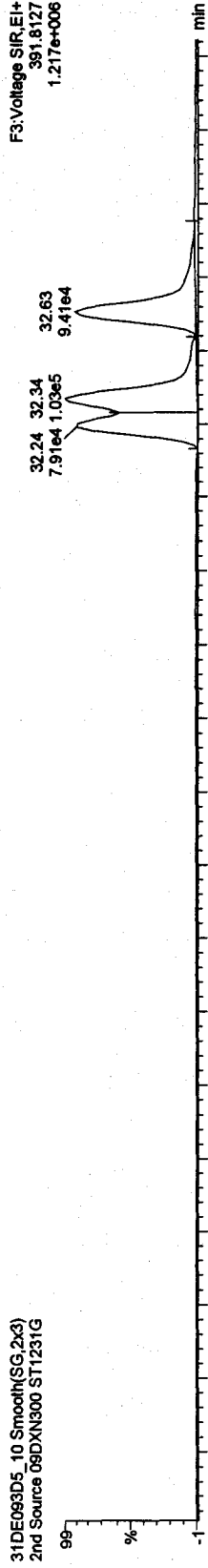
Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

HxCDDs

31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G

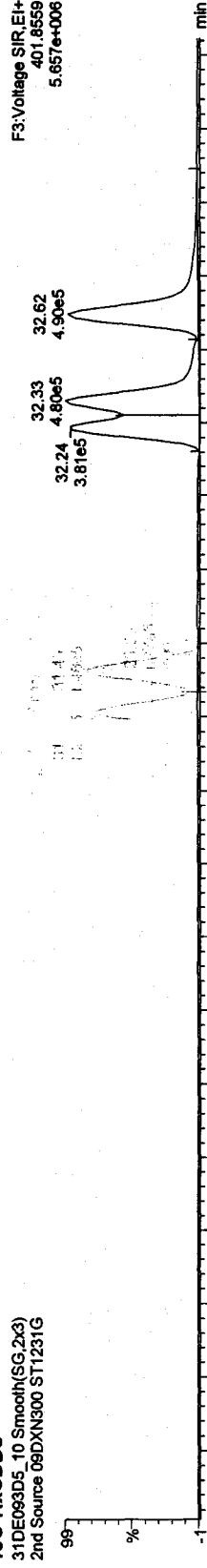


31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G

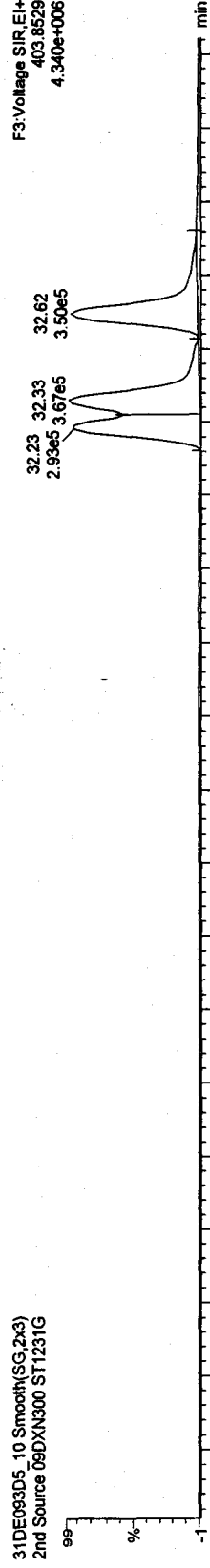


13C-HxCDDs

31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G



31DE093D5\_10 Smooth(SG,2x3)  
2nd Source 09DXN300 ST1231G



Quantify Sample Report MassLynx 4.1

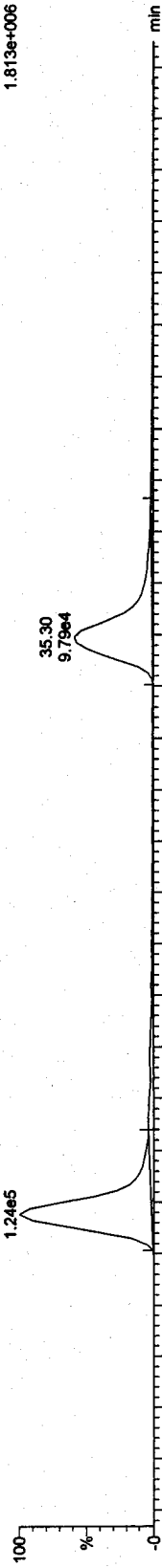
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qtd

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

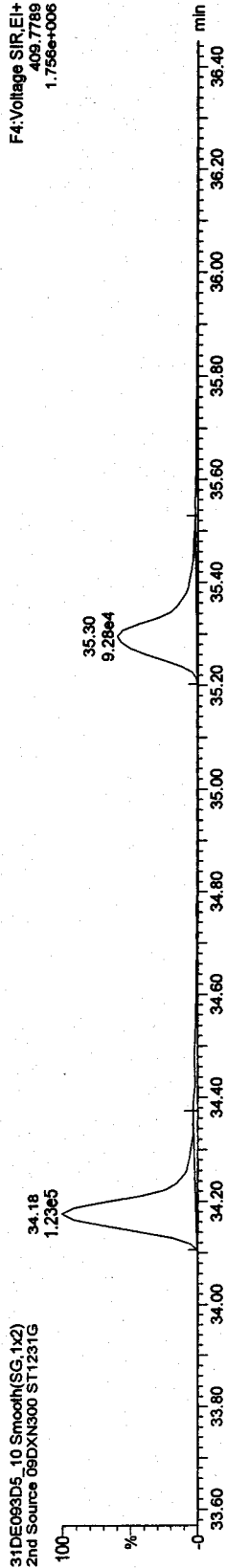
Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

HpCDFs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

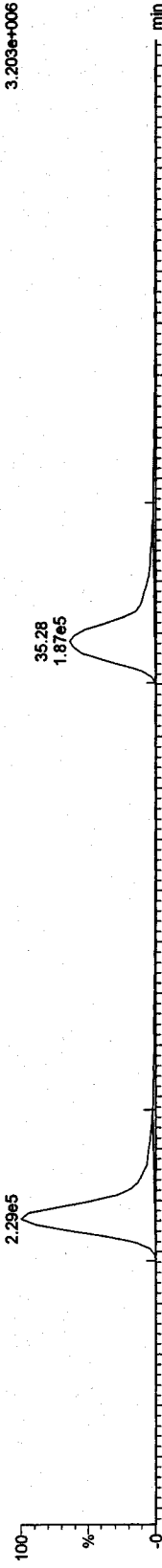


31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

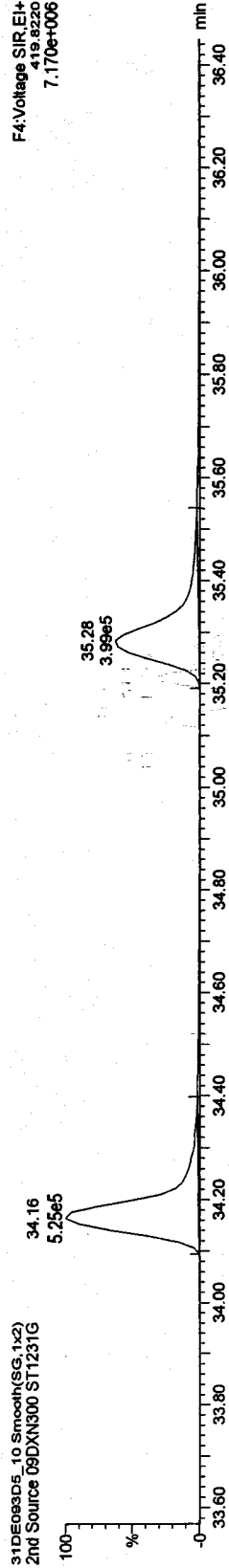


13C-HpCDFs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

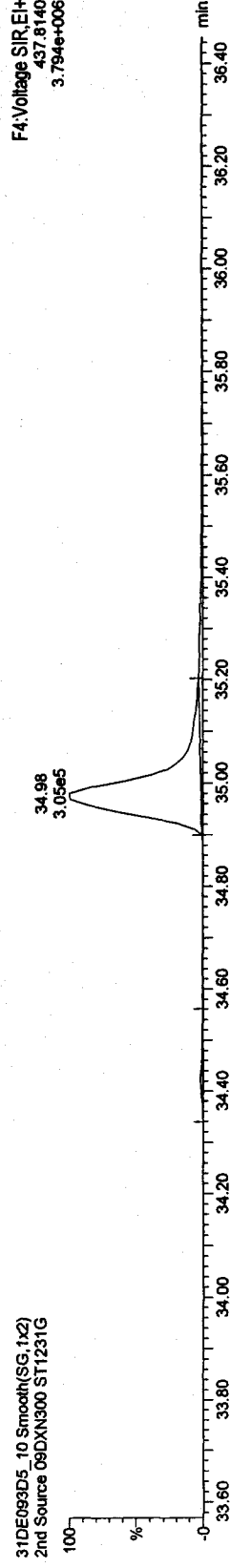
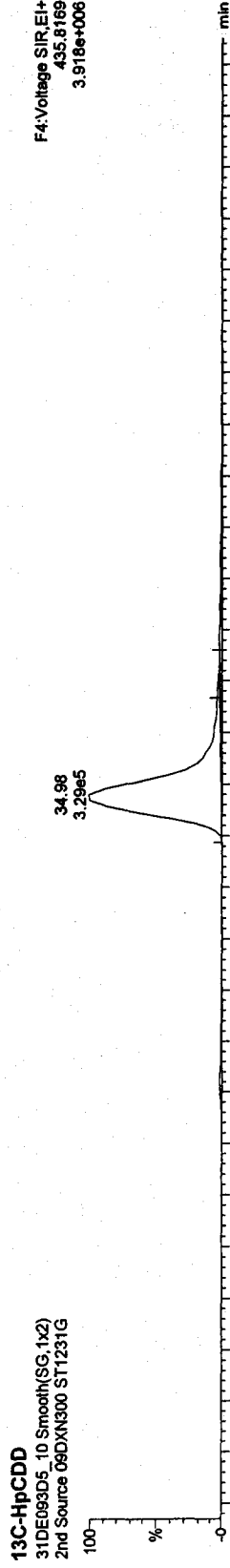
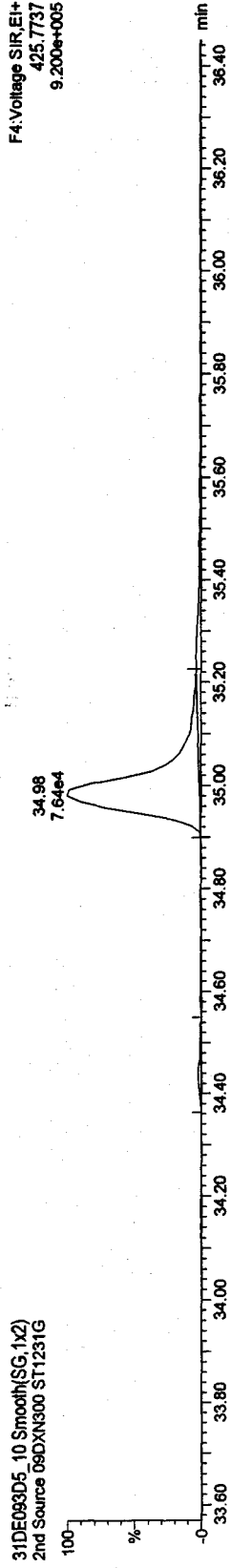
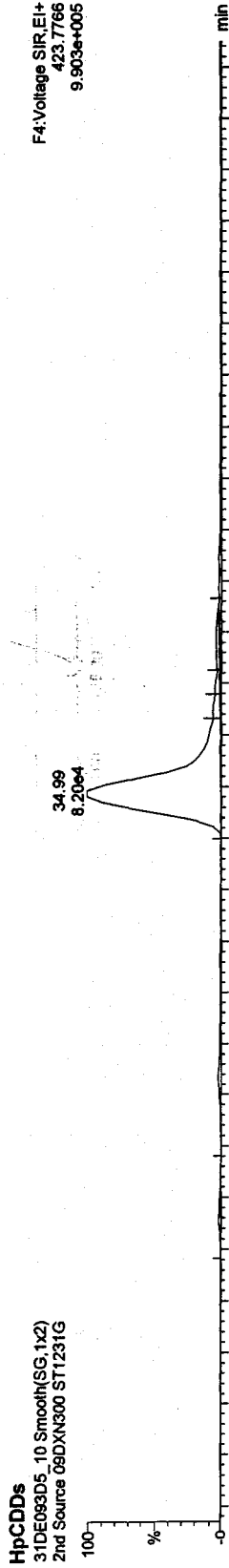


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300



Quantify Sample Report MassLynx 4.1

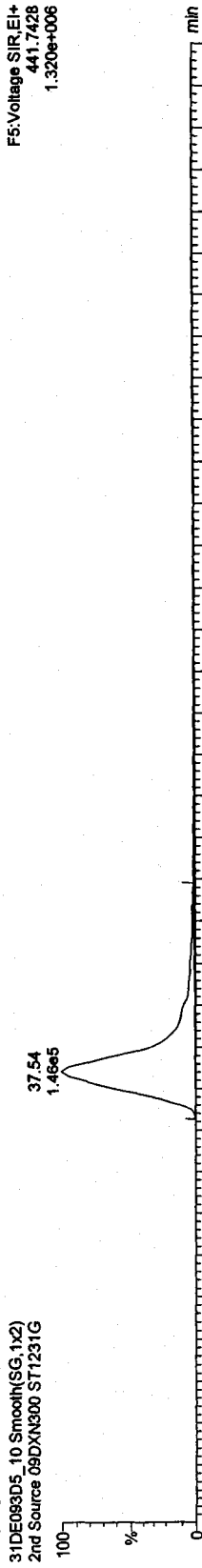
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

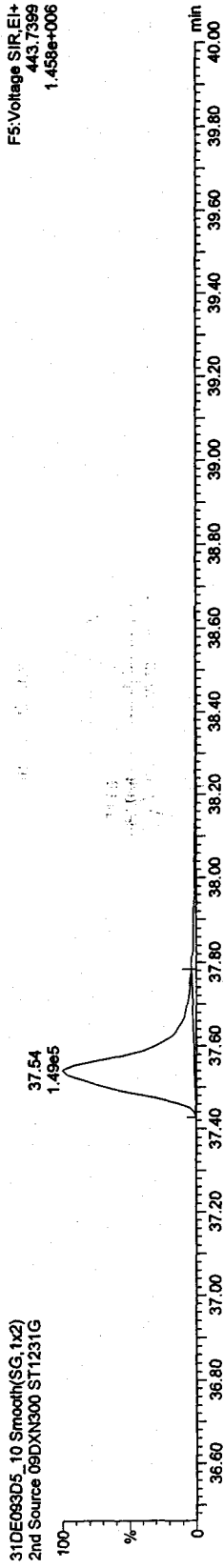
Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

OCDFs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

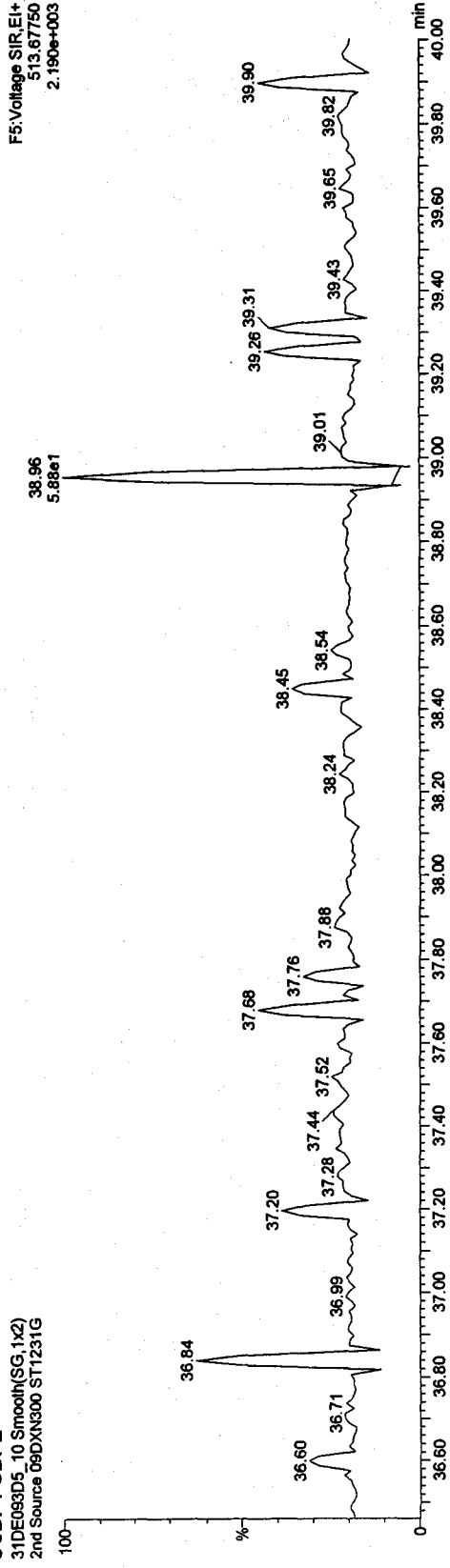


31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



OCDF PCDPE

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

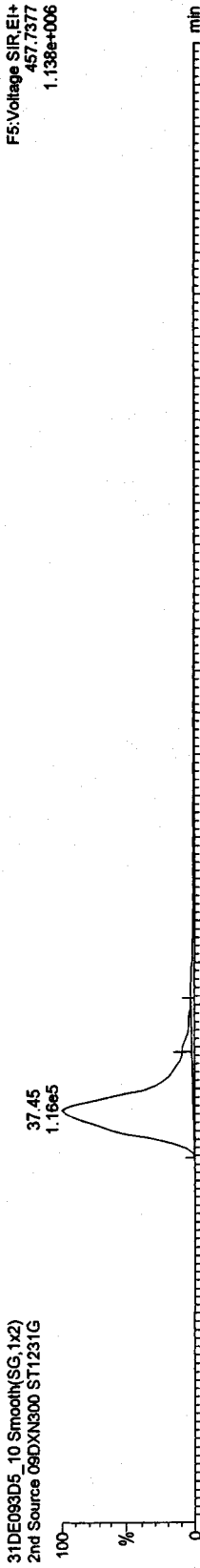
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time

Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

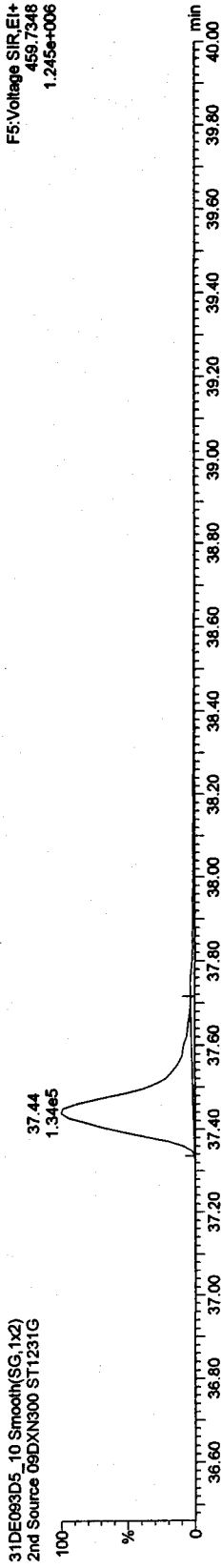
Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

OCDD

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

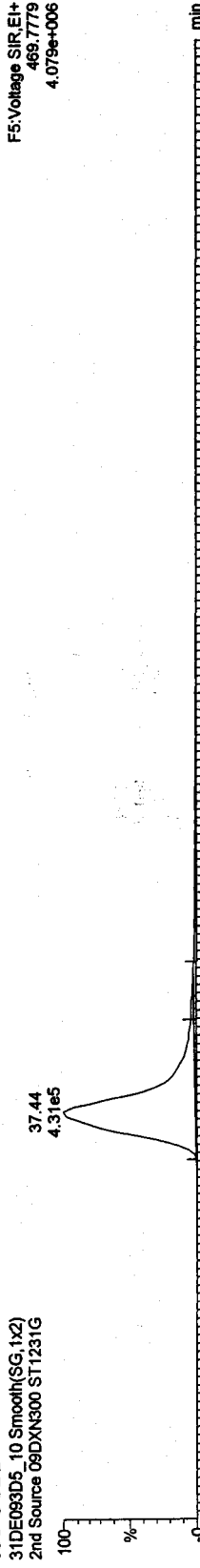


31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

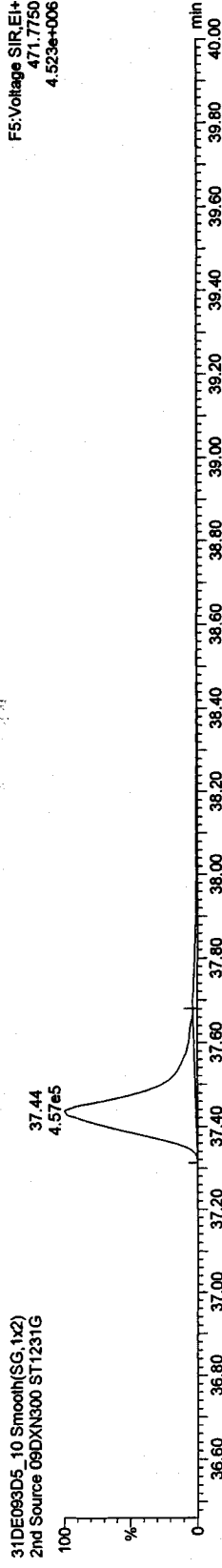


13C-OCDD

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

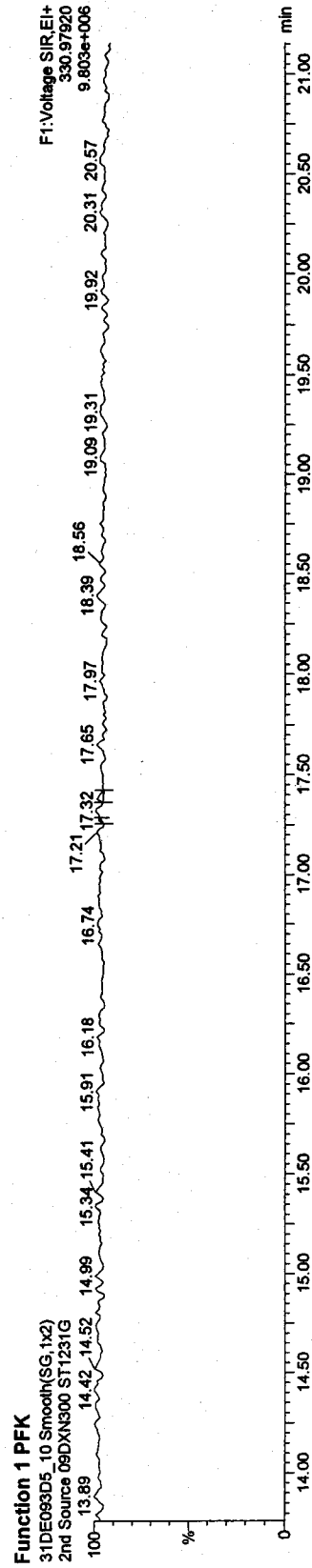
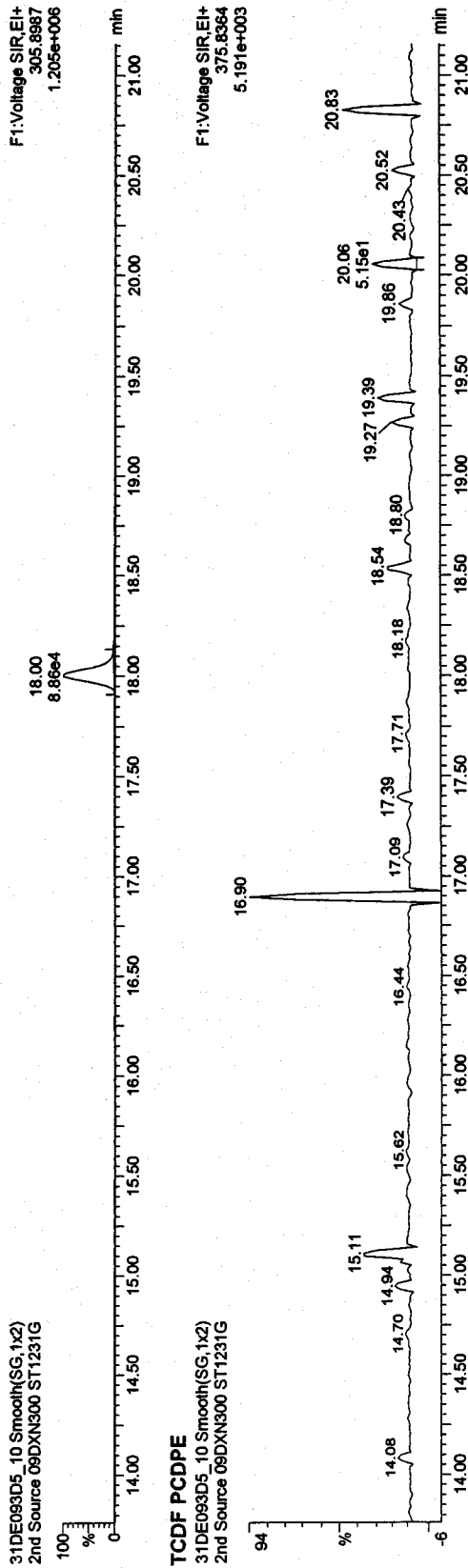
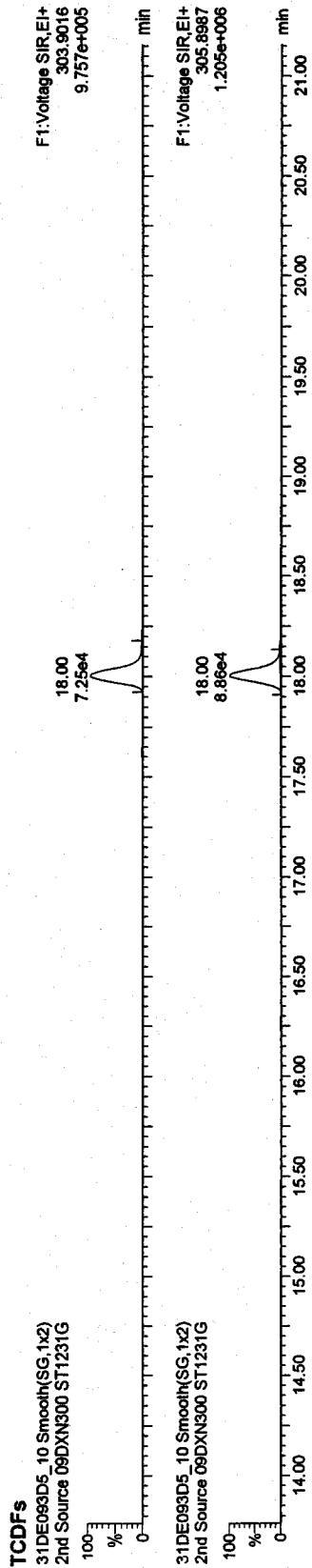


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

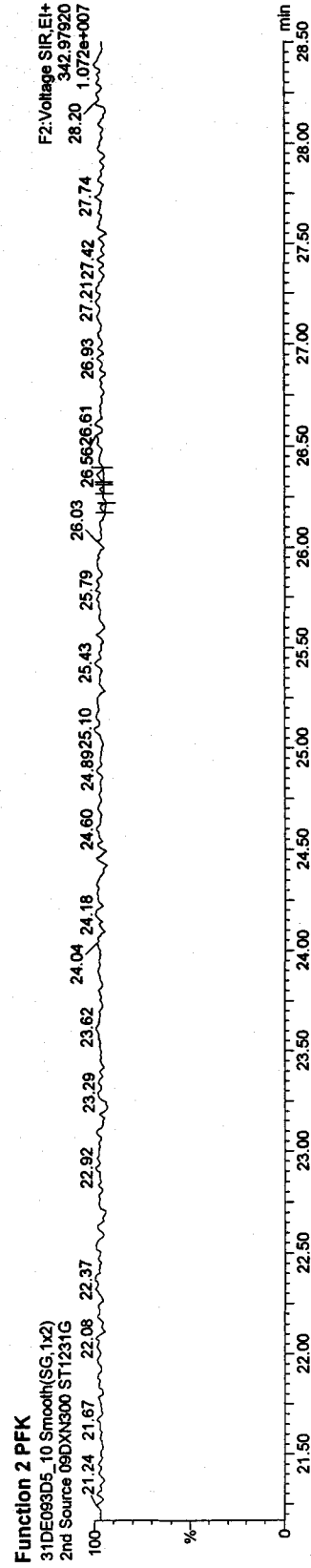
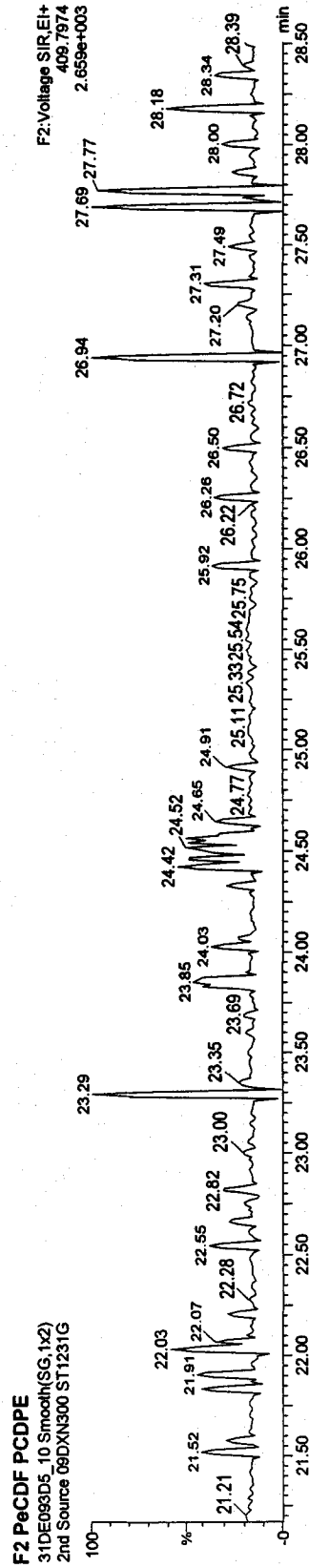
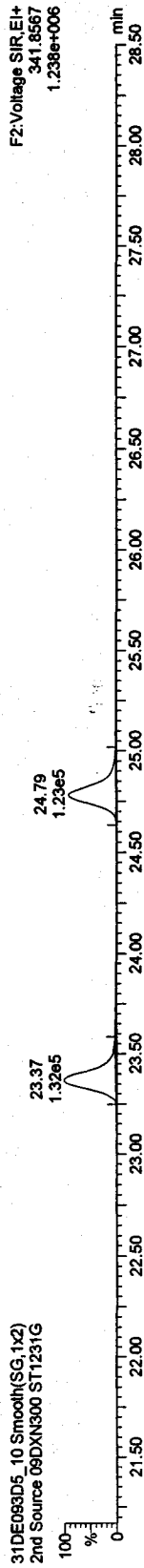
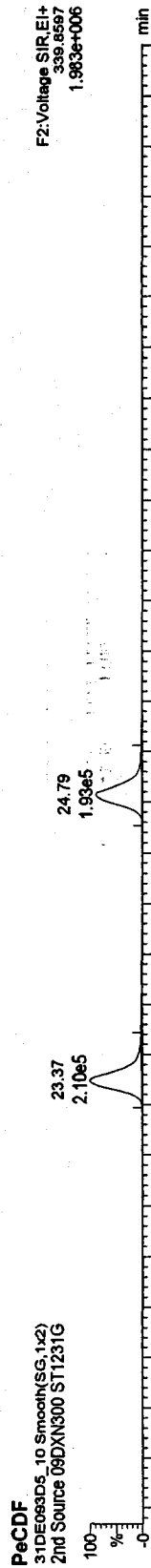


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300







Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

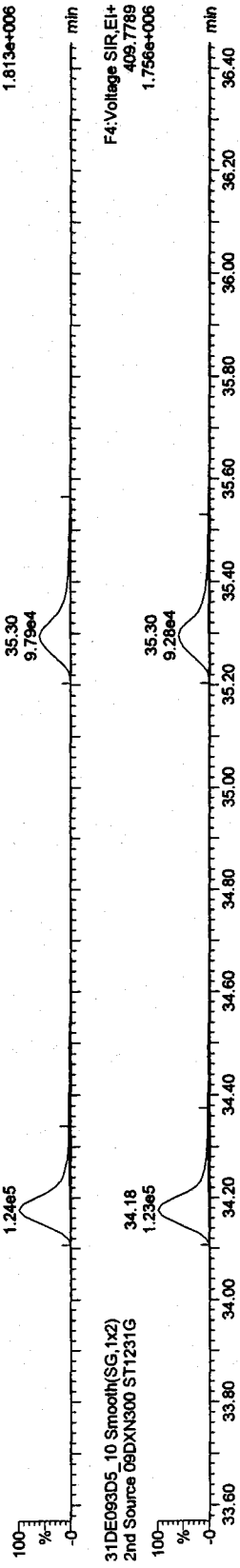
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time

Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:48, ID: ST1231G, Description: 2nd Source 09DXN300

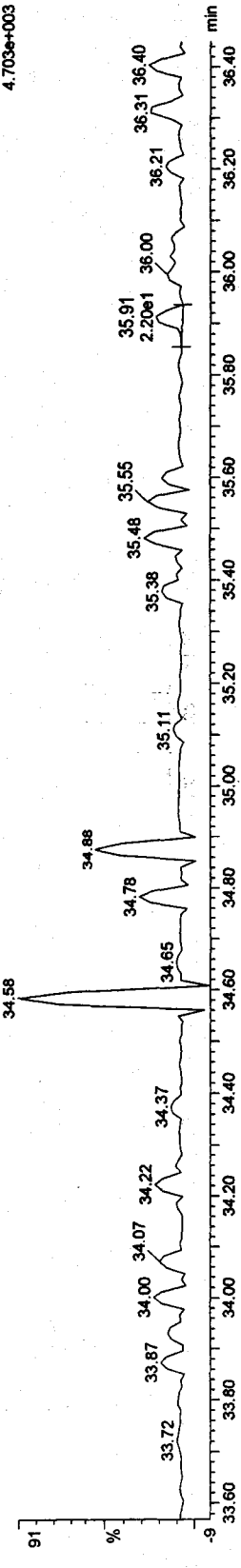
HpCDFs

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



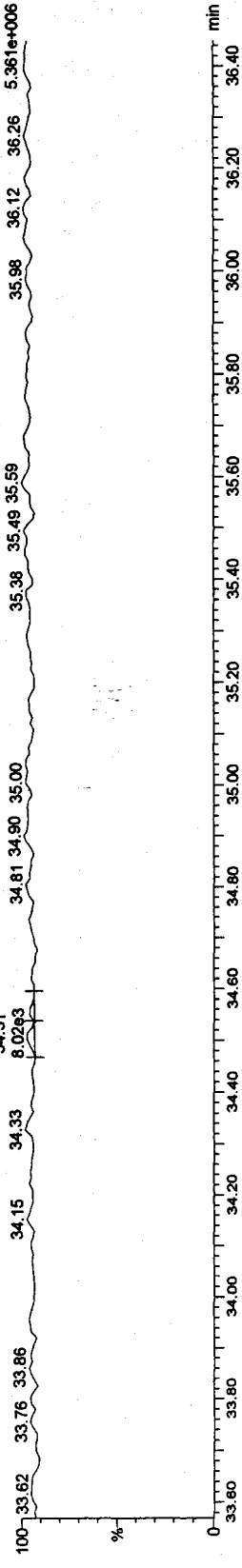
HpCDF PCDPE

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



Function 4 PFK

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

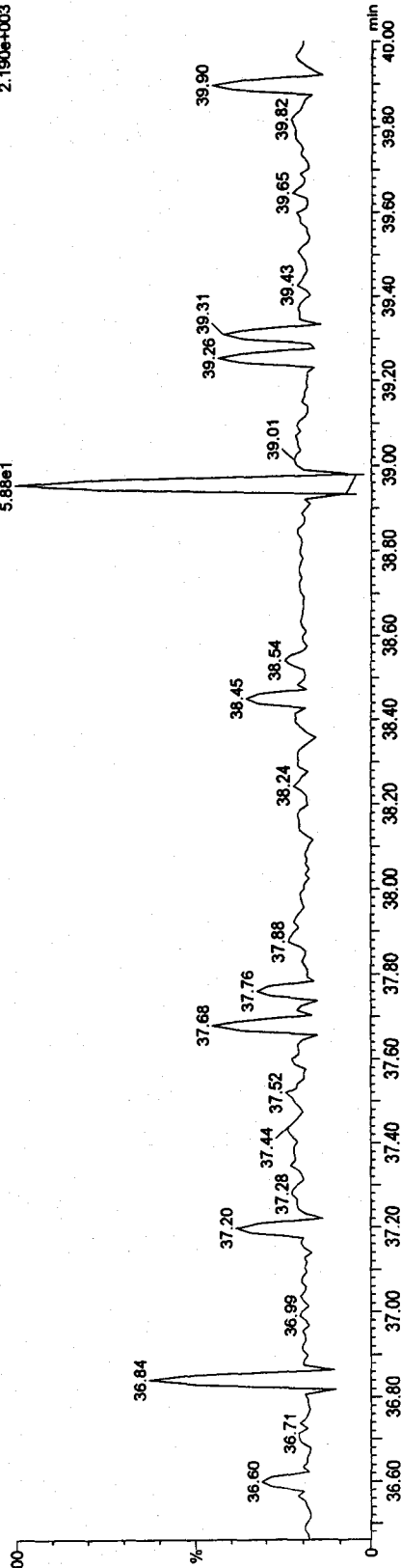
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_10, Date: 31-Dec-2009, Time: 14:27:46, ID: ST1231G, Description: 2nd Source 09DXN300

OCDP PCDPE

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

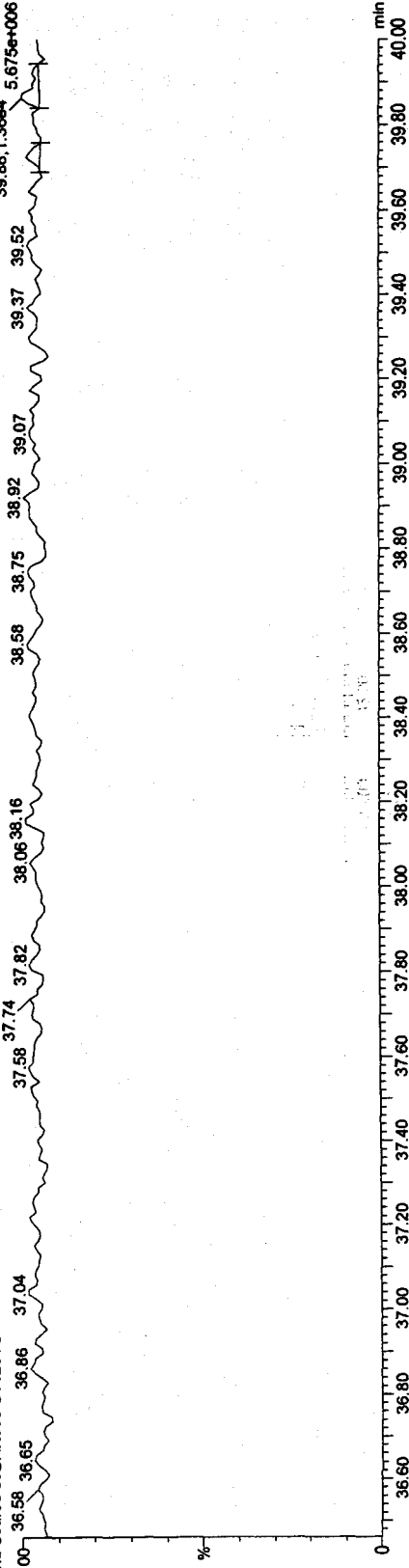
F5:Voltage SIR.EI+  
513.67750  
2.190e+003



Function 5 PFK

31DE093D5\_10 Smooth(SG,1x2)  
2nd Source 09DXN300 ST1231G

F5:Voltage SIR.EI+  
39.861136e4  
442.97280  
5.675e+006



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

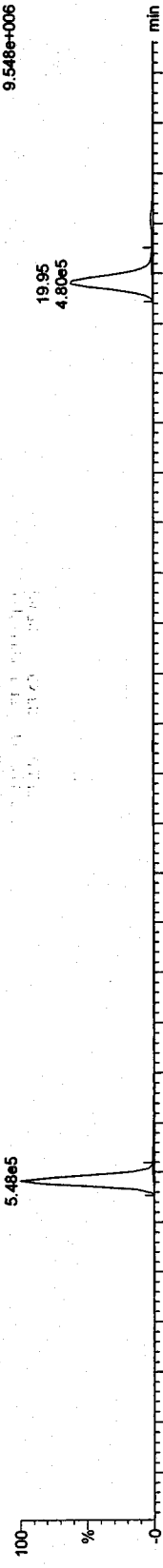
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time

Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

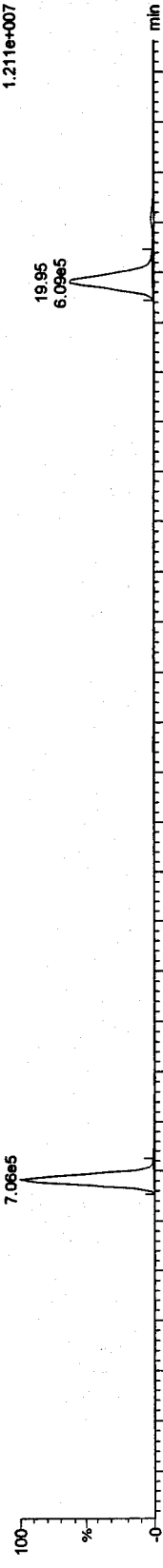
Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

TCDFs

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

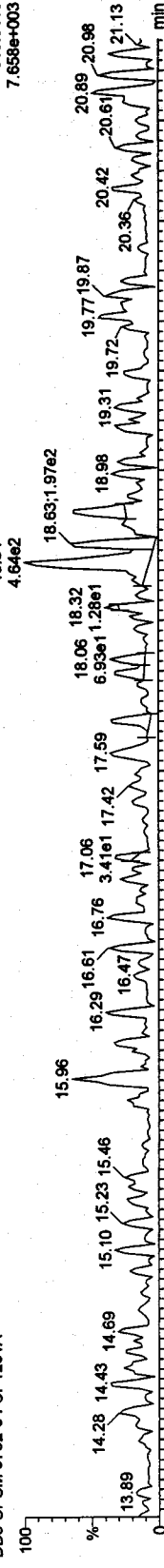


31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

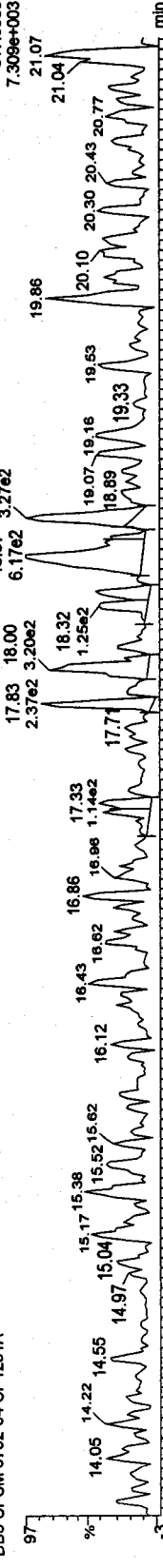


13C-TCDF

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



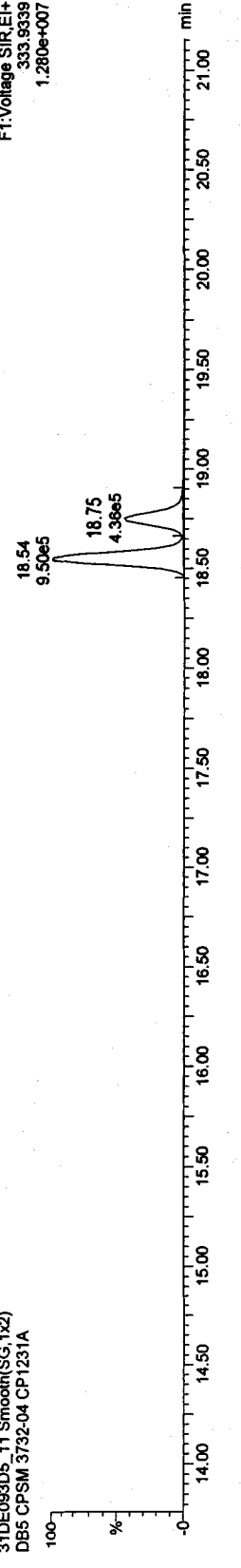
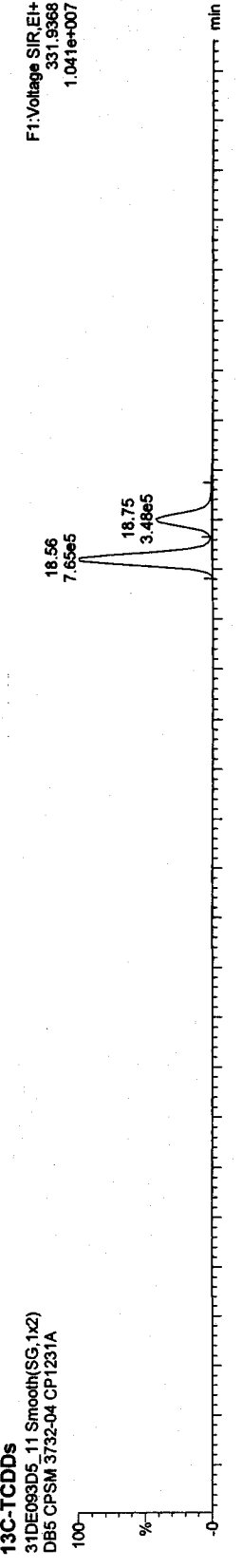
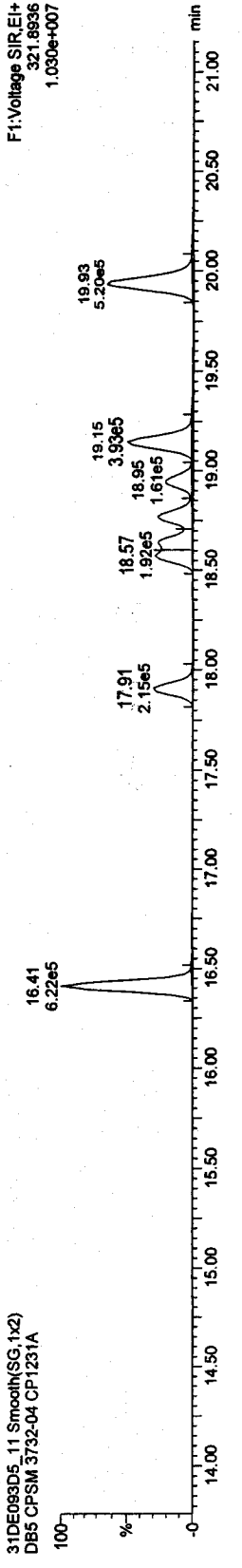
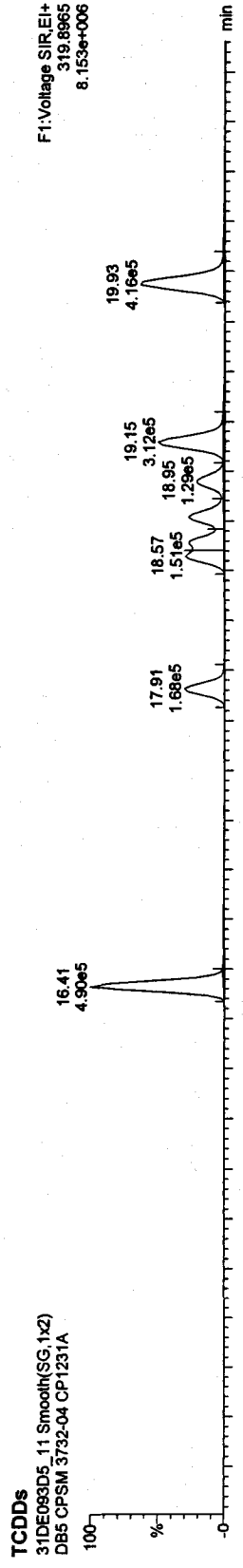
31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld  
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

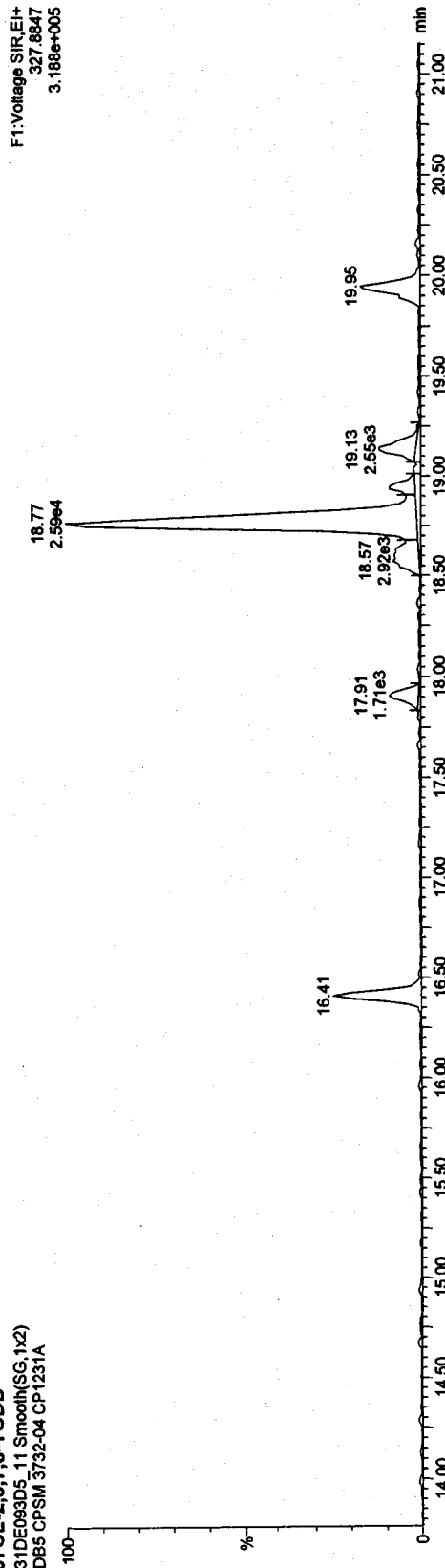
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time

Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

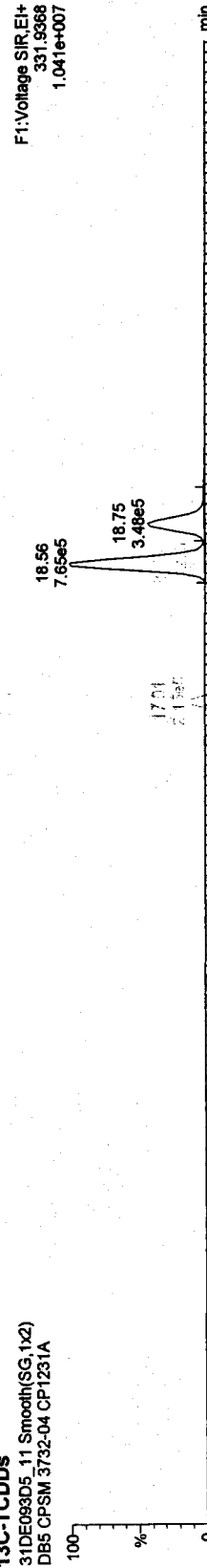
37CL-2,3,7,8-TCDD

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

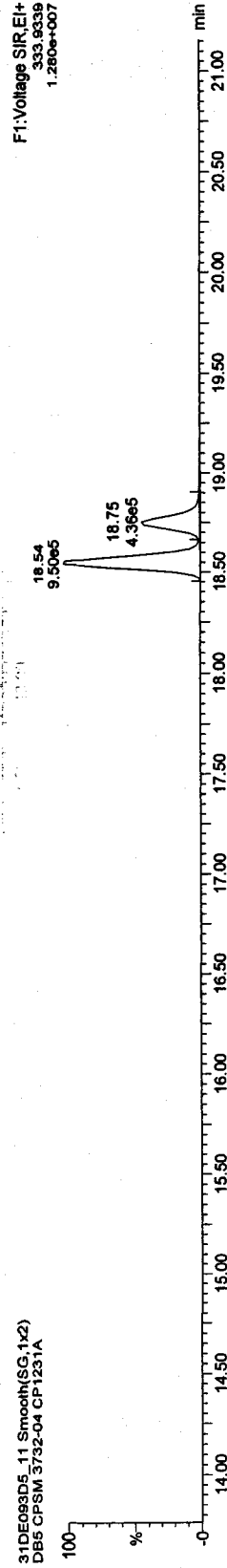


13C-TCDDs

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

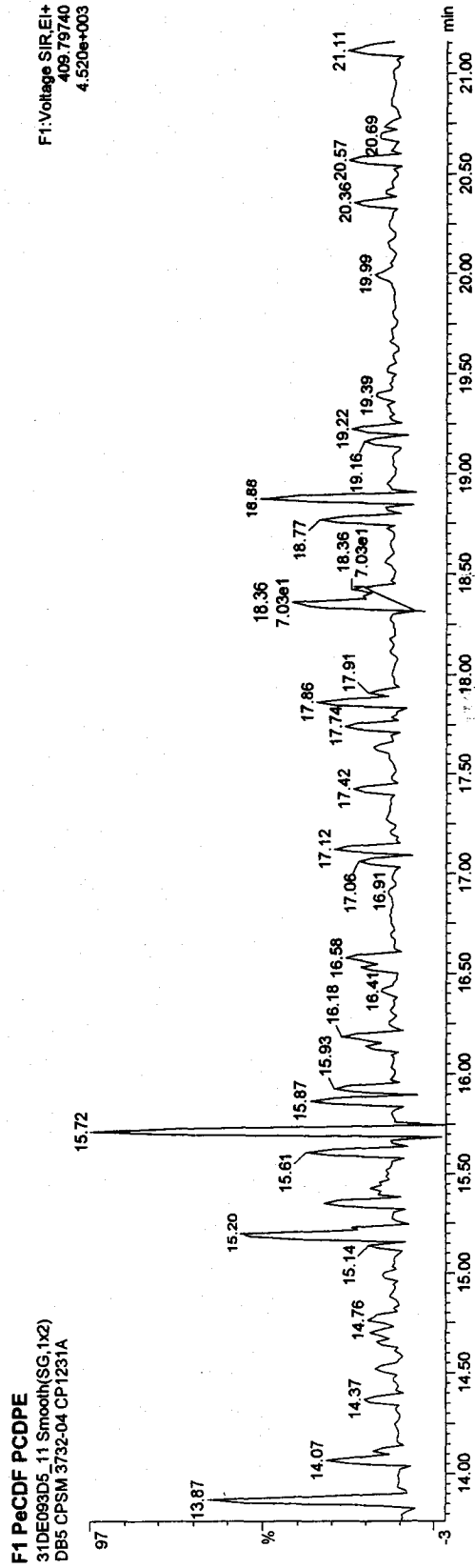
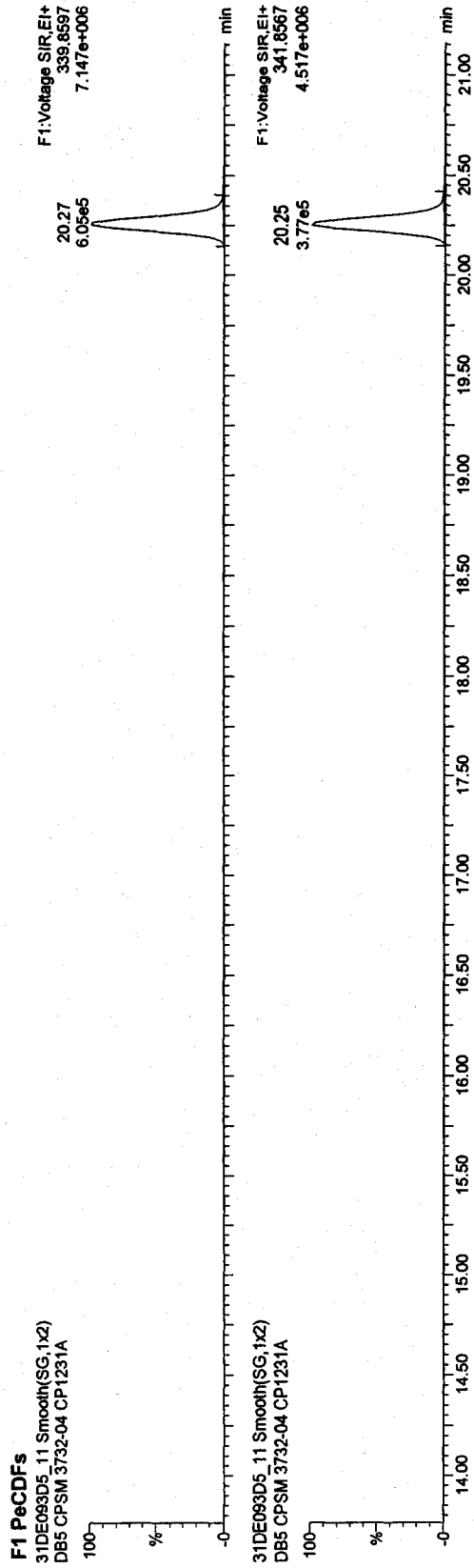


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

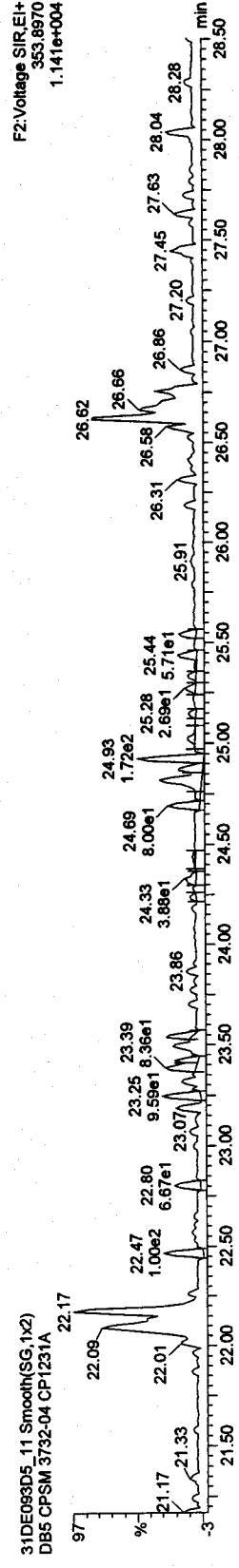
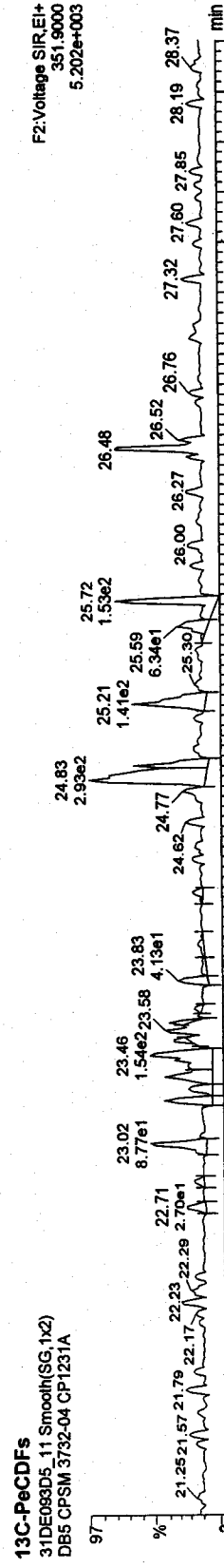
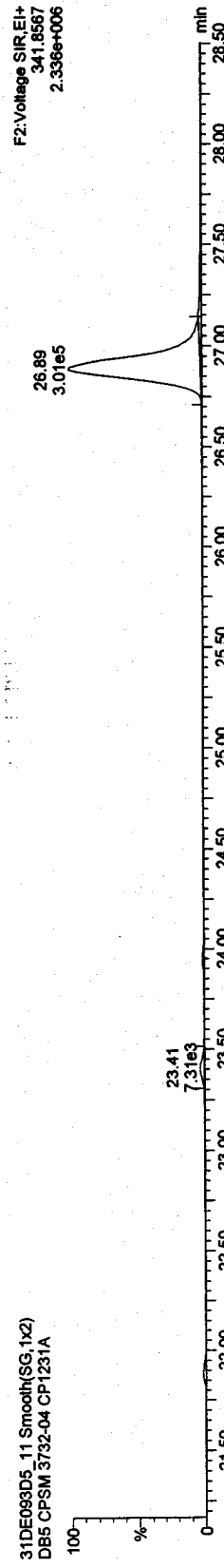
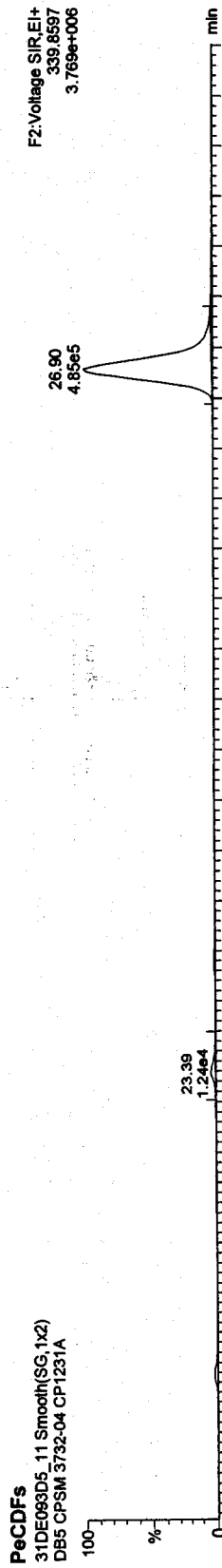


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
 Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

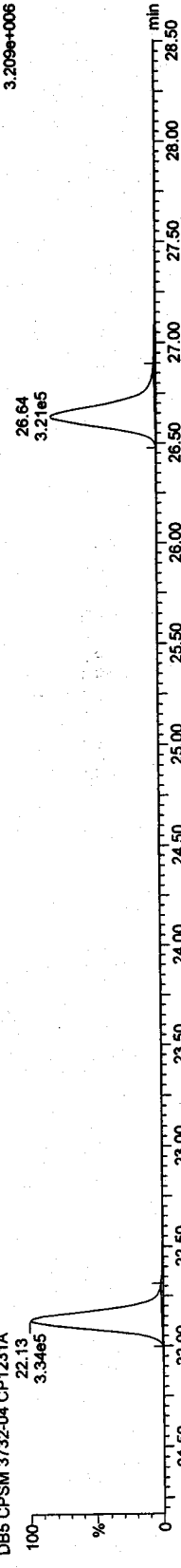
PeCDDs

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



F2:Voltage SIR,EI+  
355.8546  
5.094e+006

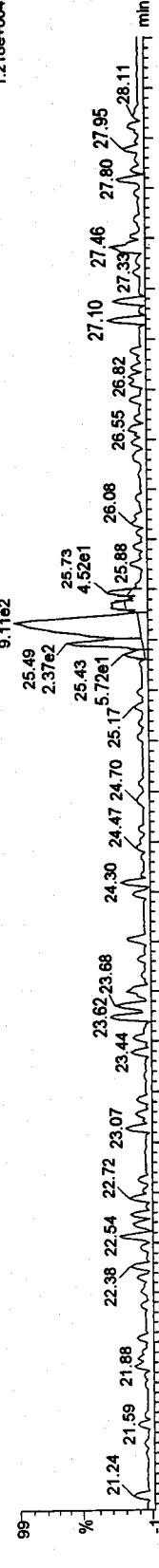
31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



F2:Voltage SIR,EI+  
357.8516  
3.209e+006

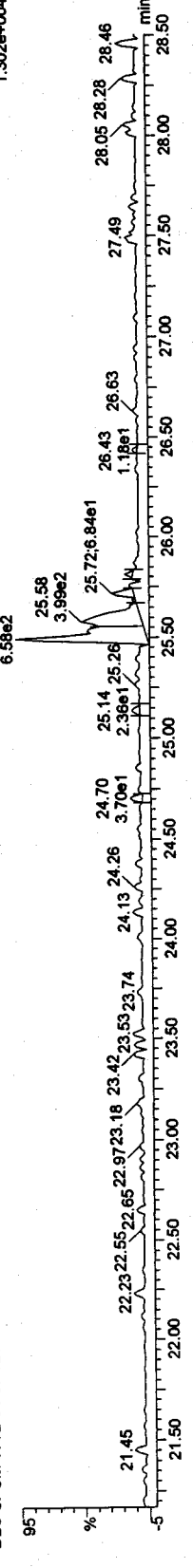
13C-PeCDD

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



F2:Voltage SIR,EI+  
367.8949  
1.218e+004

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



F2:Voltage SIR,EI+  
369.8919  
1.302e+004

Quantify Sample Report MassLynx 4.1

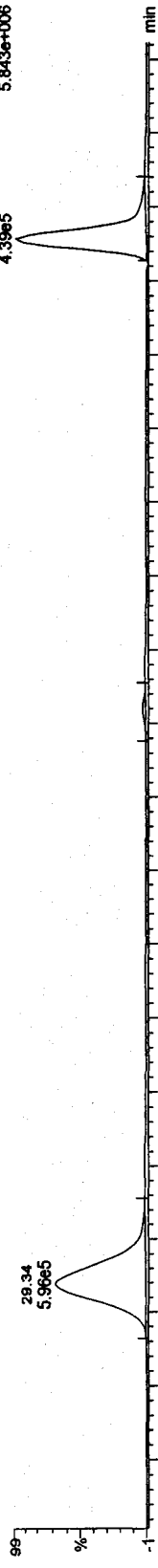
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

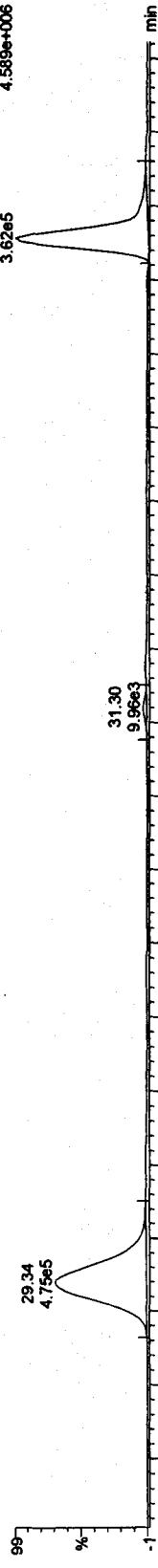
Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

HxCDFs

31DE093D5\_11 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP1231A

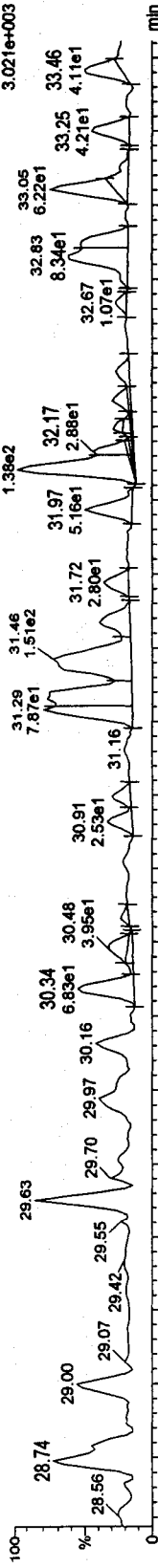


31DE093D5\_11 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP1231A

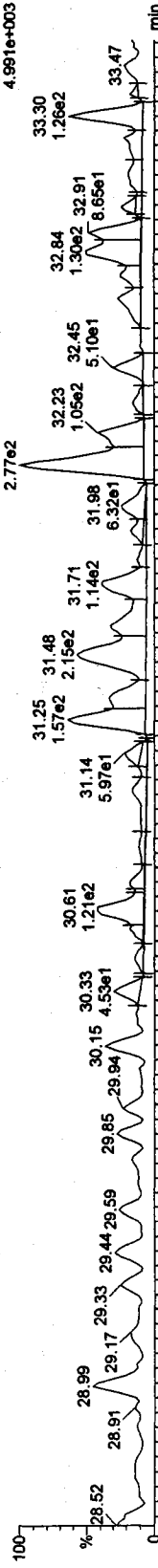


13C-HxCDFs

31DE093D5\_11 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP1231A



31DE093D5\_11 Smooth(SG,2x3)  
DB5 CPSM 3732-04 CP1231A

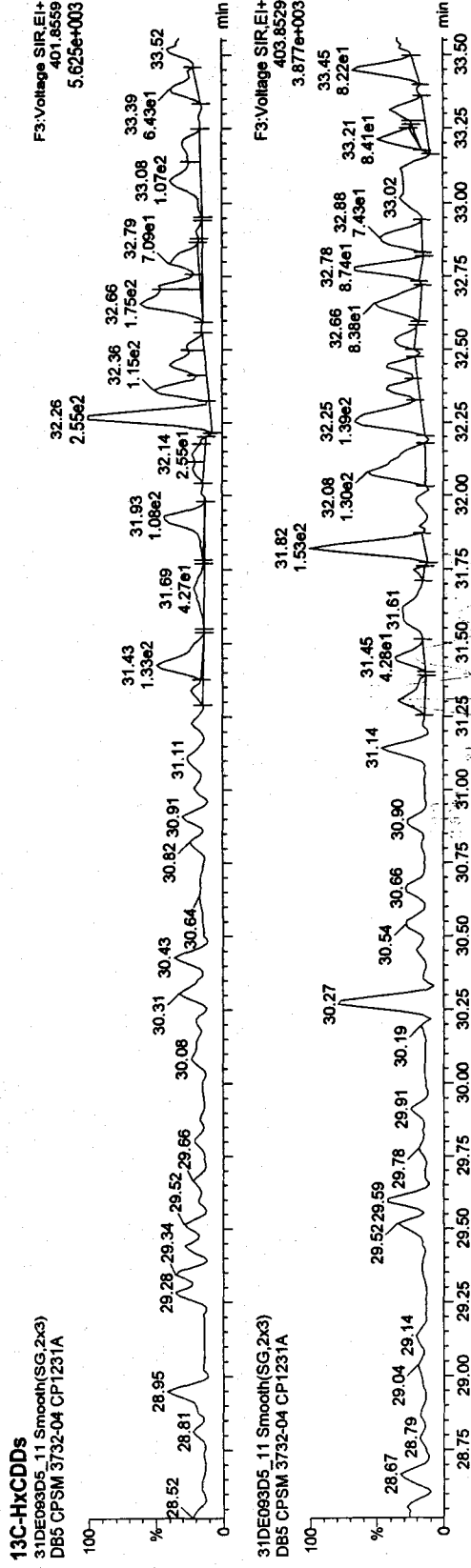
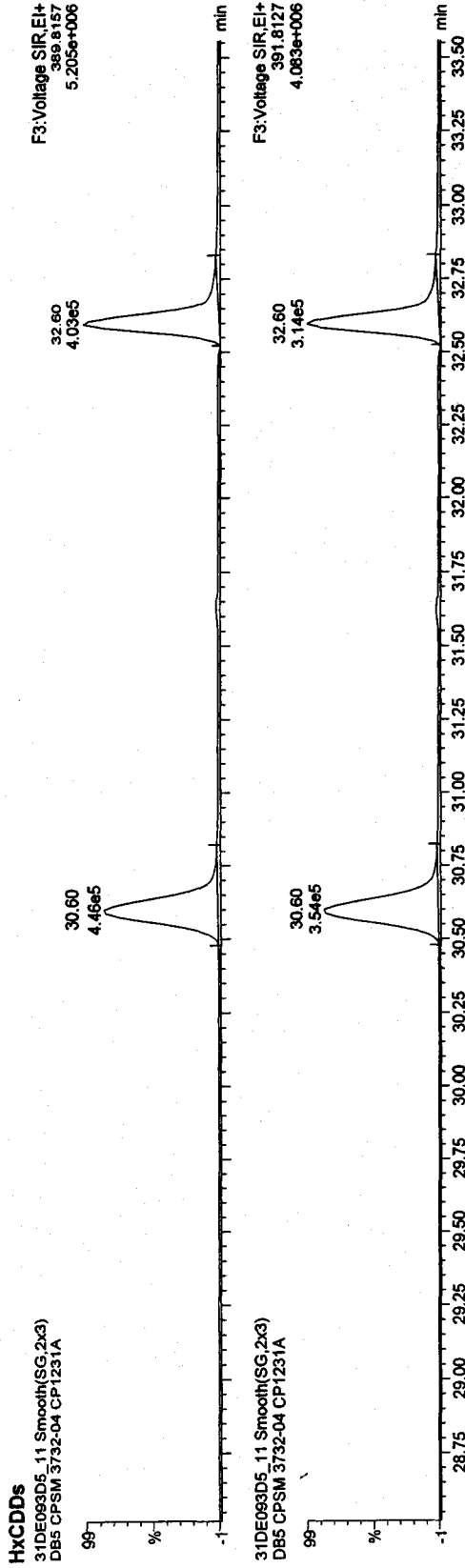


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04



Quantify Sample Report MassLynx 4.1

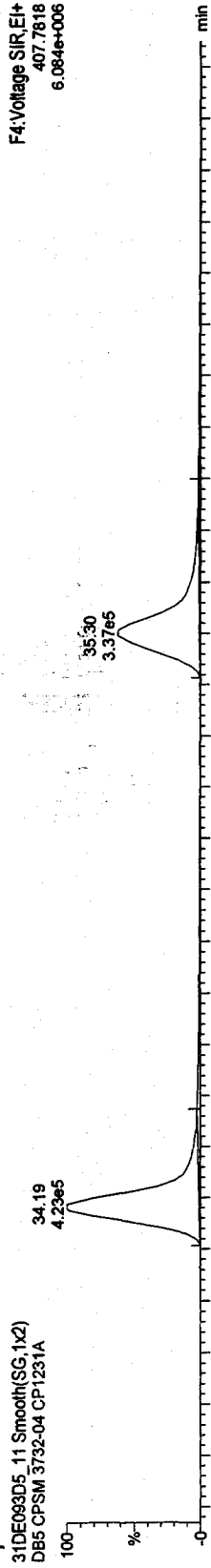
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

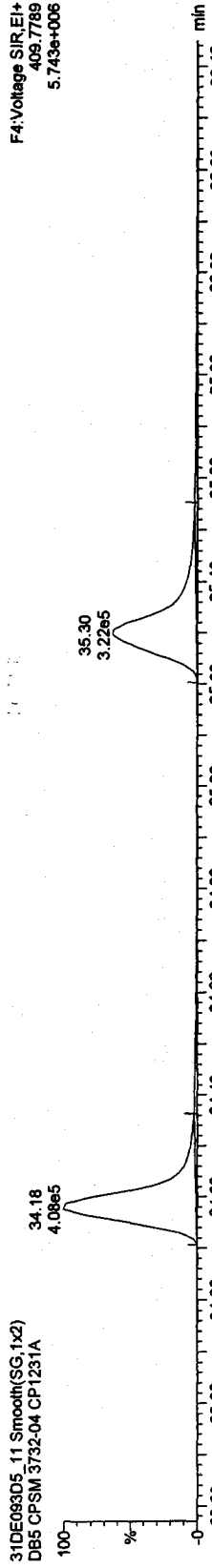
Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

HpCDFs

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

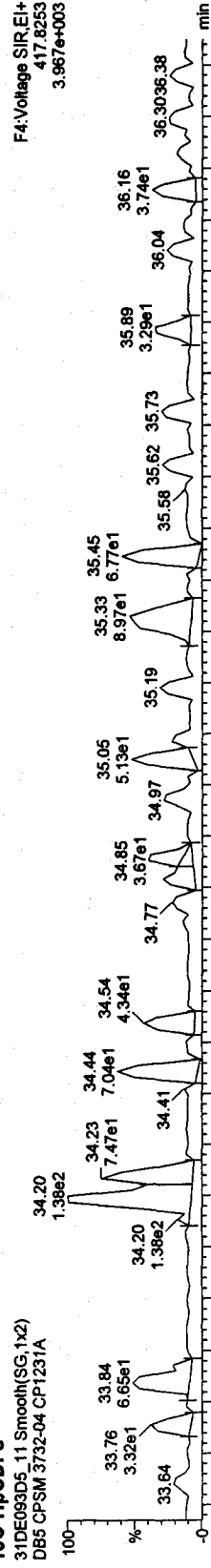


31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

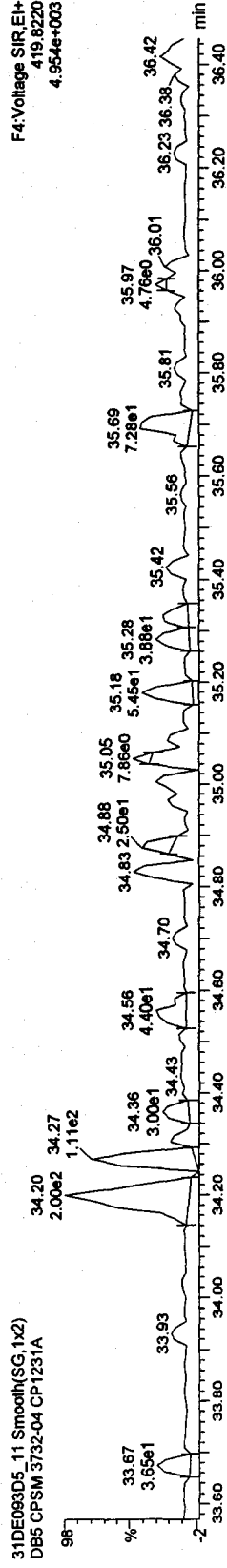


13C-HpCDFs

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



Quantify Sample Report MassLynx 4.1

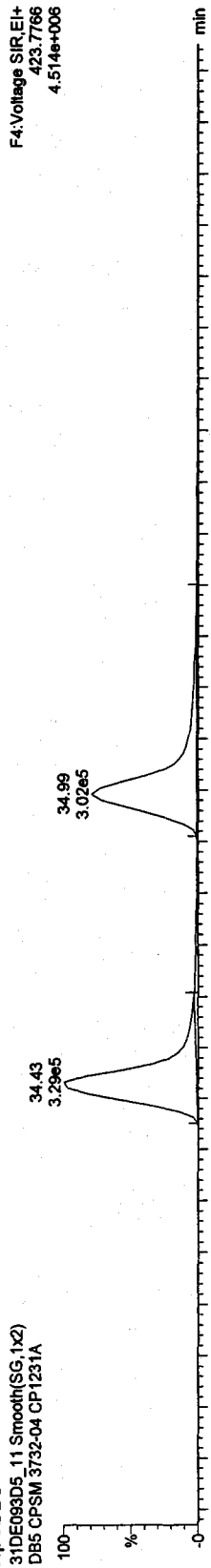
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

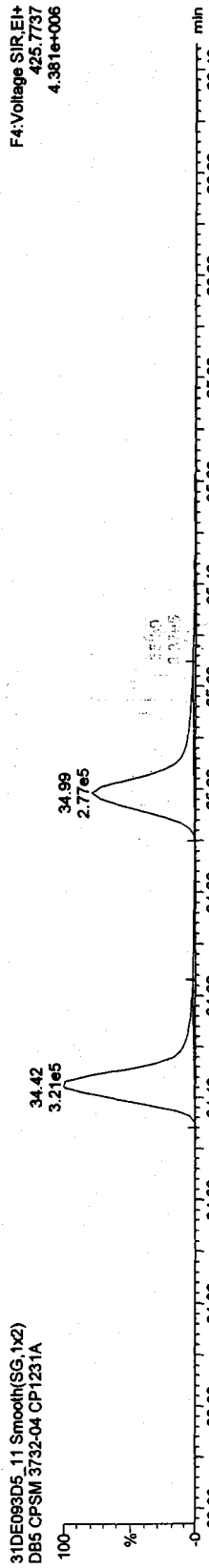
Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

HpCDDs

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

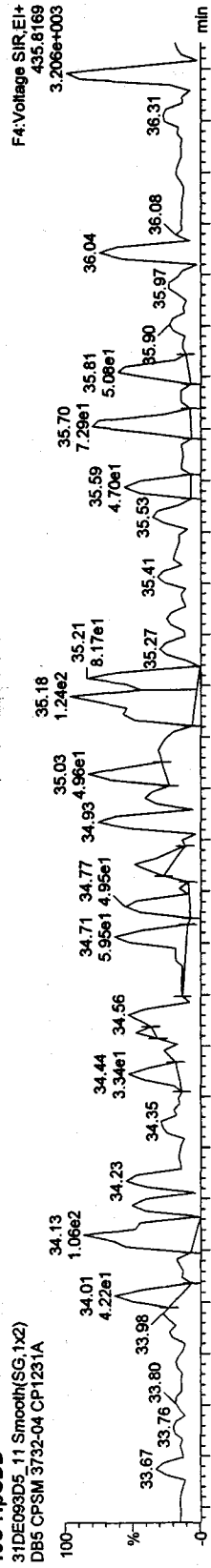


31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

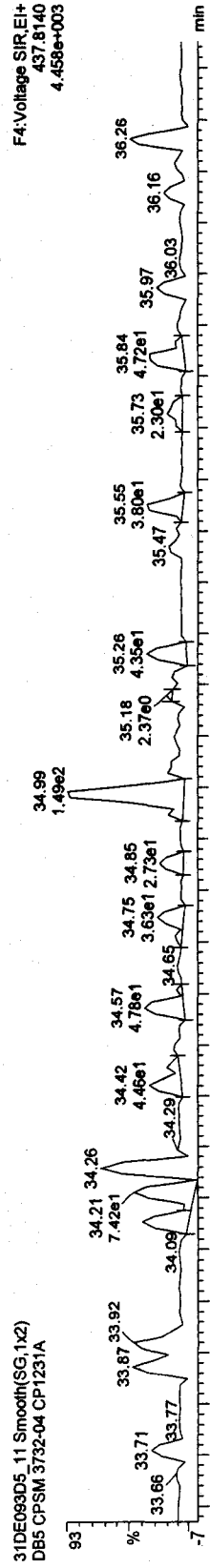


13C-HpCDD

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



Quantify Sample Report MassLynx 4.1

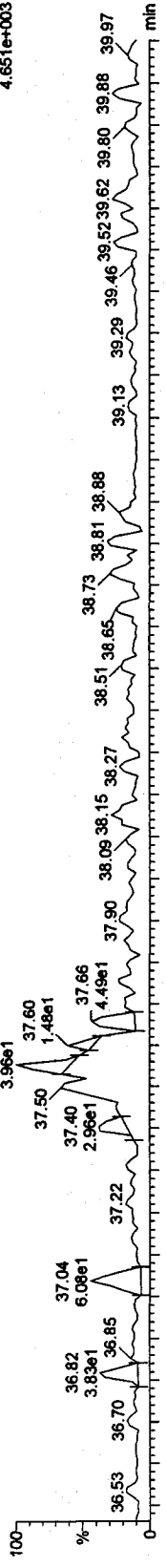
Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

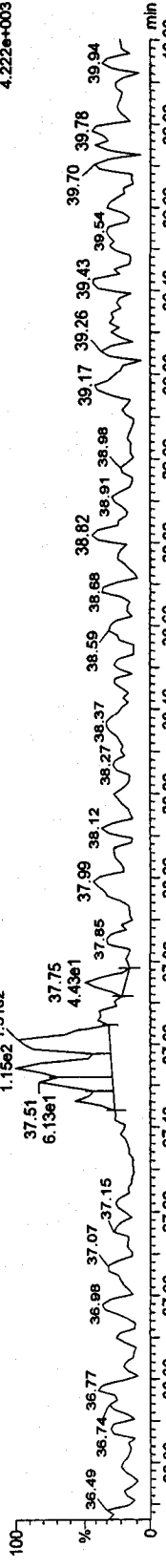
Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

OCDFs

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

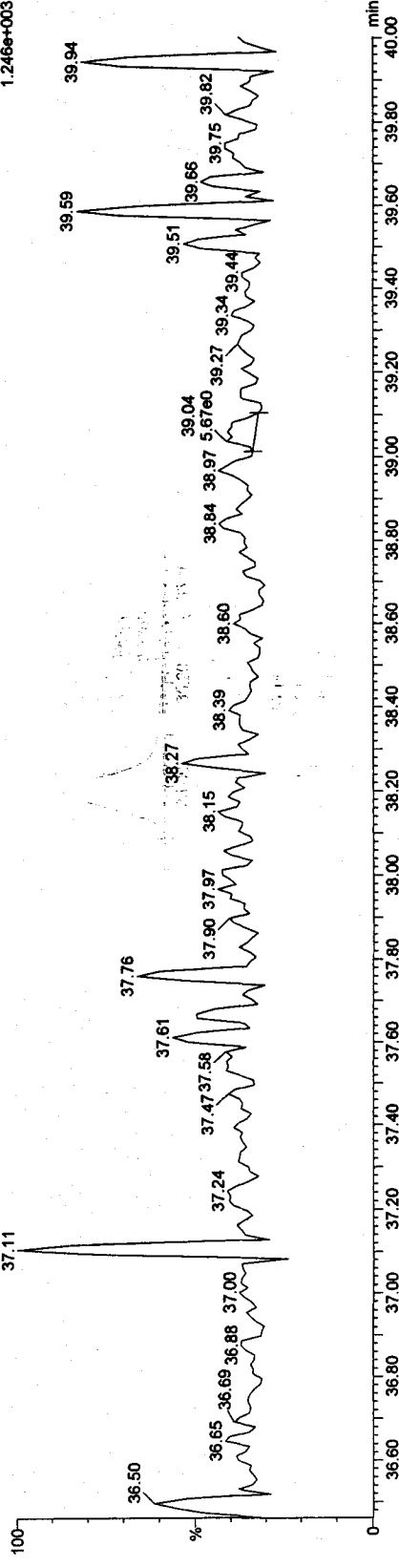


31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



OCDF PCDFE

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



Quantify Sample Report MassLynx 4.1

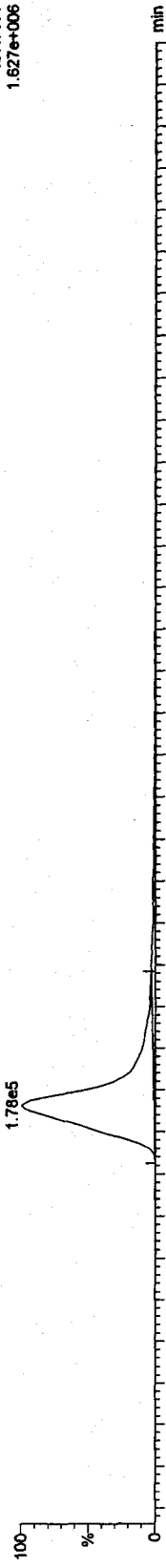
Dataset: C:\MassLynx\Default.pro\31DE093D5.1613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

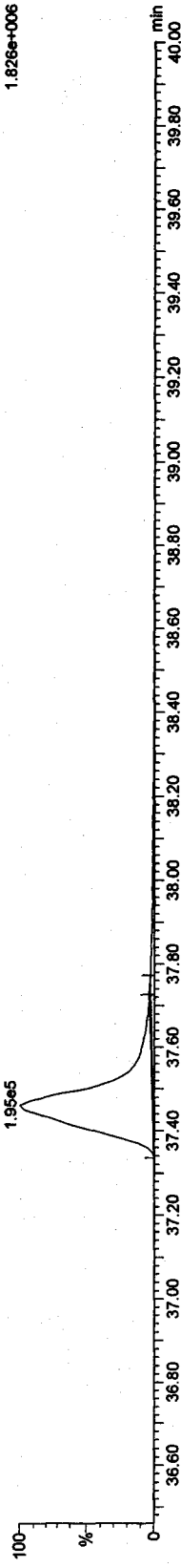
Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

OCDD

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

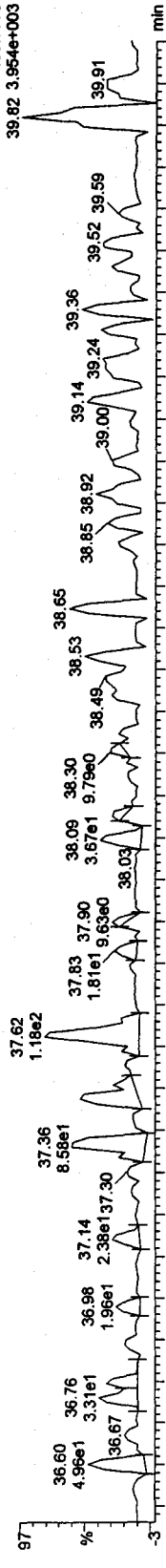


31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

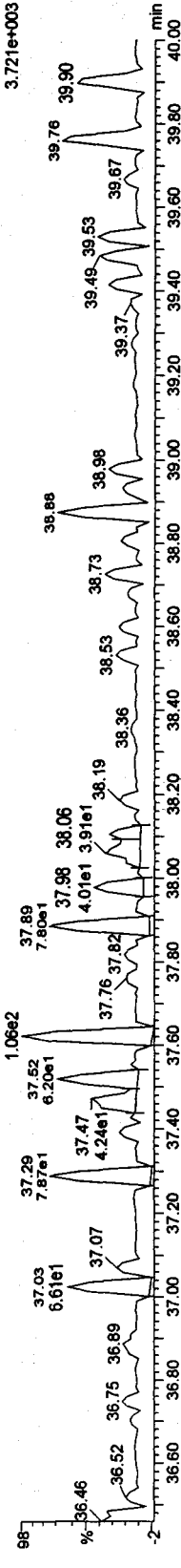


13C-OCDD

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A



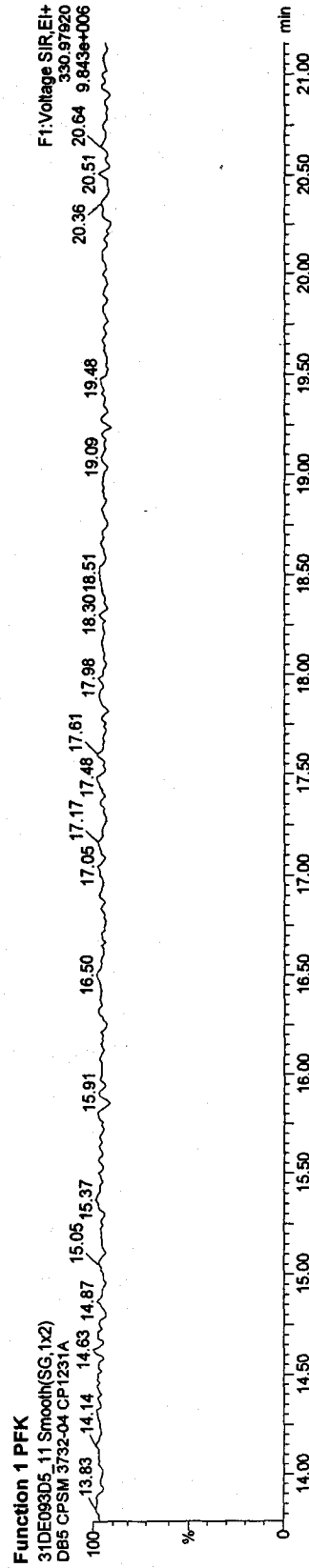
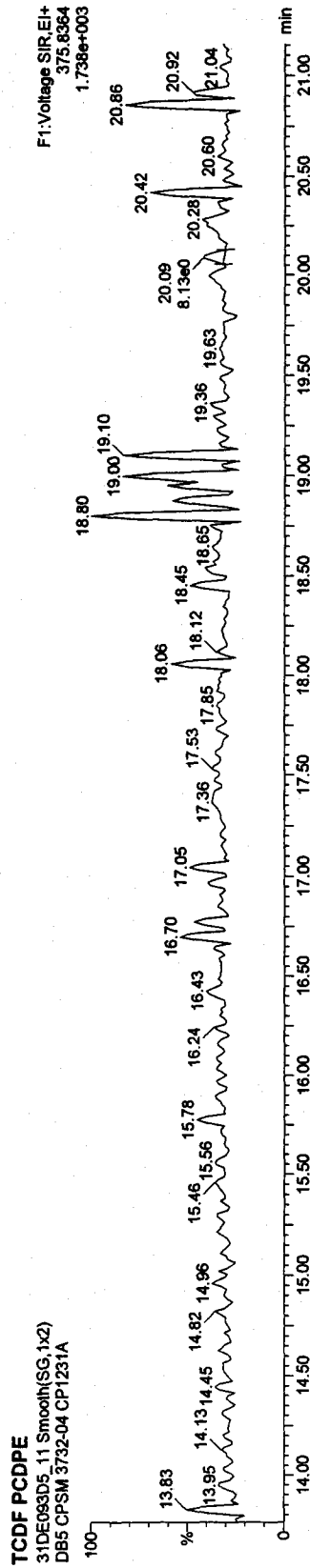
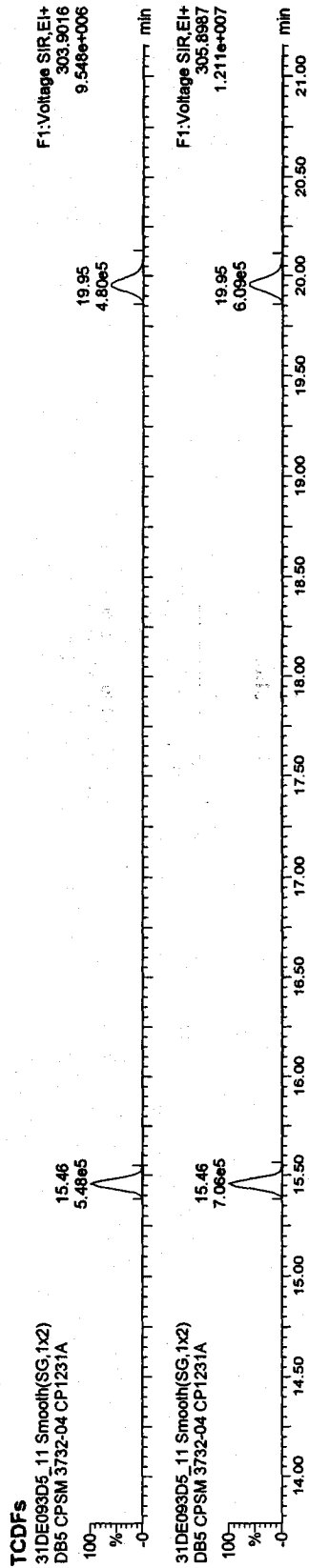
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time

Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04





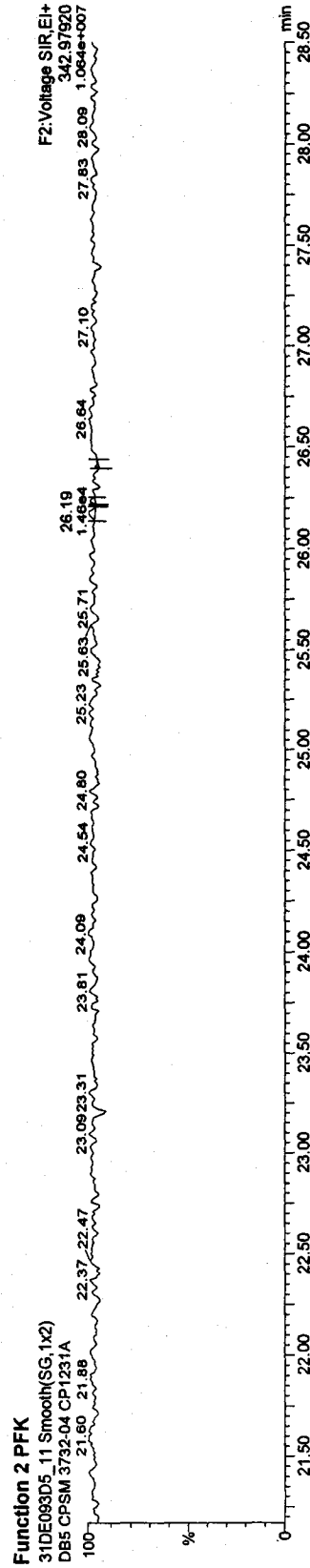
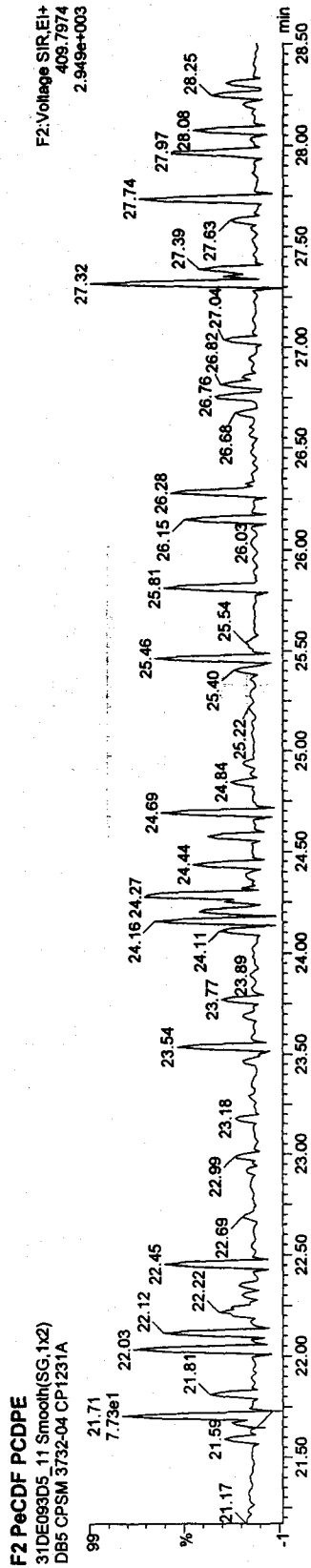
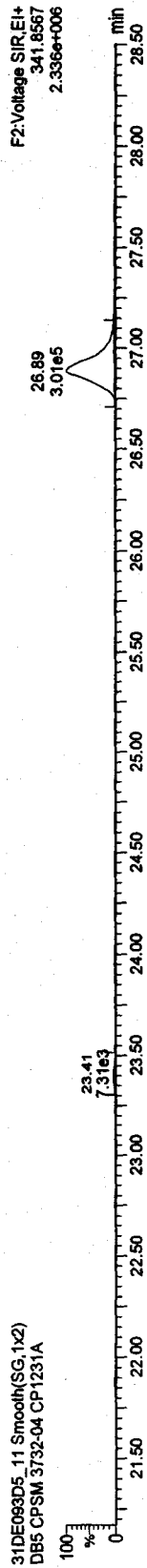
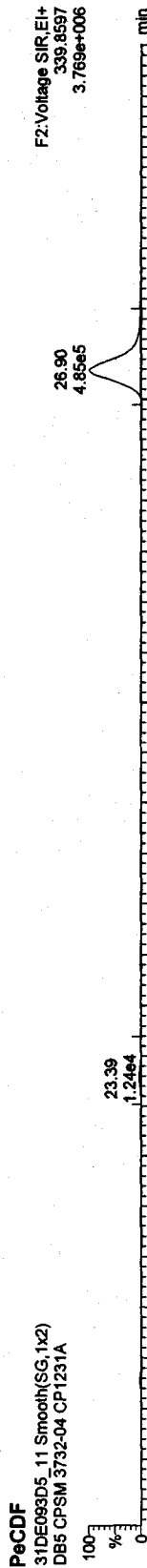
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time

Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04



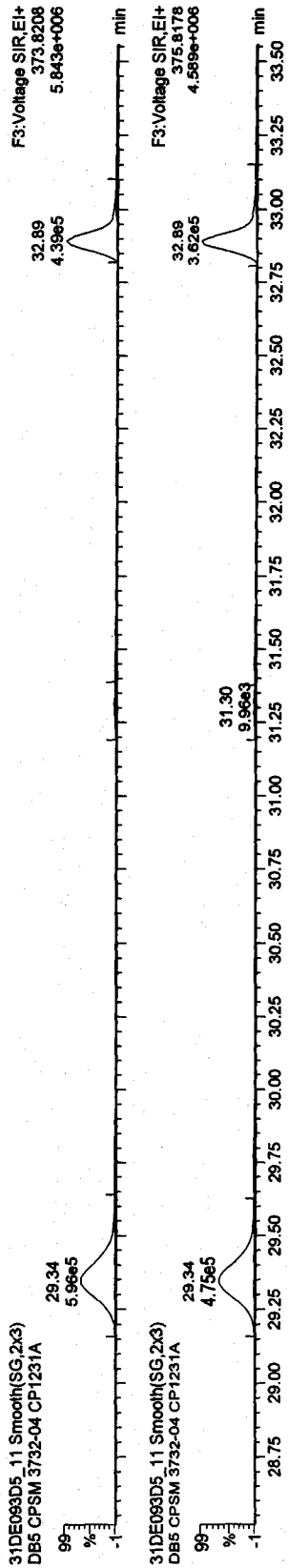
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

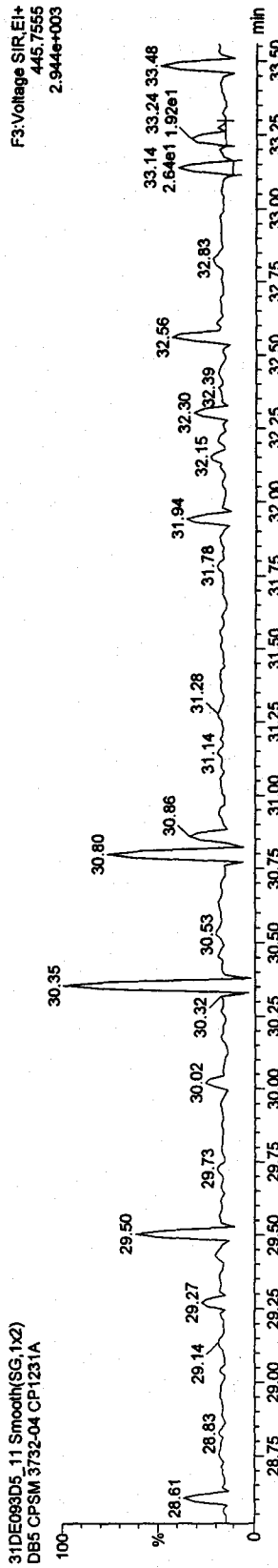
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

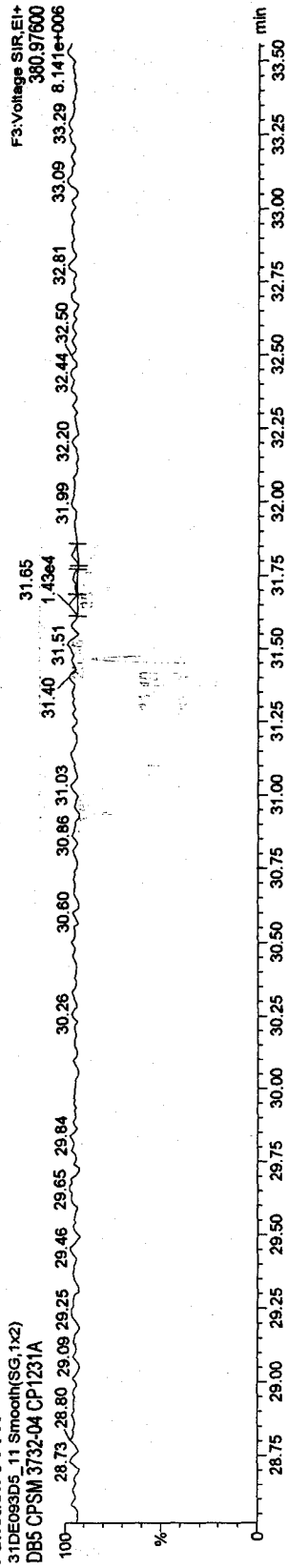
HxCDFs



HxCDF PCDPE



Function 3 PFK

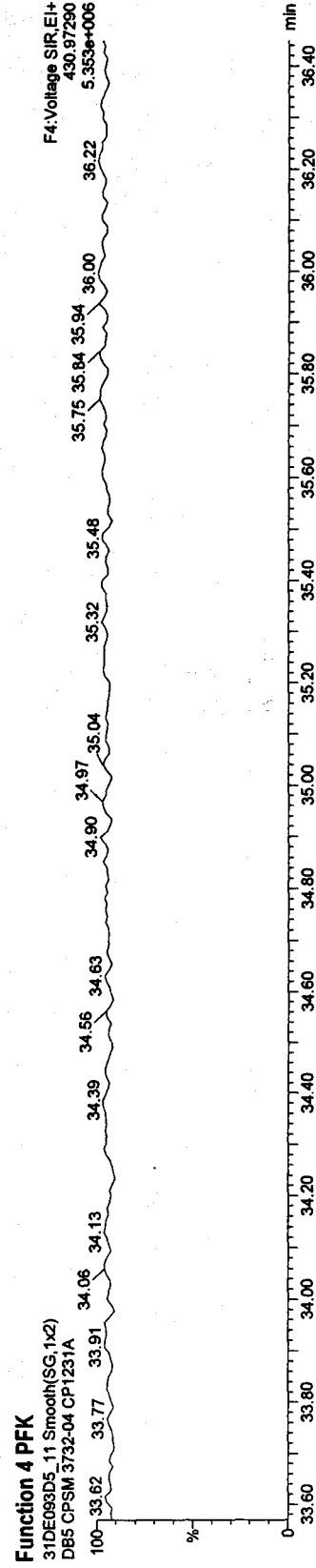
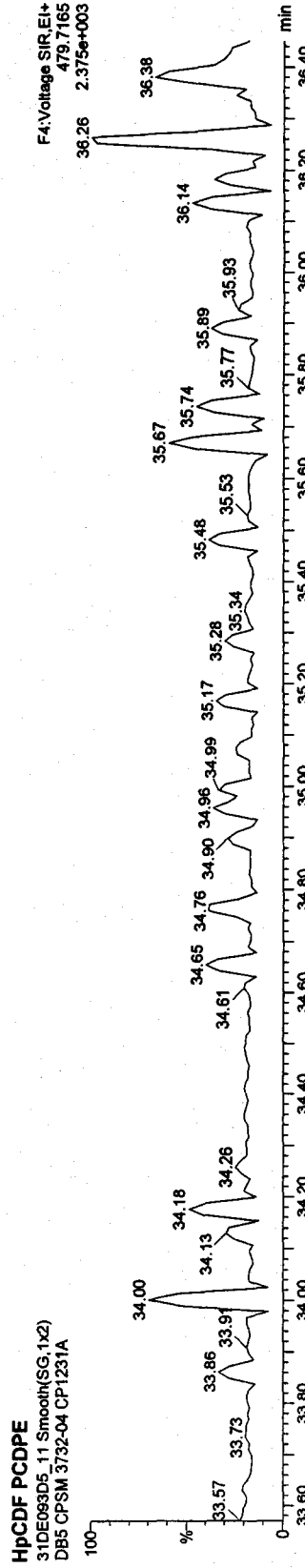
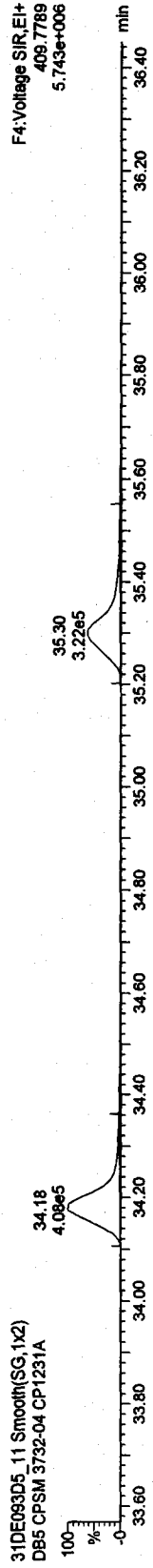
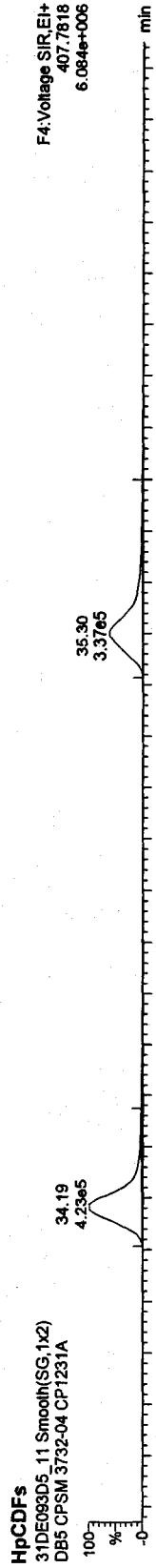


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\31DE093D51613.qld

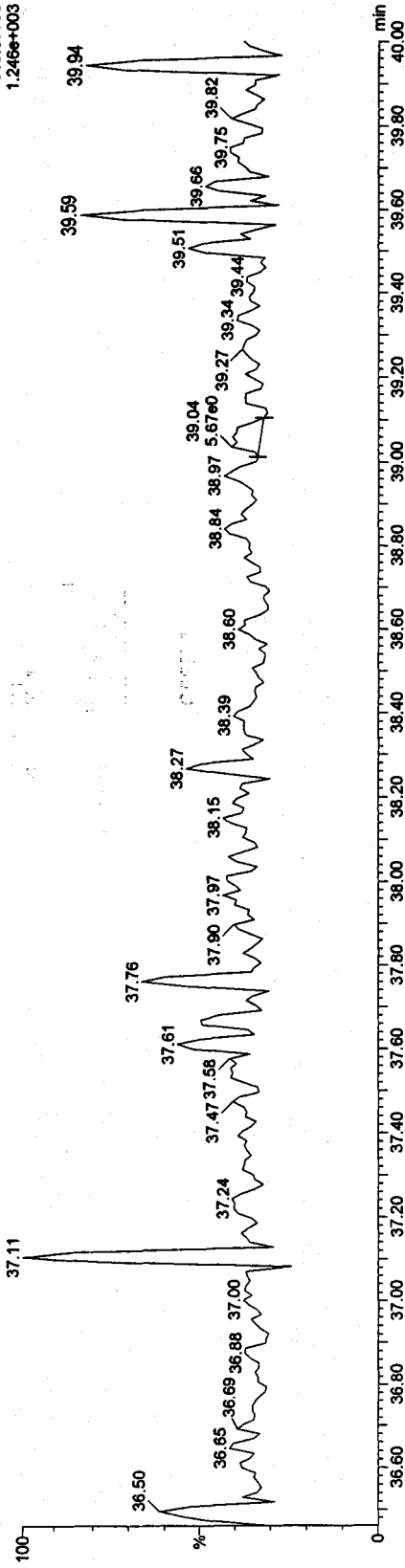
Last Altered: Monday, January 04, 2010 10:57:03 Pacific Standard Time  
Printed: Monday, January 04, 2010 10:58:04 Pacific Standard Time

Name: 31DE093D5\_11, Date: 31-Dec-2009, Time: 15:10:03, ID: CP1231A, Description: DB5 CPSM 3732-04

OCDF PCDPE

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

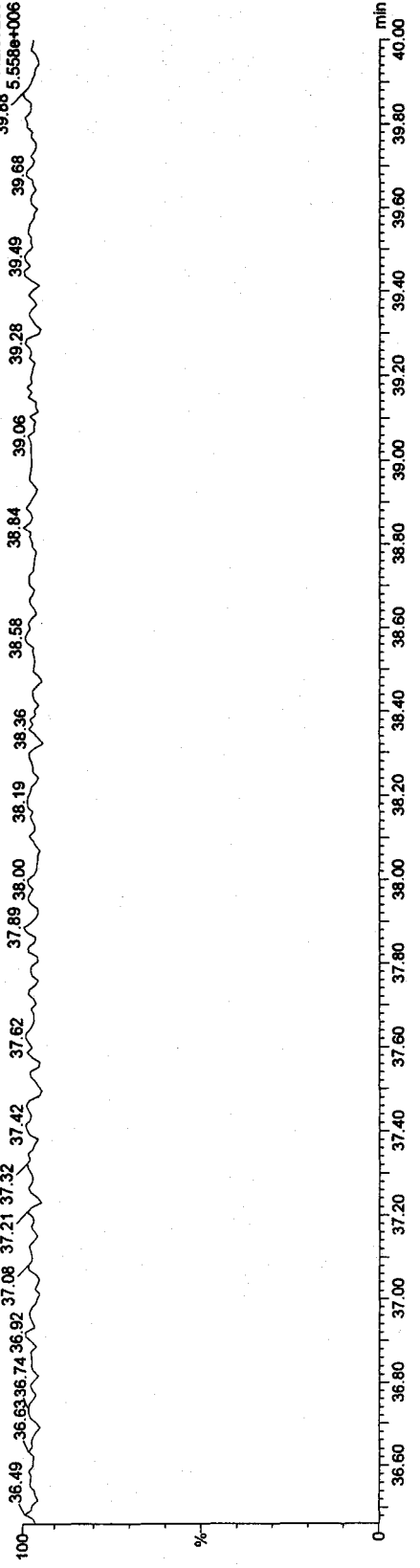
F5:Voltage SIR,EI+  
513.67750  
1.246e+003



Function 5 PFK

31DE093D5\_11 Smooth(SG,1x2)  
DB5 CPSM 3732-04 CP1231A

F5:Voltage SIR,EI+  
39.88 442.97280  
5.558e+006



## Initial Calibration Checklist Dioxin Methods

ICAL ID (DB225, DB225AIR) 0104105D2

Method ID 8290, 1612B, 23, 0023A, T09 Date Scanned \_\_\_\_\_

Column ID DB225 Instrument ID 502

STD ID's ST0104(D, E, F, H, G) STD Solution 09DXN(422, 423, 425, 426, 456)

GC Program DB225 Multiplier Setting 820

Analyzed By A.M. Date Analyzed 1/4/10

Prepared By M.G. Date Prepared 1/5/10

Reviewed By MEG Date Reviewed 1/5/10

	INITIAL	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓ (1)	(1)
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: (1) CRS failed (26.2%) + (26.9%) ∴ use for TCDF confirmation only. Do not report CRS using this ICV.

\*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: 04JJA10A5D2 Analyte: DB225

Cal: DB2250104105D2

ST0104D : CS-1 09DXN422  
ST0104G : CS-5 09DXN456

ST0104E : CS-2 09DXN423  
ST0104H : CS-4 09DXN426

ST0104F : CS-3 09DXN425

04JJA10B5D204JJA10B5D204JJA10B5D204JJA10B5D204JJA10B5D2

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.664	0.062	3.75 %	1.65	1.58	1.73	1.72	1.64
2,3,7,8-TCDF	1.014	0.078	7.69 %	1.14	0.94	0.97	1.01	1.00
13C-2,3,7,8-TCDD	0.951	0.045	4.78 %	0.98	0.90	0.99	0.98	0.91
2,3,7,8-TCDD	1.183	0.038	3.23 %	1.19	1.21	1.12	1.18	1.22
37Cl-2,3,7,8-TCDD	2.068	0.541	26.2 %	2.60	2.20	1.15	2.23	2.16

Run #1    Filename 04JA10B5D2    S: 3    I: 1  
Acquired: 4-JAN-10    22:54:06    Processed: 5-JAN-10    07:29:29  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2

Comments:

Sample text: ST0104D :CS-1 09DXN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	251267000	0.74 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	413691000	0.80 y	15:29	1.646	100.00	n
2,3,7,8-TCDF	2044403	0.94 n	15:30	0.988	0.50	n
13C-2,3,7,8-TCDD	246414000	0.74 y	14:09	0.981	100.00	n
2,3,7,8-TCDD	1464885	0.85 y	14:11	1.189	0.50	n
37Cl-2,3,7,8-TCDD	3270460	1.00 y	14:10	2.603	0.50	n

Run #1    Filename 04JA10B5D2    S: 3    I: 1  
Acquired: 4-JAN-10    22:54:06    Processed: 5-JAN-10    07:29:29  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2

Comments:

Sample text: ST0104D :CS-1 09DXN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	251267000	0.74 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	413691000	0.80 y	15:29	1.646	100.00	n
2,3,7,8-TCDF	2366310	0.82 y	15:30	1.144	0.50	y
13C-2,3,7,8-TCDD	246414000	0.74 y	14:09	0.981	100.00	n
2,3,7,8-TCDD	1464885	0.85 y	14:11	1.189	0.50	n
37Cl-2,3,7,8-TCDD	3270460	1.00 y	14:10	2.603	0.50	n



Run #2    Filename 04JA10B5D2    S: 4    I: 1  
Acquired: 4-JAN-10    23:31:09    Processed: 5-JAN-10    07:29:30  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2  
Comments:

Sample text: ST0104E :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	266401000	0.74 y	14:21	-	100.00	n
13C-2,3,7,8-TCDF	420343000	0.82 y	15:28	1.578	100.00	n
2,3,7,8-TCDF	7934710	0.83 y	15:29	0.944	2.00	n
13C-2,3,7,8-TCDD	239289000	0.76 y	14:08	0.898	100.00	n
2,3,7,8-TCDD	5783460	0.83 y	14:09	1.208	2.00	n
37Cl-2,3,7,8-TCDD	11695680	1.00 y	14:09	2.195	2.00	n

Run #3    Filename 04JA10B5D2    S: 5    I: 1  
Acquired: 5-JAN-10    00:08:17    Processed: 5-JAN-10    07:29:30  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2  
Comments:  
Sample text: ST0104F :CS-3 09DXN425

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	122886700	0.75 y	14:21	-	100.00	n
13C-2,3,7,8-TCDF	212032300	0.81 y	15:28	1.725	100.00	n
2,3,7,8-TCDF	20479400	0.82 y	15:29	0.966	10.00	n
13C-2,3,7,8-TCDD	121954600	0.77 y	14:08	0.992	100.00	n
2,3,7,8-TCDD	13669350	0.79 y	14:09	1.121	10.00	n
37Cl-2,3,7,8-TCDD	14173780	1.00 y	14:09	1.153	10.00	n

Run #4    Filename 04JA10B5D2    S: 6    I: 1  
Acquired: 5-JAN-10    00:45:19    Processed: 5-JAN-10    07:29:30  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2

Comments:

Sample text: ST0104G :CS-5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	175057200	0.77 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	301911000	0.81 y	15:29	1.725	100.00	n
2,3,7,8-TCDF	611201000	0.80 y	15:30	1.012	200.00	n
13C-2,3,7,8-TCDD	171409900	0.74 y	14:09	0.979	100.00	n
2,3,7,8-TCDD	403135000	0.80 y	14:11	1.176	200.00	n
37Cl-2,3,7,8-TCDD	779324000	1.00 y	14:10	2.226	200.00	n

Run #5    Filename 04JA10B5D2    S: 7    I: 1  
Acquired: 5-JAN-10    01:22:21    Processed: 5-JAN-10    07:29:31  
Run: 04JA10A5D2    Analyte: DB225    Cal: DB2250104105D2

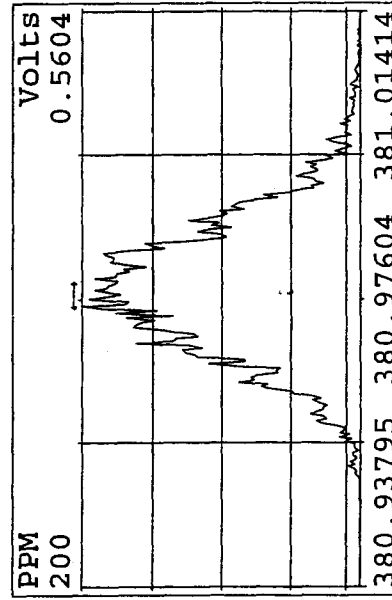
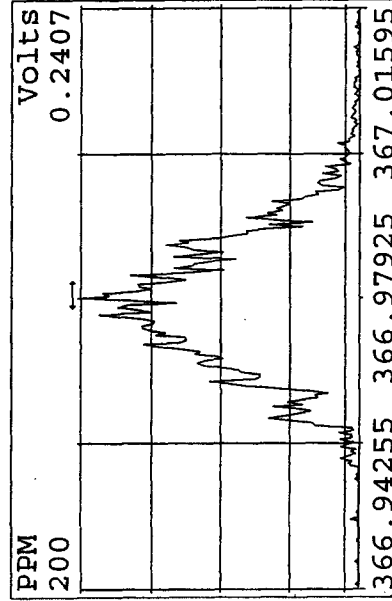
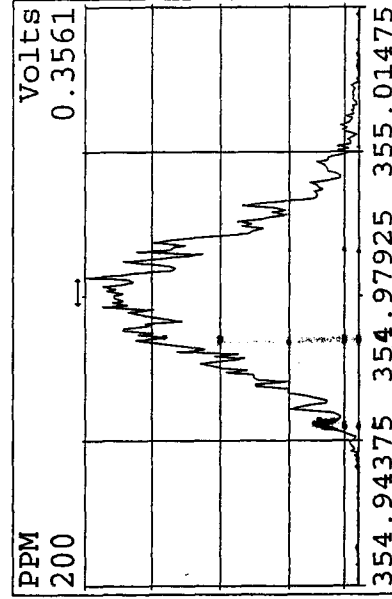
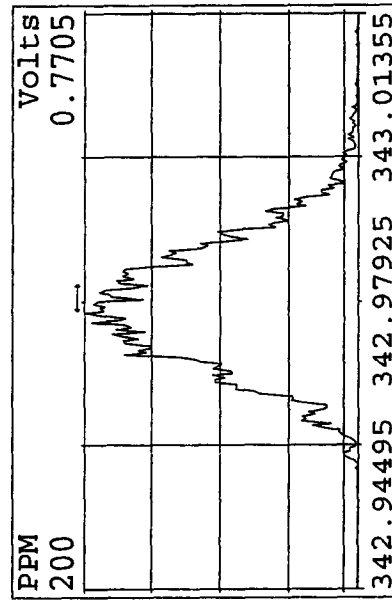
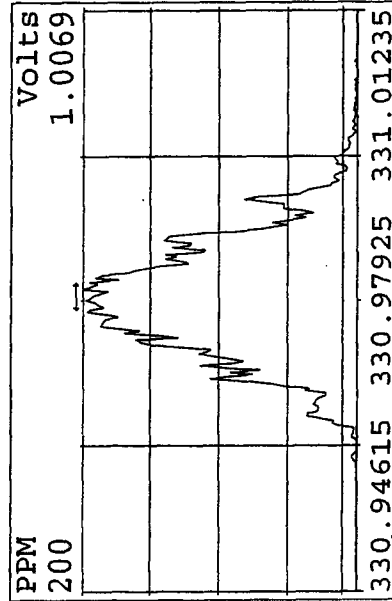
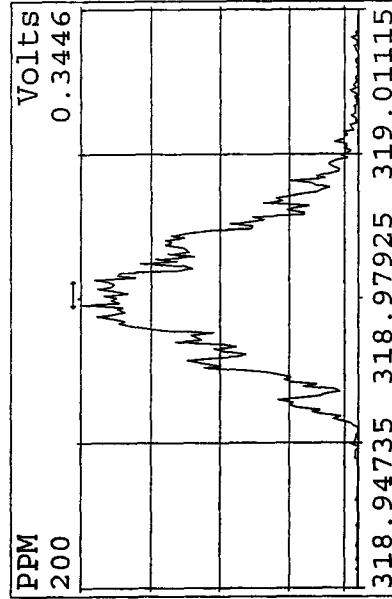
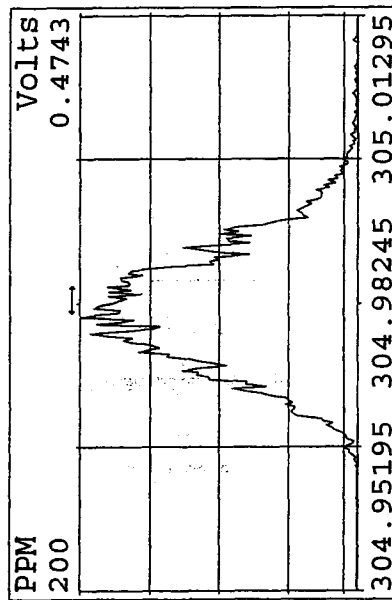
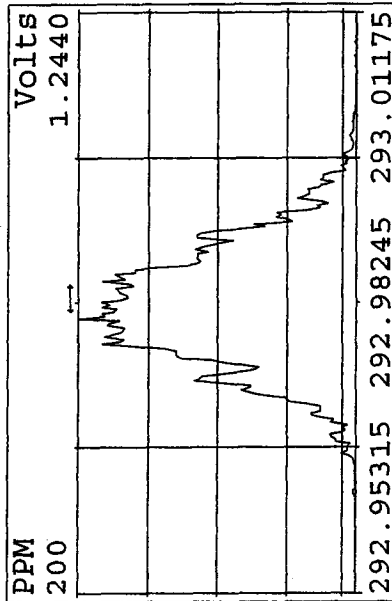
Comments:

Sample text: ST0104H :CS-4 09DXN426

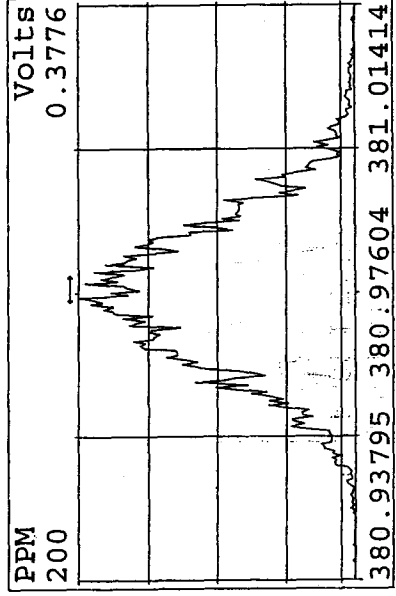
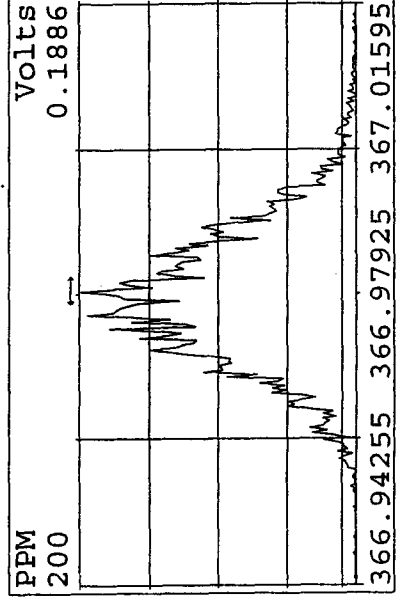
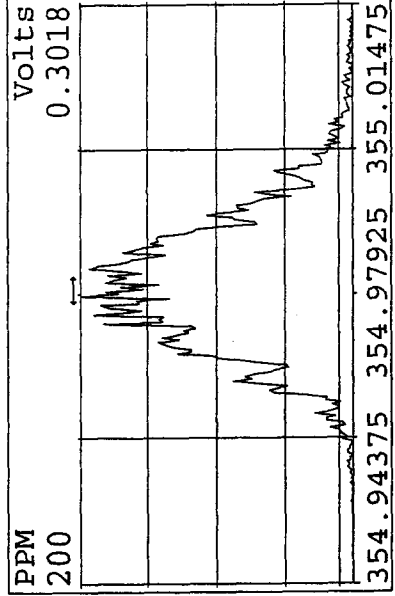
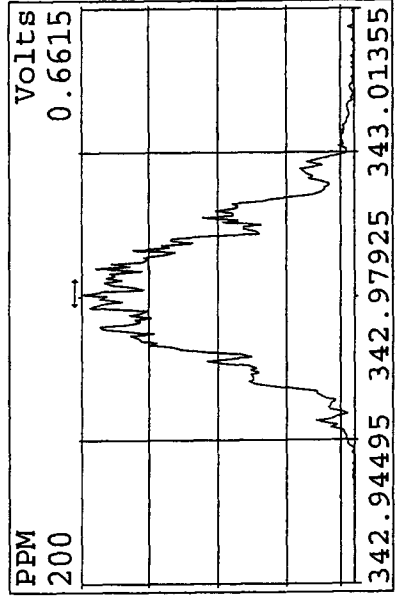
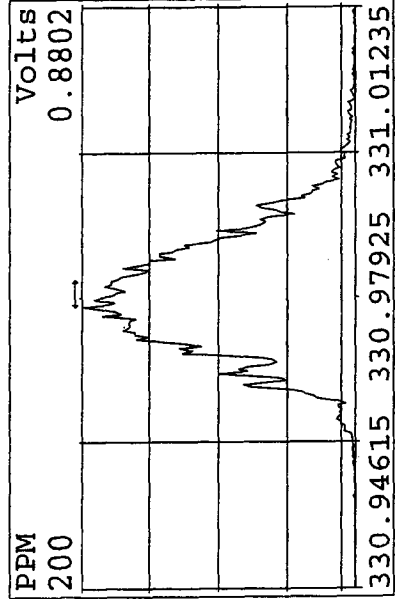
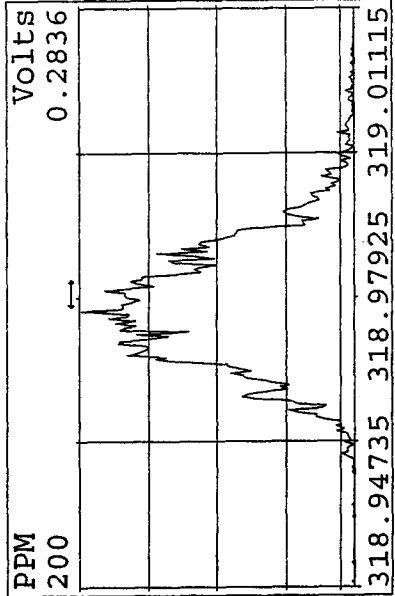
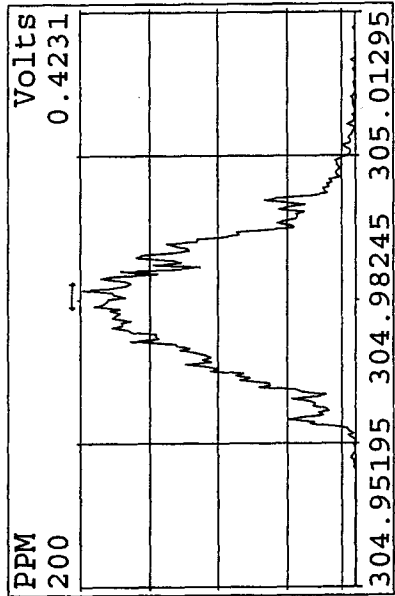
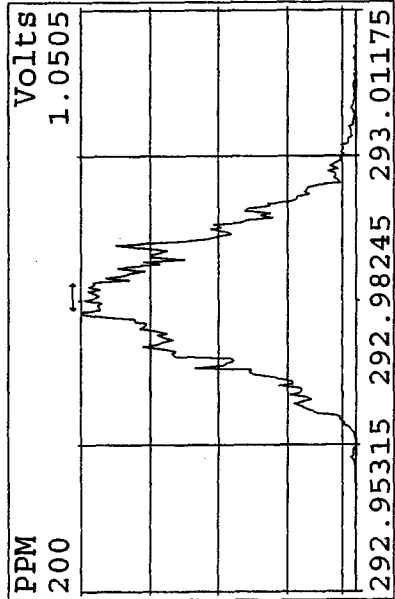
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	266035000	0.75 y	14:22	-	100.00	n
13C-2,3,7,8-TCDF	437272000	0.82 y	15:29	1.644	100.00	n
2,3,7,8-TCDF	175195400	0.81 y	15:30	1.002	40.00	n
13C-2,3,7,8-TCDD	240856000	0.75 y	14:09	0.905	100.00	n
2,3,7,8-TCDD	117378400	0.80 y	14:10	1.218	40.00	n
37Cl-2,3,7,8-TCDD	230058000	1.00 y	14:10	2.162	40.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04JA10B5D2	1	CP0104B	DB225 CPSM 3732-01				1.000	
04JA10B5D2	2	CP0104C	DB225 CPSM 3732-01				1.000	
04JA10B5D2	3	ST0104D	CS-1 09DXN422				1.000	
04JA10B5D2	4	ST0104E	CS-2 09DXN423				1.000	
04JA10B5D2	5	ST0104F	CS-3 09DXN425				1.000	
04JA10B5D2	6	ST0104G	CS-5 09DXN456				1.000	
04JA10B5D2	7	ST0104H	CS-4 09DXN426				1.000	
04JA10B5D2	8	ST0104I	2nd Source 09DXN449				1.000	
04JA10B5D2	9						1.000	
04JA10B5D2	10						1.000	
04JA10B5D2	11						1.000	
04JA10B5D2	12						1.000	
04JA10B5D2	13						1.000	
04JA10B5D2	14		AM 01-04-10				1.000	
04JA10B5D2	15						1.000	

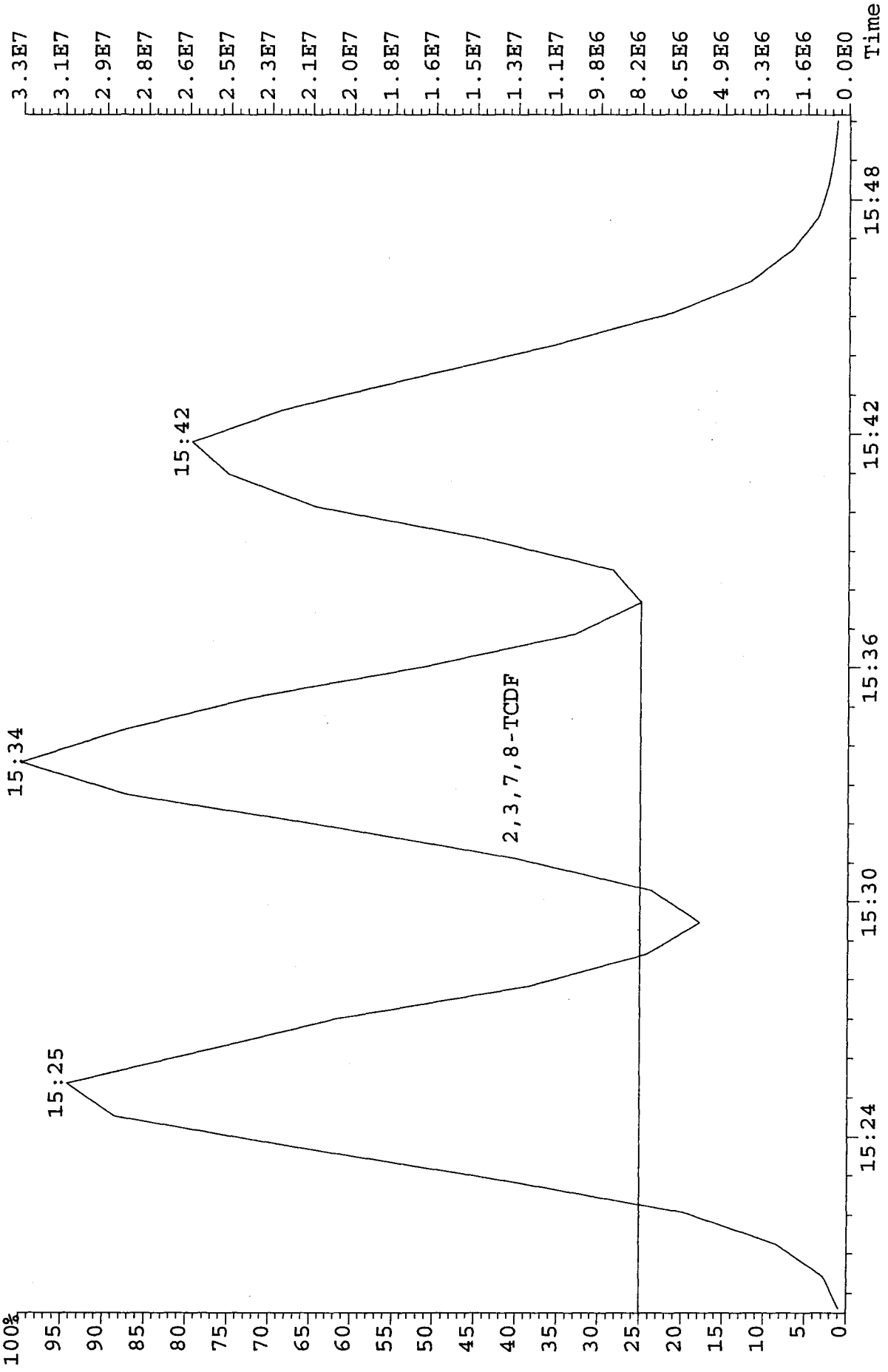
Peak Locate Examination: 4-JAN-2010:21:33 File:04JA10B5D2  
 Experiment:DB225 Function:1 Reference:PFK



Peak Locate Examination: 5-JAN-2010:07:37 File:ENDRES04JA10B5D2  
 Experiment:DB225 Function:1 Reference:PFK



File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:17:05 GC EI+ Voltage SIR 70SE  
 303.9016 S:2 BSUB(128,15,-3.0) Exp:DB225 Noise:3300  
 Sample Text:CP0104C :DB225 CPSM 3732-01

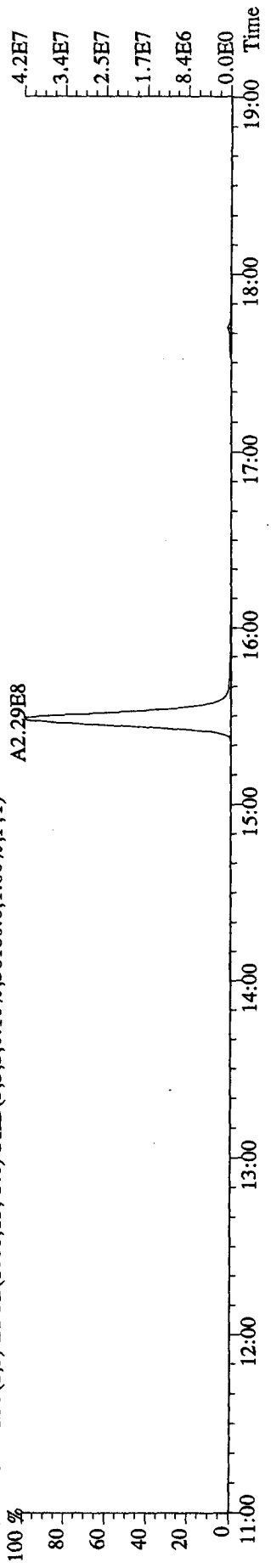
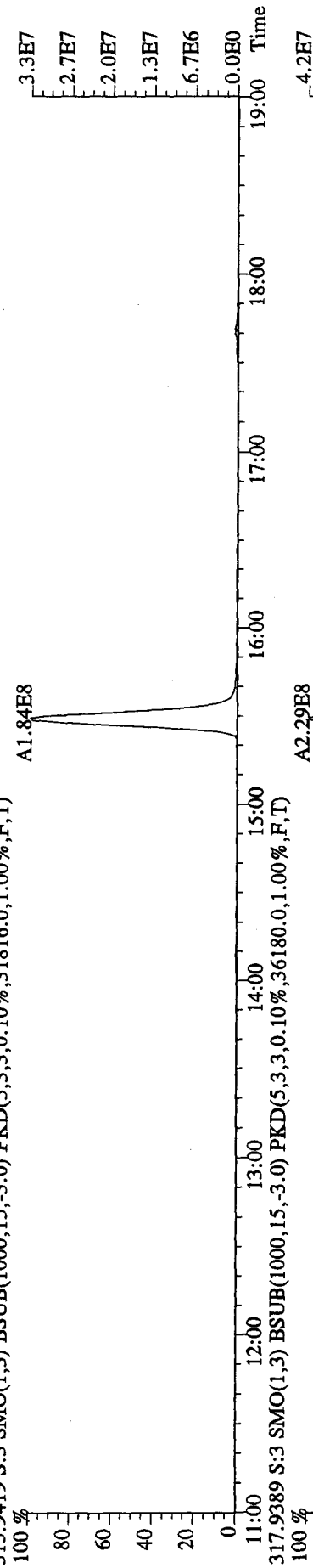
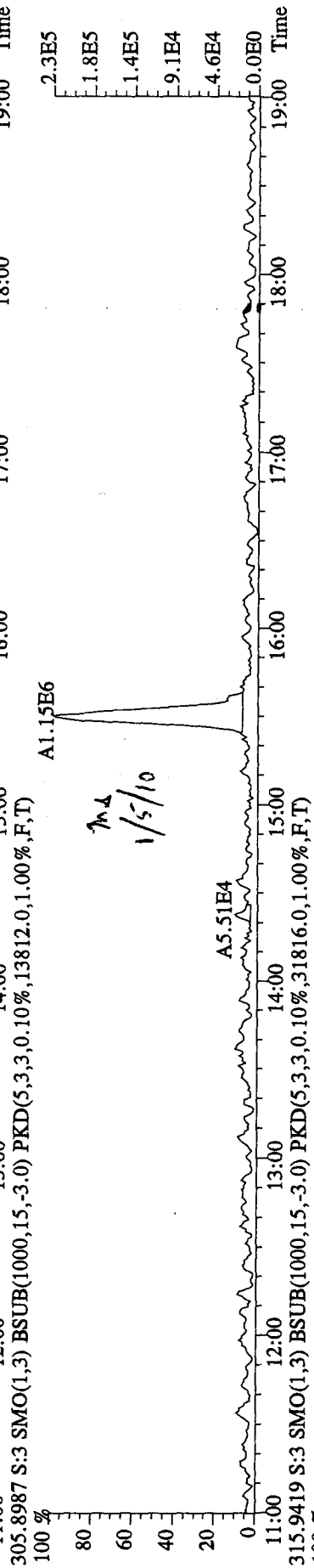
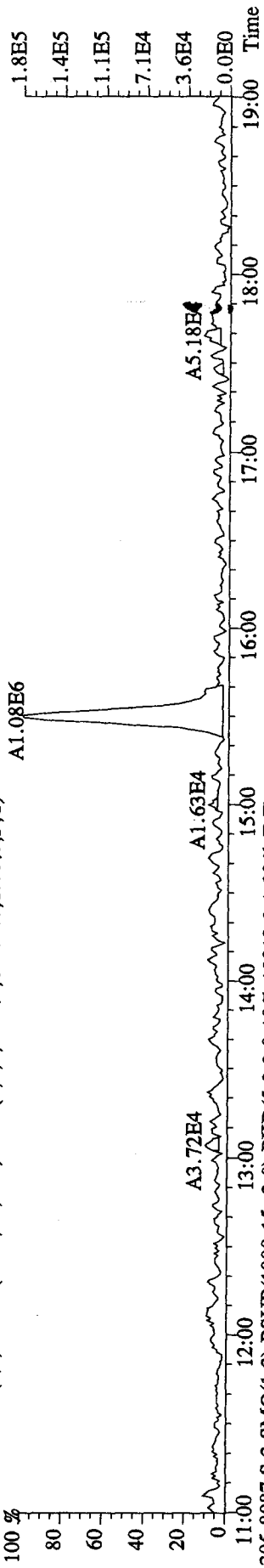




Run text: ST0104I Sample text: ST0104I :2nd Source 09DXN449  
 Run #6 Filename: 04JA10B5D2 S: 8 I: 1 Results: 04JA10B5D2DB225  
 Acquired: 5-JAN-10 01:59:23 Processed: 5-JAN-10 07:32:10  
 Run: 04JA10B5D2 Analyte: DB225 Cal: DB2250104105D2  
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	231493400	0.75 y	14:21	-	107.01	-	-	n
13C-2,3,7,8-TCDF	411344000	0.79 y	15:29	1.66	2136.22	5.10	106.8	n
2,3,7,8-TCDF	39223200	0.79 y	15:30	1.01	188.17	2.13	-	n
13C-2,3,7,8-TCDD	223989400	0.75 y	14:08	0.95	2034.51	6.92	101.7	n
2,3,7,8-TCDD	26173300	0.82 y	14:09	1.18	197.63	2.54	-	n
37C1-2,3,7,8-TCDD	54459400	1.00 y	14:09	2.07	227.53	1.20	113.8	n

File: 041A10B5D2 #1-1242 Acq: 4-JAN-2010 22:54:06 GC EI+ Voltage SIR 70SE  
 Sample#3 Text: ST0104D :CS-1 09DXN422 Exp: DB225  
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10356.0,1.00%,F,T)

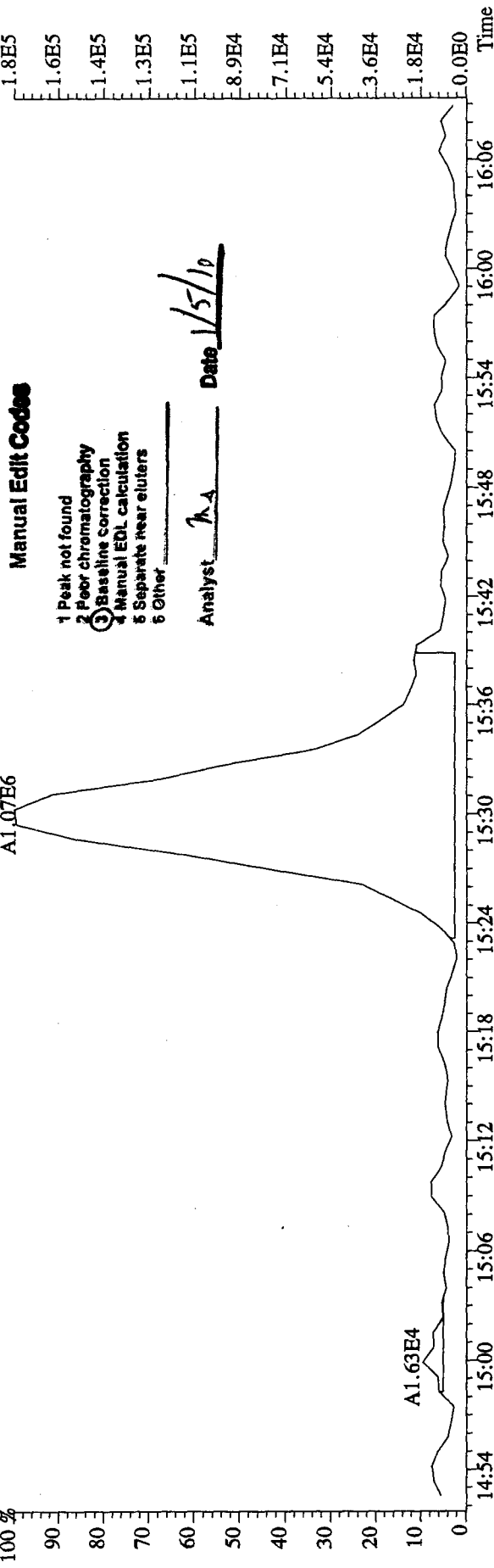


File: 04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:54:06 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST0104D :CS-1 09DXN422 Exp:DB225

303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10356.0,1.00%,F,T)

A1.07E6



**Manual Edit Codes**

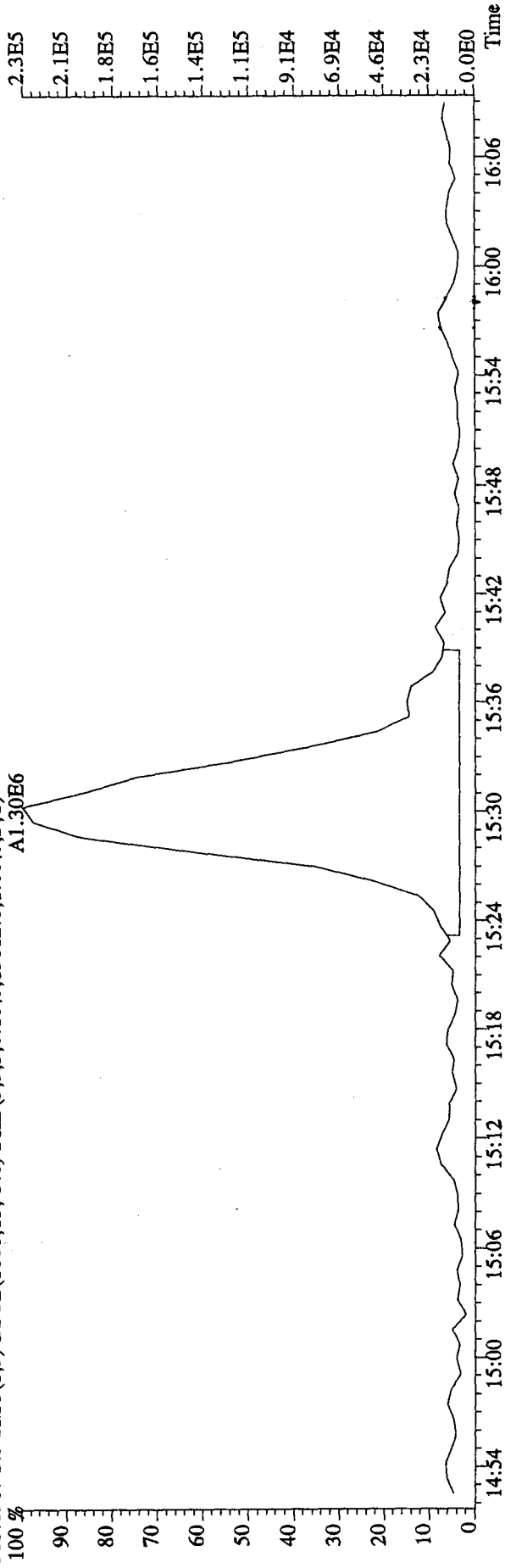
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline Correction
- 4 Manual EDI calculation
- 5 Separate near eluters
- 6 Other

Analyst h.A

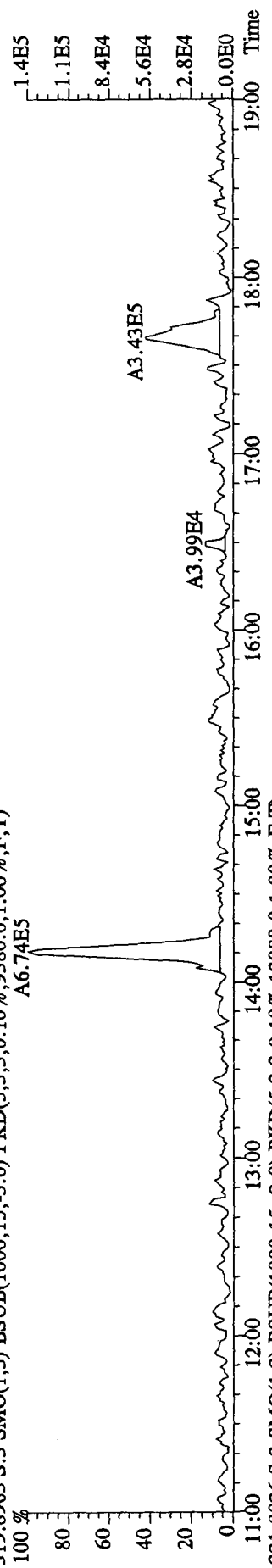
Date 1/5/10

305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13812.0,1.00%,F,T)

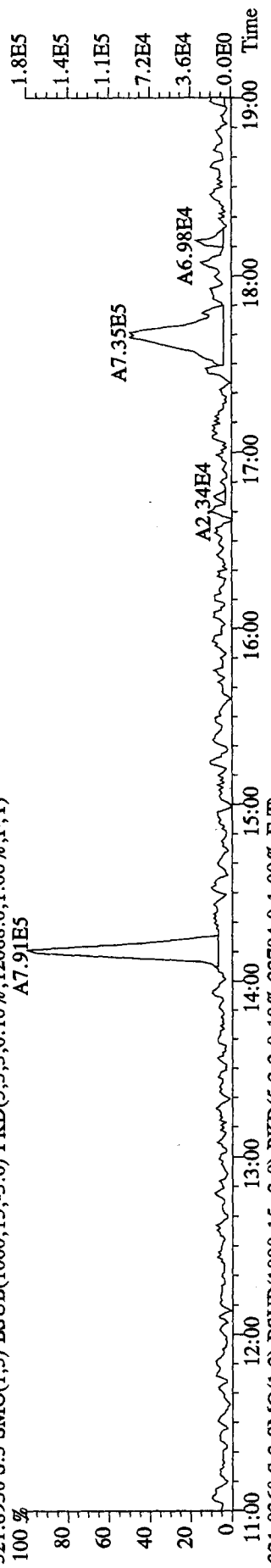
A1.30E6



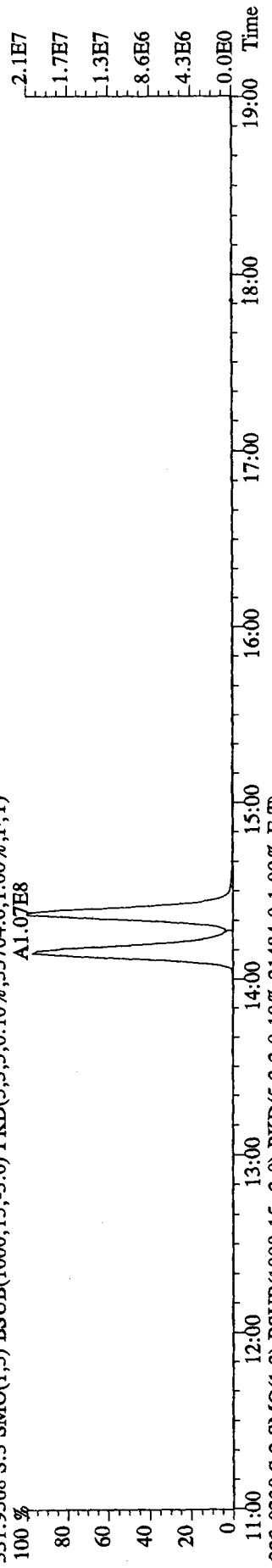
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:54:06 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST0104D :CS-1 09DXN422 Exp:DB225  
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9380.0,1.00%,F,T)  
 A6.74E5



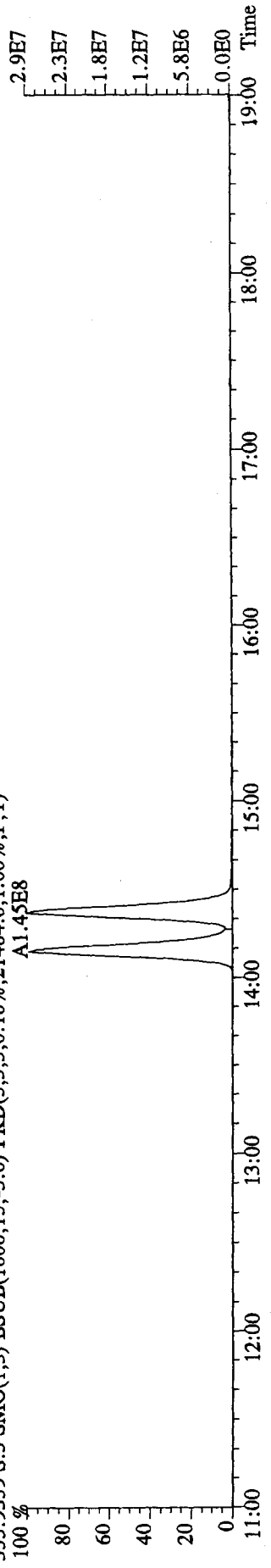
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12088.0,1.00%,F,T)  
 A7.91E5



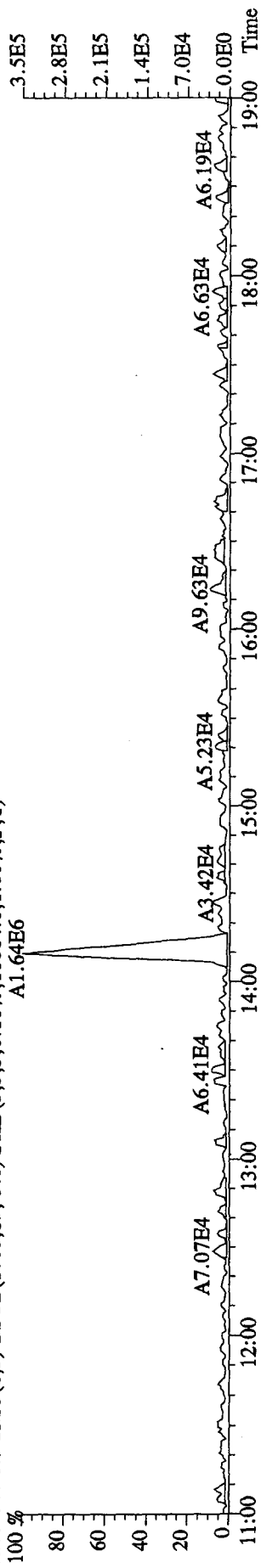
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33704.0,1.00%,F,T)  
 A1.07E8



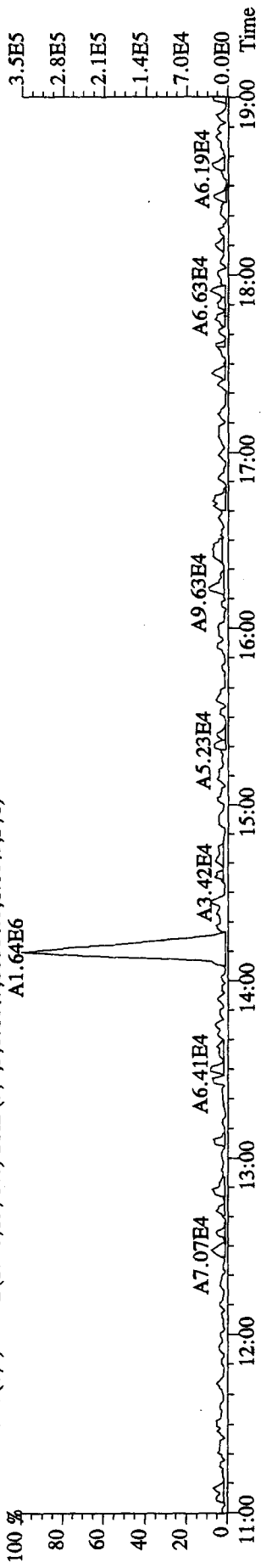
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21484.0,1.00%,F,T)  
 A1.45E8



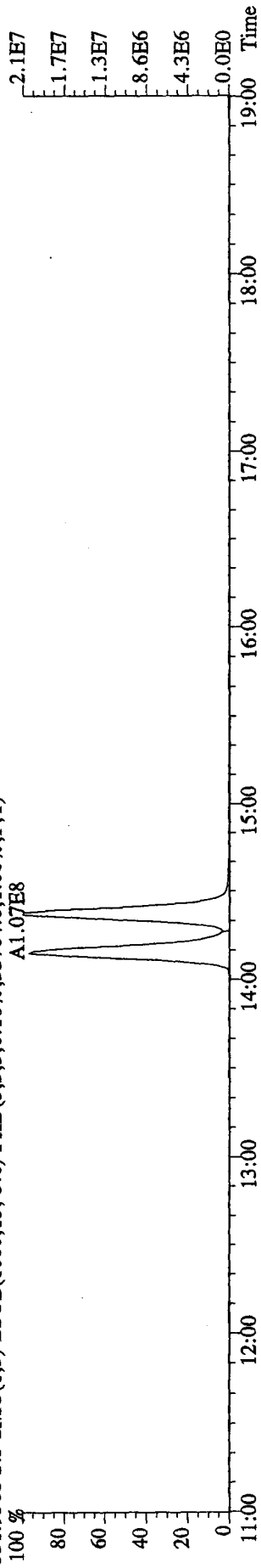
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:54:06 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST0104D :CS-1 09DXN422 Exp:DB225  
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10864.0,1.00%,F,T)  
 A1.64E6



327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10864.0,1.00%,F,T)  
 A1.64E6

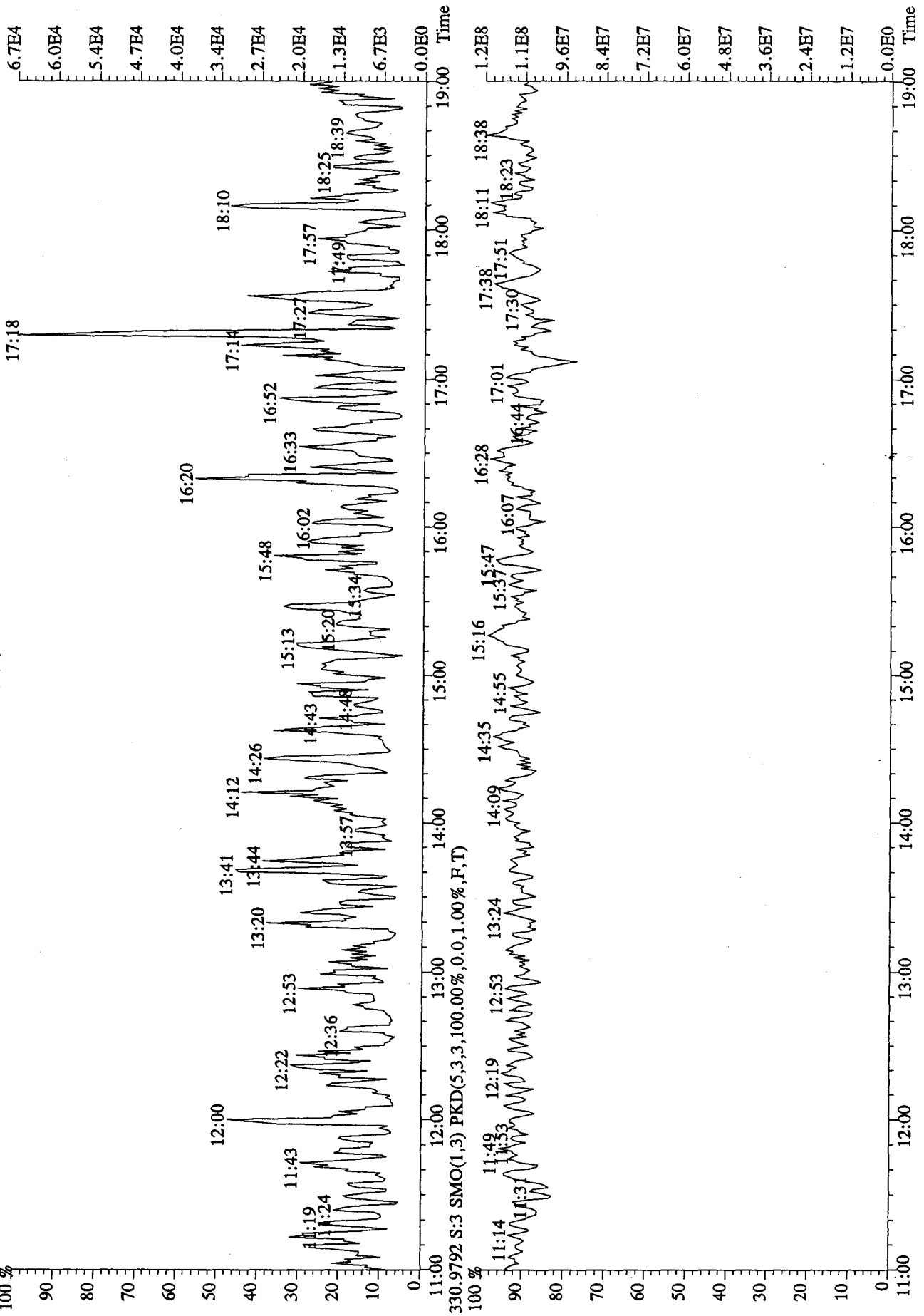


331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33704.0,1.00%,F,T)  
 A1.07E8

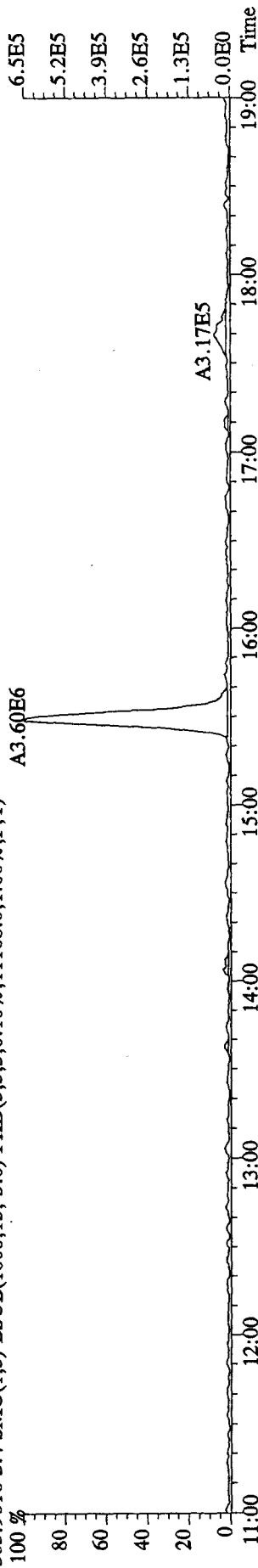


333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21484.0,1.00%,F,T)  
 A1.45E8

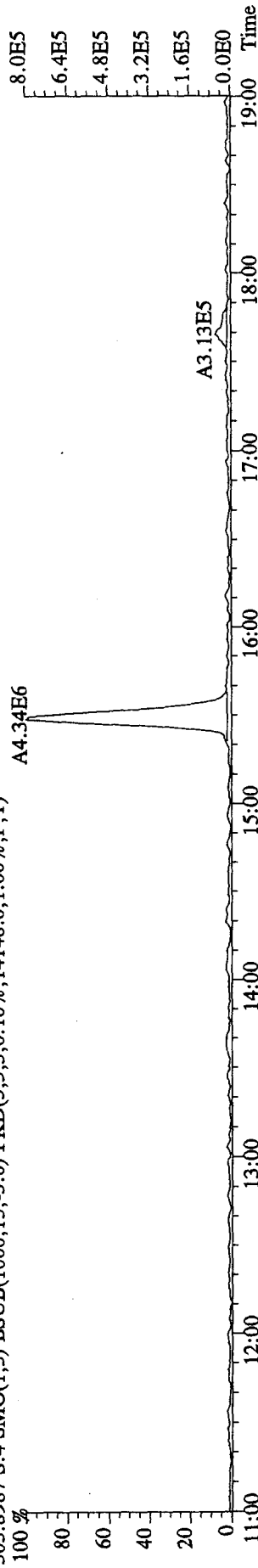
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:54:06 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST0104D :CS-1 09DXN422 Exp:DB225  
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,10952.0,1.00%,F,T)



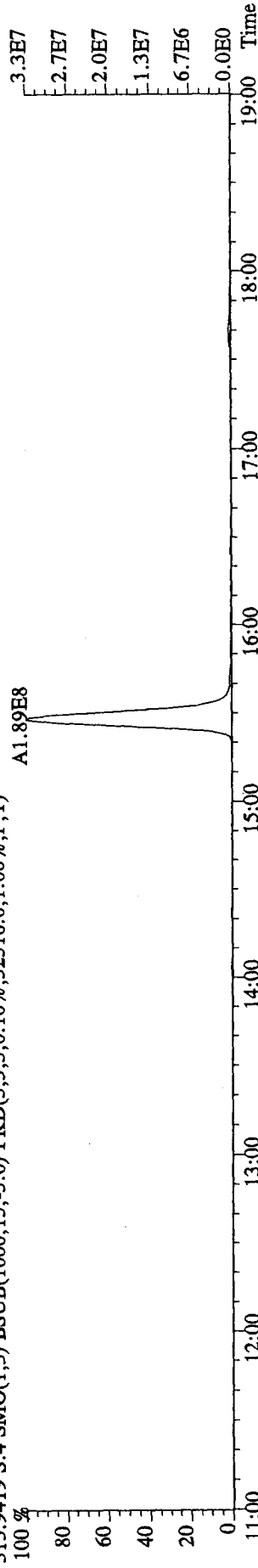
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 23:31:09 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST0104E :CS-2 09DXN423 Exp:DB225  
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14148.0,1.00%,F,T)



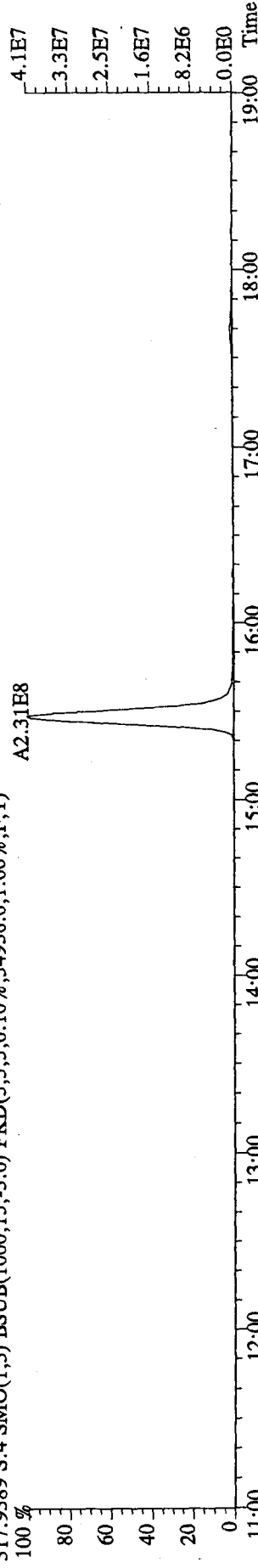
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14148.0,1.00%,F,T)



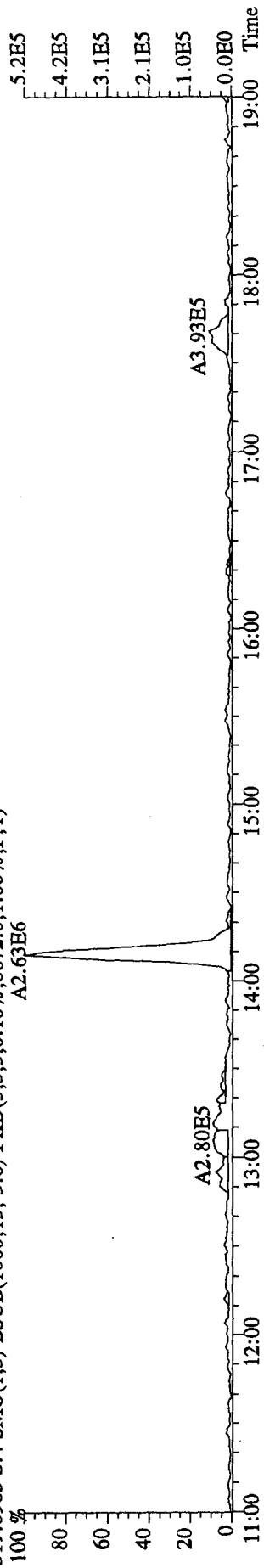
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,32316.0,1.00%,F,T)



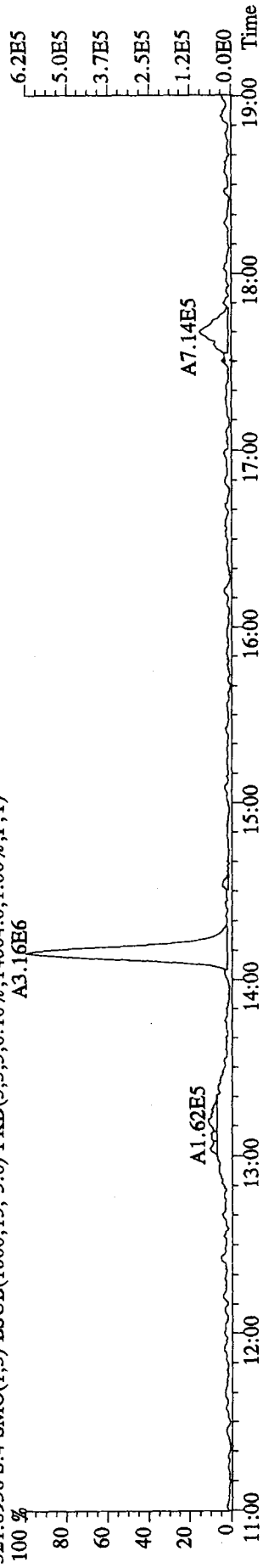
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,34956.0,1.00%,F,T)



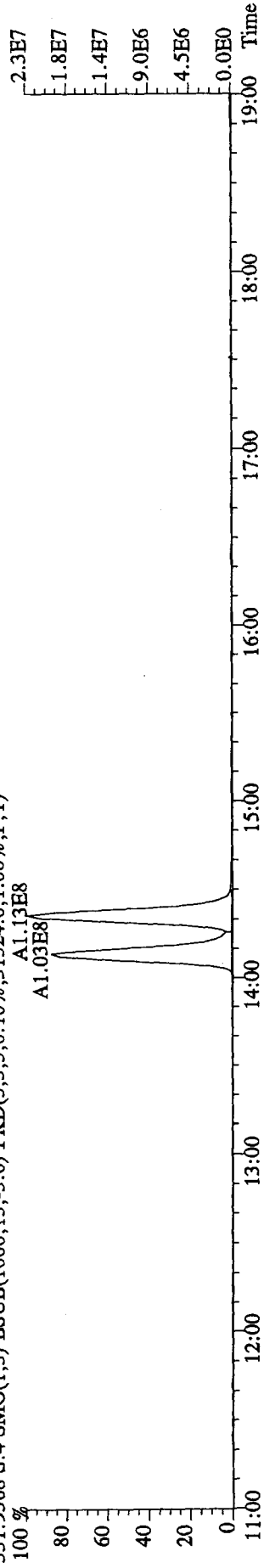
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 23:31:09 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST0104E :CS-2 09DXN423 Exp:DB225  
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8672.0,1.00%,F,T)  
 A2.80E5  
 A2.63E6



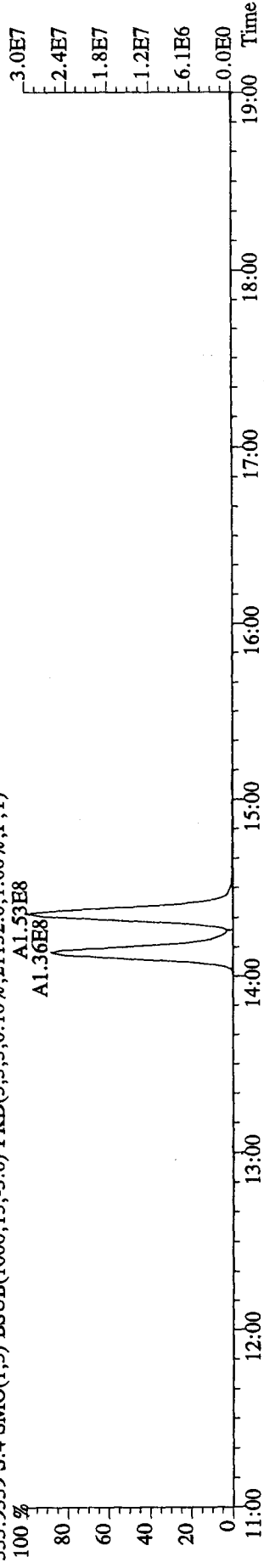
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14004.0,1.00%,F,T)  
 A1.62E5  
 A3.16E6



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31524.0,1.00%,F,T)  
 A1.03E8  
 A1.13E8

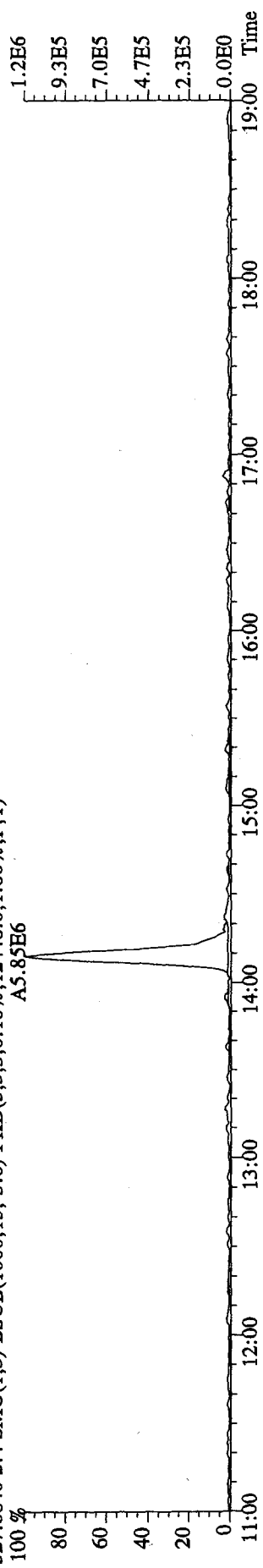


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21132.0,1.00%,F,T)  
 A1.36E8  
 A1.53E8





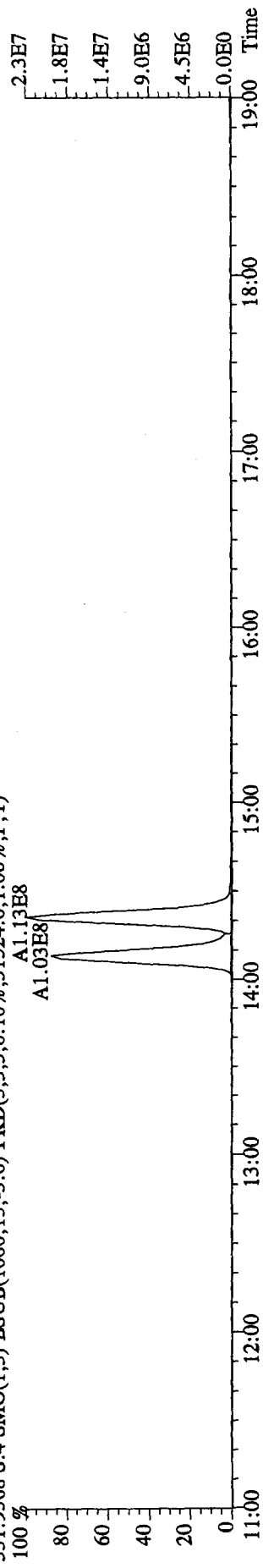
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 23:31:09 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST0104E :CS-2 09DXN423 Exp:DB225  
 327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12448.0,1.00%,F,T)  
 A5.85E6



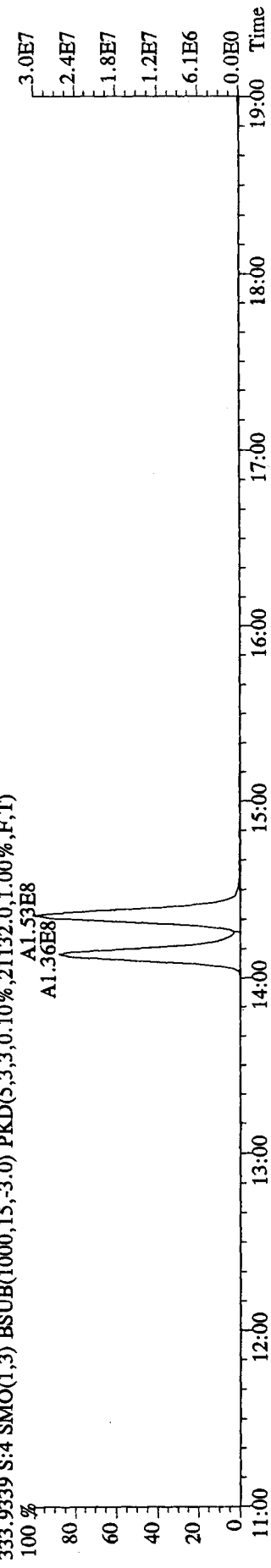
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31524.0,1.00%,F,T)  
 A1.13E8



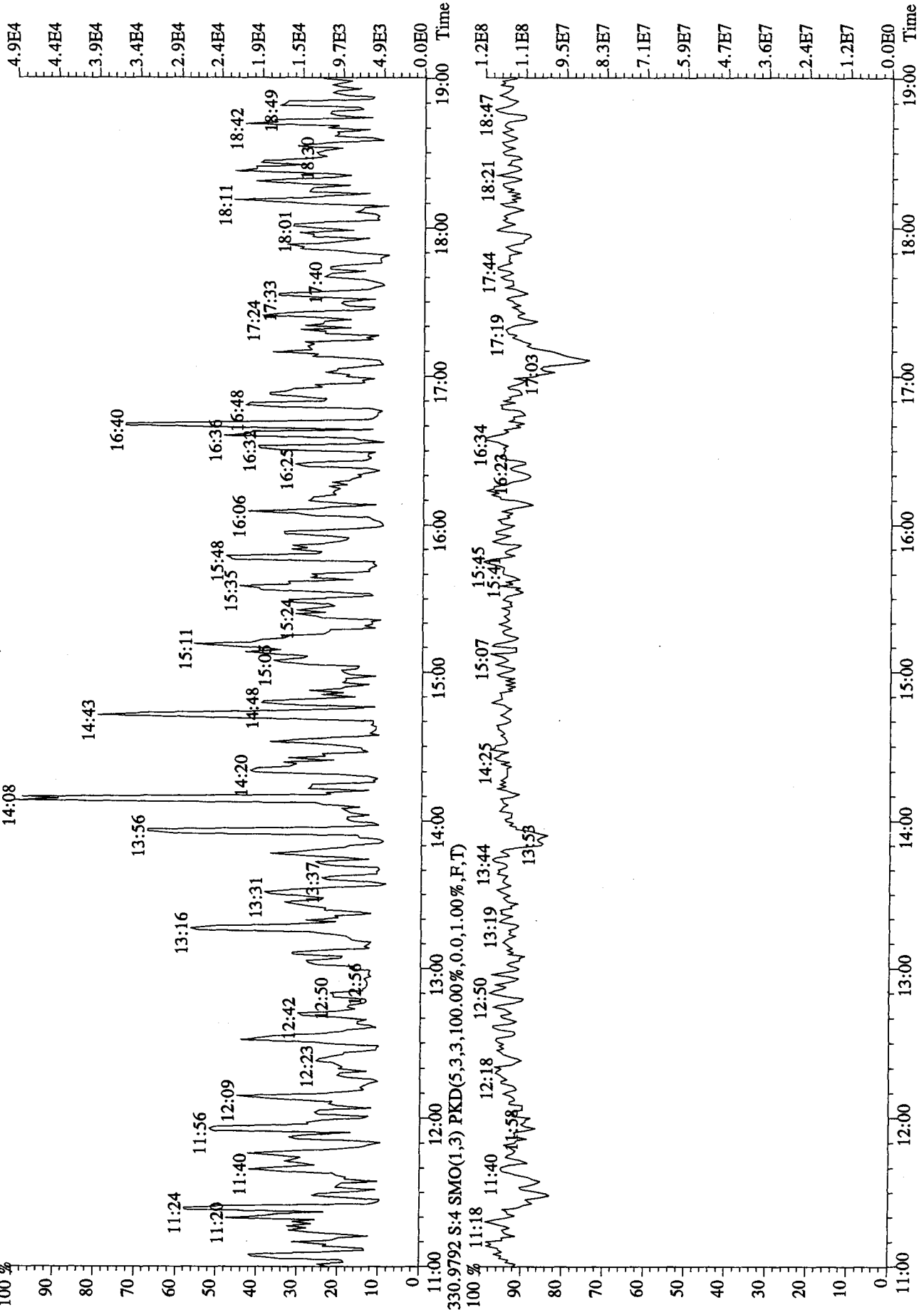
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21132.0,1.00%,F,T)  
 A1.36E8



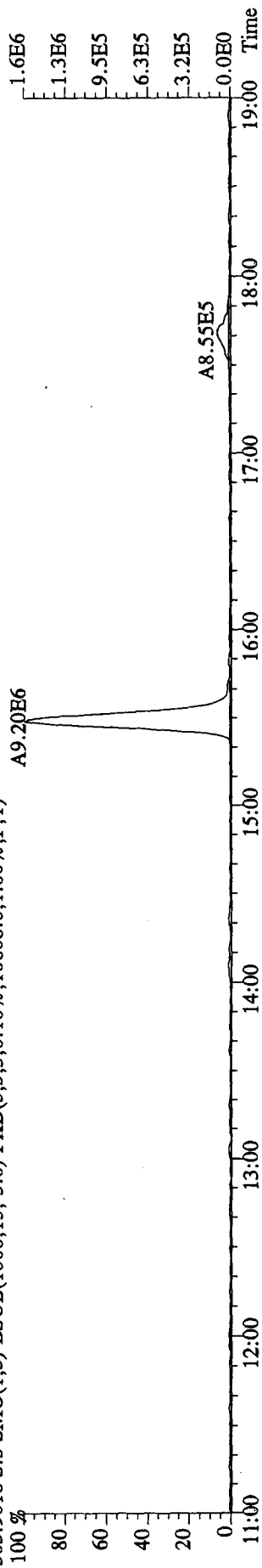
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12448.0,1.00%,F,T)  
 A5.85E6



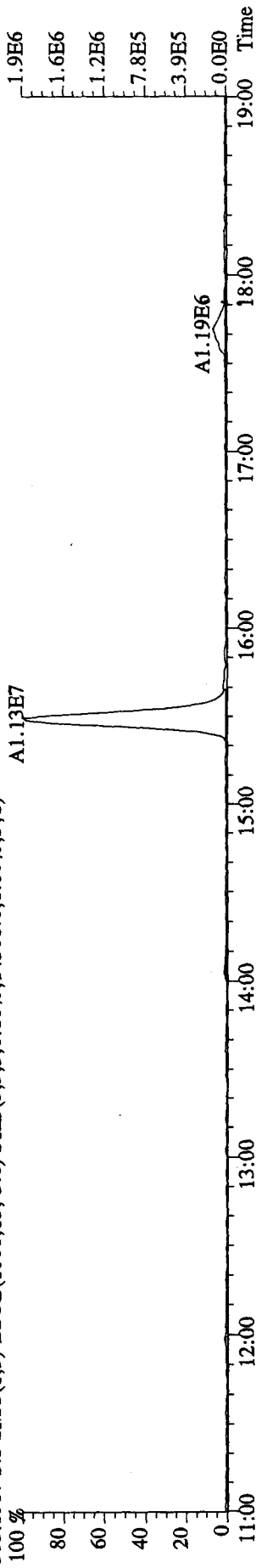
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 23:31:09 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST0104E :CS-2 09DXN423 Exp:DB225  
 375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,13204.0,1.00%,F,T)



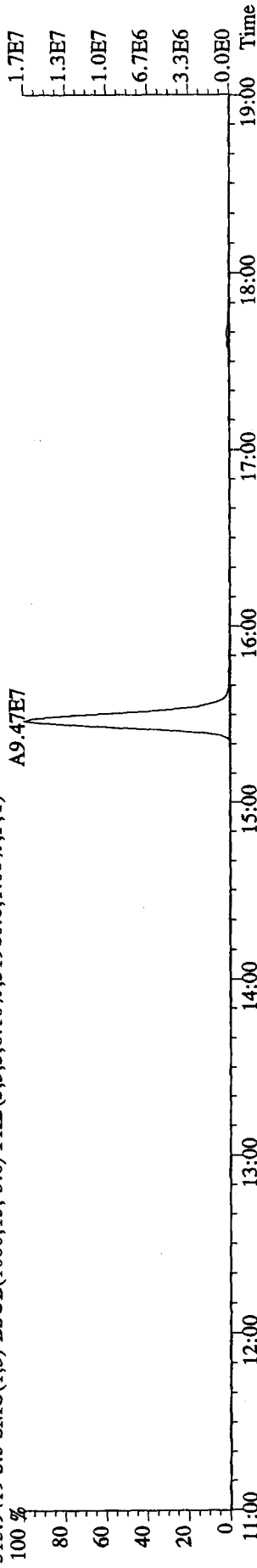
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 00:08:17 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST0104F :CS-3 09DXN425 Exp:DB225  
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10608.0,1.00%,F,T)



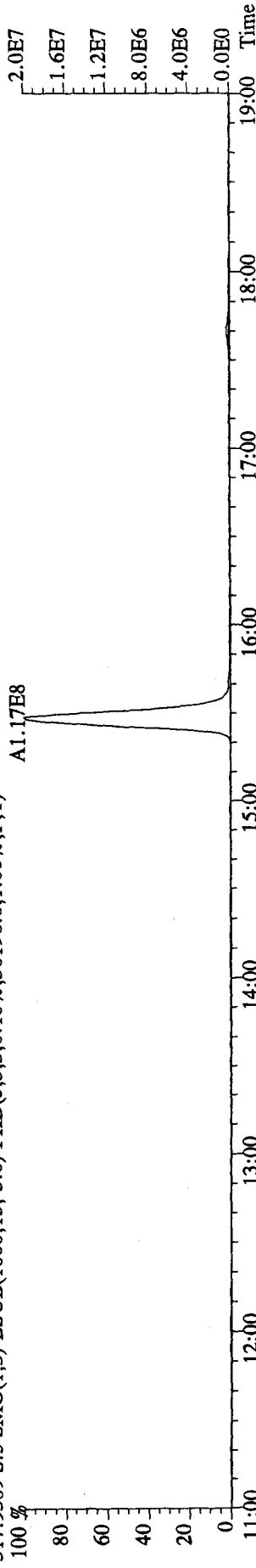
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14308.0,1.00%,F,T)



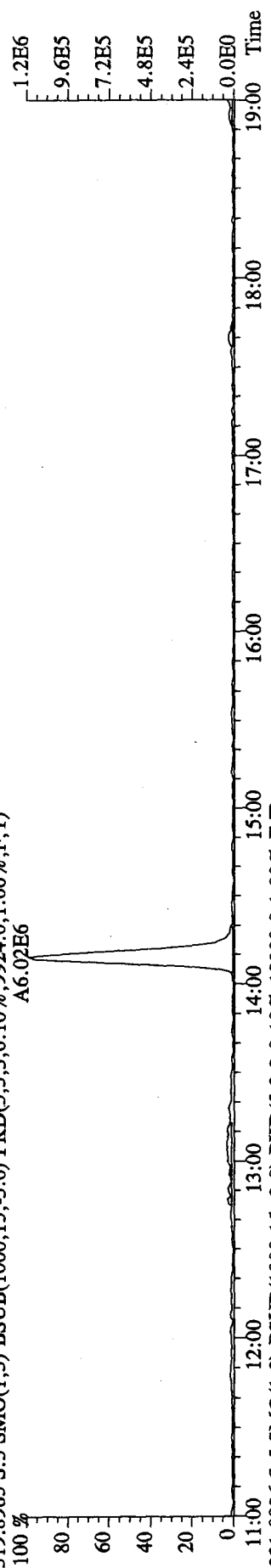
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31960.0,1.00%,F,T)



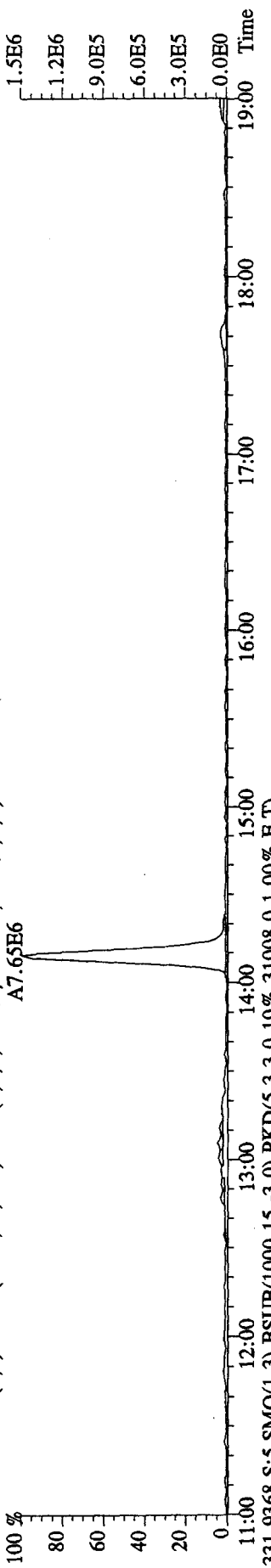
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36196.0,1.00%,F,T)



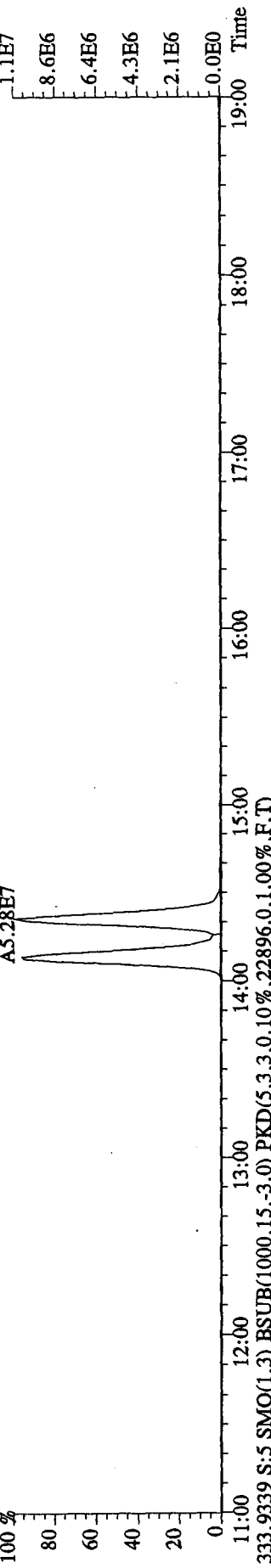
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 00:08:17 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST0104F :CS-3 09DXN425 Exp:DB225  
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9924,0,1.00%,F,T)  
 A6.02E6



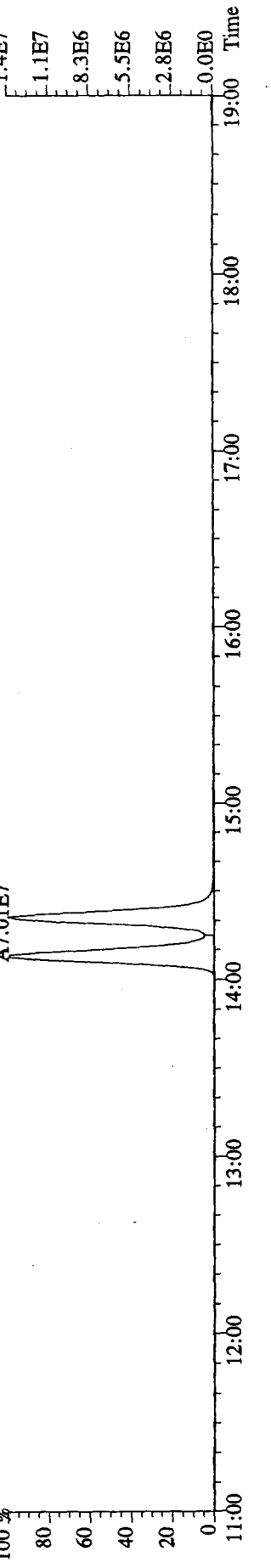
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13300,0,1.00%,F,T)  
 A7.65E6



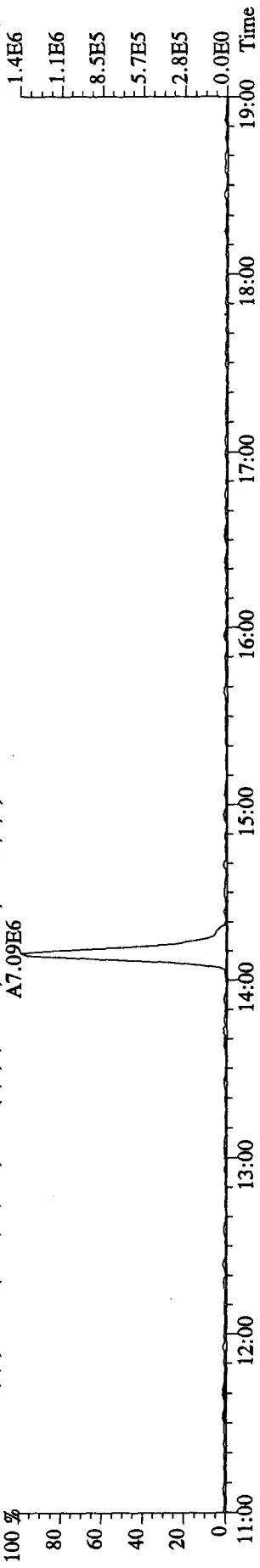
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31008,0,1.00%,F,T)  
 A5.28E7



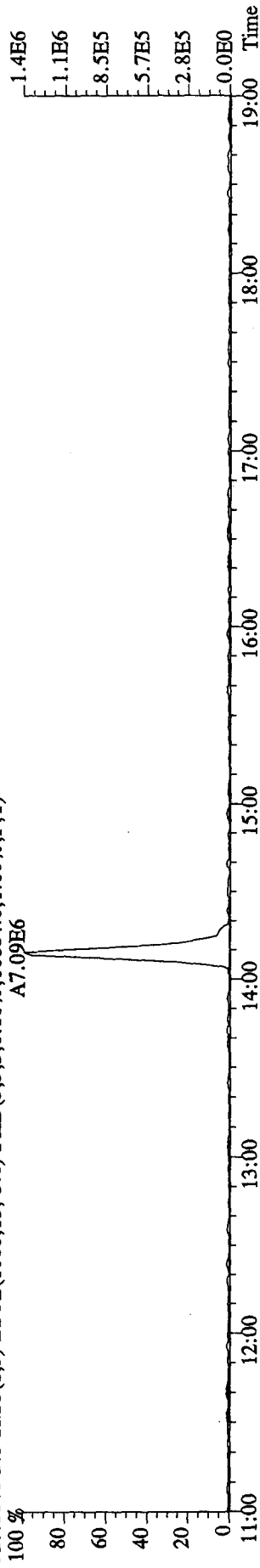
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22896,0,1.00%,F,T)  
 A7.01E7



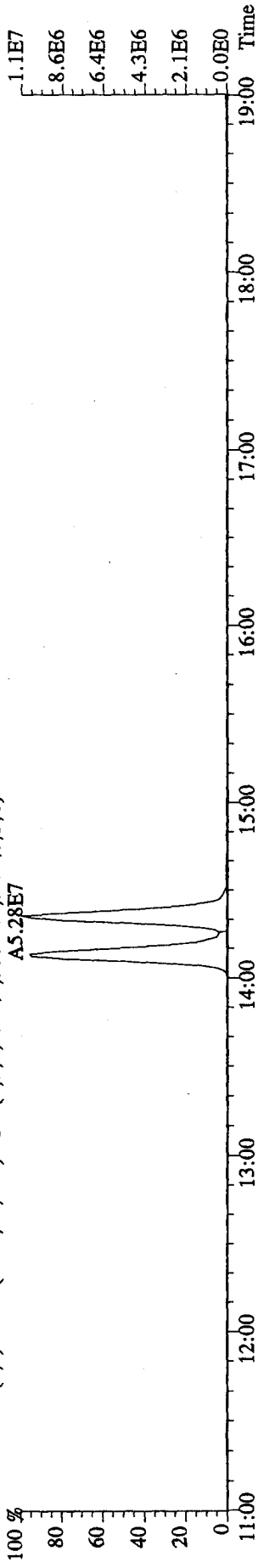
File:04IA10B5D2 #1-1242 Acq: 5-JAN-2010 00:08:17 GC HI+ Voltage SIR 70SE  
 Sample#5 Text:ST0104F :CS-3 09DXN425 Exp:DB225  
 327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10684.0,1.00%,F,T)  
 A7.09E6



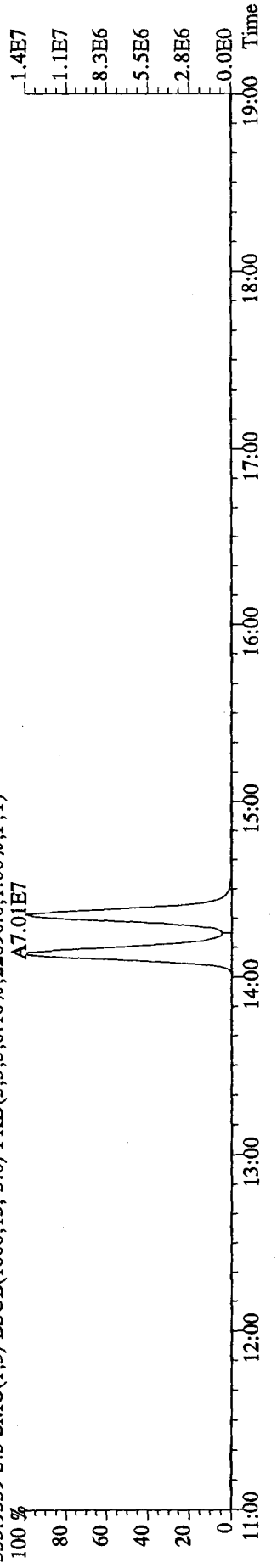
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10684.0,1.00%,F,T)  
 A7.09E6



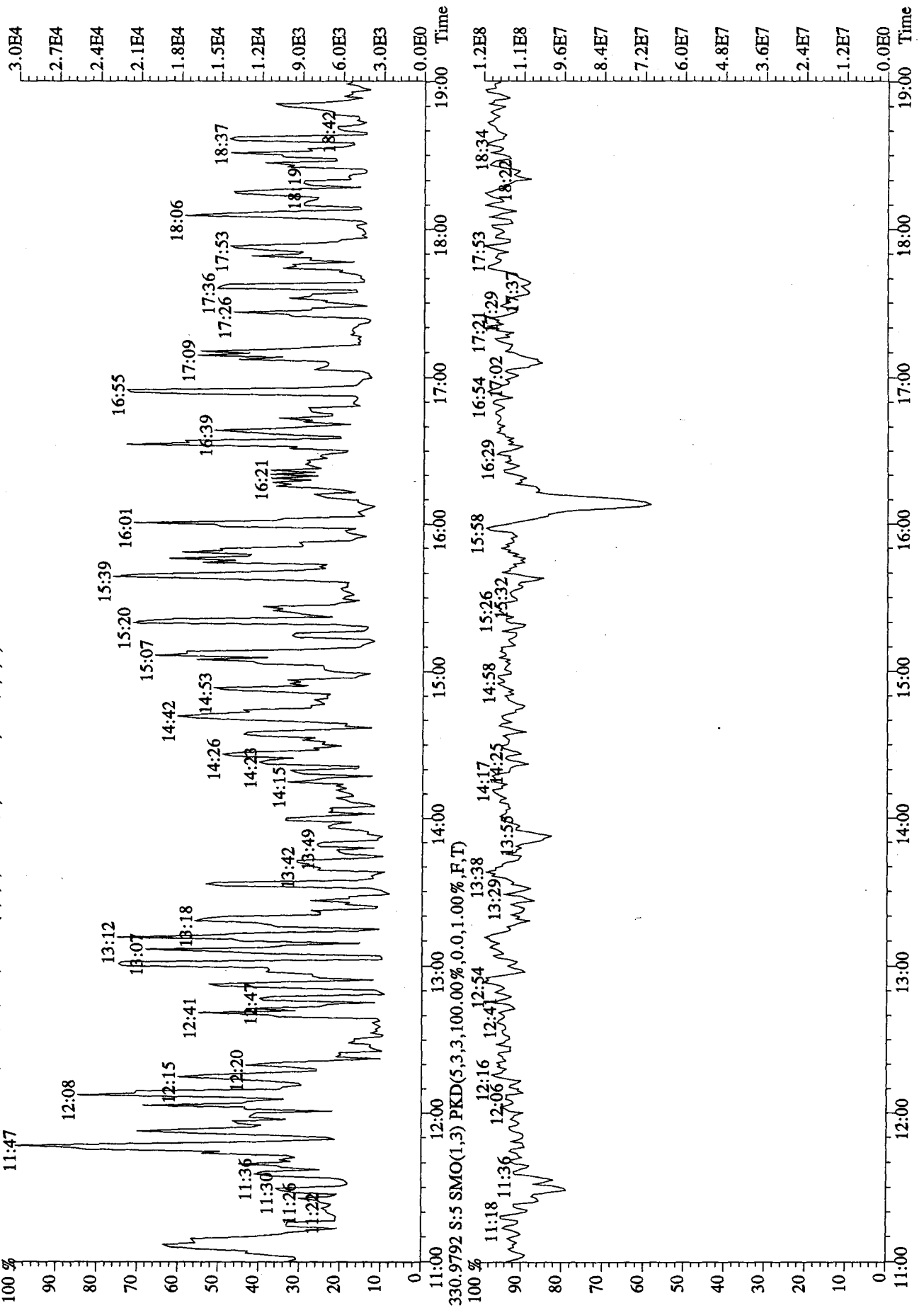
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31008.0,1.00%,F,T)  
 A5.28E7



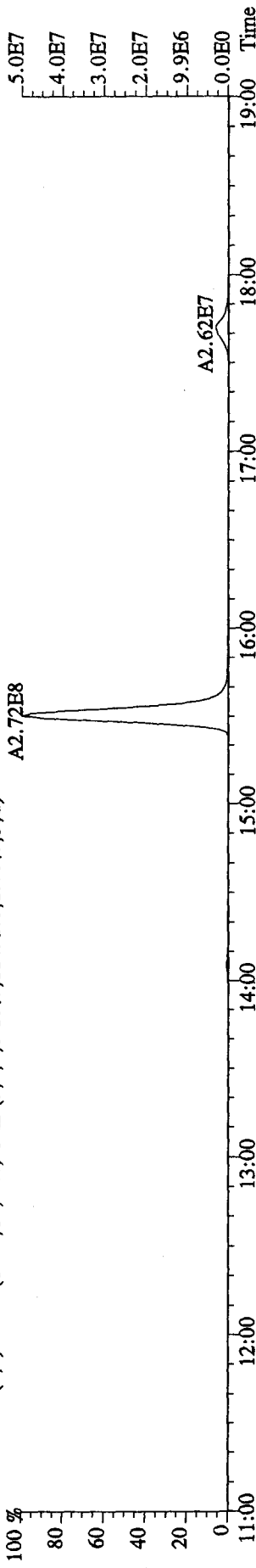
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22896.0,1.00%,F,T)  
 A7.01E7



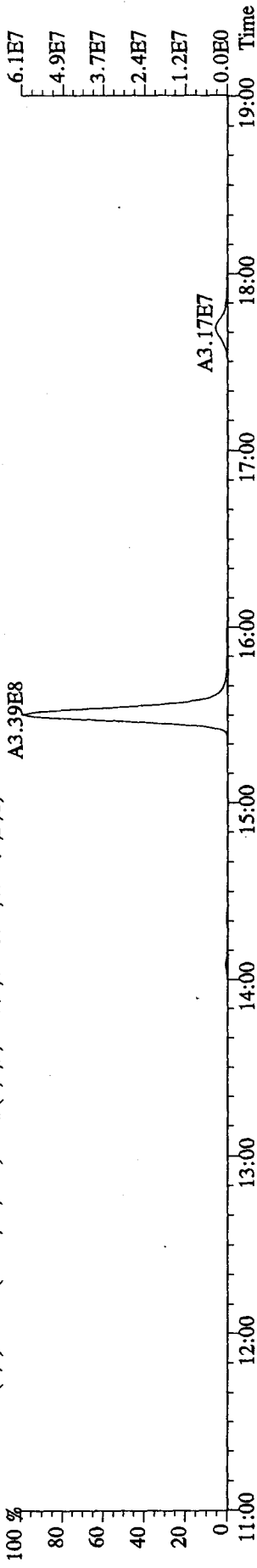
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 00:08:17 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST0104F :CS-3 09DXN425 Exp:DB225  
 375.8364 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,10704.0,1.00%,F,T)



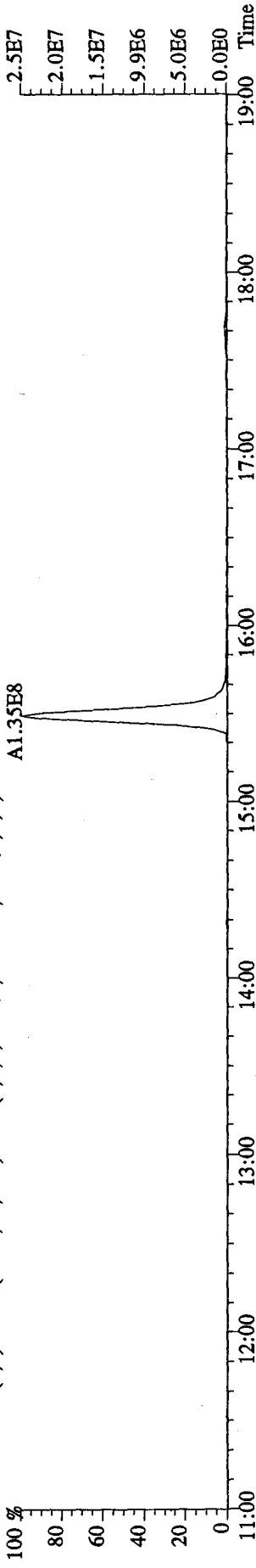
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 00:45:19 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST0104G :CS-5 09DXN456 Exp:DB225  
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11492.0,1.00%,F,T)



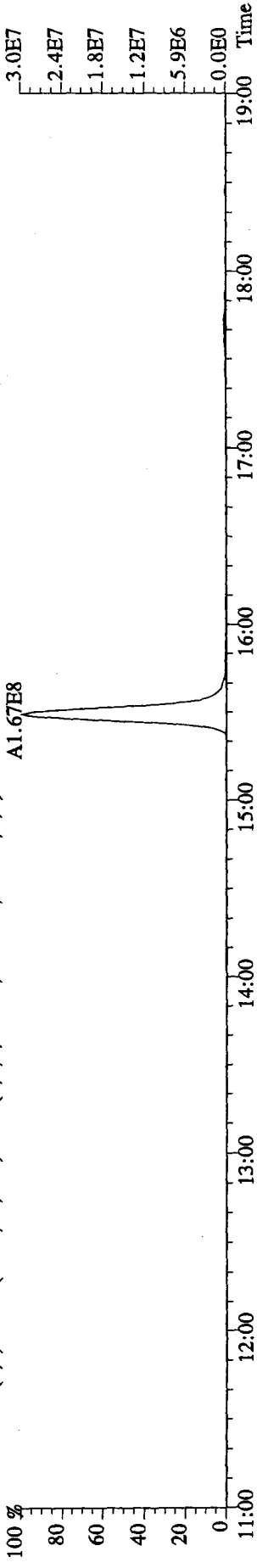
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15316.0,1.00%,F,T)



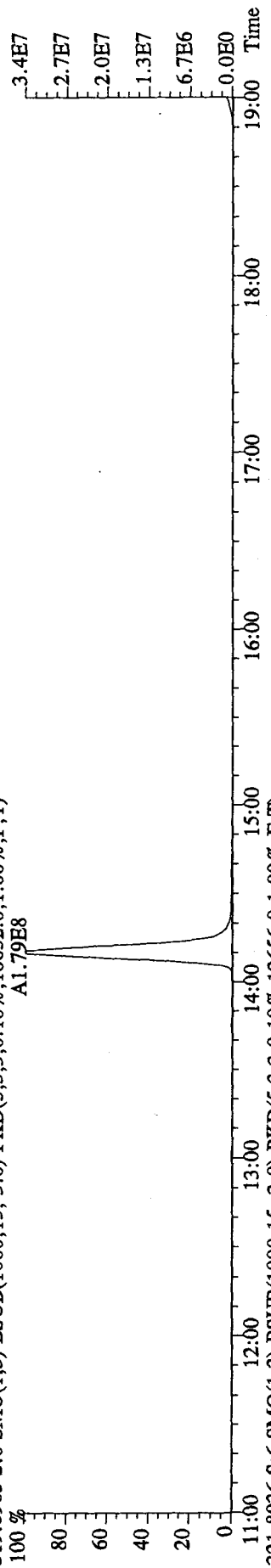
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32548.0,1.00%,F,T)



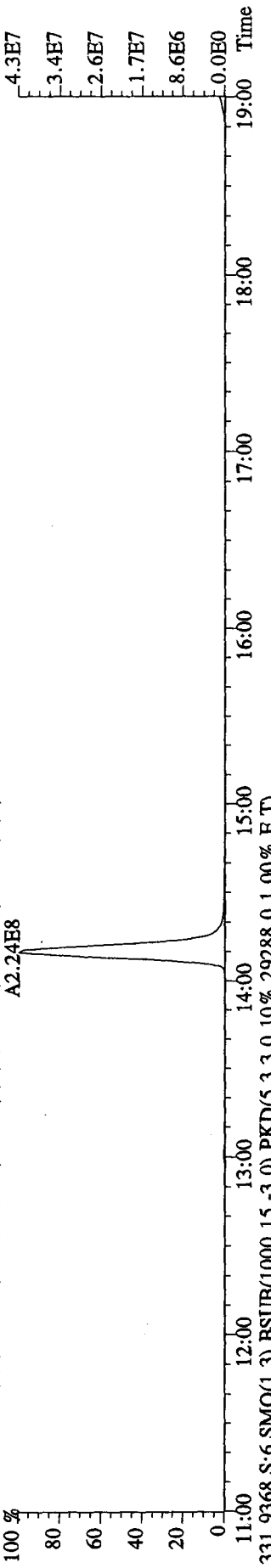
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31736.0,1.00%,F,T)



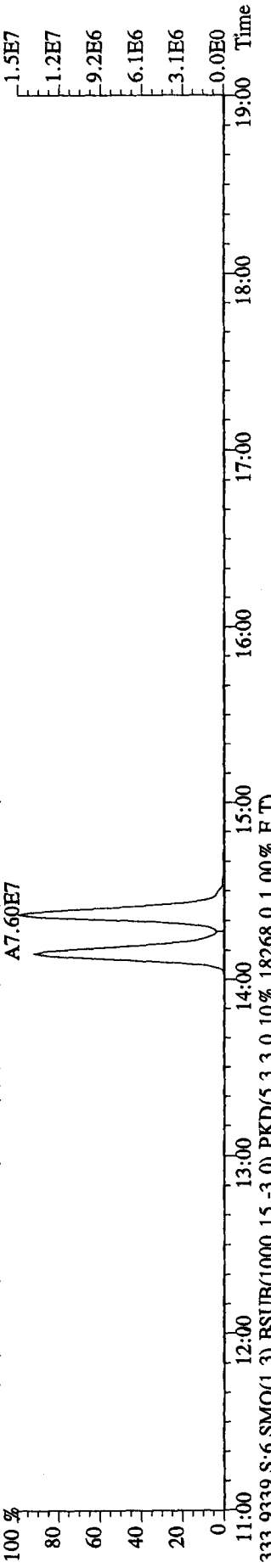
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 00:45:19 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST0104G :CS-5 09DXN456 Exp:DB225  
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10652.0,1.00%,F,T)  
 A1.79E8



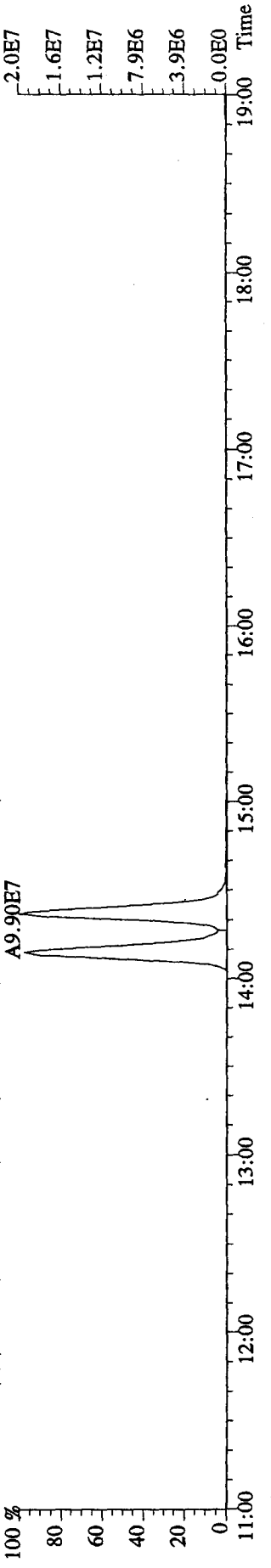
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12656.0,1.00%,F,T)  
 A2.24E8



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29288.0,1.00%,F,T)  
 A7.60E7



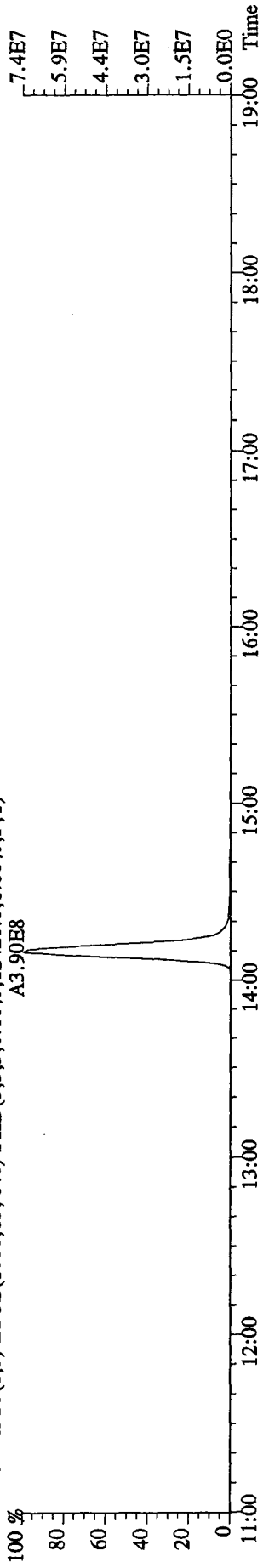
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18268.0,1.00%,F,T)  
 A9.90E7



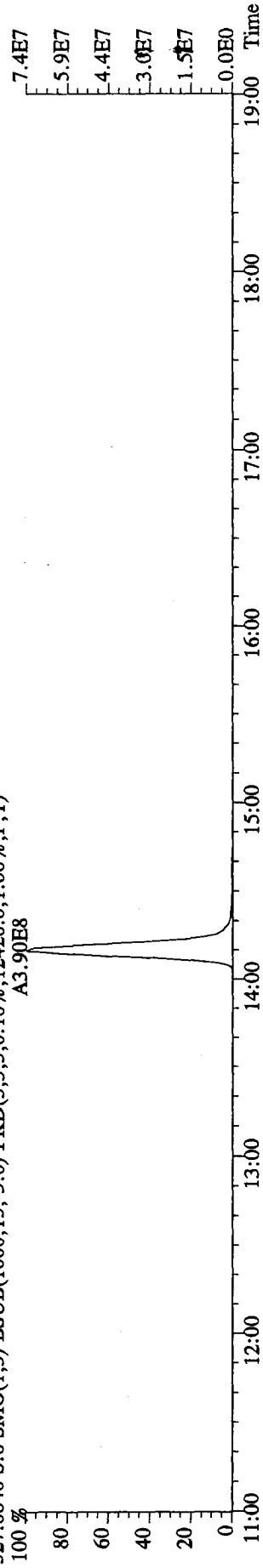


File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 00:45:19 GC EI+ Voltage SIR 70SE

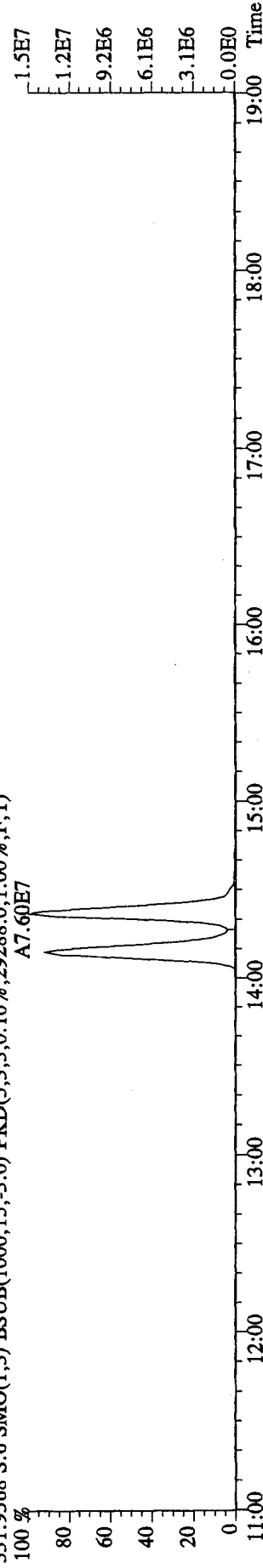
Sample#6 Text:ST0104G :CS-5 09DXN456 Exp:DB225  
327.8840 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12420.0,1.00%,F,T)



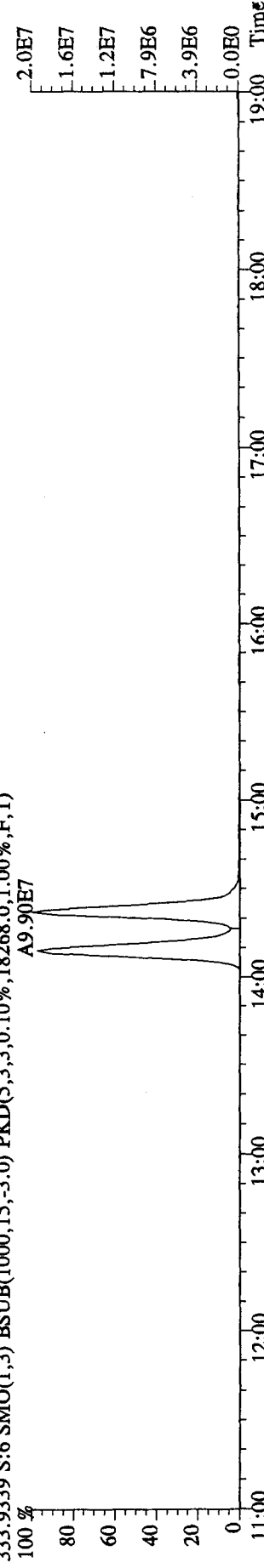
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29288.0,1.00%,F,T)



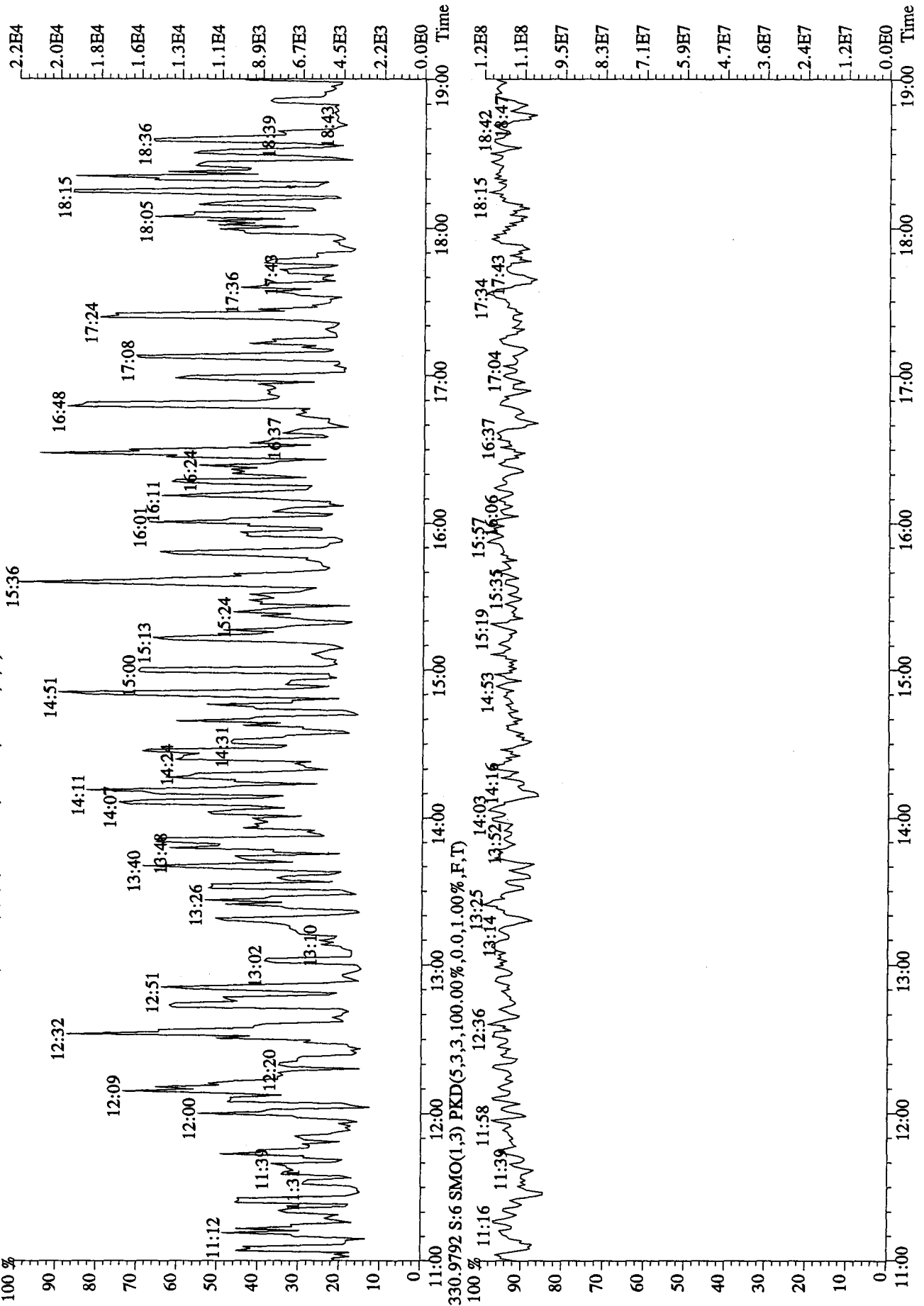
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18268.0,1.00%,F,T)



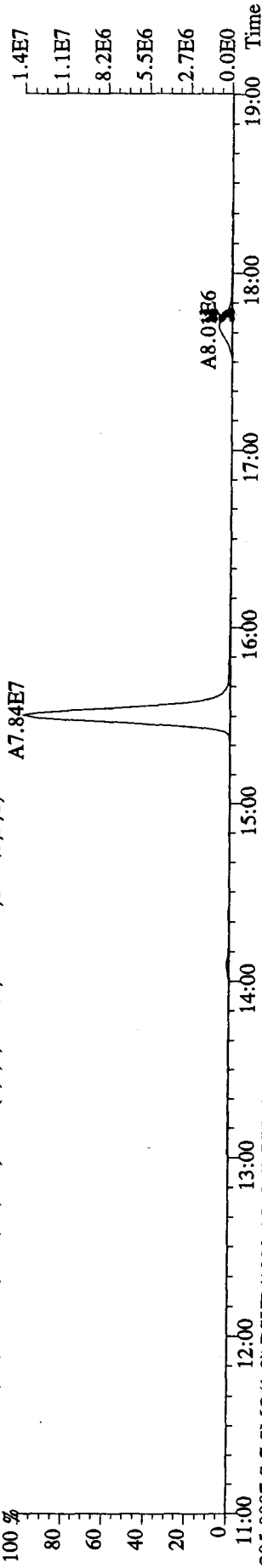
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18268.0,1.00%,F,T)



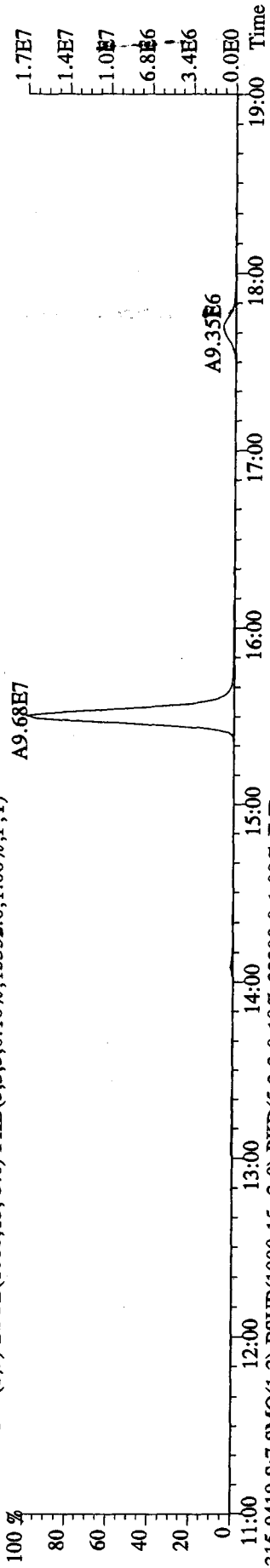
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 00:45:19 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST0104G :CS-5 09DXN456 Exp:DB225  
 375.8364 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,9432.0,1.00%,F,T)



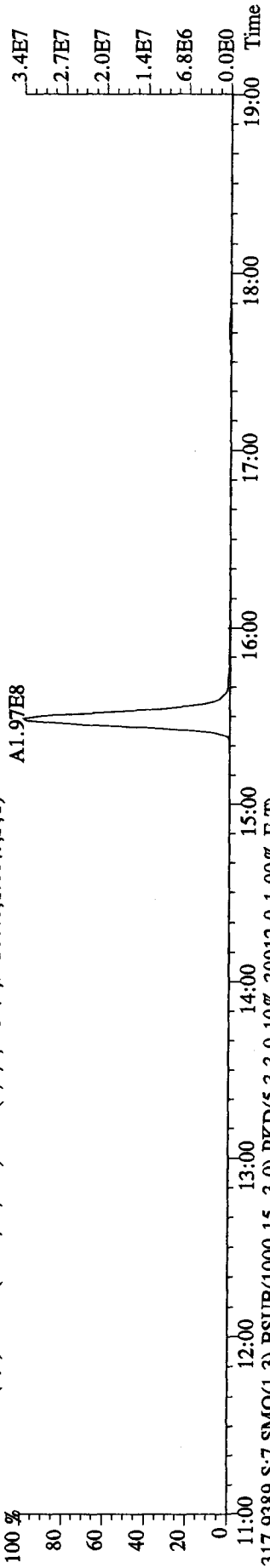
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 01:22:21 GC EI+ Voltage SIR 70SE  
 Sample#7 Text:ST0104H :CS-4 09DXN426 Exp:DB225  
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13168.0,1.00%,F,T)



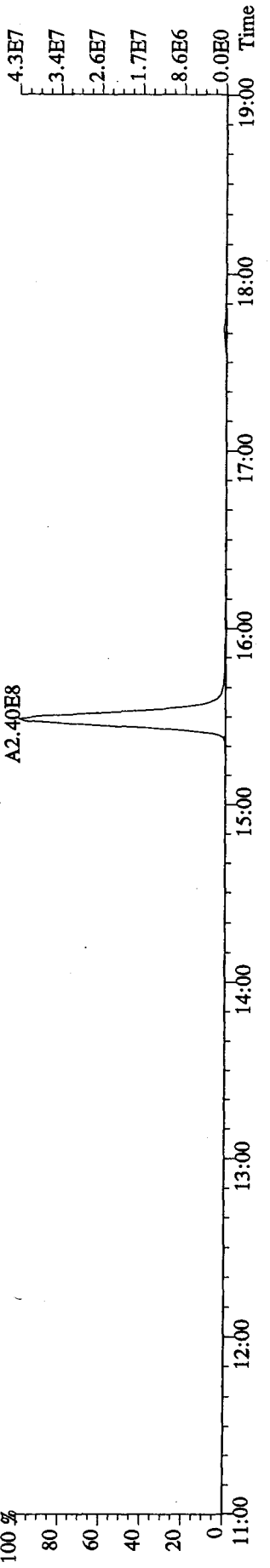
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15352.0,1.00%,F,T)



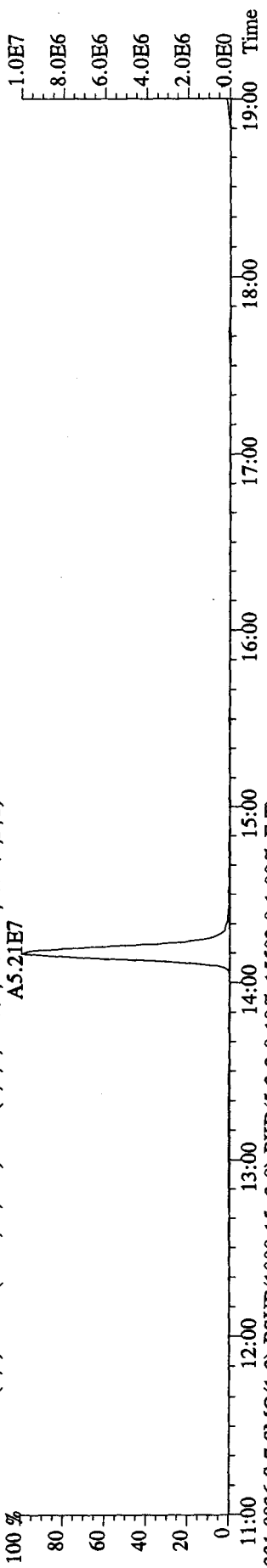
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33200.0,1.00%,F,T)



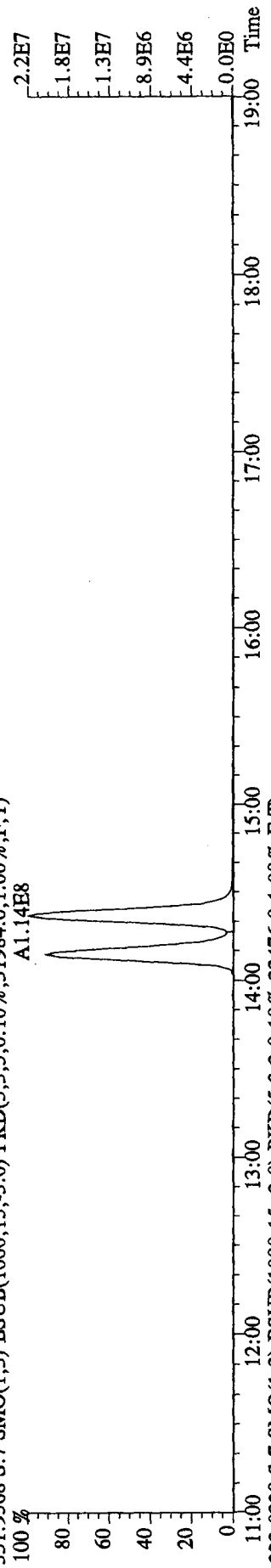
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30912.0,1.00%,F,T)



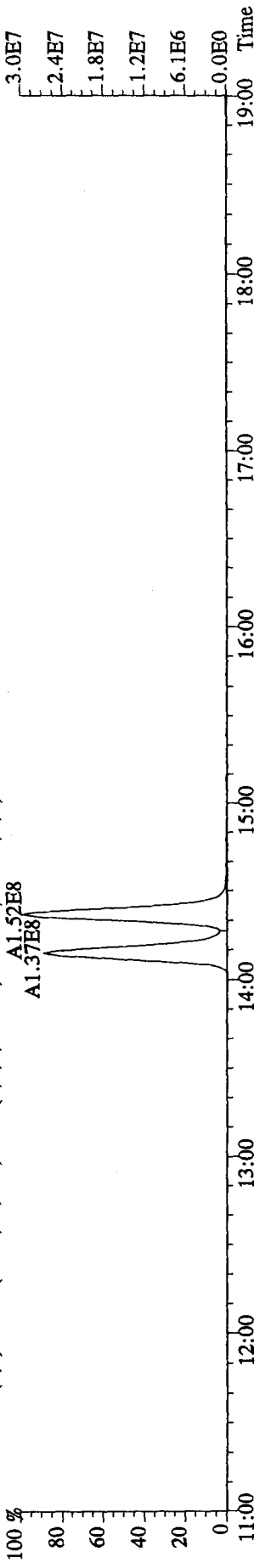
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 01:22:21 GC EI+ Voltage SIR 70SE  
 Sample#7 Text:ST0104H :CS-4 09DXN426 Exp:DB225  
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10976.0,1.00%,F,T)  
 A5.21E7



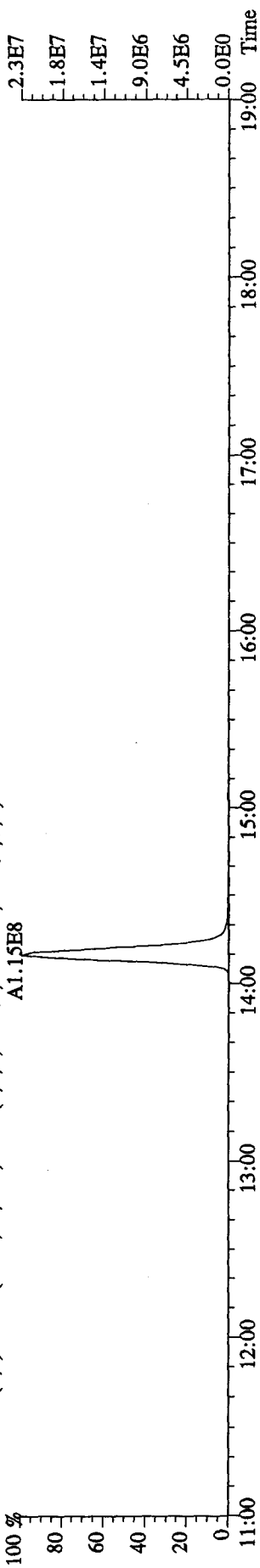
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31984.0,1.00%,F,T)  
 A1.14E8



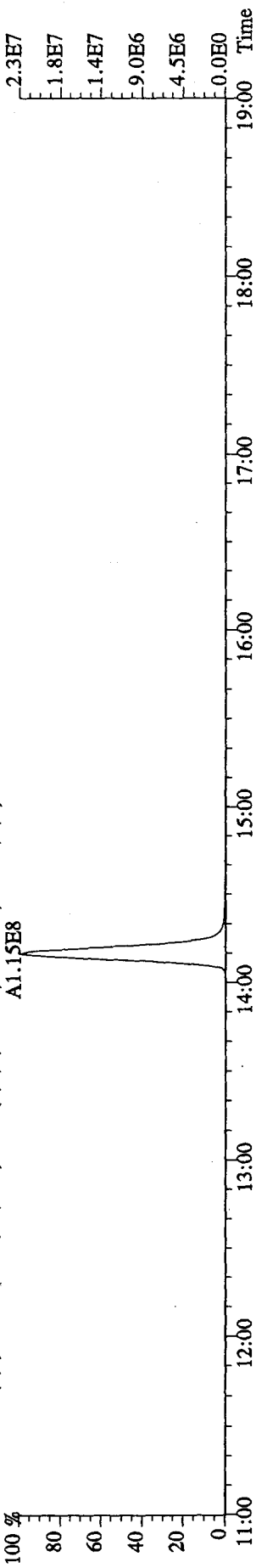
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22476.0,1.00%,F,T)  
 A1.52E8  
 A1.37E8



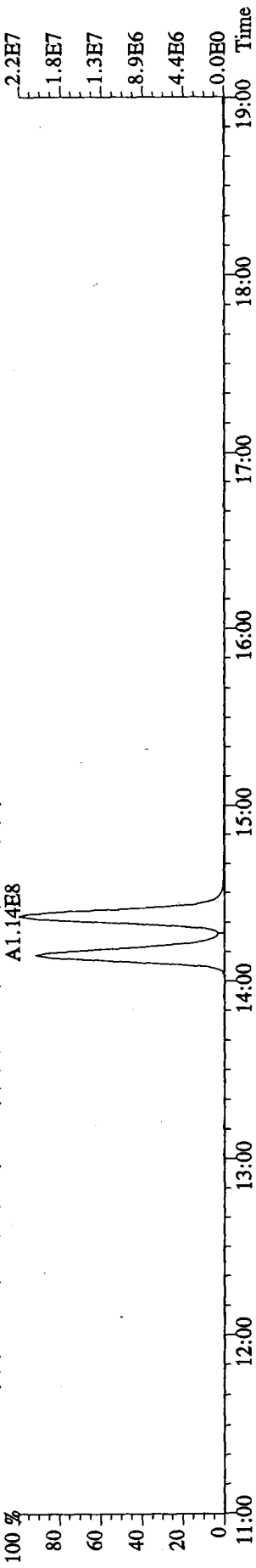
File: 04JA10B5D2 #1-1242 Acq: 5-JAN-2010 01:22:21 GC EI+ Voltage SIR 70SE  
 Sample#7 Text: ST0104H :CS-4 09DXN426 Exp: DB225  
 327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12260.0,1.00%,F,T)  
 A1.15E8



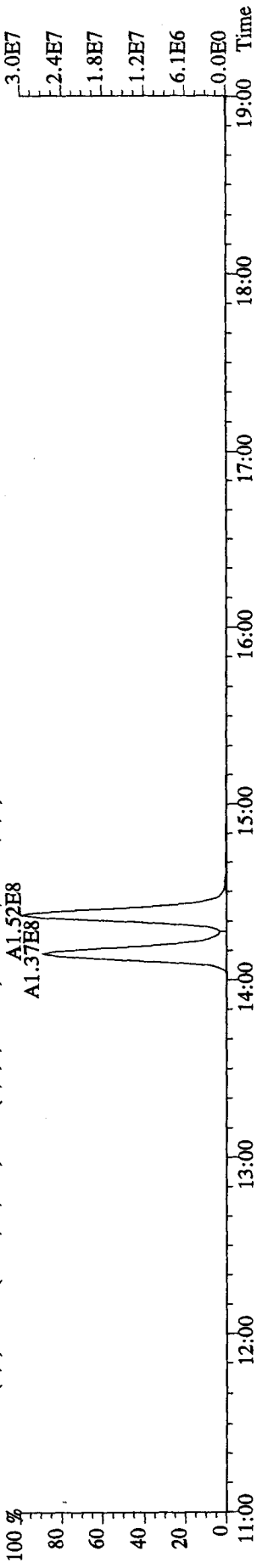
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12260.0,1.00%,F,T)  
 A1.15E8



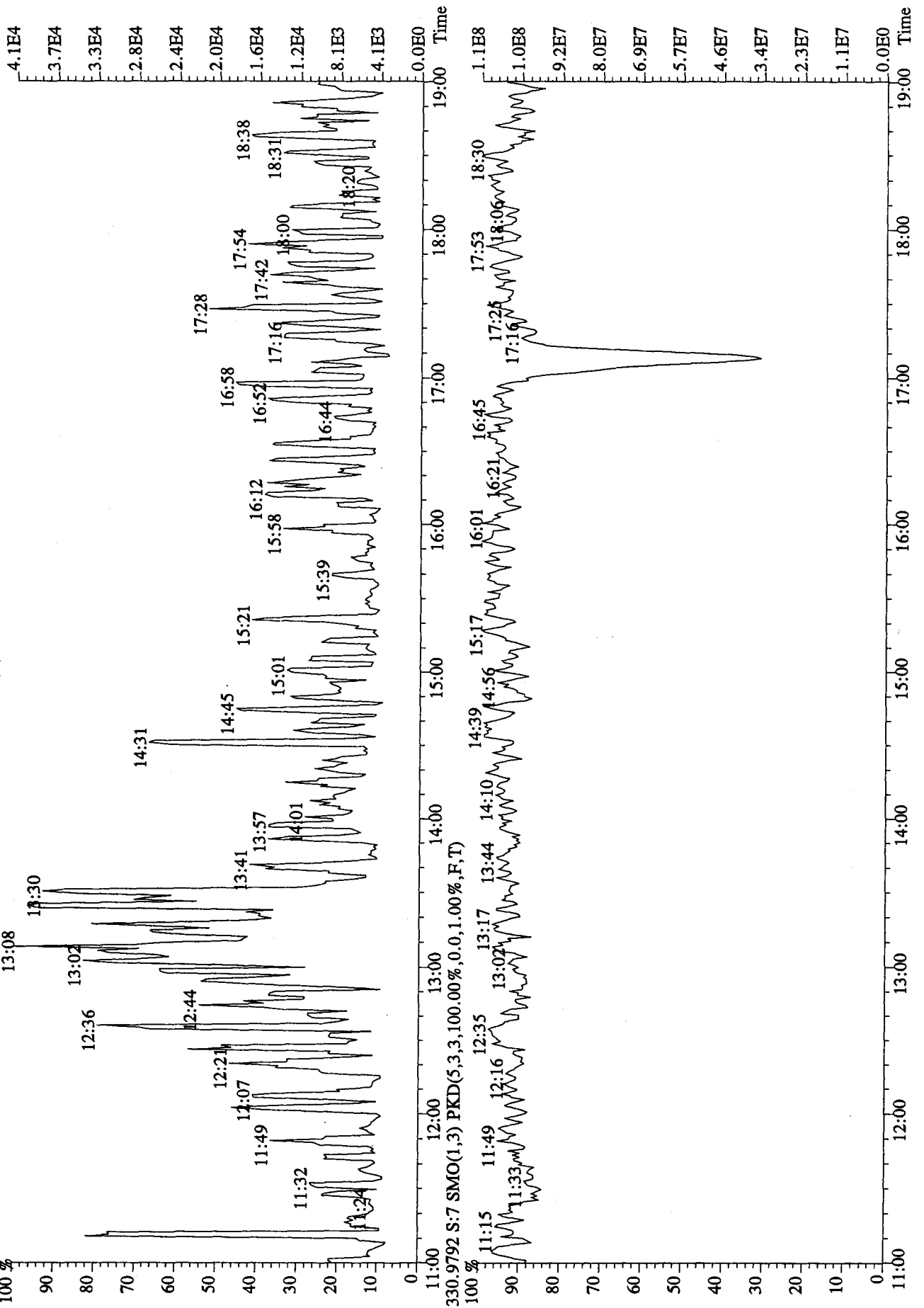
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31984.0,1.00%,F,T)  
 A1.14E8



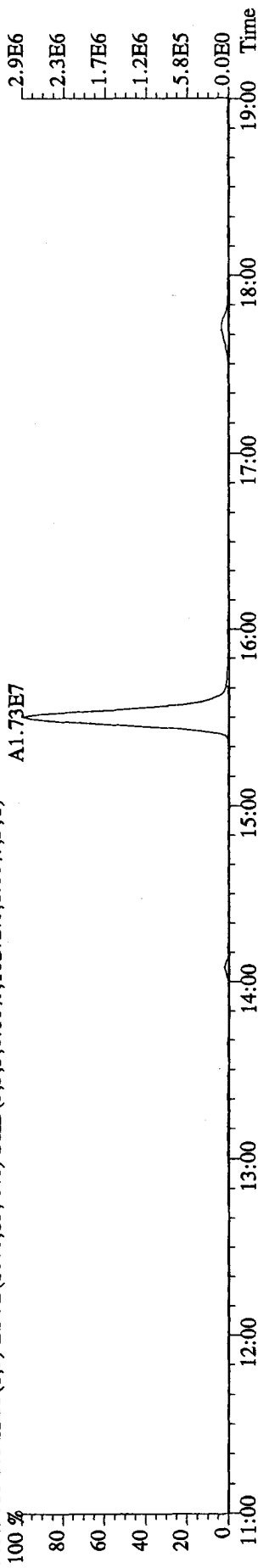
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22476.0,1.00%,F,T)  
 A1.37E8



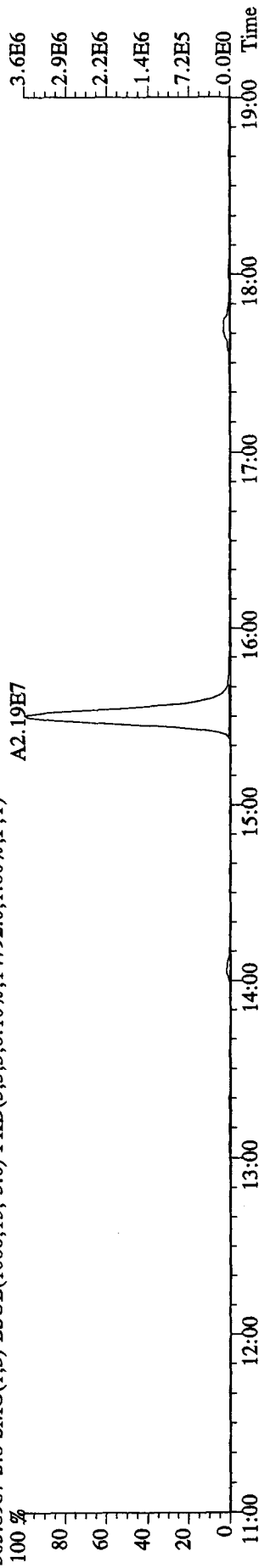
File:04IA10B5D2 #1-1242 Acq: 5-JAN-2010 01:22:21 GC EI+ Voltage SIR 70SE  
 Sample#7 Text:ST0104H :CS-4 09DXN426 Exp:DB225  
 375.8364 S:7 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,9500.0,1.00%,F,T)



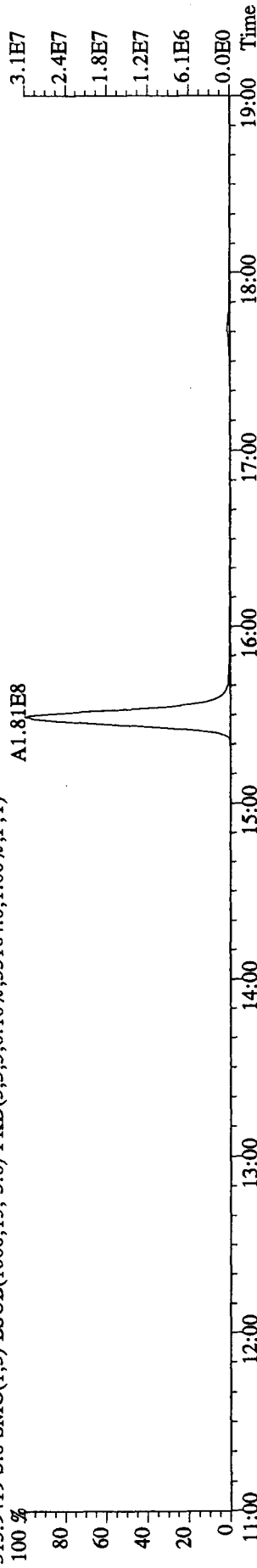
File:04JA10BSD2 #1-1242 Acq: 5-JAN-2010 01:59:23 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST0104I :2nd Source 09DXN449 Exp:DB225  
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10272.0,1.00%,F,T)



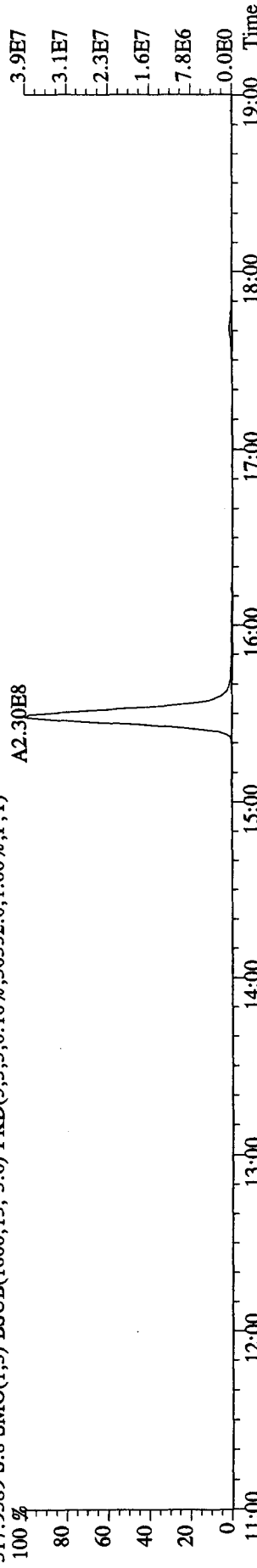
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14792.0,1.00%,F,T)



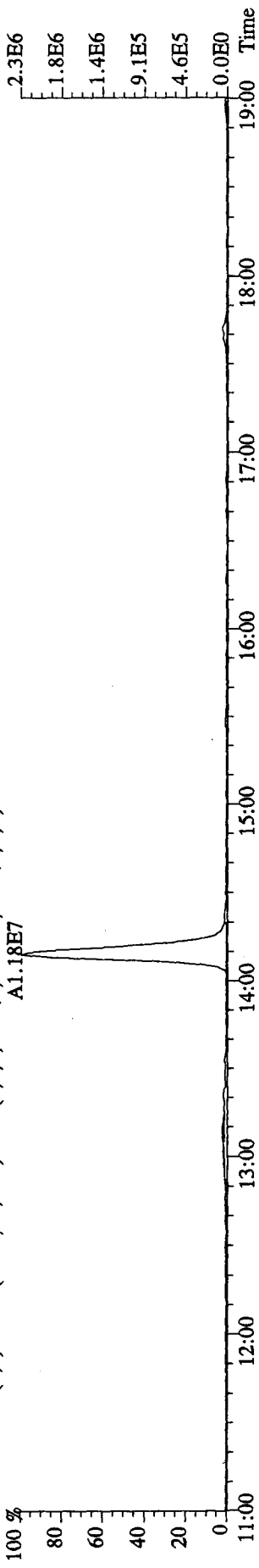
315.9419 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33164.0,1.00%,F,T)



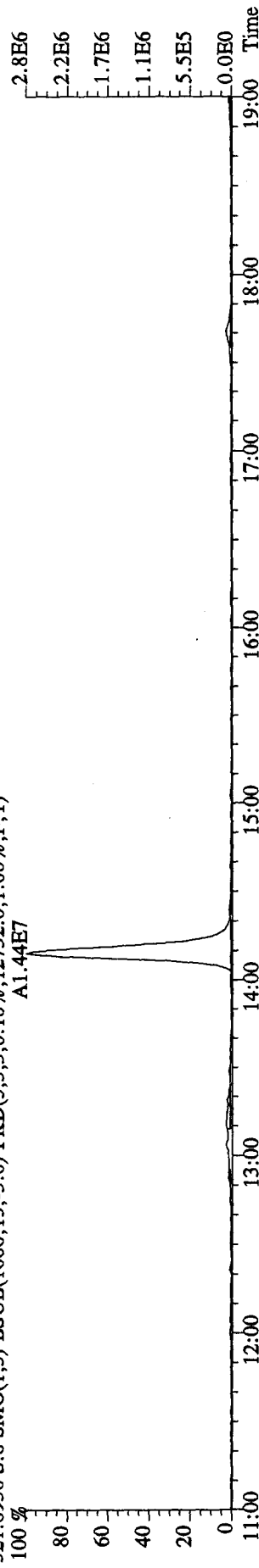
317.9389 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30352.0,1.00%,F,T)



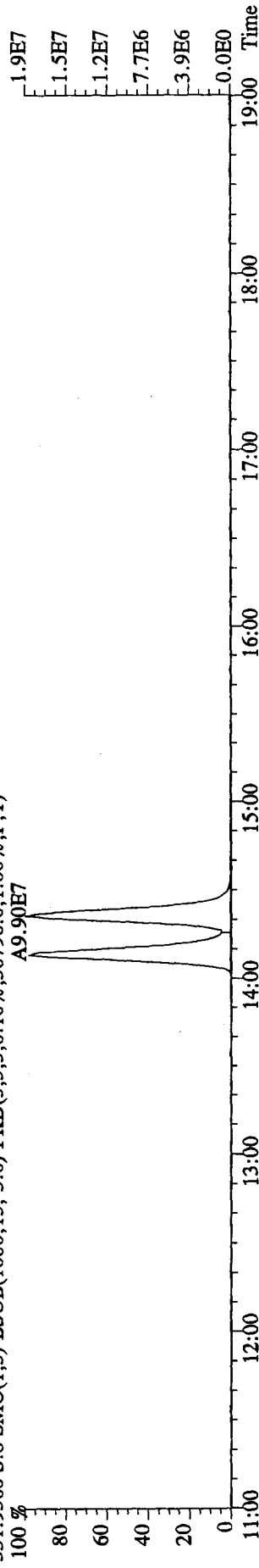
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 01:59:23 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST0104I :2nd Source 09DXN449 Exp:DB225  
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9448.0,1.00%,F,T)  
 A1.18E7



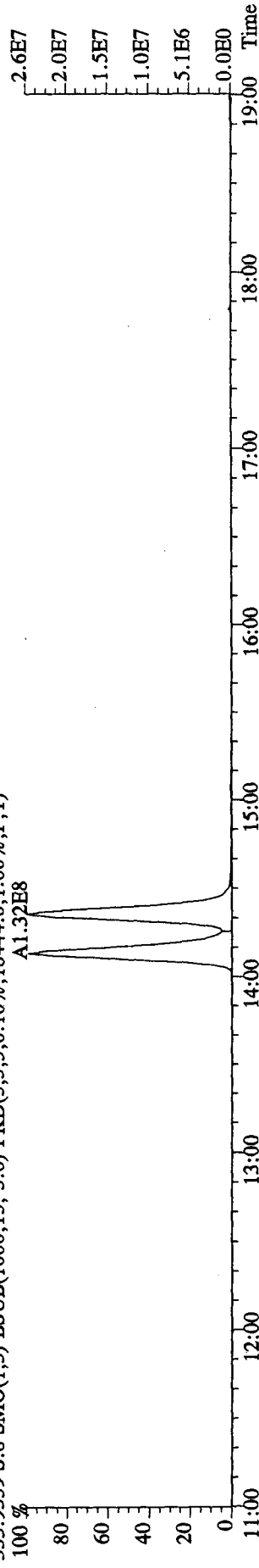
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12732.0,1.00%,F,T)  
 A1.44E7



331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30796.0,1.00%,F,T)  
 A9.90E7

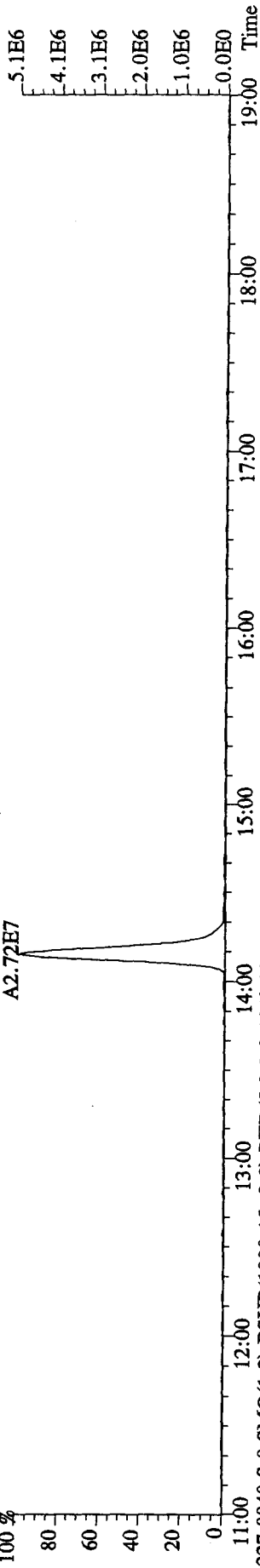


333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18444.0,1.00%,F,T)  
 A1.32E8

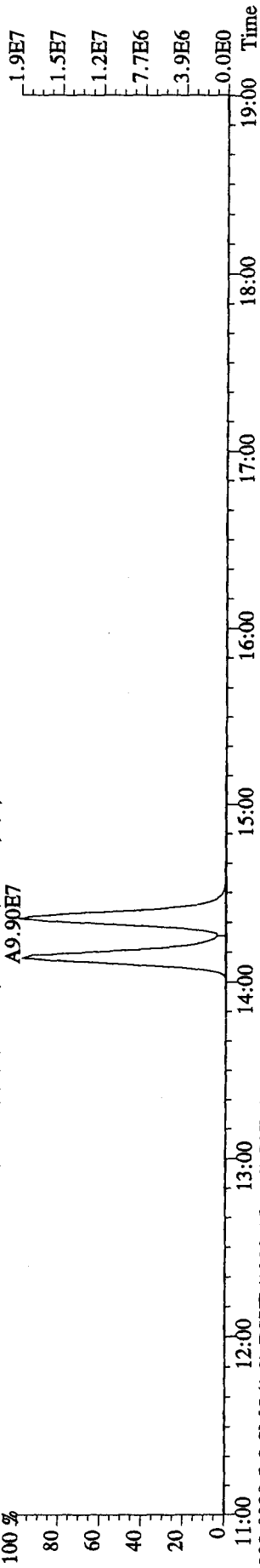




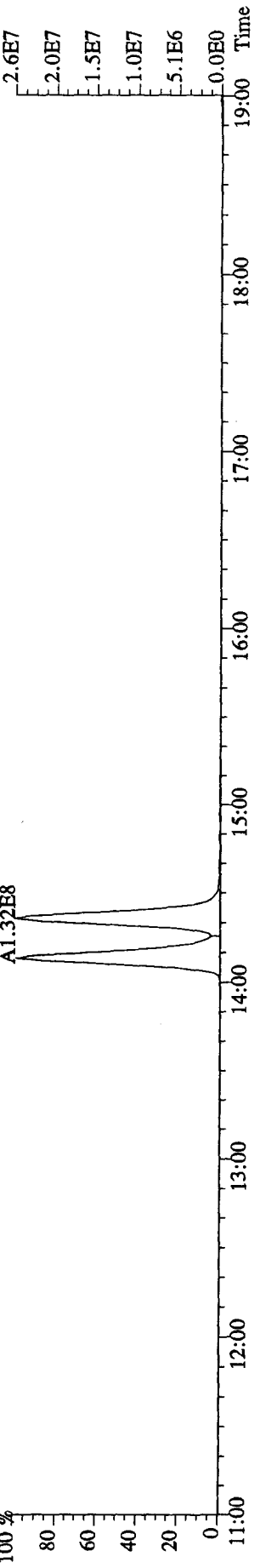
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 01:59:23 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST01041 :2nd Source 09DXN449 Exp:DB225  
 327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9284.0,1.00%,F,T)  
 A2.72E7



331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30796.0,1.00%,F,T)  
 A9.90E7



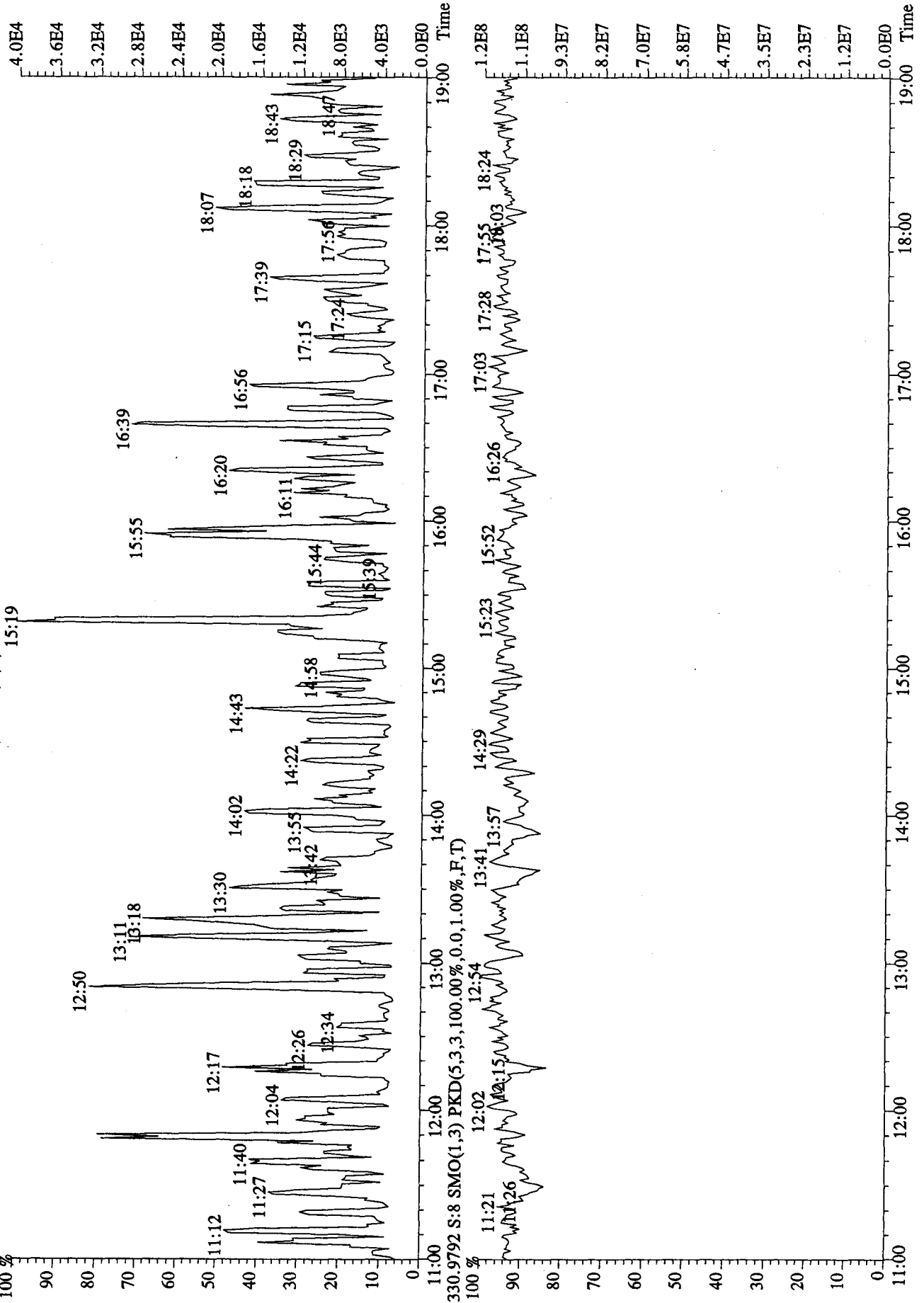
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18444.0,1.00%,F,T)  
 A1.32E8



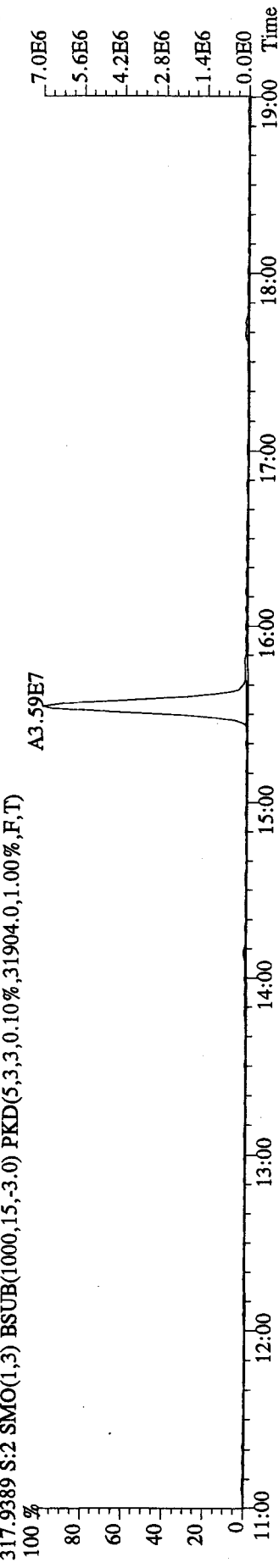
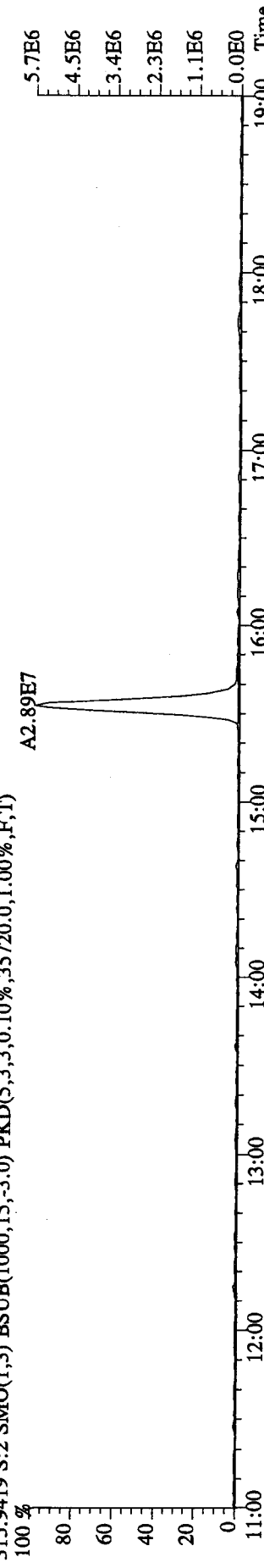
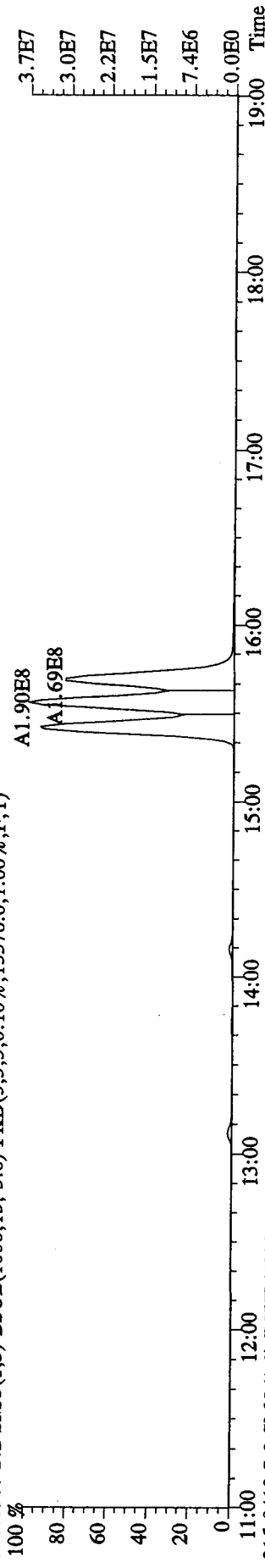
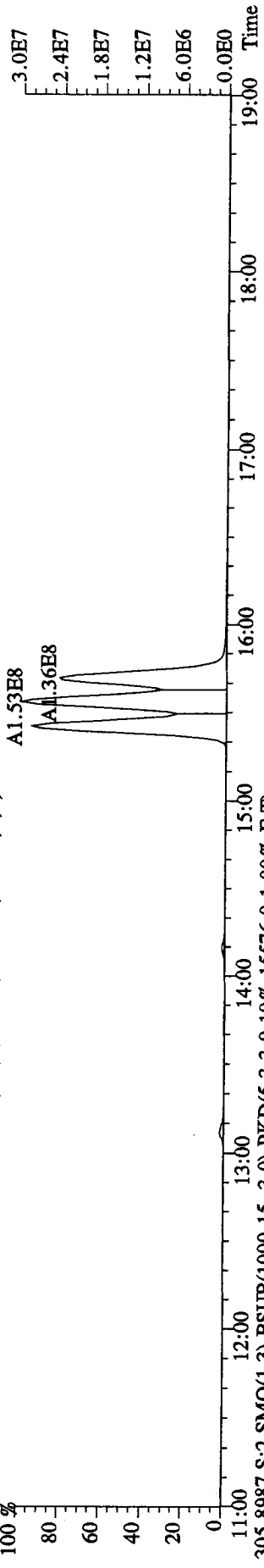
File:04JA10B5D2 #1-1242 Acq: 5-JAN-2010 01:59:23 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST01041 :2nd Source 09DXN449 Exp:DB225

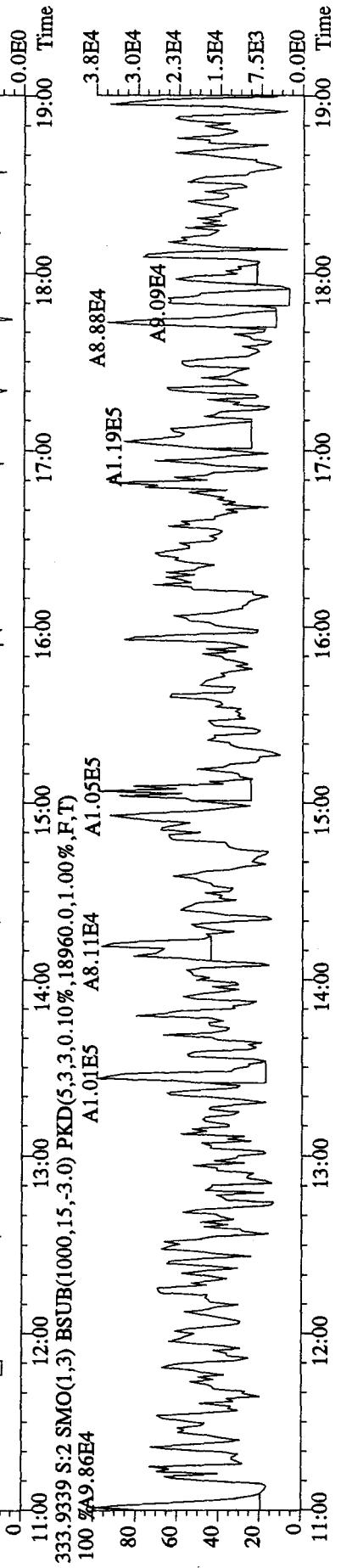
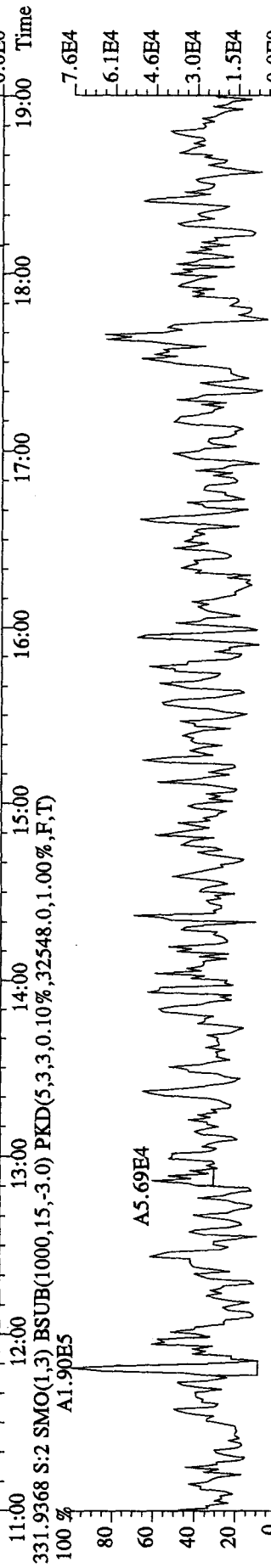
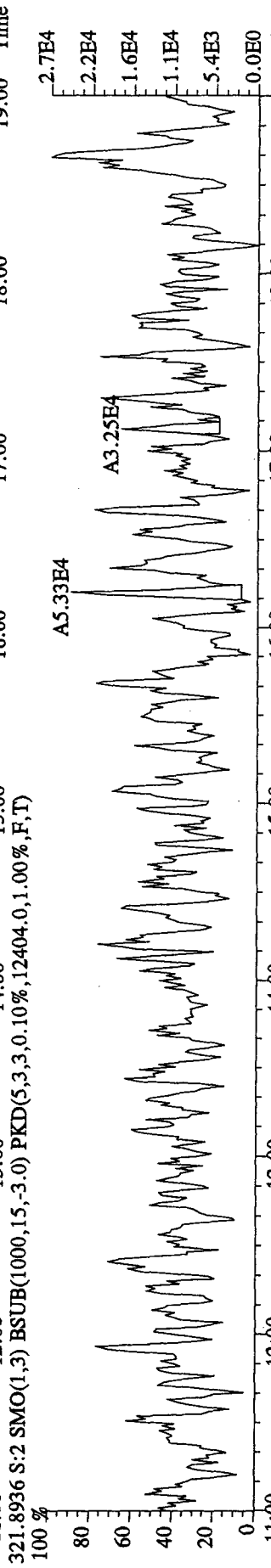
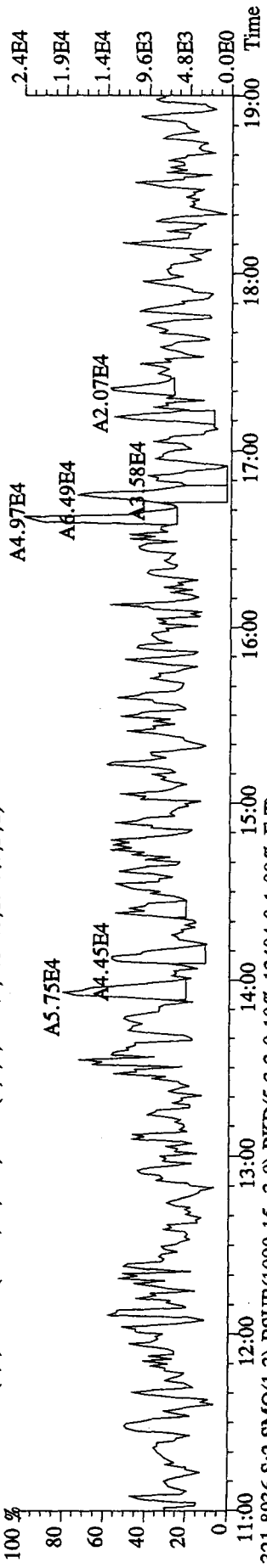
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,6928.0,1.00%,F,T)



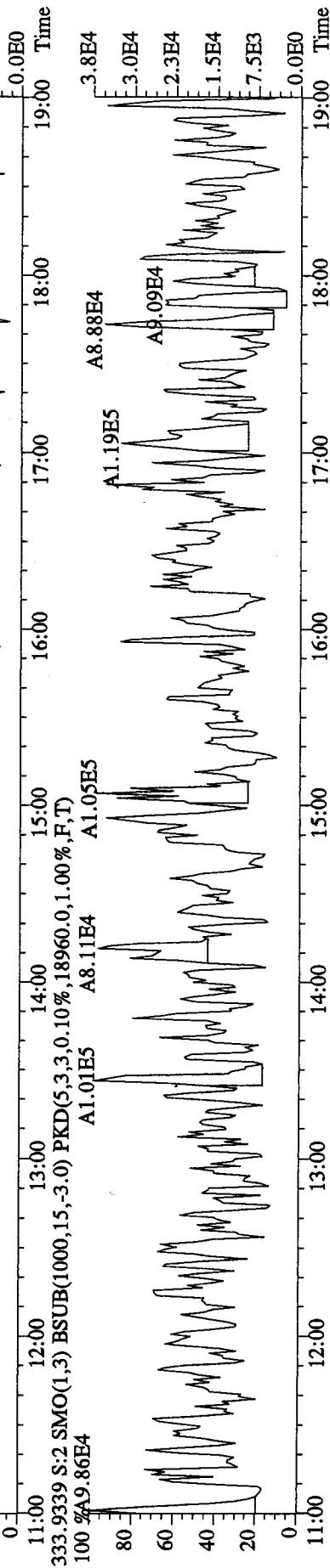
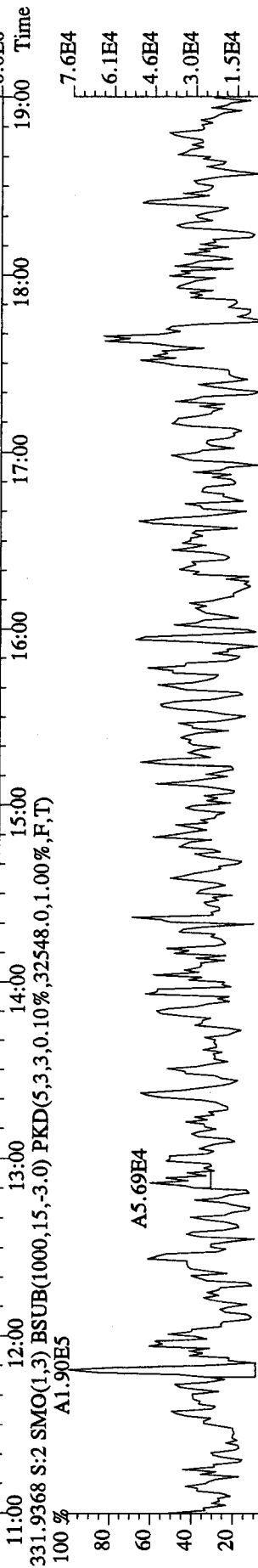
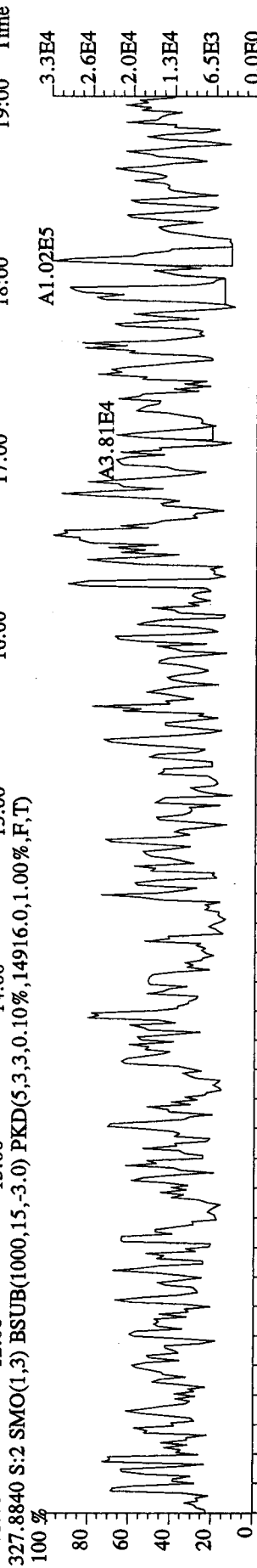
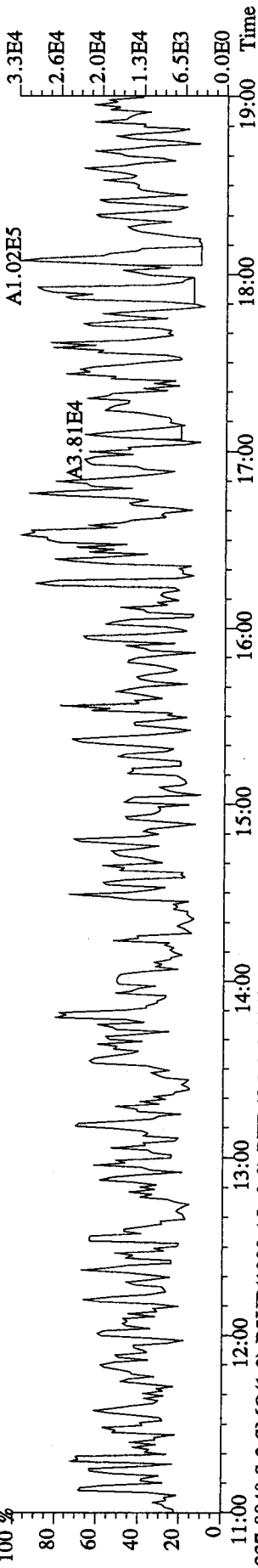
File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:17:05 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104C :DB225 CPSM 3732-01 Exp:DB225  
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15104.0,1.00%,F,T)



File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:17:05 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0104C :DB225 CFSM 3732-01 Exp:DB225  
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8720.0,1.00%,F,T)



File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:17:05 GC EI + Voltage SIR 70SE  
 Sample#2 Text:CP0104C :DB225 CPSM 3732-01 Exp:DB225  
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14916.0,1.00%,F,T)

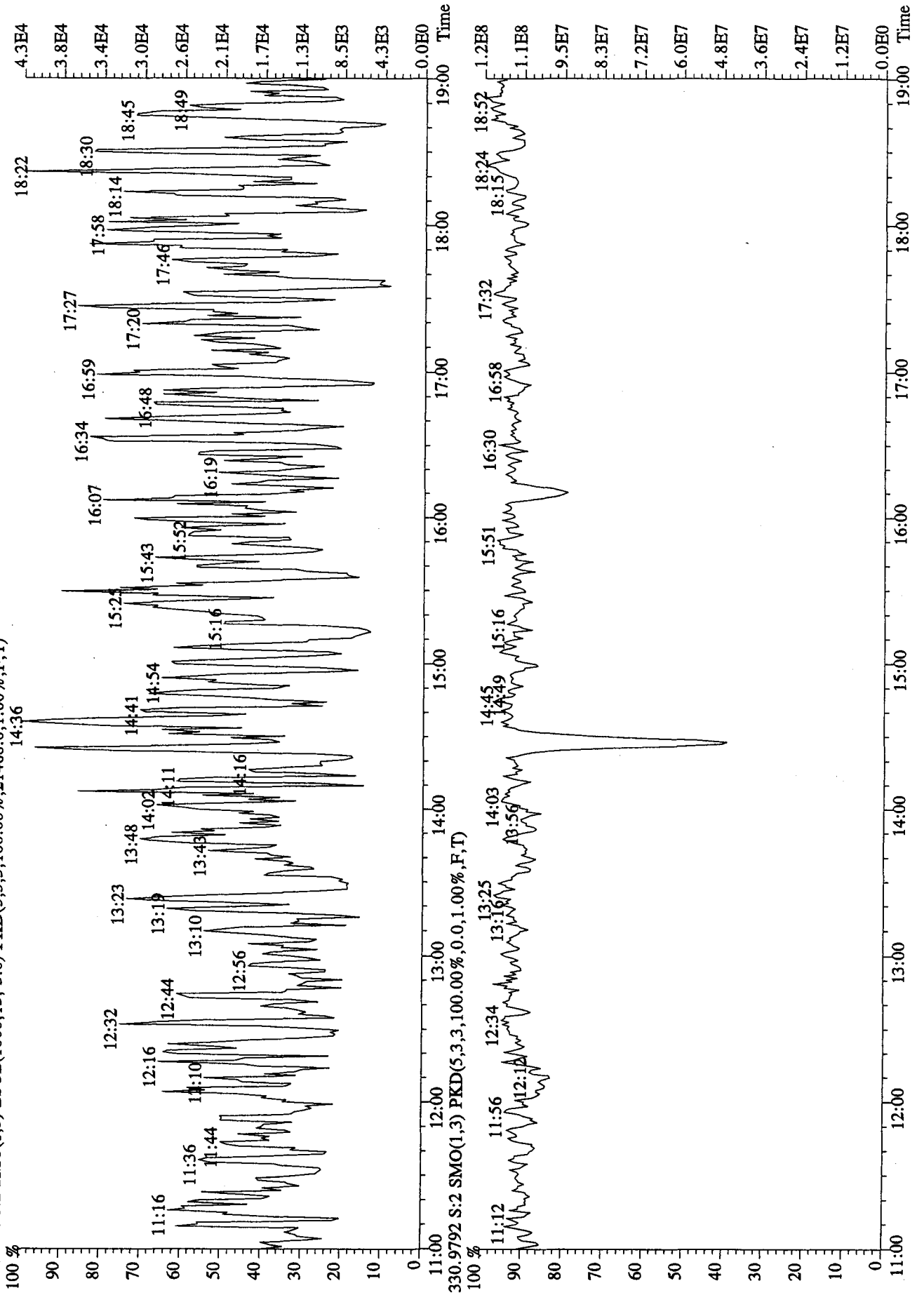


File:04JA10B5D2 #1-1242 Acq: 4-JAN-2010 22:17:05 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0104C :DB225 CPSM 3732-01 Exp:DB225

375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,21468.0,1.00%,F,T)

14:36



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

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 9362386 Method ID: 8290

**DB-5**  
 Data Analyst: OS  
 Date initiated: 01-06-10  
 Reviewer: P. H. [Signature]  
 Date reviewed: 1/8/10

**DB-225**  
 Data Analyst: OS  
 Date initiated: 01-07-10  
 Reviewer: P. H. [Signature]  
 Date reviewed: 1/8/10

QA/QC verification:

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

Sample Analysis:

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

**Comments:** (Use other side if necessary)

DL's are recoveries see NCM # 07-0101335

\* **Recovery limits:**

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614:	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.



**TestAmerica West Sacramento  
High Resolution Prep Log  
Dioxin/Furan Solid Analysis**

Box # 15  
Shared QC Batch: Same  
Shares QC With: NA

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

**Internal COC:**  
Delivered to Inst.: 12-29-09  
Inst Receipt:

**Batch: 9362386**  
MS Run #: 9362207  
Prep Date: 12/28/2009  
Method: IN 8290  
Matrix: A SOLID  
Extraction: 4W SOXHLET (NOMINAL)  
QC: 01 STANDARD TEST SET  
SAC: IN - A - 4W - 01

Soxhlet time on: 1600 Soxhlet time off: 21:00

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	H28N100
Hexane	Baker	H30E30
H2SO4	Baker	G35029
20% DCM:Hexane	NA	3630-44D
65% DCM:Hexane	NA	3630-44C
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	WHATMAN	22-22
Acid Alumina	MP	18
5% Carbon:Silica Gel	NA	NA

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					200µl	Other	
G9L120491 - 3 RX		LQ2K83AC	1/10/2010	10.31	11111111		2/11/2010
G9L120491 - 7 RX		LQ2LD3AC	1/10/2010	10.10	11111111		2/11/2010
G9L120491 - 8	S	LQ2LE1AF	1/10/2010	10.02	11111111		2/11/2010
G9L120491 - 8	D	LQ2LE1AG	1/10/2010	10.08	11111111		2/11/2010
G9L120491 - 8 RX		LQ2LE3AC	1/10/2010	10.17	11111111		2/11/2010
G9L240493 - 1		LRL8H1AC	1/21/2010	10.19	11111111	12/29/09	2/11/2010
G9L240493 - 2		LRL8V1AC	1/21/2010	10.03	11111111		2/11/2010
G9L280000 - 386	B	LRNEV1AA	1/10/2010	10.00	11111111		2/11/2010
G9L280000 - 386	C	LRNEV1AC	1/10/2010	10.00	11111111		2/11/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	1.0mL 10-1-10-30	10-31-10	[Signature]	CEC	12-28-10
Spike Mix LCS/LCSD/MS/MS	50.4µl 09DXN409	11-30-10	[Signature]	CEC	12-28-10
Cleanup Standard All Samples	1.0mL 09DXN418	12/16/10	CEC	[Signature]	12/29/09
Recovery Standard All Samples	10.0µl 09DXN388	11-19-10	[Signature]	[Signature]	12-29-09
Soxhlet Extraction Analyst/Date	J 12-28-09				
	Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date	
		[Signature] 12/29/09	[Signature] 12/29/09		



RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 12/29/09  
Time: 15:37:00

\*\*\*\*\*  
\* QC BATCH: 9362386 \*  
\* PREP DATE: 12/28/09 18:00  
\* COMP DATE: 12/29/09 17:00  
\*\*\*\*\*

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
1/10/10	0/00/00	G9L280000-386 LRNEV-1-AAAB		4W	IN SOLID	10.00g 10.00uL	NA	NA	300.0	20.0	1.0ML IS09DXN430
1/10/10	0/00/00	G9L280000-386 LRNEV-1-ACC		4W	IN SOLID	10.00g 10.00uL	NA	NA	300.0	20.0	50.0UL NS09DXN409 1.0ML IS09DXN430

COMMENTS:

COMMENTS:

R = RUSH  
E = EPA 600  
M = CLIENT REQ MS/MSD

C = CLP  
D = EXP.DEL)

9

NUMBER OF WORK ORDERS IN BATCH:

## Preparation Data Review Checklist

Prep Batch(es) 9362386

Test: 8290 solid

Prep Date: 12-28-09

Holding Times: 1-10-10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	/
5. Spiking volumes are correctly documented	✓	/
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	/
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	/
<b>B. Weights and Volumes</b>		
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	/
<b>C. Standards and Reagents</b>		
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	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: CR

Date: 12/28/09

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 12/29/09

Comments:

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# WATER, 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*

*ics*

*ms/sd*

*sample raw data*

*ms tune data*

Run text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :G0A040000-196 (490-1MB)  
 Run #13 Filename: 06JA10A1D5 S: 9 I: 1 Results: 06JA10A1D58290  
 Acquired: 7-JAN-10 03:44:21 Processed: 7-JAN-10 09:20:43  
 Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.000000L

JRB  
1/7/10  
05-01-07-10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	202927112	0.81 y	18:42	-	65.15	-	-	n
13C-2,3,7,8-TCDF	220947976	0.81 y	18:08	1.57	695.26	1.20	34.8	n
2,3,7,8-TCDF	*	* n	NotFnd	0.86	*	2.51	-	n
Total TCDF	*	* n	NotFnd	0.86	*	2.51	-	n
13C-2,3,7,8-TCDD	133960992	0.80 y	18:54	0.99	664.58	2.22	33.2	n
2,3,7,8-TCDD	*	* n	NotFnd	0.93	*	3.26	-	n
Total TCDD	*	* n	NotFnd	0.93	*	3.26	-	n
37Cl-2,3,7,8-TCDD	162667984	1.00 y	18:55	2.22	361.40	0.51	45.2	n
13C-1,2,3,7,8-PeCDF	175021648	1.63 y	23:33	1.07	803.92	1.41	40.2	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.00	*	3.21	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*	3.42	-	n
Total F2 PeCDF	*	* n	NotFnd	0.97	*	<del>3.21</del>	-	n
Total F1 PeCDF	*	* n	NotFnd	0.97	*	<del>2.61</del> 3.42	-	n
13C-1,2,3,7,8-PeCDD	94303336	1.68 y	25:46	0.67	697.40	1.93	34.9	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.93	*	6.43	-	n
Total PeCDD	*	* n	NotFnd	0.93	*	6.43	-	n
13C-1,2,3,7,8,9-HxCDD	180576536	1.28 y	32:51	-	65.83	-	-	n
13C-1,2,3,4,7,8-HxCDF	142997788	0.52 y	31:27	0.89	886.96	1.99	44.3	n
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.20	*	2.22	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.37	*	1.94	-	n
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.24	*	2.14	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.33	*	2.01	-	n
Total HxCDF	*	* n	NotFnd	1.28	*	<del>2.09</del> 2.22	-	n
13C-1,2,3,6,7,8-HxCDD	106749052	1.31 y	32:32	0.73	807.50	2.04	40.4	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.97	*	3.56	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.06	*	3.26	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.28	*	2.71	-	n
Total HxCDD	*	* n	NotFnd	1.10	*	<del>3.13</del> 3.56	-	n
13C-1,2,3,4,6,7,8-HpCDF	151248640	0.44 y	34:35	0.86	973.79	3.59	48.7	n
1,2,3,4,6,7,8-HpCDF	113767	1.96 n	34:37	1.29	<del>1.17</del>	2.46	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.14	*	2.78	-	n
Total HpCDF	113767	1.96 n	34:37	1.21	<del>1.17</del>	<del>2.61</del> 2.78	-	n
13C-1,2,3,4,6,7,8-HpCDD	111742624	1.07 y	35:33	0.75	822.70	3.00	41.1	n
1,2,3,4,6,7,8-HpCDD	68306	2.38 n	35:33	1.00	<del>1.23</del>	3.92	-	n
Total HpCDD	157599	1.18 y	34:55	1.00	<del>2.83</del>	3.92	-	n
13C-OCDD	168748888	0.91 y	38:20	0.56	1655.67	2.78	41.4	n
OCDF	*	* n	NotFnd	1.44	*	5.75	-	n
OCDD	*	* n	NotFnd	1.11	*	4.75	-	n



Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :GOA040000-196 (7)

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:0
Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21
Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A17

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

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, NotF7, \*, n, \*, \*, \*, n, n.

Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :GOA040000-196 (7)

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:0
Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21
Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A17

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

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, NotF7, \*, n, \*, \*, \*, n, n.

Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :GOA040000-196 (7)

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:0
Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21
Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A17

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

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, NotF7, \*, n, \*, \*, \*, n, n.

Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :GOA040000-196 (7)

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:0  
 Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21  
 Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A1

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

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

Totals Results TestAmerica West Sacramento Page 5 of 9

Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :G0A040000-196

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:0  
 Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21  
 Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A1

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

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

Totals Results TestAmerica West Sacramento Page 6 of 9

Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :G0A040000-196

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:0  
 Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21  
 Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A1

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

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

Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :G0A040000-196 (7)

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:0  
 Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21  
 Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A17

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

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

Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :G0A040000-196 (7)

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:1  
 Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21  
 Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A17

Amount: 1.17 of which 1.17 named and \* unnamed  
 Conc: 1.17 of which 1.17 named and \* unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:37	1.96	n	1.17	109525	1.6	n n
					55768		2.5	n n

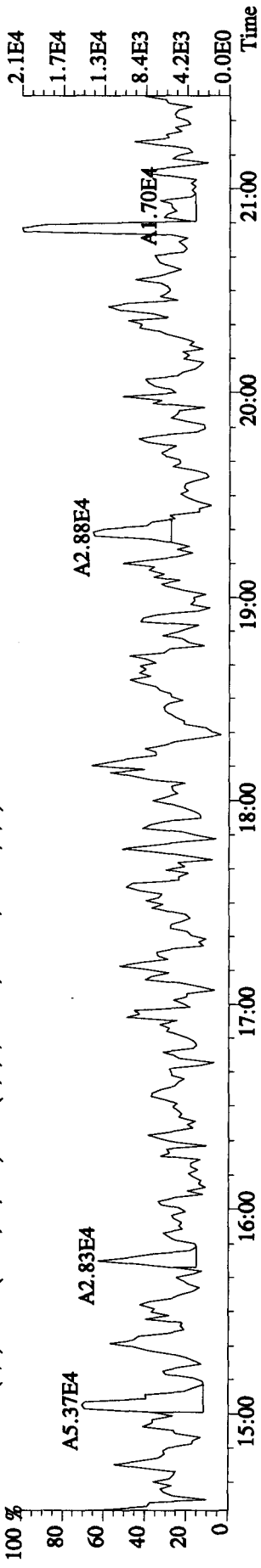
Run Text: LRTM9-1-AAB Sample text: LRTM9-1-AAB :G0A040000-196 (7)

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:2  
 Run: 13 File: 06JA10A1D5 S:9 Acq:7-JAN-10 03:44:21  
 Tables: Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5 Results: 06JA10A17

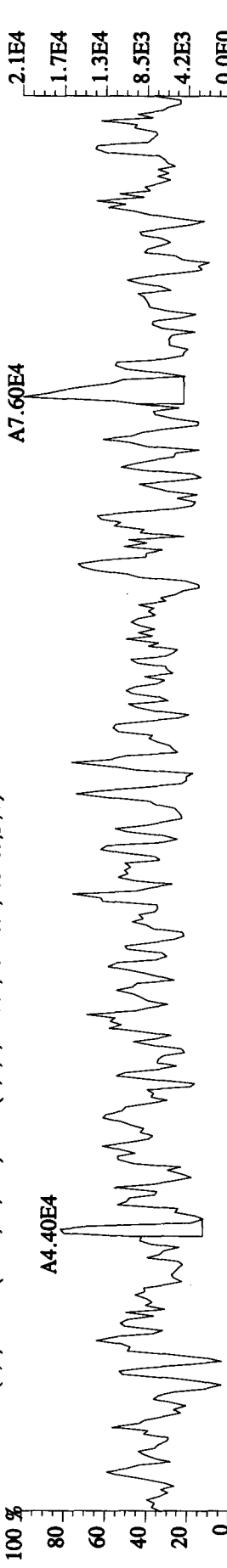
Amount: 2.83 of which 1.23 named and 1.60 unnamed  
 Conc: 2.83 of which 1.23 named and 1.60 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	34:55	1.18	y	1.60	48290	1.2	n n
					41003		1.4	n n
1,2,3,4,6,7,8-HpCDD	2	35:33	2.38	n	1.23	79706	3.0	y n
					33483		1.7	n n

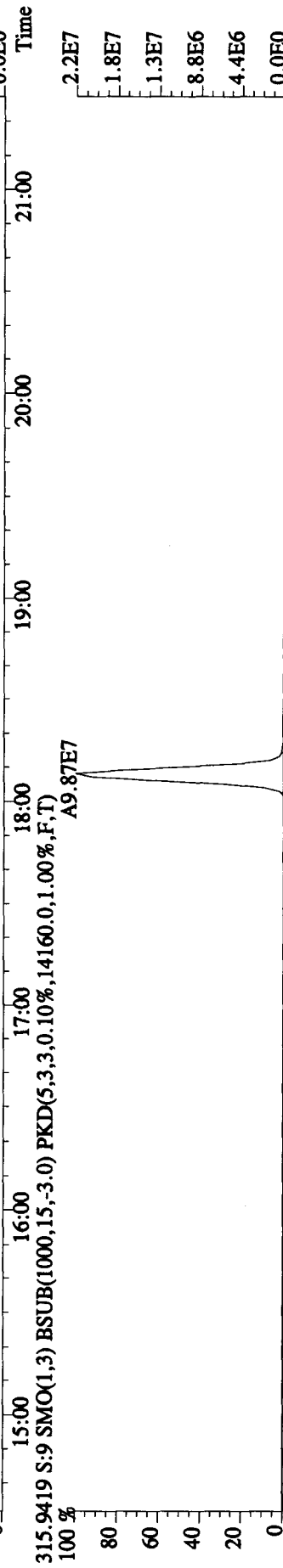
File:06JA10A1D5 #1-410 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LRTM9-1-AAB :G0A04000-196 (490-1MB) Exp:DIOXIN  
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7028,0.1.00%,F,T)



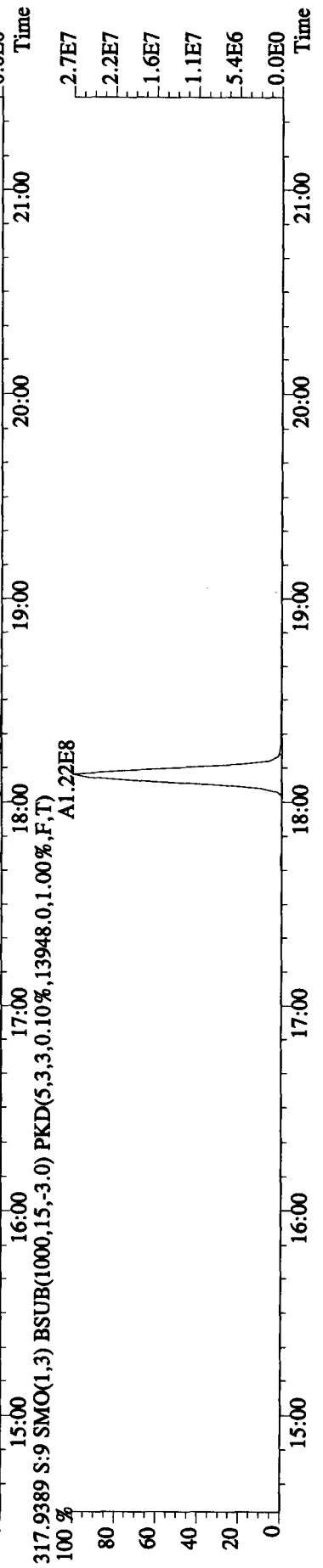
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10656,0.1.00%,F,T)



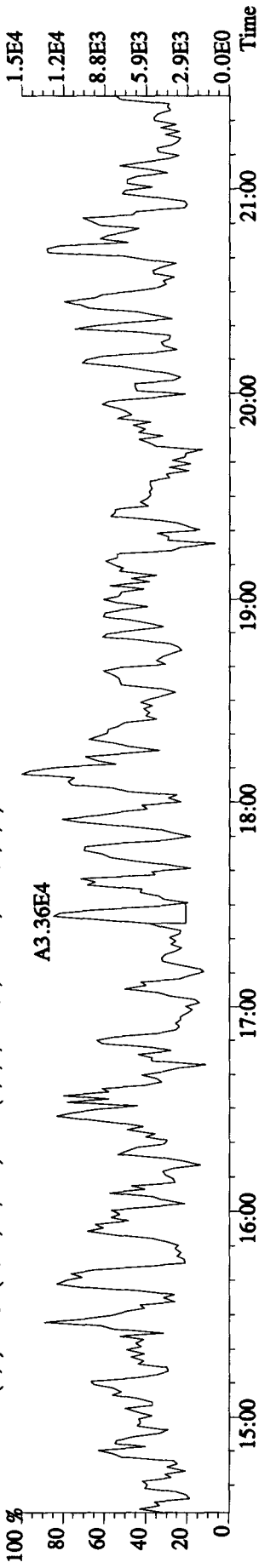
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14160,0.1.00%,F,T)



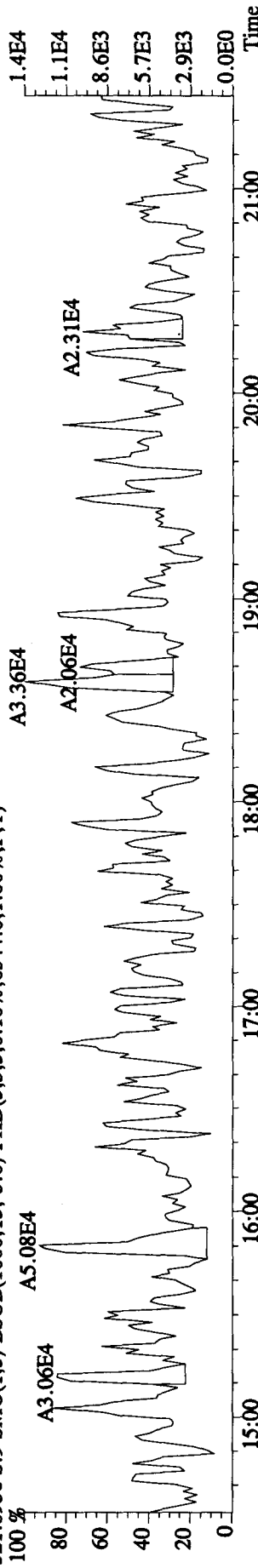
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13948,0.1.00%,F,T)



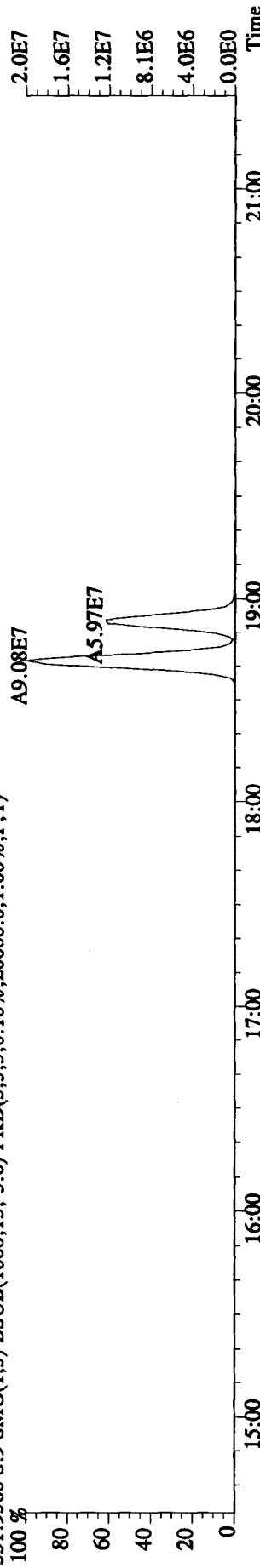
File:061A10A1D5 #1-410 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LRTM9-1-AAB :GOA040000-196 (490-1MB) Exp:DIOXIN  
 319.8965 S:9 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7740.0,1.00%,F,T)



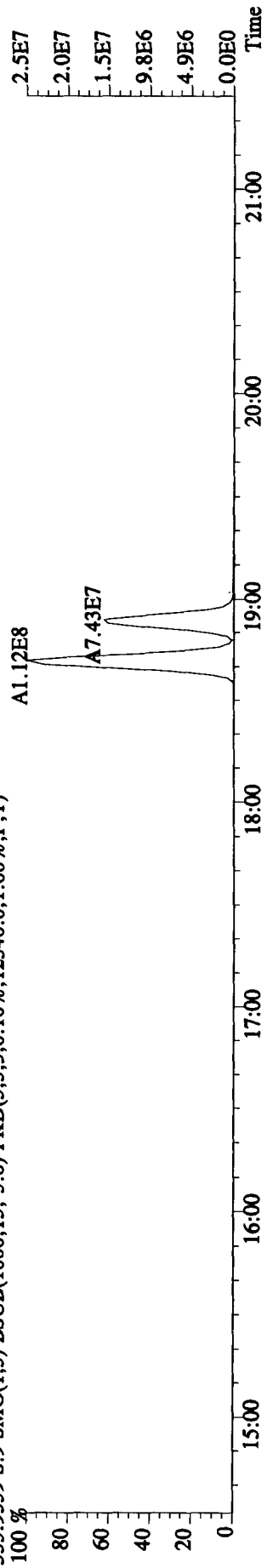
321.8936 S:9 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6344.0,1.00%,F,T)



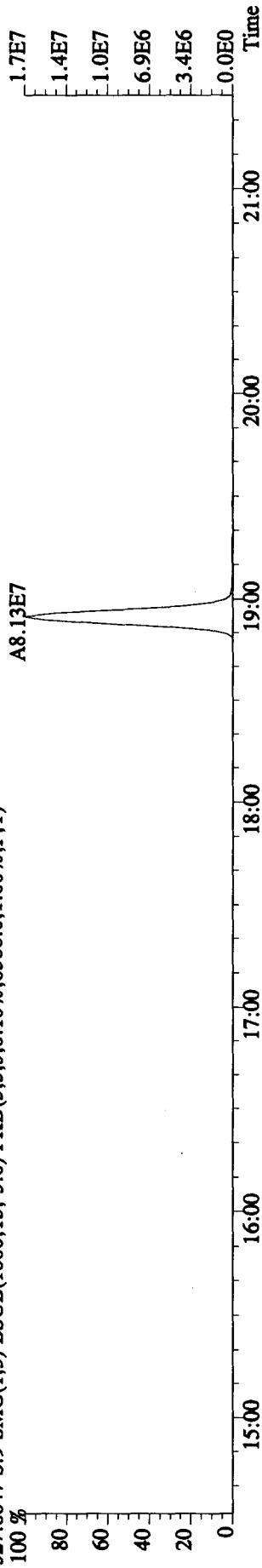
331.9368 S:9 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20600.0,1.00%,F,T)



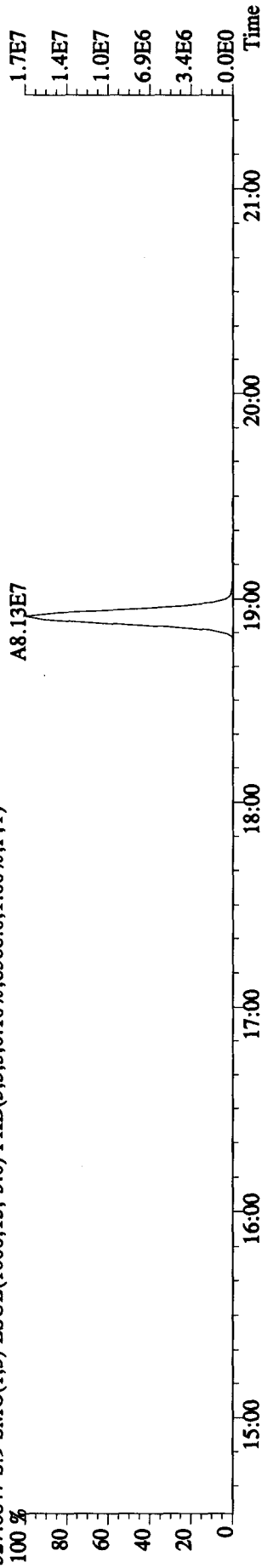
333.9339 S:9 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12340.0,1.00%,F,T)



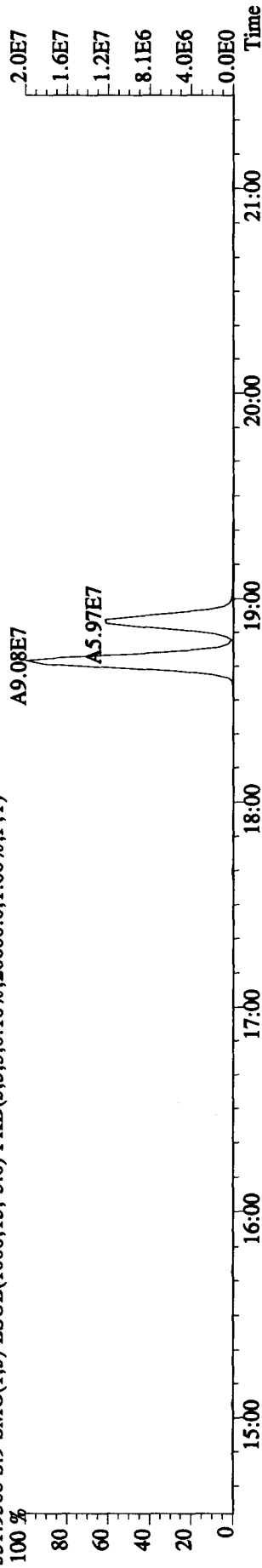
File:06JA10A1D5 #1-410 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LR1M9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN  
 327.8847 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8388.0,1.00%,F,T)



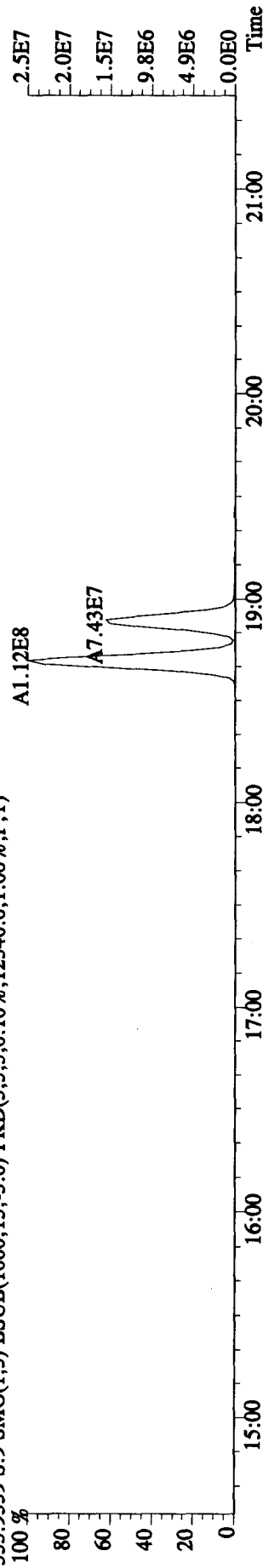
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8388.0,1.00%,F,T)



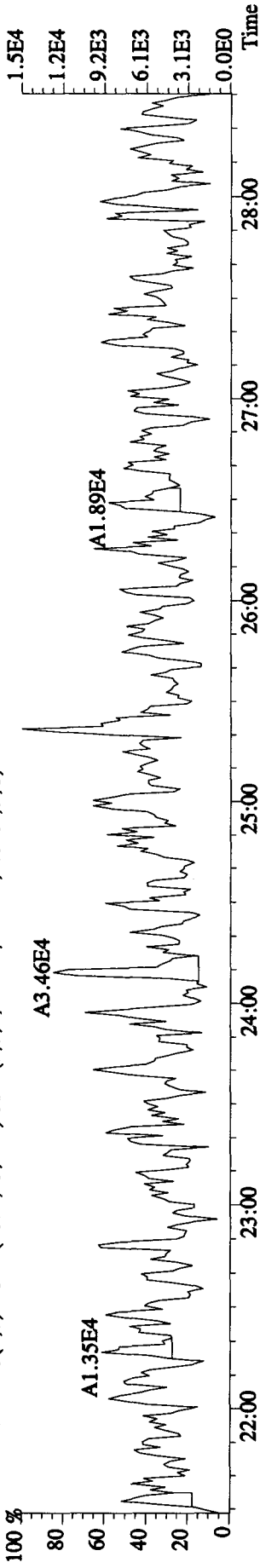
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,20600.0,1.00%,F,T)



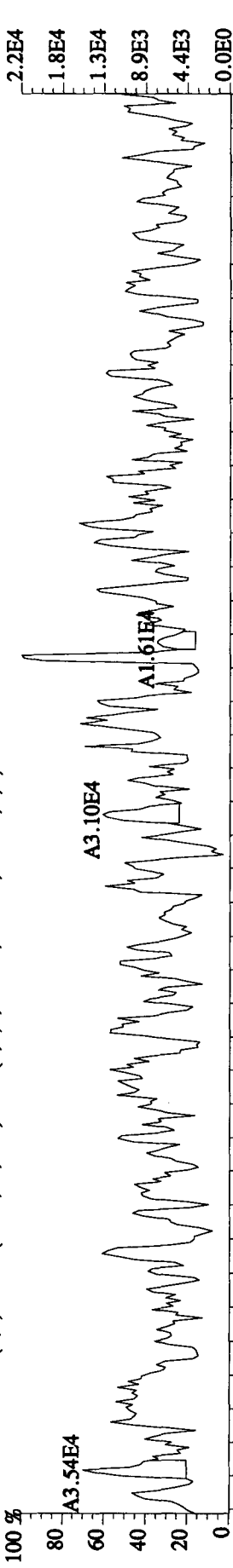
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12340.0,1.00%,F,T)



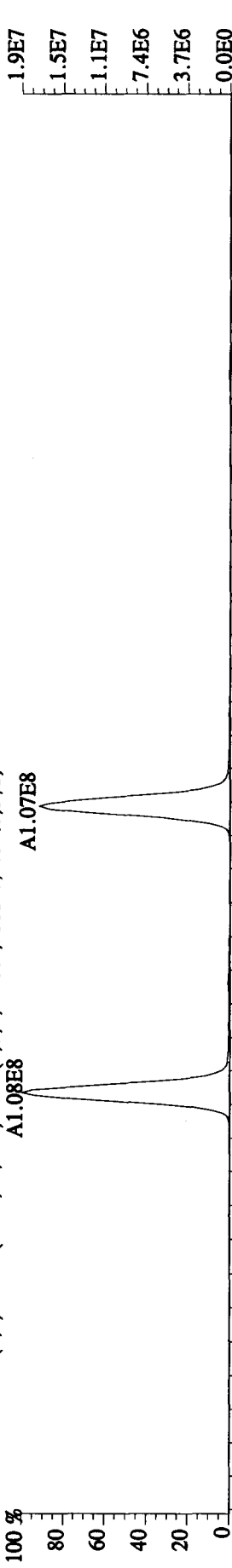
File:06JA10A1D5 #1-495 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LRTM9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN  
 339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6572.0,1.00%,F,T)



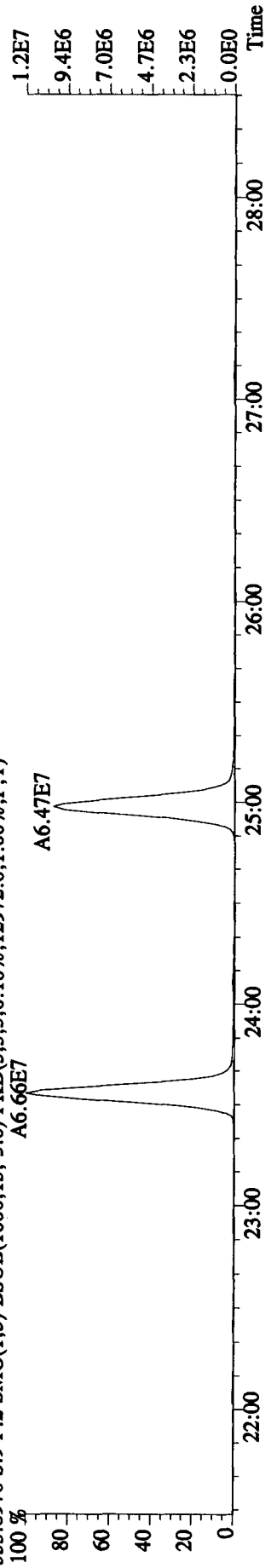
341.8567 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9644.0,1.00%,F,T)



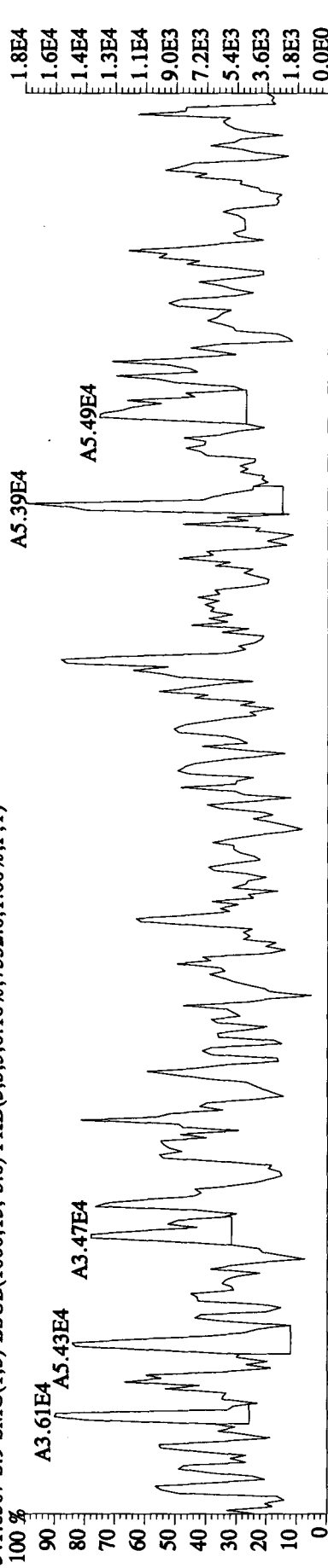
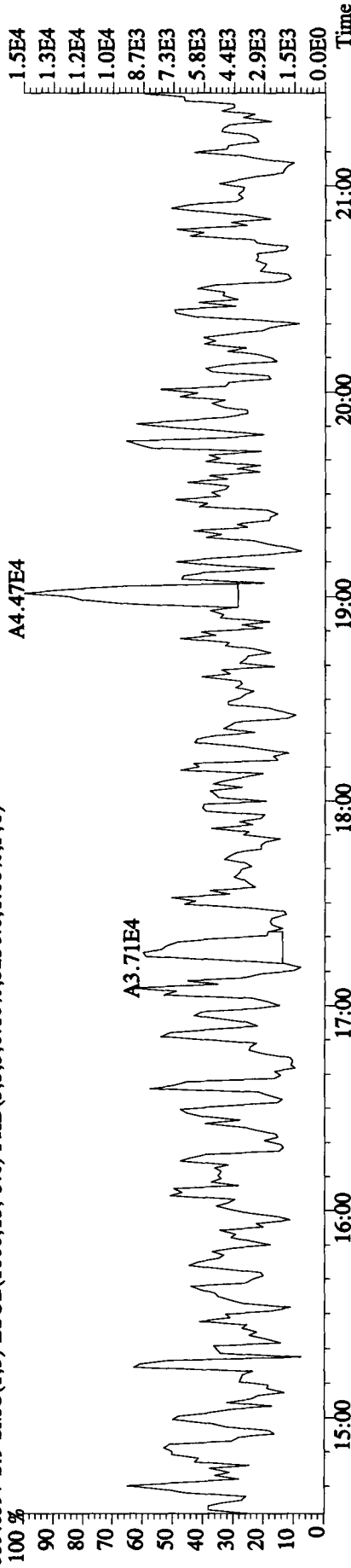
351.9000 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9532.0,1.00%,F,T)



353.8970 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12972.0,1.00%,F,T)

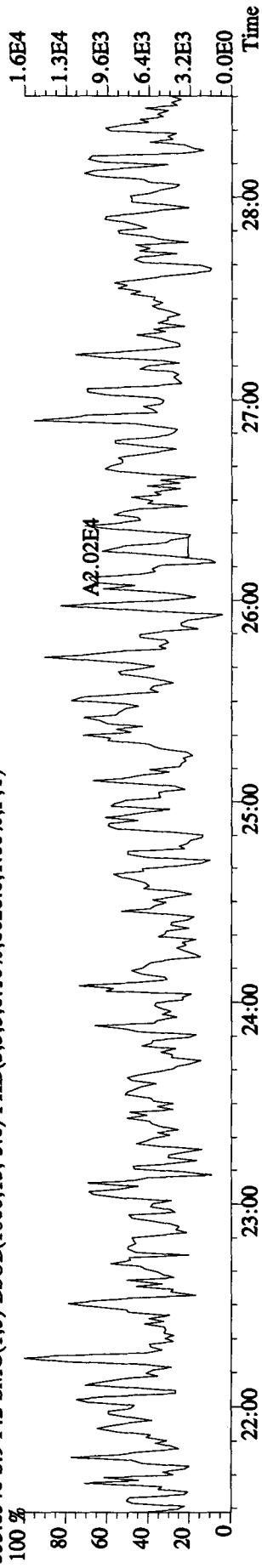


File:06JA10A1D5 #1-410 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LRTM9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN  
 339.8597 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5256.0,1.00%,F,T)

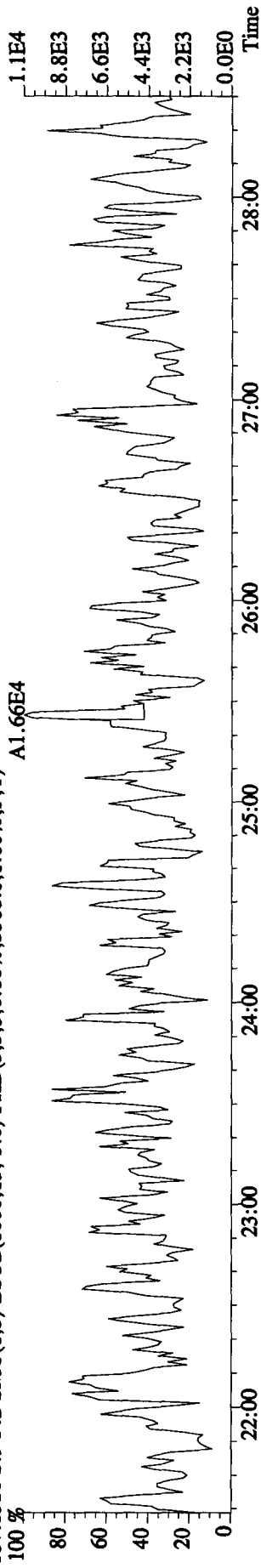




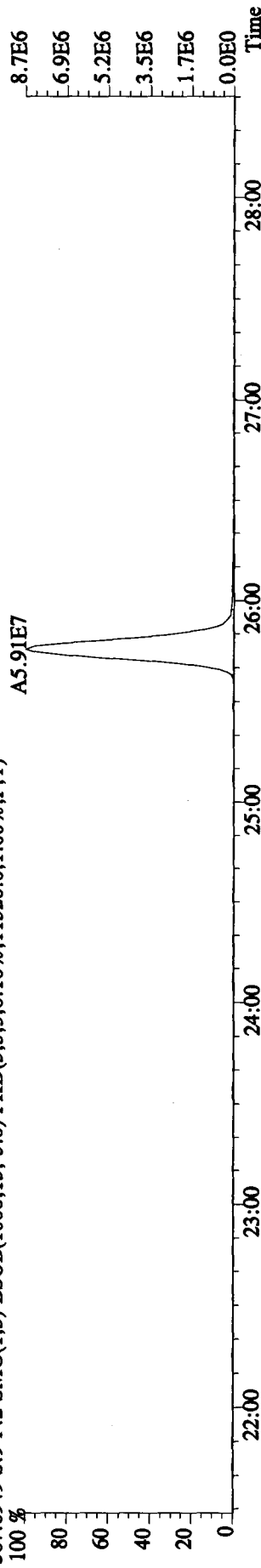
File:06JA10A1D5 #1-495 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LRTM9-1-AAB :GOAC40000-196 (490-1MB) Exp:DIOXIN  
 355.8546 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8028,0,1.00%,F,T)



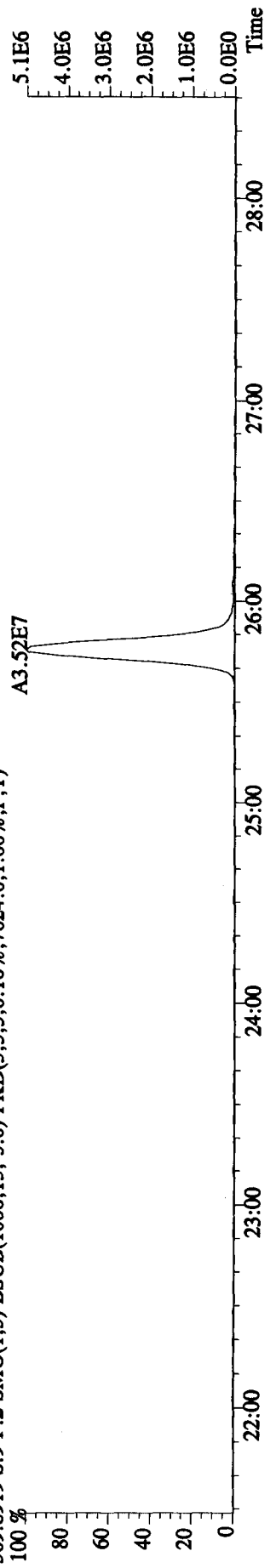
357.8516 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5588,0,1.00%,F,T)



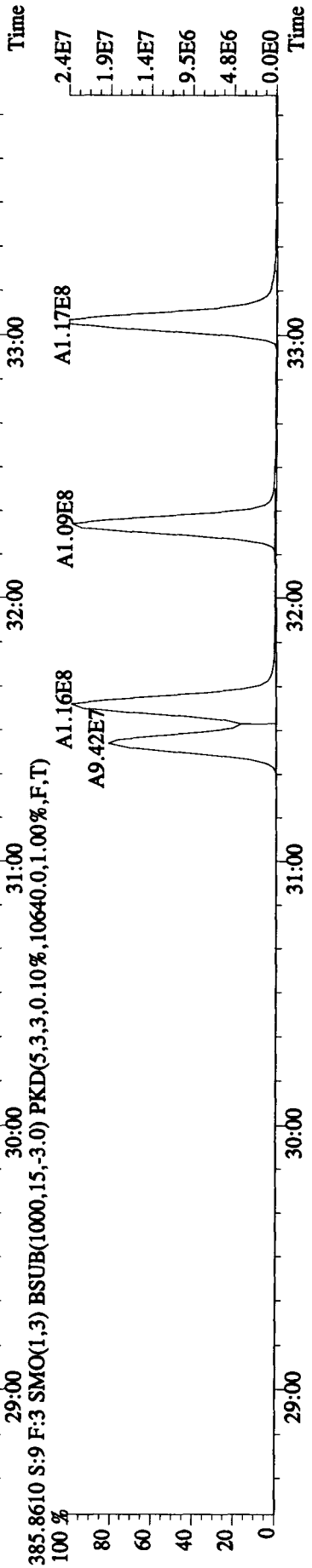
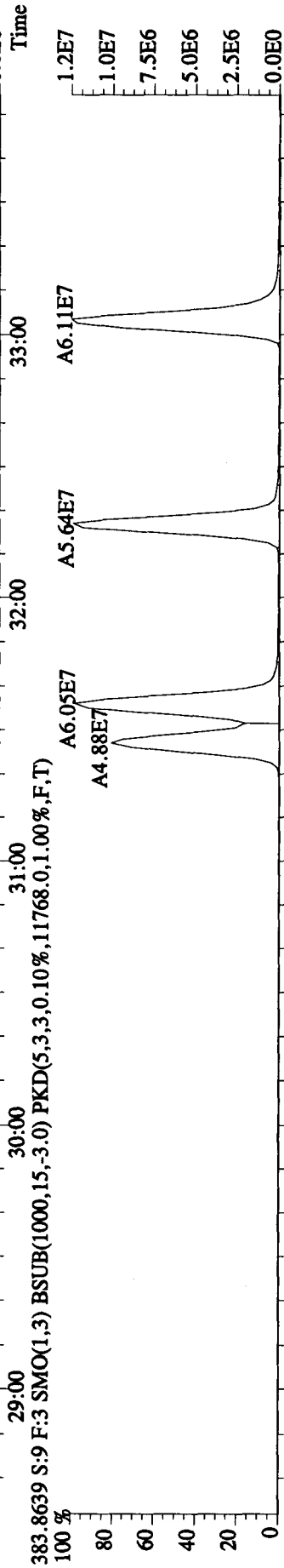
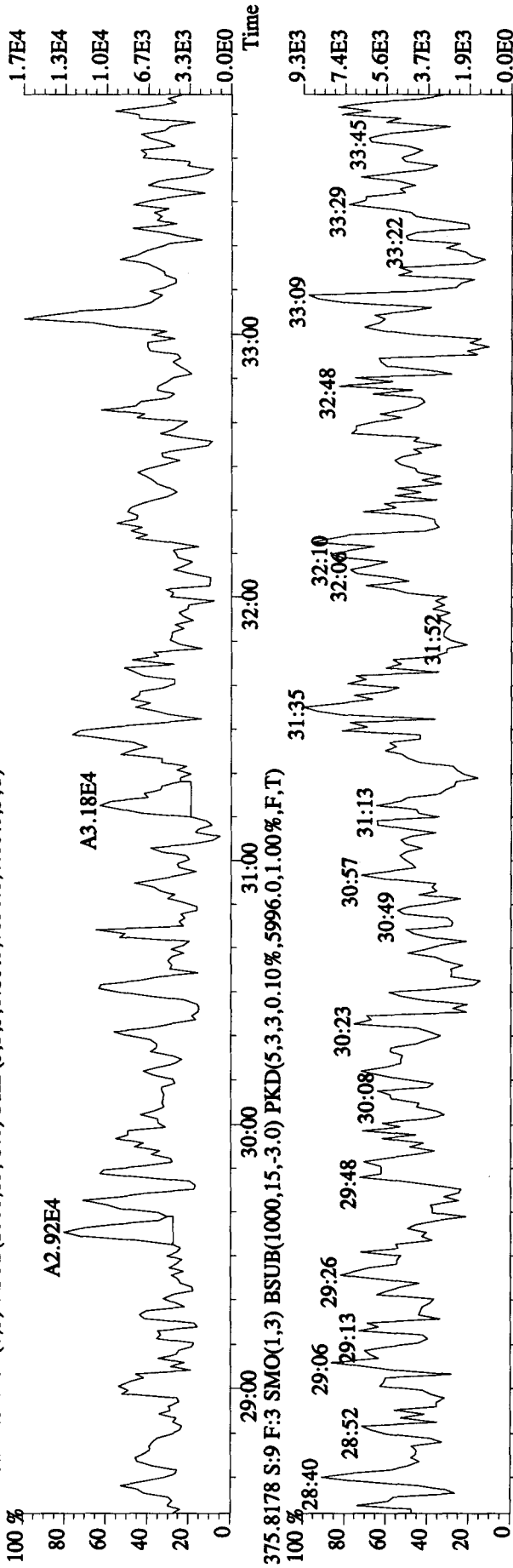
367.8949 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11520,0,1.00%,F,T)



369.8919 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7624,0,1.00%,F,T)



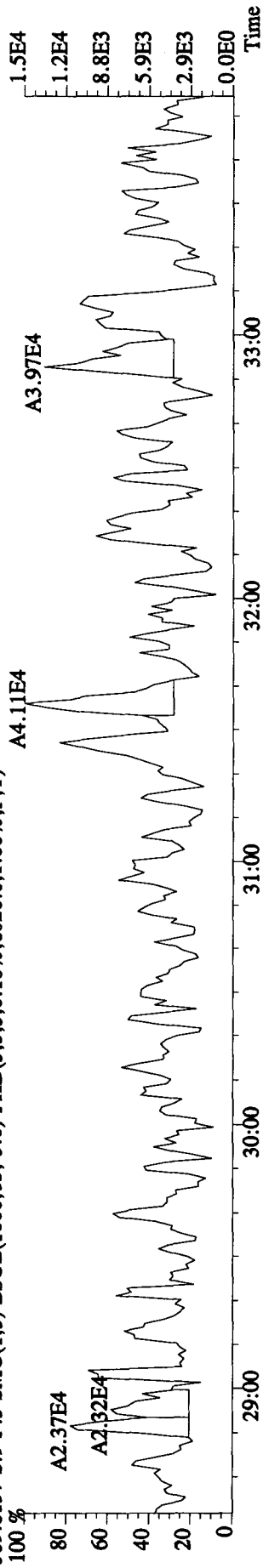
File:06JA10A1D5 #1-362 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LRTM9-1-AAAB :G0A040000-196 (490-1MB) Exp:DIOXIN  
 373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7056,0.1.00%,F,T)



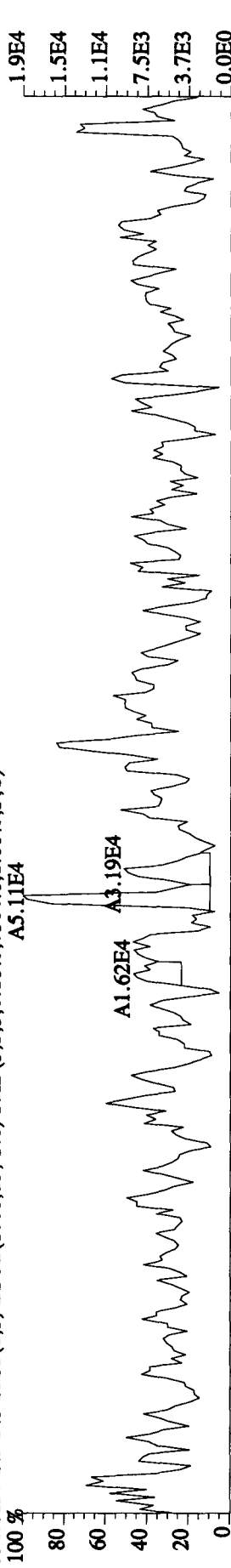
File:06JA10AID5 #1-362 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE

Sample#9 Text:LRTM9-1-AAB :GOA040000-196 (490-1MB) Exp:DIOXIN

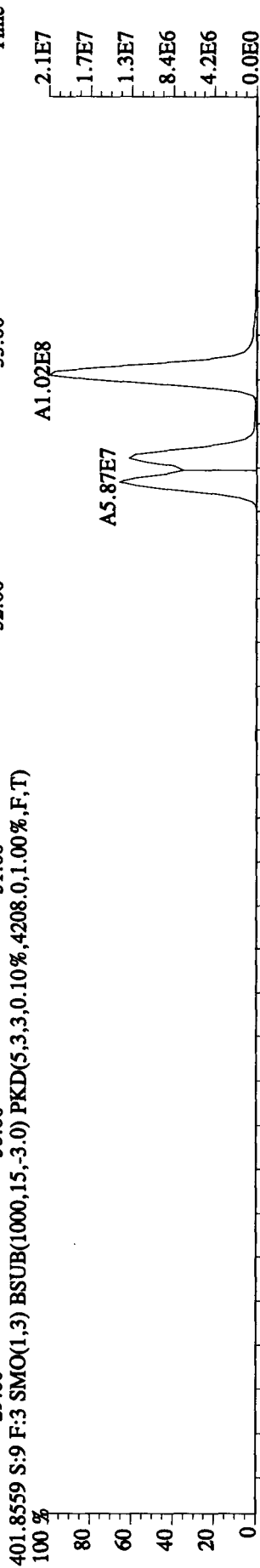
389.8157 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6020.0,1.00%,F,T)



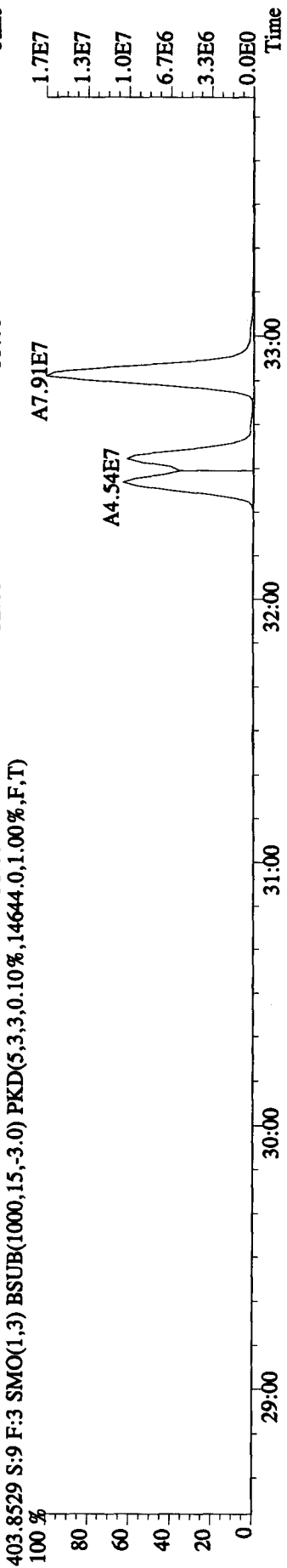
391.8127 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7304.0,1.00%,F,T)



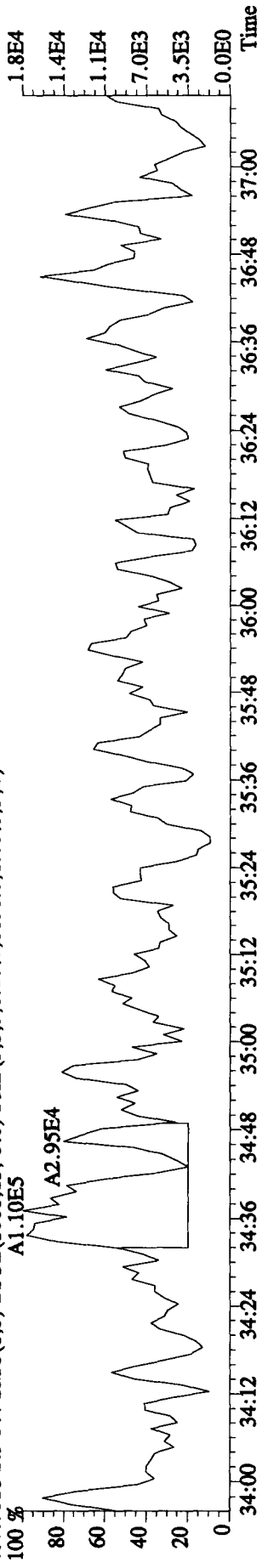
401.8559 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4208.0,1.00%,F,T)



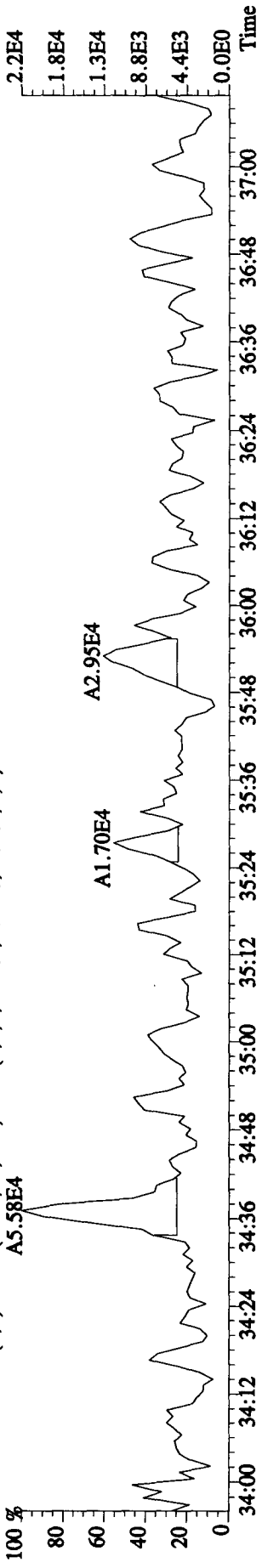
403.8529 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14644.0,1.00%,F,T)



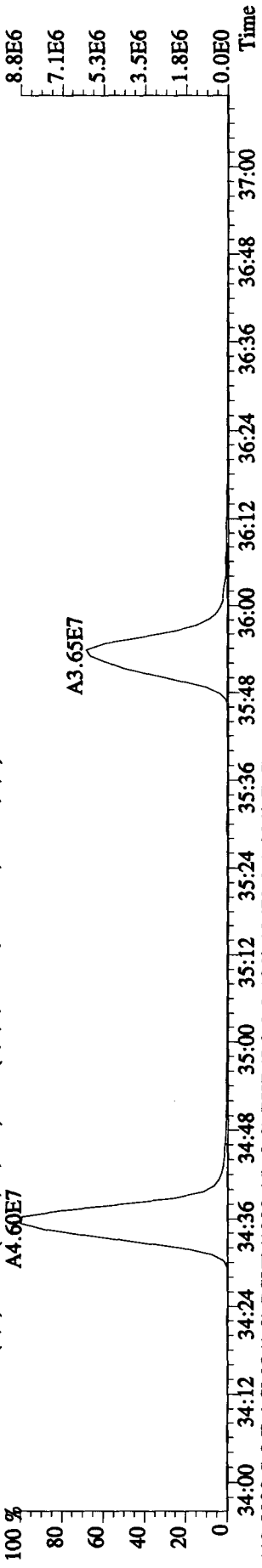
File:06JA10A1D5 #1-228 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LRTM9-1-AAB :GOA040000-196 (490-1MB) Exp:DIOXIN  
 407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)



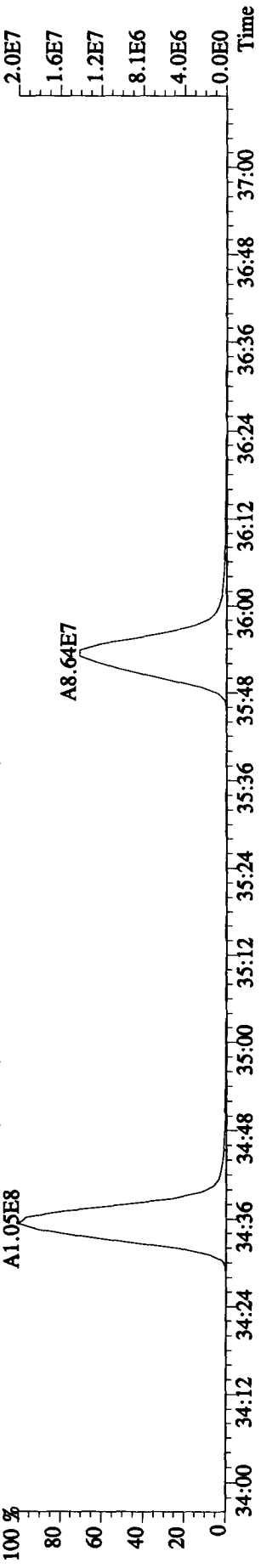
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6616.0,1.00%,F,T)



417.8253 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20208.0,1.00%,F,T)



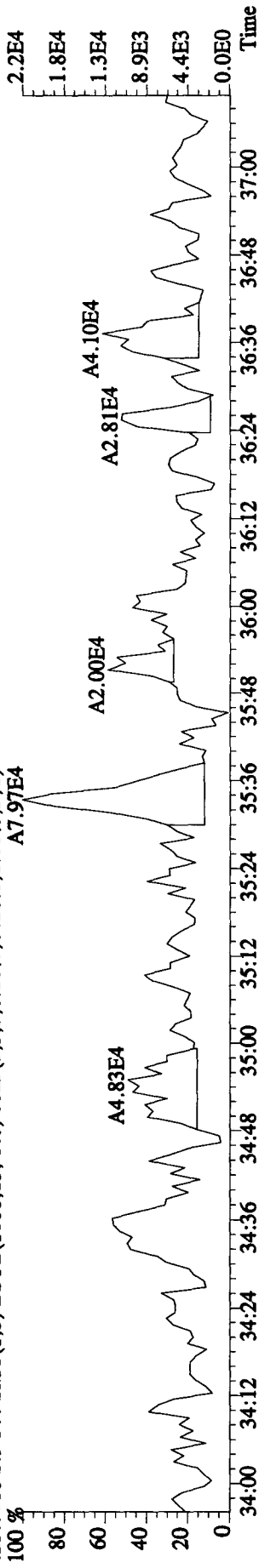
419.8220 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18672.0,1.00%,F,T)



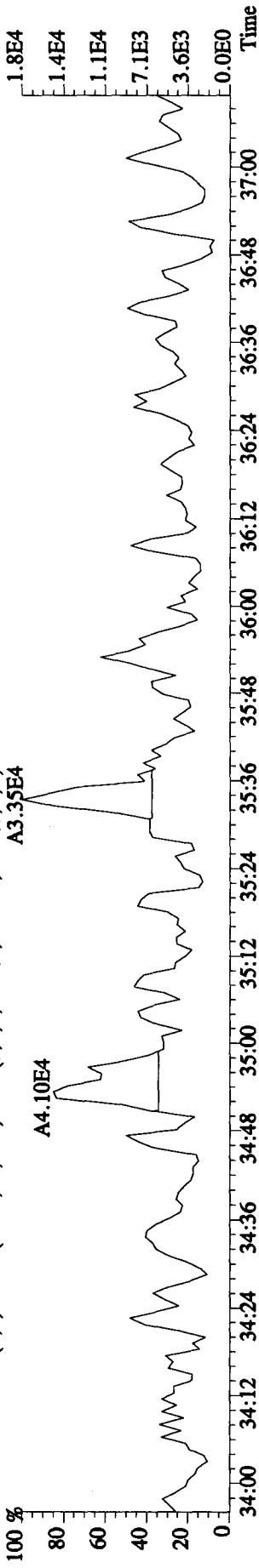
File: 061A10A1D5 #1-228 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE

Sample#9 Text: LRTM9-1-AAB :GOA040000-196 (490-1MB) Exp: DIOXIN

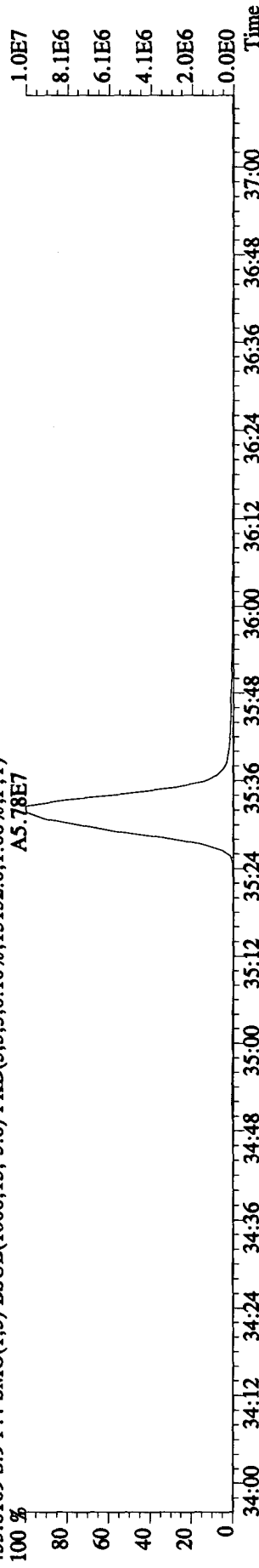
423.7766 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6428,0,1.00%,F,T)



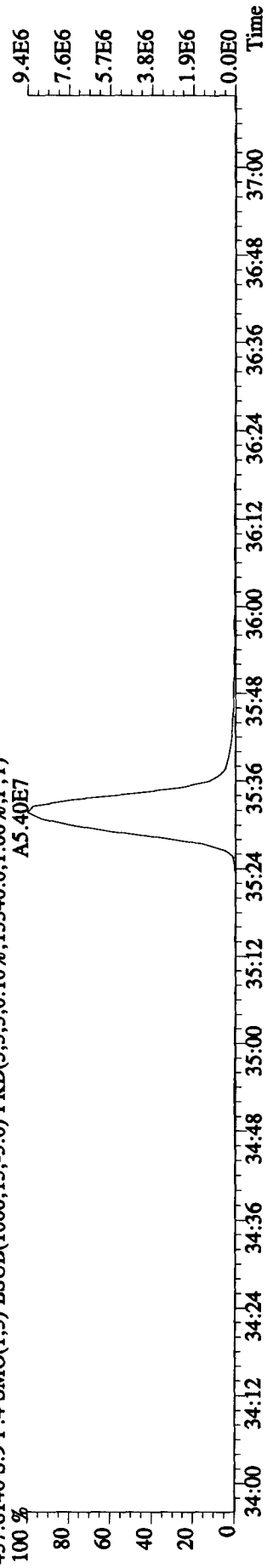
425.7737 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6344,0,1.00%,F,T)



435.8169 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15132,0,1.00%,F,T)



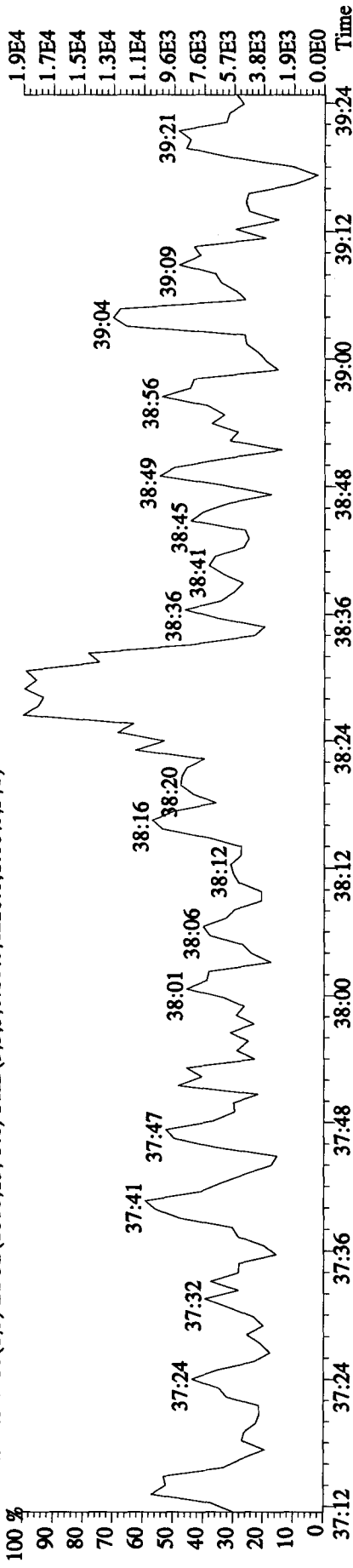
437.8140 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13340,0,1.00%,F,T)



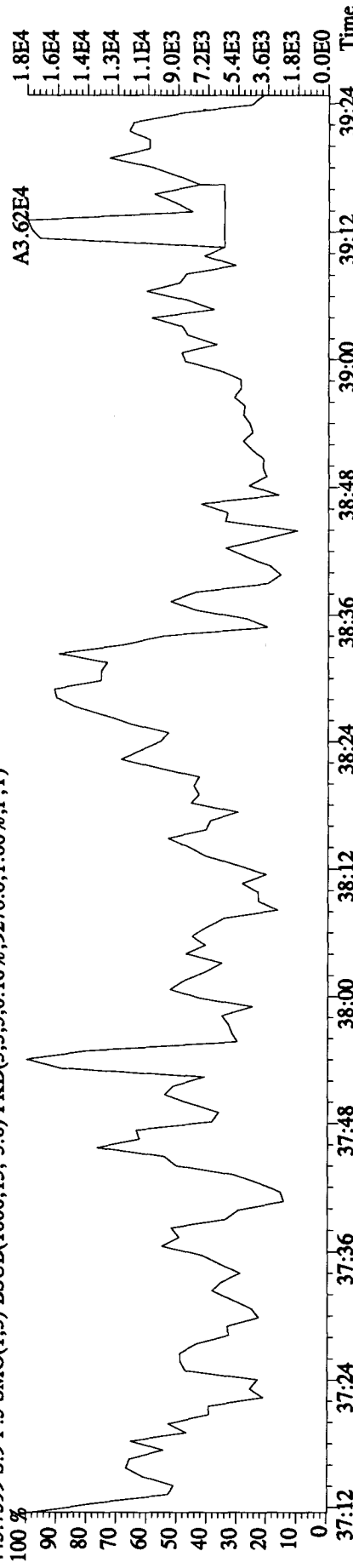
File:061A10A1D5 #1-161 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE

Sample#9 Text:LRTM9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN

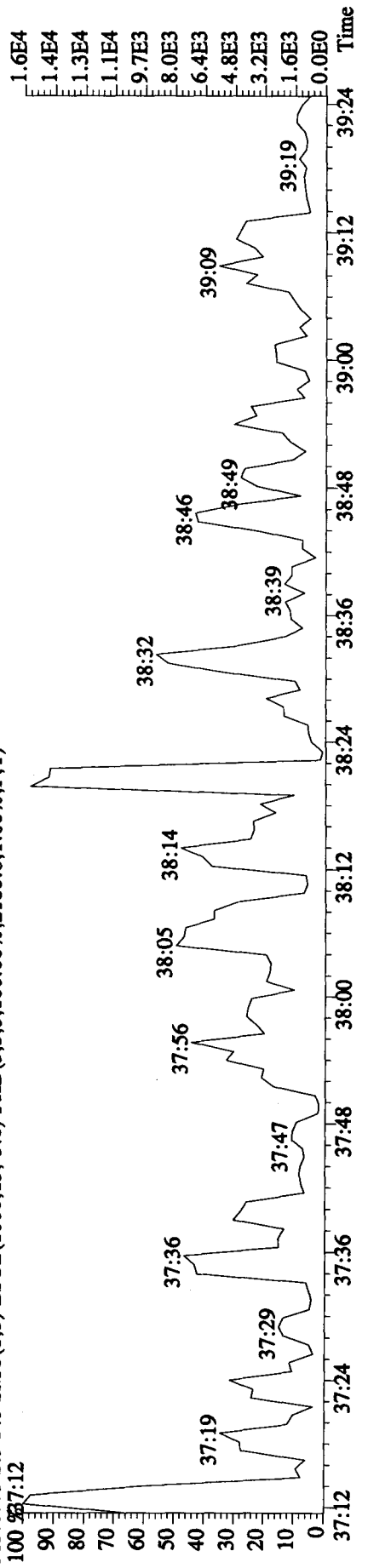
441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8228.0,1.00%,F,T)



443.7399 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9276.0,1.00%,F,T)



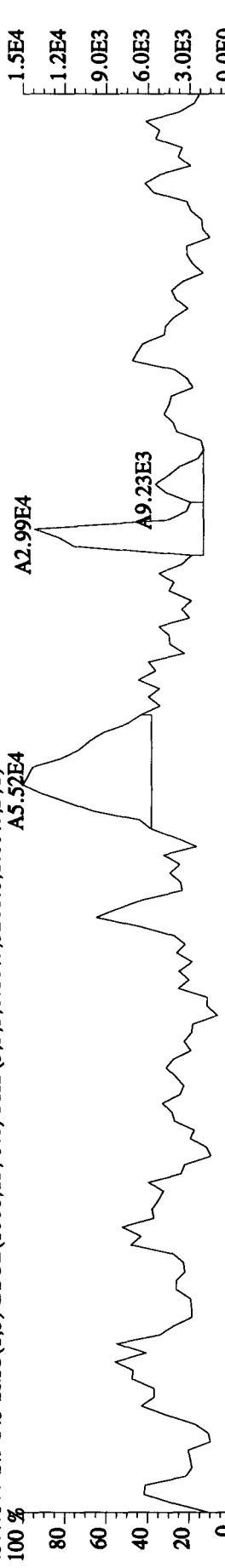
513.6775 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2180.0,1.00%,F,T)



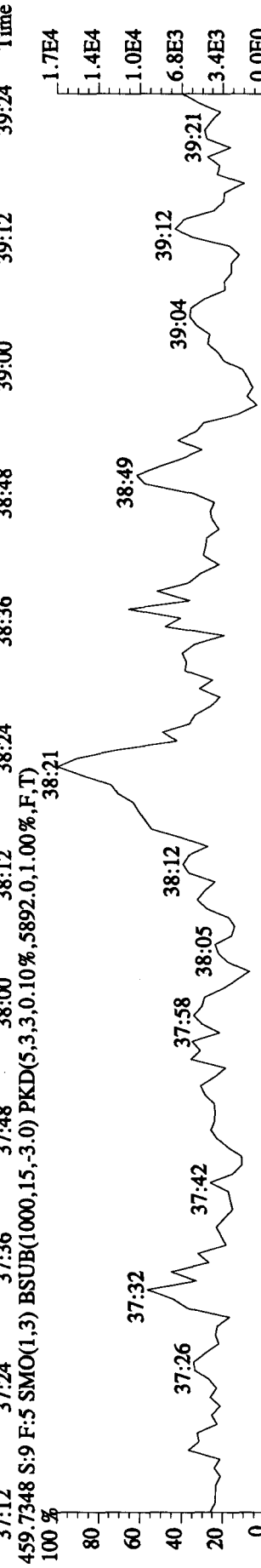
File:06JA10AID5 #1-161 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE

Sample#9 Text:LRTM9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN

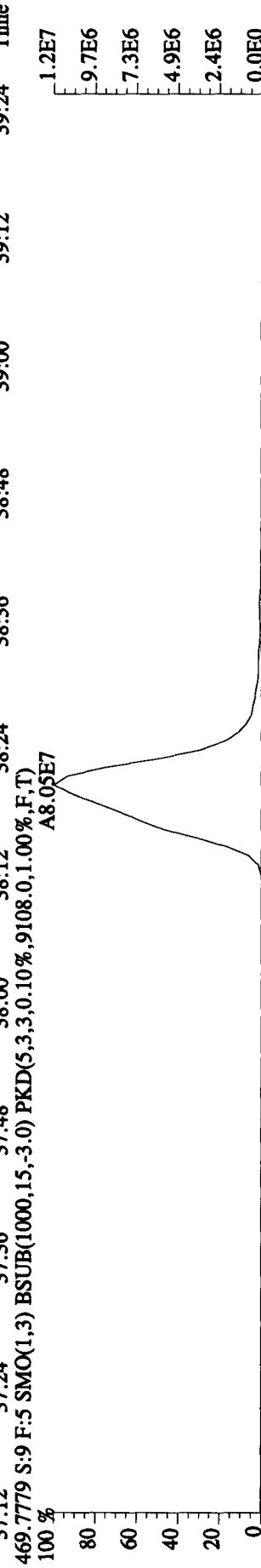
457.7377 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5268.0,1.00%,F,T)



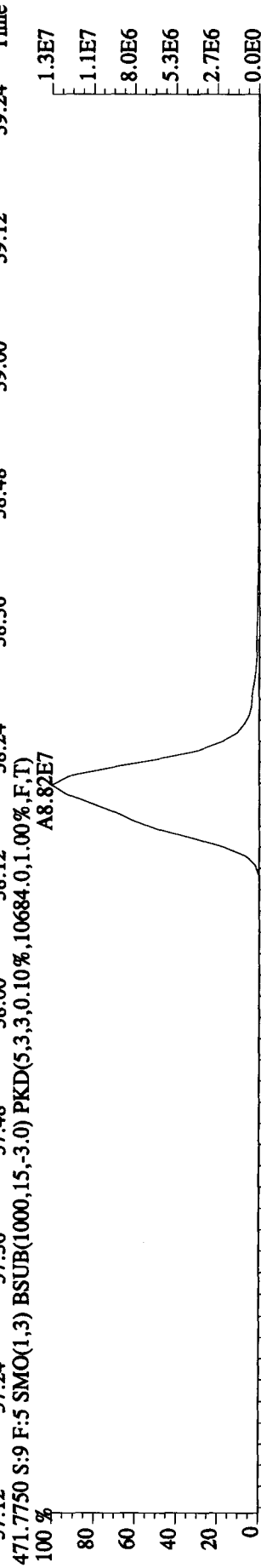
459.7348 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5892.0,1.00%,F,T)



469.7779 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9108.0,1.00%,F,T)

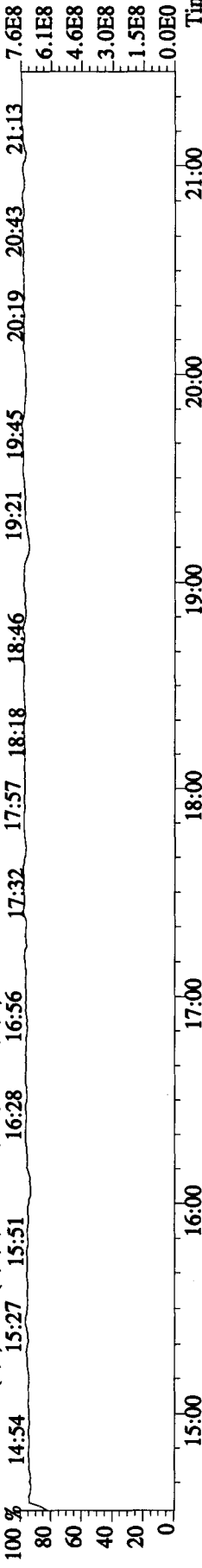


471.7750 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10684.0,1.00%,F,T)

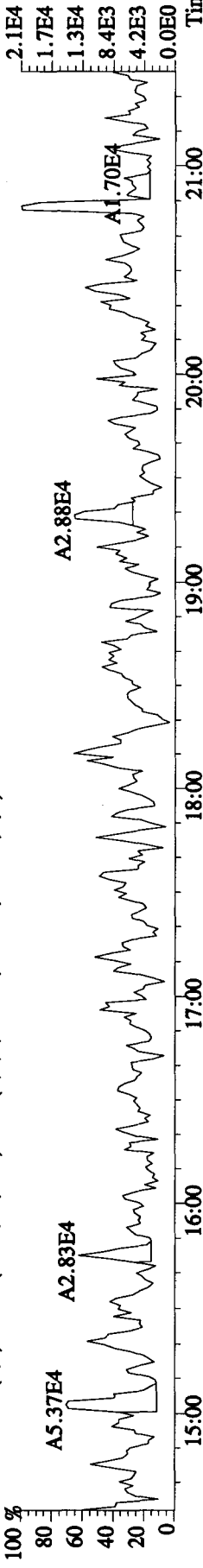


File:06JA10A1D5 #1-410 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
Sample#9 Text:LRTM9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN

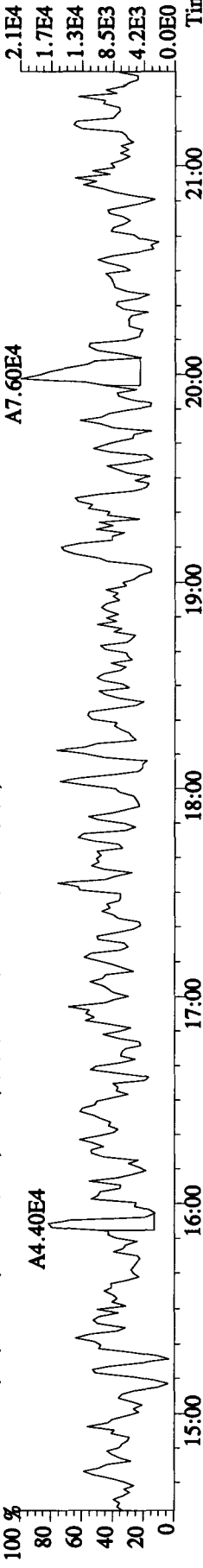
292.9825 S:9 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



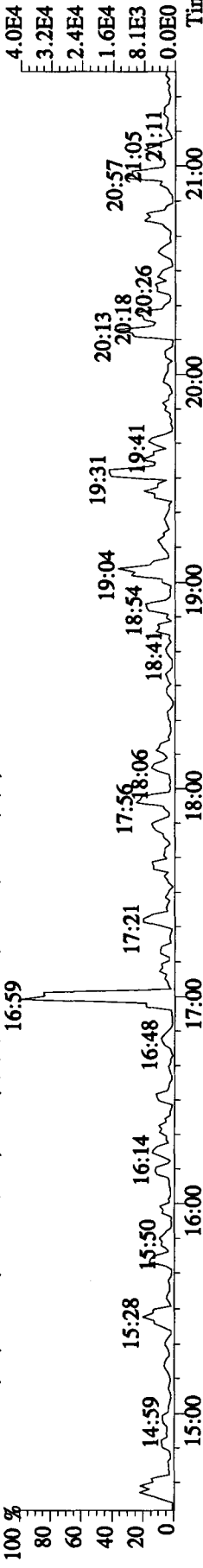
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7028.0,1.00%,F,T)



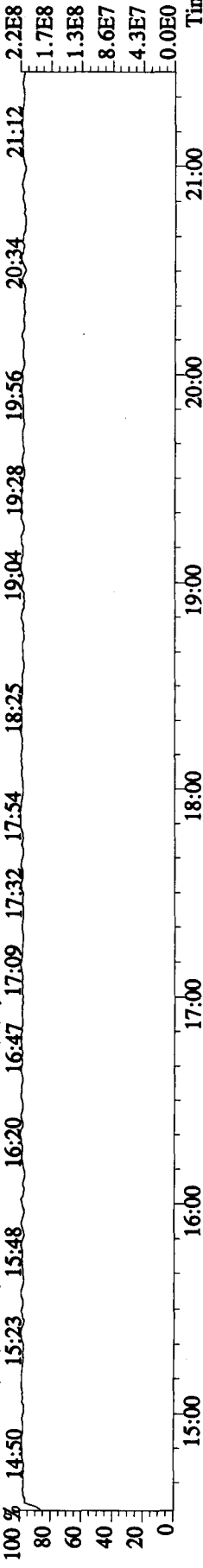
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10656.0,1.00%,F,T)



375.8364 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1780.0,1.00%,F,T)



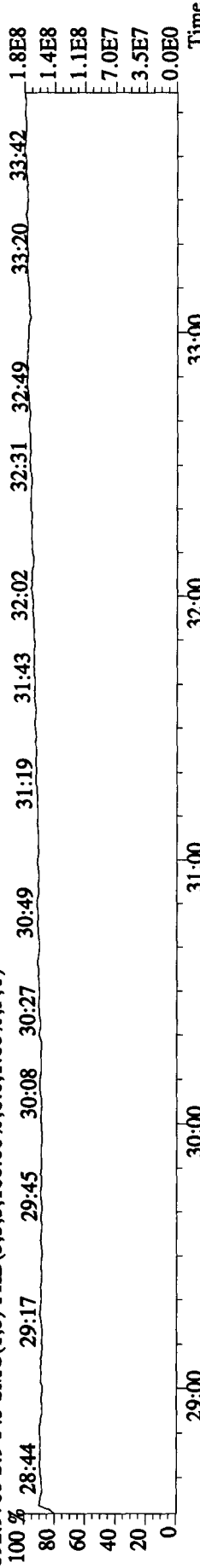
330.9792 S:9 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



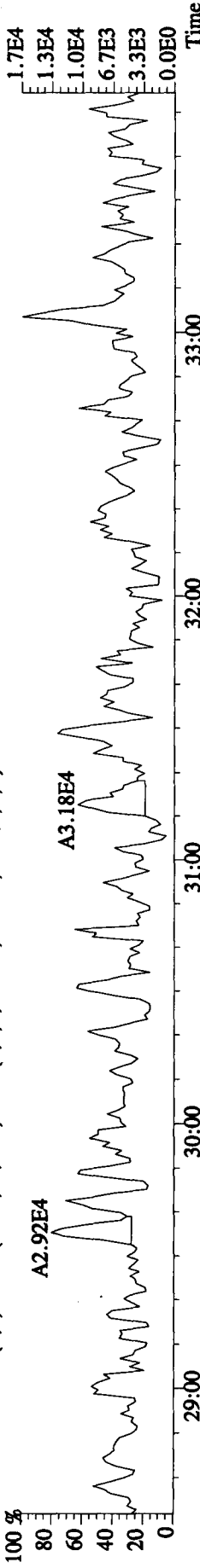




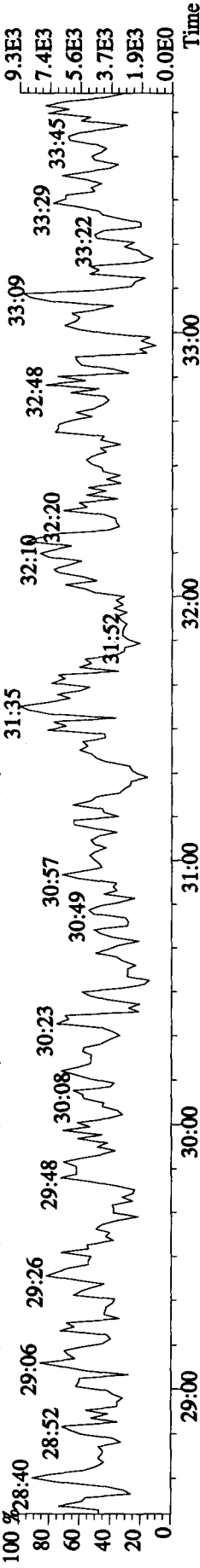
File: 06JA10A1D5 #1-362 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text: LRTM9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN  
 392.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



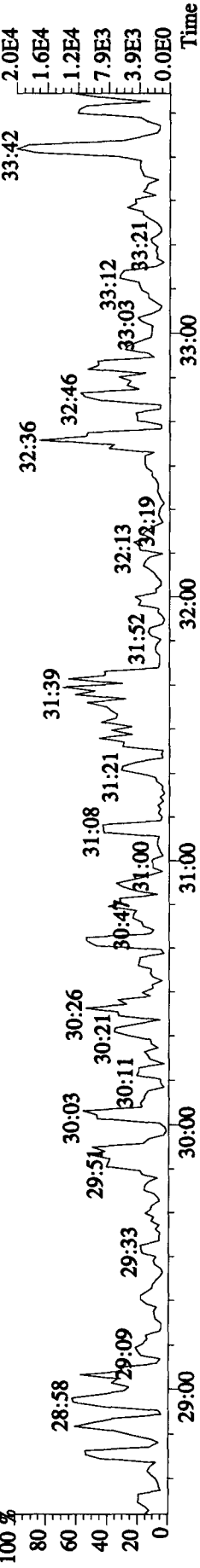
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7056.0,1.00%,F,T)



375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5996.0,1.00%,F,T)



445.7555 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2196.0,1.00%,F,T)

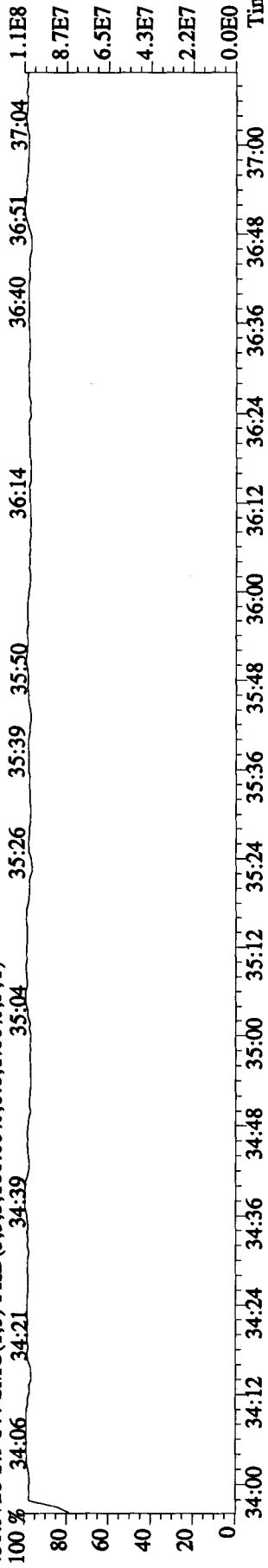


380.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

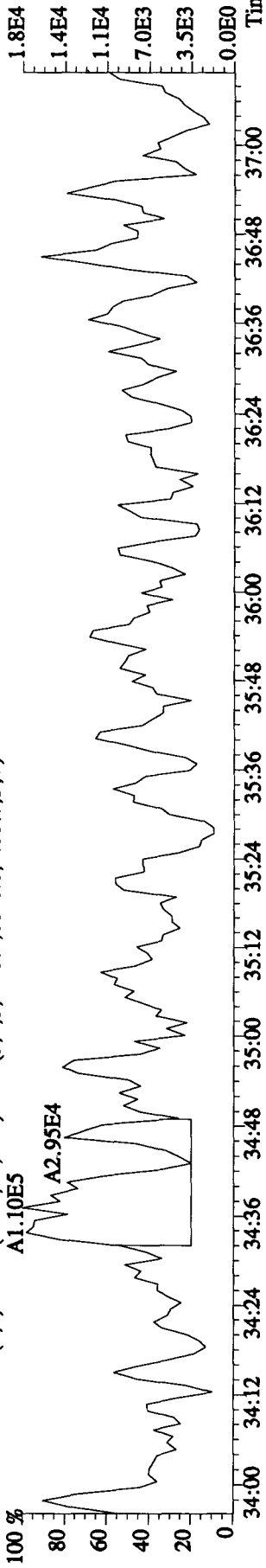
File:06JA10A1D5 #1-228 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE

Sample#9 Text:LRTM9-1-AAAB :GOA040000-196 (490-1MB) Exp:DIOXIN

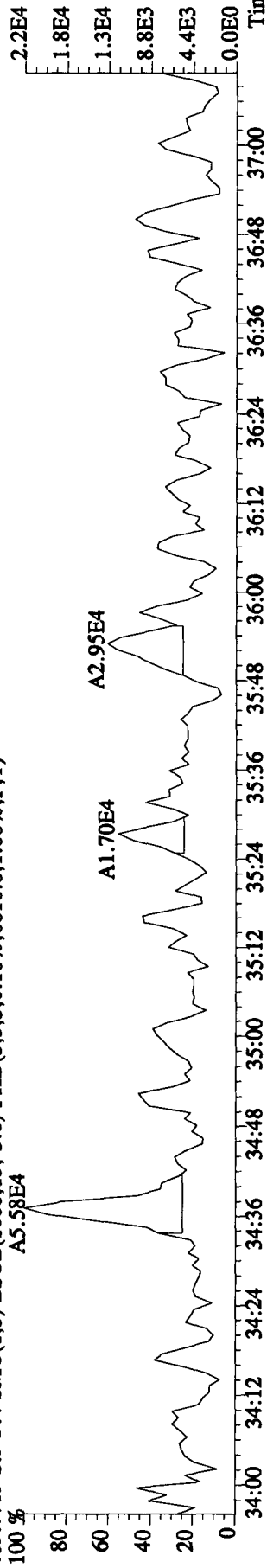
430.9728 S:9 F:4 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



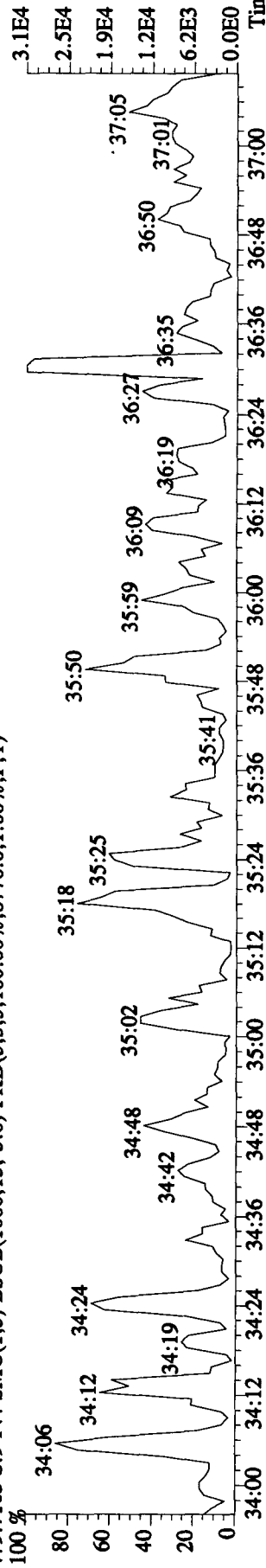
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8656,0,1.00%,F,T)



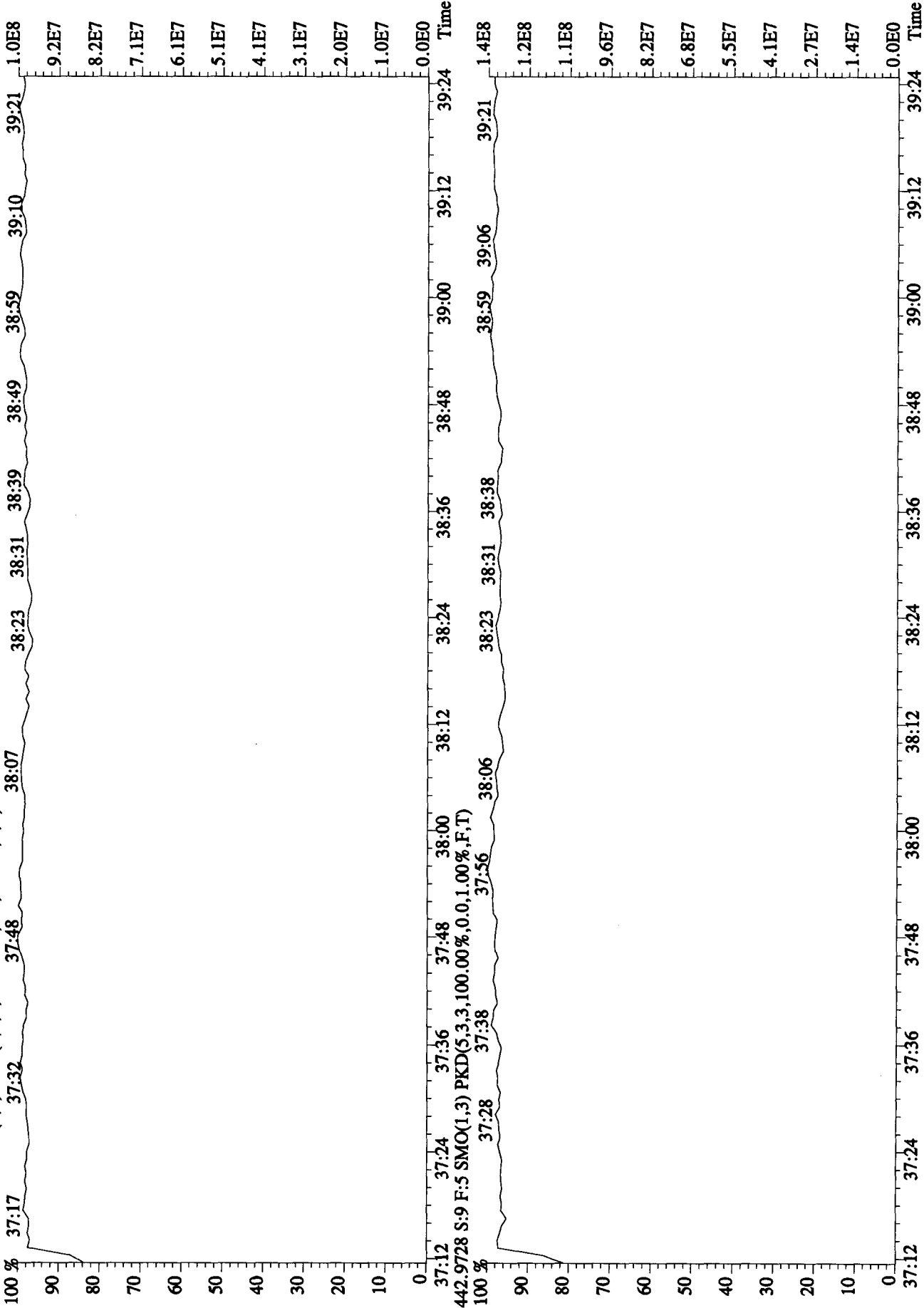
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6616,0,1.00%,F,T)



479.7165 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,8776,0,1.00%,F,T)



File:06JA10AID5 #1-161 Acq: 7-JAN-2010 03:44:21 GC EI+ Voltage SIR 70SE  
 Sample#9 Text:LR1M9-1-AAB :G0A040000-196 (490-1MB) Exp:DIOXIN  
 454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LRTM9-1-ACC Sample text: LRTM9-1-ACC :GOA040000-196 (490-1LCS)  
 Run #12 Filename: 06JA10A1D5 S: 8 I: 1 Results: 06JA10A1D58290  
 Acquired: 7-JAN-10 03:02:33 Processed: 7-JAN-10 09:20:42  
 Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.000000L

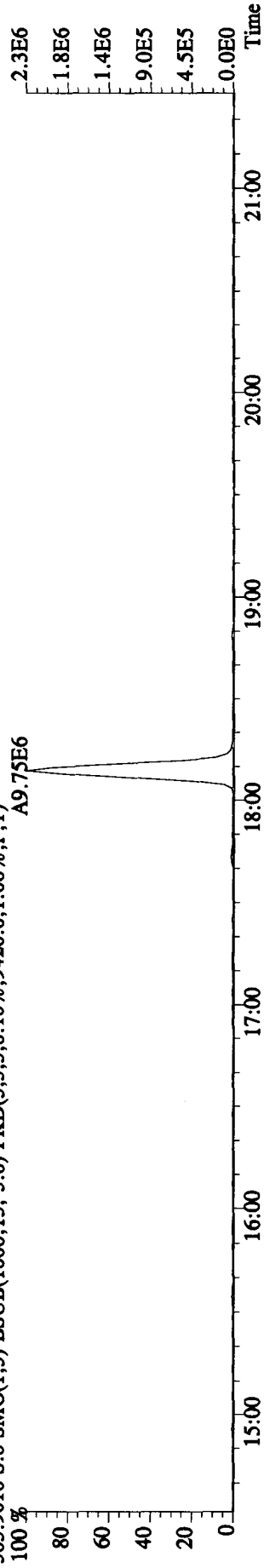
JRB  
1/7/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	192120104	0.81 y	18:41	-	61.68	-	-	n
13C-2,3,7,8-TCDF	256707608	0.80 y	18:08	1.57	853.23	1.30	42.7	n
2,3,7,8-TCDF	22551686	0.76 y	18:09	0.86	204.33 ✓	2.49	-	n
Total TCDF	22920816	0.76 y	17:11	0.86	207.68	2.49	-	n
13C-2,3,7,8-TCDD	151949192	0.80 y	18:53	0.99	796.23	1.81	39.8	n
2,3,7,8-TCDD	13864961	0.79 y	18:54	0.93	195.44 ✓	2.94	-	n
Total TCDD	13864961	0.79 y	18:54	0.93	195.44	2.94	-	n
37Cl-2,3,7,8-TCDD	158891792	1.00 y	18:54	2.22	372.86	0.43	46.6	n
13C-1,2,3,7,8-PeCDF	195889984	1.68 y	23:33	1.07	950.38	1.77	47.5	n
1,2,3,7,8-PeCDF	105403864	1.62 y	23:35	1.00	1076.07 ✓	3.44	-	n
2,3,4,7,8-PeCDF	100154660	1.60 y	25:00	0.94	1089.46 ✓	3.66	-	n
Total F2 PeCDF	206223456	1.62 y	23:35	0.97	2172.53	3.54	-	n
Total F1 PeCDF	*	* n	NotFnd	0.97	*	2.69	-	n
13C-1,2,3,7,8-PeCDD	104159576	1.66 y	25:45	0.67	813.62	1.90	40.7	n
1,2,3,7,8-PeCDD	52751464	1.67 y	25:47	0.93	1090.12 ✓	5.80	-	n
Total PeCDD	52751464	1.67 y	25:47	0.93	1090.12	5.80	-	n
13C-1,2,3,7,8,9-HxCDD	175995584	1.29 y	32:51	-	64.16	-	-	n
13C-1,2,3,4,7,8-HxCDF	161656840	0.52 y	31:27	0.89	1028.80	2.44	51.4	n
1,2,3,4,7,8-HxCDF	101479964	1.26 y	31:28	1.20	1047.06 ✓	2.79	-	n
1,2,3,6,7,8-HxCDF	111076572	1.27 y	31:36	1.37	1002.20 ✓	2.44	-	n
2,3,4,6,7,8-HxCDF	107483912	1.29 y	32:18	1.24	1070.63 ✓	2.70	-	n
1,2,3,7,8,9-HxCDF	107218004	1.27 y	33:04	1.33	1000.29 ✓	2.53	-	n
Total HxCDF	427258452	1.26 y	31:28	1.28	4120.18	2.61	-	n
13C-1,2,3,6,7,8-HxCDD	125159188	1.33 y	32:32	0.73	971.40	1.62	48.6	n
1,2,3,4,7,8-HxCDD	61435048	1.26 y	32:27	0.97	1012.10 ✓	3.49	-	n
1,2,3,6,7,8-HxCDD	71754088	1.31 y	32:34	1.06	1083.38 ✓	3.20	-	n
1,2,3,7,8,9-HxCDD	73945862	1.31 y	32:52	1.28	926.58 ✓	2.66	-	n
Total HxCDD	207134998	1.26 y	32:27	1.10	3022.07	3.07	-	n
13C-1,2,3,4,6,7,8-HpCDF	166293052	0.43 y	34:36	0.86	1098.52	3.24	54.9	n
1,2,3,4,6,7,8-HpCDF	108070512	1.08 y	34:37	1.29	1010.22 ✓	3.67	-	n
1,2,3,4,7,8,9-HpCDF	88833436	1.08 y	35:54	1.14	941.01 ✓	4.16	-	n
Total HpCDF	196903948	1.08 y	34:37	1.21	1951.23	3.90	-	n
13C-1,2,3,4,6,7,8-HpCDD	124490464	1.11 y	35:32	0.75	940.41	2.44	47.0	n
1,2,3,4,6,7,8-HpCDD	64643102	1.12 y	35:33	1.00	1040.79 ✓	4.26	-	n
Total HpCDD	64720554	0.48 n	34:54	1.00	1042.03	4.26	-	n
13C-OCDD	183125096	0.91 y	38:19	0.56	1843.48	5.38	46.1	n
OCDF	142427108	0.86 y	38:28	1.44	2164.45 ✓	7.48	-	n
OCDD	108813684	0.89 y	38:20	1.11	2142.17 ✓	6.61	-	n

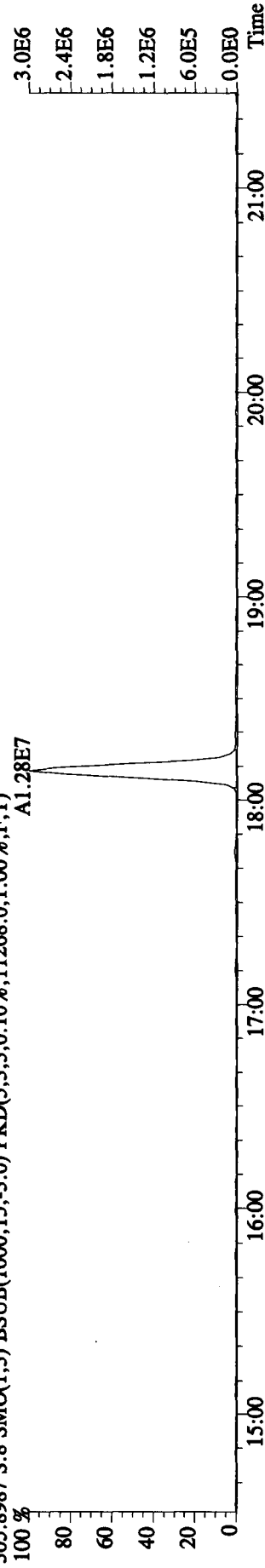
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE

Sample#8 Text:LRTM9-I-ACC :G0A040000-196 (490-1LCS) Exp:DIOXIN

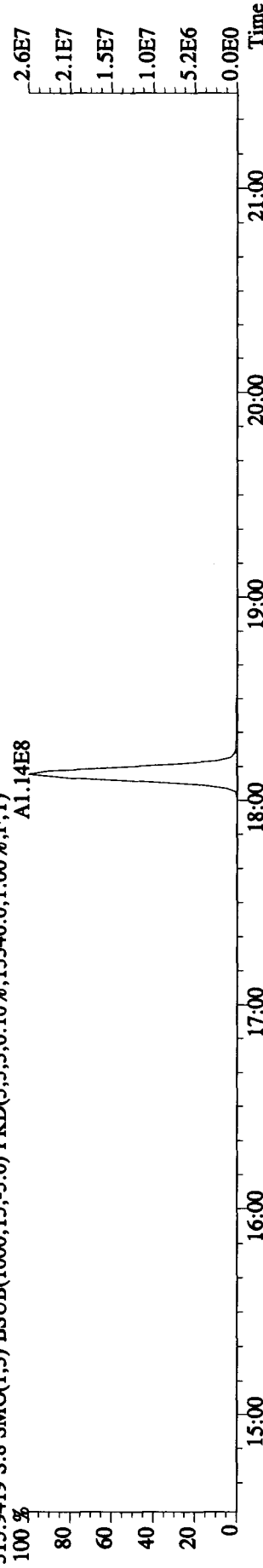
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9420.0,1.00%,F,T)



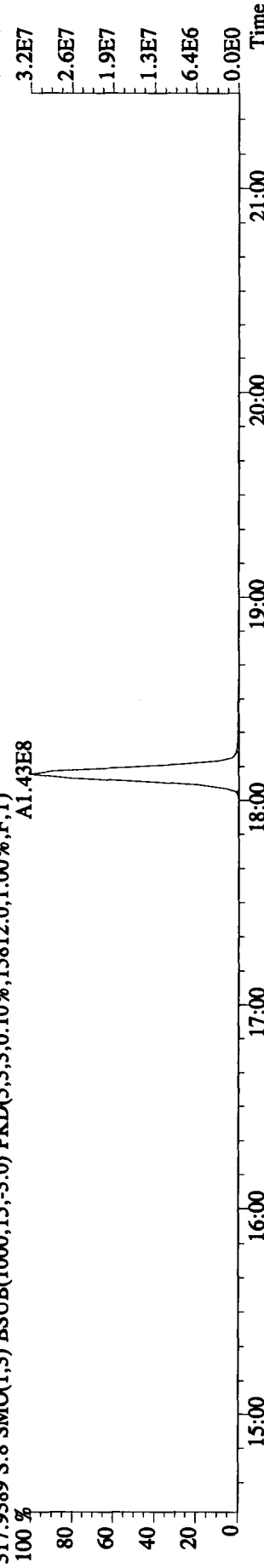
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11268.0,1.00%,F,T)



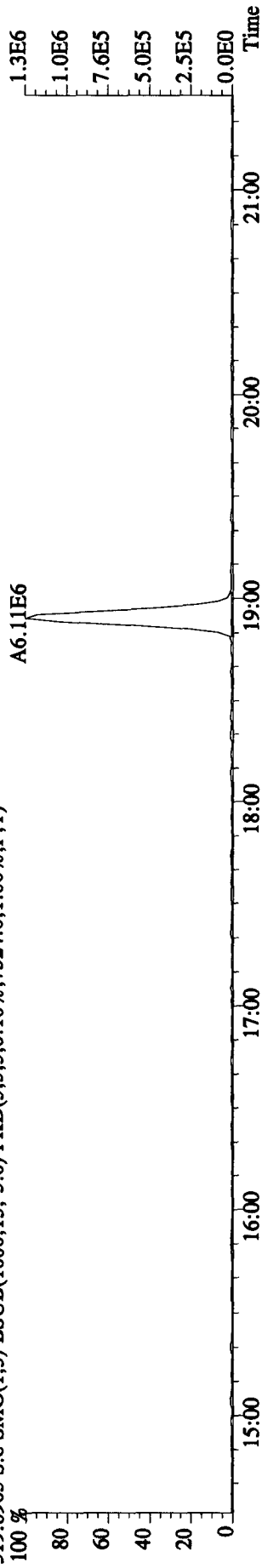
315.9419 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13340.0,1.00%,F,T)



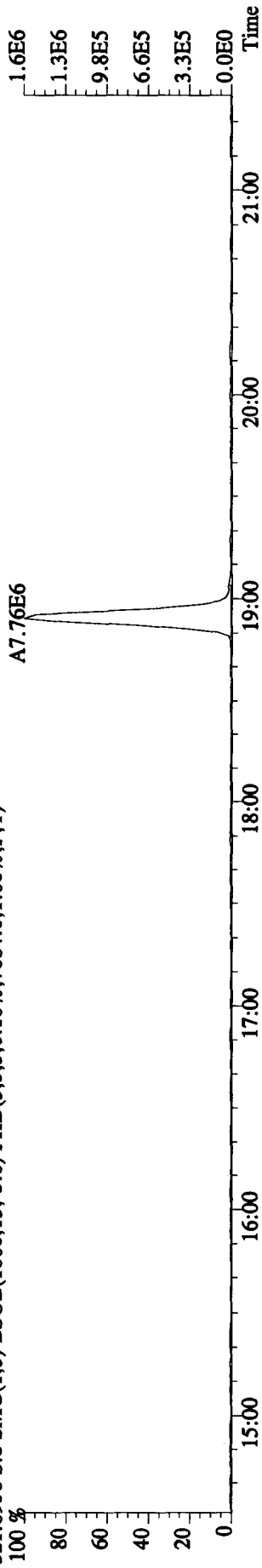
317.9389 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15812.0,1.00%,F,T)



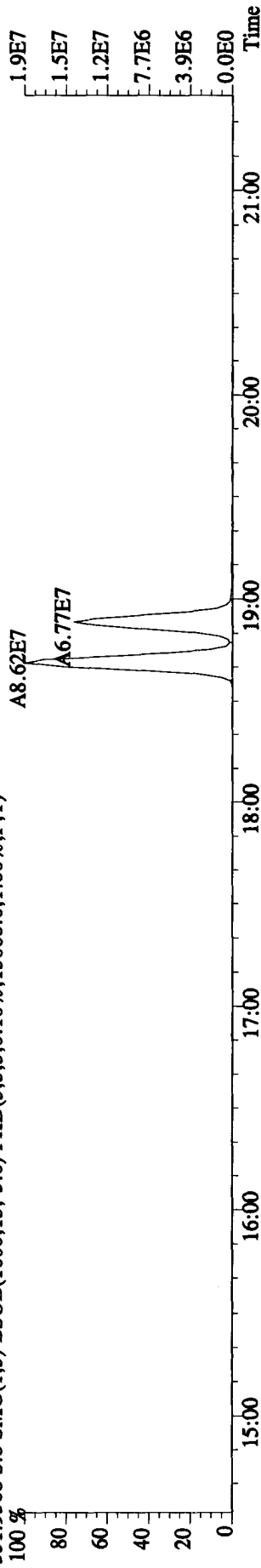
File: 06JA10A1D5 #1-411 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text: LRTM9-1-ACC :G0A04000-196 (490-ILCS) Exp:DIOXIN  
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7324.0,1.00%,F,T)



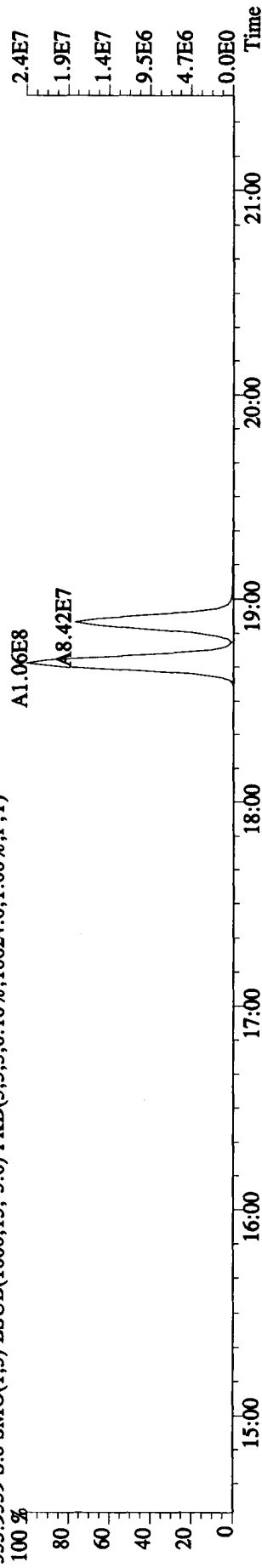
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7684.0,1.00%,F,T)



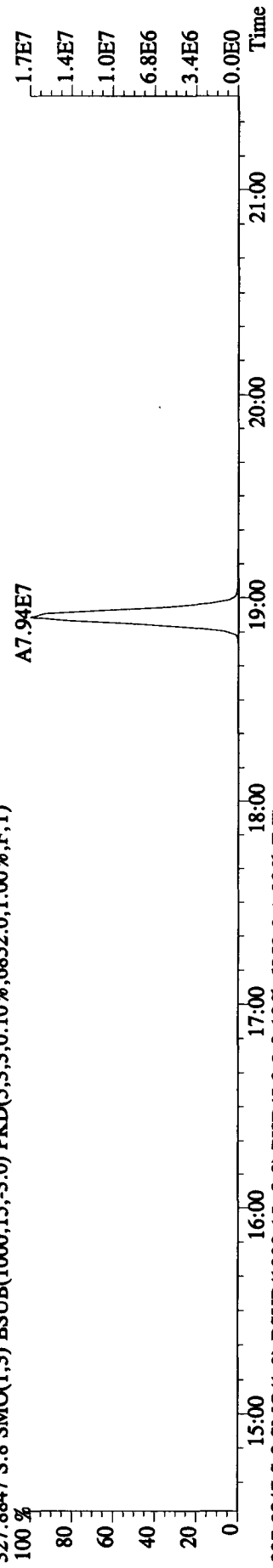
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15068.0,1.00%,F,T)



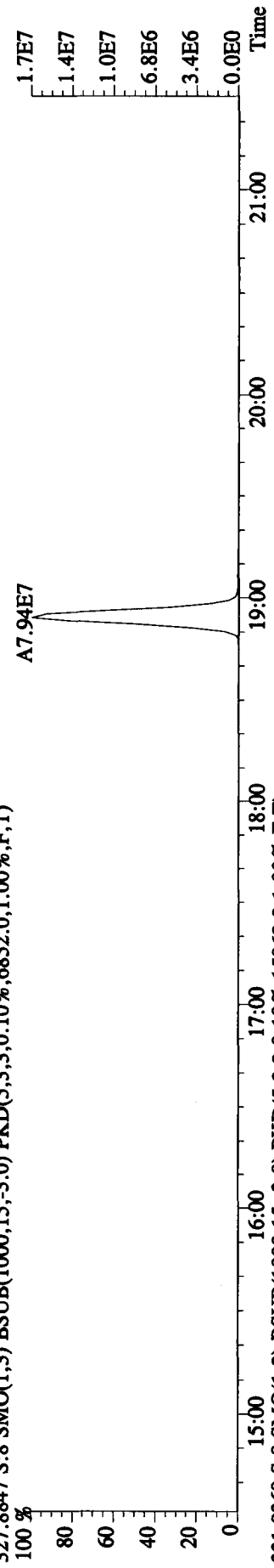
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10624.0,1.00%,F,T)



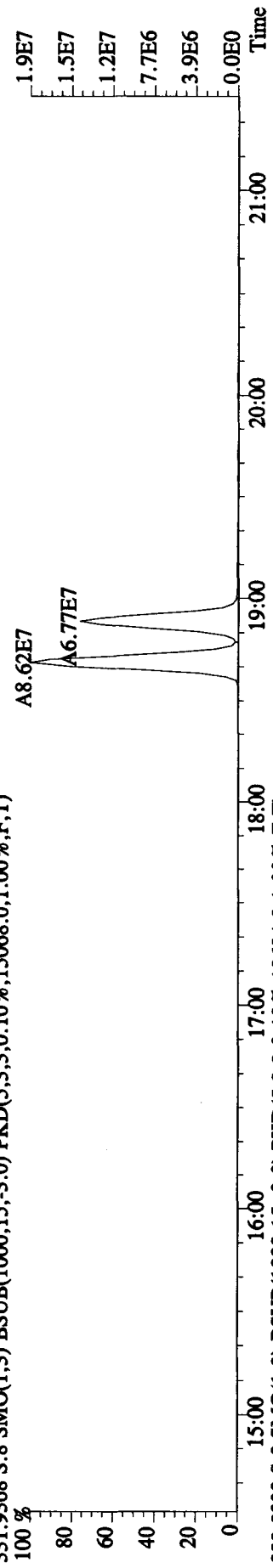
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR\_70SE  
 Sample#8 Text:LRIM9-1-ACC :G0A040000-196 (490-1LCS) Exp:DIOXIN  
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6852.0,1.00%,F,T)



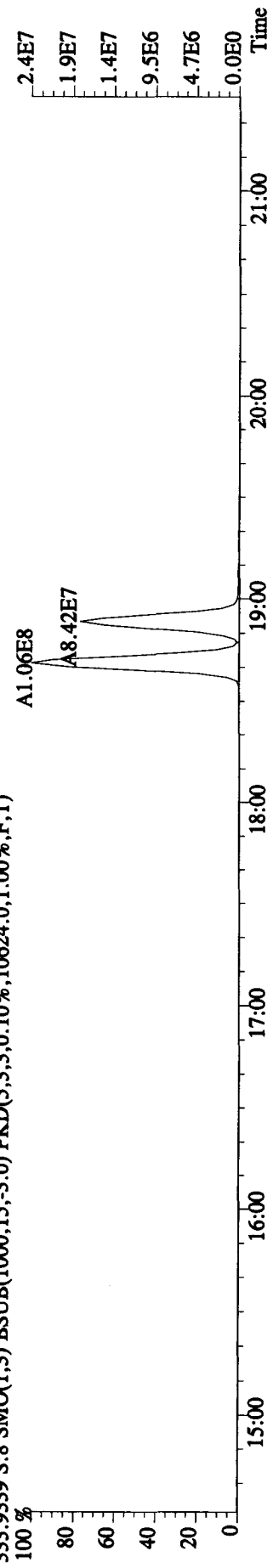
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6852.0,1.00%,F,T)



331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15068.0,1.00%,F,T)



333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10624.0,1.00%,F,T)



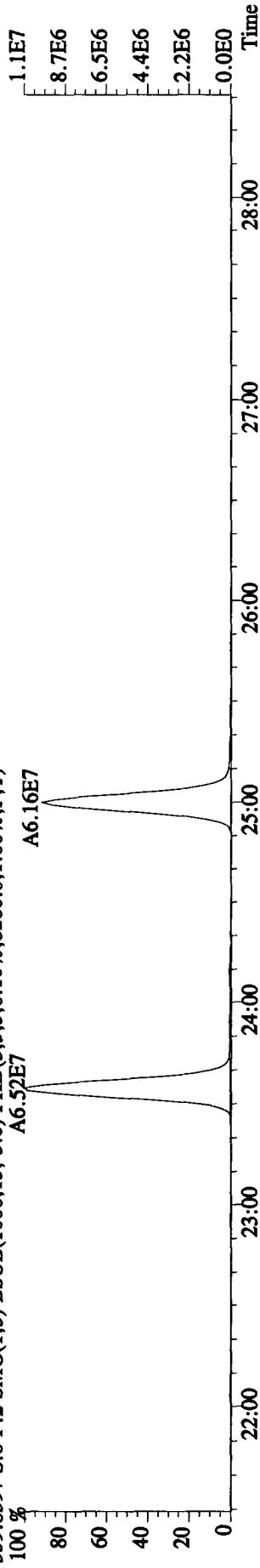


File:06JA10A1D5 #1-495 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE

Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-ILCS) Exp:DIOXIN

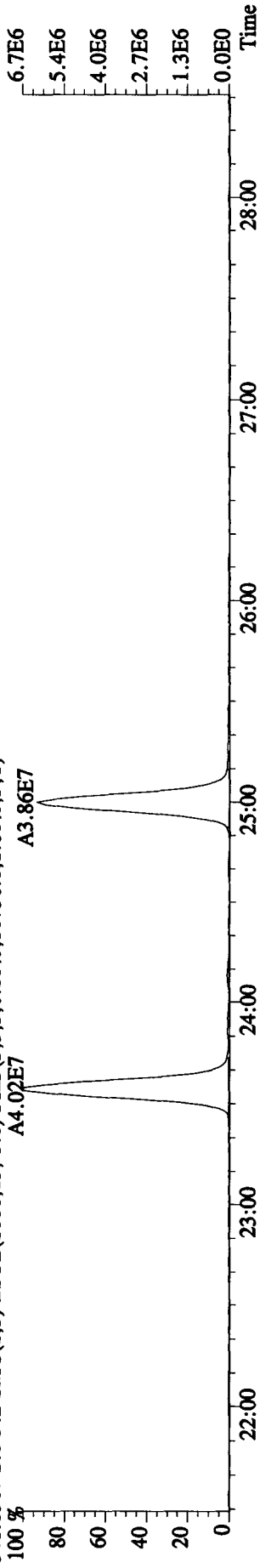
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8280.0,1.00%,F,T)

A6.52E7 A6.16E7



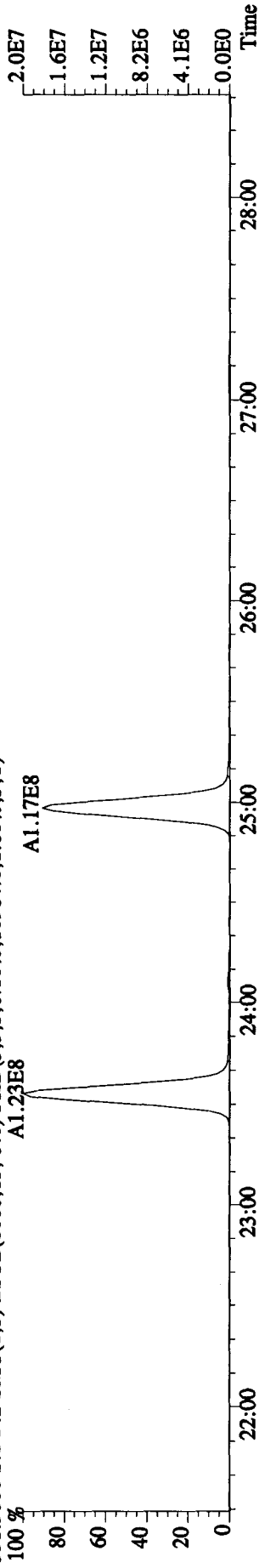
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10756.0,1.00%,F,T)

A4.02E7 A3.86E7



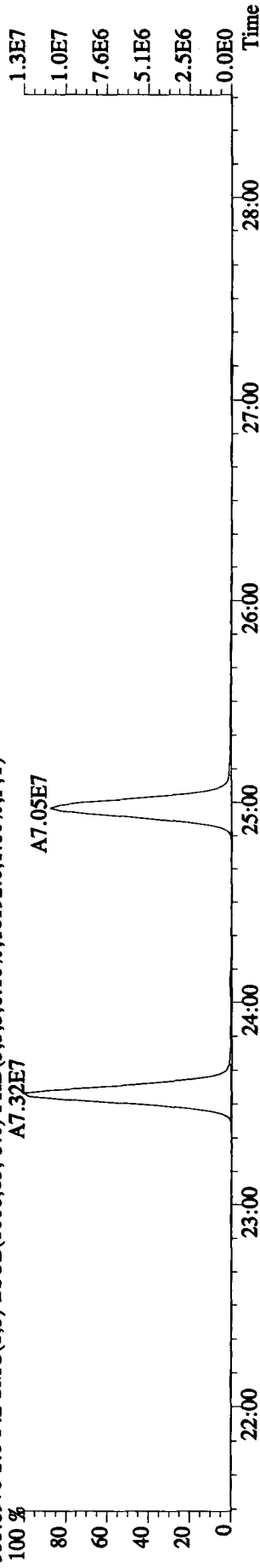
351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10984.0,1.00%,F,T)

A1.23E8 A1.17E8

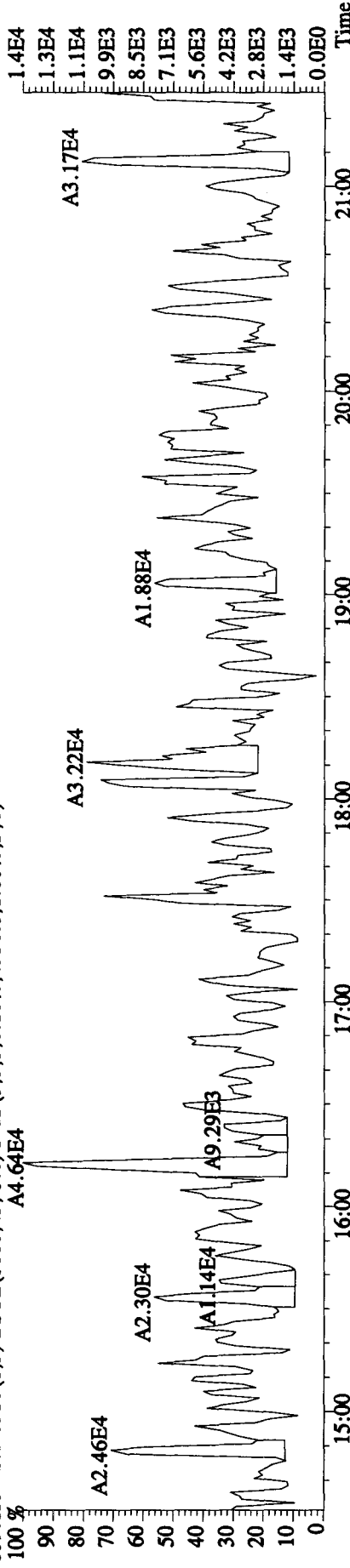


353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,16192.0,1.00%,F,T)

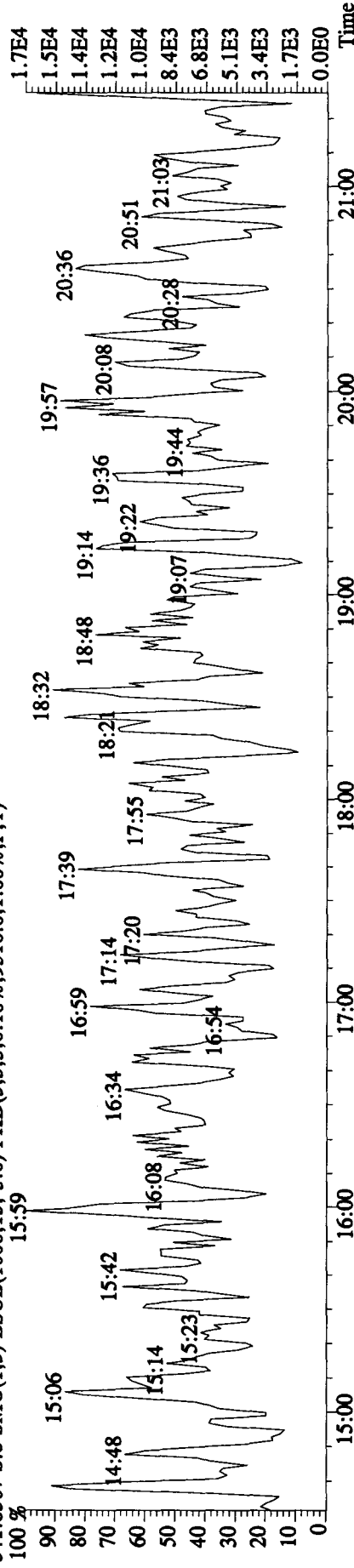
A7.32E7 A7.05E7



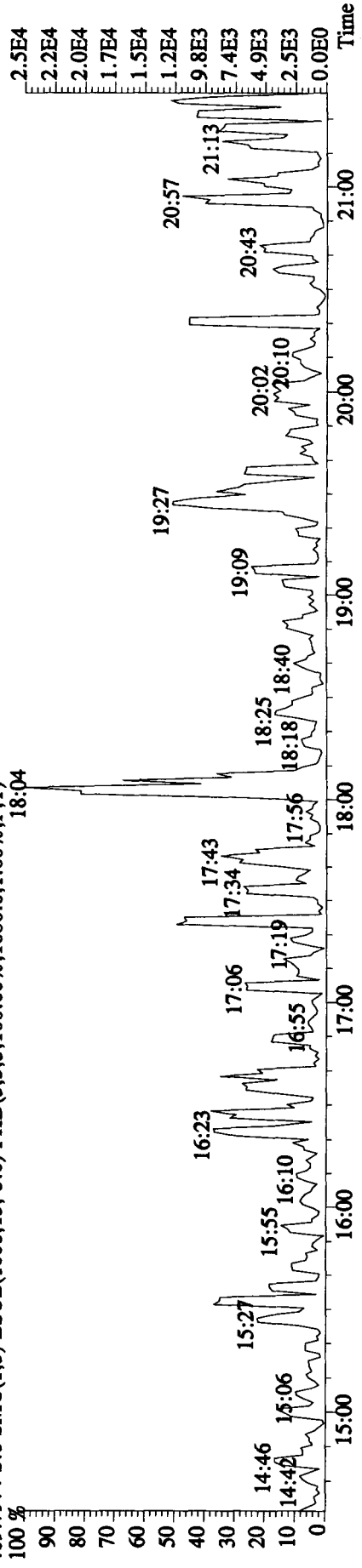
File:06JA10AIDS #1-411 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :G0A04000-196 (490-ILCS) Exp:DJOXIN  
 339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4936,0.1,0.00%,F,T)  
 100 %  
 A4.64E4  
 A2.46E4  
 A2.30E4  
 A1.14E4  
 A9.29E3  
 A3.22E4  
 A1.88E4  
 A3.17E4



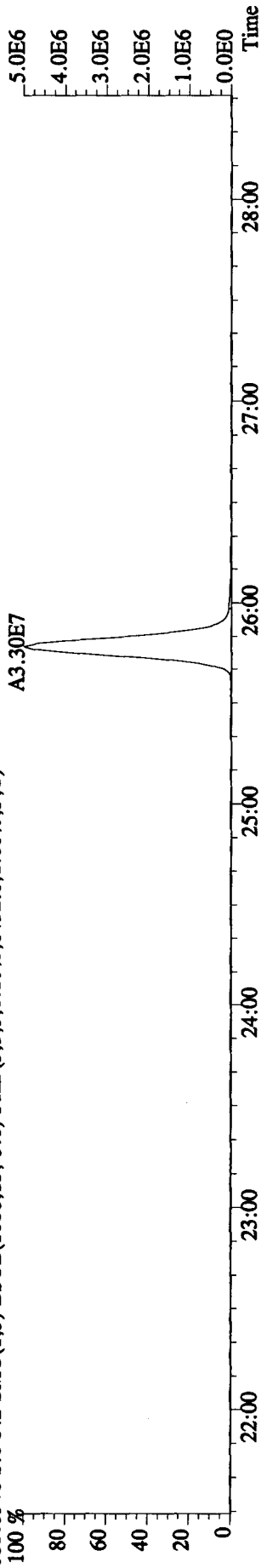
341.8567 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9516,0.1,0.00%,F,T)  
 100 %  
 15:59



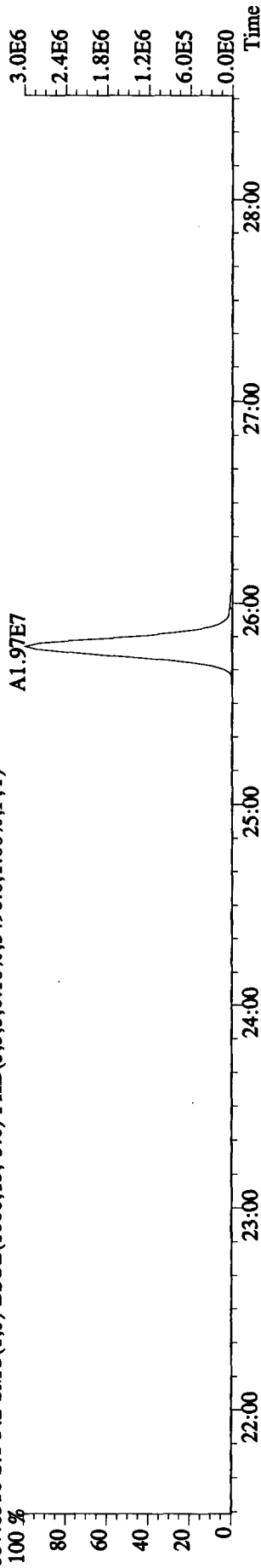
409.7974 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1680,0.1,0.00%,F,T)  
 100 %  
 18:04



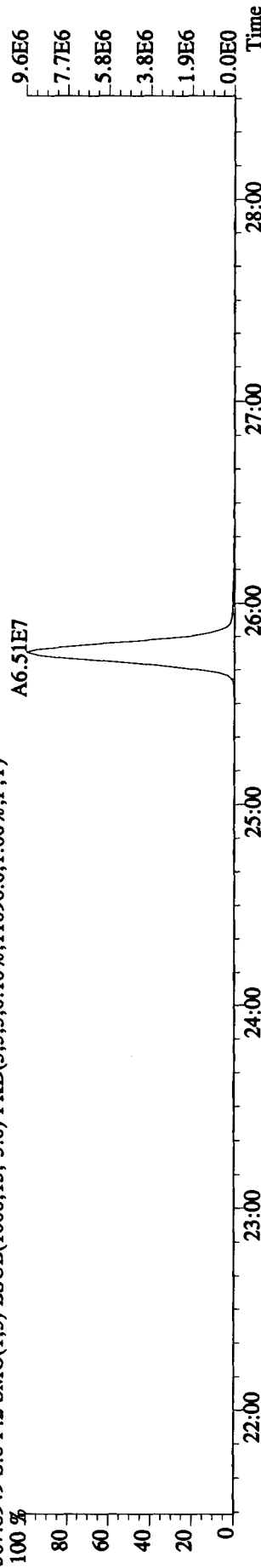
File:06JA10AID5 #1-495 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :GOA040000-196 (490-1LCS) Exp:DIOXIN  
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8452.0,1.00%,F,T)



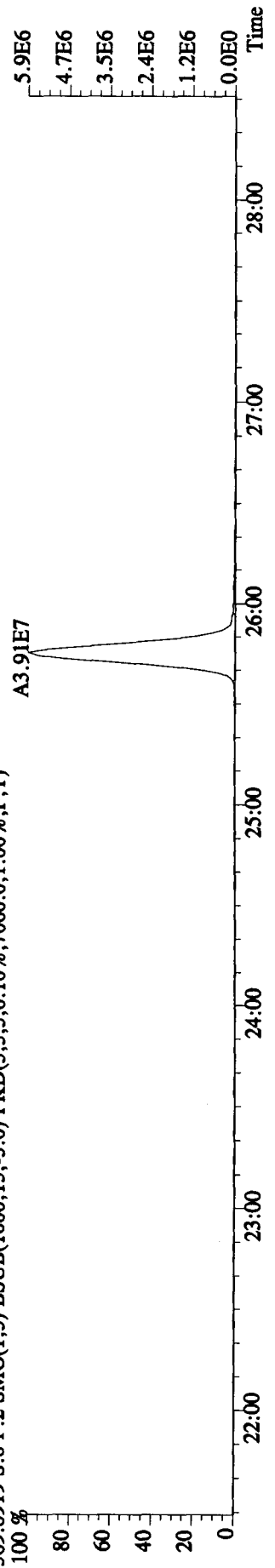
357.8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5496.0,1.00%,F,T)



367.8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11096.0,1.00%,F,T)



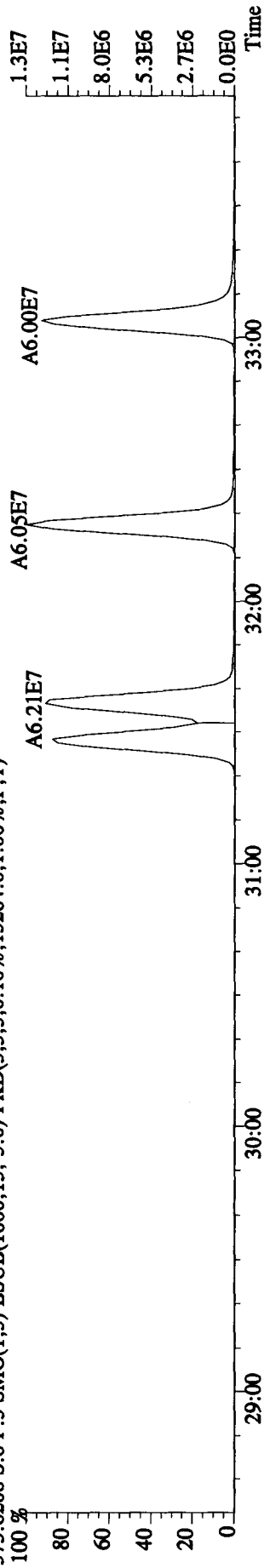
369.8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7060.0,1.00%,F,T)



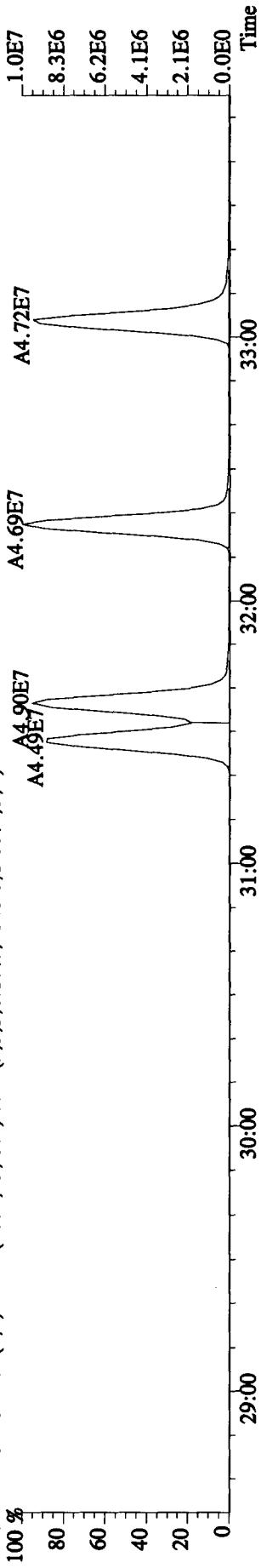
File:06JA10A1D5 #1-362 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE

Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-1LCS) Exp:DIOXIN

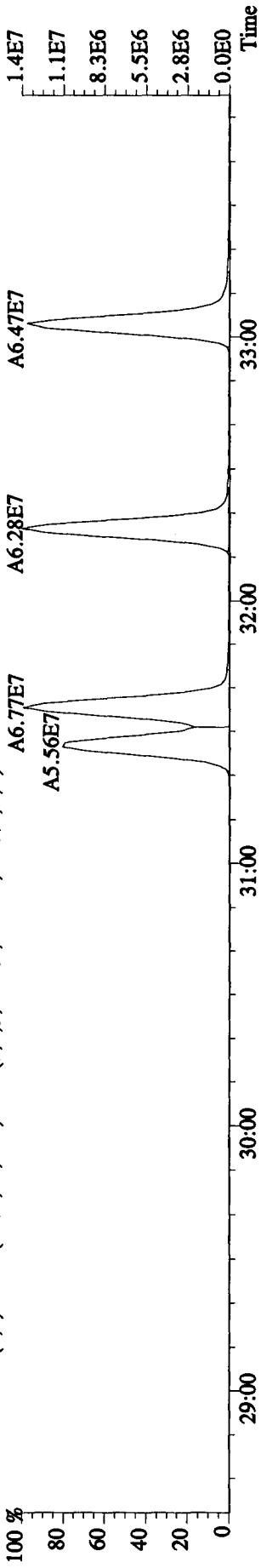
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13284.0,1.00%,F,T)



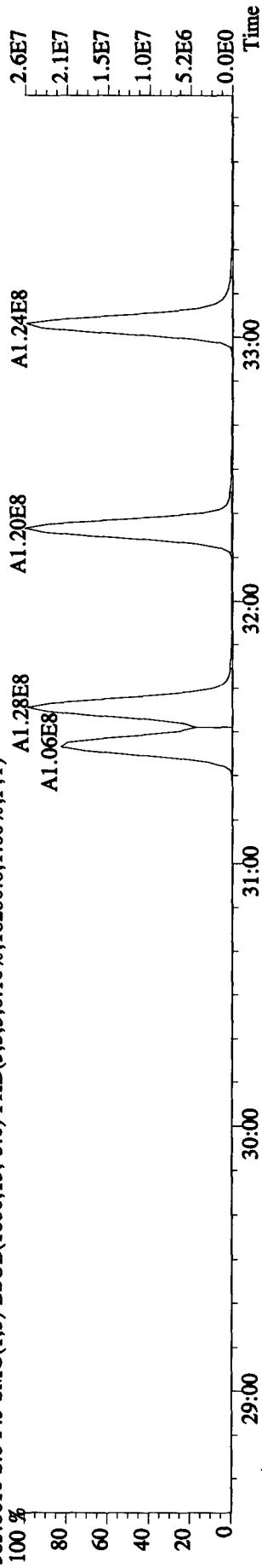
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4820.0,1.00%,F,T)



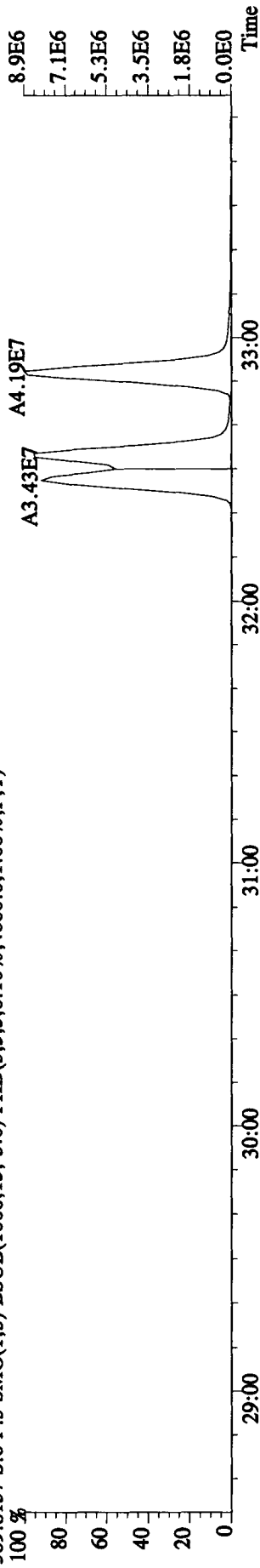
383.8639 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8632.0,1.00%,F,T)



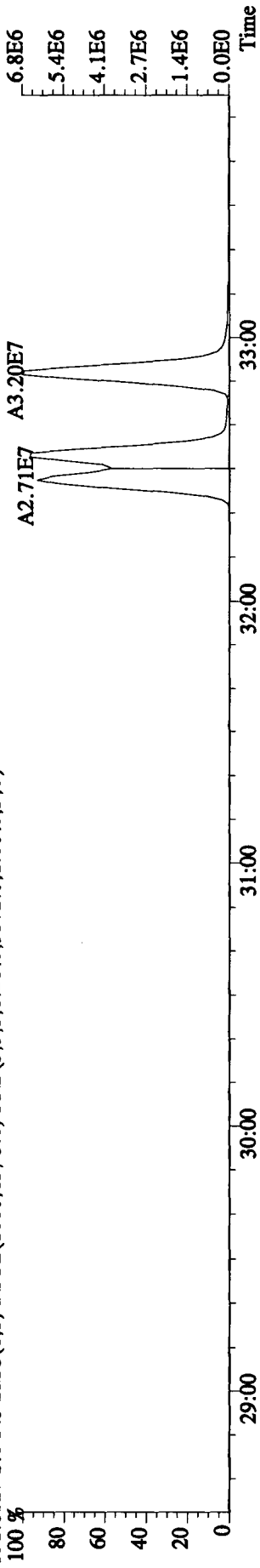
385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18280.0,1.00%,F,T)



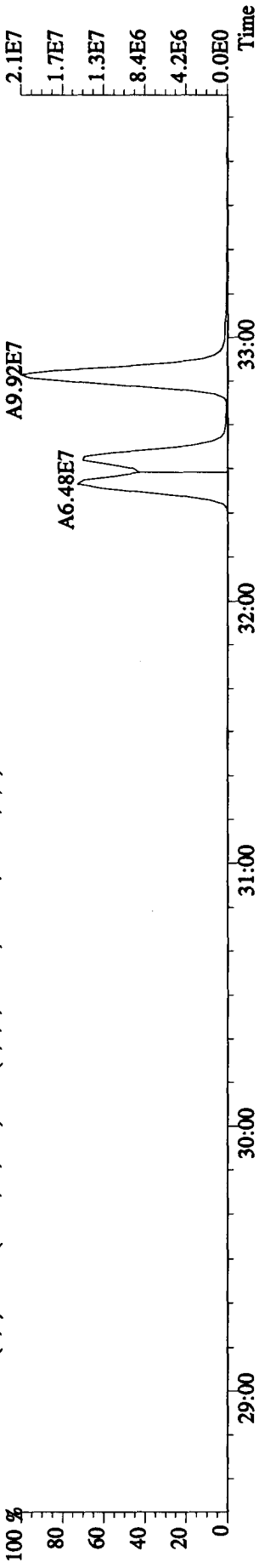
File:06JA10A1D5 #1-362 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-ILCS) Exp:DIOXIN  
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4880.0,1.00%,F,T)



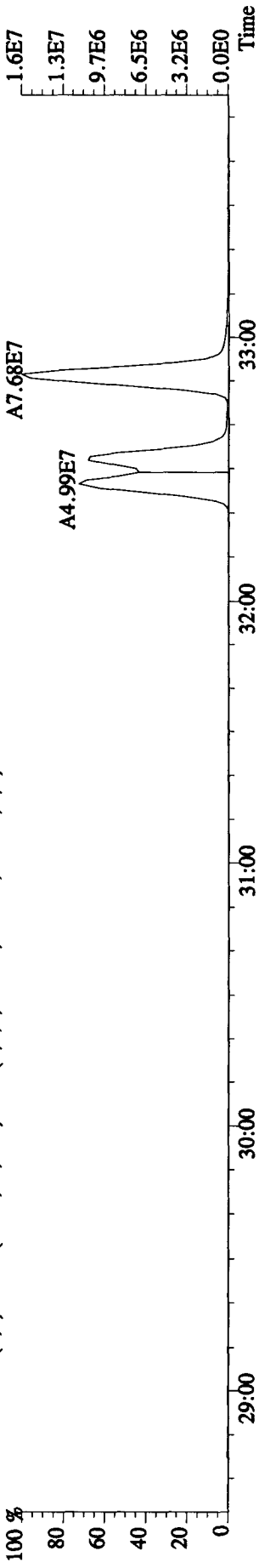
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9572.0,1.00%,F,T)



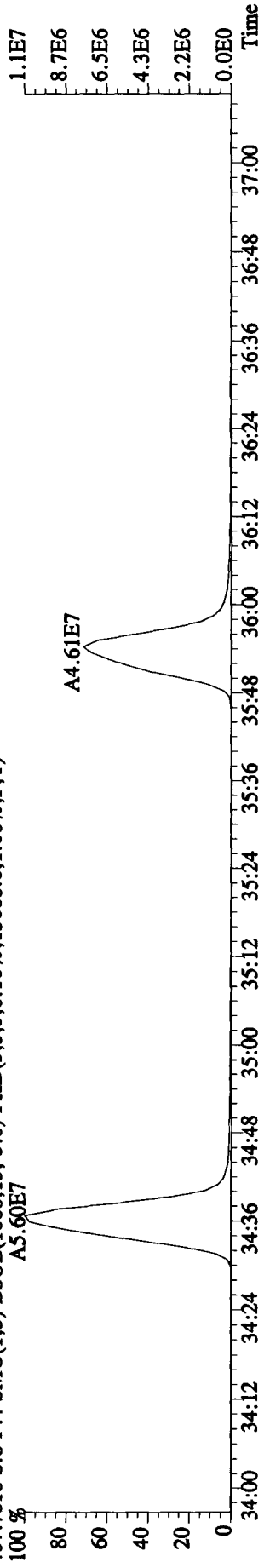
401.8559 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5552.0,1.00%,F,T)



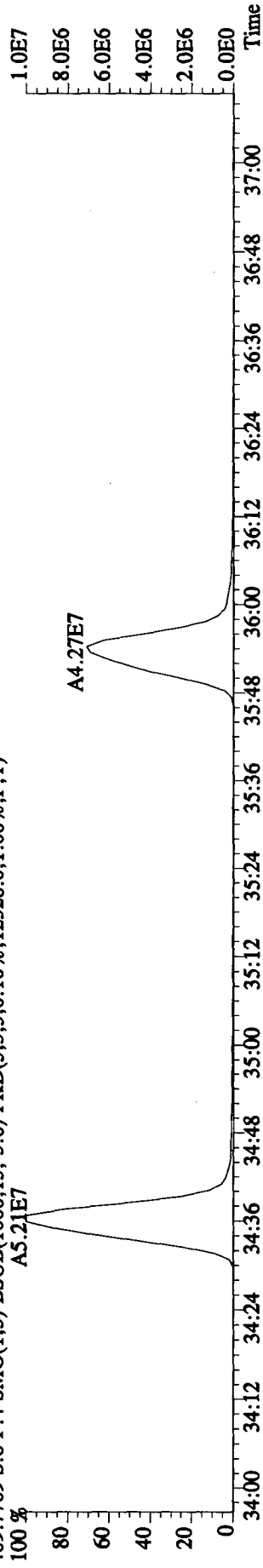
403.8529 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9128.0,1.00%,F,T)



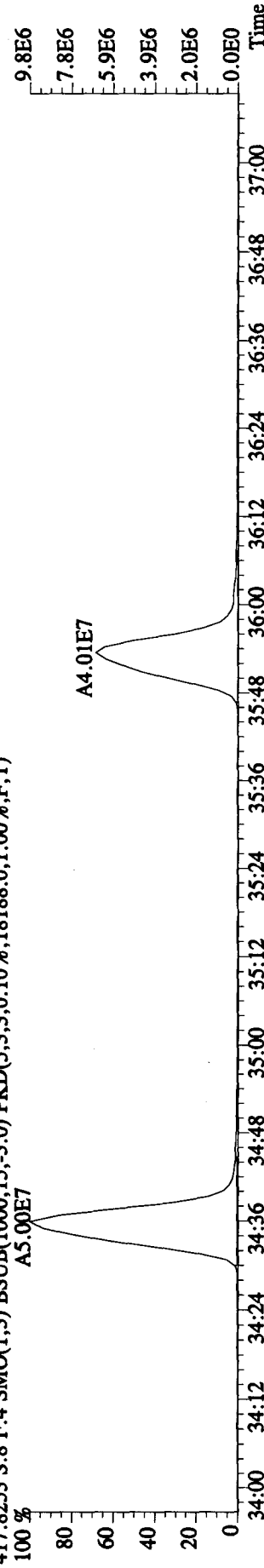
File: 06JIA10AID5 #1-227 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text: LRTM9-1-ACC :GOA040000-196 (490-1LCS) Exp:DIOXIN  
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13068.0,1.00%,F,T)



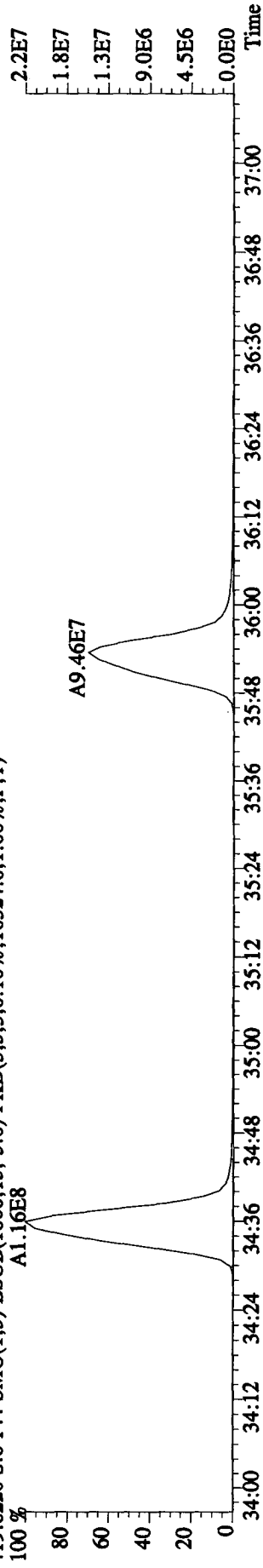
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12328.0,1.00%,F,T)



417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18188.0,1.00%,F,T)



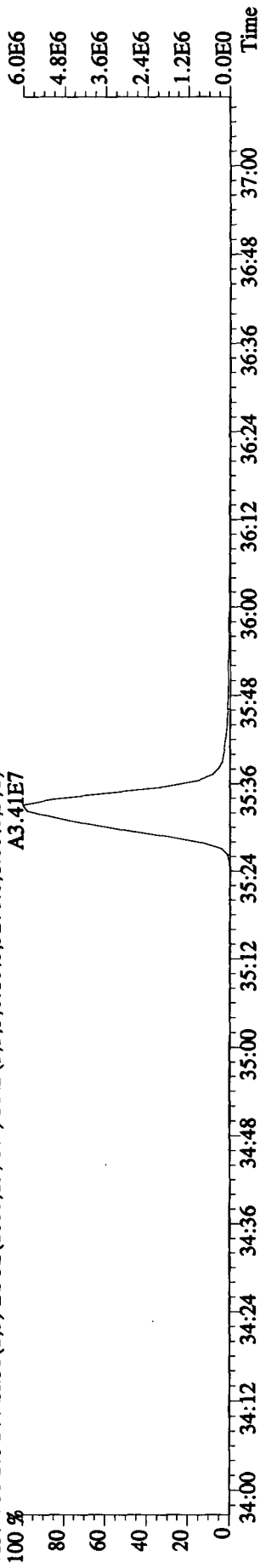
419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16324.0,1.00%,F,T)



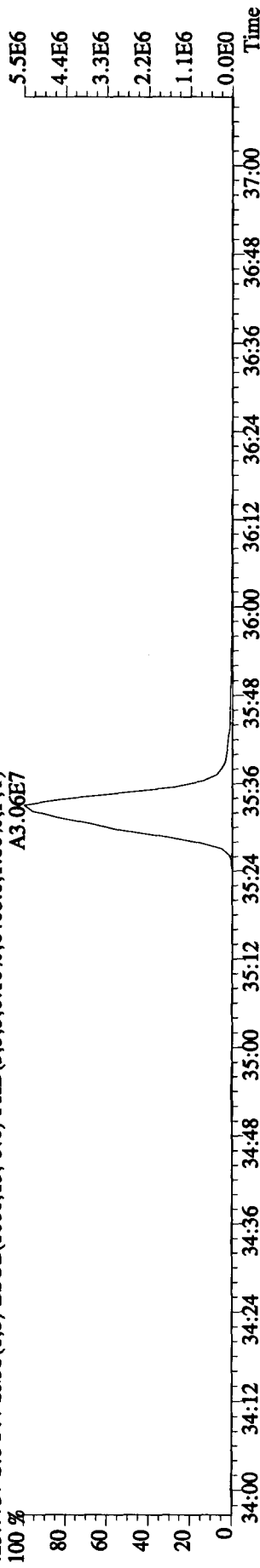
File:06JA10AID5 #1-227 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE

Sample#8 Text:LRTM9-1-ACC :GOA040000-196 (490-1LCS) Exp:DIOXIN

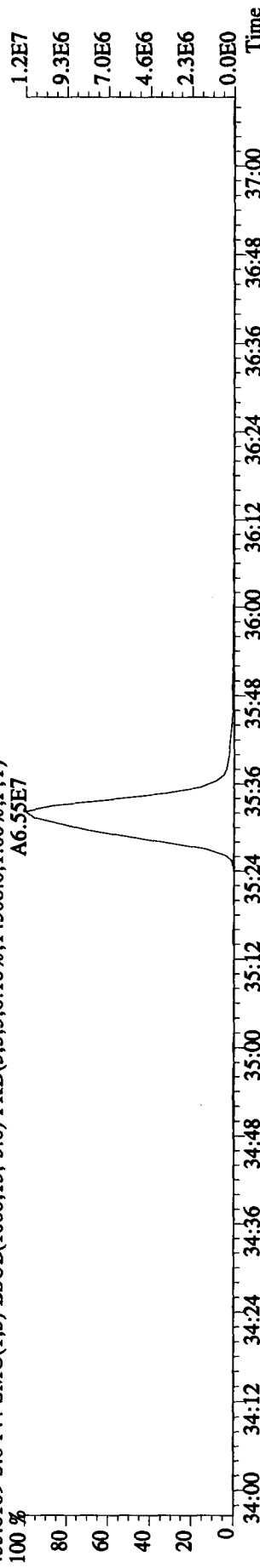
423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9276.0,1.00%,F,T)  
A3.41E7



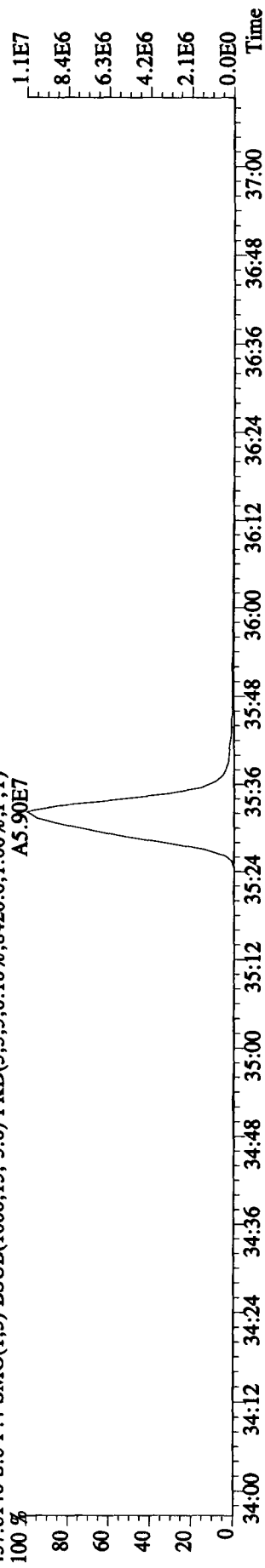
425.7737 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6408.0,1.00%,F,T)  
A3.06E7



435.8169 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14308.0,1.00%,F,T)  
A6.55E7



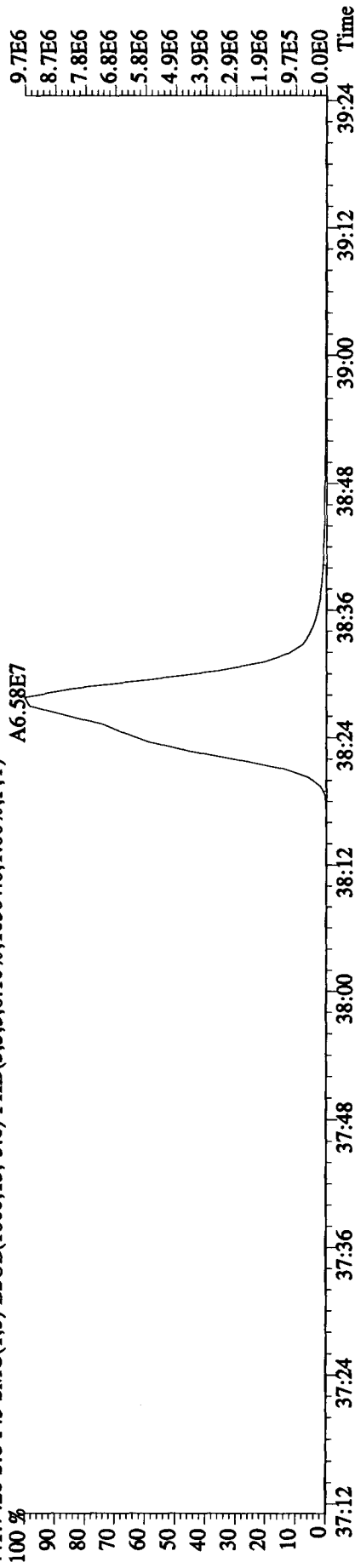
437.8140 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8420.0,1.00%,F,T)  
A5.90E7



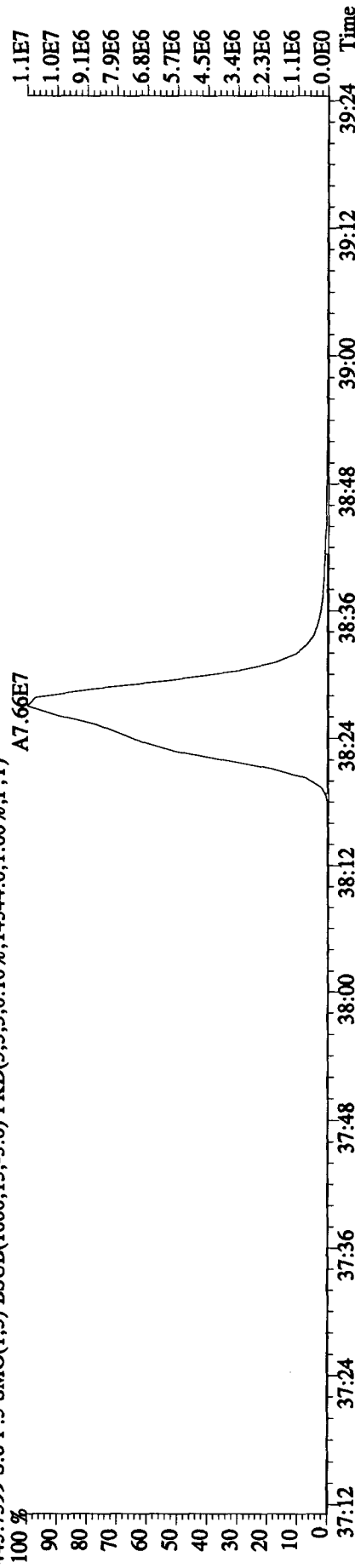
File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE

Sample#8 Text:LRTM9-1-ACC :GOA040000-196 (490-1LCS) Exp:DIOXIN

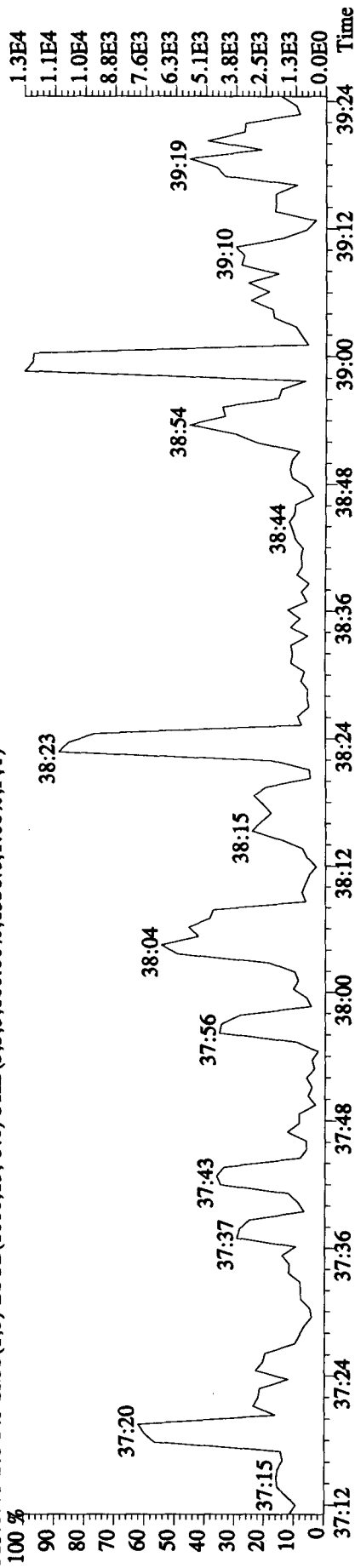
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10304.0,1.00%,F,T)



443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14544.0,1.00%,F,T)



513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1336.0,1.00%,F,T)

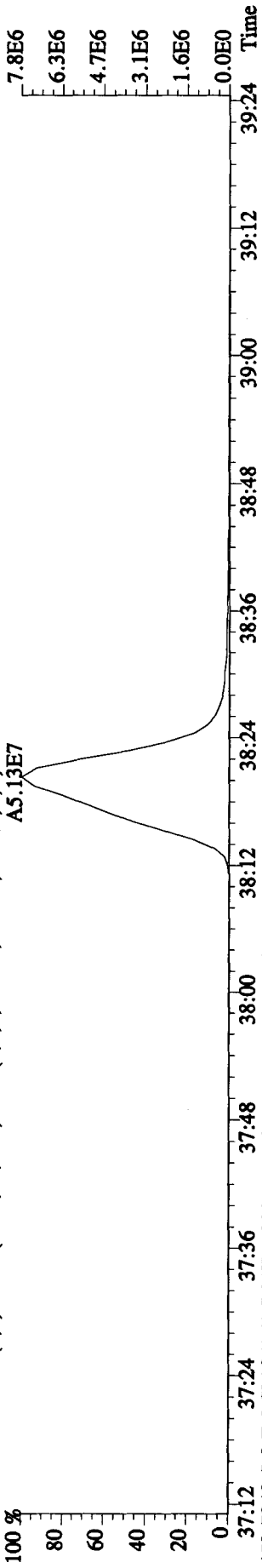




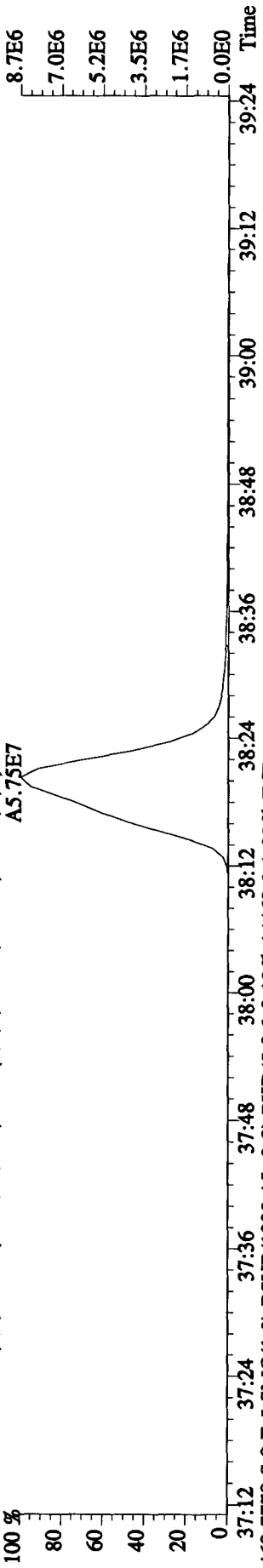
File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE

Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-1LCS) Exp:DIOXIN

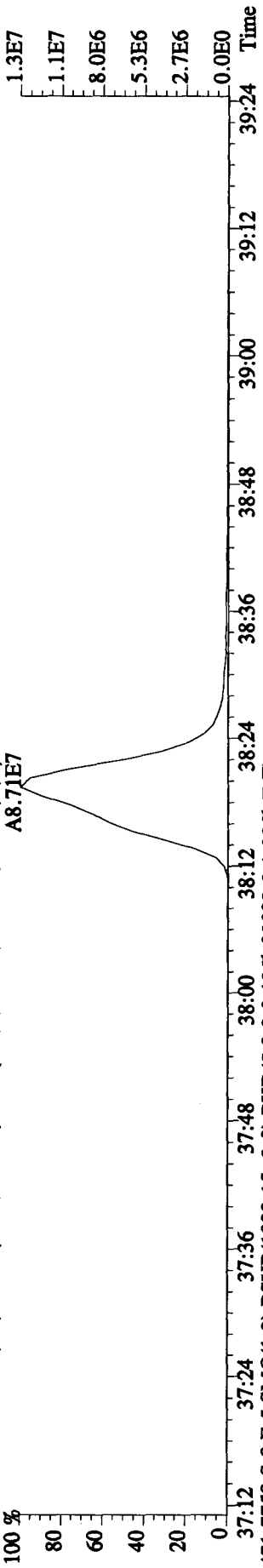
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8636.0,1.00%,F,T)



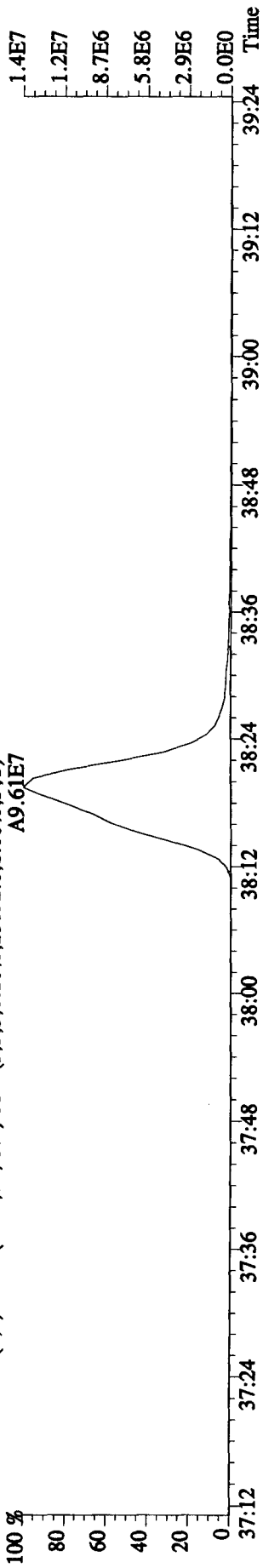
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8316.0,1.00%,F,T)



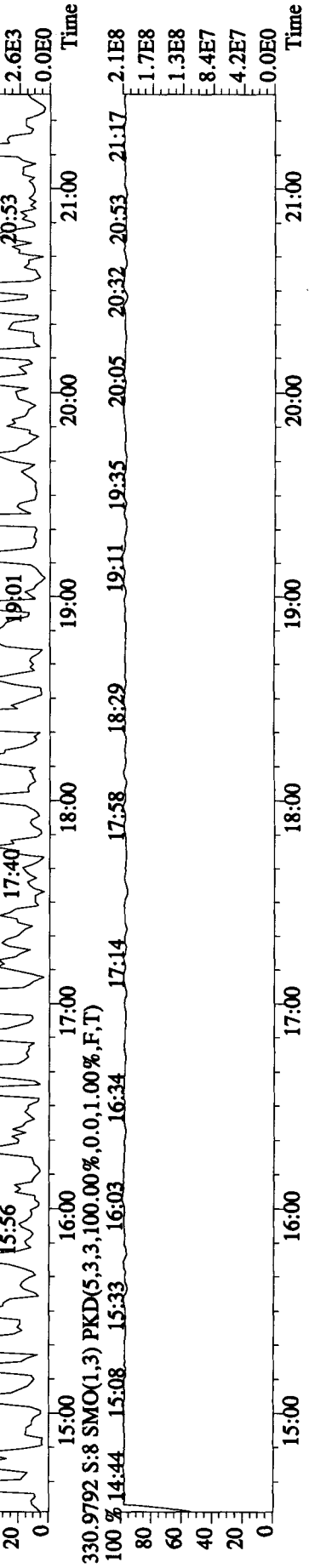
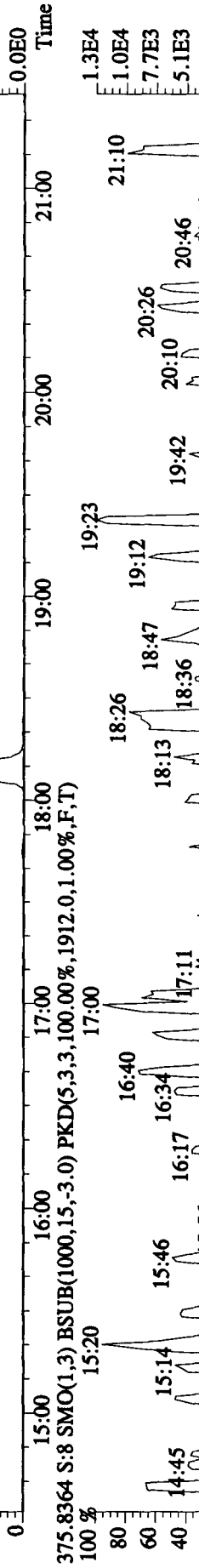
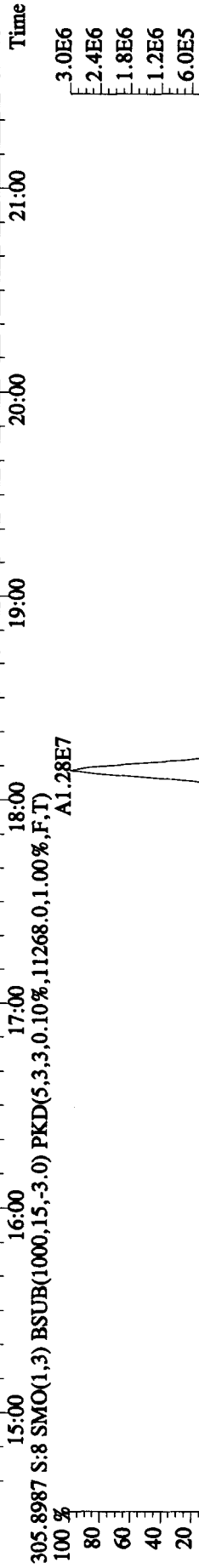
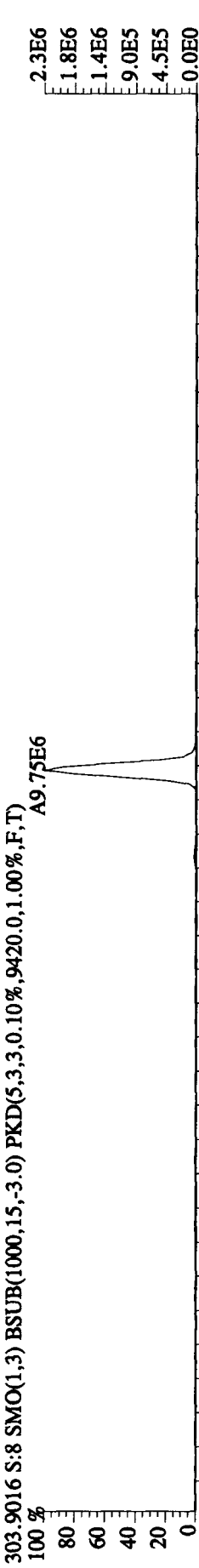
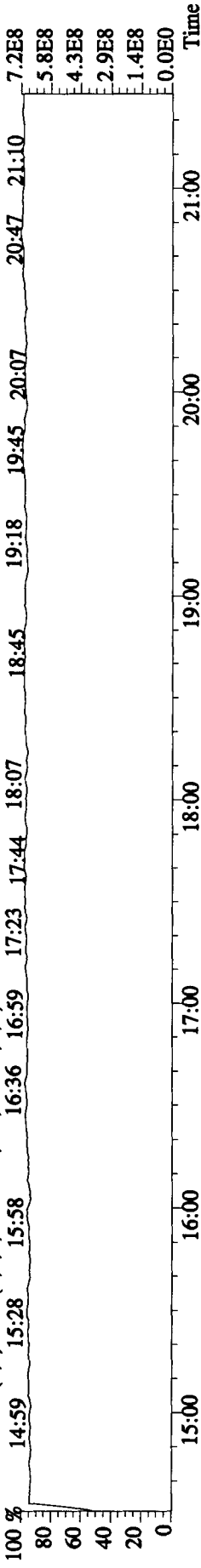
469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14468.0,1.00%,F,T)



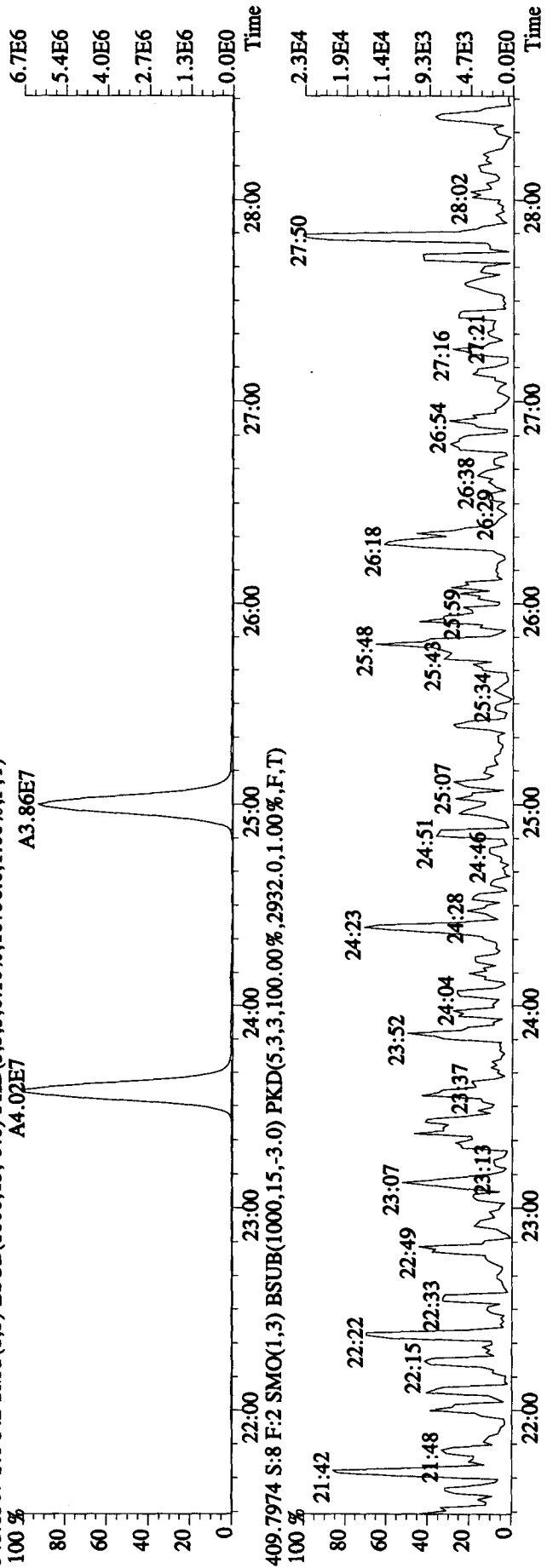
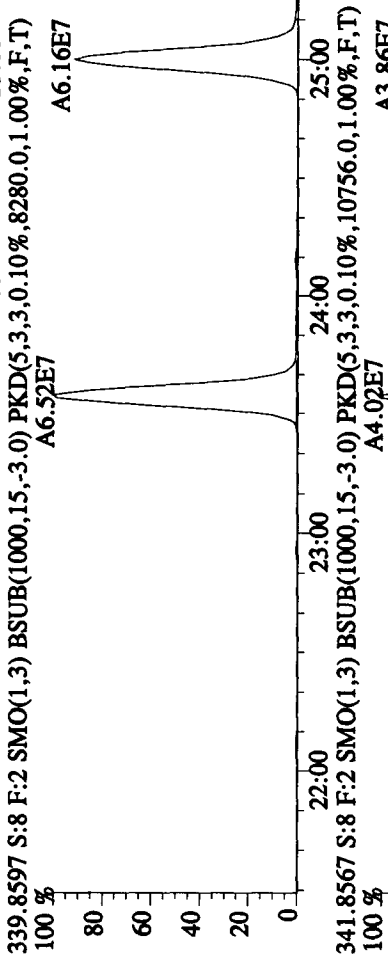
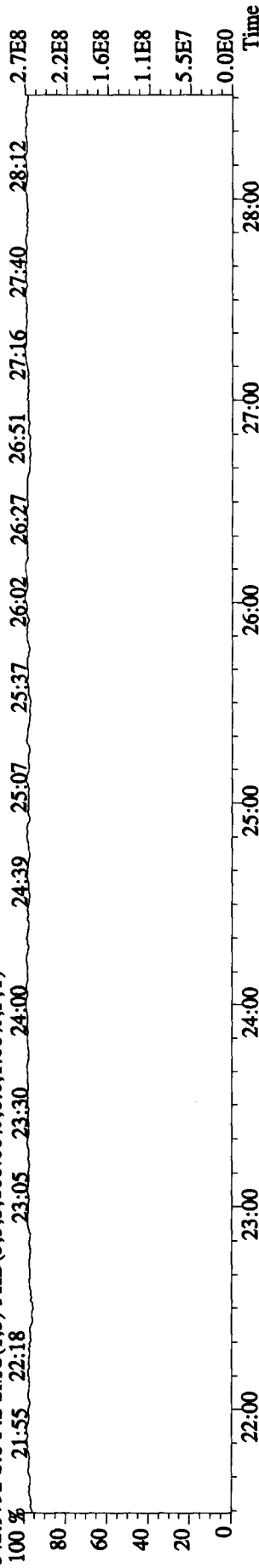
471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23092.0,1.00%,F,T)



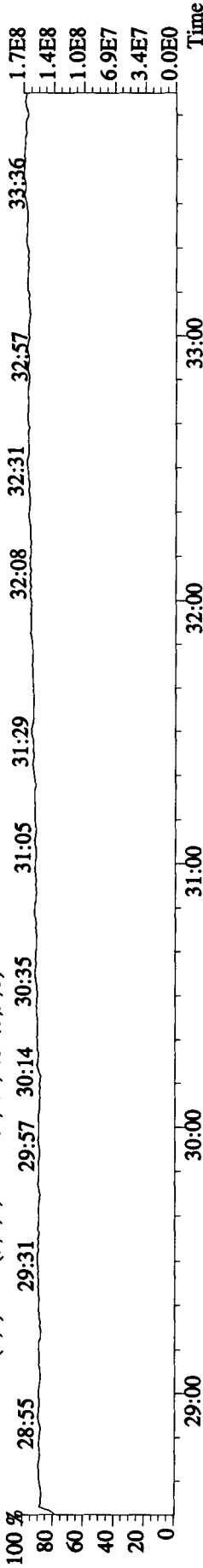
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-ILCS) Exp:DIOXIN  
 292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:06JA10AID5 #1-495 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-ILCS) Exp:DIOXIN  
 342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,0.0,0.1.00%,F,T)



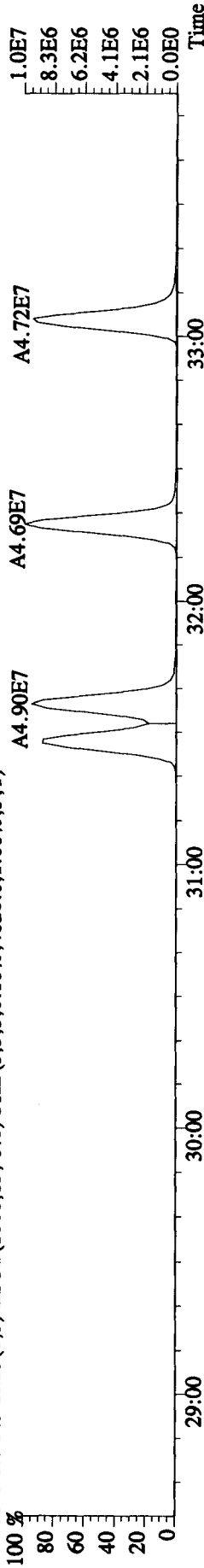
File:06JA10A1D5 #1-362 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-ILCS) Exp:DIOXIN  
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



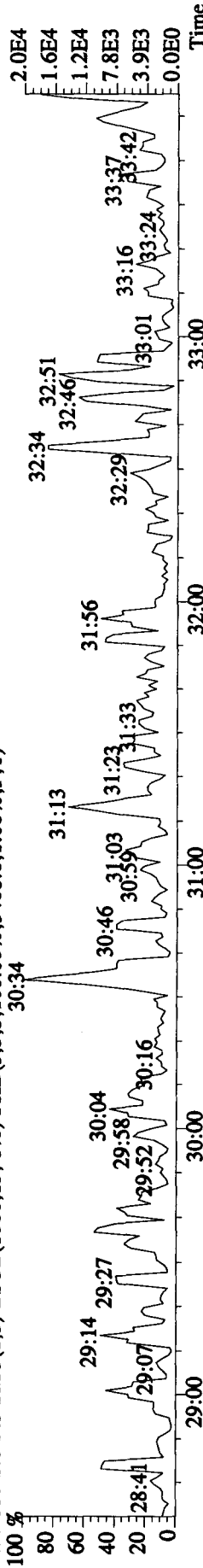
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13284.0,1.00%,F,T)



375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4820.0,1.00%,F,T)

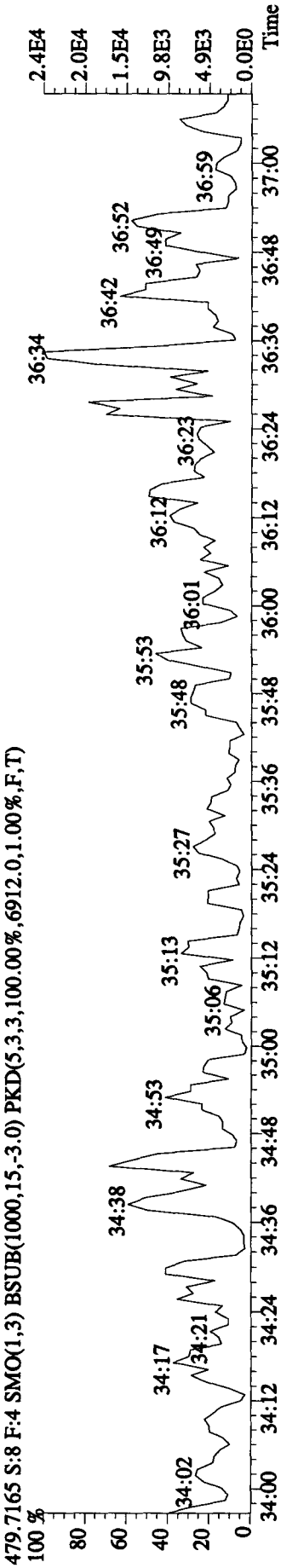
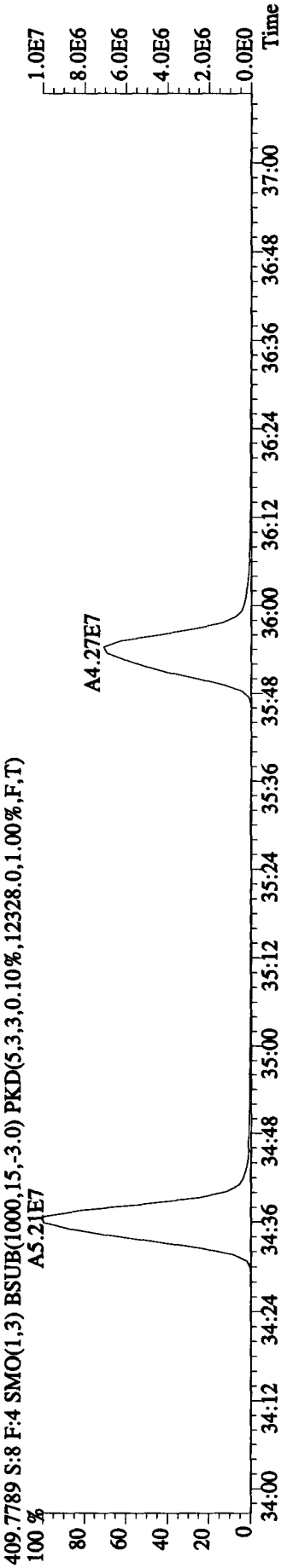
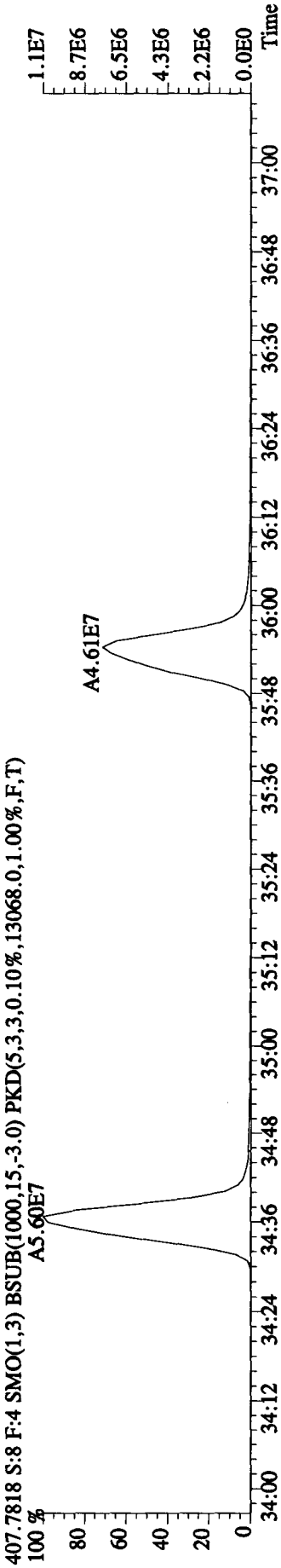
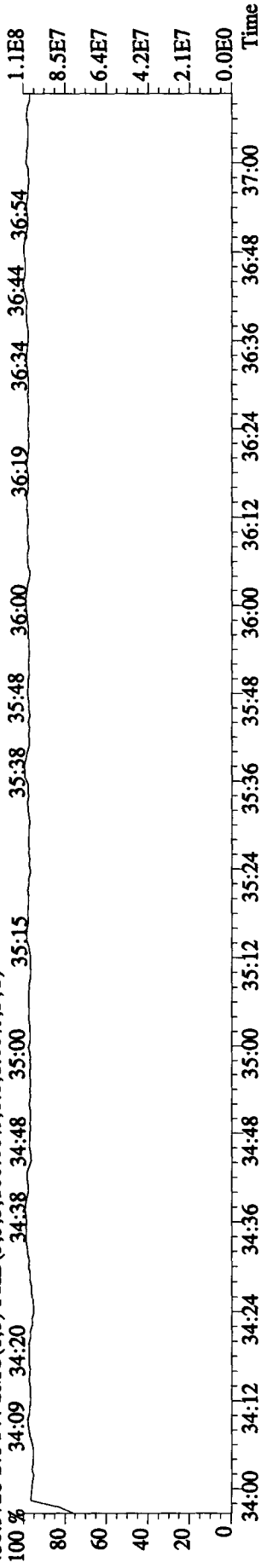


445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3408.0,1.00%,F,T)

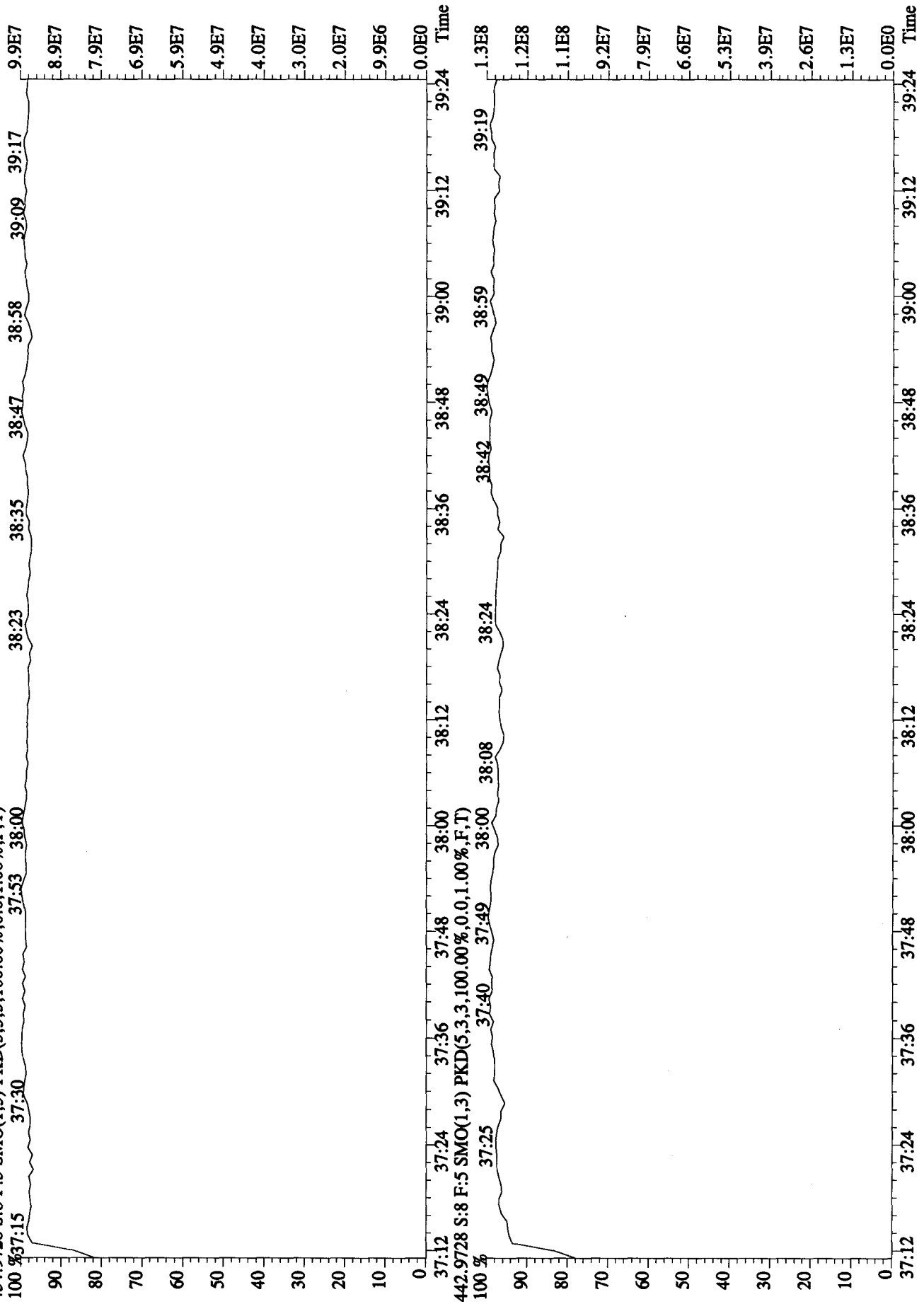


380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

File:06JA10A1D5 #1-227 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-1LCS) Exp:DIOXIN  
 430.9728 S:8 F:4 SMO(1,3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 03:02:33 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:LRTM9-1-ACC :G0A040000-196 (490-1LCS) Exp:DIOXIN  
 454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



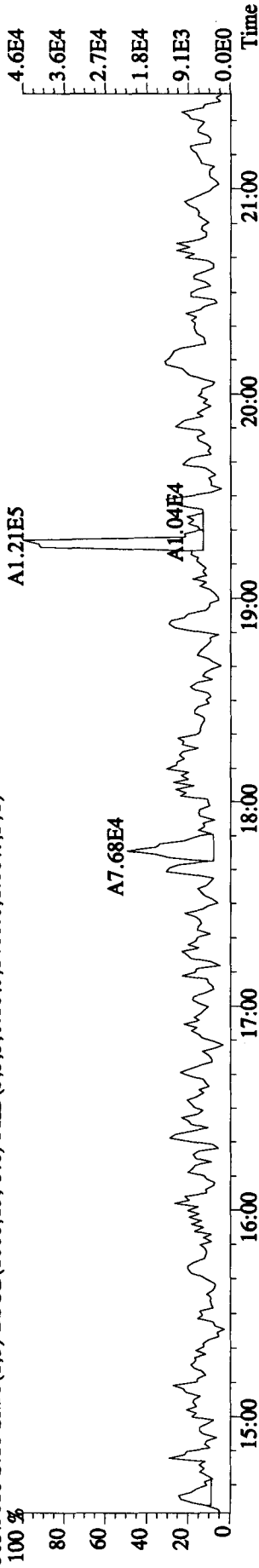
LRL 83-1-AA

05  
10-07-10

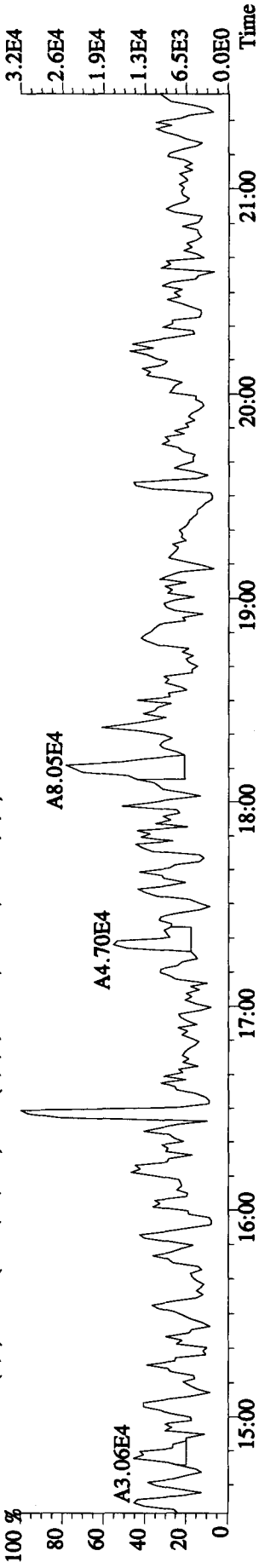
Run text: LQ9FQ-1-AA Sample text: LQ9FQ-1-AA :G9L240493-3  
 Run #14 Filename: 06JA10A1D5 S: 10 I: 1 Results: 06JA10A1D58290  
 Acquired: 7-JAN-10 04:26:09 Processed: 7-JAN-10 09:20:44  
 Run: 06JA10A1D5 Analyte: 8290HRS Cal: 82901231091D5  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.003000L

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	183401552	0.80 y	18:41	-	58.70	-	-	n
13C-2,3,7,8-TCDF	470079200	0.80 y	18:08	1.57	1631.80	1.37	81.8/	n
2,3,7,8-TCDF	*	* n	NotFnd	0.86	*	1.19	-	n
Total TCDF	*	* n	NotFnd	0.86	*	<del>1.19</del>	-	n
13C-2,3,7,8-TCDD	284055992	0.80 y	18:53	0.99	1554.57	2.61	78.0/	n
2,3,7,8-TCDD	*	* n	NotFnd	0.93	*	1.30	-	n
Total TCDD	23889	0.44 n	20:46	0.93	<del>0.18</del>	<del>1.30</del>	-	n
37Cl-2,3,7,8-TCDD	301957376	1.00 y	18:54	2.22	740.06	0.69	92.8	n
13C-1,2,3,7,8-PeCDF	372148576	1.61 y	23:32	1.07	1885.70	1.96	94.6/	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.00	*	1.56	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*	1.67	-	n
Total F2 PeCDF	*	* n	NotFnd	0.97	*	<del>1.61</del>	-	n
Total F1 PeCDF	187790	0.67 n	16:03	0.97	<del>1.04</del>	<del>1.48</del>	-	n
13C-1,2,3,7,8-PeCDD	205443800	1.65 y	25:45	0.67	1676.04	2.61	84.1/	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.93	*	2.70	-	n
Total PeCDD	*	* n	NotFnd	0.93	*	<del>2.70</del>	-	n
13C-1,2,3,7,8,9-HxCDD	167530184	1.31 y	32:52	-	60.90	-	-	n
13C-1,2,3,4,7,8-HxCDF	317455896	0.53 y	31:27	0.89	2116.05	2.11	106.1/	n
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.20	*	1.06	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.37	*	0.93	-	n
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.24	*	1.02	-	n
1,2,3,7,8,9-HxCDF	124562	1.35 y	33:07	1.33	<del>0.59</del>	0.96	-	n
Total HxCDF	124562	1.35 y	33:07	1.28	<del>0.59</del>	<del>0.99</del>	-	n
13C-1,2,3,6,7,8-HxCDD	226337792	1.32 y	32:32	0.73	1839.93	2.13	92.3/	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.97	*	1.72	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.06	*	1.58	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.28	*	1.31	-	n
Total HxCDD	66558	2.59 n	32:17	1.10	<del>0.53</del>	<del>1.52</del>	-	n
13C-1,2,3,4,6,7,8-HpCDF	307688664	0.44 y	34:36	0.86	2128.89	6.53	106.8/	n
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.29	*	1.39	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.14	*	1.57	-	n
Total HpCDF	*	* n	NotFnd	1.21	*	<del>1.48</del>	-	n
13C-1,2,3,4,6,7,8-HpCDD	241551352	1.08 y	35:32	0.75	1911.17	3.74	95.8/	n
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.00	*	1.97	-	n
Total HpCDD	147309	1.61 n	34:37	1.00	<del>1.22</del>	<del>1.97</del>	-	n
13C-OCDD	342082624	0.91 y	38:20	0.56	3606.87	5.91	90.4/	n
OCDF	55079	1.78 n	38:26	1.44	<del>0.45</del>	2.57	-	n
OCDD	329058	1.00 y	38:20	1.11	3.46 J	2.34	-	n

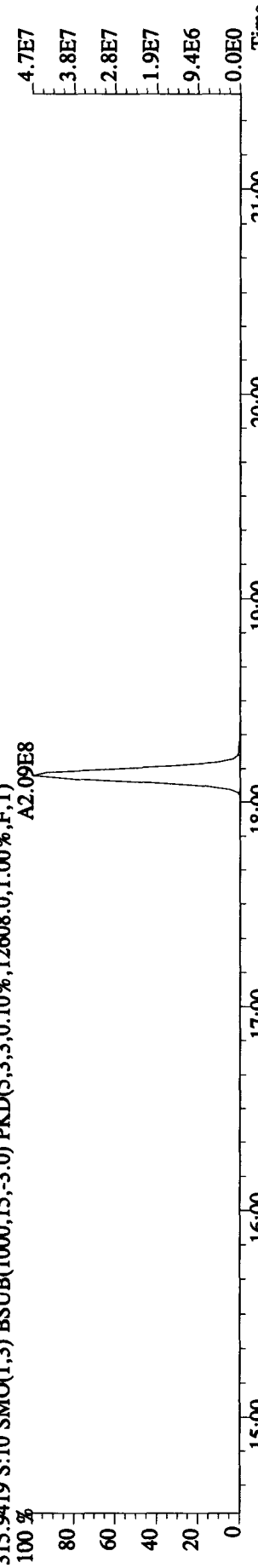
File: 06JA10A1D5 #1-411 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN  
 303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8460.0,1.00%,F,T)  
 100 %



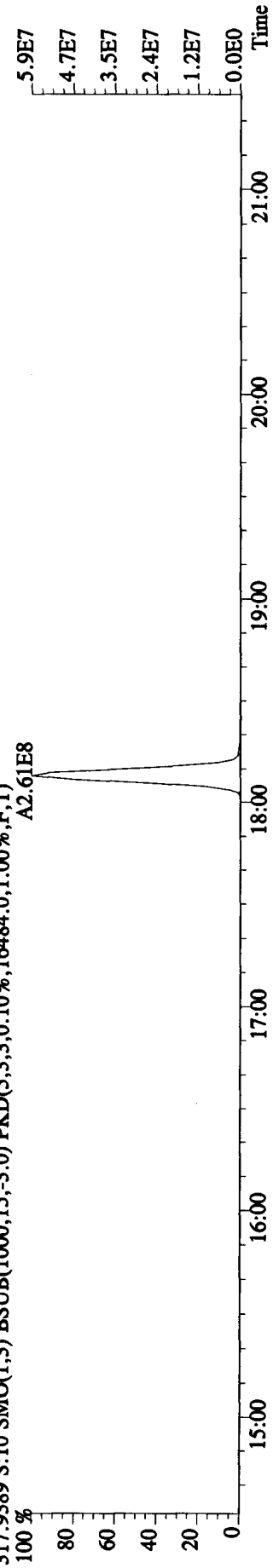
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9644.0,1.00%,F,T)  
 100 %



315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12608.0,1.00%,F,T)  
 100 %



317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16484.0,1.00%,F,T)  
 100 %

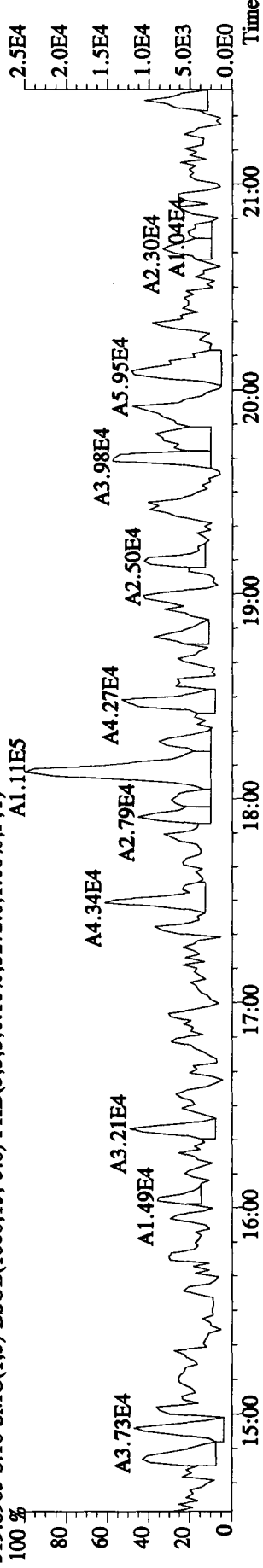




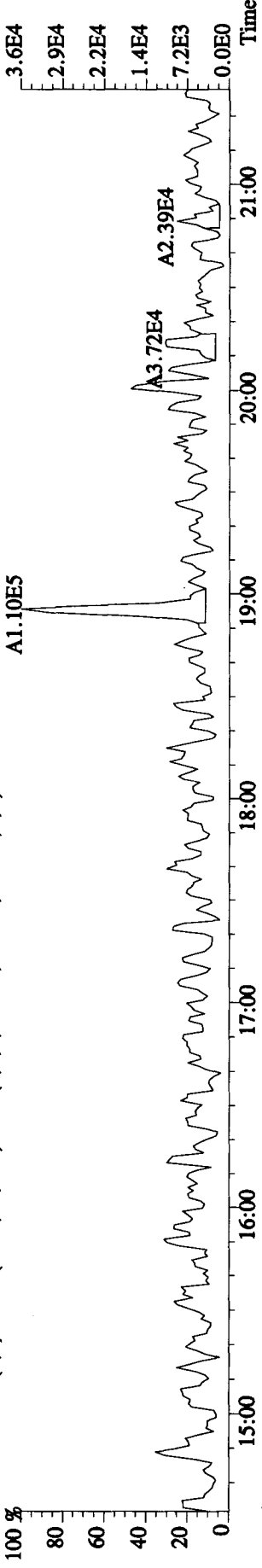
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

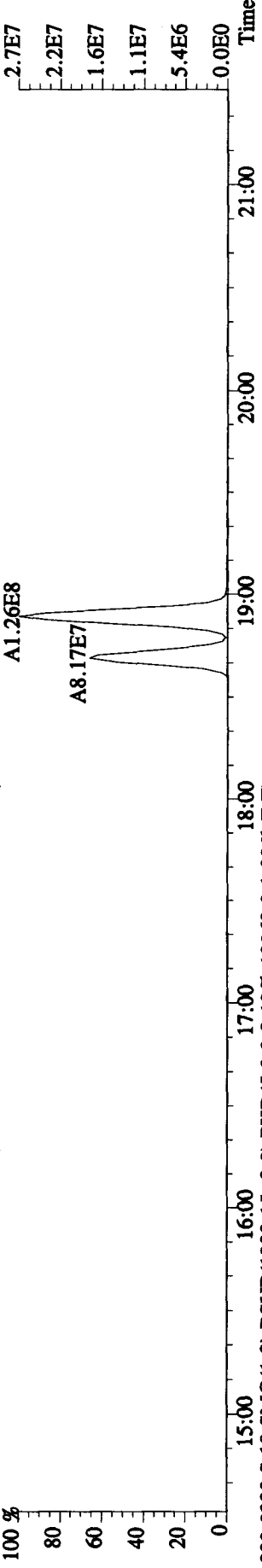
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5272.0,1.00%,F,T)



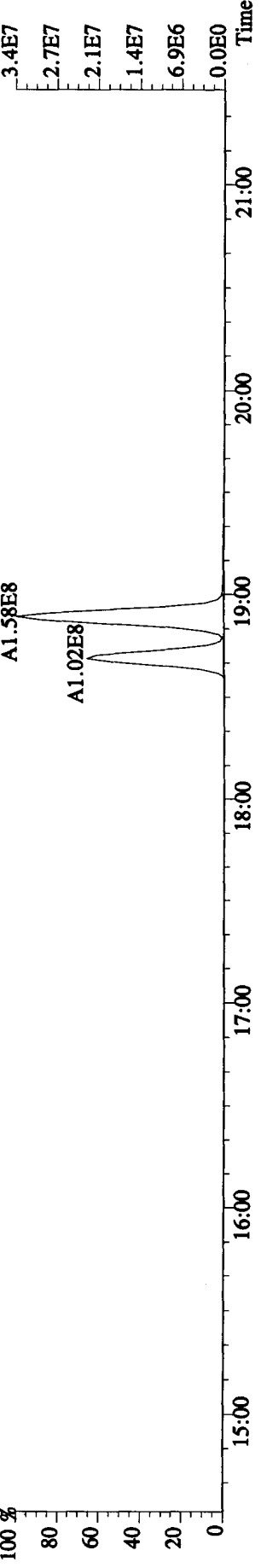
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7228.0,1.00%,F,T)



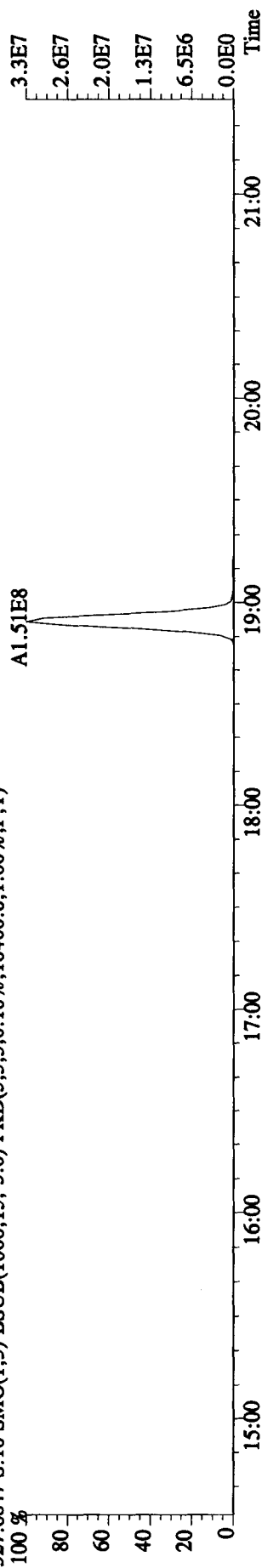
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21728.0,1.00%,F,T)



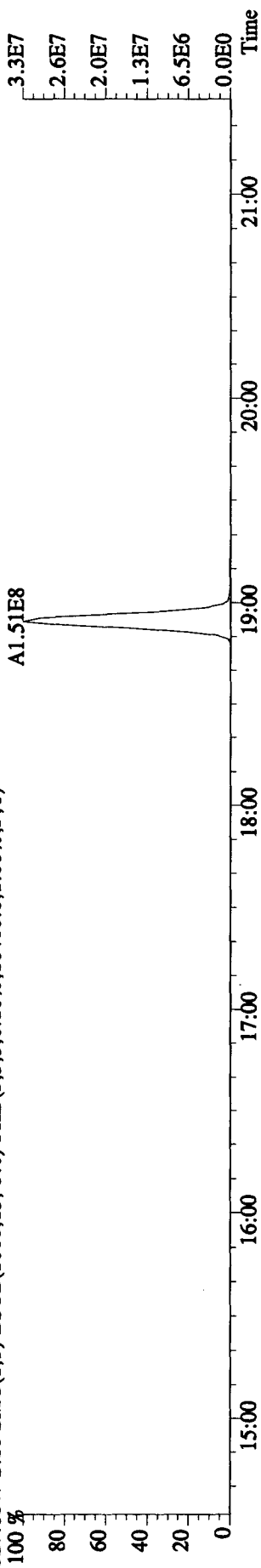
333.9338 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13368.0,1.00%,F,T)



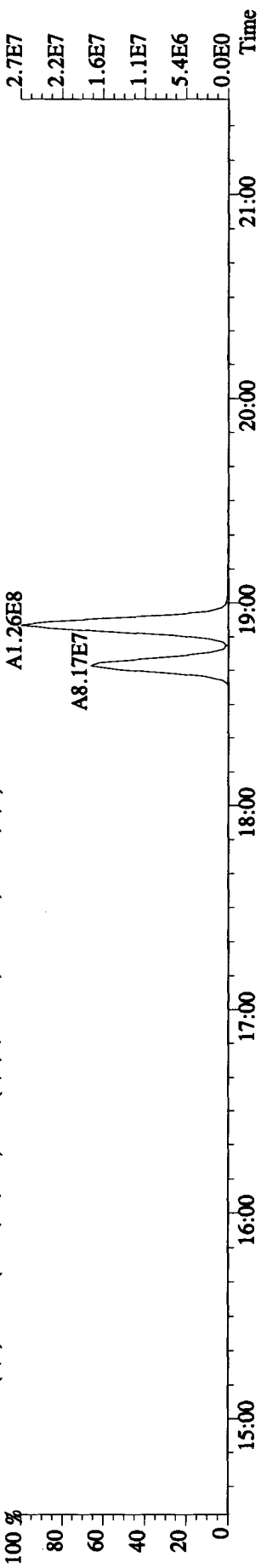
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN  
 327.8847 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10400.0,1.00%,F,T)



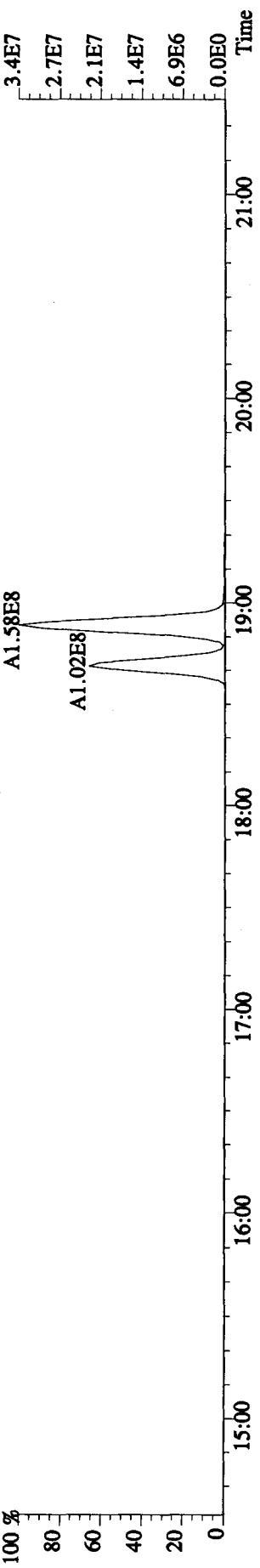
327.8847 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10400.0,1.00%,F,T)



331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21728.0,1.00%,F,T)



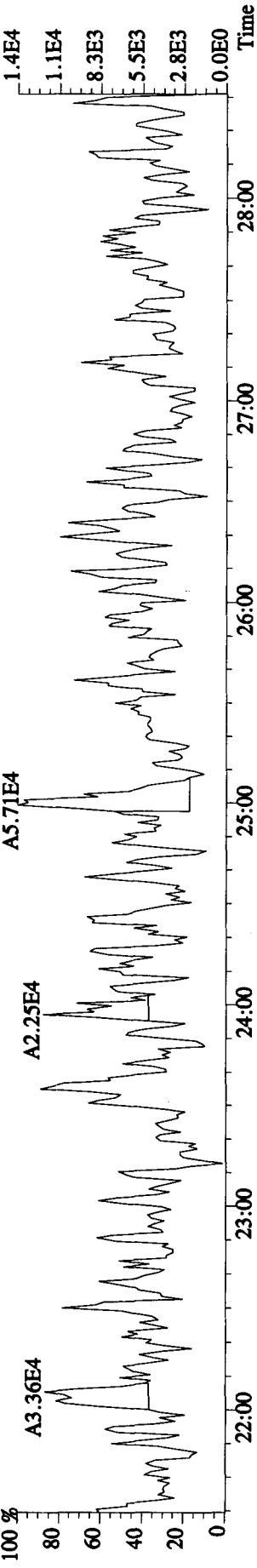
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13368.0,1.00%,F,T)



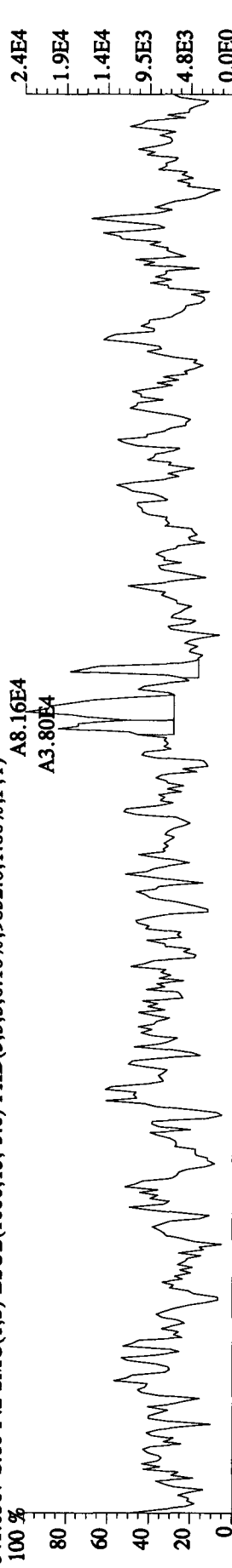
File:06JA10A1D5 #1-495 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

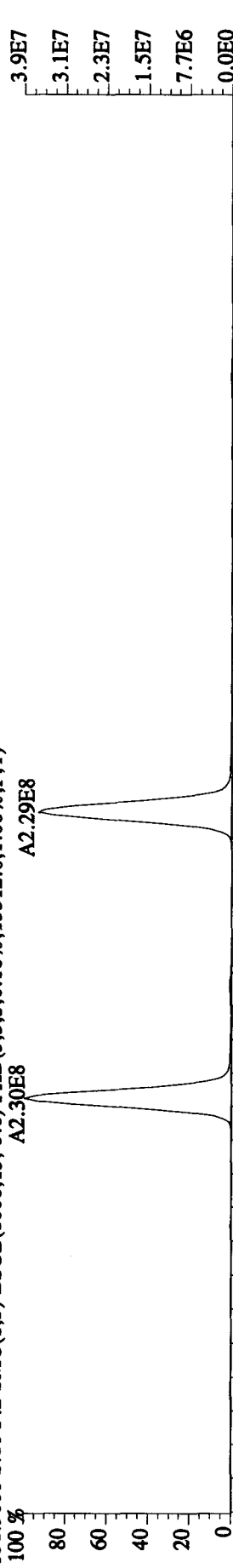
339.8597 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6464.0,1.00%,F,T)  
100 %



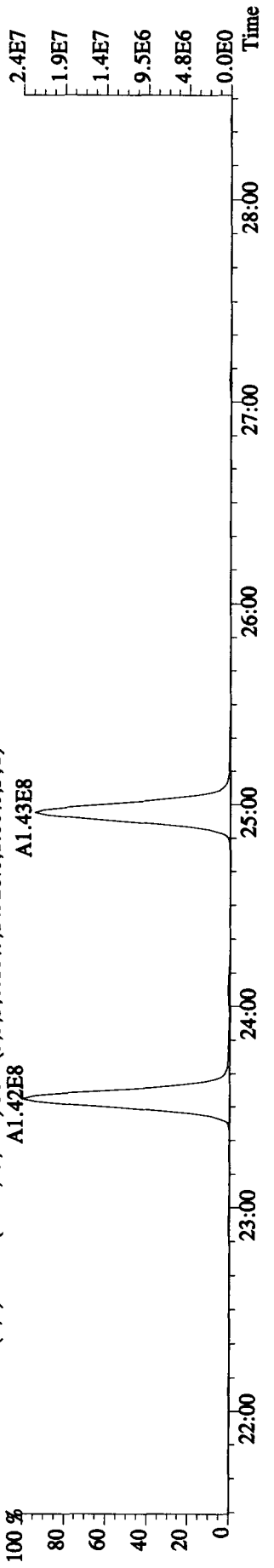
341.8567 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9832.0,1.00%,F,T)  
100 %



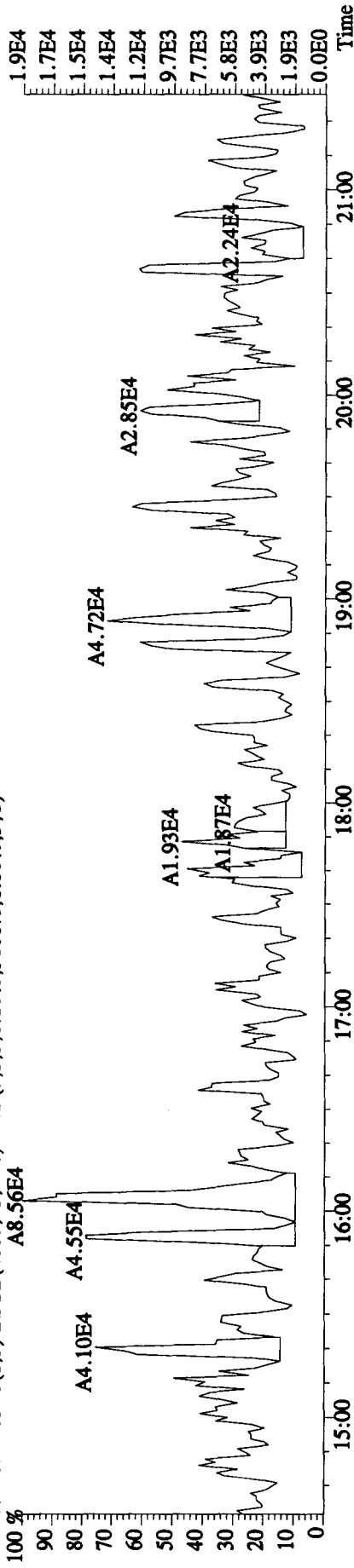
351.9000 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13512.0,1.00%,F,T)  
100 %



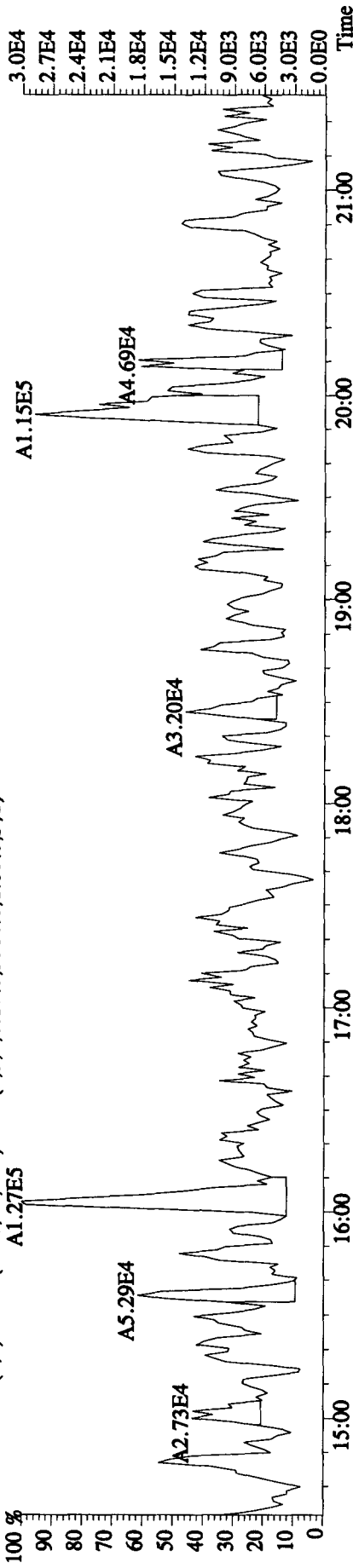
353.8970 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14920.0,1.00%,F,T)  
100 %



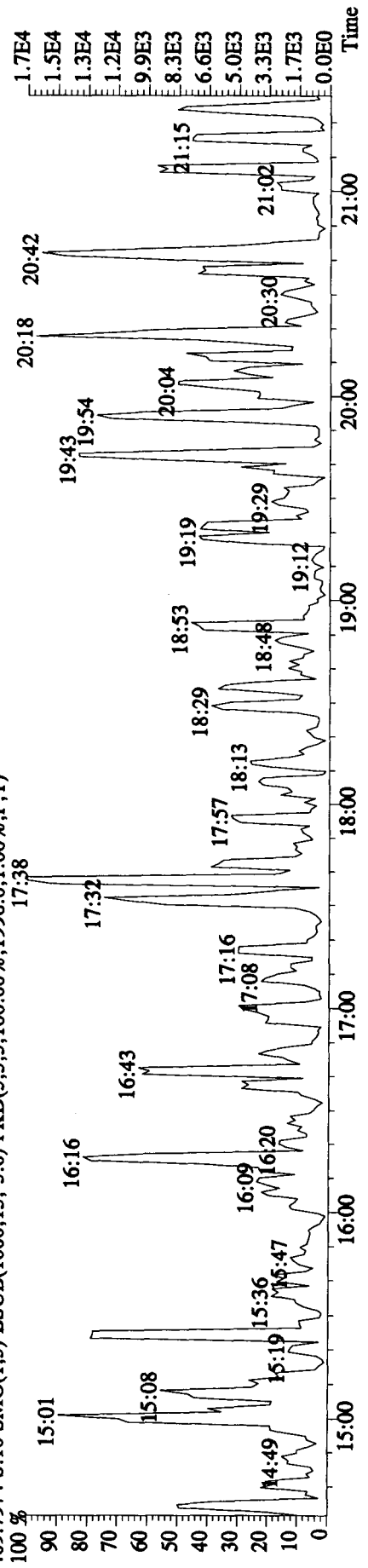
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN  
 339.8597 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5608.0,1.00%,F,T)  
 A8.56E4



341.8567 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9364.0,1.00%,F,T)  
 A1.27E5



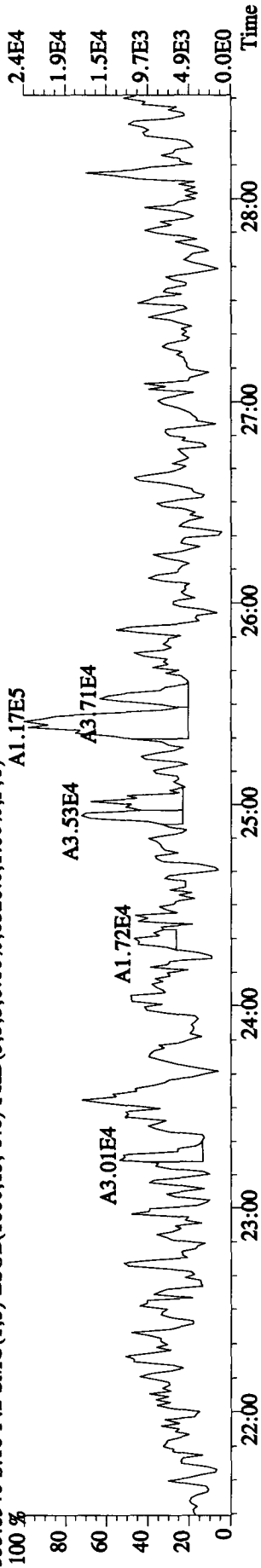
409.7974 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1996.0,1.00%,F,T)  
 17:38



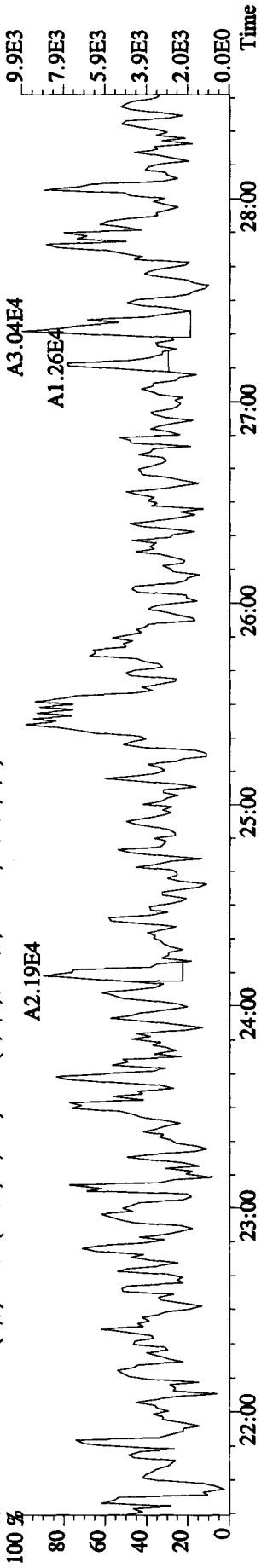
File:06JA10A1D5 #1-495 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

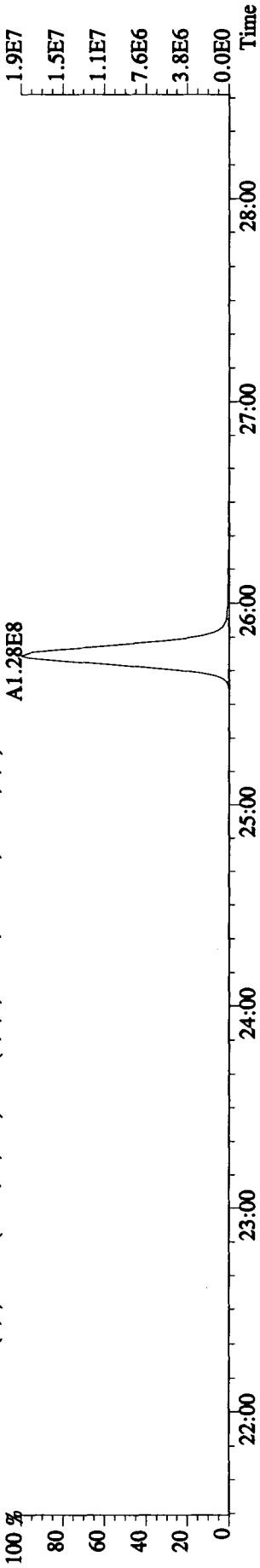
355.8546 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8320.0,1.00%,F,T)



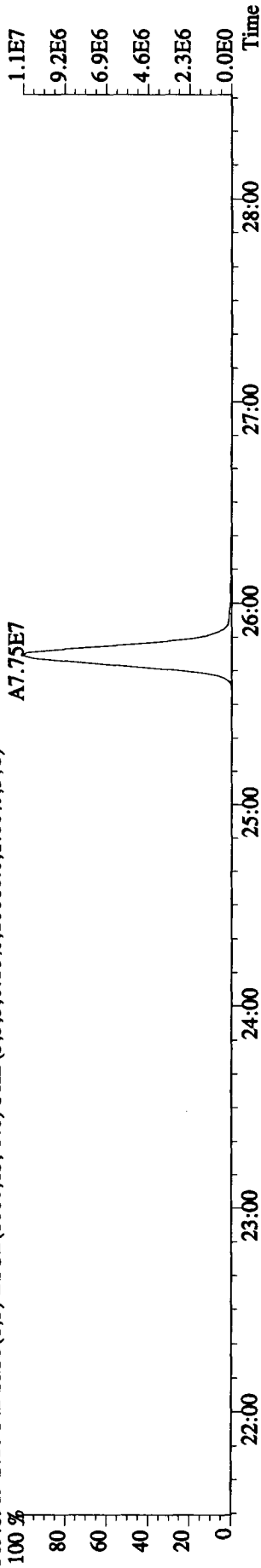
357.8516 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4472.0,1.00%,F,T)



367.8949 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12888.0,1.00%,F,T)



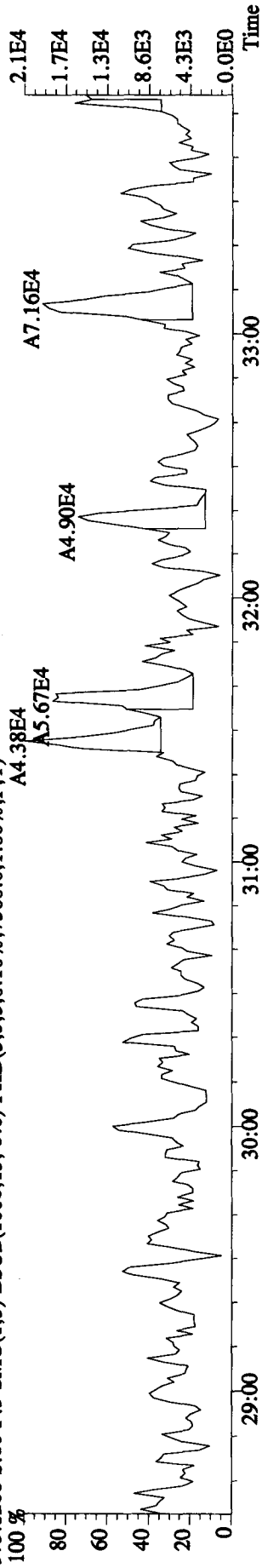
369.8919 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10660.0,1.00%,F,T)



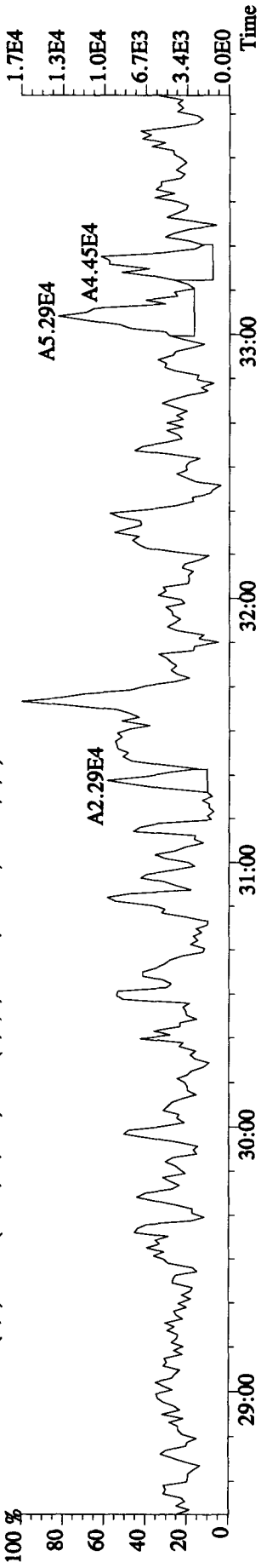
File:06JA10A1D5 #1-361 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

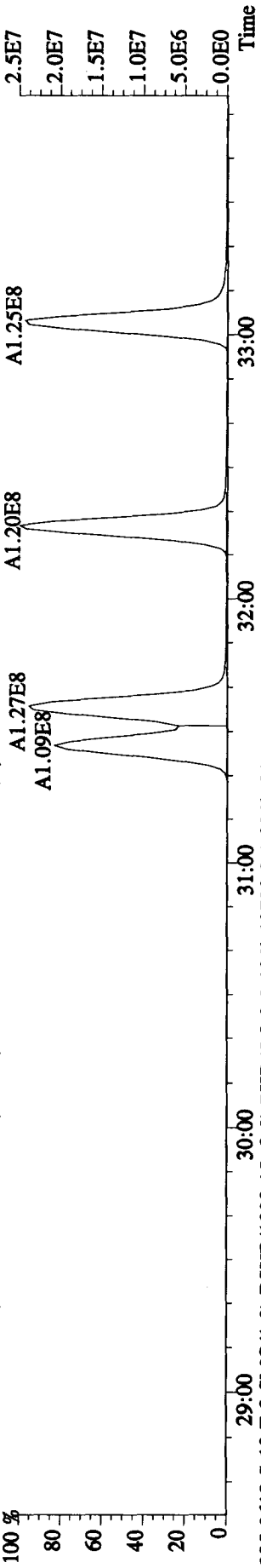
373.8208 S:10 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7360,0,1,00%,F,T)



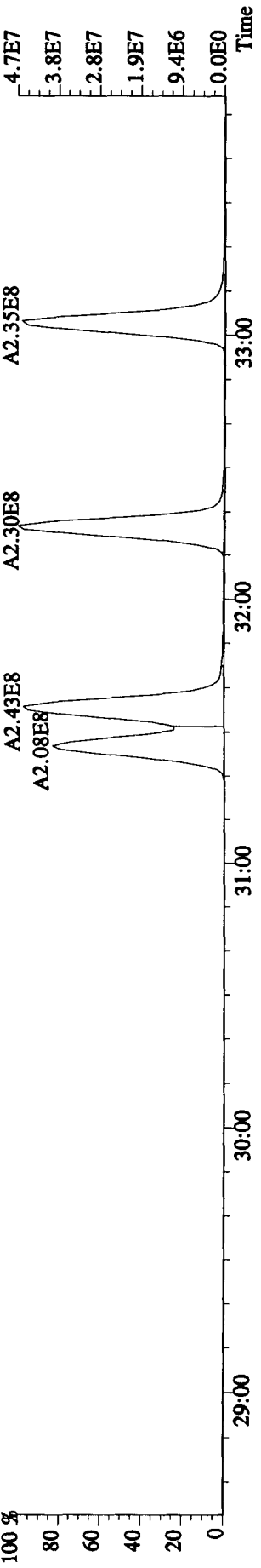
375.8178 S:10 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5408,0,1,00%,F,T)



383.8639 S:10 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8088,0,1,00%,F,T)



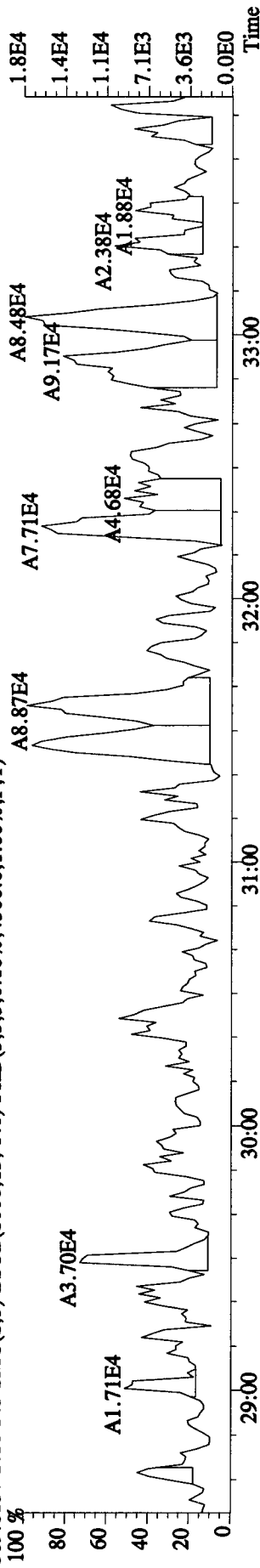
385.8610 S:10 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12780,0,1,00%,F,T)



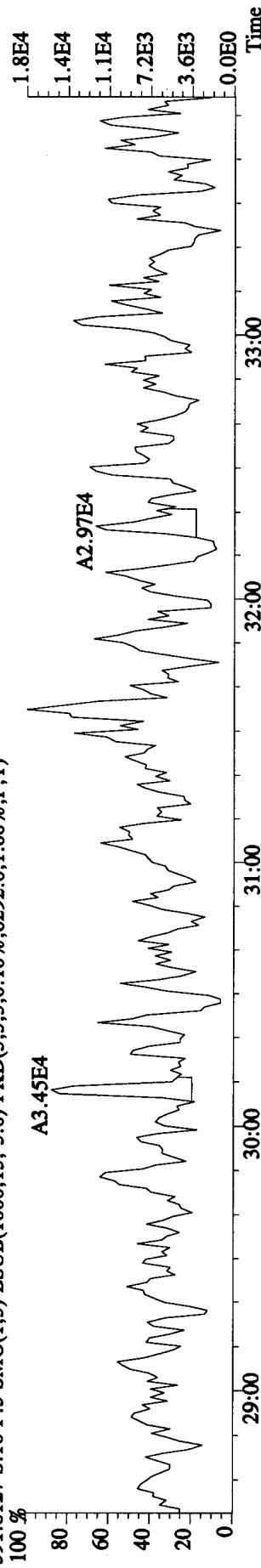
File:06JA10A1D5 #1-361 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

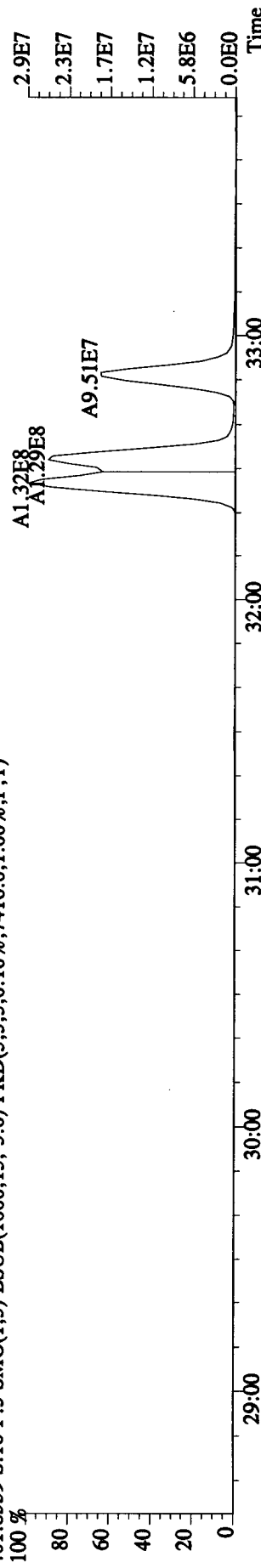
389.8157 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4500.0,1.00%,F,T)



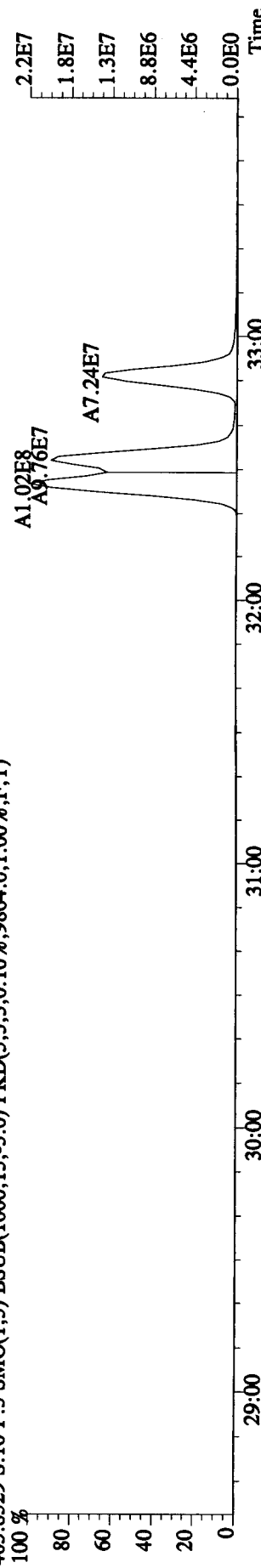
391.8127 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8292.0,1.00%,F,T)



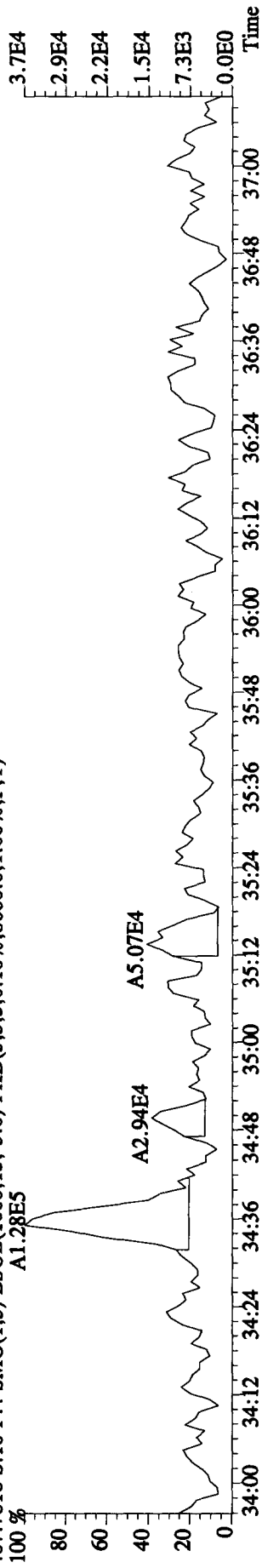
401.8559 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7416.0,1.00%,F,T)



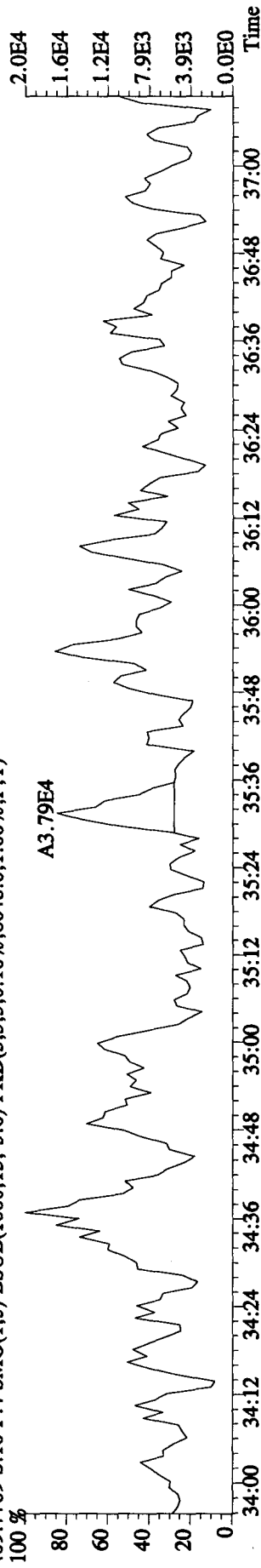
403.8529 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9864.0,1.00%,F,T)



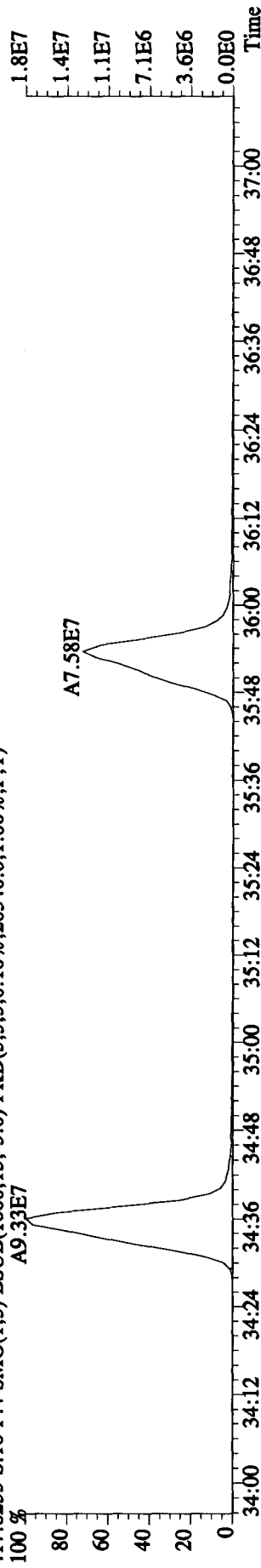
File:06JA10A1D5 #1-228 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN  
 407.7818 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8660.0,1.00%,F,T)  
 A1.28E5



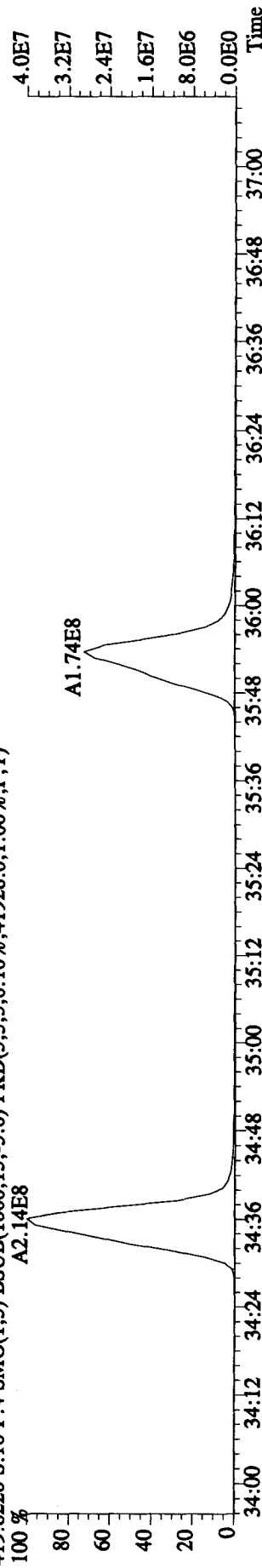
409.7789 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8648.0,1.00%,F,T)



417.8253 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20340.0,1.00%,F,T)



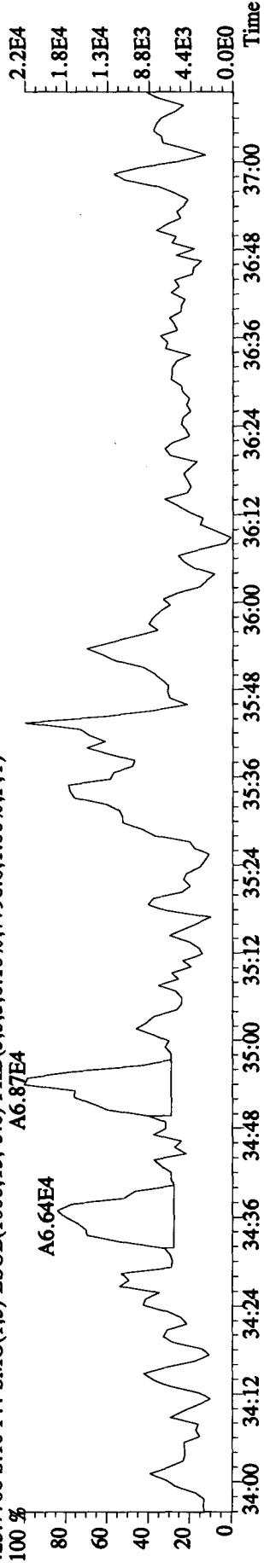
419.8220 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41928.0,1.00%,F,T)



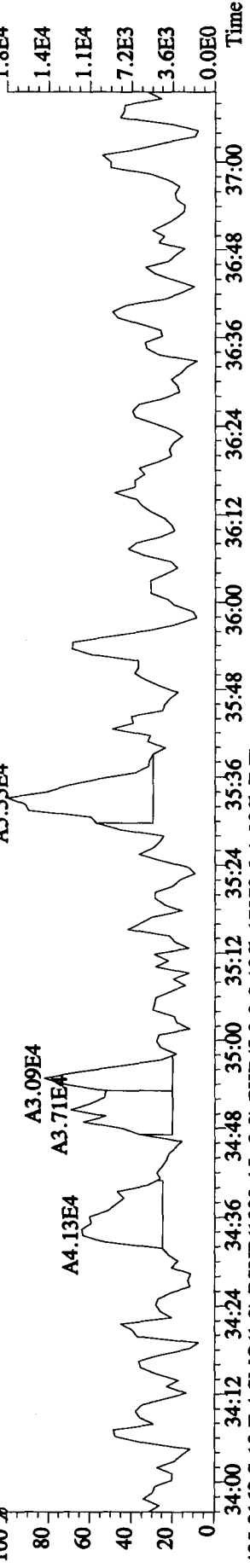


File:06JA10AID5 #1-228 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

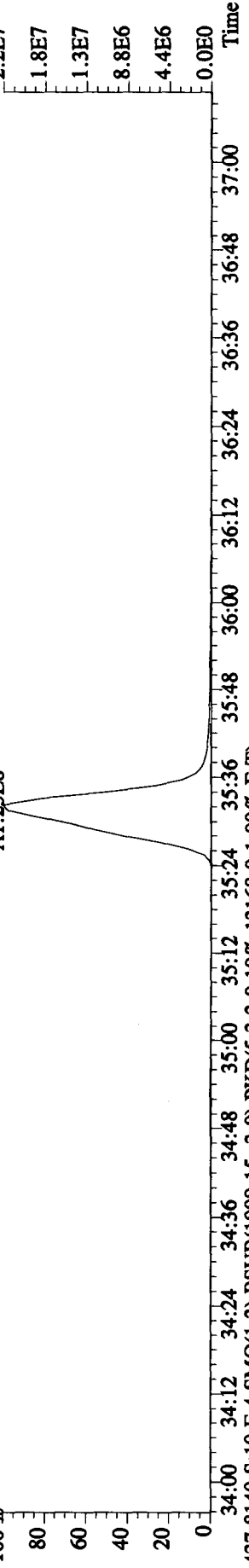
Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN  
423.7766 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7796.0,1.00%,F,T)



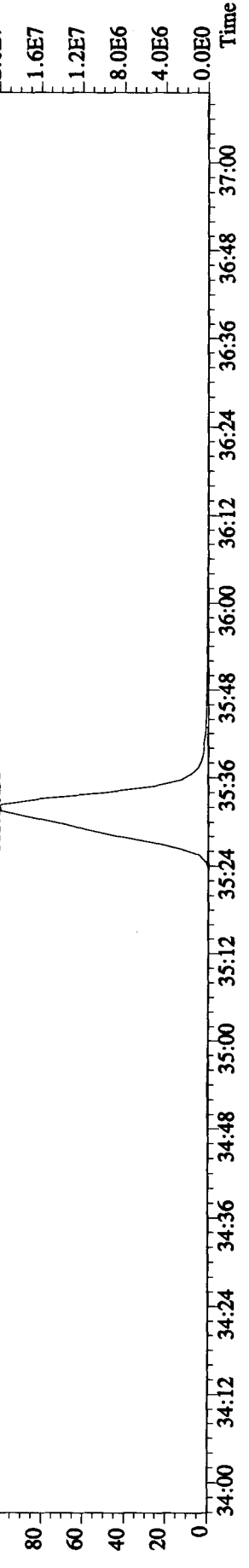
425.7737 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6028.0,1.00%,F,T)



435.8169 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17972.0,1.00%,F,T)



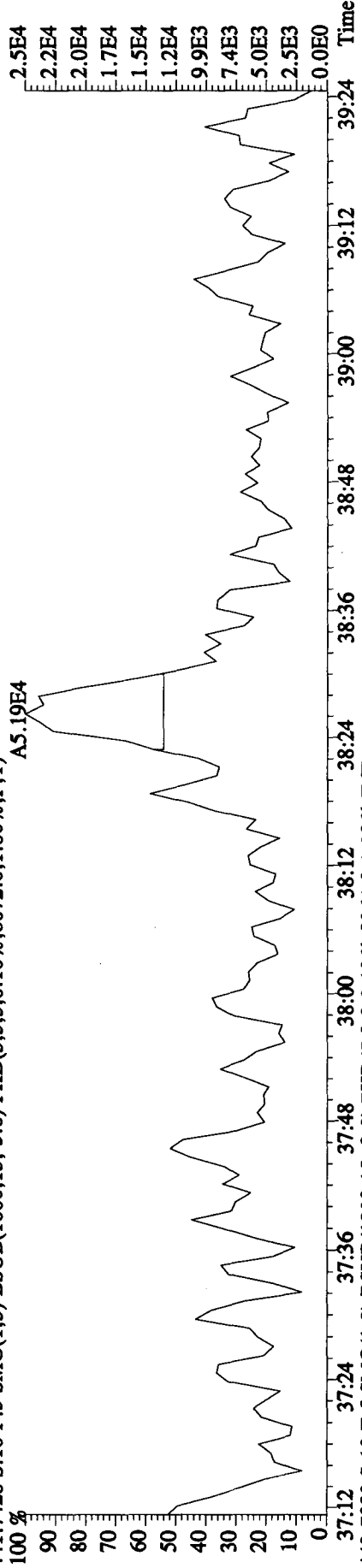
437.8140 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13168.0,1.00%,F,T)



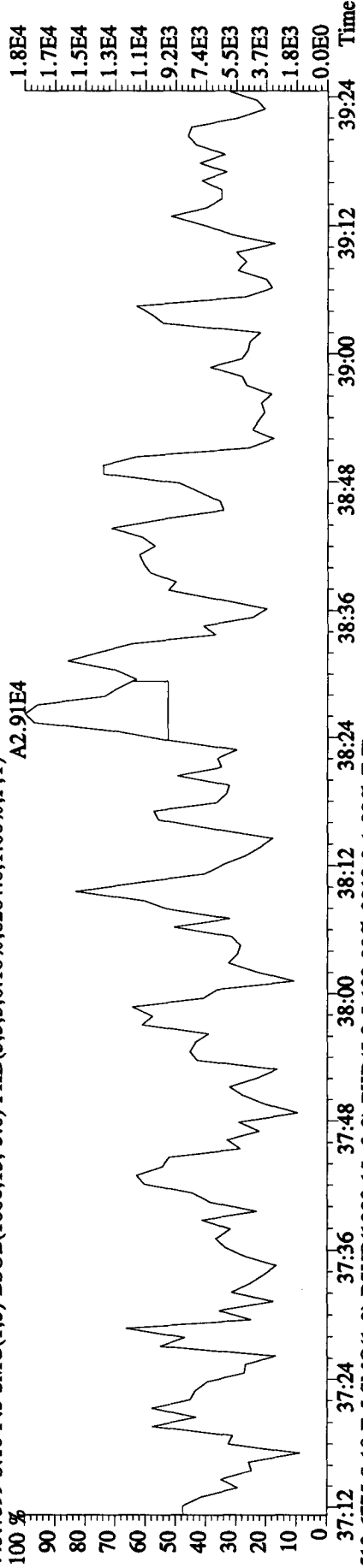
File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

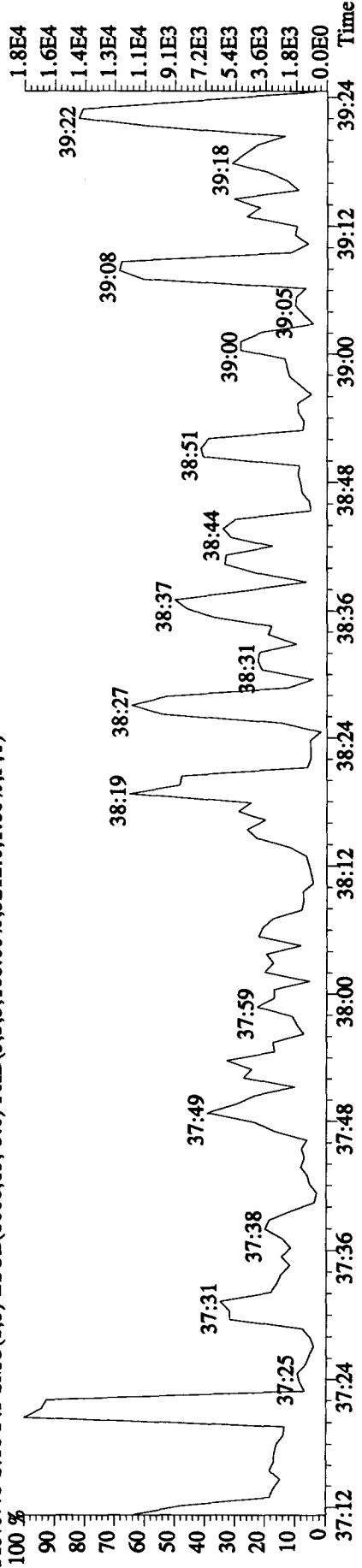
441.7428 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8072.0,1.00%,F,T)



443.7399 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8264.0,1.00%,F,T)



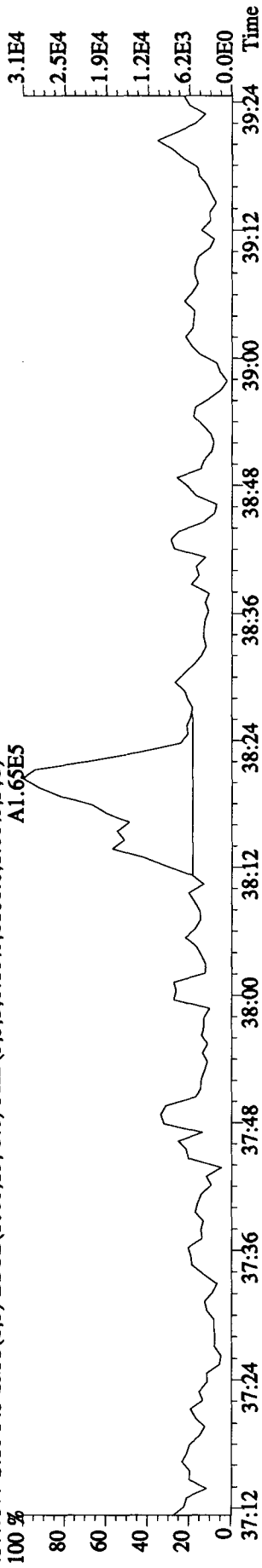
513.6775 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,3212.0,1.00%,F,T)



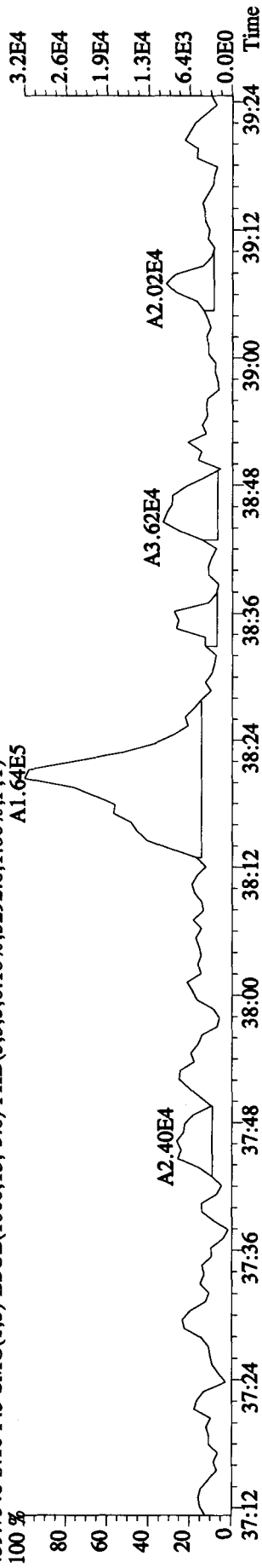
File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

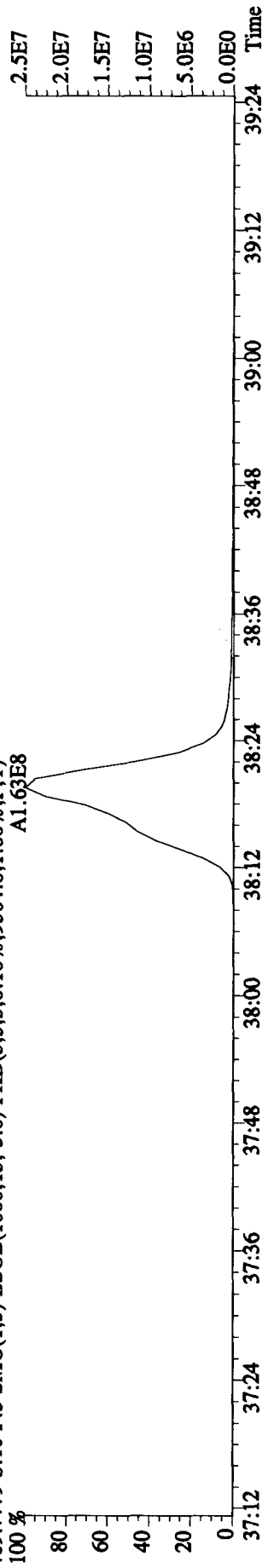
457.7377 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6180.0,1.00%,F,T)  
A1.65E5



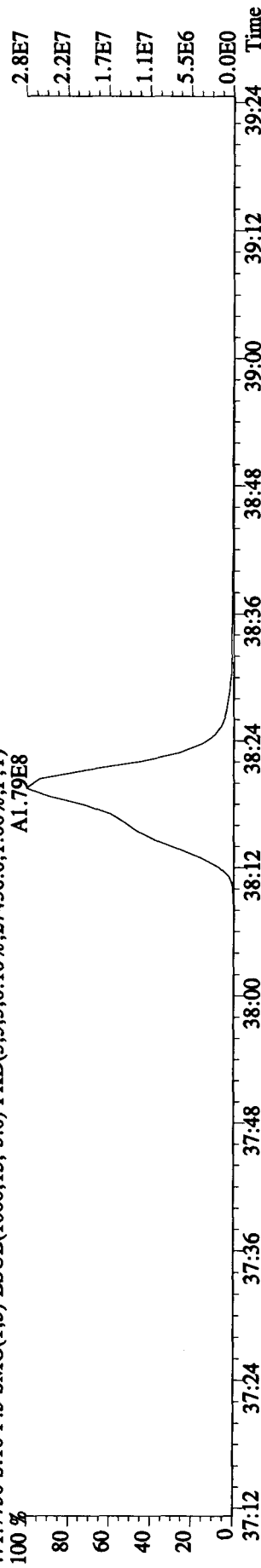
459.7348 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292.0,1.00%,F,T)  
A1.64E5



469.7779 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9504.0,1.00%,F,T)  
A1.63E8



471.7750 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27436.0,1.00%,F,T)  
A1.79E8

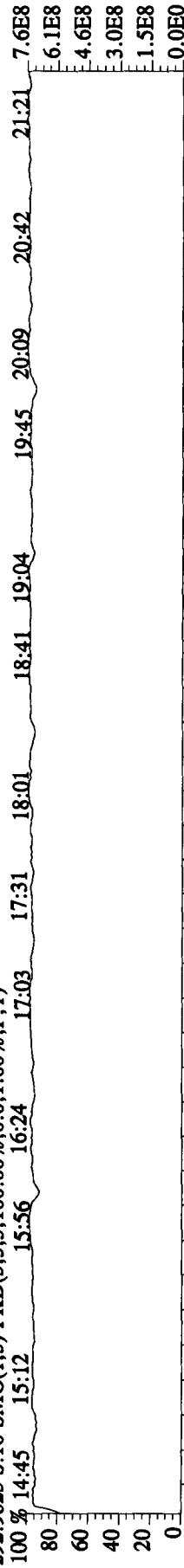


File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

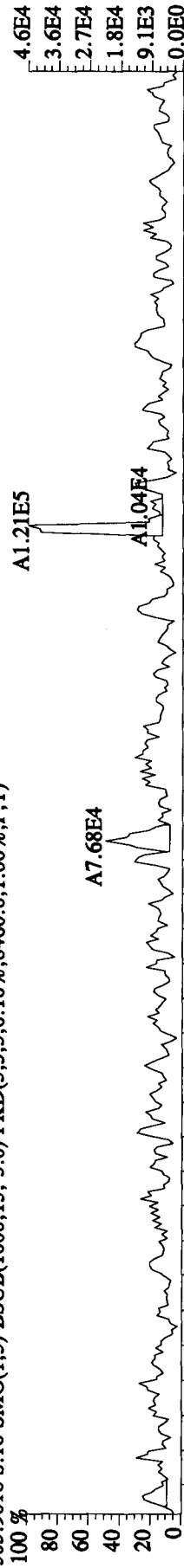
Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

292.9825 S:10 SMO(1,3) PKD(5,3,3,0.10%,0.0,1.00%,F,T)

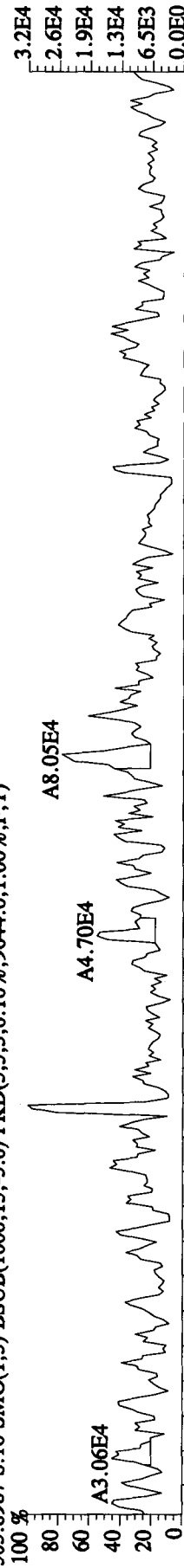
100 % 14:45 15:12 15:56 16:24 17:03 17:31 18:01 18:41 19:04 19:45 20:09 20:42 21:21



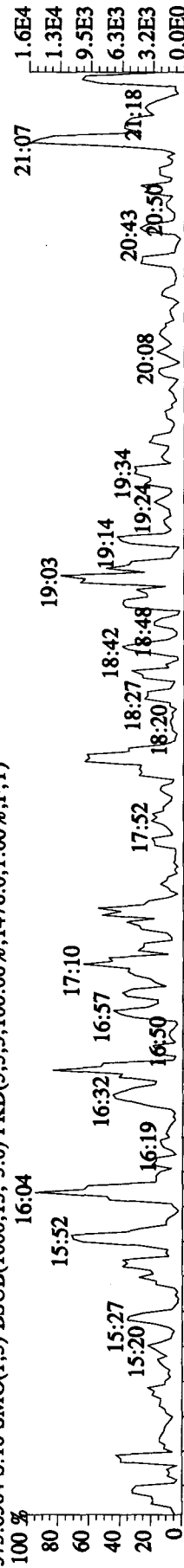
303.9016 S:10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8460.0,1.00%,F,T)



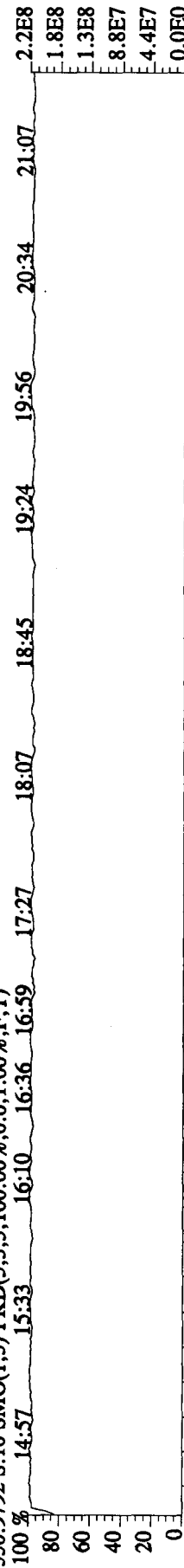
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9644.0,1.00%,F,T)



375.8364 S:10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1476.0,1.00%,F,T)



330.9792 S:10 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

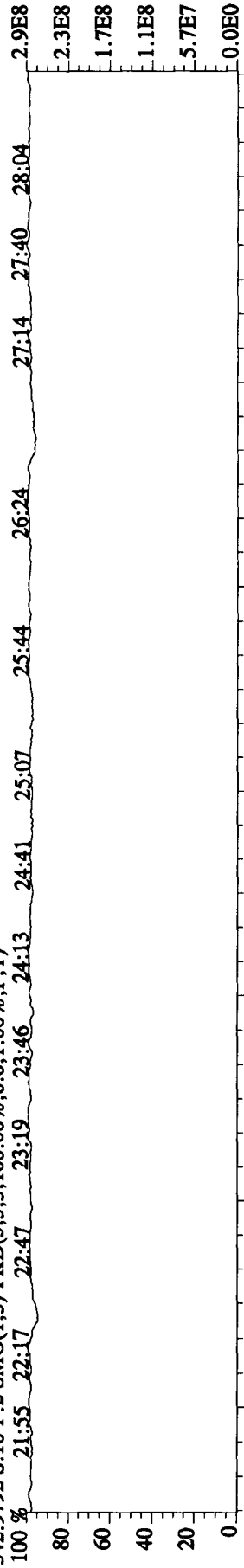


File:06JA10AID5 #1-495 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

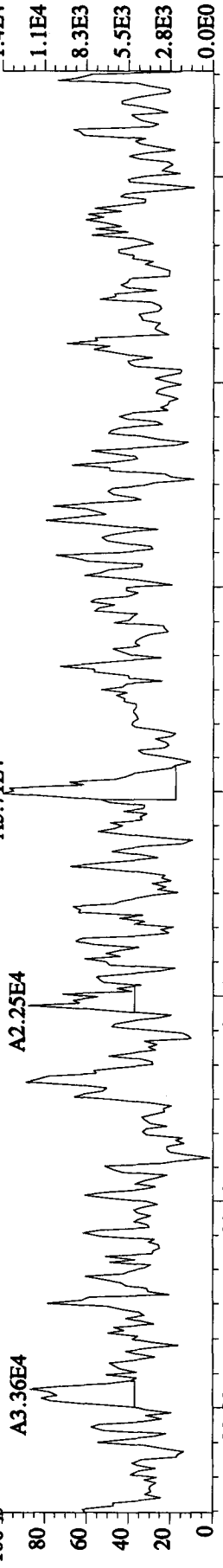
342.9792 S:10 F:2 SMO(1,3) PKD(5,3,3,0.100,0.0,1.00%,F,T)

100 % 21:55 22:17 22:47 23:19 23:46 24:13 24:41 25:07 25:44 26:24 27:14 27:40 28:04



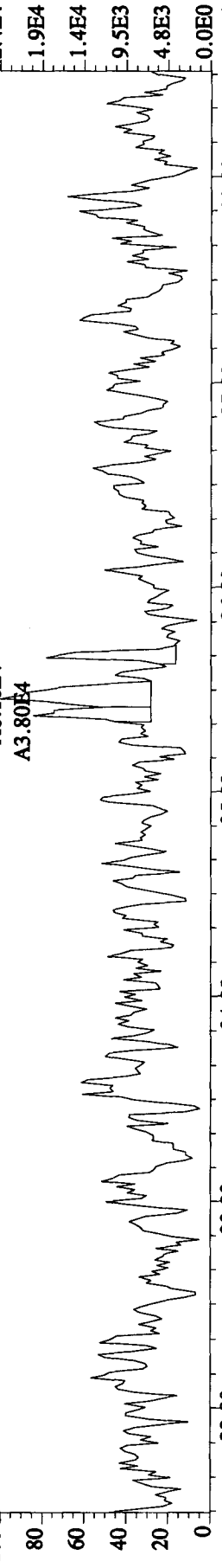
339.8597 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6464.0,1.00%,F,T)

100 % A3.36E4 A2.25E4 A5.71E4



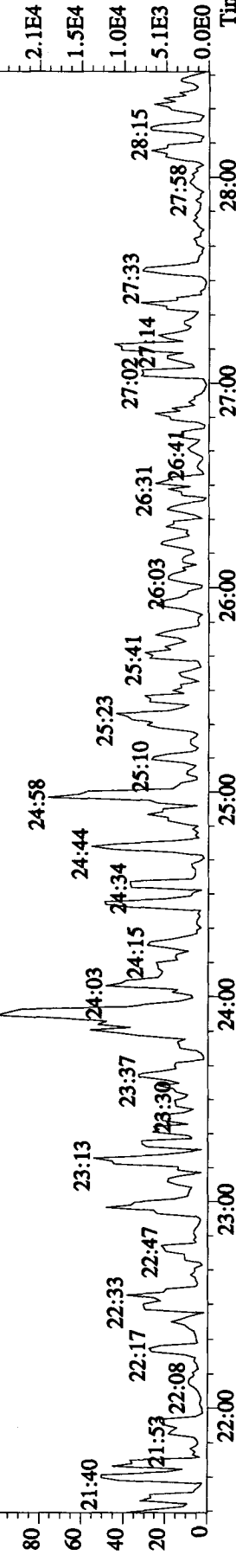
341.8567 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9832.0,1.00%,F,T)

100 % A8.16E4 A3.80E4

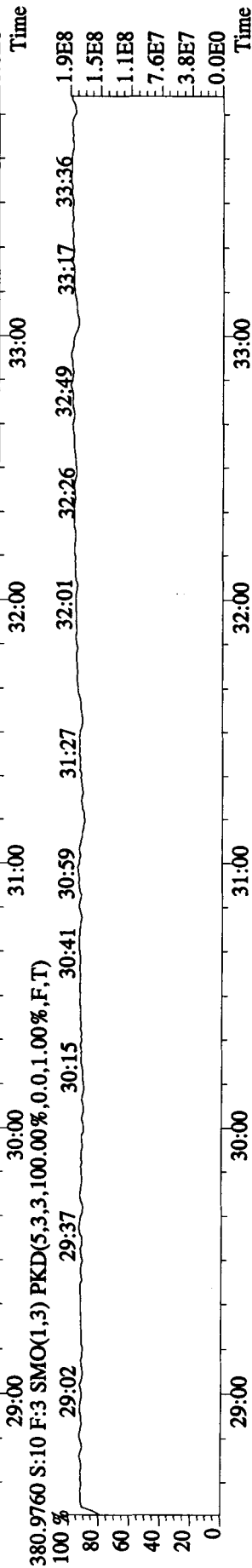
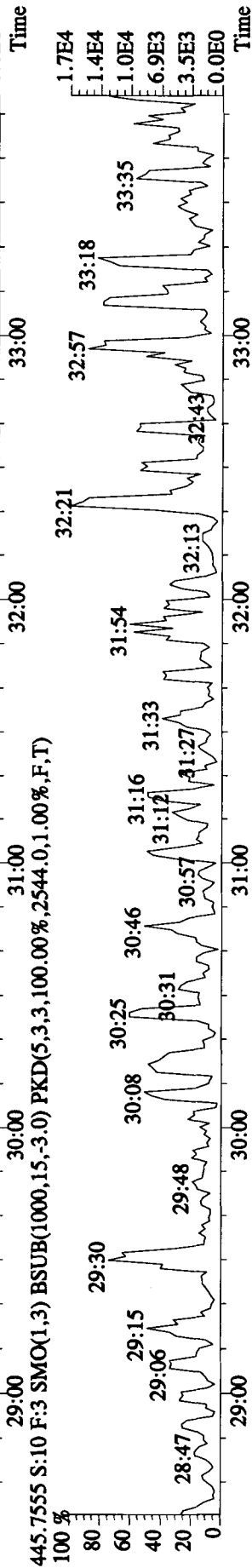
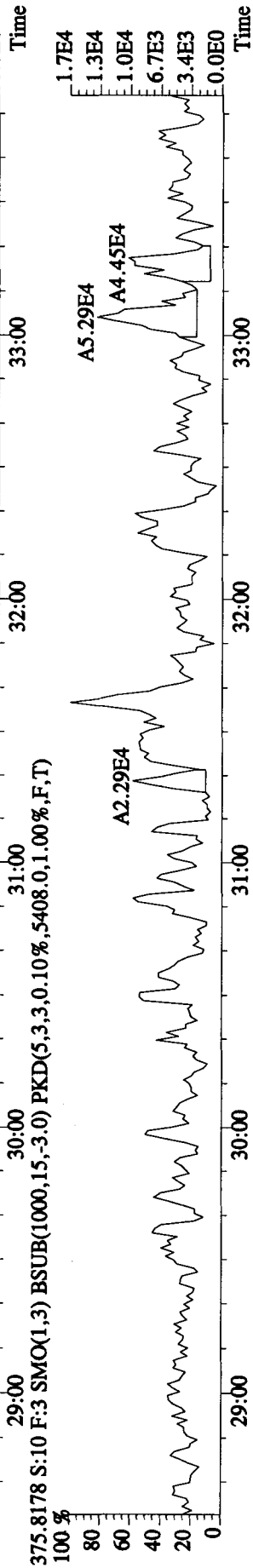
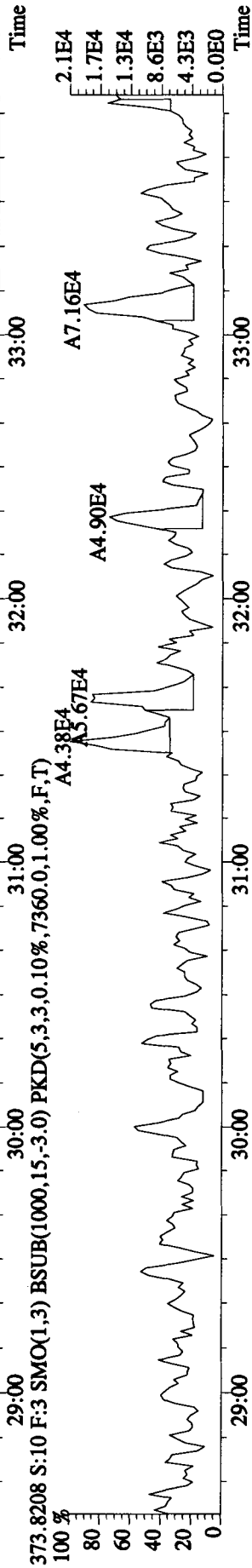
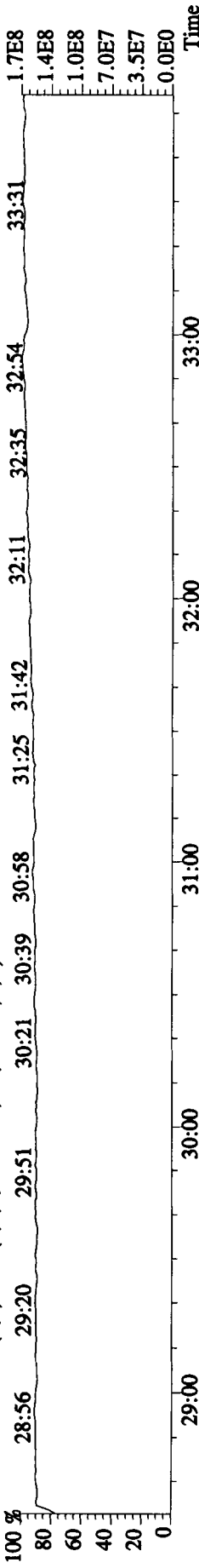


409.7974 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2048.0,1.00%,F,T)

100 % 23:55



File:06JA10A1D5 #1-361 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN  
 392.9760 S:10 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

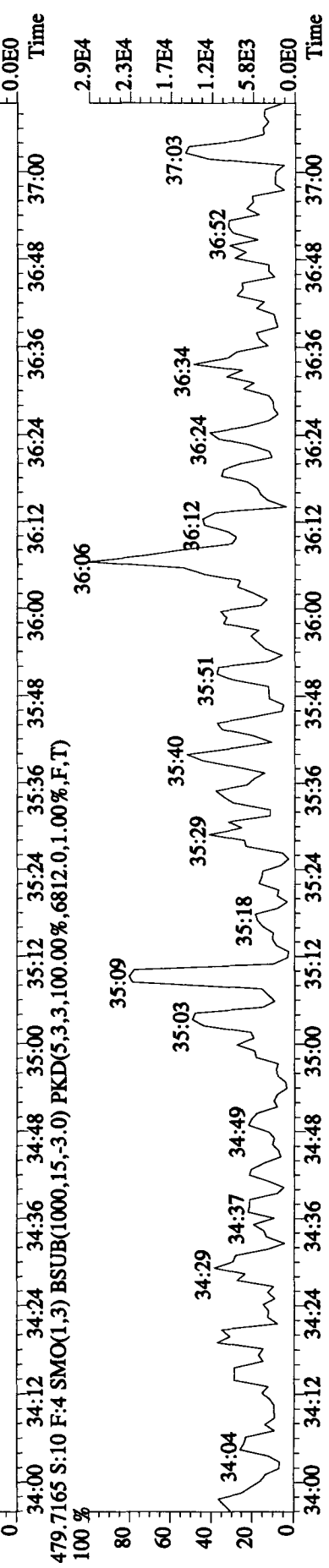
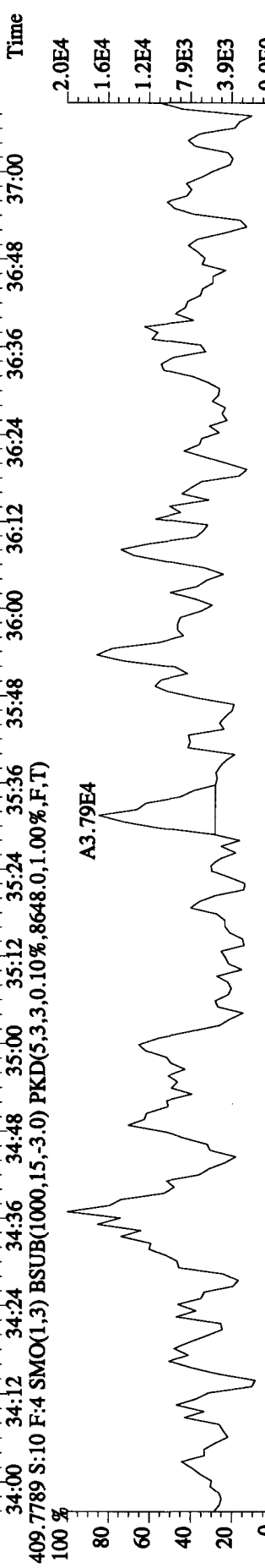
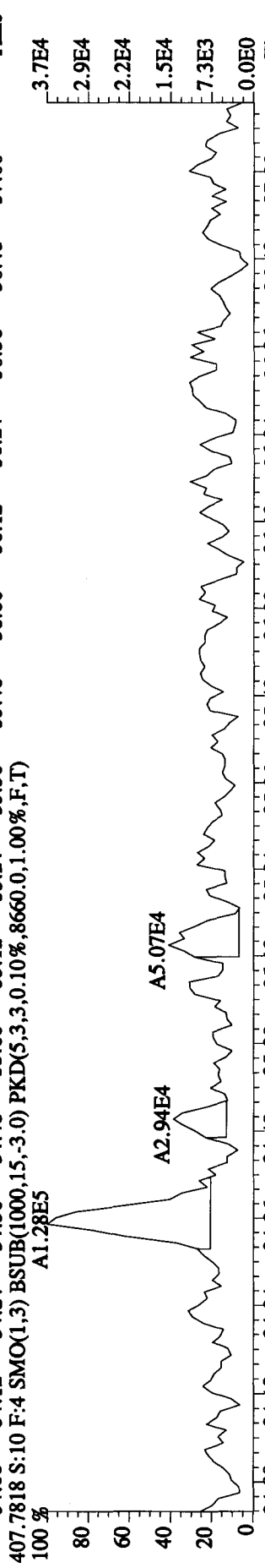
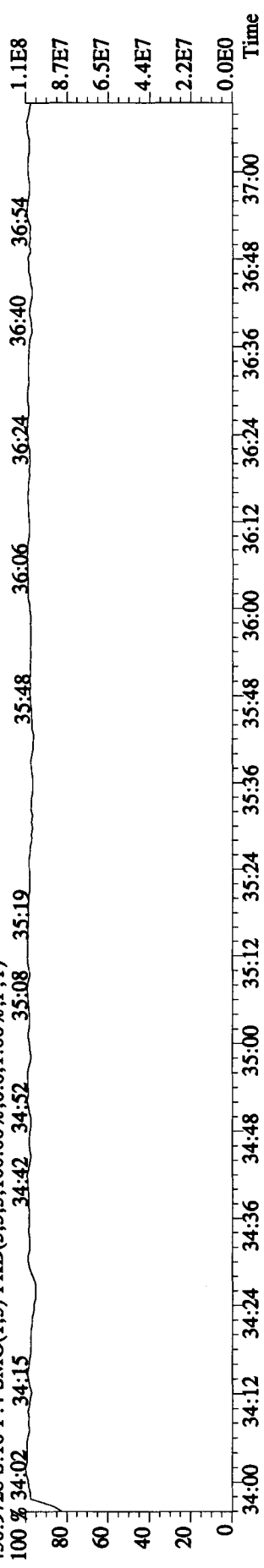


File:06JA10A1D5 #1-228 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE

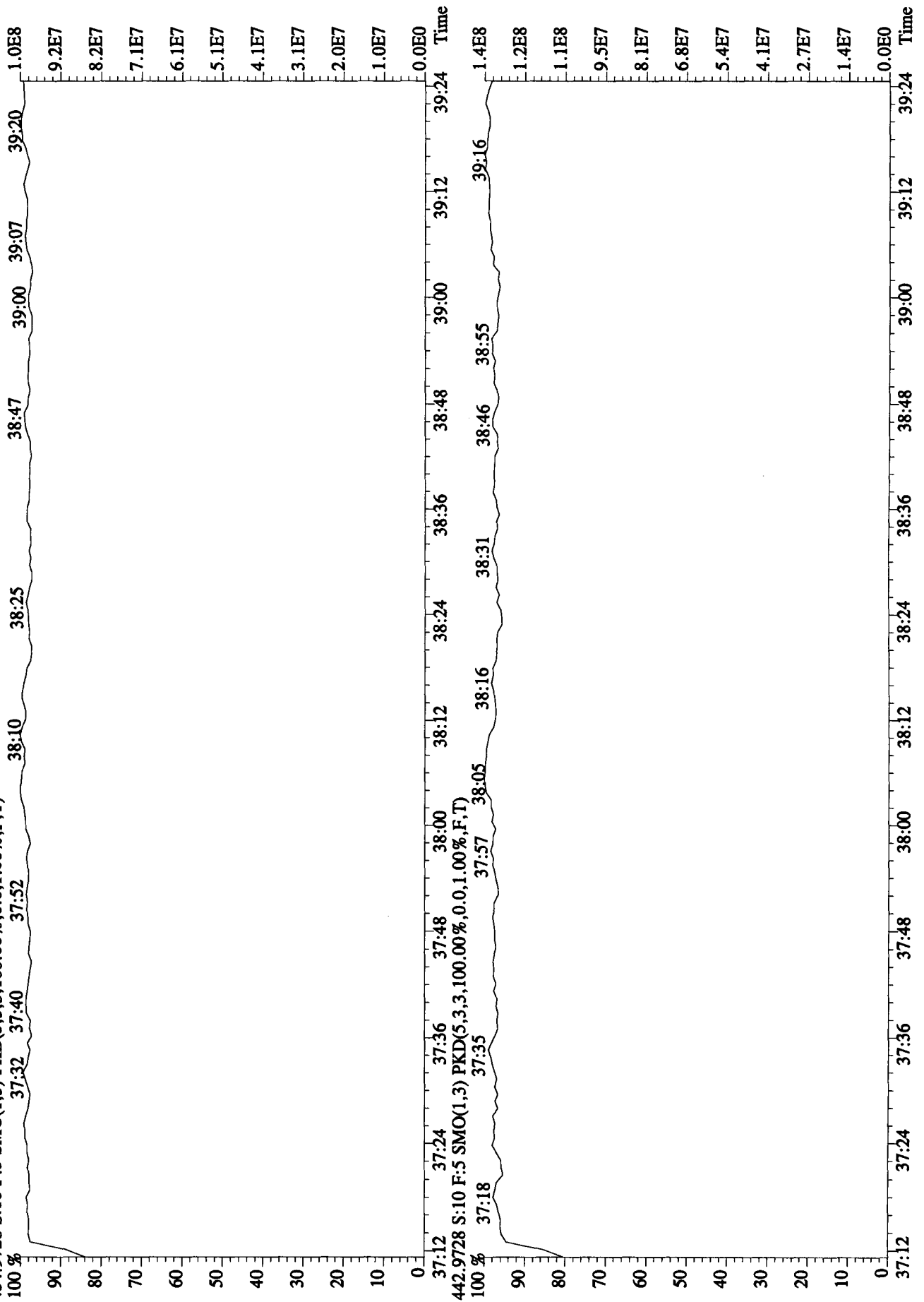
Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN

430.9728 S:10 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 34:02 34:15 34:42 34:52 35:08 35:19 35:48 36:06 36:24 36:40 36:54



File:06JA10AID5 #1-161 Acq: 7-JAN-2010 04:26:09 GC EI+ Voltage SIR 70SE  
 Sample#10 Text:LQ9FQ-1-AA :G9L240493-3 Exp:DIOXIN  
 454.9728 S:10 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)





Method ID 8290Associated ICAL 82901231091D5Column ID DB5Instrument ID 1D5STD ID ST0106, ST0106ASTD Solution 09DXN425Analyzed by AM, KSSDate Analyzed 01/06/10, 01/07/10Std. Pkg. By JRBDate Std. Pkg. Assembled 01/07/10Std. Pkg. Reviewed By SMADate Std. Pkg. Reviewed 01/07/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

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

\* Method 8290/TO9/M0023A: (beginning)  $\leq$  20% from curve RRFs for native analytes,  $\leq$  30% from curve RRFs for labeled compounds.

Method 8290/TO9/M0023A: (ending)  $\leq$  25% from curve RRFs for native analytes,  $\leq$  35% from curve RRFs for labeled compounds.

Method 23: See Method 23 Daily Standard Criteria, Table 5.

Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

\*\* Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet

Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0106

File text: CS-3 09DXN425

Run #6 Filename 06JA10A1D5 S: 1

I: 1

Acquired: 6-JAN-10 22:09:57

Processed: 6-JAN-10 22:50:07

Run: 06JA10A1D5 Analyte: 8290

Cal: 82901231091D5

Results: 06JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	175179500	0.81 y	18:46	-	100.00	-	n
13C-2,3,7,8-TCDF	303387000	0.79 y	18:12	1.73	100.00	10.6	n
2,3,7,8-TCDF	25886600	0.76 y	18:13	0.85	10.00	-0.8	n
Total TCDF	26083434	1.20 n	17:14	0.85	10.00	-0.8	n
13C-2,3,7,8-TCDD	174858800	0.81 y	18:57	1.00	100.00	0.5	n
2,3,7,8-TCDD	16049430	0.79 y	18:59	0.92	10.00	-1.7	n
Total TCDD	16129202	0.79 y	18:59	0.92	10.00	-1.7	n
37Cl-2,3,7,8-TCDD	38272800	1.00 y	18:59	2.18	10.00	-1.5	n
13C-1,2,3,7,8-PeCDF	212165600	1.66 y	23:37	1.21	100.00	12.9	n
1,2,3,7,8-PeCDF	108606100	1.58 y	23:38	1.02	50.00	2.4	n
2,3,4,7,8-PeCDF	104368700	1.58 y	25:04	0.98	50.00	4.8	n
Total F2 PeCDF	214730039	1.58 y	23:38	1.00	100.00	3.6	n
Total F1 PeCDF	54868	0.84 n	20:41	1.00	100.00	3.6	n
13C-1,2,3,7,8-PeCDD	114986800	1.68 y	25:49	0.66	100.00	-1.5	n
1,2,3,7,8-PeCDD	58465300	1.65 y	25:51	1.02	50.00	9.4	n
Total PeCDD	58465300	1.65 y	25:51	1.02	50.00	9.4	n
13C-1,2,3,7,8,9-HxCDD	160863900	1.28 y	32:53	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	150491400	0.51 y	31:29	0.94	100.00	4.8	n
1,2,3,4,7,8-HxCDF	97046700	1.27 y	31:30	1.29	50.00	7.6	n
1,2,3,6,7,8-HxCDF	107306200	1.27 y	31:39	1.43	50.00	4.0	n
2,3,4,6,7,8-HxCDF	96569500	1.24 y	32:19	1.28	50.00	3.3	n
1,2,3,7,8,9-HxCDF	97688700	1.27 y	33:05	1.30	50.00	-2.1	n
Total HxCDF	398611100	1.27 y	31:30	1.32	200.00	3.1	n
13C-1,2,3,6,7,8-HxCDD	122663700	1.29 y	32:33	0.76	100.00	4.2	n
1,2,3,4,7,8-HxCDD	59282400	1.29 y	32:29	0.97	50.00	-0.3	n
1,2,3,6,7,8-HxCDD	70411300	1.31 y	32:34	1.15	50.00	8.5	n
1,2,3,7,8,9-HxCDD	83064500	1.29 y	32:53	1.35	50.00	6.2	n
Total HxCDD	212758200	1.29 y	32:29	1.16	150.00	5.0	n
13C-1,2,3,4,6,7,8-HpCDF	146636200	0.43 y	34:36	0.91	100.00	6.0	n
1,2,3,4,6,7,8-HpCDF	100283500	1.08 y	34:37	1.37	50.00	6.3	n
1,2,3,4,7,8,9-HpCDF	81404600	1.07 y	35:55	1.11	50.00	-2.2	n
Total HpCDF	181688100	1.08 y	34:37	1.24	100.00	2.3	n
13C-1,2,3,4,6,7,8-HpCDD	121623100	1.08 y	35:32	0.76	100.00	0.5	n
1,2,3,4,6,7,8-HpCDD	62777600	1.06 y	35:33	1.03	50.00	3.5	n
Total HpCDD	63030391	1.28 n	34:55	1.03	50.00	3.5	n
13C-OCDD	166760600	0.90 y	38:21	0.52	200.00	-8.2	n
OCDF	127916300	0.89 y	38:28	1.53	100.00	6.7	n
OCDD	96597600	0.90 y	38:21	0.52	200.00	4.4	n

Run text: ST0106A File text: ST0106A :CS3 09DXN425  
 Run #18 Filename 06JA10A1D5 S: 15 I: 1  
 Acquired: 7-JAN-10 07:55:09 Processed: 7-JAN-10 09:20:46  
 Run: 06JA10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 06JA10A1D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	203753832	0.82 y	18:41	-	100.00	-	n
13C-2,3,7,8-TCDF	347086704	0.79 y	18:08	1.70	100.00	8.8	n
2,3,7,8-TCDF	32308443	0.73 y	18:09	0.93	10.00	8.3	n
Total TCDF	32521789	0.59 n	17:44	0.93	10.00	8.3	n
13C-2,3,7,8-TCDD	202036632	0.81 y	18:53	0.99	100.00	-0.2	n
2,3,7,8-TCDD	19074642	0.77 y	18:54	0.94	10.00	1.1	n
Total TCDD	19074642	0.77 y	18:54	0.94	10.00	1.1	n
37Cl-2,3,7,8-TCDD	45019048	1.00 y	18:54	2.21	10.00	-0.4	n
13C-1,2,3,7,8-PeCDF	241815968	1.63 y	23:32	1.19	100.00	10.6	n
1,2,3,7,8-PeCDF	134775432	1.63 y	23:34	1.11	50.00	11.5	n
2,3,4,7,8-PeCDF	125977516	1.63 y	24:59	1.04	50.00	11.0	n
Total F2 PeCDF	262349301	1.69 y	22:06	1.08	100.00	11.2	n
Total F1 PeCDF	122752	0.51 n	16:02	1.08	100.00	11.2	n
13C-1,2,3,7,8-PeCDD	131879700	1.68 y	25:44	0.65	100.00	-2.9	n
1,2,3,7,8-PeCDD	67513730	1.67 y	25:46	1.02	50.00	10.2	n
Total PeCDD	67513730	1.67 y	25:46	1.02	50.00	10.2	n
13C-1,2,3,7,8,9-HxCDD	182261704	1.31 y	32:51	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	184733004	0.54 y	31:27	1.01	100.00	13.5	n
1,2,3,4,7,8-HxCDF	122874824	1.27 y	31:27	1.33	50.00	10.9	n
1,2,3,6,7,8-HxCDF	134713096	1.28 y	31:36	1.46	50.00	6.4	n
2,3,4,6,7,8-HxCDF	124008112	1.29 y	32:17	1.34	50.00	8.1	n
1,2,3,7,8,9-HxCDF	126966180	1.30 y	33:04	1.37	50.00	3.7	n
Total HxCDF	508562212	1.27 y	31:27	1.38	200.00	7.2	n
13C-1,2,3,6,7,8-HxCDD	137526176	1.31 y	32:32	0.75	100.00	3.1	n
1,2,3,4,7,8-HxCDD	76173372	1.27 y	32:27	1.11	50.00	14.2	n
1,2,3,6,7,8-HxCDD	80348800	1.33 y	32:33	1.17	50.00	10.4	n
1,2,3,7,8,9-HxCDD	96764132	1.30 y	32:51	1.41	50.00	10.3	n
Total HxCDD	253286304	1.27 y	32:27	1.23	150.00	11.5	n
13C-1,2,3,4,6,7,8-HpCDF	181423140	0.43 y	34:36	1.00	100.00	15.7	n
1,2,3,4,6,7,8-HpCDF	117353596	1.06 y	34:37	1.29	50.00	0.6	n
1,2,3,4,7,8,9-HpCDF	96108680	1.07 y	35:54	1.06	50.00	-6.7	n
Total HpCDF	213462276	1.06 y	34:37	1.18	100.00	-2.8	n
13C-1,2,3,4,6,7,8-HpCDD	142454888	1.07 y	35:32	0.78	100.00	3.9	n
1,2,3,4,6,7,8-HpCDD	75491168	1.09 y	35:33	1.06	50.00	6.2	n
Total HpCDD	75795893	1.08 y	34:54	1.06	50.00	6.2	n
13C-OCDD	194713240	0.91 y	38:19	0.53	200.00	-5.4	n
OCDF	161605984	0.90 y	38:27	1.66	100.00	15.5	n
OCDD	117657312	0.91 y	38:19	1.21	100.00	8.9	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
06JA10A1D5	1	STO106	CS3 09DXN425				1.000	
06JA10A1D5	2	CP0106	DB-5 CPSM 3732-04				1.000	
06JA10A1D5	3	SB0106	Solvent Blank C-14				1.000	
06JA10A1D5	4	LRQ9P-1-AAB	G9L310000-111 (520-3MB)	10	8290/WATER	78	1.000	L
06JA10A1D5	5	LRQ9P-1-ACC	G9L310000-111 (520-3LCS)	10	8290/WATER		1.000	L
06JA10A1D5	6	LQ9FQ-1-AA	G9L170538-17	10	8290/WATER		0.932	L
06JA10A1D5	7	LQ9FR-1-AA	G9L170538-18	10	8290/WATER		1.028	L
06JA10A1D5	8	LRTM9-1-ACC	G0A040000-196 (490-1LCS)	10	8290/WATER	81	1.000	L
06JA10A1D5	9	LRTM9-1-AAB	G0A040000-196 (490-1MB)	10	8290/WATER		1.000	L
06JA10A1D5	10	LQ9FQ-1-AA	G9L240493-3	10	8290/WATER		1.003	L
06JA10A1D5	11	LRP3D-1-ACC	G9L300000-154 (584-1LCS)	10 20	8290/WATER	79	1.000	L
06JA10A1D5	12	LRP3D-1-AAB	G9L300000-154 (584-1MB)	10 20	8290/WATER		1.000	L
06JA10A1D5	13	LRDQ4-1-AA	G9L180646-11	10 20	8290/WATER		1.032	L
06JA10A1D5	14	SB0106A	Solvent Blank C-14	11/10 KSS			1.000	
06JA10A1D5	15	STO106A	CS3 09DXN425				1.000	
06JA10A1D5	16						1.000	
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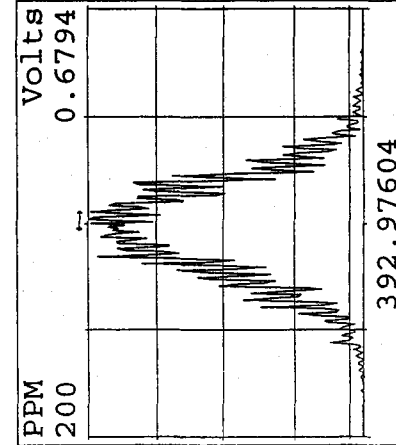
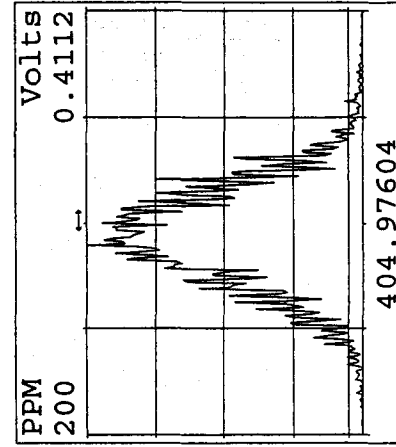
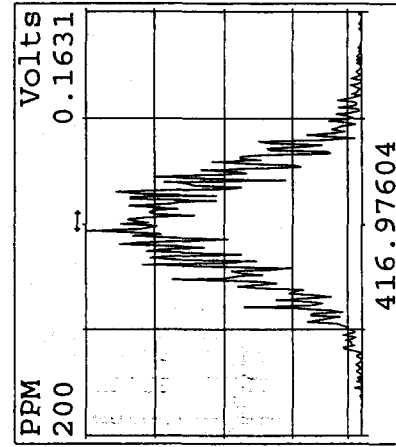
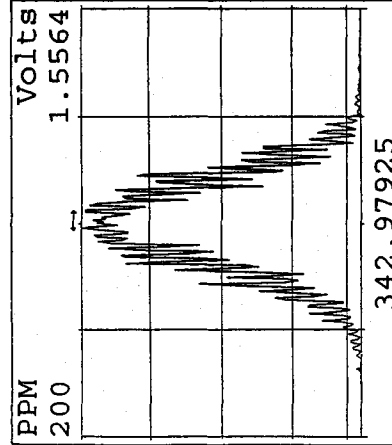
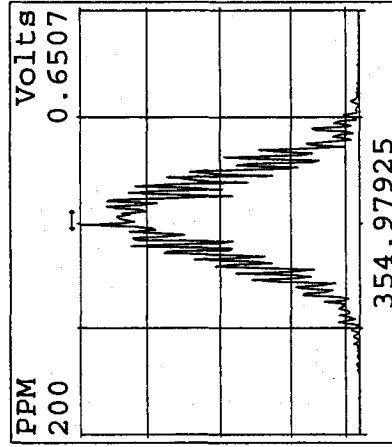
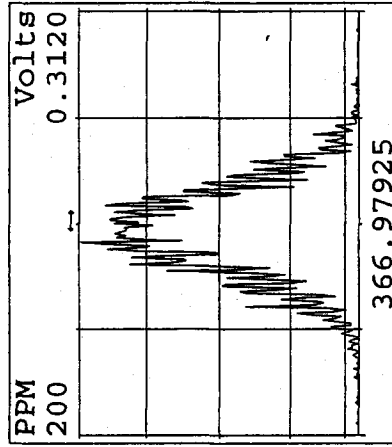
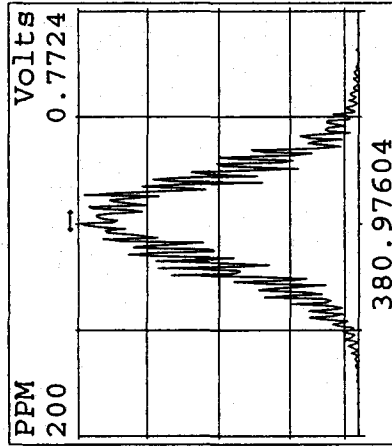
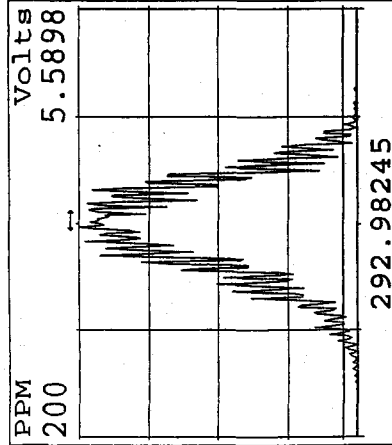
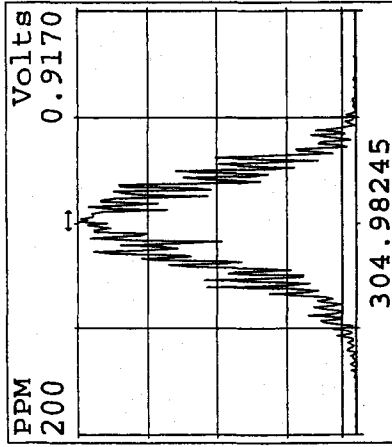
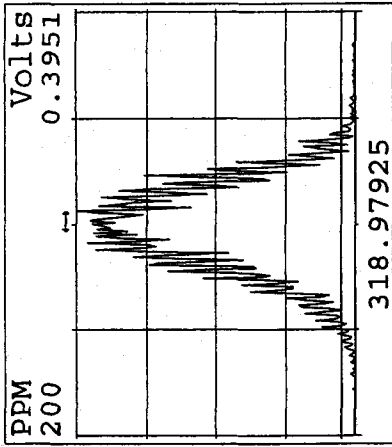
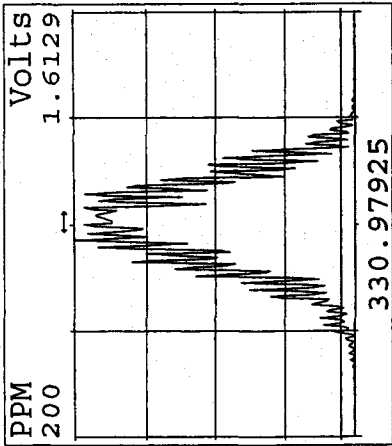
AM, KSS 01/06/10

Logfile checked

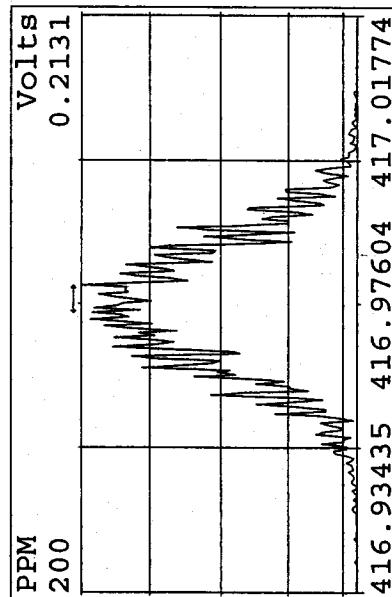
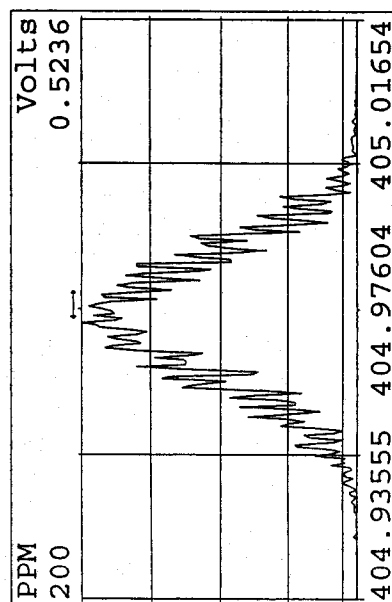
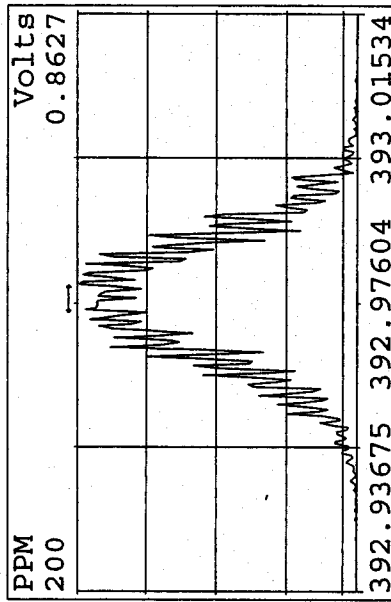
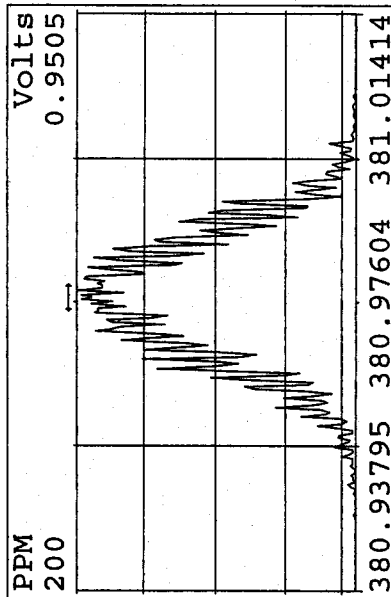
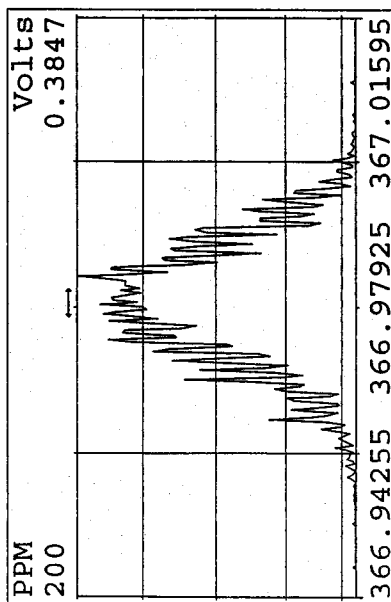
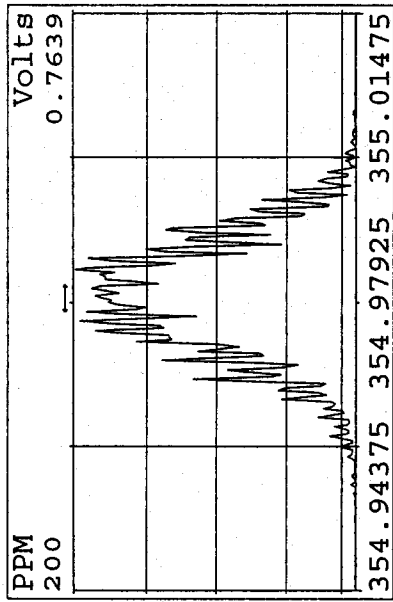
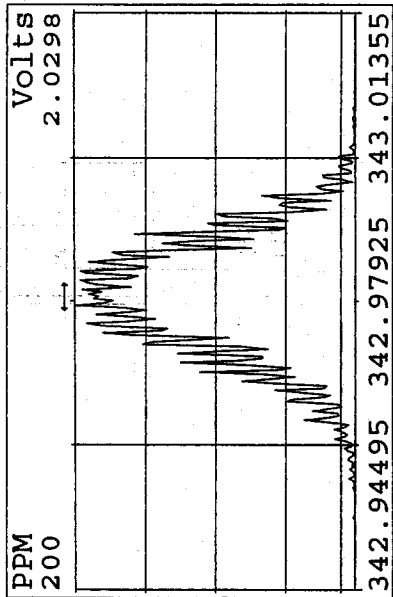
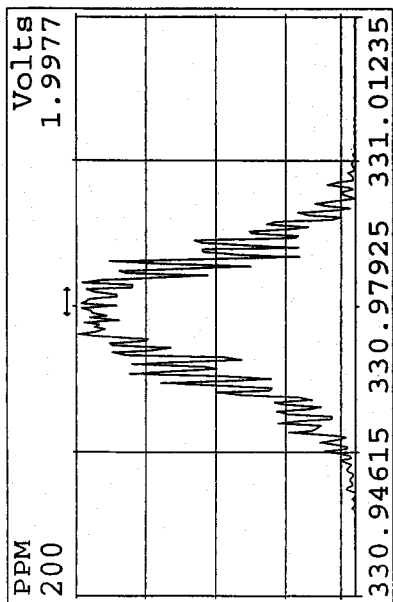
01-07-10

SMA

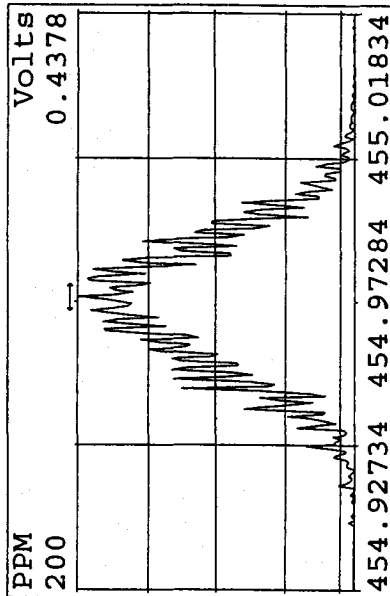
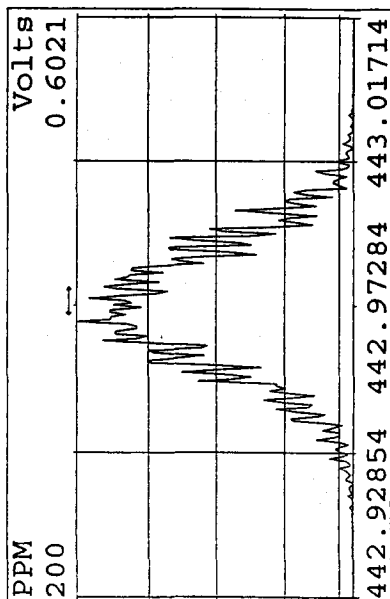
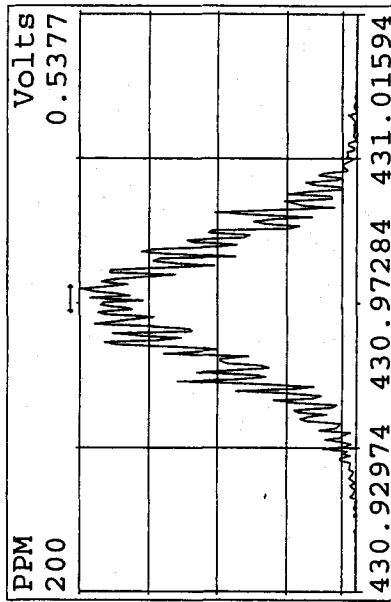
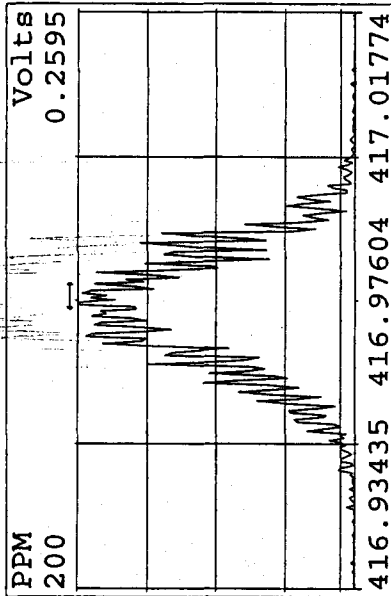
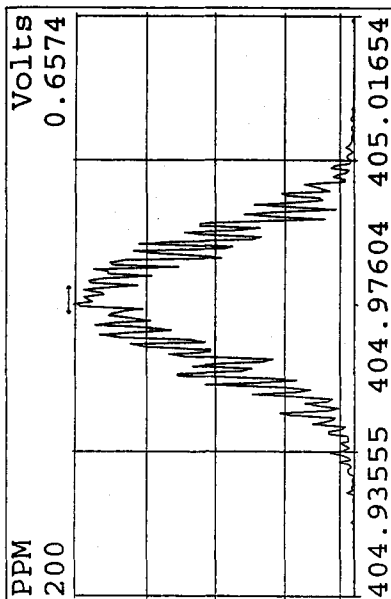
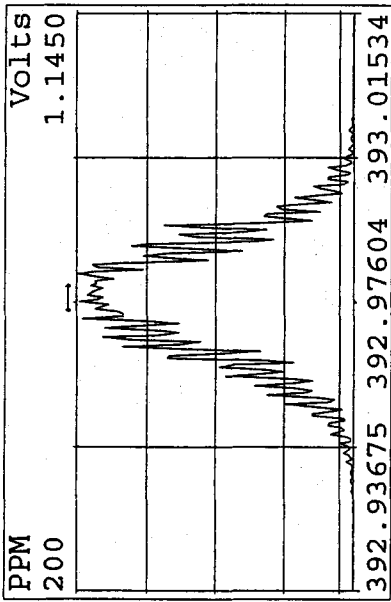
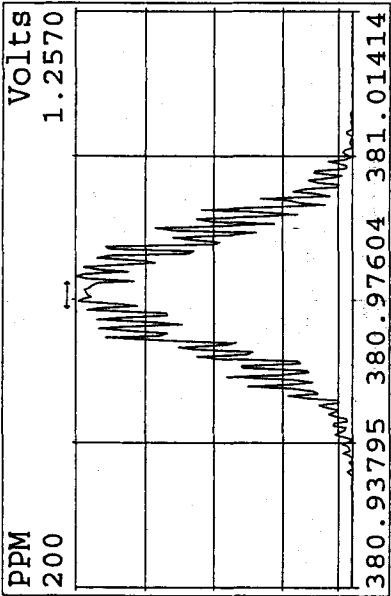
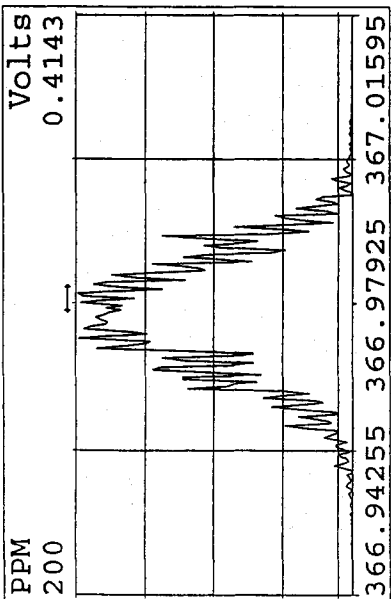
Peak Locate Examination: 6-JAN-2010:22:03 File:06JA10A1D5  
 Experiment:DIOXIN Function:1 Reference:PFK



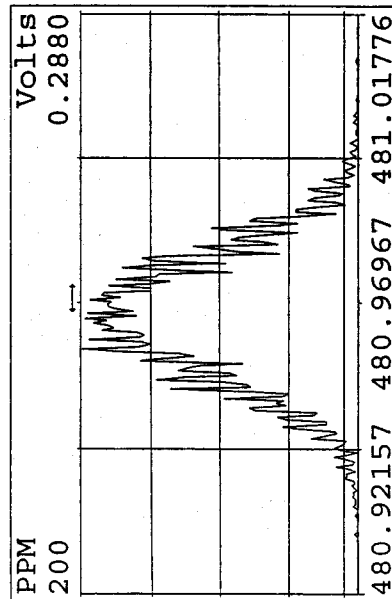
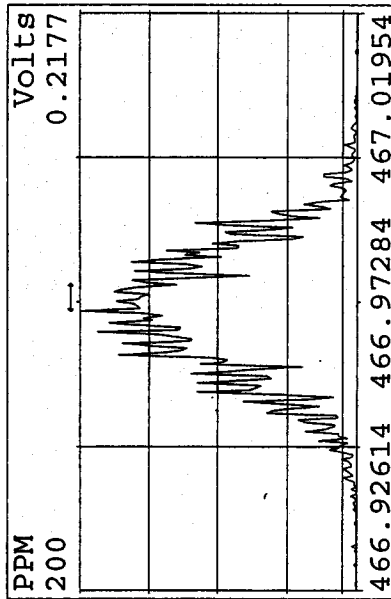
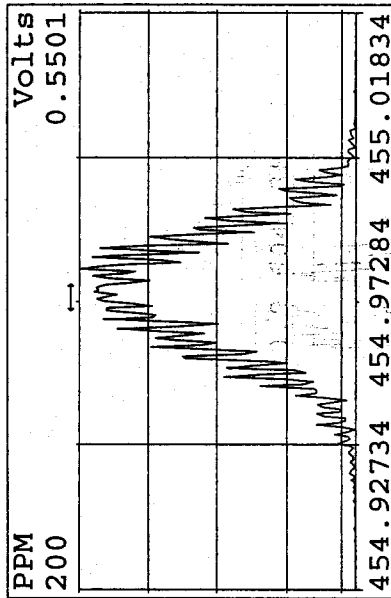
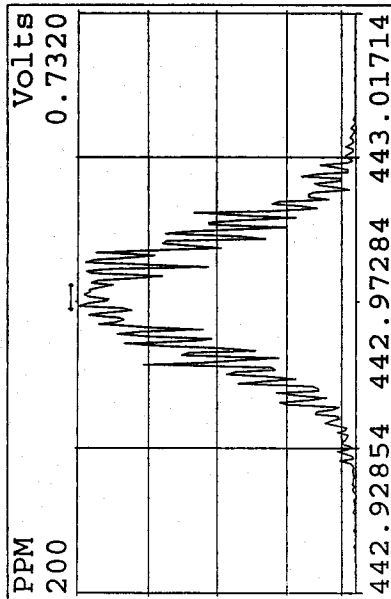
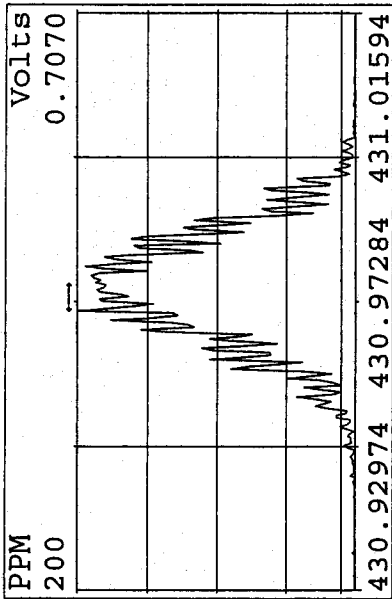
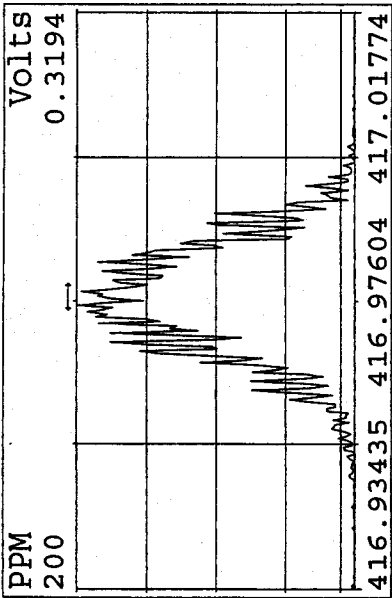
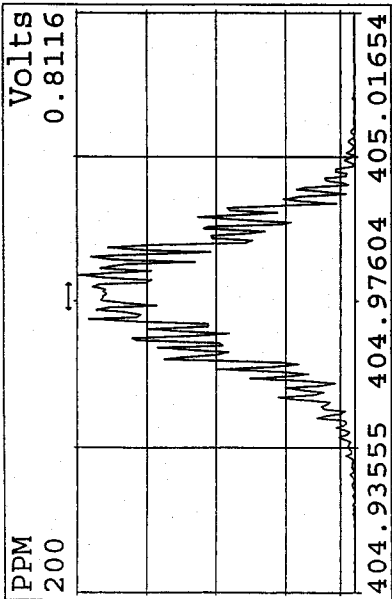
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 Experiment:DIOXIN Function:2 Reference:PFK



Peak Locate Examination: 6-JAN-2010:22:05 File:06JA10A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK

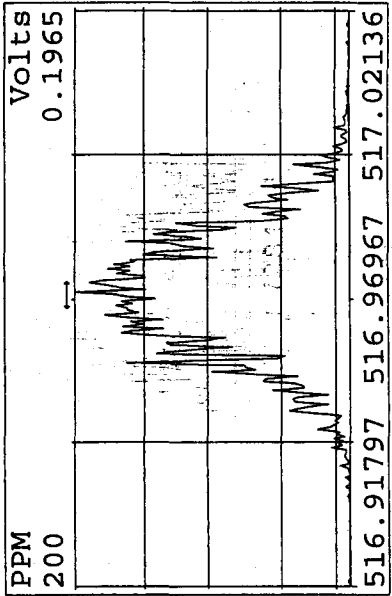
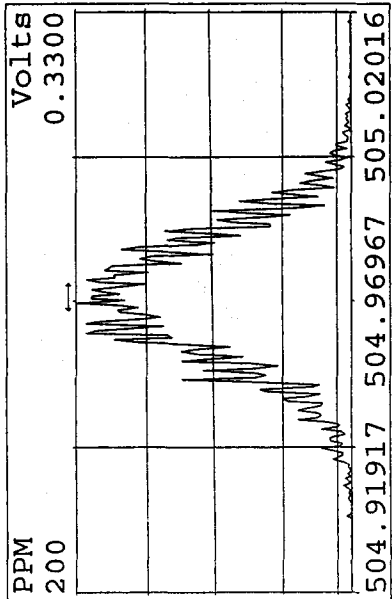
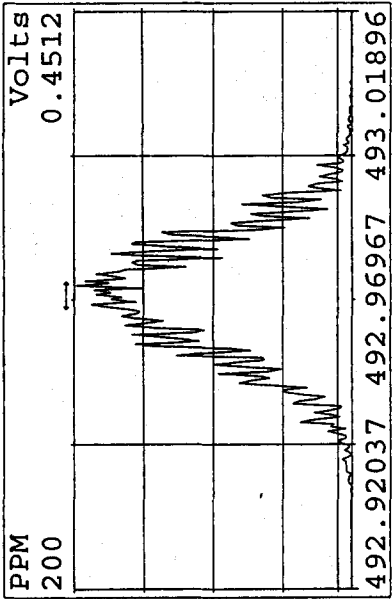
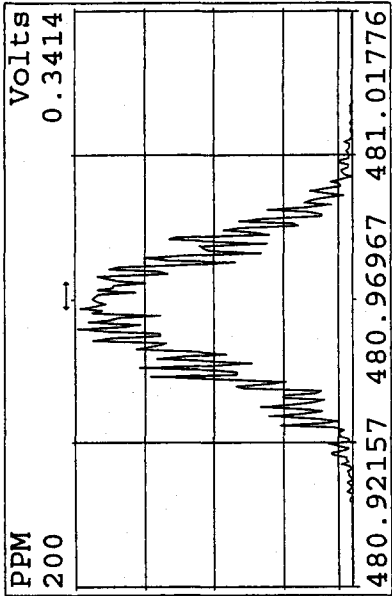
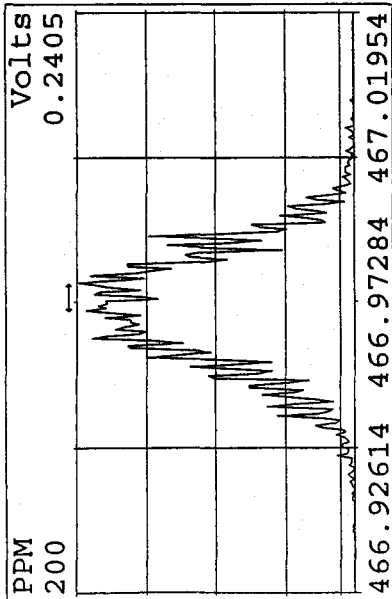
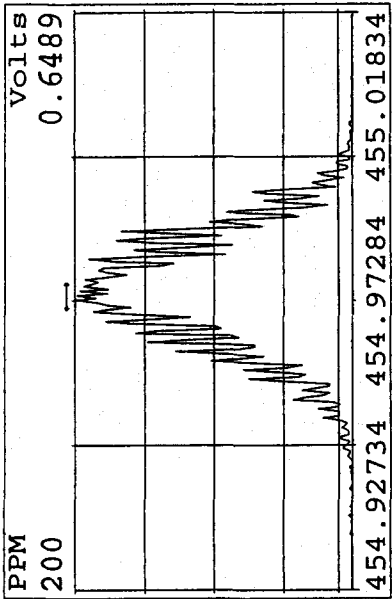
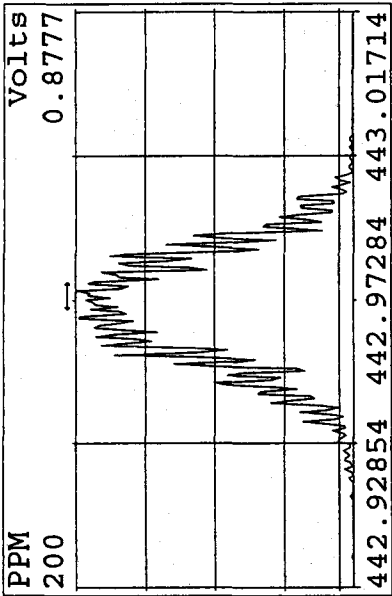
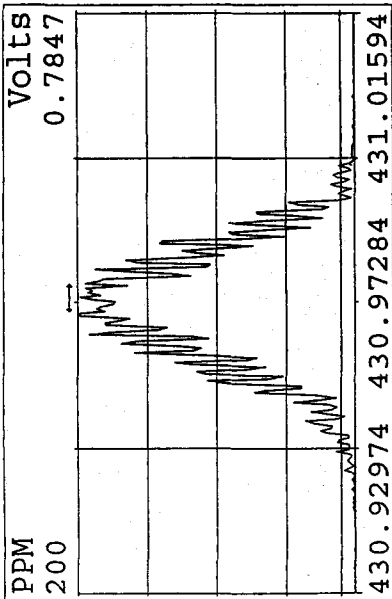


Peak Locate Examination: 6-JAN-2010:22:08 File:06JA10A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK

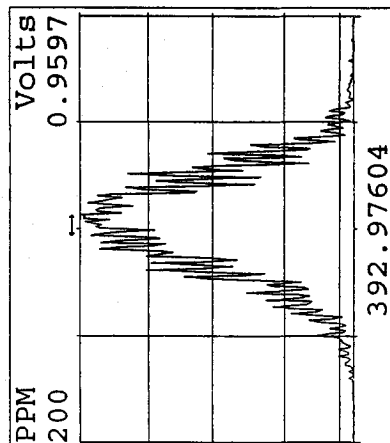
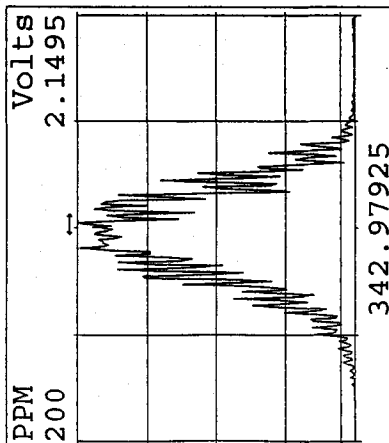
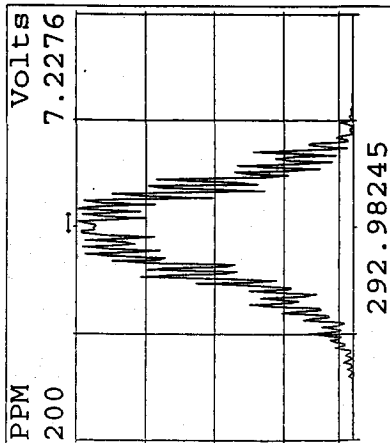
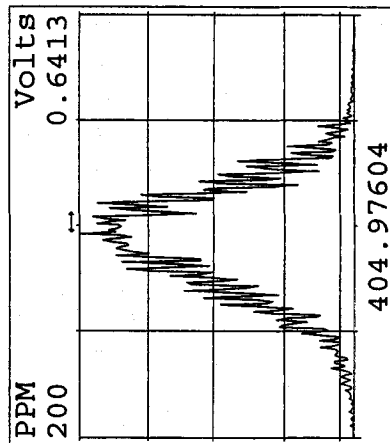
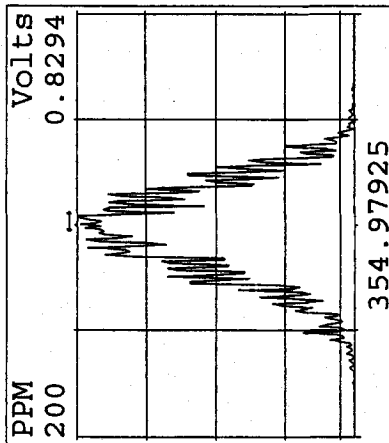
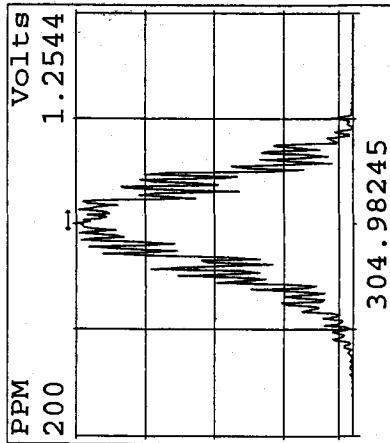
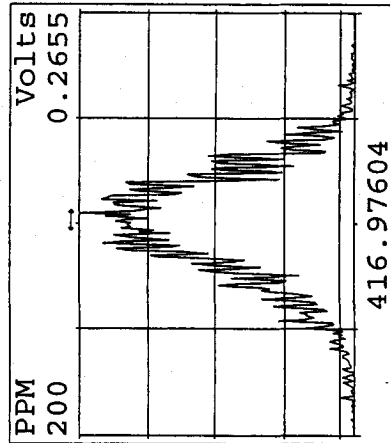
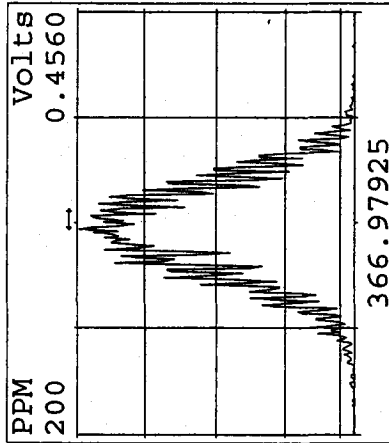
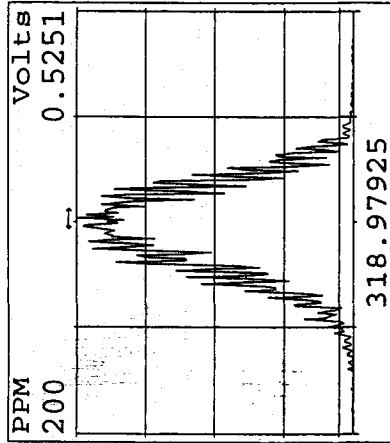
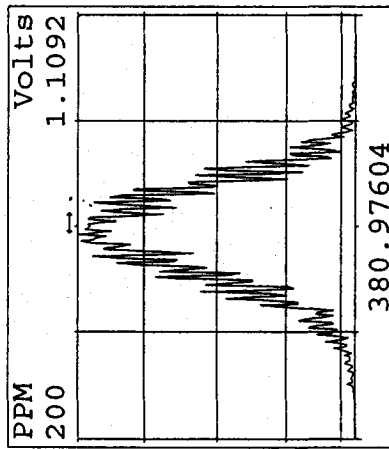
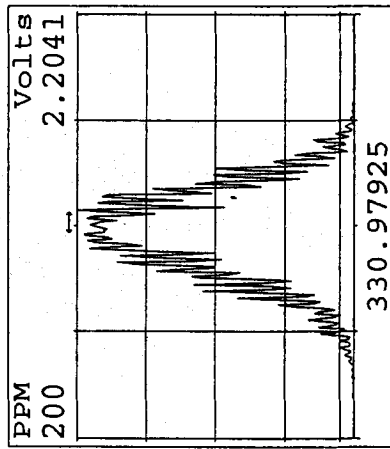




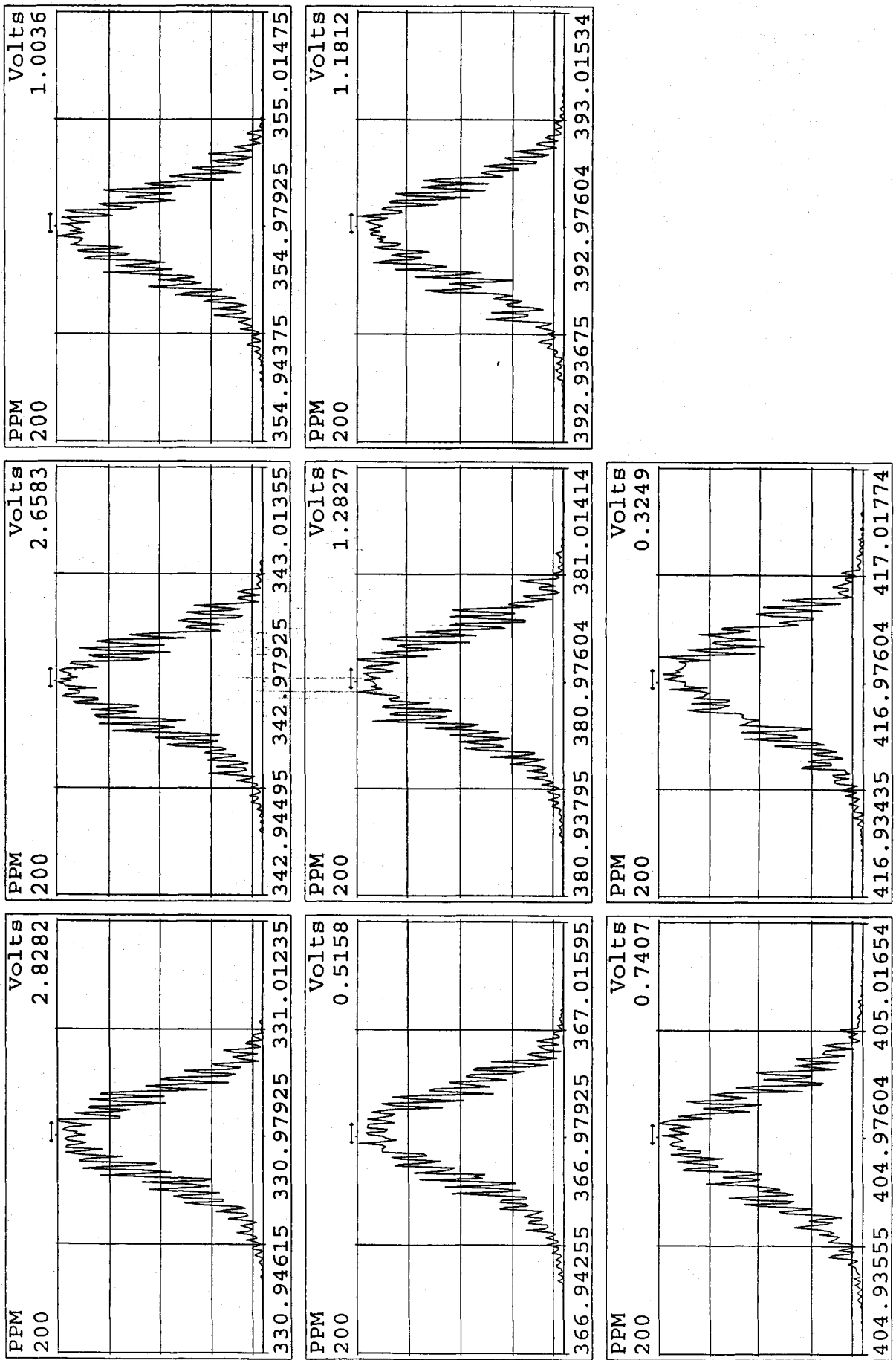
Peak Locate Examination: 6-JAN-2010:22:08 File:06JA10A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK



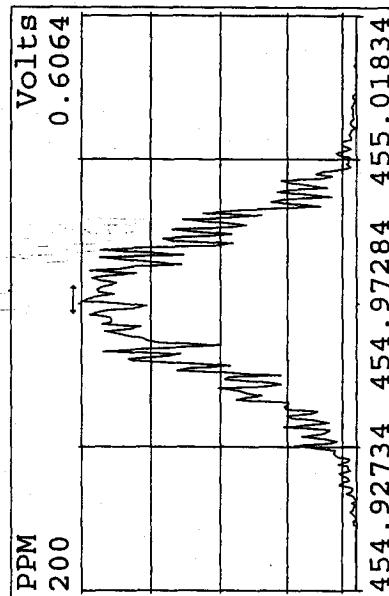
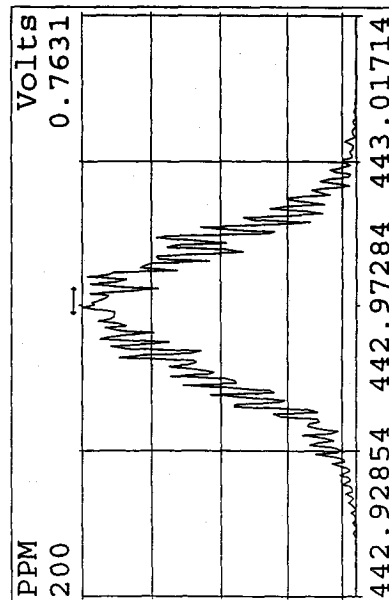
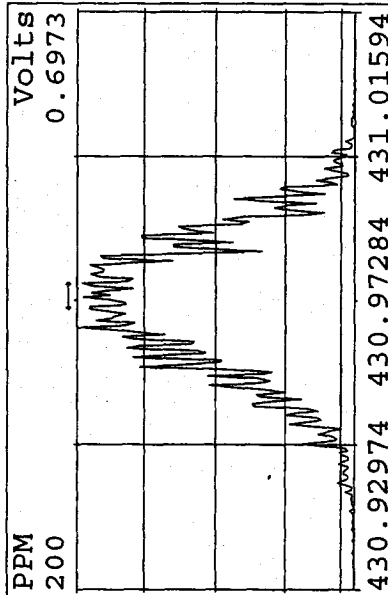
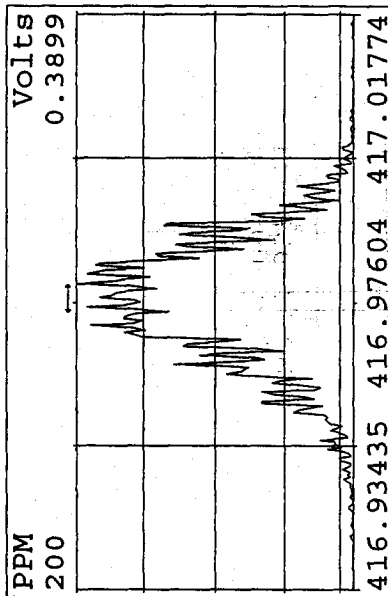
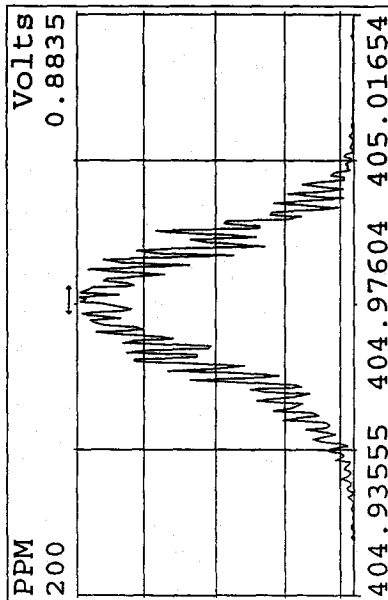
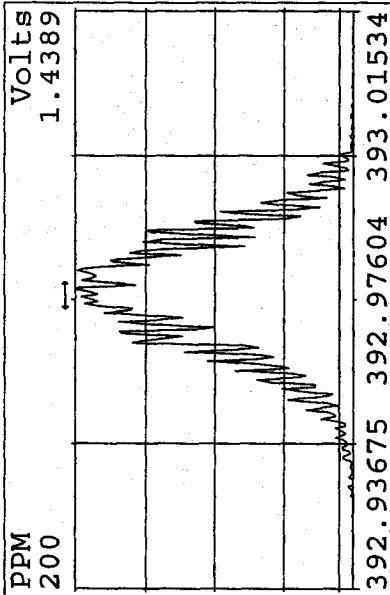
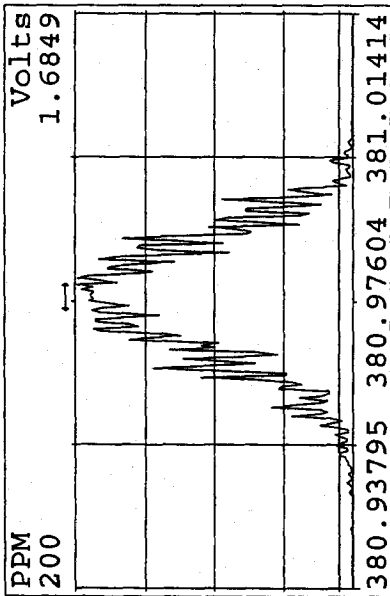
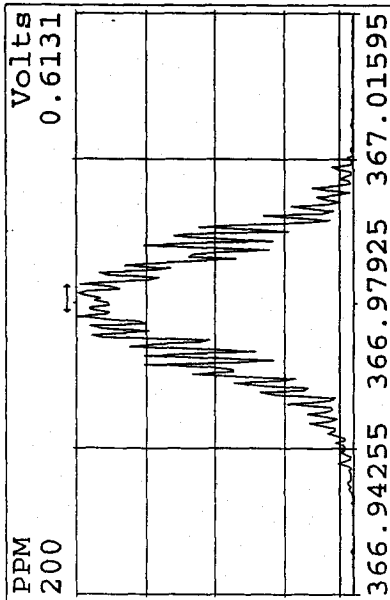
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Experiment:DIOXIN Function:1 Reference:PFK



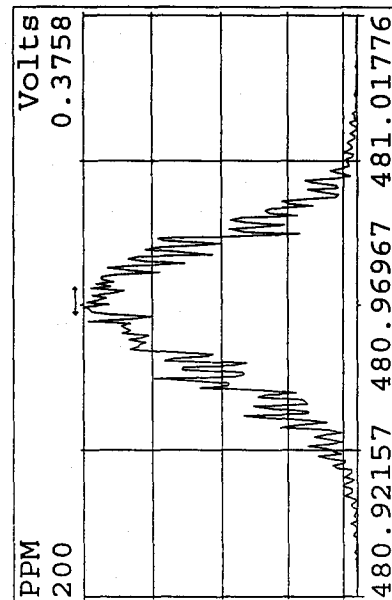
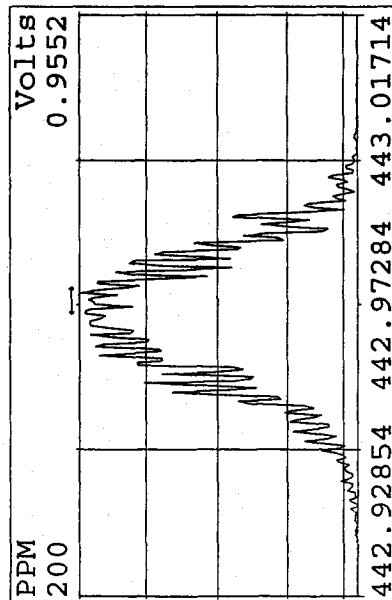
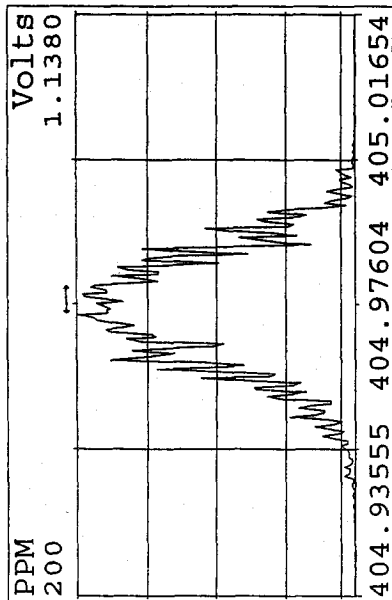
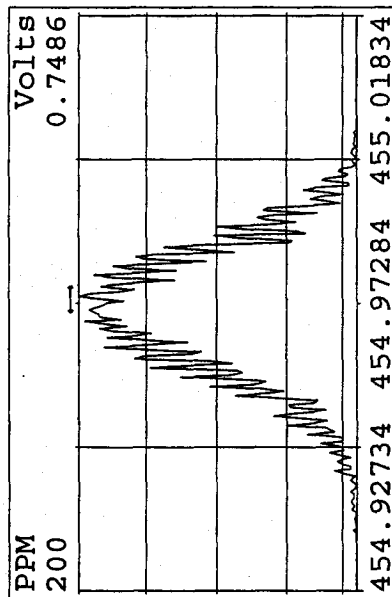
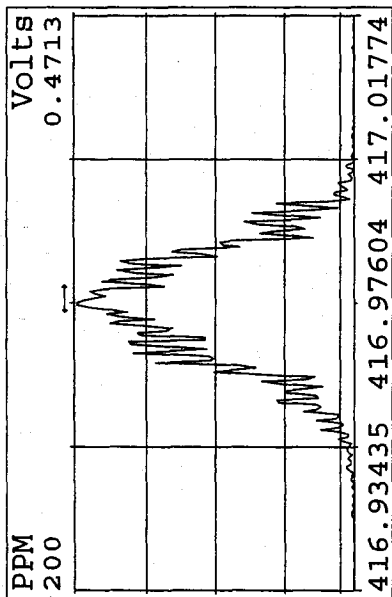
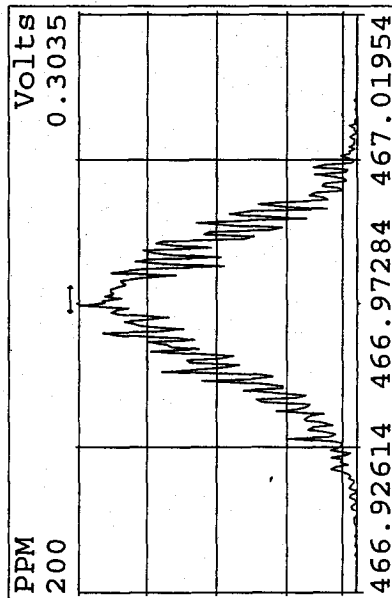
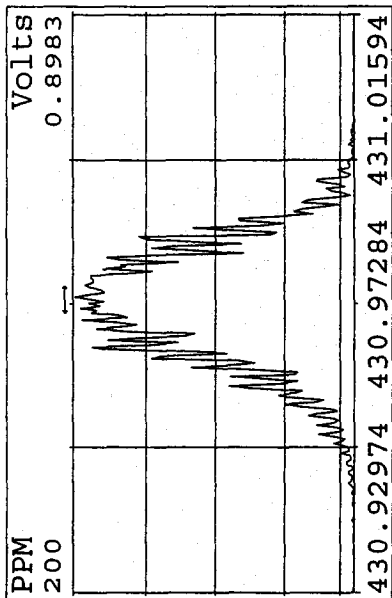
Peak Locate Examination: 7-JAN-2010:08:38 File:ENDRES06JA10A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



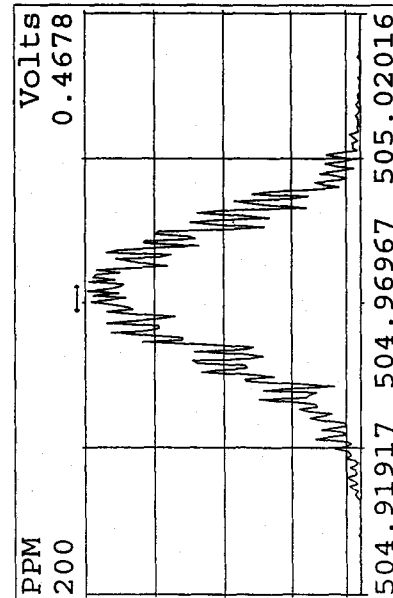
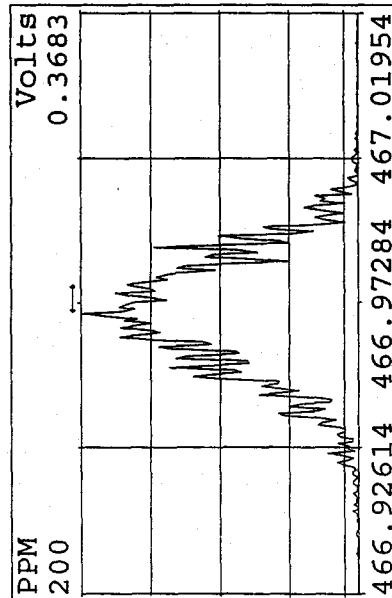
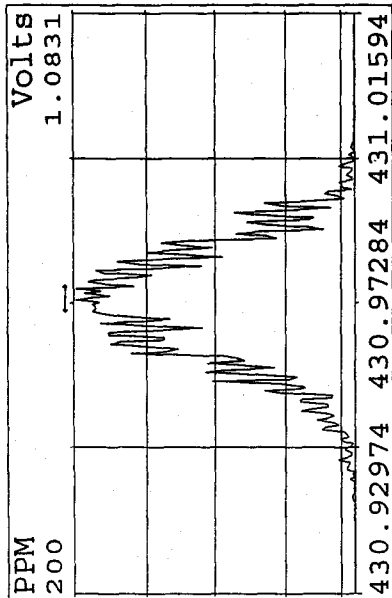
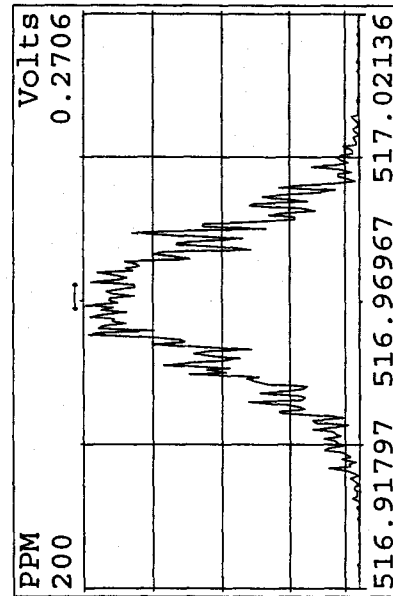
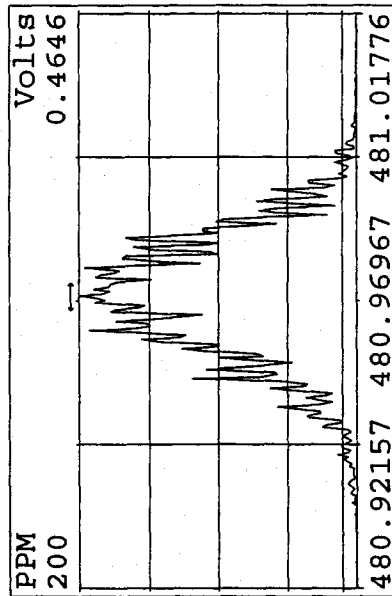
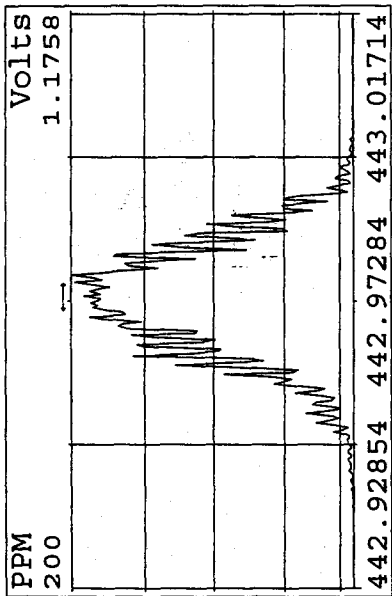
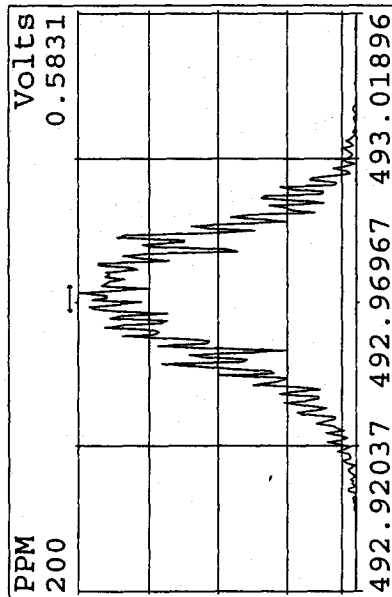
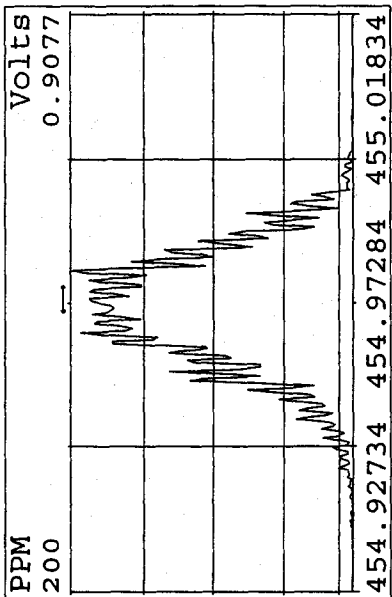
Peak Locate Examination: 7-JAN-2010:08:39 File:ENDRES06JA10A1D5  
Experiment:DIOXIN Function:3 Reference:PFK



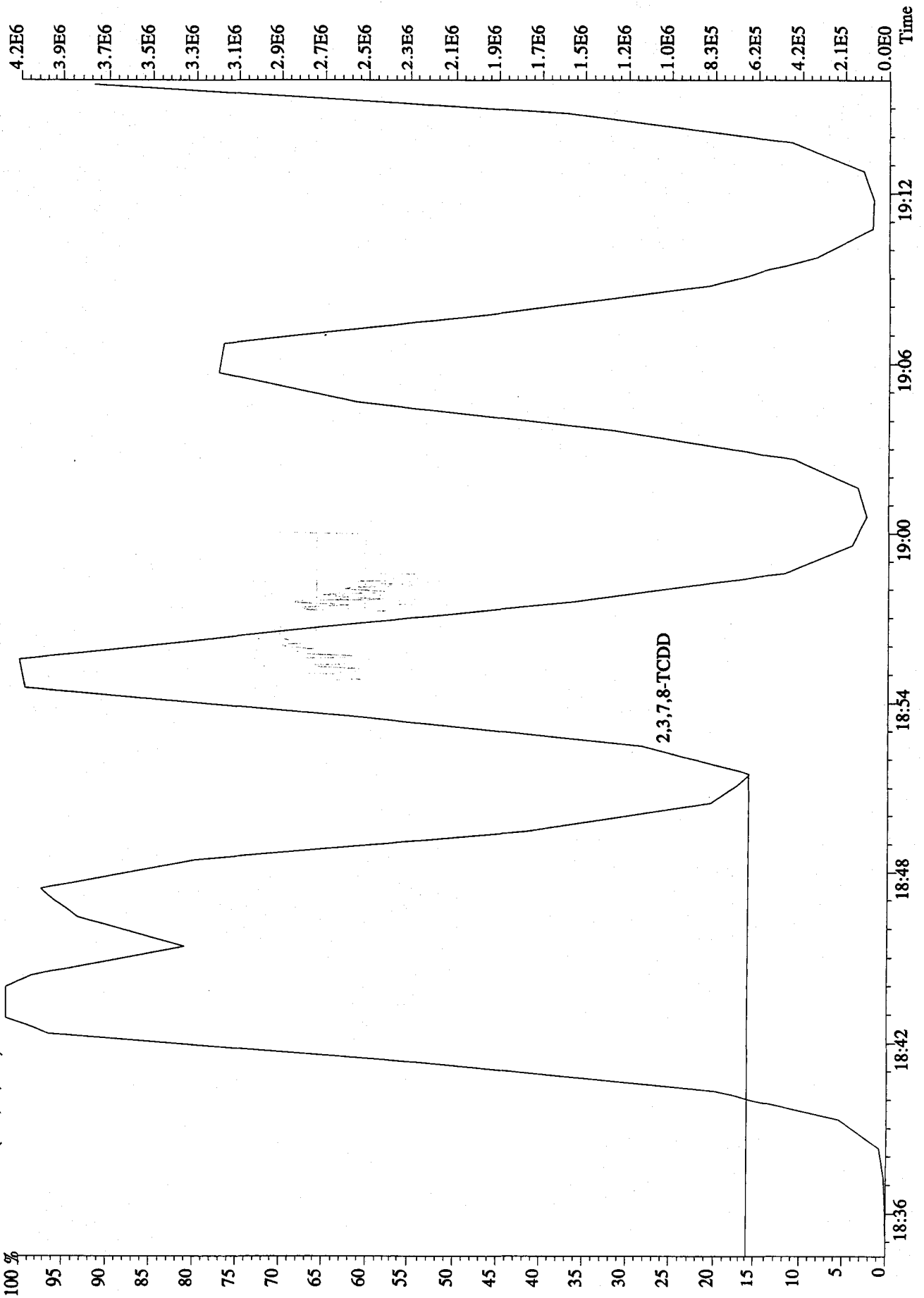
Peak Locate Examination: 7-JAN-2010:08:39 File:ENDRES06JA10A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 7-JAN-2010:08:40 File:ENDRES06JA10A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK



File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
319.8965 S:2 BSUB(128,15,-3.0)



Run: 06JA10A1D5 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

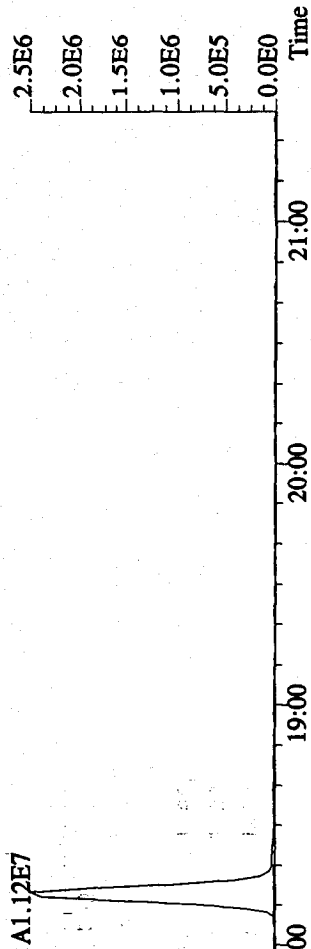
Name	Mean	S. D.	%RSD	S2	S3	S4	S5	S6
			%	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	-	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	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



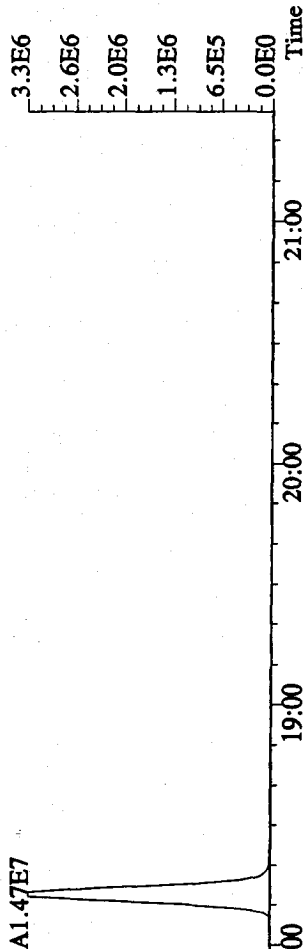
1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
3C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	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

1.01  
1.19  
1.02  
0.85  
1.18  
1.00  
1.09  
0.74  
0.88  
0.54  
1.30  
0.98  
0.58  
1.16  
0.96  
0.039  
0.202  
0.128  
6.86 %  
14.1 %  
11.5 %  
6.08 %  
12.2 %  
12.2 %  
6.38 %  
10.8 %  
13.3 %  
11.9 %  
15.9 %  
19.0 %  
11.2 %  
1.058  
1.275  
1.101  
0.860  
1.287  
1.135  
1.211  
0.752  
0.998  
0.998  
0.564  
1.437  
1.110

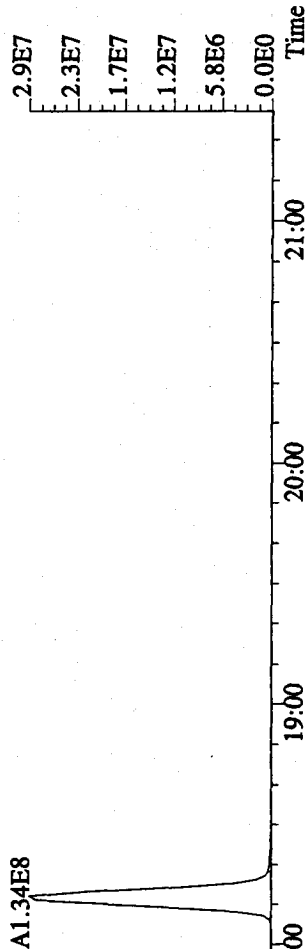
File:061A10A1D5 #1-410 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6592.0,1.00%,F,T)



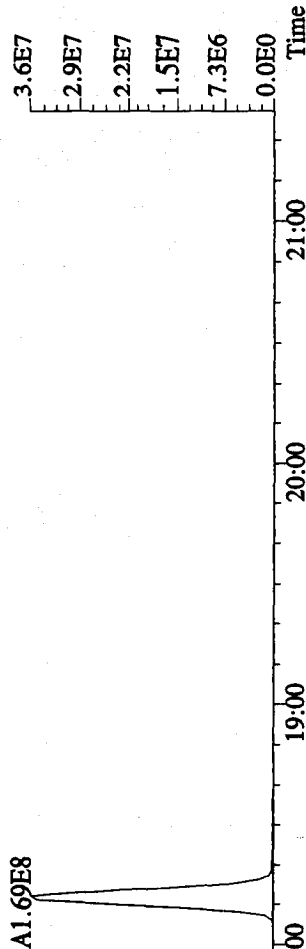
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8456.0,1.00%,F,T)



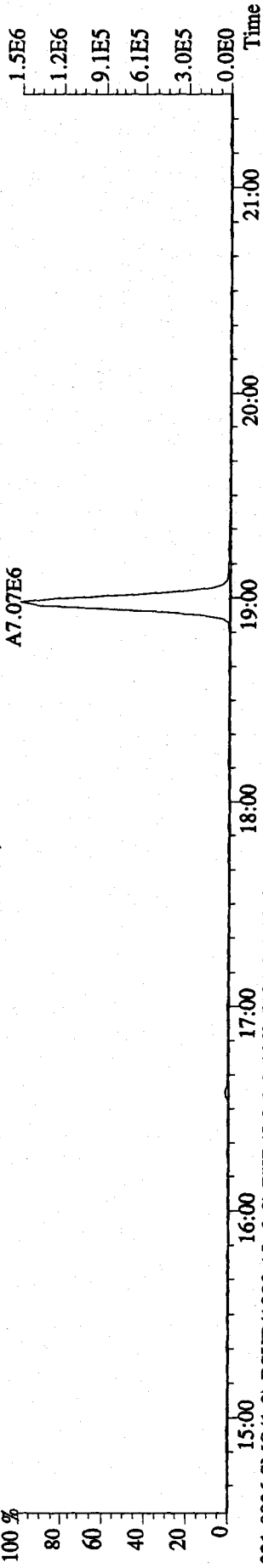
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10564.0,1.00%,F,T)



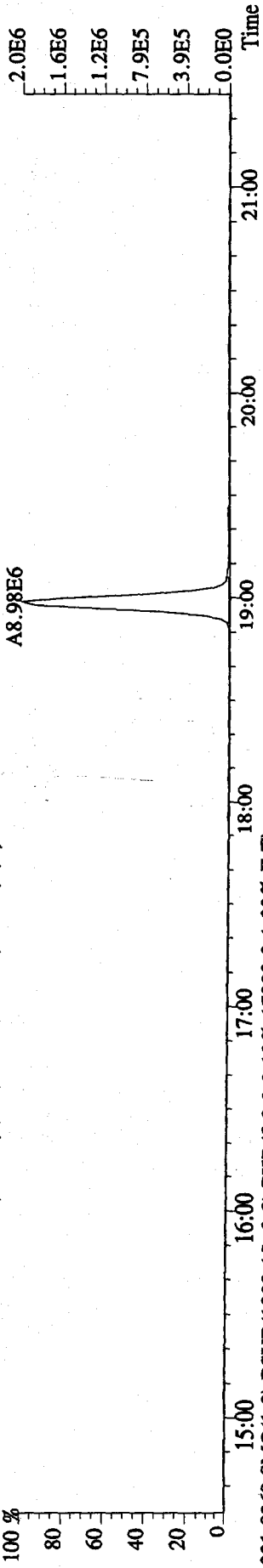
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12156.0,1.00%,F,T)



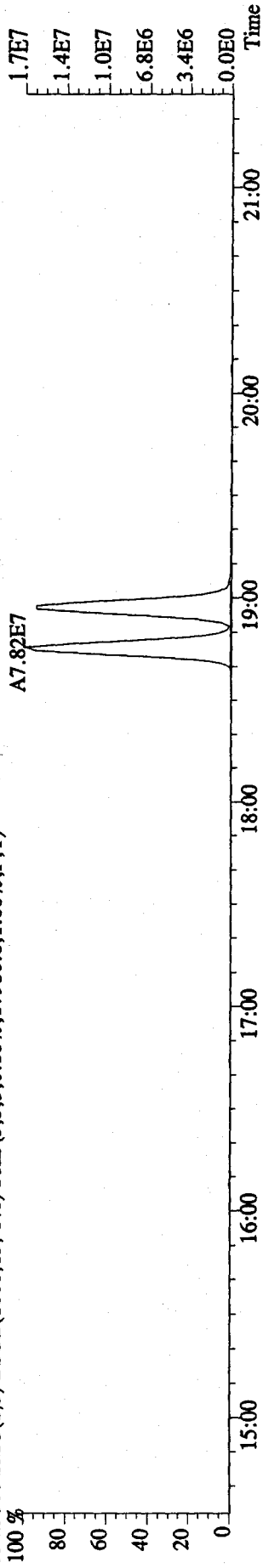
File:06IA10A1D5 #1-410 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5676.0,1.00%,F,T)



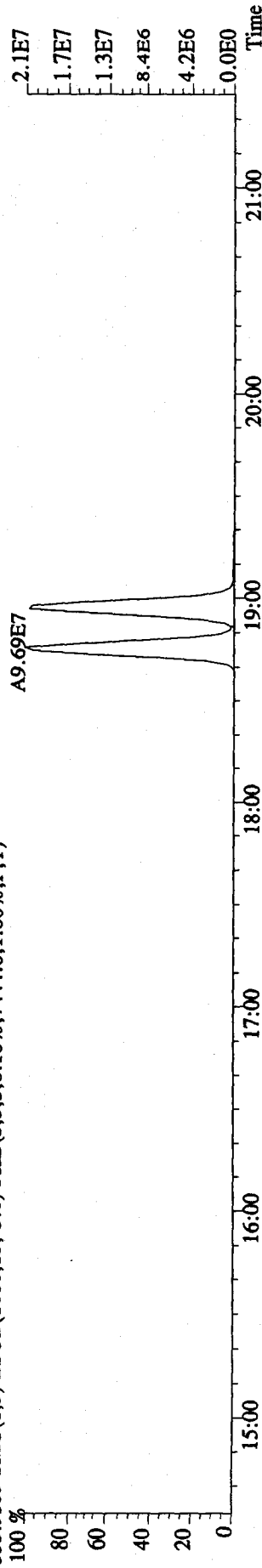
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5184.0,1.00%,F,T)



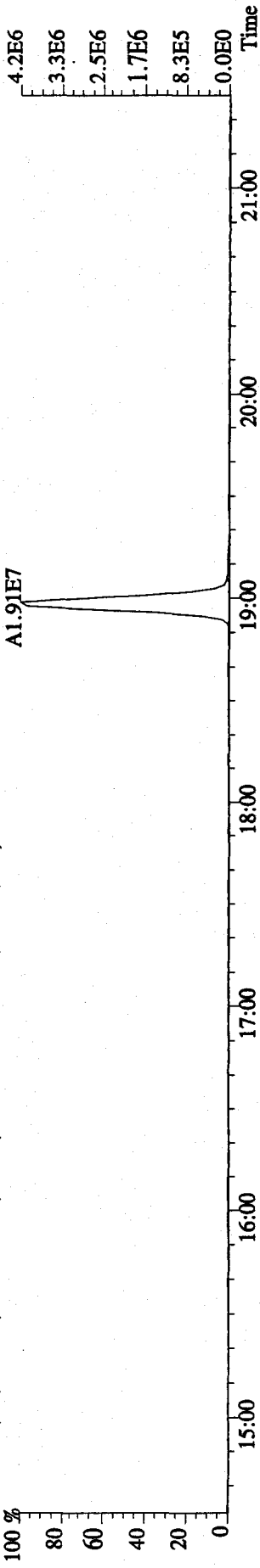
331.99368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17980.0,1.00%,F,T)



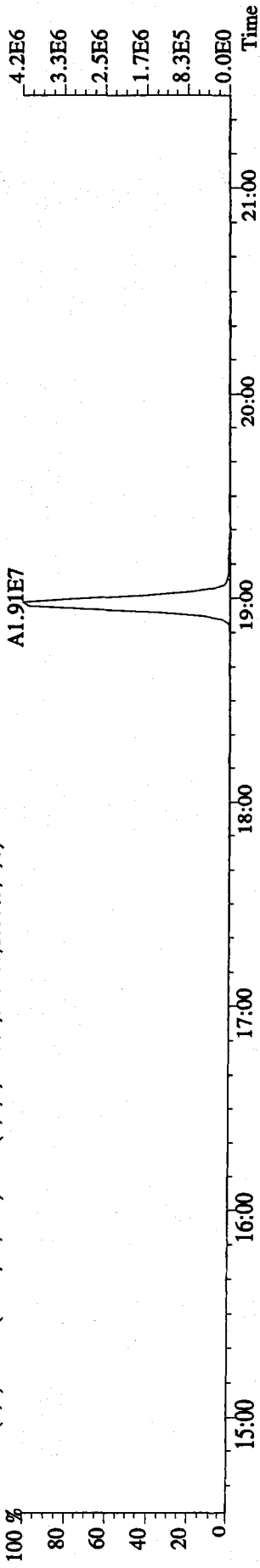
333.9939 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7444.0,1.00%,F,T)



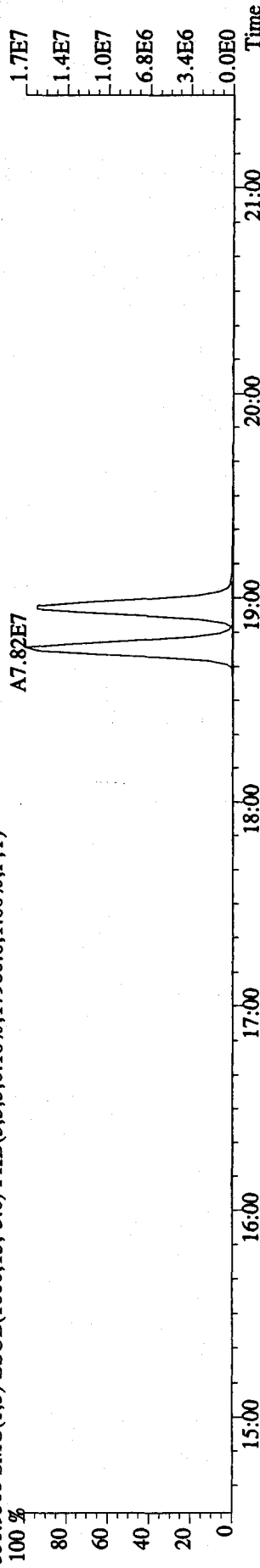
File:06JA10A1D5 #1-410 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3856.0,1.00%,F,T)



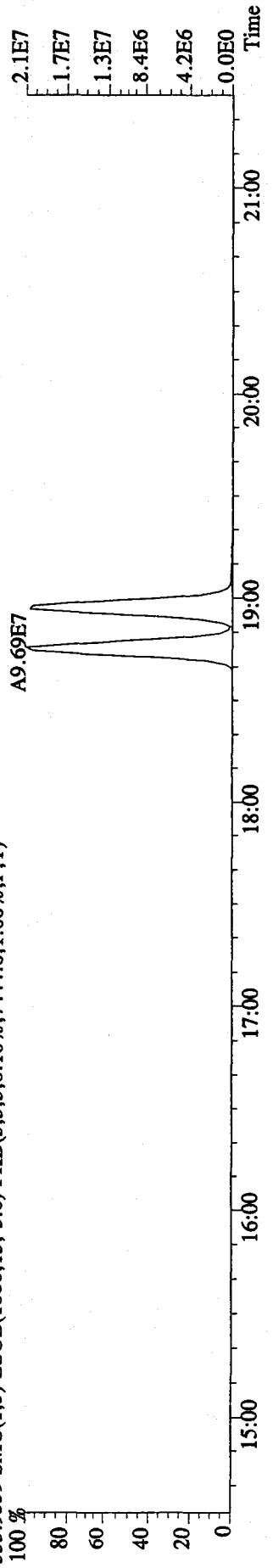
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3856.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17980.0,1.00%,F,T)



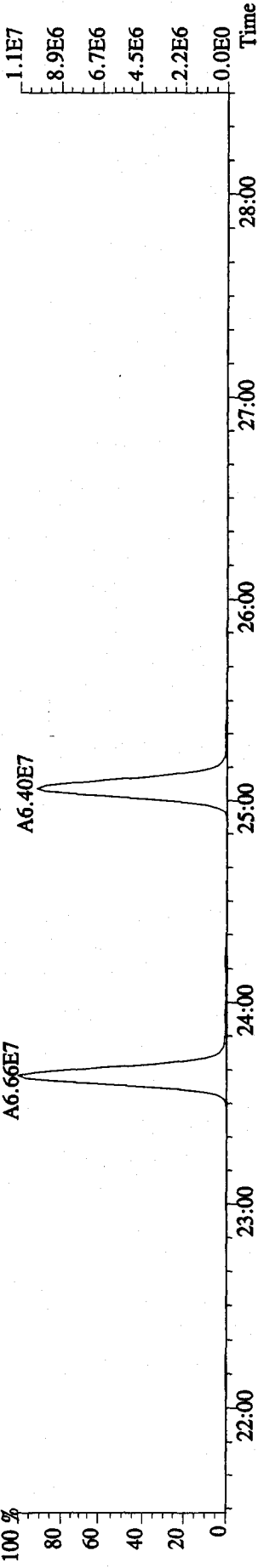
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7444.0,1.00%,F,T)



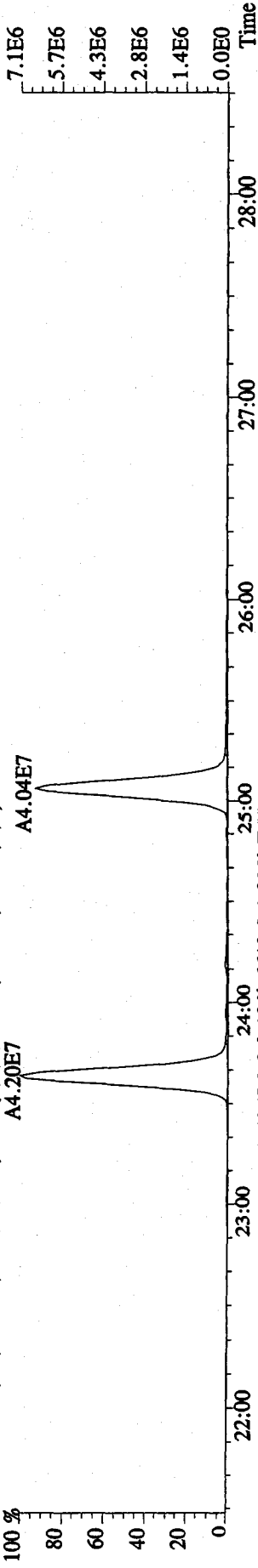
File:06JA10A1D5 #1-495 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN

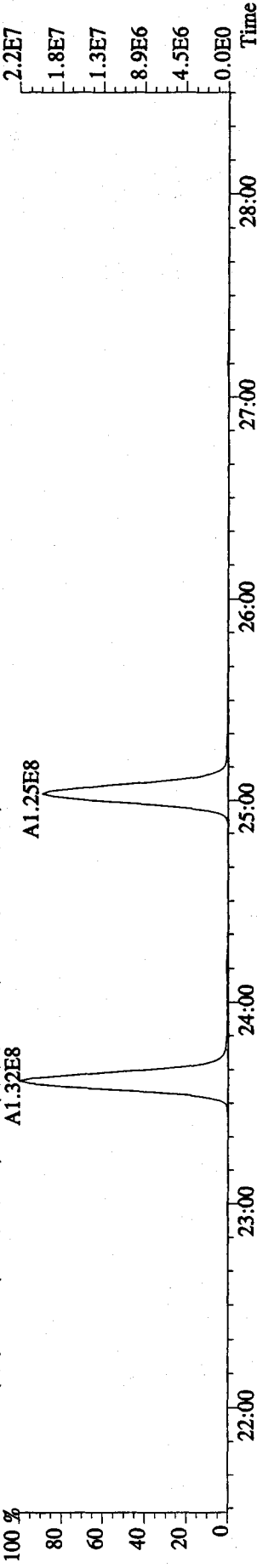
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7108.0,1.00%,F,T)



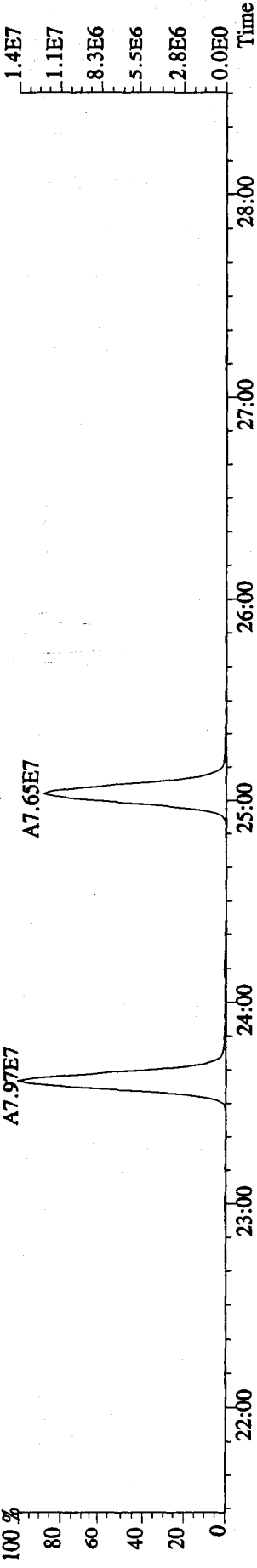
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9592.0,1.00%,F,T)



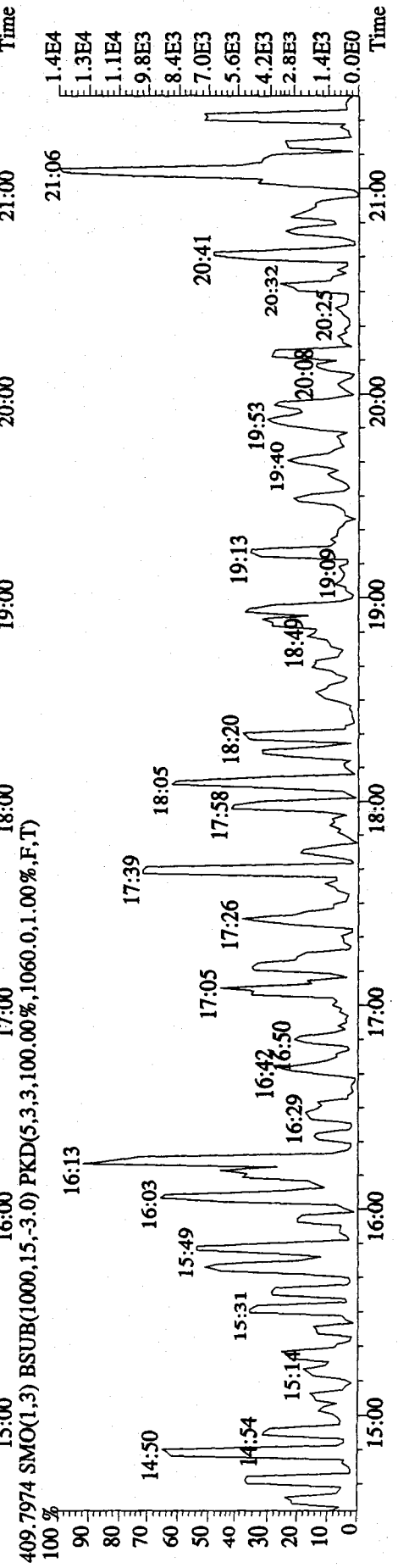
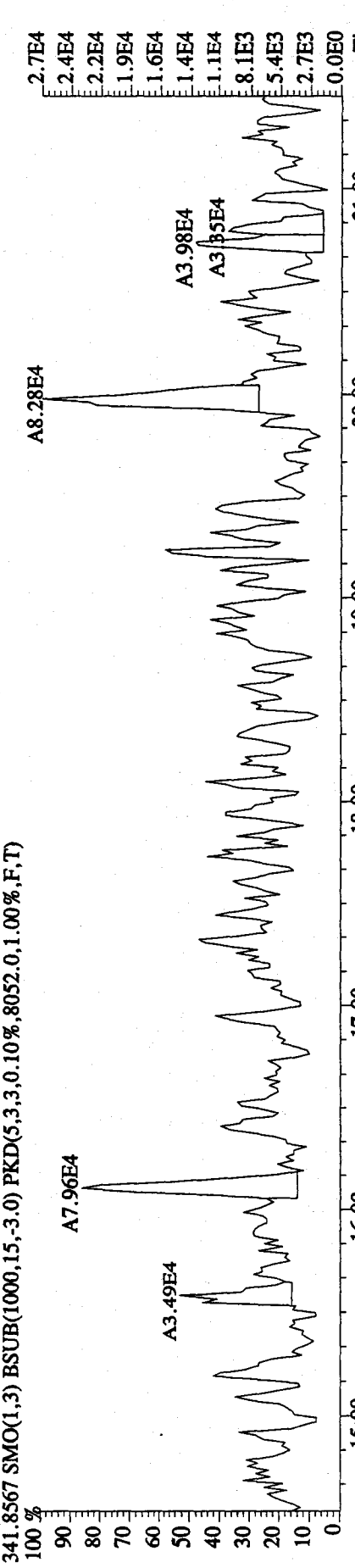
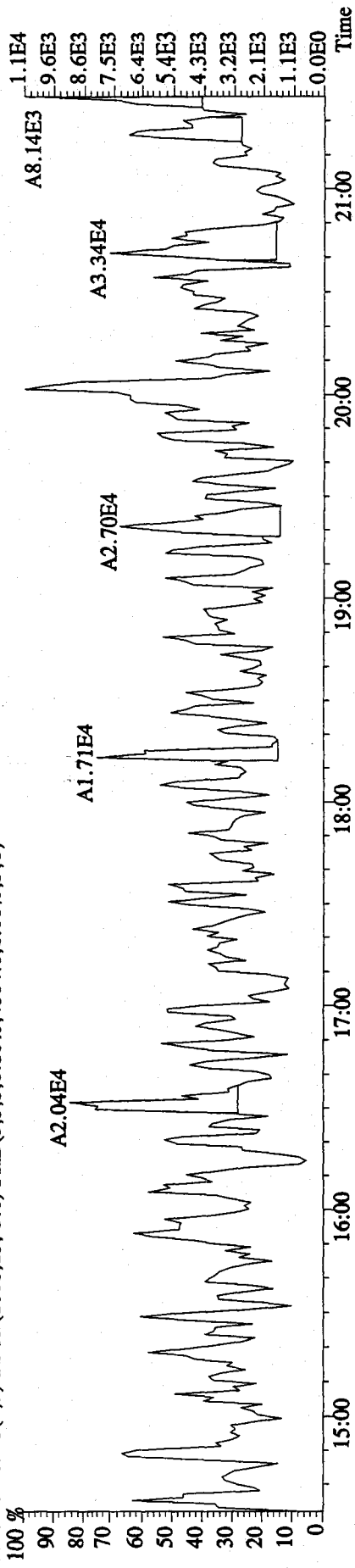
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6612.0,1.00%,F,T)



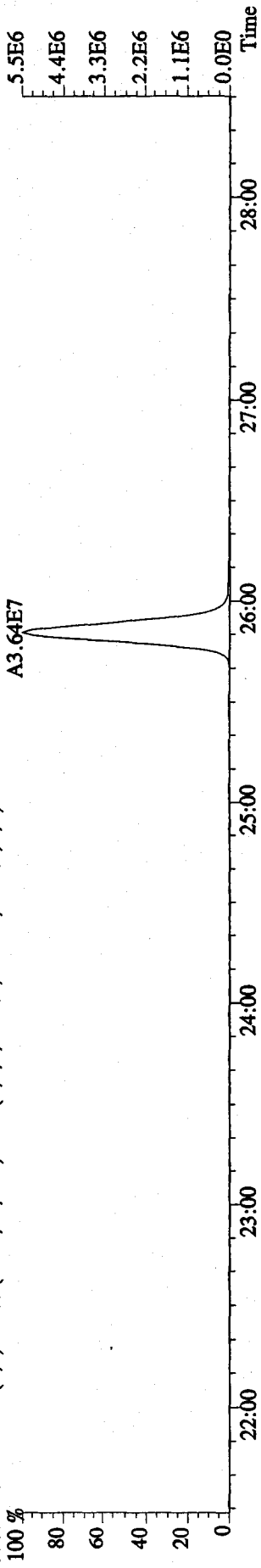
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11784.0,1.00%,F,T)



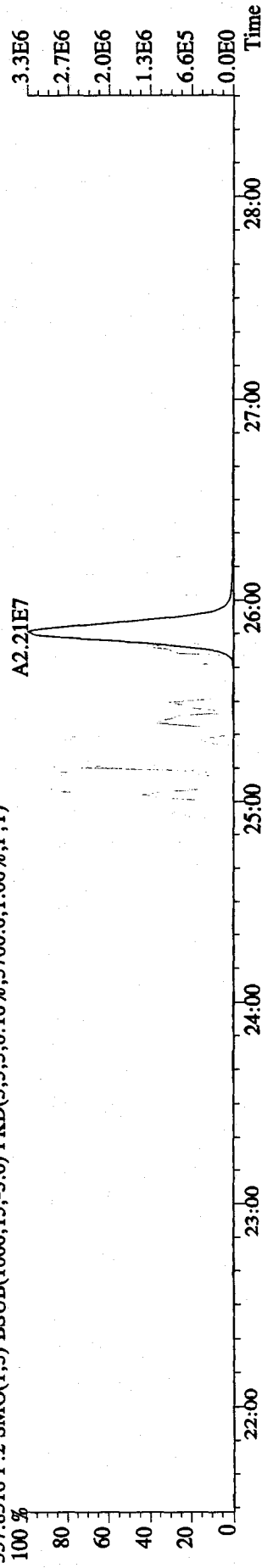
File:06JA10A1D5 #1-410 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 339.8597 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4304,0.1,0.00%,F,T)



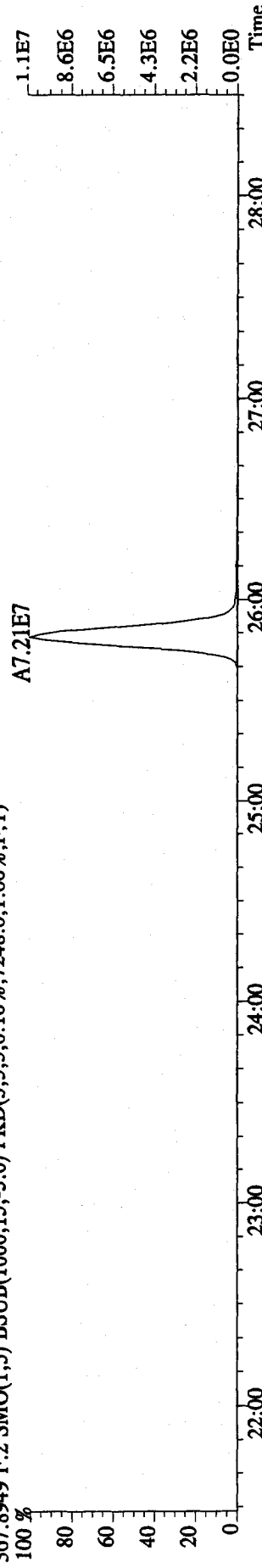
File:06JA10A1D5 #1-495 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7568.0,1.00%,F,T)



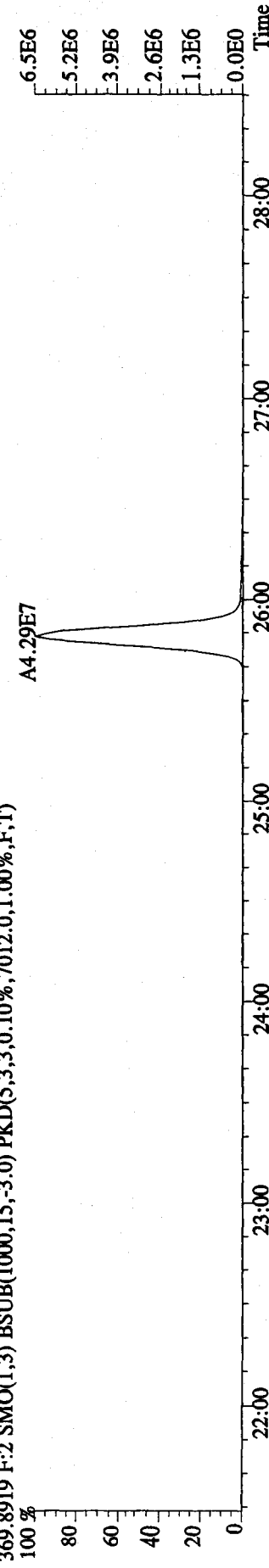
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3700.0,1.00%,F,T)



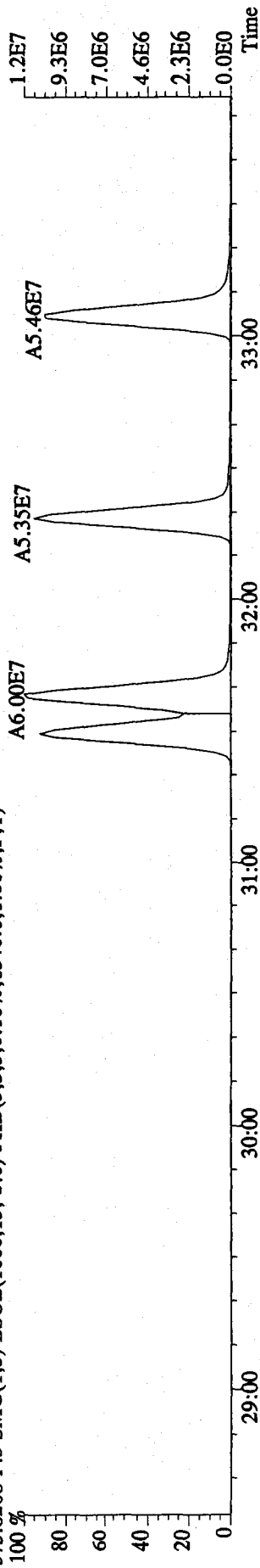
367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7248.0,1.00%,F,T)



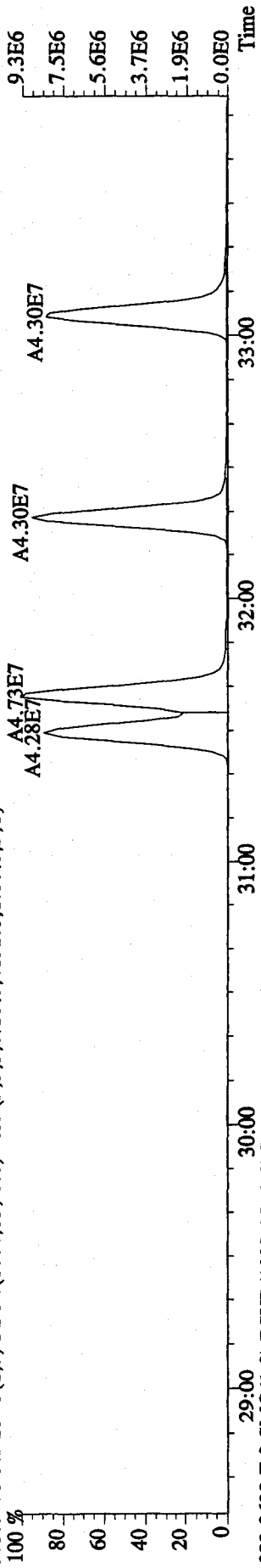
369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7012.0,1.00%,F,T)



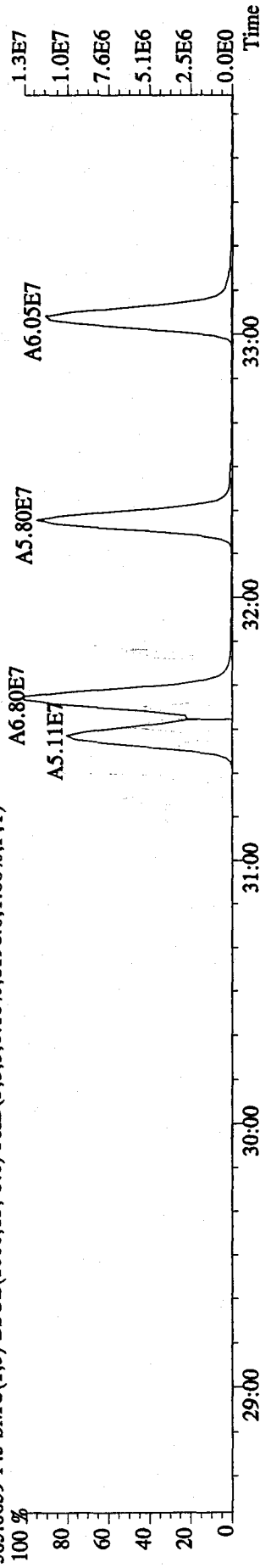
File:06JA10A1D5 #1-362 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6340.0,1.00%,F,T)



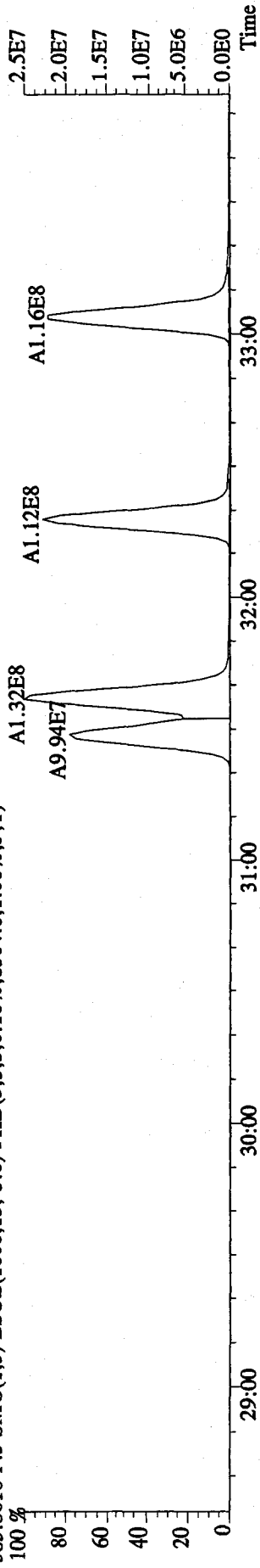
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4892.0,1.00%,F,T)



383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8196.0,1.00%,F,T)

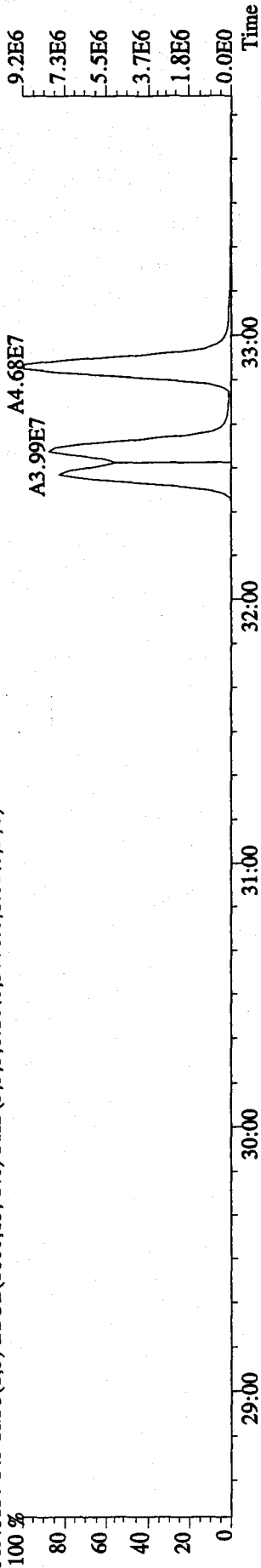


385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8504.0,1.00%,F,T)

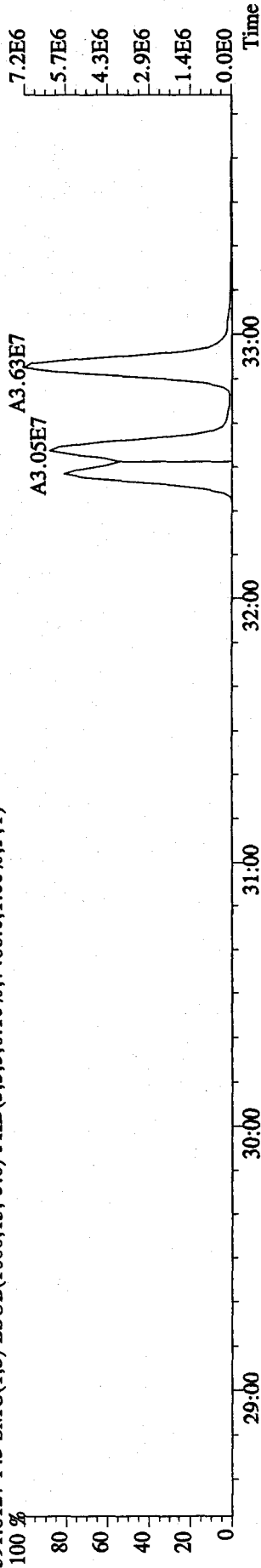




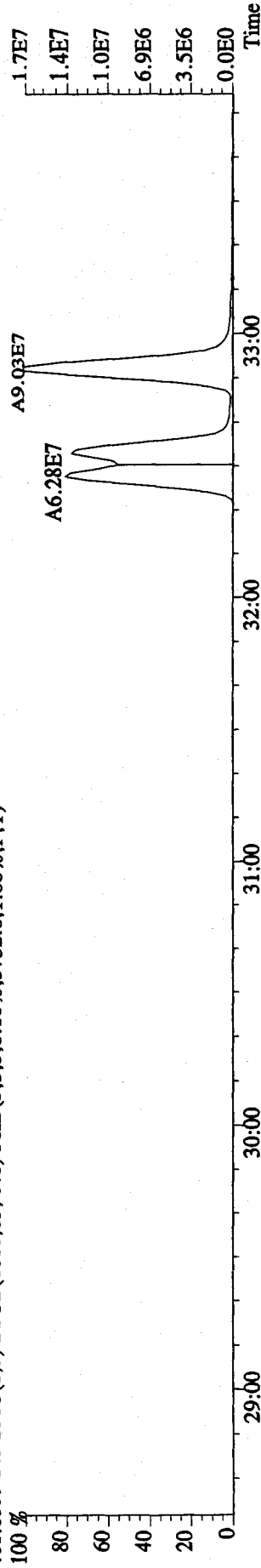
File:06IA10A1D5 #1-362 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3776.0,1.00%,F,T)



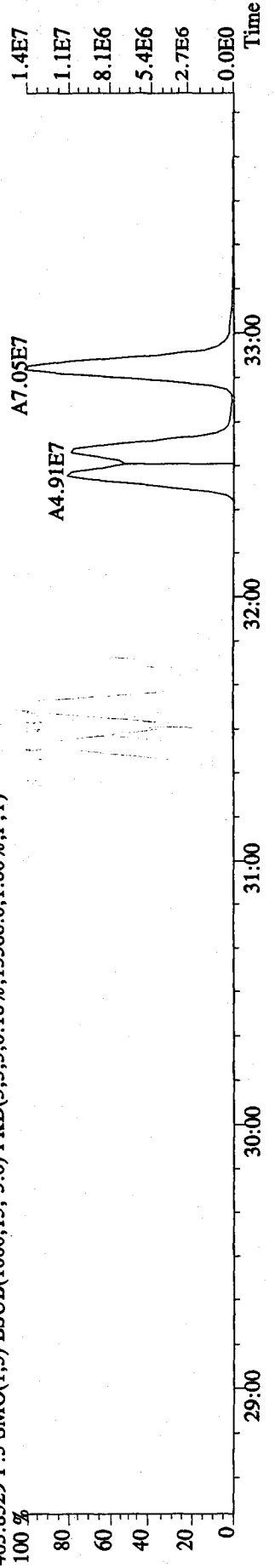
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7488.0,1.00%,F,T)



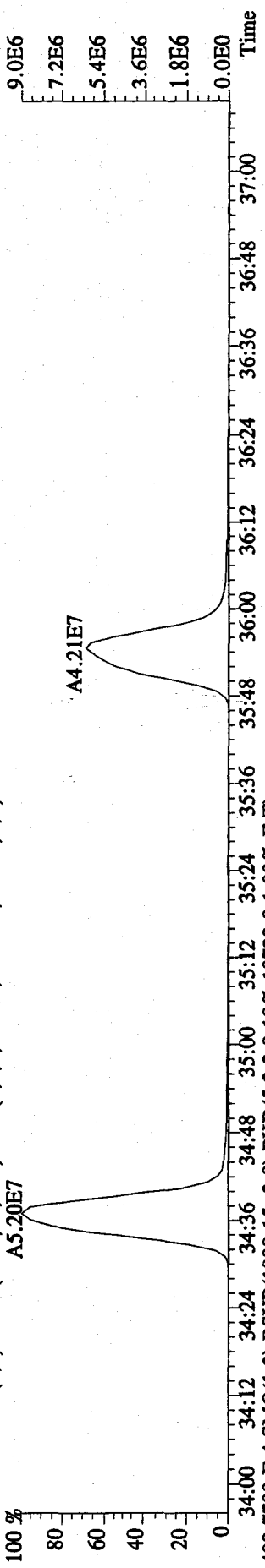
401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)



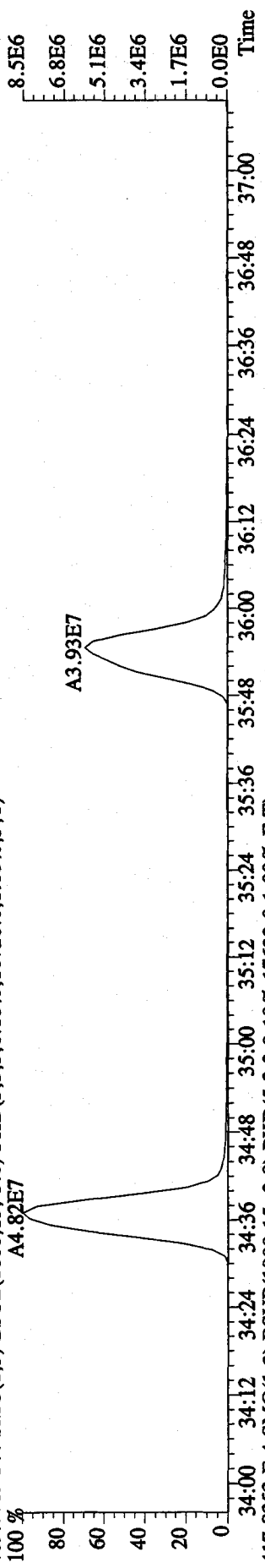
403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13588.0,1.00%,F,T)



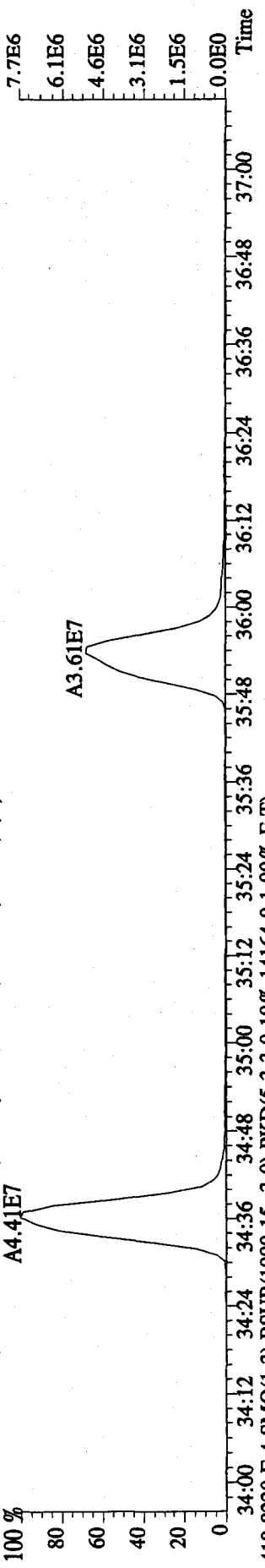
File:06JA10A1D5 #1-228 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10636.0,1.00%,F,T)  
 100 %  
 A5.20E7



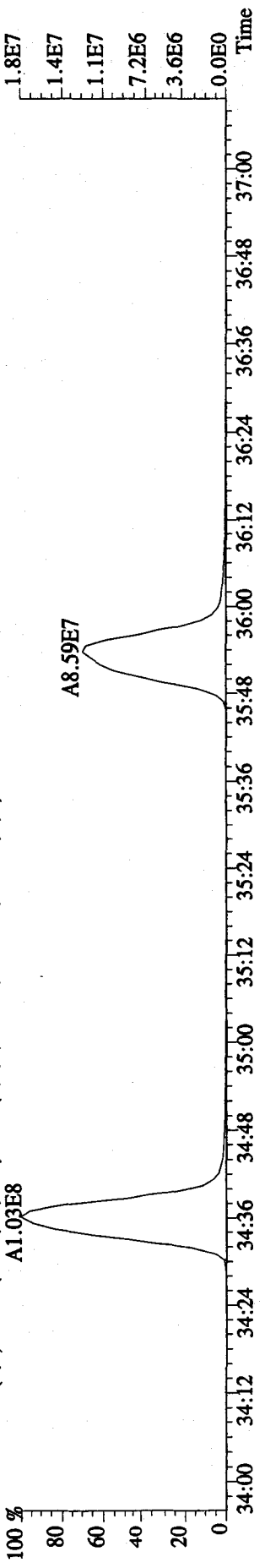
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10720.0,1.00%,F,T)  
 100 %  
 A4.82E7



417.8253 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,17632.0,1.00%,F,T)  
 100 %  
 A4.41E7



419.8220 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,14164.0,1.00%,F,T)  
 100 %  
 A1.03E8

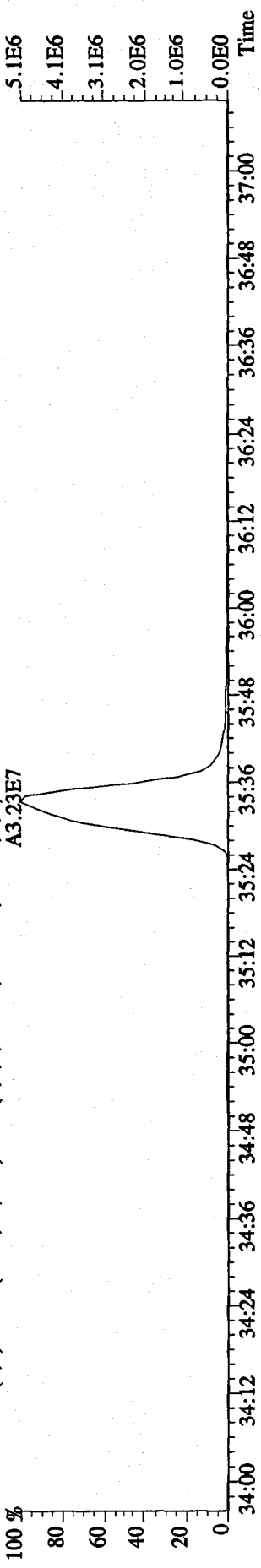


File:06JA10A1D5 #1-228 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN

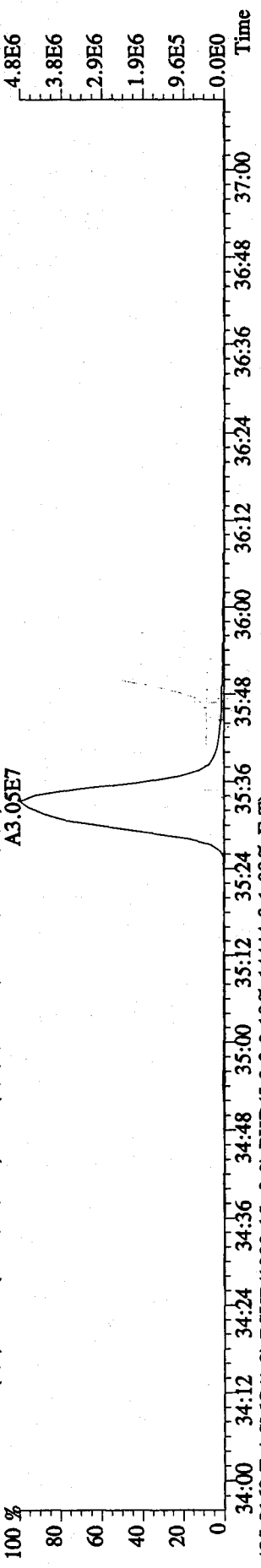
423.7766 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,11716.0,1.00%,F,T)

A3.23E7



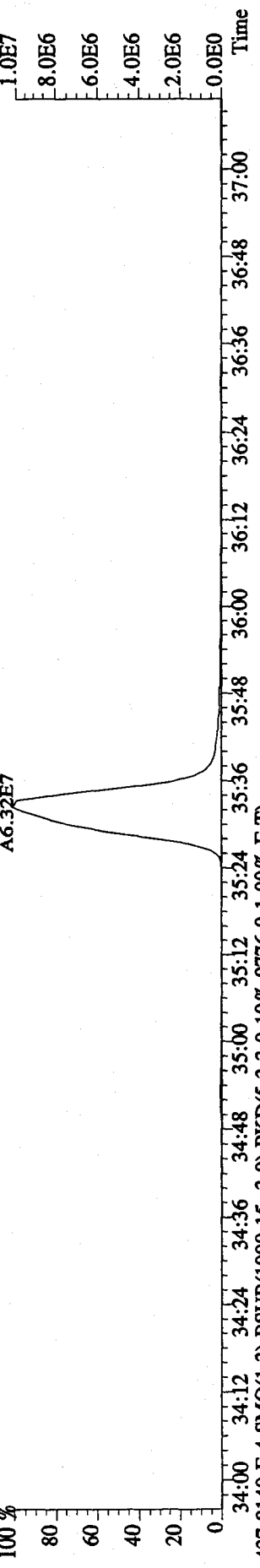
425.7737 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9756.0,1.00%,F,T)

A3.05E7



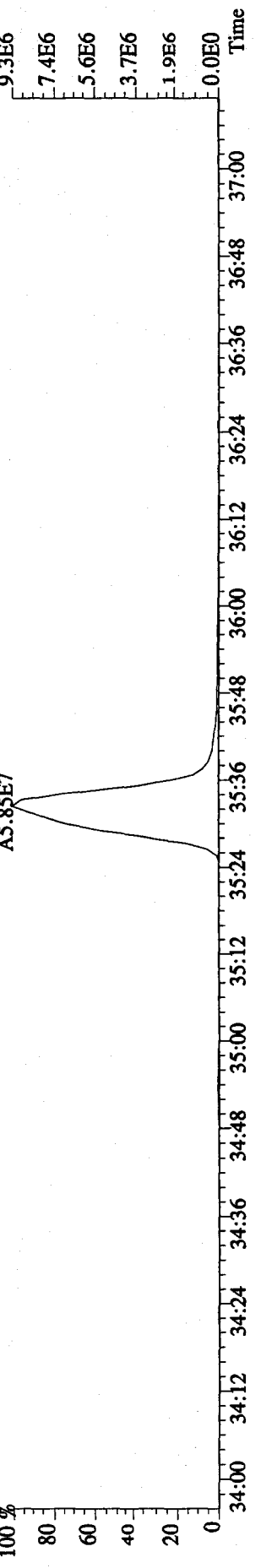
435.8169 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,14444.0,1.00%,F,T)

A6.32E7

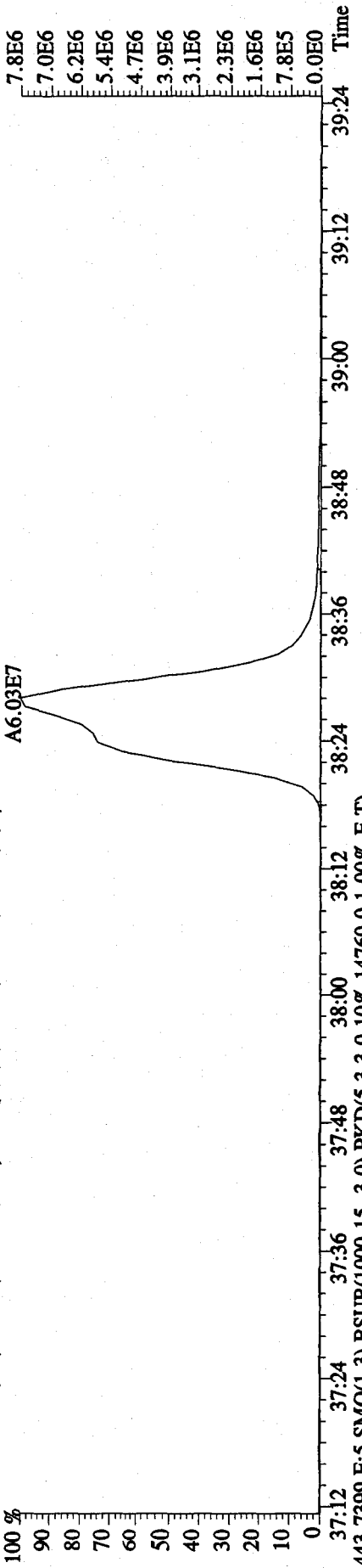


437.8140 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9776.0,1.00%,F,T)

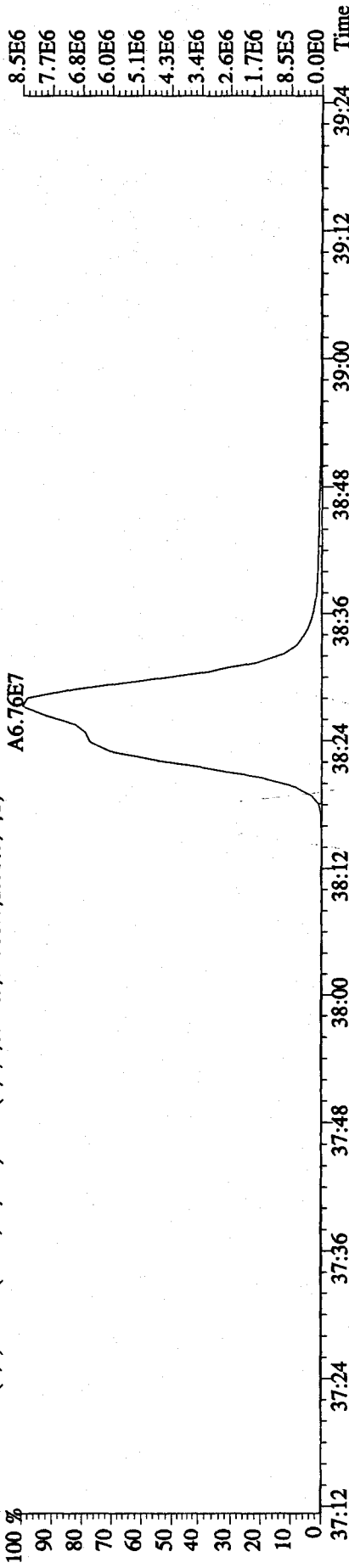
A5.85E7



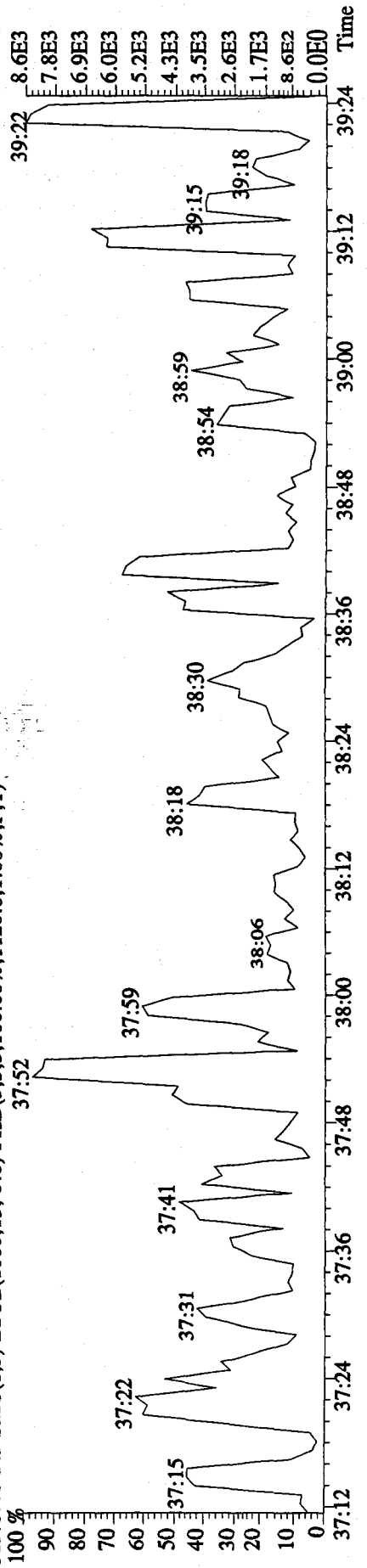
File:061A10A1D5 #1-161 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14760.0,1.00%,F,T)



443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14760.0,1.00%,F,T)

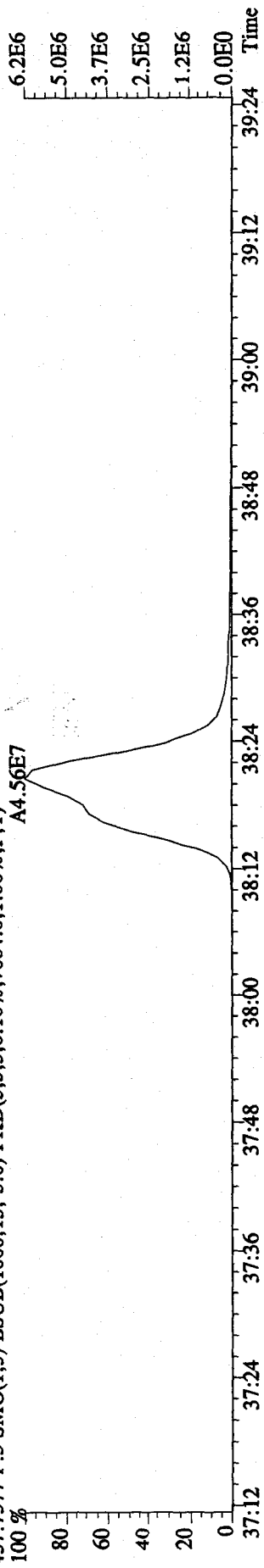


513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1120.0,1.00%,F,T)

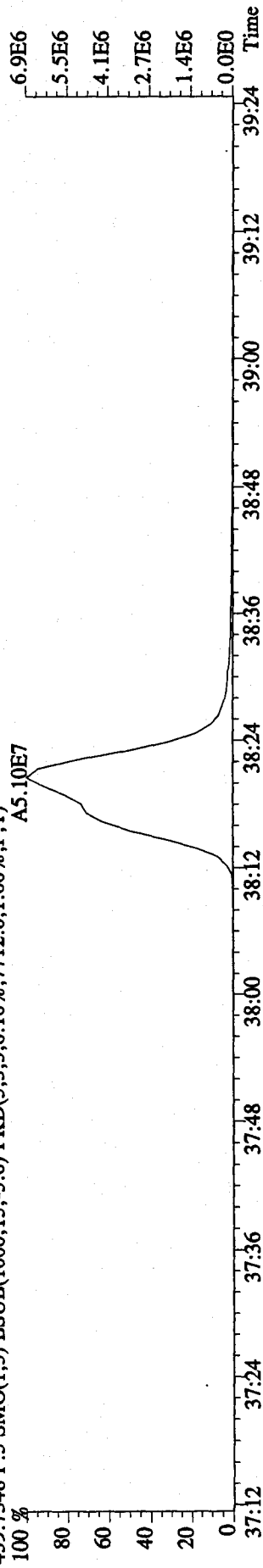


File:06JA10A1D5 #1-161 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE

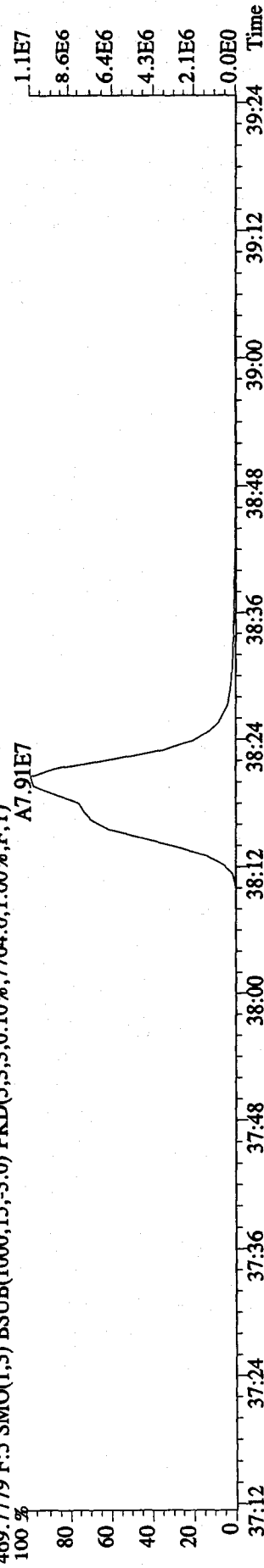
Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7084.0,1.00%,F,T)



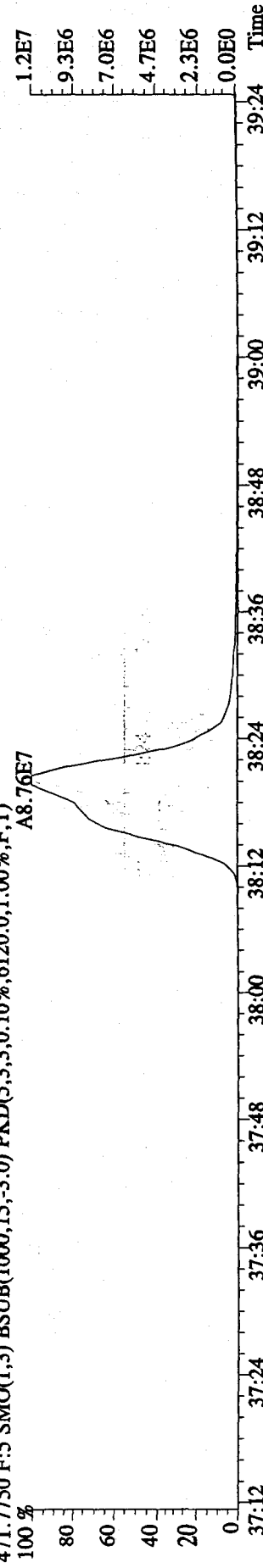
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7712.0,1.00%,F,T)



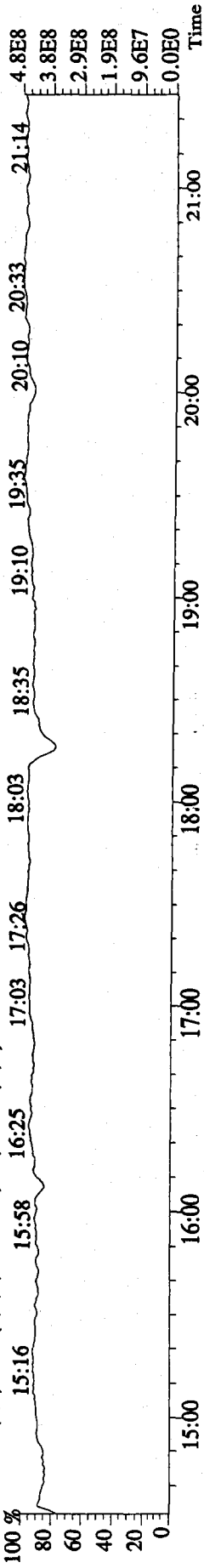
469.7779 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7704.0,1.00%,F,T)



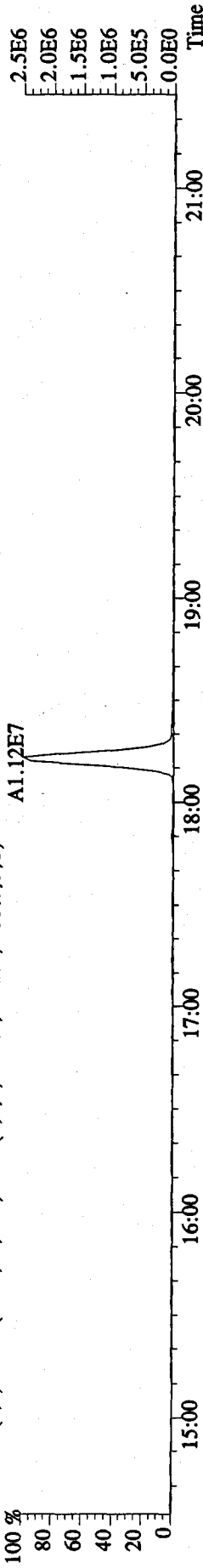
471.7750 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6120.0,1.00%,F,T)



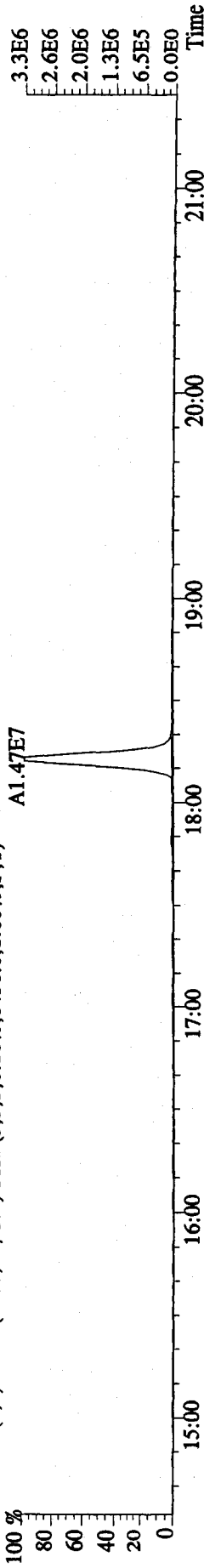
File:06JA10A1D5 #1-410 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 292.9825 SMO(1,3) PKD(5,3,5,100.00%,0,0,1.00%,F,T)



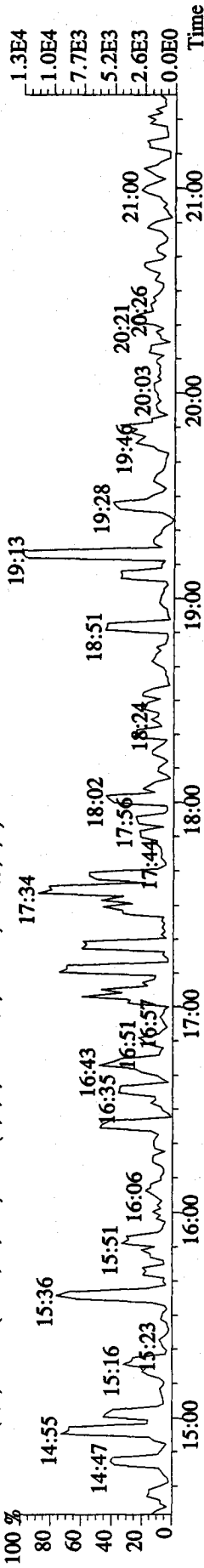
303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6592.0,1.00%,F,T)



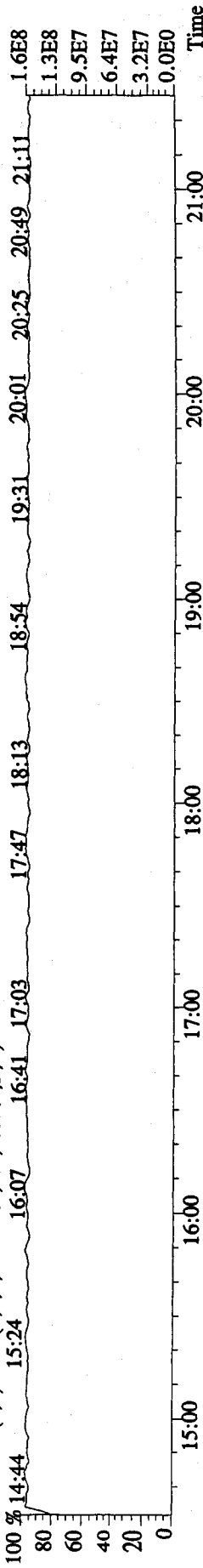
305.8987 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8456.0,1.00%,F,T)



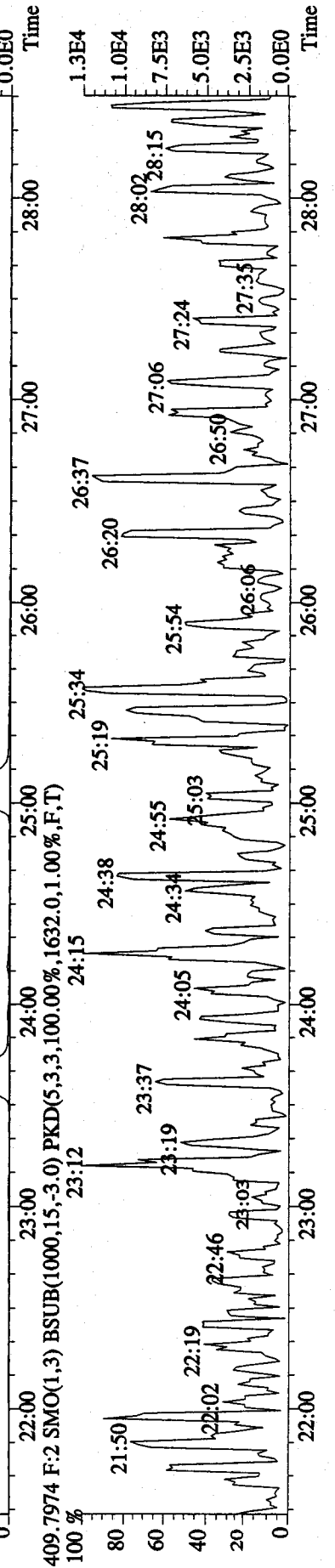
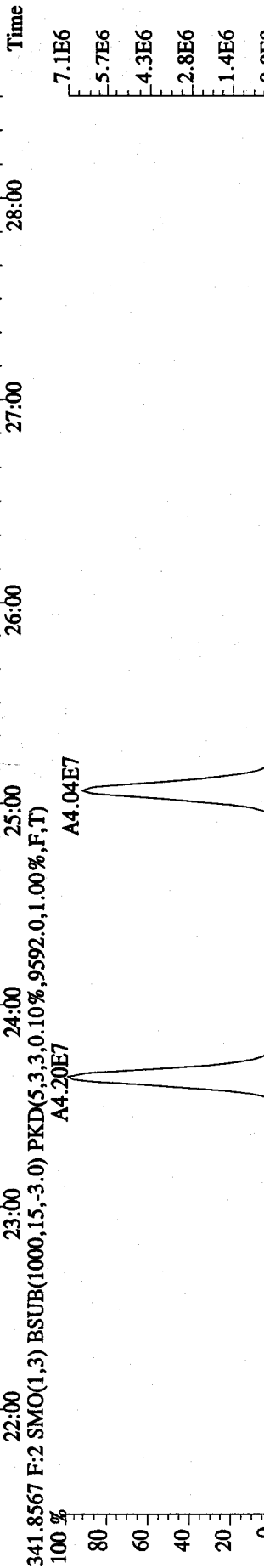
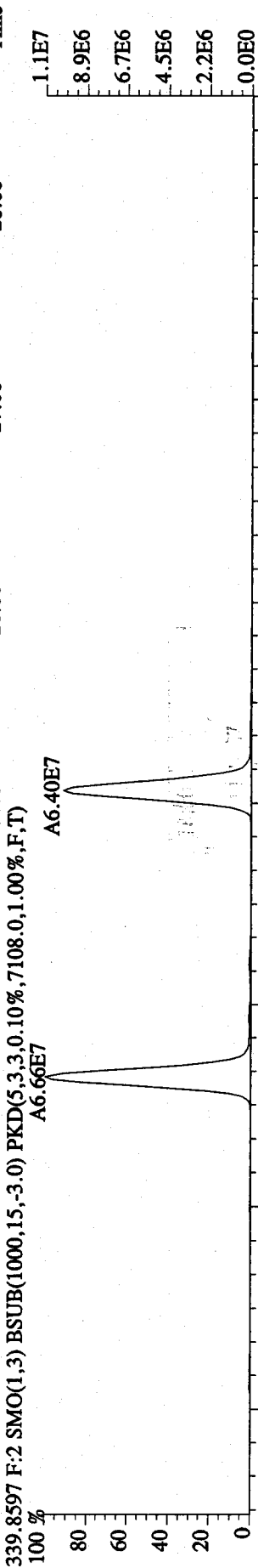
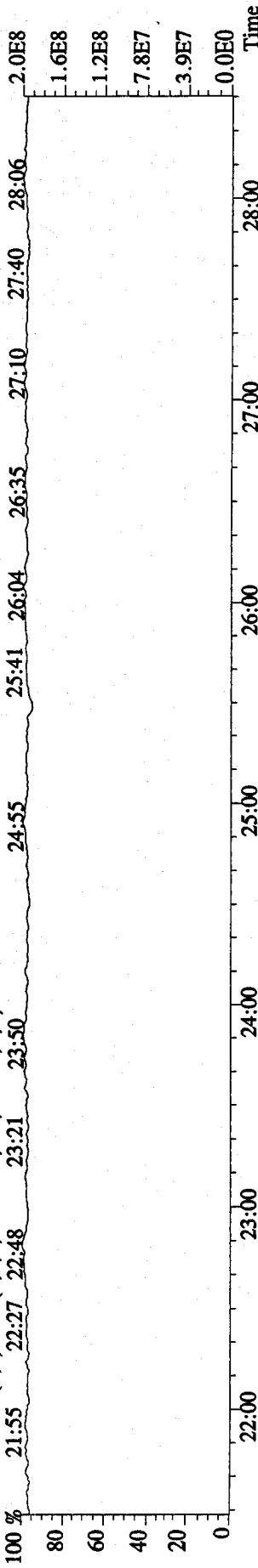
375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1844.0,1.00%,F,T)



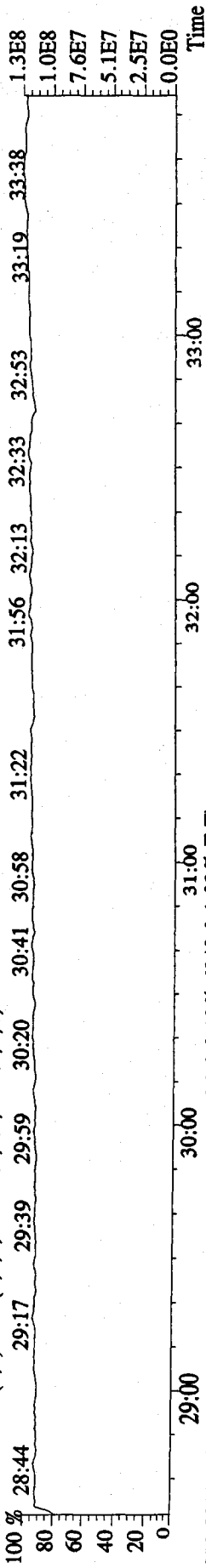
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



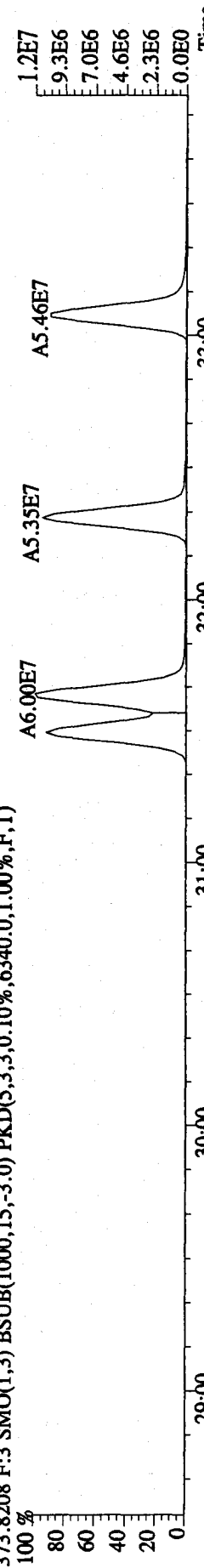
File:061A10A1D5 #1-495 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 342.9792 F:2.SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)  
 100 % 21:55 22:27 22:48 23:21 23:50 24:55 25:41 26:04 26:35 27:10 27:40 28:06



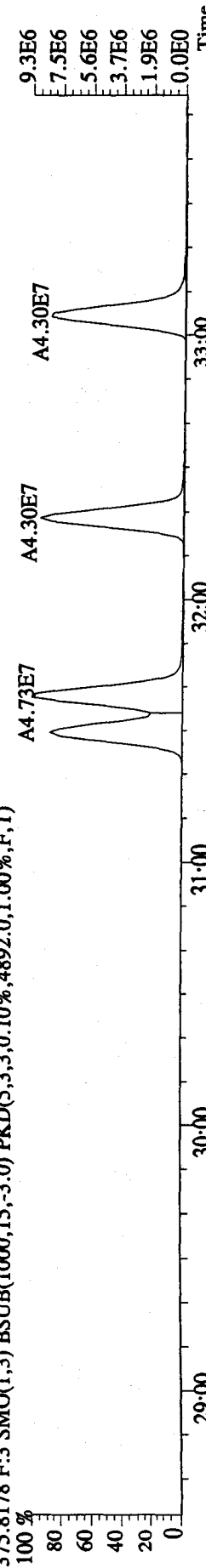
File:061A10A1D5 #1-362 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN  
 392.9760 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)  
 100 % 28:44 29:17 29:39 29:59 30:20 30:41 30:58 31:22 31:56 32:13 32:33 32:53 33:19 33:38



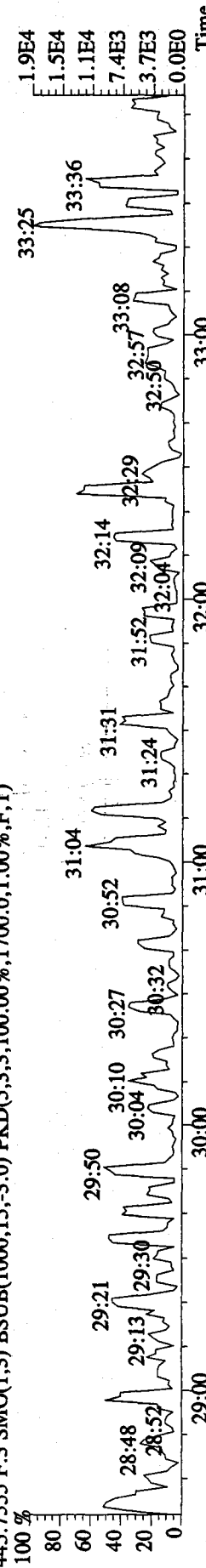
373.8208 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,6340.0,1.00%,F,T)



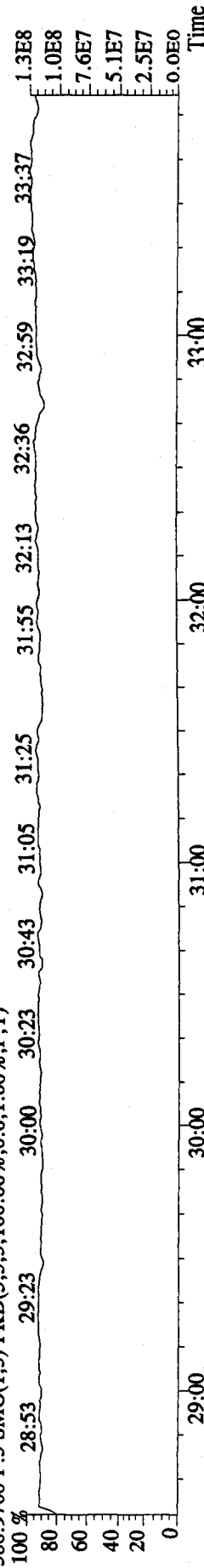
375.8178 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,4892.0,1.00%,F,T)



445.7555 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1700.0,1.00%,F,T)



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



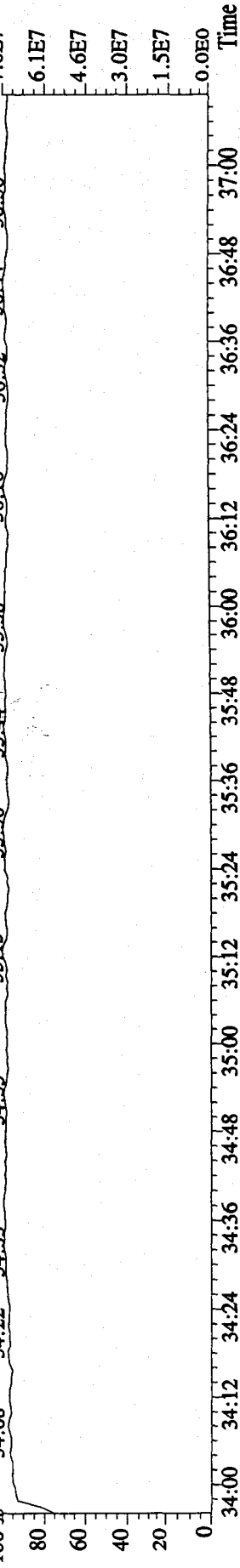


File:06JA10A1D5 #1-228 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE

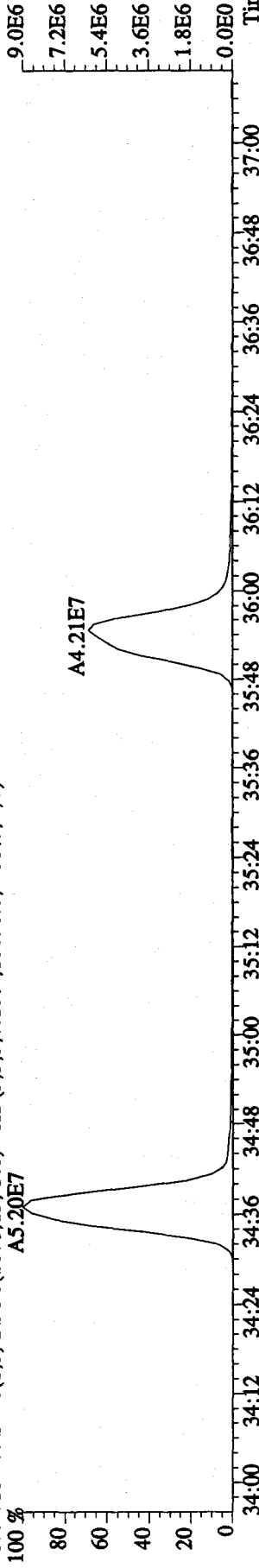
Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN

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

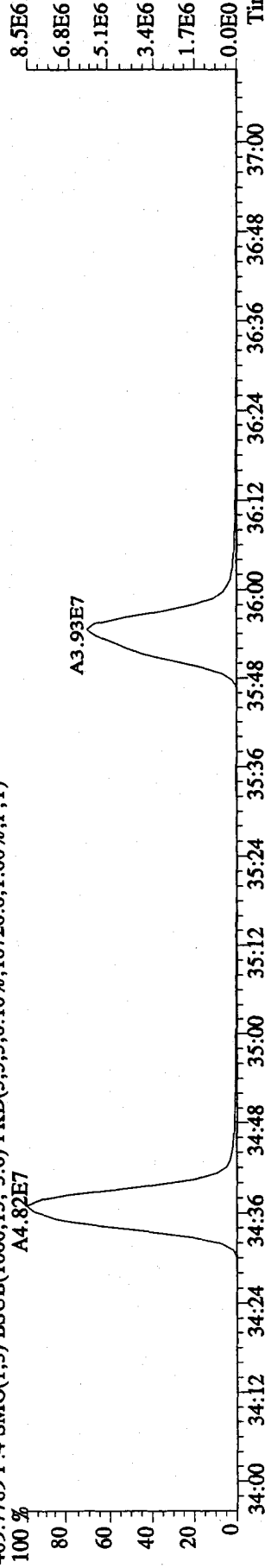
100 % 34:08 34:22 34:33 34:53 35:13 35:30 35:44 35:58 36:16 36:32 36:44 36:56 7.6E7



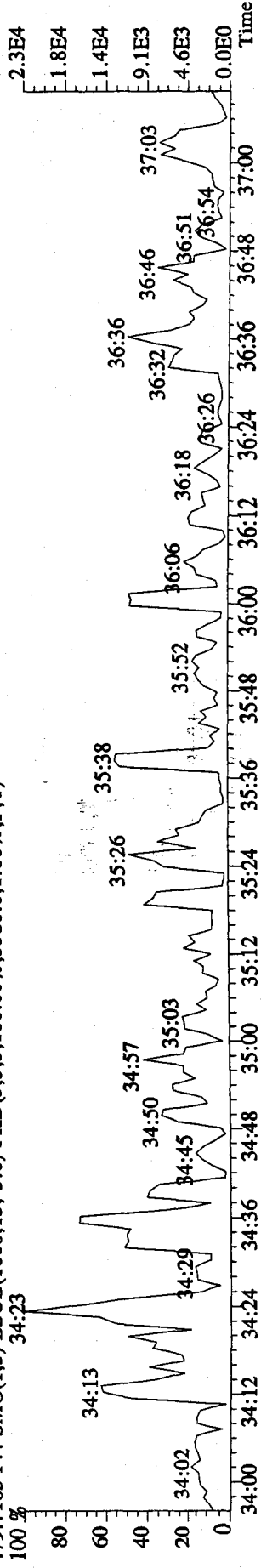
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10636.0,1.00%,F,T)



409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10720.0,1.00%,F,T)



479.7165 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,5580.0,1.00%,F,T)

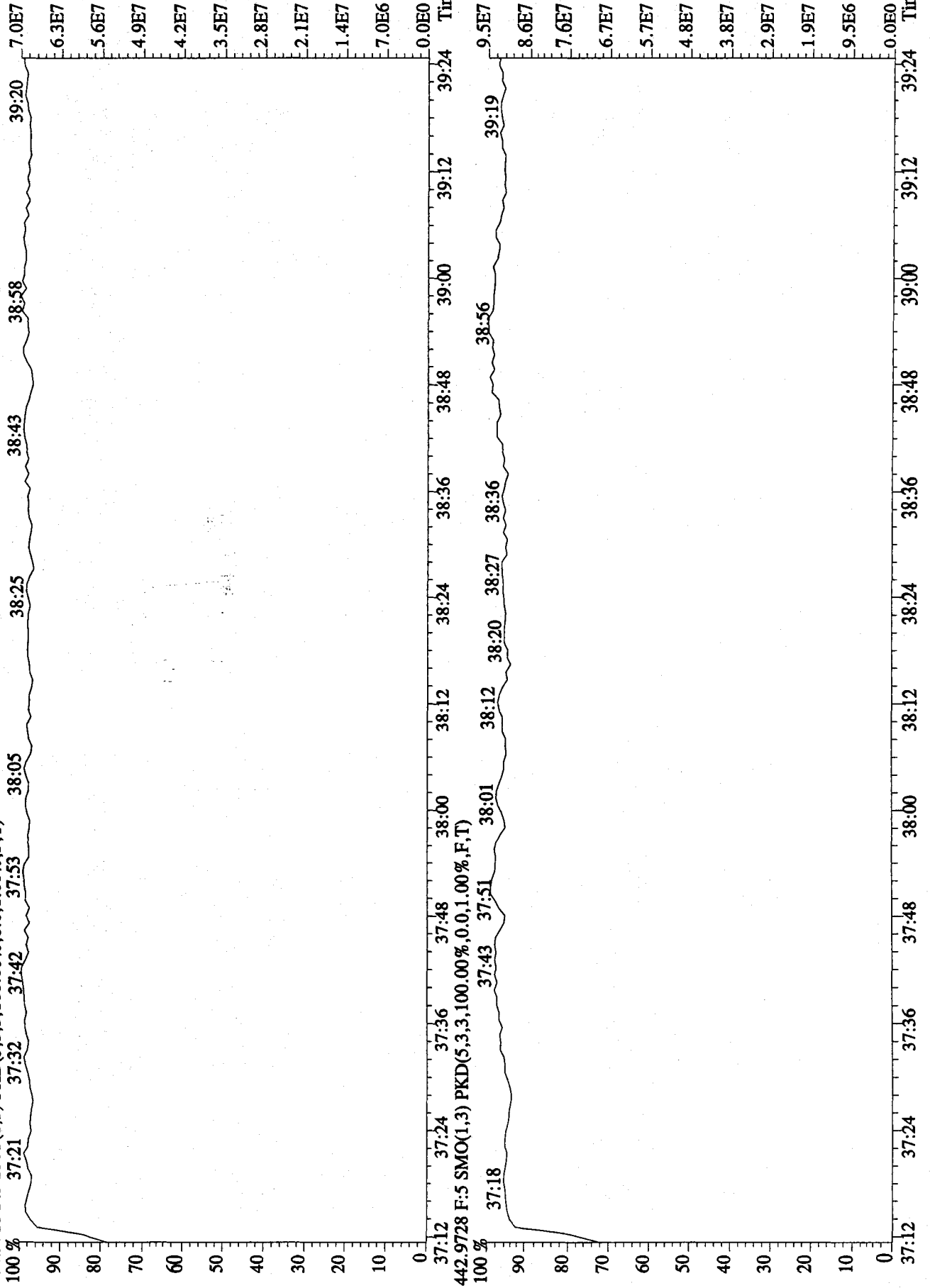


File:06JA10A1D5 #1-161 Acq: 6-JAN-2010 22:09:57 GC EI+ Voltage SIR 70SE

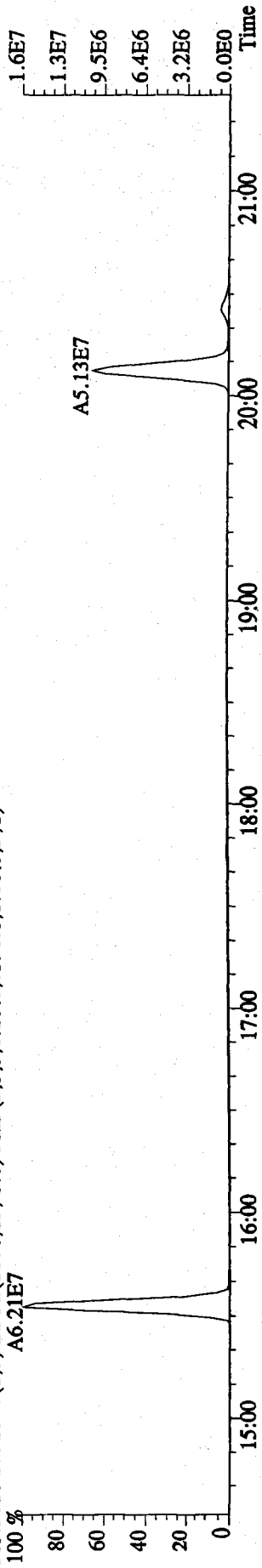
Sample#1 Text:ST0106 :CS3 09DXN425 Exp:DIOXIN

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

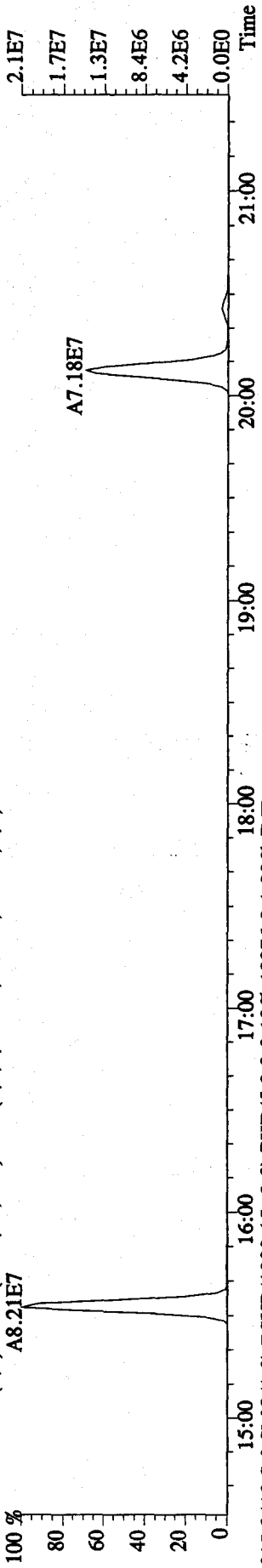
100 % 37:21 37:32 37:42 37:53 38:05 38:25 38:43 38:58 39:20 7.0E7



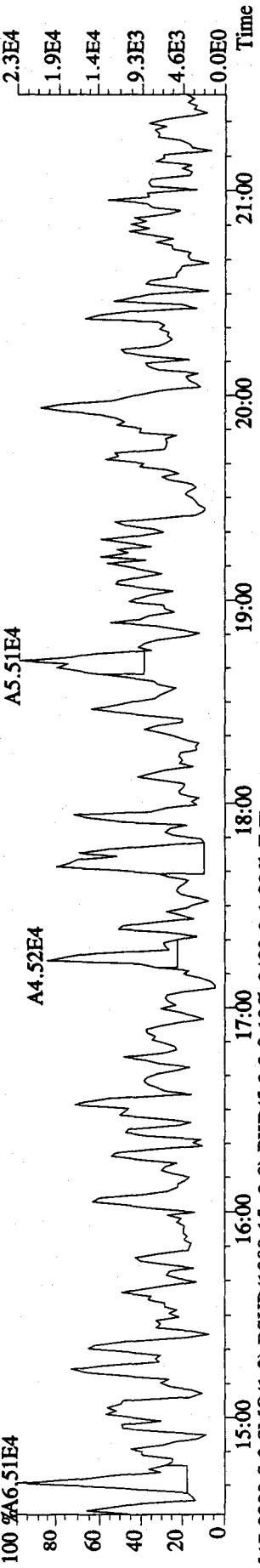
File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 303.9016 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7396.0,1.00%,F,T)



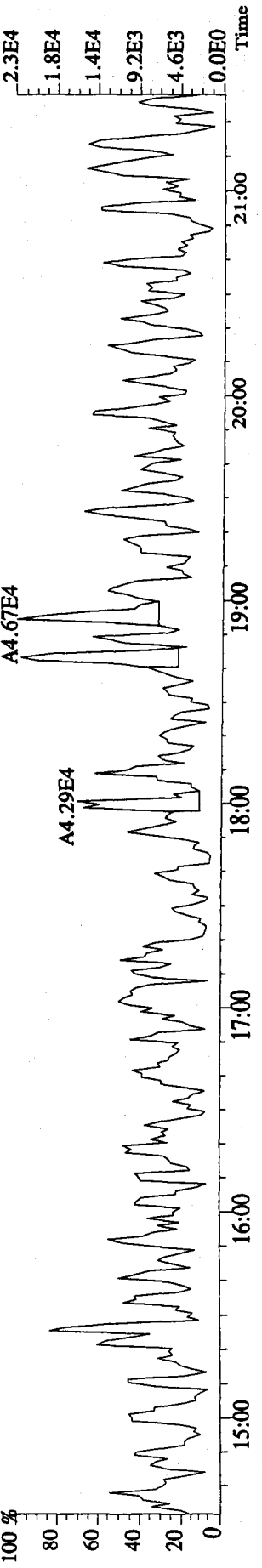
305.8987 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9592.0,1.00%,F,T)



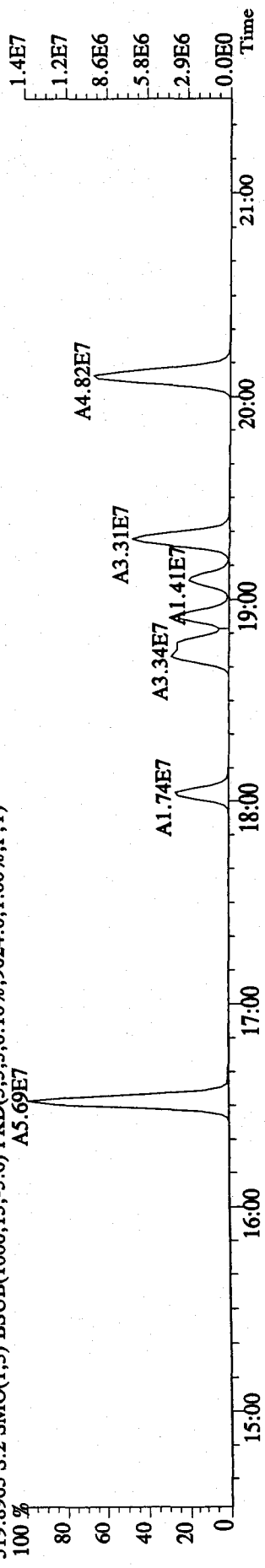
315.9419 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,10076.0,1.00%,F,T)



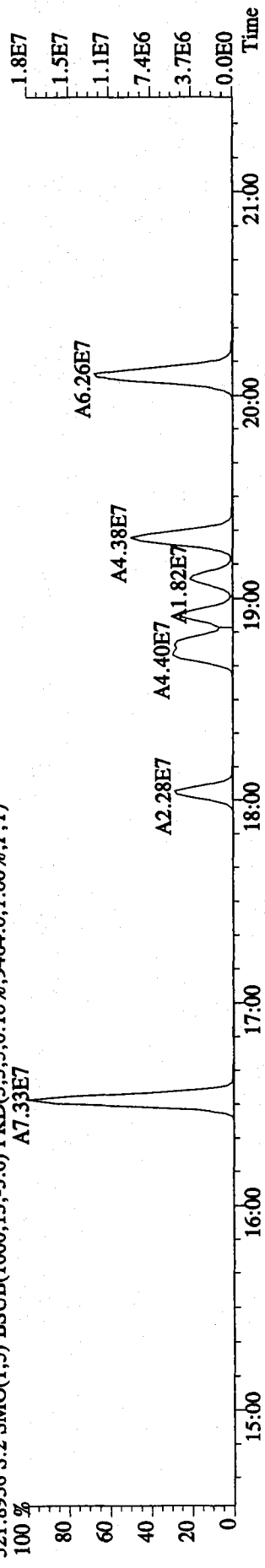
317.9389 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9492.0,1.00%,F,T)



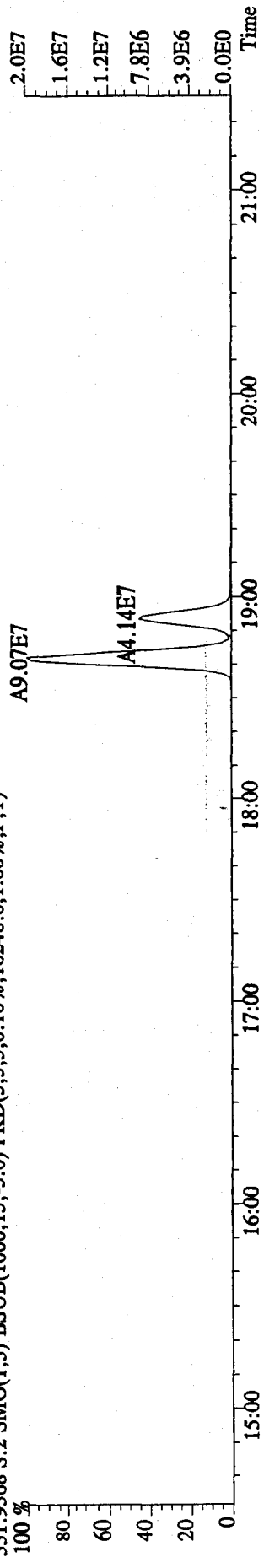
File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9024.0,1.00%,F,T)  
 A5.69E7



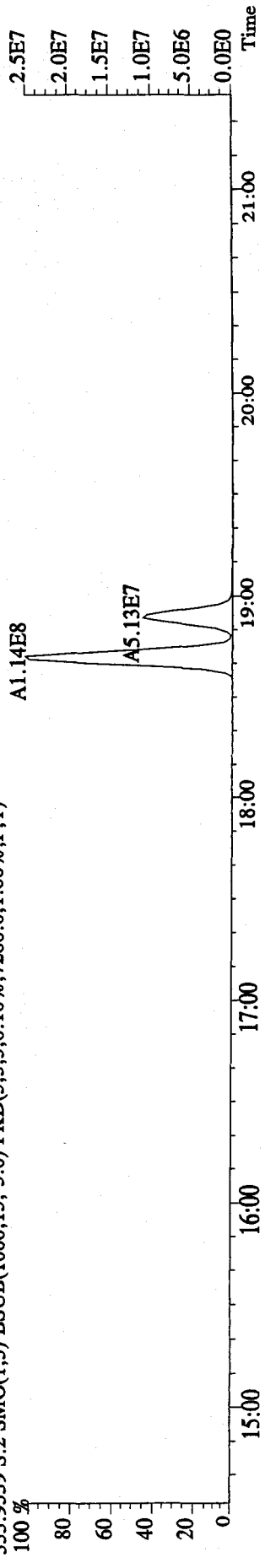
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9464.0,1.00%,F,T)  
 A7.33E7



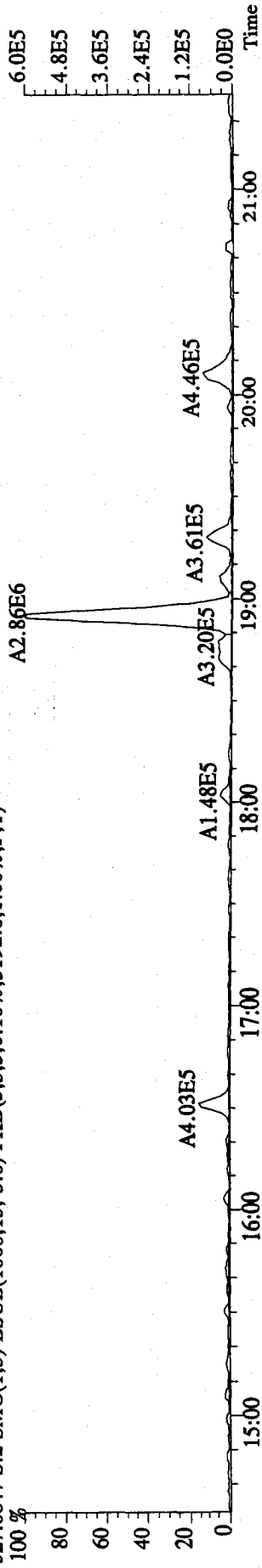
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16248.0,1.00%,F,T)



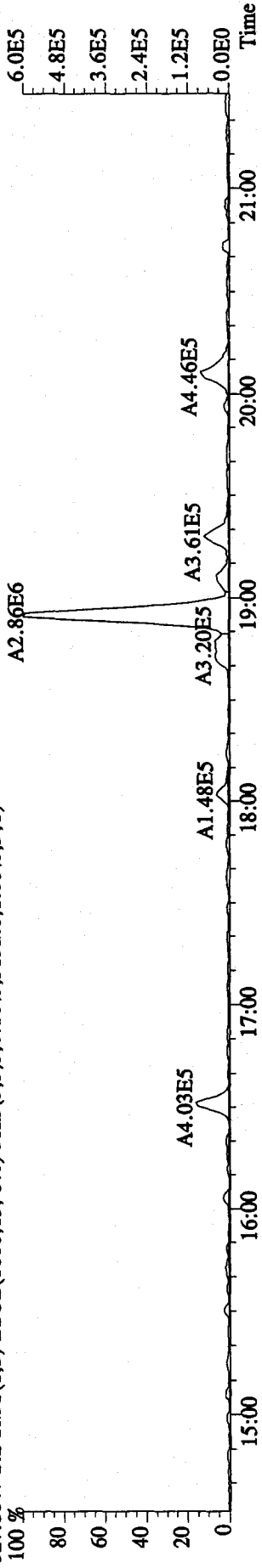
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7280.0,1.00%,F,T)



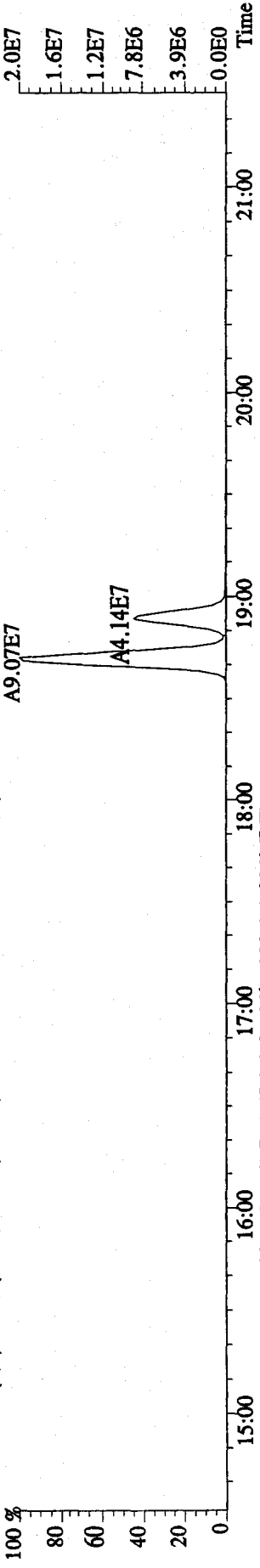
File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5192.0,1.00%,F,T)



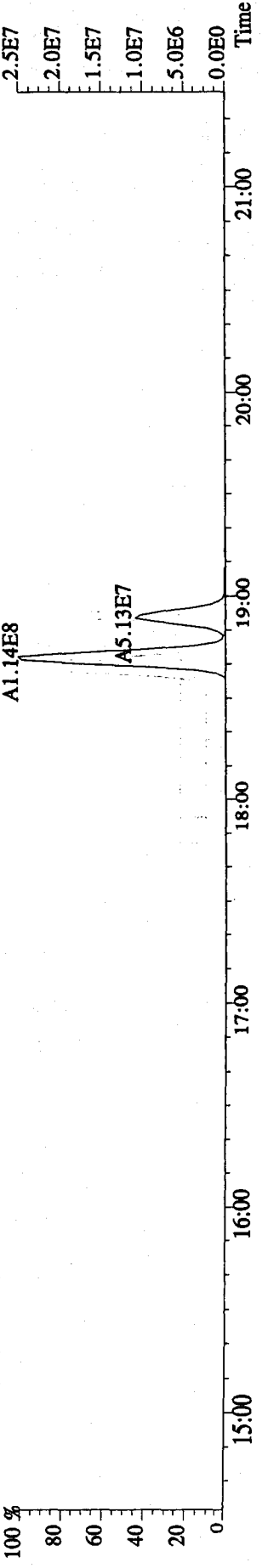
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5192.0,1.00%,F,T)



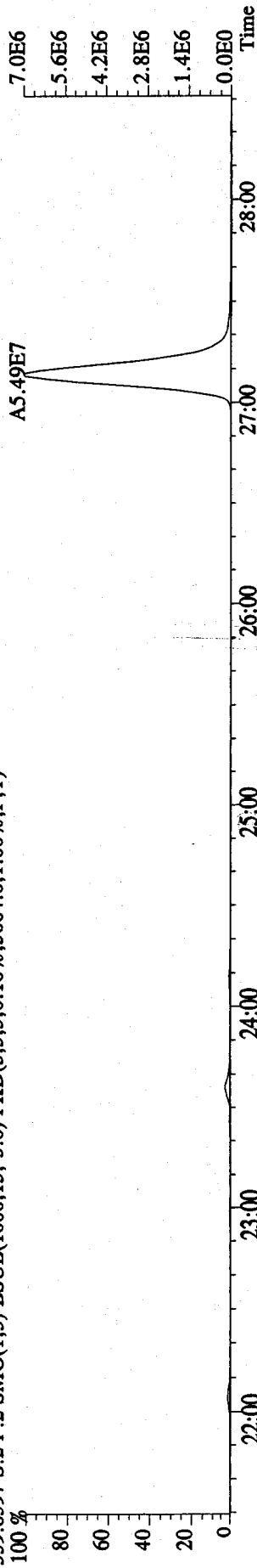
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16248.0,1.00%,F,T)



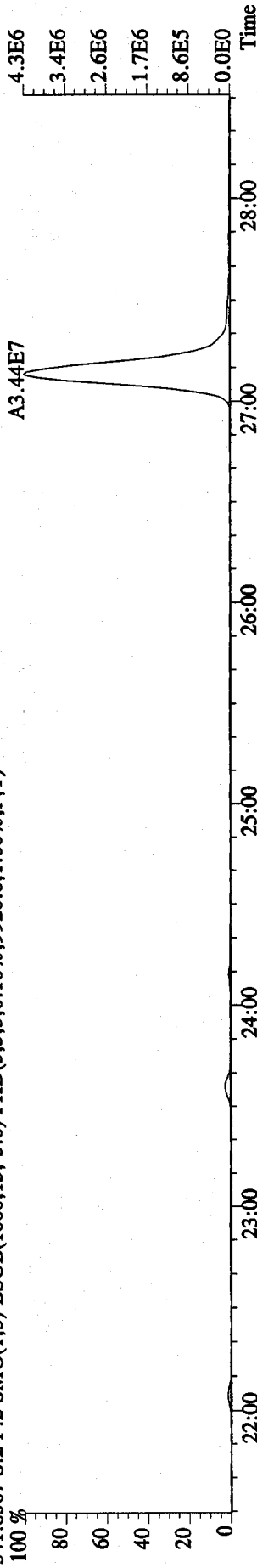
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7280.0,1.00%,F,T)



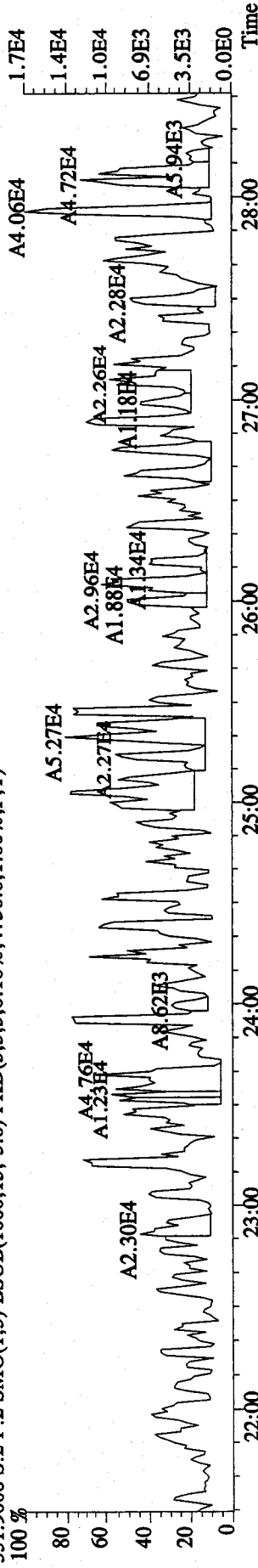
File:06JA10A1D5 #1-495 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CP5M 3732-04 Exp:DIOXIN  
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5664.0,1.00%,F,T)



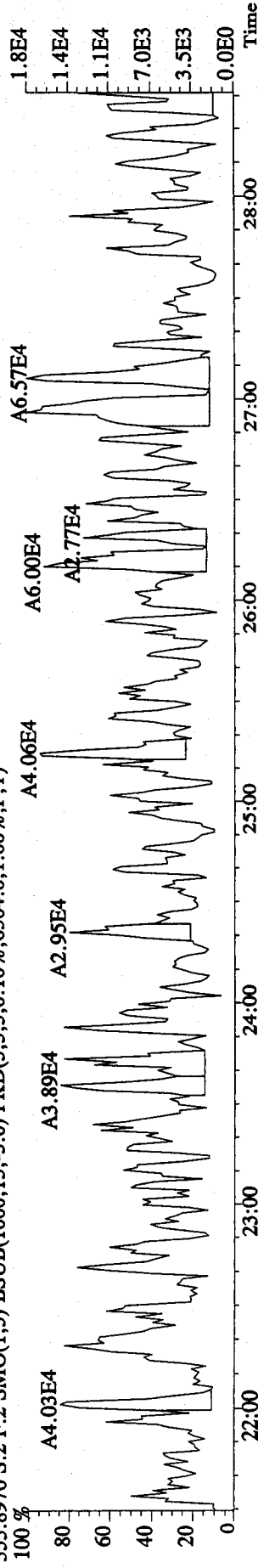
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9920.0,1.00%,F,T)



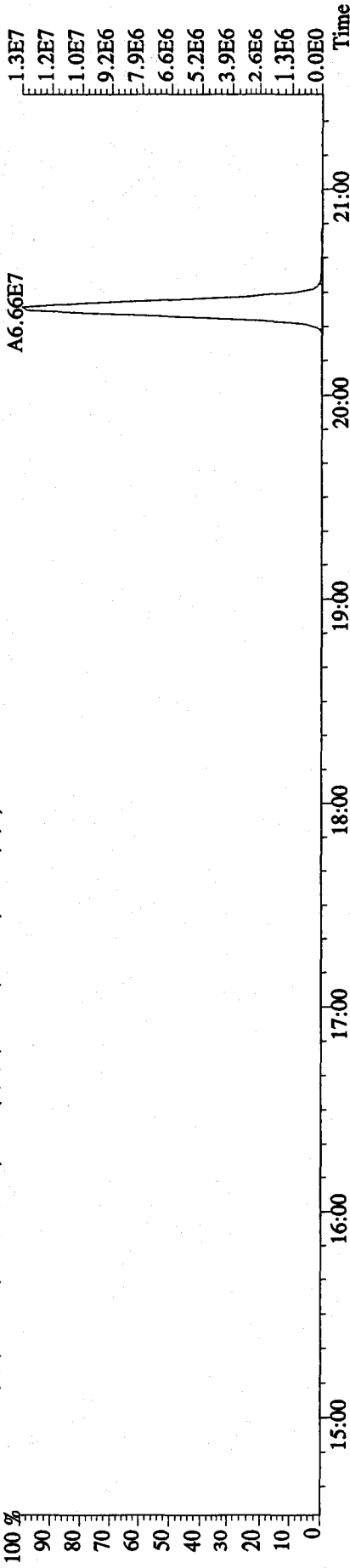
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4756.0,1.00%,F,T)



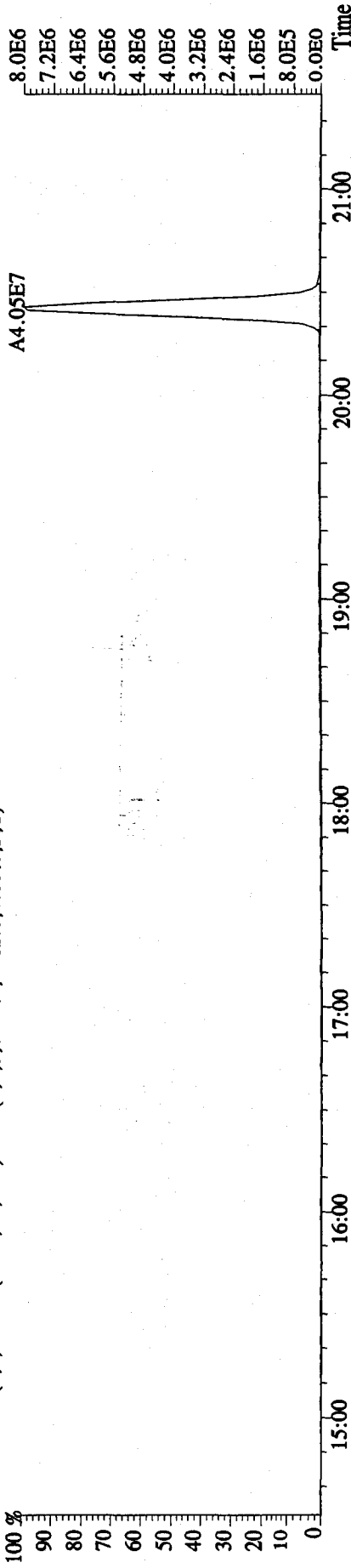
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6304.0,1.00%,F,T)



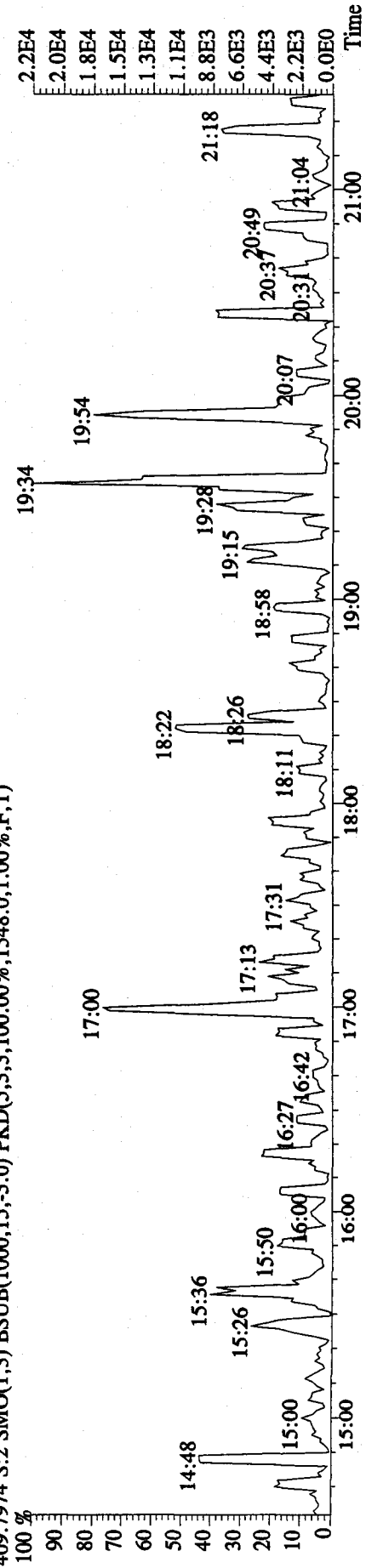
File:06JAI0AIDS #1-411 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4764,0,1,00%,F,T)



341.8567 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8612,0,1,00%,F,T)



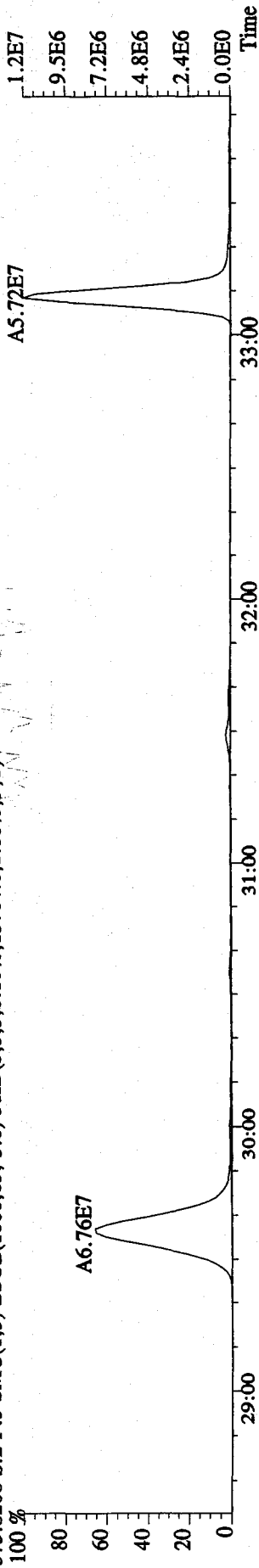
409.7974 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1548,0,1,00%,F,T)



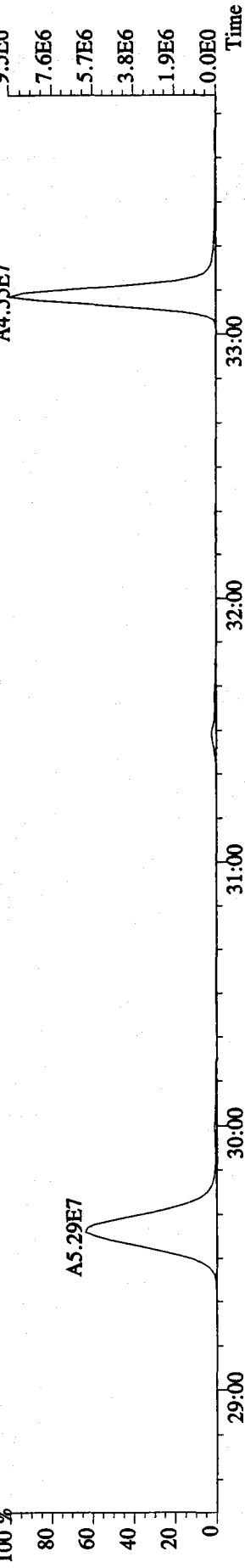




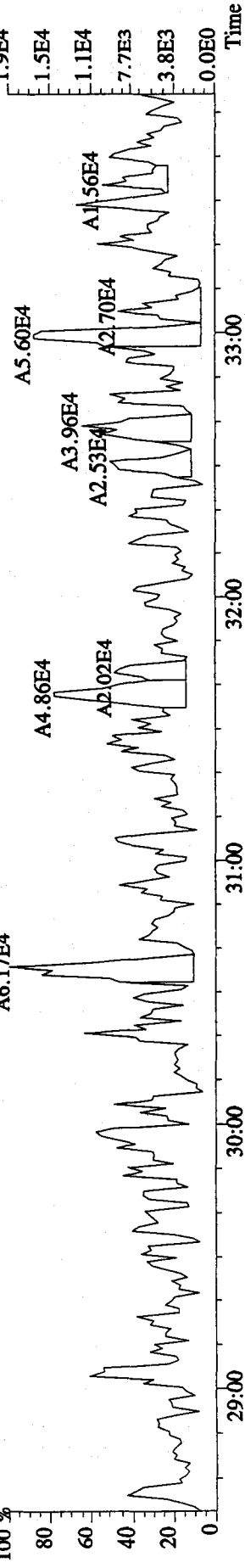
File:06JA10A1D5 #1-361 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13704.0,1.00%,F,T)



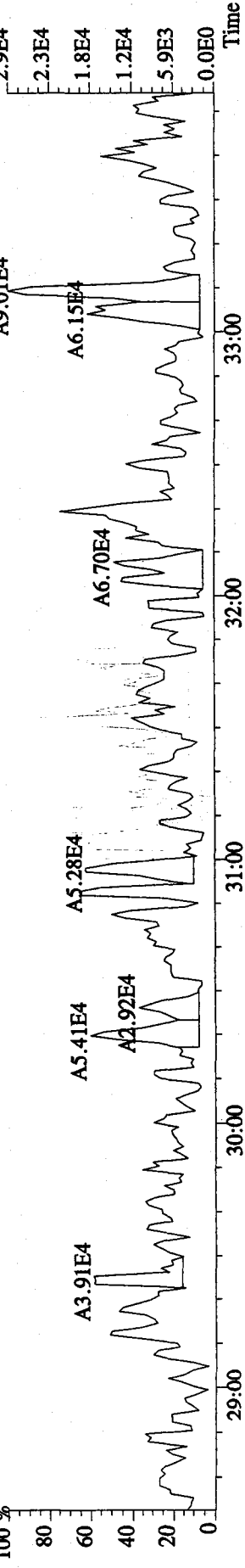
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9348.0,1.00%,F,T)



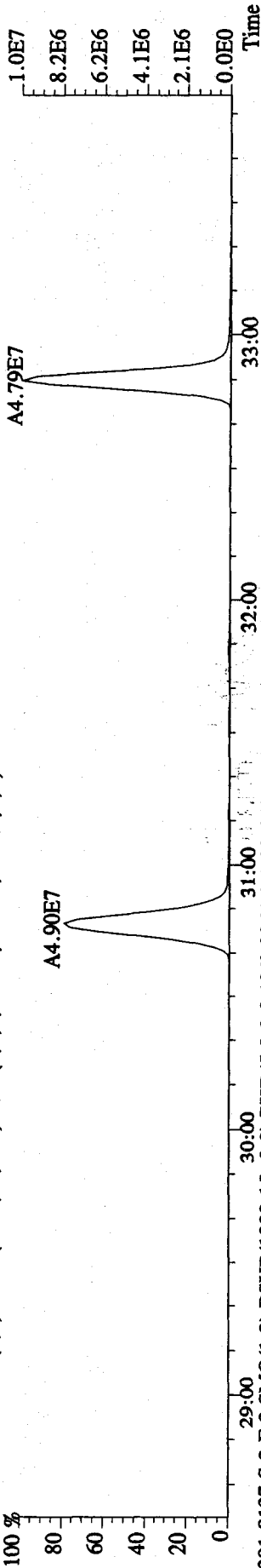
383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7092.0,1.00%,F,T)



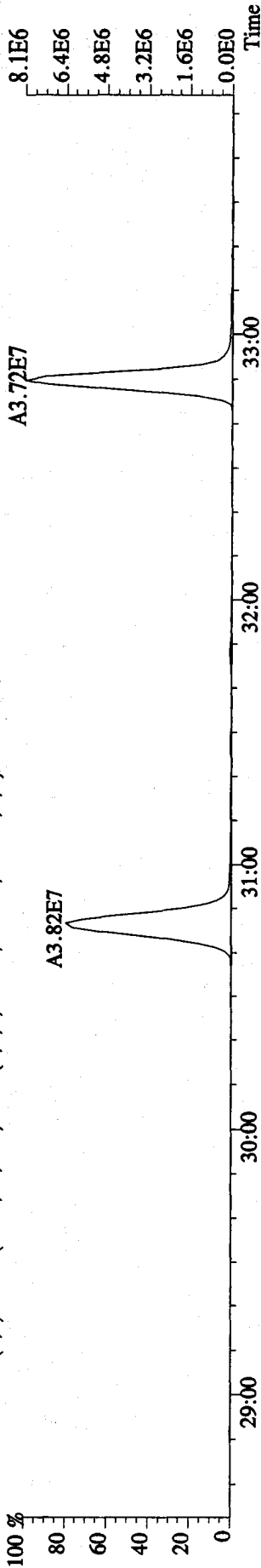
385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7936.0,1.00%,F,T)



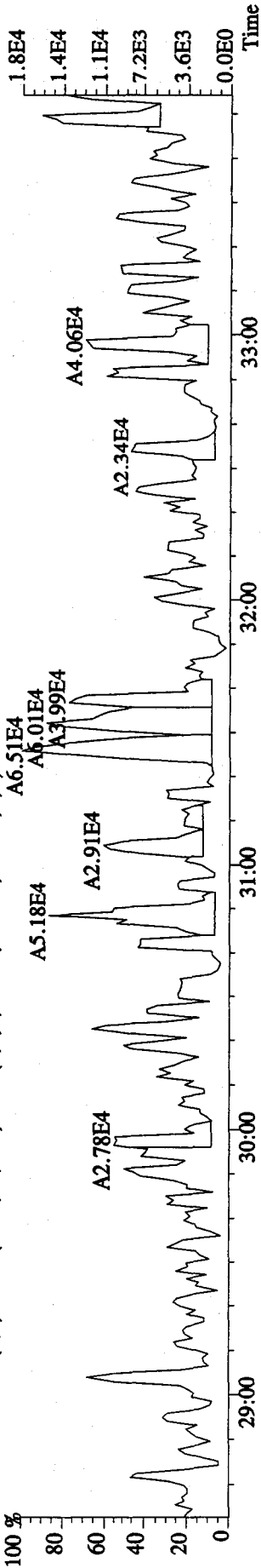
File:06JA10A1D5 #1-361 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6132.0,1.00%,F,T)



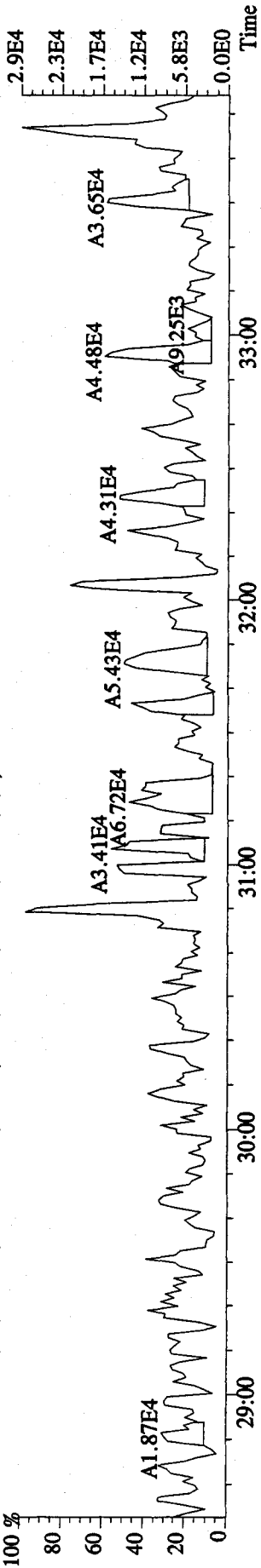
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9064.0,1.00%,F,T)



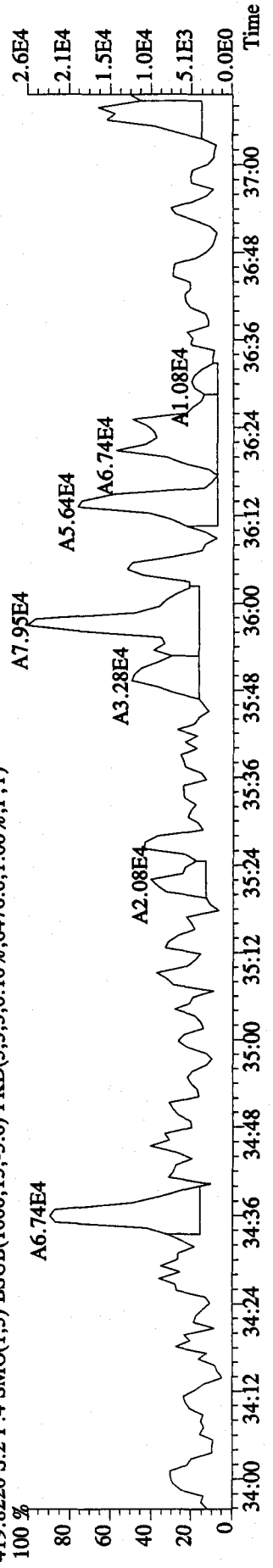
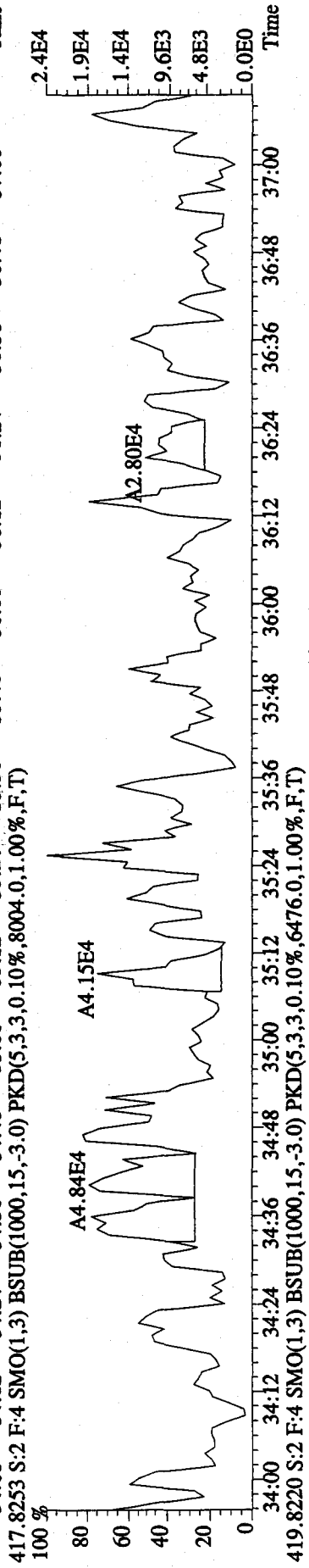
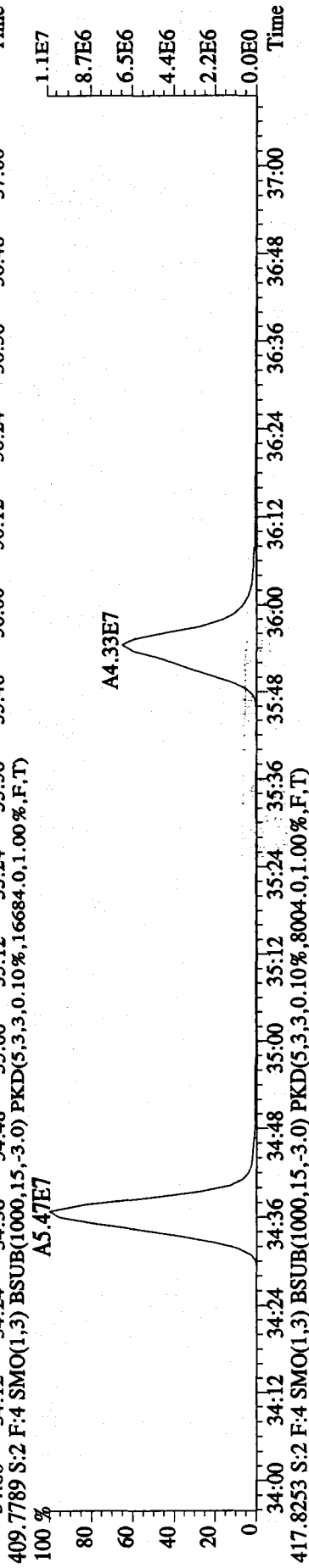
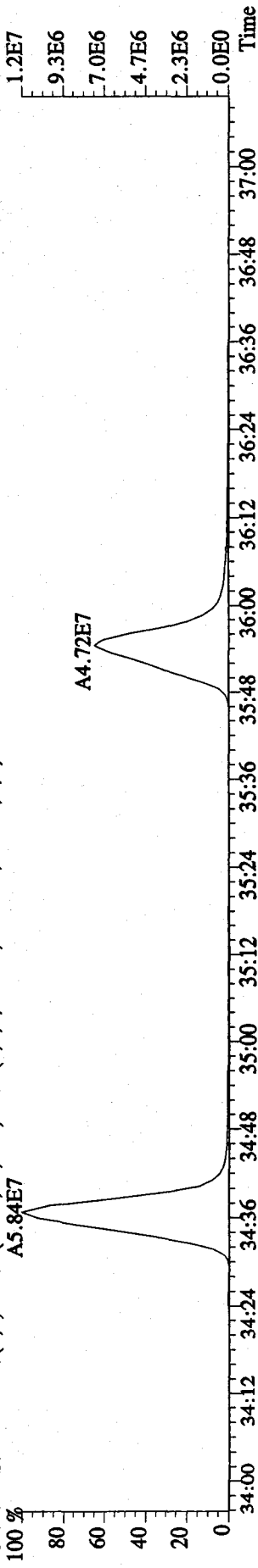
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5284.0,1.00%,F,T)



403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6752.0,1.00%,F,T)



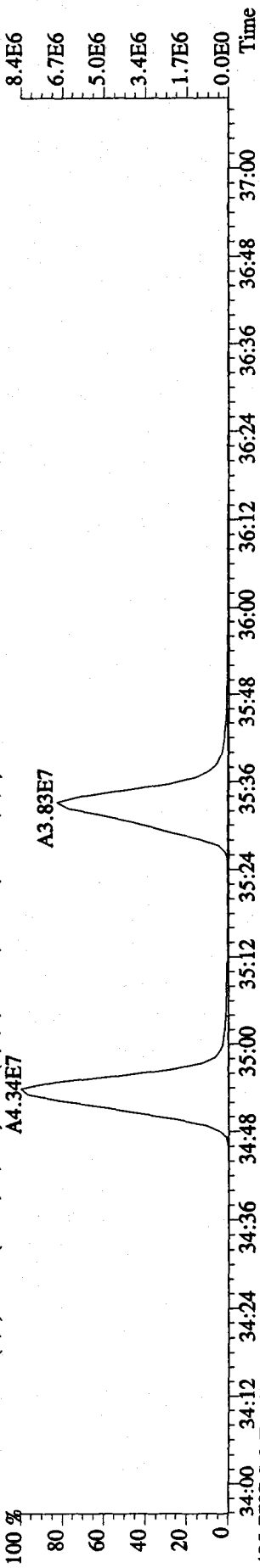
File:061A10A1D5 #1-228 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12404,0.1,0.00%,F,T)  
 100 % A5.84E7



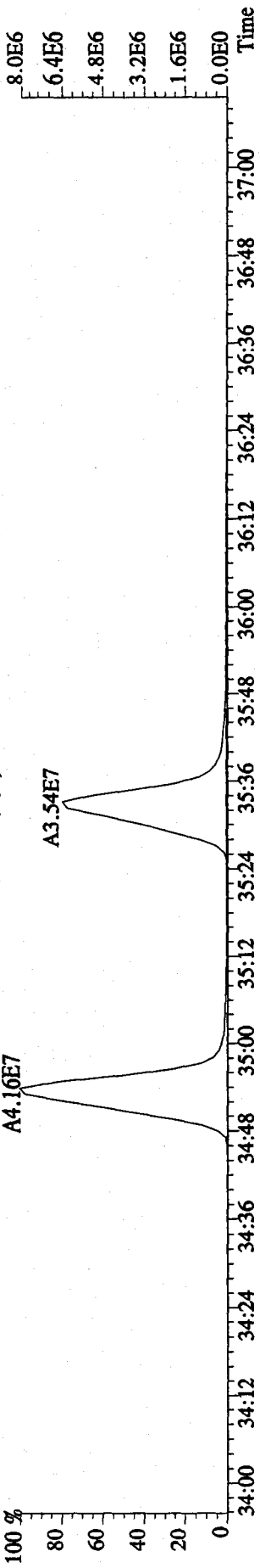
File:06IA10A1D5 #1-228 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN

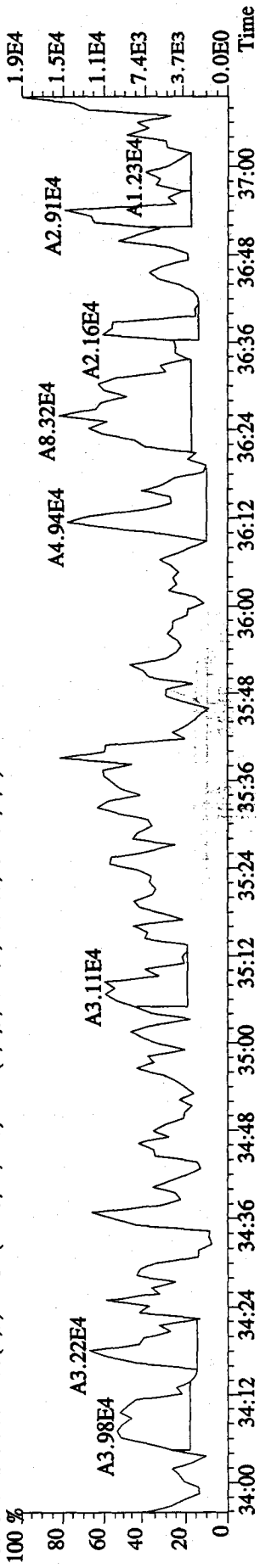
423.7766 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7800.0,1.00%,F,T)



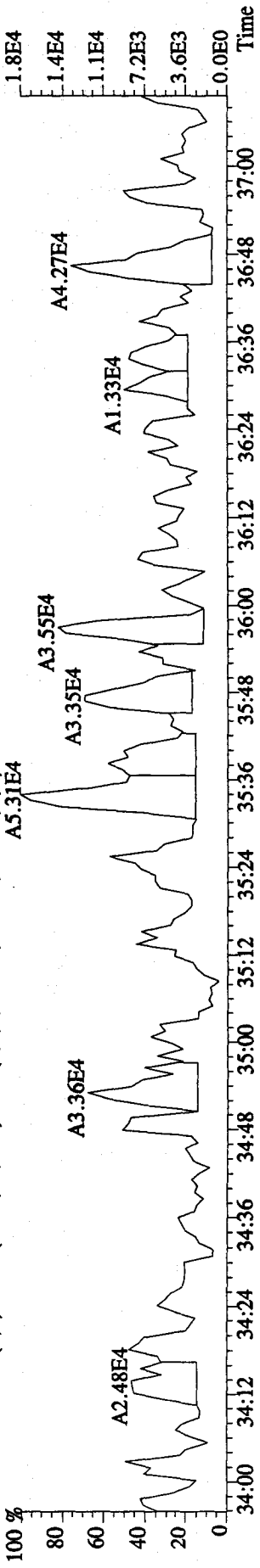
435.8169 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6088.0,1.00%,F,T)



437.8140 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5444.0,1.00%,F,T)

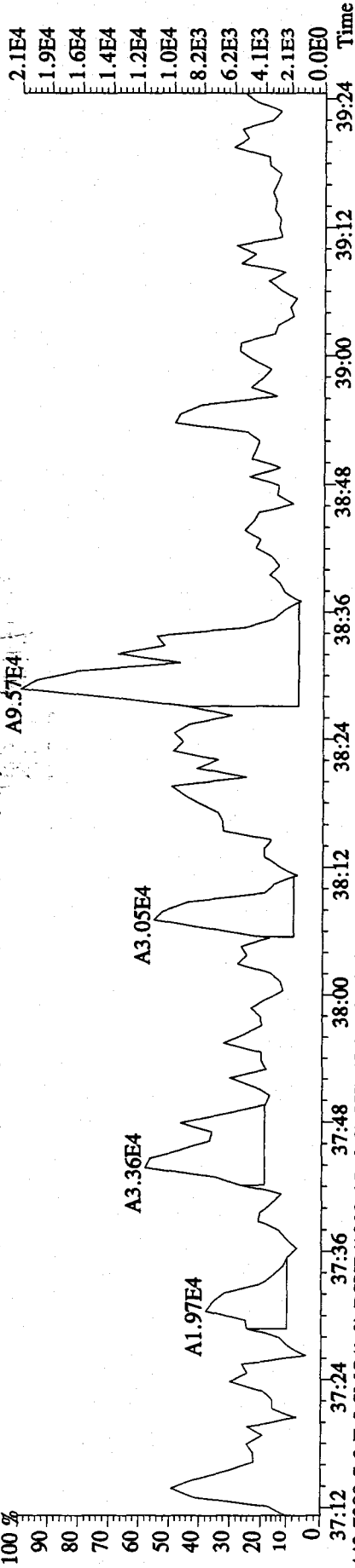


437.8140 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5444.0,1.00%,F,T)

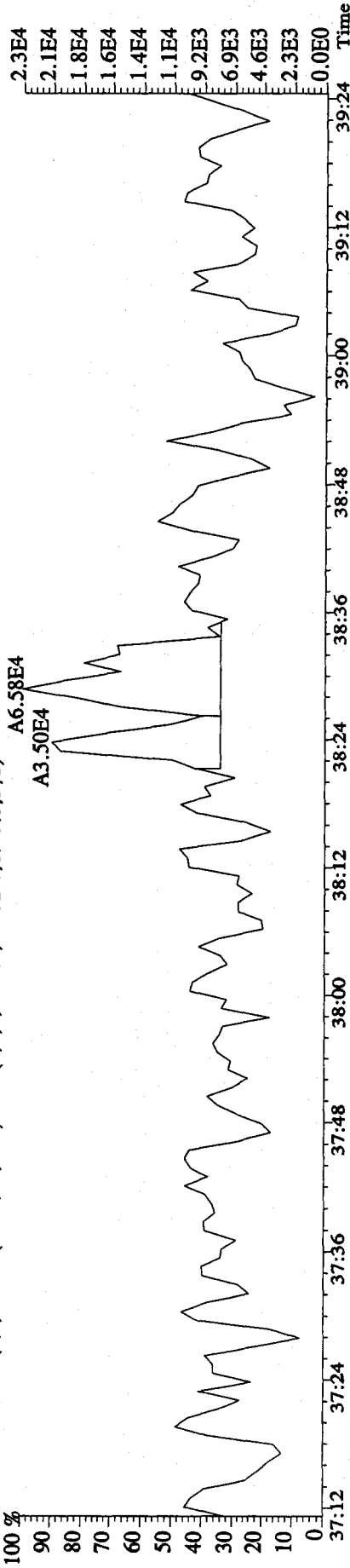


File:06JA10A1D5 #1-161 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE

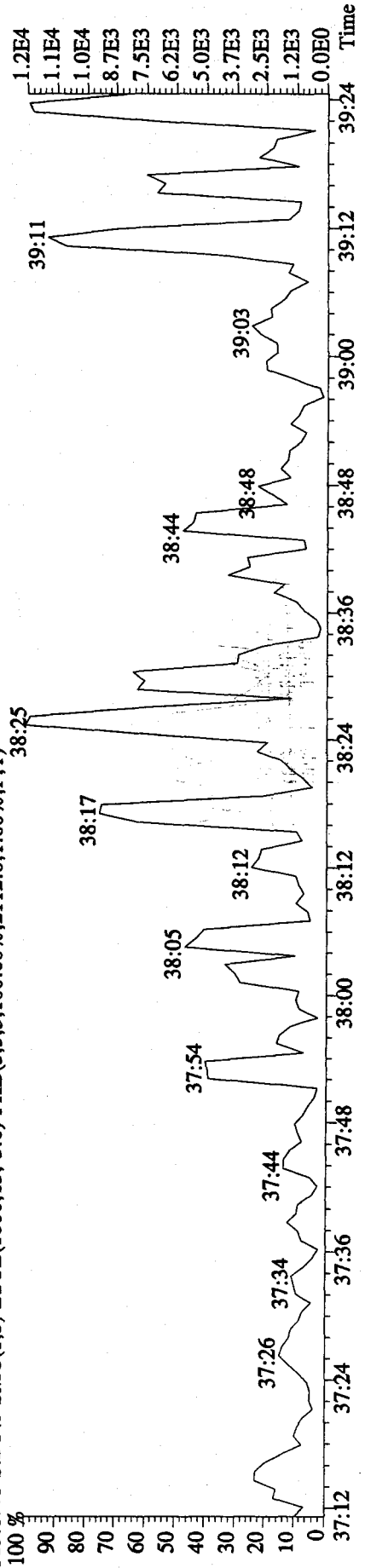
Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5380,0,1,00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10432,0,1,00%,F,T)



513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100,00%,2112,0,1,00%,F,T)

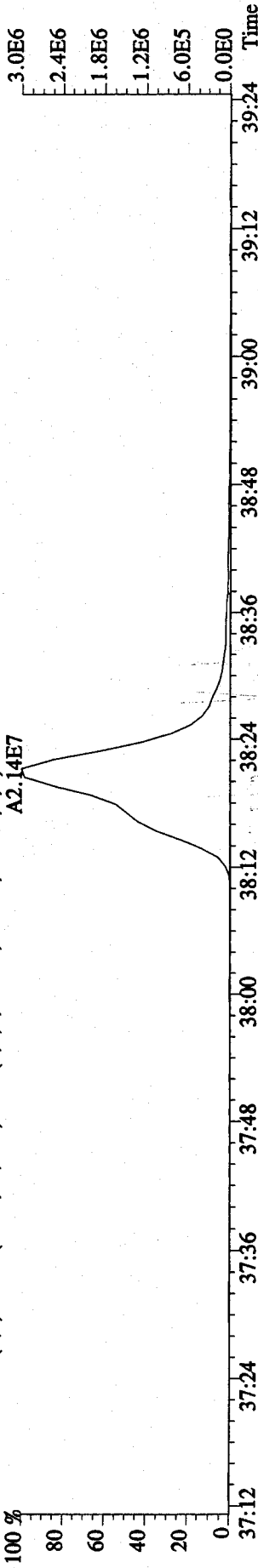


File:06JA10A1D5 #1-161 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE

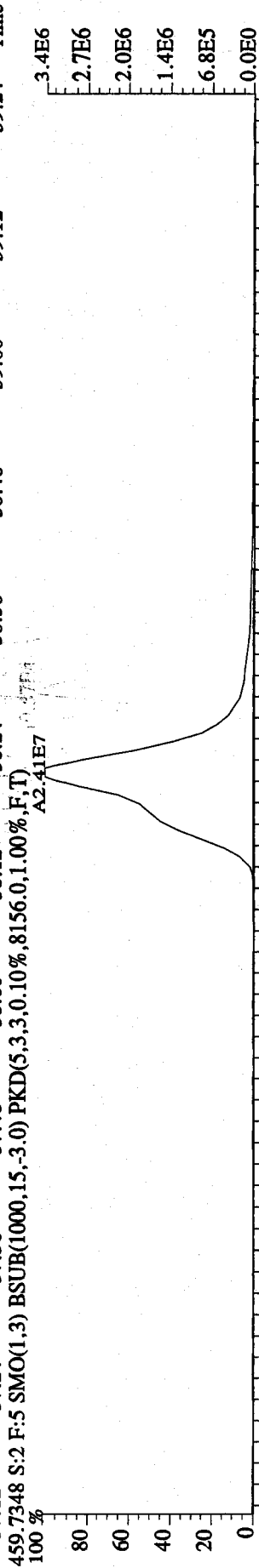
Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN

457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2984.0,1.00%,F,T)

A2.14E7

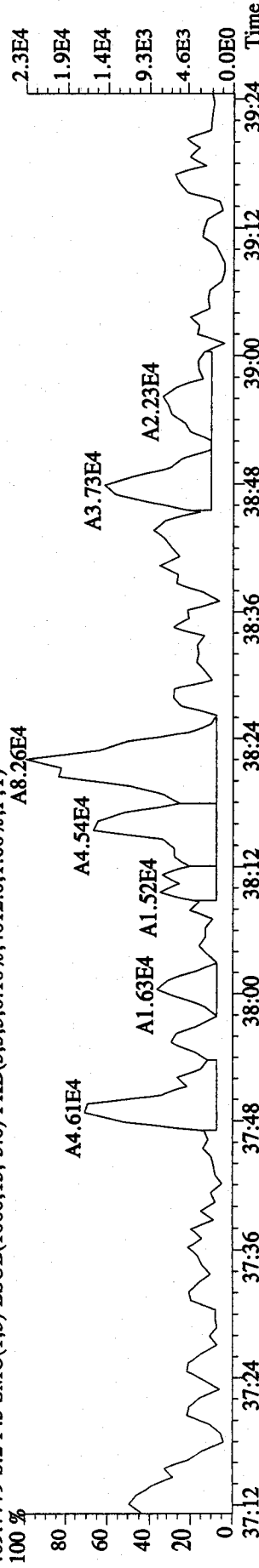


A2.41E7



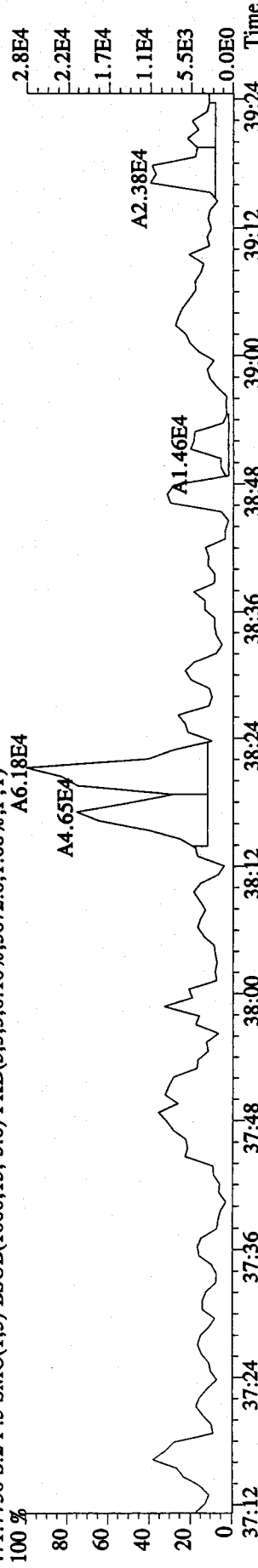
469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4012.0,1.00%,F,T)

A8.26E4

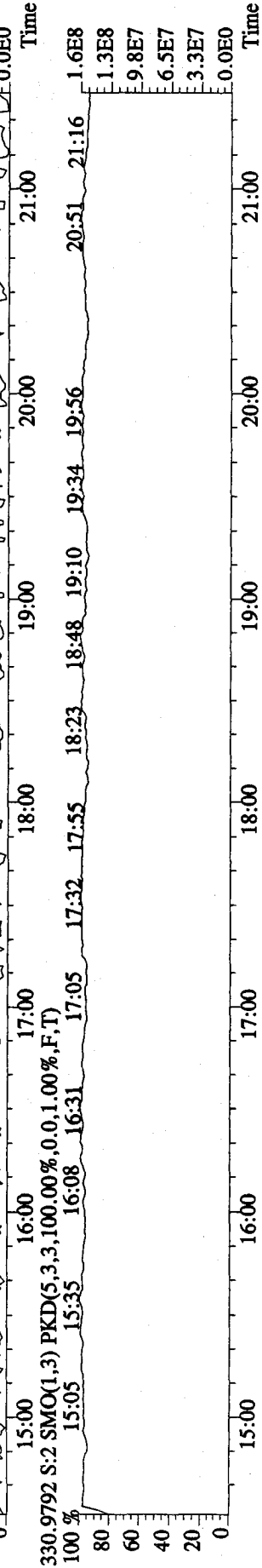
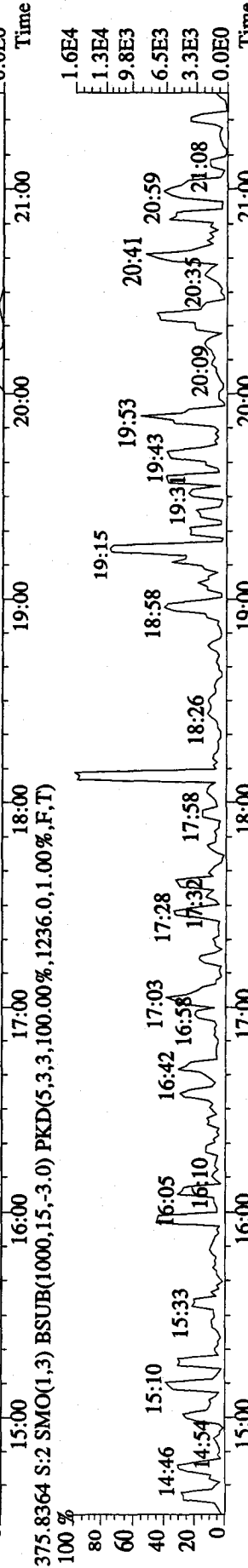
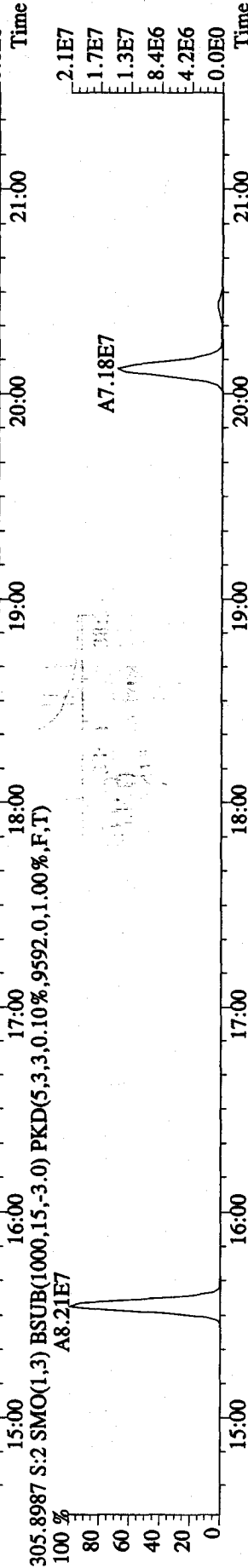
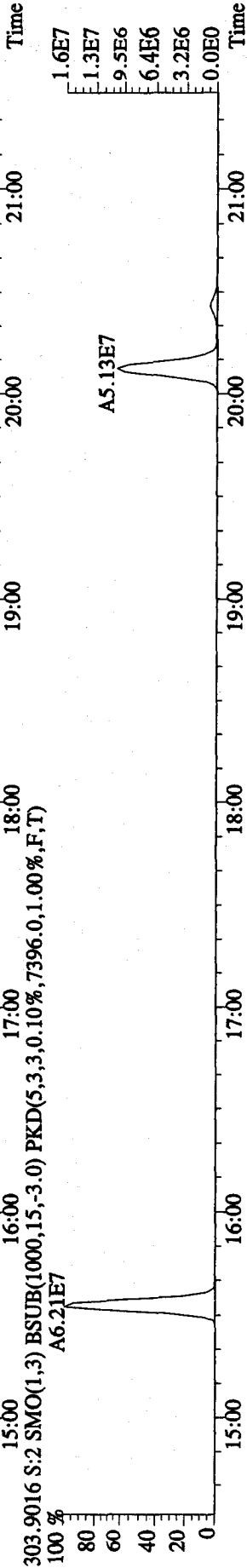
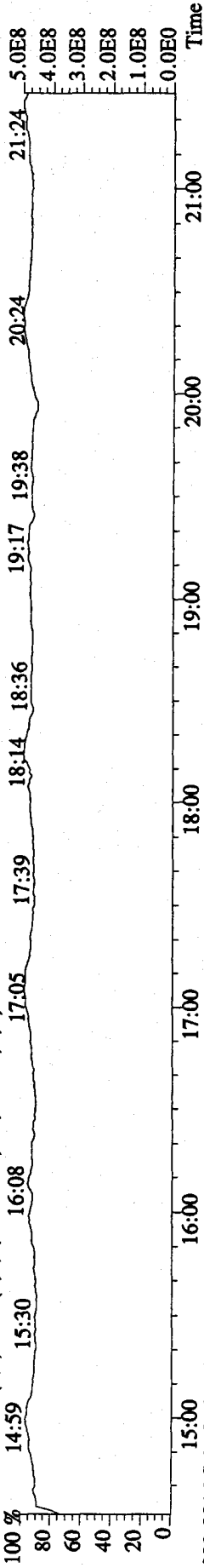


471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5672.0,1.00%,F,T)

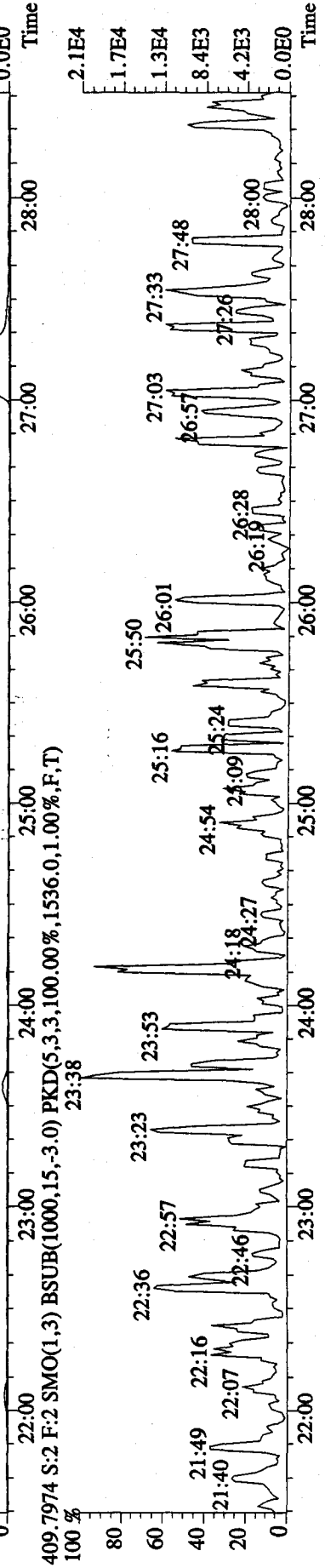
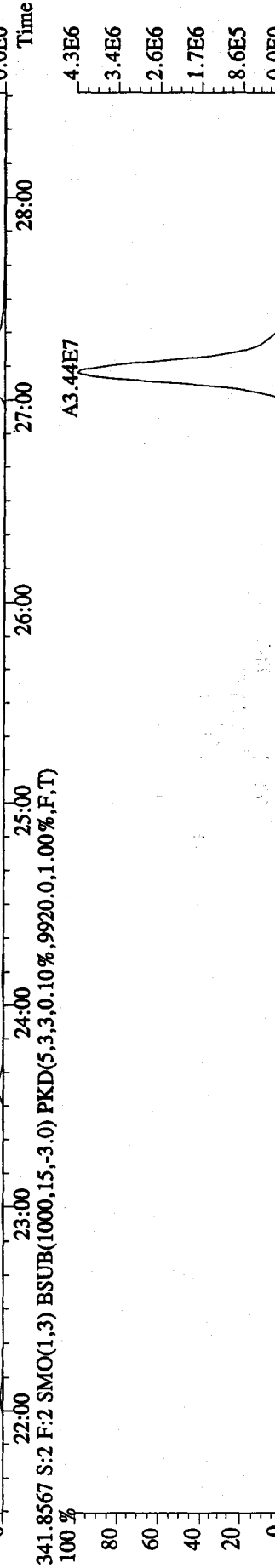
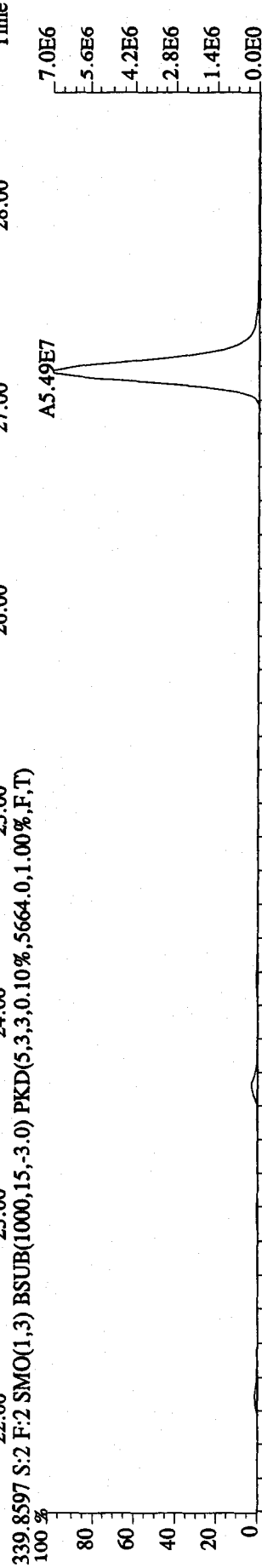
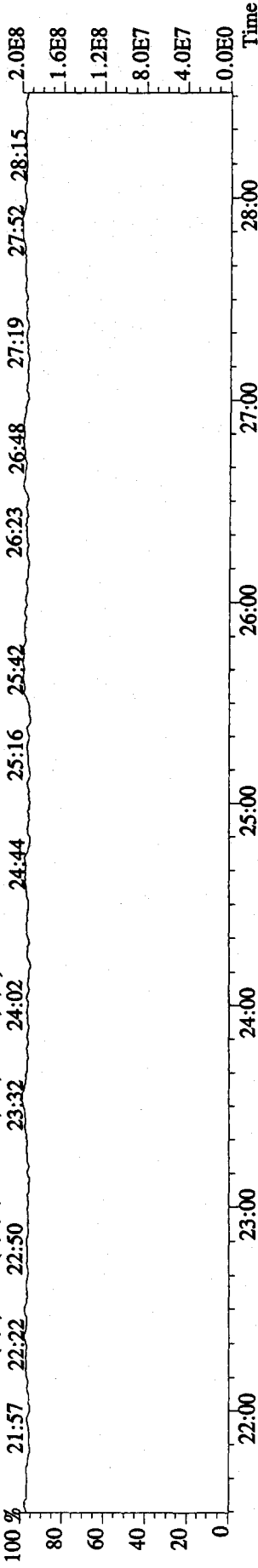
A6.18E4



File: 06JIA10A1D5 #1-411 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text: CP0106 :DB-5 CPSM 3732-04 Exp: DIOXIN  
 292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

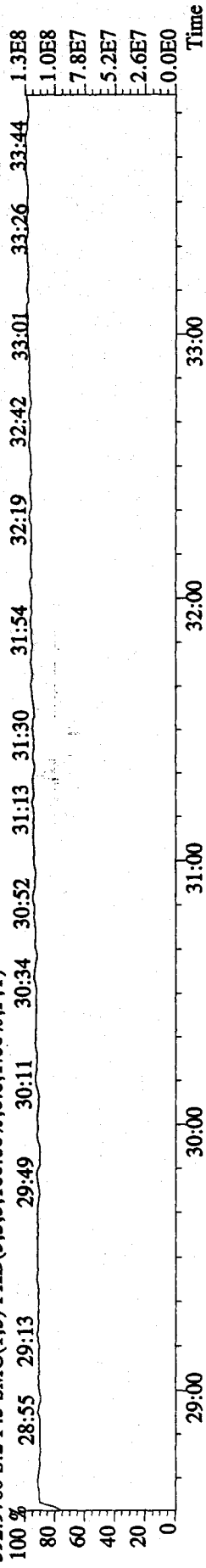


File:06JA10A1D5 #1-495 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 21:57 22:22 22:50 23:32 24:02 24:44 25:16 25:42 26:23 26:48 27:19 27:52 28:15

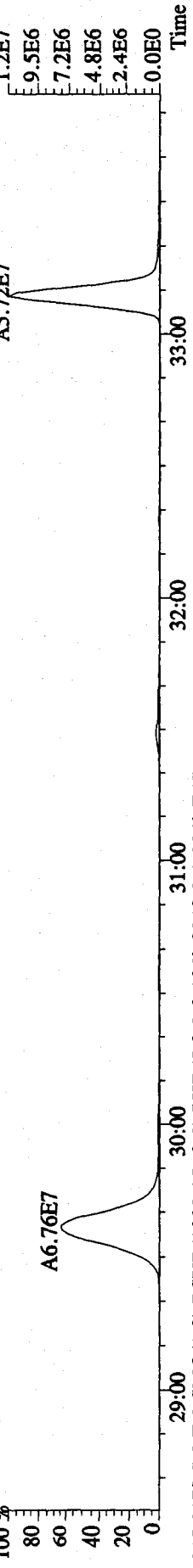




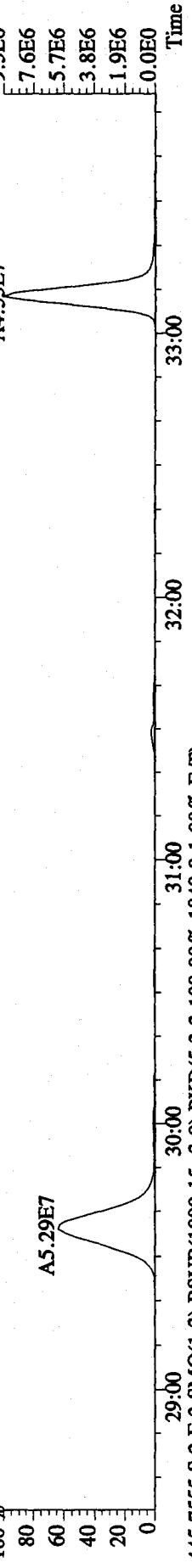
File: 06JA10A1D5 #1-361 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text: CP0106 :DB-5 CPSM 3732-04 Exp: DIOXIN  
 392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



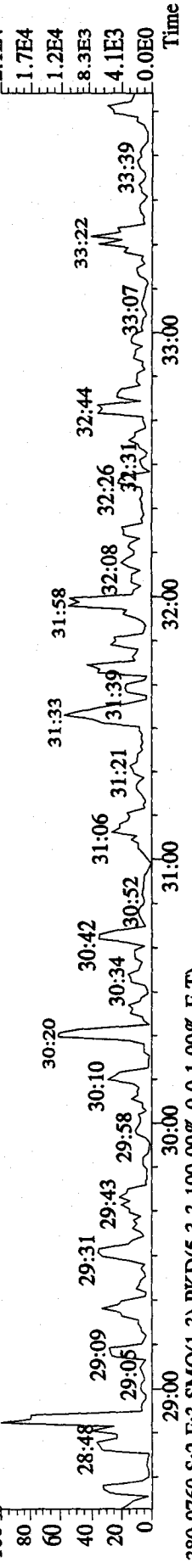
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13704.0,1.00%,F,T)



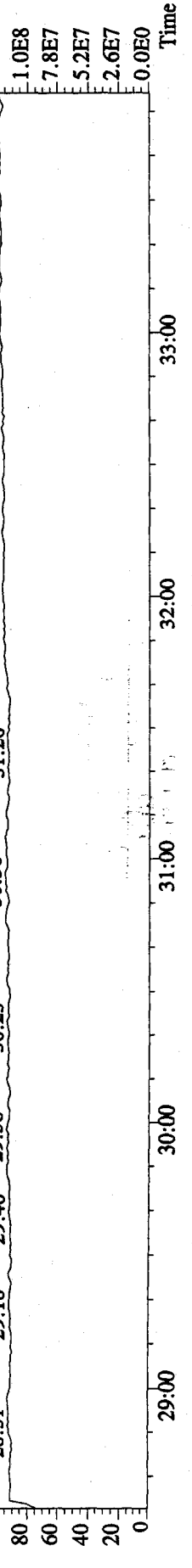
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9348.0,1.00%,F,T)



445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1840.0,1.00%,F,T)

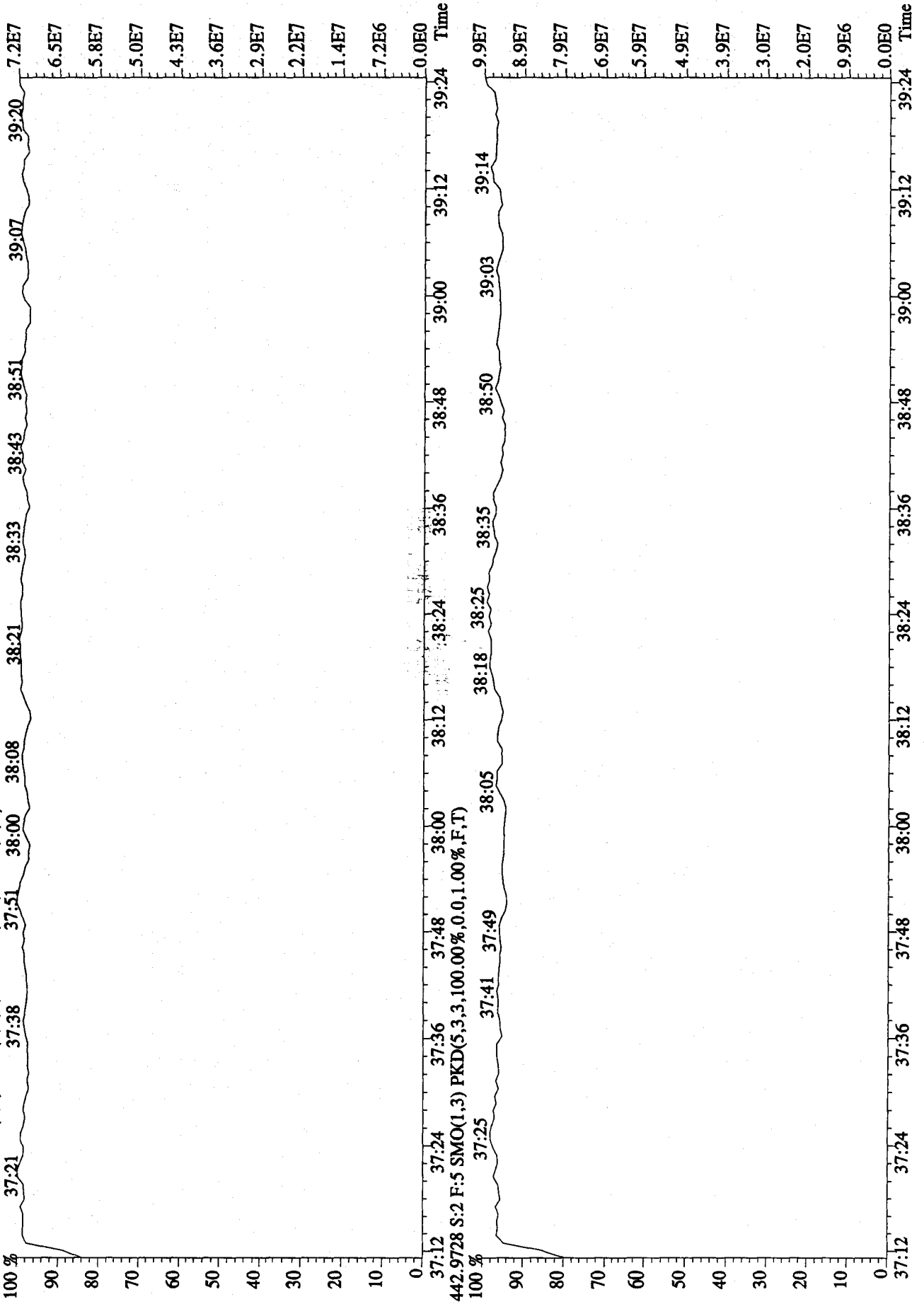


380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

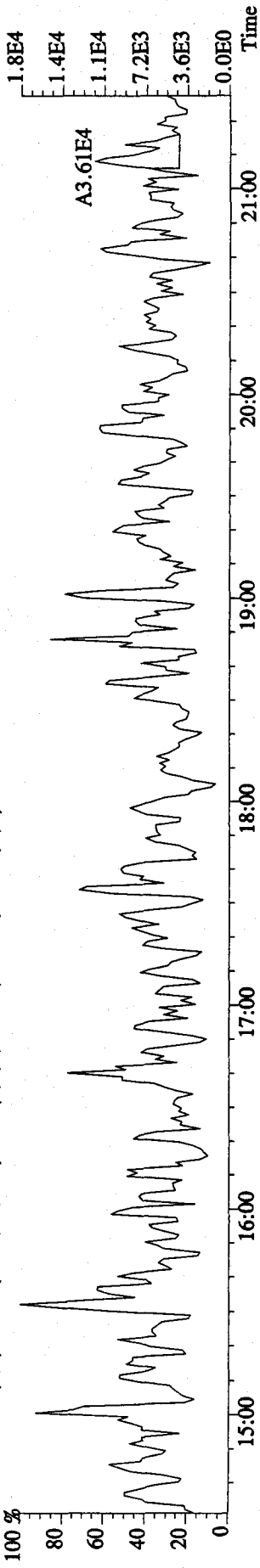




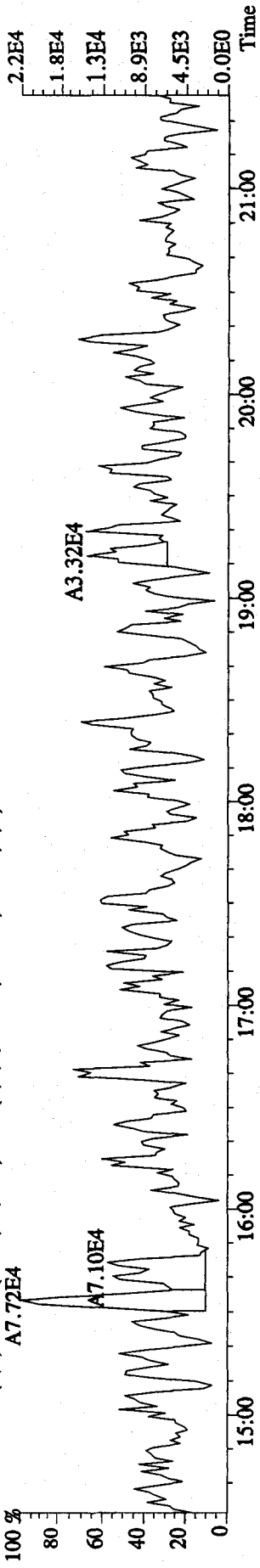
File:06JA10A1D5 #1-161 Acq: 6-JAN-2010 22:51:45 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:CP0106 :DB-5 CPSM 3732-04 Exp:DIOXIN  
 454.9728 S:2 F:5 SMO(1.3) PKD(5.3,3,100.00% 0.0,1.00%,F,T)



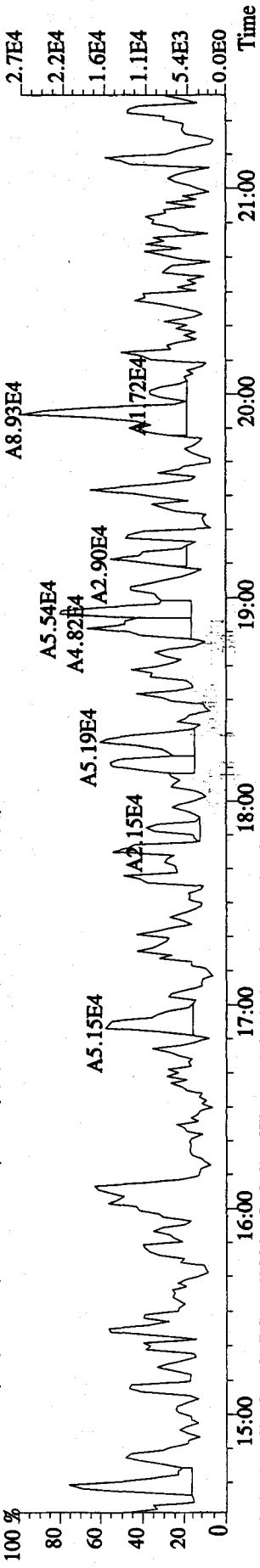
File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN  
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7780.0,1.00%,F,T)



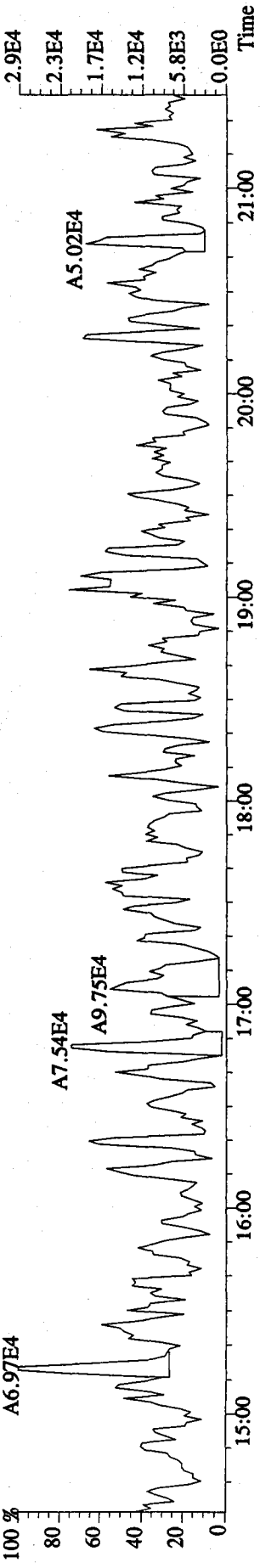
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9380.0,1.00%,F,T)



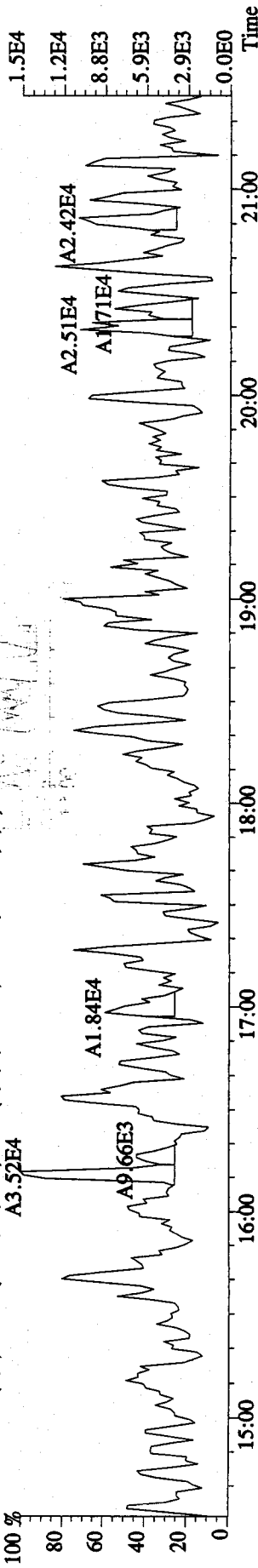
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7520.0,1.00%,F,T)



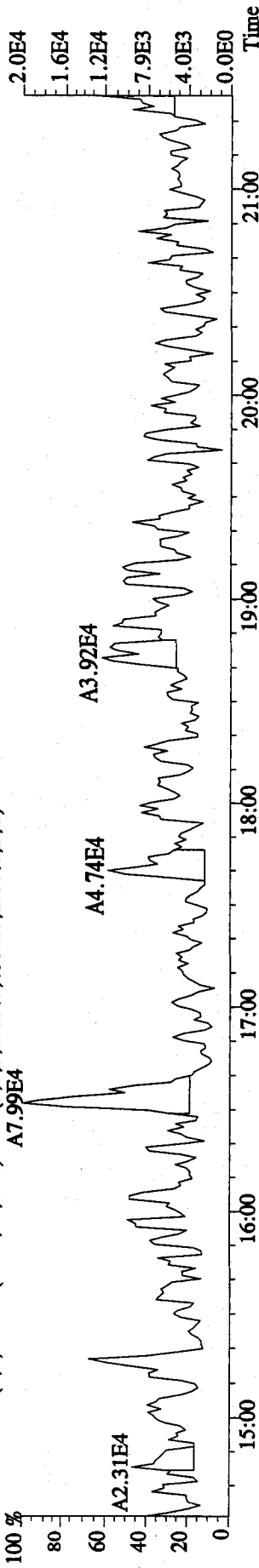
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11640.0,1.00%,F,T)



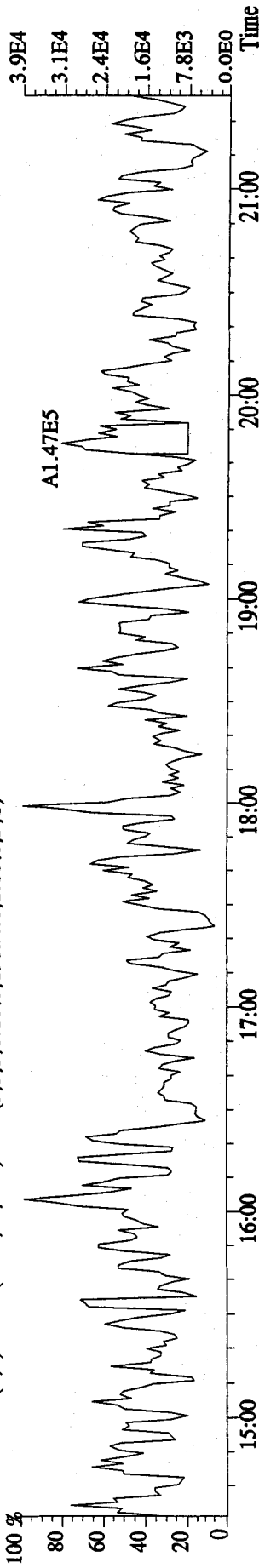
File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN  
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5964.0,1.00%,F,T)  
 A3.52E4



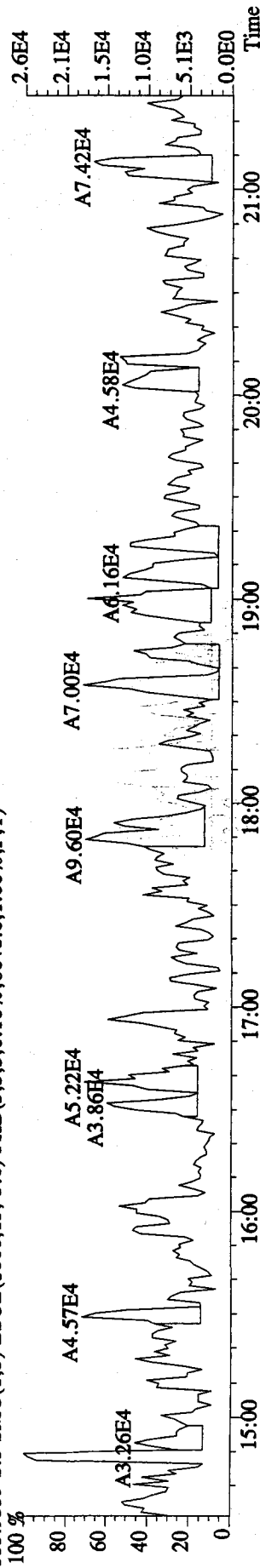
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6300.0,1.00%,F,T)  
 A7.99E4



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19824.0,1.00%,F,T)  
 A1.47E5



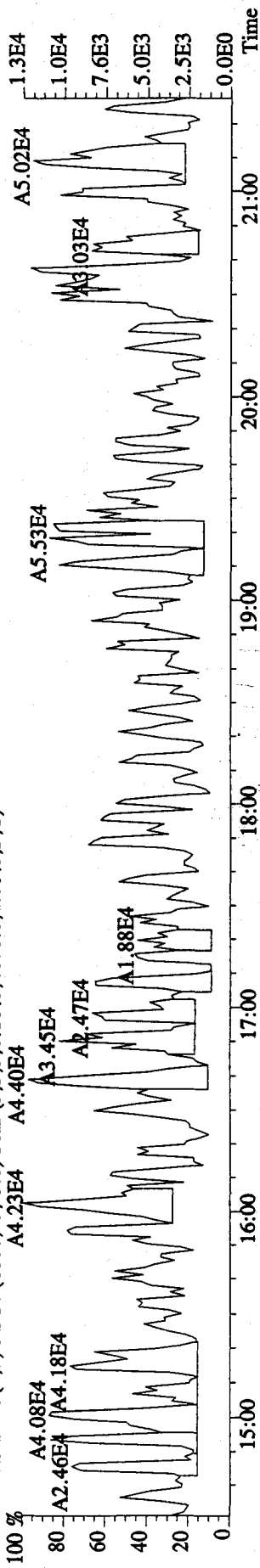
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6648.0,1.00%,F,T)  
 A3.26E4, A4.57E4, A5.22E4, A7.00E4, A9.60E4, A1.16E4, A4.58E4, A7.42E4



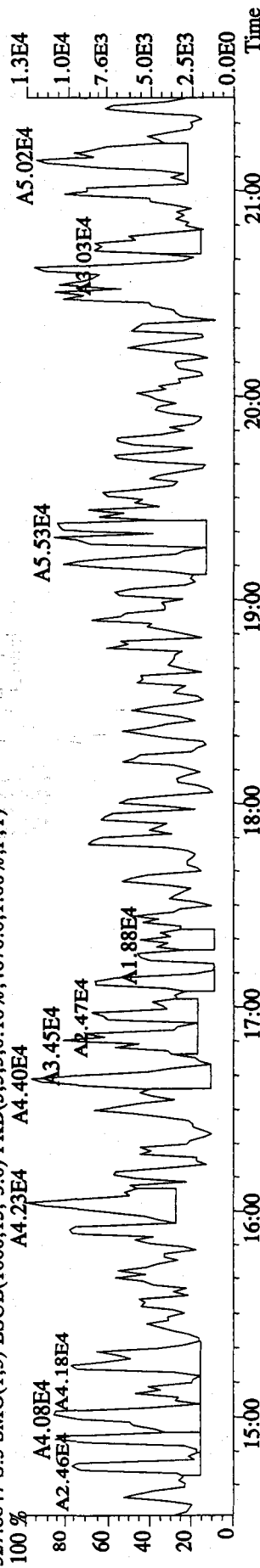
File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

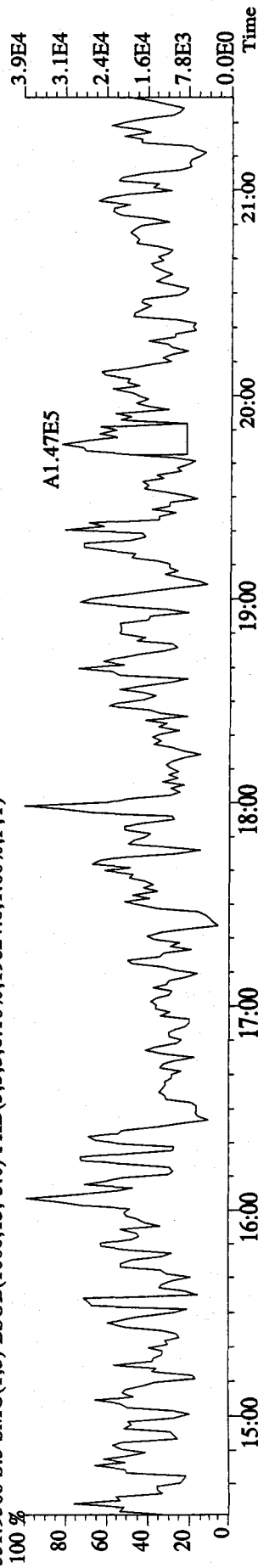
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4676,0.1,0.00%,F,T)



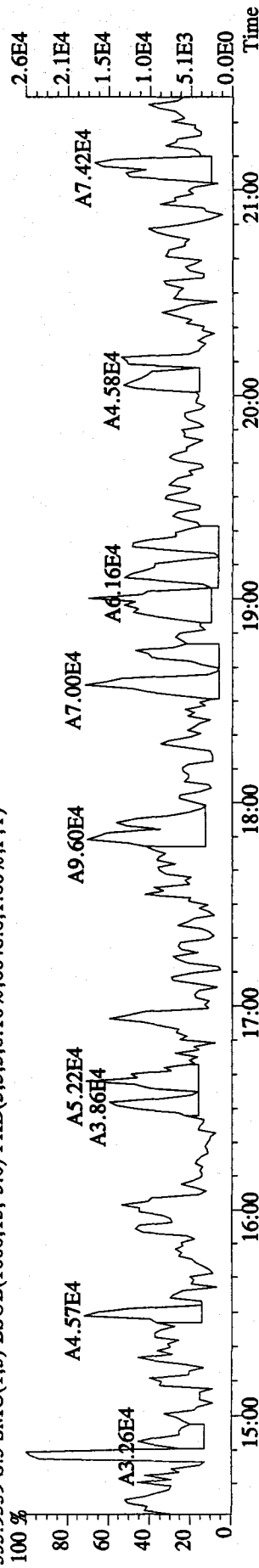
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4676,0.1,0.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,19824,0.1,0.00%,F,T)



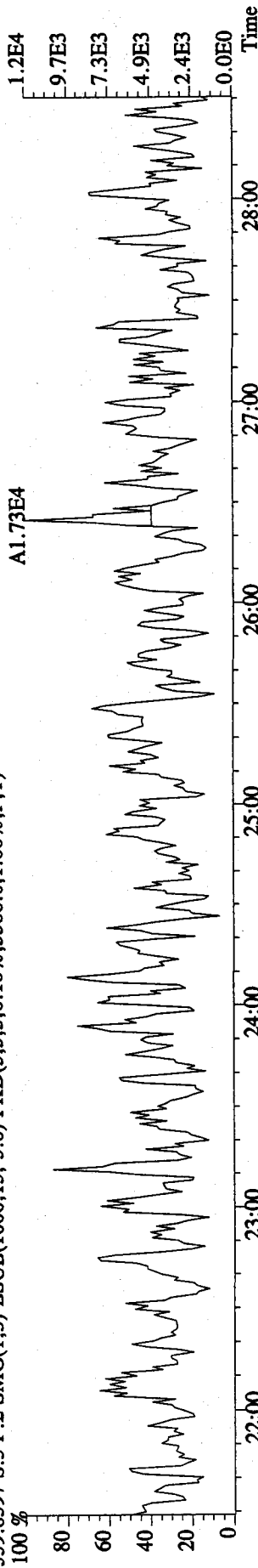
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6648,0.1,0.00%,F,T)



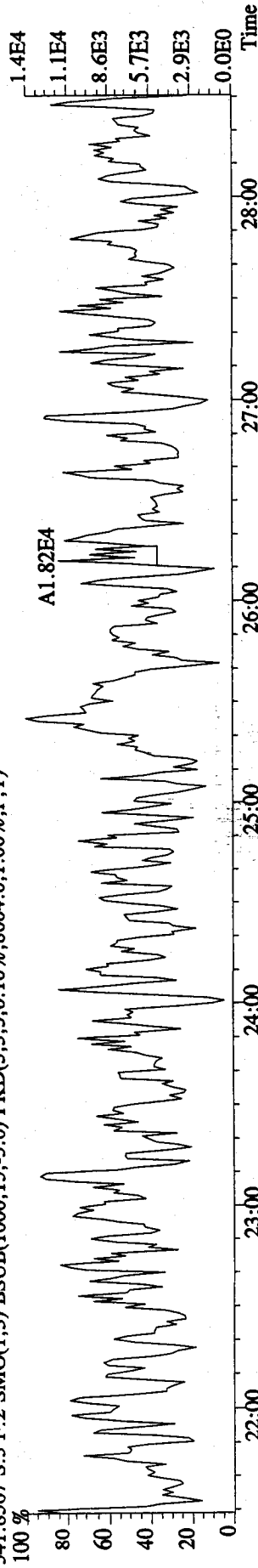
File:061A10A1D5 #1-495 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

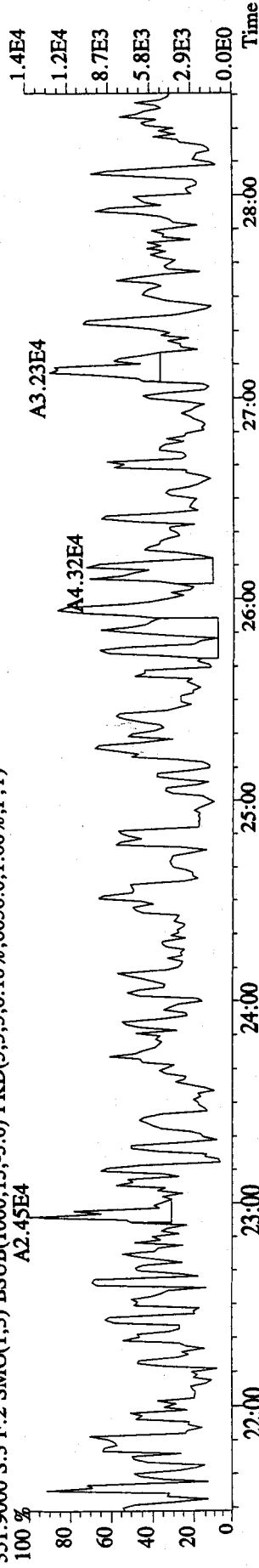
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5388.0,1.00%,F,T)



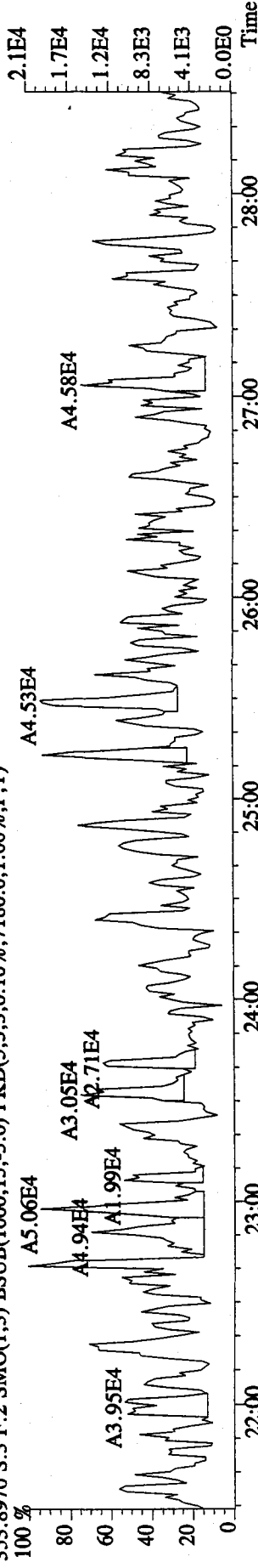
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8604.0,1.00%,F,T)



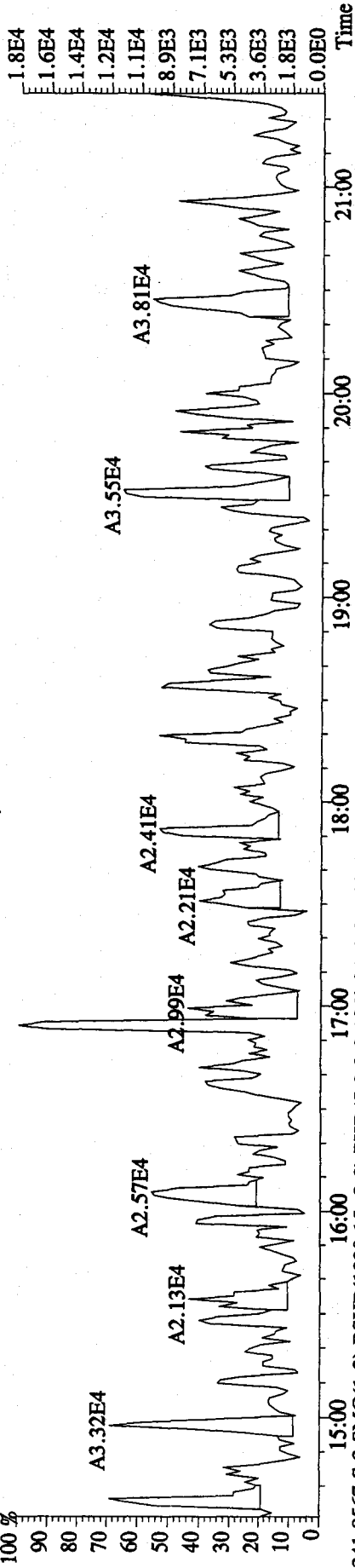
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6636.0,1.00%,F,T)



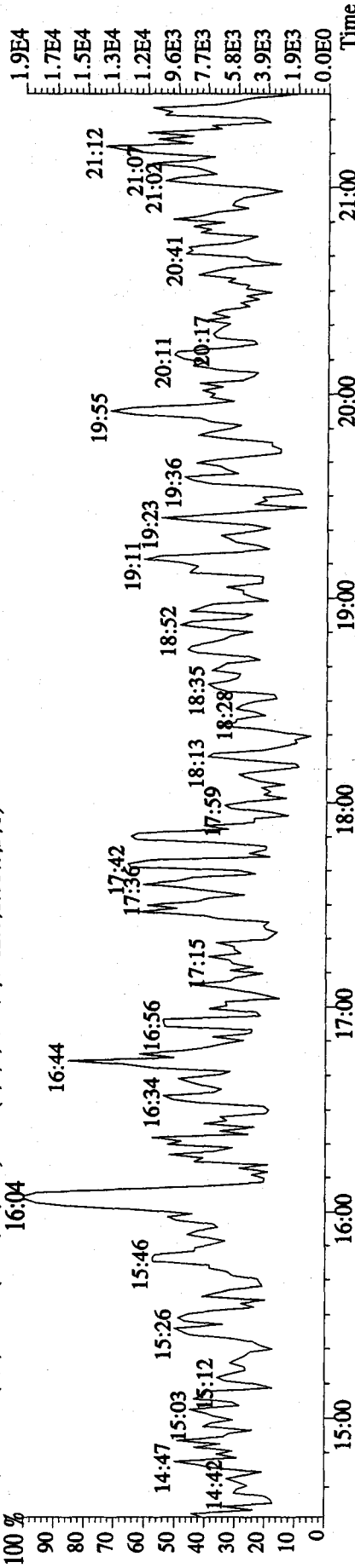
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7180.0,1.00%,F,T)



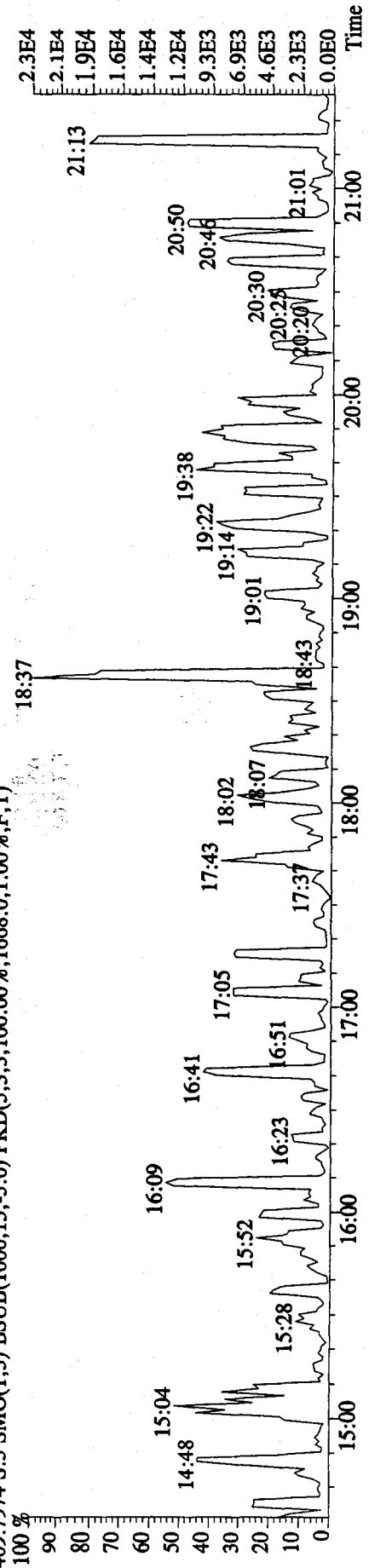
File:06JA10A1D5 #1-411 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN  
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3848.0,1.00%,F,T)



341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8412.0,1.00%,F,T)



409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1668.0,1.00%,F,T)

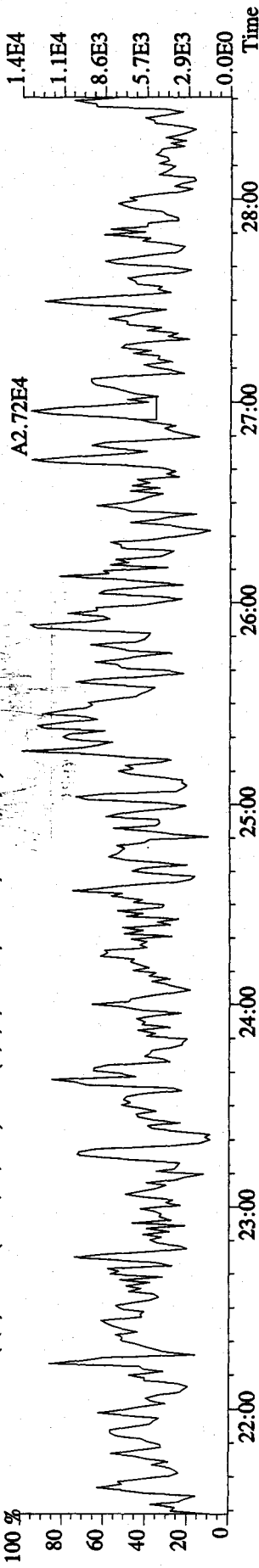




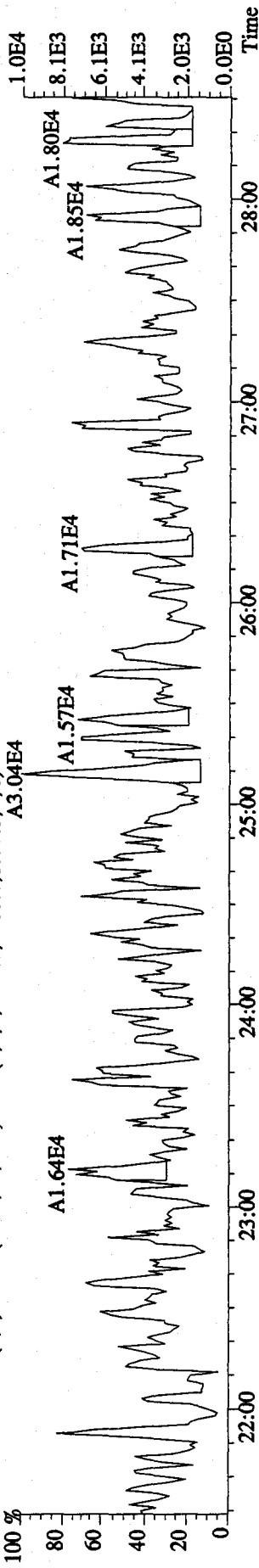
File:06JA10A1D5 #1-495 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

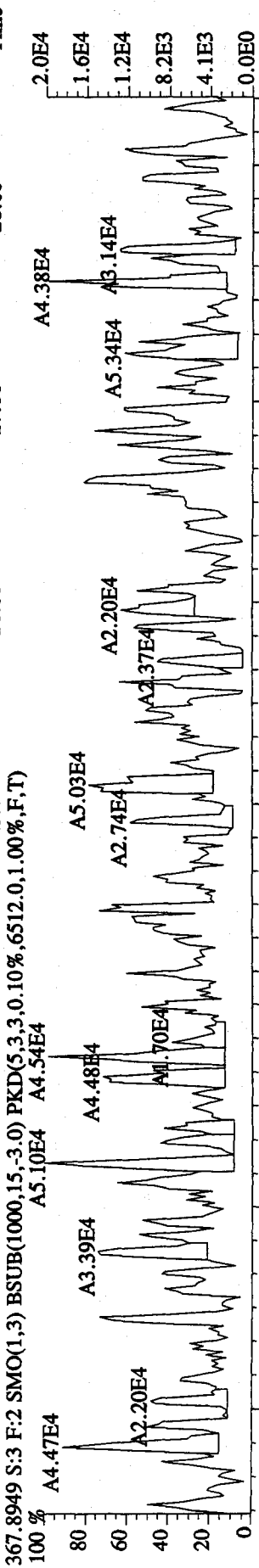
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7528.0,1.00%,F,T)



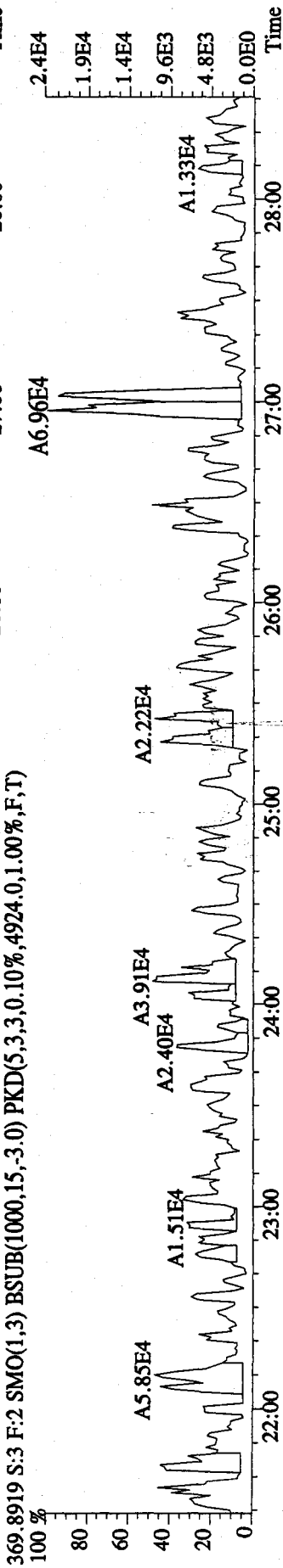
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4180.0,1.00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6512.0,1.00%,F,T)



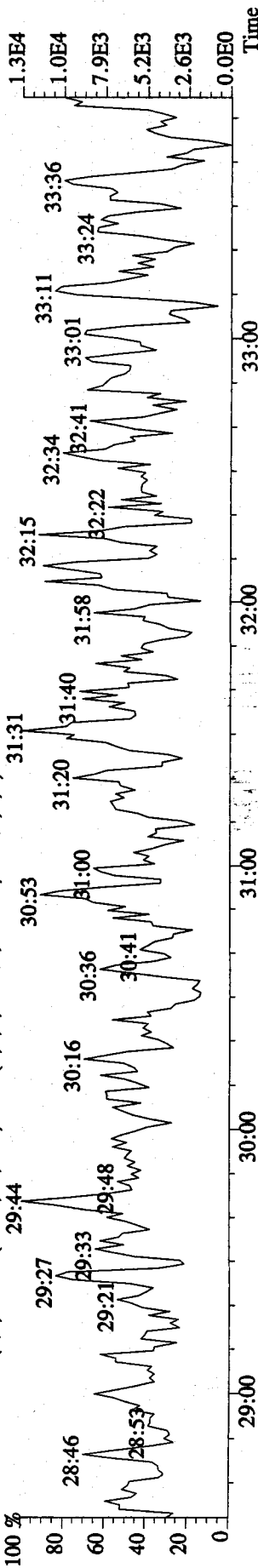
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4924.0,1.00%,F,T)



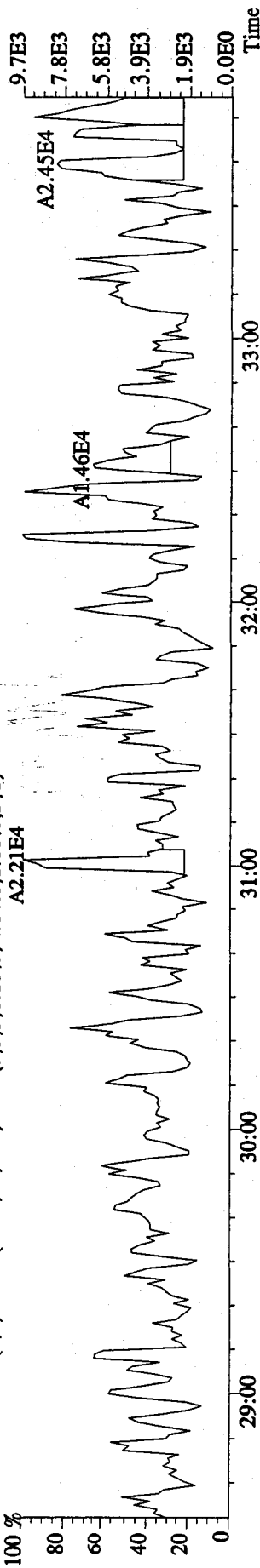
File:06JAI0A1D5 #1-362 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

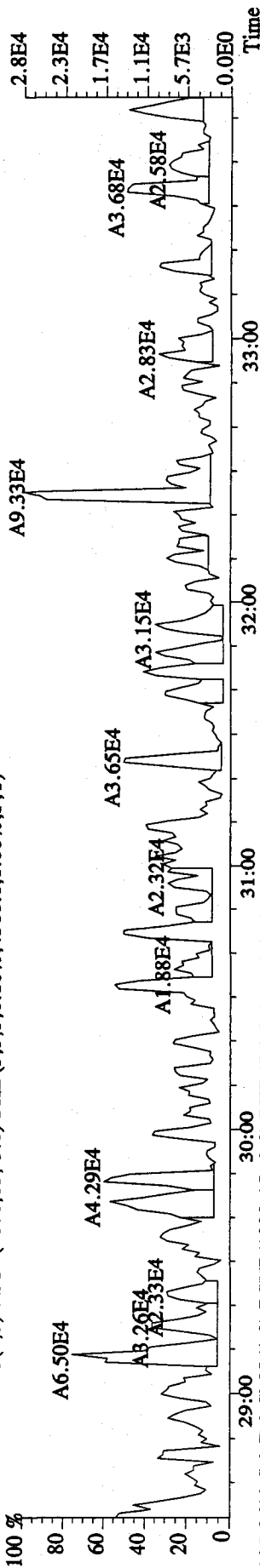
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7680.0,1.00%,F,T)



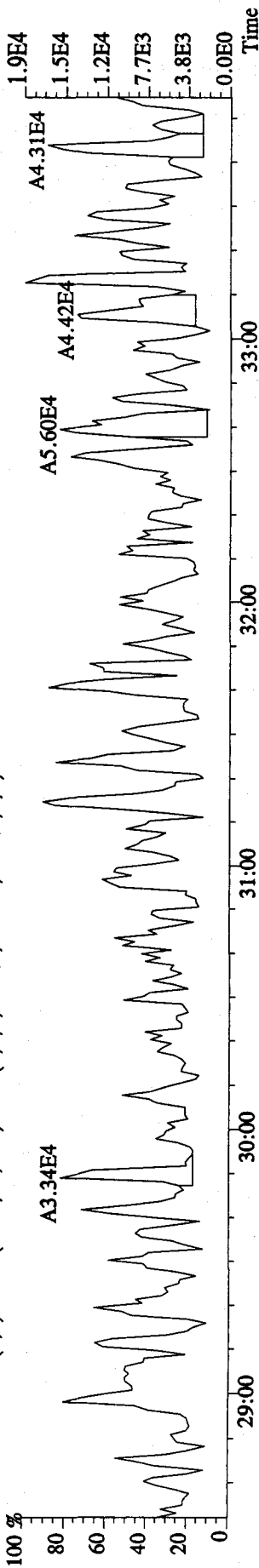
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4284.0,1.00%,F,T)



383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)

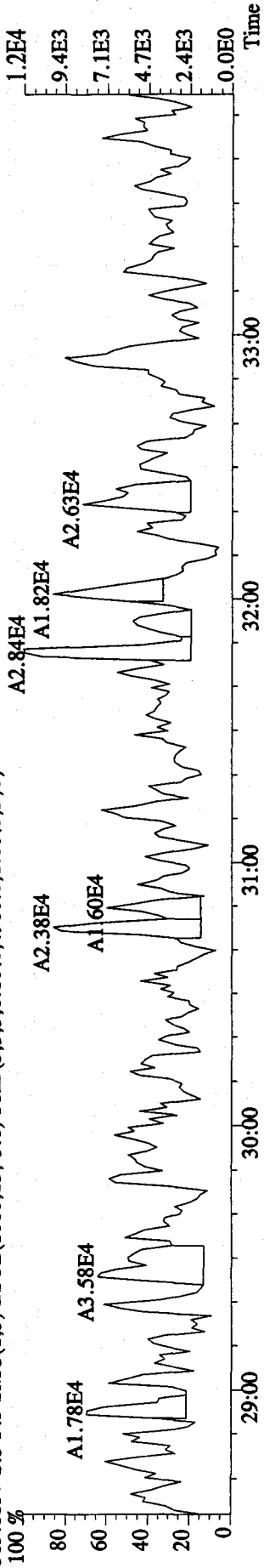


385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8860.0,1.00%,F,T)

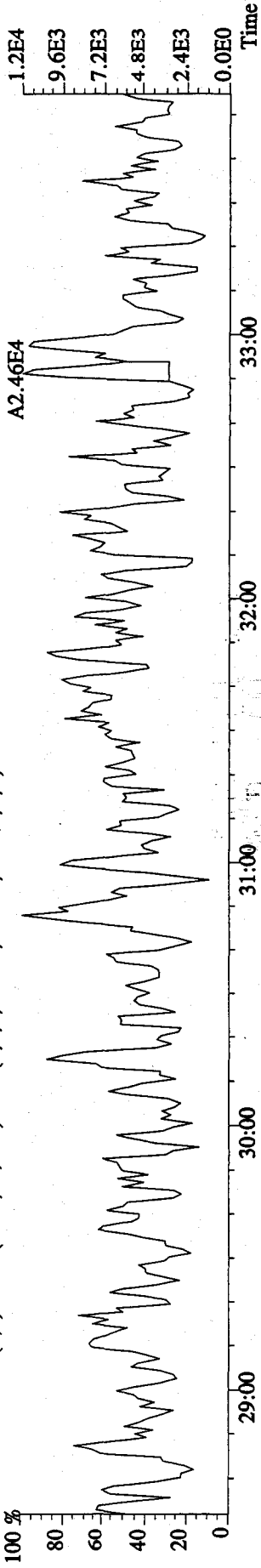


File:06JA10A1D5 #1-362 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

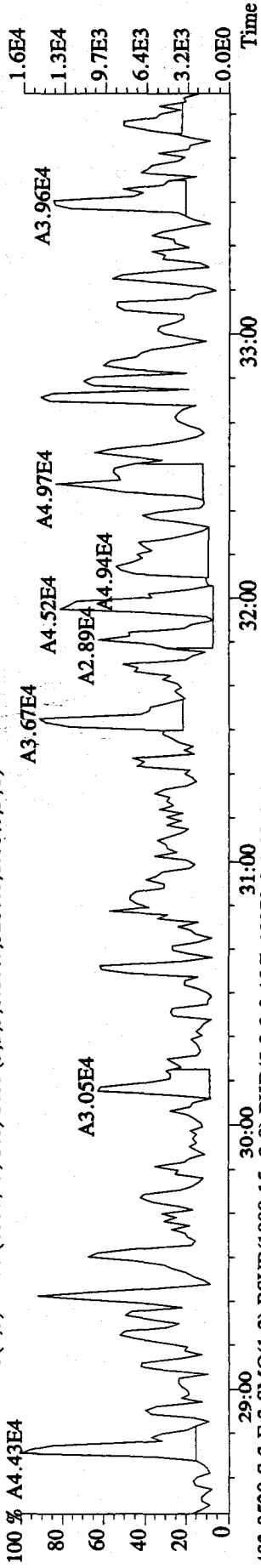
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)



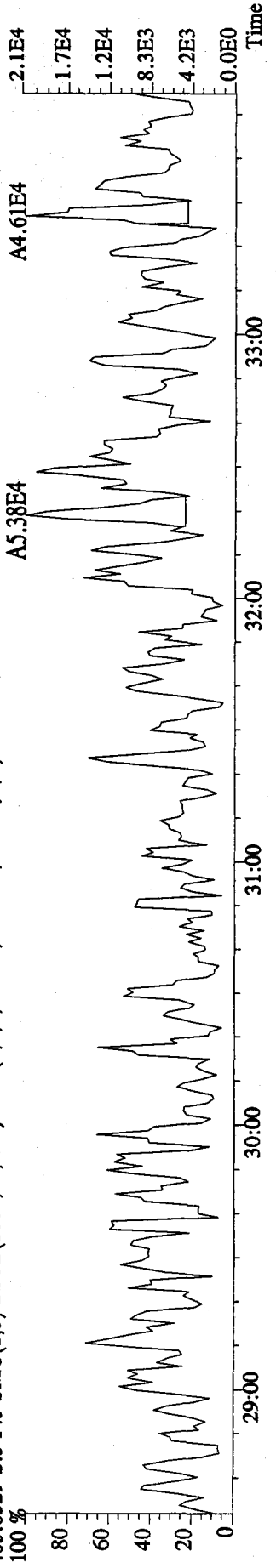
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6896.0,1.00%,F,T)



401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5280.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10272.0,1.00%,F,T)

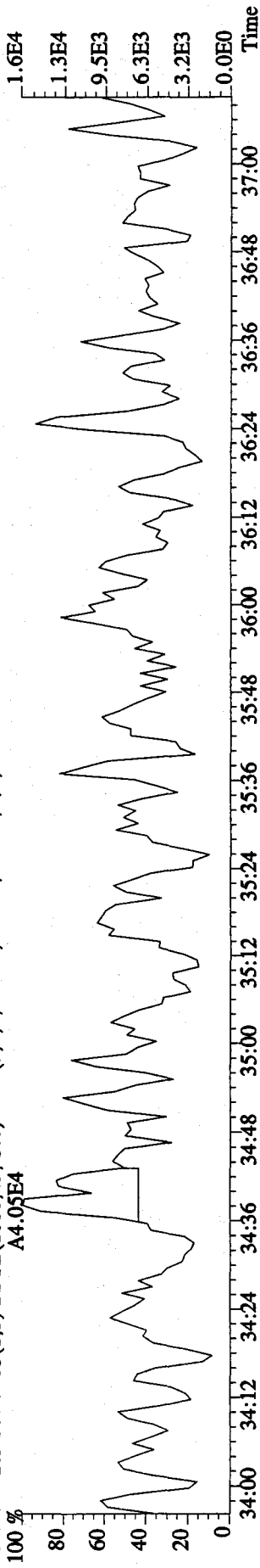


File:06JIA10A1D5 #1-227 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

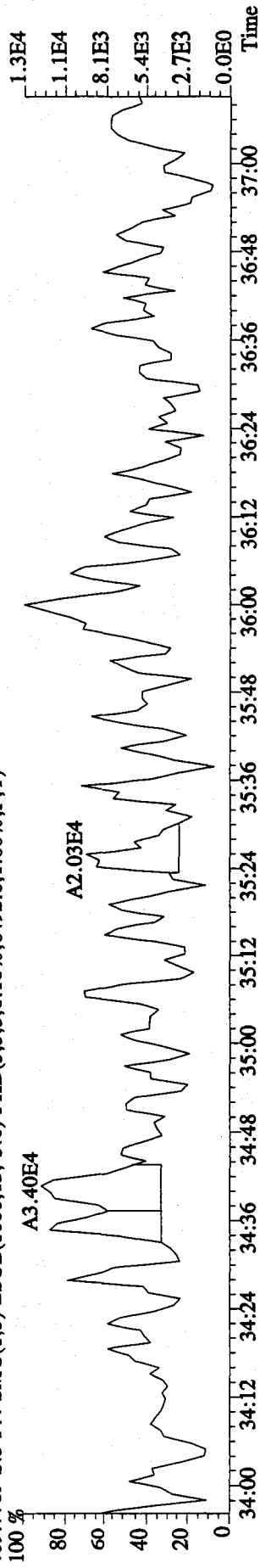
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8456.0,1.00%,F,T)

100% A4.05E4



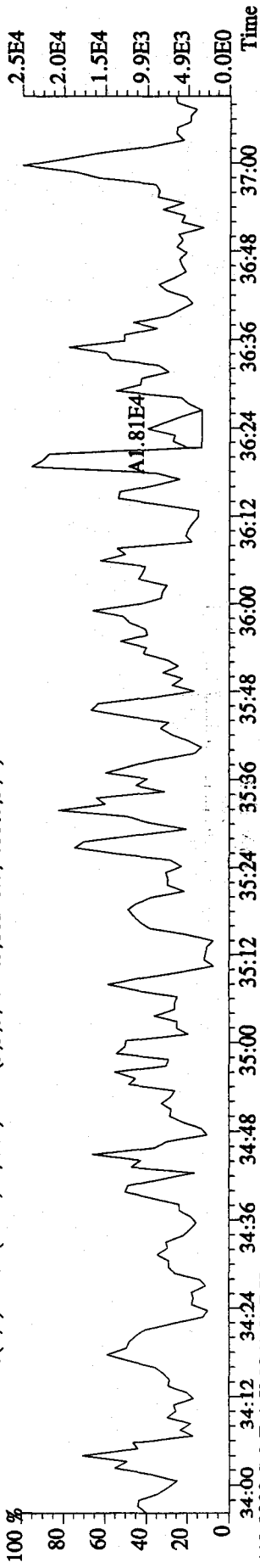
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6492.0,1.00%,F,T)

100% A3.40E4



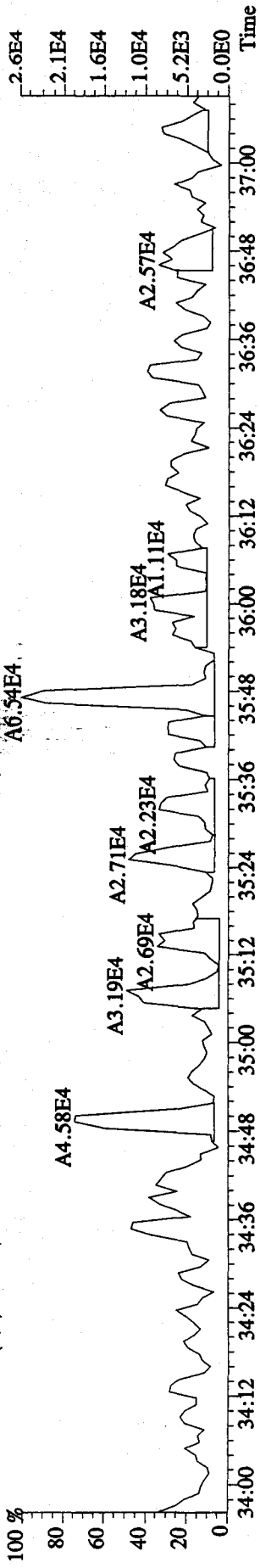
417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11276.0,1.00%,F,T)

100%



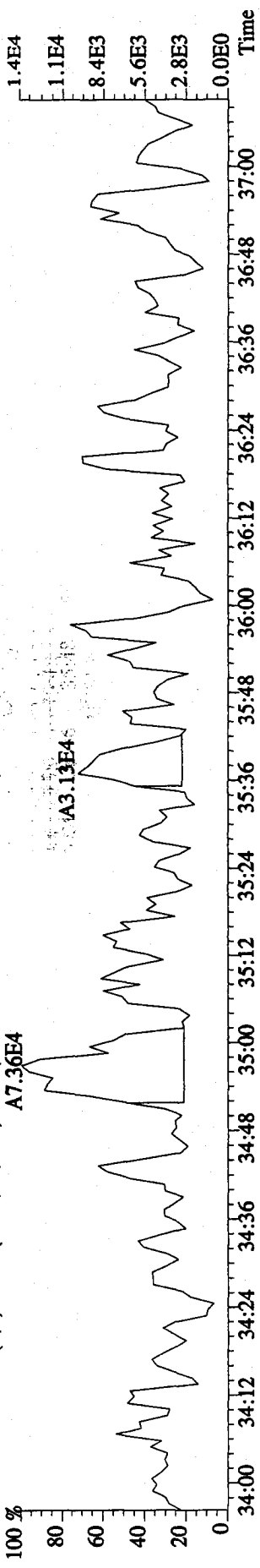
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4856.0,1.00%,F,T)

100%

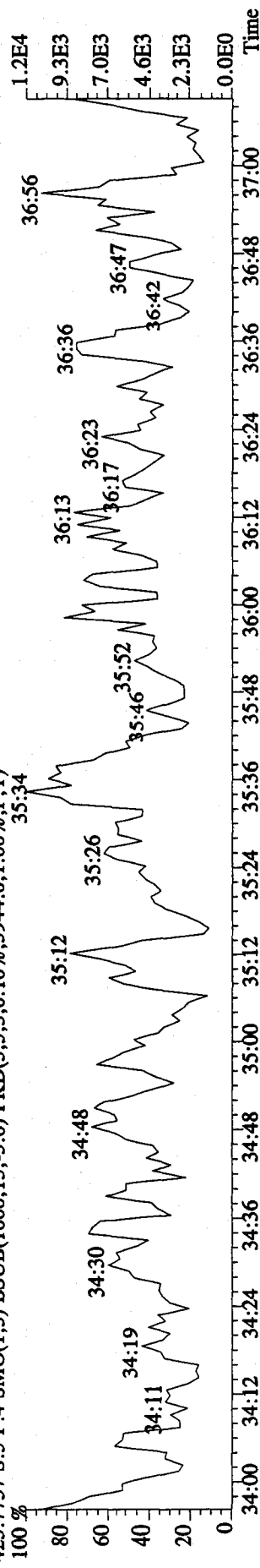


File:06JA10A1D5 #1-227 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

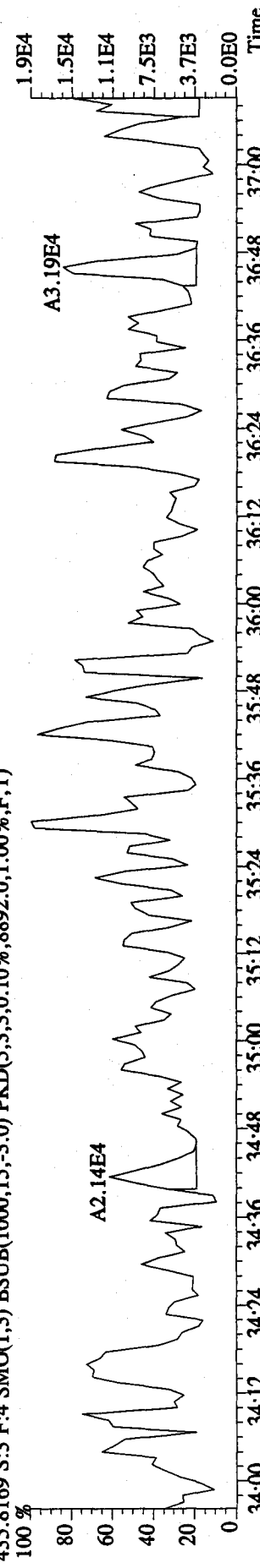
Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN  
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5832.0,1.00%,F,T)  
A7.36E4



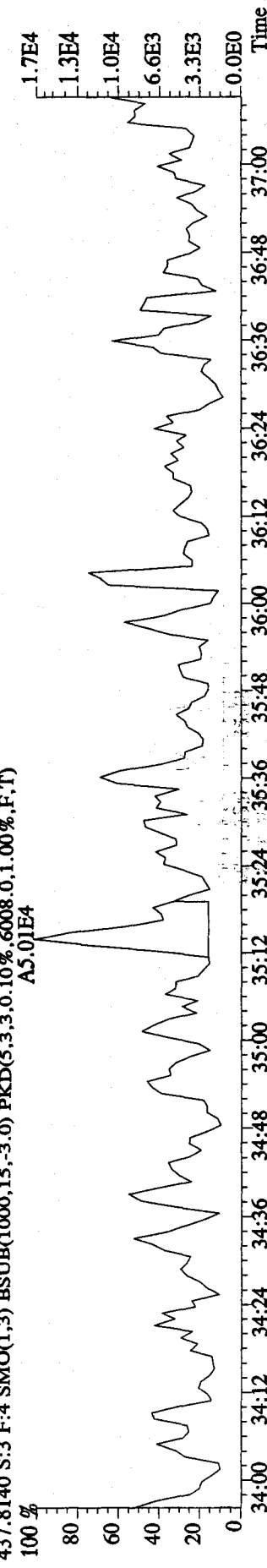
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5944.0,1.00%,F,T)  
35:34



435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8892.0,1.00%,F,T)



437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6008.0,1.00%,F,T)

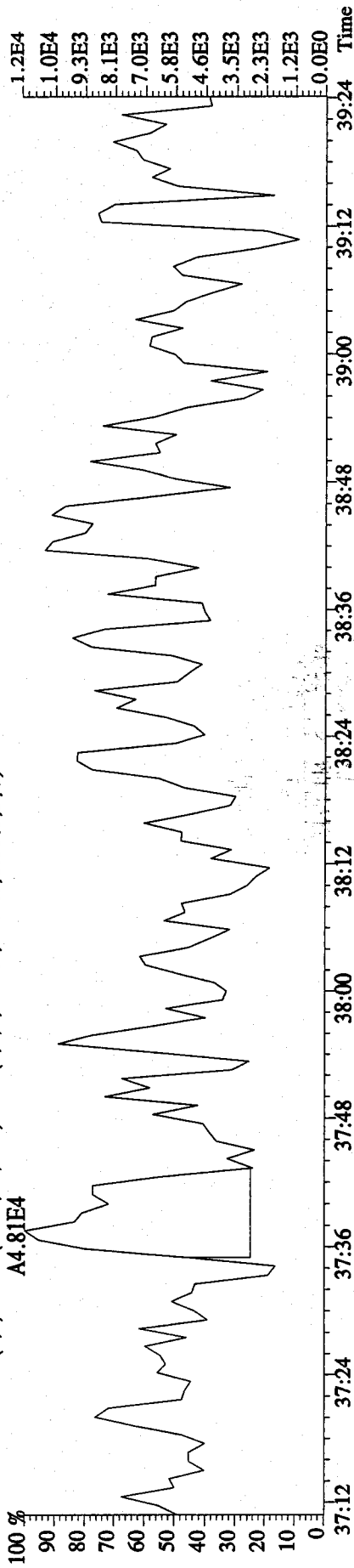


File:06JA10AID5 #1-161 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

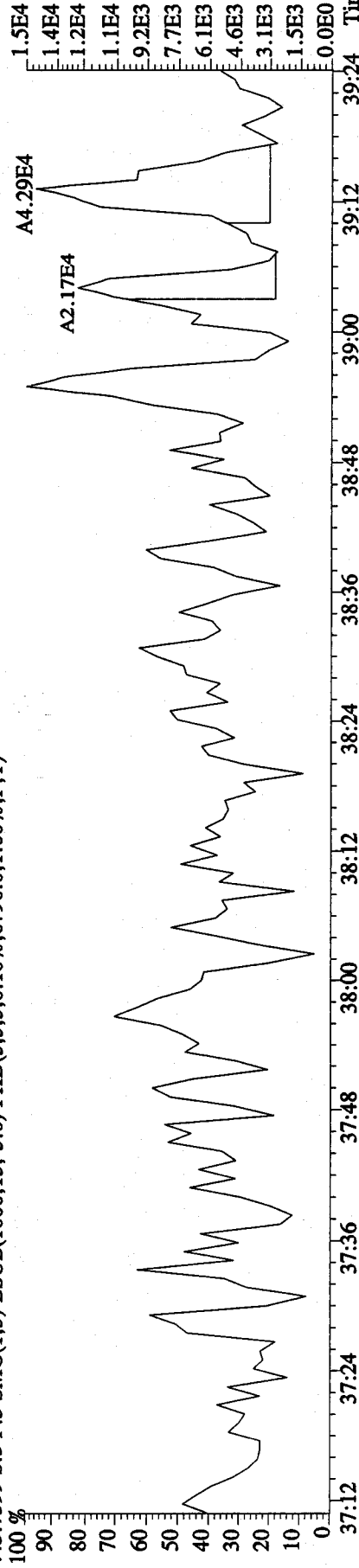
Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7912.0,1.00%,F,T)

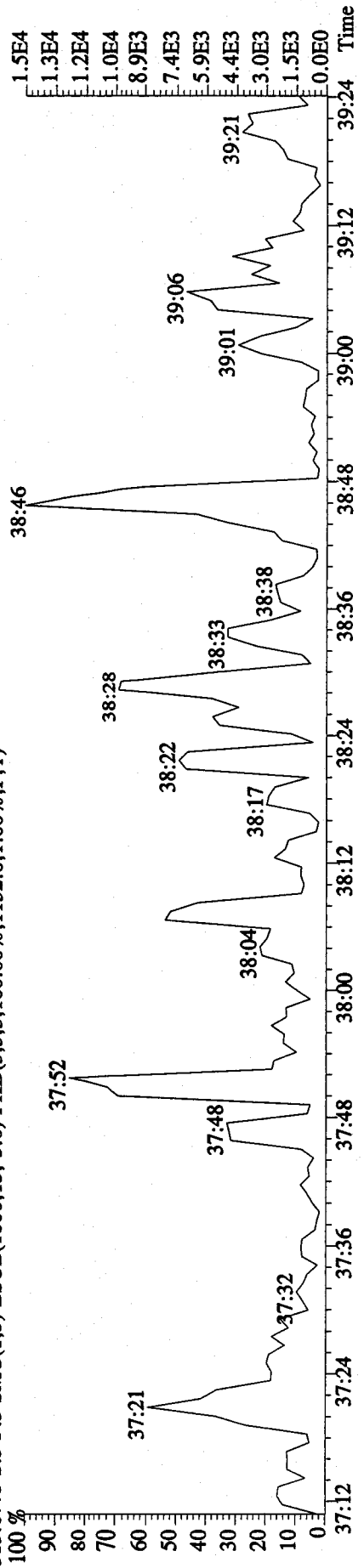
A4.81E4



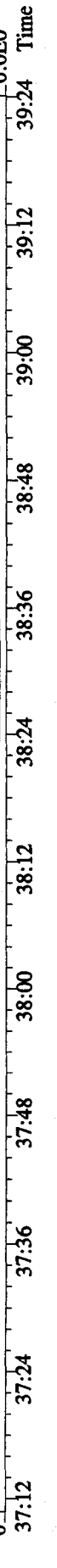
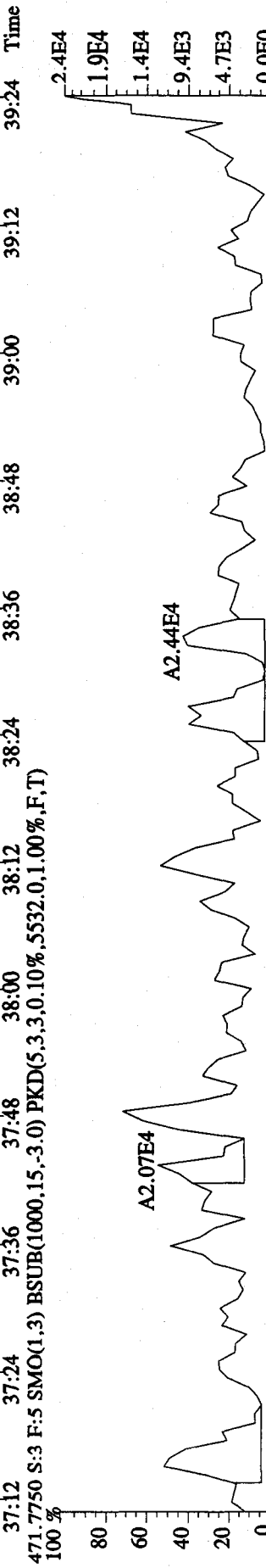
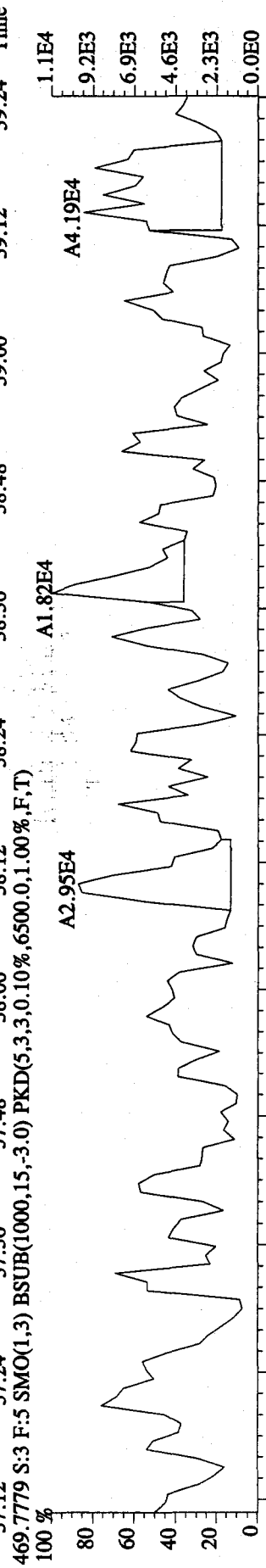
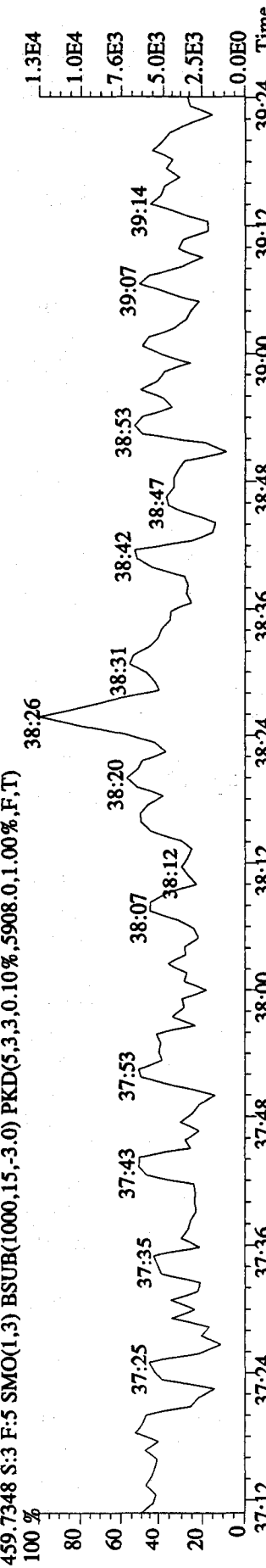
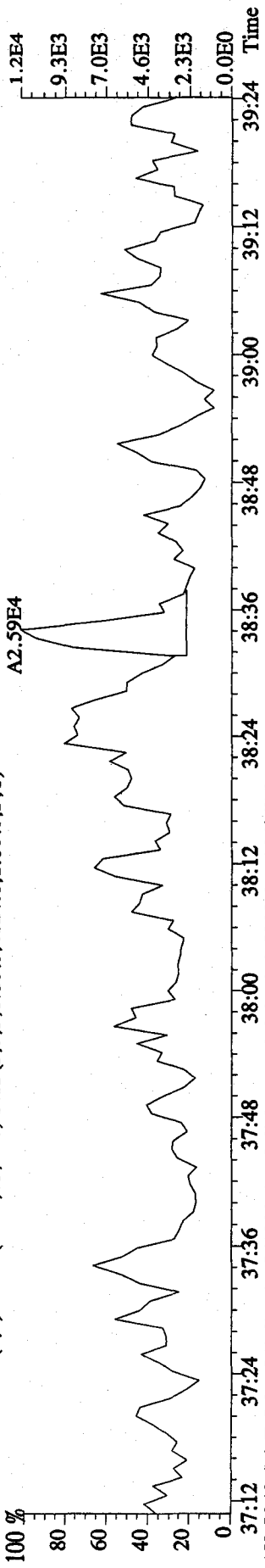
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6796.0,1.00%,F,T)



513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1132.0,1.00%,F,T)



File:061A10A1D5 #1-161 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN  
 457.7377 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4824.0,1.00%,F,T)

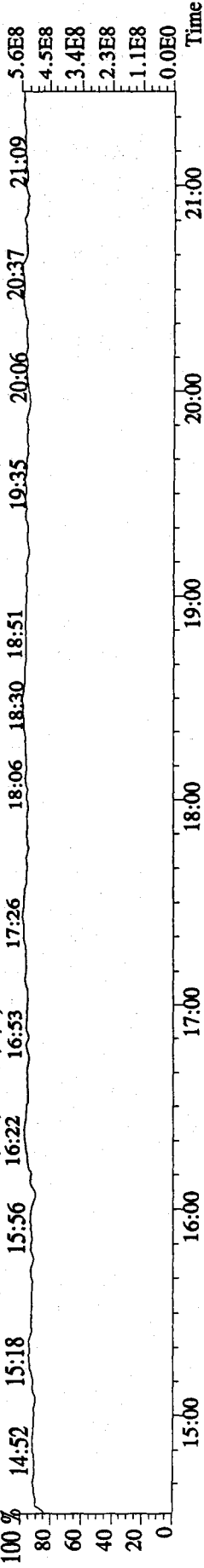


File:06\A10A1D5 #1-411 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

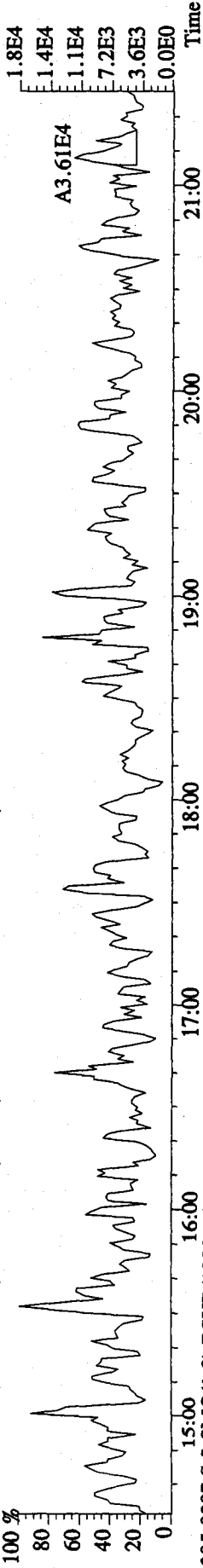
Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

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

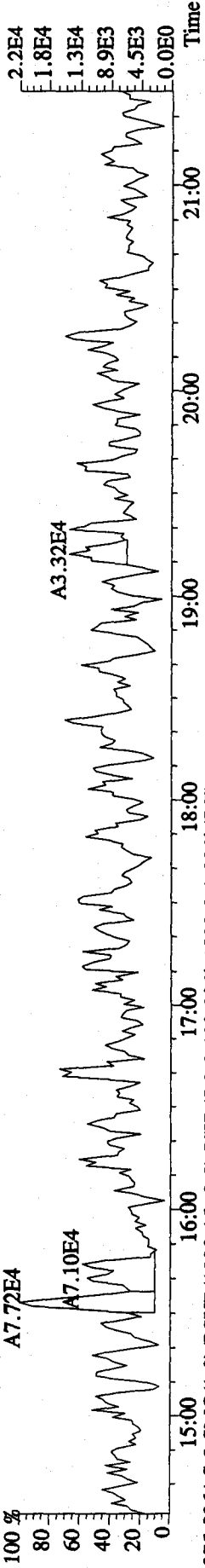
100 % 14:52 15:18 15:56 16:22 16:53 17:26 18:06 18:30 18:51 19:35 20:06 20:37 21:09



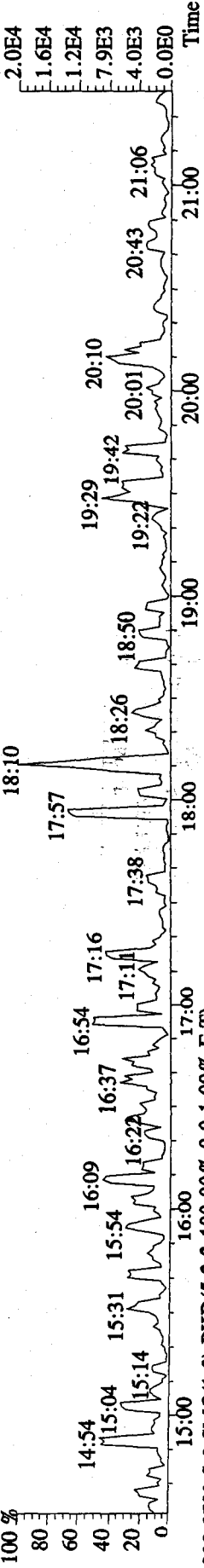
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7780.0,1.00%,F,T)



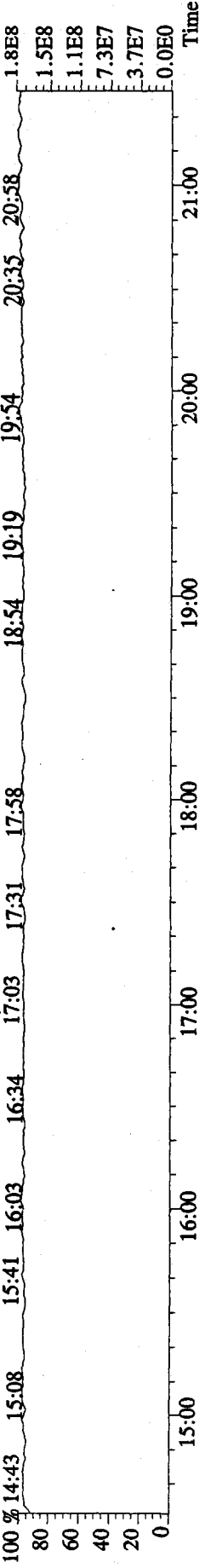
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9380.0,1.00%,F,T)



375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1828.0,1.00%,F,T)



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



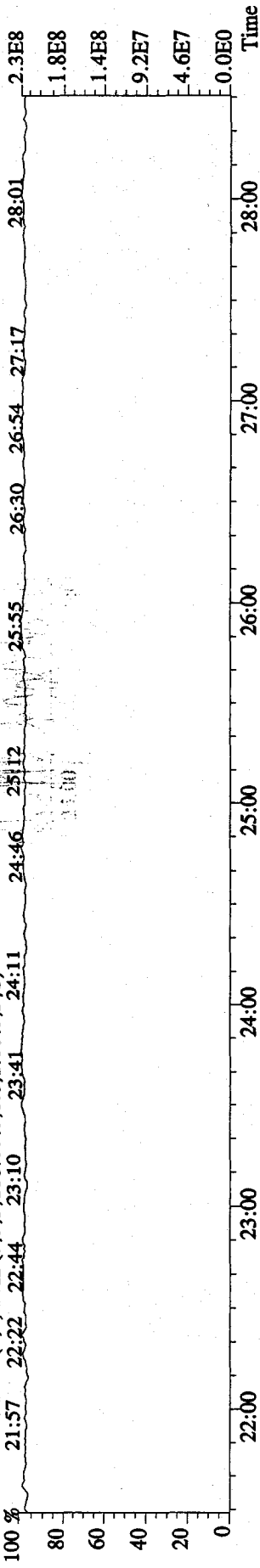


File:06JA10A1D5 #1-495 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

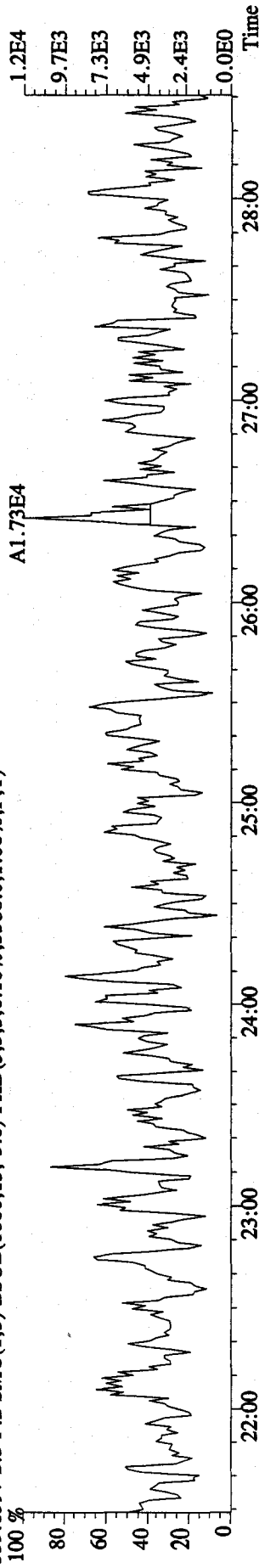
Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

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

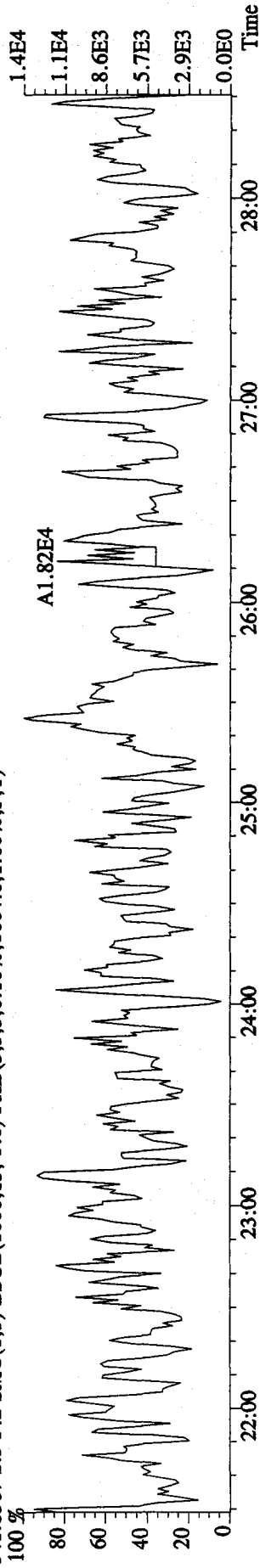
100 % 21:57 22:22 22:44 23:10 23:41 24:11 24:46 25:12 25:55 26:30 26:54 27:17 28:01



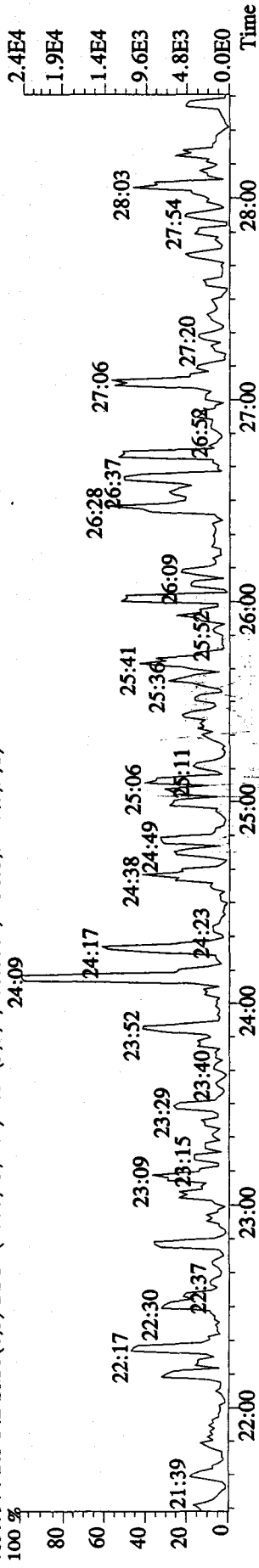
339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,5388.0,1.00%,F,T)



341.8567 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,8604.0,1.00%,F,T)



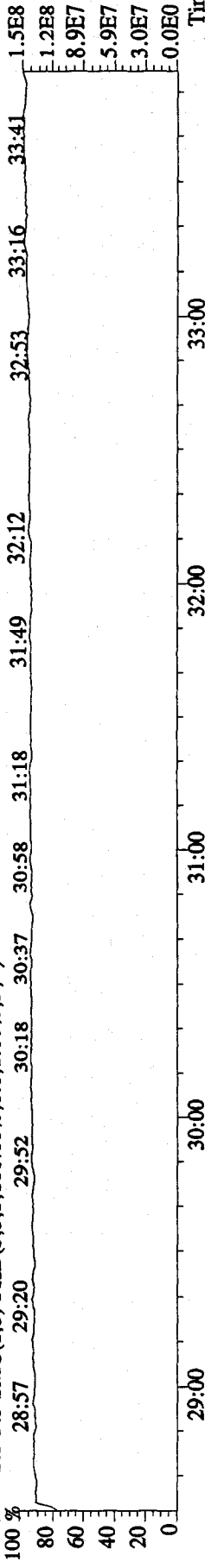
409.7974 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1756.0,1.00%,F,T)



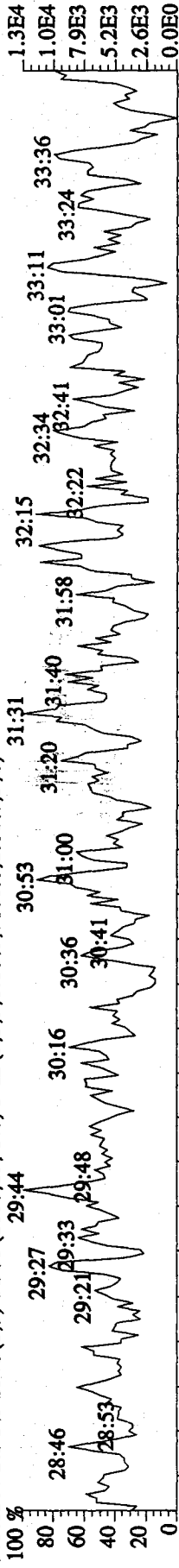
File:06JA10A1D5 #1-362 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

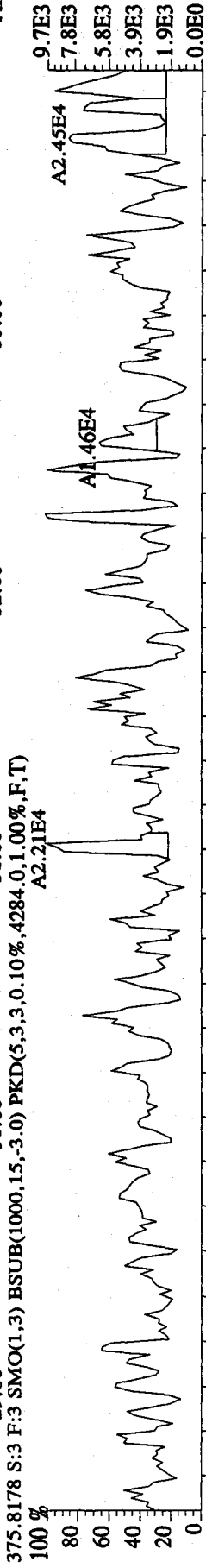
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



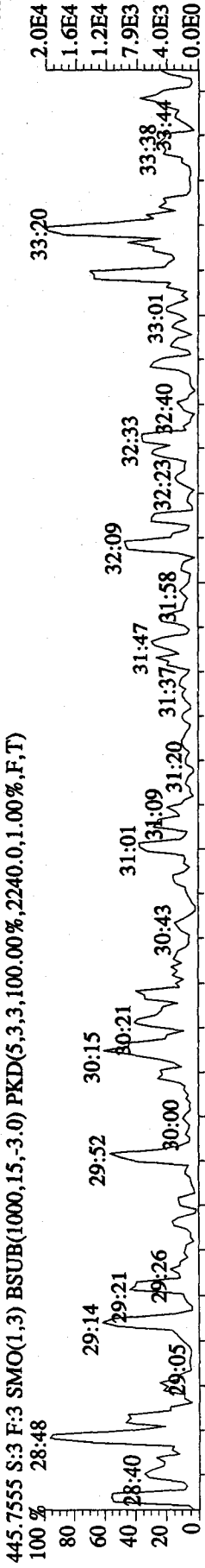
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7680.0,1.00%,F,T)



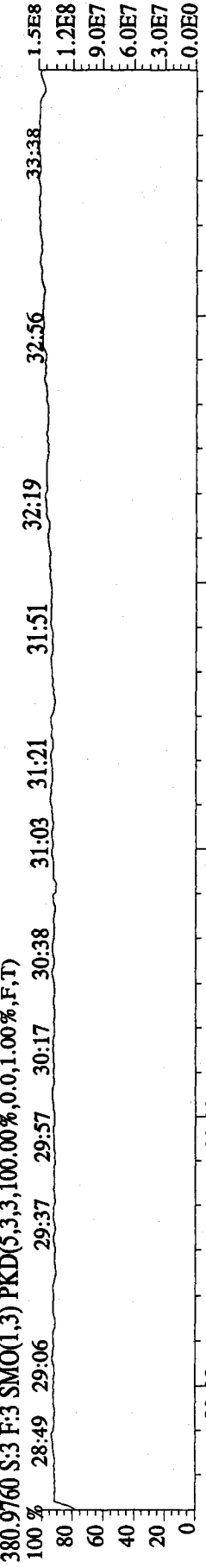
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4284.0,1.00%,F,T)



445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2240.0,1.00%,F,T)



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

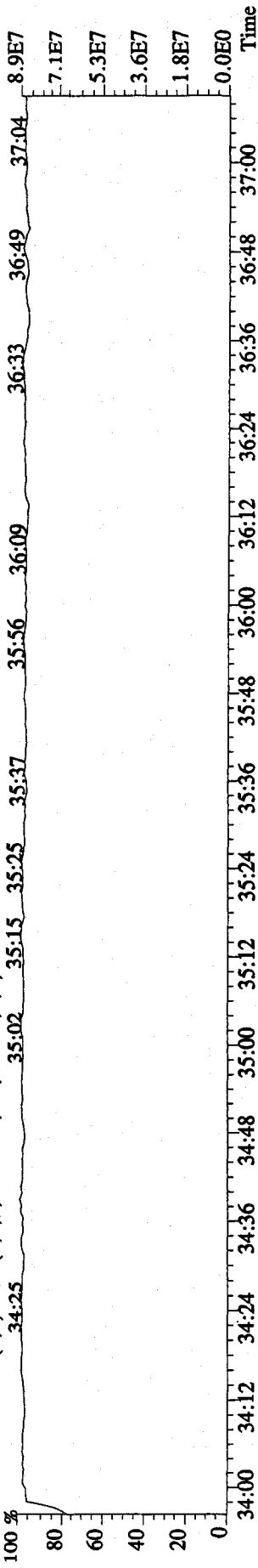


File:061A10A1D5 #1-227 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

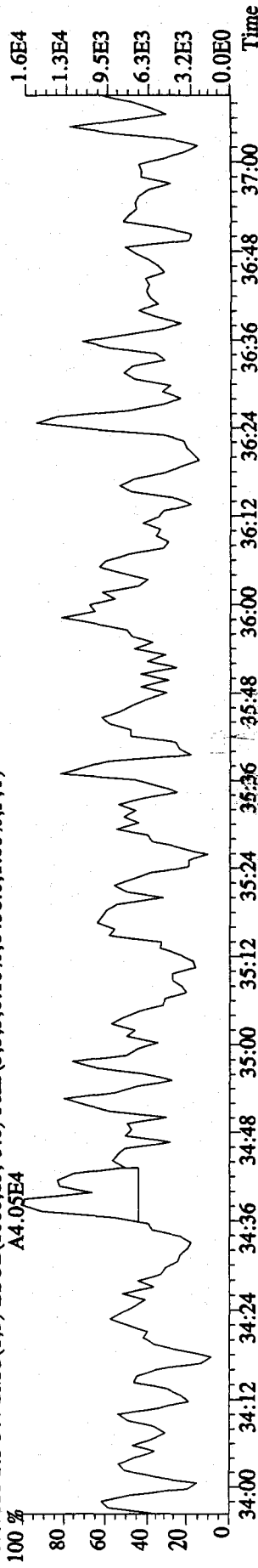
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 34:25 35:02 35:15 35:25 35:37 36:09 36:49 37:04 8.9E7



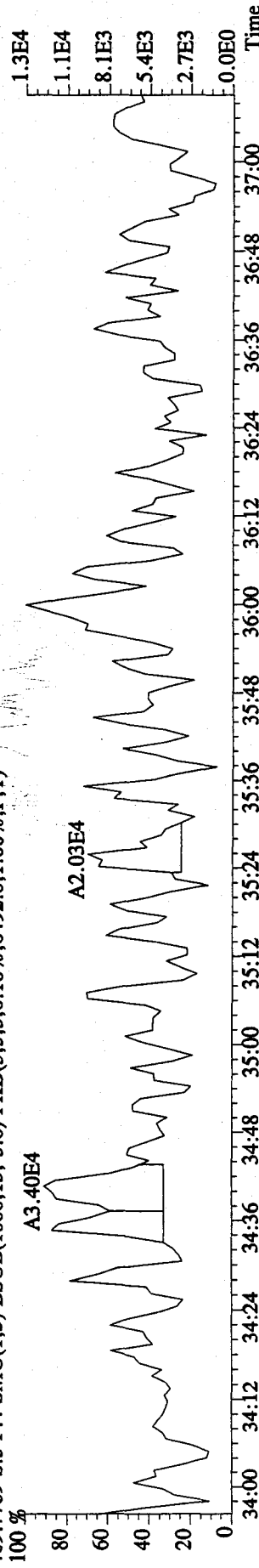
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8456.0,1.00%,F,T)

100 % 34:25 35:02 35:12 35:24 35:36 36:00 36:24 36:36 36:48 37:00 1.6E4



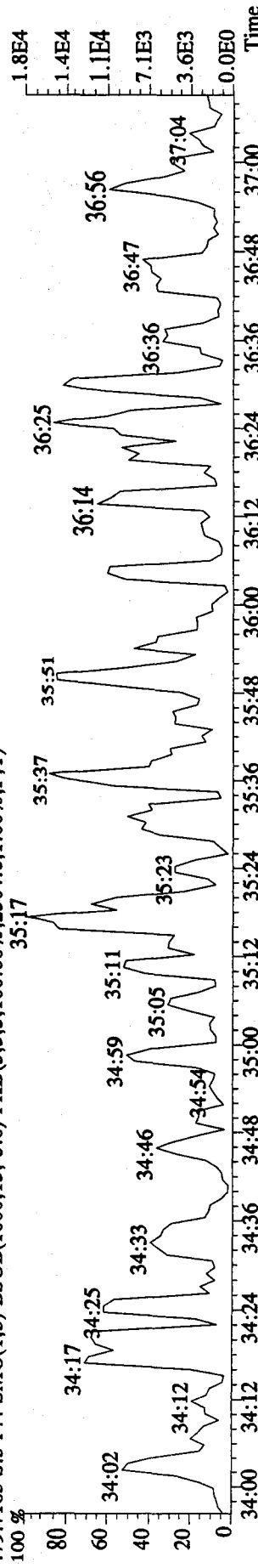
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6492.0,1.00%,F,T)

100 % 34:25 35:02 35:12 35:24 35:36 36:00 36:24 36:36 36:48 37:00 1.3E4



479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2304.0,1.00%,F,T)

100 % 34:02 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 36:00 36:24 36:36 36:48 37:00 1.8E4



File:06JA10A1D5 #1-161 Acq: 6-JAN-2010 23:33:33 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0106 :Solvent Blank C-14 Exp:DIOXIN

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

100 % 37:21 37:31 37:48 37:59 38:12 38:20 38:28 38:50 39:05 39:13

8.3E7

7.4E7

6.6E7

5.8E7

5.0E7

4.1E7

3.3E7

2.5E7

1.7E7

8.3E6

0.0E0

37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 Time

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

100 % 37:20 37:34 37:45 38:12 38:35 39:03 39:16

1.1E8

1.0E8

8.9E7

7.8E7

6.7E7

5.6E7

4.5E7

3.4E7

2.2E7

1.1E7

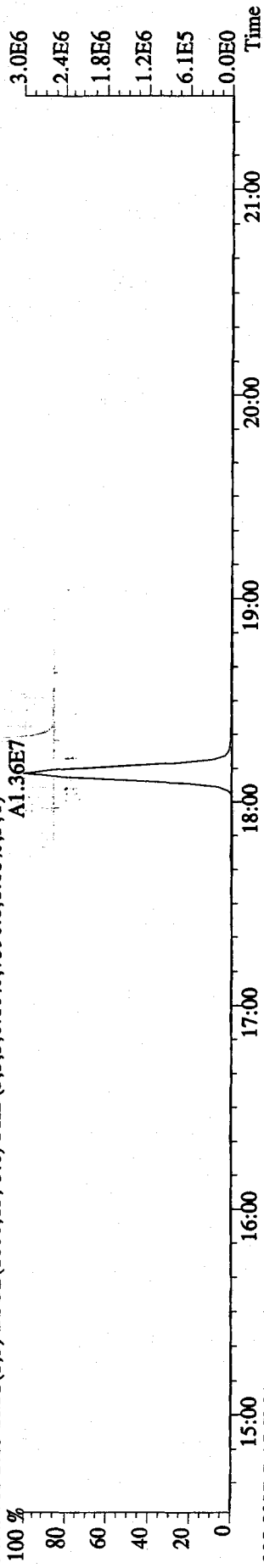
0.0E0

37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 Time

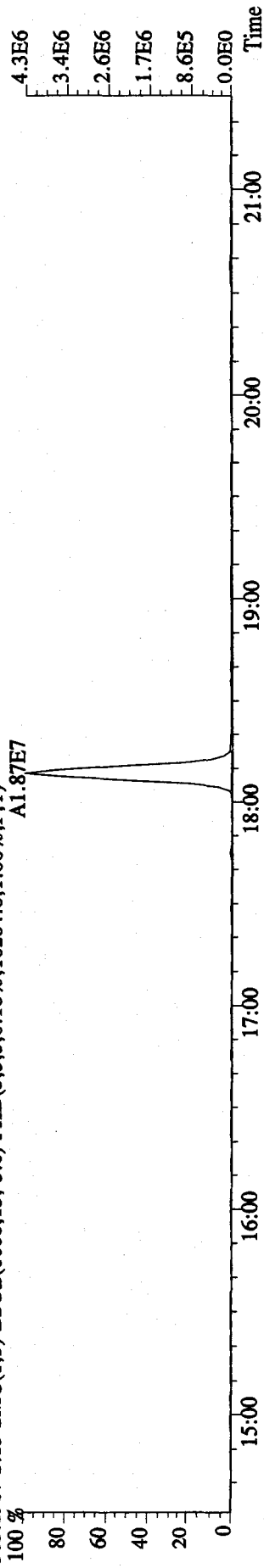
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE

Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN

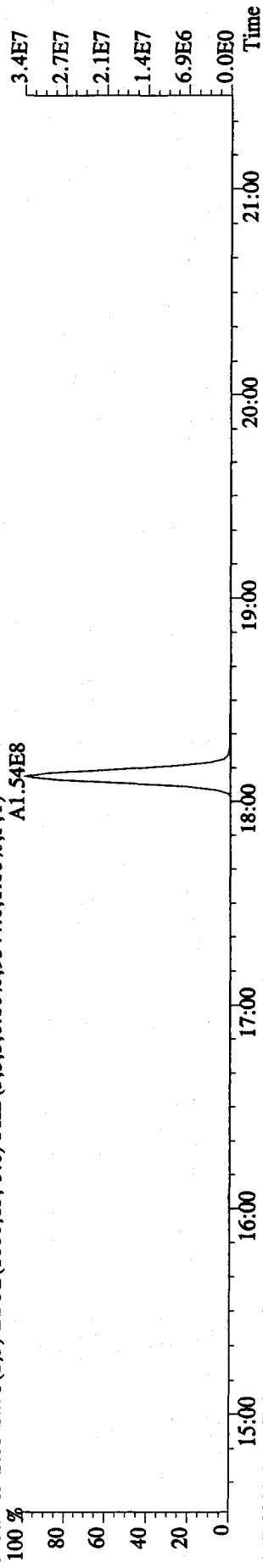
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7596.0,1.00%,F,T)



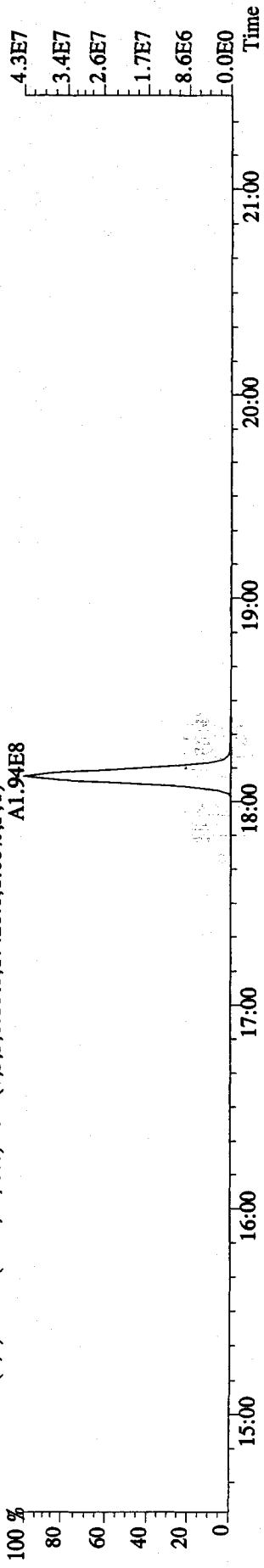
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10284.0,1.00%,F,T)



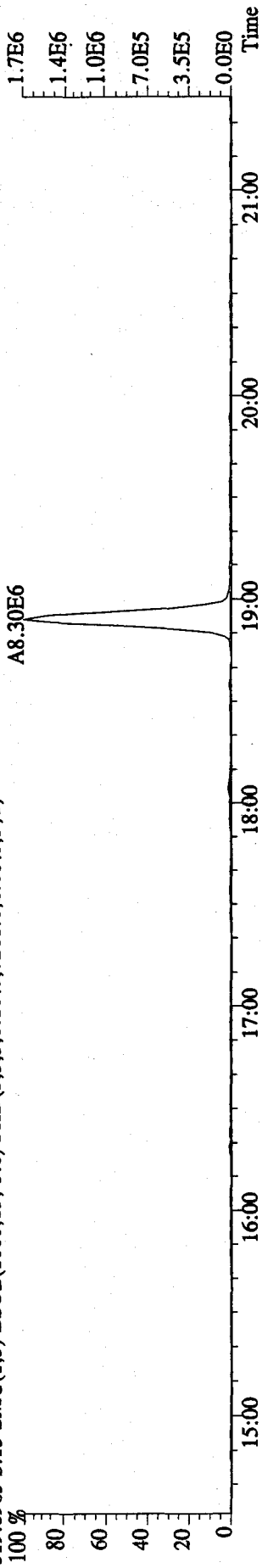
315.9419 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9544.0,1.00%,F,T)



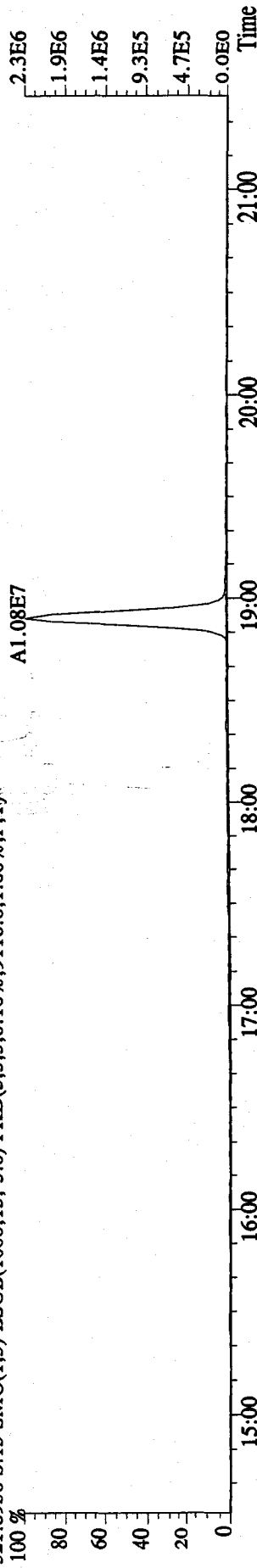
317.9389 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17420.0,1.00%,F,T)



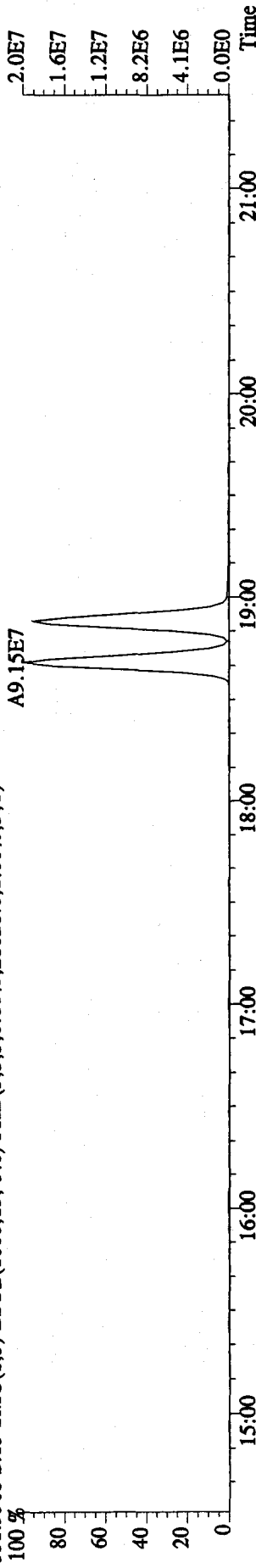
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7268.0,1.00%,F,T)



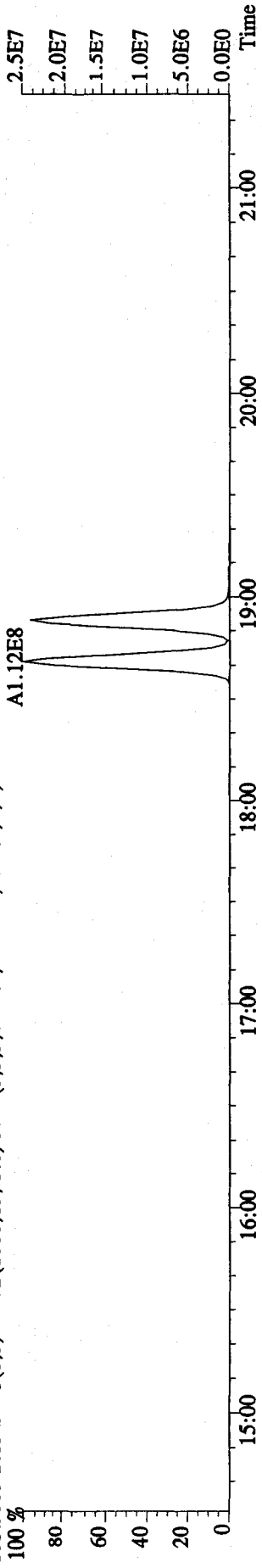
321.8936 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9116.0,1.00%,F,T)



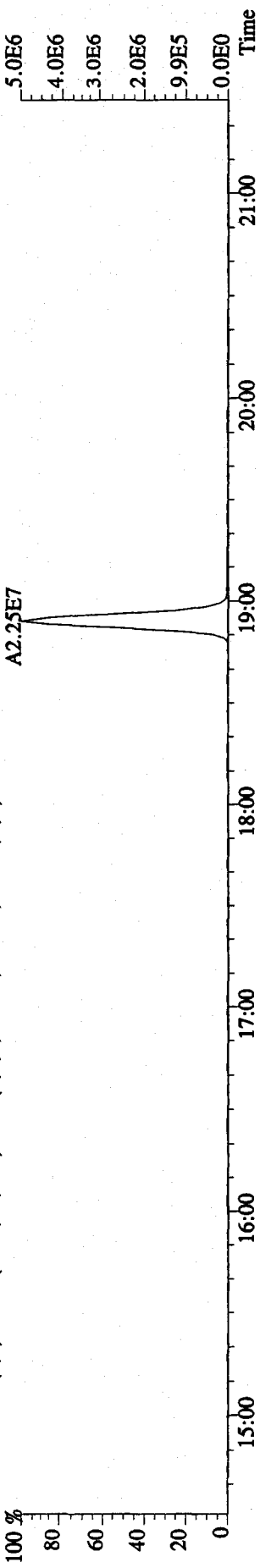
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28028.0,1.00%,F,T)



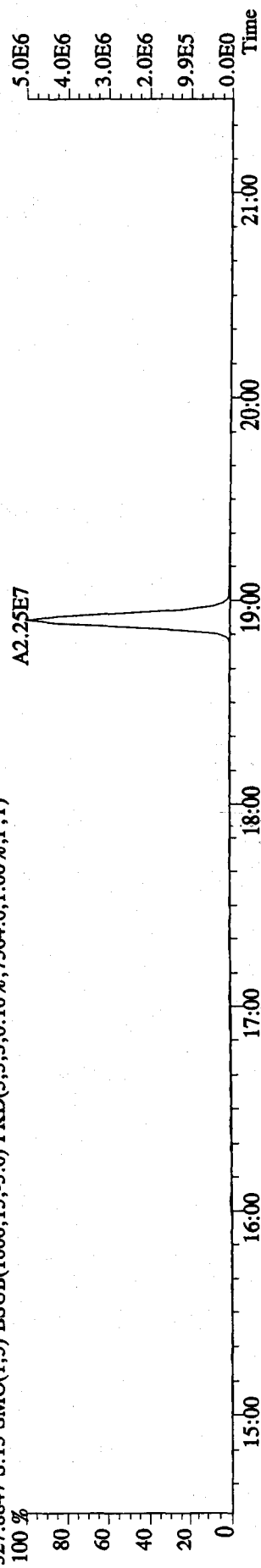
333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11984.0,1.00%,F,T)



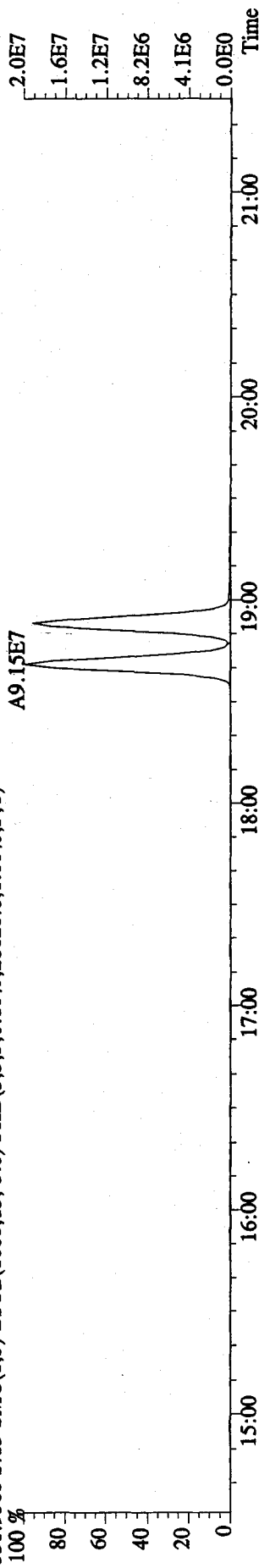
File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 327.8847 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7564.0,1.00%,F,T)



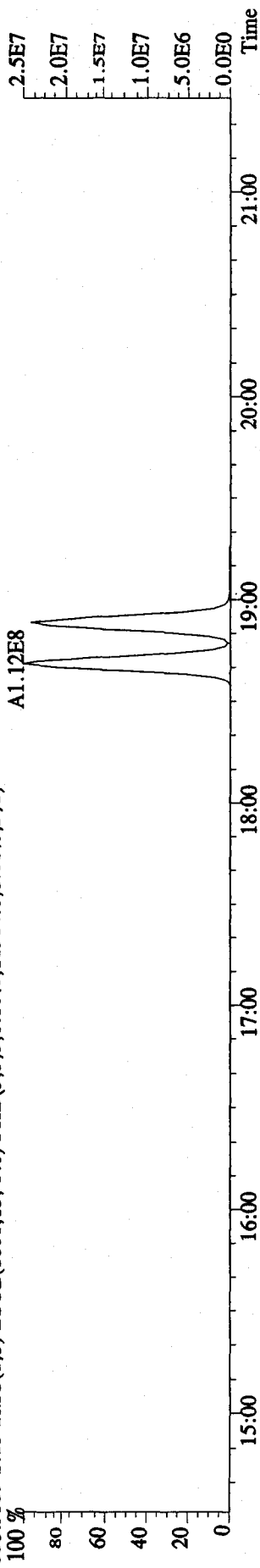
327.8847 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7564.0,1.00%,F,T)



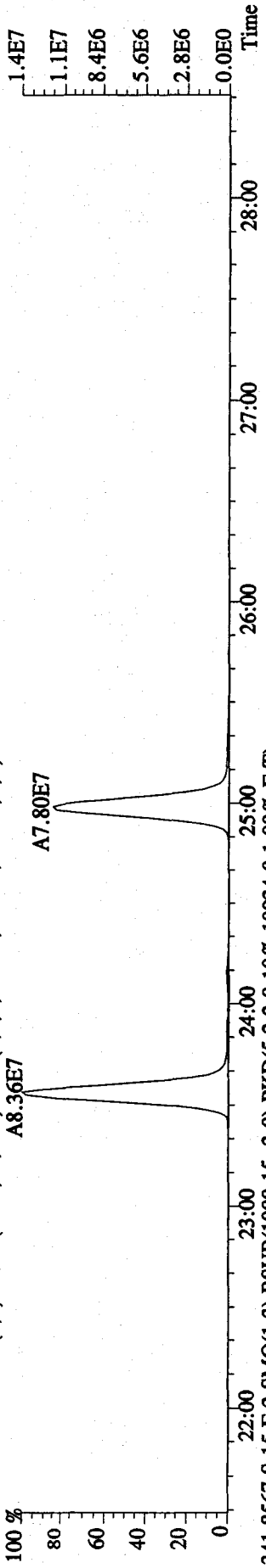
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28028.0,1.00%,F,T)



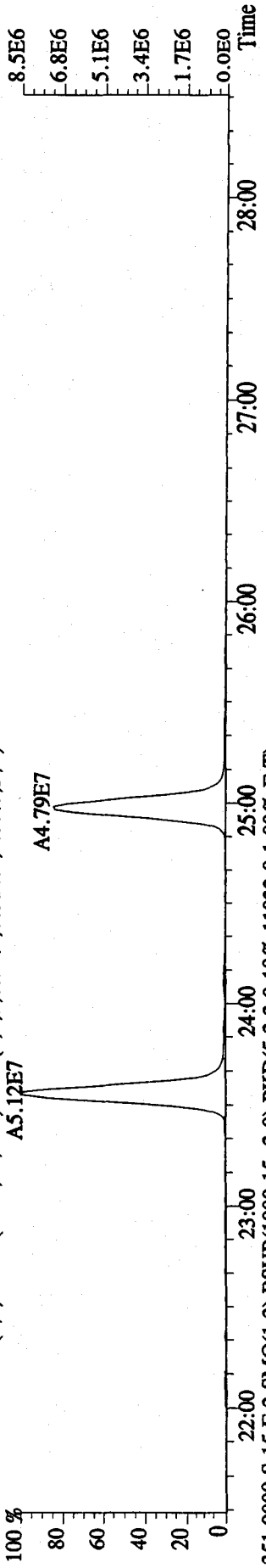
333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11984.0,1.00%,F,T)



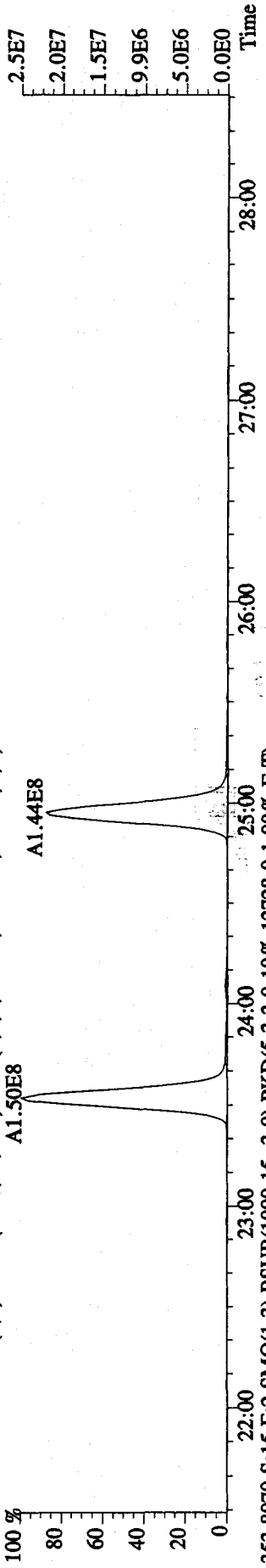
File:06IA10A1D5 #1-495 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9096.0,1.00%,F,T)  
 100 % A8.36E7



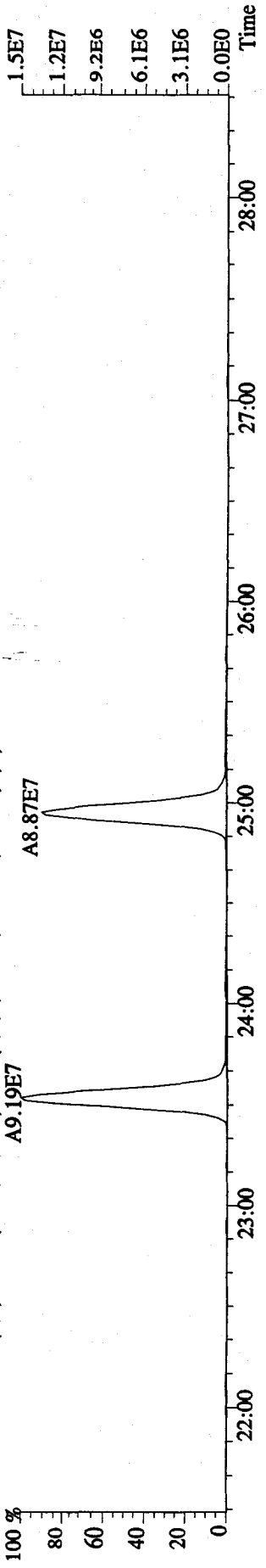
341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10924.0,1.00%,F,T)  
 100 % A5.12E7



351.9000 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11032.0,1.00%,F,T)  
 100 % A1.50E8

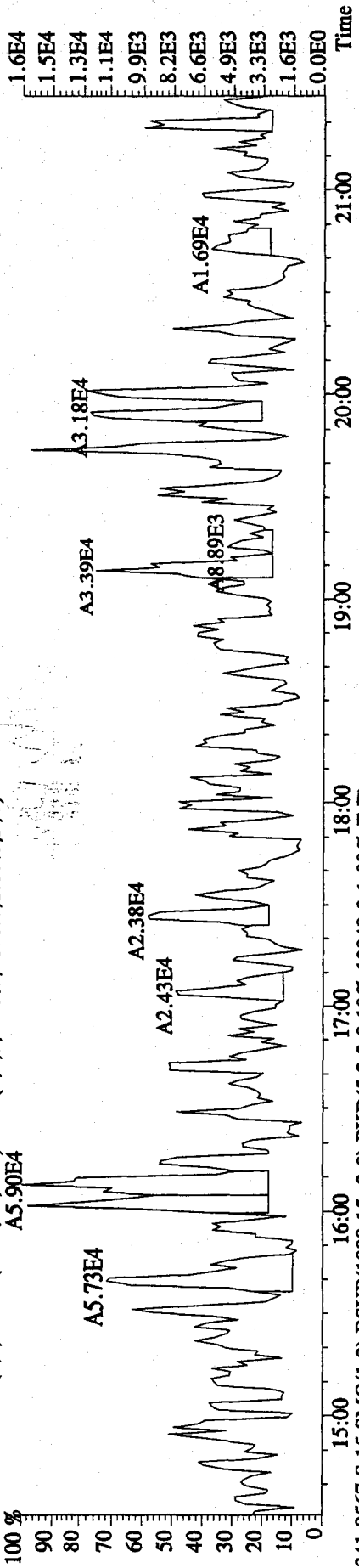


353.8970 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12728.0,1.00%,F,T)  
 100 % A9.19E7

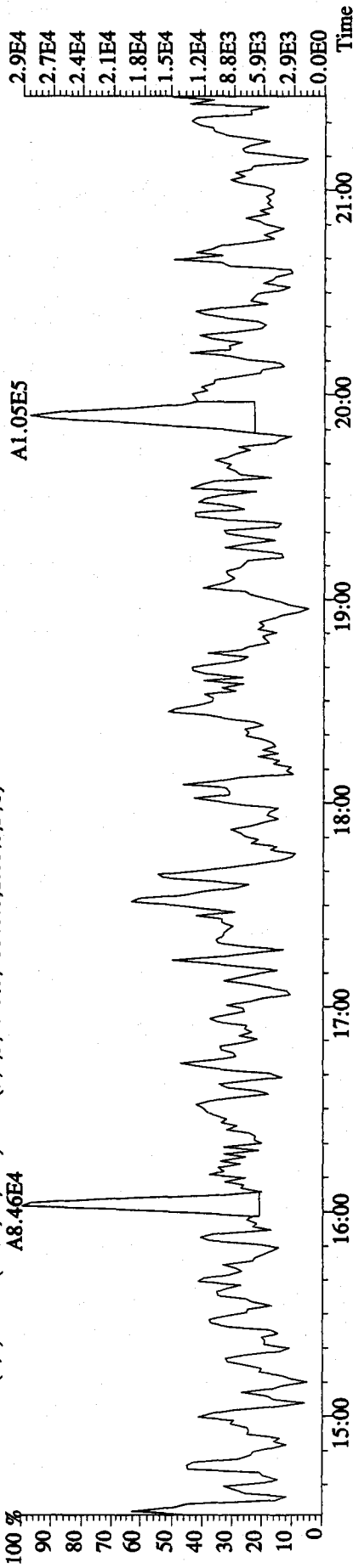




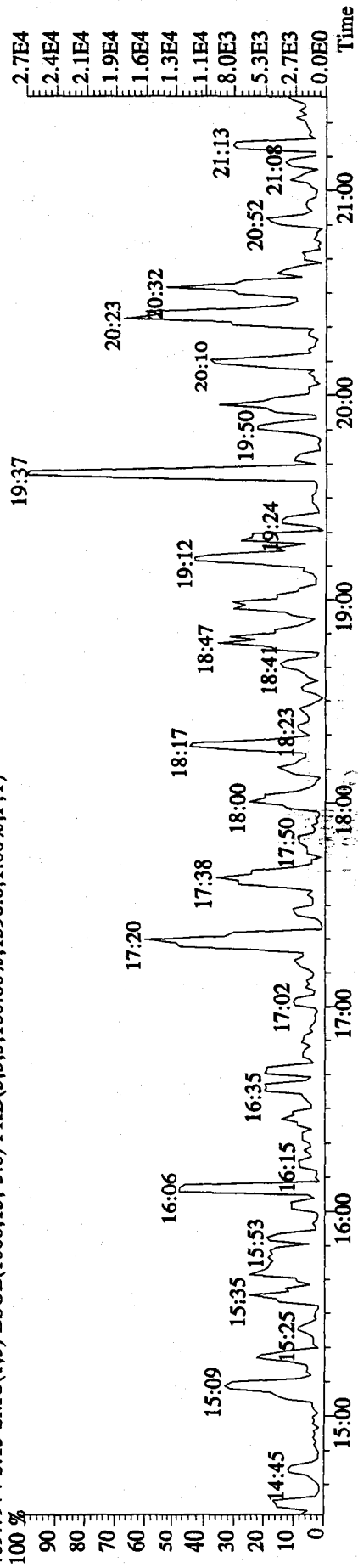
File:06JA10AID5 #1-411 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 339.8597 S:15 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4676.0,1.00%,F,T)  
 A5.90E4



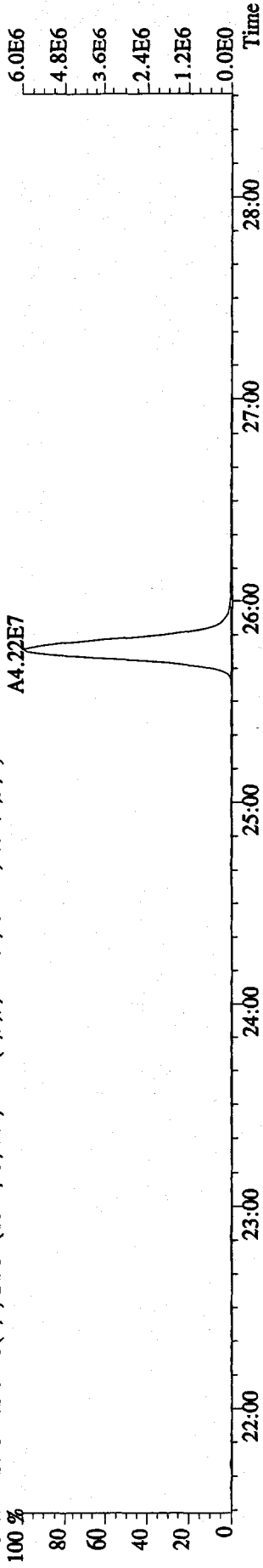
341.8567 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10040.0,1.00%,F,T)  
 A1.05E5



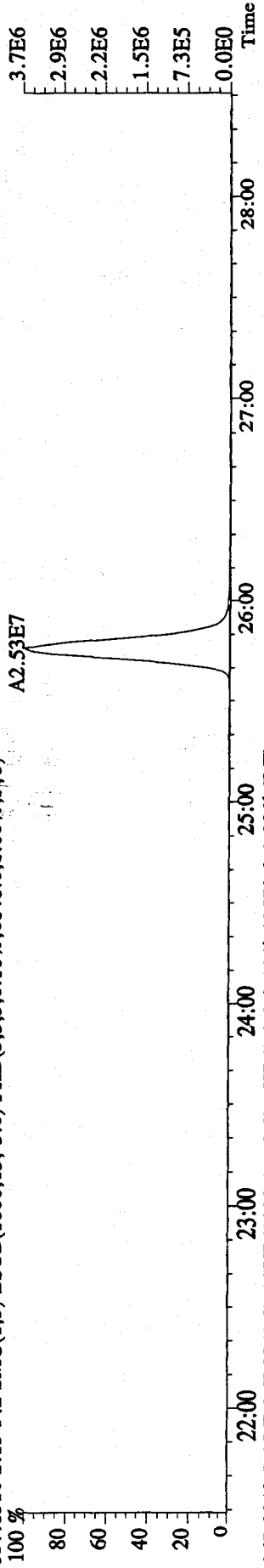
409.7974 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1596.0,1.00%,F,T)



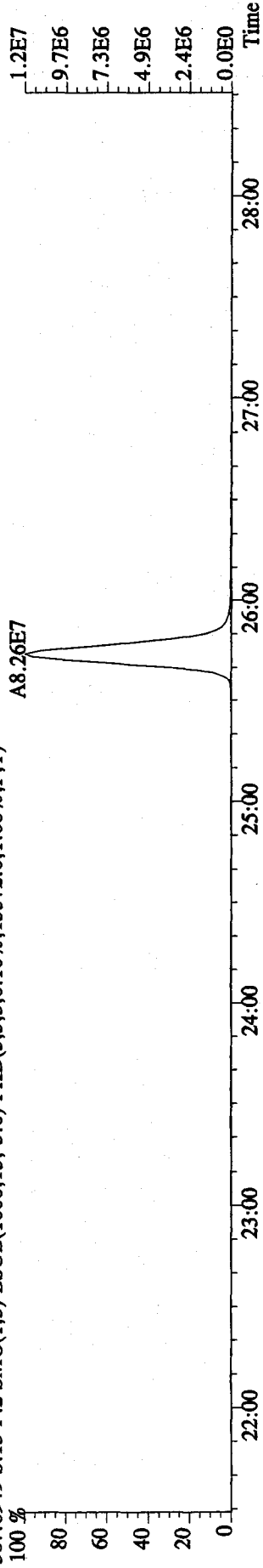
File:06JA10A1D5 #1-495 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 355.8546 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9564.0,1.00%,F,T)  
 100 %



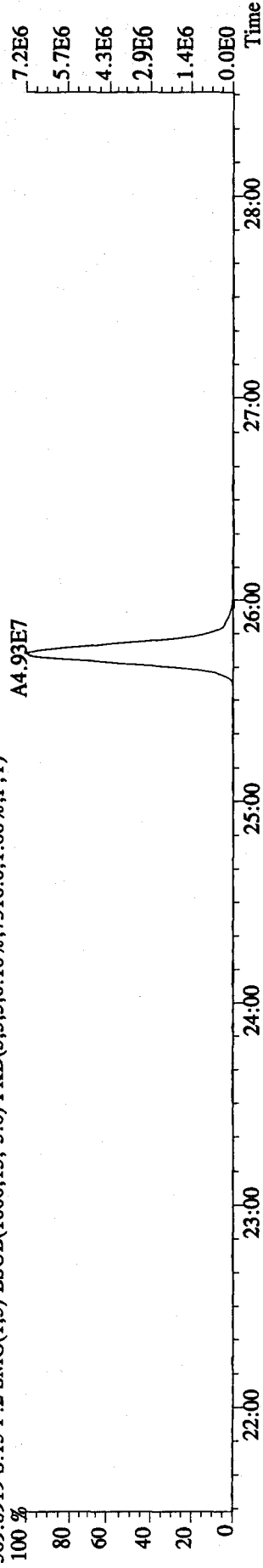
357.8516 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6048.0,1.00%,F,T)  
 100 %



367.8949 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13572.0,1.00%,F,T)  
 100 %

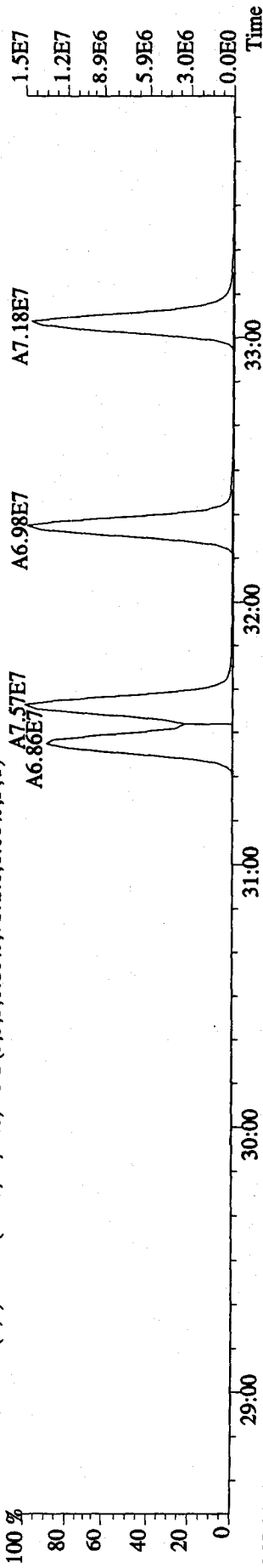


369.8919 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7516.0,1.00%,F,T)  
 100 %

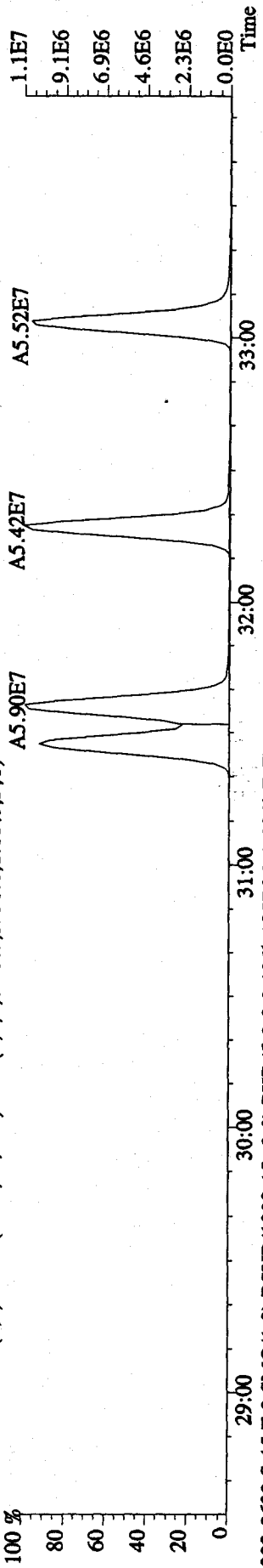


File: 061A10A1D5 #1-362 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text: ST0106A : CS3 09DXN425 Exp: DIOXIN

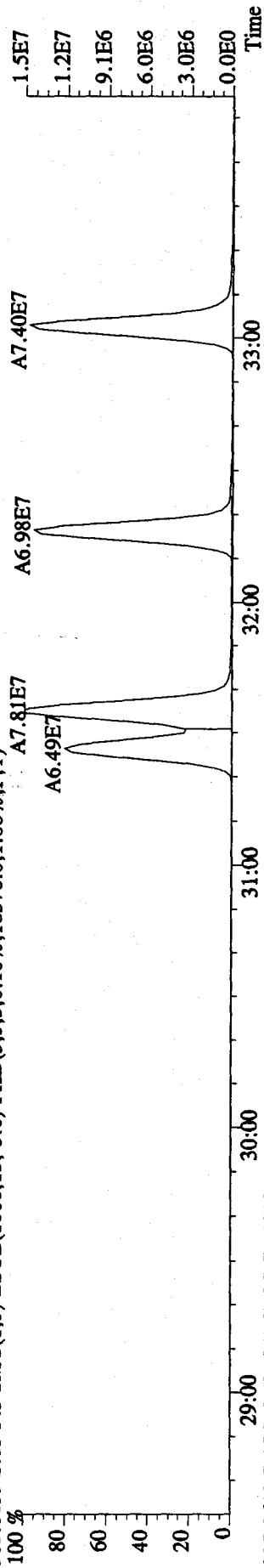
373.8208 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7172.0,1.00%,F,T)



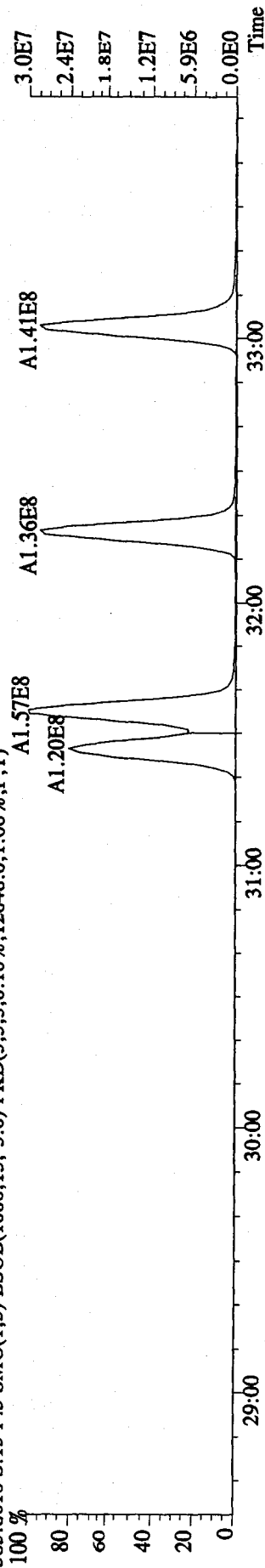
375.8178 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5996.0,1.00%,F,T)



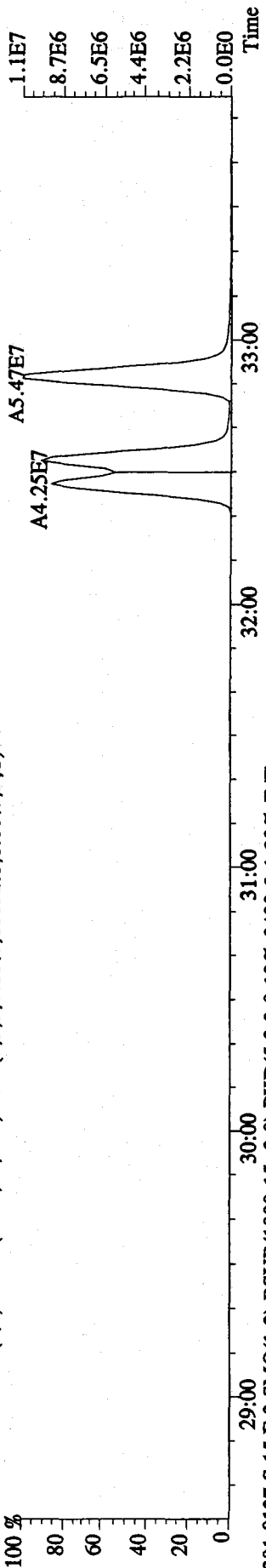
383.8639 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18576.0,1.00%,F,T)



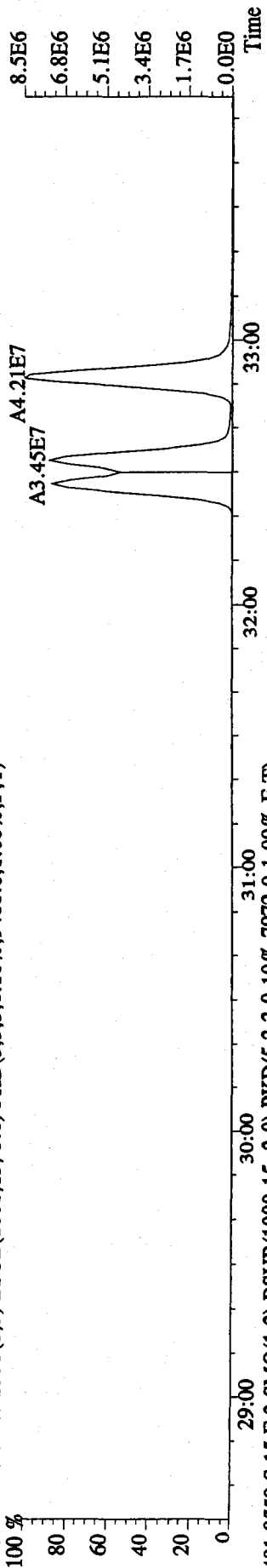
385.8610 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12048.0,1.00%,F,T)



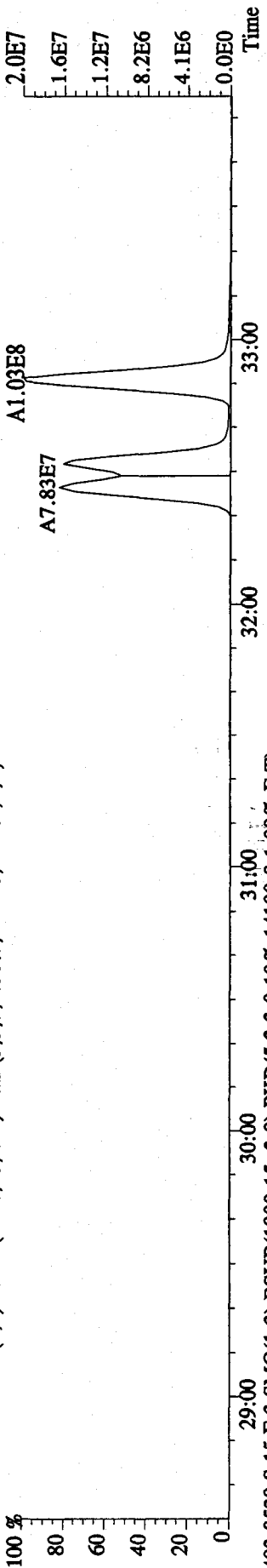
File:06JIA10A1D5 #1-362 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 389.8157 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10032.0,1.00%,F,T)



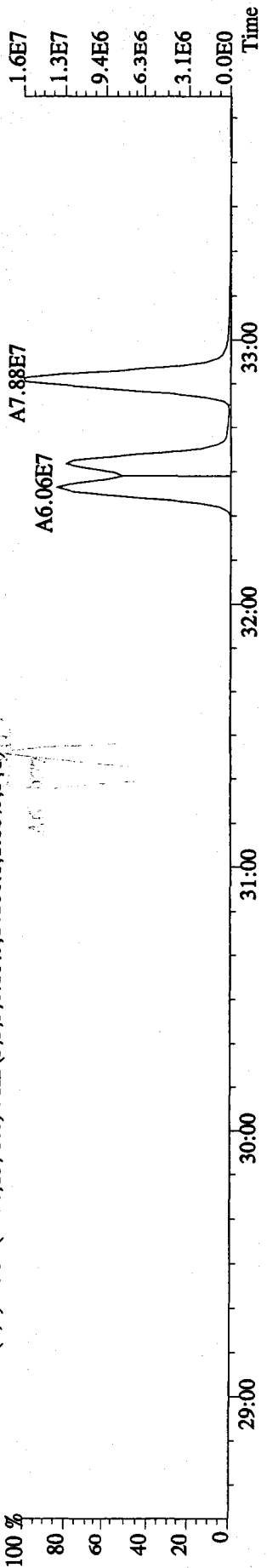
391.8127 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9400.0,1.00%,F,T)



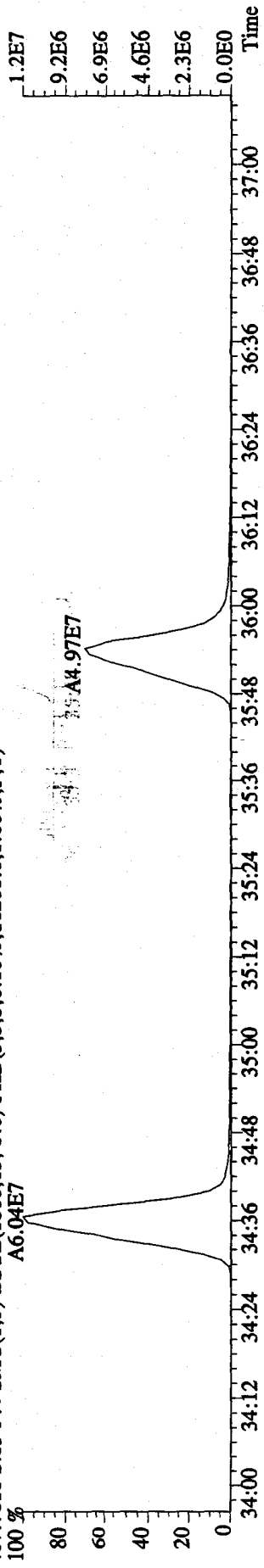
401.8559 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7972.0,1.00%,F,T)



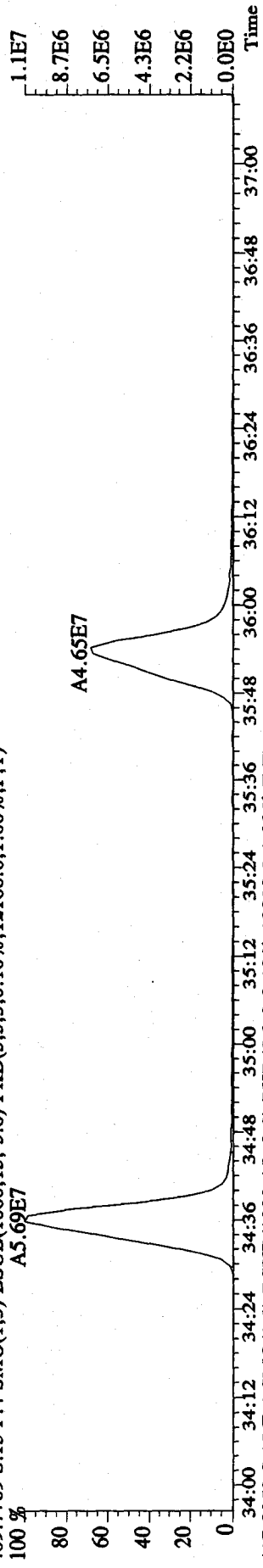
403.8529 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14100.0,1.00%,F,T)



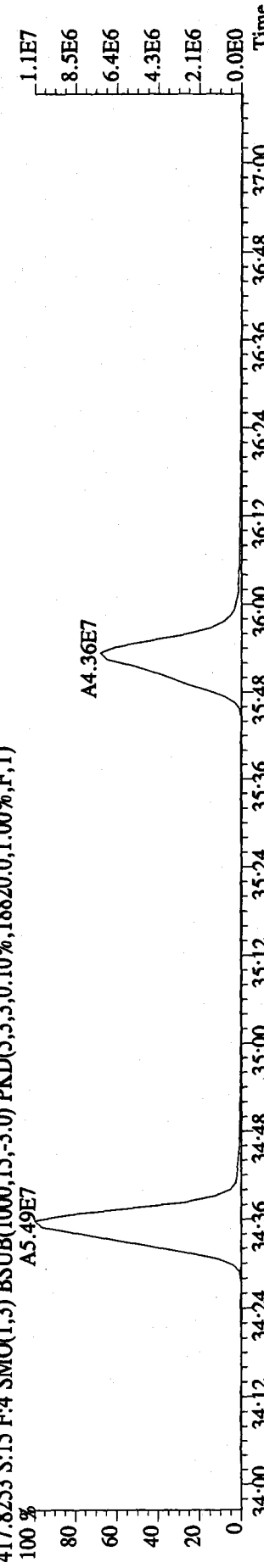
File: 06JIA10AID5 #1-227 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text: ST0106A :CS3 09DXN425 Exp: DIOXIN  
 407.7818 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16208.0,1.00%,F,T)  
 A6.04E7



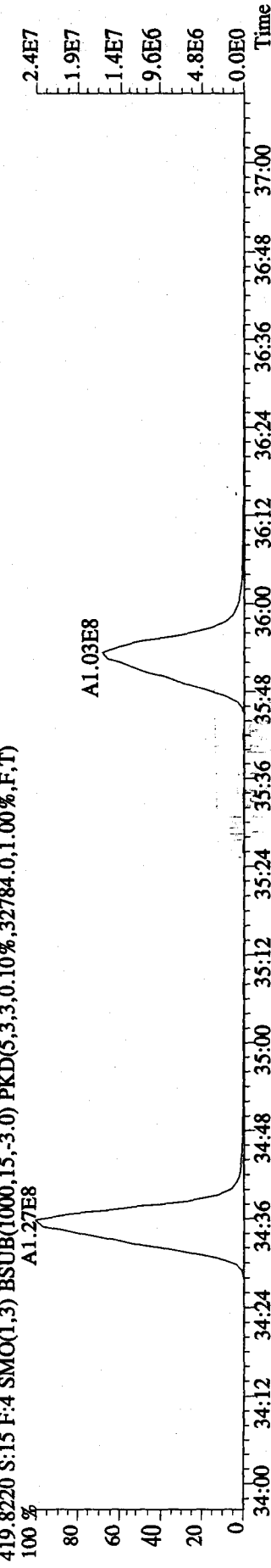
409.7789 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12188.0,1.00%,F,T)  
 A5.69E7



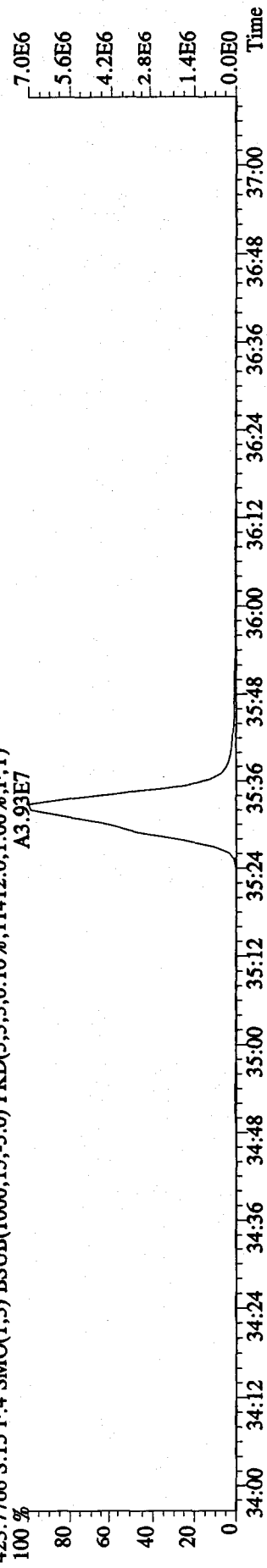
417.8253 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18820.0,1.00%,F,T)  
 A5.49E7



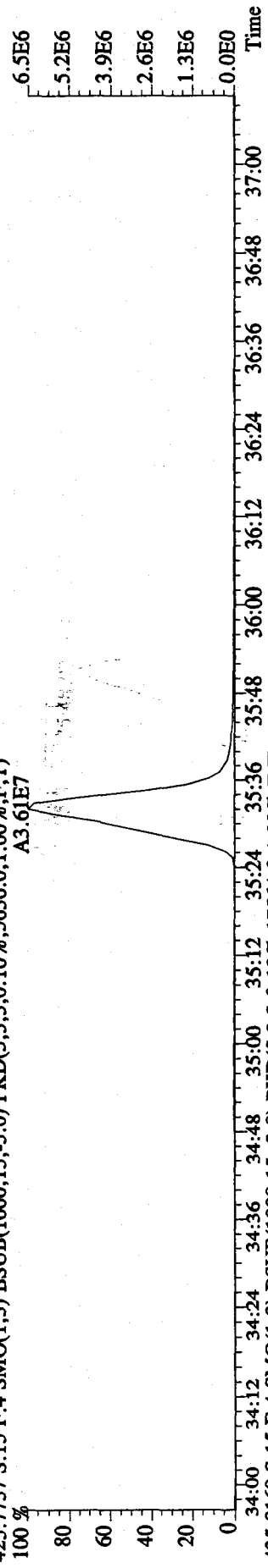
419.8220 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32784.0,1.00%,F,T)  
 A1.27E8



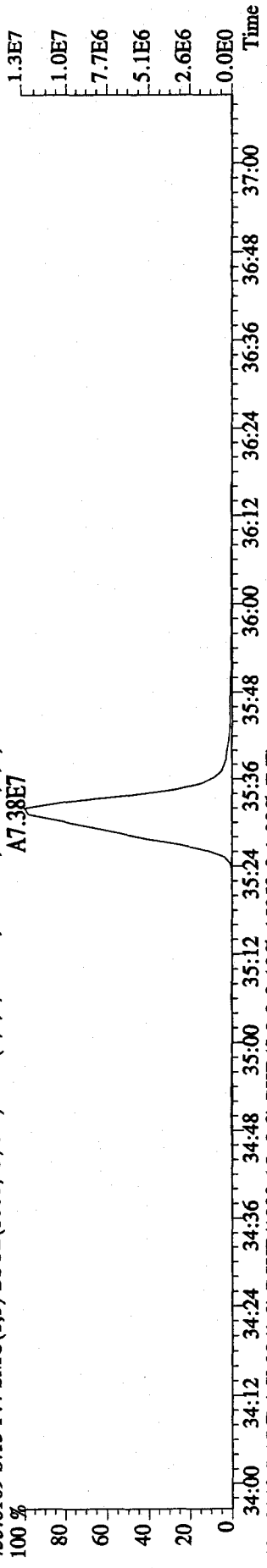
File: 06JA10A1D5 #1-227 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text: ST0106A : CS3 09DXN425 Exp: DIOXIN  
 423.7766 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11412.0,1.00%,F,T)  
 A3.93E7



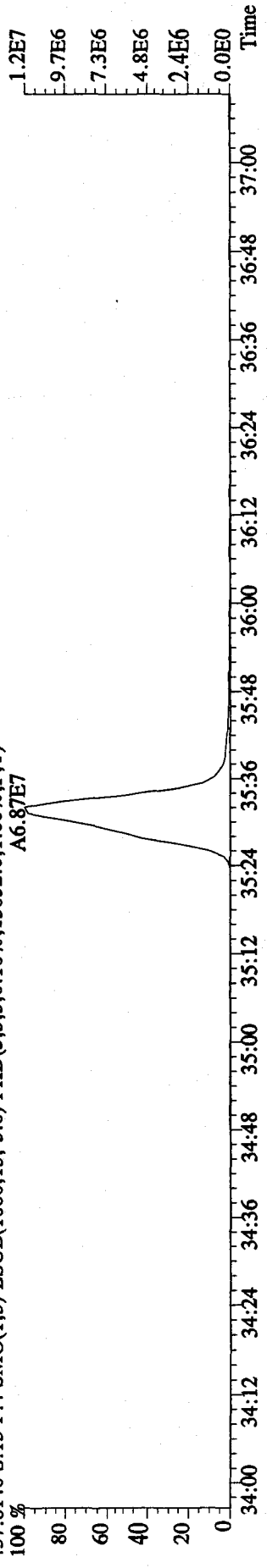
425.7737 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5636.0,1.00%,F,T)  
 A3.61E7



435.8169 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17564.0,1.00%,F,T)  
 A7.38E7



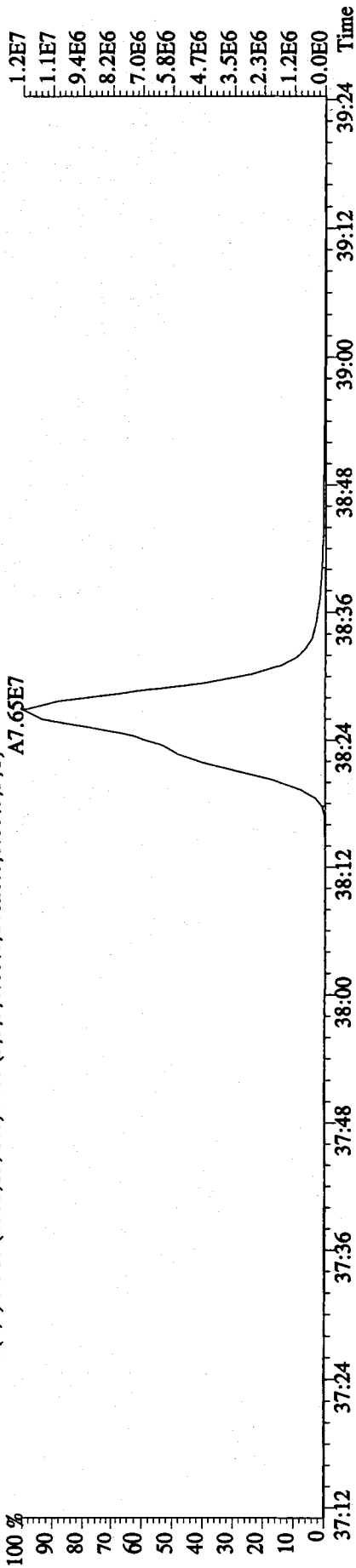
437.8140 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15052.0,1.00%,F,T)  
 A6.87E7



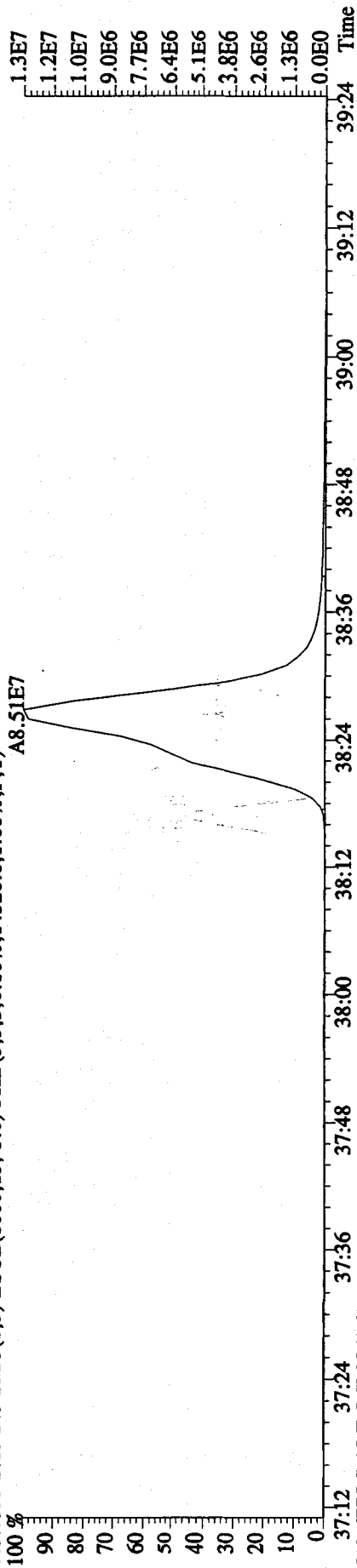
File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE

Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN

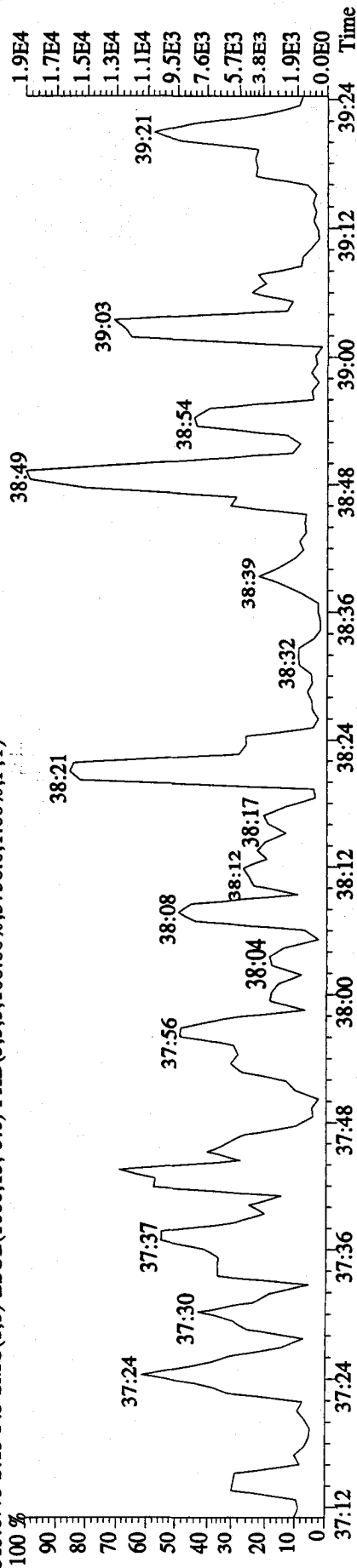
441.7428 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14820,0,1.00%,F,T)



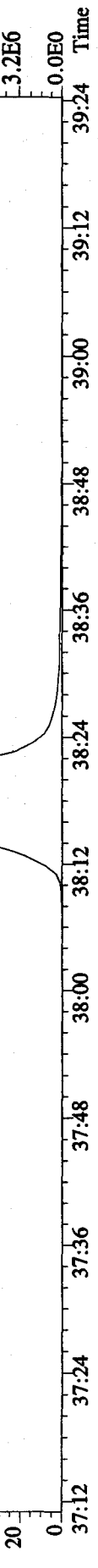
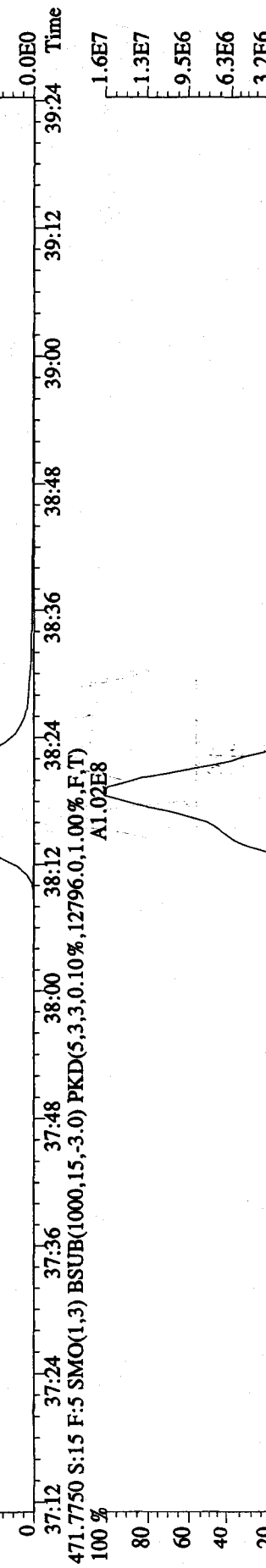
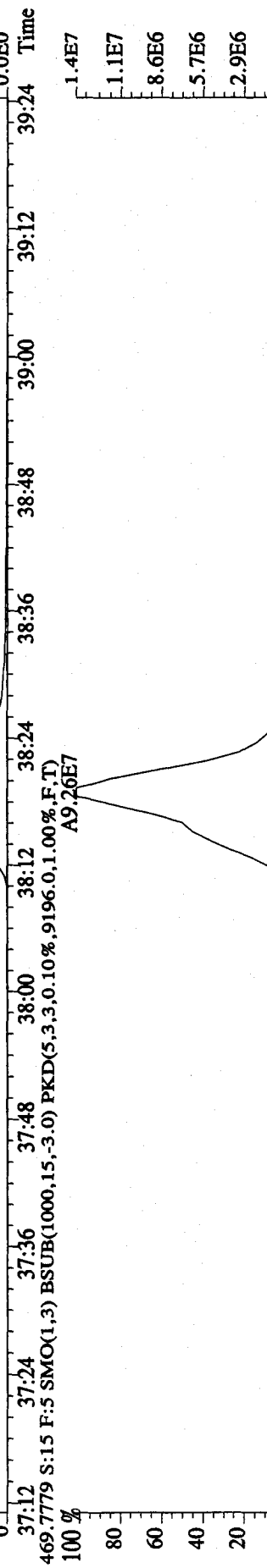
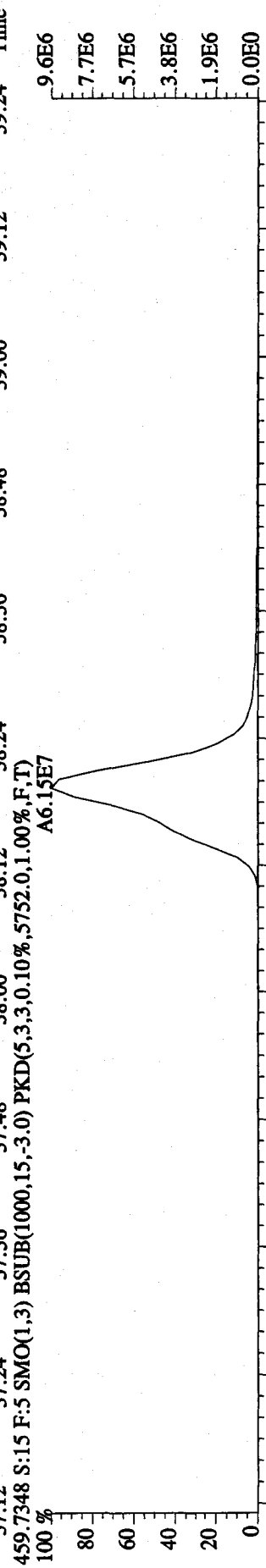
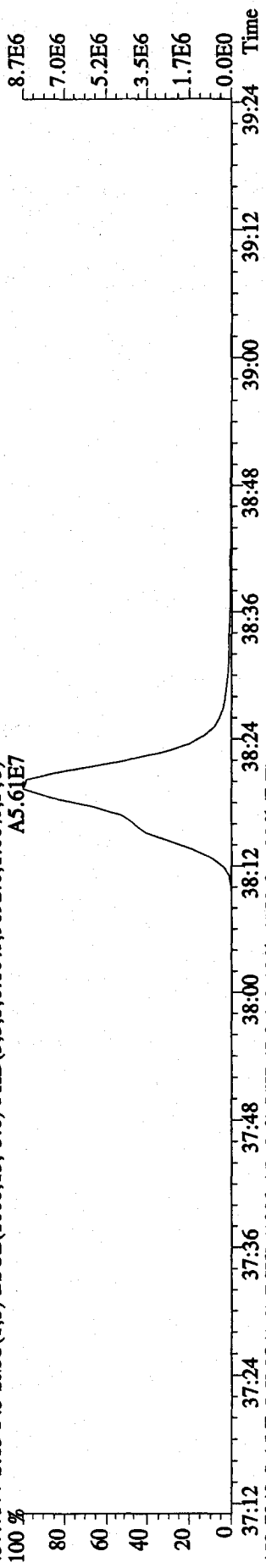
443.7399 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14520,0,1.00%,F,T)



513.6775 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,5756,0,1.00%,F,T)



File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 457.7377 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9092.0,1.00%,F,T)  
 A5.61E7



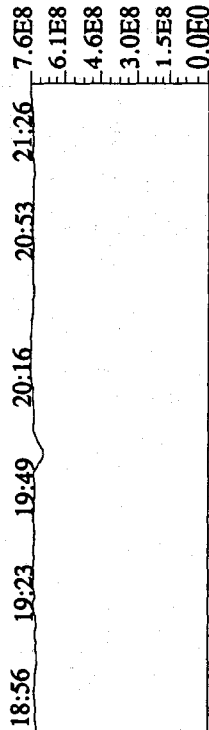


File:06JA10A1D5 #1-411 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE

Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN

292.9825 S:15 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

100 % 14:45 15:08 15:31 15:54 16:19 17:07 17:39 18:02



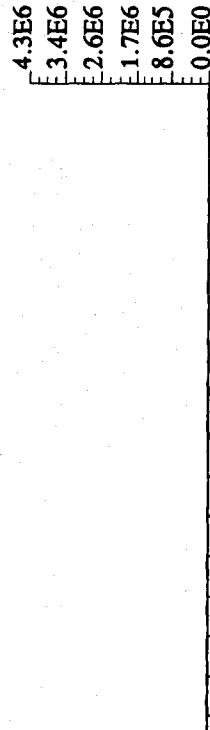
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7596.0,1.00%,F,T)

A1.36E7



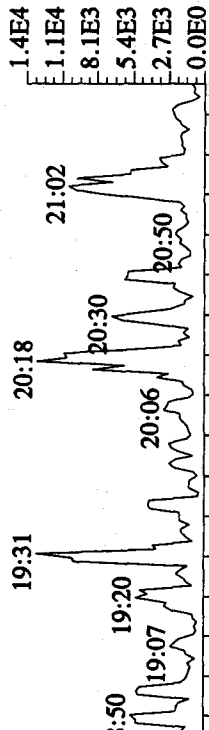
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10284.0,1.00%,F,T)

A1.87E7



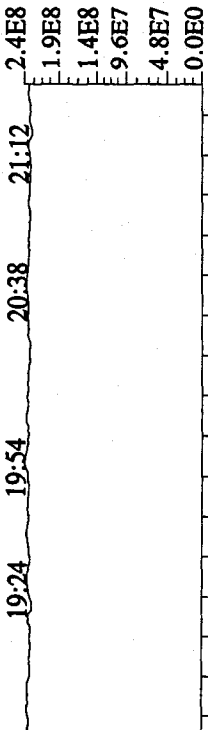
375.8364 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1864.0,1.00%,F,T)

A1.87E7



330.9792 S:15 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

A1.87E7

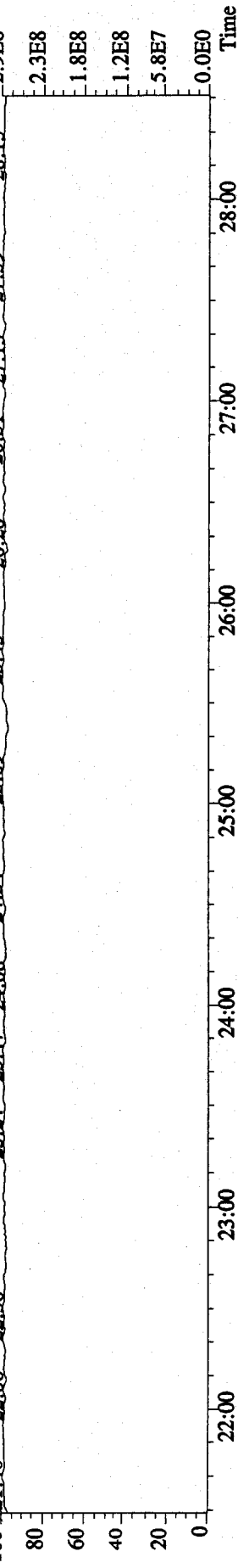


File:06JA10A1D5 #1-495 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE

Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN

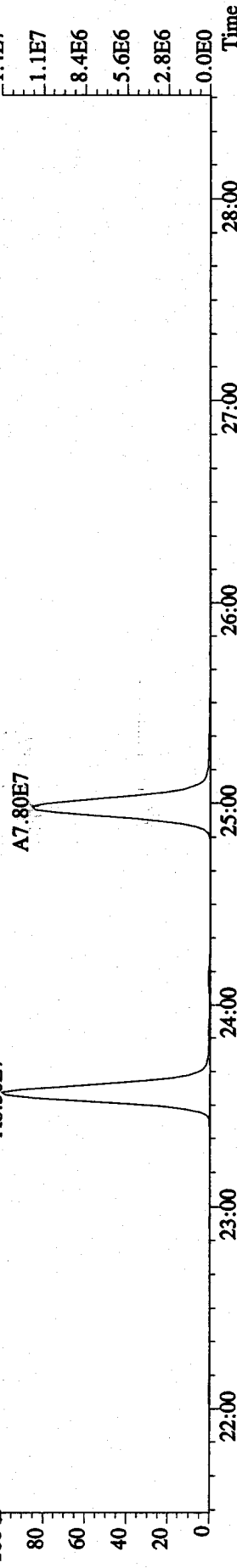
342.9792 S:15 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 21:40 22:06 22:30 23:24 23:47 24:08 24:34 25:09 25:45 26:20 26:51 27:15 27:39 28:15 2.9E8



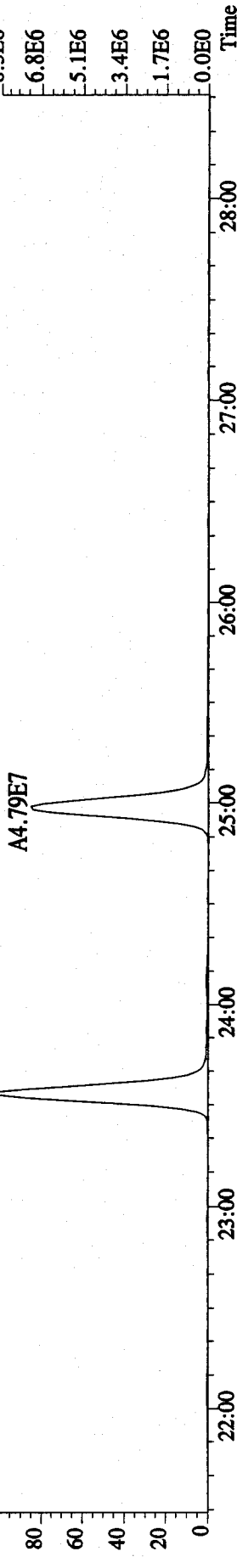
339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9096.0,1.00%,F,T)

100% 23:24 23:47 24:08 24:34 25:09 25:45 26:20 26:51 27:15 27:39 28:15 1.4E7



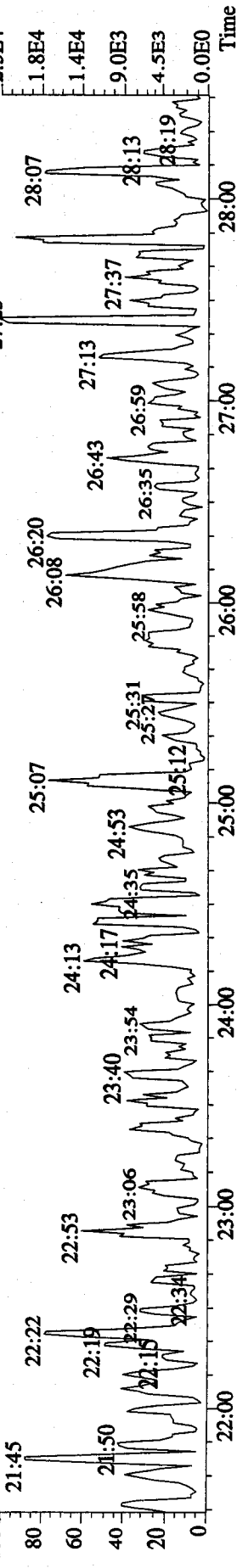
341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10924.0,1.00%,F,T)

100% 23:24 23:47 24:08 24:34 25:09 25:45 26:20 26:51 27:15 27:39 28:15 1.1E7



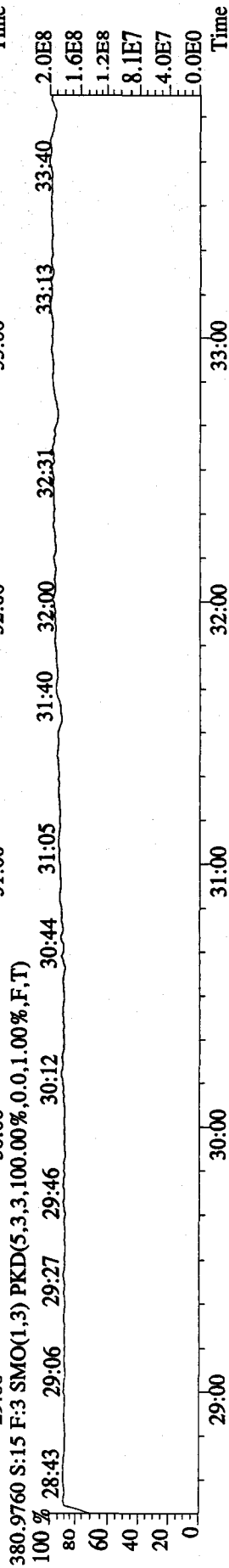
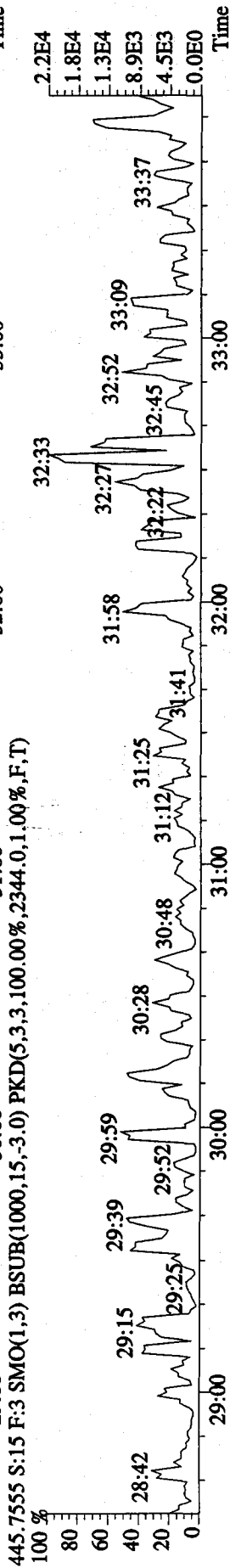
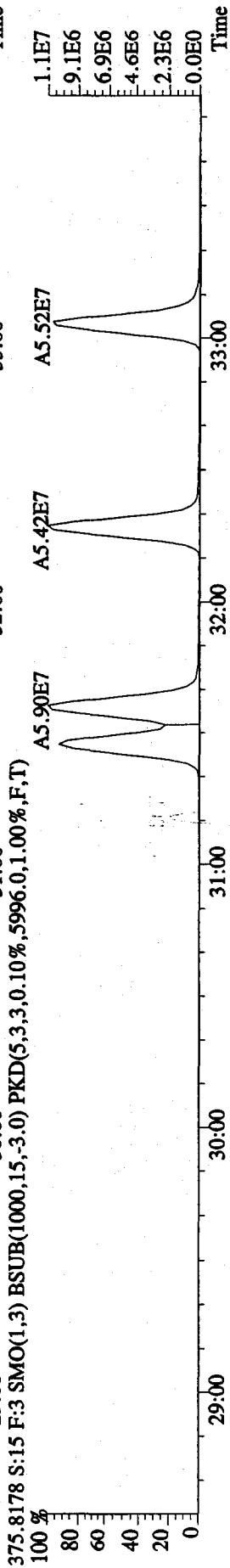
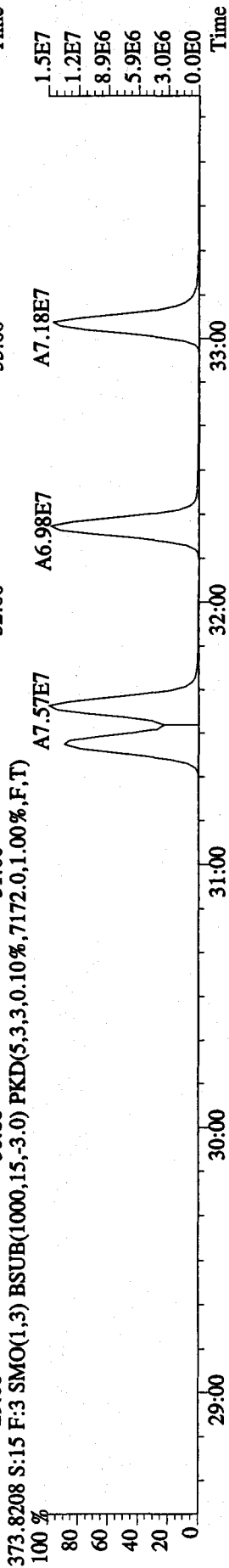
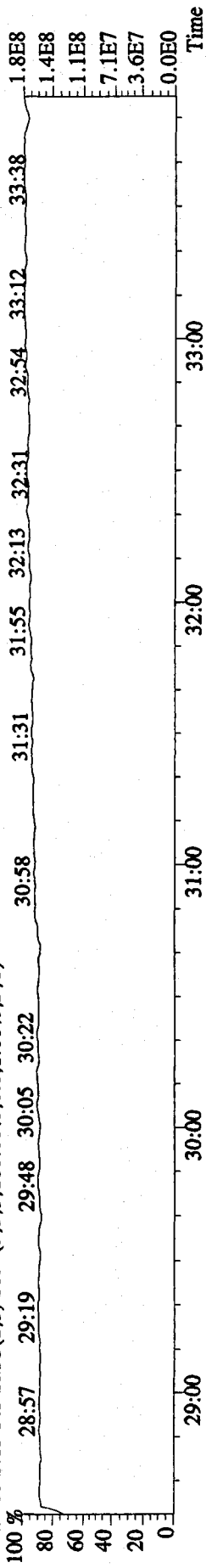
409.7974 S:15 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3712.0,1.00%,F,T)

100% 21:45 22:06 22:30 23:24 23:47 24:08 24:34 25:09 25:45 26:20 26:51 27:15 27:39 28:15 2.3E4



100% 21:45 22:06 22:30 23:24 23:47 24:08 24:34 25:09 25:45 26:20 26:51 27:15 27:39 28:15 1.8E4

File:06JA10A1D5 #1-362 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 392.9760 S:15 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

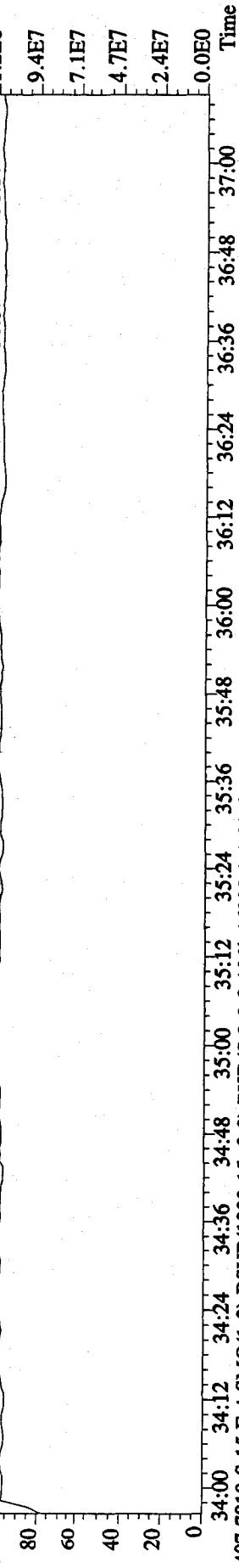


File: 06JA10A1D5 #1-227 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE

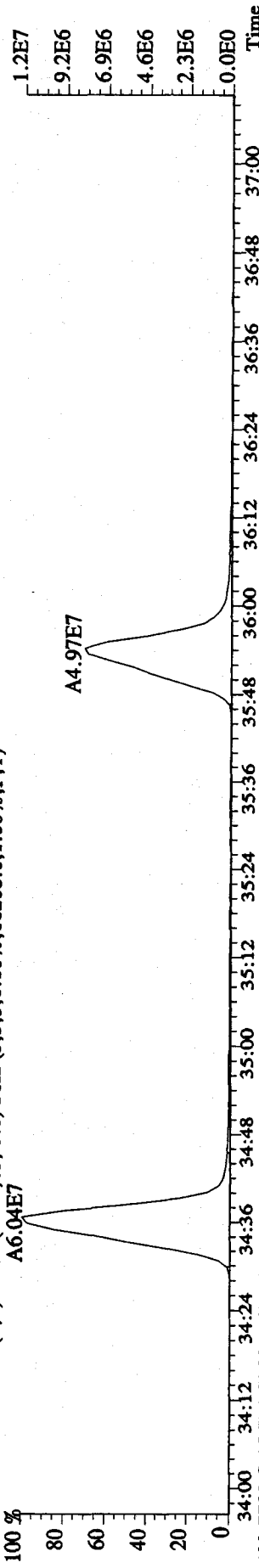
Sample#15 Text: ST0106A : CS3 09DXN425 Exp: DIOXIN

430.9728 S:15 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

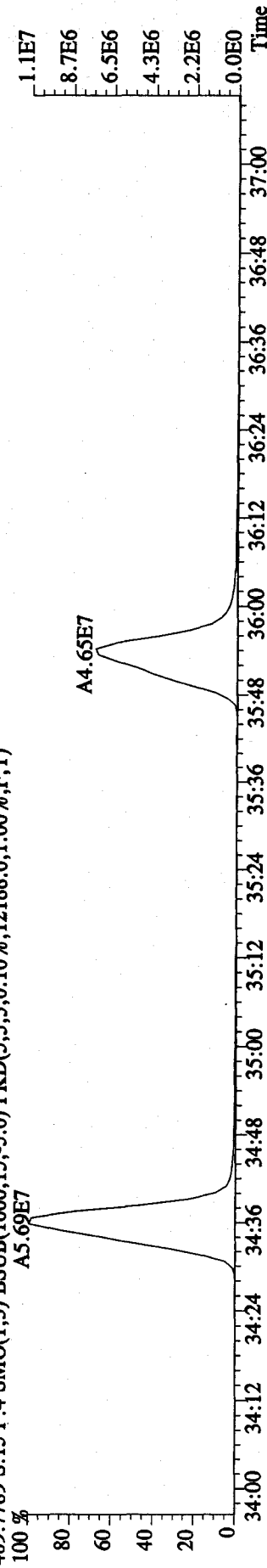
100 % 34:04 34:24 34:36 35:03 35:24 35:38 36:07 36:29 36:39 36:57 1.2E8



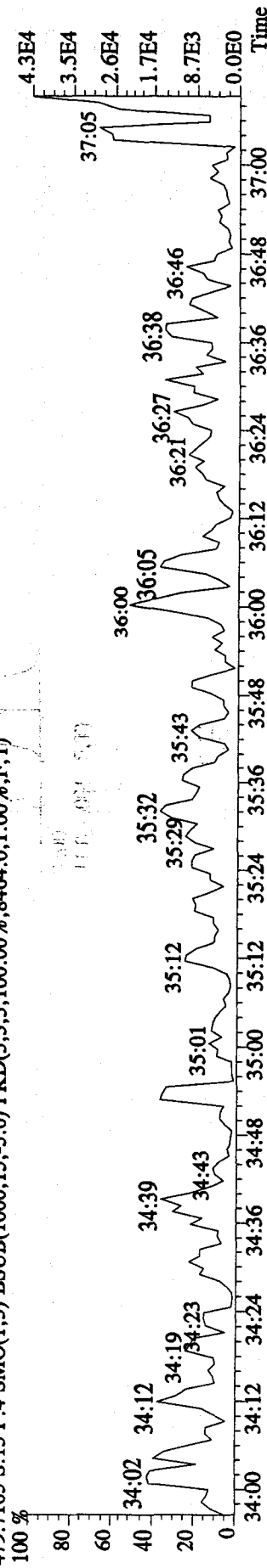
407.7818 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16208.0,1.00%,F,T)



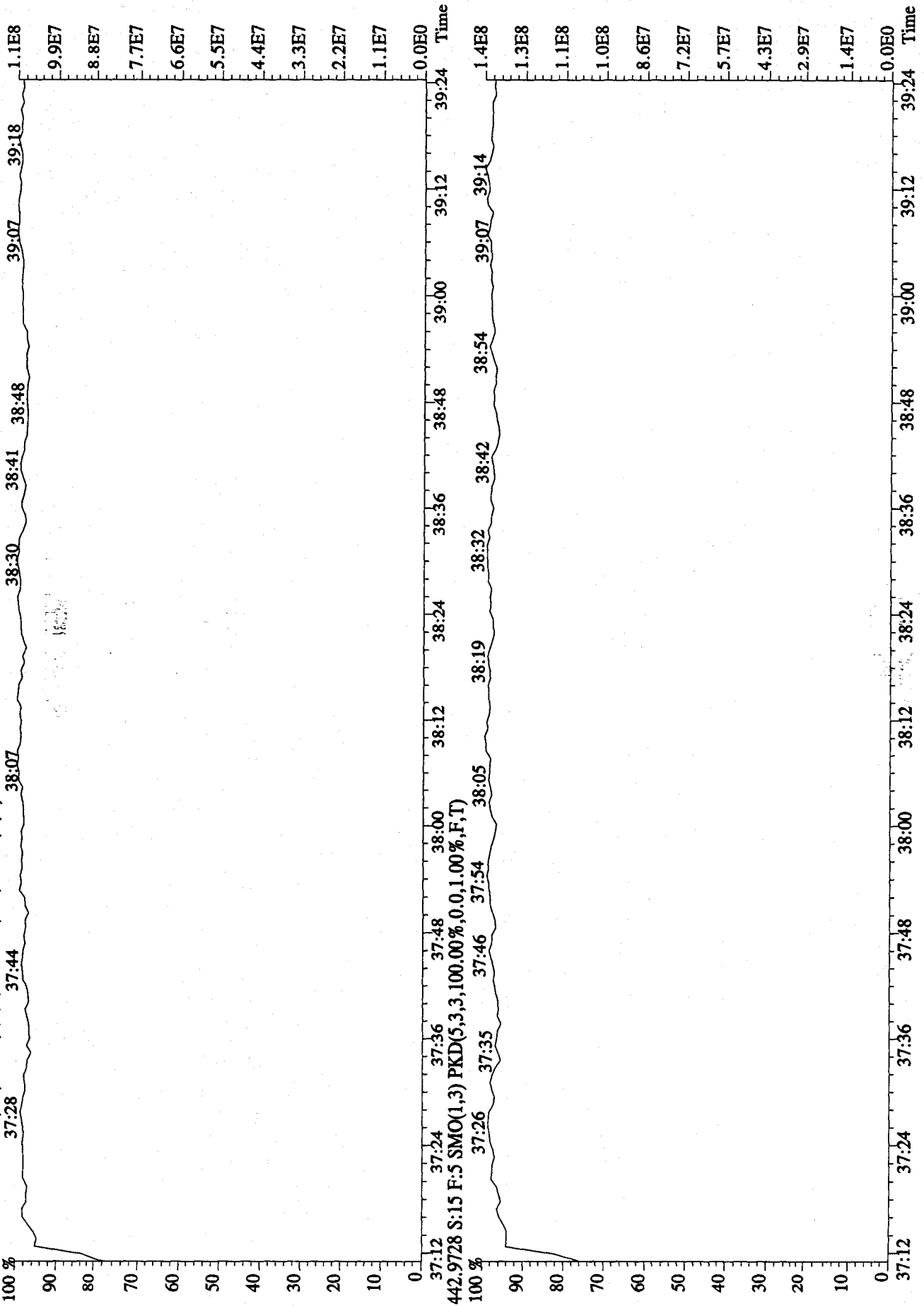
409.7789 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12188.0,1.00%,F,T)



479.7165 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,8464.0,1.00%,F,T)



File:06JA10A1D5 #1-161 Acq: 7-JAN-2010 07:55:09 GC EI+ Voltage SIR 70SE  
 Sample#15 Text:ST0106A :CS3 09DXN425 Exp:DIOXIN  
 454.9728 S:15 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 37:28 37:44 38:07 38:30 38:41 38:48 39:07 39:18 1.1E8



# **Initial Calibration**

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

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Dioxin Methods

ICAL ID (8290, 1613, T09, 23, 0023A, TETRAs) 123109/05

Method ID 8290, 1613B, T09, 23, 0023A Date Scanned \_\_\_\_\_

Column ID DB5 Instrument ID 105

STD ID's ST1231(B, C, D, E, F) STD Solution 09DXN(422, 423, 425, 426, 456)

GC Program OCDD Multiplier Setting 270

Analyzed By A.M. Date Analyzed 12/31/09, ~~1/1/10~~ 1/4/10

Prepared By M.G. Date Prepared 1/4/10

Reviewed By JRB Date Reviewed 1/4/10

Curve summary present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hardcopies of chromatograms for CS1-CS5 present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Copy of log-file present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Static resolution check present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Target file RT's correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
%RSD within method-specified limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Signal-to-noise criteria met?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isotopic ratios within limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
High point free of saturation?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Are chromatographic windows correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manual reintegration's checked and hardcopies included?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

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

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8-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



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	10:50	0.94	50.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28 y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51 y	31:25	0.90	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25 y	31:26	1.31	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25 y	31:35	1.48	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29 y	32:16	1.32	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26 y	33:02	1.44	50.00	n
Total HxCDF	-	- n	-	1.39	200.00	n
13C-1,2,3,6,7,8-HxCDD	199181900	1.29 y	32:31	0.75	100.00	n
1,2,3,4,7,8-HxCDD	97513000	1.26 y	32:26	0.98	50.00	n
1,2,3,6,7,8-HxCDD	109018400	1.29 y	32:32	1.09	50.00	n
1,2,3,7,8,9-HxCDD	132727200	1.29 y	32:50	1.33	50.00	n
Total HxCDD	-	- n	-	1.14	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	232544000	0.43 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	156361300	1.03 y	34:35	1.34	50.00	n
1,2,3,4,7,8,9-HpCDF	138612200	1.05 y	35:52	1.19	50.00	n
Total HpCDF	-	- n	-	1.27	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	199167200	1.09 y	35:30	0.75	100.00	n
1,2,3,4,6,7,8-HpCDD	105004000	1.05 y	35:31	1.05	50.00	n
Total HpCDD	-	- n	-	1.05	50.00	n
13C-OCDD	301292000	0.91 y	38:17	0.57	200.00	n
OCDF	228515000	0.90 y	38:25	1.52	100.00	n
OCDD	174447000	0.89 y	38:18	1.16	100.00	n

Run #4    Filename 31DE09A1D5    S: 5    I: 1  
 Acquired: 1-JAN-10    02:14:32    Processed: 4-JAN-10    07:30:49  
 Run: 15SE098D2    Analyte: 8290    Cal: 82901231091D5

## Comments:

Sample text: ST1231E :CS-4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	360177000	0.81 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	552269000	0.80 y	18:06	1.53	100.00	n
2,3,7,8-TCDF	200867500	0.77 y	18:07	0.91	40.00	n
Total TCDF	-	- n	-	0.91	40.00	n
13C-2,3,7,8-TCDD	350941000	0.80 y	18:52	0.97	100.00	n
2,3,7,8-TCDD	141705800	0.77 y	18:53	1.01	40.00	n
Total TCDD	-	- n	-	1.01	40.00	n
37Cl-2,3,7,8-TCDD	335352000	1.00 y	18:53	2.33	40.00	n
13C-1,2,3,7,8-PeCDF	369215000	1.63 y	23:31	1.03	100.00	n
1,2,3,7,8-PeCDF	814732000	1.58 y	23:32	1.10	200.00	n
2,3,4,7,8-PeCDF	775079000	1.57 y	24:57	1.05	200.00	n
Total F2 PeCDF	-	- n	-	1.08	400.00	n
Total F1 PeCDF	-	- n	-	1.08	400.00	n
13C-1,2,3,7,8-PeCDD	239834200	1.64 y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	500625000	1.60 y	25:44	1.04	200.00	n
Total PeCDD	-	- n	-	1.04	200.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51 y	31:25	0.76	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26 y	31:26	1.33	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27 y	31:35	1.51	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26 y	32:16	1.36	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26 y	33:02	1.57	200.00	n
Total HxCDF	-	- n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	219899700	1.29 y	32:31	0.61	100.00	n
1,2,3,4,7,8-HxCDD	507310000	1.25 y	32:27	1.15	200.00	n
1,2,3,6,7,8-HxCDD	512249000	1.28 y	32:32	1.16	200.00	n
1,2,3,7,8,9-HxCDD	690425000	1.27 y	32:51	1.57	200.00	n
Total HxCDD	-	- n	-	1.30	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	278355600	0.44 y	34:34	0.78	100.00	n
1,2,3,4,6,7,8-HpCDF	784068000	1.04 y	34:35	1.41	200.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04 y	35:53	1.27	200.00	n
Total HpCDF	-	- n	-	1.34	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	244993000	1.09 y	35:31	0.68	100.00	n
1,2,3,4,6,7,8-HpCDD	539498000	1.05 y	35:31	1.10	200.00	n
Total HpCDD	-	- n	-	1.10	200.00	n
13C-OCDD	366780000	0.90 y	38:18	0.51	200.00	n
OCDF	1195334000	0.91 y	38:25	1.63	400.00	n
OCDD	901352000	0.90 y	38:18	1.23	400.00	n



Run #5 Filename 31DE09A1D5 S: 6 I: 1  
 Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 07:30:50  
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

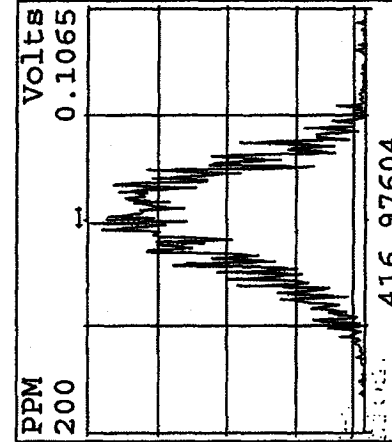
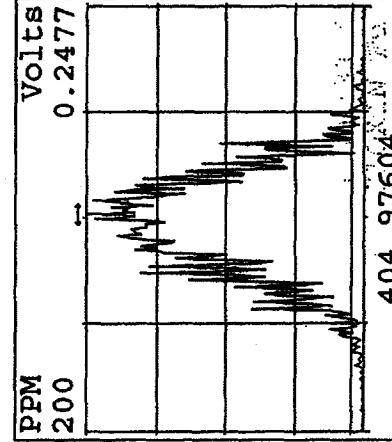
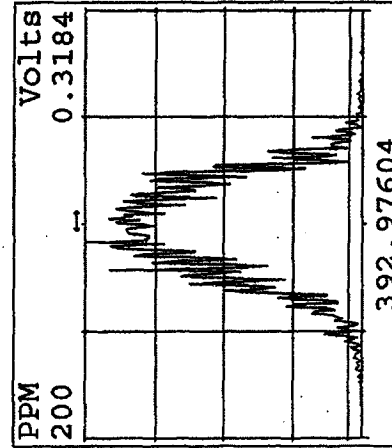
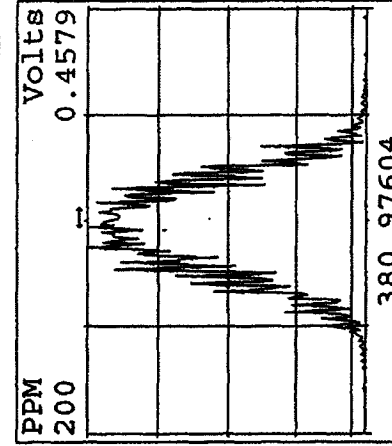
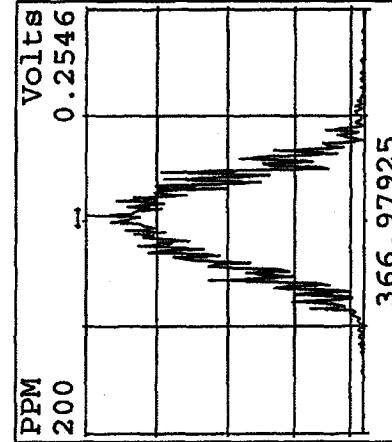
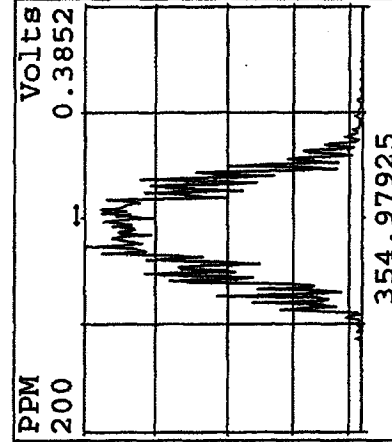
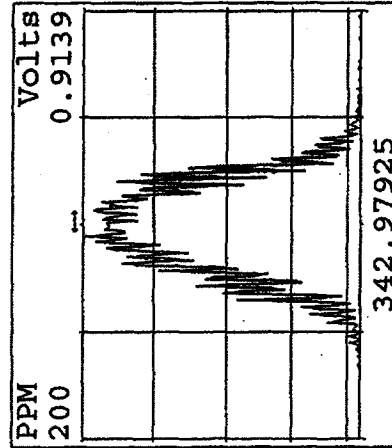
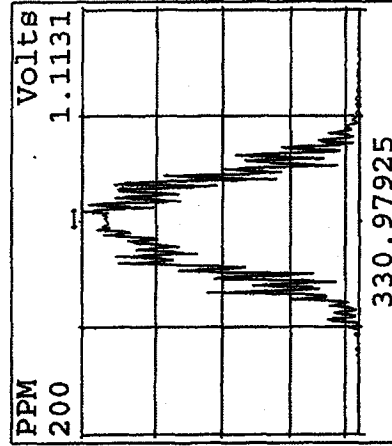
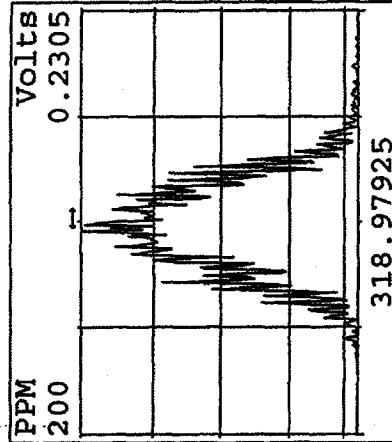
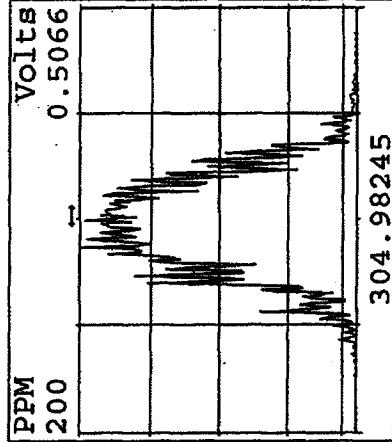
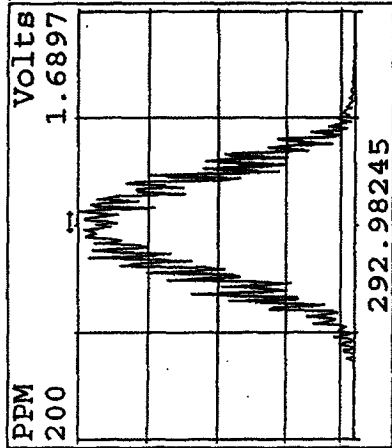
## Comments:

Sample text: ST1231F :CS-5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	223948500	0.79 y	18:39	-	100.00	n
13C-2,3,7,8-TCDF	370833000	0.77 y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76 y	18:06	0.98	200.00	n
Total TCDF	-	- n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80 y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78 y	18:52	1.07	200.00	n
Total TCDD	-	- n	-	1.07	200.00	n
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.74	200.00	n
13C-1,2,3,7,8-PeCDF	283018000	1.63 y	23:30	1.26	100.00	n
1,2,3,7,8-PeCDF	3129820000	1.57 y	23:32	1.11	1000.00	n
2,3,4,7,8-PeCDF	2975790000	1.57 y	24:57	1.05	1000.00	n
Total F2 PeCDF	-	- n	-	1.08	2000.00	n
Total F1 PeCDF	-	- n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	178526400	1.62 y	25:42	0.80	100.00	n
1,2,3,7,8-PeCDD	1892442000	1.58 y	25:44	1.06	1000.00	n
Total PeCDD	-	- n	-	1.06	1000.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51 y	31:25	0.94	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24 y	31:27	1.32	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.45	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.36	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.42	1000.00	n
Total HxCDF	-	- n	-	1.38	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27 y	32:31	0.78	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25 y	32:27	1.11	1000.00	n
1,2,3,6,7,8-HxCDD	2046135000	1.28 y	32:32	1.15	1000.00	n
1,2,3,7,8,9-HxCDD	2448250000	1.27 y	32:51	1.37	1000.00	n
Total HxCDD	-	- n	-	1.21	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	201777500	0.44 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	2821880000	1.05 y	34:35	1.40	1000.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04 y	35:53	1.27	1000.00	n
Total HpCDF	-	- n	-	1.33	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	180867800	1.08 y	35:31	0.79	100.00	n
1,2,3,4,6,7,8-HpCDD	1991700000	1.05 y	35:32	1.10	1000.00	n
Total HpCDD	-	- n	-	1.10	1000.00	n
13C-OCDD	281979000	0.89 y	38:19	0.61	200.00	n
OCDF	4472470000	0.91 y	38:26	1.59	2000.00	n
OCDD	3427190000	0.90 y	38:20	1.22	2000.00	n

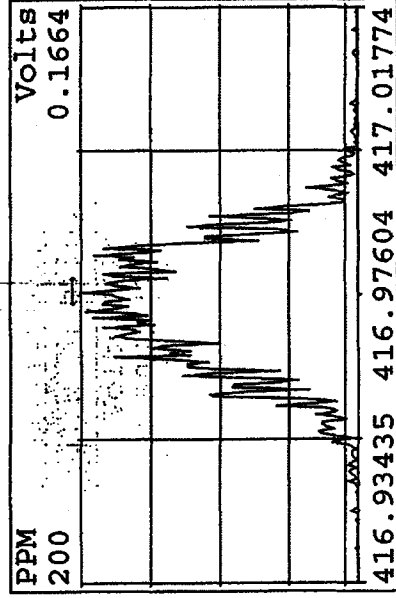
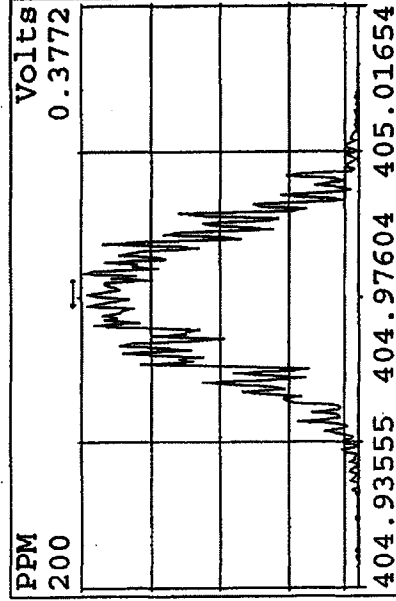
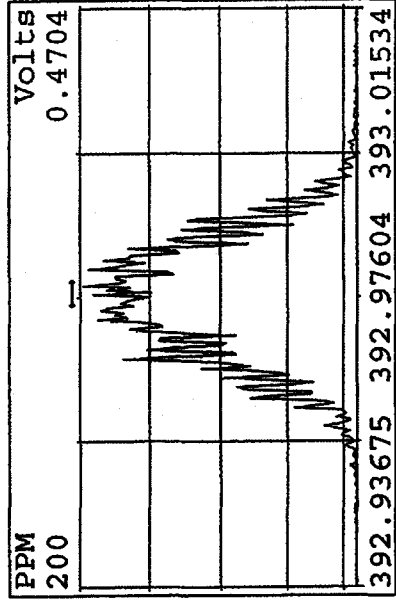
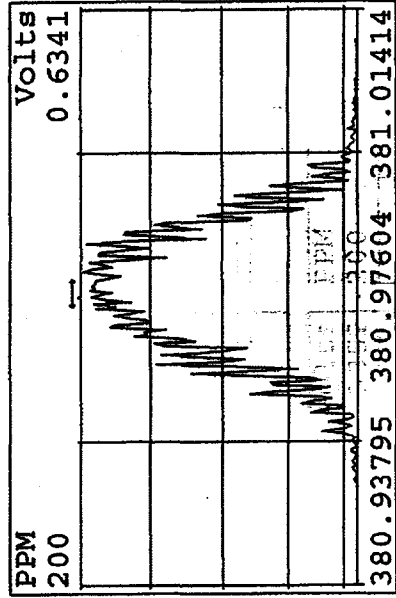
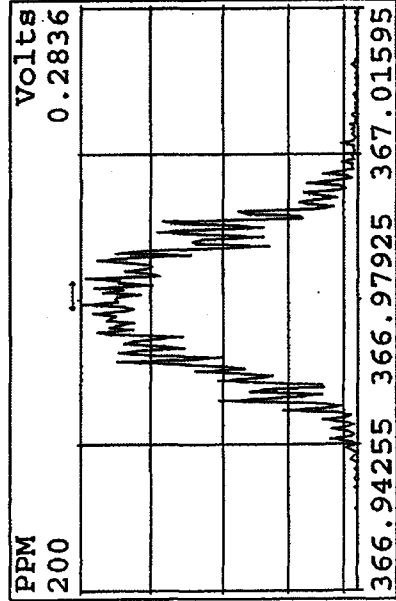
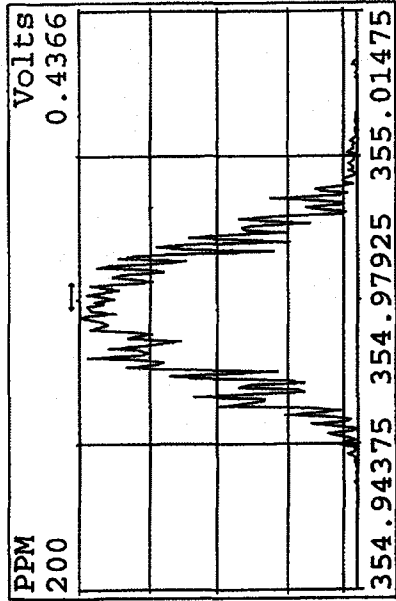
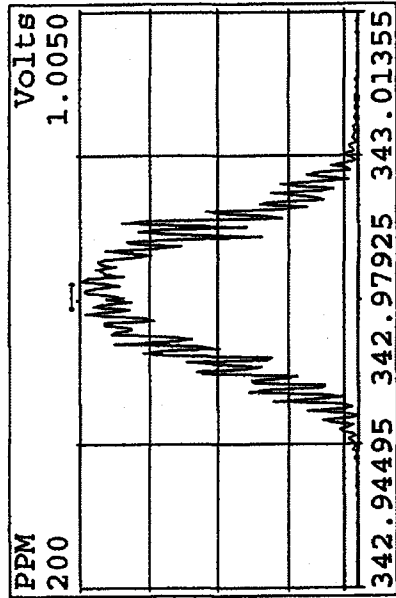
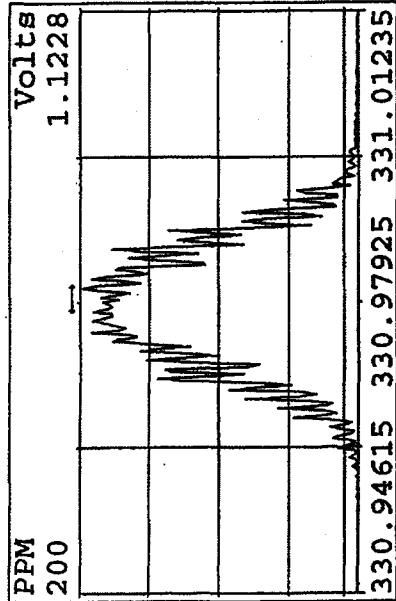
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31DE09A1D5	3	ST1231C	CS-2 09DXN423				1.000	
31DE09A1D5	4	ST1231D	CS-3 09DXN425				1.000	
31DE09A1D5	5	ST1231E	CS-4 09DXN426				1.000	
31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
31DE09A1D5	8	ST1231G	2nd Source 09DXN449	500	1613B/8290		1.000	
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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:31DE09A1D5  
Experiment:DIOXIN Function:1 Reference:PFK

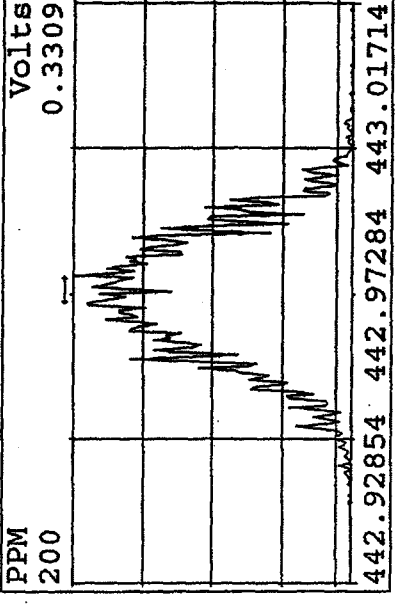
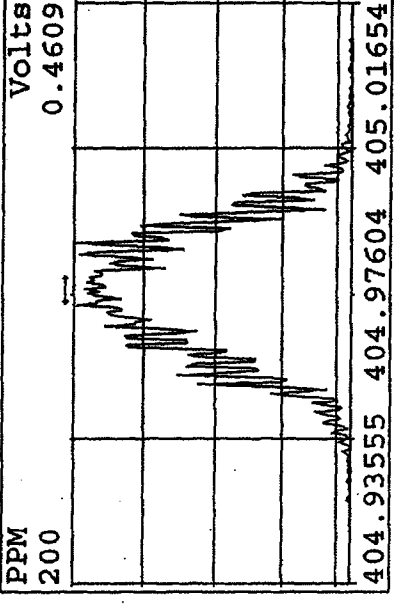
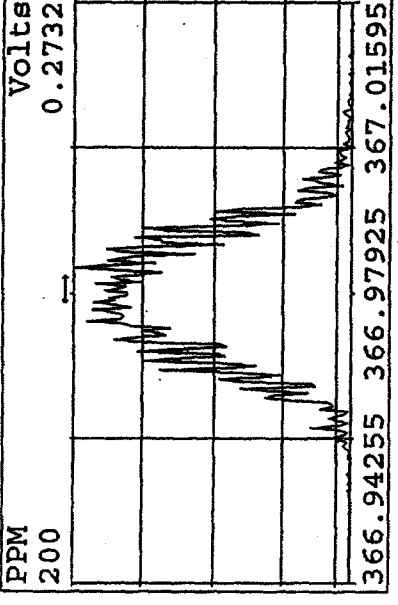
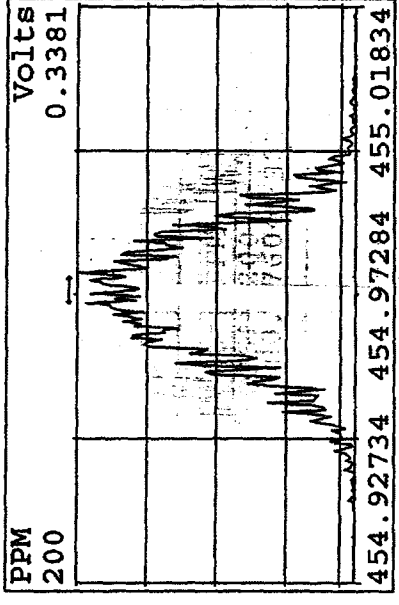
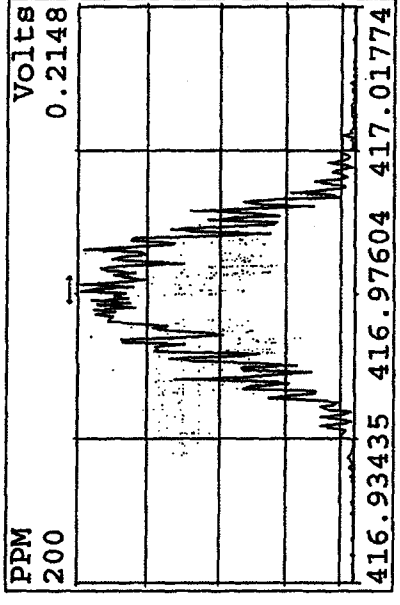
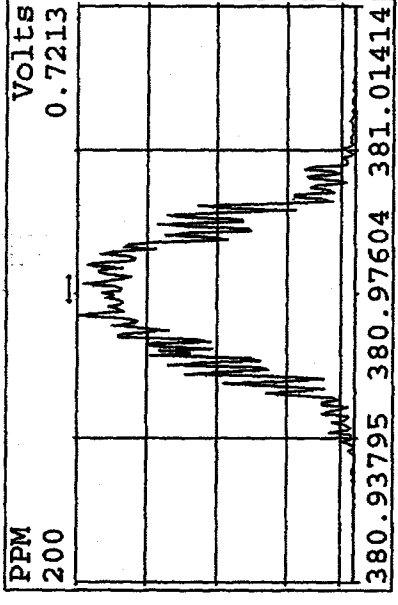
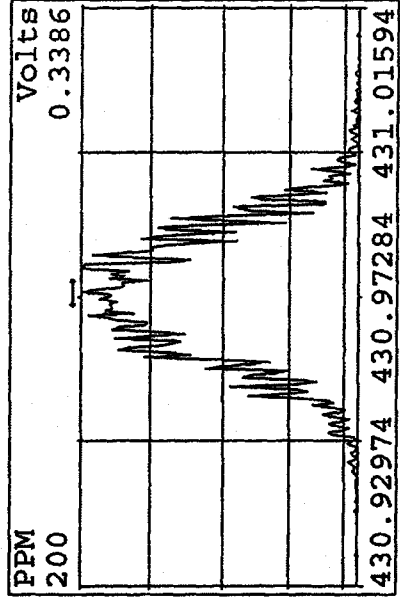
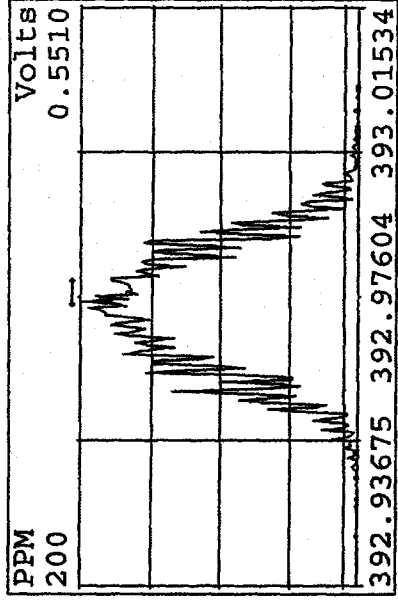


PPM 200  
Volts 0.5066

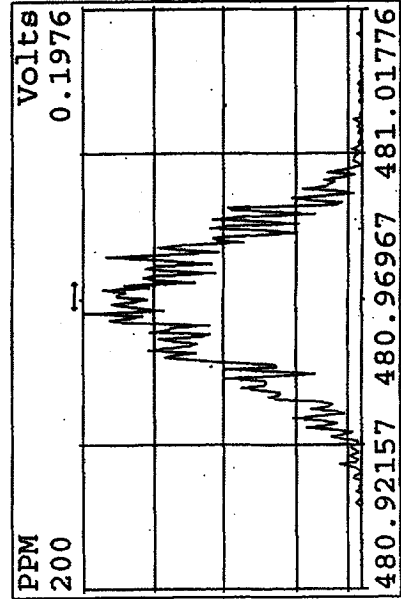
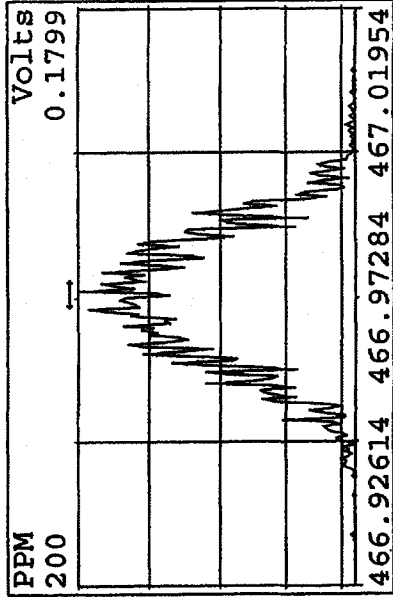
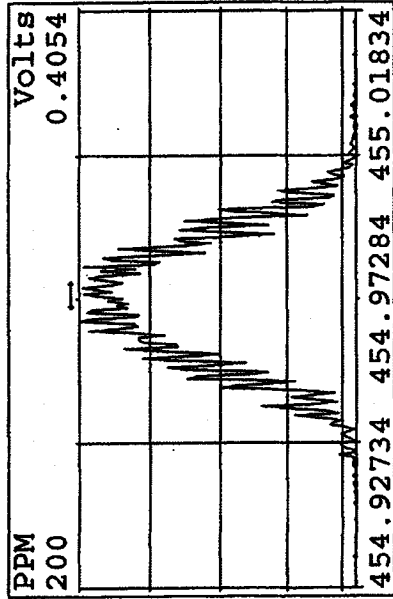
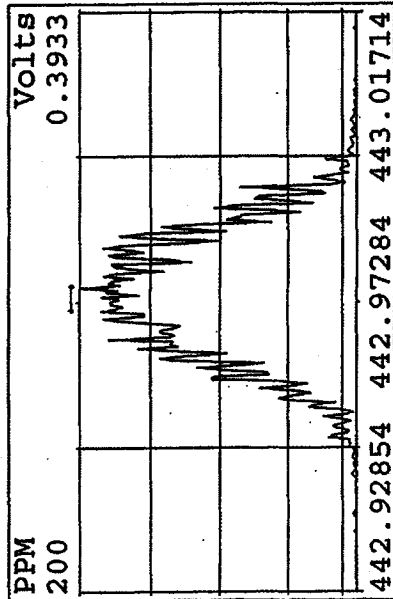
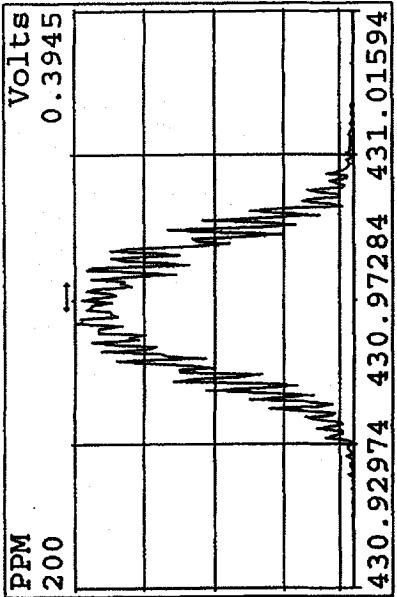
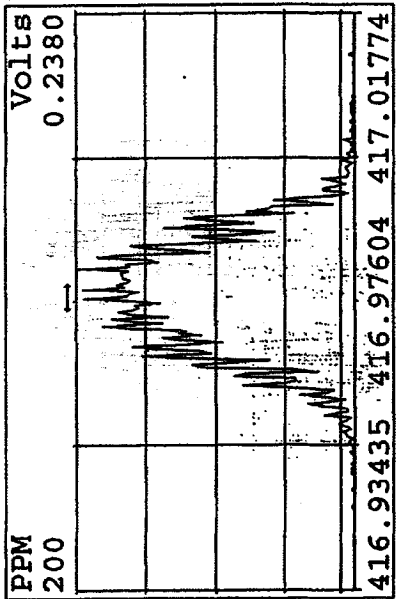
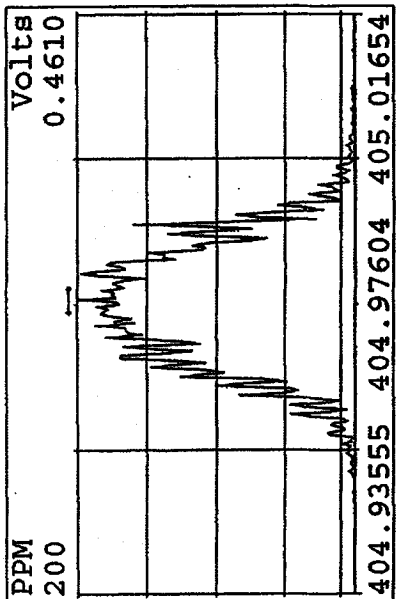
Peak Locate Examination:31-DEC-2009:23:20 File:31DE09A1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



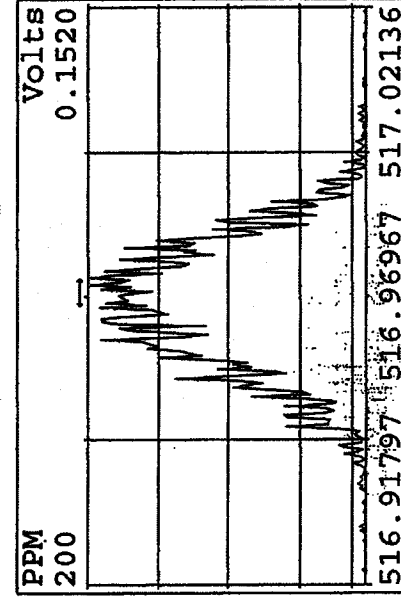
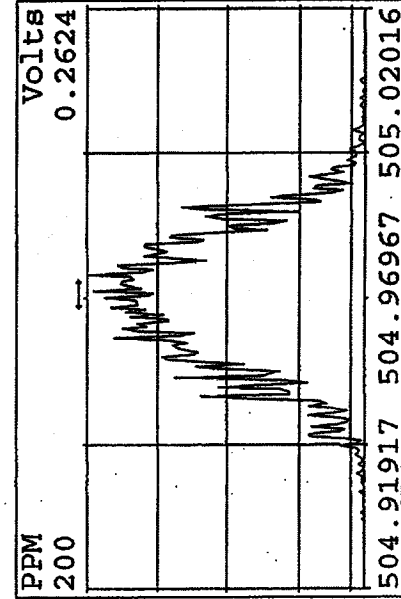
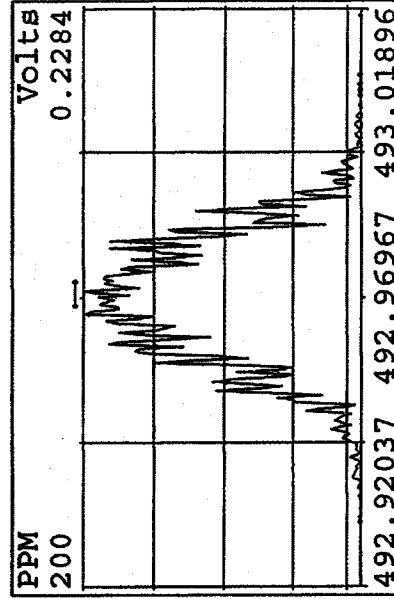
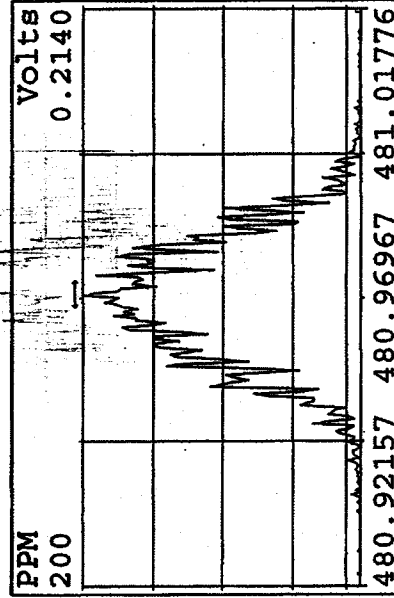
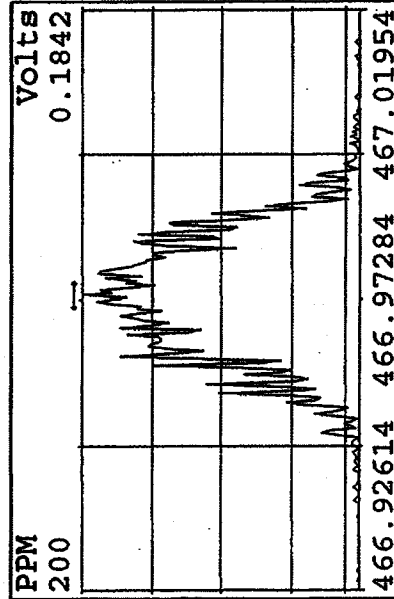
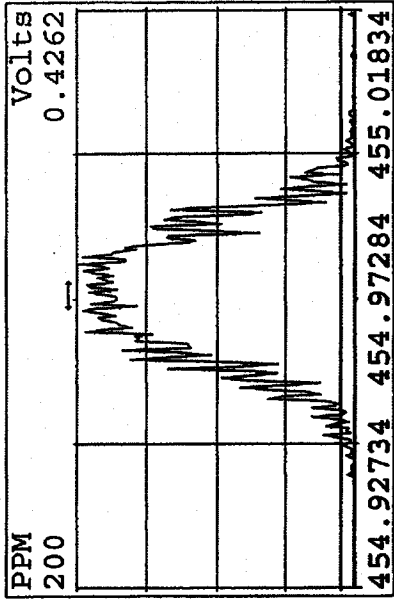
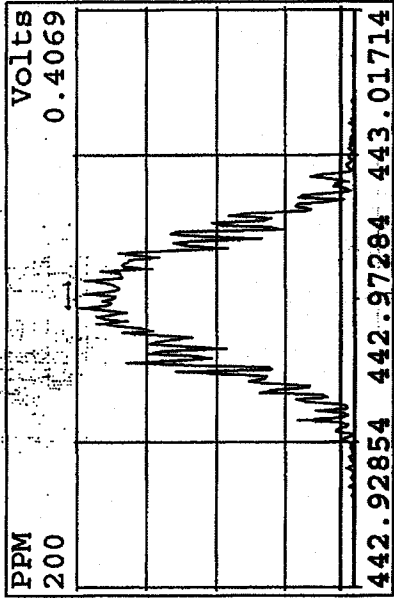
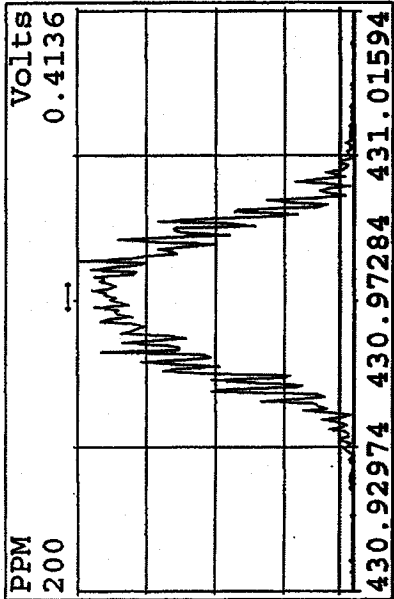
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



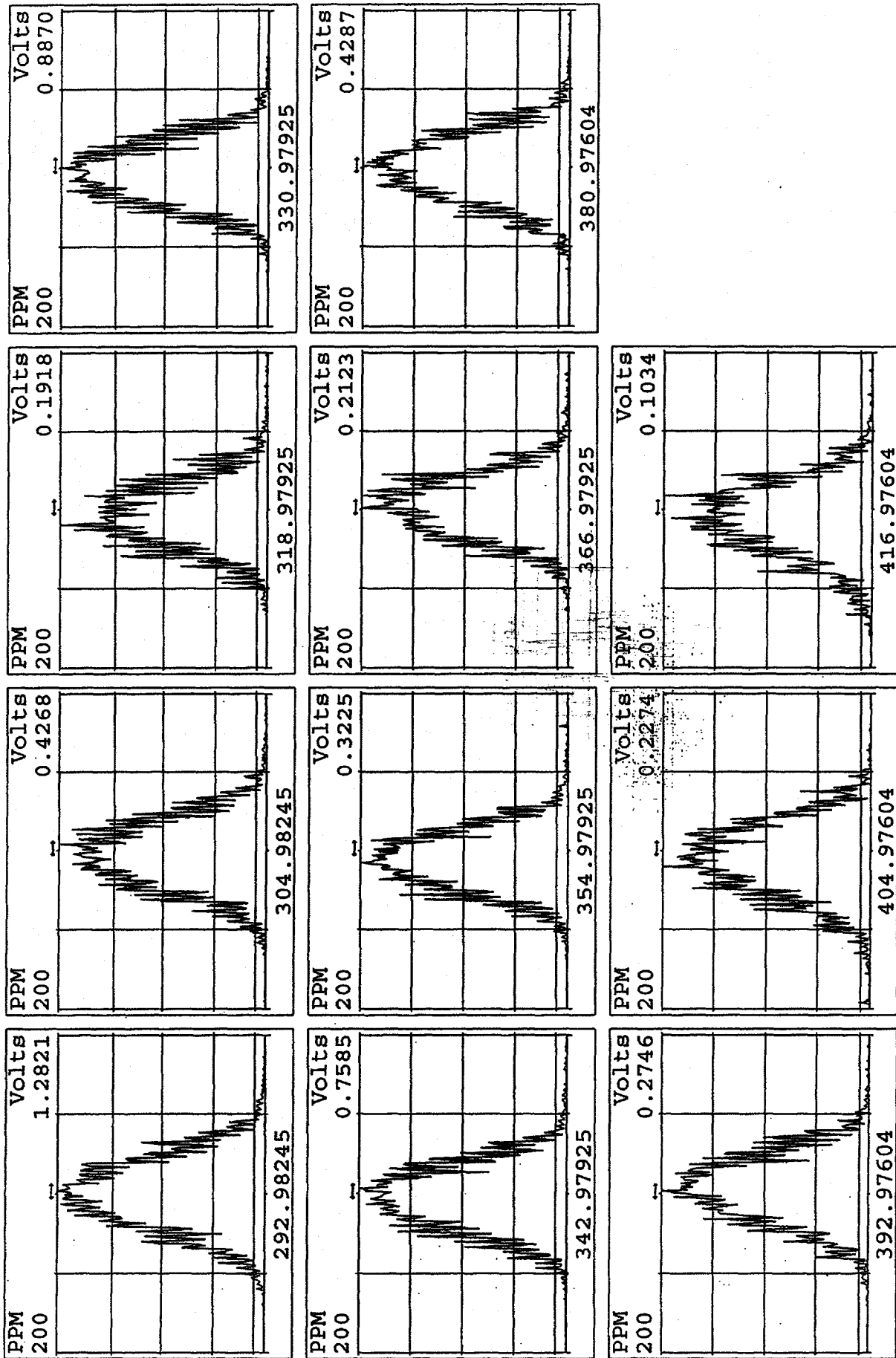
Peak Locate Examination:31-DEC-2009:23:22 File:31DE09A1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 31-DEC-2009:23:24 File:31DE09A1D5  
 Experiment:DIOXIN Function:5 Reference:PFK

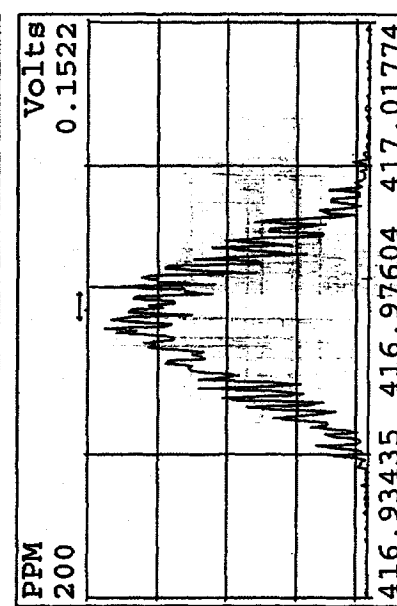
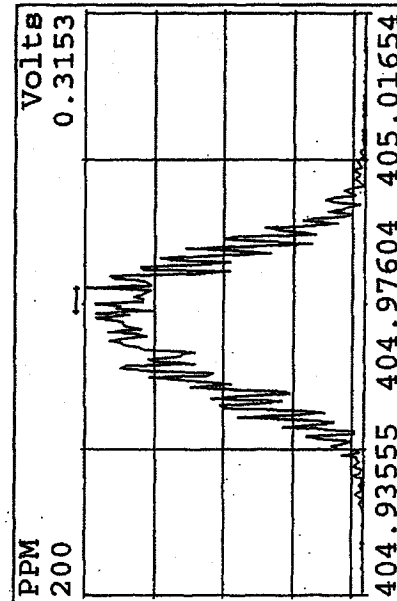
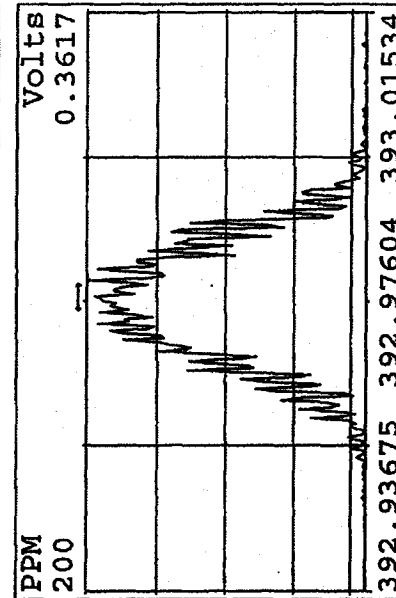
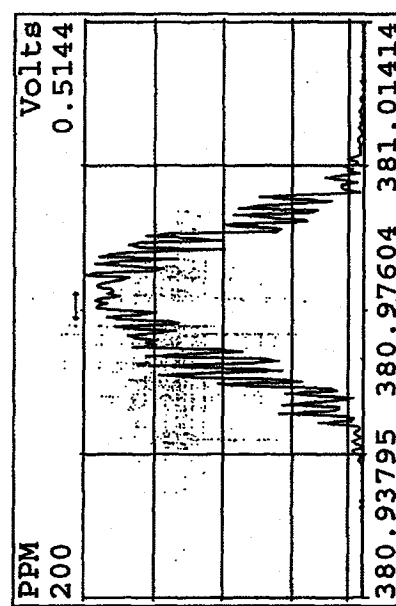
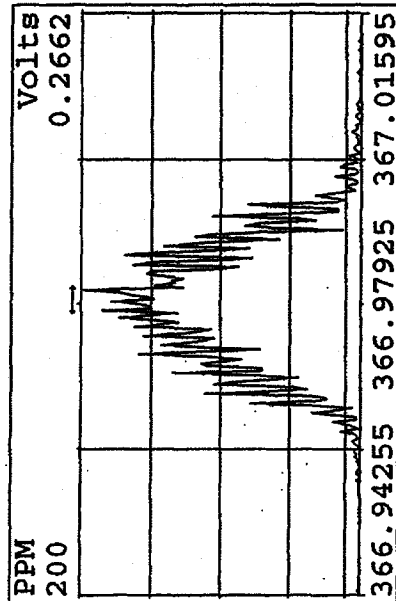
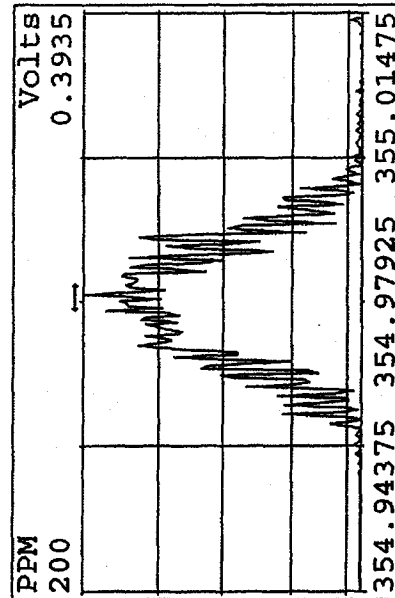
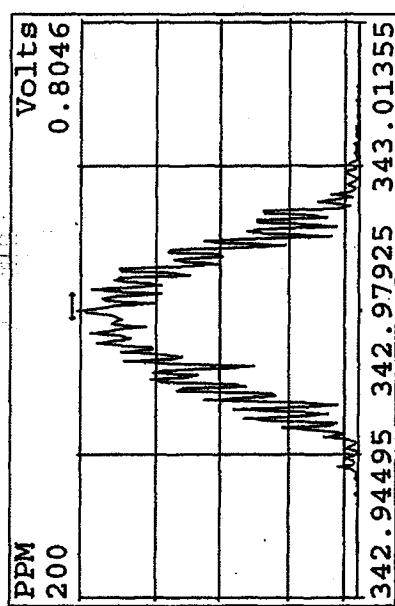
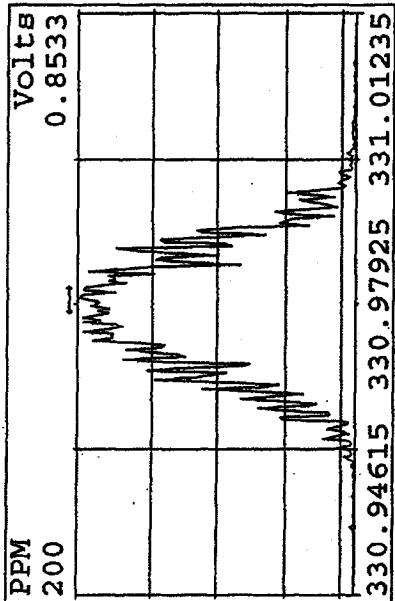


Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5  
Experiment:DIOXIN Function:1 Reference:PFK

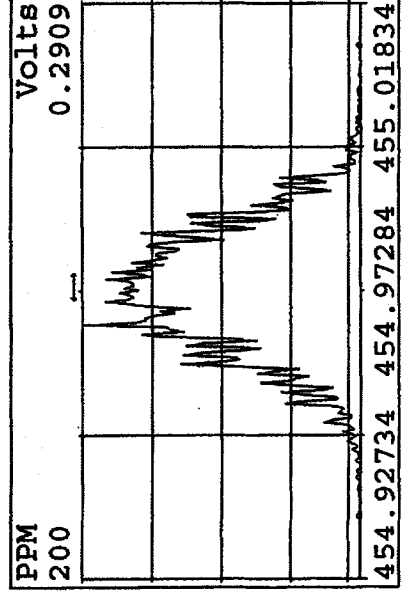
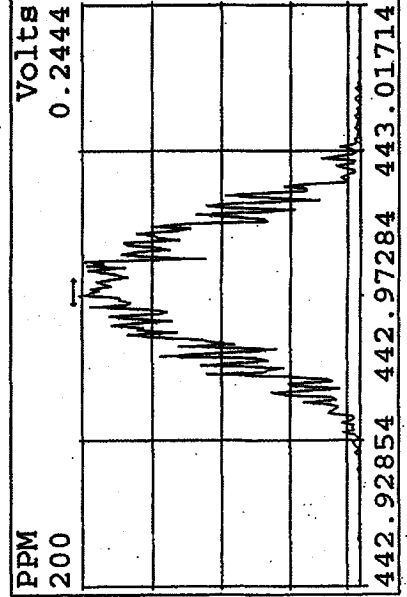
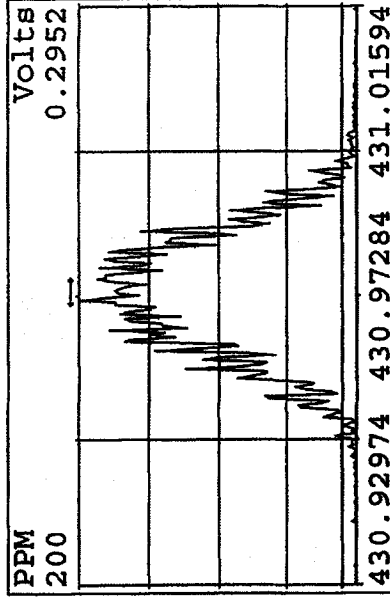
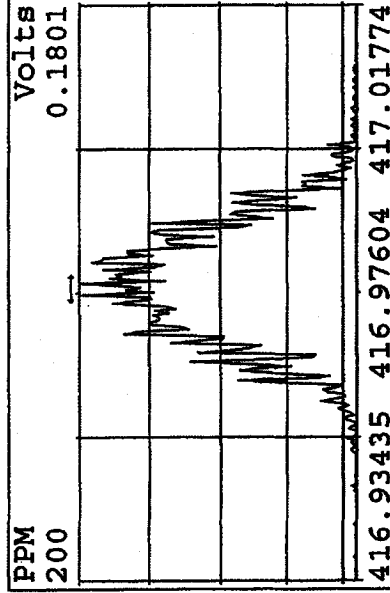
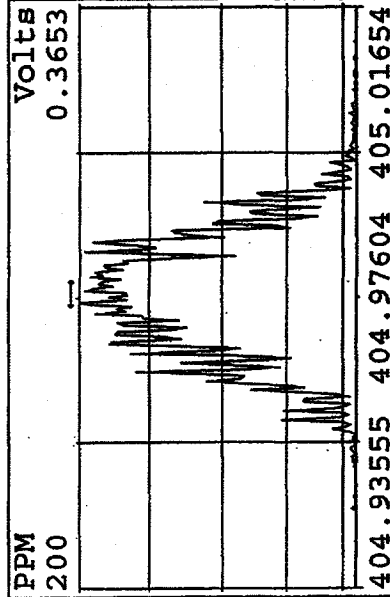
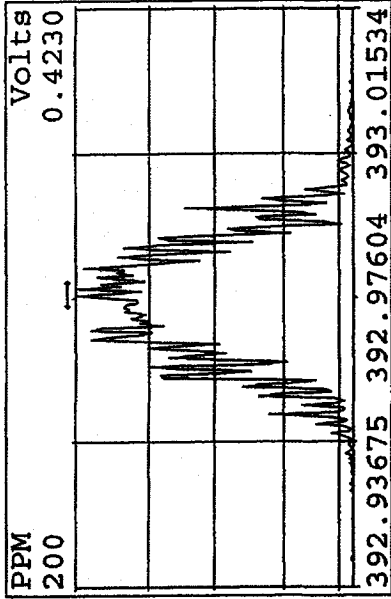
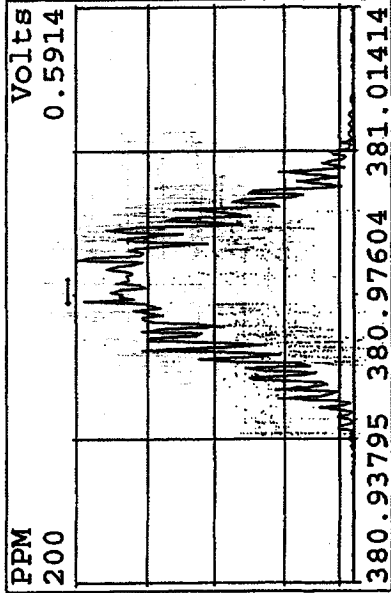
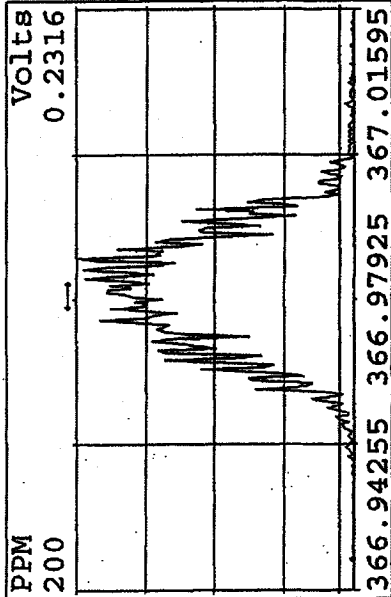




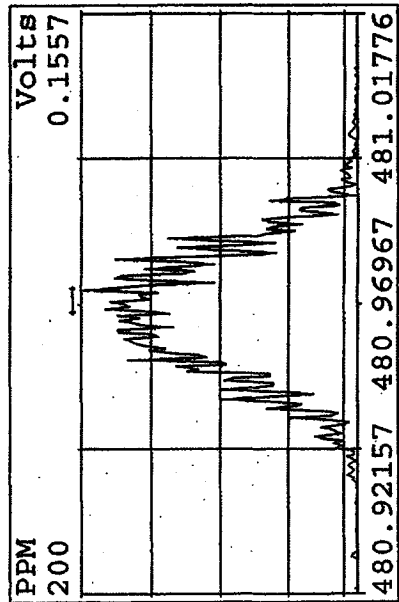
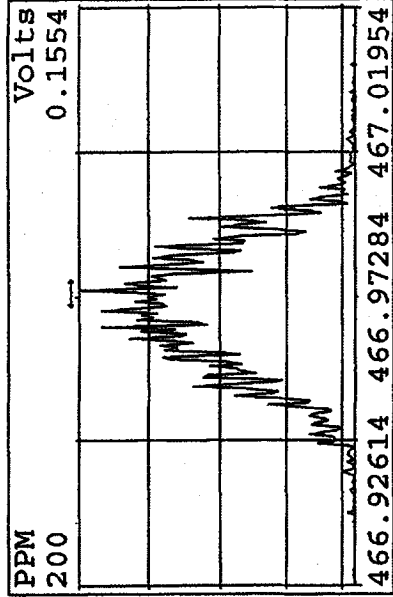
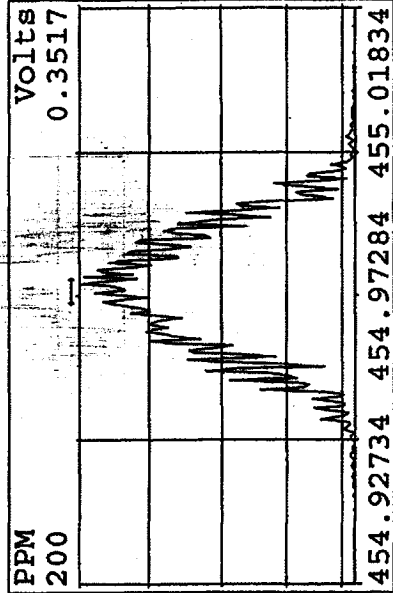
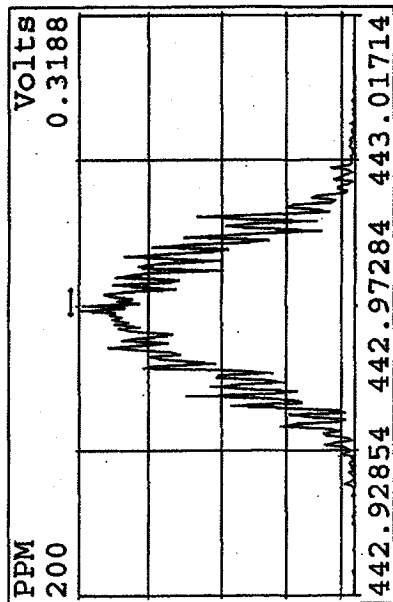
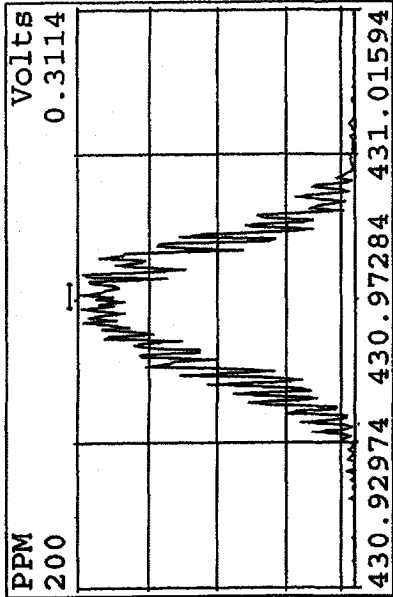
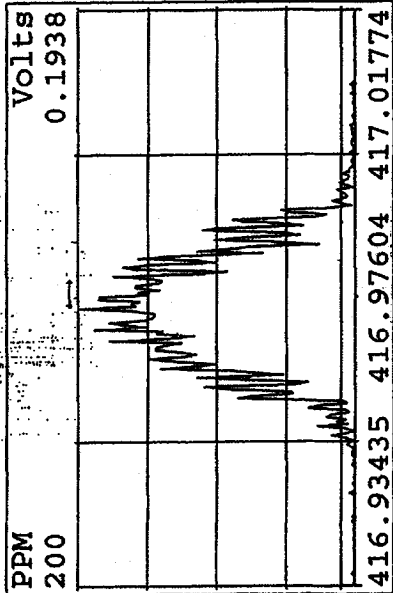
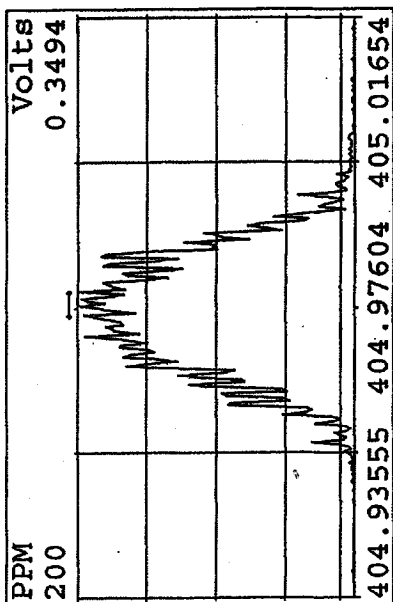
Peak Locate Examination: 1-JAN-2010:07:37 File:RESCHECK1D5  
 Experiment:DIOXIN Function:2 Reference:PFK



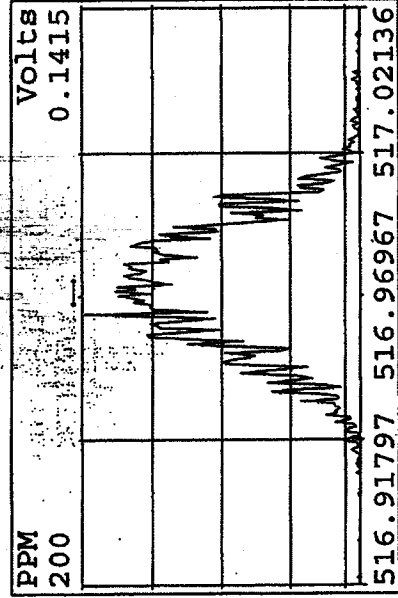
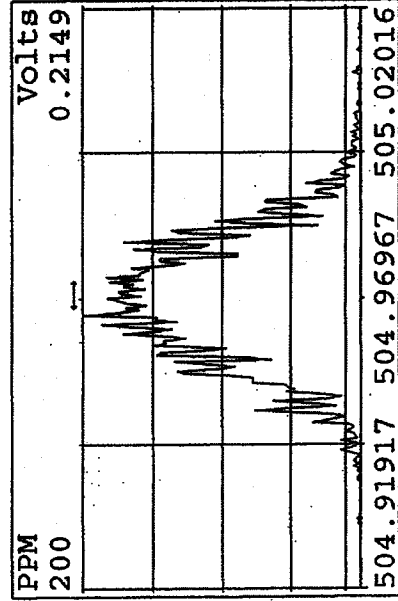
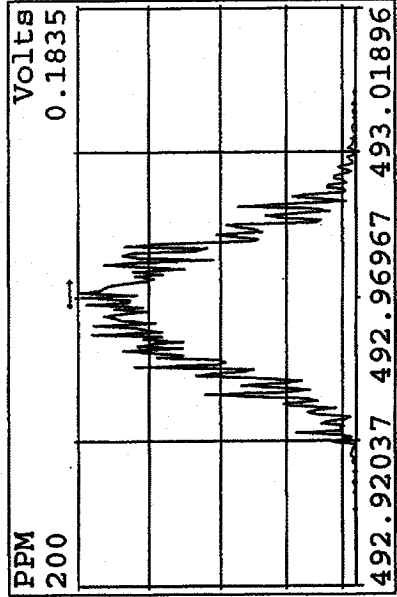
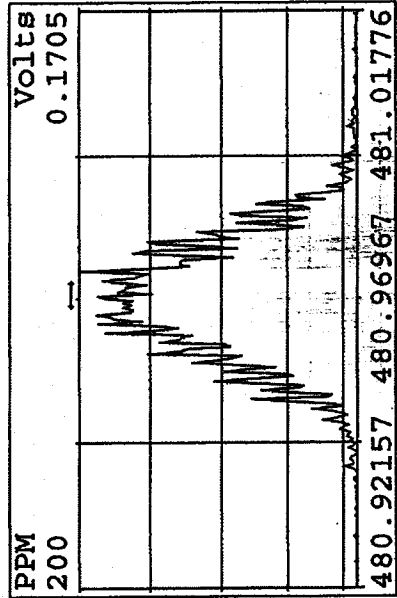
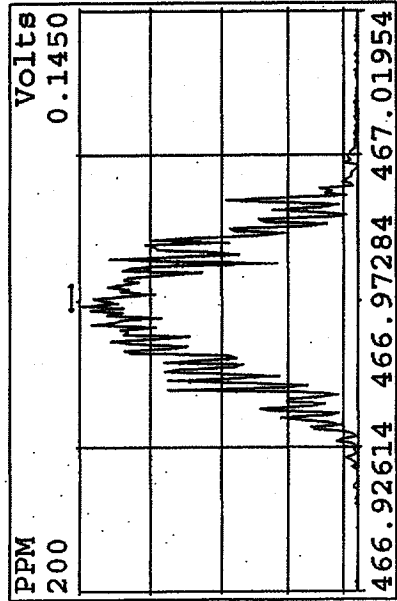
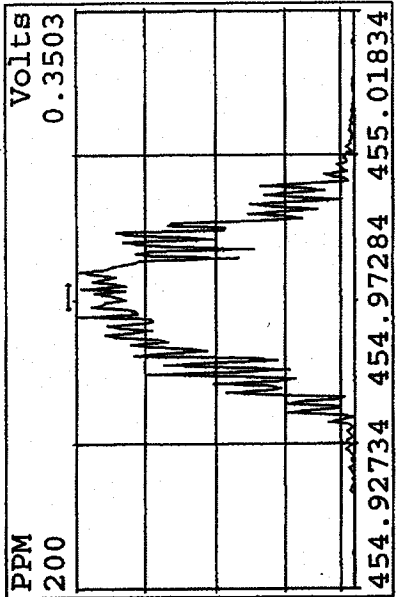
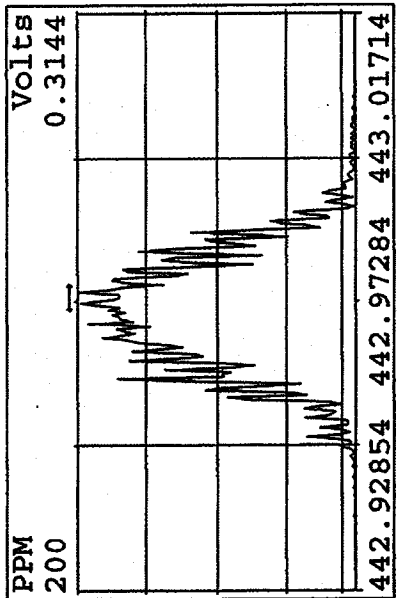
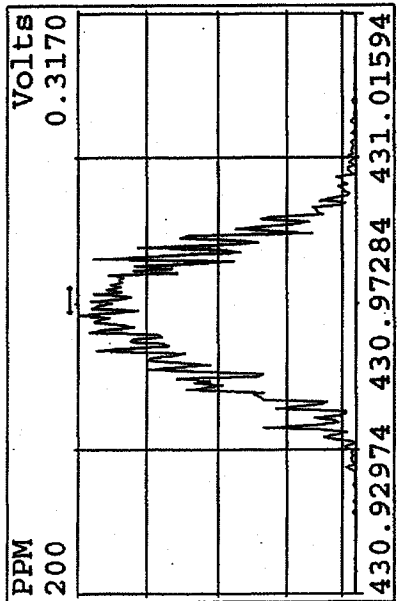
Peak Locate Examination: 1-JAN-2010:07:38 File:RESCHECK1D5  
 Experiment:DIOXIN Function:3 Reference:PFK



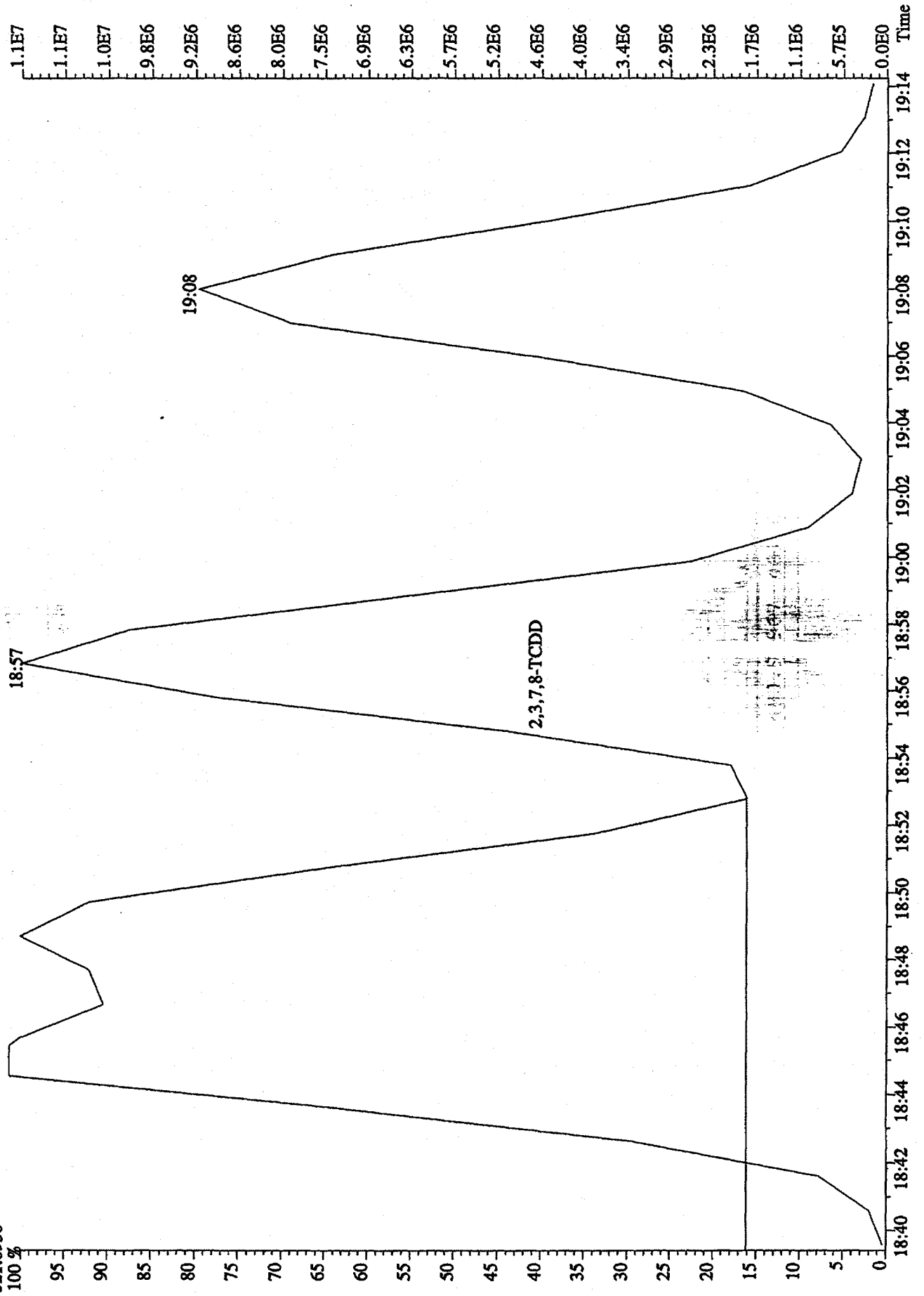
Peak Locate Examination: 17JAN-2010:07:39 File:RESCHECK1D5  
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 1-JAN-2010:07:40 File:RESCHECK1D5  
 Experiment:DIOXIN Function:5 Reference:PFK



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  
321.8936

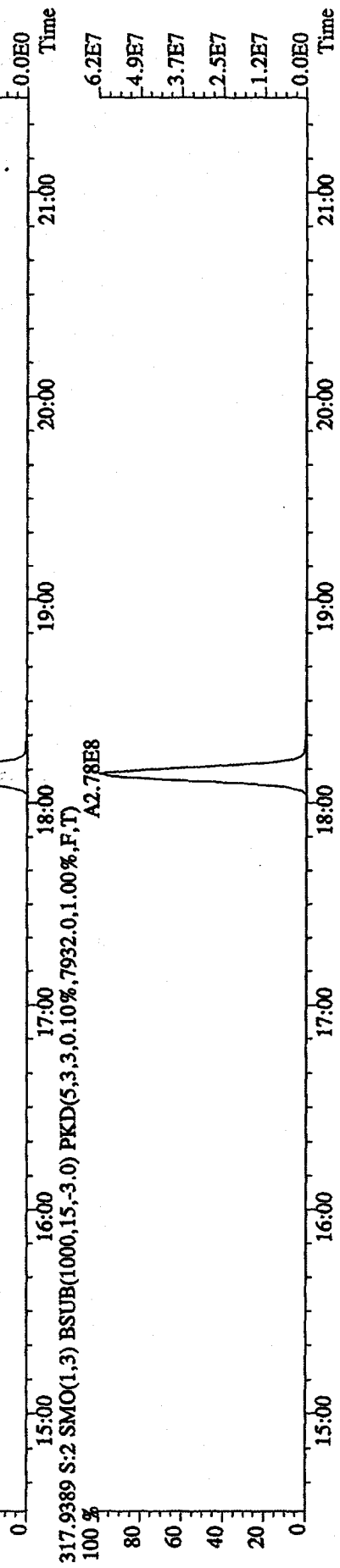
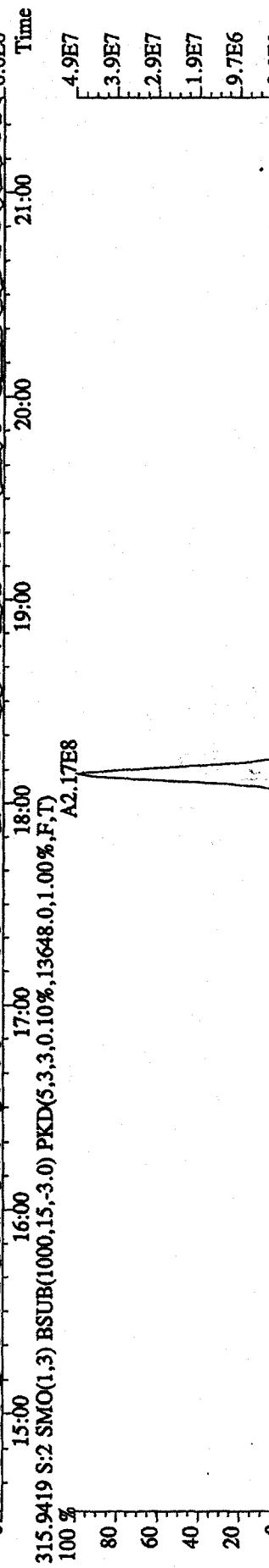
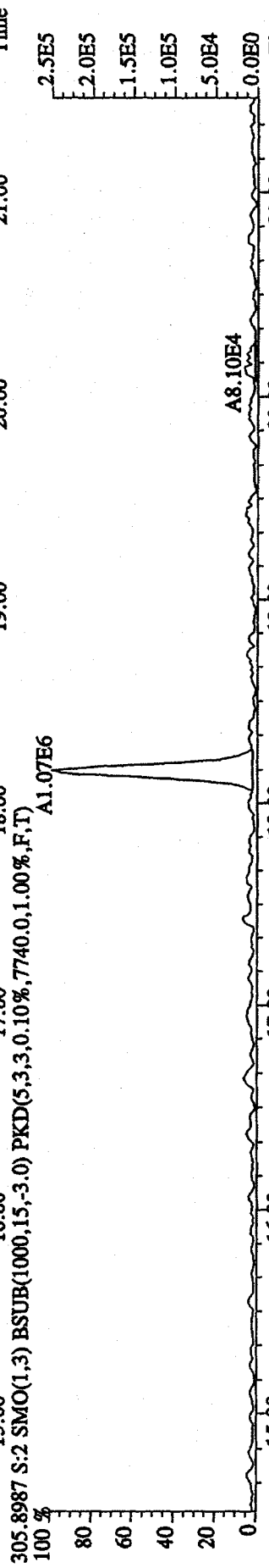
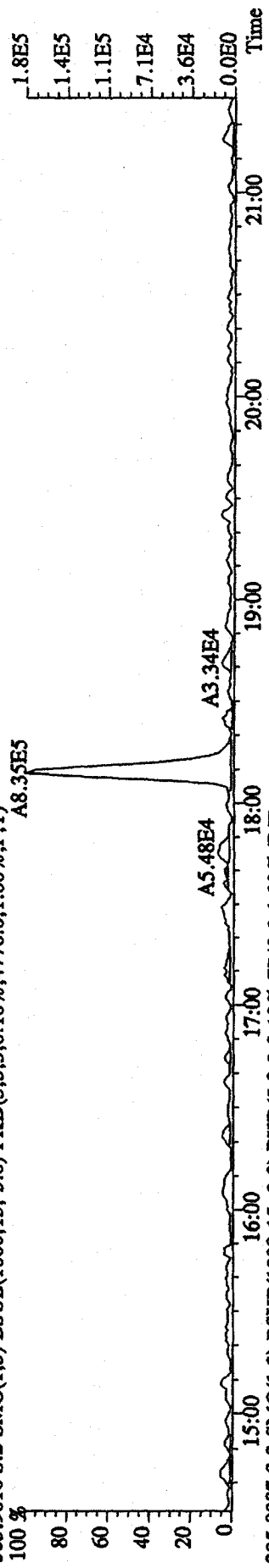


Run text: ST1231G                      Sample text: ST1231G :2nd Source 09DXN449  
 Run #6    Filename: 31DE09A1D5    S: 8    I: 1                      Results: 31DE09A1D51613  
 Acquired: 1-JAN-10    04:19:56                      Processed: 4-JAN-10    08:47:22  
 Run: 31DE09A1D5                      Analyte: 1613                      Cal: 16131231091D5  
 Factor 1: 400.000                      Factor 2: 20.000                      Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	233268000	0.81 y	18:42	-	74.89	-	3.7	n
13C-2,3,7,8-TCDF	353417000	0.79 y	18:09	1.57	1934.92	1.89	96.7	n
2,3,7,8-TCDF	29473900	0.75 y	18:10	0.86	193.98	1.19	-	n
Total TCDF	29878342	0.71 y	17:44	0.86	196.64	1.19	-	n
13C-2,3,7,8-TCDD	237599000	0.79 y	18:54	0.99	2050.84	3.63	102.5	n
2,3,7,8-TCDD	20517060	0.77 y	18:55	0.93	184.95	1.19	-	n
Total TCDD	20584547	4.35 n	18:08	0.93	185.56	1.19	-	n
37Cl-2,3,7,8-TCDD	54584600	1.00 y	18:55	2.22	210.99	0.58	105.5	n
13C-1,2,3,7,8-PeCDF	258286200	1.61 y	23:34	1.07	2064.12	1.55	103.2	n
1,2,3,7,8-PeCDF	61444300	1.63 y	23:35	1.00	475.75	1.74	-	n
13C-2,3,4,7,8-PeCDF	243753700	1.62 y	24:59	1.03	2025.63	1.61	101.3	n
2,3,4,7,8-PeCDF	55918300	1.65 y	25:01	0.98	469.60	2.00	-	n
Total F2 PeCDF	119226673	0.82 n	22:06	0.99	960.37	1.86	-	n
Total F1 PeCDF	218994	0.56 n	16:04	0.99	1.76	1.60	-	n
13C-1,2,3,7,8-PeCDD	156506400	1.64 y	25:46	0.67	2013.73	1.54	100.7	n
1,2,3,7,8-PeCDD	33662100	1.63 y	25:48	0.93	462.96	2.68	-	n
Total PeCDD	33824671	3.66 n	25:27	0.93	465.20	2.68	-	n
13C-1,2,3,7,8,9-HxCDD	177940200	1.25 y	32:51	-	64.87	-	-	n
13C-1,2,3,4,7,8-HxCDF	184934800	0.51 y	31:27	0.89	2328.15	4.47	116.4	n
1,2,3,4,7,8-HxCDF	53136200	1.31 y	31:28	1.20	479.25	2.45	-	n
13C-1,2,3,6,7,8-HxCDF	244860900	0.52 y	31:36	1.14	2407.44	3.49	120.4	n
1,2,3,6,7,8-HxCDF	62674400	1.23 y	31:37	1.07	477.98	2.04	-	n
13C-2,3,4,6,7,8-HxCDF	206484200	0.51 y	32:17	0.99	2340.79	4.03	117.0	n
2,3,4,6,7,8-HxCDF	51999200	1.28 y	32:18	1.12	450.75	2.09	-	n
13C-1,2,3,7,8,9-HxCDF	200333300	0.51 y	33:03	1.07	2099.56	3.72	105.0	n
1,2,3,7,8,9-HxCDF	52210900	1.25 y	33:04	1.09	476.28	2.26	-	n
Total HxCDF	220020700	1.31 y	31:28	1.12	1884.27	2.20	-	n
13C-1,2,3,4,7,8-HxCDD	148948400	1.25 y	32:27	0.73	2291.14	1.29	114.6	n
1,2,3,4,7,8-HxCDD	35533800	1.25 y	32:28	0.97	493.76	1.44	-	n
13C-1,2,3,6,7,8-HxCDD	152466700	1.30 y	32:33	0.73	2340.82	1.29	117.0	n
1,2,3,6,7,8-HxCDD	38830200	1.26 y	32:34	1.06	481.27	1.47	-	n
1,2,3,7,8,9-HxCDD	40200100	1.26 y	32:52	1.27	419.65	1.16	-	n
Total HxCDD	114605618	3.00 n	32:17	1.10	1395.19	1.34	-	n
13C-1,2,3,4,6,7,8-HpCDF	173164700	0.43 y	34:36	0.86	2262.83	6.25	113.1	n
1,2,3,4,6,7,8-HpCDF	54083400	1.05 y	34:37	1.29	485.50	1.92	-	n
13C-1,2,3,4,7,8,9-HpCDF	152527600	0.42 y	35:53	0.77	2233.57	7.00	111.7	n
1,2,3,4,7,8,9-HpCDF	44615700	1.05 y	35:54	1.27	459.77	2.42	-	n
Total HpCDF	98699100	1.05 y	34:37	1.28	945.27	2.15	-	n

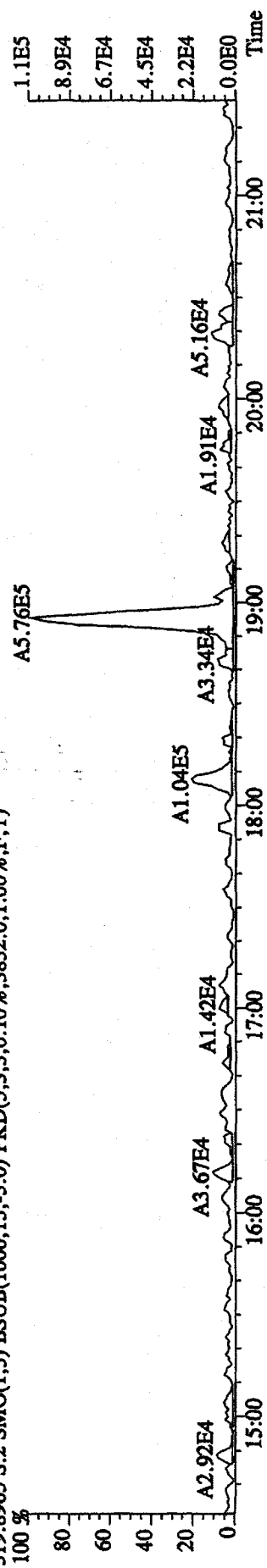
13C-1,2,3,4,6,7,8-HpCDD	150261100	1.06	y	35:32	0.75	2245.36	4.02	112.3	n
1,2,3,4,6,7,8-HpCDD	35301400	1.05	y	35:33	1.00	470.89	2.29	-	n
Total HpCDD	35553500	0.78	n	34:54	1.00	474.25	2.29	-	n
13C-OCDD	214408000	0.91	y	38:20	0.56	4269.63	4.55	106.7	n
OCDF	71179900	0.89	y	38:28	1.44	923.89	2.51	-	n
OCDD	55918600	0.88	y	38:20	1.11	940.23	2.77	-	n

File:3IDE09A1D5 #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)

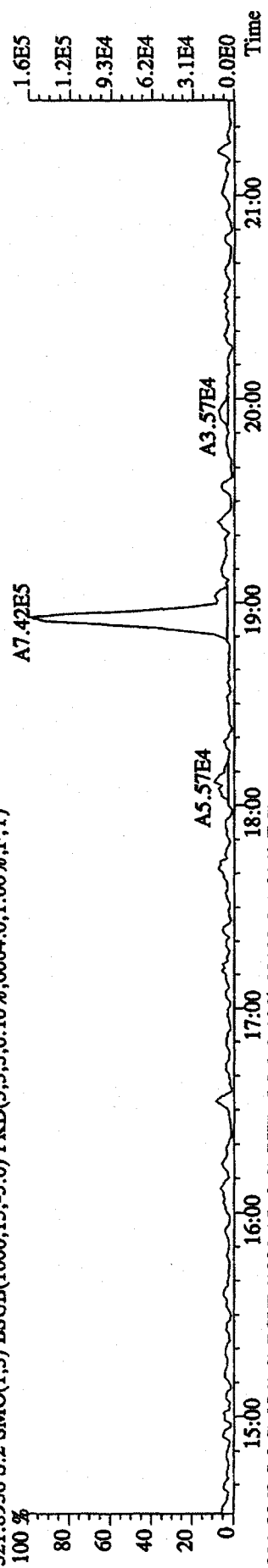




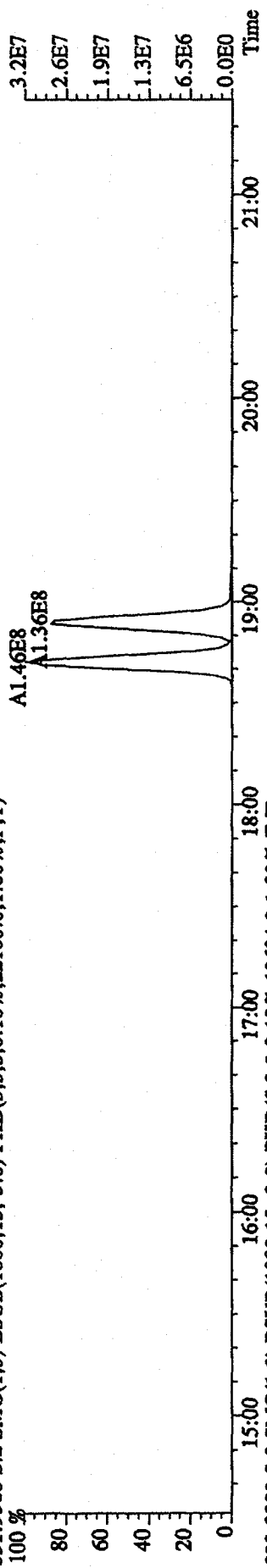
File: 3 IDE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text: ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3832,0,1.00%,F,T)



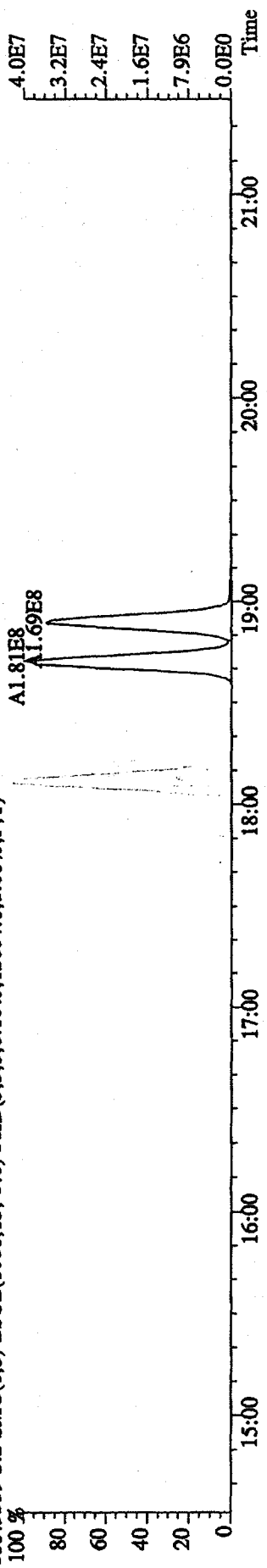
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6064,0,1.00%,F,T)



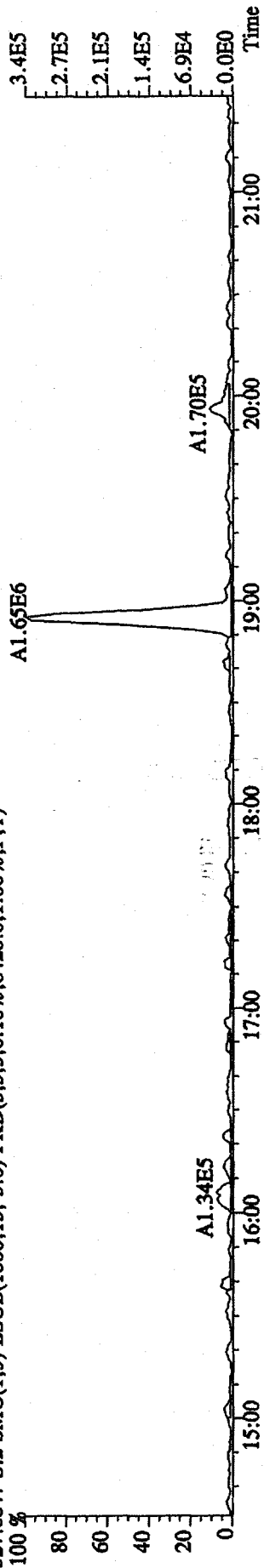
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,22100,0,1.00%,F,T)



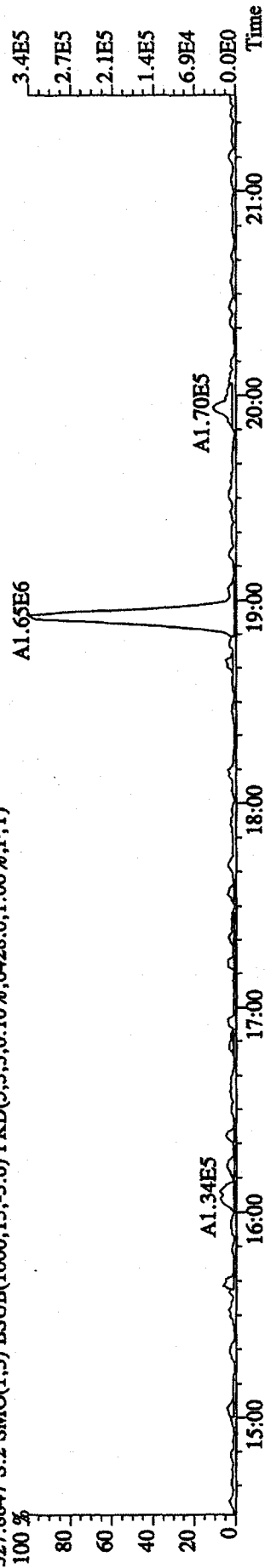
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12604,0,1.00%,F,T)



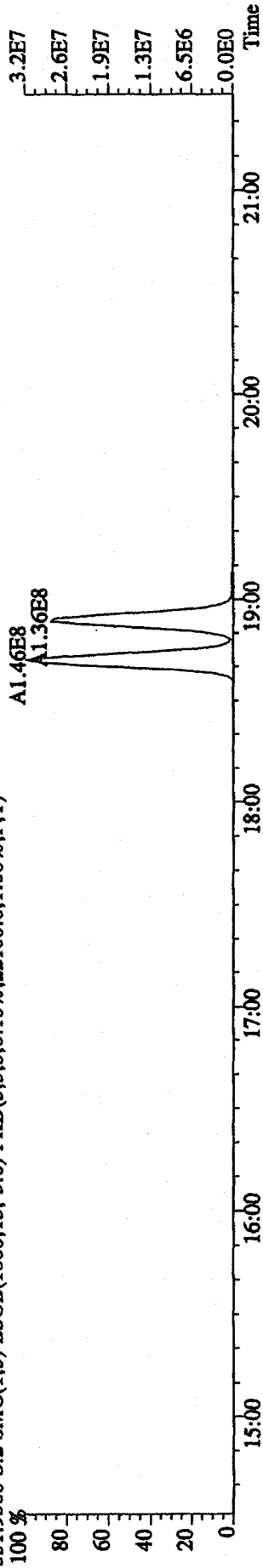
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6428,0.1,0.00%,F,T)



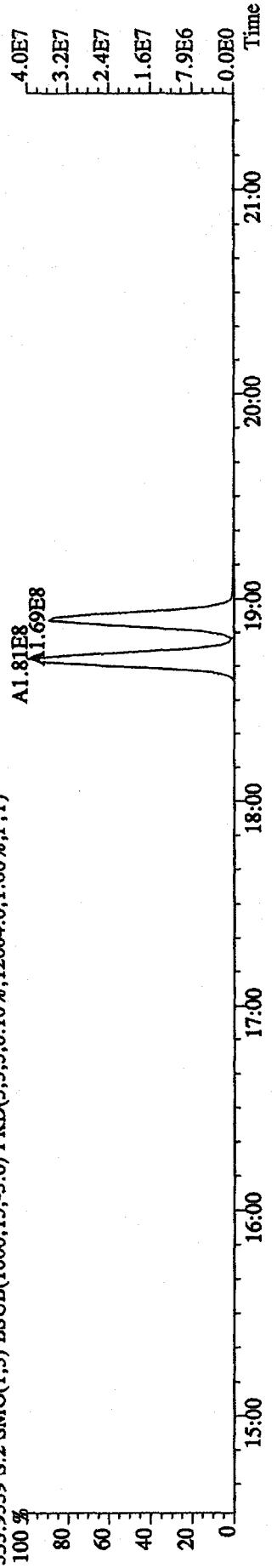
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6428,0.1,0.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,22100,0.1,0.00%,F,T)



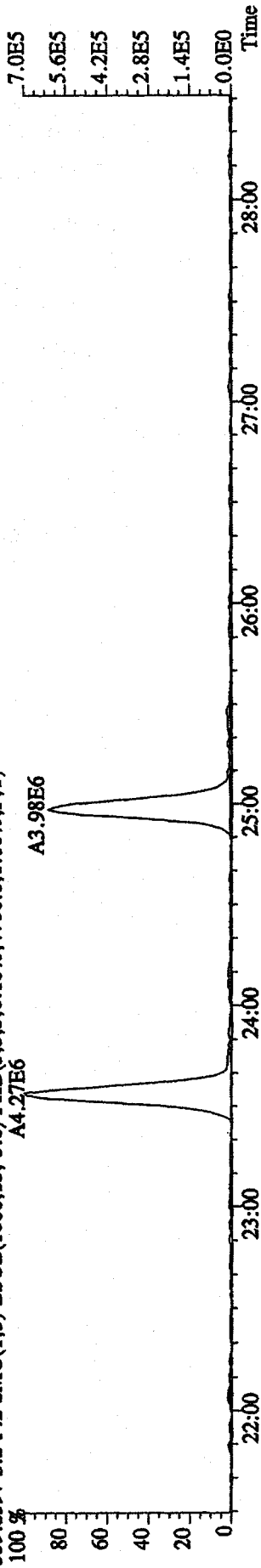
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12604,0.1,0.00%,F,T)



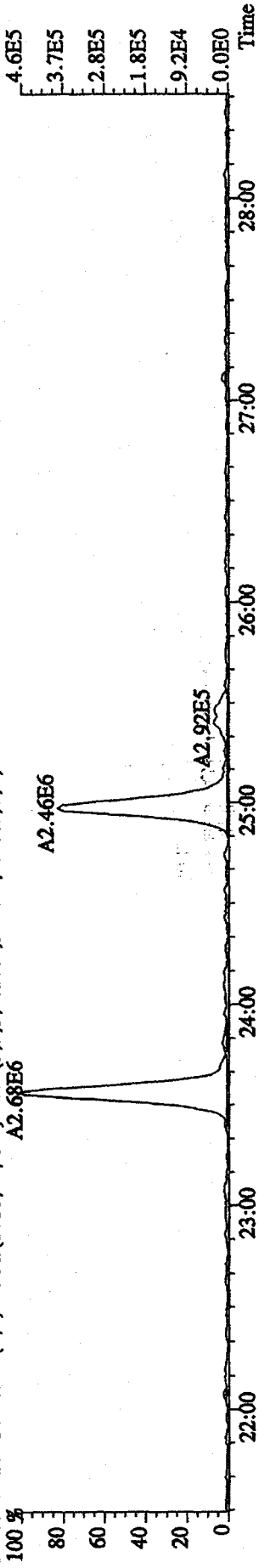
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

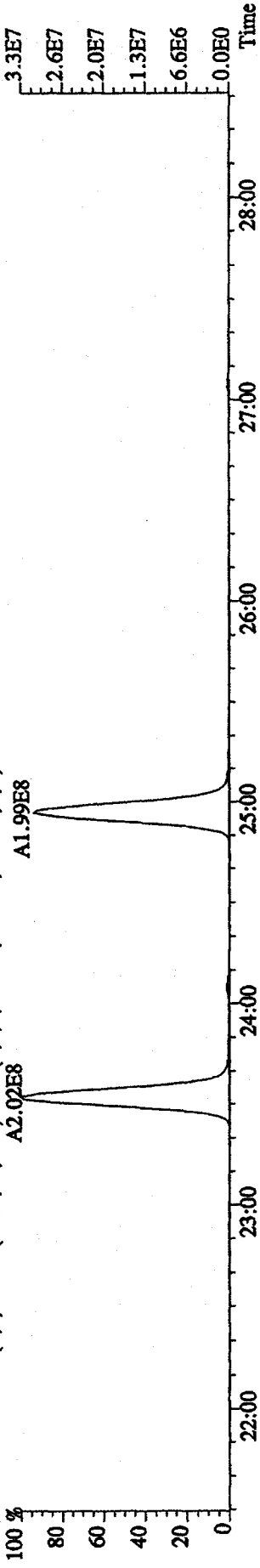
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)  
A4.27E6



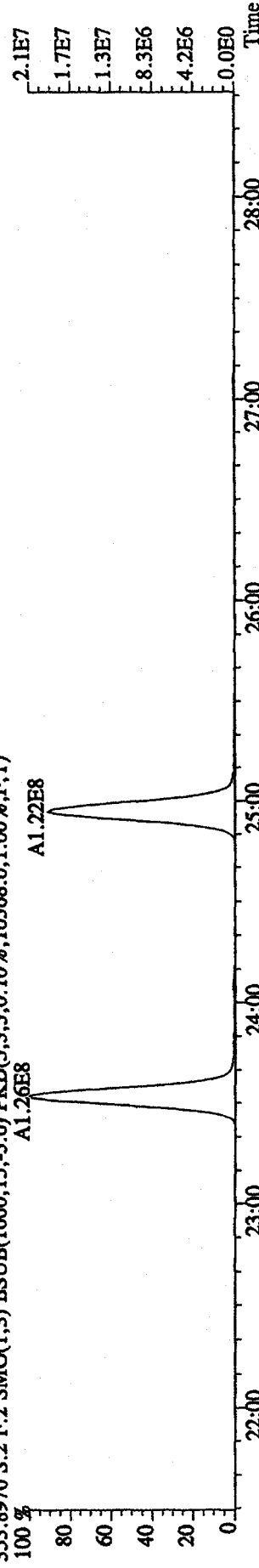
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)  
A2.68E6



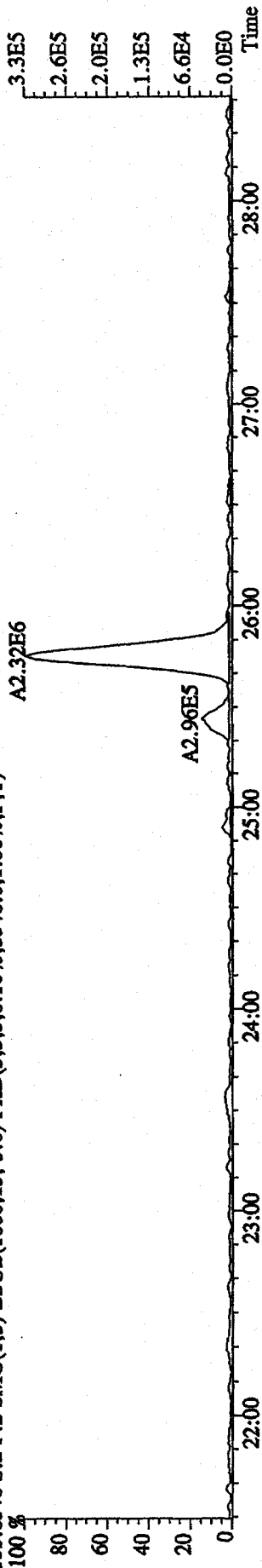
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9020.0,1.00%,F,T)  
A2.02E8



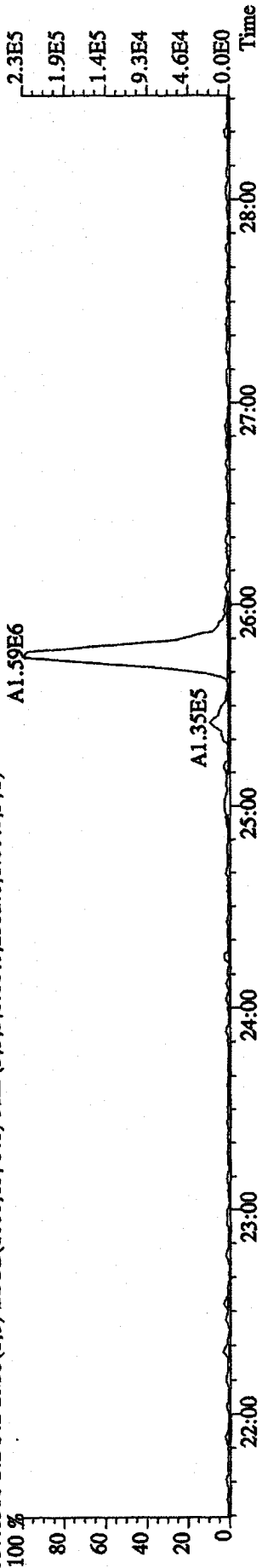
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10368.0,1.00%,F,T)  
A1.26E8



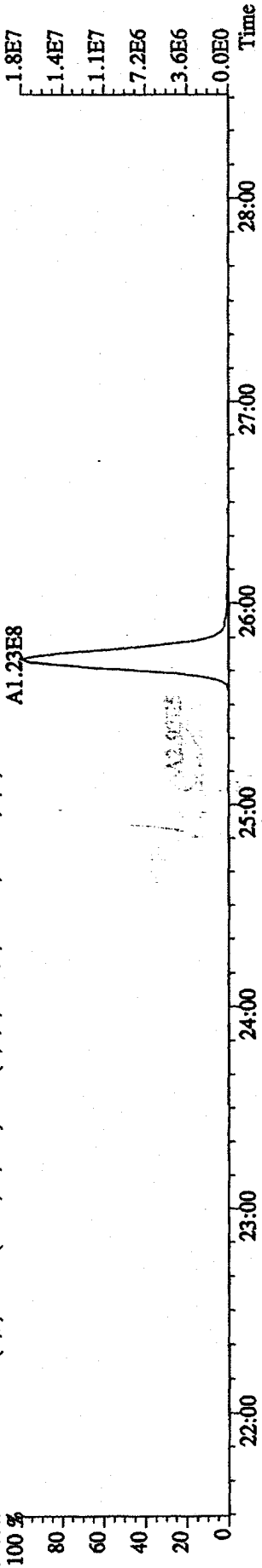
File: 31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text: ST1231B :CS-1 09DXN422 Exp: DIOXIN  
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5340.0,1.00%,F,T)



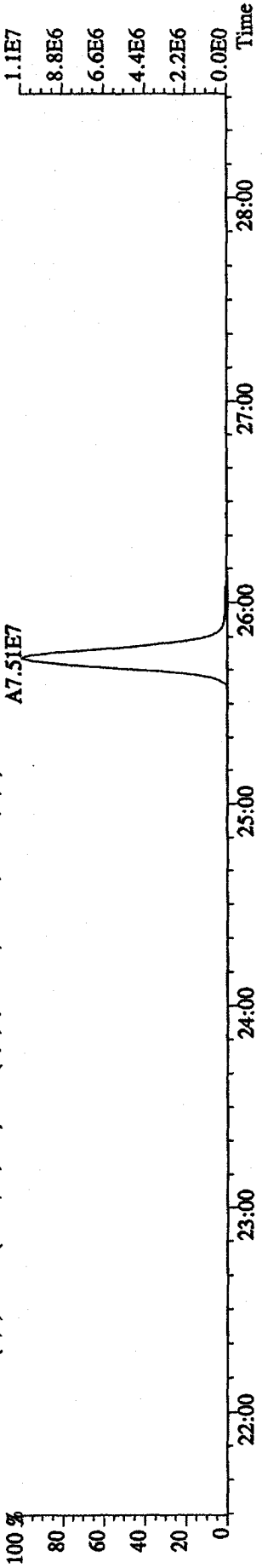
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8944.0,1.00%,F,T)



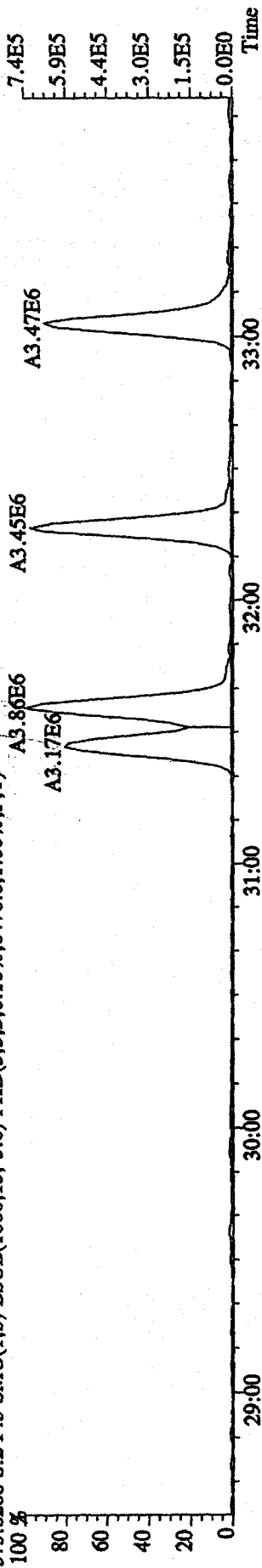
369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3136.0,1.00%,F,T)



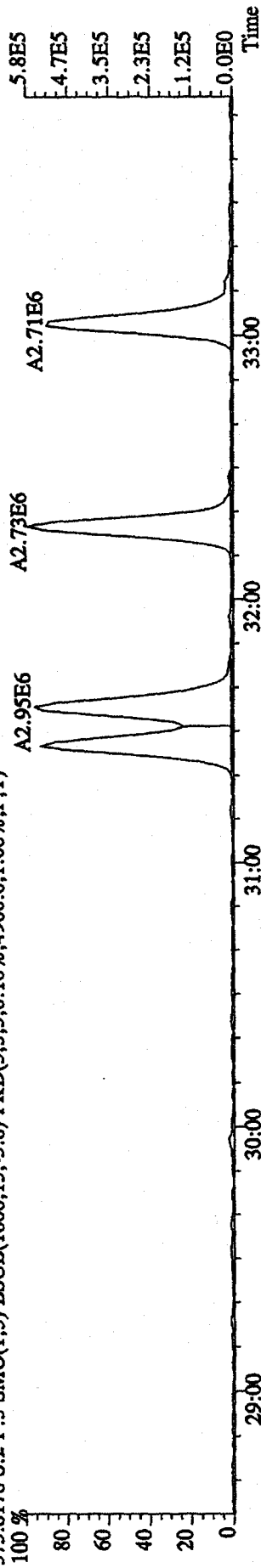
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

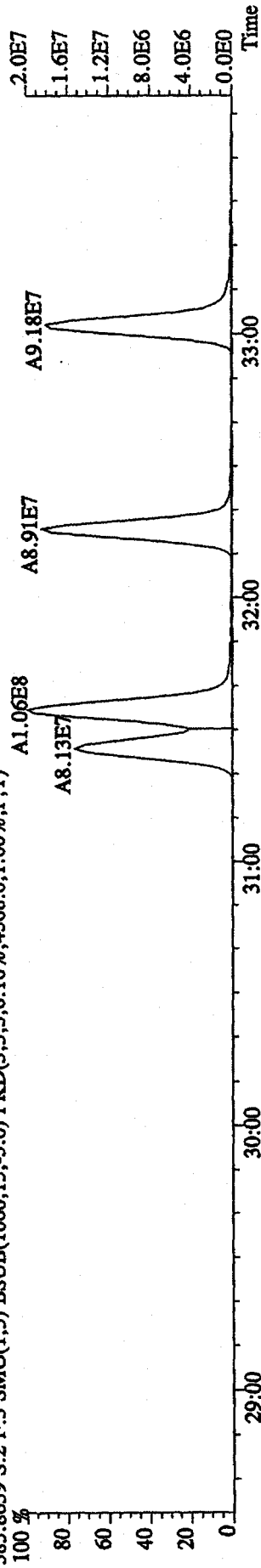
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6476.0,1.00%,F,T)



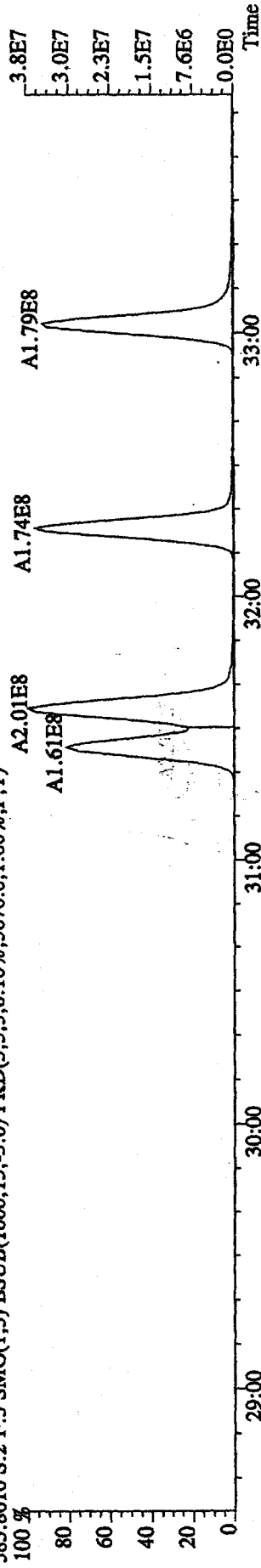
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)



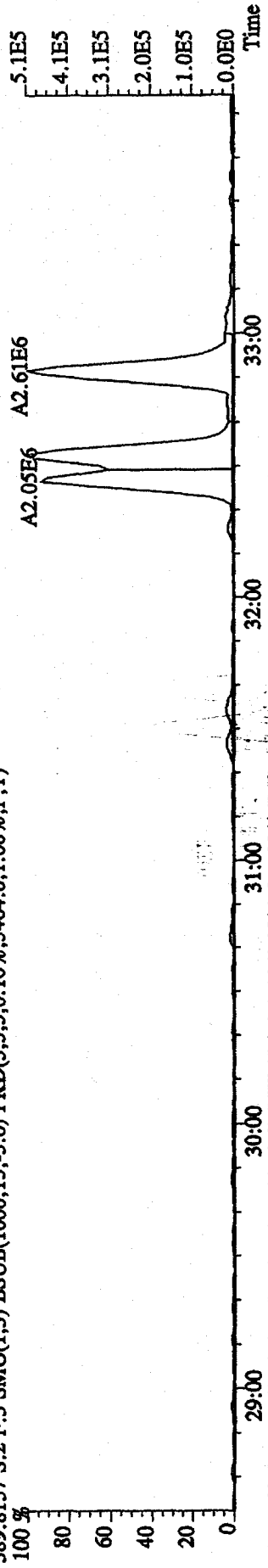
383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568.0,1.00%,F,T)



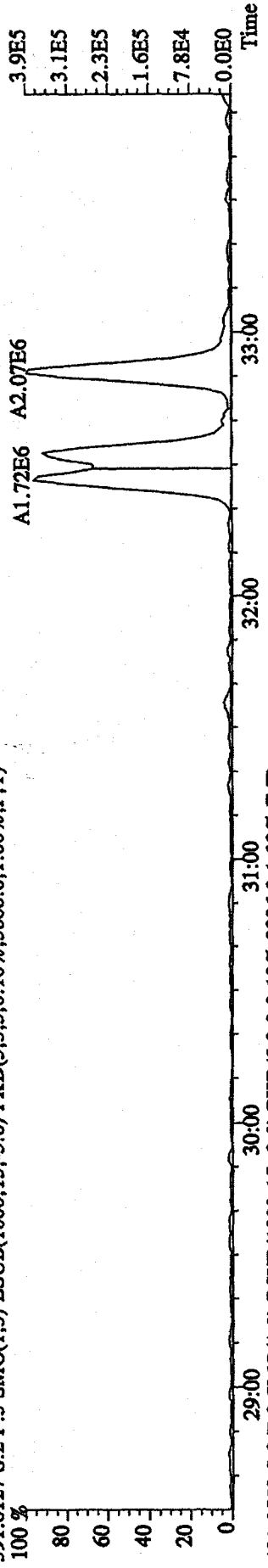
385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)



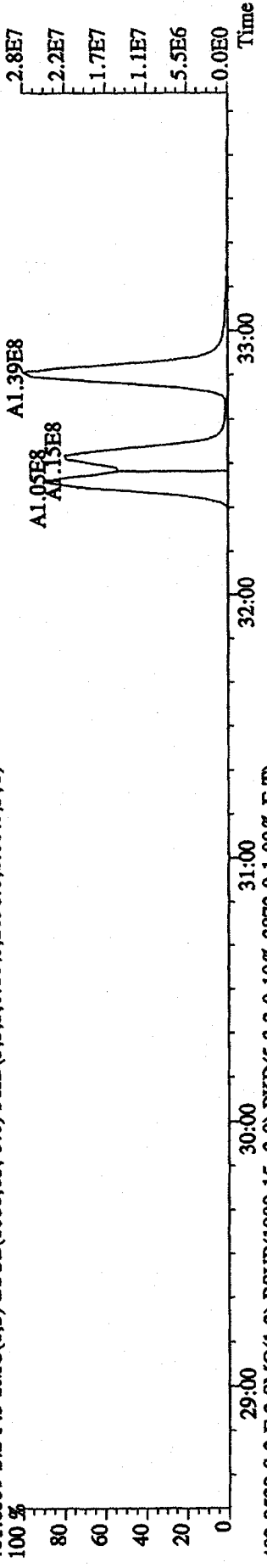
File: 31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text: ST1231B :CS-1 09DXN422 Exp: DIOXIN  
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3464.0,1.00%,F,T)



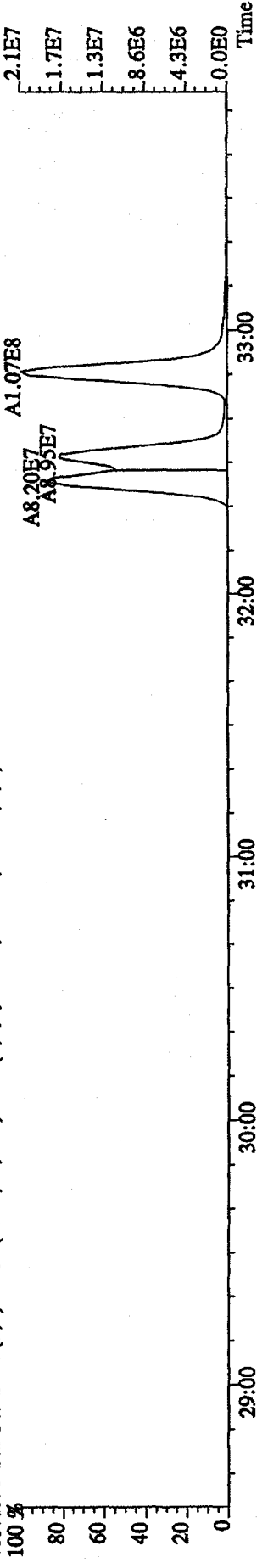
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3888.0,1.00%,F,T)



401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)



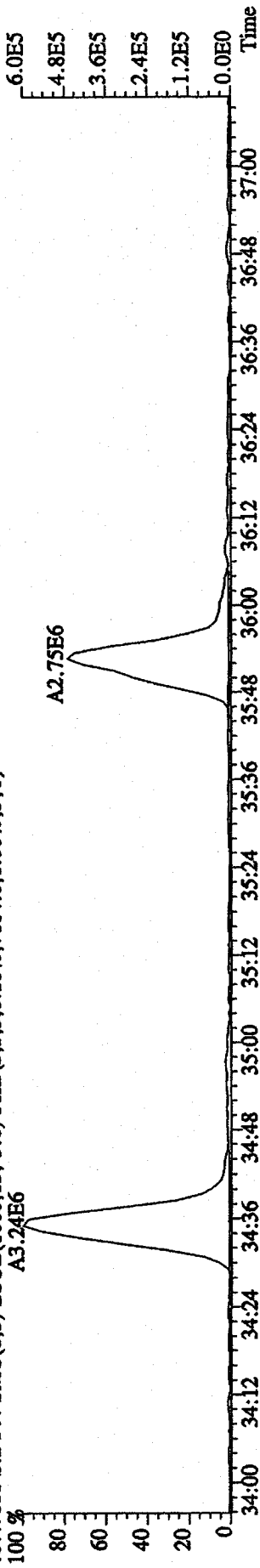
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3872.0,1.00%,F,T)



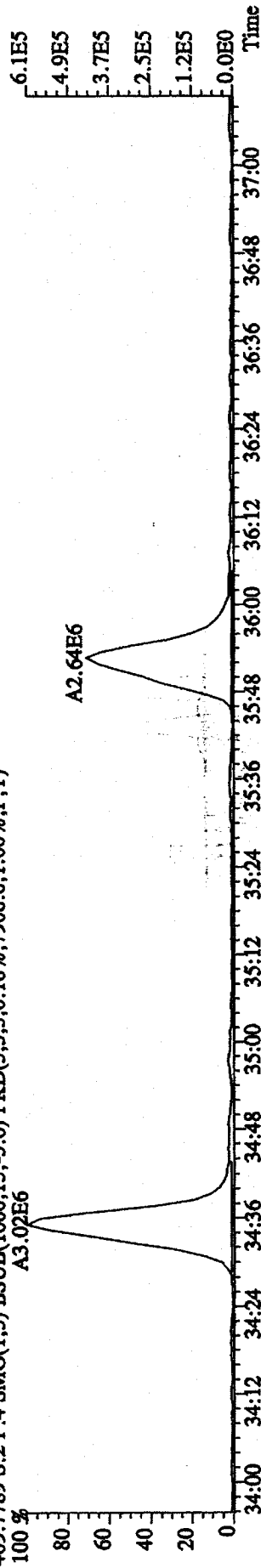
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

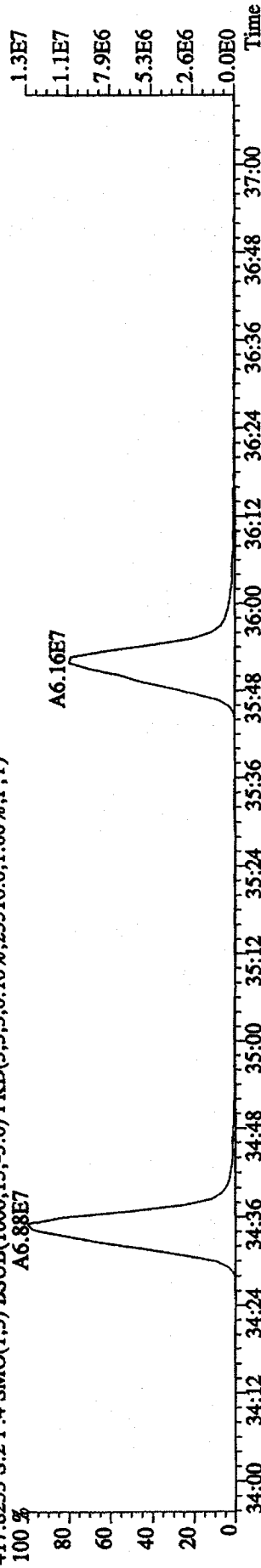
407.7818 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7184.0,1.00%,F,T)



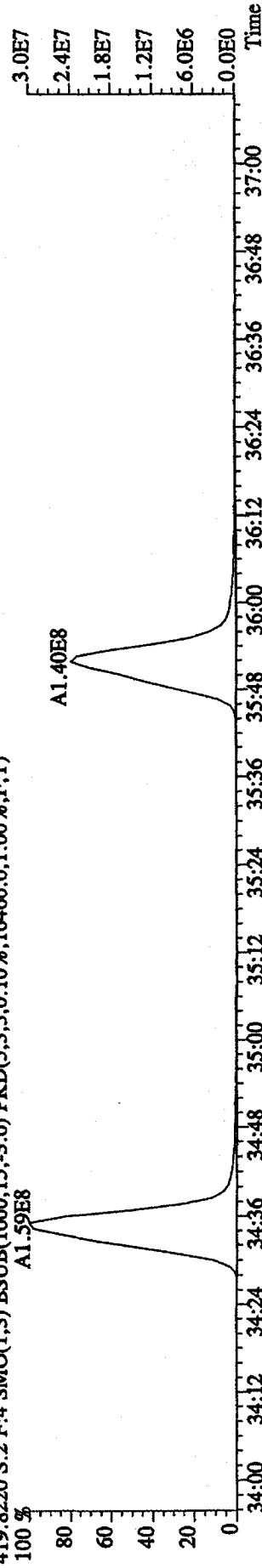
409.7789 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7908.0,1.00%,F,T)



417.8253 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,23516.0,1.00%,F,T)



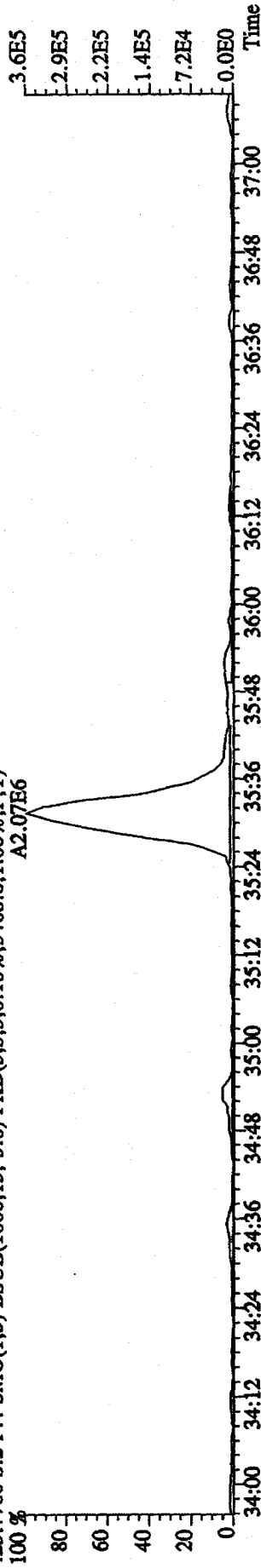
419.8220 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,16460.0,1.00%,F,T)



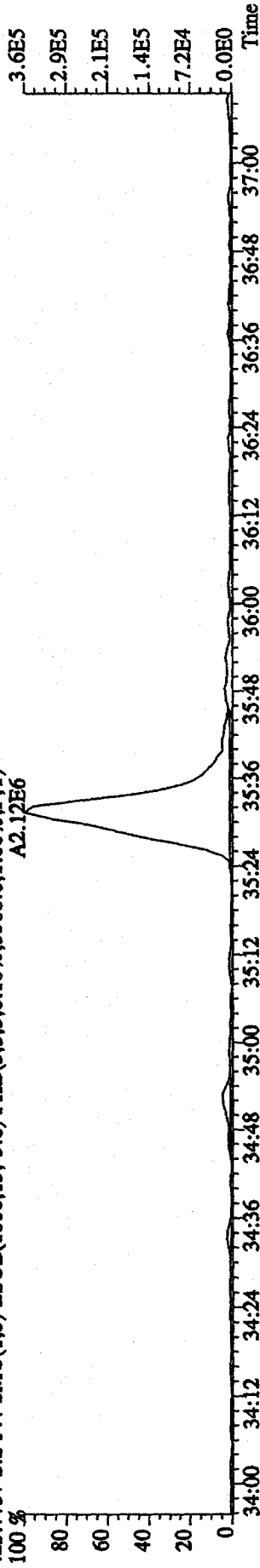
File:31DE09AID5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

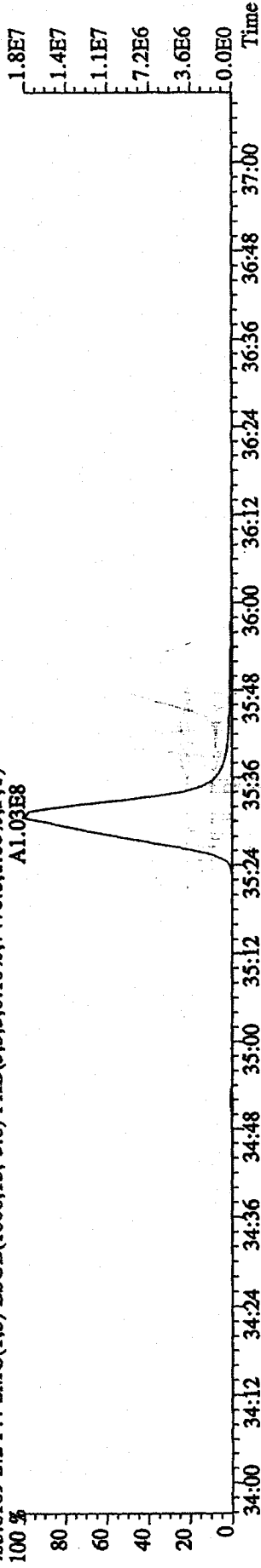
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)  
A2.07E6



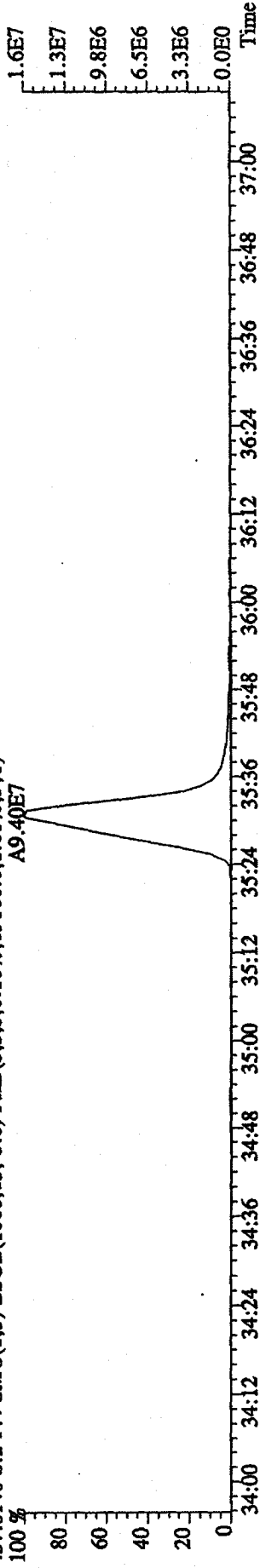
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3508.0,1.00%,F,T)  
A2.12E6



435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7476.0,1.00%,F,T)  
A1.03E8

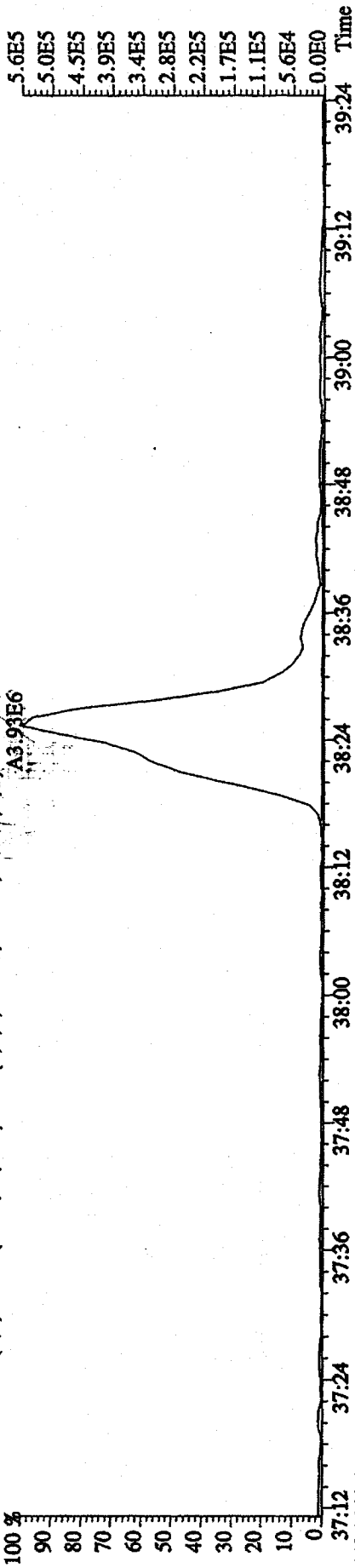


437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,19160.0,1.00%,F,T)  
A9.40E7

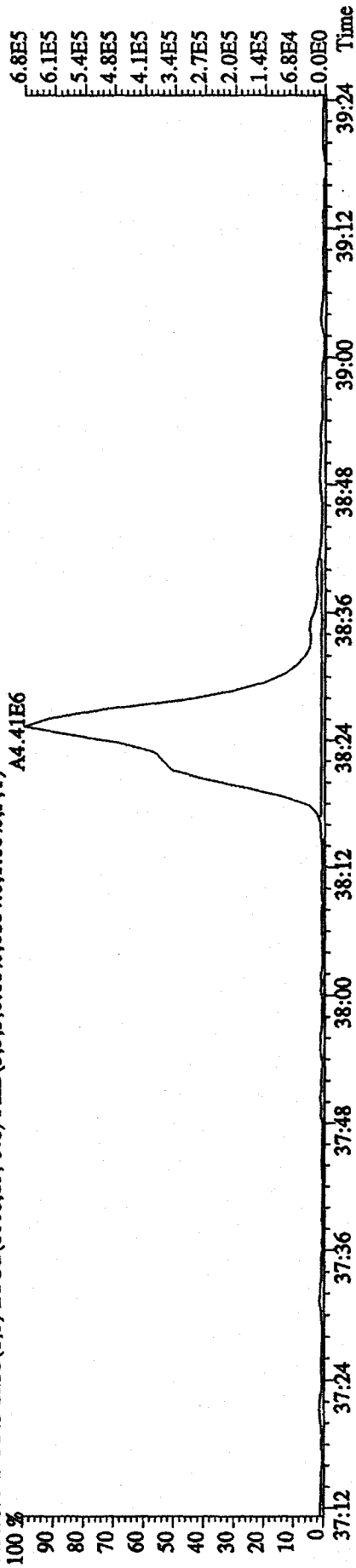




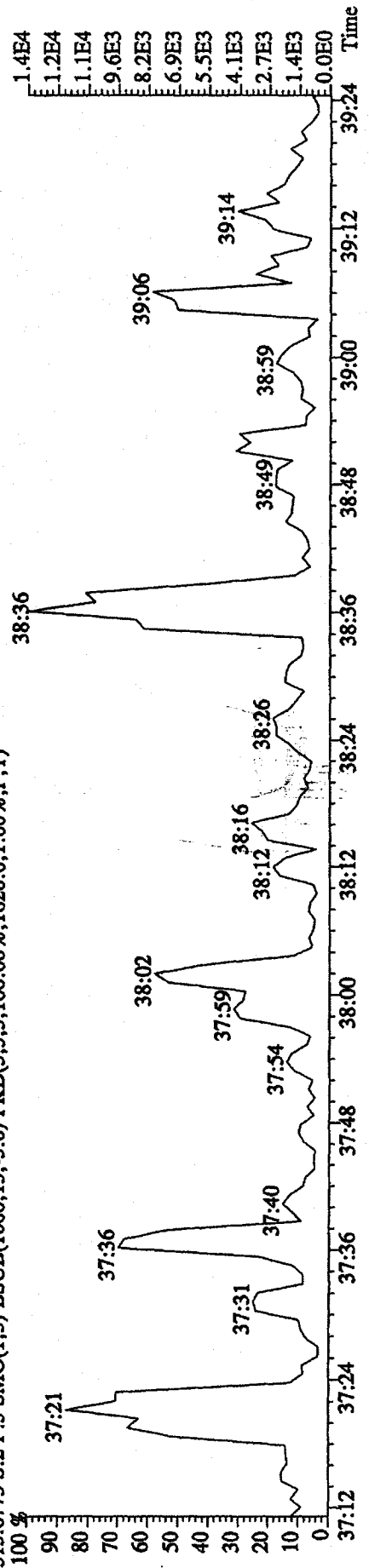
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN 38.1  
 441.7428 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T) 38.26  
 A3.93E6



443.7399 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6804.0,1.00%,F,T) A4.41E6



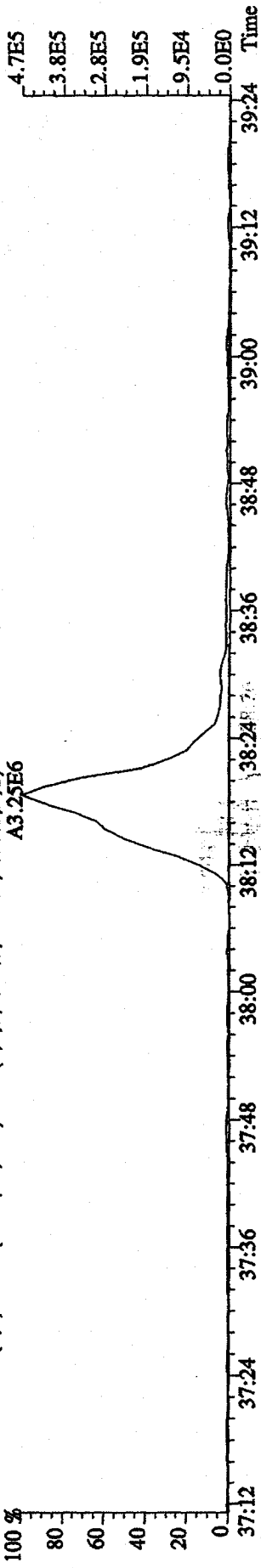
513.6775 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1620.0,1.00%,F,T)



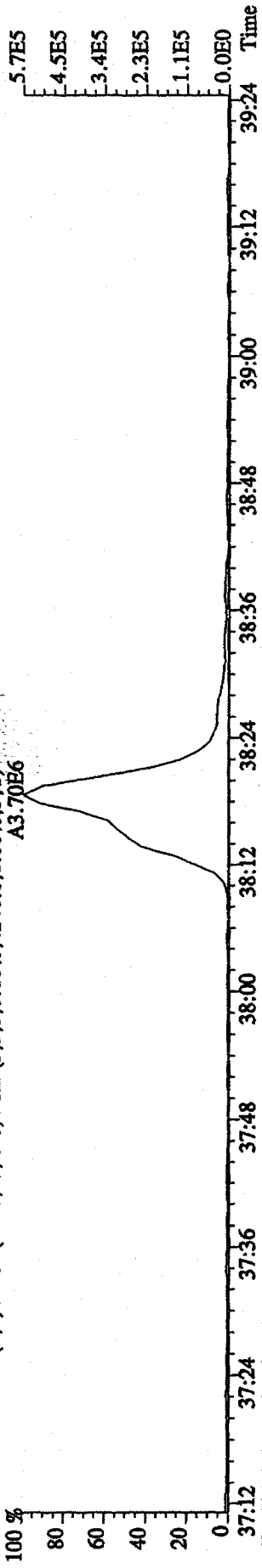
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

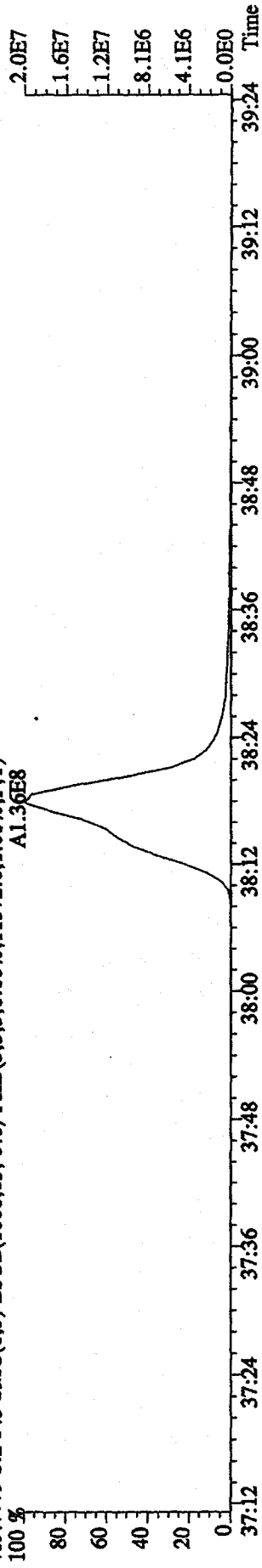
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2760,0,1,00%,F,T)  
A3.25E6



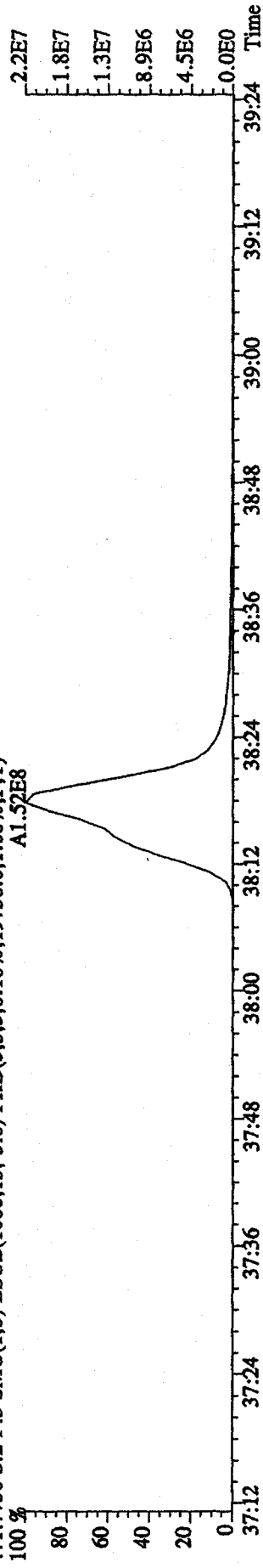
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4240,0,1,00%,F,T)  
A3.70E6



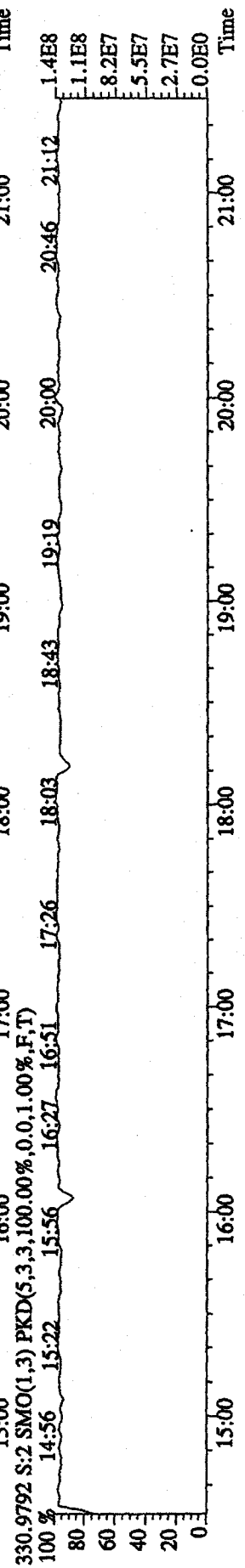
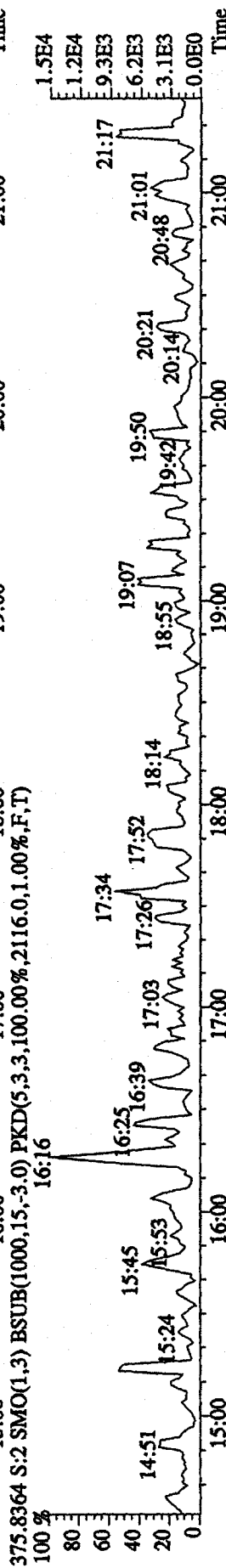
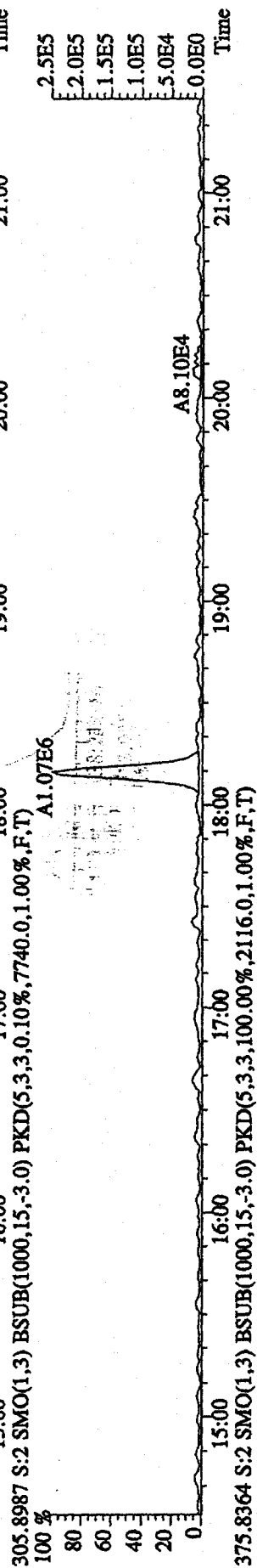
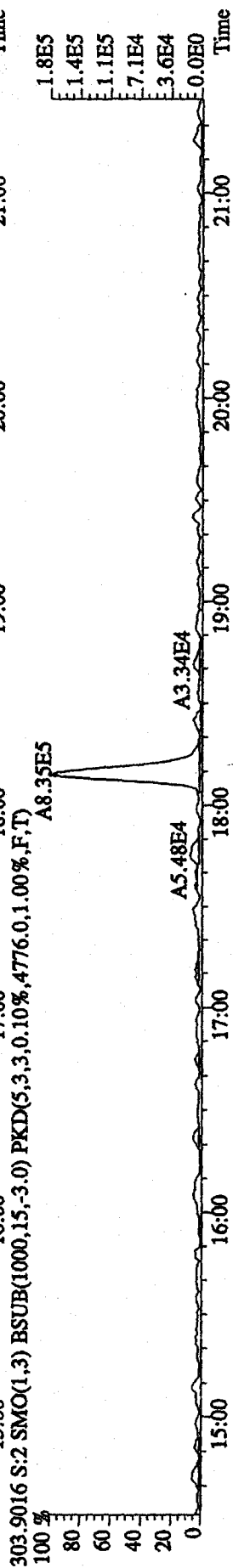
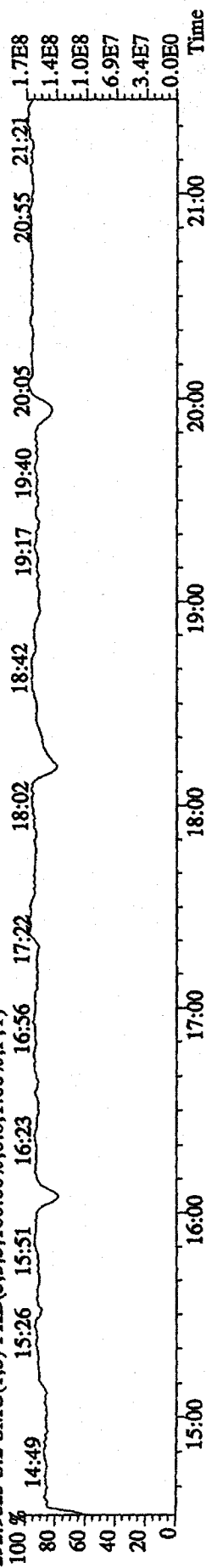
469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11372,0,1,00%,F,T)  
A1.36E8



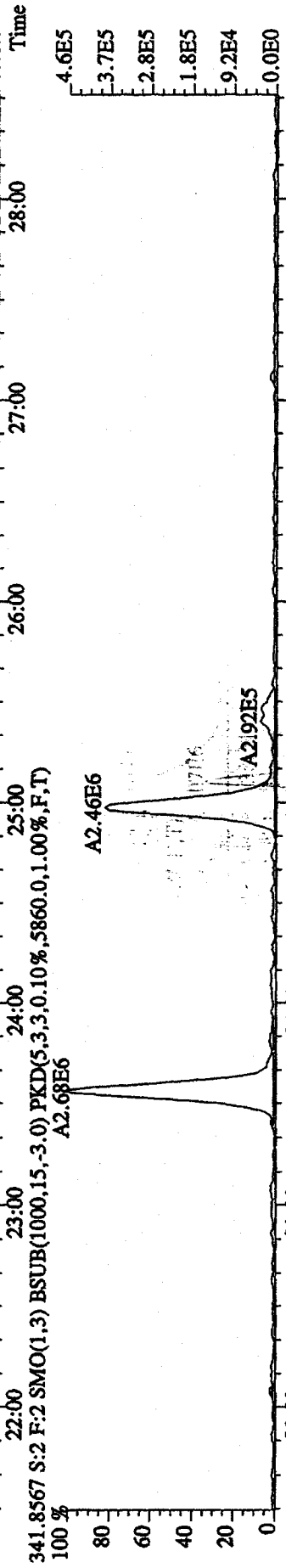
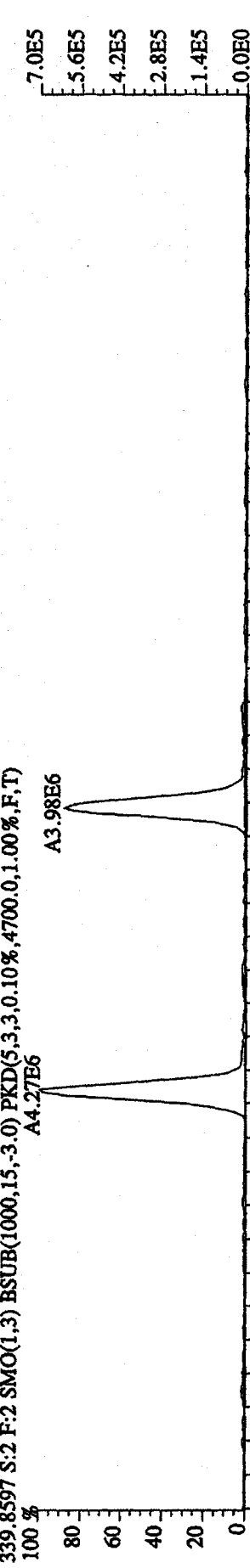
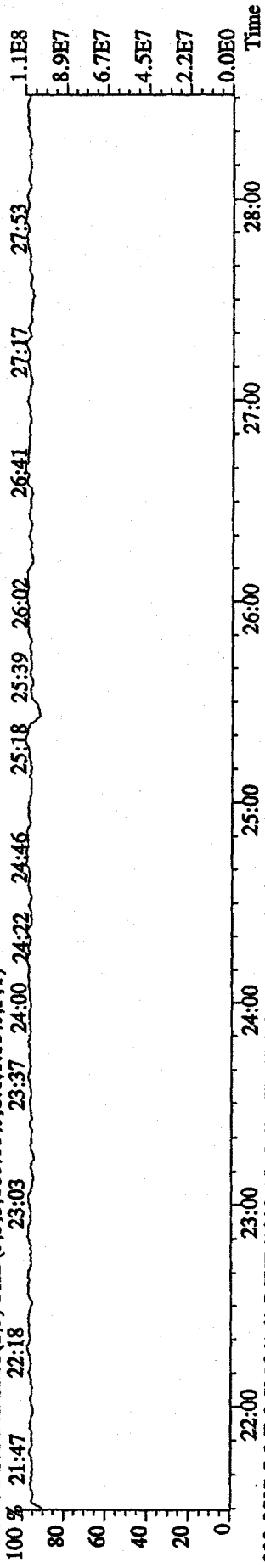
471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,19756,0,1,00%,F,T)  
A1.52E8



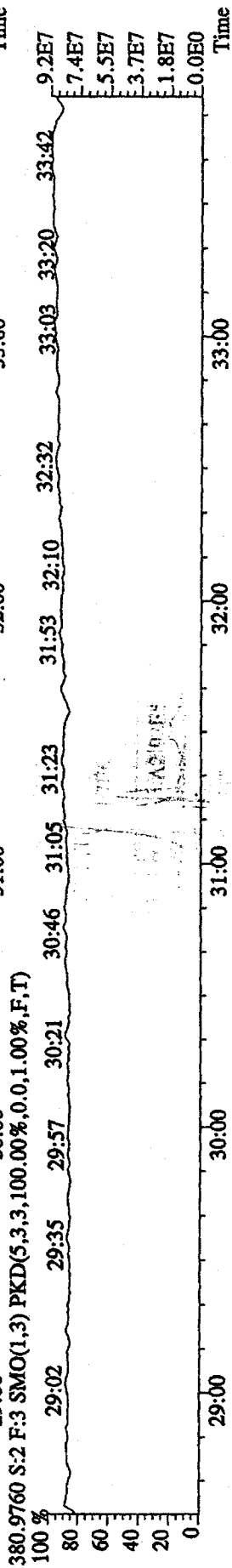
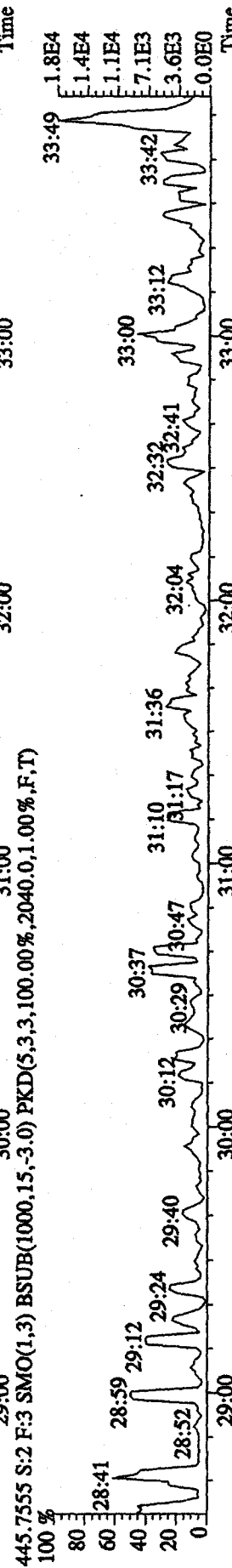
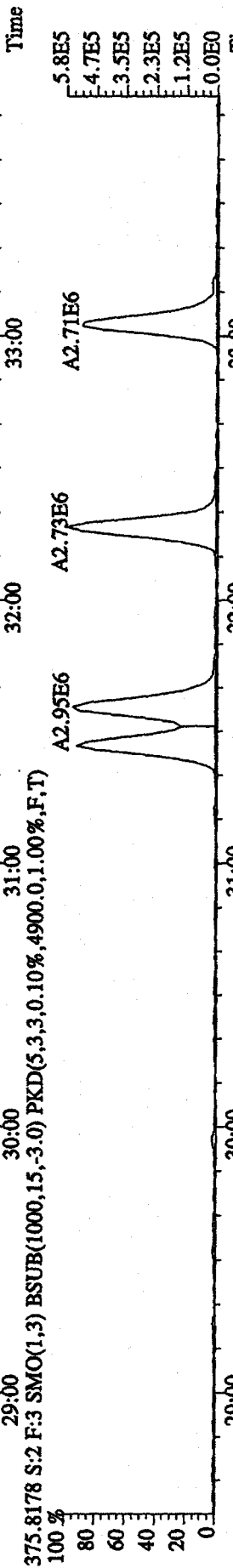
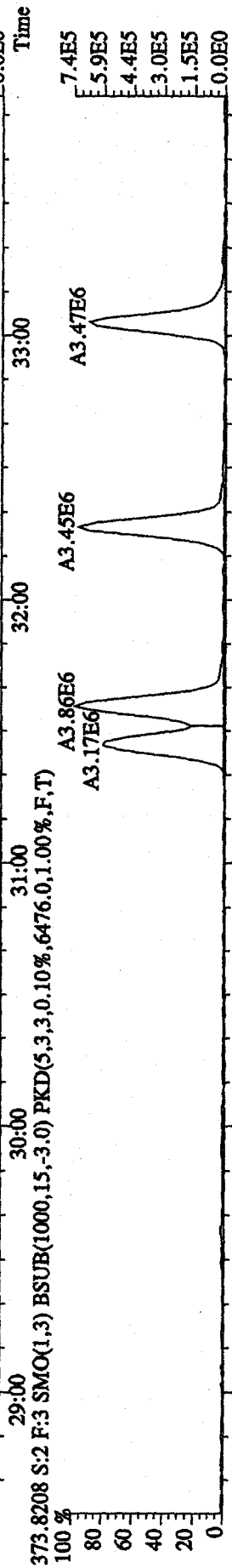
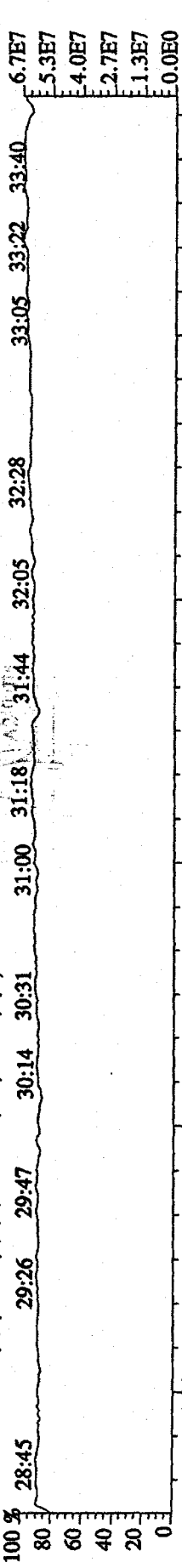
File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text: ST1231B :CS-1 09DXN422 Exp: DIOXIN  
 292.9825 S:2 SMO(1.3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)  
 100 % 15:26 15:51 16:23 16:56 17:22 18:02 18:42 19:17 19:40 20:05 20:55 21:21



File:3IDE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,0.100,0.0,0.1.00%,F,T)  
 100 % 21:47 22:18 23:03 23:37 24:00 24:22 24:46 25:18 25:39 26:02 26:41 27:17 27:53



File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE  
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN  
 392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

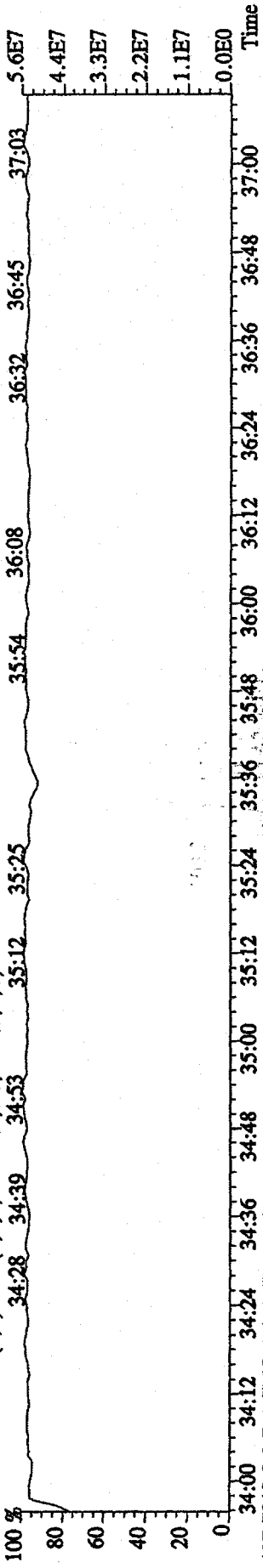


File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

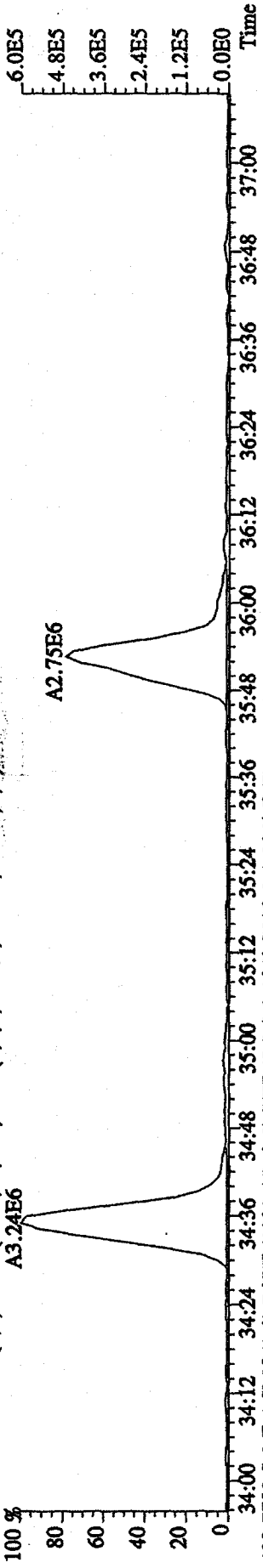
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

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

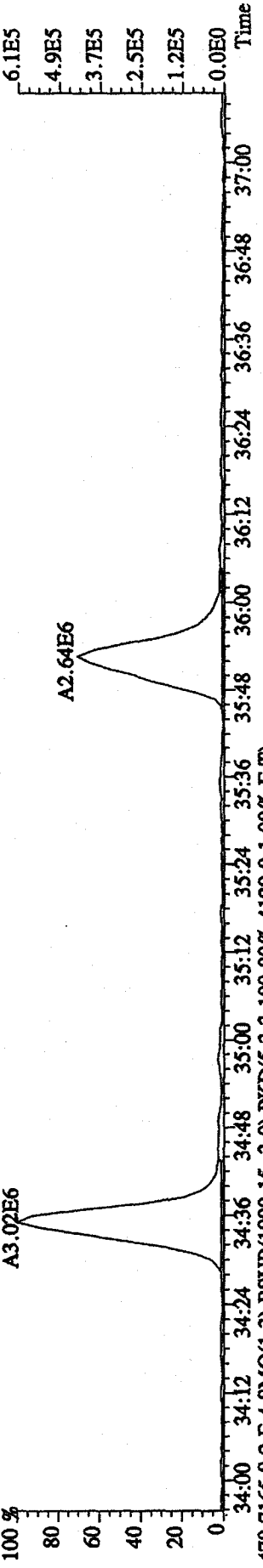
100 % 34:28 34:39 34:53 35:12 35:25 35:54 36:08 36:32 36:45 37:03 5.6E7 4.4E7 3.3E7 2.2E7 1.1E7 0.0E0 Time



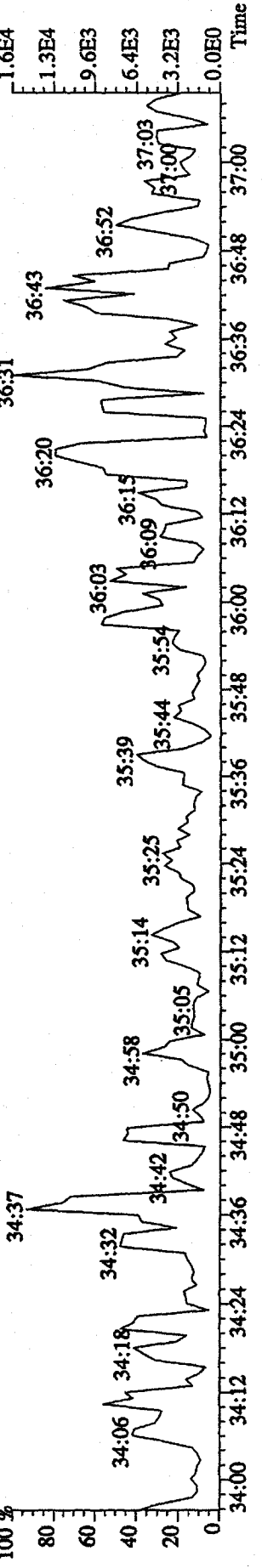
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7184.0,1.00%,F,T)



409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7908.0,1.00%,F,T)



479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4120.0,1.00%,F,T)

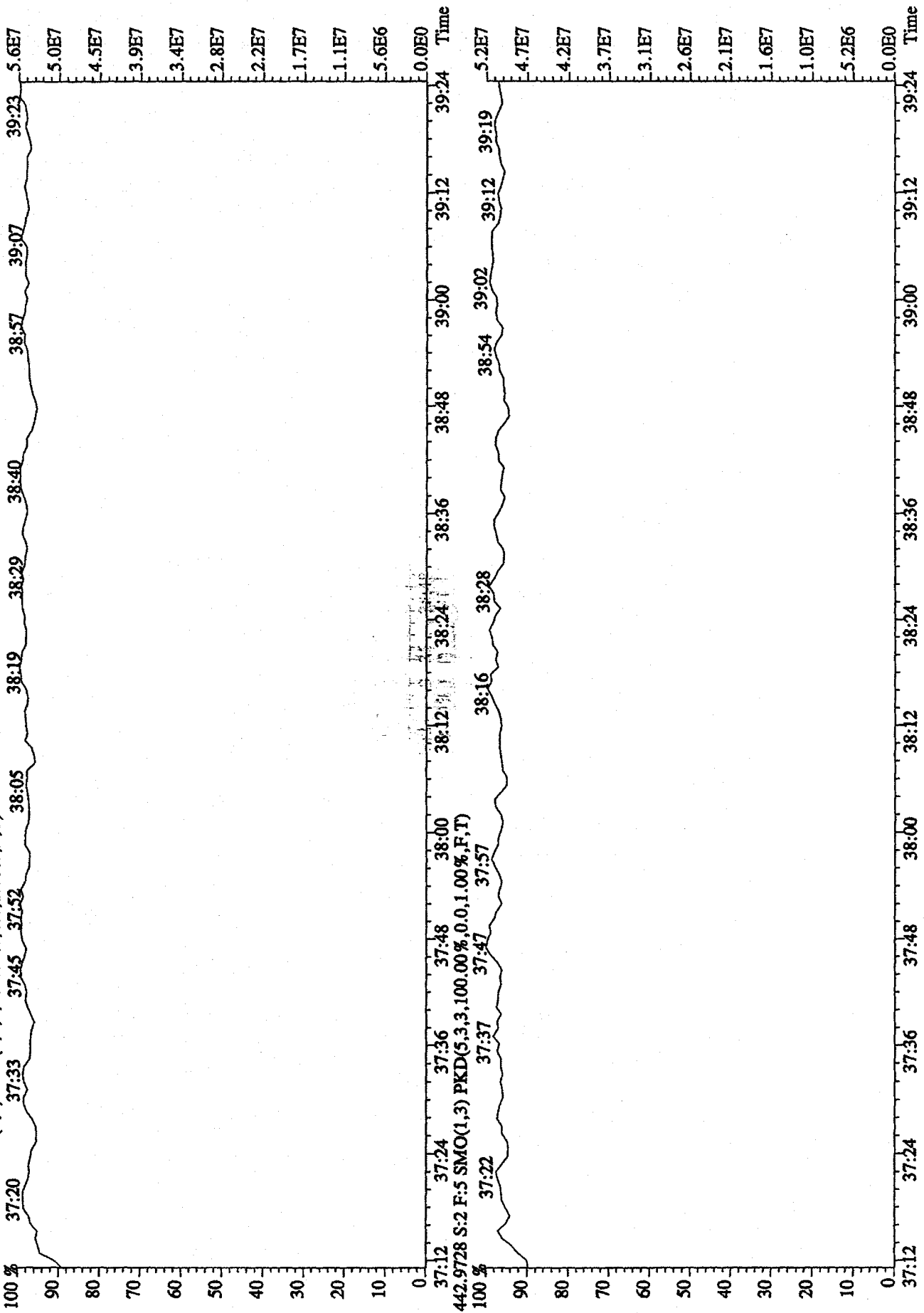


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 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



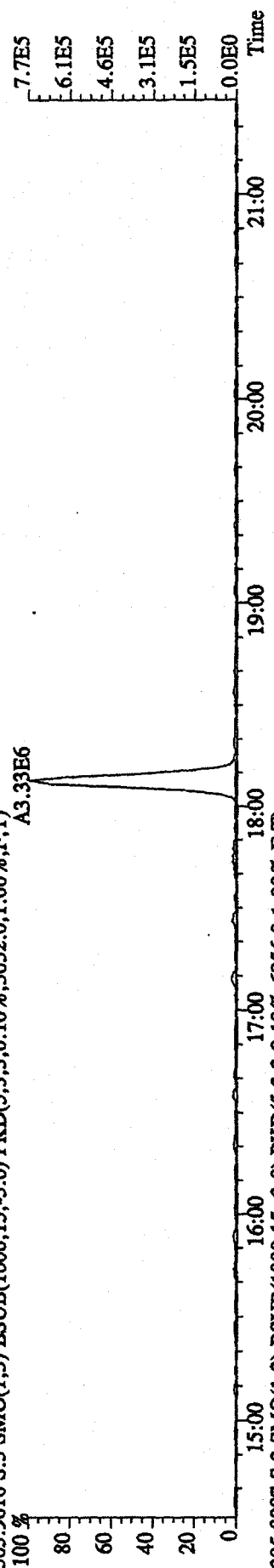
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 38:54 38:57 39:00 39:12 39:19 39:24 5.2E7  
4.7E7  
4.2E7  
3.7E7  
3.1E7  
2.6E7  
2.1E7  
1.6E7  
1.0E7  
5.2E6  
0.0E0

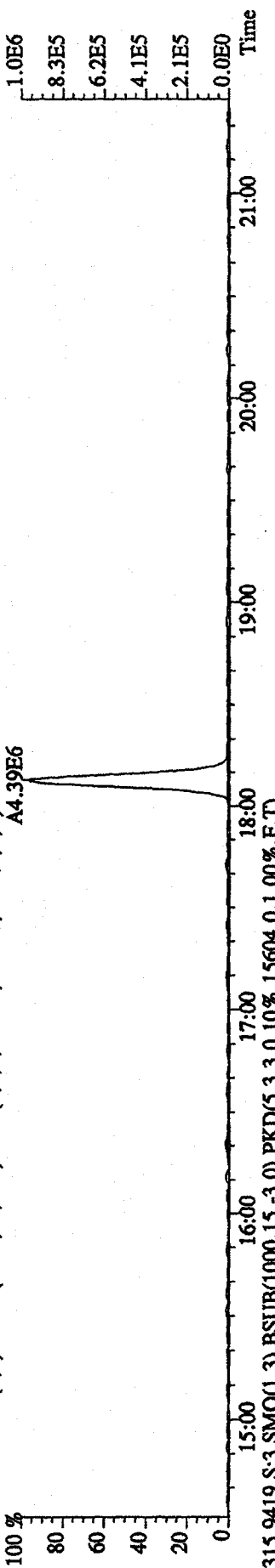
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

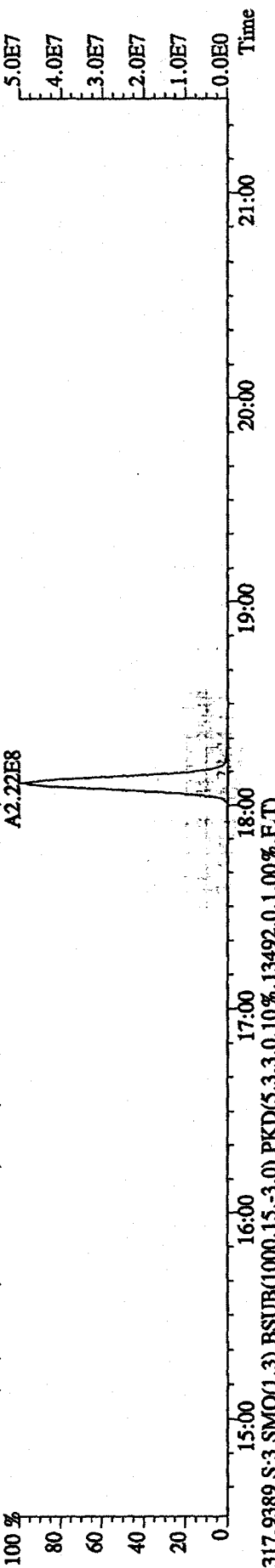
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5052.0,1.00%,F,T)



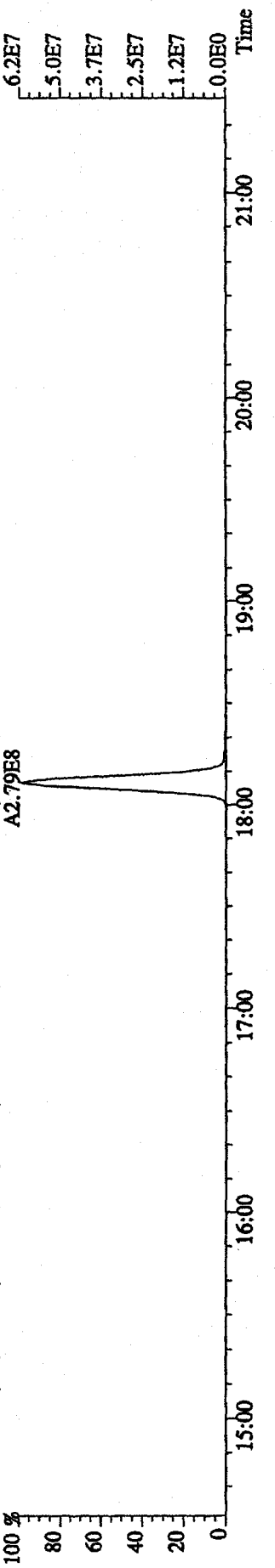
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6856.0,1.00%,F,T)



315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15604.0,1.00%,F,T)

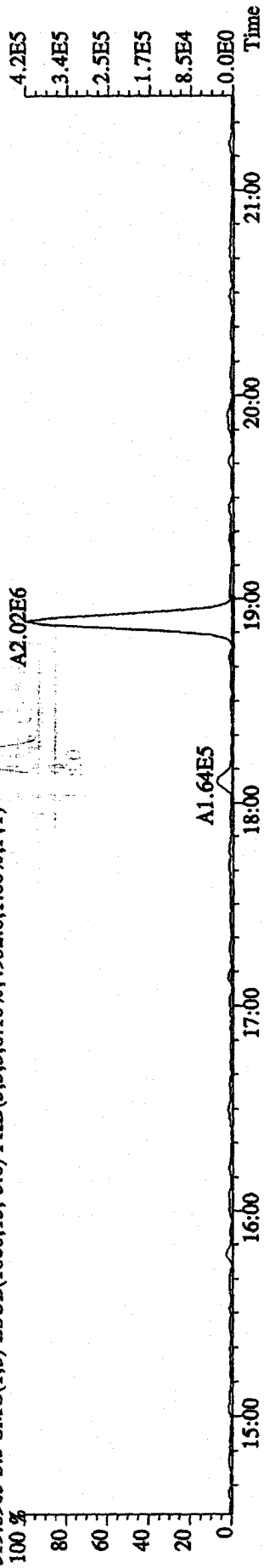


317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13492.0,1.00%,F,T)

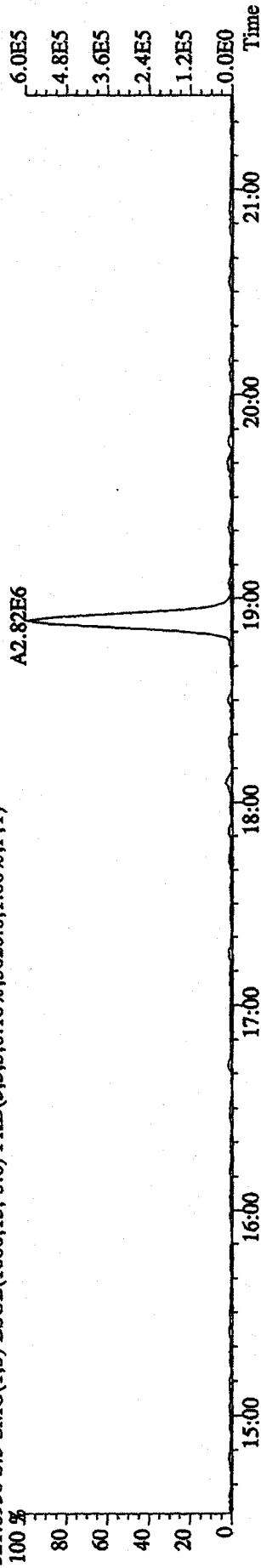




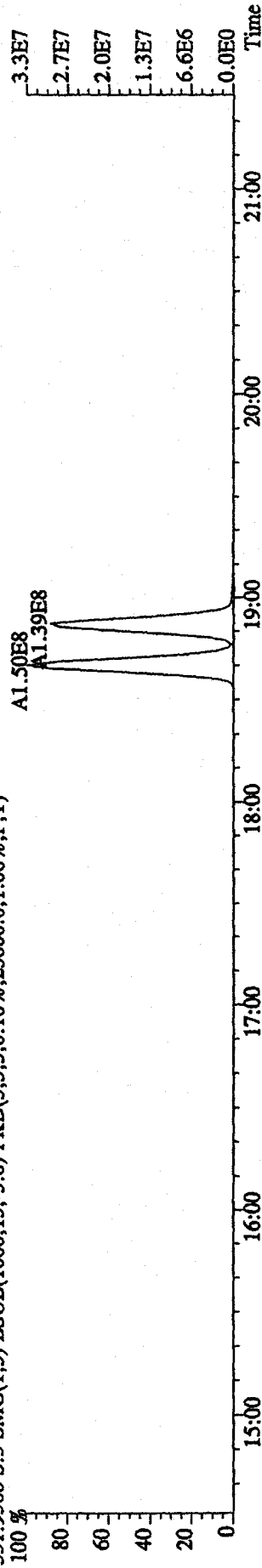
File:31DE09AID5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)



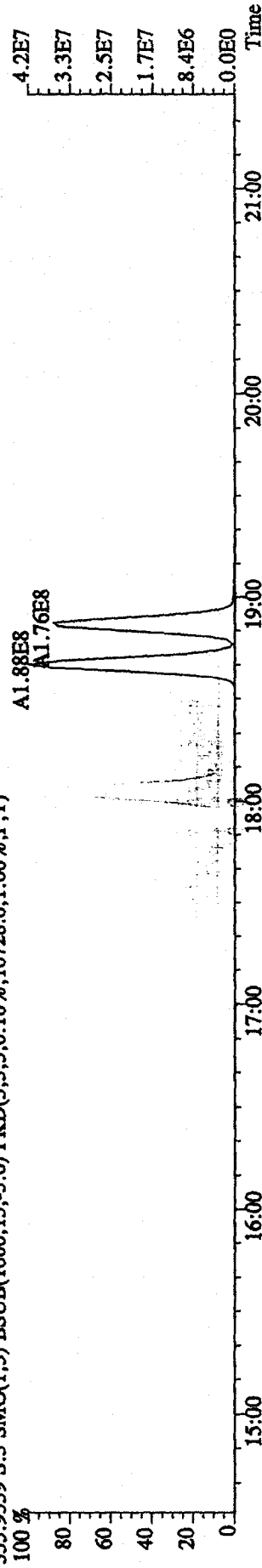
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5020.0,1.00%,F,T)



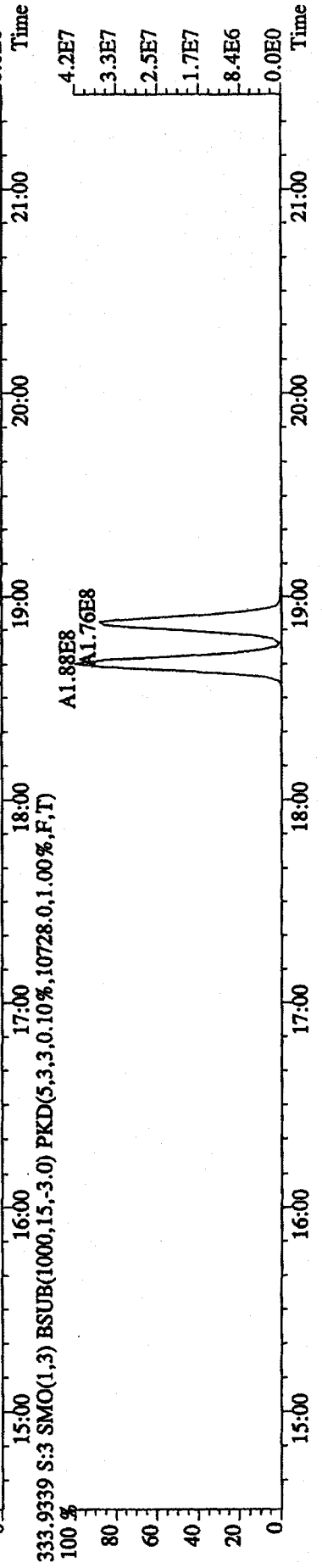
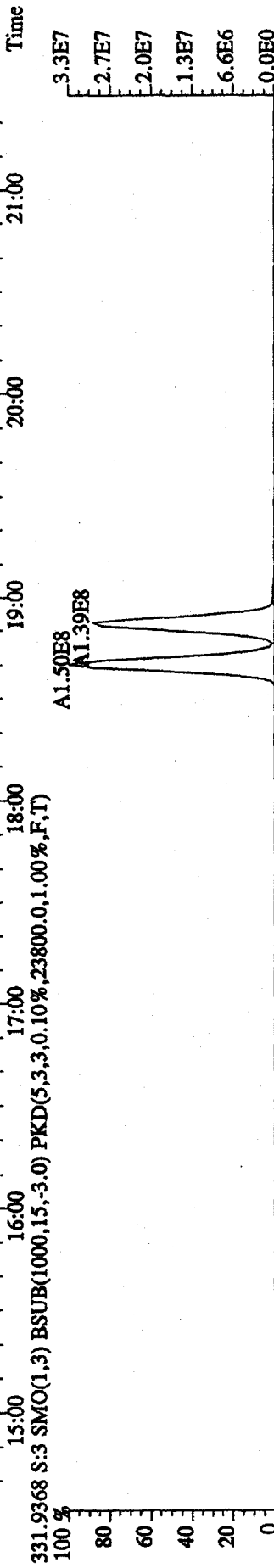
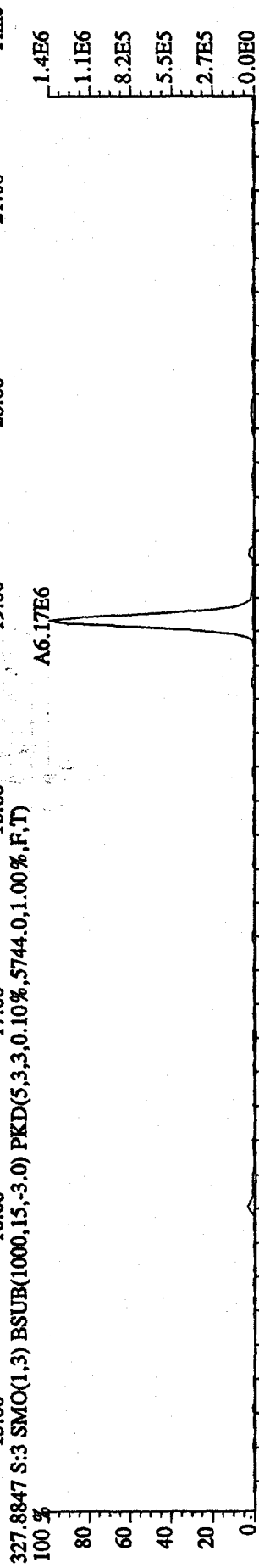
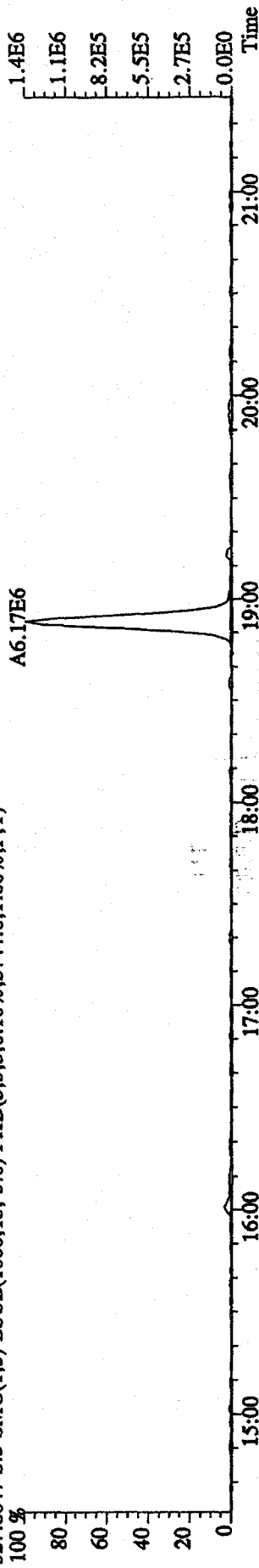
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23800.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10728.0,1.00%,F,T)

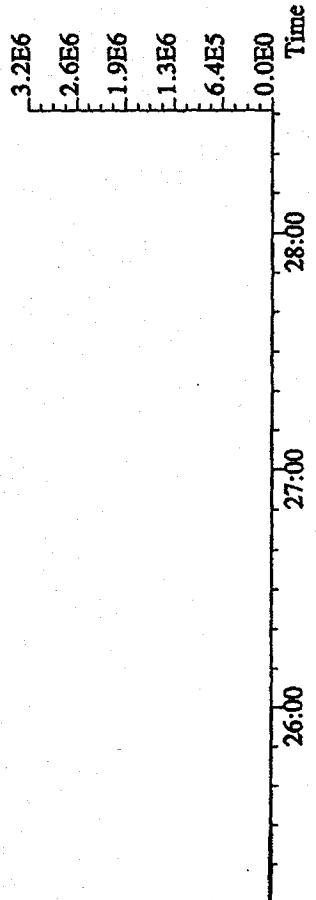


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)

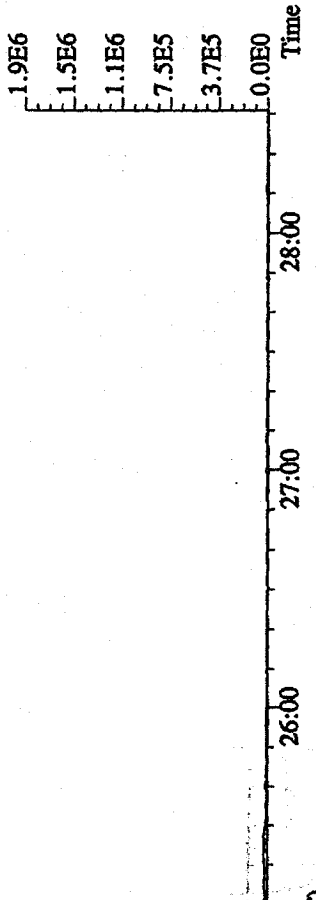


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

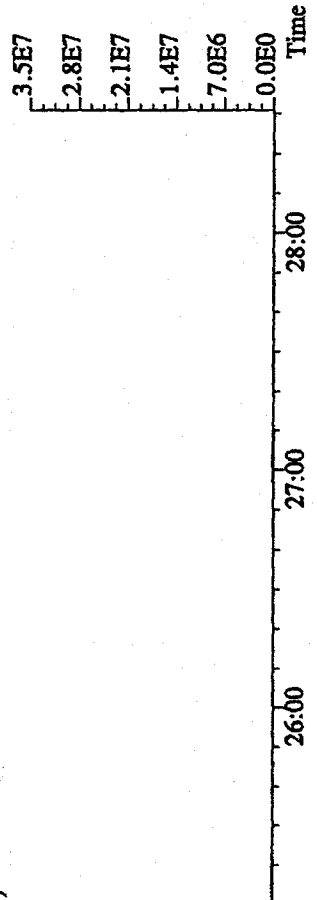
339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5496.0,1.00%,F,T)  
100 %



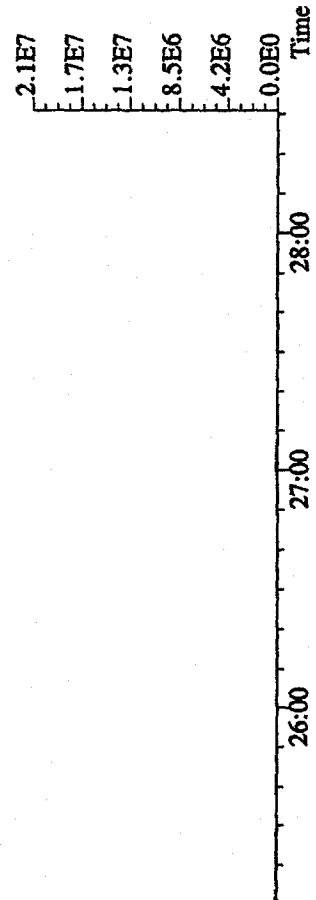
341.8567 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6964.0,1.00%,F,T)  
100 %



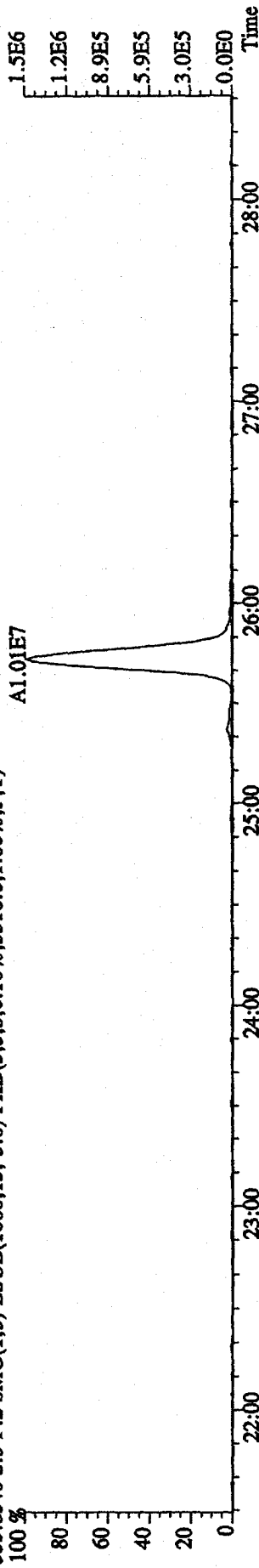
351.9000 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,13396.0,1.00%,F,T)  
100 %



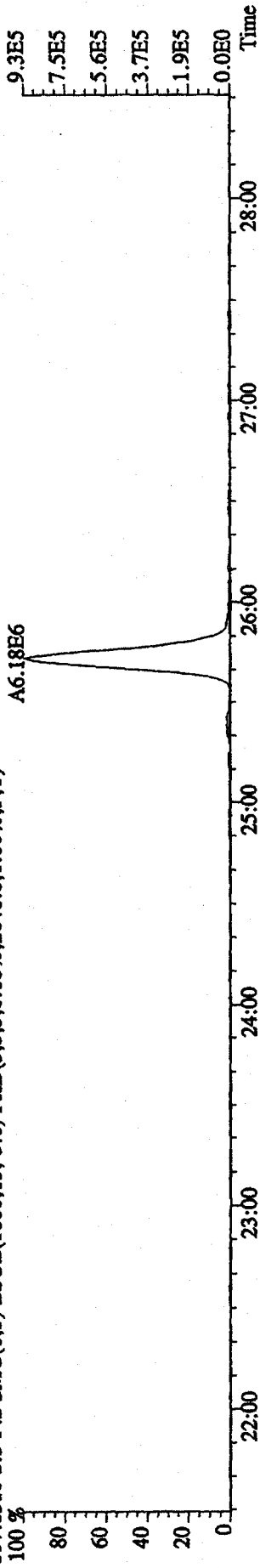
353.8970 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9140.0,1.00%,F,T)  
100 %



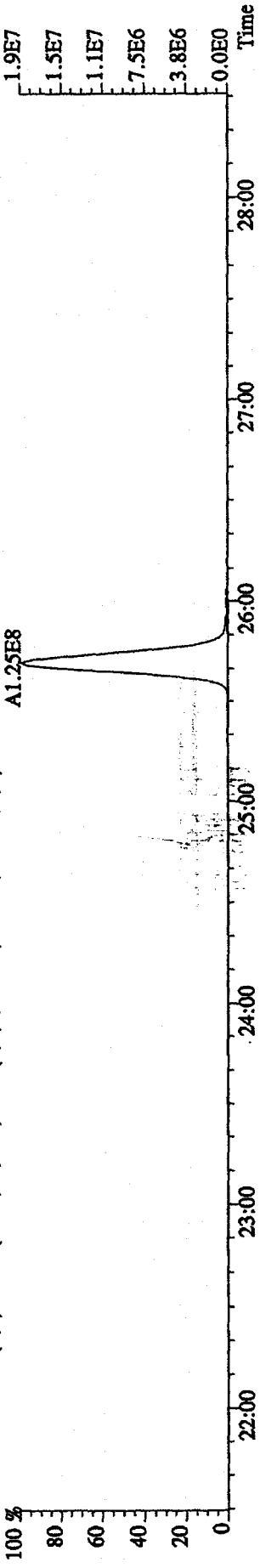
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10% ,5316,0,1,00%,F,T)



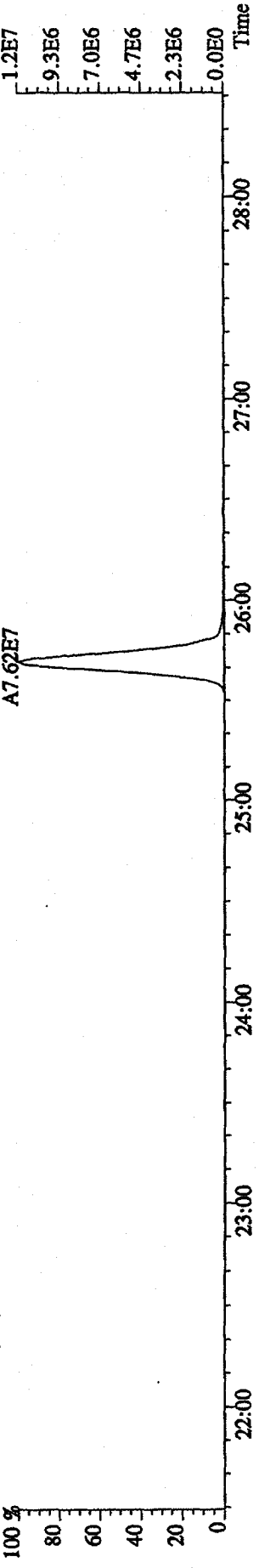
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10% ,2648,0,1,00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10% ,6684,0,1,00%,F,T)



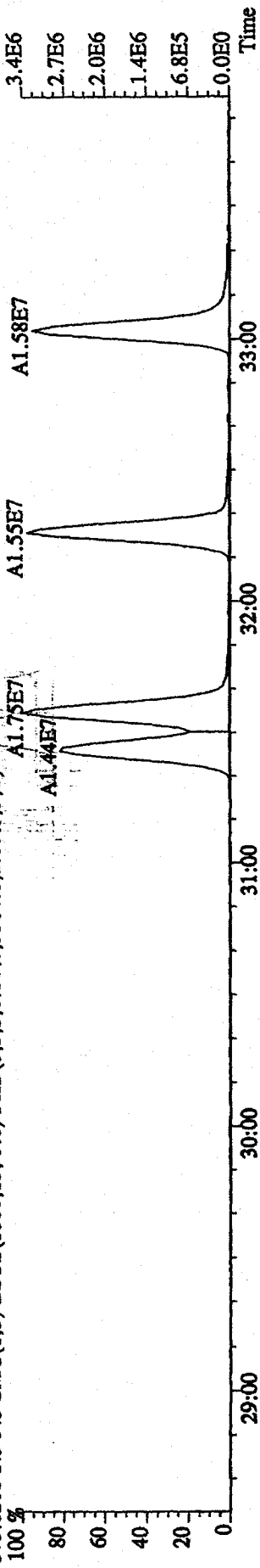
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10% ,5372,0,1,00%,F,T)



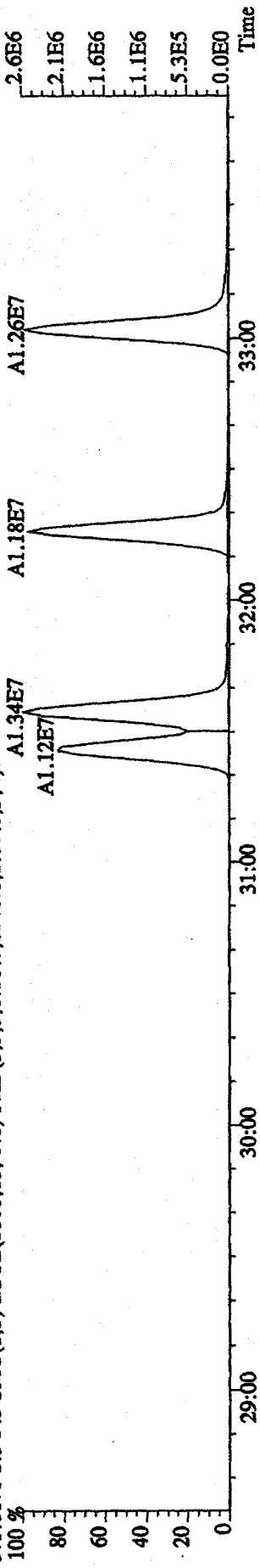
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

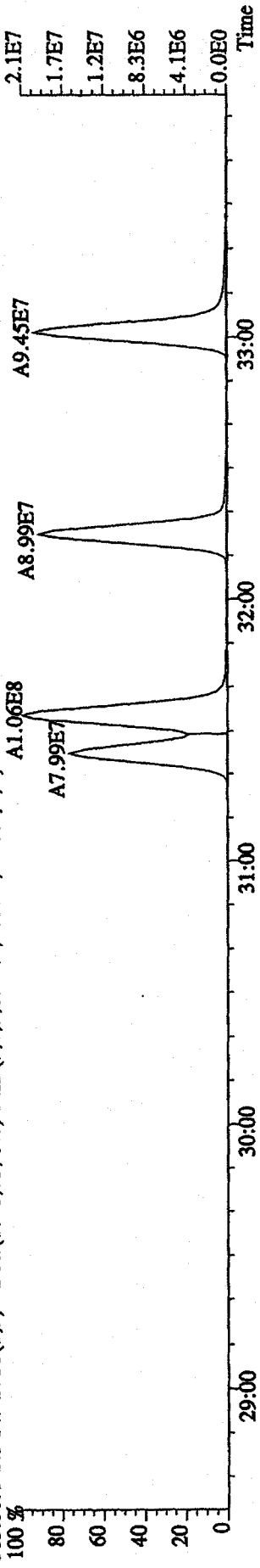
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9584.0,1.00%,F,T)



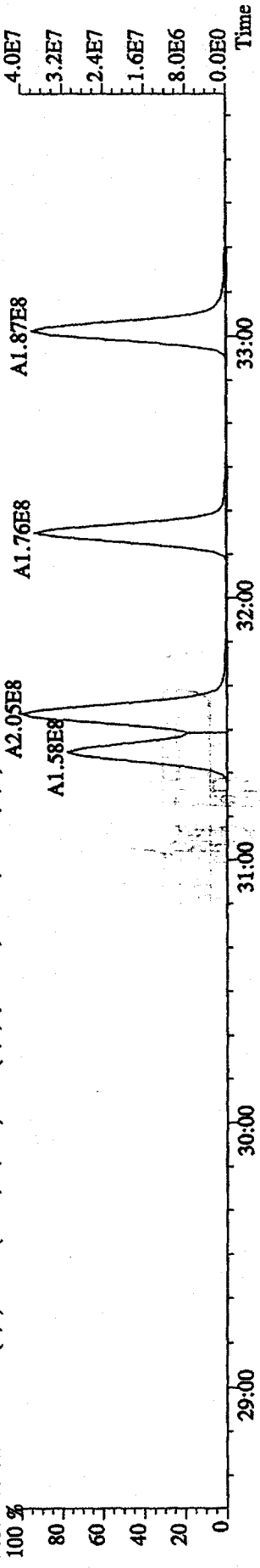
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8548.0,1.00%,F,T)



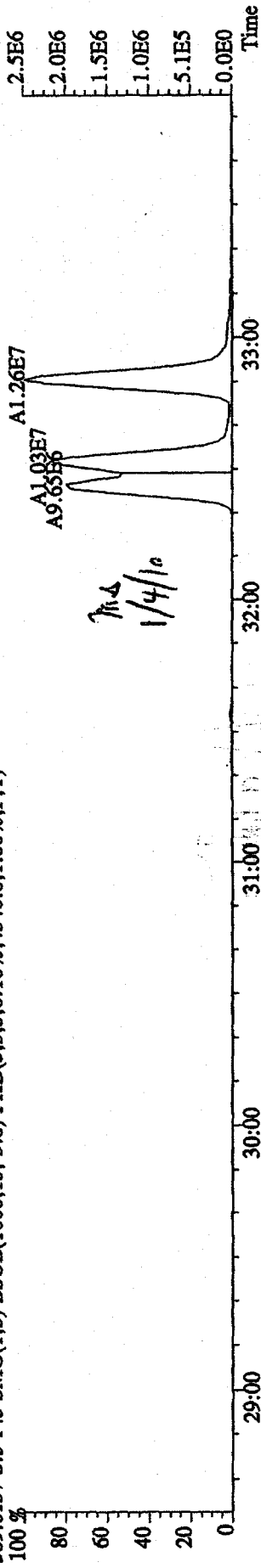
383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5088.0,1.00%,F,T)



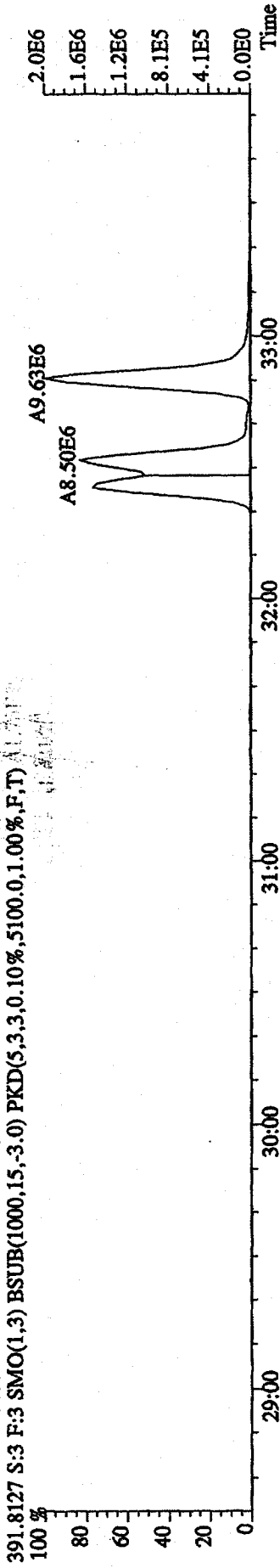
385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6044.0,1.00%,F,T)



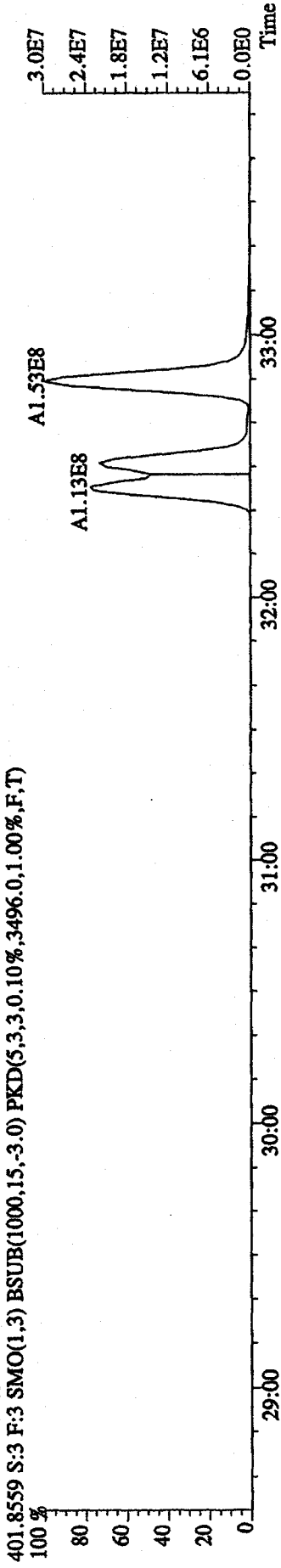
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



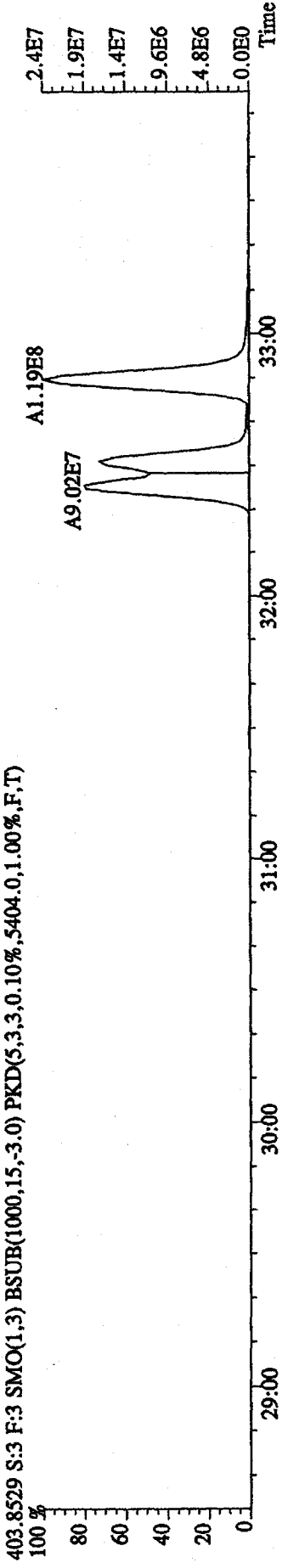
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5100.0,1.00%,F,T)



401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5404.0,1.00%,F,T)

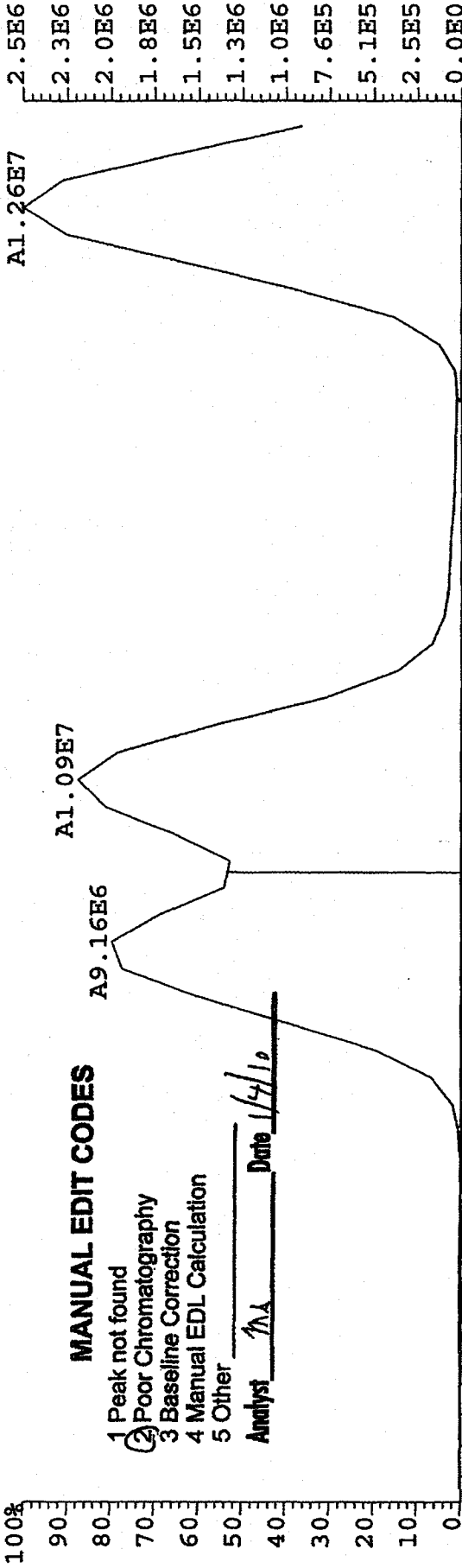


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423

Exp:DIOXIN

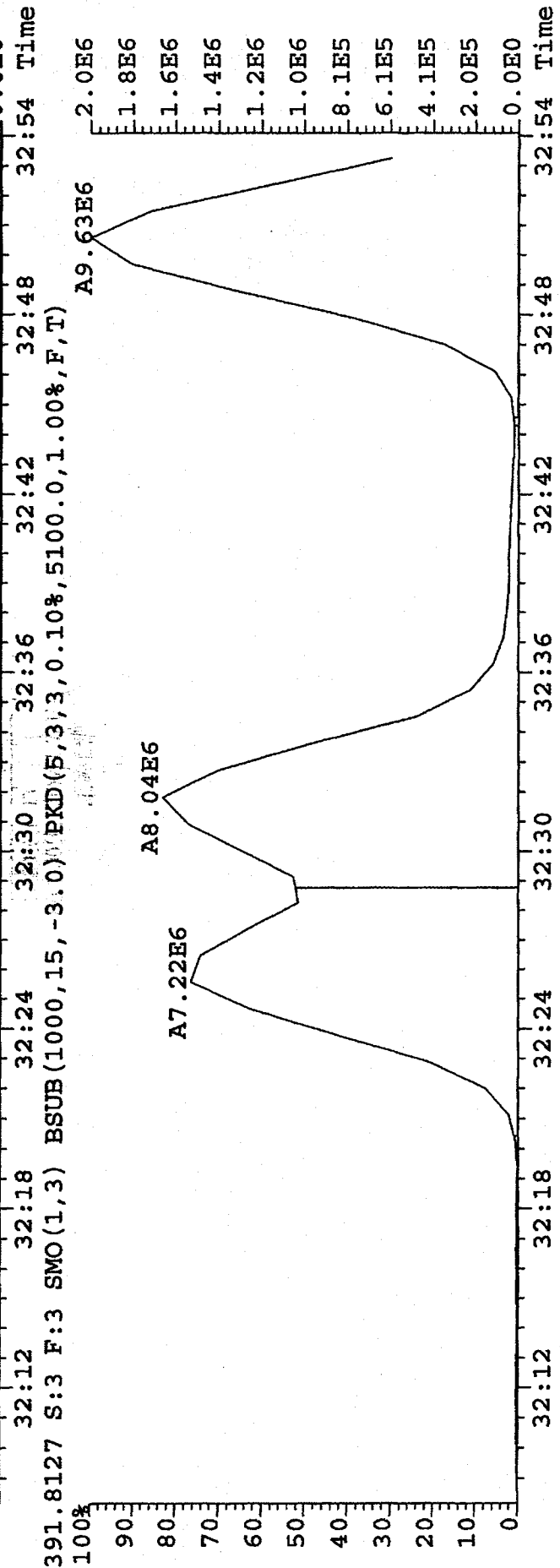
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



### MANUAL EDIT CODES

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

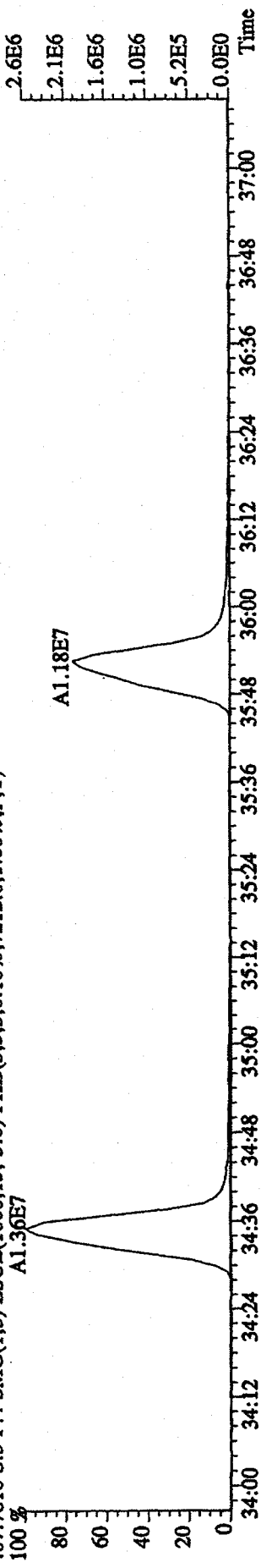
Analyst NA Date 1/4/10



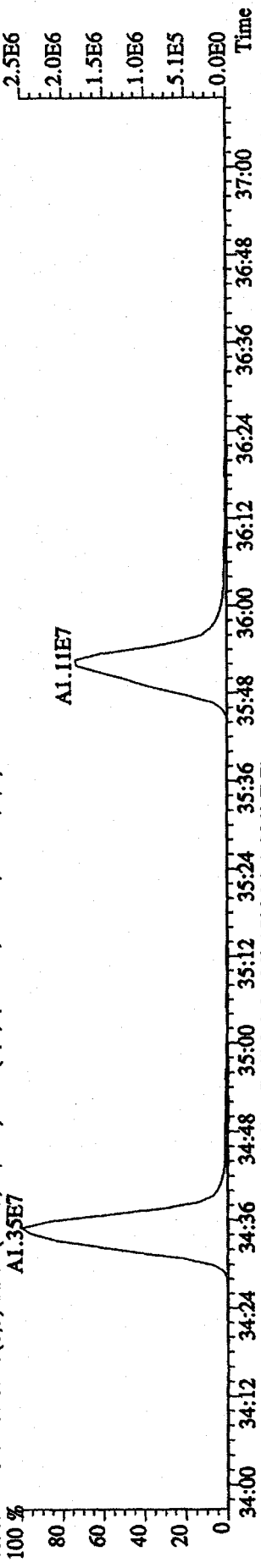
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

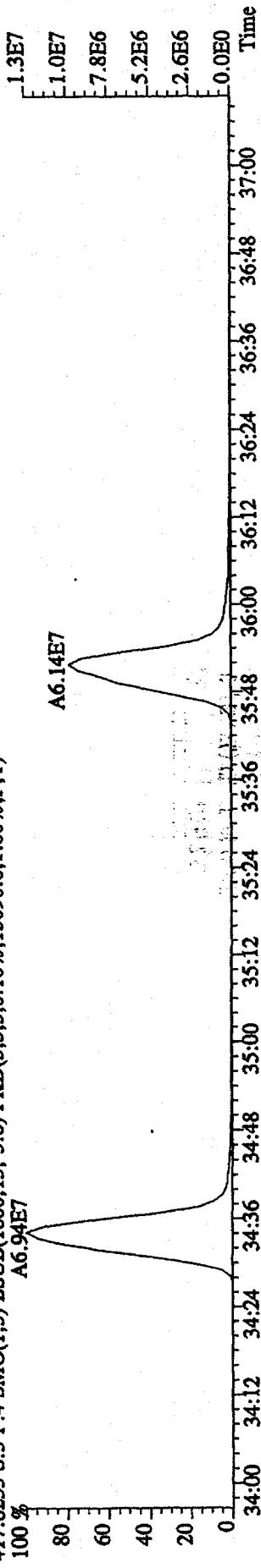
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T)



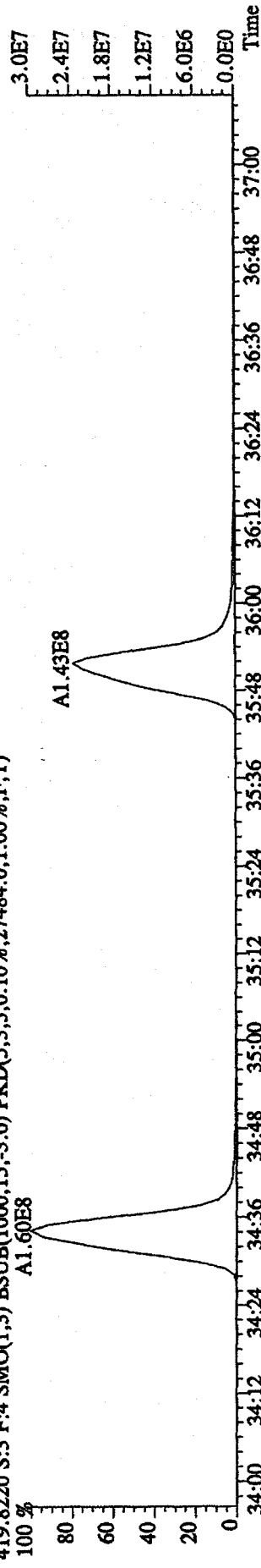
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8216.0,1.00%,F,T)



417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15096.0,1.00%,F,T)



419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27484.0,1.00%,F,T)

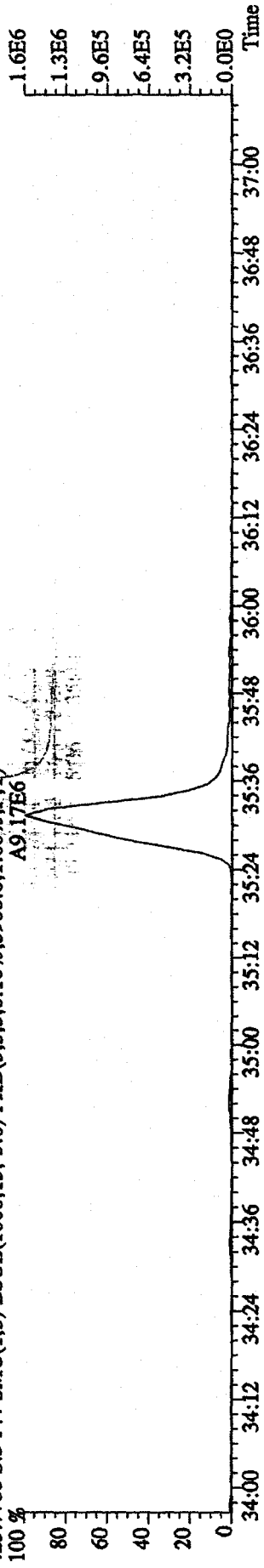




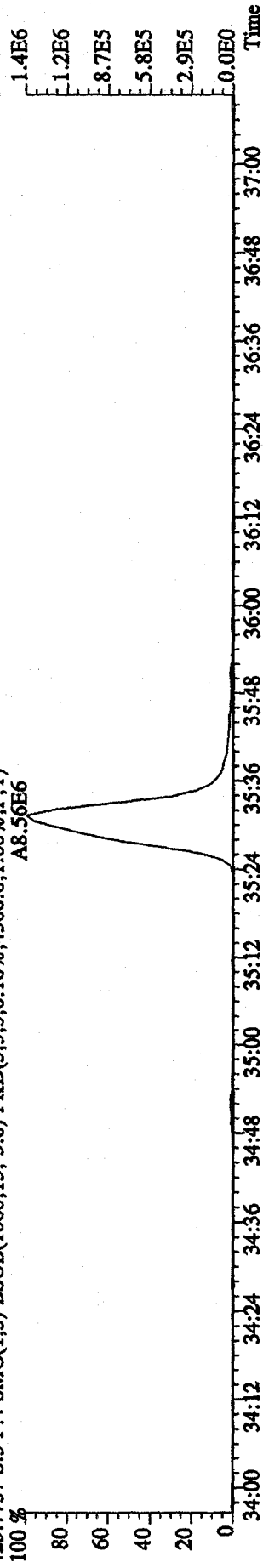
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

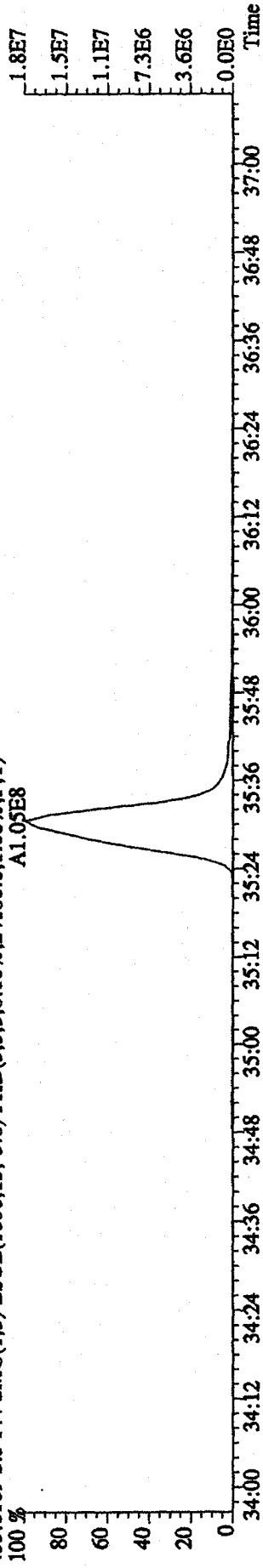
423.7766 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3908.0,1.00%,F,T)  
A9.17E6



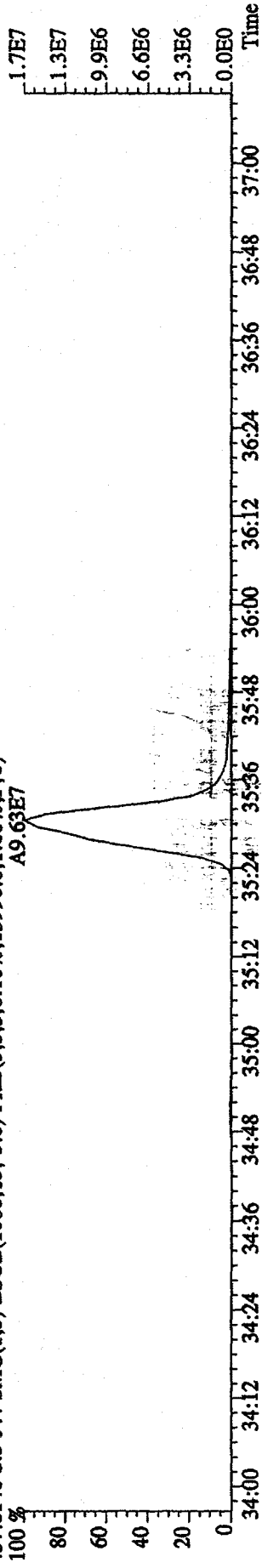
425.7737 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4360.0,1.00%,F,T)  
A8.56E6



435.8169 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,24180.0,1.00%,F,T)  
A1.05E8



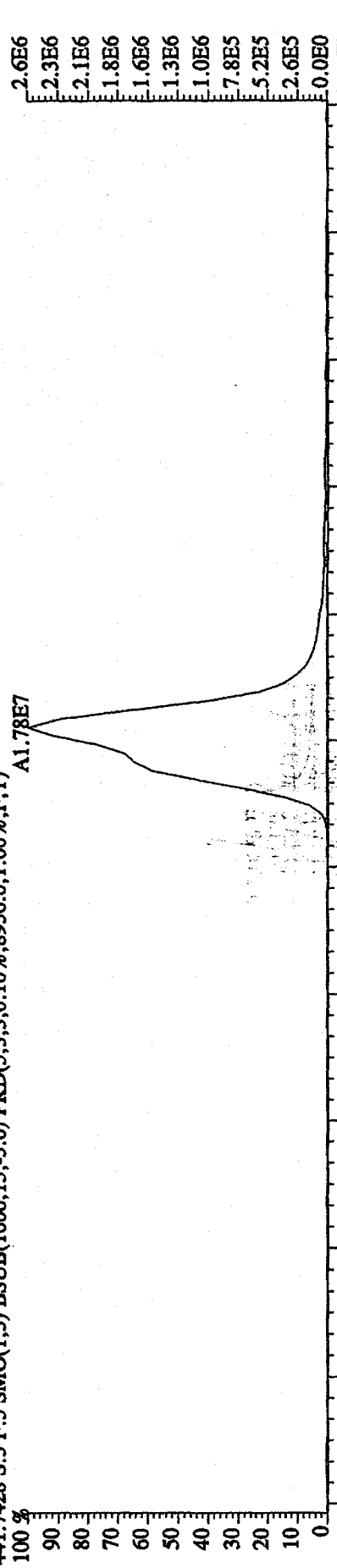
437.8140 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,15996.0,1.00%,F,T)  
A9.63E7



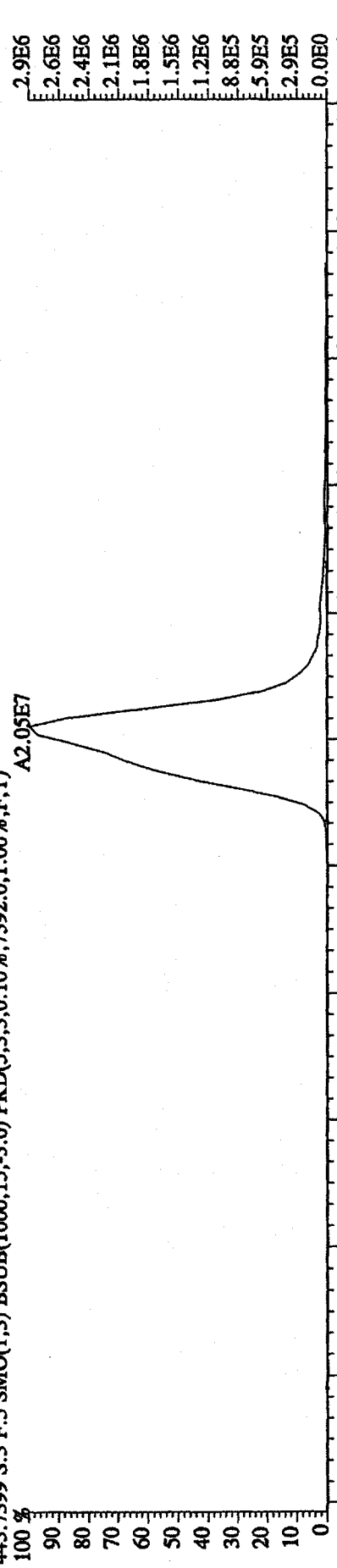
File:31DE09AID5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

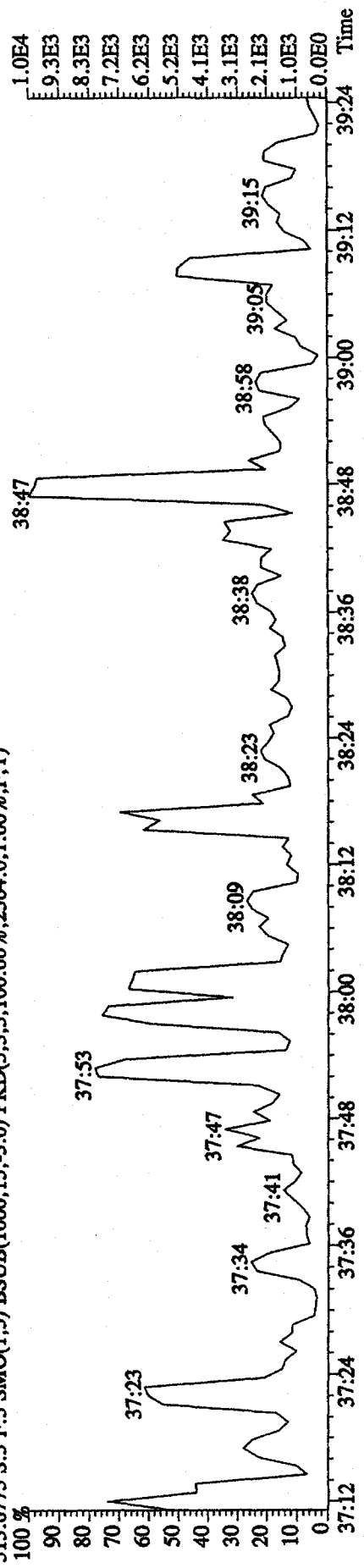
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8956.0,1.00%,F,T)



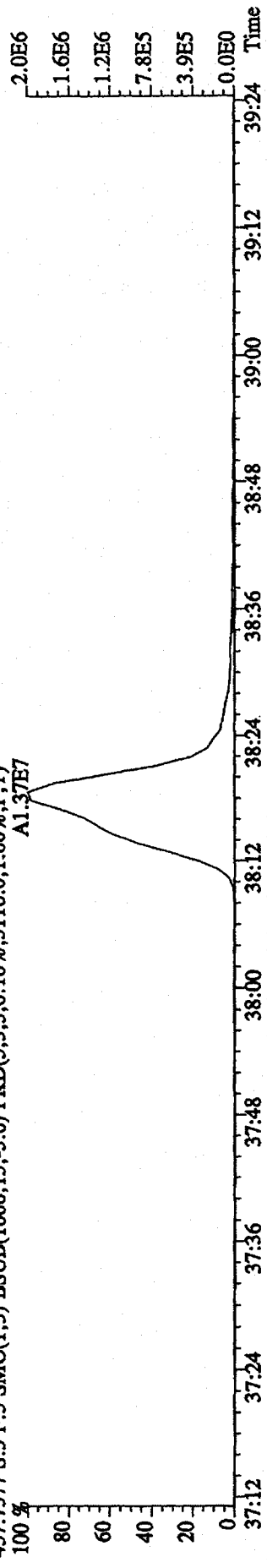
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7392.0,1.00%,F,T)



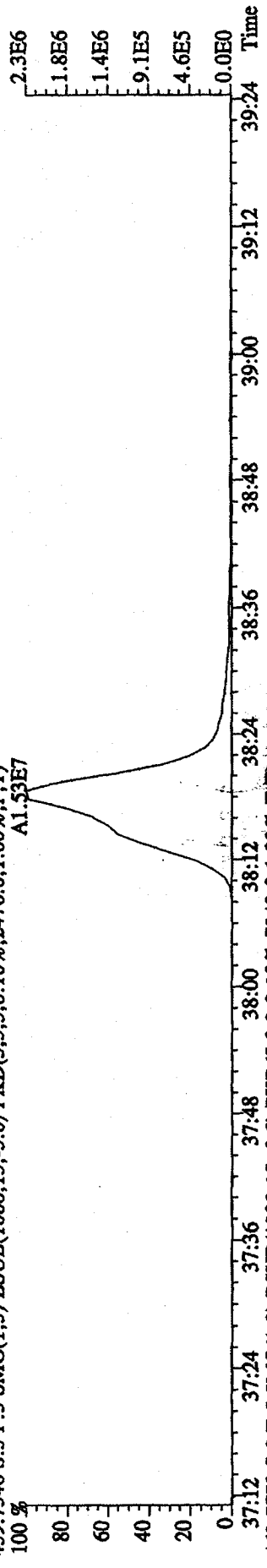
513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2364.0,1.00%,F,T)



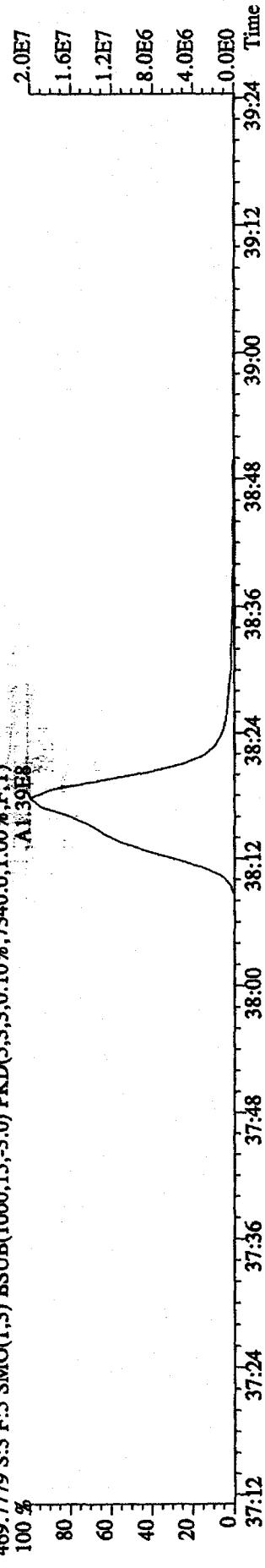
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)  
 A1.37E7



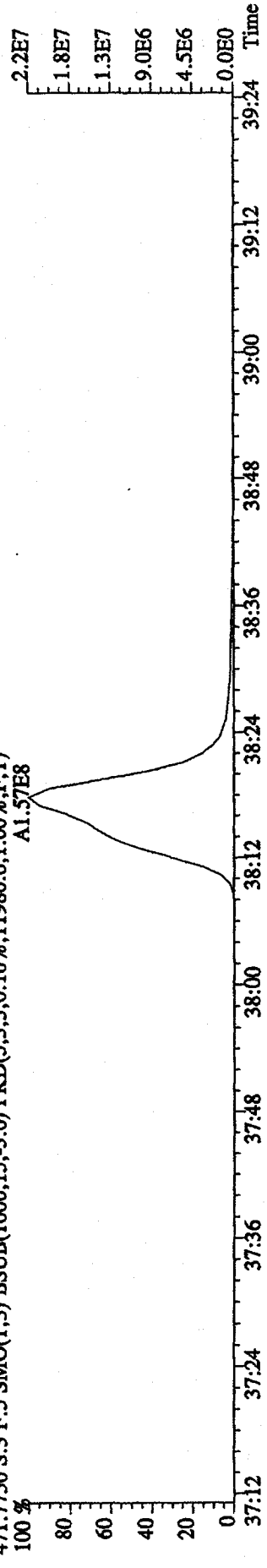
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2476.0,1.00%,F,T)  
 A1.53E7



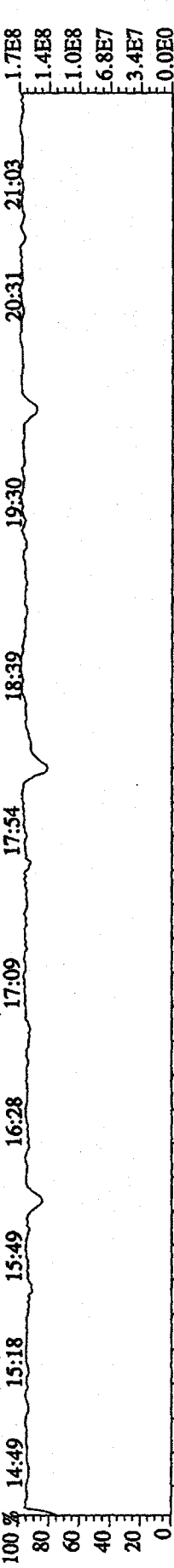
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)  
 A1.39E8



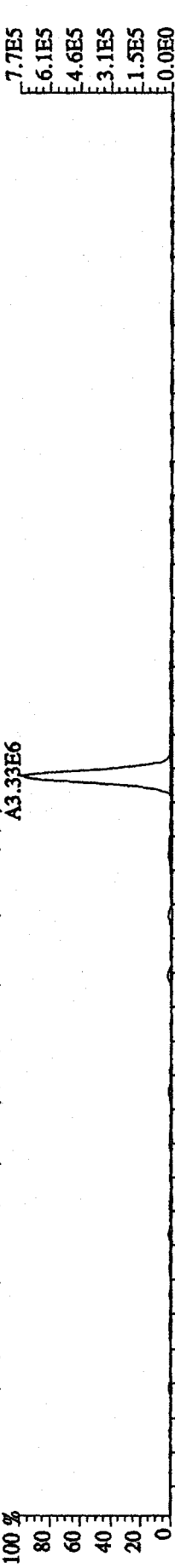
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11980.0,1.00%,F,T)  
 A1.57E8



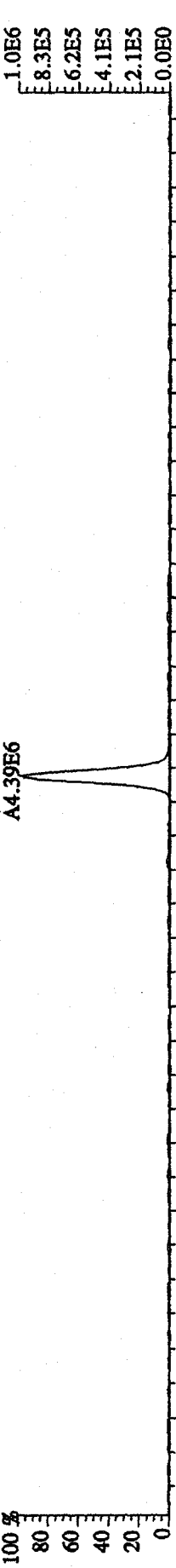
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00% 0.0,1.00%,F,T)  
 100 % 14:49 15:18 15:49 16:28 17:09 17:54 18:39 19:30 20:31 21:03



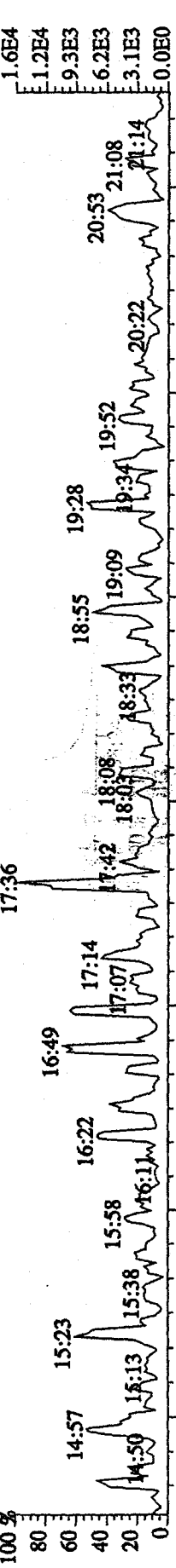
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5052.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 18:00 19:00 20:00 21:00



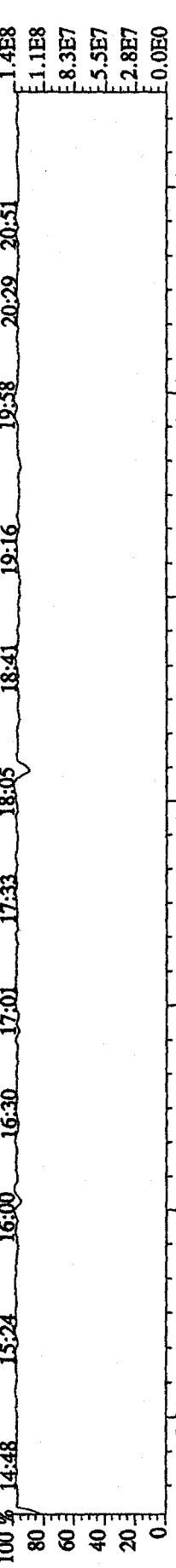
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6856.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 18:00 19:00 20:00 21:00



375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2192.0,1.00%,F,T)  
 100 % 15:00 16:00 17:00 18:00 18:00 19:00 20:00 21:00



330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 14:48 15:24 16:00 16:30 17:01 17:33 18:05 18:41 19:16 19:58 20:29 20:51

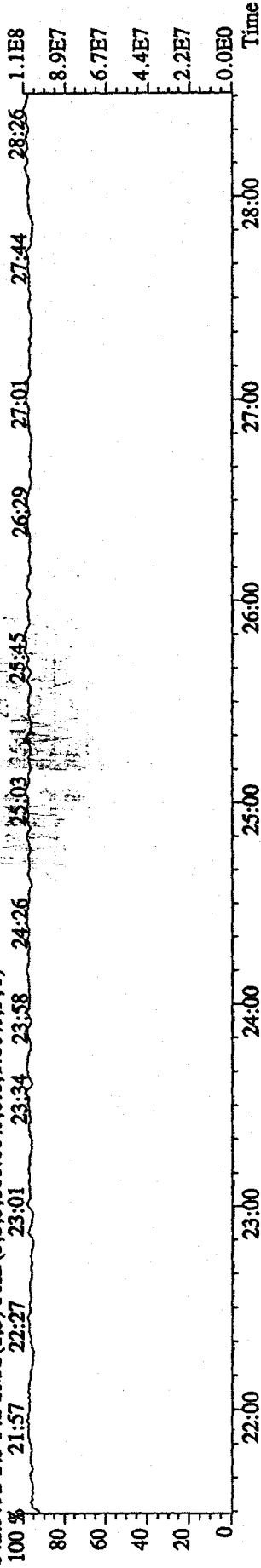


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

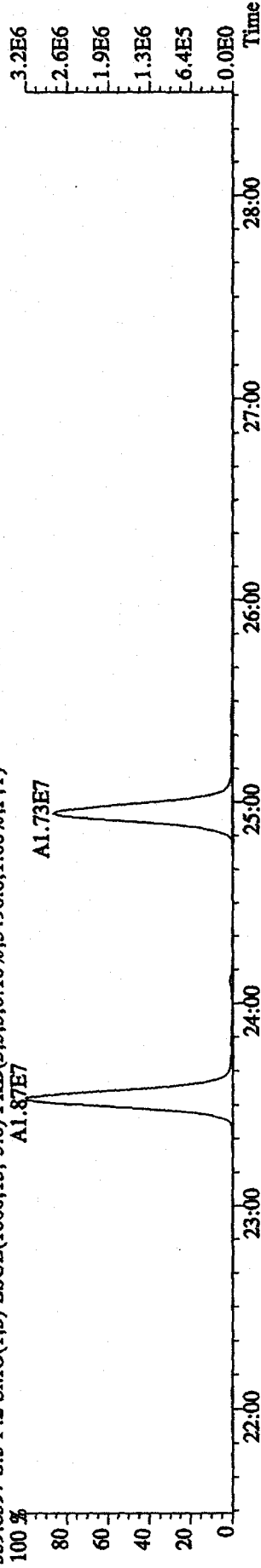
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

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 1.1E8



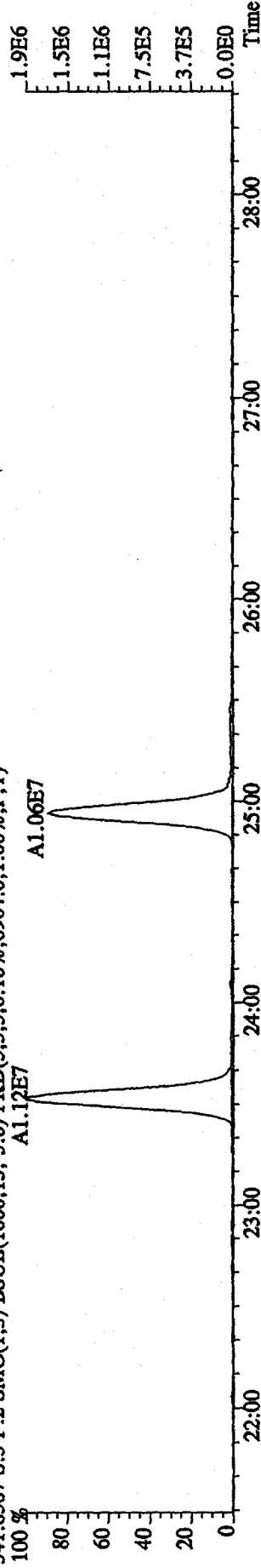
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5496.0,1.00%,F,T)

100 % 21:57 22:27 23:01 23:34 23:58 24:26 25:03 25:45 26:29 27:01 27:44 28:26 1.1E8



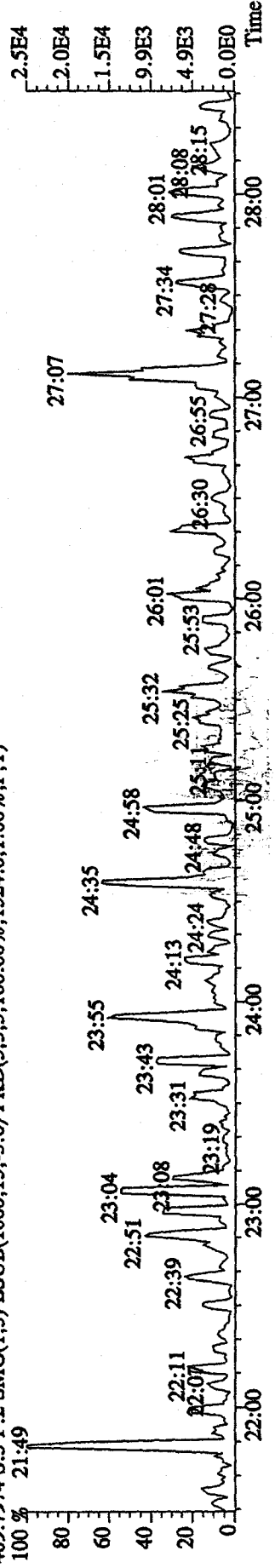
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6964.0,1.00%,F,T)

100 % 21:57 22:27 23:01 23:34 23:58 24:26 25:03 25:45 26:29 27:01 27:44 28:26 1.1E8

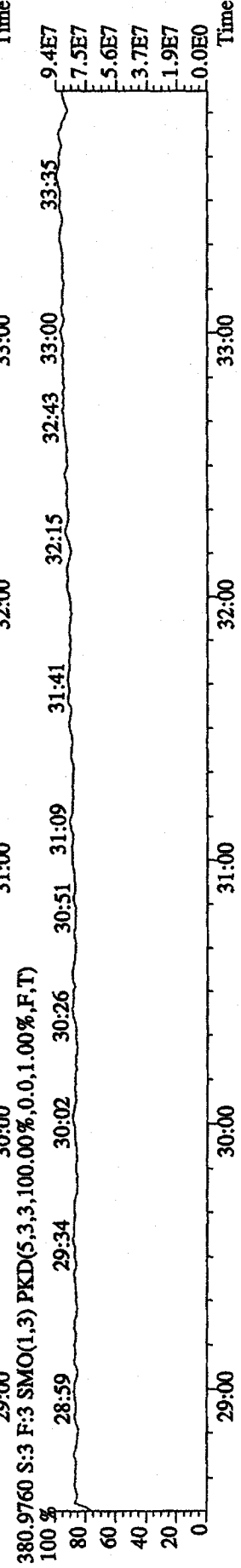
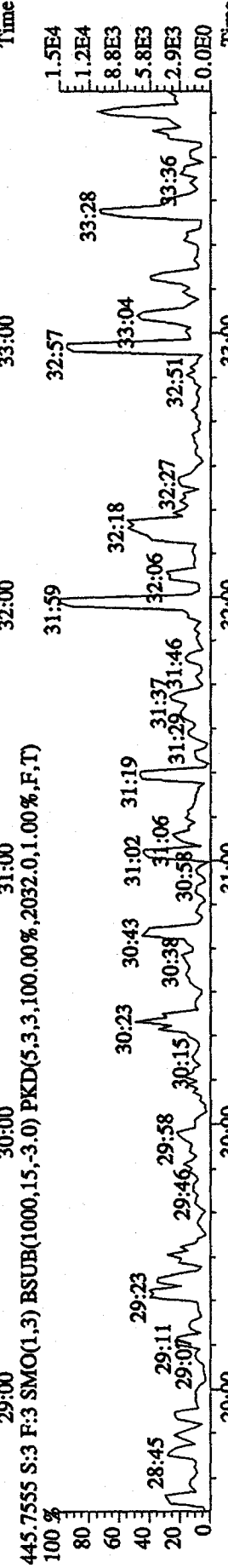
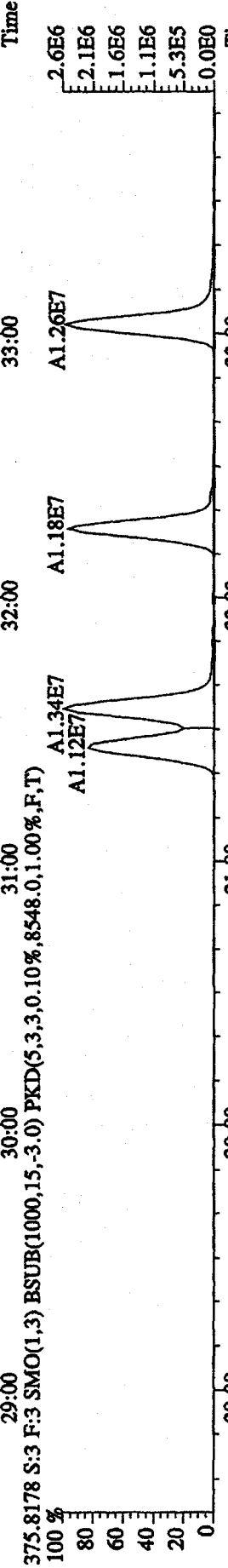
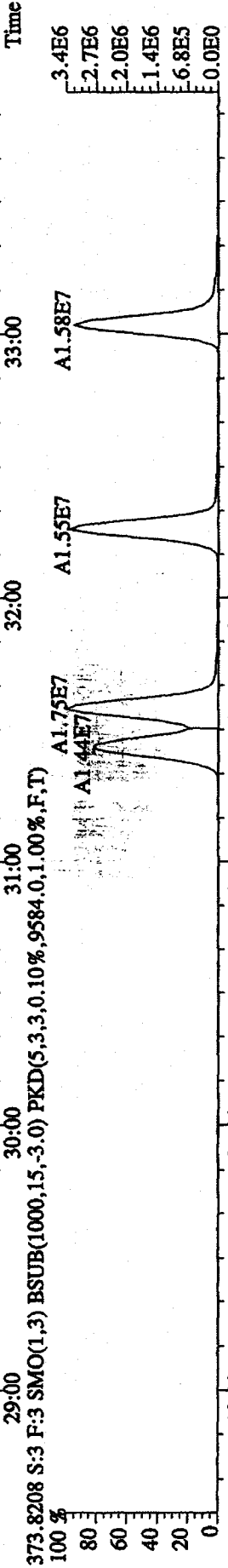
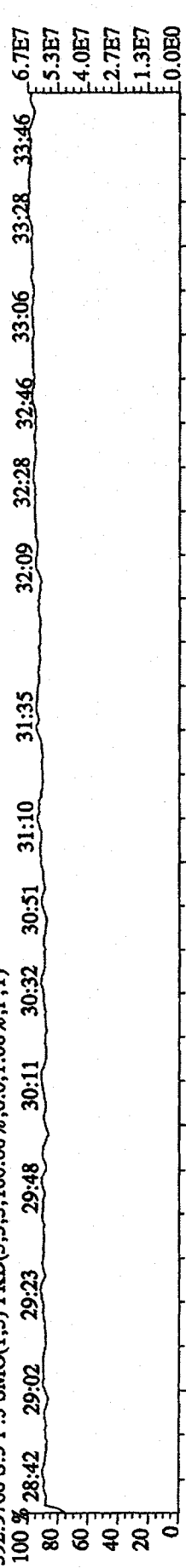


409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1524.0,1.00%,F,T)

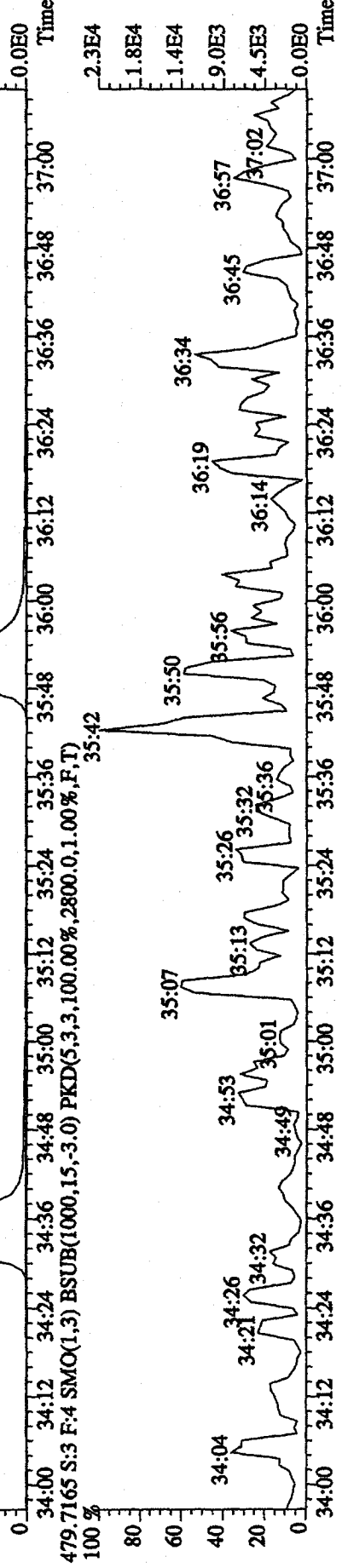
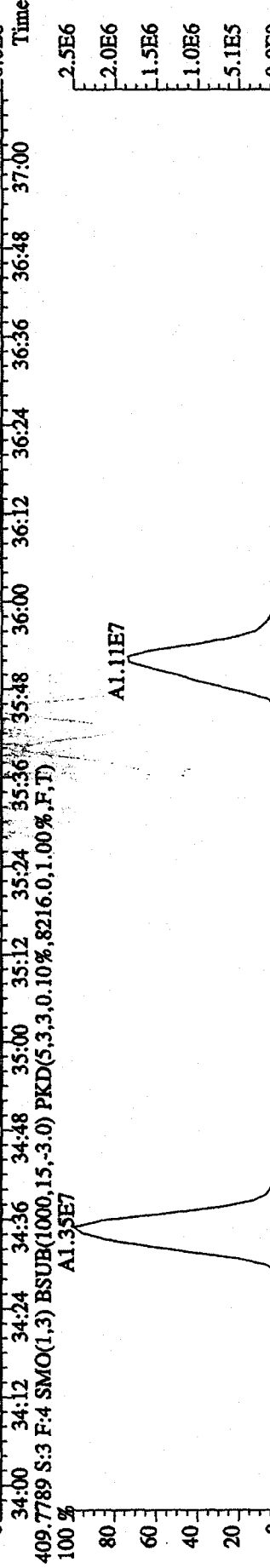
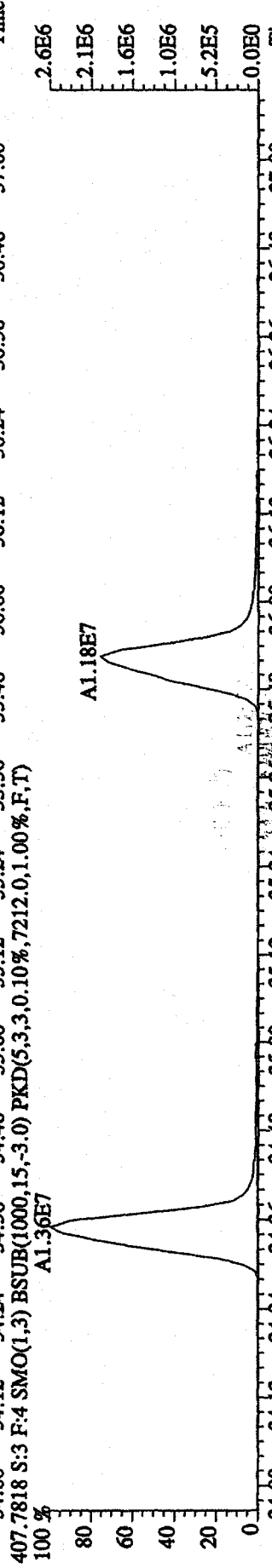
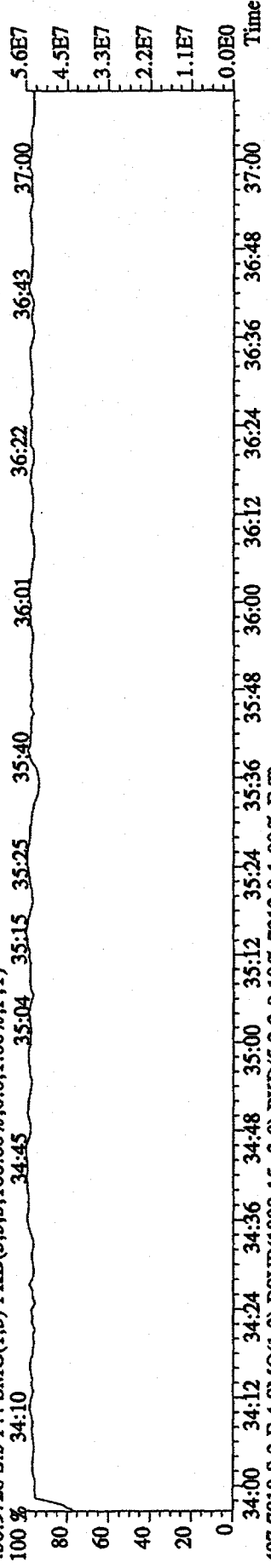
100 % 21:57 22:27 23:01 23:34 23:58 24:26 25:03 25:45 26:29 27:01 27:44 28:26 1.1E8



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  
 392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 28:42 29:02 29:23 29:48 30:11 30:32 30:51 31:10 31:35 32:09 32:28 32:46 33:06 33:28 33:46 6.7E7  
 5.3E7  
 4.0E7  
 2.7E7  
 1.3E7  
 0.0E0



File:31DE09AID5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE  
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN  
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 34:10 34:45 35:04 35:15 35:25 35:40 36:01 36:22 36:43 37:00

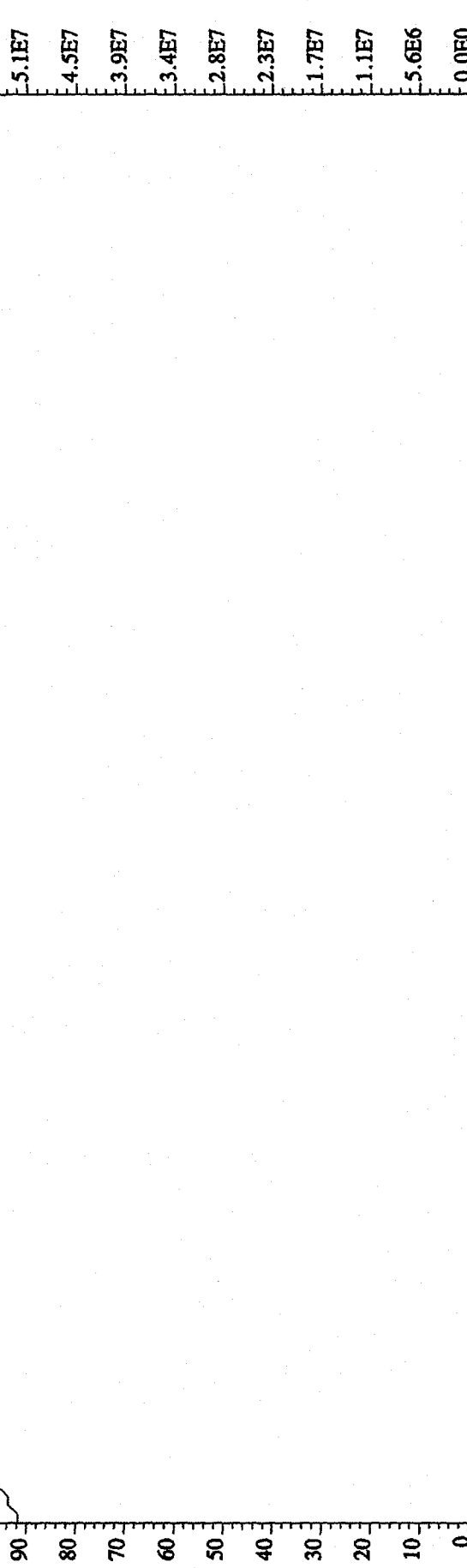


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

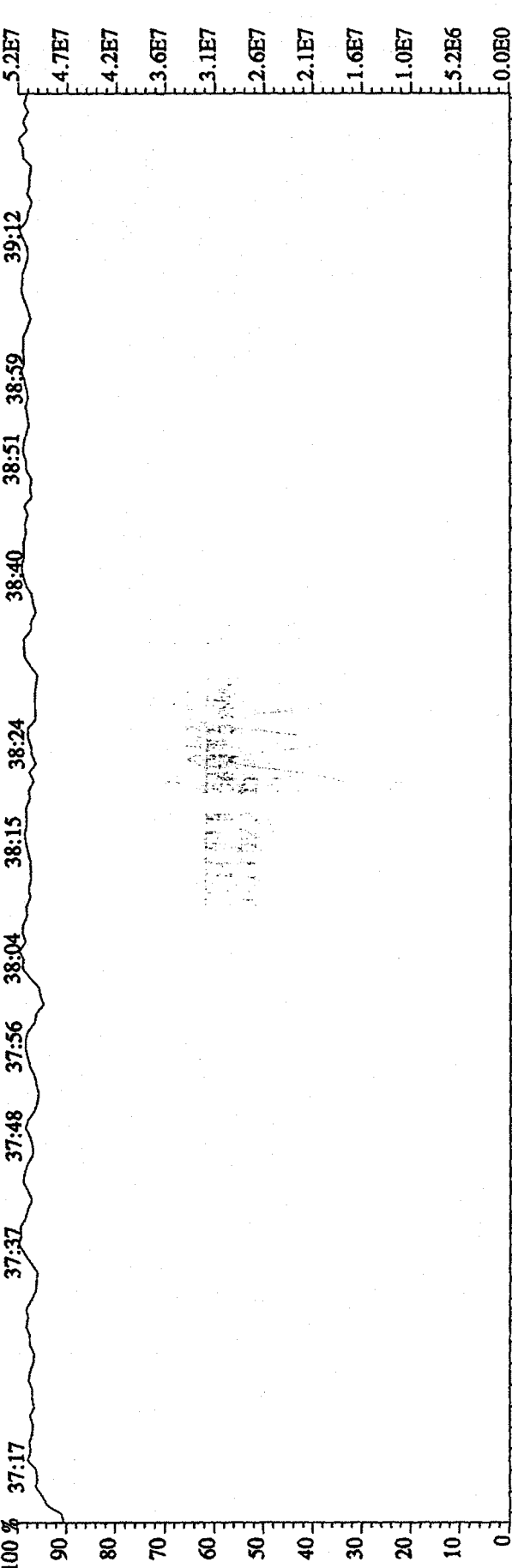
454.9728 S:3 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 % 37:16 37:28 37:39 37:51 38:01 38:18 38:30 38:39 38:48 38:56 39:07 39:19 5.6E7



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

100 % 37:17 37:37 37:48 37:56 38:04 38:15 38:24 38:40 38:51 38:59 39:12 5.2E7

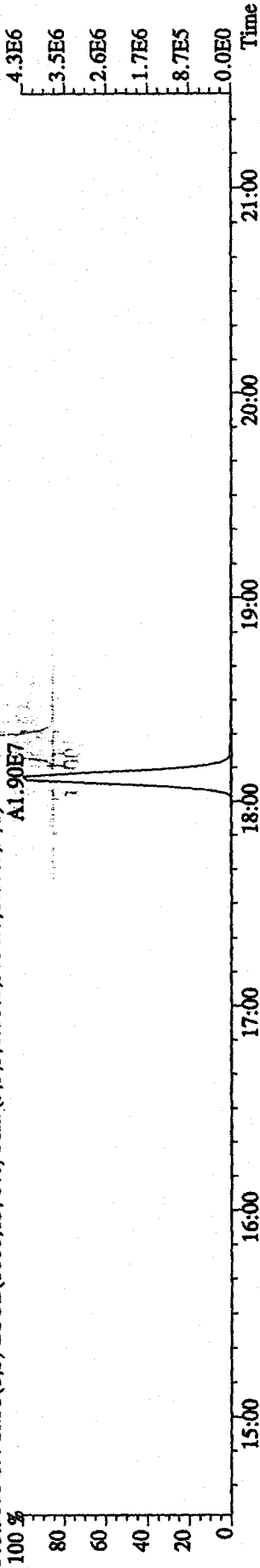




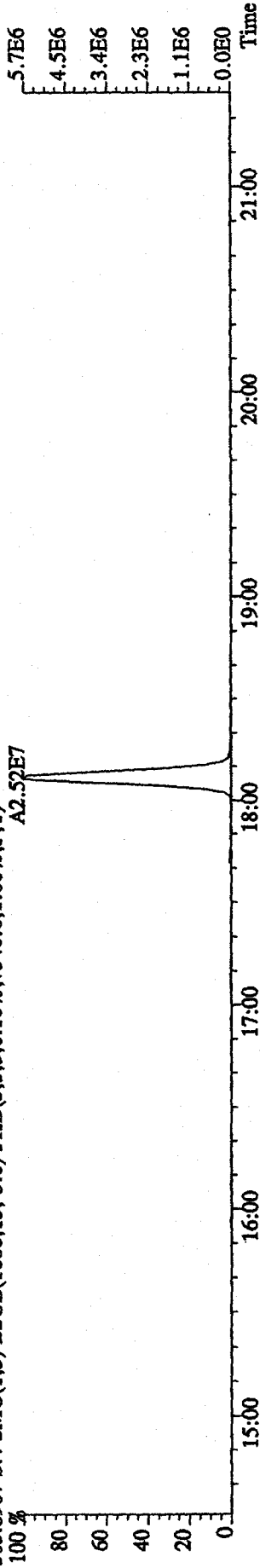
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

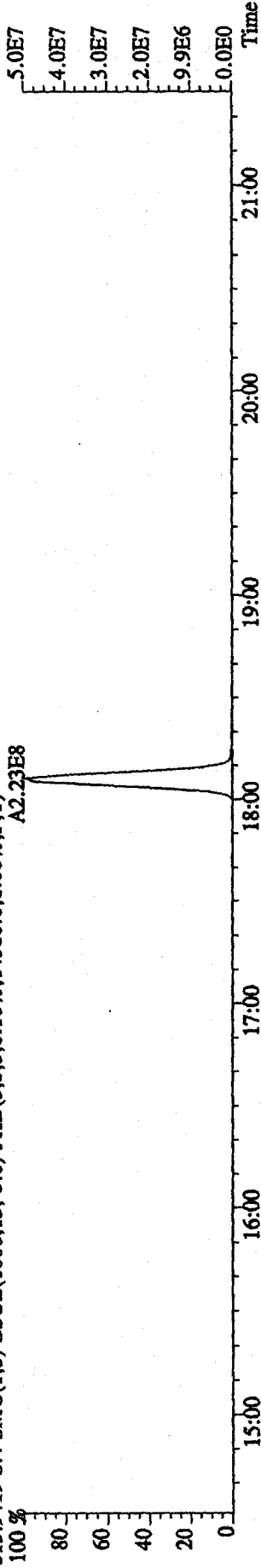
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)



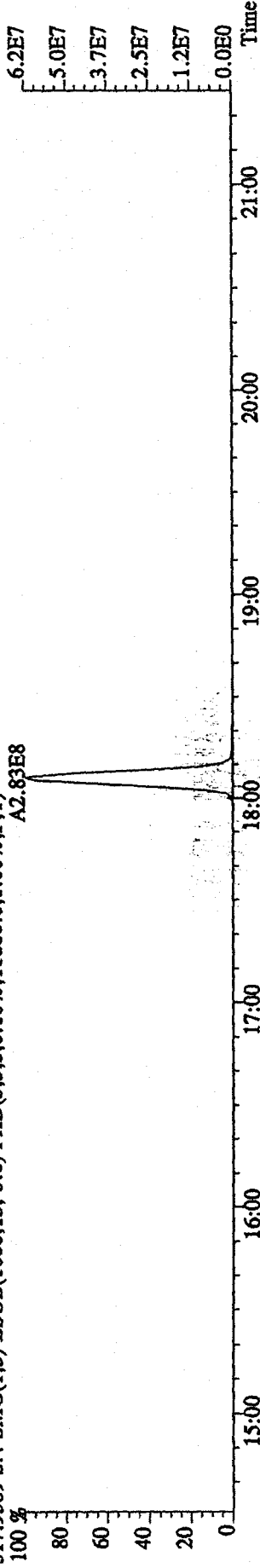
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)



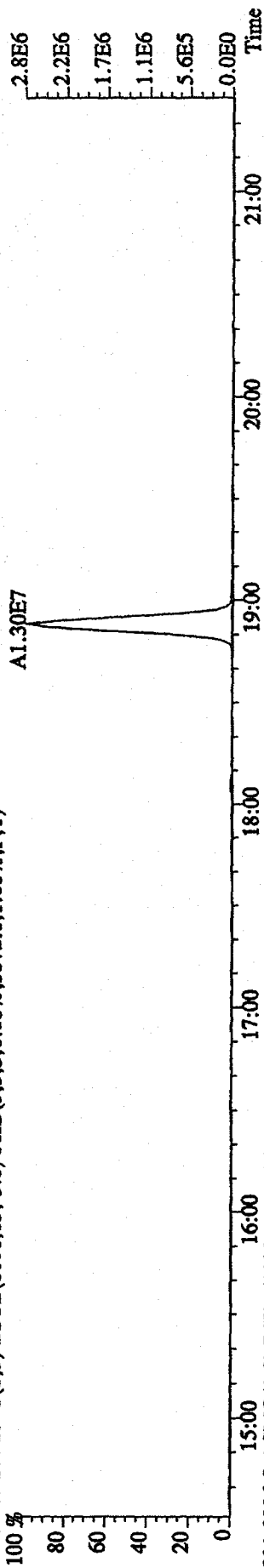
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14580.0,1.00%,F,T)



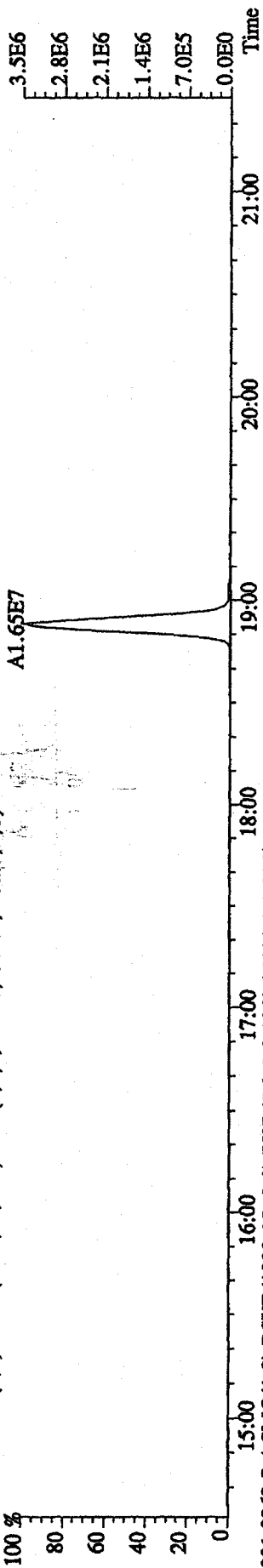
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11880.0,1.00%,F,T)



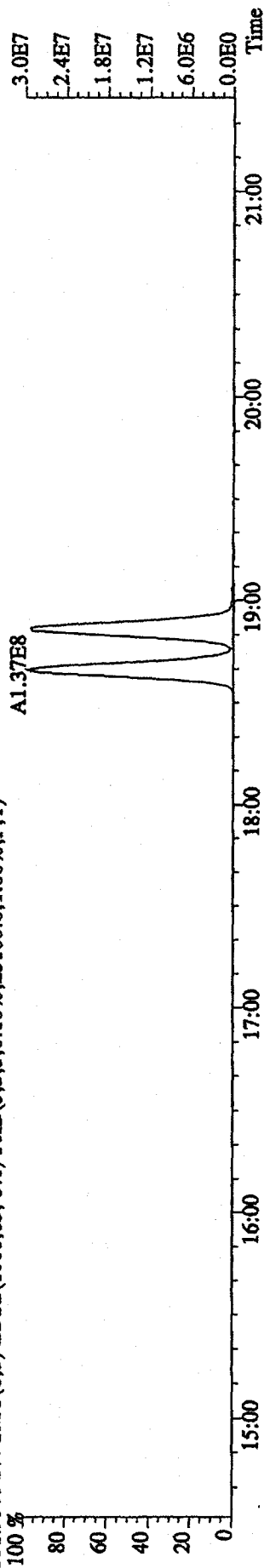
File:31DE09AID5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5572.0,1.00%,F,T)



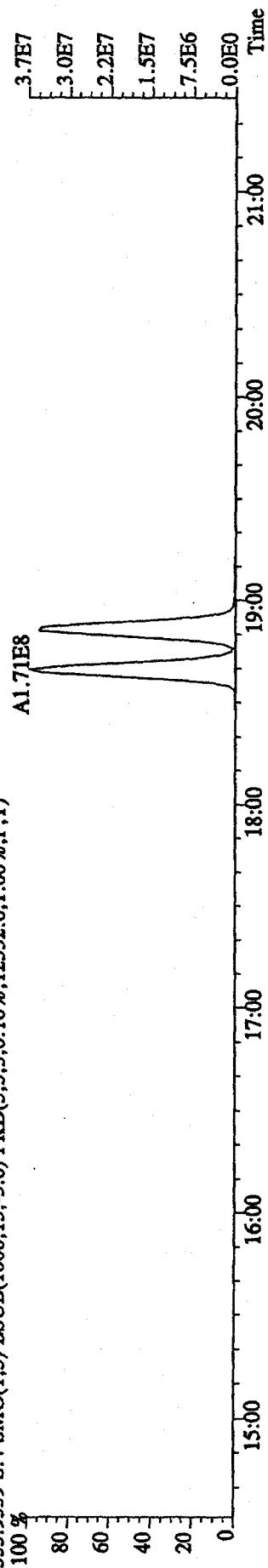
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5908.0,1.00%,F,T)



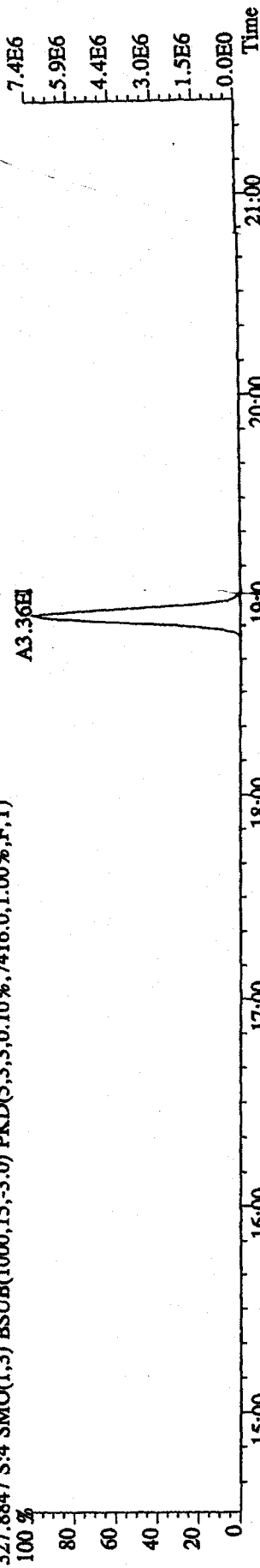
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25100.0,1.00%,F,T)



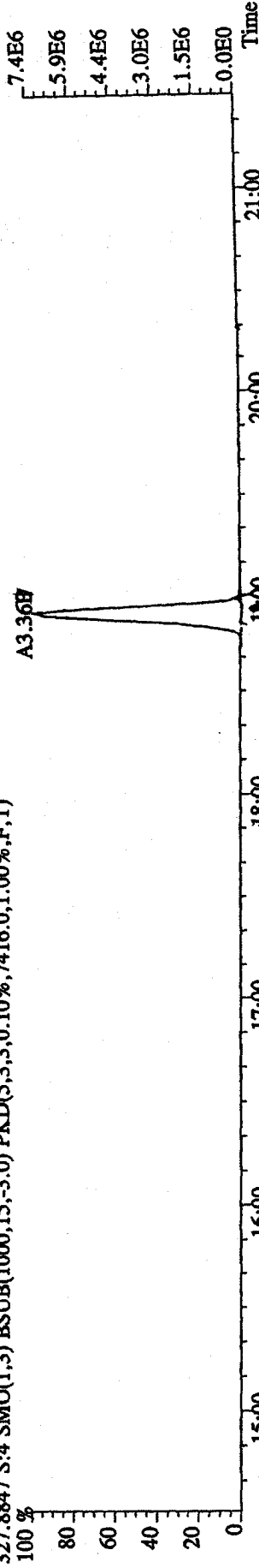
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12532.0,1.00%,F,T)



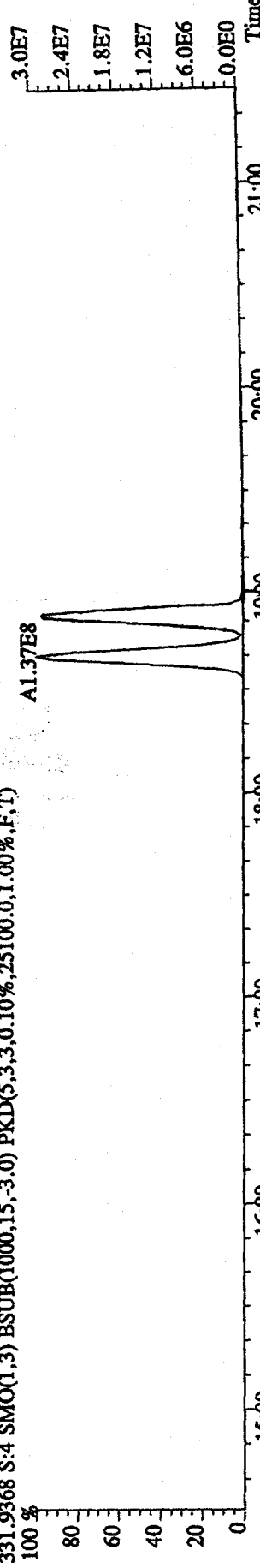
File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 327.8847 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7416.0,1.00%,F,T)



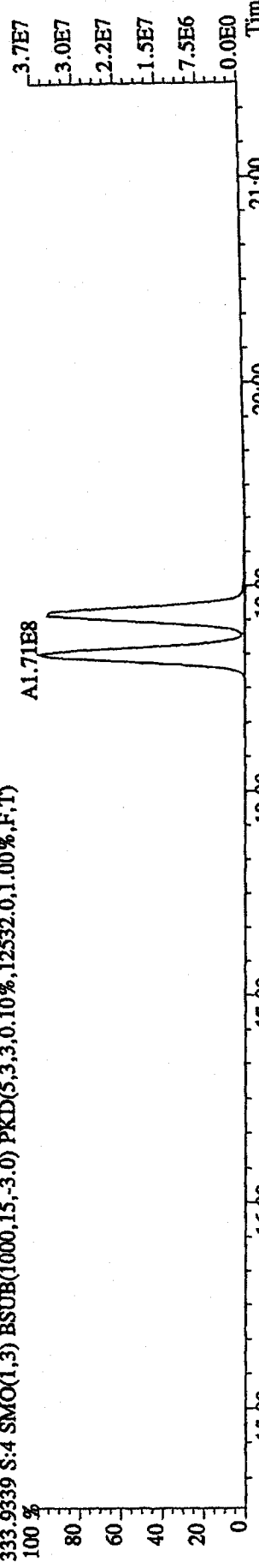
327.8847 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7416.0,1.00%,F,T)



331.9368 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,25100.0,1.00%,F,T)

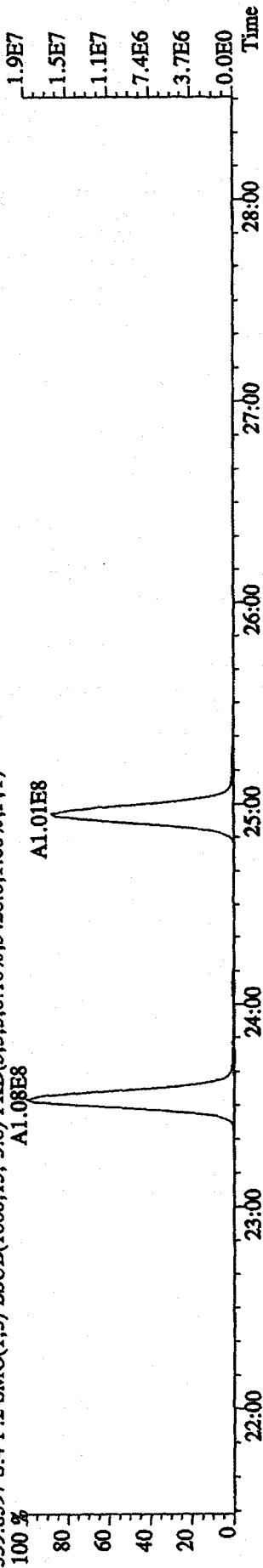


333.9339 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,12532.0,1.00%,F,T)

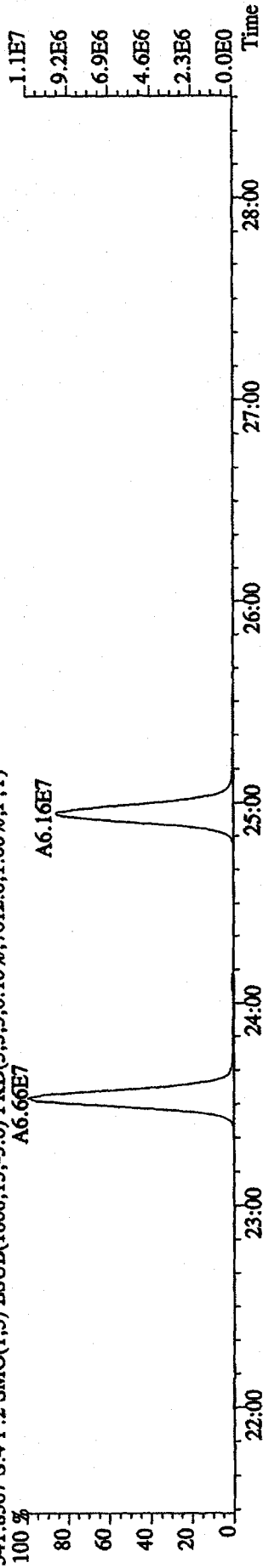


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

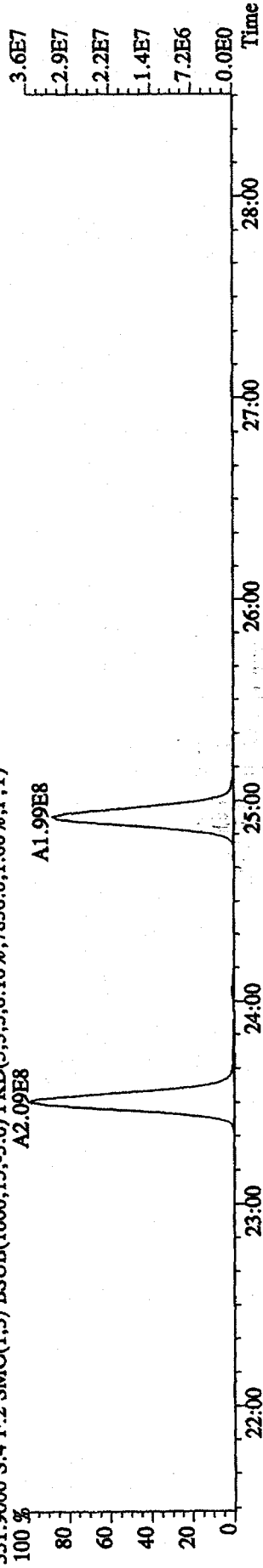
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)



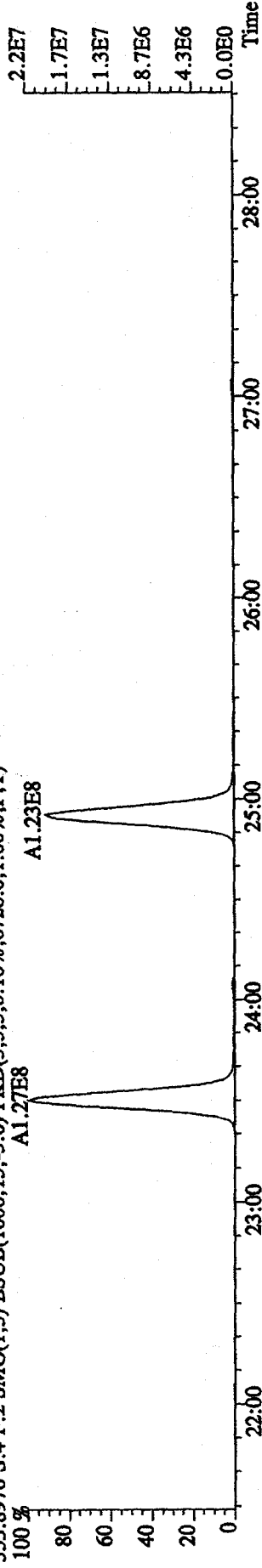
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)



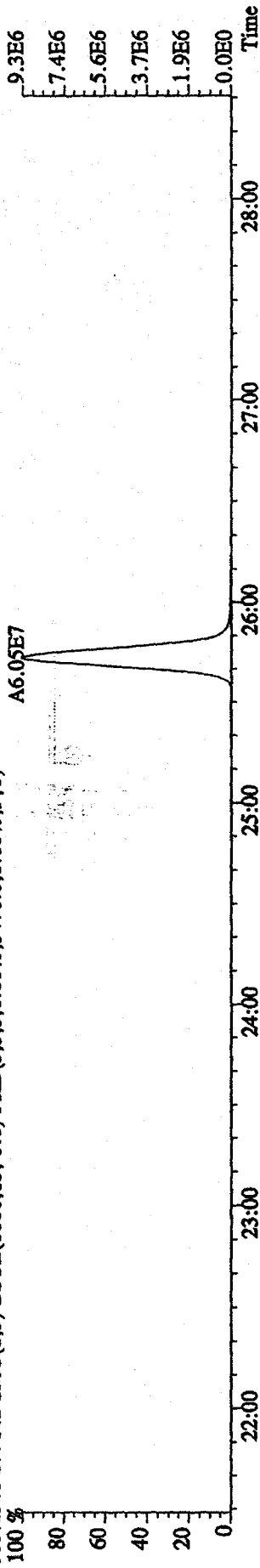
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7836.0,1.00%,F,T)



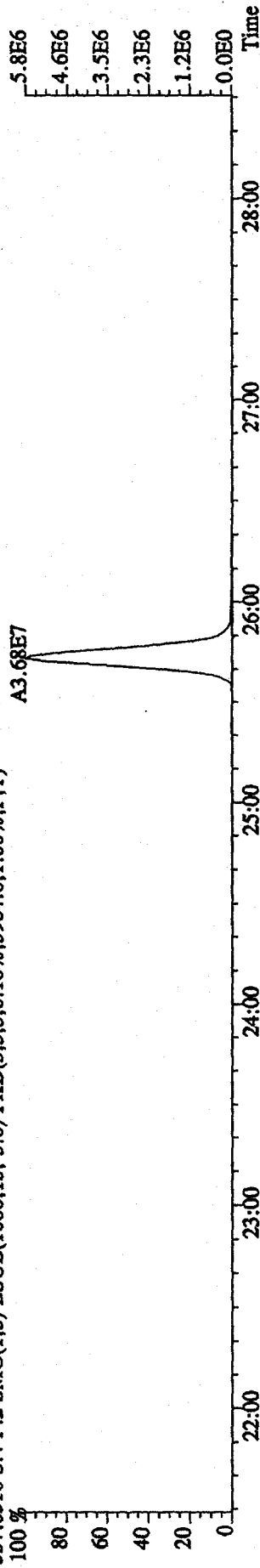
353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6728.0,1.00%,F,T)



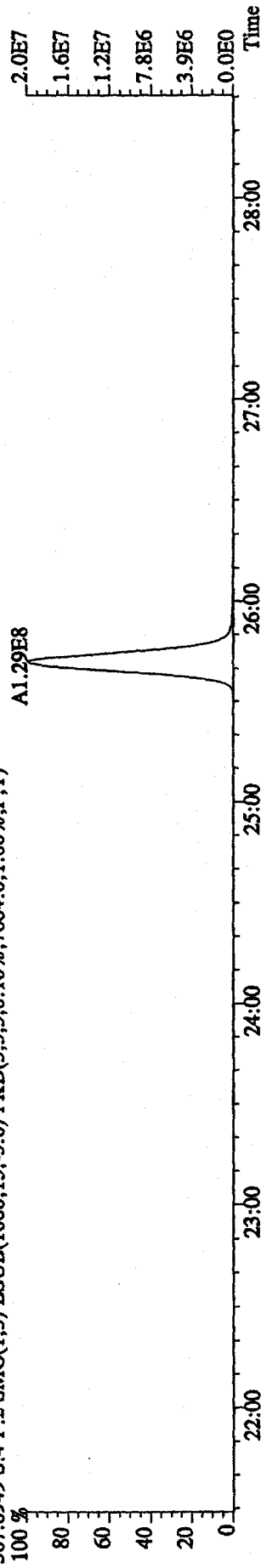
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 355.8546 S:4 F:2 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,5476.0,1.00%,F,T)



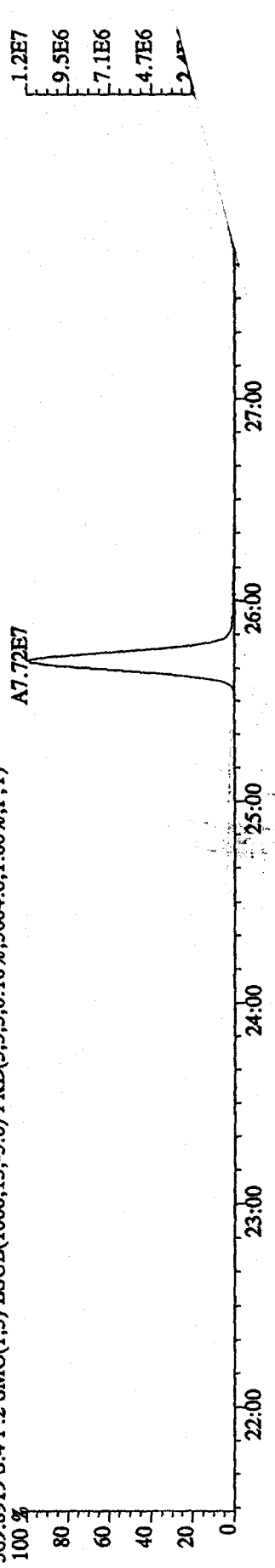
357.8516 S:4 F:2 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,3984.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,7664.0,1.00%,F,T)



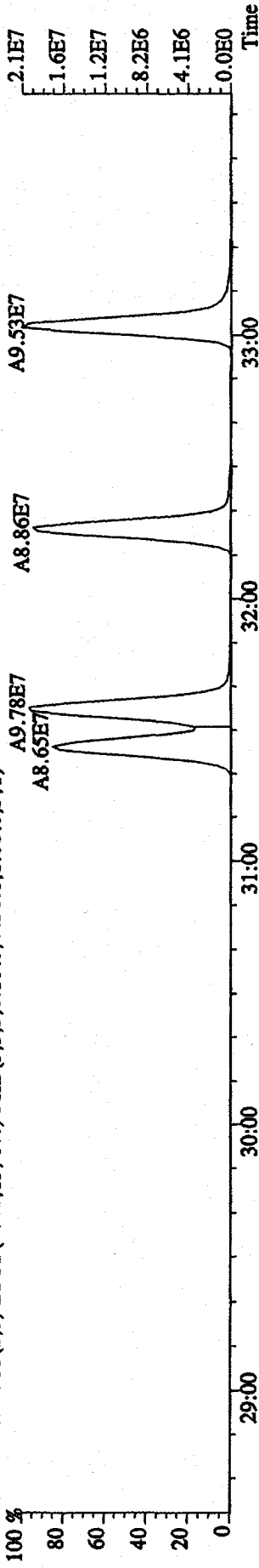
369.8919 S:4 F:2 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,3604.0,1.00%,F,T)



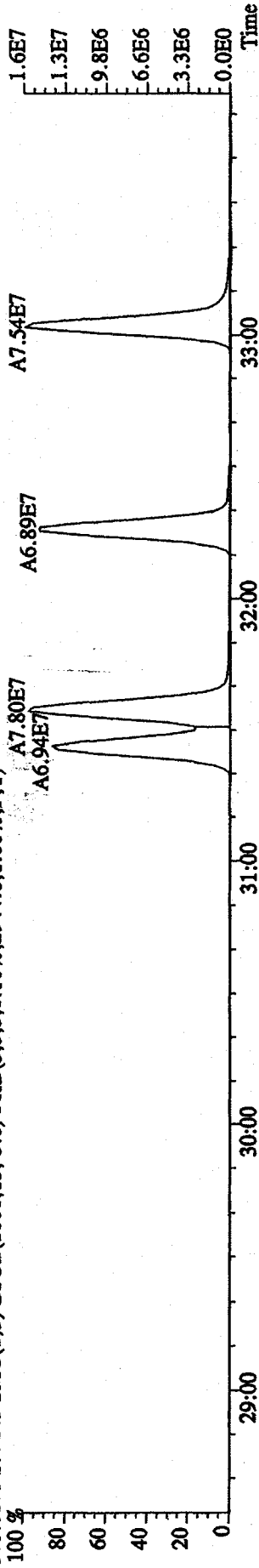
File:31DE09AID5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

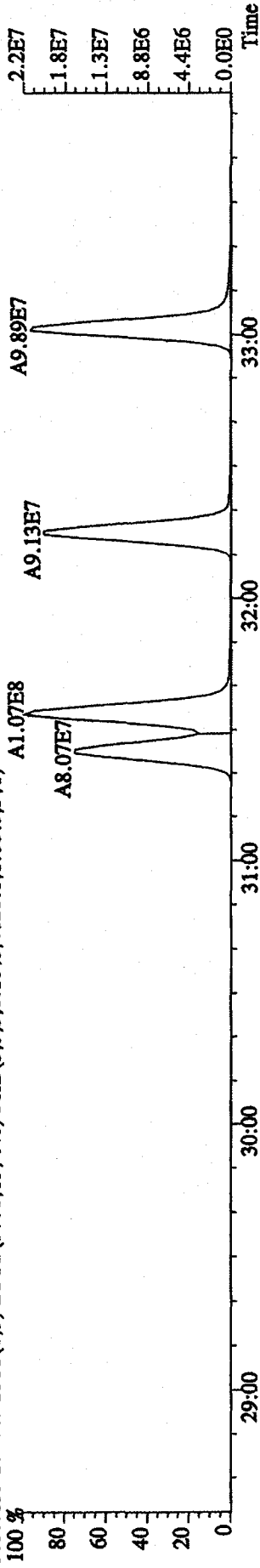
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4436,0,1.00%,F,T)



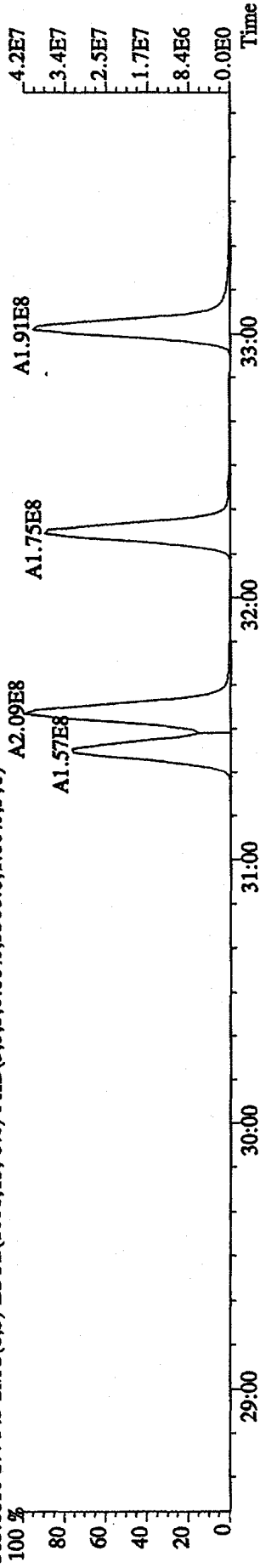
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2944,0,1.00%,F,T)



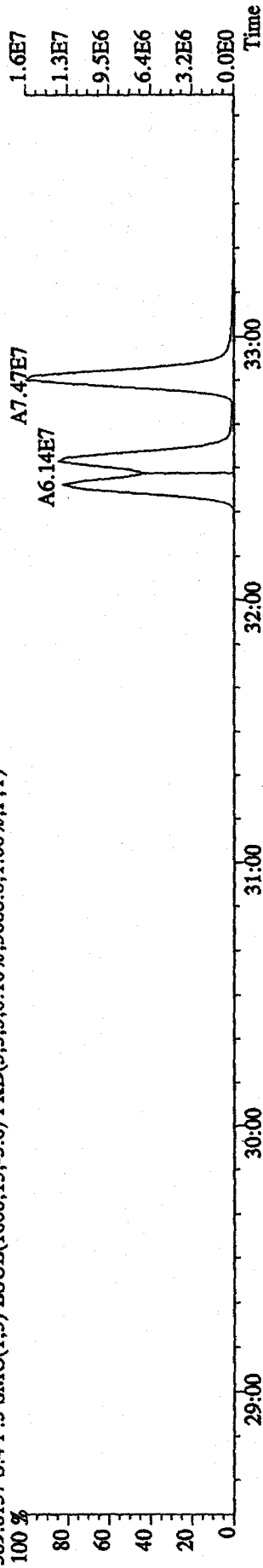
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4020,0,1.00%,F,T)



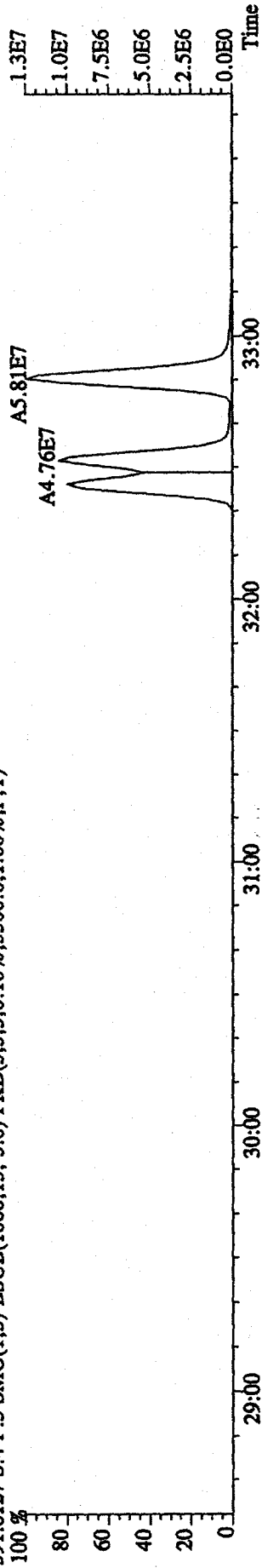
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5368,0,1.00%,F,T)



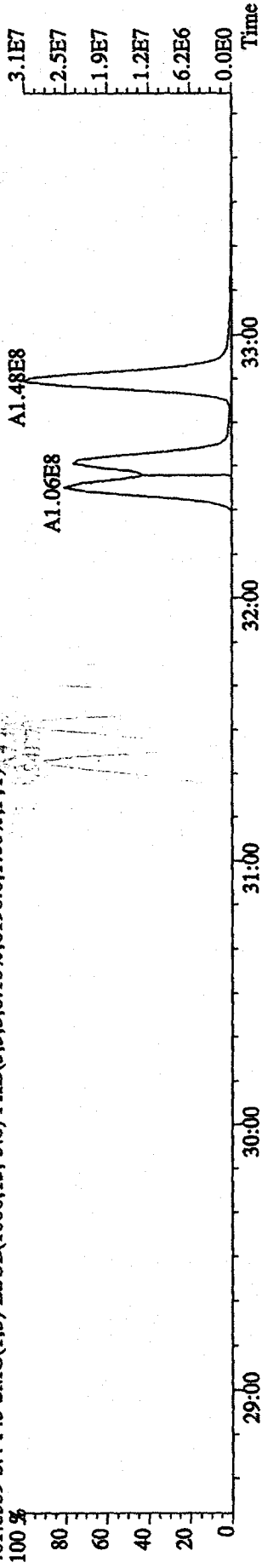
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 389.8157 S:4 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3668.0,1.00%,F,T)



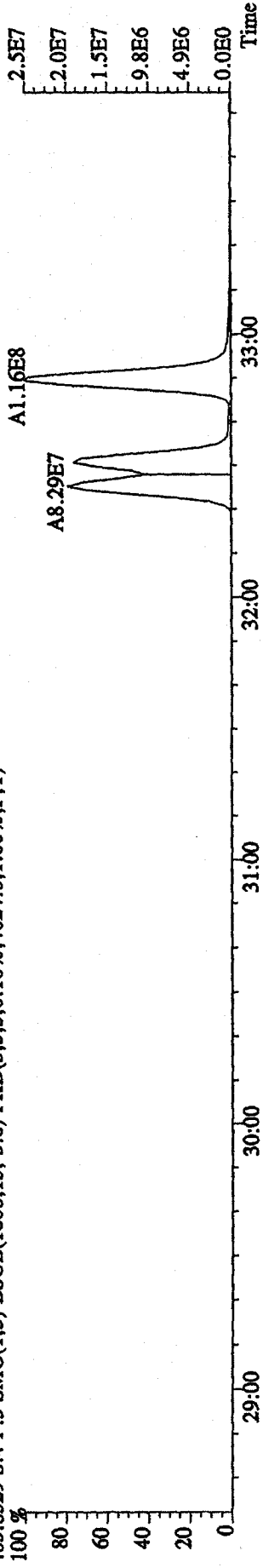
391.8127 S:4 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5300.0,1.00%,F,T)



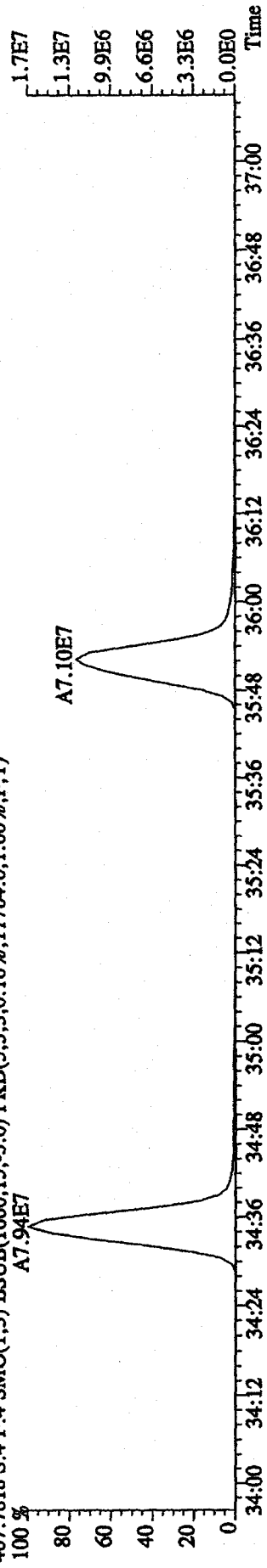
401.8559 S:4 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6196.0,1.00%,F,T)



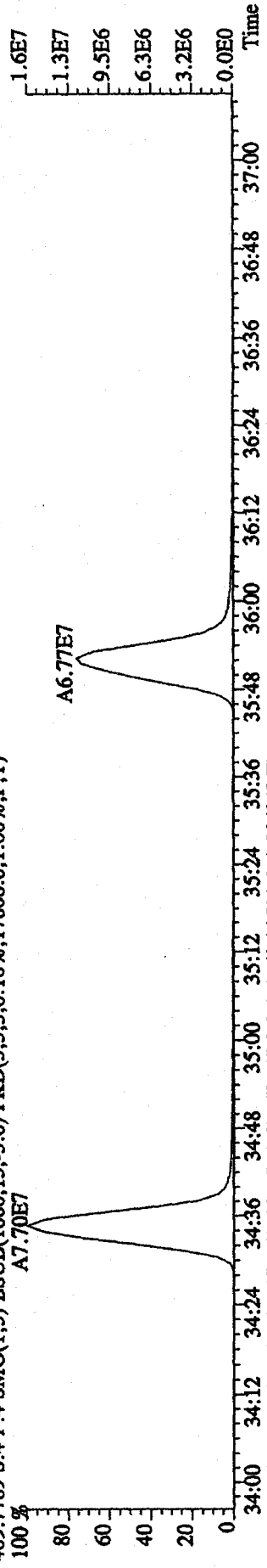
403.8529 S:4 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4024.0,1.00%,F,T)



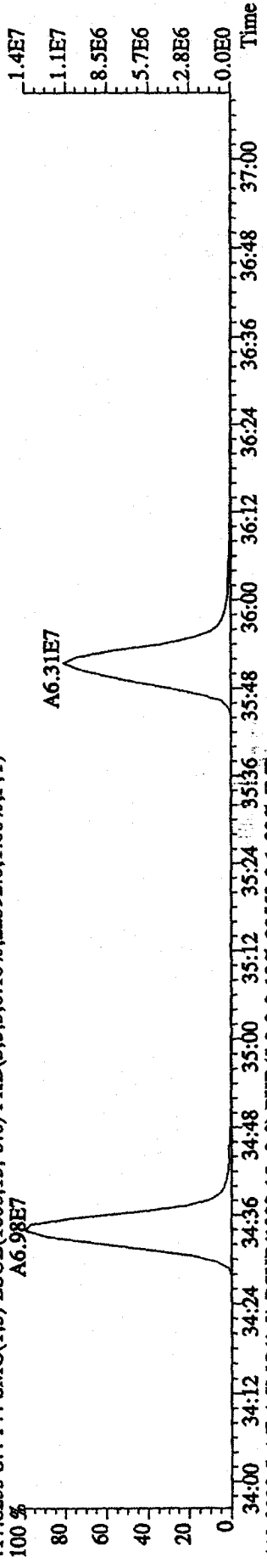
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN  
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11764.0,1.00%,F,T)  
 A7.94E7



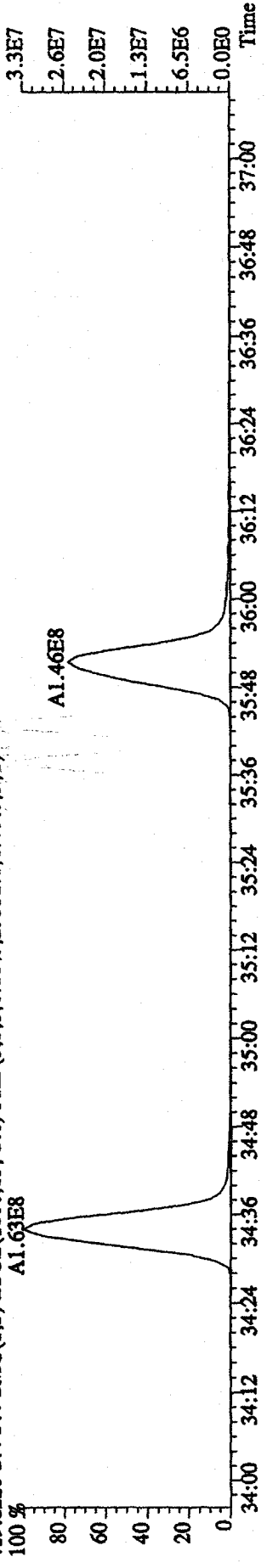
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,17808.0,1.00%,F,T)  
 A7.70E7



417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,22592.0,1.00%,F,T)  
 A6.98E7



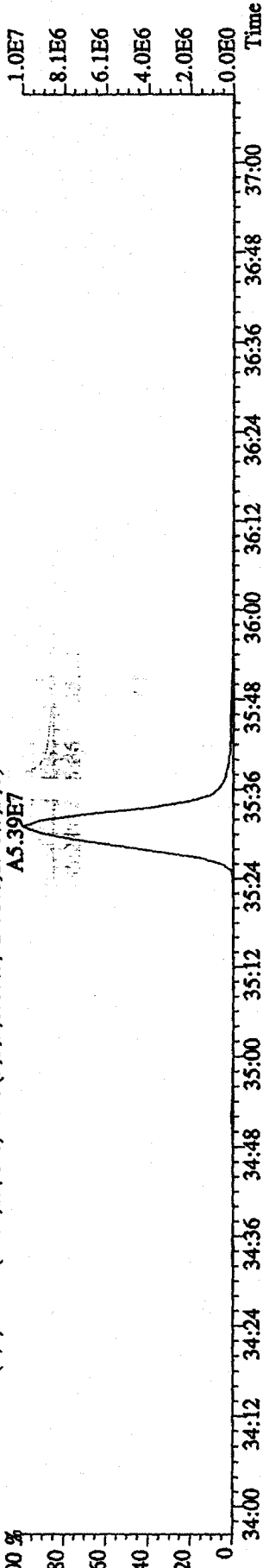
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,29552.0,1.00%,F,T)  
 A1.63E8



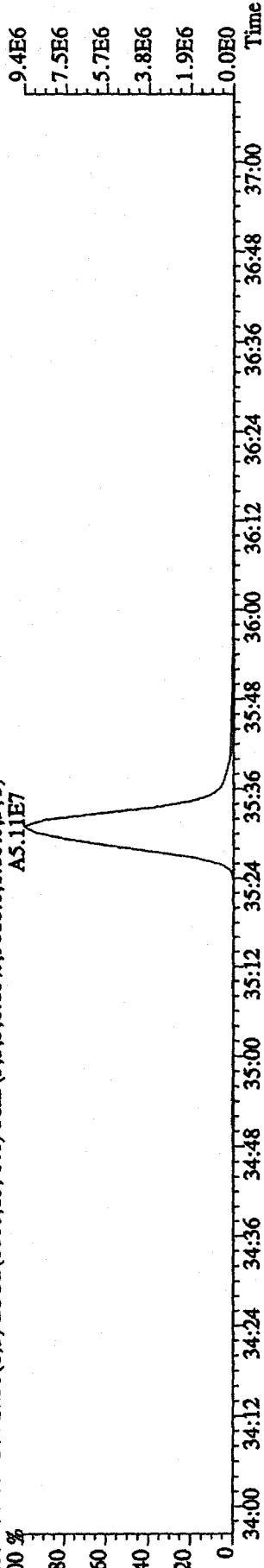


File:3IDE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
Sample#4 Text:ST123ID :CS-3 09DXN425 Exp:DIOXIN

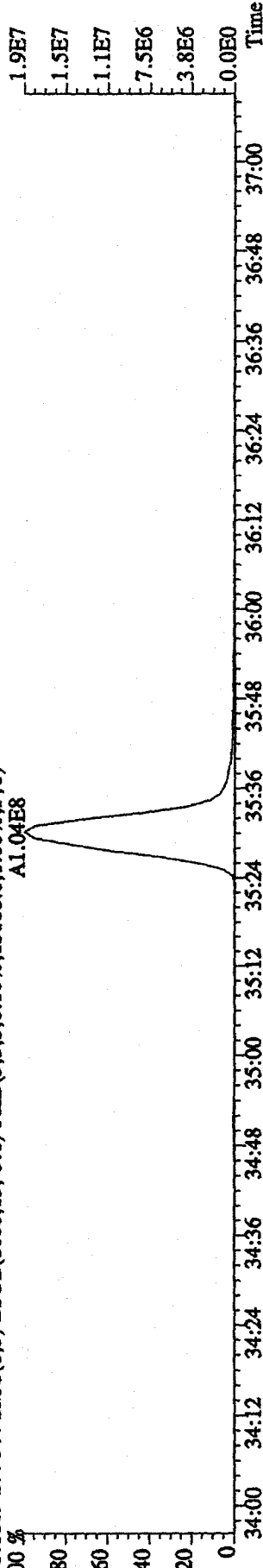
423.7766 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,12792.0,1.00%,F,T)  
A5.39E7



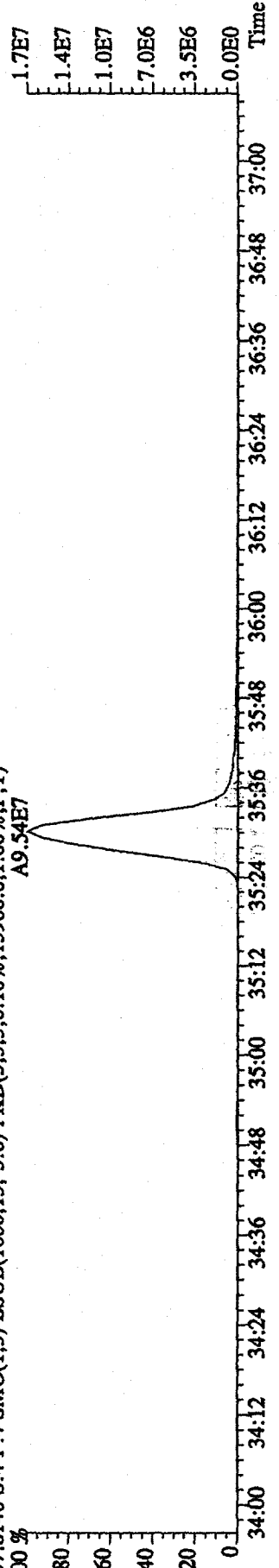
425.7737 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9116.0,1.00%,F,T)  
A5.11E7



435.8169 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,13188.0,1.00%,F,T)  
A1.04E8



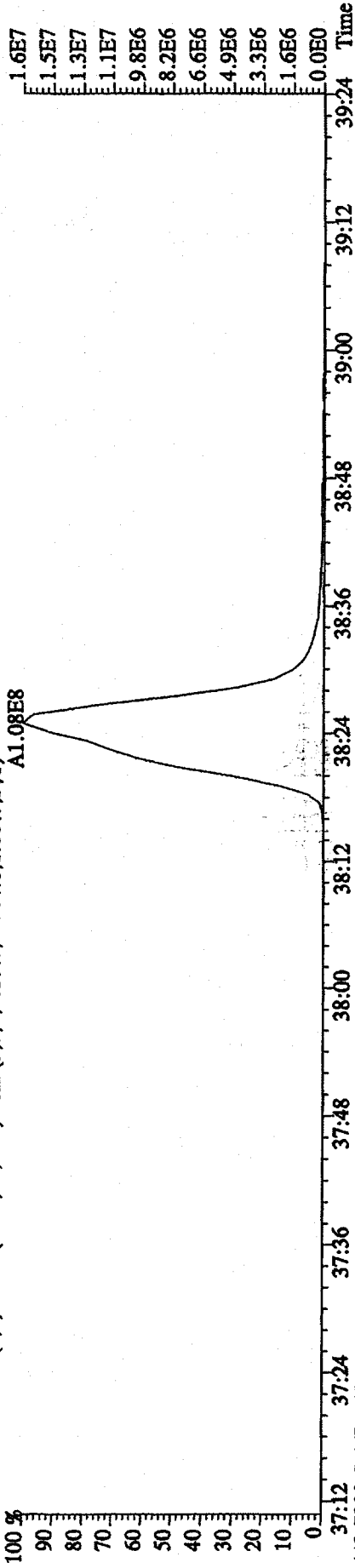
437.8140 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,15988.0,1.00%,F,T)  
A9.54E7



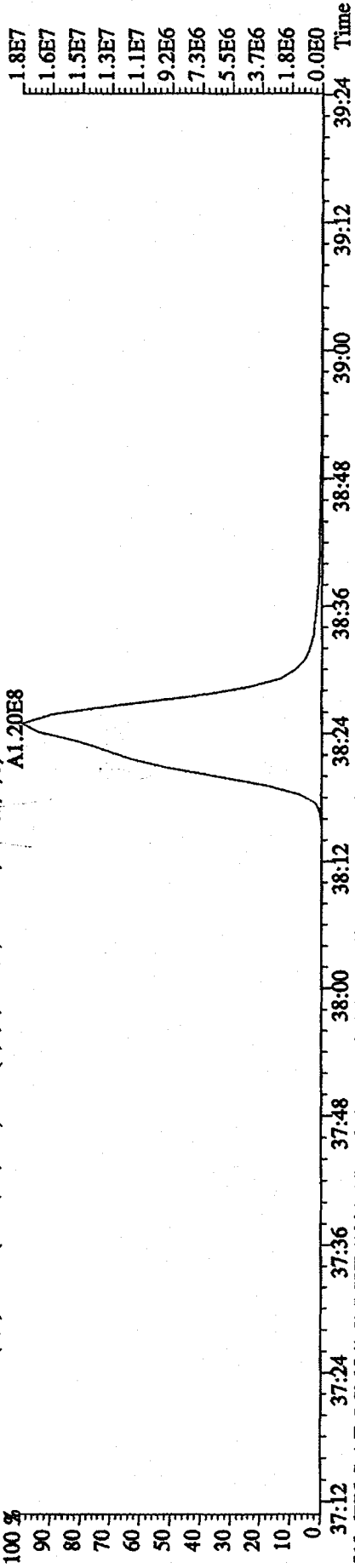
File:3IDE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

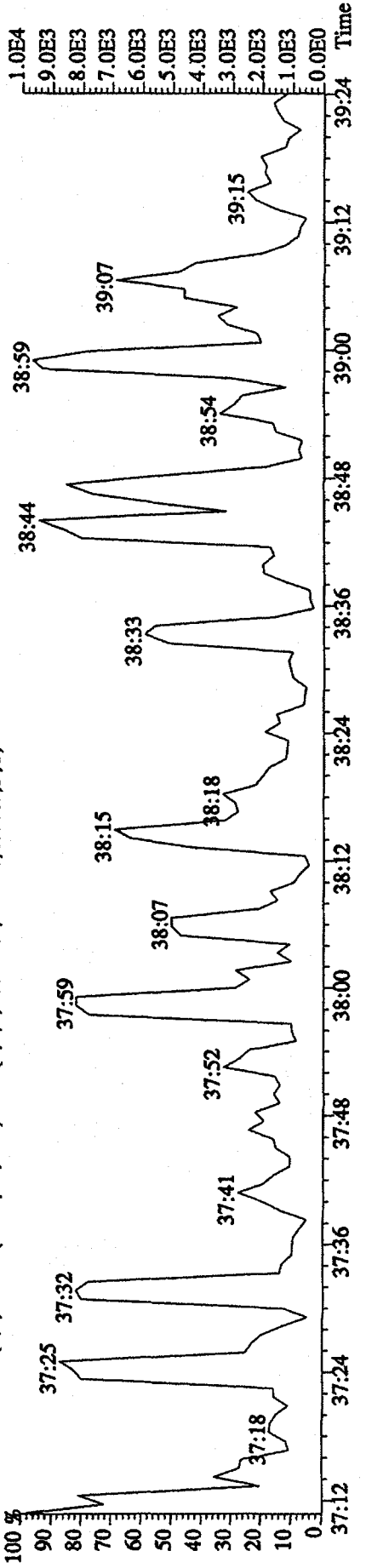
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10364,0.1,00%,F,T)



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11244,0.1,00%,F,T)



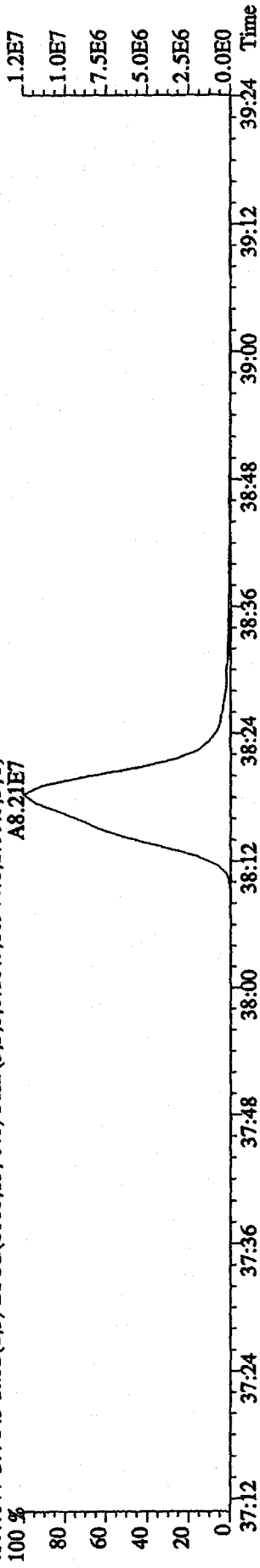
513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100.00%,1912,0.1,00%,F,T)



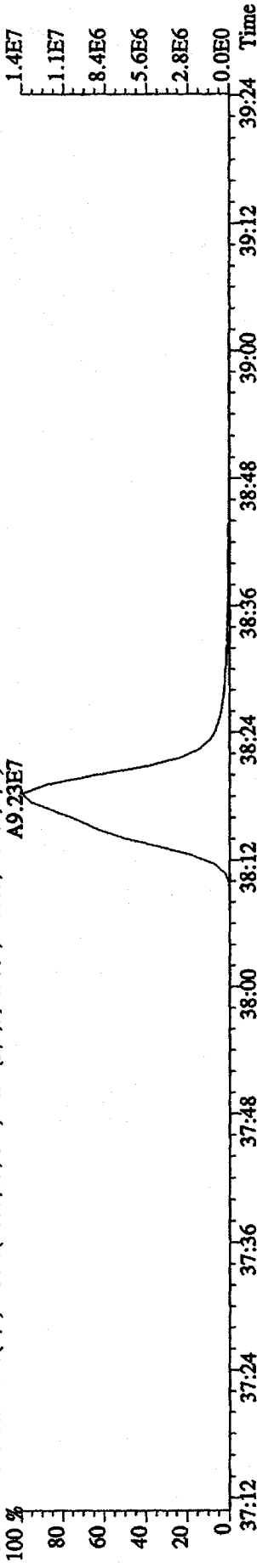
File:31DE09AID5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

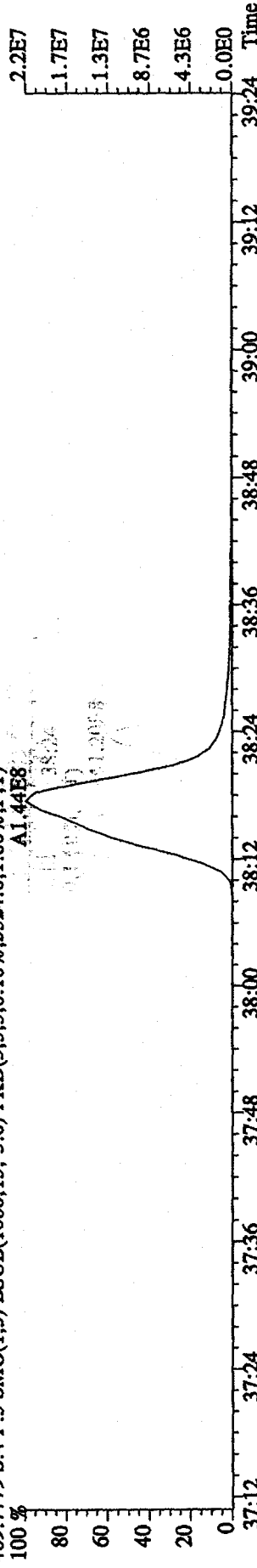
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18944.0,1.00%,F,T) A8.21E7



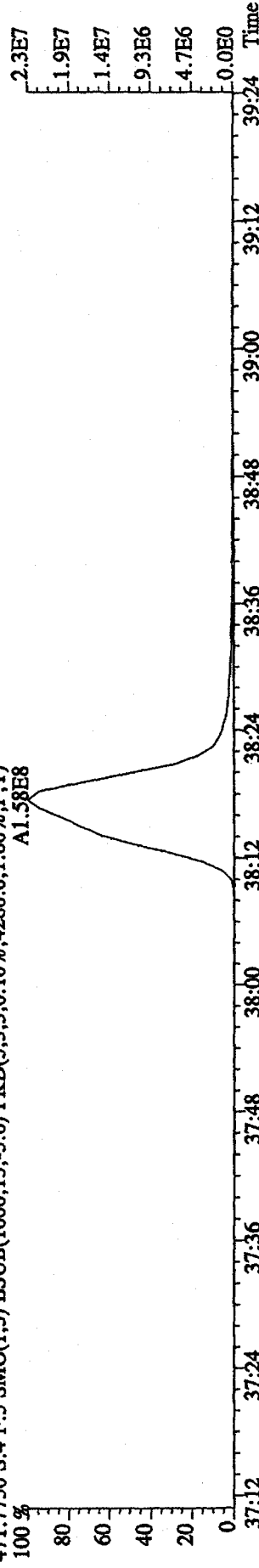
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T) A9.23E7



469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5524.0,1.00%,F,T) A1.44E8



471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4280.0,1.00%,F,T) A1.58E8

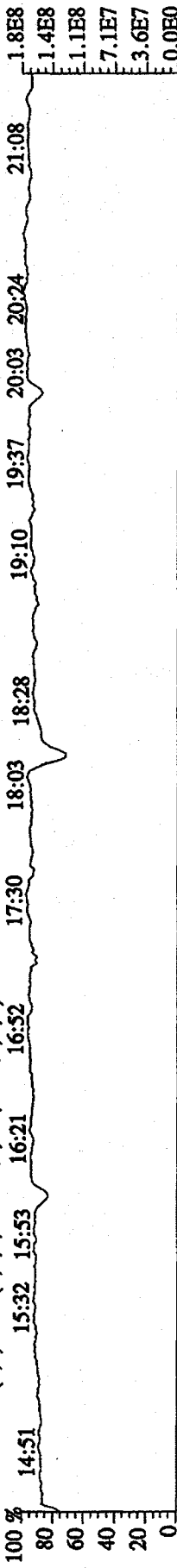


File:31DE09AID5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

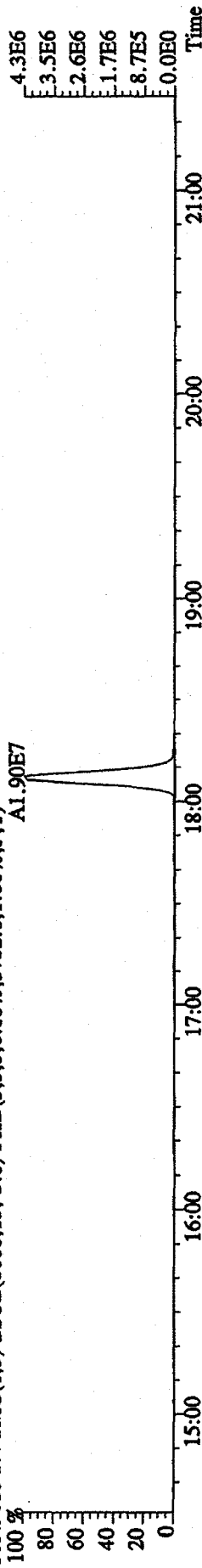
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

100 % 15:32 15:53 16:21 16:52 17:30 18:03 18:28 19:10 19:37 20:03 20:24 21:08



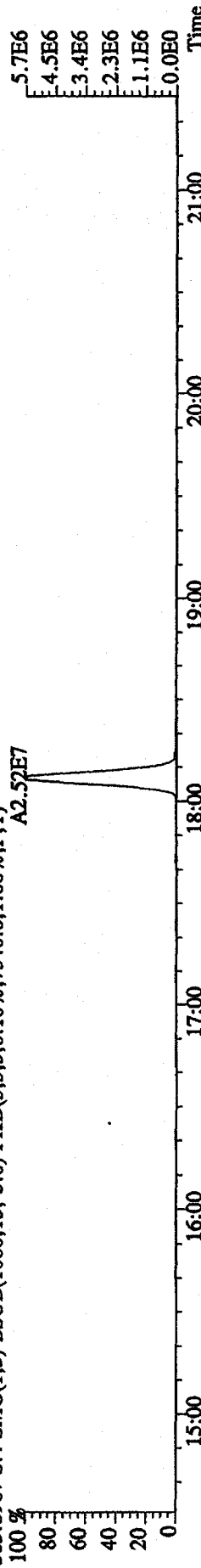
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 18:00 A1.90E7



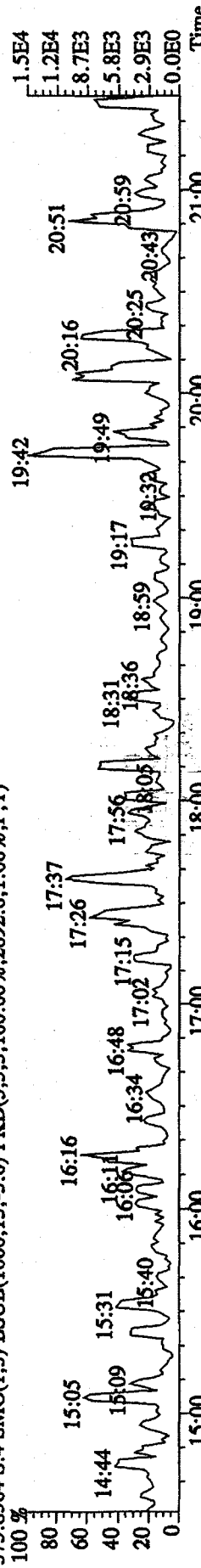
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 18:00 A2.52E7



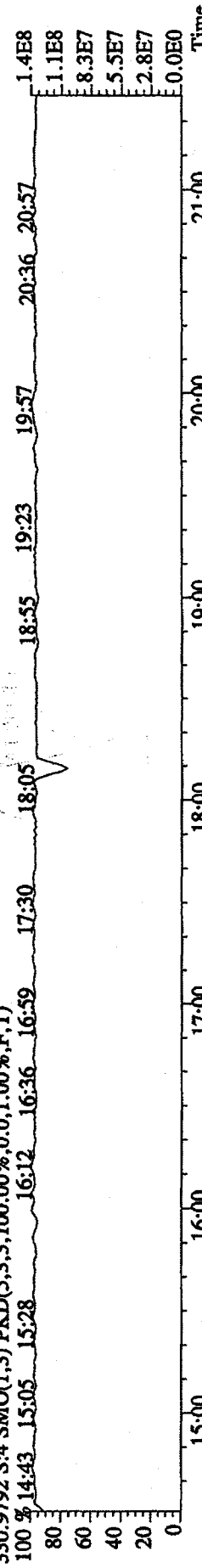
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2692.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 18:00



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

100 % 14:43 15:05 15:28 16:12 16:36 16:59 17:30 18:05 18:55 19:23 19:57 20:36 20:57

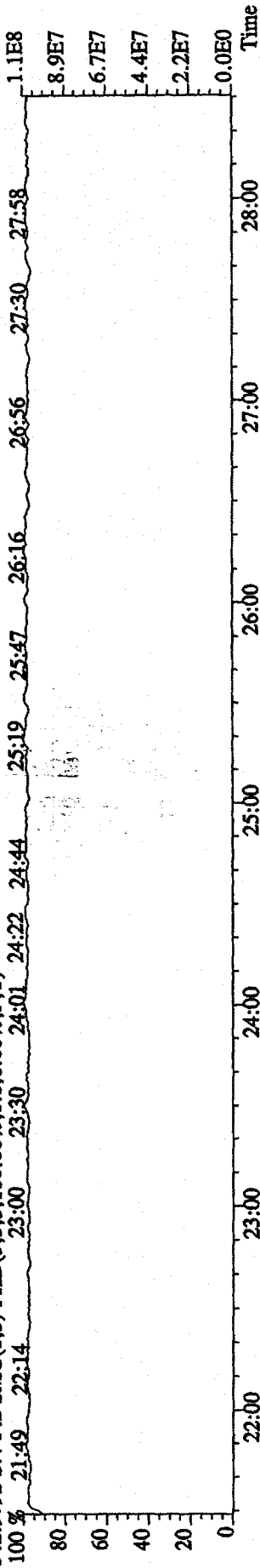


File:31DE09AID5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

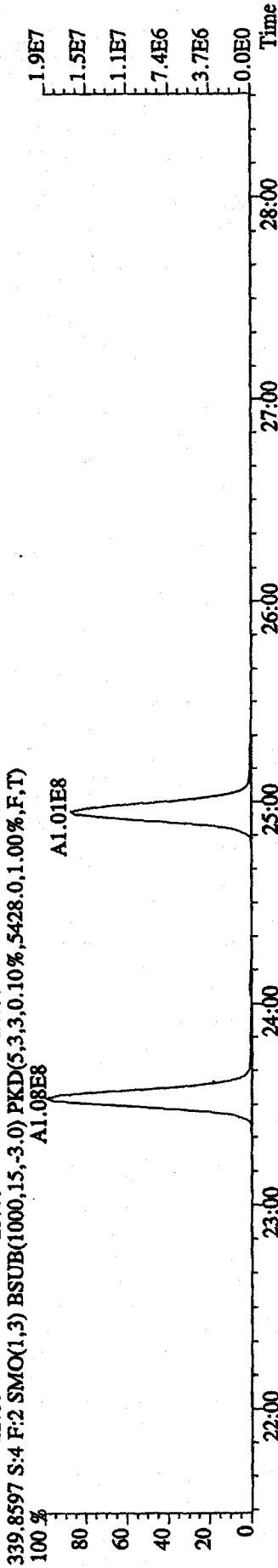
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



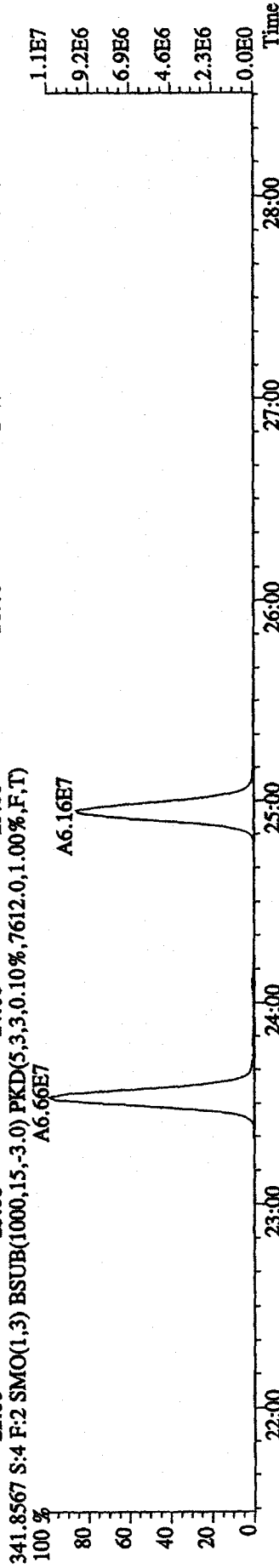
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)

A1.08E8 A1.01E8



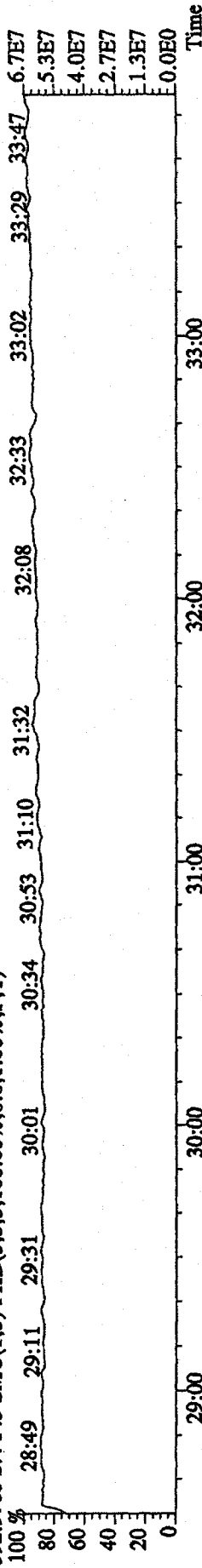
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)

A6.60E7 A6.16E7

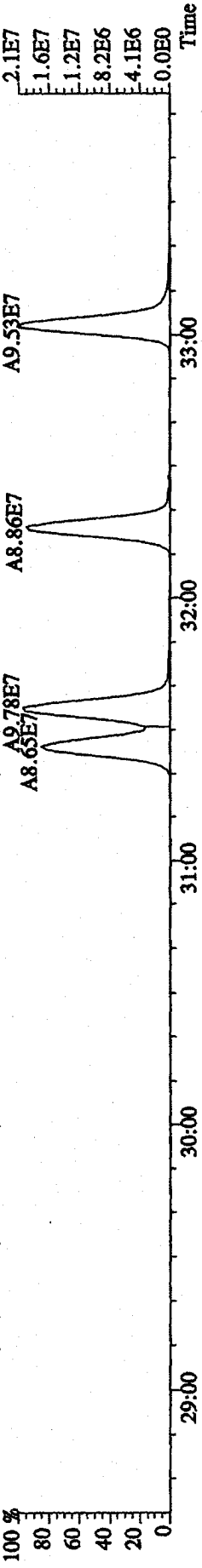


409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1580.0,1.00%,F,T)

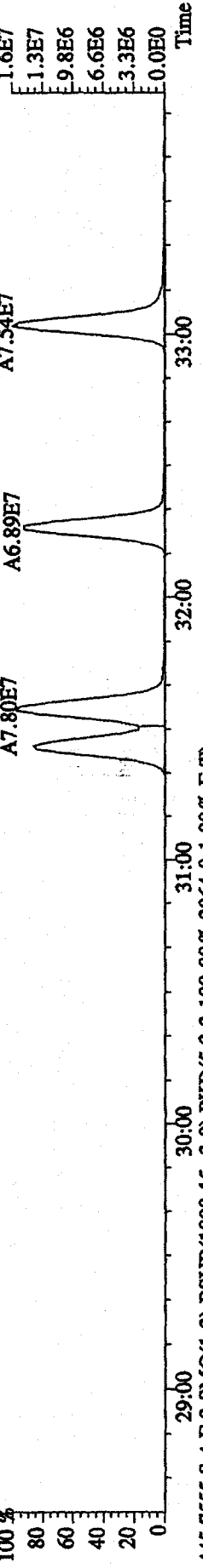
File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE  
 Sample#4 Text: ST1231D :CS-3 09DXN425 Exp: DIOXIN  
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



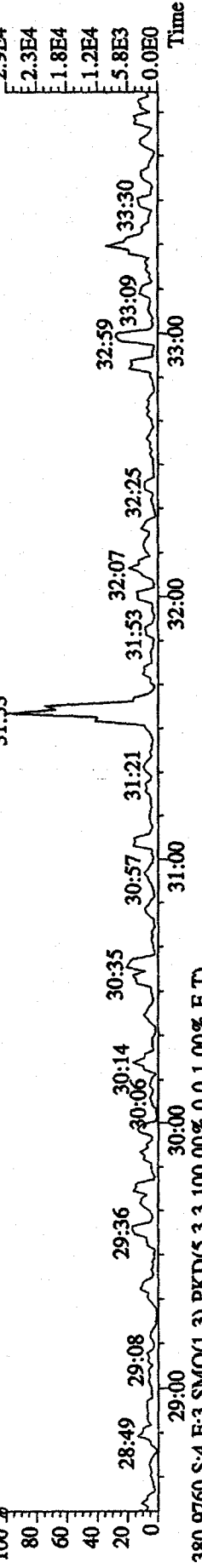
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



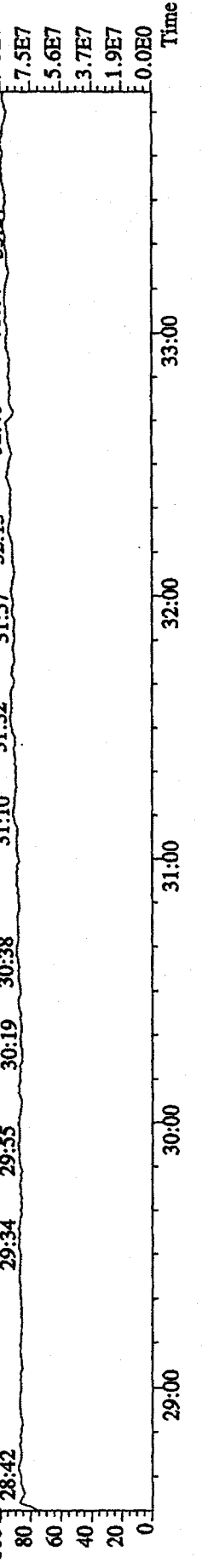
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)



445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2064.0,1.00%,F,T)



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

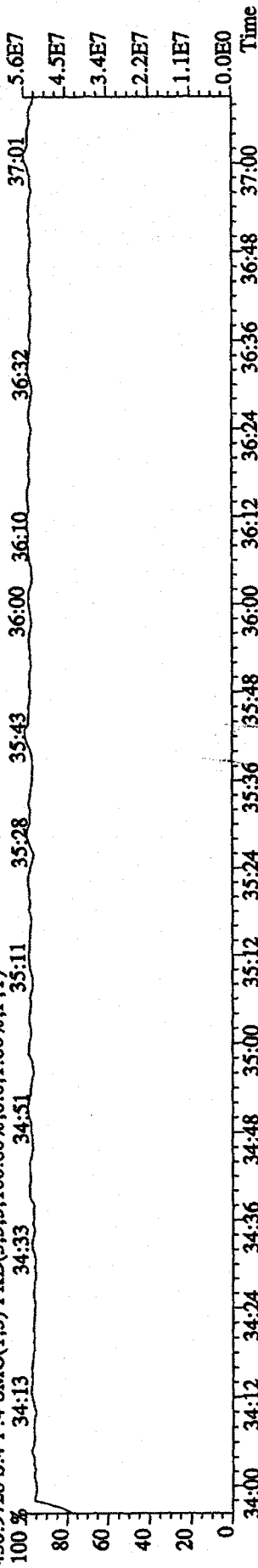


File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D ;CS-3 09DXN425 Exp:DIOXIN

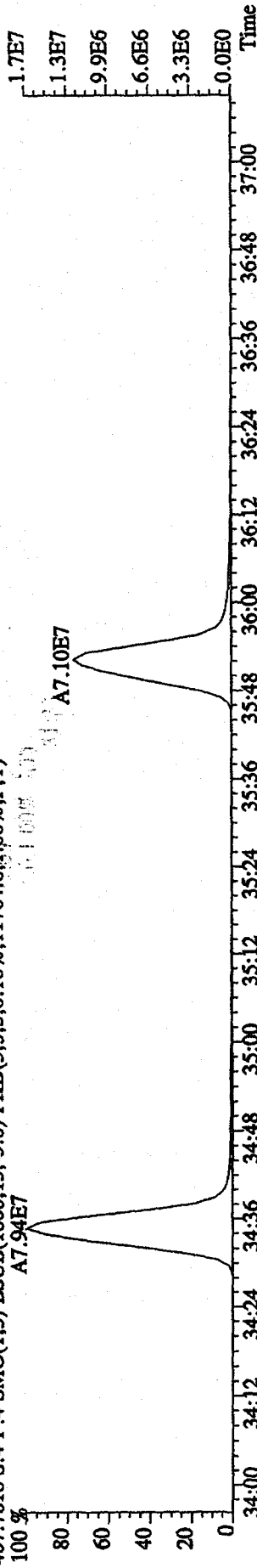
430.9728 S:4 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)

100 % 34:13 34:33 34:51 35:11 35:28 35:43 36:00 36:10 36:32 37:01



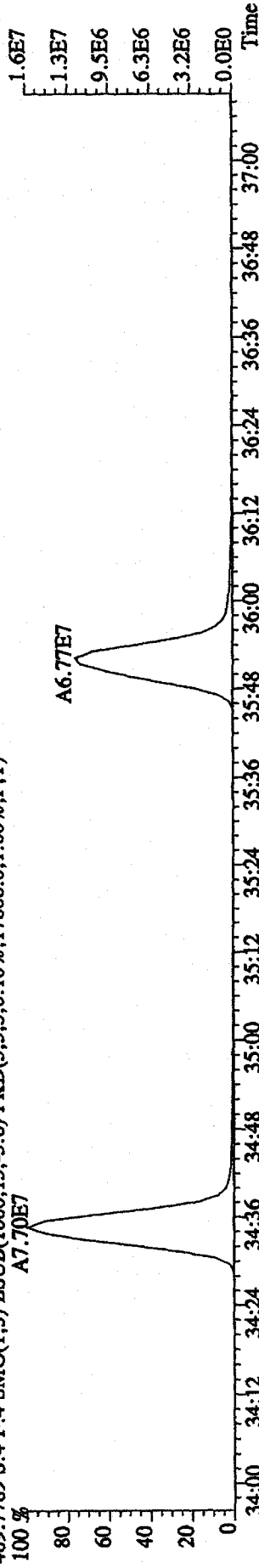
407.7818 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0.10%,1.1764,0.1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



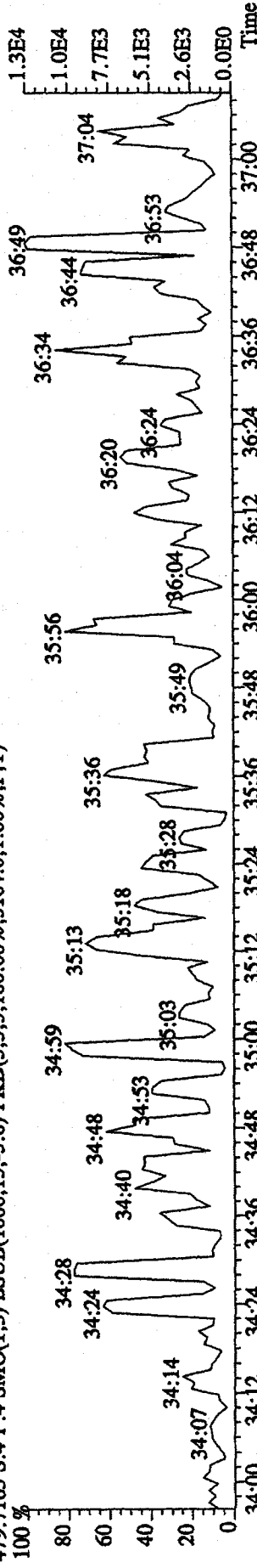
409.7789 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0.10%,1.7808,0.1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



479.7165 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100.00%,3.164,0.1.00%,F,T)

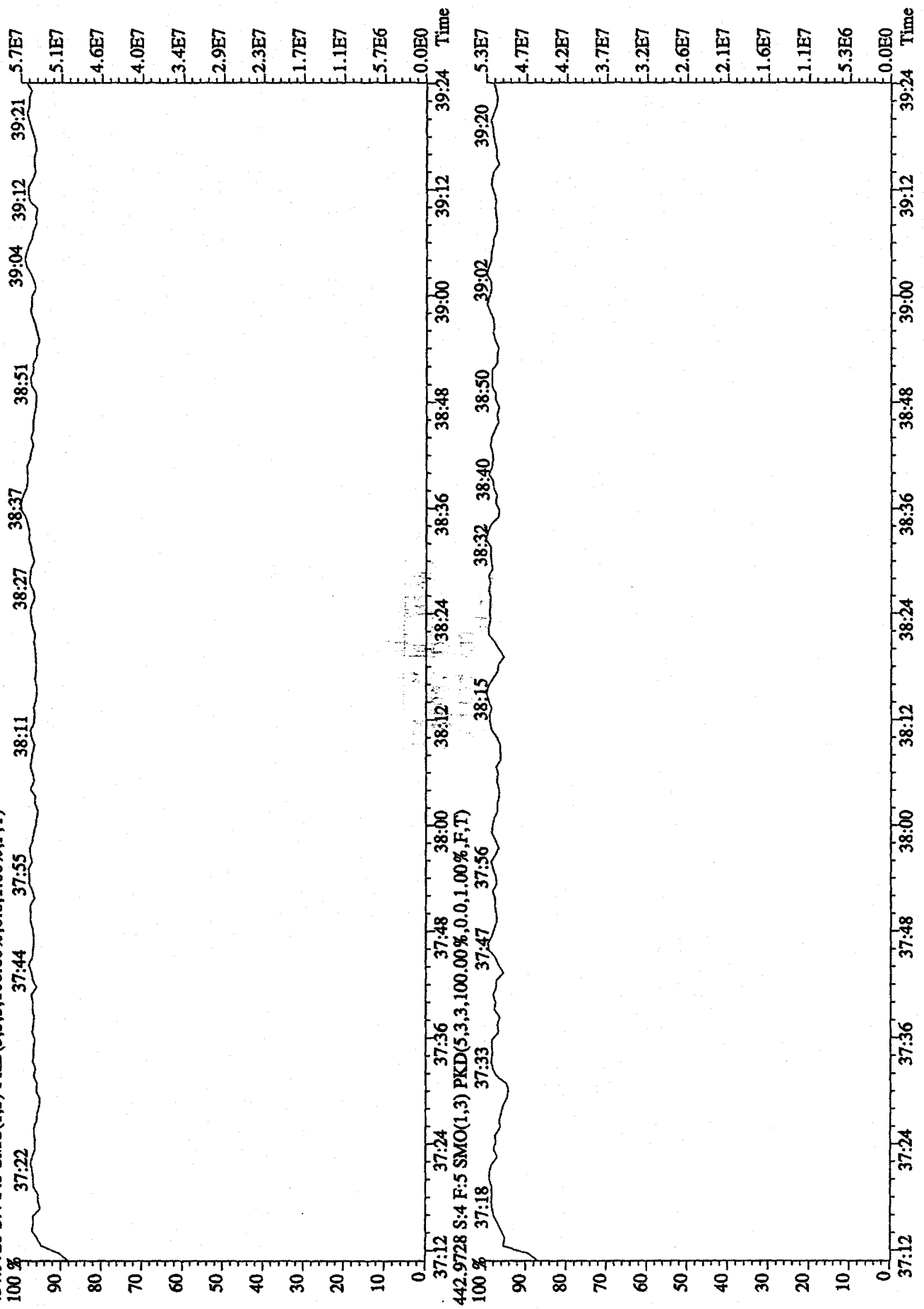
100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

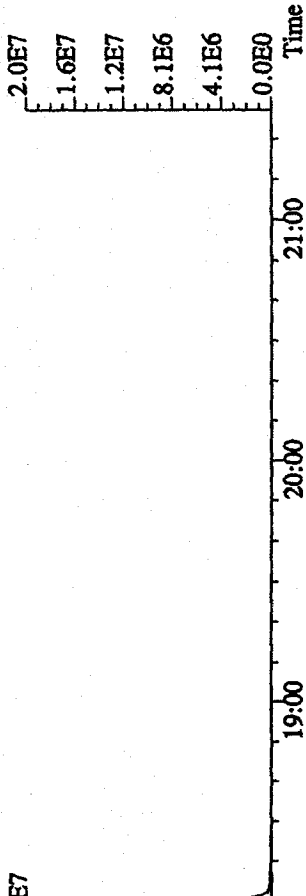
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



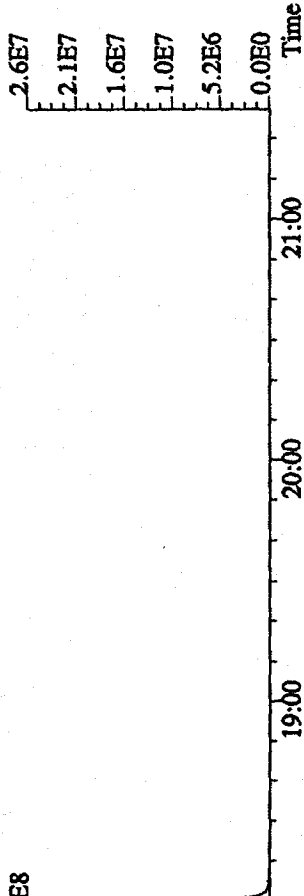


File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

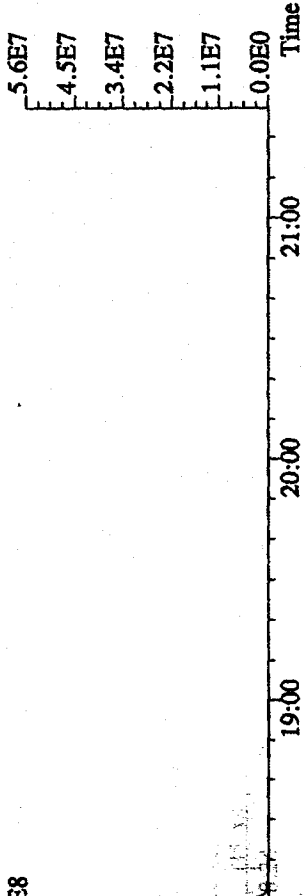
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)  
100% A8.72E7



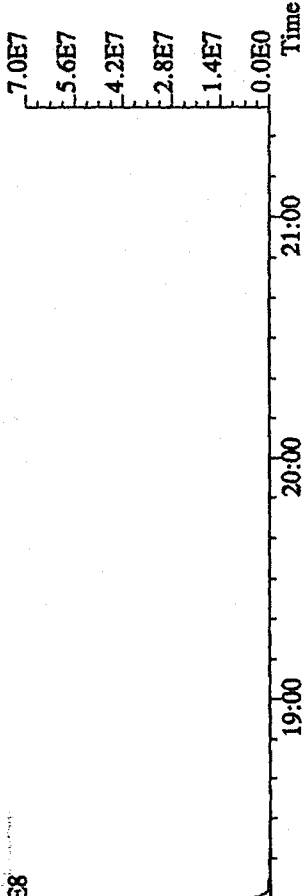
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7356.0,1.00%,F,T)  
100% A1.14E8



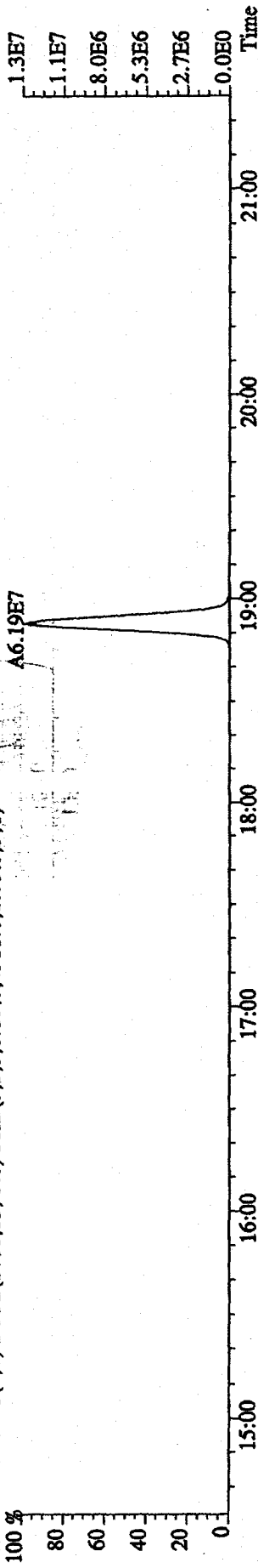
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13056.0,1.00%,F,T)  
100% A2.45E8



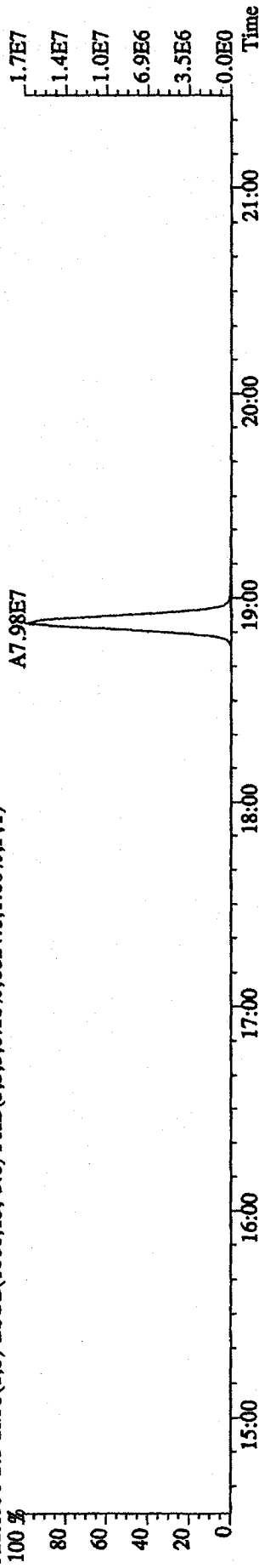
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12436.0,1.00%,F,T)  
100% A3.07E8



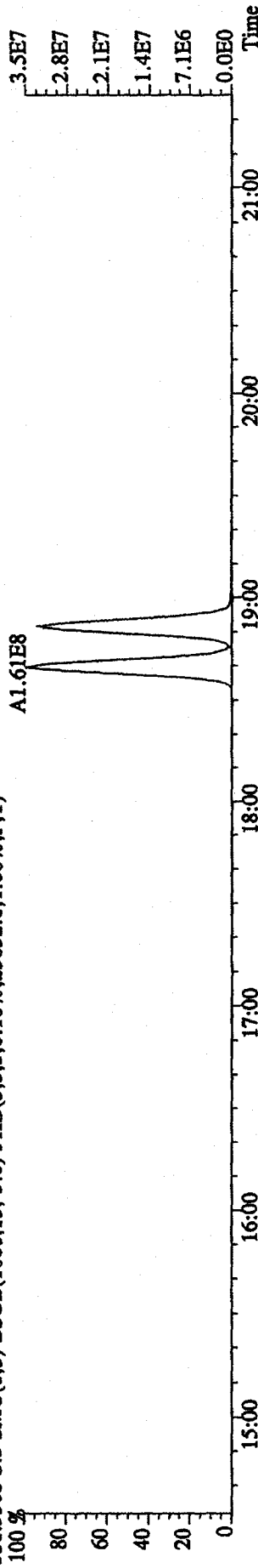
File: 31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN  
 319.8965 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4916.0,1.00%,F,T)



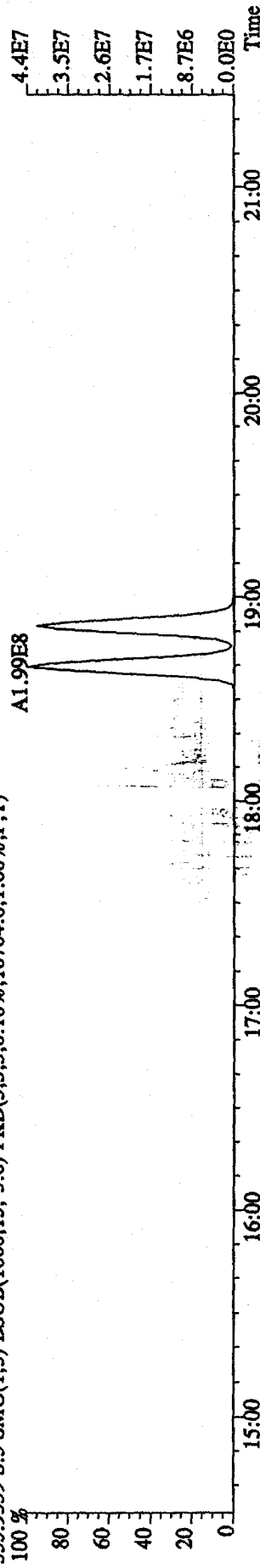
321.8936 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)



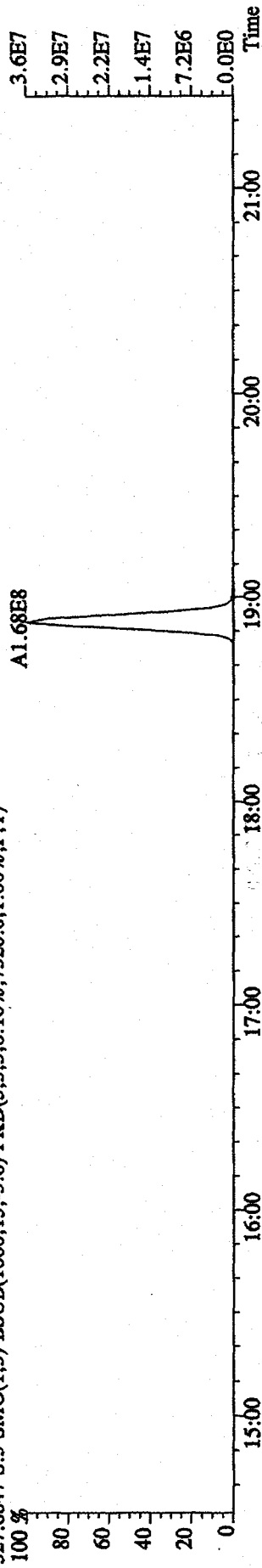
331.9368 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)



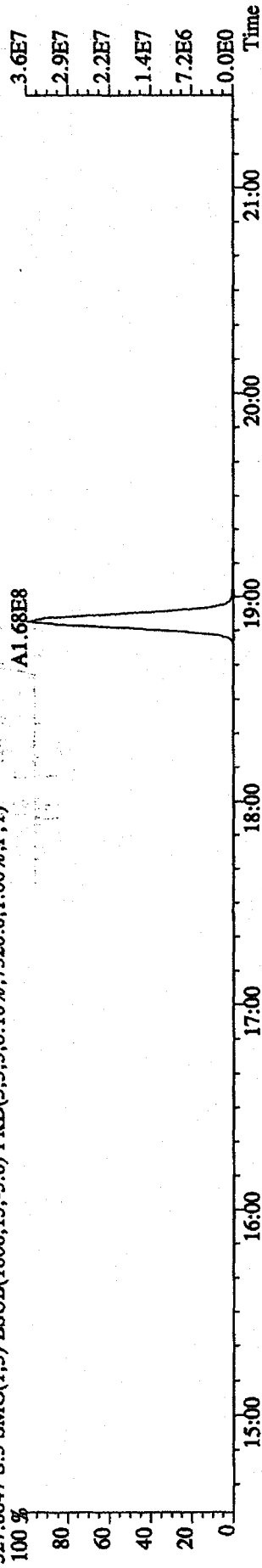
333.9339 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)



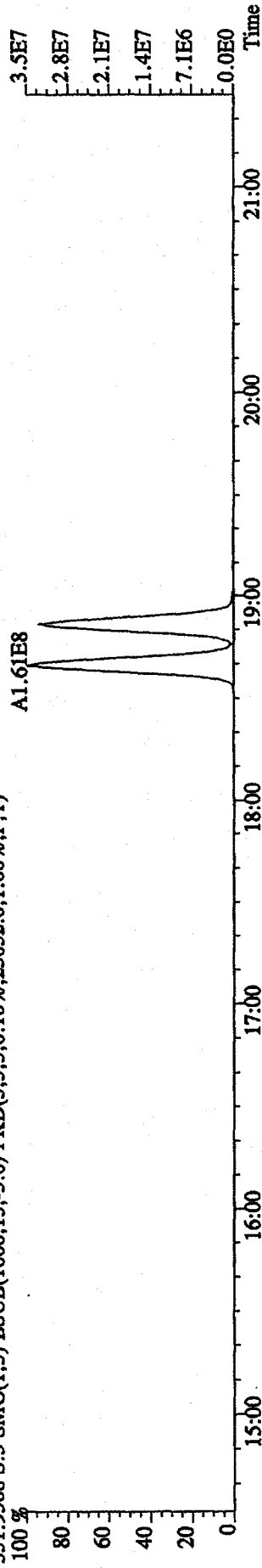
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)



327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)

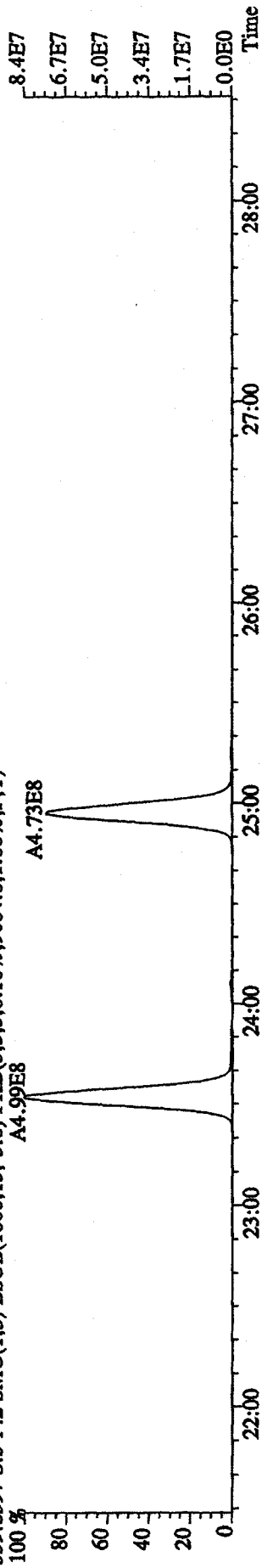


331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)

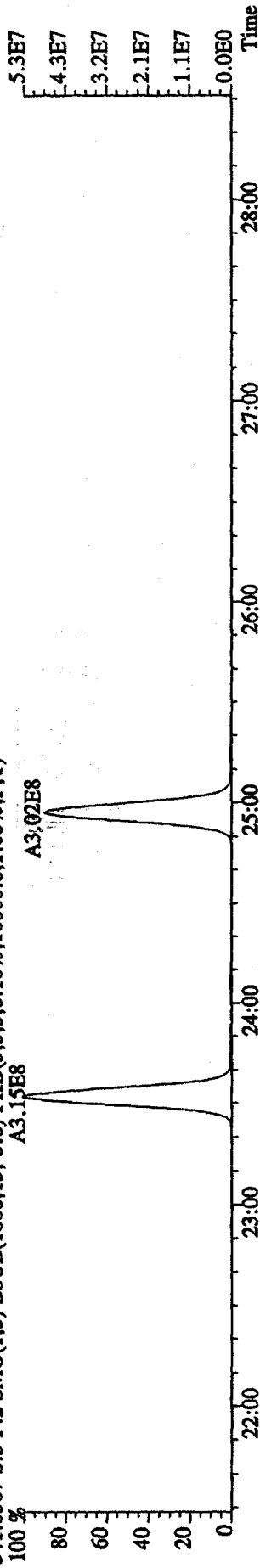


333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)

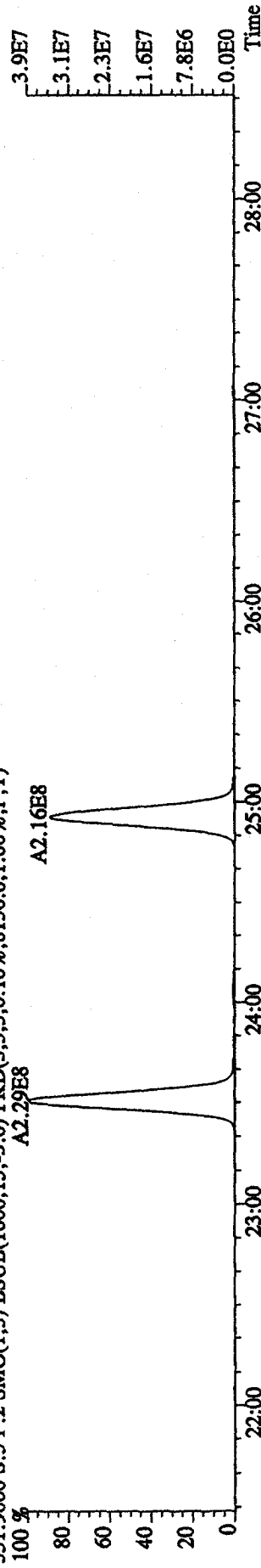
File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9004,0,1,00%,F,T)  
 A4.99E8  
 A4.73E8



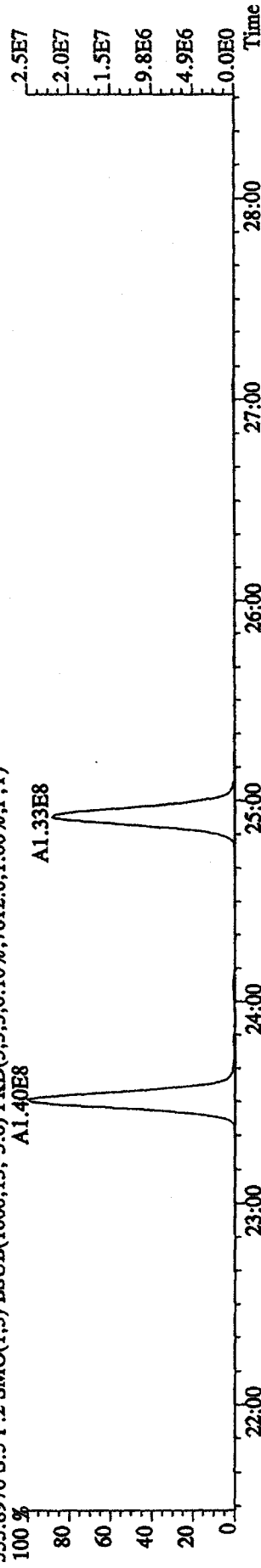
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10060,0,1,00%,F,T)  
 A3.15E8  
 A3.02E8



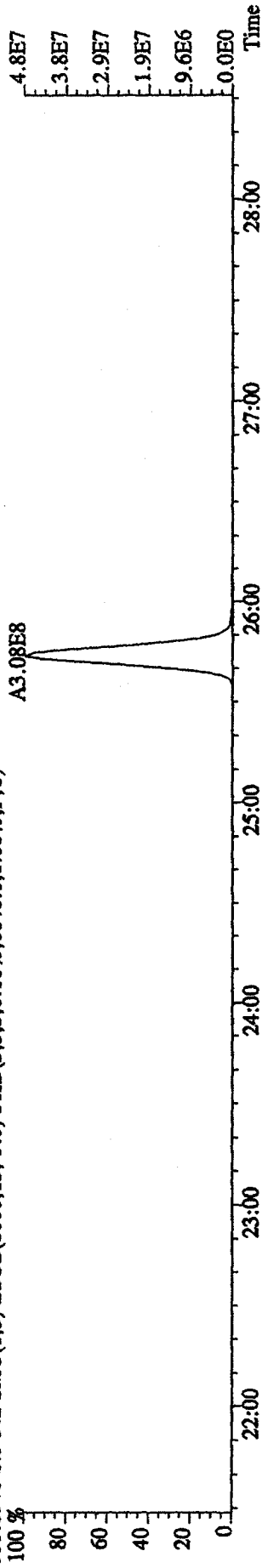
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8136,0,1,00%,F,T)  
 A2.29E8  
 A2.16E8



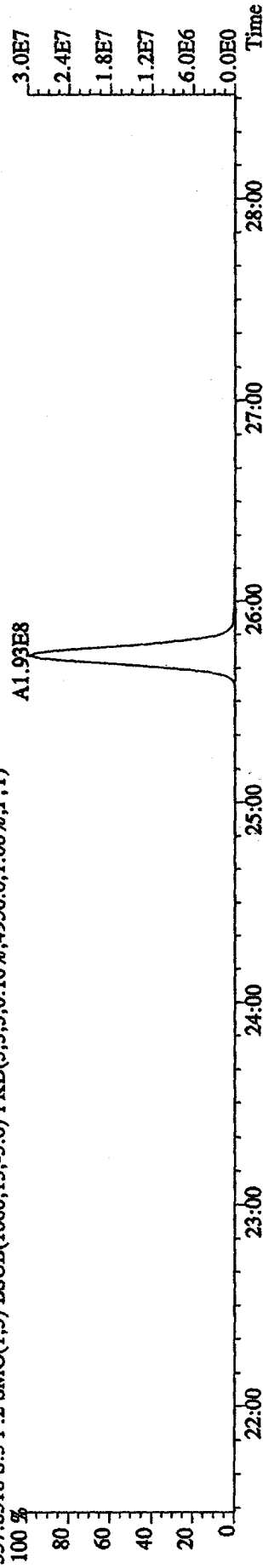
353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7612,0,1,00%,F,T)  
 A1.40E8  
 A1.33E8



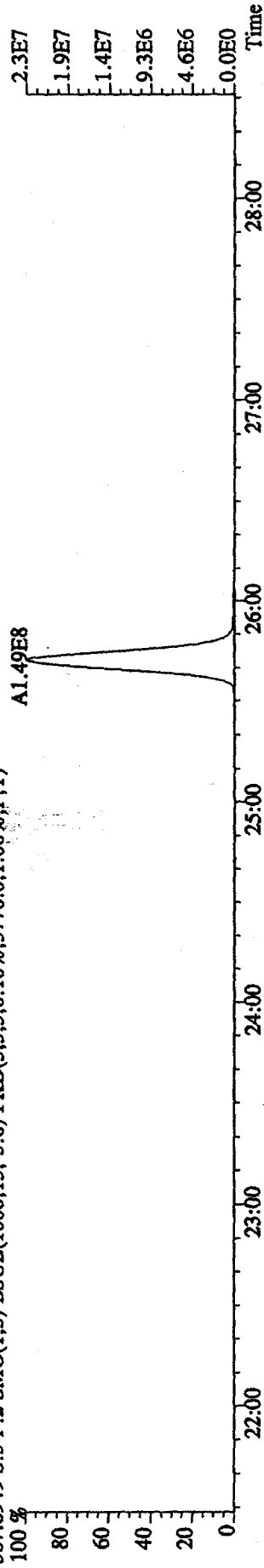
File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6848.0,1.00%,F,T)



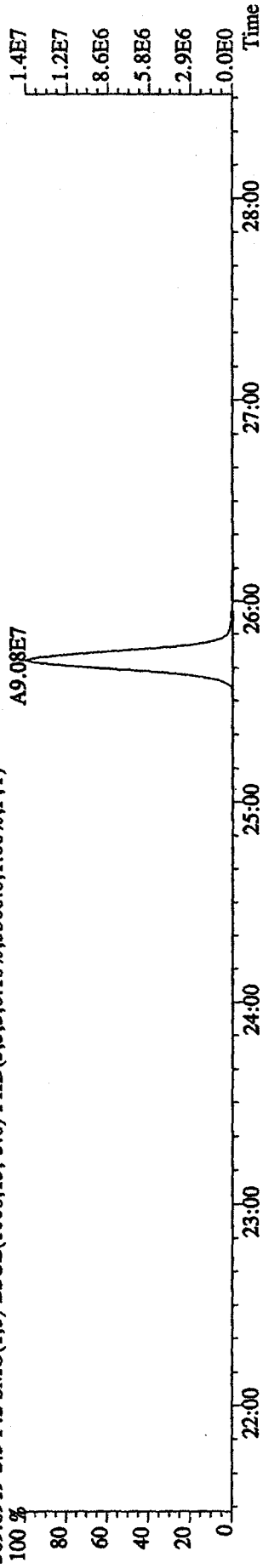
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



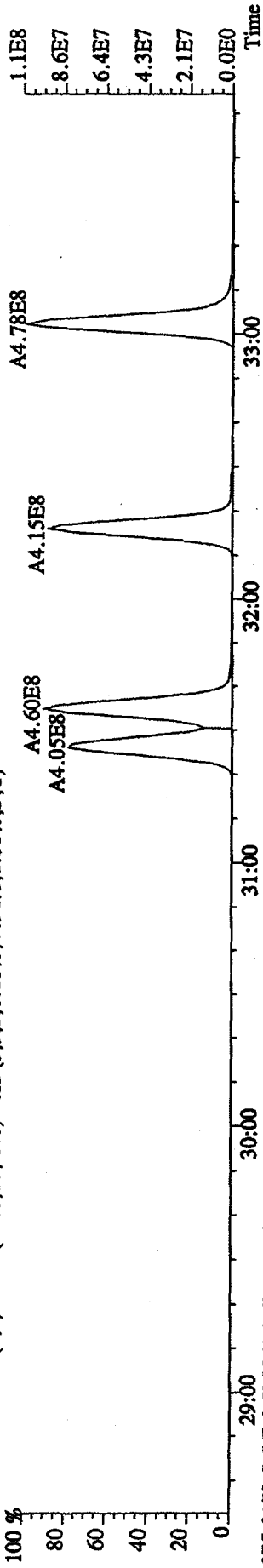
367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5776.0,1.00%,F,T)



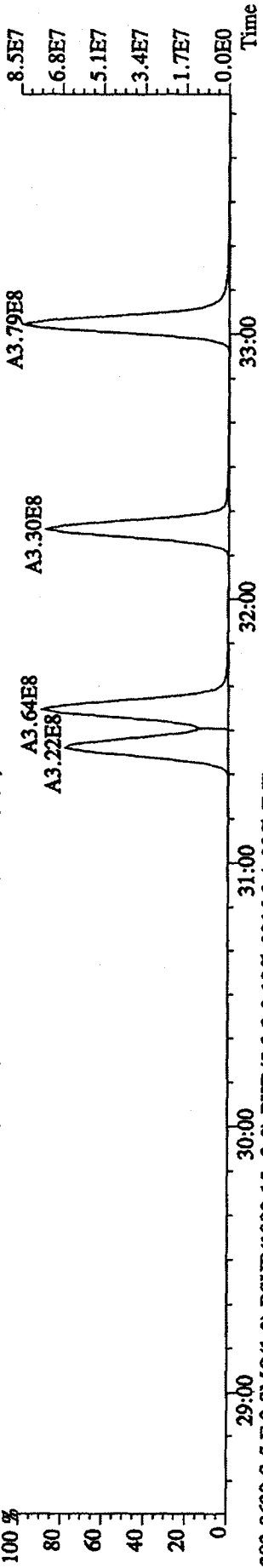
369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3500.0,1.00%,F,T)



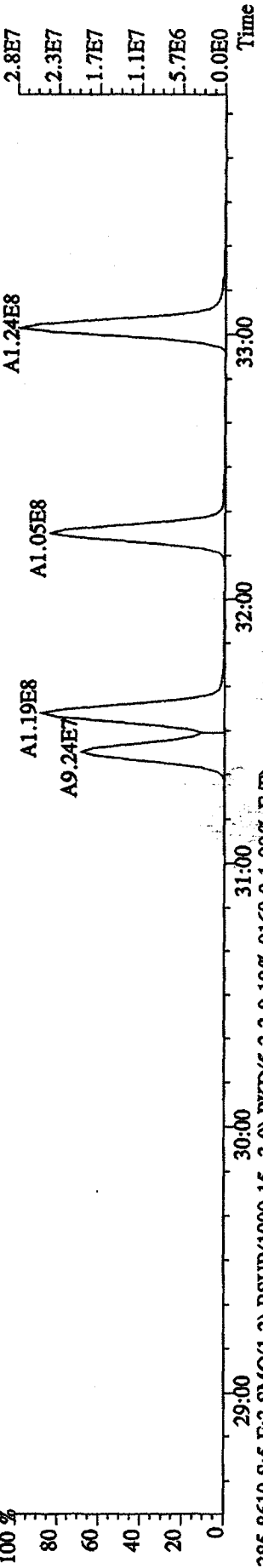
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



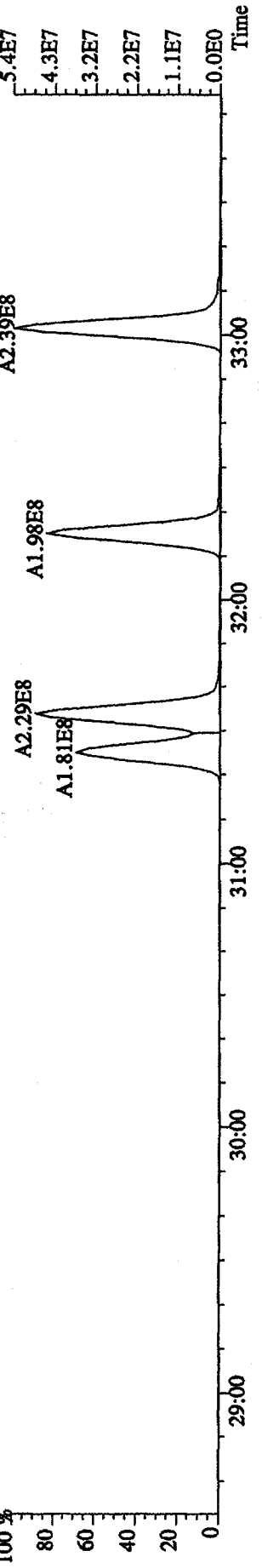
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



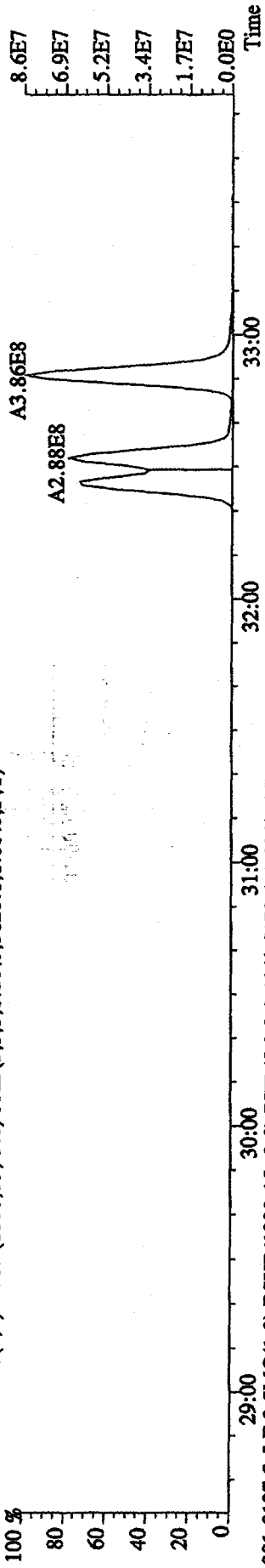
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



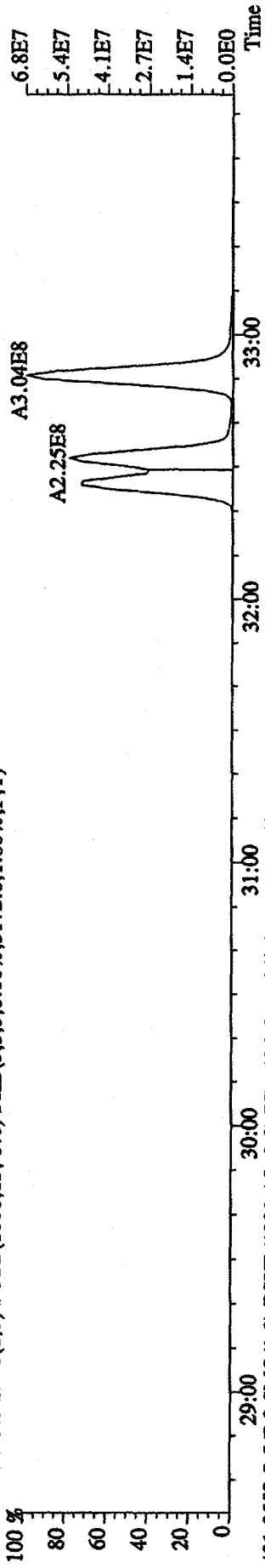
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9160.0,1.00%,F,T)



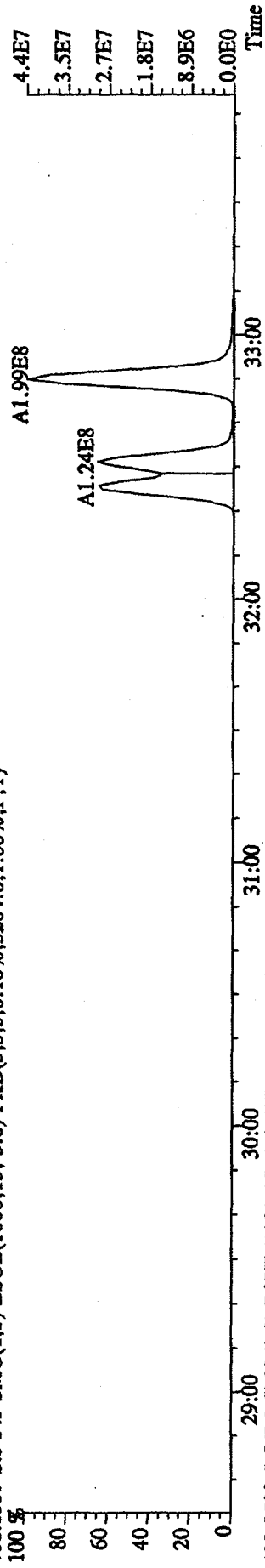
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3028.0,1.00%,F,T)



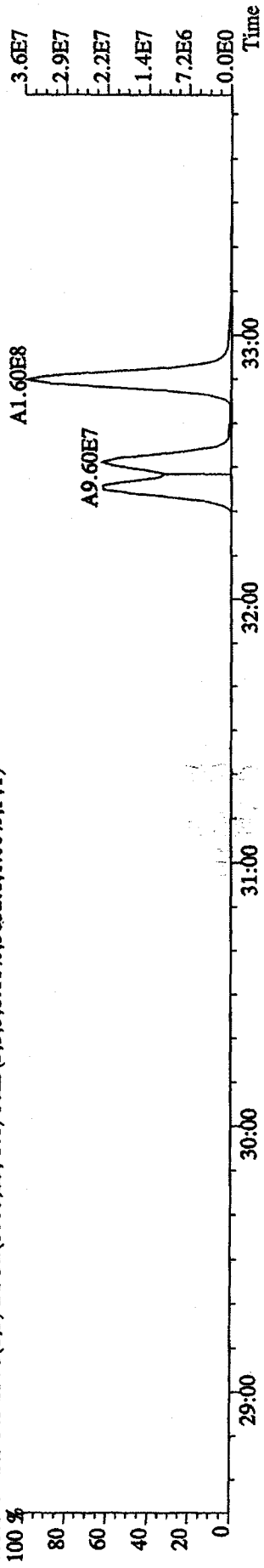
391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5172.0,1.00%,F,T)



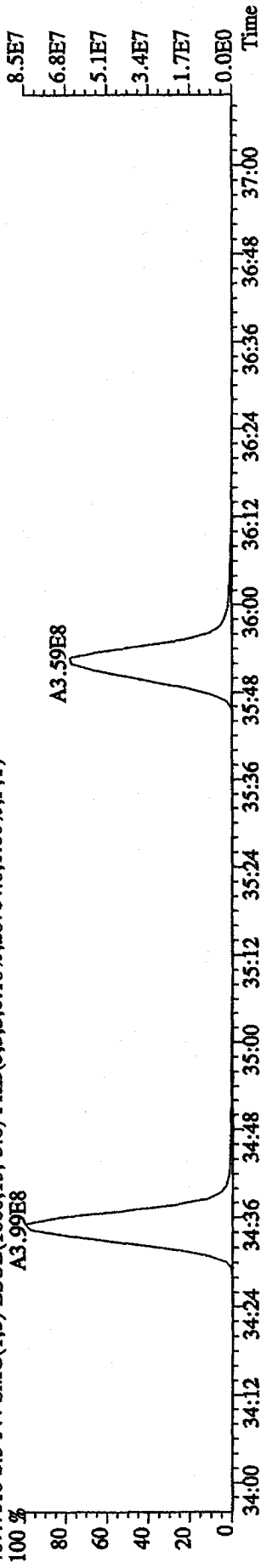
401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3204.0,1.00%,F,T)



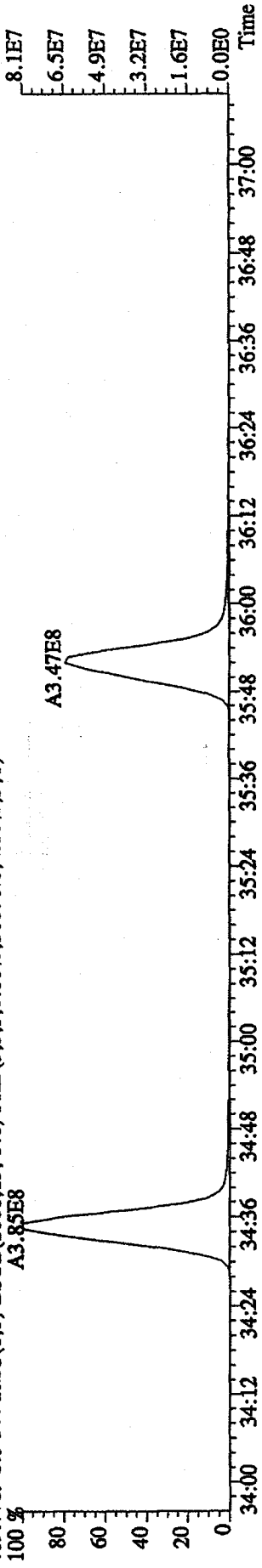
403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3632.0,1.00%,F,T)



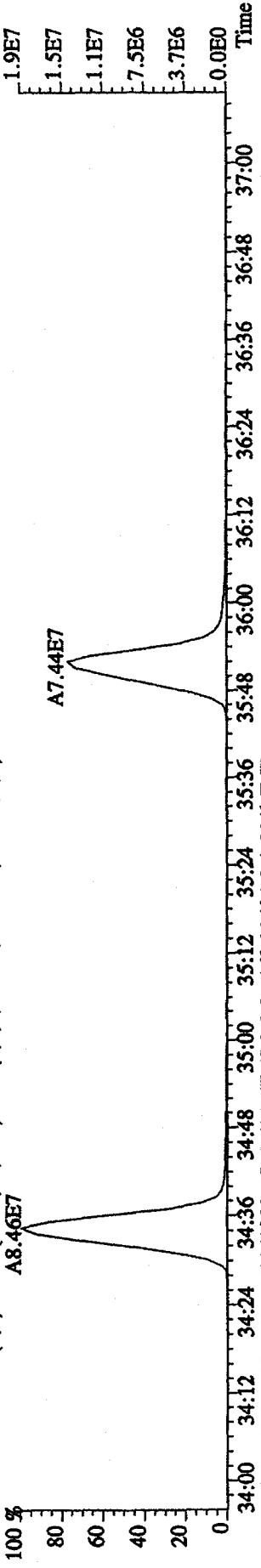
File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26764.0,1.00%,F,T)  
 A3.99E8



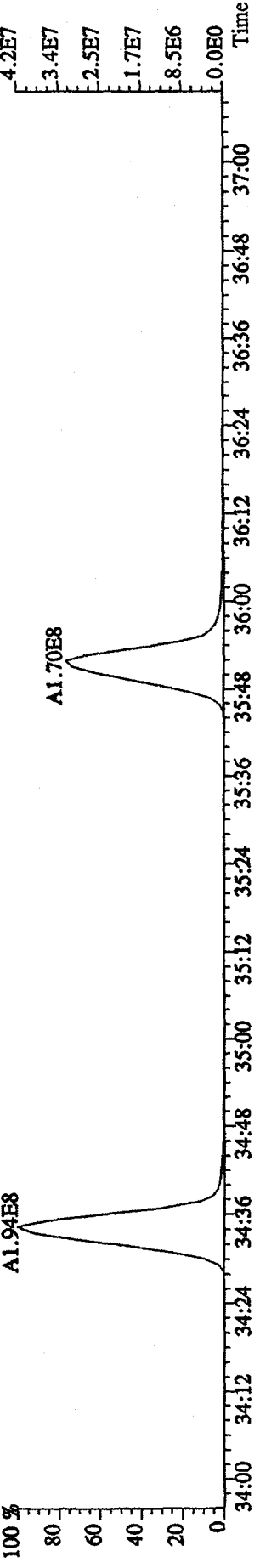
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26820.0,1.00%,F,T)  
 A3.85E8



417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16732.0,1.00%,F,T)  
 A8.46E7



419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30424.0,1.00%,F,T)  
 A1.94E8



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 %

8.5E7

6.8E7

5.1E7

3.4E7

1.7E7

0.0E0

Time

34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00

A3.59E8

100 %

8.1E7

6.5E7

4.9E7

3.2E7

1.6E7

0.0E0

Time

34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00

A3.47E8

100 %

1.9E7

1.5E7

1.1E7

7.5E6

3.7E6

0.0E0

Time

34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00

A7.44E7

100 %

4.2E7

3.4E7

2.5E7

1.7E7

8.5E6

0.0E0

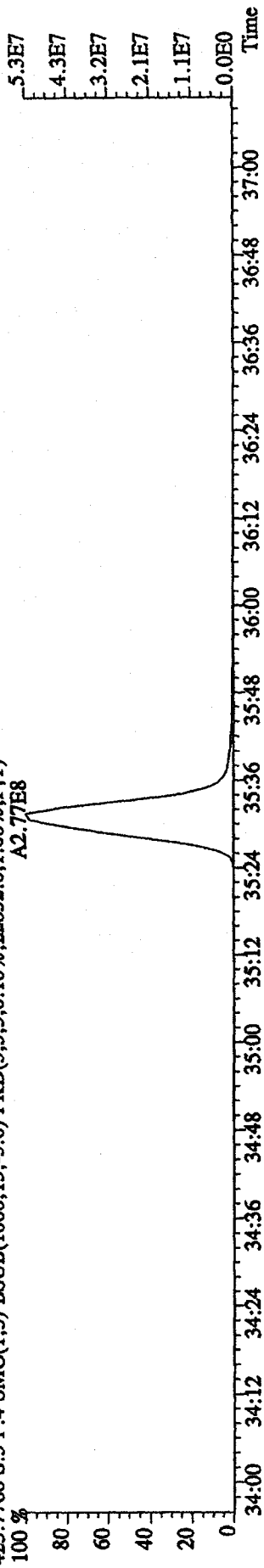
Time

34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00

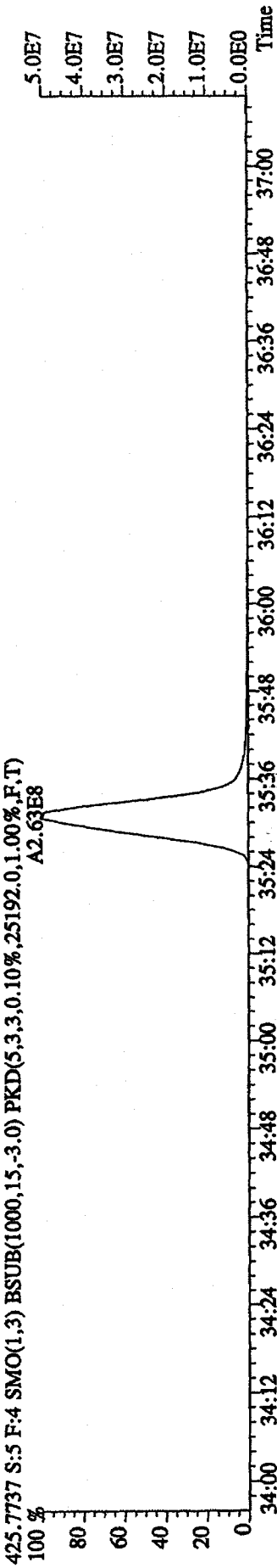
A1.70E8



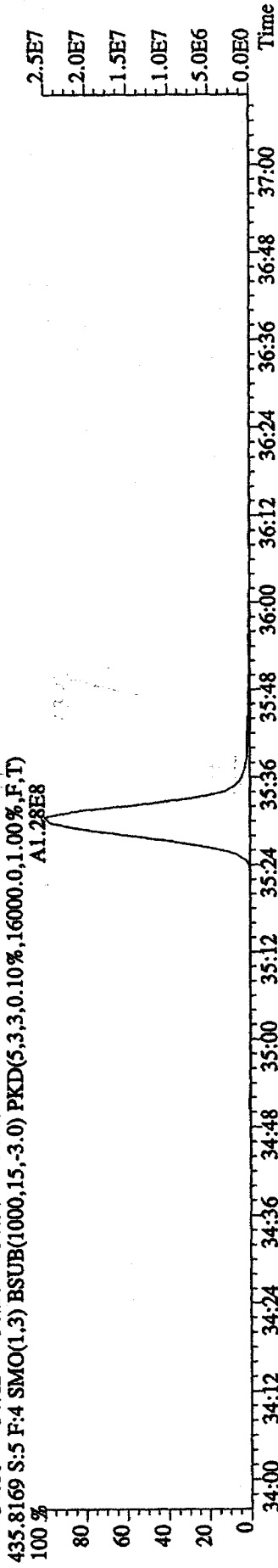
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22832.0,1.00%,F,T)  
 A2.77E8



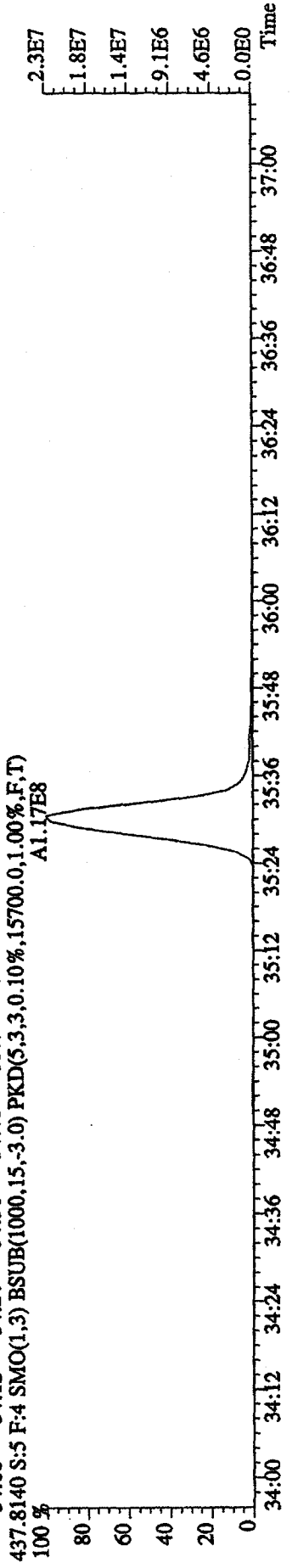
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25192.0,1.00%,F,T)  
 A2.63E8



435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16000.0,1.00%,F,T)  
 A1.28E8



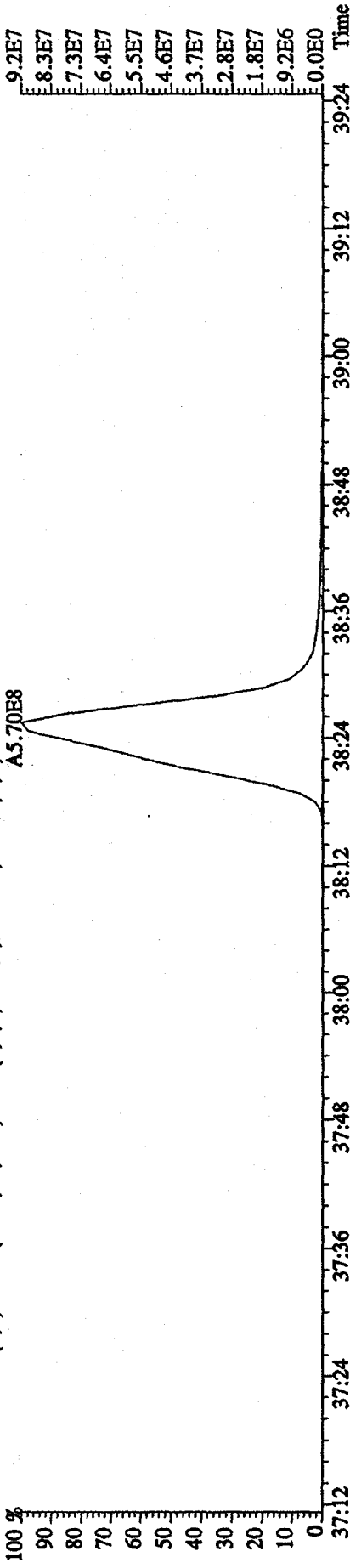
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15700.0,1.00%,F,T)  
 A1.17E8



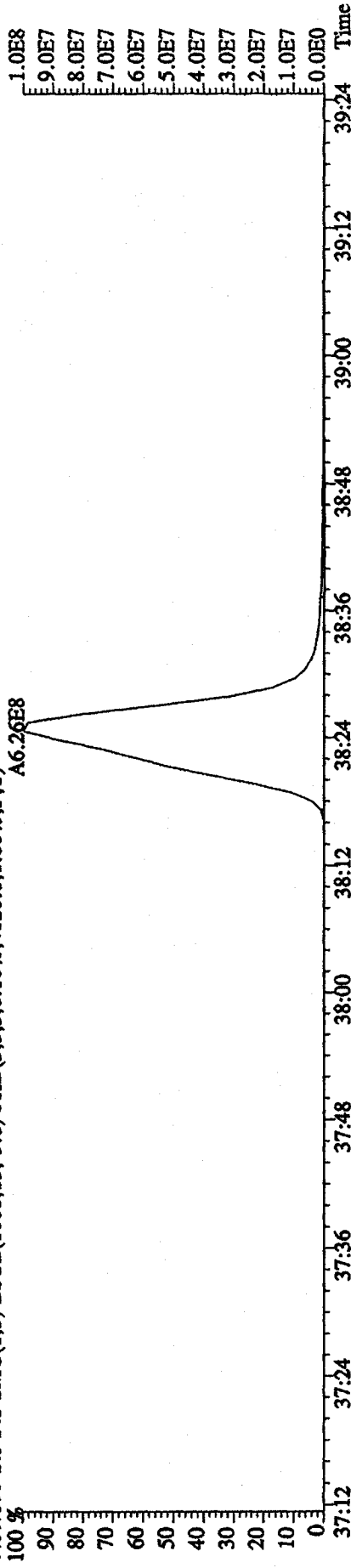
File:31DE09AID5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

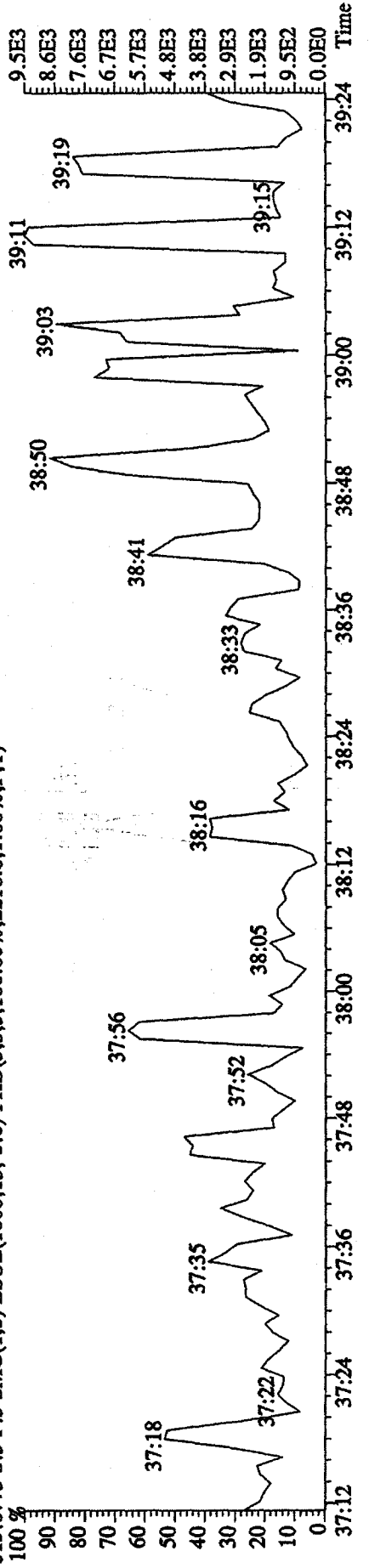
441.7428 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,32256.0,1.00%,F,T)



443.7399 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4128.0,1.00%,F,T)



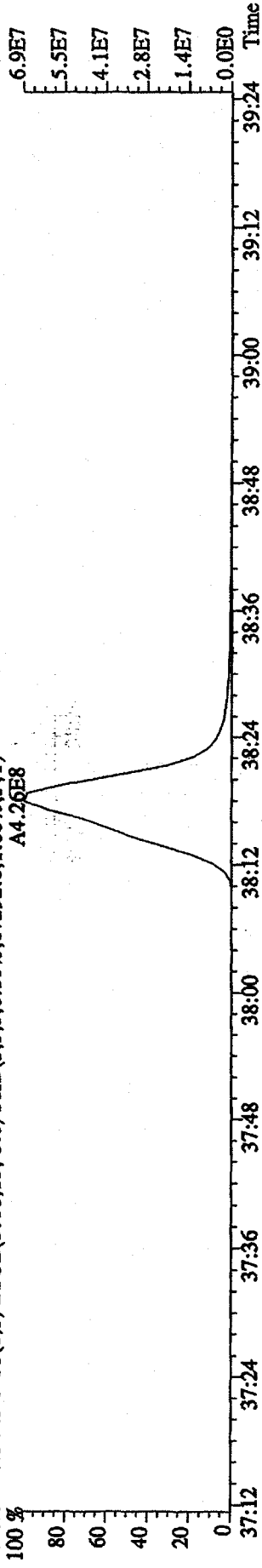
513.6775 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,5,100.00%,2216.0,1.00%,F,T)



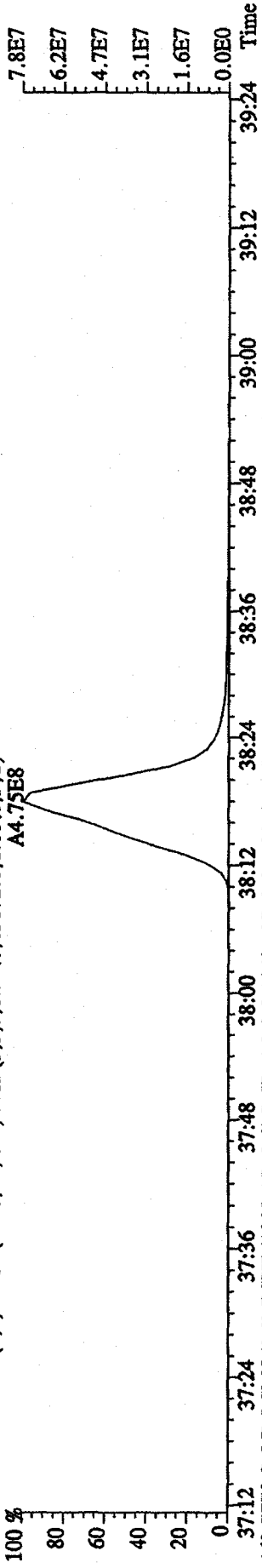
File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN

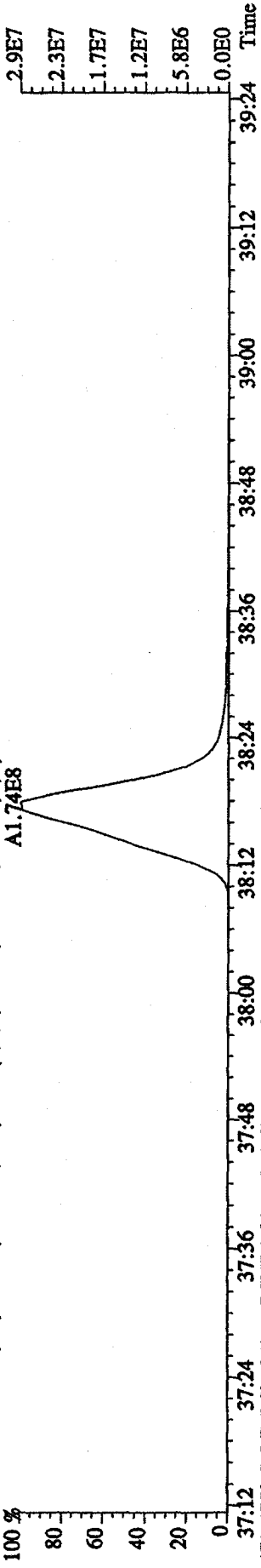
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17292.0,1.00%,F,T)  
A4.26E8



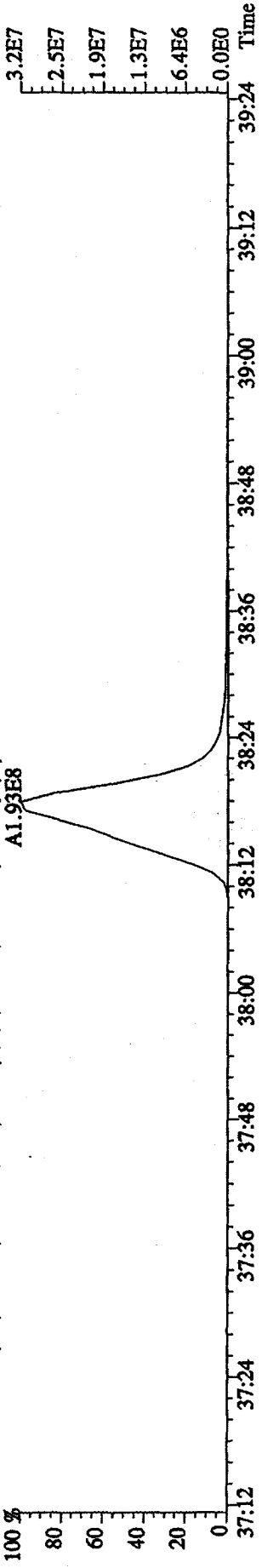
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13172.0,1.00%,F,T)  
A4.75E8



469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13740.0,1.00%,F,T)  
A1.74E8



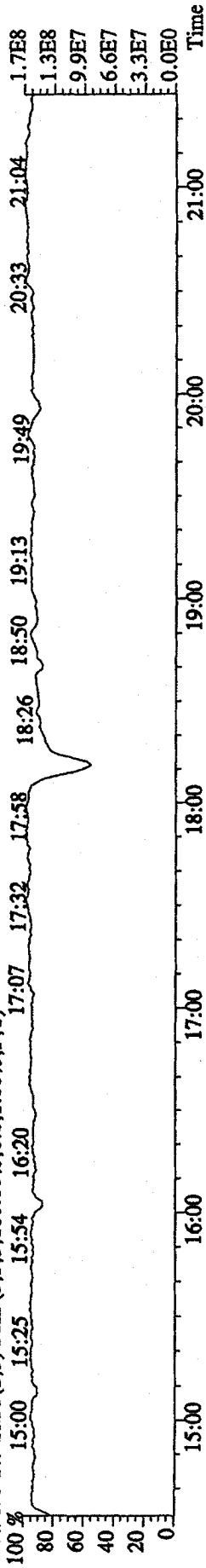
471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27776.0,1.00%,F,T)  
A1.93E8



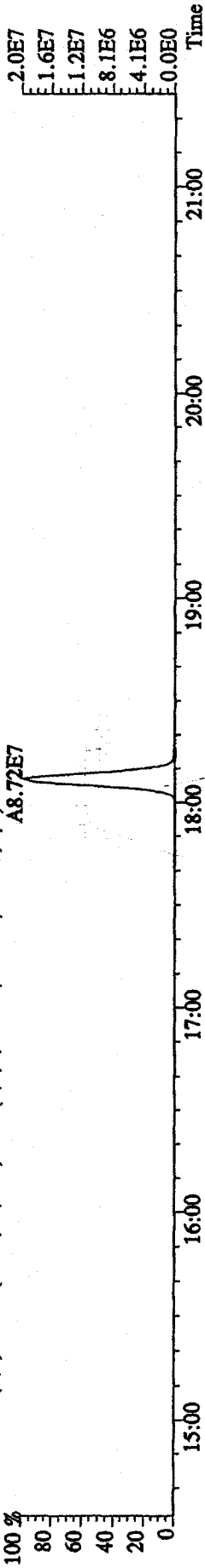
File:3\IDE09A\ID5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

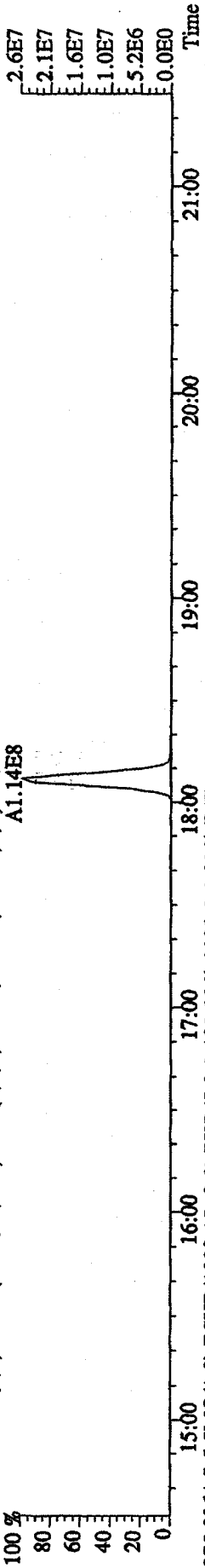
292.9825 S:5 SMO(1.3) PKD(5.3,5,100.00%,0.0,1.00%,F,T)



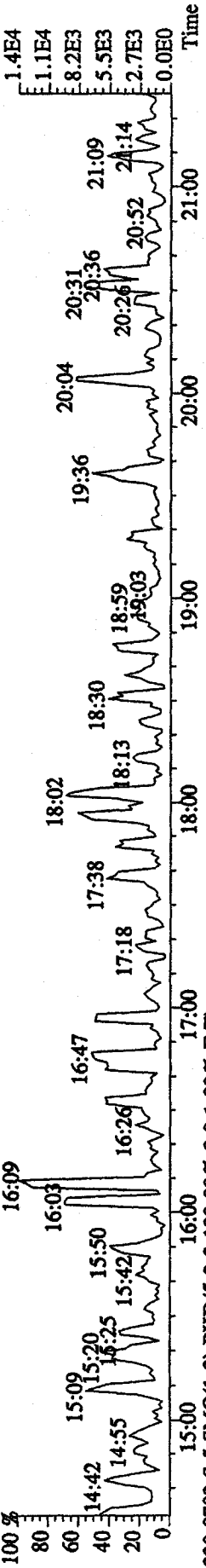
303.9016 S:5 SMO(1.3) BSUB(1000,15,-3,0) PKD(5.3,3,0.10%,7872.0,1.00%,F,T)



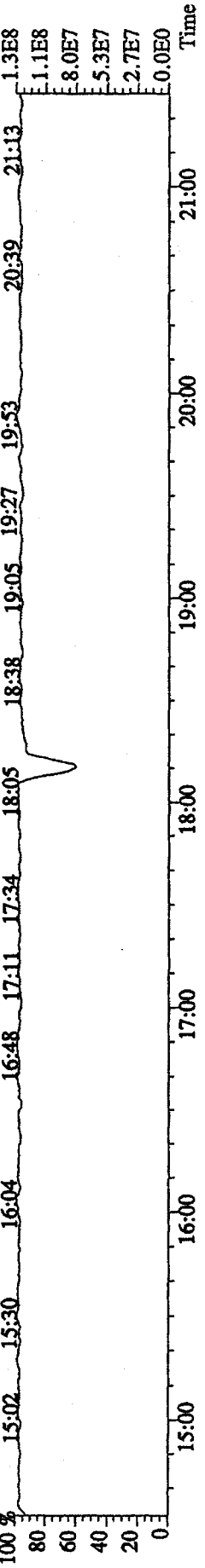
305.8987 S:5 SMO(1.3) BSUB(1000,15,-3,0) PKD(5.3,3,0.10%,7356.0,1.00%,F,T)



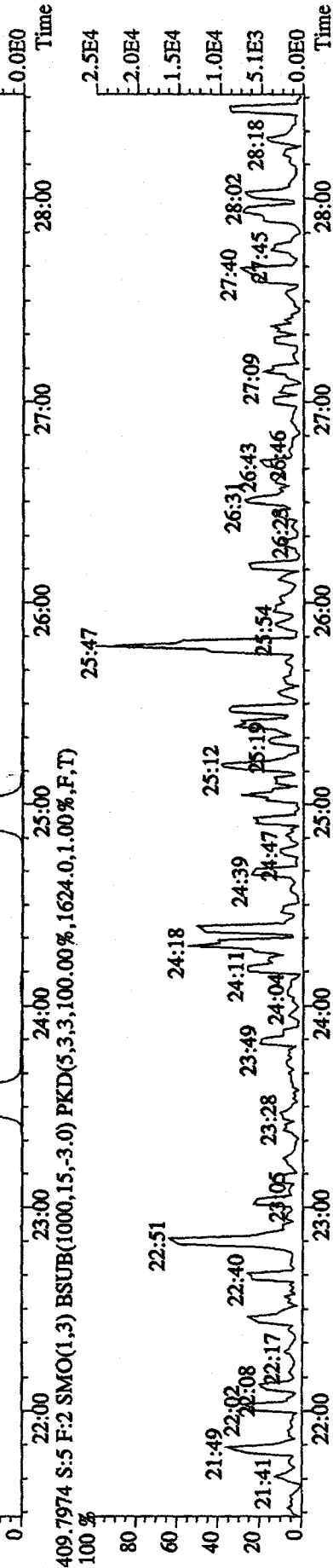
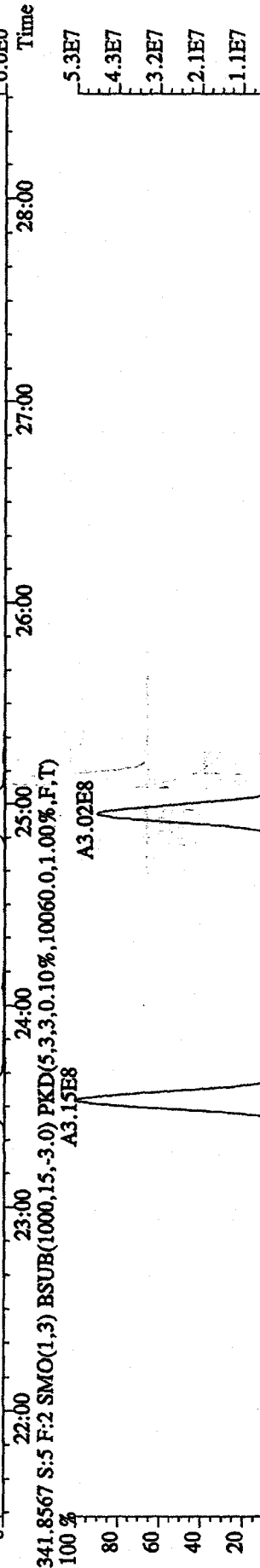
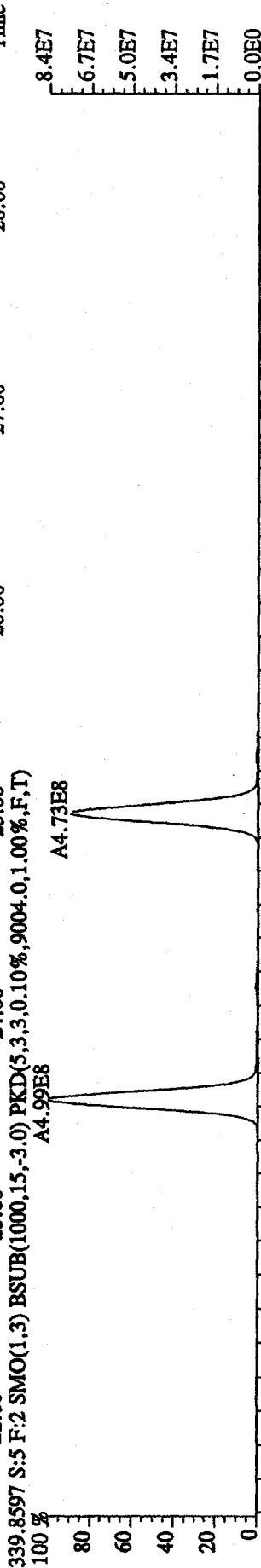
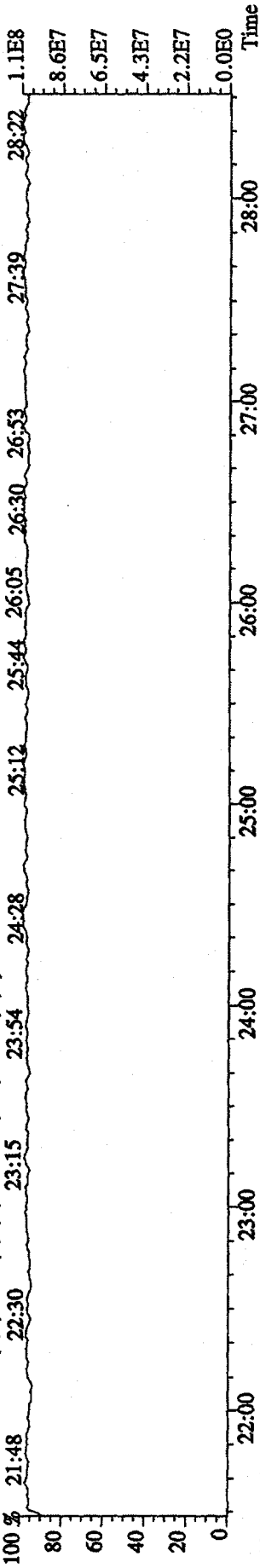
375.8364 S:5 SMO(1.3) BSUB(1000,15,-3,0) PKD(5.3,3,100.00%,2032.0,1.00%,F,T)



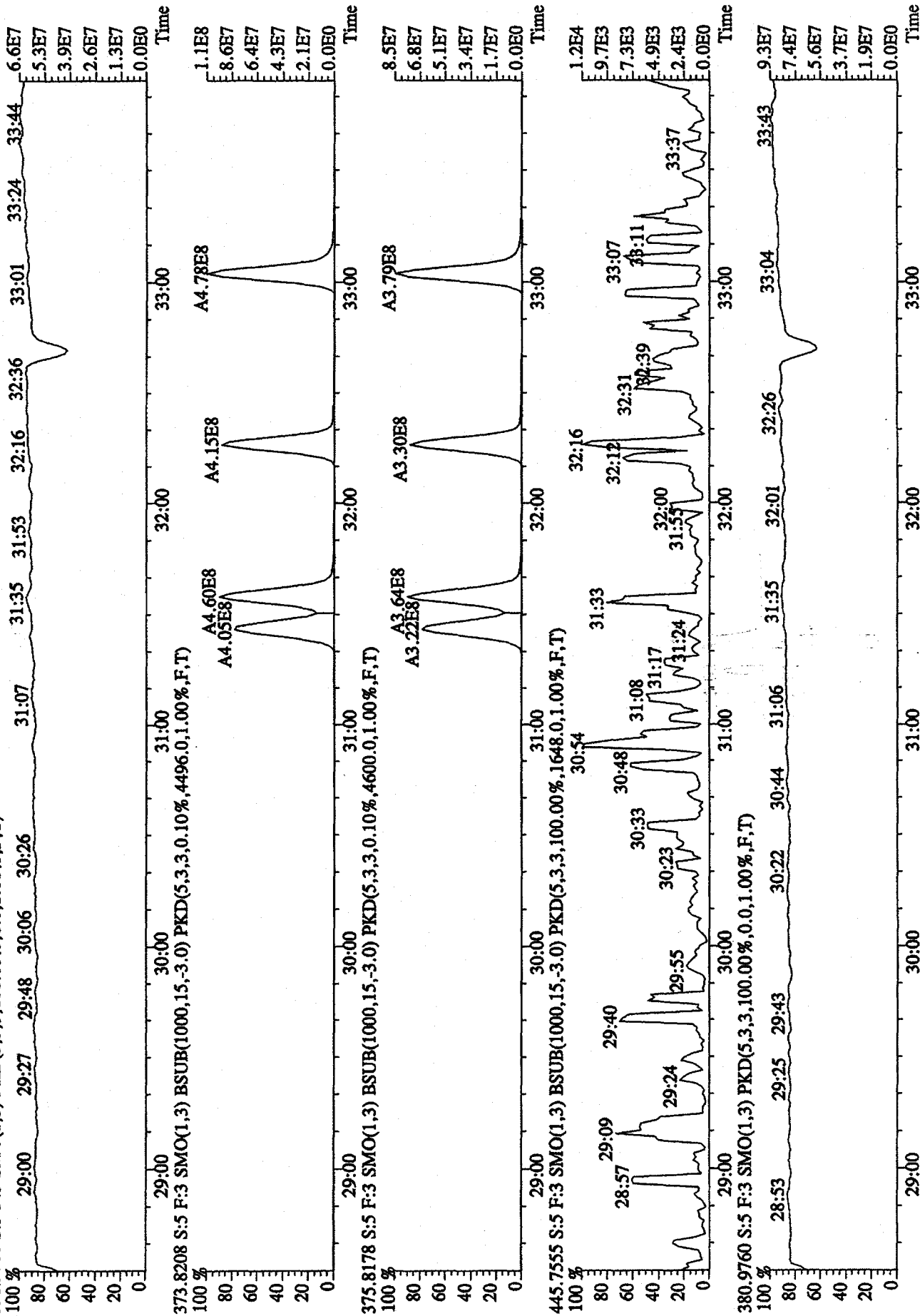
330.9792 S:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



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  
 342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,0.0,0.1,0.0%,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 1.1E8



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

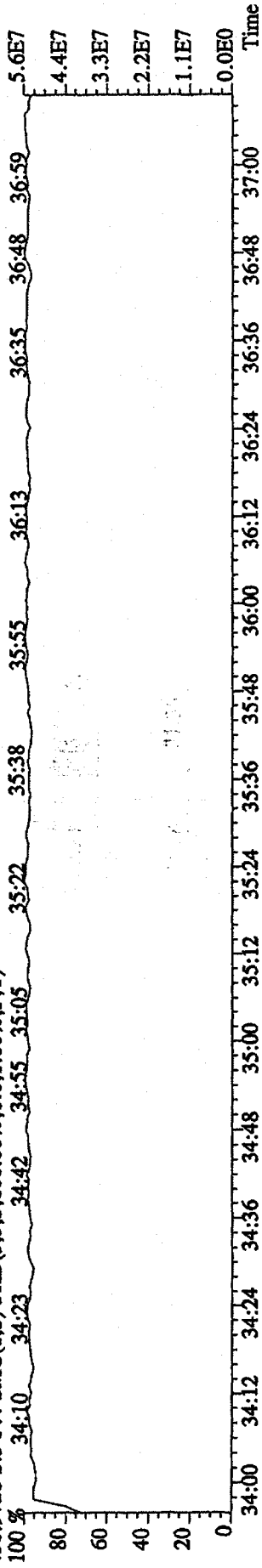


File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN

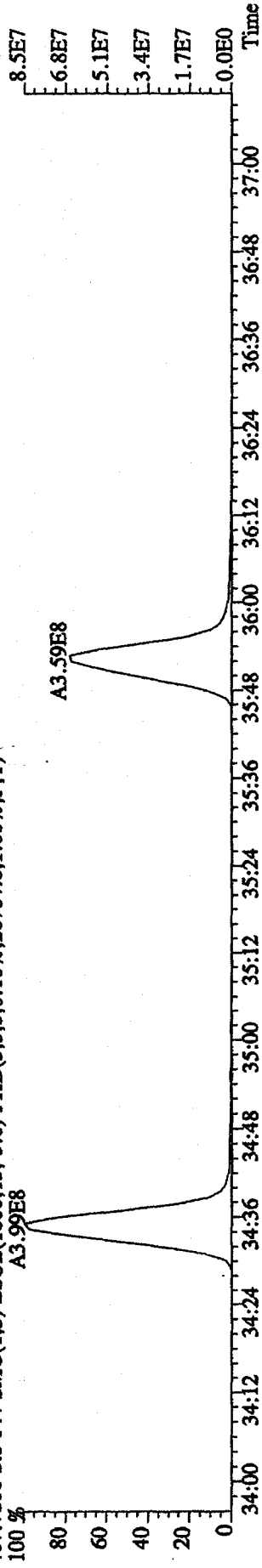
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 34:10 34:23 34:42 34:55 35:05 35:22 35:38 35:55 36:13 36:48 36:59



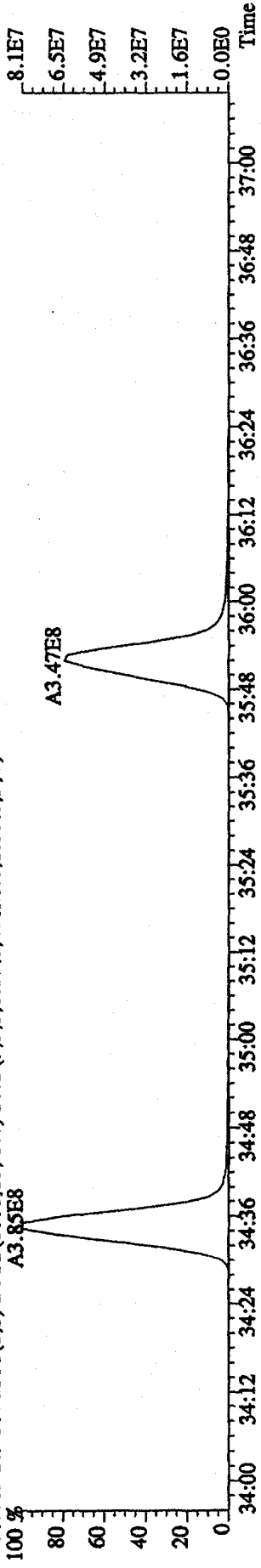
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26764.0,1.00%,F,T)

100% A3.99E8



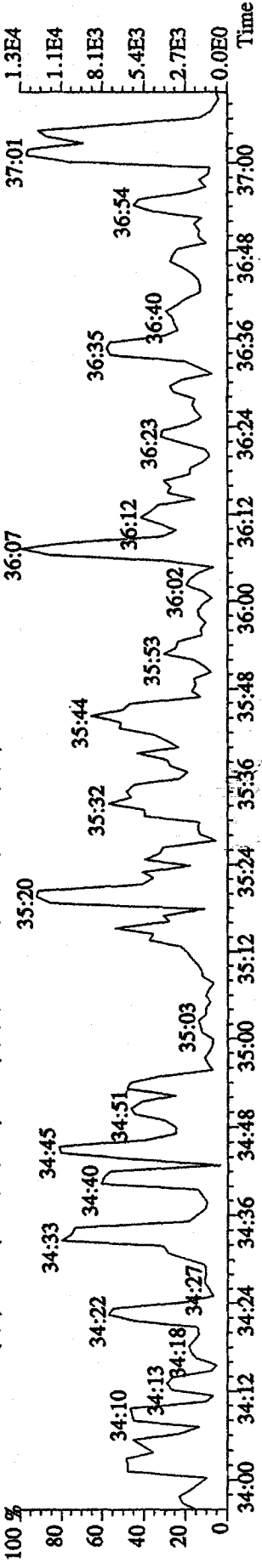
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26820.0,1.00%,F,T)

100% A3.83E8

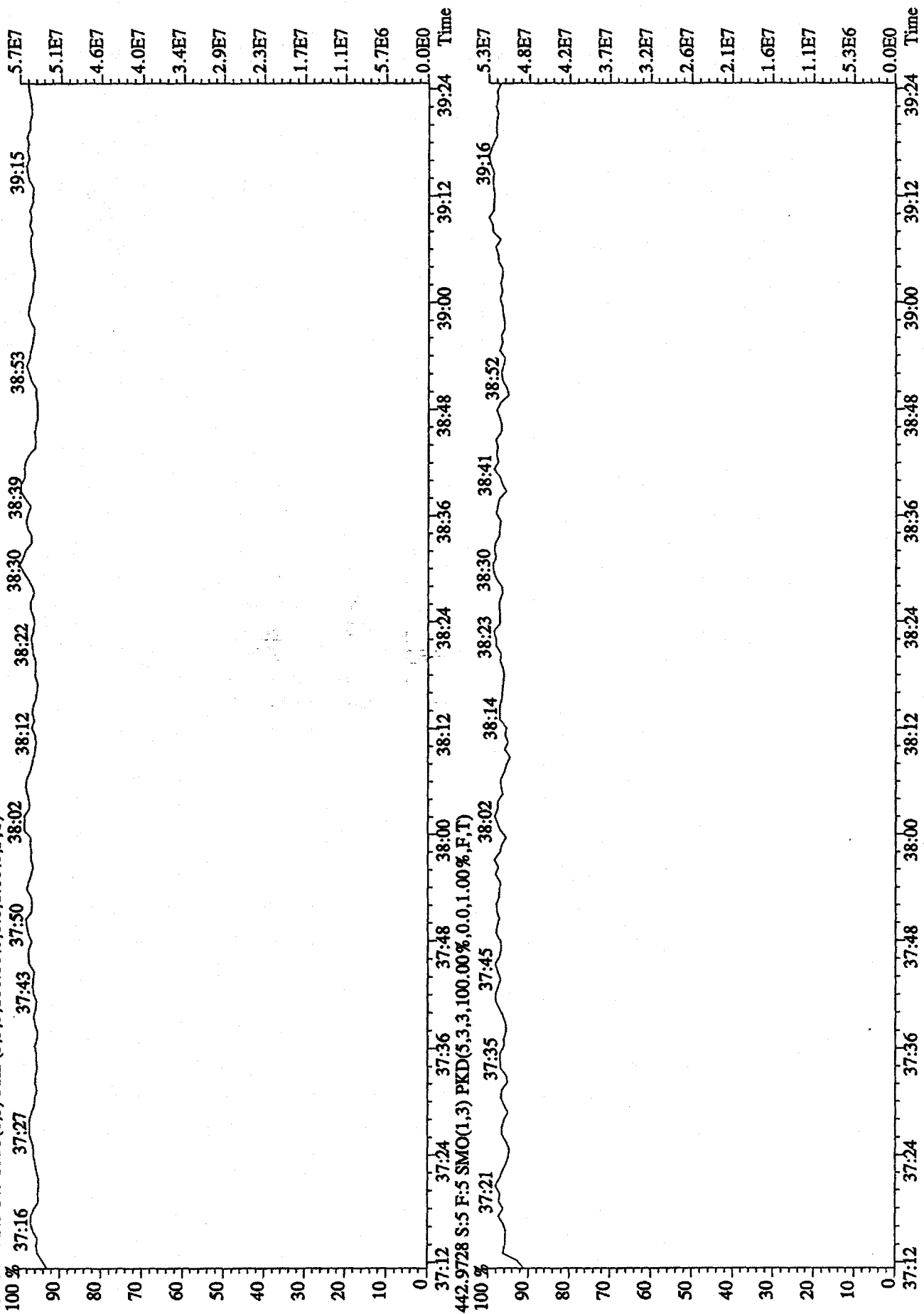


479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2340.0,1.00%,F,T)

100%



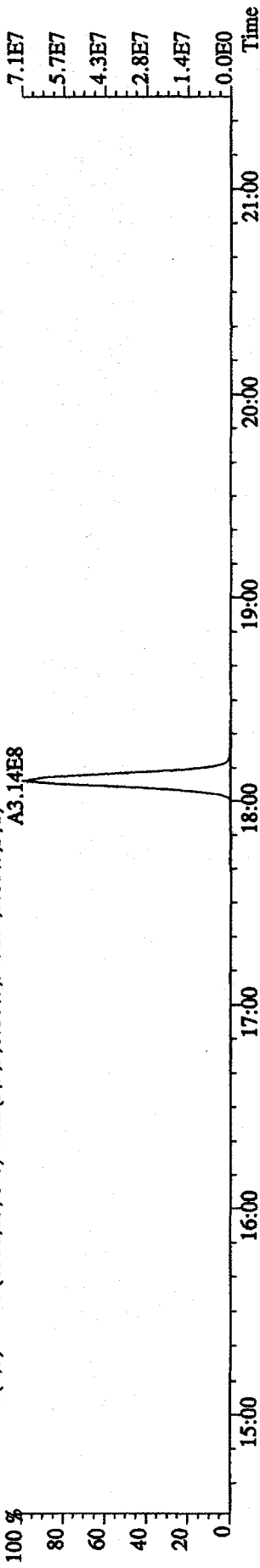
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE  
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN  
 454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



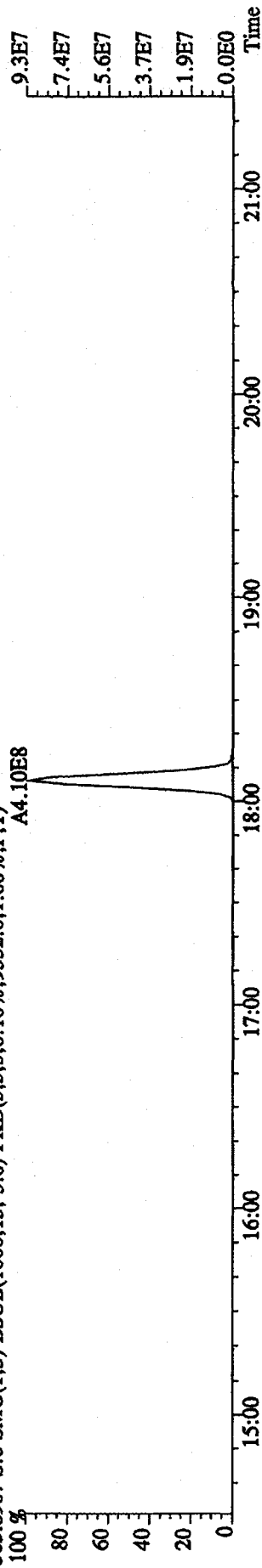


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

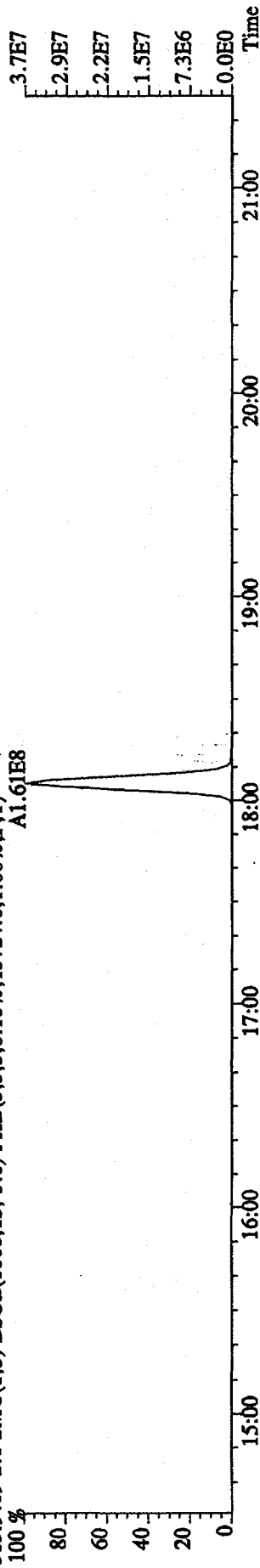
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9492.0,1.00%,F,T)  
100 %



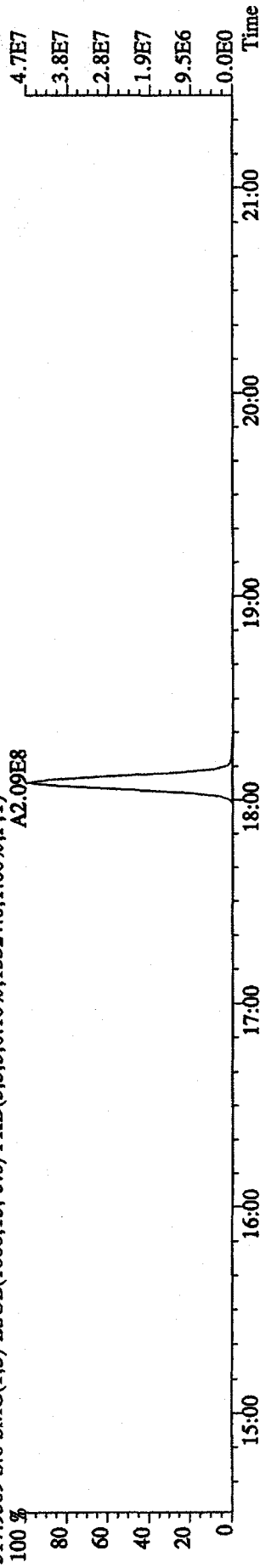
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9552.0,1.00%,F,T)  
100 %



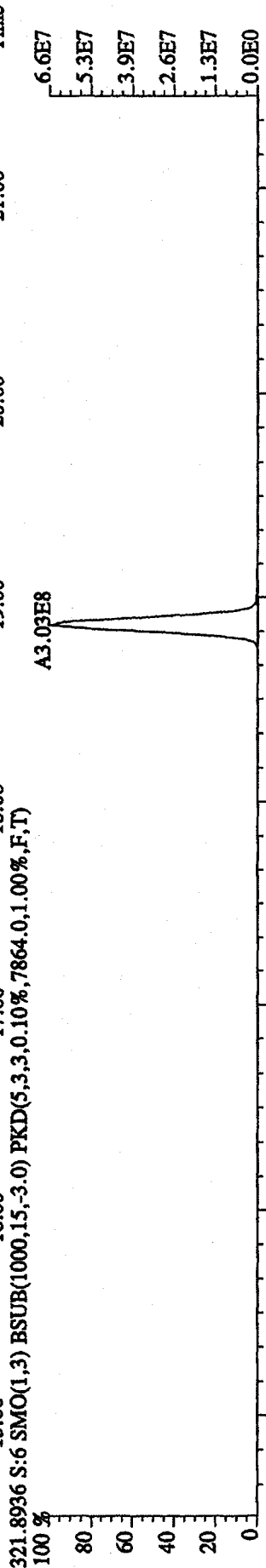
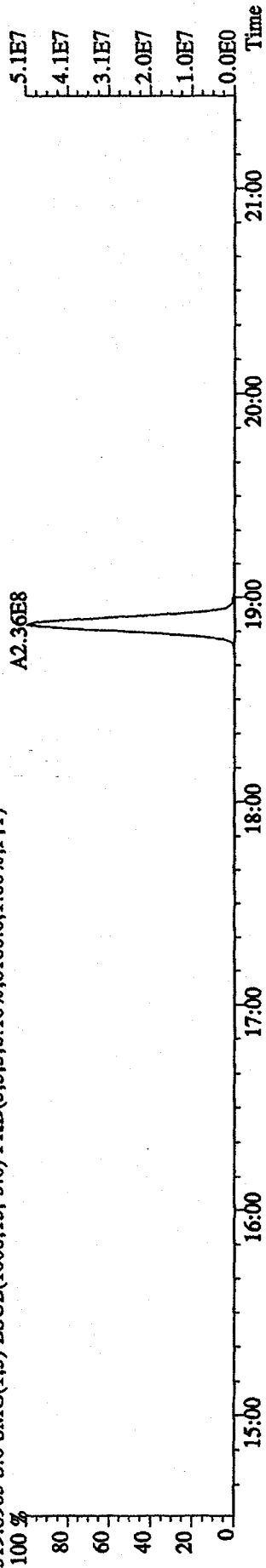
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13724.0,1.00%,F,T)  
100 %



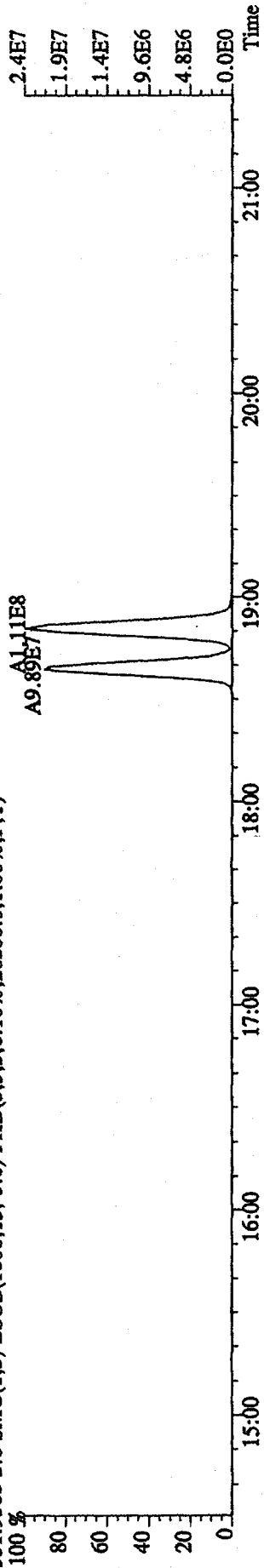
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13324.0,1.00%,F,T)  
100 %



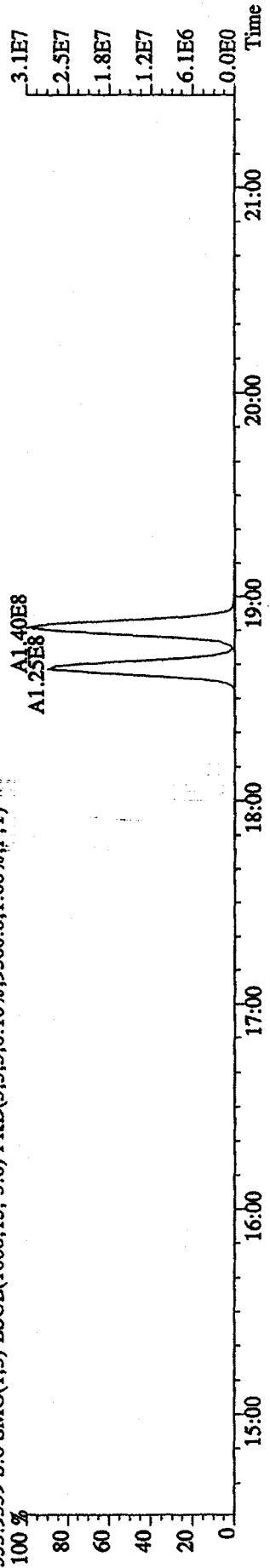
File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN  
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8180.0,1.00%,F,T)



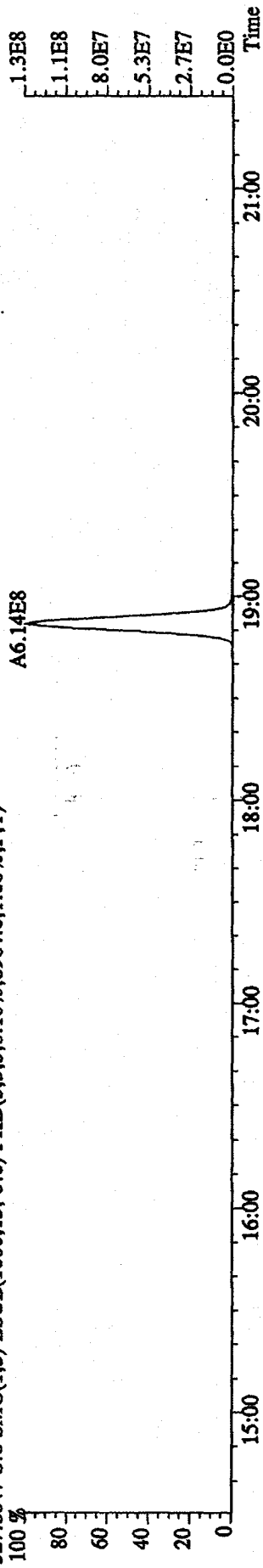
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26200.0,1.00%,F,T)



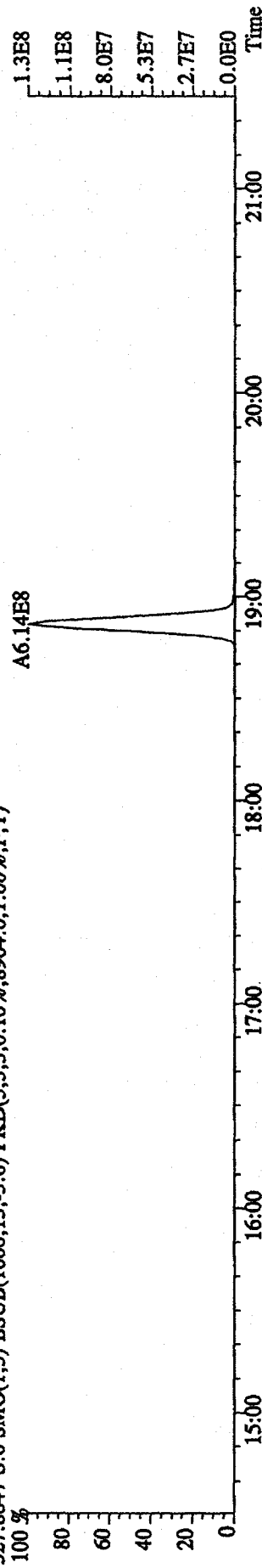
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



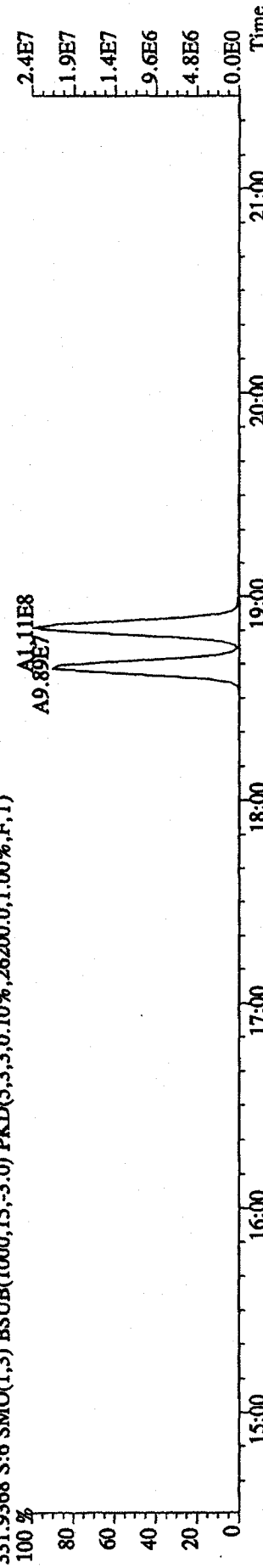
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN  
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8964.0,1.00%,F,T)



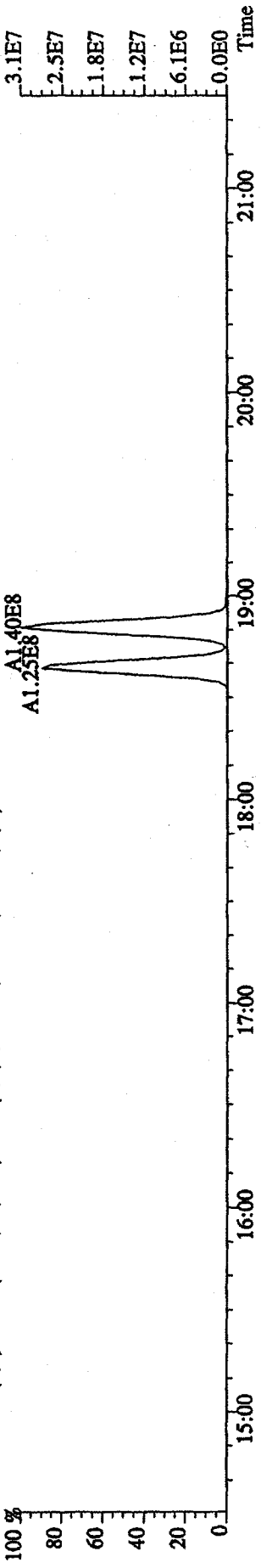
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8964.0,1.00%,F,T)  
 331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26200.0,1.00%,F,T)



333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



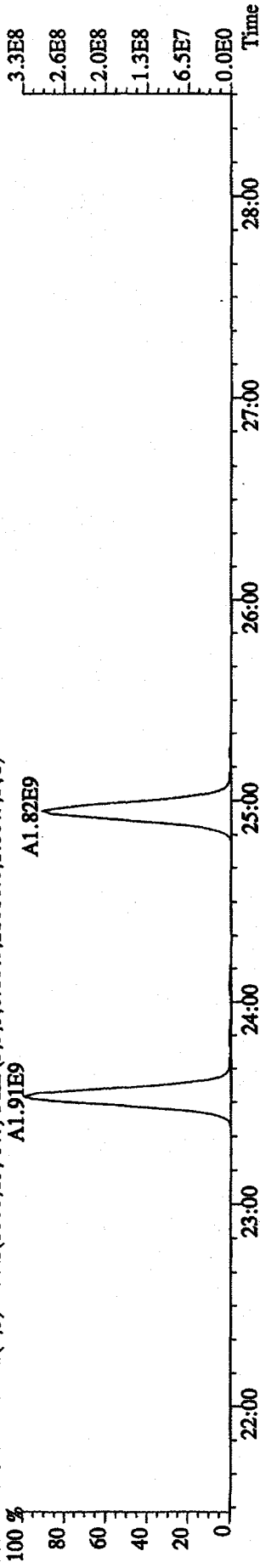
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



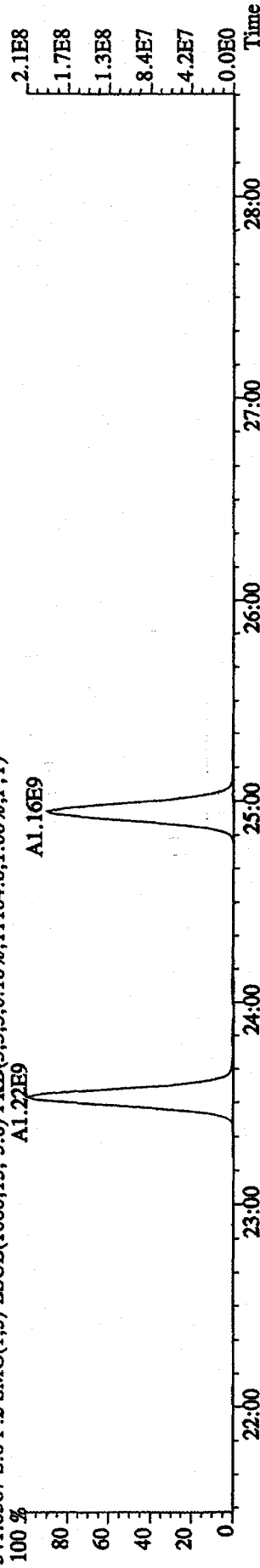
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

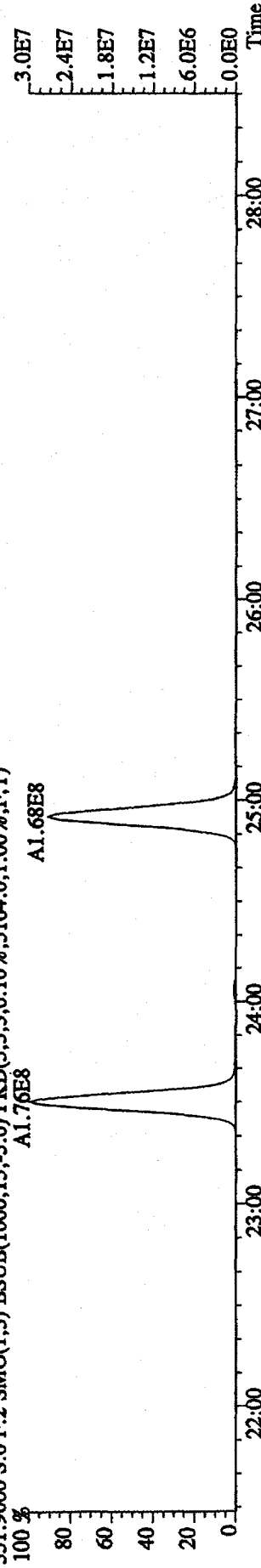
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,21616.0,1.00%,F,T)



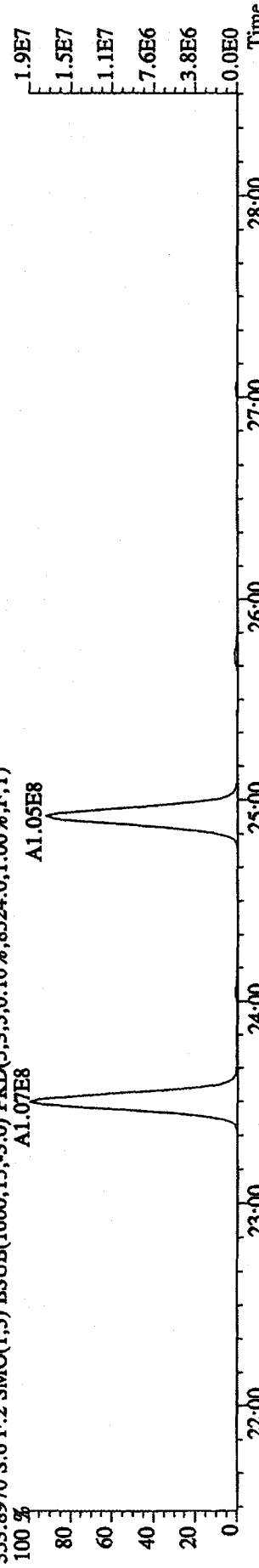
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)



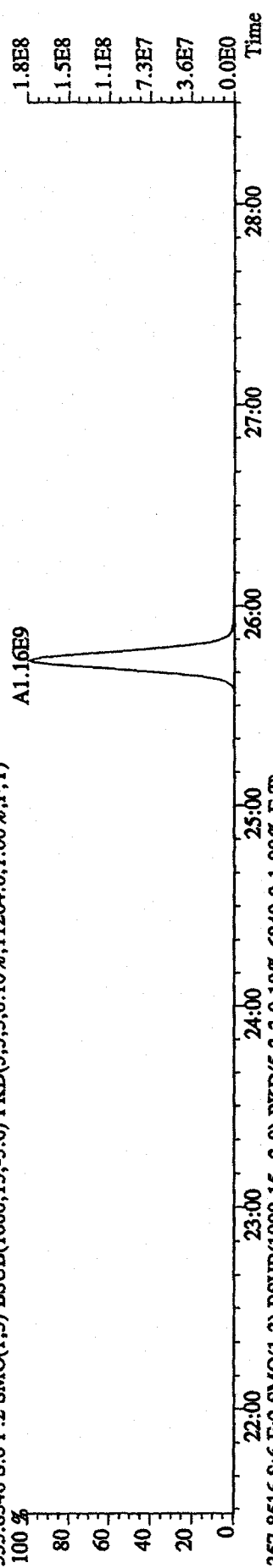
351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5164.0,1.00%,F,T)



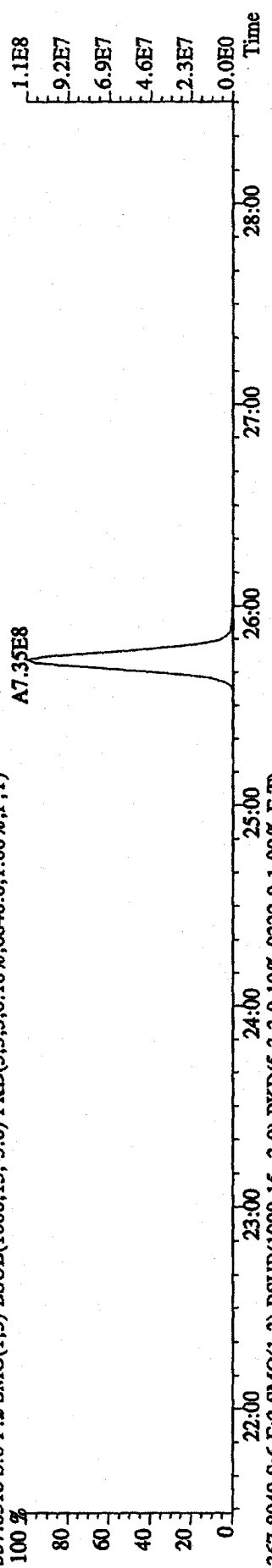
353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8524.0,1.00%,F,T)



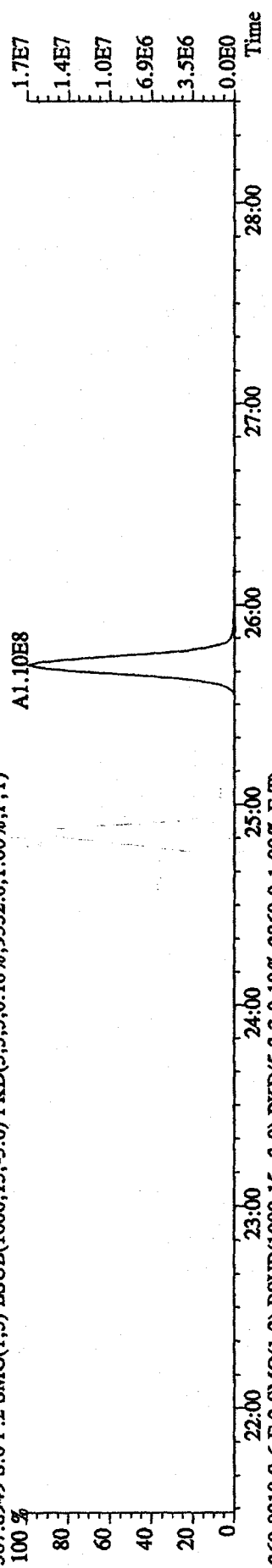
File: 31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN  
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11264.0,1.00%,F,T)



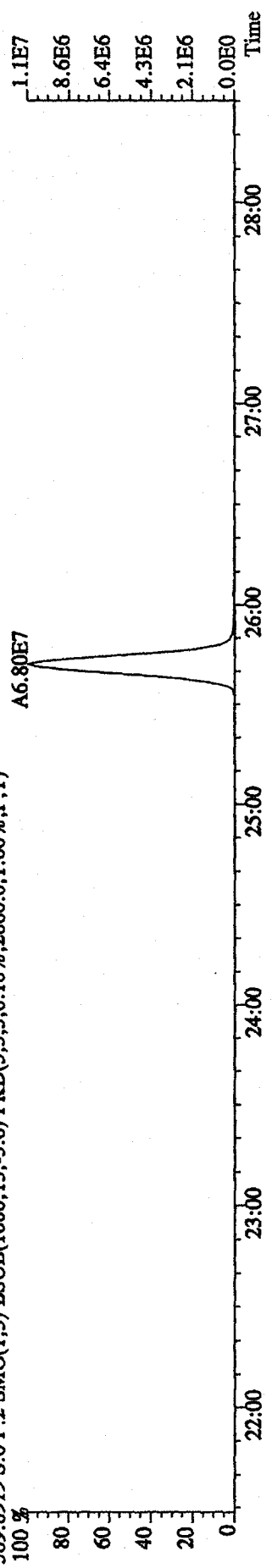
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6840.0,1.00%,F,T)



367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)



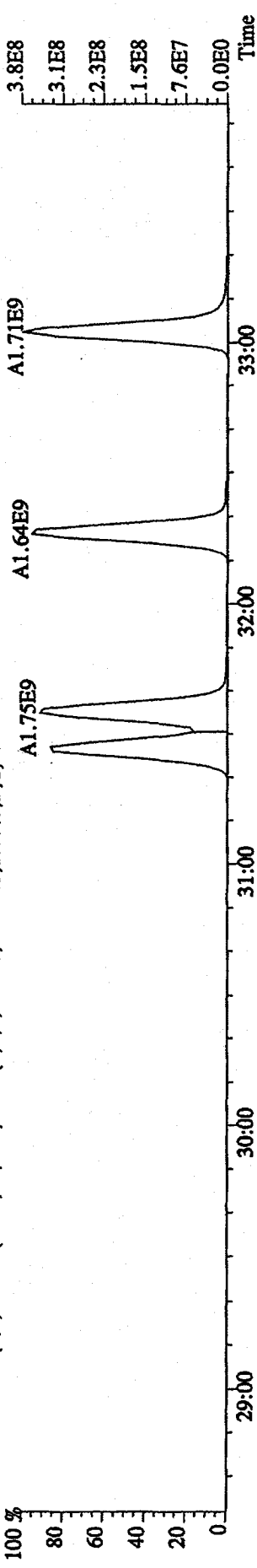
369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2860.0,1.00%,F,T)



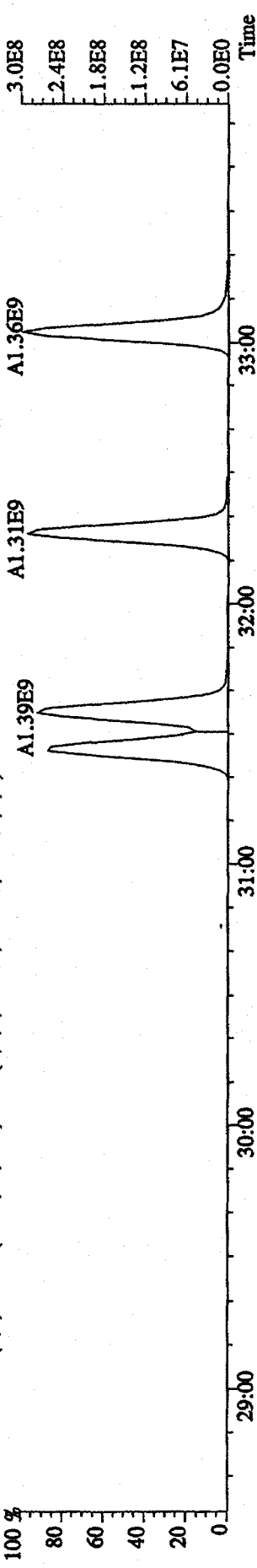
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

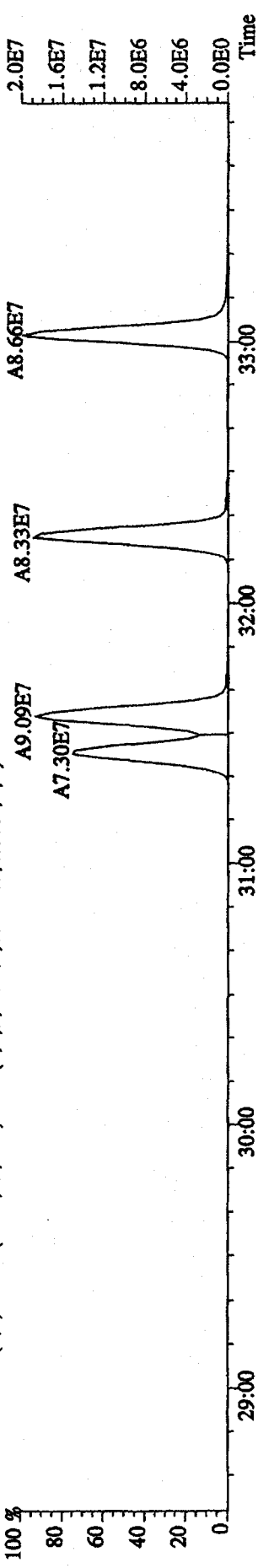
373.8208 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080.0,1.00%,F,T)



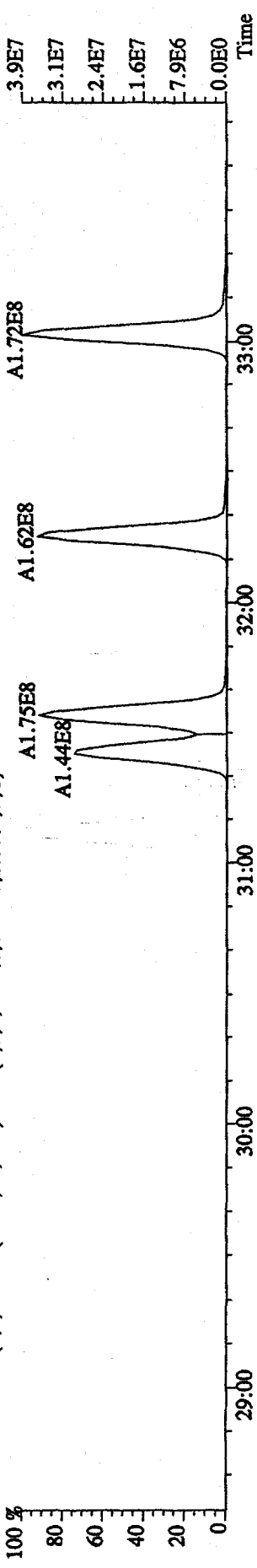
375.8178 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



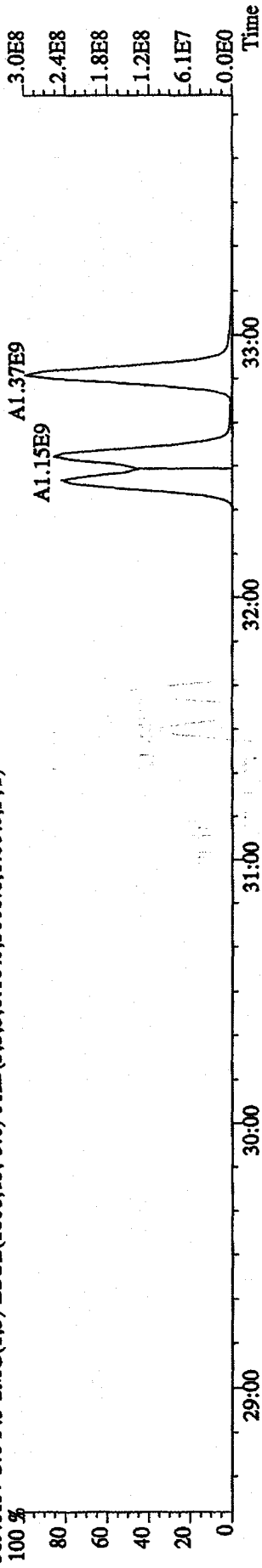
383.8639 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13728.0,1.00%,F,T)



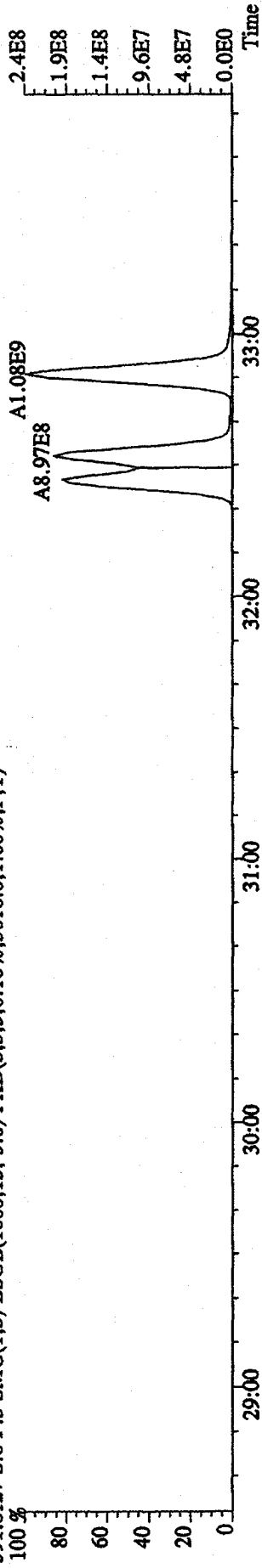
385.8610 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6716.0,1.00%,F,T)



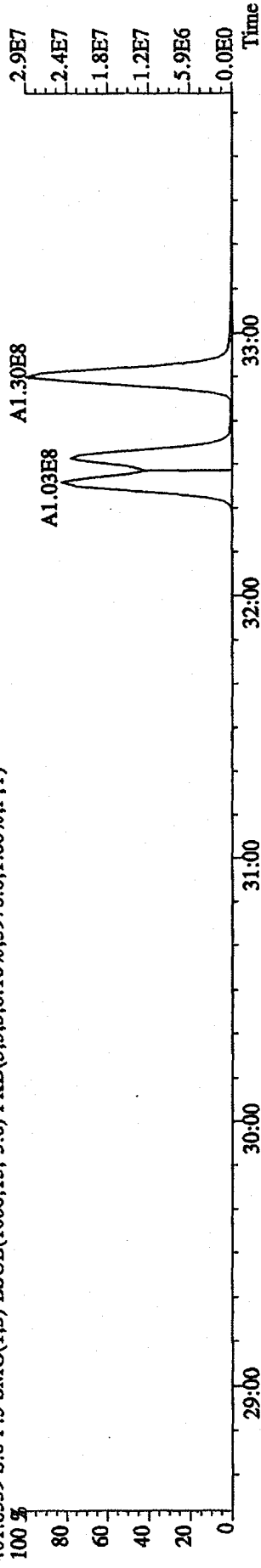
File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN  
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T)



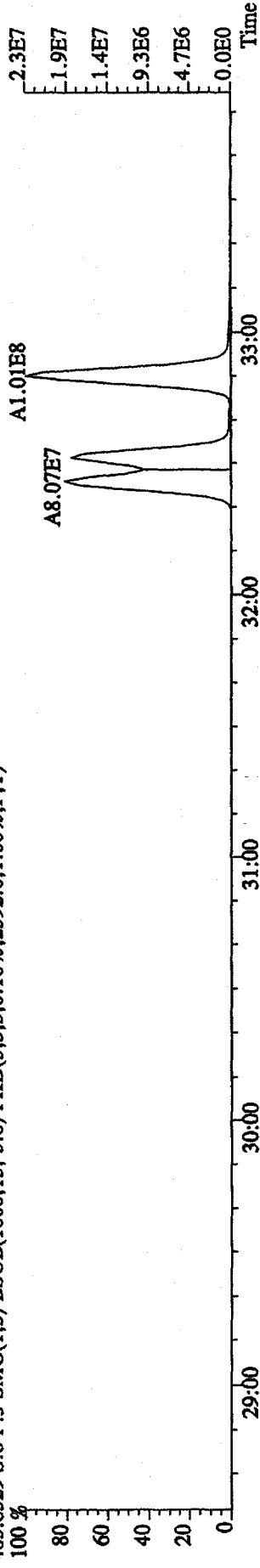
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3616.0,1.00%,F,T)



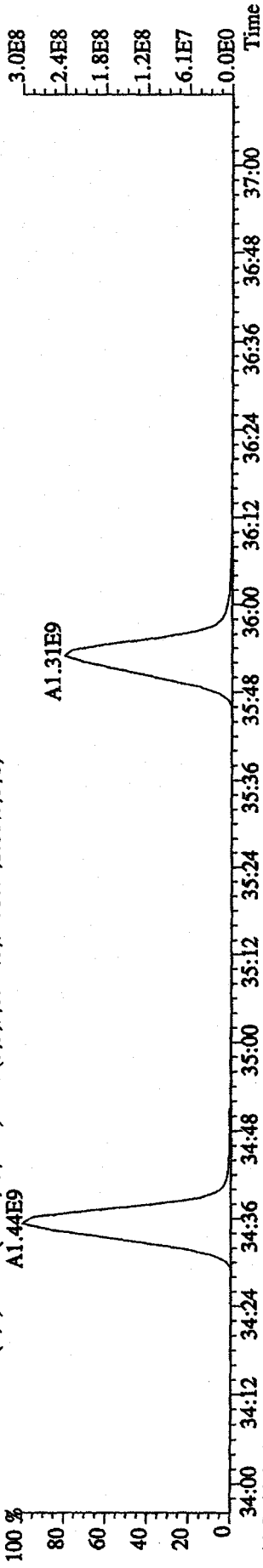
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3976.0,1.00%,F,T)



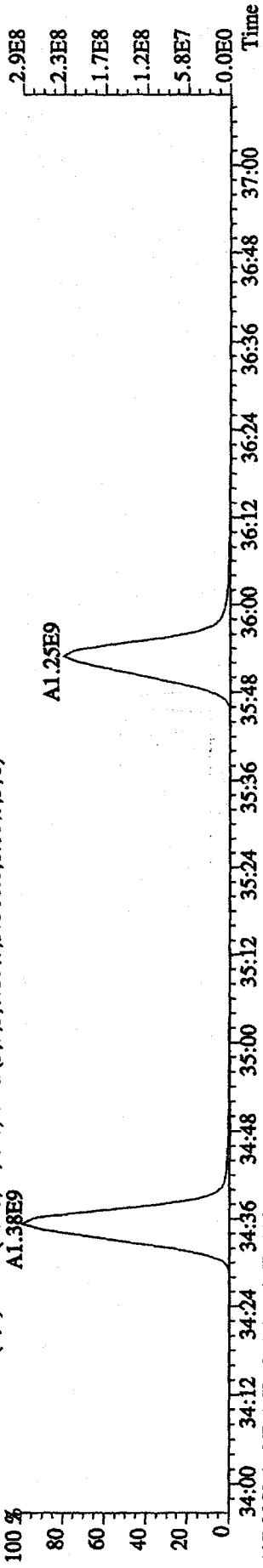
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



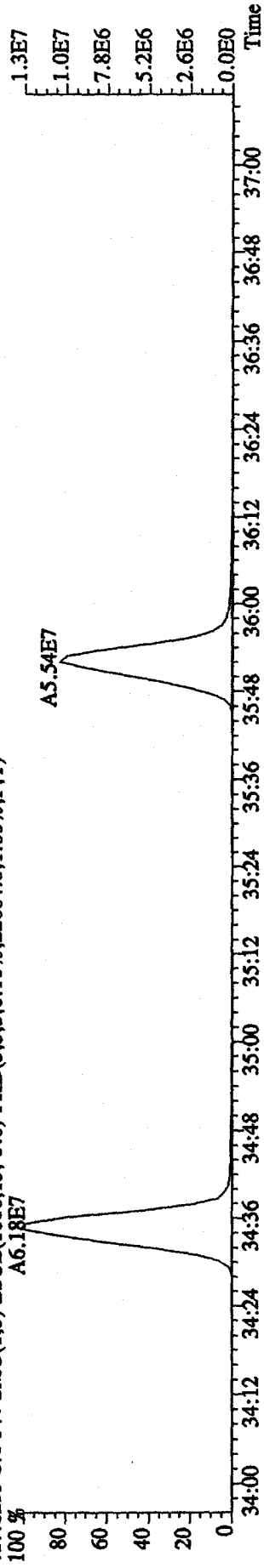
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN  
 407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34380.0,1.00%,F,T)  
 A1.44E9



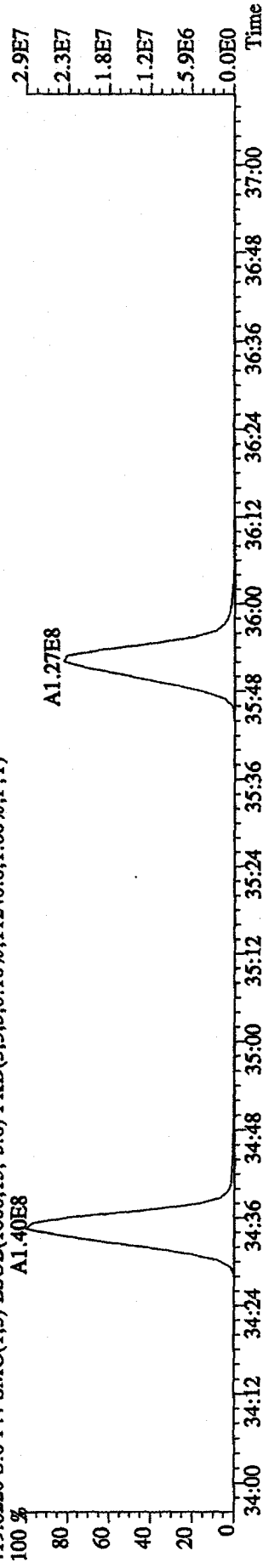
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57968.0,1.00%,F,T)  
 A1.38E9



417.8253 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22004.0,1.00%,F,T)  
 A6.18E7



419.8220 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11240.0,1.00%,F,T)  
 A1.40E8

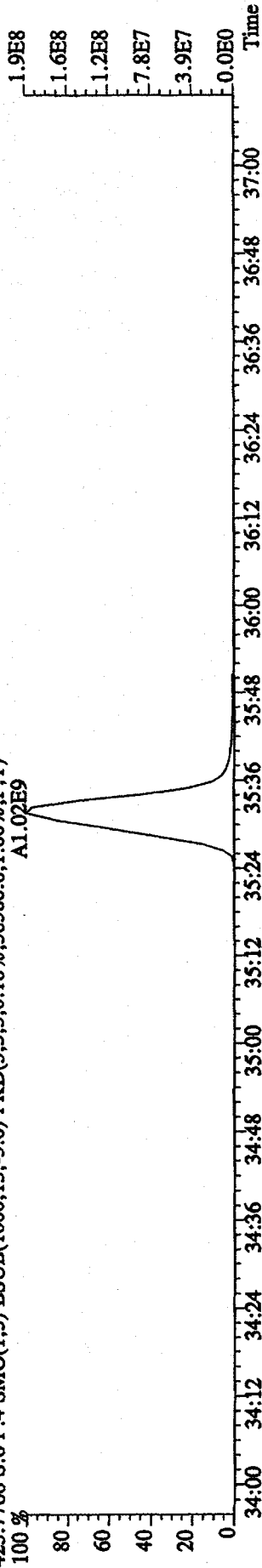




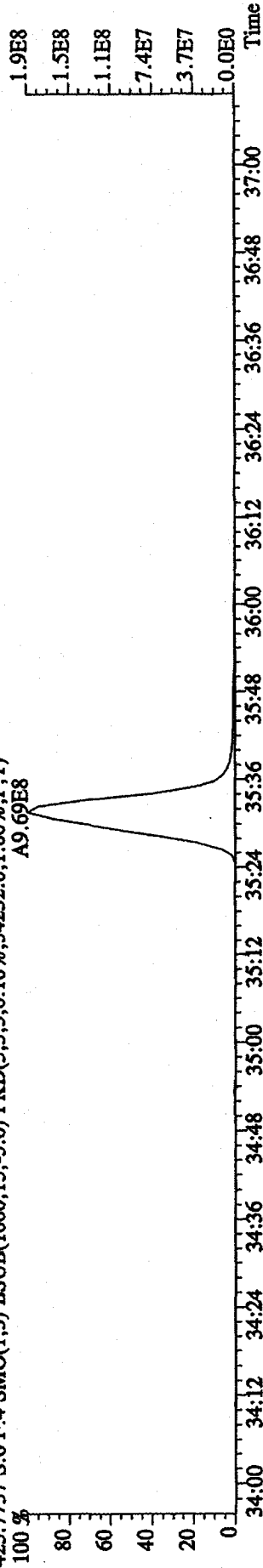
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

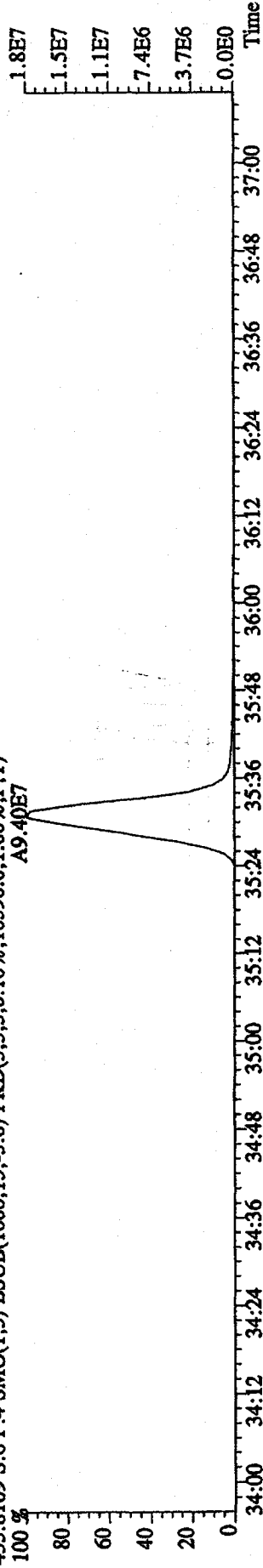
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38388.0,1.00%,F,T)  
A1.02E9



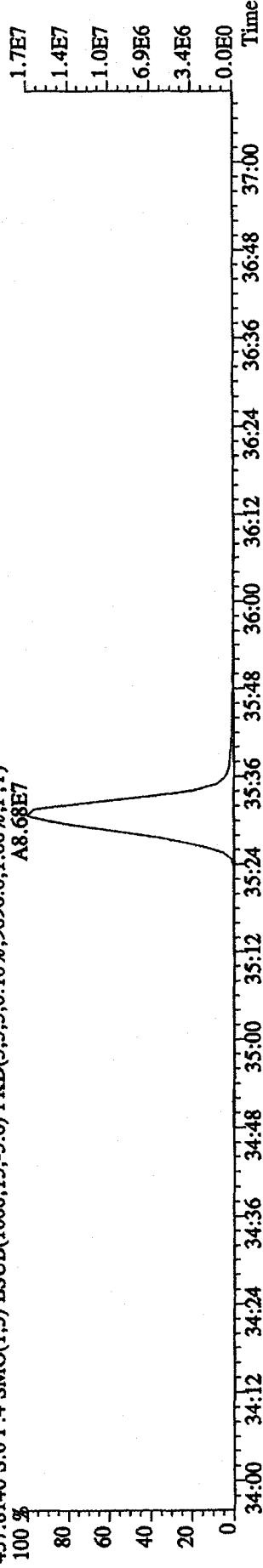
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34252.0,1.00%,F,T)  
A9.69E8



435.8169 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10596.0,1.00%,F,T)  
A9.40E7



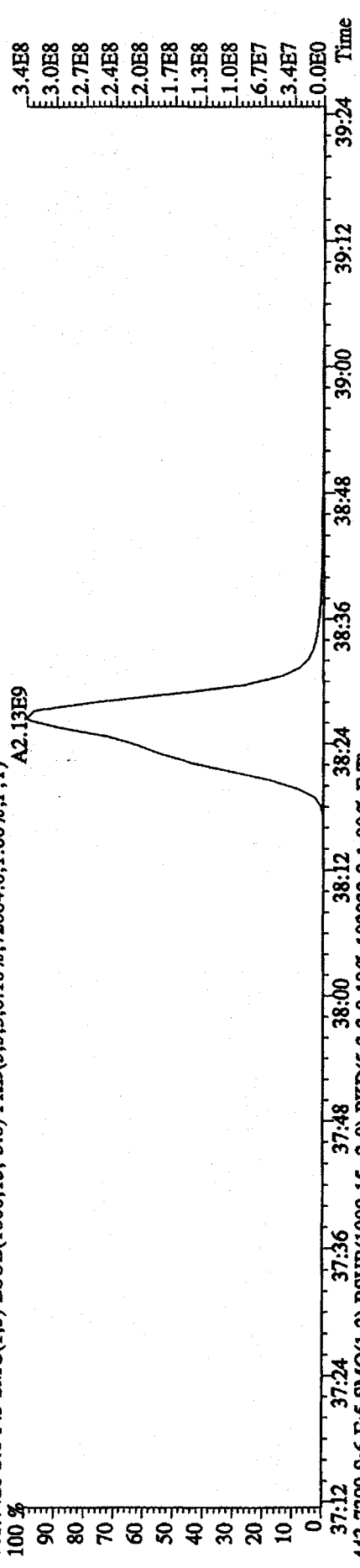
437.8140 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9696.0,1.00%,F,T)  
A8.68E7



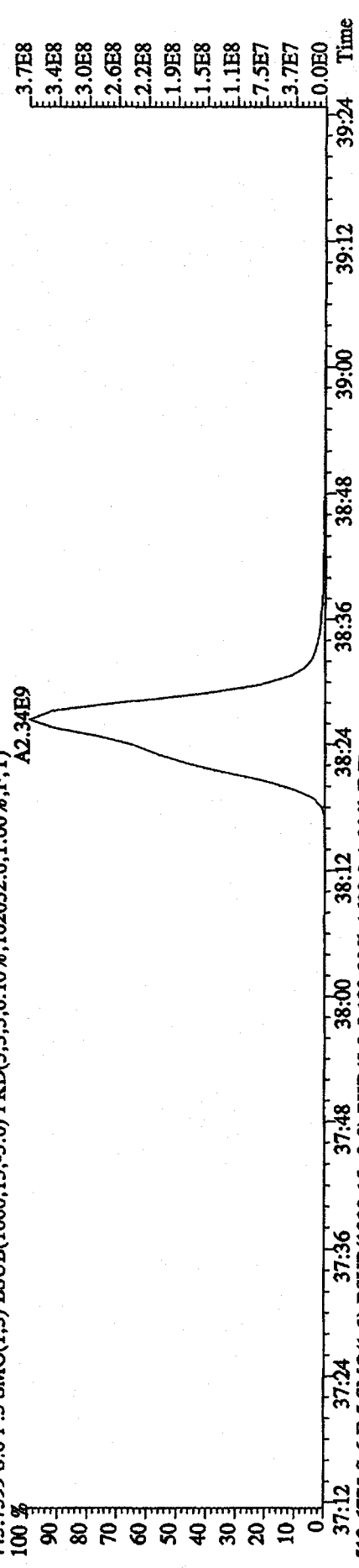
File:3 IDE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

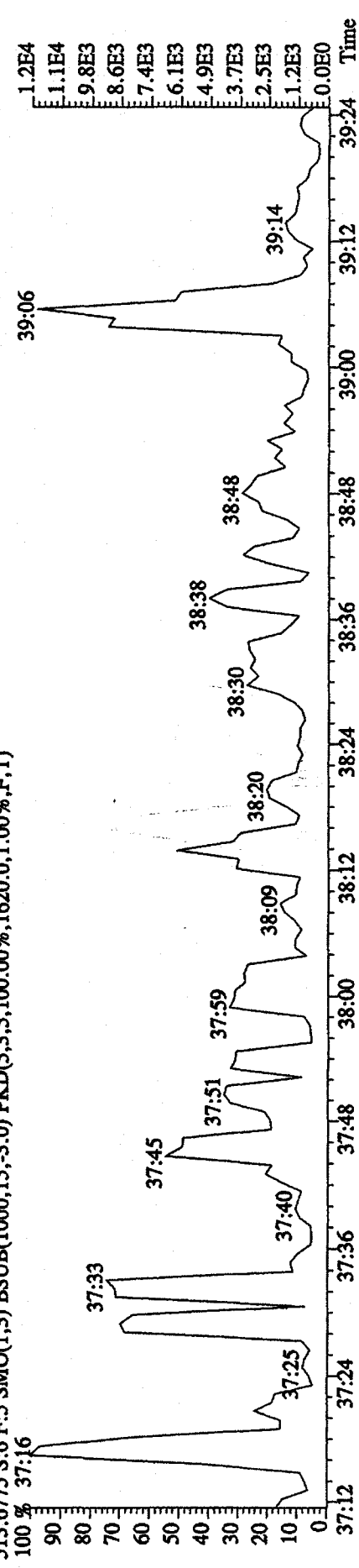
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72084,0.1.00%,F,T)



443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,102032,0.1.00%,F,T)



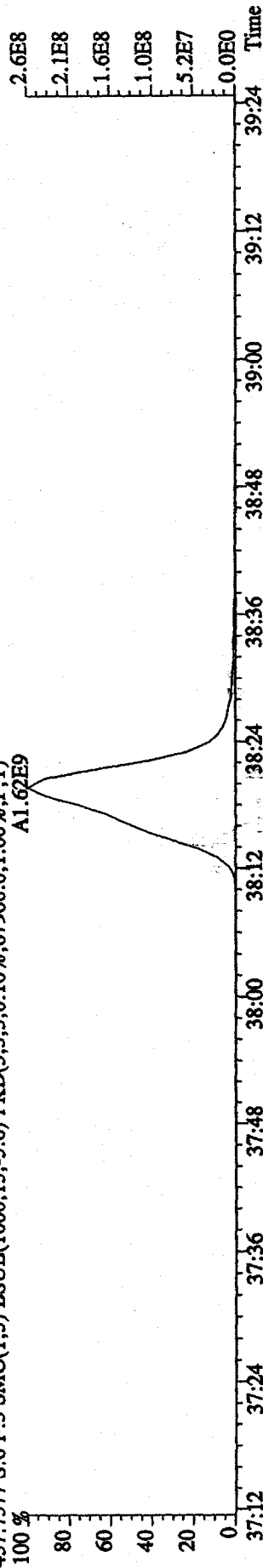
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1620,0.1.00%,F,T)



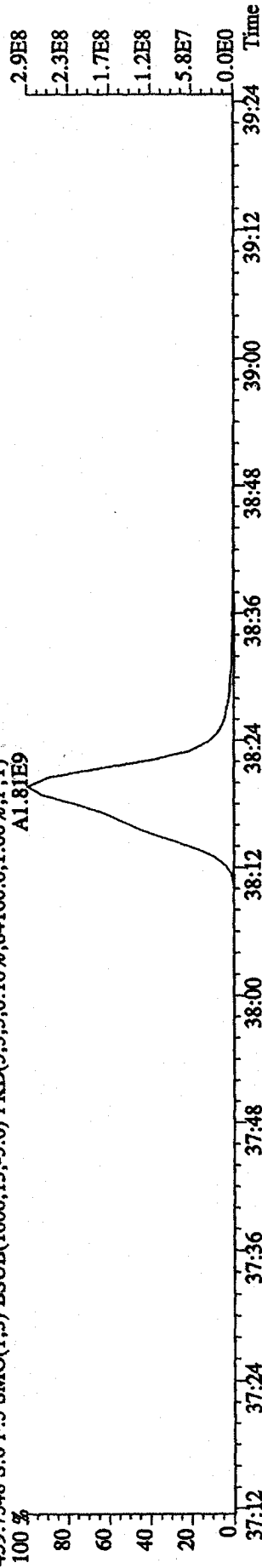
File:3IDE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

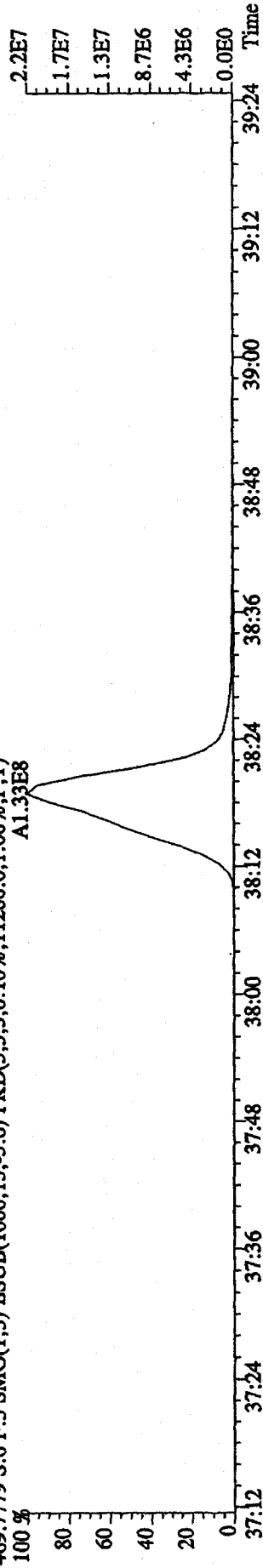
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,67900,0,1.00%,F,T)  
A1.62E9



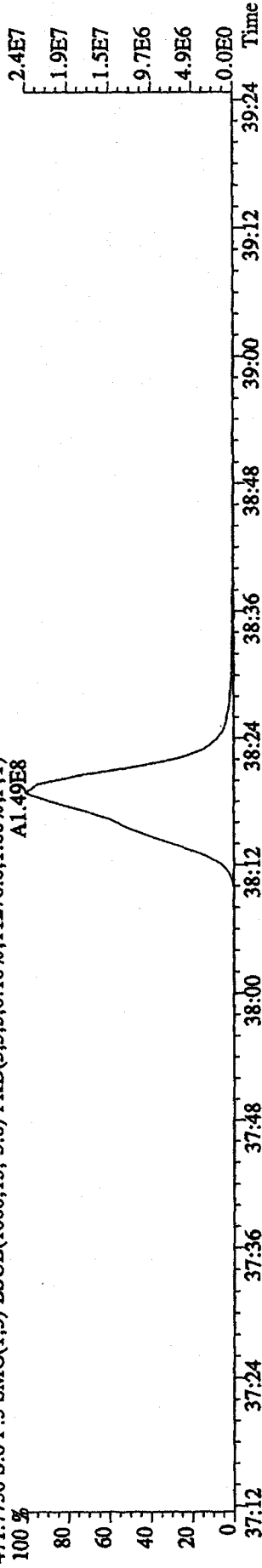
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,84160,0,1.00%,F,T)  
A1.81E9



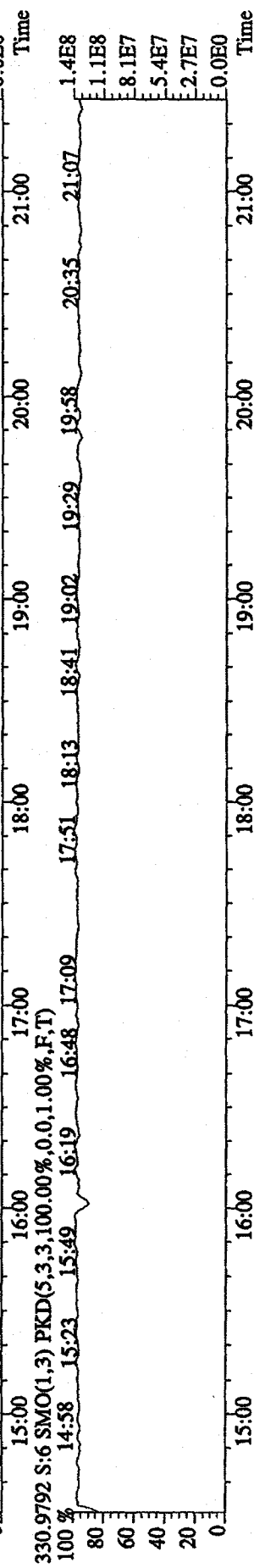
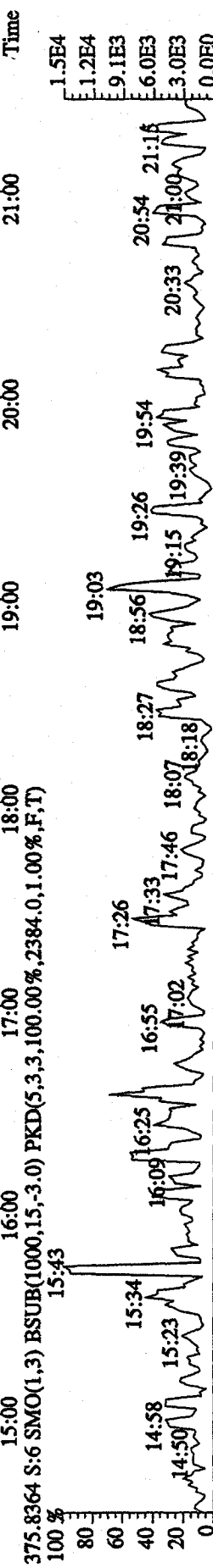
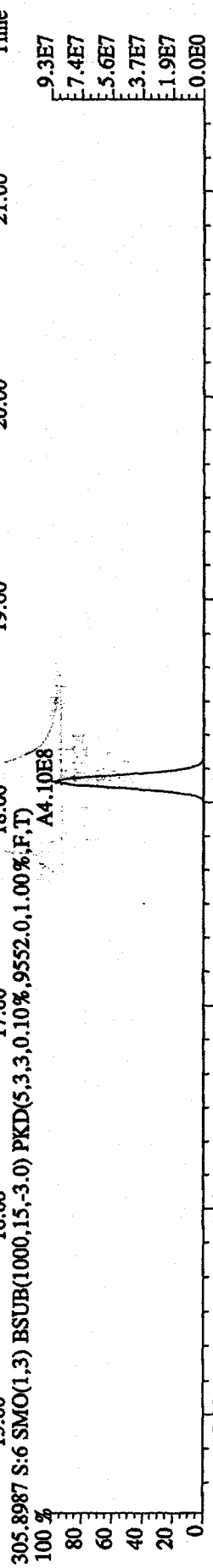
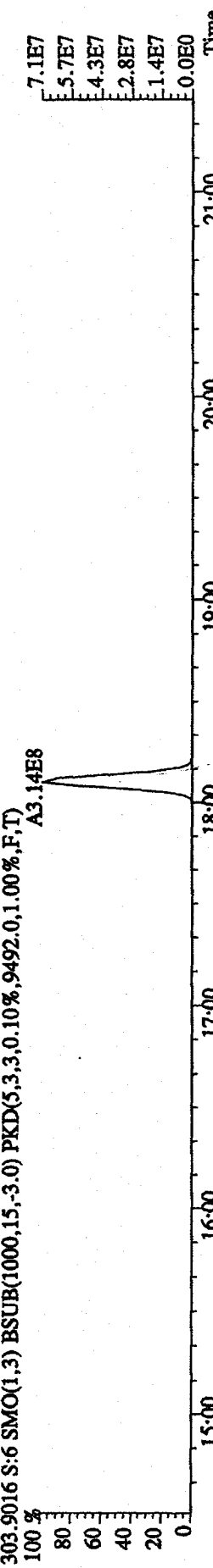
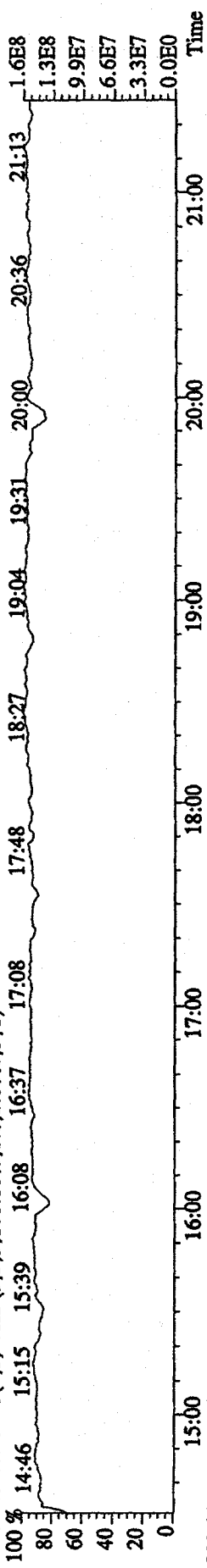
469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11280,0,1.00%,F,T)  
A1.33E8



471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11276,0,1.00%,F,T)  
A1.49E8



File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE  
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN  
 292.9825 S:6 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

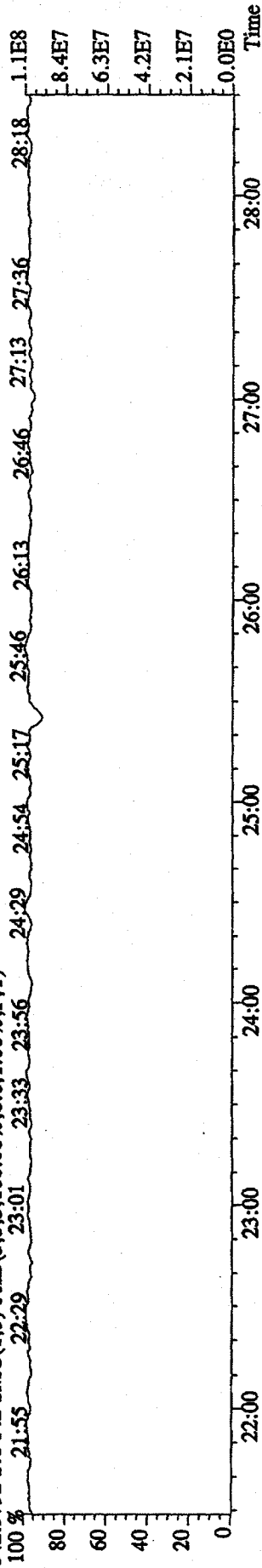


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

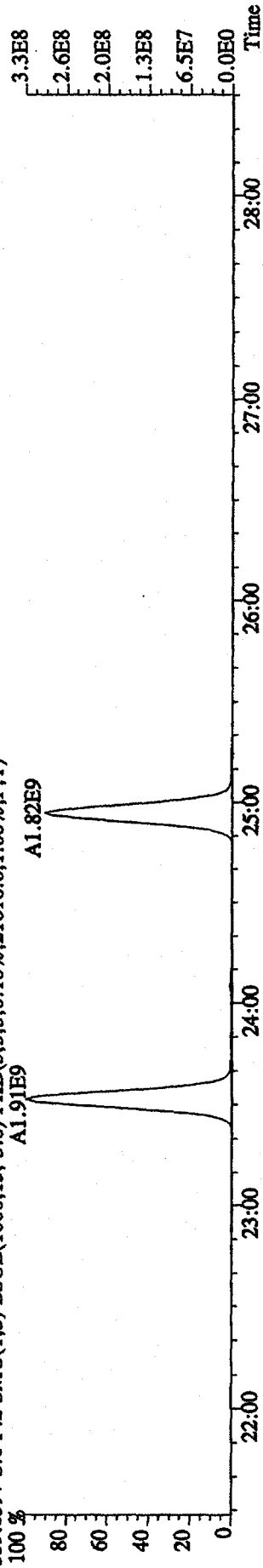
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 21:55 22:29 23:01 23:33 23:56 24:29 24:54 25:17 25:46 26:13 26:46 27:13 27:36 28:18



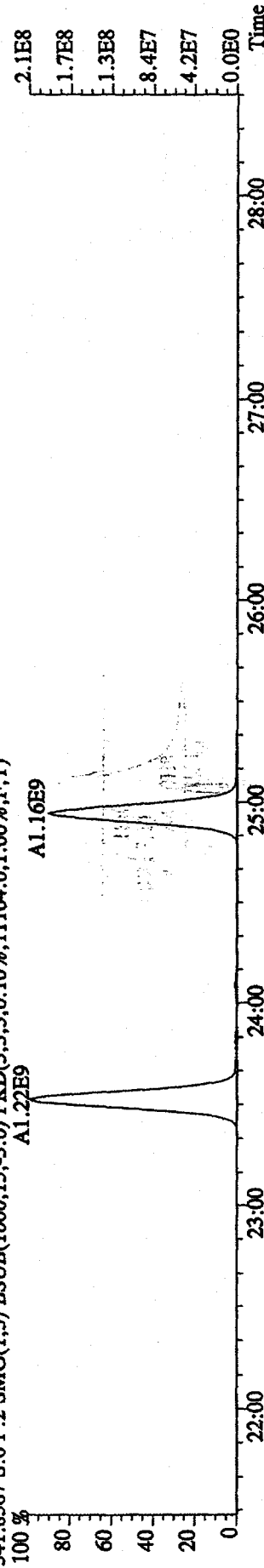
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,21616.0,1.00%,F,T)

100 % A1.91E9 A1.82E9



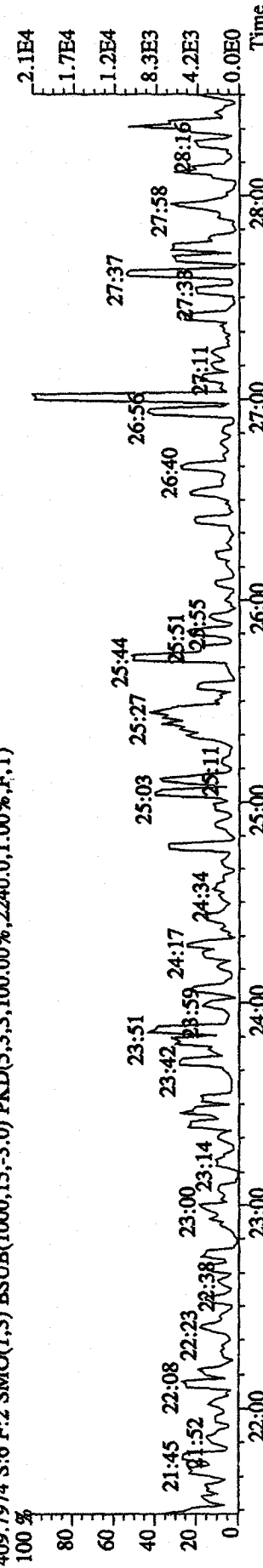
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)

100 % A1.22E9 A1.16E9



409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2240.0,1.00%,F,T)

100 %

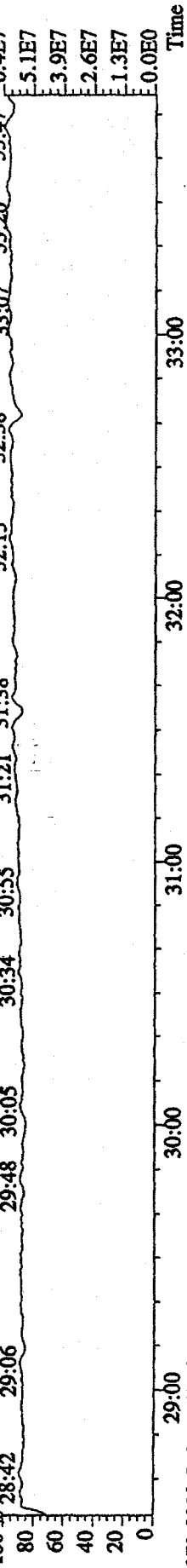


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

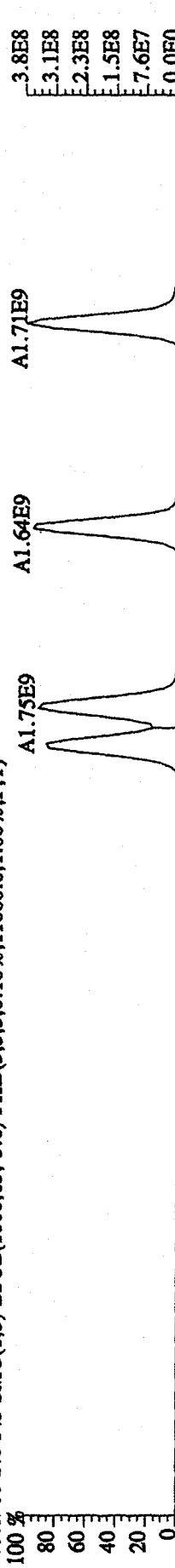
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

392.9760 S:6 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

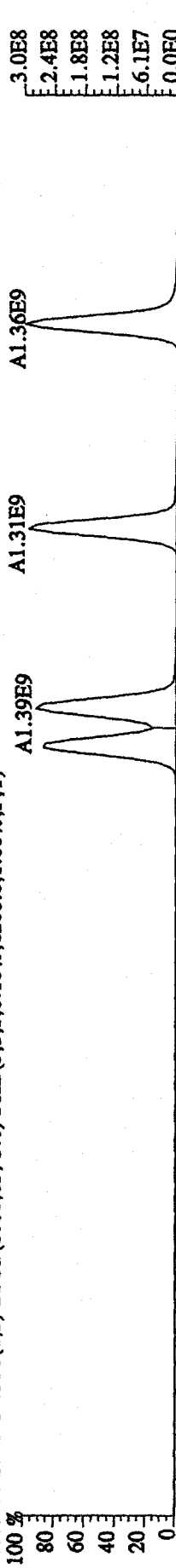
100 % 28:42 29:06 29:48 30:05 30:34 30:55 31:21 31:38 32:13 32:38 33:07 33:26 33:47 6.4E7



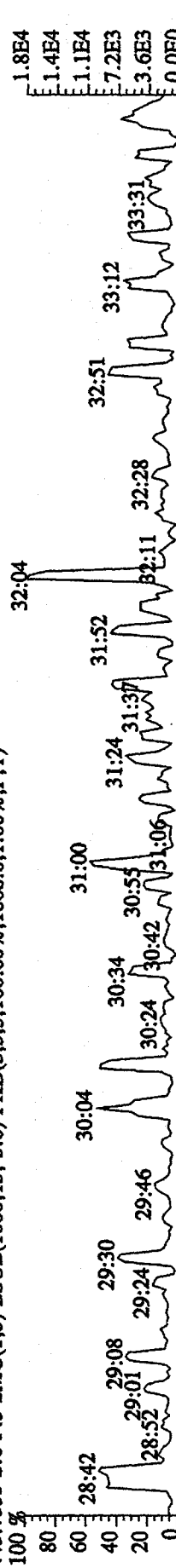
373.8208 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,11080.0,1.00%,F,T)



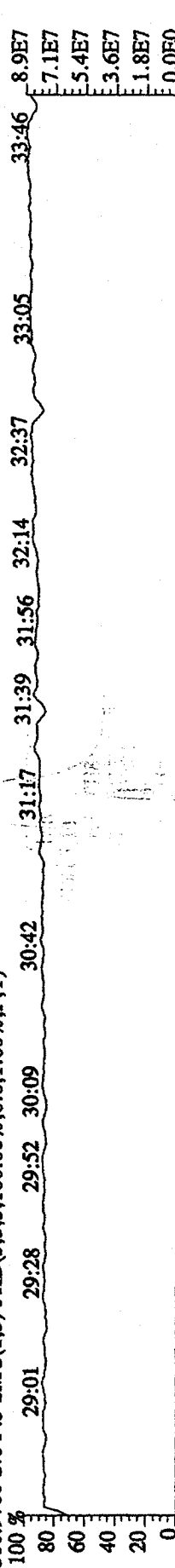
375.8178 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,6268.0,1.00%,F,T)



445.7555 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1868.0,1.00%,F,T)



380.9760 S:6 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

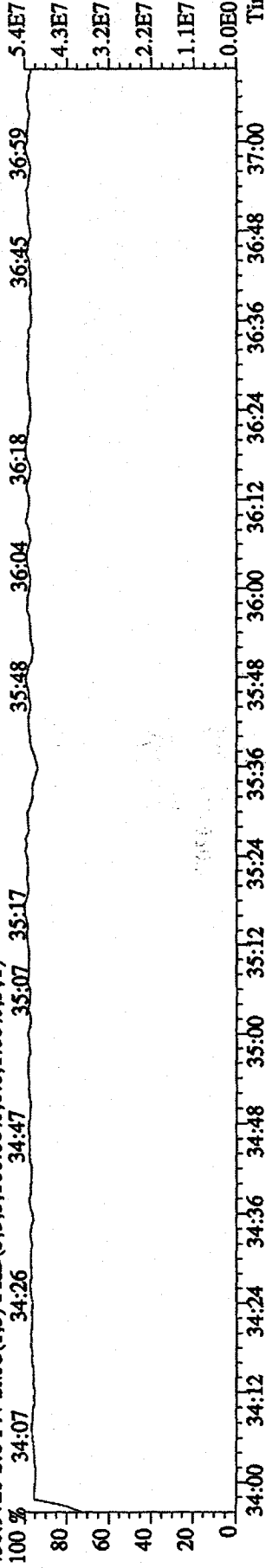


File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

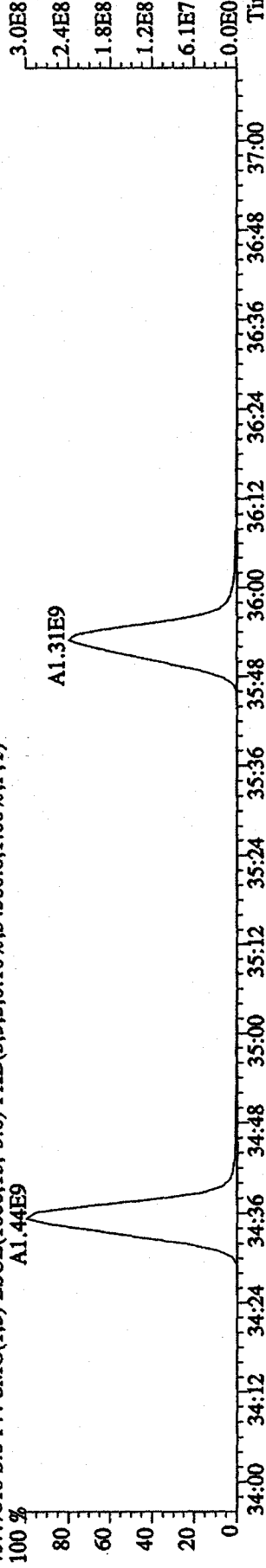
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

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

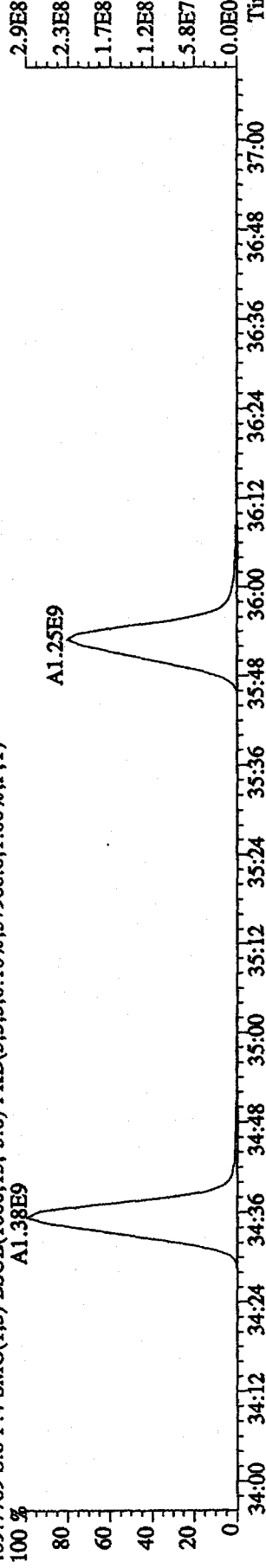
100 % 34:07 34:26 34:47 35:07 35:17



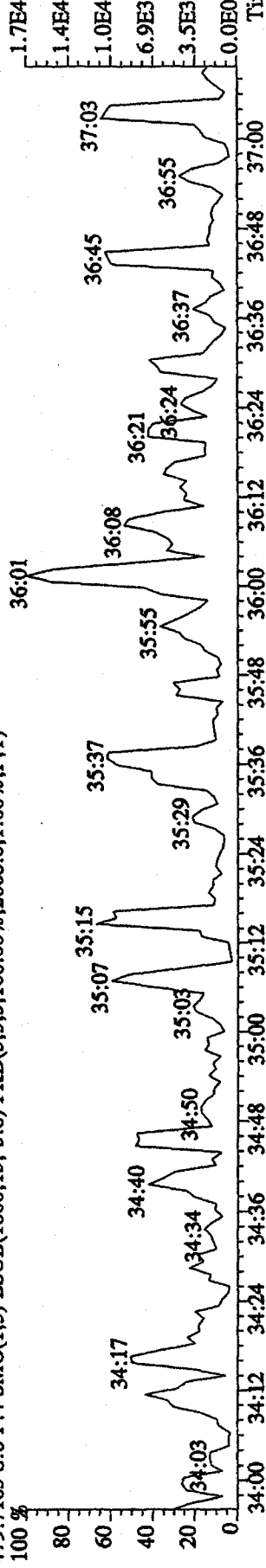
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34380.0,1.00%,F,T)



409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57968.0,1.00%,F,T)



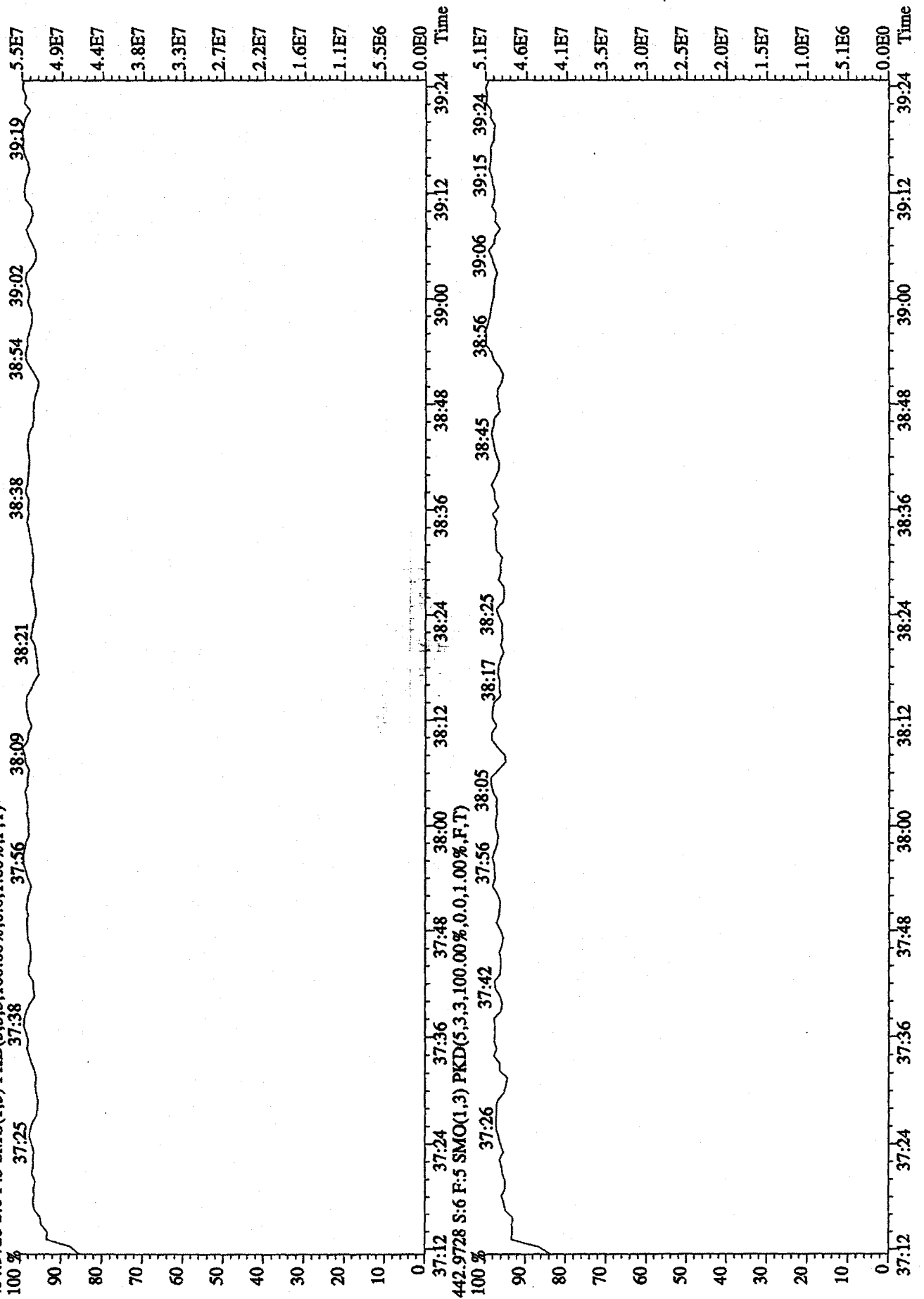
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2668.0,1.00%,F,T)



File:31DE09AIDS #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

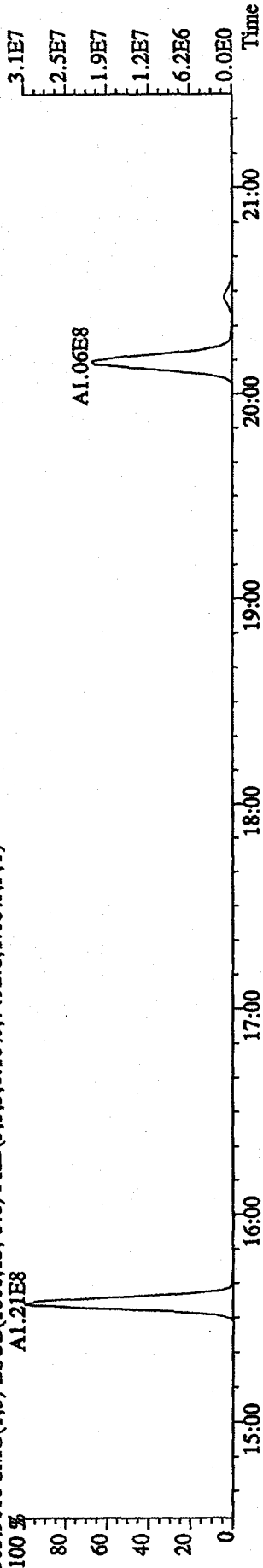
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

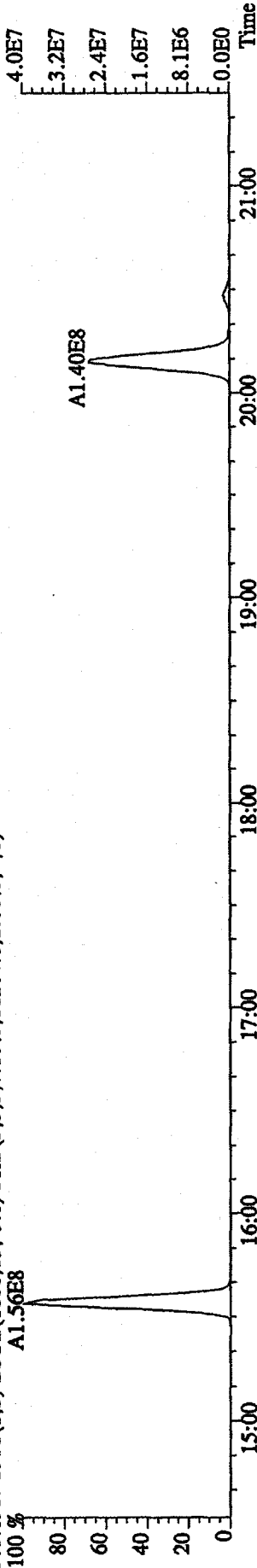




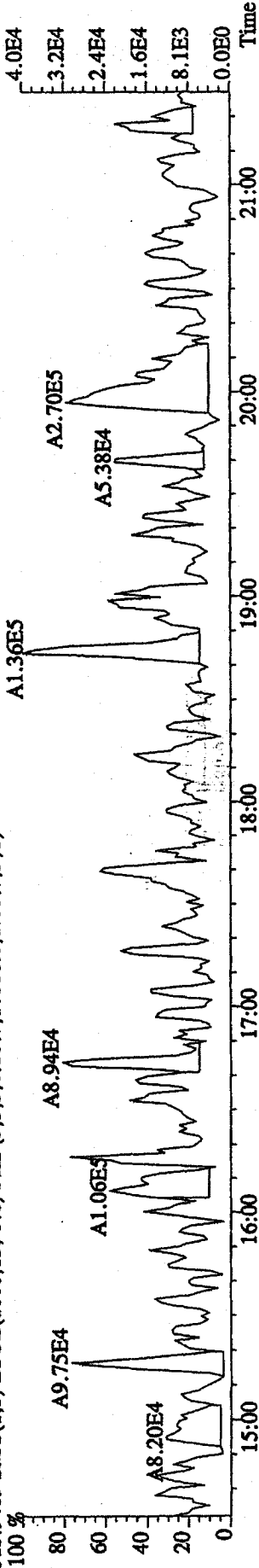
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)  
 100 % A1.21E8



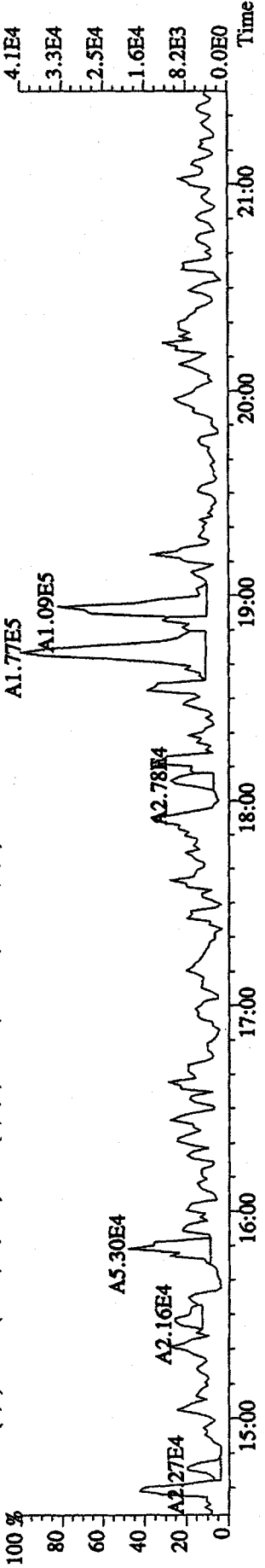
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11284.0,1.00%,F,T)  
 100 % A1.56E8



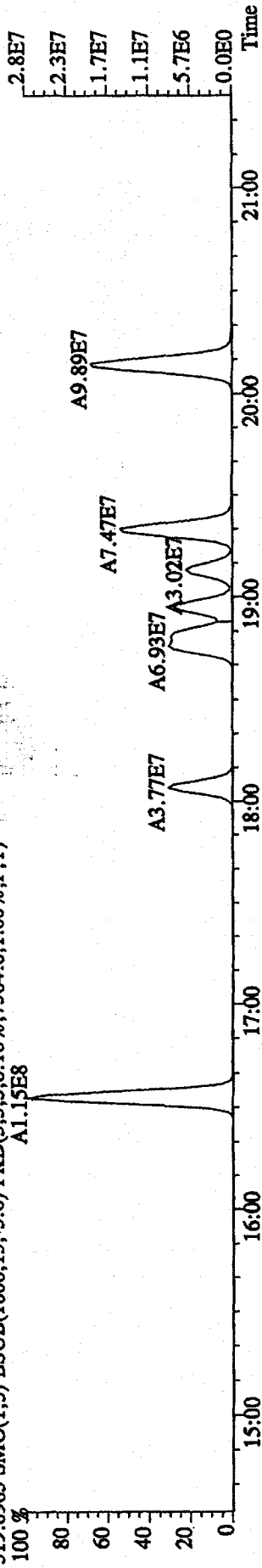
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10816.0,1.00%,F,T)  
 100 %



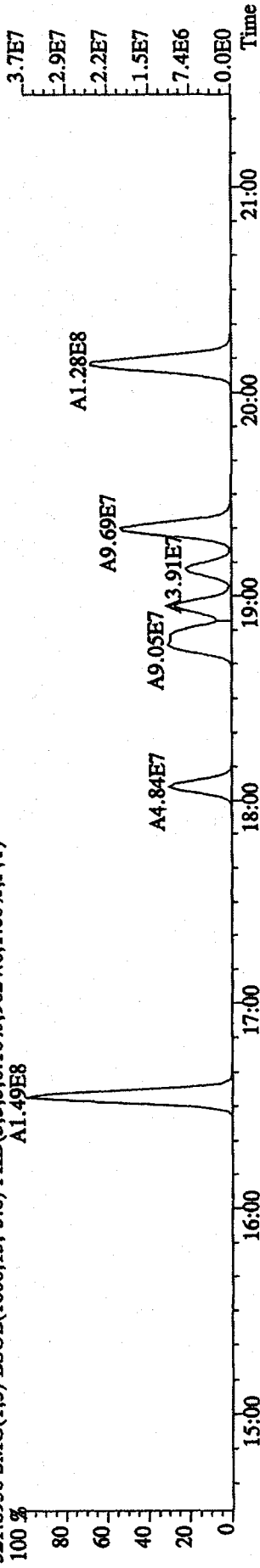
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6436.0,1.00%,F,T)  
 100 %



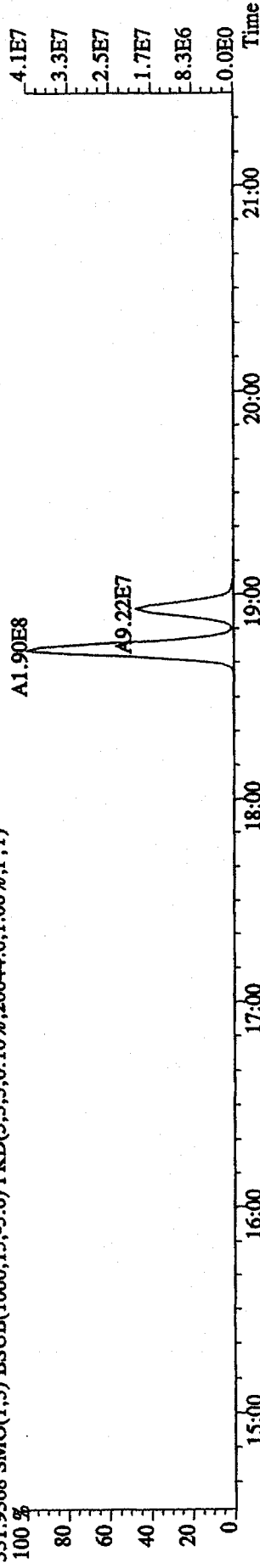
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR\_70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9624.0,1.00%,F,T)  
 A1.15E8



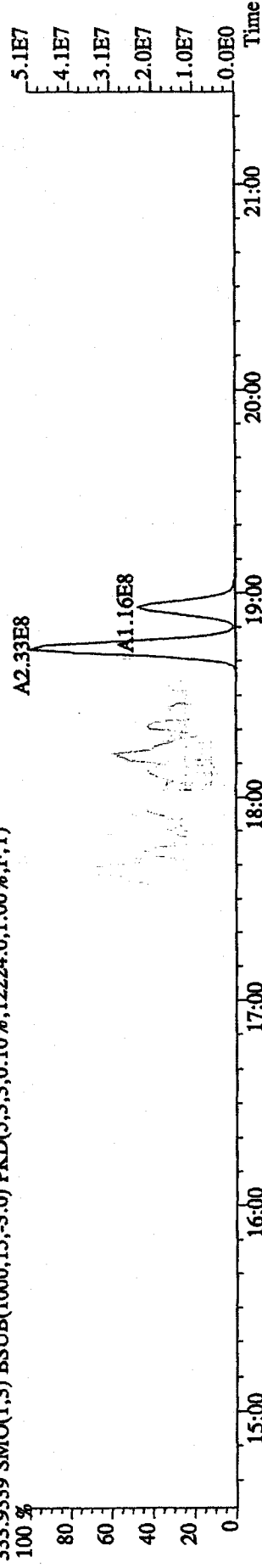
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20044.0,1.00%,F,T)  
 A1.49E8



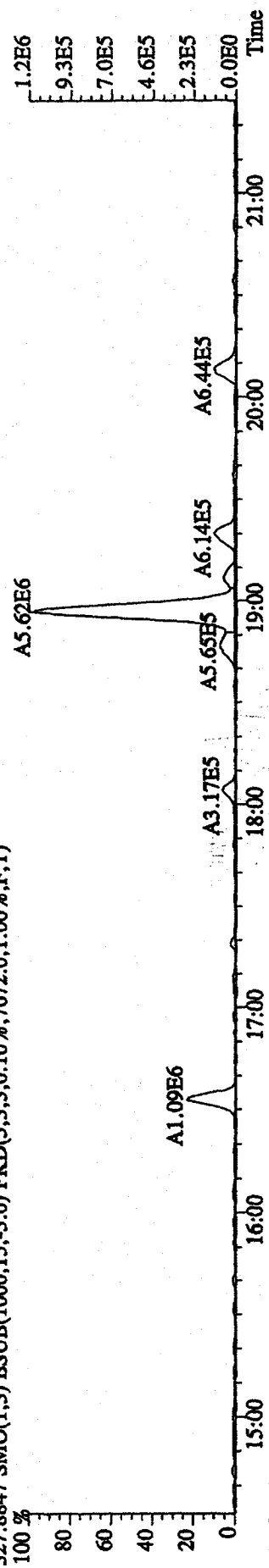
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12224.0,1.00%,F,T)



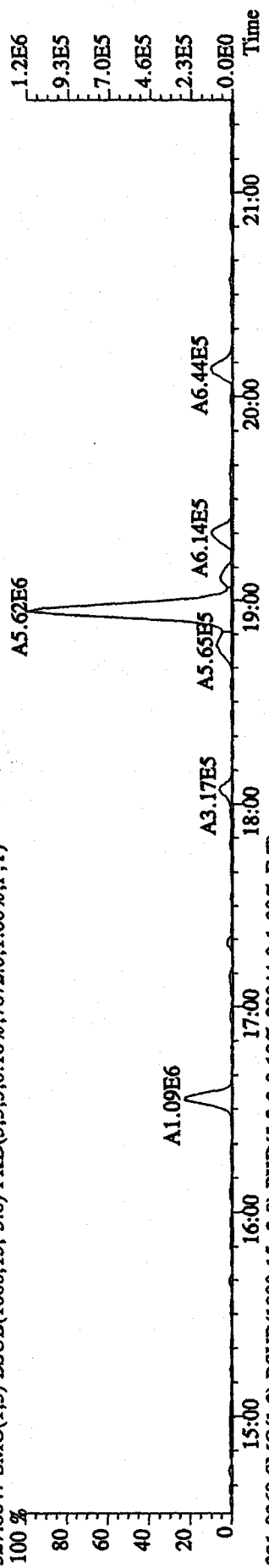
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12224.0,1.00%,F,T)



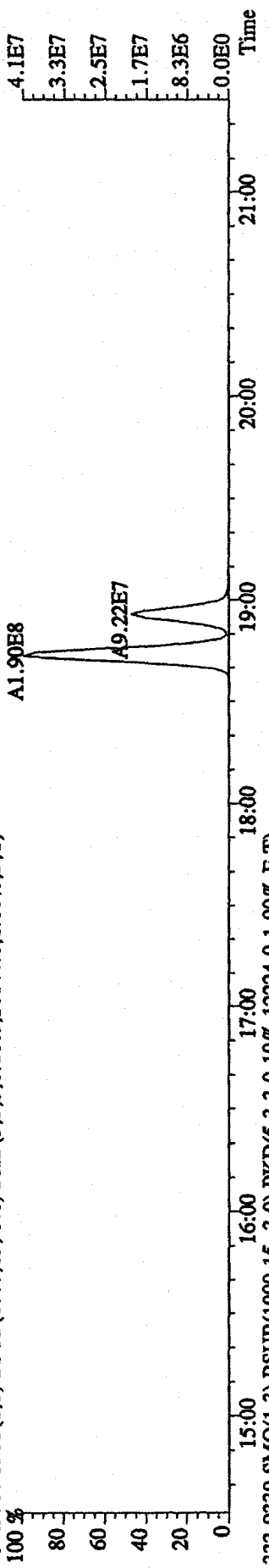
File: 31DE09A1D5 #1-410 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN  
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7672.0,1.00%,F,T)



327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7672.0,1.00%,F,T)

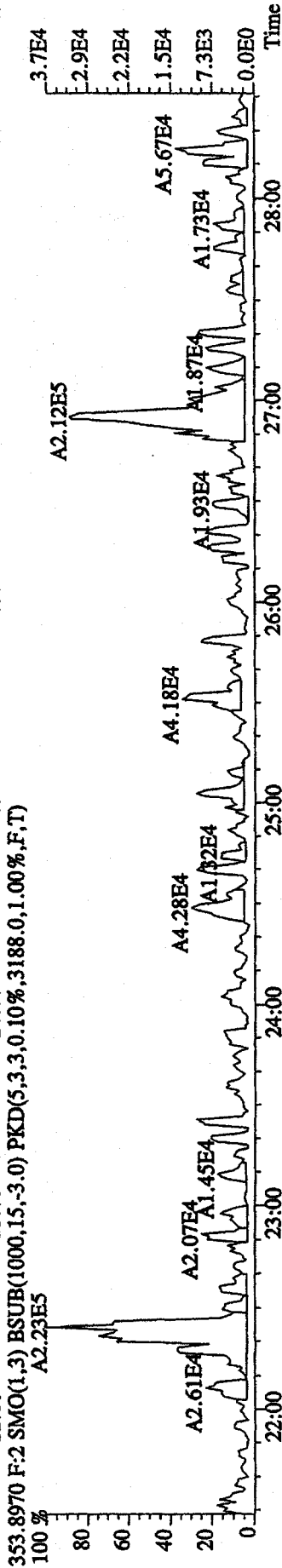
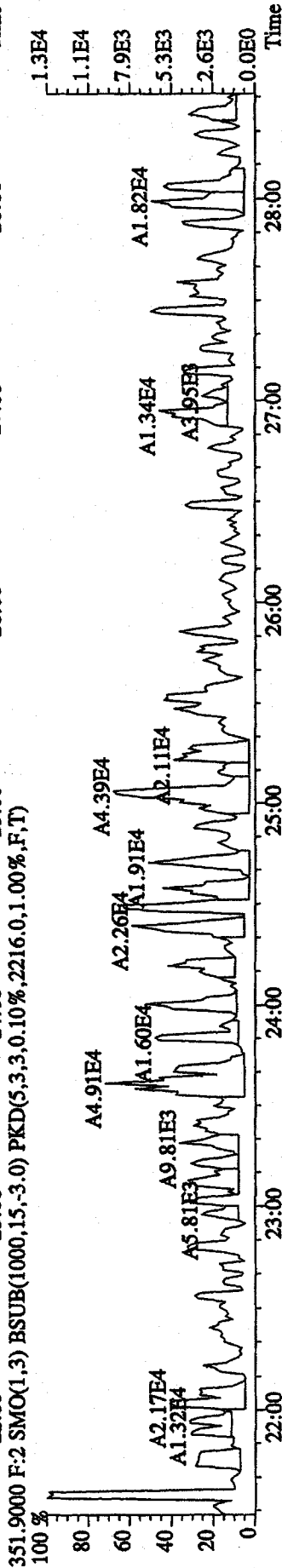
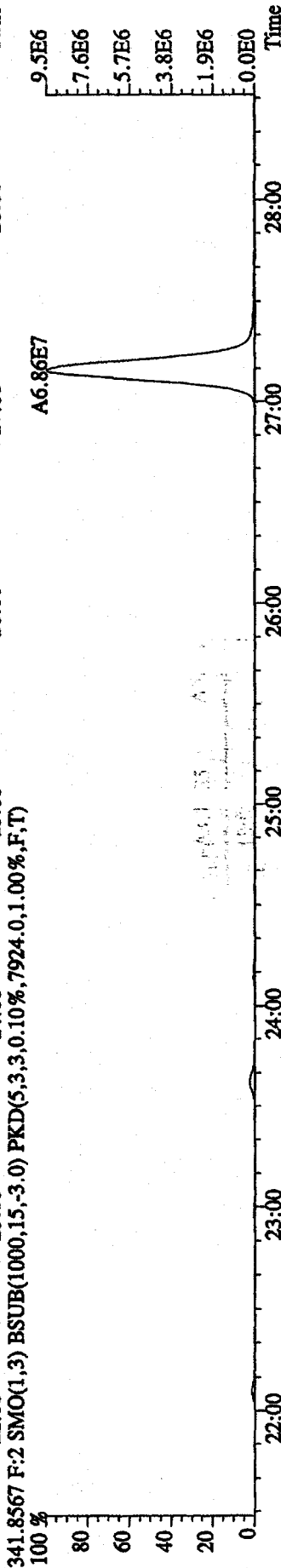
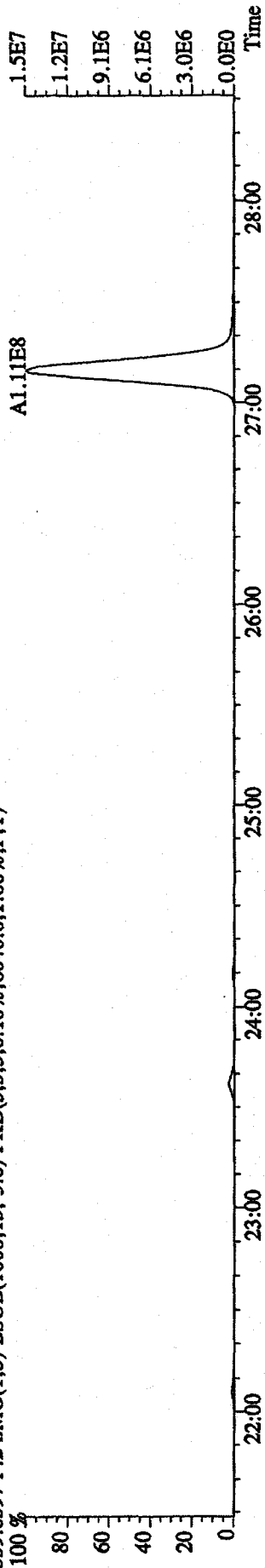


331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20044.0,1.00%,F,T)

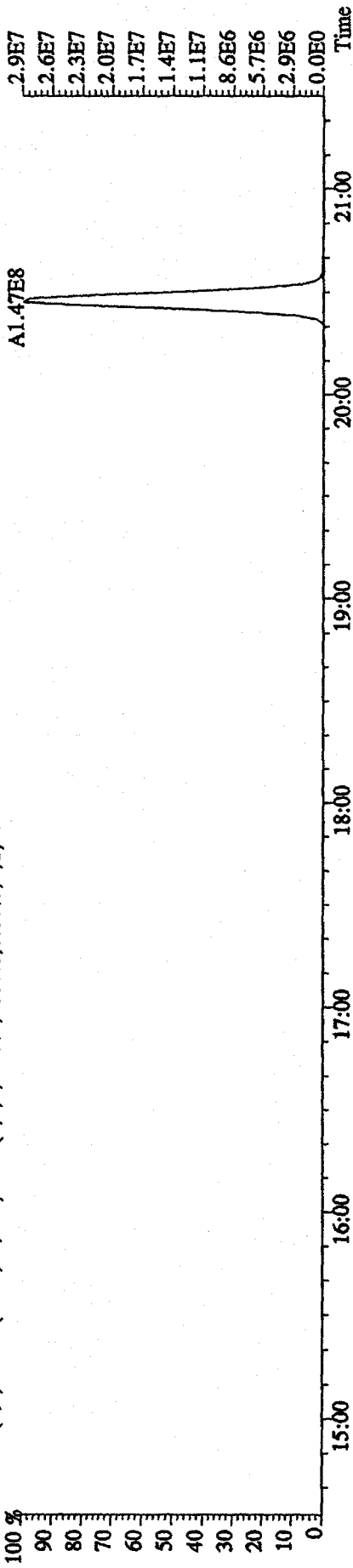


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12224.0,1.00%,F,T)

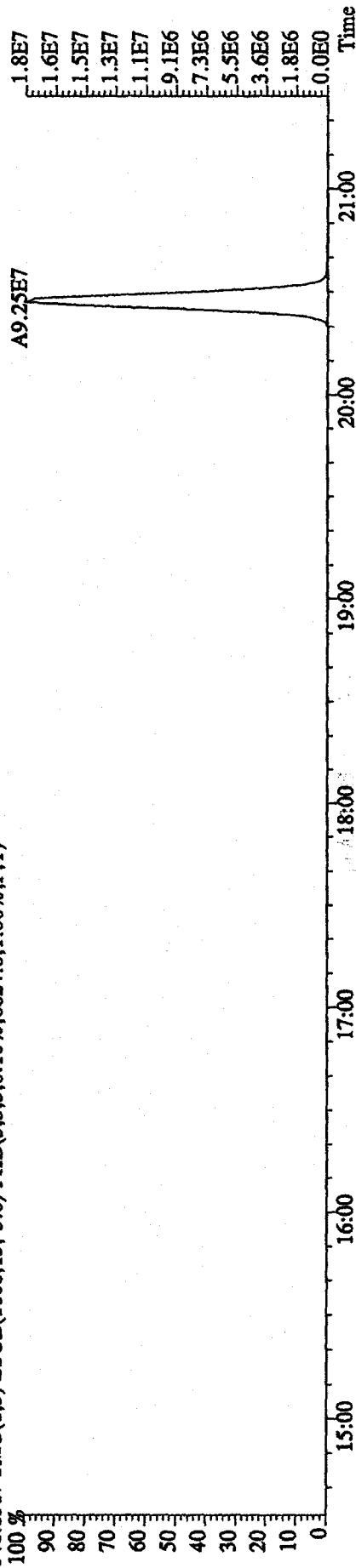
File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 339.8597 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,6040.0,1.00%,F,T)



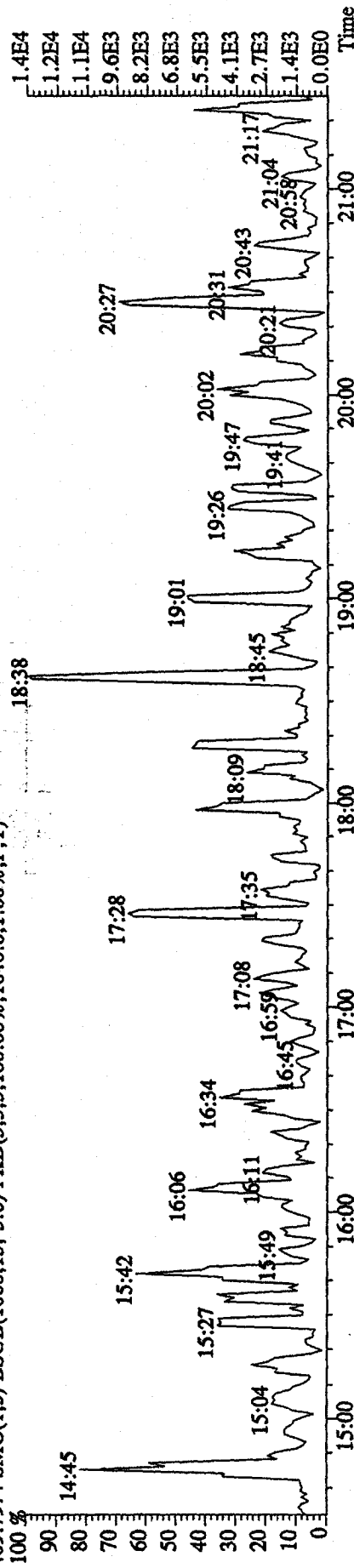
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 339.8597 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4608.0,1.00%,F,T)



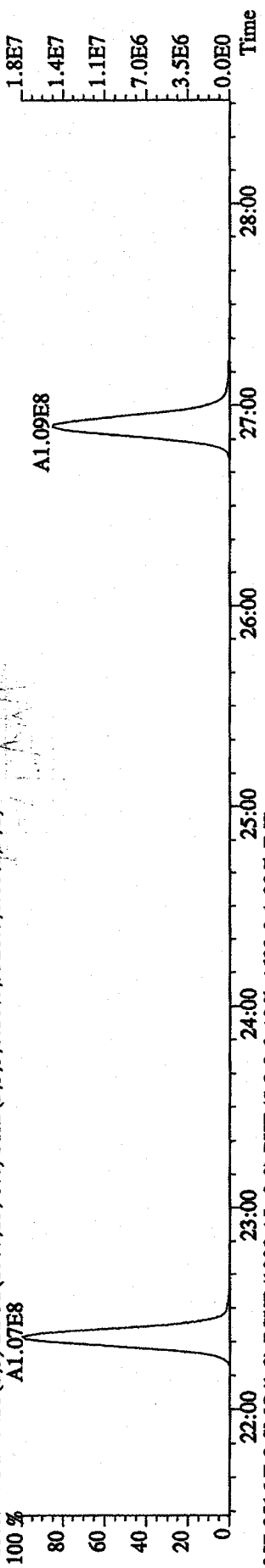
341.8567 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6624.0,1.00%,F,T)



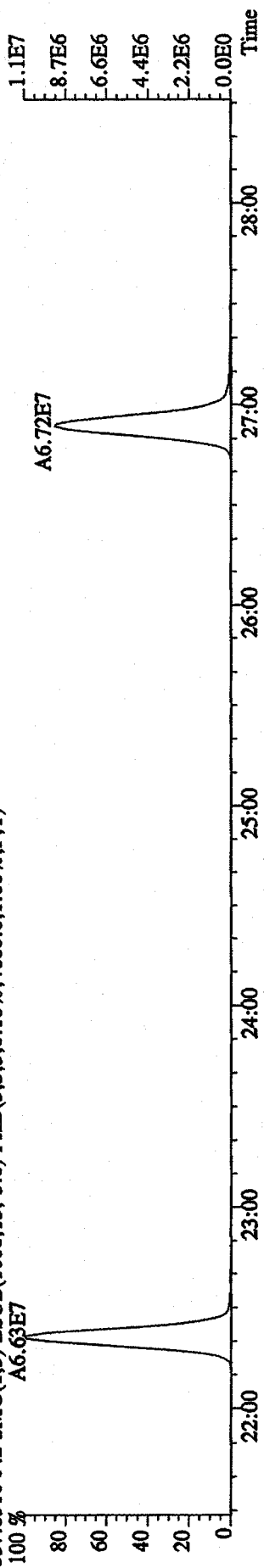
409.7974 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100.00%,1640.0,1.00%,F,T)



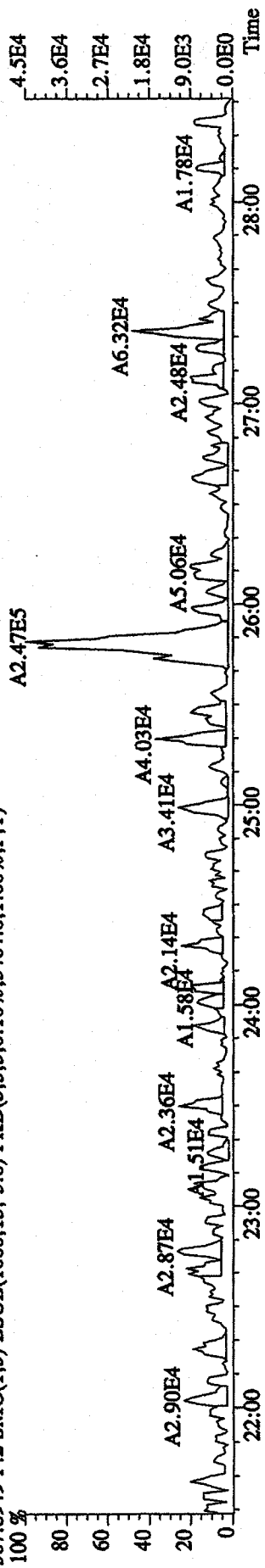
File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9928,0.1,0.00%,F,T)  
 1.07E8  
 A1.07E8



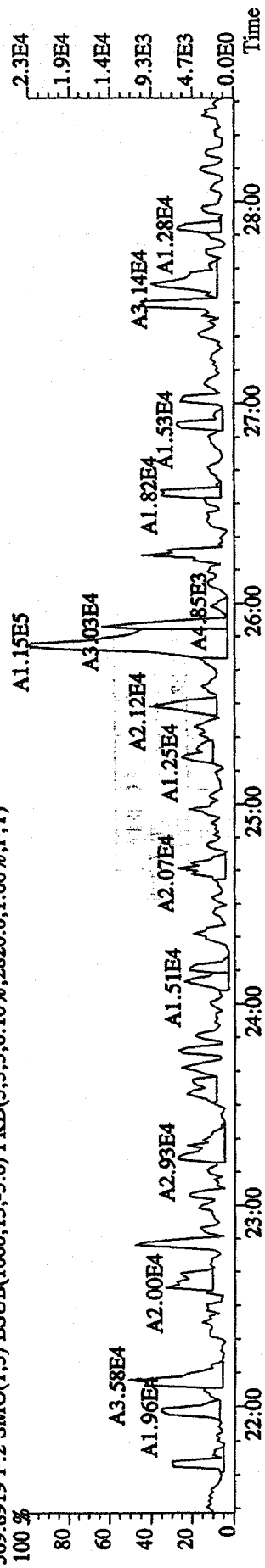
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4680,0.1,0.00%,F,T)  
 A6.63E7



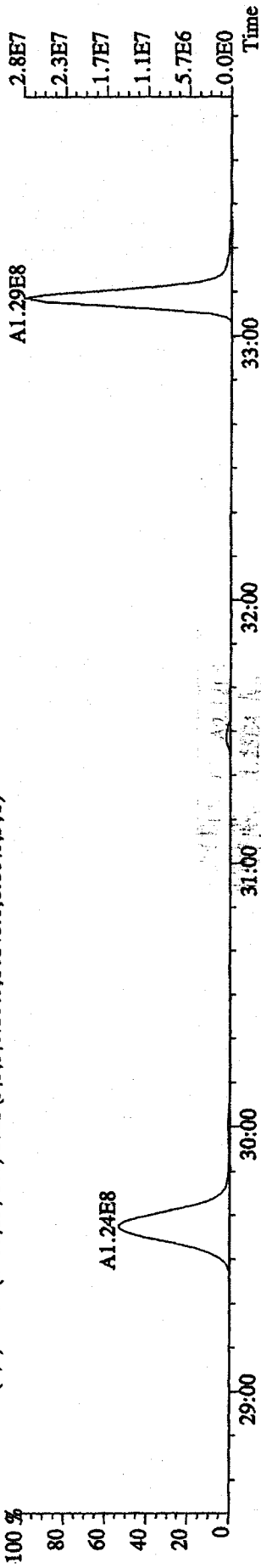
367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484,0.1,0.00%,F,T)



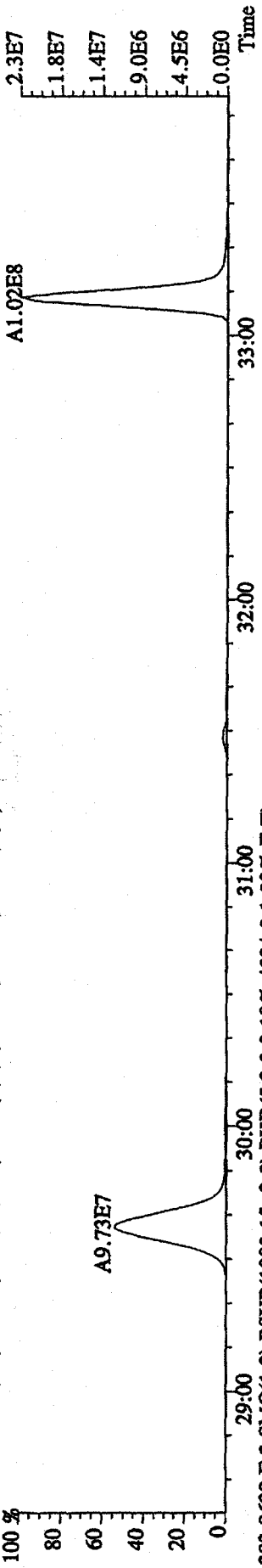
369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2820,0.1,0.00%,F,T)



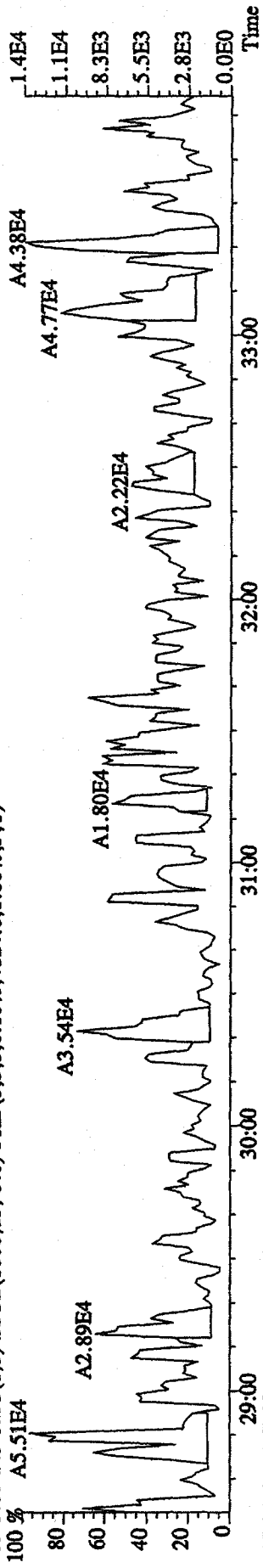
File:31DE09AID5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16148.0,1.00%,F,T)



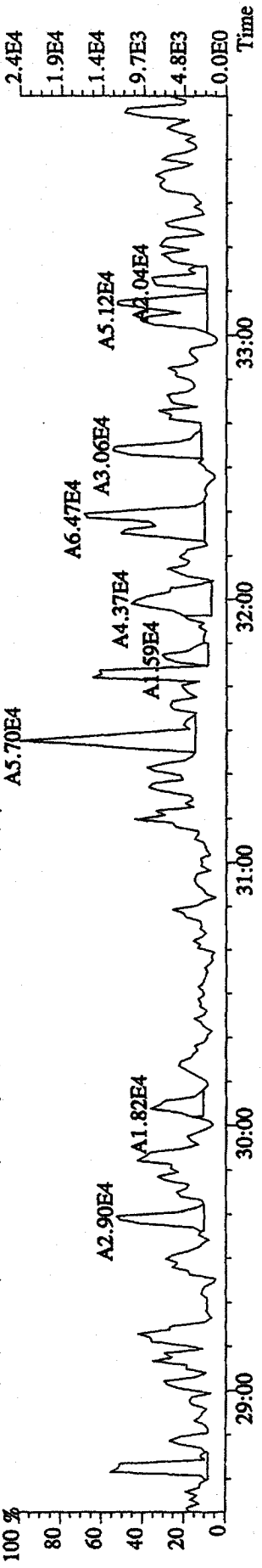
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7720.0,1.00%,F,T)



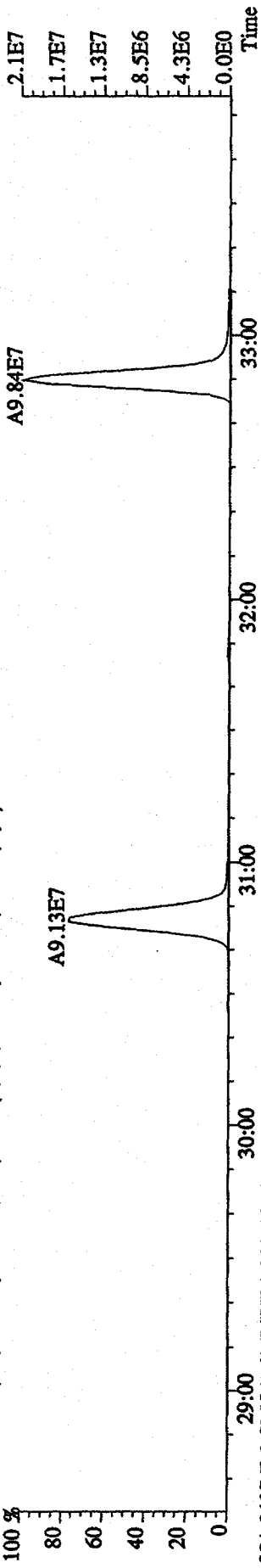
383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4824.0,1.00%,F,T)



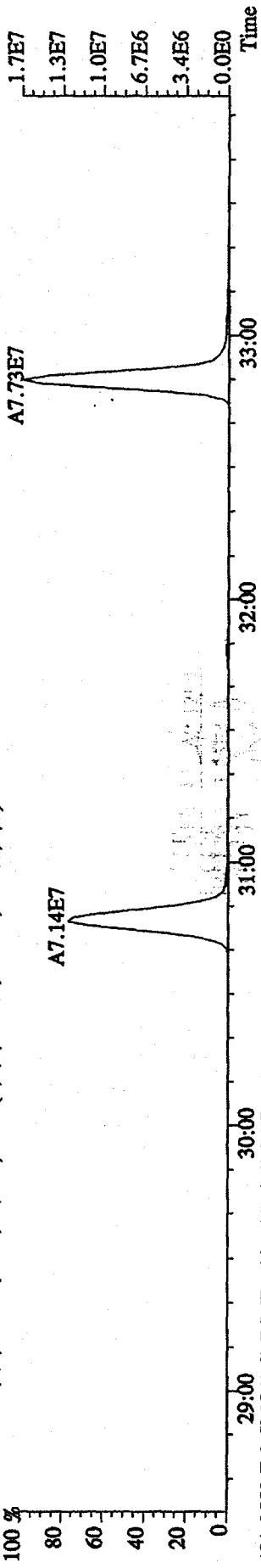
385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5640.0,1.00%,F,T)



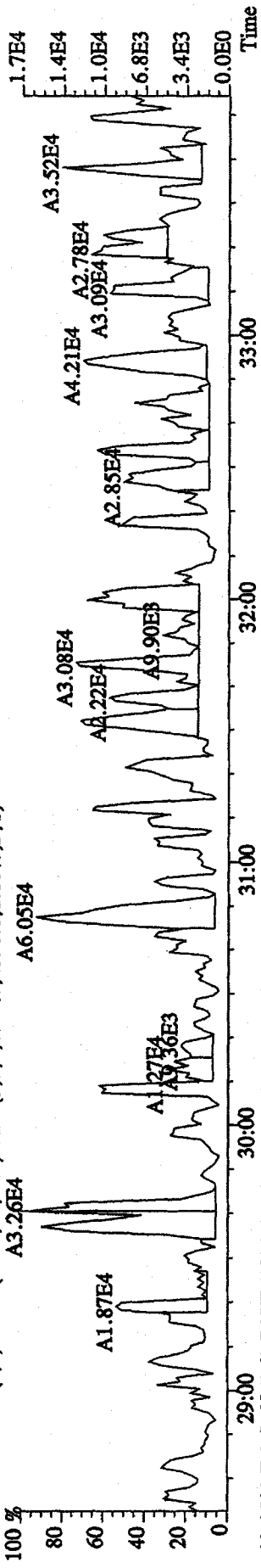
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9424.0,1.00%,F,T)



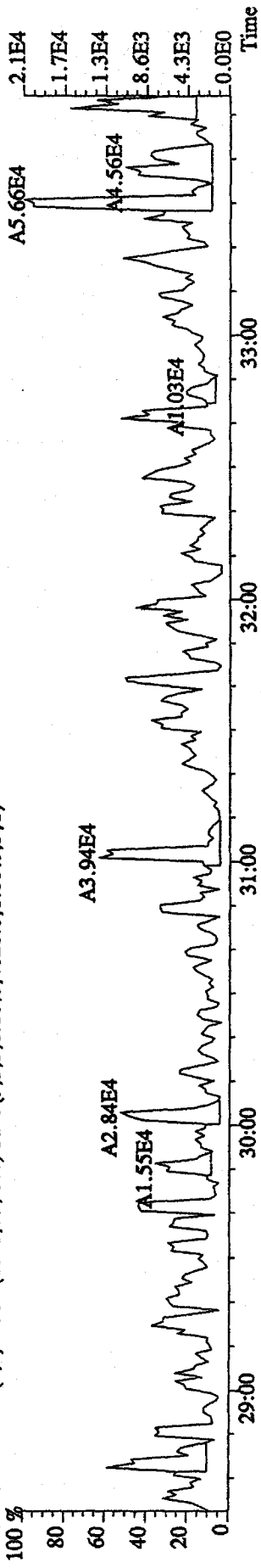
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6172.0,1.00%,F,T)



401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4596.0,1.00%,F,T)

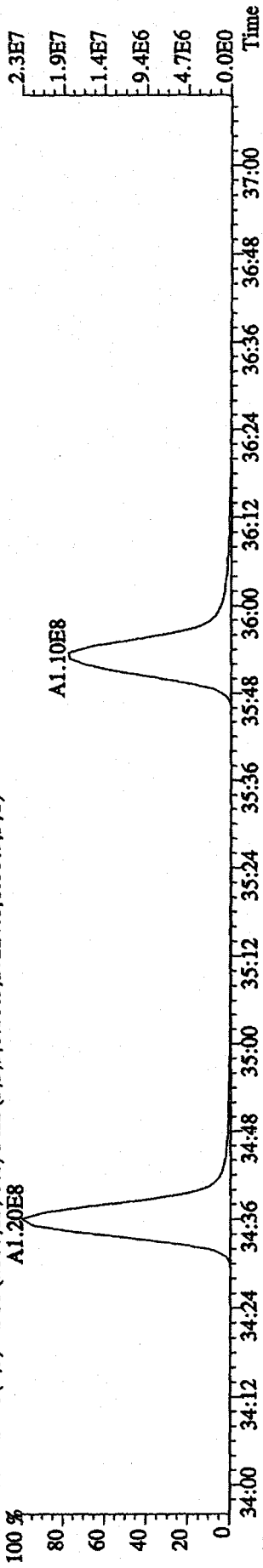


403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4620.0,1.00%,F,T)

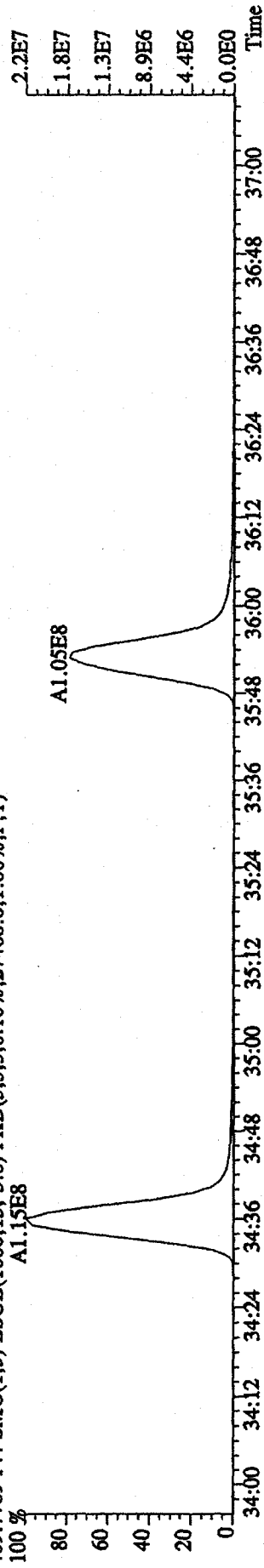




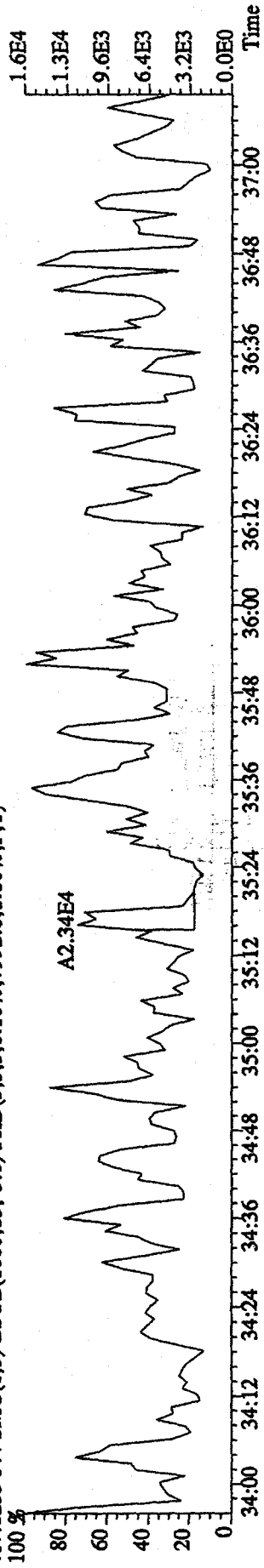
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 407.7818 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,27224.0,1.00%,F,T)



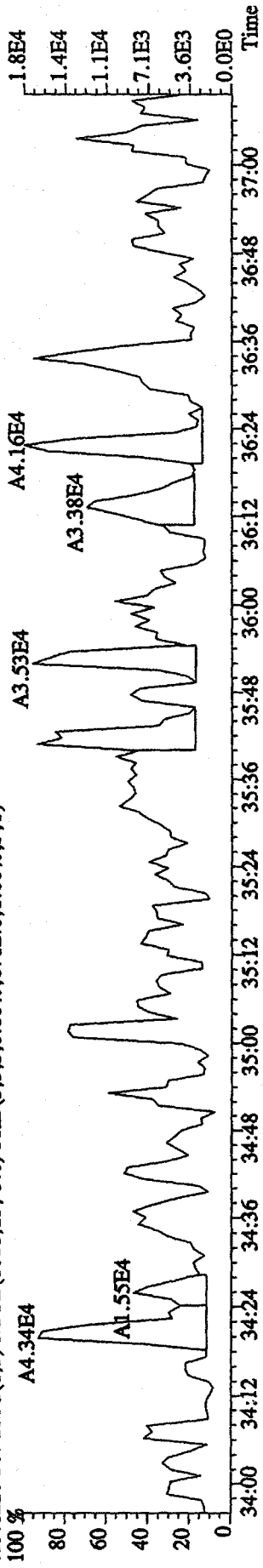
409.7789 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,27468.0,1.00%,F,T)



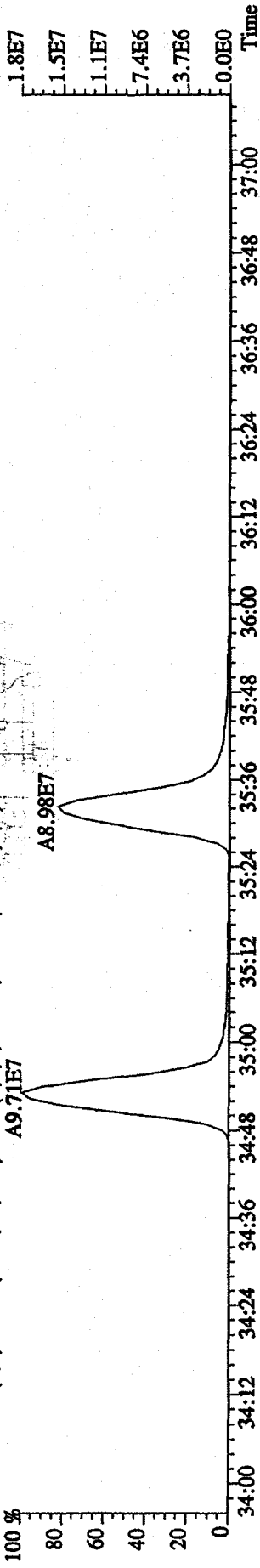
417.8253 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7992.0,1.00%,F,T)



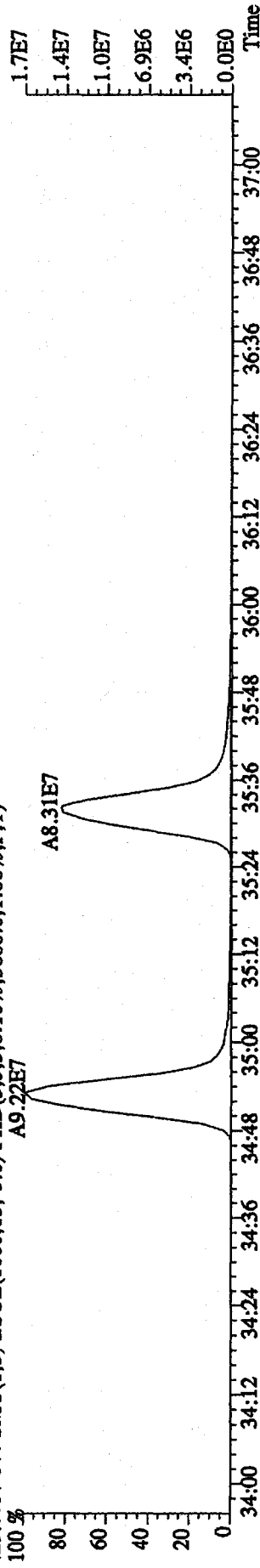
419.8220 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6712.0,1.00%,F,T)



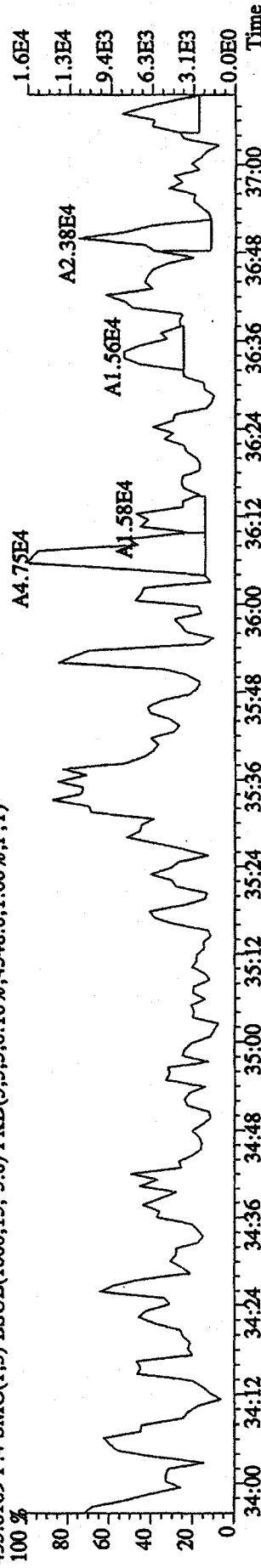
File: 31DE09A1D5 #1-228 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CPI231A :DB-5 CPSM 3732.04 Exp: DIOXIN  
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8844,0,1.00%,F,T)  
 A9.71E7



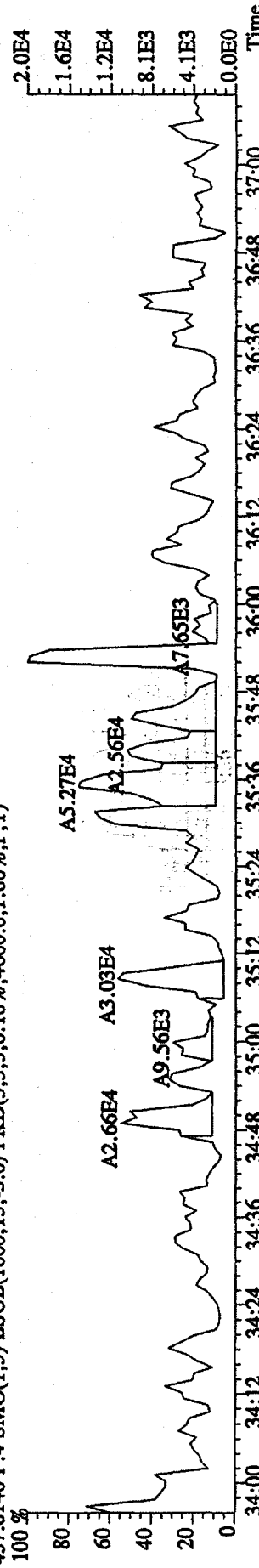
425.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5688,0,1.00%,F,T)  
 A9.22E7



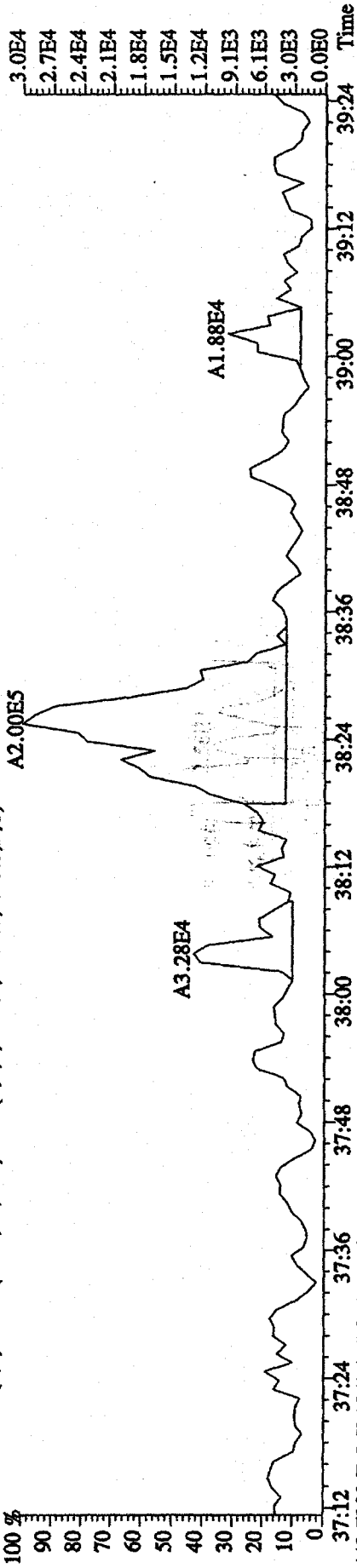
435.8169 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548,0,1.00%,F,T)



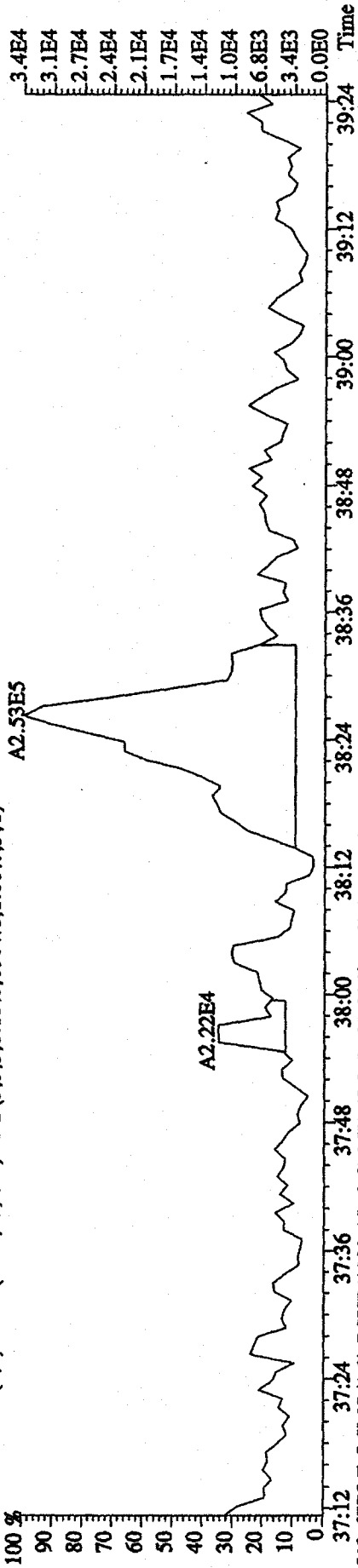
437.8140 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600,0,1.00%,F,T)



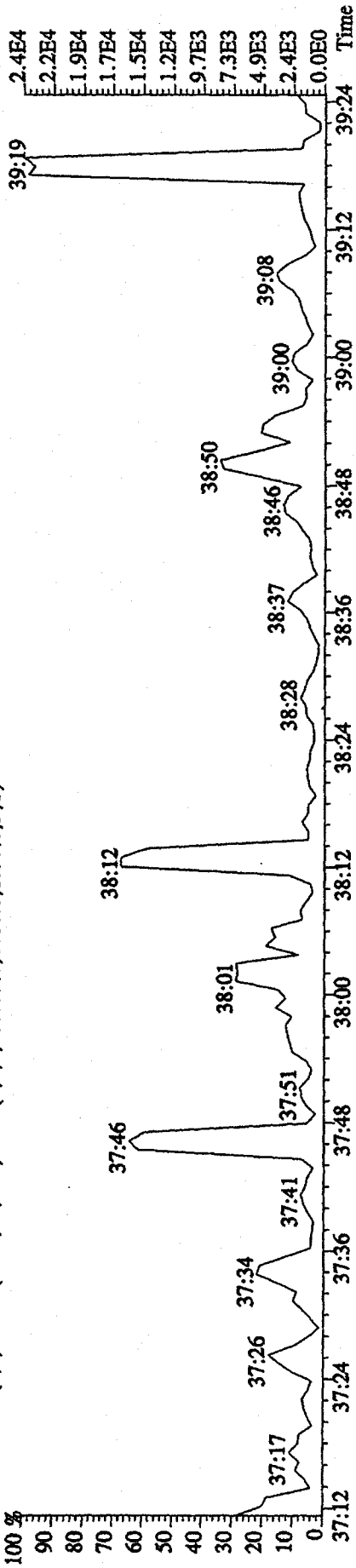
File: 31DE09A1D5 #1-161 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN  
 441.7428 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4780.0,1.00%,F,T)



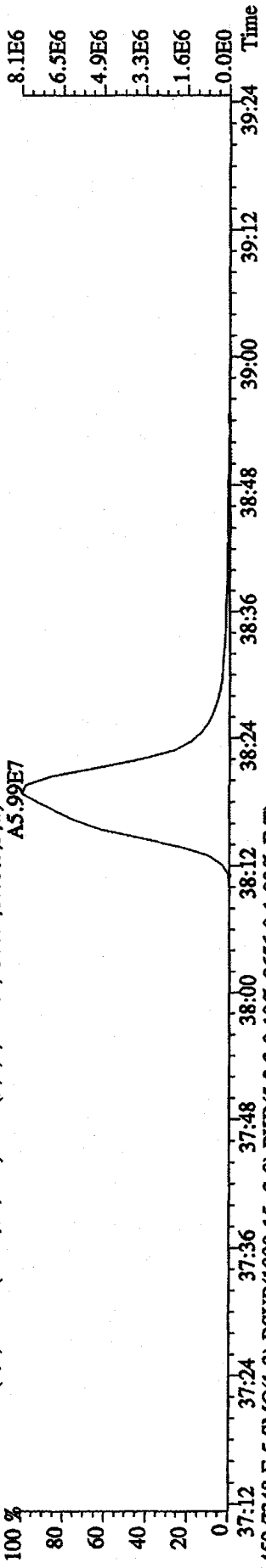
443.7399 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6504.0,1.00%,F,T)



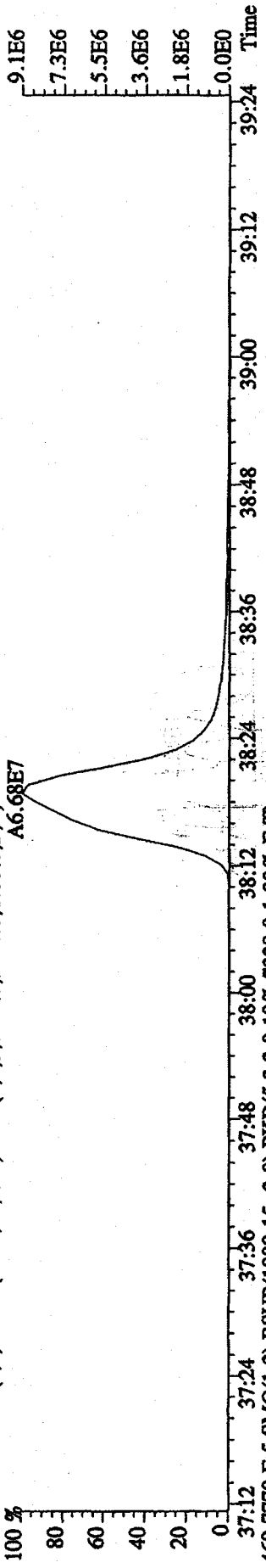
513.6775 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,5.100.00%,1860.0,1.00%,F,T)



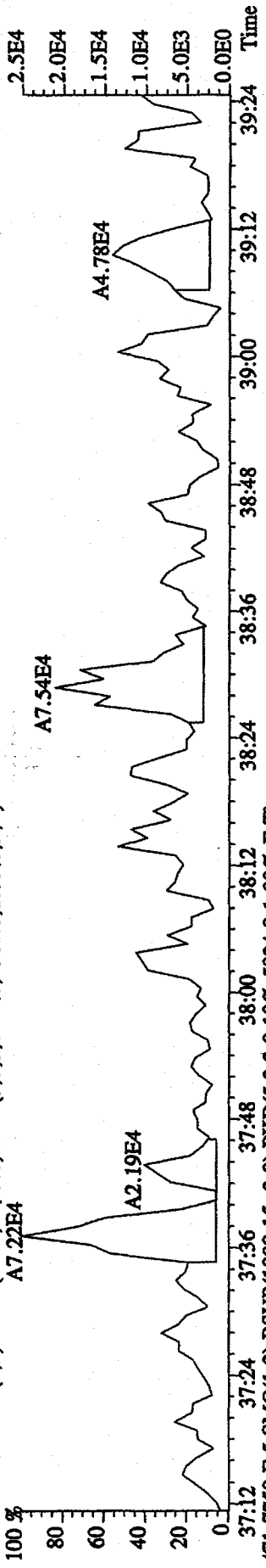
File:31DE09AID5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CPI231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7308.0,1.00%,F,T)  
 A5.99E7



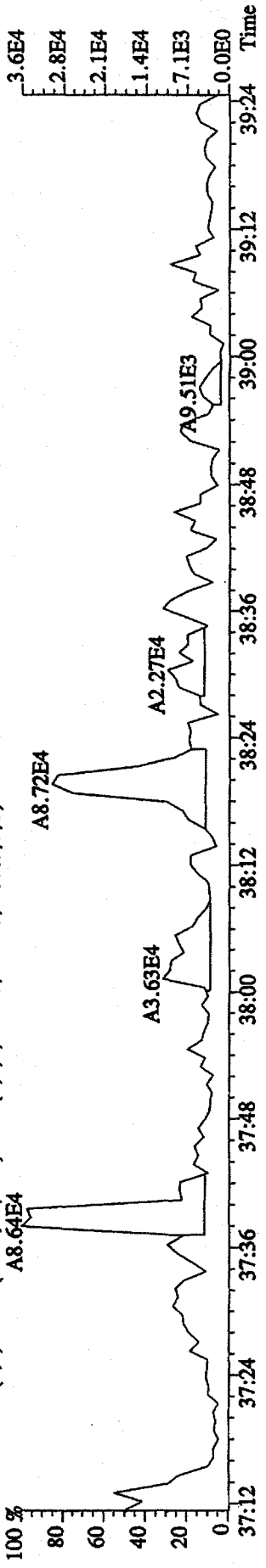
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9656.0,1.00%,F,T)  
 A6.68E7



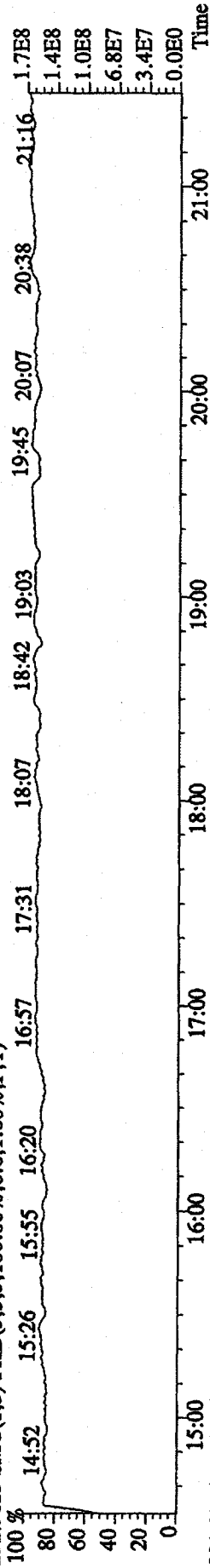
469.7779 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7328.0,1.00%,F,T)



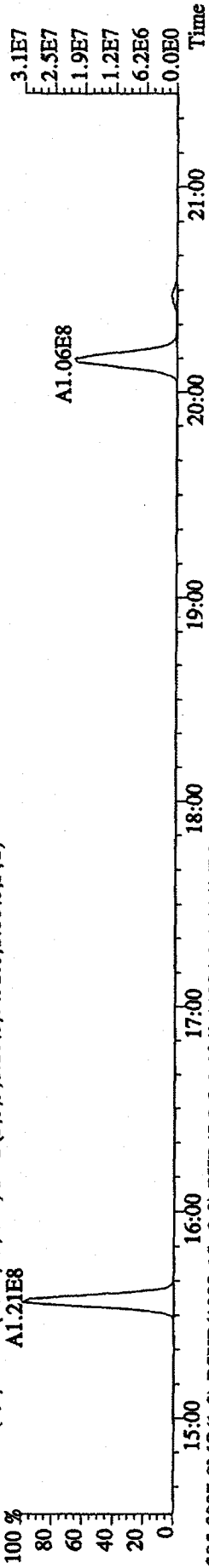
471.7750 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5024.0,1.00%,F,T)



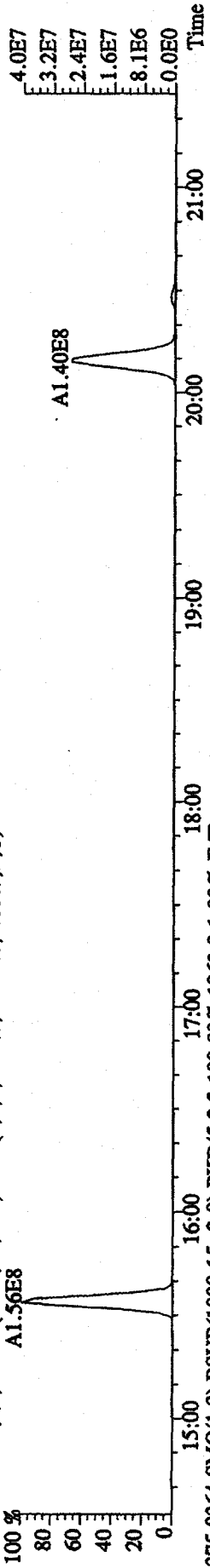
File:31DE09AID5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



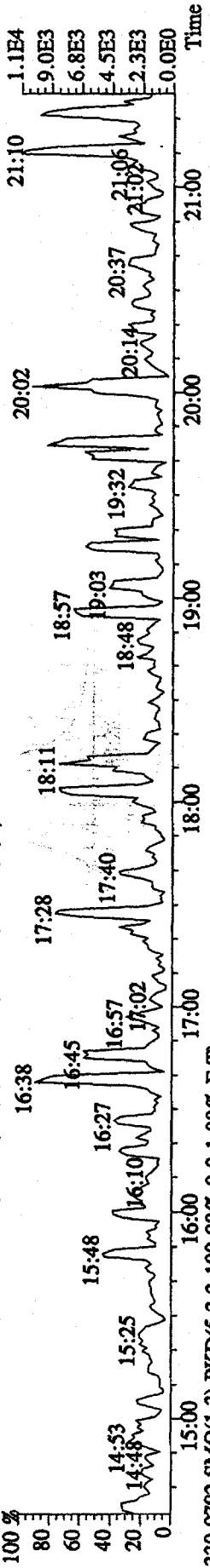
303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)



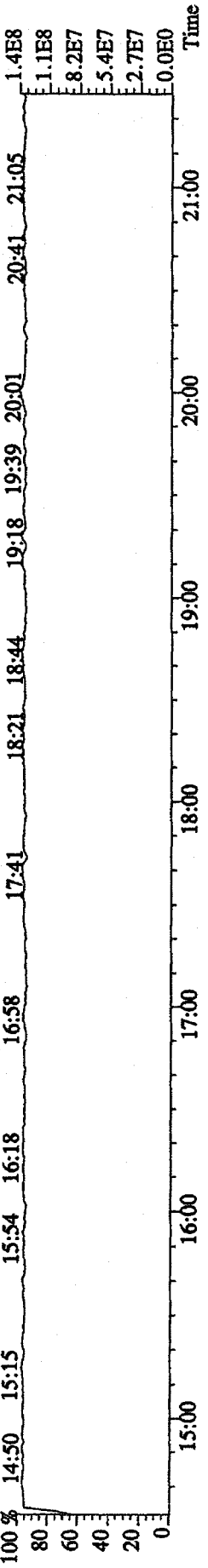
305.8987 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11284.0,1.00%,F,T)



375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1960.0,1.00%,F,T)



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

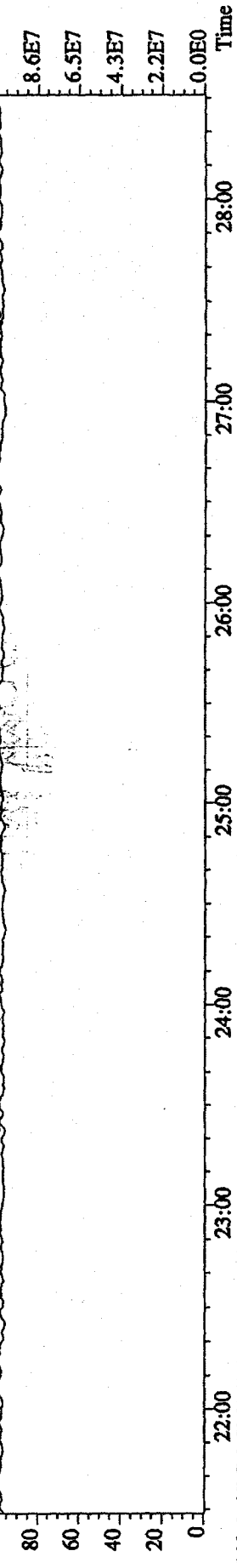


File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

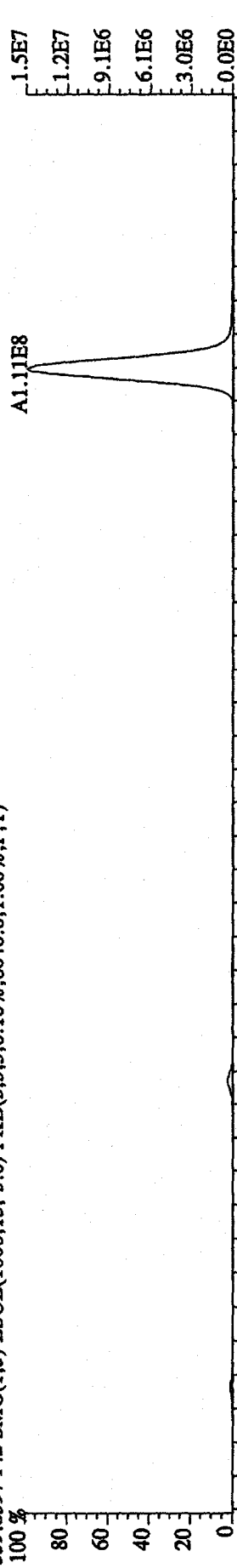
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

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

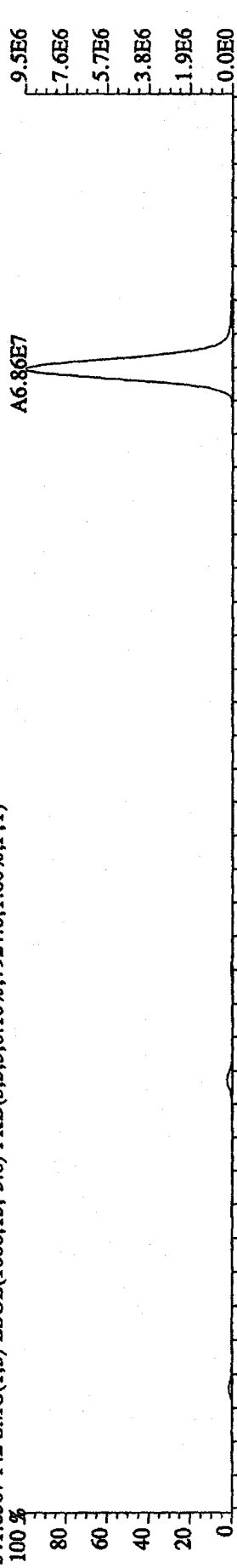
100 % 22:14 22:55 23:31 24:03 24:29 24:56 25:34 26:09 26:40 27:23 27:50 28:29 1.1E8



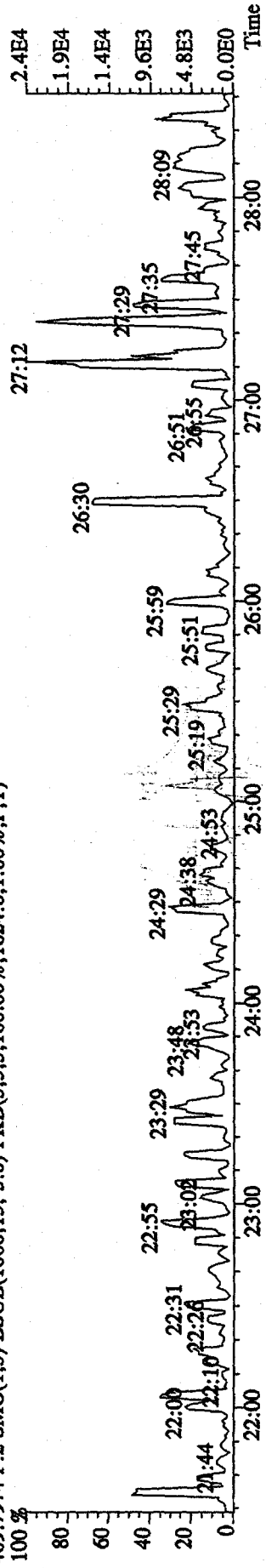
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6040.0,1.00%,F,T)



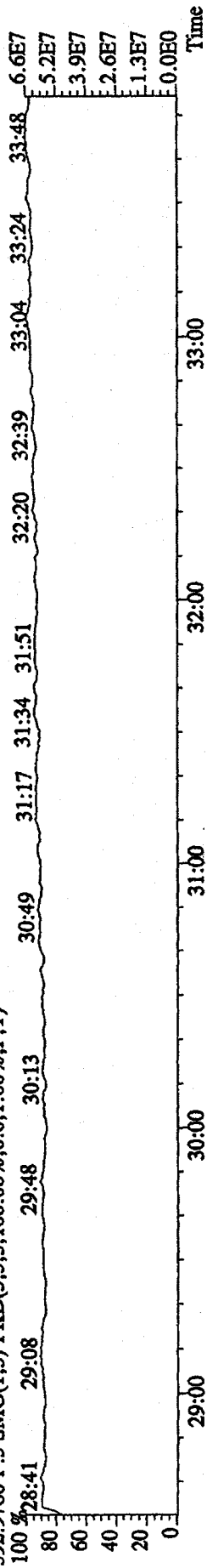
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7924.0,1.00%,F,T)



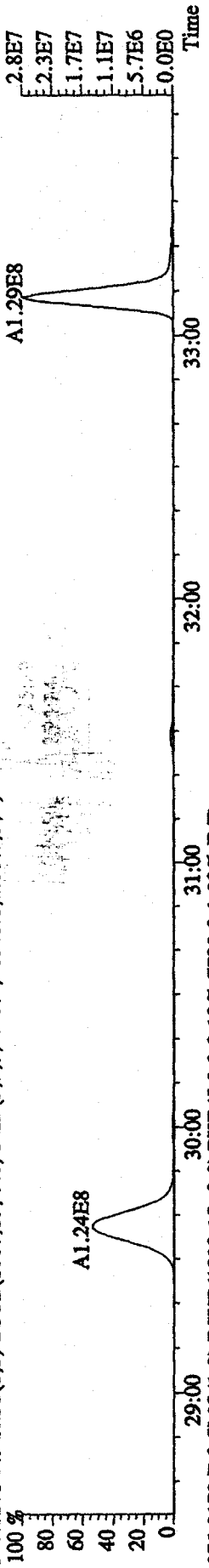
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1624.0,1.00%,F,T)



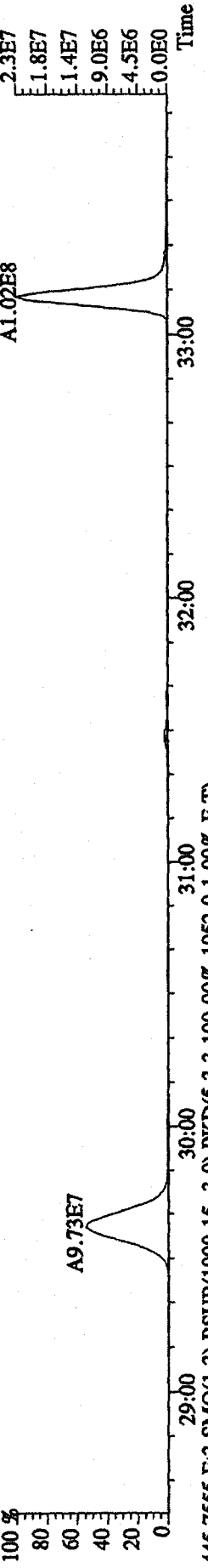
File: 31DE09A1D5 #1-361 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CPI231A :DB-5 CPSM 3732-04 Exp: DIOXIN  
 392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



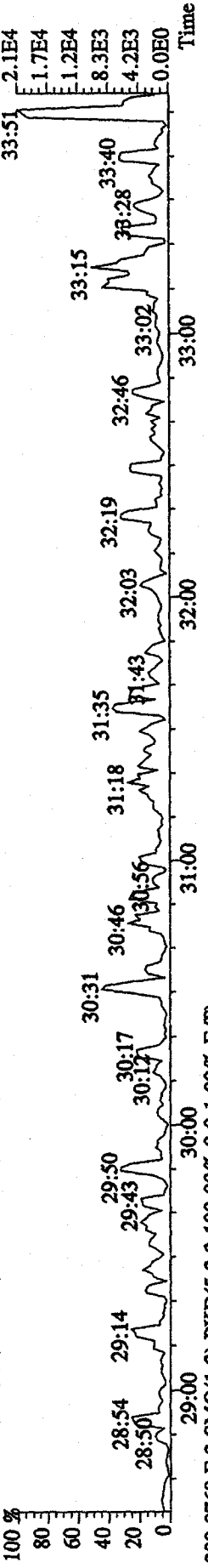
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16148.0,1.00%,F,T)



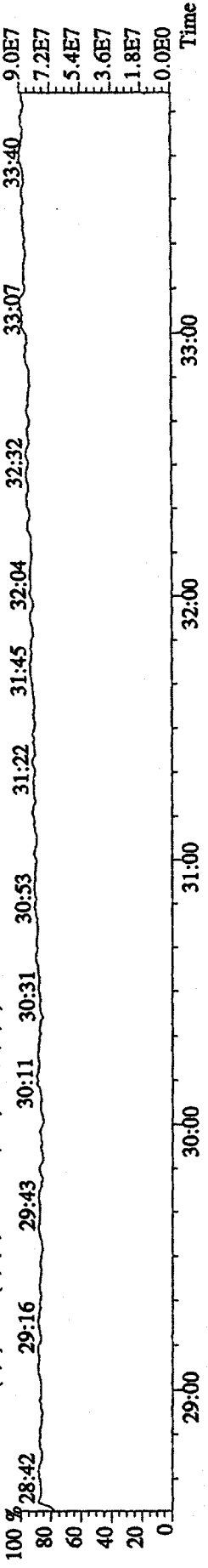
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7720.0,1.00%,F,T)



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)

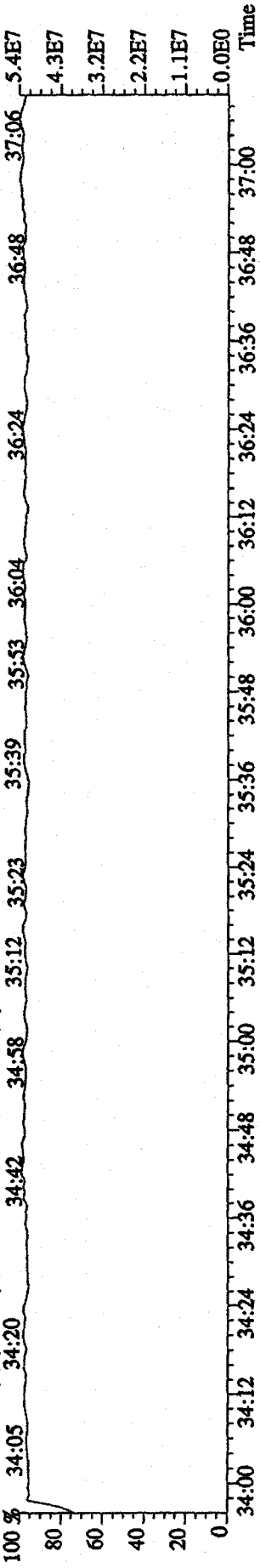


File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE

Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

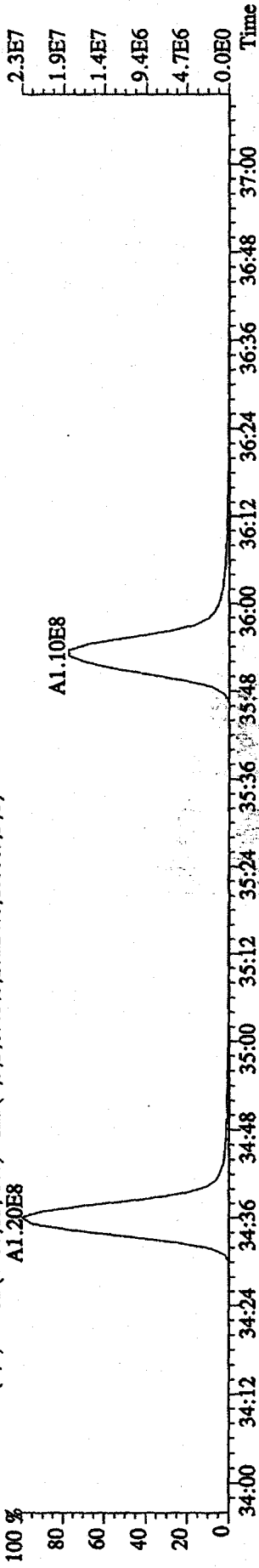
430.9728 F:4 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

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



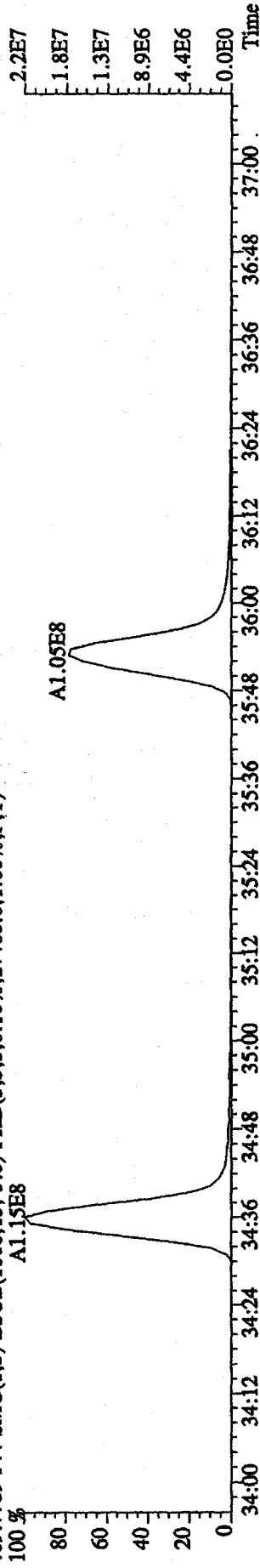
407.7818 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27224.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



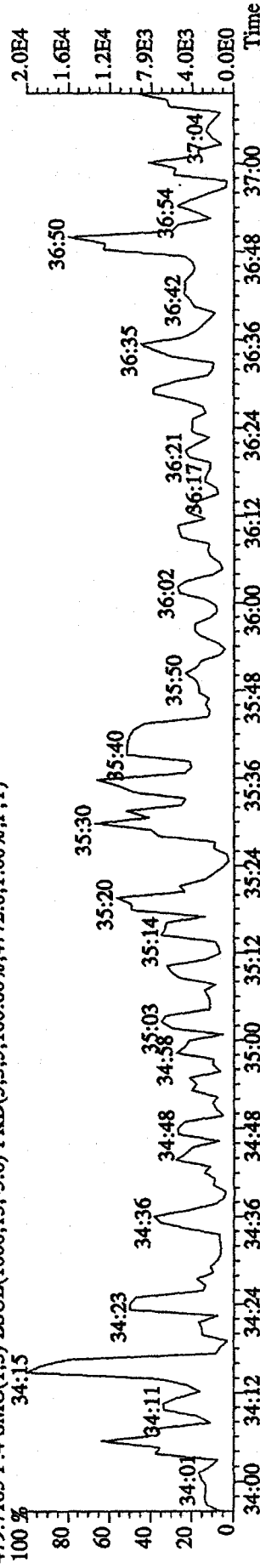
409.7789 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27468.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00



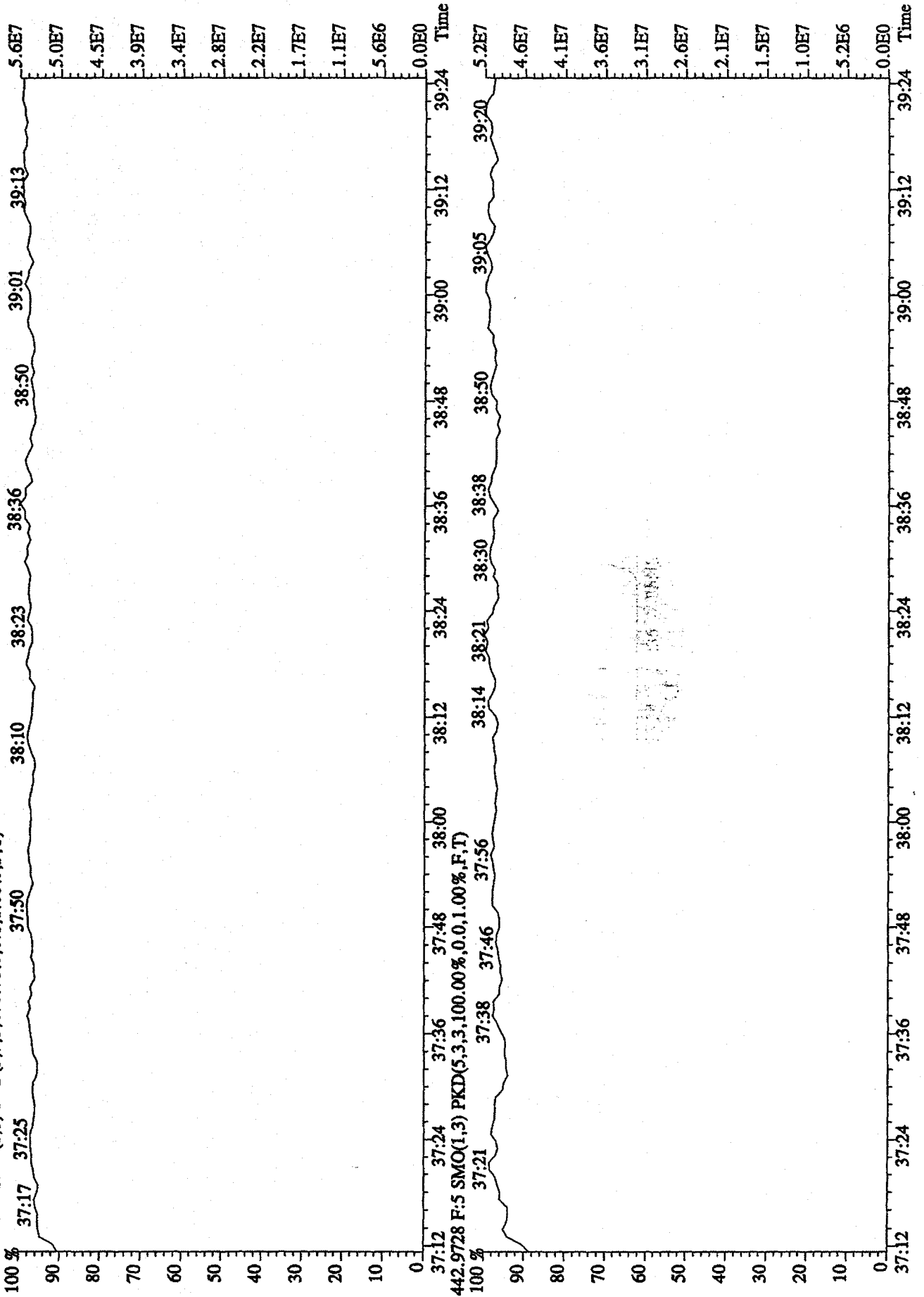
479.7165 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4772.0,1.00%,F,T)

100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00

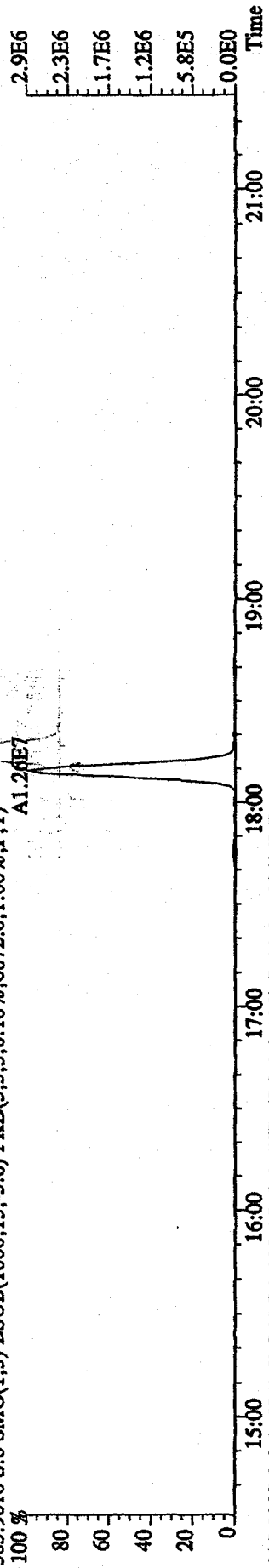




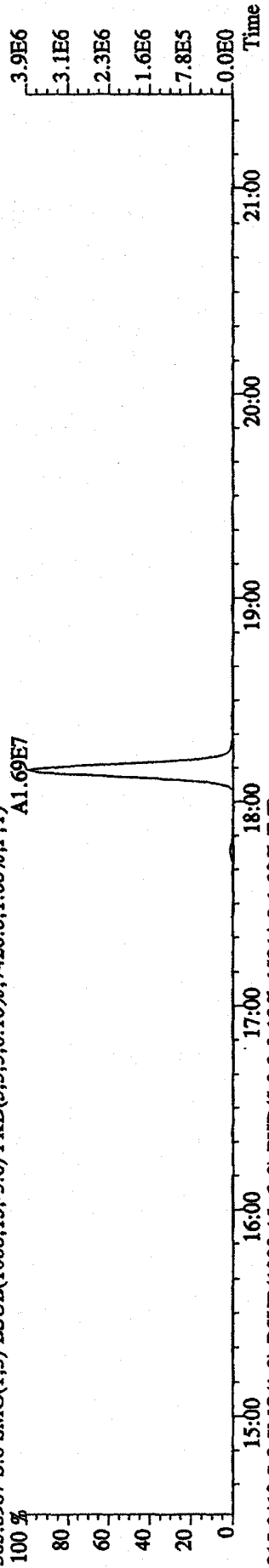
File:31DE09AID5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE  
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN  
 454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



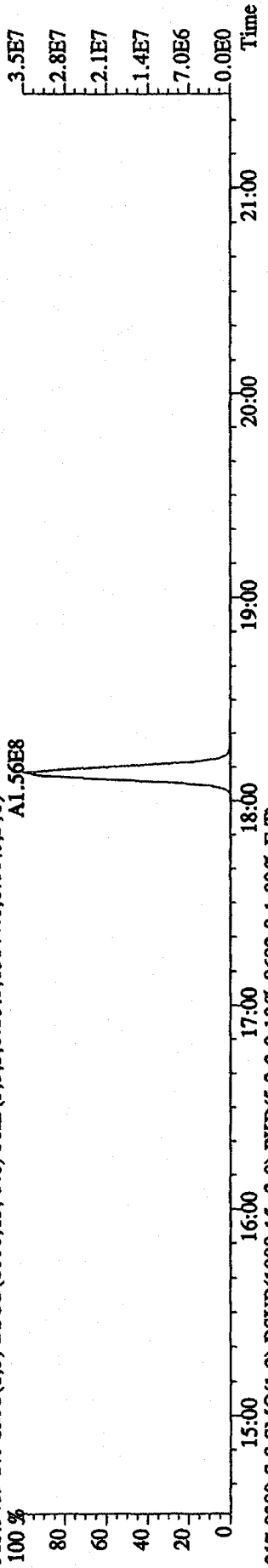
File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN  
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6072.0,1.00%,F,T)



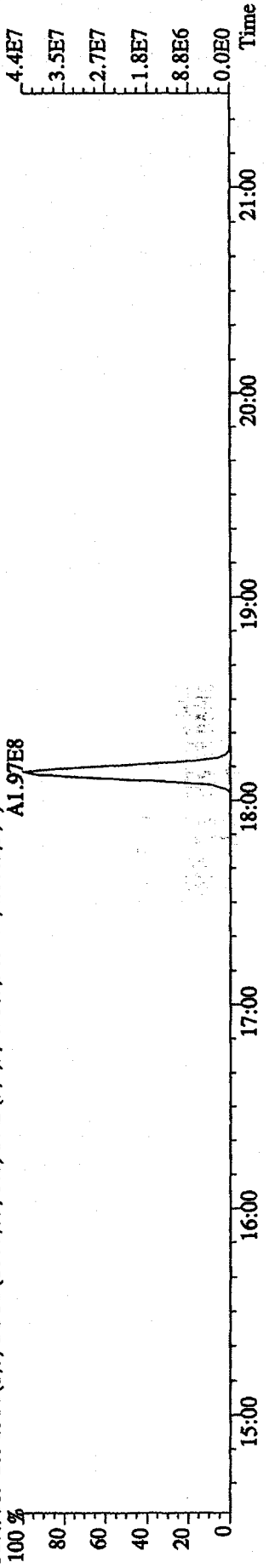
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7420.0,1.00%,F,T)



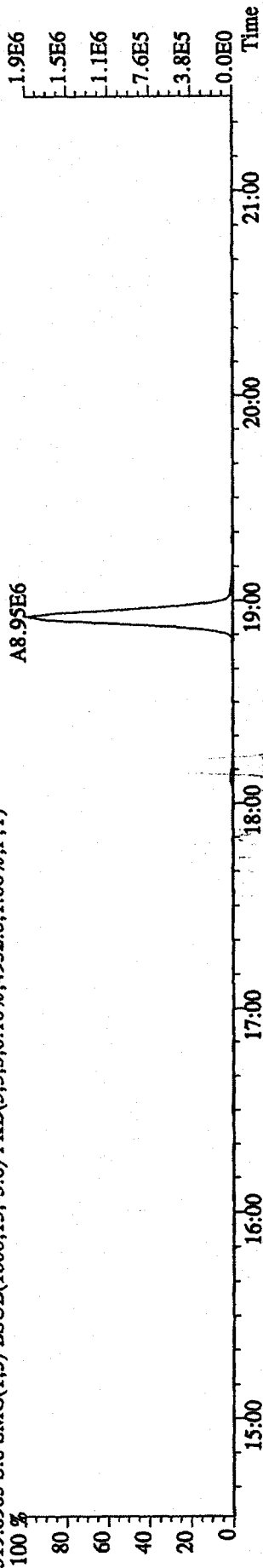
315.9419 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,15844.0,1.00%,F,T)



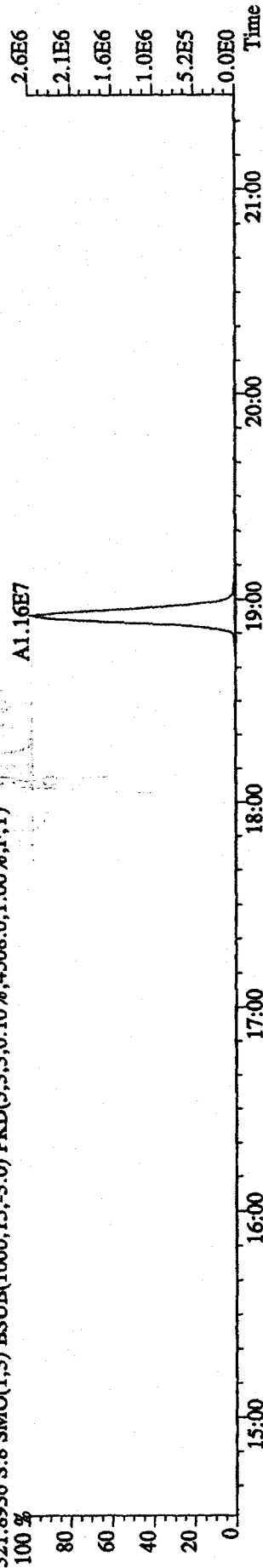
317.9389 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9692.0,1.00%,F,T)



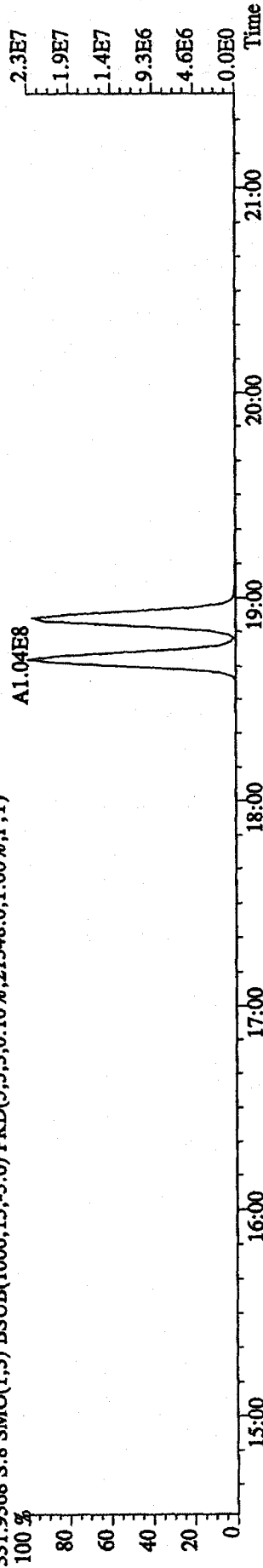
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)



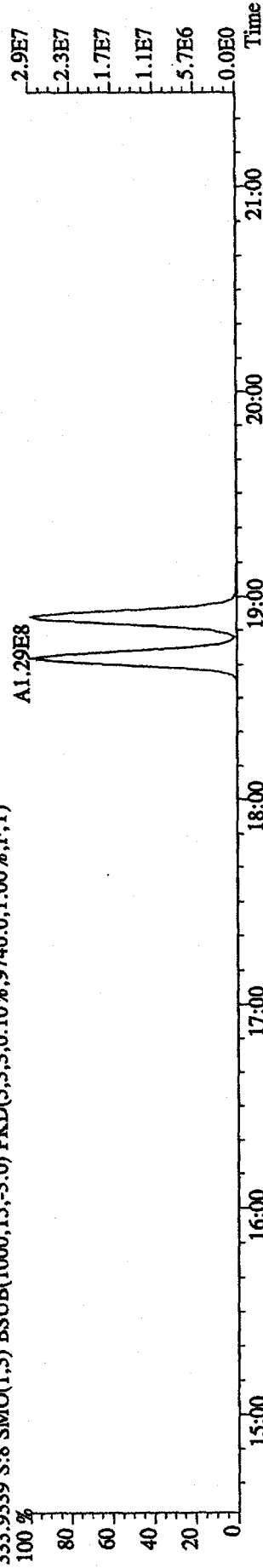
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)



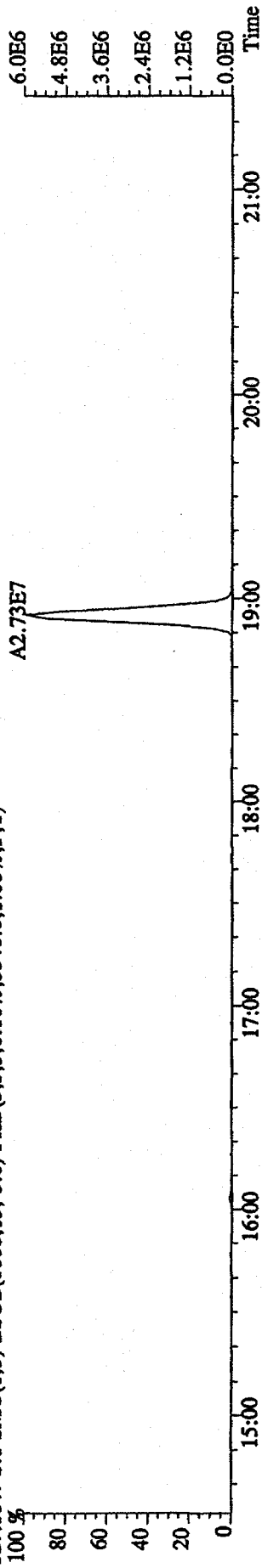
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21348.0,1.00%,F,T)



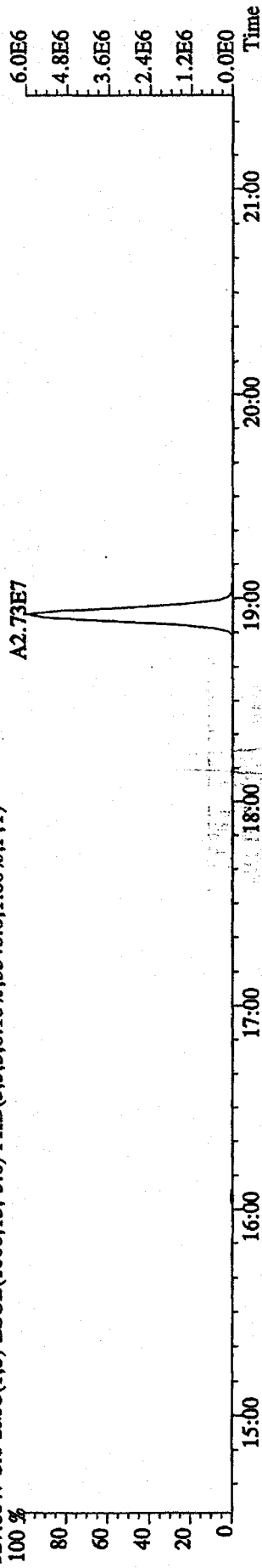
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9740.0,1.00%,F,T)



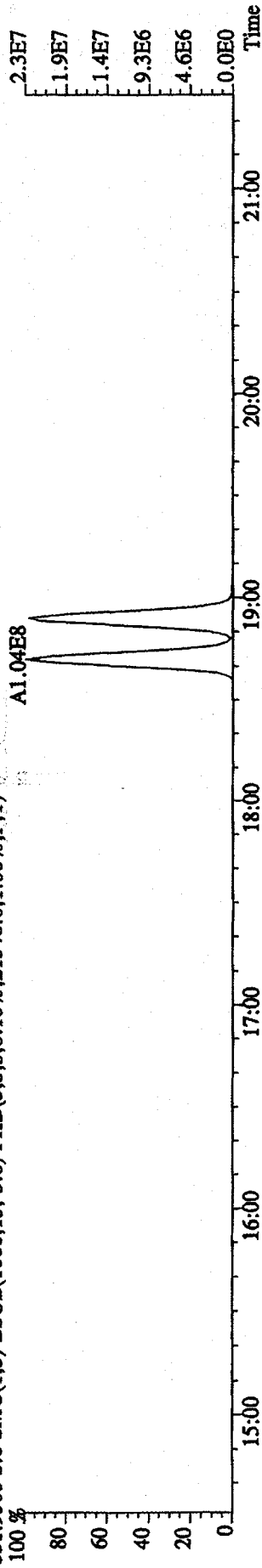
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21348.0,1.00%,F,T)

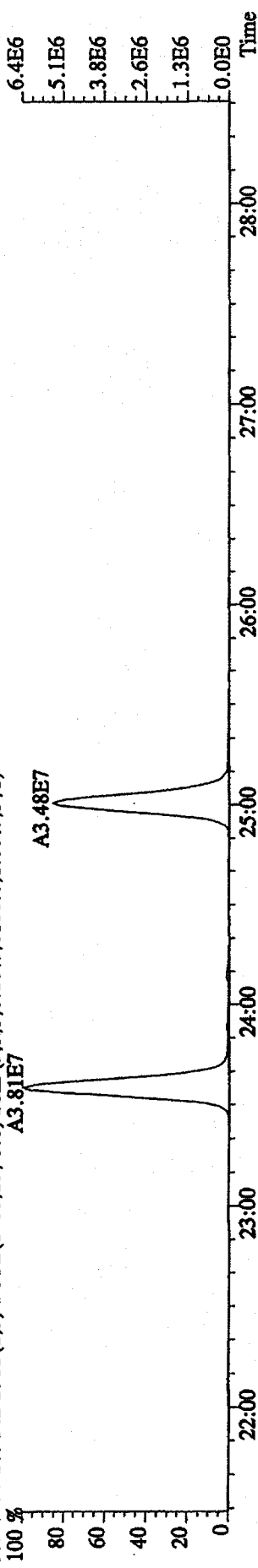


333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9740.0,1.00%,F,T)

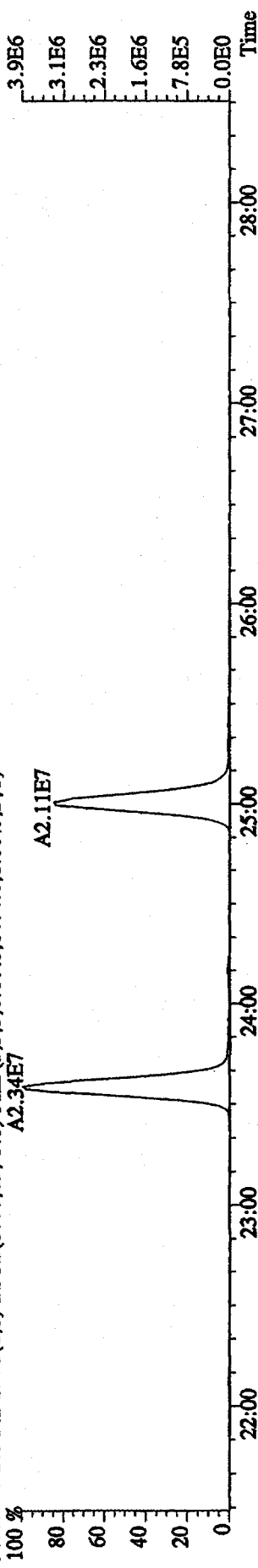
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

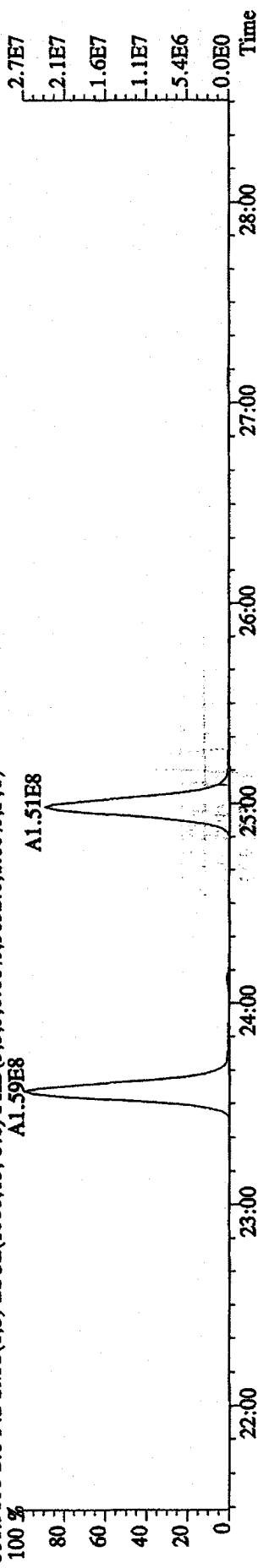
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6180.0,1.00%,F,T)



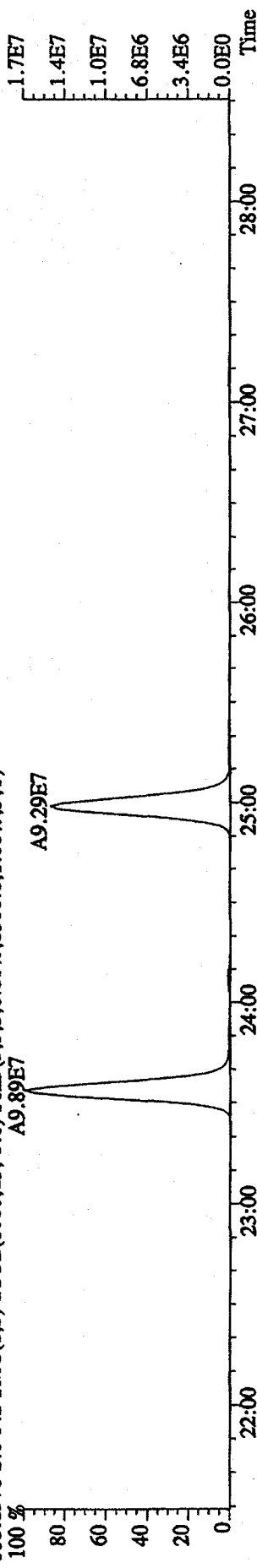
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)



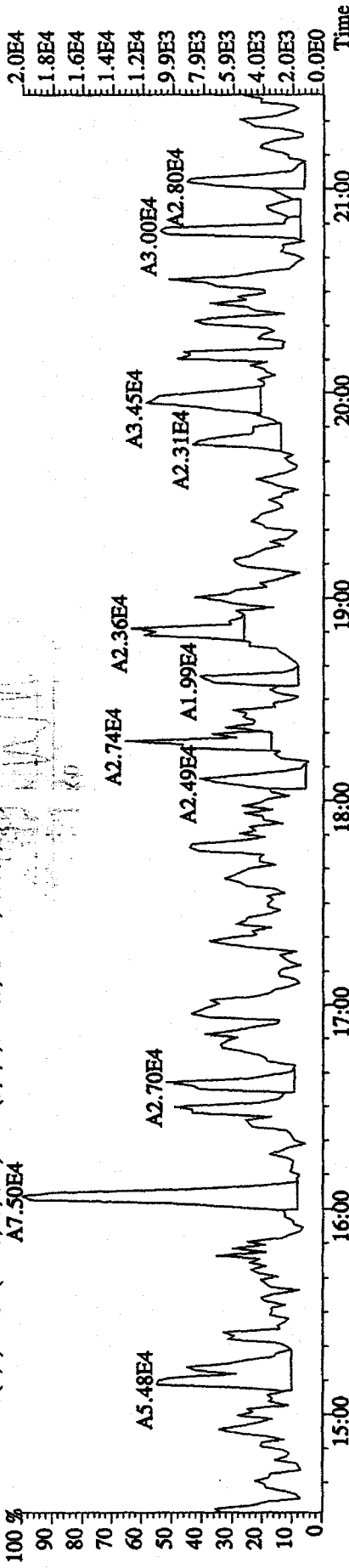
351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5832.0,1.00%,F,T)



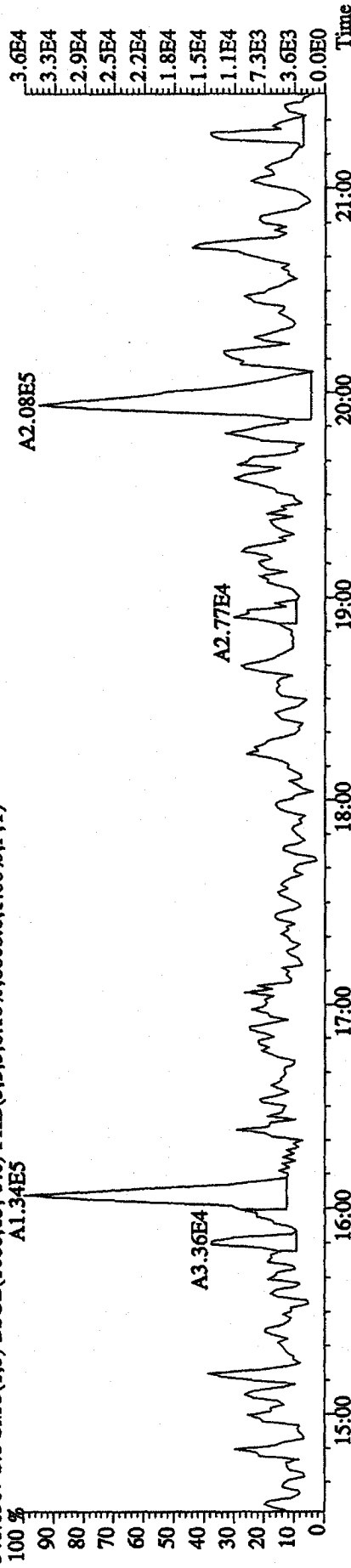
353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8500.0,1.00%,F,T)



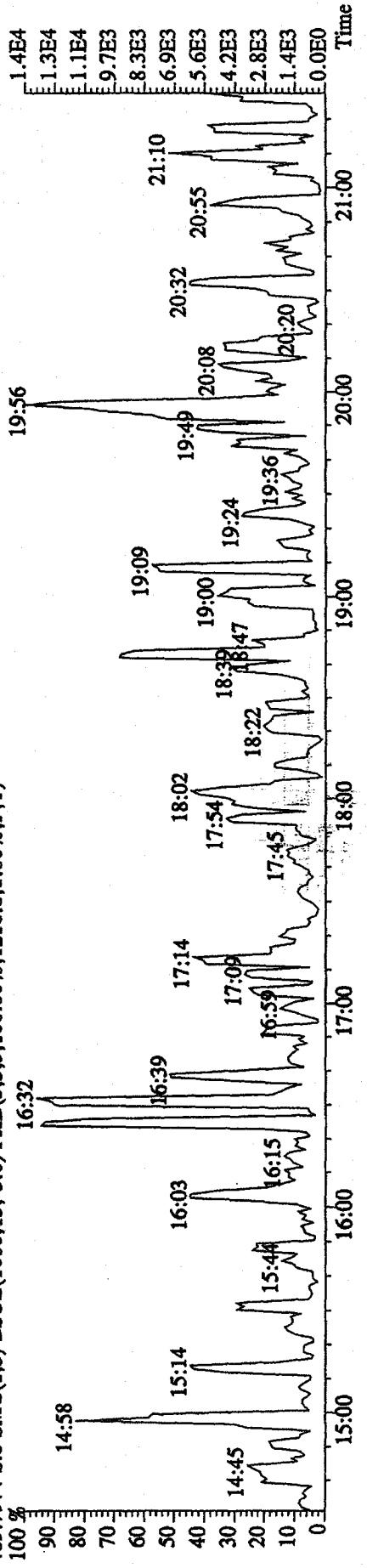
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 339.8597 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4176.0,1.00%,F,T)  
 A7.50E4



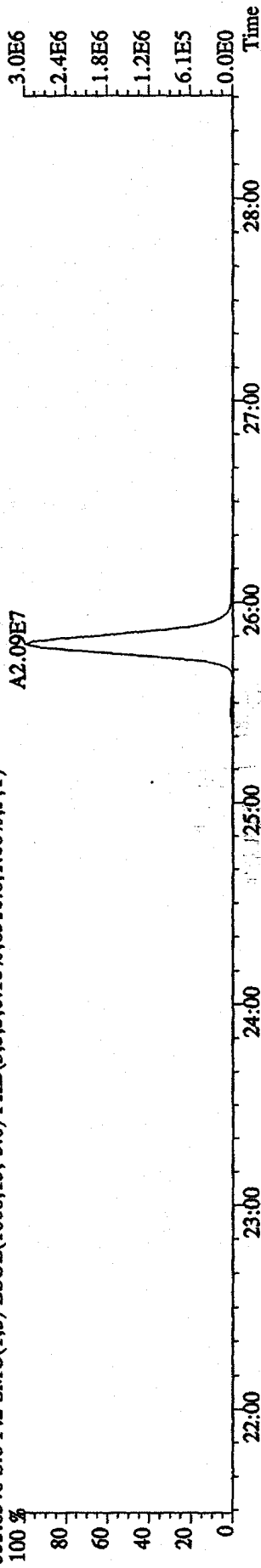
341.8567 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,6668.0,1.00%,F,T)  
 A1.34E5



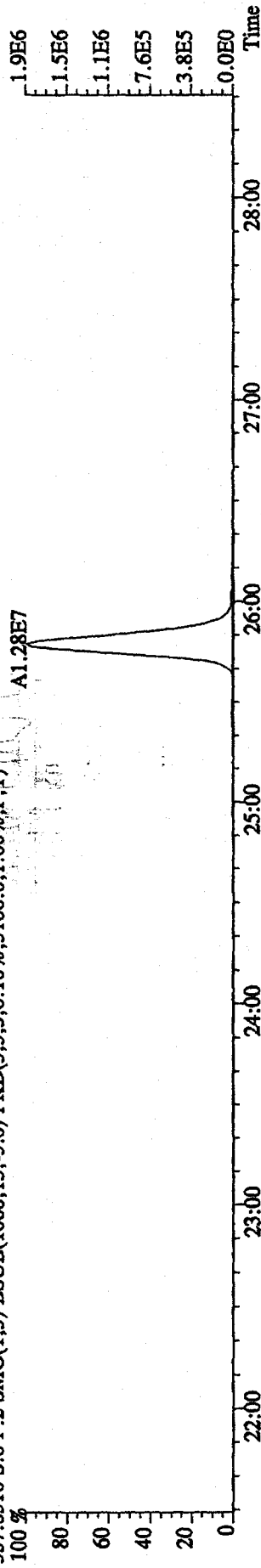
409.7974 S:8 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,100.00%,1216.0,1.00%,F,T)



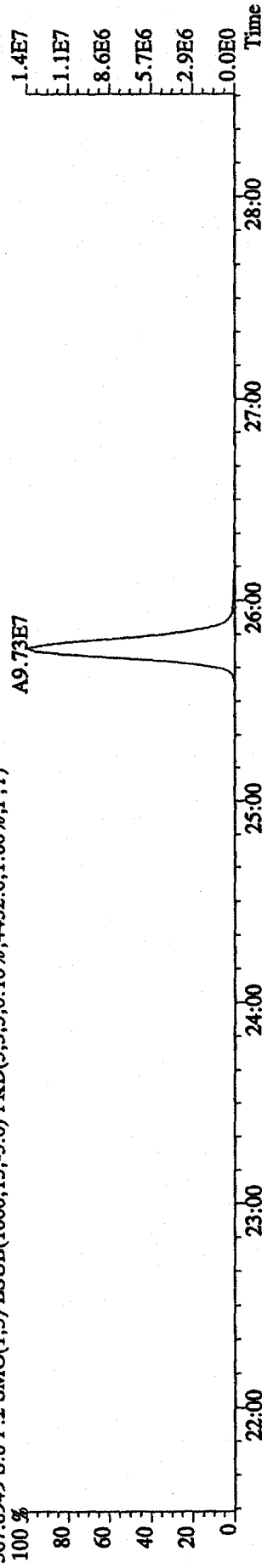
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6516,0,1,00%,F,T)



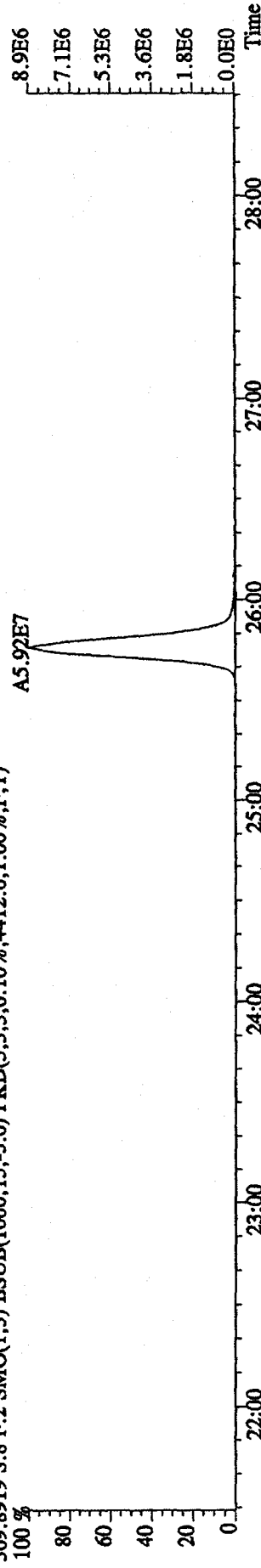
357.8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3108,0,1,00%,F,T)



367.8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4432,0,1,00%,F,T)



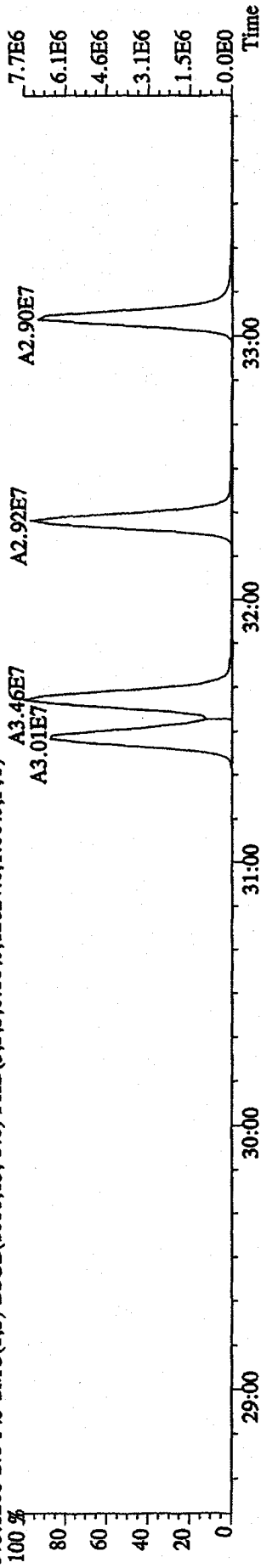
369.8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4412,0,1,00%,F,T)



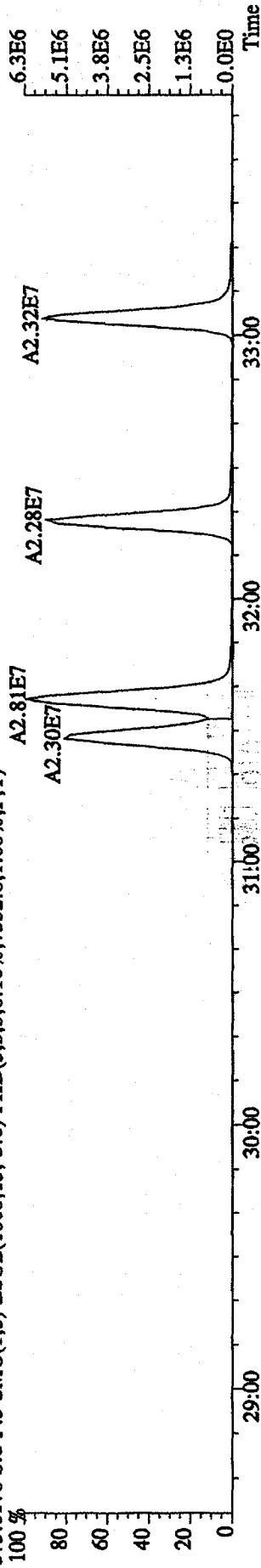
File:3IDE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

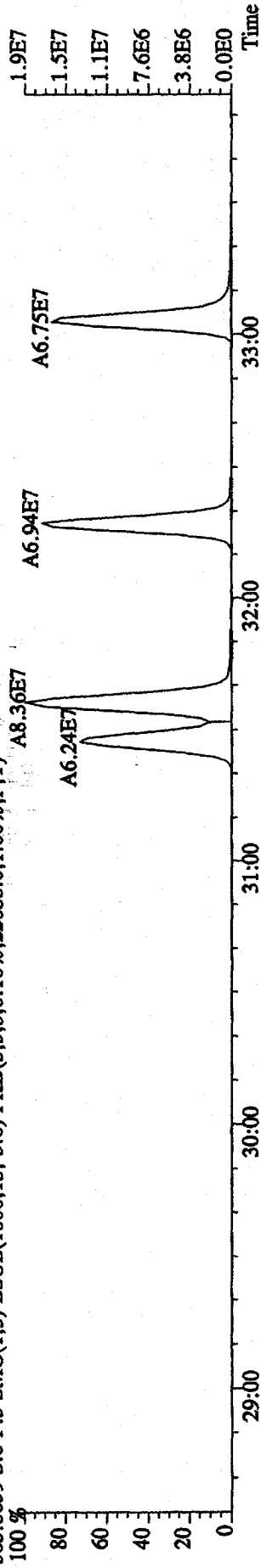
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12624,0,1.00%,F,T)



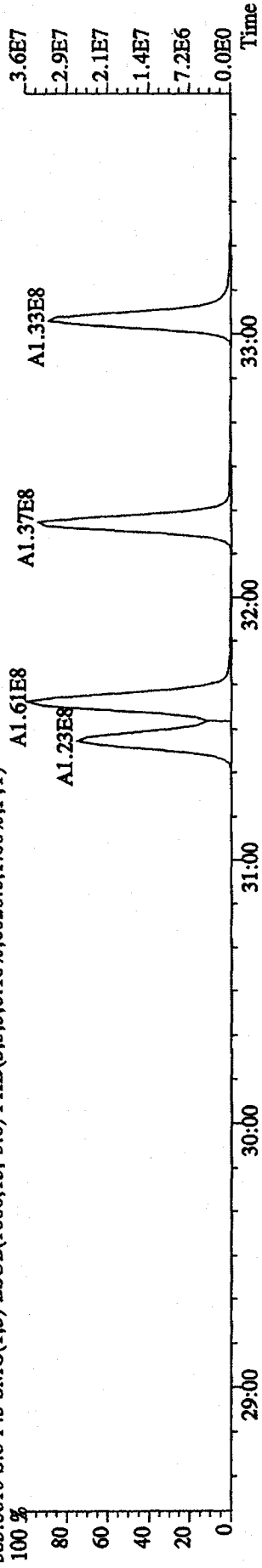
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7352,0,1.00%,F,T)



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)

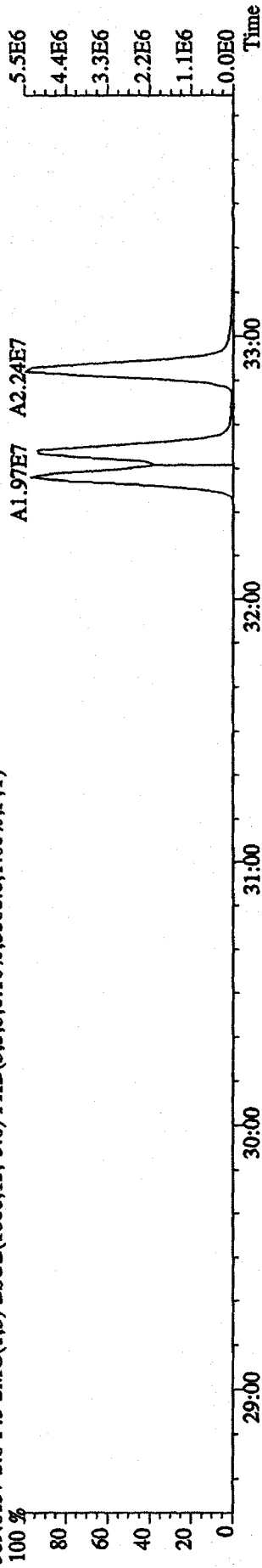


385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6020,0,1.00%,F,T)

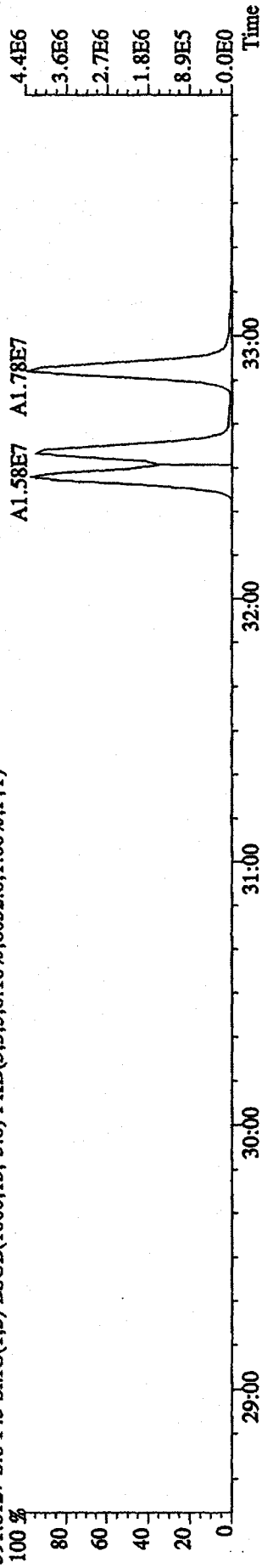




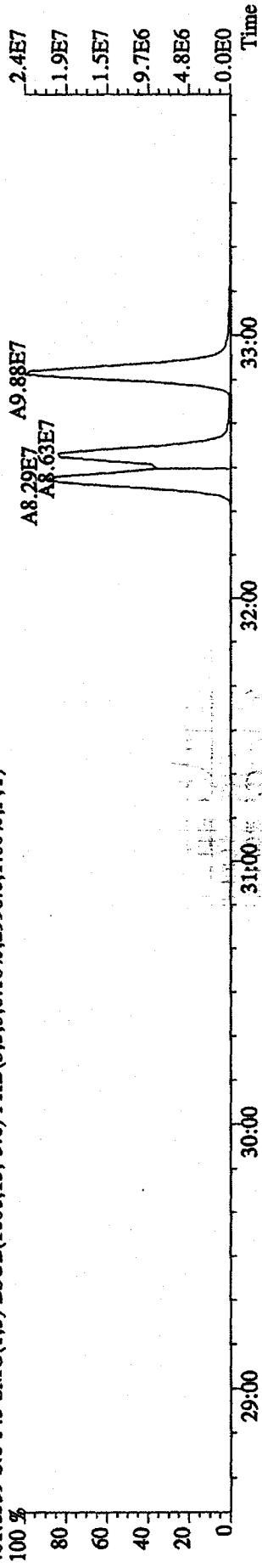
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3308.0,1.00%,F,T)



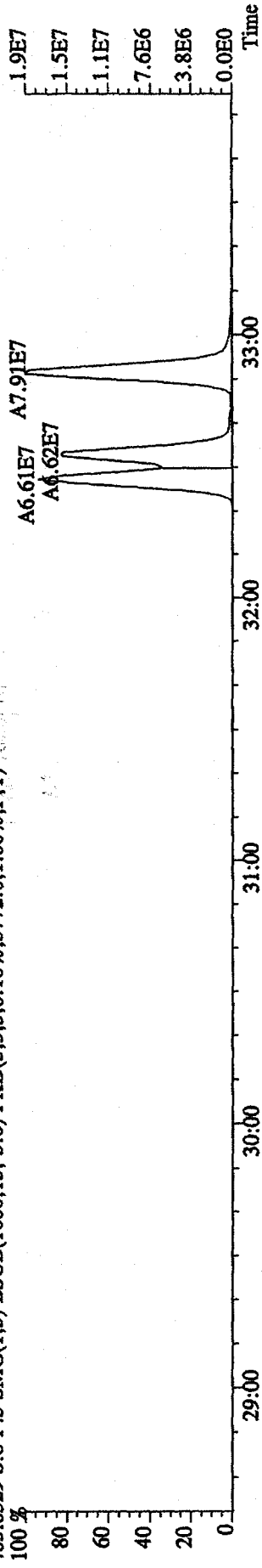
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6032.0,1.00%,F,T)



401.8559 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2996.0,1.00%,F,T)



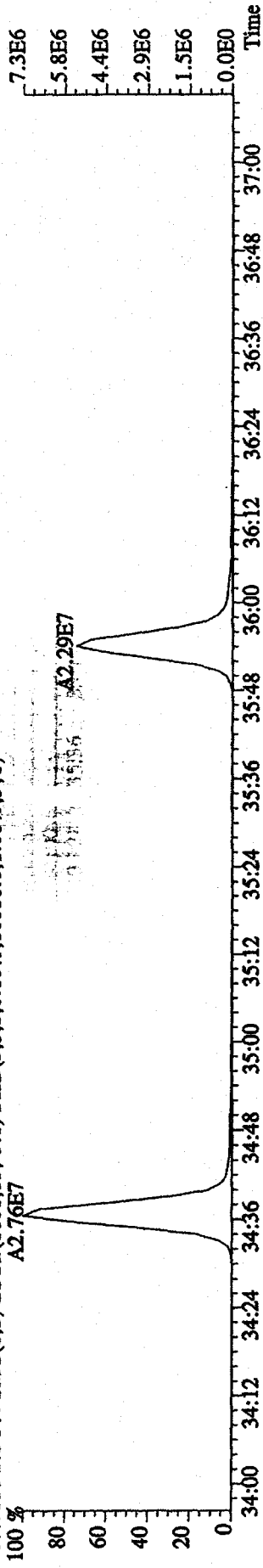
403.8529 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



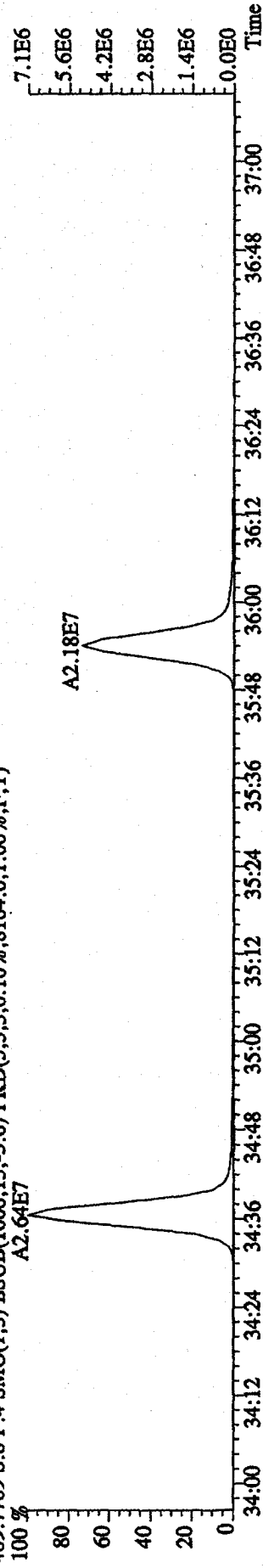
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

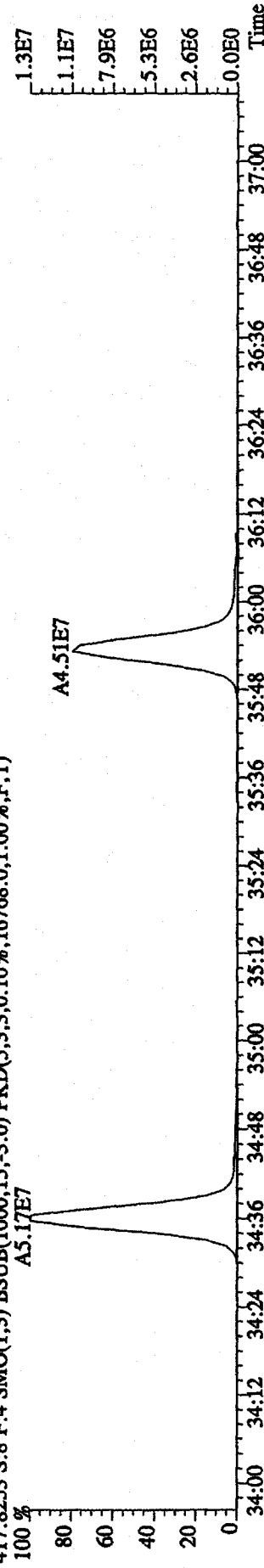
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10016.0,1.00%,F,T)



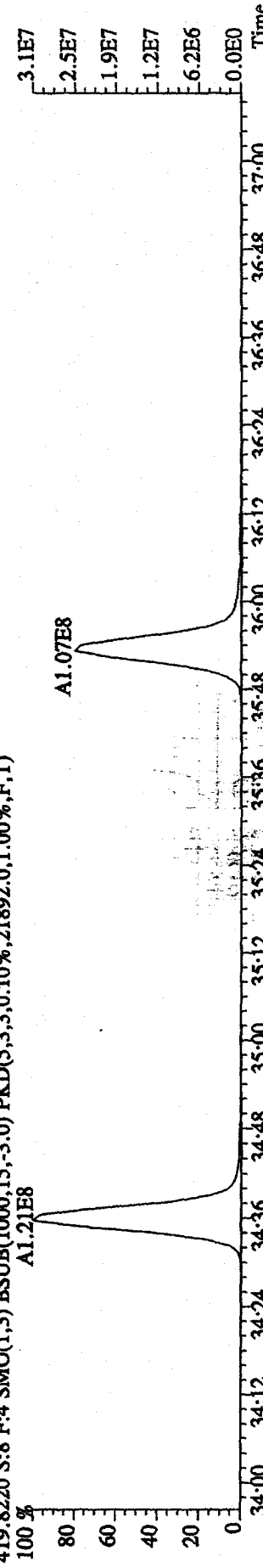
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8164.0,1.00%,F,T)



417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16768.0,1.00%,F,T)



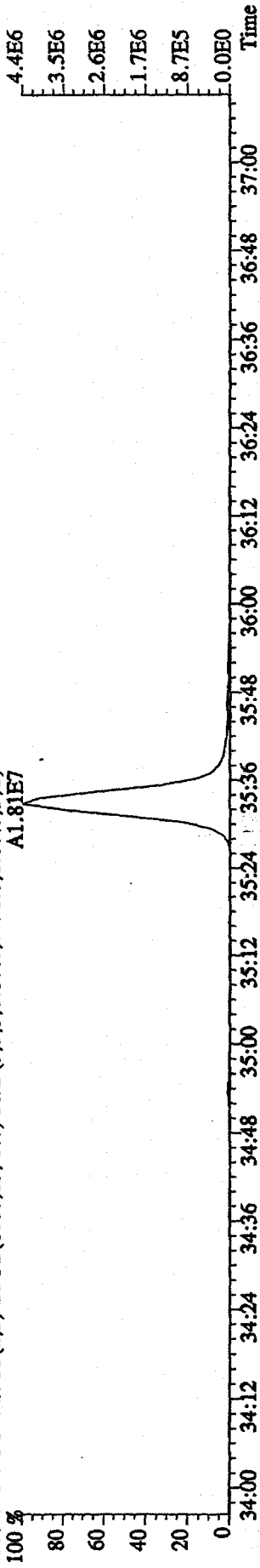
419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21892.0,1.00%,F,T)



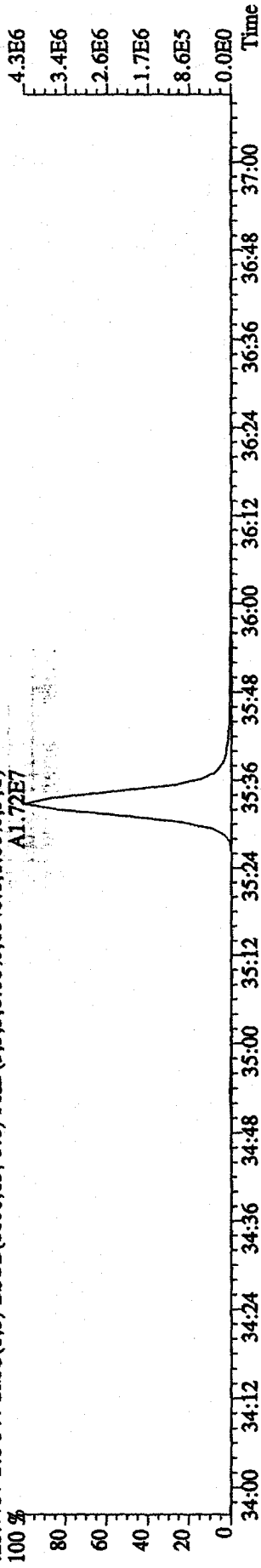
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN

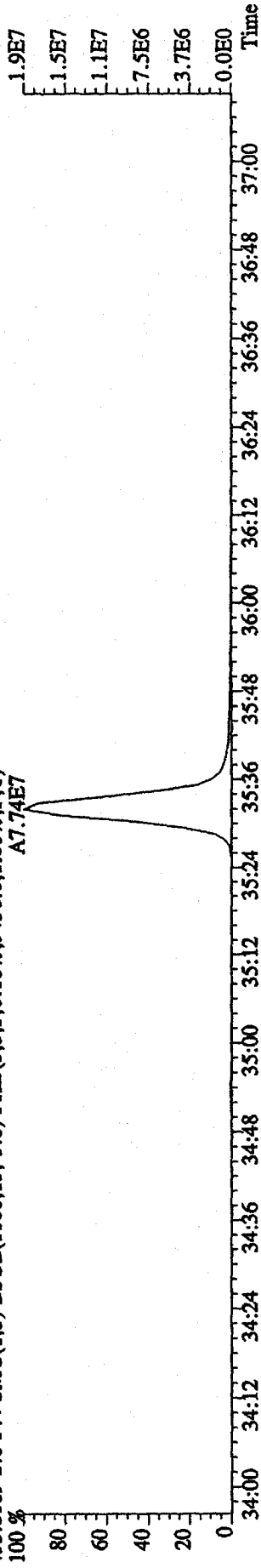
423.7766 S:8 F:4 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,7756.0,1.00%,F,T)  
A1.81E7



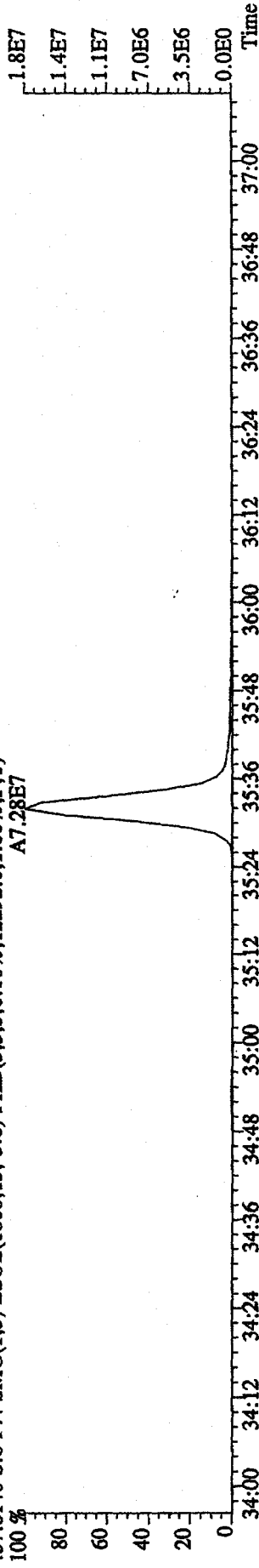
425.7737 S:8 F:4 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,6048.0,1.00%,F,T)  
A1.72E7



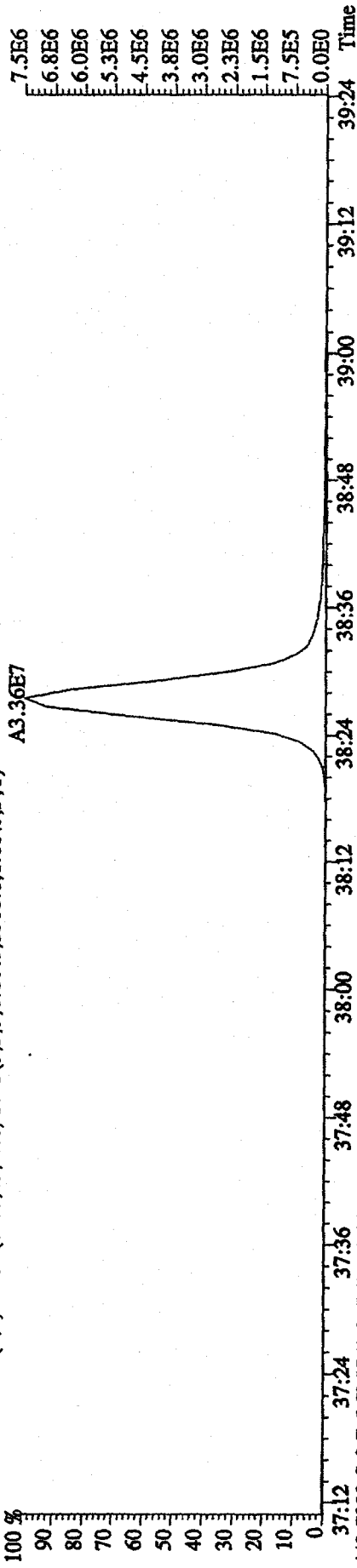
435.8169 S:8 F:4 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,9436.0,1.00%,F,T)  
A7.74E7



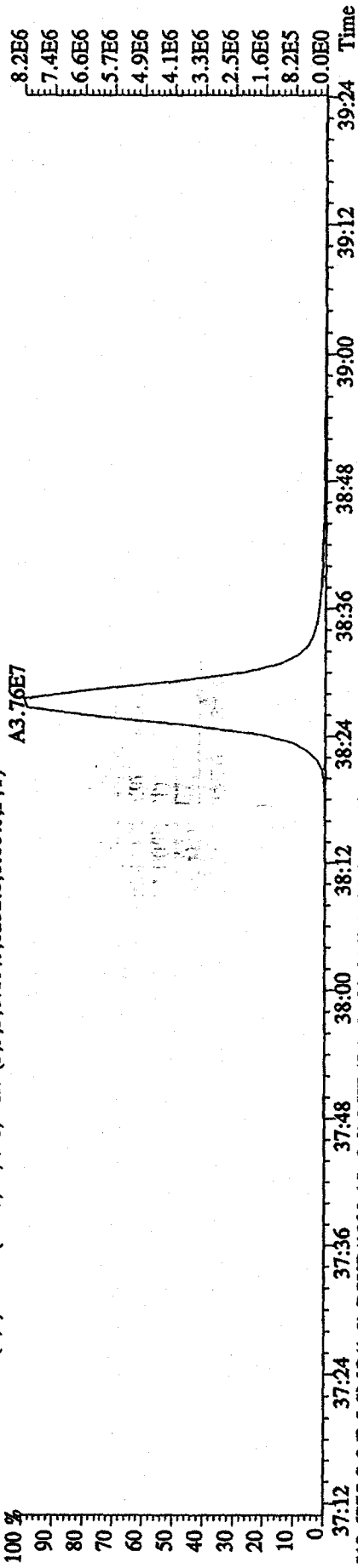
437.8140 S:8 F:4 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,0.10%,12292.0,1.00%,F,T)  
A7.28E7



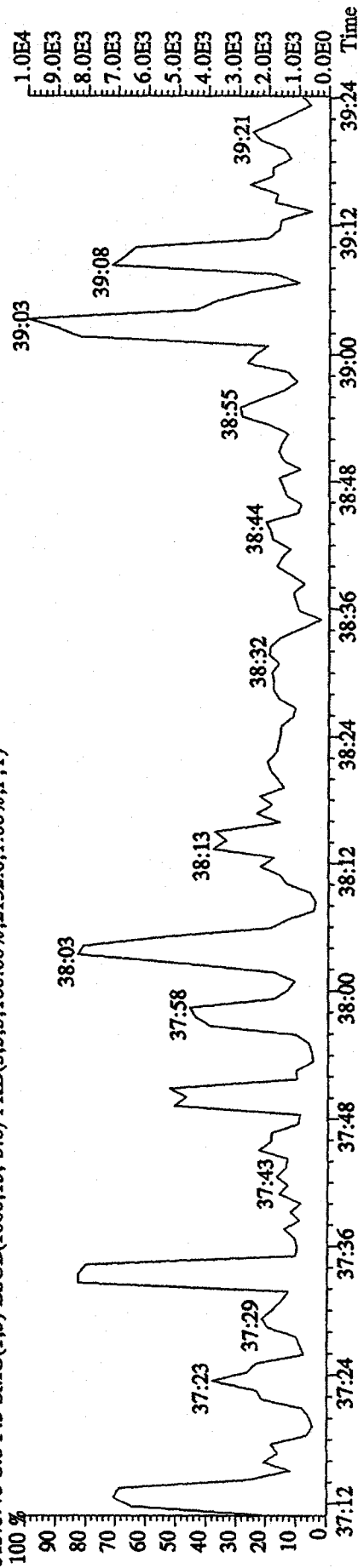
File:31DE09AID5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 441.7428 S:8 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5508.0,1.00%,F,T)



443.7399 S:8 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,8232.0,1.00%,F,T)



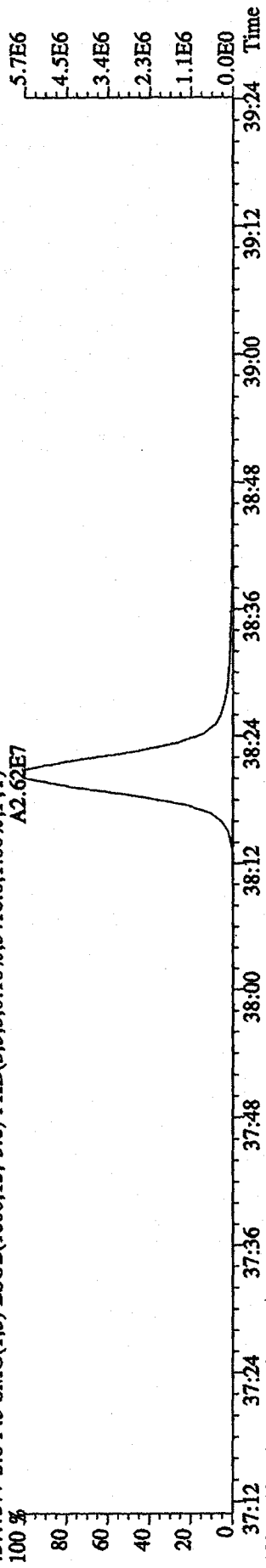
513.6775 S:8 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,5.100,00%,2132.0,1.00%,F,T)



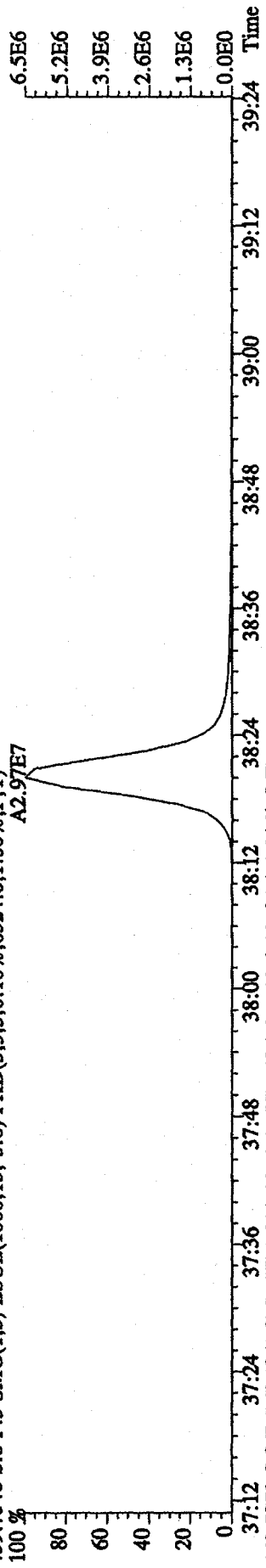
File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN

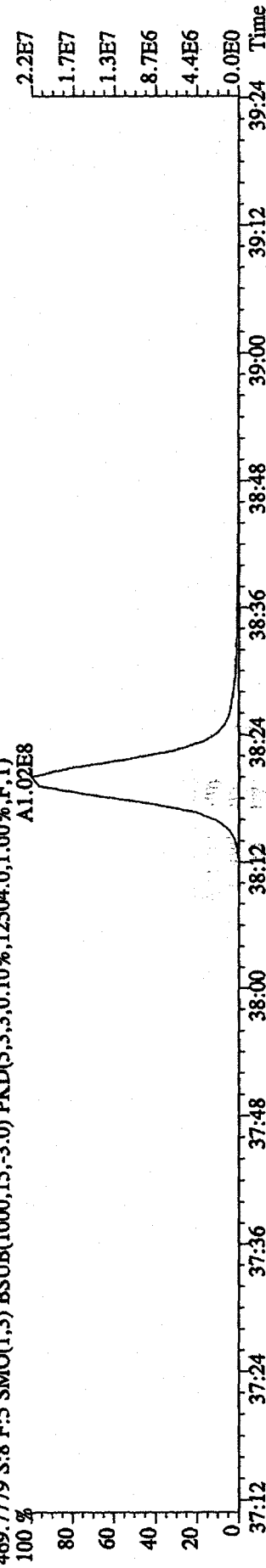
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5416,0.1,0.00%,F,T) A2.62E7



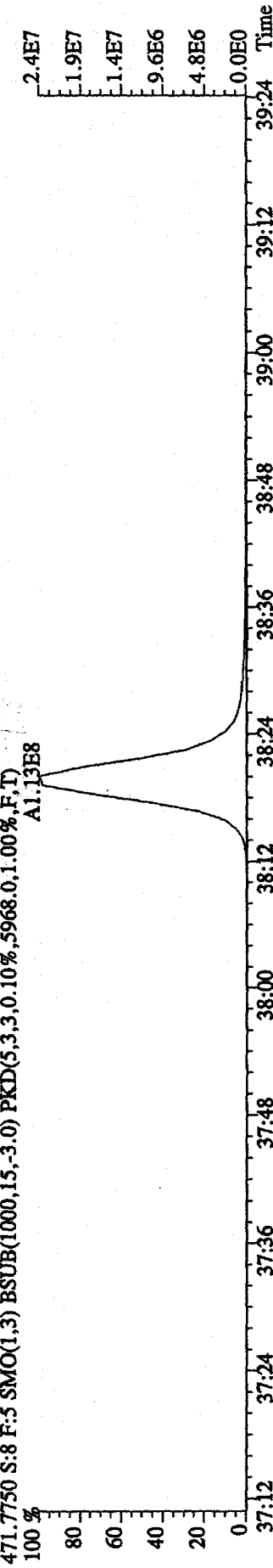
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.6324,0.1,0.00%,F,T) A2.97E7



469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.12504,0.1,0.00%,F,T) A1.02E8



471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5968,0.1,0.00%,F,T) A1.13E8

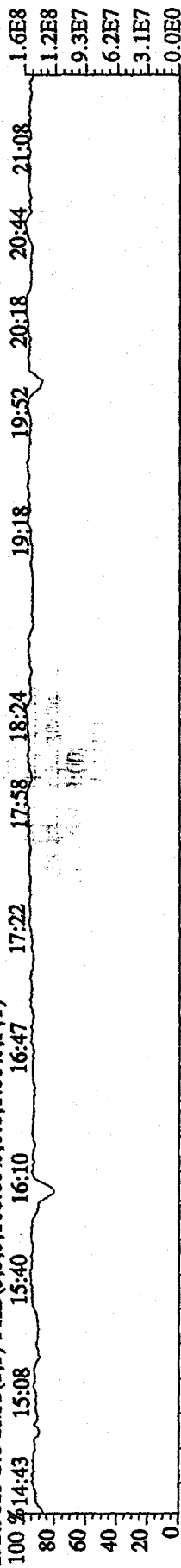


File:31DE09AID5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

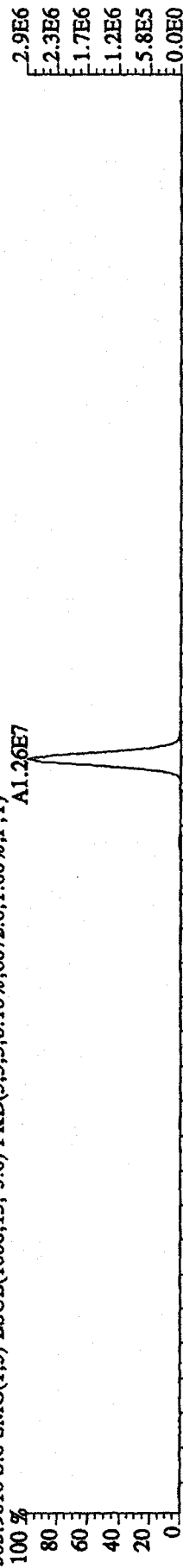
292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

100 % 14:43 15:08 15:40 16:10 16:47 17:22 17:58 18:24 19:18 19:52 20:18 20:44 21:08



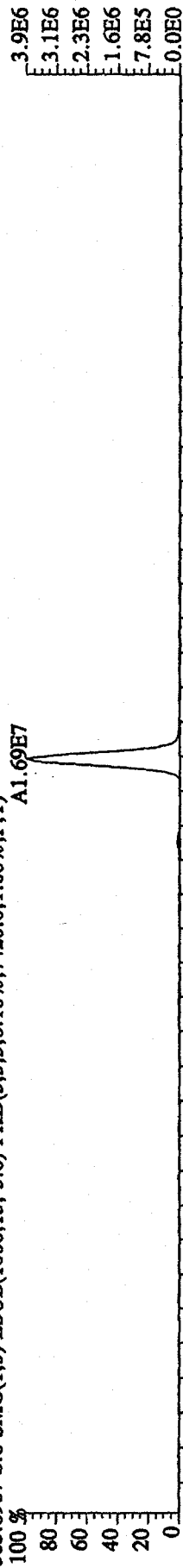
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6072.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00



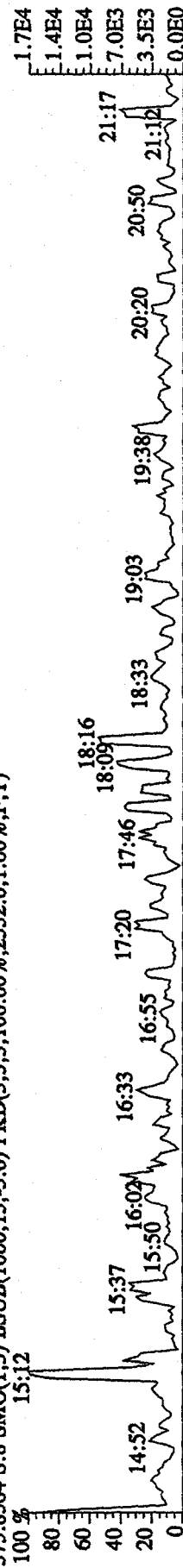
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7420.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00



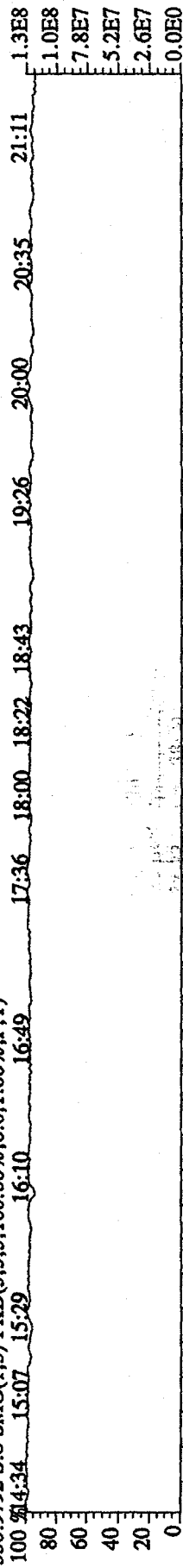
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2352.0,1.00%,F,T)

100 % 15:00 16:00 17:00 18:00 19:00 20:00 21:00

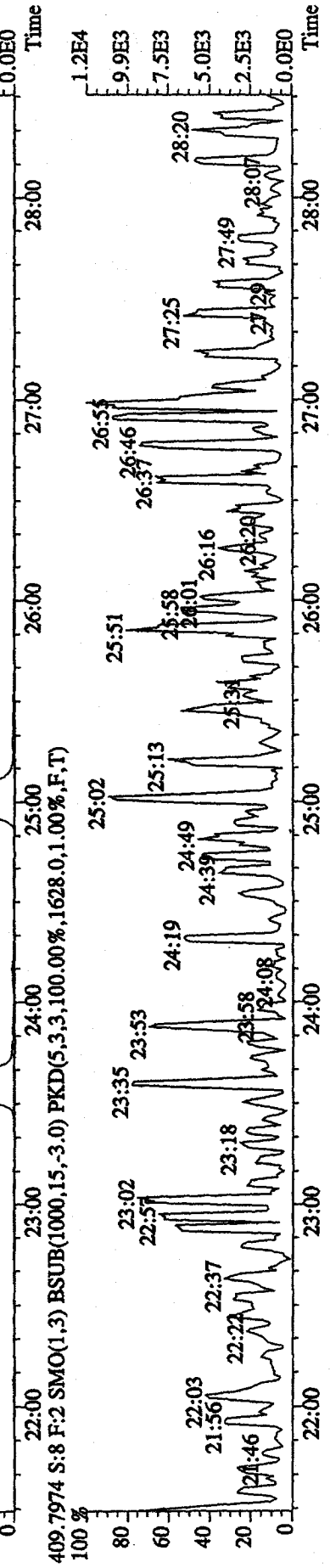
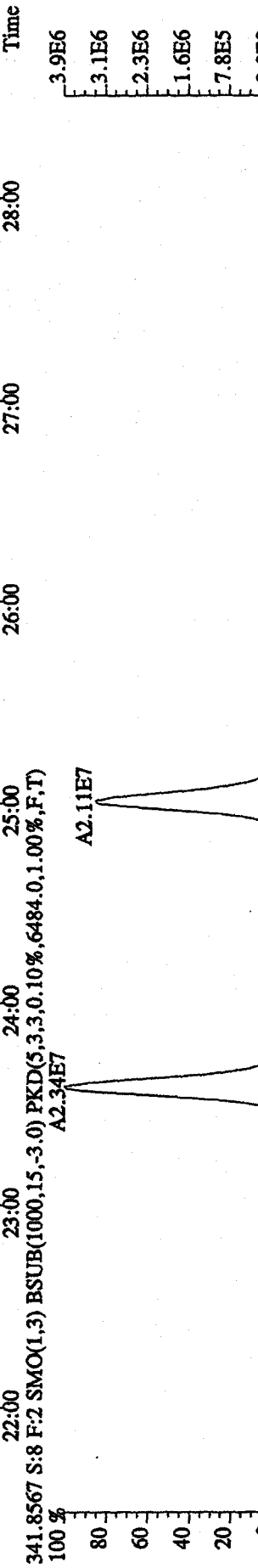
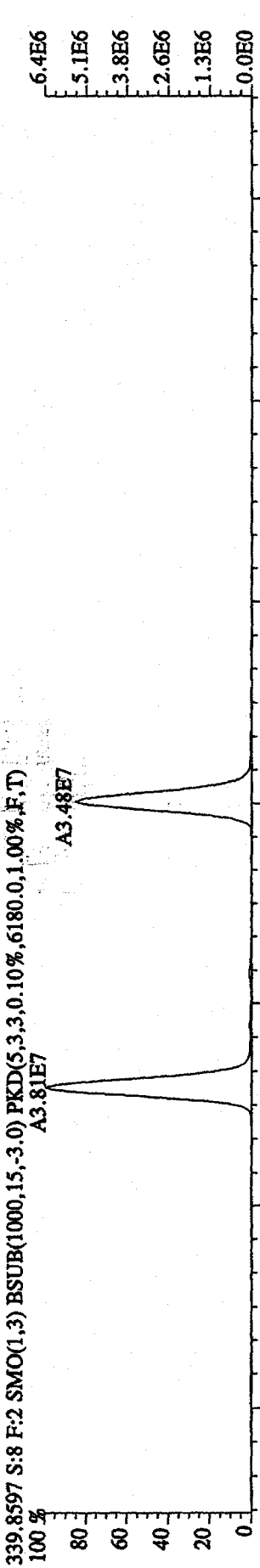
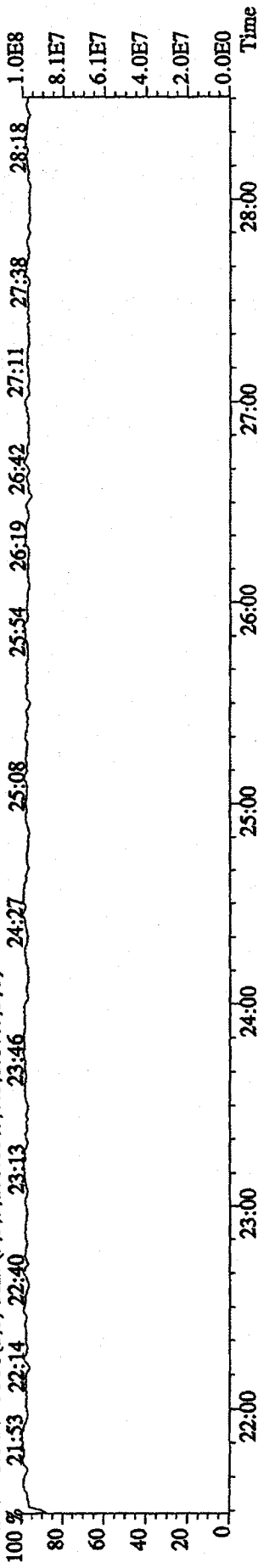


330.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

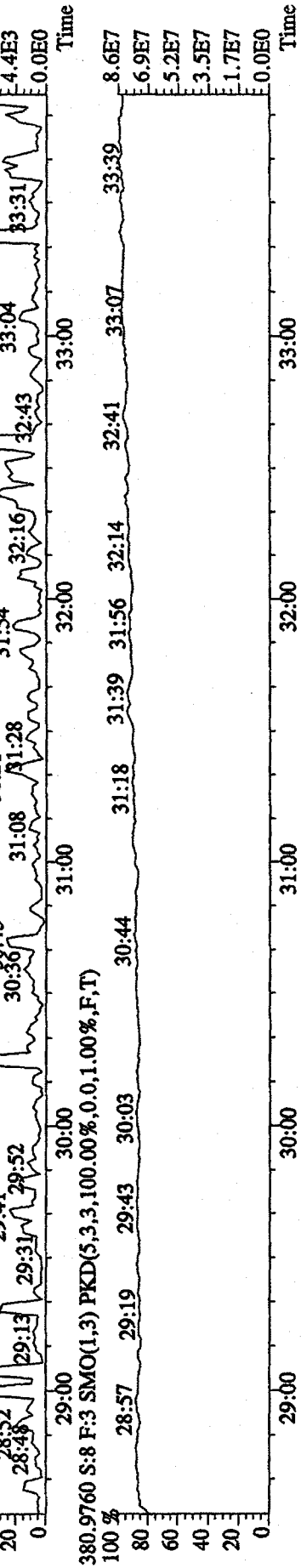
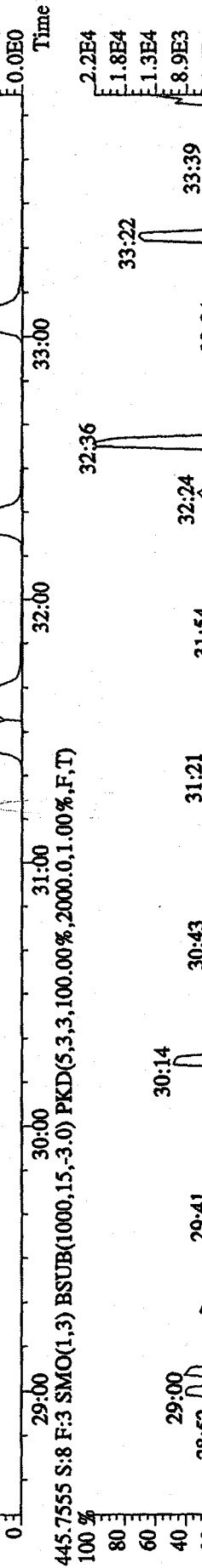
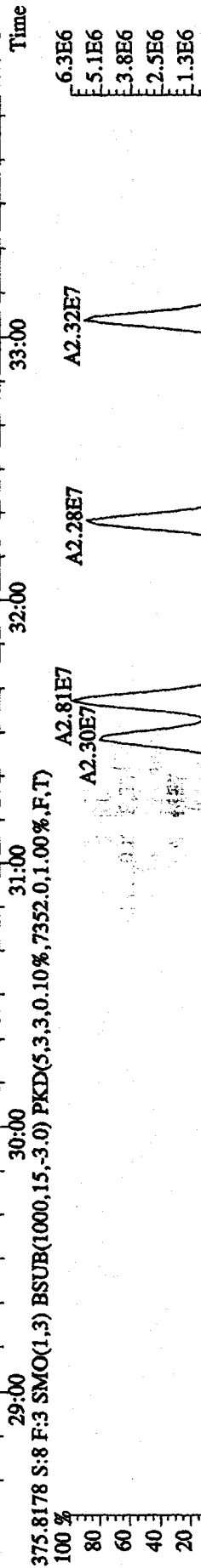
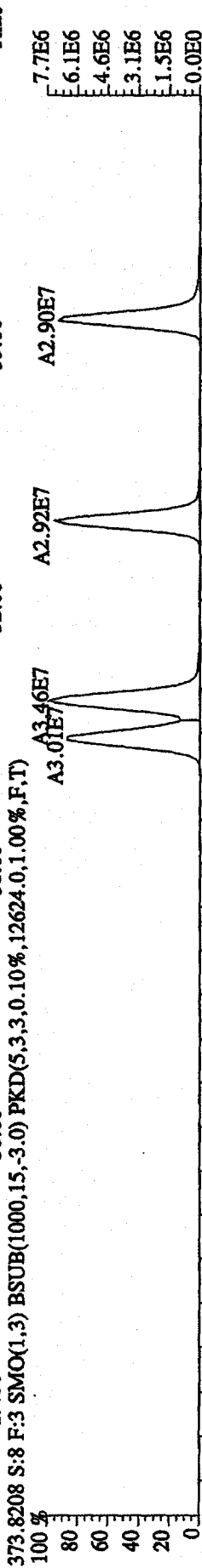
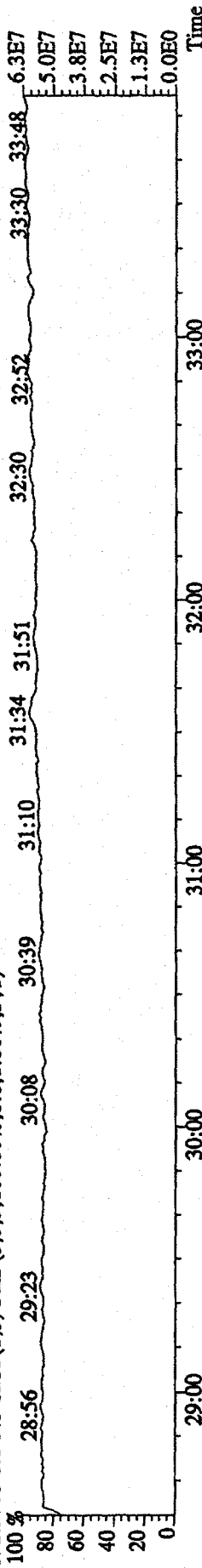
100 % 14:34 15:07 15:29 16:10 16:49 17:00 17:36 18:00 18:22 18:43 19:26 20:00 20:35 21:11



File: 31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN  
 342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,0.0,0.0,1.00%,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



File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE  
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN  
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

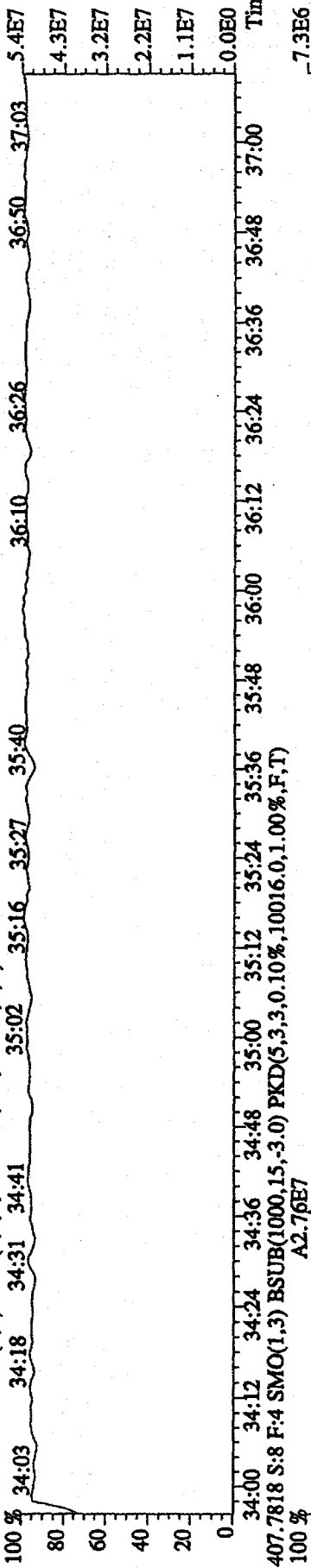




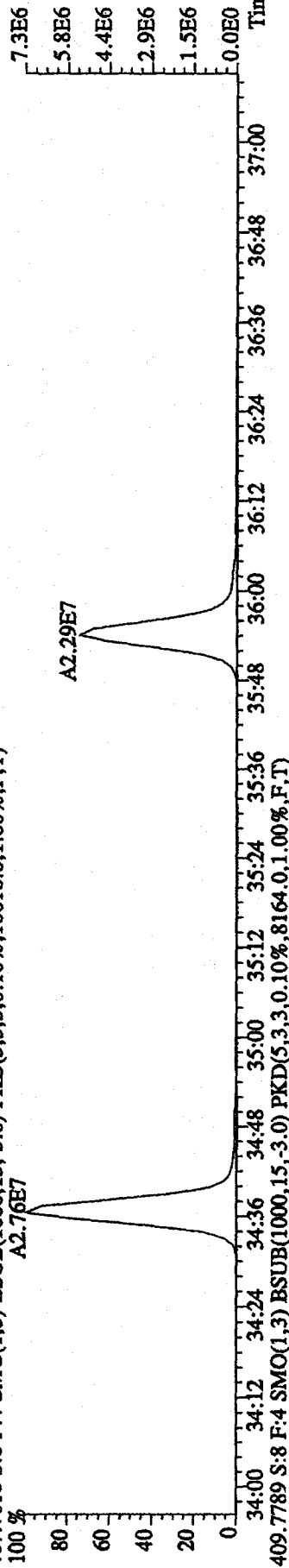
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

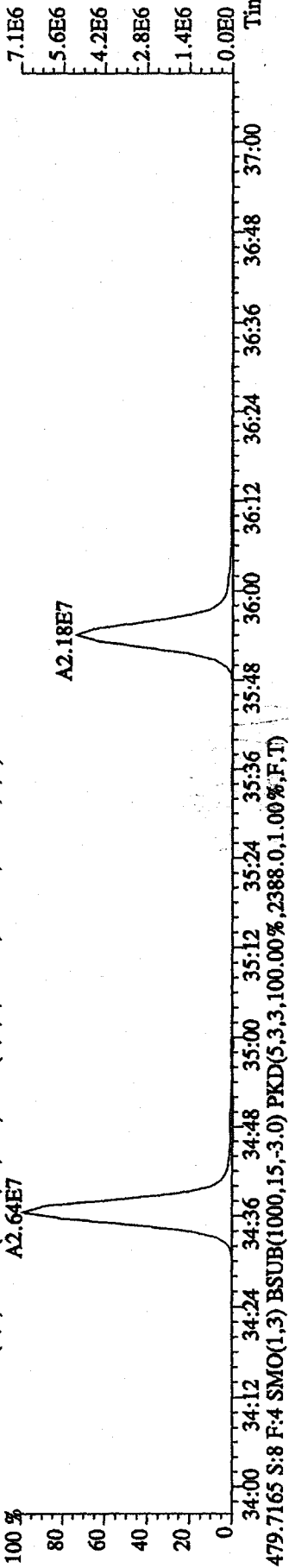
430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



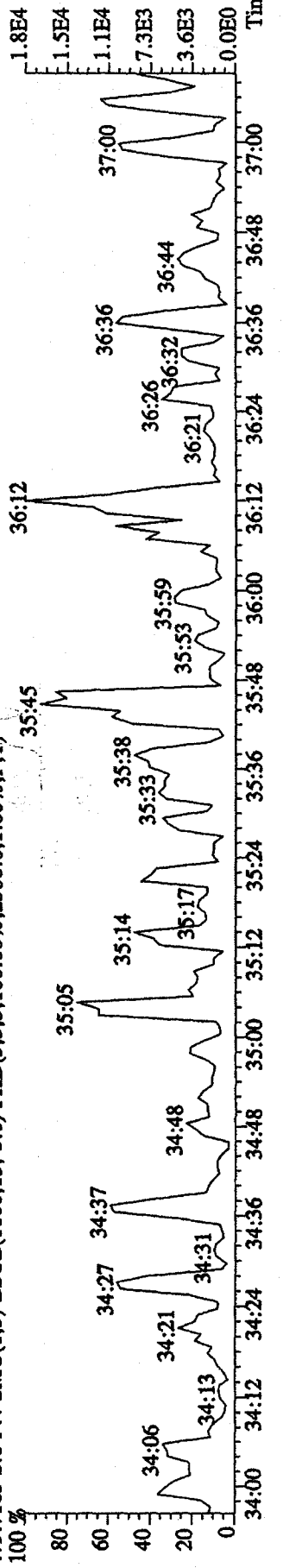
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10016.0,1.00%,F,T)



409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8164.0,1.00%,F,T)



479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2388.0,1.00%,F,T)

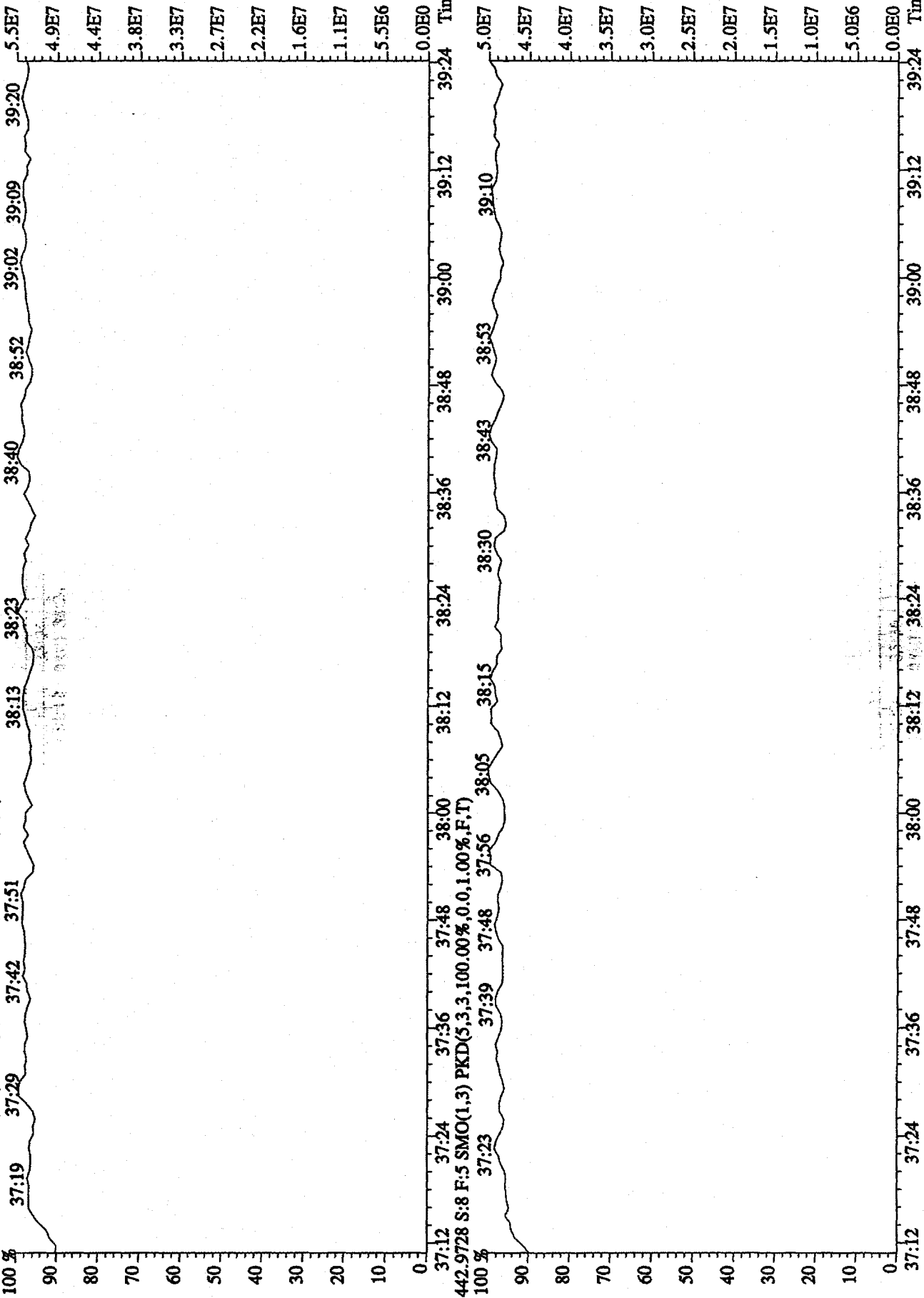


File:31DE09AID5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 %



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

Data Checklist  
HRGCMS/LRGCMS Analyses

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0004196 Method ID: 8290

**DB-5**  
Data Analyst: OS  
Date initiated: 01-07-10  
Reviewer: [Signature]  
Date reviewed: 1/8/10

**DB-225**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (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 / <u>(LCL)</u> (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		
-Have dilution calculations been verified?	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)  
⊙ Low IS recovery in the MB see NCH # 07-0101454

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%*** (Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

**TestAmerica West Sacramento  
High Resolution Prep Log  
Dioxin/Furan AQ Extraction**

Box # 81  
 Shared QC Batch: SAME  
 Shares QC With: 0004261  
1/4/10  
AA



Internal COC:	
Delivered to Inst.:	<u>1-5-10</u>
Inst Receipt:	

**Batch: 0004196**  
 MS Run #:  
 Prep Date: 1/4/2010  
 Method: IN 8290  
 Matrix: I WATER  
 Extraction: 09 LIQ/LIQ, SEP FUNNEL (PAH,P/P,TPH,Dioxin) - Nominal  
 QC: 01 STANDARD TEST SET  
 SAC: IN - 1 - 09 - 01

Prep Reagents		
Reagent	Supplier	Lot #
DCM	Baker	<u>H33503</u>
Hexane	Baker	<u>H33E04</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>3630-44D</u>
65% DCM:Hexane	NA	<u>3630-95A</u>
1:1 DCM:Cyclohexane	NA	<u>NA</u>
75:20:5	NA	<u>NA</u>
DCM:Hexane:Benzene		<u>NA</u>
Silica Gel	<u>Whatman</u>	<u>22-22</u>
Acid Alumina	<u>MPBio</u>	<u>18</u>
5% Carbon:Silica Gel	<u>NA</u>	<u>NA</u>

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 1000mL nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G0A04J000 - 196	B	LRTM91AA	1/20/2010	<u>1000.0</u>	-		2/18/2010
G0A040000 - 196	C	LRTM91AC	1/20/2010	<u>1000.0</u>	-		2/18/2010
G9L230490 - 1		LRJ4N1AA	1/20/2010	<u>1015.6</u>	-		2/18/2010
G9L240493 - 3		LRL831AA	1/21/2010	<u>1003.0</u>	<u>10.0</u>	<u>1-5-10</u>	2/18/2010
G9L240510 - 1		LRMD61AA	1/21/2010	<u>1034.8</u>	-		2/18/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: G9L240493-3 sample received 10.00 uL re. 1-5-10

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	<u>1mL/09/04/10</u>	<u>10/31/10</u>	<u>BG</u>	<u>[Signature]</u>	<u>1/4/10</u>
Spike Mix LCS/LCSD/MS/MS	<u>500uL/09/04/10</u>	<u>11/30/10</u>	<u>BG</u>	<u>[Signature]</u>	<u>1/4/10</u>
Cleanup Standard All Samples	<u>1.0mL/09/04/10</u>	<u>12/16/2010</u>	<u>T.L</u>	<u>[Signature]</u>	<u>01/05/10</u>
Recovery Standard All Samples	<u>20.00 uL/09/04/10</u>	<u>11-19-10</u>	<u>J</u>	<u>T.L</u>	<u>1-5-10</u>
Liq Liq Extraction Analyst/Date	<u>BG/1/4/10</u>				
		Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
		<u>-</u>	<u>-</u>	<u>T.L 01/05/10</u>	<u>-</u>



## Preparation Data Review Checklist

Prep Batch(es) 9004196

Test: 8290

Prep Date: 1/4/10

Holding Times: 1/20/10 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>B. Weights and Volumes</b>		
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	/
<b>C. Standards and Reagents</b>		
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	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: [Signature]

Date: 1-4-10

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 1/5/10

Comments:

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# SOLID, D 2216-90, Percent Moisture



# % Moisture/Solid Worksheet

QCBATCH: 9363214

Analyzed by: BAYNESJ

Report created: 12/30/09 9:50:34 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
G9L220512-1	LRHFF1AA	1.39	7.08	6.55	0.53	9.31	90.69	0.1		12/30/09 9:45:38 AM
G9L220512-1	LRHFF1AD	1.39	7.10	6.55	0.55	9.63	90.37	0.1		12/30/09 9:45:47 AM
G9L220512-2	LRHFG1AA	1.39	8.01	7.54	0.47	7.10	92.90	0.1		12/30/09 9:46:10 AM
G9L240493-1	LRL8H1AA	1.38	8.17	7.78	0.39	5.74	94.26	0.1		12/30/09 9:46:19 AM
G9L240493-2	LRL8V1AA	1.39	8.60	8.10	0.50	6.93	93.07	0.1		12/30/09 9:46:30 AM
G9L240508-1	LRMDX1AA	1.37	31.61	20.62	10.99	36.34	63.66	0.1		12/30/09 9:46:43 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