

STL Sacramento
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West Sacramento, CA 95605

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March 27, 2006

STL SACRAMENTO PROJECT NUMBER: G6C100424
PO/CONTRACT: 99-22090

Julie Lee
MWH Laboratories
750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

Dear Ms. Lee,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on March 10, 2006. These samples are associated with your 169215/3090024 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) 374-4433.

Sincerely,



Robert Hrabak
Project Manager

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CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6C100424

General Comments

The samples were received ambient.

SOLID, 8290, Dioxins/Furans

Sample(s): 1, 2, 3

Some internal standard recoveries are lower than the method recommended goal of 40% for your samples. Generally, data quality is not considered affected if internal standard signal-to-noise is greater than 10:1, which is achieved for all internal standards in the sample. All detection limits are below the lower calibration limit and there is no adverse impact on data quality.

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

There were no other anomalies associated with this project.

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

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

G6C100424

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
H04HL	1	M120-0.5	3/7/2006 09:10 AM	3/10/2006 09:05 AM
H04HQ	2	M120-10	3/7/2006 10:10 AM	3/10/2006 09:05 AM
H04HR	3	M120-30	3/7/2006 11:45 AM	3/10/2006 09:05 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



MWH Laboratories
 A Division of MWH Americas, Inc.
 750 Royal Oaks Drive Suite 100
 Monrovia, CA 91016-3629
 Ph (626) 386-1100 Fax (626) 386-1095

Ship To **Robert Hrabak**
Severn Trent Laboratories
880 Riverside Parkway
West Sacramento, CA 95605-1501

(916) 373-5600 Fax

Date **03/09/06** **Submittal Form & Purchase Order 99-22090**

***REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers!**
 Report & Invoice must have the MWH Project Number **169215** Sub PO# **99-22090** and Job # **Find Out**
 Report all quality control data according to Method. Include dates analyzed, date extracted (if extracted) and Method reference on the report.
 Results must have Complete data & QC with Approval Signature. See reverse side for List of Terms and Conditions

Reports: Julie Lee Sub-contracting Administrator
 EMAIL TO: Julie.Lee@mwhglobal.com
 MWH Laboratories 750 Royal Oaks Dr. Ste. 100, Monrovia, CA 91016
 Phone (626) 386-1136 Fax (626) 386-1095
 Invoices to: MWH LABORATORIES
 Accounts Payable PO BOX 6610, Broomfield, CO 80021

Provide in each Report
 the Specified State
 Certification # & Exp Date for
 requested tests + matrix

CA ELAP OK

EXTRA VOLUME PROVIDED FOR 2603090029. PLEASE SPIKE IF POSSIBLE OR ANALYZE IN DUPLICATE.

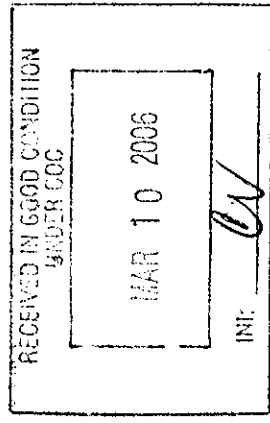
MWH Project # **169215** Report Due: **03/24/06** Sub PO# **99-22090**

JDL
 Use MWH Lab # for ID

STL Sacramento (916) 373-5600

Client Sample ID for reference only	Analysis Requested	Sample Date & Time	Matrix	Container
2603090024	TCDDs+PCDFs +TEQs by 1613B-WW full	03/07/06 9:10	soil	8 oz. glass jars
2603090027	TCDDs+PCDFs +TEQs by 1613B-WW full	03/07/06 10:10	soil	8 oz. glass jars
2603090028	TCDDs+PCDFs +TEQs by 1613B-WW full	03/07/06 11:45	soil	8 oz. glass jars

- Rec'd a 6" Ct - 0V3/10/06



Relinquished by: *Cheng*

Received by: _____ Date 3/10/06 Time 12:25
 Sample Control _____ Date 03/09/06 Time 15:22
 MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS
 Page 1
 An Acknowledgement of Receipt is requested to attn: Michael Lettona



STL

LOT RECEIPT CHECKLIST STL Sacramento

CLIENT MWH PM PO LOG # 37048
 LOT# (QUANTIMS ID) G6C100424 QUOTE# 27859 LOCATION WLB

DATE RECEIVED 3/10/06 TIME RECEIVED 0905 Initials AV Date 3/10/06

- DELIVERED BY
- FEDEX
 - AIRBORNE
 - UPS
 - STL COURIER
 - OTHER
 - CA OVERNIGHT
 - GOLDENSTATE
 - BAX GLOBAL
 - COURIERS ON DEMAND
 - CLIENT
 - DHL
 - GO-GETTERS

CUSTODY SEAL STATUS INTACT BROKEN N/A
 CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) STL CLIENT N/A
 TEMPERATURE RECORD (IN °C) IR 1 3 OTHER _____

COC #(S) _____
 TEMPERATURE BLANK Observed: NA Corrected: _____

SAMPLE TEMPERATURE
 Observed: 13 13 14 Average: 13 Corrected Average: 13
 COLLECTOR'S NAME: Verified from COC Not on COC

pH MEASURED YES ANOMALY N/A

LABELLED BY.....
 LABELS CHECKED BY.....
 PEER REVIEW NA

- | | |
|--|--|
| SHORT HOLD TEST NOTIFICATION | SAMPLE RECEIVING |
| <input type="checkbox"/> METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL | WETCHEM <input checked="" type="checkbox"/> N/A |
| <input type="checkbox"/> COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES | VOA-ENCORES <input checked="" type="checkbox"/> N/A |
| <input checked="" type="checkbox"/> Clouseau | <input checked="" type="checkbox"/> TEMPERATURE EXCEEDED (2 °C - 6 °C)* <input type="checkbox"/> N/A |
| <input type="checkbox"/> WET ICE | <input type="checkbox"/> BLUE ICE <input type="checkbox"/> GEL PACK <input checked="" type="checkbox"/> NO COOLING AGENTS USED <input checked="" type="checkbox"/> PM NOTIFIED |

Notes: Rec'd M12-10 av 3/10/06
Rec'd a 6" cf for M120-10, COC let a 8oz glass jar was sent.

SOLID, 8290, Dioxins/Furans

MWH LABORATORIES
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: M120-0.5

Lot-Sample #...: G6C100424 - 001
 Date Sampled...: 03/07/06
 Prep Date.....: 03/15/06
 Prep Batch #...: 6074263

Work Order #...: H04HL1AC
 Date Received...: 03/10/06
 Analysis Date...: 03/21/06
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 5.9

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.18	1.000	0
Total TCDD	0.55			
1,2,3,7,8-PeCDD	ND	0.62	0.500	0
Total PeCDD	ND	0.87		0
1,2,3,4,7,8-HxCDD	ND	0.34	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.94	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.0	0.100	0
Total HxCDD	ND	2.4		0
1,2,3,4,6,7,8-HpCDD	6.7		0.010	0.0670
Total HpCDD	12			
OCDD	33		0.001	0.0330
2,3,7,8-TCDF	2.9	CON	0.100	0.2900
Total TCDF	20			
1,2,3,7,8-PeCDF	4.7	J	0.050	0.2400
2,3,4,7,8-PeCDF	2.7	J	0.500	1.4000
Total PeCDF	22			
1,2,3,4,7,8-HxCDF	11		0.100	1.1000
1,2,3,6,7,8-HxCDF	7.7		0.100	0.7700
2,3,4,6,7,8-HxCDF	2.8	J	0.100	0.2800
1,2,3,7,8,9-HxCDF	ND	0.69	0.100	0
Total HxCDF	51			
1,2,3,4,6,7,8-HpCDF	30		0.010	0.3000
1,2,3,4,7,8,9-HpCDF	6.5		0.010	0.0650
Total HpCDF	52			
OCDF	54		0.001	0.0540
Total TEQ Concentration				4.5990

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	75	40 - 135
13C-1,2,3,7,8-PeCDD	63	40 - 135
13C-1,2,3,6,7,8-HxCDD	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	73	40 - 135
13C-OCDD	60	40 - 135
13C-2,3,7,8-TCDF	73	40 - 135
13C-1,2,3,7,8-PeCDF	67	40 - 135
13C-1,2,3,4,7,8-HxCDF	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	74	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

CON Confirmation analysis.
 J Estimated result. Result is less than the reporting limit.

MWH LABORATORIES
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: M120-10

Lot-Sample #...: G6C100424 - 002
 Date Sampled...: 03/07/06
 Prep Date.....: 03/15/06
 Prep Batch #...: 6074263

Work Order #...: H04HQ1AC
 Date Received...: 03/10/06
 Analysis Date...: 03/21/06
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 9.1

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.27	1.000	0
Total TCDD	ND	0.27		0
1,2,3,7,8-PeCDD	ND	1.2	0.500	0
Total PeCDD	ND	1.8		0
1,2,3,4,7,8-HxCDD	ND	0.56	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.1	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.9	0.100	0
Total HxCDD	ND	1.9		0
1,2,3,4,6,7,8-HpCDD	ND	0.84	0.010	0
Total HpCDD	ND	0.84		0
OCDD	ND	1.4	0.001	0
2,3,7,8-TCDF	ND	0.29	0.100	0
Total TCDF	0.74			
1,2,3,7,8-PeCDF	ND	0.48	0.050	0
2,3,4,7,8-PeCDF	ND	0.47	0.500	0
Total PeCDF	ND	0.69		0
1,2,3,4,7,8-HxCDF	ND	0.87	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.65	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.71	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.74	0.100	0
Total HxCDF	ND	0.87		0
1,2,3,4,6,7,8-HpCDF	ND	0.79	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.59	0.010	0
Total HpCDF	ND	0.79		0
OCDF	ND	1.3	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	33 *	40 - 135
13C-1,2,3,7,8-PeCDD	27 *	40 - 135
13C-1,2,3,6,7,8-HxCDD	30 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	30 *	40 - 135
13C-OCDD	24 *	40 - 135
13C-2,3,7,8-TCDF	34 *	40 - 135
13C-1,2,3,7,8-PeCDF	28 *	40 - 135
13C-1,2,3,4,7,8-HxCDF	30 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	33 *	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

* Surrogate recovery is outside stated control limits.

MWH LABORATORIES
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: M120-30

Lot-Sample #...: G6C100424 - 003
 Date Sampled...: 03/07/06
 Prep Date.....: 03/15/06
 Prep Batch #...: 6074263

Work Order #...: H04HR1AC
 Date Received...: 03/10/06
 Analysis Date...: 03/21/06
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.23	1.000	0
Total TCDD	ND	0.23		0
1,2,3,7,8-PeCDD	ND	0.79	0.500	0
Total PeCDD	ND	2.4		0
1,2,3,4,7,8-HxCDD	ND	0.56	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.51	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.50	0.100	0
Total HxCDD	ND	0.56		0
1,2,3,4,6,7,8-HpCDD	ND	0.81	0.010	0
Total HpCDD	ND	0.81		0
OCDD	ND	1.3	0.001	0
2,3,7,8-TCDF	ND	0.17	0.100	0
Total TCDF	ND	0.37		0
1,2,3,7,8-PeCDF	ND	0.34	0.050	0
2,3,4,7,8-PeCDF	ND	0.33	0.500	0
Total PeCDF	ND	0.38		0
1,2,3,4,7,8-HxCDF	ND	0.54	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.51	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.55	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.56	0.100	0
Total HxCDF	ND	0.56		0
1,2,3,4,6,7,8-HpCDF	ND	0.56	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.63	0.010	0
Total HpCDF	ND	0.63		0
OCDF	ND	1.4	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	47	40 - 135
13C-1,2,3,7,8-PeCDD	37 *	40 - 135
13C-1,2,3,6,7,8-HxCDD	34 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	27 *	40 - 135
13C-OCDD	21 *	40 - 135
13C-2,3,7,8-TCDF	47	40 - 135
13C-1,2,3,7,8-PeCDF	39 *	40 - 135
13C-1,2,3,4,7,8-HxCDF	33 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	29 *	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

G6C100424

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		6074263	6086285
	SOLID	ASTM D 2216-90		6083567	6083348
002	SOLID	SW846 8290		6074263	6086285
	SOLID	ASTM D 2216-90		6083567	6083348
003	SOLID	SW846 8290		6074263	6086285
	SOLID	ASTM D 2216-90		6083567	6083348

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G6C100424 Work Order #...: H09V01AA Matrix.....: SOLID
 MB Lot-Sample #: G6C150000-263
 Analysis Date...: 03/21/06 Prep Date.....: 03/15/06
 Dilution Factor: 1 Prep Batch #...: 6074263

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	0.095	pg/g	SW846 8290
Total TCDD	ND	0.16	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.31	pg/g	SW846 8290
Total PeCDD	ND	0.44	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.16	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.14	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.14	pg/g	SW846 8290
Total HxCDD	ND	0.32	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.56	pg/g	SW846 8290
Total HpCDD	ND	0.56	pg/g	SW846 8290
OCDD	ND	1.8	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.095	pg/g	SW846 8290
Total TCDF	ND	0.095	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.11	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.10	pg/g	SW846 8290
Total PeCDF	ND	0.12	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.17	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.16	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.17	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.18	pg/g	SW846 8290
Total HxCDF	ND	0.18	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.19	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.21	pg/g	SW846 8290
Total HpCDF	ND	0.21	pg/g	SW846 8290
OCDF	ND	0.32	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	85	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	98	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	92	(40 - 135)
13C-1,2,3,7,8-PeCDF	88	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	102	(40 - 135)

NOTE (S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G6C100424 Work Order #...: H09V01AC Matrix.....: SOLID
 LCS Lot-Sample#: G6C150000-263
 Prep Date.....: 03/15/06 Analysis Date...: 03/21/06
 Prep Batch #...: 6074263
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	93	(71 - 128)	SW846 8290
1,2,3,7,8-PeCDD	100	(73 - 134)	SW846 8290
1,2,3,4,7,8-HxCDD	107	(66 - 137)	SW846 8290
1,2,3,6,7,8-HxCDD	105	(75 - 131)	SW846 8290
1,2,3,7,8,9-HxCDD	108	(74 - 135)	SW846 8290
1,2,3,4,6,7,8-HpCDD	96	(76 - 130)	SW846 8290
OCDD	99	(74 - 133)	SW846 8290
2,3,7,8-TCDF	92	(71 - 134)	SW846 8290
1,2,3,7,8-PeCDF	96	(74 - 130)	SW846 8290
2,3,4,7,8-PeCDF	95	(71 - 133)	SW846 8290
1,2,3,4,7,8-HxCDF	109	(73 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	111	(69 - 139)	SW846 8290
2,3,4,6,7,8-HxCDF	105	(75 - 147)	SW846 8290
1,2,3,7,8,9-HxCDF	100	(71 - 140)	SW846 8290
1,2,3,4,6,7,8-HpCDF	98	(75 - 131)	SW846 8290
1,2,3,4,7,8,9-HpCDF	92	(68 - 138)	SW846 8290
OCDF	100	(68 - 142)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	91	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	89	(40 - 135)
13C-OCDD	76	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
13C-1,2,3,7,8-PeCDF	84	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(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 #...: G6C100424 Work Order #...: H09V01AC Matrix.....: SOLID
 LCS Lot-Sample#: G6C150000-263
 Prep Date.....: 03/15/06 Analysis Date...: 03/21/06
 Prep Batch #...: 6074263
 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	18.6	pg/g	93	SW846 8290
1,2,3,7,8-PeCDD	100	100	pg/g	100	SW846 8290
1,2,3,4,7,8-HxCDD	100	107	pg/g	107	SW846 8290
1,2,3,6,7,8-HxCDD	100	105	pg/g	105	SW846 8290
1,2,3,7,8,9-HxCDD	100	108	pg/g	108	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	95.8	pg/g	96	SW846 8290
OCDD	200	198	pg/g	99	SW846 8290
2,3,7,8-TCDF	20.0	18.4	pg/g	92	SW846 8290
1,2,3,7,8-PeCDF	100	95.6	pg/g	96	SW846 8290
2,3,4,7,8-PeCDF	100	95.0	pg/g	95	SW846 8290
1,2,3,4,7,8-HxCDF	100	109	pg/g	109	SW846 8290
1,2,3,6,7,8-HxCDF	100	111	pg/g	111	SW846 8290
2,3,4,6,7,8-HxCDF	100	105	pg/g	105	SW846 8290
1,2,3,7,8,9-HxCDF	100	99.8	pg/g	100	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	98.4	pg/g	98	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	92.5	pg/g	92	SW846 8290
OCDF	200	200	pg/g	100	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	91	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	89	(40 - 135)
13C-OCDD	76	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
13C-1,2,3,7,8-PeCDF	84	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(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 #...: G6C100424 Work Order #...: H04HL1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G6C100424-001 H04HL1AE-MSD
 Date Sampled...: 03/07/06 Date Received...: 03/10/06
 Prep Date.....: 03/15/06 Analysis Date...: 03/21/06
 Prep Batch #...: 6074263
 Dilution Factor: 1 % Moisture.....: 5.9

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,3,7,8-TCDD	90	(71 - 128)			SW846 8290
	63 a,p	(71 - 128)	35	(0-25)	SW846 8290
1,2,3,7,8-PeCDD	96	(73 - 134)			SW846 8290
	68 a,p	(73 - 134)	34	(0-25)	SW846 8290
1,2,3,4,7,8-HxCDD	98	(66 - 137)			SW846 8290
	61 a,p	(66 - 137)	46	(0-25)	SW846 8290
1,2,3,6,7,8-HxCDD	98	(75 - 131)			SW846 8290
	67 a,p	(75 - 131)	38	(0-25)	SW846 8290
1,2,3,7,8,9-HxCDD	103	(74 - 135)			SW846 8290
	66 a,p	(74 - 135)	43	(0-25)	SW846 8290
1,2,3,4,6,7,8-HpCDD	98	(76 - 130)			SW846 8290
	67 a,p	(76 - 130)	35	(0-25)	SW846 8290
OCDD	123	(74 - 133)			SW846 8290
	67 a,p	(74 - 133)	51	(0-25)	SW846 8290
2,3,7,8-TCDF	101 CON	(71 - 134)			SW846 8290
	64 a,p,CO	(71 - 134)	39	(0-25)	SW846 8290
1,2,3,7,8-PeCDF	93	(74 - 130)			SW846 8290
	66 a,p	(74 - 130)	32	(0-25)	SW846 8290
2,3,4,7,8-PeCDF	86	(71 - 133)			SW846 8290
	64 a,p	(71 - 133)	28	(0-25)	SW846 8290
1,2,3,4,7,8-HxCDF	118	(73 - 132)			SW846 8290
	76 p	(73 - 132)	39	(0-25)	SW846 8290
1,2,3,6,7,8-HxCDF	119	(69 - 139)			SW846 8290
	78 p	(69 - 139)	39	(0-25)	SW846 8290
2,3,4,6,7,8-HxCDF	114	(75 - 147)			SW846 8290
	80 p	(75 - 147)	35	(0-25)	SW846 8290
1,2,3,7,8,9-HxCDF	108	(71 - 140)			SW846 8290
	81 p	(71 - 140)	28	(0-25)	SW846 8290
1,2,3,4,6,7,8-HpCDF	115	(75 - 131)			SW846 8290
	61 a,p	(75 - 131)	46	(0-25)	SW846 8290
1,2,3,4,7,8,9-HpCDF	95	(68 - 138)			SW846 8290
	73	(68 - 138)	24	(0-25)	SW846 8290
OCDF	132	(68 - 142)			SW846 8290
	74 p	(68 - 142)	46	(0-25)	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G6C100424 Work Order #...: H04HL1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G6C100424-001 H04HL1AE-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	41	(40 - 135)
	76	(40 - 135)
13C-1,2,3,7,8-PeCDD	34 *	(40 - 135)
	65	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	42	(40 - 135)
	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	38 *	(40 - 135)
	63	(40 - 135)
13C-OCDD	32 *	(40 - 135)
	47	(40 - 135)
13C-2,3,7,8-TCDF	41	(40 - 135)
	75	(40 - 135)
13C-1,2,3,7,8-PeCDF	37 *	(40 - 135)
	68	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	40	(40 - 135)
	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	41	(40 - 135)
	67	(40 - 135)

NOTE (S) :

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

Bold print denotes control parameters

- a Spiked analyte recovery is outside stated control limits.
- p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

CON Confirmation analysis.

- * Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G6C100424 Work Order #...: H04HL1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G6C100424-001 H04HL1AE-MSD
 Date Sampled...: 03/07/06 Date Received...: 03/10/06
 Prep Date.....: 03/15/06 Analysis Date...: 03/21/06
 Prep Batch #...: 6074263
 Dilution Factor: 1 % Moisture.....: 5.9

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
2,3,7,8-TCDD	ND	21.3	19.2	pg/g	90		SW846 8290
	ND	21.3	13.5	pg/g	63 a,p	35	SW846 8290
1,2,3,7,8-PeCDD	ND	106	102	pg/g	96		SW846 8290
	ND	106	72.1	pg/g	68 a,p	34	SW846 8290
1,2,3,4,7,8-HxCDD	ND	106	104	pg/g	98		SW846 8290
	ND	106	64.9	pg/g	61 a,p	46	SW846 8290
1,2,3,6,7,8-HxCDD	ND	106	104	pg/g	98		SW846 8290
	ND	106	71.4	pg/g	67 a,p	38	SW846 8290
1,2,3,7,8,9-HxCDD	ND	106	109	pg/g	103		SW846 8290
	ND	106	70.4	pg/g	66 a,p	43	SW846 8290
1,2,3,4,6,7,8-HpCDD	6.7	106	111	pg/g	98		SW846 8290
	6.7	106	78.2	pg/g	67 a,p	35	SW846 8290
OCDD	33	213	294	pg/g	123		SW846 8290
	33	213	175	pg/g	67 a,p	51	SW846 8290
2,3,7,8-TCDF	2.9	21.3	24.3	pg/g	101		SW846 8290
		Qualifiers: CON					
	2.9	21.3	16.4	pg/g	64	39	SW846 8290
		Qualifiers: a,p, CON					
1,2,3,7,8-PeCDF	4.7	106	104	pg/g	93		SW846 8290
	4.7	106	75.1	pg/g	66 a,p	32	SW846 8290
2,3,4,7,8-PeCDF	2.7	106	94.0	pg/g	86		SW846 8290
	2.7	106	71.0	pg/g	64 a,p	28	SW846 8290
1,2,3,4,7,8-HxCDF	11	106	137	pg/g	118		SW846 8290
	11	106	92.0	pg/g	76 p	39	SW846 8290
1,2,3,6,7,8-HxCDF	7.7	106	134	pg/g	119		SW846 8290
	7.7	106	90.1	pg/g	78 p	39	SW846 8290
2,3,4,6,7,8-HxCDF	2.8	106	124	pg/g	114		SW846 8290
	2.8	106	87.4	pg/g	80 p	35	SW846 8290
1,2,3,7,8,9-HxCDF	ND	106	115	pg/g	108		SW846 8290
	ND	106	86.4	pg/g	81 p	28	SW846 8290
1,2,3,4,6,7,8-HpCDF	30	106	152	pg/g	115		SW846 8290
	30	106	95.3	pg/g	61 a,p	46	SW846 8290
1,2,3,4,7,8,9-HpCDF	6.5	106	107	pg/g	95		SW846 8290
	6.5	106	84.4	pg/g	73	24	SW846 8290
OCDF	54	213	335	pg/g	132		SW846 8290
	54	213	210	pg/g	74 p	46	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G6C100424 Work Order #...: H04HL1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G6C100424-001 H04HL1AE-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	41	(40 - 135)
	76	(40 - 135)
13C-1,2,3,7,8-PeCDD	34 *	(40 - 135)
	65	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	42	(40 - 135)
	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	38 *	(40 - 135)
	63	(40 - 135)
13C-OCDD	32 *	(40 - 135)
	47	(40 - 135)
13C-2,3,7,8-TCDF	41	(40 - 135)
	75	(40 - 135)
13C-1,2,3,7,8-PeCDF	37 *	(40 - 135)
	68	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	40	(40 - 135)
	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	41	(40 - 135)
	67	(40 - 135)

NOTE (S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

CON Confirmation analysis.

* Surrogate recovery is outside stated control limits.

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

initial/continuing calibration standards

interference/performance check standards

initial/continuing calibration blanks

method blanks

ics

ms/sd

sample raw data

ms tune data

Run text: H09V0-1-AA Sample text: H09V0-1-AA :G6C150000-263B
 Run #29 Filename: 20MR061D5 S: 29 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 05:59:21 Processed: 21-MAR-06 08:02:40
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 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	93359400	0.83 y	18:28	-	7.93	-	-	n
13C-2,3,7,8-TCDF	145509500	0.82 y	17:55	1.70	183.33	0.11	91.7	n
2,3,7,8-TCDF	*	* n	NotFnd	1.10	*	0.095	-	n
Total TCDF	38098	0.76 y	17:02	1.10	0.05	0.09↓	-	n
13C-2,3,7,8-TCDD	72831300	0.80 y	18:41	0.87	179.60	0.39	89.8	n
2,3,7,8-TCDD	*	* n	NotFnd	1.42	*	0.095	-	n
Total TCDD	91714	3.00 n	17:55	1.42	0.18 D.16 = DL	0.09↓	-	n
37Cl-2,3,7,8-TCDD	75310400	1.00 y	18:42	2.41	67.00	0.05	83.7	n
13C-1,2,3,7,8-PeCDF	116139200	1.63 y	23:14	1.42	175.17	0.13	87.6	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.04	*	0.11	-	n
2,3,4,7,8-PeCDF	18319	0.83 n	24:39	1.07	0.03	0.10	-	n
Total F2 PeCDF	65846	0.21 n	24:00	1.06	0.11	0.10	-	n
Total F1 PeCDF	90343	0.15 n	15:55	1.06	0.15	0.12	-	n
13C-1,2,3,7,8-PeCDD	66500700	1.65 y	25:23	0.83	170.72	0.12	85.4	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*	0.31	-	n
Total PeCDD	210796	2.76 n	24:37	1.05	0.60 D.44 = DL	0.31	-	n
13C-1,2,3,7,8,9-HxCDD	63229400	1.30 y	32:42	-	5.85	-	-	n
13C-1,2,3,4,7,8-HxCDF	79629200	0.54 y	31:14	1.33	188.67	0.15	94.3	n
1,2,3,4,7,8-HxCDF	36014	0.97 n	31:14	1.14	0.08	0.17	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.23	*	0.16	-	n
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.13	*	0.17	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*	0.18	-	n
Total HxCDF	55820	2.99 n	28:55	1.15	0.12	0.17 D.18	-	n
13C-1,2,3,6,7,8-HxCDD	57784100	1.31 y	32:22	0.97	187.89	0.09	93.9	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.98	*	0.16	-	n
1,2,3,6,7,8-HxCDD	18856	1.26 y	32:23	1.07	0.06	0.14	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.10	*	0.14	-	n
Total HxCDD	262706	8.73 n	31:14	1.05	0.07 D.32 = DL	0.15	-	n
13C-1,2,3,4,6,7,8-HpCDF	68569400	0.44 y	34:24	1.06	204.43	1.25	102.2	n
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.37	*	0.19	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.23	*	0.21	-	n
Total HpCDF	*	* n	NotFnd	1.30	*	0.20 D.21	-	n
13C-1,2,3,4,6,7,8-HpCDD	55241700	1.04 y	35:18	0.89	195.25	0.56	97.6	n
1,2,3,4,6,7,8-HpCDD	164314	0.84 n	35:19	1.06	0.56 DL	0.23	-	n
Total HpCDD	464743	2.89 n	34:24	1.06	1.59 D.56 = DL	0.23	-	n
13C-OCDD	85919400	0.91 y	38:00	0.76	357.07	0.79	89.3	n
OCDF	*	* n	NotFnd	1.46	*	0.32	-	n
OCDD	429400	0.76 y	38:01	1.10	1.82 DL	0.23	-	n

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:1
 Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 0.47 of which * named and 0.47 unnamed
 Conc: 0.05 of which * named and 0.05 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	17:02	0.76	y 0.05	16392	2.2	n	n
					21707	1.6	n	n

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:2
 Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 1.77 of which * named and 1.77 unnamed
 Conc: 0.18 of which * named and 0.18 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	17:55	3.00	n 0.16	137765	20.6	y	n
					45883	6.4	y	n
	2	20:18	2.31	n 0.02	13717	2.8	n	n
					5933	0.8	n	n

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:5
 Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 1.07 of which 0.29 named and 0.77 unnamed
 Conc: 0.11 of which 0.03 named and 0.08 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	24:00	0.21	n 0.01	3516	1.0	n	n
					16446	1.5	n	n
	2	24:05	0.31	n 0.01	4307	0.9	n	n
					13703	1.5	n	n

2,3,4,7,8-PeCDF	3	24:39	0.83	n	0.03	11135 13394	2.9 1.5	n n	n n
	4	26:36	1.03	n	0.04	14077 13707	2.9 1.8	n n	n n
	5	26:50	0.57	n	0.02	6988 12185	1.6 1.5	n n	n n

Totals Results STL Sacramento

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:3
 Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 1.47 of which * named and 1.47 unnamed
 Conc: 0.15 of which * named and 0.15 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?	
	1	15:55	0.15	n	0.07	25147 166197	4.6 11.7	y y	n n
	2	16:33	0.93	n	0.04	14173 15302	2.2 1.3	n n	n n
	3	19:42	0.08	n	0.04	15595 200344	2.9 10.0	n y	n n

Totals Results STL Sacramento

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:2
 Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 6.02 of which * named and 6.02 unnamed
 Conc: 0.60 of which * named and 0.60 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?	
	1	24:37	2.76	n	0.16	62209 22568	3.1 3.3	y y	n n
	2	25:04	6.50	n	0.44	390469 60097	11.1 6.7	y y	n n

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:2

Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 1.23 of which 0.80 named and 0.43 unnamed
Conc: 0.12 of which 0.08 named and 0.04 unnamed

Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >? Mod?. Rows include 1, 28:55, 2.99, n, 0.04, 26467, 1.8, n, n and 1, 2, 3, 4, 7, 8-HxCDF, 2, 31:14, 0.97, n, 0.08, 19936, 1.2, n, n.

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:5

Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 8.67 of which 0.61 named and 8.06 unnamed
Conc: 0.87 of which 0.06 named and 0.81 unnamed

Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >? Mod?. Rows include 1, 31:14, 8.73, n, 0.10, 123475, 13.4, y, n and 1, 2, 3, 6, 7, 8-HxCDD, 4, 32:23, 1.26, y, 0.06, 10514, 1.9, n, n.

Run Text: H09V0-1-AA

Sample text: H09V0-1-AA :G6C150000-263B

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:0

Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: * of which * named and * unnamed

Conc: * of which * named and * unnamed

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

Totals Results STL Sacramento

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Run Text: H09V0-1-AA

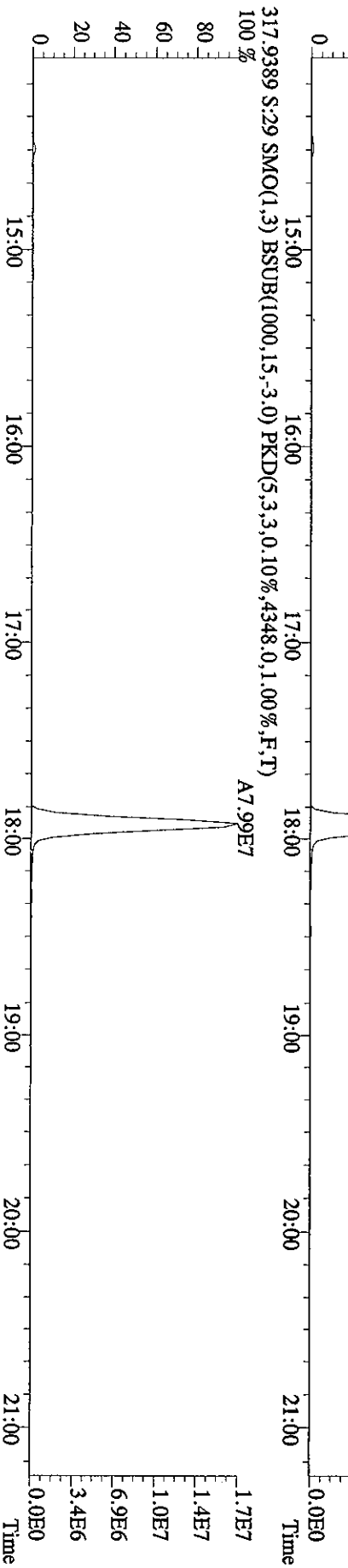
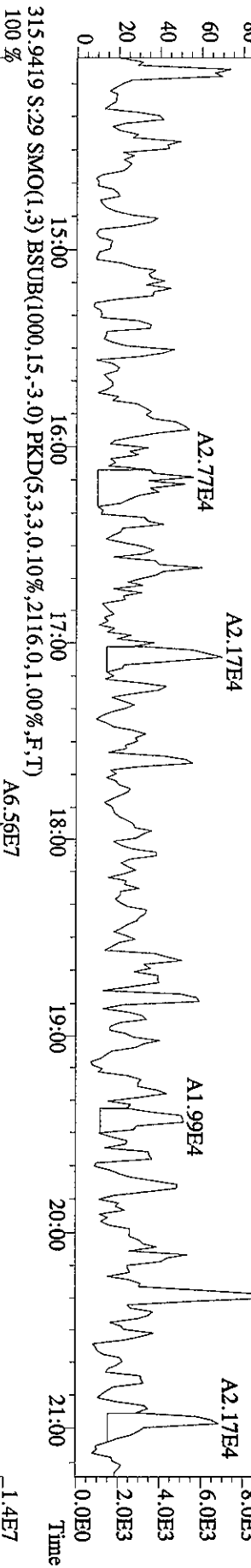
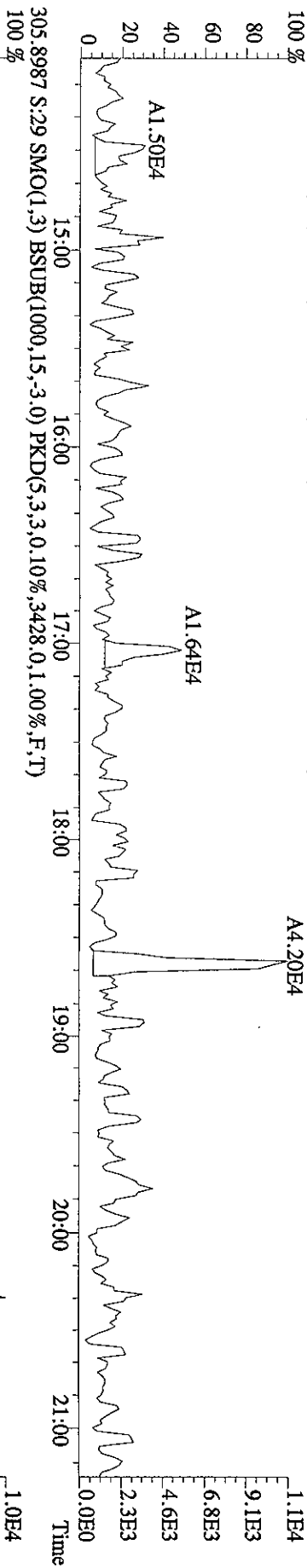
Sample text: H09V0-1-AA :G6C150000-263B

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
 Run: 29 File: 20MR061D5 S:29 Acq:21-MAR-06 05:59:21
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D η

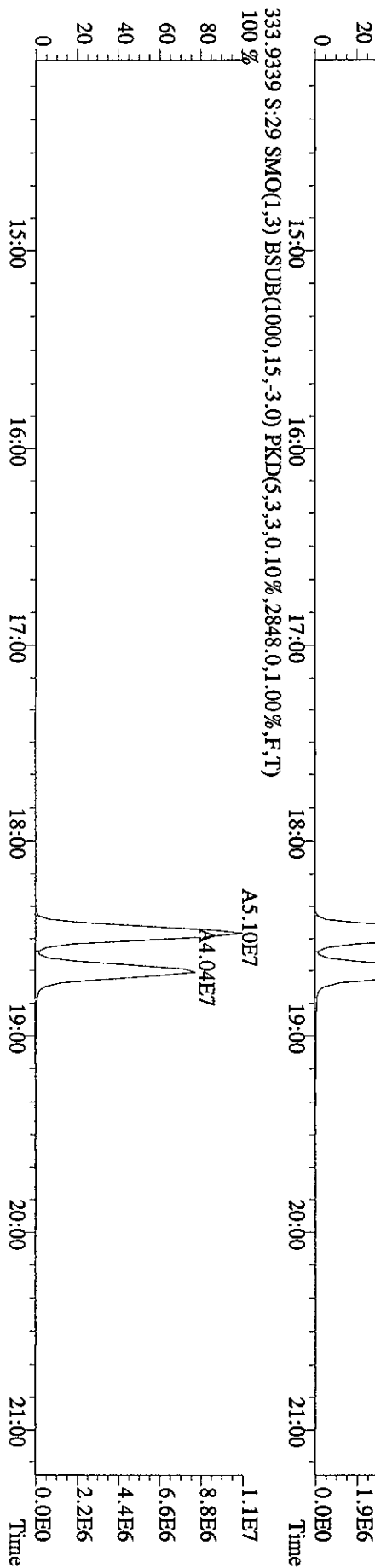
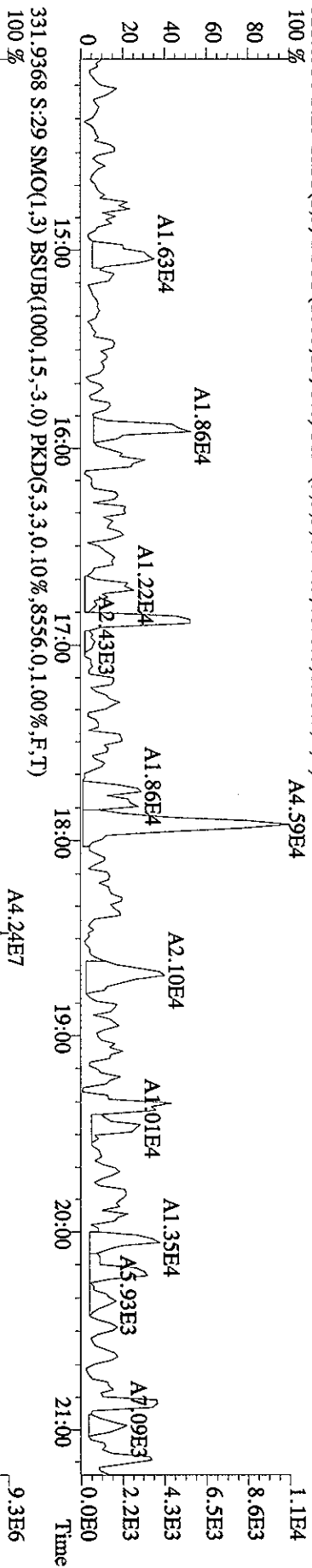
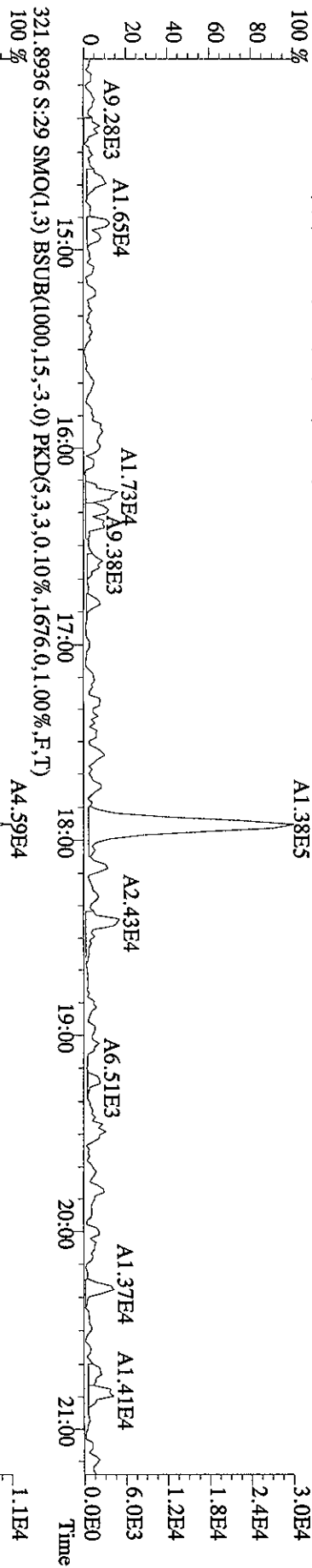
Amount: 15.88 of which 5.61 named and 10.27 unnamed
 Conc: 1.59 of which 0.56 named and 1.03 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	34:24	2.89	n	0.47	195123	13.6	y n
					67413	10.0	y	n
	2	34:42	1.83	n	0.26	67036	4.2	y n
					36677	6.8	y	n
1,2,3,4,6,7,8-HpCDD	3	35:19	0.84	n	0.56	83768	5.1	y n
					99141	13.9	y	n
	4	35:39	2.78	n	0.30	120106	6.5	y n
					43179	6.0	y	n

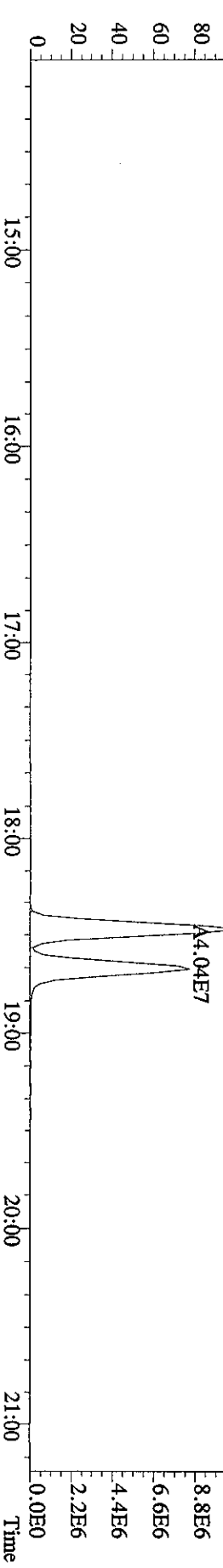
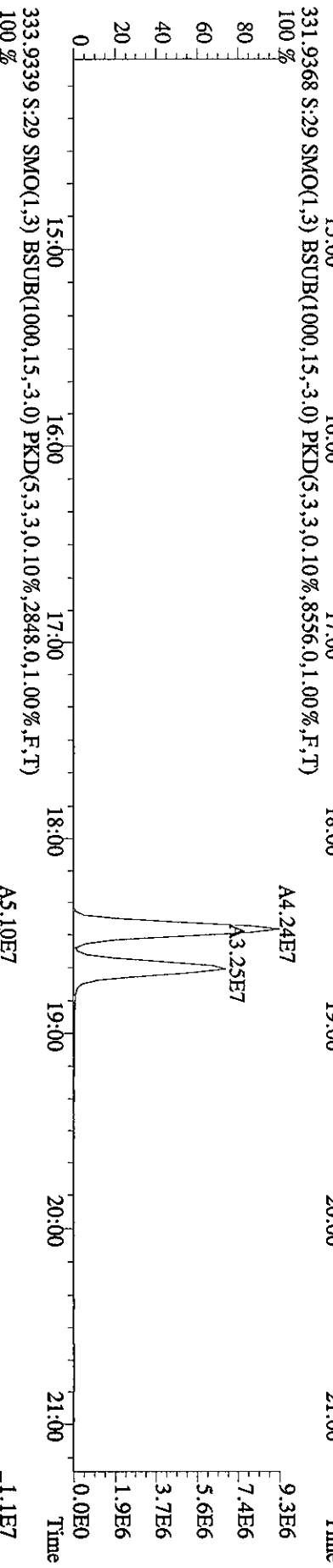
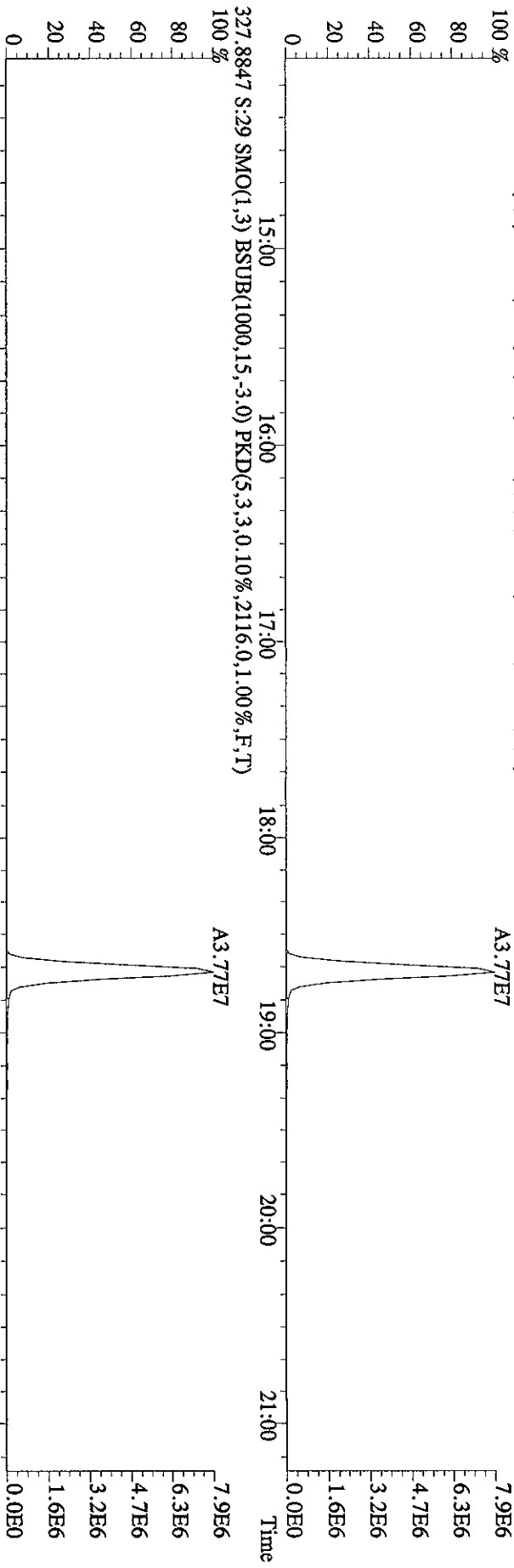
File:20MR061D5 #1-392 Acq:21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample#29 Text:H09V0-1-AA :G6C150000-263B Exp:DIOXIN
 303.9016 S:29 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1960,0.1,0.00%,F,T)



File: 20MMR061D5 #1-392 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample#29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN
 319.8965 S: 29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1432.0,1.00%,F,T)



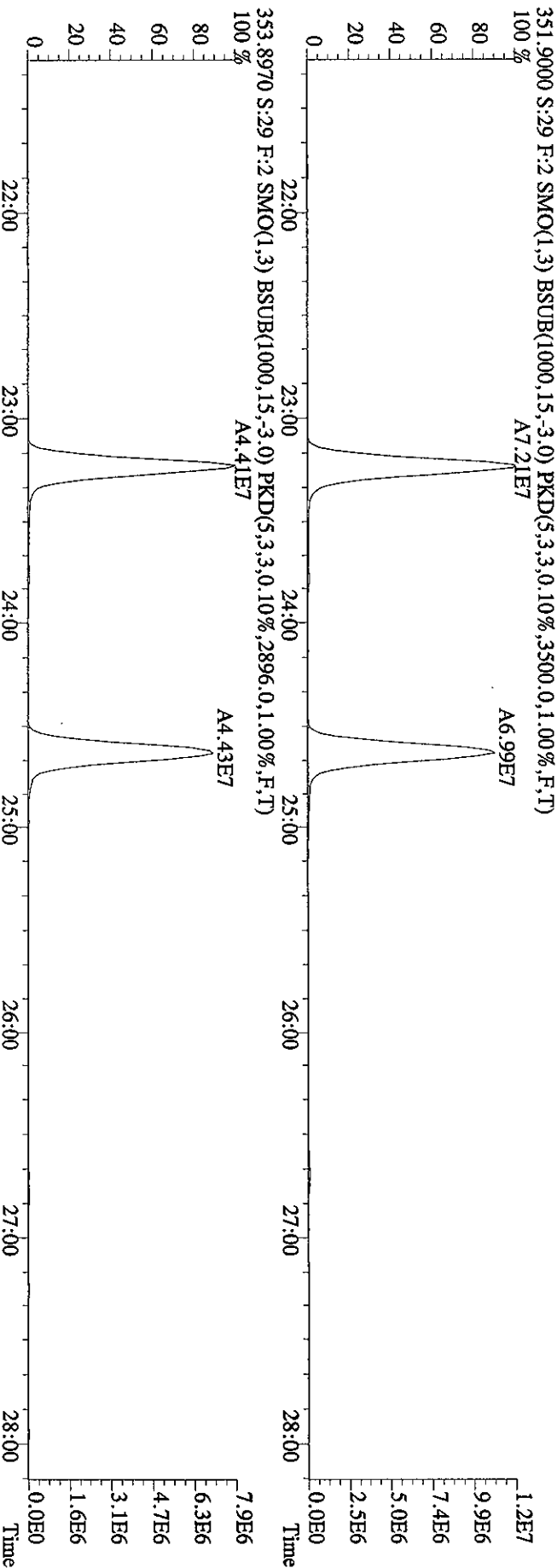
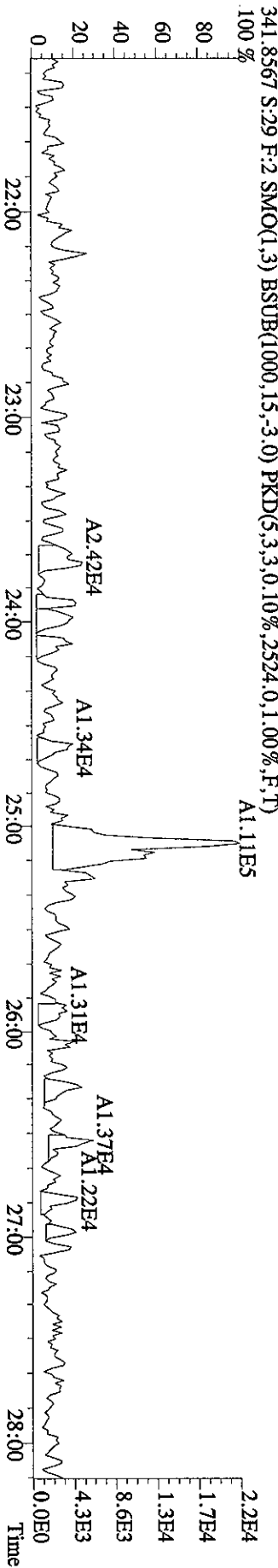
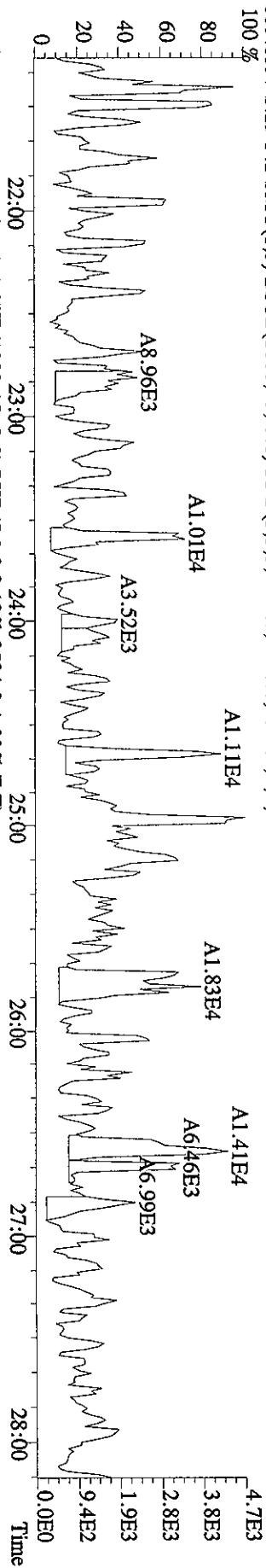
File:20MR061D5 #1-392 Acq:21-MAR-2006 05:59:21 GC EI + Voltage SIR 70SE
 Sample#29 Text:H09V0-1-AA :G6C150000-263B Exp:DIOXIN
 327.8847 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2116.0,1.00%,F,T)
 100%



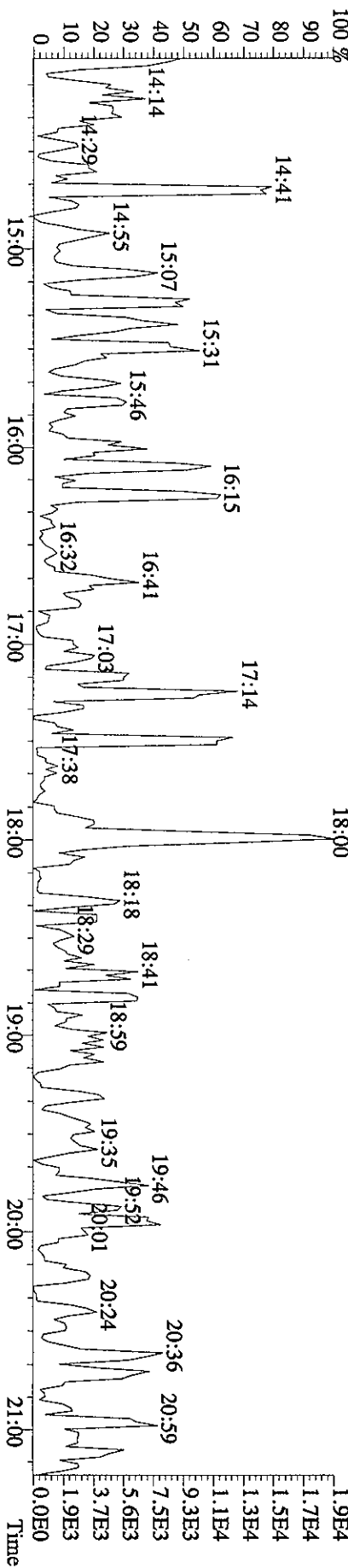
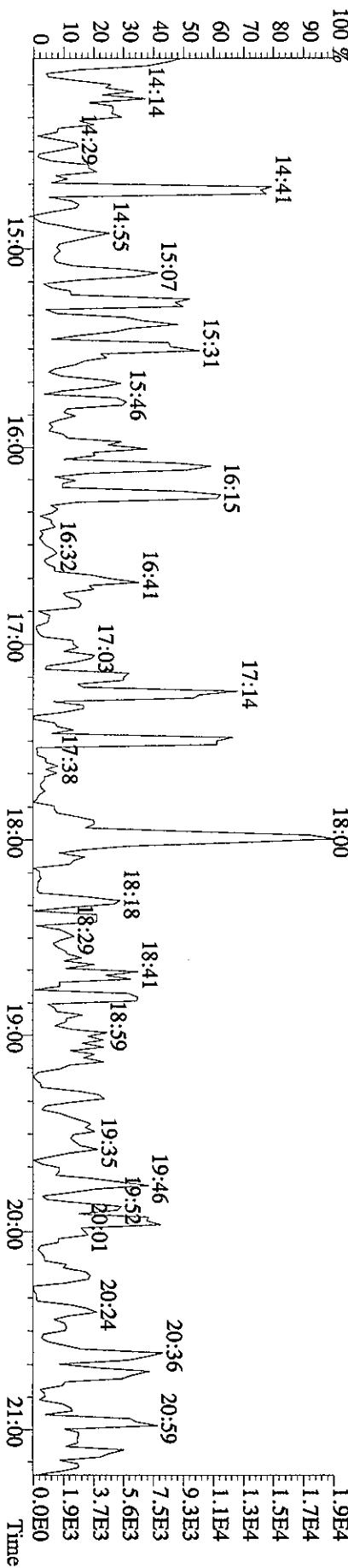
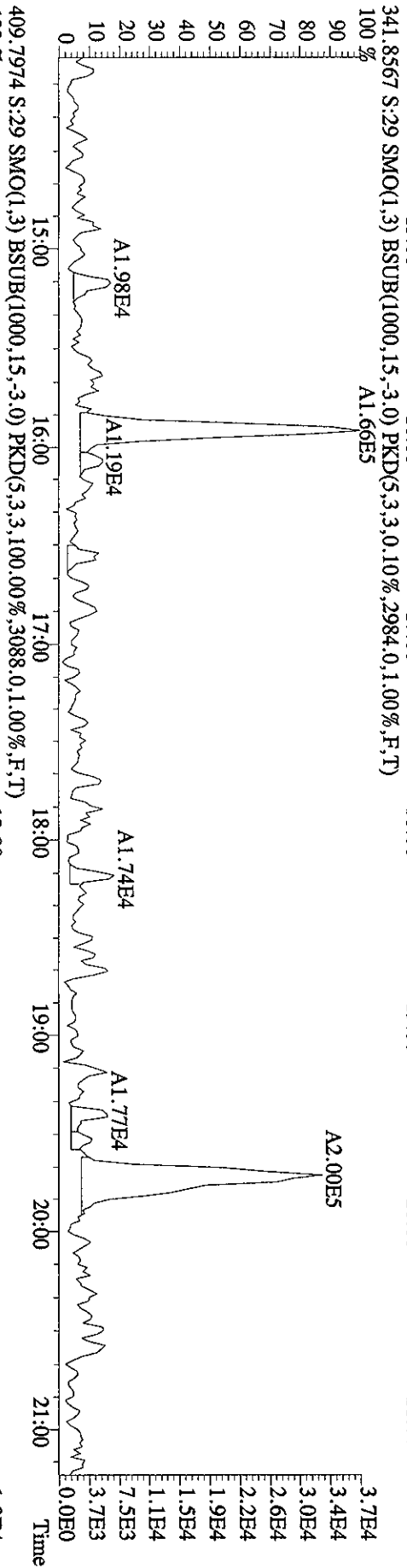
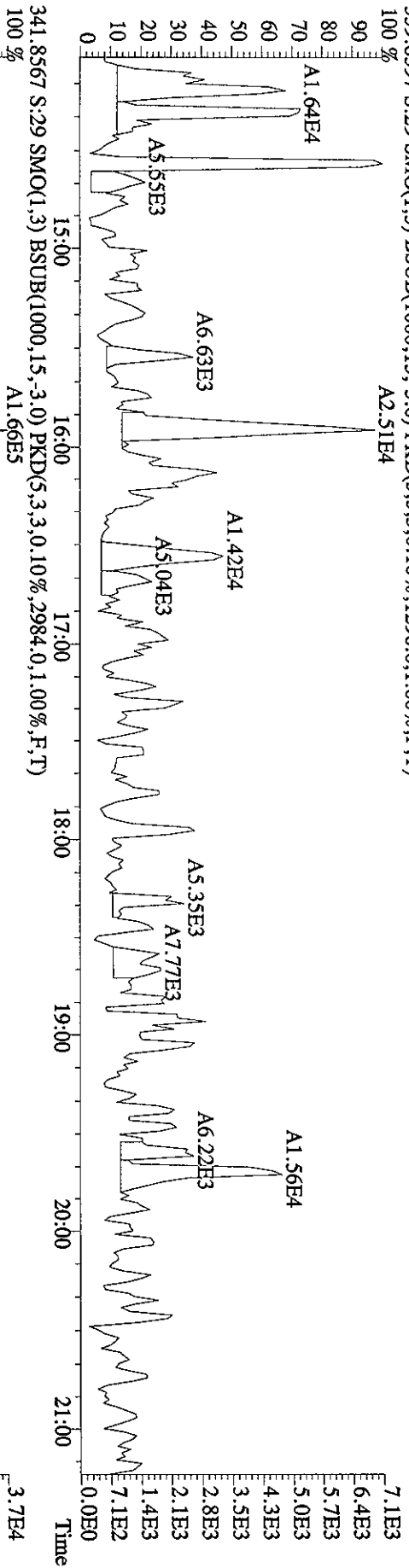
File: 20MAR061ID5 #1-487 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE

Sample#29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN

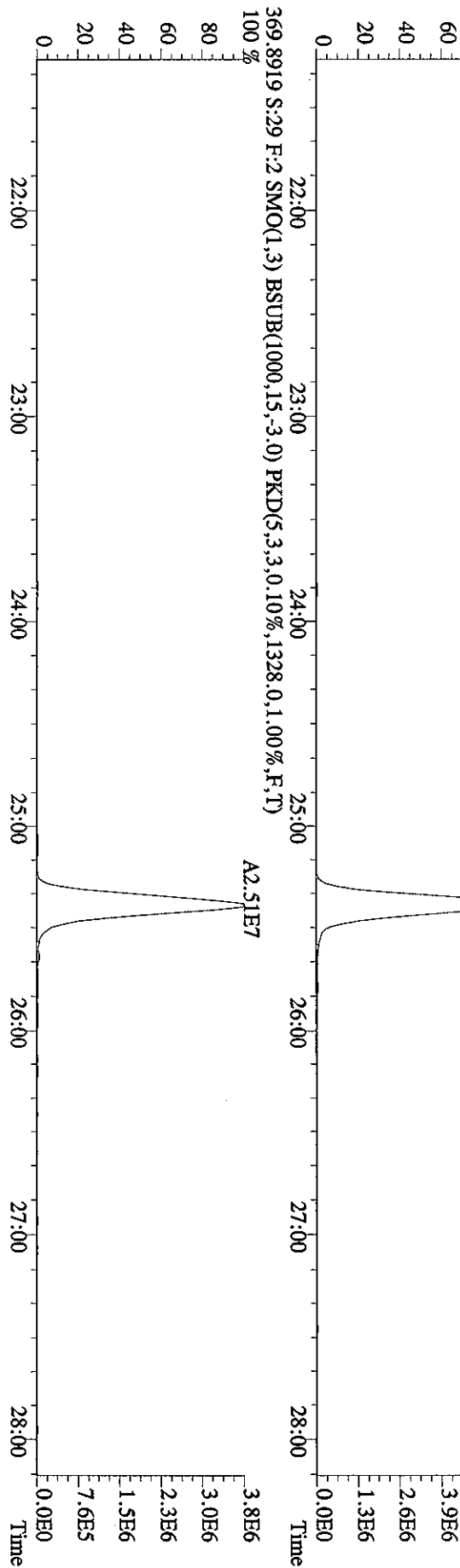
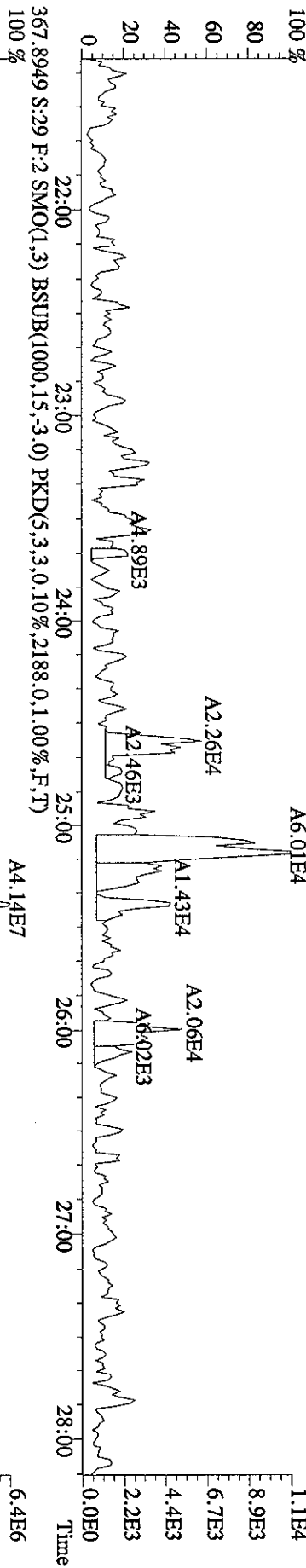
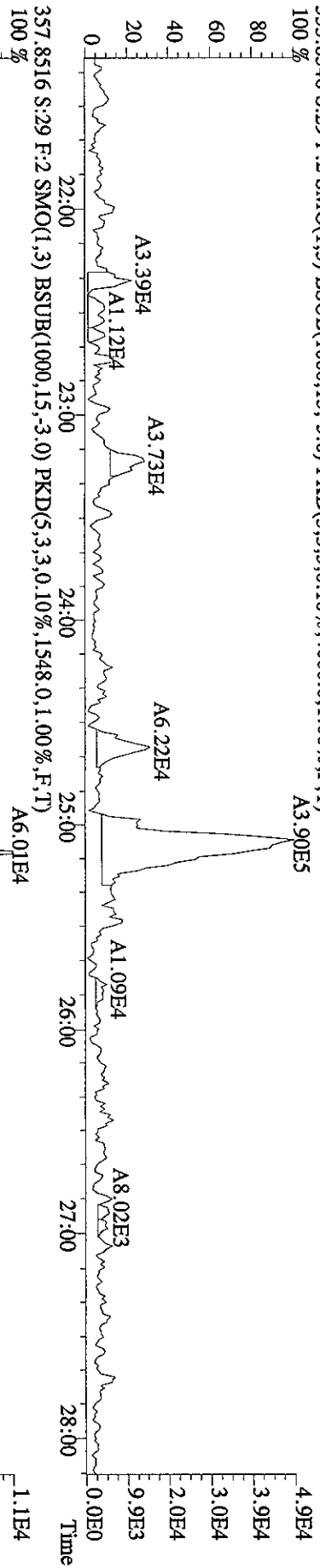
339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1216,0,1,00%,F,T)



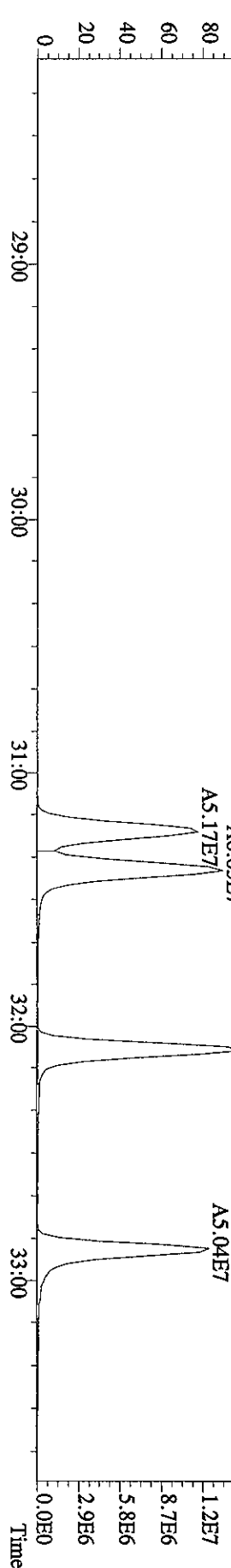
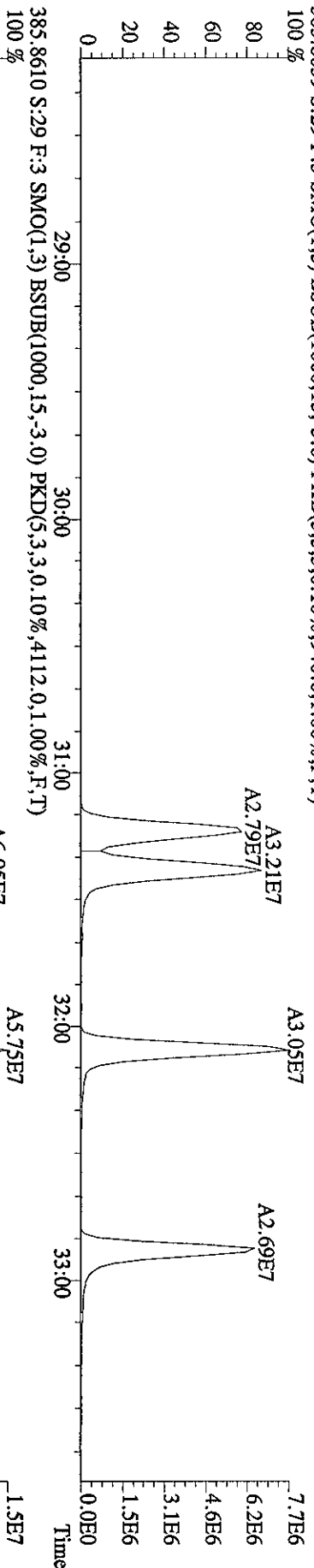
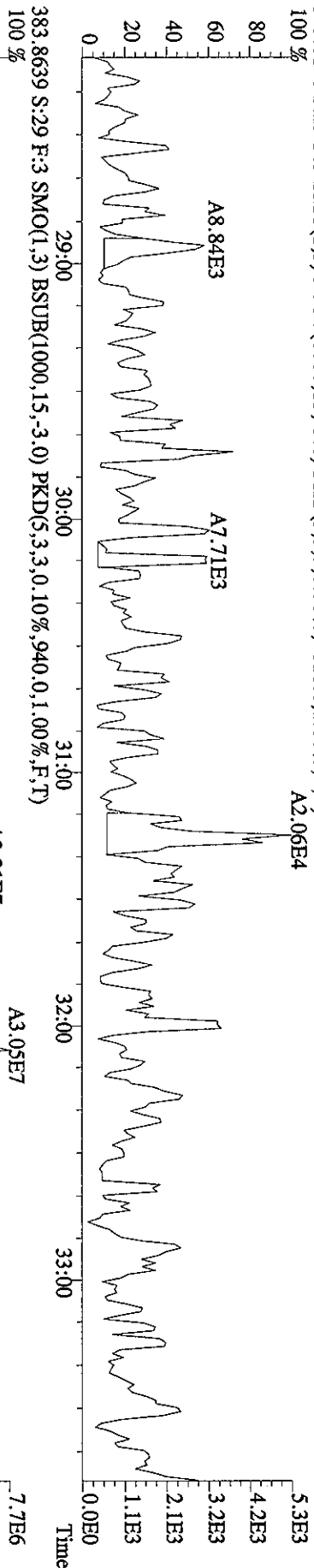
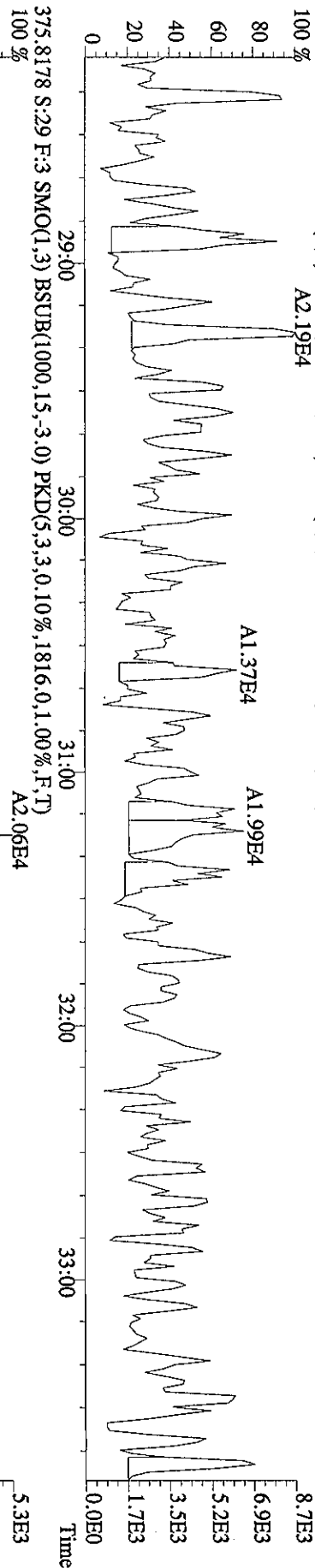
File: 20MR061D5 #1-392 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample#29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN
 339.8597 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



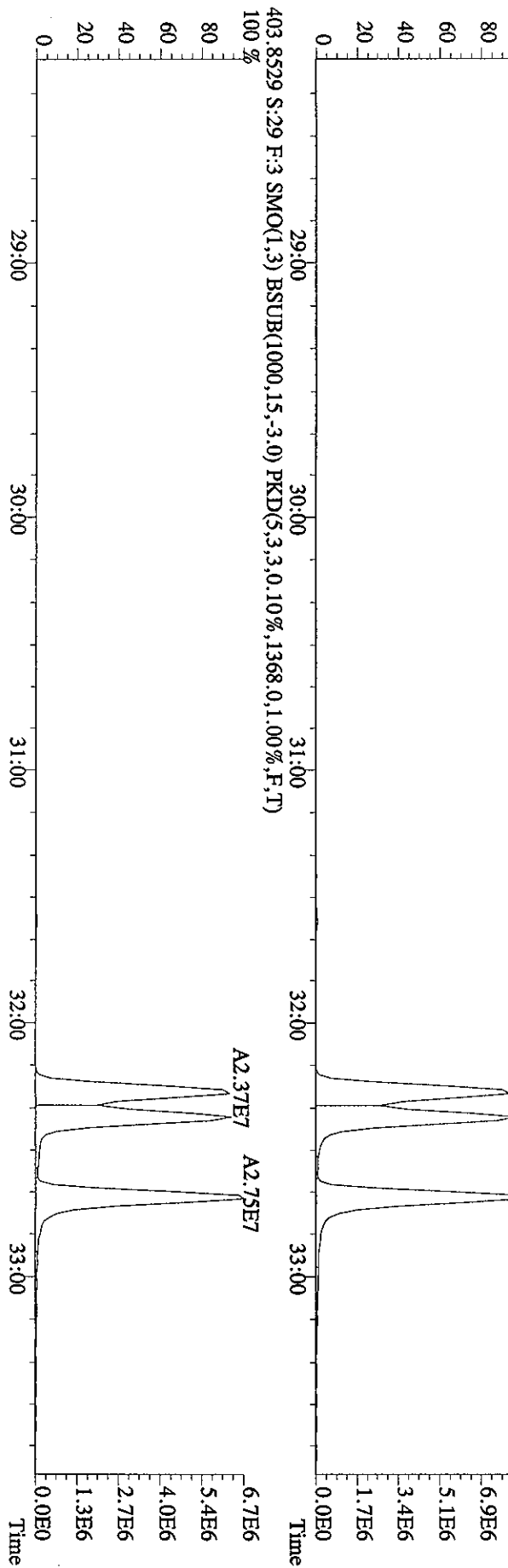
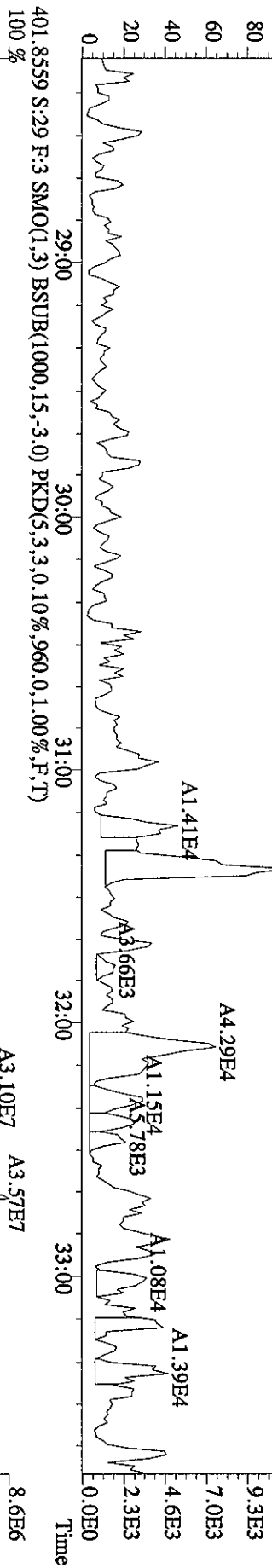
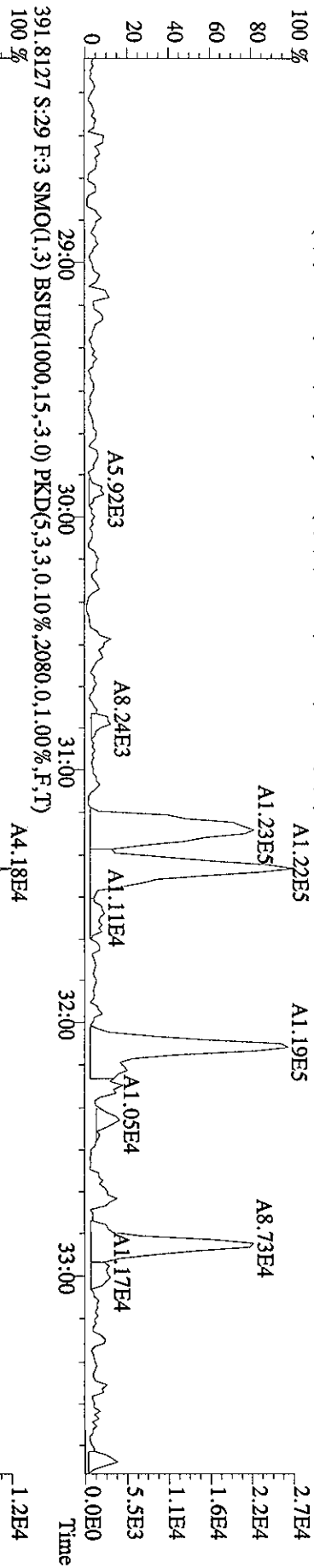
File: 20MR061D5 #1-487 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample# 29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN
 355.8546 S: 29 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4080,0.1,0.00%,F,T)



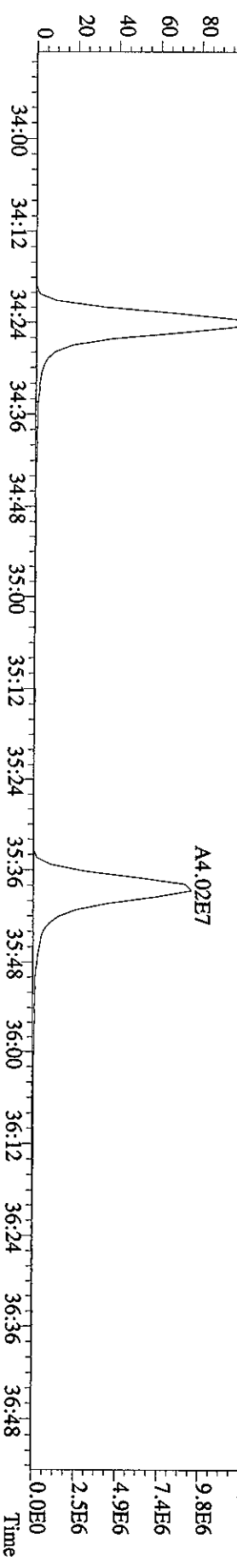
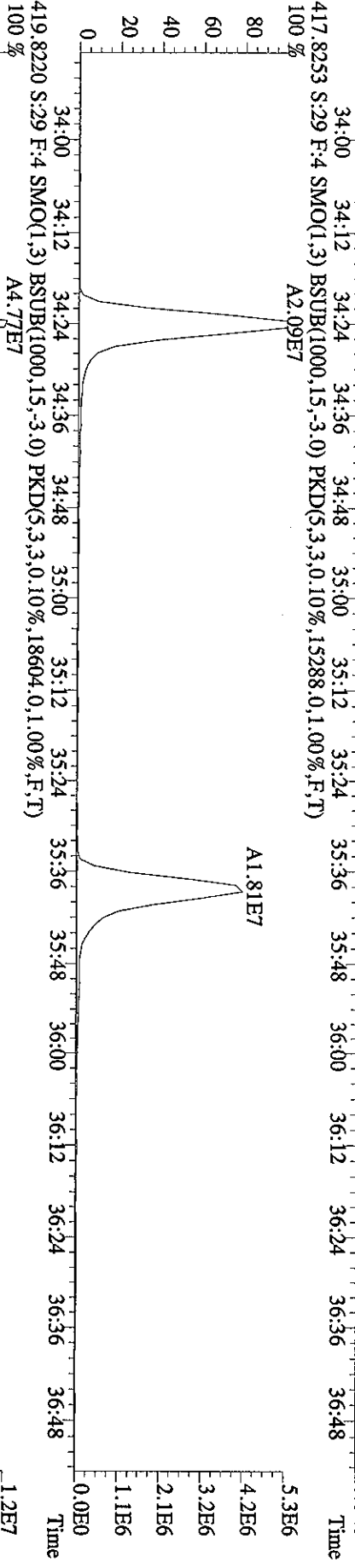
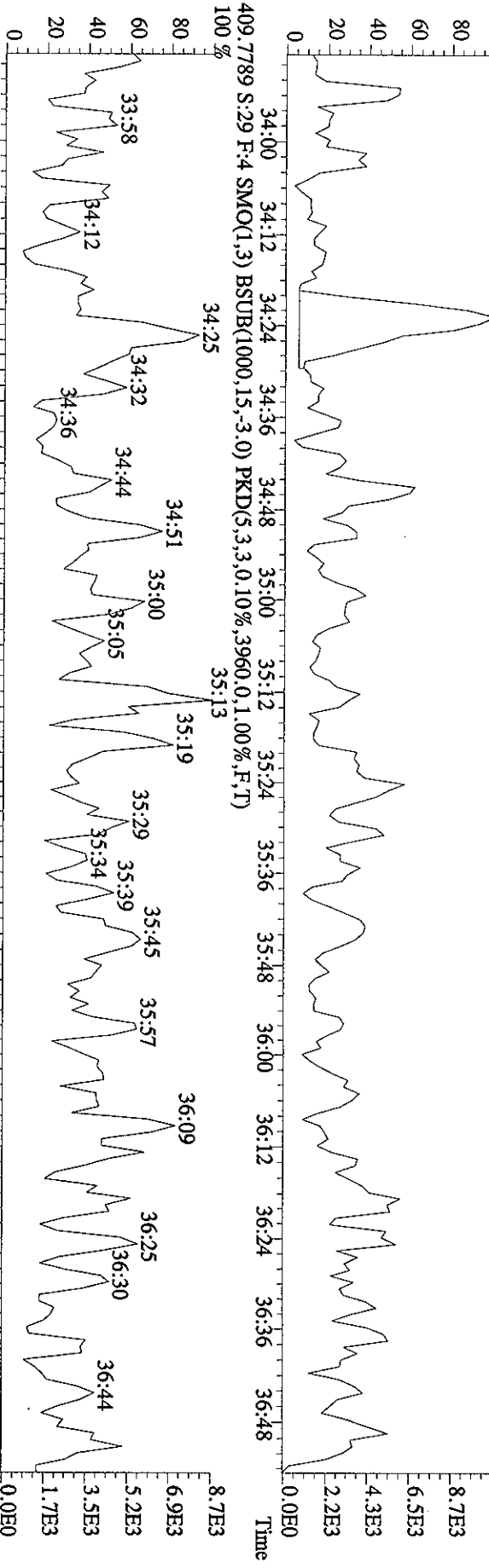
File: 20MR061D5 #1-376 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample# 29 Text: H09V0-1-AA : G6C15000-263B Exp: DIOXIN
 373.8208 S: 29 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3776,0.1,0.00%,F,T)
 A2.19E4



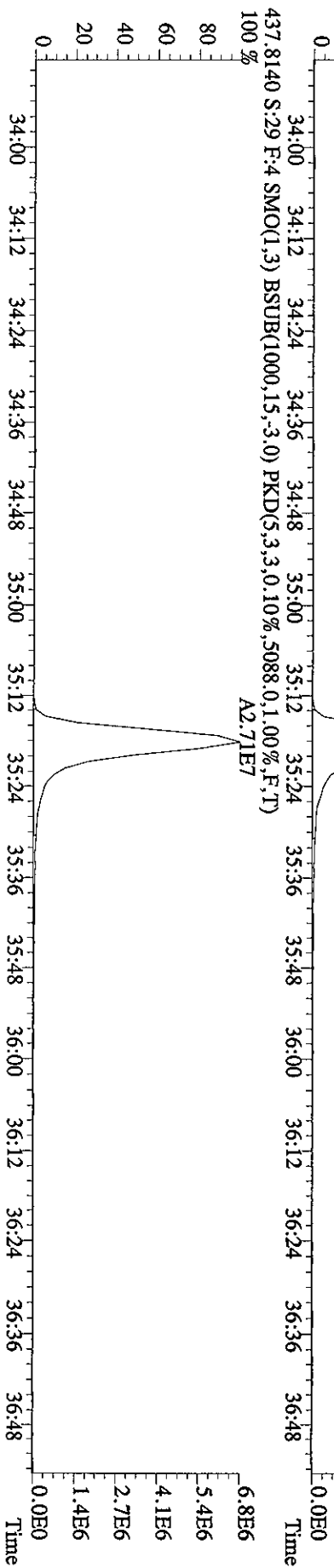
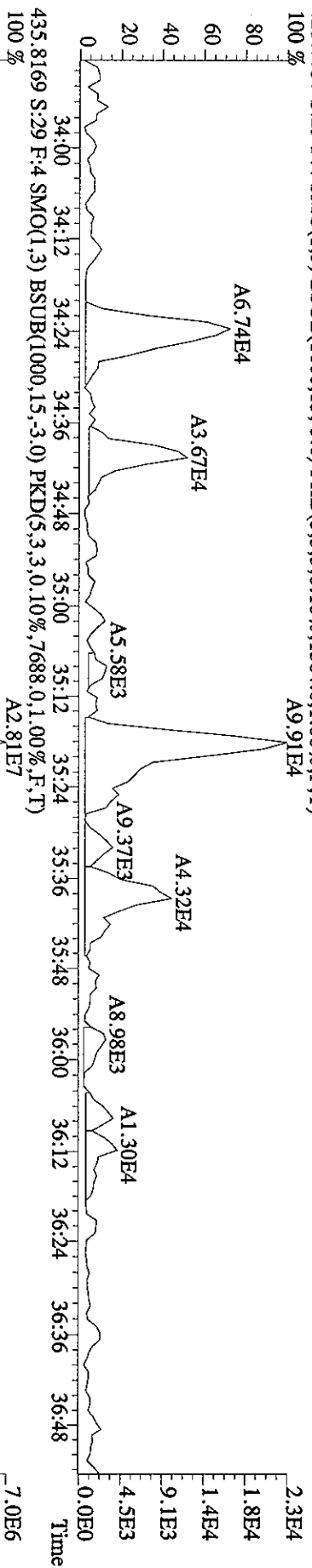
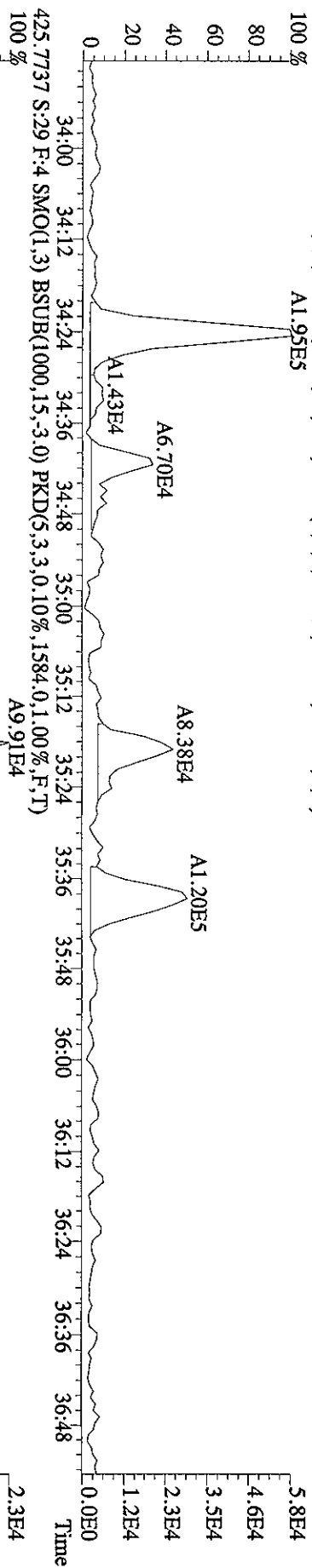
File: 20MR061D5 #1-376 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample# 29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN
 389,8157 S:29 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1604,0,1,00%,F,T)



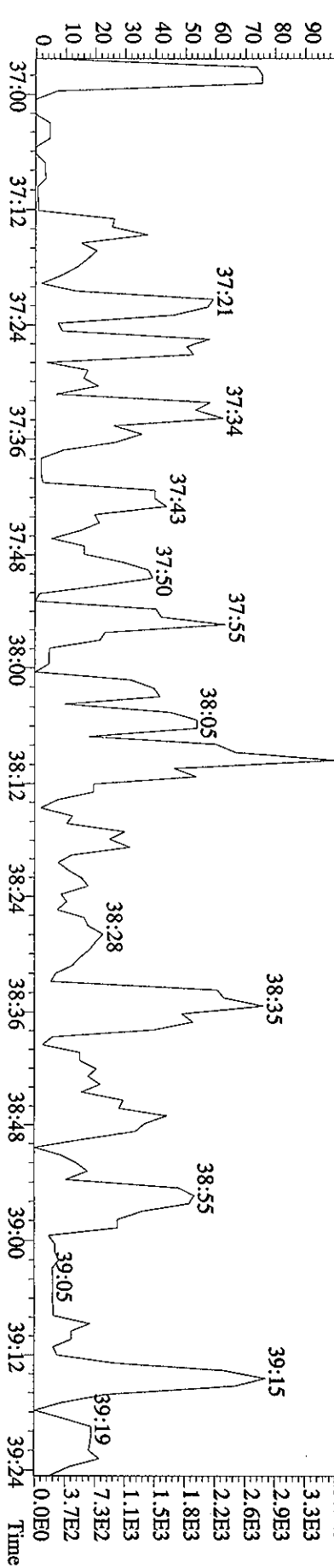
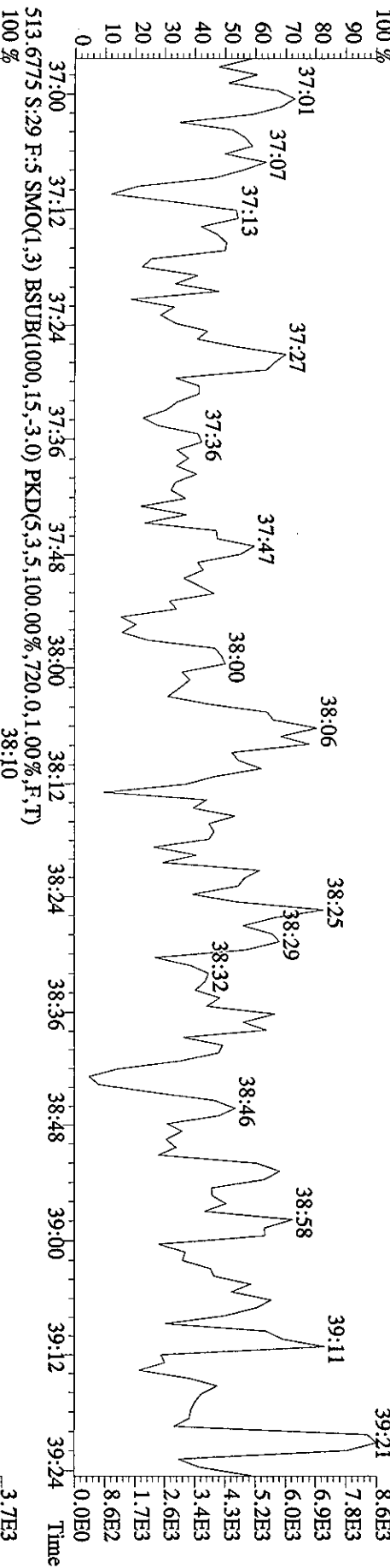
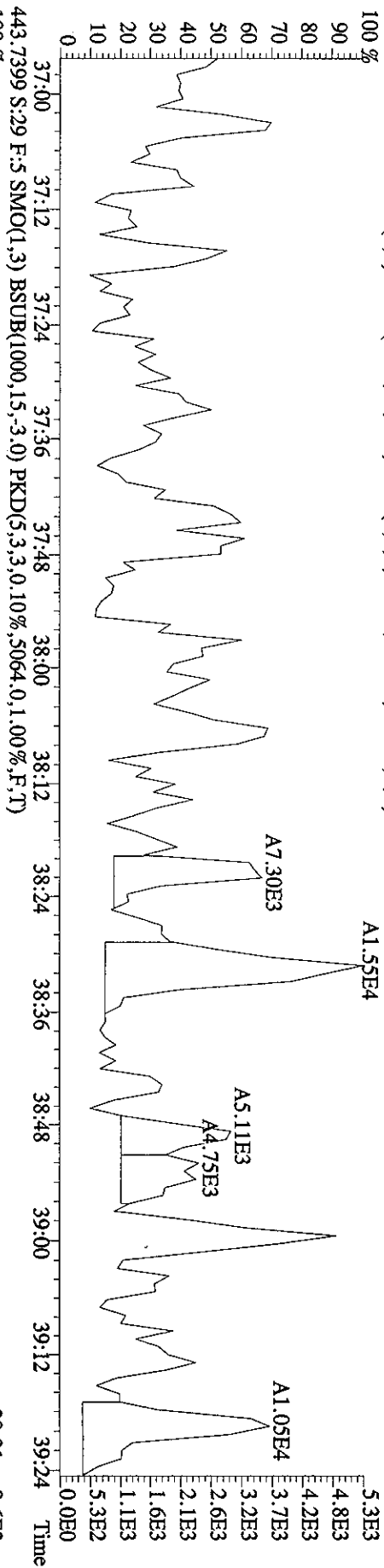
File:20MR061D5 #1-219 Acq:21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample#29 Text:H09V0-1-AA :G6C150000-263B Exp:DIOXIN
 407.7818 S:29 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3700,0,1,00%,F,T)
 100% A5.08E4



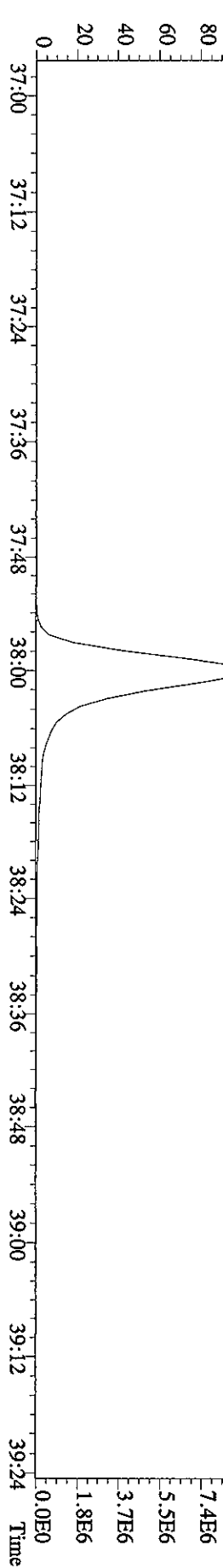
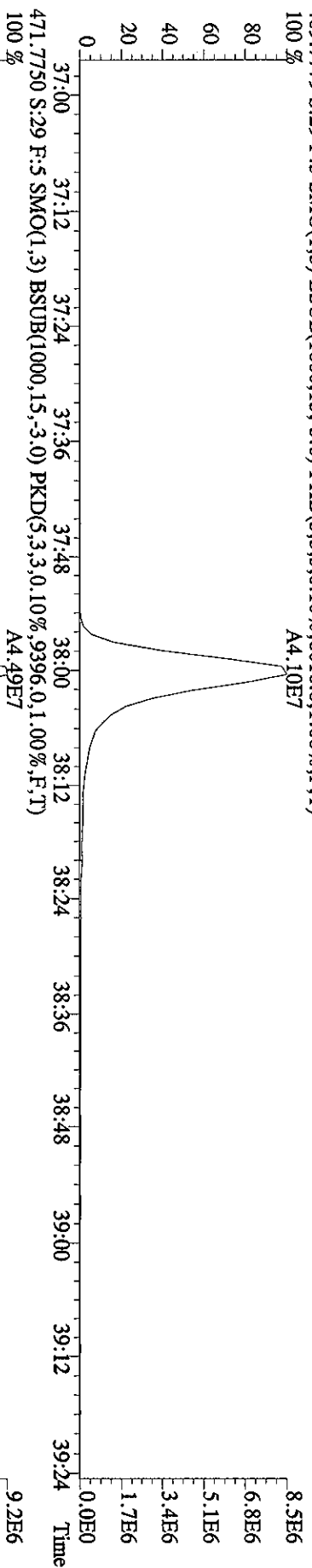
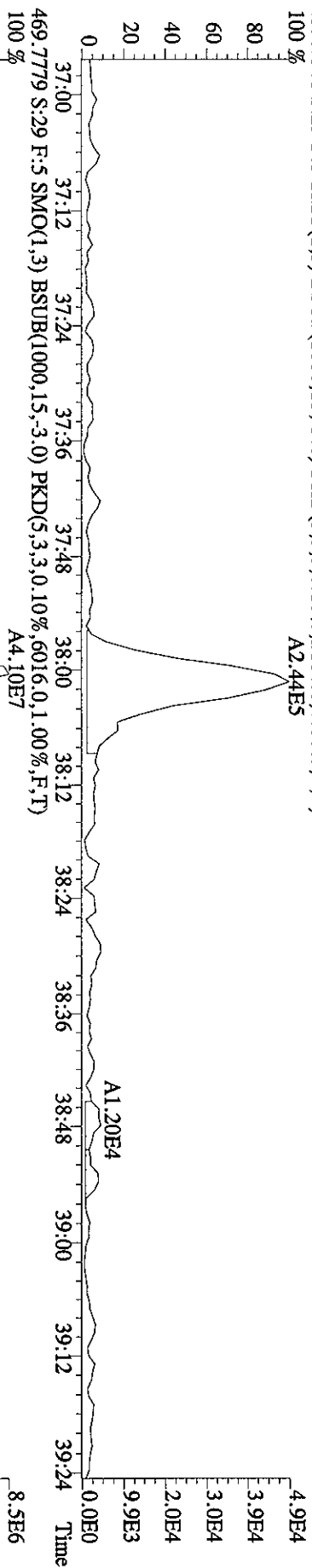
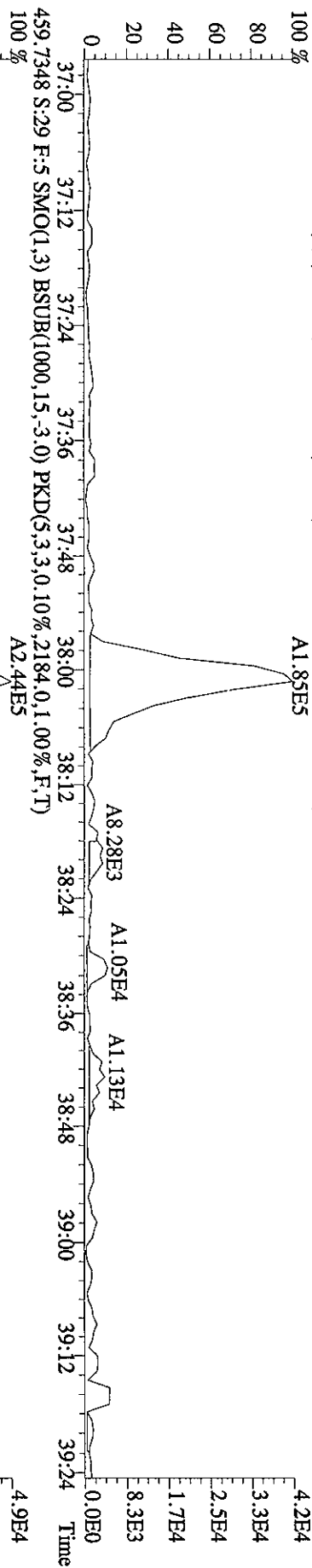
File:20MR061D5 #1-219 Acq:21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample#29 Text:H09V0-1-AA :G6C150000-263B Exp:DIOXIN
 423.7766 S:29 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4132,0,1,00%,F,T)
 100% A1.95E5



File: 20MMR061D5 #1-179 Acq: 21-MAR-2006 05:59:21 GC EI + Voltage SIR 70SE
 Sample# 29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN
 441.7428 S: 29 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1876,0,1,00%,F,T)
 100%



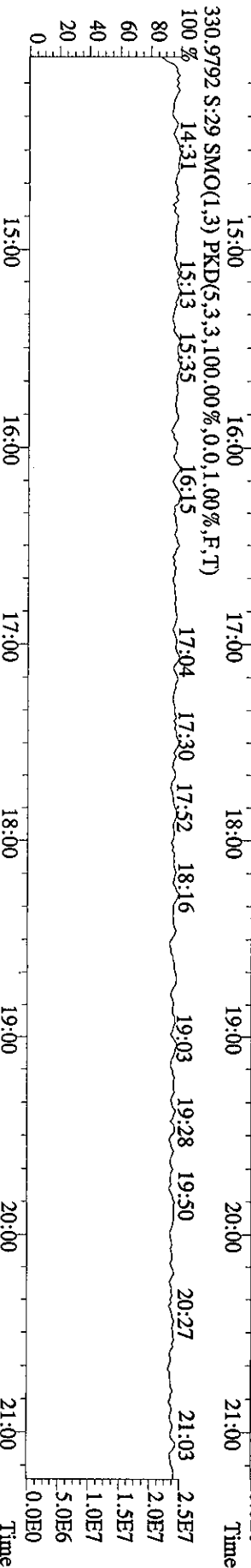
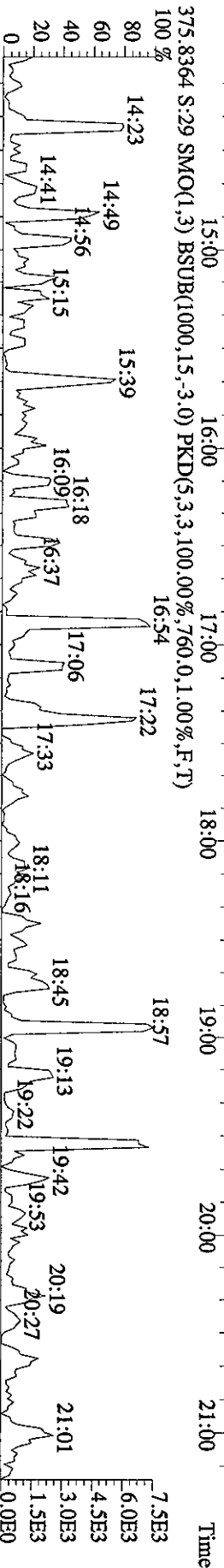
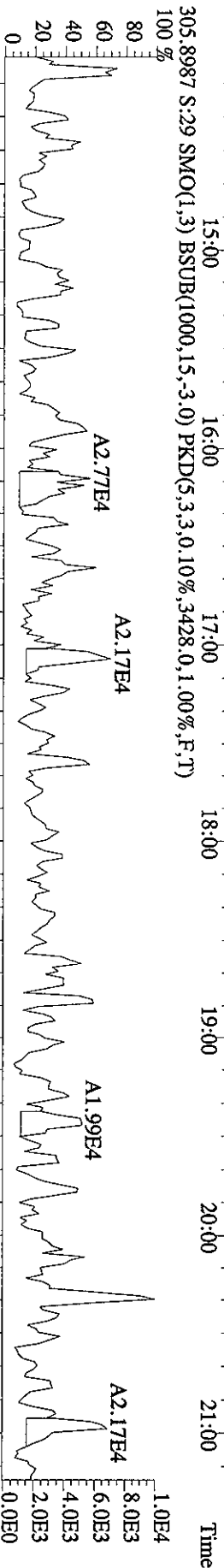
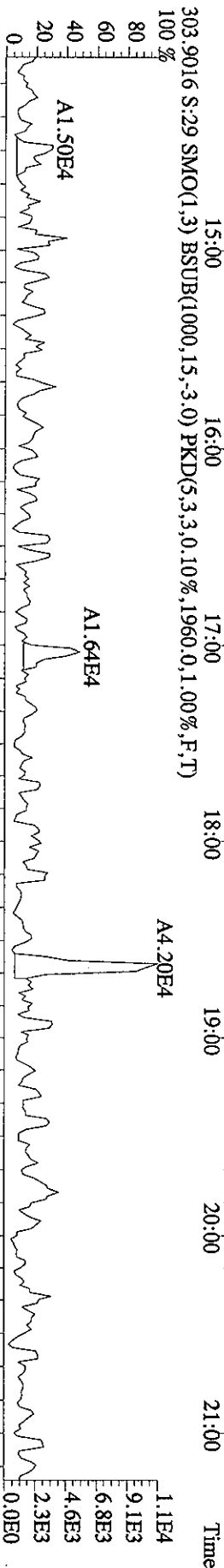
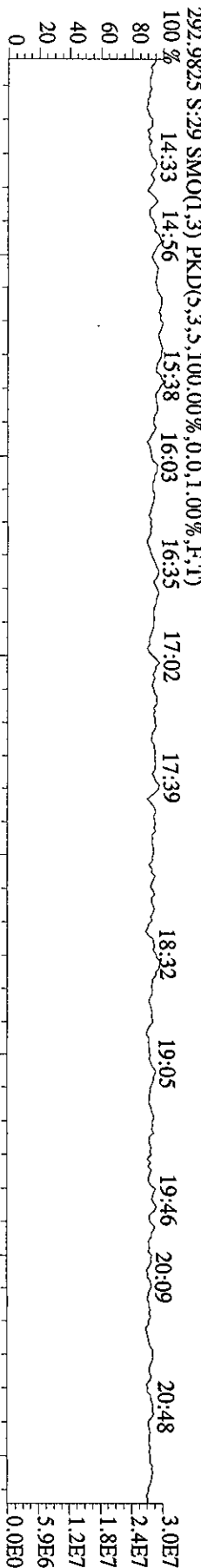
File: 20MR061D5 #1-179 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample# 29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN
 457.7377 S: 29 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1512.0,1.00%,F,T)
 100% A1.85E5



File:20MR061D5 #1-392 Acq:21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE

Sample#29 Text:H09V0-1-AA :G6C150000-263B

Exp:DIOXIN

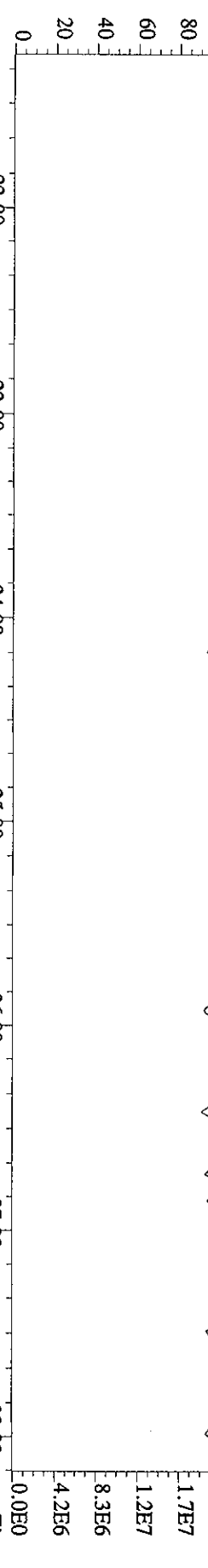


File:20MR061D5 #1-487 Acq:21-MAR-2006 05:59:21 GC EI + Voltage SIR 70SE

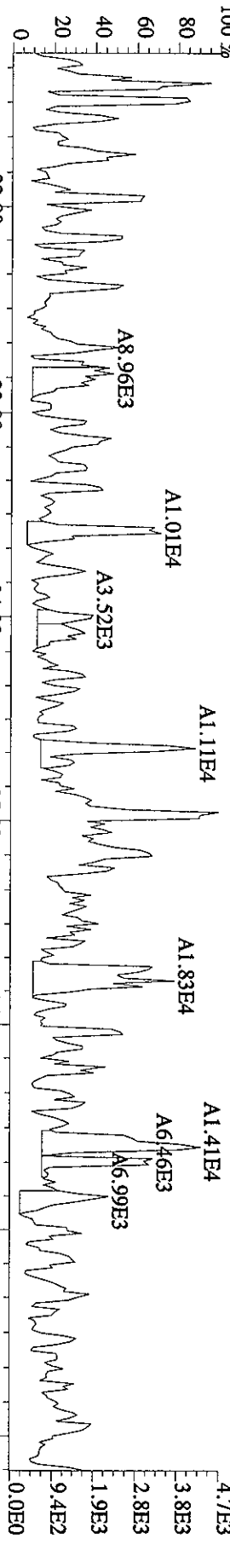
Sample#29 Text:H09V0-1-AA :G6C150000-263B Exp:DIOXIN

342.9792 S:29 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

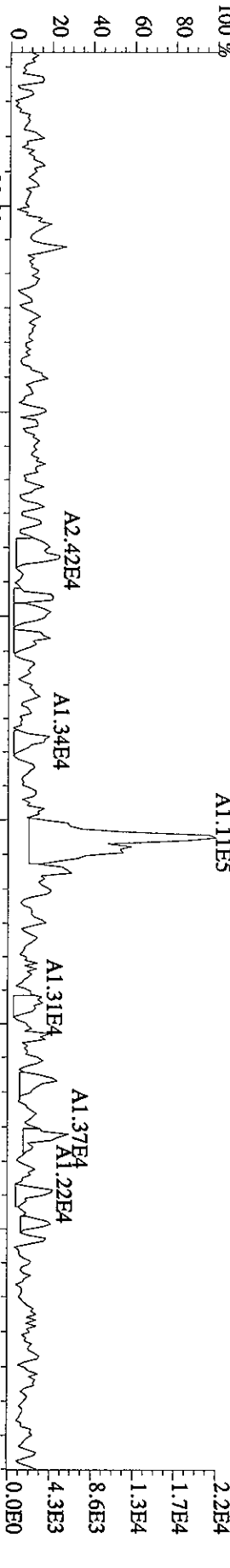
100% 21:35 22:05 22:33 22:54 23:24 24:04 24:28 24:52 25:21 25:44 26:10 26:53 27:16 27:41



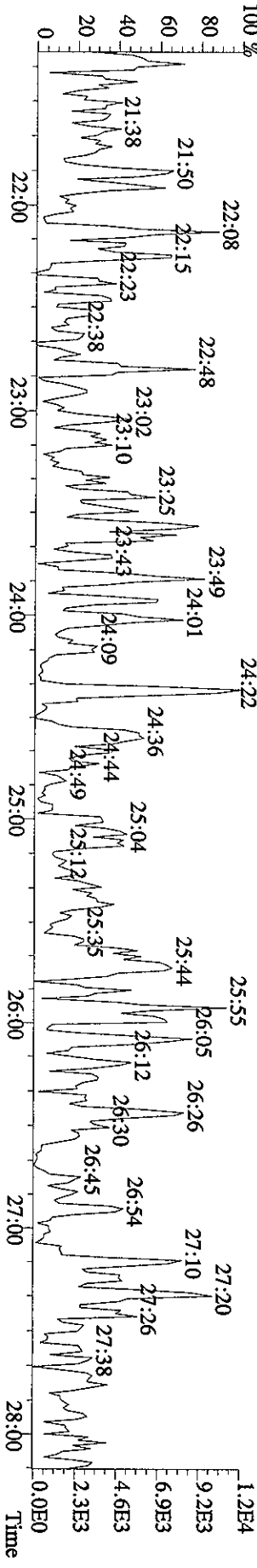
339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1216,0,1,00%,F,T)



341.8567 S:29 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2524,0,1,00%,F,T)

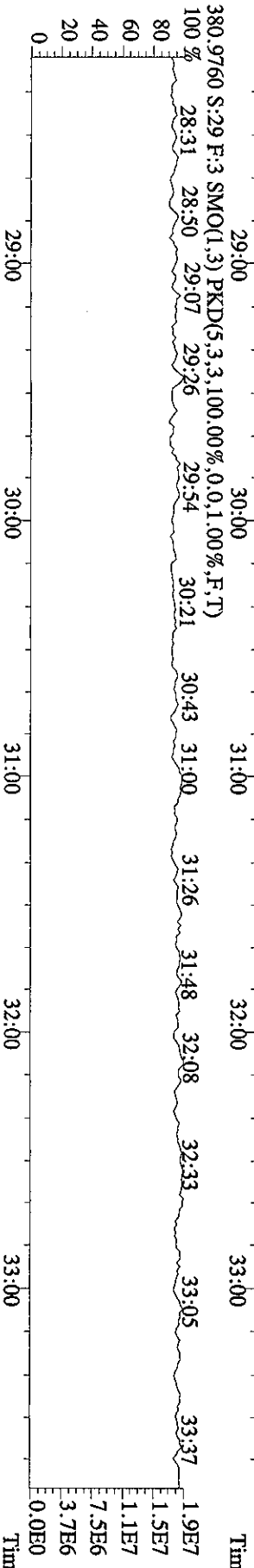
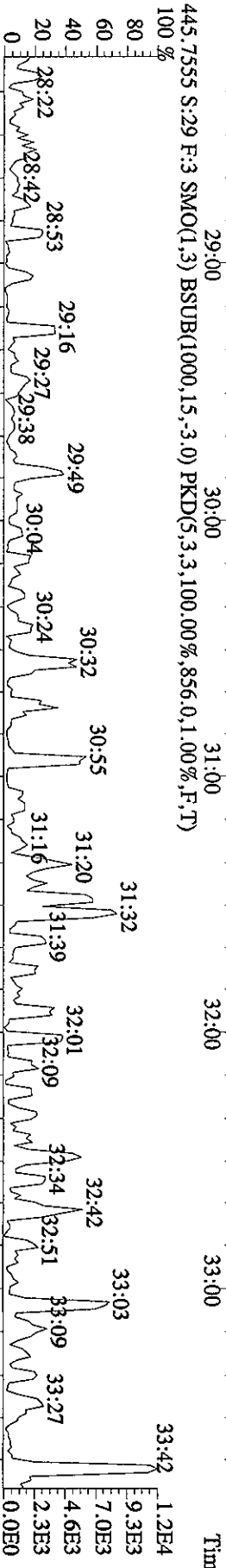
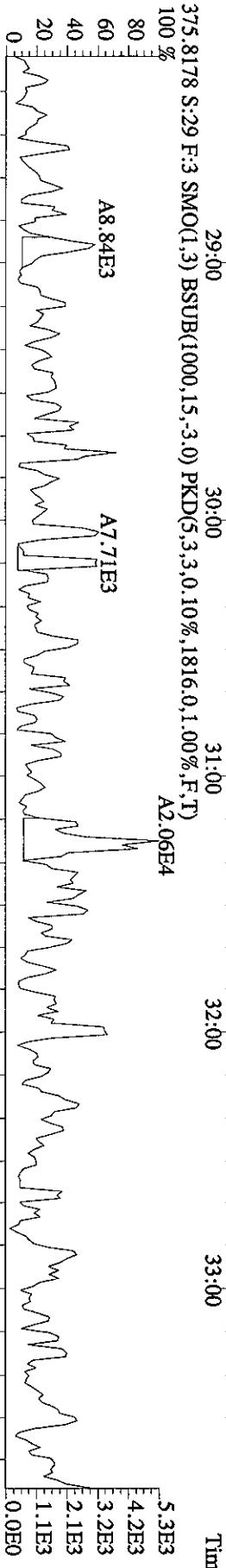
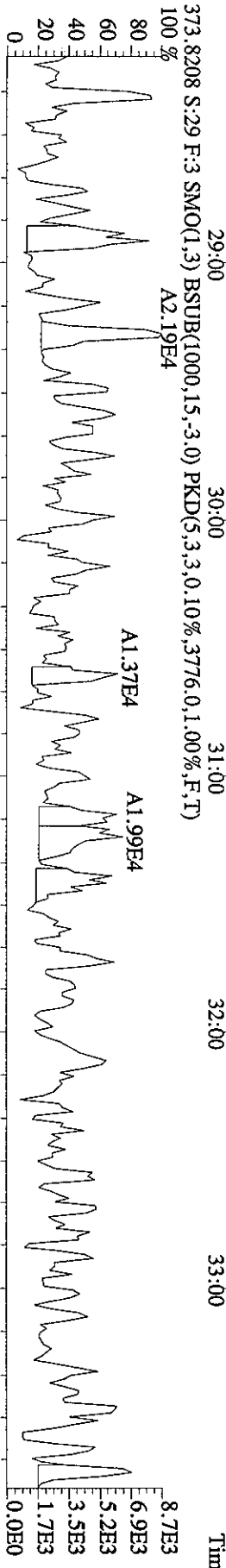
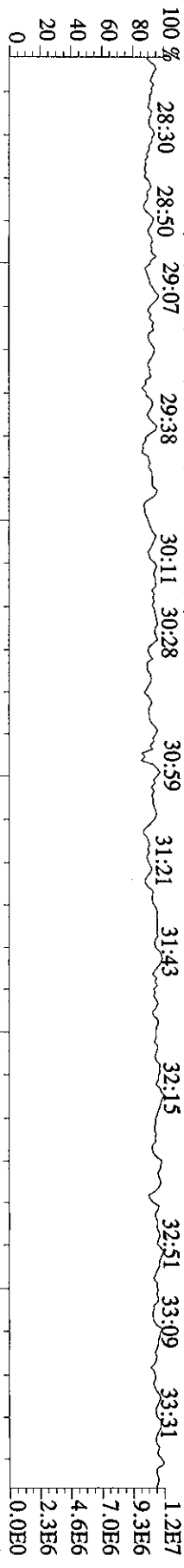


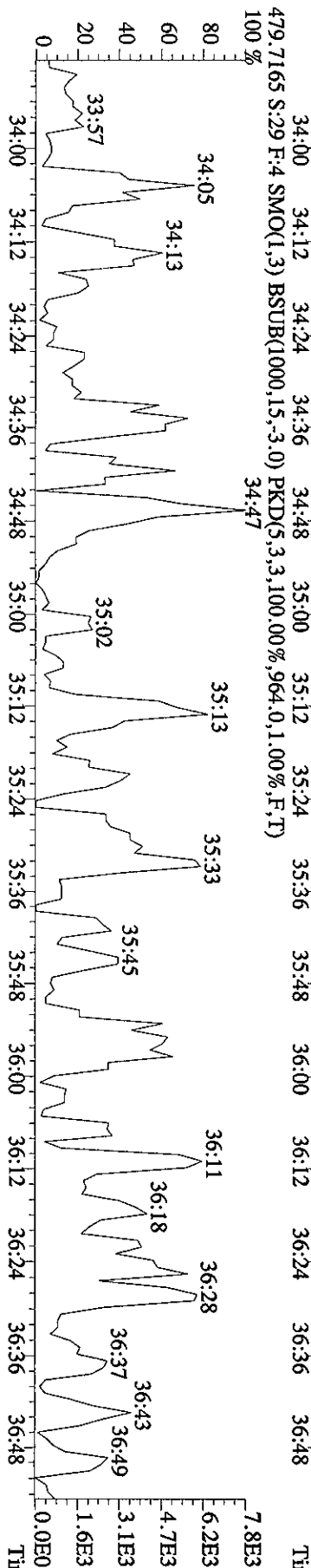
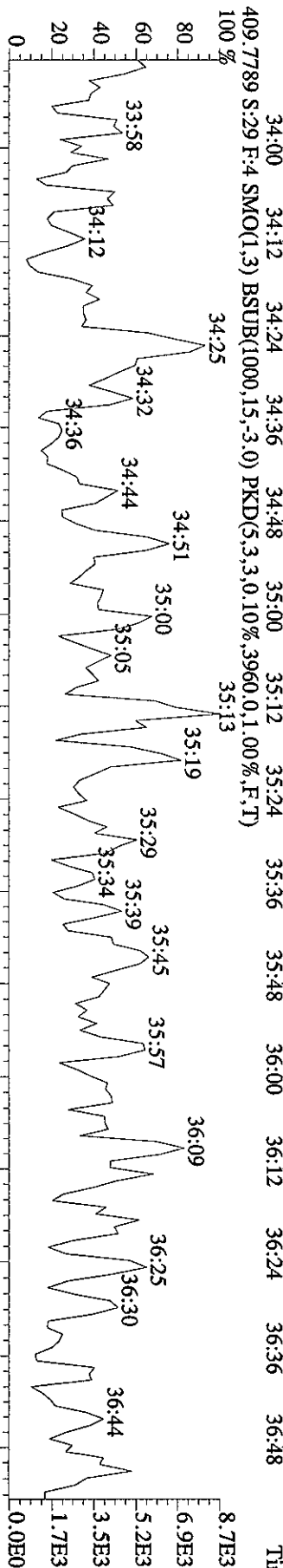
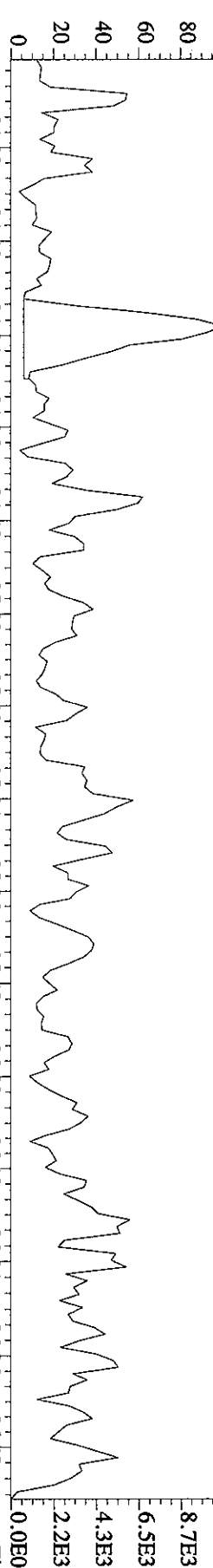
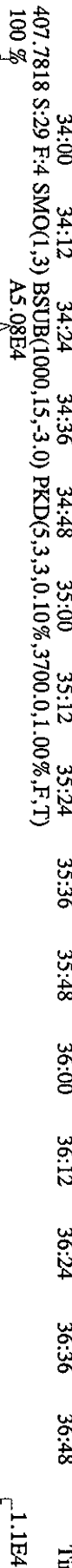
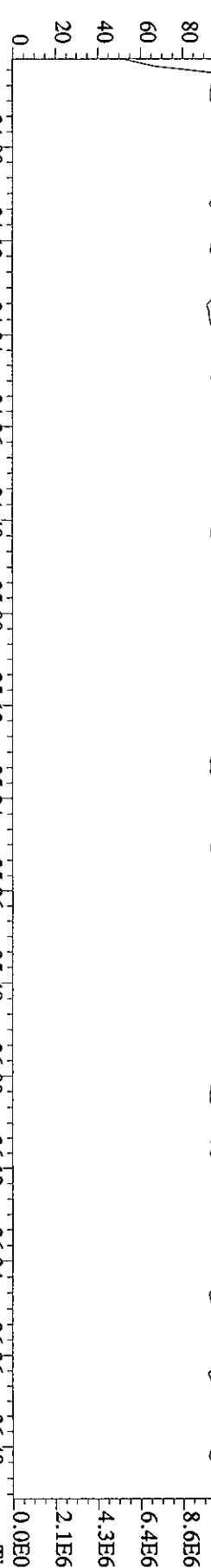
409.7974 S:29 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,4148,0,1,00%,F,T)



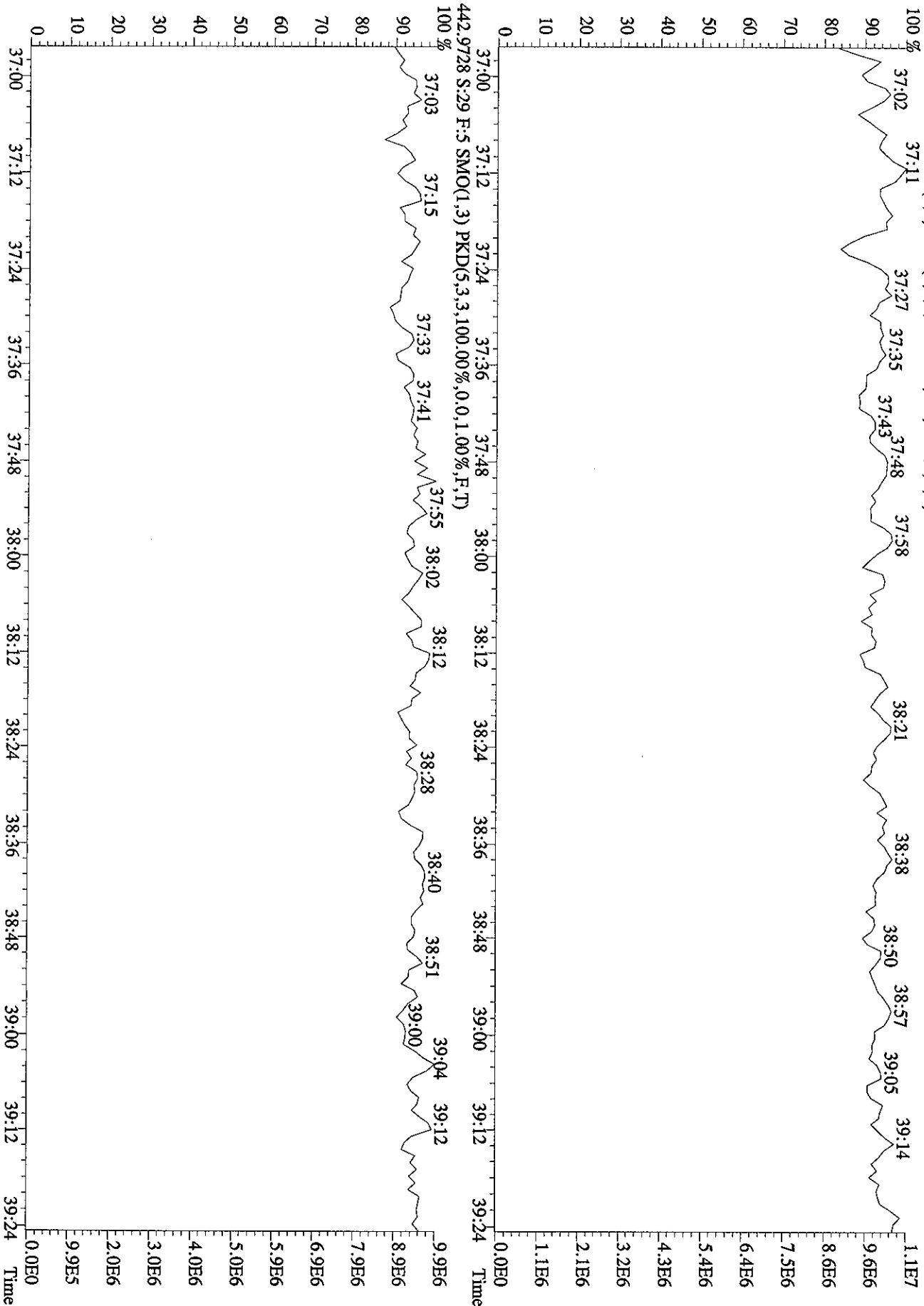
File:20MR061D5 #1-376 Acq:21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE

Sample#29 Text:H09V0-1-AA :G6C150000-263B Exp:DIOXIN





File: 20MR061D5 #1-179 Acq: 21-MAR-2006 05:59:21 GC EI+ Voltage SIR 70SE
 Sample#29 Text: H09V0-1-AA : G6C150000-263B Exp: DIOXIN
 454.9728 S:29 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

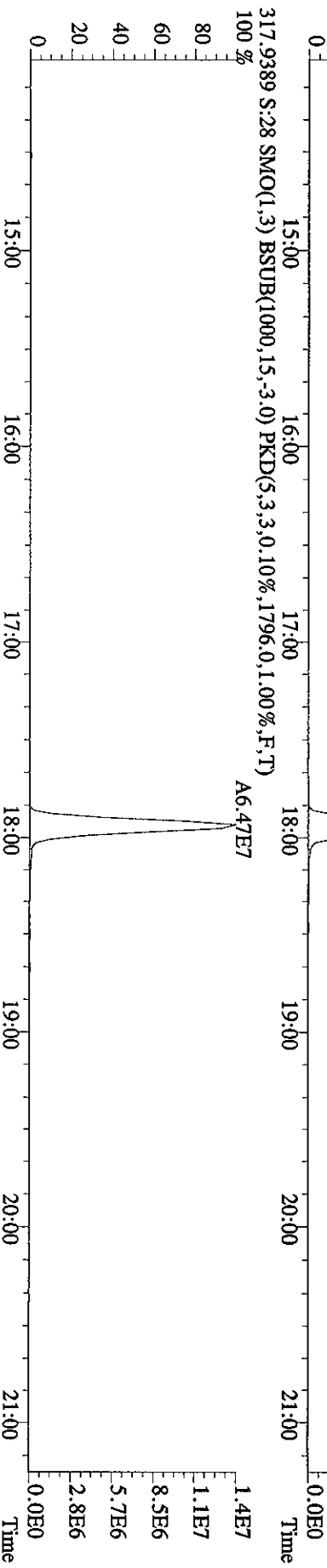
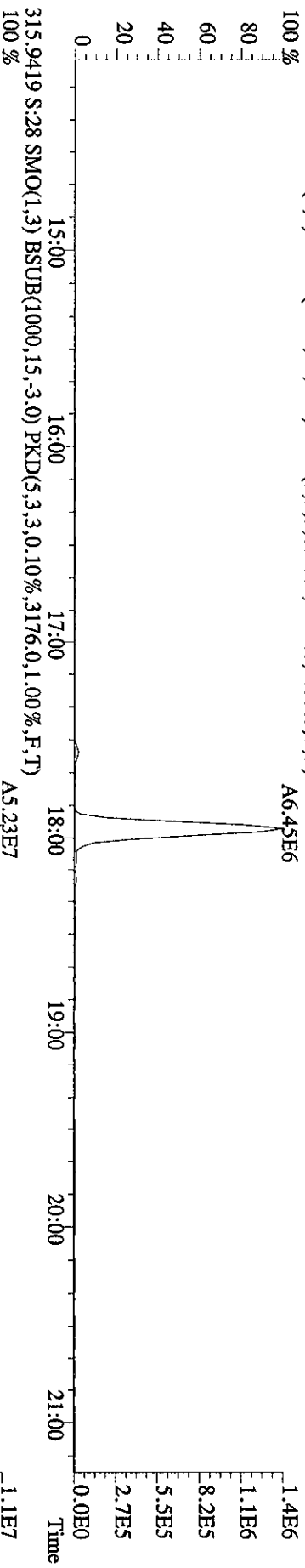
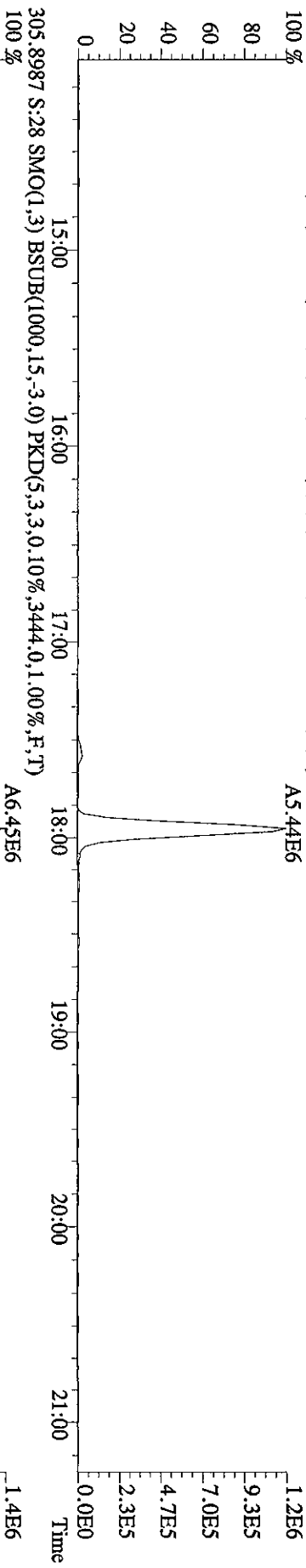


Run text: H09V0-1-AC Sample text: H09V0-1-AC :G6C150000-263C
 Run #28 Filename: 20MR061D5 S: 28 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 05:17:42 Processed: 21-MAR-06 08:02:37
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00007g

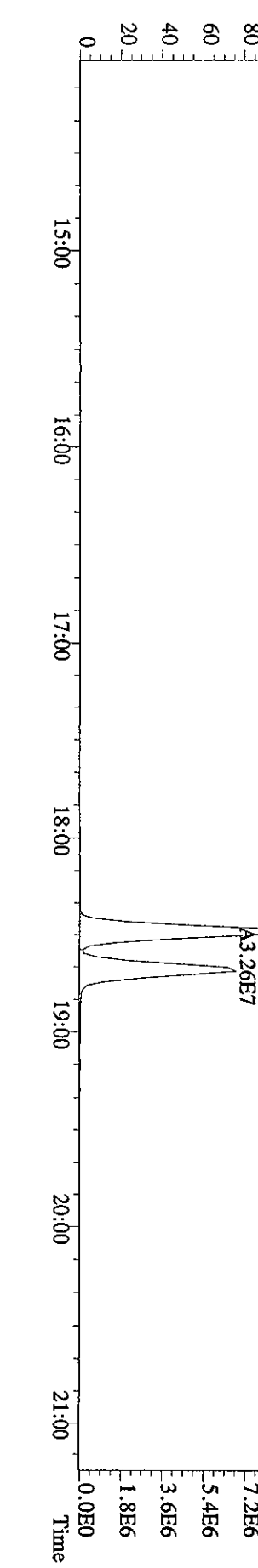
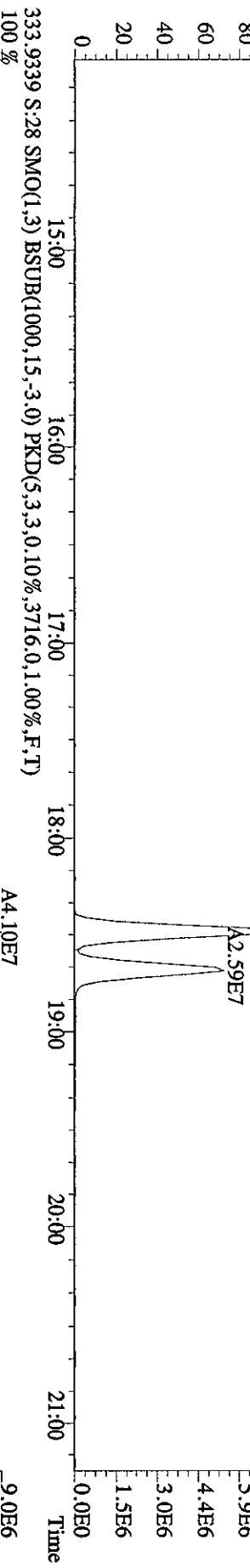
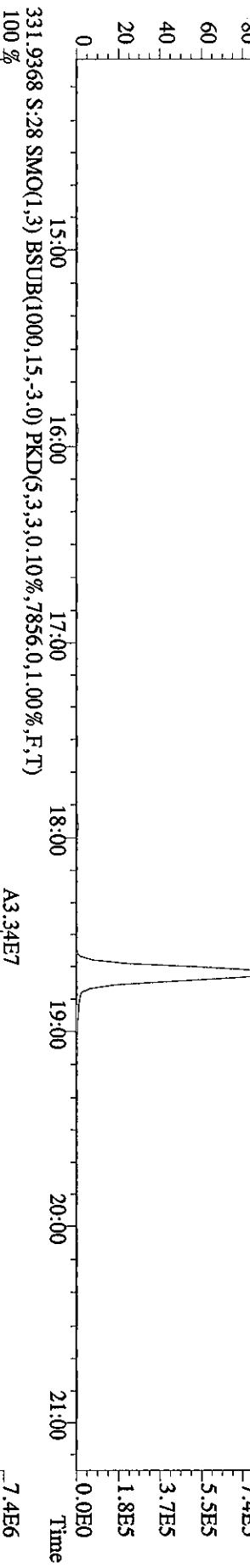
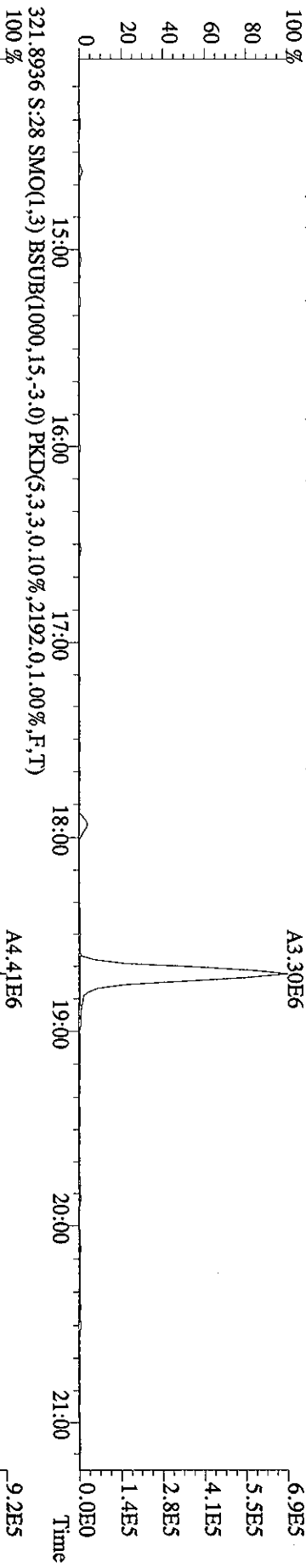
Spiking conc = 20/100/200pg/g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	74320000	0.81 y	18:29	-	6.31	-	-	n
13C-2,3,7,8-TCDF	117009500	0.81 y	17:56	1.70	185.19	0.11	92.6	n
2,3,7,8-TCDF	11893610	0.84 y	17:57	1.10	18.42	0.11	-	n
Total TCDF	12163369	1.15 n	17:35	1.10	18.84	0.11	-	n
13C-2,3,7,8-TCDD	58494900	0.79 y	18:41	0.87	181.20	0.49	90.6	n
2,3,7,8-TCDD	7710010	0.75 y	18:42	1.42	18.58	0.16	-	n
Total TCDD	7765046	4.18 n	17:56	1.42	18.71	0.16	-	n
37Cl-2,3,7,8-TCDD	58824400	1.00 y	18:42	2.41	65.74	0.06	82.2	n
13C-1,2,3,7,8-PeCDF	88692700	1.58 y	23:14	1.42	168.05	0.13	84.0	n
1,2,3,7,8-PeCDF	44264900	1.60 y	23:16	1.04	95.65	0.26	-	n
2,3,4,7,8-PeCDF	45270600	1.55 y	24:40	1.07	95.01	0.25	-	n
Total F2 PeCDF	90763701	2.33 n	21:49	1.06	193.27	0.26	-	n
Total F1 PeCDF	111223	0.09 n	15:54	1.06	0.24	0.18	-	n
13C-1,2,3,7,8-PeCDD	47477600	1.62 y	25:23	0.83	153.11	0.10	76.6	n
1,2,3,7,8-PeCDD	25063170	1.67 y	25:25	1.05	100.18	0.54	-	n
Total PeCDD	25626188	3.09 n	23:14	1.05	102.43	0.54	-	n
13C-1,2,3,7,8,9-HxCDD	45628600	1.33 y	32:42	-	4.22	-	-	n
13C-1,2,3,4,7,8-HxCDF	58298100	0.52 y	31:14	1.33	191.42	0.35	95.7	n
1,2,3,4,7,8-HxCDF	36077000	1.32 y	31:15	1.14	108.87	0.24	-	n
1,2,3,6,7,8-HxCDF	39826300	1.26 y	31:24	1.23	110.73	0.22	-	n
2,3,4,6,7,8-HxCDF	34733600	1.27 y	32:07	1.13	105.44	0.24	-	n
1,2,3,7,8,9-HxCDF	31864000	1.30 y	32:53	1.10	99.80	0.25	-	n
Total HxCDF	142768741	0.81 n	29:31	1.15	425.64	0.24	-	n
13C-1,2,3,6,7,8-HxCDD	40927600	1.27 y	32:22	0.97	184.41	0.11	92.2	n
1,2,3,4,7,8-HxCDD	21308110	1.31 y	32:18	0.98	106.78	0.25	-	n
1,2,3,6,7,8-HxCDD	22935030	1.35 y	32:23	1.07	104.87	0.23	-	n
1,2,3,7,8,9-HxCDD	24226600	1.33 y	32:43	1.10	107.84	0.23	-	n
Total HxCDD	68640554	3.22 n	31:24	1.05	320.30	0.24	-	n
13C-1,2,3,4,6,7,8-HpCDF	44668000	0.44 y	34:24	1.06	184.54	0.73	92.3	n
1,2,3,4,6,7,8-HpCDF	30051400	1.03 y	34:24	1.37	98.36	0.36	-	n
1,2,3,4,7,8,9-HpCDF	25426200	1.07 y	35:39	1.23	92.46	0.40	-	n
Total HpCDF	55477600	1.03 y	34:24	1.30	190.82	0.38	-	n
13C-1,2,3,4,6,7,8-HpCDD	36311100	1.03 y	35:18	0.89	177.84	0.75	88.9	n
1,2,3,4,6,7,8-HpCDD	18417160	1.07 y	35:19	1.06	95.75	0.44	-	n
Total HpCDD	18793050	2.56 n	34:24	1.06	97.70	0.44	-	n
13C-OCDD	52833400	0.91 y	38:00	0.76	304.26	0.94	76.1	n
OCDF	38455700	0.91 y	38:07	1.46	200.06	0.57	-	n
OCDD	28783400	0.92 y	38:00	1.10	198.17	0.74	-	n

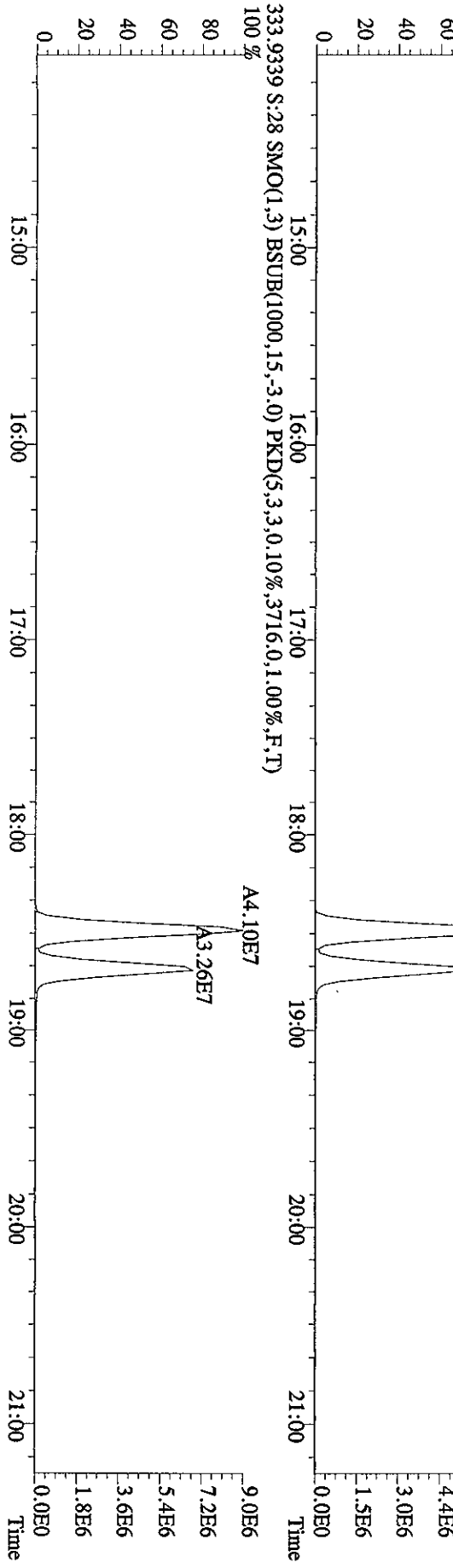
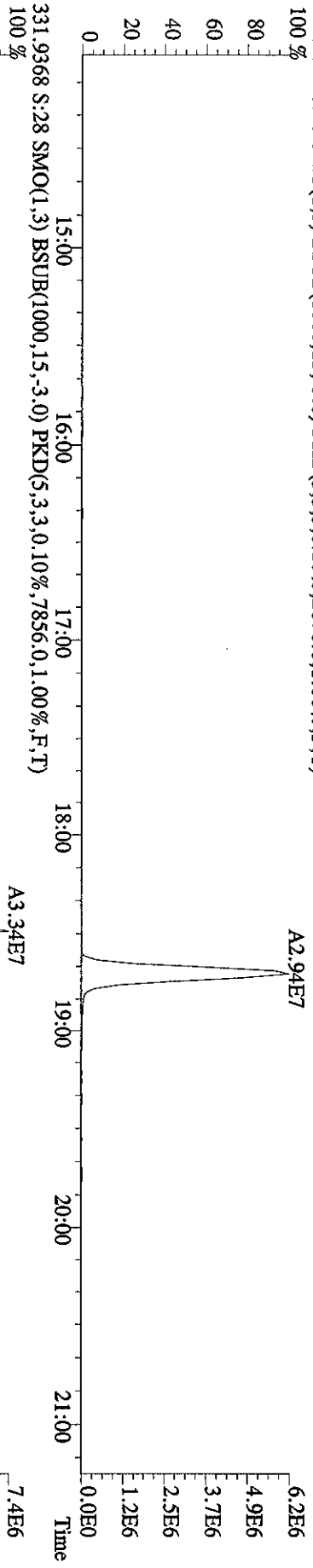
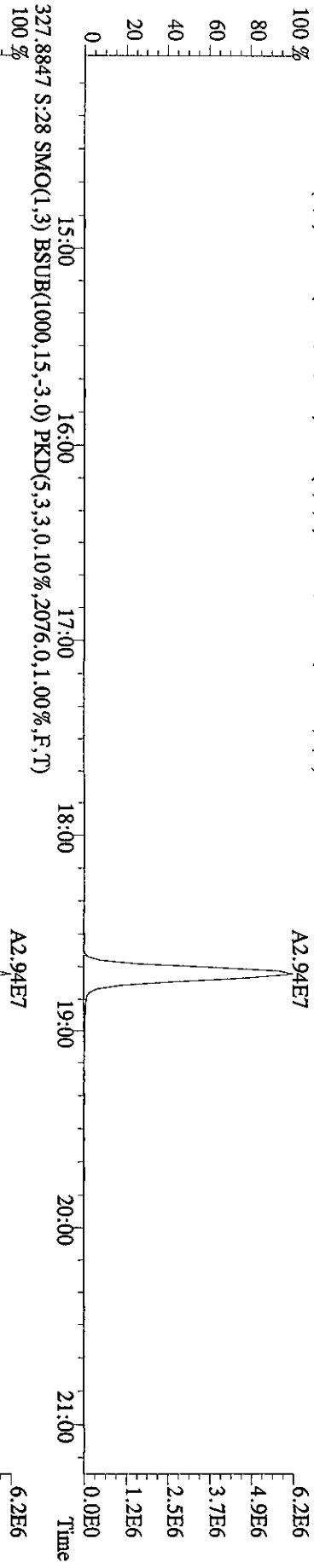
File:20MR061D5 #1-393 Acq:21-MAR-2006 05:17:42 GC EI+ Voltage SHR 70SE
Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
303.9016 S:28 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1648.0,1.00%,F,T)
100%



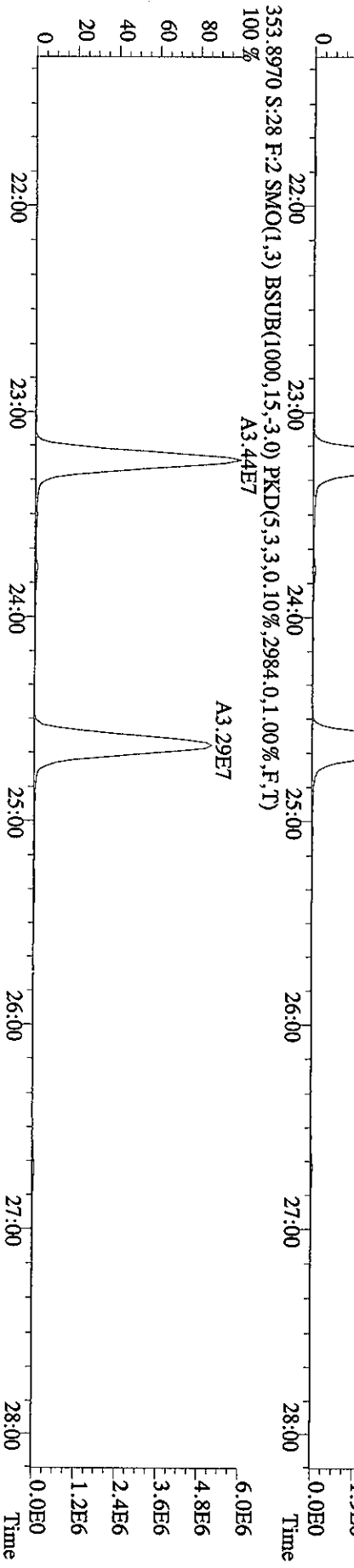
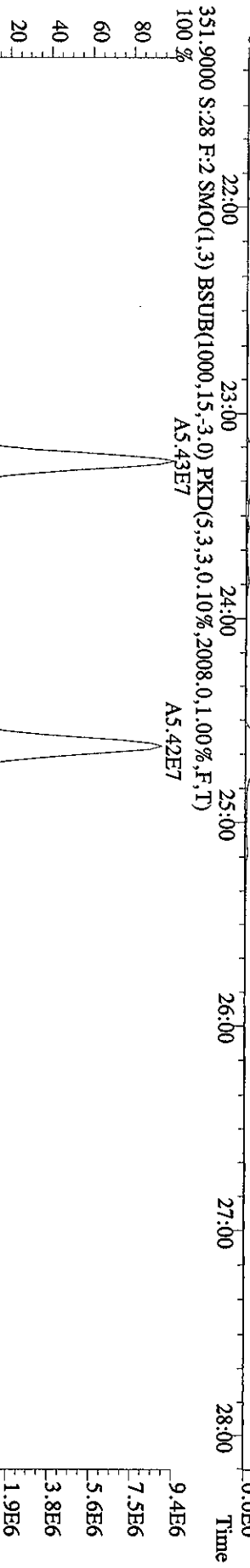
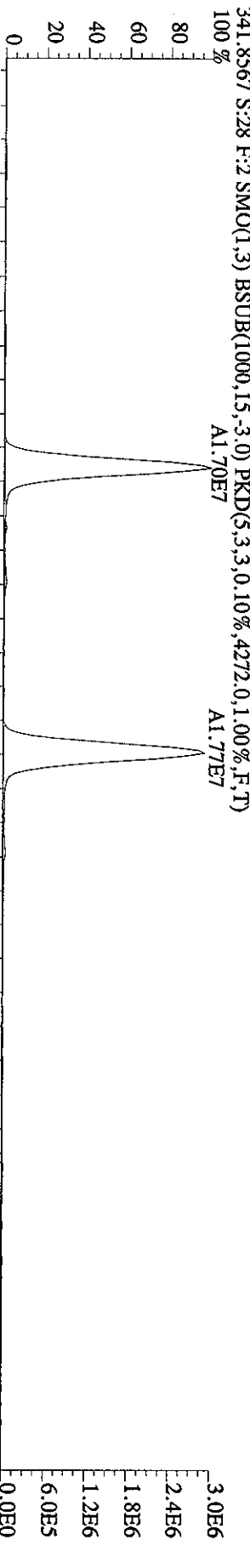
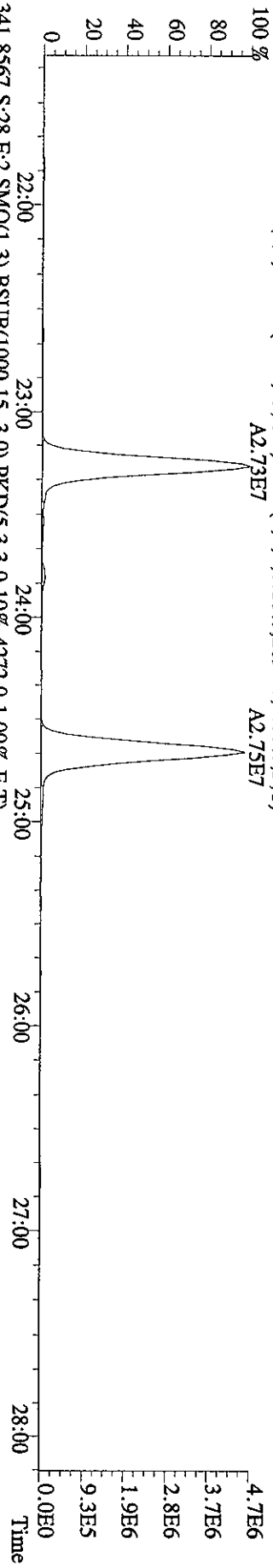
File:20MR061D5 #1-393 Acq:21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE
Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
319.8965 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2440.0,1.00%,F,T)
100%



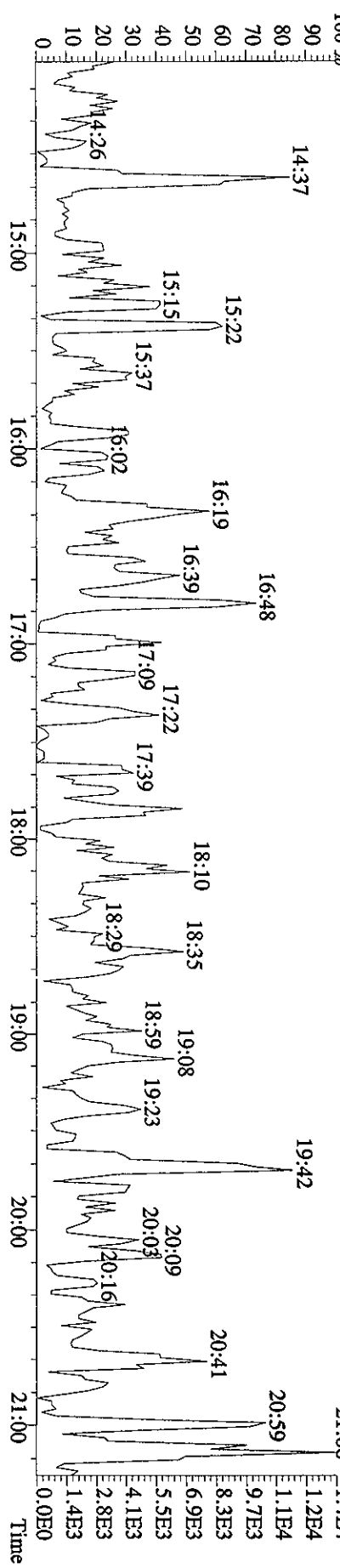
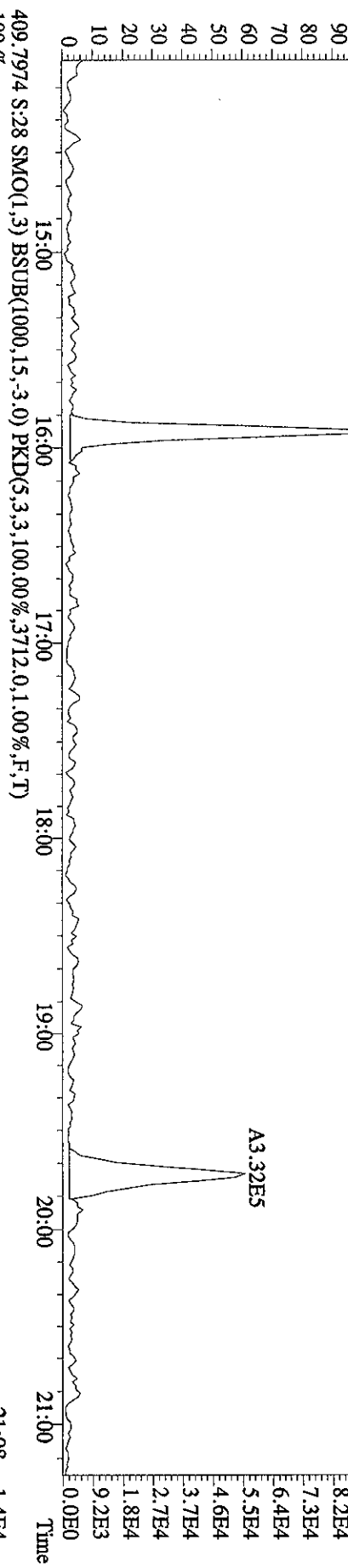
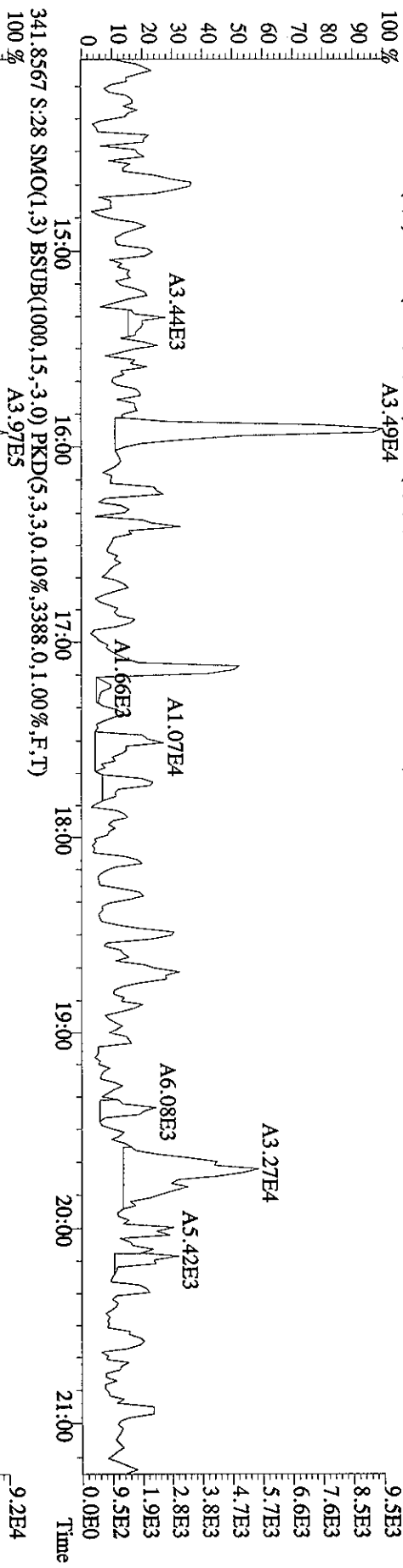
File:20MR061D5 #1-393 Acq:21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE
 Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
 327.8847 S:28 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2076.0,1.00%,F,T)
 100%



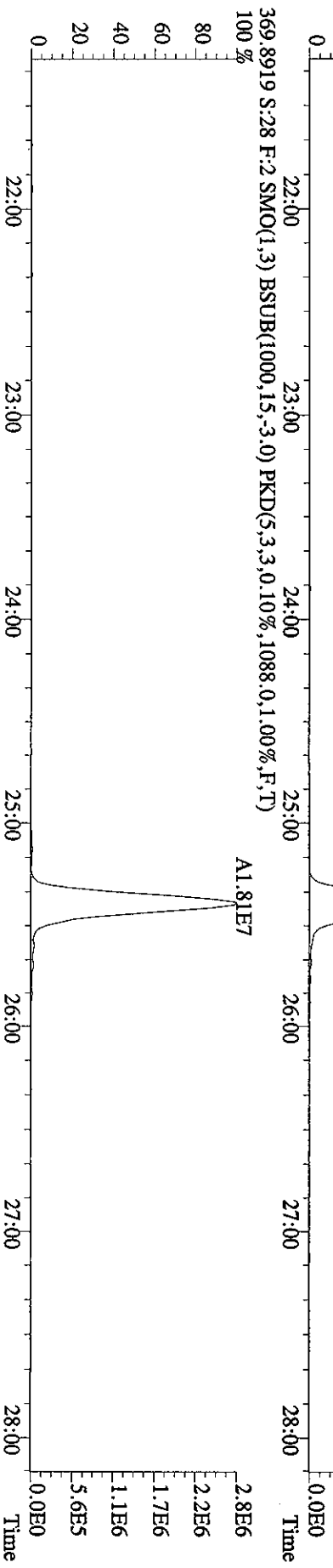
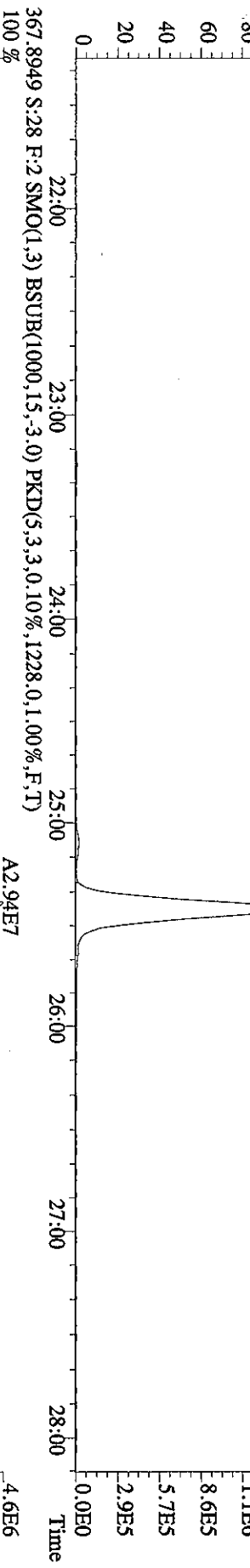
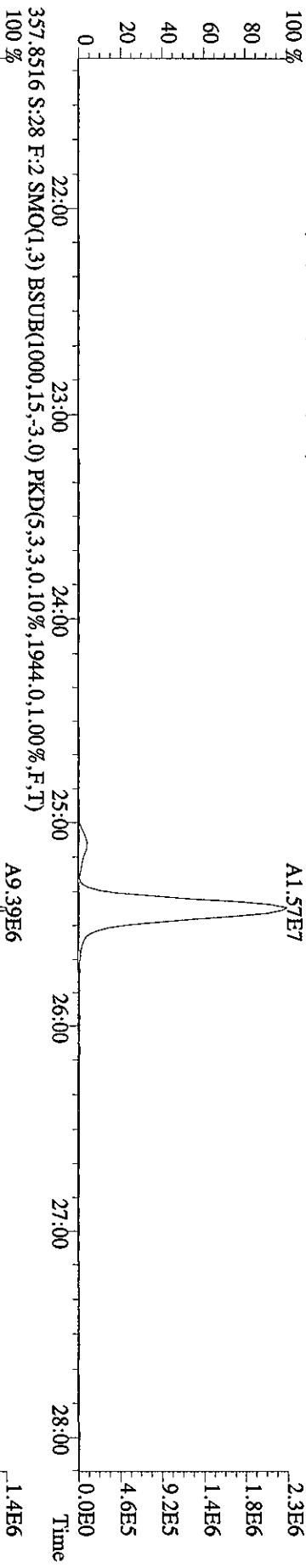
File:20MR061D5 #1-486 Acq:21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE
 Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
 339.8597 S:28 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2692,0,1,00%,F,T)
 100%



File: 20MR061D5 #1-393 Acq: 21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE
 Sample# 28 Text: H09V0-1-AC : G6C150000-263C Exp: DIOXIN
 339.8597 S: 28 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1460,0,1,100%,F,T)



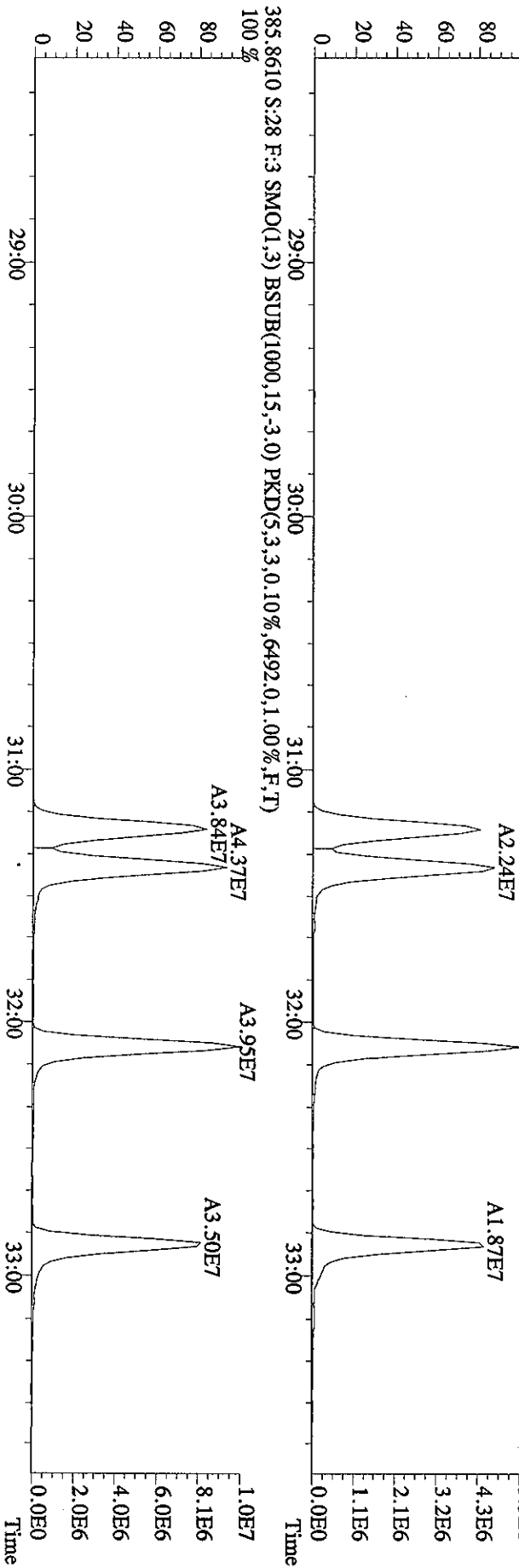
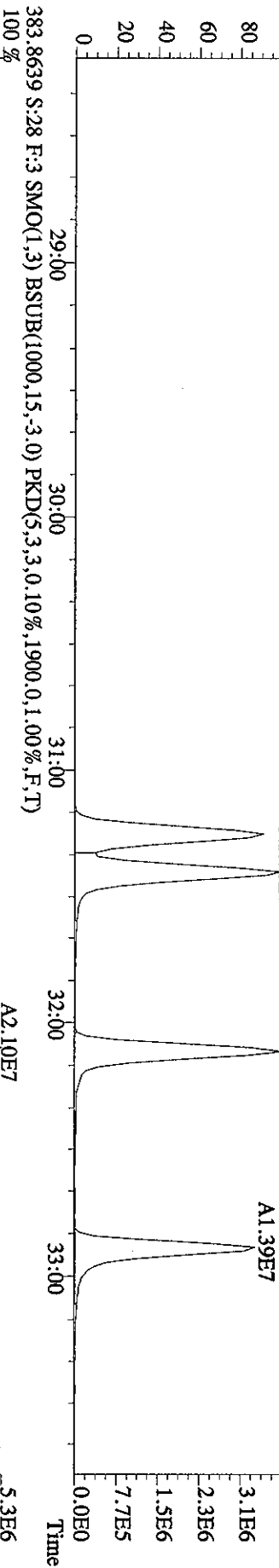
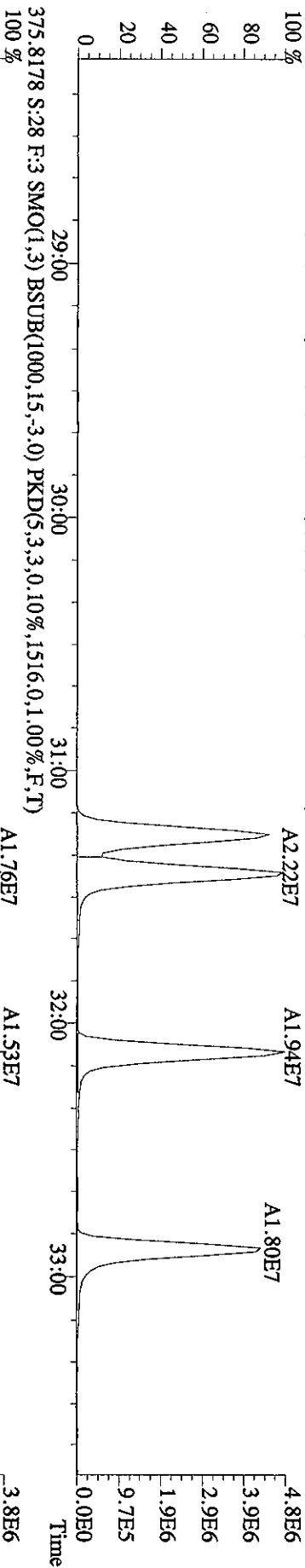
File:20MR061D5 #1-486 Acq:21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE
Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
355.8546 S:28 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4996,0,1,00%,F,T)
100%



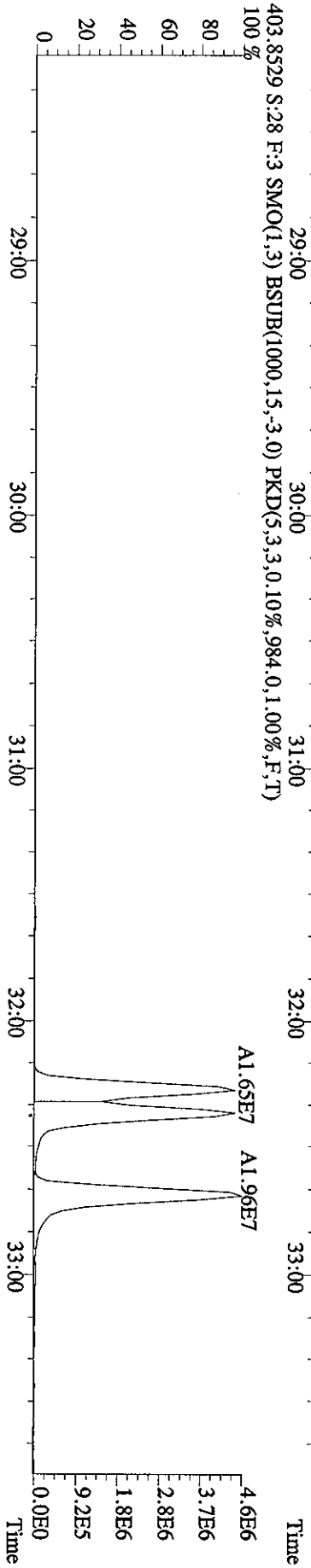
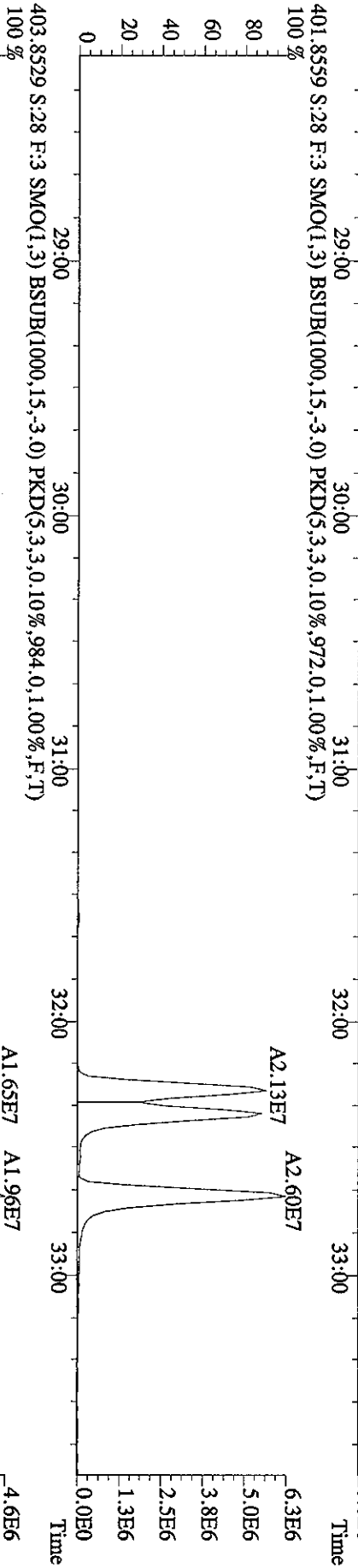
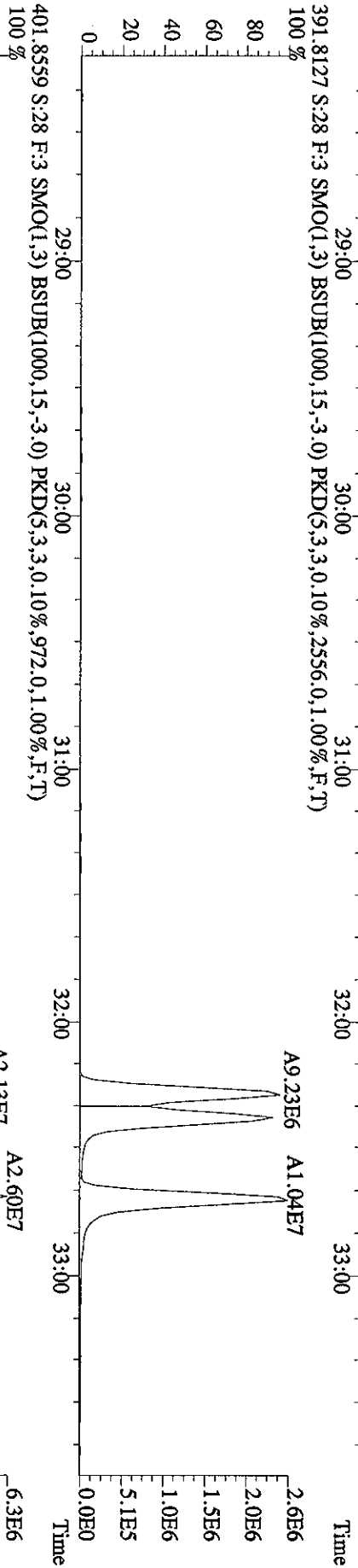
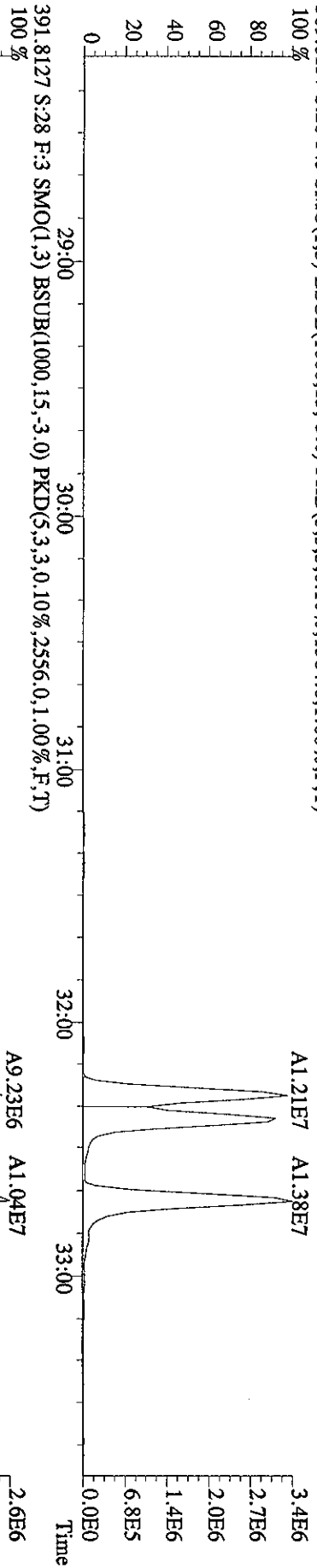
File:20MR061D5 #1-376 Acq:21-MAR-2006 05:17:42 GC EI + Voltage SIR 70SE

Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN

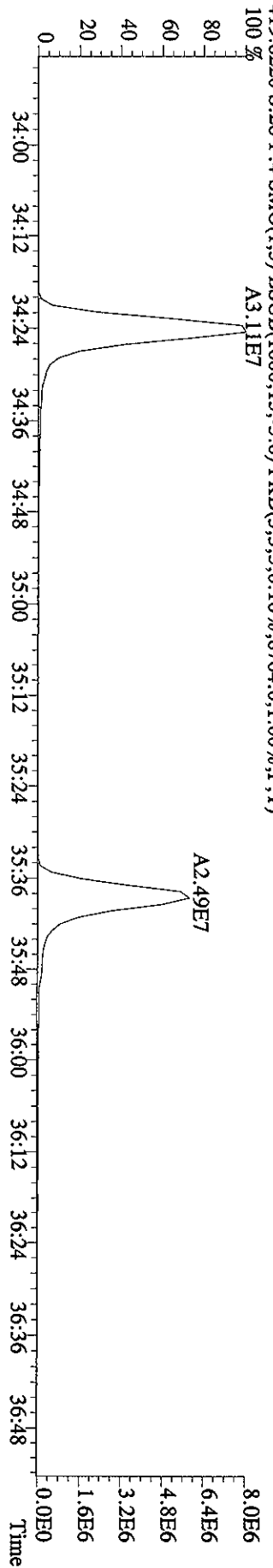
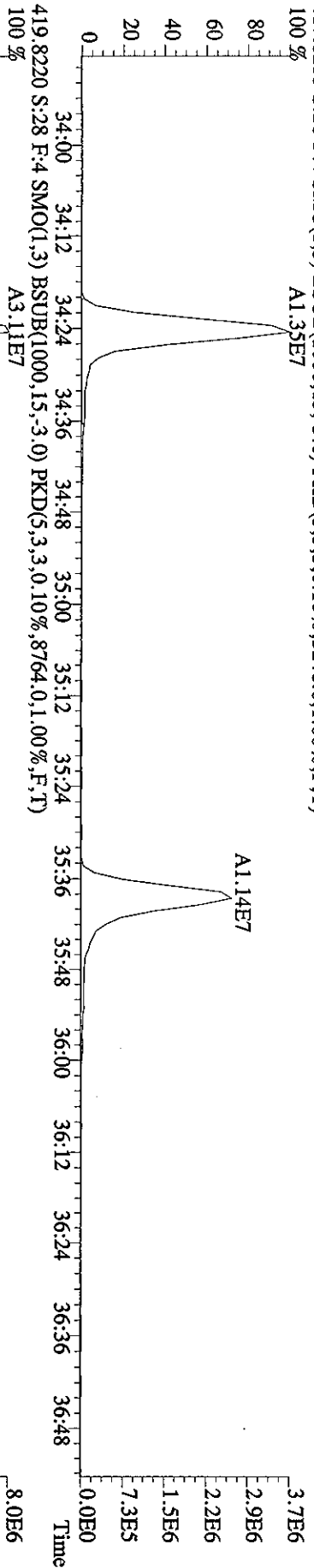
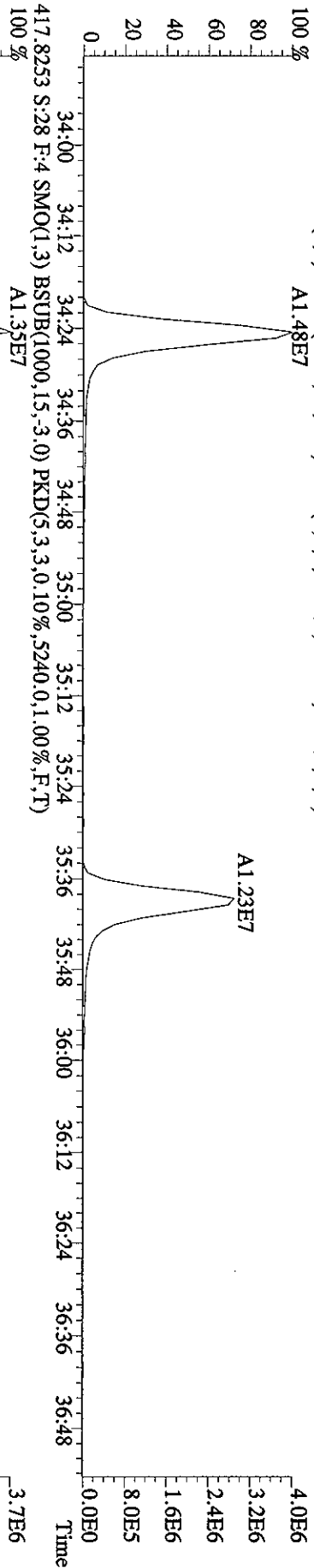
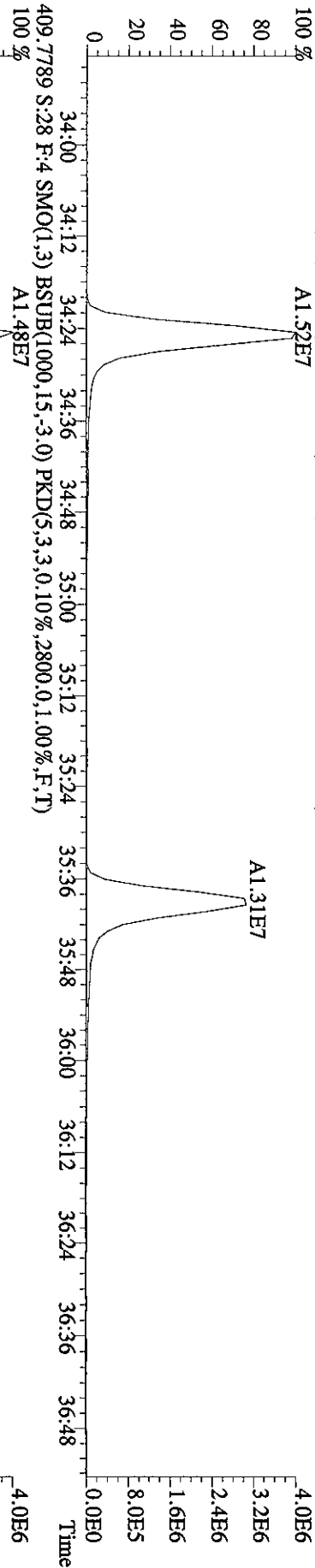
373.8208 S:28 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4340,0,1,00%,F,T)



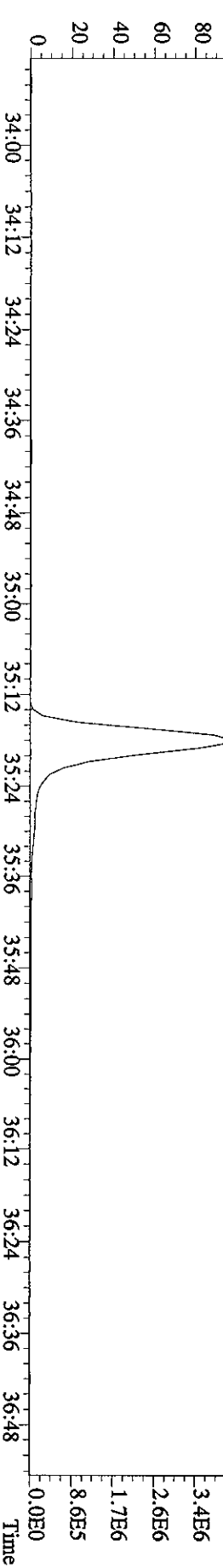
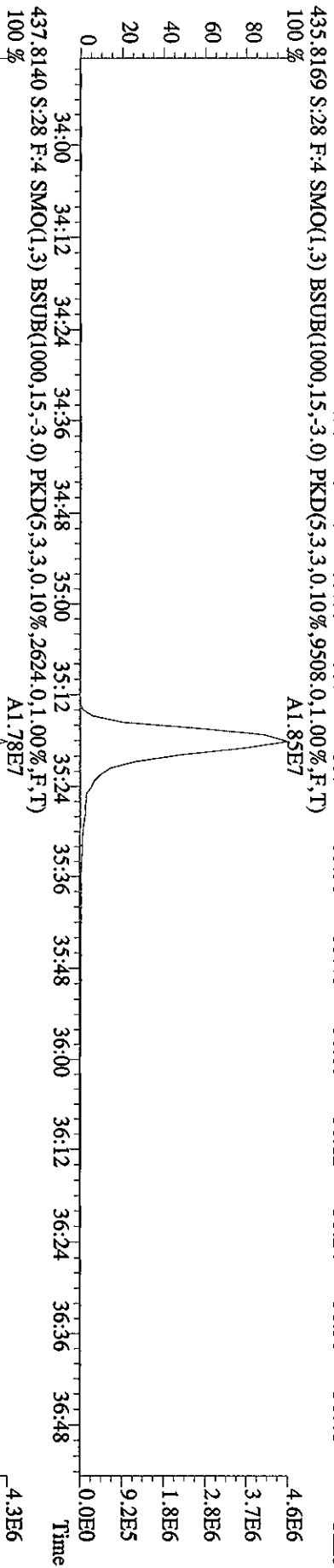
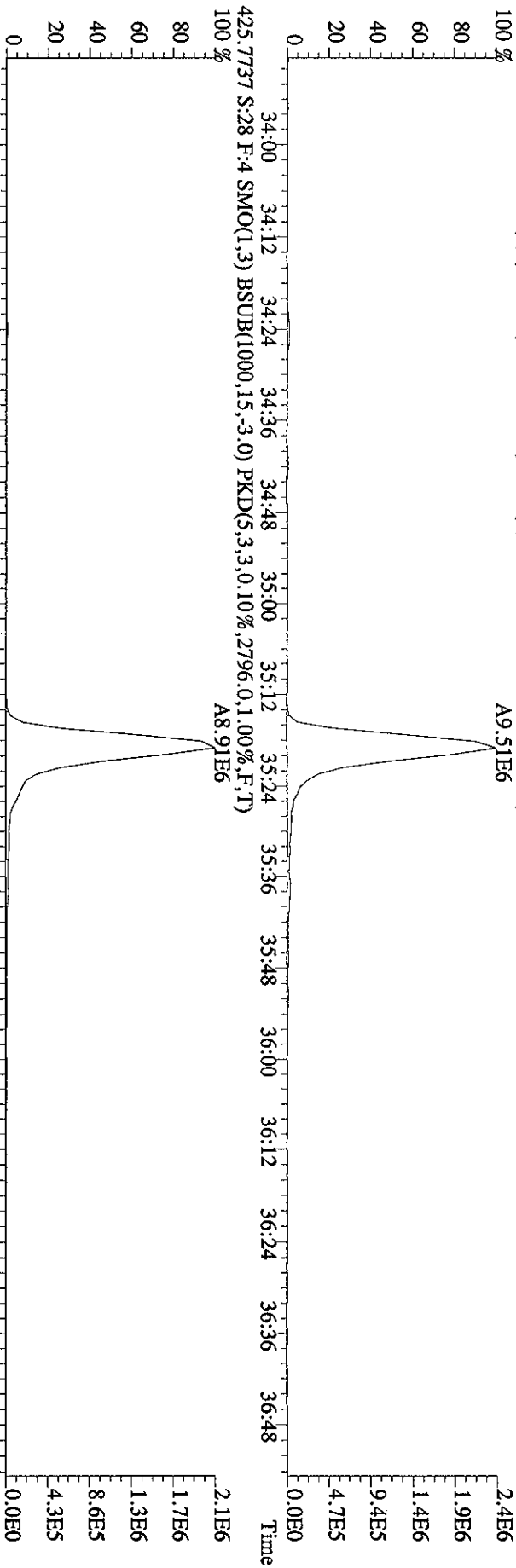
File: 20MR061D5 #1-376 Acq: 21-MAR-2006 05:17:42 GC EI + Voltage SIR 70SE
 Sample# 28 Text: H09V0-1-AC : G6C150000-263C Exp: DIOXIN
 389.8157 S: 28 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1564,0.1,0.00%,F,T)
 100%



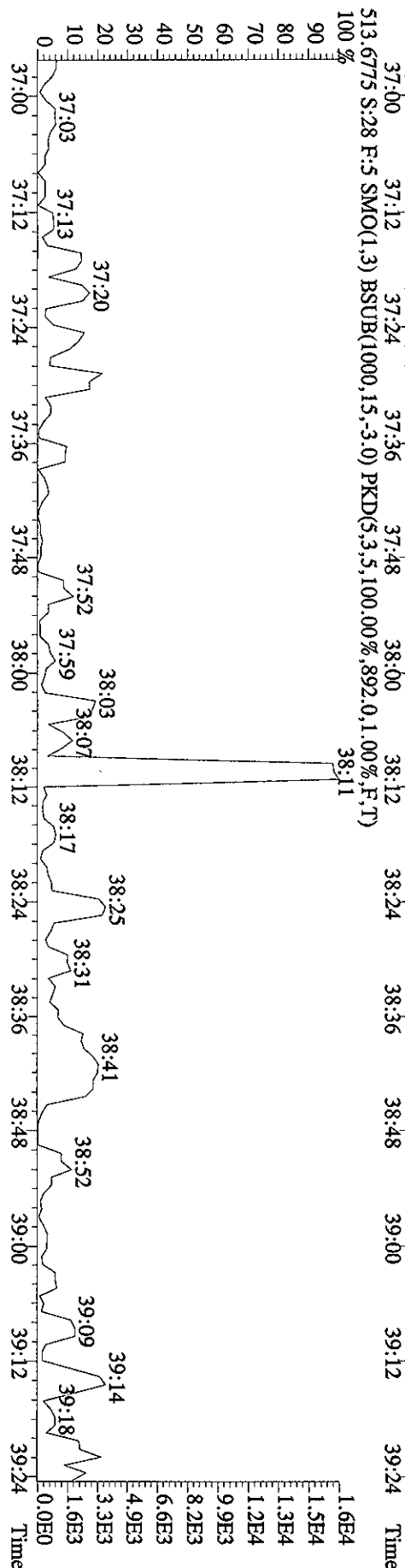
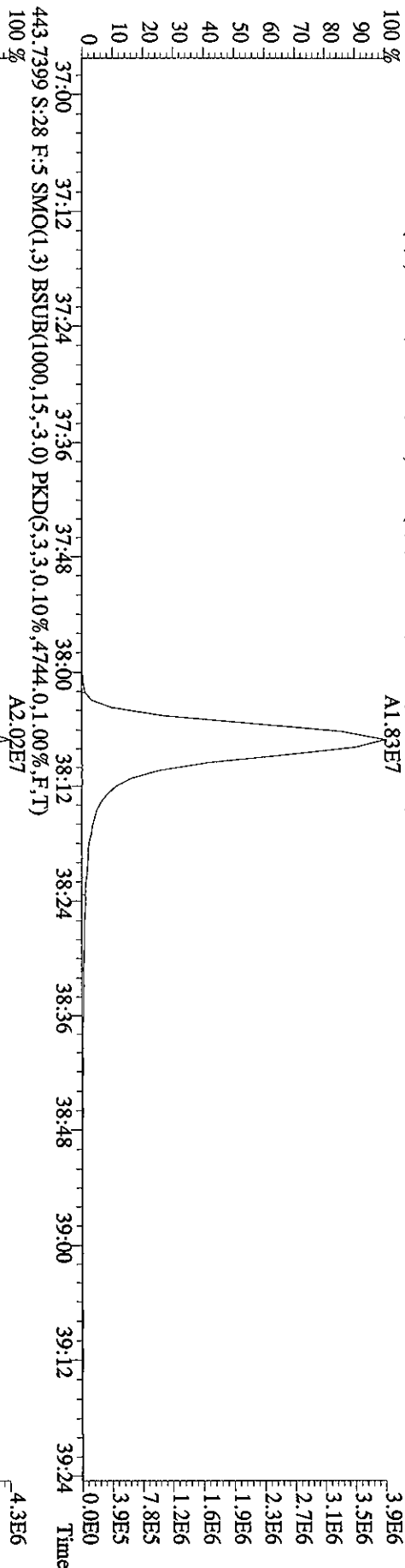
File:20MR061D5 #1-219 Acq:21-MAR-2006 05:17:42 GC EI + Voltage SIR 70SE
 Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
 407.7818 S:28 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6916,0.1,00%,F,T)
 100% A1.52E7



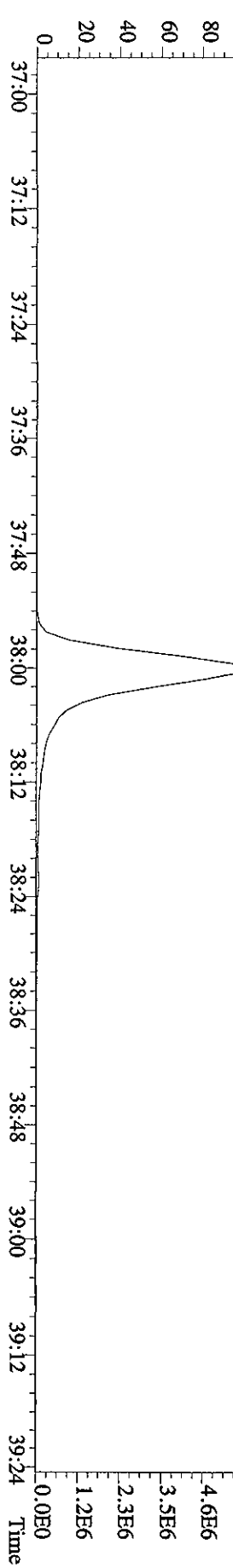
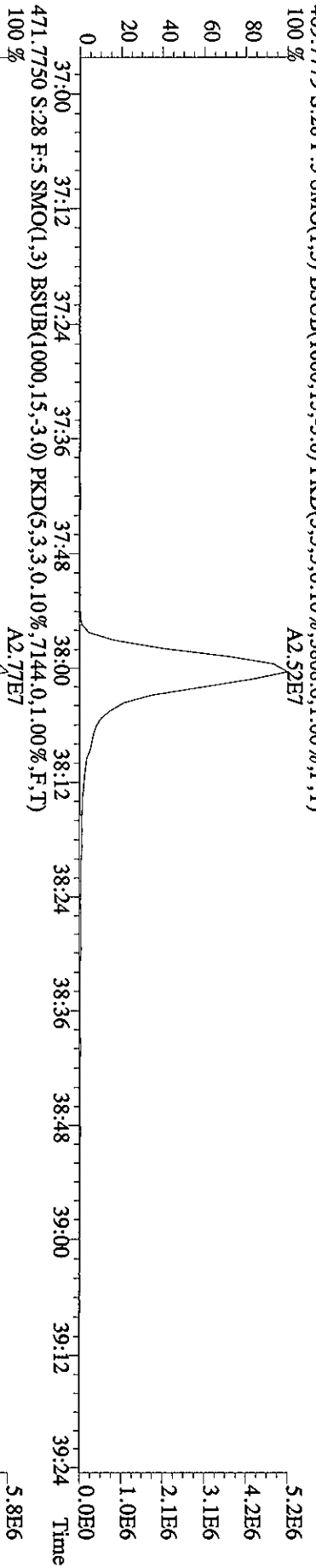
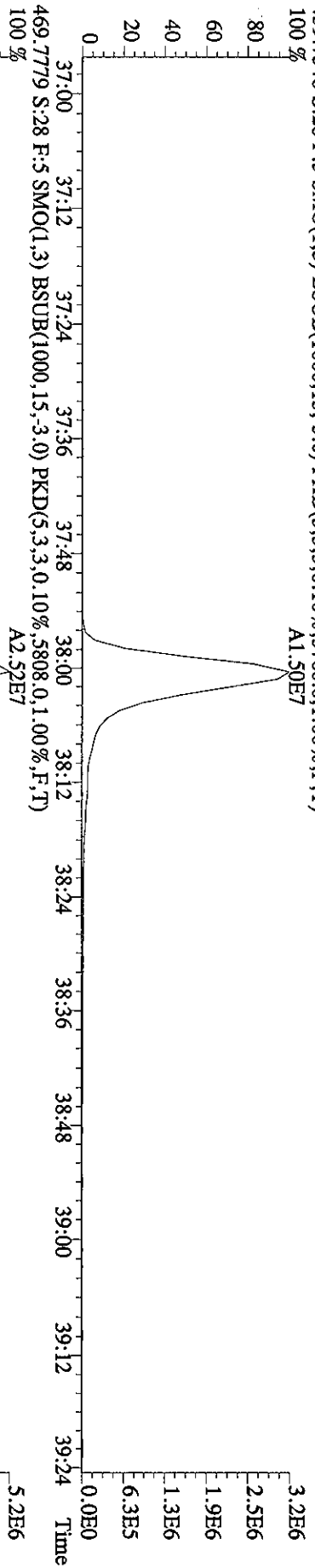
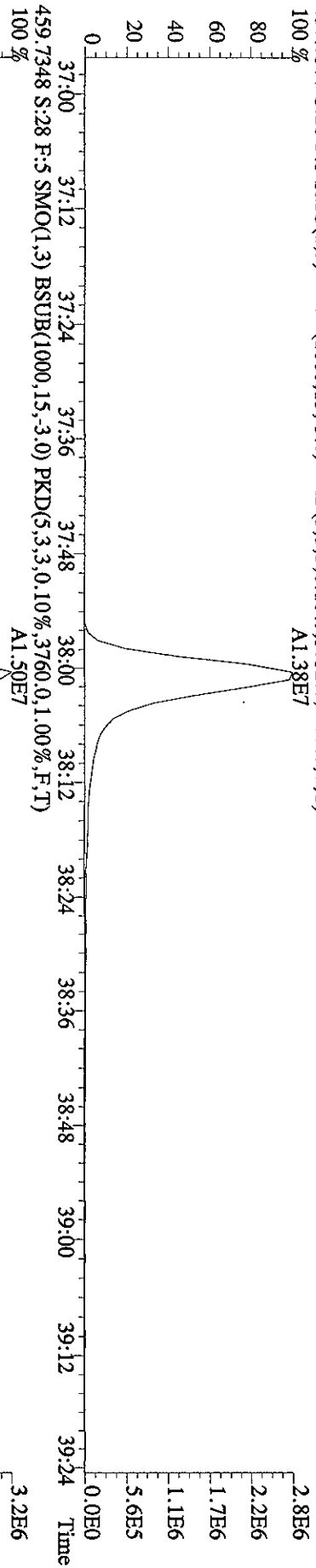
File: 20MR061D5 #1-219 Acq: 21-MAR-2006 05:17:42 GC EI + Voltage SIR 70SE
Sample# 28 Text: H09V0-1-AC : G6C150000-263C Exp: DIOXIN
423.7766 S: 28 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4108,0.1,0.00%,F,T)
100%



File:20MR061D5 #1-179 Acq:21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE
 Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
 441.7428 S:28 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2852,0.1,00%,F,T)
 100%



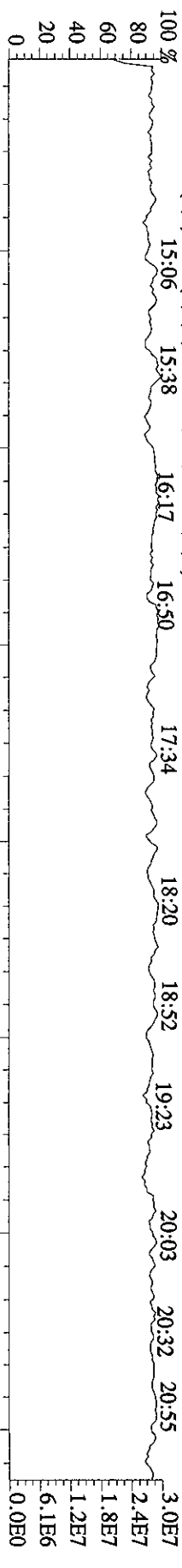
File:20MR061D5 #1-179 Acq:21-MAR-2006 05:17:42 GC EI + Voltage SIR 70SE
 Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN
 457.7377 S:28 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3732,0,1,00%,F,T)
 100% A1.38E7



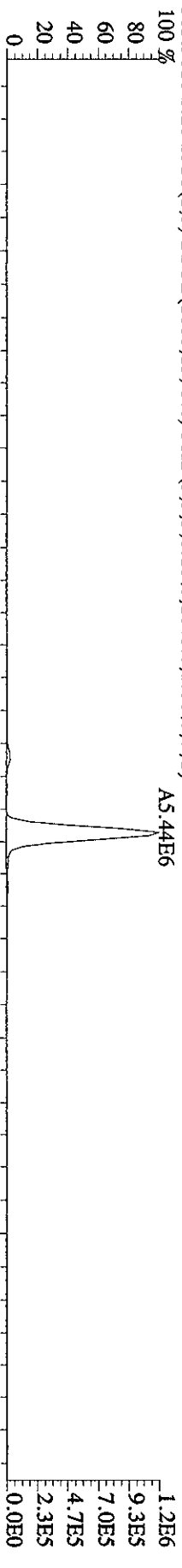
File: 20MR061D5 #1-393 Acq: 21-MAR-2006 05:17:42 GC EI + Voltage SIR 70SE

Sample# 28 Text: H09V0-1-AC : G6C150000-263C Exp: DIOXIN

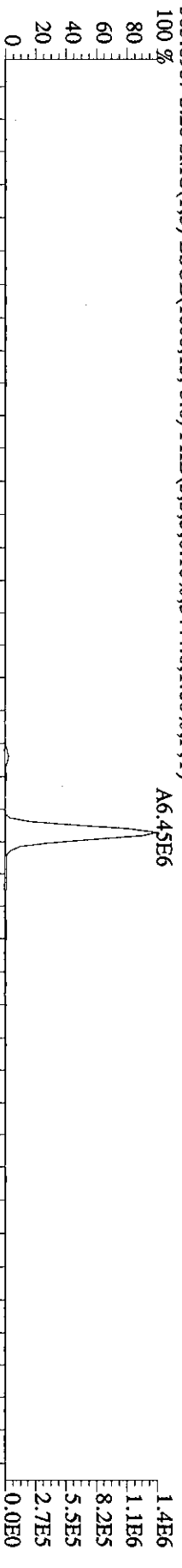
292.9825 S: 28 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)



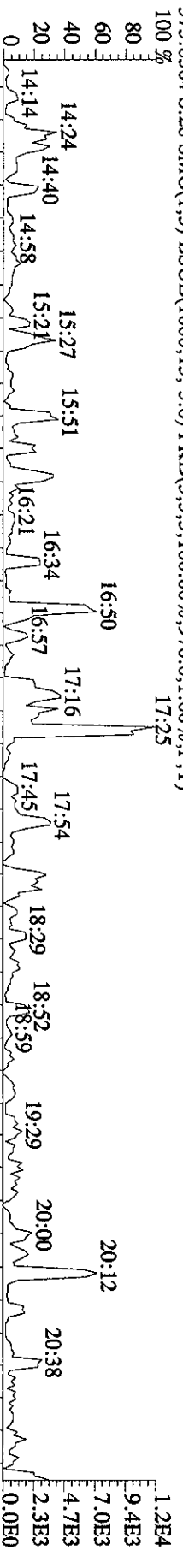
303.9016 S: 28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1648.0,1.00%,F,T)



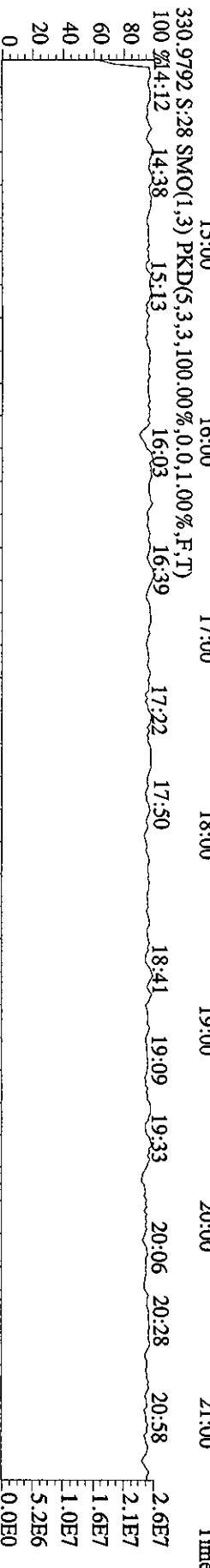
305.8987 S: 28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3444.0,1.00%,F,T)



375.8364 S: 28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,976.0,1.00%,F,T)



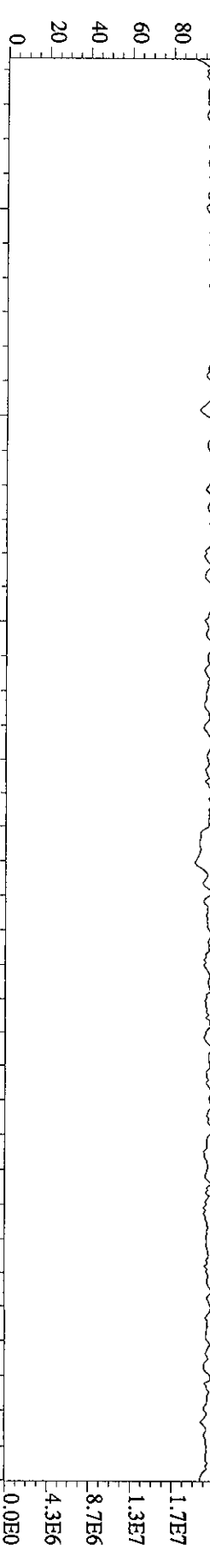
330.9792 S: 28 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)



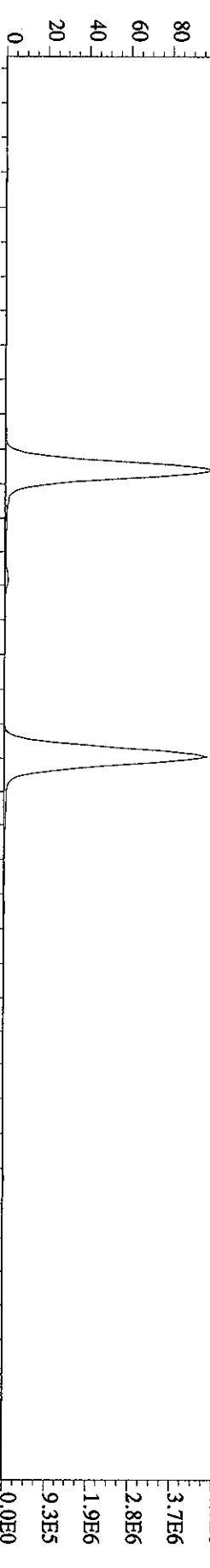
File:20MR061D5 #1-486 Acq:21-MAR-2006 05:17:42 GC EI + Voltage SIR 70SE

Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp:DIOXIN

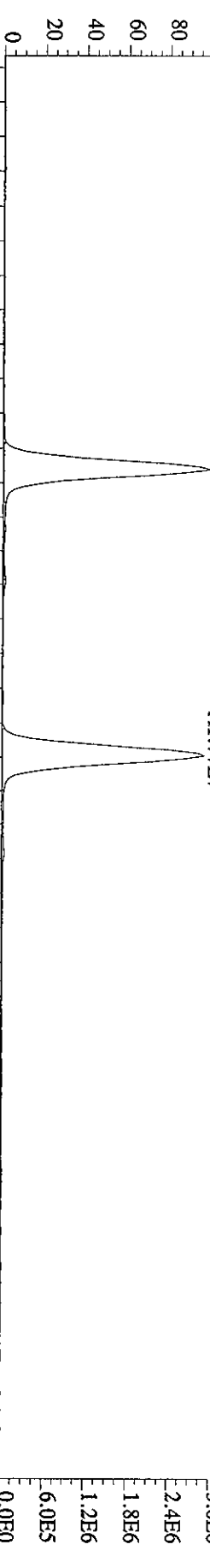
342.9792 S:28 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 21:38 22:04 22:32 23:02 23:24 23:50 24:17 24:49 25:19 25:48 26:22 26:44 27:16 27:41



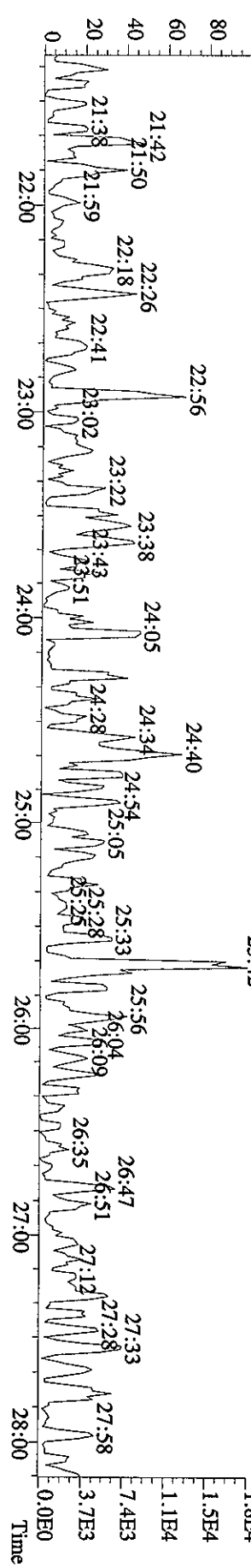
339.8597 S:28 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00



341.8367 S:28 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4272.0,1.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00



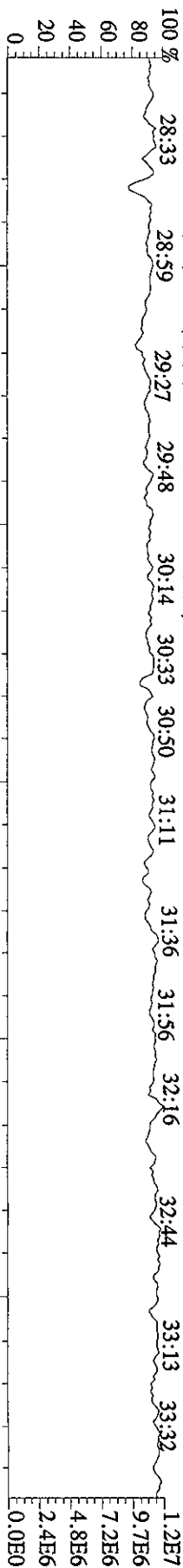
409.7974 S:28 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3980.0,1.00%,F,T) 21:38 21:59 22:18 22:41 23:02 23:22 23:43 23:51 24:05 24:28 24:34 24:40 24:54 25:05 25:25 25:28 25:33 25:42 25:56 26:04 26:09 26:35 26:47 26:51 27:12 27:28 27:33 27:58



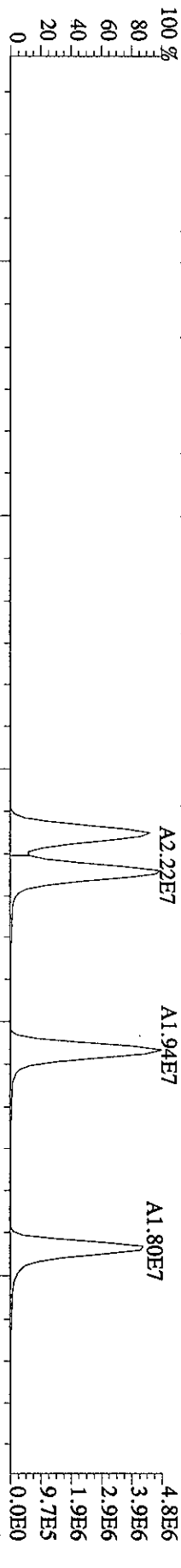
File:20MR061D5 #1-376 Acq:21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE

Sample#28 Text:H09V0-1-AC :G6C150000-263C Exp.:DIOXIN

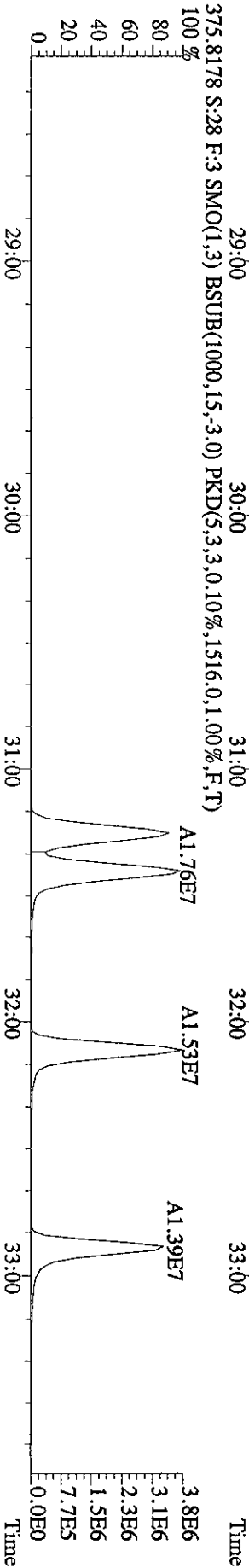
392.9760 S:28 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



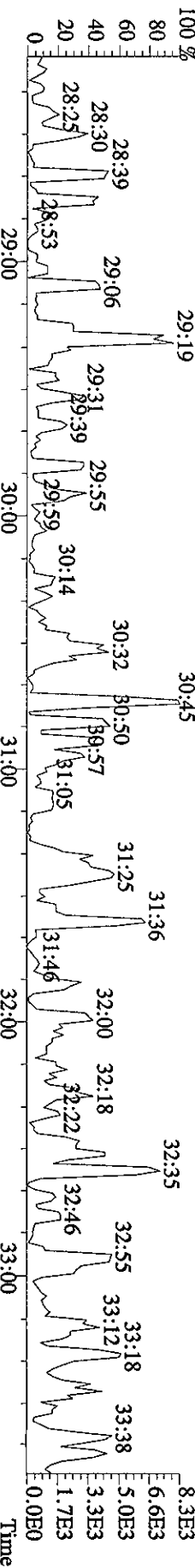
373.8208 S:28 F:3 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



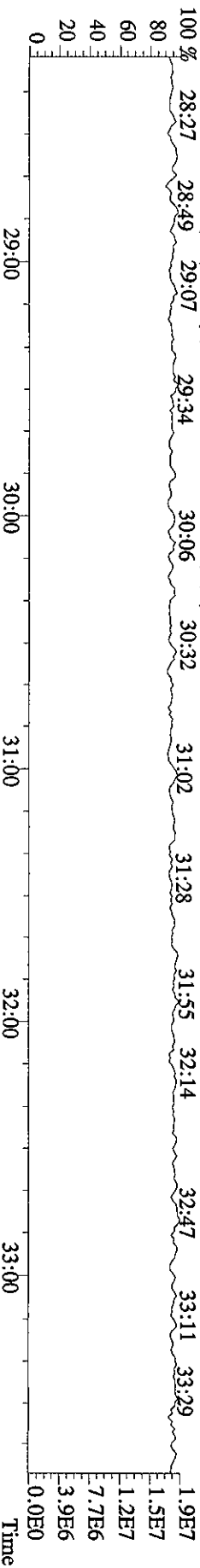
375.8178 S:28 F:3 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,1516.0,1.00%,F,T)

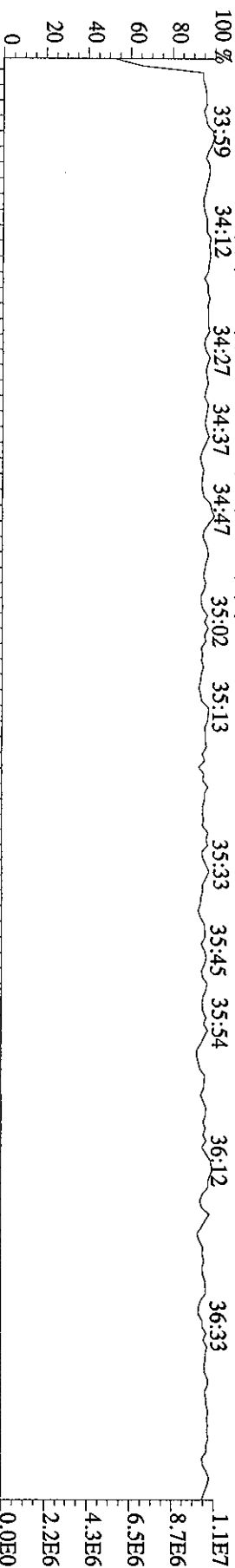


445.7555 S:28 F:3 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,1220.0,1.00%,F,T)

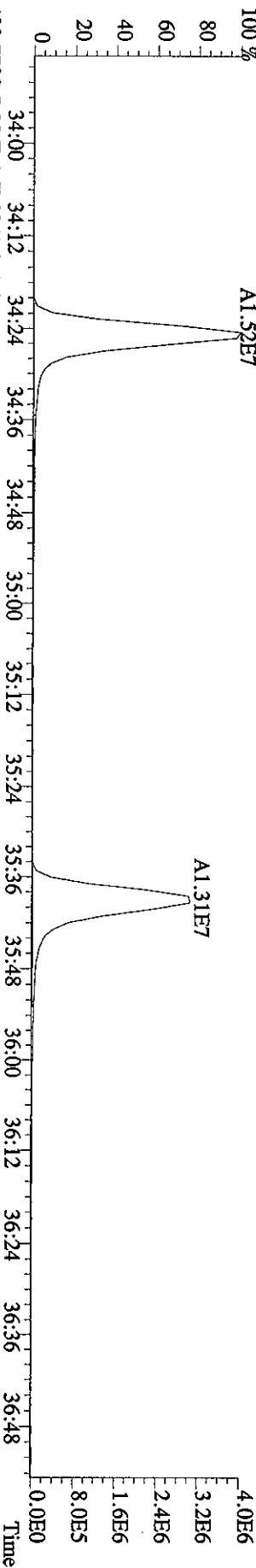


380.9760 S:28 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

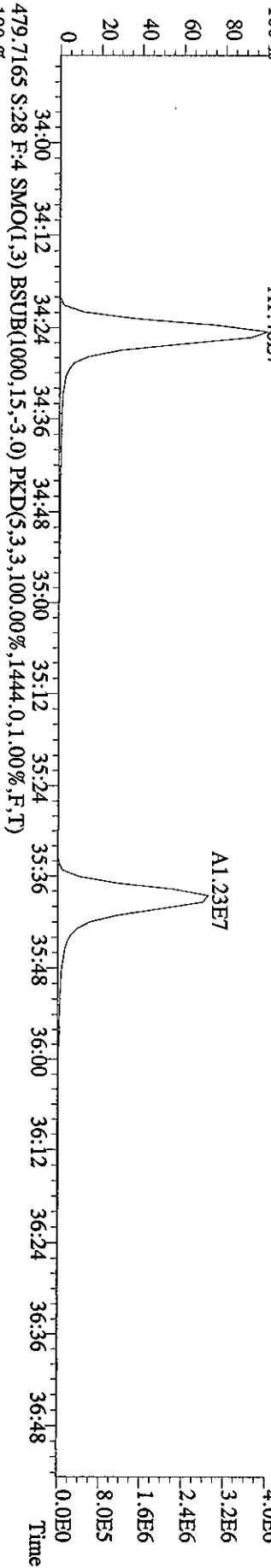




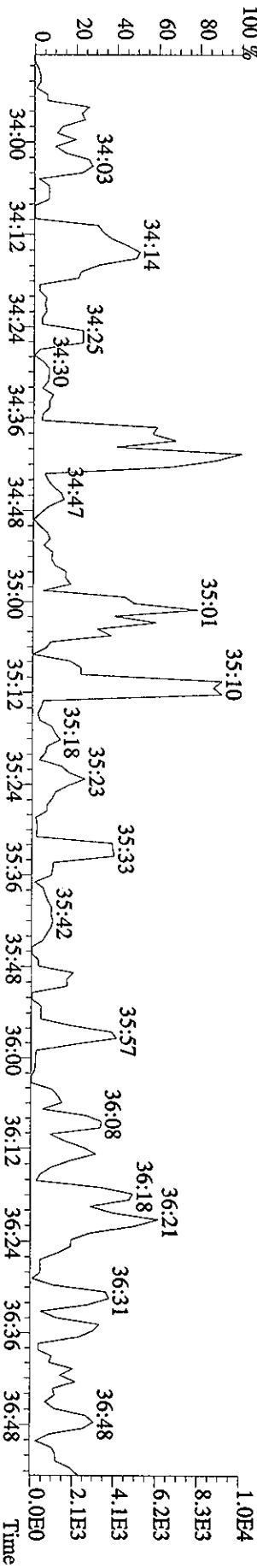
407.7818 S:28 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6916.0,1.00%,F,T)



409.7789 S:28 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



479.7165 S:28 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,1444.0,1.00%,F,T)



File: 20MR061D5 #1-179 Acq: 21-MAR-2006 05:17:42 GC EI+ Voltage SIR 70SE

Sample# 28 Text: H09V0-1-AC : G6C150000-263C Exp: DIOXIN

454.9728 S: 28 F: 5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 37:12 37:30 37:40 37:52

90 38:05 38:13 38:21

80 38:48 38:57 39:03

70 39:13

60 9.5E6

50 8.5E6

40 7.4E6

30 6.3E6

20 5.3E6

10 4.2E6

0 3.2E6
2.1E6
1.1E6
0.0E0

442.9728 S: 28 F: 5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 37:04 37:12 37:22 37:30 37:40 37:55 38:02 38:10 38:19 38:23 38:28 38:43 38:57 39:10 39:20

90 8.8E6

80 7.8E6

70 6.9E6

60 5.9E6

50 4.9E6

40 3.9E6

30 2.9E6

20 2.0E6

10 9.8E5

0 0.0E0
37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24

Time

Run text: H04HL-1-AC Sample text: H04HL-1-AC :G6C100424-1
 Run #30 Filename: 20MR061D5 S: 30 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 06:41:00 Processed: 21-MAR-06 08:02:42
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	88692300	0.80 y	18:29	-	7.53	-	-	n
13C-2,3,7,8-TCDF	110557200	0.78 y	17:56	1.70	146.63	0.13	73.3	n
2,3,7,8-TCDF	3037260	0.80 y	17:58	1.10	4.98	0.16	-	n
Total TCDF	12157920	0.60 n	15:25	1.10	19.93 18.38	0.16	-	n
13C-2,3,7,8-TCDD	57822300	0.79 y	18:41	0.87	150.09	0.43	75.0	n
2,3,7,8-TCDD	68458	0.51 n	18:42	1.42	0.17 DL	0.14	-	n
Total TCDD	741470	2.05 n	16:22	1.42	1.81 0.52	0.14	-	n
37Cl-2,3,7,8-TCDD	71257000	1.00 y	18:42	2.41	66.73	0.09	83.4	n
13C-1,2,3,7,8-PeCDF	83773900	1.60 y	23:14	1.42	133.01	0.11	66.5	n
1,2,3,7,8-PeCDF	1942087	1.74 y	23:14	1.04	4.44	0.24	-	y
2,3,4,7,8-PeCDF	1128566	1.68 y	24:39	1.07	2.51	0.24	-	n
Total F2 PeCDF	14682785	1.58 y	21:37	1.06	33.13	0.24	-	y
Total F1 PeCDF	789800	0.07 n	15:56	1.06	1.78 2.13	0.19	-	n
13C-1,2,3,7,8-PeCDD	46549100	1.63 y	25:23	0.83	125.79	0.08	62.9	n
1,2,3,7,8-PeCDD	47478	0.56 n	25:23	1.05	0.19	0.58	-	n
Total PeCDD	873224	1.37 y	22:04	1.05	3.56 0.82 = DL	0.58	-	n
13C-1,2,3,7,8,9-HxCDD	54819300	1.30 y	32:42	-	5.07	-	-	n
13C-1,2,3,4,7,8-HxCDF	57923000	0.53 y	31:14	1.33	158.30	0.27	79.1	n
1,2,3,4,7,8-HxCDF	3510590	1.17 y	31:15	1.14	10.66	0.31	-	y
1,2,3,6,7,8-HxCDF	2589800	1.23 y	31:24	1.23	7.25	0.28	-	y
2,3,4,6,7,8-HxCDF	864263	1.23 y	32:07	1.13	2.64	0.31	-	n
1,2,3,7,8,9-HxCDF	206019	1.74 n	32:53	1.10	0.65 DL	0.32	-	n
Total HxCDF	19533853	1.39 y	29:07	1.15	58.35 47.75	0.30	-	y
13C-1,2,3,6,7,8-HxCDD	42061500	1.31 y	32:22	0.97	157.75	0.10	78.9	n
1,2,3,4,7,8-HxCDD	65878	0.89 n	32:17	0.98	0.32 DL	0.24	-	n
1,2,3,6,7,8-HxCDD	197004	0.93 n	32:23	1.07	0.88	0.22	-	n
1,2,3,7,8,9-HxCDD	218088	1.52 n	32:42	1.10	0.94	0.21	-	n
Total HxCDD	1759605	1.08 y	30:29	1.05	7.95 2.28	0.22	-	n
13C-1,2,3,4,6,7,8-HpCDF	43168200	0.45 y	34:24	1.06	148.44	0.82	74.2	n
1,2,3,4,6,7,8-HpCDF	8381950	1.18 y	34:24	1.37	28.39	0.48	-	n
1,2,3,4,7,8,9-HpCDF	1637774	0.99 y	35:39	1.23	6.16	0.53	-	n
Total HpCDF	14002613	1.18 y	34:24	1.30	48.75	0.50	-	n
13C-1,2,3,4,6,7,8-HpCDD	35705400	1.11 y	35:18	0.89	145.56	0.49	72.8	n
1,2,3,4,6,7,8-HpCDD	1183780	1.01 y	35:19	1.06	6.26	0.44	-	n
Total HpCDD	2184264	2.66 n	34:24	1.06	11.55 11.11	0.44	-	n
13C-OCDD	50247300	0.89 y	37:59	0.76	240.86	0.69	60.2	n

OCDF	9218000	0.90	y	38:07	1.46	50.42	0.58	-	n
OCDD	4242900	0.94	y	38:00	1.10	30.72	0.52	-	n

Run text: H04HL-1-AC Sample text: H04HL-1-AC :G6C100424-1
 Run #30 Filename: 20MR061D5 S: 30 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 06:41:00 Processed: 21-MAR-06 08:02:42
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000µg

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	88692300	0.80 y	18:29	-	7.53	-	-	n
13C-2,3,7,8-TCDF	110557200	0.78 y	17:56	1.70	146.63	0.13	73.3	n
2,3,7,8-TCDF	3037260	0.80 y	17:58	1.10	4.98	0.16	-	n
Total TCDF	12157920	0.60 n	15:25	1.10	19.93	0.16	-	n
13C-2,3,7,8-TCDD	57822300	0.79 y	18:41	0.87	150.09	0.43	75.0	n
2,3,7,8-TCDD	68458	0.51 n	18:42	1.42	0.17	0.14	-	n
Total TCDD	741470	2.05 n	16:22	1.42	1.81	0.14	-	n
37Cl-2,3,7,8-TCDD	71257000	1.00 y	18:42	2.41	66.73	0.09	83.4	n
13C-1,2,3,7,8-PeCDF	83773900	1.60 y	23:14	1.42	133.01	0.11	66.5	n
1,2,3,7,8-PeCDF	1763804	1.78 n	23:14	1.04	4.04	0.24	-	n
2,3,4,7,8-PeCDF	1128566	1.68 y	24:39	1.07	2.51	0.24	-	n
Total F2 PeCDF	14578866	1.58 y	21:37	1.06	32.89	0.24	-	n
Total F1 PeCDF	789800	0.07 n	15:56	1.06	1.78	0.19	-	n
13C-1,2,3,7,8-PeCDD	46549100	1.63 y	25:23	0.83	125.79	0.08	62.9	n
1,2,3,7,8-PeCDD	47478	0.56 n	25:23	1.05	0.19	0.58	-	n
Total PeCDD	873224	1.37 y	22:04	1.05	3.56	0.58	-	n
13C-1,2,3,7,8,9-HxCDD	54819300	1.30 y	32:42	-	5.07	-	-	n
13C-1,2,3,4,7,8-HxCDF	57923000	0.53 y	31:14	1.33	158.30	0.27	79.1	n
1,2,3,4,7,8-HxCDF	3879600	1.16 y	31:15	1.14	11.78	0.31	-	n
1,2,3,6,7,8-HxCDF	2588200	1.24 y	31:24	1.23	7.24	0.28	-	n
2,3,4,6,7,8-HxCDF	864260	1.23 y	32:07	1.13	2.64	0.31	-	n
1,2,3,7,8,9-HxCDF	206019	1.74 n	32:53	1.10	0.65	0.32	-	n
Total HxCDF	19554596	1.39 y	29:07	1.15	58.43	0.30	-	n
13C-1,2,3,6,7,8-HxCDD	42061500	1.31 y	32:22	0.97	157.75	0.10	78.9	n
1,2,3,4,7,8-HxCDD	65878	0.89 n	32:17	0.98	0.32	0.24	-	n
1,2,3,6,7,8-HxCDD	197004	0.93 n	32:23	1.07	0.88	0.22	-	n
1,2,3,7,8,9-HxCDD	218088	1.52 n	32:42	1.10	0.94	0.21	-	n
Total HxCDD	1759605	1.08 y	30:29	1.05	7.95	0.22	-	n
13C-1,2,3,4,6,7,8-HpCDF	43168200	0.45 y	34:24	1.06	148.44	0.82	74.2	n
1,2,3,4,6,7,8-HpCDF	8381950	1.18 y	34:24	1.37	28.39	0.48	-	n
1,2,3,4,7,8,9-HpCDF	1637774	0.99 y	35:39	1.23	6.16	0.53	-	n
Total HpCDF	14002613	1.18 y	34:24	1.30	48.75	0.50	-	n
13C-1,2,3,4,6,7,8-HpCDD	35705400	1.11 y	35:18	0.89	145.56	0.49	72.8	n
1,2,3,4,6,7,8-HpCDD	1183780	1.01 y	35:19	1.06	6.26	0.44	-	n
Total HpCDD	2184264	2.66 n	34:24	1.06	11.55	0.44	-	n
13C-OCDD	50247300	0.89 y	37:59	0.76	240.86	0.69	60.2	n
OCDF	9218000	0.90 y	38:07	1.46	50.42	0.58	-	n
OCDD	4242900	0.94 y	38:00	1.10	30.72	0.52	-	n

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:14
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 199.26 of which 49.78 named and 149.48 unnamed
 Conc: 19.93 of which 4.98 named and 14.95 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	15:25	0.60	n 0.39	104214 173420	11.9 9.0	y	n
	2	15:46	1.21	n 0.20	85067 70254	8.6 4.1	y	n
	3	15:56	0.79	y 0.43	115676 146749	9.6 6.6	y	n
	4	16:12	0.71	y 3.52	895056 1253350	82.9 54.6	y	n
	5	16:26	0.90	n 1.28	396309 441048	27.4 14.5	y	n
	6	16:47	0.85	y 1.13	317424 372984	19.4 12.1	y	n
	7	17:01	0.91	n 2.19	688123 754881	66.8 33.5	y	n
	8	17:13	0.76	y 2.03	535490 705449	27.6 15.6	y	n
	9	17:34	0.95	n 1.10	360826 378510	35.6 14.9	y	n
	10	17:46	0.74	y 0.36	94235 127442	8.6 5.3	y	n
2,3,7,8-TCDF	11	17:58	0.80	y 4.98	1345300 1691960	111.7 64.1	y	n
	12	18:25	0.90	n 1.05	326210 361560	30.3 14.7	y	n
	13	18:37	0.80	y 1.09	293434 368892	25.2 13.5	y	n
	14	19:52	0.70	y 0.17	42772 61082	3.6 2.4	y	n

18.38

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total TCDD

F:1 Mass: 319.897 321.894 Mod? no #Hom:12

Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 18.07 of which 1.67 named and 16.41 unnamed
Conc: 1.81 of which 0.17 named and 1.64 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	16:22	2.05	n 0.09	42113 20544	2.7 2.5	n n	n n
	2	16:41	0.69	y 0.52	87484 127660	9.7 14.7	y y	n n
	3	17:31	0.38	n 0.26	45523 118426	4.5 12.1	y y	n n
	4	17:42	0.23	n 0.06	11250 49010	1.1 4.5	n y	n n
	5	17:56	4.81	n 0.10	114411 23798	10.6 3.4	y y	n n
	6	18:07	0.66	y 0.12	19429 29347	2.7 2.7	n n	n n
	7	18:16	2.46	n 0.02	9188 3741	0.7 0.6	n n	n n
	8	18:26	0.83	y 0.10	17727 21260	1.9 2.7	n n	n n
	9	18:36	1.03	n 0.21	50598 49266	4.0 6.2	y y	n n
2,3,7,8-TCDD	10	18:42	0.51	n 0.17	29781 58293	3.4 7.1	y y	n n
	11	18:51	0.50	n 0.10	18332 36682	2.1 3.1	n y	n n
	12	20:35	0.72	y 0.06	10536 14620	1.5 1.7	n n	n n

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:16
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 328.87 of which 65.43 named and 263.45 unnamed
 Conc: 32.89 of which 6.54 named and 26.34 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	21:37	1.58 y	1.50	407111 257346	34.4 15.4	y y	n n
	2	21:50	1.54 y	11.23	3016180 1963720	195.9 83.5	y y	n n
	3	22:05	1.43 y	1.30	340246 238631	28.4 12.1	y y	n n
	4	22:21	1.80 n	1.10	344936 191718	21.1 7.9	y y	n n
	5	22:38	1.61 y	1.74	477043 296160	41.5 17.7	y y	n n
	6	22:46	1.29 ^{TA} n	2.95	796441 618528	53.8 21.8	y y	n n
	7	23:07	1.60 y	1.40	382157 238655	33.4 11.0	y y	n n
1, 2, 3, 7, 8-PeCDF	8	23:14	1.78 n	4.04	1233550 691688	75.8 30.8	y y	n n
	9	23:34	1.34 y	1.12	284355 211519	20.1 8.3	y y	n n
	10	23:48	1.83 n	2.17	691603 377259	37.6 16.1	y y	n n
2, 3, 4, 7, 8-PeCDF	11	24:39	1.68 y	2.51	708019 420547	42.8 16.1	y y	n n
	12	25:00	0.72 n	1.44	387251 534587	22.6 11.1	y y	n n
	13	25:16	0.43 n	0.05	13236 30560	1.8 2.0	n n	n n
	14	25:27	1.59 y	0.05	13514 8505	2.1 0.9	n n	n n
	15	26:41	0.50 n	0.16	42474 84157	5.0 3.0	y n	n n
	16	26:45	0.44 n	0.14	37349	3.4	y	n

see 3A

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? yes #Hom:16
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 331.28 of which 69.50 named and 261.77 unnamed
 Conc: 33.13 of which 6.95 named and 26.18 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	21:37	1.58 y	1.50	407111 257346	34.4 15.4	y	n
	2	21:50	1.54 y	11.23	3016180 1963720	195.9 83.5	y	n
	3	22:05	1.43 y	1.30	340246 238631	28.4 12.1	y	n
	4	22:21	1.80 n	1.10	344936 191718	21.1 7.9	y	n
	5	22:38	1.61 y	1.74	477043 296160	41.5 17.7	y	n
	6	22:46	1.29 n	2.95	796441 618528	53.8 21.8	y	n
	7	23:07	1.78 n	1.23	382157 214294	33.4 11.0	y	n
1,2,3,7,8-PeCDF	8	23:14	1.74 y	4.44	1233550 708537	75.8 30.8	y	n
	9	23:34	1.34 y	1.12	284354 211519	20.1 8.3	y	n
	10	23:48	1.83 n	2.17	691603 377259	37.6 16.1	y	n
2,3,4,7,8-PeCDF	11	24:39	1.68 y	2.51	708019 420547	42.8 16.1	y	n
	12	25:00	0.72 n	1.44	387251 534587	22.6 11.1	y	n
	13	25:16	0.43 n	0.05	13236 30560	1.8 2.0	n	n
	14	25:27	1.59 y	0.05	13514 8505	2.1 0.9	n	n
	15	26:41	0.50 n	0.16	42474 84157	5.0 3.0	y	n

21.13

3A

16	26:45	0.44	n	0.14	37349	3.4	y	n
					84157	3.0	n	n

3P
cont'd

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:4

Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 17.80 of which * named and 17.80 unnamed
 Conc: 1.78 of which * named and 1.78 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	15:56	0.07	n 0.07	18153	2.8	n	n
					242358	17.2	y	n
	2	19:43	0.05	n 0.04	9454	1.4	n	n
					196733	12.3	y	n
	3	20:11	1.30	n 1.64	441444	50.7	y	n
					340279	18.3	y	n
	4	20:46	0.53	n 0.04	11023	2.0	n	n
					20656	1.6	n	n

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:8
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 35.60 of which 1.94 named and 33.66 unnamed
 Conc: 3.56 of which 0.19 named and 3.37 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	22:04	1.37 y	0.82	115659 84680	4.0 7.7	y	n
	2	23:16	2.75 n	0.70	184085 66925	5.7 5.5	y	n
	3	23:33	0.75 n	0.43	64381 85703	3.2 5.5	y	n
	4	23:51	2.17 n	0.50	105323 48513	4.8 4.3	y	n
	5	24:09	0.78 n	0.08	12188 15558	0.9 2.6	n	n
	6	25:06	8.60 n	0.57	471347 54804	11.1 4.9	y	n
1,2,3,7,8-PeCDD	7	25:23	0.56 n	0.19	28859 51949	1.6 4.4	n	n
	8	25:44	1.50 y	0.27	39179 26141	1.7 2.3	n	n

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:13
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 584.26 of which 223.16 named and 361.09 unnamed
 Conc: 58.43 of which 22.32 named and 36.11 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	29:07	1.39 y	5.93	1148680 825236	29.3 47.6	y	n
	2	29:34	1.24 y	14.86	2732920 2212760	67.9 111.7	y	n
	3	29:58	0.78 n	0.42	76597	3.1	y	n

						98364	7.3	y	n
	4	30:18	0.97	n	1.13	209062	6.3	y	n
						214585	15.6	y	n
	5	30:37	1.29	y	6.45	1210440	46.4	y	n
						936651	74.2	y	n
1,2,3,4,7,8-HxCDF	6	31:15	1.16	y	11.78	2084680	73.2	y	n
						1794920	139.8	y	n
1,2,3,6,7,8-HxCDF	7	31:24	1.24	y	7.24	1431570	60.2	y	n
						1156630	104.2	y	n
	8	31:32	1.52	n	2.00	451811	20.2	y	n
						296799	30.5	y	n
	9	31:48	0.97	n	1.89	348968	10.0	y	n
						359404	19.7	y	n
	10	32:01	1.17	y	2.10	376581	21.2	y	n
						322975	36.0	y	n
2,3,4,6,7,8-HxCDF	11	32:07	1.23	y	2.64	476135	22.7	y	n
						388125	42.0	y	n
1,2,3,7,8,9-HxCDF	12	32:53	1.74	n	0.65	160283	9.3	y	n
						91973	12.5	y	n
	13	32:59	1.42	y	1.32	257855	13.4	y	n
						181167	17.9	y	n

*Age
CoA*

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:14
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 583.51 of which 212.00 named and 371.51 unnamed
 Conc: 58.35 of which 21.20 named and 37.15 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	29:07	1.39 y	5.93	1148680 825237	29.3 47.6	y y	n n
	2	29:34	1.24 y	14.86	2732920 2212770	67.9 111.7	y y	n n
	3	29:58	0.78 n	0.42	76597 98364	3.1 7.3	y y	n n
	4	30:18	0.97 n	1.13	209062 214585	6.3 15.6	y y	n n
	5	30:37	1.29 y	6.45	1210440 936651	46.4 74.2	y y	n n
	6	31:10	1.03 n	1.04	191895 185670	18.1 35.1	y y	y y
1,2,3,4,7,8-HxCDF	7	31:15	1.17 y	10.66	1895030 1615560	73.2 140.0	y y	y y
1,2,3,6,7,8-HxCDF	8	31:24	1.23 y	7.25	1430600 1159200	60.2 104.3	y y	y y
	9	31:32	1.51 n	2.00	449468 296799	20.2 30.5	y y	y n
	10	31:48	0.97 n	1.89	348970 359405	10.0 19.7	y y	n n
	11	32:01	1.17 y	2.10	376582 322975	21.2 36.0	y y	n n
2,3,4,6,7,8-HxCDF	12	32:07	1.23 y	2.64	476137 388126	22.7 42.0	y y	n n
1,2,3,7,8,9-HxCDF	13	32:53	1.74 n	0.65	160284 91973	9.3 12.5	y y	n n
	14	32:59	1.42 y	1.32	257856 181166	13.4 17.9	y y	n n

47.77

6A

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:10
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 79.48 of which 21.42 named and 58.06 unnamed
 Conc: 7.95 of which 2.14 named and 5.81 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	30:29	1.08 y	1.12	128319 118735	11.9 9.0	y	n
	2	30:38	0.52 n	0.09	11220 21533	2.2 2.1	n	n
	3	31:17	1.59 n	2.28	356885 224185	29.8 18.9	y	n
	4	31:35	1.23 y	1.87	227253 184393	24.2 16.9	y	n
	5	32:05	5.73 n	0.13	75523 13179	9.2 1.4	y	n
1,2,3,4,7,8-HxCDD	6	32:17	0.89 n	0.32	36468 40944	4.8 4.6	y	n
1,2,3,6,7,8-HxCDD	7	32:23	0.93 n	0.88	109056 117414	15.0 12.0	y	n
1,2,3,7,8,9-HxCDD	8	32:42	1.52 n	0.94	148199 97361	15.6 7.9	y	n
	9	32:53	2.35 n	0.26	60217 25589	6.0 2.6	y	n
	10	33:15	1.40 y	0.05	6212 4439	1.3 0.7	n	n

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 487.49 of which 345.50 named and 141.99 unnamed
 Conc: 48.75 of which 34.55 named and 14.20 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:24	1.18 y	28.39	4541720	157.8	y	n

					3840230	189.8	y	n	
	2	34:37	1.22	n	4.18	703136	23.7	y	n
						574725	29.6	y	n
	3	34:45	1.11	y	10.02	1481560	53.1	y	n
						1328890	60.9	y	n
1,2,3,4,7,8,9-HpCDF	4	35:39	0.99	y	6.16	816343	27.0	y	n
						821431	34.8	y	n

Totals Results STL Sacramento

Page 9 of 9

Run Text: H04HL-1-AC

Sample text: H04HL-1-AC :G6C100424-1

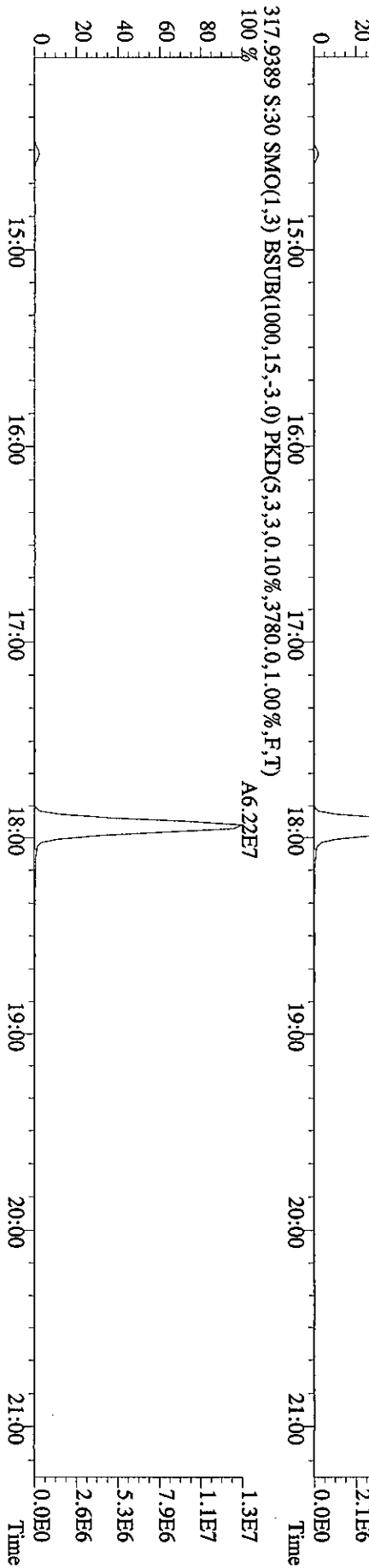
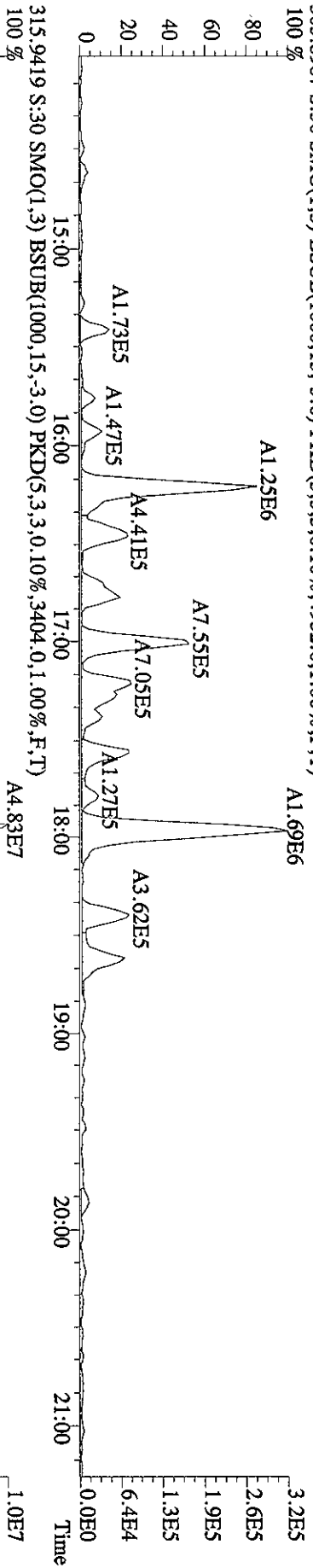
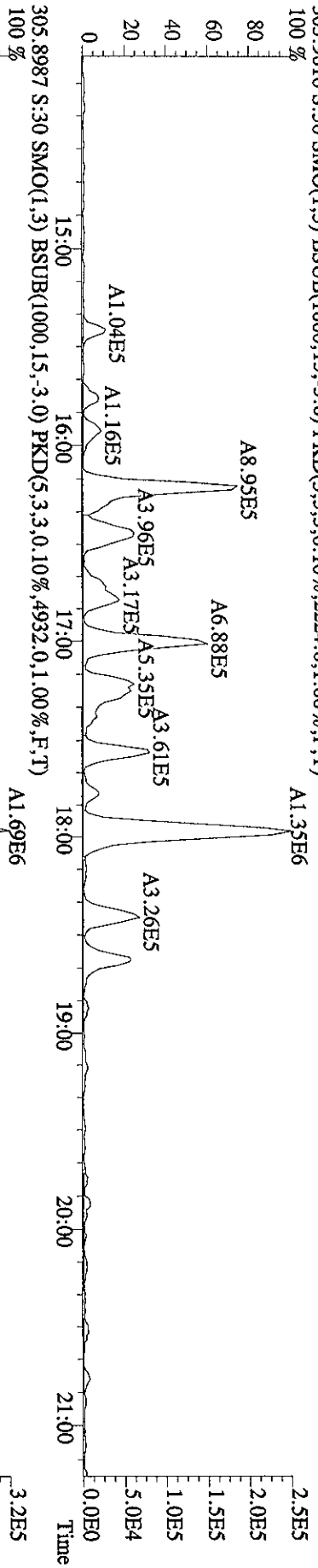
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
 Run: 30 File: 20MR061D5 S:30 Acq:21-MAR-06 06:41:00
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 115.48 of which 62.59 named and 52.89 unnamed
 Conc: 11.55 of which 6.26 named and 5.29 unnamed

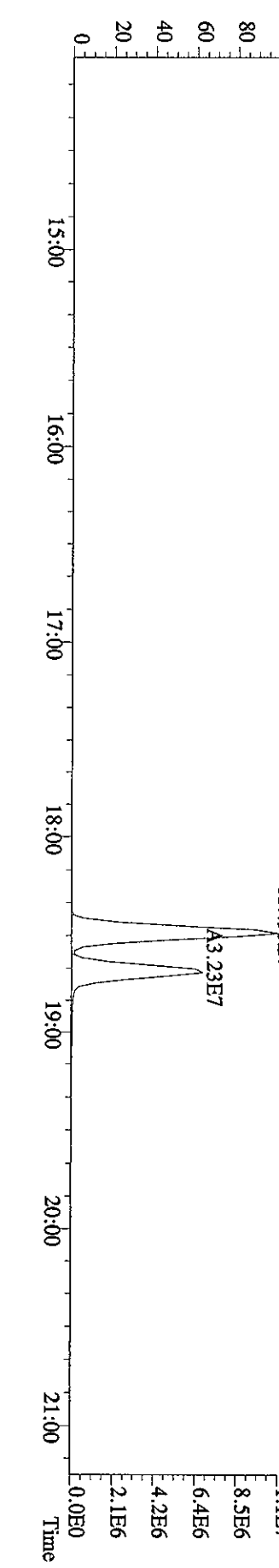
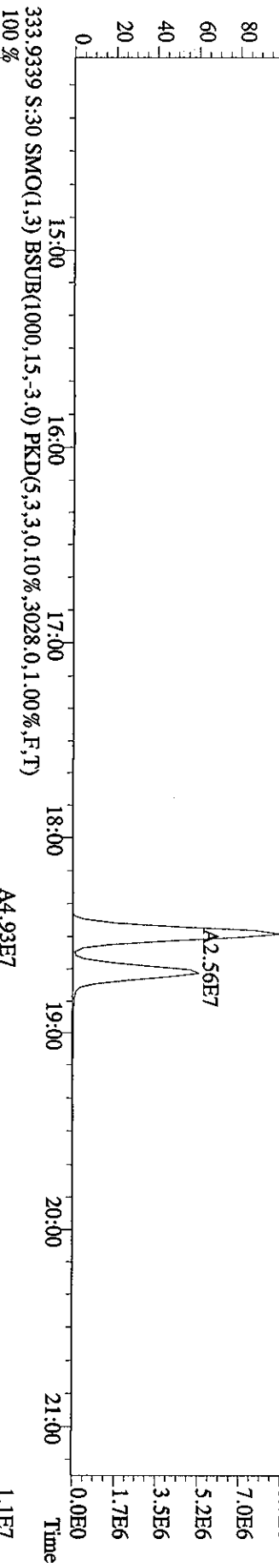
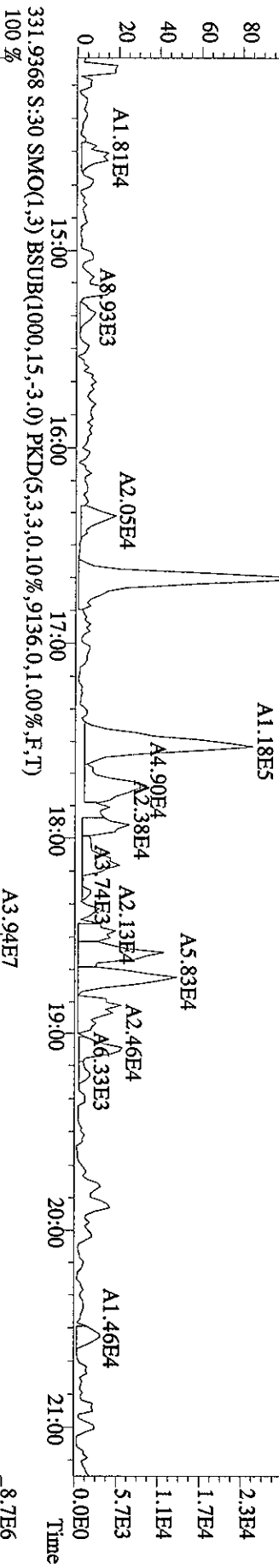
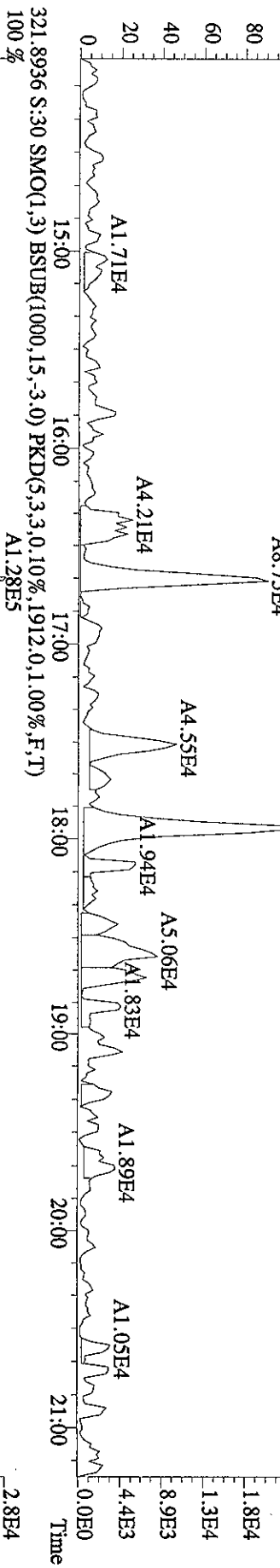
Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	34:24	2.66	n	0.34	84093	5.0	y n
						31574	4.3	y n
	2	34:41	1.11	y	4.85	483716	24.8	y n
						434109	53.2	y n
1,2,3,4,6,7,8-HpCDD	3	35:19	1.01	y	6.26	594285	31.2	y n
						589495	62.7	y n
	4	35:39	5.32	n	0.10	47593	2.4	n n
						8946	1.8	n n

Handwritten mark: 11/11

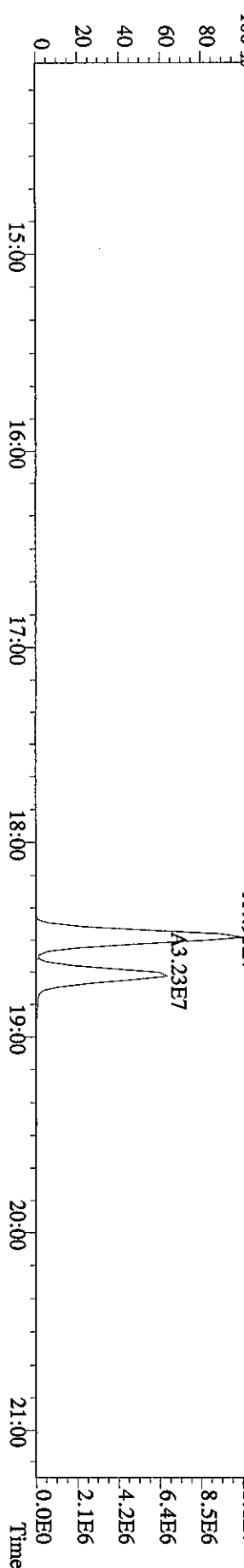
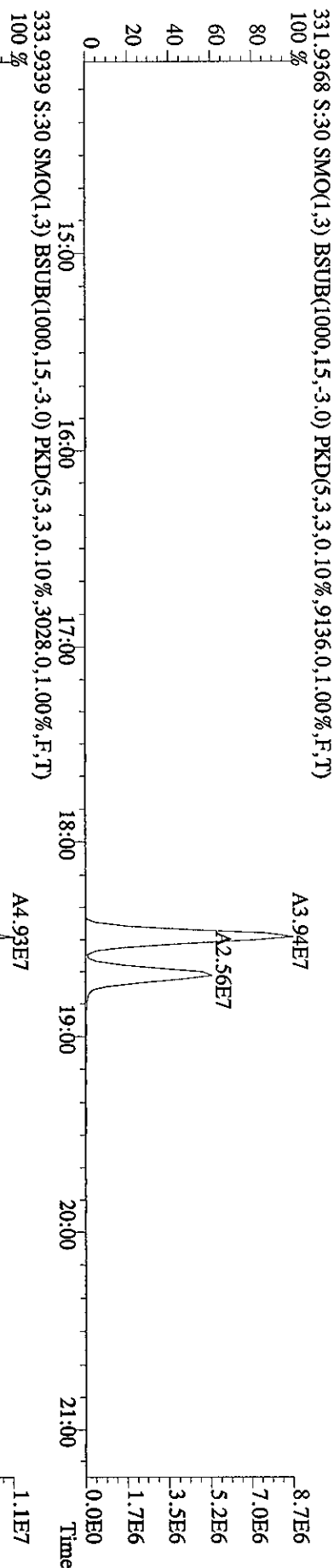
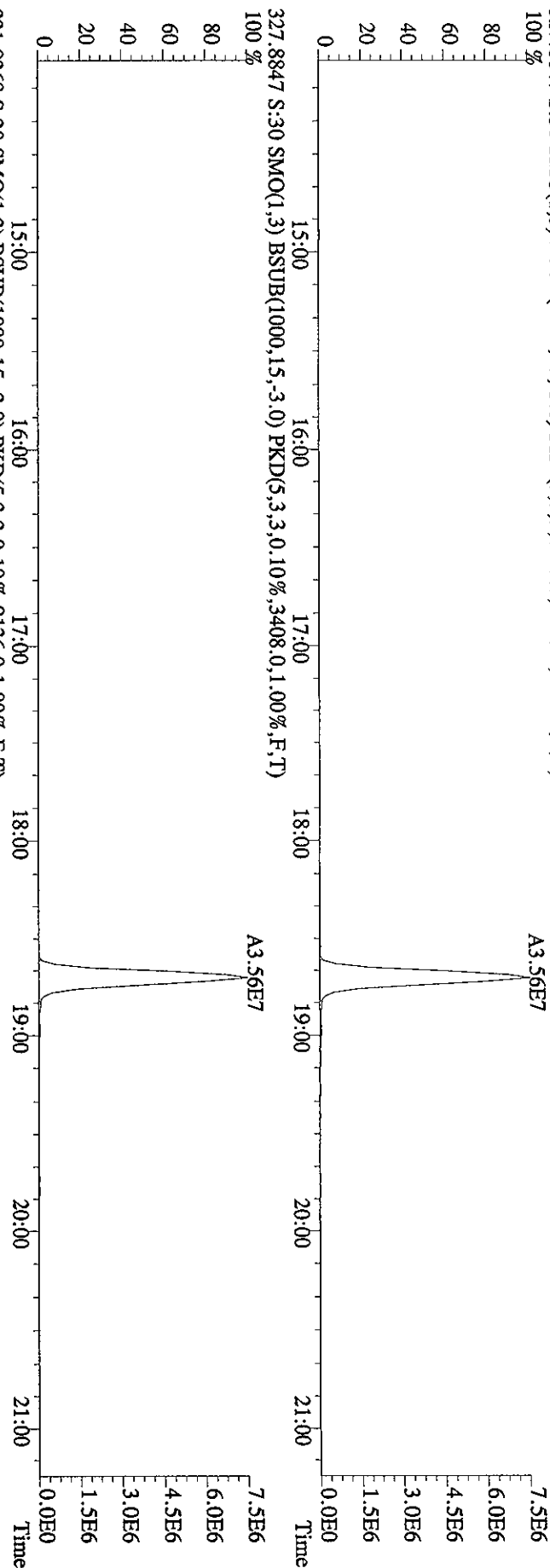
File: 20MR061D5 #1-393 Acq: 21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
Sample#30 Text: H04HL-1-AC :G6C100424-1 Exp: DIOXIN
303.9016 S:30 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2224,0,1,00%,F,T)
100%



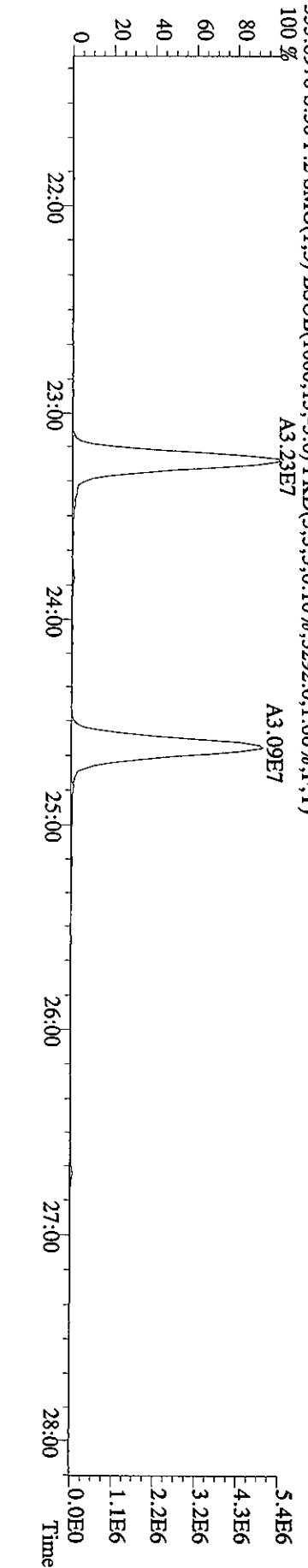
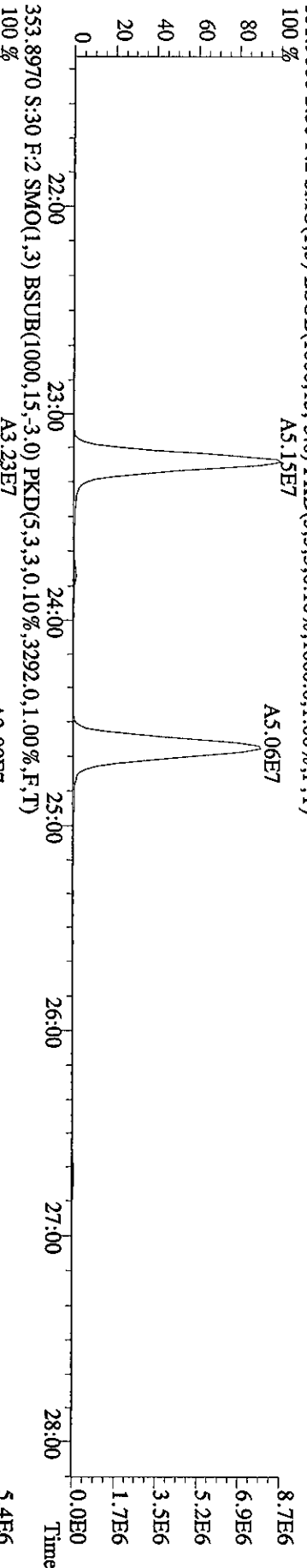
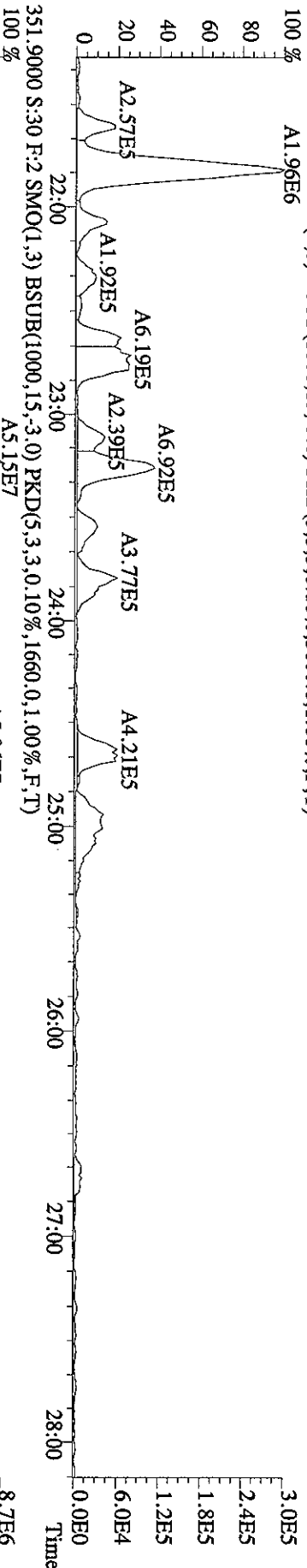
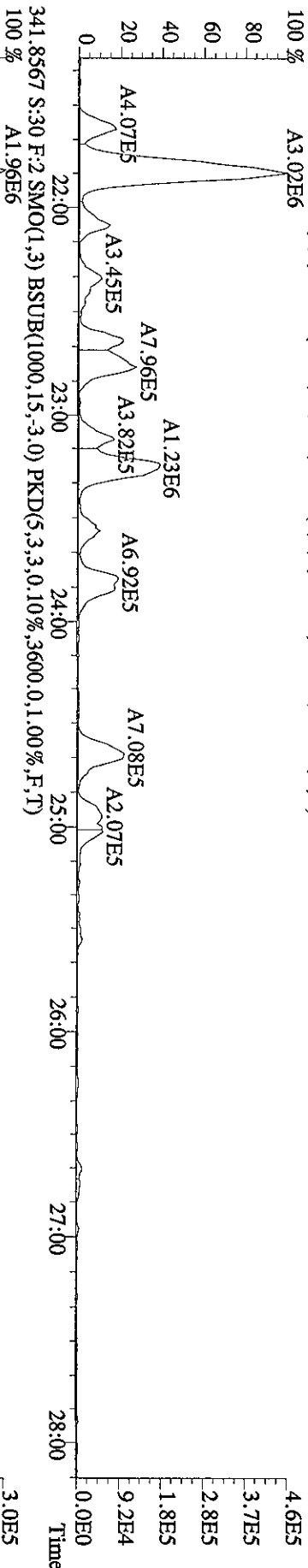
File:20MR061D5 #1-393 Acq:21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp.:DIOXIN
 319.8965 S:30 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2048,0.1,00%,F,T)



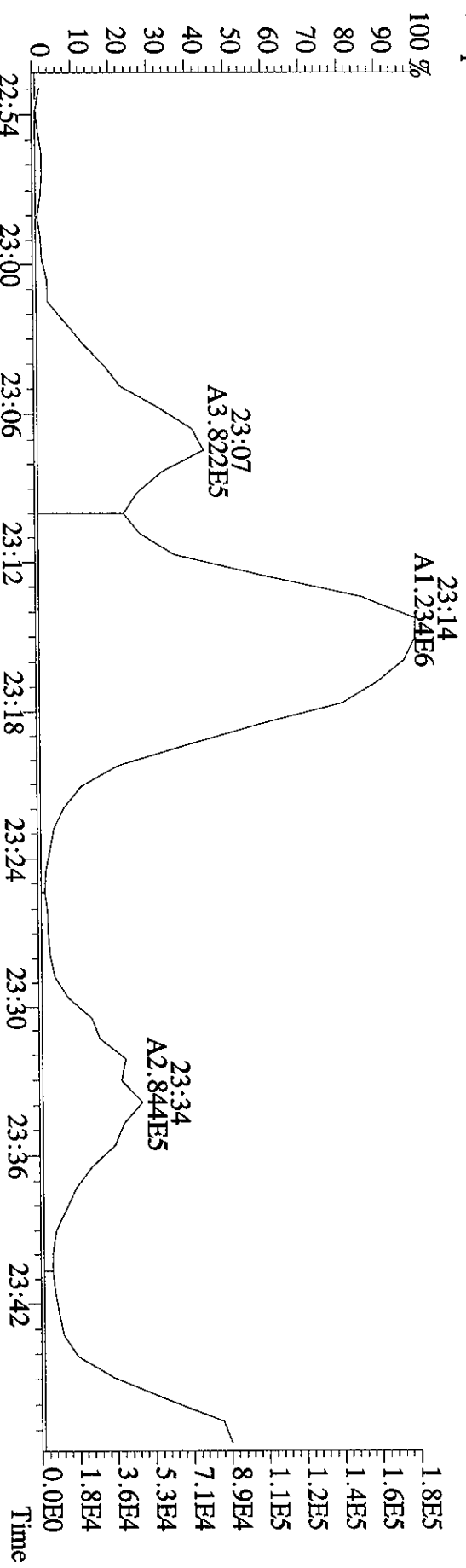
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 Sample#30 Text: H04HL-1-AC : G6C100424-1 Exp: DIOXIN
 327.8847 S:30 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3408,0,1,00%,F,T)
 100 %



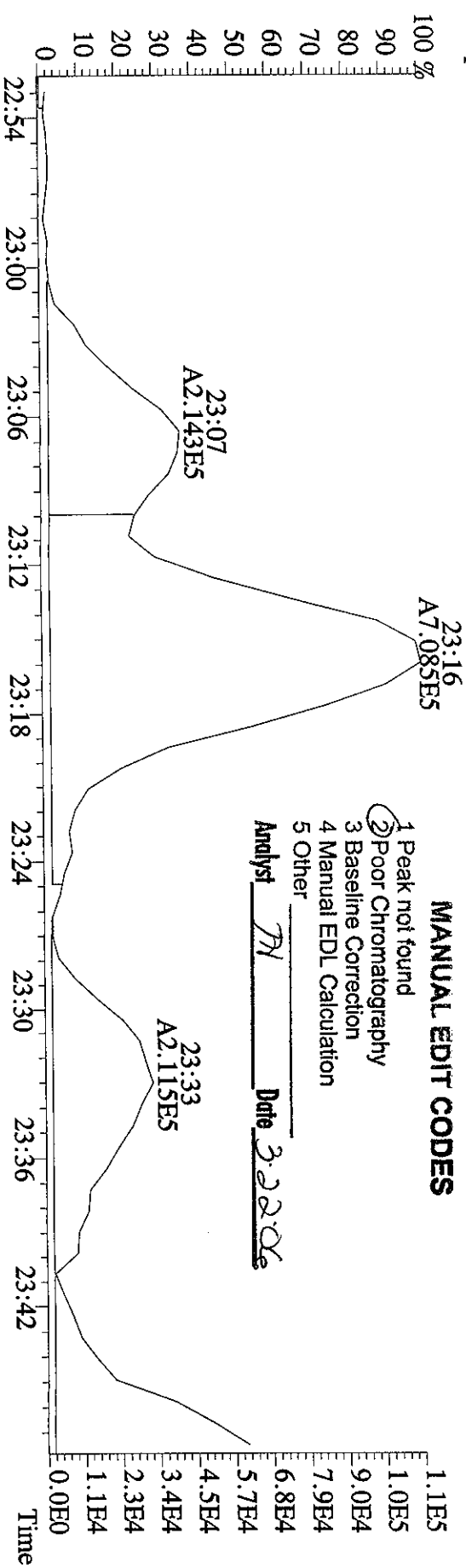
File:20MR061D5 #1-486 Acq:21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
 339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2336,0.1,0.00%,F,T)
 100 % A3.02E6



File:20MR061D5 #1-486 Acq:21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
 339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2336.0,1.00%,F,T) Exp:DIOXIN Noi>
 Sample Text:H04HL-1-AC :G6C100424-1



File:20MR061D5 #1-486 Acq:21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
 341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3600.0,1.00%,F,T) Exp:DIOXIN Noi>
 Sample Text:H04HL-1-AC :G6C100424-1

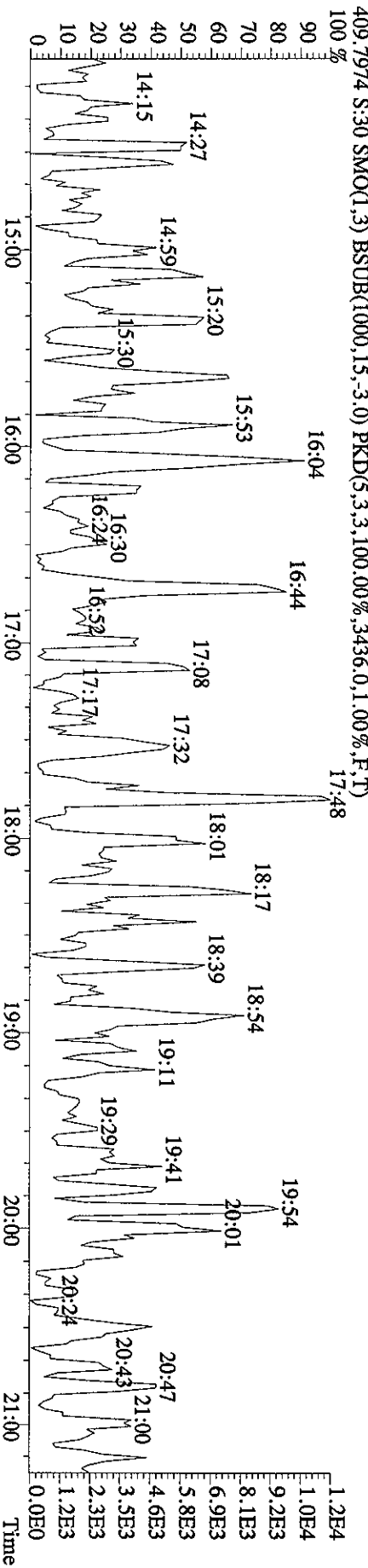
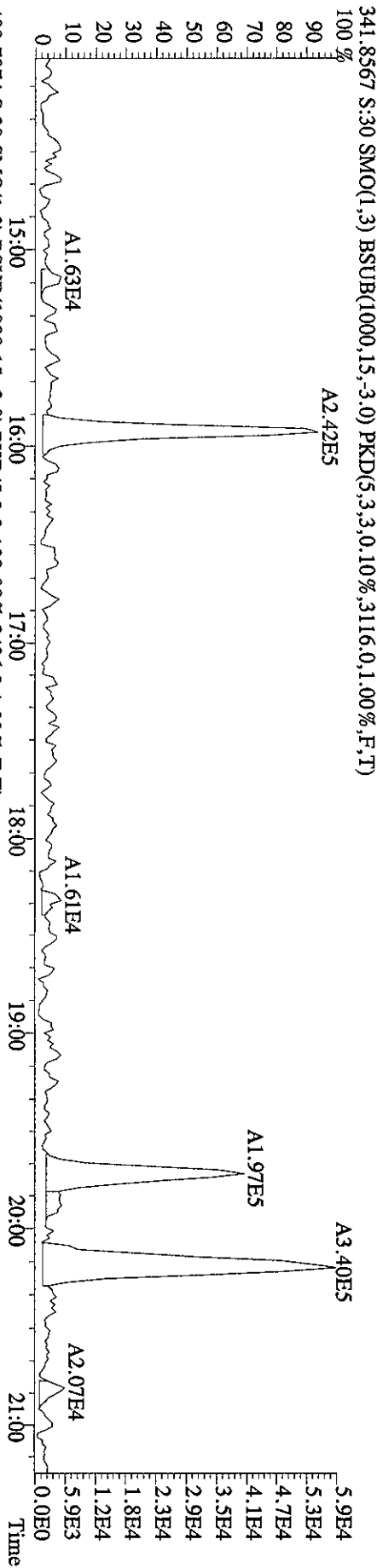
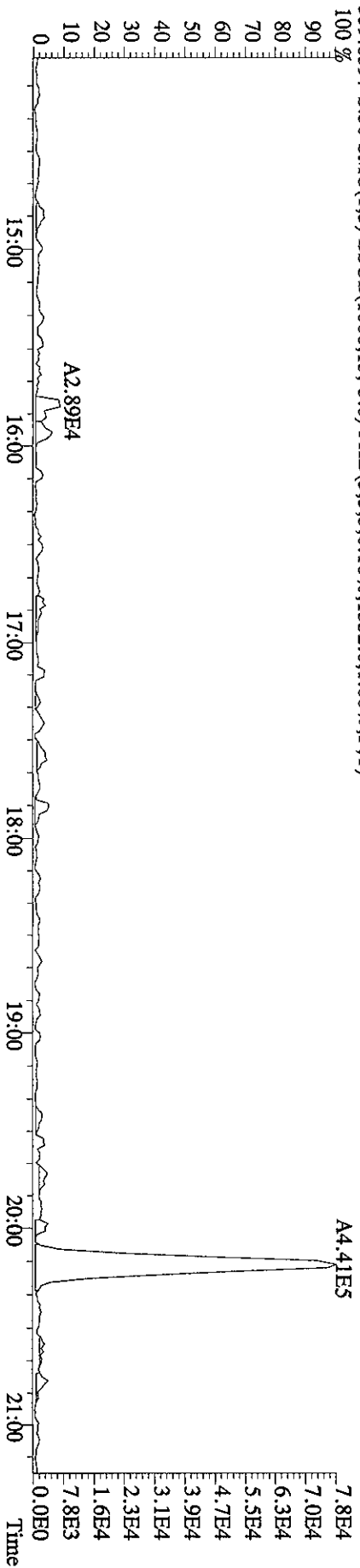


MANUAL EDIT CODES

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

Analyst PN Date 3.22.06

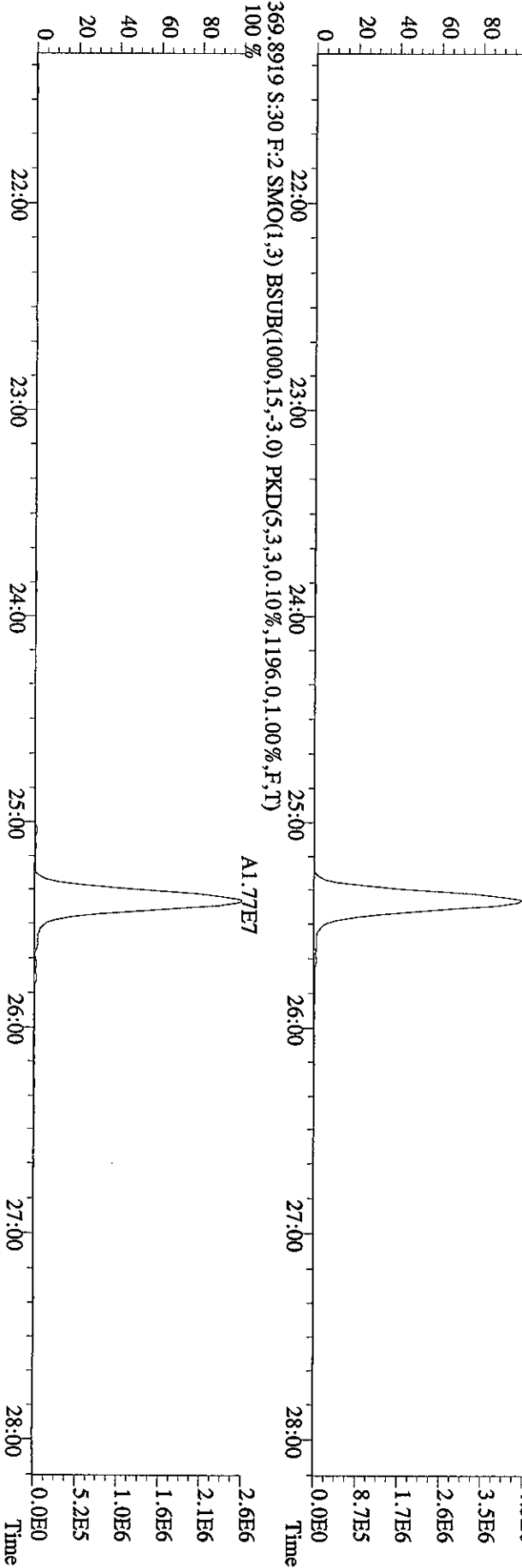
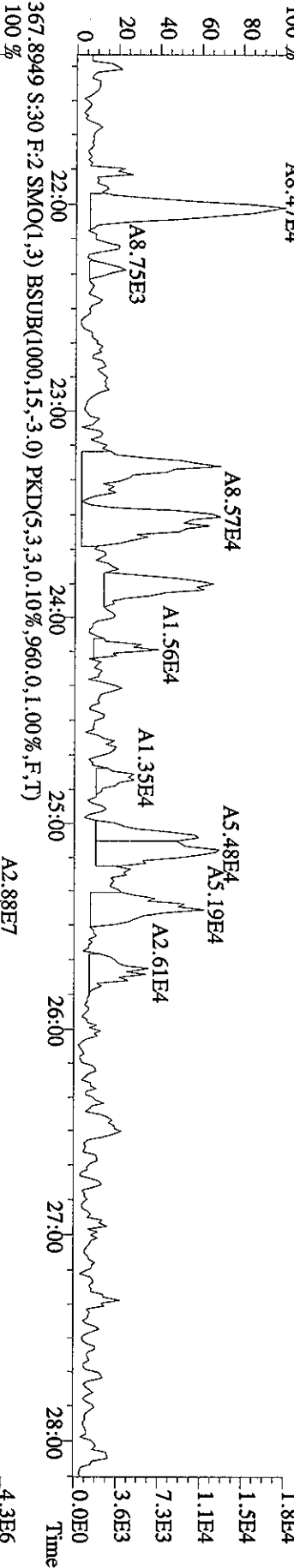
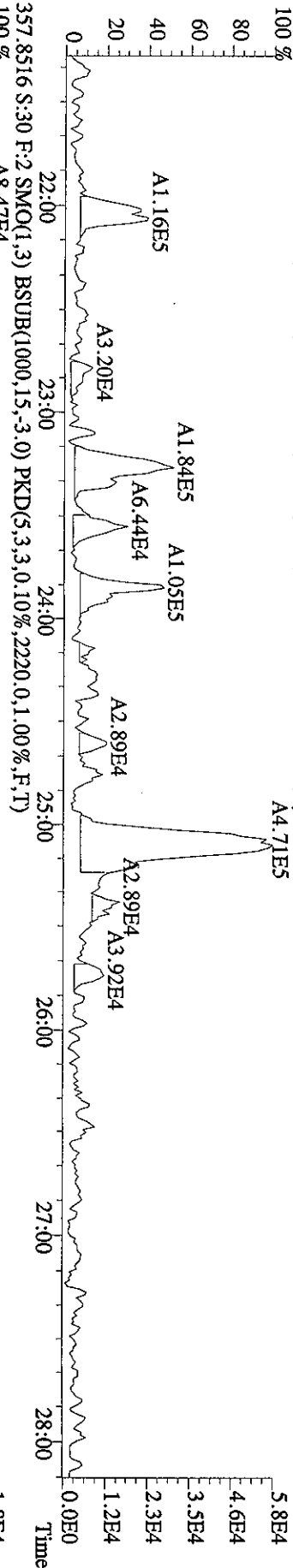
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 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
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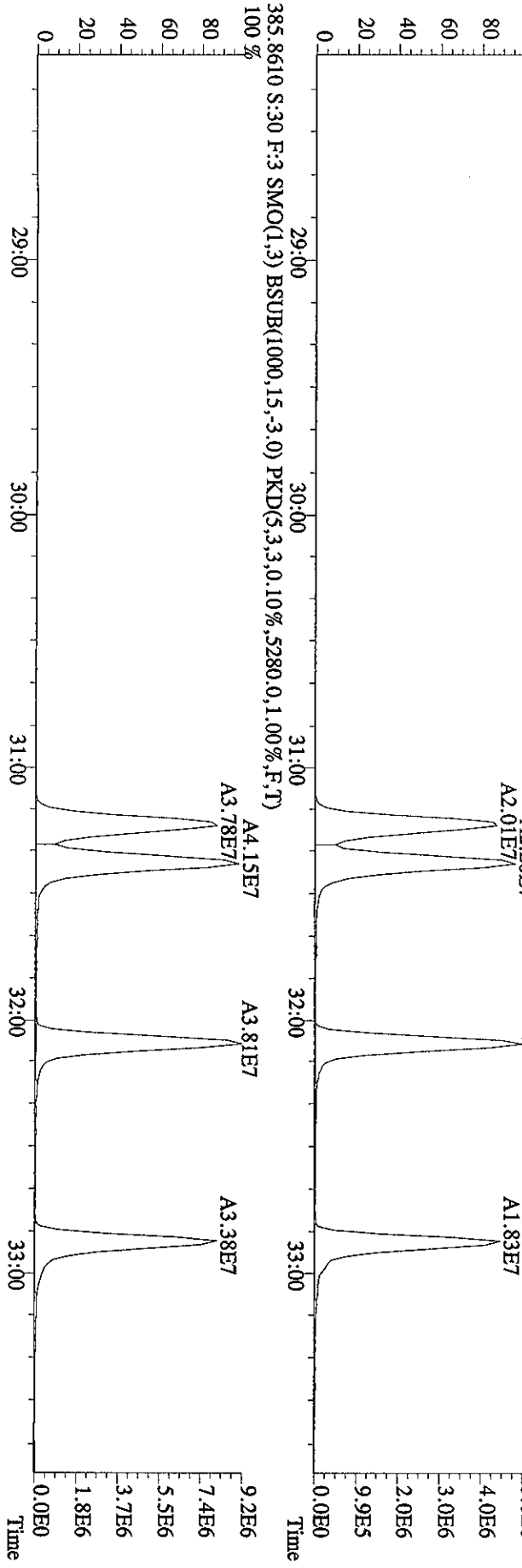
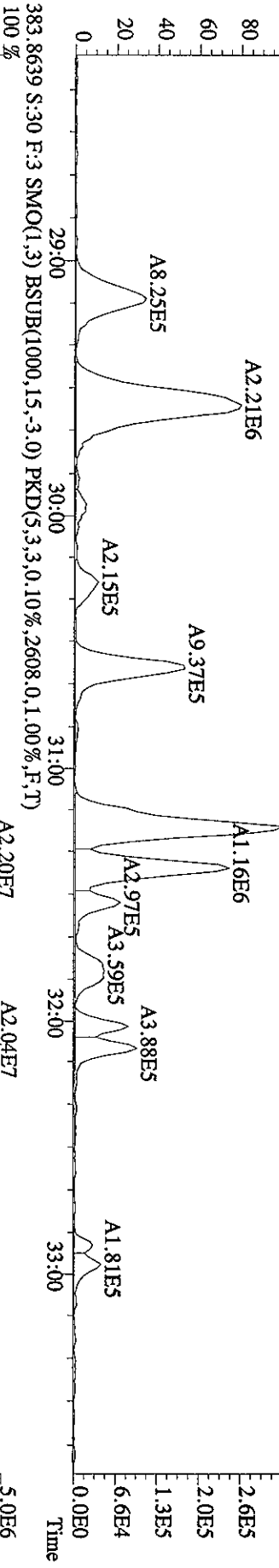
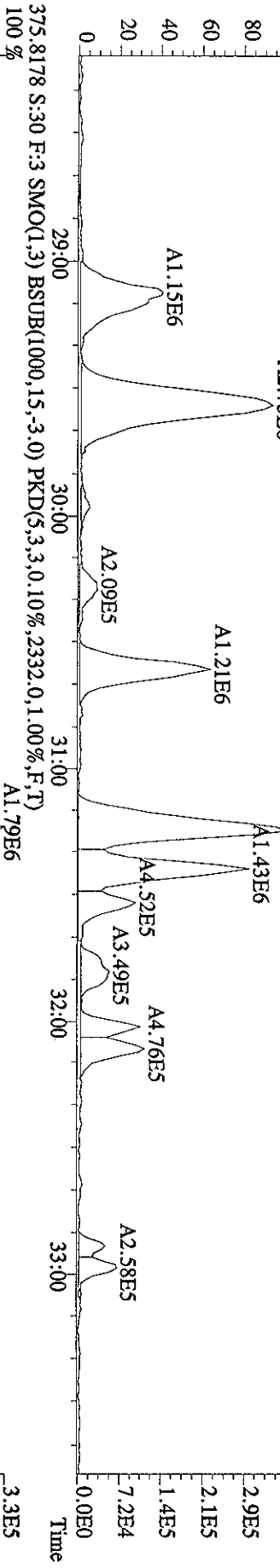
File:20MR061D5 #1-486 Acq:21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE

Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:JDIOXIN

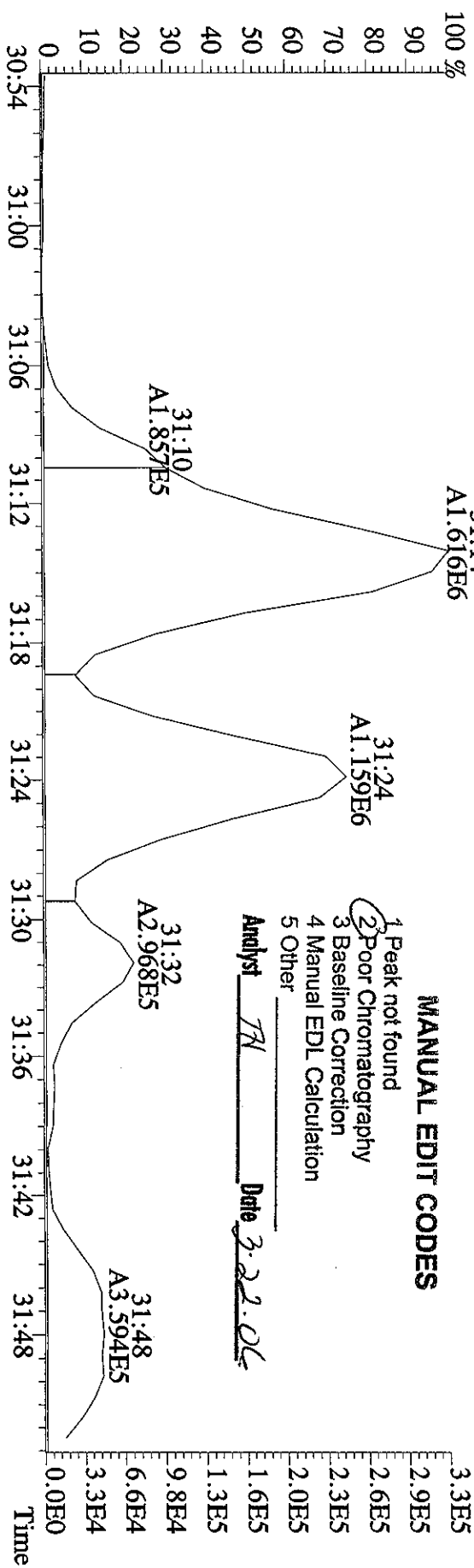
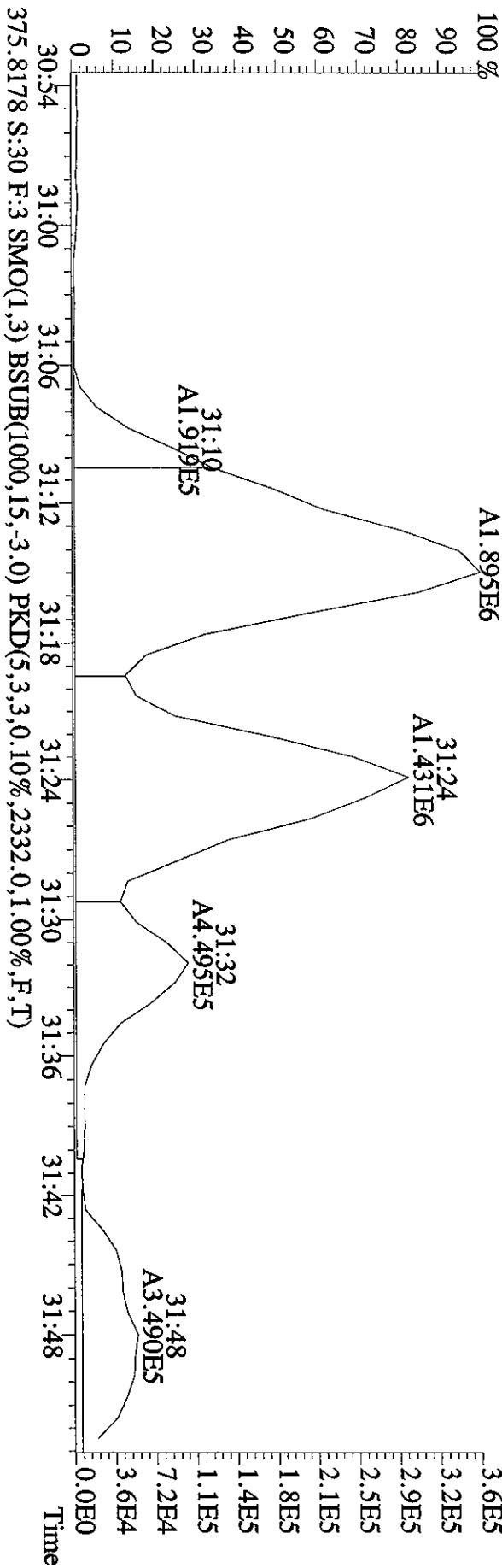
355.8546 S:30 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4808,0,1,00%,F,T)



File:20MR061D5 #1-376 Acq:21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
 373.8208 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4876,0,1,00%,F,T)
 100%



File: 20MR061D5 #1-376 Acq: 21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE
 Sample#30 Text: H04HL-1-AC : G6C100424-1 Exp: DIOXIN
 373.8208 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4876.0,1.00%,F,T)

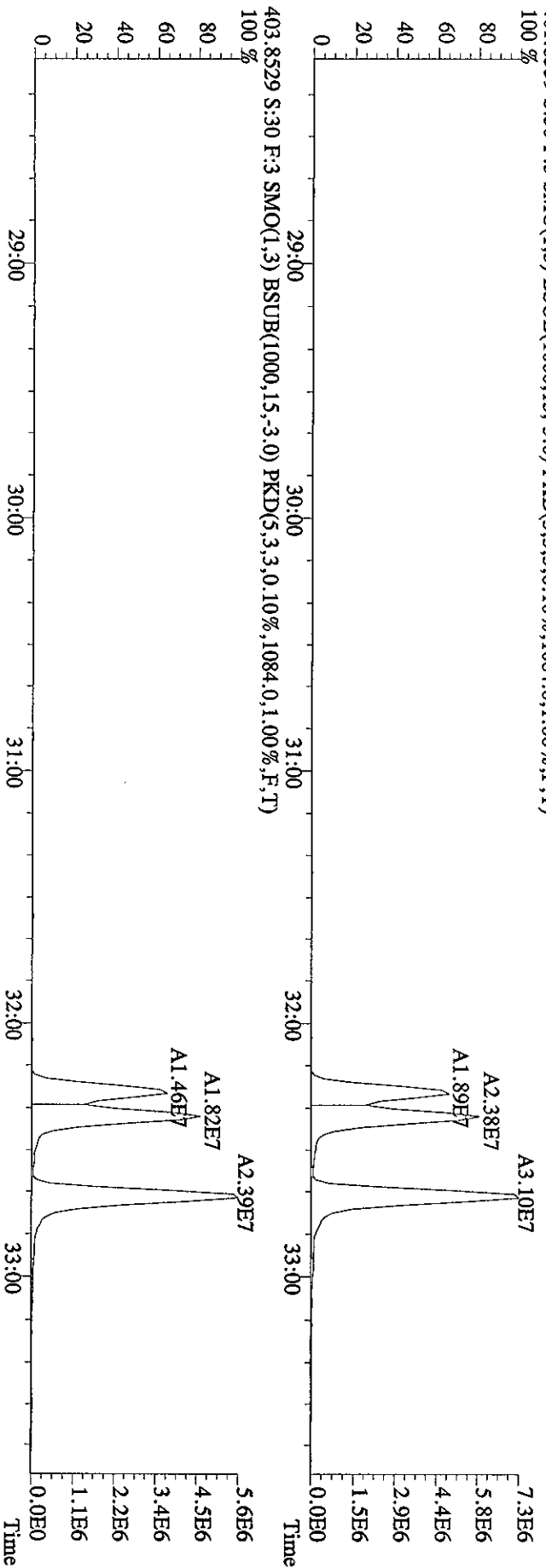
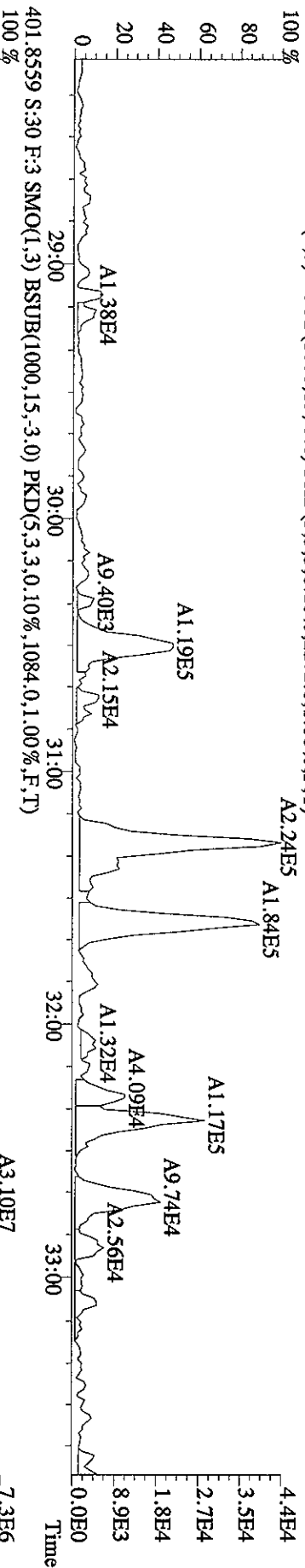
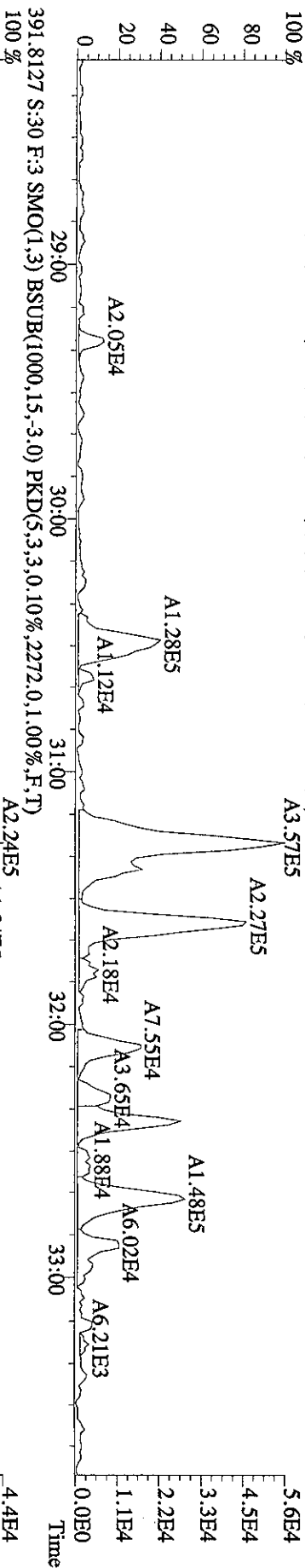


MANUAL EDIT CODES

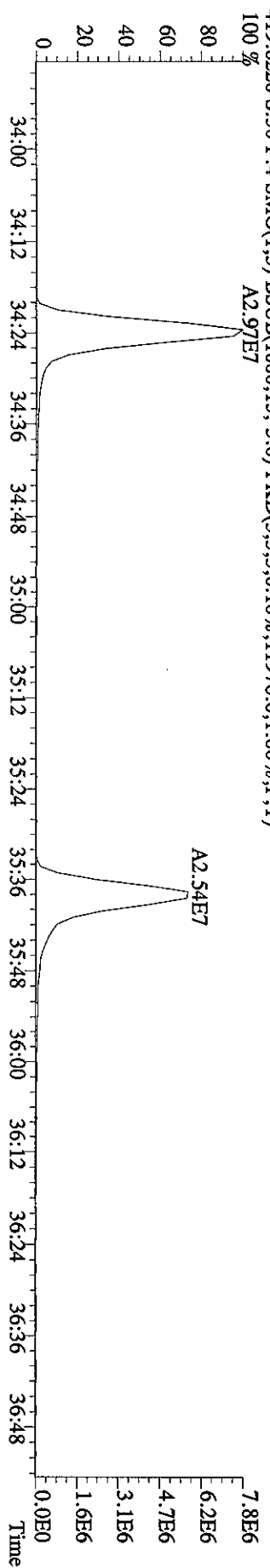
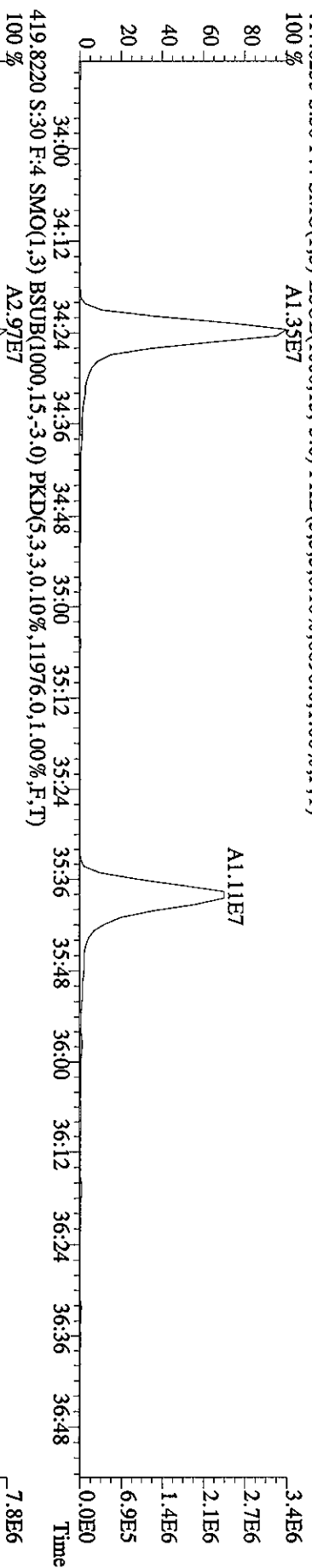
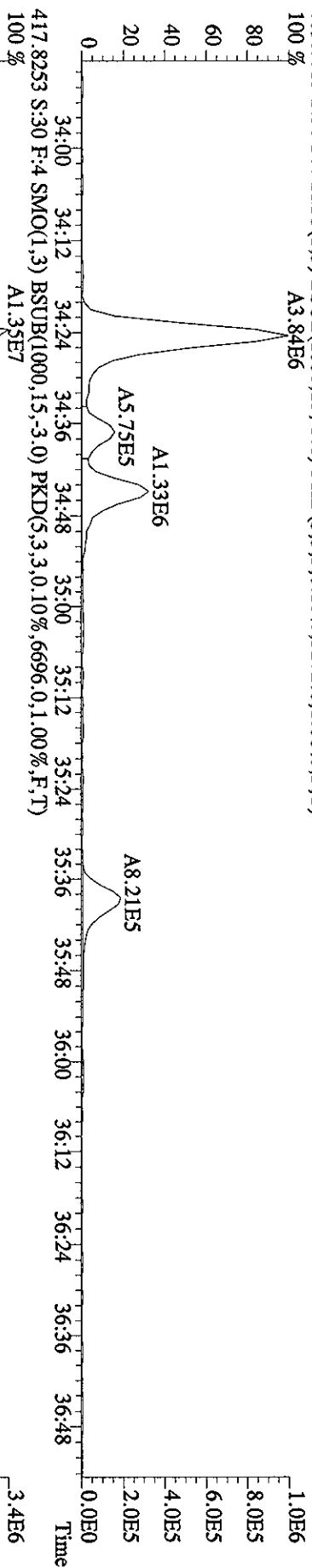
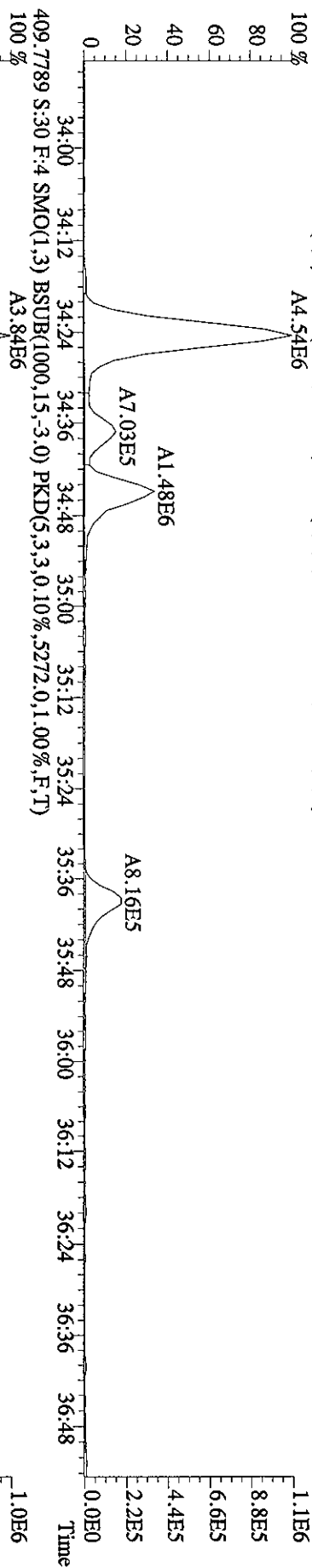
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst TR Date 3-22-06

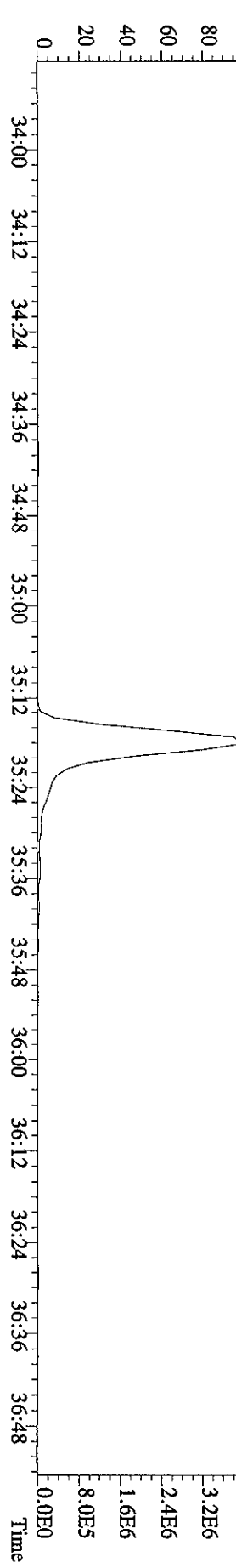
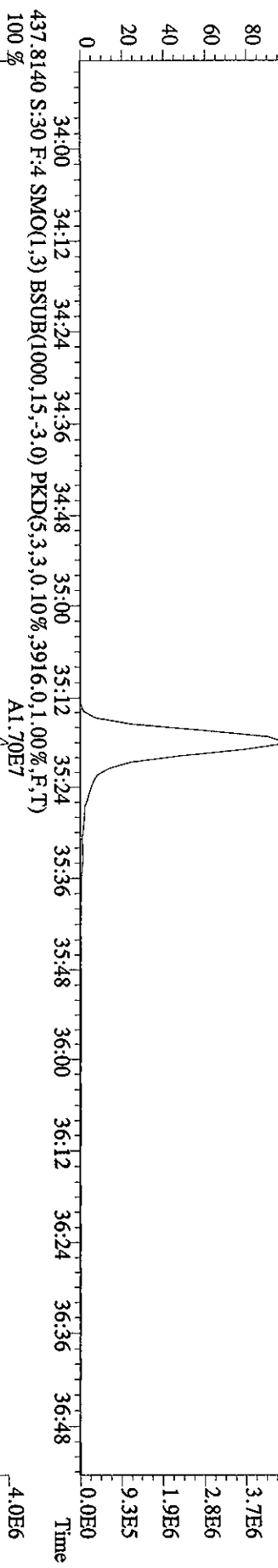
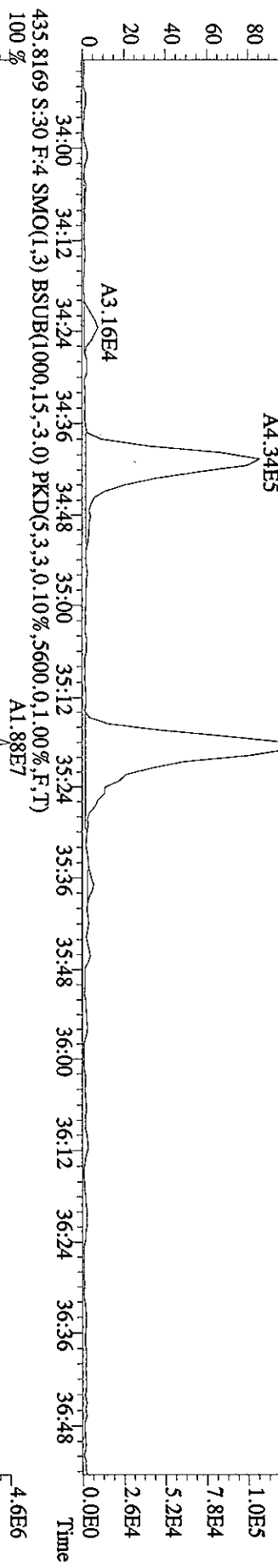
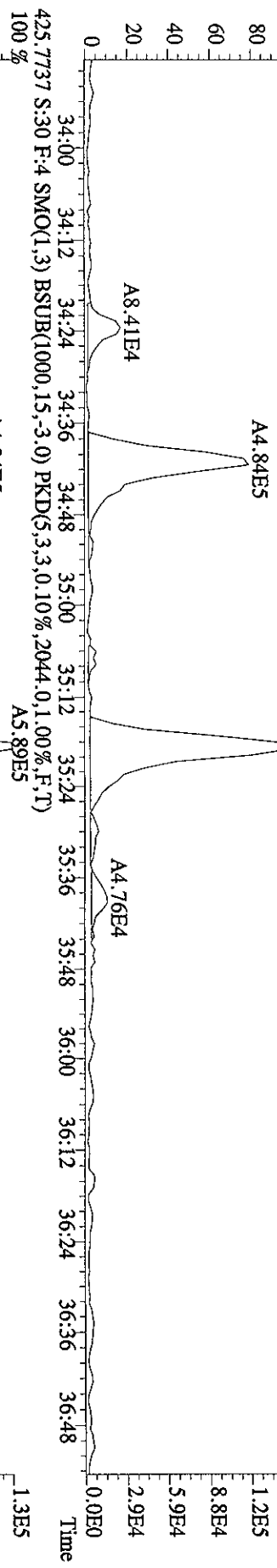
File:20MR061D5 #1-376 Acq:21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
 389.8157 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1840,0.1,00%,F,T)
 100%



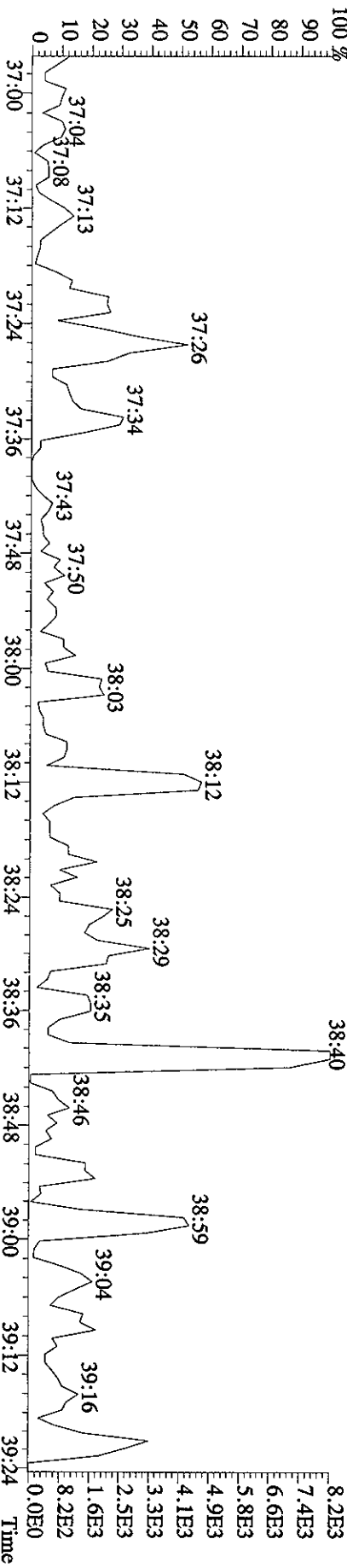
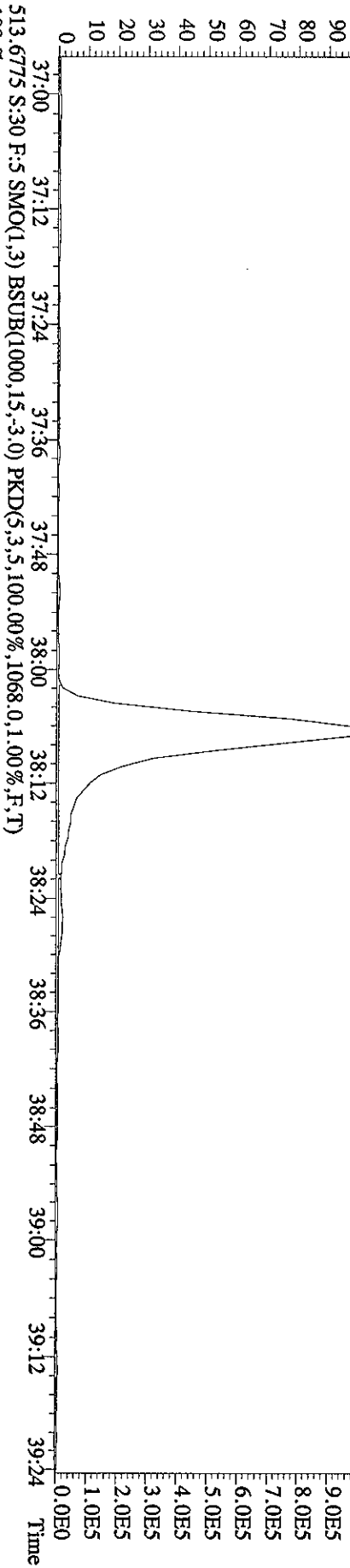
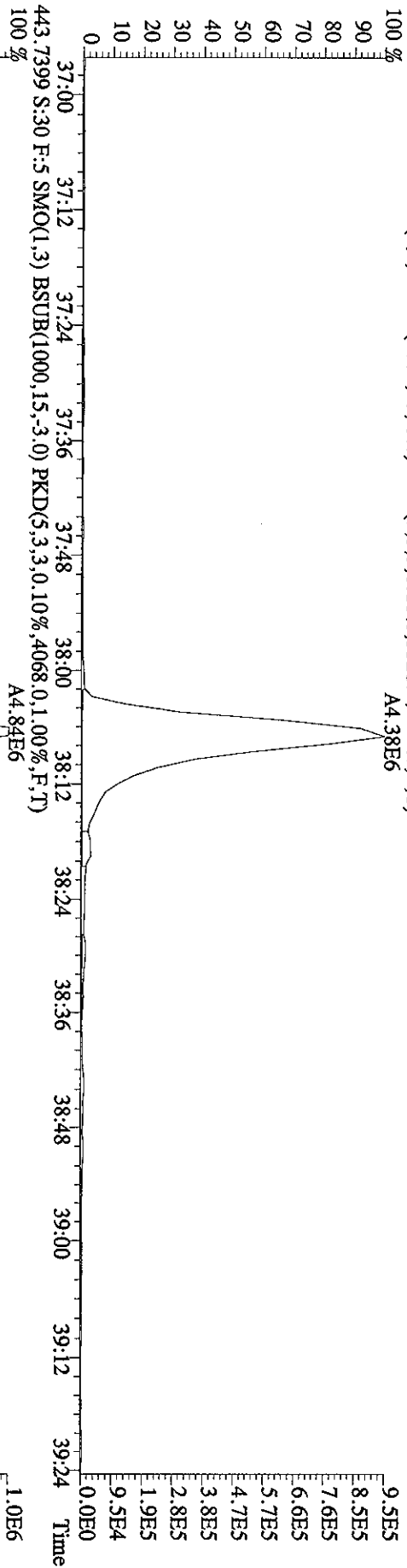
File:20MR061D5 #1-219 Acq:21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
 407.7818 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6928,0,1,00%,F,T)
 100% A4.54E6



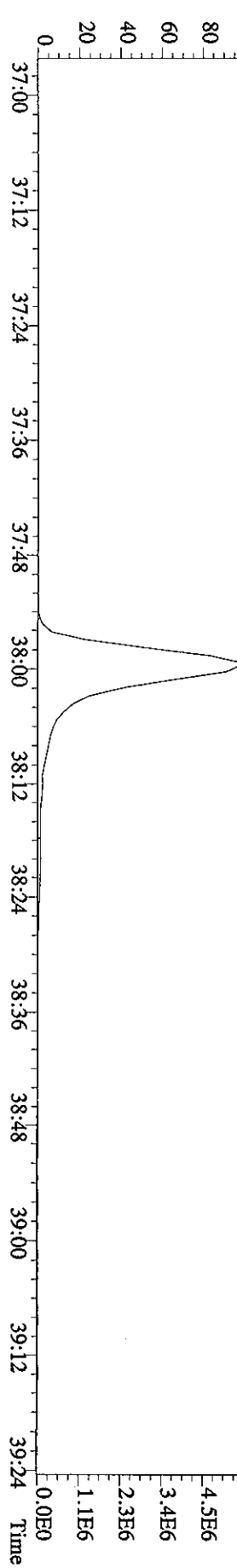
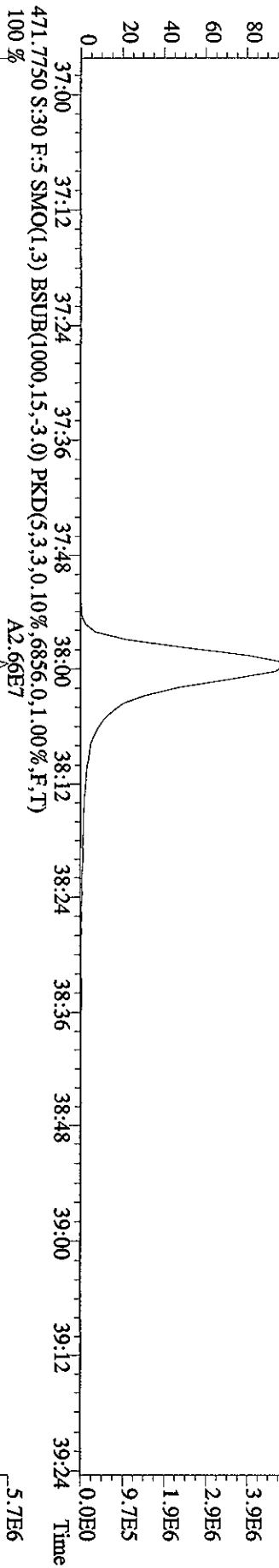
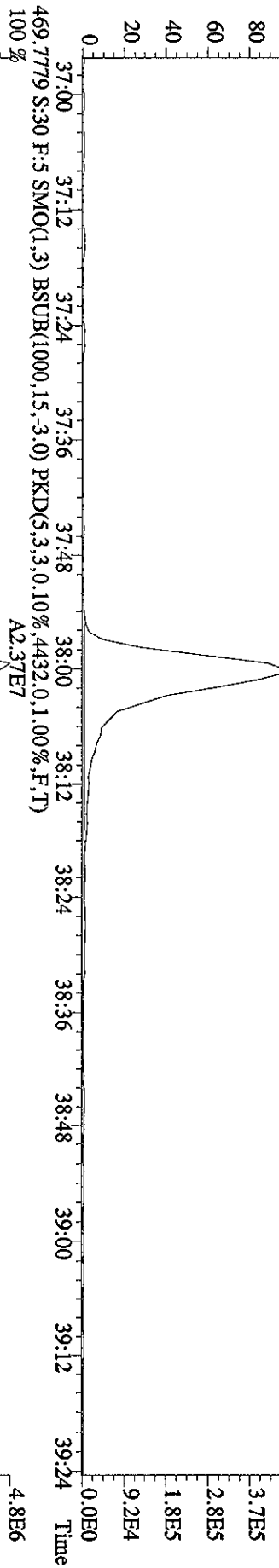
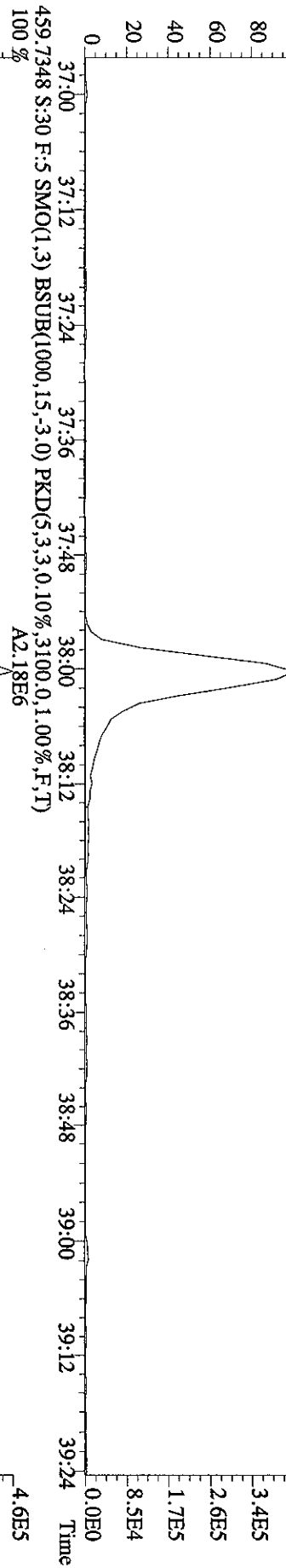
File:20MR061D5 #1-219 Acq:21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
 423.7766 S:30 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4596.0,1.00%,F,T)
 100%



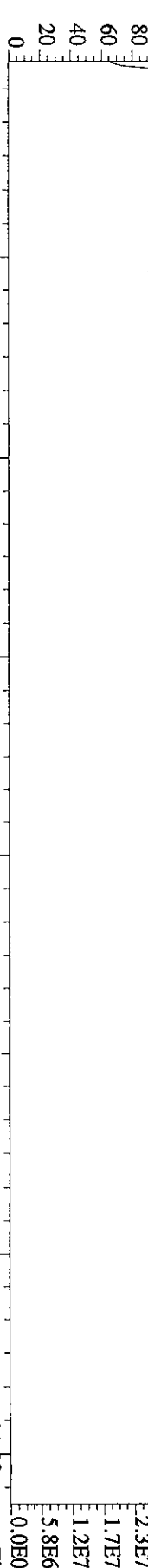
File: 20MR061D5 #1-179 Acq: 21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
 Sample#30 Text: H04HL-1-AC : G6C100424-1 Exp: DIOXIN
 441.7428 S:30 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3328,0.1,00%,F,T)
 100% A4.38E6



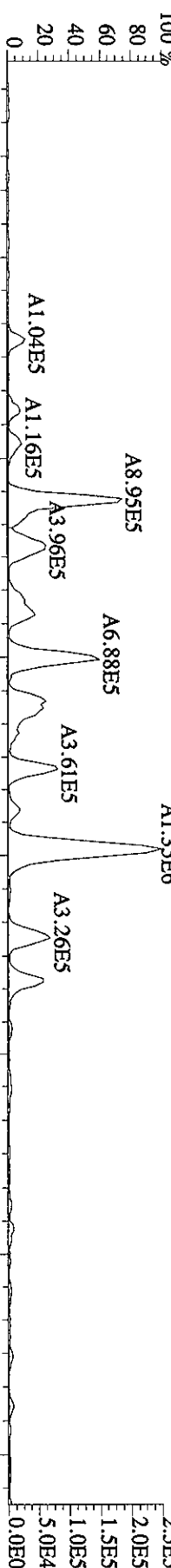
File:20MR061D5 #1-179 Acq:21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
 457.7377 S:30 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1892,0,1.00%,F,T)
 100% A2.06E6



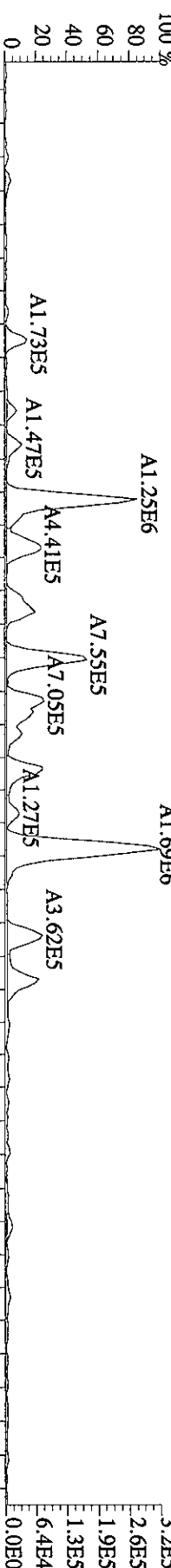
292.9825 S:30 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T) 18:03



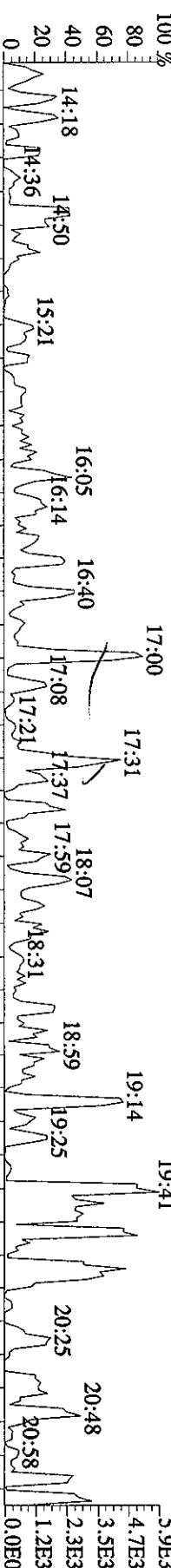
303.9016 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2224.0,1.00%,F,T)



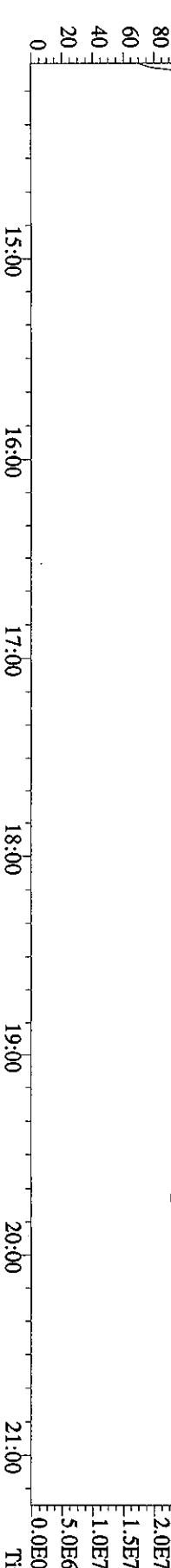
305.8987 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)



375.8364 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,952.0,1.00%,F,T)



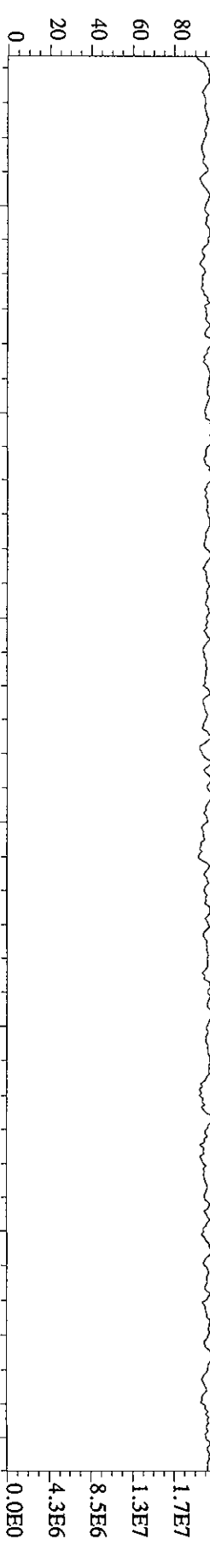
330.9792 S:30 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



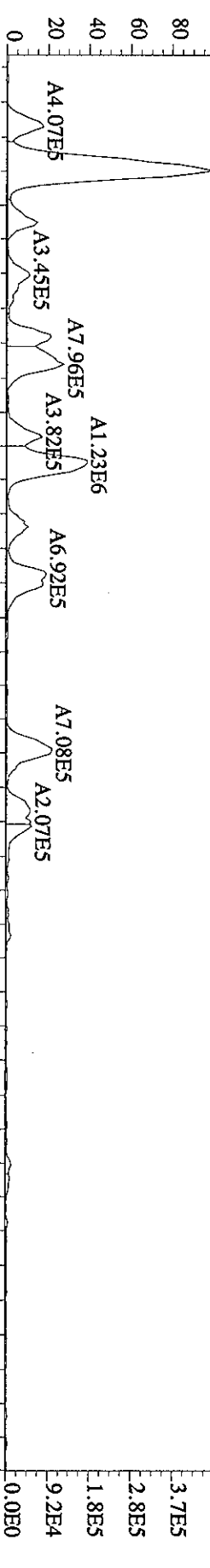
File:20MR061D5 #1-486 Acq:21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE

Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN

342.9792 S:30 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 21:35 22:09 22:39 23:08 23:42 24:06 24:28 24:52 25:26 25:57 26:26 27:06 27:37



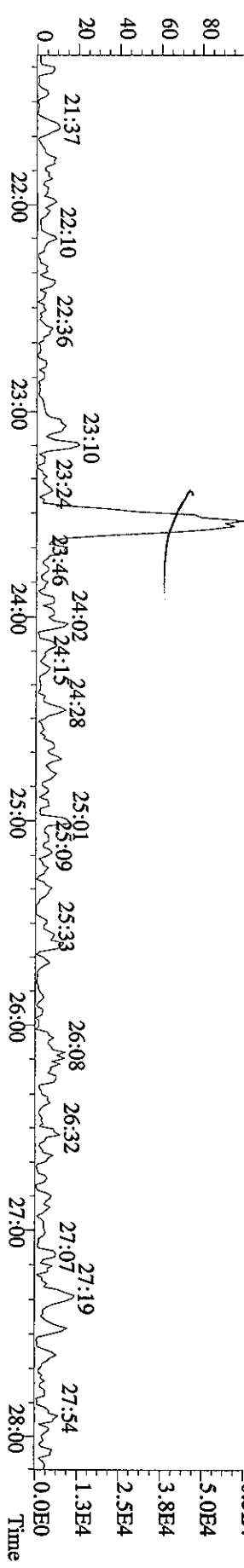
339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2336,0.1,0.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00



341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3600,0.1,0.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00



409.7974 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3996,0.1,0.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00

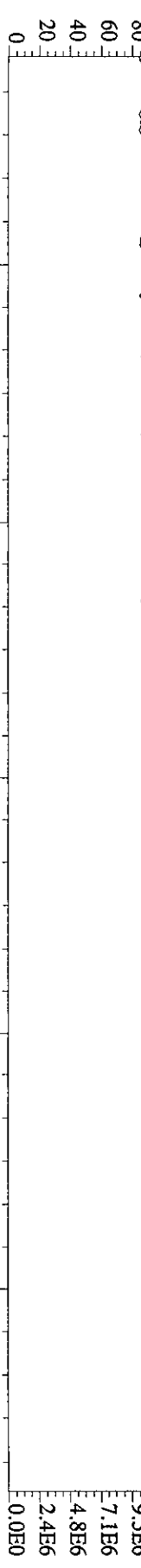


File:20MR061D5 #1-376 Acq:21-MAR-2006 06:41:00 GC EI + Voltage SIR 70SE

Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN

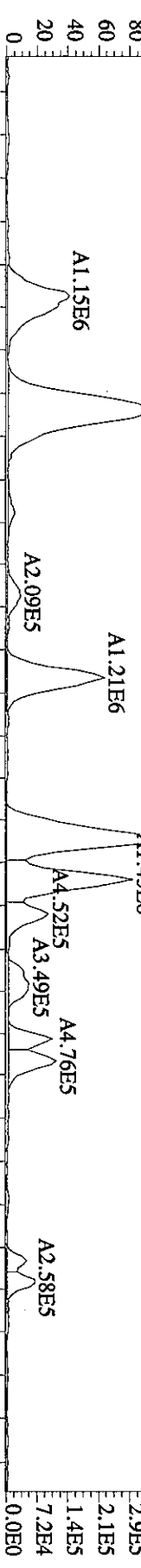
392.9760 S:30 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

100% 28:22 28:45 29:03 29:37 30:12 30:29 30:45 31:08 31:26 31:51 32:21 32:52 33:11 33:40



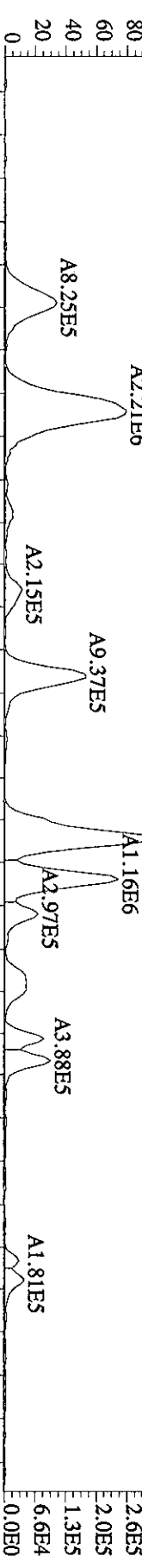
373.8208 S:30 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4876,0,1,00%,F,T)

100% 29:00 29:20 29:56 30:25 30:47 31:04 31:13 31:27 31:45 31:57 32:20 32:46 33:05 33:13 33:22 33:28



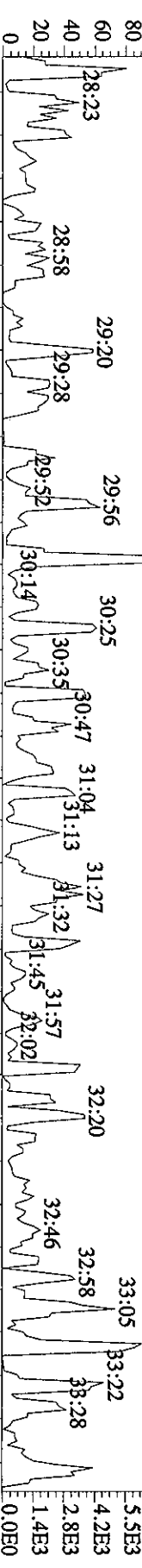
375.8178 S:30 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2332,0,1,00%,F,T)

100% 29:00 29:20 29:56 30:25 30:47 31:04 31:13 31:27 31:45 31:57 32:20 32:46 33:05 33:13 33:22 33:28



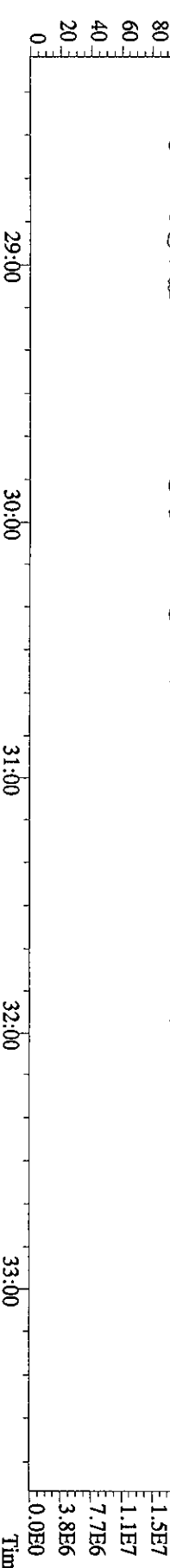
445.7555 S:30 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,1,372,0,1,00%,F,T)

100% 28:23 28:58 29:20 29:28 29:52 30:14 30:25 30:35 30:47 31:04 31:13 31:27 31:32 31:45 31:57 32:02 32:20 32:46 33:05 33:13 33:22 33:28



380.9760 S:30 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

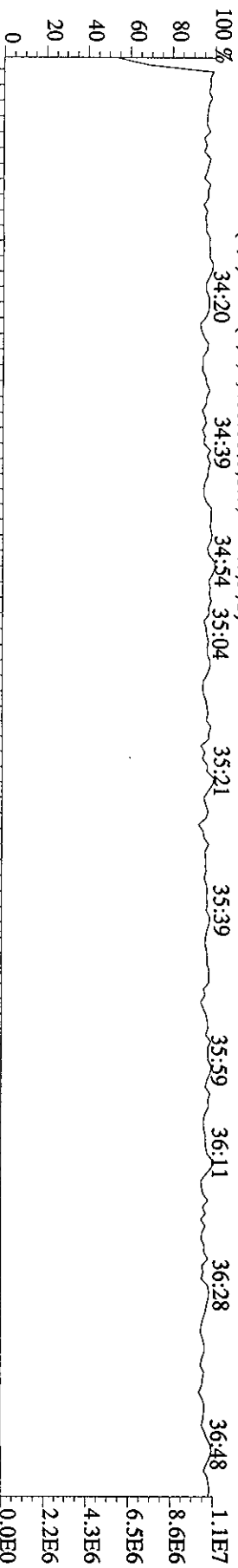
100% 28:23 28:46 29:24 29:44 30:17 30:35 30:54 31:20 31:52 32:23 32:44 33:09 33:33



Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN

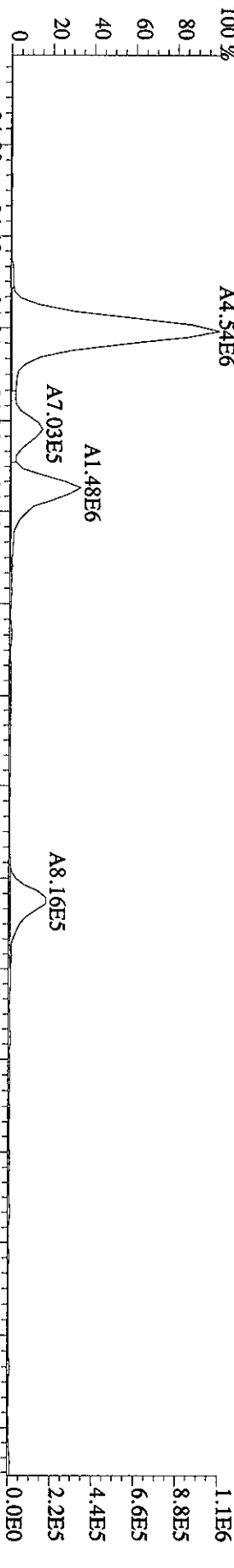
430.9728 S:30 F:4 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100% 34:20 34:39 34:54 35:04 35:21 35:39 35:59 36:11 36:28 36:48



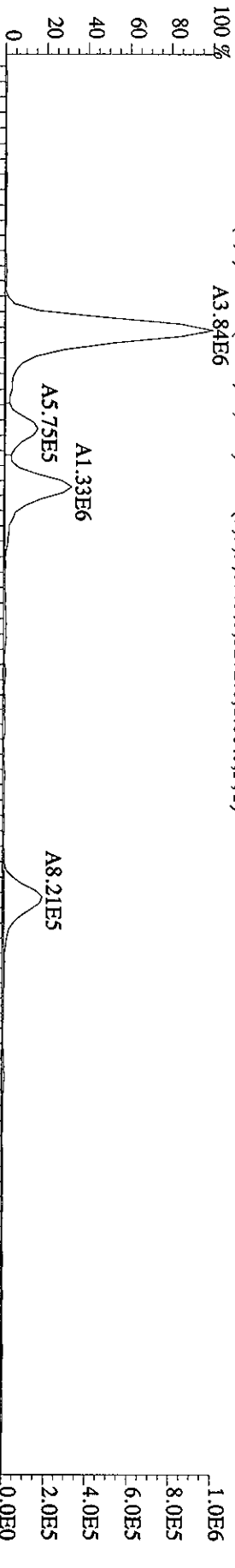
407.7818 S:30 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,6928,0,1.00%,F,T)

100% A4.54E6



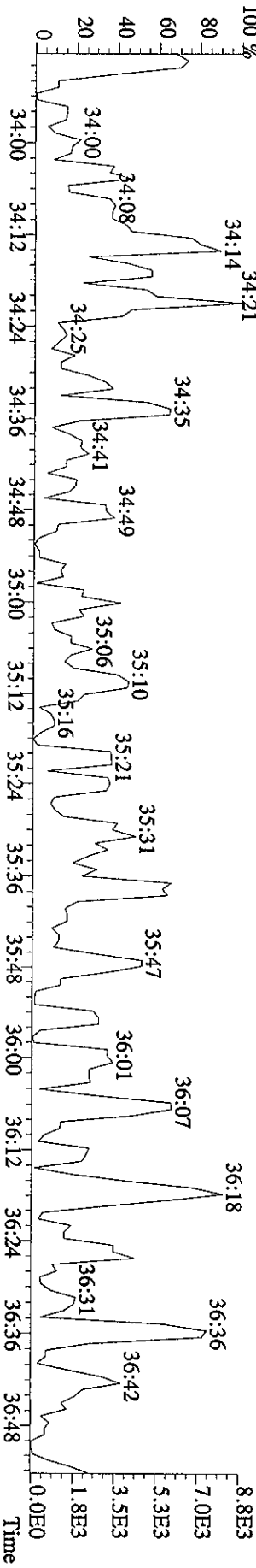
409.7789 S:30 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,5272,0,1.00%,F,T)

100% A3.84E6

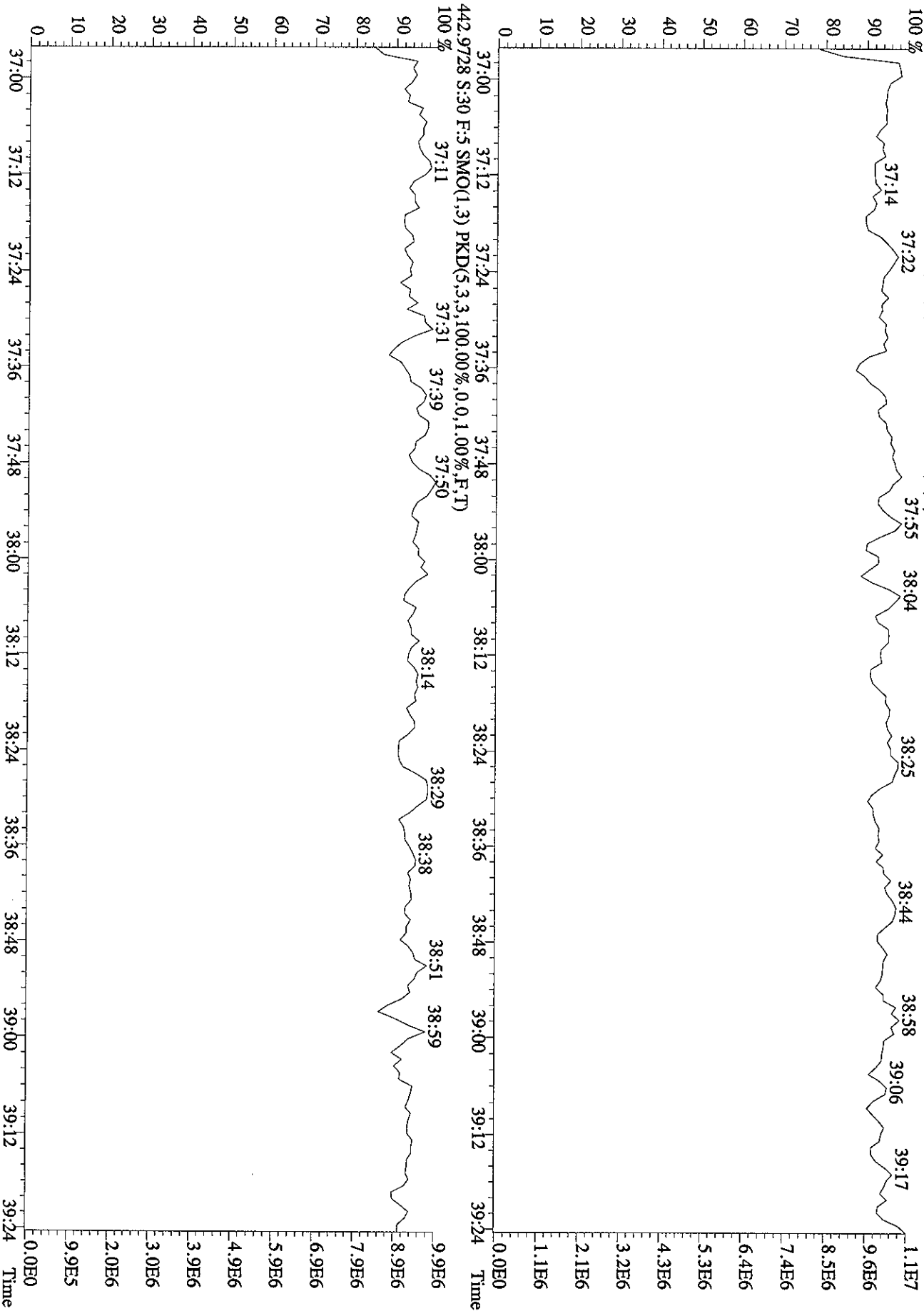


479.7165 S:30 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,2192,0,1.00%,F,T)

100% A1.33E6



File:20MMR061D5 #1-179 Acq:21-MAR-2006 06:41:00 GC EI+ Voltage SIR 70SE
 Sample#30 Text:H04HL-1-AC :G6C100424-1 Exp:DIOXIN
 454.9728 S:30 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

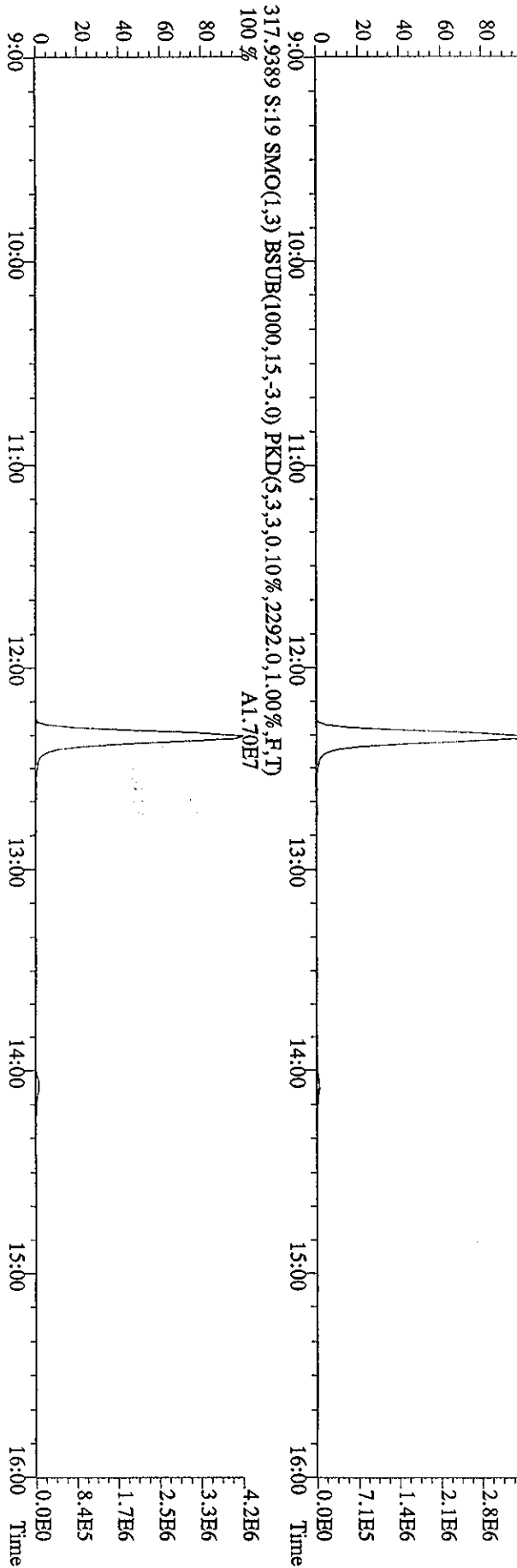
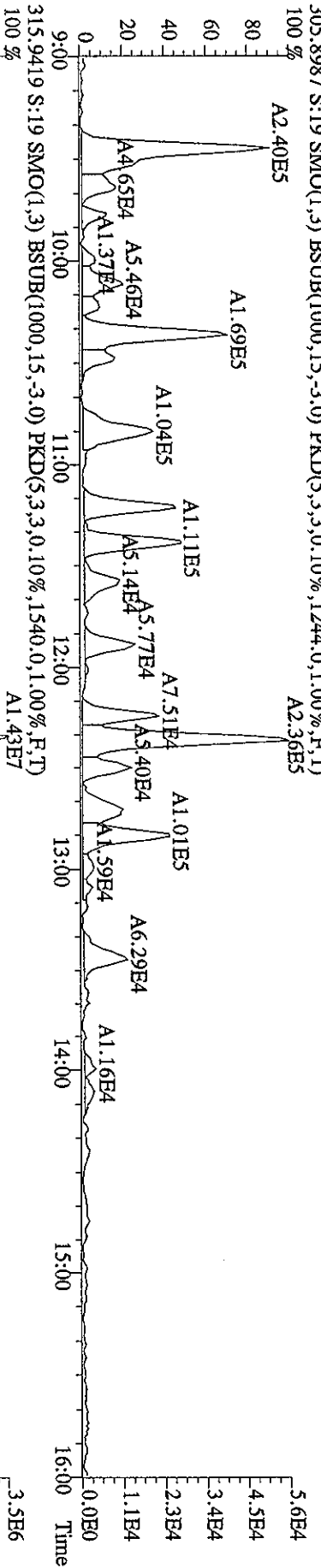
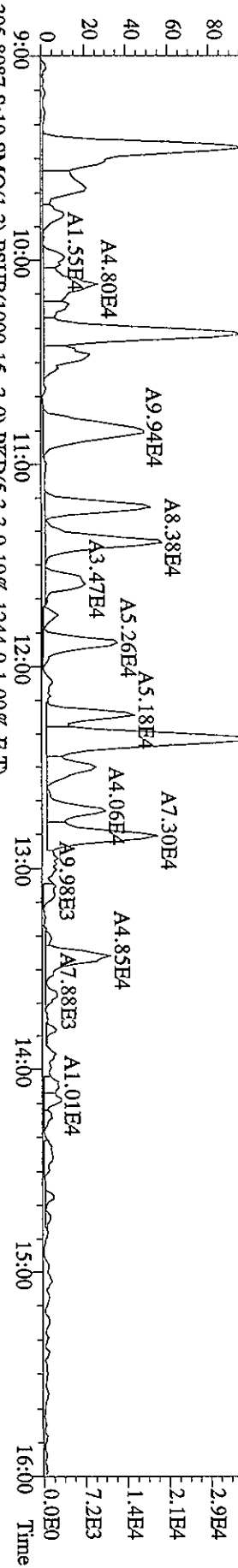


Run text: H04HL-1-AC Sample text: H04HL-1-AC :G6C100424-1
 Run #22 Filename: 19MR067D2 S: 19 I: 1 Results: 19MR067D2DB225
 Acquired: 19-MAR-06 22:01:32 Processed: 20-MAR-06 08:17:56
 Run: 19MR067D2 Analyte: DB225 Cal: DB2250915057D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00007g

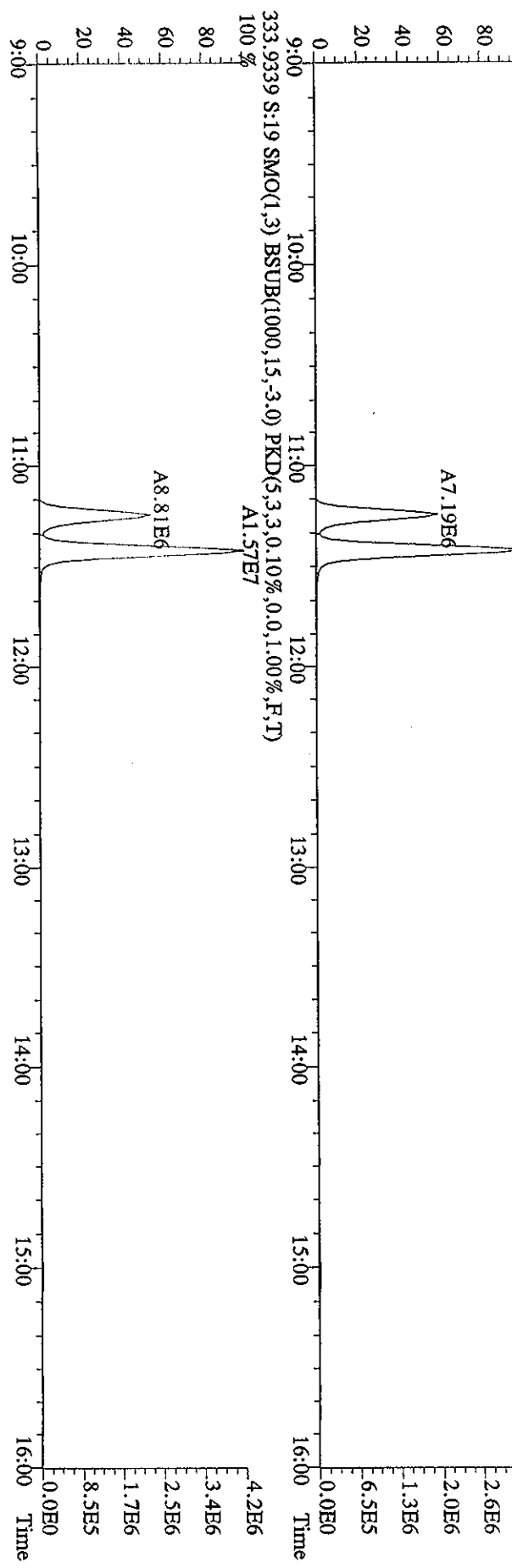
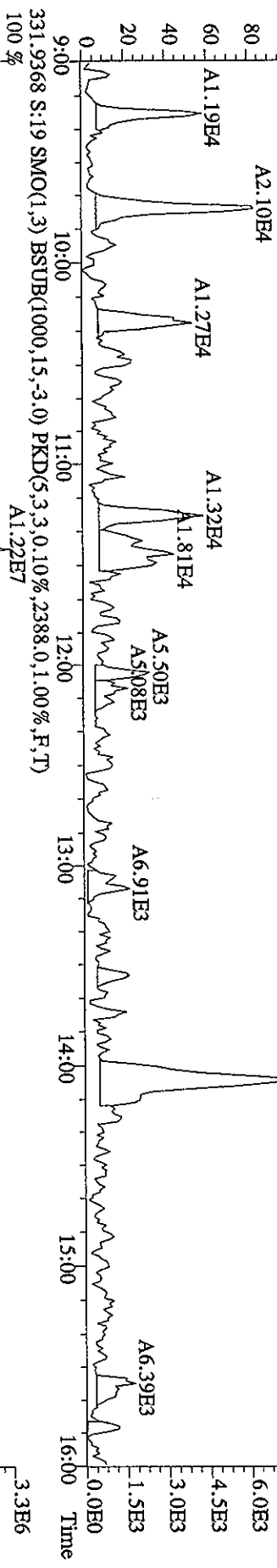
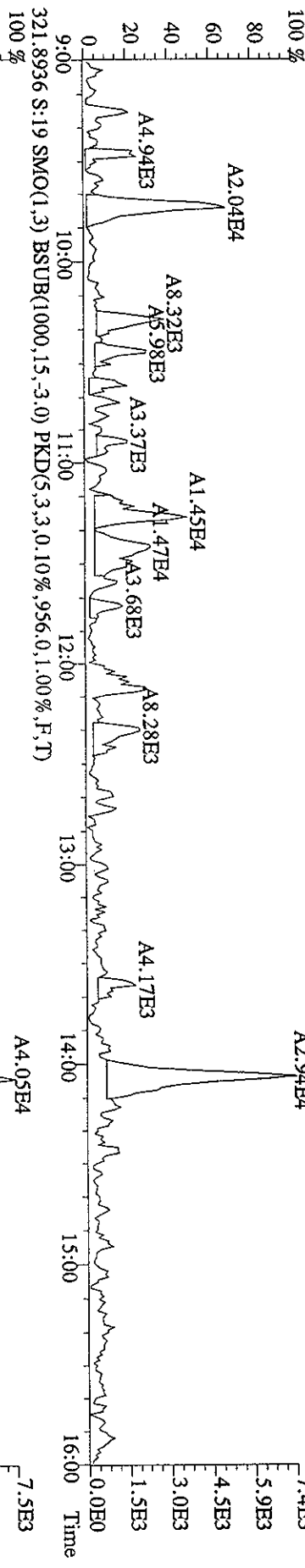
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	27937600	0.78 y	11:25	-	1.43	-	-	n
13C-2,3,7,8-TCDF	31318700	0.84 y	12:20	1.50	149.96	0.20	75.0	n
2,3,7,8-TCDF	396669	0.68 y	12:22	0.92	2.76 <i>levy</i>	0.19	-	n
13C-2,3,7,8-TCDD	15996530	0.82 y	11:15	0.81	141.79	0.24	70.9	n
2,3,7,8-TCDD	23430	1.10 n	11:16	1.23	0.24	0.20	-	n
37Cl-2,3,7,8-TCDD	20719600	1.00 y	11:15	1.96	75.55	0.00	94.4	n

JH/3-22-06

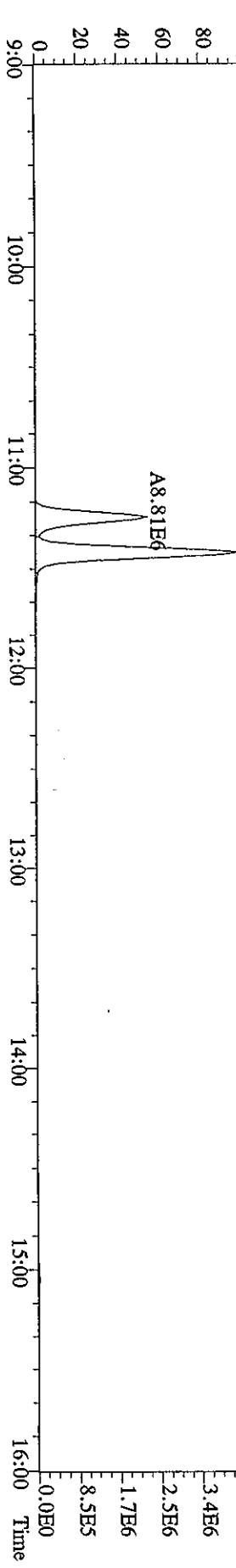
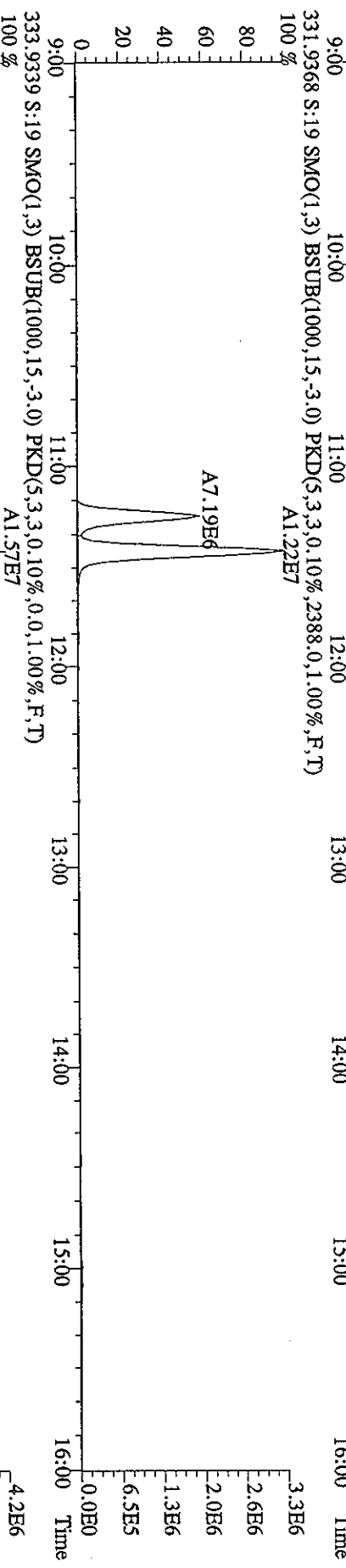
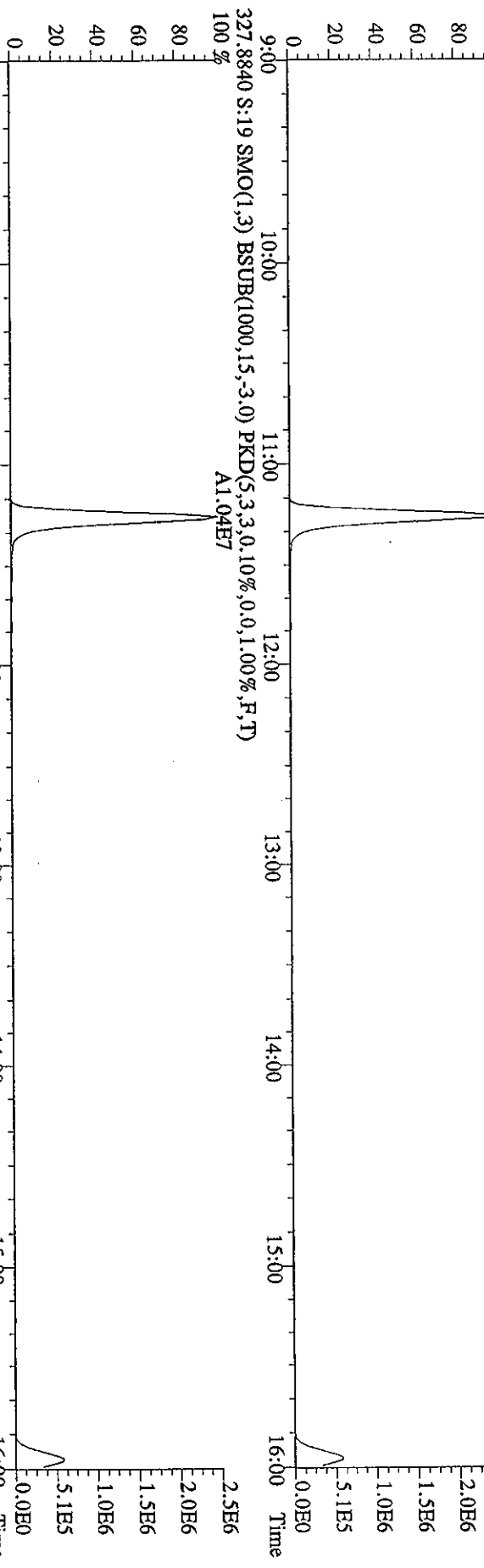
File: 19MR067D2 #1-1168 Acq: 19-MAR-2006 22:01:32 GC EI+ Voltage SIR 70S
 Sample#19 Text: H04HL-1-AC :G6C100424-1 Exp: DB225
 303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,972.0,1.00%,F,T)
 100% A1.63E5 A1.40E5 A1.61E5



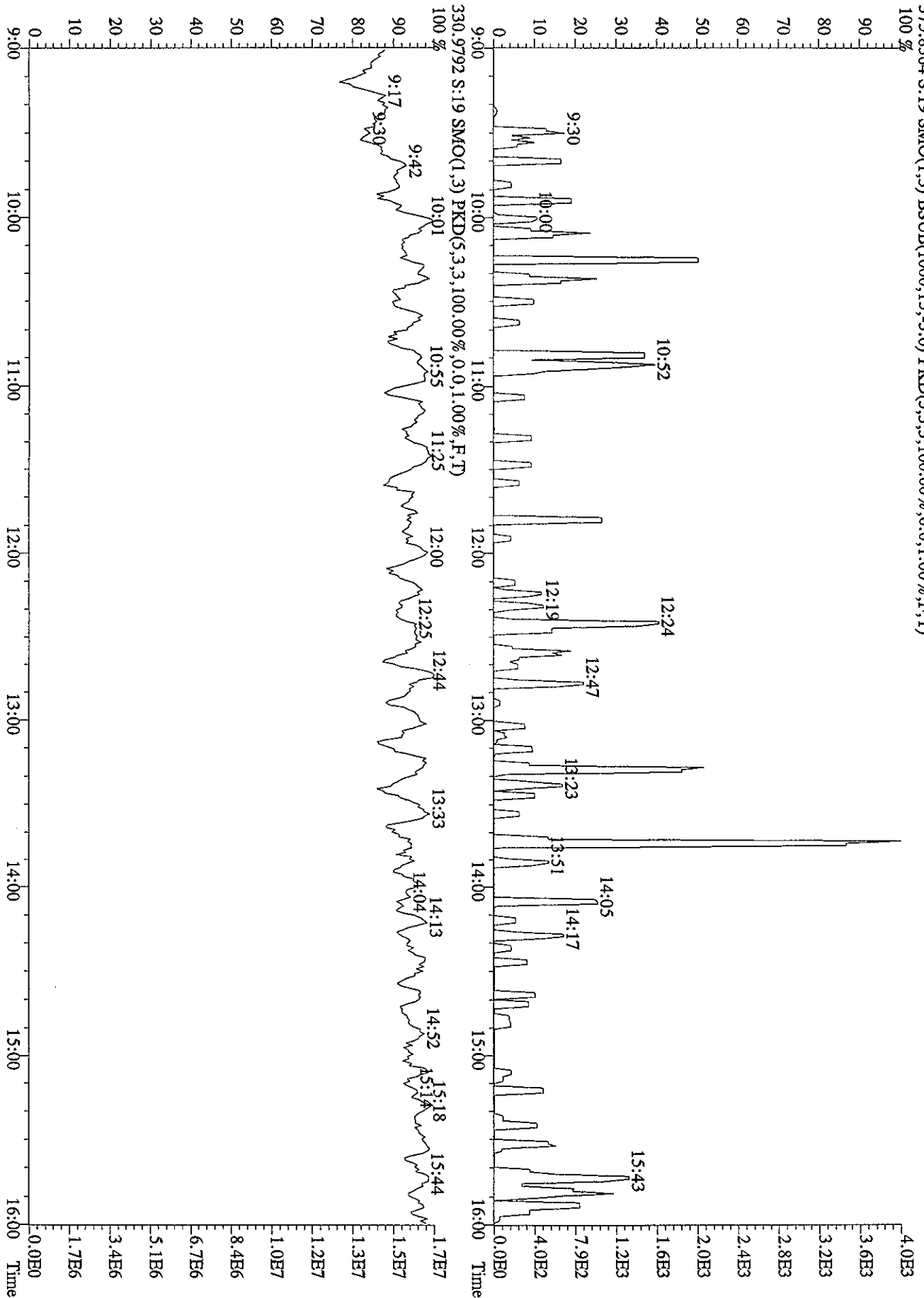
File:19MR067D2 #1-1168 Acq:19-MAR-2006 22:01:32 GC EI+ Voltage SIR 70S
 Sample#19 Text:H04HL-1-AC :G6C100424-1 Exp:DB225
 319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,808.0,1.00%,F,T)



File:19MR067D2 #1-1168 Acq:19-MAR-2006 22:01:32 GC EI+ Voltage SIR 70S
Sample#19 Text:H04HL-1-AC :G6C100424-1 Exp:DB225
327.8840 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,0.0,1.00%,F,T)
100 % A1.04E7



File:19MR067D2 #1-1168 Acq:19-MAR-2006 22:01:32 GC EI+ Voltage SIR 70S
 Sample#19 Text:H04HL-1-AC :G6C100424-1 Exp:DB225
 375.8364 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,100.00%,0.0,1.00%,F,T)



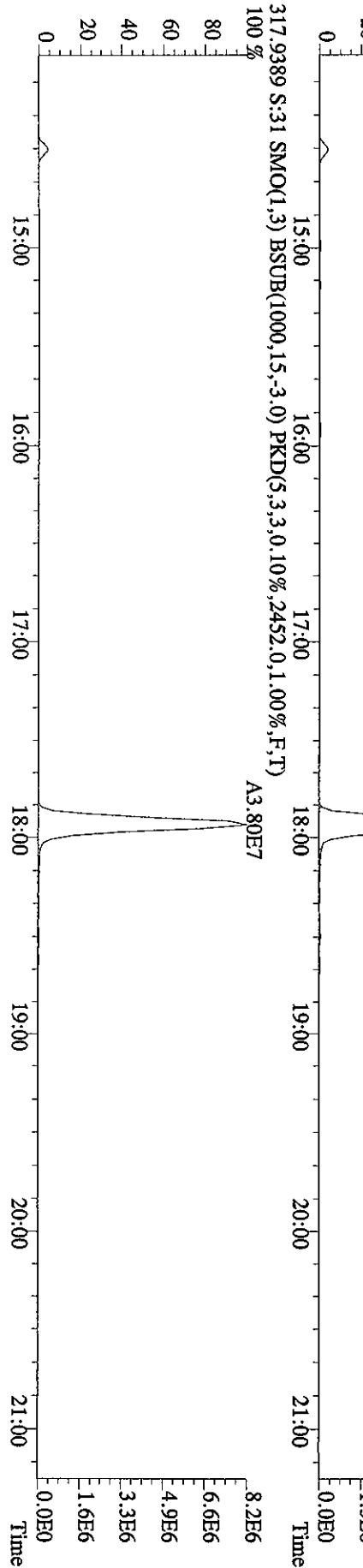
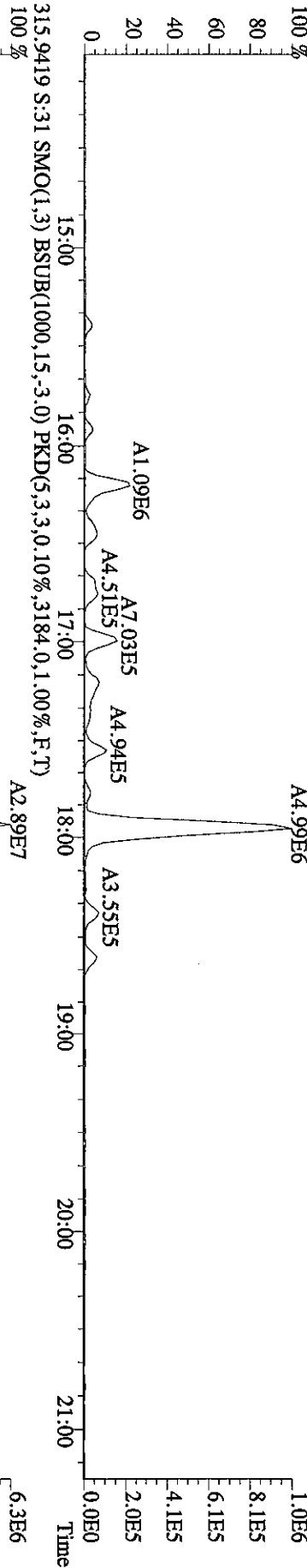
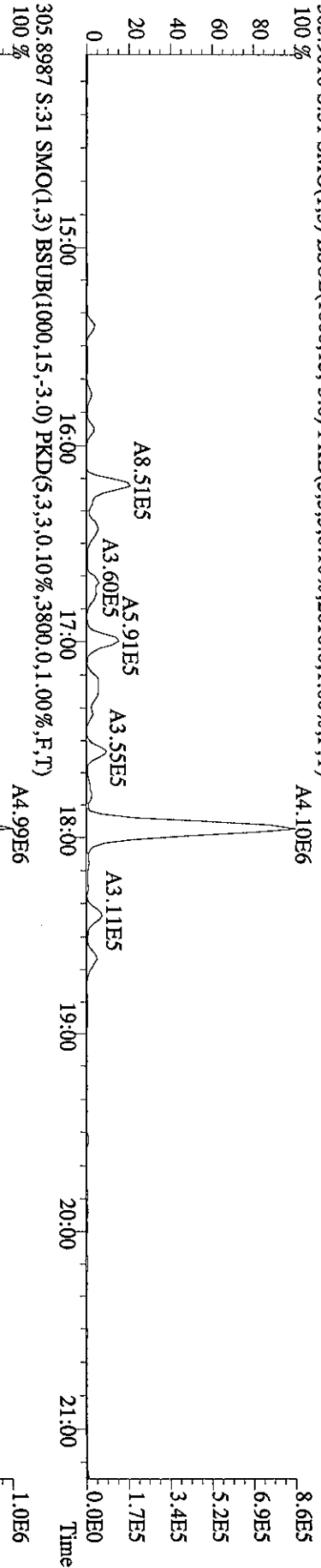
Run text: H04HL-1-AD Sample text: H04HL-1-AD :G6C100424-1S
 Run #31 Filename: 20MR061D5 S: 31 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 07:22:40 Processed: 21-MAR-06 08:02:45
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00007g

Spiking conc = 20/1000000 µg/g

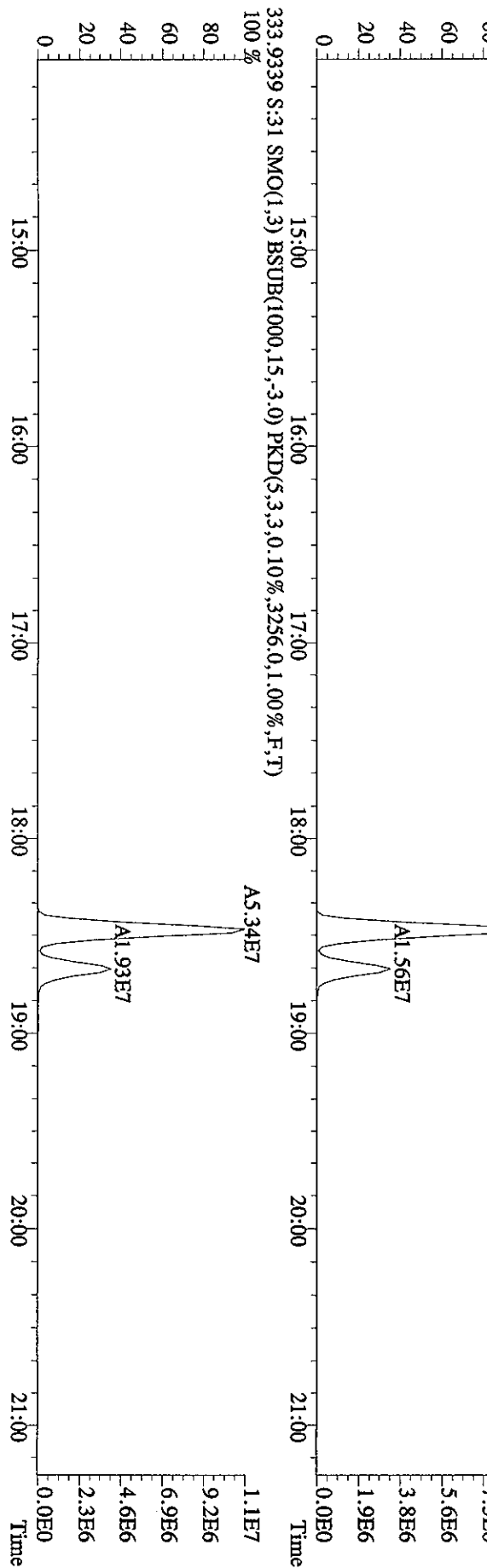
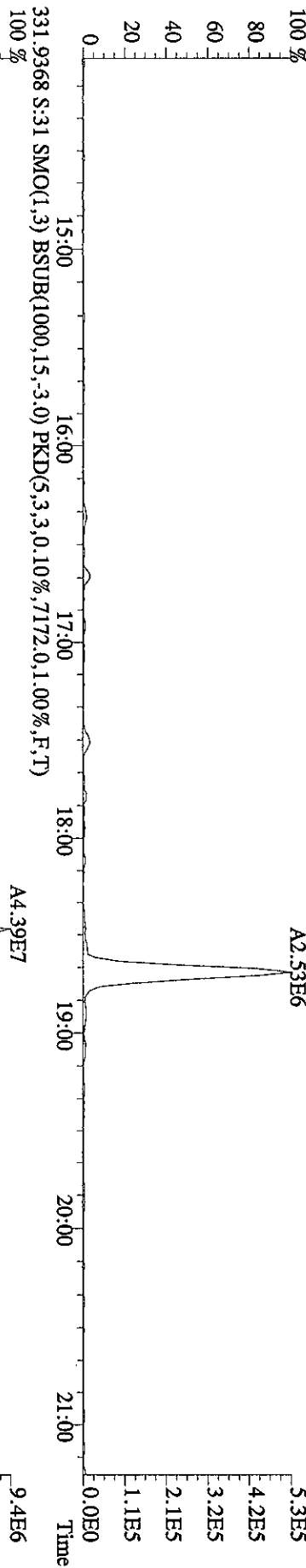
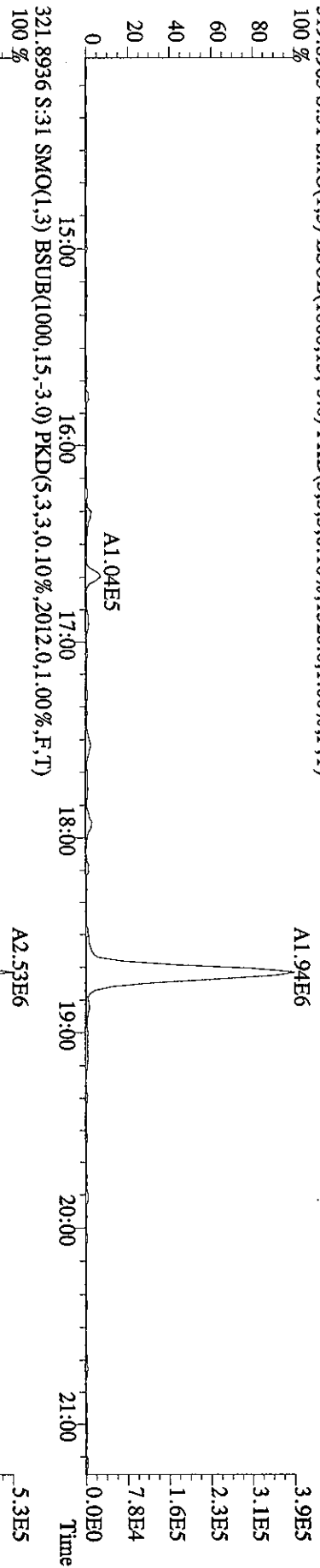
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	97312900	0.82 y	18:28	-	8.27	-	-	n
13C-2,3,7,8-TCDF	66936000	0.76 y	17:56	1.70	80.91	0.10	40.5	n
2,3,7,8-TCDF	9094140	0.82 y	17:57	1.10	24.62	0.24	-	n
Total TCDF	18121081	0.94 n	15:24	1.10	49.05	0.24	-	n
13C-2,3,7,8-TCDD	34980100	0.81 y	18:40	0.87	82.76	0.35	41.4	n
2,3,7,8-TCDD	4475180	0.77 y	18:41	1.42	18.03	0.19	-	n
Total TCDD	5119474	1.15 n	16:20	1.42	20.63	0.19	-	n
37Cl-2,3,7,8-TCDD	74644200	1.00 y	18:41	2.41	63.71	0.03	79.6	n
13C-1,2,3,7,8-PeCDF	51602800	1.57 y	23:14	1.42	74.67	0.10	37.3	n
1,2,3,7,8-PeCDF	26369000	1.56 y	23:15	1.04	97.93	0.47	-	n
2,3,4,7,8-PeCDF	24516550	1.63 y	24:39	1.07	88.43	0.46	-	n
Total F2 PeCDF	63494600	1.63 y	21:37	1.06	232.51	0.46	-	n
Total F1 PeCDF	1027969	0.18 n	15:54	1.06	3.76	0.31	-	n
13C-1,2,3,7,8-PeCDD	27367800	1.63 y	25:23	0.83	67.41	0.07	33.7	n
1,2,3,7,8-PeCDD	13807290	1.66 y	25:25	1.05	95.74	0.92	-	n
Total PeCDD	14757480	1.16 n	22:00	1.05	102.33	0.92	-	n
13C-1,2,3,7,8,9-HxCDD	63290800	1.27 y	32:41	-	5.86	-	-	n
13C-1,2,3,4,7,8-HxCDF	33564900	0.54 y	31:13	1.33	79.45	0.29	39.7	n
1,2,3,4,7,8-HxCDF	24587100	1.25 y	31:15	1.14	128.87	1.12	-	n
1,2,3,6,7,8-HxCDF	26049100	1.27 y	31:24	1.23	125.79	1.03	-	n
2,3,4,6,7,8-HxCDF	22100790	1.28 y	32:07	1.13	116.53	1.13	-	n
1,2,3,7,8,9-HxCDF	19818910	1.21 y	32:53	1.10	107.81	1.16	-	n
Total HxCDF	102103545	1.37 y	29:09	1.15	528.52	1.11	-	n
13C-1,2,3,6,7,8-HxCDD	25611600	1.24 y	32:22	0.97	83.20	0.17	41.6	n
1,2,3,4,7,8-HxCDD	12190610	1.30 y	32:17	0.98	97.63	0.47	-	n
1,2,3,6,7,8-HxCDD	13455600	1.27 y	32:23	1.07	98.32	0.43	-	n
1,2,3,7,8,9-HxCDD	14481780	1.32 y	32:42	1.10	103.02	0.42	-	n
Total HxCDD	41283239	0.84 n	30:29	1.05	307.58	0.44	-	n
13C-1,2,3,4,6,7,8-HpCDF	27526060	0.45 y	34:24	1.06	81.98	0.53	41.0	n
1,2,3,4,6,7,8-HpCDF	26905100	1.06 y	34:25	1.37	142.90	0.95	-	n
1,2,3,4,7,8,9-HpCDF	17083560	1.05 y	35:39	1.23	100.81	1.05	-	n
Total HpCDF	48720022	1.06 y	34:25	1.30	270.17	1.00	-	n
13C-1,2,3,4,6,7,8-HpCDD	21661400	1.06 y	35:18	0.89	76.49	0.57	38.2	n
1,2,3,4,6,7,8-HpCDD	11984820	1.06 y	35:18	1.06	104.44	0.85	-	n
Total HpCDD	13348240	0.97 y	34:41	1.06	116.33	0.85	-	n
13C-OCDD	31044700	0.91 y	38:00	0.76	128.89	0.63	32.2	n
OCDF	35589100	0.91 y	38:06	1.46	315.10	1.07	-	n
OCDD	23622000	0.90 y	38:00	1.10	276.78	1.42	-	n

Handwritten notes:
 3/22/06
 142.90 ↑
 270.17
 128.89 ↑
 315.10 ↑
 276.78

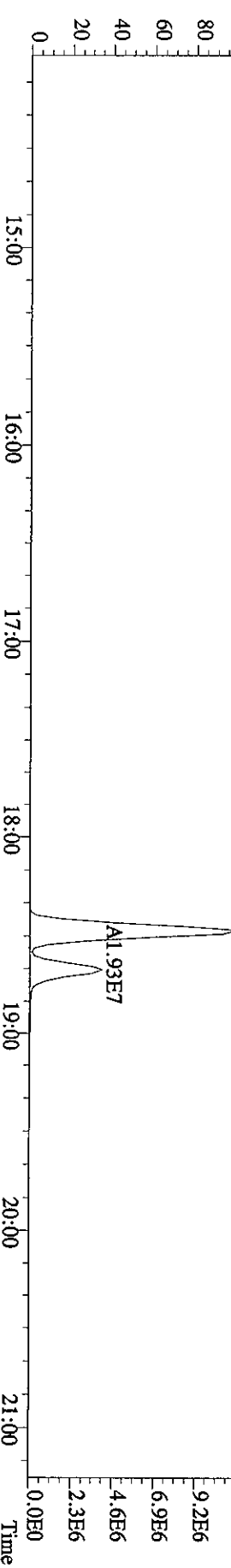
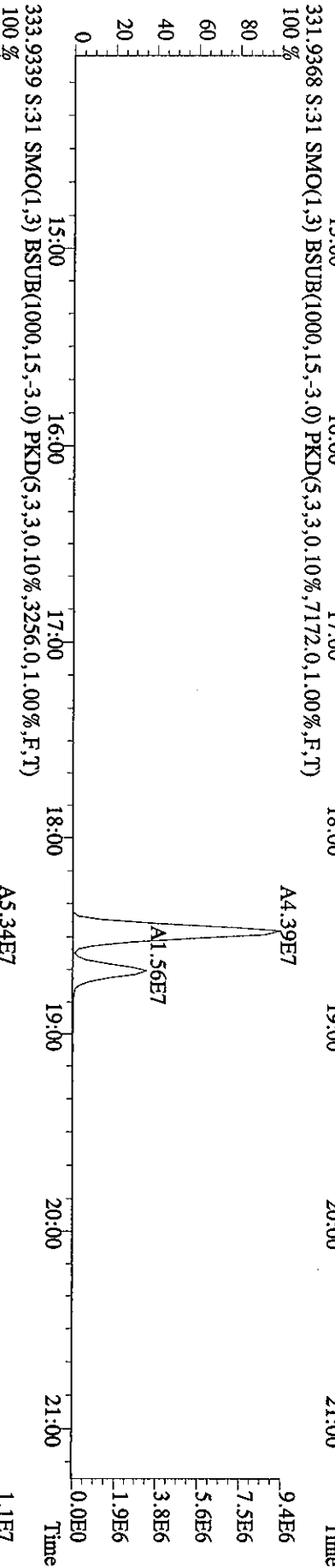
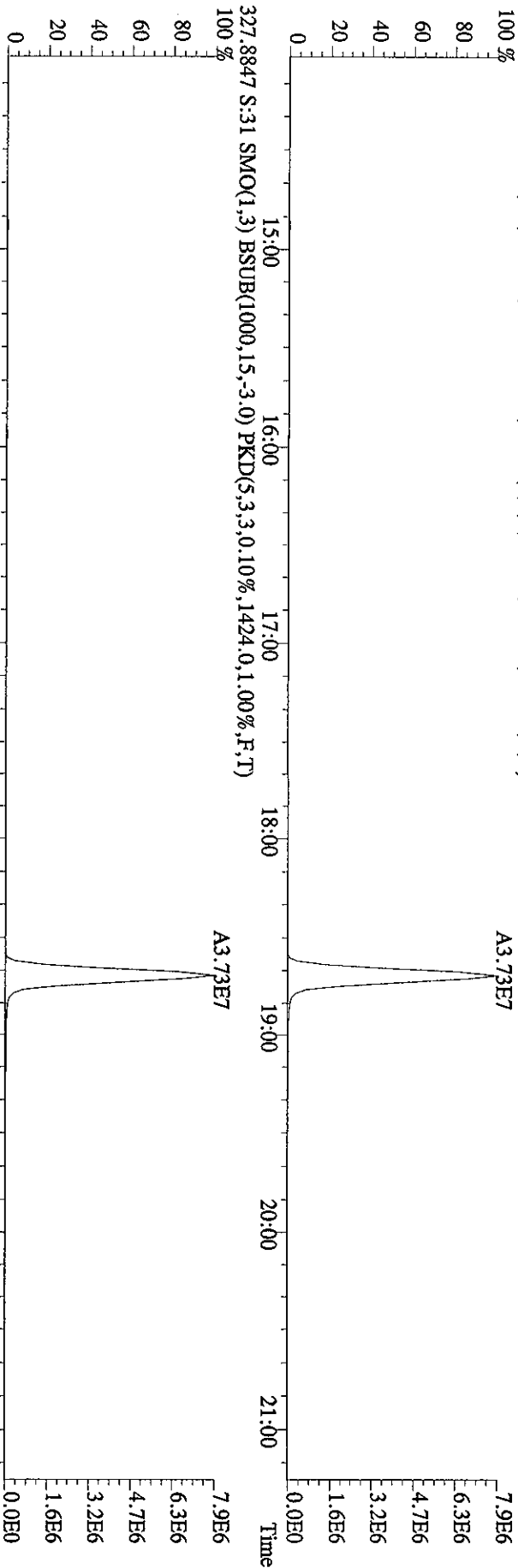
File:20MR061D5 #1-393 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 305.9016 S:31 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2616,0,1,00%,F,T)



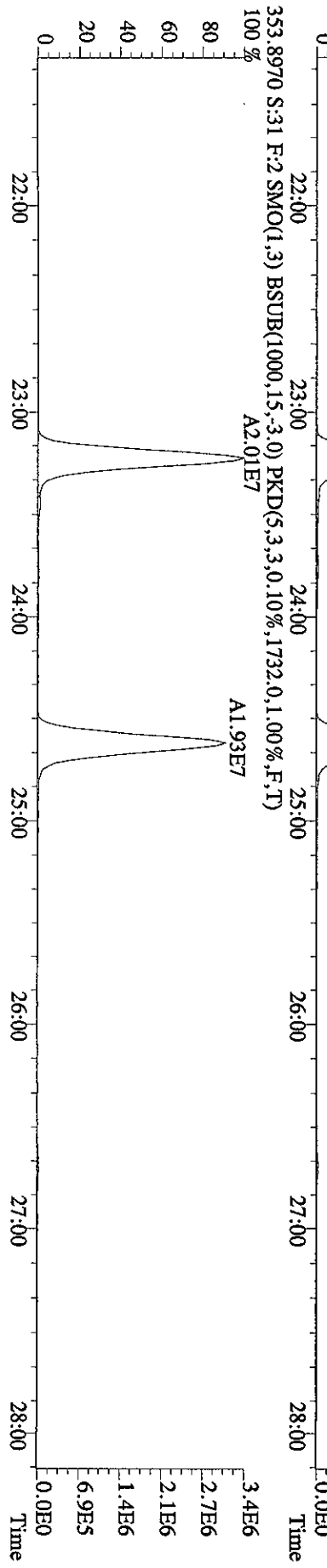
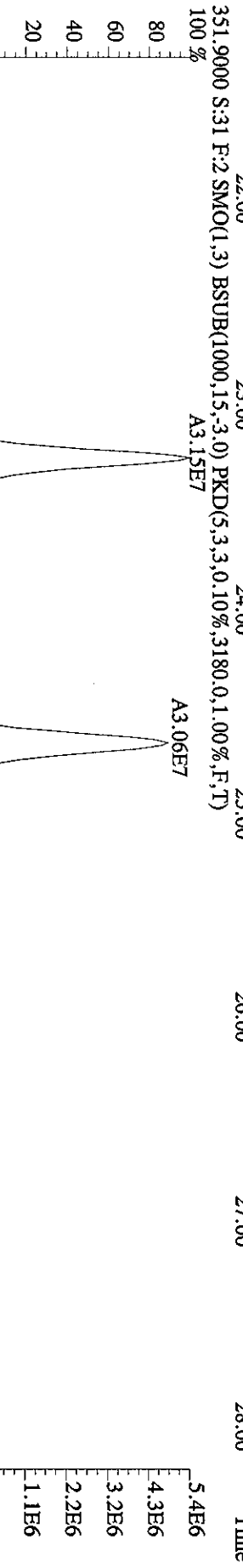
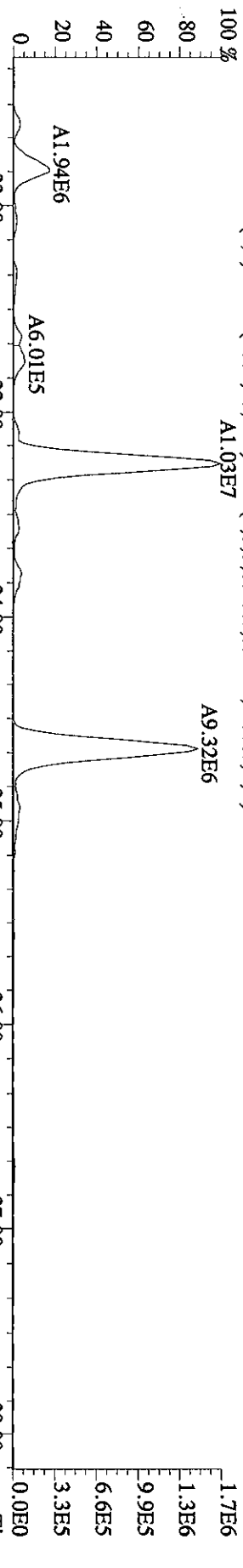
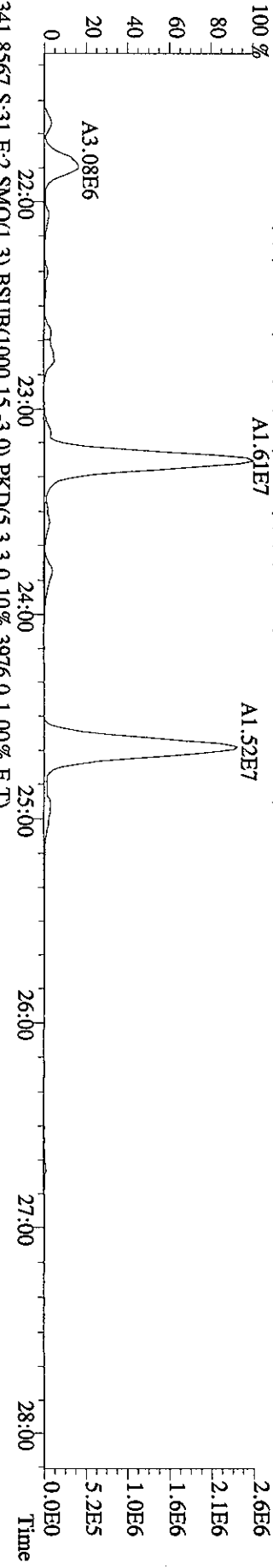
File:20MR061D5 #1-393 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 319.8965 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1320,0,1,100%,F,T)
 100%



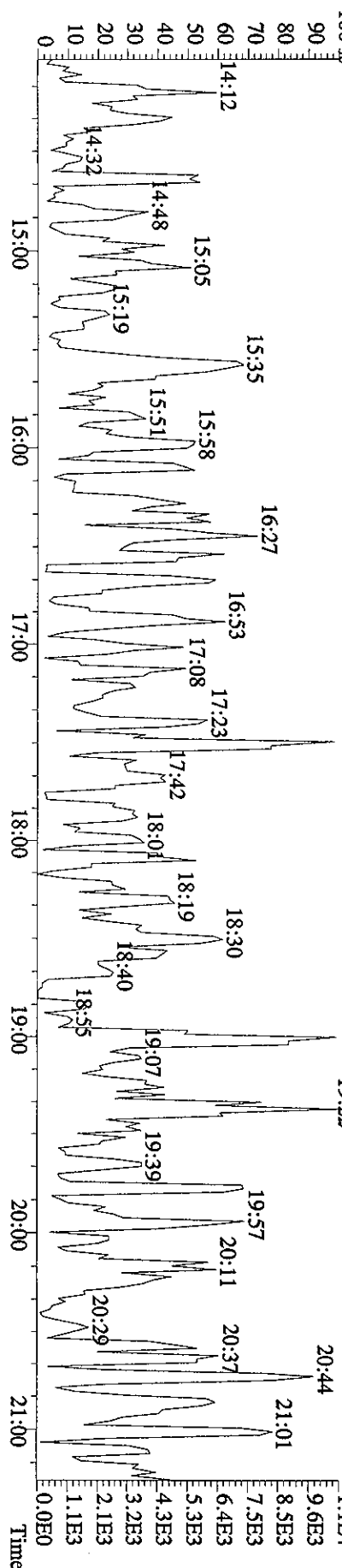
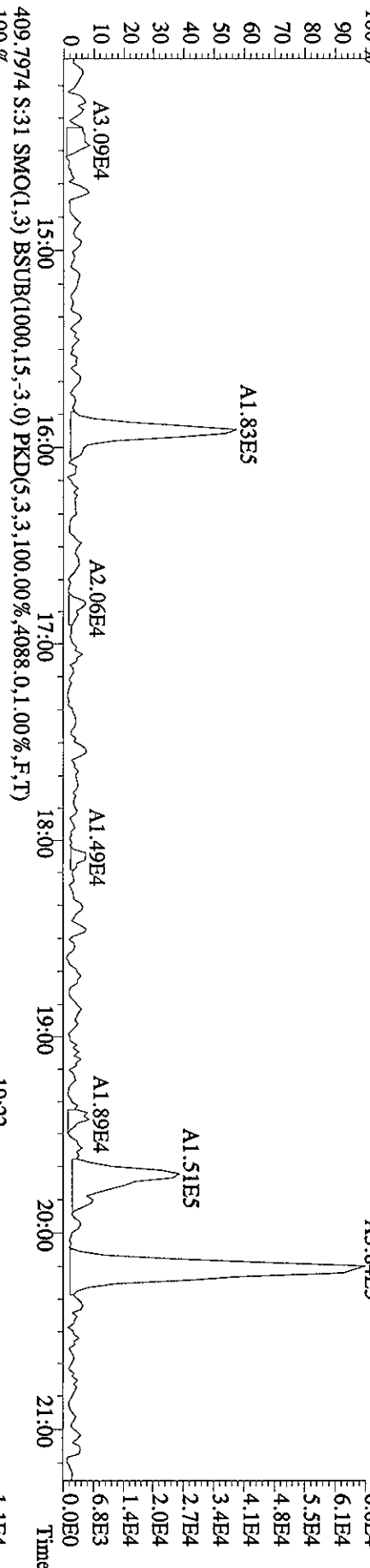
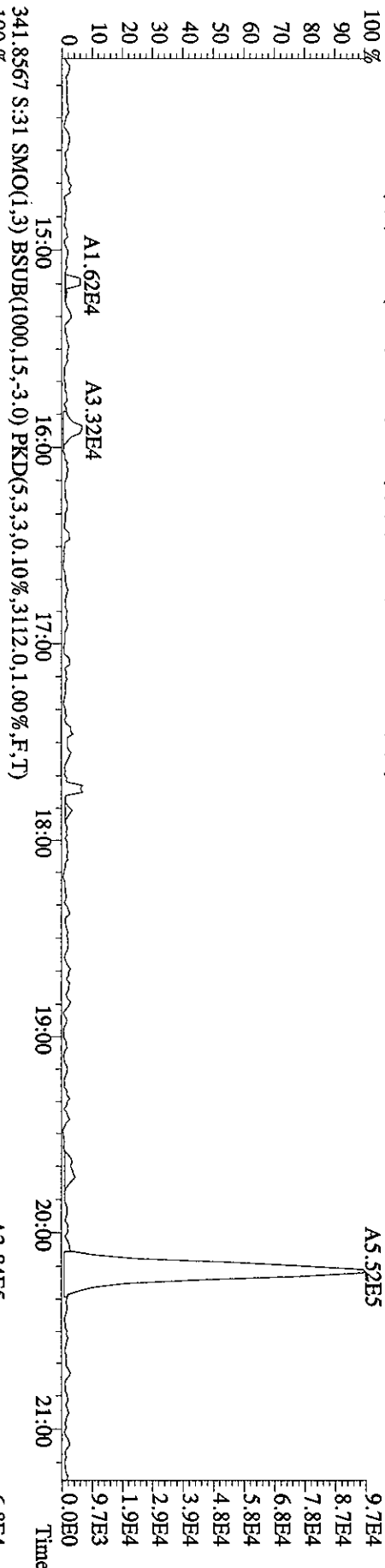
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Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
327.8847 S:31 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1424,0,1,100%,F,T)



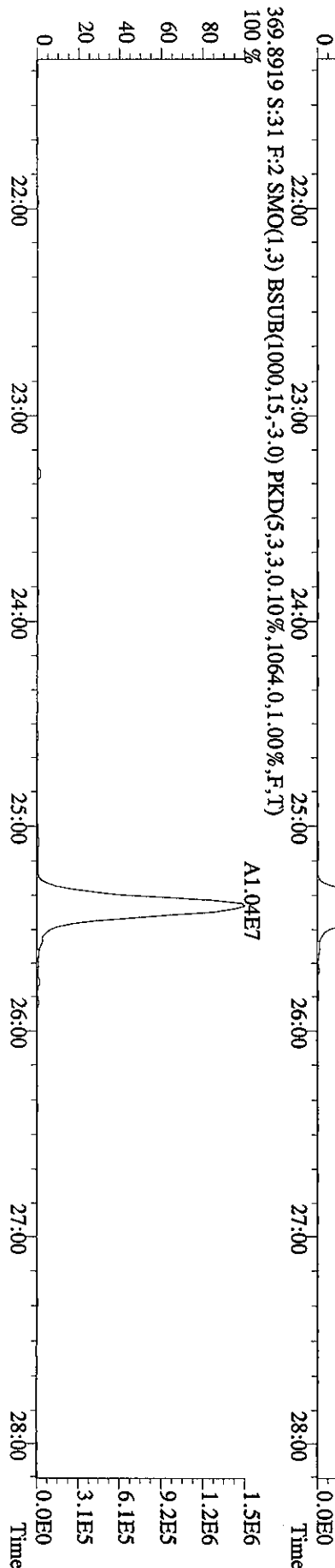
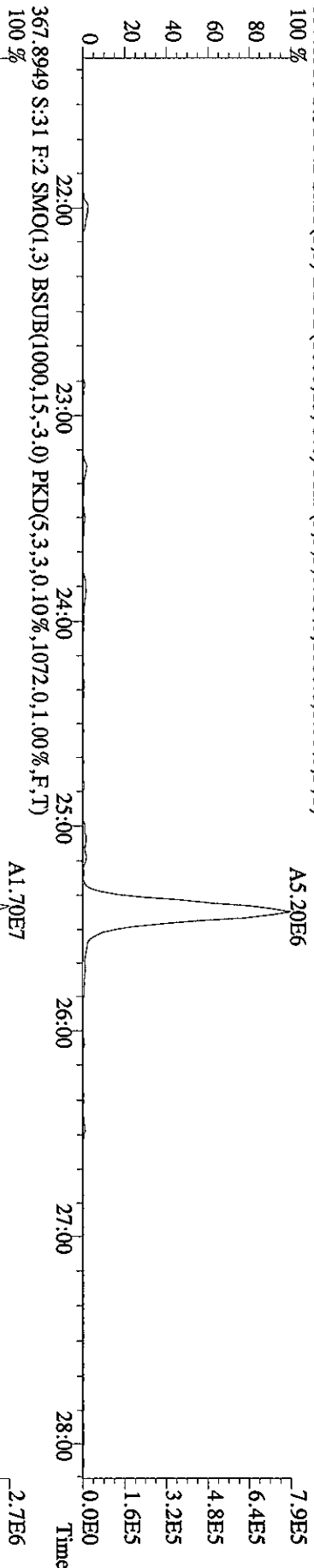
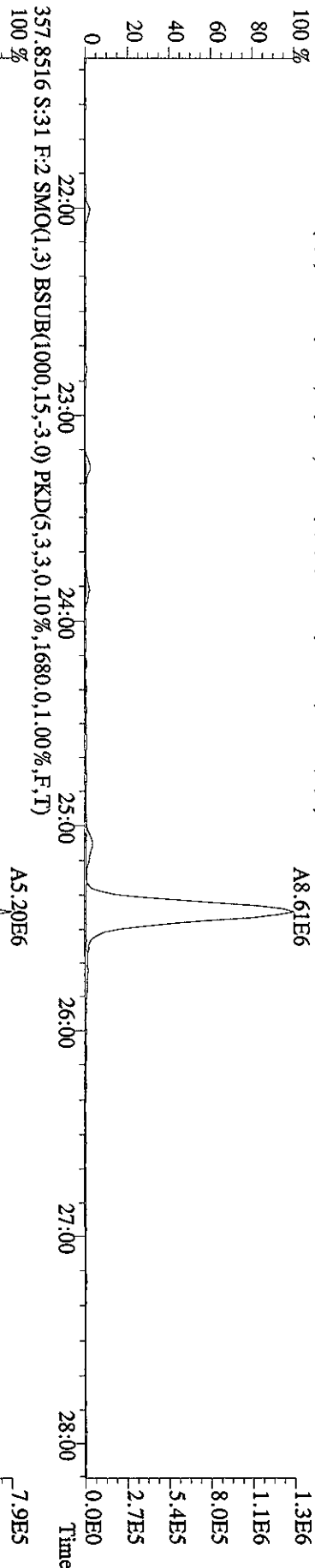
File:20MR061D5 #1-486 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 339.8597 S:31 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3216,0.1,0.00%,F,T)
 100%



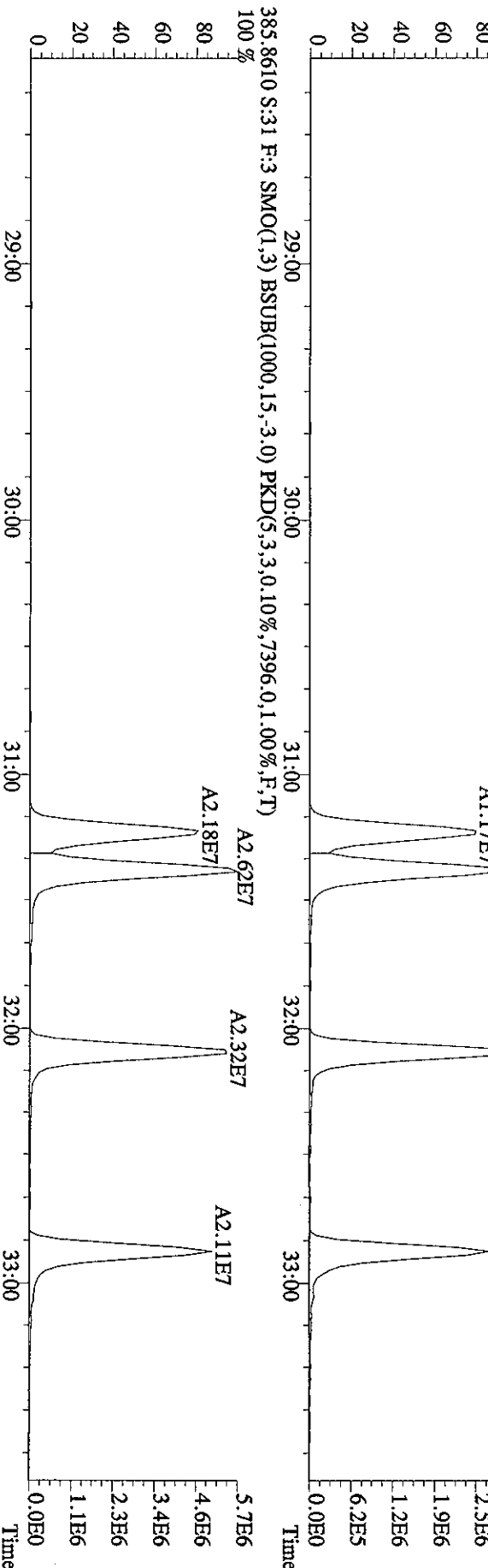
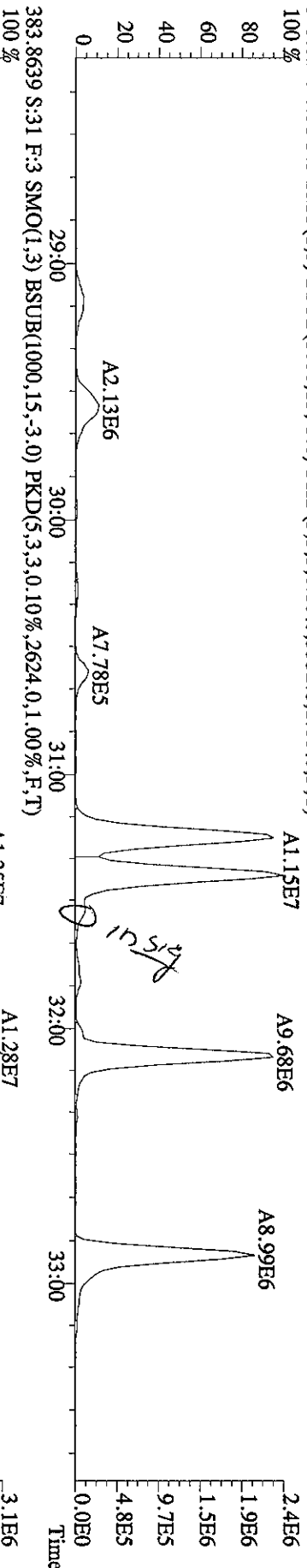
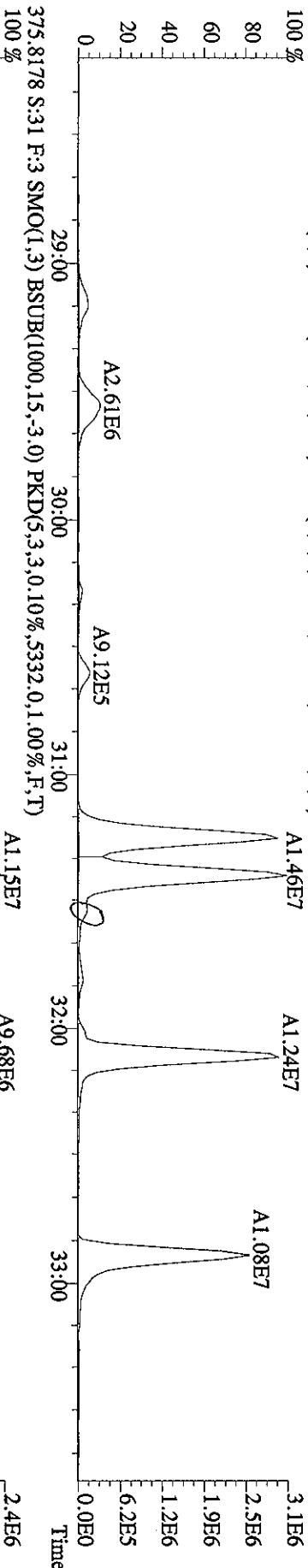
File: 20MR061D5 #1-393 Acq: 21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text: H04HL-1-AD : G6C100424-1S Exp: DIOXIN
 339:8597 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1772.0,1.00%,F,T)



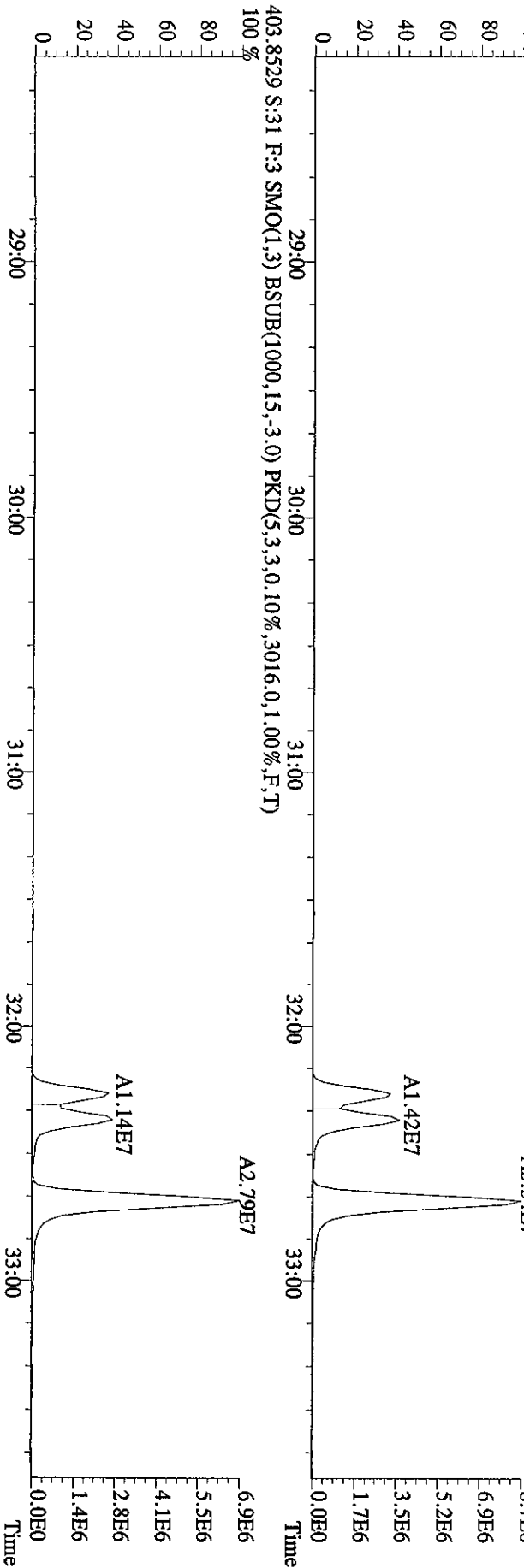
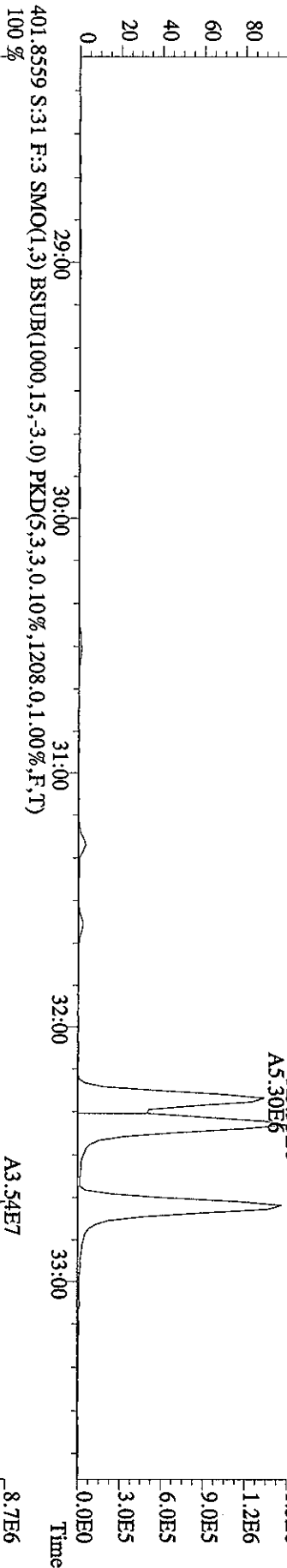
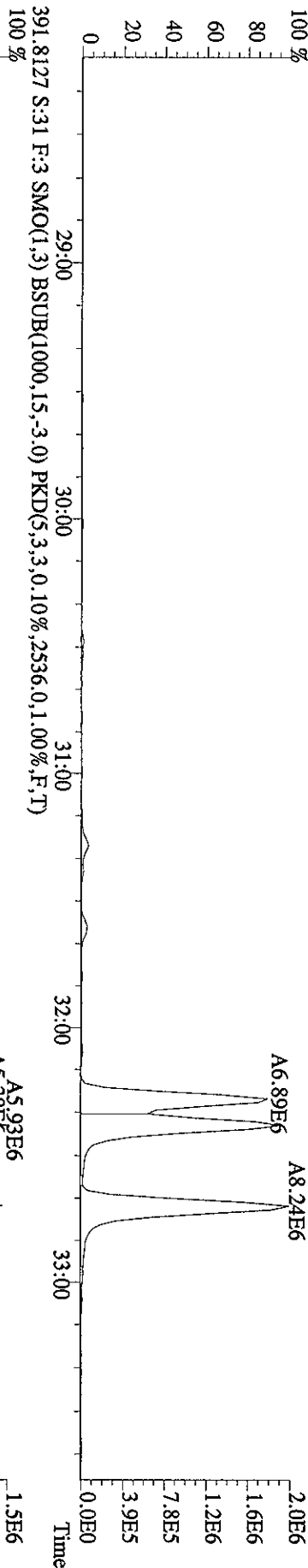
File:20MR061D5 #1-486 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
355.8546 S:31 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5024,0.1,00%,F,T)
100 %



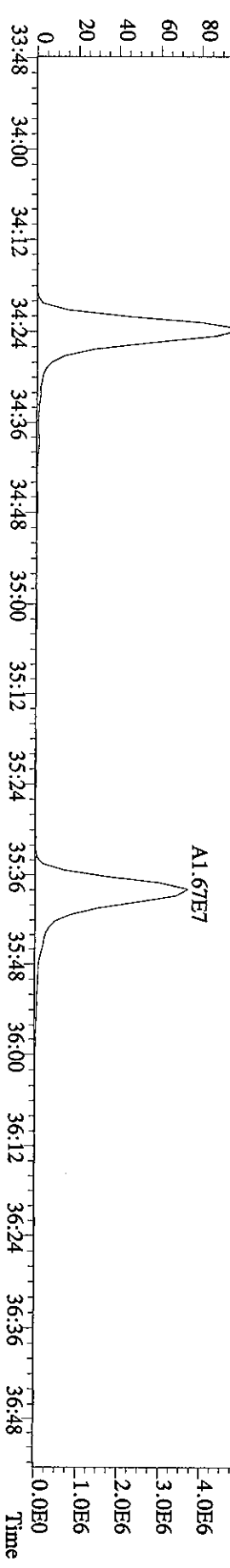
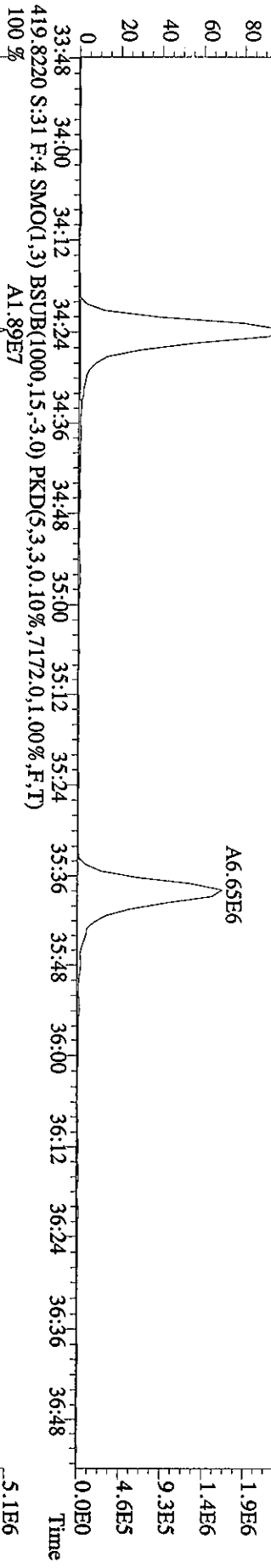
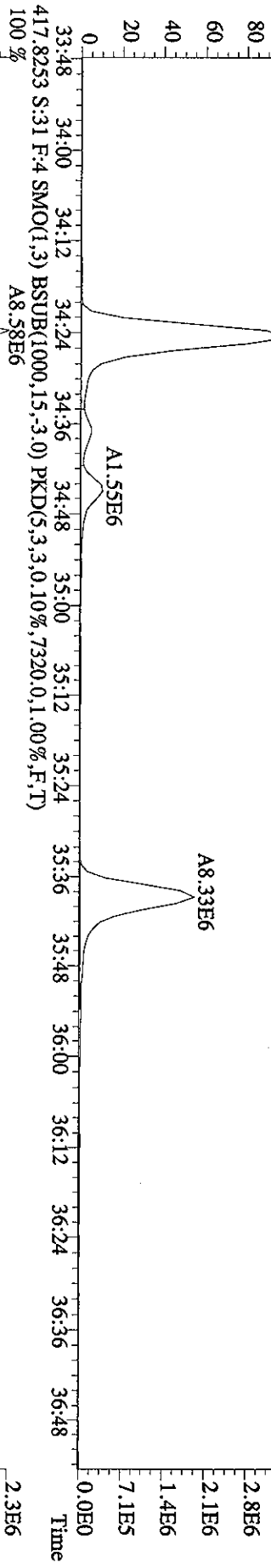
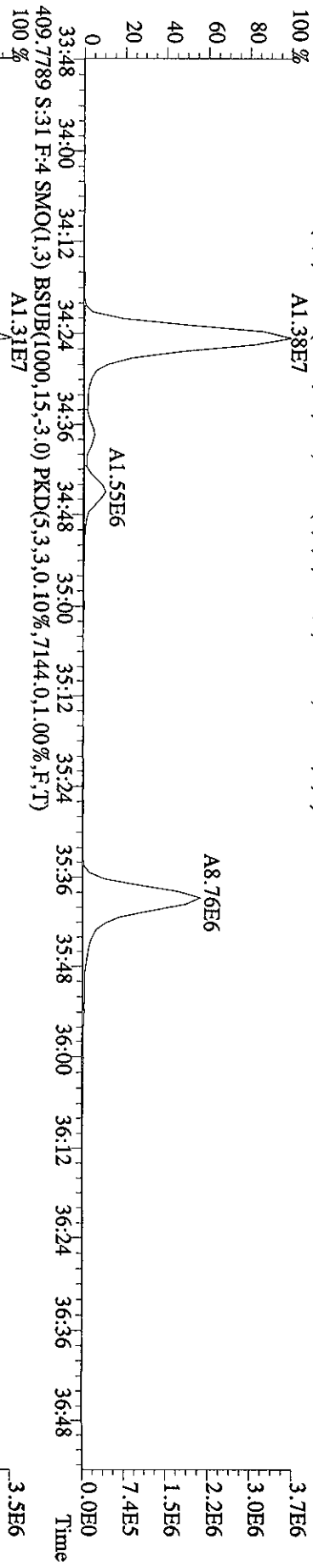
File: 20MR061D5 #1-375 Acq: 21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
Sample#31 Text: H04HL-1-AD : G6C100424-1S Exp: DIOXIN
373.8208 S:31 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9712.0,1.00%,F,T)



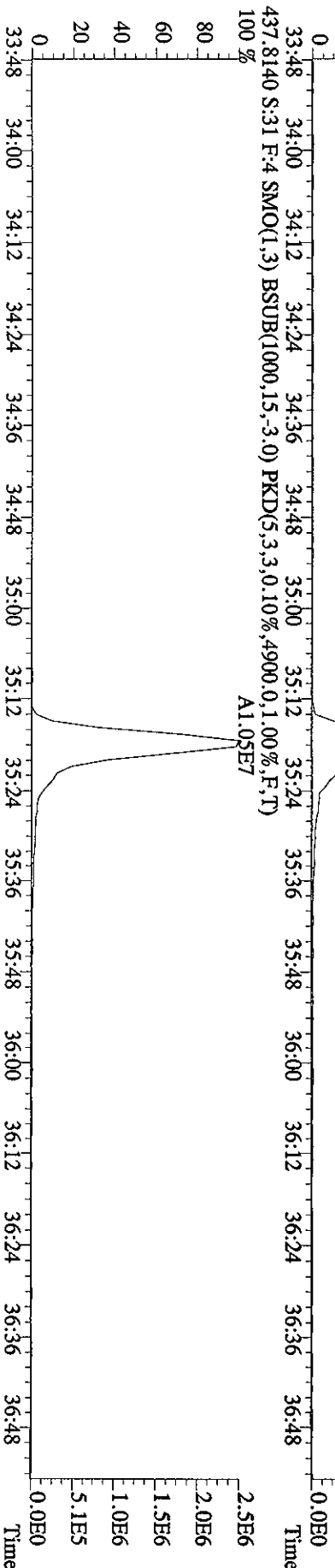
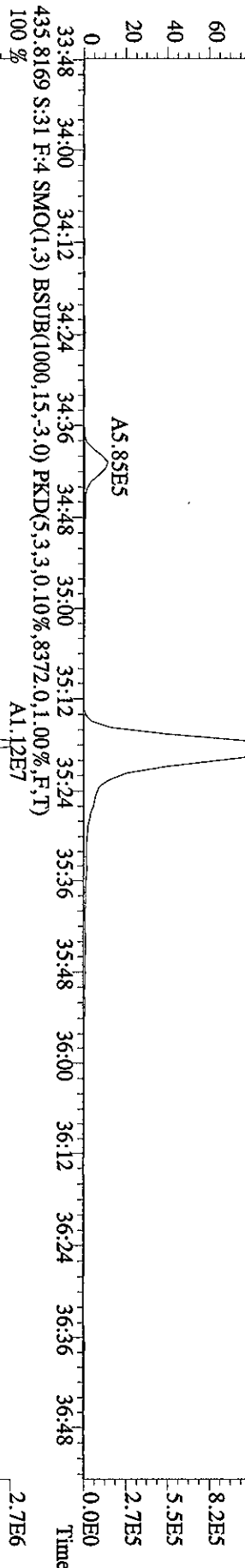
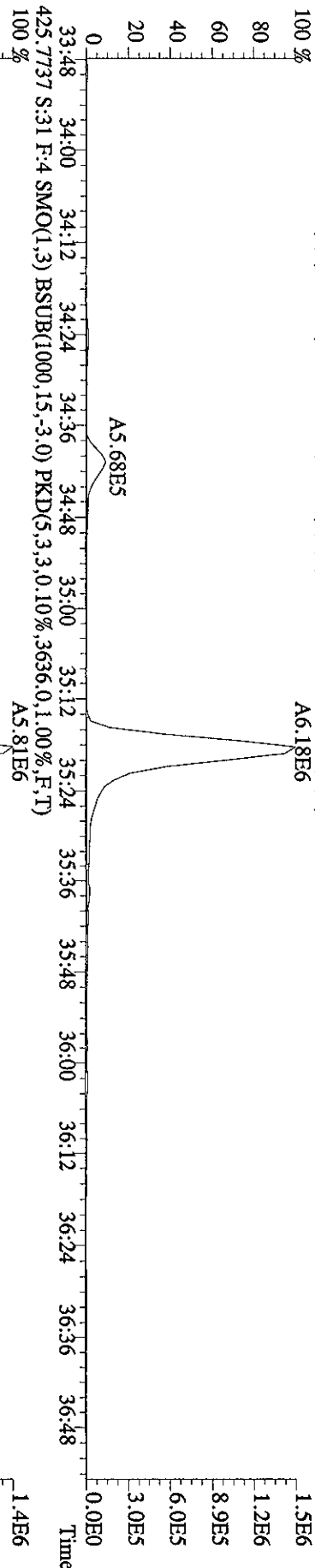
File: 20MR061D5 #1-375 Acq: 21-MAR-2006 07:22:40 GC EI+ Voltage SIR 70SE
 Sample#31 Text: H04HL-1-AD :G6C100424-1S Exp: DIOXIN
 389.8157 S:31 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2212.0,1.00%,F,T)



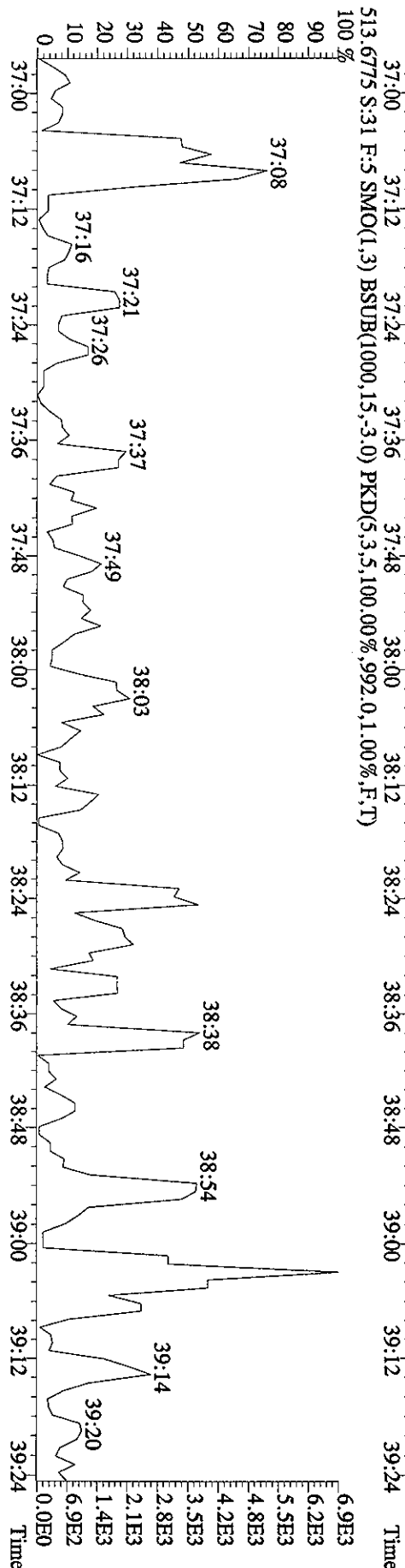
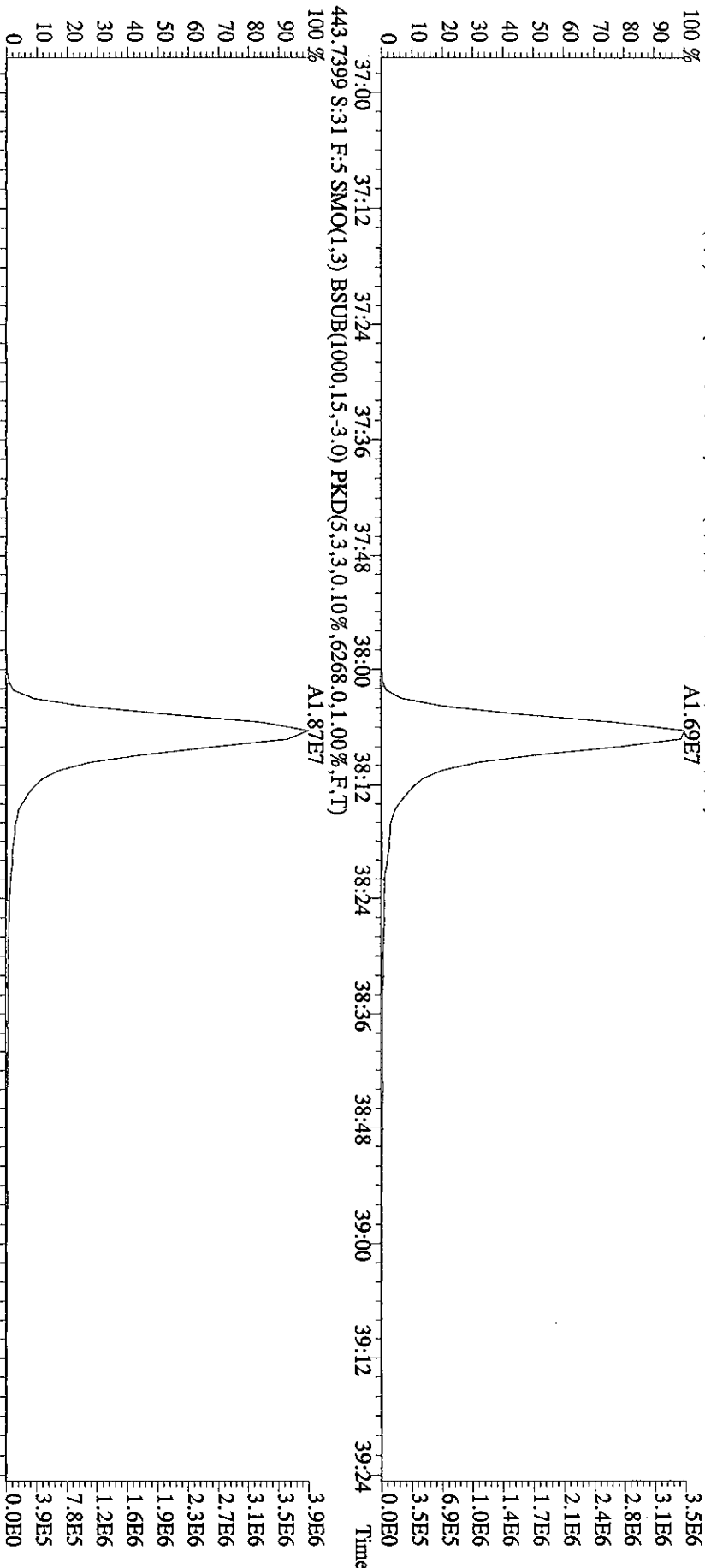
File:20MR061D5 #1-220 Acq:21-MAR-2006 07:22:40 GC:EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 407.7818 S:31 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8768,0,1,00%,F,T)
 100% A1.38E7



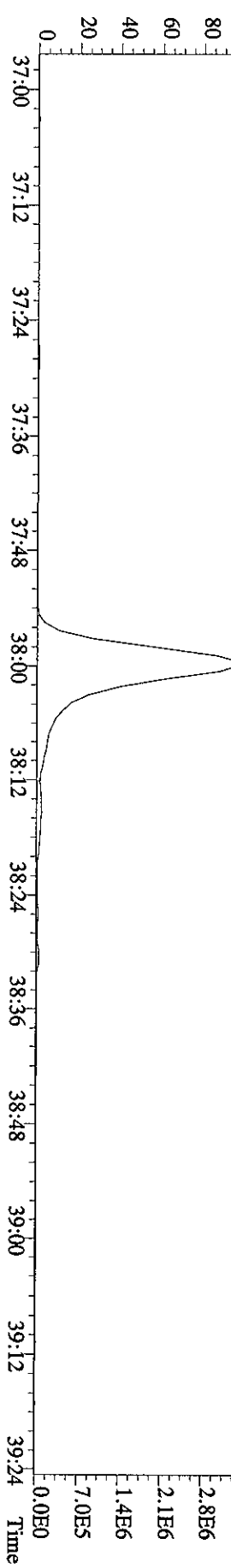
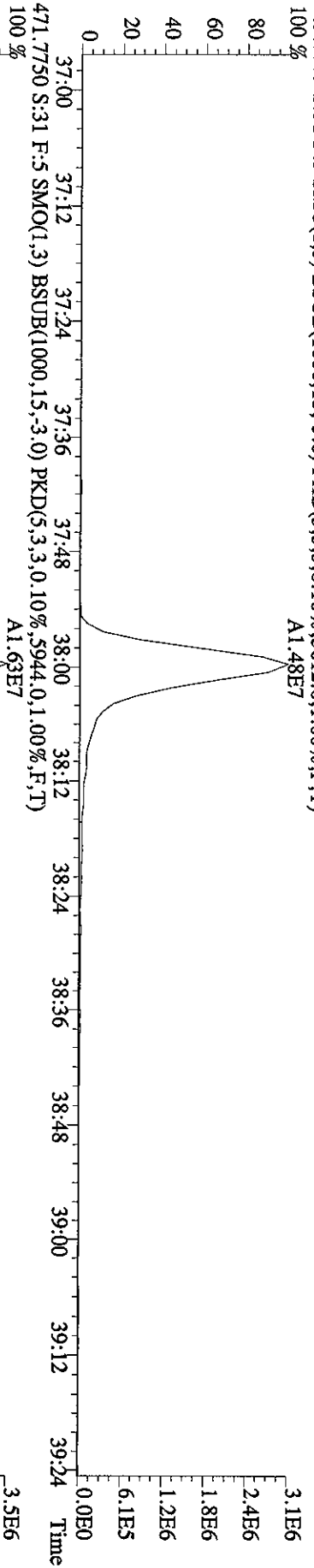
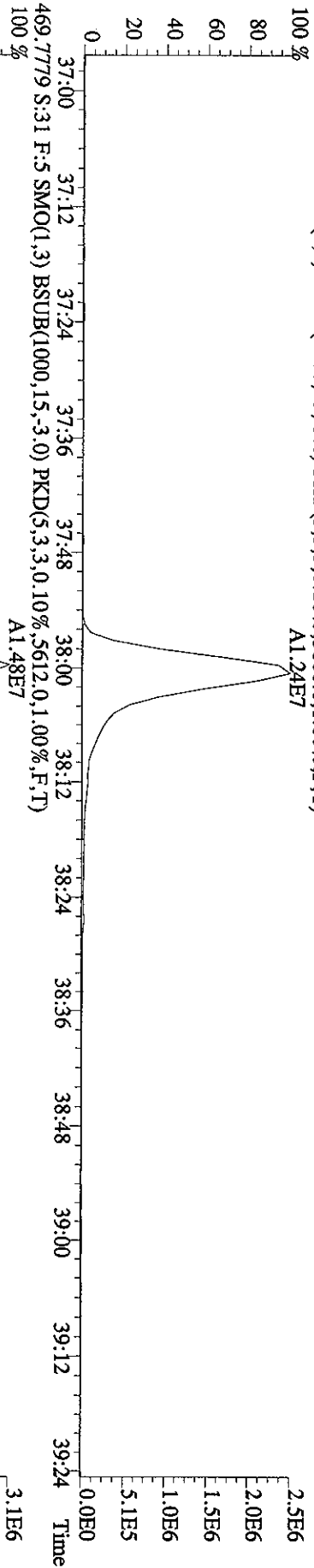
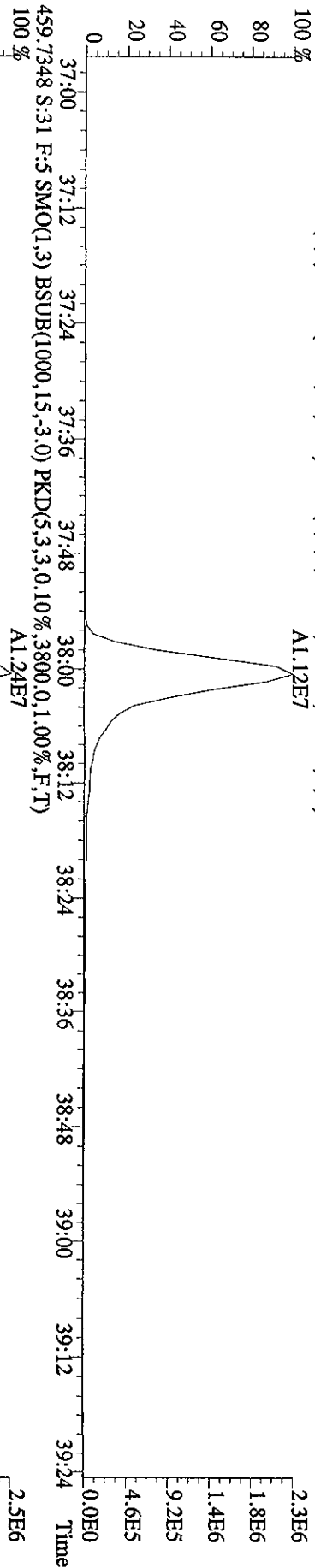
File:20MR061D5 #1-220 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 423.7766 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4188.0,1.00%,F,T)
 100%



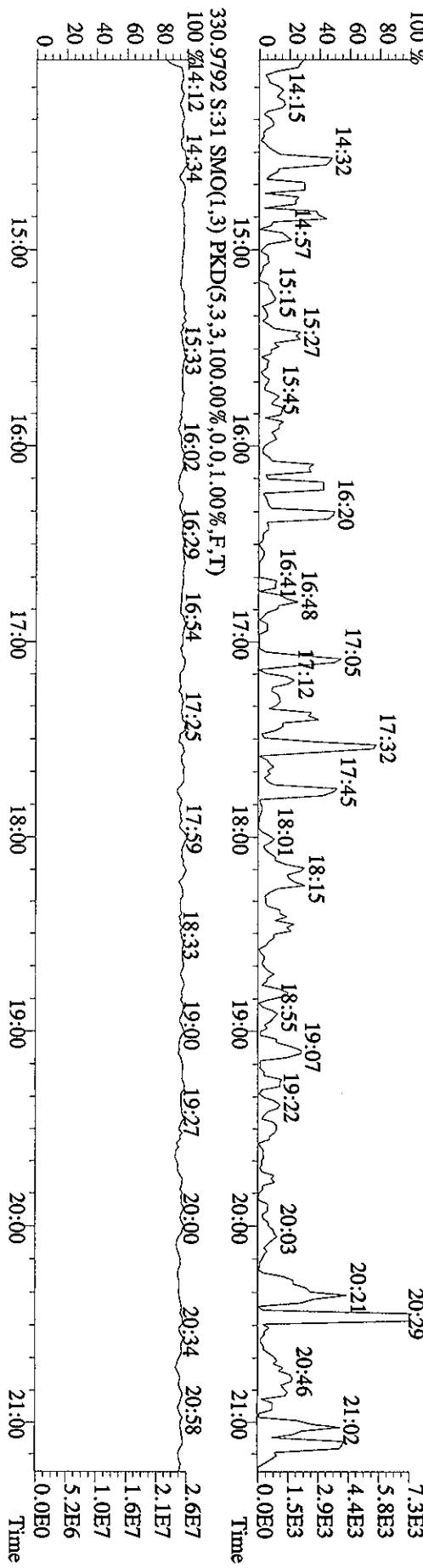
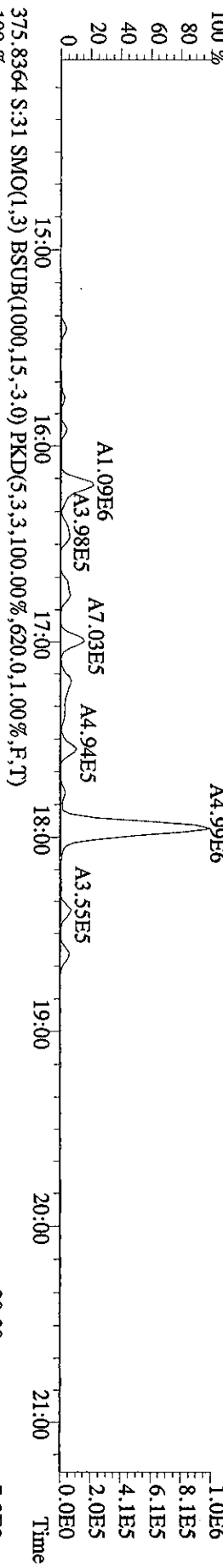
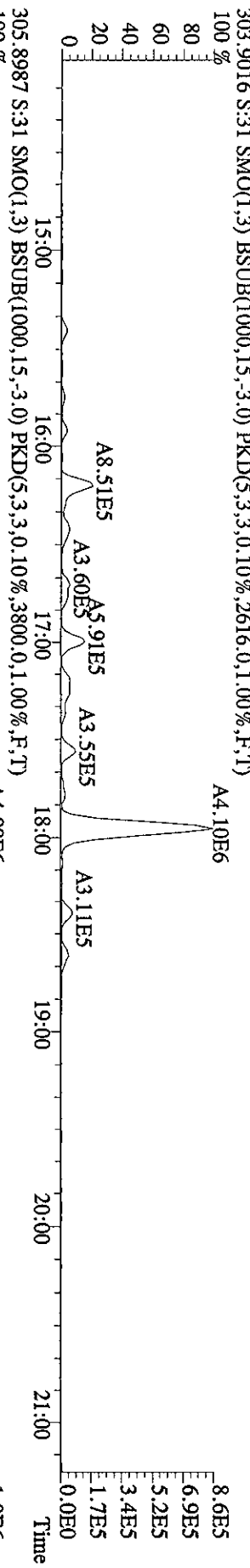
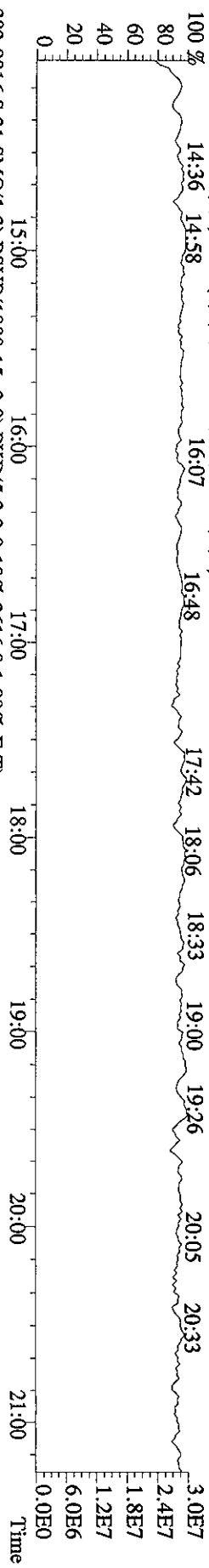
File:20MR061D5 #1-179 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 441.7428 S:31 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3472.0,1.00%,F,T)
 100%



File:20MR061D5 #1-179 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
457.7377 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,F,T)
100% A1.12E7



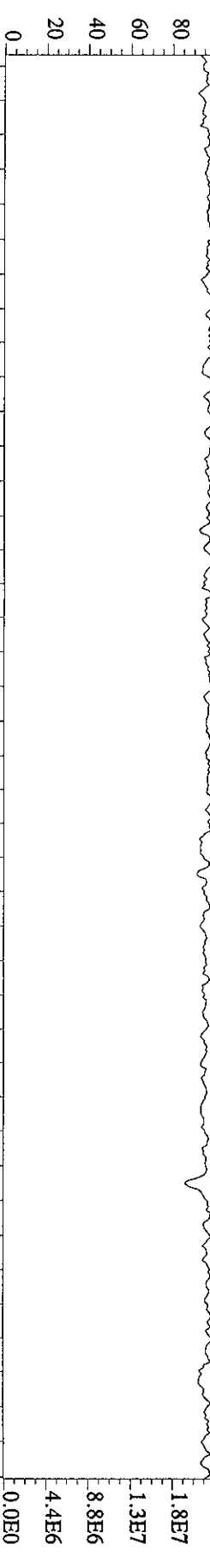
File:20MR061D5 #1-393 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 292.9825 S:31 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 14:36 14:58 16:07 16:48 17:42 18:06 18:33 19:00 19:26 20:05 20:33



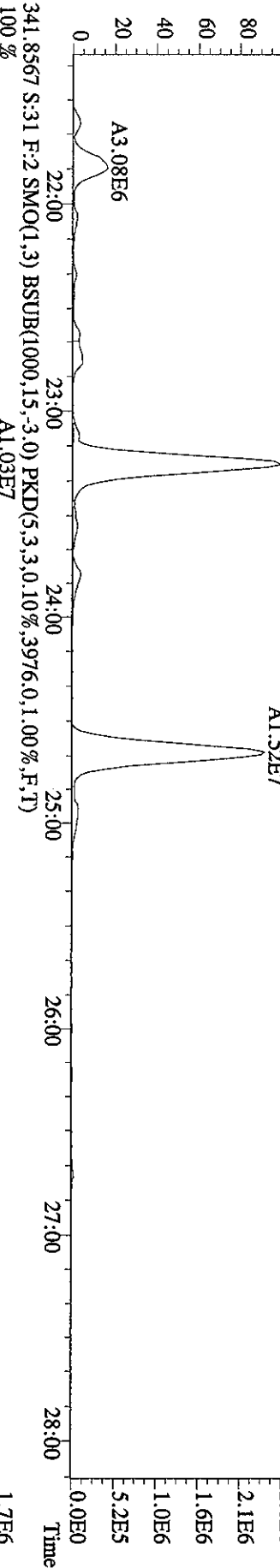
File:20MR061D5 #1-486 Acq:21-MAR-2006 07:22:40 GC EI+ Voltage SIR 70SE

Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN

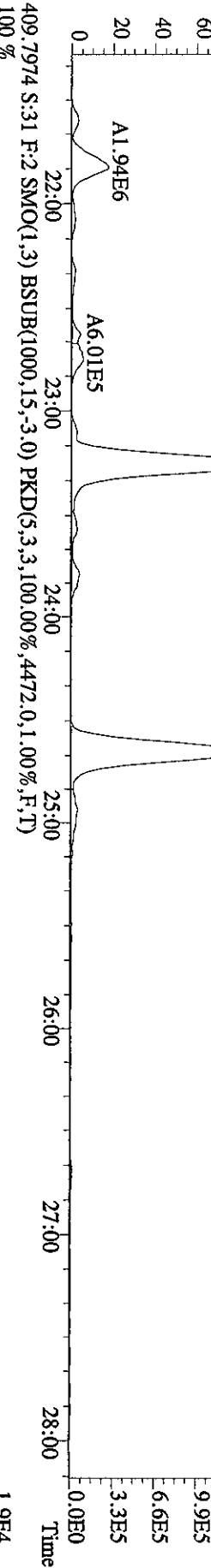
342.9792 S:31 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



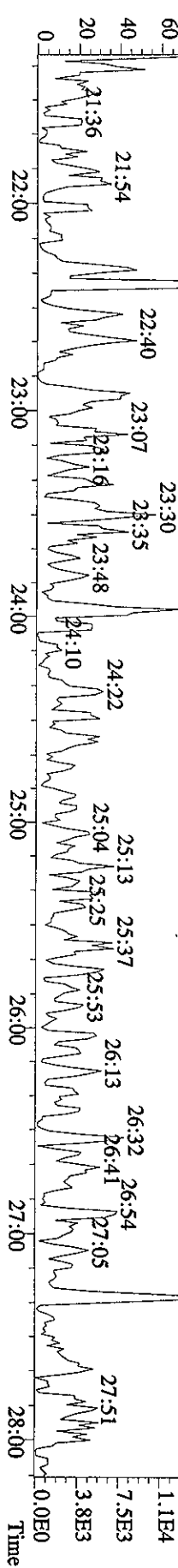
339.8597 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3216,0,1.00%,F,T)
A1.61E7
A1.52E7
2.6E6
2.1E6
1.6E6
1.0E6
5.2E5
0.0E0

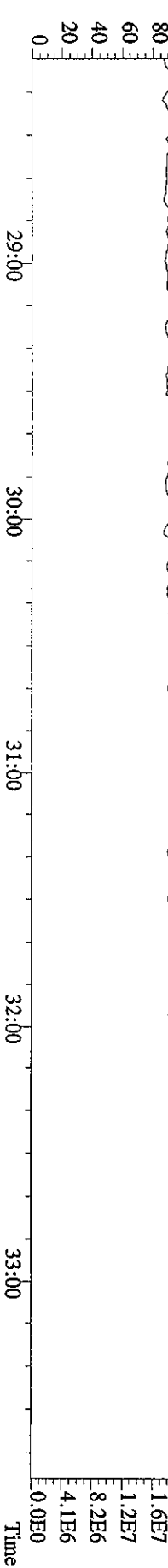
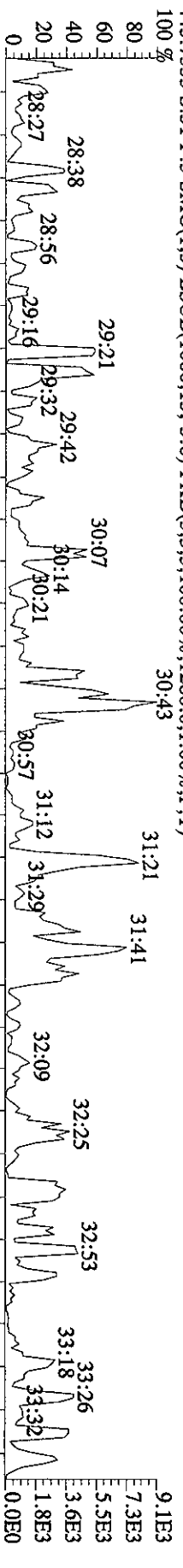
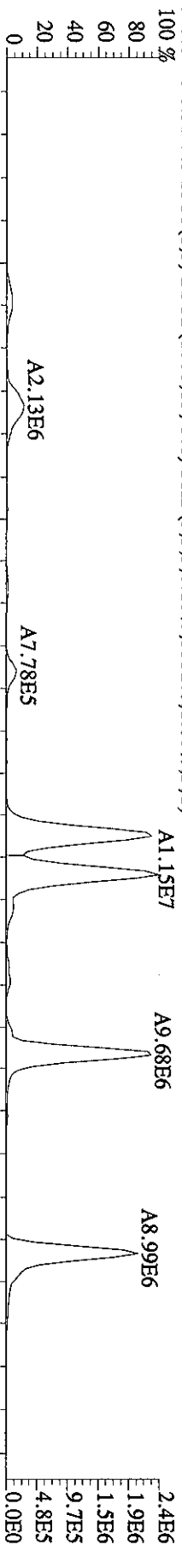
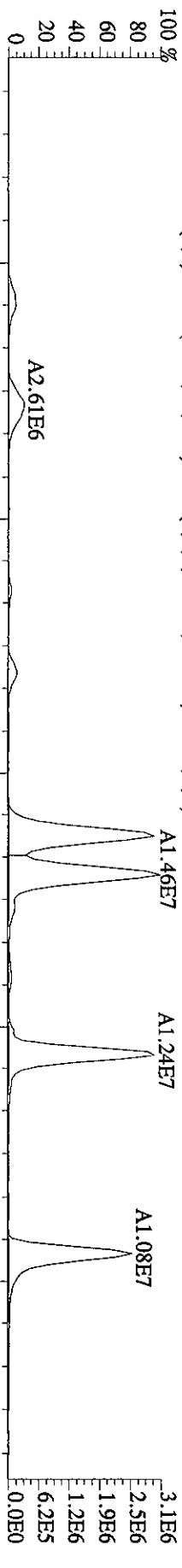
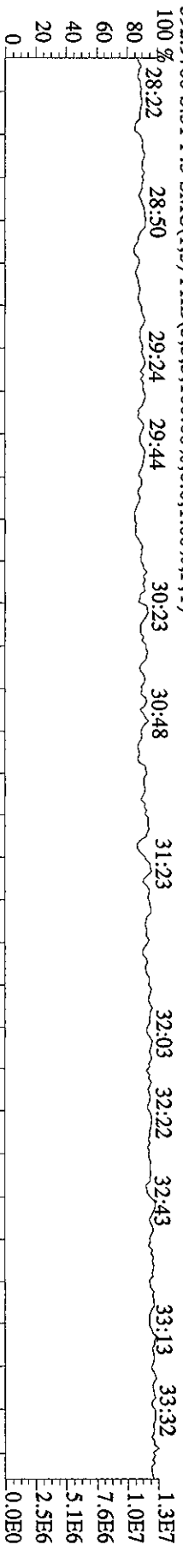


341.8567 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3976,0,1.00%,F,T)
A1.03E7
A9.32E6
1.7E6
1.3E6
9.9E5
6.6E5
3.3E5
0.0E0



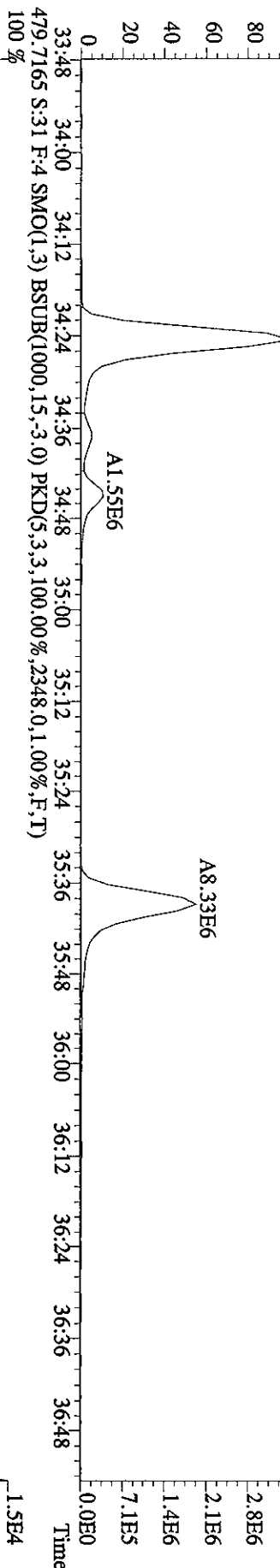
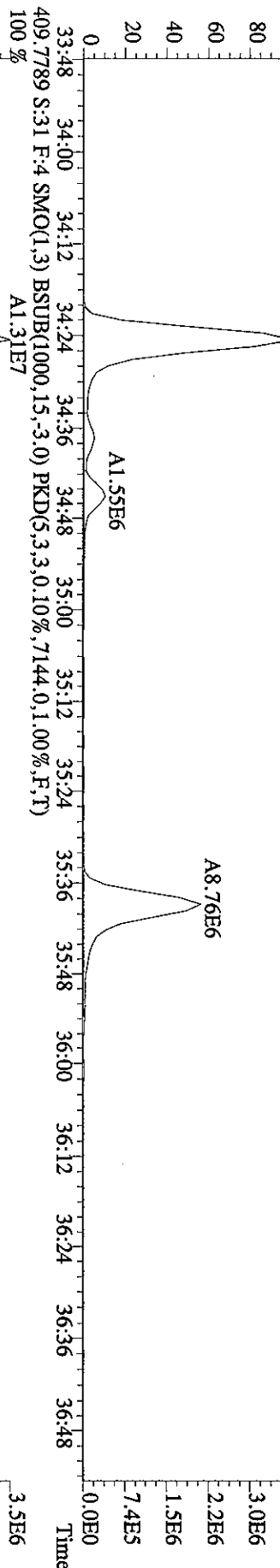
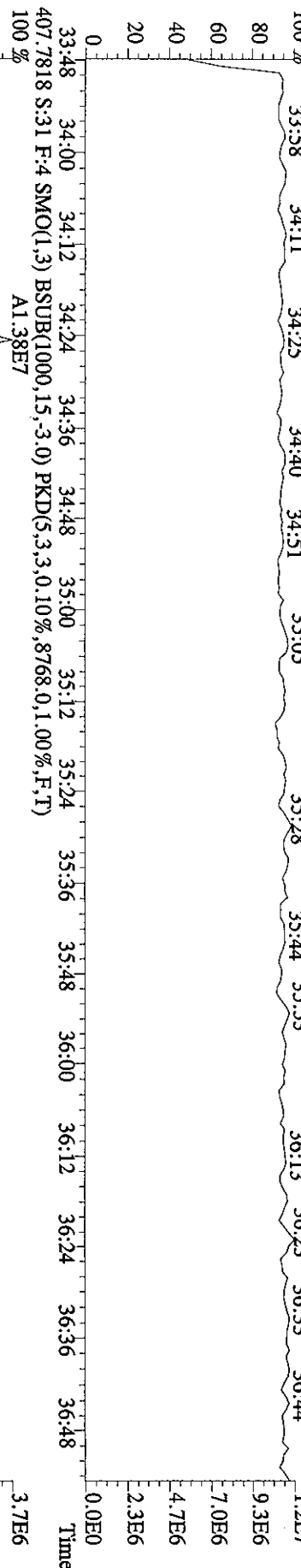
409.7974 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4472,0,1.00%,F,T)
A1.94E6
A6.01E5
1.9E4
1.5E4
1.1E4
7.5E3
3.8E3
0.0E0



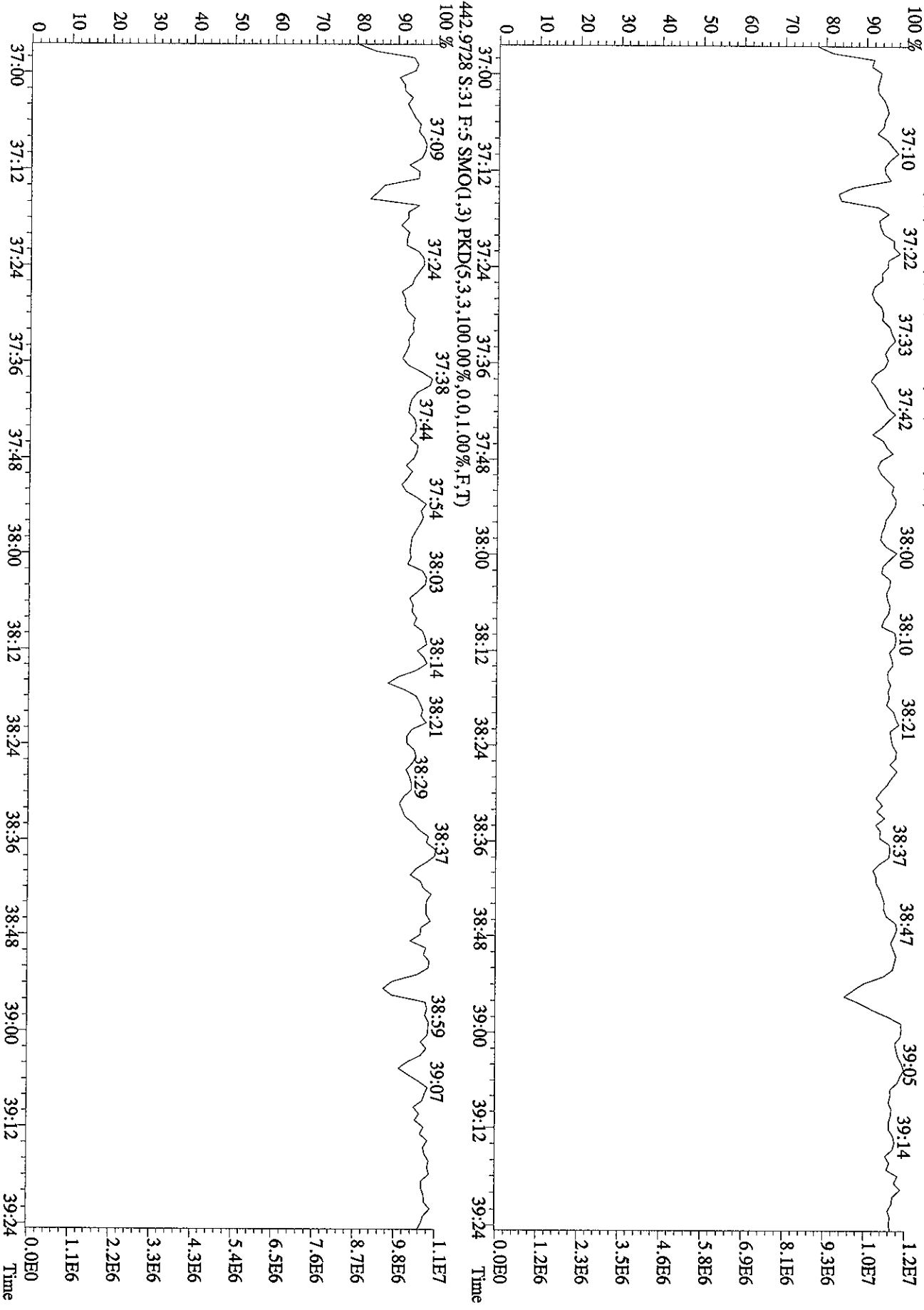


Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN

430.9728 S:31 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:20MR061D5 #1-179 Acq:21-MAR-2006 07:22:40 GC EI + Voltage SIR 70SE
 Sample#31 Text:H04HL-1-AD :G6C100424-1S Exp:DIOXIN
 454.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

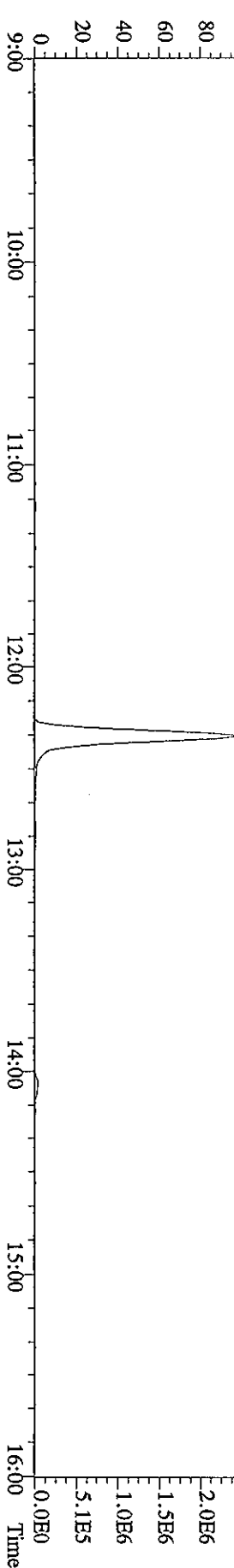
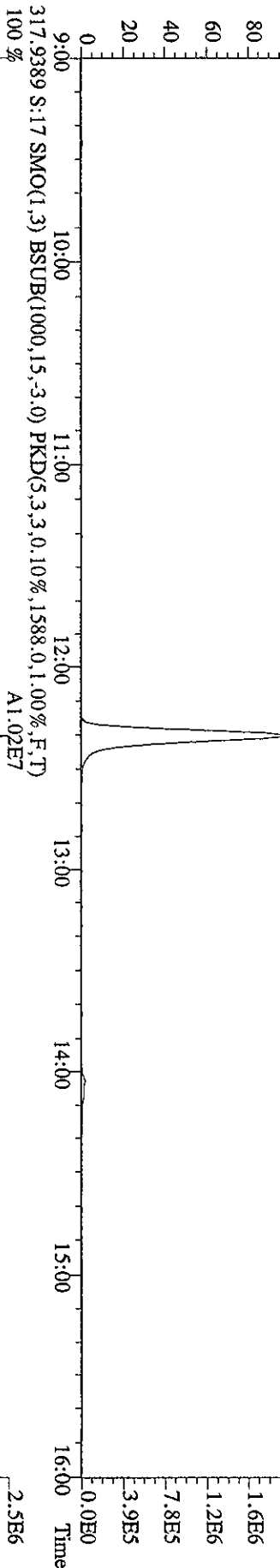
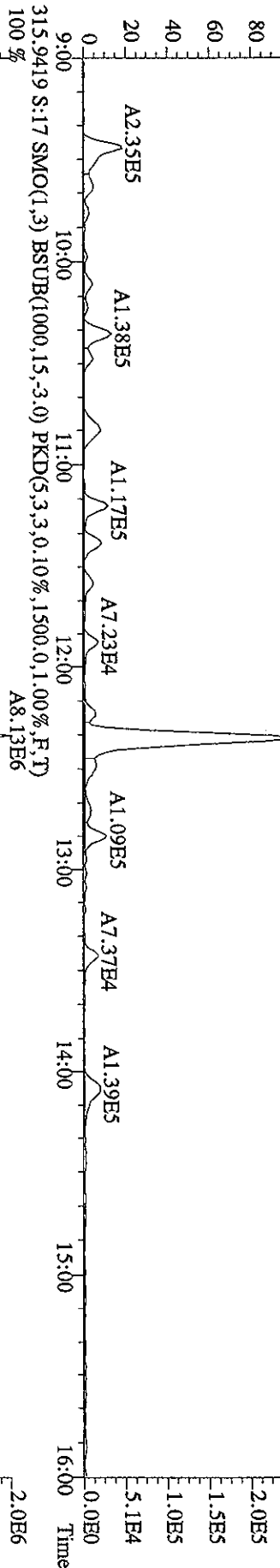
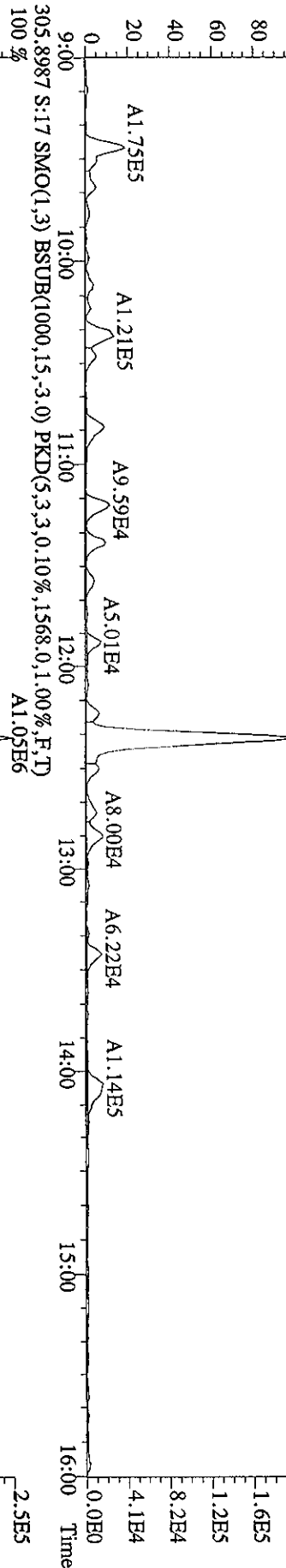


Run text: H04HL-1-AD Sample text: H04HL-1-AD :G6C100424-1S
 Run #20 Filename: 19MR067D2 S: 17 I: 1 Results: 19MR067D2DB225
 Acquired: 19-MAR-06 20:48:42 Processed: 20-MAR-06 08:17:55
 Run: 19MR067D2 Analyte: DB225 Cal: DB2250915057D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000g

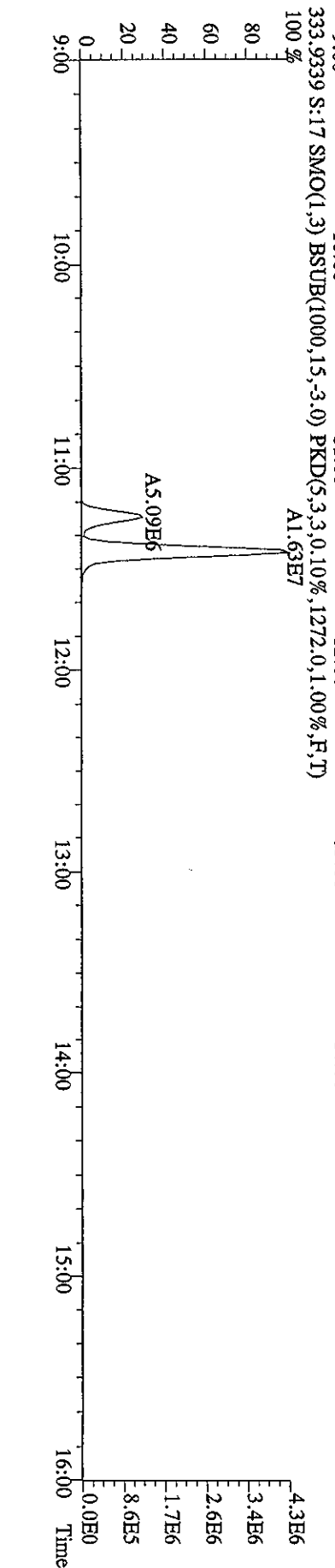
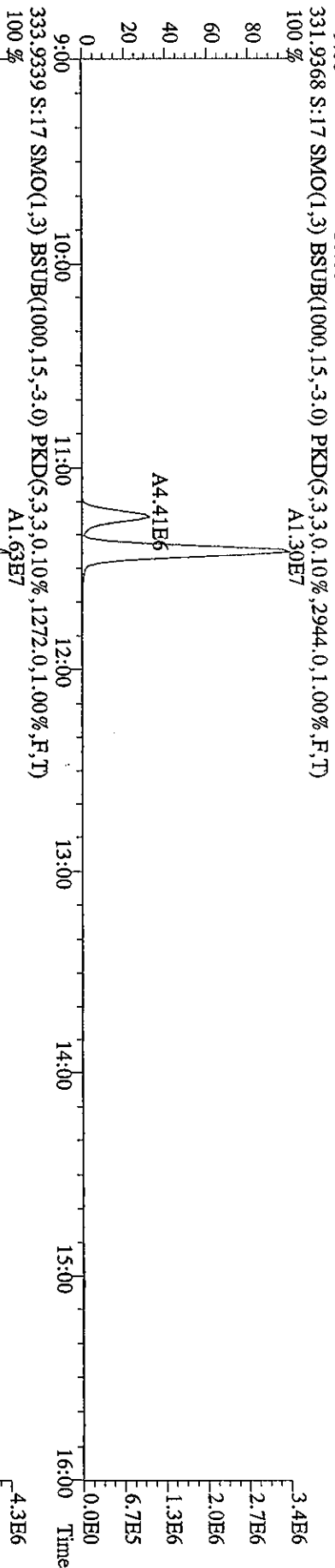
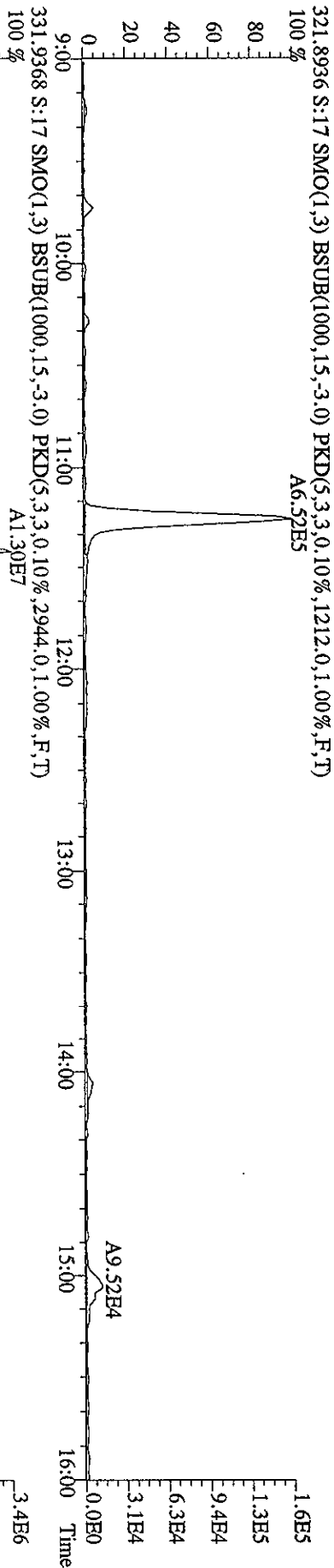
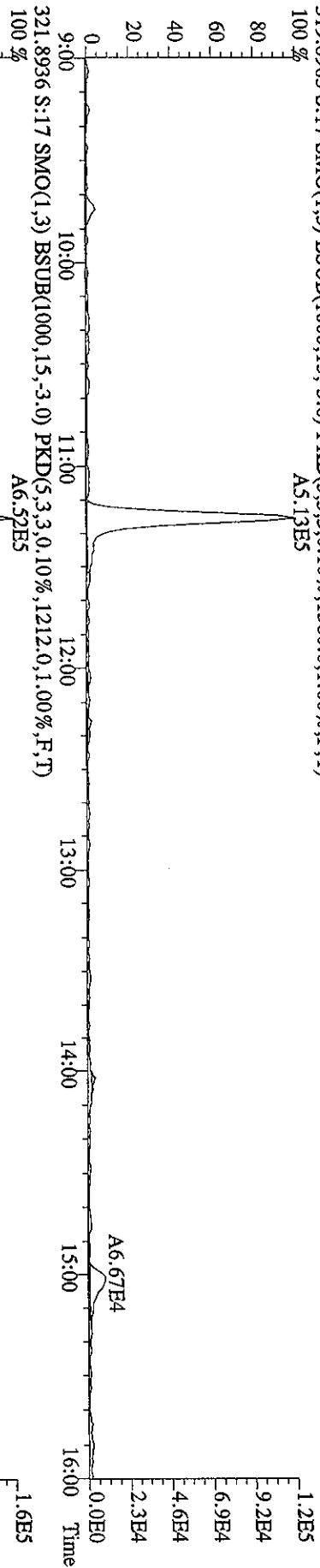
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	29301200	0.80 y	11:25	-	1.50	-	-	n
13C-2,3,7,8-TCDF	18305190	0.80 y	12:20	1.50	83.57	0.16	41.8	n
2,3,7,8-TCDF	1926363	0.83 y	12:21	0.92	22.90 <i>um</i>	0.42	-	n
13C-2,3,7,8-TCDD	9503220	0.87 y	11:15	0.81	80.32	0.41	40.2	n
2,3,7,8-TCDD	1164776	0.79 y	11:15	1.23	19.90	0.54	-	n
37C1-2,3,7,8-TCDD	22935800	1.00 y	11:15	1.96	79.74	0.00	99.7	n

7/13-22-06

File:19MR067D2 #1-1168 Acq:19-MAR-2006 20:48:42 GC EI+ Voltage SIR 70S
 Sample#17 Text:H04HL-1-AD :G6C100424-1S Exp:DB225
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1280,0,1.00%,F,T)
 100% A8.75E5



File: 19MR067D2 #1-1168 Acq: 19-MAR-2006 20:48:42 GC EI+ Voltage SIR 70S
Sample#17 Text: H04HL-1-AD : G6C100424-1S Exp: DB225
319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1380,0,1,00%,F,T)
100% A5.13E5

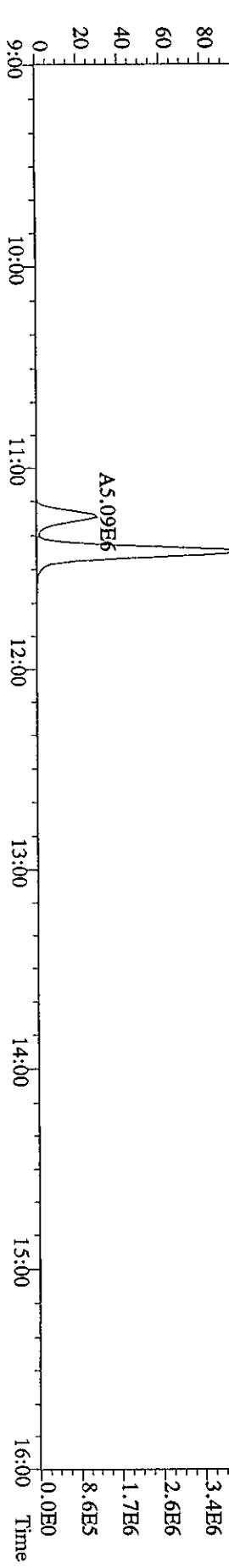


File:19MR067D2 #1-1168 Acq:19-MAR-2006 20:48:42 GC EI+ Voltage SIR 70S
 Sample#17 Text:H04HL-1-AD :G6C100424-1S Exp:DB225
 327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,0.0,1.00%,F,T)
 100 % A1.15E7

327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,0.0,1.00%,F,T)
 100 % A1.15E7

331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2944,0,1.00%,F,T)
 100 % A1.30E7

333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1272,0,1.00%,F,T)
 100 % A1.63E7



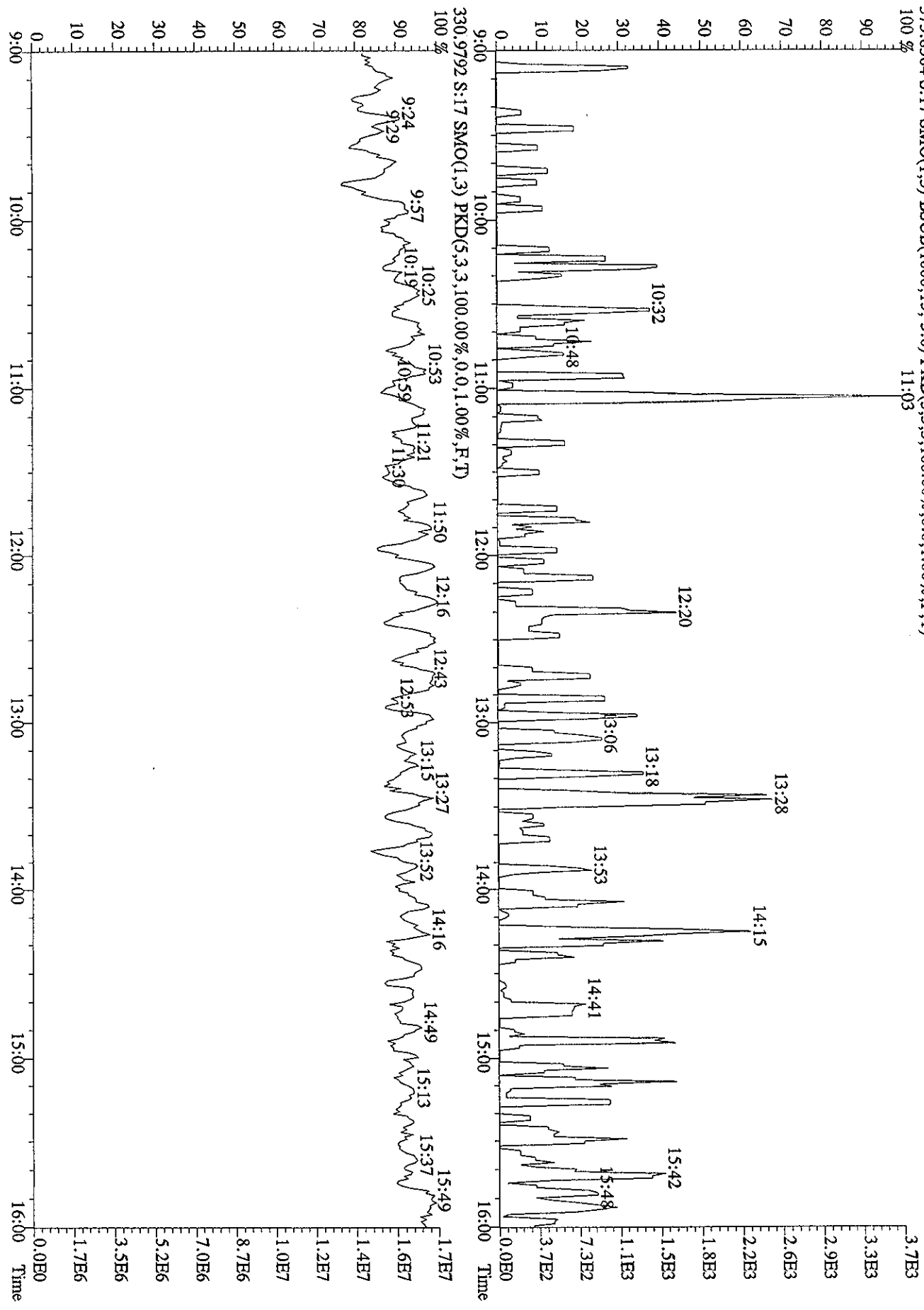
2.8E6
2.3E6
1.7E6
1.1E6
5.6E5
0.0E0

2.8E6
2.3E6
1.7E6
1.1E6
5.6E5
0.0E0

3.4E6
2.7E6
2.0E6
1.3E6
6.7E5
0.0E0

4.3E6
3.4E6
2.6E6
1.7E6
8.6E5
0.0E0

File:19MR067D2 #1-1168 Acq:19-MAR-2006 20:48:42 GC EI+ Voltage SIR 70S
 Sample#17 Text:H04HL-1-AD :G6C100424-1S Exp:DB225
 375.8364 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 11:03



Run text: H04HL-1-AE Sample text: H04HL-1-AE :G6C100424-1D
 Run #32 Filename: 20MR061D5 S: 32 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 08:04:18 Processed: 21-MAR-06 09:01:55
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000g

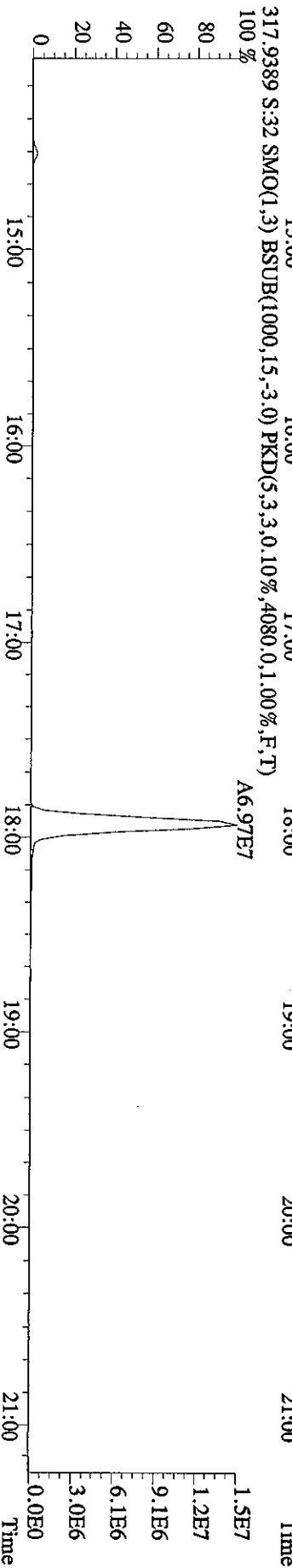
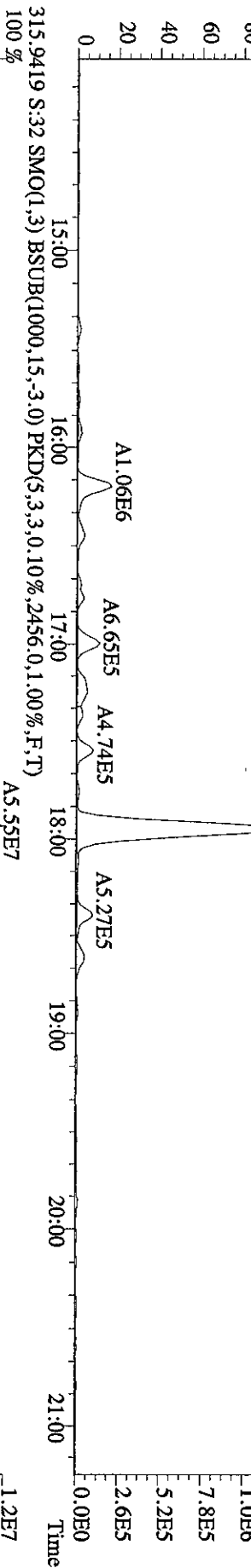
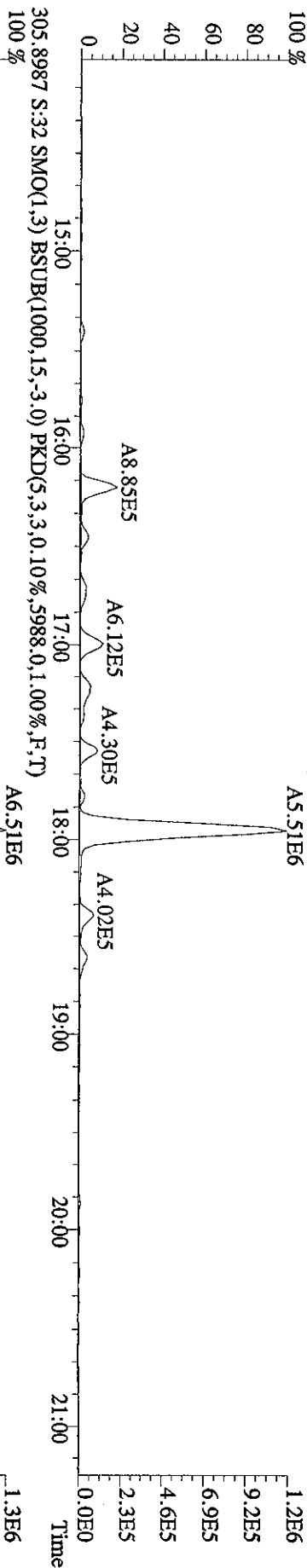
Spilling CMC = 20/100/200 µg/g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	98283300	0.81 y	18:28	-	8.35	-	-	n
13C-2,3,7,8-TCDF	125176500	0.80 y	17:56	1.70	149.81	0.11	74.9	n
2,3,7,8-TCDF	12020130	0.85 y	17:57	1.10	17.40	0.18	-	n
Total TCDF	19962083	0.85 y	15:25	1.10	28.90	0.18	-	n
13C-2,3,7,8-TCDD	65204700	0.79 y	18:40	0.87	152.74	0.41	76.4	n
2,3,7,8-TCDD	5857490	0.80 y	18:41	1.42	12.66	0.14	-	n
Total TCDD	6413906	0.94 n	16:22	1.42	13.86	0.14	-	n
37Cl-2,3,7,8-TCDD	80864200	1.00 y	18:41	2.41	68.34	0.04	85.4	n
13C-1,2,3,7,8-PeCDF	95568300	1.62 y	23:14	1.42	136.93	0.10	68.5	n
1,2,3,7,8-PeCDF	35246200	1.62 y	23:15	1.04	70.68	0.25	-	n
2,3,4,7,8-PeCDF	34323400	1.59 y	24:39	1.07	66.85	0.24	-	n
Total F2 PeCDF	81083281	1.87 n	21:36	1.06	160.28	0.25	-	n
Total F1 PeCDF	714224	0.14 n	15:56	1.06	1.41	0.16	-	n
13C-1,2,3,7,8-PeCDD	53168800	1.60 y	25:22	0.83	129.66	0.14	64.8	n
1,2,3,7,8-PeCDD	19006400	1.69 y	25:25	1.05	67.84	0.61	-	n
Total PeCDD	19715698	2.11 n	22:02	1.05	70.37	0.61	-	n
13C-1,2,3,7,8,9-HxCDD	66310700	1.30 y	32:41	-	6.13	-	-	n
13C-1,2,3,4,7,8-HxCDF	61630200	0.51 y	31:13	1.33	139.24	0.16	69.6	n
1,2,3,4,7,8-HxCDF	30319900	1.25 y	31:14	1.14	86.55	0.62	-	n
1,2,3,6,7,8-HxCDF	32251100	1.29 y	31:24	1.23	84.82	0.57	-	n
2,3,4,6,7,8-HxCDF	28637700	1.28 y	32:07	1.13	82.23	0.63	-	n
1,2,3,7,8,9-HxCDF	27455100	1.31 y	32:53	1.10	81.34	0.65	-	n
Total HxCDF	125605870	1.35 y	29:07	1.15	354.55	0.62	-	n
13C-1,2,3,6,7,8-HxCDD	52231200	1.26 y	32:22	0.97	161.94	0.15	81.0	n
1,2,3,4,7,8-HxCDD	15544760	1.29 y	32:17	0.98	61.04	0.22	-	n
1,2,3,6,7,8-HxCDD	18757780	1.32 y	32:23	1.07	67.21	0.20	-	n
1,2,3,7,8,9-HxCDD	18994220	1.31 y	32:42	1.10	66.25	0.20	-	n
Total HxCDD	54259368	1.17 y	30:29	1.05	198.03	0.20	-	n
13C-1,2,3,4,6,7,8-HpCDF	47373300	0.44 y	34:24	1.06	134.67	0.84	67.3	n
1,2,3,4,6,7,8-HpCDF	29067100	1.12 y	34:25	1.37	89.70	0.38	-	n
1,2,3,4,7,8,9-HpCDF	23171600	1.05 y	35:39	1.23	79.45	0.42	-	n
Total HpCDF	55951199	1.12 y	34:25	1.30	181.22	0.40	-	n
13C-1,2,3,4,6,7,8-HpCDD	37607900	1.02 y	35:17	0.89	126.74	0.43	63.4	n
1,2,3,4,6,7,8-HpCDD	14664960	1.08 y	35:18	1.06	73.61	0.43	-	n
Total HpCDD	15445641	3.15 n	34:24	1.06	77.53	0.43	-	n
13C-OCDD	46995200	0.90 y	38:00	0.76	186.23	0.56	46.6	n

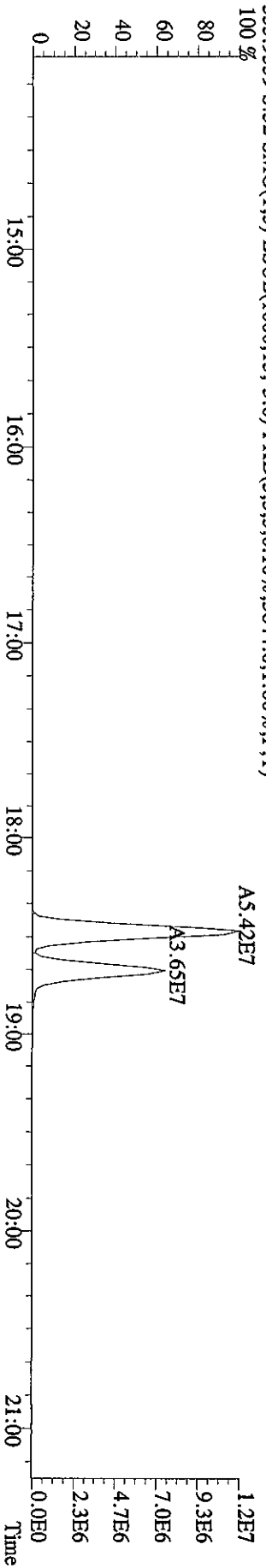
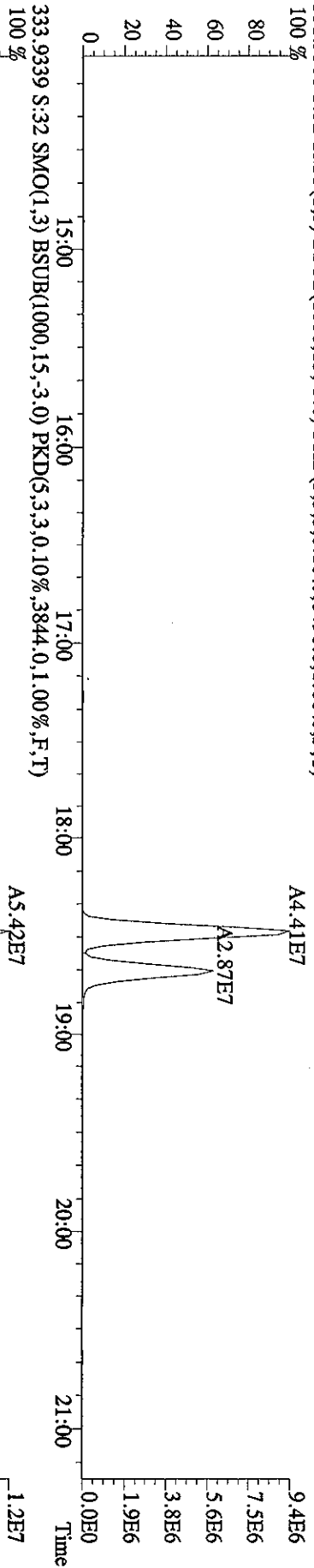
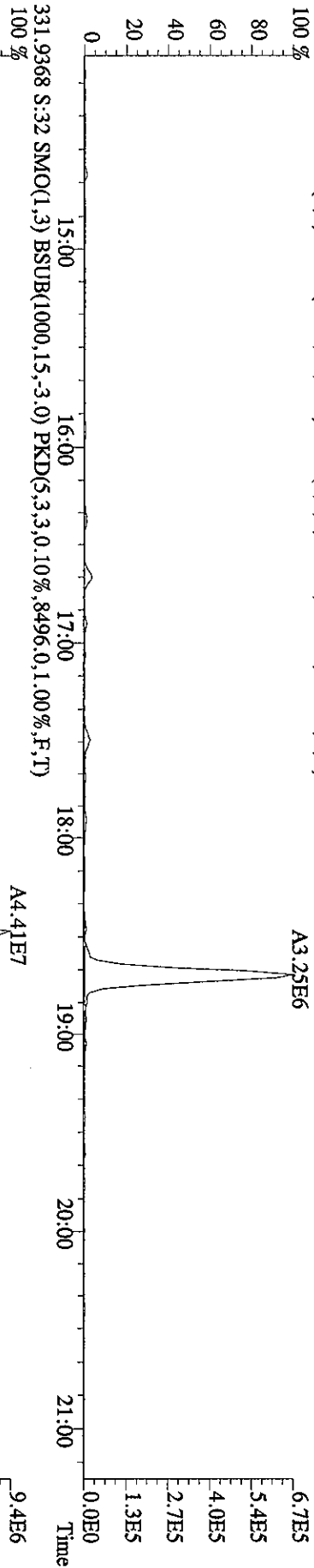
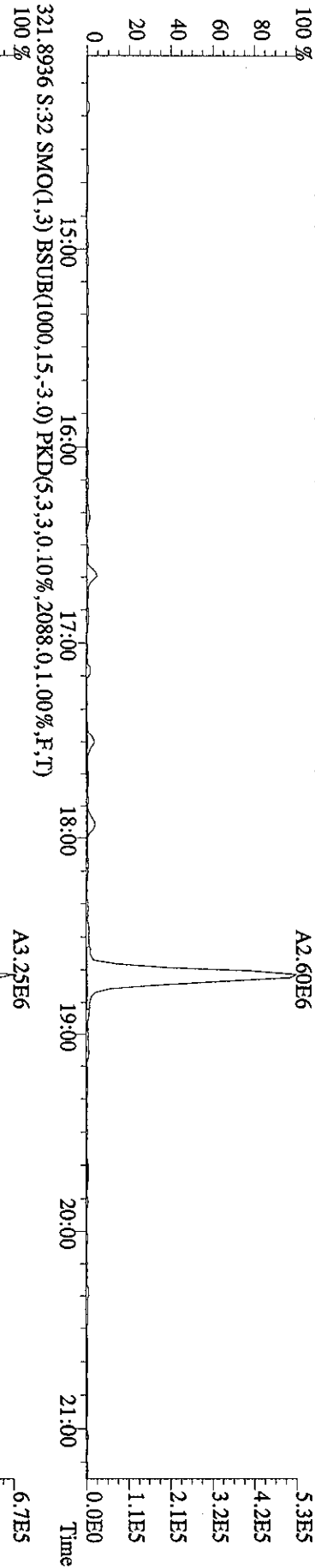
M/S 22.06

OCDF	33789200	0.89	y	38:06	1.46	197.62	0.72	-	n
OCDD	21285200	0.89	y	38:00	1.10	164.75 <i>J</i>	0.91	-	n

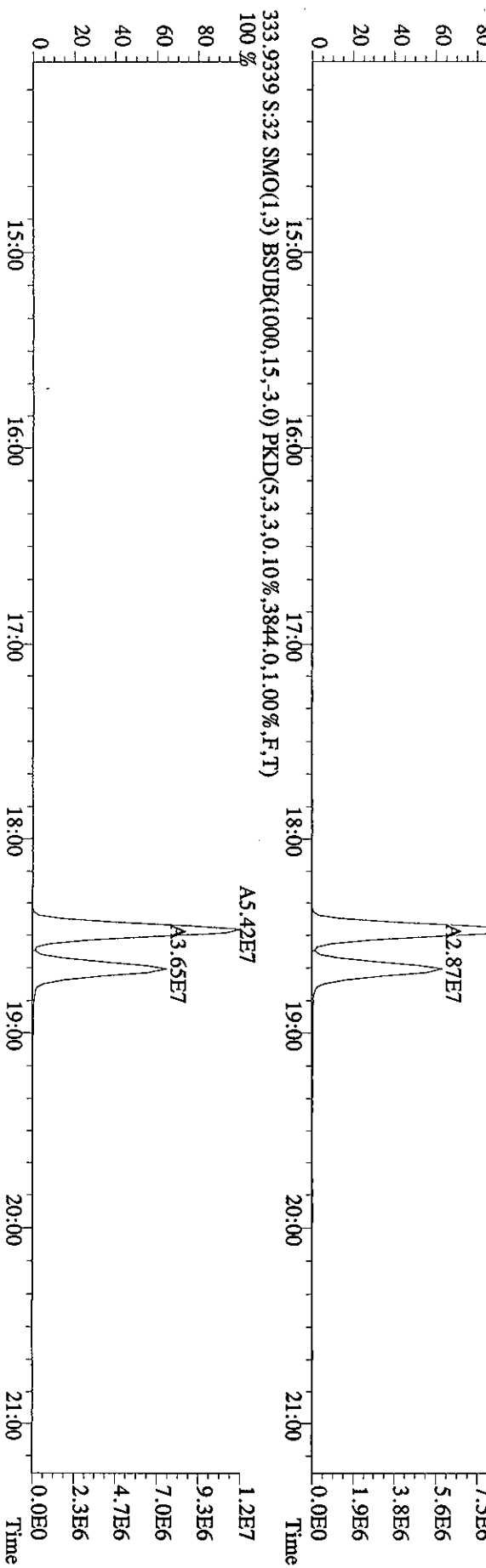
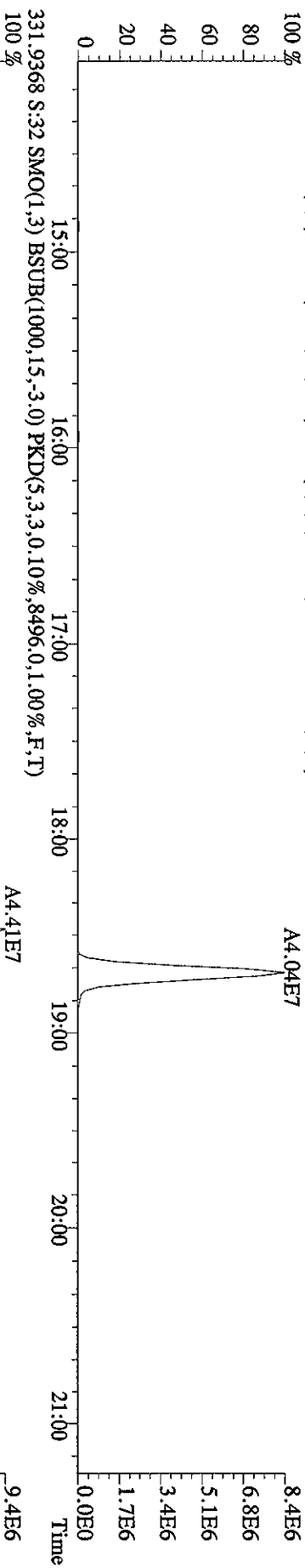
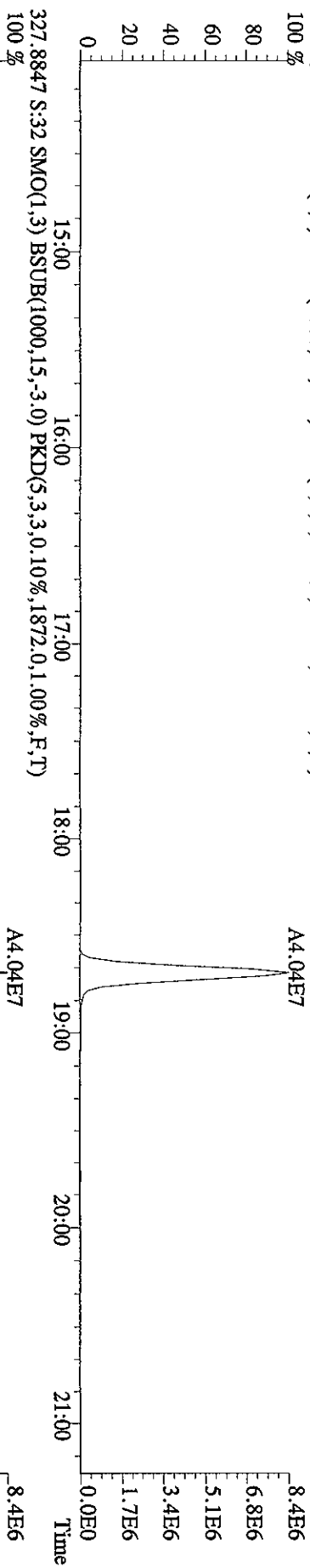
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:04:18 GC EI+ Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-1D Exp:DIOXIN
 303.9016 S:32 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3072,0,1.00%,F,T)



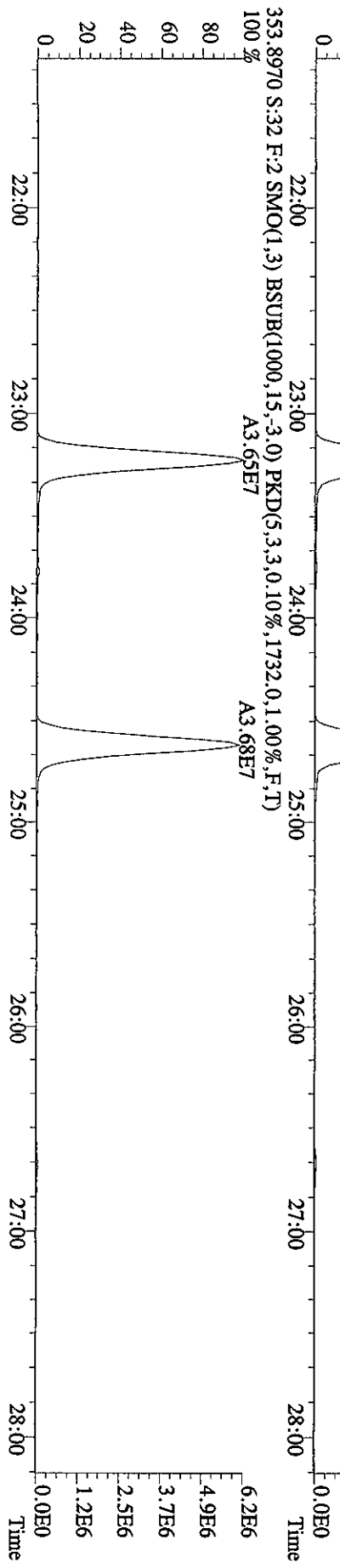
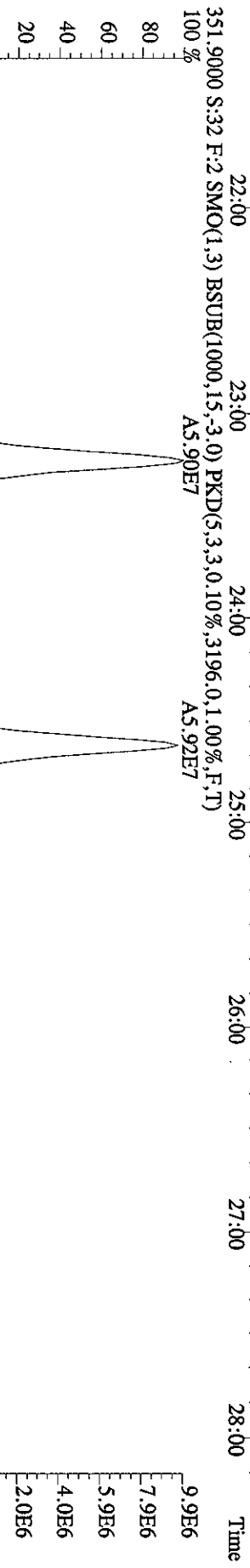
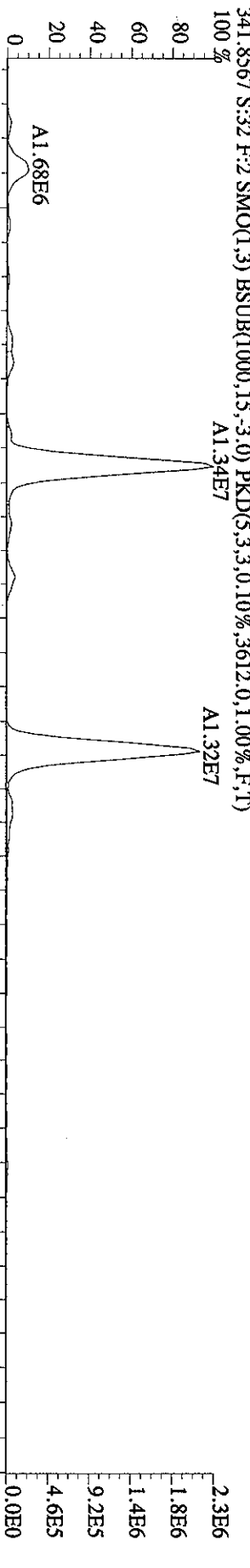
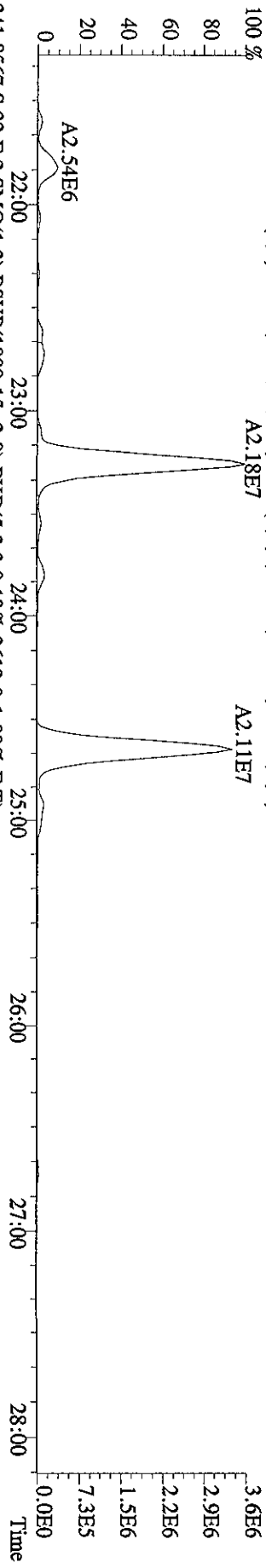
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-1D Exp:DIOXIN
 319.8965 S:32 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2448,0,1,100%,F,T)
 100%



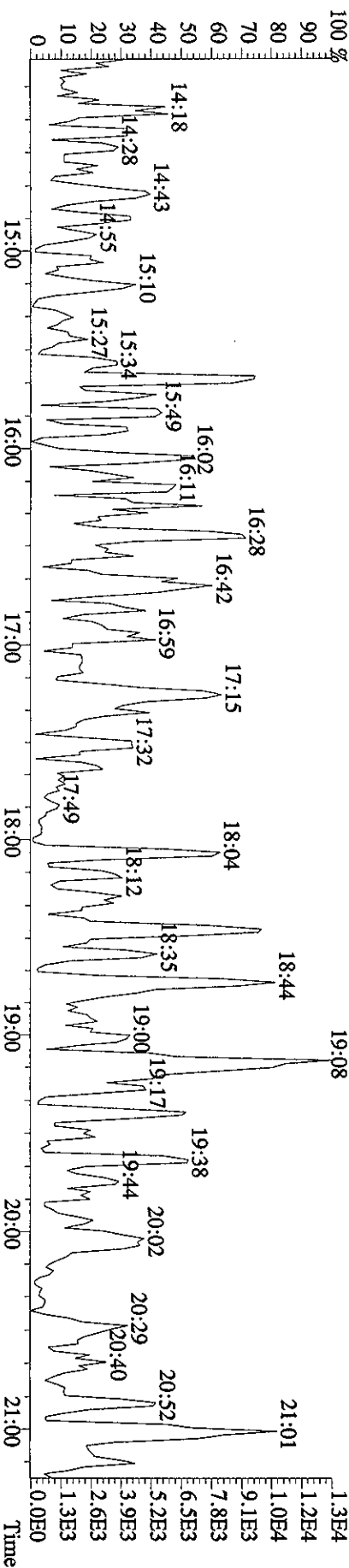
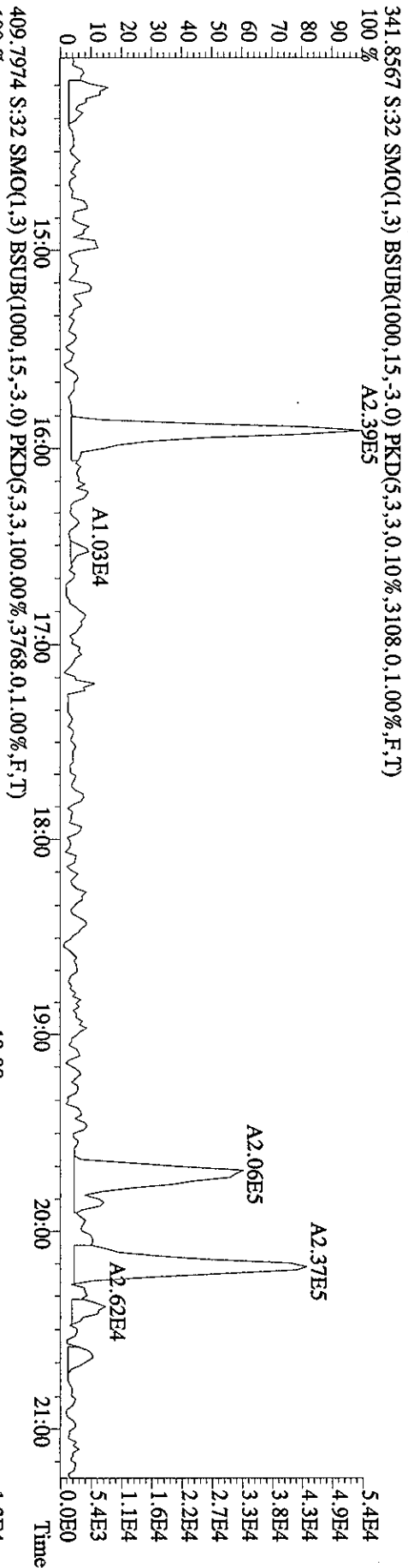
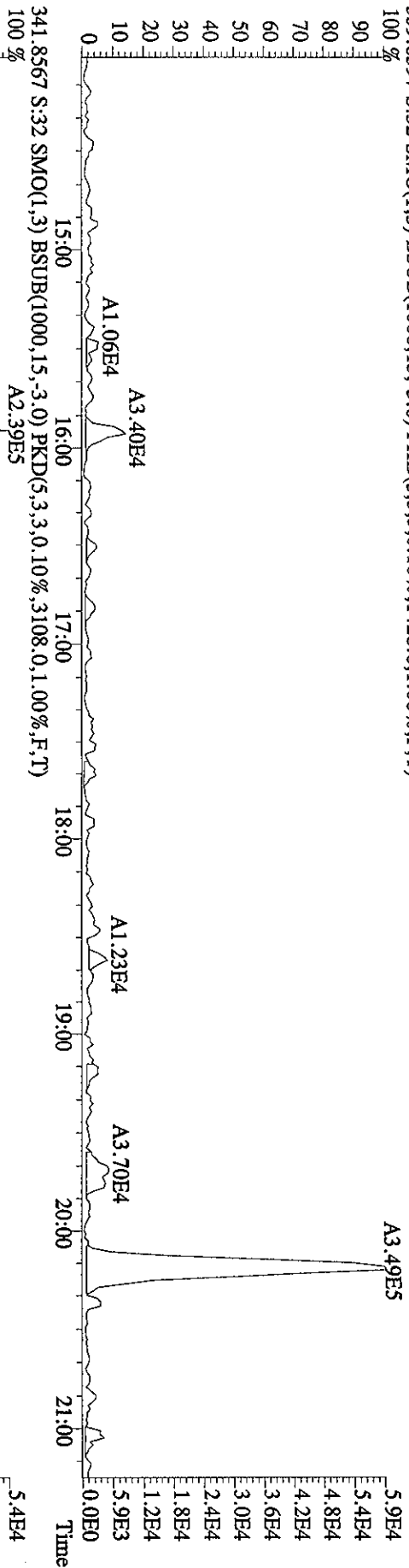
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:04:18 GC:EI + Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-ID Exp.:DIOXIN
 327.8847 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1872.0,1.00%,F,T)



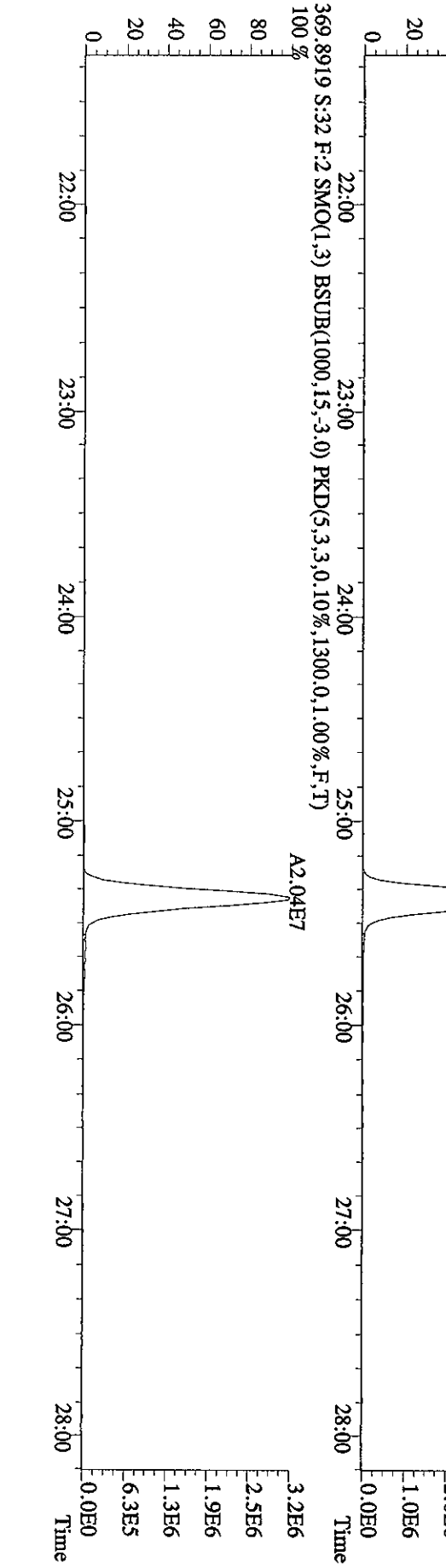
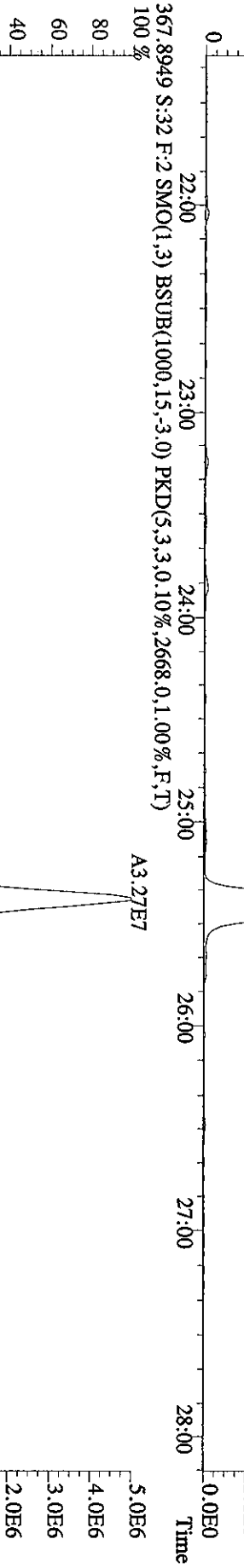
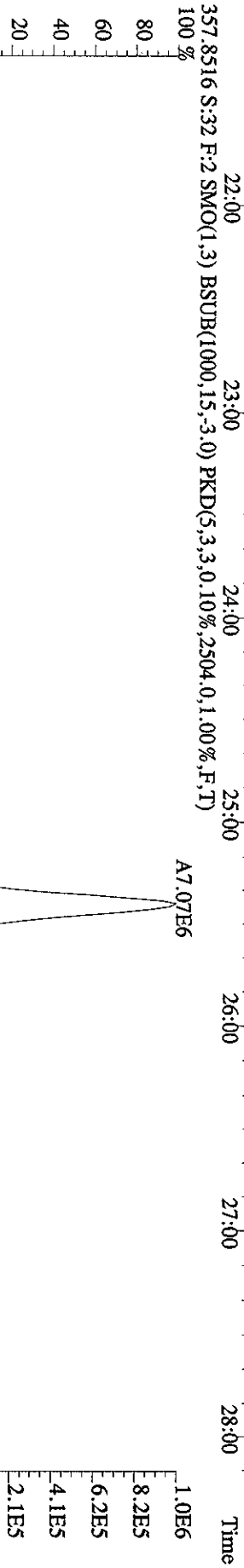
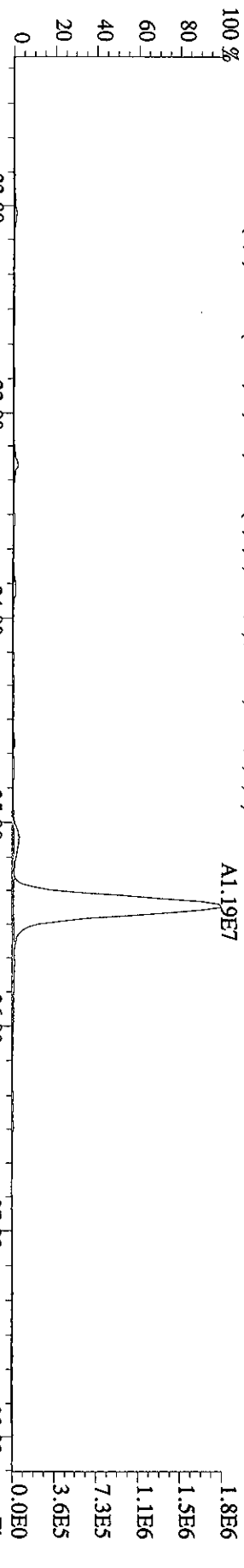
File:20MR061D5 #1-486 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-1D Exp:DIOXIN
 339.8597 S:32 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3408,0,1,00%,F,T)
 100%



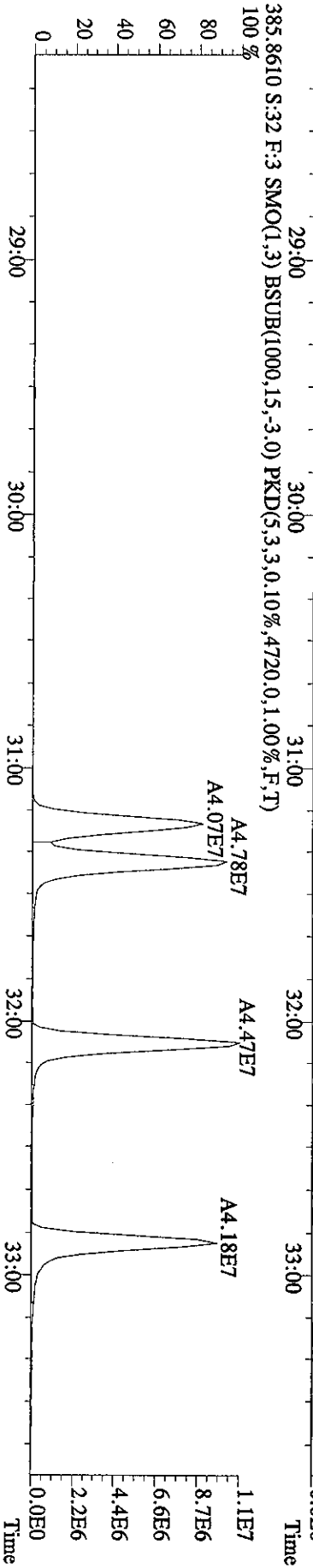
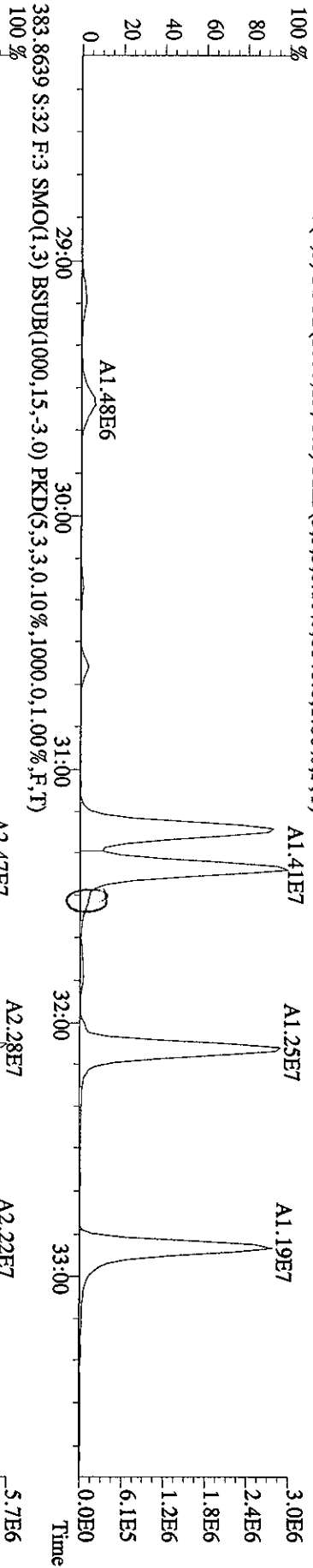
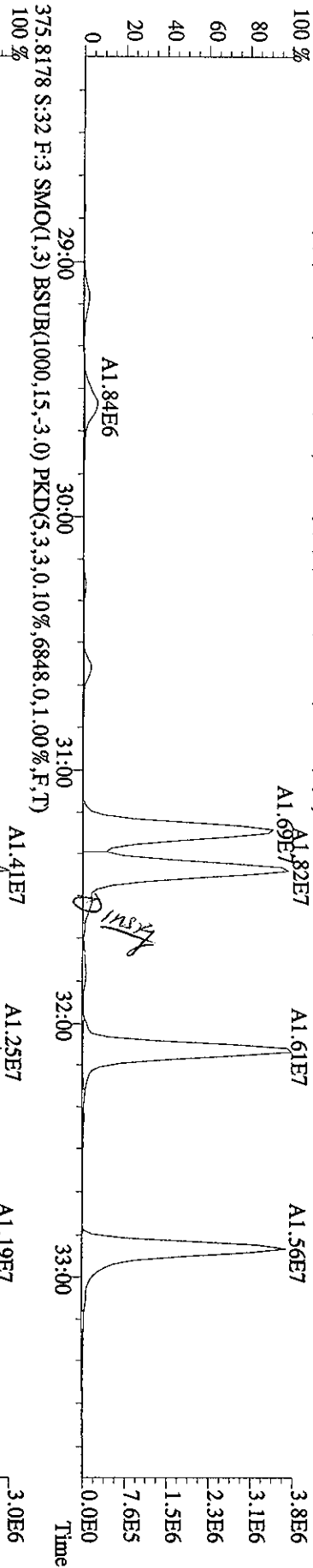
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-ID Exp:DIOXIN
 339.8597 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1428,0,1,00%,F,T)



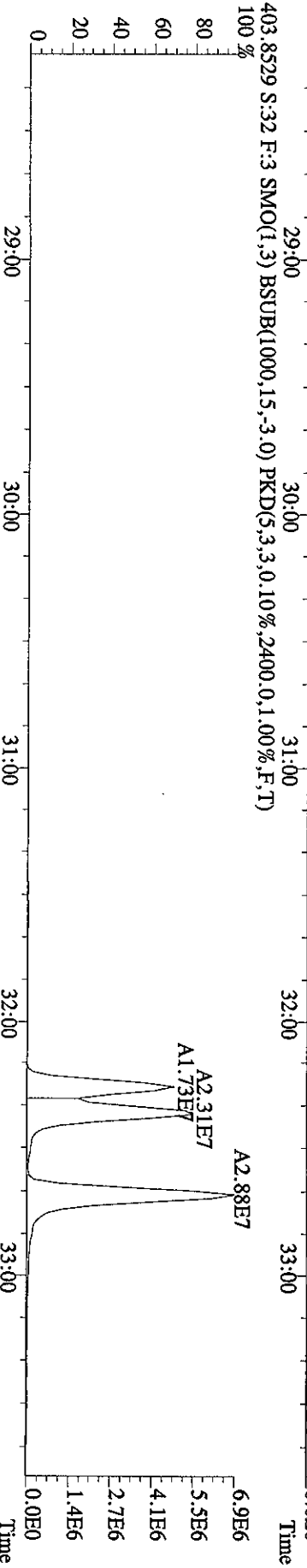
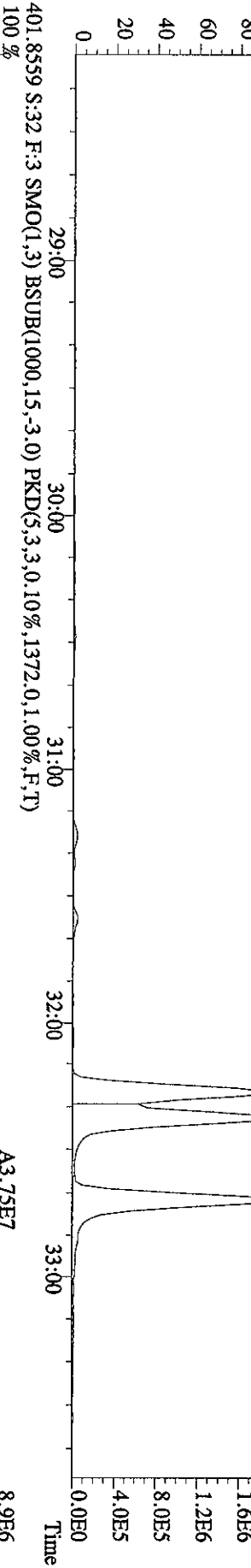
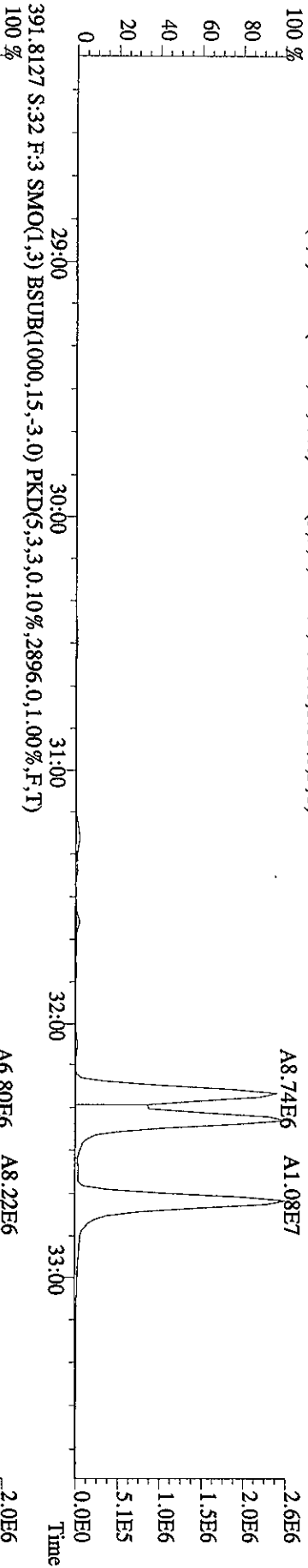
File:20MR061D5 #1-486 Acq:21-MAR-2006 08:04:18 GC EI+ Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-1D Exp:DIOXIN
 355.8546 S:32 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6264,0,1,00%,F,T)
 100 %



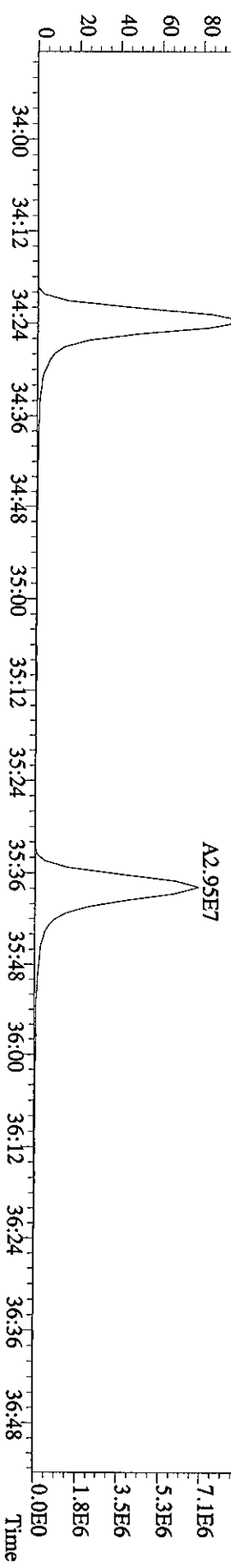
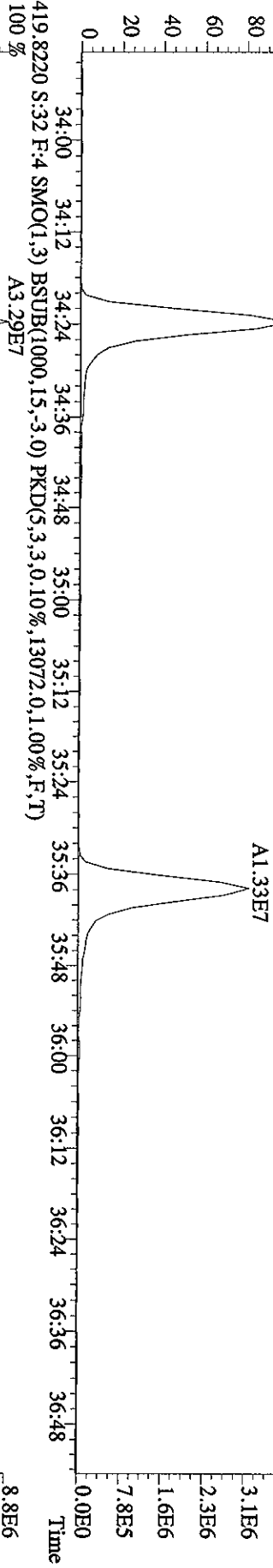
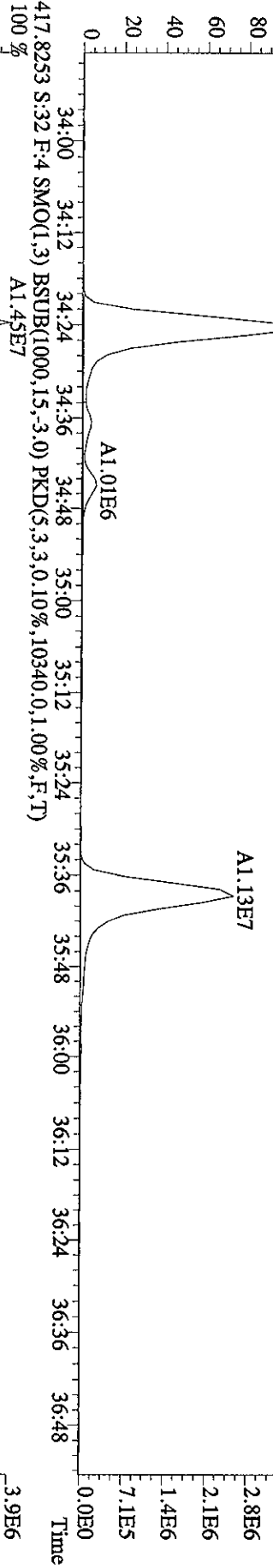
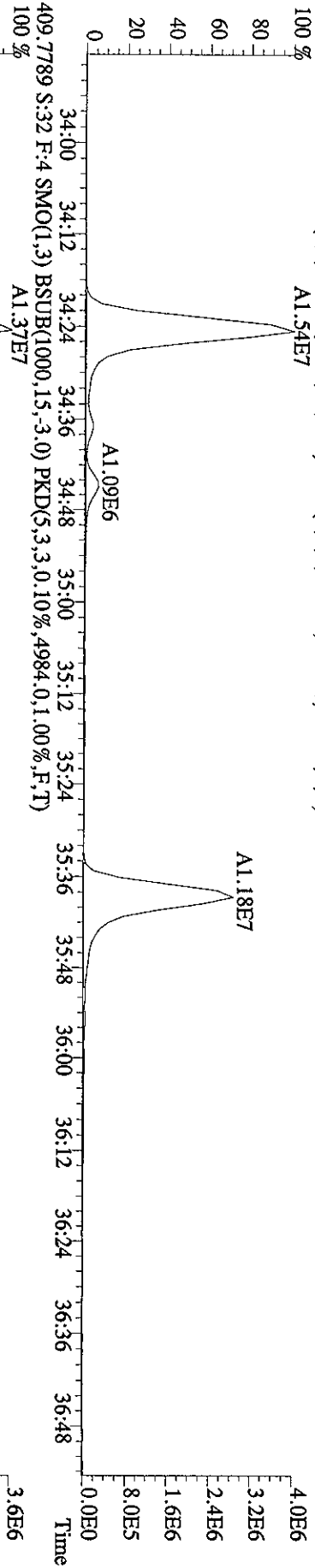
File:20MR061D5 #1-376 Acq:21-MAR-2006 08:04:18 GC EI+ Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-ID Exp:DIOXIN
 373.8208 S:32 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9312.0,1.00%,F,T)



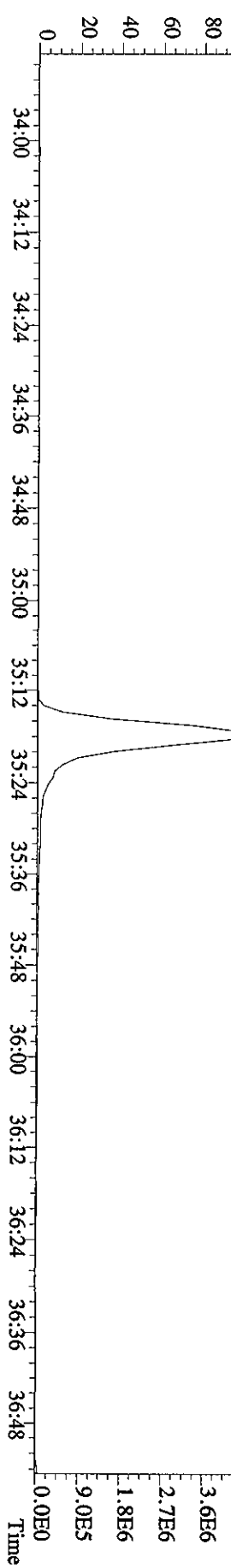
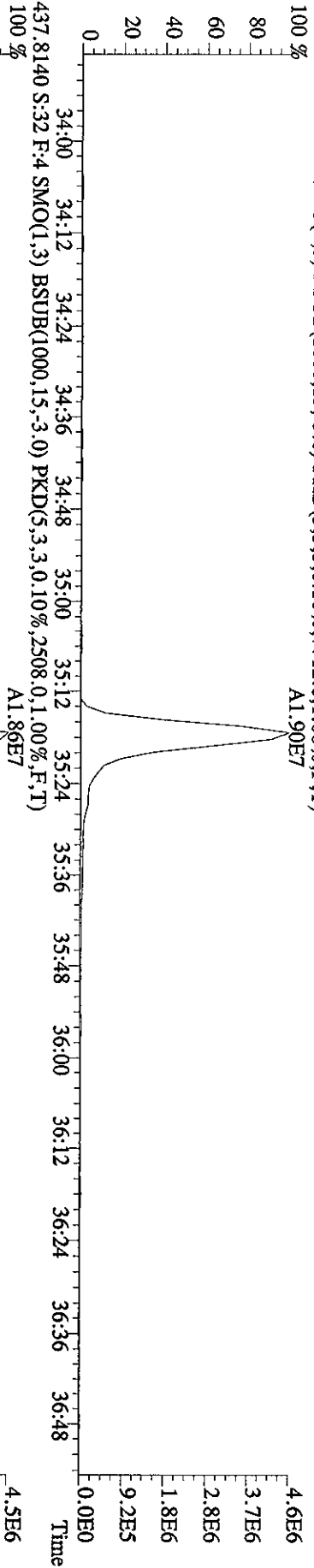
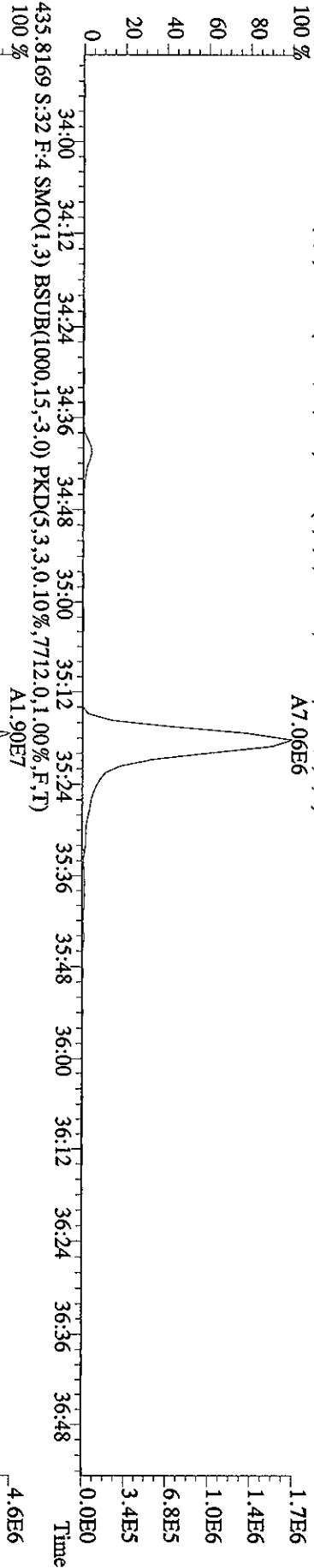
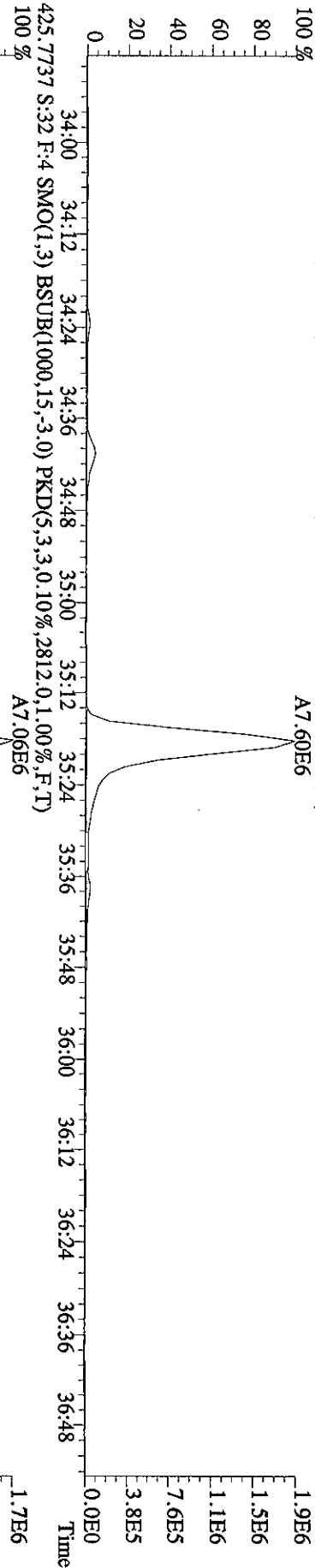
File:20MR061ID5 #1-376 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-ID Exp:DIOXIN
 389.8157 S:32 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1516,0,1,00%,F,T)



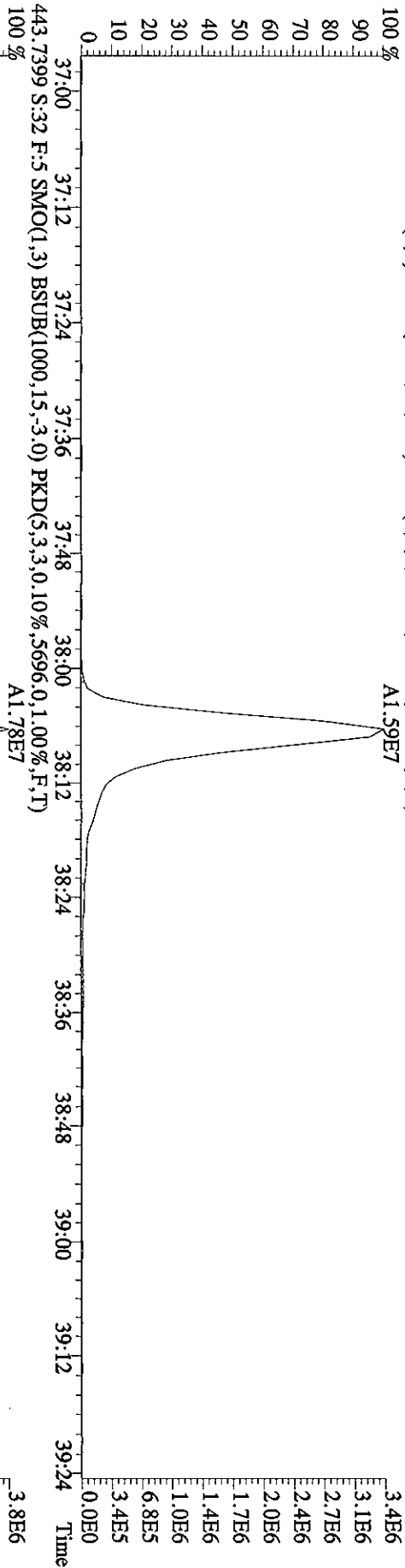
File: 20MR061D5 #1-219 Acq: 21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE
 Sample#32 Text: H04HL-1-AE : G6C100424-1D Exp: DIOXIN
 407.7818 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5984,0.1,0.0%,F,T)
 100%



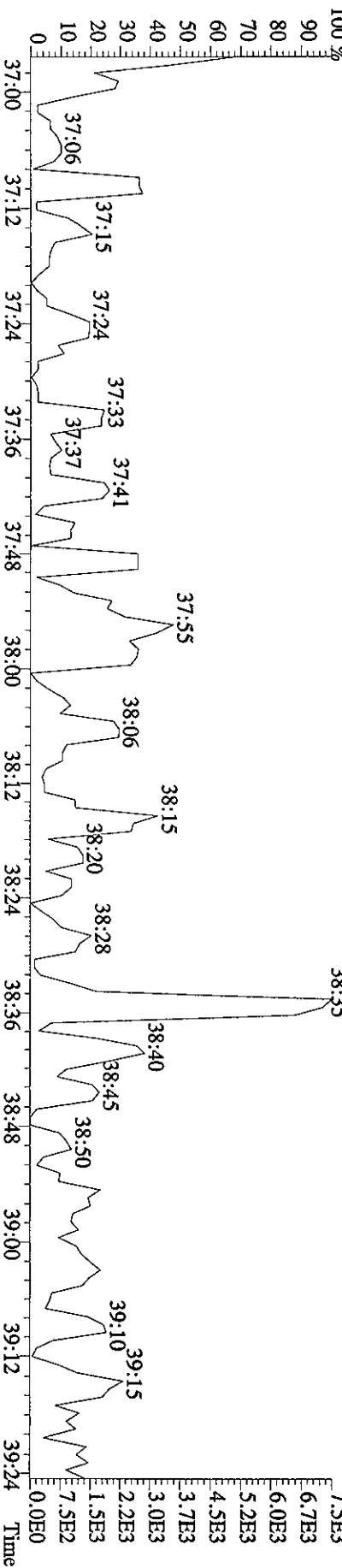
File:20MR061D5 #1-219 Acq:21-MAR-2006 08:04:18 GC EI+ Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-1D Exp:DIOXIN
 423.7766 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4128.0,1.00%,F,T)
 100% A7.60E6



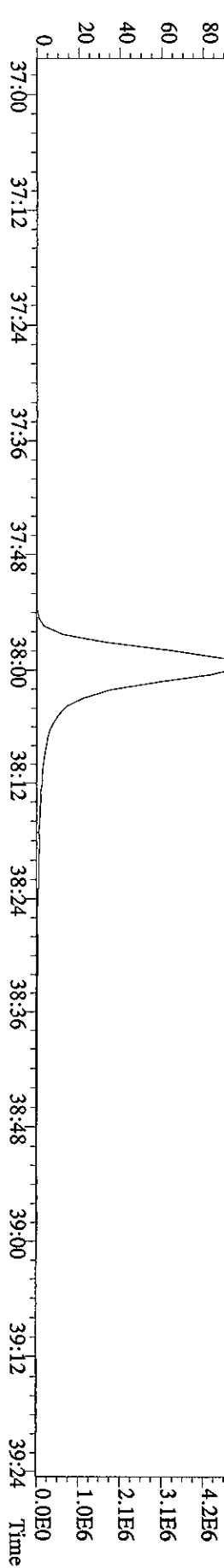
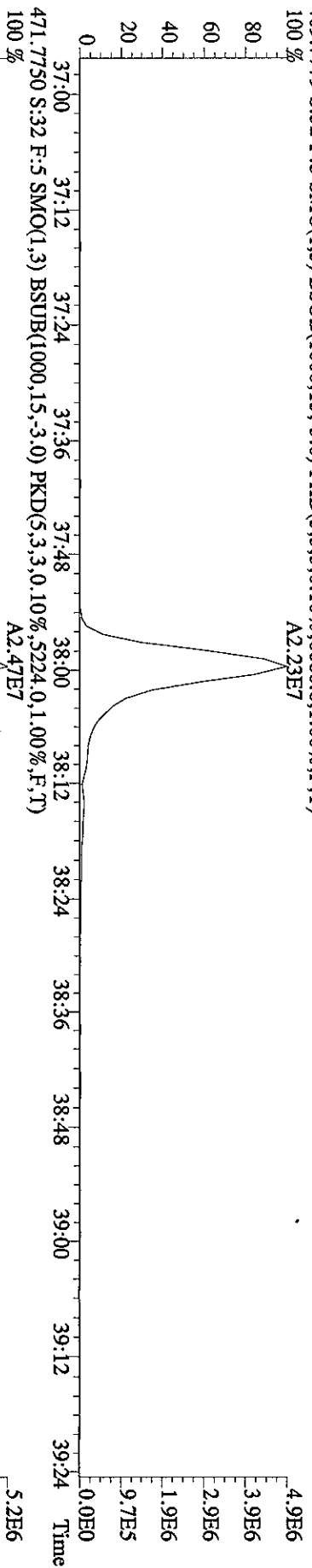
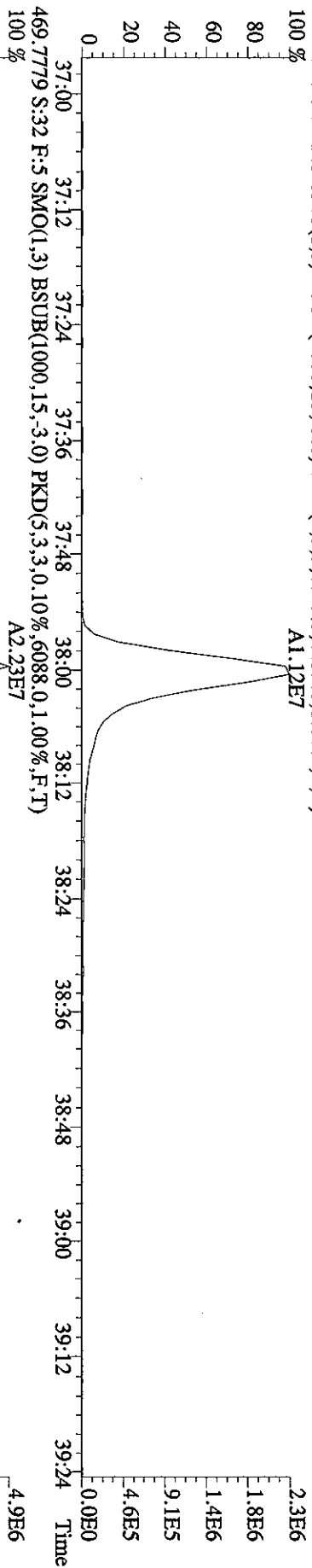
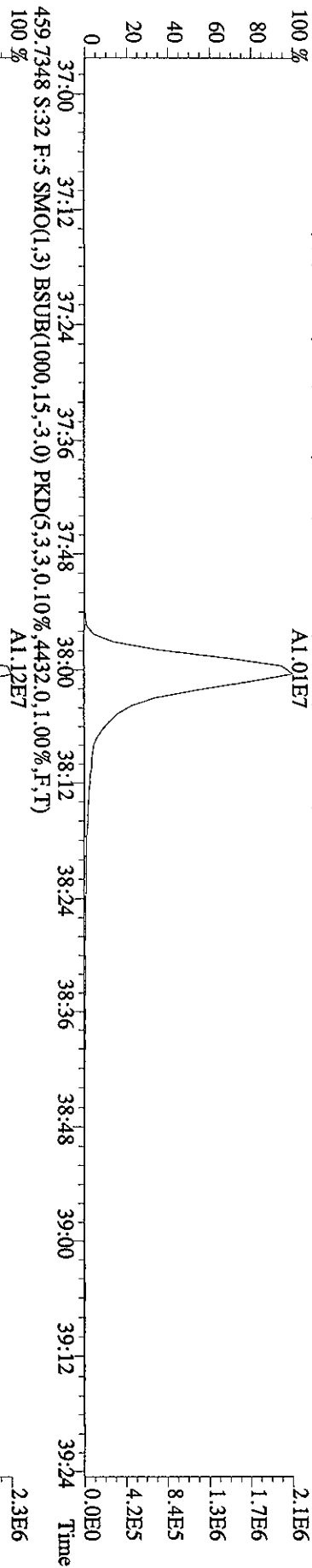
File: 20MR061D5 #1-179 Acq: 21-MAR-2006 08:04:18 GC EI+ Voltage SIR 70SE
 Sample#32 Text: H04HL-1-AE : G6C100424-1D Exp: DIOXIN
 441.7428 S:32 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3120.0,1.00%,F,T)
 100% A1.59E7



443.7399 S:32 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5696.0,1.00%,F,T)
 100% A1.78E7



File:20MR061D5 #1-179 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-ID Exp:DIOXIN
 457.7377 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3948,0,1.00%,F,T)
 100% A1.01E7

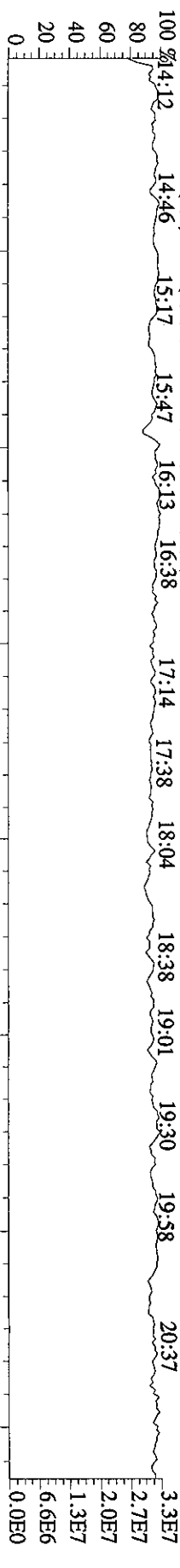


File:20MR061D5 #1-393 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE

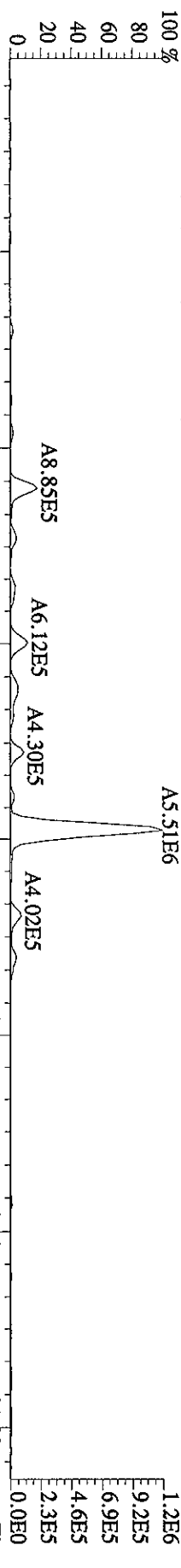
Sample#32 Text:H04HL-1-AE :G6C100424-1D Exp:DIOXIN

292.9835 S:32 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

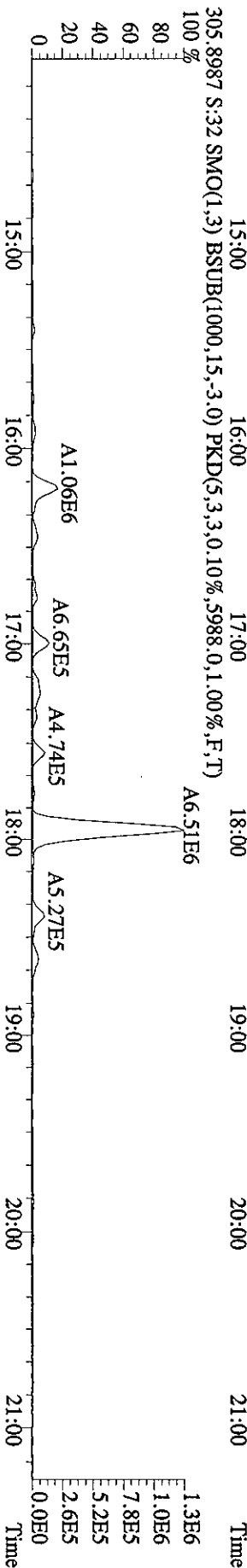
100 %14:12 14:46 15:17 15:47 16:13 16:38 17:14 17:38 18:04 18:38 19:01 19:30 19:58 20:37



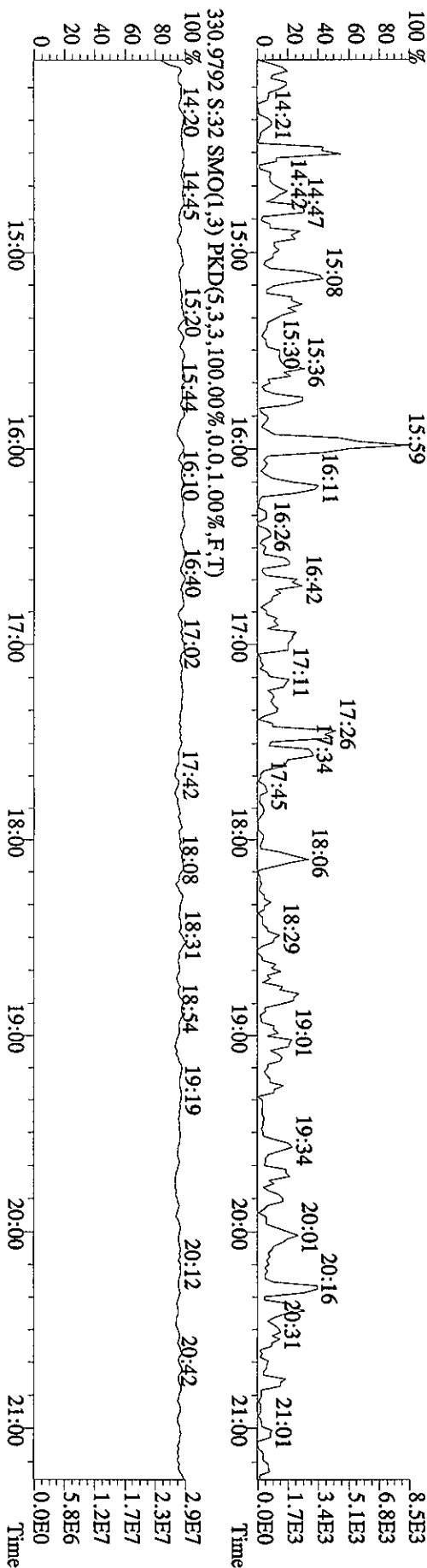
303.9016 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3072.0,1.00%,F,T)



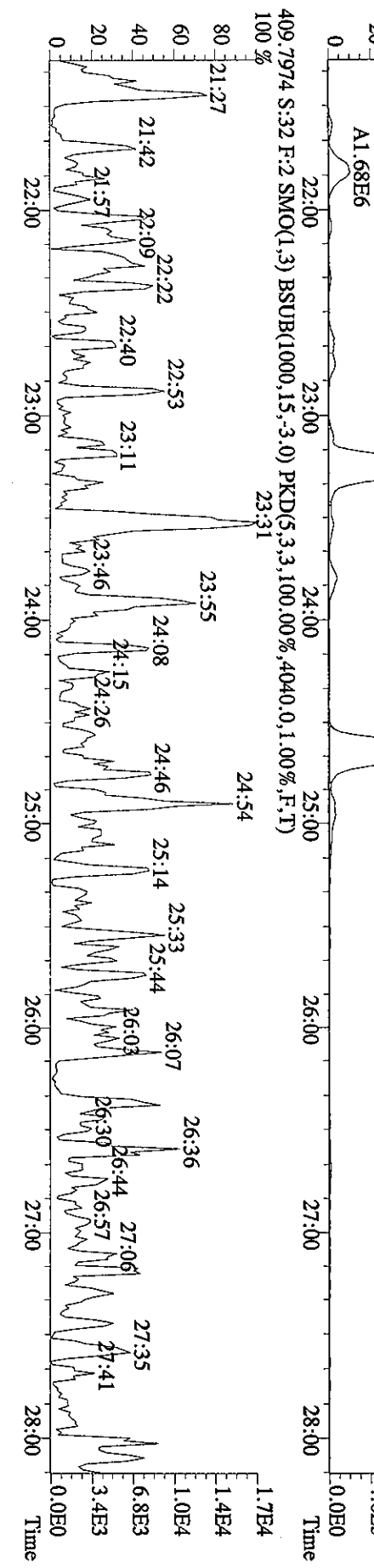
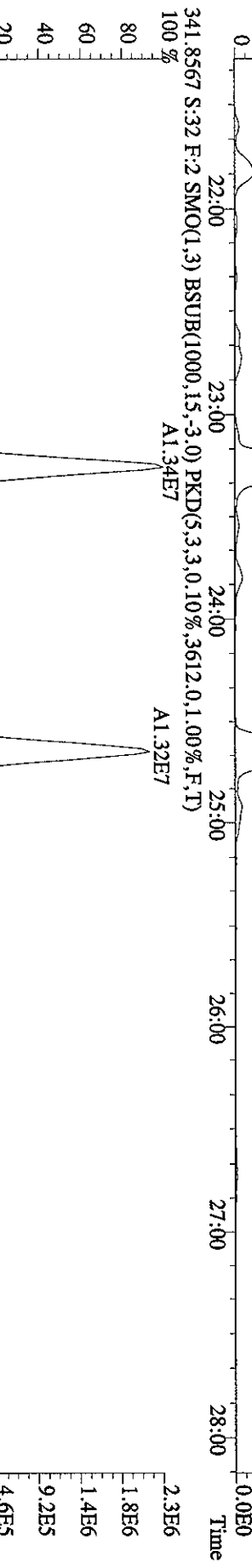
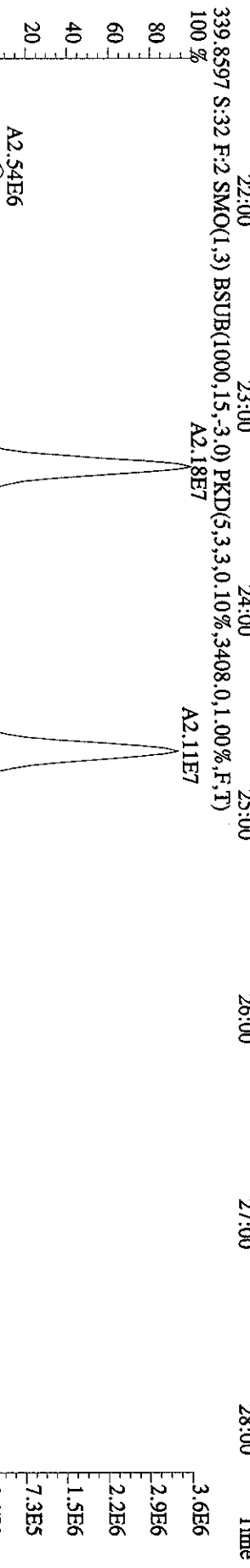
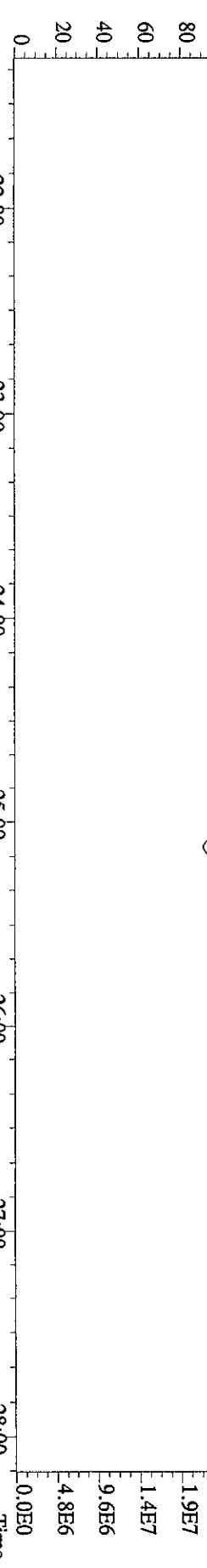
305.8987 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5988.0,1.00%,F,T)



375.8364 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,692.0,1.00%,F,T)



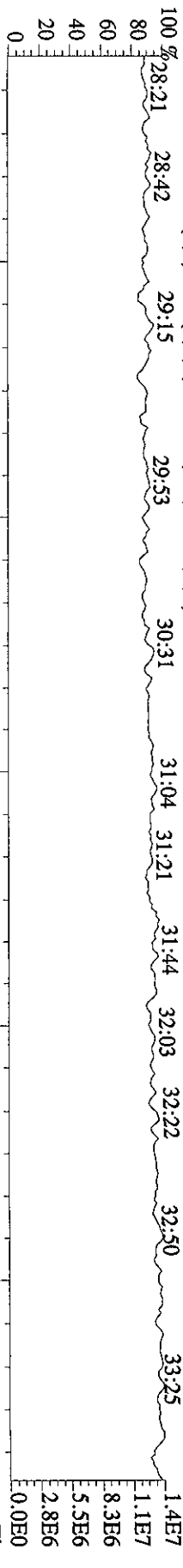
File:20MR061D5 #1-486 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE
 Sample#32 Text:H04HL-1-AE :G6C100424-1D Exp:DIOXIN
 342.9792 S:32 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:32 21:58 22:35 23:00 23:24 23:56 24:35 25:29 25:58 26:33 27:17 27:44 2.4E7



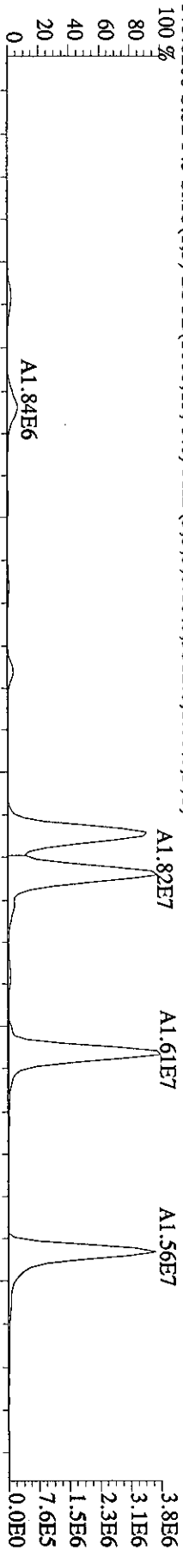
File:20MMR061D5 #1-376 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE

Sample#32 Text:H04HL-1-AE :G6C100424-ID Exp:DIOXIN

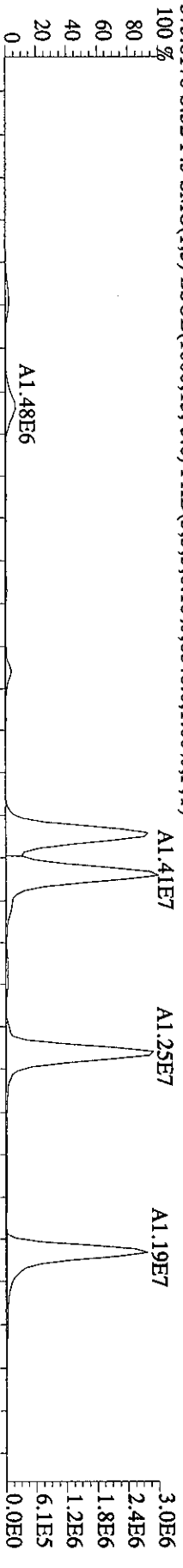
392.9760 S:32 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



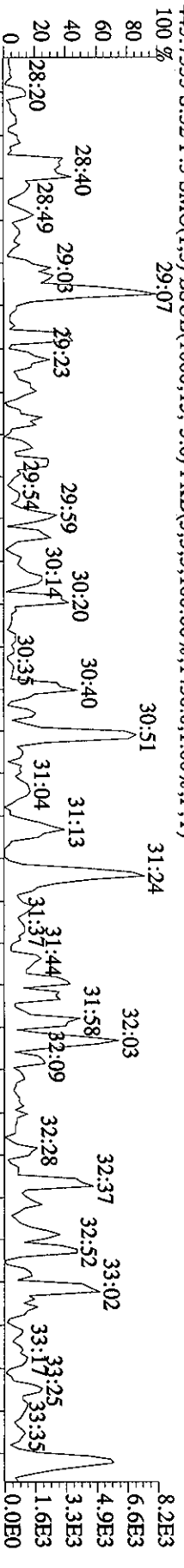
373.8208 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9312.0,1.00%,F,T)



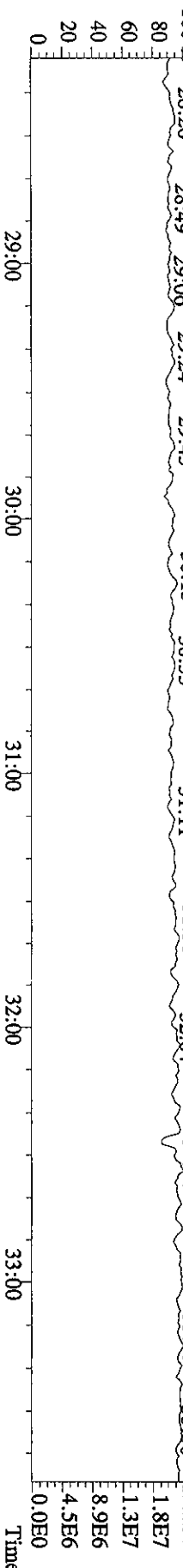
375.8178 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6848.0,1.00%,F,T)



445.7555 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1456.0,1.00%,F,T)



380.9760 S:32 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:20MR061D5 #1-219 Acq:21-MAR-2006 08:04:18 GC EI + Voltage SIR 70SE

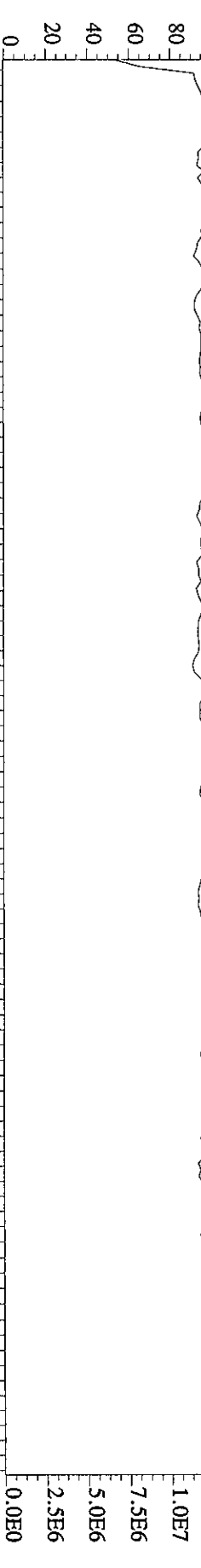
Sample#32 Text:H04HL-1-AE :G6C100424-1D

Exp:DIOXIN

430.9728 S:32 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

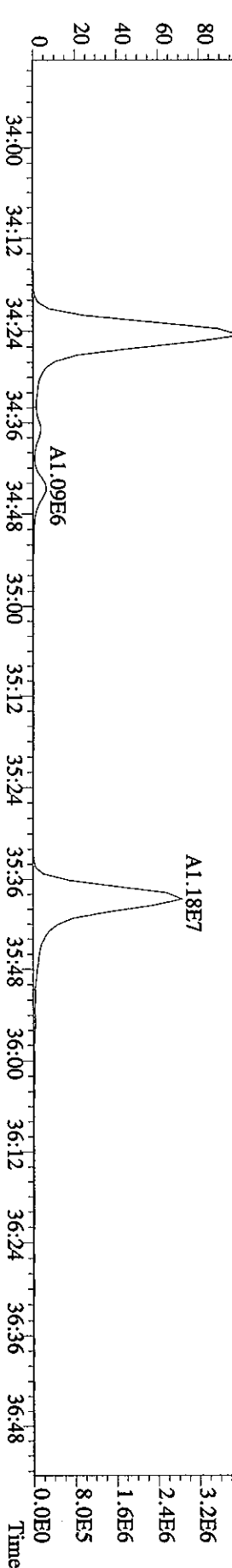
100% 33:55 34:07 34:17 34:32 34:42 35:00 35:11 35:20 35:31

35:54 36:08 36:20 36:30 36:43



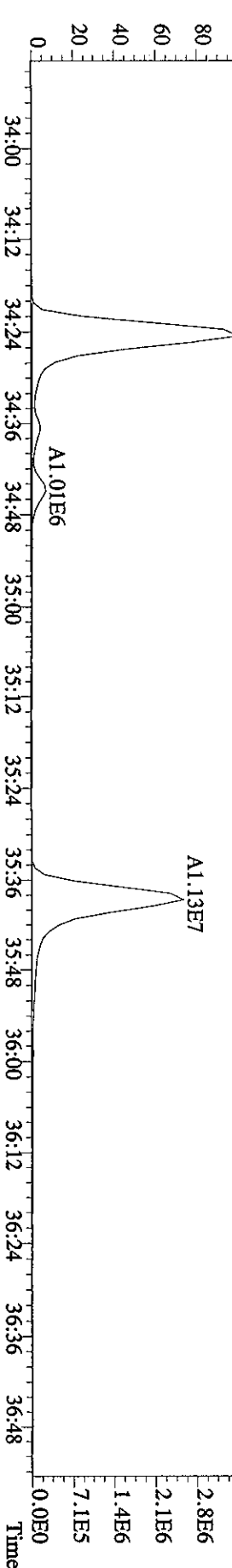
407.7818 S:32 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5984,0,1,00%,F,T)

100% A1.54E7



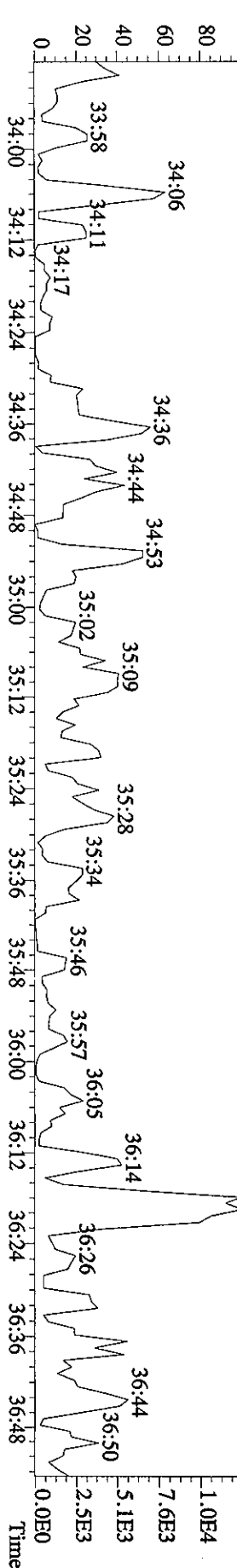
409.7789 S:32 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4984,0,1,00%,F,T)

100% A1.37E7

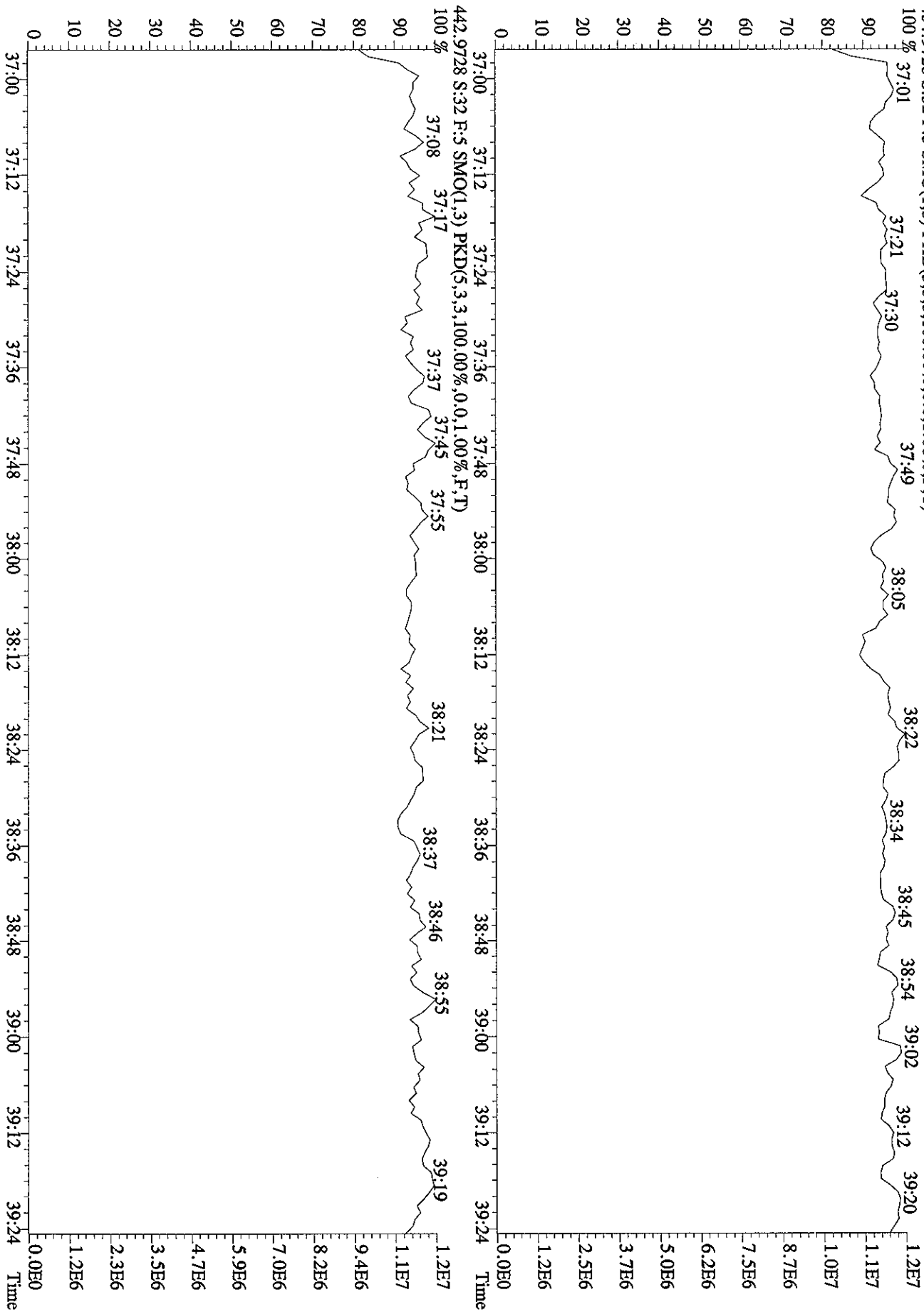


479.7165 S:32 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,3460,0,1,00%,F,T)

100% A1.01E6



File: 20MR061D5 #1-179 Acq: 21-MAR-2006 08:04:18 GC EI+ Voltage SIR 70SE
 Sample#32 Text: H04HL-1-AE :G6C100424-ID Exp: DIOXIN
 454.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

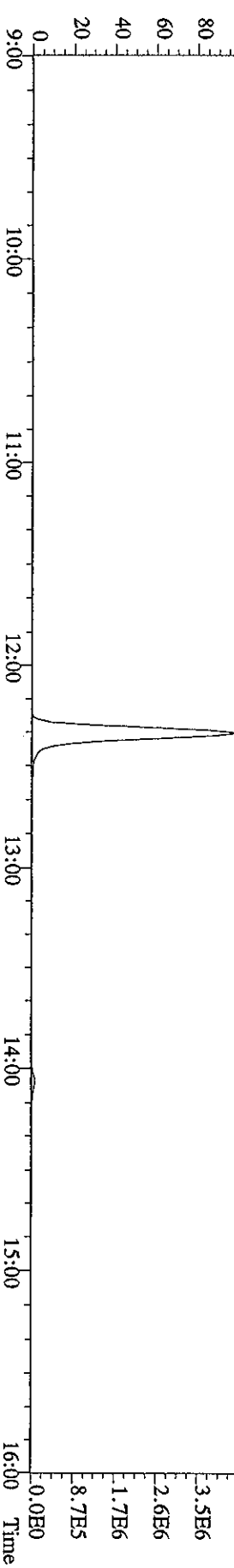
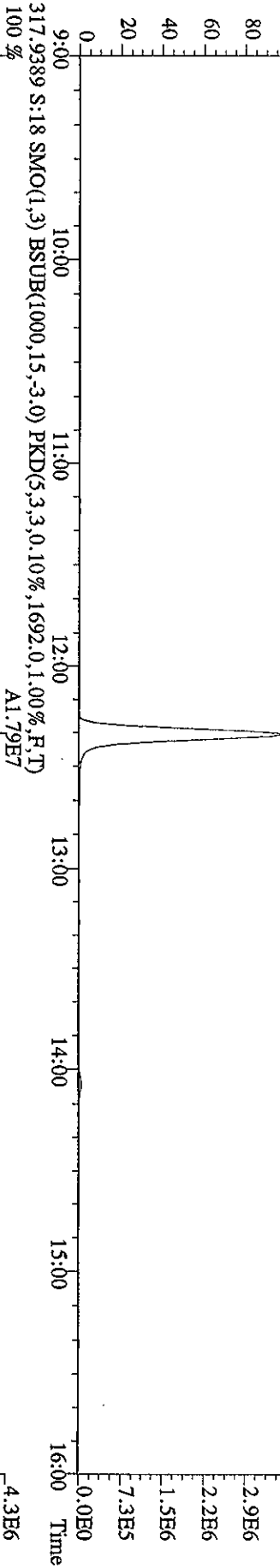
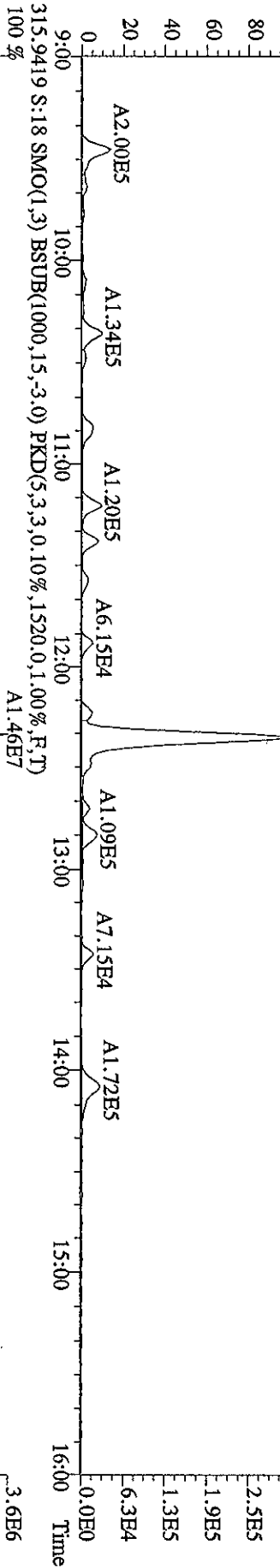
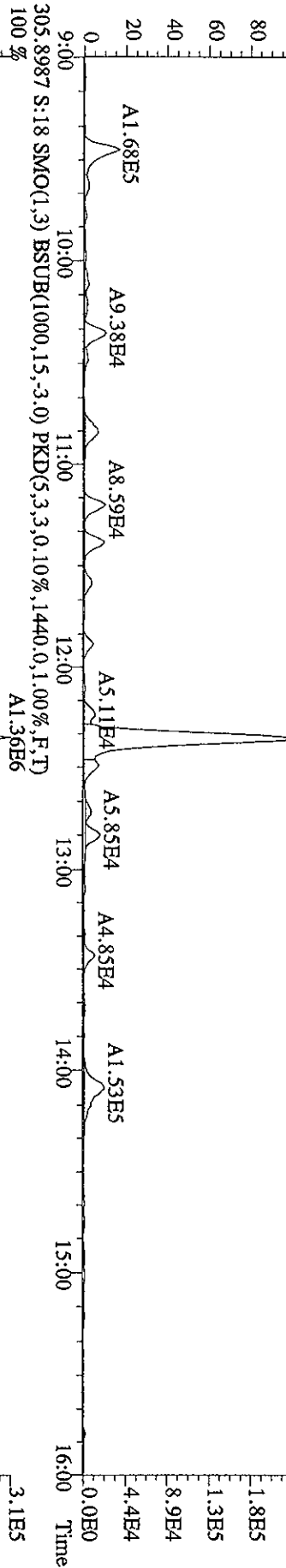


Run text: H04HL-1-AE Sample text: H04HL-1-AE :G6C100424-1D
 Run #21 Filename: 19MR067D2 S: 18 I: 1 Results: 19MR067D2DB225
 Acquired: 19-MAR-06 21:25:06 Processed: 20-MAR-06 08:17:55
 Run: 19MR067D2 Analyte: DB225 Cal: DB2250915057D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000g

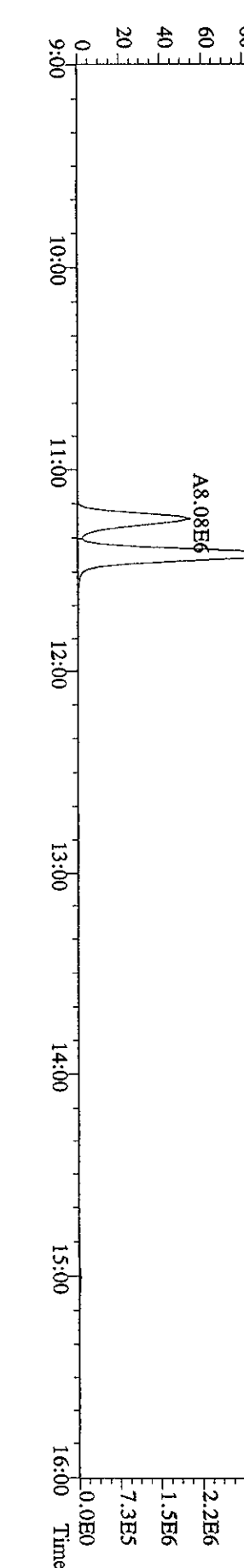
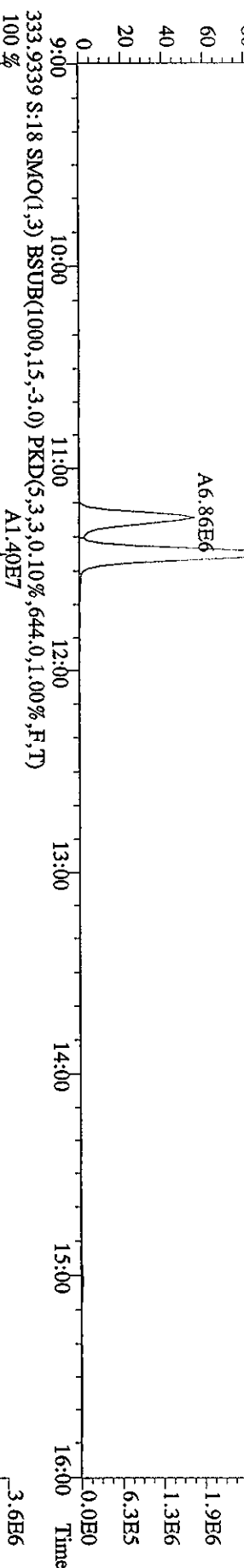
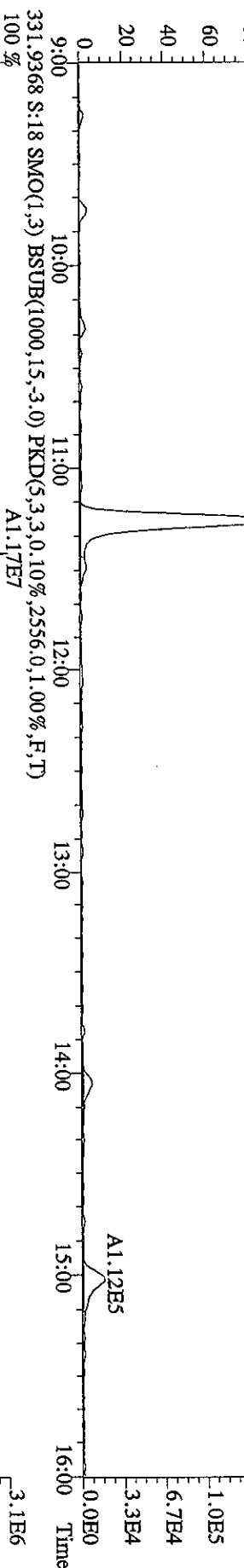
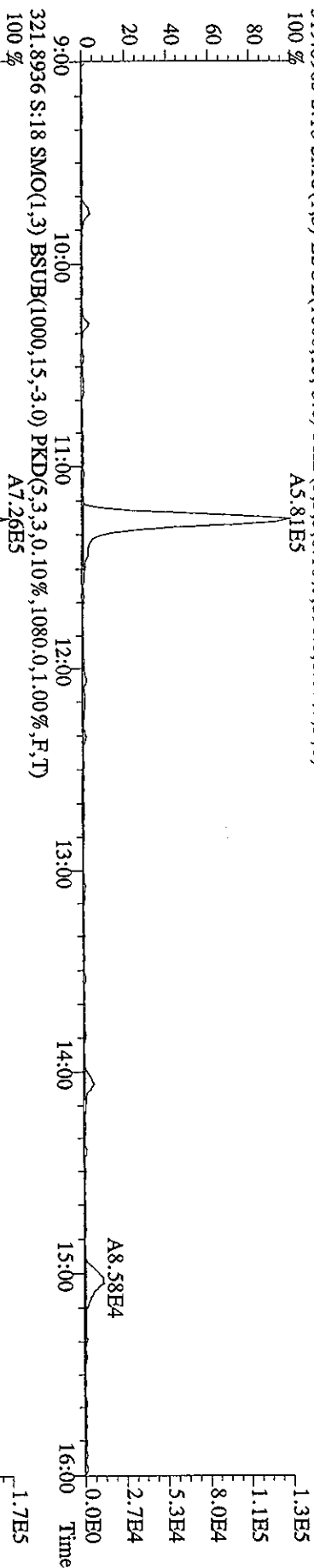
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	25731100	0.83 y	11:25	-	1.32	-	-	n
13C-2,3,7,8-TCDF	32493500	0.81 y	12:20	1.50	168.92	0.19	84.5	n
2,3,7,8-TCDF	2310812	0.70 y	12:21	0.92	15.48 <i>Con'</i>	0.22	-	n
13C-2,3,7,8-TCDD	14941000	0.85 y	11:15	0.81	143.80	0.35	71.9	n
2,3,7,8-TCDD	1306560	0.80 y	11:15	1.23	14.20	0.26	-	n
37Cl-2,3,7,8-TCDD	20688400	1.00 y	11:15	1.96	81.90	0.08	102.4	n

JN/3-22-06

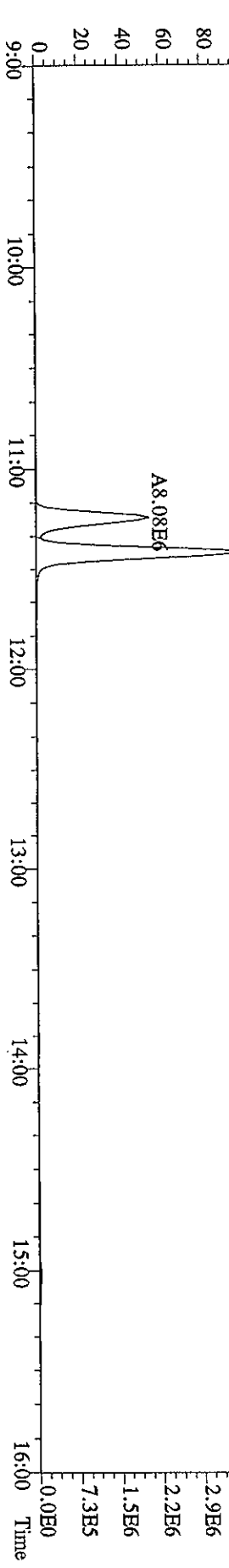
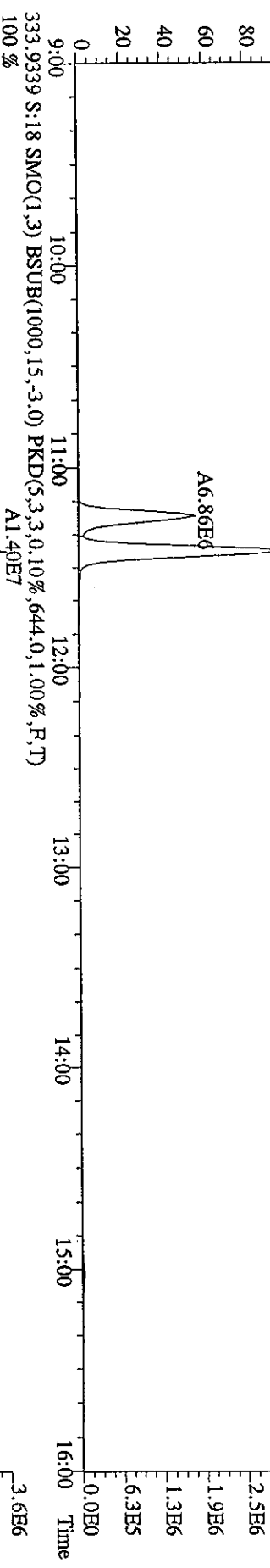
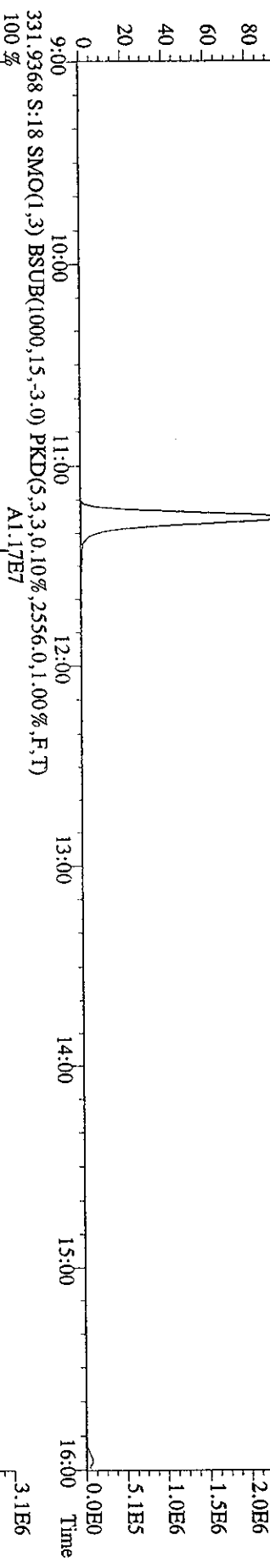
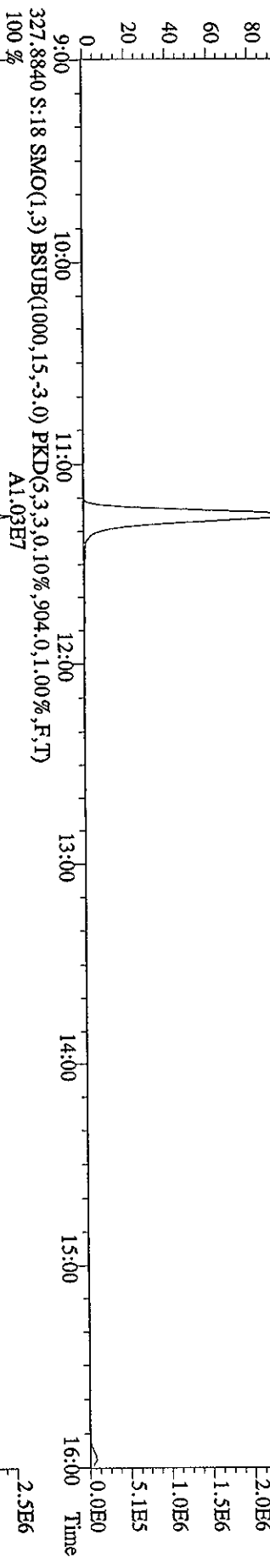
File:19MR067D2 #1-1168 Acq:19-MAR-2006 21:25:06 GC EI+ Voltage SIR 70S
 Sample#18 Text:H04HL-1-AE :G6C100424-ID Exp:DB225
 303.9016 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1216,0,1,00%,F,T) A9.54E5



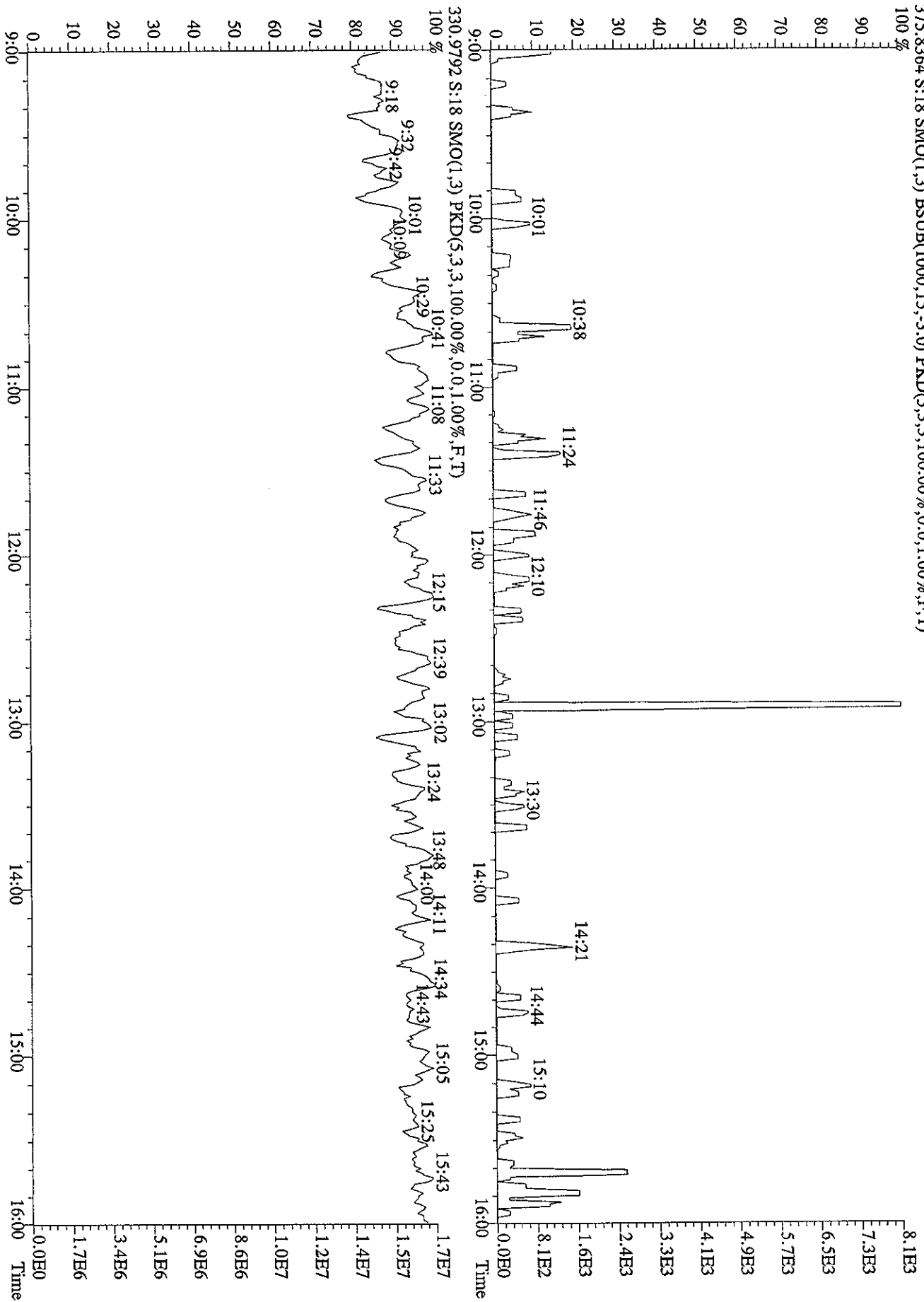
File: 19NMR067D2 #1-1168 Acq: 19-MAR-2006 21:25:06 GC EI+ Voltage SIR 70S
 Sample#18 Text:H04HL-1-AE :G6C100424-1D Exp:DB225
 319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,896,0,1,00%,F,T)
 100 % A5.81E5



File:19MR067D2 #1-1168 Acq:19-MAR-2006 21:25:06 GC EI+ Voltage SIR 70S
 Sample#18 Text:H04HL-1-AE :G6C100424-1D Exp:DB225
 327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,904,0,1,00%,F,T)
 100 % A1.03E7



File:19MR067D2 #1-1168 Acq:19-MAR-2006 21:25:06 GC EI+ Voltage SIR 70S
Sample#18 Text:H04HL-1-AE :G6C100424-1D Exp:DB225
375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: H04HQ-1-AC Sample text: H04HQ-1-AC :G6C100424-2
 Run #33 Filename: 20MR061D5 S: 33 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 08:45:58 Processed: 21-MAR-06 10:23:36
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 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	100090700	0.79 y	18:28	-	8.50	-	-	n
13C-2,3,7,8-TCDF	57052900	0.77 y	17:55	1.70	67.05	0.13	33.5	n
2,3,7,8-TCDF	83203	1.37 n	17:57	1.10	0.26 DL	0.25	-	n
Total TCDF	612474	0.81 y	15:46	1.10	1.95 D.L.7	0.25	-	n
13C-2,3,7,8-TCDD	28618700	0.79 y	18:39	0.87	65.83	0.31	32.9	n
2,3,7,8-TCDD	*	* n	NotFnd	1.42	*	0.25	-	n
Total TCDD	73425	1.42 n	15:31	1.42	0.36	0.25	-	n
37Cl-2,3,7,8-TCDD	80340200	1.00 y	18:40	2.41	66.67	0.07	83.3	n
13C-1,2,3,7,8-PeCDF	40352900	1.60 y	23:13	1.42	56.77	0.10	28.4	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.04	*	0.44	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	1.07	*	0.43	-	n
Total F2 PeCDF	249394	1.39 y	21:49	1.06	1.17	0.43	-	n
Total F1 PeCDF	164215	0.51 n	14:23	1.06	0.77 D.L.63=DL	0.35	-	n
13C-1,2,3,7,8-PeCDD	22254590	1.72 y	25:22	0.83	53.29	0.13	26.6	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*	1.08	-	n
Total PeCDD	190606	4.94 n	25:04	1.05	1.63 DL	1.08	-	n
13C-1,2,3,7,8,9-HxCDD	63638800	1.32 y	32:41	-	5.89	-	-	n
13C-1,2,3,4,7,8-HxCDF	25081610	0.52 y	31:13	1.33	59.05	0.35	29.5	n
1,2,3,4,7,8-HxCDF	112110	1.95 n	31:13	1.14	0.79 DL	0.64	-	n
1,2,3,6,7,8-HxCDF	42173	2.41 n	31:23	1.23	0.27	0.59	-	n
2,3,4,6,7,8-HxCDF	18862	4.06 n	32:06	1.13	0.13	0.65	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*	0.67	-	n
Total HxCDF	173145	1.95 n	31:13	1.15	1.19 D.L.79=DL	0.64	-	n
13C-1,2,3,6,7,8-HxCDD	18899000	1.34 y	32:21	0.97	61.06	0.16	30.5	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.98	*	0.51	-	n
1,2,3,6,7,8-HxCDD	98158	1.38 y	32:22	1.07	0.97 DL	0.47	-	n
1,2,3,7,8,9-HxCDD	181350	1.24 y	32:42	1.10	1.75 DL	0.45	-	n
Total HxCDD	400973	1.42 y	28:47	1.05	3.95 D.L.75	0.48	-	n
13C-1,2,3,4,6,7,8-HpCDF	22103830	0.45 y	34:24	1.06	65.47	0.60	32.7	n
1,2,3,4,6,7,8-HpCDF	108920	0.96 y	34:24	1.37	0.72 DL	0.48	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.23	*	0.54	-	n
Total HpCDF	139665	0.96 y	34:24	1.30	0.93 D.L.72=DL	0.51	-	n
13C-1,2,3,4,6,7,8-HpCDD	16836510	1.07 y	35:17	0.89	59.12	0.39	29.6	n
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.06	*	0.76	-	n
Total HpCDD	65674	5.13 n	34:25	1.06	0.74	0.76	-	n
13C-OCDD	22925900	0.93 y	38:00	0.76	94.66	0.44	23.7	n

M/S 2206

OCDF	*	* n NotFnd 1.46	*	1.22	-	n
OCDD	65758	1.04 n 38:01 1.10	1.04	1.27	-	n

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:8
Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58
Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 19.45 of which 2.64 named and 16.81 unnamed
Conc: 1.95 of which 0.26 named and 1.68 unnamed

Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >?, Mod?. Contains 8 rows of data with handwritten annotations around the 4th and 8th rows.

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:4
Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58
Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 3.62 of which * named and 3.62 unnamed
Conc: 0.36 of which * named and 0.36 unnamed

Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >?, Mod?. Contains 2 rows of data.

3	19:46	0.45	n	0.07	6456	0.8	n	n
					14260	2.2	n	n
4	20:46	0.88	y	0.12	10908	1.4	n	n
					12450	2.2	n	n

Totals Results STL Sacramento

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total F2 PeCDF

F:2 Mass: 339.860 341.857 Mod? no #Hom:3

Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount:	11.67 of which	* named and	11.67 unnamed
Conc:	1.17 of which	* named and	1.17 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	21:49	1.39	y 0.63	78827	5.5	y	n
					56808	3.5	y	n
	2	23:31	2.36	n 0.15	29115	2.8	n	n
					12326	1.2	n	n
	3	24:54	2.29	n 0.39	73999	5.5	y	n
					32285	1.6	n	n

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:6
 Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 7.69 of which * named and 7.69 unnamed
 Conc: 0.77 of which * named and 0.77 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	14:23	0.51	n 0.06	7696 15148	1.2 1.1	n n	n n
	2	15:34	0.53	n 0.12	15014 28253	2.1 2.2	n n	n n
	3	15:54	0.24	n 0.27	35686 151086	3.5 12.3	y y	n n
	4	17:27	0.27	n 0.06	8016 29637	1.3 2.1	n n	n n
	5	18:01	0.51	n 0.11	14887 28951	2.0 1.9	n n	n n
	6	19:41	0.11	n 0.14	18517 166818	1.8 10.0	n y	n n

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:1
 Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 16.25 of which * named and 16.25 unnamed
 Conc: 1.63 of which * named and 1.63 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	25:04	4.94	n 1.63	369493 74748	9.6 5.7	y y	n n

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:3
 Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 11.92 of which 11.92 named and * unnamed

Conc: 1.19 of which 1.19 named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,7,8-HxCDF	1	31:13	1.95	n	0.79	97379	2.9	n n
						50049	6.0	y n
1,2,3,6,7,8-HxCDF	2	31:23	2.41	n	0.27	45334	2.2	n n
						18827	2.3	n n
2,3,4,6,7,8-HxCDF	3	32:06	4.06	n	0.13	34193	1.7	n n
						8420	1.8	n n

Totals Results STL Sacramento

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Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:7
 Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 39.48 of which 27.20 named and 12.27 unnamed
 Conc: 3.95 of which 2.72 named and 1.23 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	28:47	1.42	y	0.12	6784	1.3	n n
						4768	1.0	n n
	2	31:12	1.62	n	0.36	25649	3.2	y n
						15850	2.7	n n
	3	31:38	0.84	n	0.18	10119	1.5	n n
						12063	2.3	n n
	4	32:05	2.97	n	0.20	26715	3.7	y n
						9007	1.5	n n
1,2,3,6,7,8-HxCDD	5	32:22	1.38	y	0.97	56981	8.9	y n
						41177	6.3	y n
1,2,3,7,8,9-HxCDD	6	32:42	1.24	y	1.75	100225	13.9	y n
						81125	11.4	y n
	7	32:53	2.66	n	0.36	42678	4.1	y n
						16051	1.9	n n

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:2

Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

Amount: 9.34 of which 7.20 named and 2.14 unnamed
 Conc: 0.93 of which 0.72 named and 0.21 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:24	0.96	y	0.72	53343	5.8	y n
						55577	4.2	y n
	2	35:46	1.18	y	0.21	16642	2.3	n n
						14103	1.2	n n

Run Text: H04HQ-1-AC

Sample text: H04HQ-1-AC :G6C100424-2

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:2

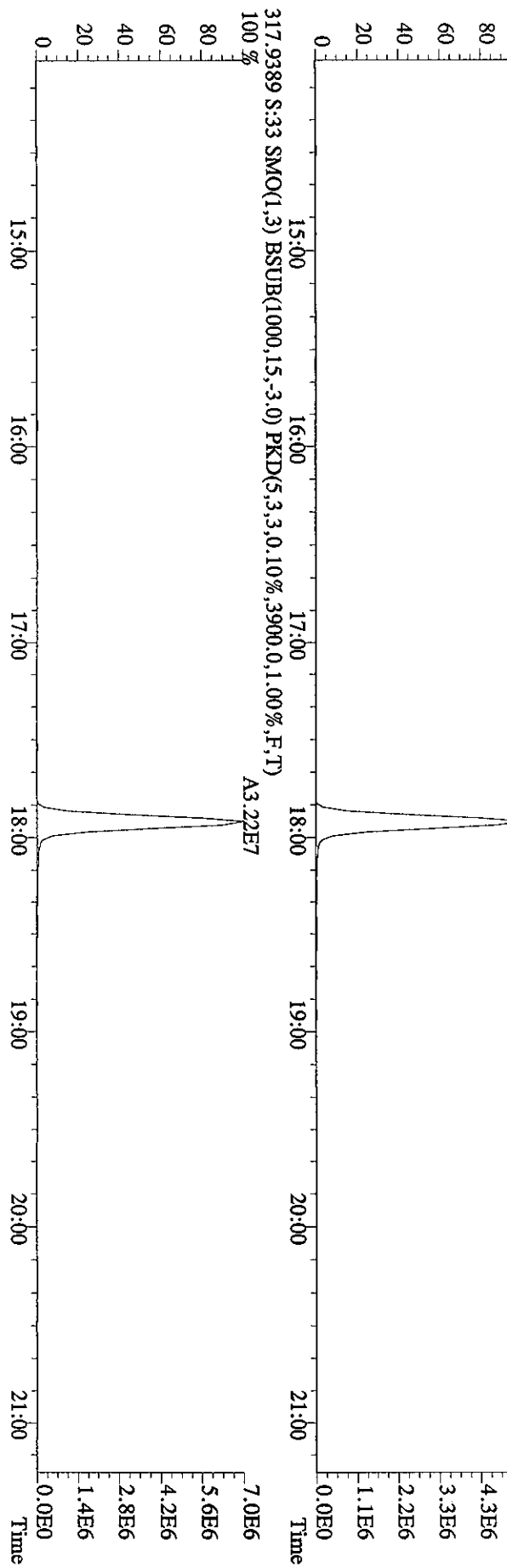
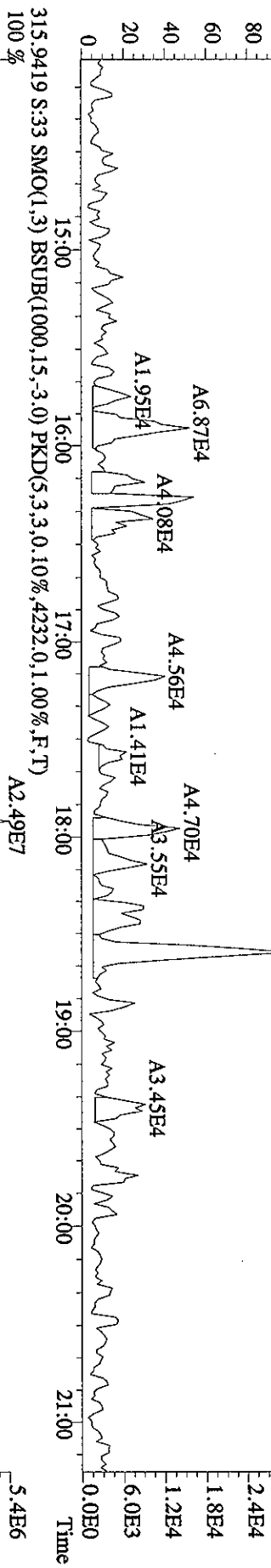
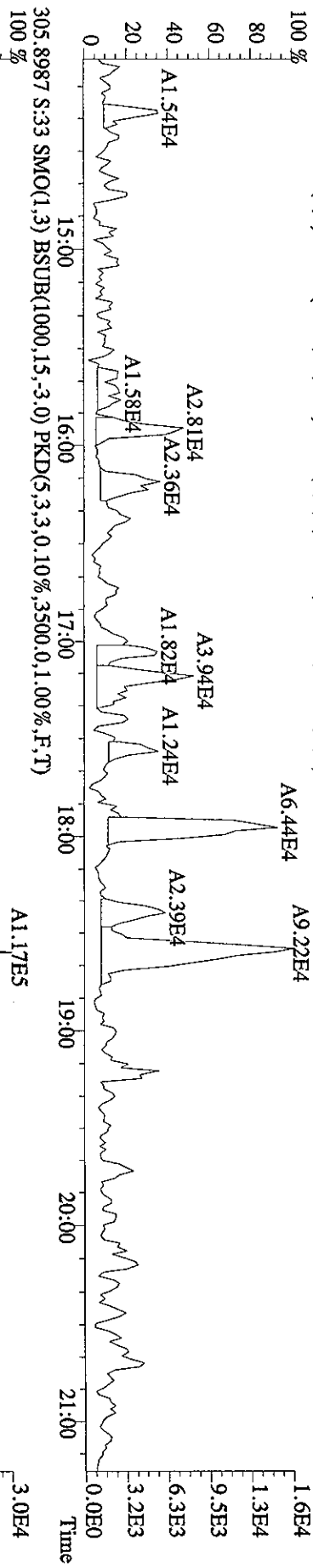
Run: 33 File: 20MR061D5 S:33 Acq:21-MAR-06 08:45:58

Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D7

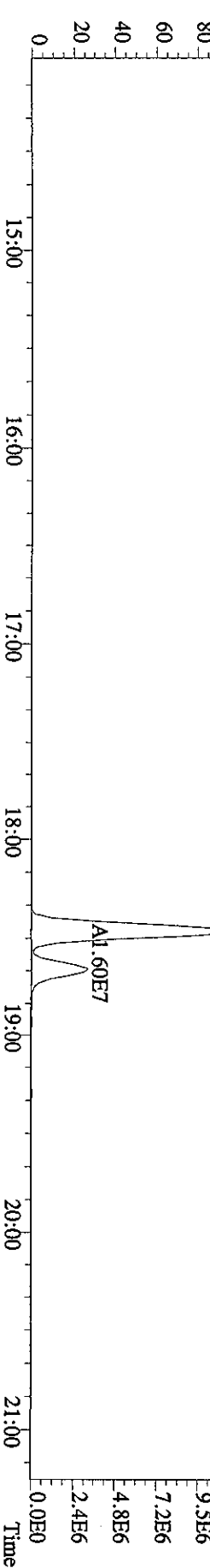
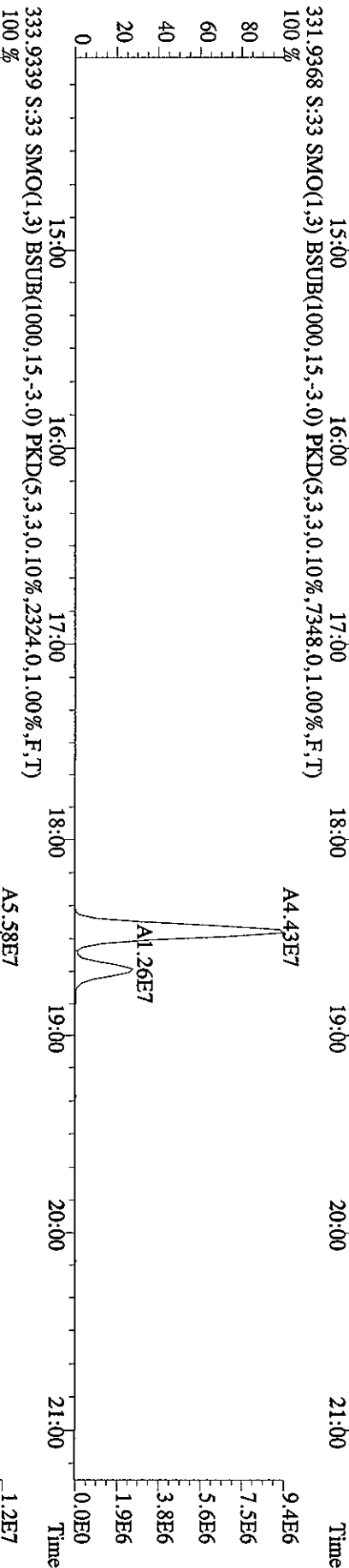
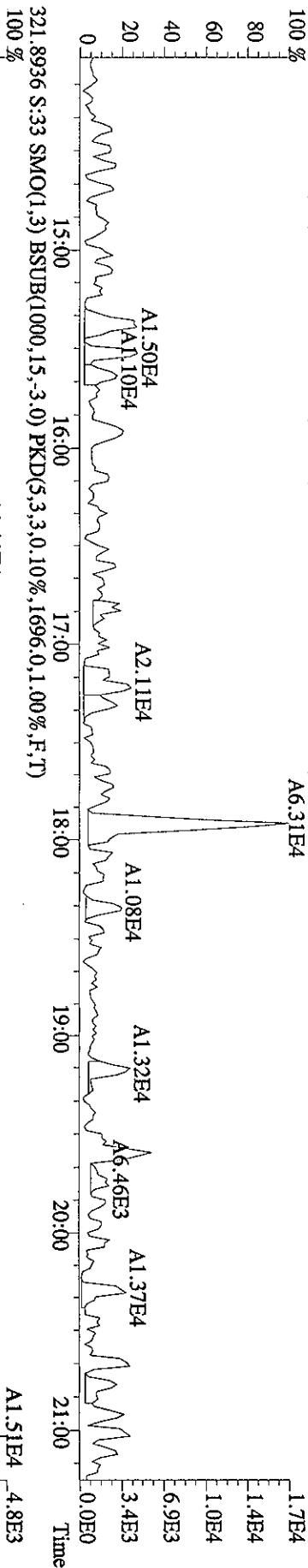
Amount: 7.36 of which * named and 7.36 unnamed
 Conc: 0.74 of which * named and 0.74 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	34:25	5.13	n	0.32	72402	3.7	y n
						14100	2.1	n n
	2	35:38	1.82	n	0.41	32904	1.7	n n
						18093	3.2	y n

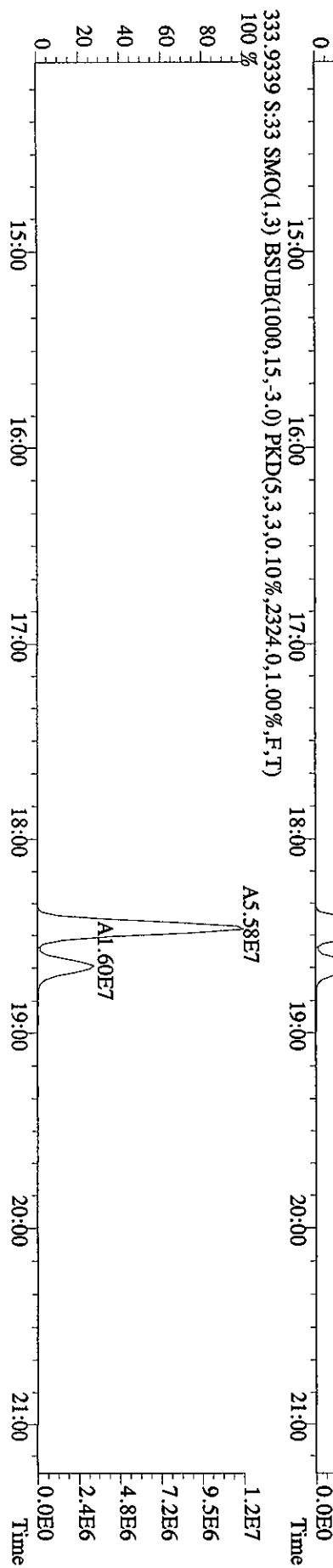
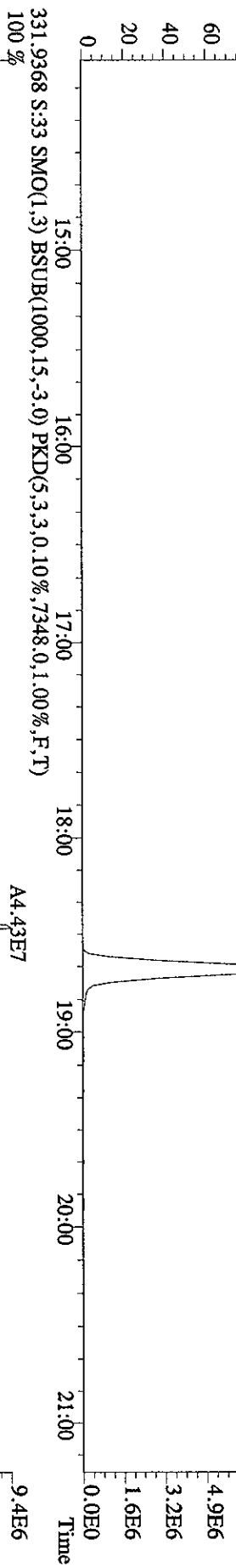
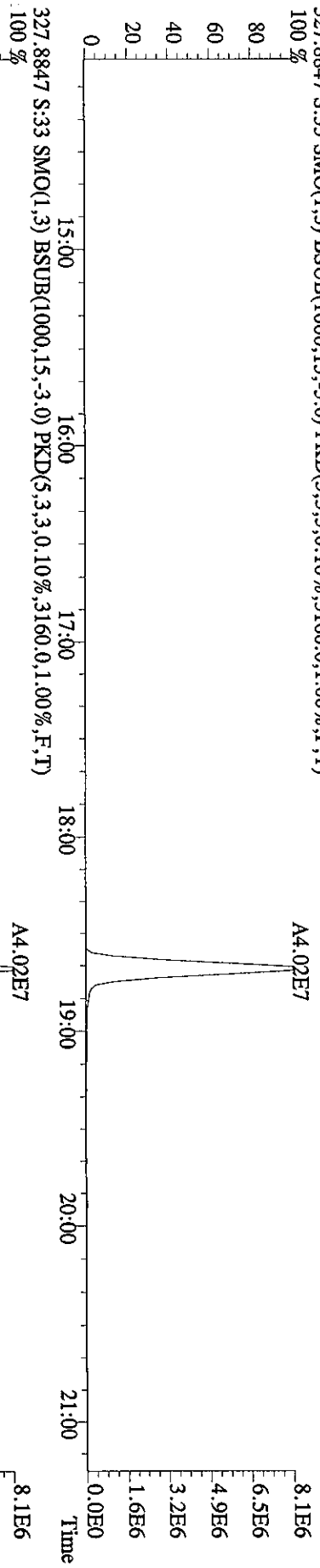
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text:H04HQ-1-AC :G6C100424-2 Exp:DIOXIN
 303.9016 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2116.0,1.00%,F,T)



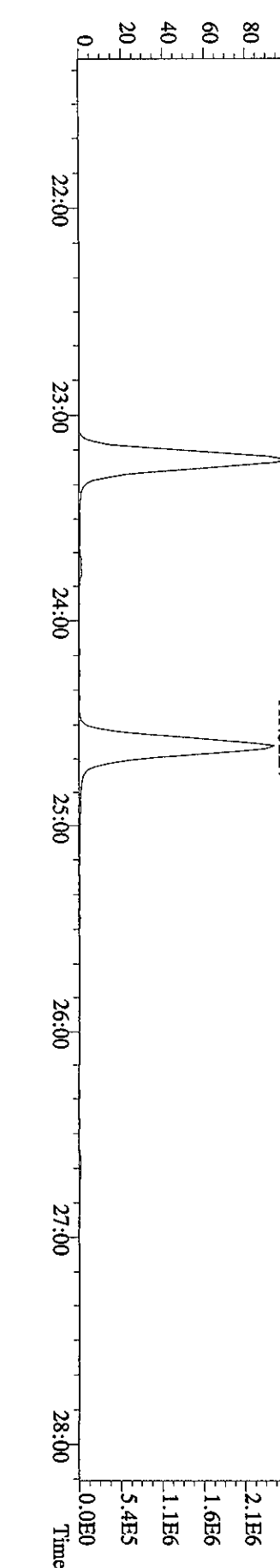
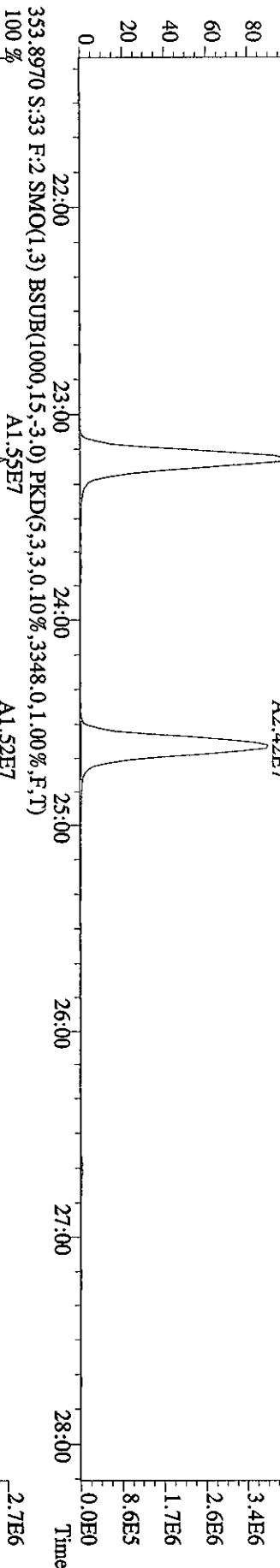
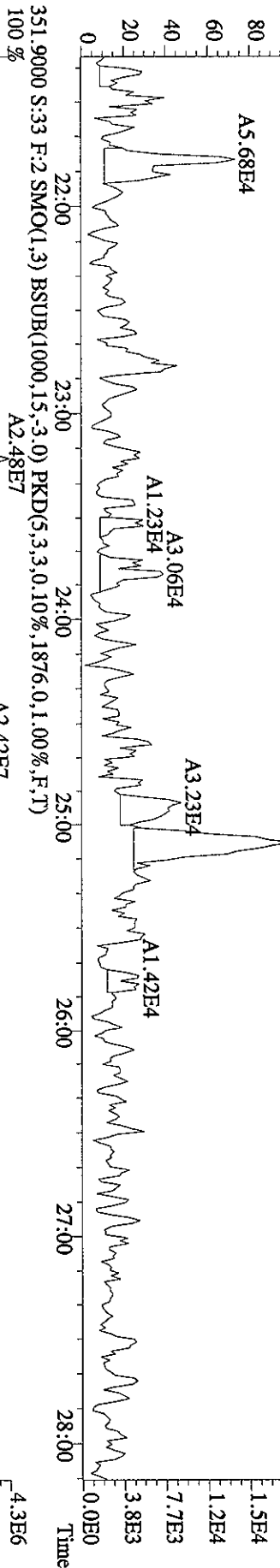
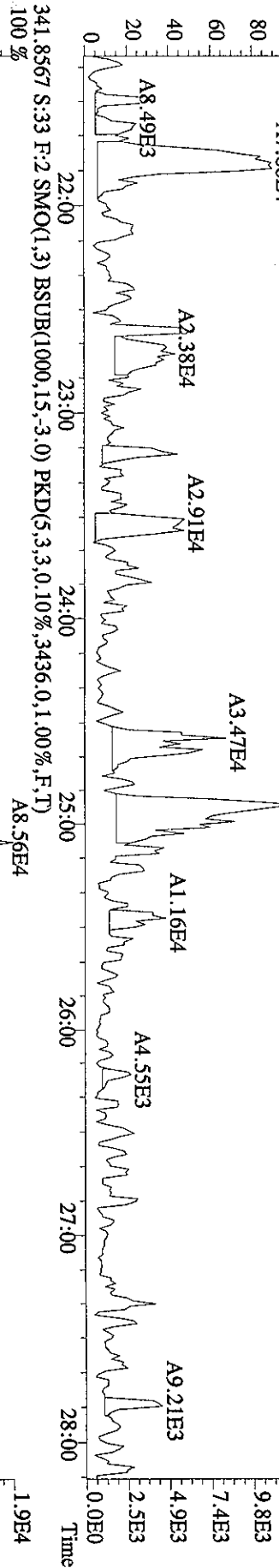
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text:H04HQ-1-AC :G6C100424-2 Exp:DIOXIN
 319.8965 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1828.0,1.00%,F,T)



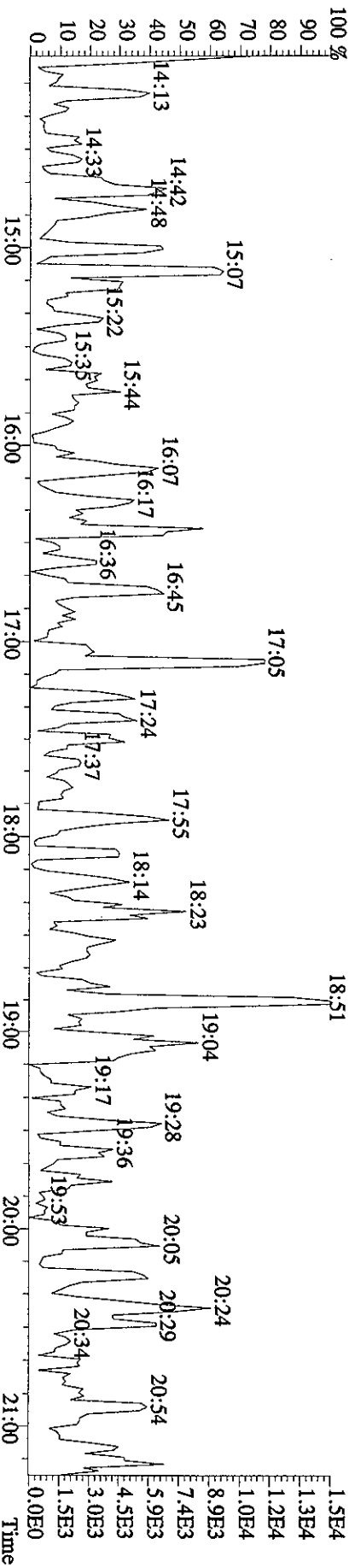
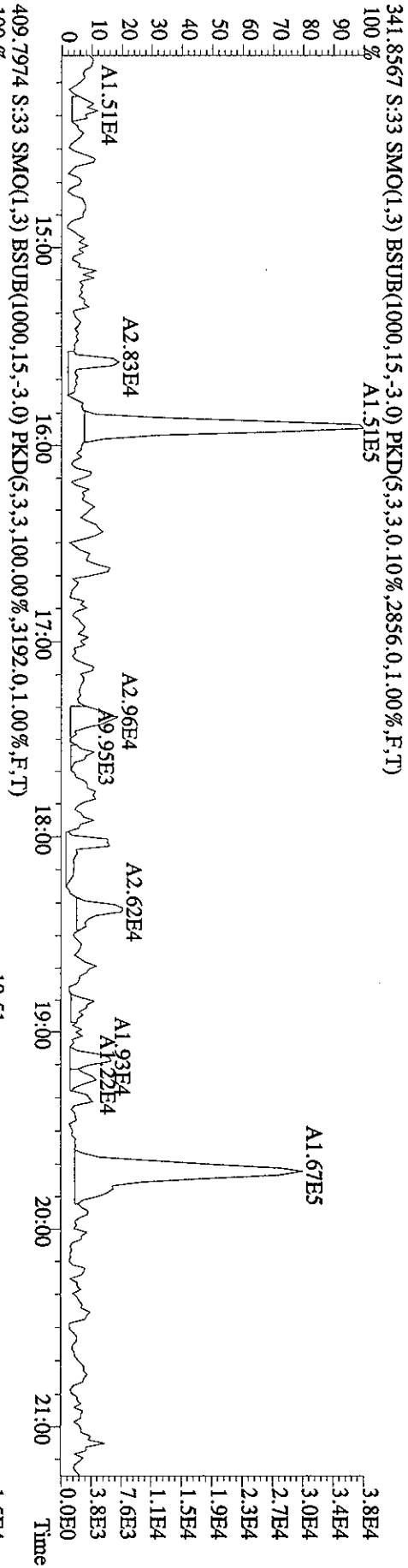
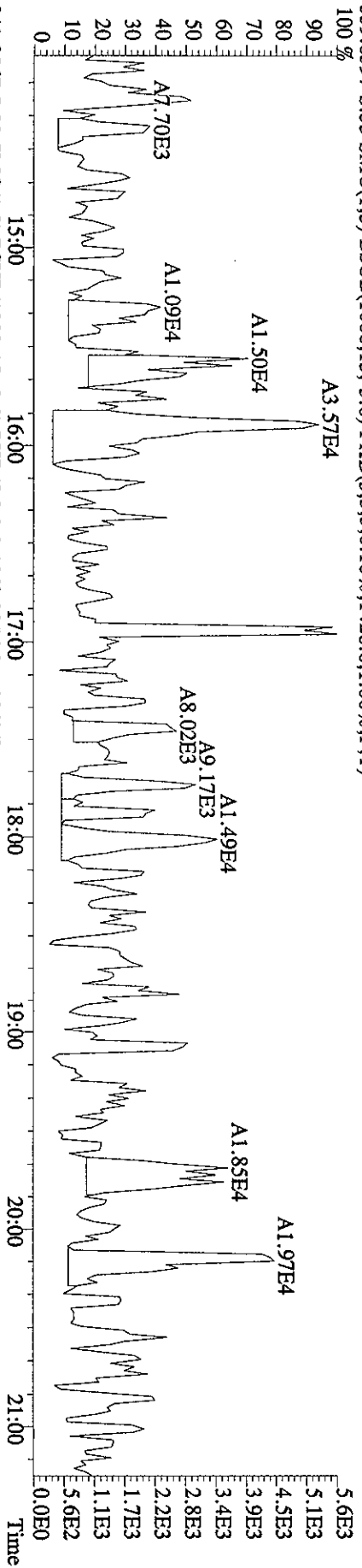
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:45:58 GC EI + Voltage SIR 70SE
 Sample#33 Text:H04HQ-1-AC :G6C100424-2 Exp:DIOXIN
 327.8847 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3160.0,1.00%,F,T)
 100%



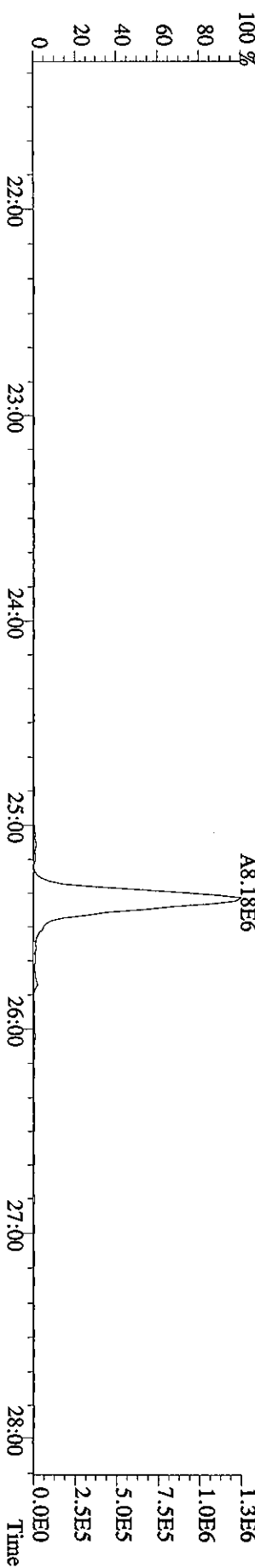
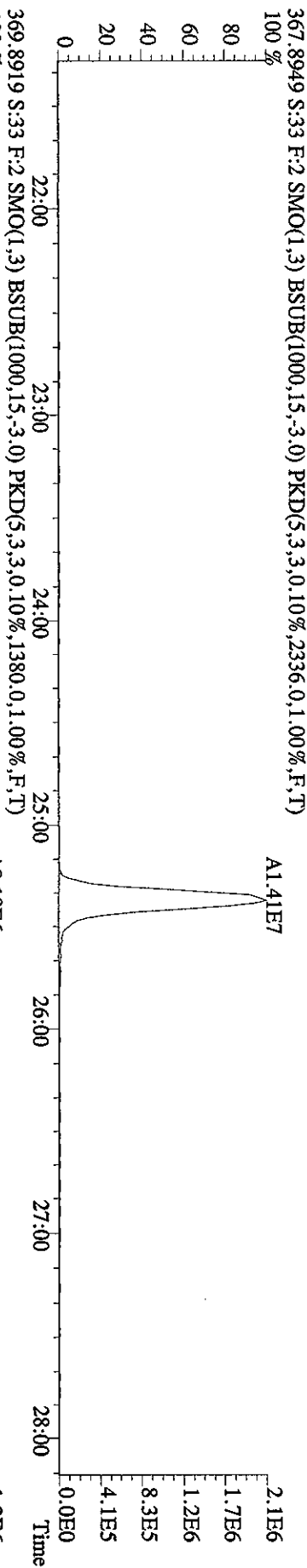
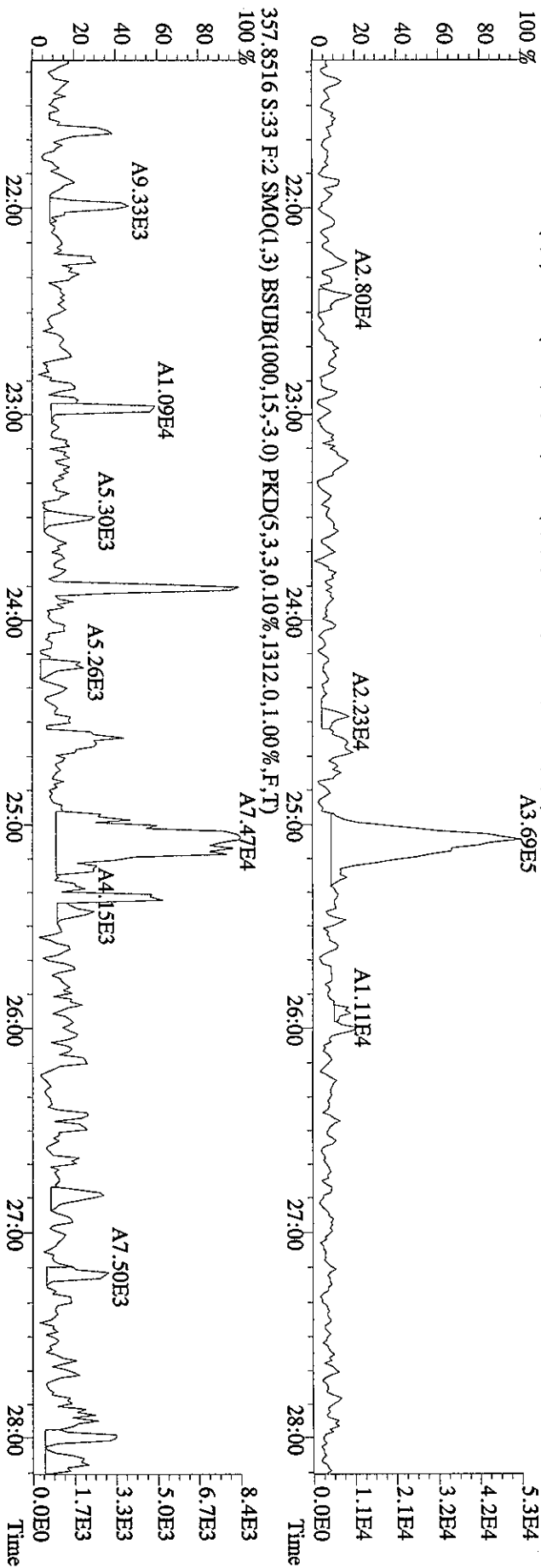
File: 20MAR061D5 #1-486 Acq: 21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text: H04HQ-1-AC : G6C100424-2 Exp: DIOXIN
 339.8597 S:33 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1888,0.1,00%,F,T)
 100%



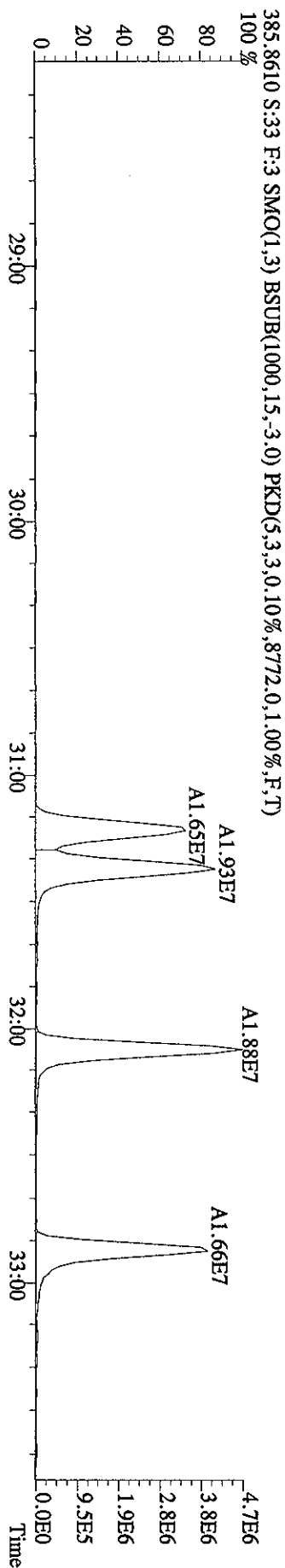
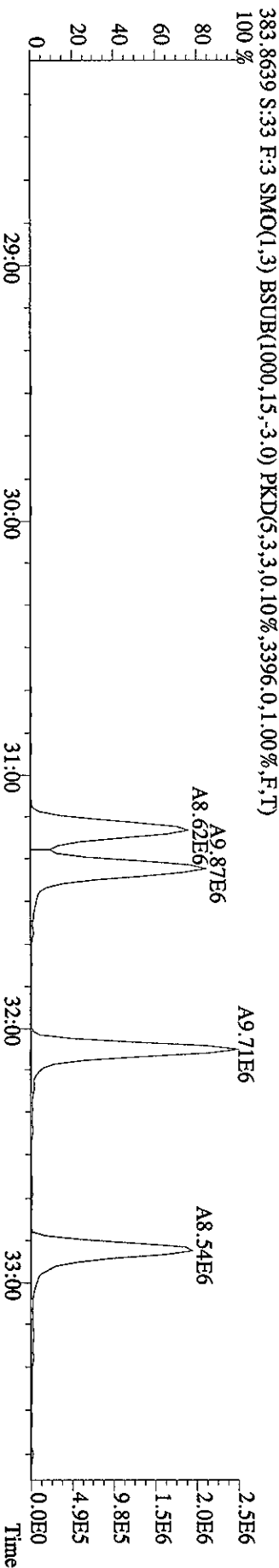
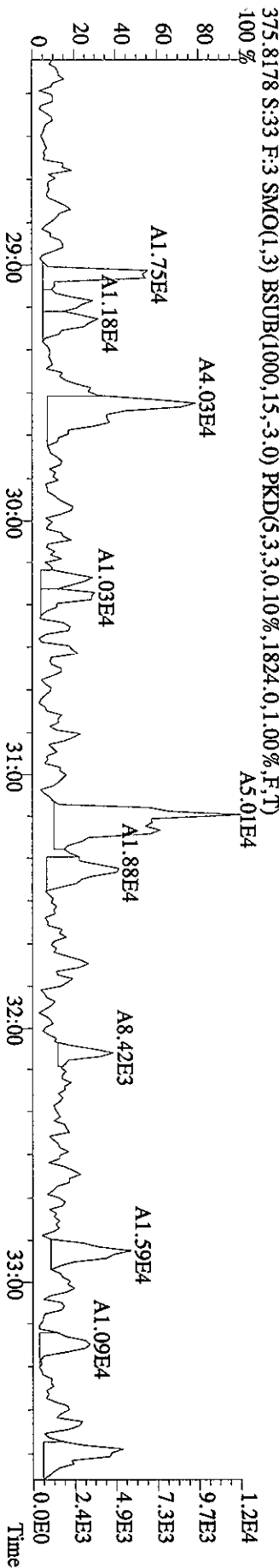
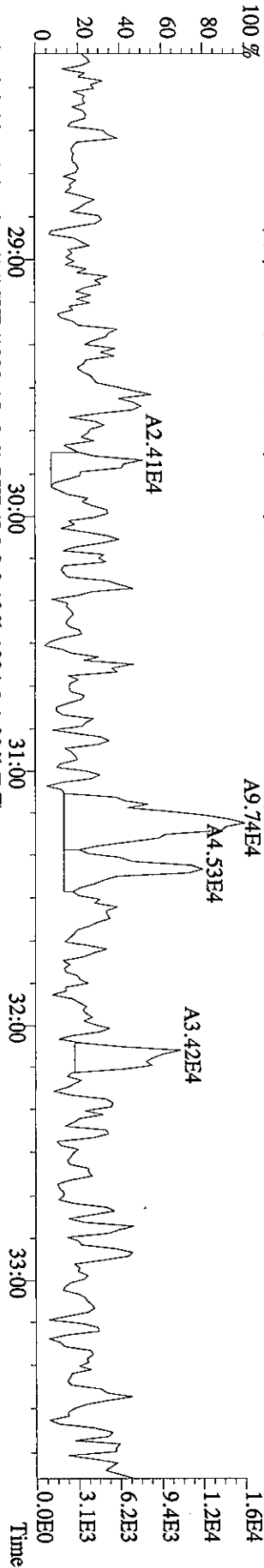
File:20MR061D5 #1-393 Acq:21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text:H04H0-1-AC :G6C100424-2 Exp:DIOXIN
 339.8597 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1428.0,1.00%,F,T)



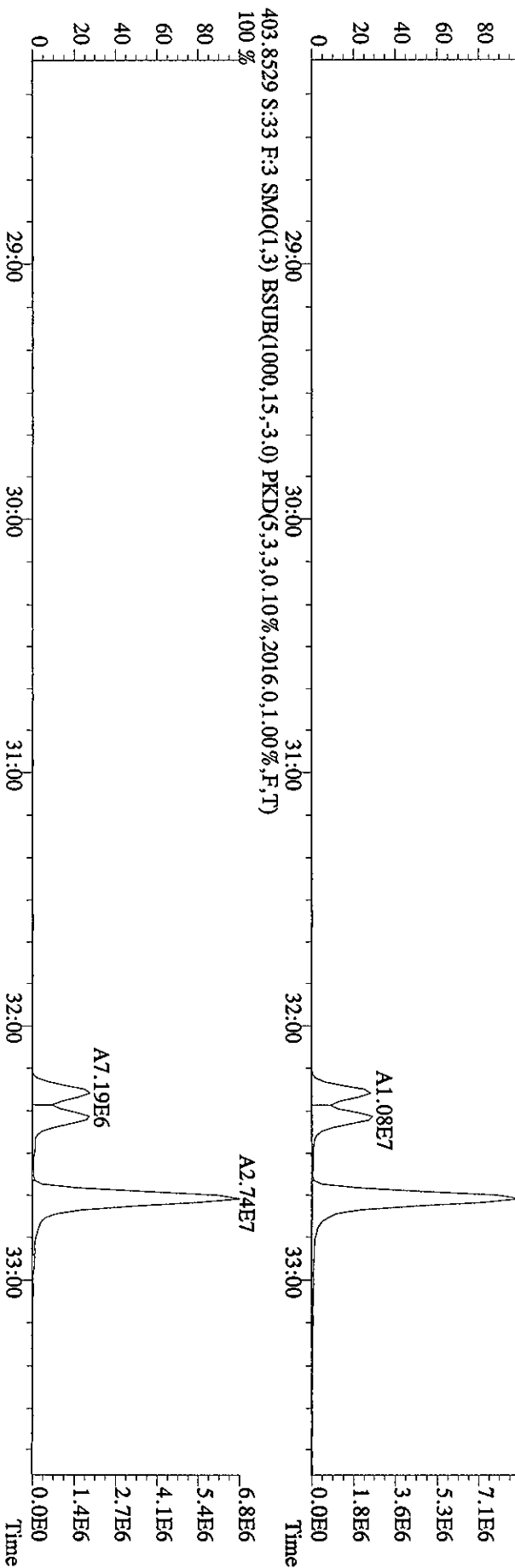
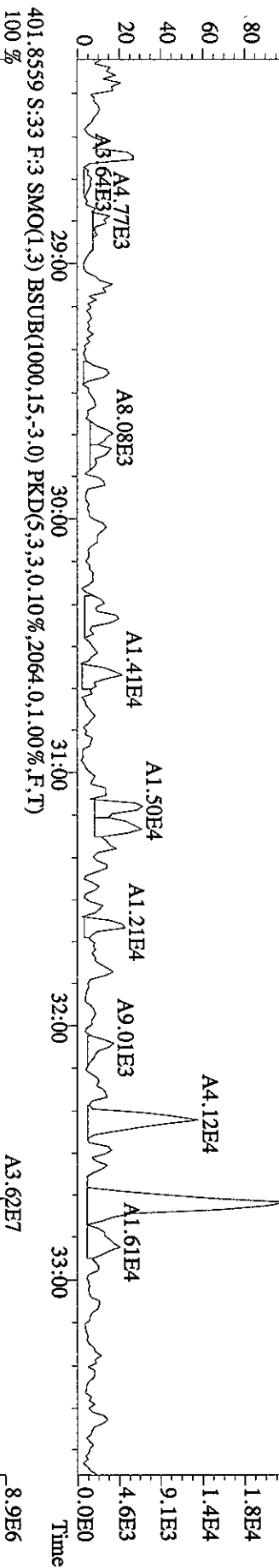
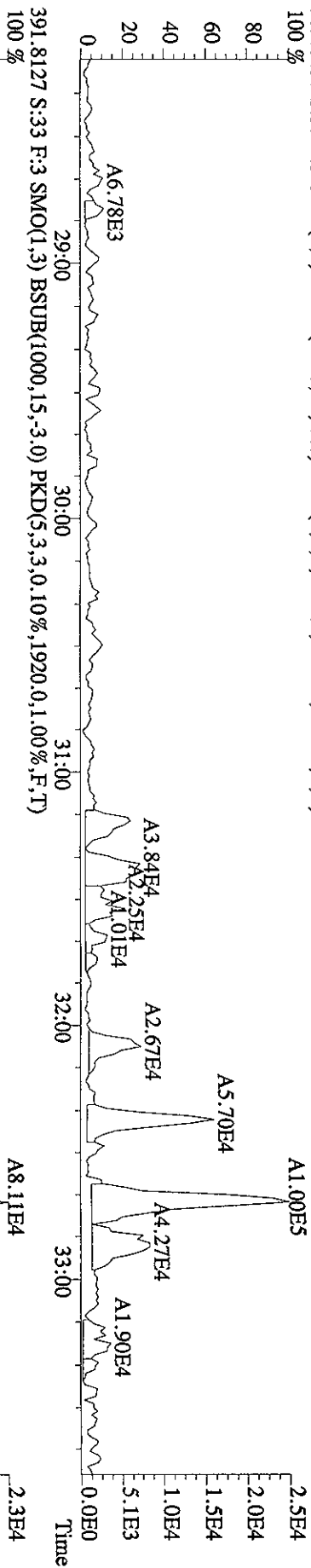
File: 20MR061D5 #1-486 Acq: 21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text: H04HQ-1-AC : G6C100424-2 Exp: DIOXIN
 357.8516 S:33 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1312,0,1,00%,F,T)
 100%



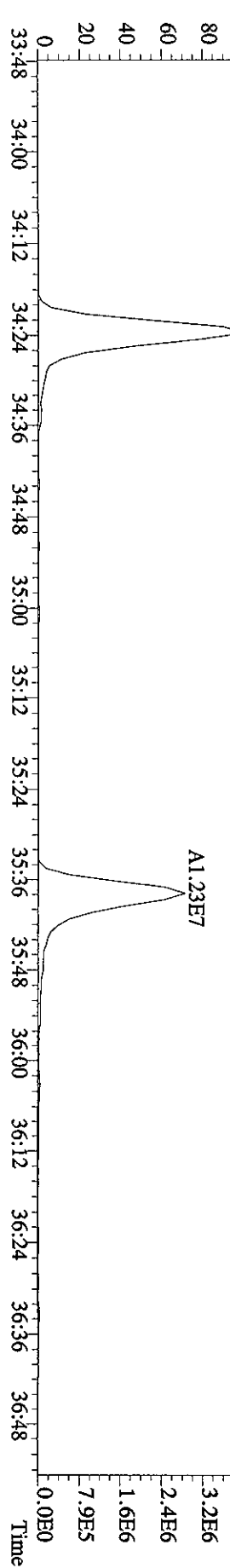
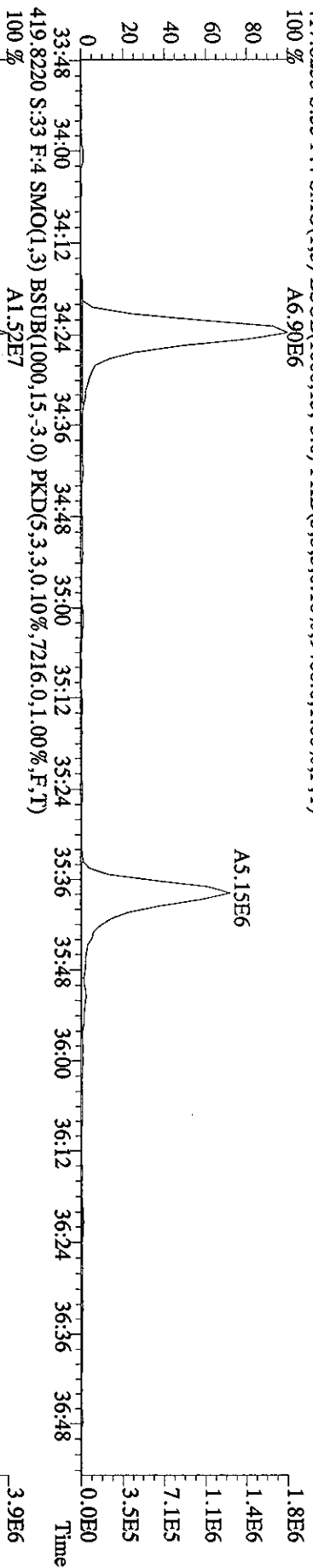
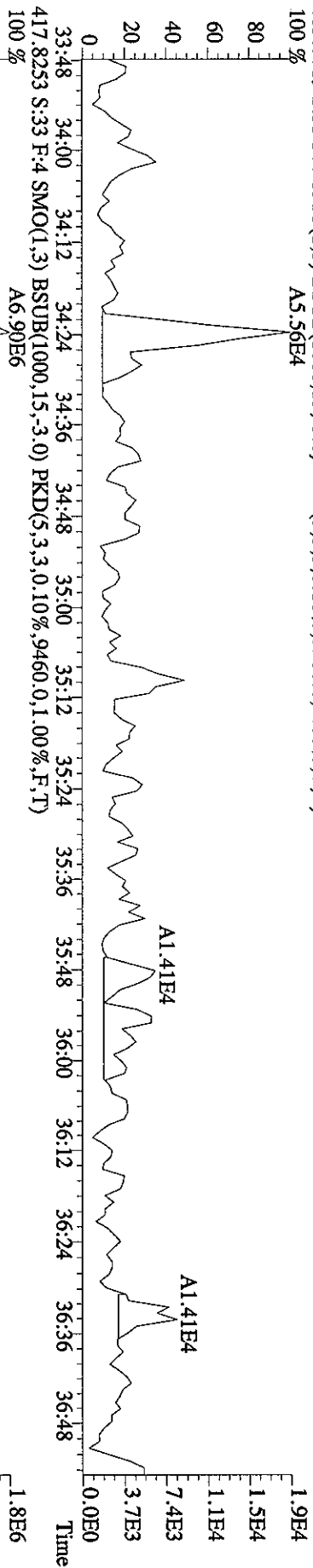
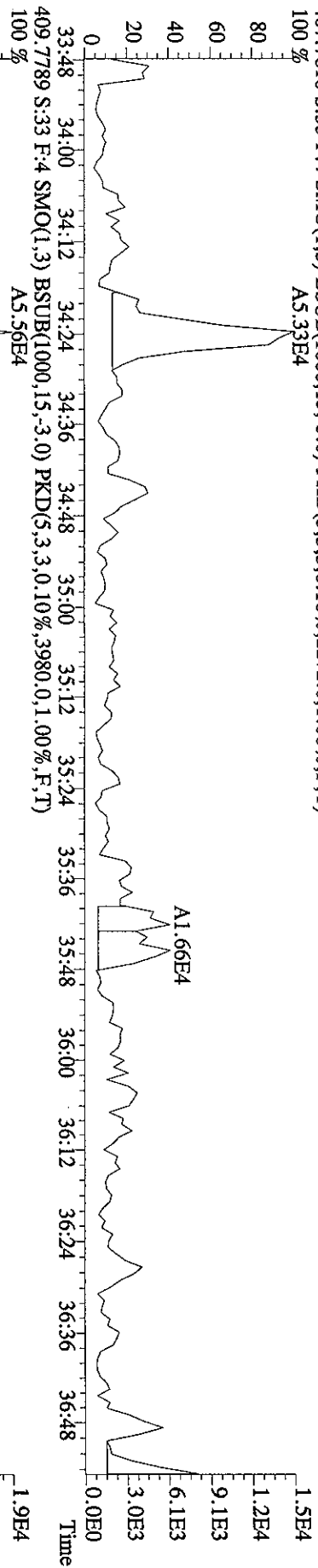
File:20MR061D5 #1-375 Acq:21-MAR-2006 08:45:58 GC EI + Voltage SIR 70SE
 Sample#33 Text:H04HQ-1-AC :G6C100424-2 Exp:DIOXIN
 373.8208 S:33 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4656,0,1,00%,F,T)
 100%



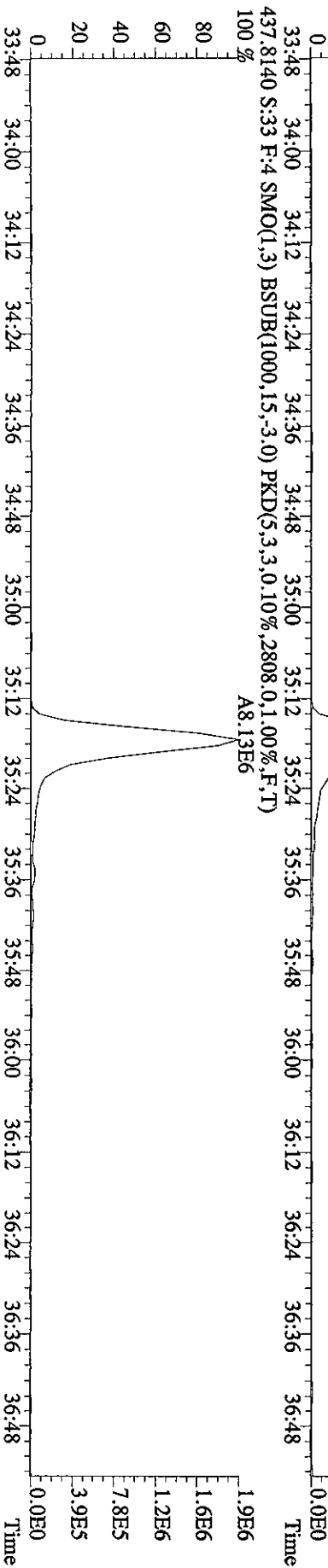
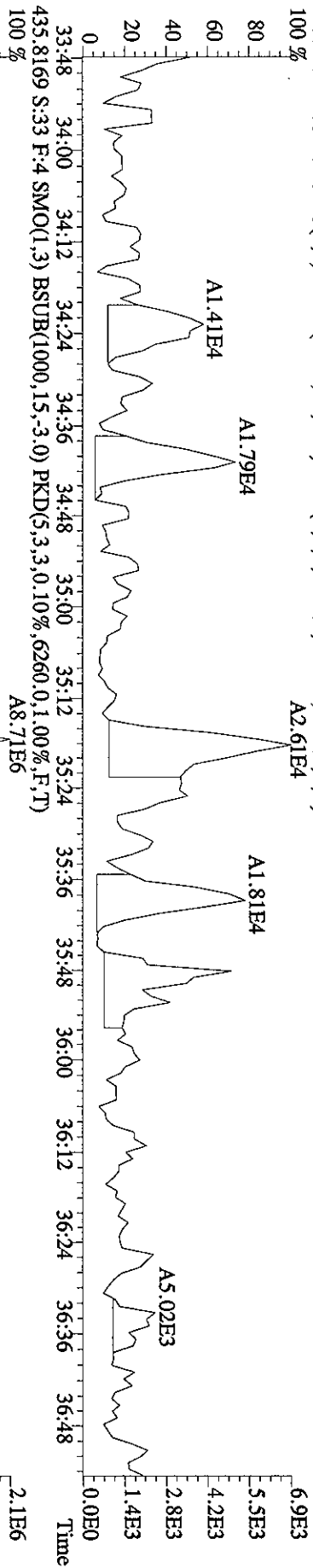
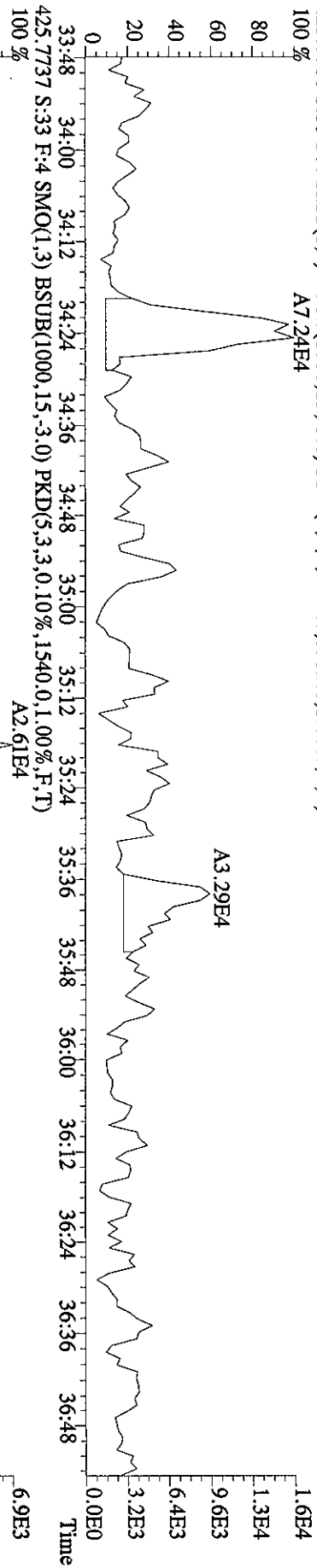
File:20MR061D5 #1-375 Acq:21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text:H04HQ-1-AC :G6C100424-2 Exp:DIOXIN
 389.8157 S:33 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1732,0,1,00%,F,T)



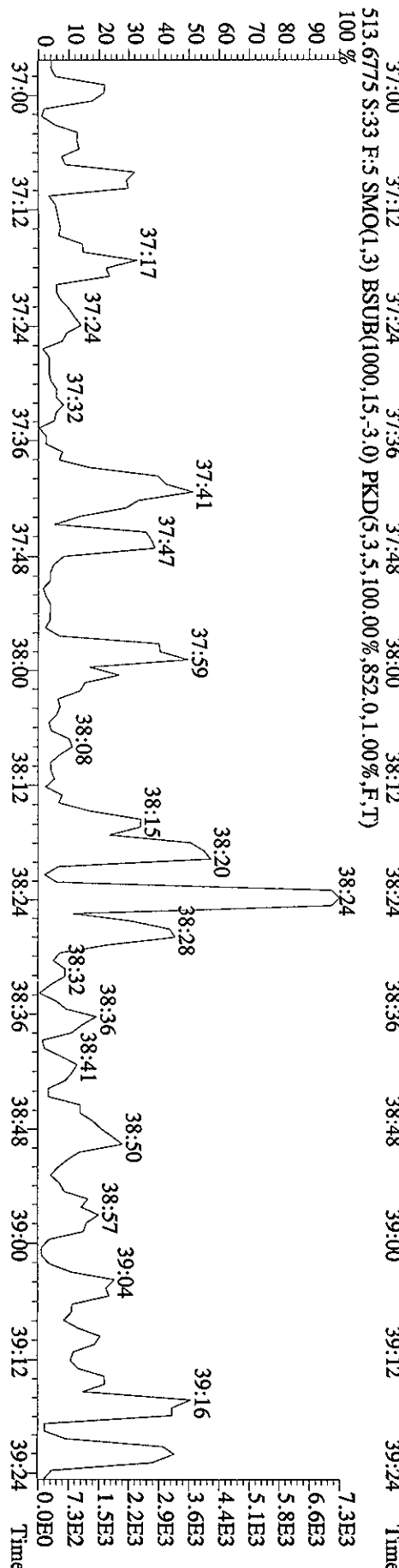
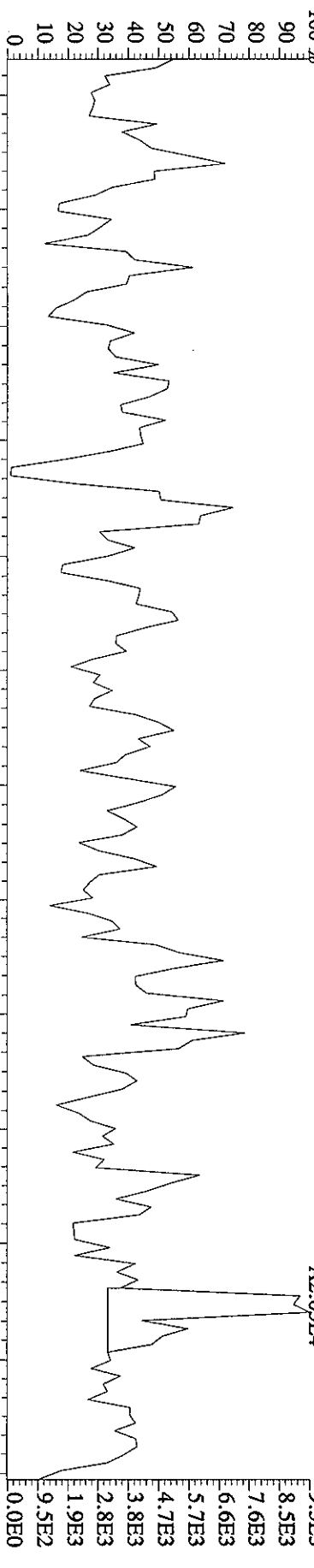
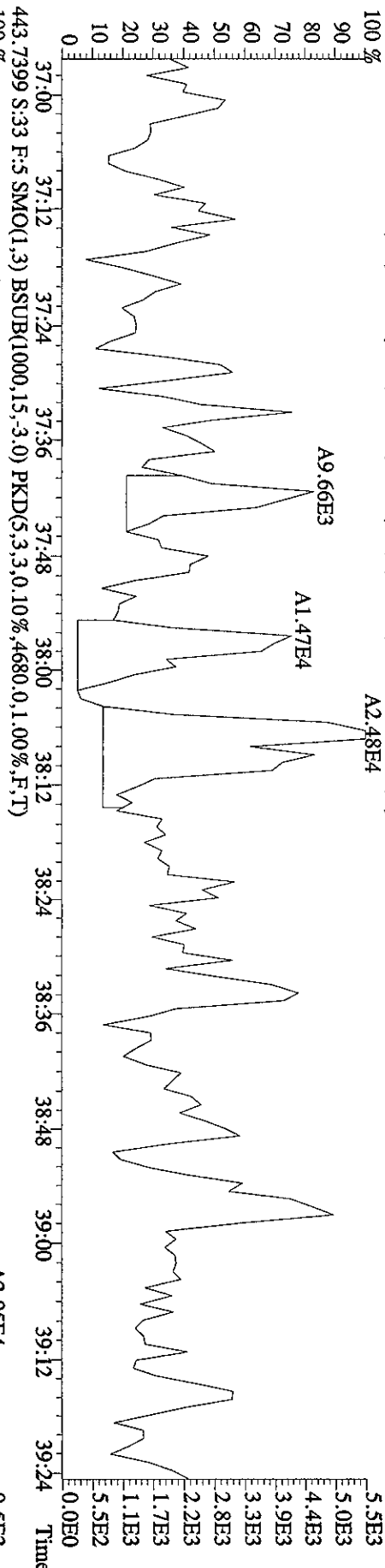
File: 20MR061D5 #1-220 Acq: 21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text: H04HQ-1-AC : G6C100424-2 Exp: DIOXIN
 407.7818 S:33 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2272,0.1,00%,F,T)
 100 % A5.33E4



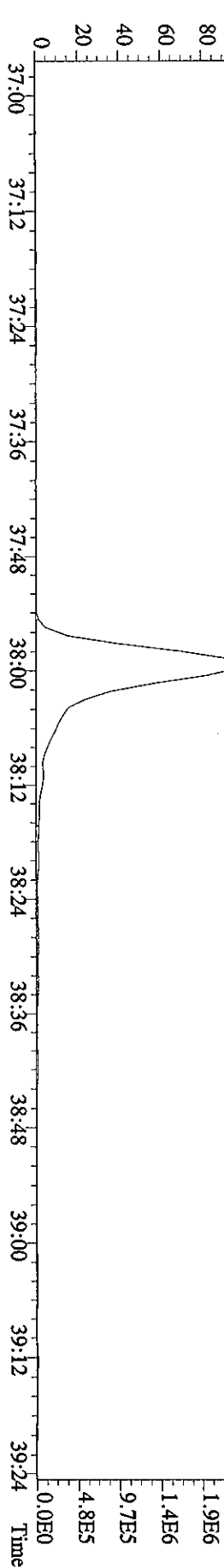
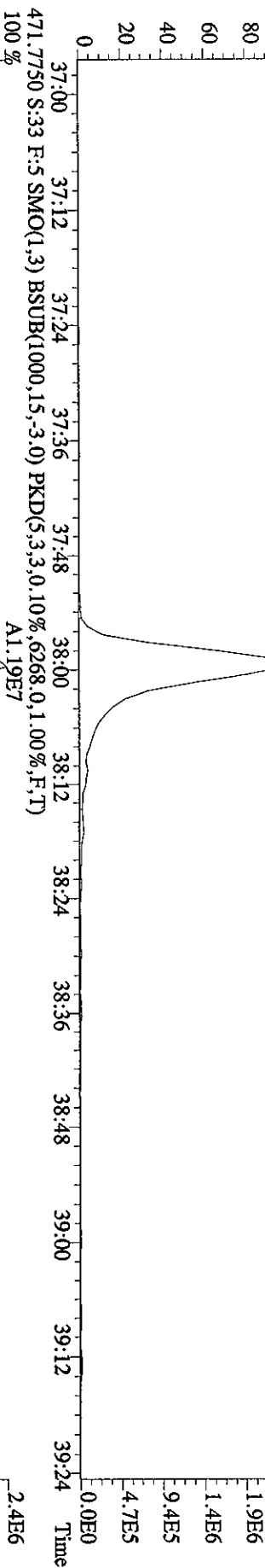
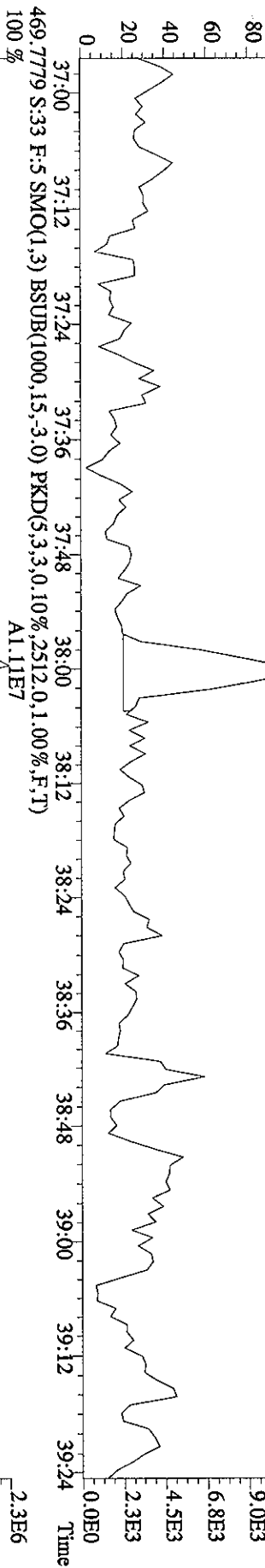
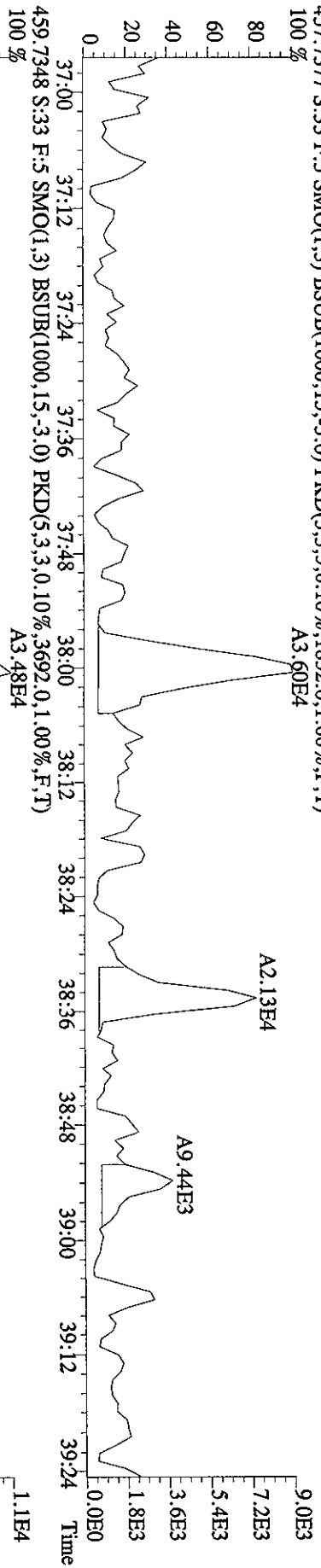
File: 20MR061D5 #1-220 Acq: 21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text: H04HQ-1-AC : G6C100424-2 Exp: DIOXIN
 423.7766 S:33 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3932,0.1,00%,F,T)
 100%

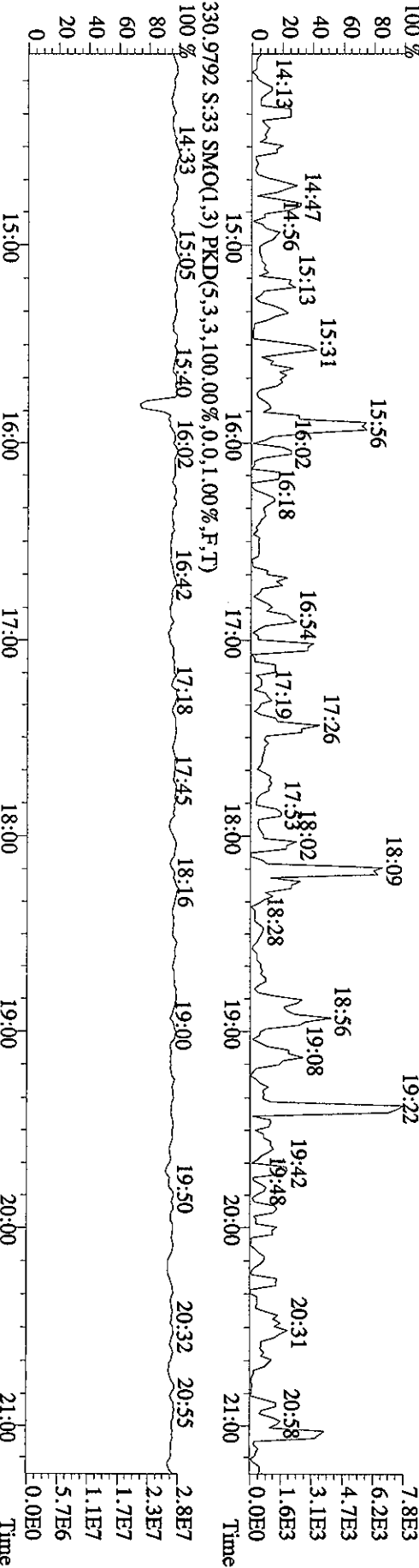
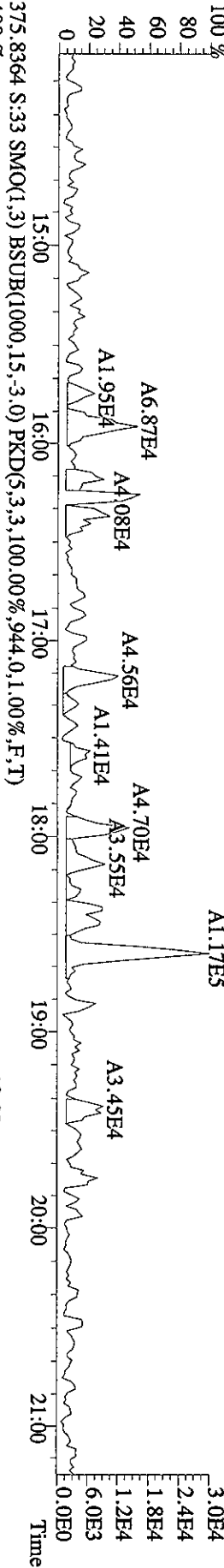
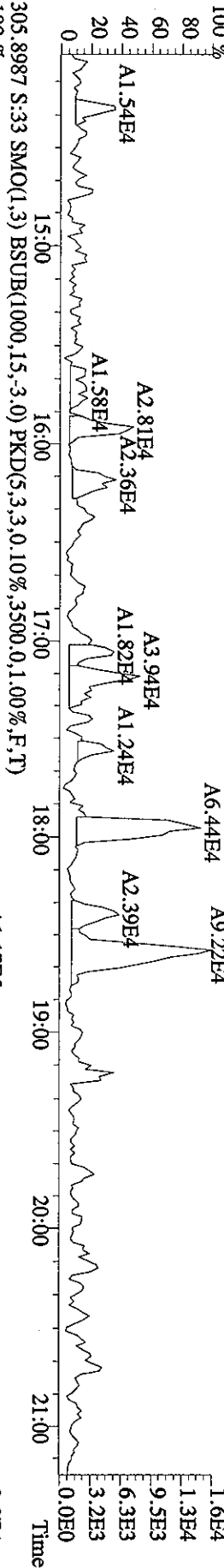
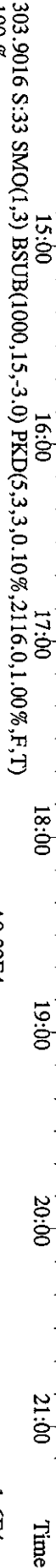
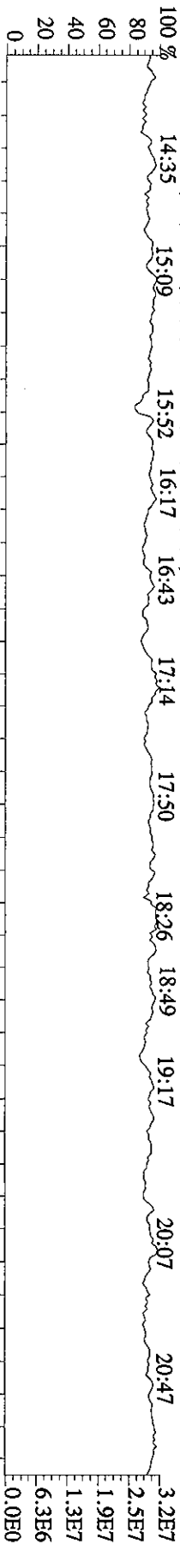


File:20MR061D5 #1-179 Acq:21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text:H04H0-1-AC :G6C100424-2 Exp:DIOXIN
 441.7428 S:33 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2352,0,1,00%,F,T)
 100%

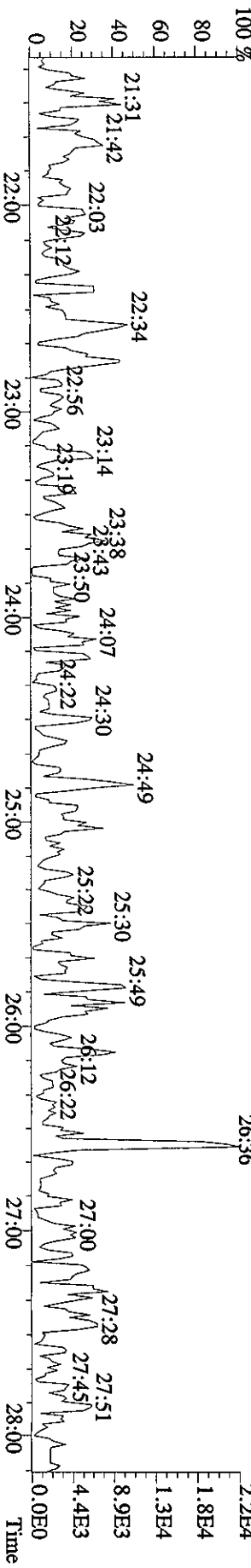
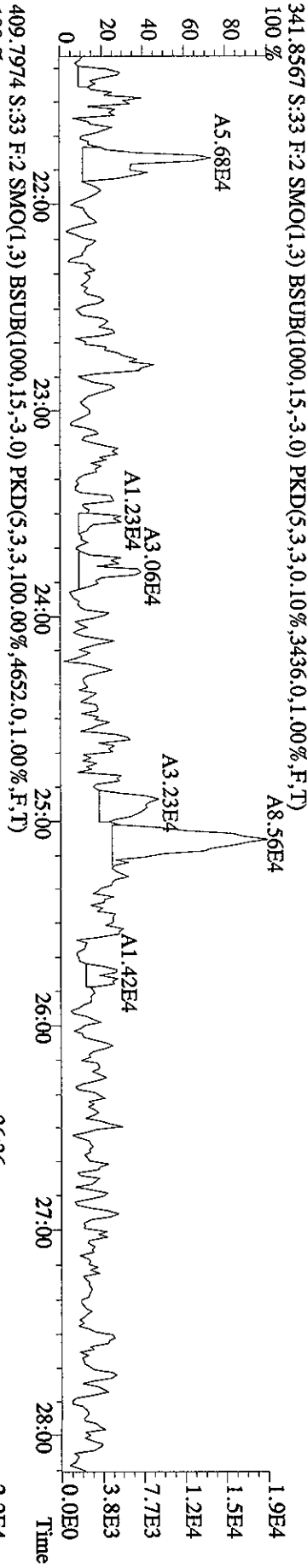
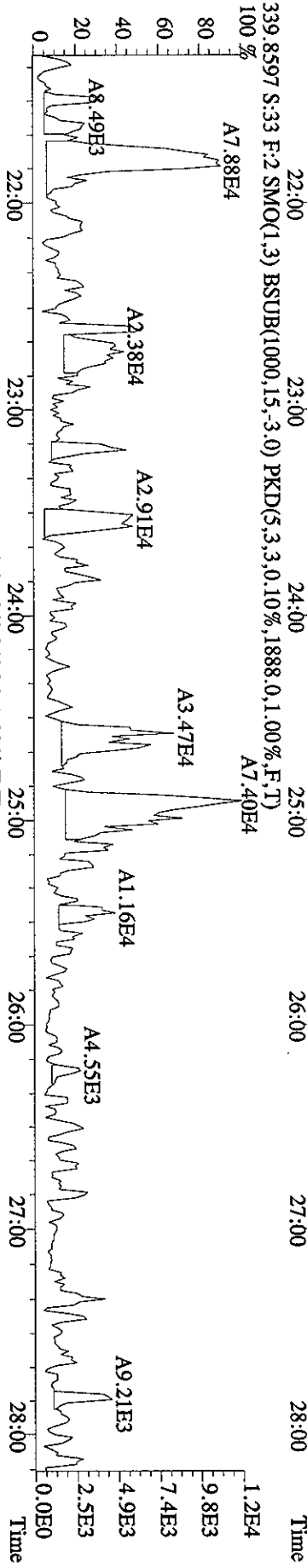
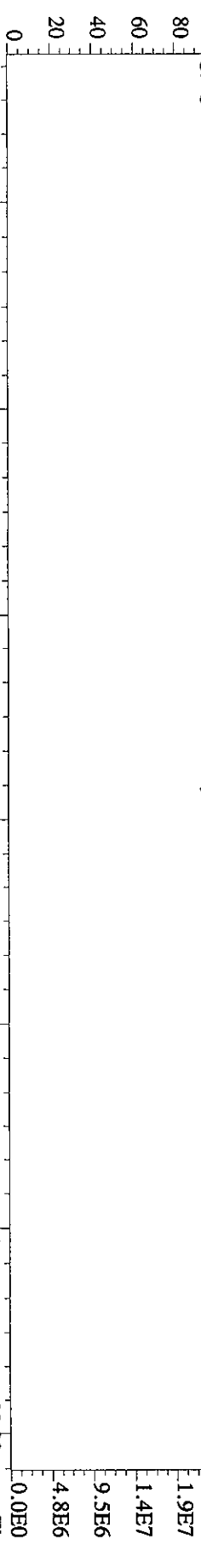


File: 20MR061D5 #1-179 Acq: 21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE
 Sample#33 Text: H04HQ-1-AC : G6C100424-2 Exp: DIOXIN
 457.7377 S:33 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1852,0,1,00%,F,T)
 100% A3.60E4





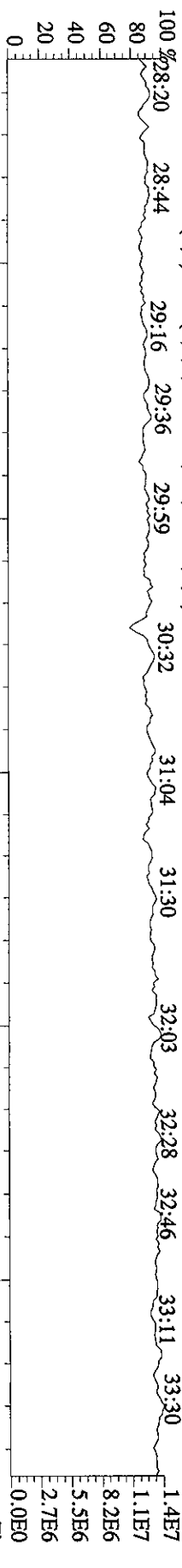
File: 20MR061D5 #1-486 Acq: 21-MAR-2006 08:45:58 GC EI + Voltage SIR 70SE
 Sample#33 Text: H04HQ-1-AC : G6C100424-2 Exp: DIOXIN
 342.9792 S:33 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:38 21:59 22:32 22:55 23:25 23:53 24:43 25:33 25:56 26:42 27:12 27:52



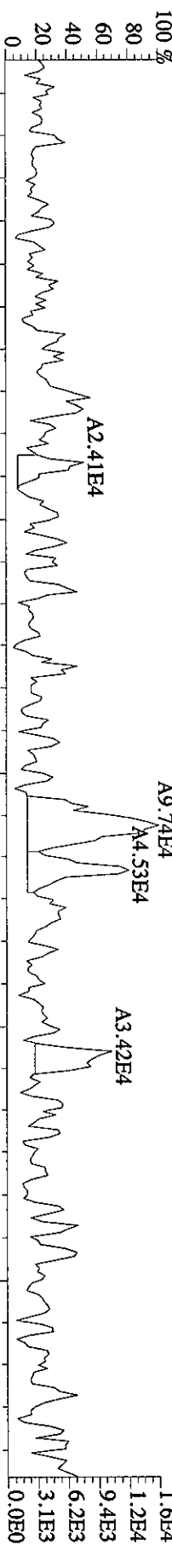
File: 20MR061D5 #1-375 Acq: 21-MAR-2006 08:45:58 GC EI+ Voltage SIR 70SE

Sample#33 Text: H04HQ-1-AC : G6C100424-2 Exp: DIOXIN

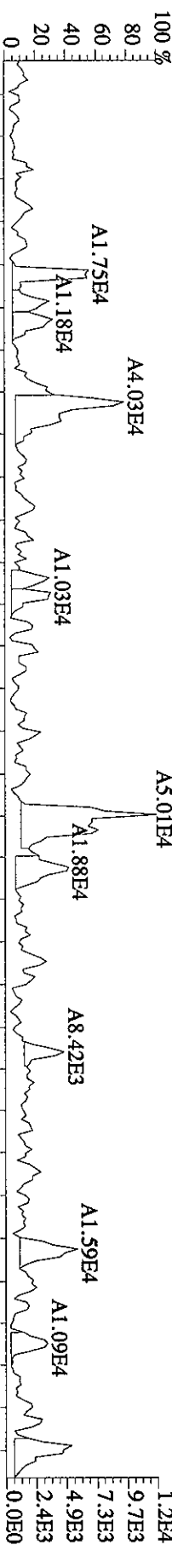
392.9760 S:33 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



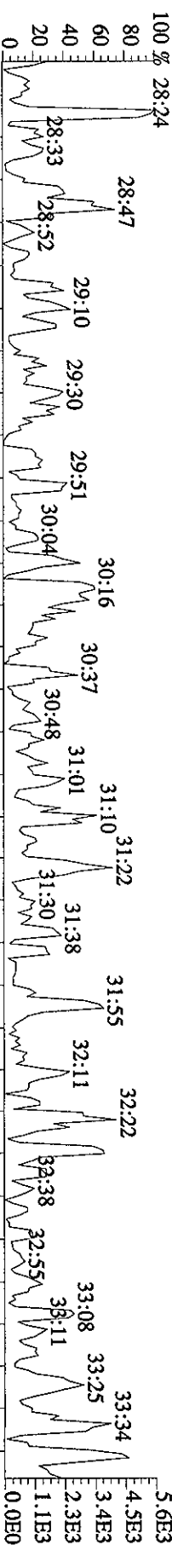
373.8208 S:33 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4656,0,1,00%,F,T)



375.8178 S:33 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1824,0,1,00%,F,T)



445.7555 S:33 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,1496,0,1,00%,F,T)



380.9760 S:33 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

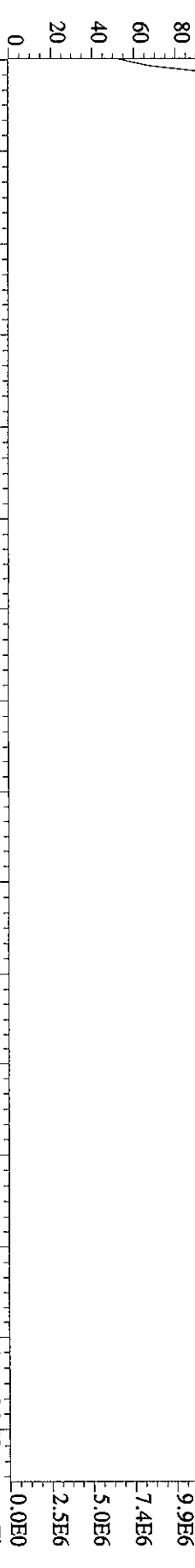


File:20MR061D5 #1-220 Acq:21-MAR-2006 08:45:58 GC EI + Voltage SIR 70SE

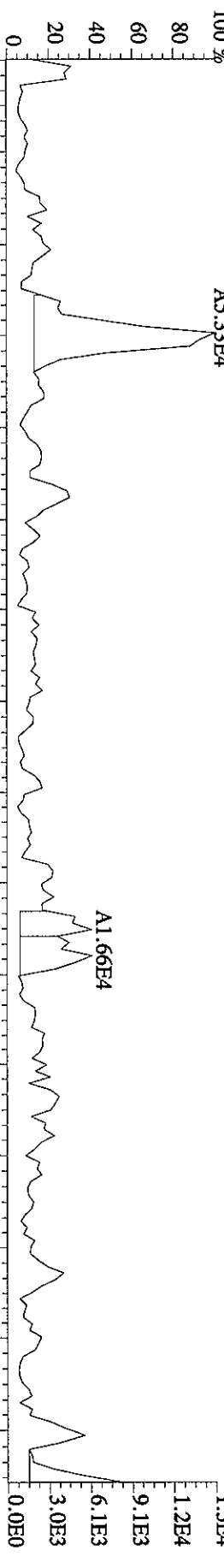
Sample#33 Text:H04HQ-1-AC :G6C100424-2 Exp:DIOXIN

430.9728 S:33 F:4 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

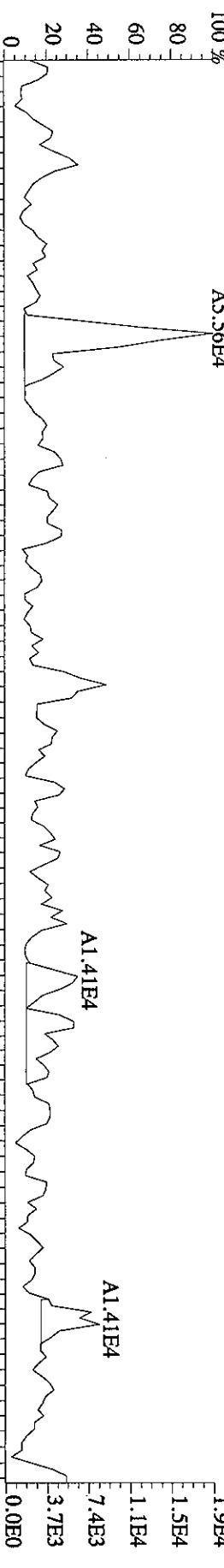
100% 33:58 34:08 34:38 34:54 35:09 35:24 35:38 35:50 36:03 36:17 36:37 36:49



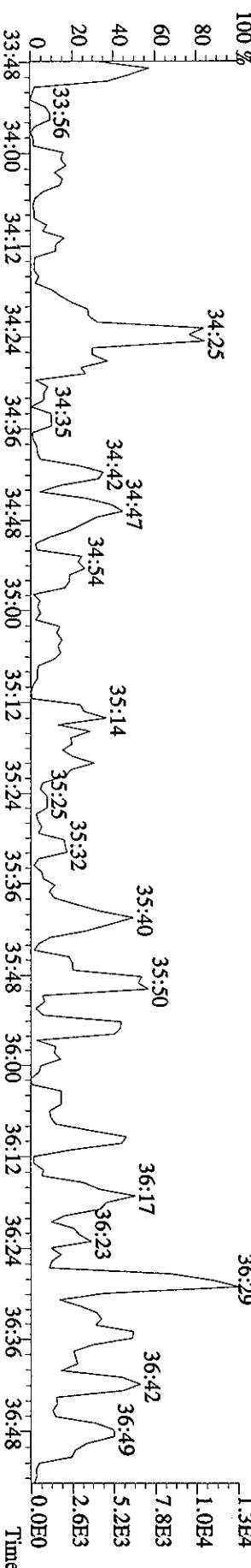
407.7818 S:33 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2272.0,1.00%,F,T)



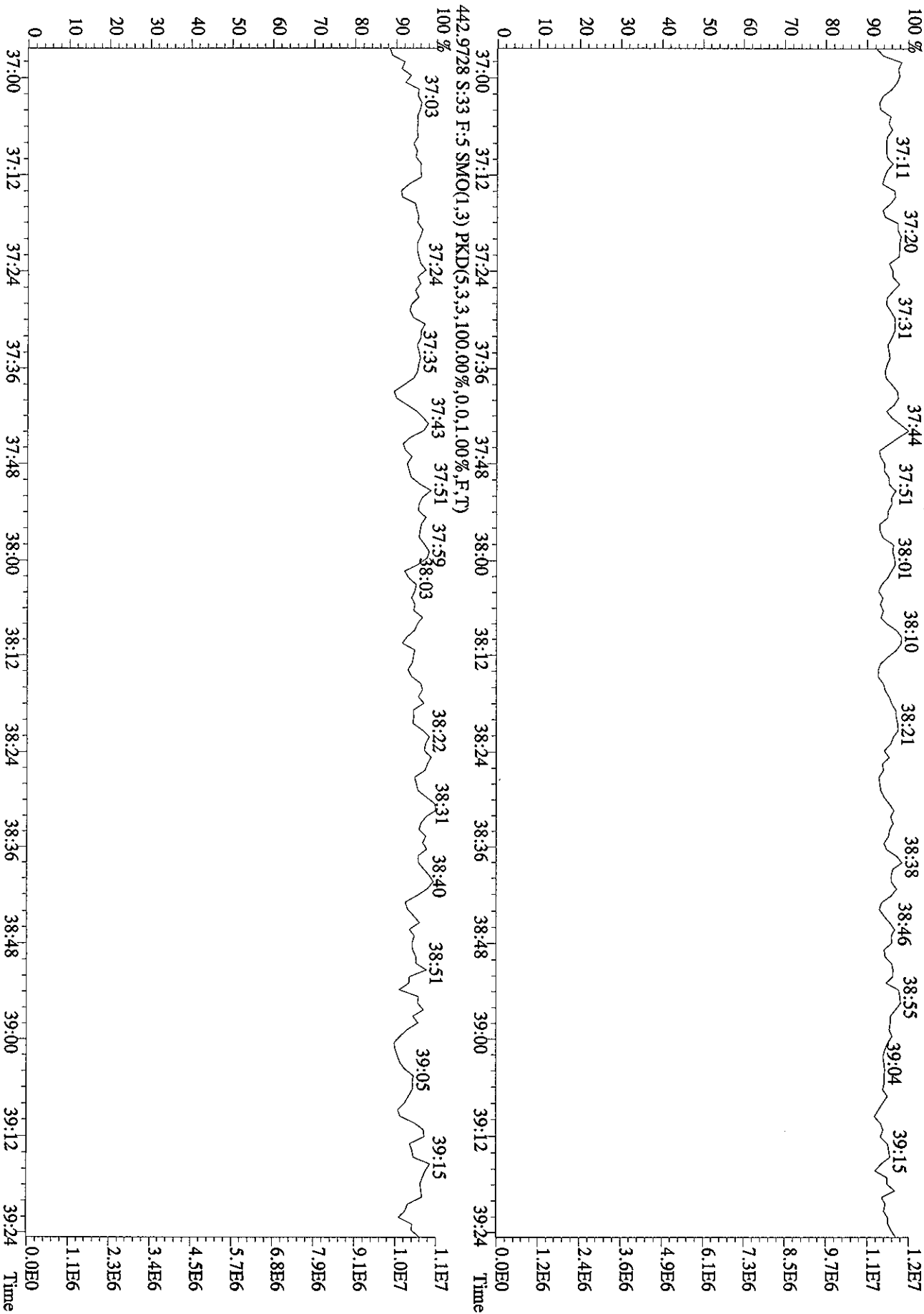
409.7789 S:33 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3980.0,1.00%,F,T)



479.7165 S:33 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1660.0,1.00%,F,T)



File:20MR061D5 #1-179 Acq:21-MAR-2006 08:45:58 GC EI + Voltage SIR 70SE
Sample#33 Text:H04HQ-1-AC :G6C100424-2 Exp:DIOXIN
454.9728 S:33 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: H04HR-1-AC Sample text: H04HR-1-AC :G6C100424-3
 Run #34 Filename: 20MR061D5 S: 34 I: 1 Results: 20MR061D58290
 Acquired: 21-MAR-06 09:27:37 Processed: 21-MAR-06 10:23:38
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000µg

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	100237100	0.84 y	18:28	-	8.51	-	-	n
13C-2,3,7,8-TCDF	80221200	0.79 y	17:55	1.70	94.14	0.09	47.1	n
2,3,7,8-TCDF	66465	0.59 n	17:57	1.10	0.15 DL	0.15	-	n
Total TCDF	554569	0.57 n	15:56	1.10	1.25 0.33 = DL	0.15	-	n
13C-2,3,7,8-TCDD	40453600	0.80 y	18:39	0.87	92.91	0.40	46.5	n
2,3,7,8-TCDD	*	* n	NotFnd	1.42	*	0.20	-	n
Total TCDD	62729	3.82 n	17:55	1.42	0.22	0.20	-	n
37Cl-2,3,7,8-TCDD	83212800	1.00 y	18:41	2.41	68.95	0.09	86.2	n
13C-1,2,3,7,8-PeCDF	56065600	1.68 y	23:13	1.42	78.76	0.09	39.4	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	1.04	*	0.30	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	1.07	*	0.29	-	n
Total F2 PeCDF	261485	2.28 n	21:47	1.06	0.88	0.29	-	n
Total F1 PeCDF	115190	0.12 n	15:54	1.06	0.39 0.34 = DL	0.24	-	n
13C-1,2,3,7,8-PeCDD	30953700	1.61 y	25:22	0.83	74.01	0.10	37.0	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*	0.70	-	n
Total PeCDD	391828	3.49 n	23:12	1.05	2.40 2.09 = DL	0.70	-	n
13C-1,2,3,7,8,9-HxCDD	71854300	1.28 y	32:41	-	6.65	-	-	n
13C-1,2,3,4,7,8-HxCDF	31525700	0.52 y	31:13	1.33	65.73	0.20	32.9	n
1,2,3,4,7,8-HxCDF	60136	1.46 n	31:13	1.14	0.34	0.48	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.23	*	0.45	-	n
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.13	*	0.49	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*	0.50	-	n
Total HxCDF	122505	2.17 n	29:35	1.15	0.68	0.48 0.50	-	n
13C-1,2,3,6,7,8-HxCDD	23980900	1.31 y	32:21	0.97	68.62	0.07	34.3	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.98	*	0.50	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.07	*	0.45	-	n
1,2,3,7,8,9-HxCDD	25485	0.48 n	32:42	1.10	0.19	0.44	-	n
Total HxCDD	62130	1.84 n	32:04	1.05	0.49	0.46 0.50	-	n
13C-1,2,3,4,6,7,8-HpCDF	21948410	0.44 y	34:24	1.06	57.58	0.37	28.8	n
1,2,3,4,6,7,8-HpCDF	62166	0.51 n	34:24	1.37	0.41	0.50	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.23	*	0.56	-	n
Total HpCDF	62166	0.51 n	34:24	1.30	0.41	0.53 0.56	-	n
13C-1,2,3,4,6,7,8-HpCDD	17587580	1.08 y	35:17	0.89	54.70	0.54	27.3	n
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.06	*	0.72	-	n
Total HpCDD	102432	1.52 n	34:23	1.06	1.10	0.72	-	n
13C-OCDD	22761400	0.88 y	37:59	0.76	83.24	0.41	20.8	n

OCDF	*	*	n	NotFnd	1.46	*	1.22	-	n
OCDD	72601	0.70	n	38:03	1.10	1.16	0.91	-	n

Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:10
Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 12.53 of which 1.50 named and 11.02 unnamed
Conc: 1.25 of which 0.15 named and 1.10 unnamed

Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >? Mod?. Contains 10 rows of data for various peaks, including 2,3,7,8-TCDF and a circled peak at 18:35 with a concentration of 0.33.

Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:2
Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 2.19 of which * named and 2.19 unnamed
Conc: 0.22 of which * named and 0.22 unnamed

Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >? Mod?. Contains one row of data.

1	17:55	3.82	n	0.11	65111 17033	7.6 1.9	y n	n n
2	19:55	1.02	n	0.11	18726 18407	2.3 1.9	n n	n n

Totals Results STL Sacramento

Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:3
 Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 8.81 of which * named and 8.81 unnamed
 Conc: 0.88 of which * named and 0.88 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	21:47	2.28	n	0.34	90948 39922	12.0 2.8	y n
	2	24:57	1.57	y	0.30	53622 34177	5.6 3.4	y n
	3	25:06	0.31	n	0.24	43695 140350	5.2 5.6	y n

Totals Results STL Sacramento

Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:3
 Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 3.88 of which * named and 3.88 unnamed
 Conc: 0.39 of which * named and 0.39 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	15:54	0.12	n	0.18	33168 287185	5.8 18.3	y n
	2	16:04	0.26	n	0.03	6296 24090	1.5 1.3	n n
	3	19:41	0.11	n	0.17	30554 277186	5.8 13.3	y n

Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:3
 Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 24.02 of which * named and 24.02 unnamed
 Conc: 2.40 of which * named and 2.40 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	23:12	3.49 n	0.27	59413 17005	1.7 2.6	n	n
	2	24:38	10.61 n	0.04	28710 2707	1.6 1.0	n	n
	3	25:05	5.19 n	2.09	694842 133946	17.8 17.0	y	n

Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:3
 Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 6.80 of which 3.36 named and 3.44 unnamed
 Conc: 0.68 of which 0.34 named and 0.34 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	29:35	2.17 n	0.24	42370 19486	1.8 2.6	n	n
	2	29:40	0.53 n	0.10	10363 19486	0.8 2.6	n	n
1,2,3,4,7,8-HxCDF	3	31:13	1.46 n	0.34	39149 26847	1.7 3.7	n	n

Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:2
 Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 4.85 of which 1.94 named and 2.92 unnamed
 Conc: 0.49 of which 0.19 named and 0.29 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	32:04	1.84	n	0.29	30149	4.8	y n
						16360	1.5	n n
1,2,3,7,8,9-HxCDD	2	32:42	0.48	n	0.19	14108	2.4	n n
						29271	2.6	n n

Totals Results STL Sacramento

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Run Text: H04HR-1-AC

Sample text: H04HR-1-AC :G6C100424-3

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:1
 Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

Amount: 4.14 of which 4.14 named and * unnamed
 Conc: 0.41 of which 0.41 named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:24	0.51	n	0.41	31692	3.6	y n
						62555	3.6	y n

Totals Results STL Sacramento

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Run Text: H04HR-1-AC

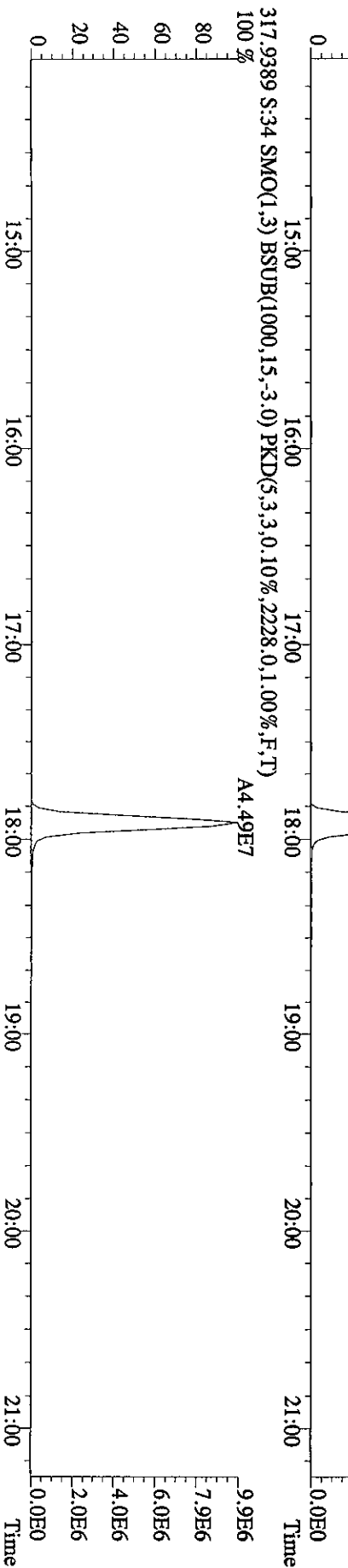
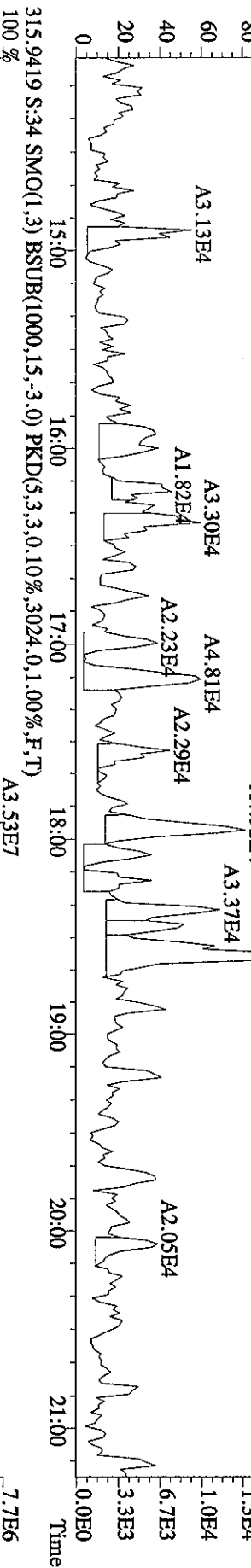
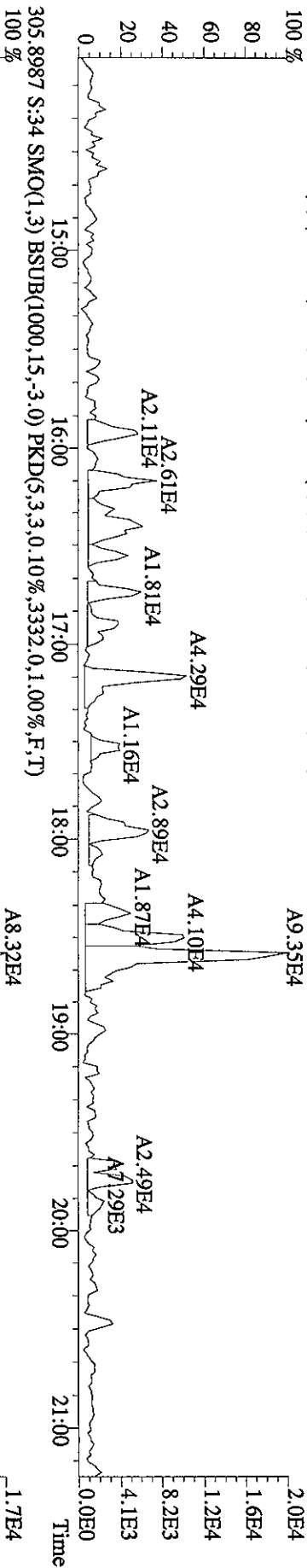
Sample text: H04HR-1-AC :G6C100424-3

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:2
 Run: 34 File: 20MR061D5 S:34 Acq:21-MAR-06 09:27:37
 Tables: Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D5

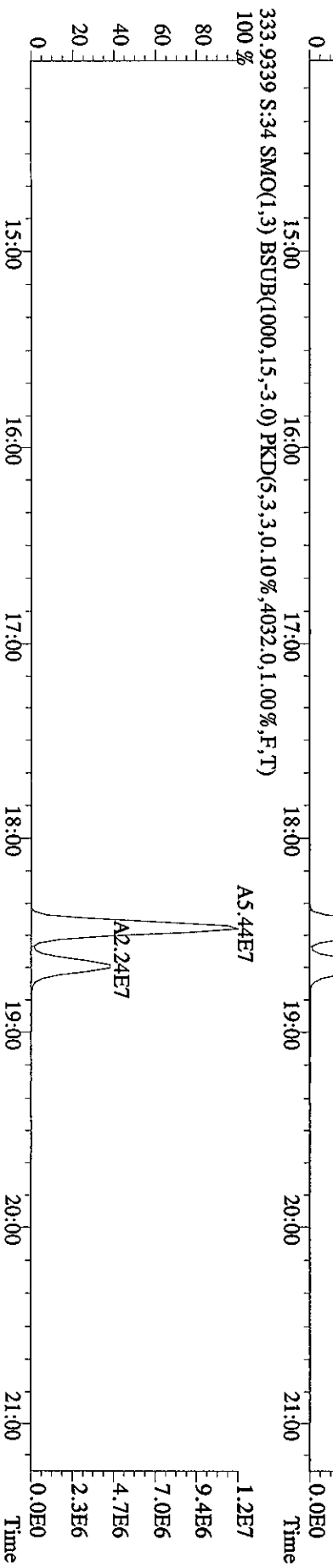
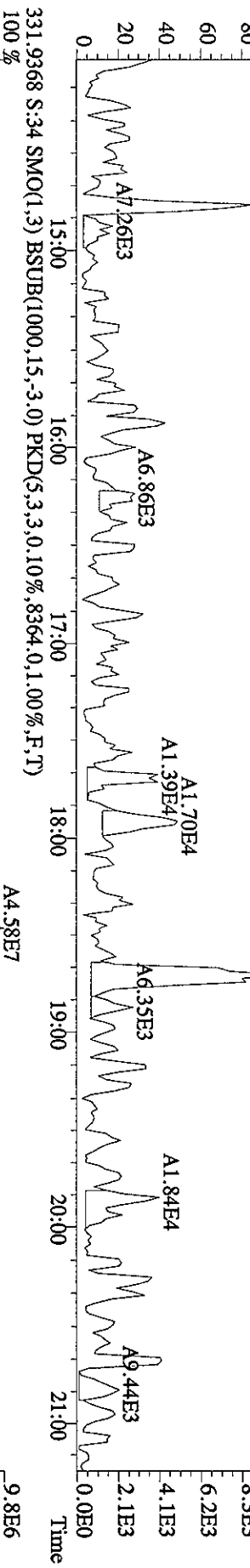
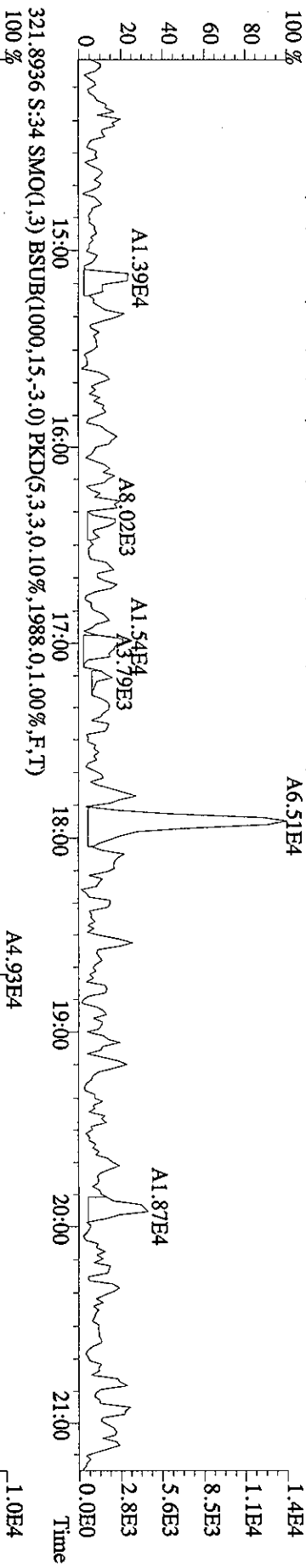
Amount: 10.99 of which * named and 10.99 unnamed
 Conc: 1.10 of which * named and 1.10 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	34:23	1.52	n	0.73	50616	3.6	y n
						33334	4.8	y n
	2	35:37	3.14	n	0.37	52975	3.2	y n
						16878	2.3	n n

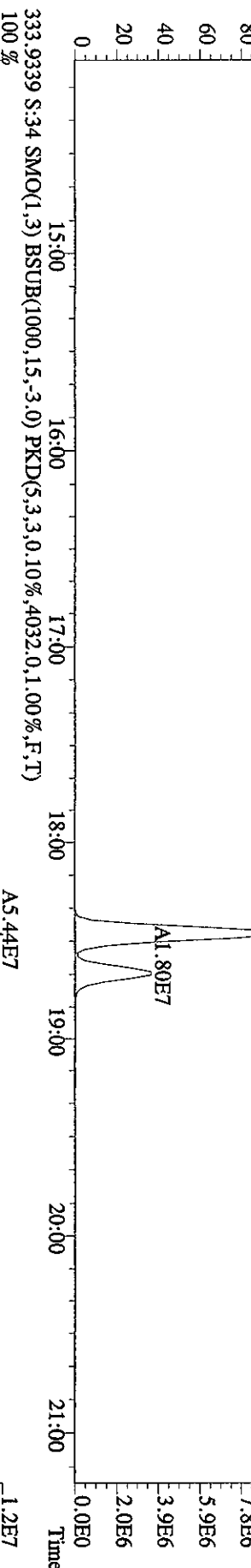
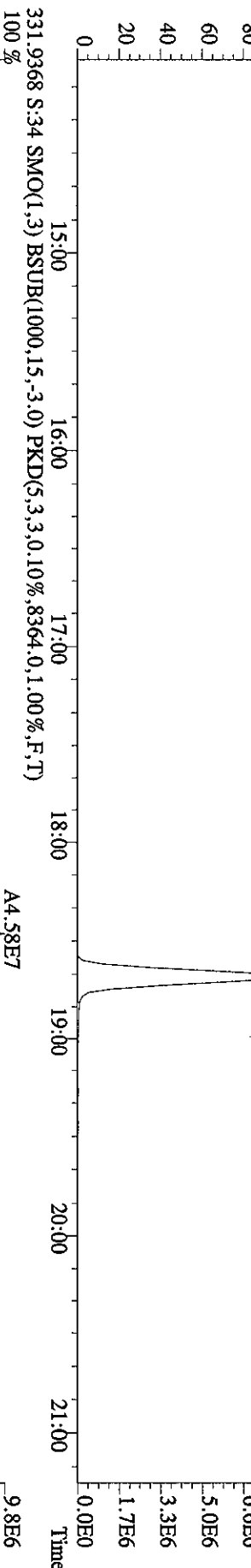
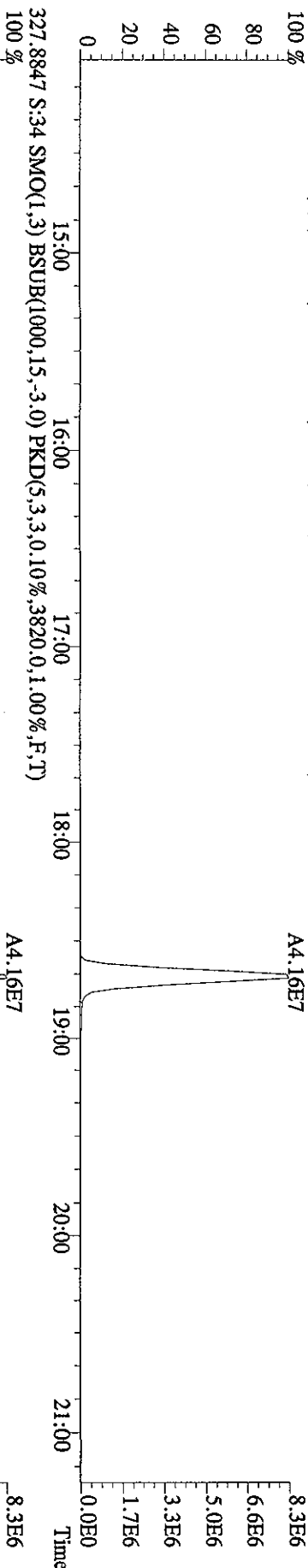
File:20MR061D5 #1-393 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 303.9016 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1620.0,1.00%,F,T)



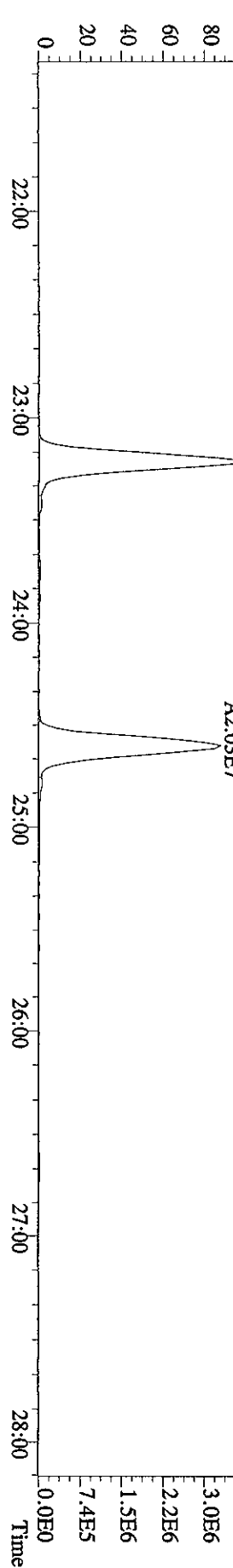
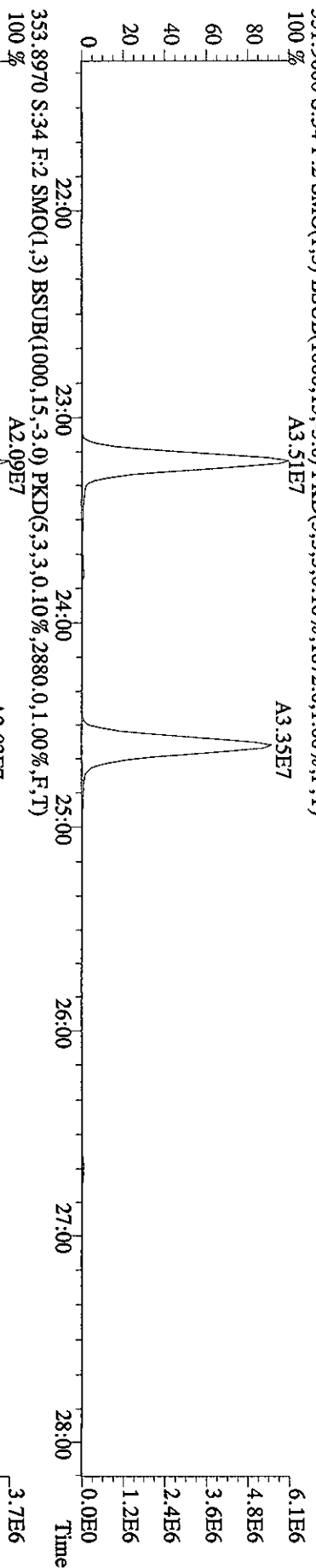
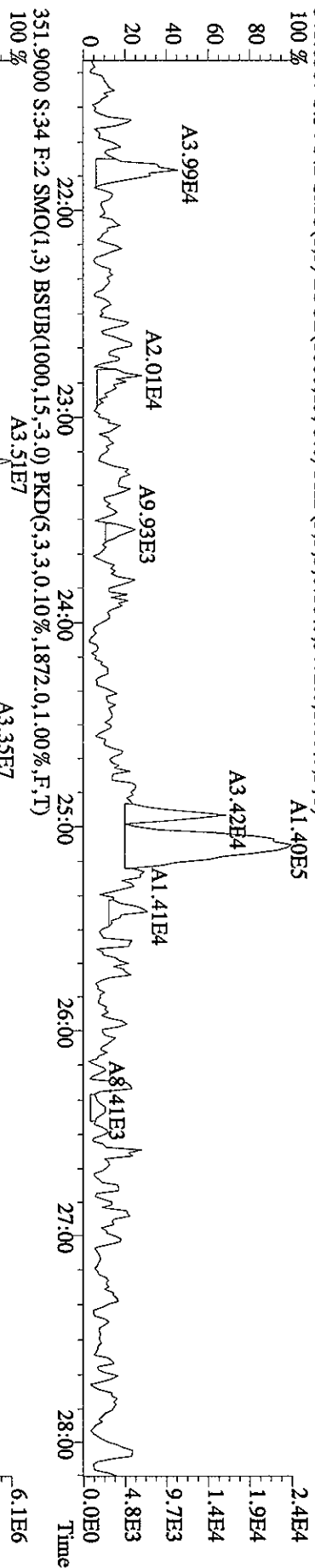
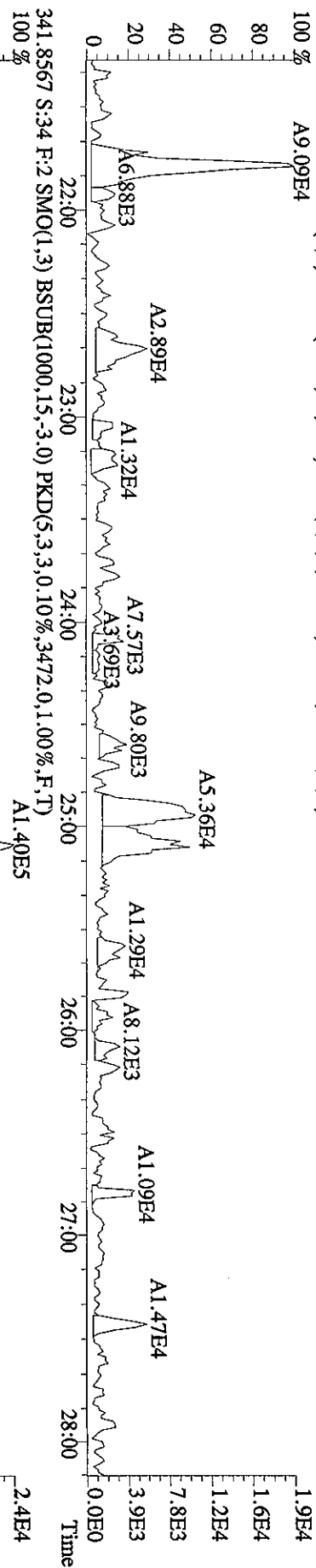
File:20MR061D5 #1-393 Acq:21-MAR-2006 09:27:37 GC:EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 319.8965 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1780.0,1.00%,F,T)



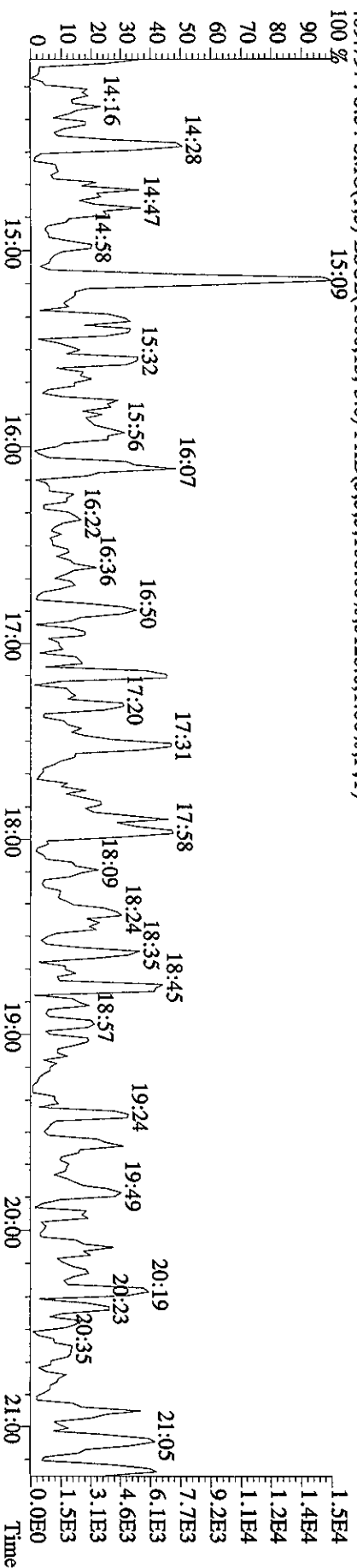
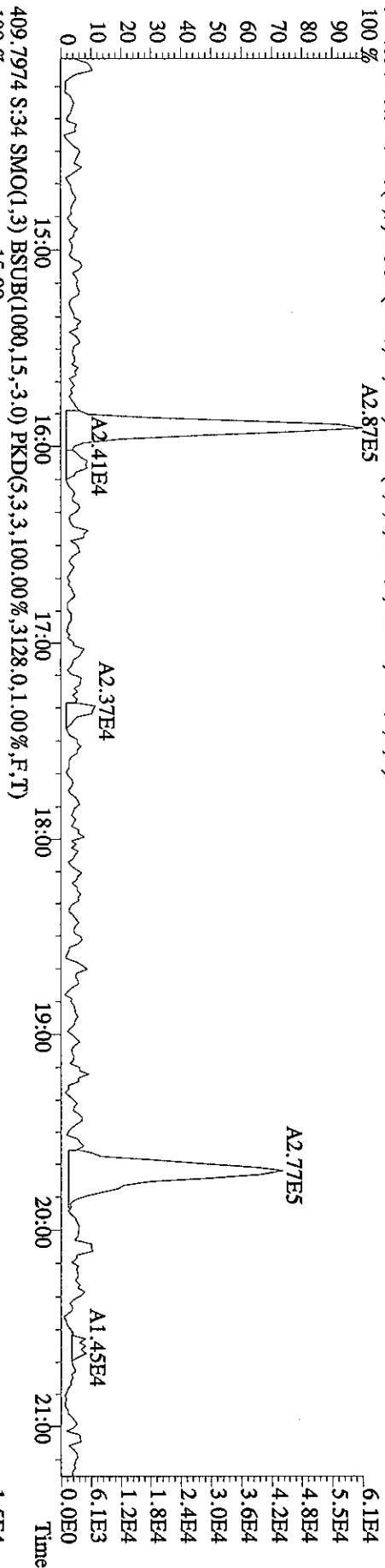
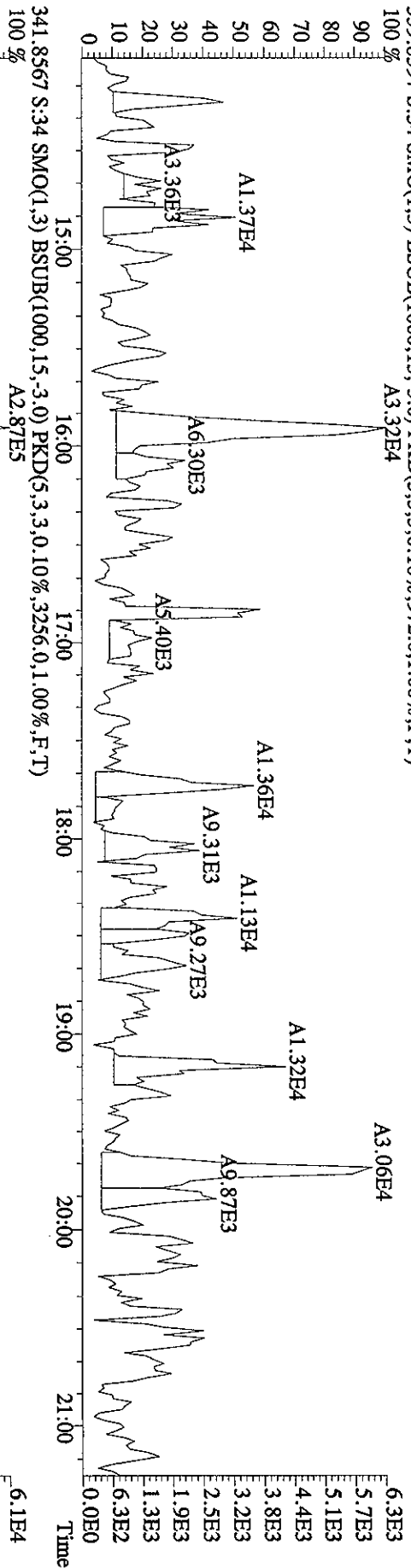
File:20MR061D5 #1-393 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
327.8847 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3820.0,1.00%,F,T)
100%



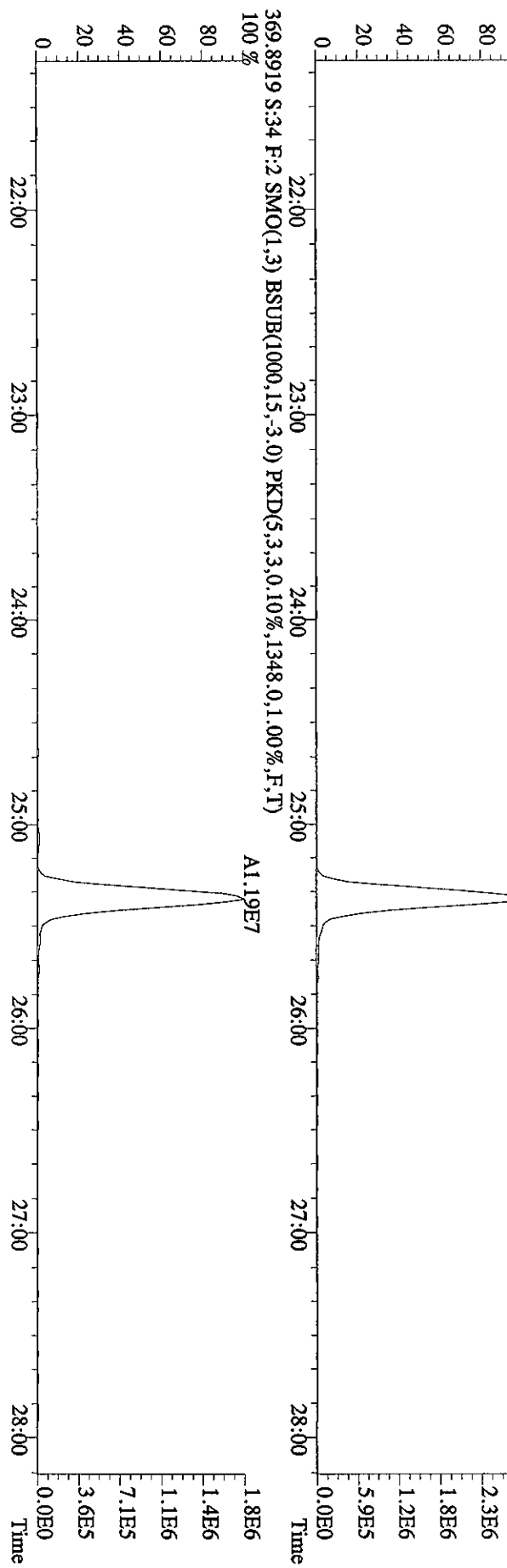
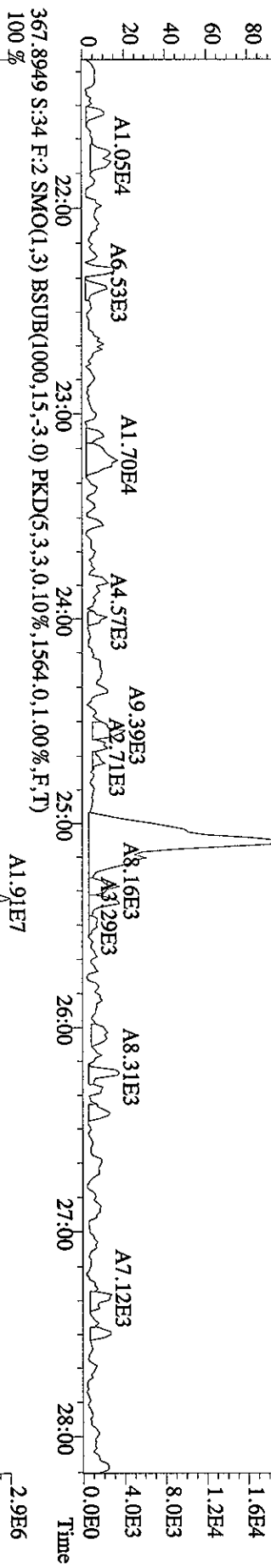
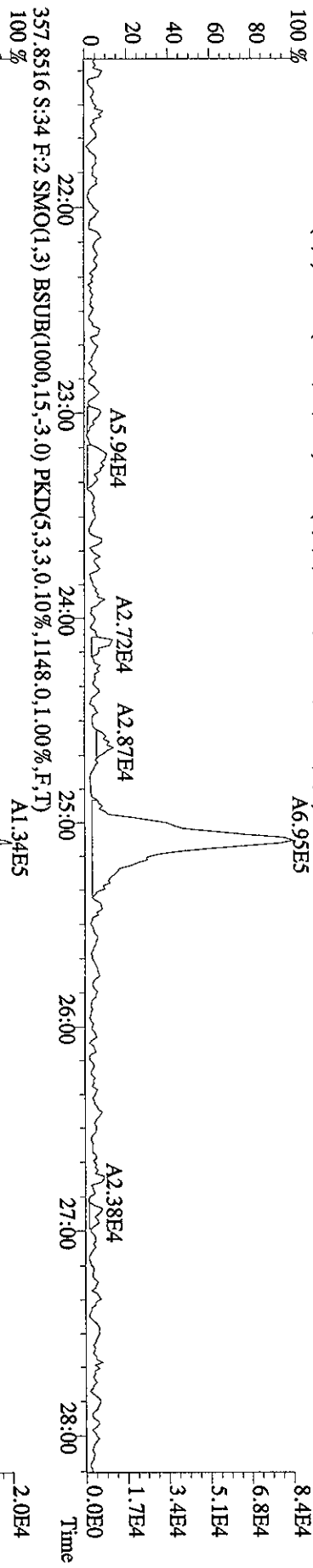
File:20MR061D5 #1-486 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 339.8597 S:34 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1580,0,1,00%,F,T)
 100% A9.09E4



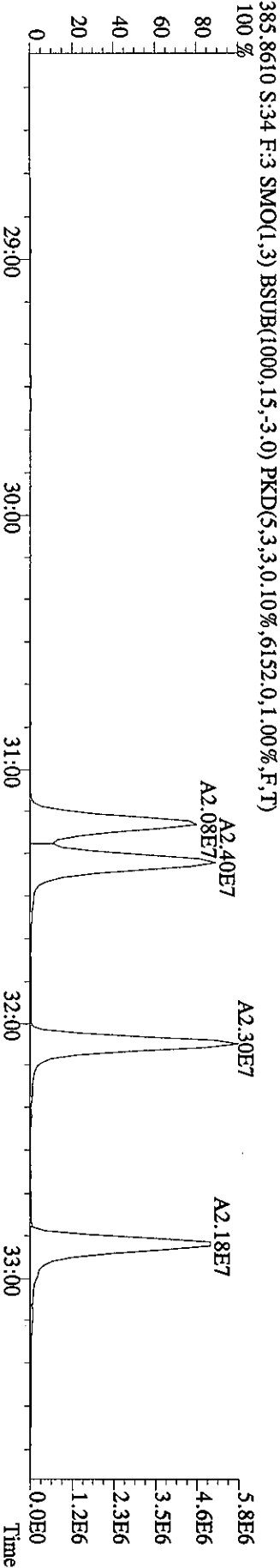
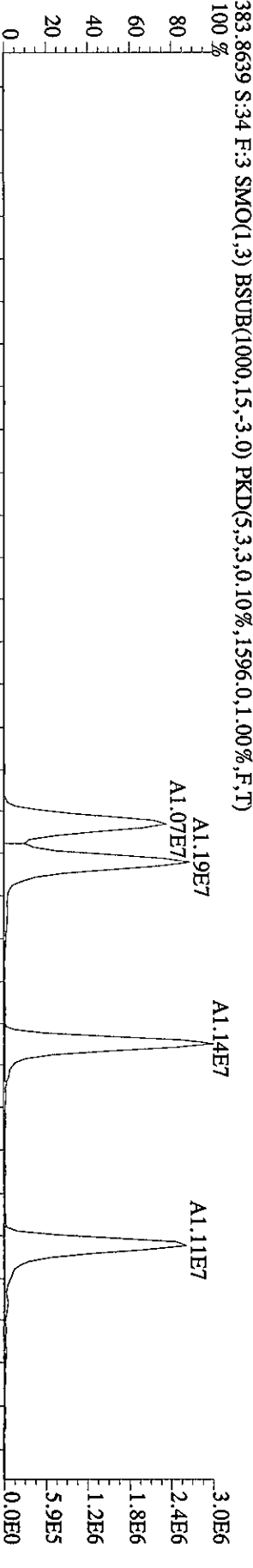
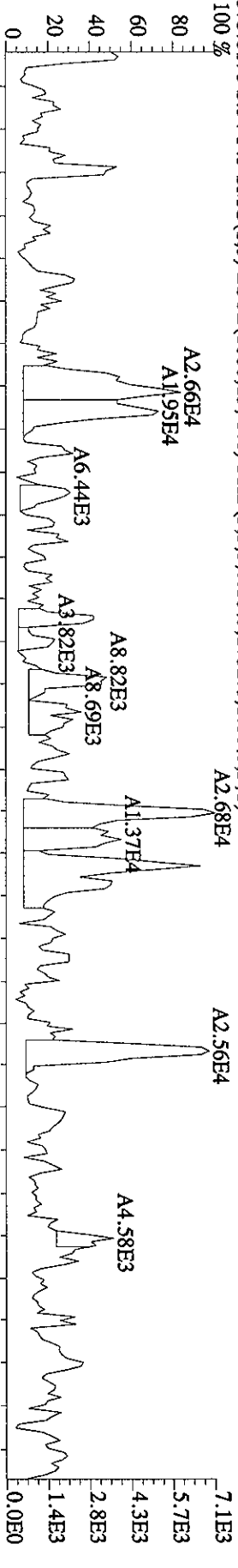
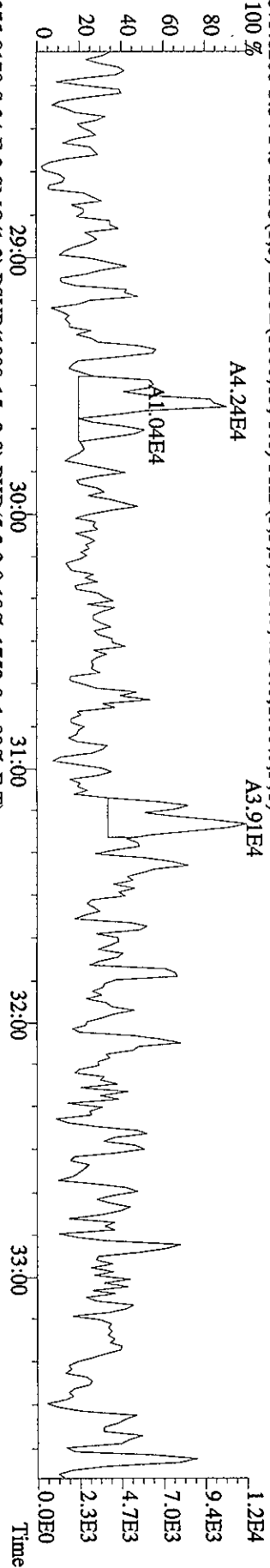
File:20MR061D5 #1-393 Acq:21-MAR-2006 09:27:37 GC EI + Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 339.8597 S:34 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,972.0,1.00%,F,T)



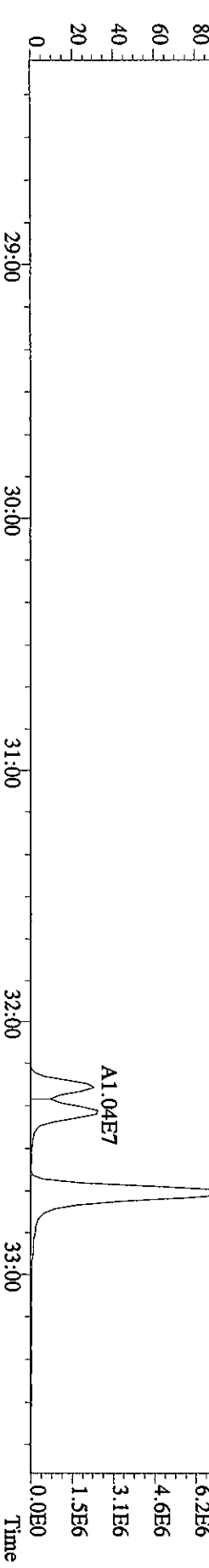
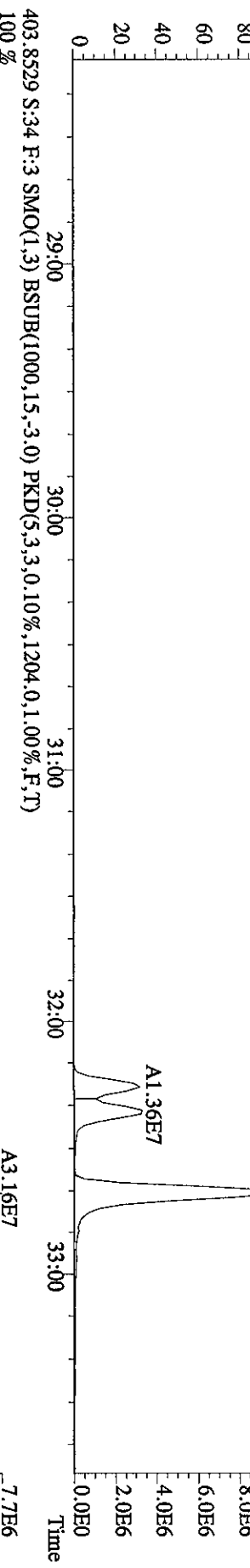
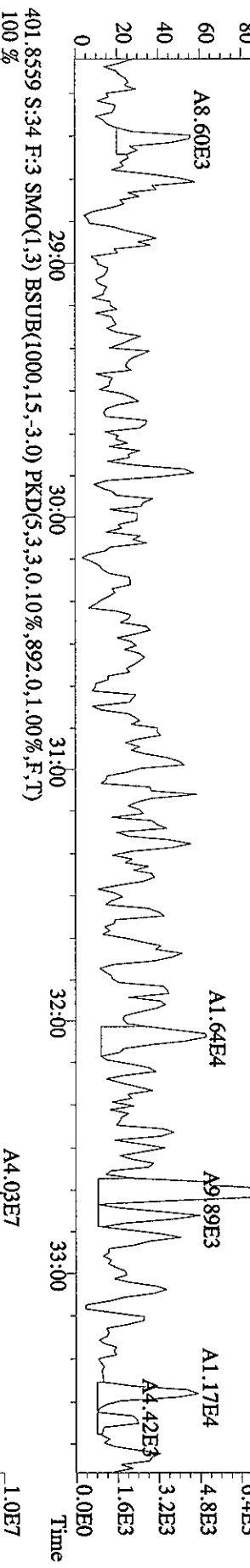
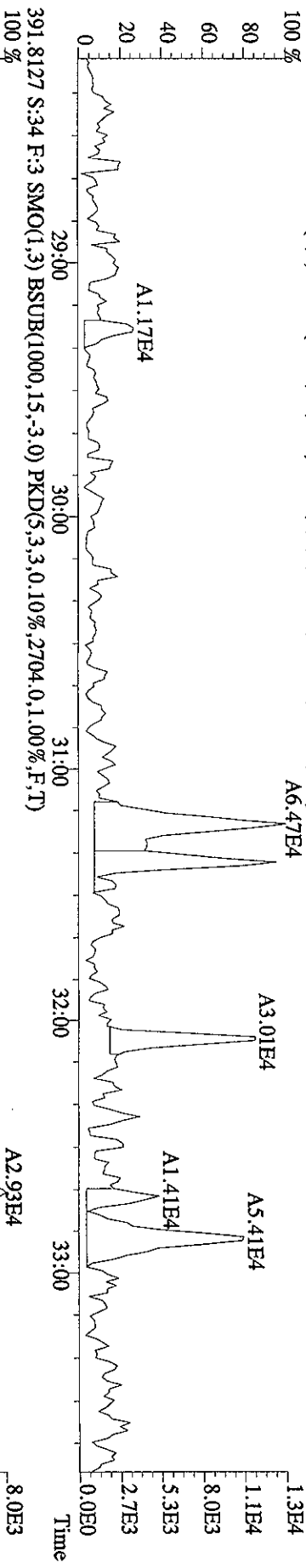
File: 20MR061D5 #1-486 Acq: 21-MAR-2006 09:27:37 GC EI + Voltage SIR 70SE
 Sample#34 Text: H04HR-1-AC : G6C100424-3 Exp: DIOXIN
 357.8516 S:34 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1148,0,1,00%,F,T)
 100%



File: 20MR061ID5 #1-376 Acq: 21-MAR-2006 09:27:37 GC: EI + Voltage SIR 70SE
 Sample#34 Text: H04HR-1-AC : G6C100424-3 Exp: DIOXIN
 373.8208 S:34 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4556,0,1,00%,F,T)
 100%



File:20MR061D5 #1-376 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 389.8157 S:34 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1956,0,1,00%,F,T)



1.3E4

1.1E4

8.0E3

5.3E3

2.7E3

8.0E3

6.4E3

4.8E3

3.2E3

1.6E3

1.0E7

8.0E6

6.0E6

4.0E6

2.0E6

7.7E6

6.2E6

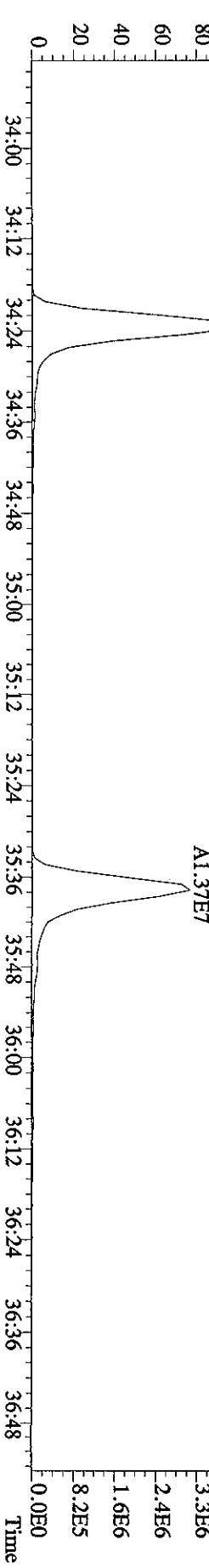
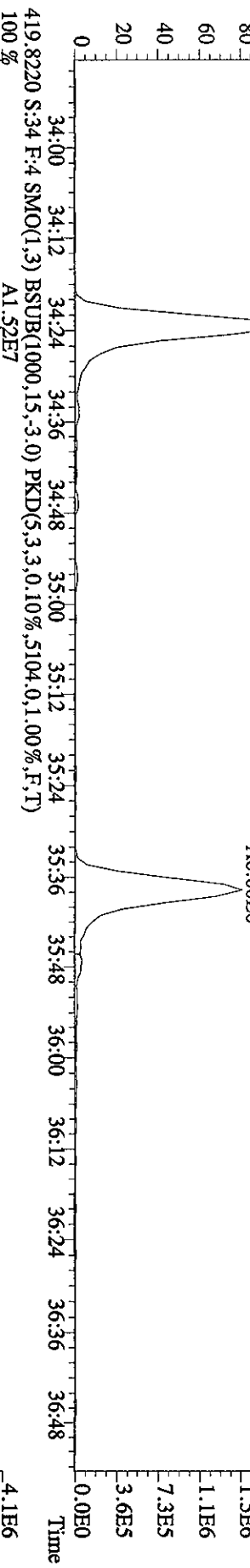
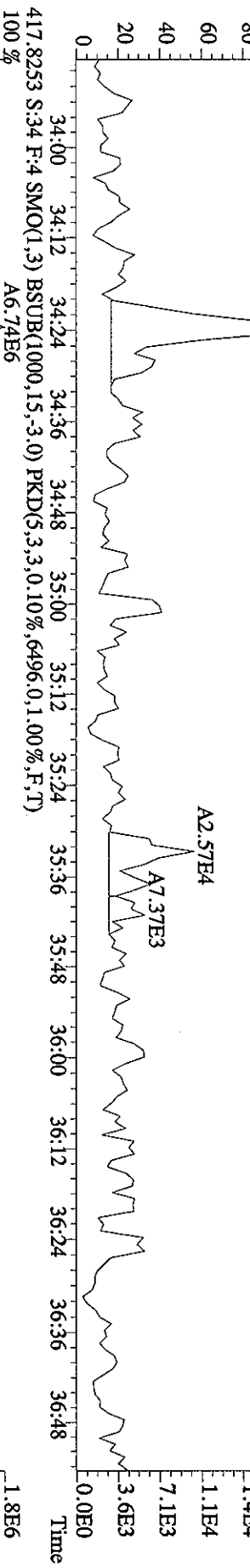
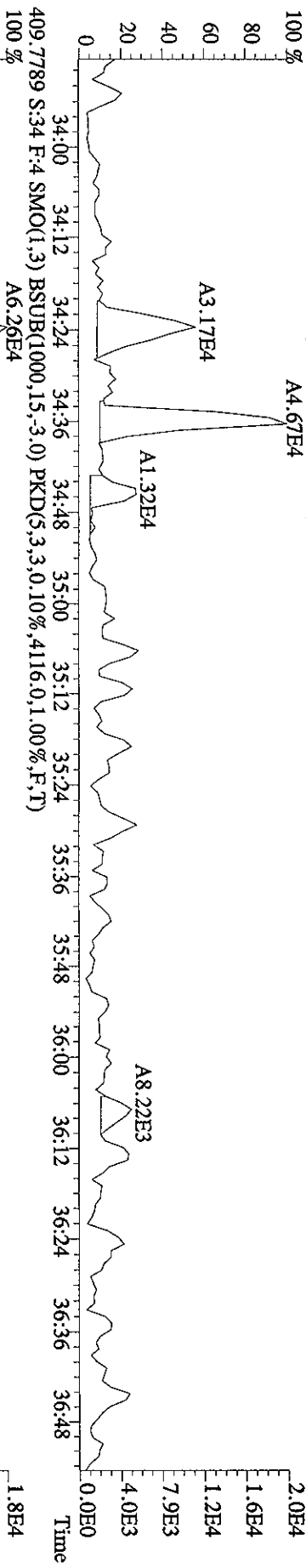
4.6E6

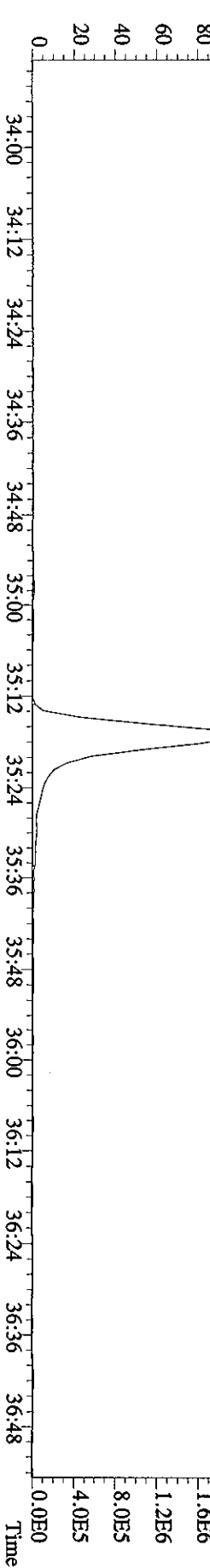
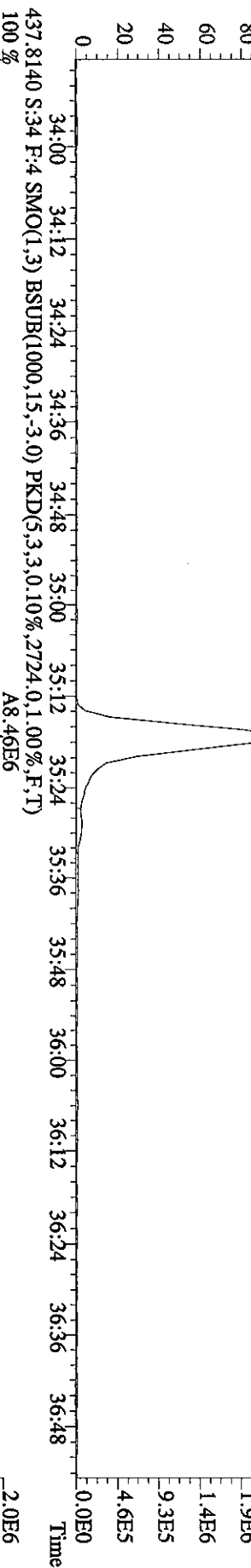
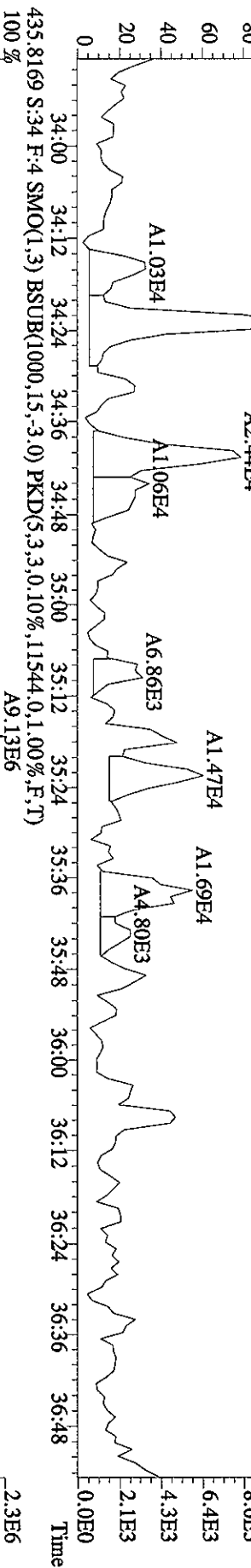
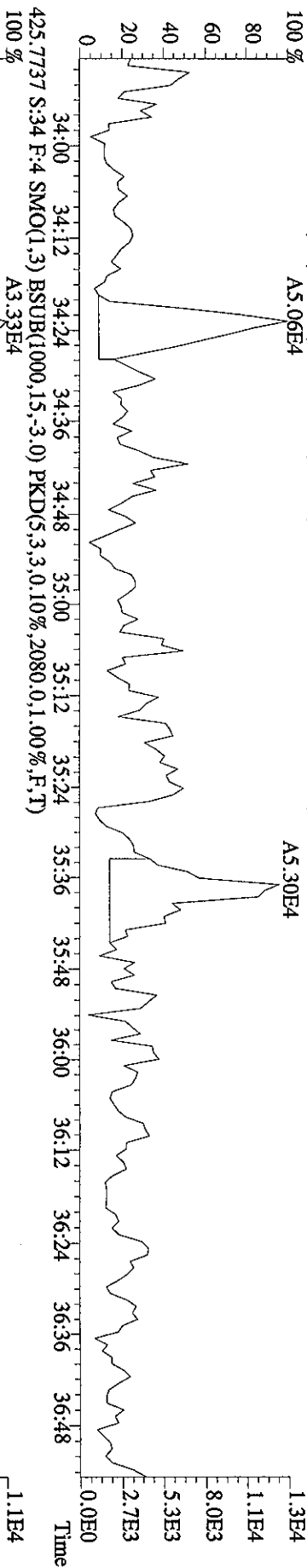
3.1E6

1.5E6

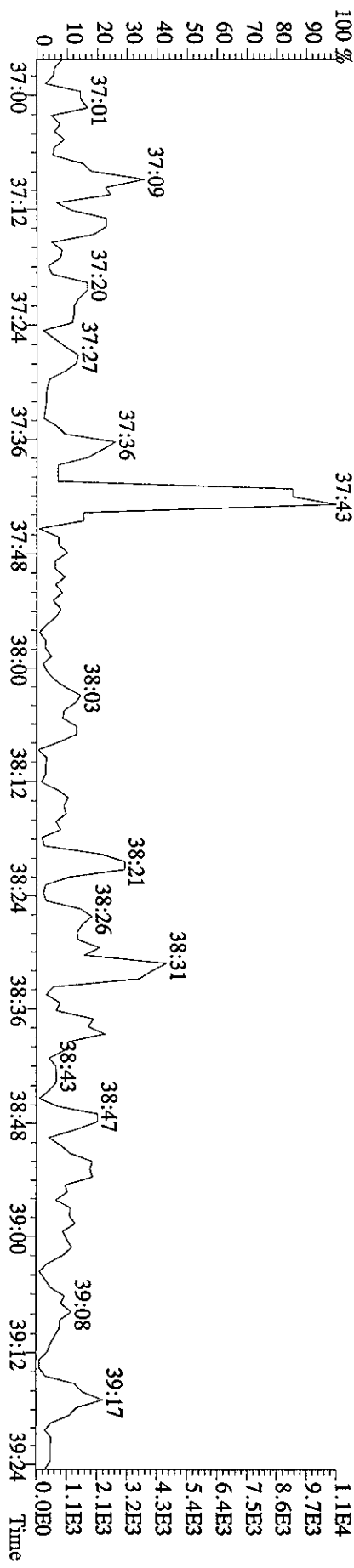
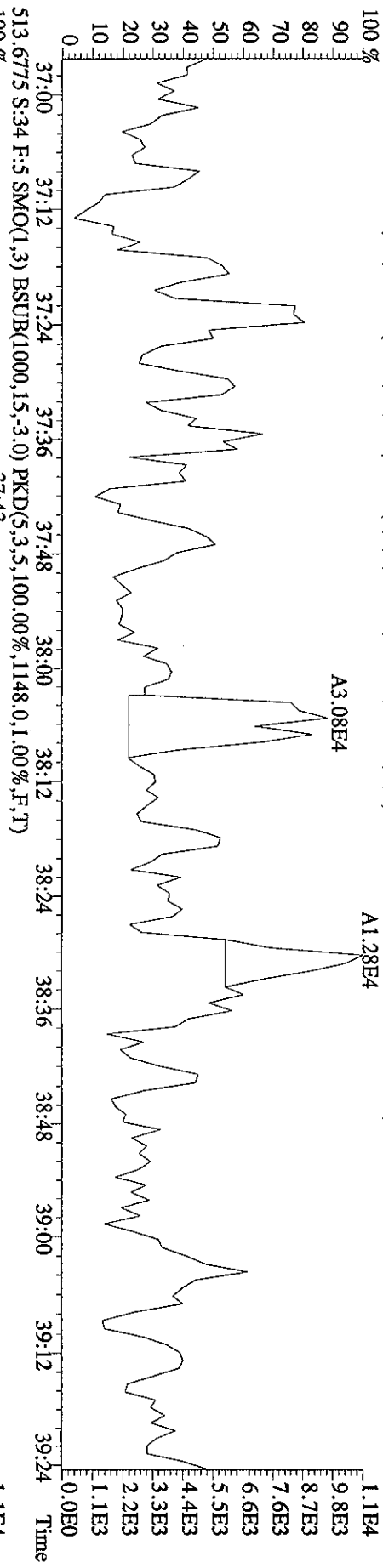
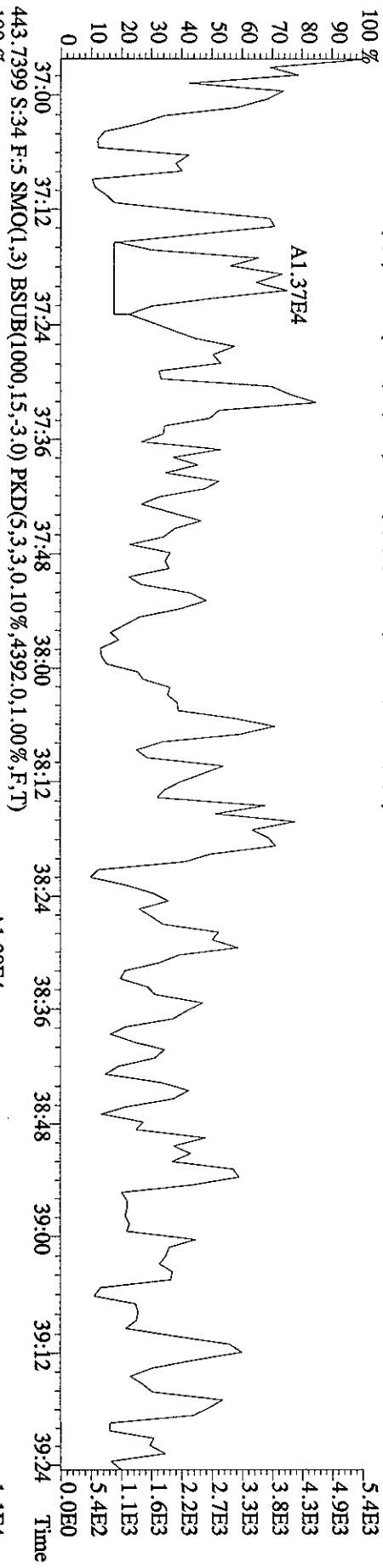
0.0E0

File:20MR061D5 #1-219 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 407.7818 S:34 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2596,0.1,00%,F,T)
 100%

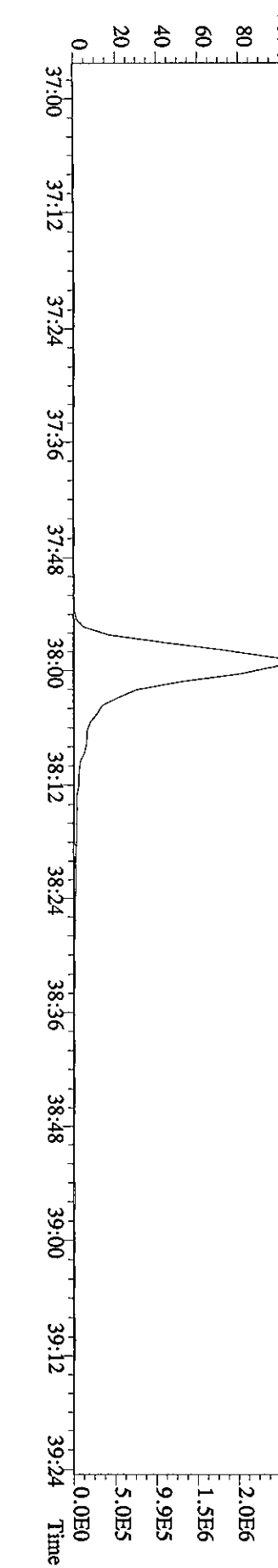
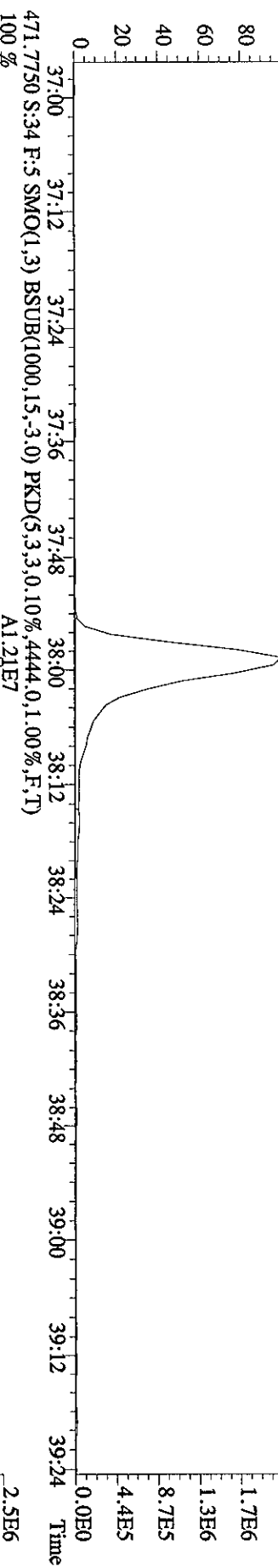
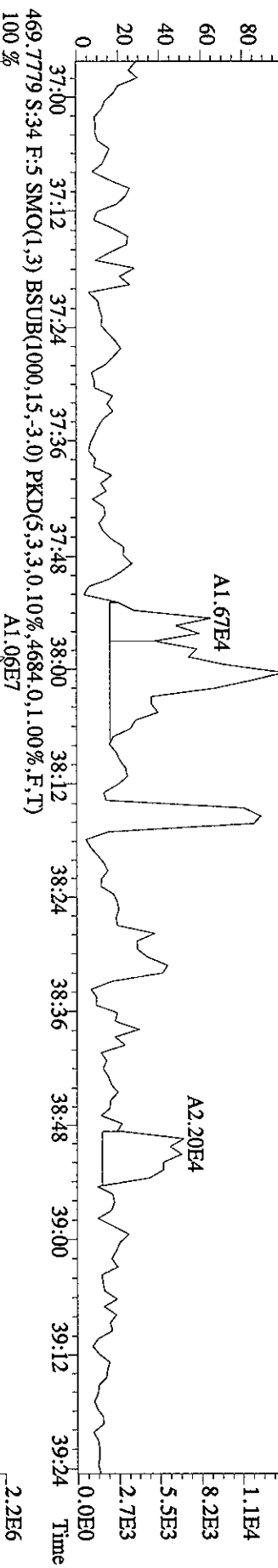
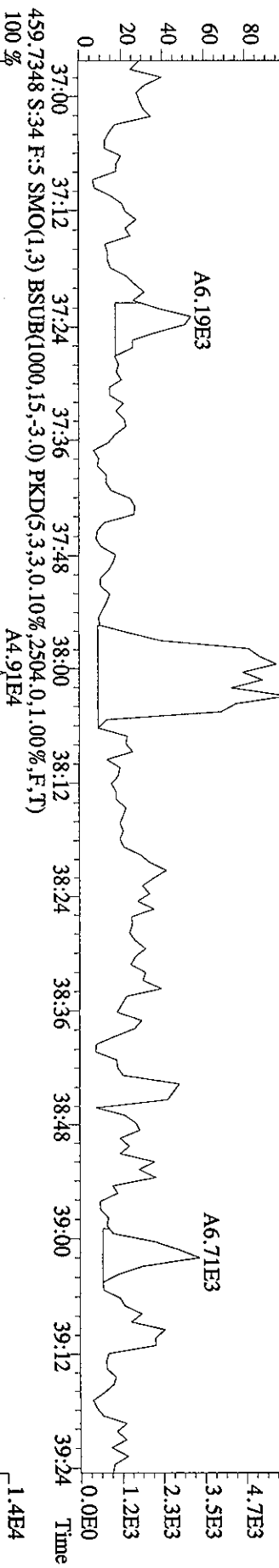


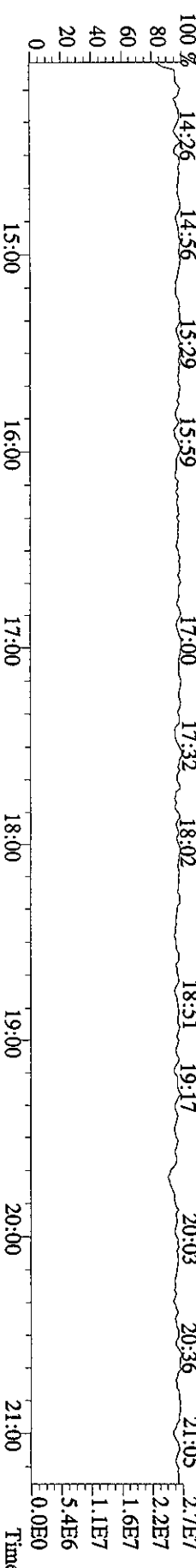
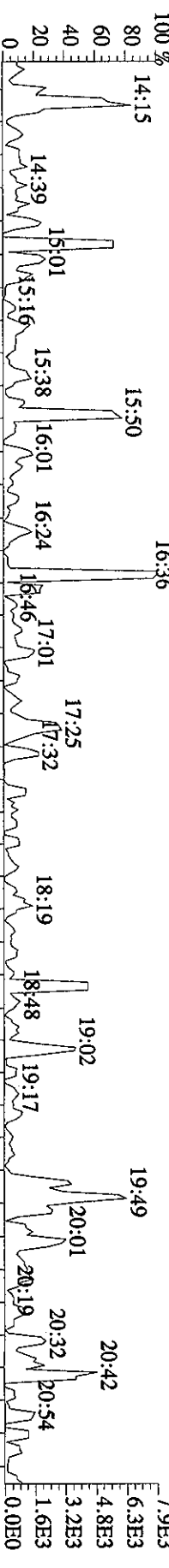
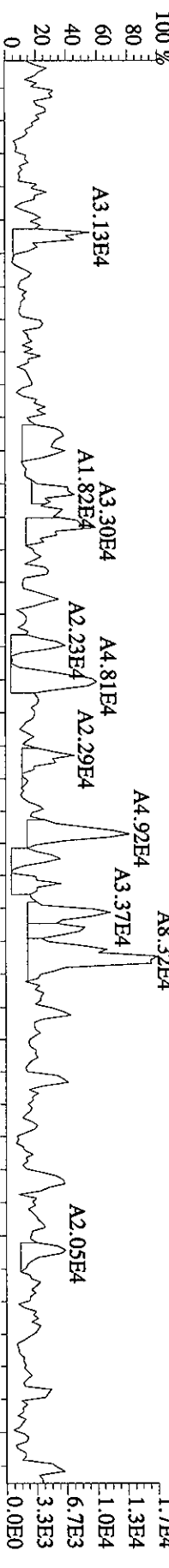
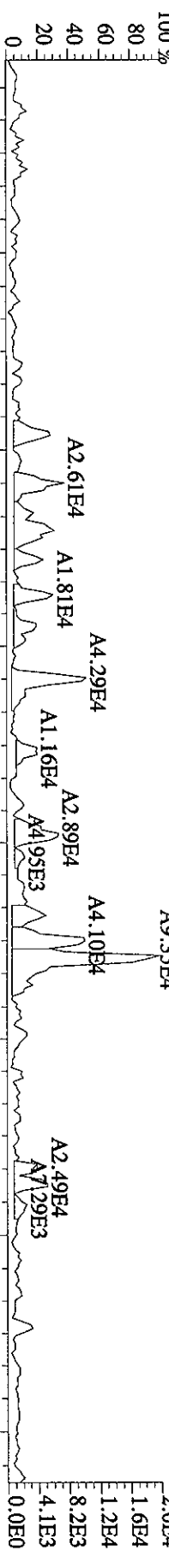
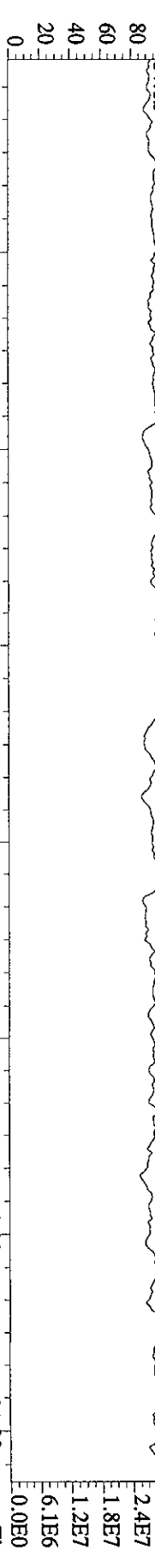


File:20MR061D5 #1-179 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 441.7428 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2500,0,1,00%,F,T)



File:20MR061D5 #1-179 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 457.7377 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1376,0,1,00%,F,T)
 100% A3.42E4





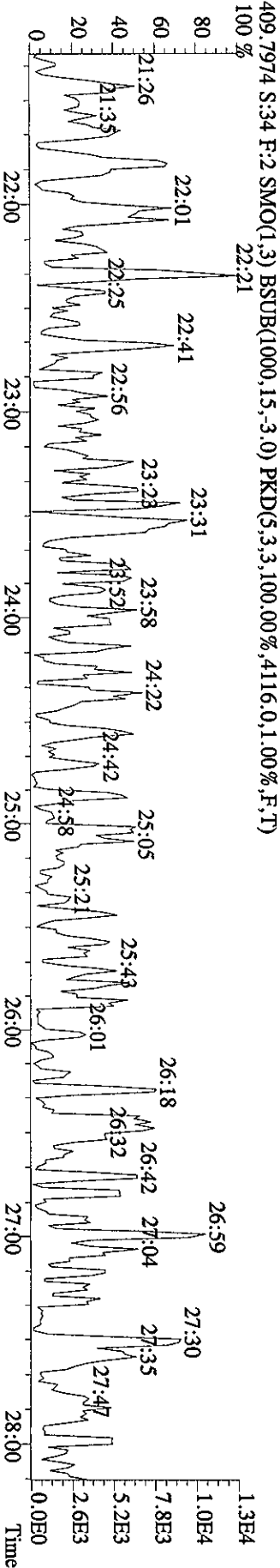
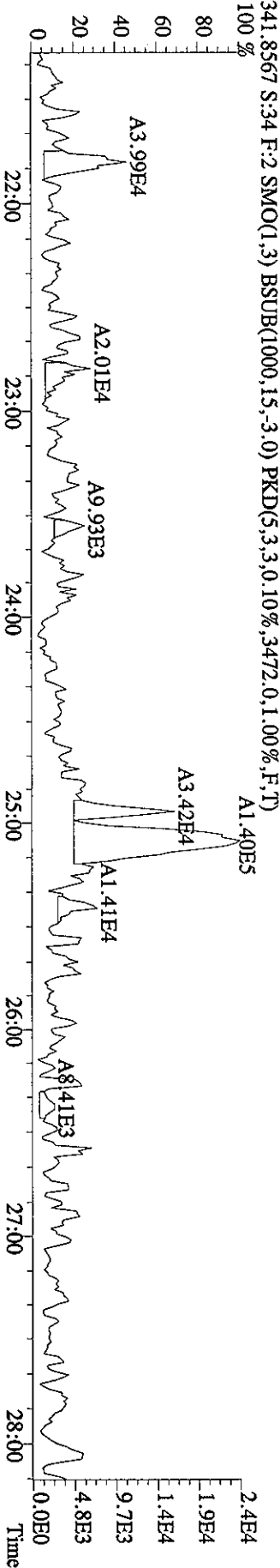
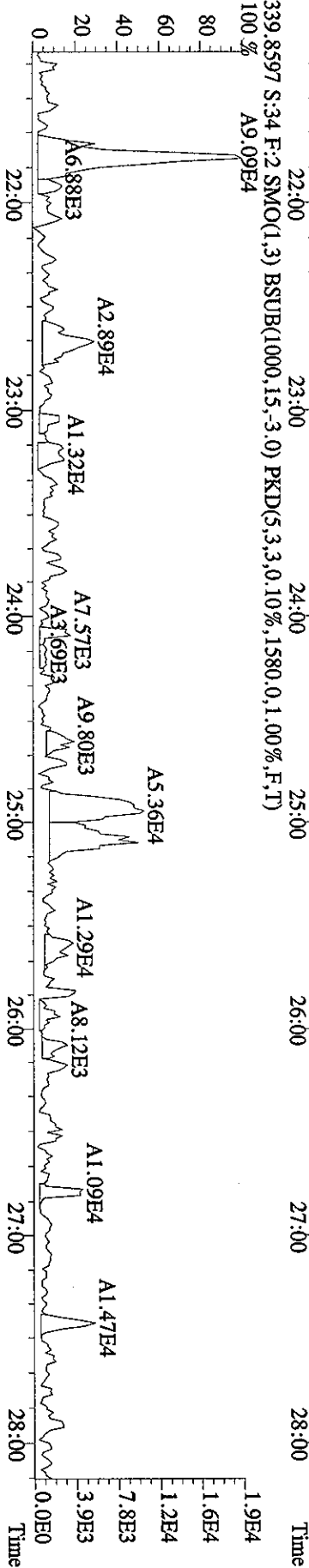
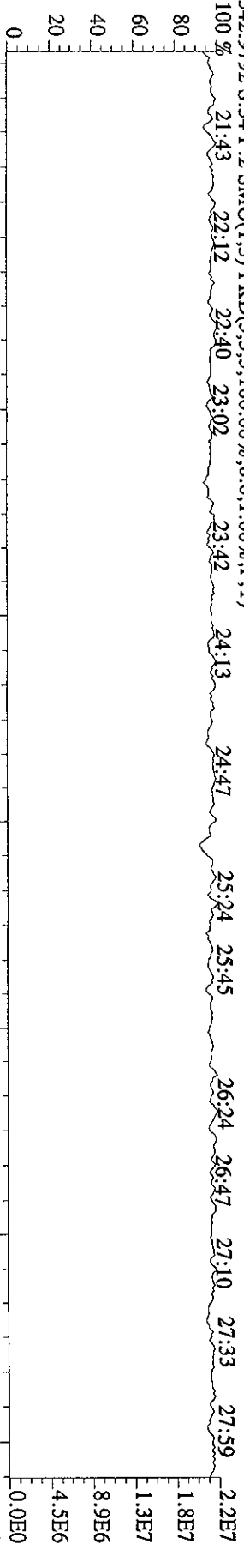
File:20MR061D5 #1-486 Acq:21-MAR-2006 09:27:37 GC EI + Voltage SIR 70SE

Sample#34 Text:H04HR-1-AC :G6C100424-3

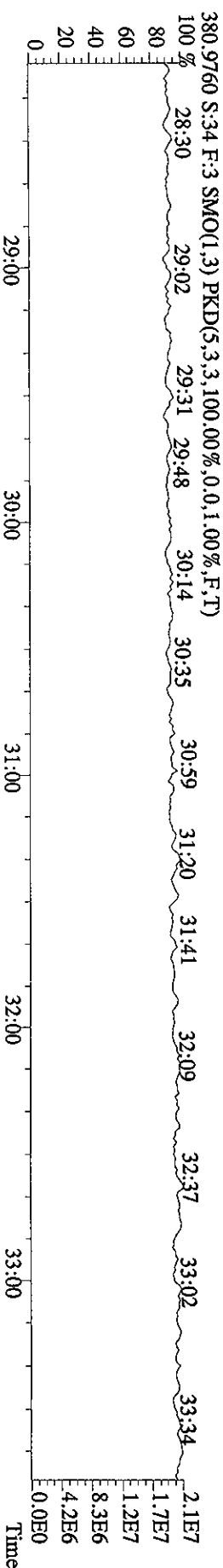
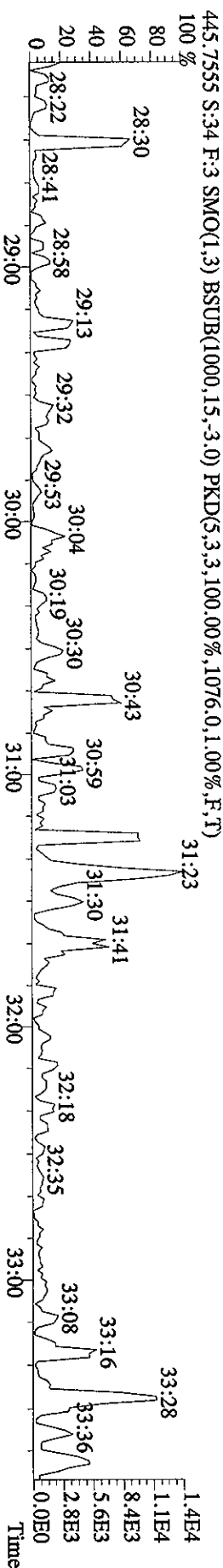
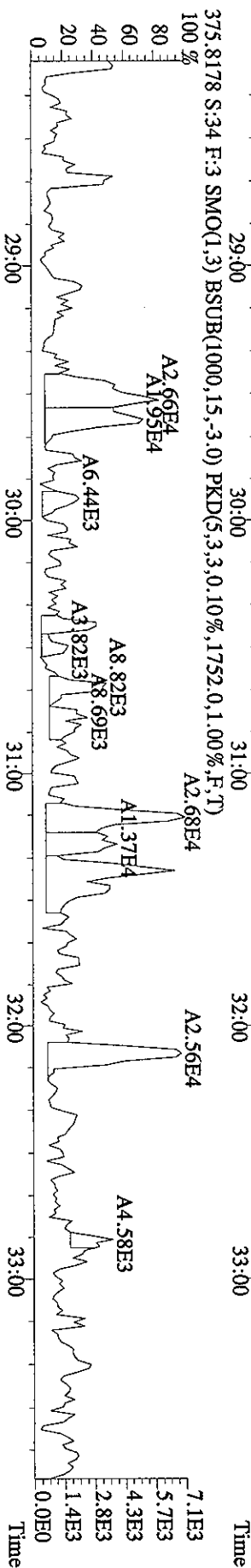
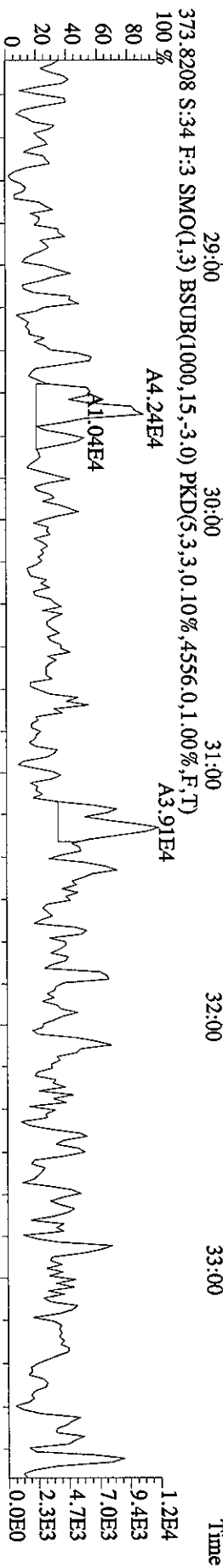
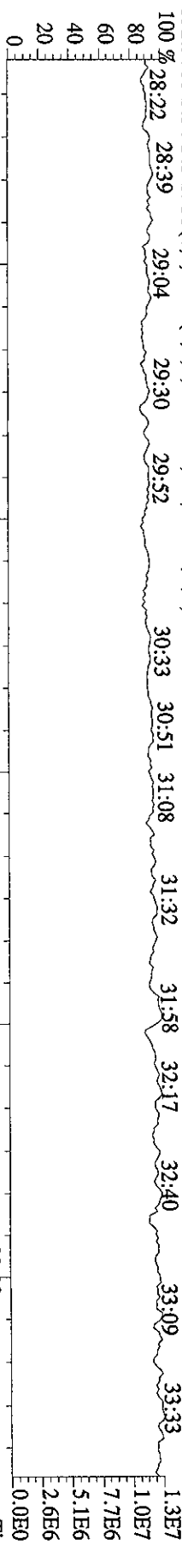
Exp:DIOXIN

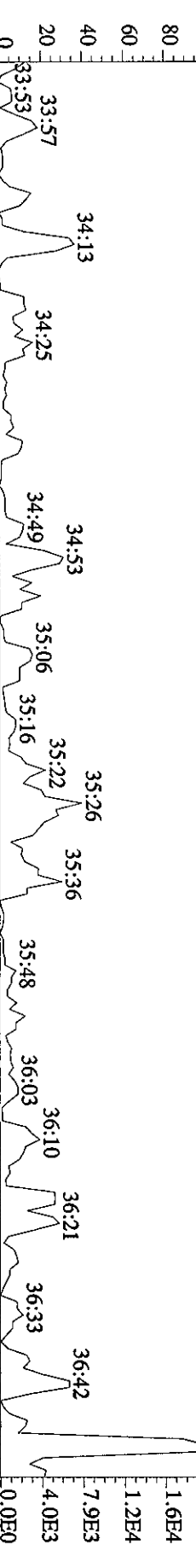
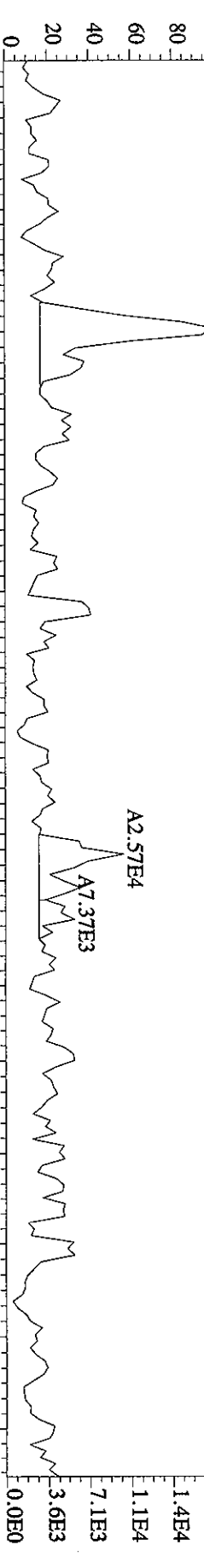
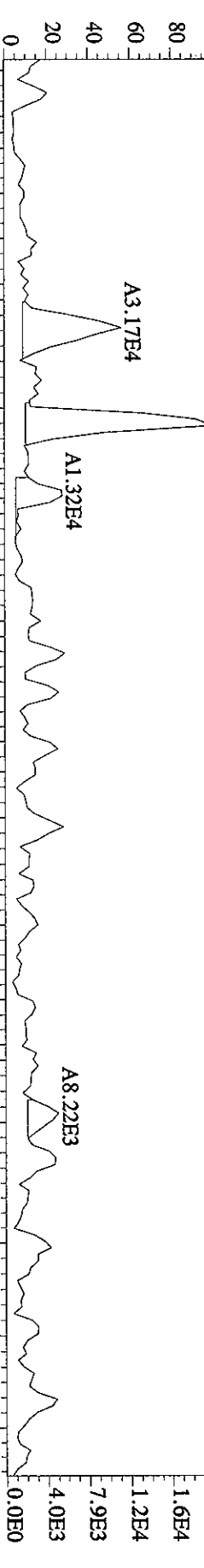
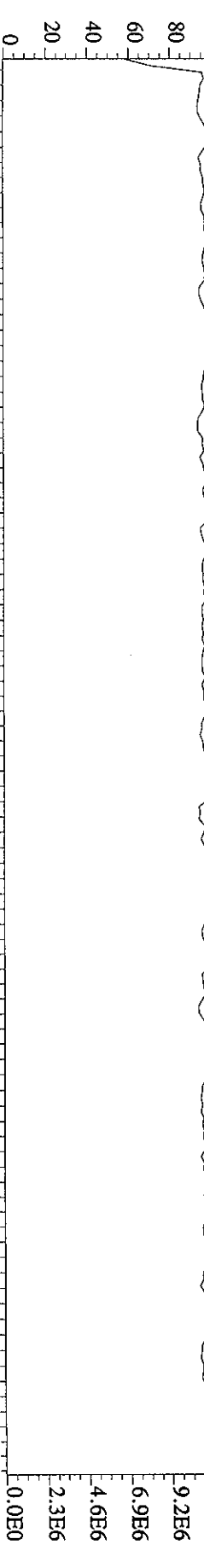
342.9792 S:34 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 21:43 22:12 22:40 23:02 23:42 24:13 24:47 25:24 25:45 26:24 26:47 27:10 27:33 27:59

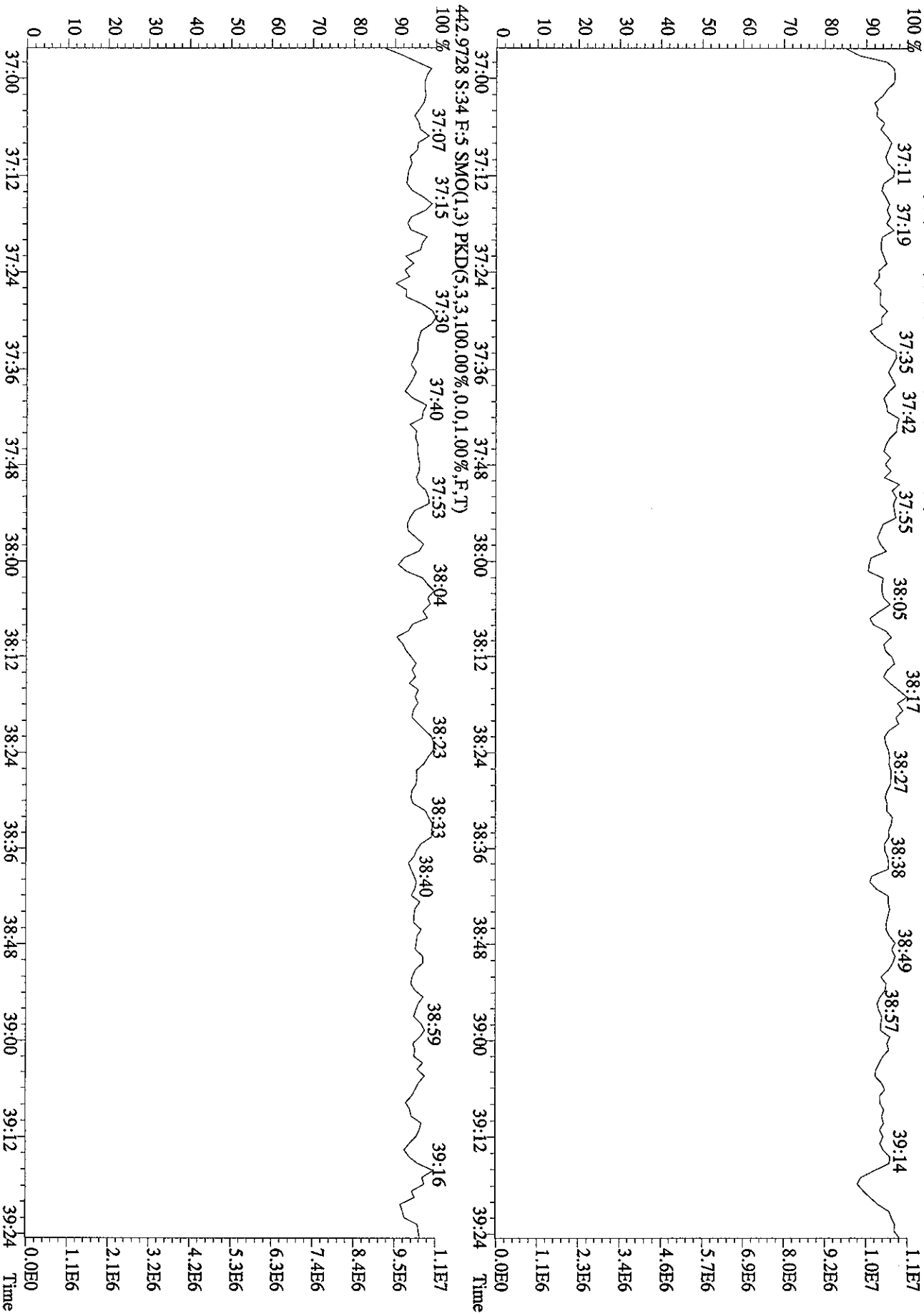


File:20MR061D5 #1-376 Acq:21-MAR-2006 09:27:37 GC EI + Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN





File:20MR061D5 #1-179 Acq:21-MAR-2006 09:27:37 GC EI+ Voltage SIR 70SE
 Sample#34 Text:H04HR-1-AC :G6C100424-3 Exp:DIOXIN
 454.9728 S:34 F:5 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)



Method ID 8290
 Column ID DB5
 STD ID ST0320A, ST0320C
 Analyzed by M.G.
 Std. Pkg. By M.G.
 Std. Pkg. Reviewed By JRB

Associated ICAL 8290031706105
 Instrument ID 105
 STD Solution 2565-41C
 Date Analyzed 3/20/06, 3/21/06
 Date Std. Pkg. Assembled 3/22/06
 Date Std. Pkg. Reviewed 3/22/06

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 and Ending Static Resolutions present?	✓	✓

COMMENTS: _____

* Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
 Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
 Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
 Method 23: See Method 23 Daily Standard Criteria, Table 5.
 Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
 PAH: +/- 30% from curve RRFs for native and labeled compounds.
 PCB: +/- 30% or 40% (analyte dependent) from curve RRFs for native, +/- 50% from curve RRFs for labeled compounds.
 NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
 DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
 551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
 GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
 QA-231 TSJ 04/02

Run text: ST0320A File text: ST0320A :CS3 2565-41C
 Run #21 Filename 20MR061D5 S: 20 I: 1
 Acquired: 20-MAR-06 23:44:32 Processed: 21-MAR-06 08:02:20
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	78094400	0.83 y	18:31	-	100.00	-	n
13C-2,3,7,8-TCDF	137039600	0.81 y	17:59	1.75	100.00	3.2	n
2,3,7,8-TCDF	13443900	0.83 y	18:00	0.98	10.00	-11.1	n
Total TCDF	13732650	0.78 y	17:35	0.98	10.00	-11.1	n
13C-2,3,7,8-TCDD	64829900	0.84 y	18:43	0.83	100.00	-4.4	n
2,3,7,8-TCDD	8395360	0.79 y	18:44	1.29	10.00	-8.7	n
Total TCDD	8510650	2.54 n	17:59	1.29	10.00	-8.7	n
37Cl-2,3,7,8-TCDD	17122780	1.00 y	18:44	2.19	10.00	-8.9	n
13C-1,2,3,7,8-PeCDF	106425600	1.66 y	23:16	1.36	100.00	-4.0	n
1,2,3,7,8-PeCDF	52017900	1.64 y	23:18	0.98	50.00	-6.3	n
2,3,4,7,8-PeCDF	52378700	1.61 y	24:41	0.98	50.00	-8.4	n
Total F2 PeCDF	105539707	2.44 n	21:53	0.98	100.00	-7.4	n
Total F1 PeCDF	125778	0.14 n	15:57	0.98	100.00	-7.4	n
13C-1,2,3,7,8-PeCDD	56937800	1.66 y	25:26	0.73	100.00	-12.6	n
1,2,3,7,8-PeCDD	29844400	1.67 y	25:27	1.05	50.00	-0.5	n
Total PeCDD	30156771	3.60 n	23:18	1.05	50.00	-0.5	n
13C-1,2,3,7,8,9-HxCDD	52035800	1.24 y	32:42	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	80672700	0.54 y	31:15	1.55	100.00	16.1	n
1,2,3,4,7,8-HxCDF	43116500	1.27 y	31:16	1.07	50.00	-6.0	n
1,2,3,6,7,8-HxCDF	47535400	1.24 y	31:26	1.18	50.00	-4.5	n
2,3,4,6,7,8-HxCDF	40200300	1.26 y	32:08	1.00	50.00	-11.8	n
1,2,3,7,8,9-HxCDF	37267500	1.26 y	32:54	0.92	50.00	-15.7	n
Total HxCDF	168348146	1.27 y	31:16	1.04	200.00	-9.3	n
13C-1,2,3,6,7,8-HxCDD	49344600	1.25 y	32:23	0.95	100.00	-2.5	n
1,2,3,4,7,8-HxCDD	25082600	1.29 y	32:19	1.02	50.00	4.3	n
1,2,3,6,7,8-HxCDD	26937000	1.32 y	32:24	1.09	50.00	2.2	n
1,2,3,7,8,9-HxCDD	27815500	1.26 y	32:43	1.13	50.00	2.7	n
Total HxCDD	79949974	4.20 n	31:15	1.08	150.00	3.0	n
13C-1,2,3,4,6,7,8-HpCDF	52231200	0.44 y	34:25	1.00	100.00	-5.4	n
1,2,3,4,6,7,8-HpCDF	34719100	1.06 y	34:25	1.33	50.00	-2.8	n
1,2,3,4,7,8,9-HpCDF	29411200	1.07 y	35:40	1.13	50.00	-8.5	n
Total HpCDF	64329749	1.06 y	34:25	1.23	100.00	-5.5	n
13C-1,2,3,4,6,7,8-HpCDD	41346300	1.07 y	35:19	0.79	100.00	-11.2	n
1,2,3,4,6,7,8-HpCDD	20209610	1.08 y	35:20	0.98	50.00	-7.7	n
Total HpCDD	20869980	1.84 n	34:25	0.98	50.00	-7.7	n
13C-OCDD	60945900	0.94 y	38:01	0.59	200.00	-23.1	n
OCDF	43797100	0.90 y	38:08	1.44	100.00	-1.2	n
OCDD	31874200	0.89 y	38:01	1.05	100.00	-4.9	n

Run text: ST0320C File text: ST0320C :CS3 2565-41C
 Run #37 Filename 20MR061D5 S: 40 I: 1
 Acquired: 21-MAR-06 13:37:32 Processed: 22-MAR-06 08:04:44
 Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5 Results: 20MR061D58290

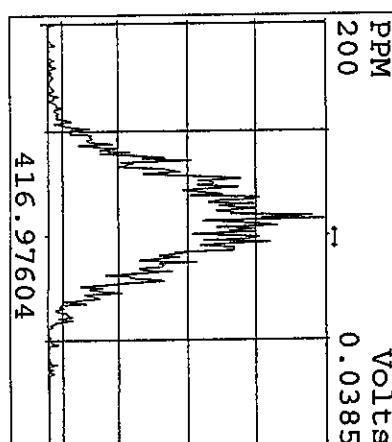
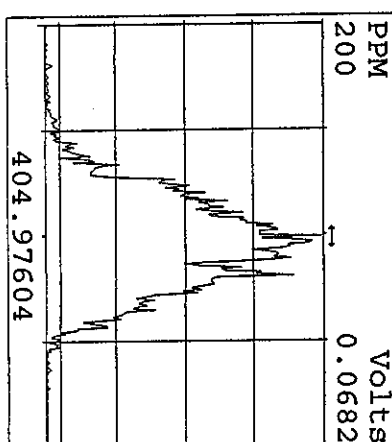
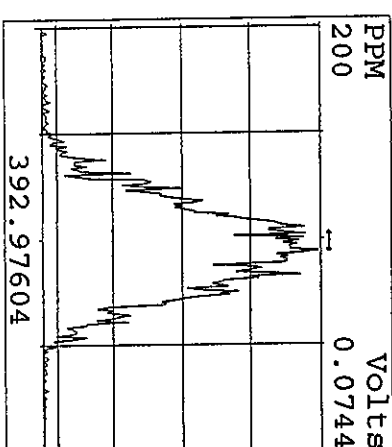
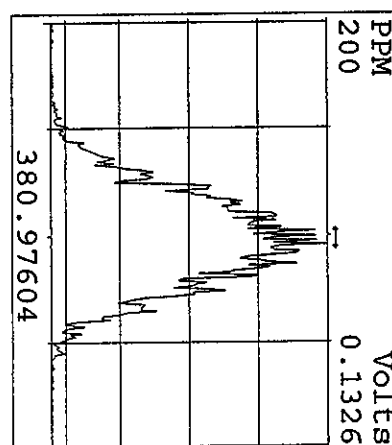
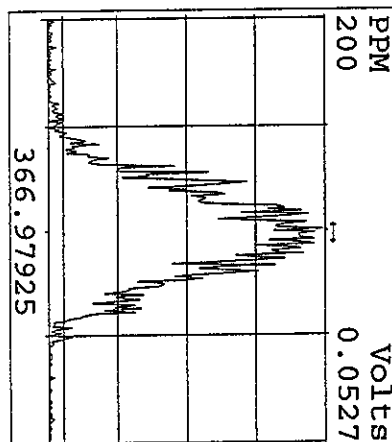
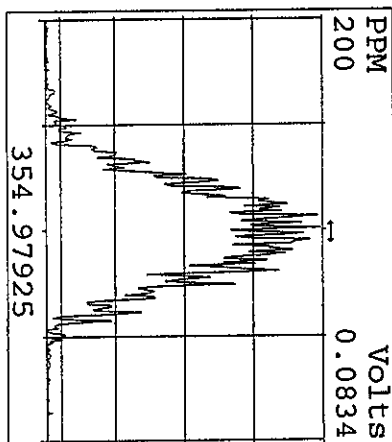
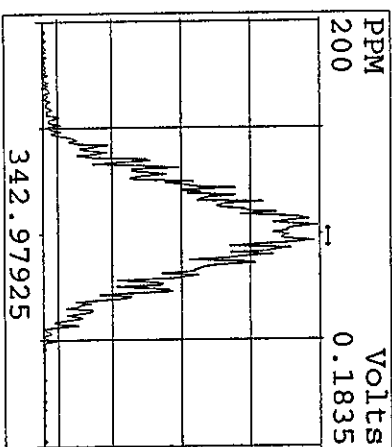
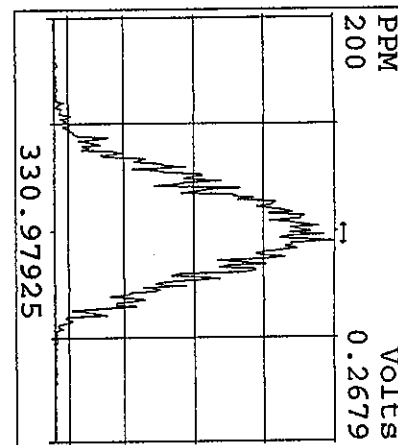
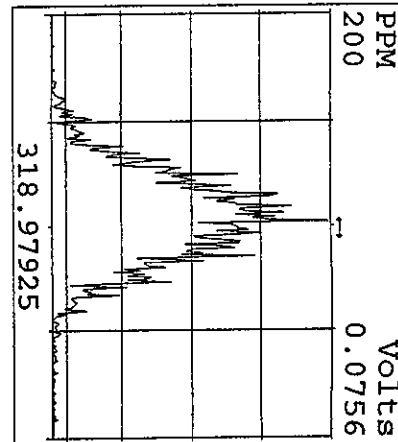
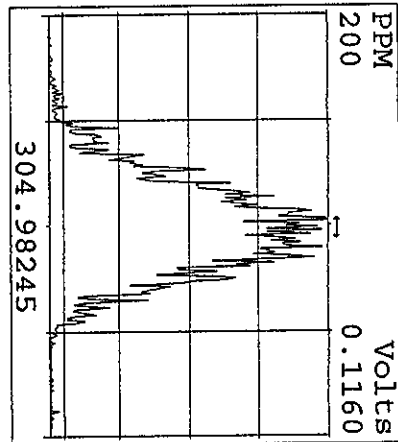
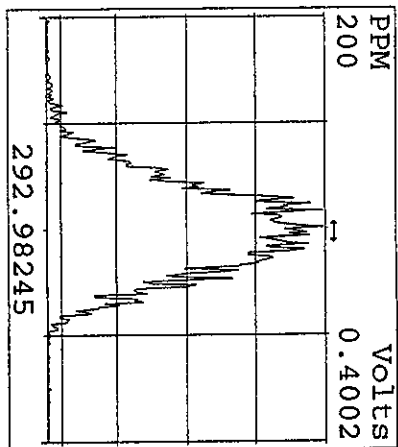
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	86531400	0.82 y	18:28	-	100.00	-	n
13C-2,3,7,8-TCDF	144511700	0.80 y	17:55	1.67	100.00	-1.8	n
2,3,7,8-TCDF	14348800	0.77 y	17:56	0.99	10.00	-10.0	n
Total TCDF	14865427	0.29 n	14:42	0.99	10.00	-10.0	n
13C-2,3,7,8-TCDD	73574900	0.79 y	18:40	0.85	100.00	-2.1	n
2,3,7,8-TCDD	8883680	0.77 y	18:42	1.21	10.00	-14.9	n
Total TCDD	9087594	0.48 n	15:56	1.21	10.00	-14.9	n
37Cl-2,3,7,8-TCDD	19341700	1.00 y	18:41	2.24	10.00	-7.2	n
13C-1,2,3,7,8-PeCDF	115988600	1.59 y	23:13	1.34	100.00	-5.6	n
1,2,3,7,8-PeCDF	55924400	1.59 y	23:15	0.96	50.00	-7.6	n
2,3,4,7,8-PeCDF	56093100	1.59 y	24:37	0.97	50.00	-10.0	n
Total F2 PeCDF	114146805	1.09 n	21:48	0.97	100.00	-8.8	n
Total F1 PeCDF	118451	0.11 n	15:55	0.97	100.00	-8.8	n
13C-1,2,3,7,8-PeCDD	64849100	1.57 y	25:22	0.75	100.00	-10.2	n
1,2,3,7,8-PeCDD	32923900	1.61 y	25:23	1.02	50.00	-3.7	n
Total PeCDD	33322391	2.07 n	23:12	1.02	50.00	-3.7	n
13C-1,2,3,7,8,9-HxCDD	55635700	1.36 y	32:40	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	87061500	0.53 y	31:13	1.56	100.00	17.2	n
1,2,3,4,7,8-HxCDF	46132700	1.30 y	31:13	1.06	50.00	-6.8	n
1,2,3,6,7,8-HxCDF	49959800	1.25 y	31:23	1.15	50.00	-7.0	n
2,3,4,6,7,8-HxCDF	44201900	1.26 y	32:06	1.02	50.00	-10.2	n
1,2,3,7,8,9-HxCDF	38592400	1.26 y	32:53	0.89	50.00	-19.1	n
Total HxCDF	178886800	1.30 y	31:13	1.03	200.00	-10.6	n
13C-1,2,3,6,7,8-HxCDD	55008500	1.31 y	32:21	0.99	100.00	1.6	n
1,2,3,4,7,8-HxCDD	27567300	1.28 y	32:16	1.00	50.00	2.8	n
1,2,3,6,7,8-HxCDD	29441300	1.31 y	32:22	1.07	50.00	0.2	n
1,2,3,7,8,9-HxCDD	30254600	1.31 y	32:41	1.10	50.00	0.2	n
Total HxCDD	87263200	1.28 y	32:16	1.06	150.00	1.0	n
13C-1,2,3,4,6,7,8-HpCDF	59827800	0.45 y	34:23	1.08	100.00	1.4	n
1,2,3,4,6,7,8-HpCDF	39170700	1.04 y	34:24	1.31	50.00	-4.3	n
1,2,3,4,7,8,9-HpCDF	32599400	1.05 y	35:38	1.09	50.00	-11.5	n
Total HpCDF	71958834	1.04 y	34:24	1.20	100.00	-7.7	n
13C-1,2,3,4,6,7,8-HpCDD	44780300	1.07 y	35:17	0.80	100.00	-10.1	n
1,2,3,4,6,7,8-HpCDD	22529500	1.03 y	35:17	1.01	50.00	-5.0	n
Total HpCDD	23024348	2.96 n	34:23	1.01	50.00	-5.0	n
13C-OCDD	65433000	0.91 y	37:59	0.59	200.00	-22.7	n
OCDF	45577900	0.90 y	38:06	1.39	100.00	-4.3	n
OCDD	33737600	0.90 y	38:00	1.03	100.00	-6.2	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
20MR061D5	1	ST0320	CS3 2565-41C				1.000	
20MR061D5	2	CP0320	DB-5 CPSM 2565-47				1.000	
20MR061D5	3	SB0320	Solvent Blank C-14				1.000	
20MR061D5	4	Blood MDL	MB	20	8290/1613B	QC41	5.000	g
20MR061D5	5	Blood MDL	LCS1	20	8290/1613B		5.000	g
20MR061D5	6	Blood MDL	LCS2	20	8290/1613B		5.000	g
20MR061D5	7	Blood MDL	LCS3	20	8290/1613B		5.000	g
20MR061D5	8	Blood MDL	LCS4	20	8290/1613B		5.000	g
20MR061D5	9	Blood MDL	LCS5	20	8290/1613B		5.000	g
20MR061D5	10	Blood MDL	LCS6	20	8290/1613B		5.000	g
20MR061D5	11	Blood MDL	LCS7	20	8290/1613B		5.000	g
20MR061D5	12	Blood MDL	LCS8	20	8290/1613B		5.000	g
20MR061D5	13	Blood MDL	LCS9	20	8290/1613B		5.000	g
20MR061D5	14	Blood MDL	LCS10	20	8290/1613B		5.000	g
20MR061D5	15	Blood MDL	LCS11	20	8290/1613B		5.000	g
20MR061D5	16	H07J9-1-AC	G6C140000-211C	20	8290/WATER	50	1.000	L
20MR061D5	17	H07J9-1-AA	G6C140000-211B	20	8290/WATER		1.000	L
20MR061D5	18	SB0320A	Solvent Blank C-14				1.000	
20MR061D5	19	CP0320A	DB-5 CPSM 2565-47				1.000	
20MR061D5	20	ST0320A	CS3 2565-41C				1.000	
20MR061D5	21	SB0320B	Solvent Blank C-14				1.000	
20MR061D5	22	H0TML-1-AA	G6C080141-1	20	8290/WATER	50	0.986	L
20MR061D5	23	H0TMN-1-AA	G6C080141-2	20	8290/WATER		1.003	L
20MR061D5	24	H0TMP-1-AA	G6C080141-3	20	8290/WATER		1.017	L
20MR061D5	25	H0TMV-1-AA	G6C080141-4	20	8290/WATER		0.987	L
20MR061D5	26	H0TMO-1-AA	G6C080141-5	20	8290/WATER		0.994	L
20MR061D5	27	H0JCL-1-AC	G6C020379-1	20	8290/WATER		0.877	L
20MR061D5	28	H09V0-1-AC	G6C150000-263C	20	8290/SOLID	52	10.000	g
20MR061D5	29	H09V0-1-AA	G6C150000-263B	20	8290/SOLID		10.000	g
20MR061D5	30	H04HL-1-AC	G6C100424-1	20	8290/SOLID		10.000	g
20MR061D5	31	H04HL-1-AD	G6C100424-1S	20	8290/SOLID		10.000	g
20MR061D5	32	H04HL-1-AE	G6C100424-1D	20	8290/SOLID		10.000	g
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20MR061D5	34	H04HR-1-AC	G6C100424-3	20	8290/SOLID		10.000	g
20MR061D5	35	H056L-1-AX	G6C130135-1	20	8290/WATER	53	0.978	L
20MR061D5	36	H056V-1-AX	G6C130135-2	20	8290/WATER		0.985	L
20MR061D5	37	SB0320C	Solvent Blank C-14				1.000	
20MR061D5	38	CP0320B	DB-5 CPSM 2565-47				1.000	
20MR061D5	39	ST0320B	CS3 2565-41C				1.000	
20MR061D5	40	ST0320C	CS3 2565-41C				1.000	
20MR061D5	41	SB0320D	Solvent Blank C-14				1.000	
20MR061D5	42	H056X-1-AX	G6C130135-3	20	8290/WATER	53	0.890	L
20MR061D5	43	H056X-1-DM	G6C130135-3S	20	8290/WATER		0.989	L
20MR061D5	44	H056X-1-DN	G6C130135-3D	20	8290/WATER		0.856	L
20MR061D5	45	H0567-1-AX	G6C130135-6	20	8290/WATER		0.913	L
20MR061D5	46	H0568-1-AX	G6C130135-7	20	8290/WATER		0.938	L
20MR061D5	47	H1LRK-1-AC	G6B200225-1LCS	20	8290/SOLID	54	1.000	g
20MR061D5	48	H1LRK-1-AD	G6B200225-1DCS	20	8290/SOLID		1.000	g
20MR061D5	49	H1LRK-1-AA	G6B200225-1MB	20	8290/SOLID		1.000	g
20MR061D5	50	HXRLF-1-AA	G6B200225-1	20	8290/SOLID		1.000	g
20MR061D5	51	HXRLF-1-AC	G6B200225-1XA	20	8290/SOLID		1.000	g
20MR061D5	52	HXRLF-1-AD	G6B200225-1XB	20	8290/SOLID		1.000	g
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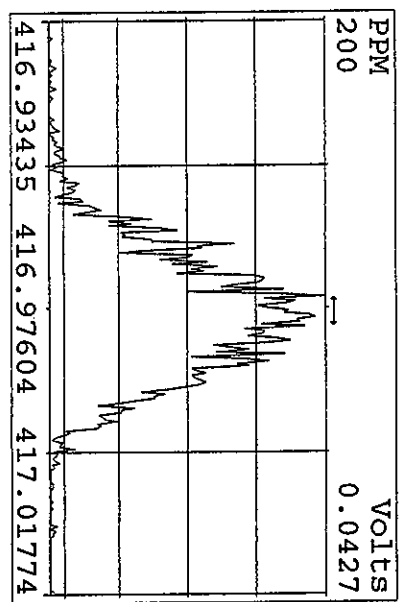
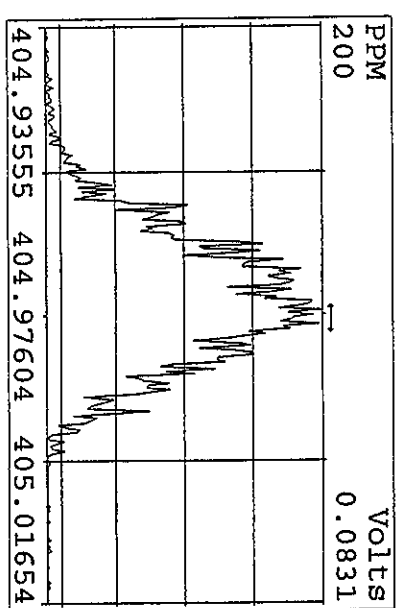
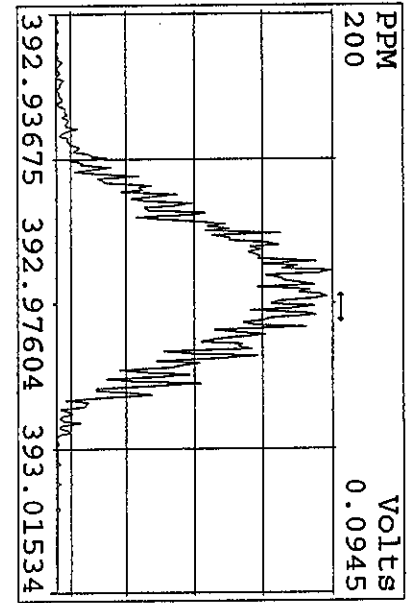
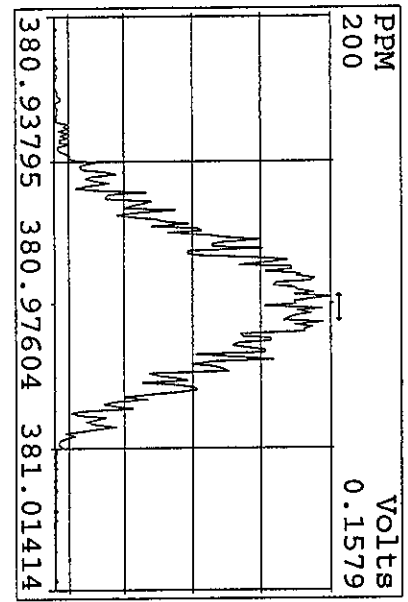
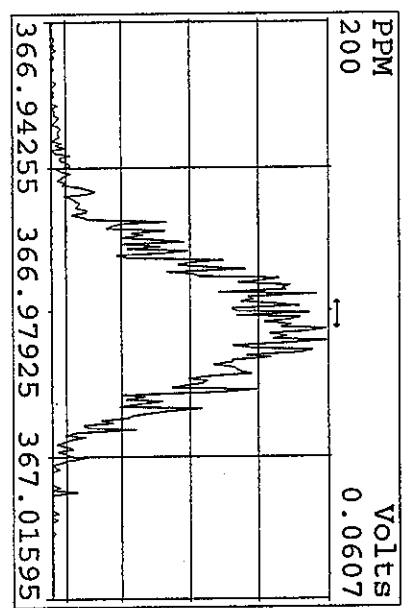
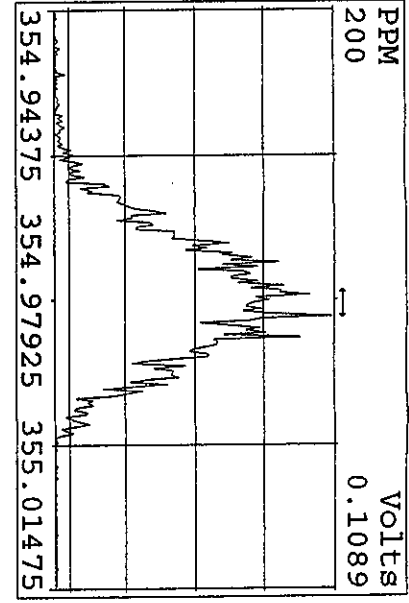
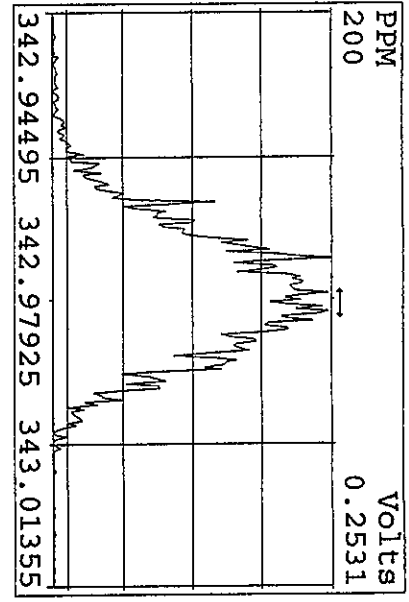
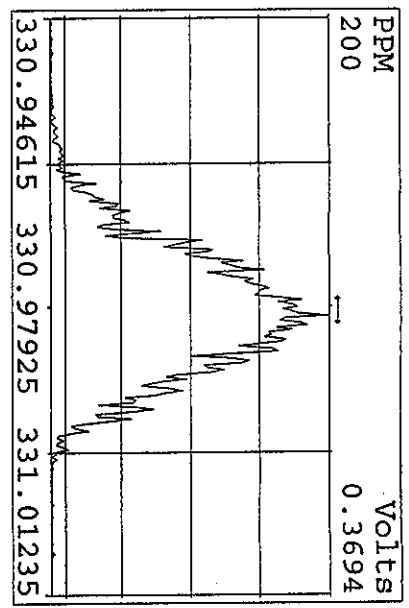
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20MR061D5	56	H0830-1-AC	G6C140347-2	20	TO-9/AIR		0.500	SAMP
20MR061D5	57	H0832-1-AC	G6C140347-4	20	TO-9/AIR		0.500	SAMP
20MR061D5	58	SB0320E	Solvent Blank C-14				1.000	
20MR061D5	59	CP0320C	DB-5 CPSM 2565-47				1.000	
20MR061D5	60	ST0320D	CS3 2565-41C				1.000	
20MR061D5	61	SB0320F	Solvent Blank C-14				1.000	
20MR061D5	62	H1GLV-1-AA	G6C150249-1MB	10	TO-9/AIR	54	0.667	SAMP
20MR061D5	63	H1GLV-1-AC	G6C150249-1LCS	10	TO-9/AIR		0.667	SAMP
20MR061D5	64	H1AGT-1-AA	G6C150249-1	10	TO-9/AIR		0.667	SAMP
20MR061D5	65	H1AG1-1-AA	G6C150249-2	10	TO-9/AIR		0.667	SAMP
20MR061D5	66	SB0320G	Solvent Blank C-14				1.000	
20MR061D5	67	ST0320E	CS3 2565-41C				1.000	
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MG 03/20/06 LOGfile checked w/ctt 3/22/06

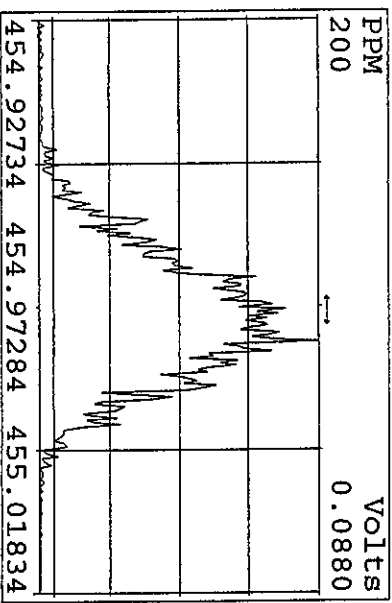
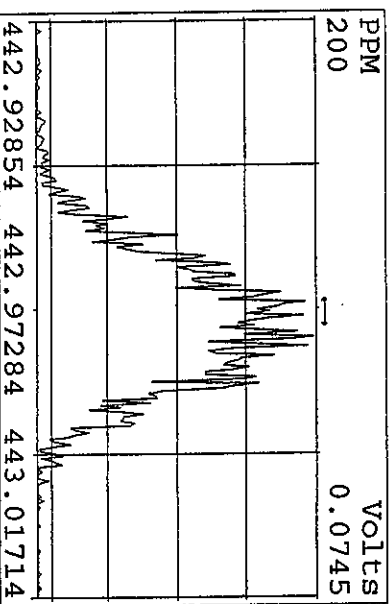
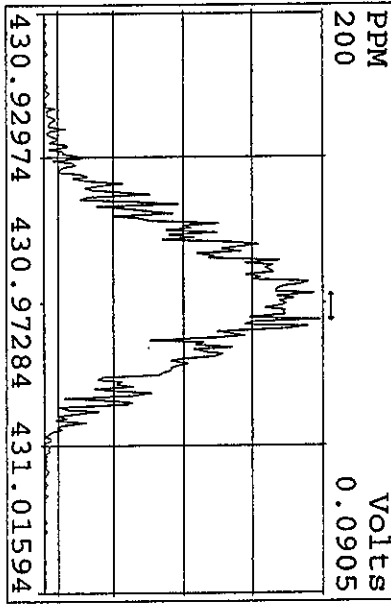
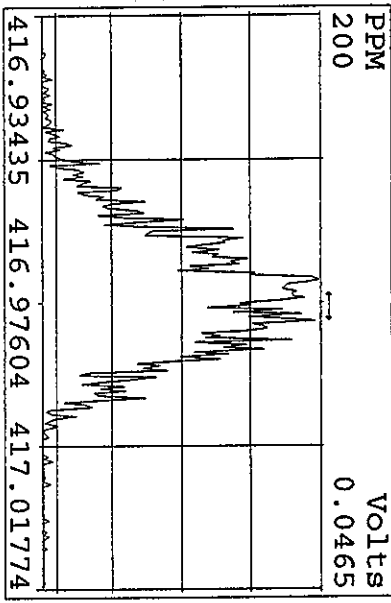
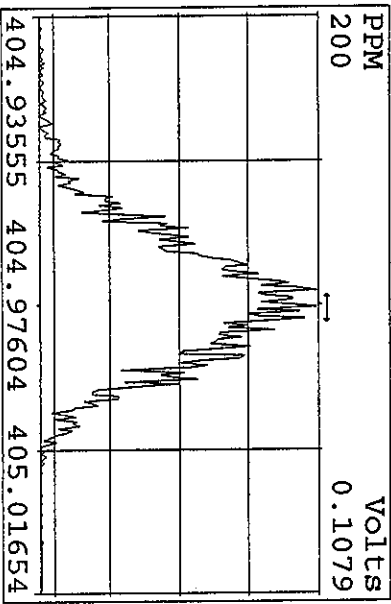
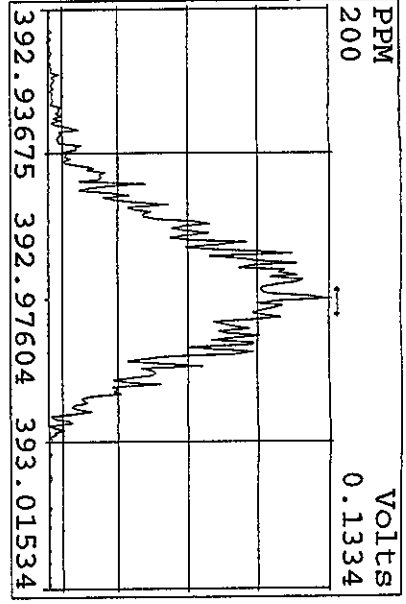
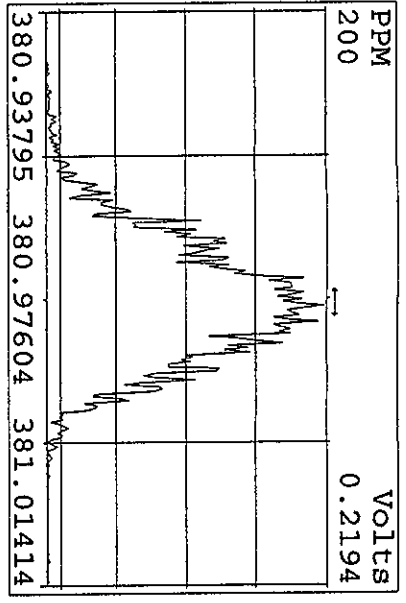
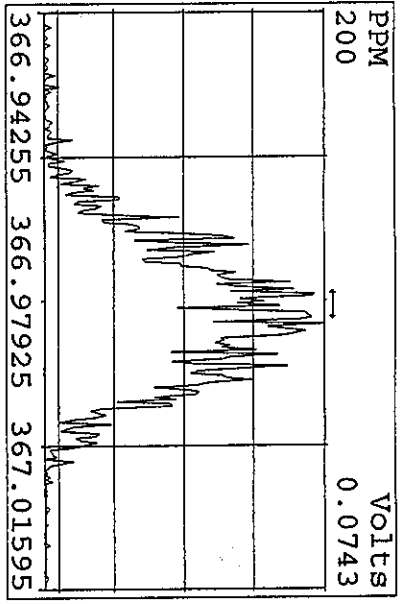
Peak Locate Examination: 20-MAR-2006: 10:30 File: 20MR061D5
Experiment: DIOXIN Function: 1 Reference: PFK



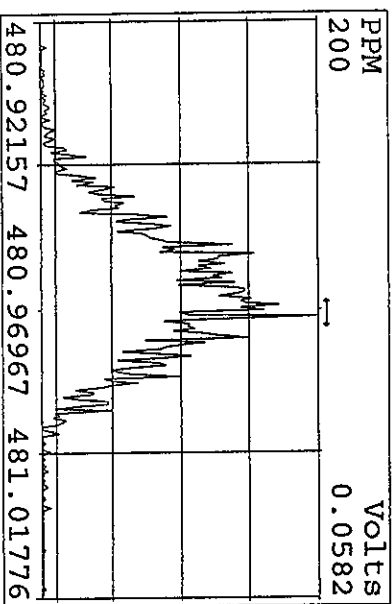
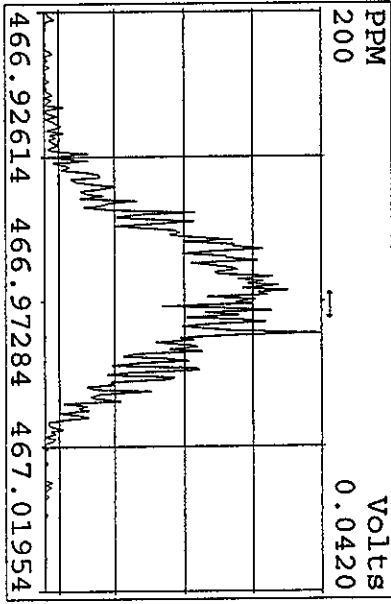
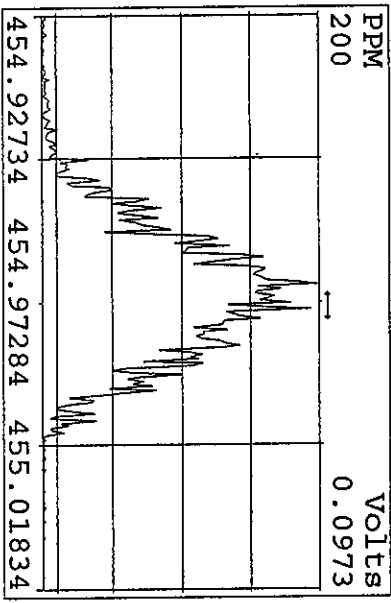
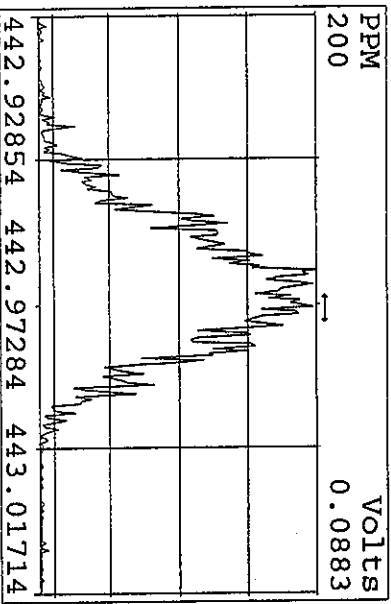
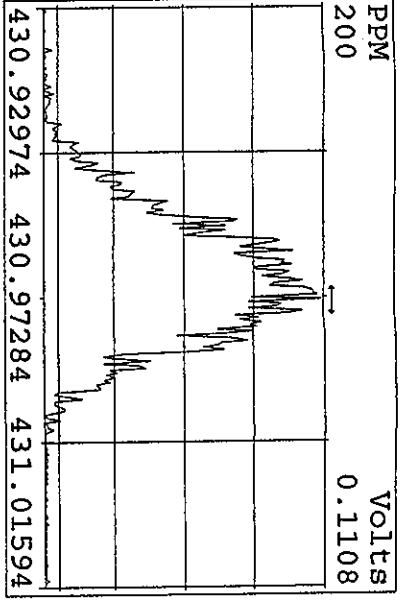
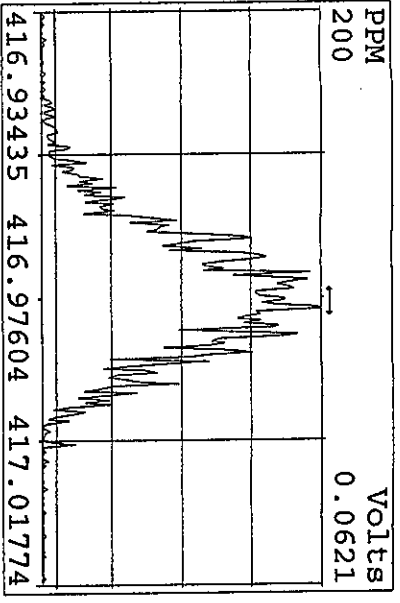
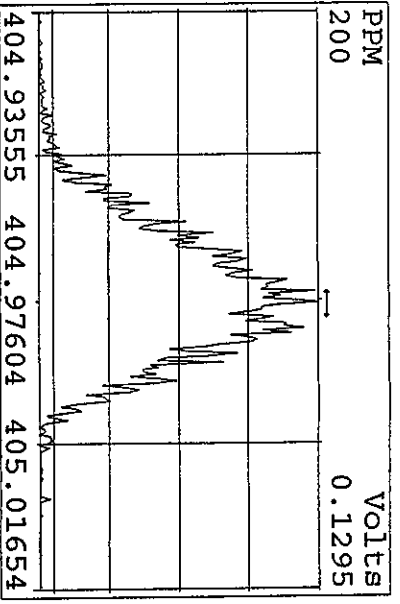
Peak Locate Examination: 20-MAR-2006:10:31 File: 20MR061DS
 Experiment: DIOXIN Function: 2 Reference: PFK



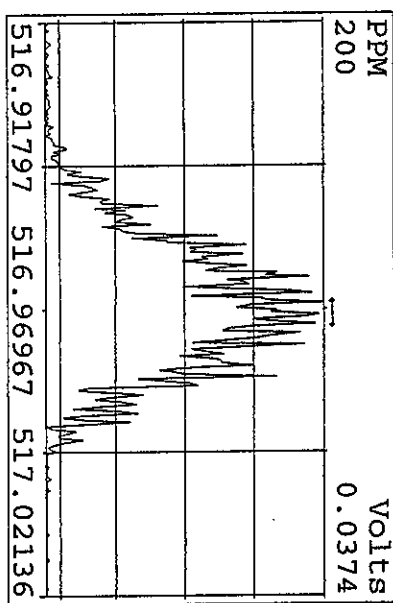
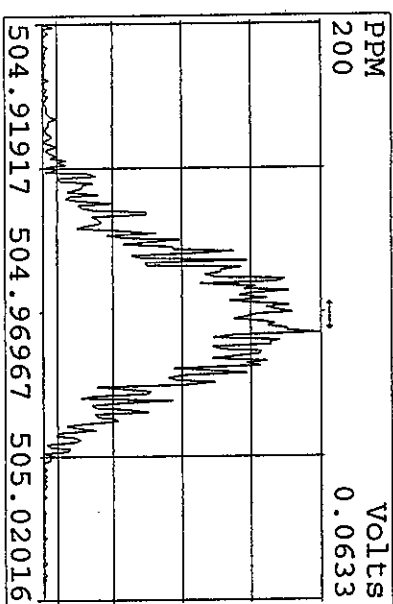
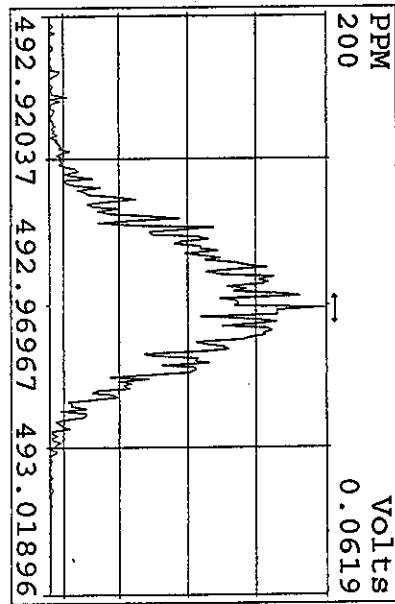
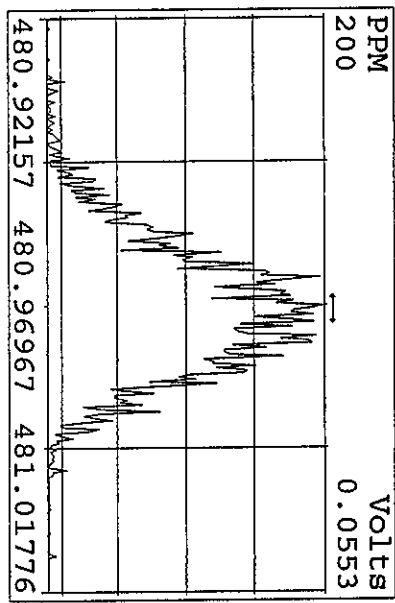
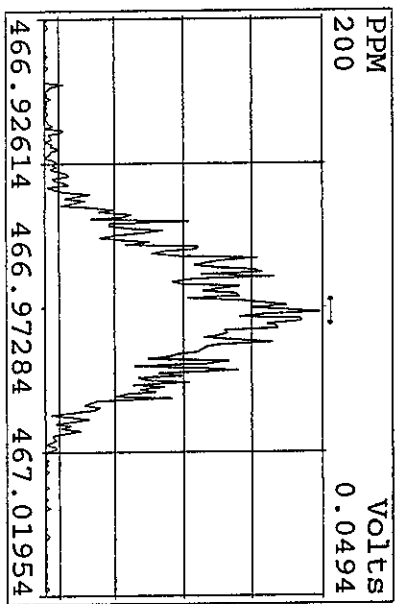
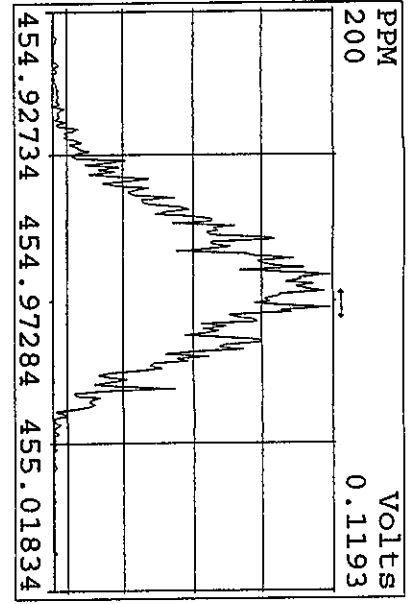
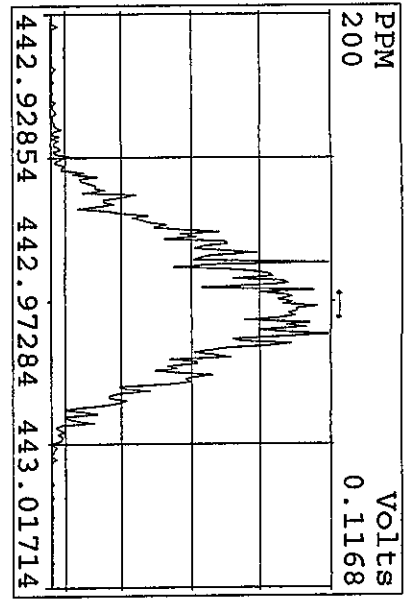
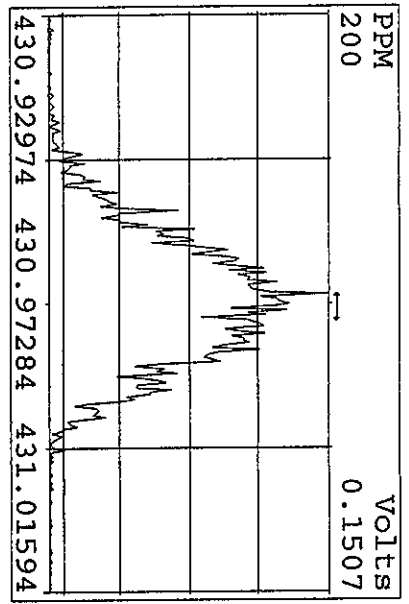
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 Experiment: DIOXIN Function: 3 Reference: PFK



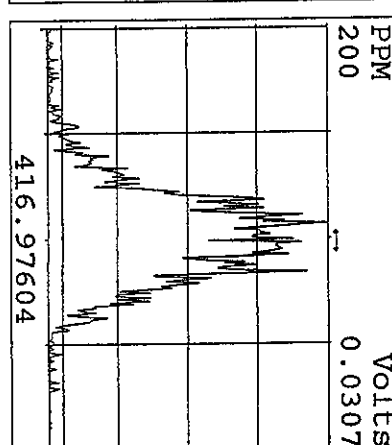
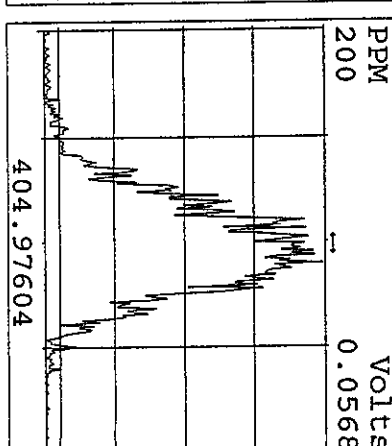
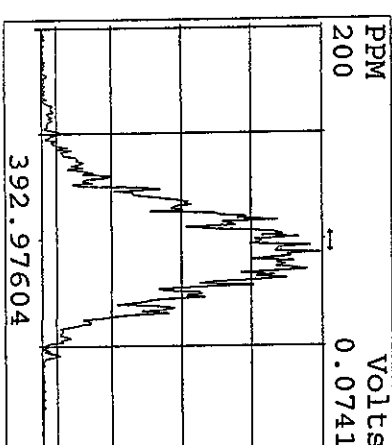
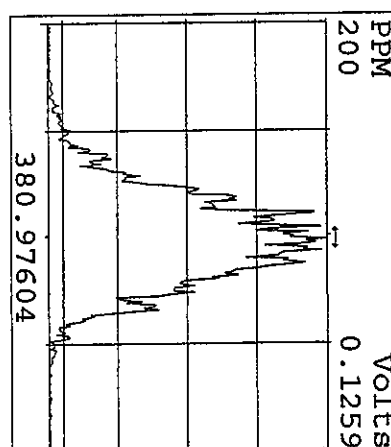
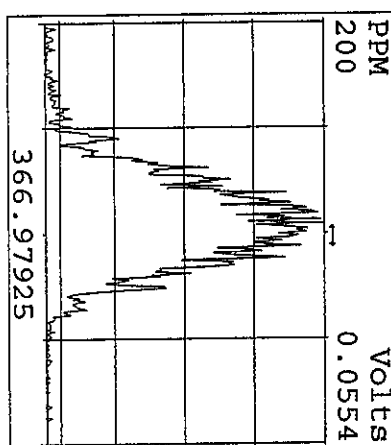
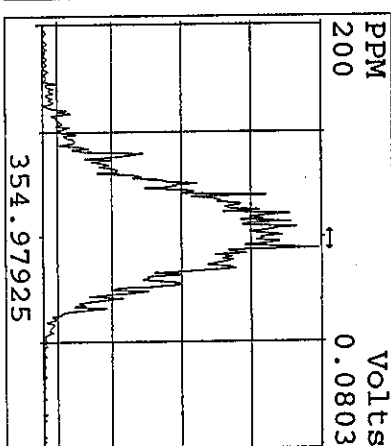
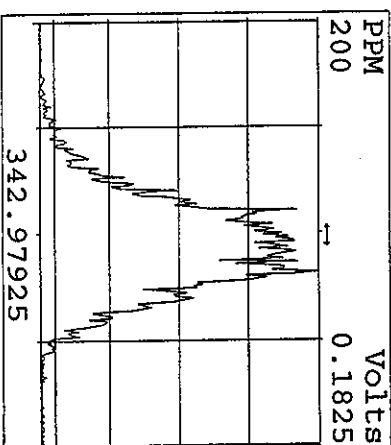
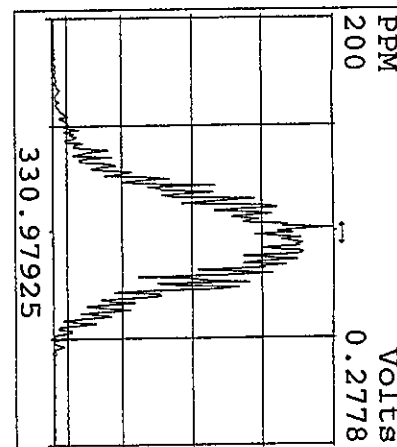
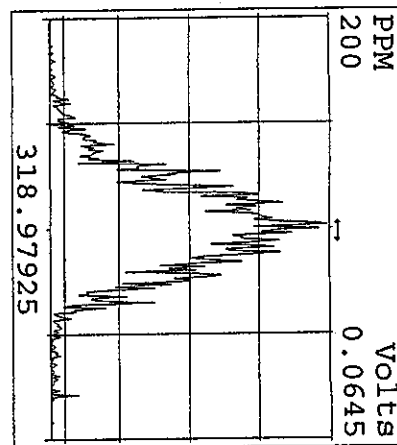
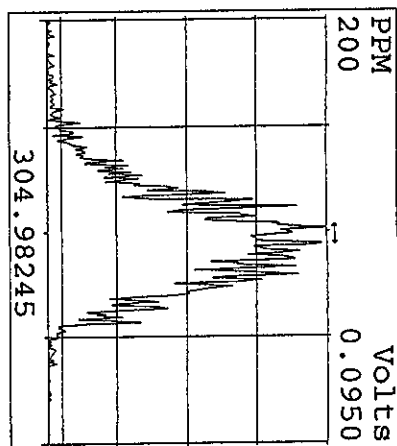
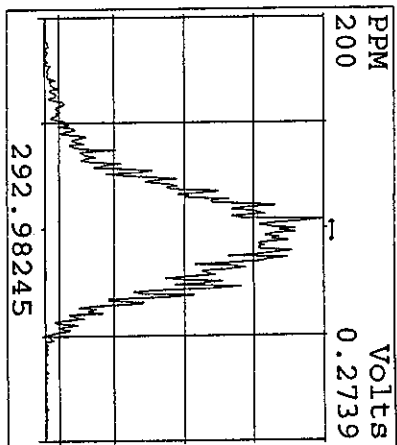
Peak Locate Examination: 20-MAR-2006:10:32 File: 20MR061D5
 Experiment: DIOXIN Function: 4 Reference: PFK



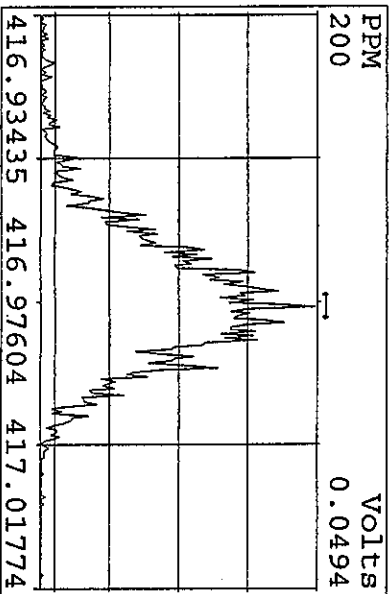
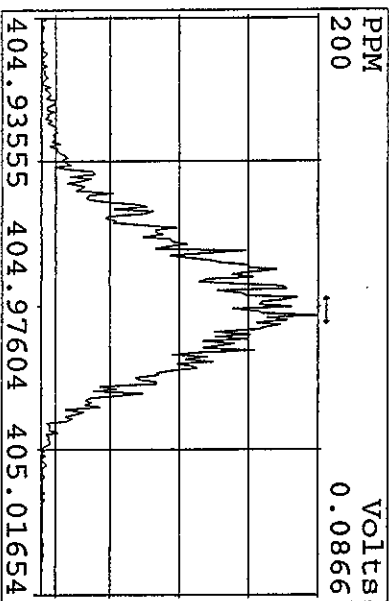
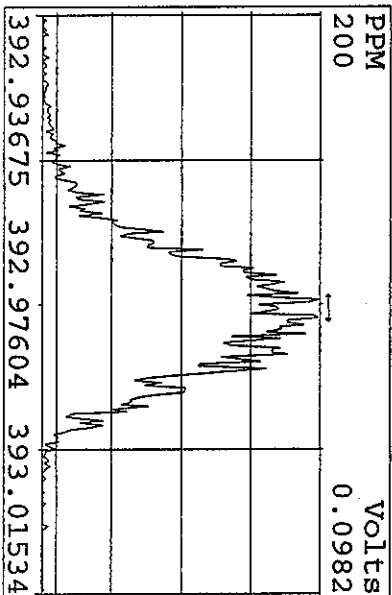
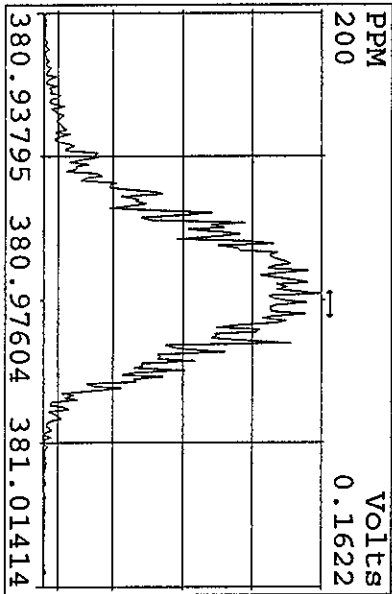
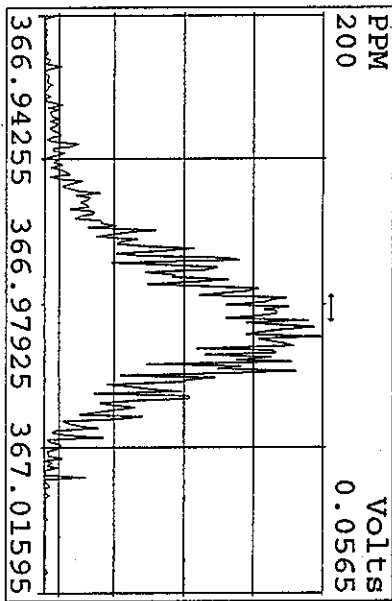
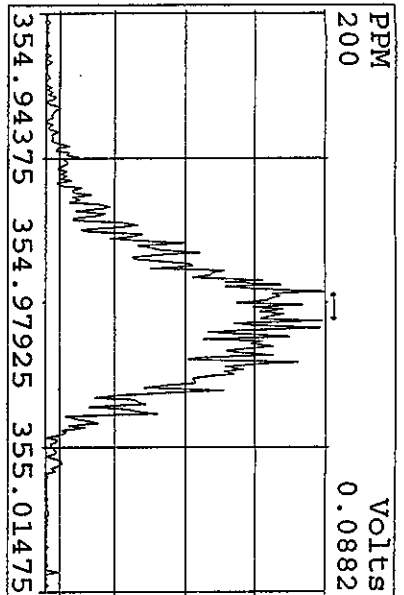
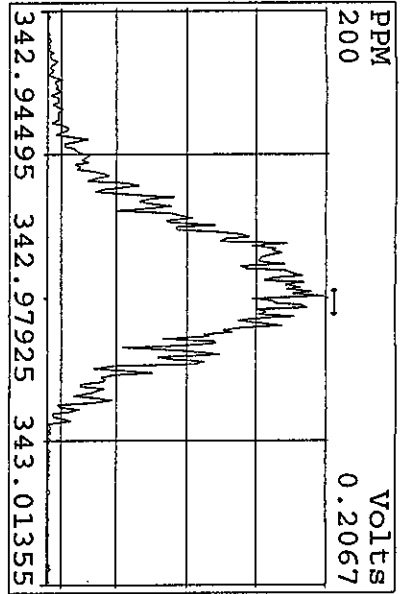
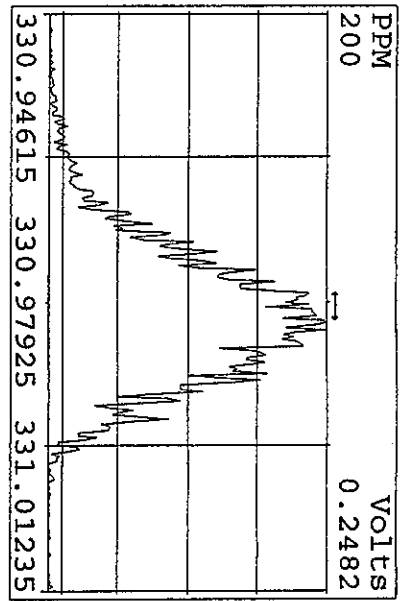
Peak Locate Examination:20-MAR-2006:10:32 File:20MR061D5
 Experiment:DIOXIN Function:5 Reference:PFK



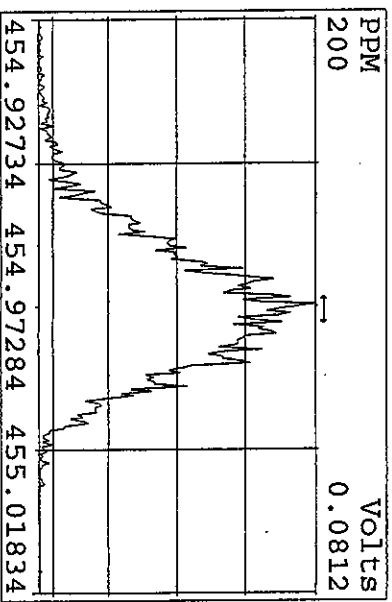
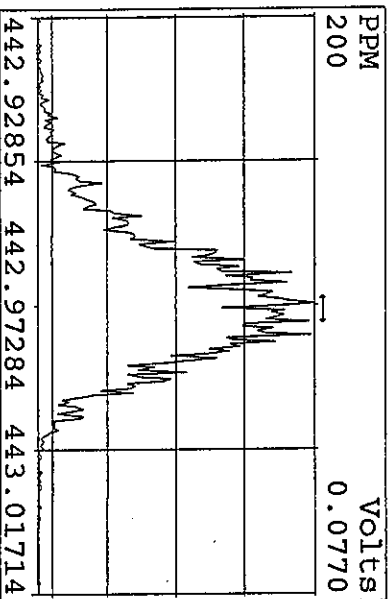
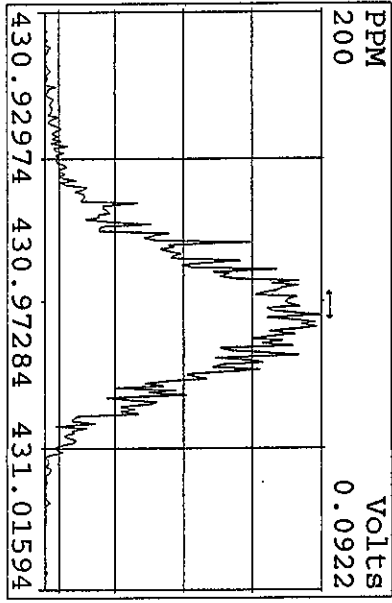
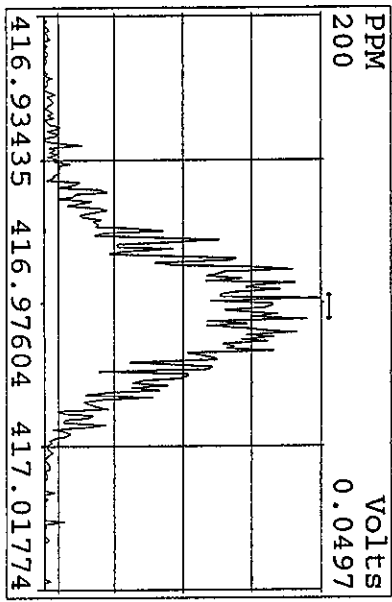
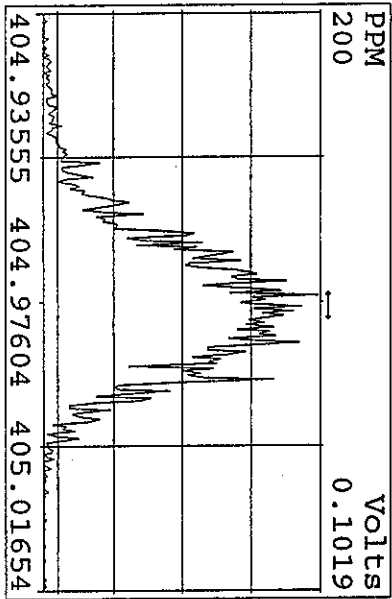
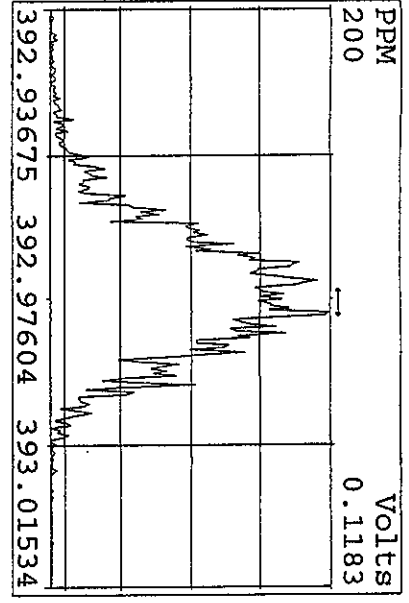
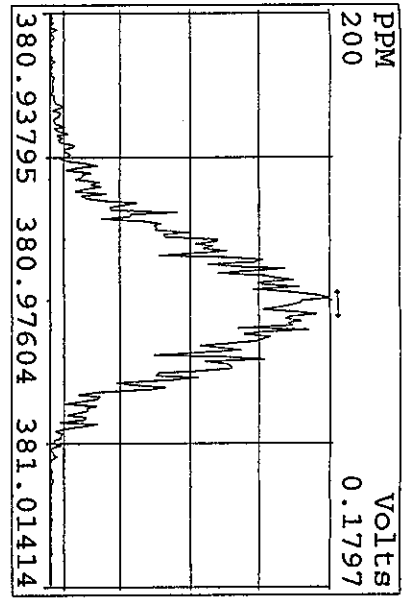
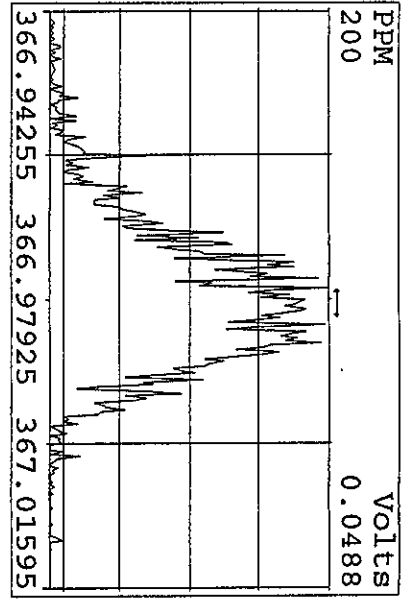
Peak Locate Examination: 22-MAR-2006:09:09 File: ENDRSCHK20MR061D5
Experiment: DIOXIN Function: 1 Reference: PFK



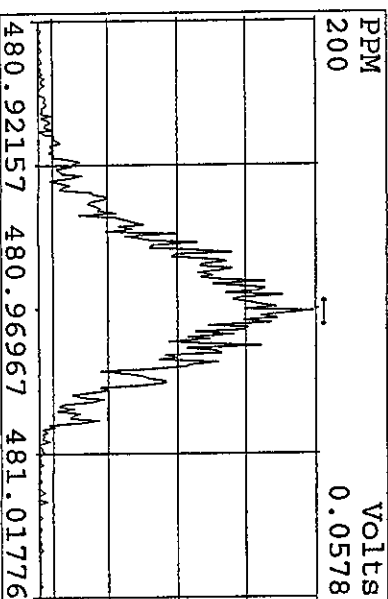
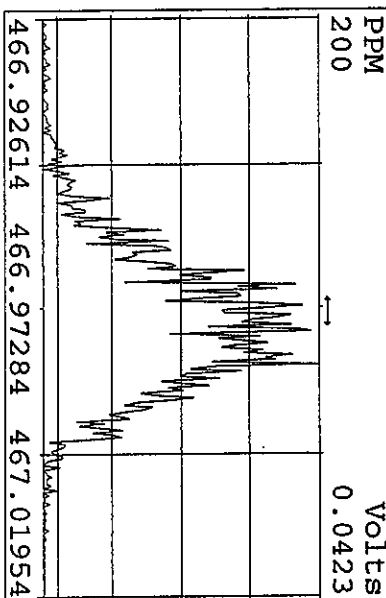
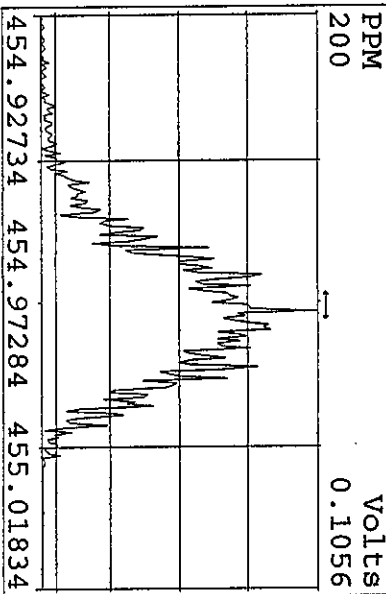
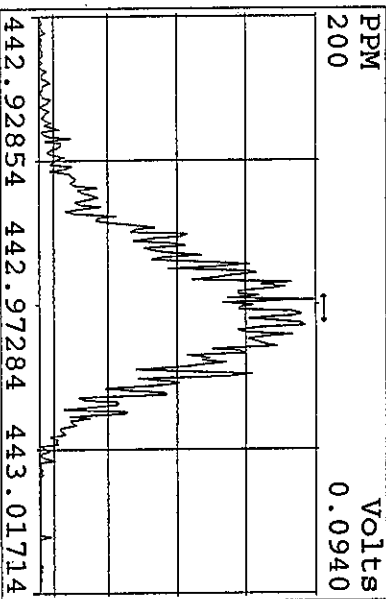
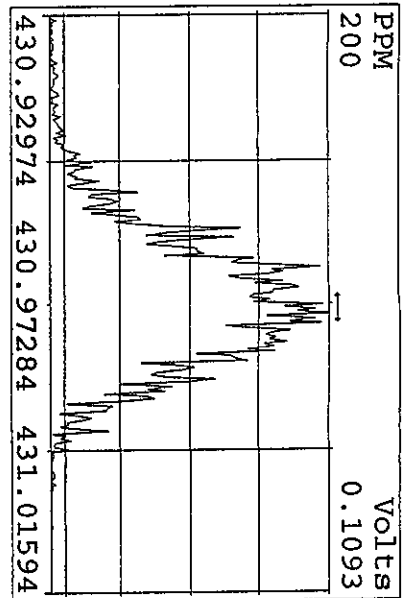
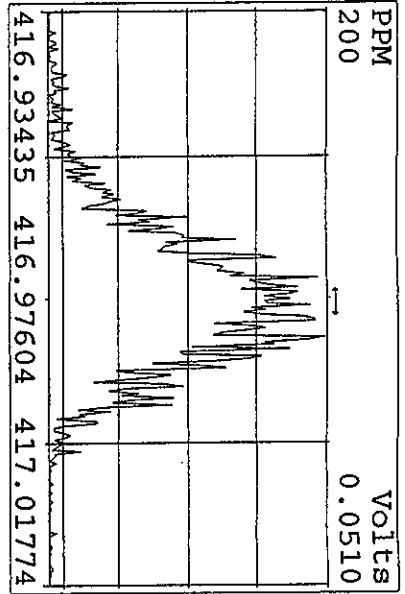
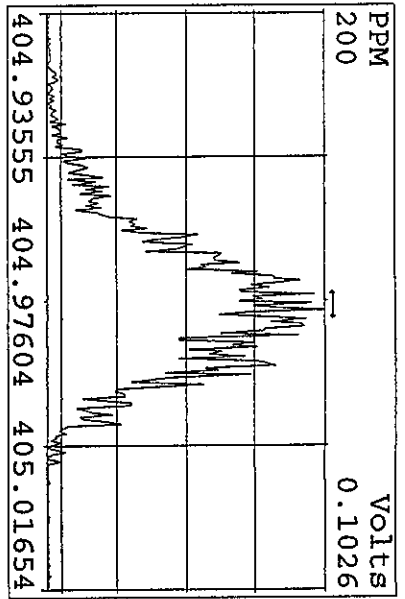
Peak Locate Examination: 22-MAR-2006:09:10 File: ENDRESCHK20MR061D5
Experiment: DIOXIN Function: 2 Reference: PFK



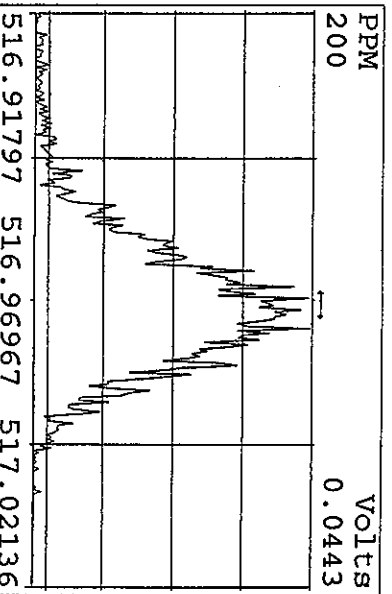
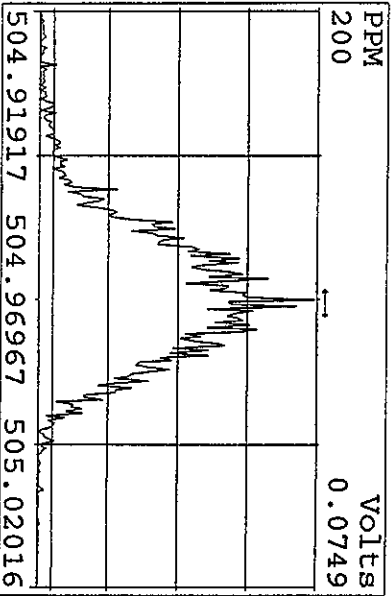
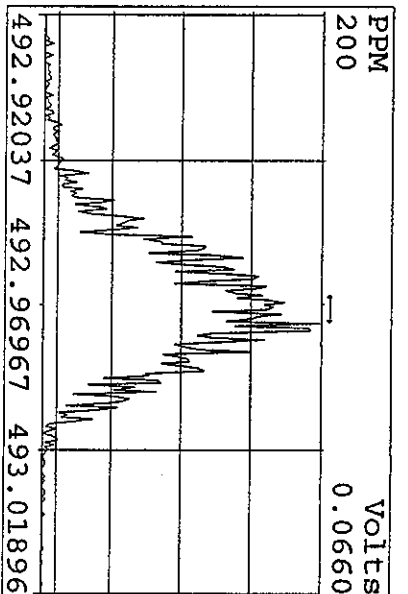
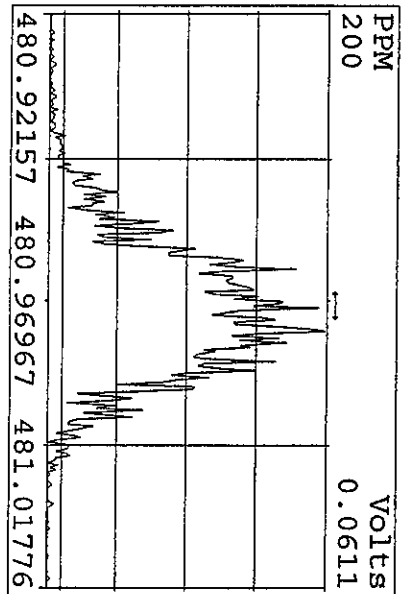
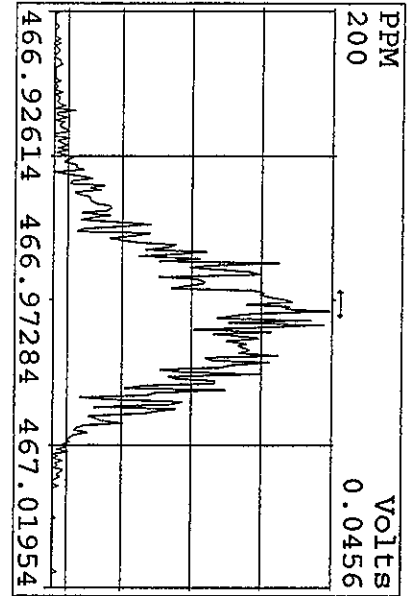
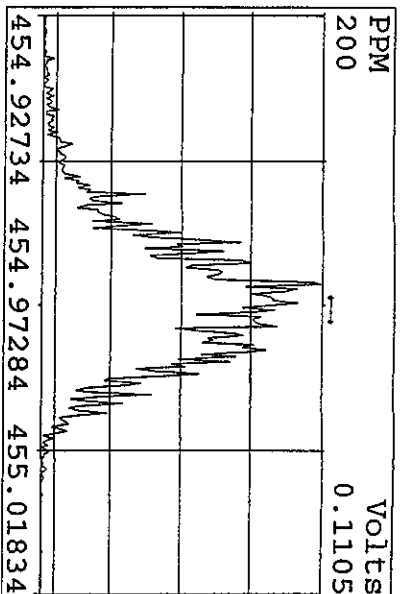
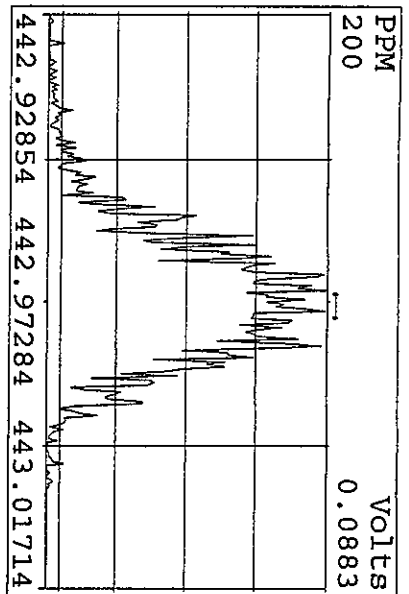
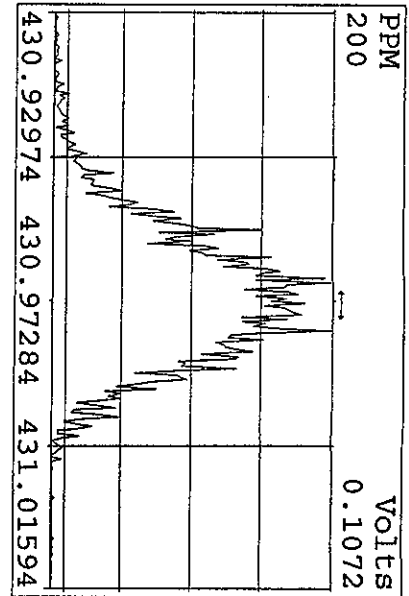
Peak Locate Examination: 22-MAR-2006:09:10 File: ENDRSCHK20MR061D5
 Experiment: DIOXIN Function: 3 Reference: PFK



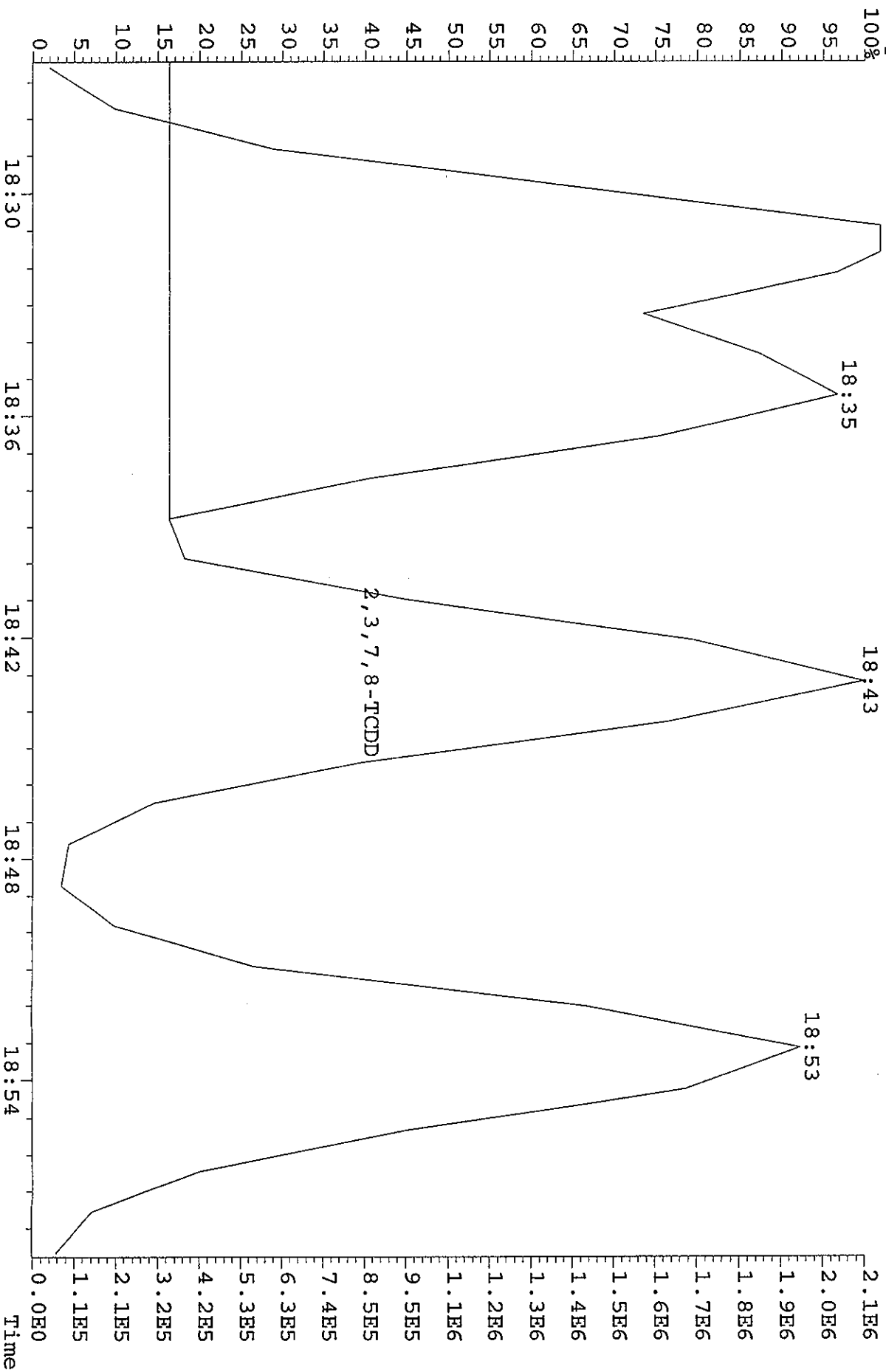
Peak Locate Examination: 22-MAR-2006:09:11 File: ENDRSCHK20MR061DS
 Experiment: DIOXIN Function: 4 Reference: PFK



Peak Locate Examination: 22-MAR-2006:09:11 File: ENDRSCHK20MR061D5
 Experiment: DIOXIN Function: 5 Reference: PFK



File: 20MR06ID5 #1-393 Acq: 20-MAR-2006 23:02:54 GC EI+ Voltage SIR 70SE
 321.8936 S:19 Exp: DIOXIN
 Sample Text: CP0320A : DB-5 CPSM 2565-47



Run: 20MR061D5 Analyte: 8290 Cal: 82900317061D5

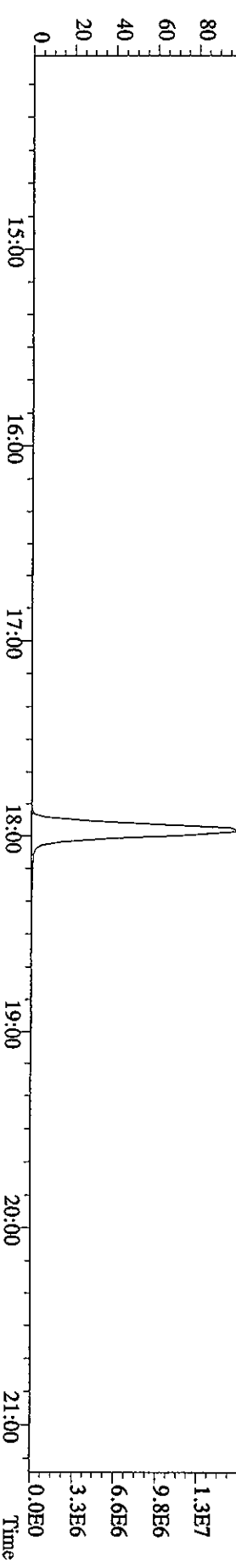
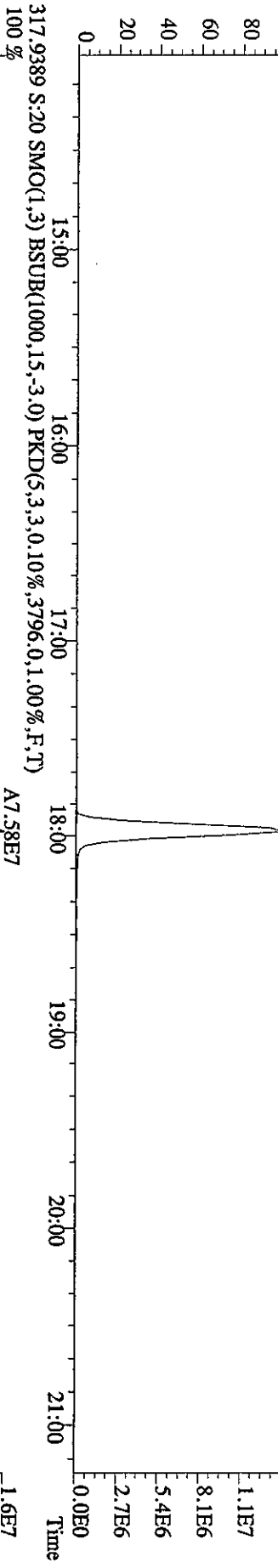
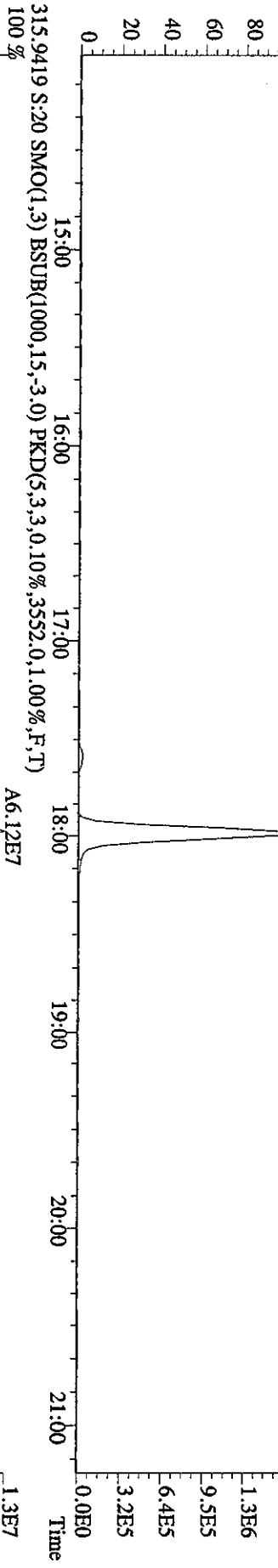
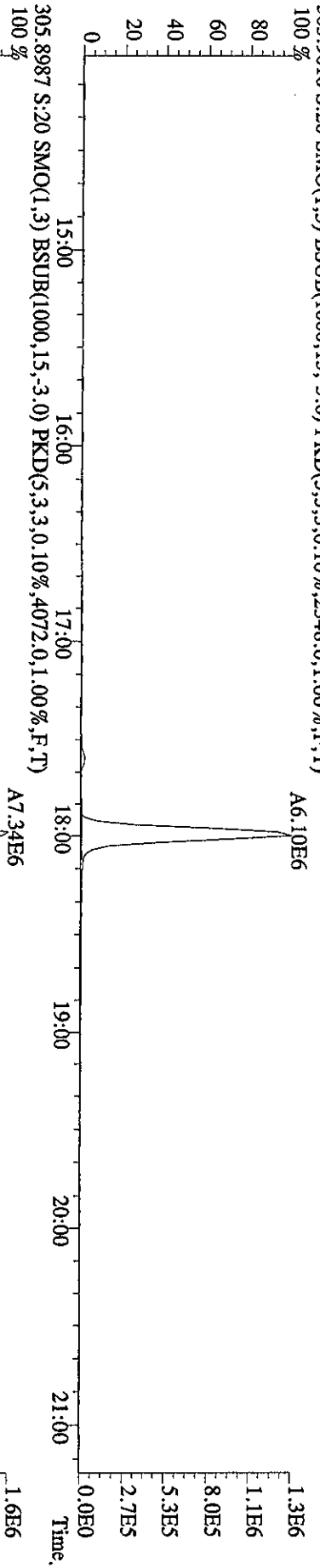
ST0317B : CS1 2565-41A ST0317A : CS2 2565-41B ST0317 : CS3 2565-41C
 ST0317D : CS4 2565-41D ST0317C : CS5 2565-41E

17MR061D5 17MR061D5 17MR061D5 17MR061D5 17MR061D5

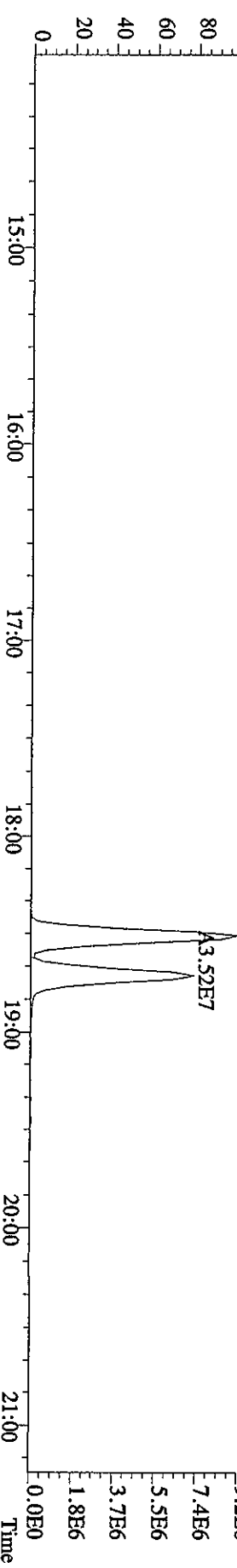
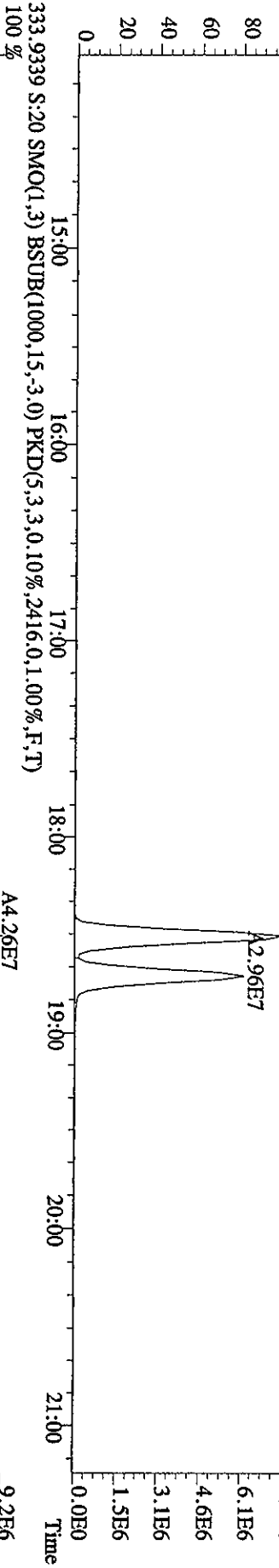
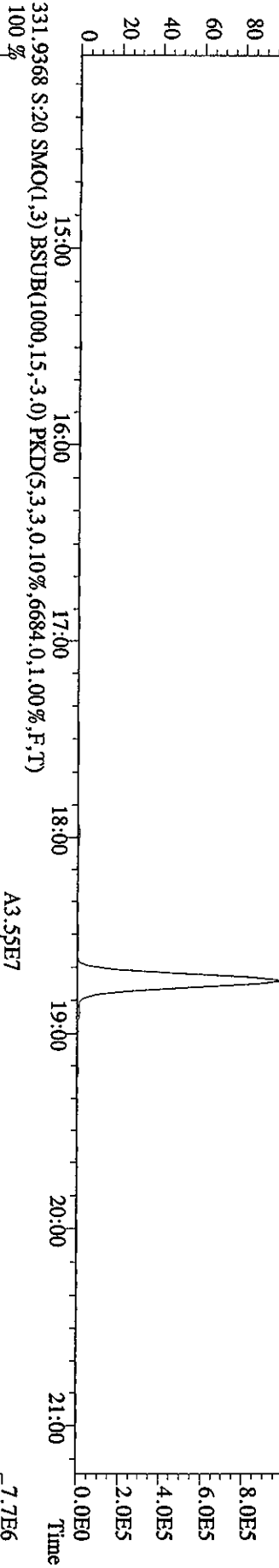
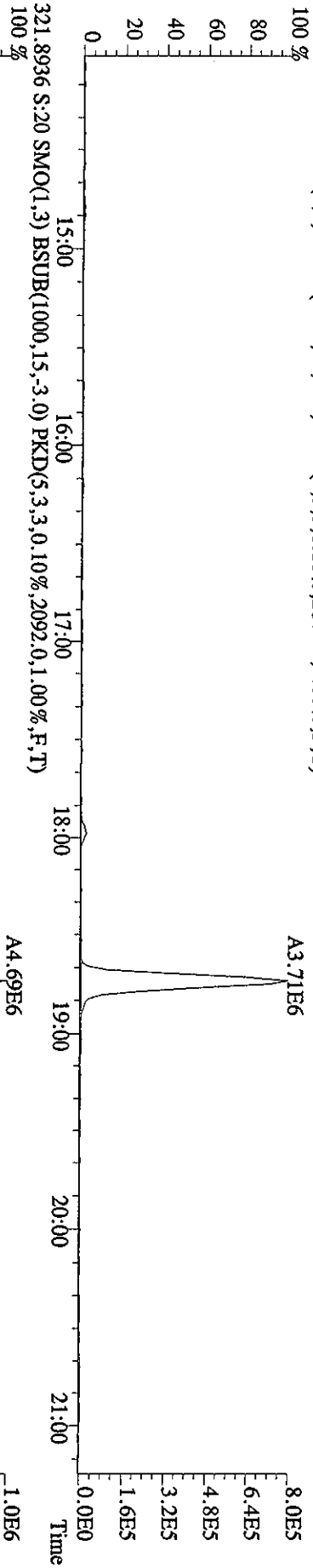
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.700	0.040	2.33 %	1.66	1.68	1.73	1.75	1.68
2,3,7,8-TCDF	1.104	0.071	6.39 %	1.22	1.12	1.06	1.08	1.04
Total TCDF	1.104	0.071	6.39 %	1.22	1.12	1.06	1.08	1.04
13C-2,3,7,8-TCDD	0.869	0.024	2.73 %	0.84	0.86	0.89	0.89	0.86
2,3,7,8-TCDD	1.419	0.047	3.34 %	1.48	1.46	1.38	1.37	1.41
Total TCDD	1.419	0.047	3.34 %	1.48	1.46	1.38	1.37	1.41
37Cl-2,3,7,8-TCDD	2.408	0.133	5.54 %	2.57	2.20	2.41	2.40	2.45
13C-1,2,3,7,8-PeCDF	1.420	0.062	4.34 %	1.38	1.35	1.46	1.50	1.40
1,2,3,7,8-PeCDF	1.044	0.030	2.90 %	1.09	1.04	1.03	1.01	1.04
2,3,4,7,8-PeCDF	1.074	0.037	3.46 %	1.14	1.04	1.07	1.06	1.06
Total F2 PeCDF	1.059	0.032	3.01 %	1.11	1.04	1.05	1.04	1.05
Total F1 PeCDF	1.059	0.032	3.01 %	1.11	1.04	1.05	1.04	1.05
13C-1,2,3,7,8-PeCDD	0.834	0.042	5.00 %	0.80	0.79	0.88	0.87	0.84
1,2,3,7,8-PeCDD	1.054	0.032	3.01 %	1.11	1.05	1.03	1.04	1.03
Total PeCDD	1.054	0.032	3.01 %	1.11	1.05	1.03	1.04	1.03
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.335	0.040	3.02 %	1.38	1.29	1.35	1.29	1.36
1,2,3,4,7,8-HxCDF	1.137	0.040	3.52 %	1.16	1.17	1.08	1.16	1.11
1,2,3,6,7,8-HxCDF	1.234	0.051	4.14 %	1.30	1.25	1.18	1.25	1.19
2,3,4,6,7,8-HxCDF	1.130	0.053	4.71 %	1.21	1.14	1.10	1.14	1.06
1,2,3,7,8,9-HxCDF	1.095	0.061	5.57 %	1.18	1.11	1.06	1.11	1.01
Total HxCDF	1.149	0.049	4.28 %	1.21	1.17	1.10	1.16	1.09
13C-1,2,3,6,7,8-HxCDD	0.973	0.024	2.47 %	1.00	0.94	0.99	0.96	0.97
1,2,3,4,7,8-HxCDD	0.975	0.046	4.71 %	0.99	1.04	0.91	0.96	0.97

1,2,3,6,7,8-HxCDD	1.069	0.053	4.97	%	1.16	1.05	1.04	1.05	1.04
1,2,3,7,8,9-HxCDD	1.098	0.037	3.38	%	1.16	1.11	1.08	1.09	1.06
Total HxCDD	1.047	0.038	3.61	%	1.10	1.07	1.01	1.03	1.02
13C-1,2,3,4,6,7,8-HpCDF	1.061	0.031	2.90	%	1.10	1.07	1.08	1.03	1.02
1,2,3,4,6,7,8-HpCDF	1.368	0.042	3.10	%	1.42	1.34	1.40	1.34	1.34
1,2,3,4,7,8,9-HpCDF	1.231	0.047	3.85	%	1.29	1.17	1.24	1.25	1.20
Total HpCDF	1.300	0.042	3.22	%	1.36	1.26	1.32	1.30	1.27
13C-1,2,3,4,6,7,8-HpCDD	0.895	0.032	3.57	%	0.92	0.92	0.92	0.86	0.86
1,2,3,4,6,7,8-HpCDD	1.059	0.058	5.47	%	1.16	1.04	1.04	1.03	1.02
Total HpCDD	1.059	0.058	5.47	%	1.16	1.04	1.04	1.03	1.02
13C-OCDD	0.761	0.034	4.42	%	0.78	0.72	0.80	0.76	0.73
OCDF	1.455	0.036	2.46	%	1.49	1.47	1.40	1.44	1.47
OCDD	1.100	0.084	7.67	%	1.24	1.11	1.05	1.05	1.04

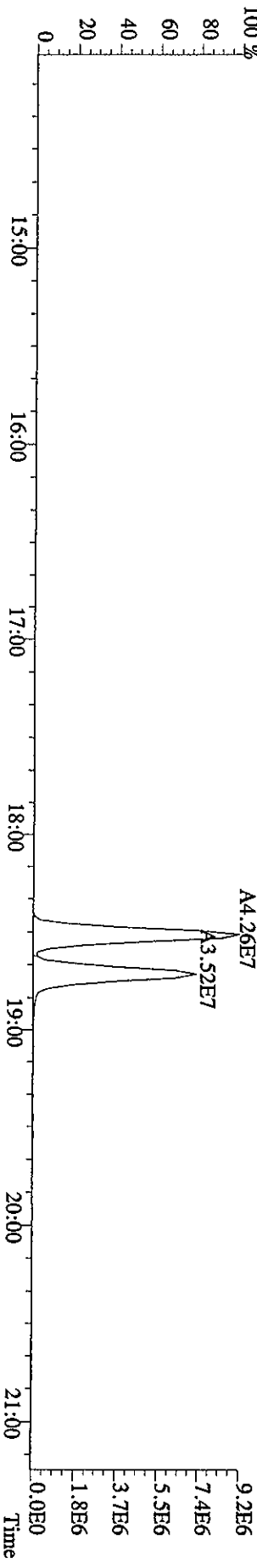
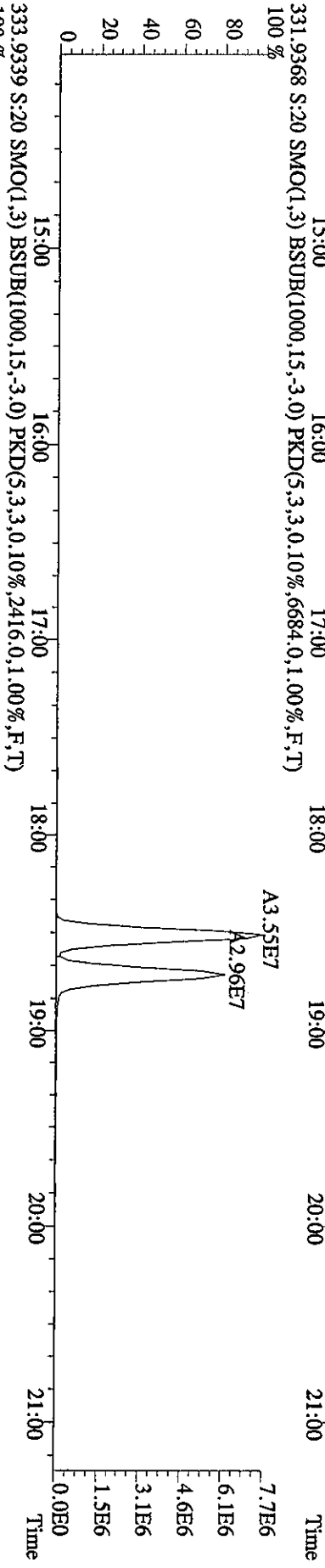
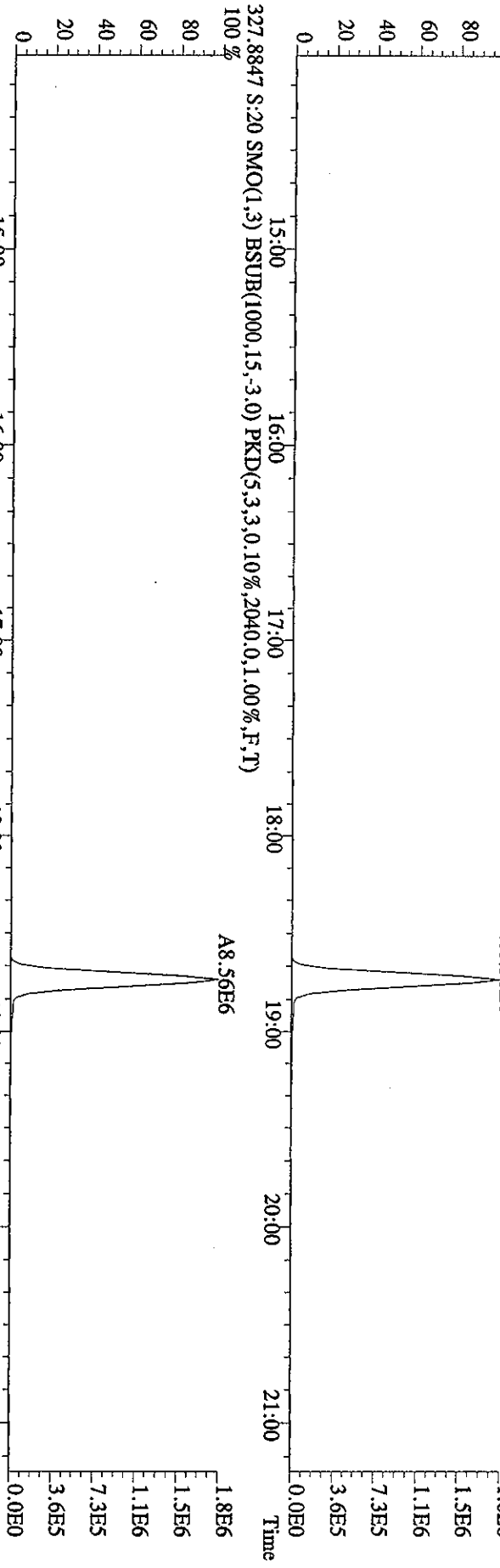
File: 20MR061D5 #1-393 Acq: 20-MAR-2006 23:44:32 GC: EI + Voltage SIR 70SE
Sample# 20 Text: ST0320A :CS3 2565-41C Exp: DIOXIN
303.9016 S: 20 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2348,0,1,00%,F,T)
100%



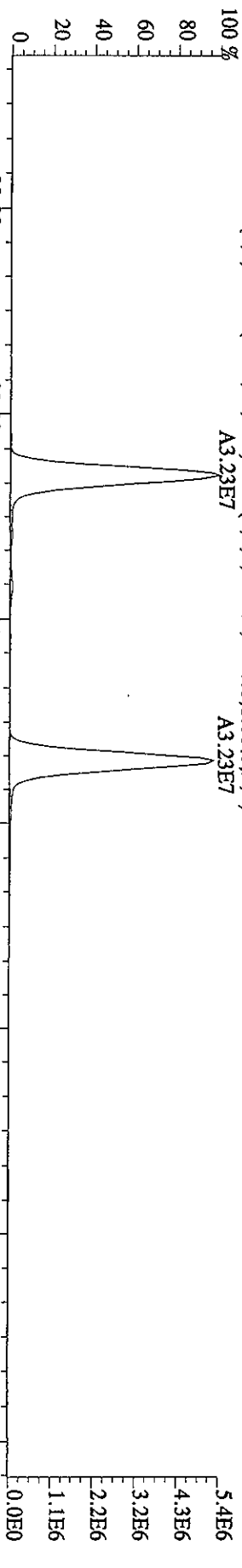
File: 20MR061D5 #1-393 Acq: 20-MAR-2006 23:44:32 GC EI + Voltage SIR 70SE
 Sample#20 Text: ST0320A :CS3 2565-41C Exp.: DIOXIN
 319, 8965 S:20 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2004,0,1,00%,F,T)



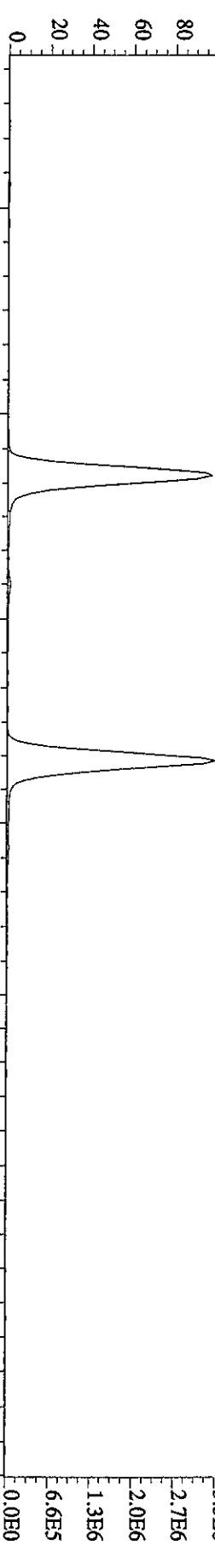
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 327.8847 S:20 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2040,0,1,00%,F,T)
 100%



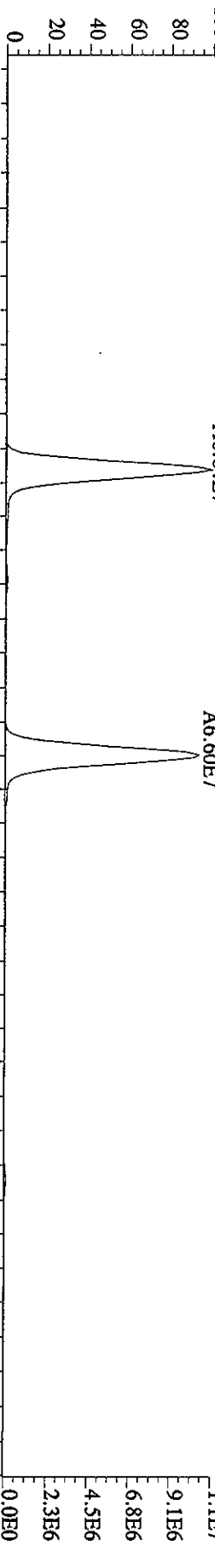
File:20MR061D5 #1-487 Acq:20-MAR-2006 23:44:32 GC EI+ Voltage SIR 70SE
 Sample#20 Text:ST0320A :CS3 2565 41C Exp.:DIOXIN
 339 8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2316,0,1,00%,F,T)
 100 %



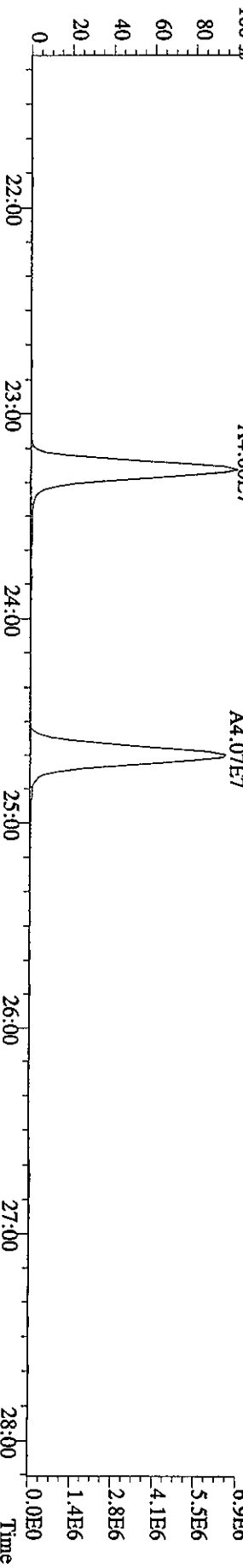
341 8567 S:20 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2780,0,1,00%,F,T)
 100 %



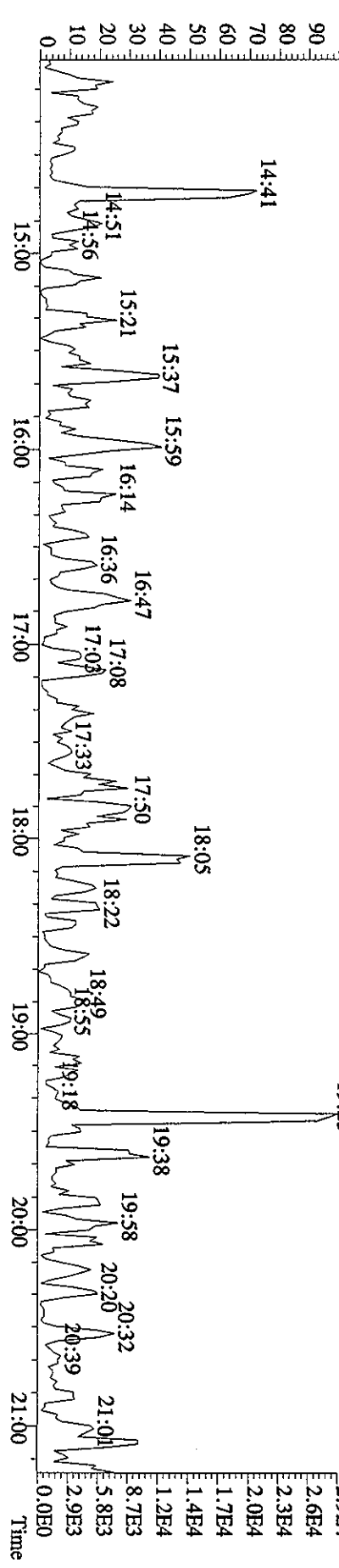
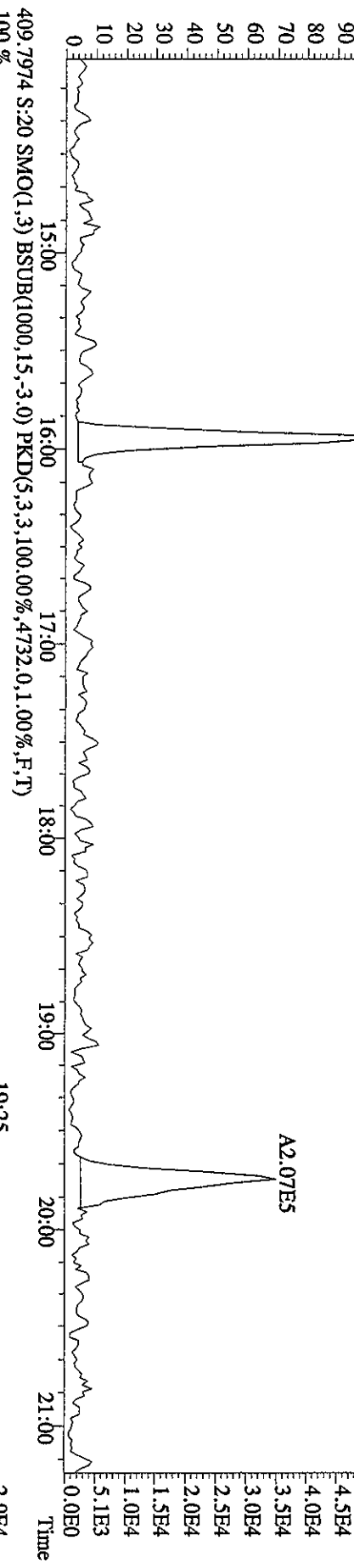
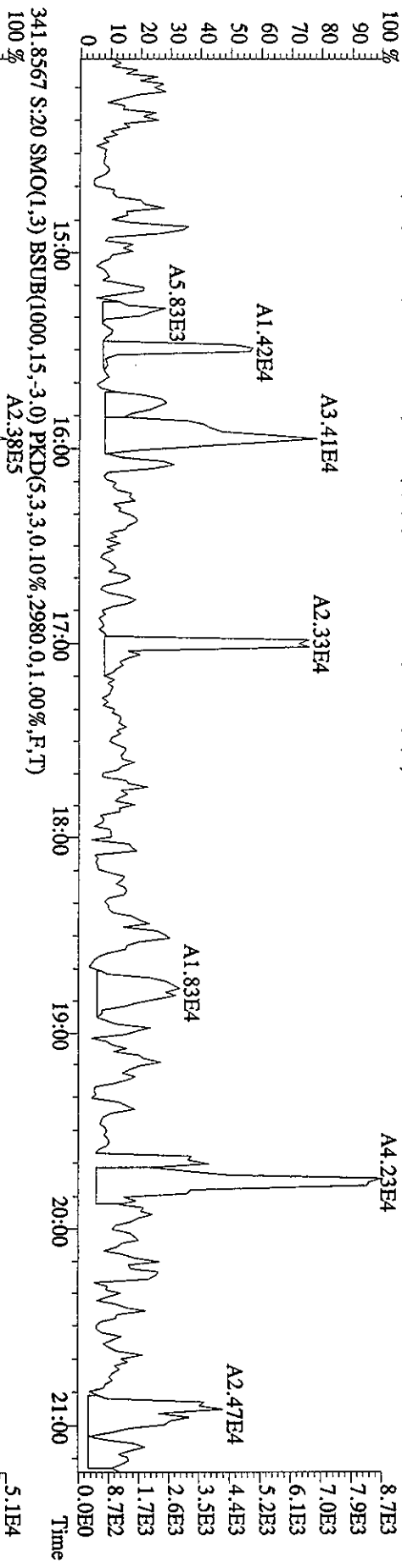
351 9000 S:20 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2596,0,1,00%,F,T)
 100 %



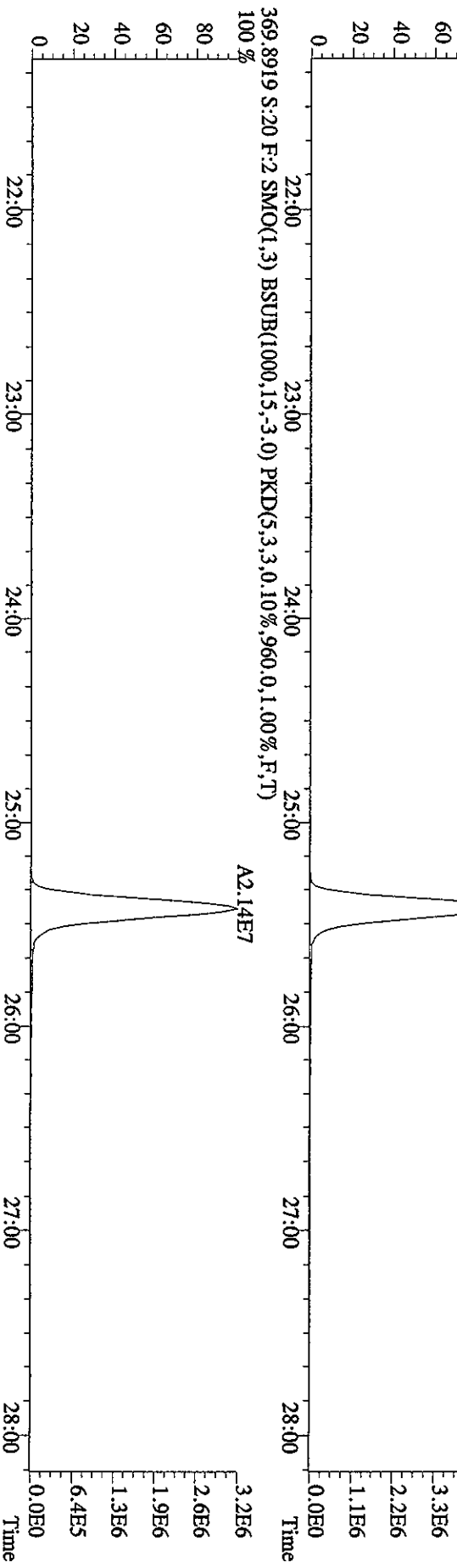
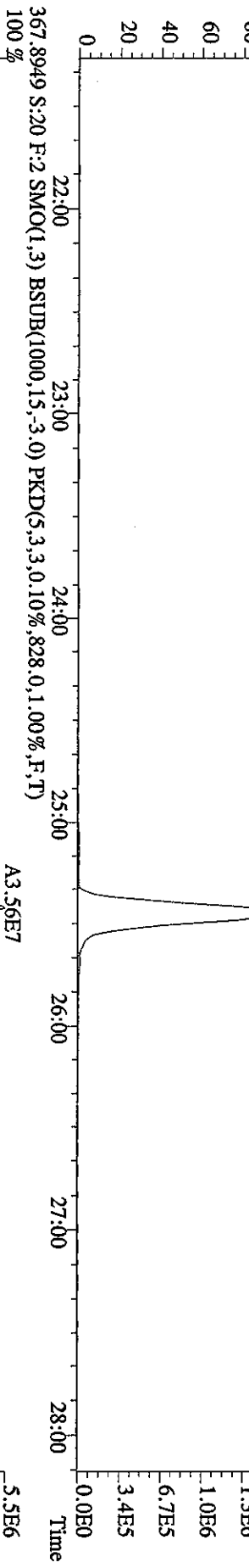
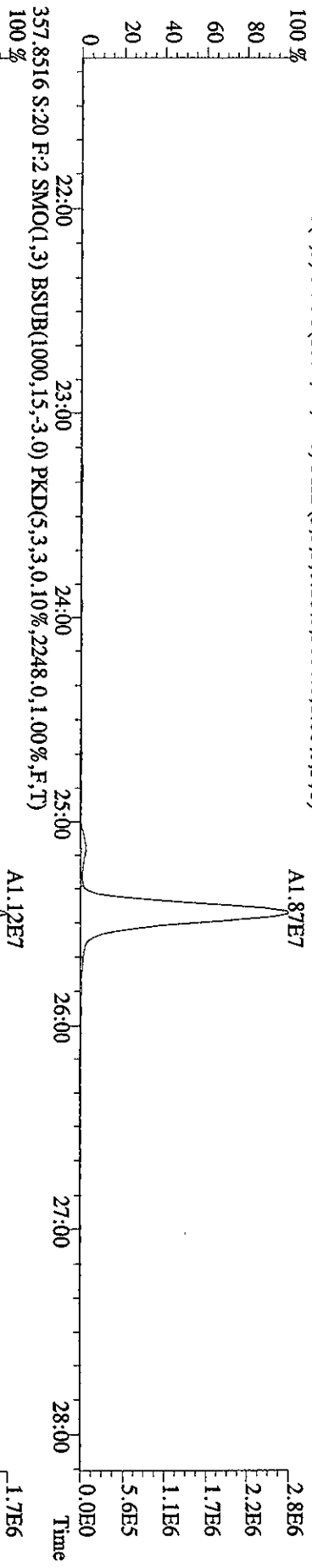
353 8970 S:20 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4096,0,1,00%,F,T)
 100 %

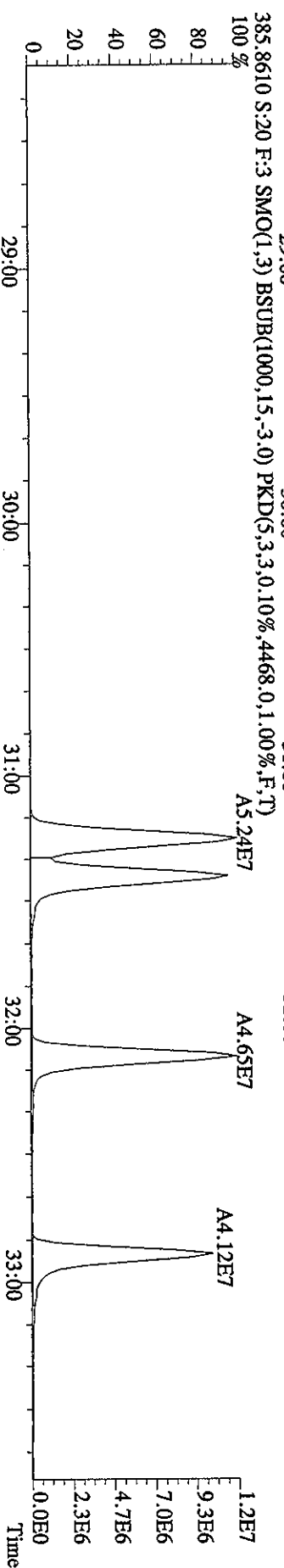
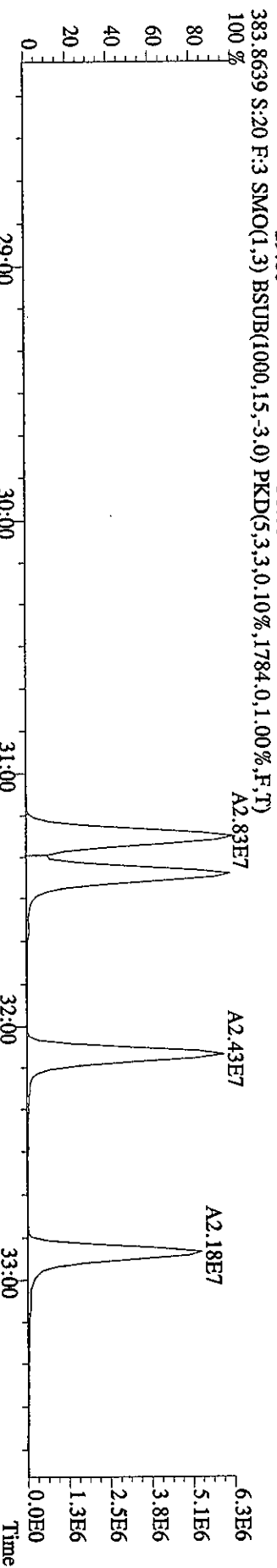
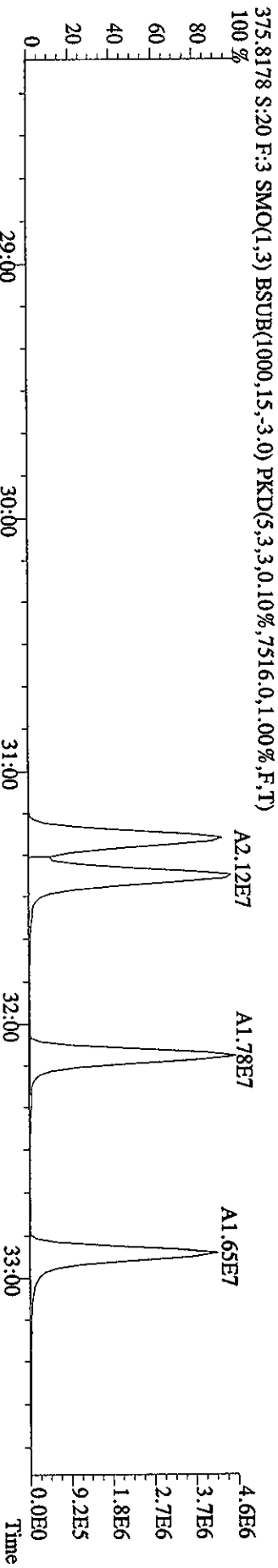
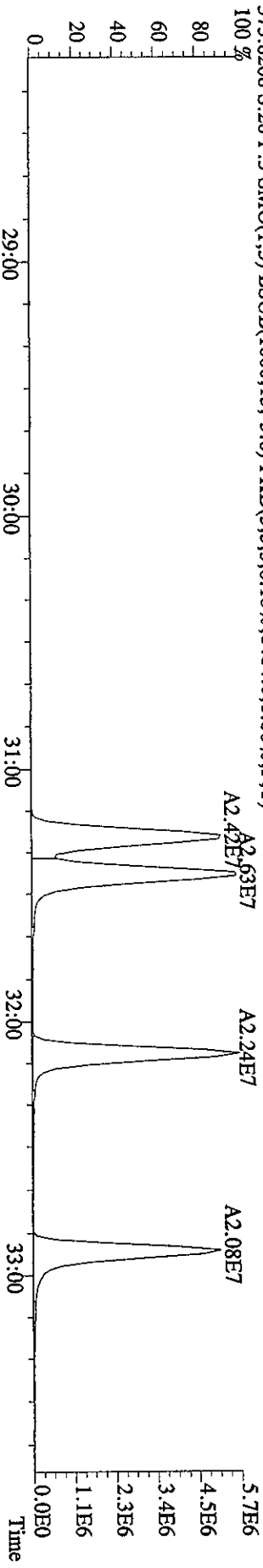


File: 20MR061D5 #1-393 Acq: 20-MAR-2006 23:44:32 GC EI + Voltage SIR 70SE
 Sample#20 Text: ST0320A :CSS 2565-41C Exp: DIOXIN
 339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1360,0,1,00%,F,T)

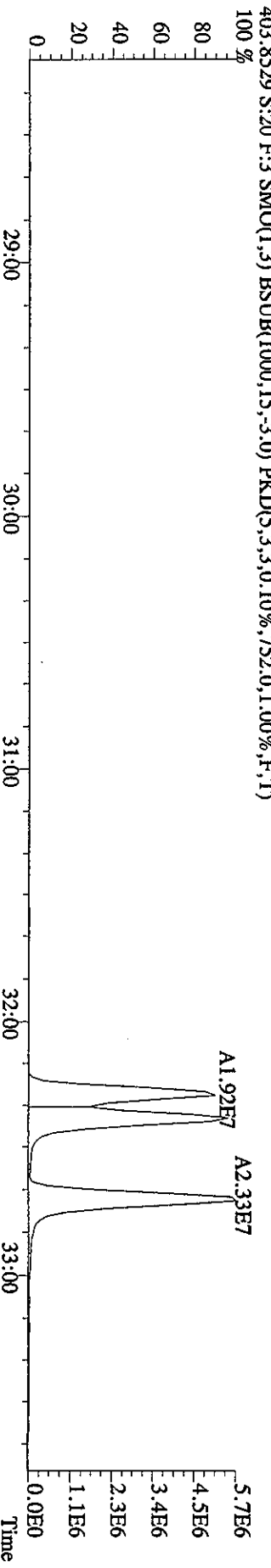
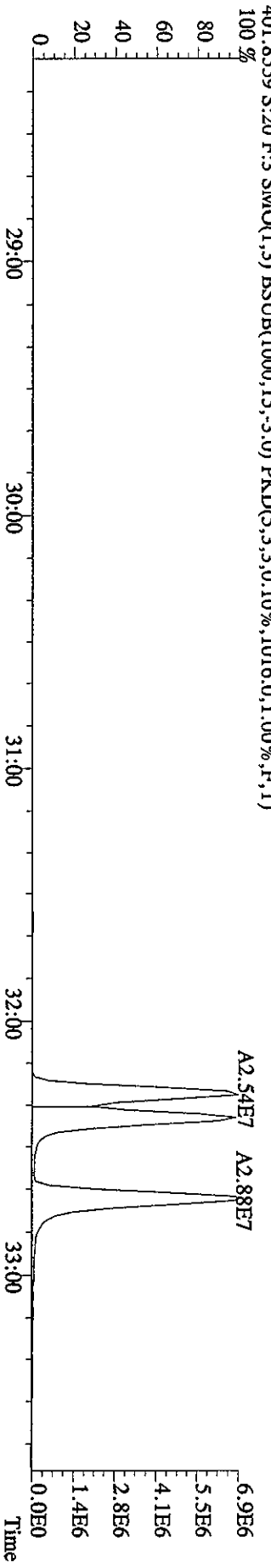
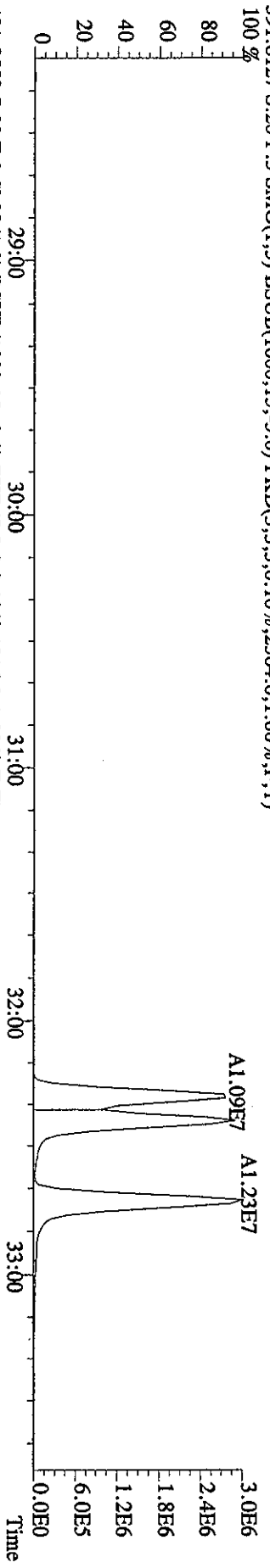
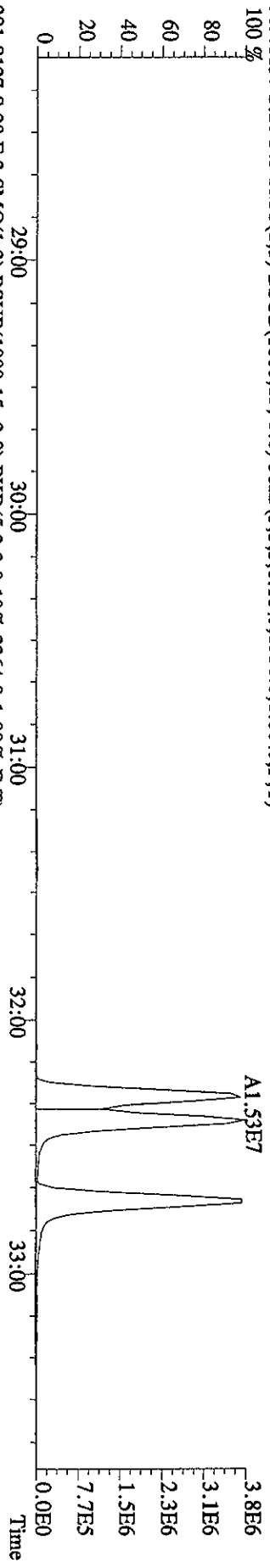


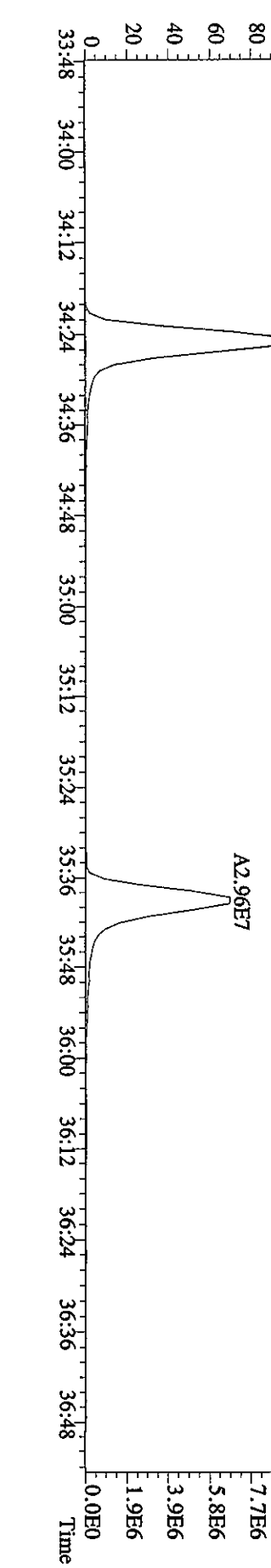
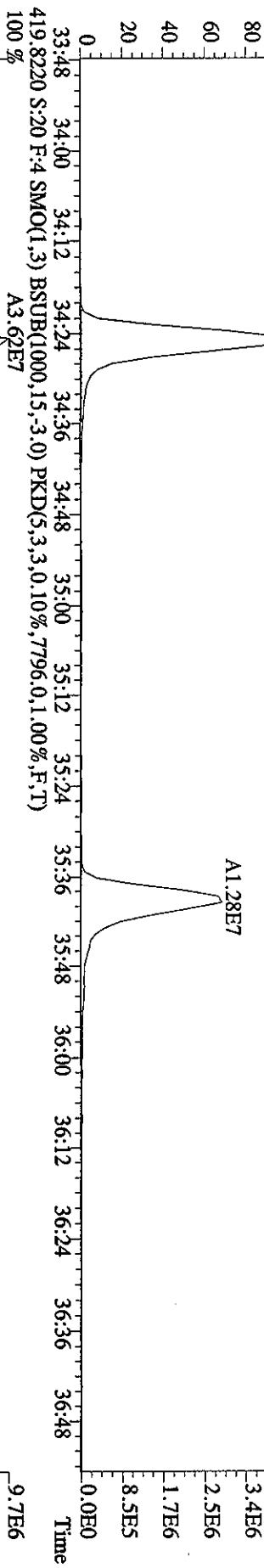
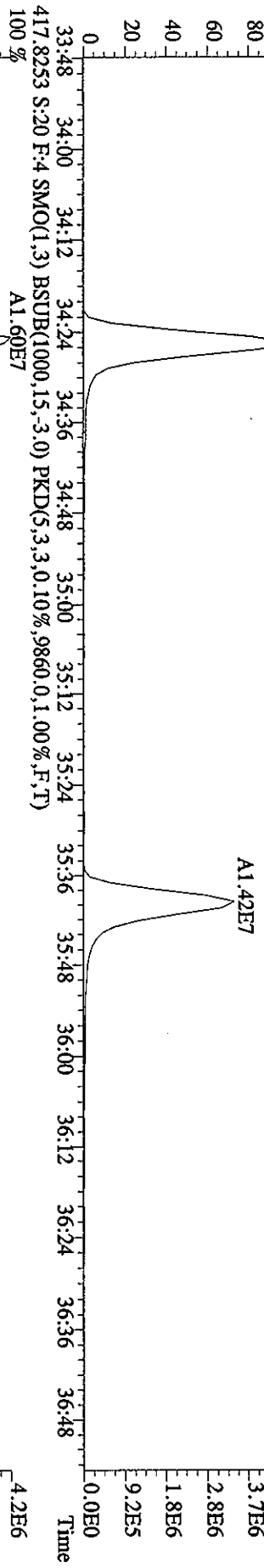
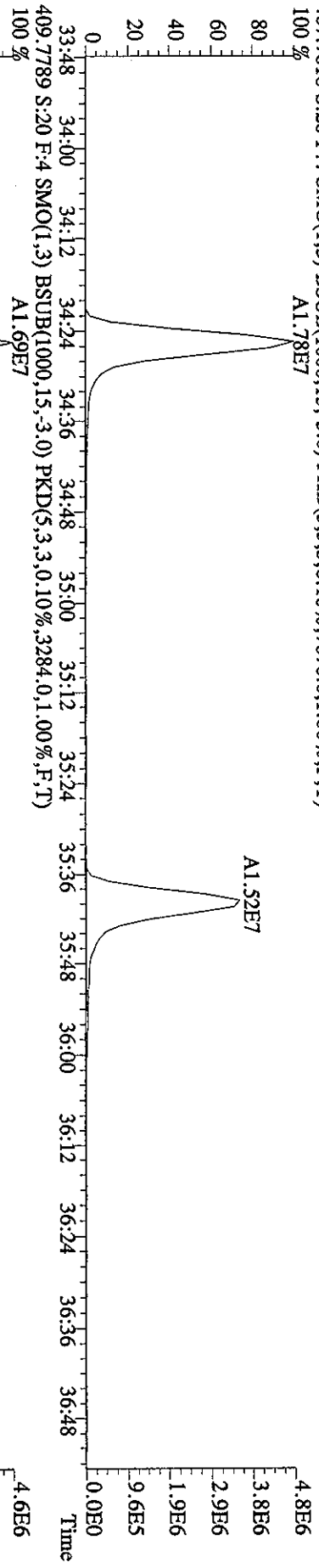
File: 20MR061D5 #1-487 Acq: 20-MAR-2006 23:44:32 GC EI+ Voltage SIR 70SE
 Sample#20 Text: ST0320A :CS3 2565-41C Exp: DIOXIN
 355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5004,0.1,0.00%,F,T)



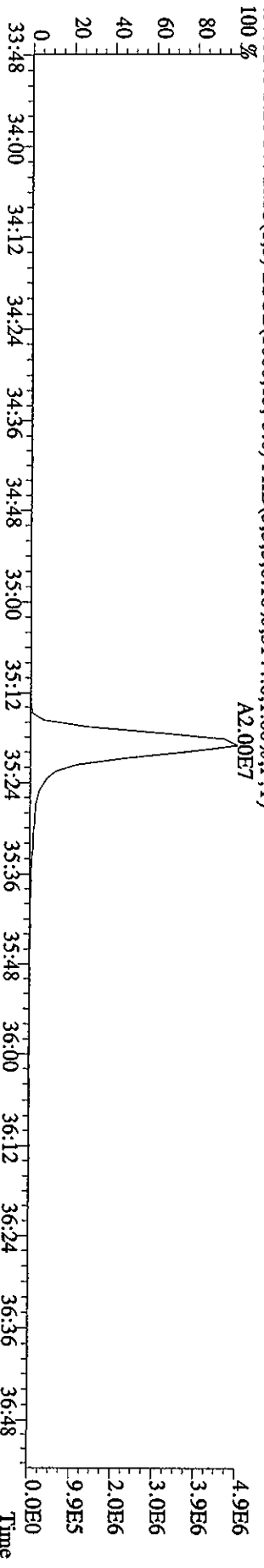
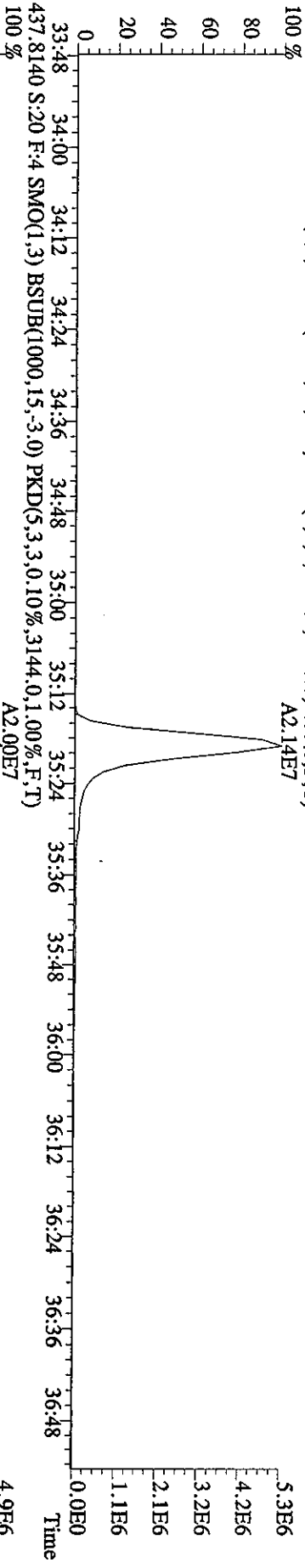
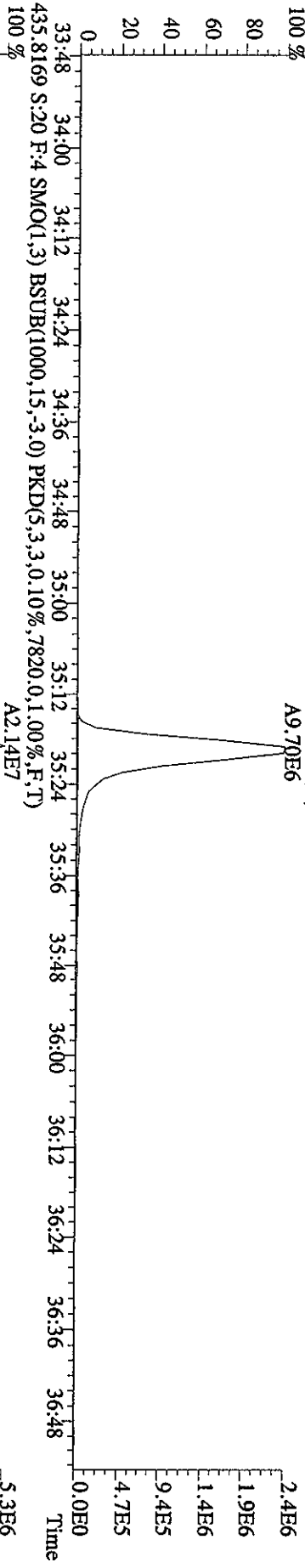
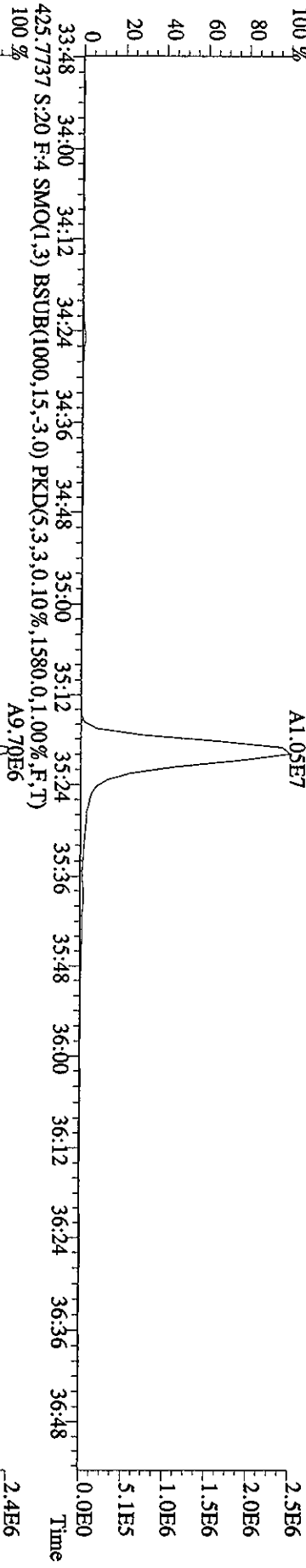


File: 20MR061D5 #1-375 Acq: 20-MAR-2006 23:44:32 GC EI+ Voltage SIR 70SE
 Sample#20 Text: ST0320A :CS3 2565-41C Exp: DIOXIN
 389.8157 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1356,0,1,00%,F,T)

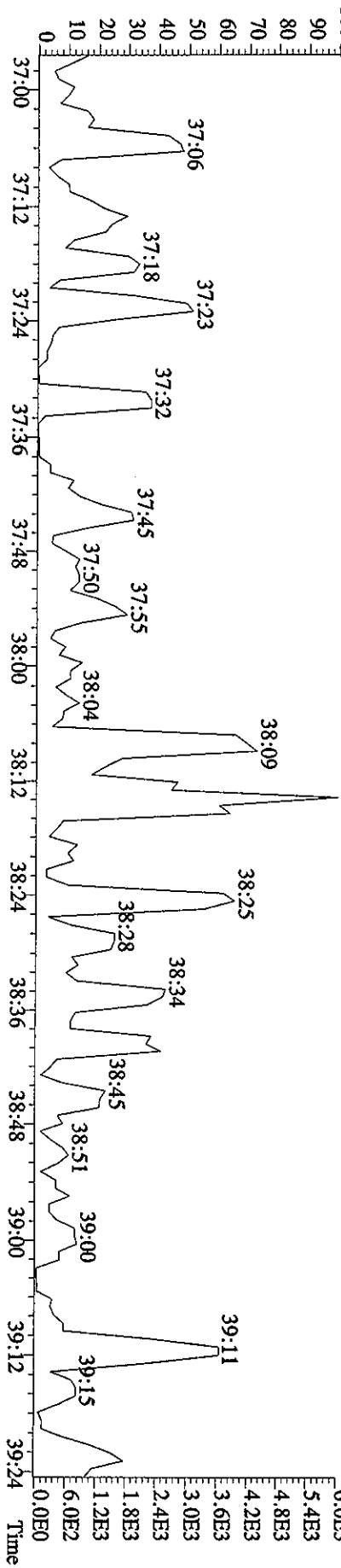
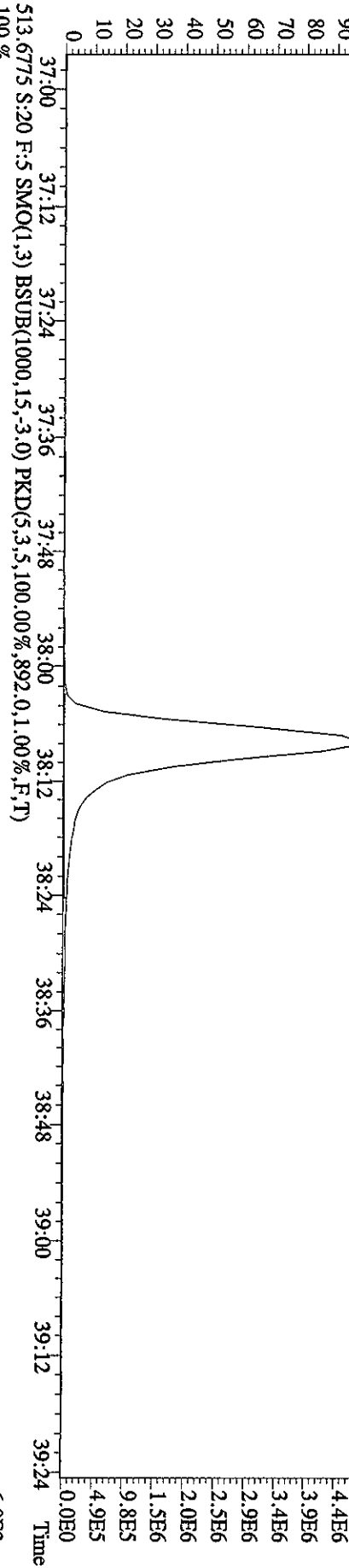
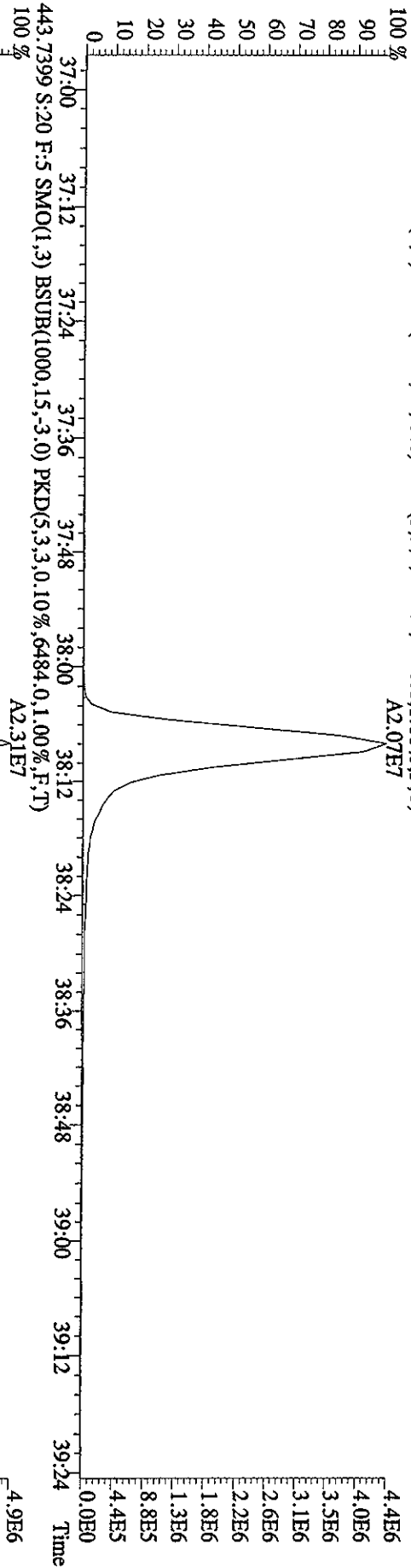




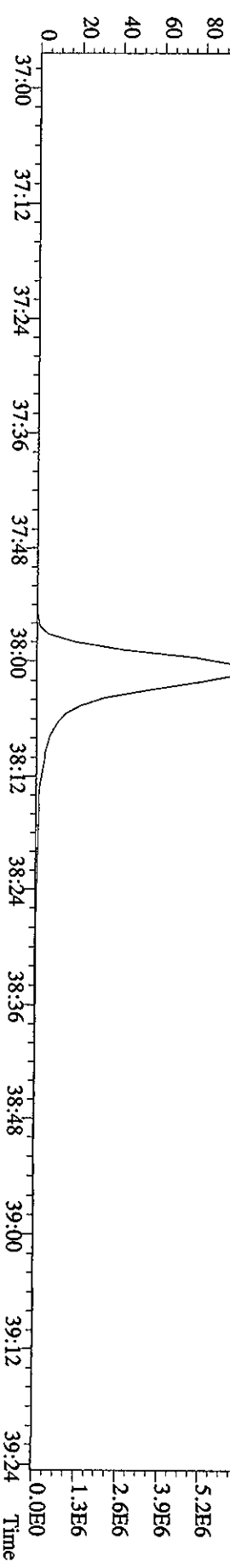
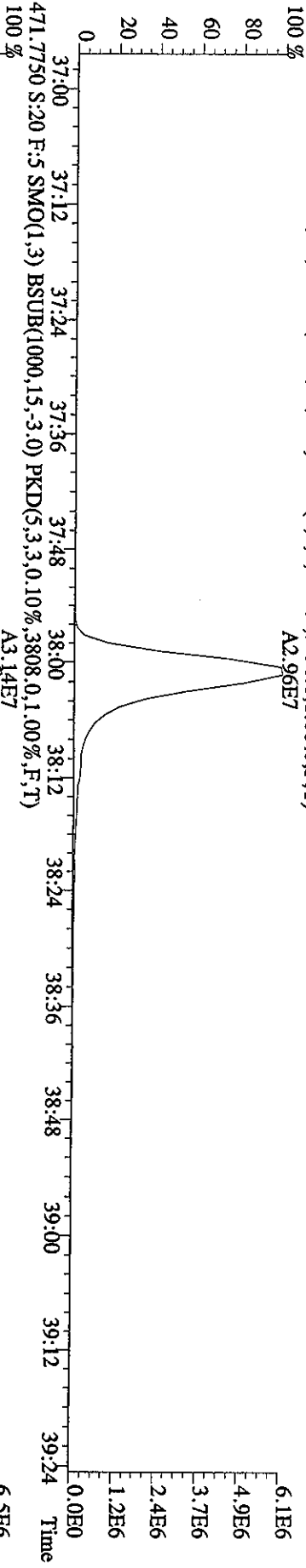
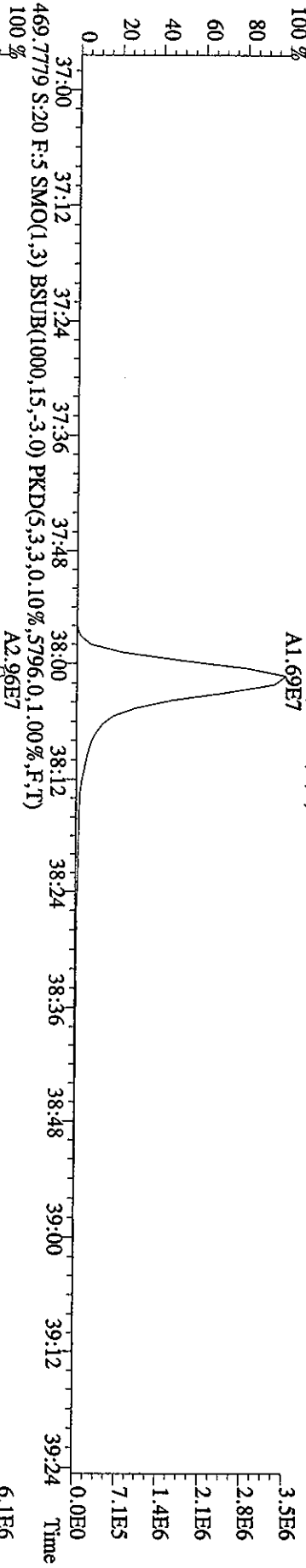
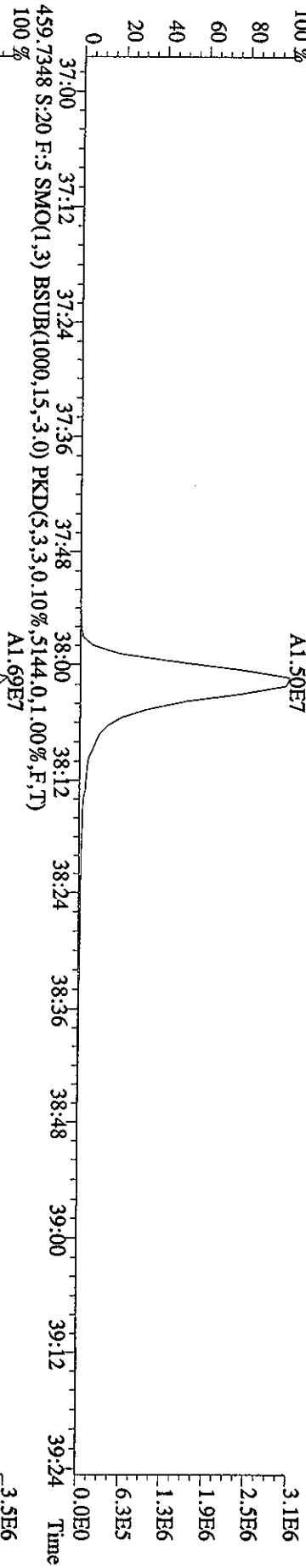
File: 20MR061D5 #1-220 Acq: 20-MAR-2006 23:44:32 GC: EI + Voltage SIR 70SE
 Sample# 20 Text: ST0320A :CSS 2565-41C Exp: DIOXIN
 423.7766 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816,0.1,00%,F,T)
 100%

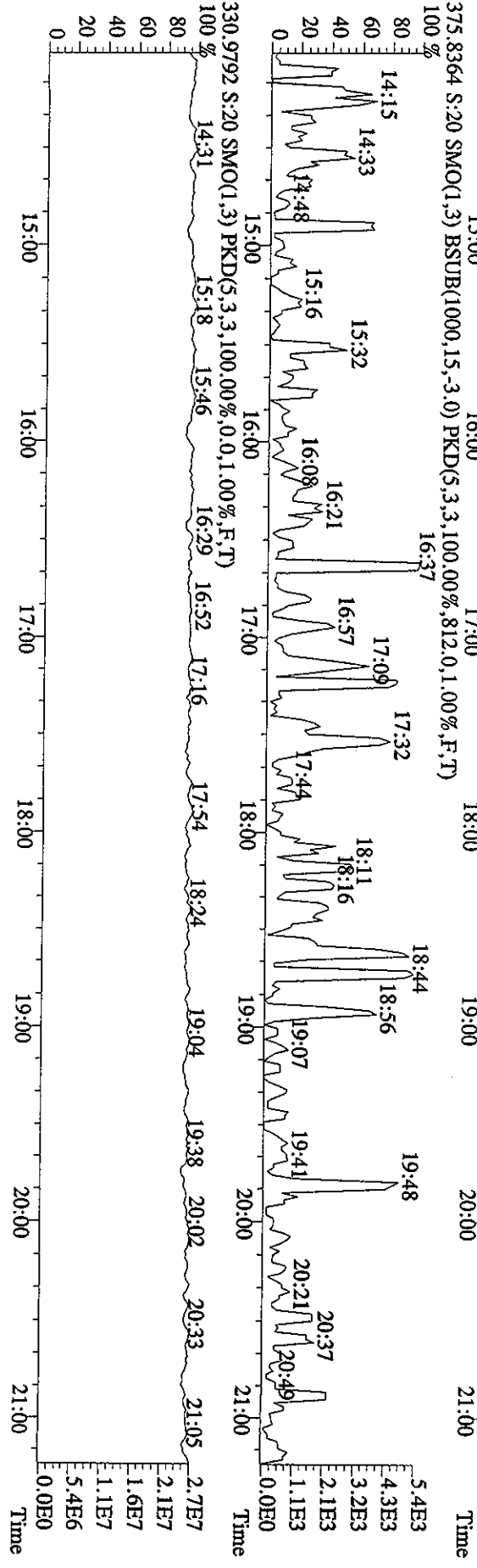
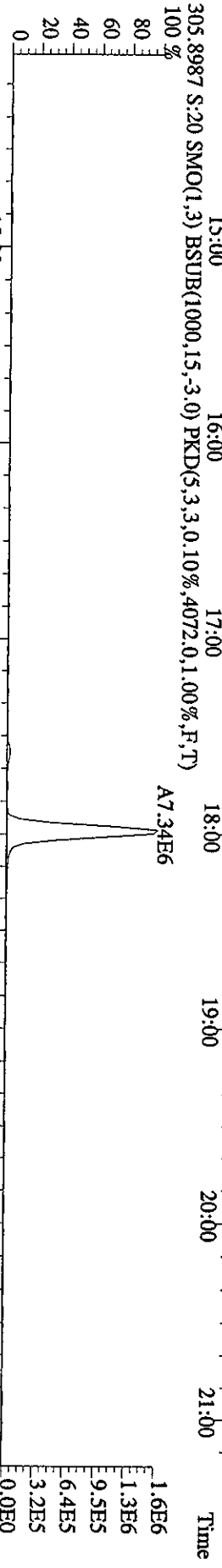
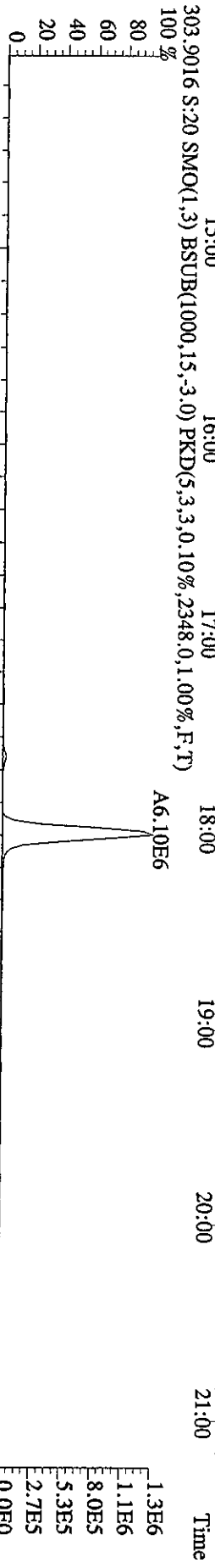
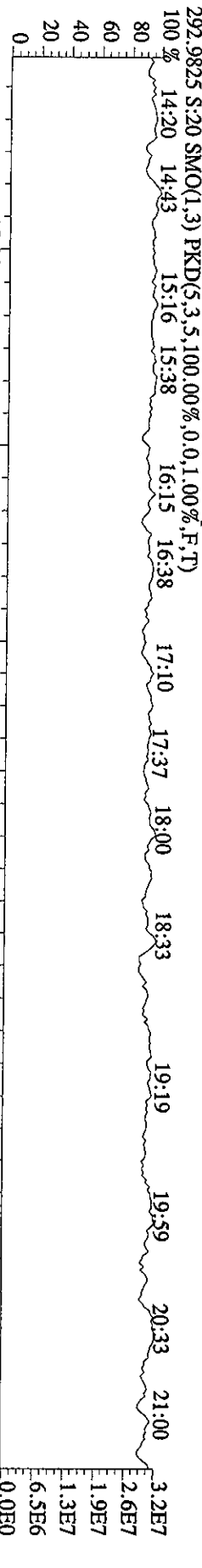


File: 20MAR061D5 #1-179 Acq: 20-MAR-2006 23:44:32 GC EI + Voltage SIR 70SE
 Sample#20 Text: ST0320A : CS3 2565-41C Exp: DIOXIN
 441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2940,0.1,00%,F,T)
 A2.07E7



File:20MR061D5 #1-179 Acq:20-MAR-2006 23:44:32 GC EI + Voltage SIR 70SE
 Sample#20 Text:ST0320A :CS3 2565-41C Exp:DIOXIN
 457.7377 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2080.0,1.00%,F,T)
 100% A1.50E7





File:20MR061D5 #1-487 Acq:20-MAR-2006 23:44:32 GC EI + Voltage SIR 70SE

Sample#20 Text:ST0320A :CS3 2565-41C

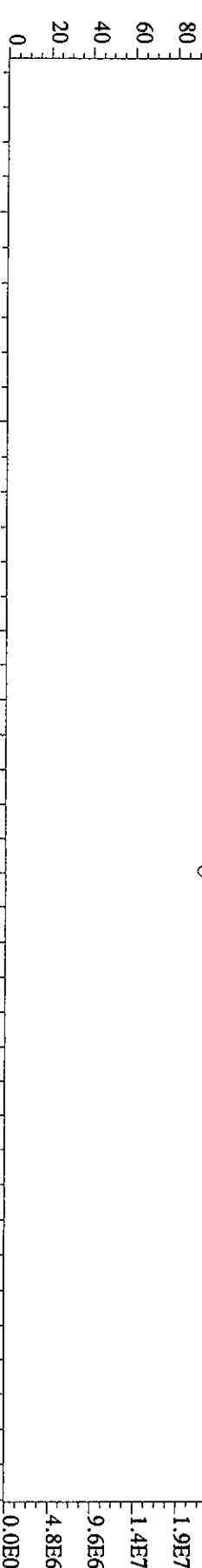
Exp:DIOXIN

342.9792 S:20 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 21:27 21:54 22:20 22:42 23:05 23:38 24:02 24:28 24:58

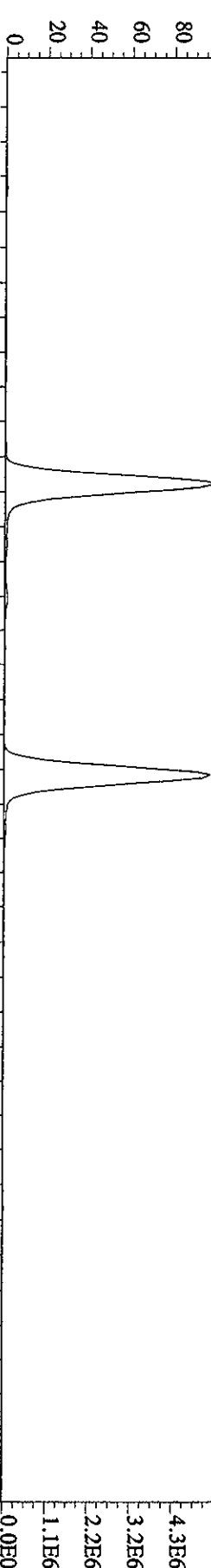
25:39 26:15 26:59 27:23 27:50

2.4E7



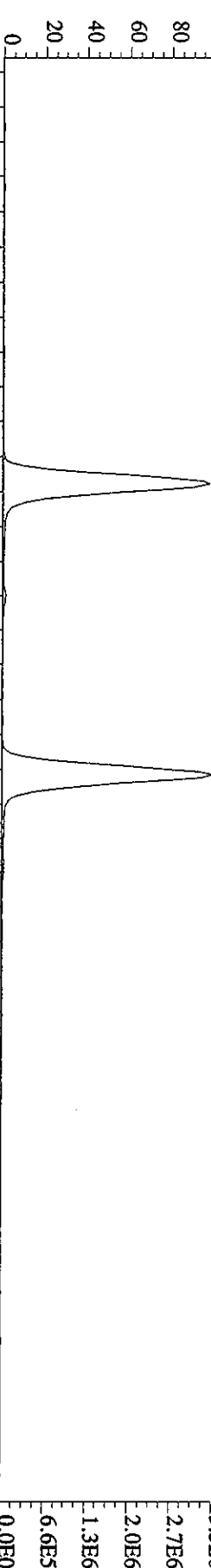
339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2316,0,1.00%,F,T)

100% A3.23E7 A3.23E7



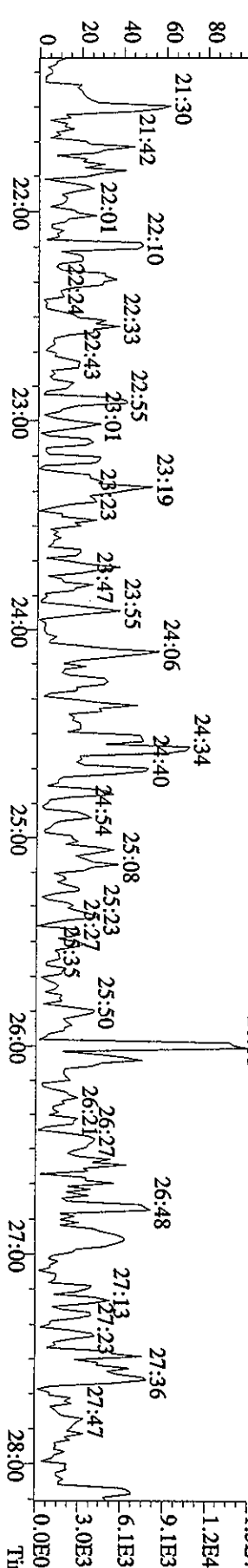
341.8567 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2780,0,1.00%,F,T)

100% A1.97E7 A2.01E7

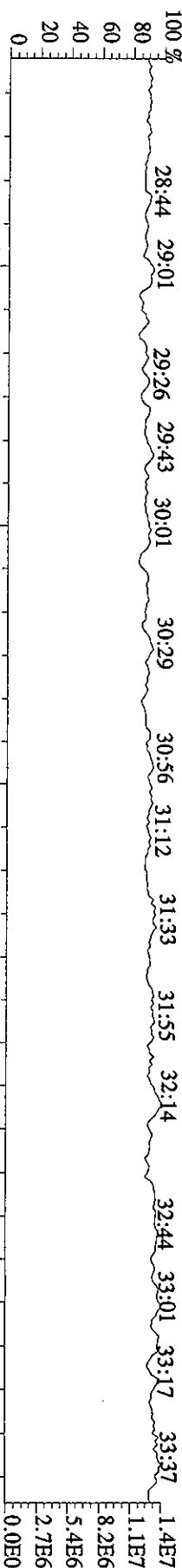


409.7974 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3728,0,1.00%,F,T)

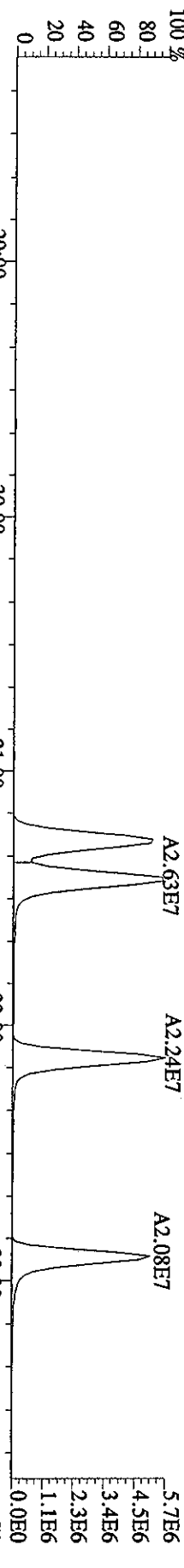
100% 1.5E4 1.2E4 9.1E3 6.1E3 3.0E3 0.0E0



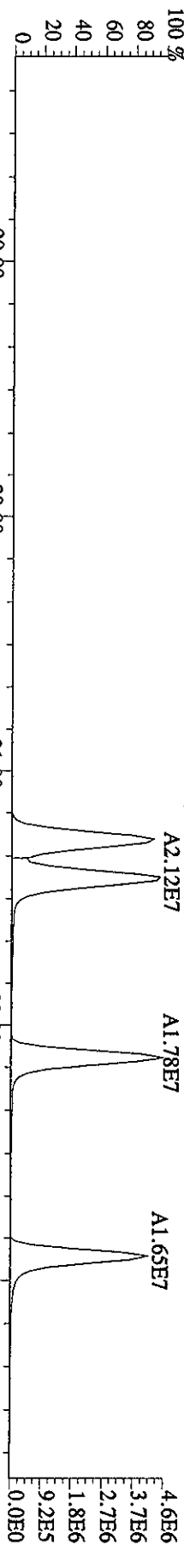
File: 20MR061D5 #1-375 Acq: 20-MAR-2006 23:44:32 GC EI+ Voltage SIR 70SE
 Sample#20 Text: ST0320A :CS3 2565-41C Exp: DIOXIN
 392.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



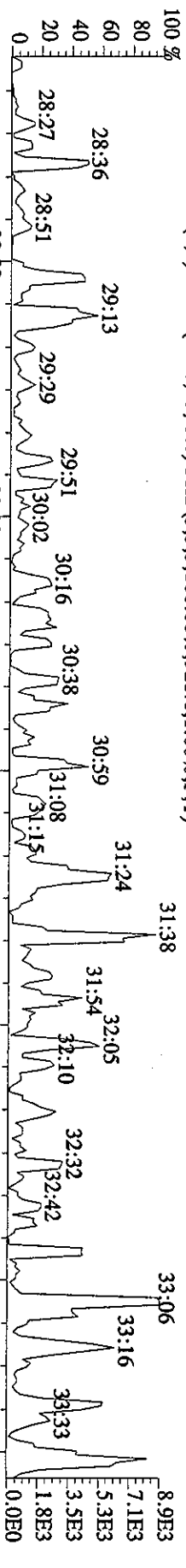
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6484,0,1.00%,F,T)



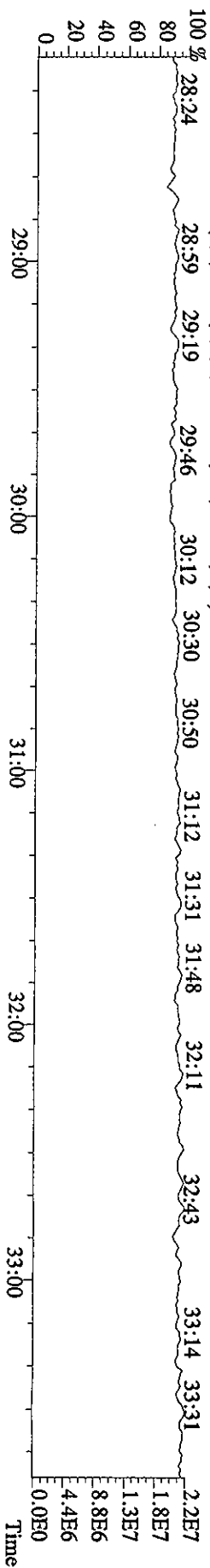
375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7516,0,1.00%,F,T)

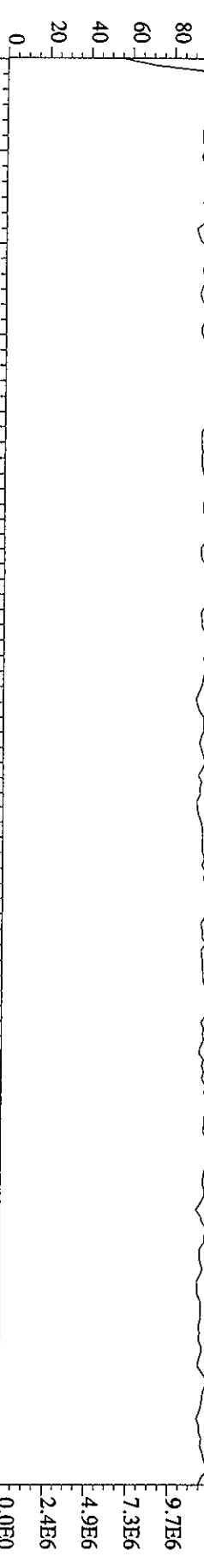


445.7555 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,928,0,1.00%,F,T)

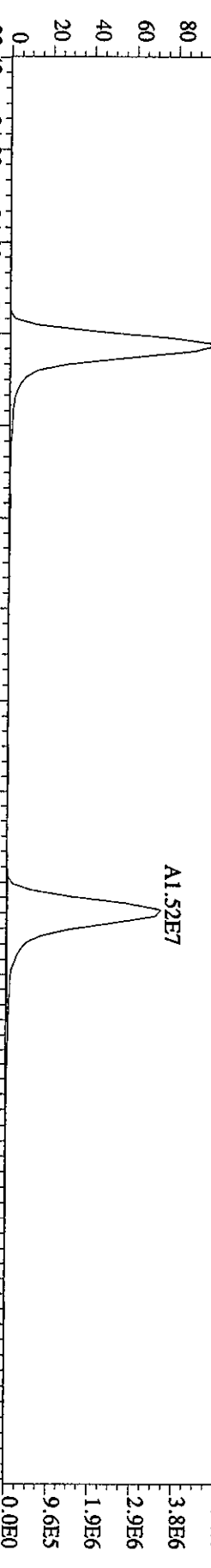


380.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

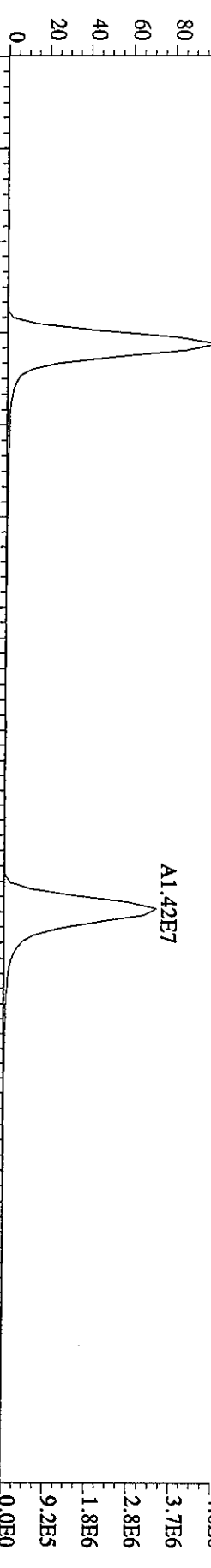




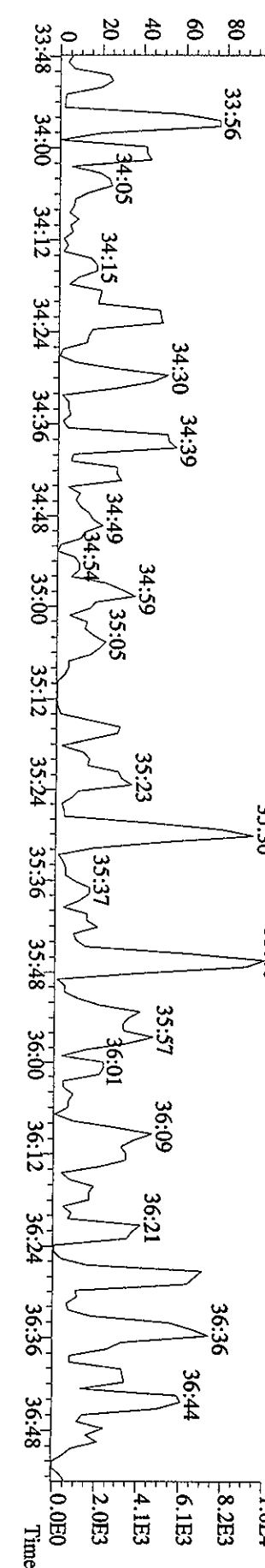
407.7818 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7076.0,1.00%,F,T)



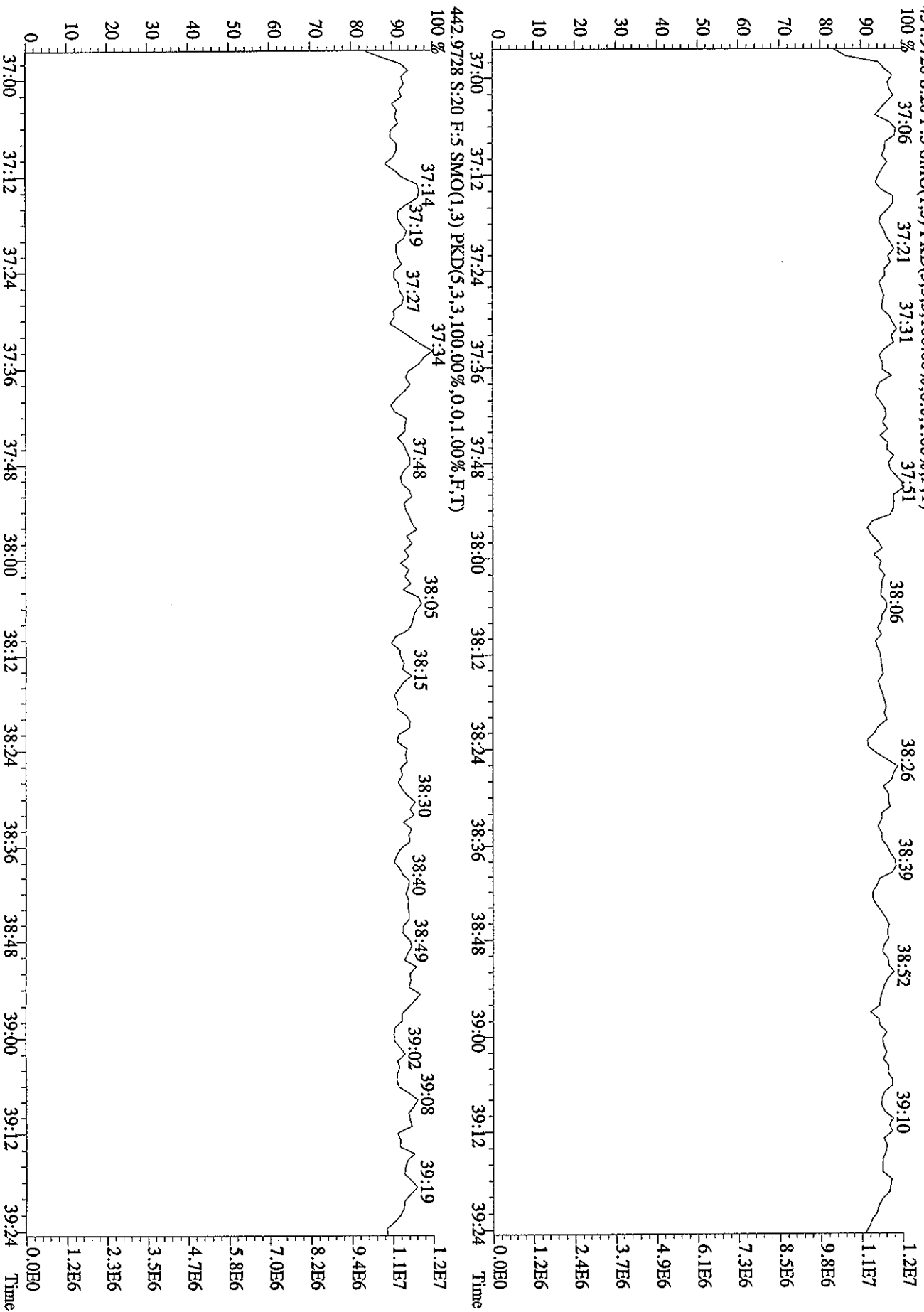
409.7789 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3284.0,1.00%,F,T)



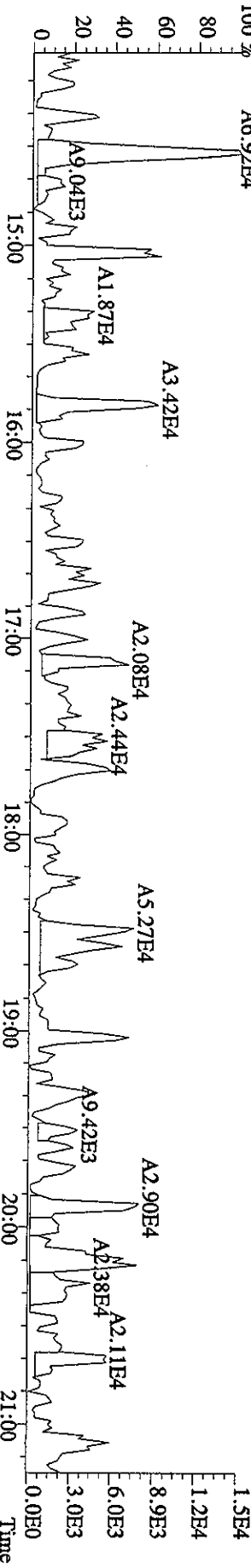
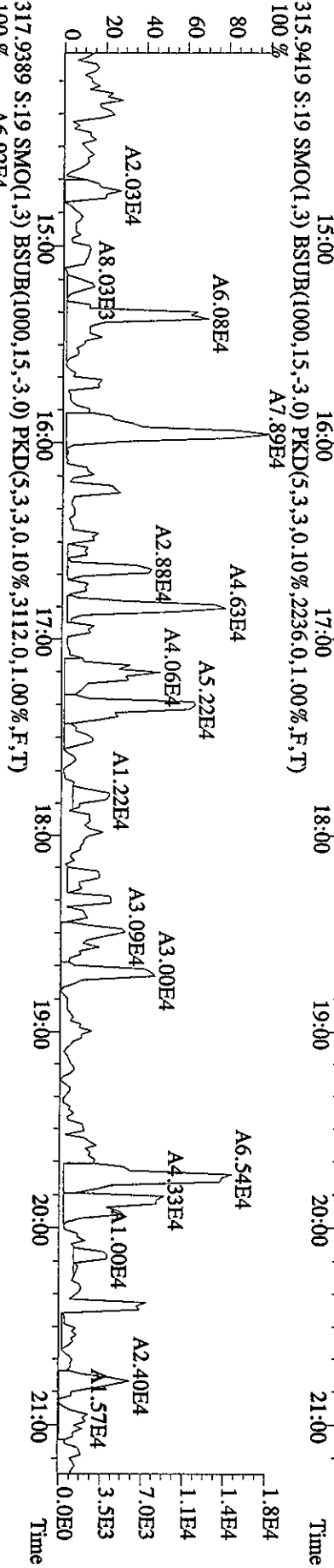
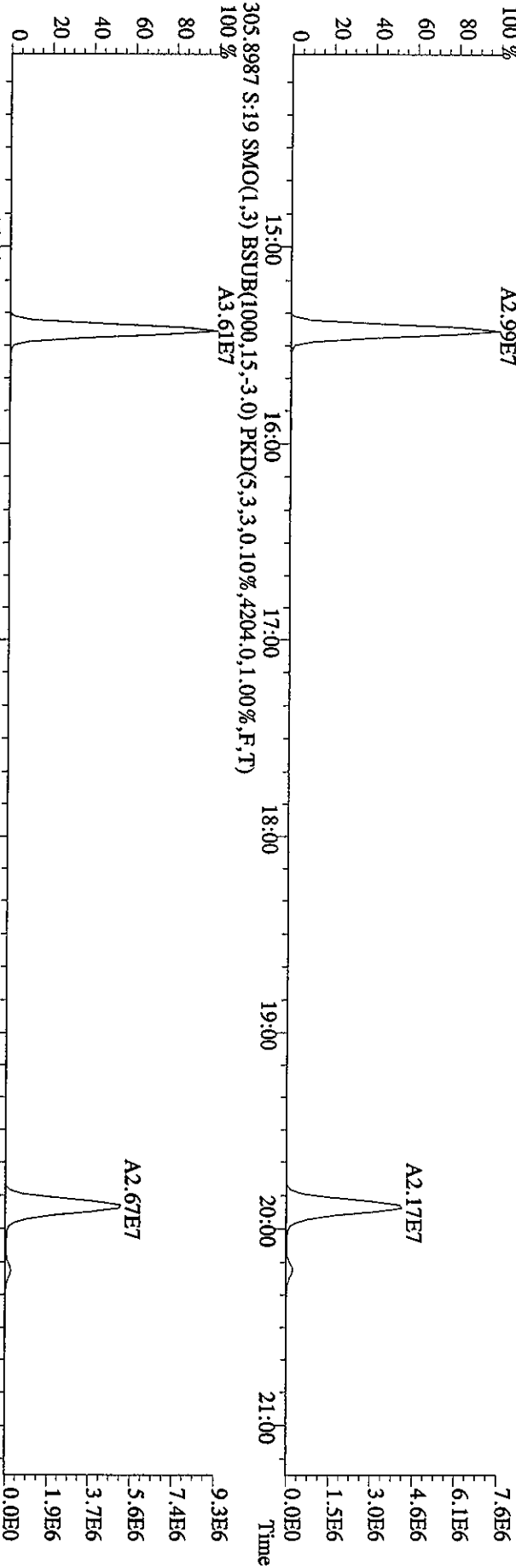
479.7165 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2012.0,1.00%,F,T)



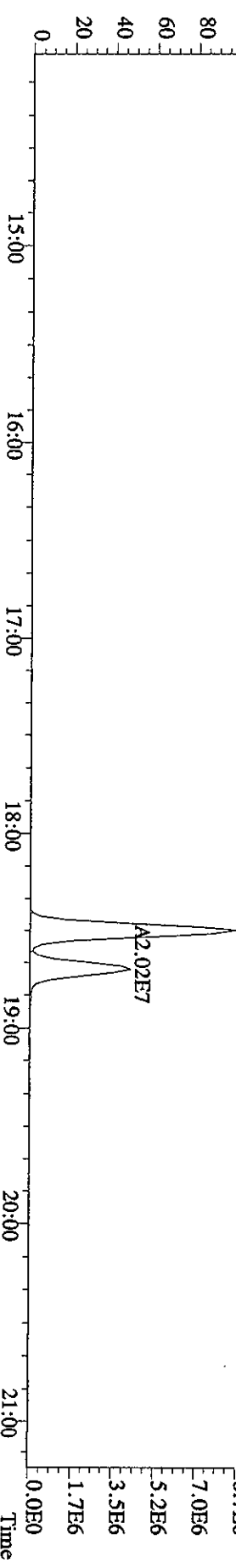
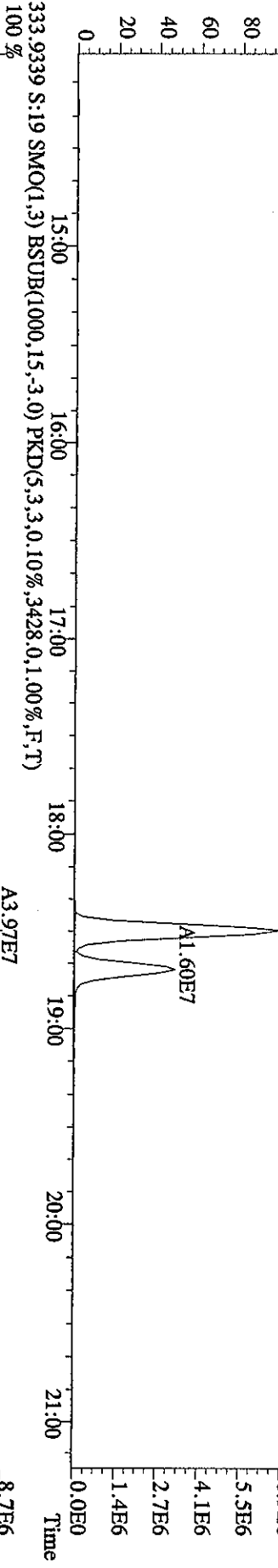
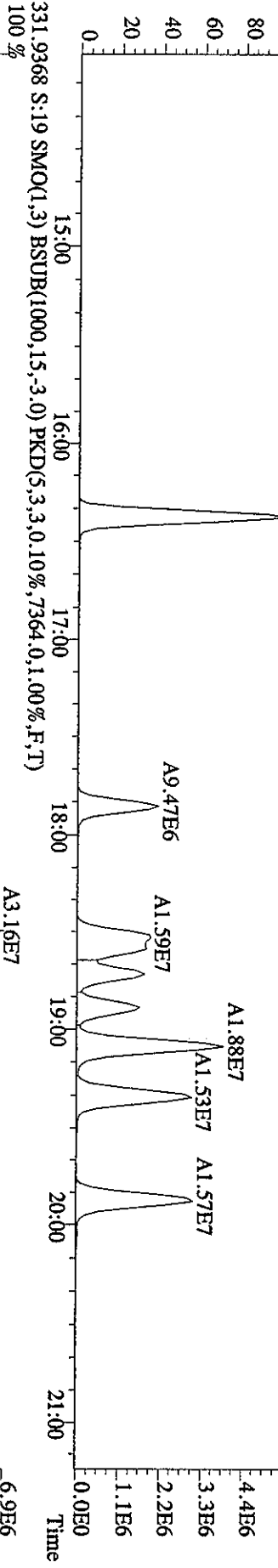
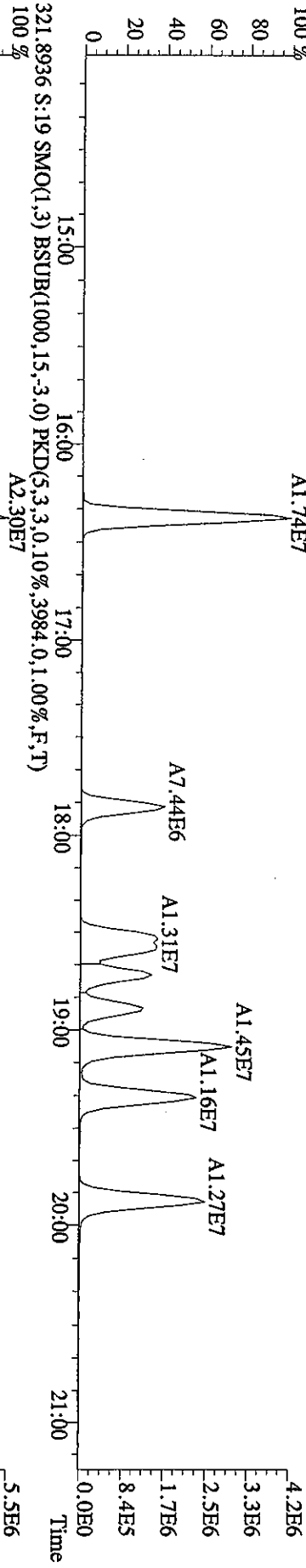
File: 20MR061D5 #1-179 Acq: 20-MAR-2006 23:44:32 GC EI + Voltage SIR 70SE
 Sample# 20 Text: ST0320A : CS3 2565-41C Exp: DIOXIN
 454.9728 S: 20 F: 5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



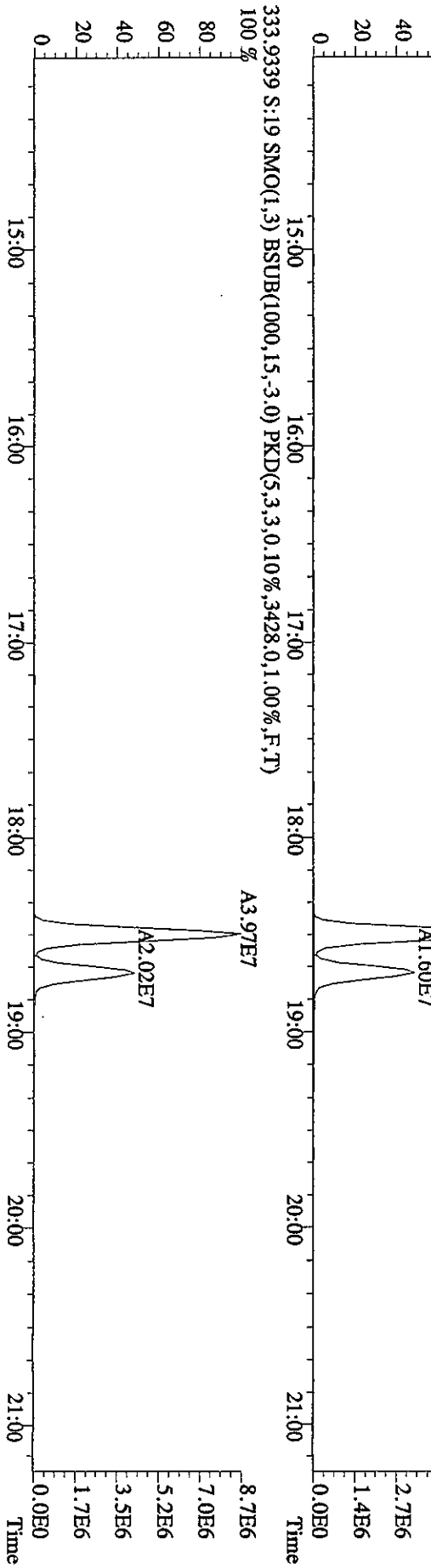
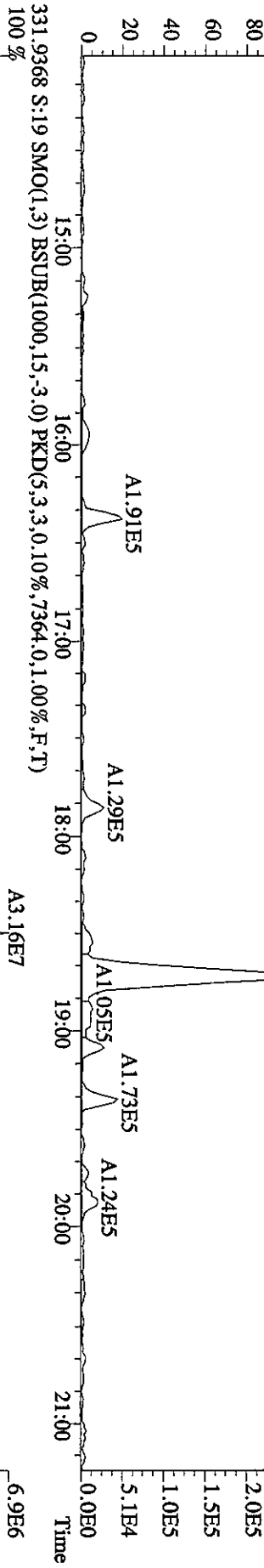
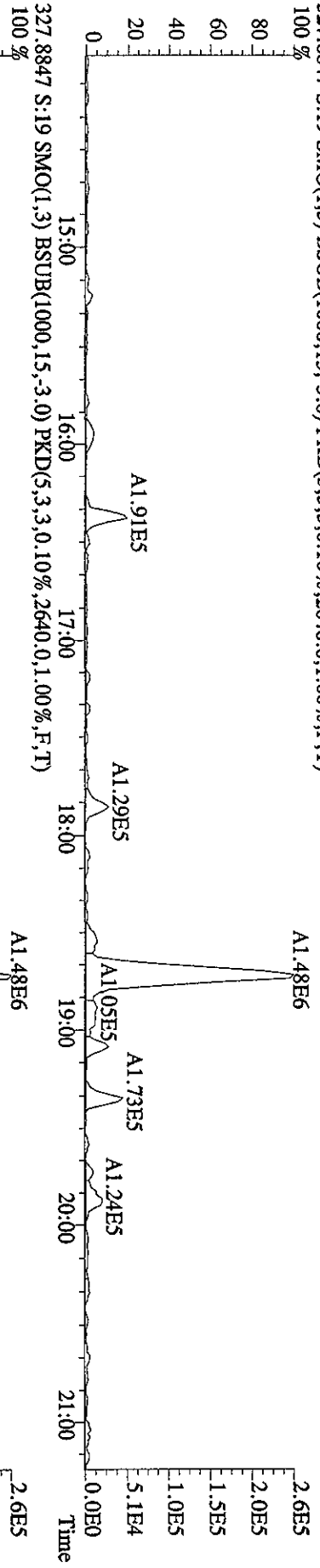
File:20MR061D5 #1-393 Acq:20-MAR-2006 23:02:54 GC EI + Voltage SIR 70SE
 Sample#19 Text:CP0320A :DB-5 CP5M 2565-47 Exp.:DIOXIN
 303.9016 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2280,0,1,00%,F,T)
 100%



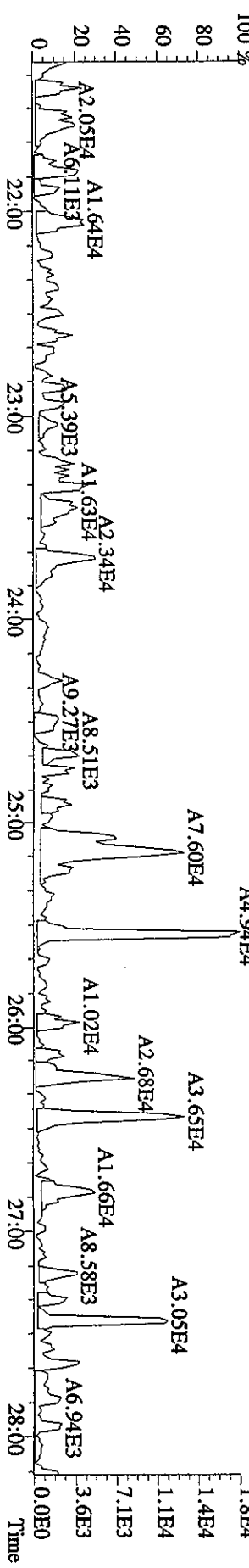
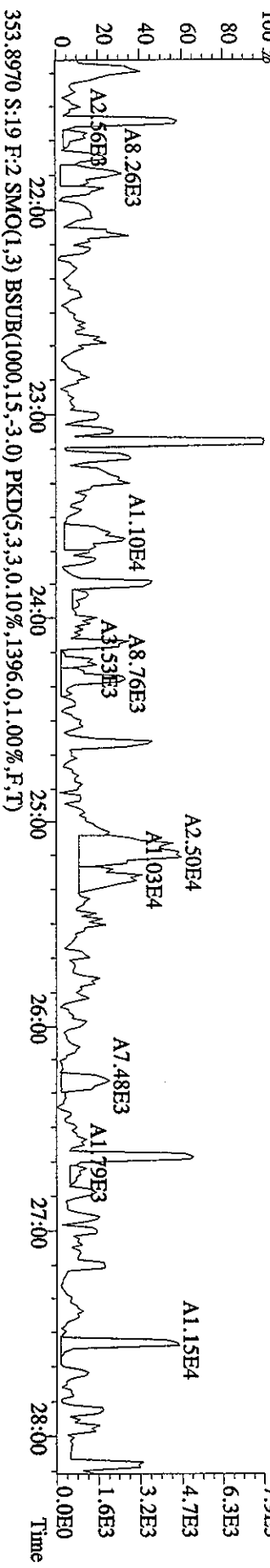
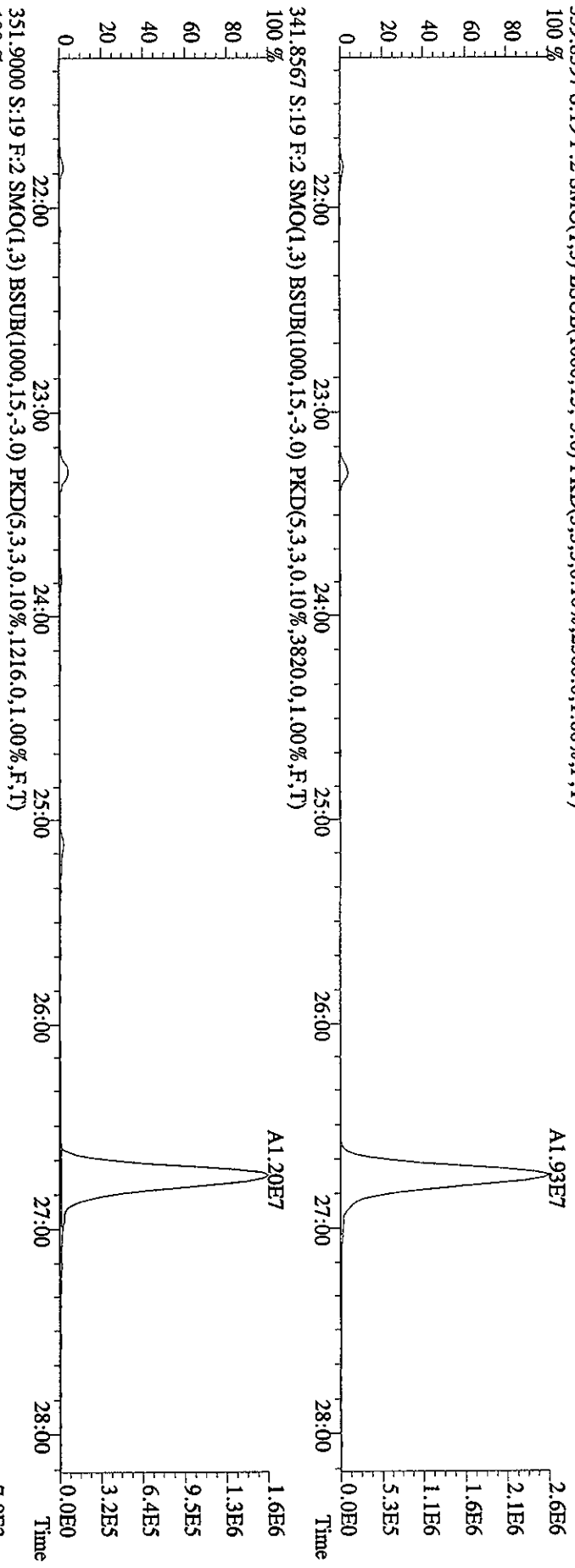
File: 20MR061D5 #1-393 Acq: 20-MAR-2006 23:02:54 GC EI + Voltage SIR 70SE
 Sample#19 Text: CP0320A .DB-5 CP5M 2565-47 Exp: DIOXIN
 319.8965 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3160,0,1,00%,F,T)
 100%



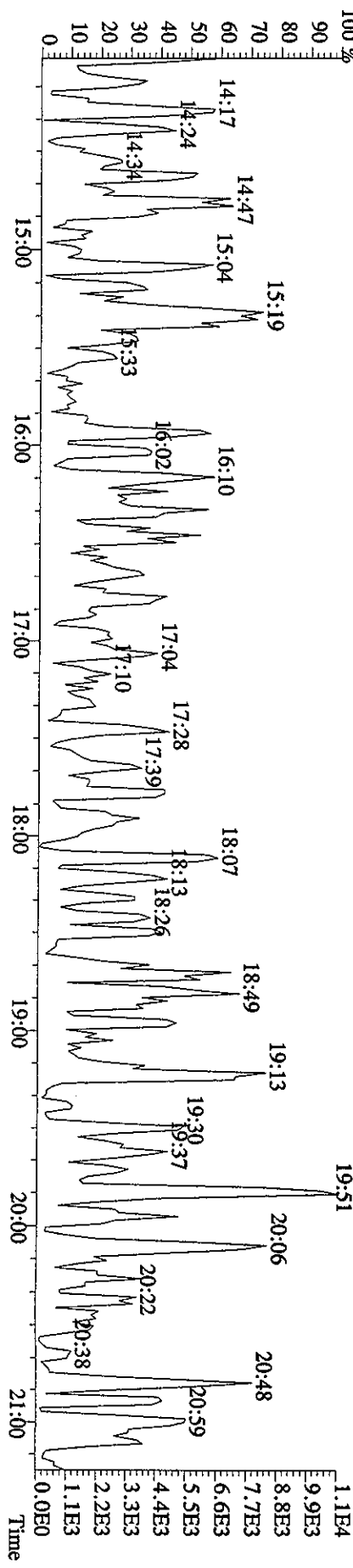
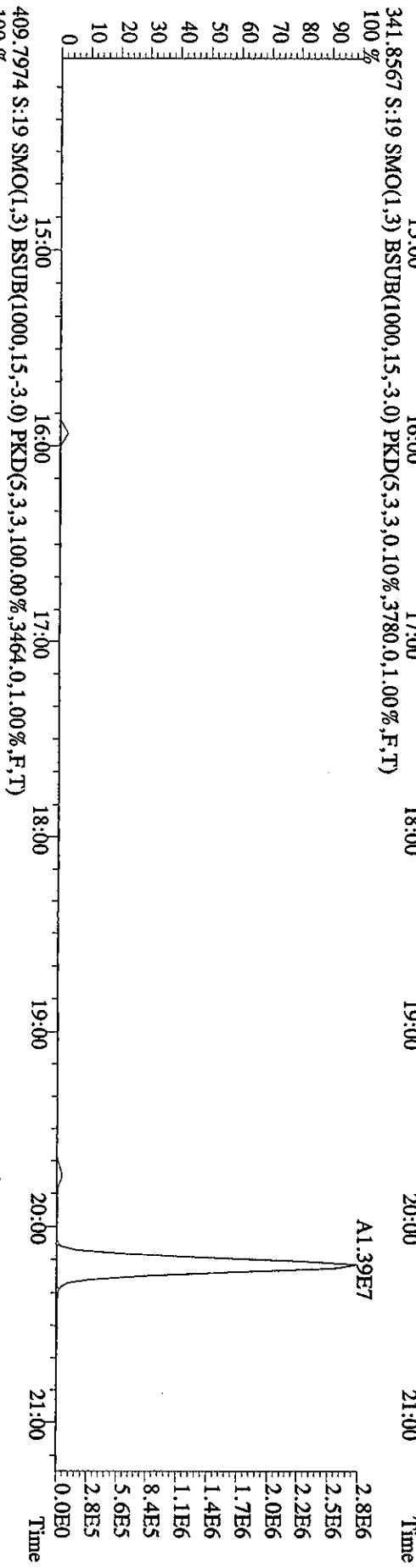
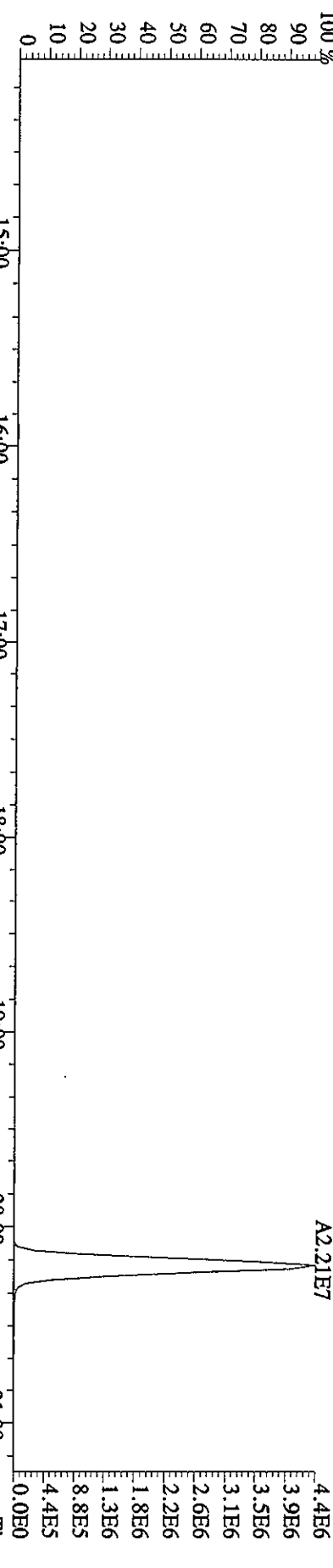
File: 20MR061D5 #1-393 Acq: 20-MAR-2006 23:02:54 GC EI + Voltage SIR 70SE
 Sample#19 Text: CP0320A .DB-5 CP5M 2565-47 Exp: DIOXIN
 327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2640,0,1,00%,F,T)



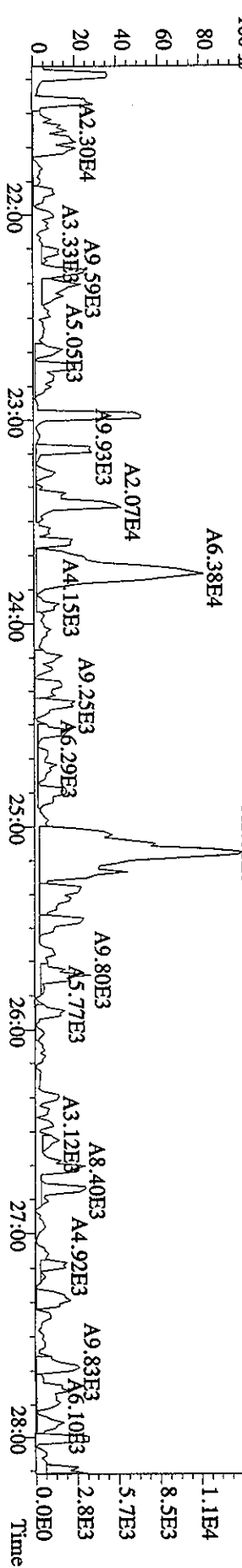
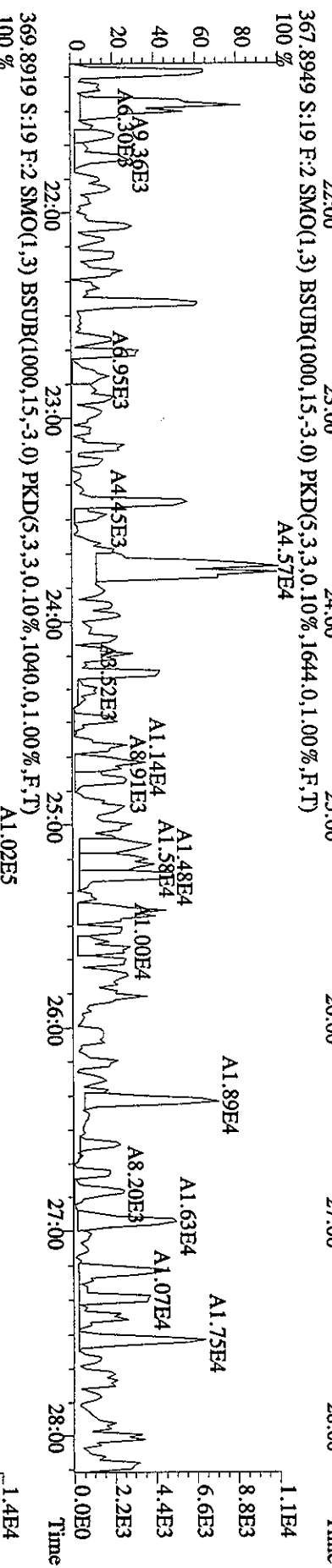
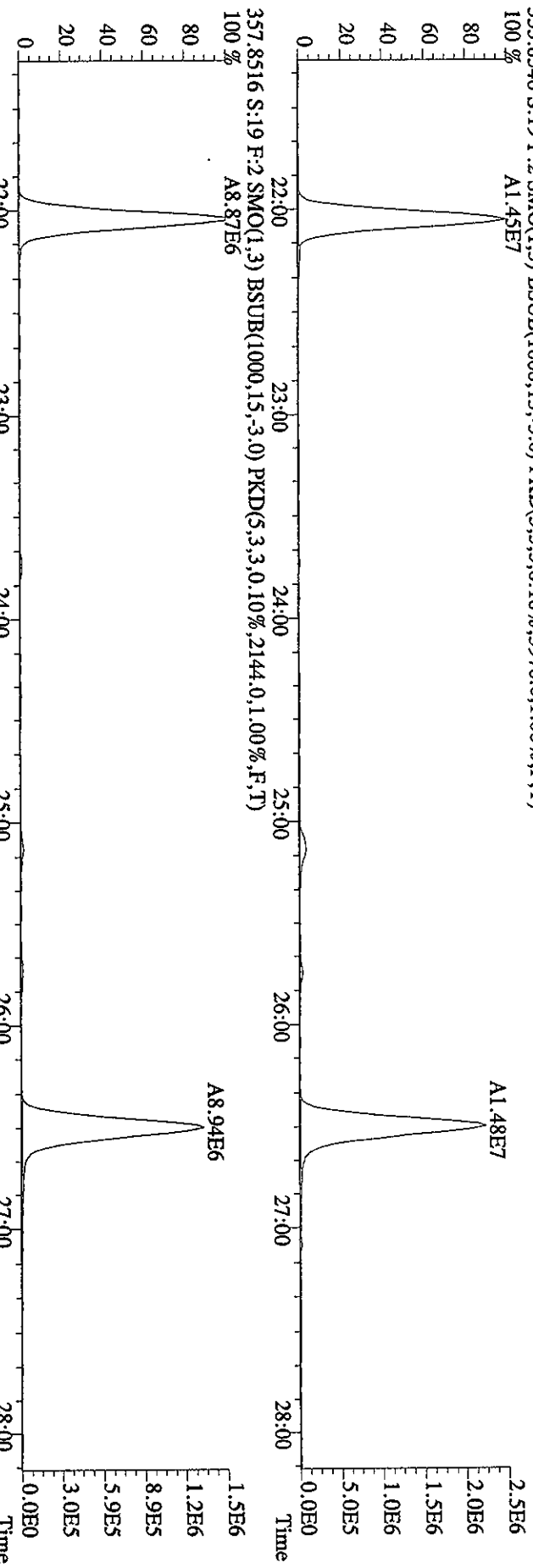
File:20MR061D5 #1-487 Acq:20-MAR-2006 23:02:54 GC EI+ Voltage SIR 70SE
 Sample#19 Text:CP0320A :DB-5 CPSM 2565-47 Exp:DIOXIN
 339,8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2500,0,1.00%,F,T)



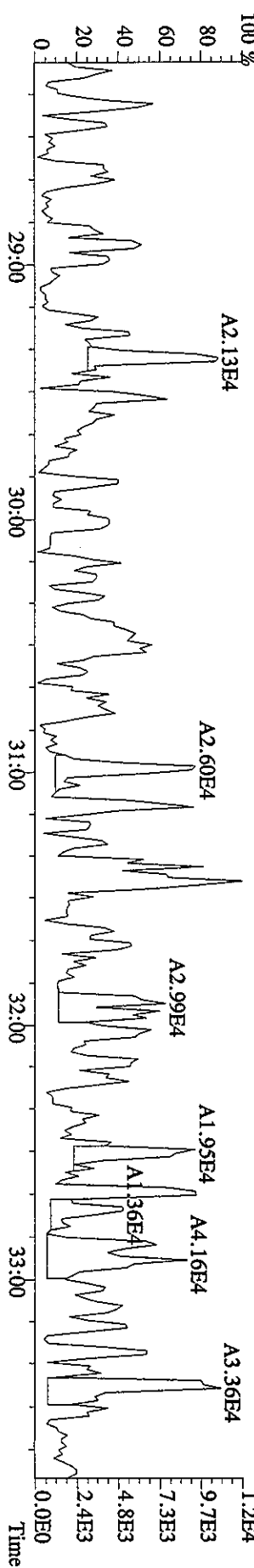
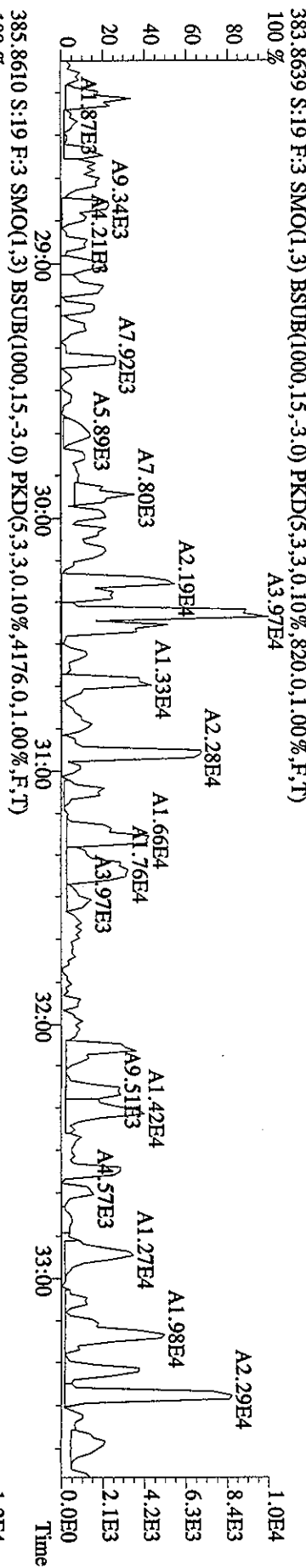
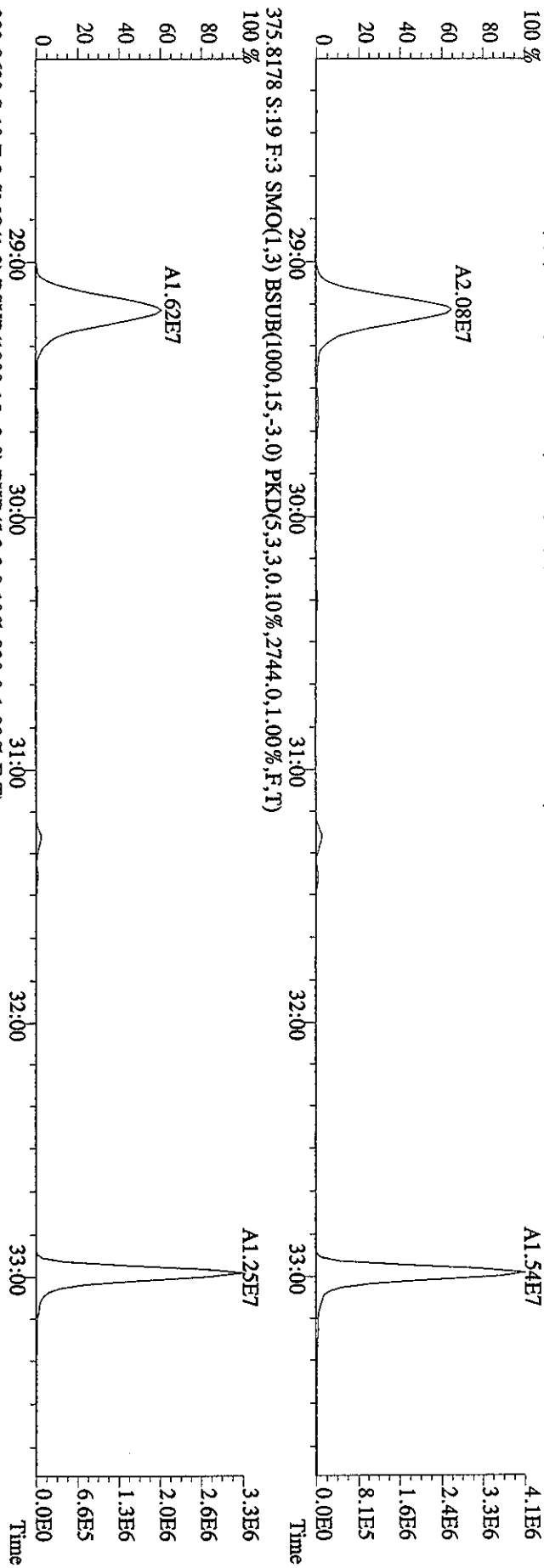
File: 20MR061D5 #1-393 Acq: 20-MAR-2006 23:02:54 GC EI + Voltage SIR 70SE
 Sample#19 Text: CP0320A .IDB-5 CP5M 2565-47 Exp: DIOXIN
 339,8597 S:19 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1648,0,1,00%,F,T)



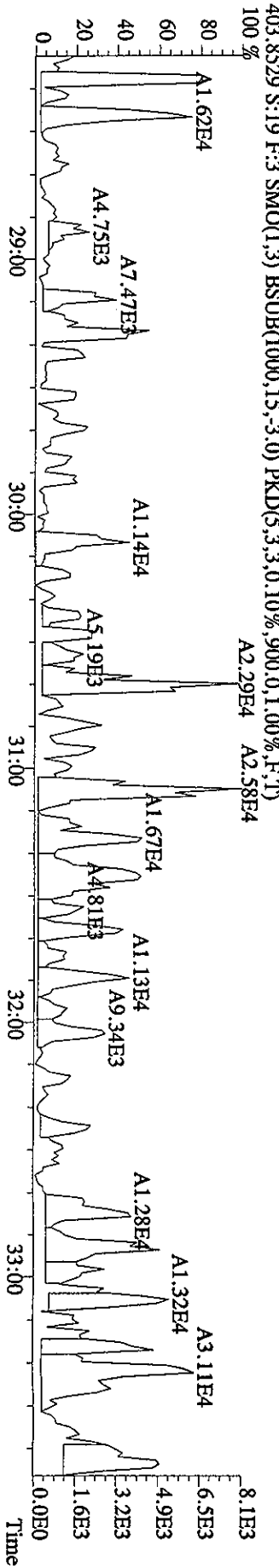
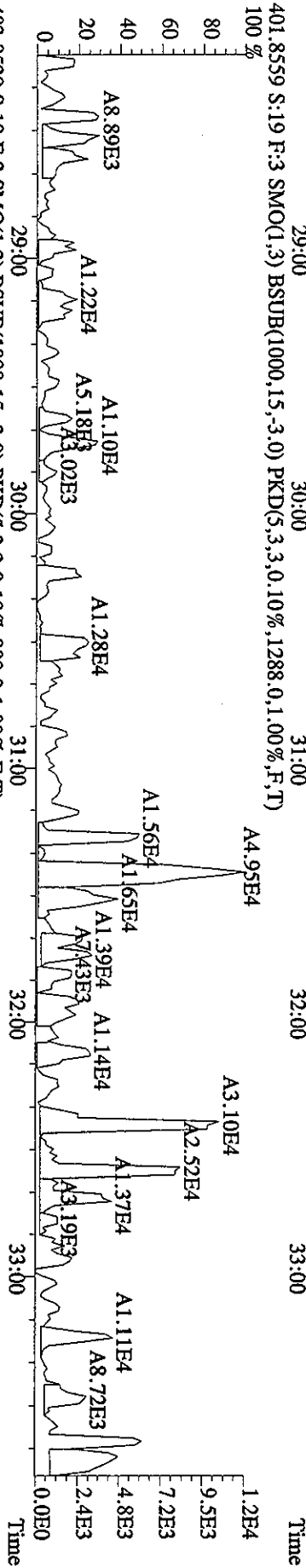
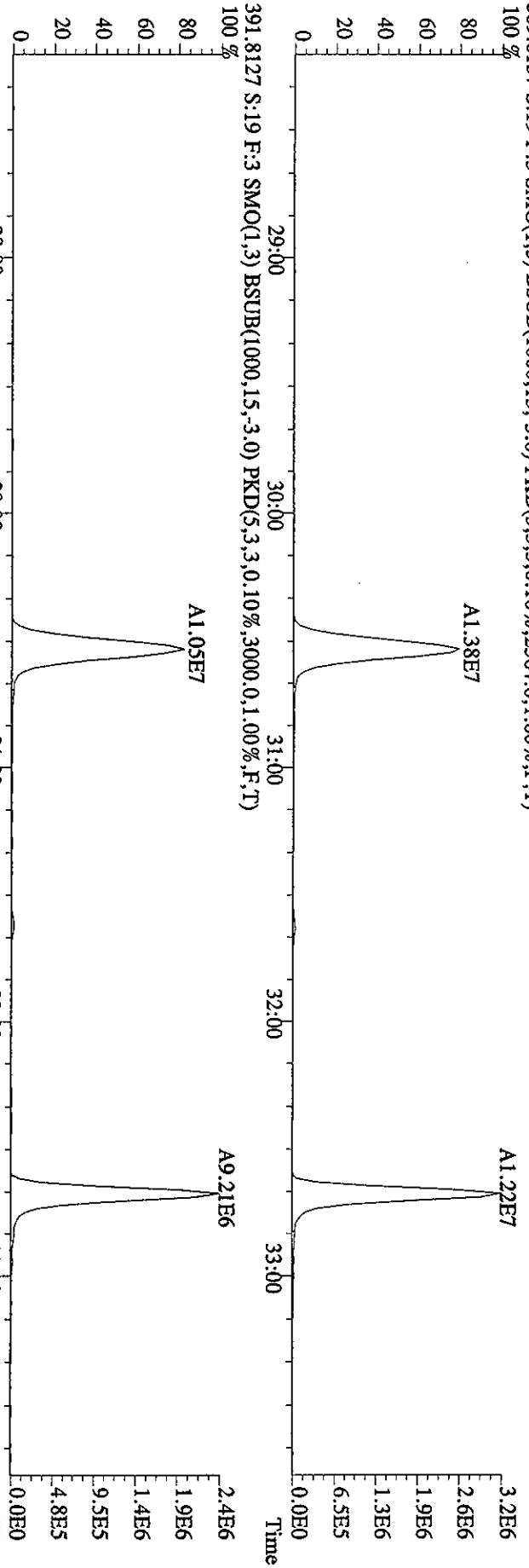
File: 20MR061D5 #1-487 Acq: 20-MAR-2006 23:02:54 GC EI + Voltage SIR 70SE
 Sample#19 Text: CP0320A :DB-5 CP5M 2565-47 Exp.: DIOXIN
 357.8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5976,0,1.00%,F,T)

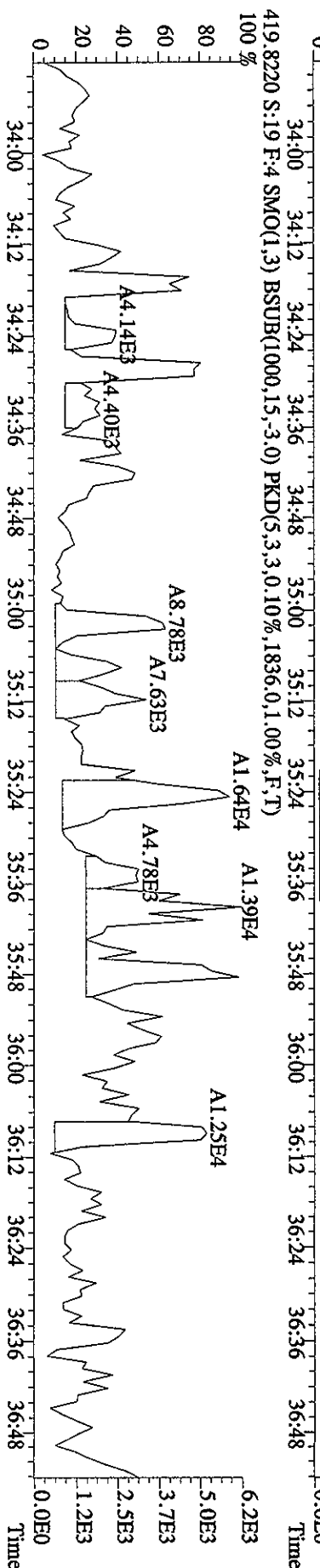
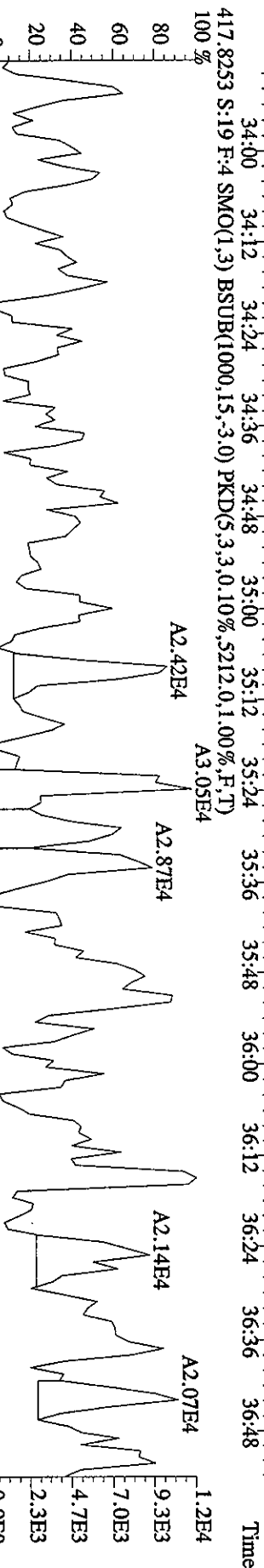
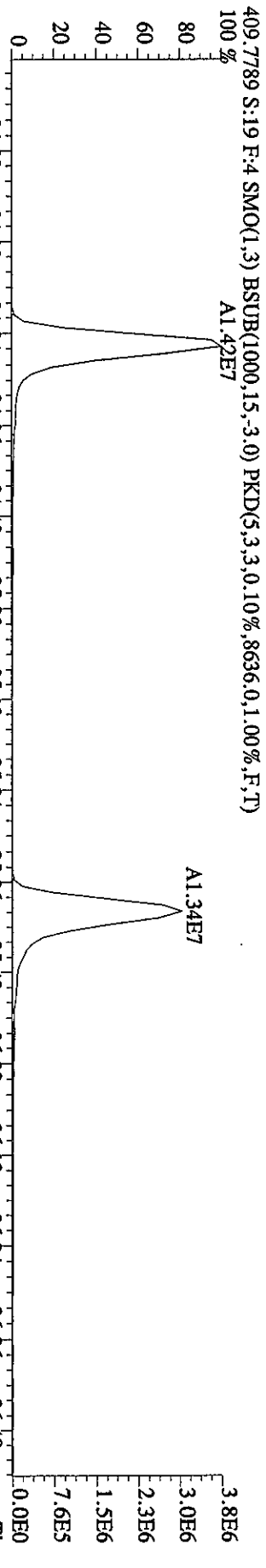
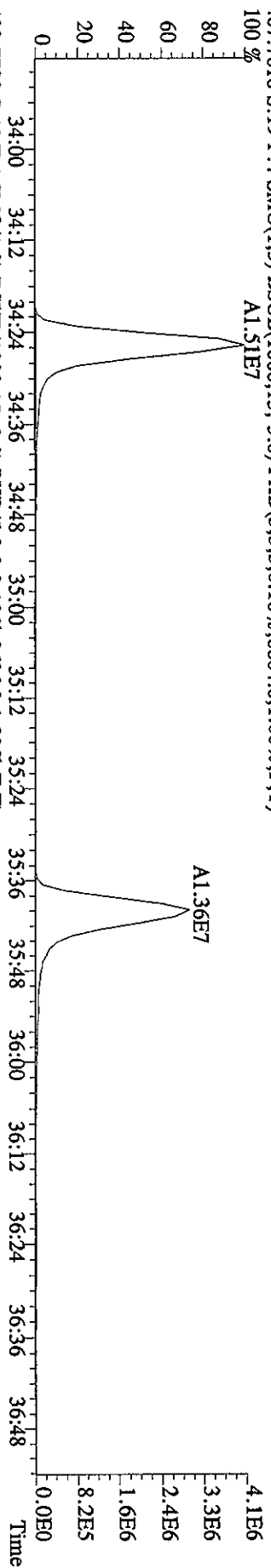


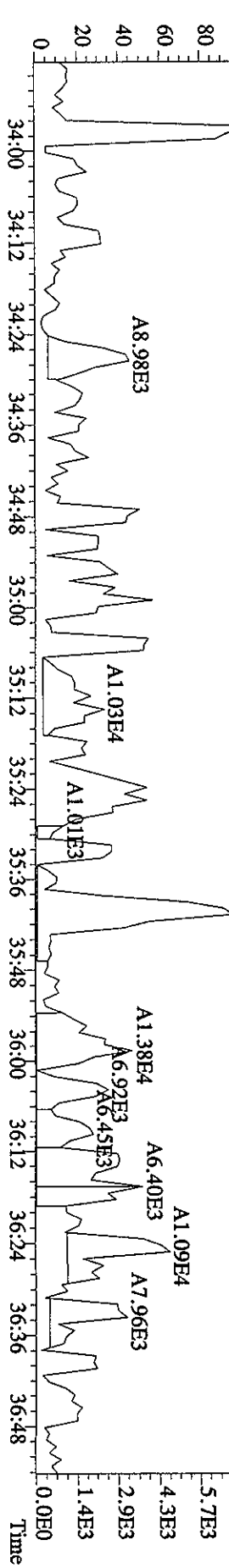
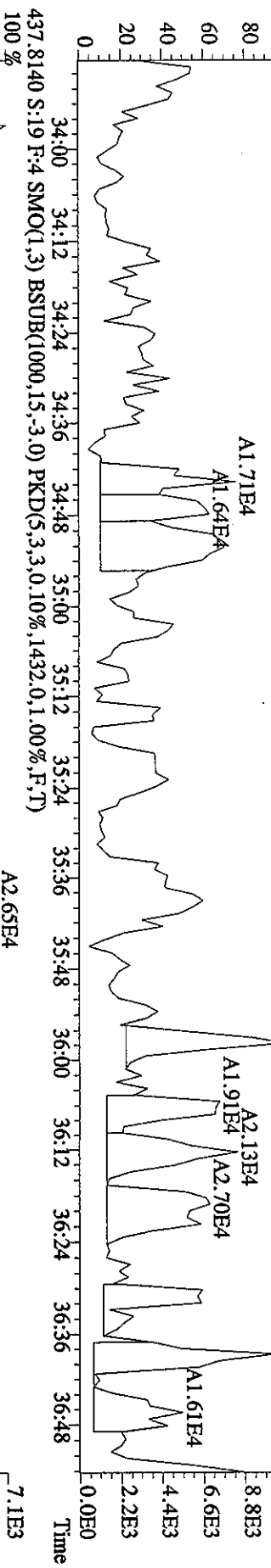
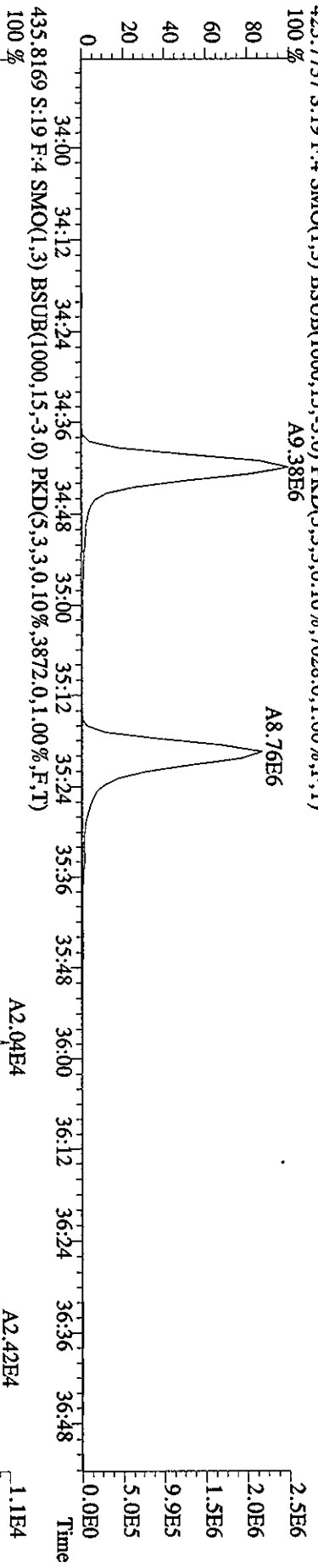
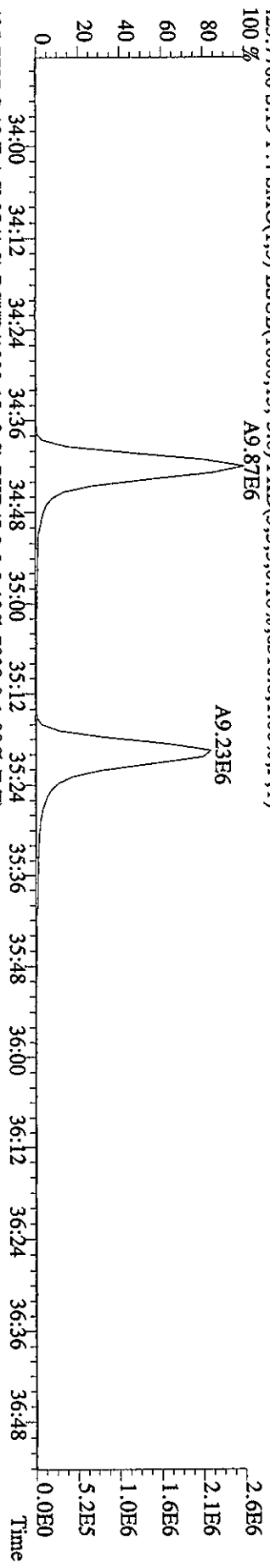
File:20MR061D5 #1-375 Acq:20-MAR-2006 23:02:54 GC EI+ Voltage SIR 70SE
 Sample#19 Text:CP0320A :DB-5 CP5M 2565-47 Exp:DIOXIN
 373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7360,0.1,00%,F,T)



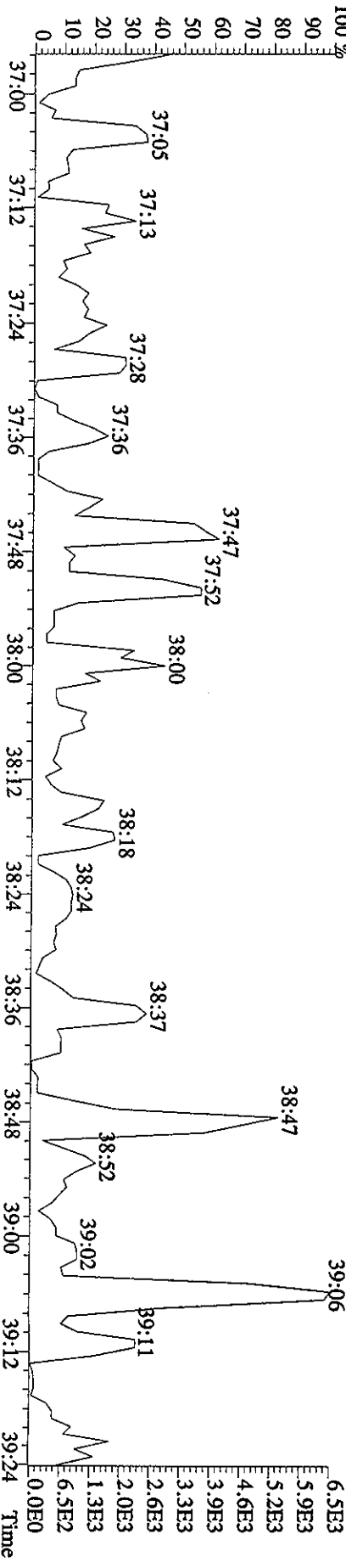
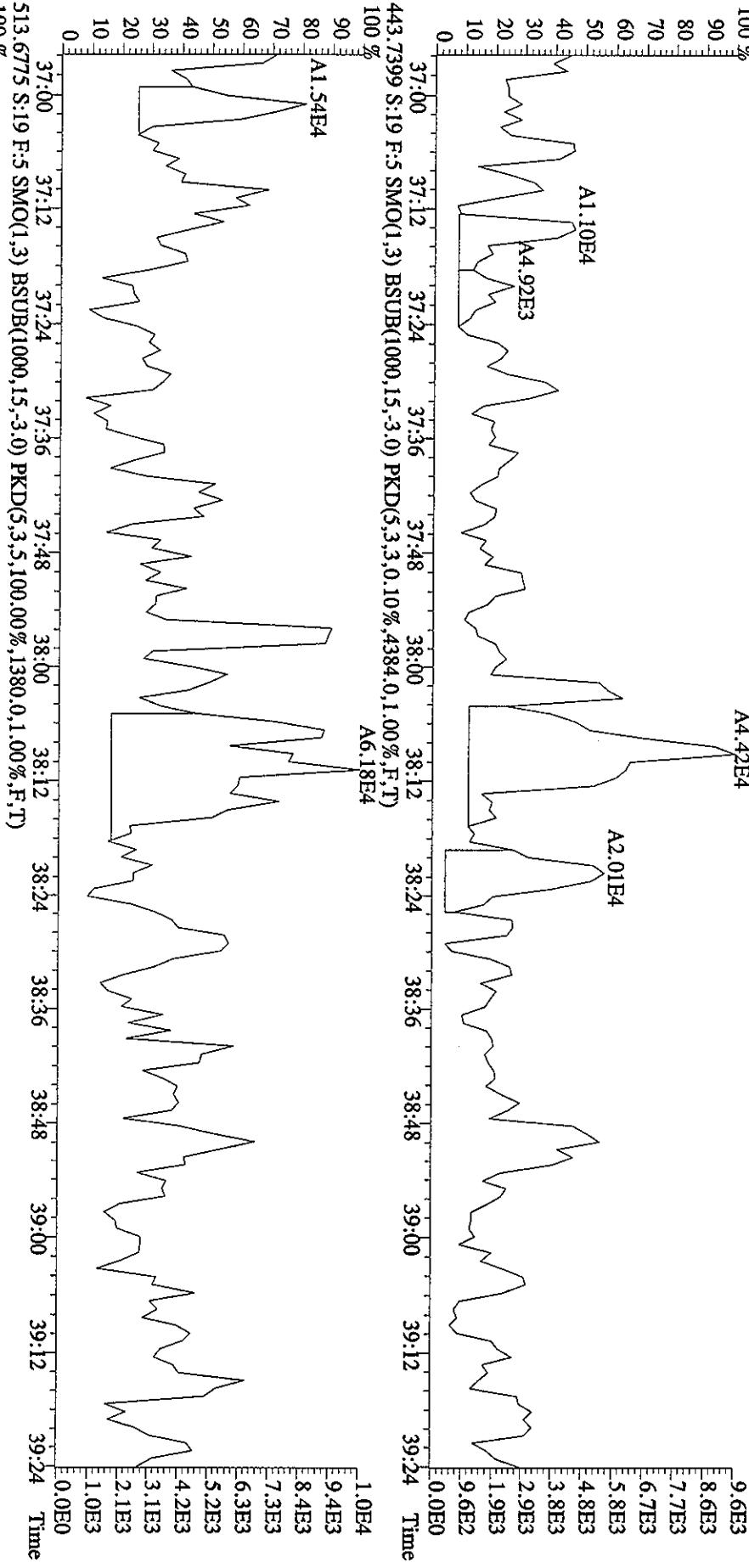
File:20MR061D5 #1-375 Acq:20-MAR-2006 23:02:54 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0320A :DB-5 CPSM 2565.47 Exp:DIOXIN
389.8157 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2564,0.1,00%,F,T)



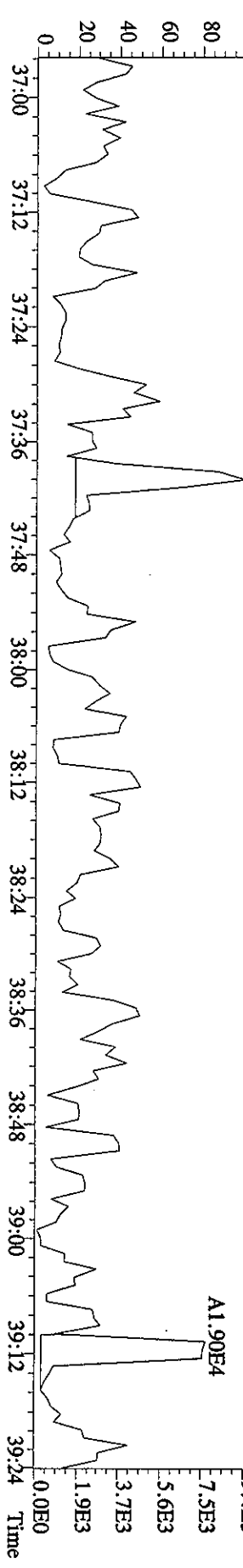
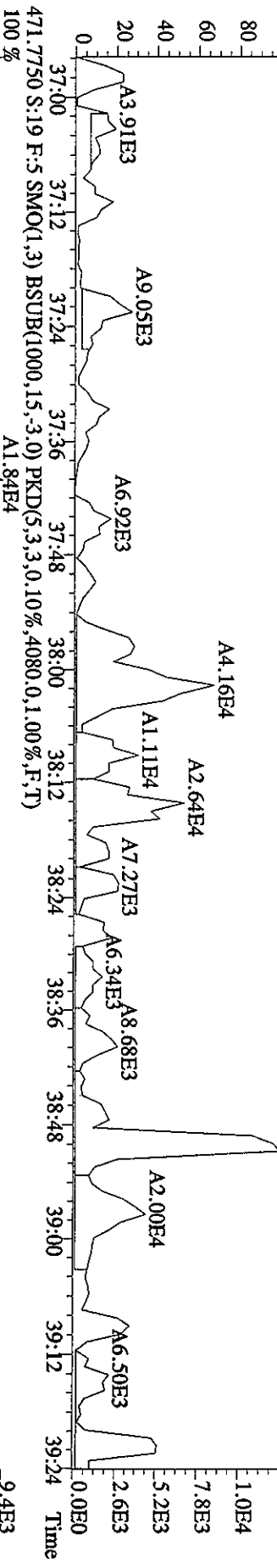
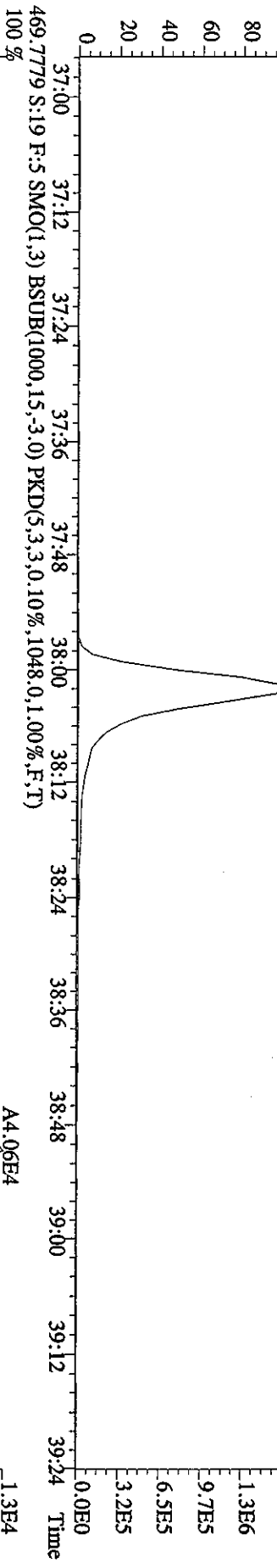
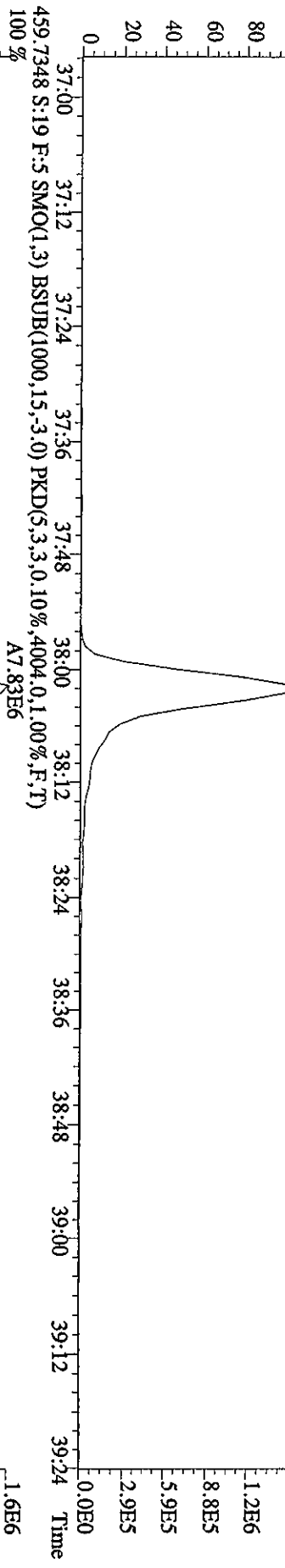




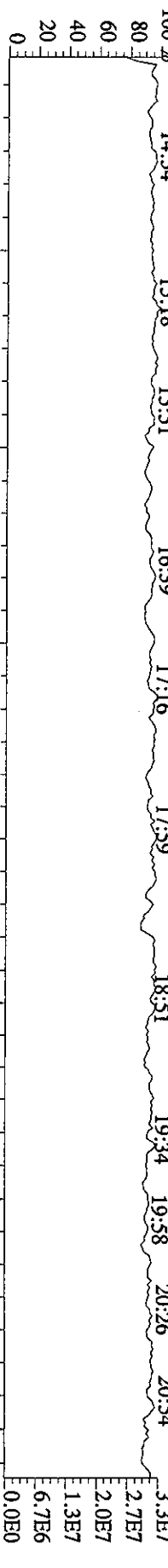
Sample#19 Text: CP0320A :DB-5 CPSM 2565-47 Exp: DIOXIN
 441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2472.0,1.00%,F,T)
 100%



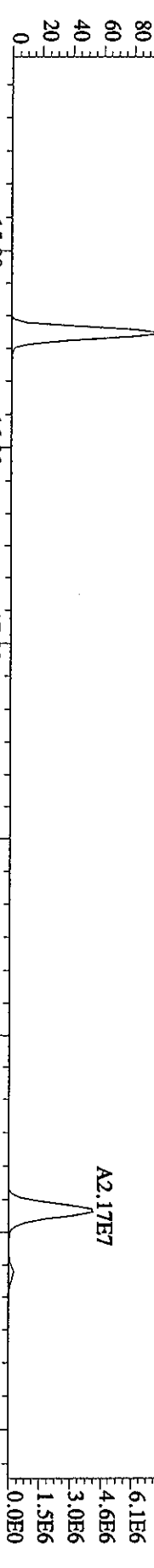
File:20MR061D5 #1-179 Acq:20-MAR-2006 23:02:54 GC EI + Voltage SIR 70SE
 Sample#19 Text:CP0320A :DB-5 CPSM 2565-47 Exp:DIOXIN
 457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896,0.1,0.00%,F,T)



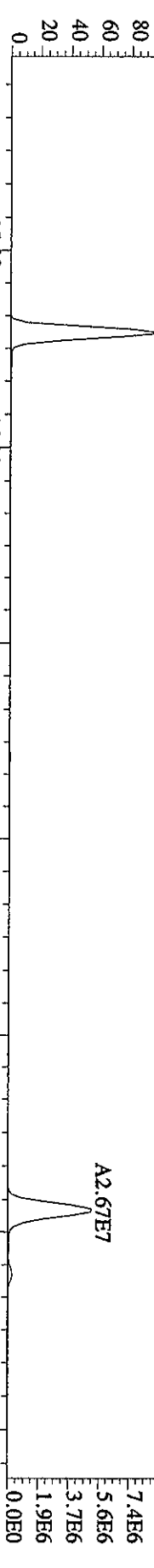
File: 20MR061D5 #1-393 Acq: 20-MAR-2006 23:02:54 GC: EI + Voltage SIR 70SE
 Sample#19 Text: CP0320A :DB-5 CP5M 2565-47 Exp: DIOXIN
 292.9825 S:19 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



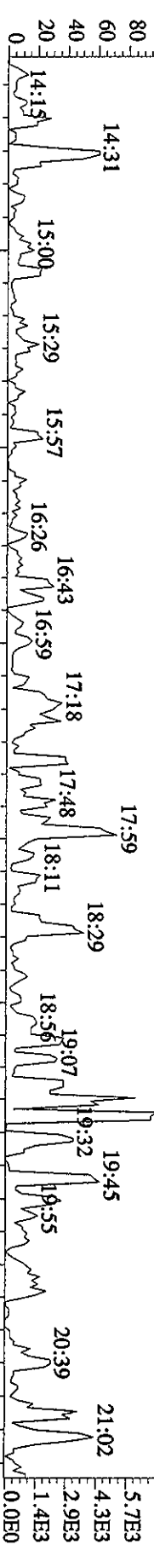
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2280,0,1.00%,F,T)
 A2.99E7



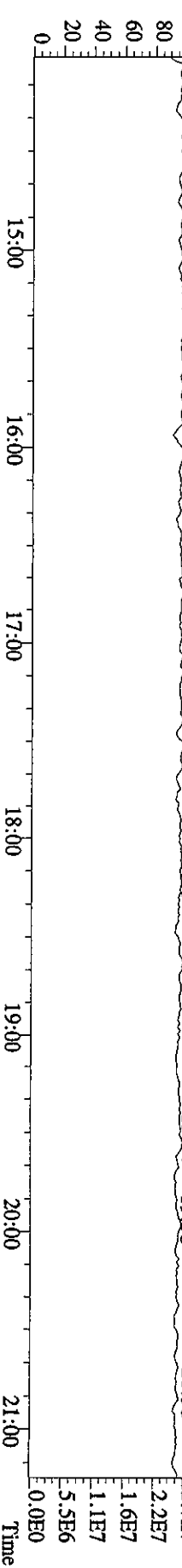
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4204,0,1.00%,F,T)
 A3.61E7

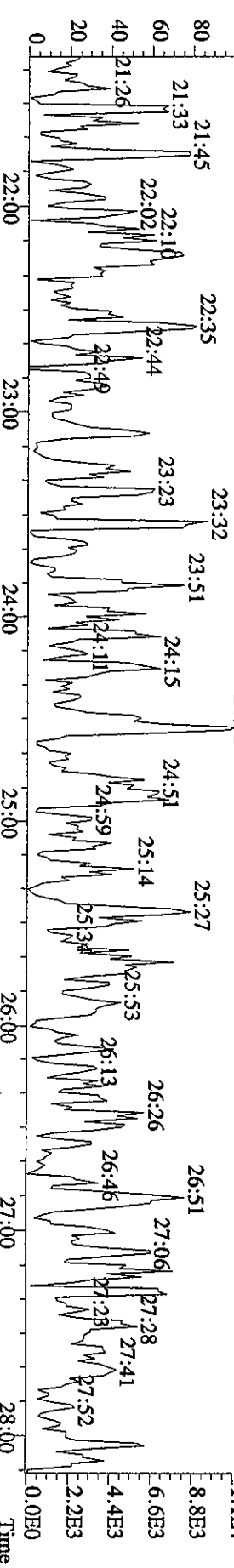
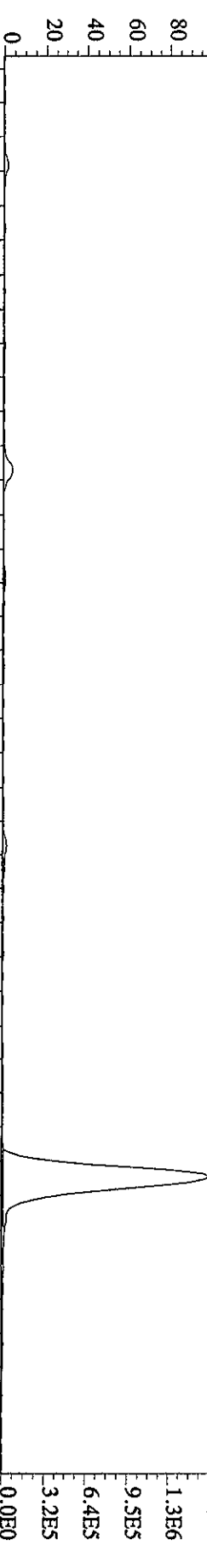
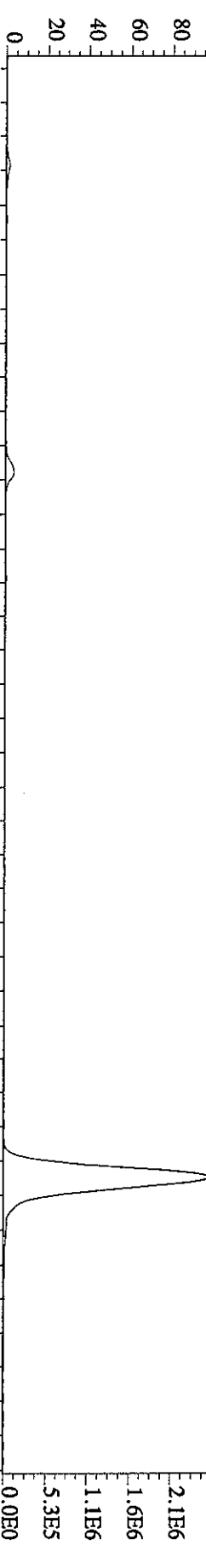
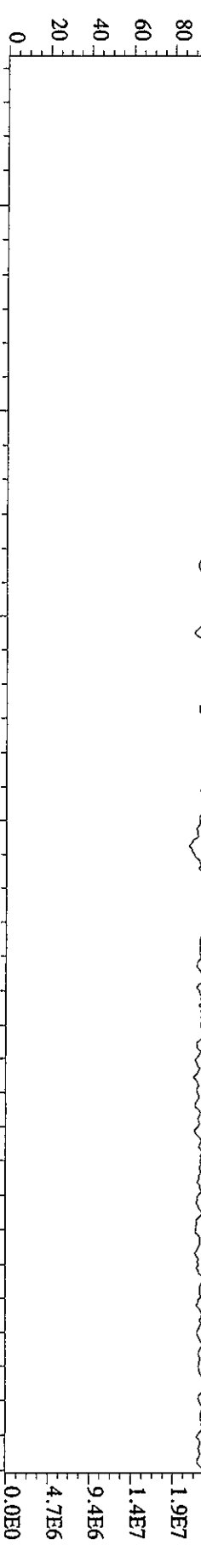


375.8364 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,636,0,1.00%,F,T)

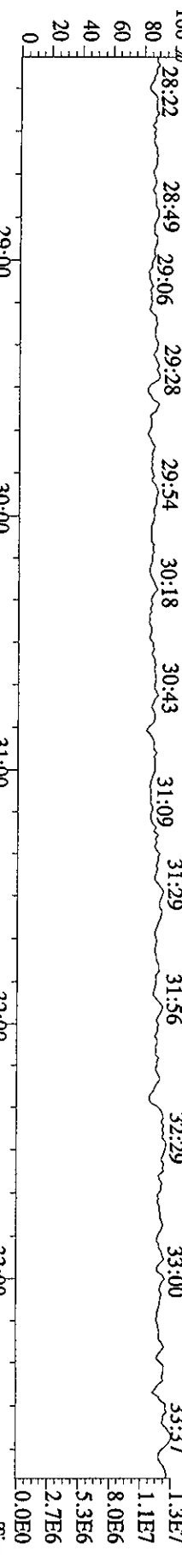


330.9792 S:19 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

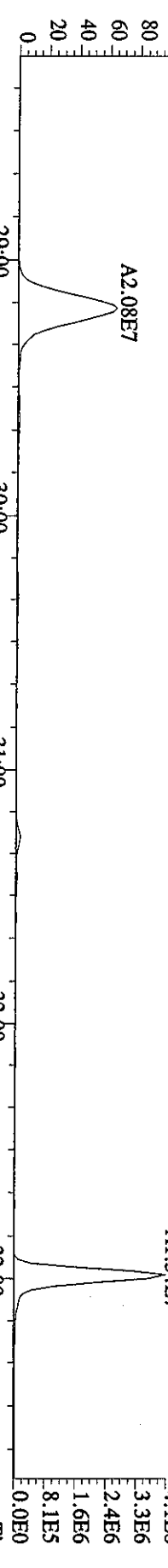




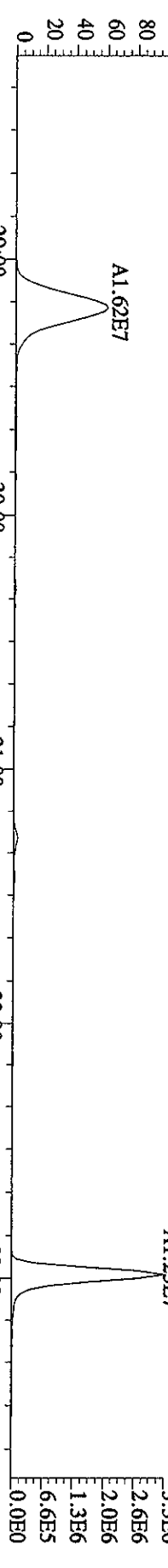
File: 20MR061D5 #1-375 Acq: 20-MAR-2006 23:02:54 GC EI+ Voltage SIR 70SE
 Sample#19 Text: CP0320A :DB-5 CP5M 2565-47 Exp.: DIOXIN
 392.9760 S:19 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 28:22 28:49 29:06 29:28 29:54 30:18 30:43 31:09 31:29 31:56 32:29 33:00 33:37



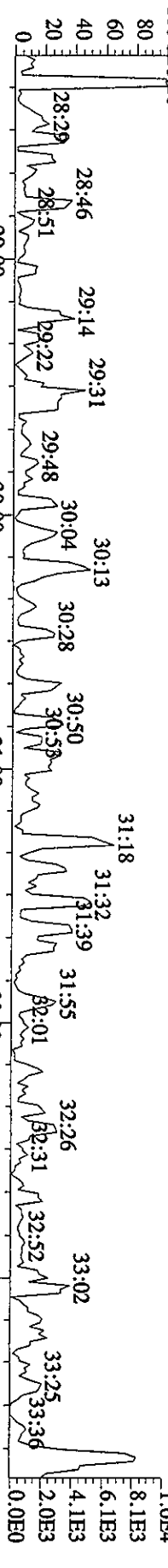
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7360,0.1,0.00%,F,T)
 100% 29:00 30:00 31:00 32:00 33:00



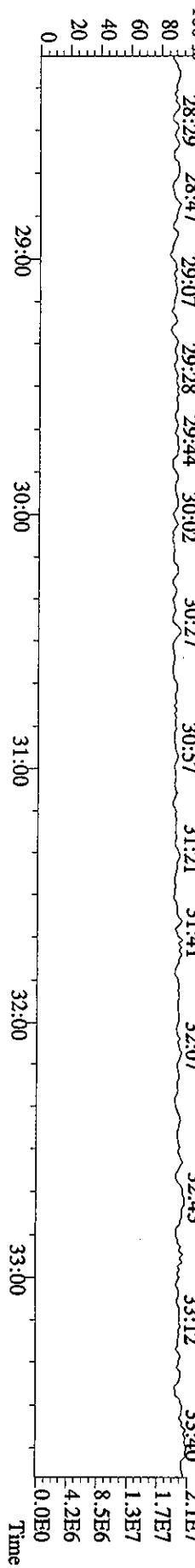
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2744,0.1,0.00%,F,T)
 100% 29:00 30:00 31:00 32:00 33:00

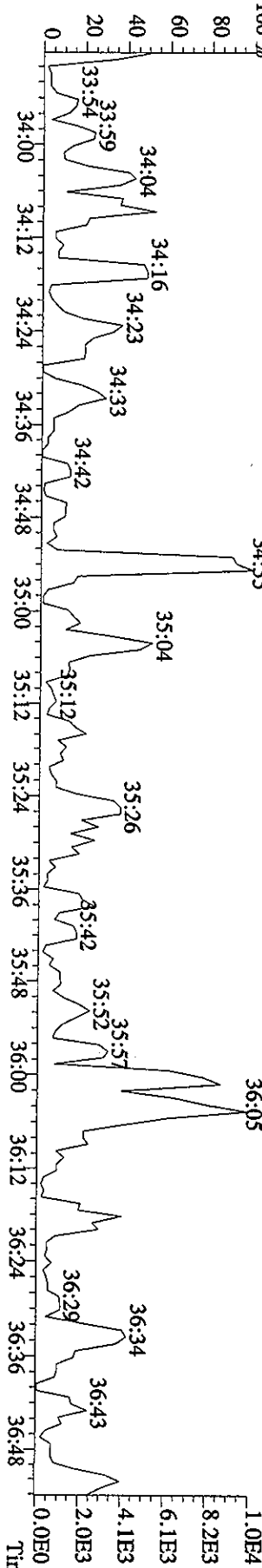
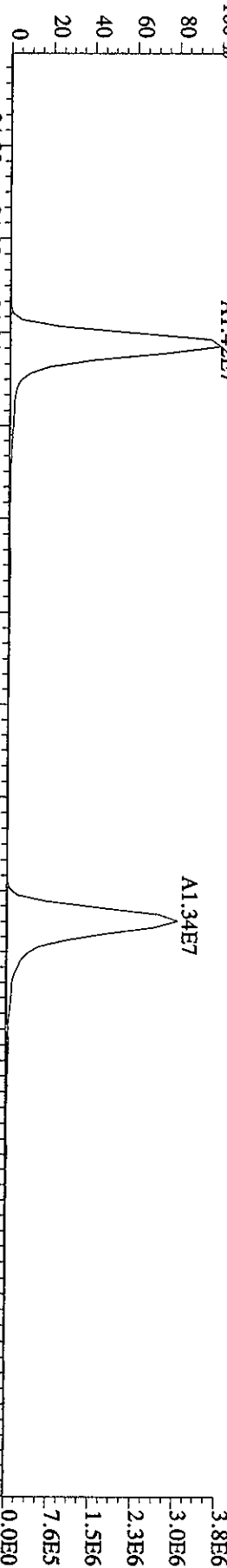
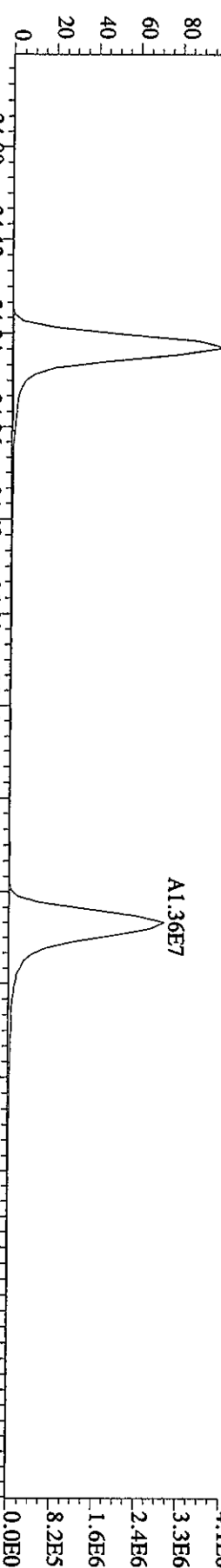
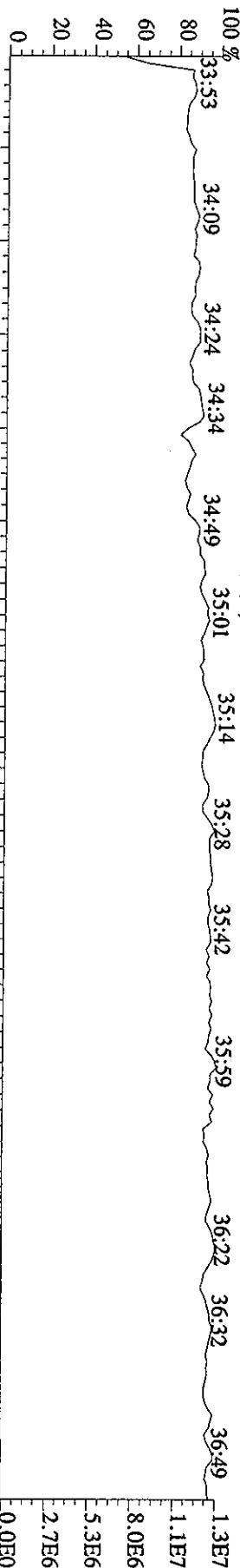


445.7555 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1180,0.1,0.00%,F,T)
 100% 28:20 29:00 30:00 31:00 32:00 33:00

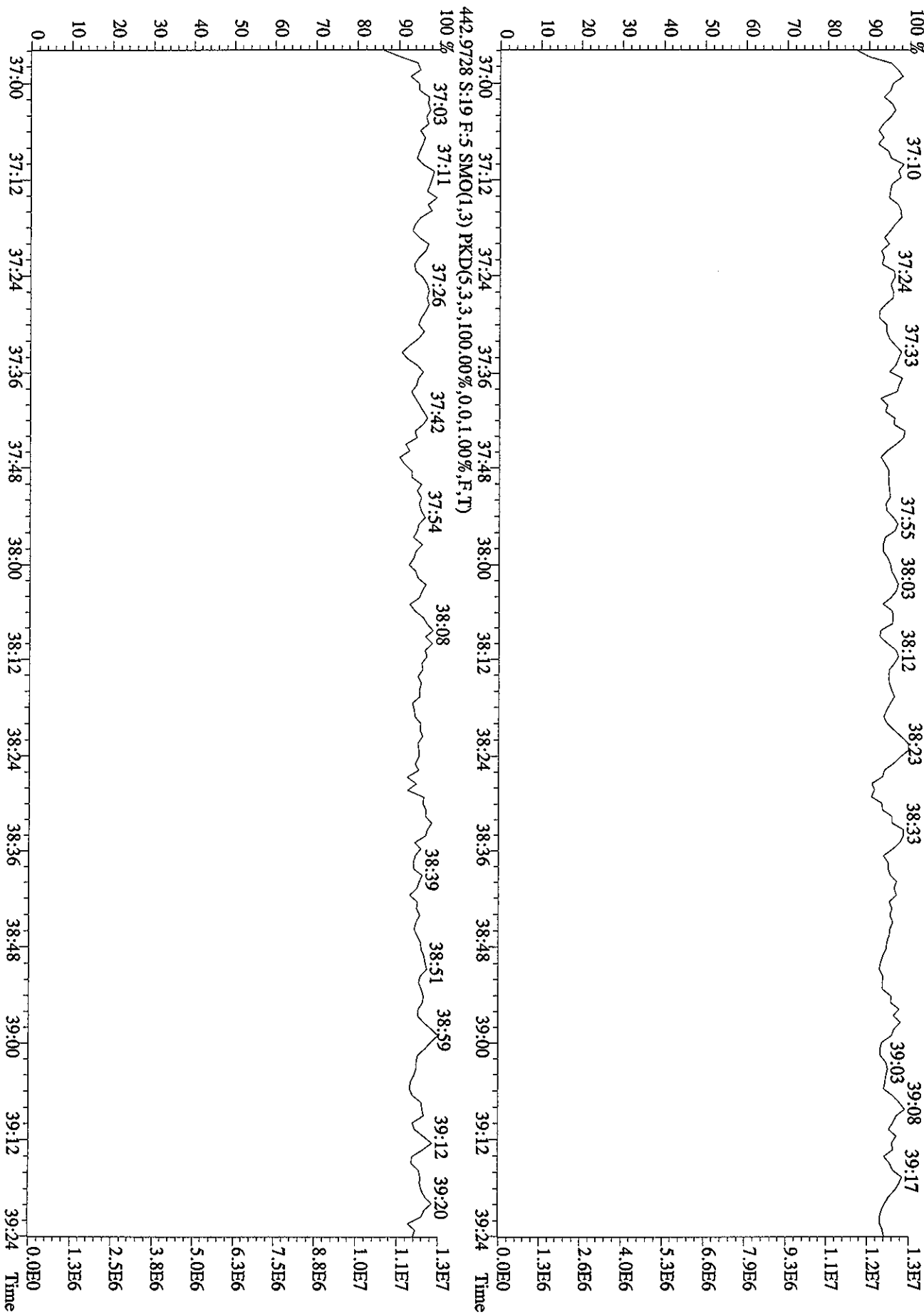


380.9760 S:19 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 28:29 28:47 29:07 29:28 29:44 30:02 30:27 30:57 31:21 31:41 32:07 32:43 33:12 33:40

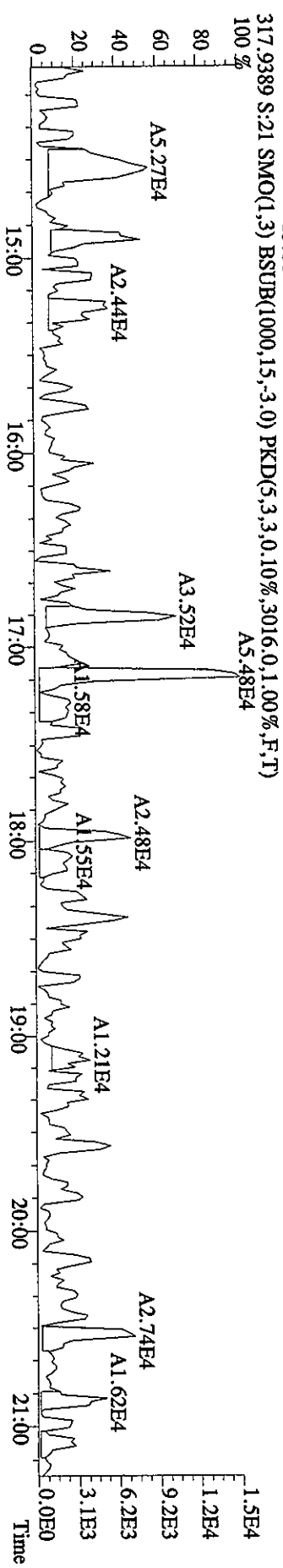
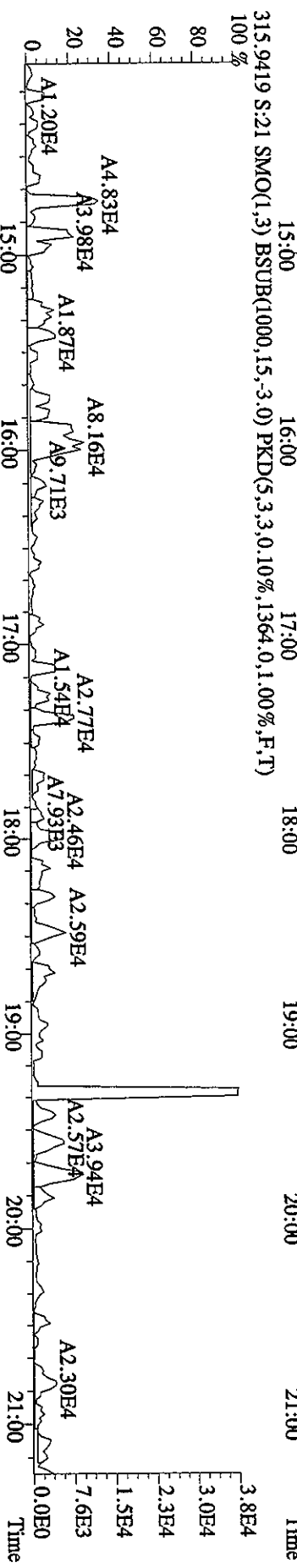
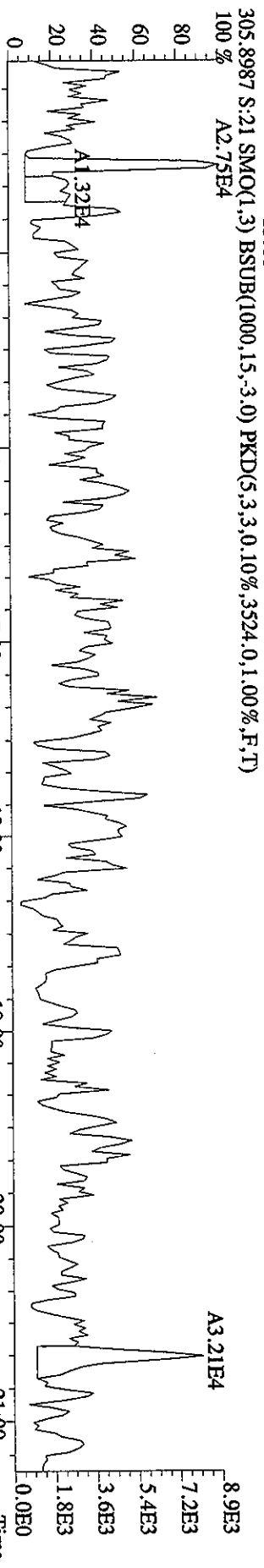
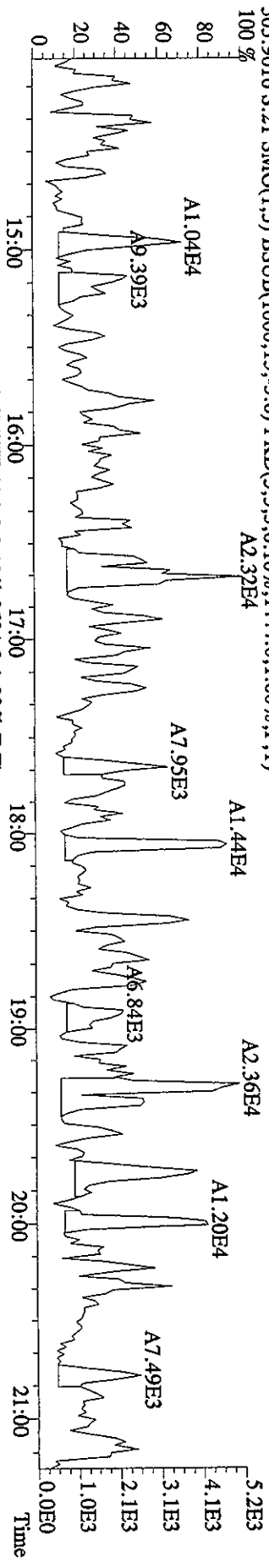




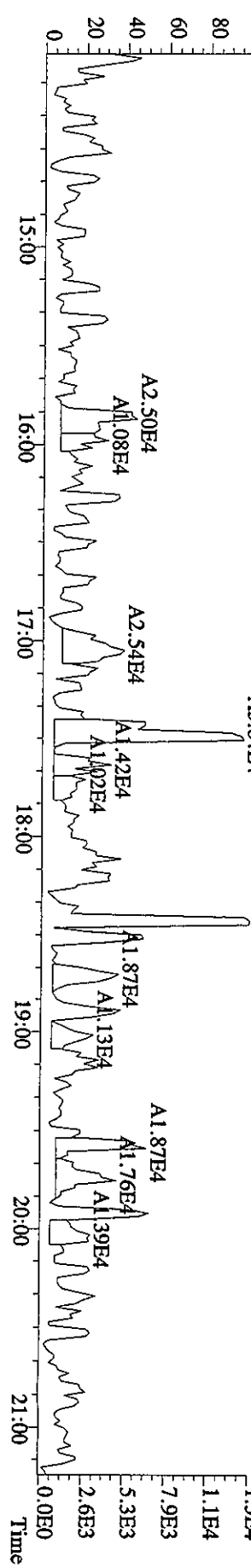
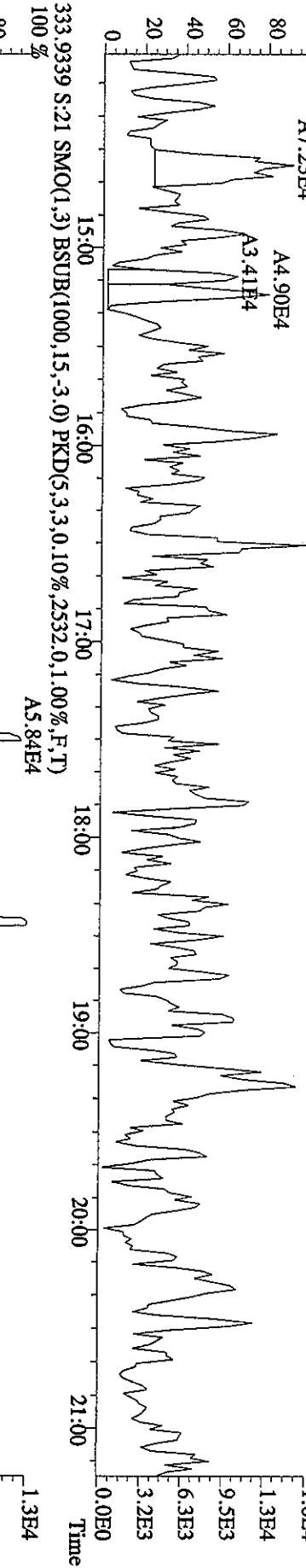
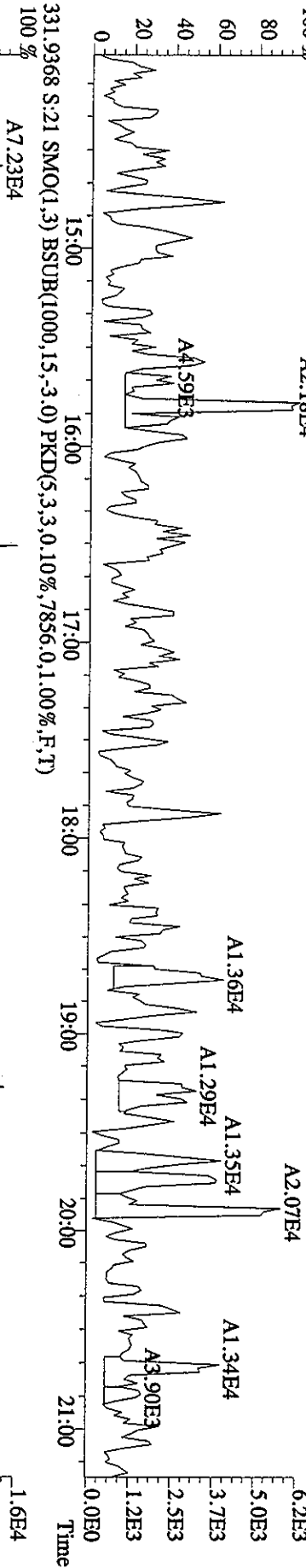
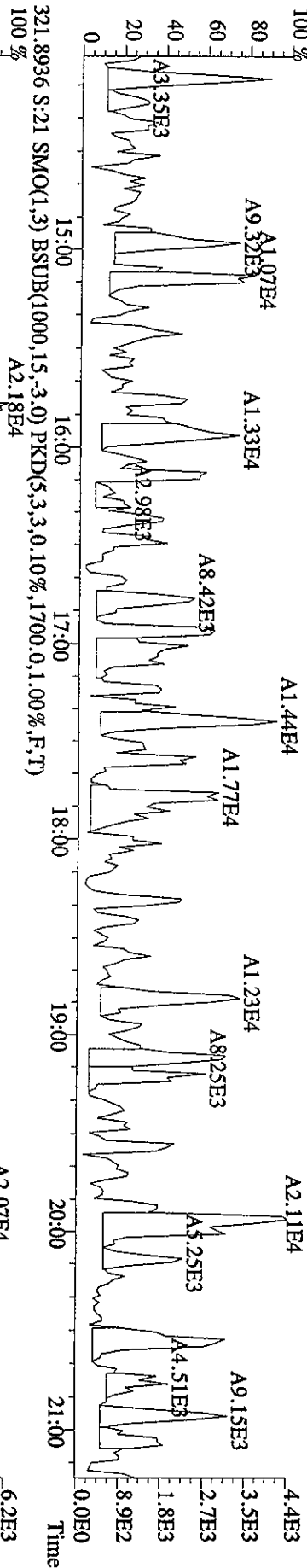
File: 20MR061D5 #1-179 Acq: 20-MAR-2006 23:02:54 GC EI+ Voltage SIR 70SE
 Sample#19 Text: CP0320A :DB-5 CP5M 2565-47 Exp: DIOXIN
 454.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



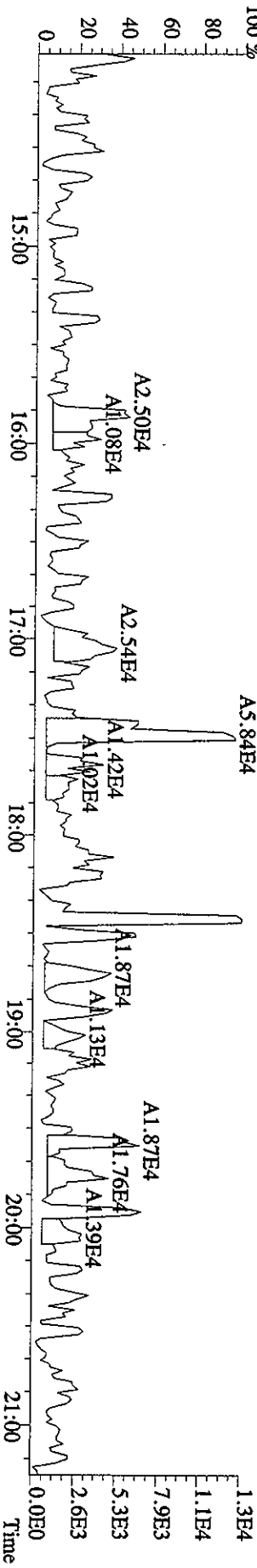
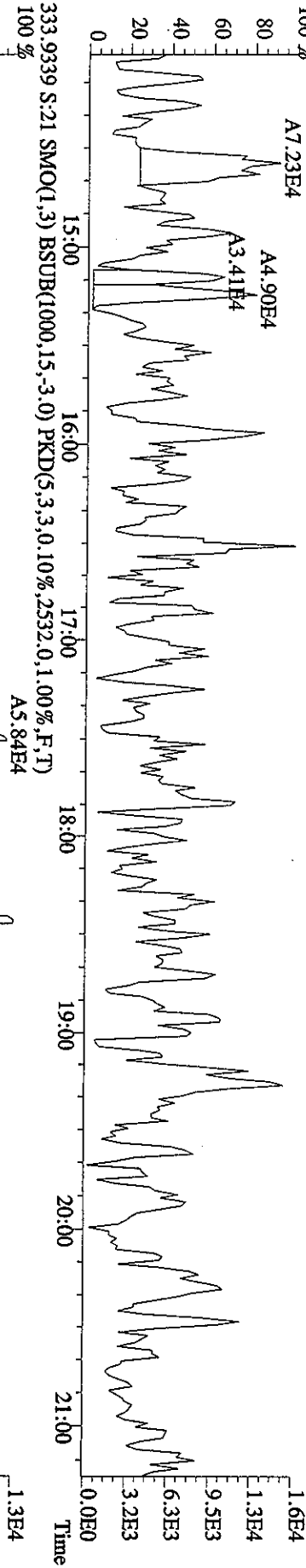
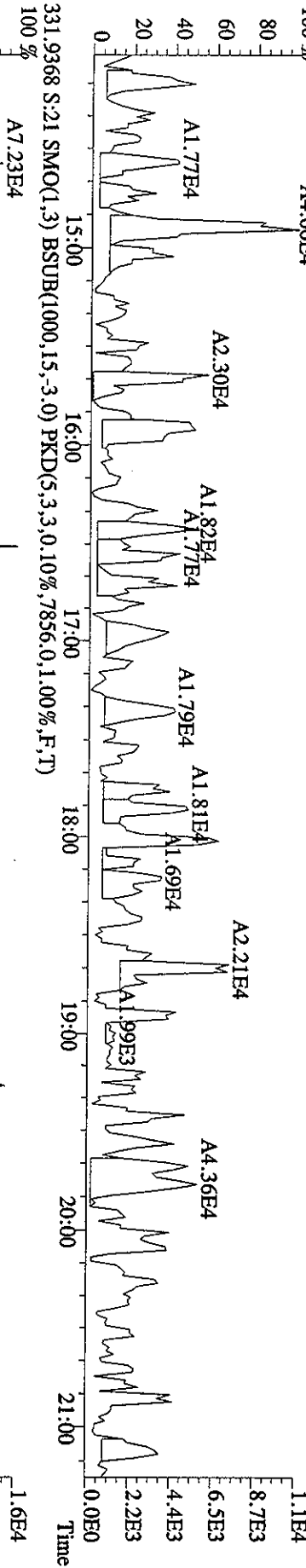
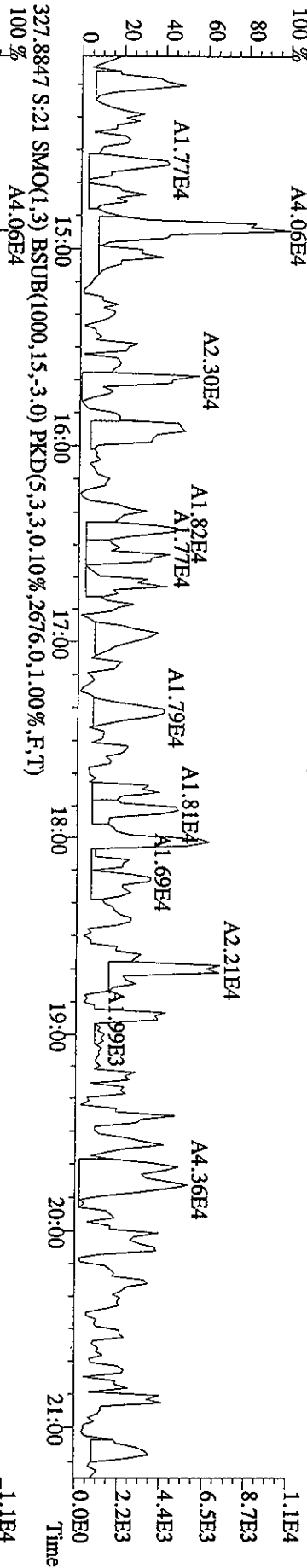
File:20MR061D5 #1-393 Acq:21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN
 303.9016 S:21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1444,0,1,00%,F,T)
 100%



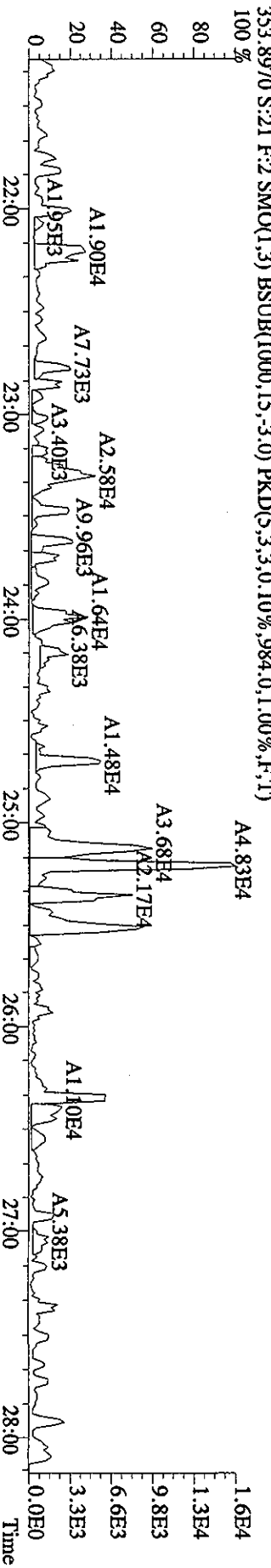
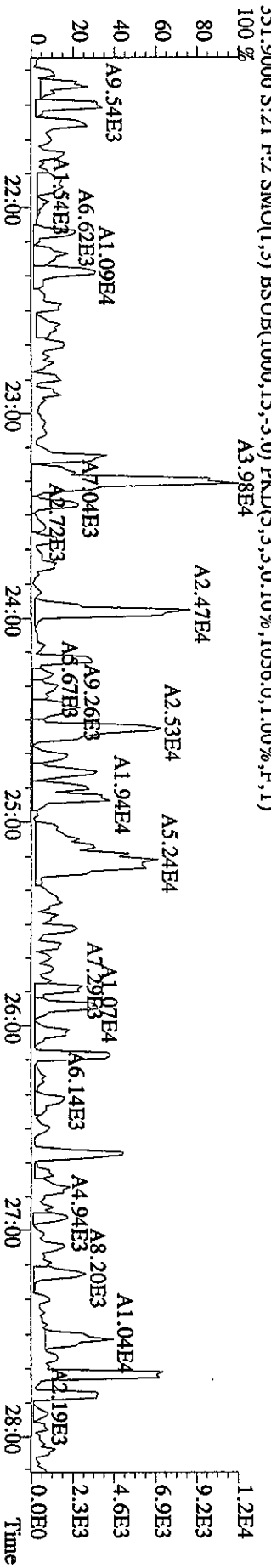
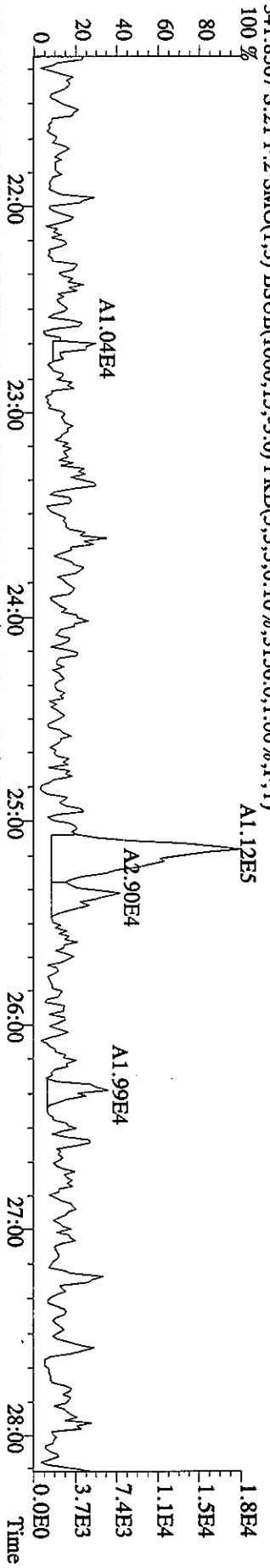
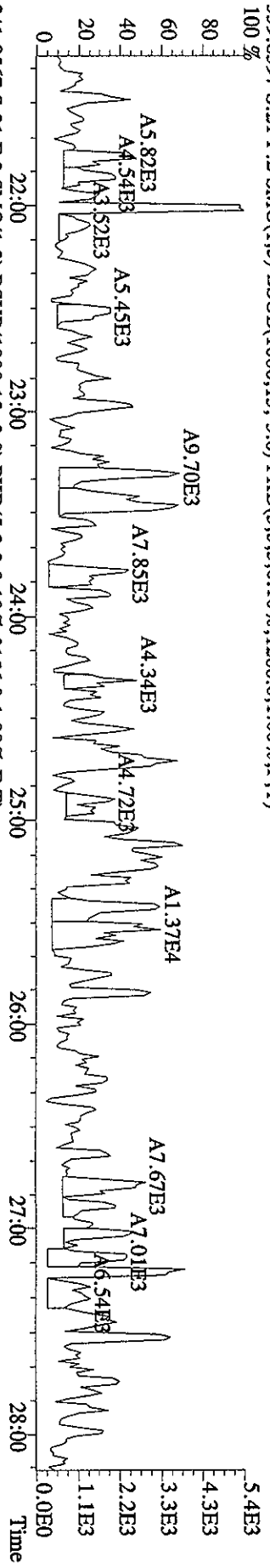
File: 20MR061D5 #1-393 Acq: 21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample# 21 Text: SB0320B : Solvent Blank C-14 Exp: DIOXIN
 319.8965 S: 21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1252.0,1.00%,F,T)



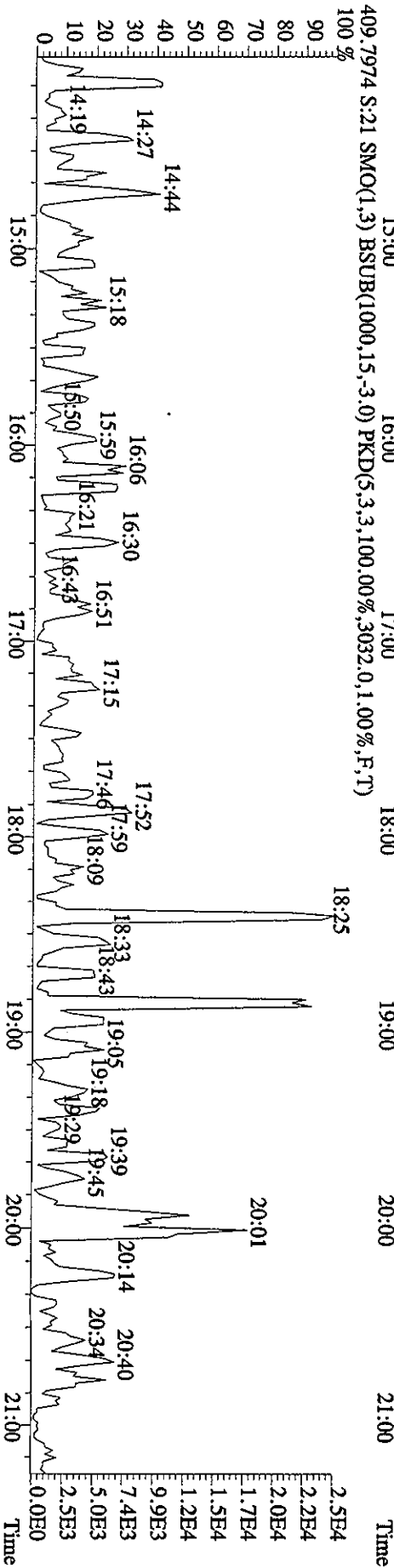
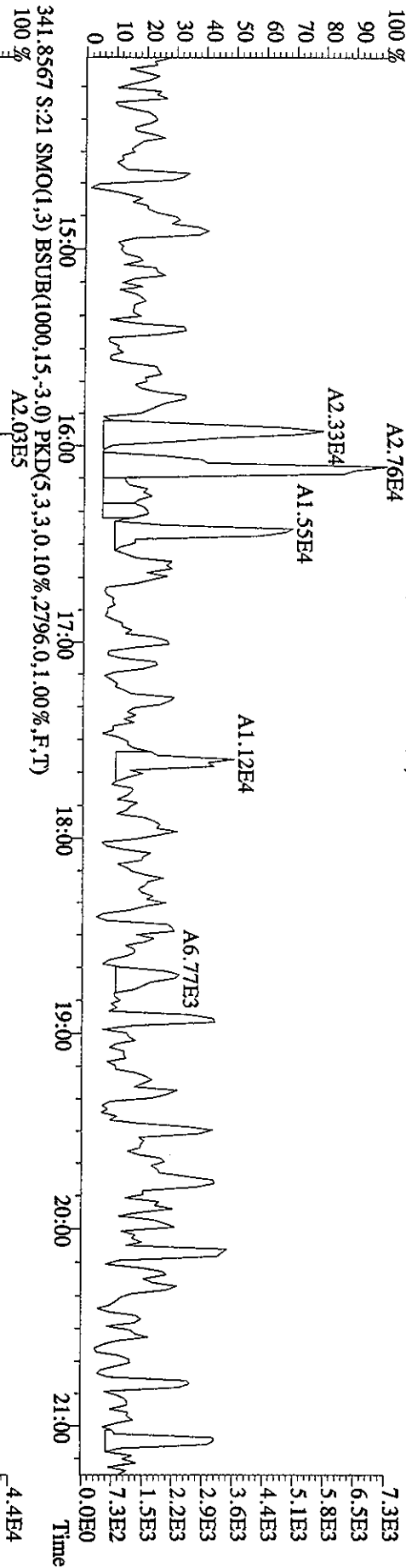
File:20MR06ID5 #1-393 Acq:21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN
 327.8847 S.:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2676.0,1.00%,F,T)
 100 % A4.06E4



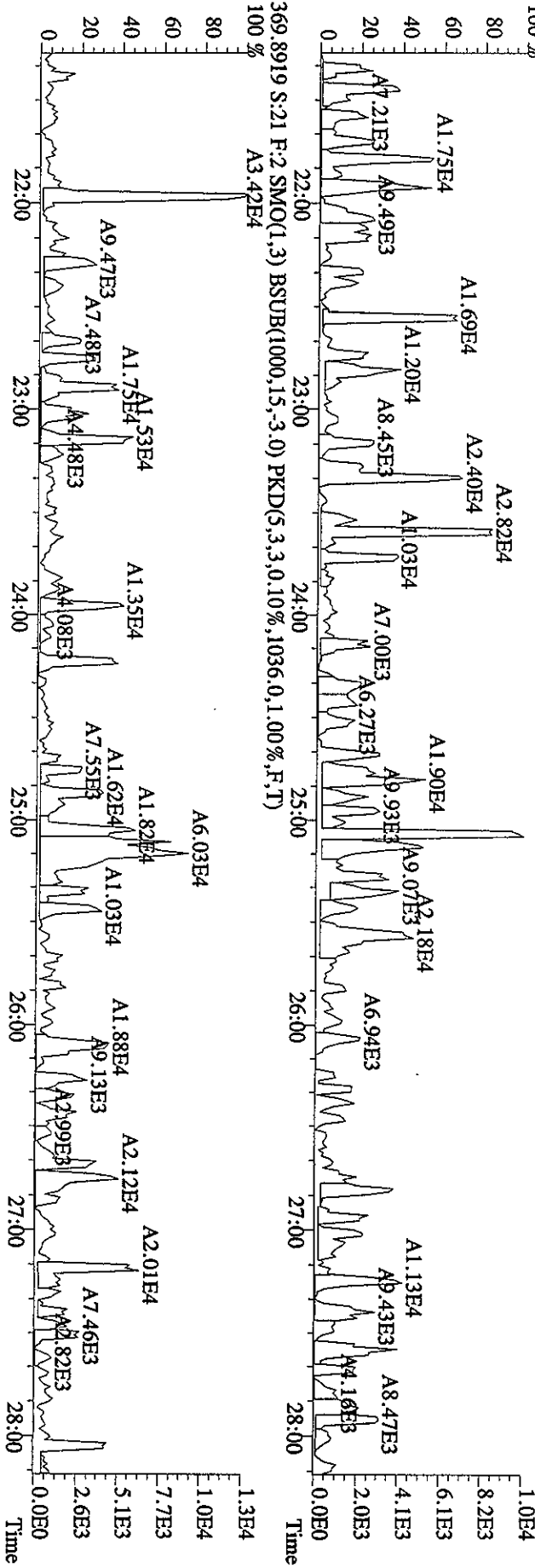
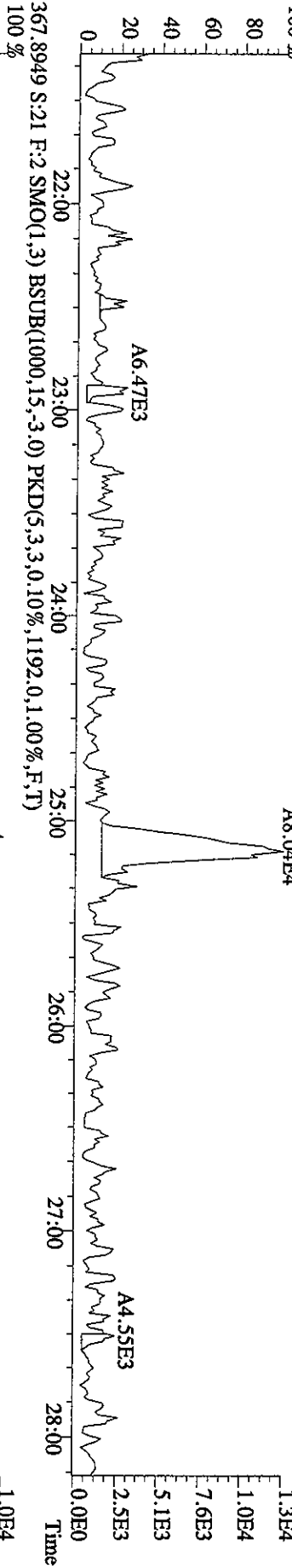
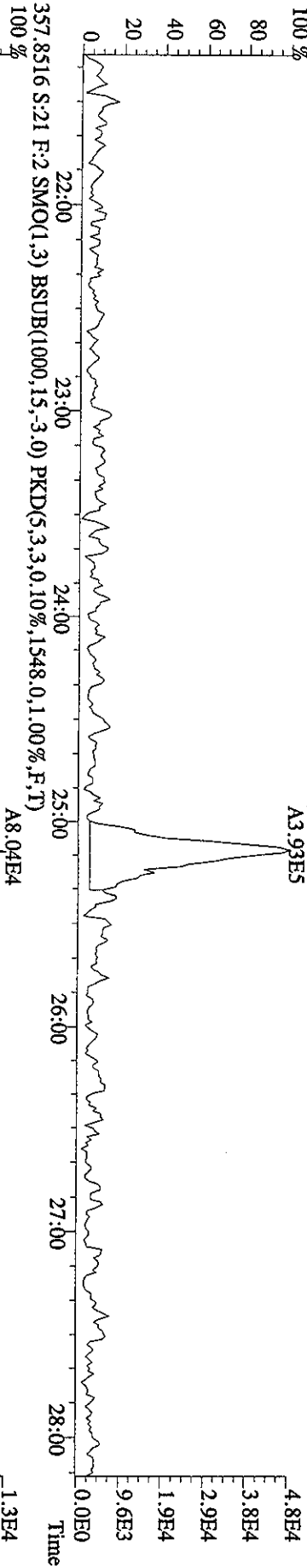
File:20MR061D5 #1-487 Acq:21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN
 339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1260,0,1,00%,F,T)
 100 %



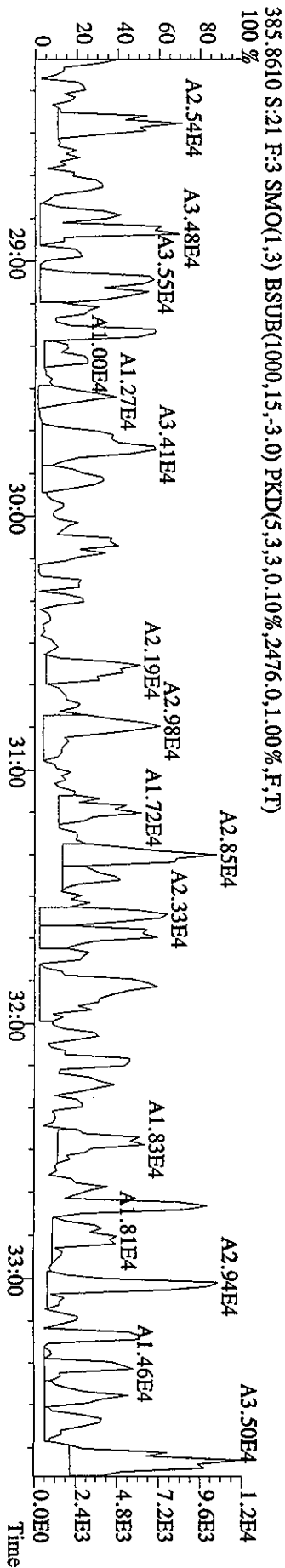
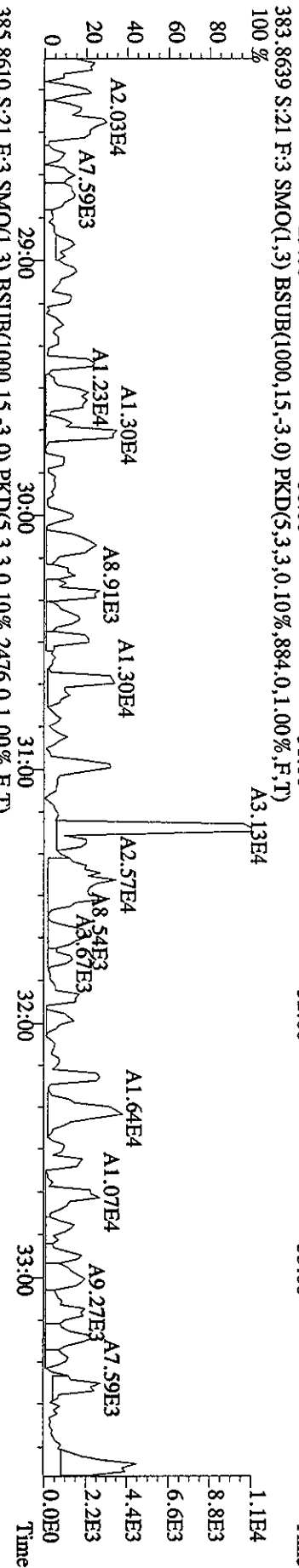
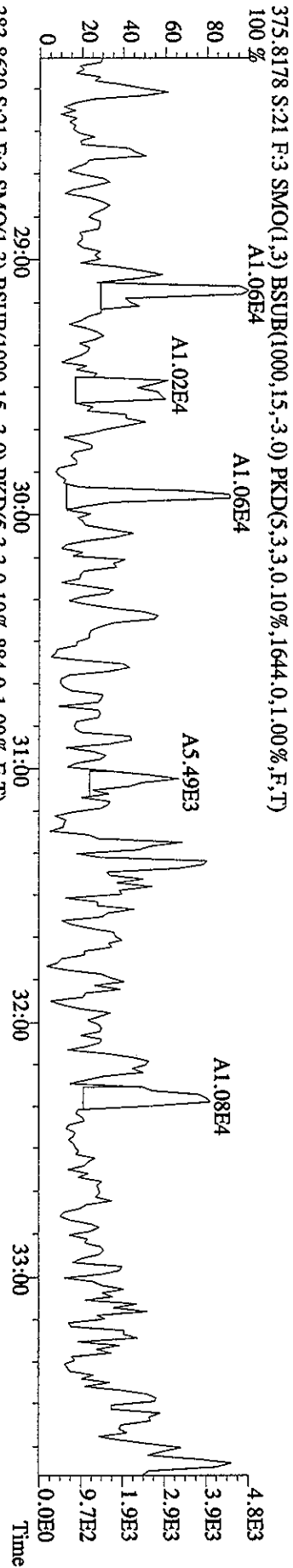
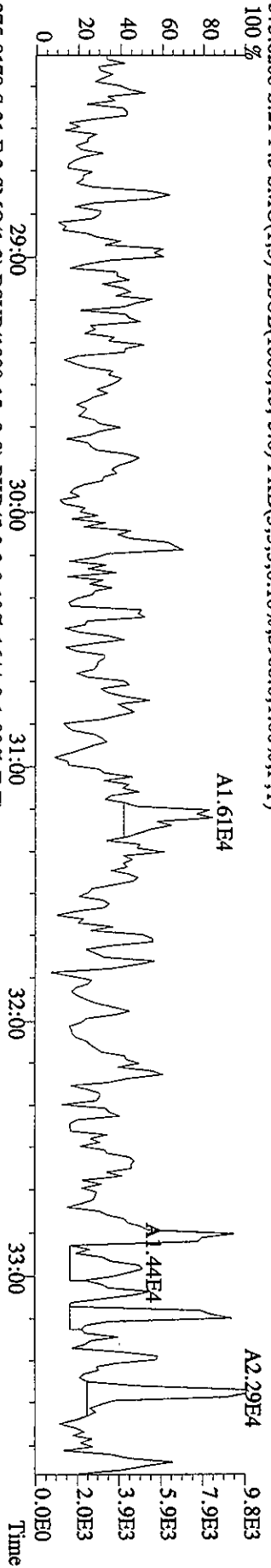
File: 20MR061D5 #1-393 Acq: 21-MAR-2006 00:26:11 GC EI + Voltage SIR 70SE
 Sample#21 Text: SB0320B : Solvent Blank C-14 Exp: DIOXIN
 339.8597 S: 21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1676,0,1,00%,F,T)
 100%



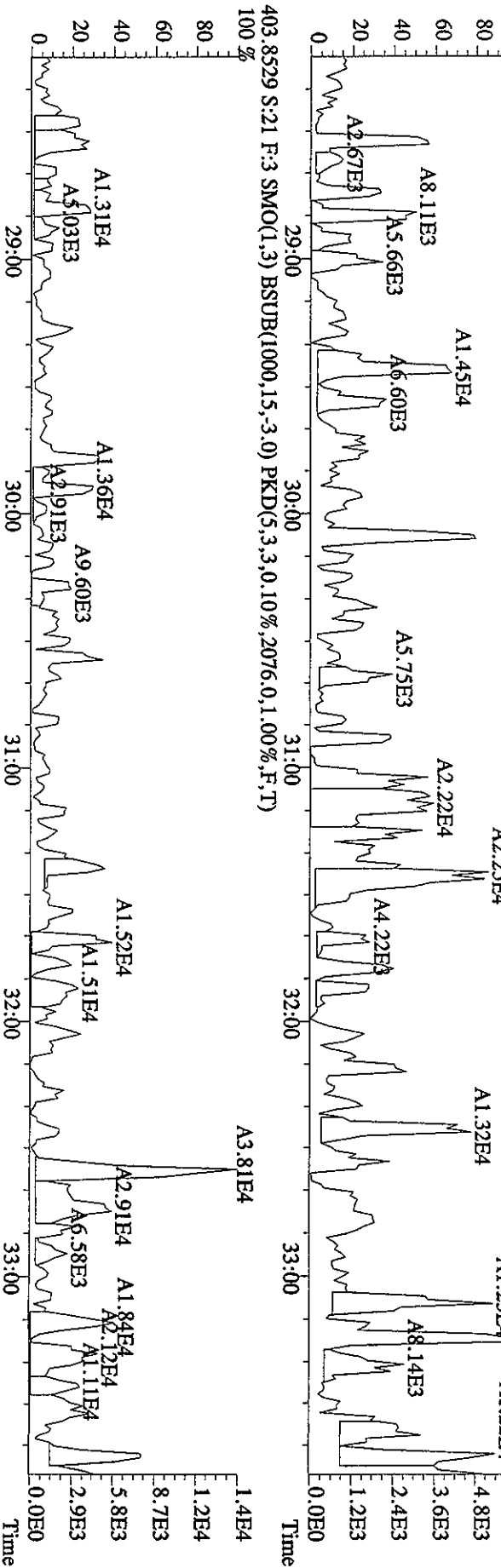
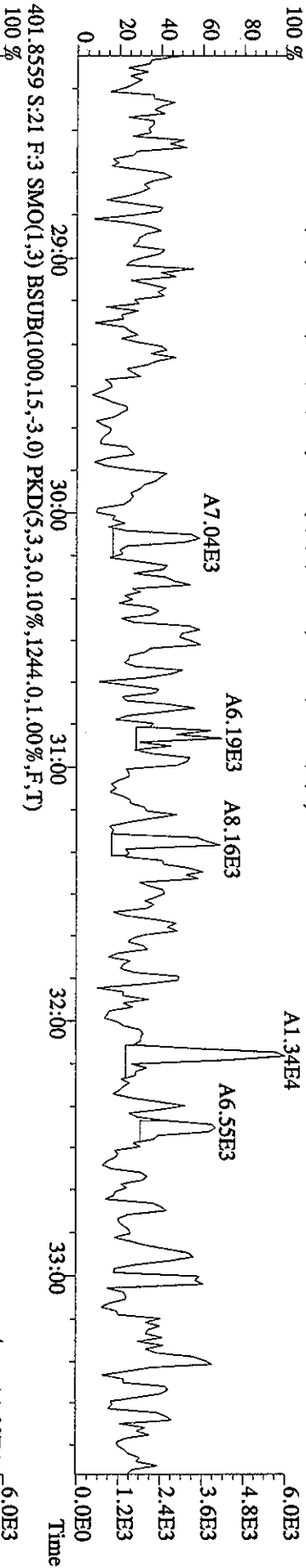
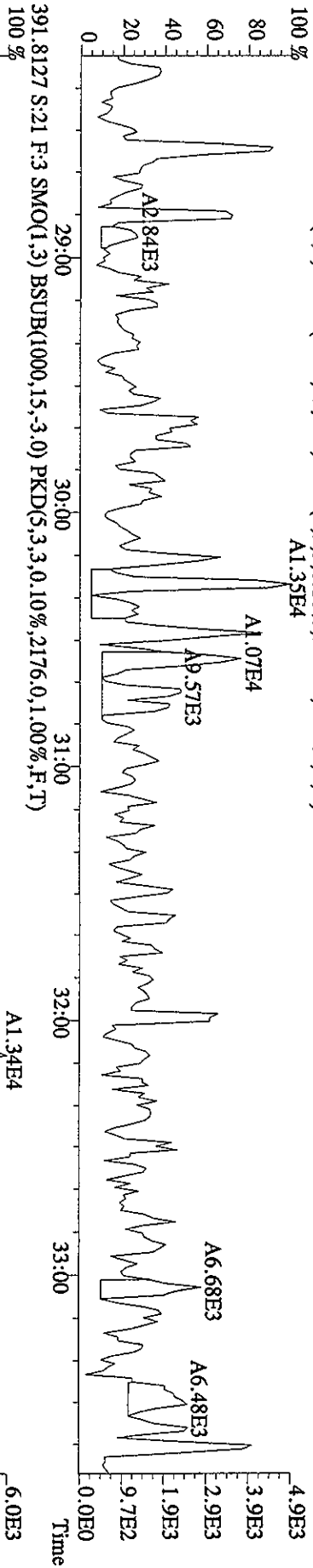
File: 20MIR061D5 #1-487 Acq: 21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample#21 Text: SB0320B :Solvent Blank C-14 Exp: DIOXIN
 355.8546 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4620,0.1,0.00%,F,T)



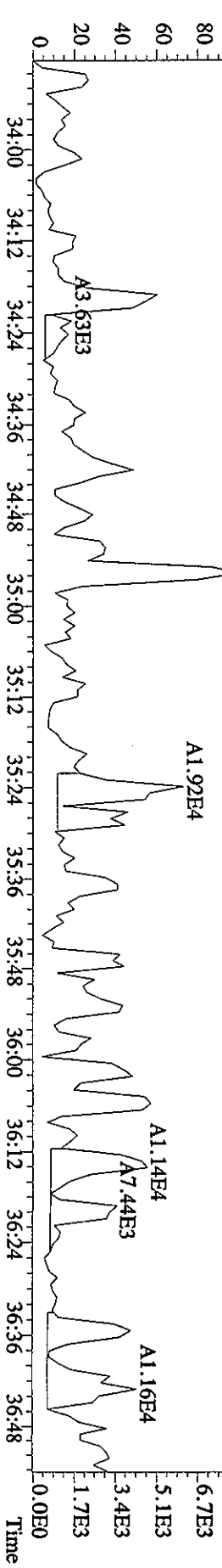
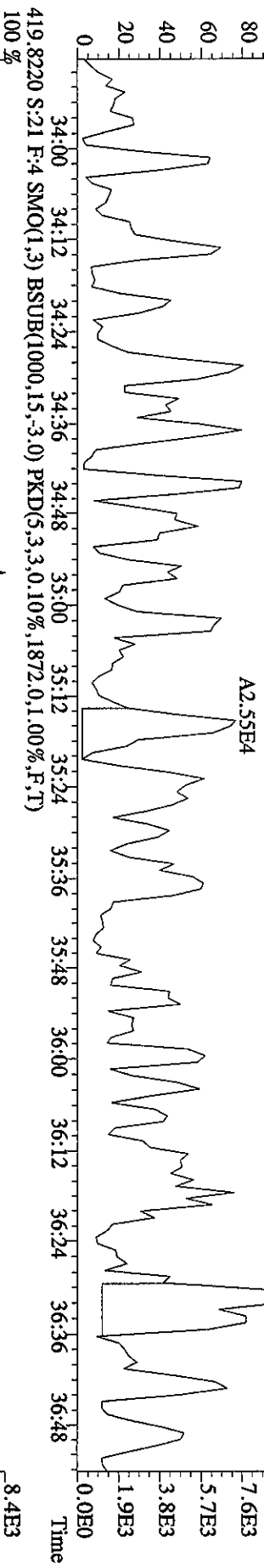
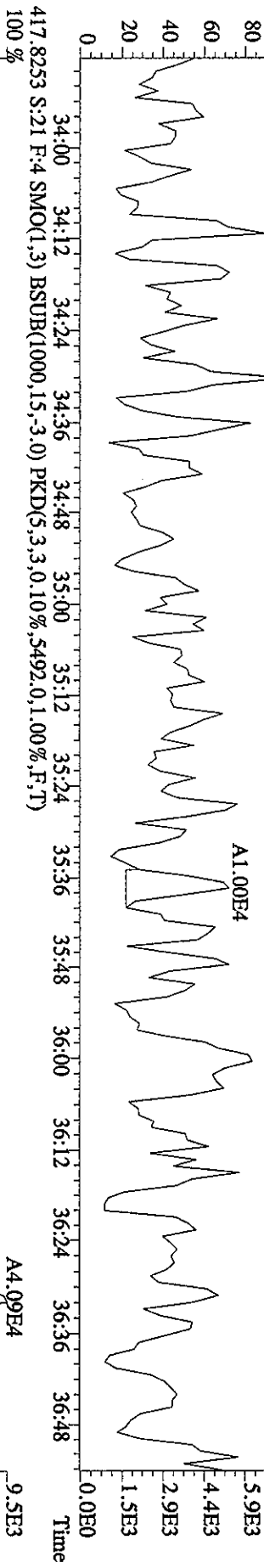
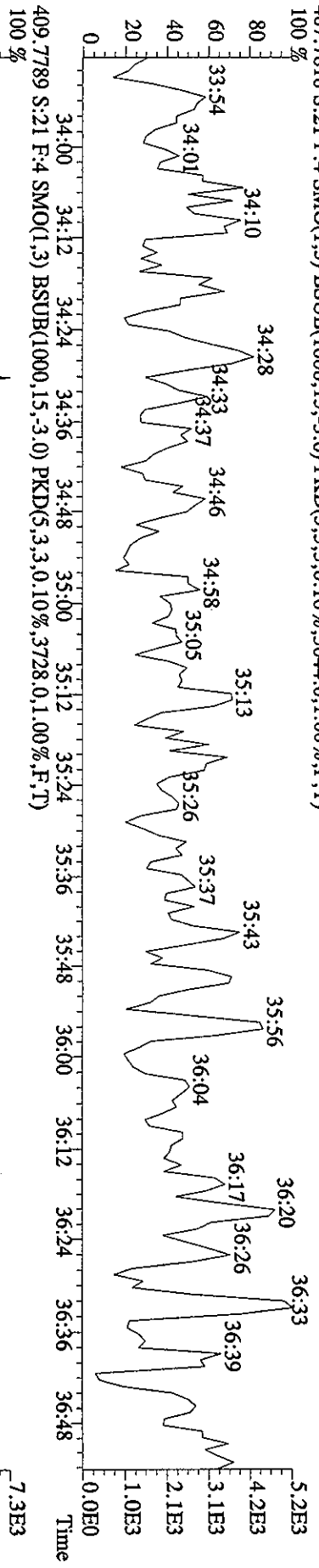
File:20MR061D5 #1-375 Acq:21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN
 373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3988,0.1,00%,F,T)

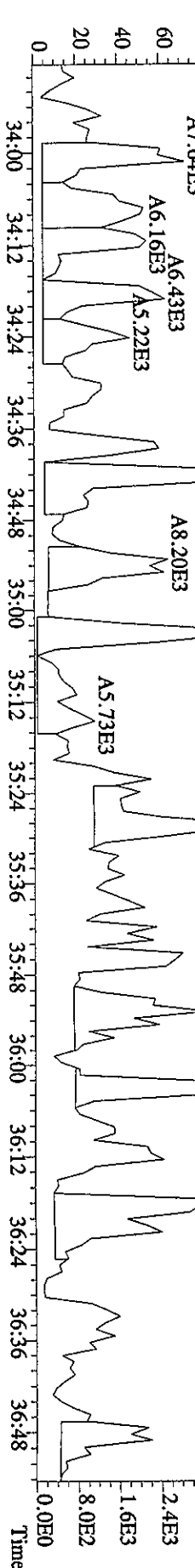
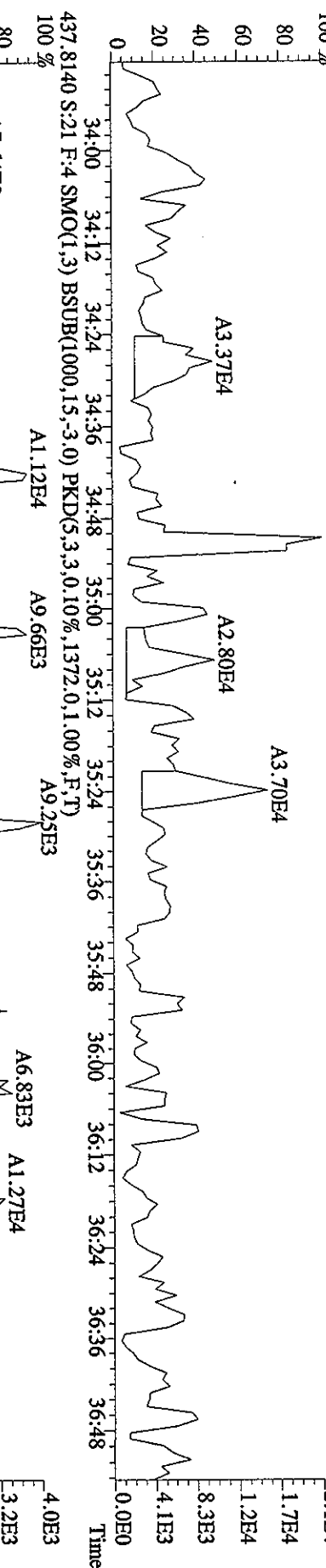
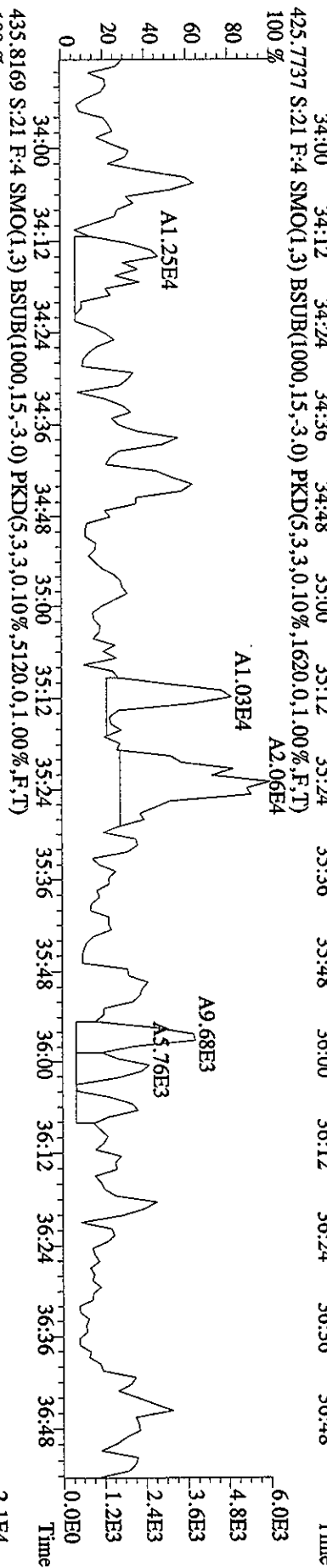
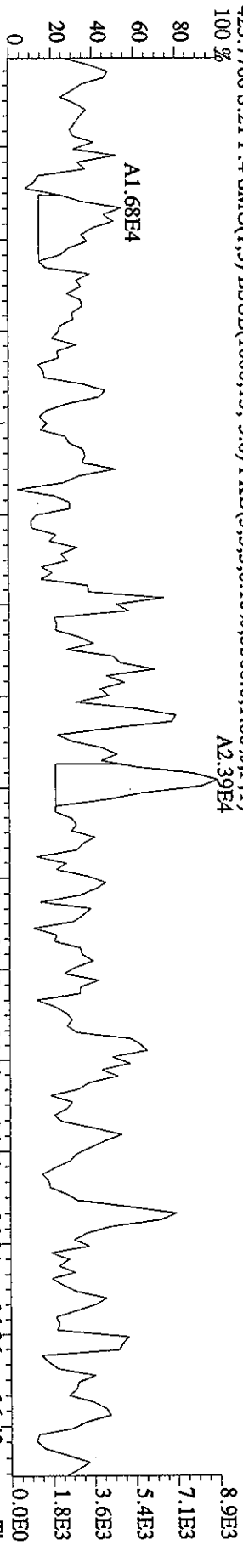


File: 20MAR06ID5 #1-375 Acq: 21-MAR-2006 00:26:11 GC EI + Voltage SIR 70SE
 Sample#21 Text: SB0320B :Solvent Blank C-14 Exp: DIOXIN
 389 8157 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1616,0,1,00%,F,T)
 100% A1.35E4

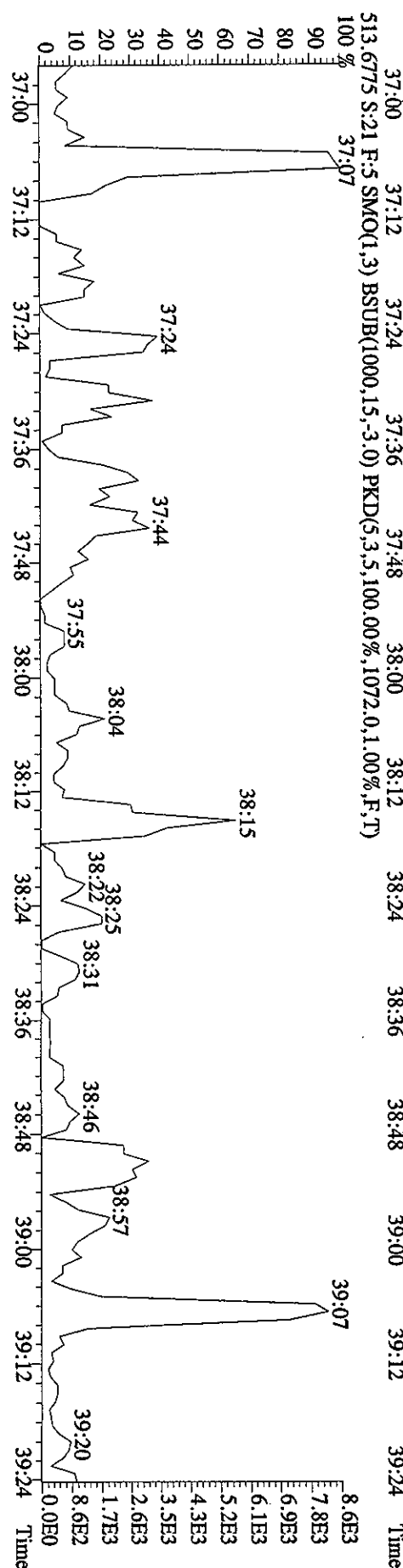
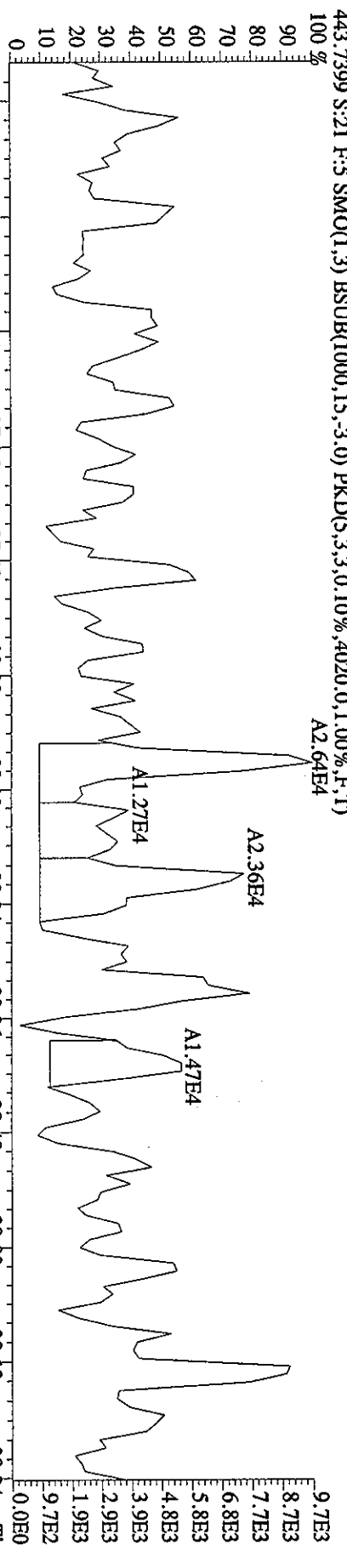
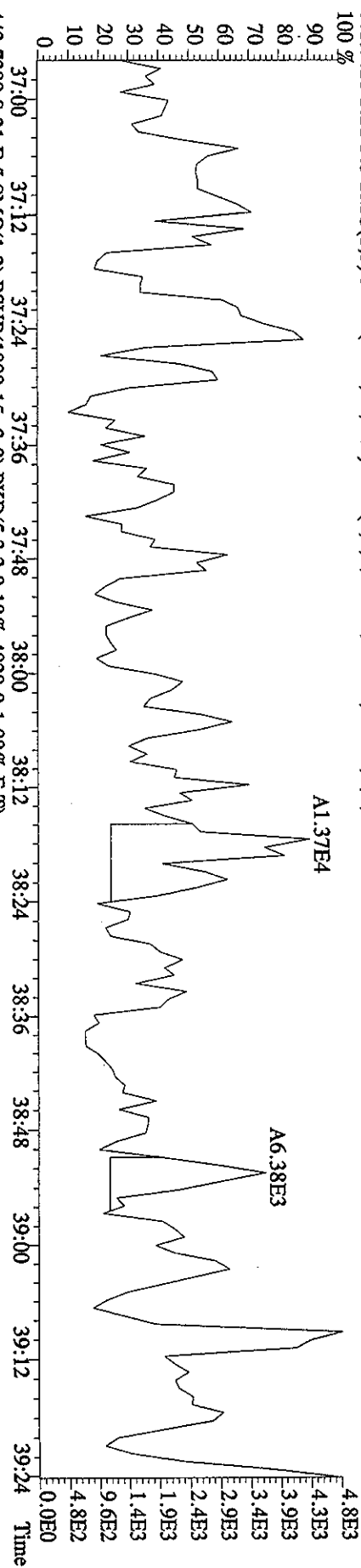


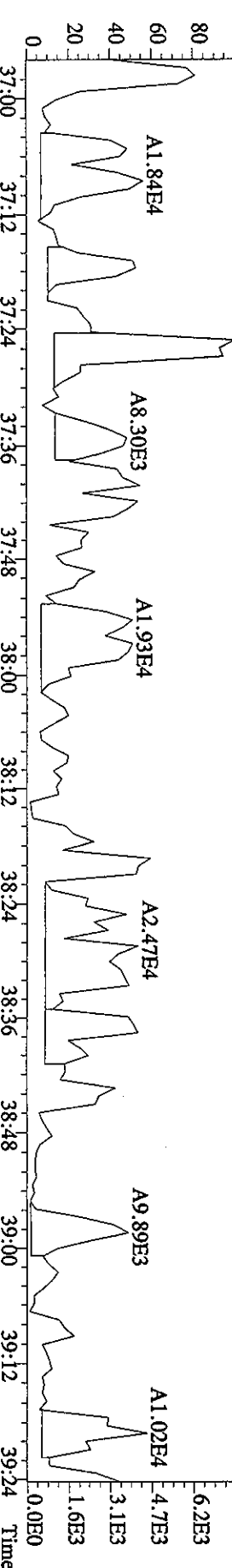
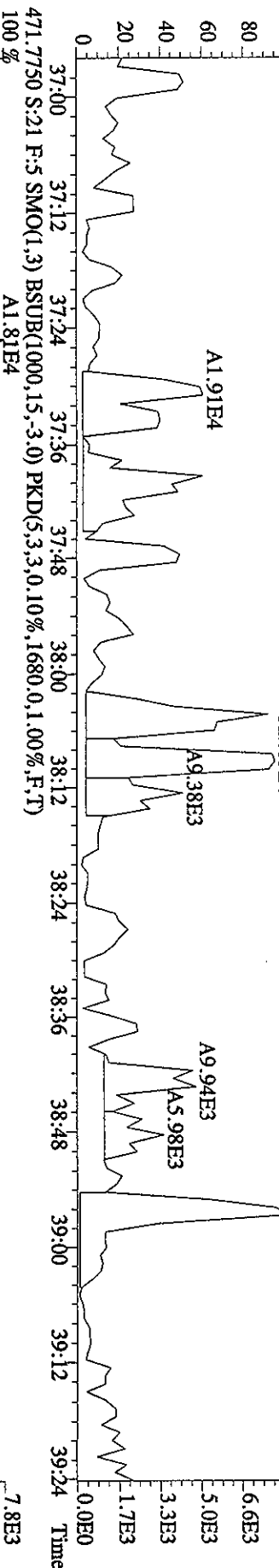
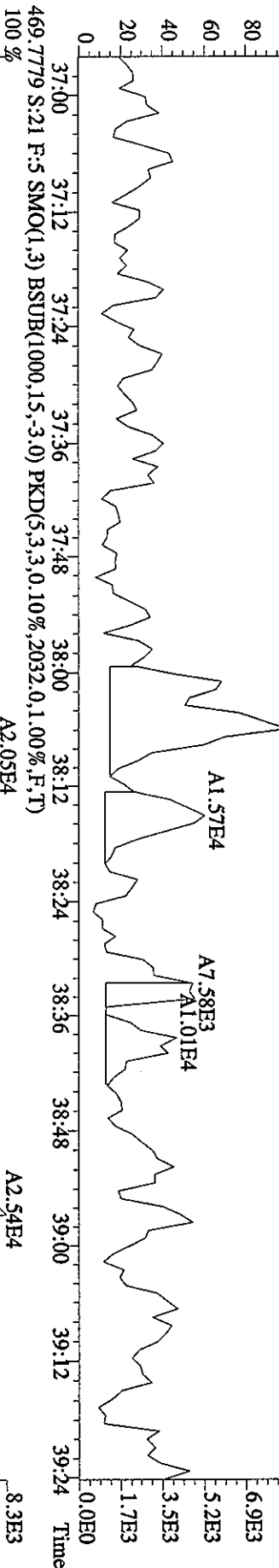
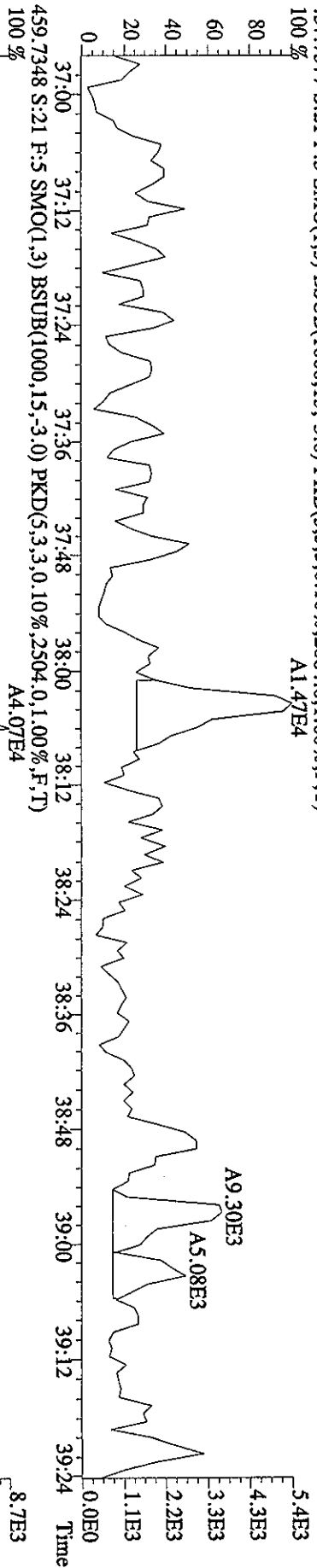
File:20MR061D5 #1-219 Acq:21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN
 407.7818 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3044,0.1,00%,F,T)





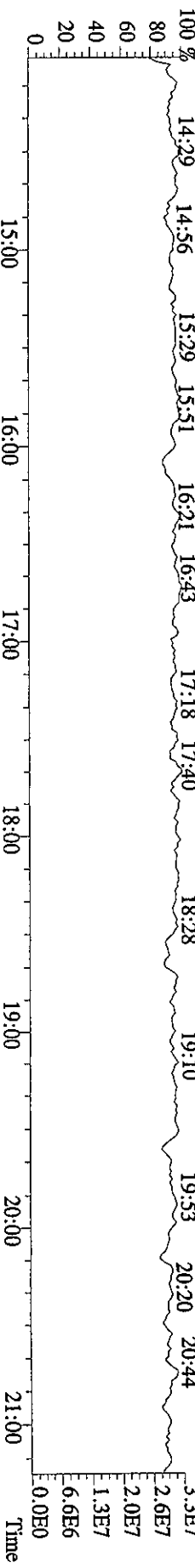
File:20MR061D5 #1-179 Acq:21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN
 441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2316,0,1.00%,F,T)



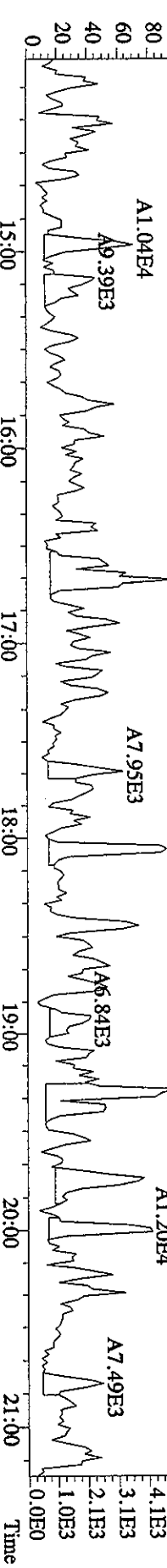


Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN

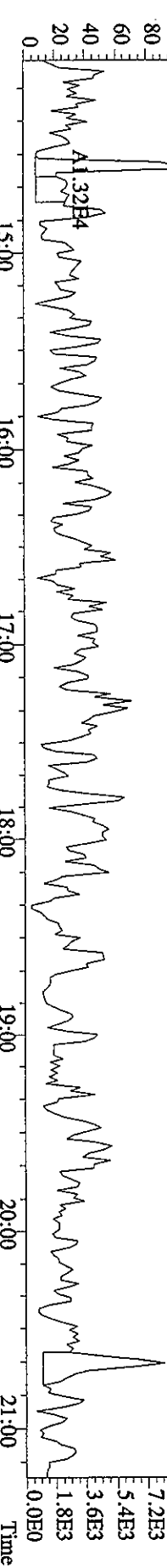
292.9825 S:21 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



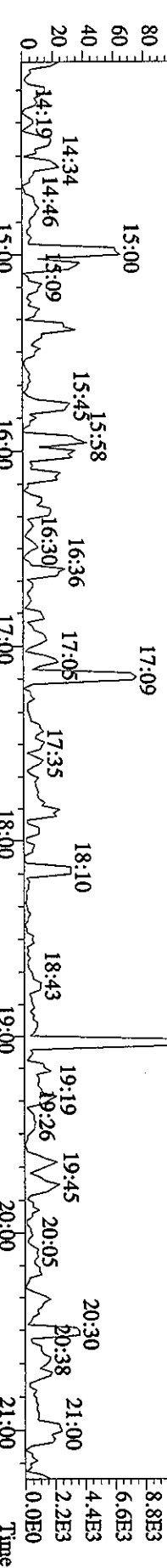
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)



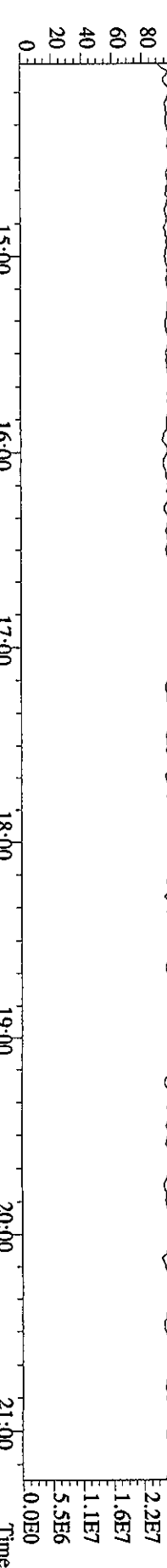
305.8987 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



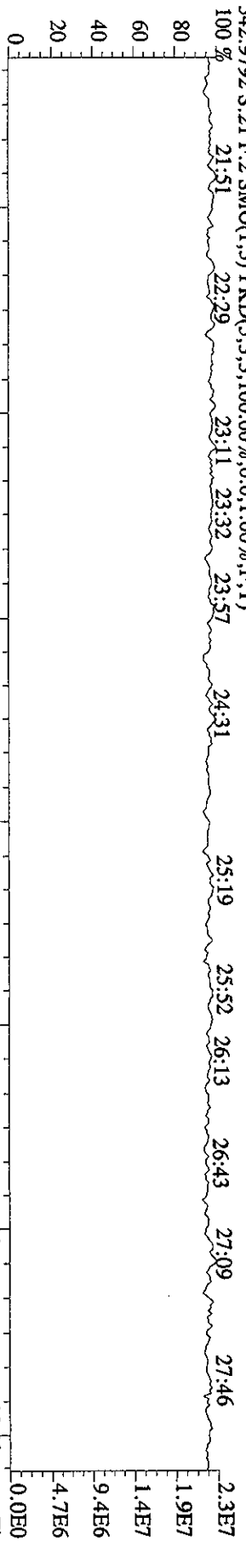
375.8364 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1044.0,1.00%,F,T)



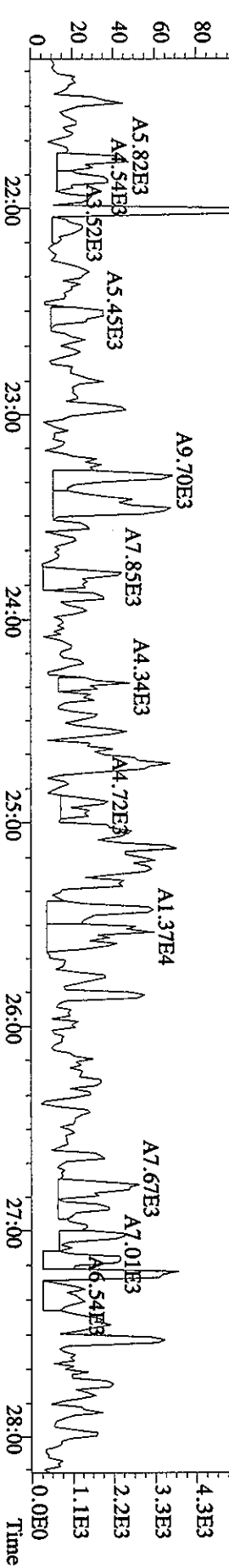
330.9792 S:21 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



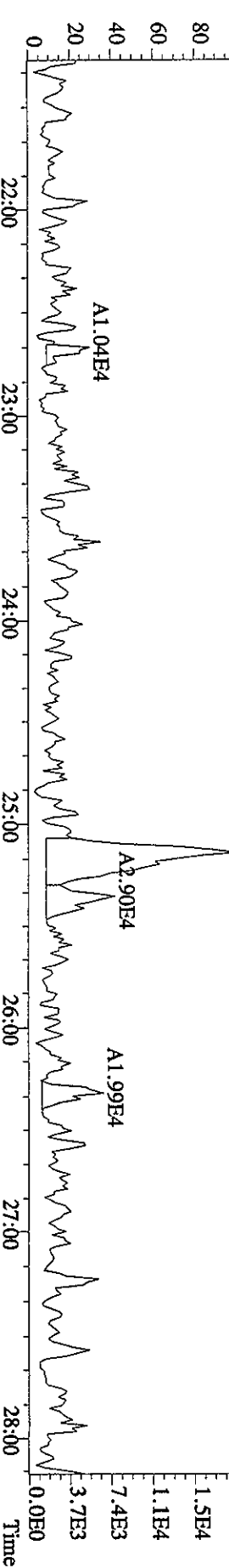
File: 20MR061D5 #1-487 Acq: 21-MAR-2006 00:26:11 GC EI+ Voltage SIR 70SE
 Sample# 21 Text: SB0320B Solvent Blank C-14 Exp: DIOXIN
 342.9792 S: 21 F: 2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:31 22:29 23:11 23:32 23:57 24:31 25:19 25:52 26:13 26:43 27:09 27:46



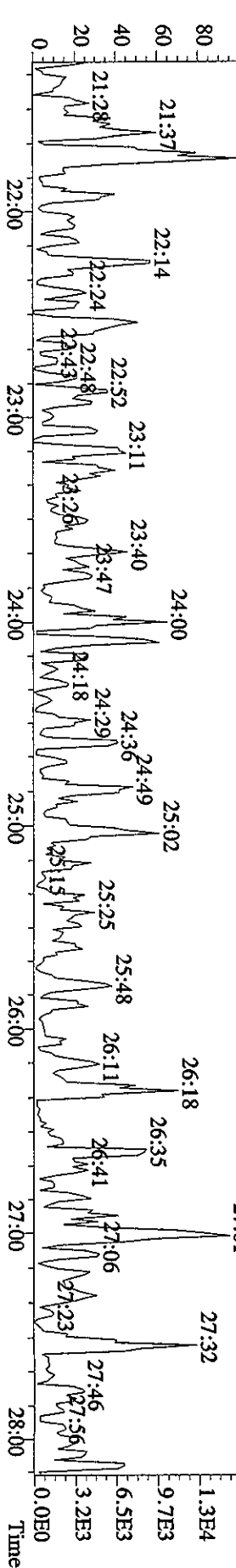
339.8597 S: 21 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1260.0,1.00%,F,T)
 100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



341.8567 S: 21 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3156.0,1.00%,F,T)
 100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00

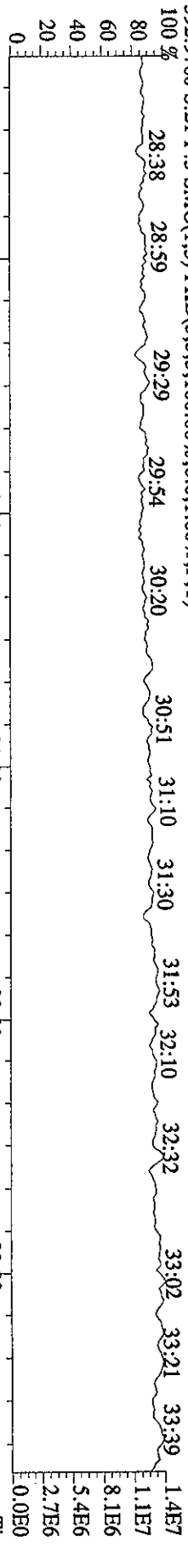


409.7974 S: 21 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4044.0,1.00%,F,T)
 100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00

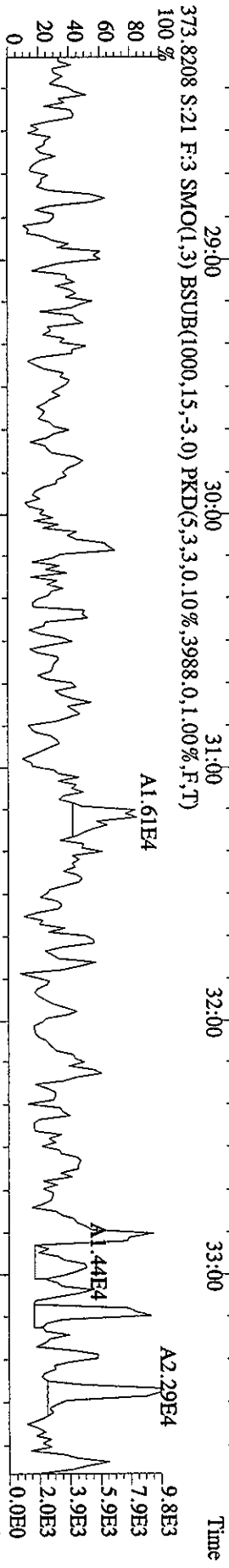


Sample#21 Text: SB0320B :Solvent Blank C-14 Exp: DIOXIN

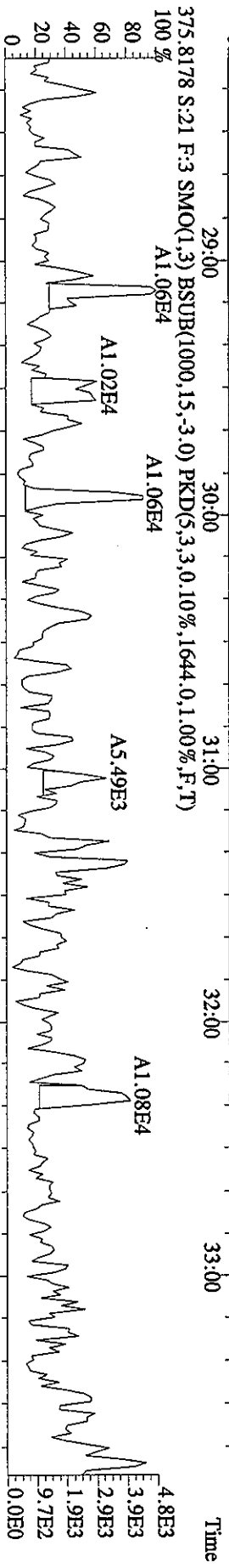
392.9760 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



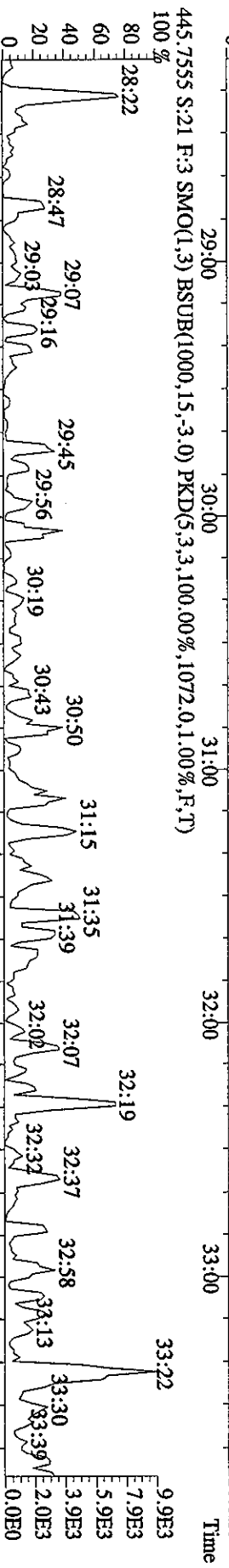
373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3988.0,1.00%,F,T)



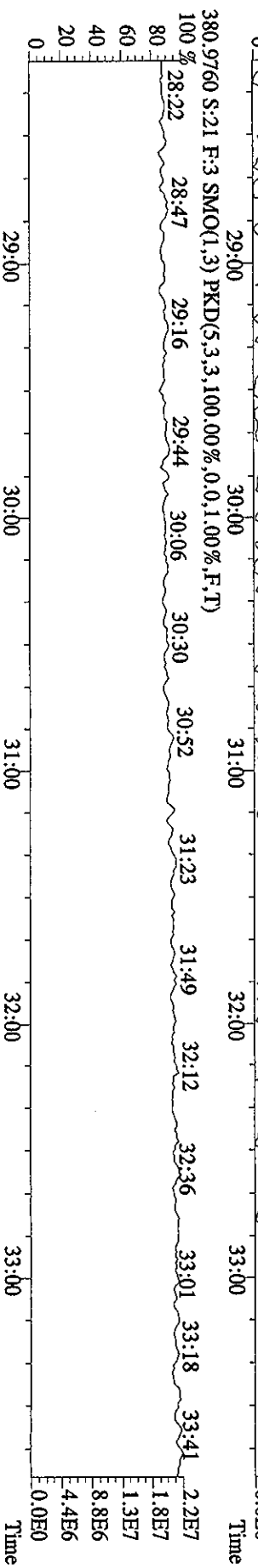
375.8178 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)

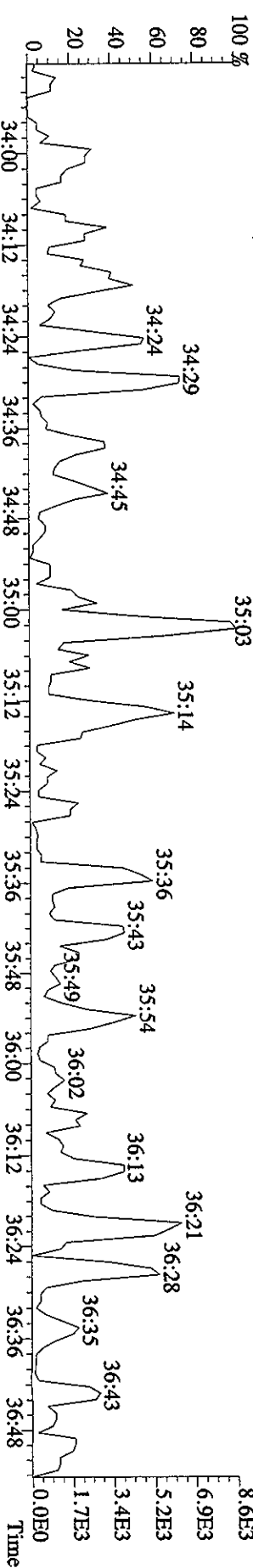
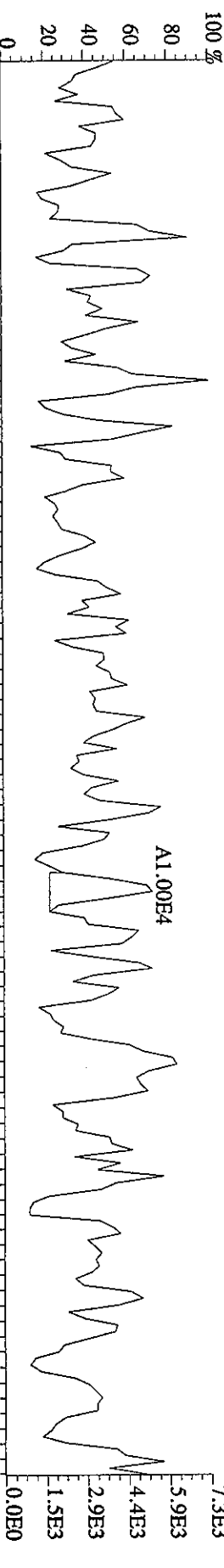
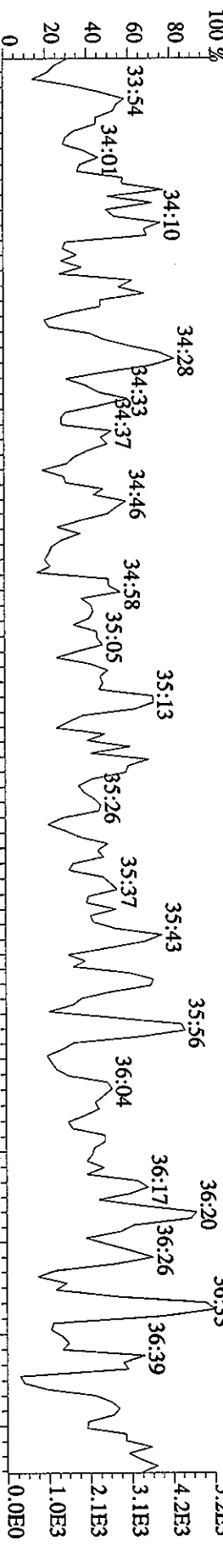
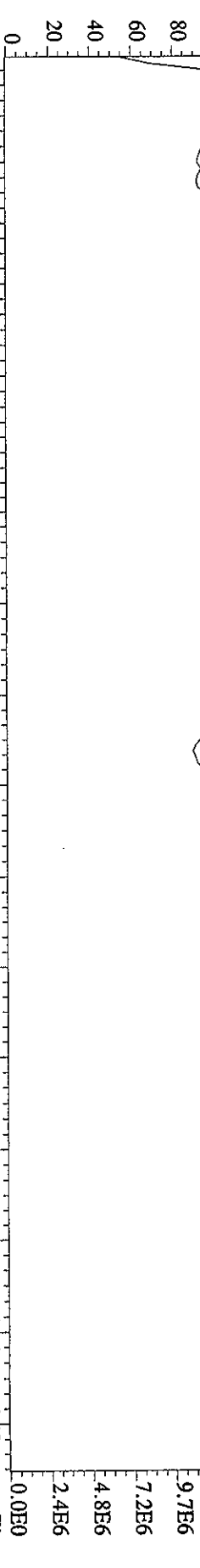


445.7555 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1072.0,1.00%,F,T)



380.9760 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



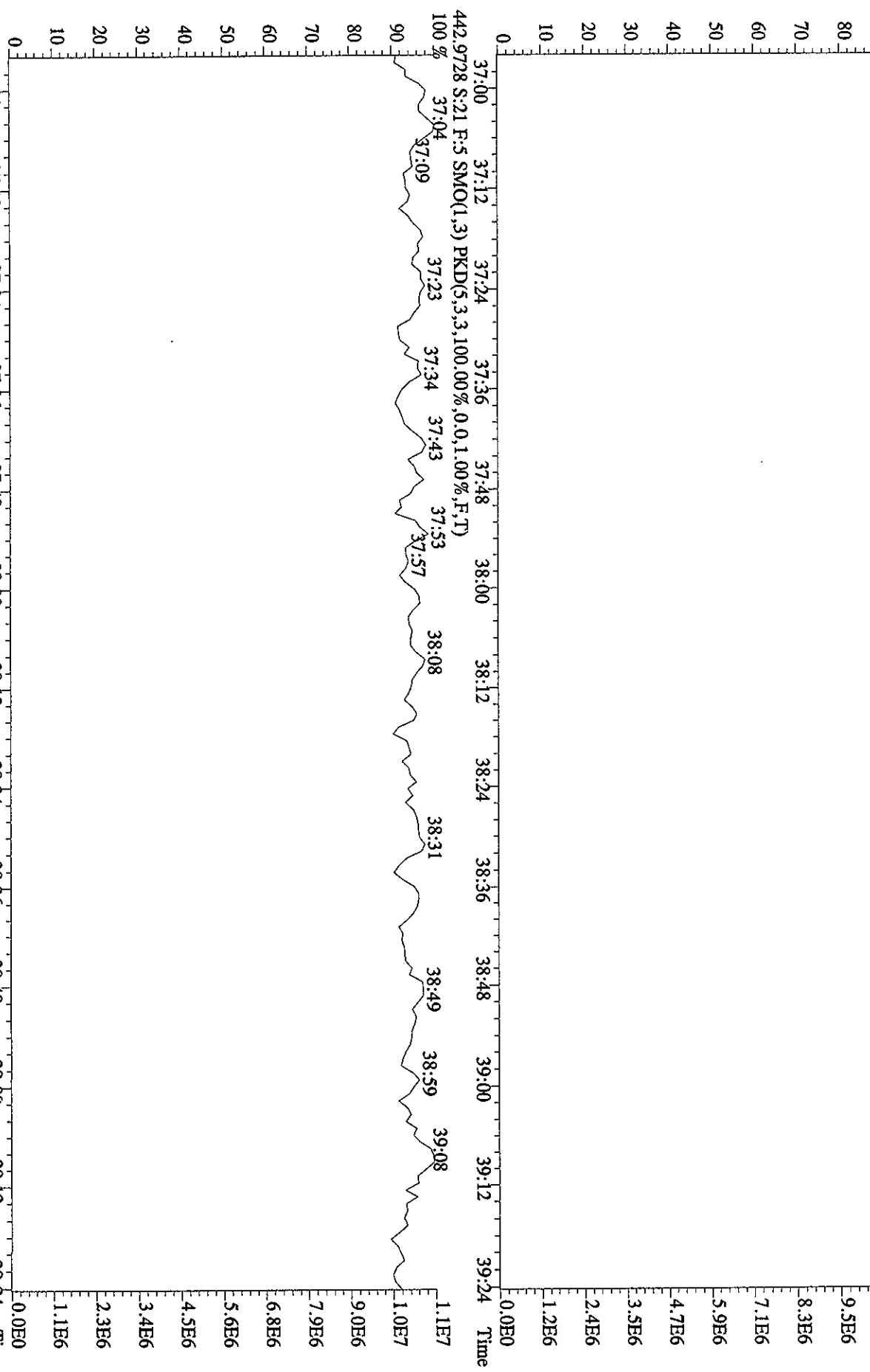


File:20MIR061D5 #1-179 Acq:21-MAR-2006 00:26:11 GC EI + Voltage SIR 70SE

Sample#21 Text:SB0320B :Solvent Blank C-14 Exp:DIOXIN

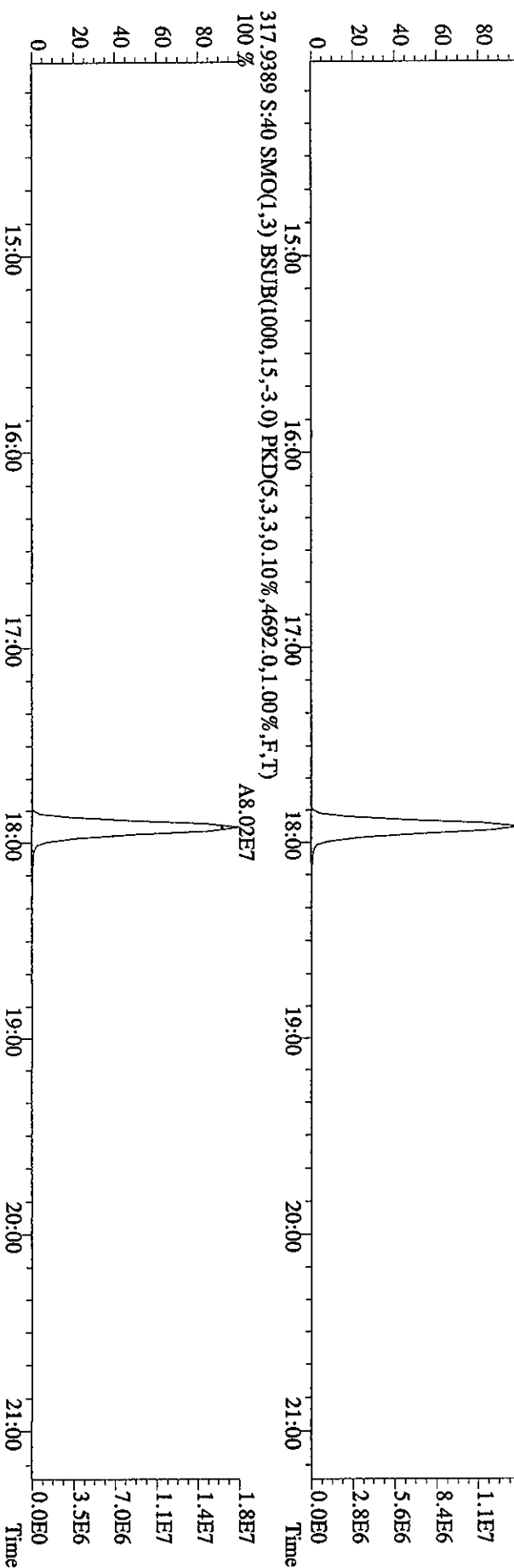
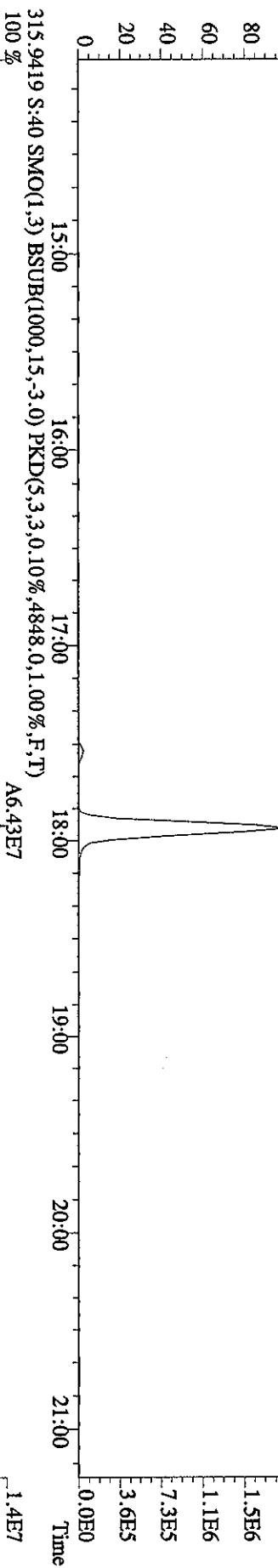
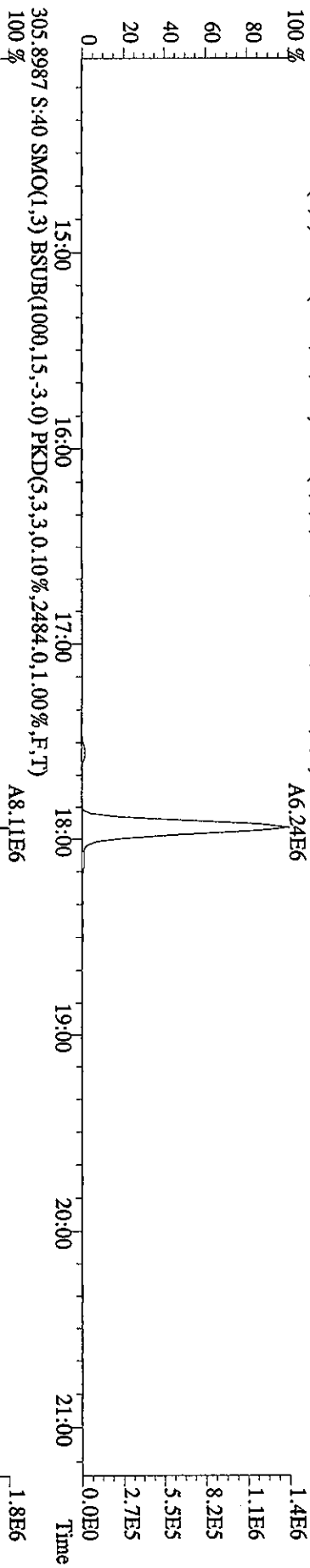
454.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 37:01 37:12 37:21 37:40 37:53

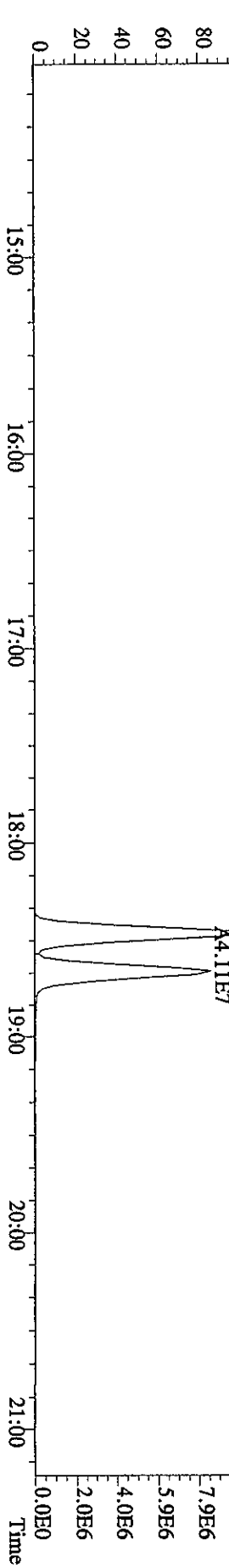
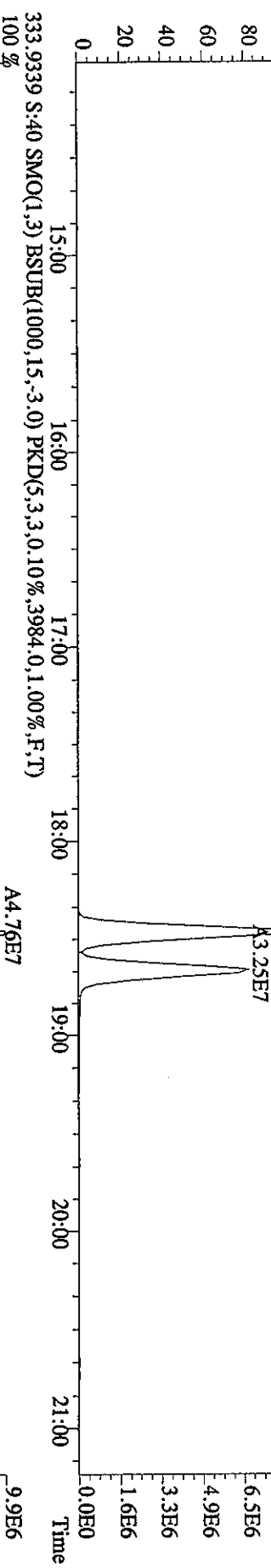
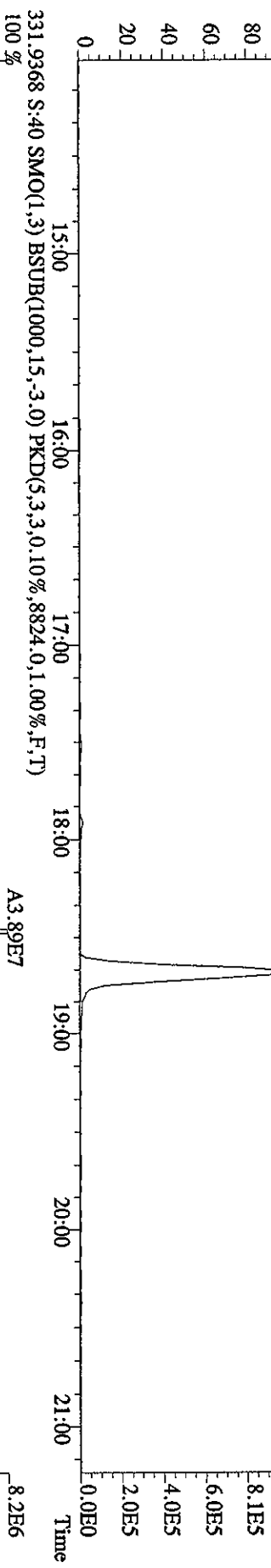
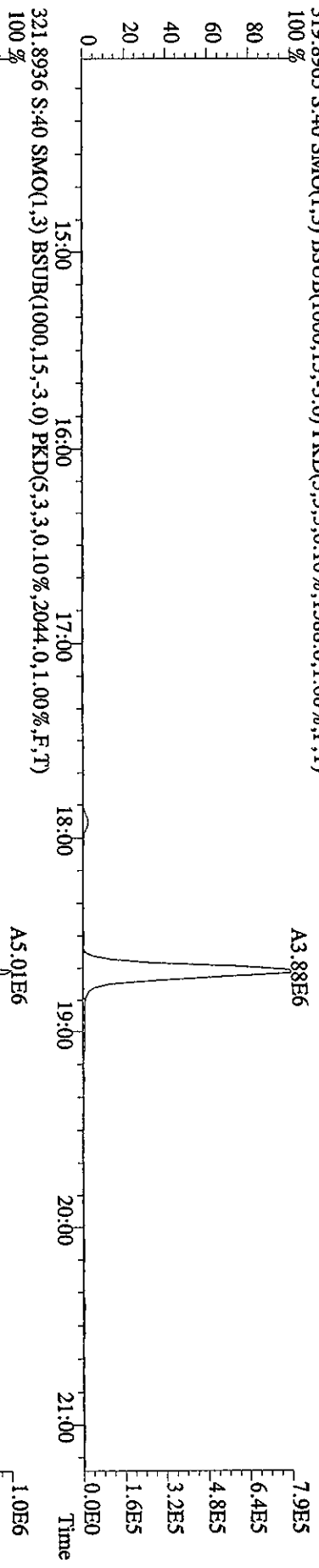


1.2E7
1.1E7
9.5E6
8.3E6
7.1E6
5.9E6
4.7E6
3.5E6
2.4E6
1.2E6
0.0E0

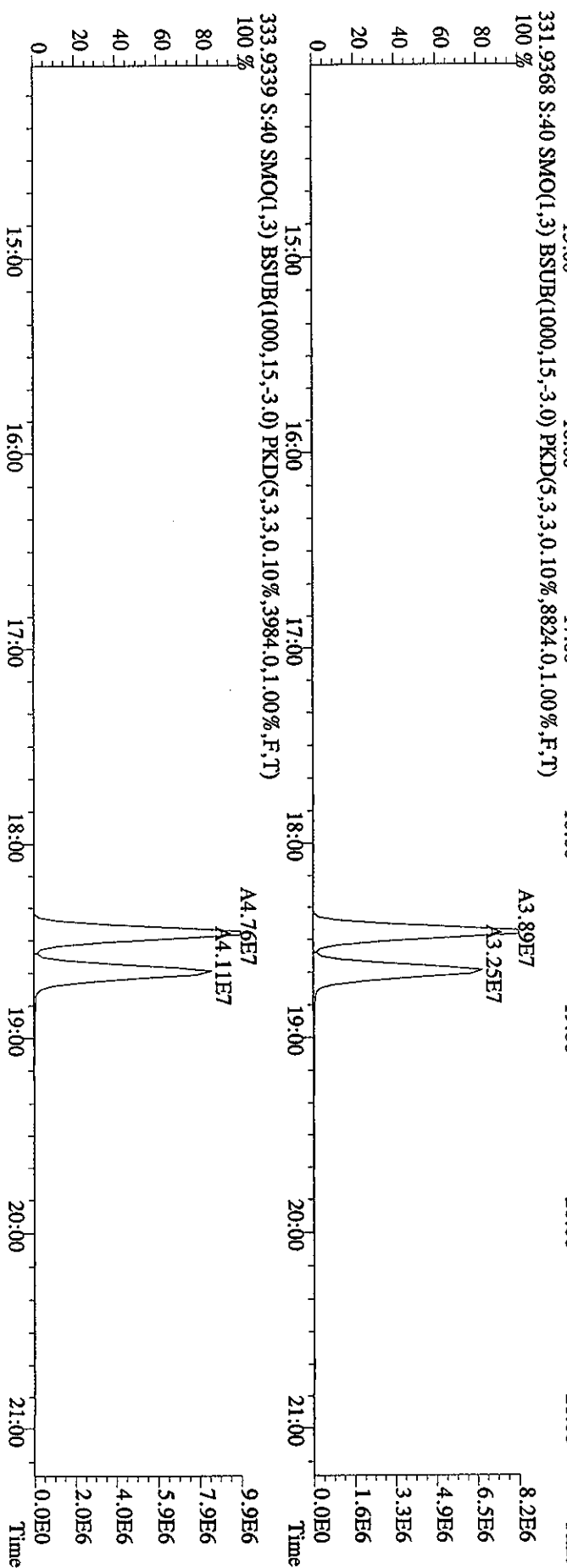
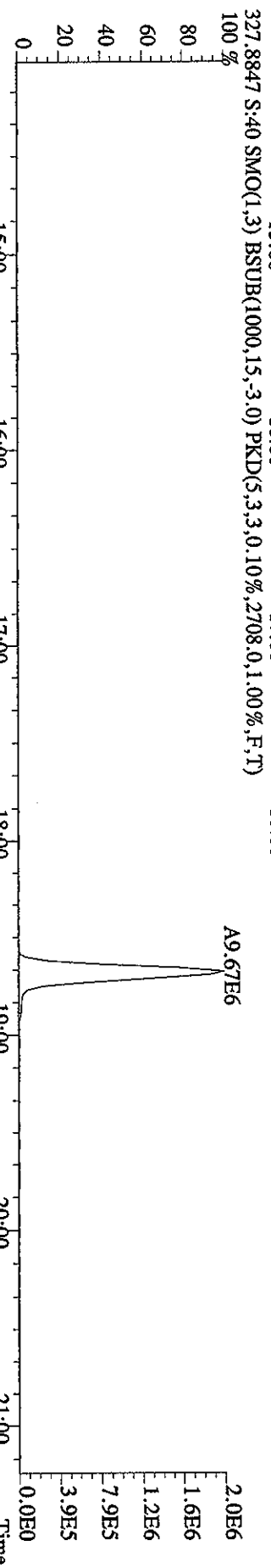
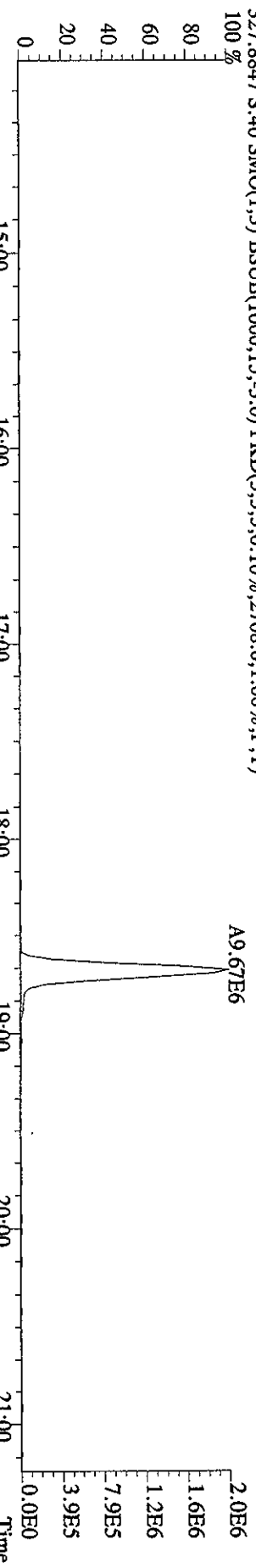
File: 20MR061D5 #1-393 Acq: 21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
Sample#40 Text: ST0320C : CS3 2565-41C Exp: DIOXIN
303.9016 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1232.0,1.00%,F,T)

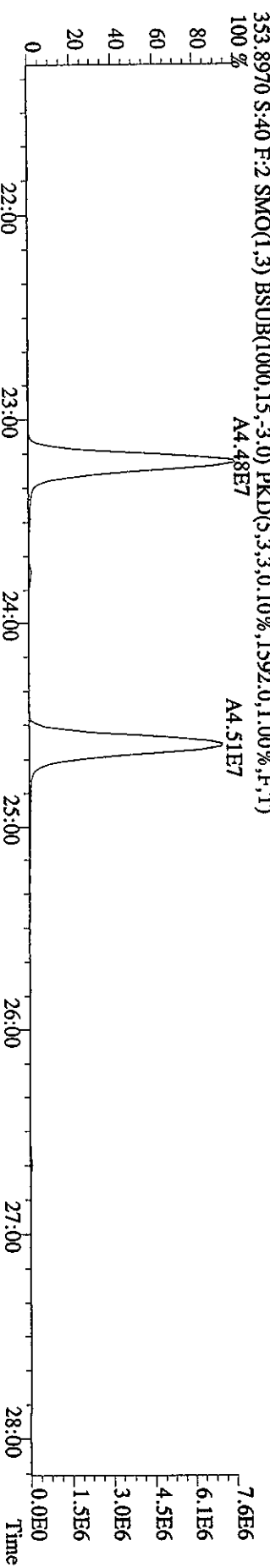
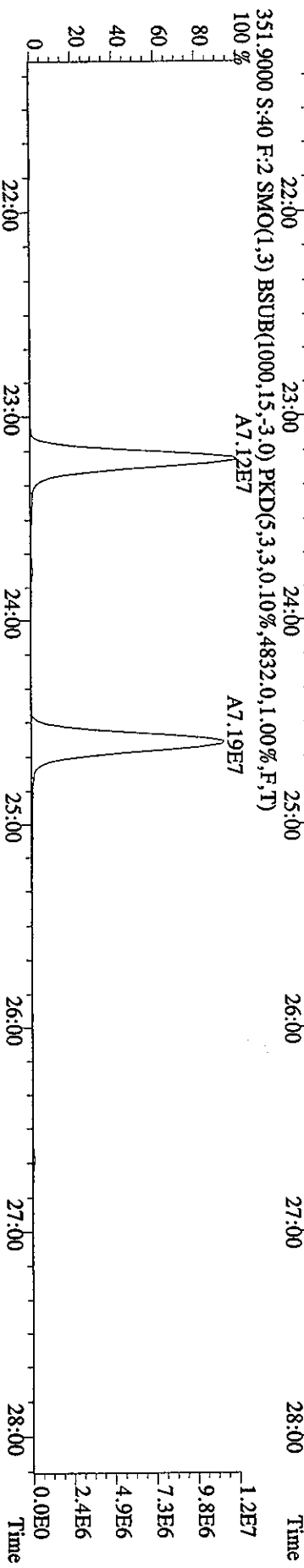
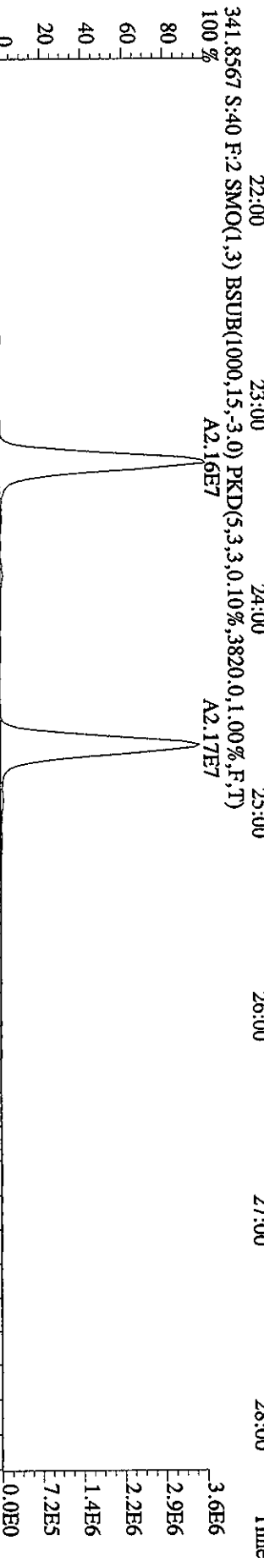
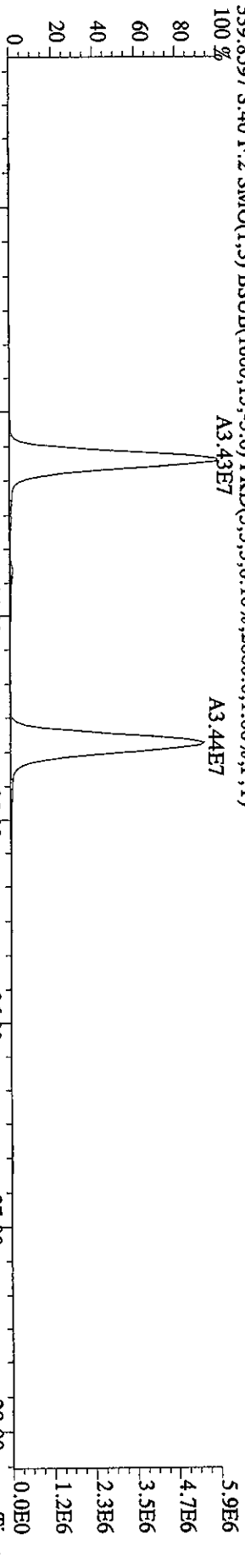


File: 20MR061D5 #1-393 Acq: 21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
 Sample#40 Text: ST0320C :CS3 2565-41C Exp: DIOXIN
 319.8965 S:40 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1588,0,1,00%,F,T)

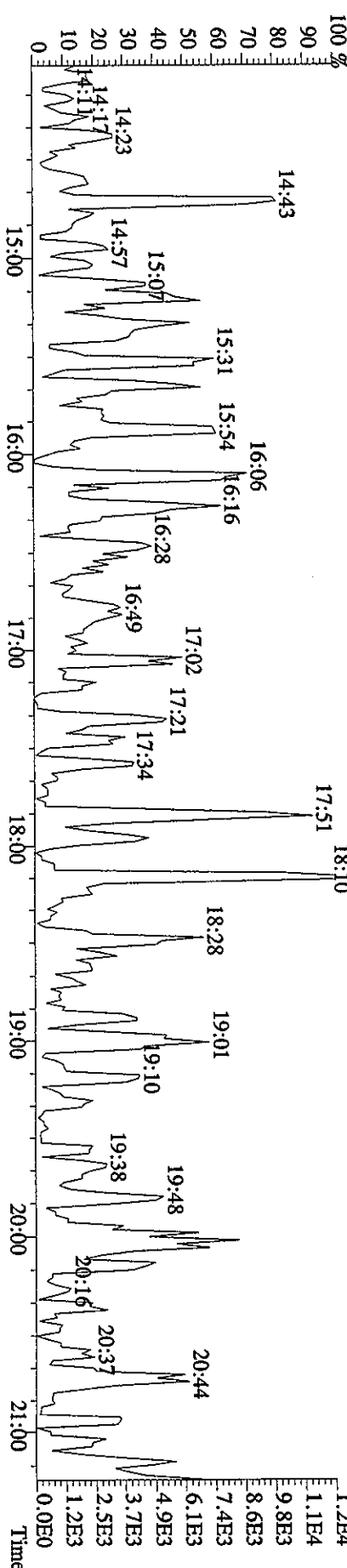
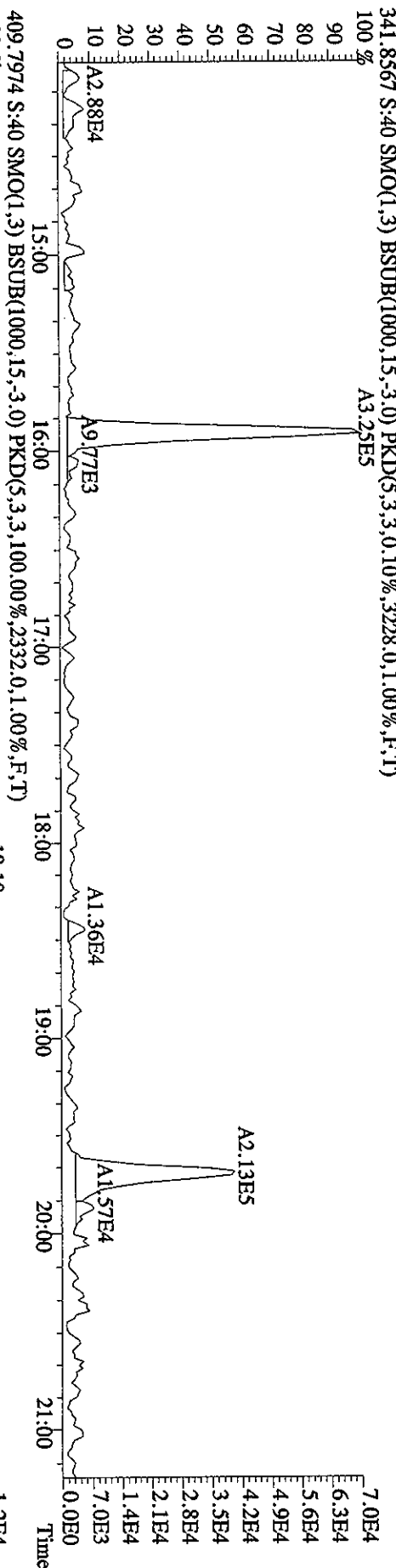
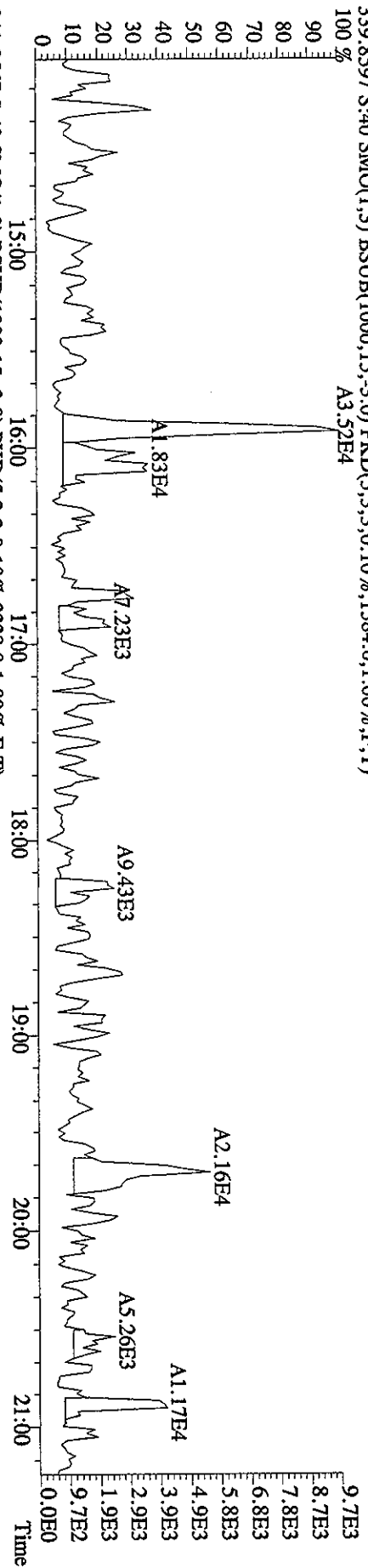


File:20MR061D5 #1-393 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
 Sample#40 Text:ST0320C :CSS 2565-41C Exp:DIOXIN
 327.8847 S:40 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2708,0,1,00%,F,T)

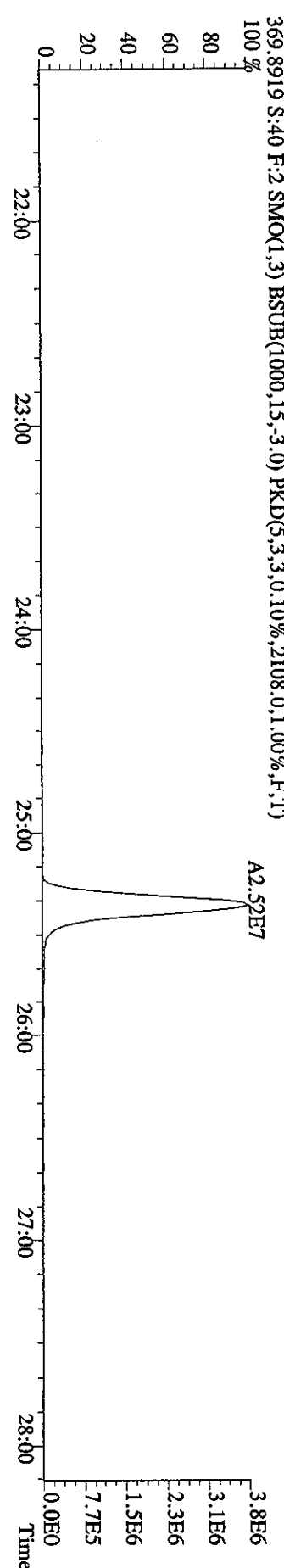
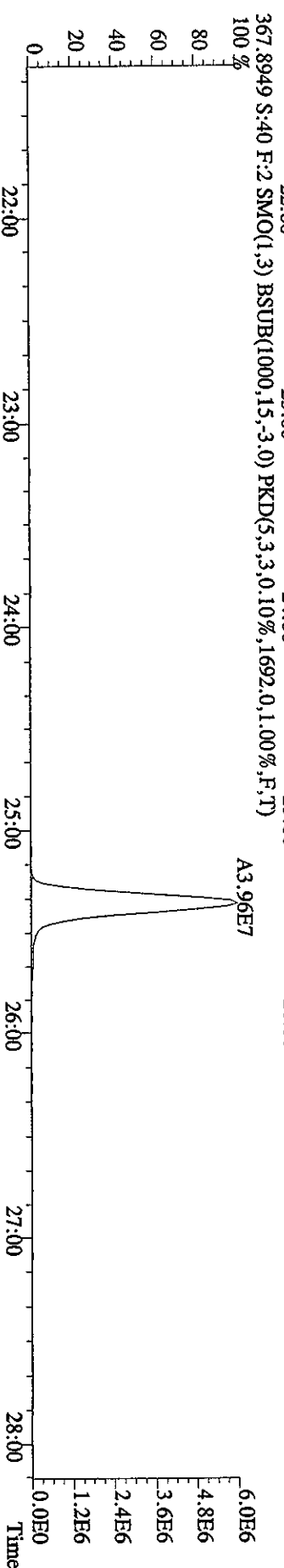
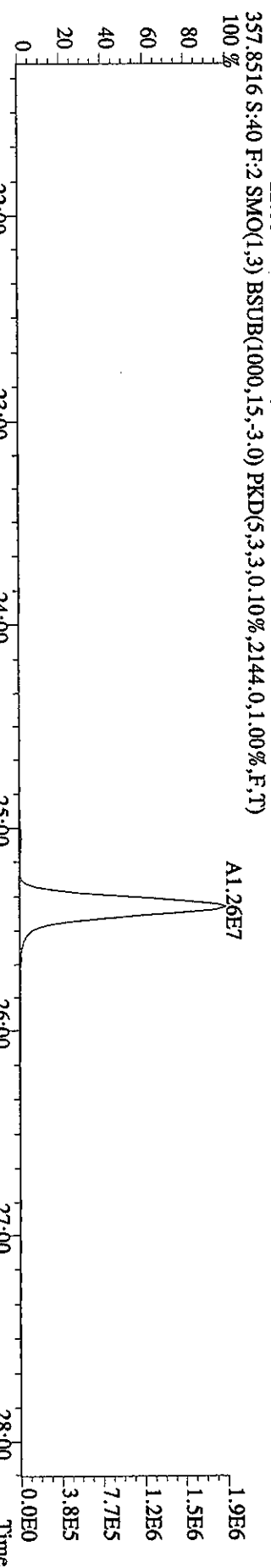
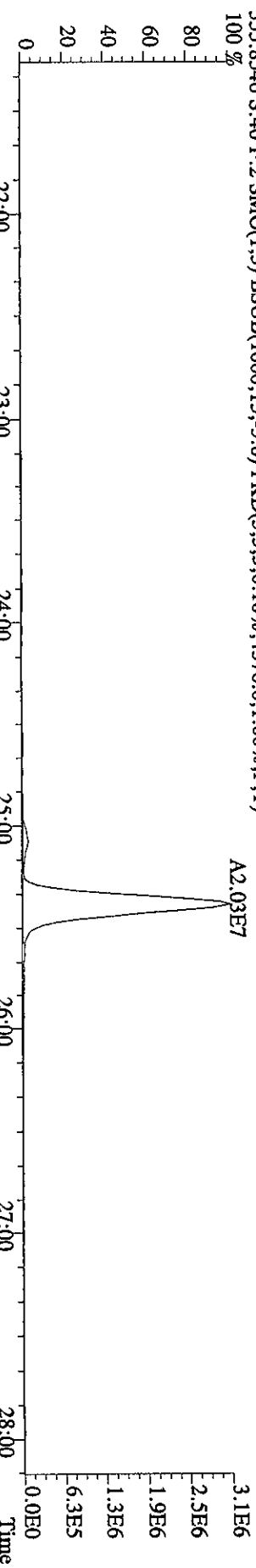




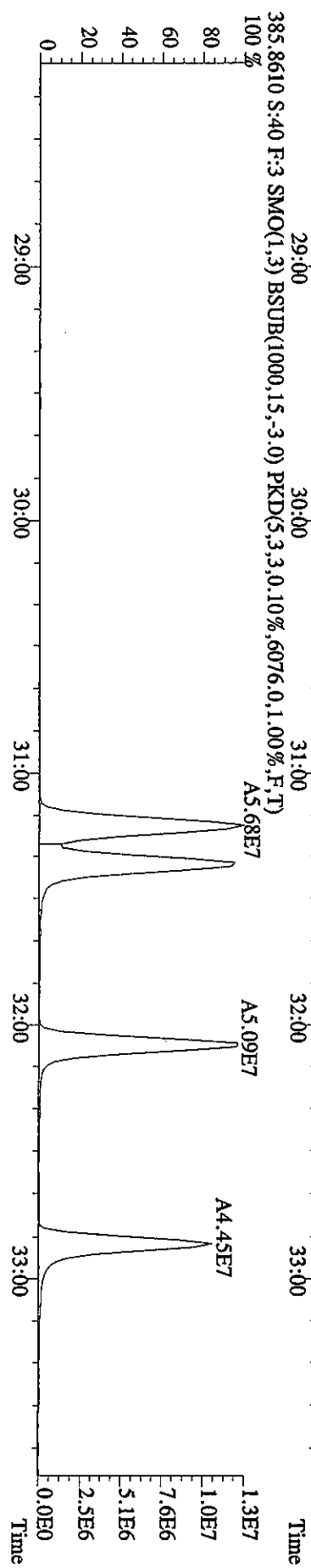
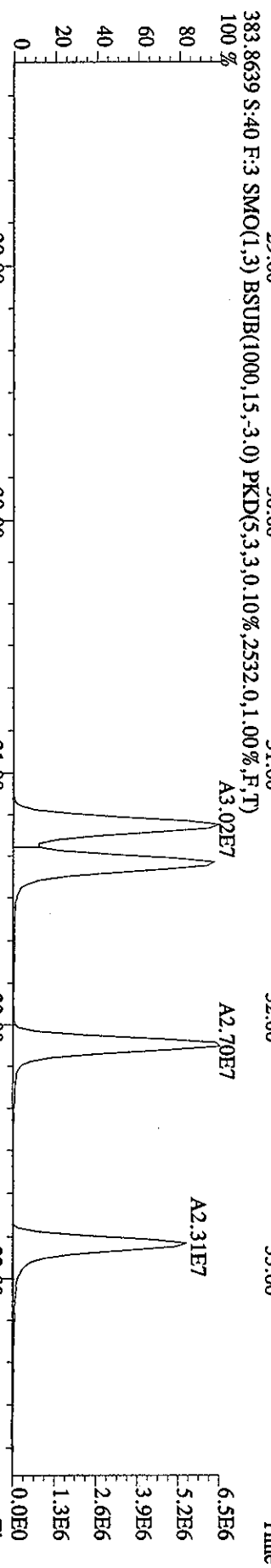
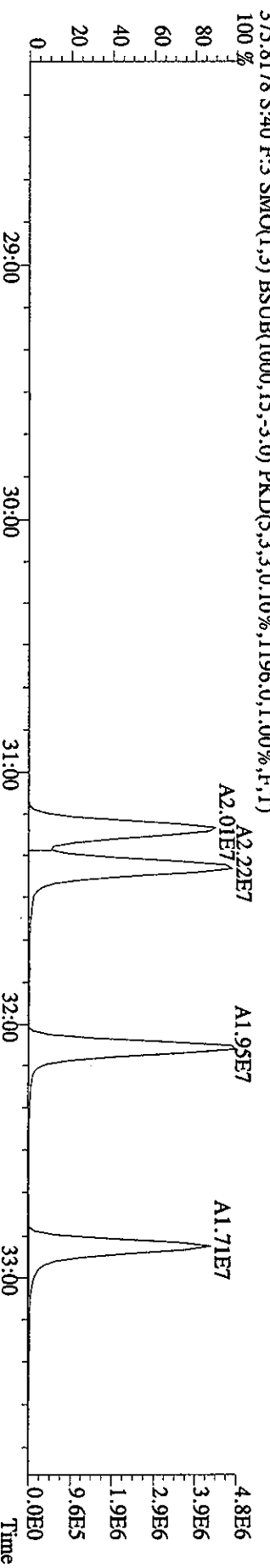
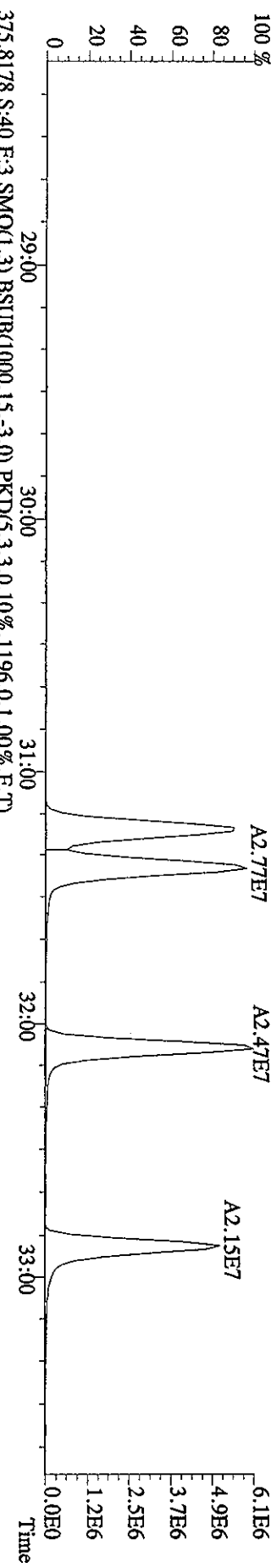
File: 20MR061D5 #1-393 Acq: 21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
 Sample#40 Text: ST0320C :CS3 2565-41C Exp: DIOXIN
 339.8597 S:40 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.00%,F,T)
 339.8597 S:40 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.384,0,1.00%,F,T)



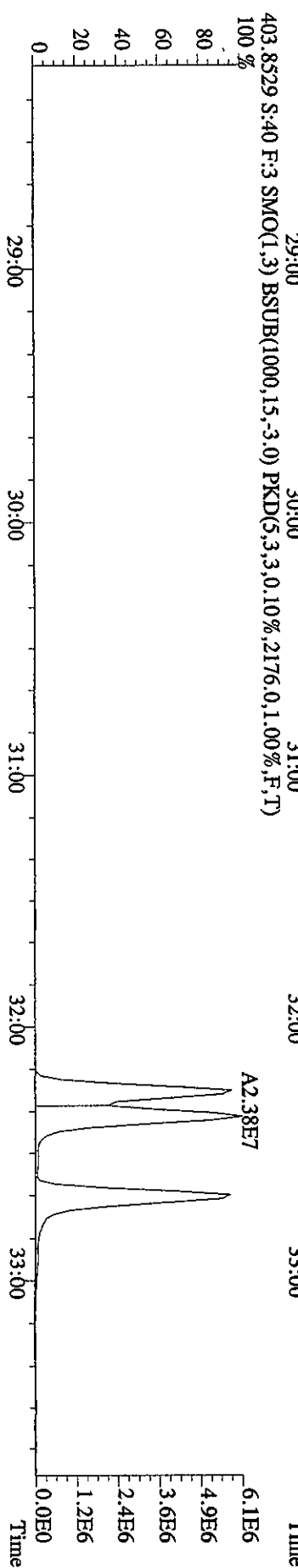
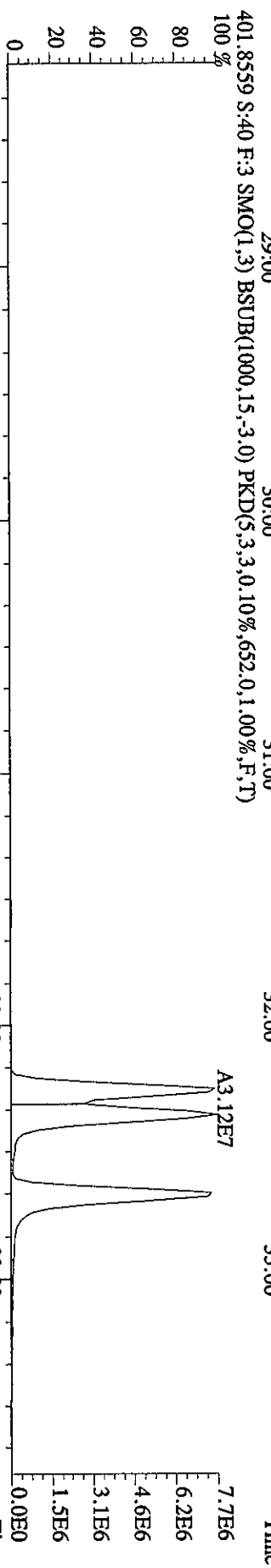
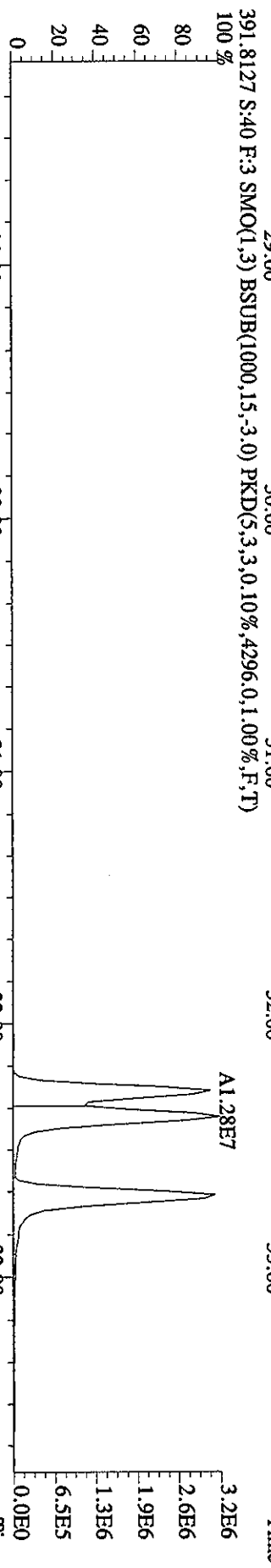
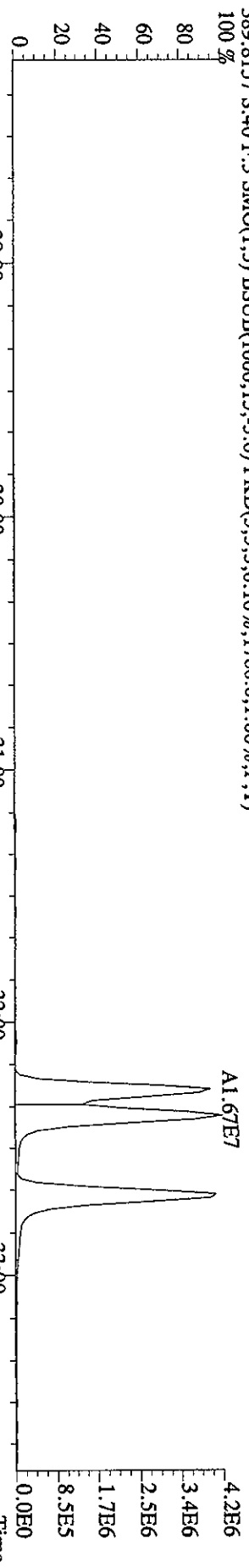
File: 20MR061D5 #1-487 Acq: 21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
 Sample#40 Text: ST0320C :CS3 2565-41C Exp: DIOXIN
 355.8546 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4376,0,1.00%,F,T)



File:20MR061D5 #1-375 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
 Sample#40 Text:ST0320C :CSS 2565-41C Exp:DIOXIN
 373.8208 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9700,0,1.00%,F,T)

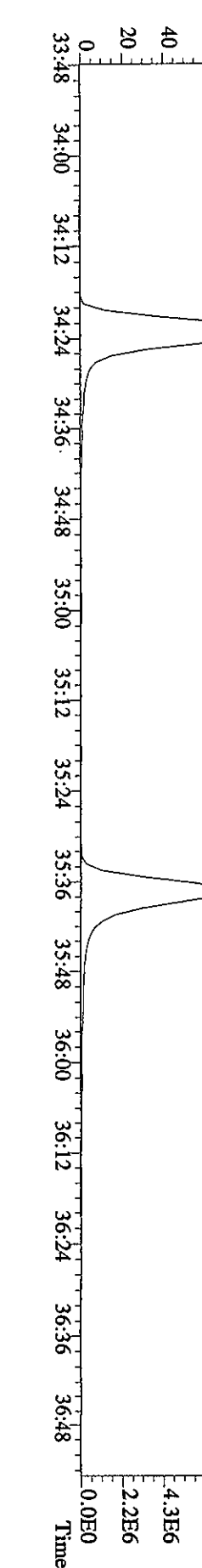
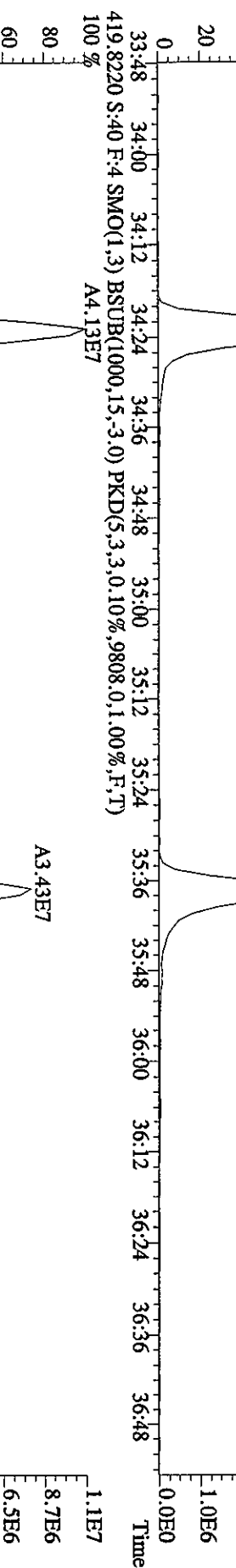
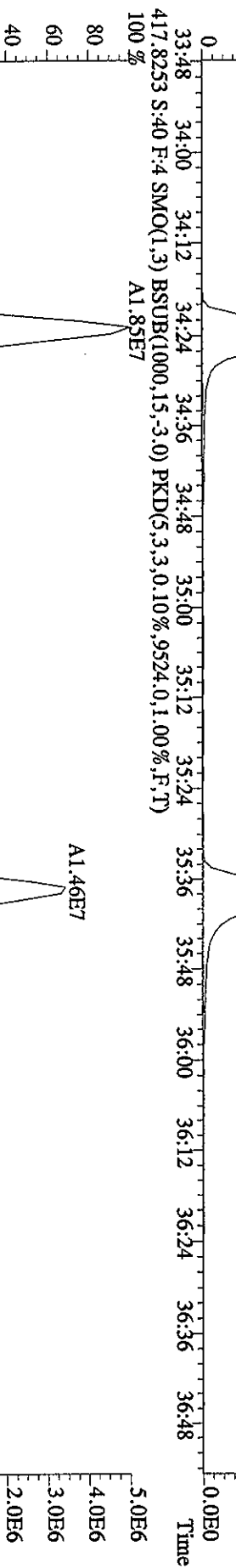
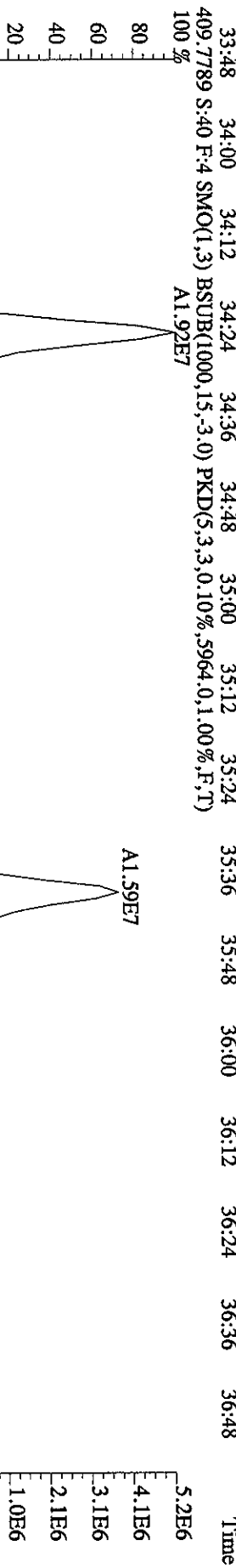
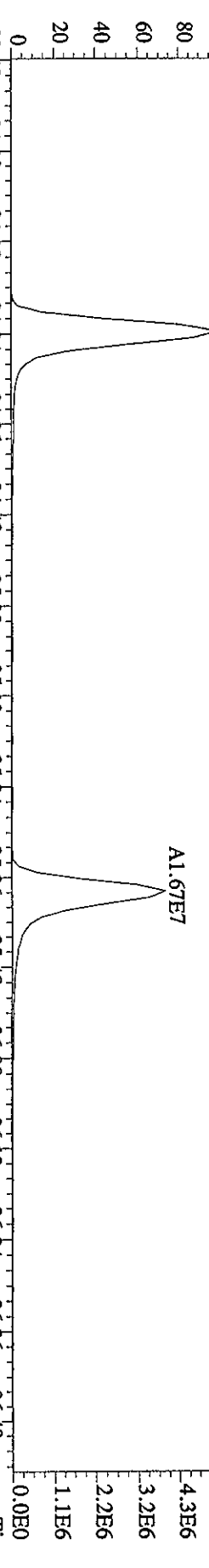


File:20MR061D5 #1-375 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
Sample#40 Text:ST0320C :CS3 2565-41C Exp:DIOXIN
389.8157 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)



Sample#40 Text:ST0320C :CSS 2565-41C Exp:DIOXIN

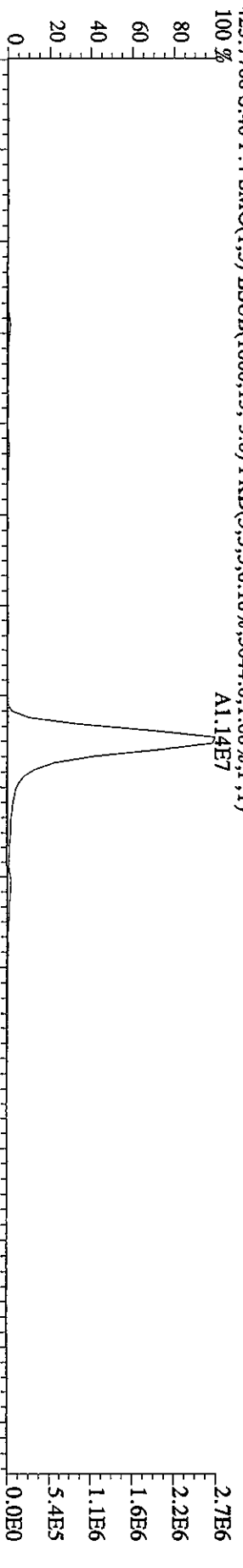
407.7818 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8328.0,1.00%,F,T)



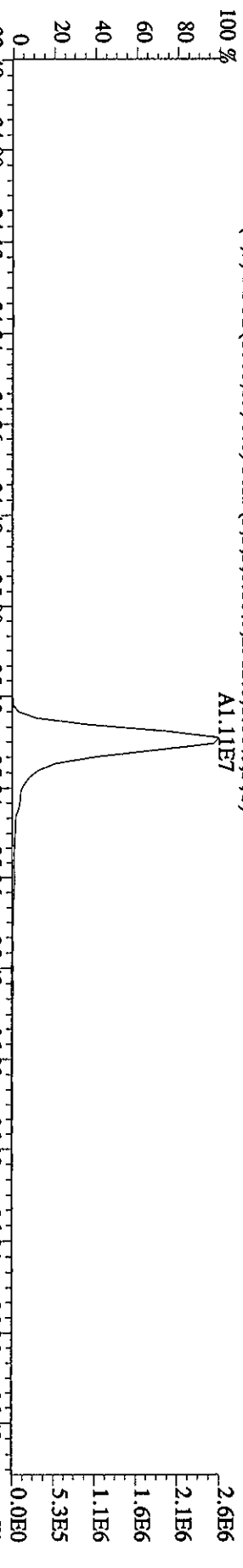
File:20MR061D5 #1-220 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE

Sample#40 Text:ST0320C :CS3 2565-41C Exp:DIOXIN

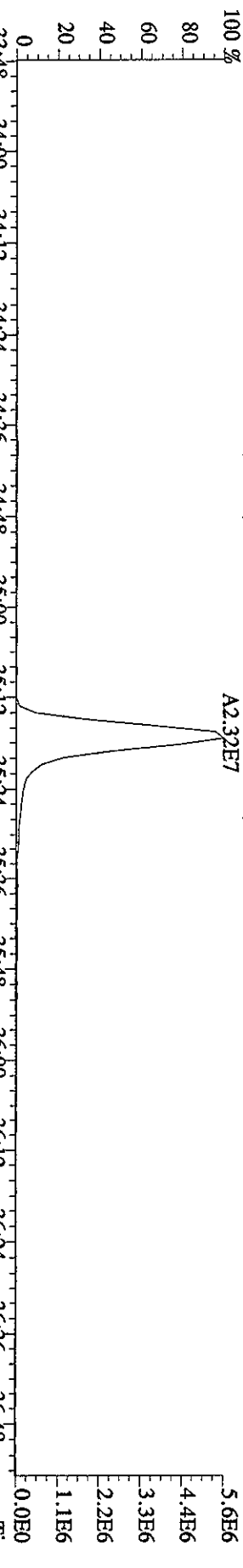
423.7766 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5044.0,1.00%,F,T)



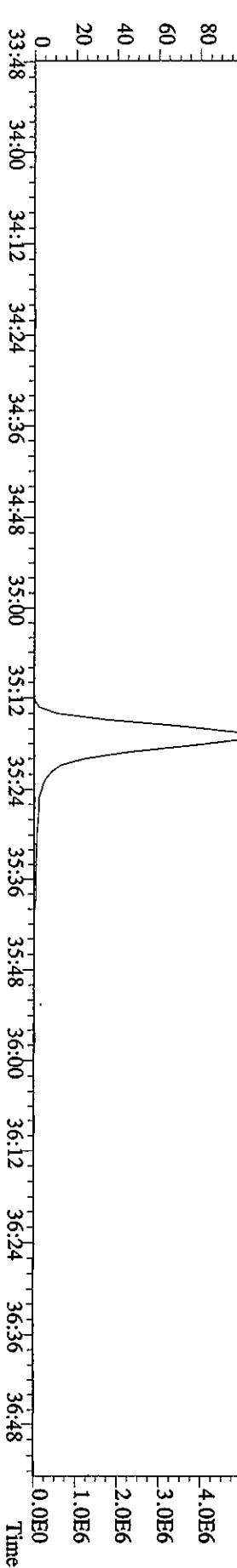
425.7737 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)



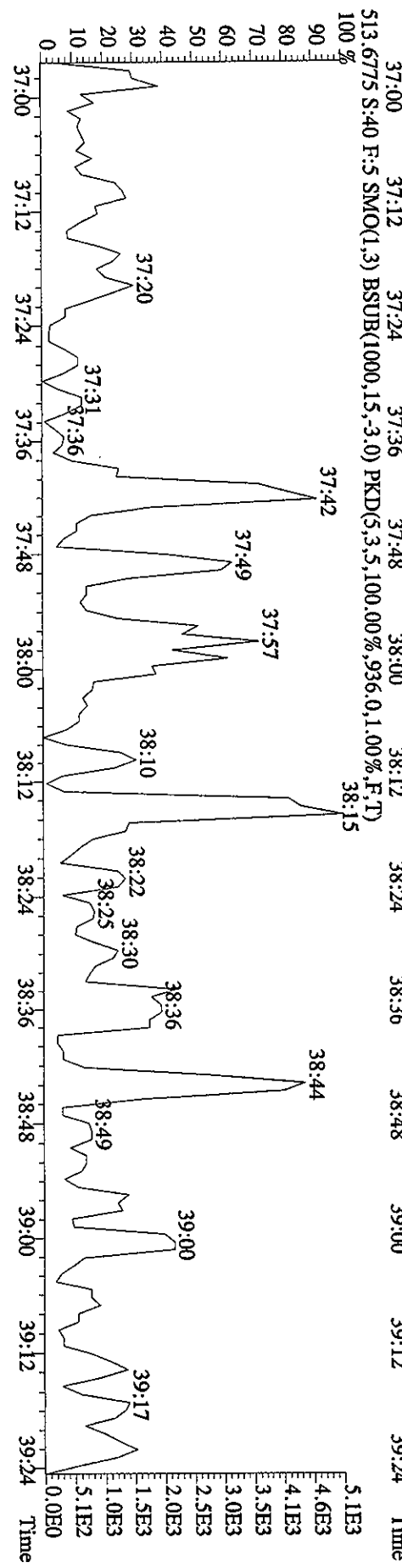
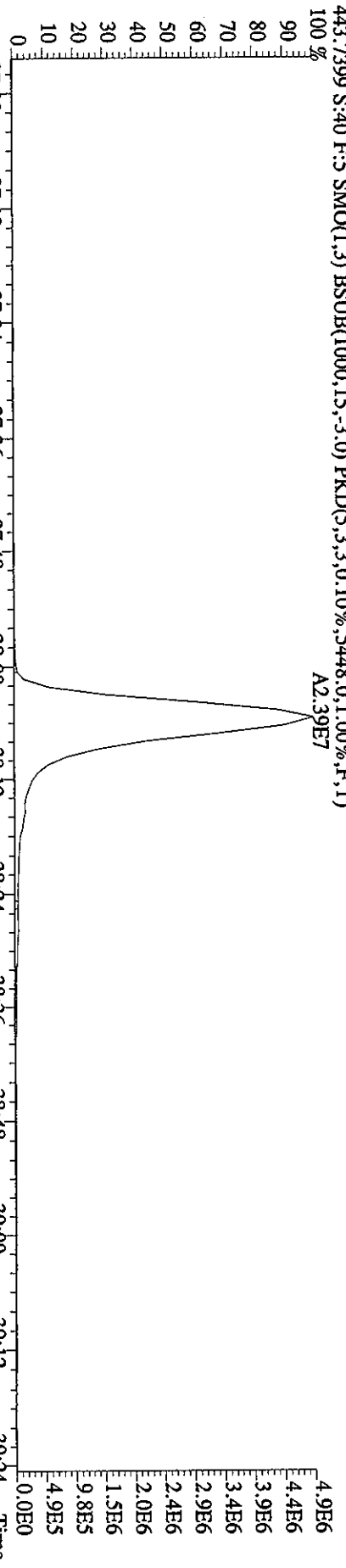
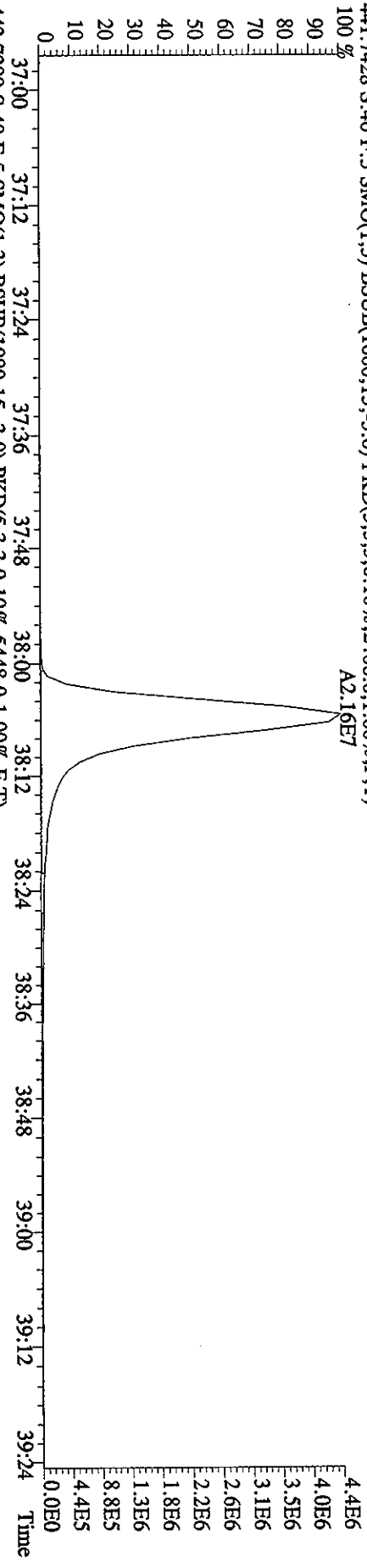
435.8169 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10144.0,1.00%,F,T)



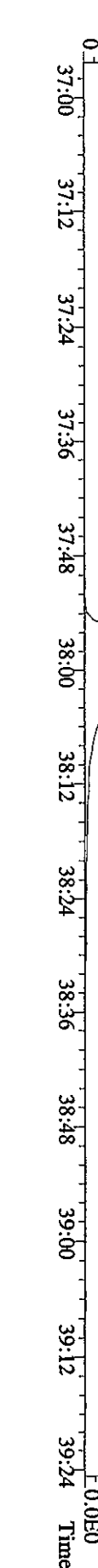
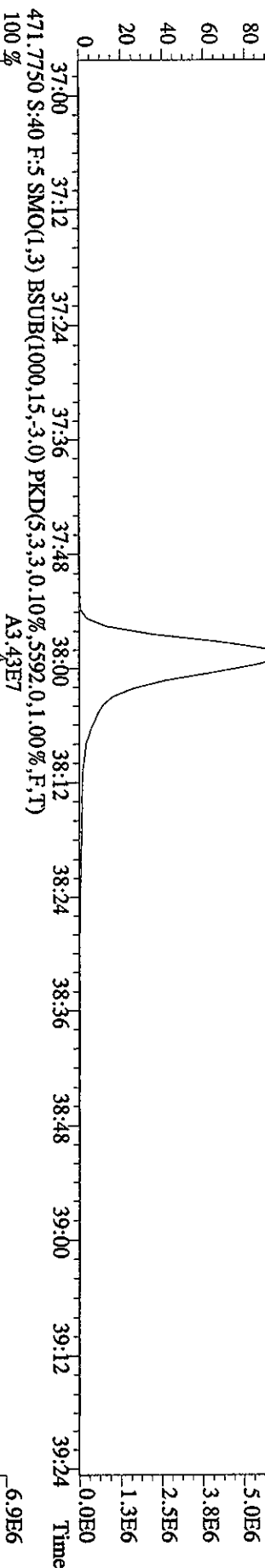
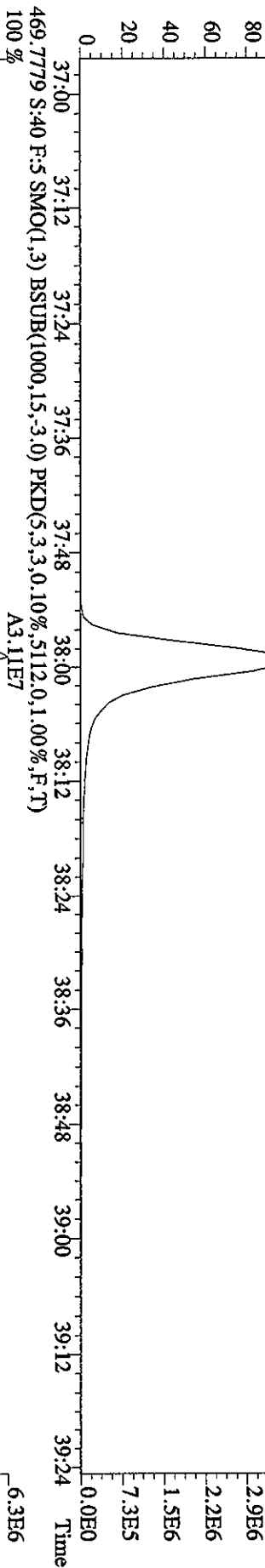
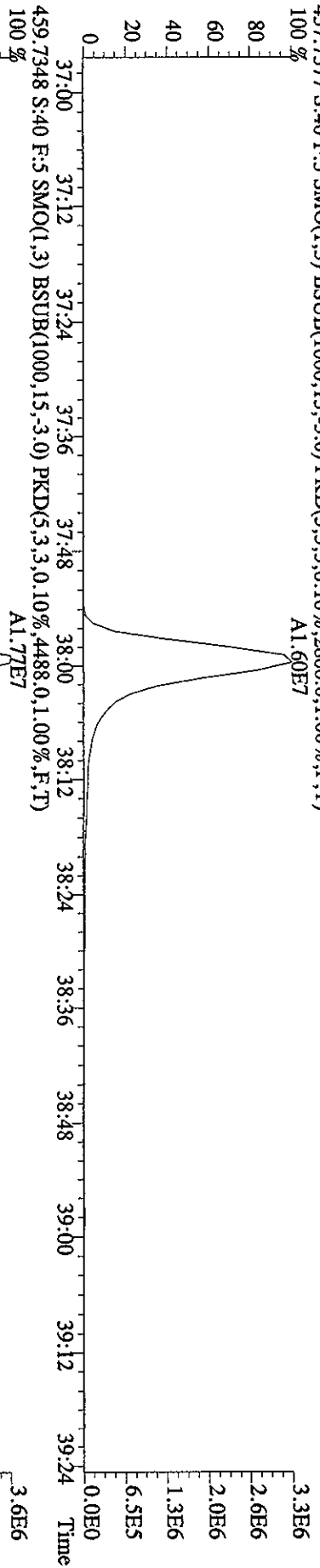
437.8140 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4756.0,1.00%,F,T)



File: 20MR061D5 #1-179 Acq: 21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
 Sample#40 Text: ST0320C :CS3 2565-41C Exp: DIOXIN
 441.7428 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2408,0.1,00%,F,T)



File:20MR061D5 #1-179 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
Sample#40 Text:ST0320C :CS3 2565-41C Exp:DIOXIN
457.7377 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800,0.1,00%,F,T)
100% A1.60E7

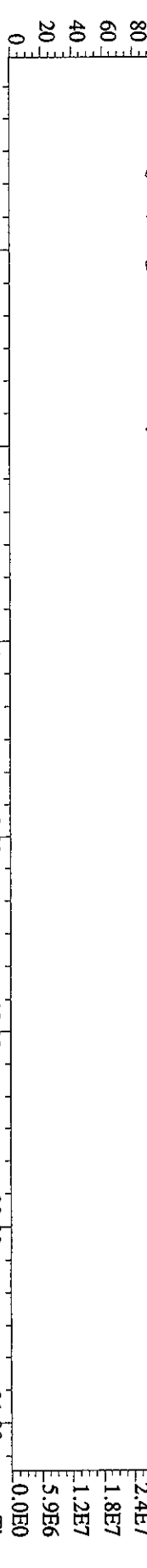


File:20MR061D5 #1-393 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE

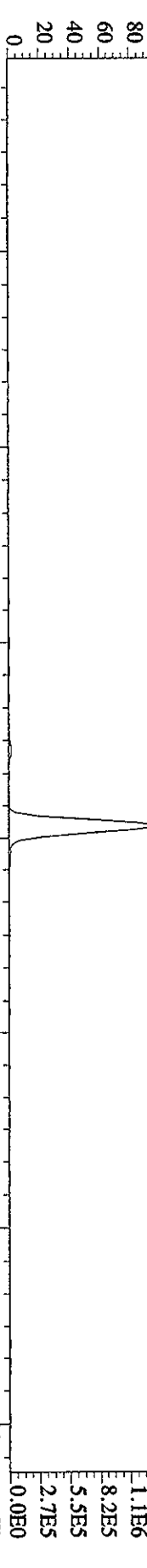
Sample#40 Text:ST0320C :CS3 2565.41C Exp:DIOXIN

292.9825 S:40 SMO(1,3) PKD(5,3,5,100,00%,0.0,1.00%,F,T)

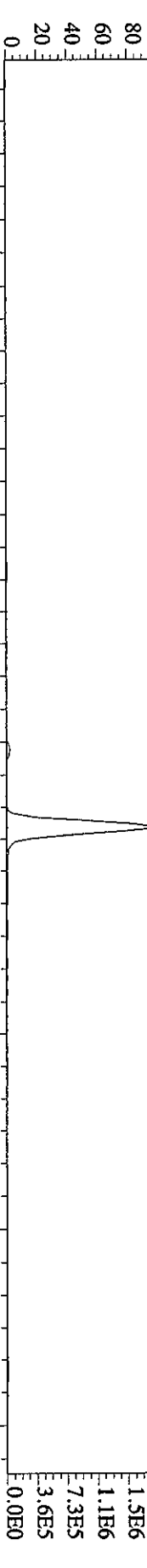
100% 4:11 14:34 14:59 15:27 15:58 16:38 17:03 17:25 18:11 19:03 19:36 20:00 20:33 21:02 2.9E7



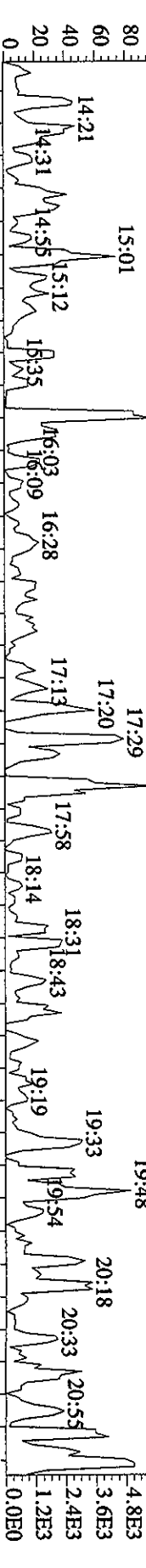
303.9016 S:40 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1232.0,1.00%,F,T)



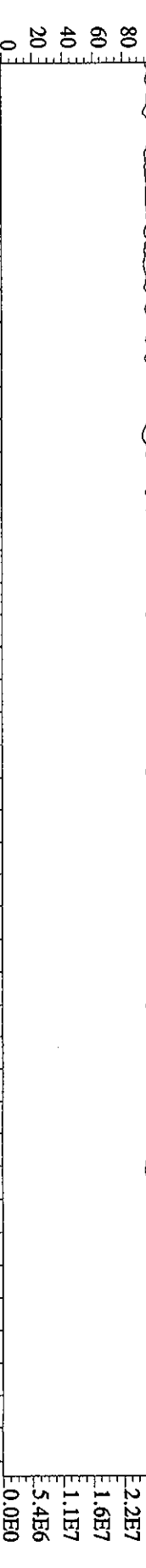
305.8987 S:40 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2484.0,1.00%,F,T)

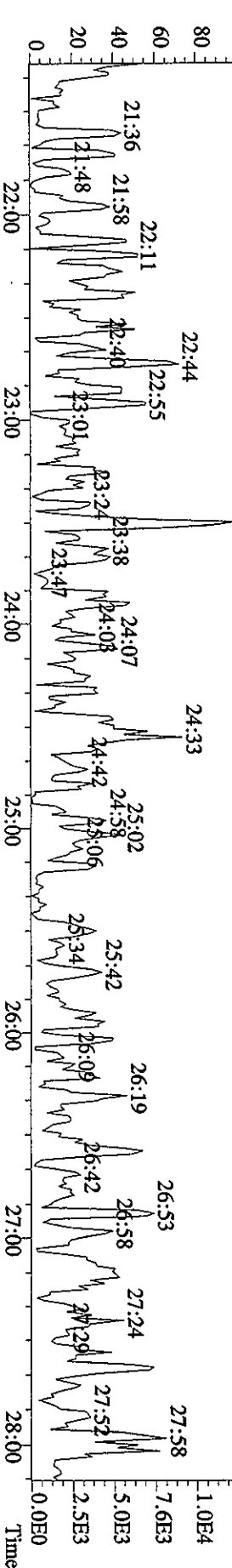
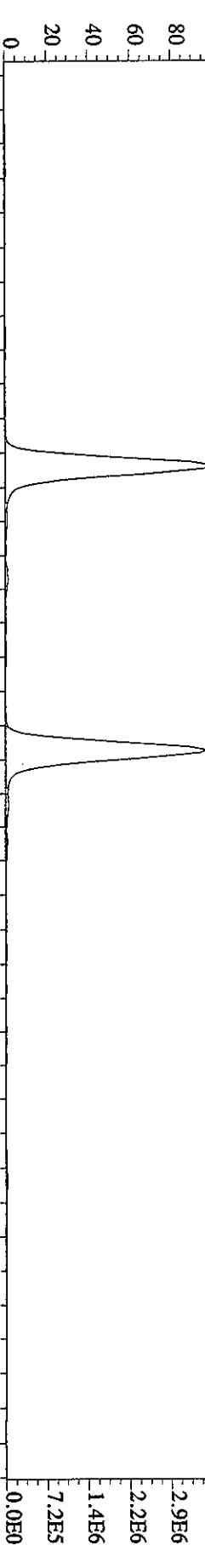
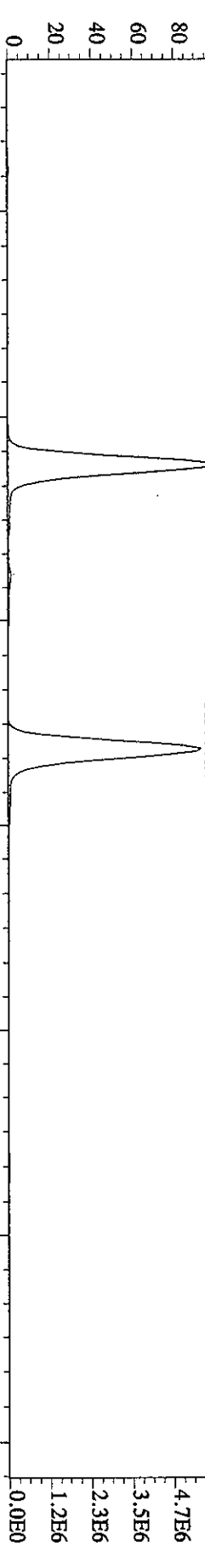
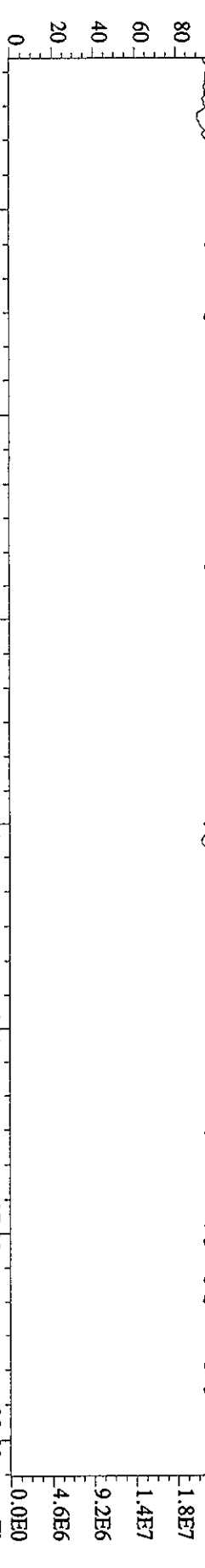


375.8364 S:40 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,1016.0,1.00%,F,T)

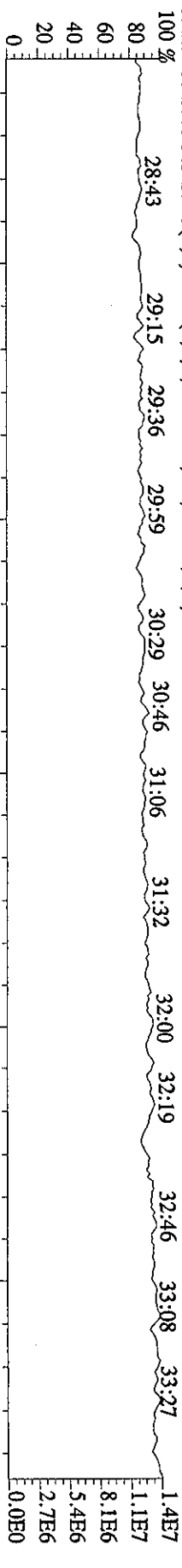


330.9792 S:40 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)

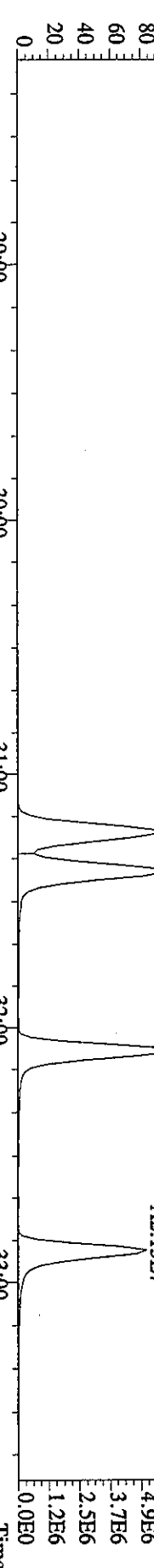




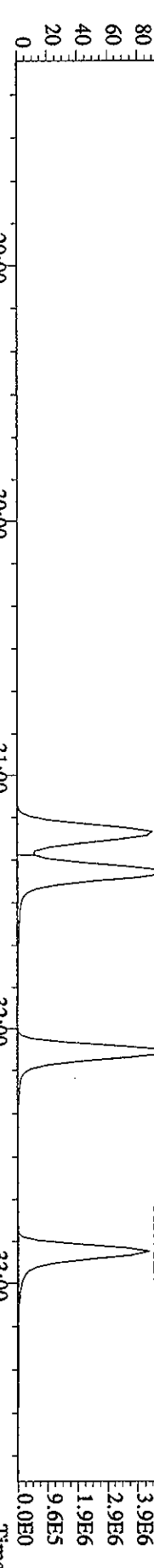
File:20MR061D5 #1-375 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage SIR 70SE
 Sample#40 Text:ST0320C :CSS 2565-41C Exp:DIOXIN
 392.9760 S:40 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



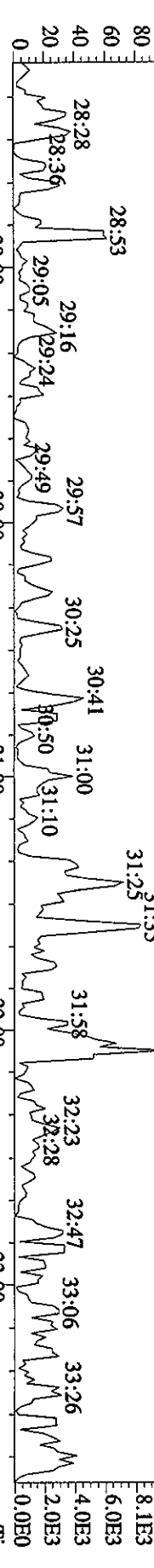
373.8208 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9700,0.1,00%,F,T)
 100%
 29:00 30:00 31:00 32:00 33:00
 Time



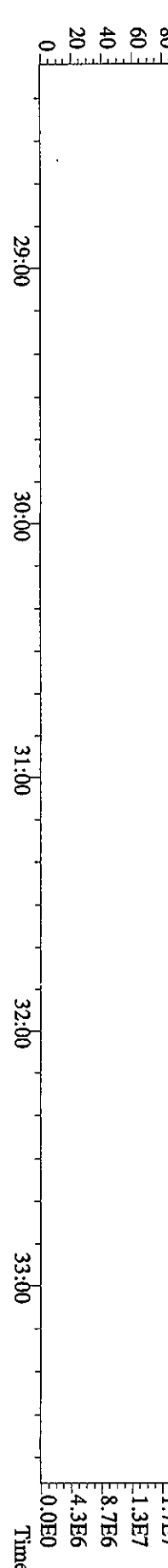
375.8178 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196,0.1,00%,F,T)
 100%
 29:00 30:00 31:00 32:00 33:00
 Time

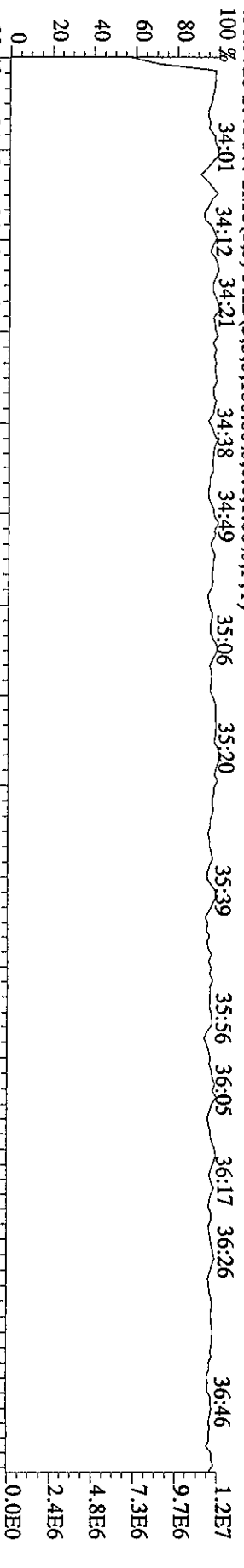


445.7555 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368,0.1,00%,F,T)
 100%
 29:00 30:00 31:00 32:00 33:00
 Time

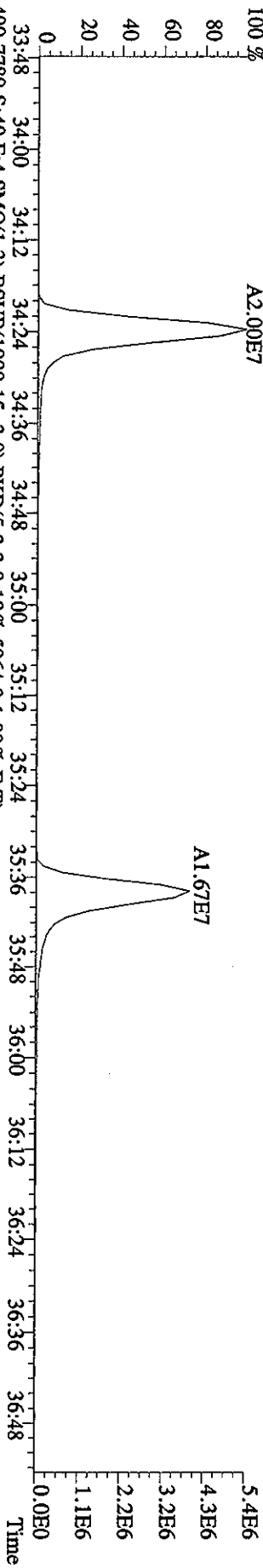


380.9760 S:40 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%
 28:00 29:00 30:00 31:00 32:00 33:00
 Time

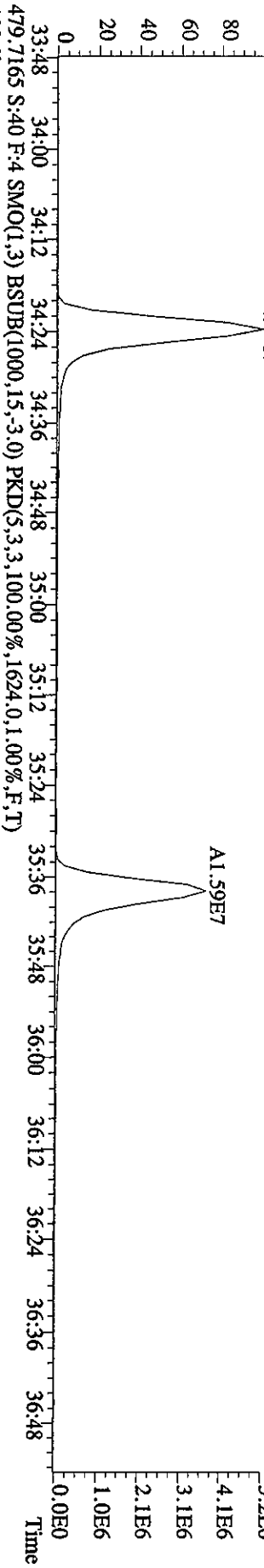




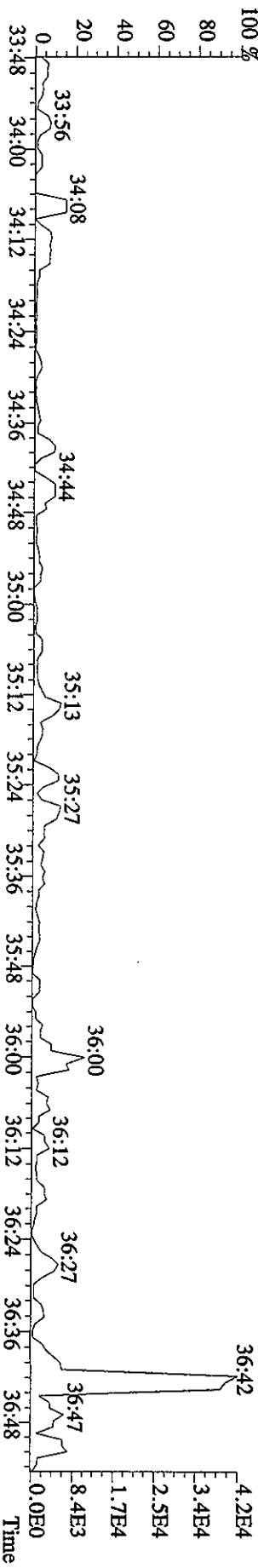
407.7818 S:40 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,8328.0,1.00%,F,T)



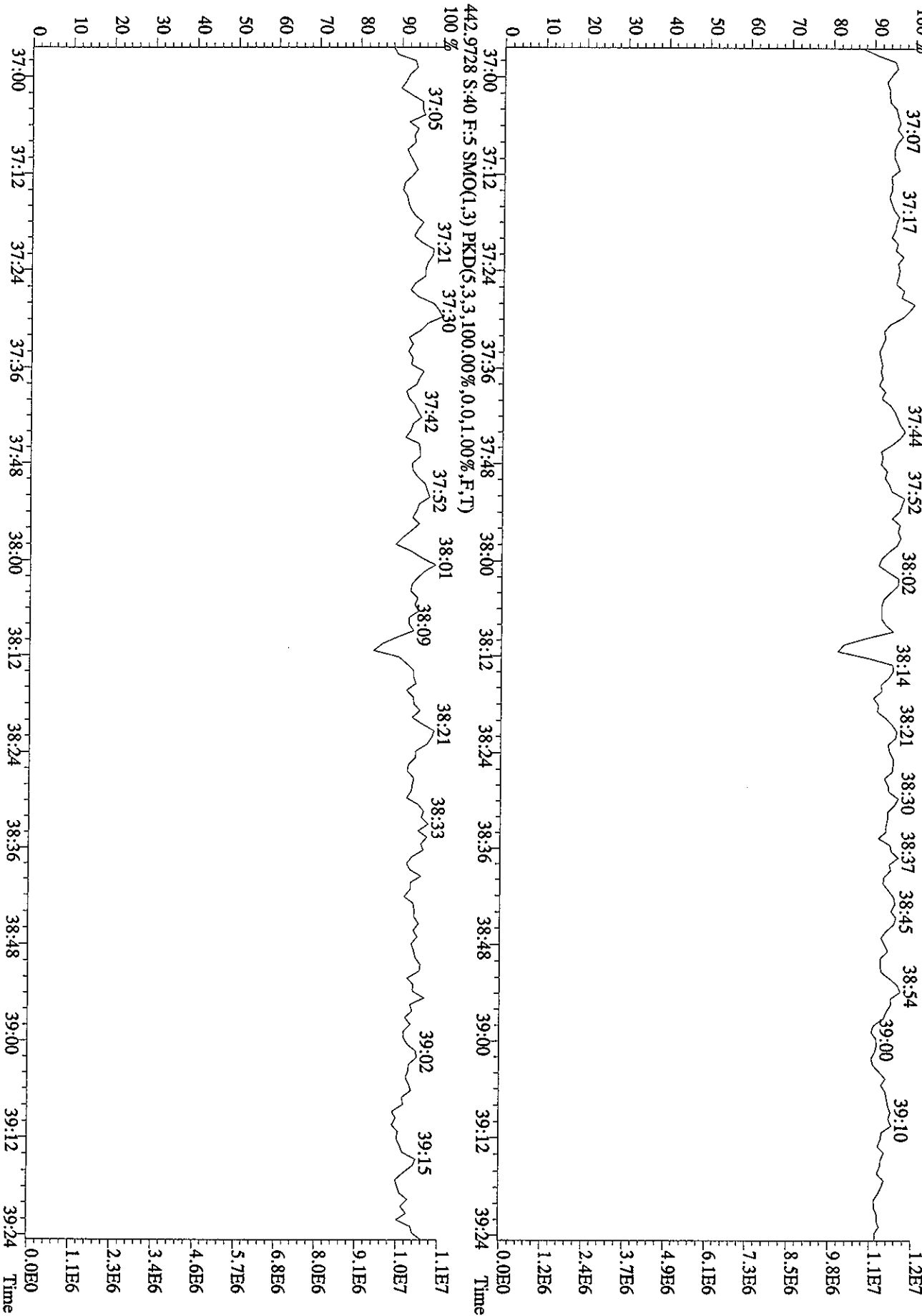
409.7789 S:40 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,5964.0,1.00%,F,T)



479.7165 S:40 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1624.0,1.00%,F,T)



File:20MR061D5 #1-179 Acq:21-MAR-2006 13:37:32 GC EI+ Voltage S1R 70SE
 Sample#40 Text:ST0320C :CS3 2565-41C Exp:DIOXIN
 454.9728 S:40 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Method ID 8290
 Column ID DB225
 STD ID ST0319, ST0319A
 Analyzed by M.G.
 Std. Pkg. By M.G.
 Std. Pkg. Reviewed By SMA

Associated ICAL DB225091505702
 Instrument ID 702
 STD Solution 2565-41c
 Date Analyzed 3/19/06
 Date Std. Pkg. Assembled 3/20/06
 Date Std. Pkg. Reviewed 3/20/06

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?*	✓⓪	✓⓪
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 and Ending Static Resolutions present?	✓	✓

COMMENTS: _____

* Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
 Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
 Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
 Method 23: See Method 23 Daily Standard Criteria, Table 5.
 Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
 PAH: +/- 30% from curve RRFs for native and labeled compounds.
 PCB: +/- 30% or 40% (analyte dependent) from curve RRFs for native, +/- 50% from curve RRFs for labeled compounds.
 NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
 DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
 551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
 GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0319 File text: ST0319 :CS3 2565-41C
Run #6 Filename 19MR067D2 S: 1 I: 1
Acquired: 19-MAR-06 11:06:04 Processed: 20-MAR-06 08:17:48
Run: 19MR067D2 Analyte: DB225 Cal: DB2250915057D2 Results: 19MR067D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	27430700	0.74 y	11:26	-	100.00	-	n
13C-2,3,7,8-TCDF	40785700	0.79 y	12:22	1.49	100.00	-0.6	n
2,3,7,8-TCDF	3392880	0.79 y	12:23	0.83	10.00	-9.5	n
13C-2,3,7,8-TCDD	15951800	0.82 y	11:15	0.58	100.00	-28.0	n
2,3,7,8-TCDD	2171388	0.76 y	11:16	1.36	10.00	10.5	n
37Cl-2,3,7,8-TCDD	4696000	1.00 y	11:16	1.71	10.00	-12.8	n

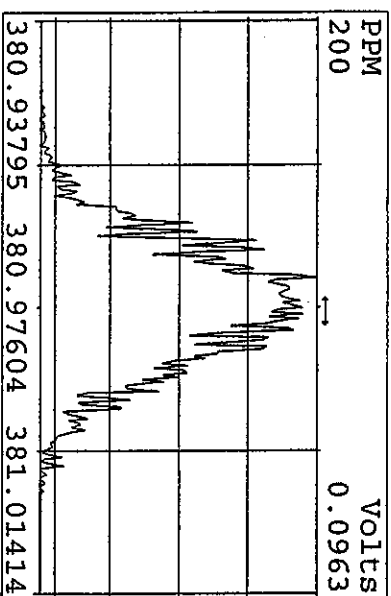
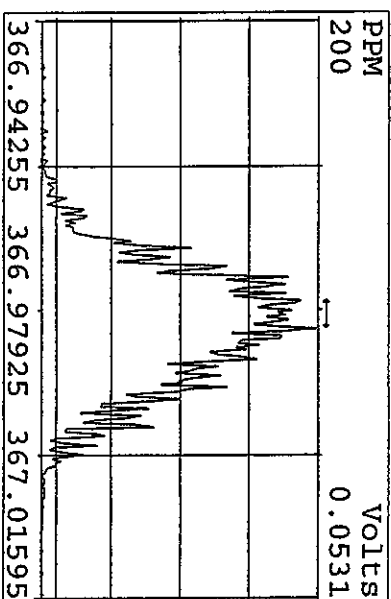
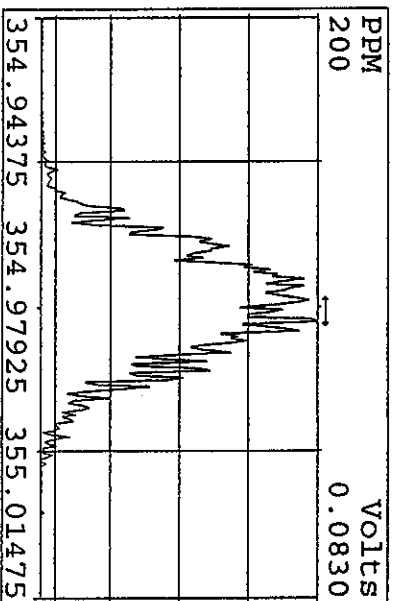
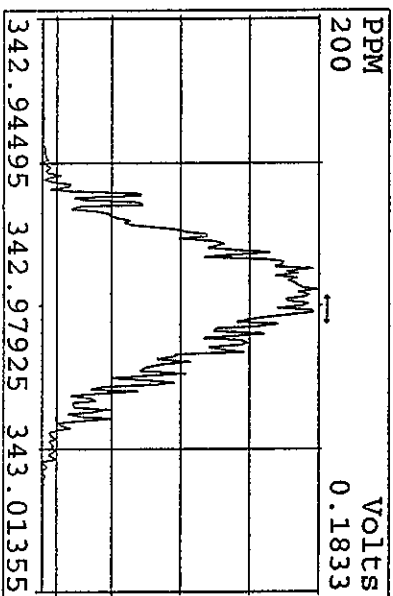
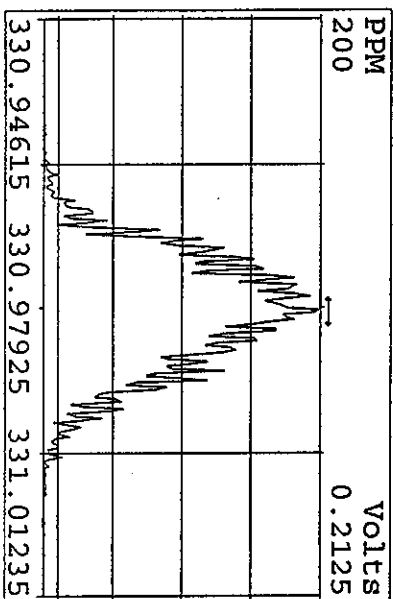
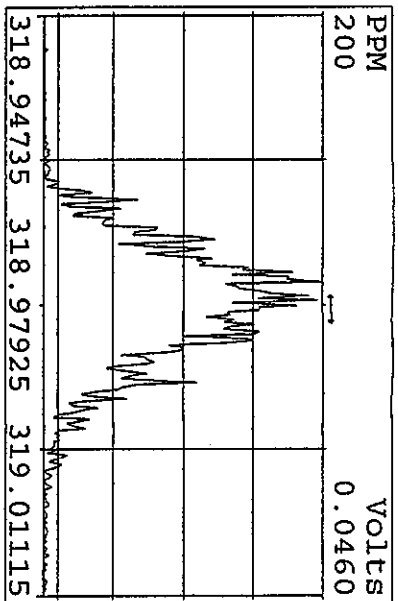
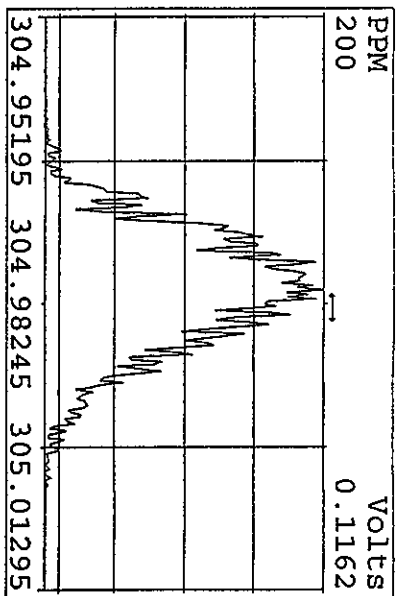
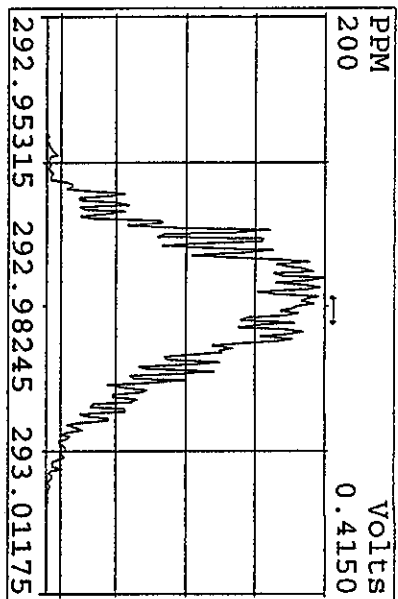
Run text: ST0319A File text: ST0319A :CS3 2565-41C
Run #23 Filename 19MR067D2 S: 21 I: 1
Acquired: 19-MAR-06 23:14:22 Processed: 20-MAR-06 08:17:56
Run: 19MR067D2 Analyte: DB225 Cal: DB2250915057D2 Results: 19MR067D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	25869200	0.85 y	11:25	-	100.00	-	n
13C-2,3,7,8-TCDF	46965100	0.79 y	12:20	1.82	100.00	21.4	n
2,3,7,8-TCDF	3881260	0.77 y	12:21	0.83	10.00	-10.1	n
13C-2,3,7,8-TCDD	20768410	0.85 y	11:15	0.80	100.00	-0.6	n
2,3,7,8-TCDD	2473430	0.71 y	11:15	1.19	10.00	-3.3	n
37Cl-2,3,7,8-TCDD	5096580	1.00 y	11:15	1.97	10.00	0.3	n

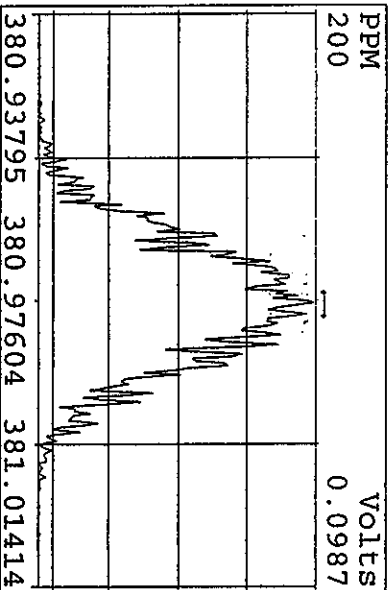
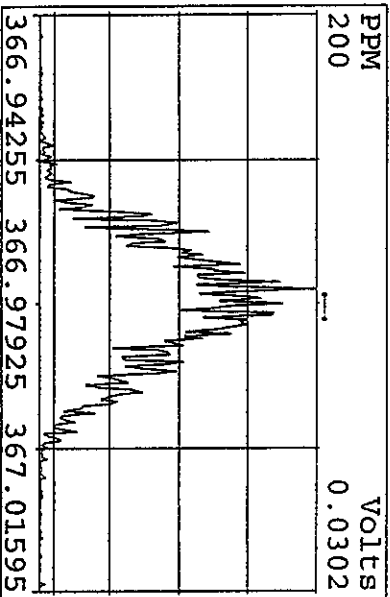
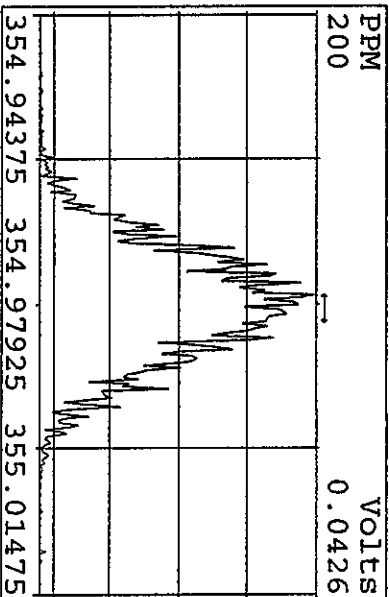
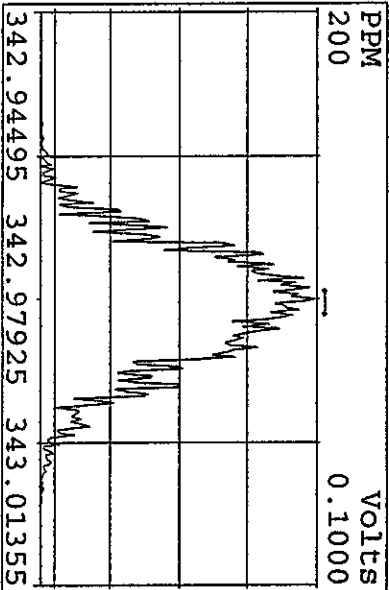
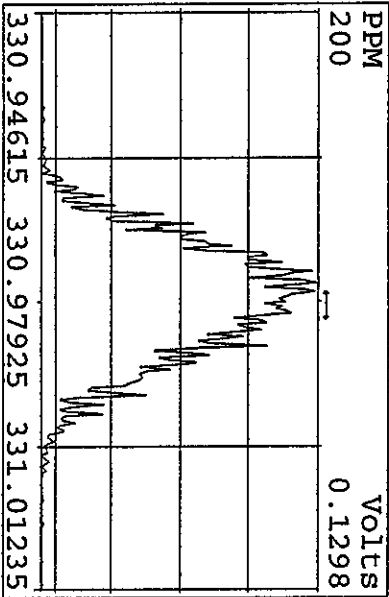
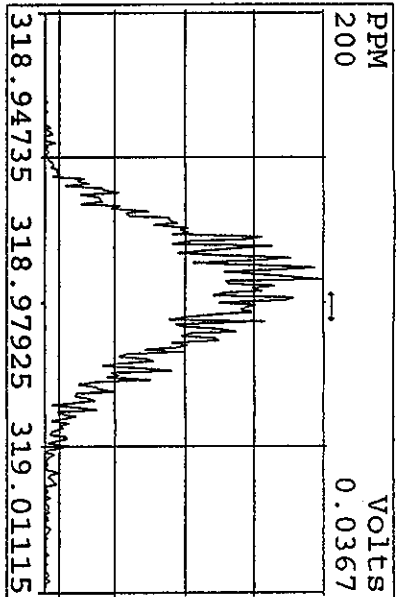
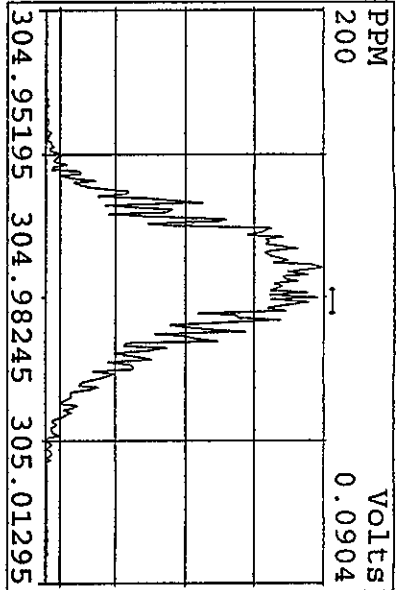
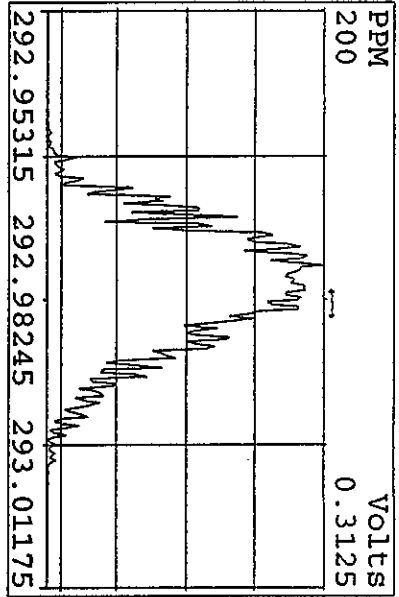
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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19MR067D2	2	CP0319	DB-225 CPSM 2565-57				1.000	
19MR067D2	3	SB0319	Solvent Blank C-14				1.000	
19MR067D2	4	H017J-1-AD	G6C100135-1	20	1613B/SOLID	52	10.000	g
19MR067D2	5	H04J3-1-AC	G6C100432-1	20	1613B/SOLID		5.000	g
19MR067D2	6	H0M91-2-AA	G6C040209-2RX	20	8290/SOLID	54	10.000	g
19MR067D2	7	H0M92-2-AA	G6C040209-3RX	20	8290/SOLID		10.000	g
19MR067D2	8	H0M93-2-AA	G6C040209-4RX	20	8290/SOLID		10.000	g
19MR067D2	9	H0M94-2-AA	G6C040209-5RX	20	8290/SOLID		10.000	g
19MR067D2	10	H0M95-2-AA	G6C040209-6RX	20	8290/SOLID		10.000	g
19MR067D2	11	H0M96-2-AA	G6C040209-7RX	20	8290/SOLID		10.000	g
19MR067D2	12	H0M97-2-AA	G6C040209-8RX	20	8290/SOLID		10.000	g
19MR067D2	13	H0NAJ-2-AA	G6C040209-17RX	20	8290/SOLID		10.000	g
19MR067D2	14	H0NAL-2-AA	G6C040209-19RX	20	8290/SOLID		10.000	g
19MR067D2	15	H0NAM-2-AA	G6C040209-20RX	20	8290/SOLID		10.000	g
19MR067D2	16	H0NDL-1-AG	G6C040214-11	20	8290/SOLID	52	10.000	g
19MR067D2	17	H04HL-1-AD	G6C100424-1S	20	8290/SOLID		10.000	g
19MR067D2	18	H04HL-1-AE	G6C100424-1D	20	8290/SOLID		10.000	g
19MR067D2	19	H04HL-1-AC	G6C100424-1	20	8290/SOLID		10.000	g
19MR067D2	20	SB0319A	Solvent Blank C-14				1.000	
19MR067D2	21	<u>ST0319A</u>	CS3 2565-41C				1.000	
19MR067D2	22	CP0319A	DB-225 CPSM 2565-57				1.000	
19MR067D2	23	SB0319B	Solvent Blank C-14				1.000	
19MR067D2	24	H0M9X-2-AA	G6C040209-1RX	20	8290/SOLID	54	10.000	g
19MR067D2	25	H0M9X-1-AD	G6C040209-1S	20	8290/SOLID		10.000	g
19MR067D2	26	H0M9X-1-AE	G6C040209-1D	20	8290/SOLID		10.000	g
19MR067D2	27	H0M98-2-AA	G6C040209-9RX	20	8290/SOLID		10.000	g
19MR067D2	28	H0M99-2-AA	G6C040209-10RX	20	8290/SOLID		10.000	g
19MR067D2	29	H0NAC-2-AA	G6C040209-11RX	20	8290/SOLID		10.000	g
19MR067D2	30	H0NAD-2-AA	G6C040209-12RX	20	8290/SOLID		10.000	g
19MR067D2	31	H0NAE-2-AA	G6C040209-13RX	20	8290/SOLID		10.000	g
19MR067D2	32	H0NAF-2-AA	G6C040209-14RX	20	8290/SOLID		10.000	g
19MR067D2	33	H0NAG-2-AA	G6C040209-15RX	20	8290/SOLID		10.000	g
19MR067D2	34	SB0319C	Solvent Blank C-14				1.000	
19MR067D2	35	ST0319B	CS3 2565-41C				1.000	
19MR067D2	36						1.000	
19MR067D2	37						1.000	
19MR067D2	38						1.000	
19MR067D2	39		MG 03/19/06				1.000	

verified by AK 3/20/06

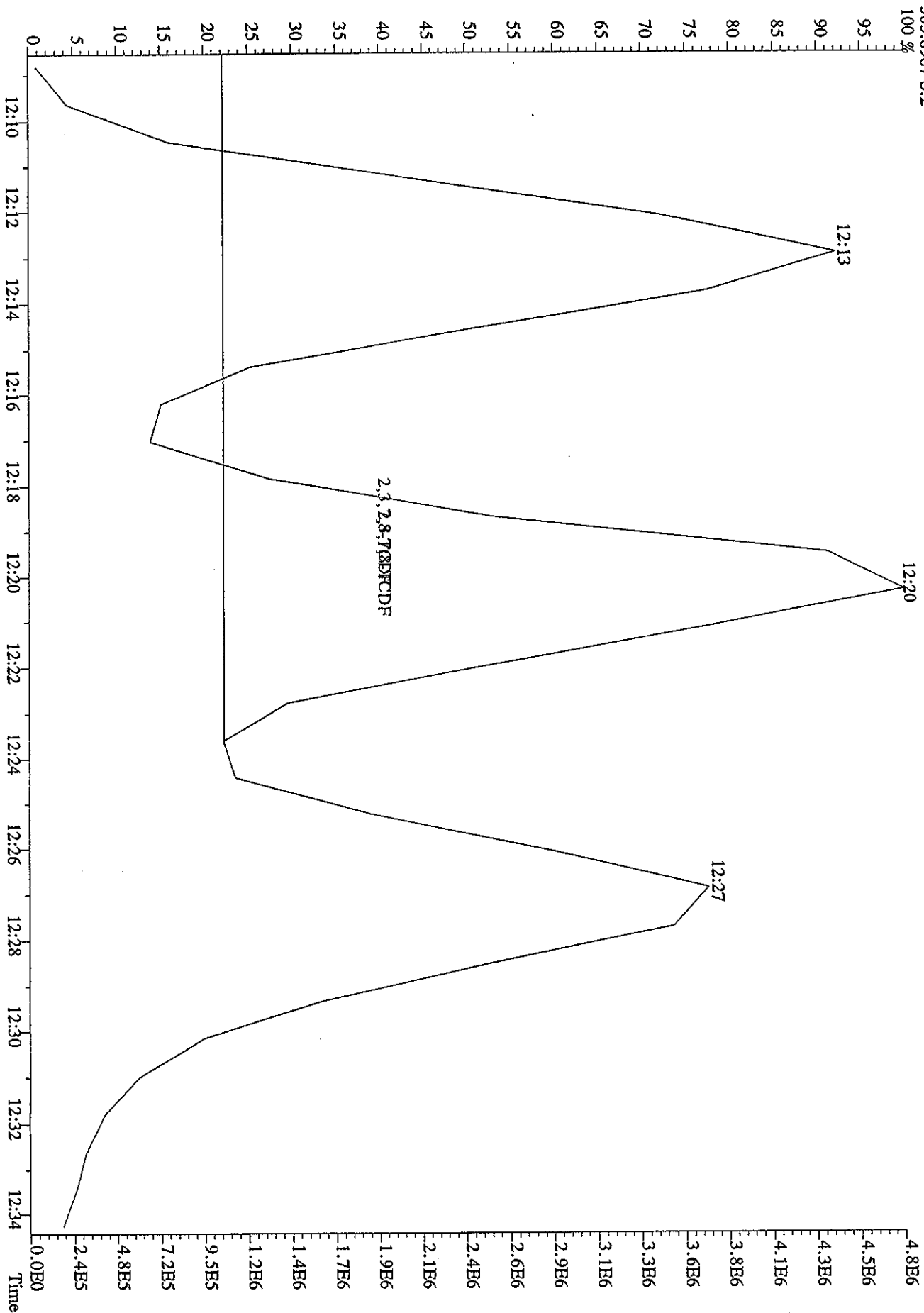
Peak Locate Examination: 19-MAR-2006:11:05 File:19MR067D2
 Experiment:DB225 Function:1 Reference:PFK



Peak Locate Examination: 20-MAR-2006:08:38 File: ENDRSCHK19MR067D2
 Experiment: DB225 Function: 1 Reference: PFK



File:19MR067D2 #1-787 Acq:19-MAR-2006 11:42:27 GC EI+ Voltage SIR 70S
Sample#2 Exp:DB225
305.8987 S:2

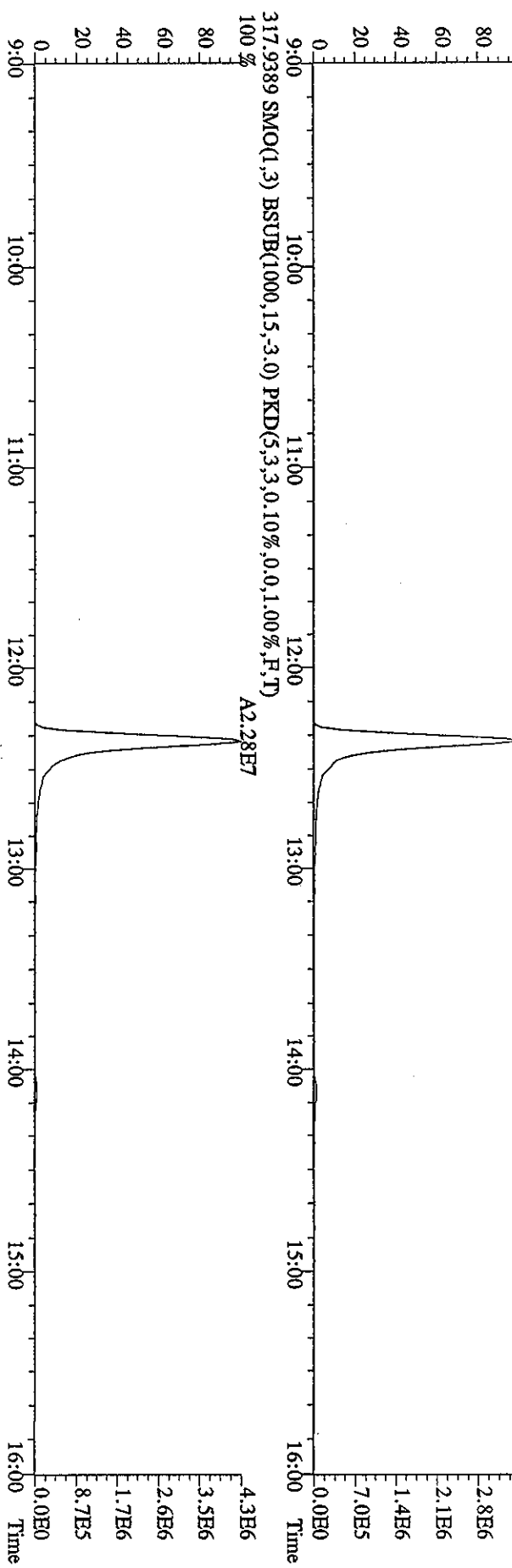
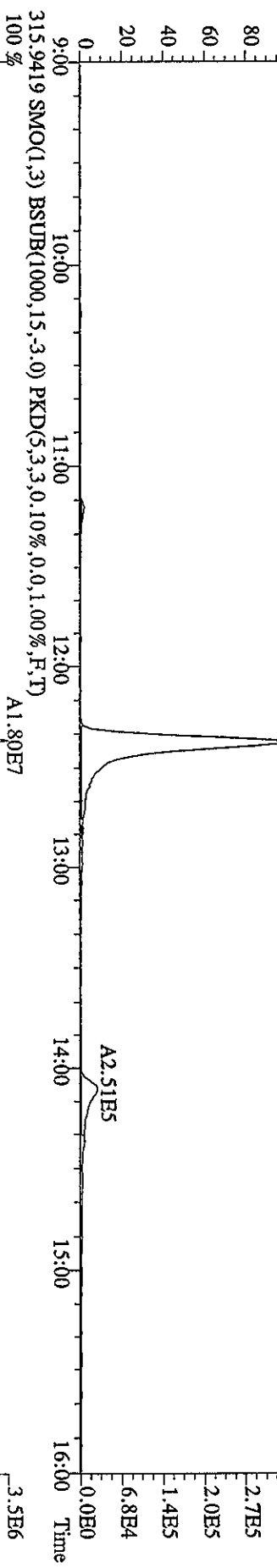
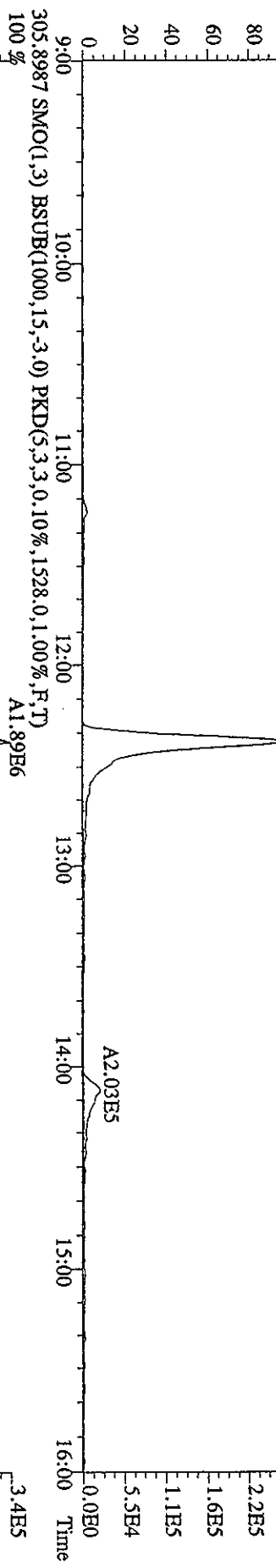


Run: 19MR067D2 Analyte: DB225 Cal: DB2250915057D2

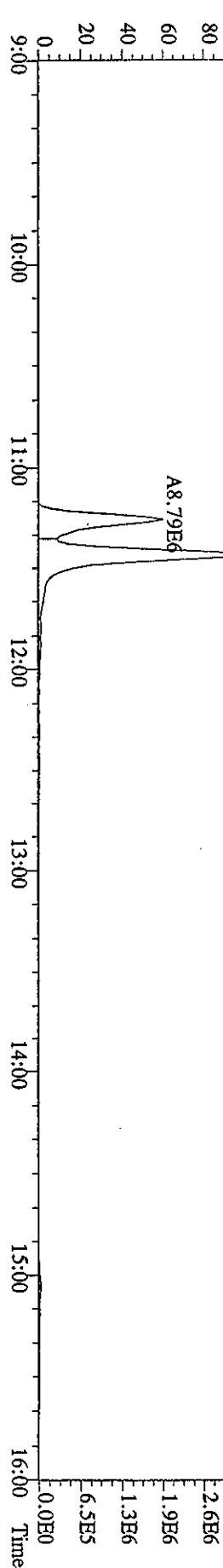
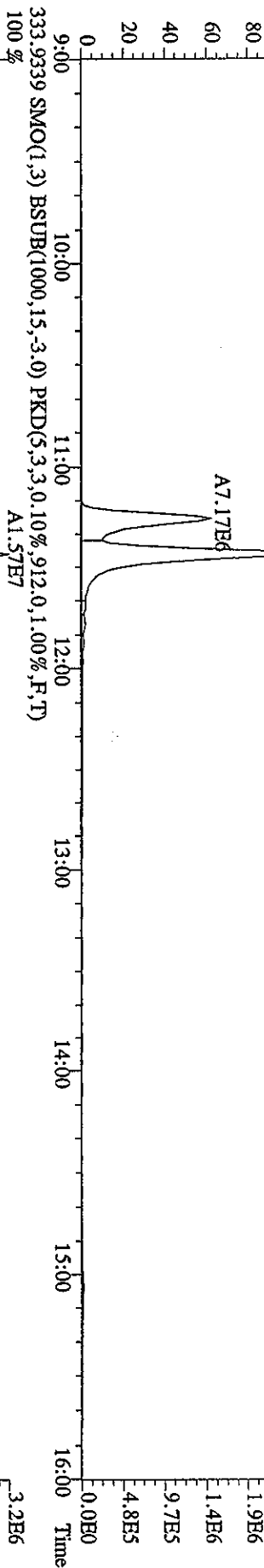
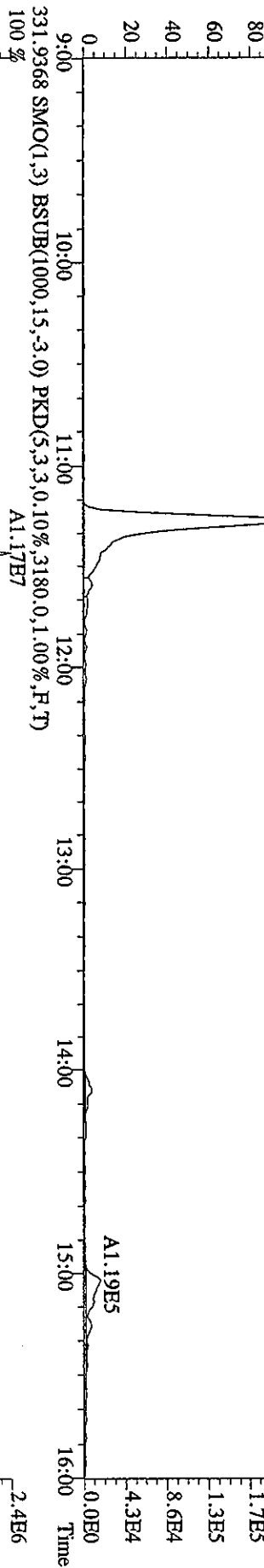
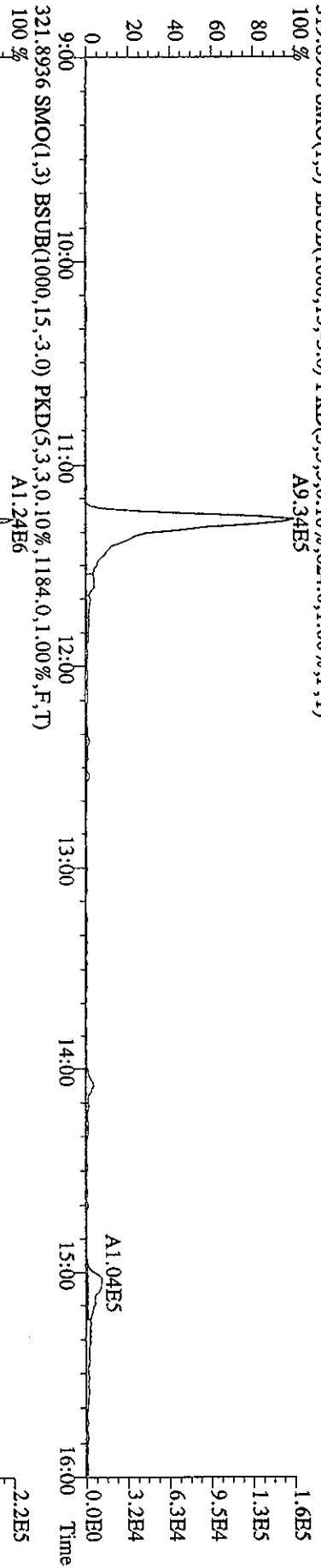
ST0916J : CS1 2565-41A ST0916I : CS2 2565-41B ST0916H : CS3 2565-41C
 ST0916L : CS4 2565-41D ST0916K : CS5 2565-41E

Name	Mean	S. D.	%RSD	16SE057D2				
				S12	S11	S10	S14	S13
13C-1,2,3,4-TCDD	-	-	-	RRF1	RRF2	RRF3	RRF4	RRF5
13C-2,3,7,8-TCDF	1.495	0.059	3.95 %	1.47	1.46	1.49	1.60	1.46
2,3,7,8-TCDF	0.919	0.111	12.1 %	0.96	0.76	0.85	1.00	1.02
13C-2,3,7,8-TCDD	0.808	0.058	7.16 %	0.85	0.75	0.82	0.87	0.75
2,3,7,8-TCDD	1.232	0.157	12.7 %	1.20	1.09	1.13	1.25	1.49
37Cl-2,3,7,8-TCDD	1.963	0.297	15.1 %	1.65	1.65	2.04	2.23	2.24

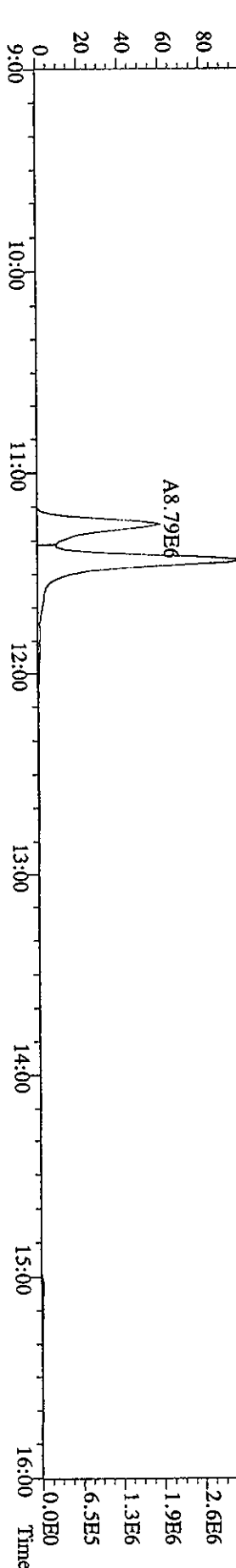
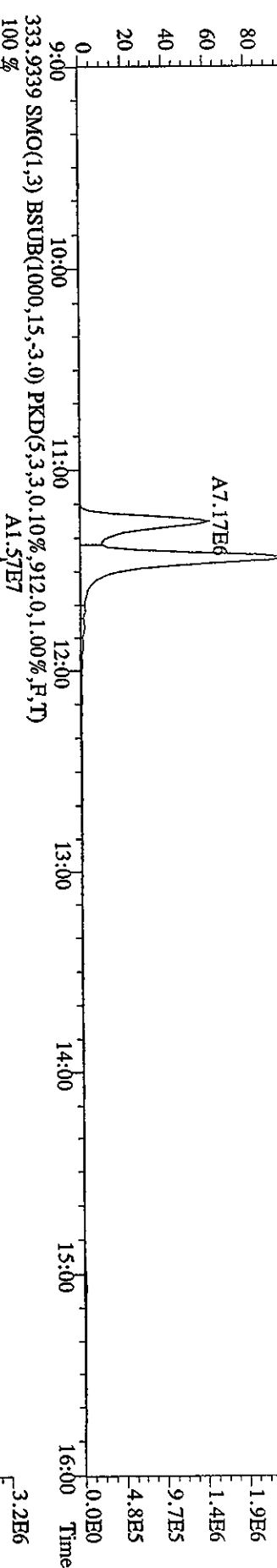
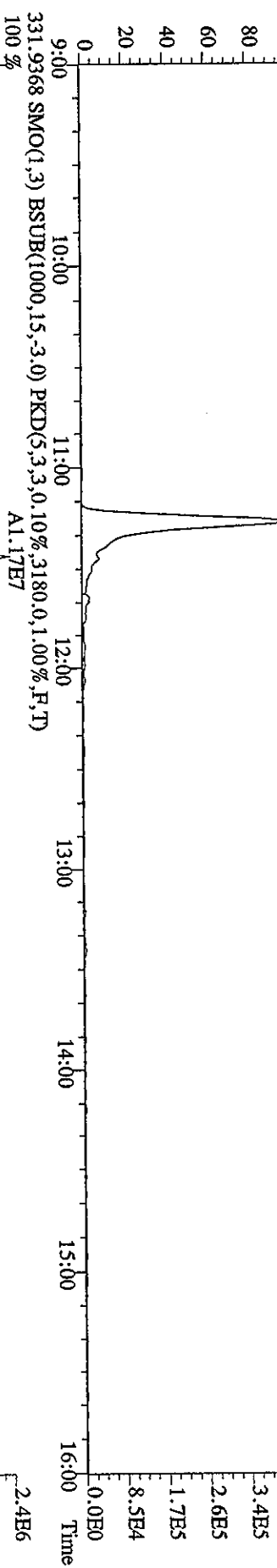
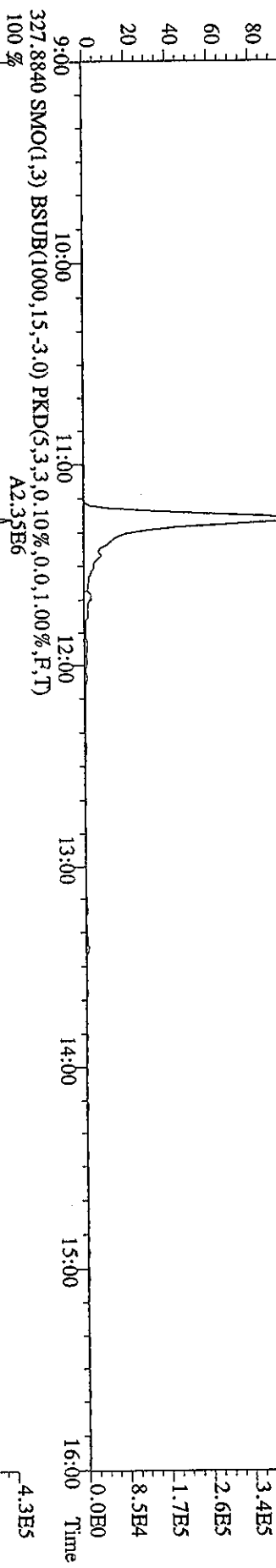
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 Sample#1 Text: ST0319 :CS3 2565-41C Exp: DB225
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676,0.1,0.0%,F,T)
 100%



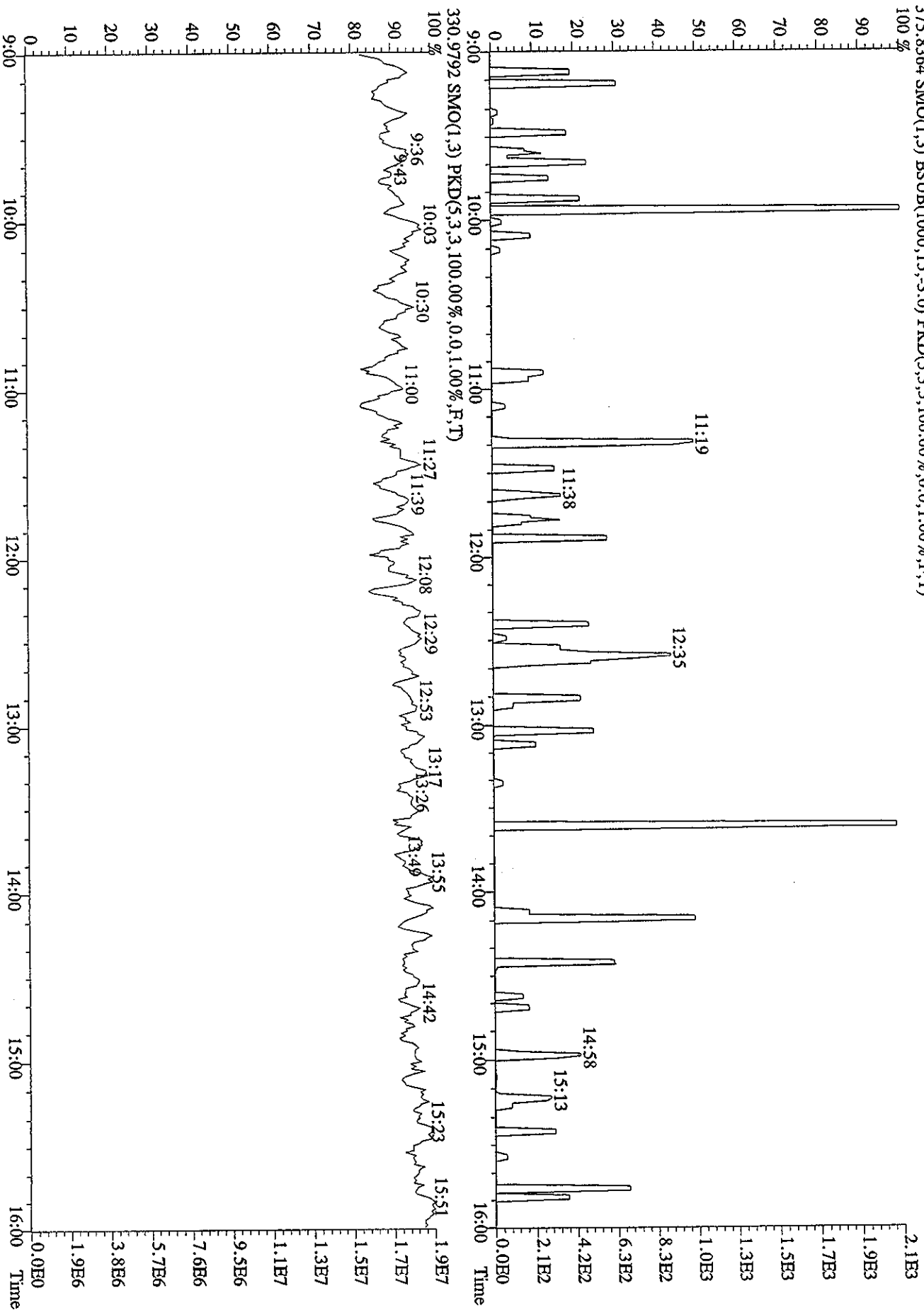
File:19MR067D2 #1-1168 Acq:19-MAR-2006 11:06:04 GC EI+ Voltage SIR 70S
 Sample#1 Text:ST0319 :CS3 2565-41C Exp:DB225
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,824.0,1.00%,F,T)
 100% A9.34E5



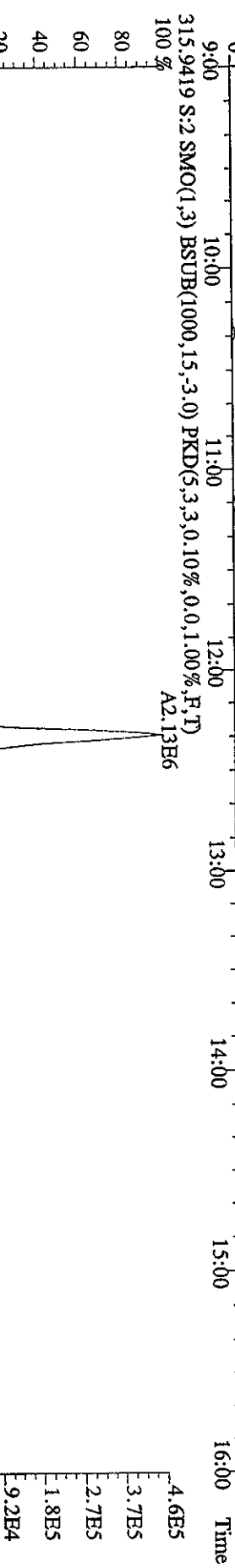
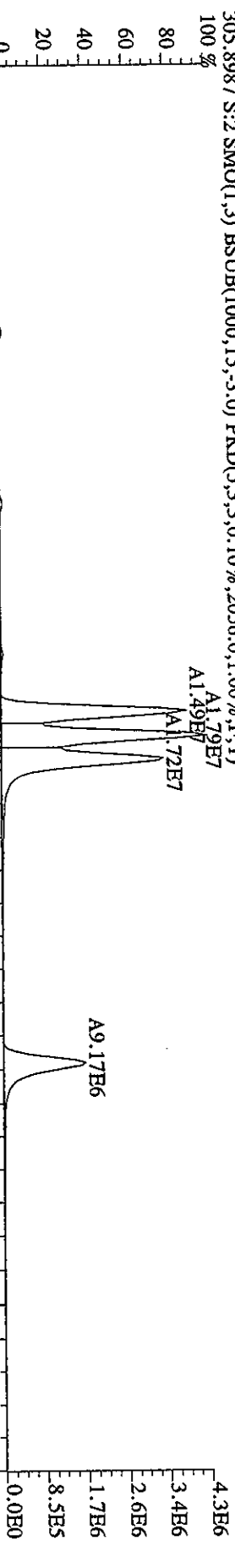
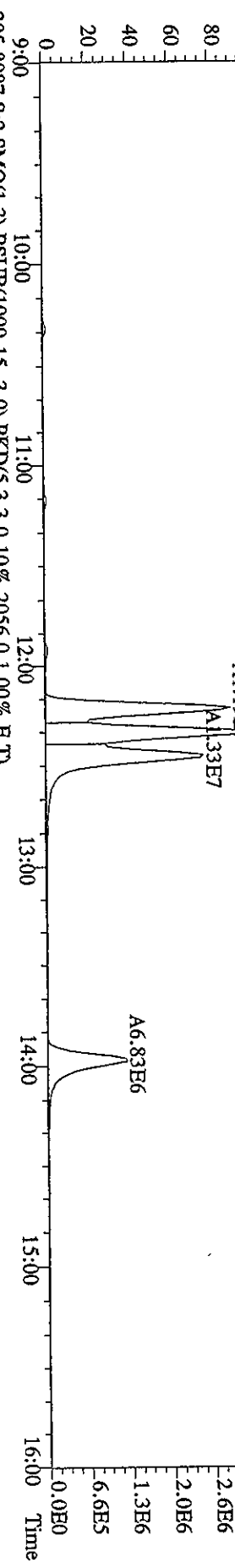
File:19MR067D2 #1-1168 Acq:19-MAR-2006 11:06:04 GC EI+ Voltage SIR 70S
 Sample#1 Text:ST0319 :CS3 2565-41C Exp:DB225
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,0.0,1.00%,F,T)
 100 % A2.35E6



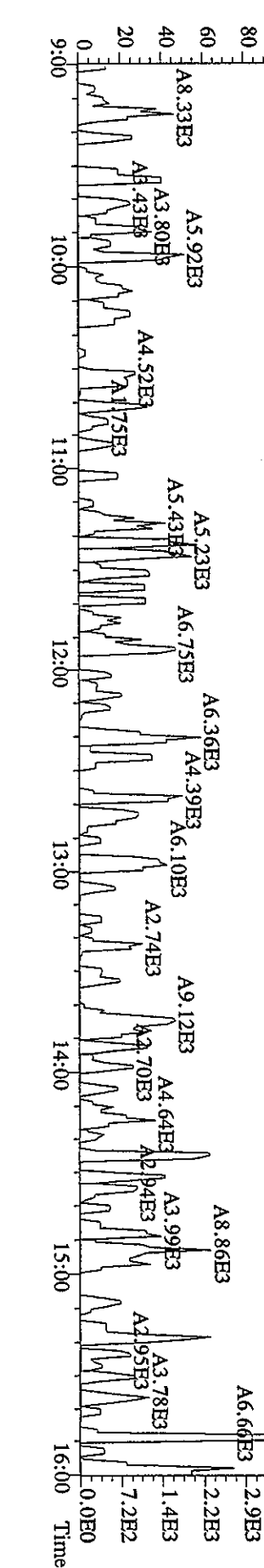
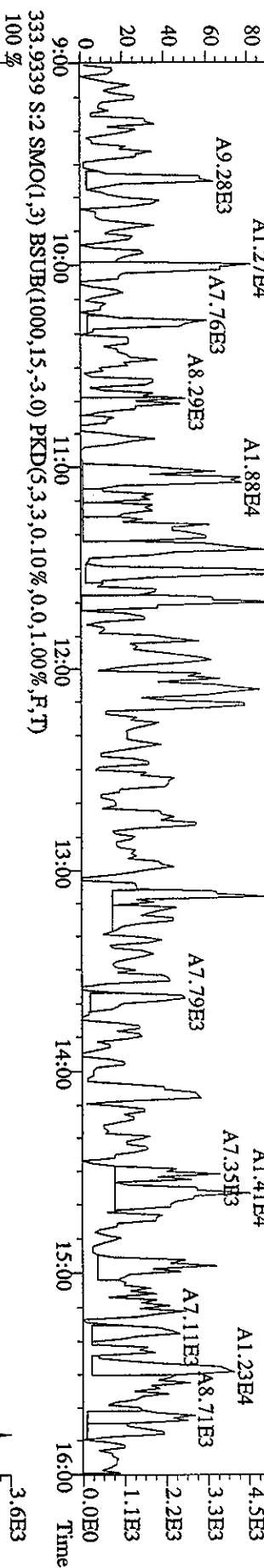
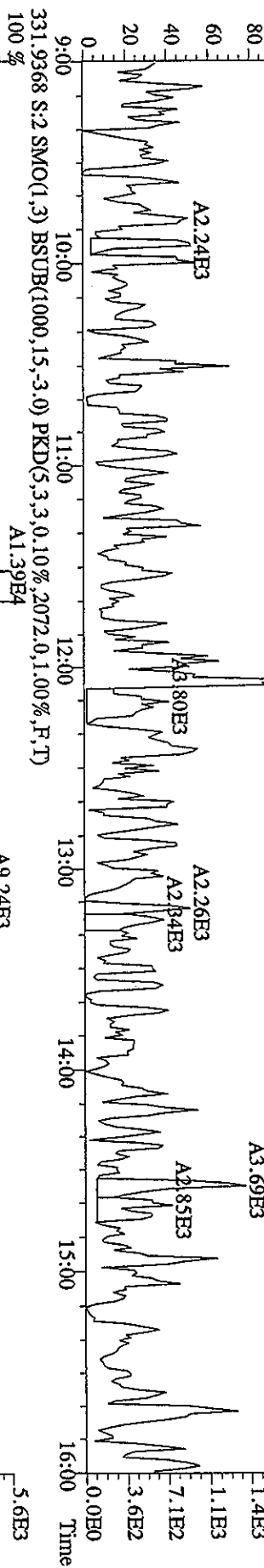
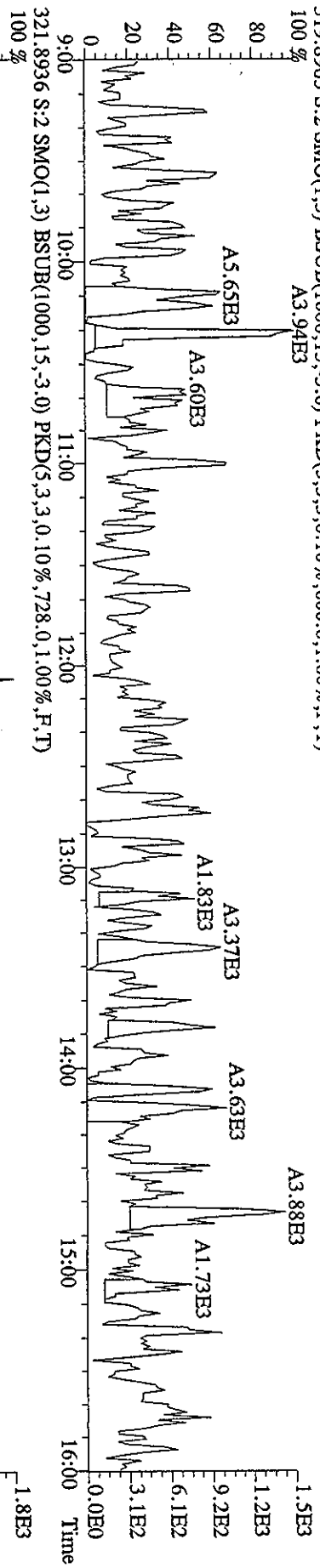
File: 19MR067D2 #1-1168 Acq: 19-MAR-2006 11:06:04 GC EI+ Voltage SIR 70S
 Sample#1 Text: ST0319 :CS3 2565-41C Exp: DB225
 375,8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



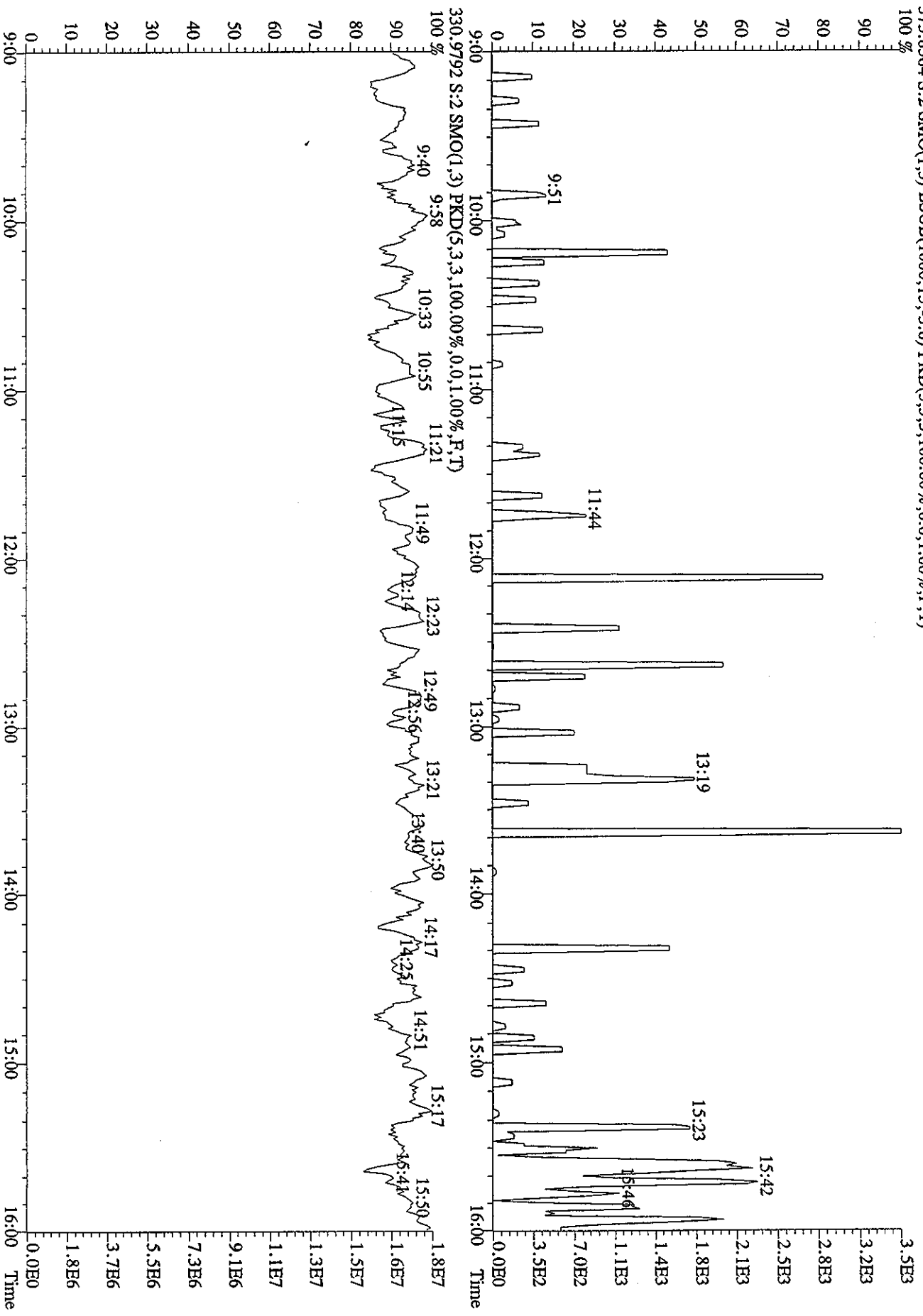
File:19MR067D2 #1-1168 Acq:19-MAR-2006 11:42:27 GC:EI + Voltage SIR 70S
Sample#2 Text:CP0319 :DB-225 CP5M 2565-57 Exp:DB225
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1260,0,1.00%,F,T)
100%



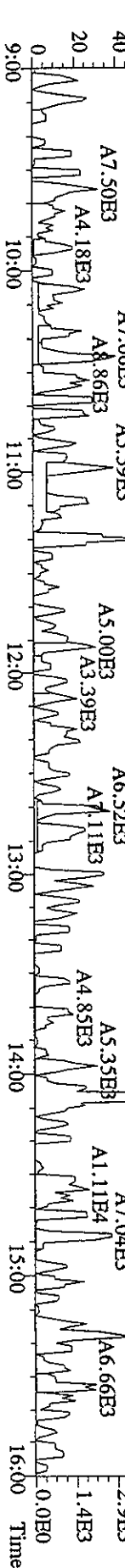
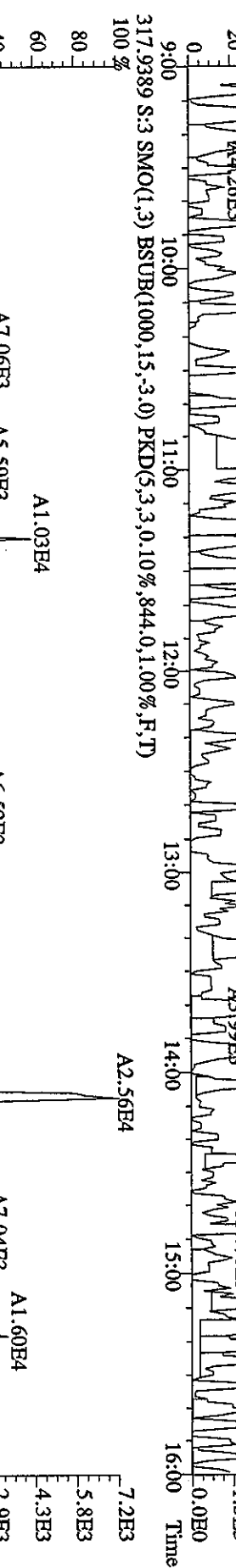
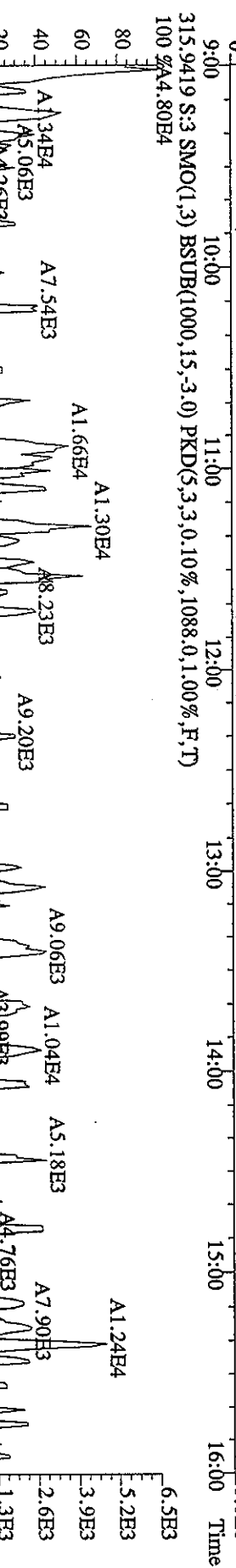
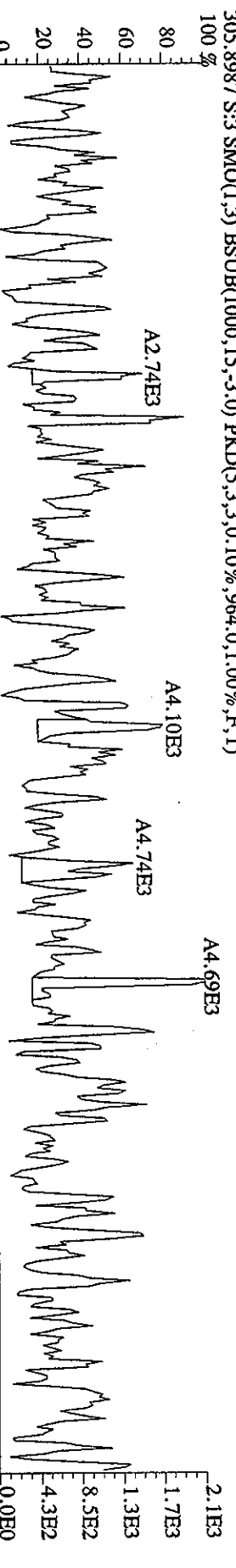
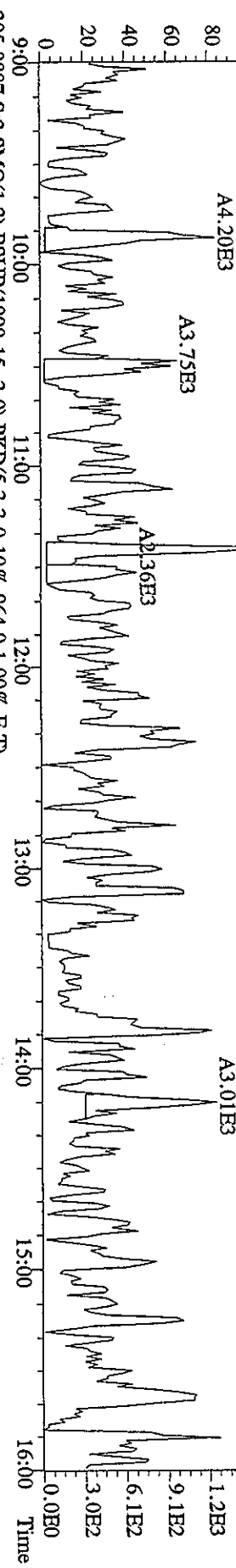
File:19MR067D2 #1-1168 Acq:19-MAR-2006 11:42:27 GC EI+ Voltage SIR 70S
 Sample#2 Text:CP0319 :DB-225 CPISM 2565-57 Exp:DB225
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,600,0,1.00%,F,T)
 A3.94E3



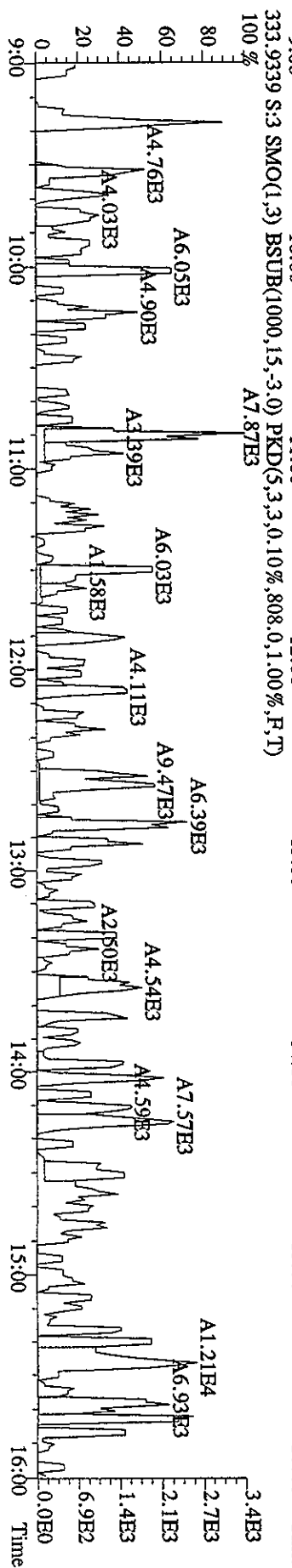
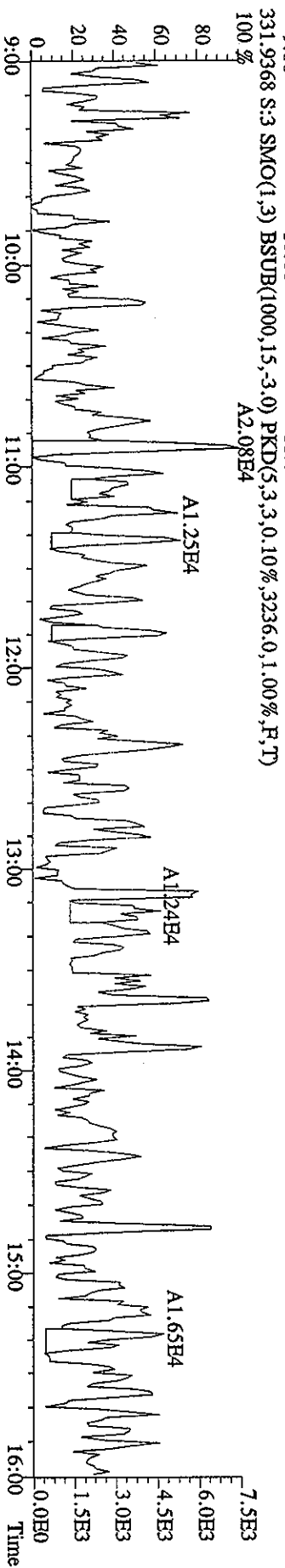
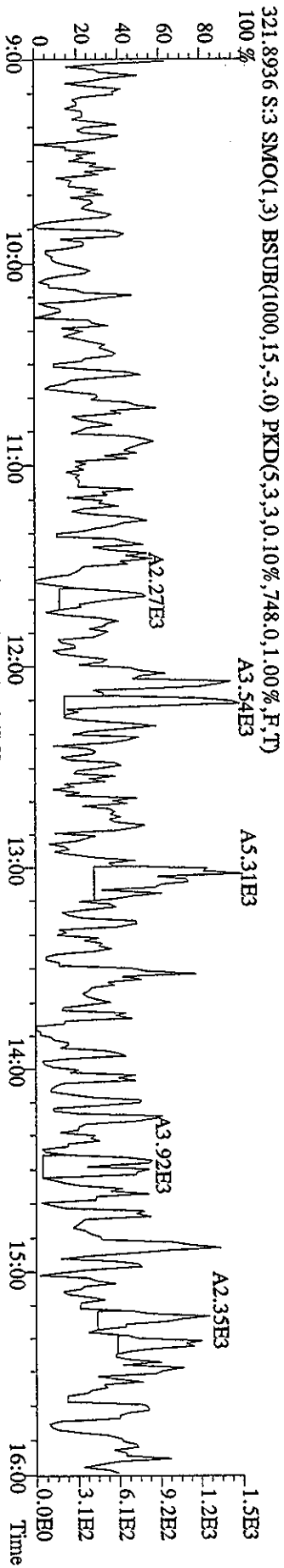
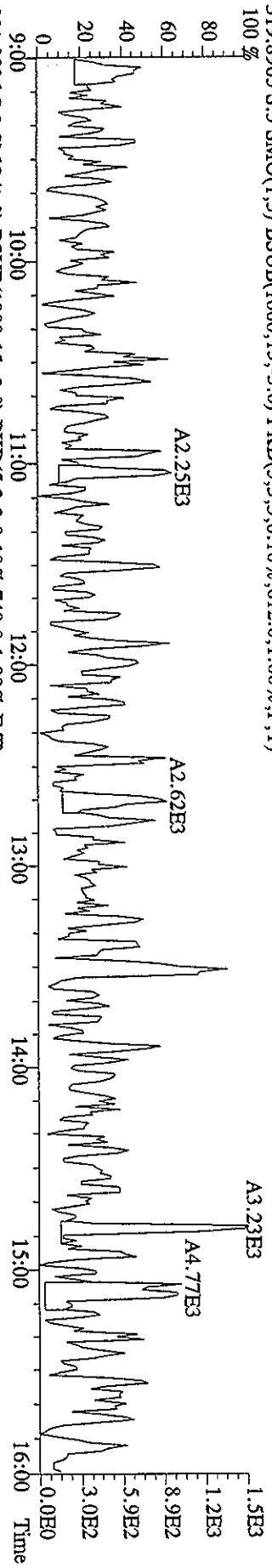
File:19MR067D2 #1-1168 Acq:19-MAR-2006 11:42:27 GC EI + Voltage SIR 70S
 Sample#2 Text:CP0319 :DB-225 CP5M 2565-57 Exp:DB225
 375.8364 S:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



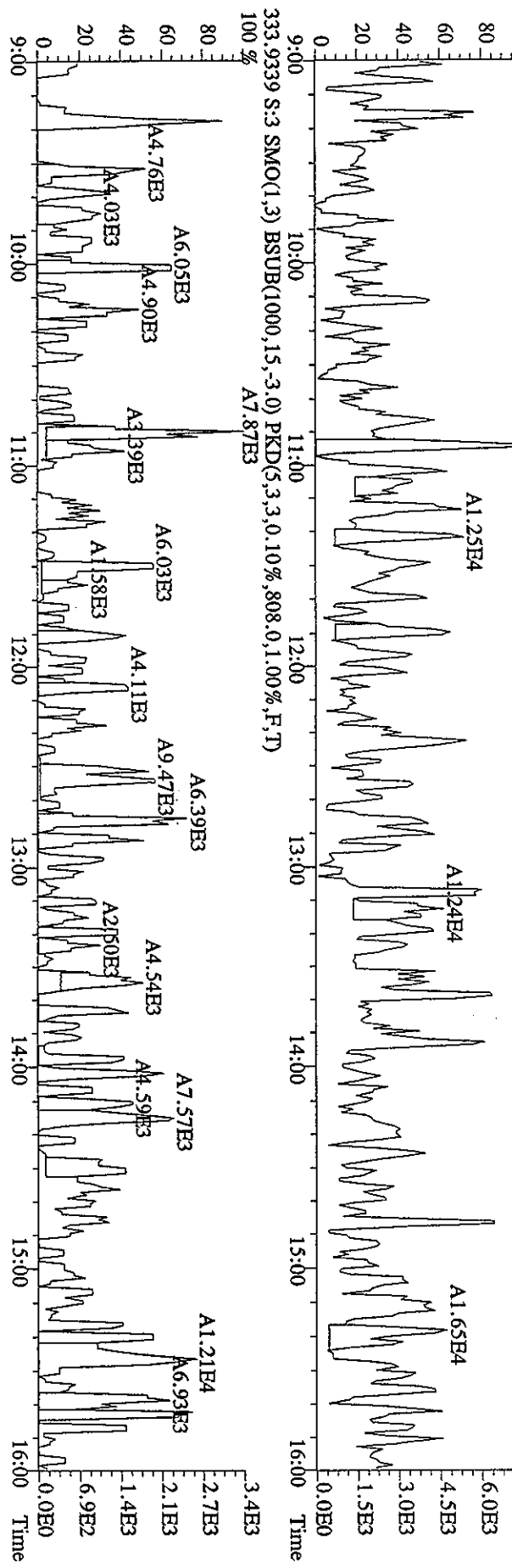
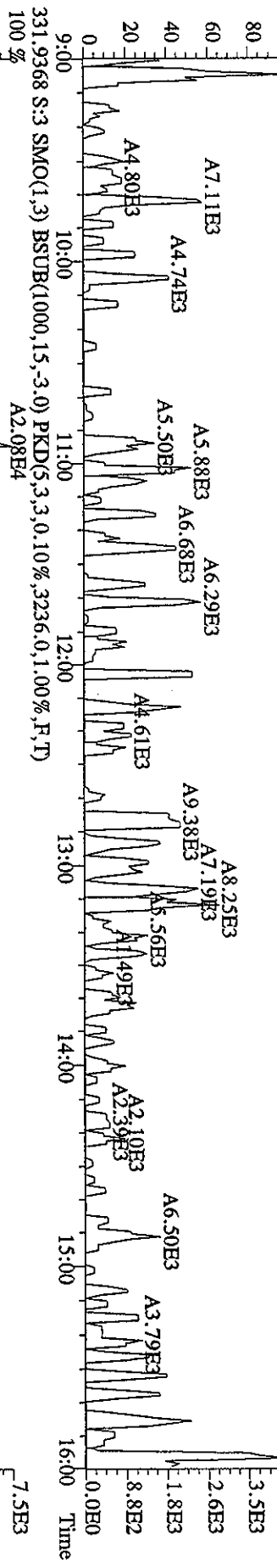
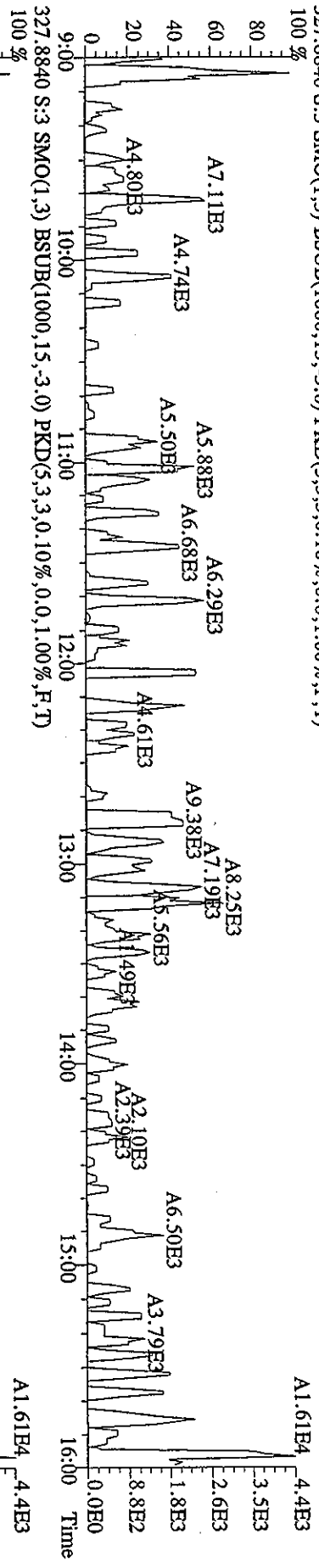
File: 19NMR067D2 #1-1169 Acq: 19-MAR-2006 12:18:51 GC EI+ Voltage SIR 70S
 Sample#3 Text: SB0319 :Solvent Blank C-14 Exp: DB225
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,672.0,1.00%,F,T)
 100%



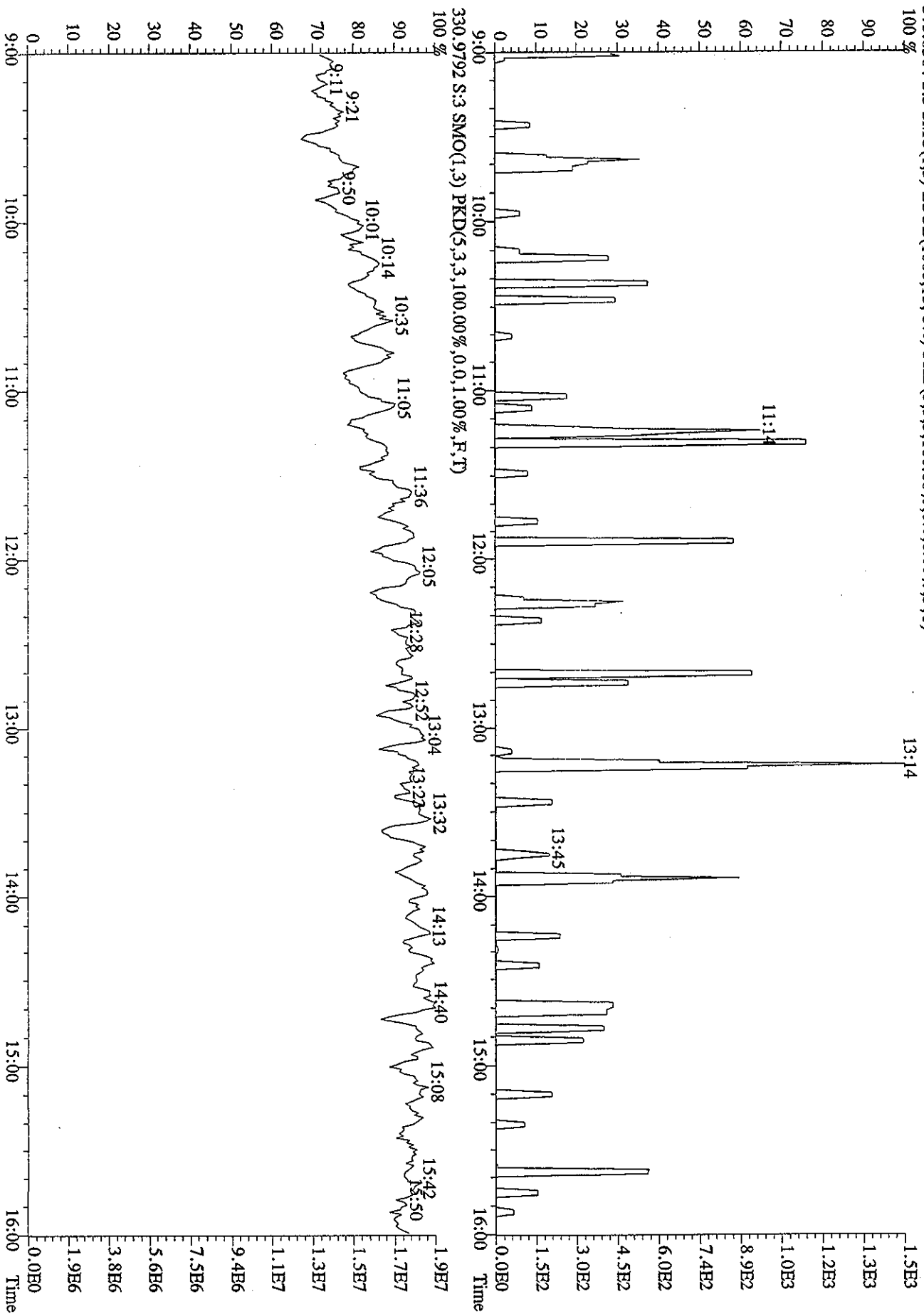
File:19MR067D2 #1-1169 Acq:19-MAR-2006 12:18:51 GC EI+ Voltage SIR 70S
 Sample#3 Text:SB0319 :Solvent Blank C-14 Exp:DB225
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,612.0,1.00%,F,T)



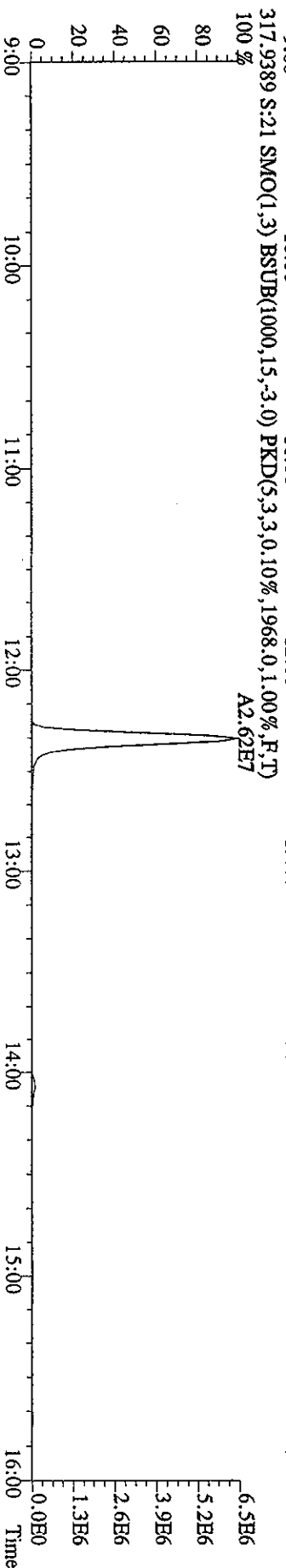
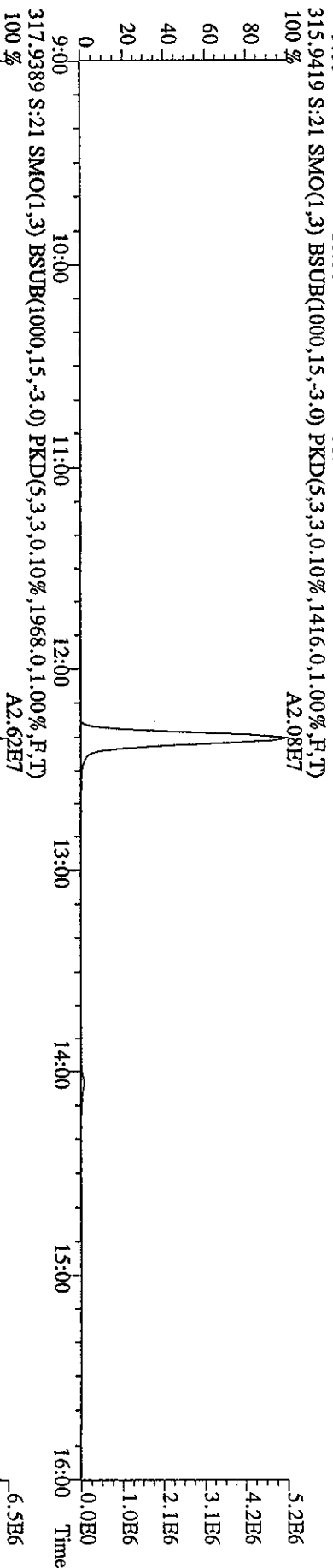
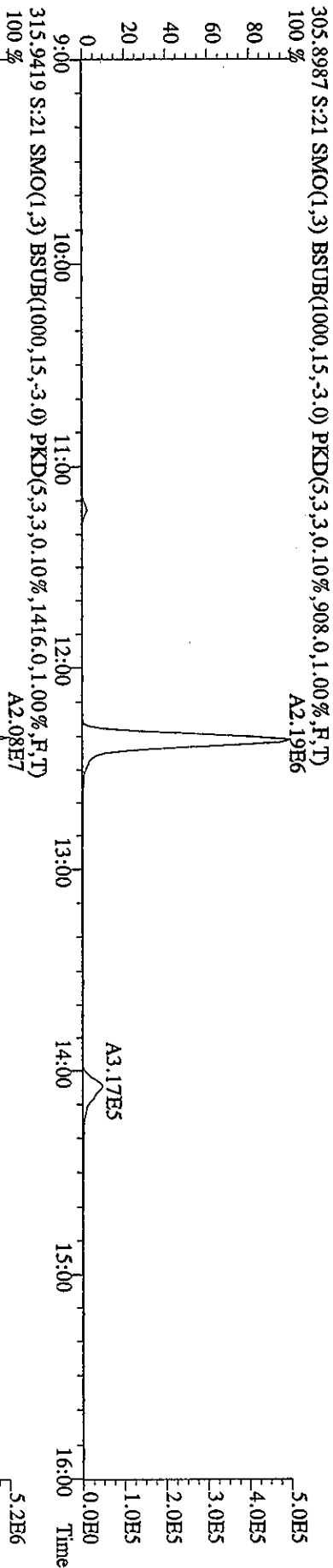
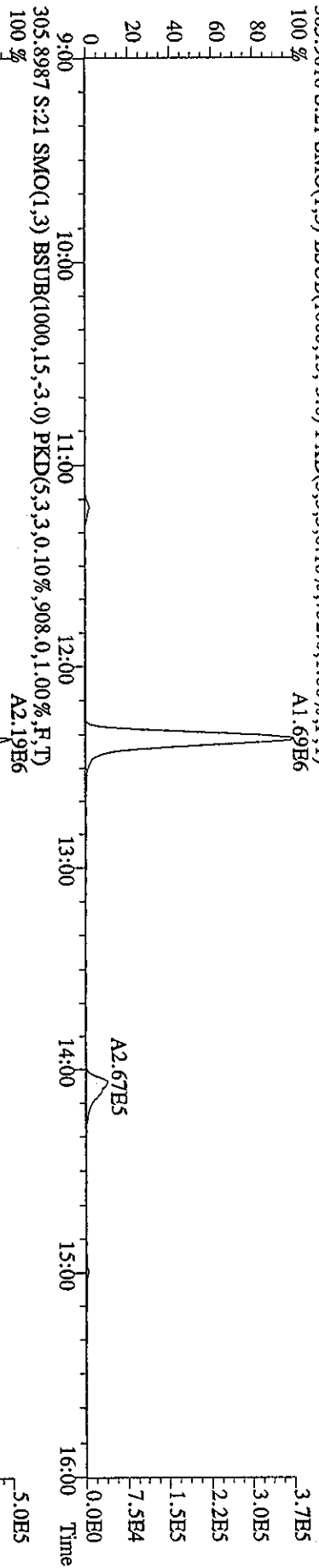
File:19MRK067D2 #1-1169 Acq:19-MAR-2006 12:18:51 GC EI+ Voltage SIR 70S
 Sample#3 Text:SB0319 :Solvent Blank C-14 Exp:DB225
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,0.0,1.00%,F,T)
 333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,808,0,1.00%,F,T)



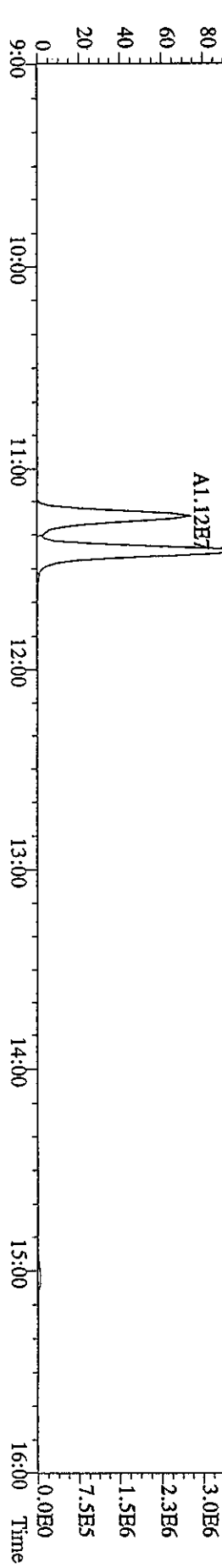
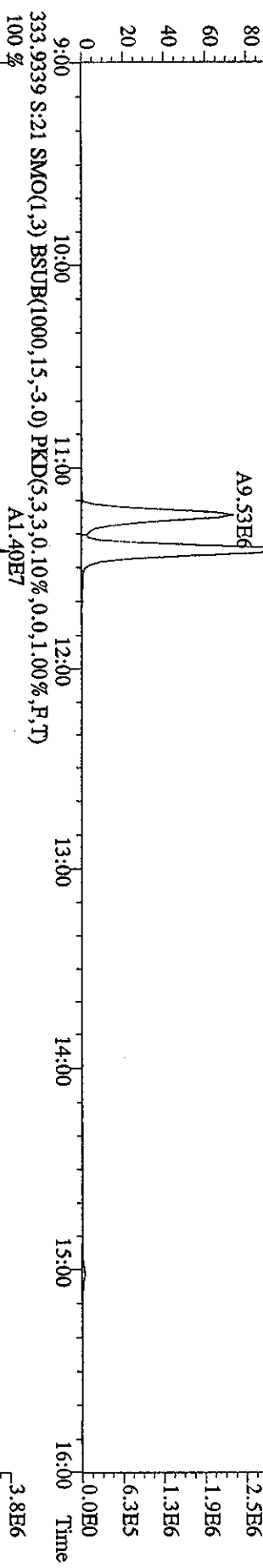
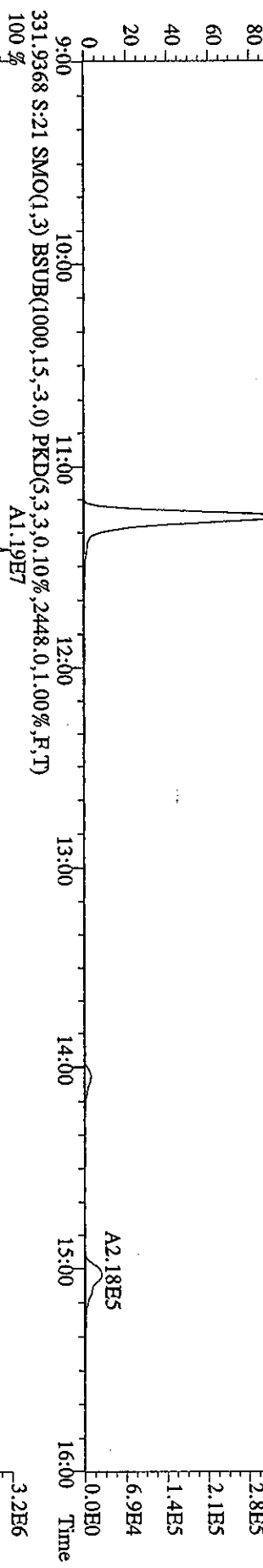
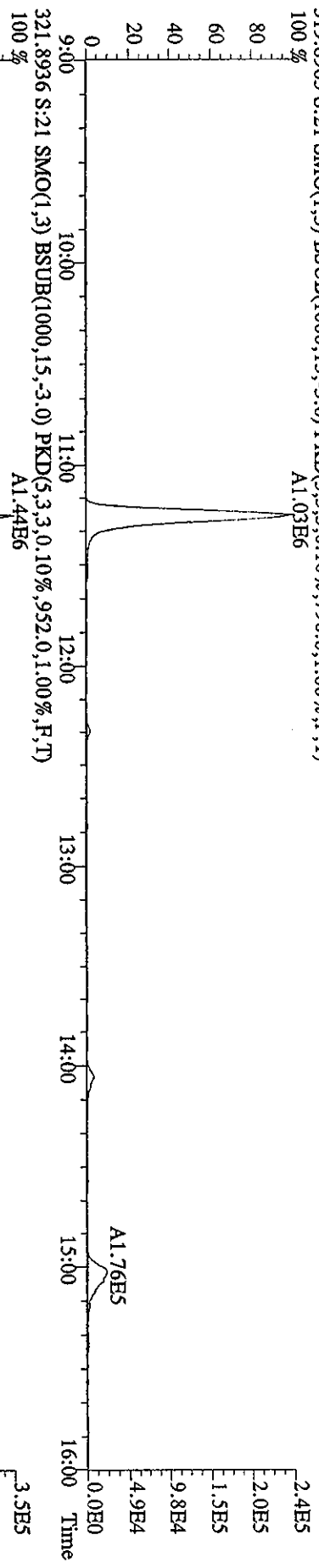
File: 19MR067D2 #1-1169 Acq: 19-MAR-2006 12:18:51 GC EI+ Voltage SIR 70S
 Sample#3 Text: SB0319 : Solvent Blank C-14 Exp: DB225
 375.8364 S:3 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



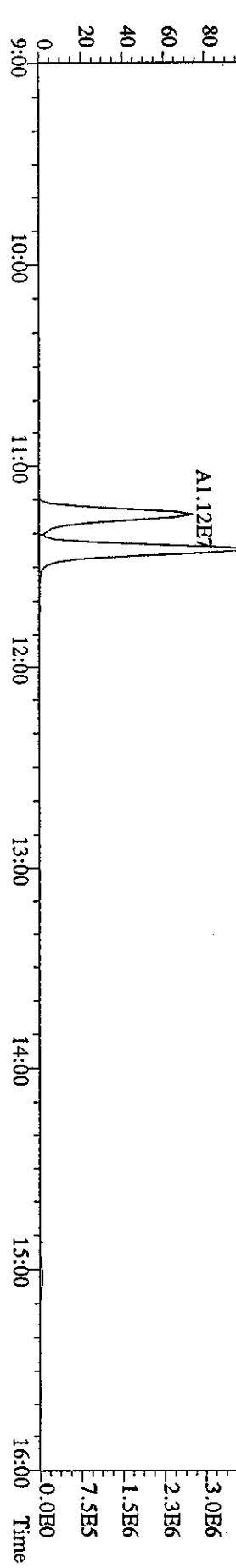
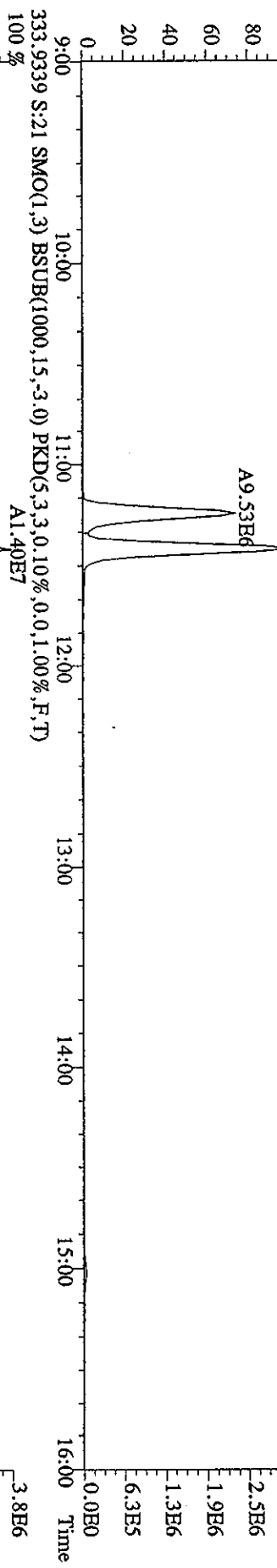
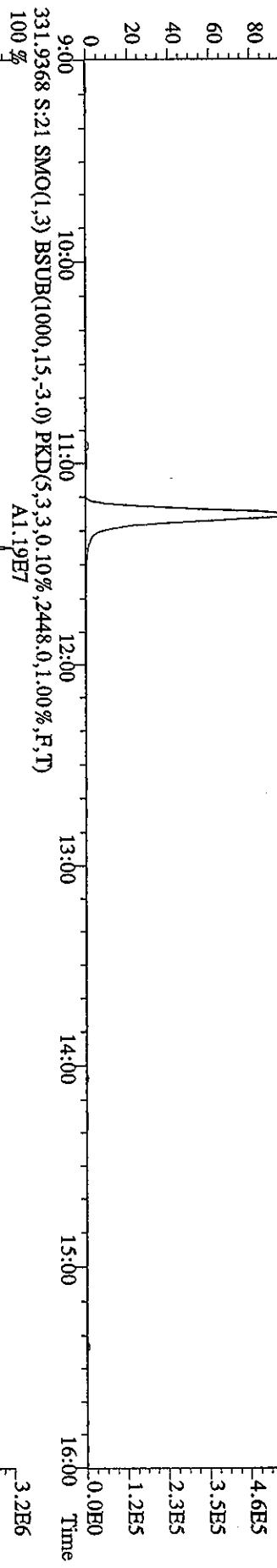
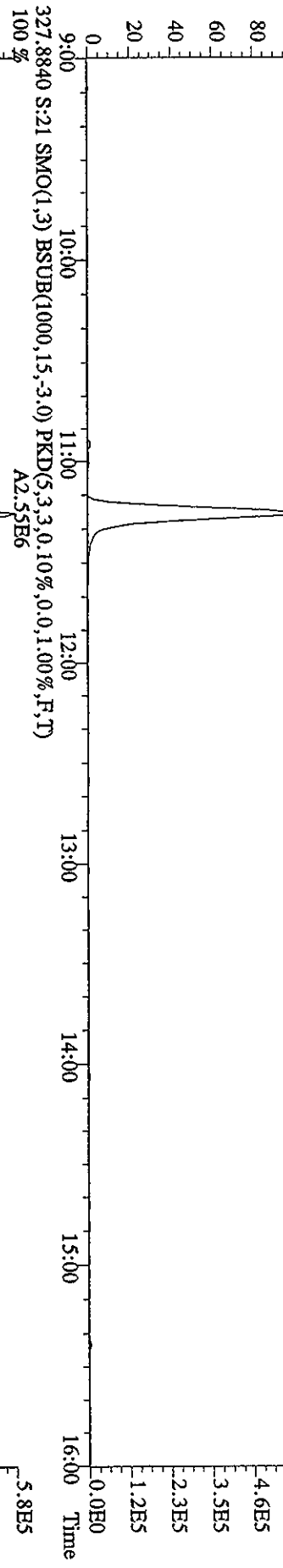
File:19MR067D2 #1-1168 Acq:19-MAR-2006 23:14:22 GC EI+ Voltage SIR 70S
Sample#21 Text:ST0319A :CS3 2565-41C Exp:DB225
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,732.0,1.00%,F,T)
100% A1.69E6



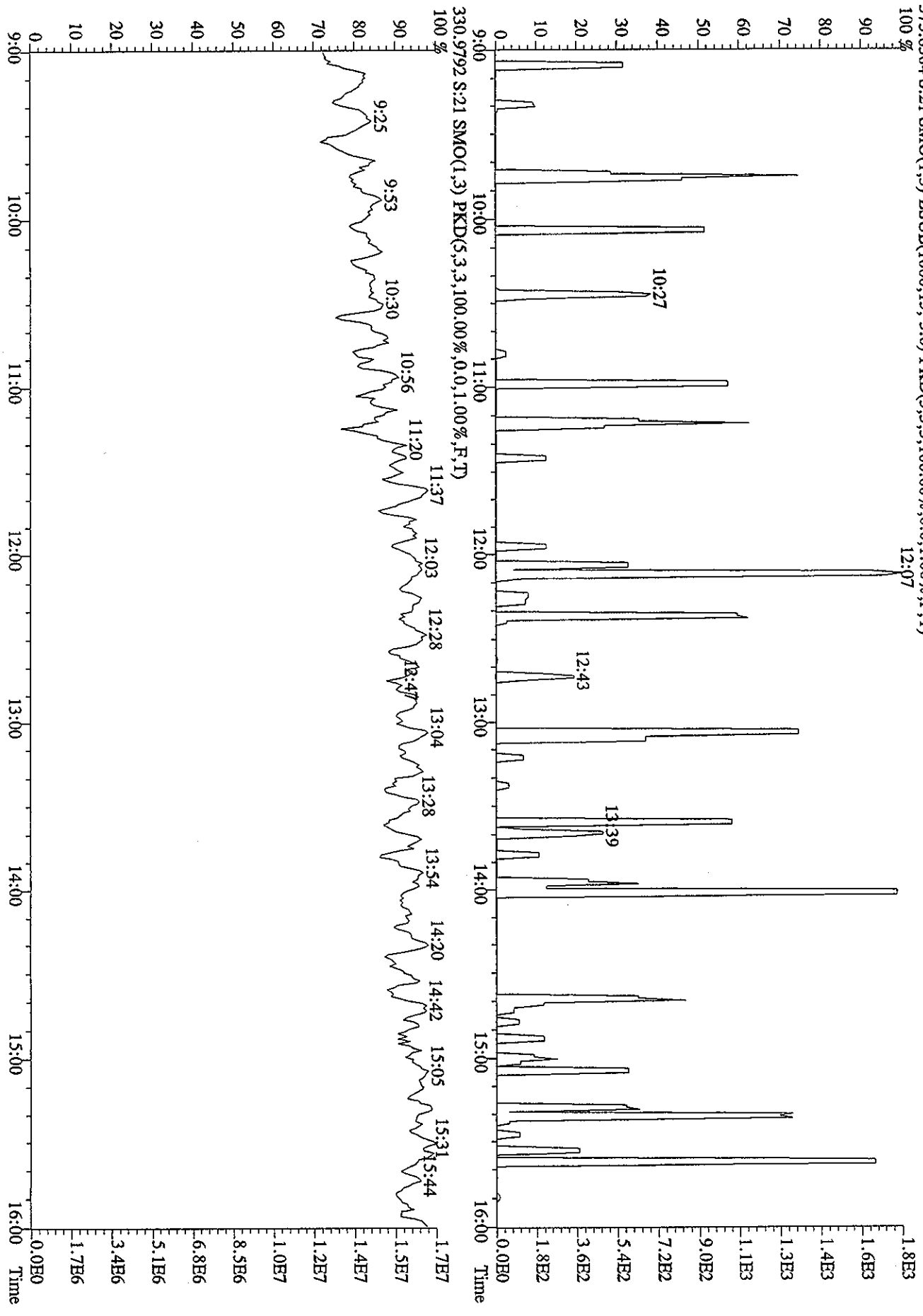
File:19MR067D2 #1-1168 Acq:19-MAR-2006 23:14:22 GC EI+ Voltage SIR 70S
 Sample#21 Tex:ST0319A :CS3 2565-41C Exp:DB225
 319.8965 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,796,0,1,00%,F,T)
 100% A1.03E6



File:19MR067D2 #1-1168 Acq:19-MAR-2006 23:14:22 GC EI+ Voltage SIR 70S
 Sample#21 Text:ST0319A :CS3 2565-41C Exp:DB225
 327.8840 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,0.0,1.00%,F,T)
 100 % A2.55E6



File:19MR067D2 #1-1168 Acq:19-MAR-2006 23:14:22 GC FI+ Voltage SIR 70S
 Sample#21 Text:ST0319A :CS3 2565-41C Exp:DB225
 375.8364 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Initial Calibration Checklist High Resolution

ICAL ID (1613, 23, 0023A, T09, 8290, TETRAS) 031706105

Method ID 1613B, 23, 0023A, T09, 8290, TETRAS (1613B, 551)

Column ID DB5 Instrument ID 105

STD ID's STD 0317 (B, A, -, D, C) STD Solution 2565-41 (A → E)

Analyzed By M.G. Multiplier Setting 340V

Prepared By M.G. Date Analyzed 3/17/06

Reviewed By SMA Date Prepared 3/17/06

Date Reviewed 3/17/06

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

COMMENTS: _____

* Method 8290: %RSD ≤ 20% for natives, ≤ 30% for labeled analytes; S/N ≥ 10
 Method 1613A: %CV ≤ 35% (See Table 7, Method 1613A); S/N ≥ 10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N > 2.5
 PAH: %RSD ≤ 30% for natives and labeled compounds; S/N ≥ 10
 PCB: %RSD ≤ 20% for natives, ≤ 40% for labeled compounds; S/N ≥ 2.5
 NCASI 551: %RSD ≤ 20% for natives and labeled compounds; ≥ 5
 DBD/DBF: %RSD ≤ 30% for natives, ≤ 40% for labeled analytes; S/N ≥ 10

Run: 17MR061D5 Analyte: 8290 Cal: 82900317061D5

ST0317B :CS1 2565-41A ST0317A :CS2 2565-41B ST0317 :CS3 2565-41C
 ST0317D :CS4 2565-41D ST0317C :CS5 2565-41E

17MR061D5 17MR061D5 17MR061D5 17MR061D5 17MR061D5

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

13C-2,3,7,8-TCDF	1.700	0.040	2.33 %	1.66	1.68	1.73	1.75	1.68
2,3,7,8-TCDF	1.104	0.071	6.39 %	1.22	1.12	1.06	1.08	1.04
Total TCDF	1.104	0.071	6.39 %	1.22	1.12	1.06	1.08	1.04

13C-2,3,7,8-TCDD	0.869	0.024	2.73 %	0.84	0.86	0.89	0.89	0.86
2,3,7,8-TCDD	1.419	0.047	3.34 %	1.48	1.46	1.38	1.37	1.41
Total TCDD	1.419	0.047	3.34 %	1.48	1.46	1.38	1.37	1.41

37Cl-2,3,7,8-TCDD	2.408	0.133	5.54 %	2.57	2.20	2.41	2.40	2.45
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13C-1,2,3,7,8-PeCDF	1.420	0.062	4.34 %	1.38	1.35	1.46	1.50	1.40
1,2,3,7,8-PeCDF	1.044	0.030	2.90 %	1.09	1.04	1.03	1.01	1.04
2,3,4,7,8-PeCDF	1.074	0.037	3.46 %	1.14	1.04	1.07	1.06	1.06
Total F2 PeCDF	1.059	0.032	3.01 %	1.11	1.04	1.05	1.04	1.05
Total F1 PeCDF	1.059	0.032	3.01 %	1.11	1.04	1.05	1.04	1.05

13C-1,2,3,7,8-PeCDD	0.834	0.042	5.00 %	0.80	0.79	0.88	0.87	0.84
1,2,3,7,8-PeCDD	1.054	0.032	3.01 %	1.11	1.05	1.03	1.04	1.03
Total PeCDD	1.054	0.032	3.01 %	1.11	1.05	1.03	1.04	1.03

13C-1,2,3,7,8-HxCDD	-	-	- %	-	-	-	-	-
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13C-1,2,3,4,7,8-HxCDF	1.335	0.040	3.02 %	1.38	1.29	1.35	1.29	1.36
1,2,3,4,7,8-HxCDF	1.137	0.040	3.52 %	1.16	1.17	1.08	1.16	1.11
1,2,3,6,7,8-HxCDF	1.234	0.051	4.14 %	1.30	1.25	1.18	1.25	1.19
2,3,4,6,7,8-HxCDF	1.130	0.053	4.71 %	1.21	1.14	1.10	1.14	1.06
1,2,3,7,8,9-HxCDF	1.095	0.061	5.57 %	1.18	1.11	1.06	1.11	1.01
Total HxCDF	1.149	0.049	4.28 %	1.21	1.17	1.10	1.16	1.09

13C-1,2,3,6,7,8-HxCDD	0.973	0.024	2.47 %	1.00	0.94	0.99	0.96	0.97
1,2,3,4,7,8-HxCDD	0.975	0.046	4.71 %	0.99	1.04	0.91	0.96	0.97

1,2,3,6,7,8-HxCDD	1.069	0.053	4.97	%	1.16	1.05	1.04	1.05	1.04
1,2,3,7,8,9-HxCDD	1.098	0.037	3.38	%	1.16	1.11	1.08	1.09	1.06
Total HxCDD	1.047	0.038	3.61	%	1.10	1.07	1.01	1.03	1.02
C-1,2,3,4,6,7,8-HpCDF	1.061	0.031	2.90	%	1.10	1.07	1.08	1.03	1.02
1,2,3,4,6,7,8-HpCDF	1.368	0.042	3.10	%	1.42	1.34	1.40	1.34	1.34
1,2,3,4,7,8,9-HpCDF	1.231	0.047	3.85	%	1.29	1.17	1.24	1.25	1.20
Total HpCDF	1.300	0.042	3.22	%	1.36	1.26	1.32	1.30	1.27
C-1,2,3,4,6,7,8-HpCDD	0.895	0.032	3.57	%	0.92	0.92	0.92	0.86	0.86
1,2,3,4,6,7,8-HpCDD	1.059	0.058	5.47	%	1.16	1.04	1.04	1.03	1.02
Total HpCDD	1.059	0.058	5.47	%	1.16	1.04	1.04	1.03	1.02
13C-OCDD	0.761	0.034	4.42	%	0.78	0.72	0.80	0.76	0.73
OCDF	1.455	0.036	2.46	%	1.49	1.47	1.40	1.44	1.47
OCDD	1.100	0.084	7.67	%	1.24	1.11	1.05	1.05	1.04

Run #1 Filename 17MR061D5 S: 4 I: 1
 Acquired: 17-MAR-06 11:12:42 Processed: 17-MAR-06 13:15:45
 Run: 17MR061D5 Analyte: 8290 Cal: 82900317061D5
 Comments:

Sample text: ST0317B :CS1 2565-41A

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	122953200	0.83 y	18:30	-	100.00	n
13C-2,3,7,8-TCDF	203595200	0.79 y	17:57	1.66	100.00	n
2,3,7,8-TCDF	1240631	0.89 y	17:58	1.22	0.50	n
Total TCDF	-	- n	-	1.22	0.50	n
13C-2,3,7,8-TCDD	103097700	0.82 y	18:42	0.84	100.00	n
2,3,7,8-TCDD	760850	0.72 y	18:43	1.48	0.50	y
Total TCDD	-	- n	-	1.48	0.50	n
37C1-2,3,7,8-TCDD	1582814	1.00 y	18:43	2.57	0.50	n
13C-1,2,3,7,8-PeCDF	169570000	1.62 y	23:16	1.38	100.00	n
1,2,3,7,8-PeCDF	4630150	1.46 y	23:18	1.09	2.50	n
2,3,4,7,8-PeCDF	4822990	1.52 y	24:42	1.14	2.50	n
Total F2 PeCDF	-	- n	-	1.11	5.00	n
Total F1 PeCDF	-	- n	-	1.11	5.00	n
13C-1,2,3,7,8-PeCDD	98053000	1.59 y	25:25	0.80	100.00	n
1,2,3,7,8-PeCDD	2715870	1.64 y	25:27	1.11	2.50	n
Total PeCDD	-	- n	-	1.11	2.50	n
13C-1,2,3,7,8,9-HxCDD	104725600	1.26 y	32:42	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	144696100	0.53 y	31:15	1.38	100.00	n
1,2,3,4,7,8-HxCDF	4204660	1.23 y	31:17	1.16	2.50	n
1,2,3,6,7,8-HxCDF	4719580	1.33 y	31:26	1.30	2.50	n
2,3,4,6,7,8-HxCDF	4362780	1.36 y	32:08	1.21	2.50	n
1,2,3,7,8,9-HxCDF	4254900	1.13 y	32:54	1.18	2.50	n
Total HxCDF	-	- n	-	1.21	10.00	n
13C-1,2,3,6,7,8-HxCDD	104981200	1.31 y	32:24	1.00	100.00	n
1,2,3,4,7,8-HxCDD	2602070	1.24 y	32:18	0.99	2.50	n
1,2,3,6,7,8-HxCDD	3052090	1.30 y	32:25	1.16	2.50	n
1,2,3,7,8,9-HxCDD	3031910	1.30 y	32:43	1.16	2.50	n
Total HxCDD	-	- n	-	1.10	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	114794900	0.47 y	34:25	1.10	100.00	n
1,2,3,4,6,7,8-HpCDF	4088330	0.98 y	34:25	1.42	2.50	n
1,2,3,4,7,8,9-HpCDF	3713690	1.03 y	35:40	1.29	2.50	n
Total HpCDF	-	- n	-	1.36	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	96576300	1.07 y	35:19	0.92	100.00	n
1,2,3,4,6,7,8-HpCDD	2805580	1.01 y	35:20	1.16	2.50	n
Total HpCDD	-	- n	-	1.16	2.50	n
13C-OCDD	163968100	0.90 y	38:01	0.78	200.00	n
OCDF	6126460	0.97 y	38:08	1.49	5.00	n

OCDD 5096290 0.93 y 38:01 1.24 5.00 n

Run #1 Filename 17MR061D5 S: 4 I: 1
 Acquired: 17-MAR-06 11:12:42 Processed: 17-MAR-06 13:15:45
 Run: 17MR061D5 Analyte: 8290 Cal: 82900317061D5

Comments:

Sample text: ST0317B :CS1 2565-41A

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	122953200	0.83 y	18:30	-	100.00	n
13C-2,3,7,8-TCDF	203595200	0.79 y	17:57	1.66	100.00	n
2,3,7,8-TCDF	1240631	0.89 y	17:58	1.22	0.50	n
Total TCDF	-	- n	-	1.22	0.50	n
13C-2,3,7,8-TCDD	103097700	0.82 y	18:42	0.84	100.00	n
2,3,7,8-TCDD	688176	0.64 n	18:43	1.33	0.50	n
Total TCDD	-	- n	-	1.33	0.50	n
37Cl-2,3,7,8-TCDD	1582814	1.00 y	18:43	2.57	0.50	n
13C-1,2,3,7,8-PeCDF	169570000	1.62 y	23:16	1.38	100.00	n
1,2,3,7,8-PeCDF	4630150	1.46 y	23:18	1.09	2.50	n
2,3,4,7,8-PeCDF	4822990	1.52 y	24:42	1.14	2.50	n
Total F2 PeCDF	-	- n	-	1.11	5.00	n
Total F1 PeCDF	-	- n	-	1.11	5.00	n
13C-1,2,3,7,8-PeCDD	98053000	1.59 y	25:25	0.80	100.00	n
1,2,3,7,8-PeCDD	2715870	1.64 y	25:27	1.11	2.50	n
Total PeCDD	-	- n	-	1.11	2.50	n
13C-1,2,3,7,8,9-HxCDD	104725600	1.26 y	32:42	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	144696100	0.53 y	31:15	1.38	100.00	n
1,2,3,4,7,8-HxCDF	4204660	1.23 y	31:17	1.16	2.50	n
1,2,3,6,7,8-HxCDF	4719580	1.33 y	31:26	1.30	2.50	n
2,3,4,6,7,8-HxCDF	4362780	1.36 y	32:08	1.21	2.50	n
1,2,3,7,8,9-HxCDF	4254900	1.13 y	32:54	1.18	2.50	n
Total HxCDF	-	- n	-	1.21	10.00	n
13C-1,2,3,6,7,8-HxCDD	104981200	1.31 y	32:24	1.00	100.00	n
1,2,3,4,7,8-HxCDD	2602070	1.24 y	32:18	0.99	2.50	n
1,2,3,6,7,8-HxCDD	3052090	1.30 y	32:25	1.16	2.50	n
1,2,3,7,8,9-HxCDD	3031910	1.30 y	32:43	1.16	2.50	n
Total HxCDD	-	- n	-	1.10	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	114794900	0.47 y	34:25	1.10	100.00	n
1,2,3,4,6,7,8-HpCDF	4088330	0.98 y	34:25	1.42	2.50	n
1,2,3,4,7,8,9-HpCDF	3713690	1.03 y	35:40	1.29	2.50	n
Total HpCDF	-	- n	-	1.36	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	96576300	1.07 y	35:19	0.92	100.00	n
1,2,3,4,6,7,8-HpCDD	2805580	1.01 y	35:20	1.16	2.50	n
Total HpCDD	-	- n	-	1.16	2.50	n
13C-OCDD	163968100	0.90 y	38:01	0.78	200.00	n
OCDF	6126460	0.97 y	38:08	1.49	5.00	n

OCDD 5096290 0.93 y 38:01 1.24 5.00 n

Run #2 Filename 17MR061D5 S: 3 I: 1
 Acquired: 17-MAR-06 10:31:02 Processed: 17-MAR-06 13:15:48
 Run: 17MR061D5 Analyte: 8290 Cal: 82900317061D5

Comments:

Sample text: ST0317A :CS2 2565-41B

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	118826400	0.80 y	18:30	-	100.00 n
13C-2,3,7,8-TCDF	200008900	0.81 y	17:57	1.68	100.00 n
2,3,7,8-TCDF	4485140	0.77 y	17:58	1.12	2.00 n
Total TCDF	-	- n	-	1.12	2.00 n
13C-2,3,7,8-TCDD	101657700	0.78 y	18:42	0.86	100.00 n
2,3,7,8-TCDD	2968960	0.77 y	18:43	1.46	2.00 n
Total TCDD	-	- n	-	1.46	2.00 n
37Cl-2,3,7,8-TCDD	5238200	1.00 y	18:43	2.20	2.00 n
13C-1,2,3,7,8-PeCDF	160928800	1.63 y	23:17	1.35	100.00 n
1,2,3,7,8-PeCDF	16813420	1.58 y	23:18	1.04	10.00 n
2,3,4,7,8-PeCDF	16742830	1.54 y	24:42	1.04	10.00 n
Total F2 PeCDF	-	- n	-	1.04	20.00 n
Total F1 PeCDF	-	- n	-	1.04	20.00 n
13C-1,2,3,7,8-PeCDD	93355400	1.64 y	25:26	0.79	100.00 n
1,2,3,7,8-PeCDD	9847010	1.56 y	25:28	1.05	10.00 n
Total PeCDD	-	- n	-	1.05	10.00 n
13C-1,2,3,7,8,9-HxCDD	104175700	1.31 y	32:42	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	134611700	0.53 y	31:16	1.29	100.00 n
1,2,3,4,7,8-HxCDF	15780180	1.29 y	31:16	1.17	10.00 n
1,2,3,6,7,8-HxCDF	16797290	1.22 y	31:26	1.25	10.00 n
2,3,4,6,7,8-HxCDF	15403450	1.28 y	32:08	1.14	10.00 n
1,2,3,7,8,9-HxCDF	15004370	1.23 y	32:55	1.11	10.00 n
Total HxCDF	-	- n	-	1.17	40.00 n
13C-1,2,3,6,7,8-HxCDD	98048500	1.24 y	32:23	0.94	100.00 n
1,2,3,4,7,8-HxCDD	10189220	1.26 y	32:18	1.04	10.00 n
1,2,3,6,7,8-HxCDD	10322870	1.29 y	32:24	1.05	10.00 n
1,2,3,7,8,9-HxCDD	10873840	1.23 y	32:43	1.11	10.00 n
Total HxCDD	-	- n	-	1.07	30.00 n
13C-1,2,3,4,6,7,8-HpCDF	111599100	0.47 y	34:25	1.07	100.00 n
1,2,3,4,6,7,8-HpCDF	14919030	1.01 y	34:26	1.34	10.00 n
1,2,3,4,7,8,9-HpCDF	13102880	1.04 y	35:40	1.17	10.00 n
Total HpCDF	-	- n	-	1.26	20.00 n
13C-1,2,3,4,6,7,8-HpCDD	95497900	1.08 y	35:19	0.92	100.00 n
1,2,3,4,6,7,8-HpCDD	9947880	1.09 y	35:20	1.04	10.00 n
Total HpCDD	-	- n	-	1.04	10.00 n
13C-OCDD	150794400	0.91 y	38:01	0.72	200.00 n
OCDF	22204500	0.90 y	38:08	1.47	20.00 n
OCDD	16715080	0.90 y	38:02	1.11	20.00 n

Run #3 Filename 17MR061D5 S: 2 I: 1
 Acquired: 17-MAR-06 09:49:22 Processed: 17-MAR-06 13:15:49
 Run: 17MR061D5 Analyte: 8290 Cal: 82900317061D5

Comments:

Sample text: ST0317 :CS3 2565-41C

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	98796300	0.81 y	18:30	-	100.00 n
13C-2,3,7,8-TCDF	170527400	0.81 y	17:58	1.73	100.00 n
2,3,7,8-TCDF	18092460	0.85 y	17:58	1.06	10.00 n
Total TCDF	-	- n	-	1.06	10.00 n
13C-2,3,7,8-TCDD	88327500	0.79 y	18:42	0.89	100.00 n
2,3,7,8-TCDD	12164640	0.83 y	18:43	1.38	10.00 n
Total TCDD	-	- n	-	1.38	10.00 n
37Cl-2,3,7,8-TCDD	23839600	1.00 y	18:43	2.41	10.00 n
13C-1,2,3,7,8-PeCDF	144421700	1.62 y	23:18	1.46	100.00 n
1,2,3,7,8-PeCDF	74024900	1.57 y	23:20	1.03	50.00 n
2,3,4,7,8-PeCDF	77408200	1.55 y	24:43	1.07	50.00 n
Total F2 PeCDF	-	- n	-	1.05	100.00 n
Total F1 PeCDF	-	- n	-	1.05	100.00 n
13C-1,2,3,7,8-PeCDD	86494400	1.60 y	25:28	0.88	100.00 n
1,2,3,7,8-PeCDD	44638000	1.60 y	25:30	1.03	50.00 n
Total PeCDD	-	- n	-	1.03	50.00 n
13C-1,2,3,7,8,9-HxCDD	102912100	1.25 y	32:44	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	138505900	0.53 y	31:17	1.35	100.00 n
1,2,3,4,7,8-HxCDF	74833200	1.28 y	31:18	1.08	50.00 n
1,2,3,6,7,8-HxCDF	81724600	1.26 y	31:27	1.18	50.00 n
2,3,4,6,7,8-HxCDF	76035100	1.26 y	32:10	1.10	50.00 n
1,2,3,7,8,9-HxCDF	73490400	1.25 y	32:55	1.06	50.00 n
Total HxCDF	-	- n	-	1.10	200.00 n
13C-1,2,3,6,7,8-HxCDD	101866500	1.26 y	32:25	0.99	100.00 n
1,2,3,4,7,8-HxCDD	46477800	1.26 y	32:20	0.91	50.00 n
1,2,3,6,7,8-HxCDD	52796700	1.29 y	32:26	1.04	50.00 n
1,2,3,7,8,9-HxCDD	55133300	1.29 y	32:45	1.08	50.00 n
Total HxCDD	-	- n	-	1.01	150.00 n
13C-1,2,3,4,6,7,8-HpCDF	111111600	0.45 y	34:26	1.08	100.00 n
1,2,3,4,6,7,8-HpCDF	77924600	1.07 y	34:26	1.40	50.00 n
1,2,3,4,7,8,9-HpCDF	68738700	1.06 y	35:41	1.24	50.00 n
Total HpCDF	-	- n	-	1.32	100.00 n
13C-1,2,3,4,6,7,8-HpCDD	94220600	1.06 y	35:20	0.92	100.00 n
1,2,3,4,6,7,8-HpCDD	48934400	1.07 y	35:20	1.04	50.00 n
Total HpCDD	-	- n	-	1.04	50.00 n
13C-OCDD	165659900	0.93 y	38:02	0.80	200.00 n
OCDF	116135800	0.93 y	38:09	1.40	100.00 n
OCDD	86794300	0.90 y	38:02	1.05	100.00 n

Run #4 Filename 17MR061D5 S: 6 I: 1
 Acquired: 17-MAR-06 12:36:02 Processed: 17-MAR-06 13:15:51
 Run: 17MR061D5 Analyte: 8290 Cal: 82900317061D5

Comments:

Sample text: ST0317D :CS4 2565-41D

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	119091300	0.82 y	18:29	-	100.00	n
13C-2,3,7,8-TCDF	208979400	0.82 y	17:57	1.75	100.00	n
2,3,7,8-TCDF	89936200	0.83 y	17:58	1.08	40.00	n
Total TCDF	-	- n	-	1.08	40.00	n
13C-2,3,7,8-TCDD	106127800	0.82 y	18:42	0.89	100.00	n
2,3,7,8-TCDD	58266200	0.80 y	18:43	1.37	40.00	n
Total TCDD	-	- n	-	1.37	40.00	n
37Cl-2,3,7,8-TCDD	114271400	1.00 y	18:43	2.40	40.00	n
13C-1,2,3,7,8-PeCDF	179153000	1.60 y	23:16	1.50	100.00	n
1,2,3,7,8-PeCDF	362880000	1.57 y	23:18	1.01	200.00	n
2,3,4,7,8-PeCDF	379977000	1.58 y	24:41	1.06	200.00	n
Total F2 PeCDF	-	- n	-	1.04	400.00	n
Total F1 PeCDF	-	- n	-	1.04	400.00	n
13C-1,2,3,7,8-PeCDD	103960700	1.59 y	25:26	0.87	100.00	n
1,2,3,7,8-PeCDD	216965800	1.61 y	25:27	1.04	200.00	n
Total PeCDD	-	- n	-	1.04	200.00	n
13C-1,2,3,7,8,9-HxCDD	112775400	1.29 y	32:42	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	145929000	0.53 y	31:15	1.29	100.00	n
1,2,3,4,7,8-HxCDF	338560000	1.28 y	31:16	1.16	200.00	n
1,2,3,6,7,8-HxCDF	364576000	1.23 y	31:26	1.25	200.00	n
2,3,4,6,7,8-HxCDF	332067000	1.26 y	32:08	1.14	200.00	n
1,2,3,7,8,9-HxCDF	324107000	1.25 y	32:54	1.11	200.00	n
Total HxCDF	-	- n	-	1.16	800.00	n
13C-1,2,3,6,7,8-HxCDD	108384800	1.31 y	32:23	0.96	100.00	n
1,2,3,4,7,8-HxCDD	209151500	1.24 y	32:19	0.96	200.00	n
1,2,3,6,7,8-HxCDD	227902000	1.26 y	32:24	1.05	200.00	n
1,2,3,7,8,9-HxCDD	235304000	1.27 y	32:43	1.09	200.00	n
Total HxCDD	-	- n	-	1.03	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	116528800	0.48 y	34:25	1.03	100.00	n
1,2,3,4,6,7,8-HpCDF	311948000	1.04 y	34:25	1.34	200.00	n
1,2,3,4,7,8,9-HpCDF	292352000	1.04 y	35:40	1.25	200.00	n
Total HpCDF	-	- n	-	1.30	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	97394000	1.09 y	35:19	0.86	100.00	n
1,2,3,4,6,7,8-HpCDD	201605400	1.06 y	35:20	1.03	200.00	n
Total HpCDD	-	- n	-	1.03	200.00	n
13C-OCDD	171446500	0.92 y	38:00	0.76	200.00	n
OCDF	493363000	0.91 y	38:08	1.44	400.00	n
OCDD	361328000	0.91 y	38:01	1.05	400.00	n

Run #5 Filename 17MR061D5 S: 5 I: 1
 Acquired: 17-MAR-06 11:54:21 Processed: 17-MAR-06 13:15:54
 Run: 17MR061D5 Analyte: 8290 Cal: 82900317061D5

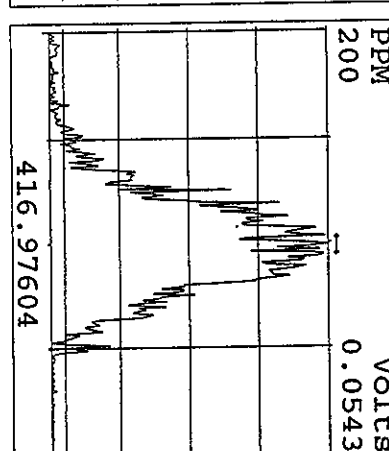
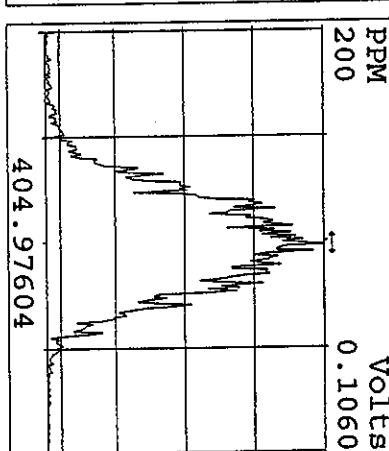
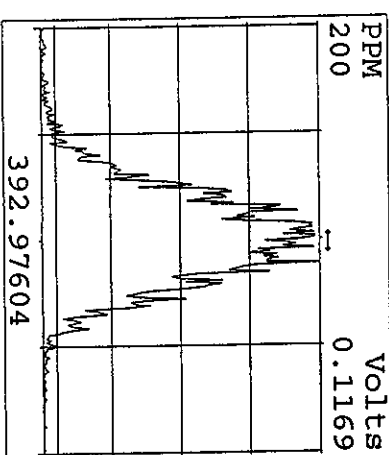
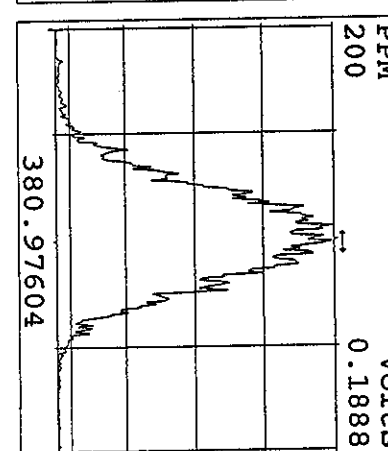
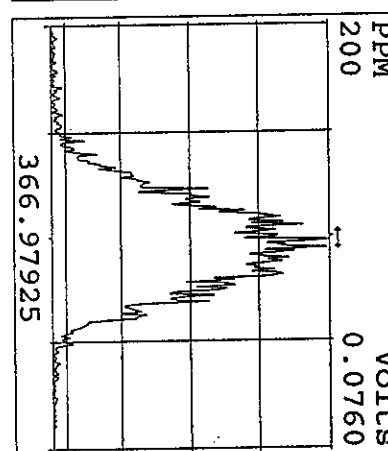
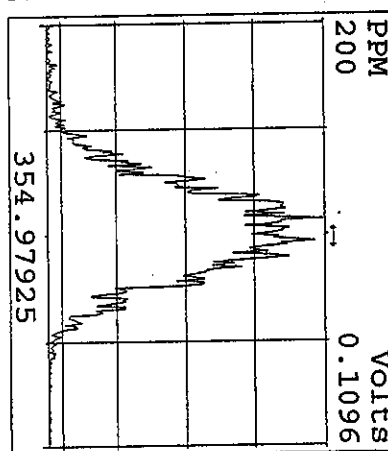
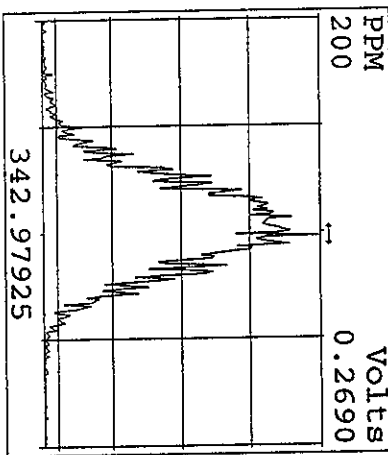
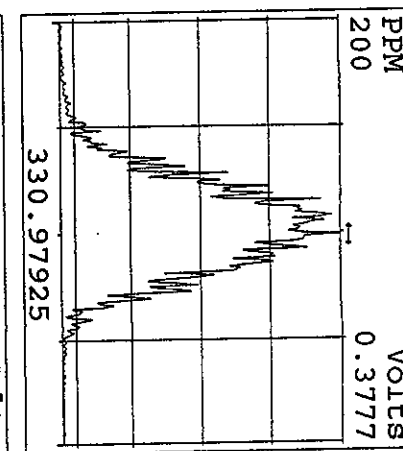
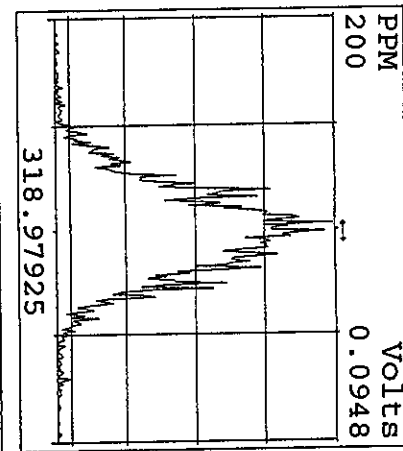
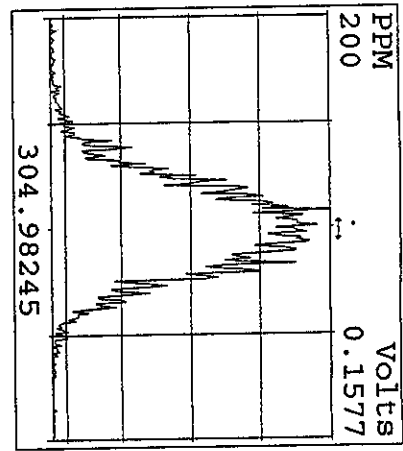
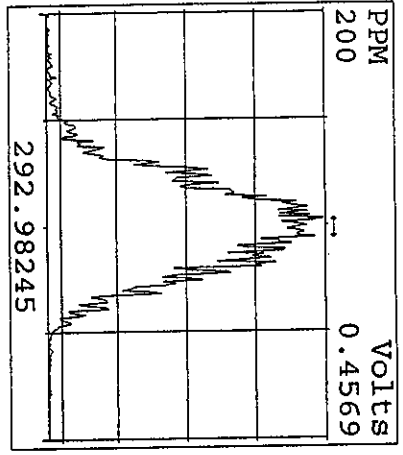
Comments:

Sample text: ST0317C :CS5 2565-41E

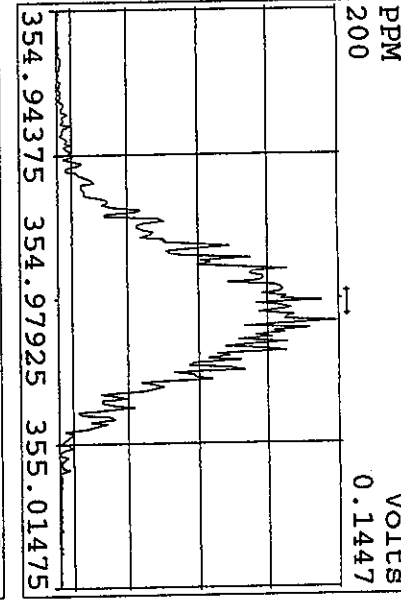
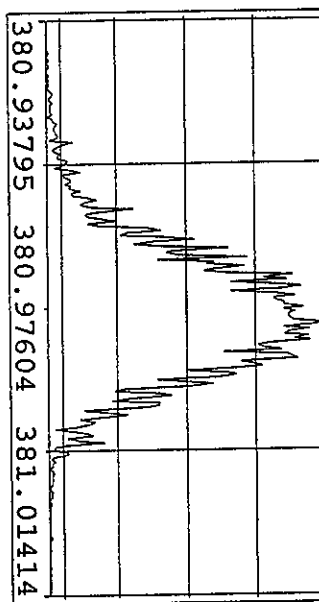
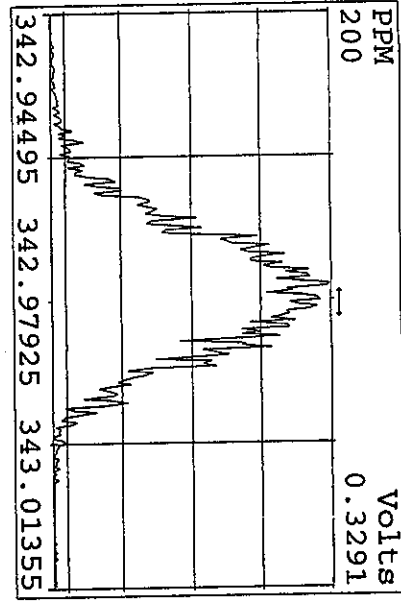
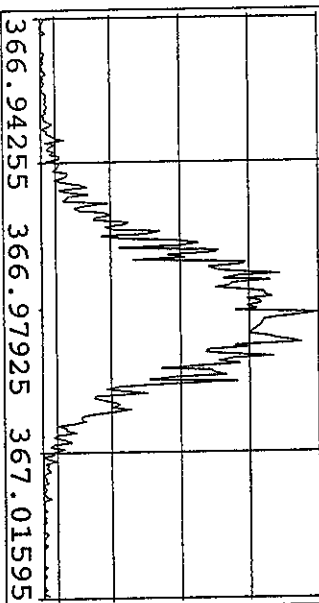
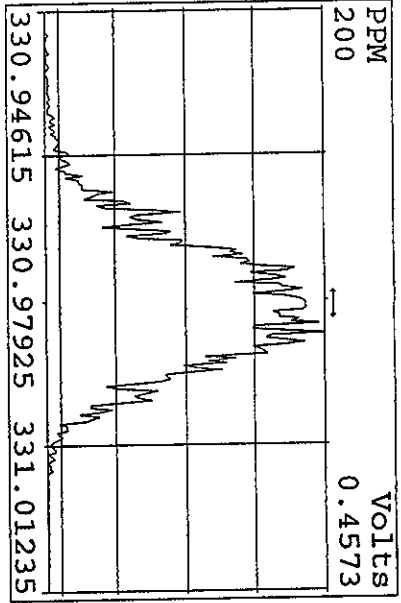
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	128987000	0.82 y	18:30	-	100.00	n
13C-2,3,7,8-TCDF	216888900	0.79 y	17:57	1.68	100.00	n
2,3,7,8-TCDF	452048000	0.83 y	17:58	1.04	200.00	n
Total TCDF	-	- n	-	1.04	200.00	n
13C-2,3,7,8-TCDD	111494100	0.81 y	18:41	0.86	100.00	n
2,3,7,8-TCDD	314121000	0.79 y	18:43	1.41	200.00	n
Total TCDD	-	- n	-	1.41	200.00	n
37Cl-2,3,7,8-TCDD	631878000	1.00 y	18:42	2.45	200.00	n
13C-1,2,3,7,8-PeCDF	180825900	1.66 y	23:16	1.40	100.00	n
1,2,3,7,8-PeCDF	1885989000	1.58 y	23:17	1.04	1000.00	n
2,3,4,7,8-PeCDF	1920272000	1.57 y	24:41	1.06	1000.00	n
Total F2 PeCDF	-	- n	-	1.05	2000.00	n
Total F1 PeCDF	-	- n	-	1.05	2000.00	n
13C-1,2,3,7,8-PeCDD	108440900	1.62 y	25:26	0.84	100.00	n
1,2,3,7,8-PeCDD	1118226000	1.59 y	25:27	1.03	1000.00	n
Total PeCDD	-	- n	-	1.03	1000.00	n
13C-1,2,3,7,8,9-HxCDD	115842800	1.30 y	32:42	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	157681200	0.53 y	31:16	1.36	100.00	n
1,2,3,4,7,8-HxCDF	1748376000	1.25 y	31:16	1.11	1000.00	n
1,2,3,6,7,8-HxCDF	1872883000	1.26 y	31:25	1.19	1000.00	n
2,3,4,6,7,8-HxCDF	1678726000	1.25 y	32:08	1.06	1000.00	n
1,2,3,7,8,9-HxCDF	1599127000	1.26 y	32:55	1.01	1000.00	n
Total HxCDF	-	- n	-	1.09	4000.00	n
13C-1,2,3,6,7,8-HxCDD	112297800	1.18 y	32:23	0.97	100.00	n
1,2,3,4,7,8-HxCDD	1086506000	1.36 y	32:18	0.97	1000.00	n
1,2,3,6,7,8-HxCDD	1167593000	1.18 y	32:24	1.04	1000.00	n
1,2,3,7,8,9-HxCDD	1186620000	1.26 y	32:43	1.06	1000.00	n
Total HxCDD	-	- n	-	1.02	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	118677400	0.48 y	34:25	1.02	100.00	n
1,2,3,4,6,7,8-HpCDF	1587196000	1.04 y	34:26	1.34	1000.00	n
1,2,3,4,7,8,9-HpCDF	1419939000	1.05 y	35:40	1.20	1000.00	n
Total HpCDF	-	- n	-	1.27	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	99242800	1.08 y	35:19	0.86	100.00	n
1,2,3,4,6,7,8-HpCDD	1012268000	1.06 y	35:20	1.02	1000.00	n
Total HpCDD	-	- n	-	1.02	1000.00	n
13C-OCDD	170055400	0.93 y	38:01	0.73	200.00	n
OCDF	2497140000	0.92 y	38:08	1.47	2000.00	n
OCDD	1777013000	0.90 y	38:02	1.04	2000.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
17MR061D5	1	CP0317	DB-5 CPSM 2565-47				1.000	
17MR061D5	2	ST0317	CS3 2565-41C				1.000	
17MR061D5	3	ST0317A	CS2 2565-41B				1.000	
17MR061D5	4	ST0317B	CS1 2565-41A				1.000	
17MR061D5	5	ST0317C	CS5 2565-41E				1.000	
17MR061D5	6	ST0317D	CS4 2565-41D				1.000	
17MR061D5	7	ST0317E	2nd Source 2565-65				1.000	
17MR061D5	8						1.000	
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17MR061D5	11		MG 03/17/06				1.000	

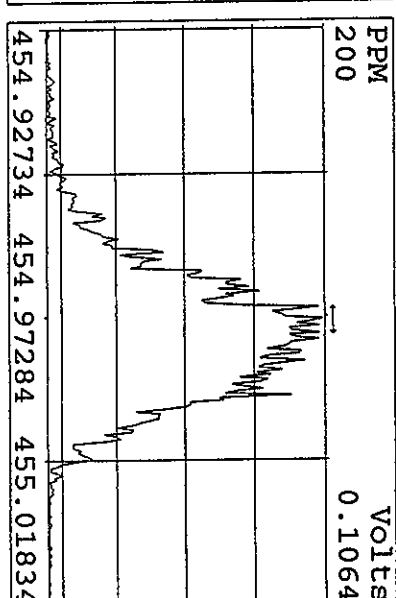
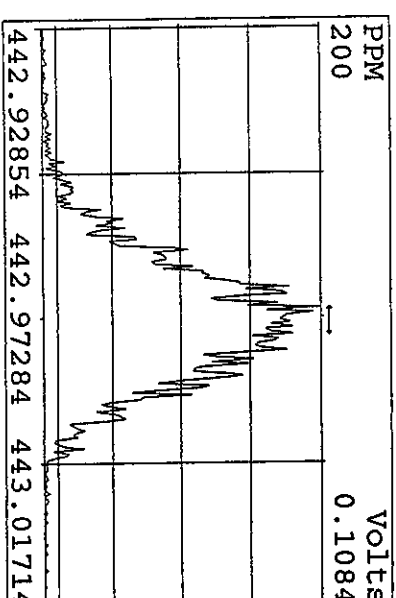
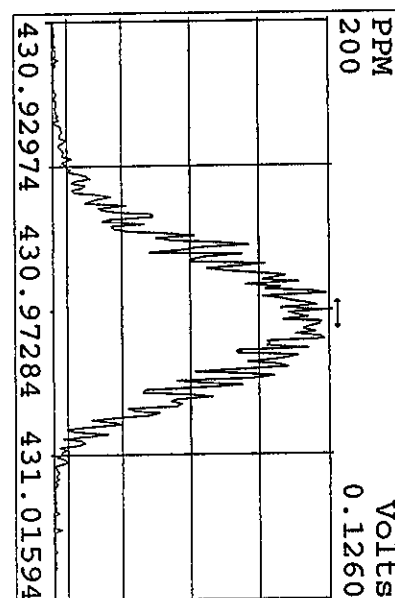
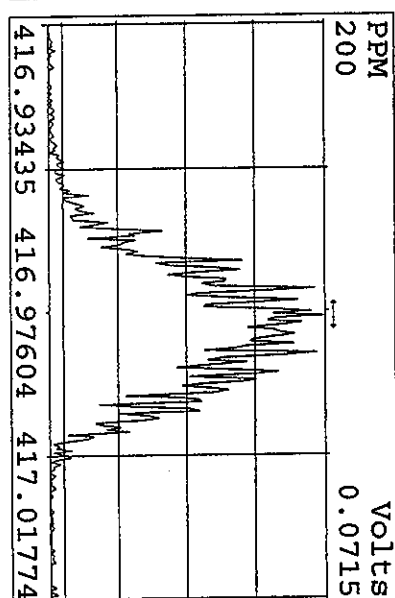
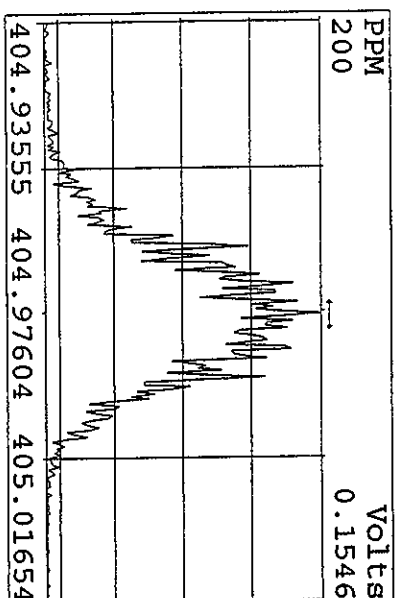
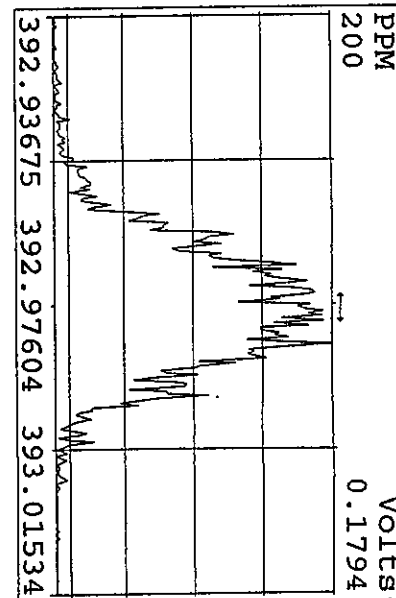
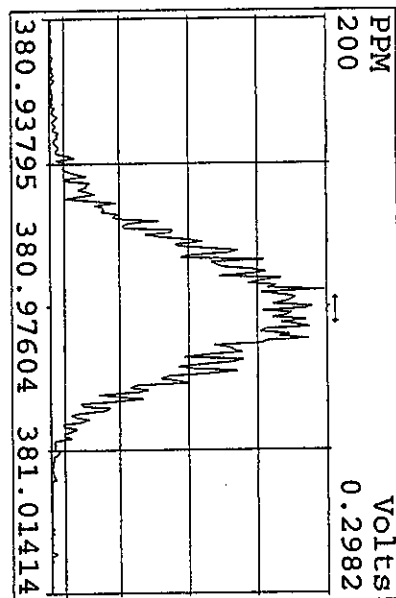
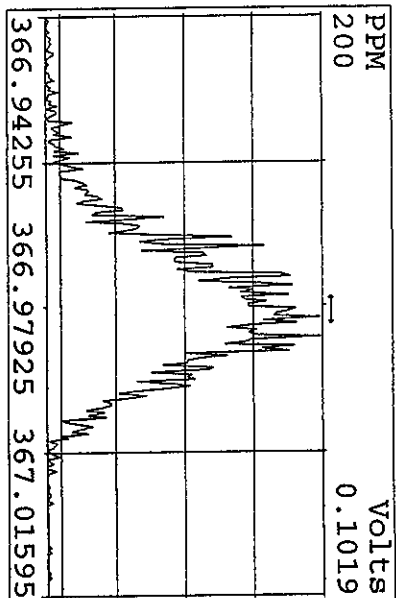
Peak Locate Examination: 17-MAR-2006:08:59 File: 17MR061D5
Experiment: DIOXIN Function: 1 Reference: PK



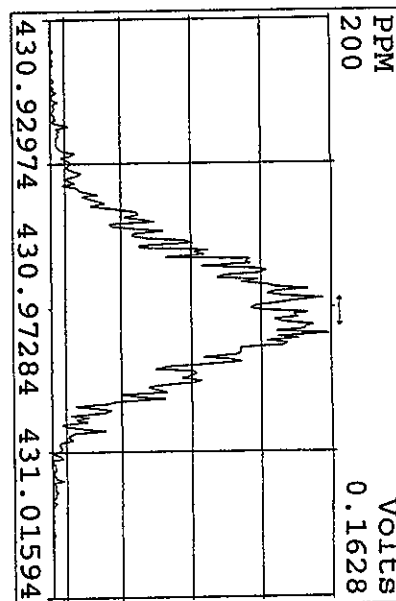
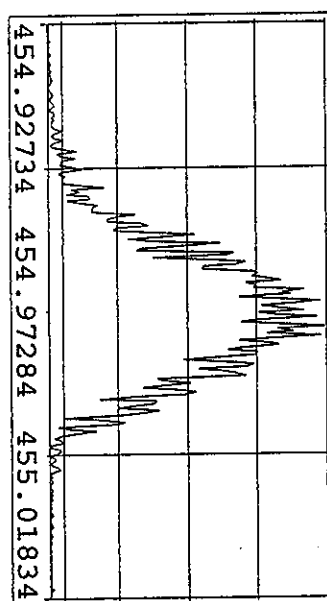
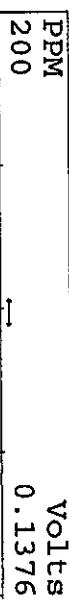
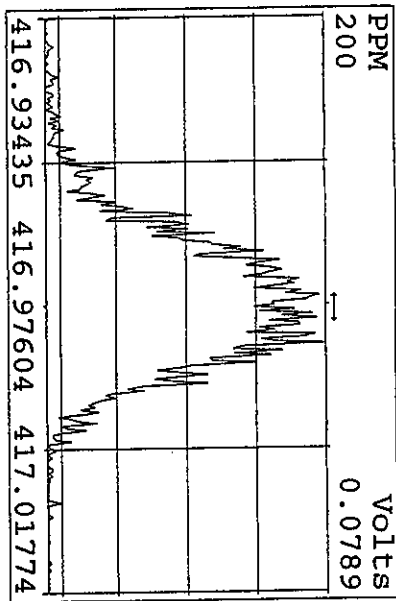
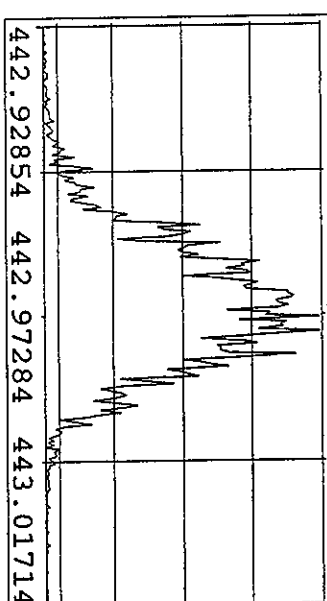
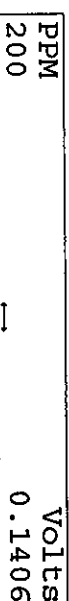
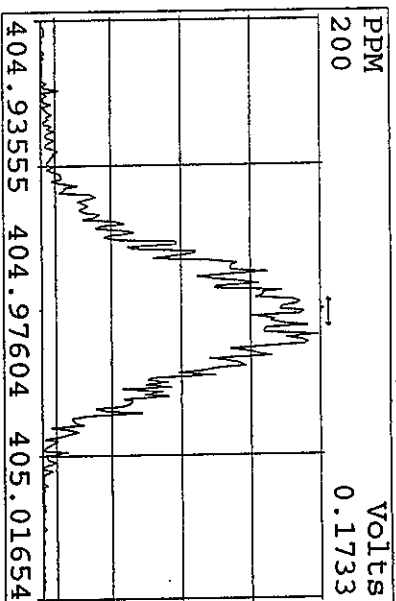
Peak Locate Examination:17-MAR-2006:09:00 File:17MR061D5
 Experiment:DIOXIN Function:2 Reference:PFK



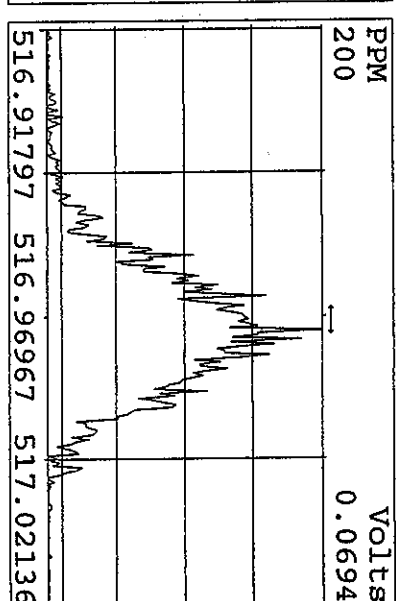
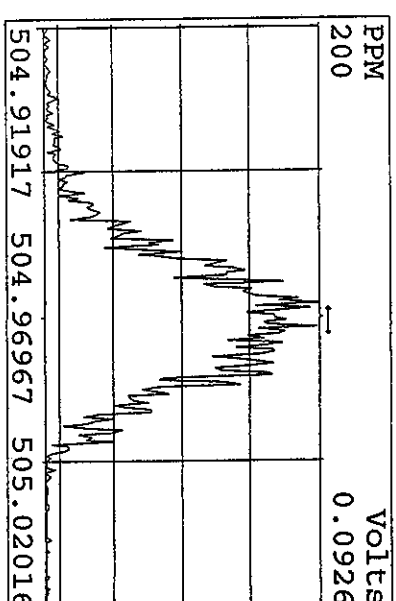
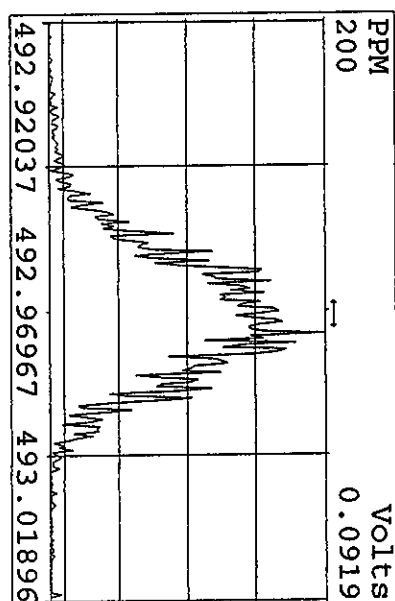
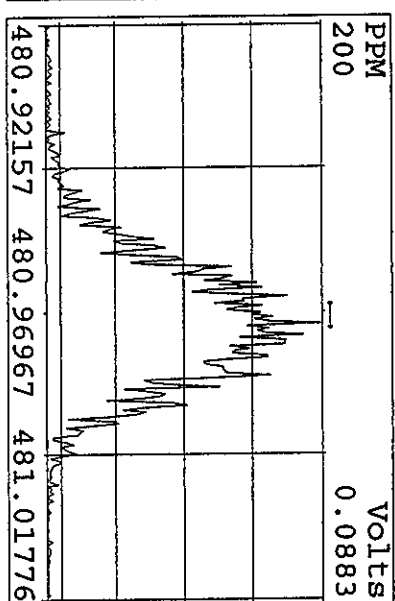
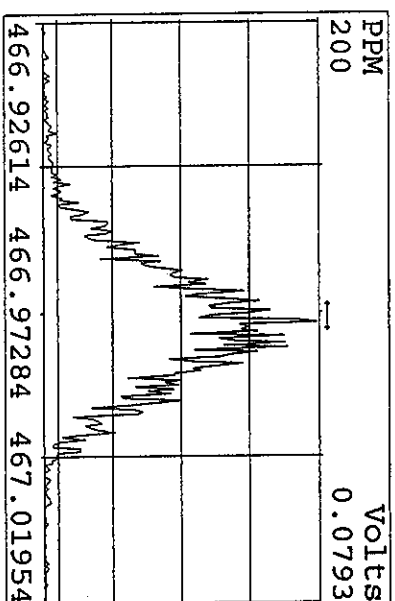
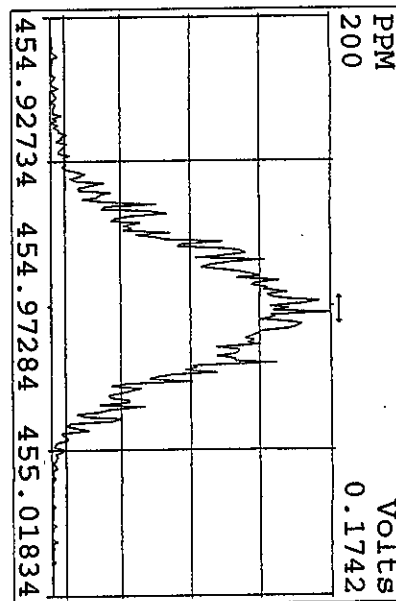
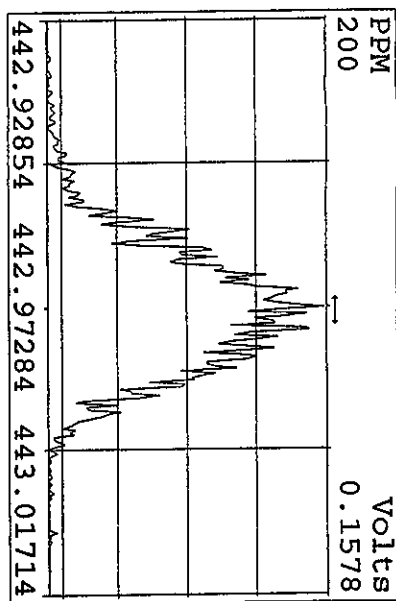
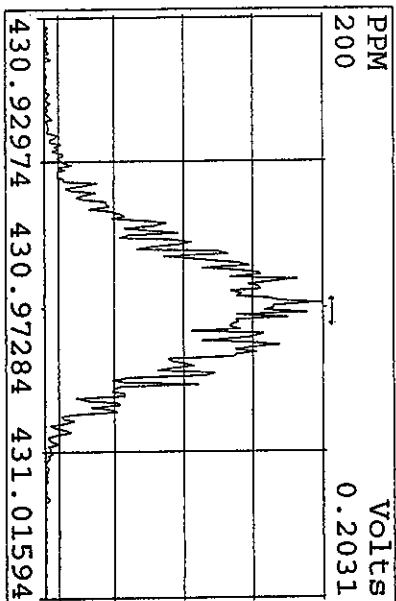
Peak Locate Examination: 17-MAR-2006:09:00 File: 17MR061D5
 Experiment: DIOXIN Function: 3 Reference: PFK



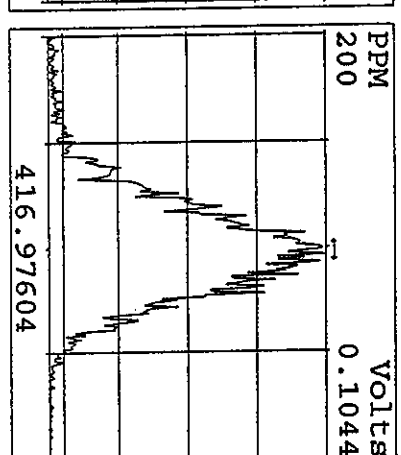
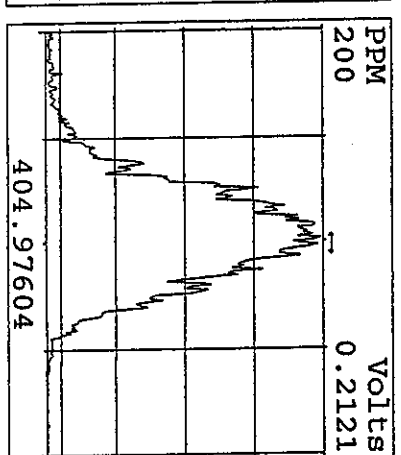
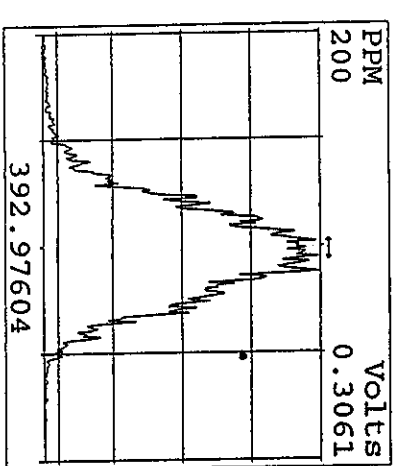
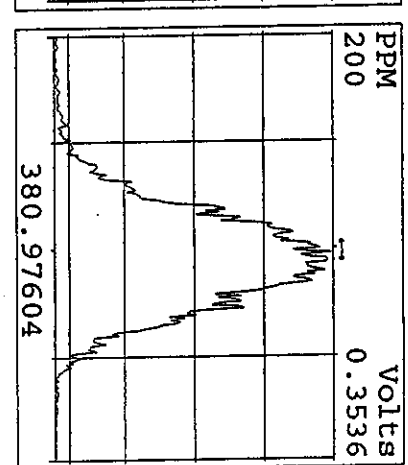
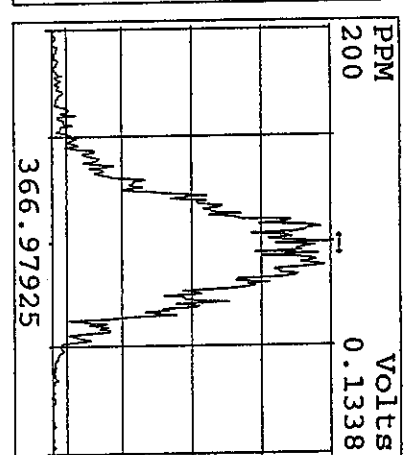
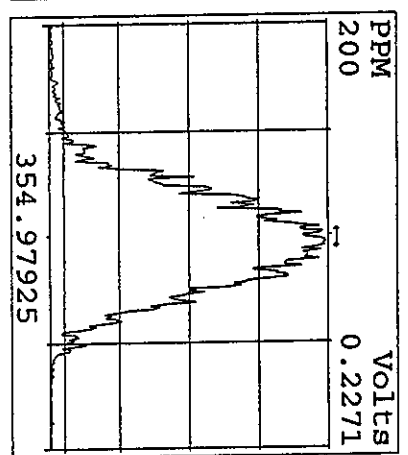
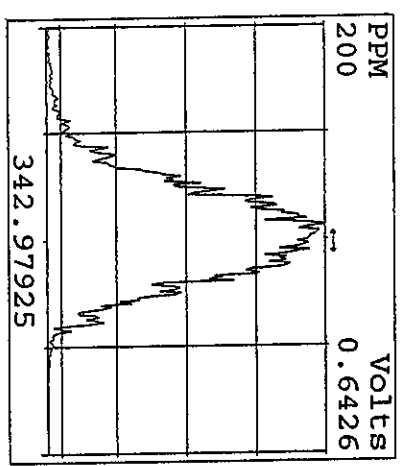
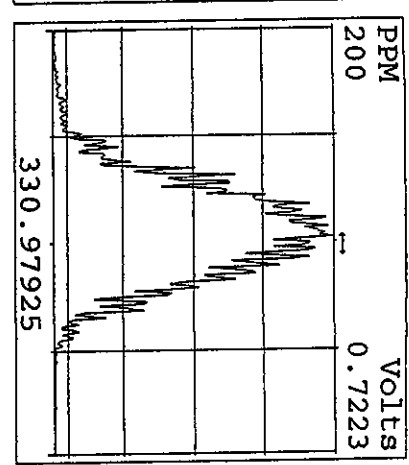
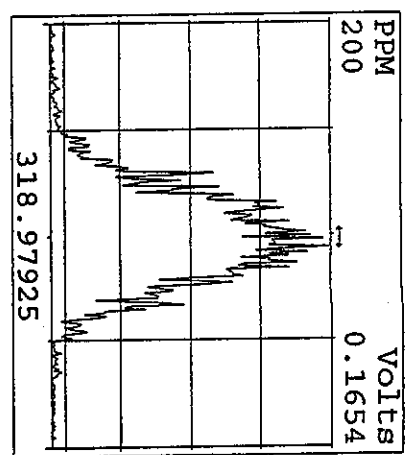
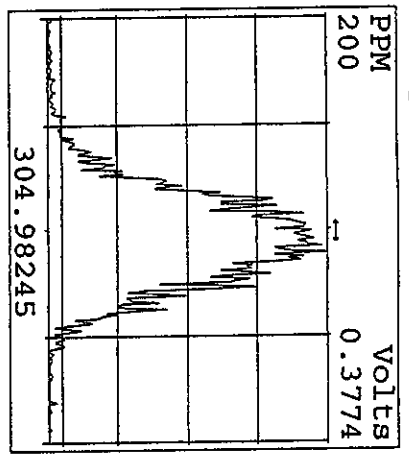
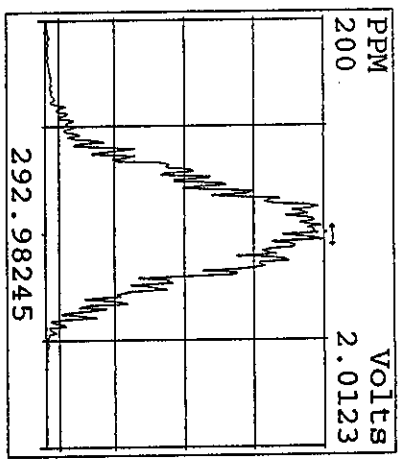
Peak Locate Examination:17-MAR-2006:09:00 File:17MR061D5
 Experiment:DIOXIN Function:4 Reference:PFK



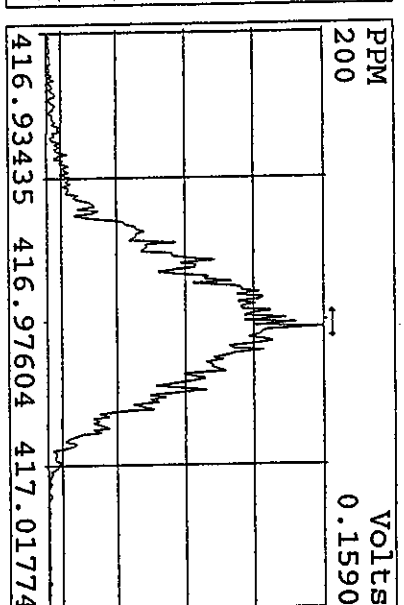
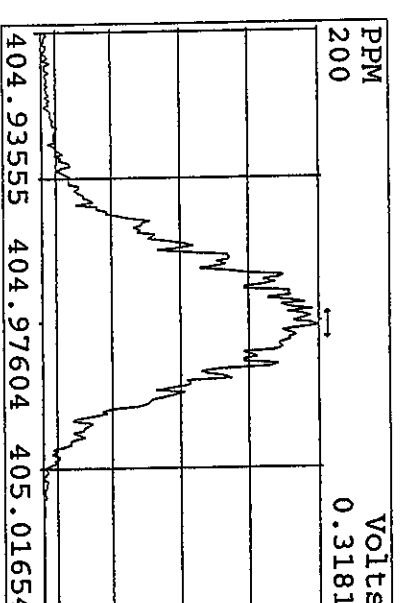
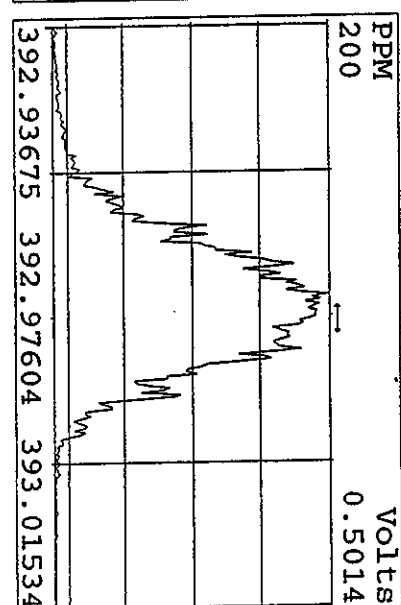
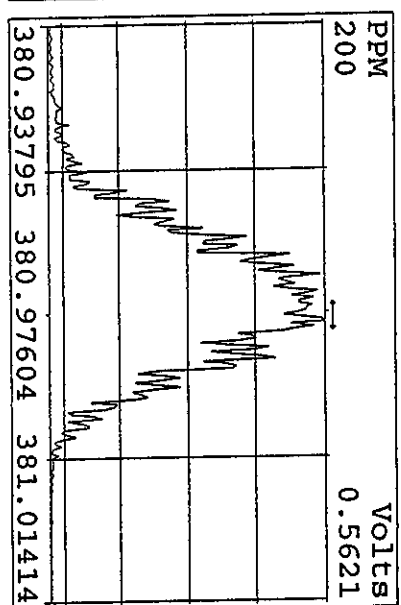
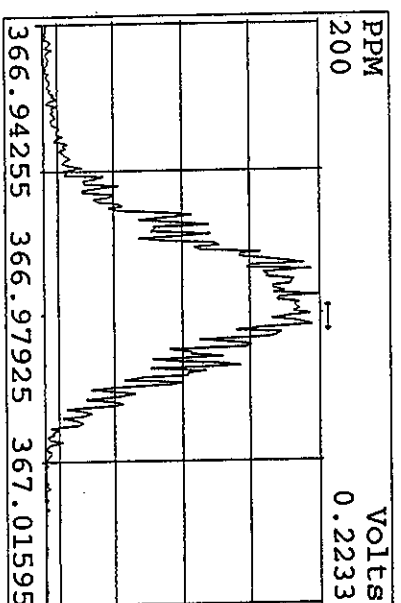
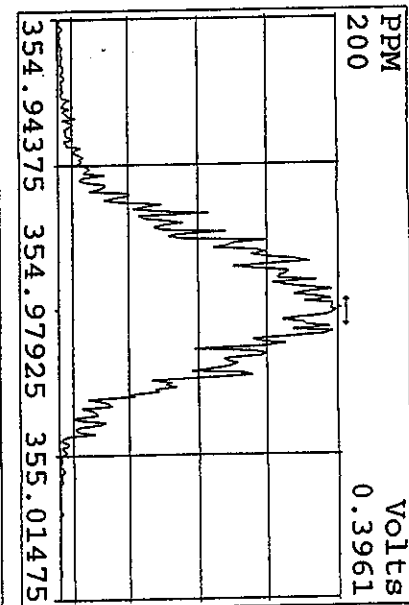
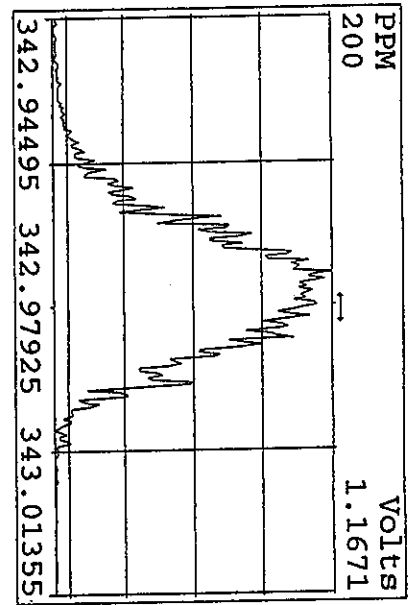
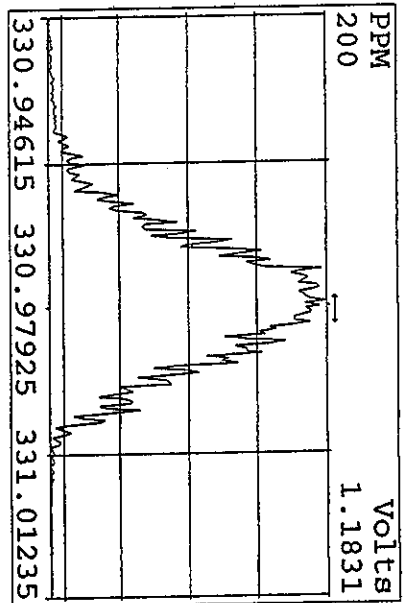
Peak Locate Examination: 17-MAR-2006:09:01 File: 17MR061D5
Experiment: DIOXIN Function: 5 Reference: PFK



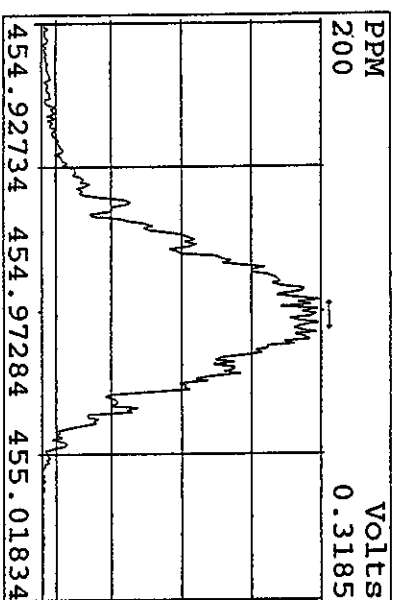
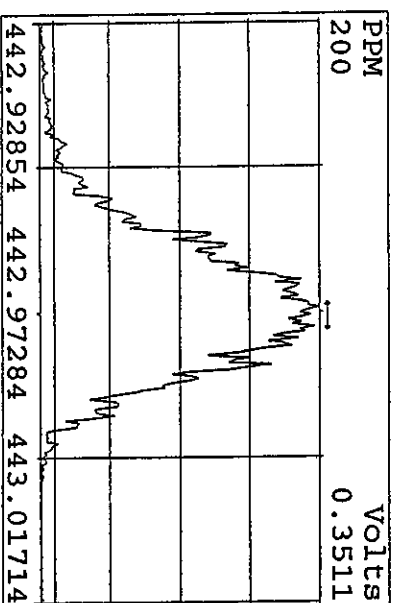
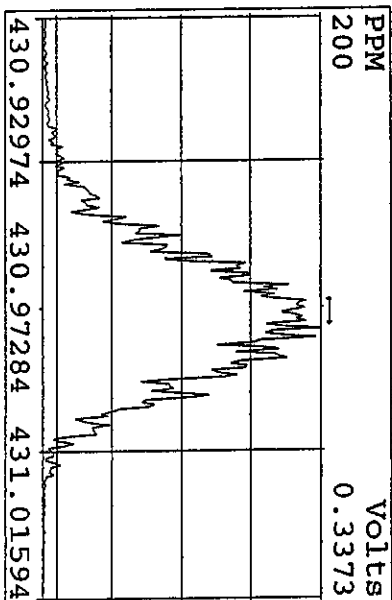
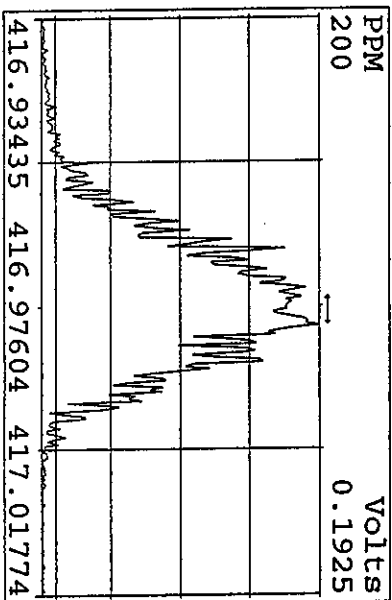
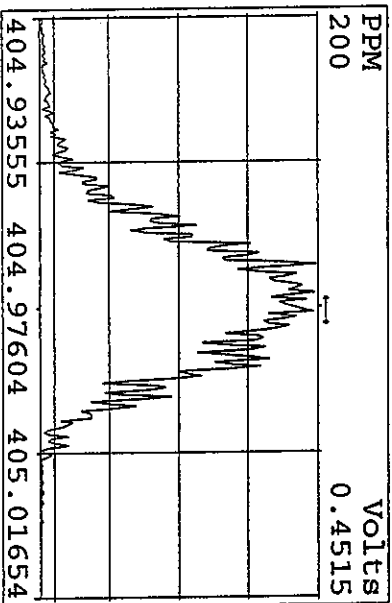
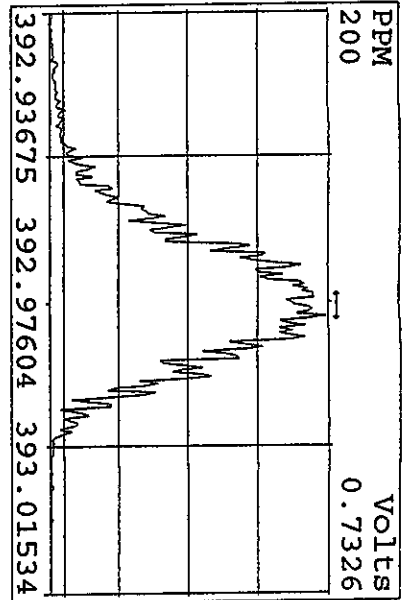
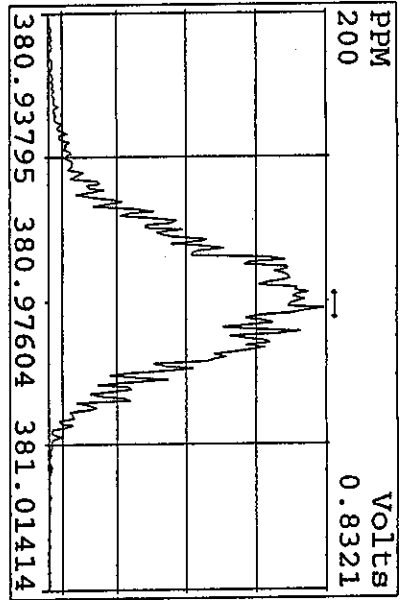
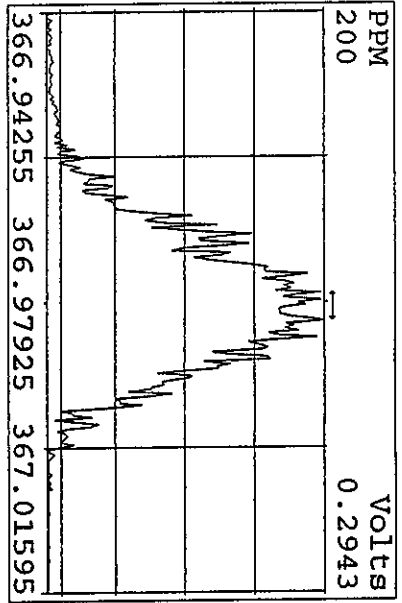
Peak Locate Examination: 17-MAR-2006: 14:05 File: 17MR06AIDS + ENDRFSCHK
 Experiment: DIOXIN Function: 1 Reference: PK



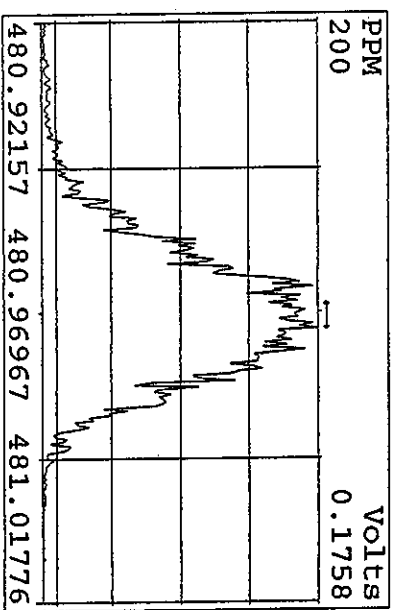
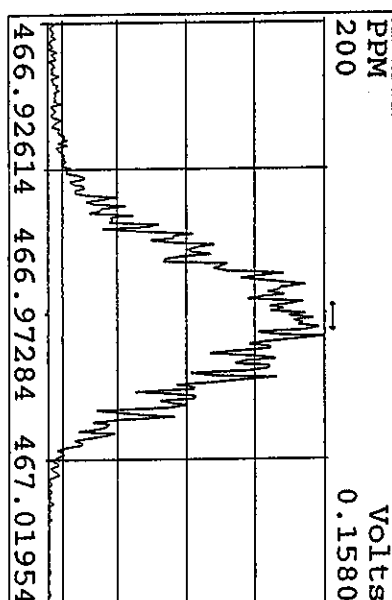
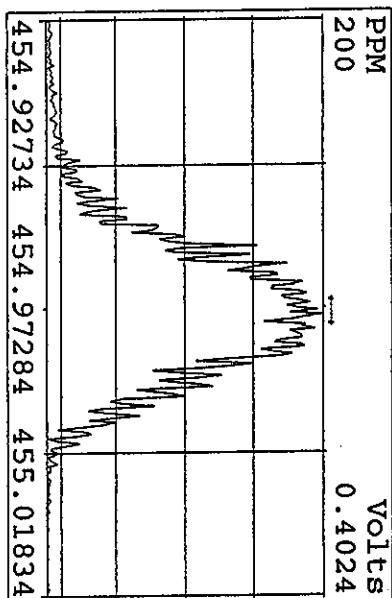
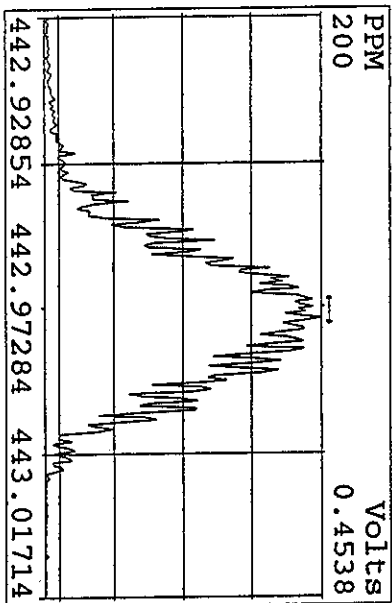
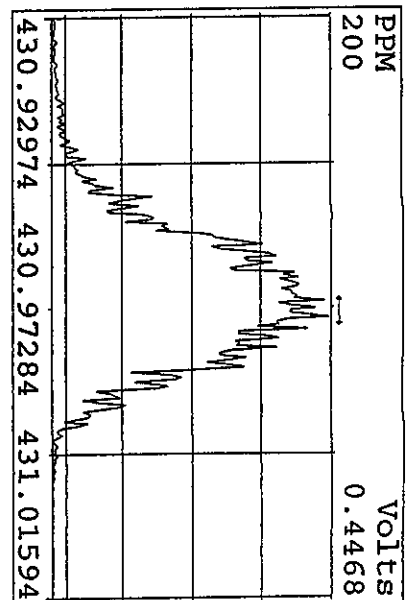
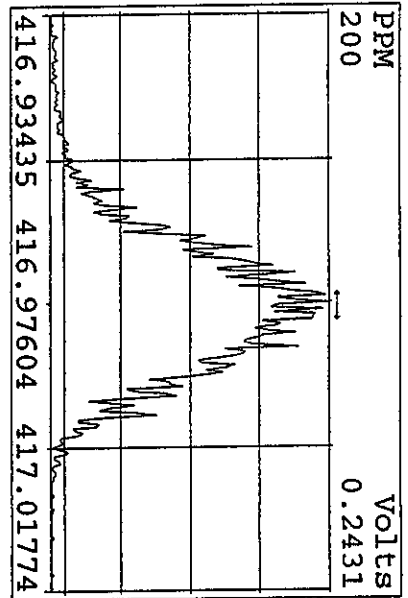
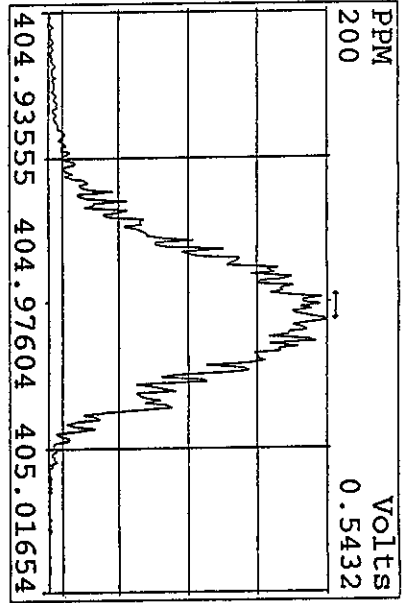
Peak Locate Examination: 17-MAR-2006:14:05 File: 17MR06A1D5 + END RESEARCH
 Experiment: DIOXIN Function: 2 Reference: PKK



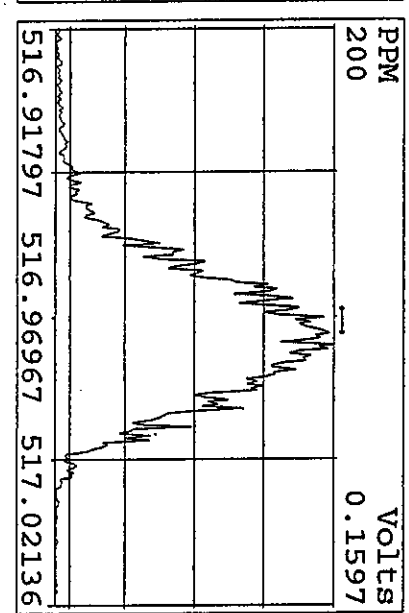
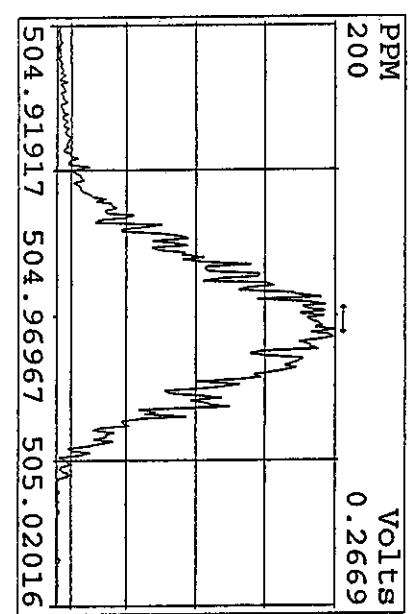
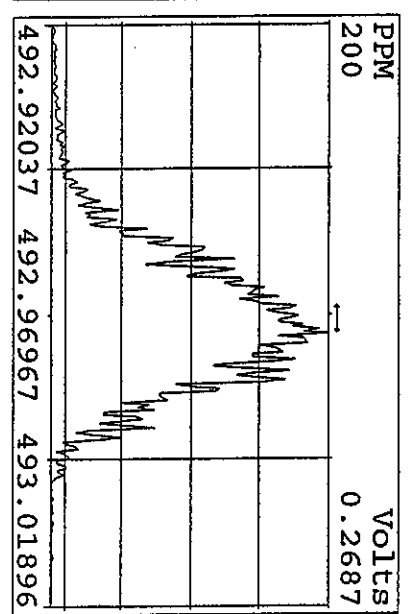
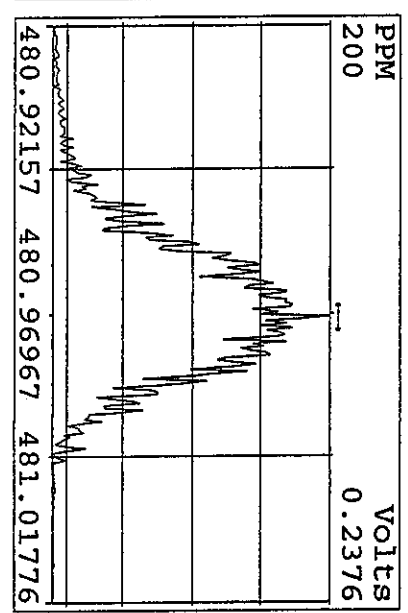
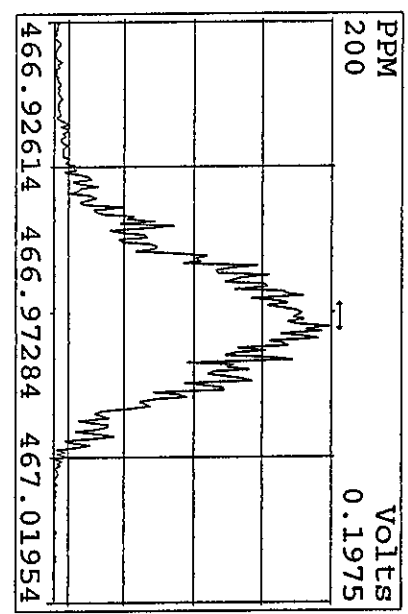
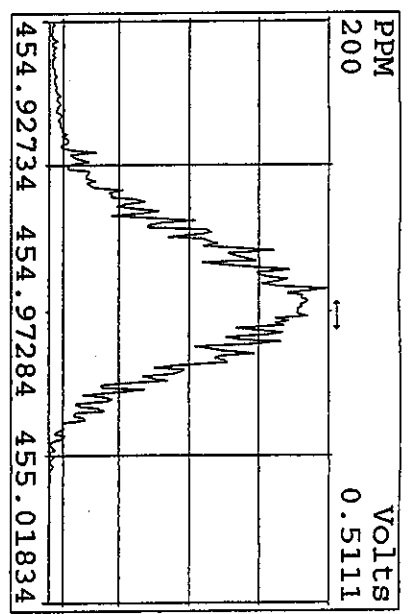
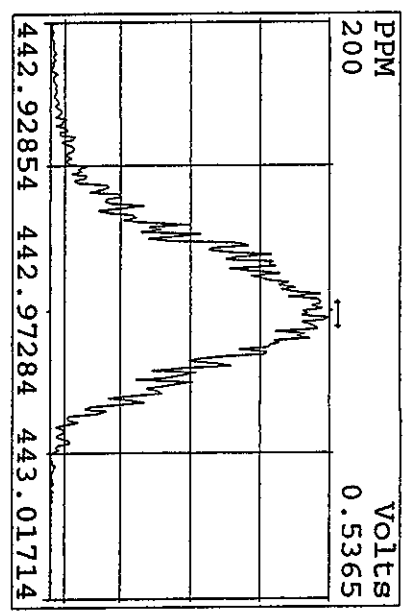
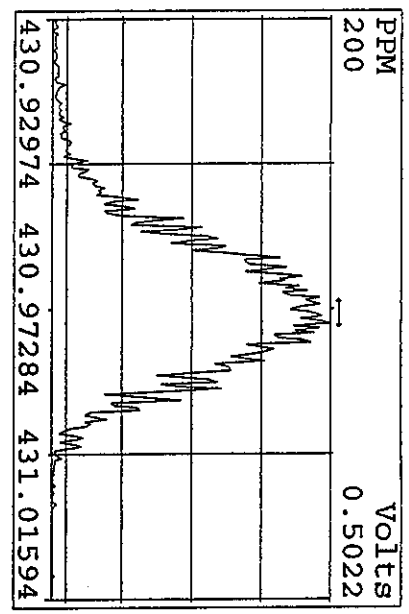
Peak Locate Examination: 17-MAR-2006: 14:06 File: 17MR06A1D5 + END RESEARCH
 Experiment: DIOXIN Function: 3 Reference: PFK



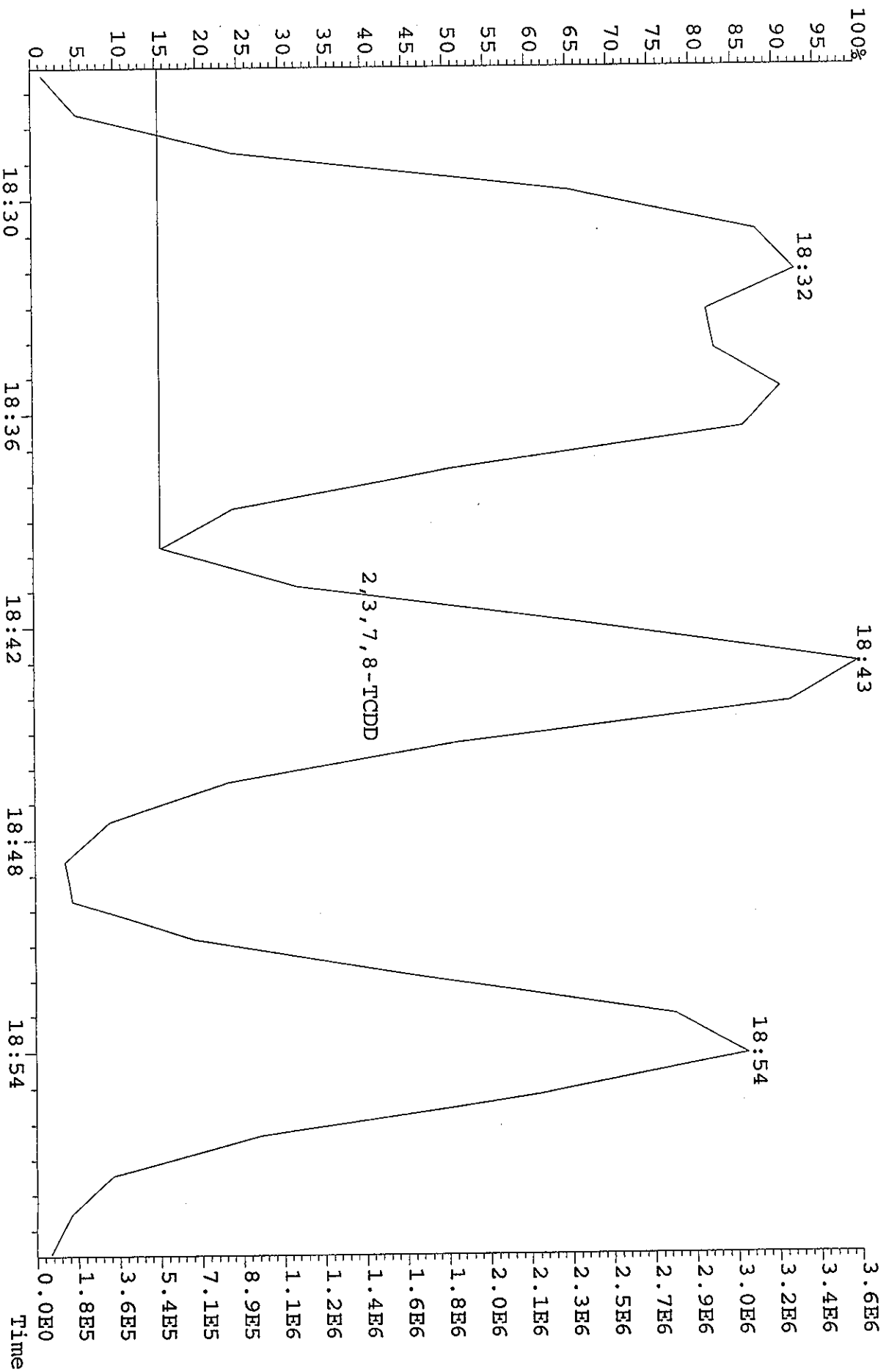
Peak Locate Examination: 17-MAR-2006: 14:06 File: 17MR06A1D5 + E.NDR.F3CHK
 Experiment: DIOXIN Function: 4 Reference: PFK



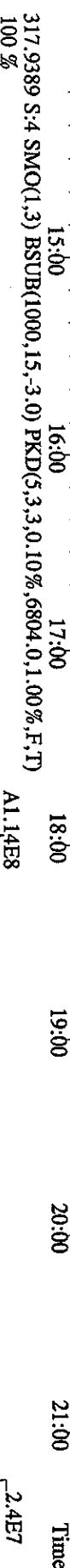
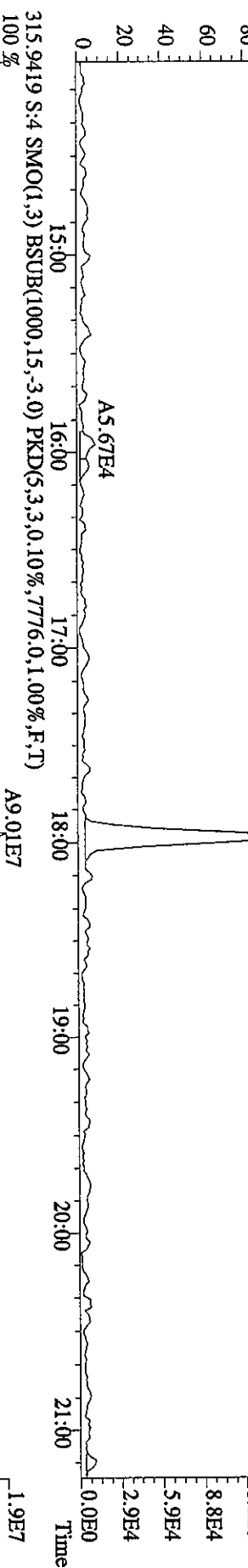
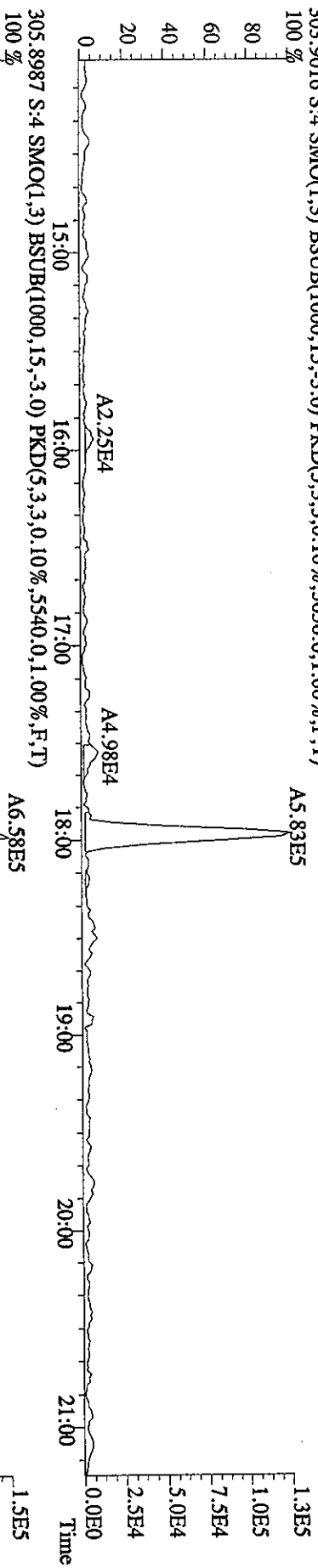
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 Experiment: DIOXIN Function: 5 Reference: PFK



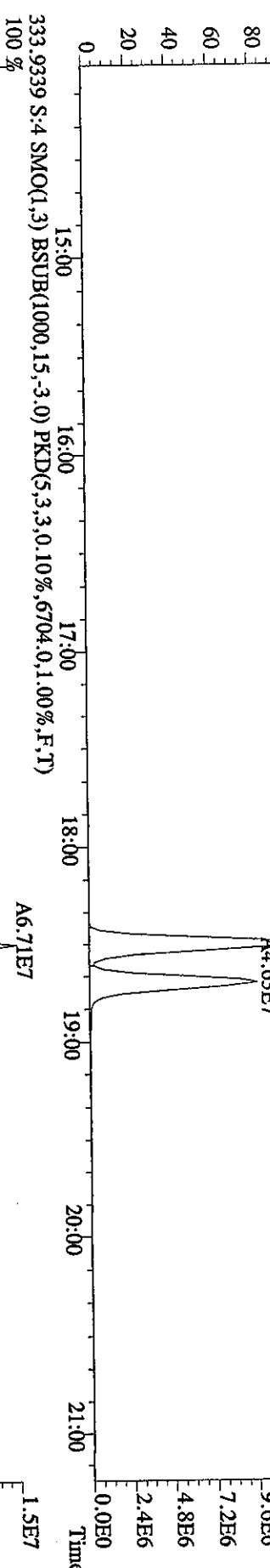
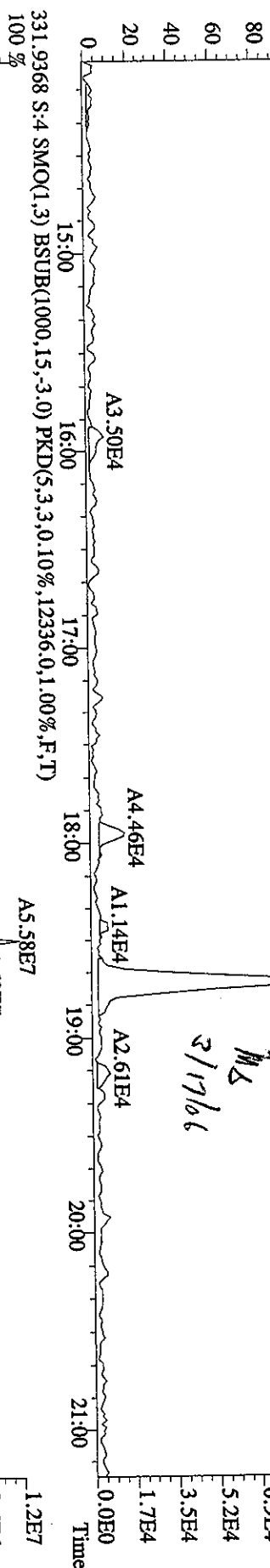
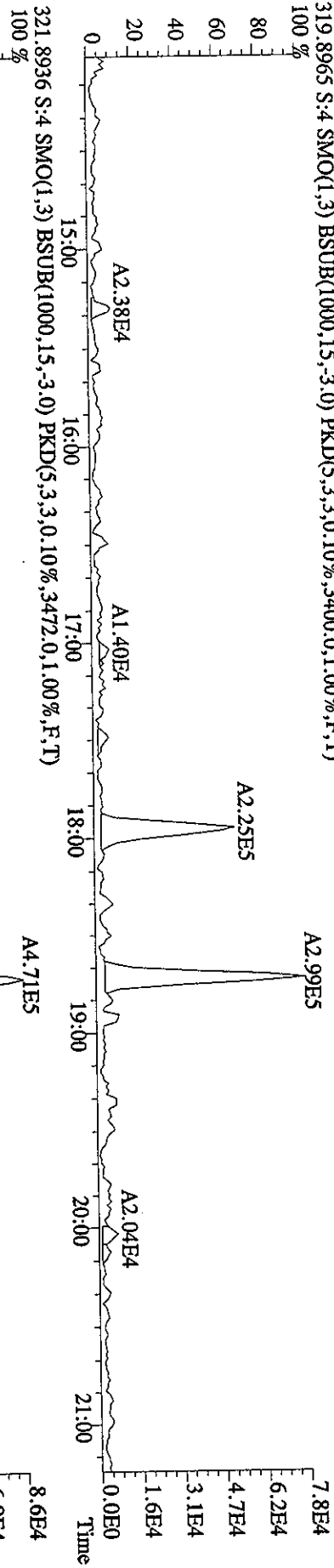
File: 17MR061D5 #1-393 Acq: 17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
321.8936 Exp: DIOXIN



File:17MR061D5 #1-393 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565-41A Exp:DIOXIN
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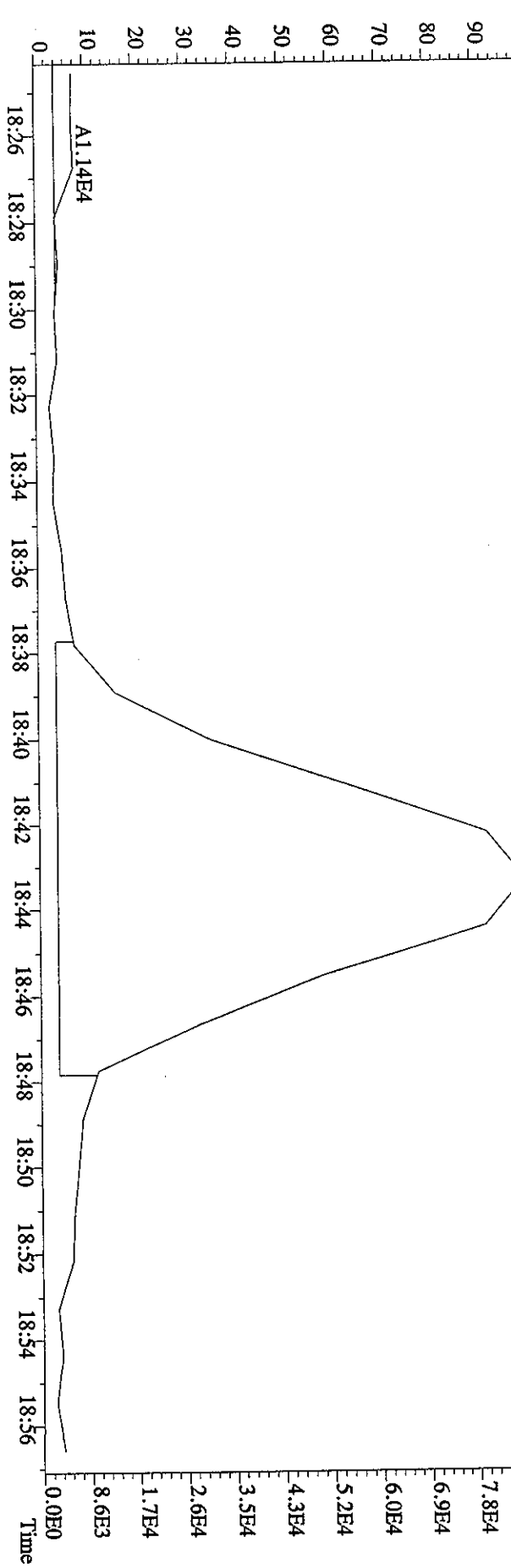
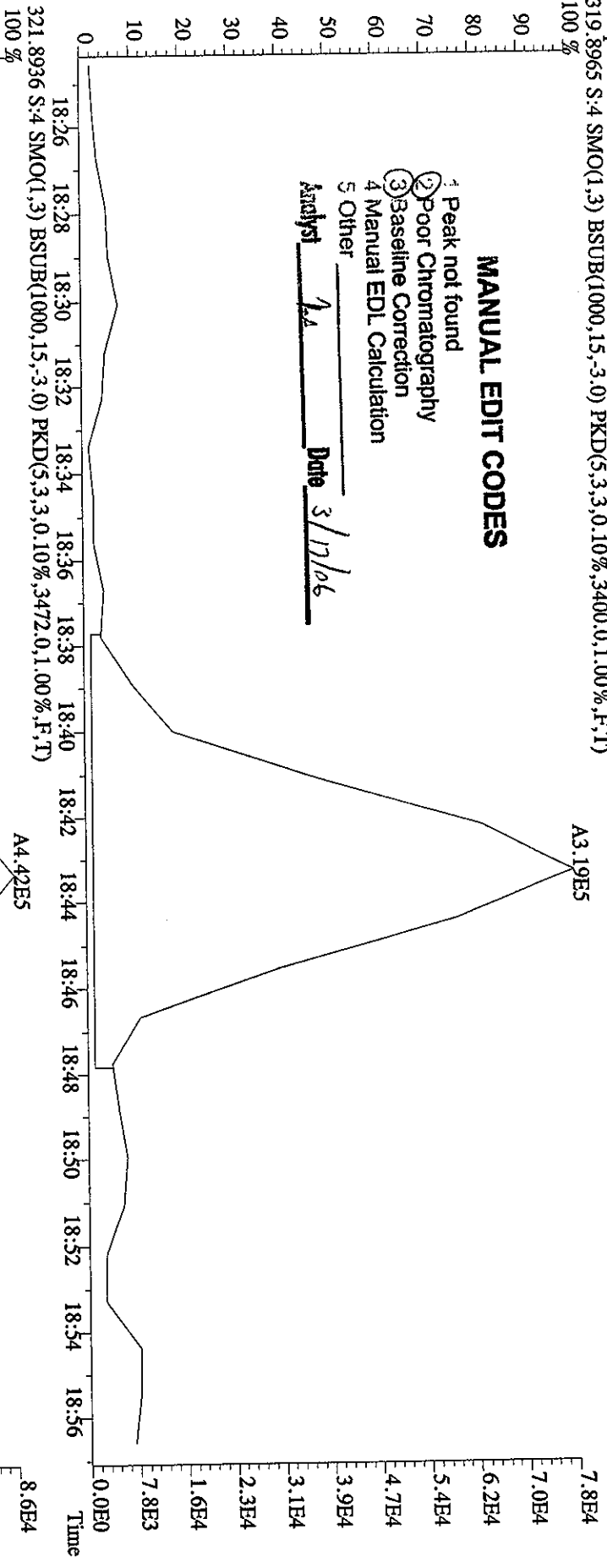
File:17MR061D5 #1-393 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565-41A Exp:DIOXIN
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3472,0,1.00%,F,T)
 100 %



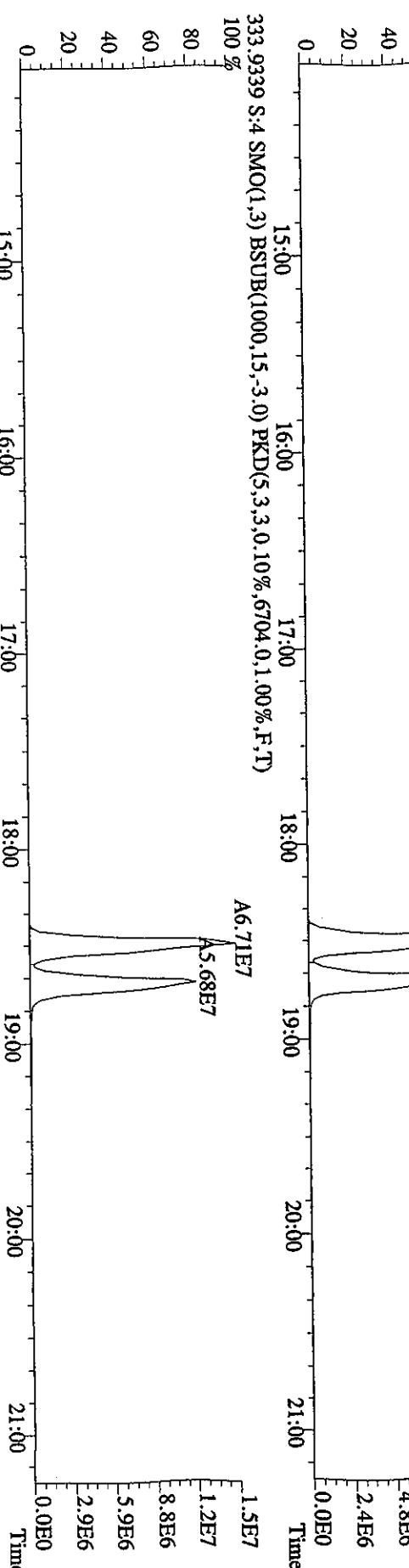
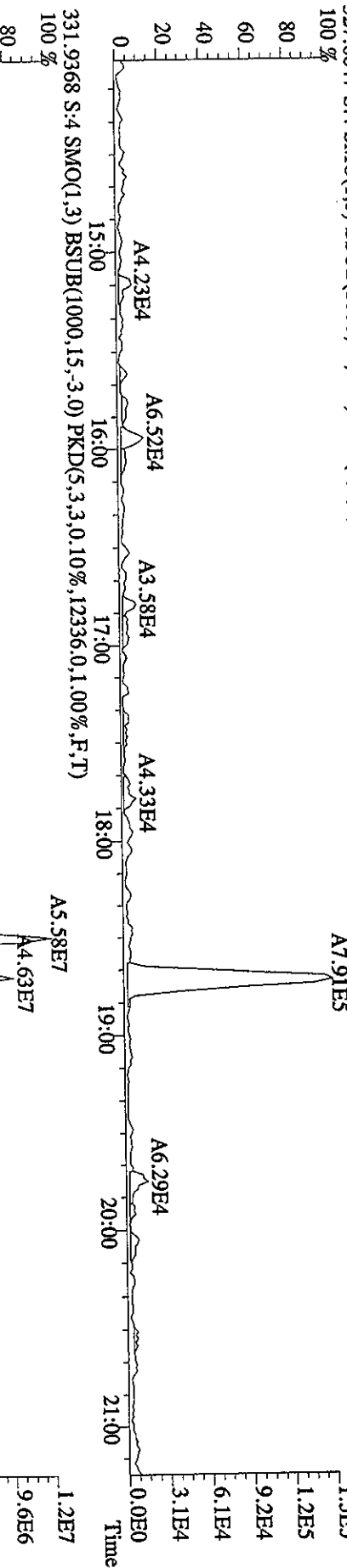
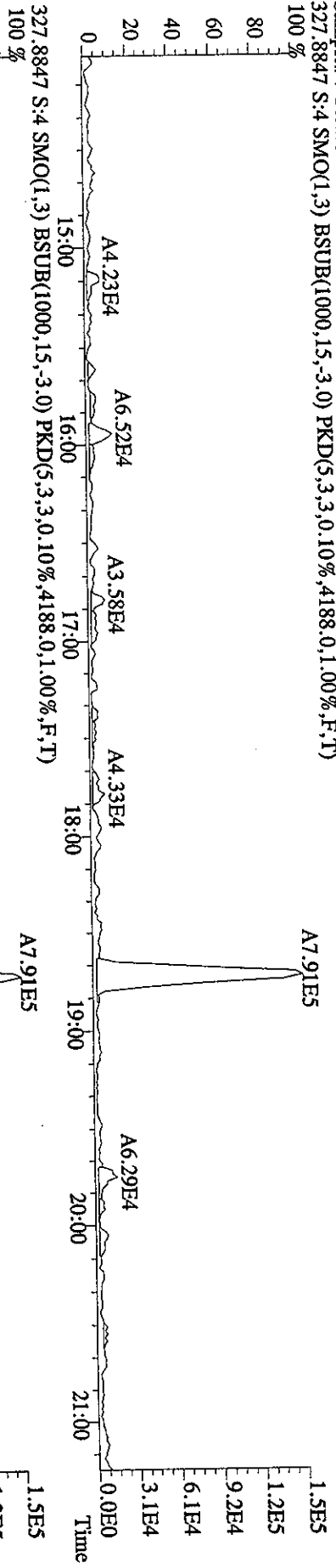
File:17MR061D5 #1-393 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565-41A Exp:DIOXIN
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3400,0,1,00%,F,T)

MANUAL EDIT CODES

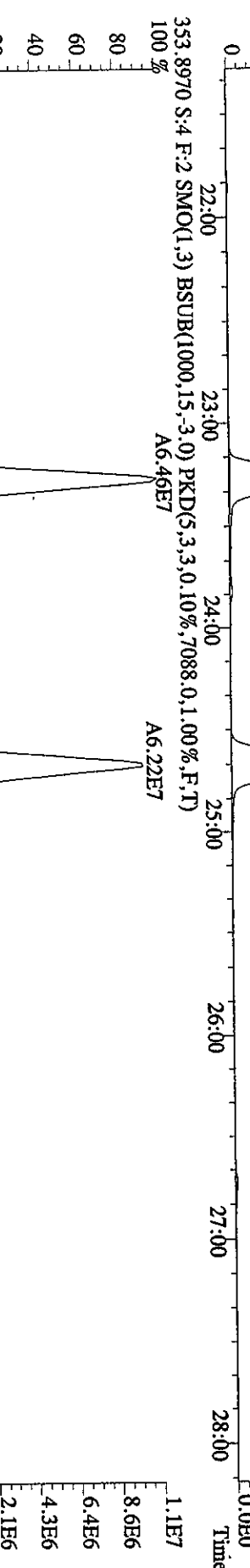
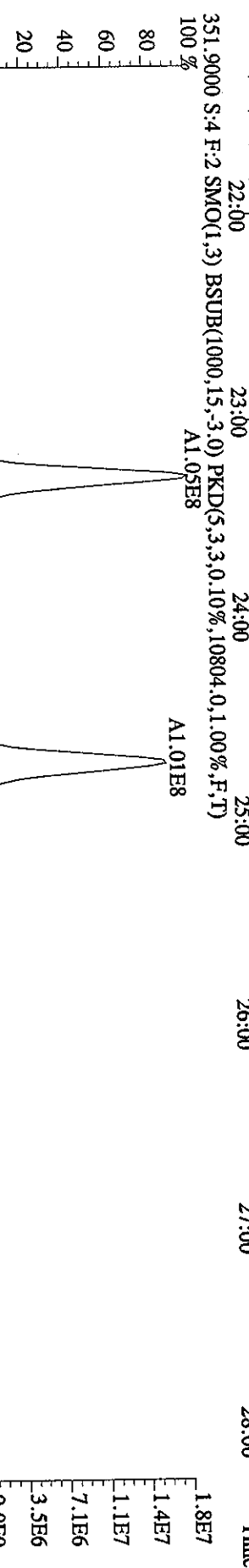
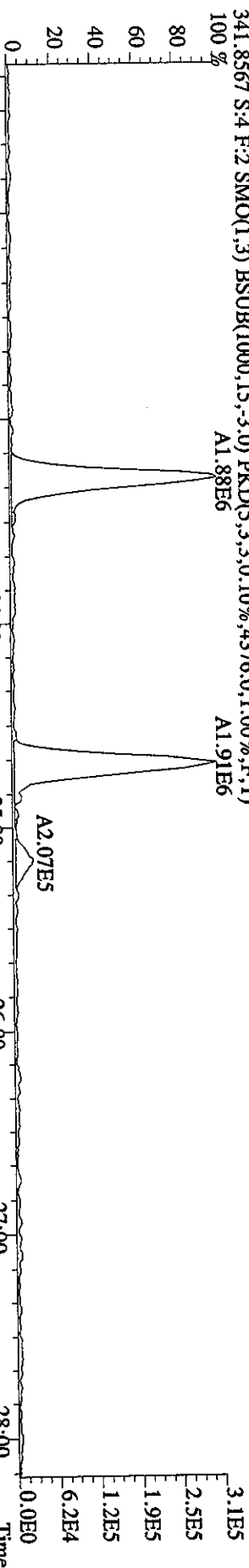
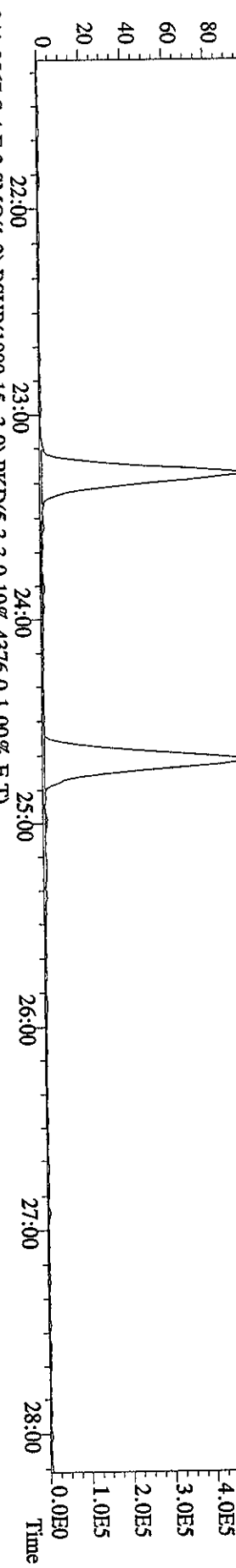
- 1 Peak not found
 - 2 Poor Chromatography
 - 3 Baseline Correction
 - 4 Manual EDL Calculation
 - 5 Other
- Analyst Date 3/17/06



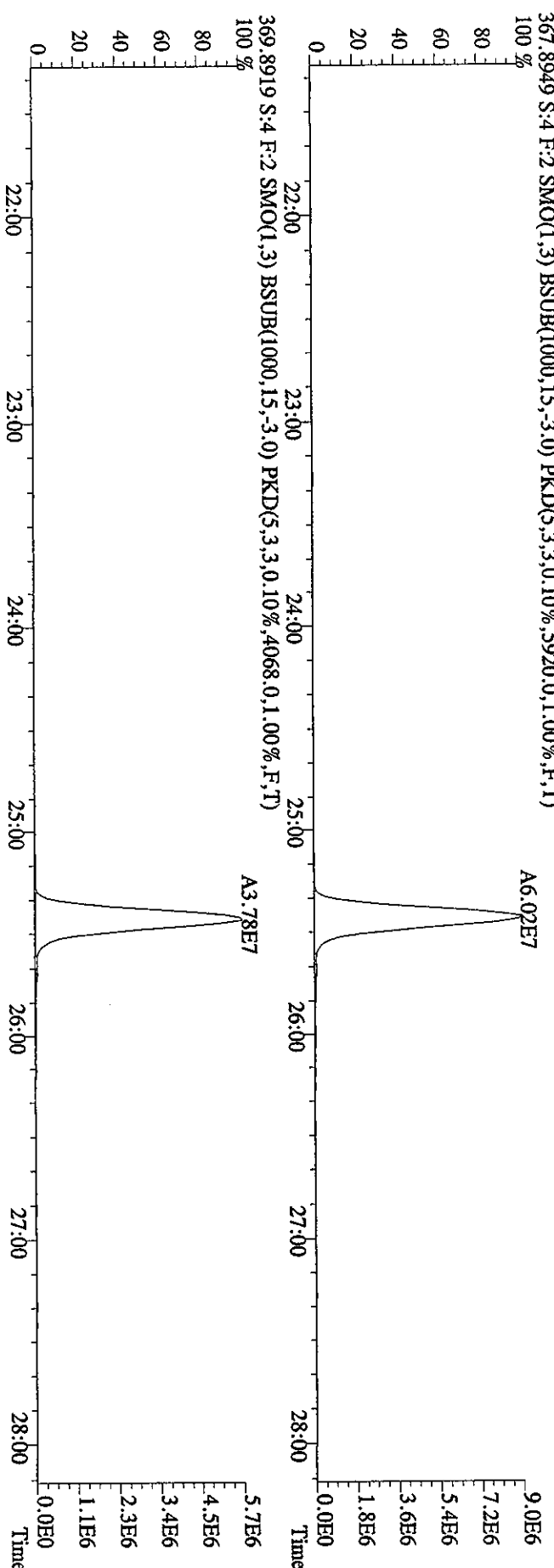
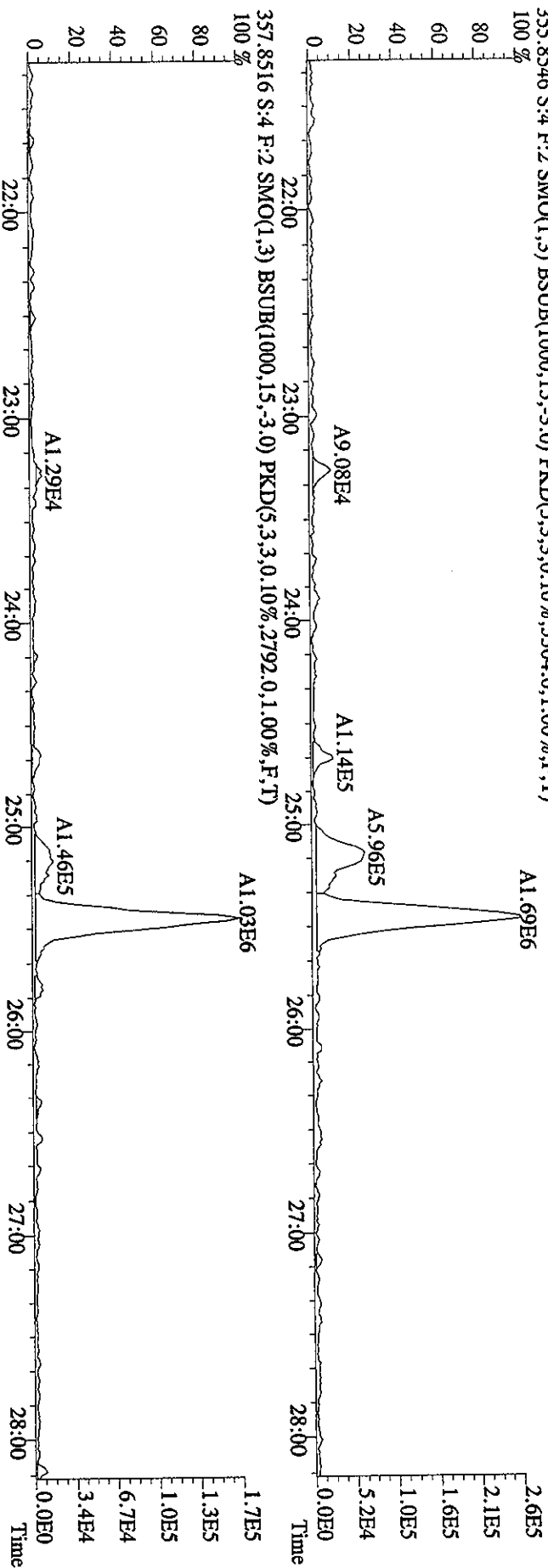
File:17MR061D5 #1-393 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565-41A Exp:DIOXIN
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4188,0,1.00%,F,T)



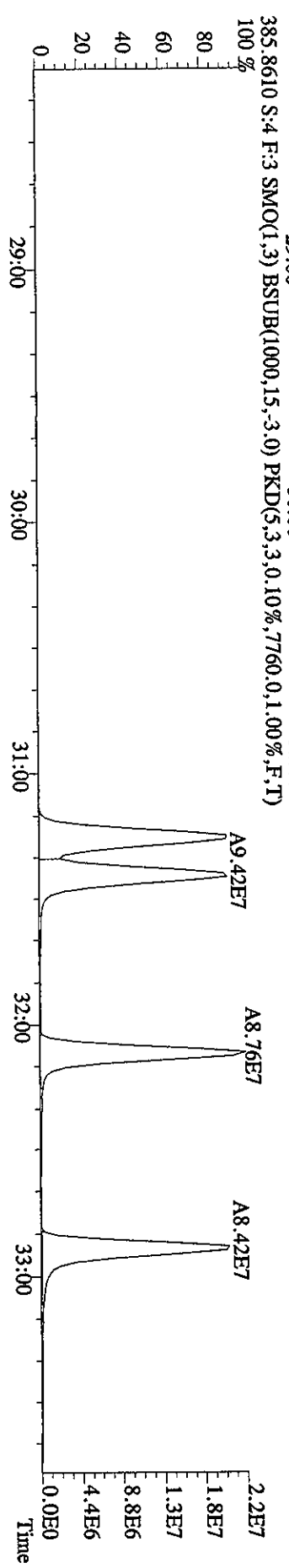
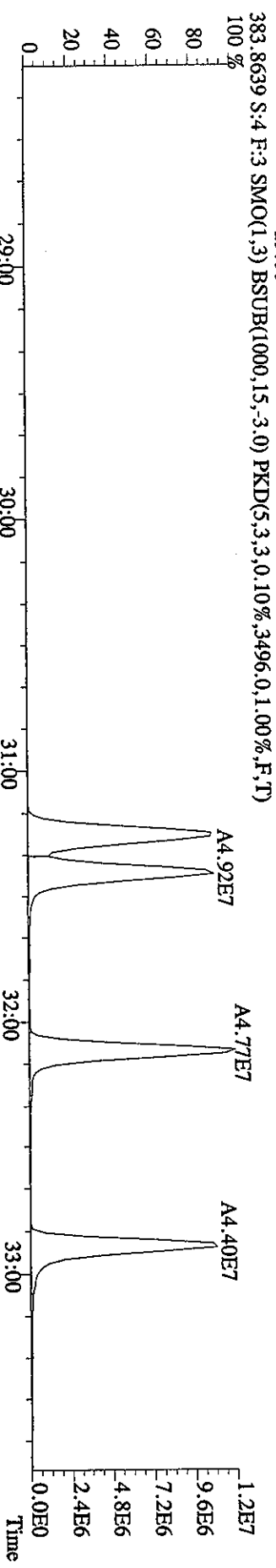
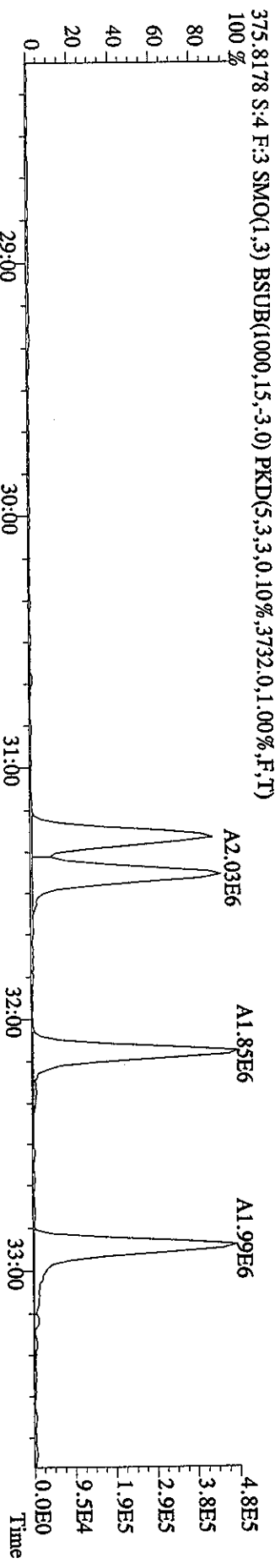
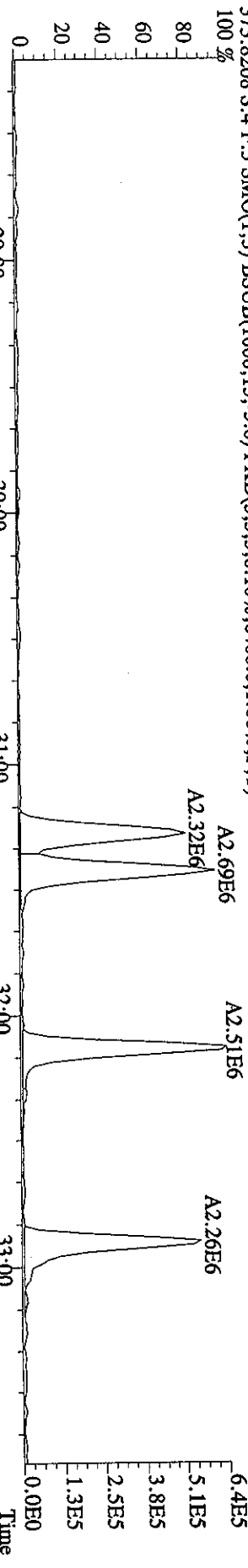
File:17MR061D5 #1-487 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565-41A Exp:DIOXIN
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2820,0,1,00%,F,T)
 100% A2.75E6 A2.91E6



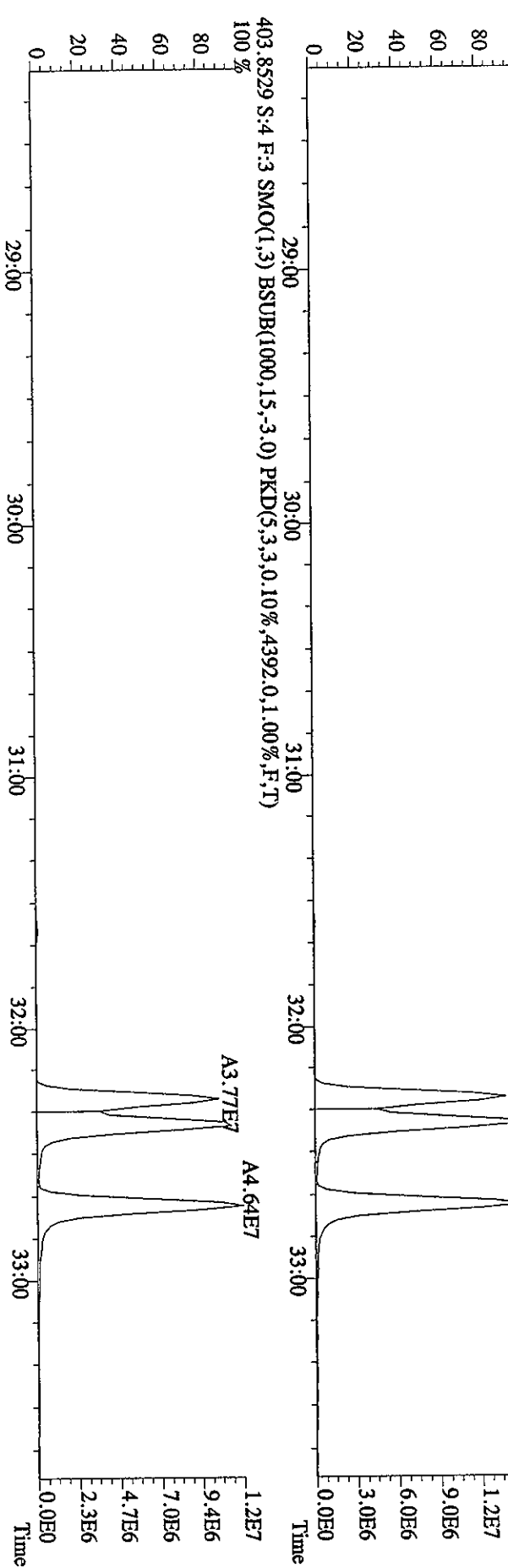
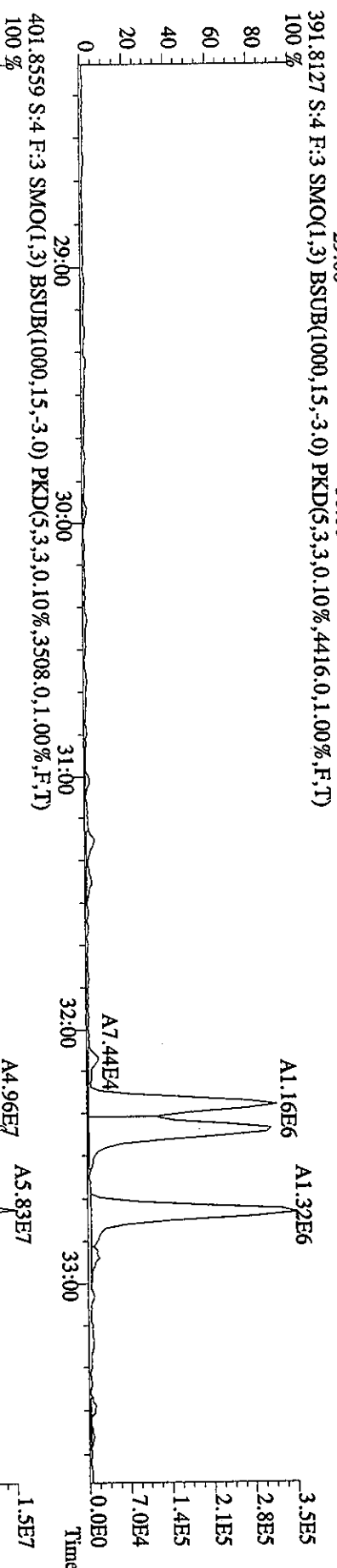
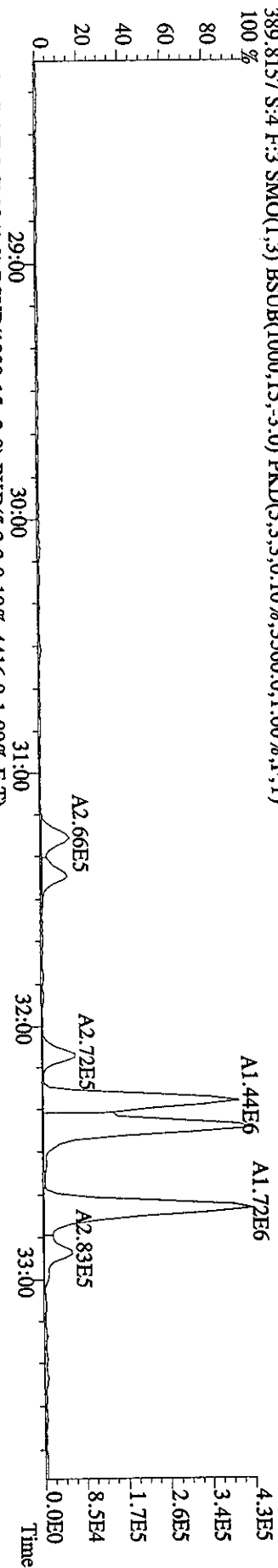
File:17MR061D5 #1-487 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0317B :CSI 2565-41A Exp:DIOXIN
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5304.0,1.00%,F,T)



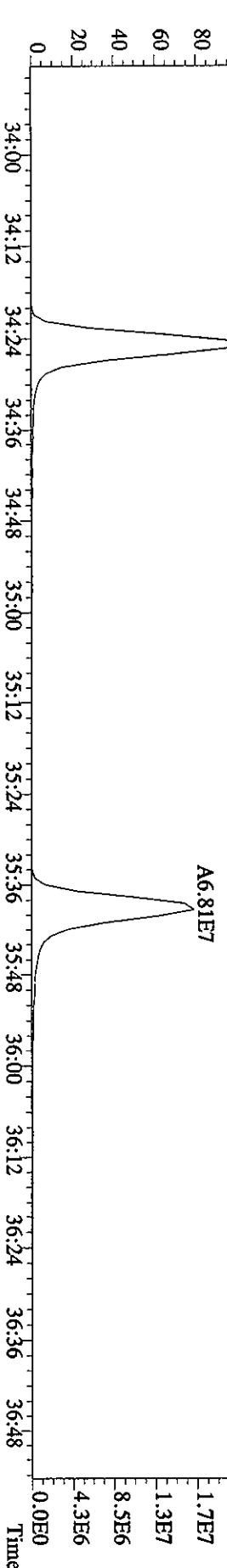
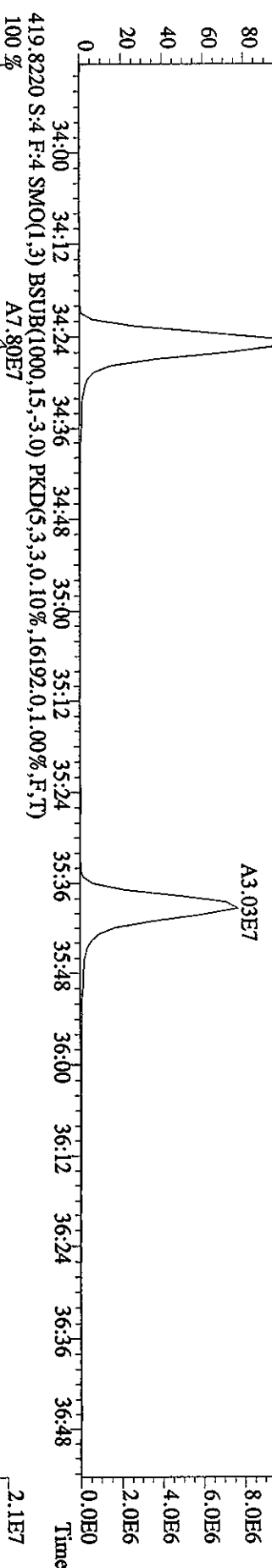
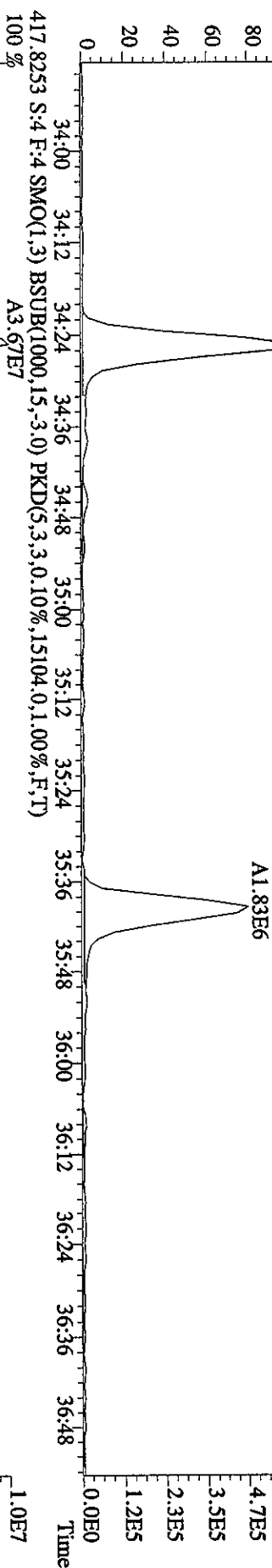
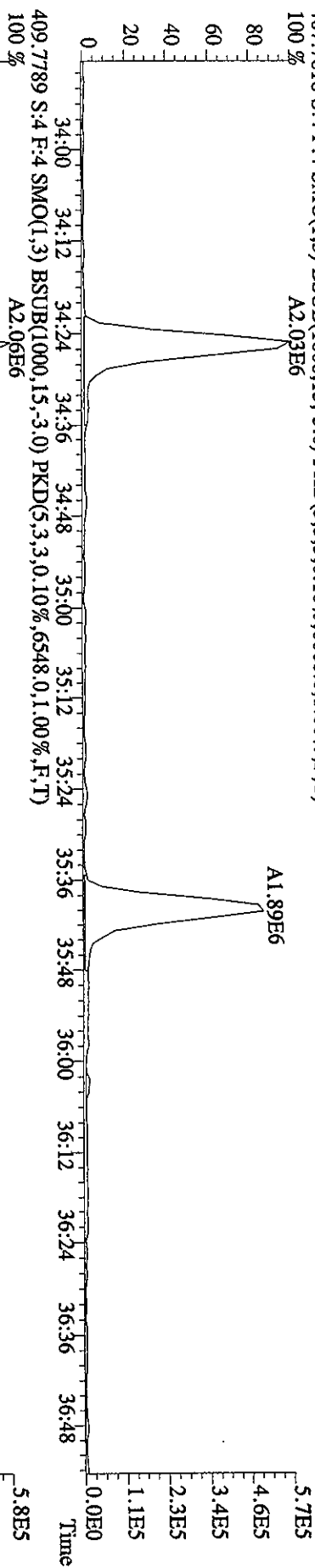
File: 17MR061D5 #1-375 Acq: 17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0317B :CSI 2565-41A Exp: DIOXIN
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6408,0,1,00%,F,T)



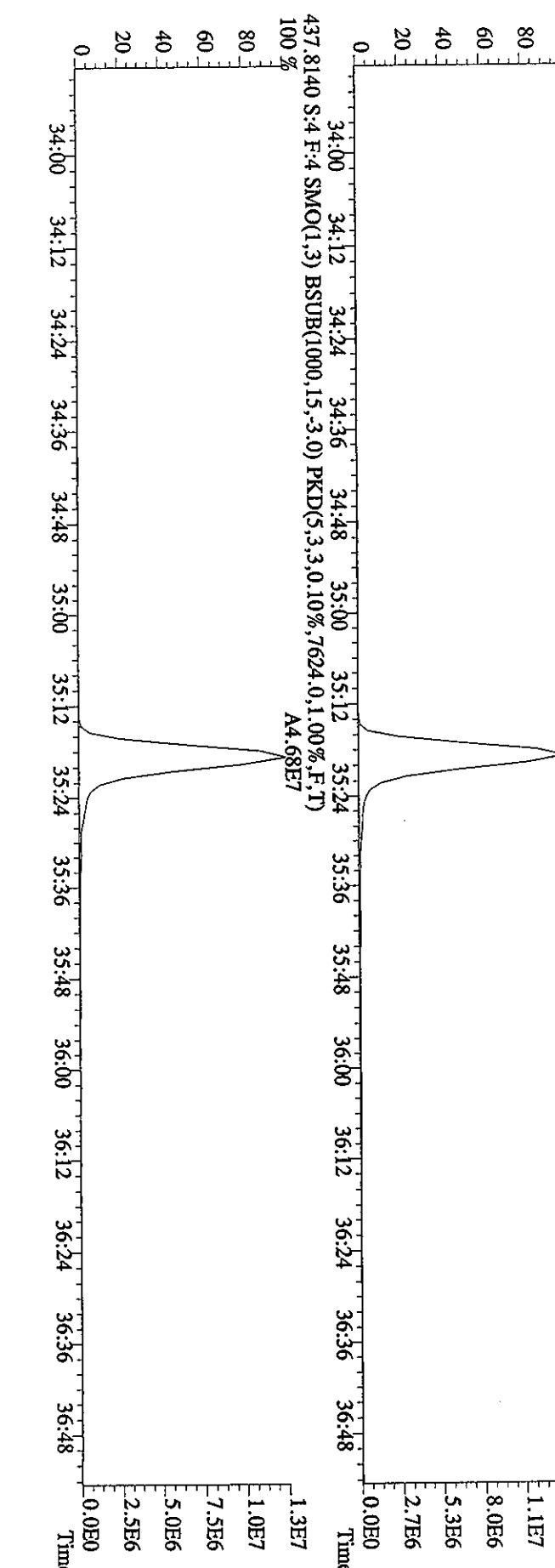
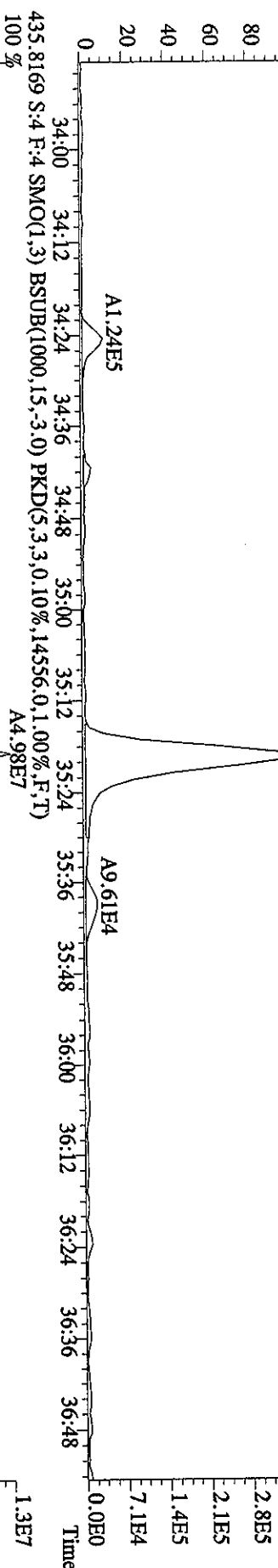
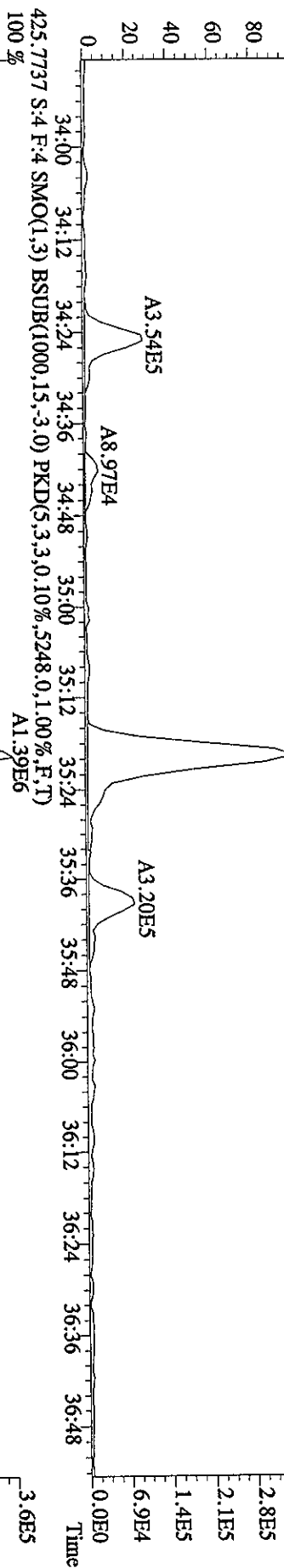
File:17MR061D5 #1-375 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565 41A Exp:DIOXIN
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3560.0,1.00%,F,T)



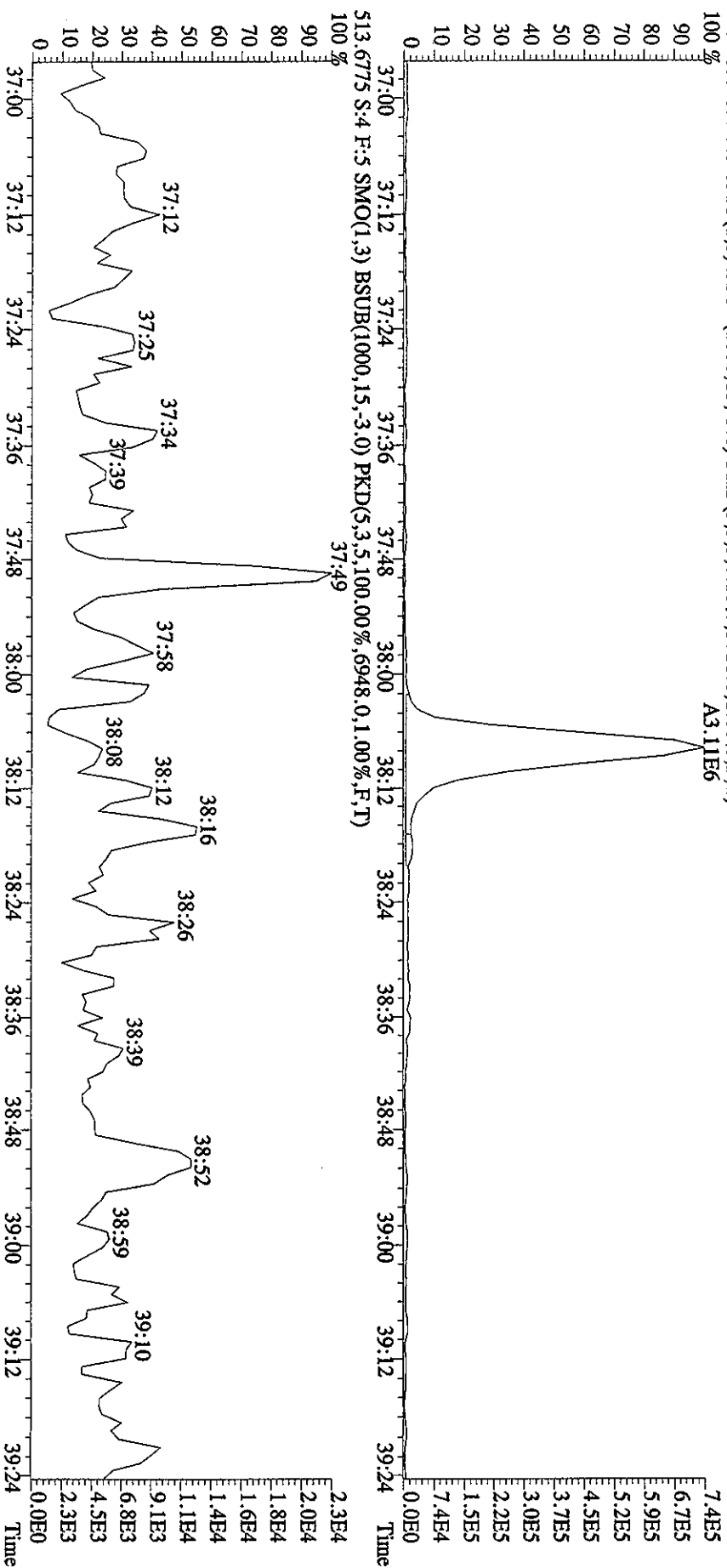
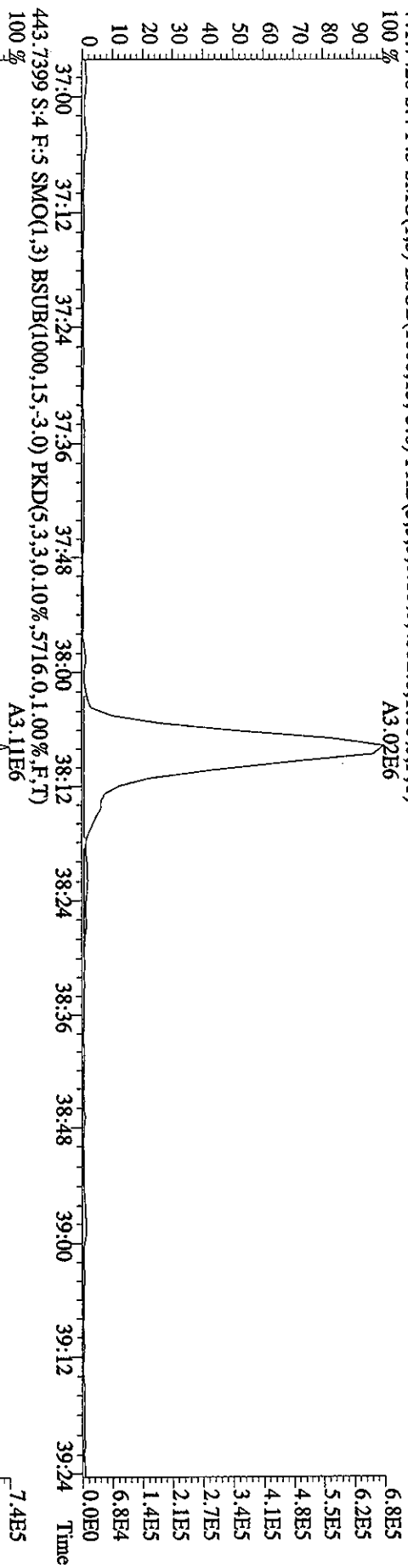
File: 17MR061D5 #1-219 Acq: 17-MAR-2006 11:12:42 GC: EI + Voltage SIR 70SE
 Sample#4 Text: ST0317B :CS1 2565-41A Exp: DIOXIN
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6860,0,1,00%,F,T)
 100% A2.03E6

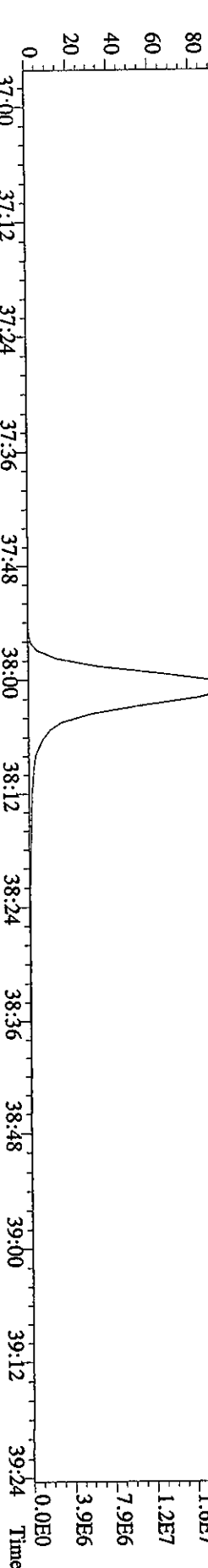
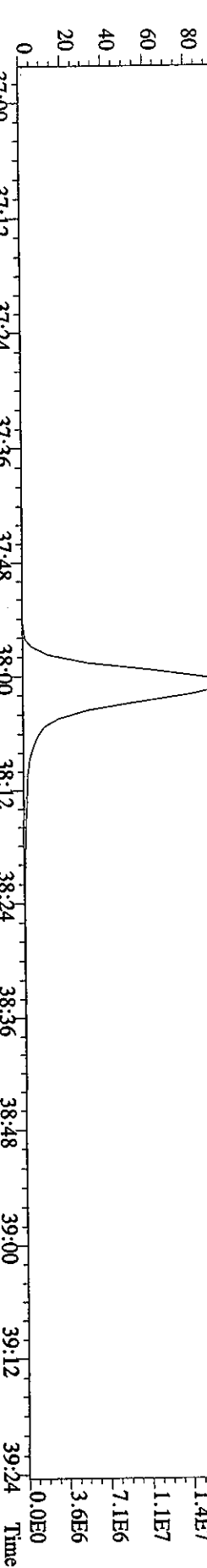
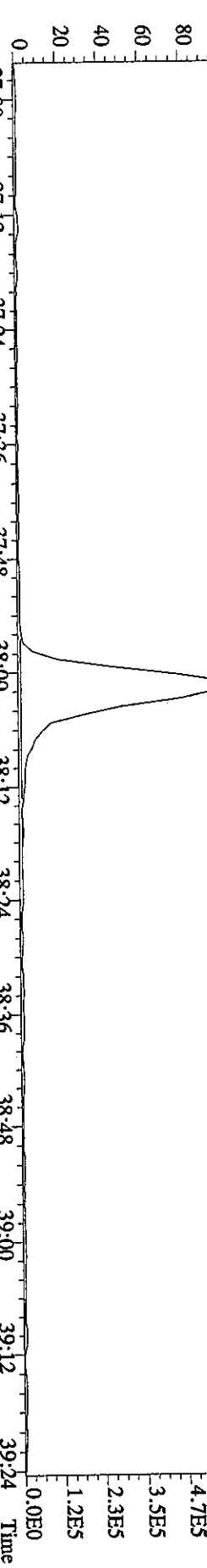
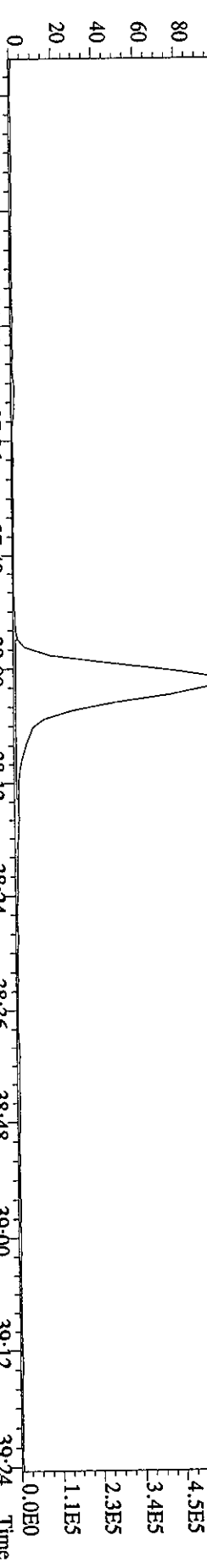


File:17MR061D5 #1-219 Acq:17-MAR-2006 11:12:42 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565 41A Exp.:DIOXIN
 423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5160,0,1.00%,F,T)
 100 %

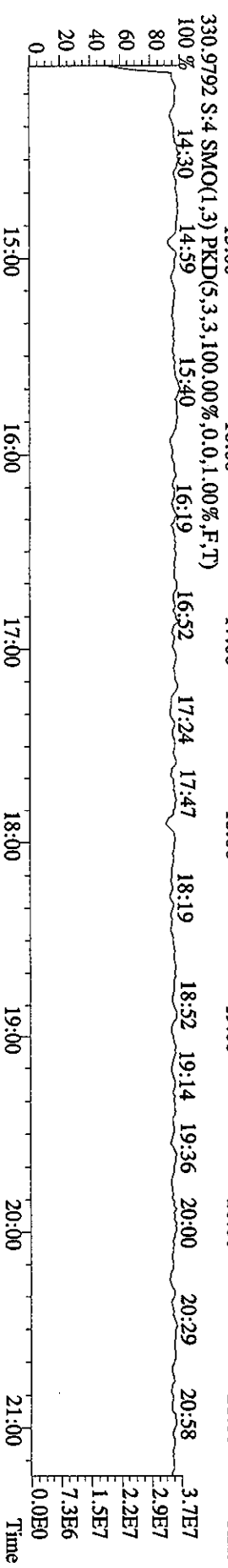
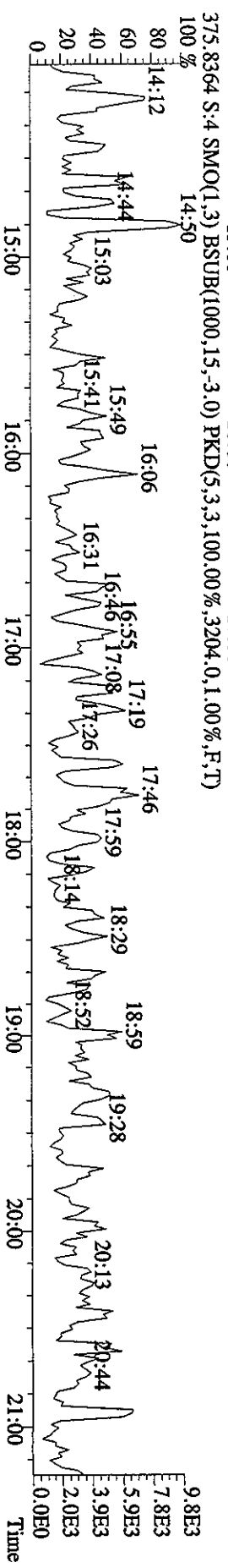
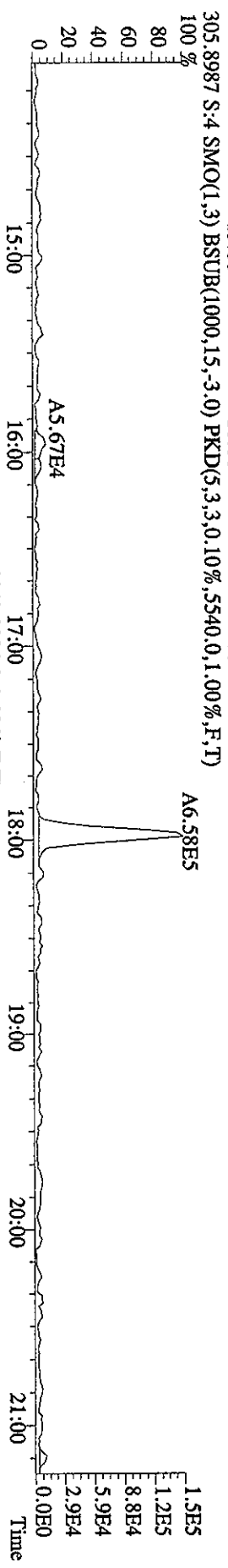
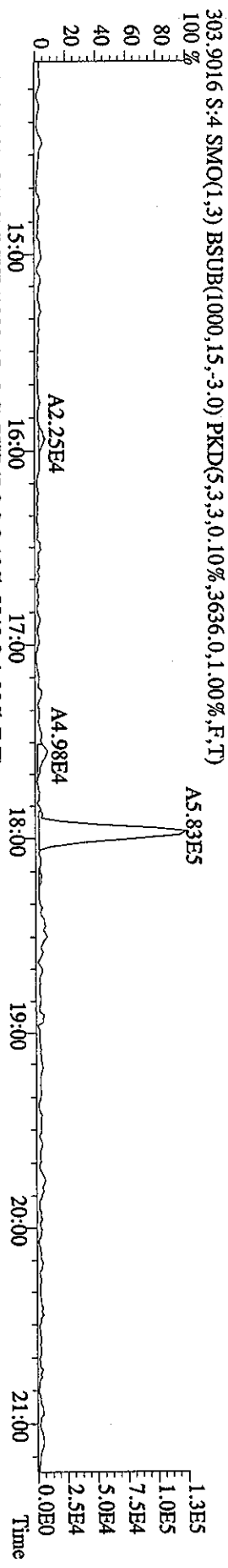
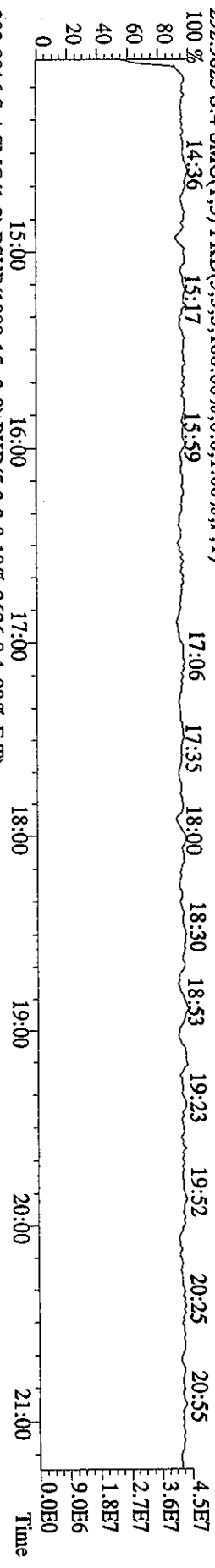


File: 17MR061D5 #1-179 Acq: 17-MAR-2006 11:12:42 GC: EI+ Voltage: SIR 70SE
 Sample#4 Text: ST0317B : CSI 2565-41A Exp: DIOXIN
 441.7428 S:4 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4352.0,1.00%,F,T)
 A3.02E6





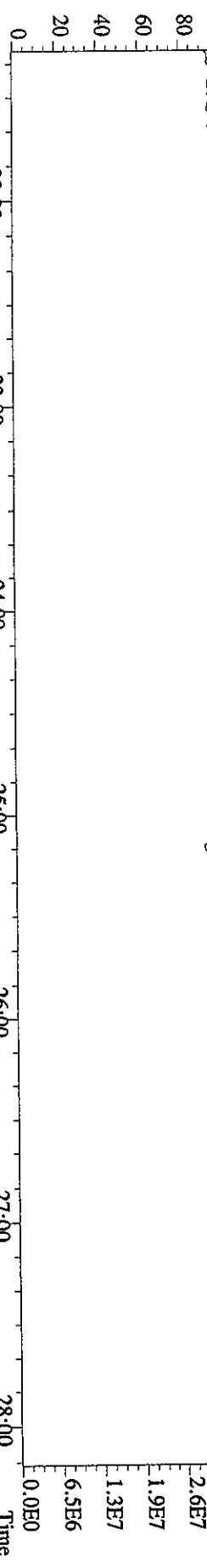
File:17MR061D5 #1-393 Acq:17-MAR-2006 11:12:42 GC EI + Voltage SIR 70SE
 Sample#4 Text:ST0317B :CSI 2565-41A Exp.:DIOXIN
 292.9825 S:4 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)
 14:36 15:17 15:59 17:06 17:35 18:00 18:30 18:53 19:23 19:52 20:25 20:55



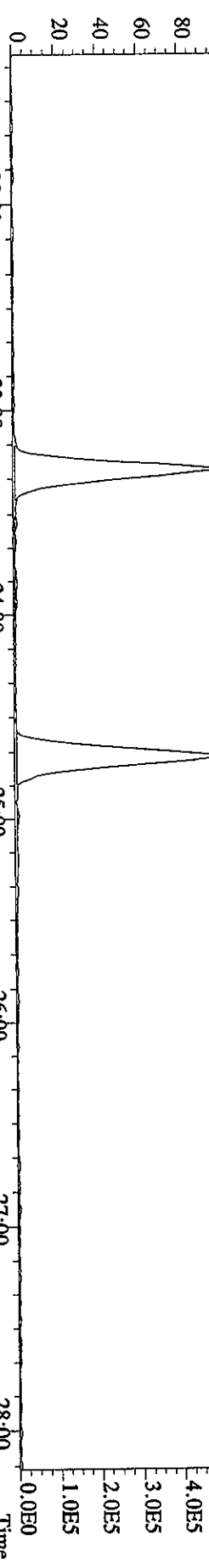
Sample#4 Text:ST0317B :CSI 2565-41A Exp:DIOXIN

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

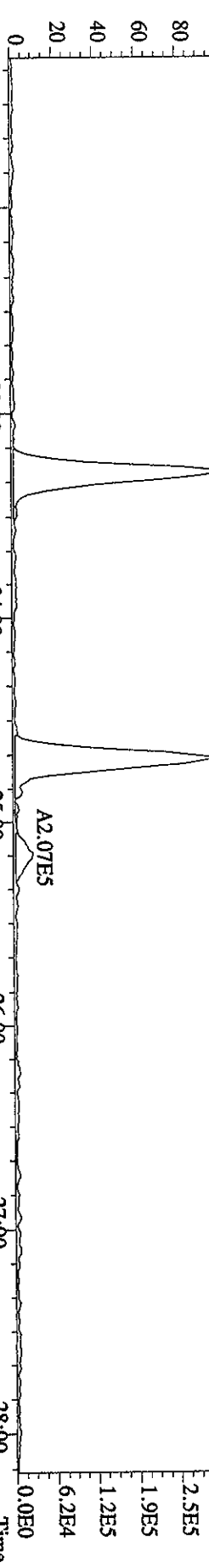
100% 21:30 21:52 22:14 22:46 23:08 23:30 24:05 24:33 24:58 25:25 25:48 26:31 27:01 27:27 27:50



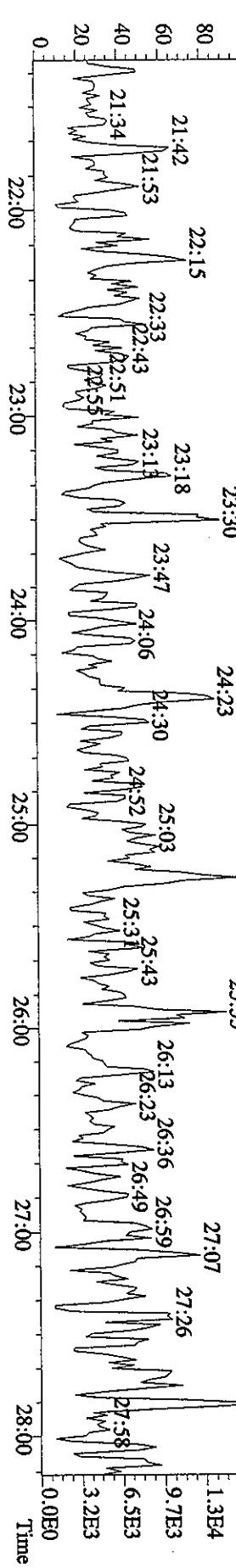
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2820,0,1.00%,F,T)

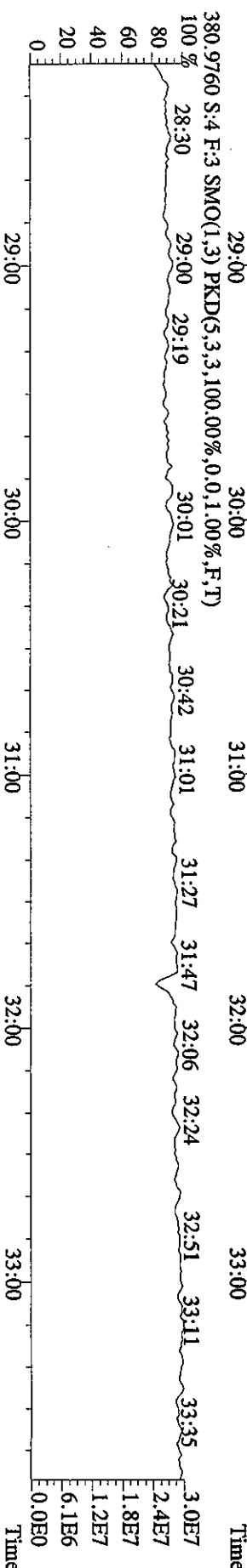
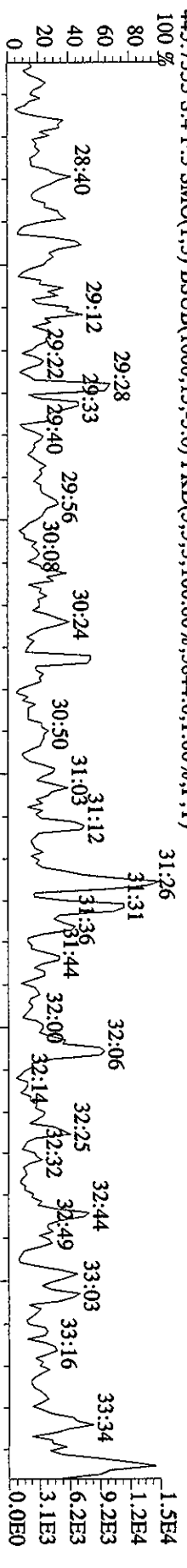
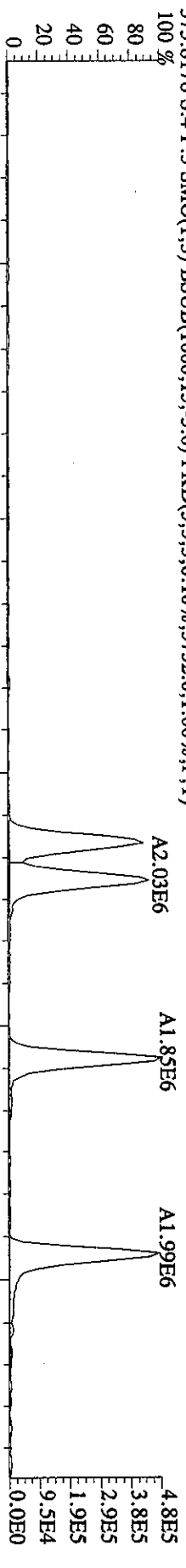
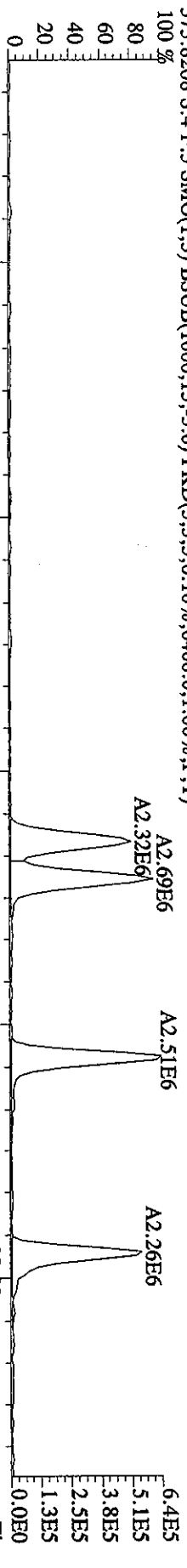
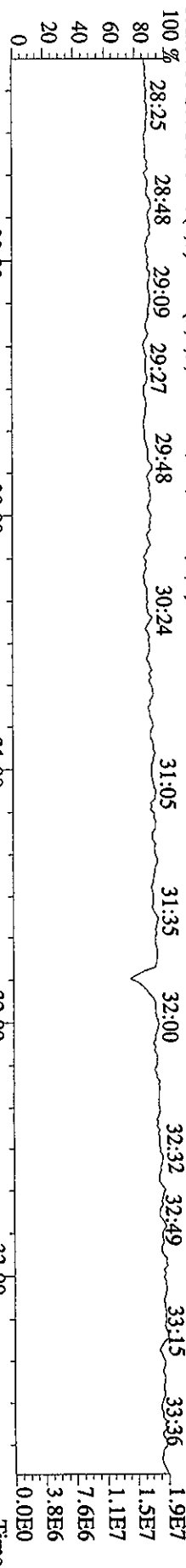


341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4376,0,1.00%,F,T)



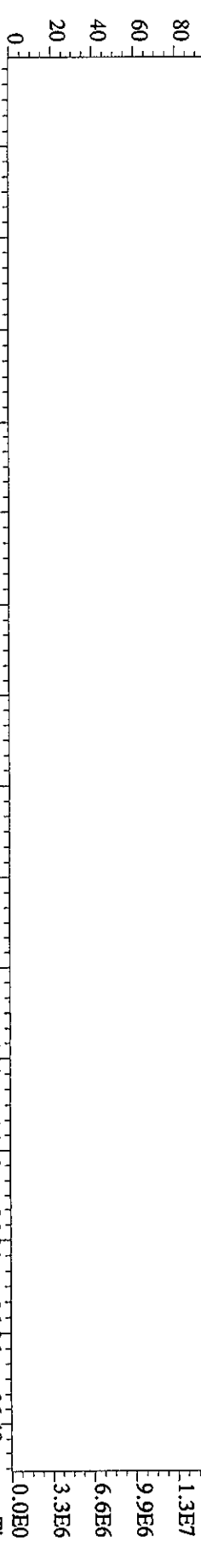
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,6764,0,1.00%,F,T)



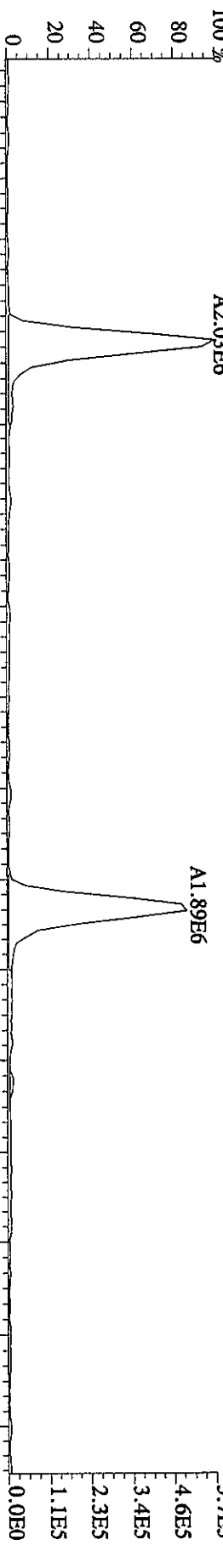


Sample#4 Text: ST0317B :CSI 2565-41A Exp: DIOXIN

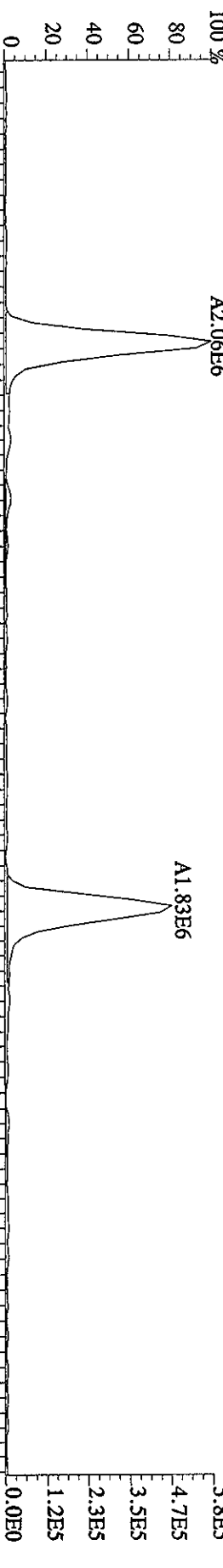
430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



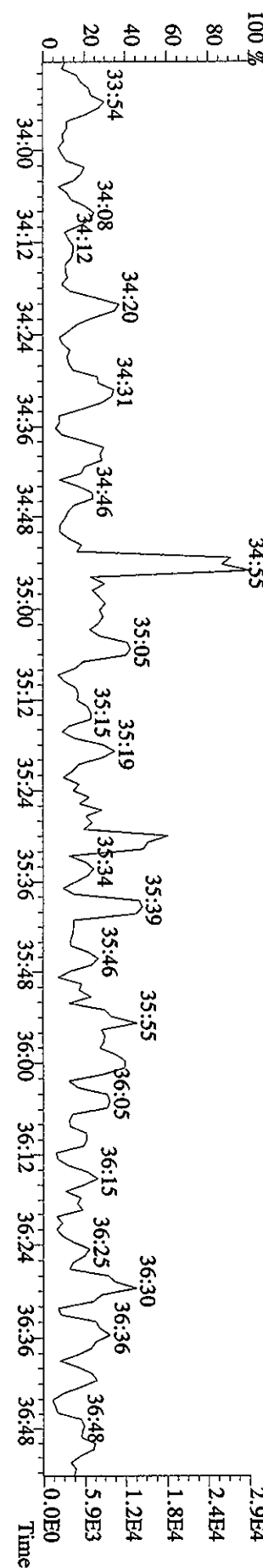
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6860.0,1.00%,F,T)



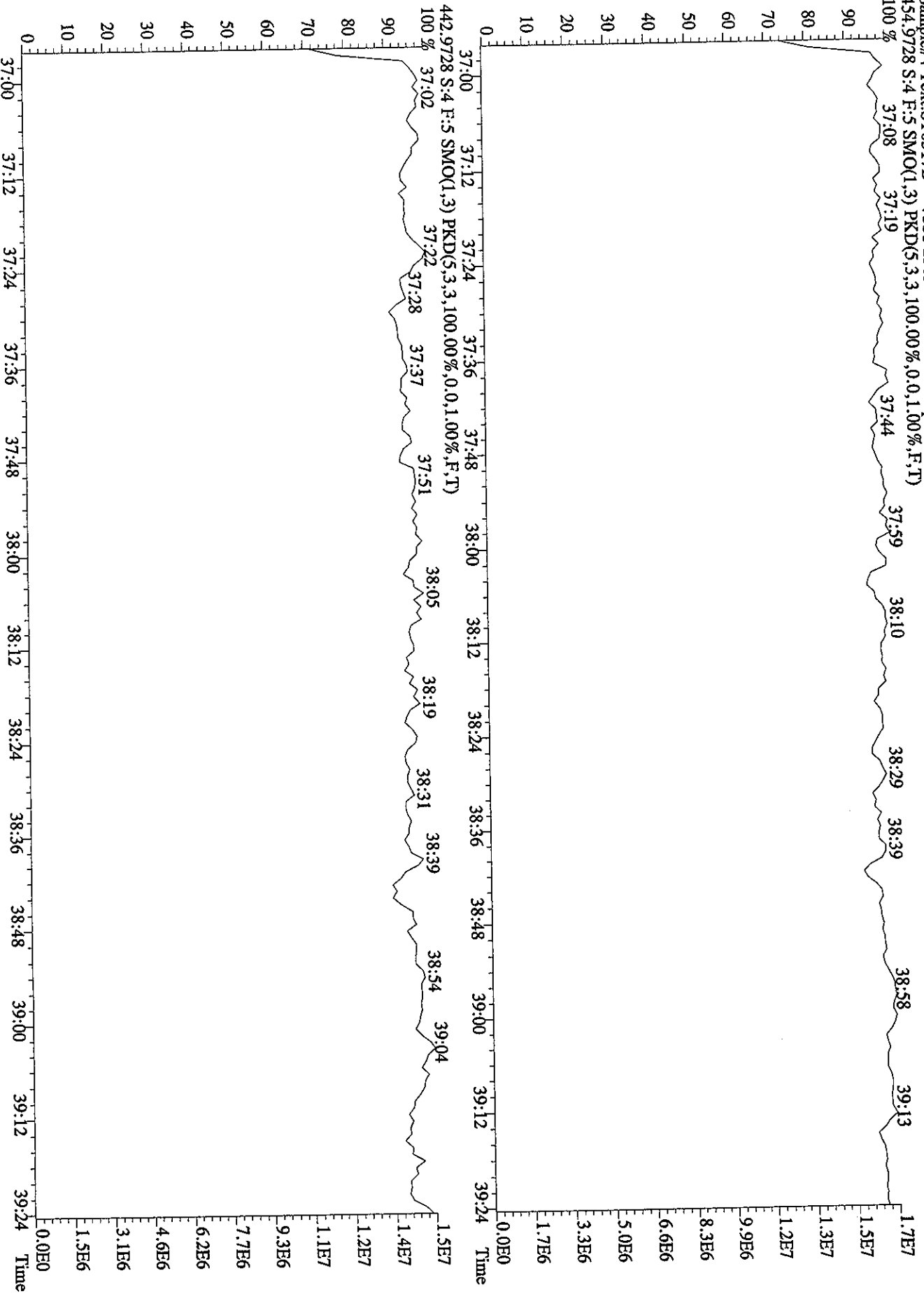
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6548.0,1.00%,F,T)



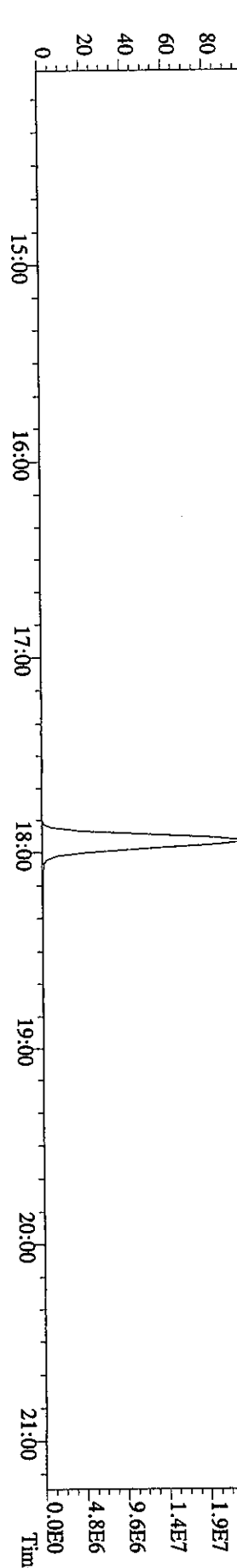
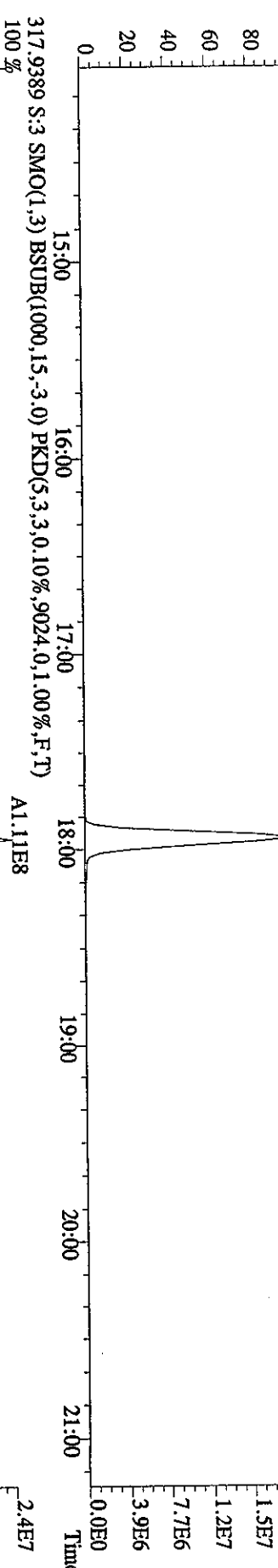
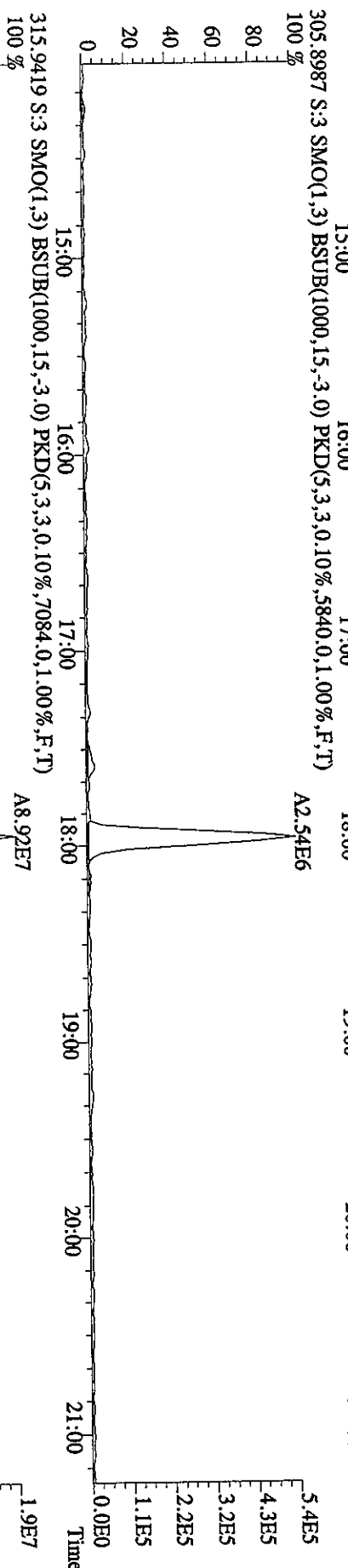
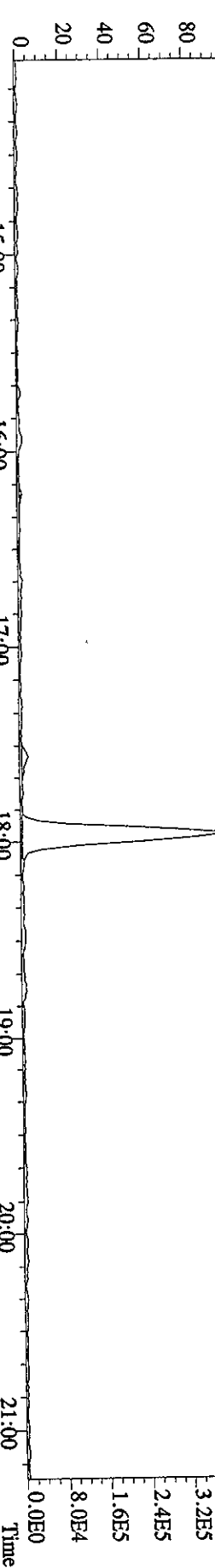
479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,6368.0,1.00%,F,T)



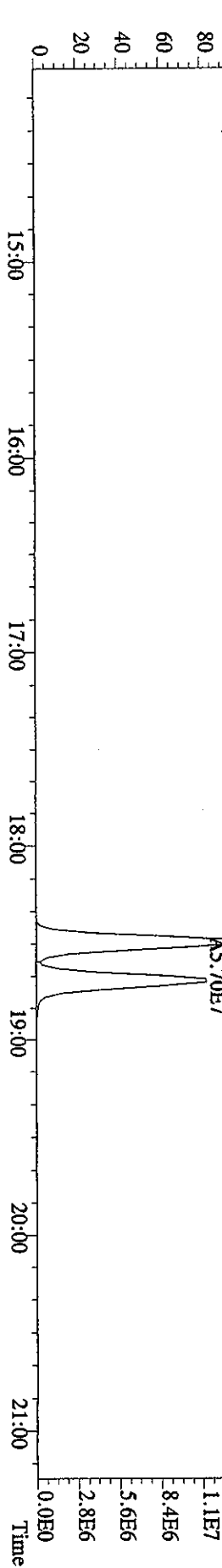
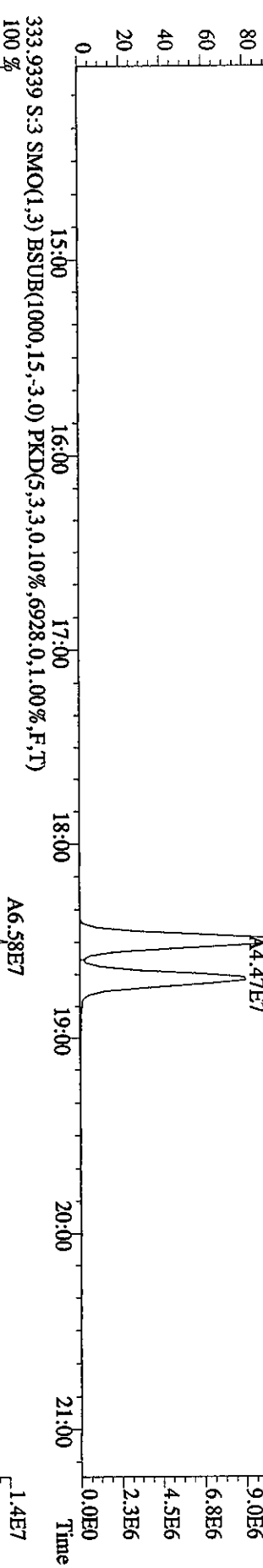
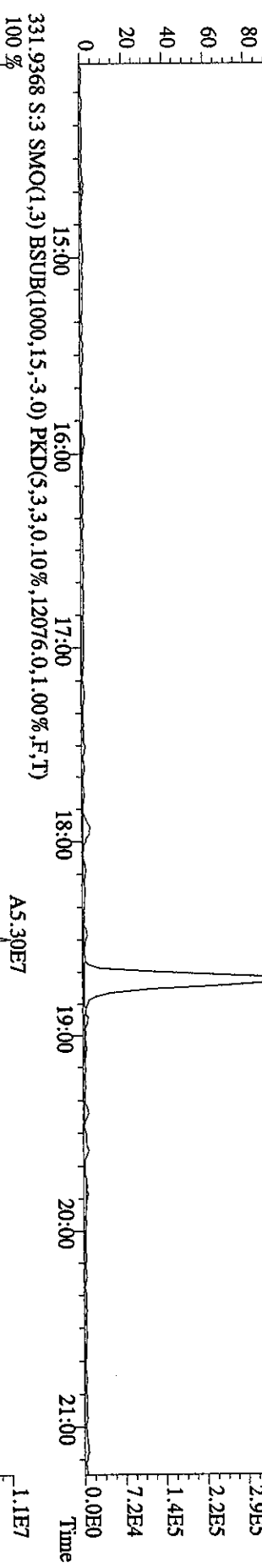
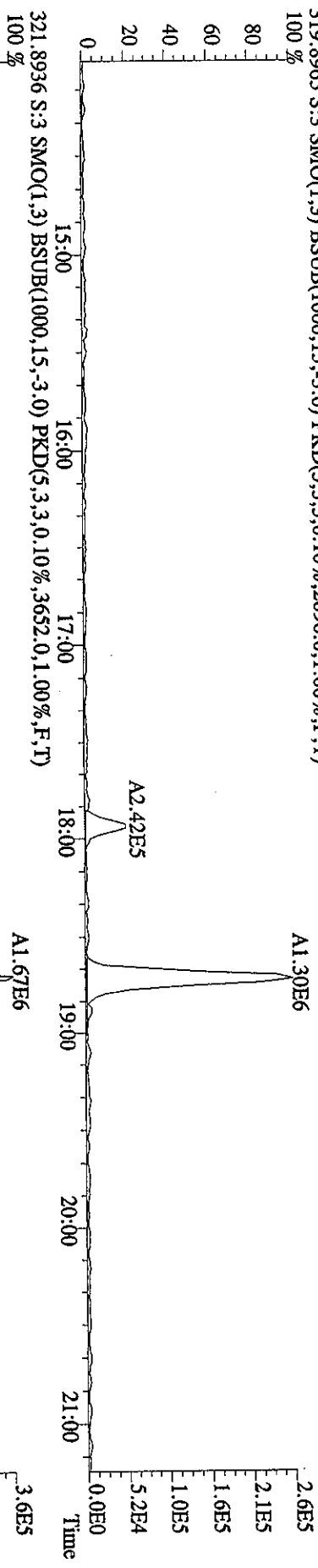
File: 17MR061D5 #1-179 Acq: 17-MAR-2006 11:12:42 GC EI + Voltage SIR 70SE
 Sample#4 Text: S10317B : CS1 2565-41A Exp: DIOXIN
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %



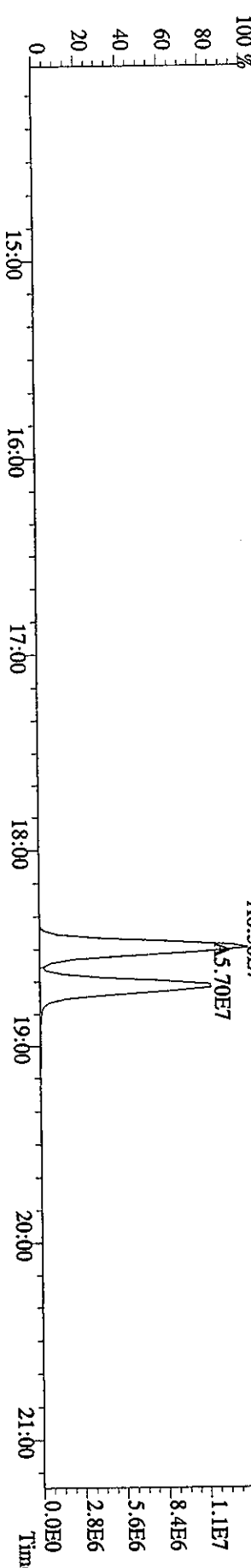
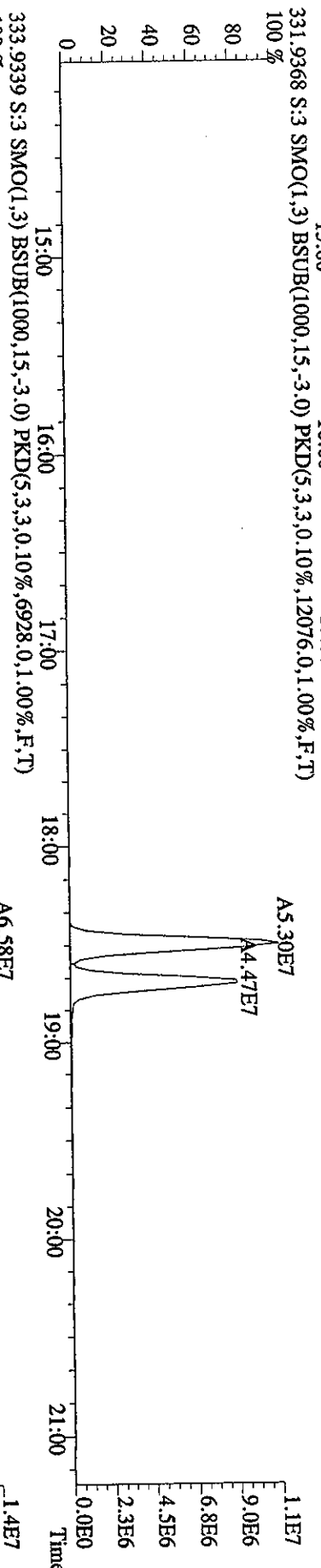
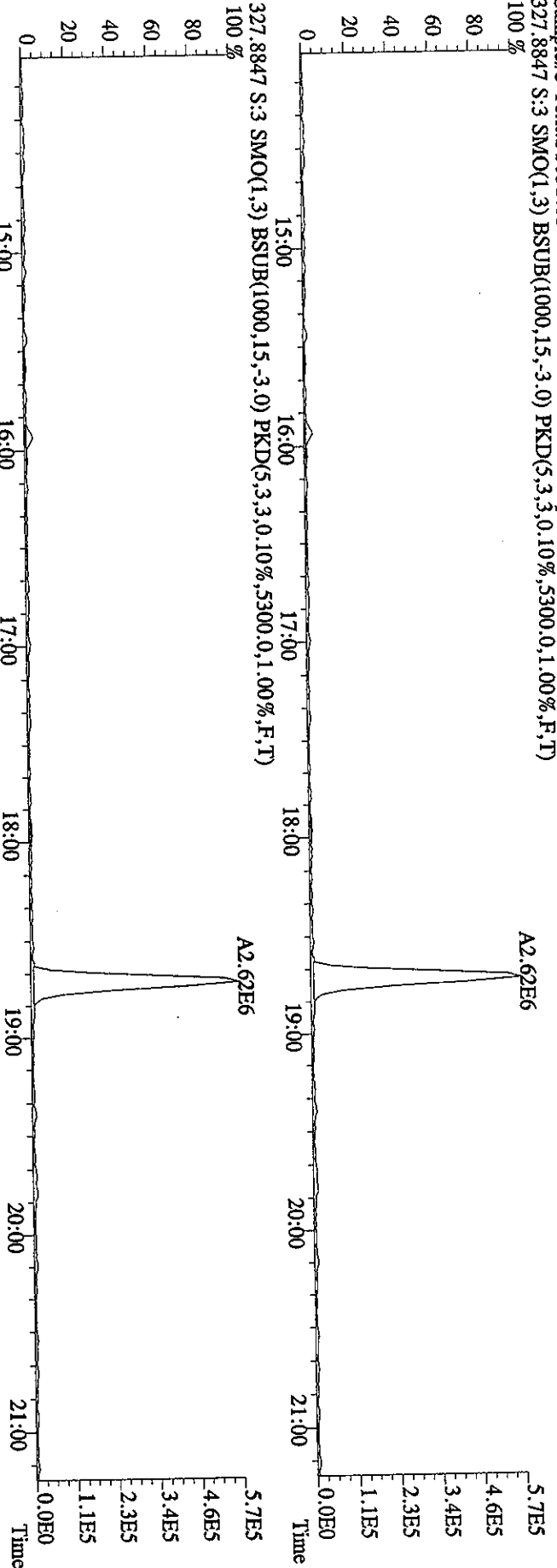
File:17MR061ID5 #1-393 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0317A :CS2 2565-41B Exp:DIOXIN
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4156.0,1.00%,F,T)
 100 %



File:17MAR061D5 #1-393 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0317A :CS2 2565-41B Exp:DIOXIN
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)



File: 17MR061D5 #1-393 Acq: 17-MAR-2006 10:31:02 GC EI + Voltage SIR 70SE
 Sample#3 Text: ST0317A :CS2 2565-41B Exp: DIOXIN
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5300,0,1,00%,F,T)
 100%

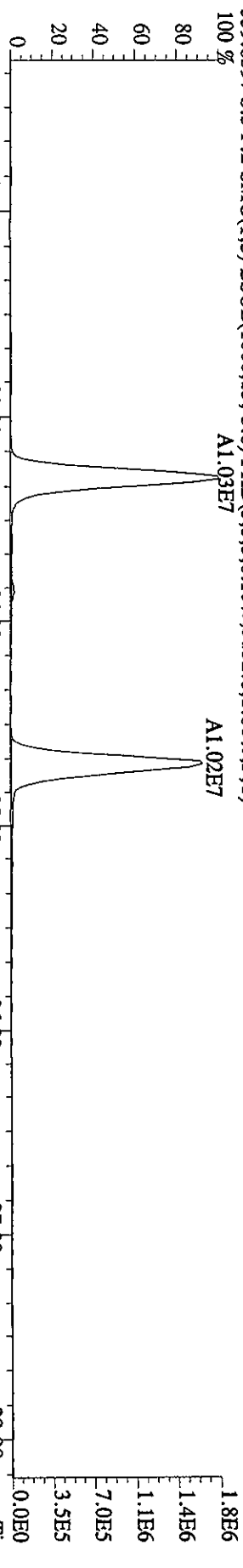


File:17MR061D5 #1-487 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE

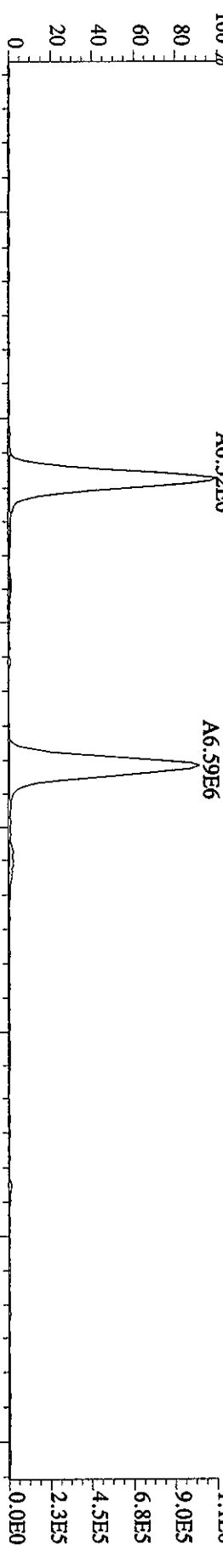
Sample#3 Text:ST0317A :CS2 2565-41B

Exp:DIOXIN

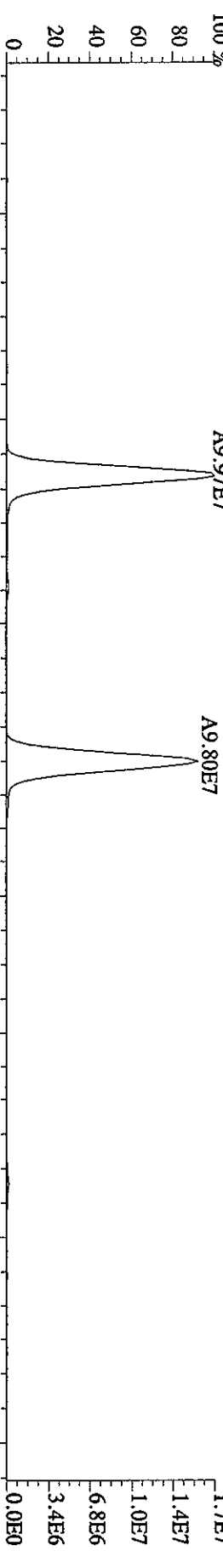
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3152,0,1,00%,F,T)



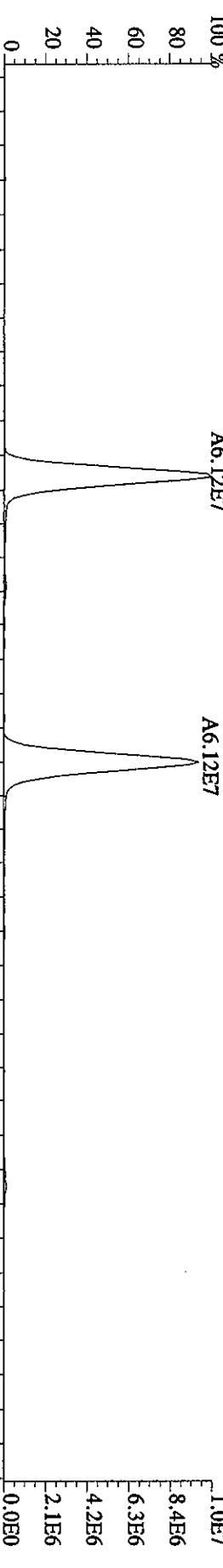
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4856,0,1,00%,F,T)



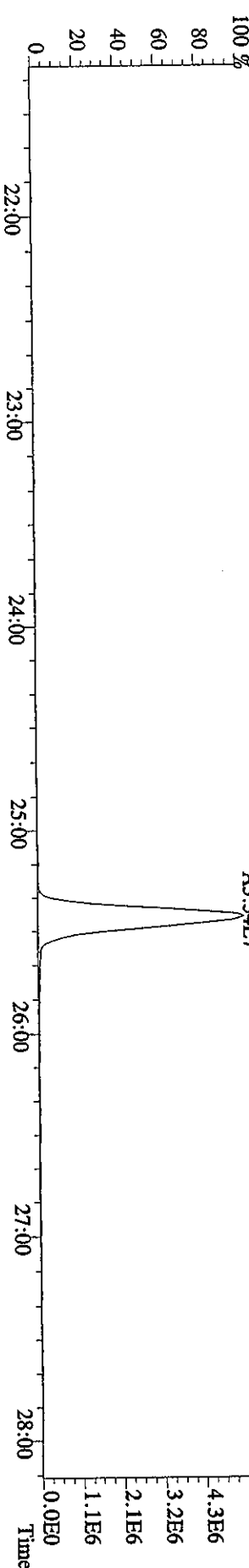
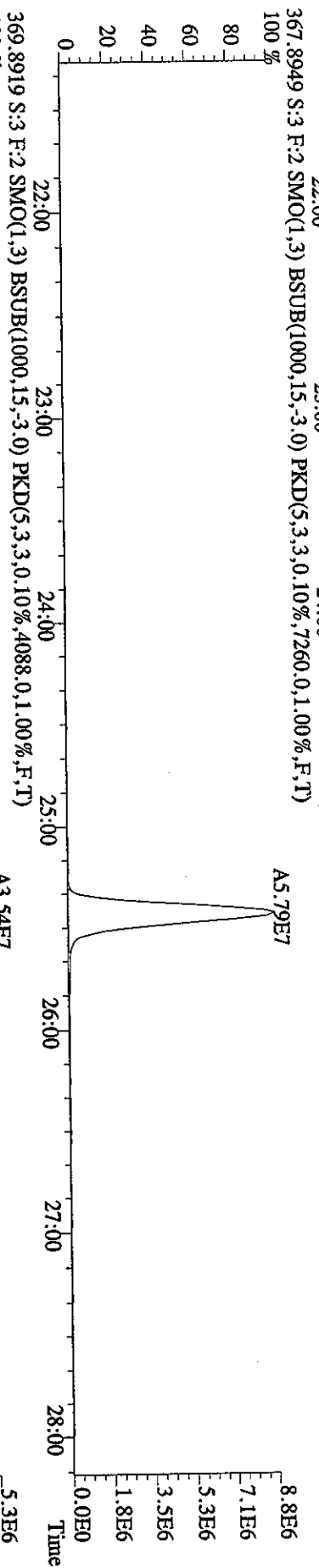
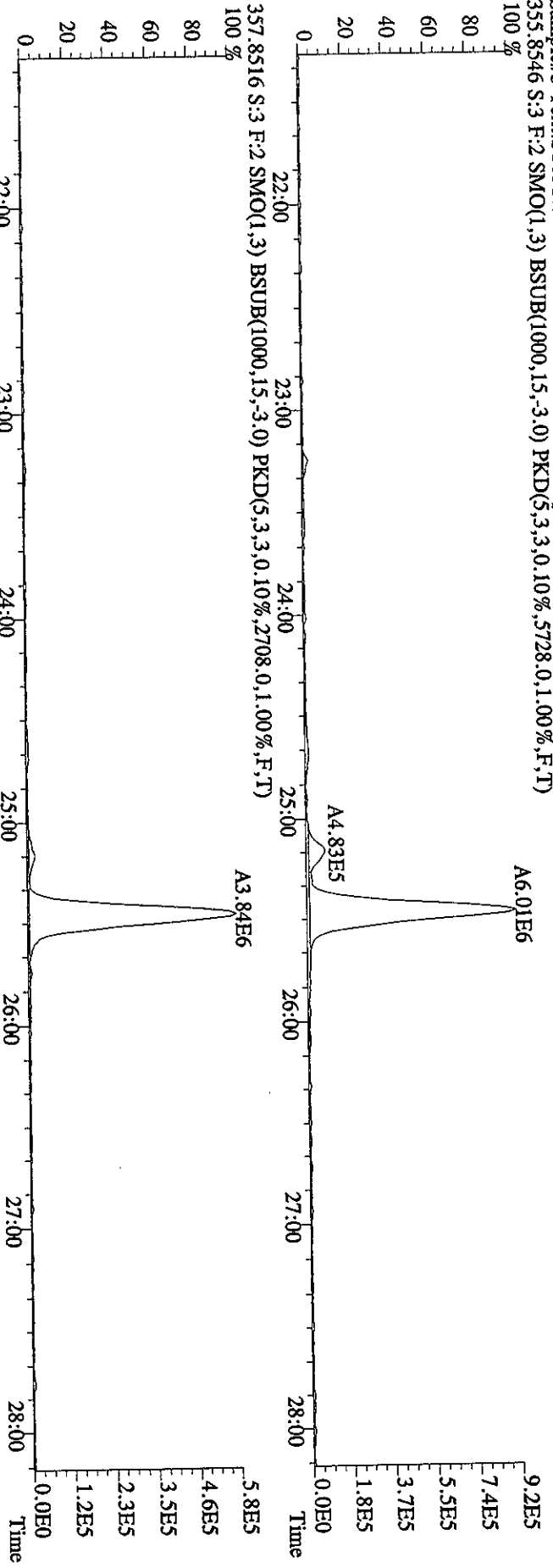
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6508,0,1,00%,F,T)



353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5980,0,1,00%,F,T)



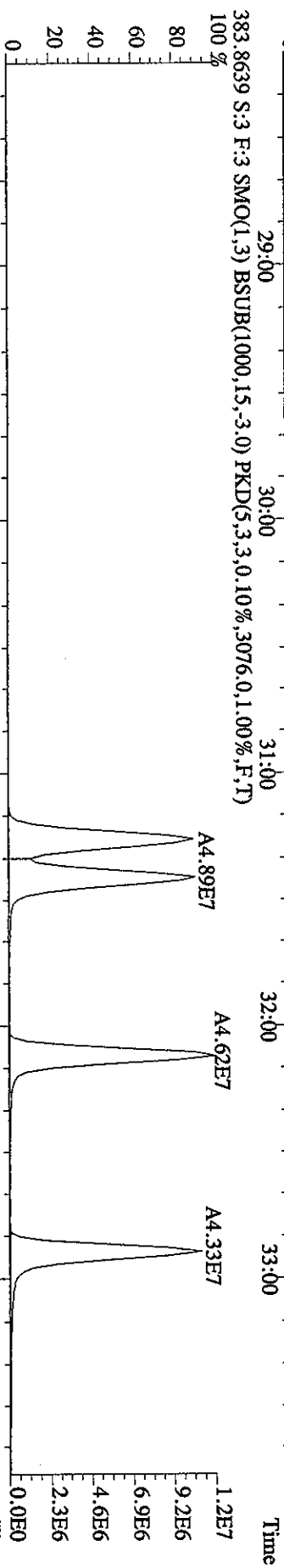
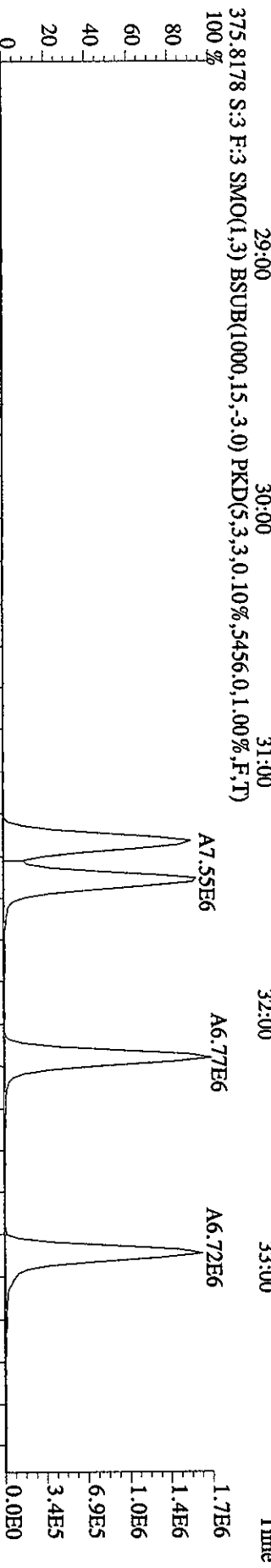
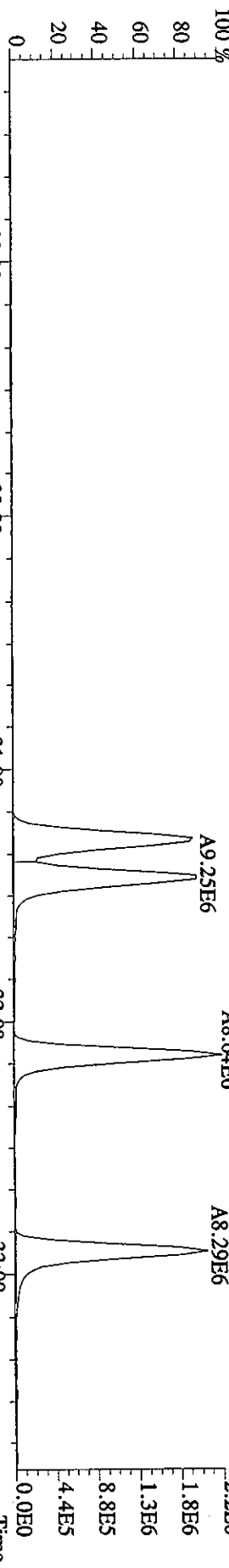
File:17MR061D5 #1-487 Acq:17-MAR-2006 10:31:02 GC EI + Voltage SIR 70SE
 Sample#3 Text:ST0317A :CS2 2565-41B Exp:DIOXIN
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5728,0,1,00%,F,T)
 100 %



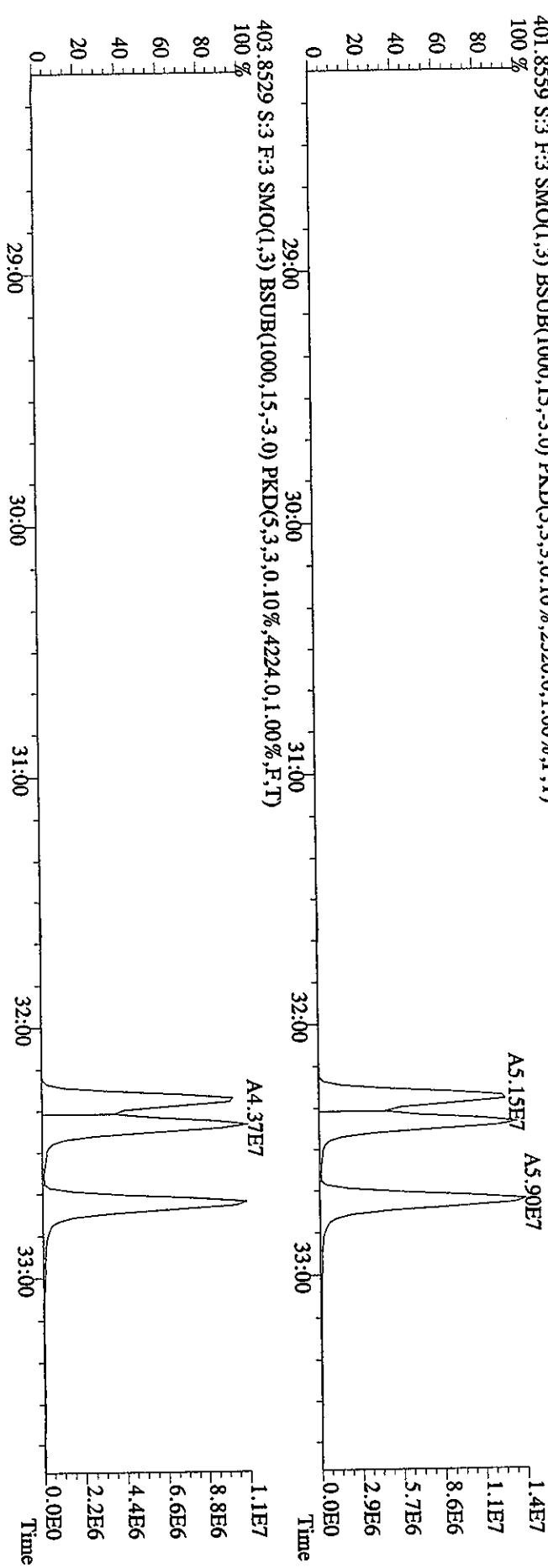
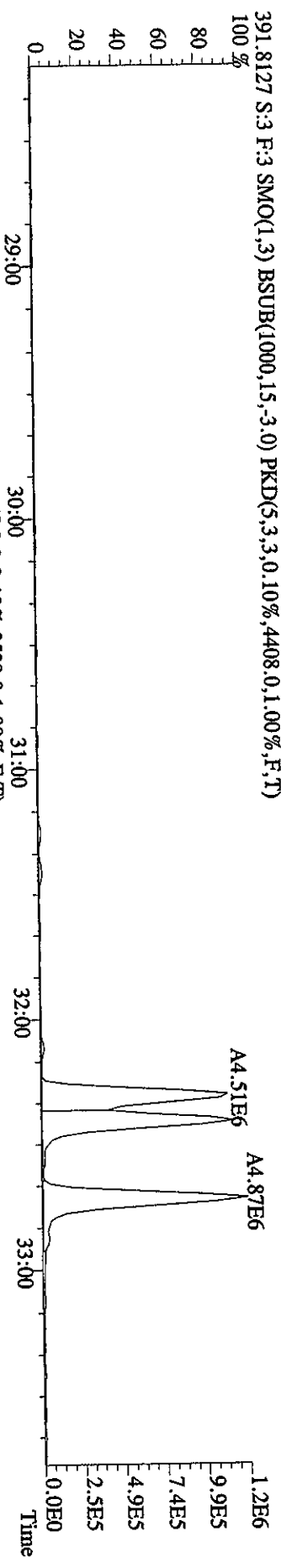
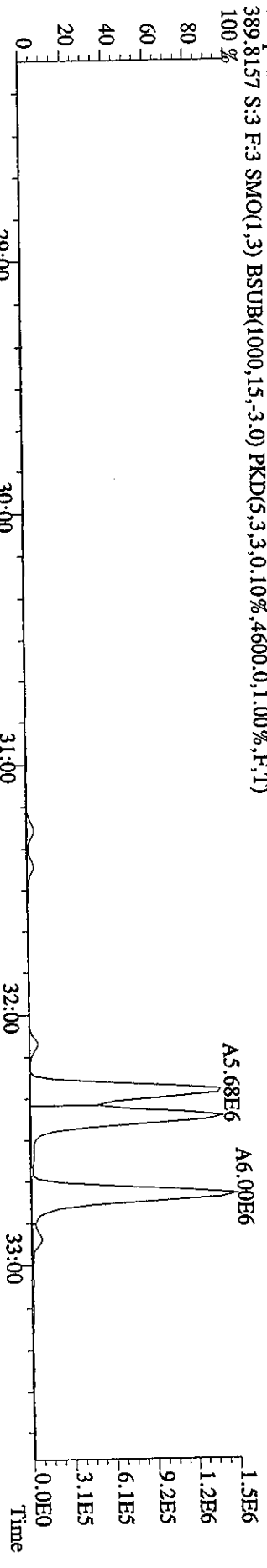
File:17MR061D5 #1-375 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST0317A :CS2 2565-41B Exp:DIOXIN

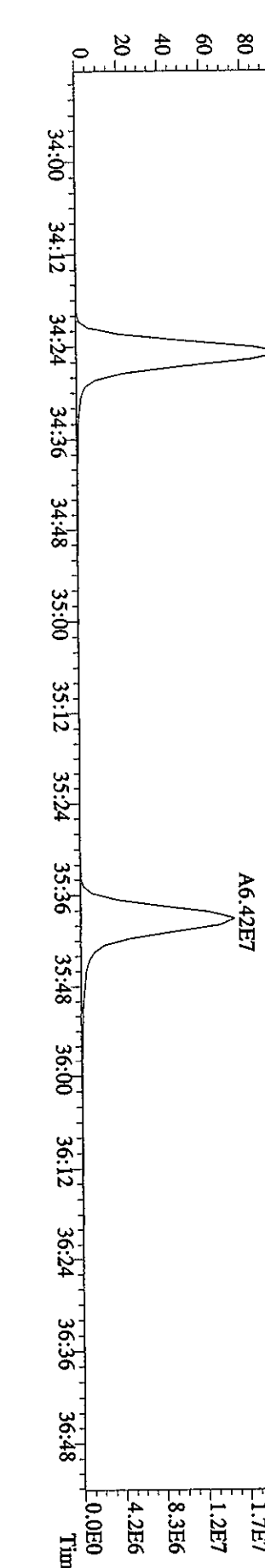
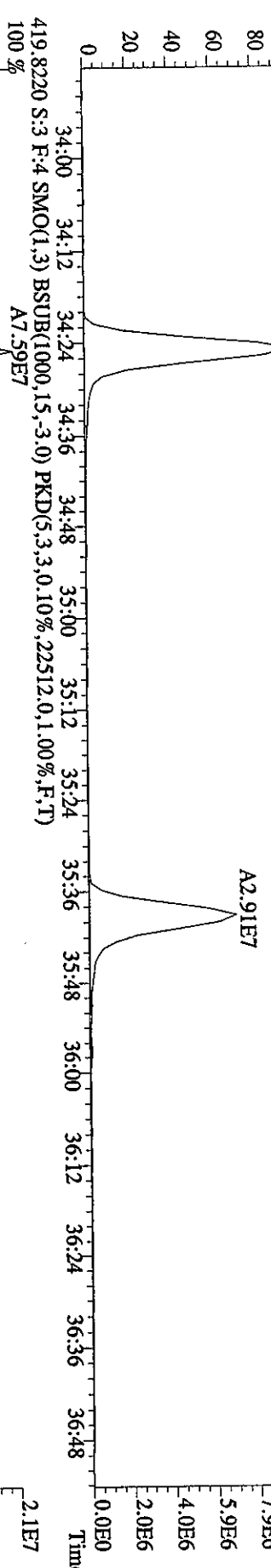
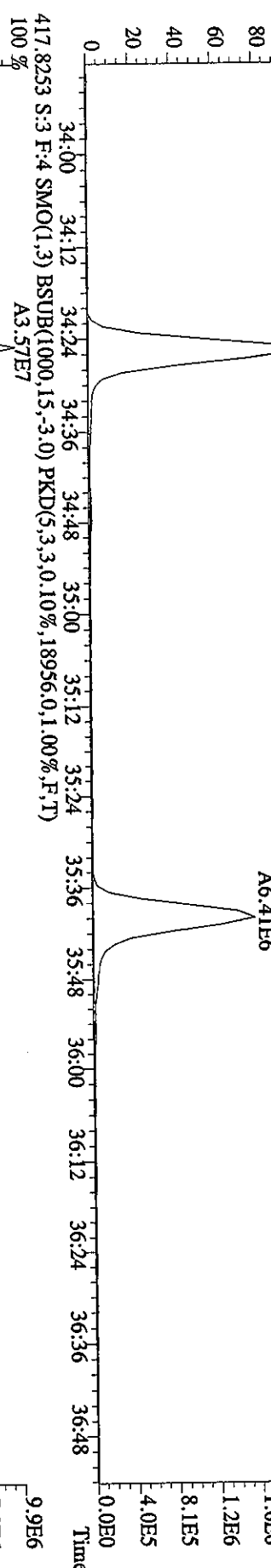
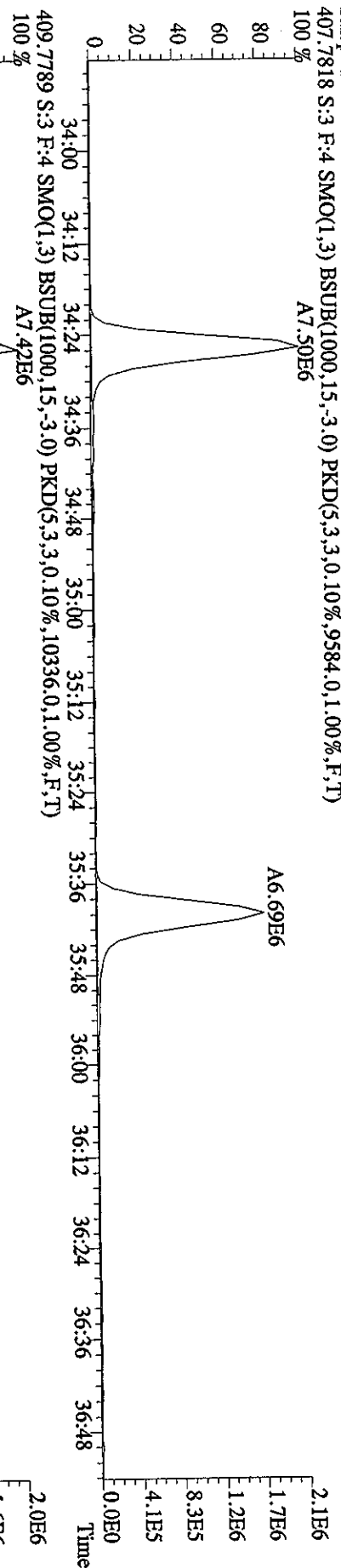
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5456.0,1.00%,F,T)



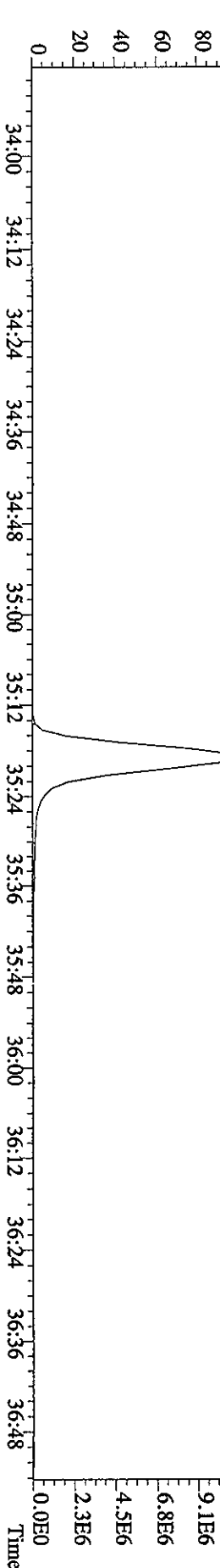
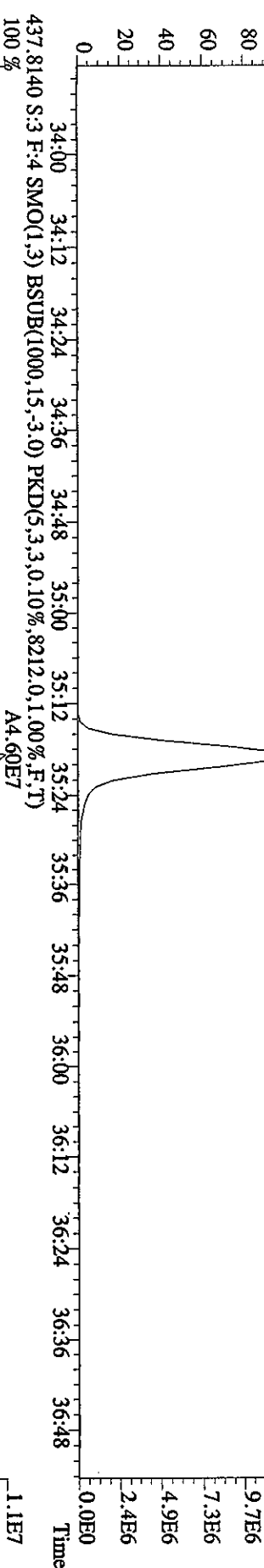
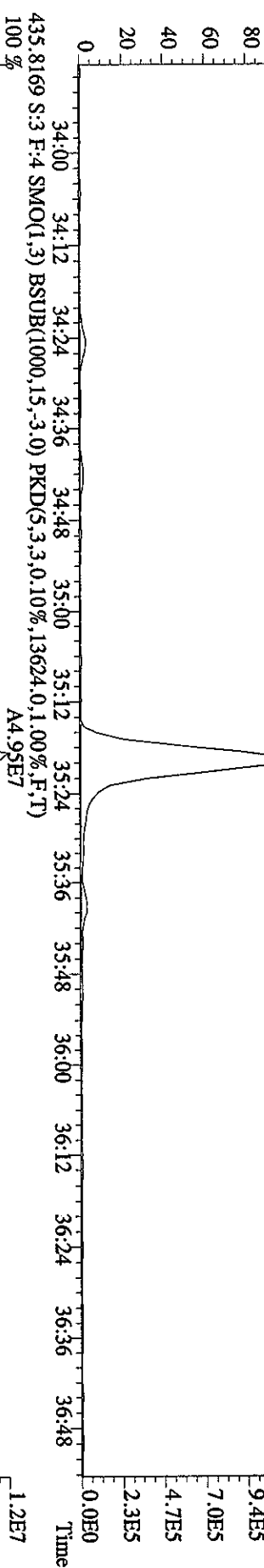
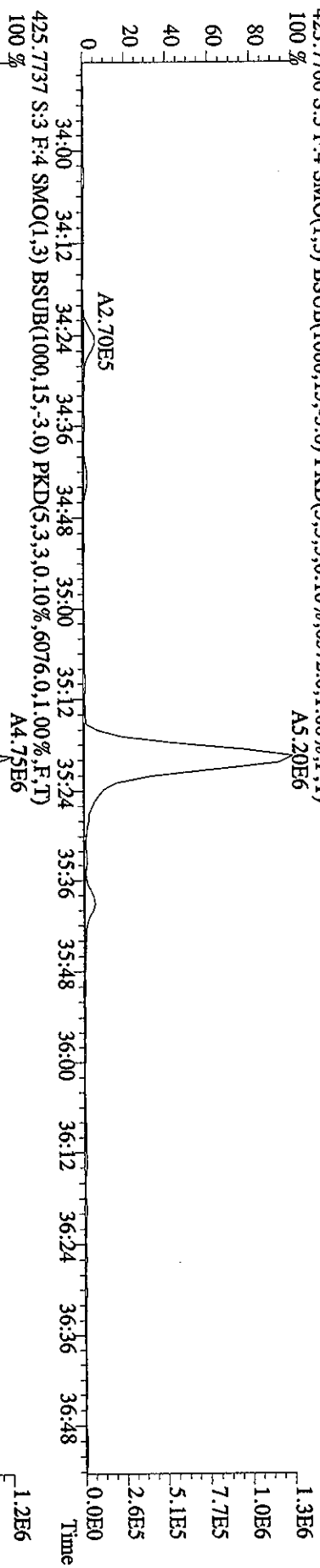
File:17MR061D5 #1-375 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0317A :CS2 2565-41B Exp:DIOXIN
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4600,0,1,00%,F,T)



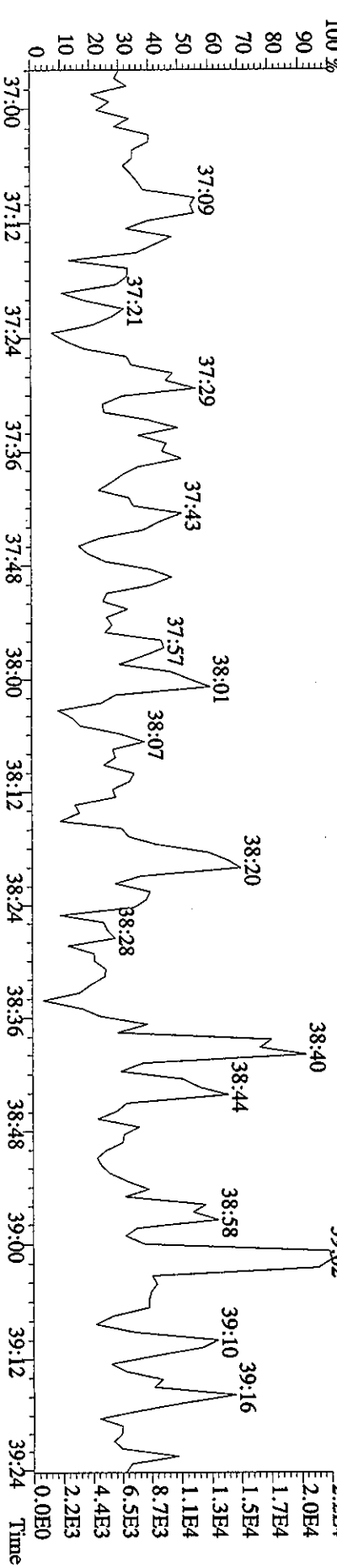
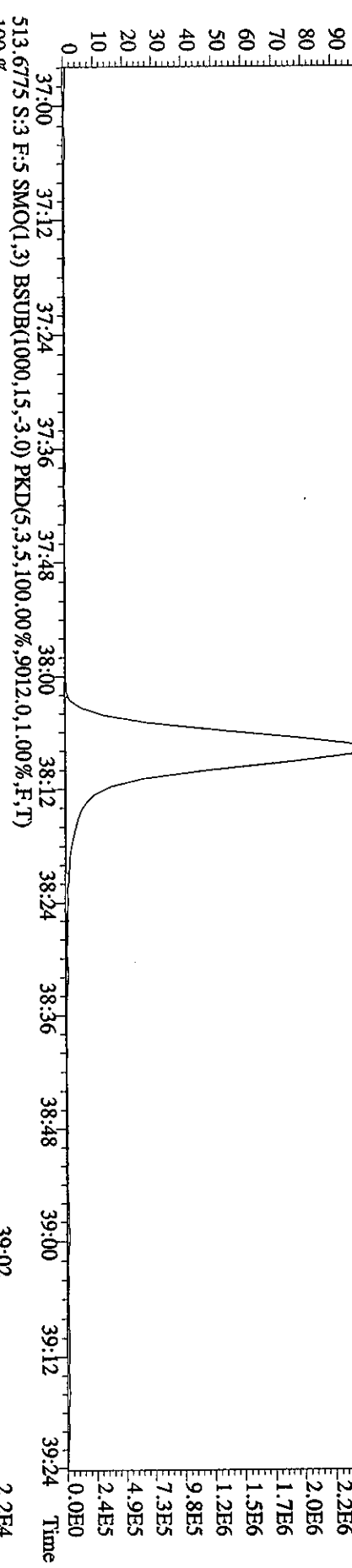
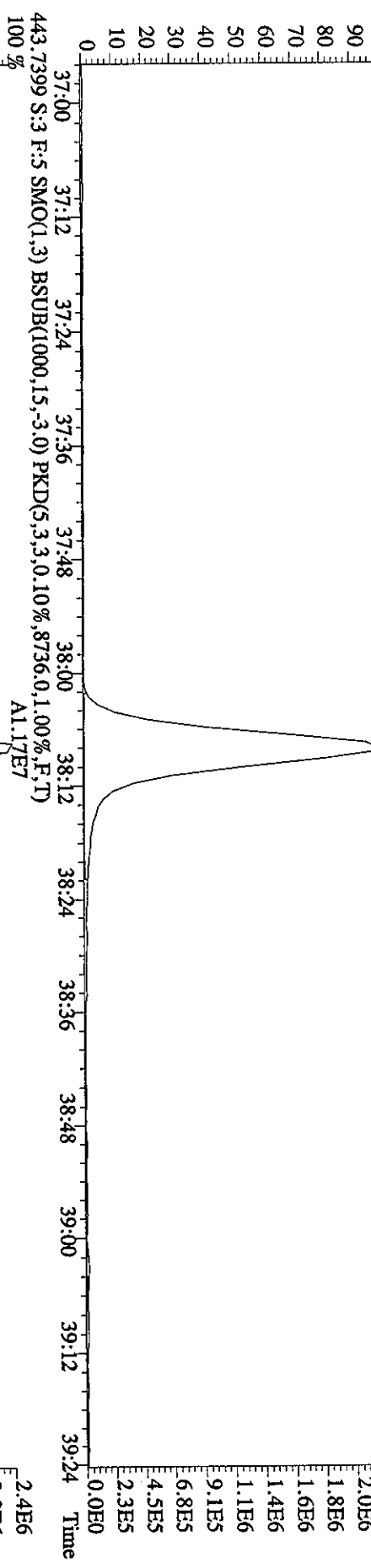
File:17MR061D5 #1-219 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0317A :CS2 2565-41B Exp.:DIOXIN
 407.77818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9584,0,1,00%,F,T)
 100%



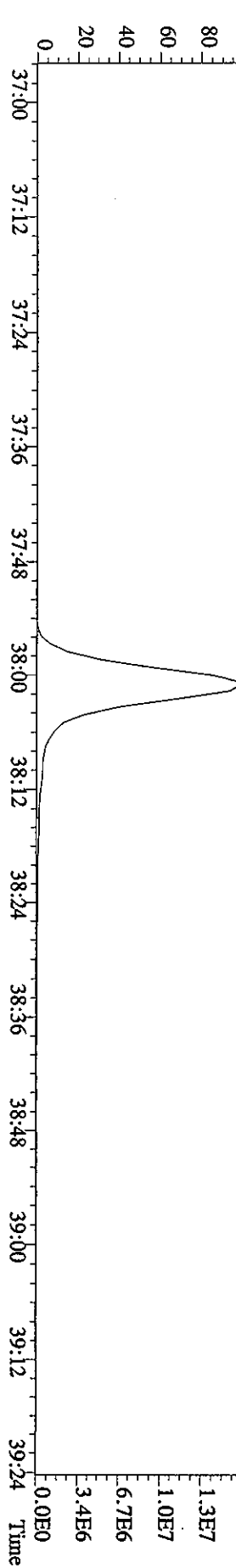
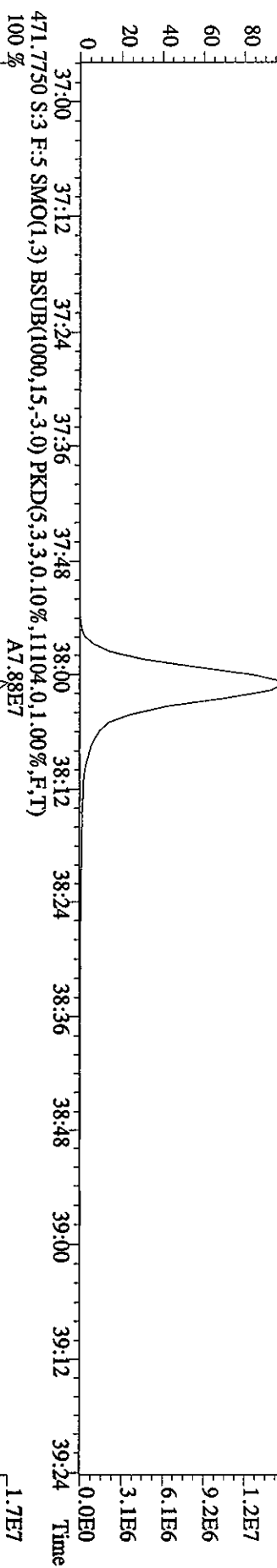
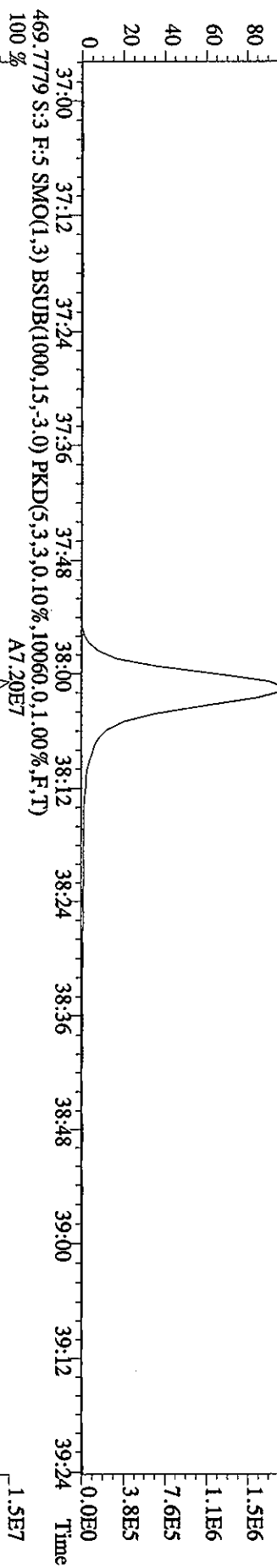
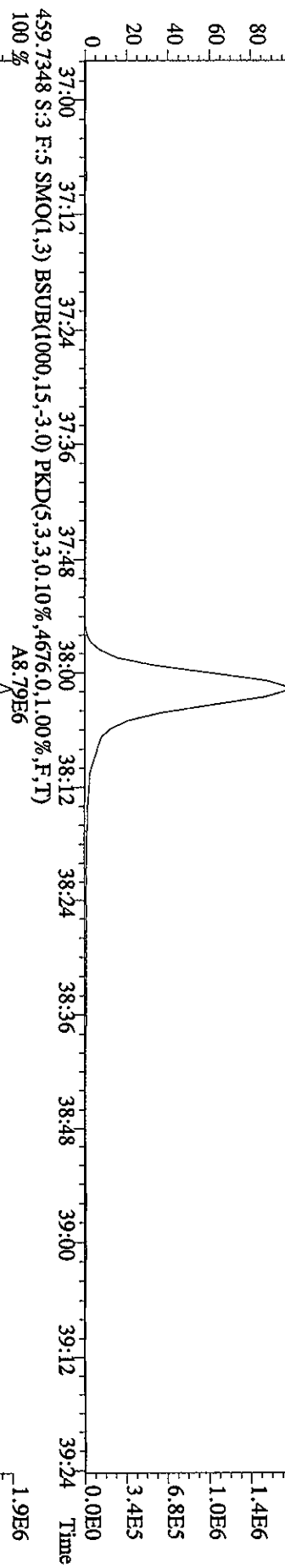
File: 17MR061D5 #1-219 Acq: 17-MAR-2006 10:31:02 GC EI + Voltage SIR 70SE
 Sample#3 Text: ST0317A :CS2 2565-41B Exp: DIOXIN
 423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6572.0,1.00%,F,T)
 100% A5.20E6



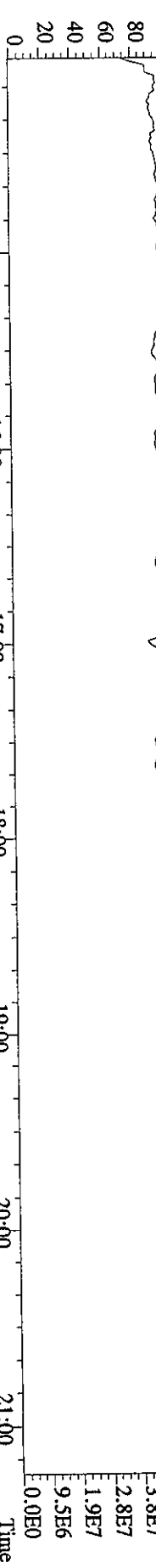
File:17MR061D5 #1-179 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0317A :CS2 2565-41B Exp.:DIOXIN
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8864.0,1.00%,F,T) A1.05E7



File:17MR061D5 #1-179 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0317A :CS2 2565-41B Exp:DIOXIN
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5276.0,1.00%,F,T)
 100% A7.93E6



100% 14:41 15:08 15:35 16:06 16:29 17:03 17:34 17:56 18:21 18:56 19:26 19:55 20:24 21:00



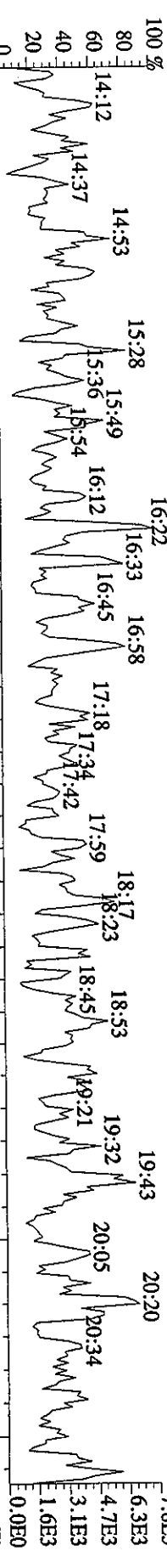
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4156,0,1.00%,F,T)



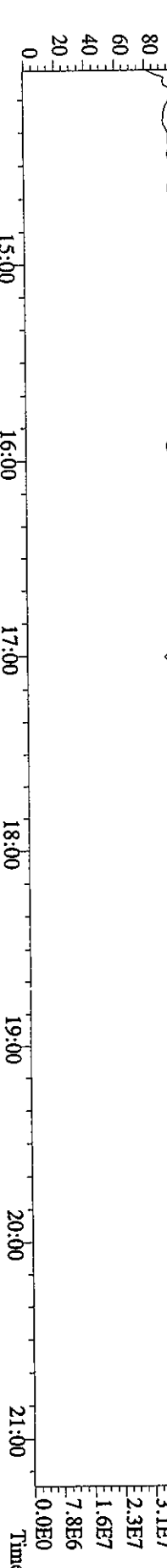
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5840,0,1.00%,F,T)

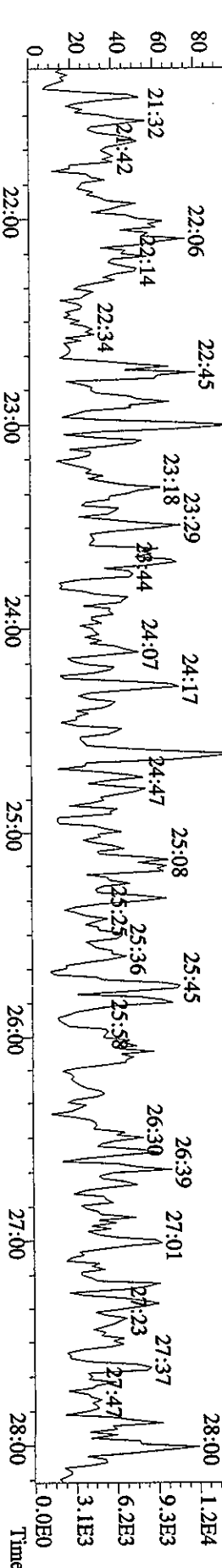
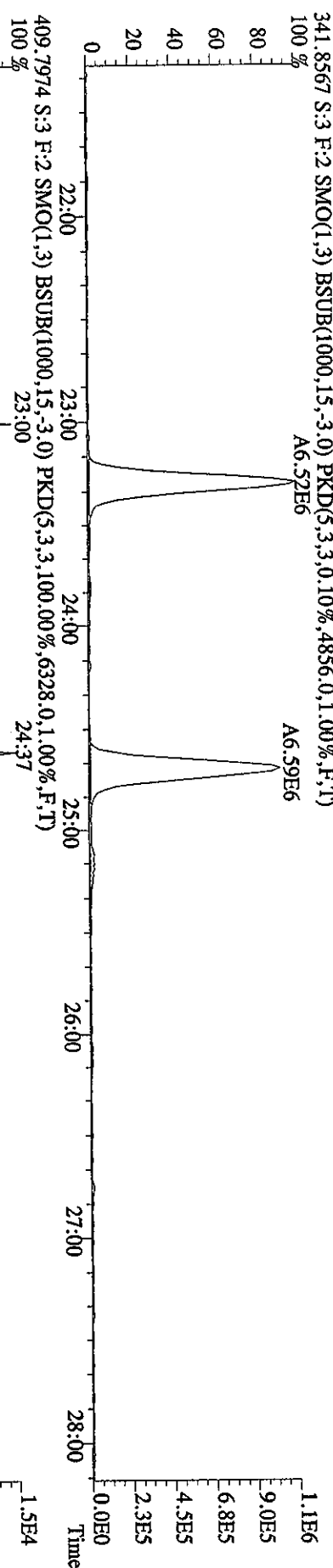
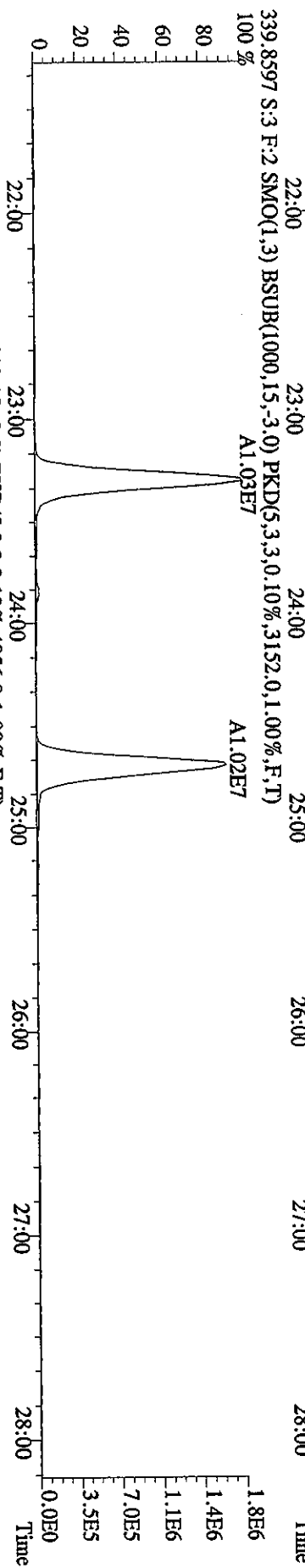
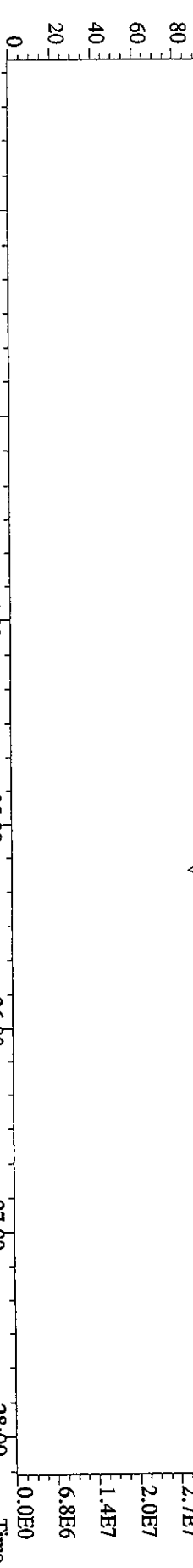


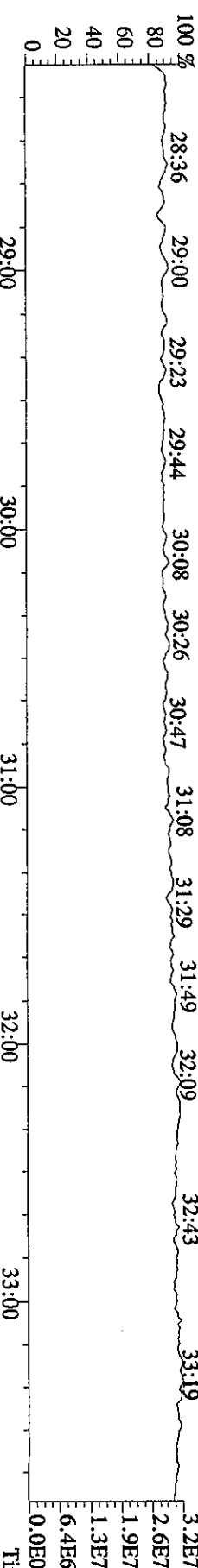
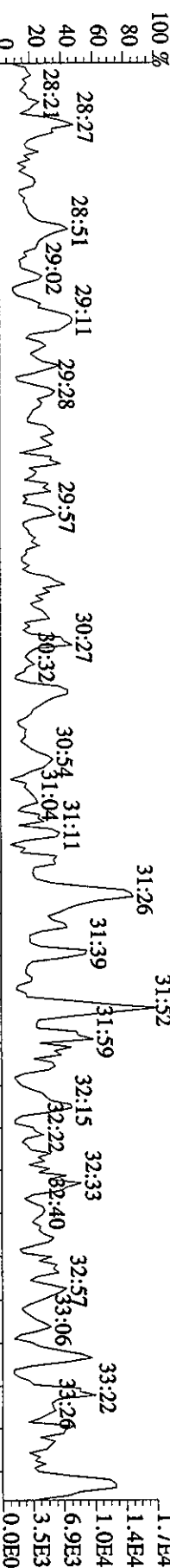
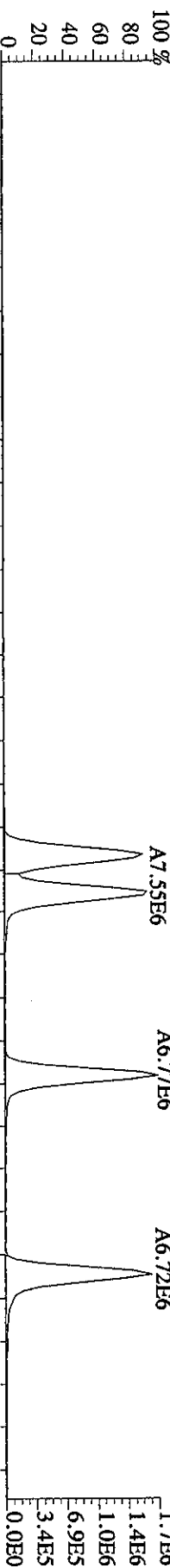
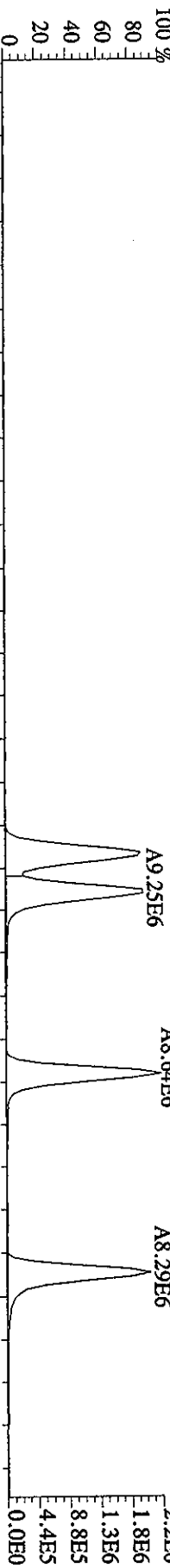
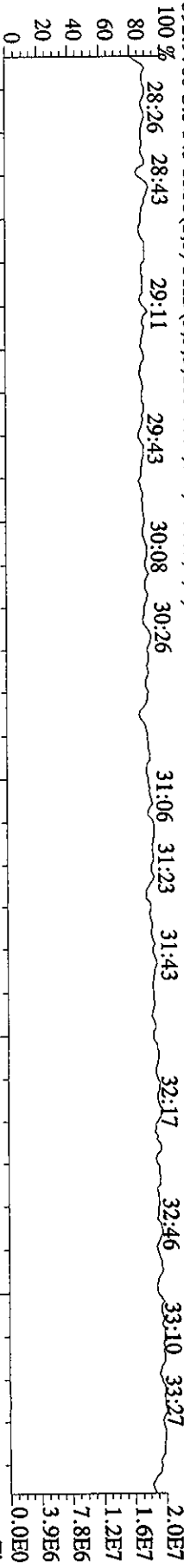
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3400,0,1.00%,F,T)



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



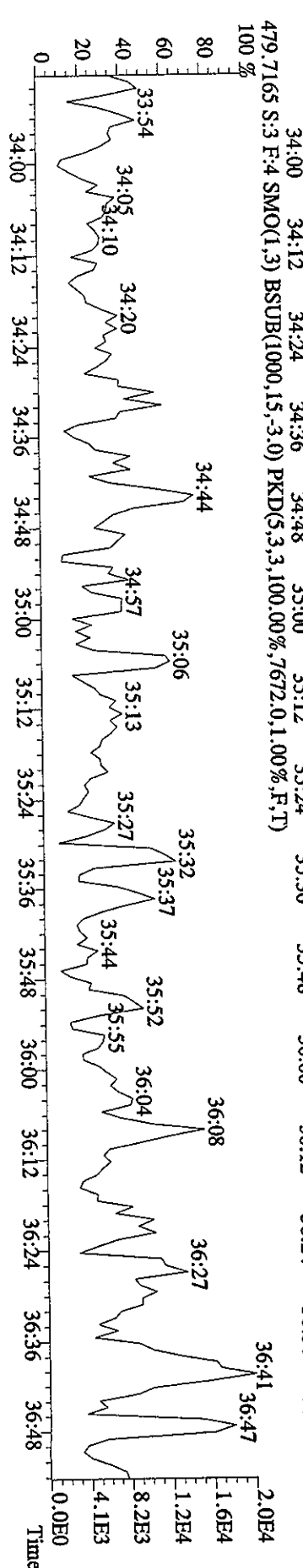
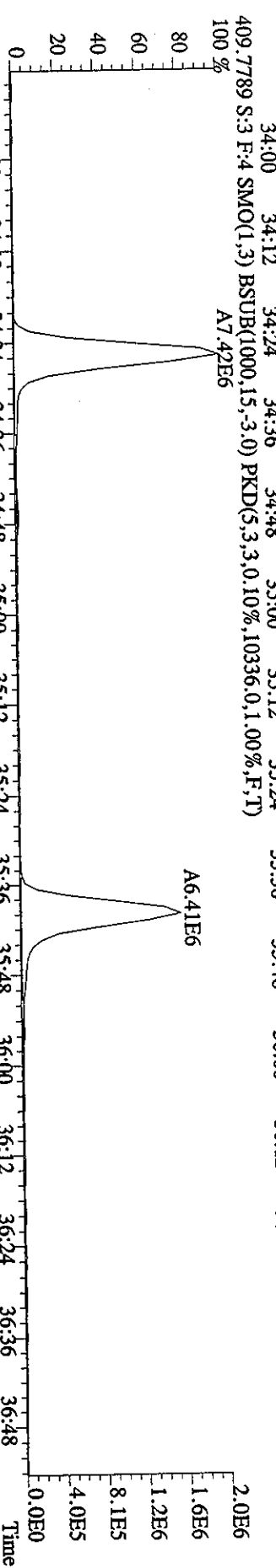
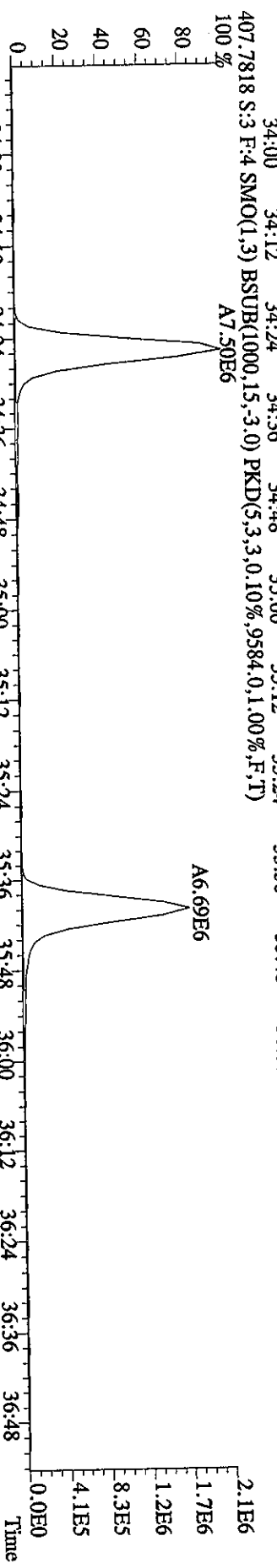
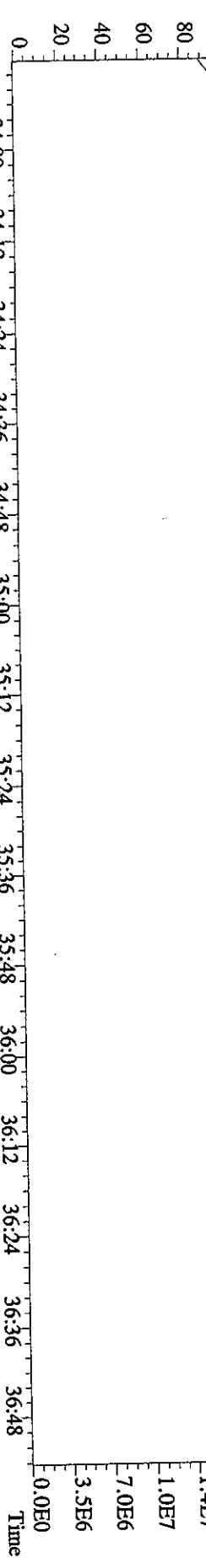




File:17MR061D5 #1-219 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST10317A :CS2 2565-41B Exp:DIOXIN

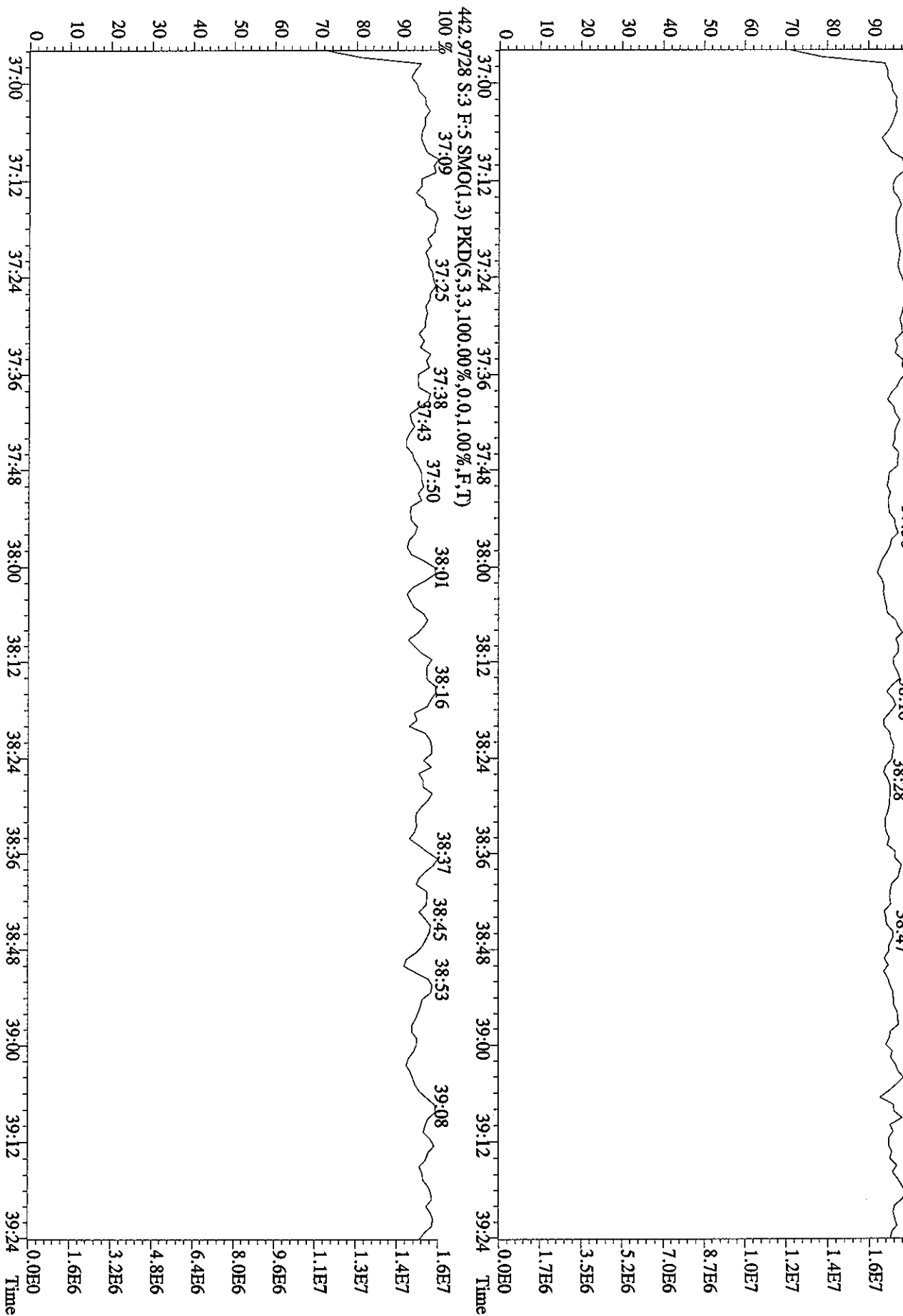
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



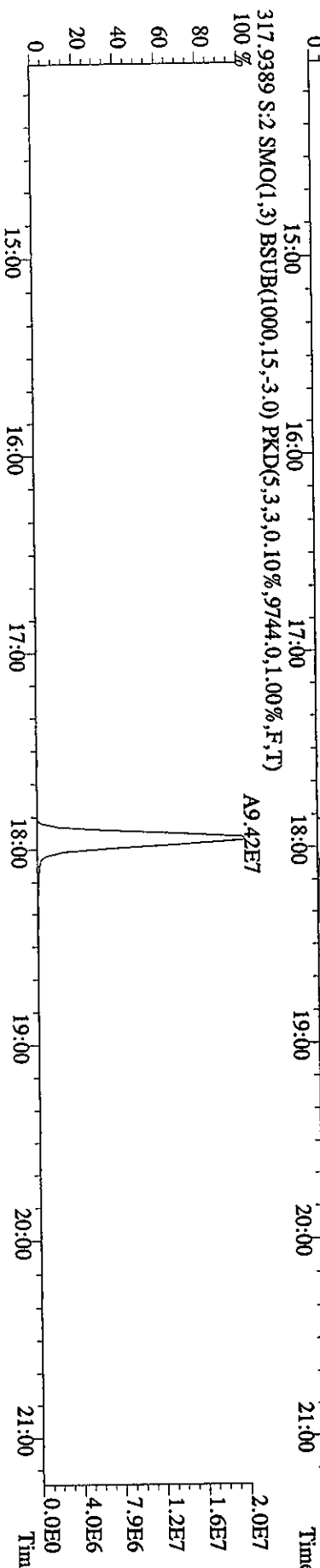
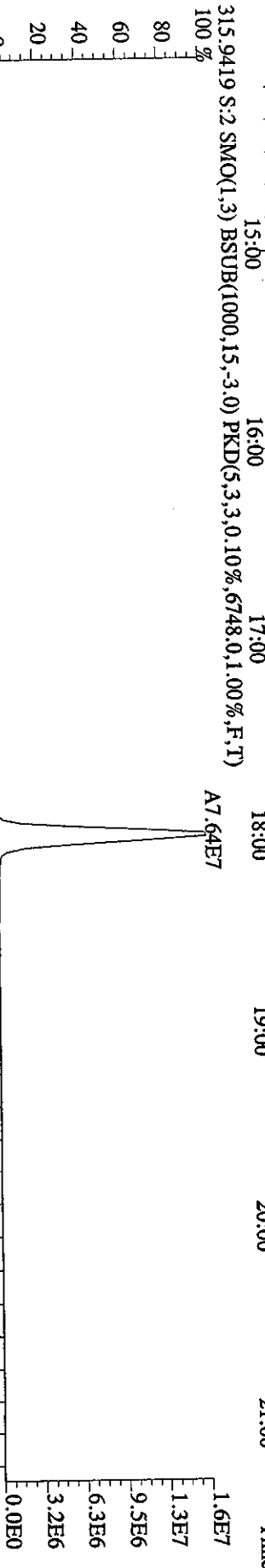
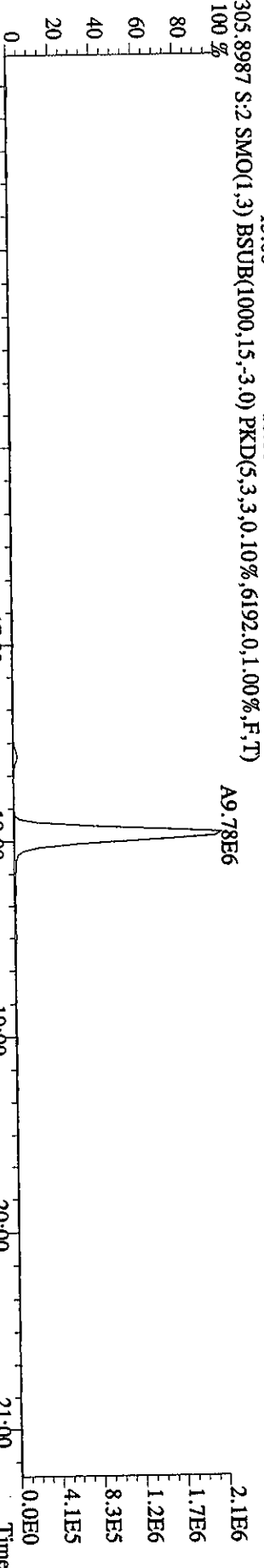
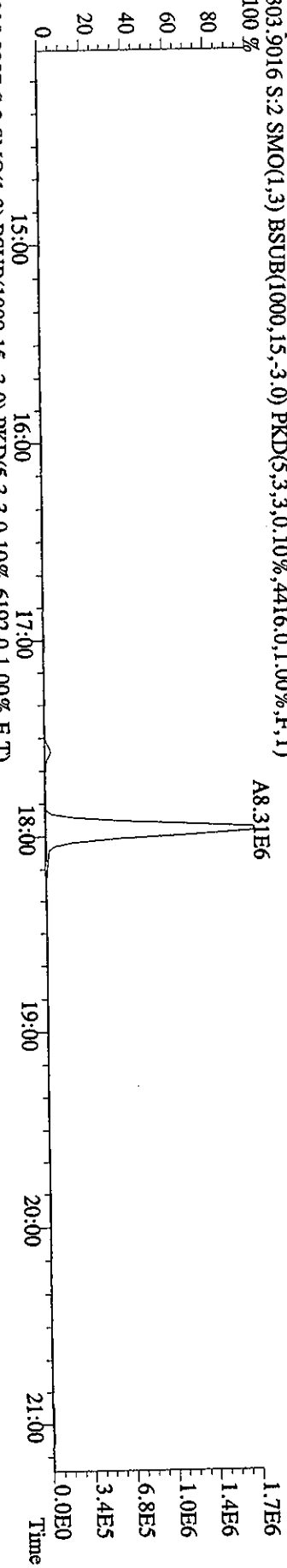
File:17MR061D5 #1-179 Acq:17-MAR-2006 10:31:02 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST0317A :CS2 2565-41B Exp:DIOXIN

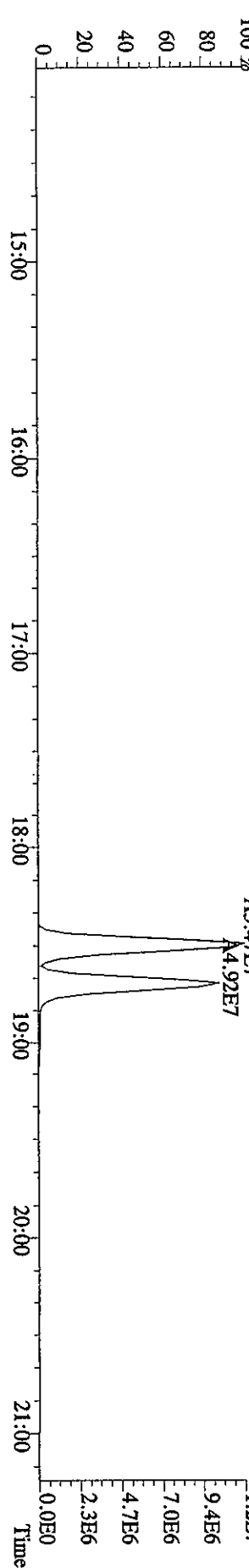
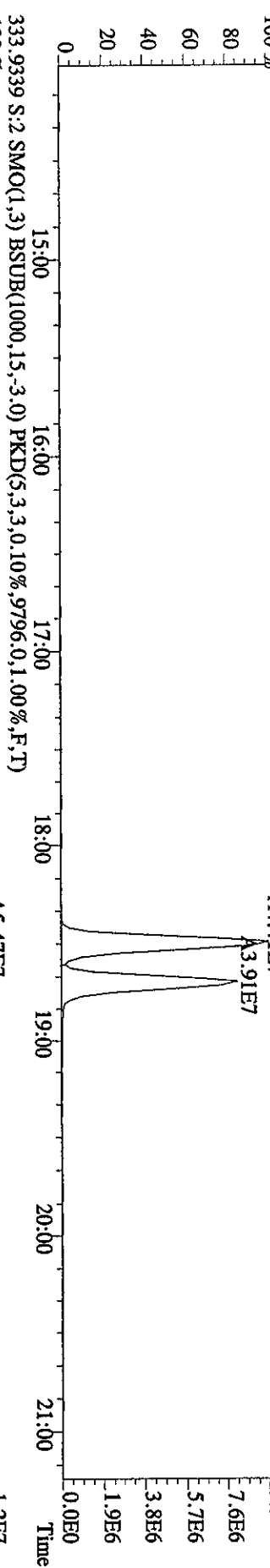
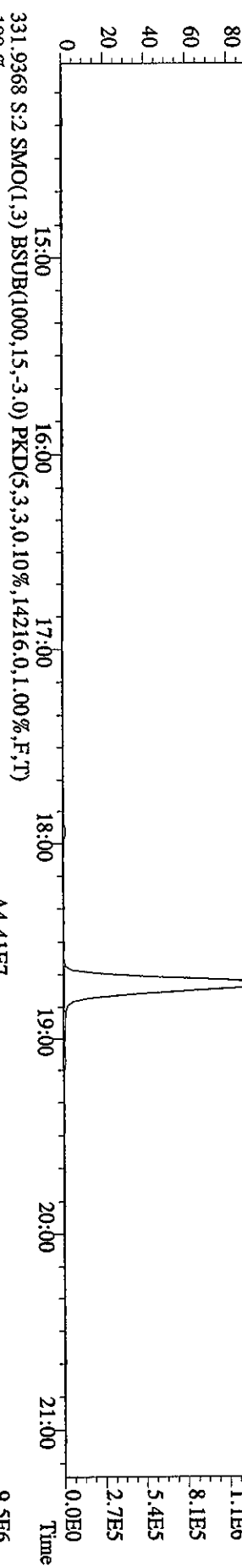
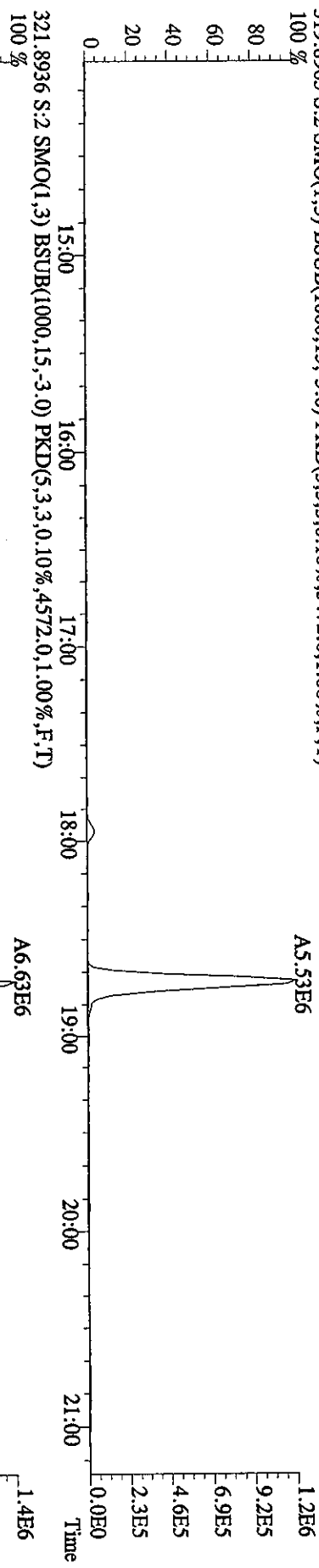
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



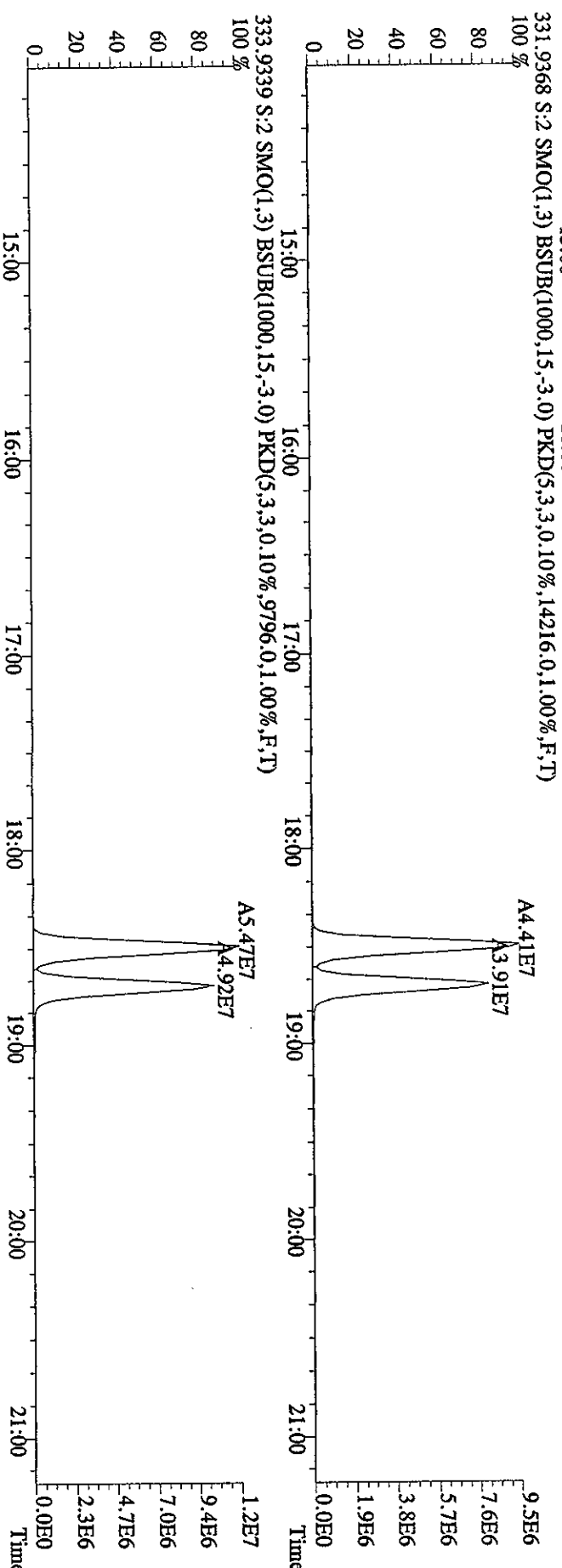
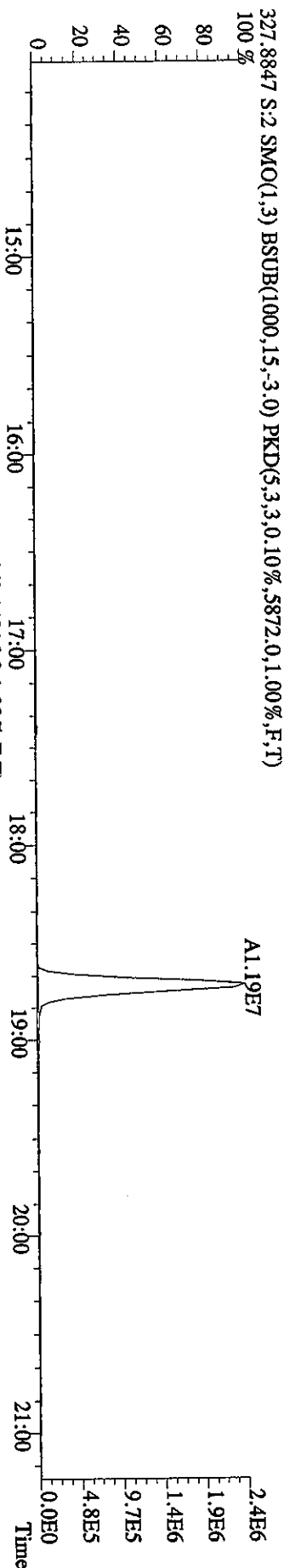
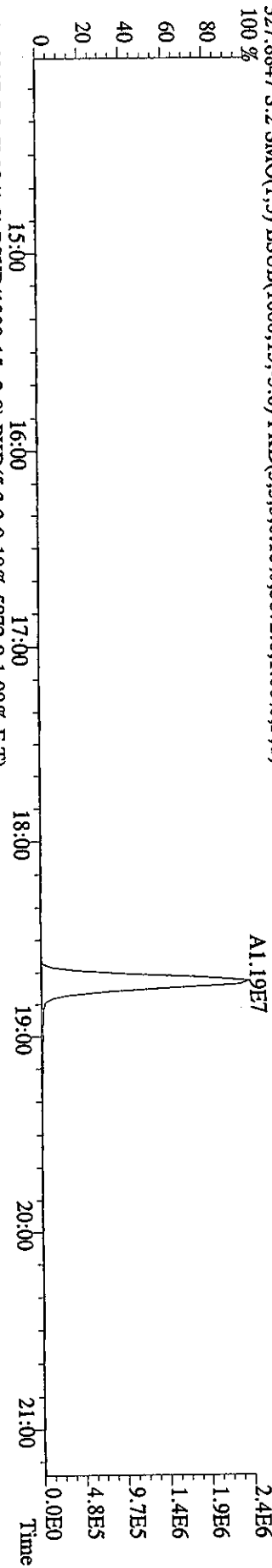
File:17MR061D5 #1-393 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST10317 :CS3 2565-41C Exp.:DIOXIN
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4416,0,1,00%,F,T)
 100 %



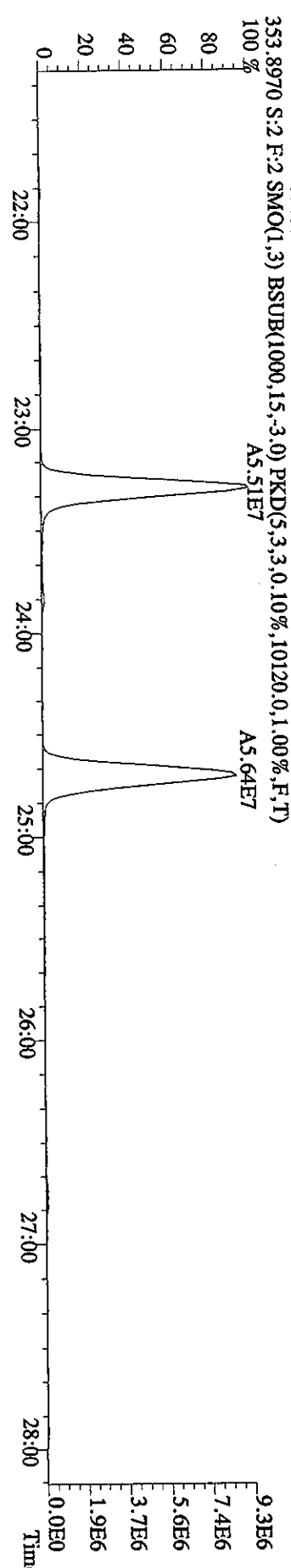
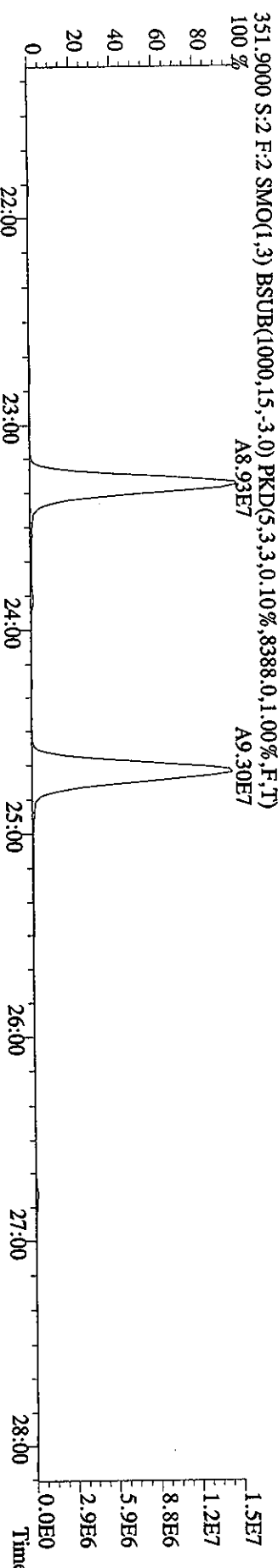
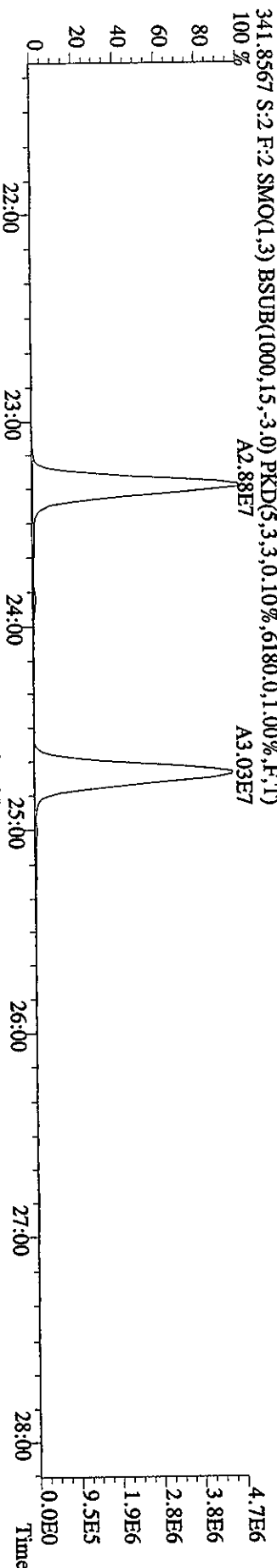
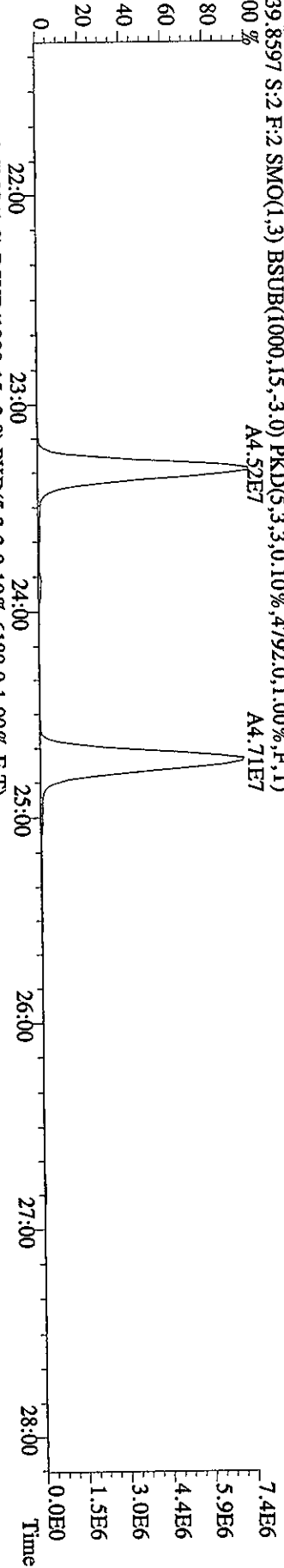
File:17MR061D5 #1-393 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0317 :CSS 2565-41C Exp.:DIOXIN
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3472.0,1.00%,F,T)



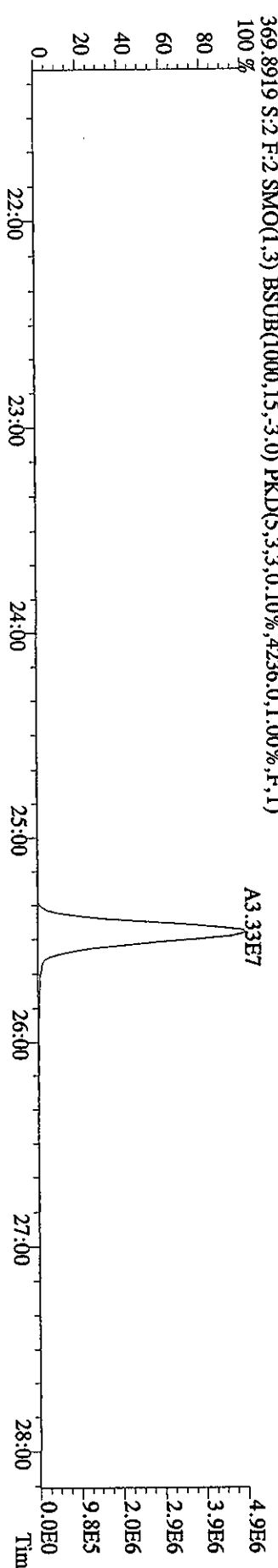
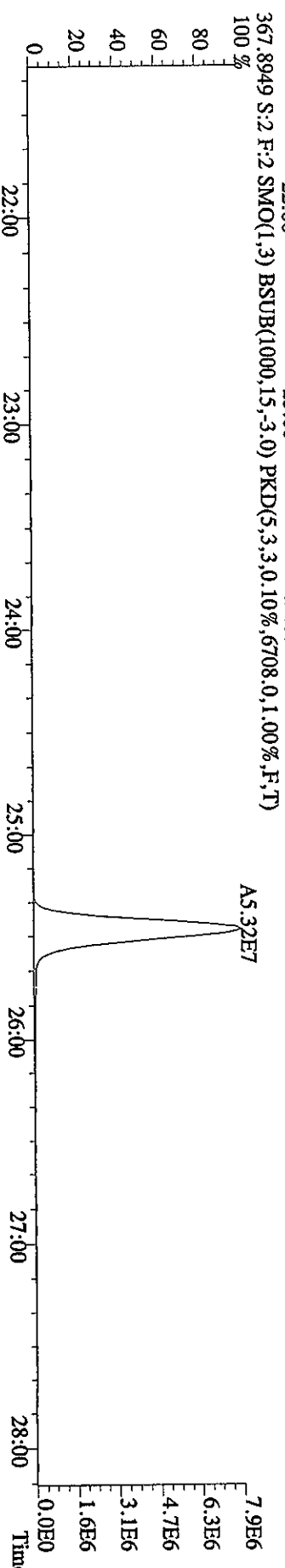
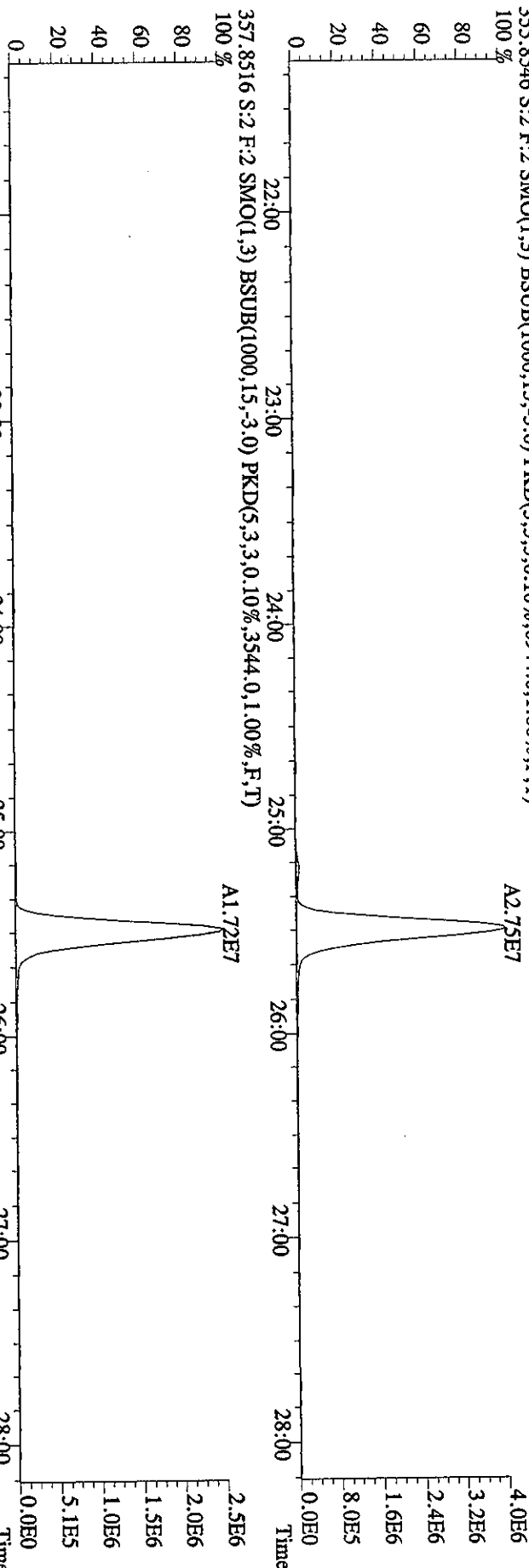
File:17MR061D5 #1-393 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5872.0,1.00%,F,T)



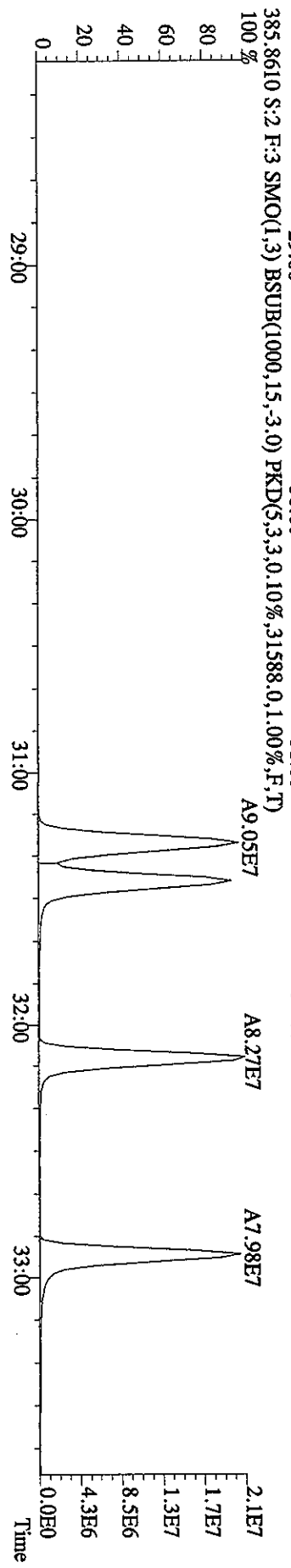
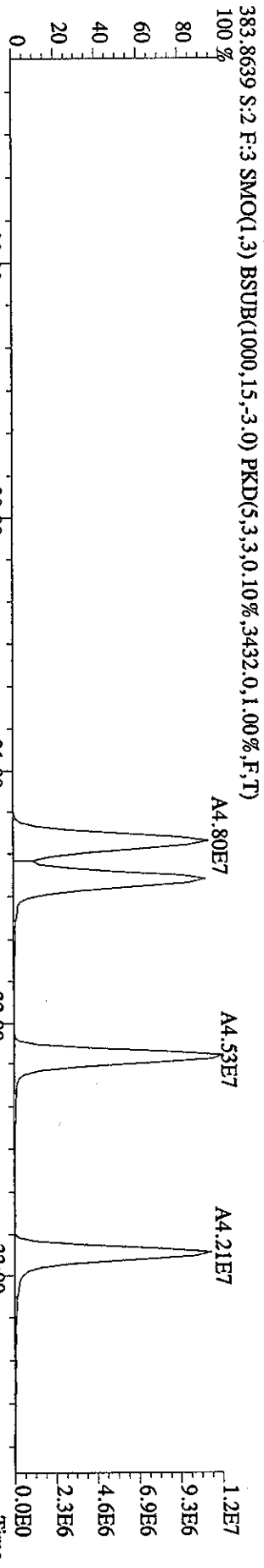
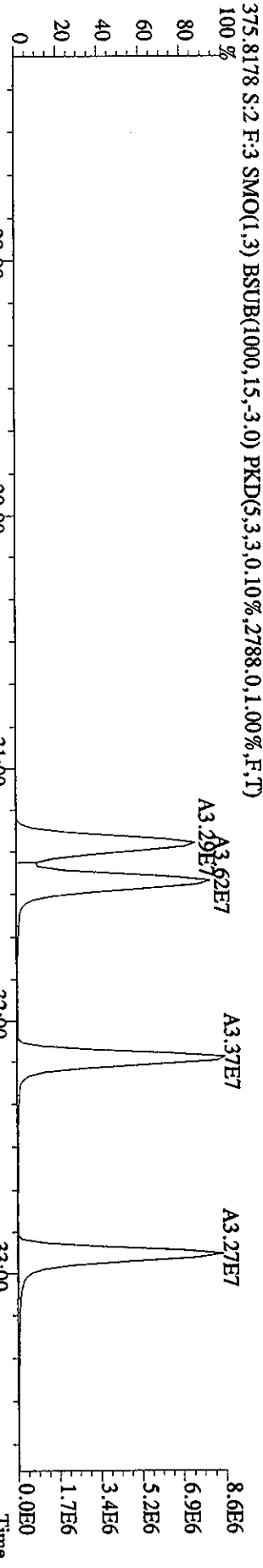
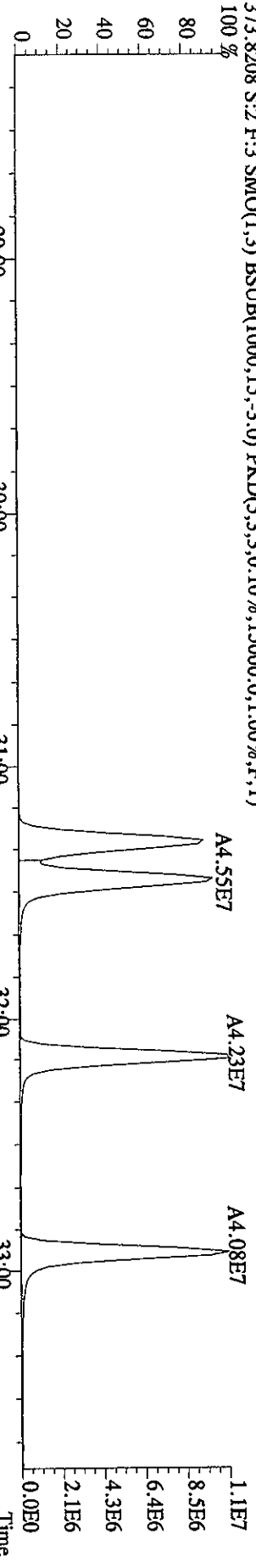
File: 17MR061D5 #1-487 Acq: 17-MAR-2006 09:49:22 GC EI + Voltage SIR 70SE
 Sample#2 Text: ST0317 :CSS 2565-41C Exp: DIOXIN
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4792.0,1.00%,F,T)
 100 % A4.52E7 A4.71E7



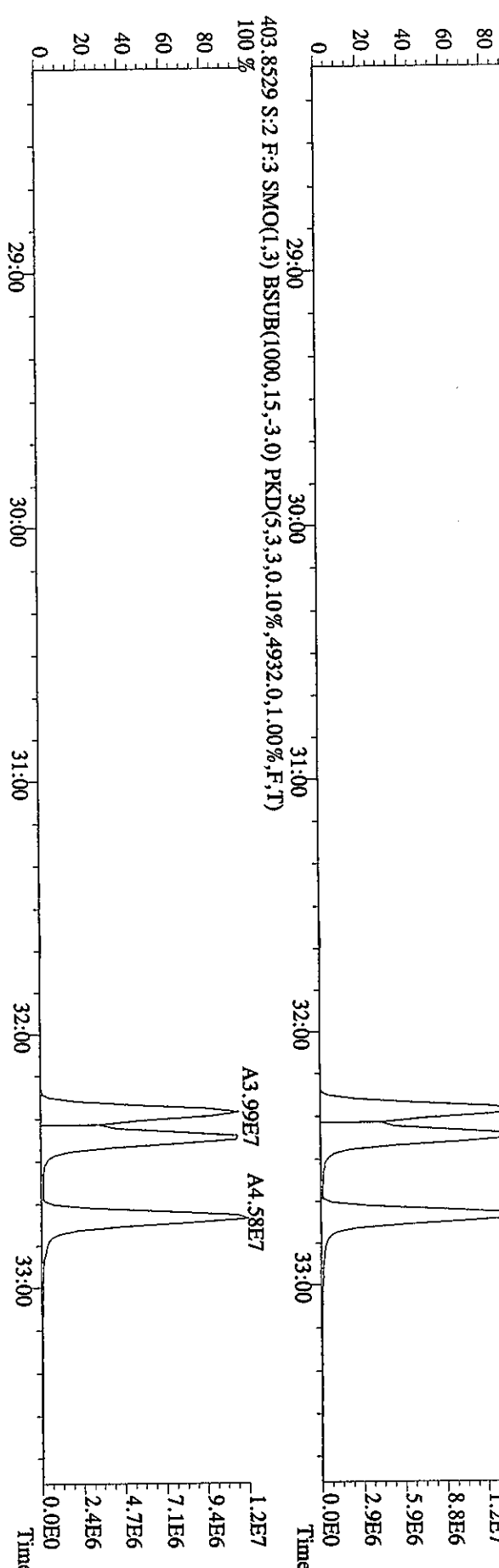
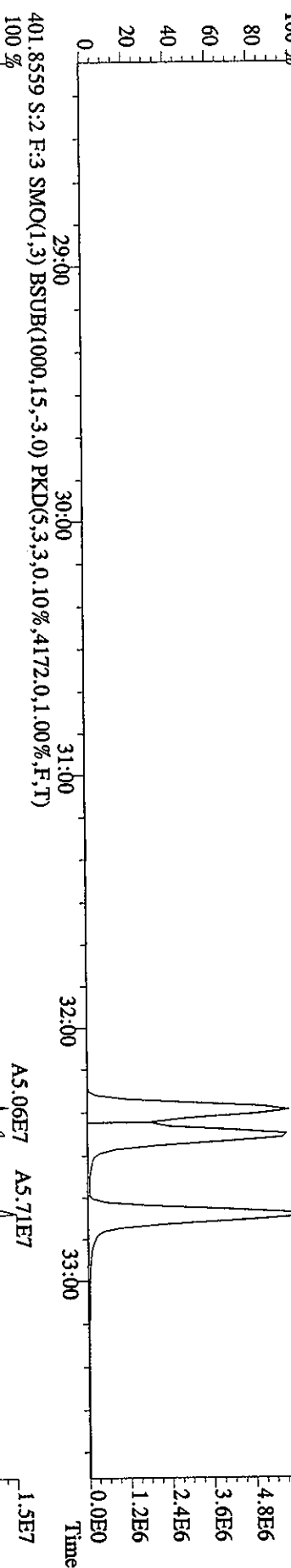
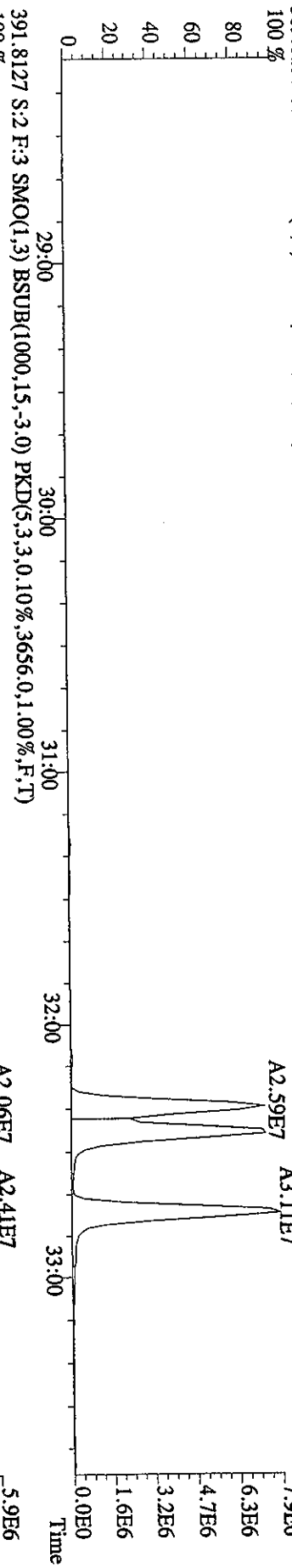
File:17MR061D5 #1-487 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6944.0,1.00%,F,T)



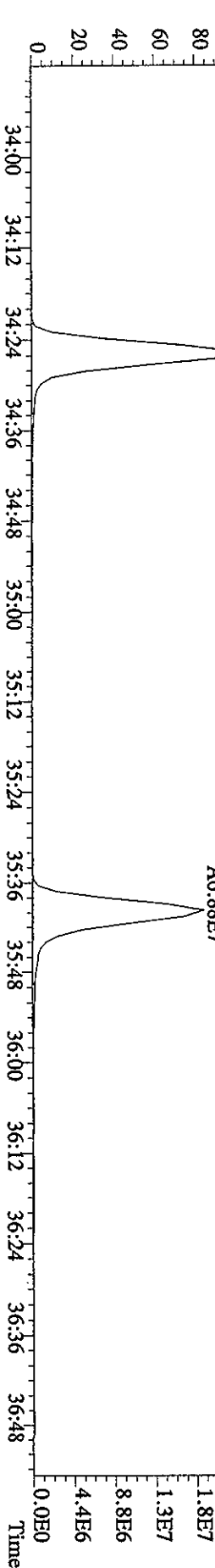
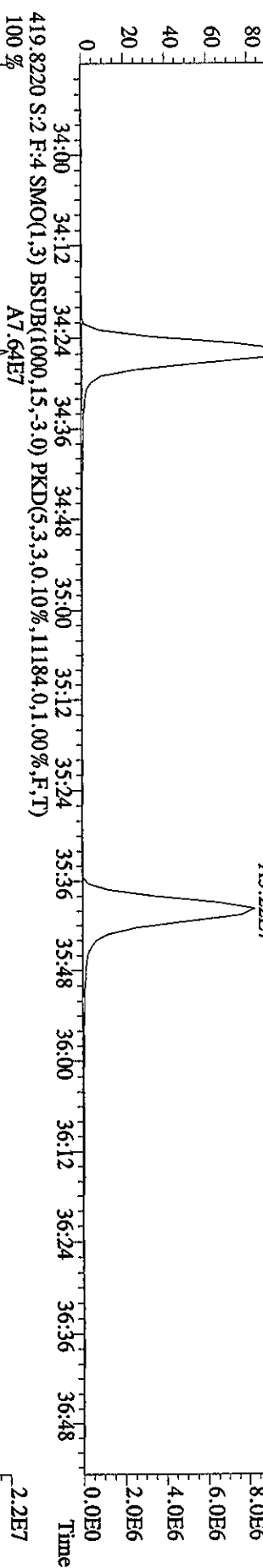
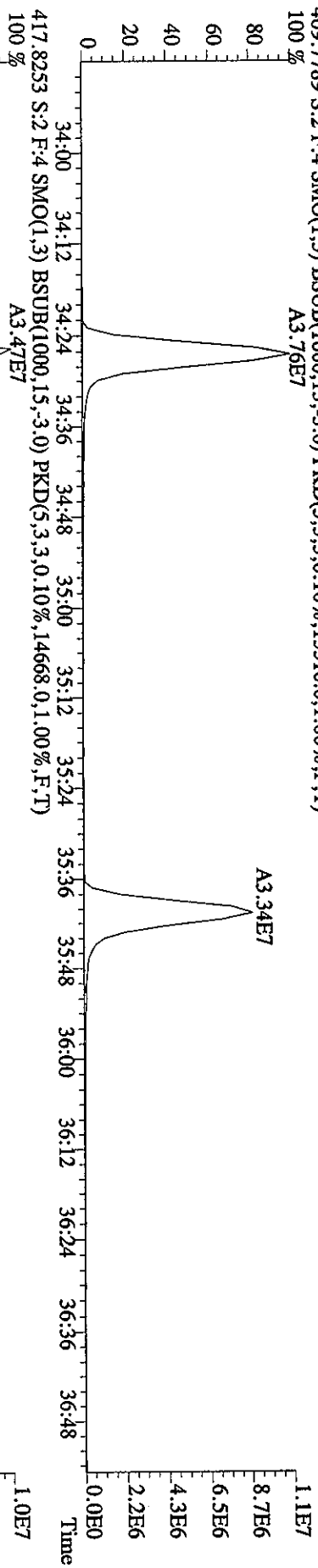
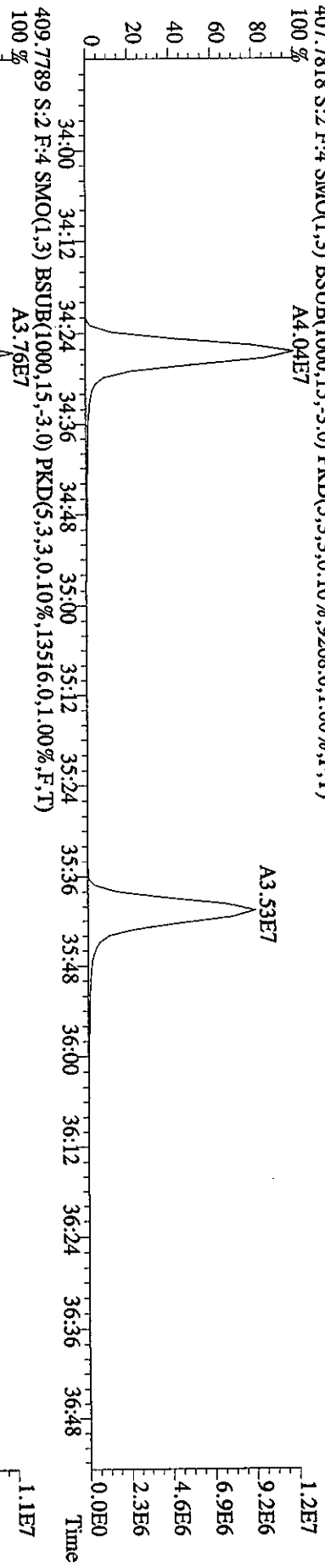
File:17MR061D5 #1-375 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15000,0,1,00%,F,T)



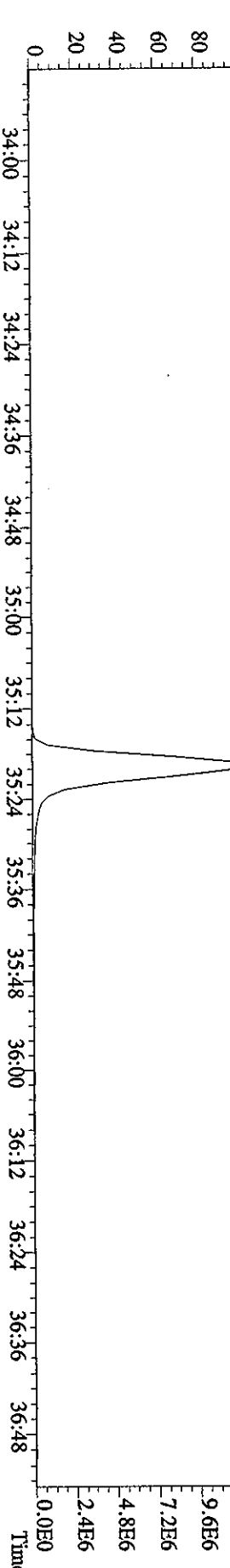
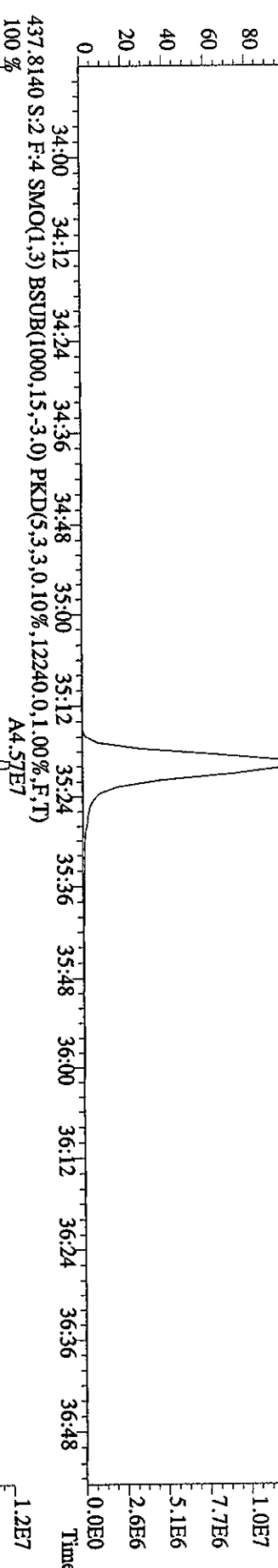
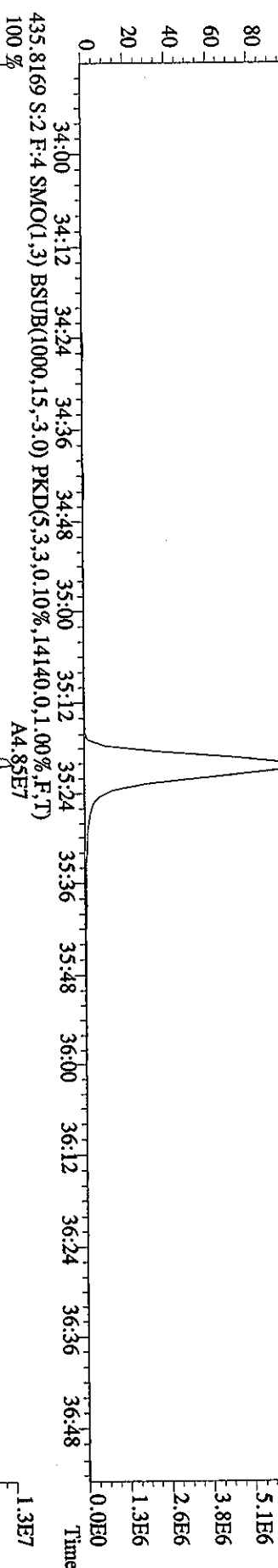
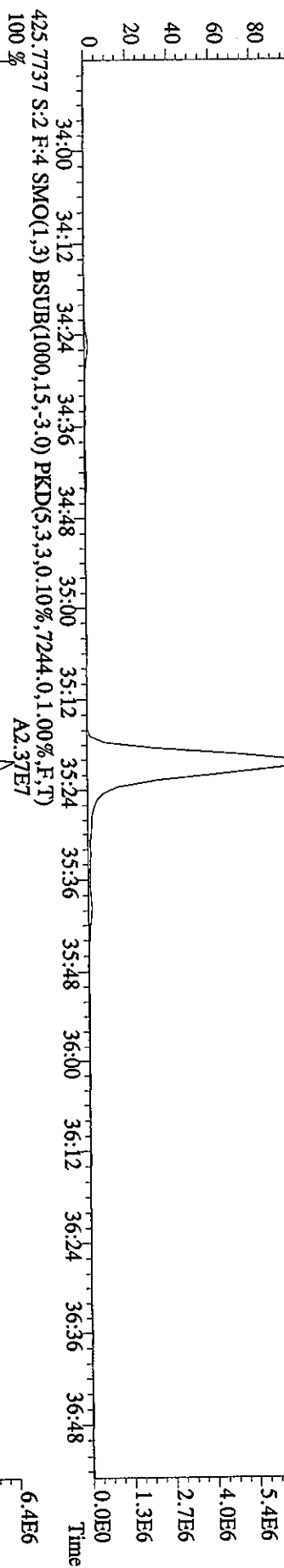
File:17MR061D5 #1-375 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2956.0,1.00%,F,T)



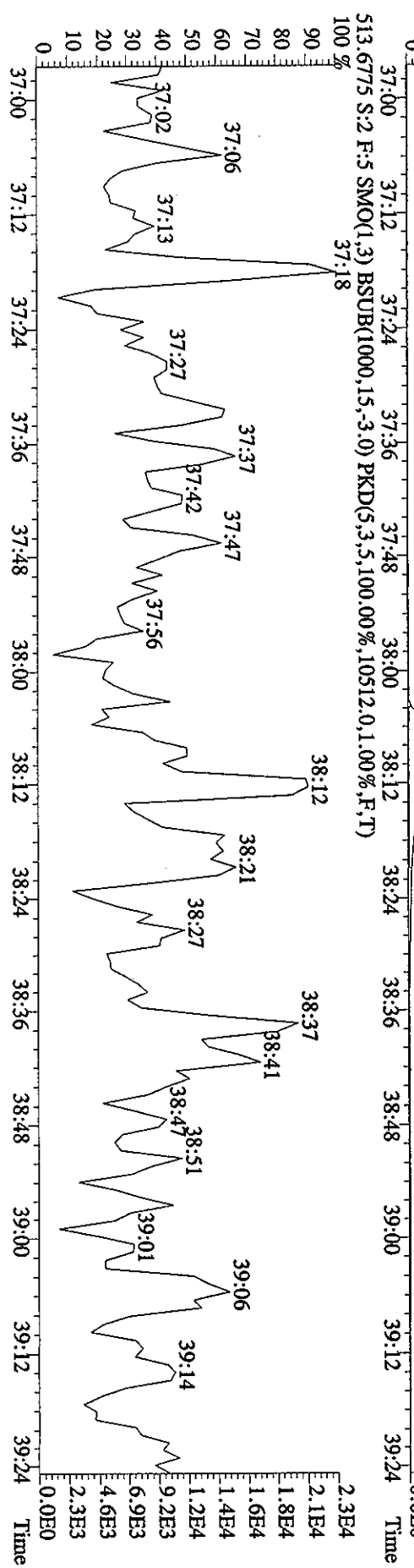
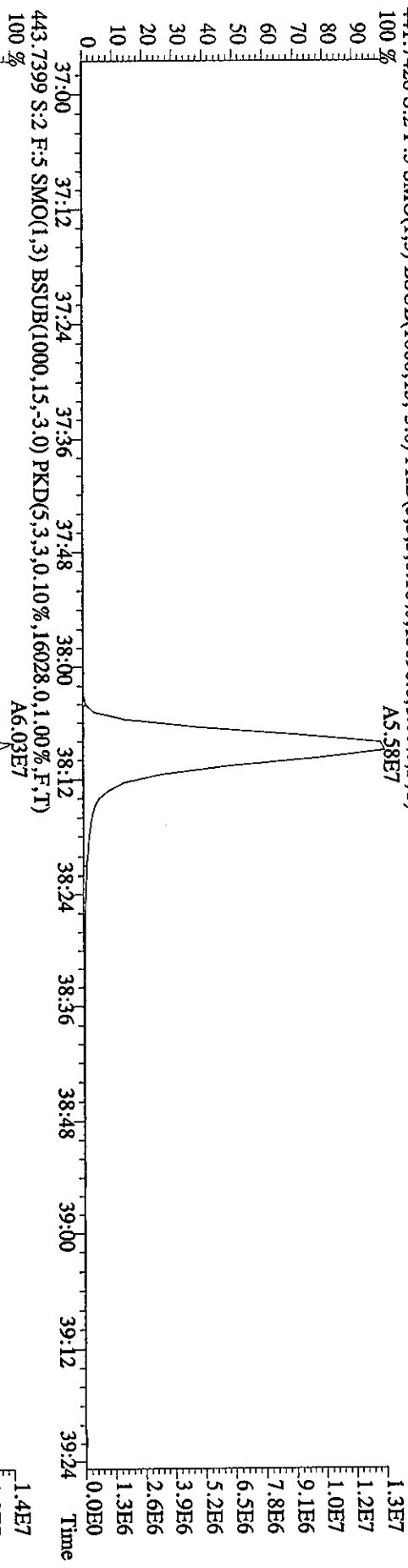
File:17MR061D5 #1-220 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9268,0.1,0.00%,F,T)
 100%



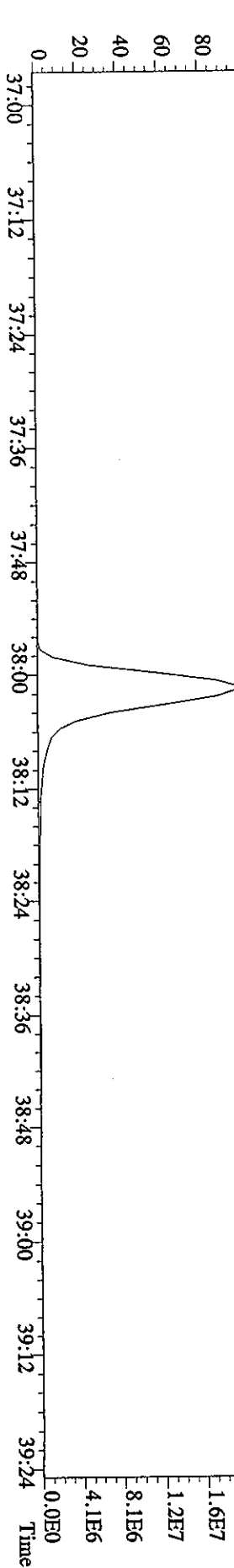
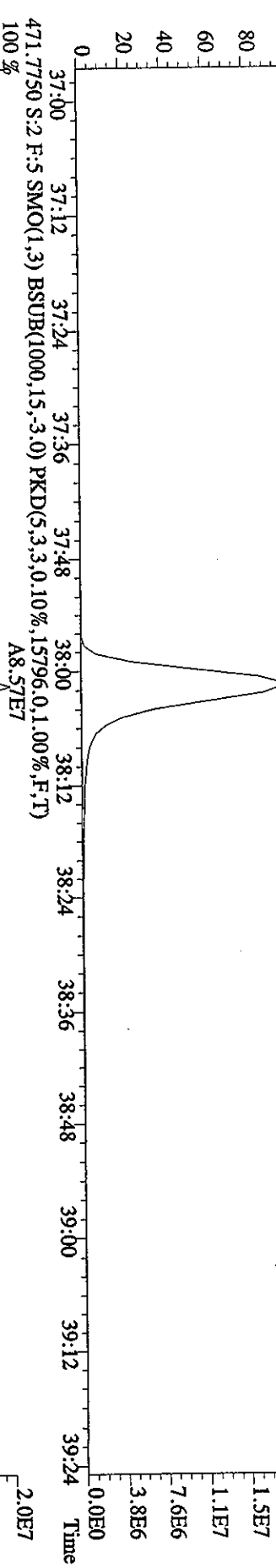
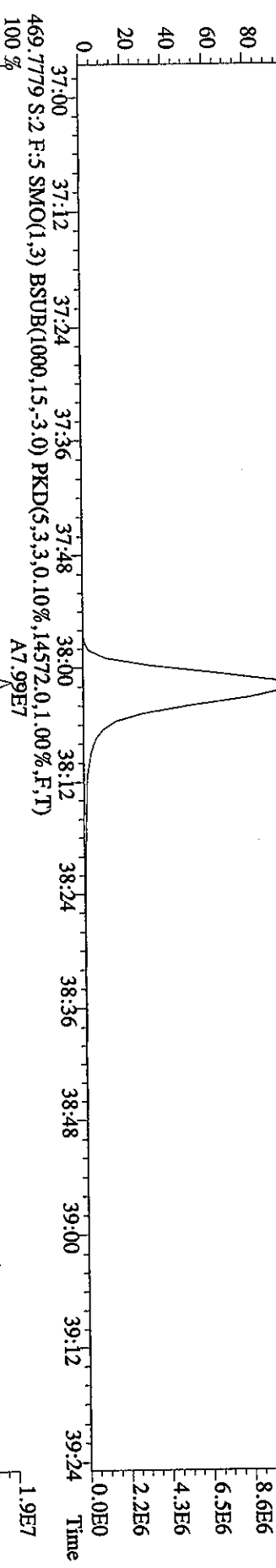
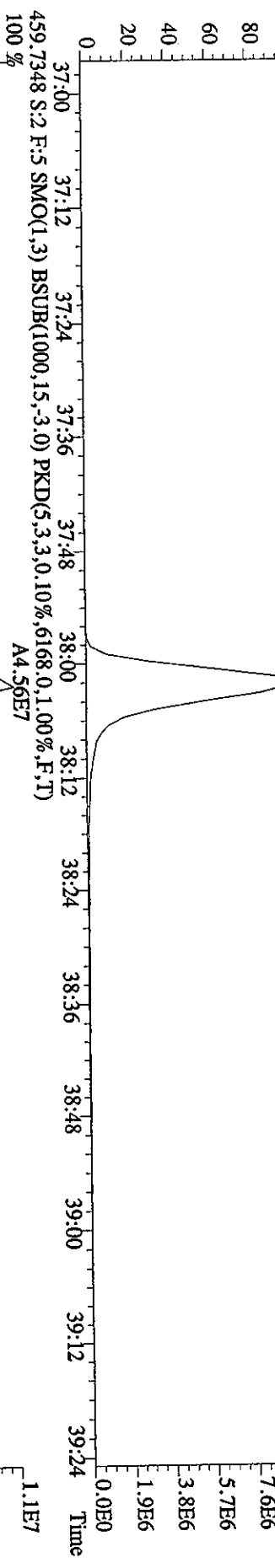
File: 17MR061D5 #1-220 Acq: 17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0317 :CS3 2565-41C Exp: DIOXIN
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10020.0,1.00%,F,T)
 100 % A2.53E7



File:17MAR061D5 #1-179 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13696,0.1,00%,F,T)
 A5.58E7



File:17MR061D5 #1-179 Acq:17-MAR-2006 09:49:22 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST0317 .CS3 2565-41C Exp:DIOXIN
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10148,0.1,00%,F,T)
 100 % A4.12E7



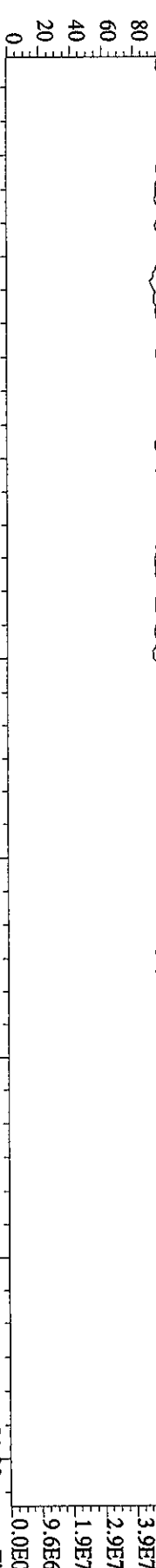
File:17MR061D5 #1-393 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN

292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

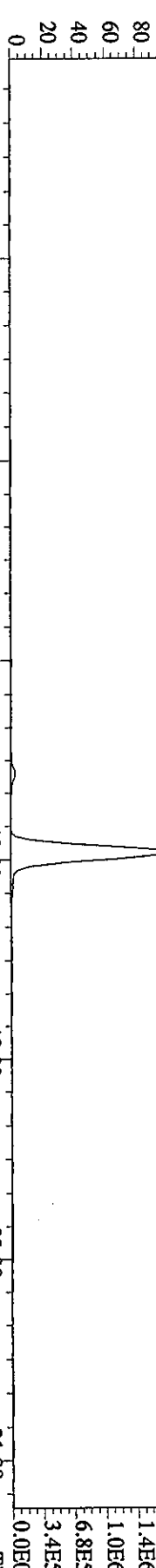
100% 4:11 14:54 15:24 15:52 16:16 16:38 17:13

18:09 18:38 19:01 19:24 20:12 20:39 21:12 4.8E7



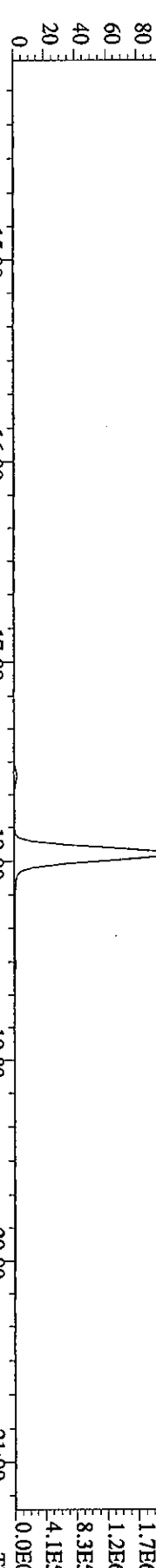
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4416.0,1.00%,F,T)

100% A8.31E6



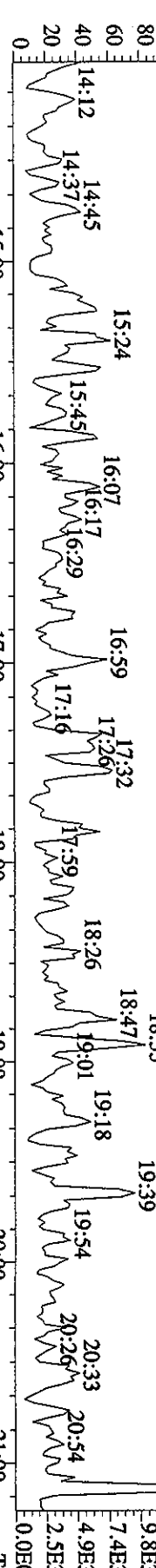
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6192.0,1.00%,F,T)

100% A9.78E6



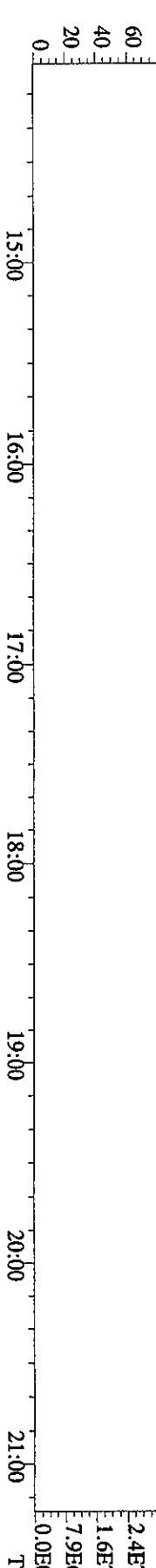
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3740.0,1.00%,F,T)

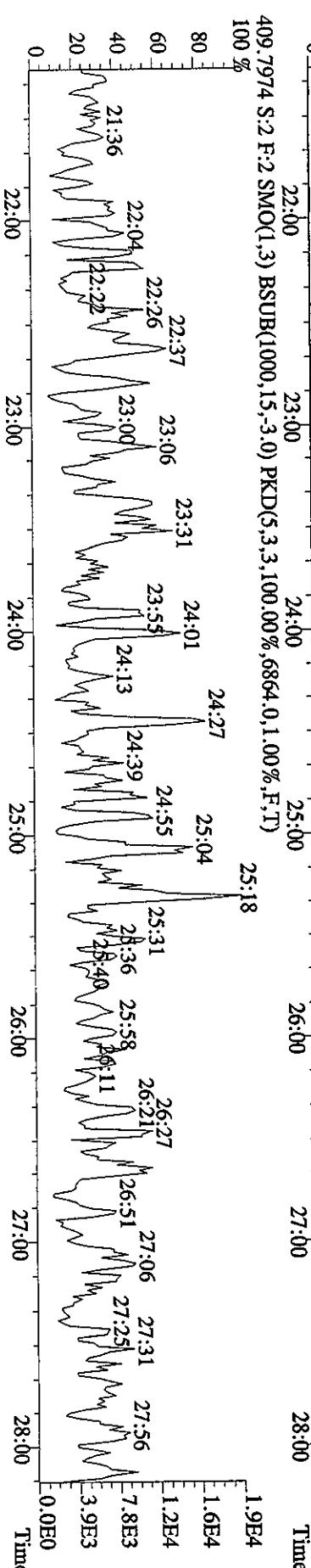
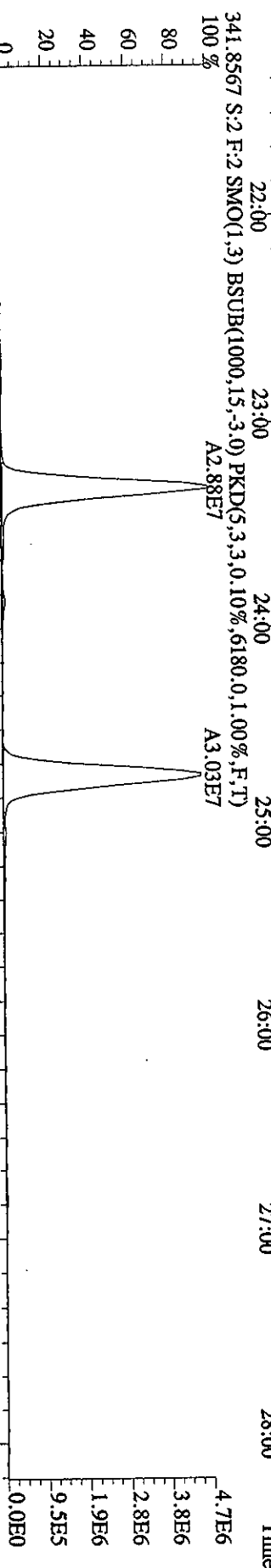
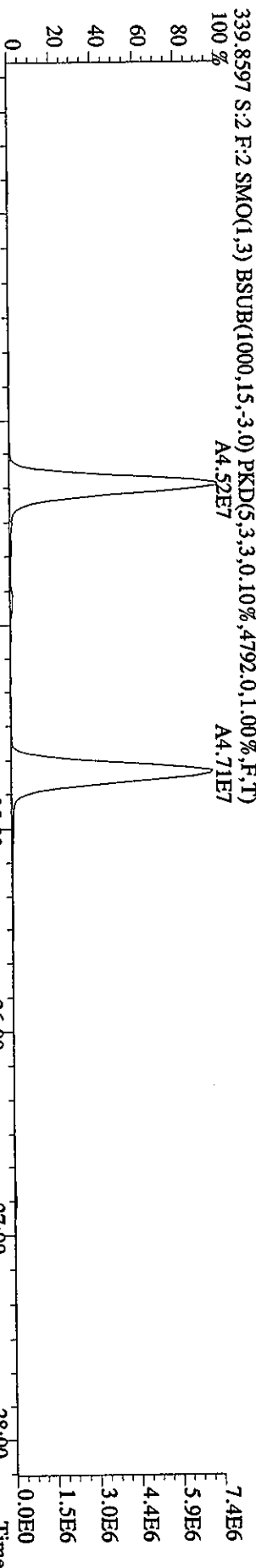
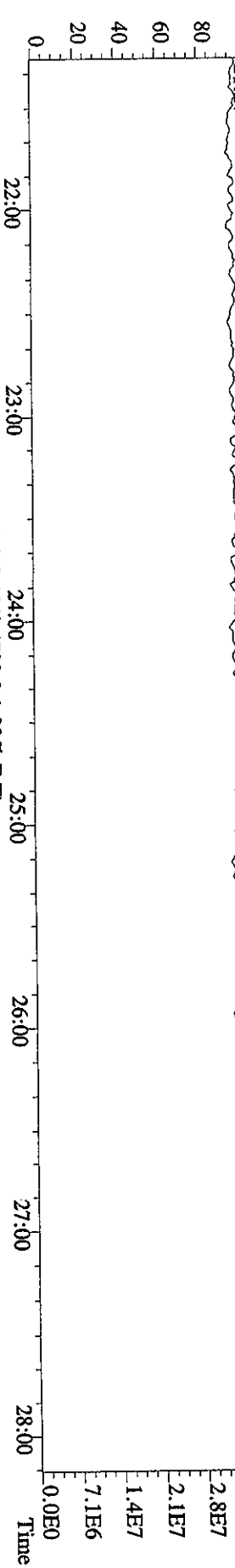
100% 1.2E4

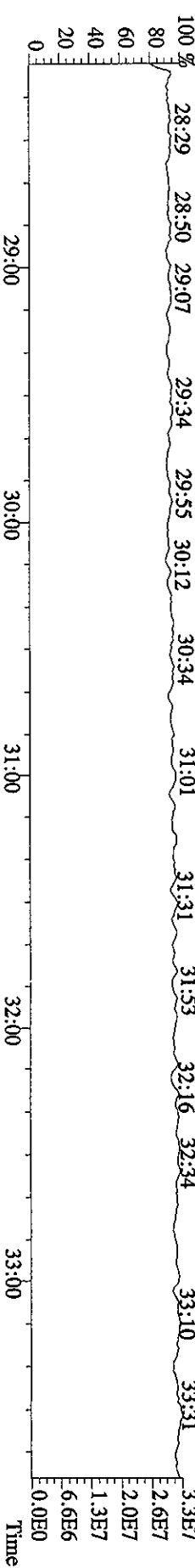
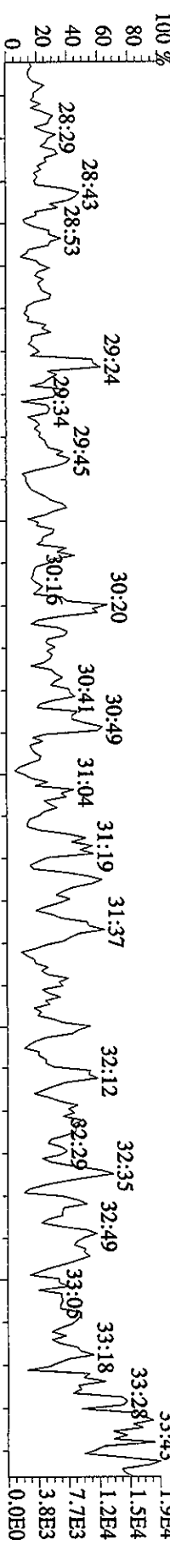
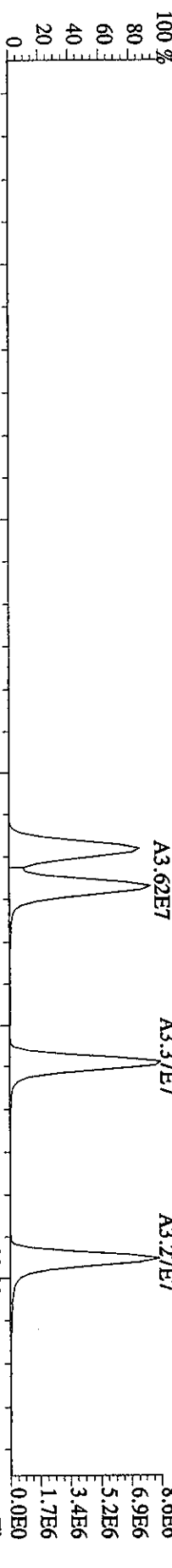
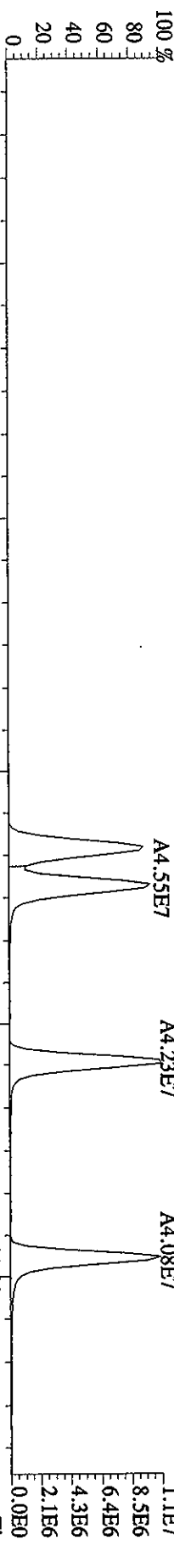
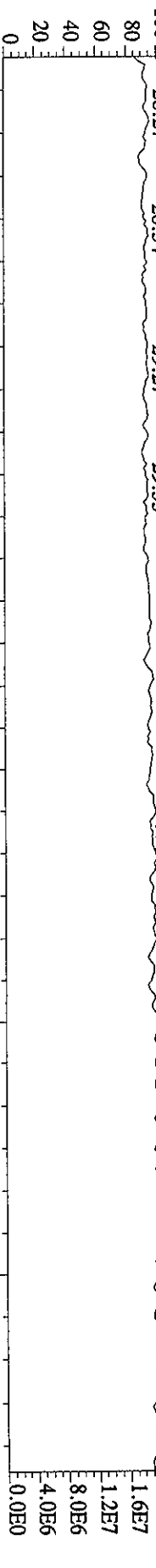


330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 4.0E7



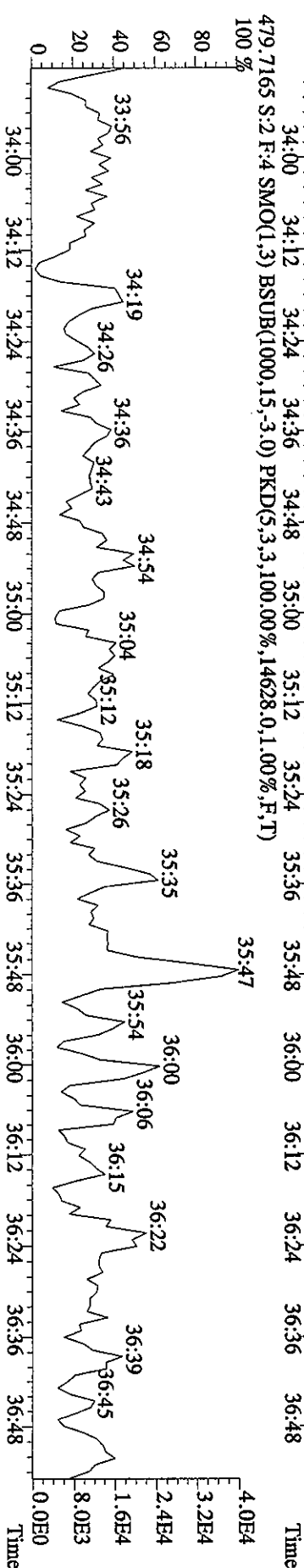
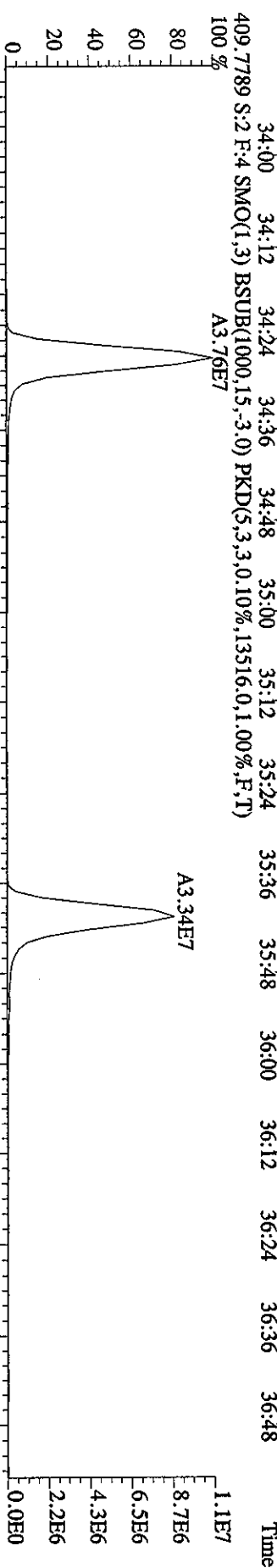
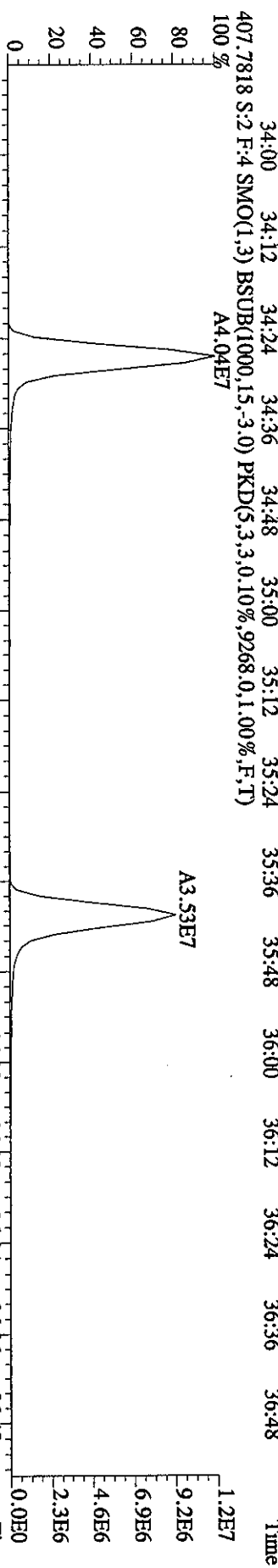
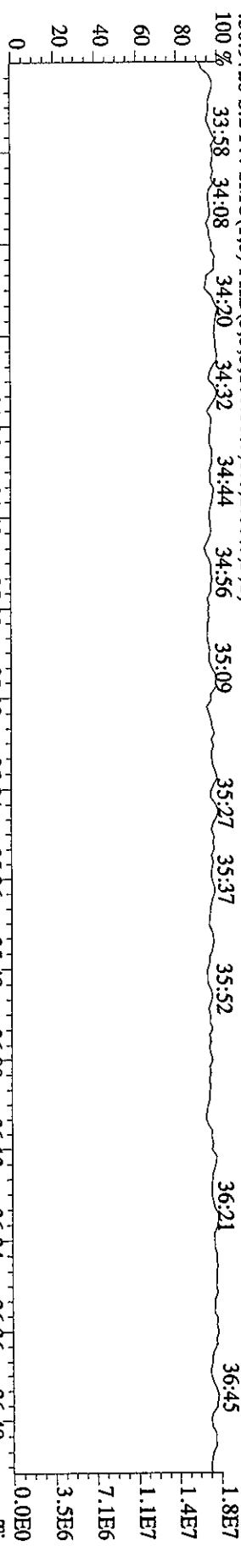




Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN

430.9728 S:2 F:4 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100% 33:58 34:08 34:20 34:32 34:44 34:56 35:09 35:27 35:37 35:52 36:21 36:45

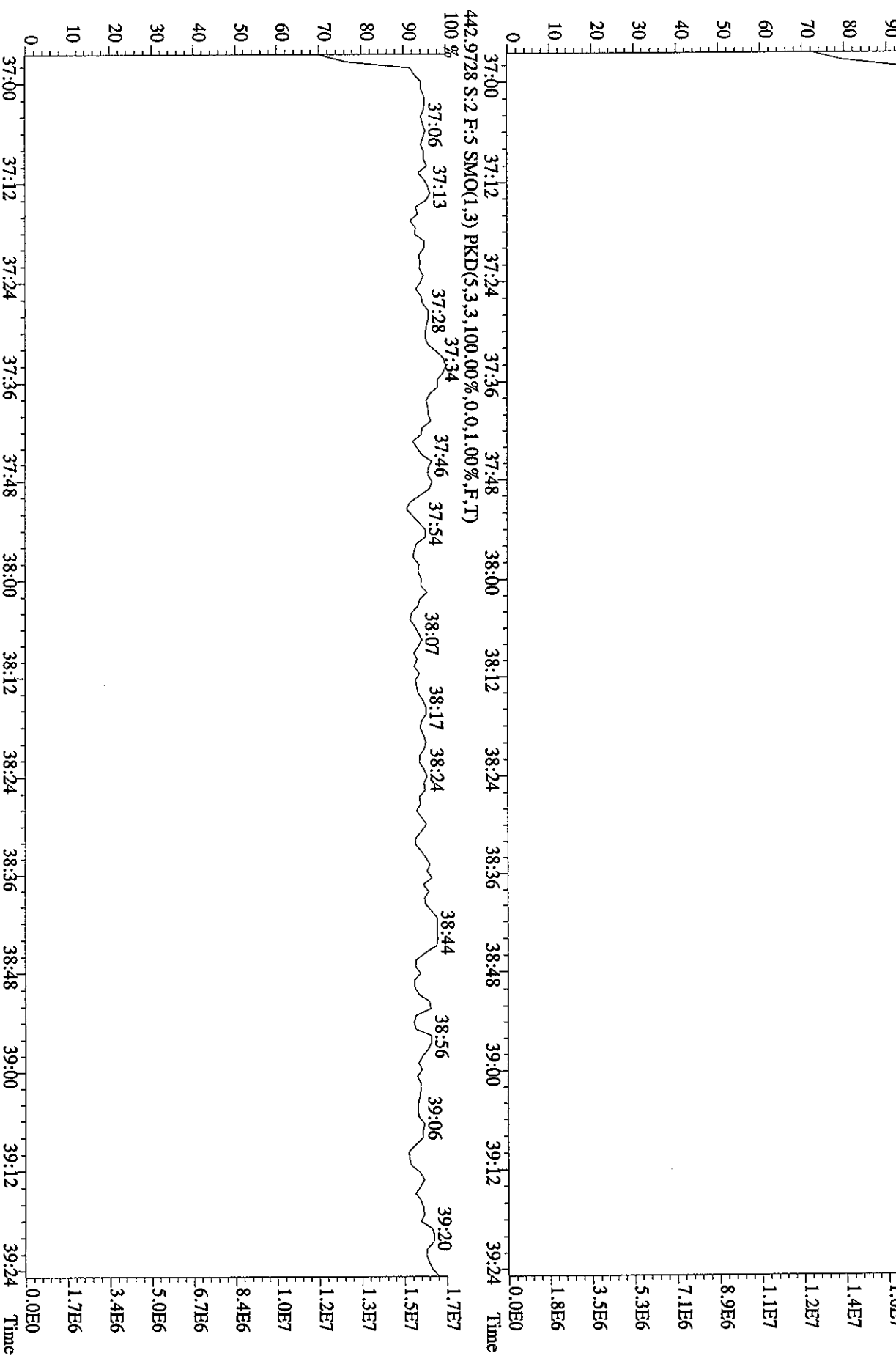


File:17MR061D5 #1-179 Acq:17-MAR-2006 09:49:22 GC EI+ Voltage SIR 70SE

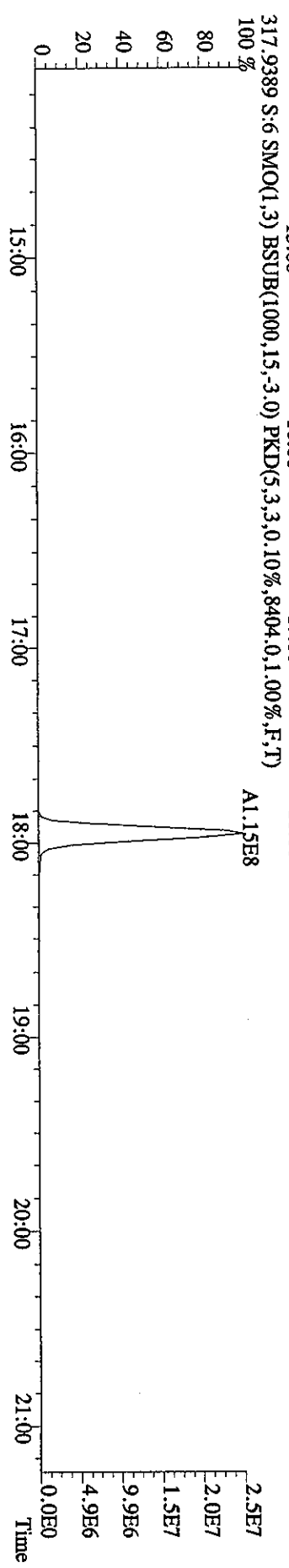
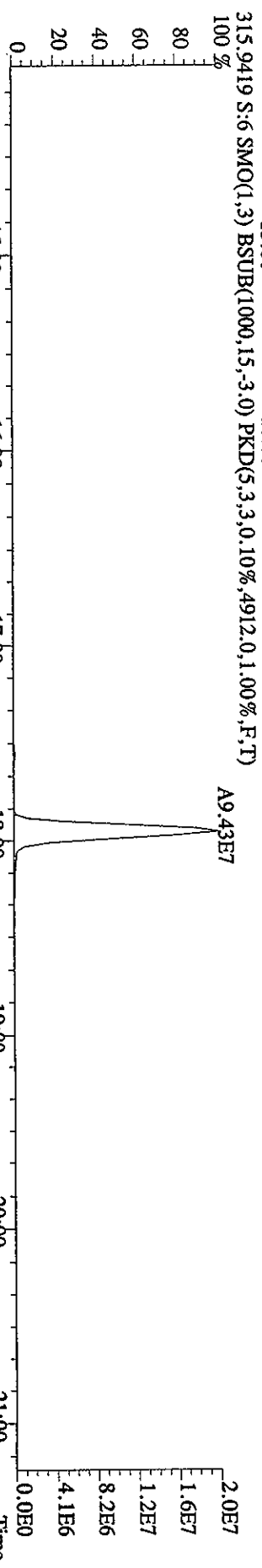
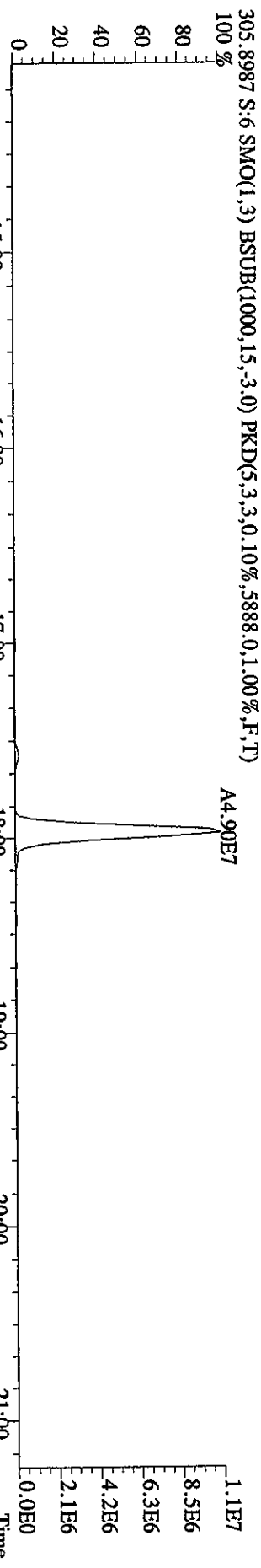
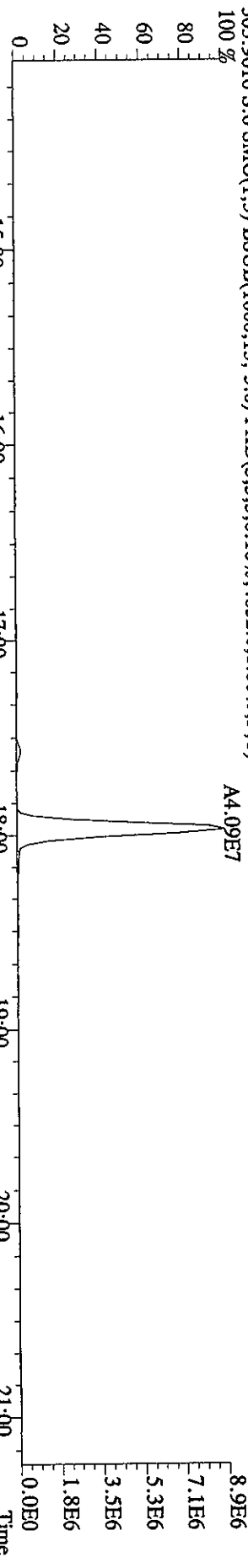
Sample#2 Text:ST0317 :CS3 2565-41C Exp:DIOXIN

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

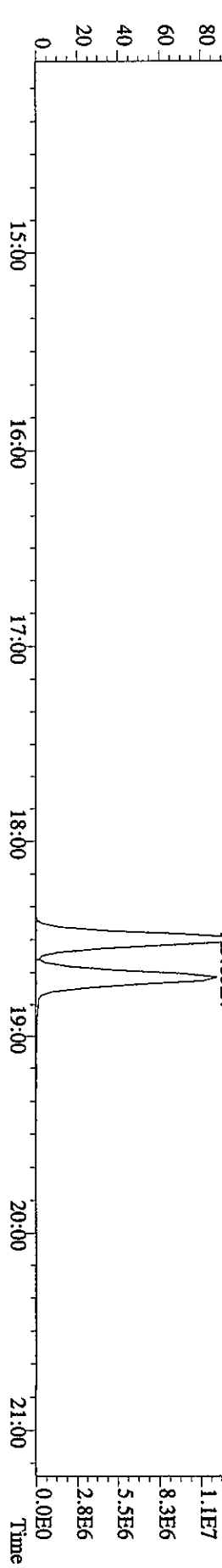
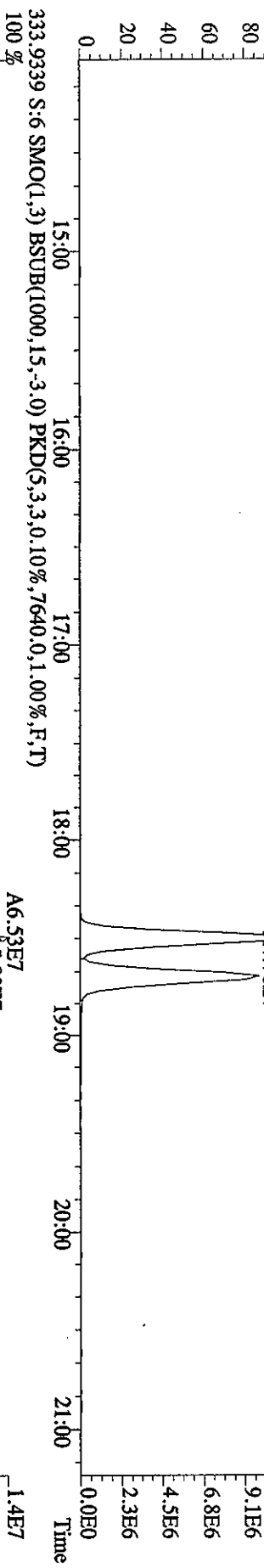
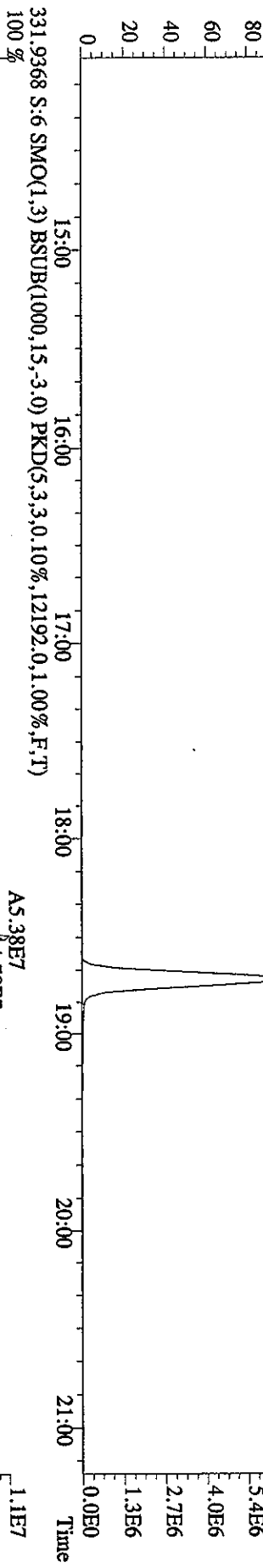
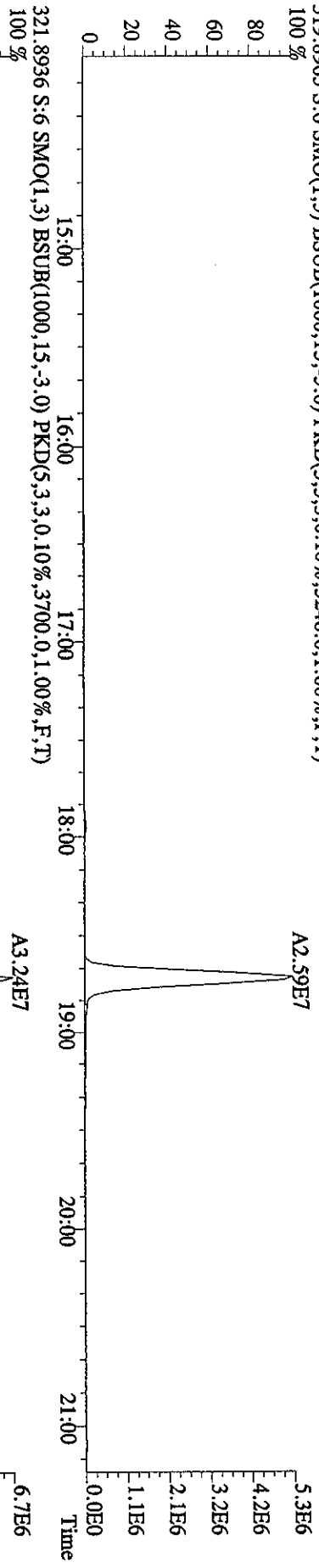
100% 37:02 37:21 37:29 37:37 37:46 37:56 38:04 38:17 38:26 38:34 38:44 38:53 39:05 39:18



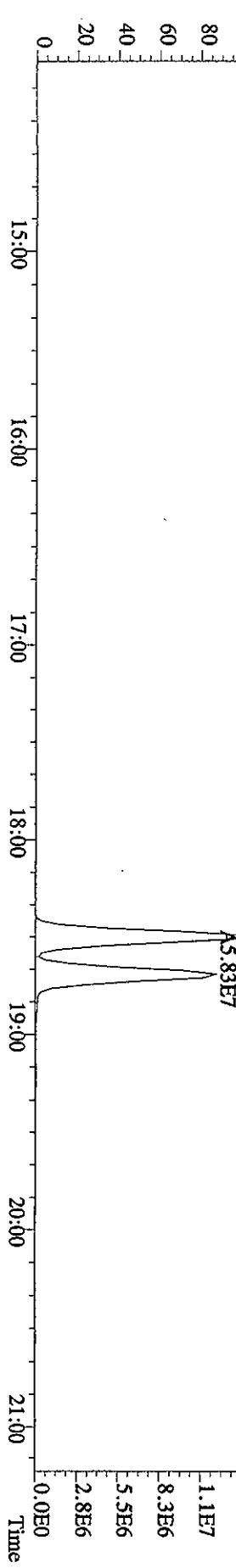
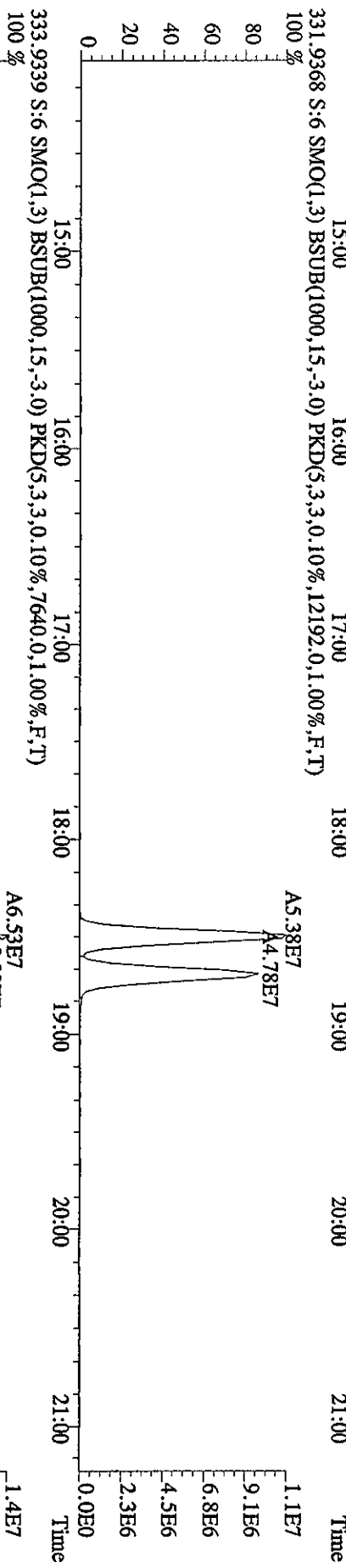
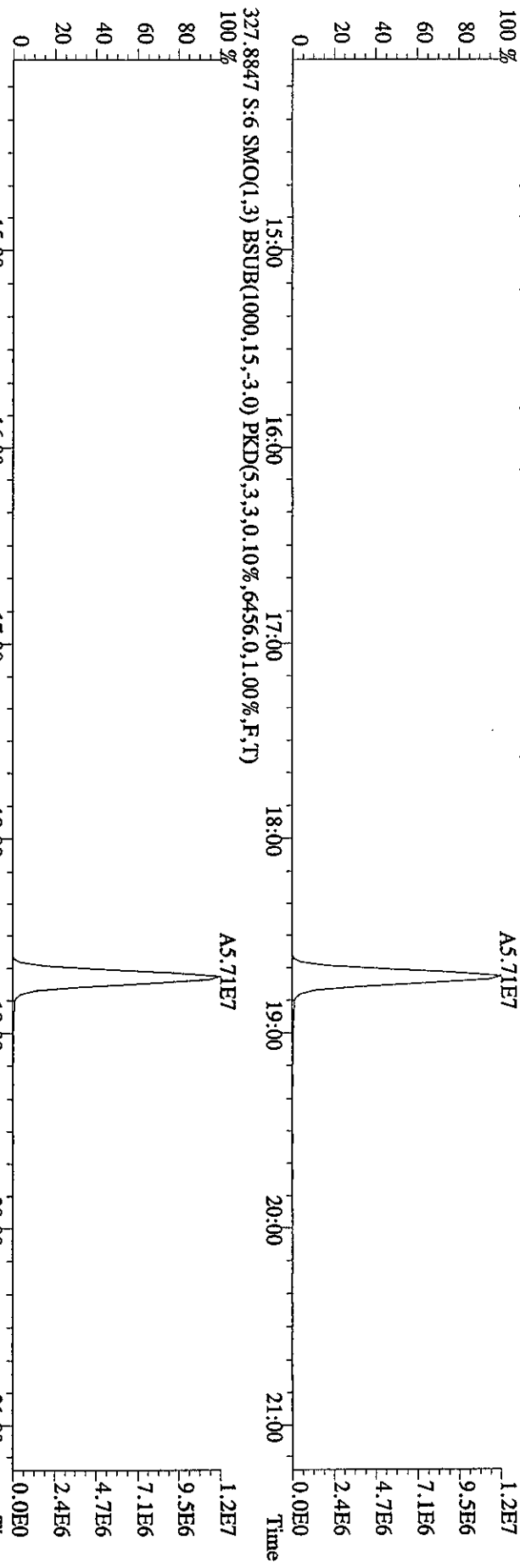
File:17MR061D5 #1-392 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



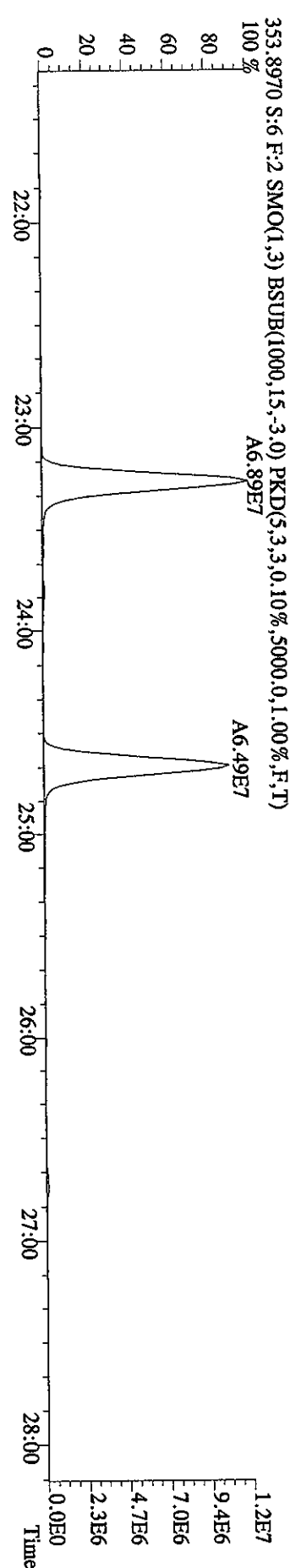
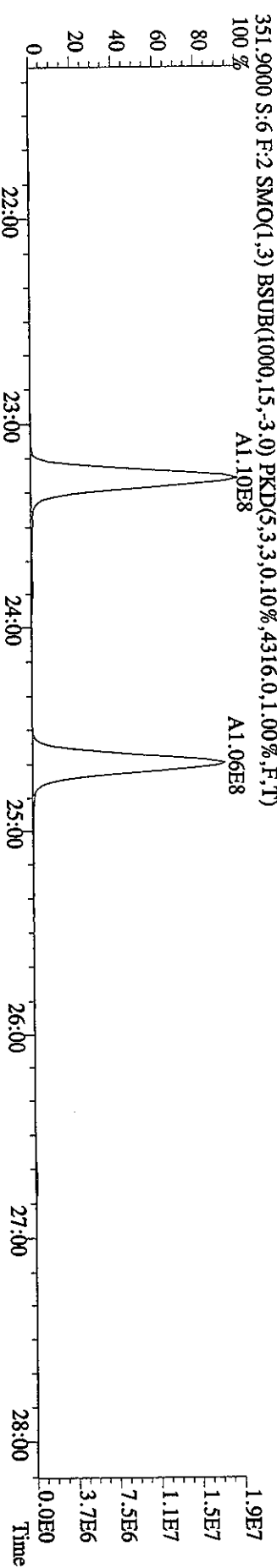
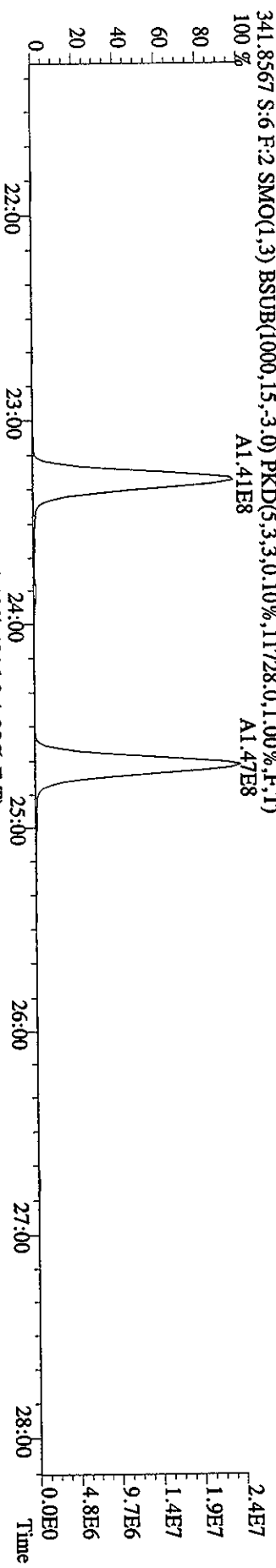
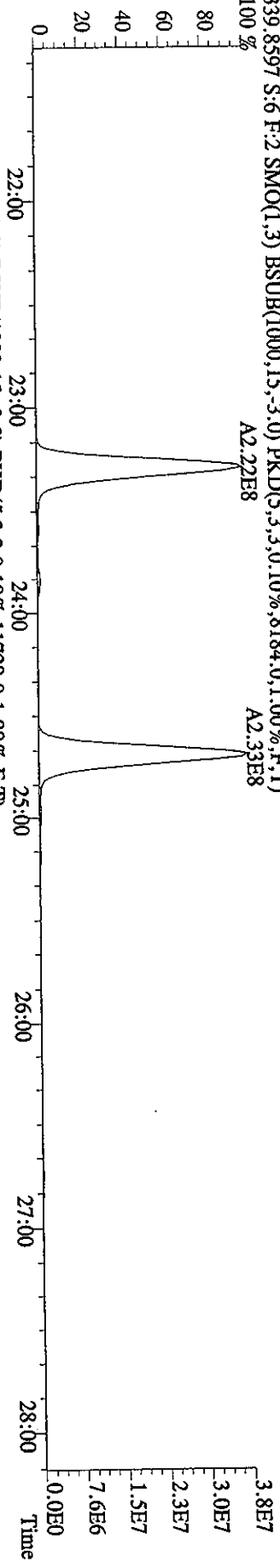
File: 17MR061D5 #1-392 Acq: 17-MAR-2006 12:36:02 GC.EI + Voltage SIR 70SE
 Sample#6 Text: ST0317D :CS4 2565-41D Exp: DIOXIN
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



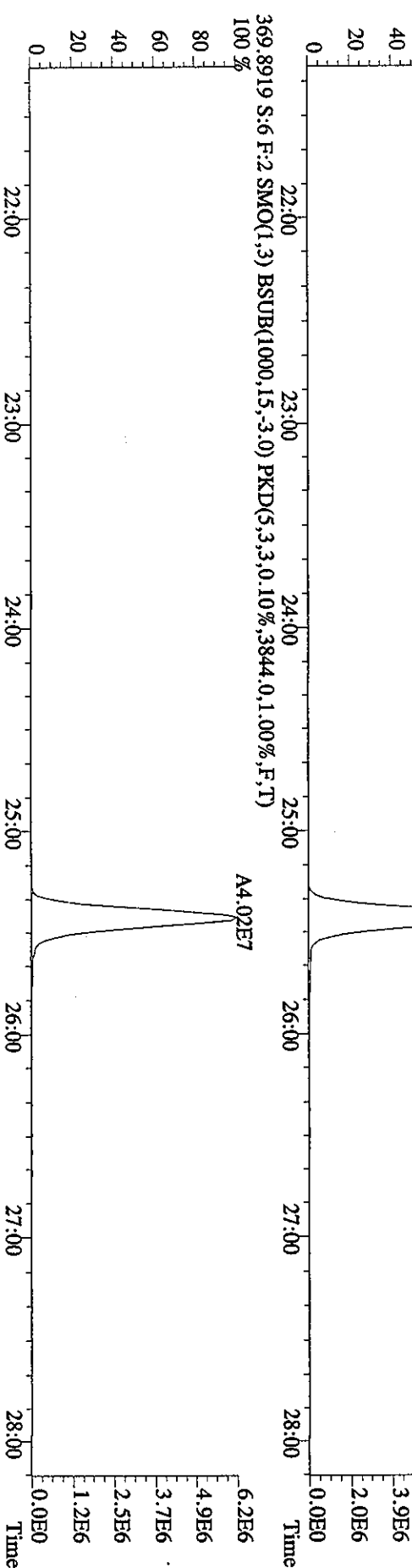
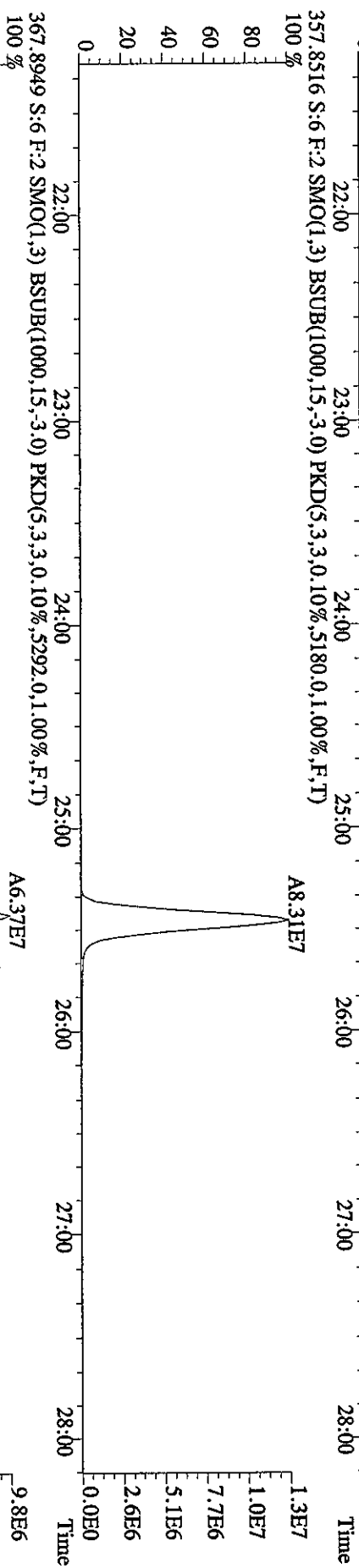
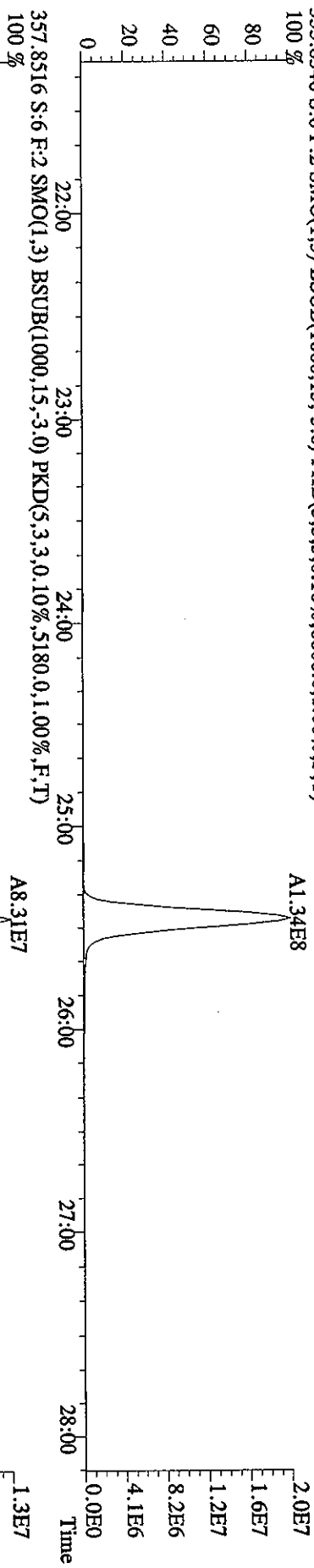
File: 17MR061D5 #1-392 Acq: 17-MAR-2006 12:36:02 GC EI + Voltage SIR 70SE
 Sample#6 Text: ST0317D :CS4 2565-41D Exp: DIOXIN
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6456,0,1,00%,F,T)
 100%



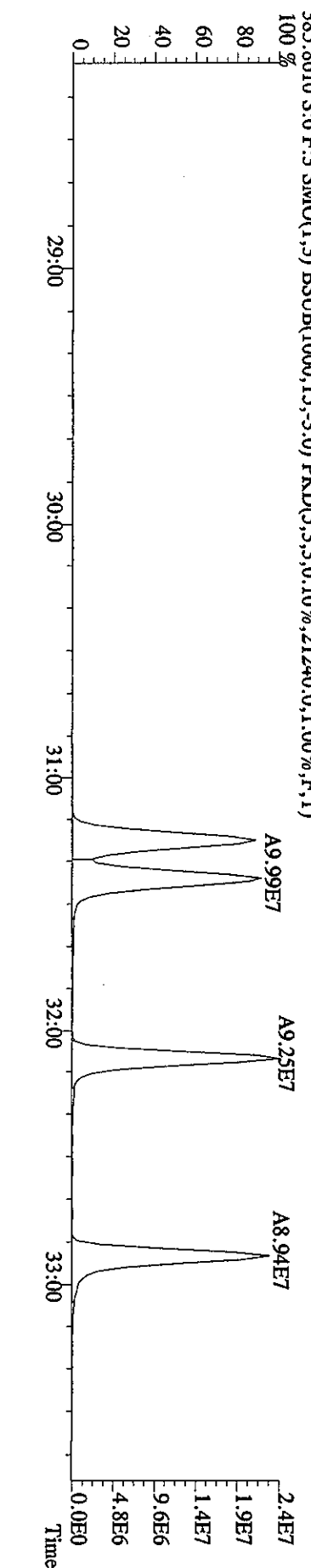
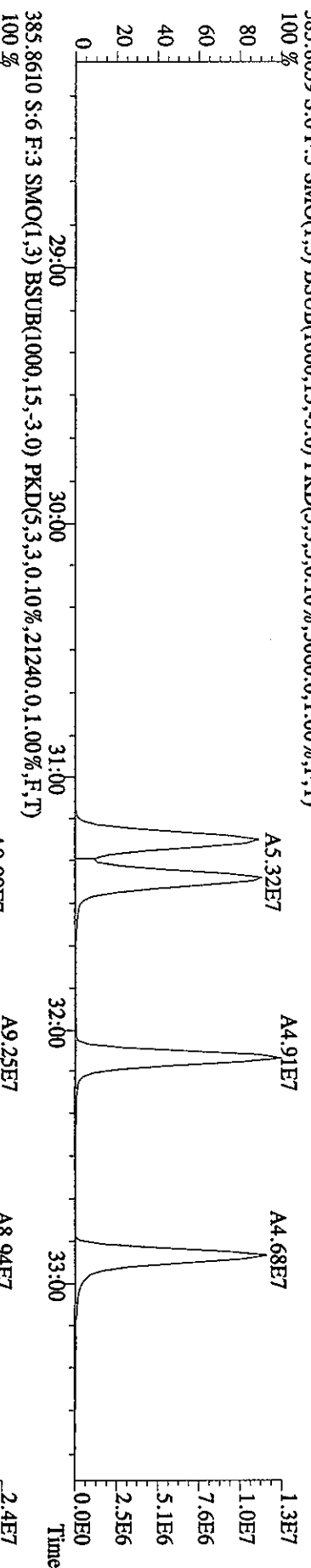
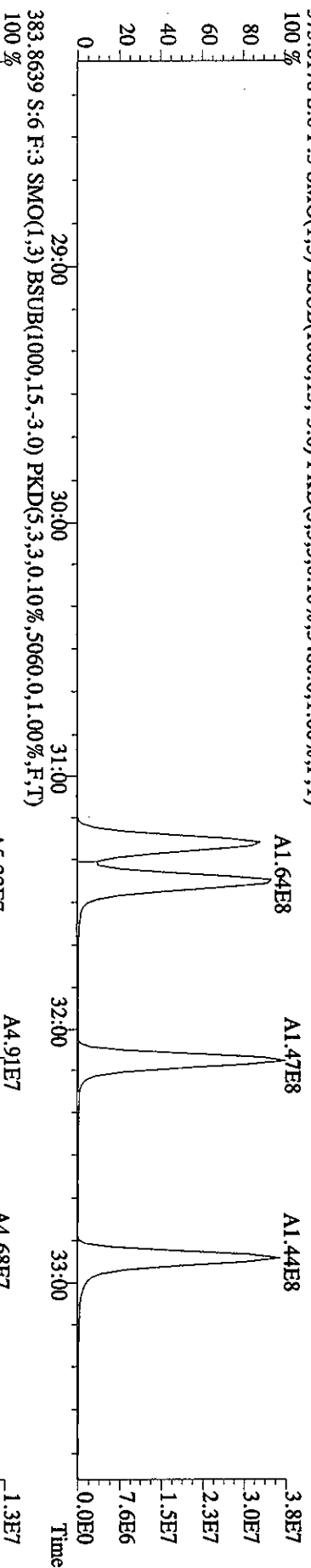
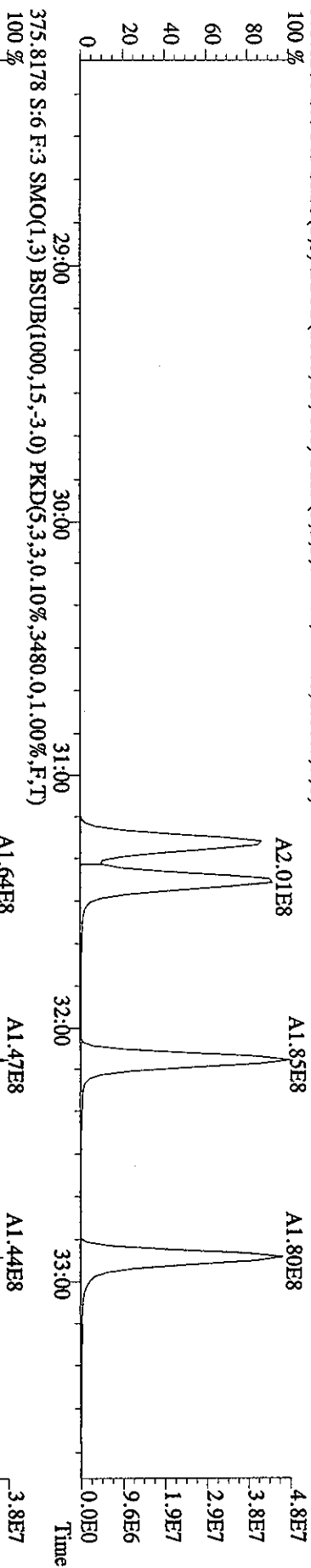
File:17MR061D5 #1-487 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8184,0,1,00%,F,T)
 100% A2.22E8 A2.33E8



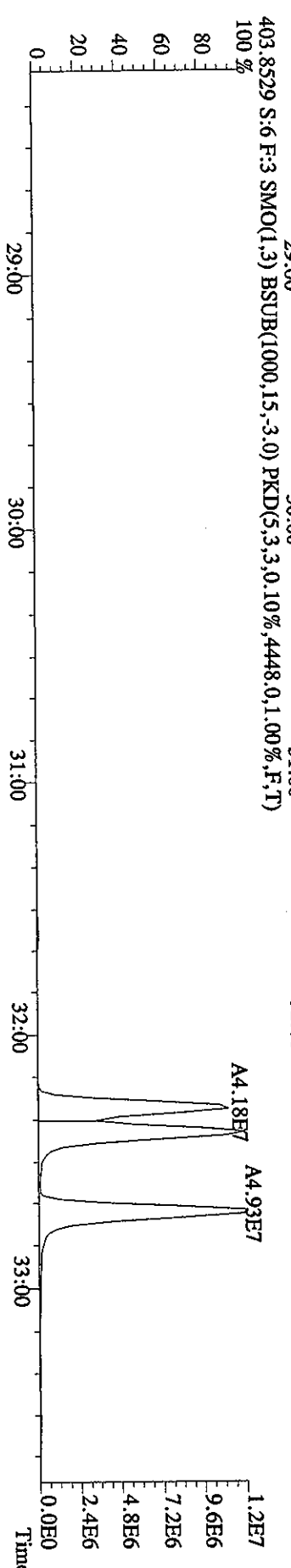
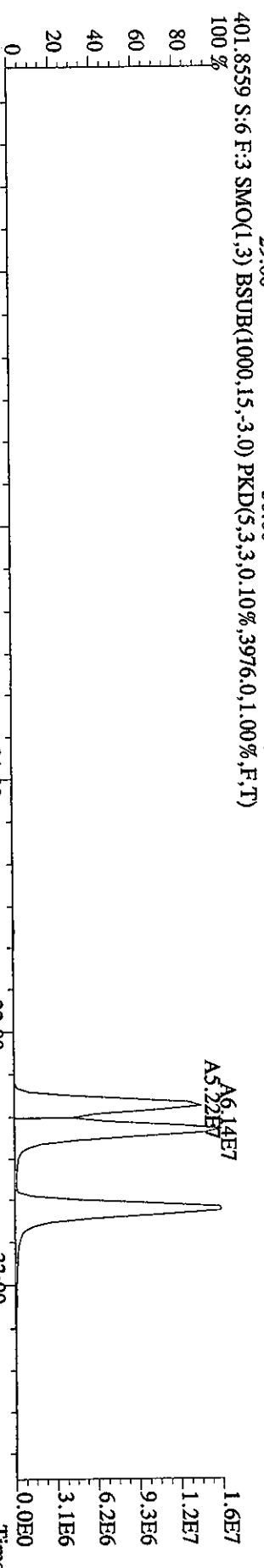
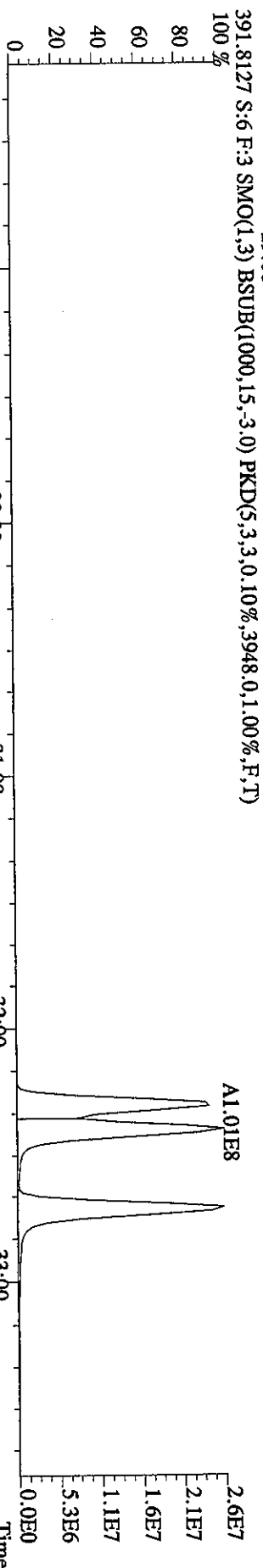
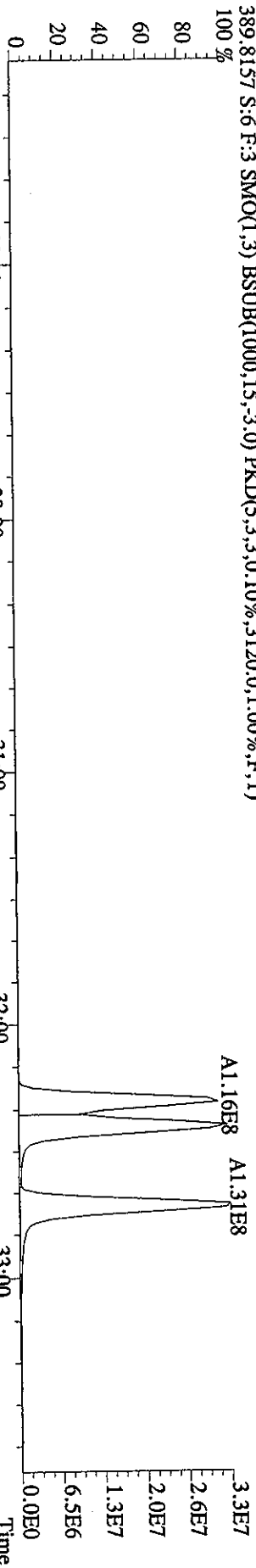
File:17MR061D5 #1-487 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6808,0,1,00%,F,T)
 100 %



File:17MR061D5 #1-375 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7272,0,1,00%,F,T)
 100%



File:17MR061D5 #1-375 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3120,0,1,00%,F,T)



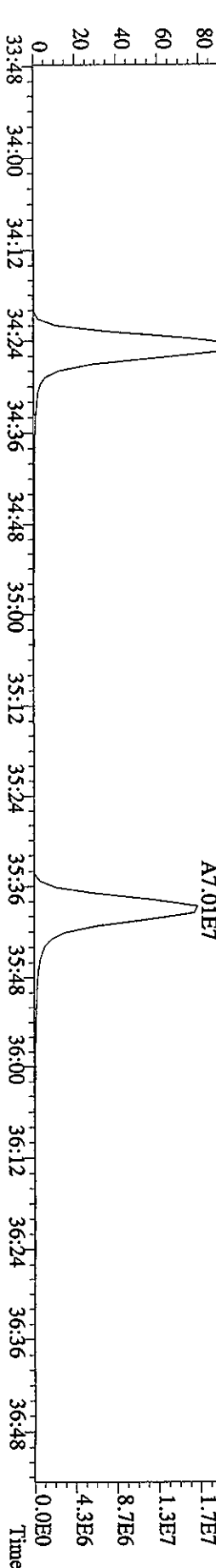
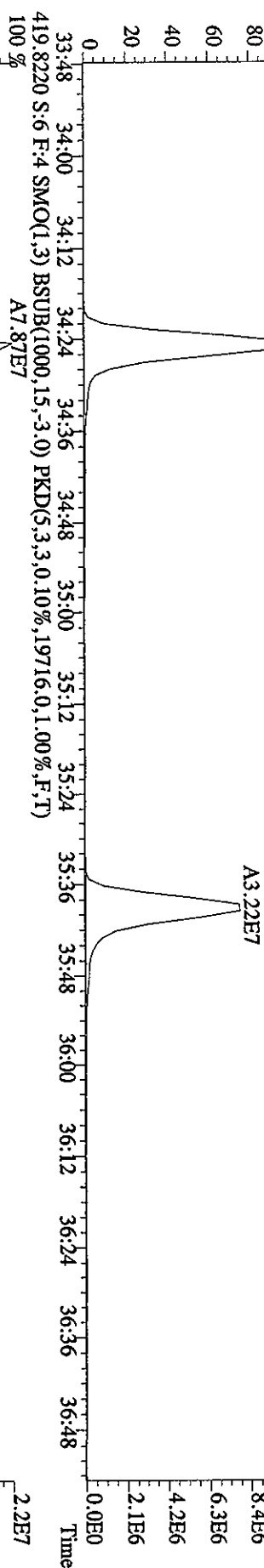
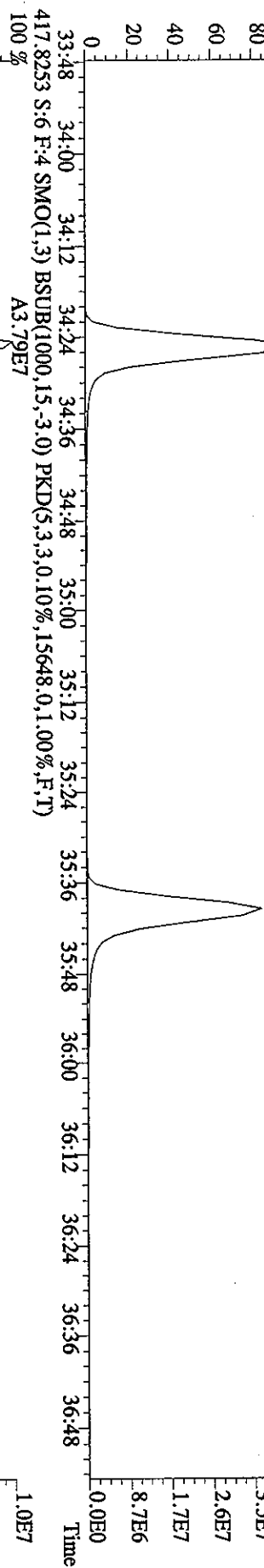
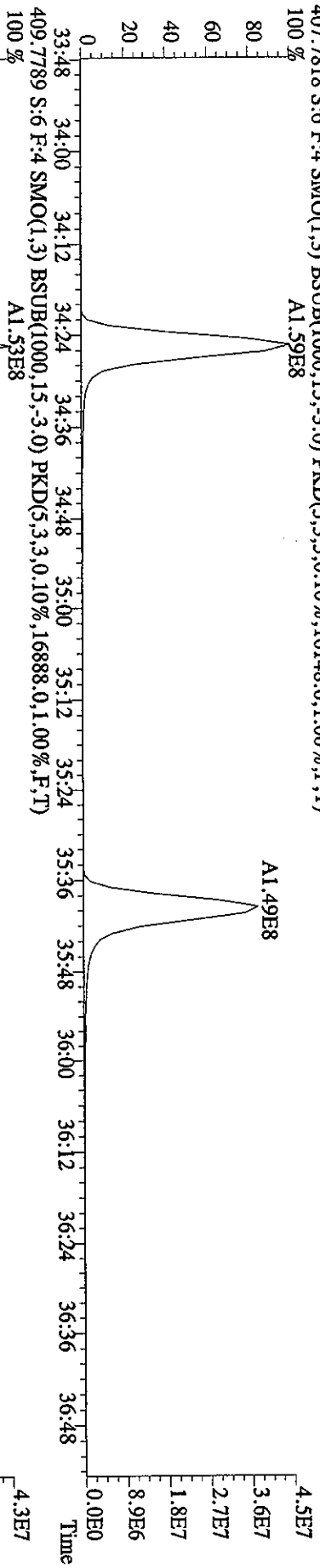
File:17MR061D5 #1-220 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST0317D :CS4 2565-41D

Exp:DIOXIN

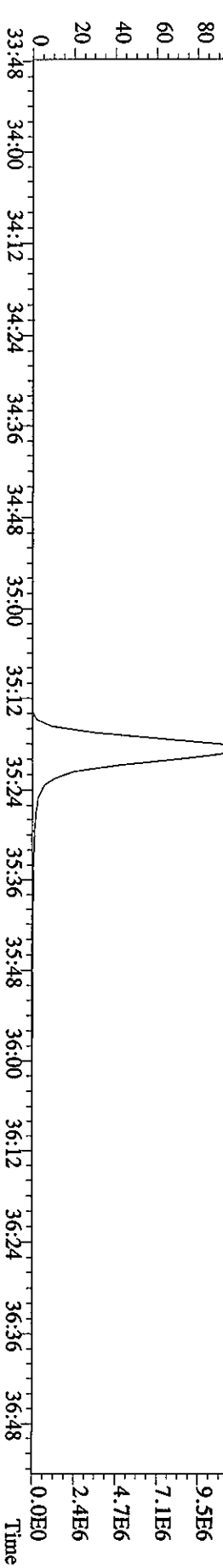
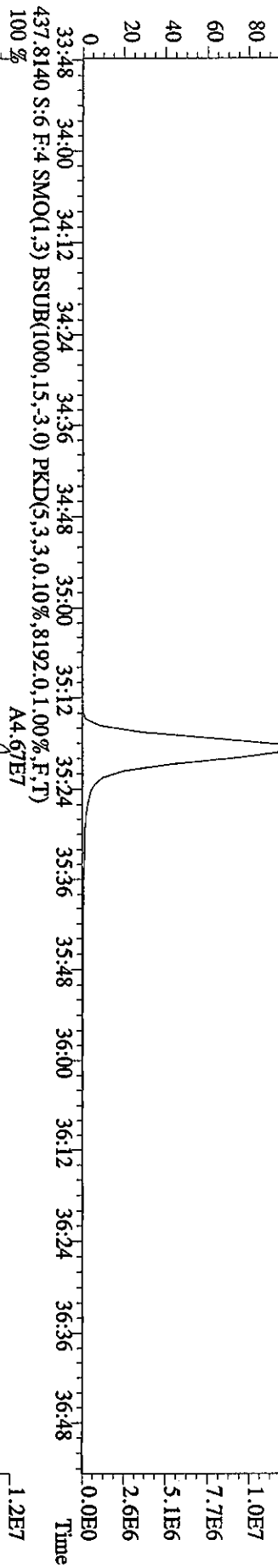
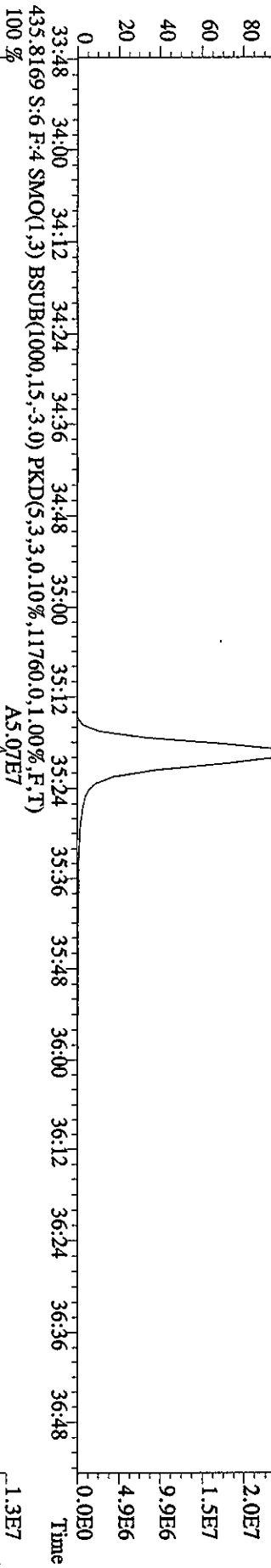
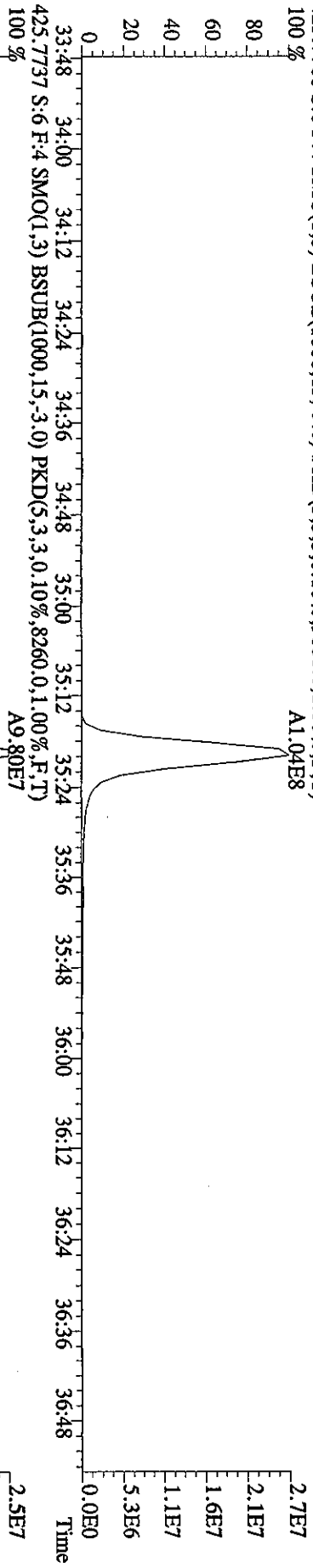
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,16148,0,1,00%,F,T)

100 % A1.59E8

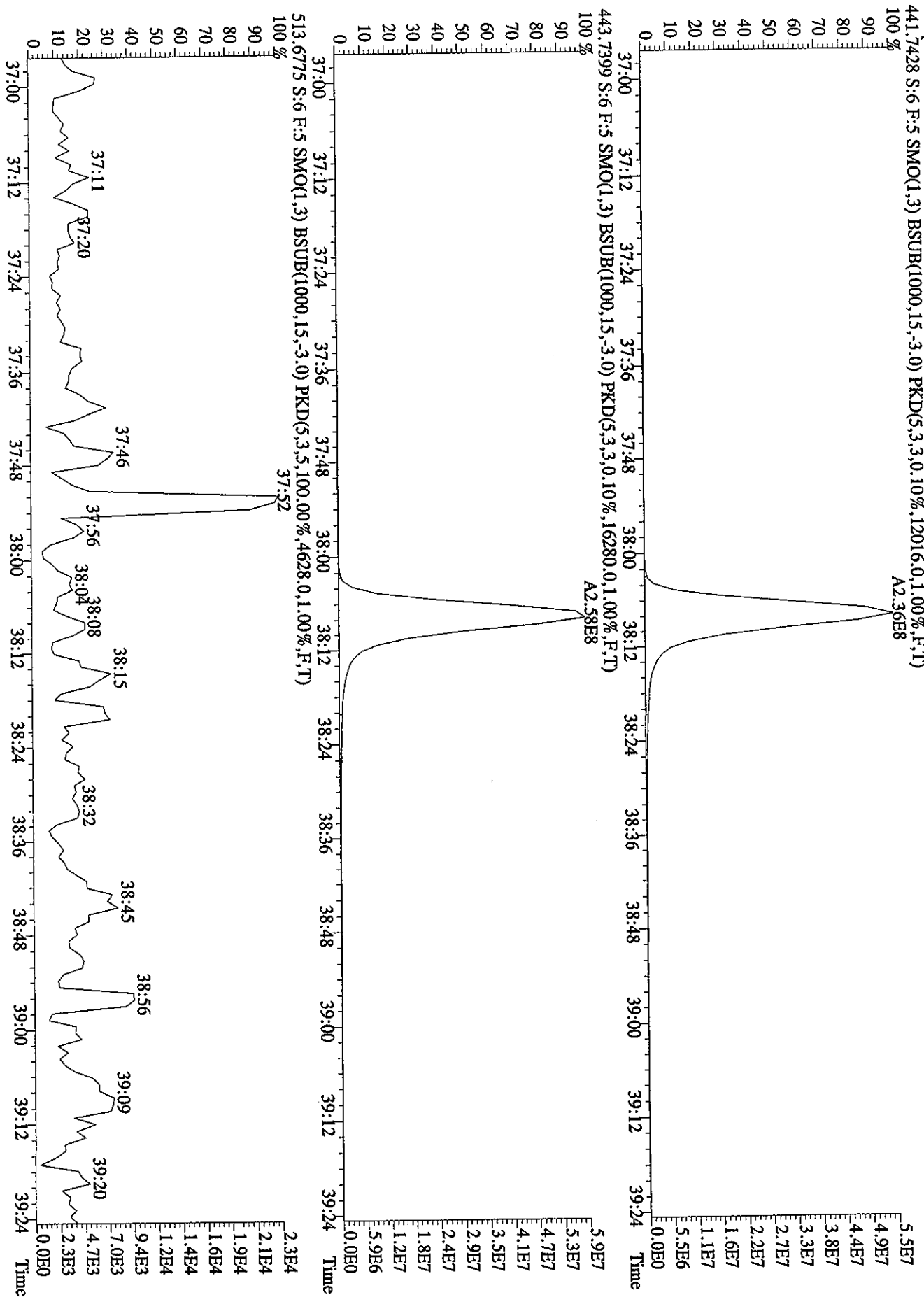


File:17MR061D5 #1-220 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST0317D :CS4 2565.41D Exp:DIOXIN
423.7766 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9688,0,1,00%,F,T)
100% A1.04E8



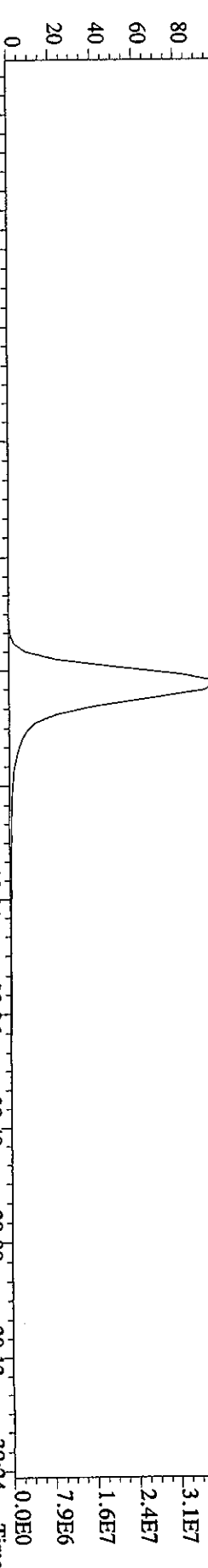
File:17MR061D5 #1-179 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN
 441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12016,0.1,00%,F,T) A2.36E8



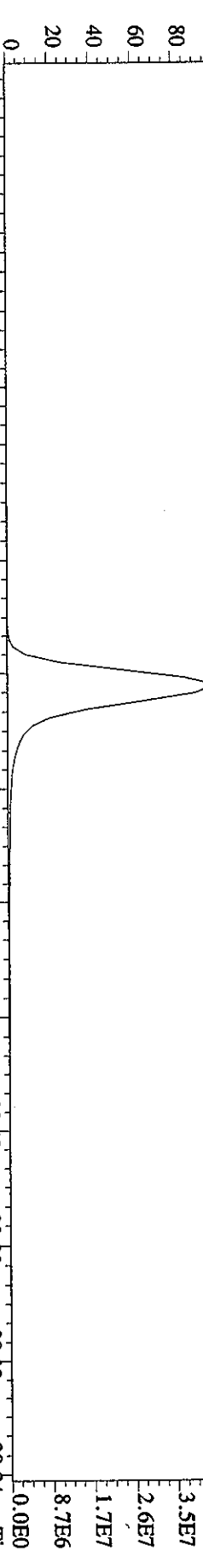
Sample#6 Text:ST0317D :CS4 2565-41D

Exp:DIOXIN

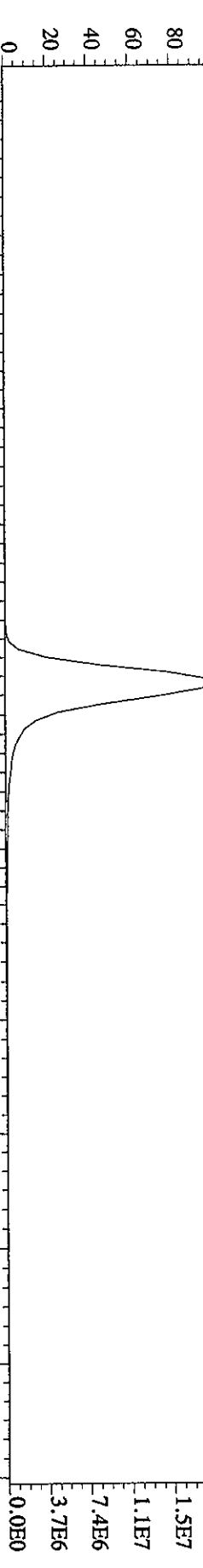
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12556,0,1,00%,F,T)



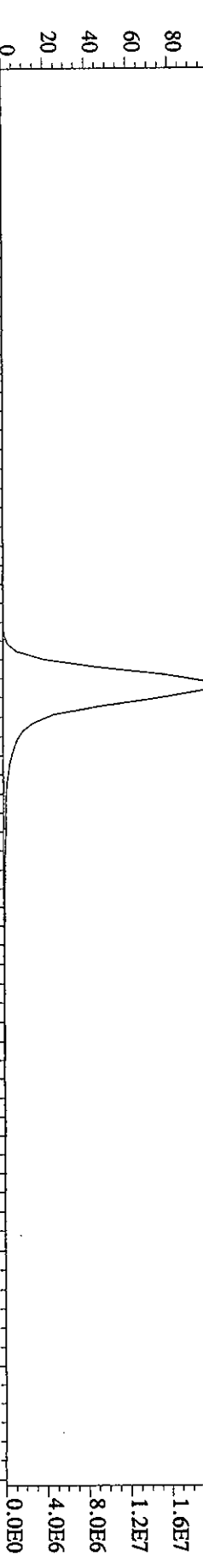
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10752,0,1,00%,F,T)



469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8600,0,1,00%,F,T)



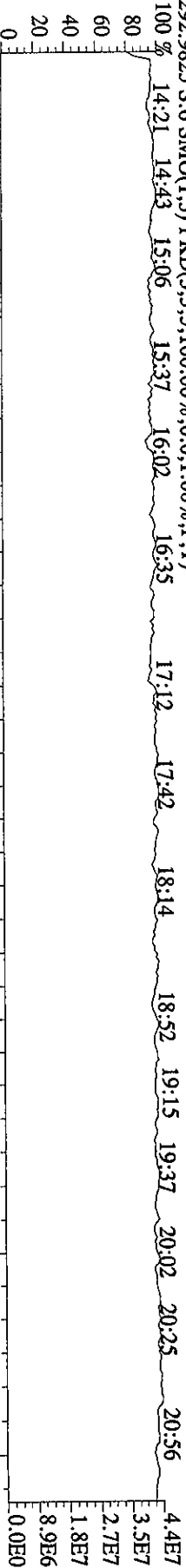
471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9780,0,1,00%,F,T)



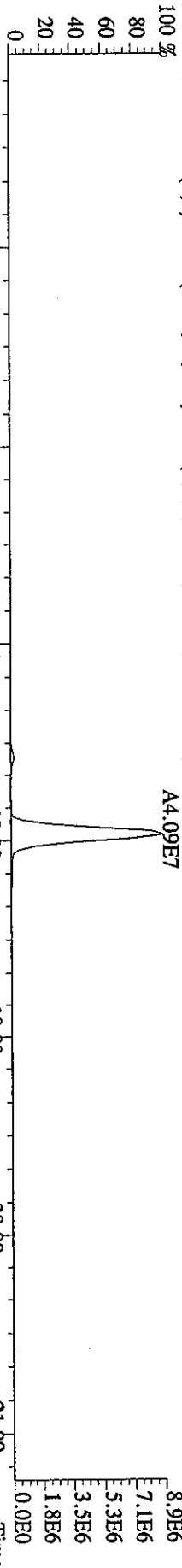
Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN

292.9825 S:6 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)

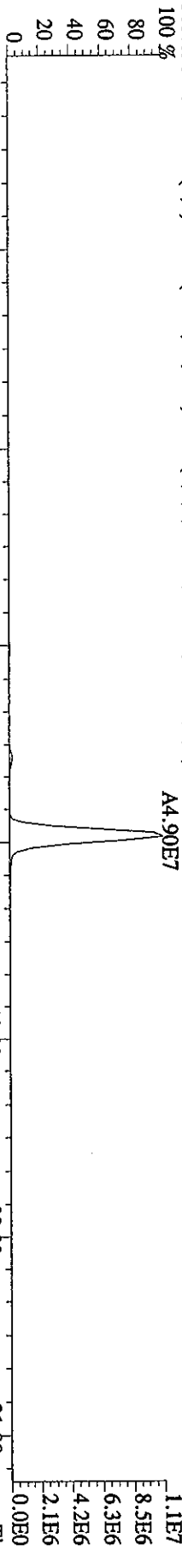
100% 14:21 14:43 15:06 15:37 16:02 16:35 17:12 17:42 18:14 18:52 19:15 19:37 20:02 20:25 20:56



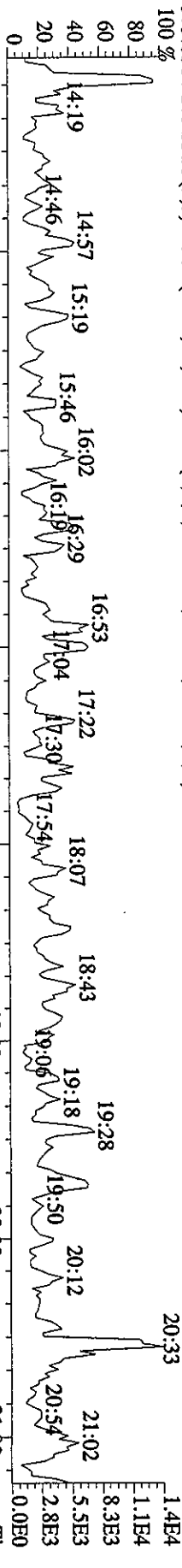
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4832,0,1,00%,F,T)



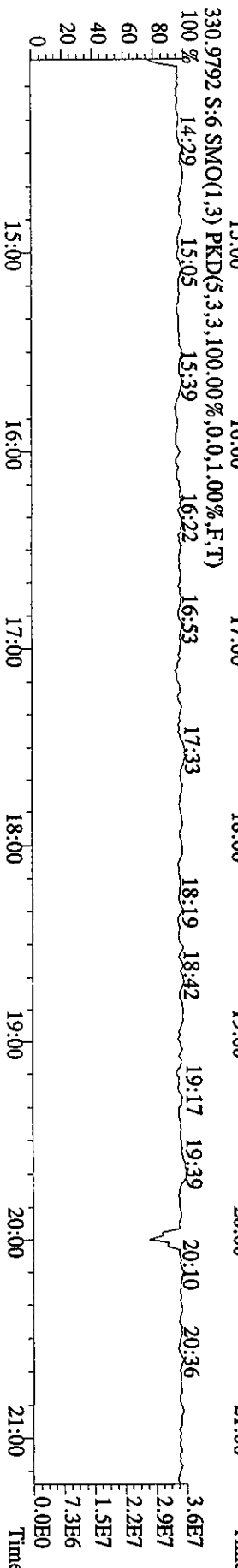
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5888,0,1,00%,F,T)



375.8364 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,3668,0,1,00%,F,T)



330.9792 S:6 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

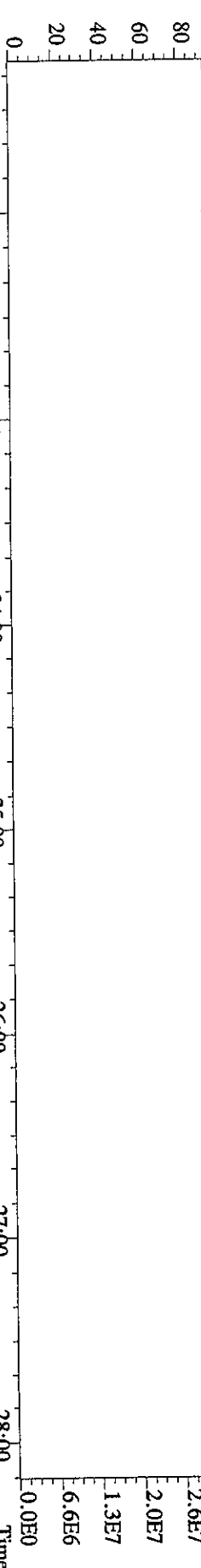


File: 17MR061D5 #1-487 Acq: 17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE

Sample#6 Text: ST0317D :CS4 2565.41D Exp: DIOXIN

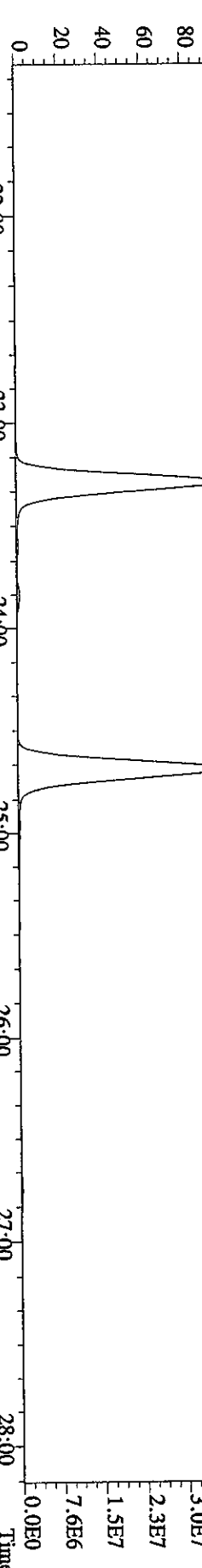
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 21:32 21:56 22:17 22:46 23:44 24:11 24:36 25:02 25:40 26:18 26:57 27:40



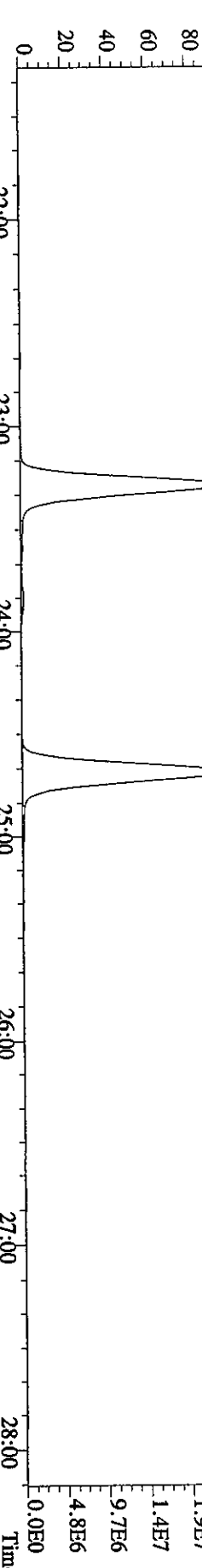
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8184.0,1.00%,F,T)

100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



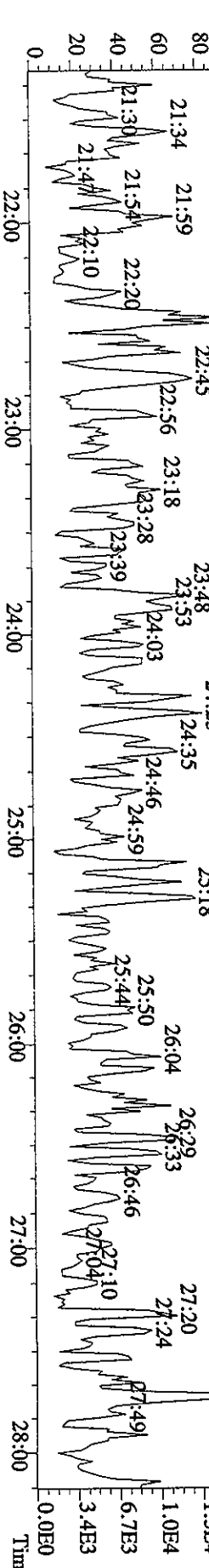
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11728.0,1.00%,F,T)

100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00

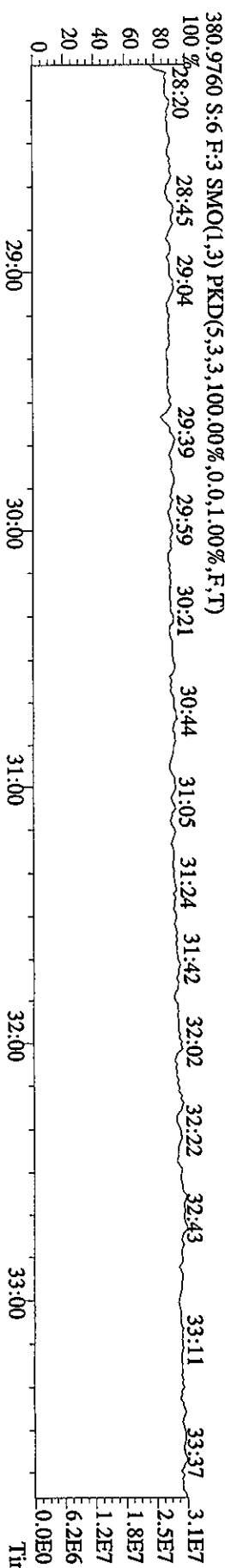
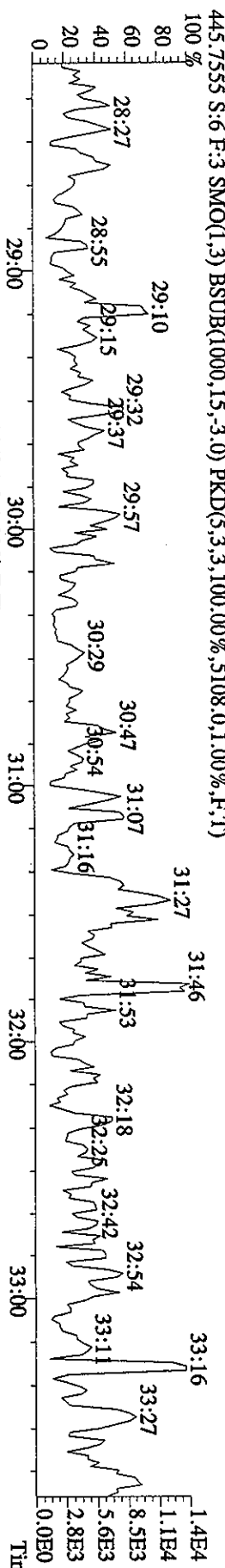
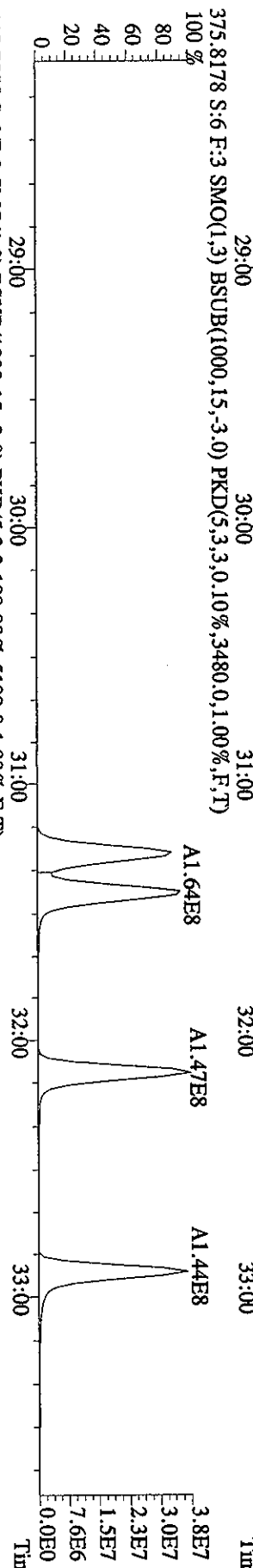
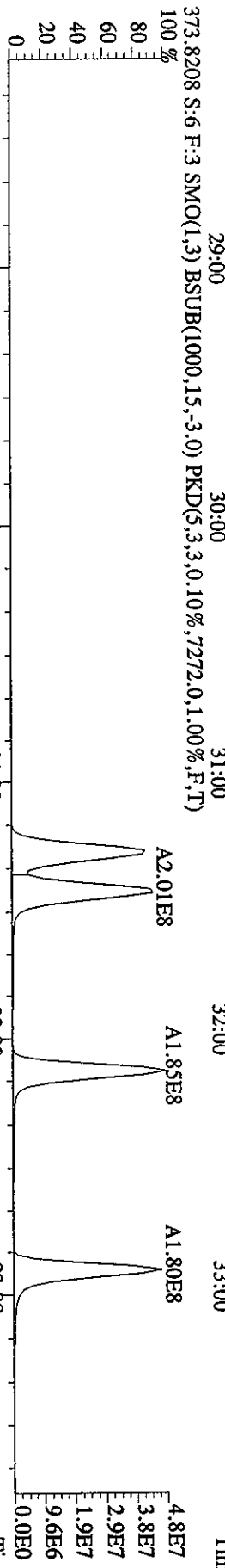
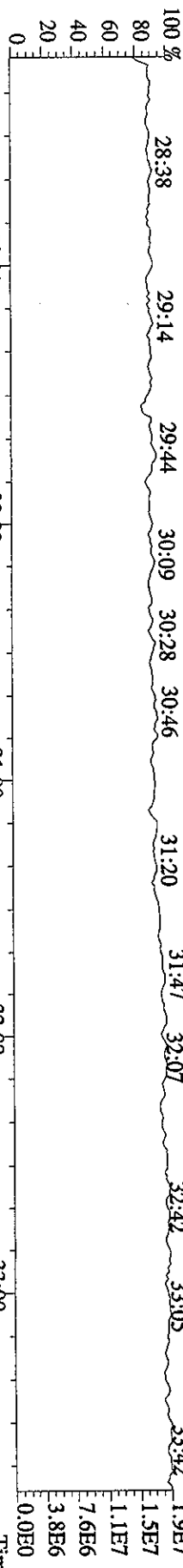


409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,7004.0,1.00%,F,T)

100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN

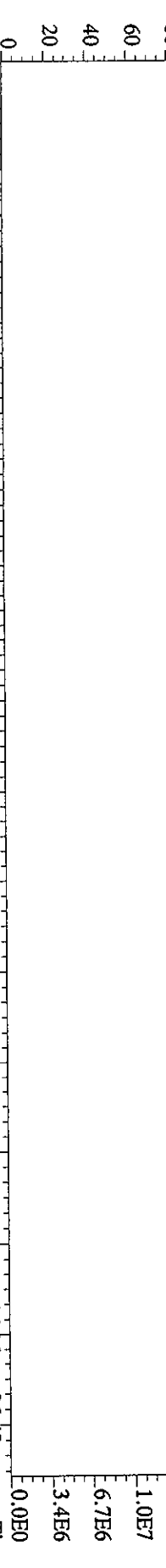


File: I7MR061D5 #1-220 Acq: 17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE

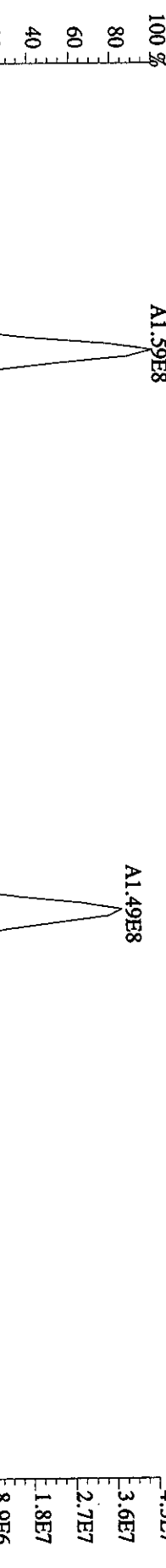
Sample#6 Text: ST0317D :CS4 2565.41D Exp: DIOXIN

430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

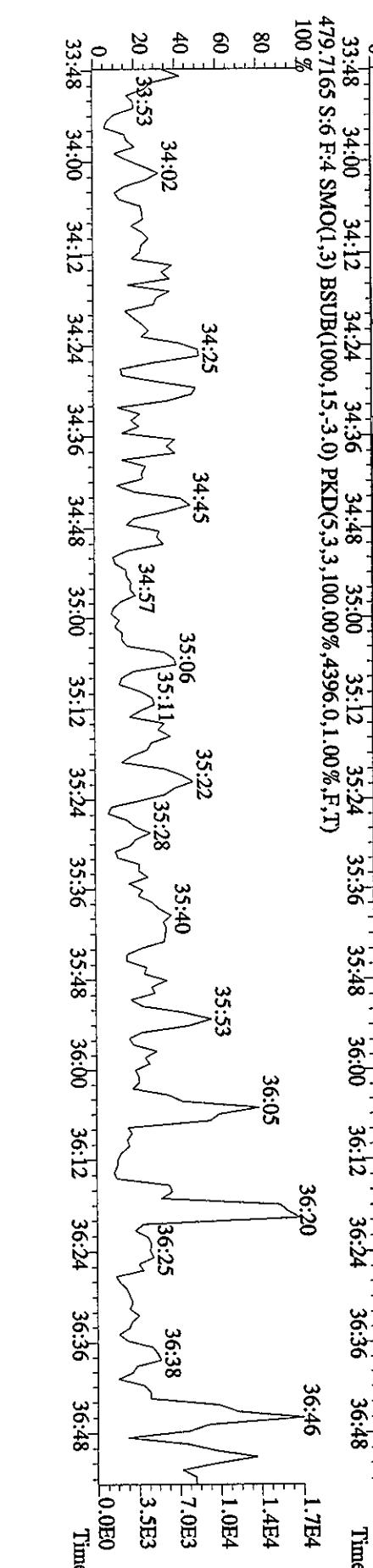
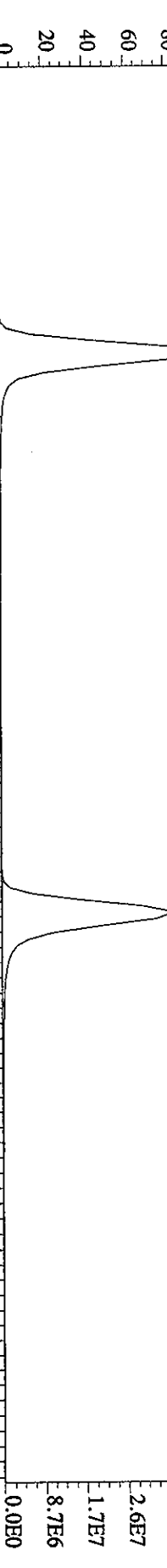
100.293:52 34:04 34:17 34:31 34:42



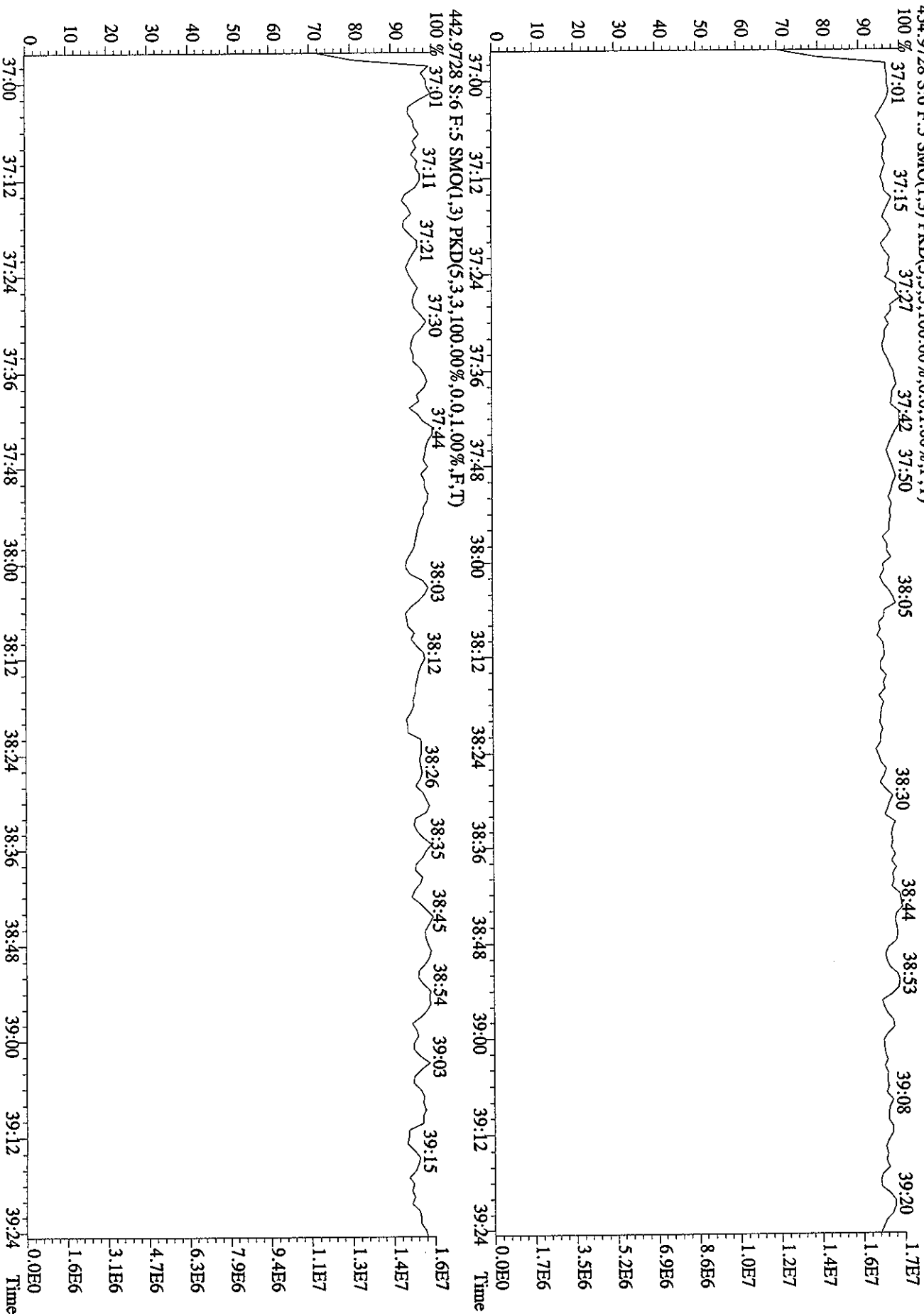
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,16148,0,1,00%,F,T)



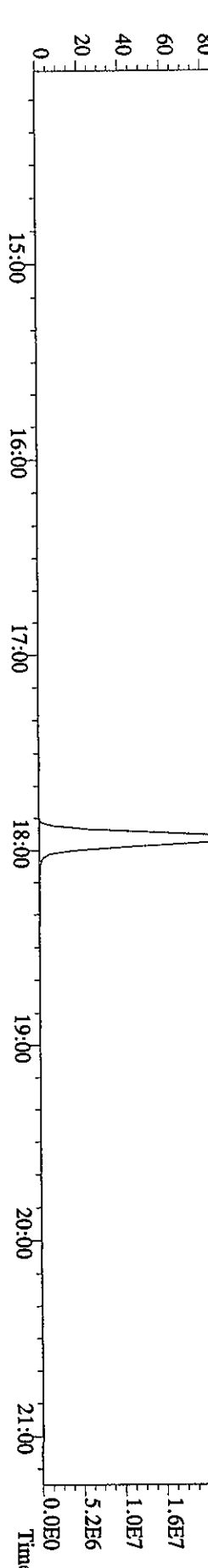
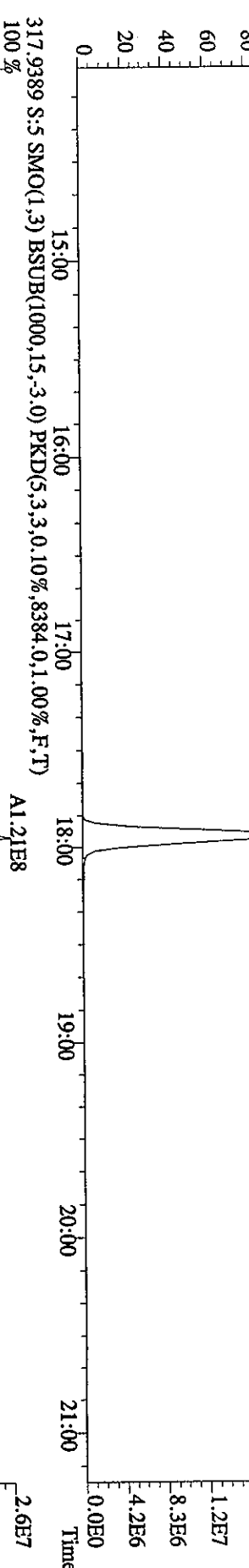
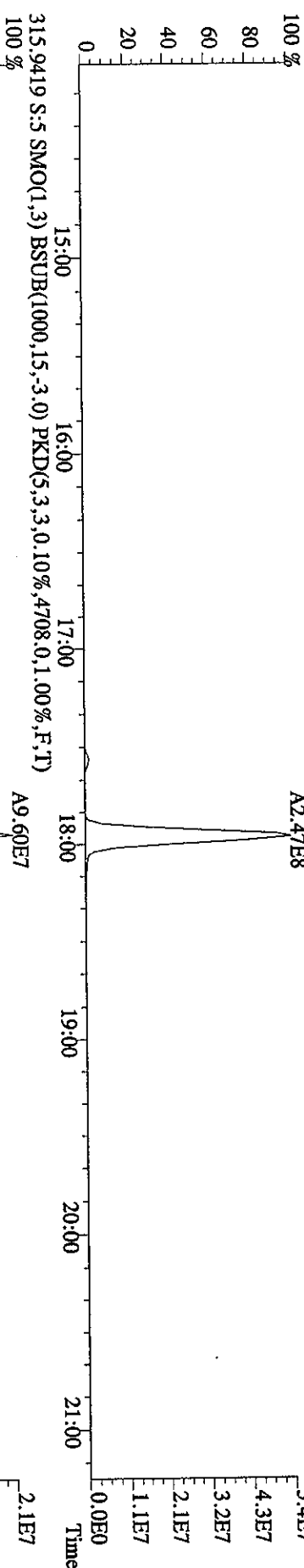
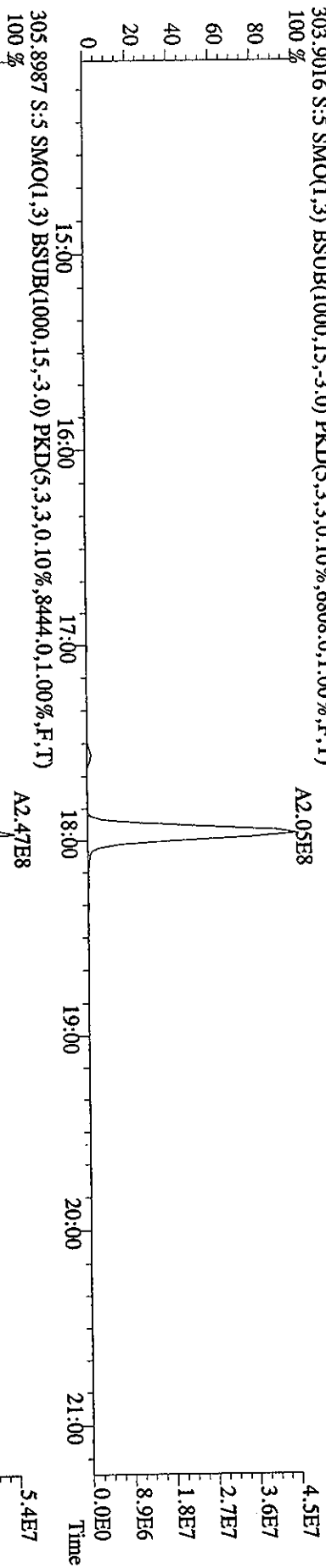
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,4396,0,1,00%,F,T)



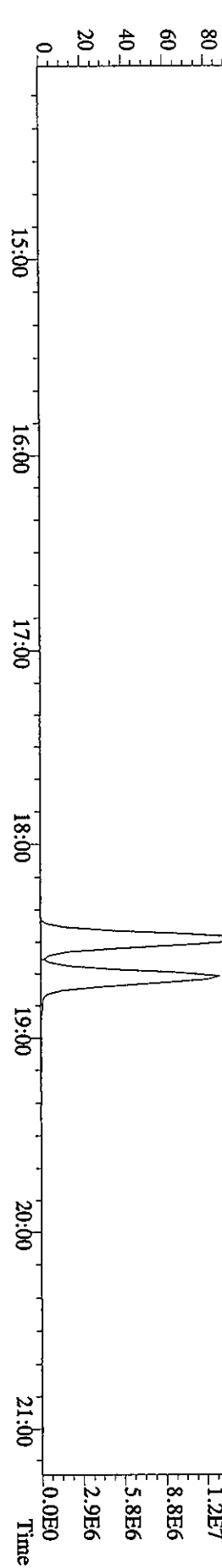
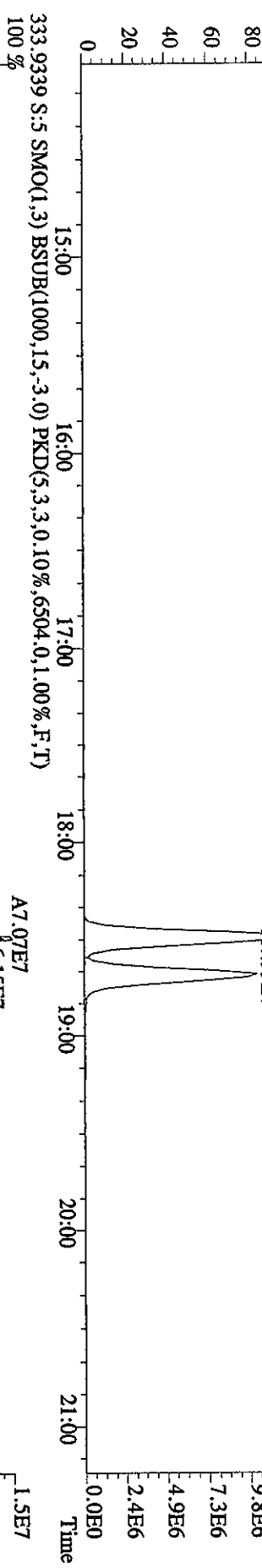
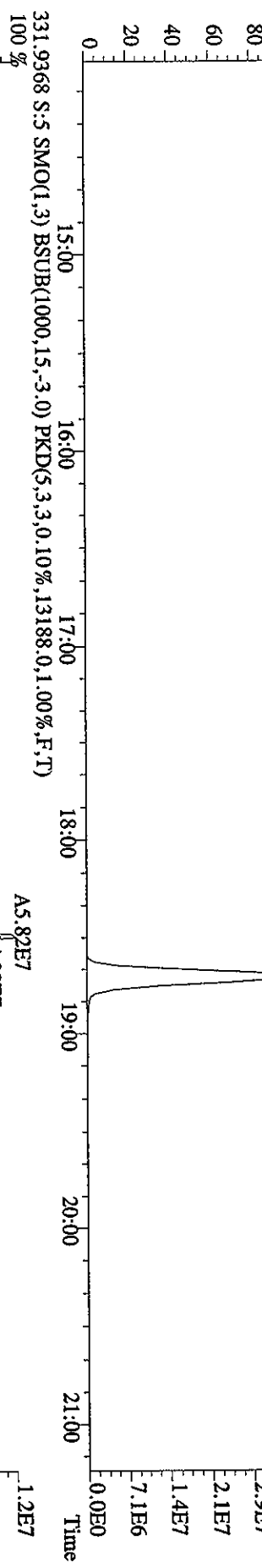
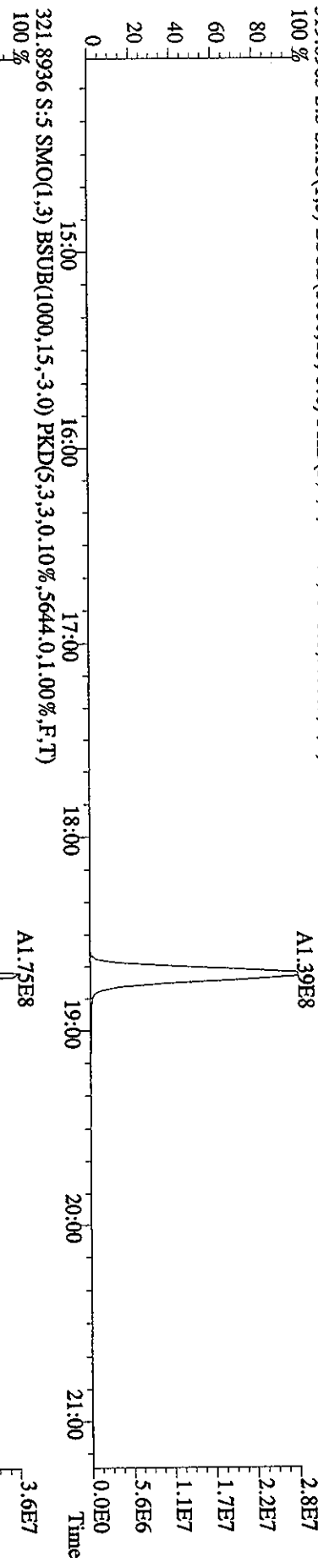
File:17MR061D5 #1-179 Acq:17-MAR-2006 12:36:02 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0317D :CS4 2565-41D Exp:DIOXIN
 454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100 % 37:01 37:15 37:27 37:42 37:50



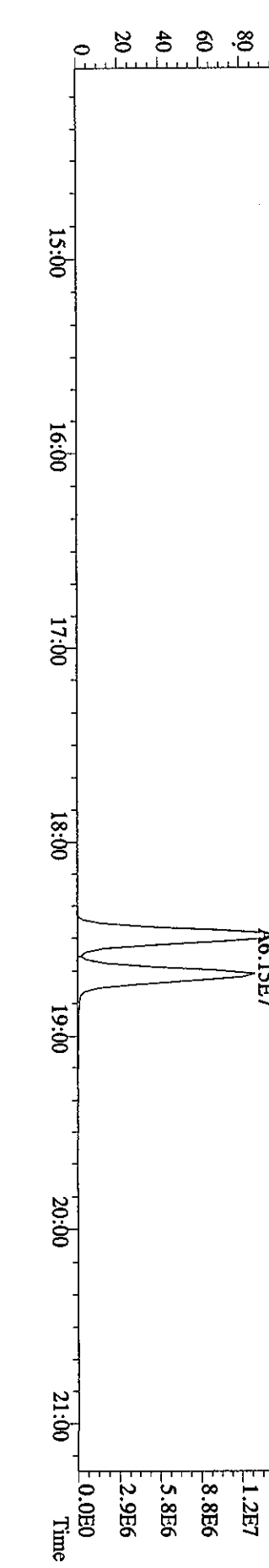
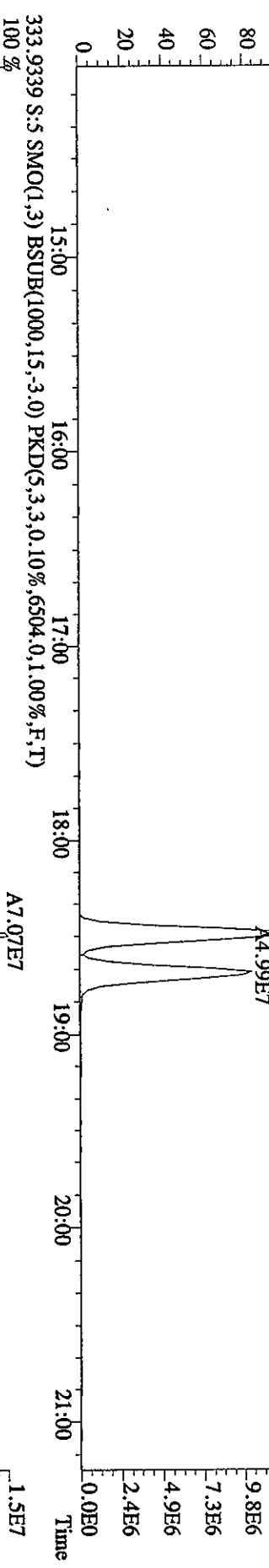
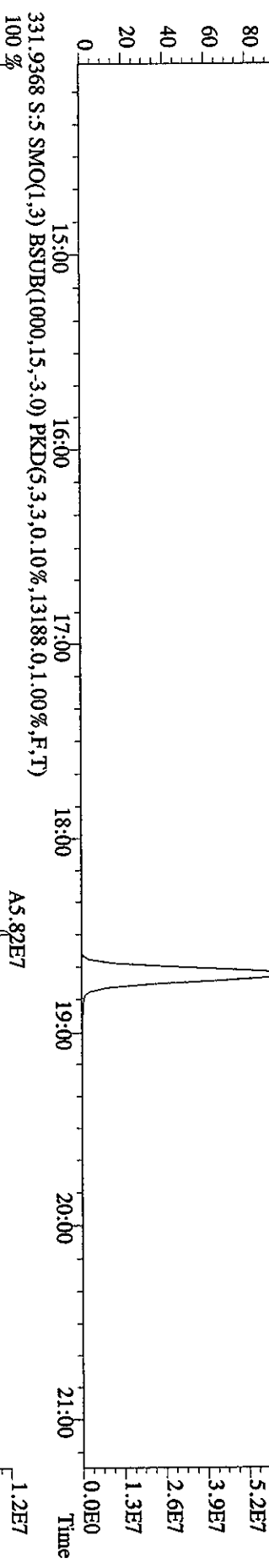
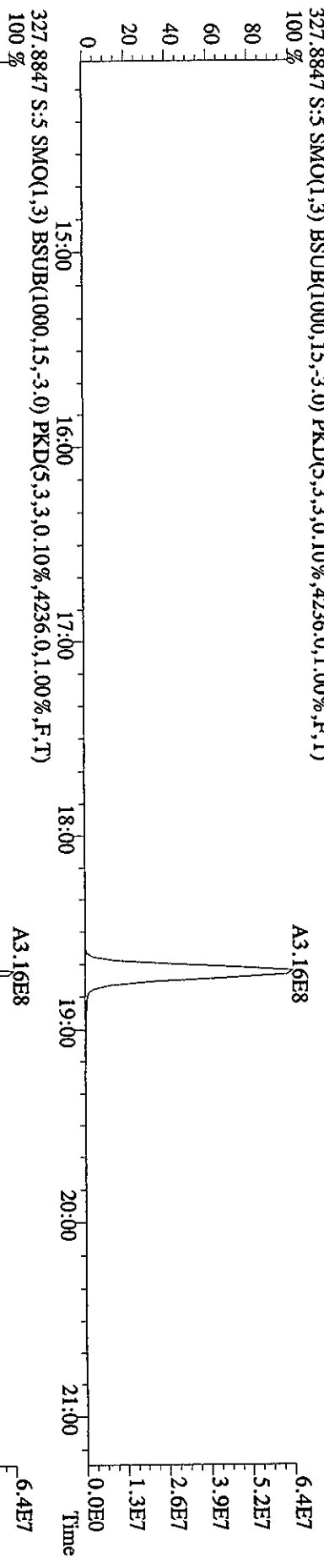
File:17MR061D5 #1-393 Acq:17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0317C :CSS 2565-41E Exp:DIOXIN
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6808,0,1,00%,F,T)



File:17MR061D5 #1-393 Acq:17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0317C :CSS 2565-41E Exp:DIOXIN
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4328.0,1.00%,F,T) 100%



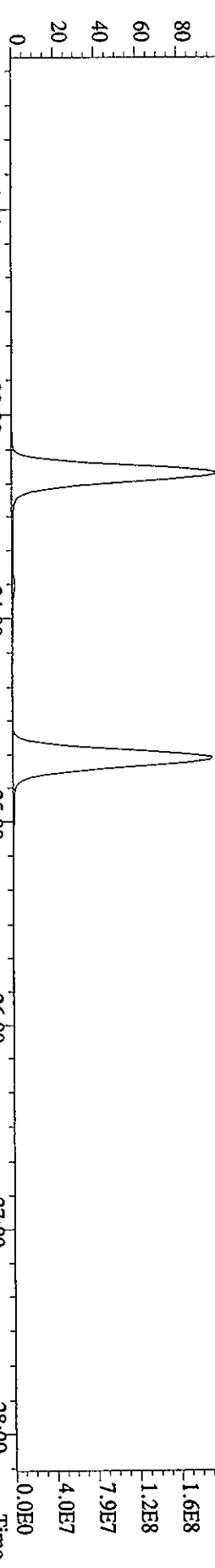
File:17MR061D5 #1-393 Acq:17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0317C :CSS 2565-41E Exp:DIOXIN
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4236,0,1.00%,F,T)
 100 %



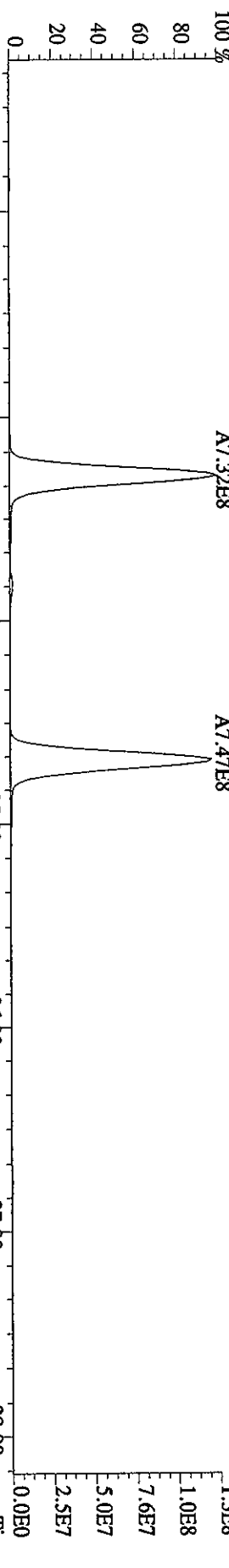
File: 17MR061D5 #1-487 Acq: 17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE

Sample#5 Text: ST0317C :CS5 2565-41E Exp: DIOXIN

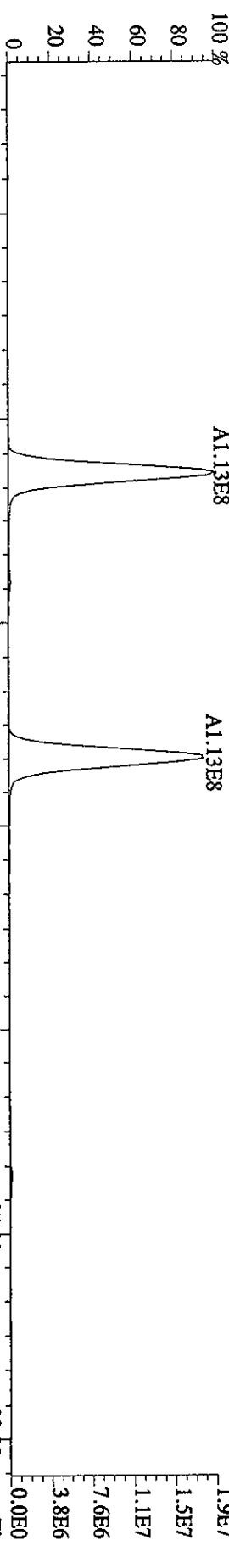
339.8597 S.:5 F.:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12424.0,1.00%,F,T)



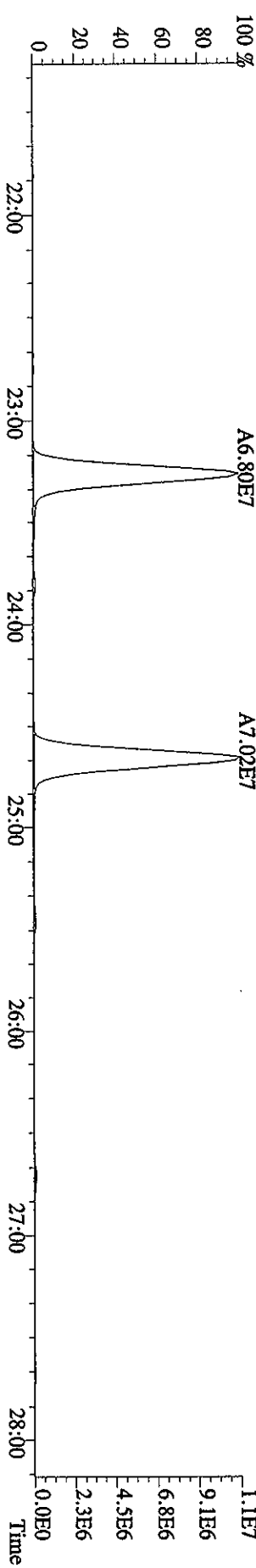
341.8567 S.:5 F.:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9624.0,1.00%,F,T)



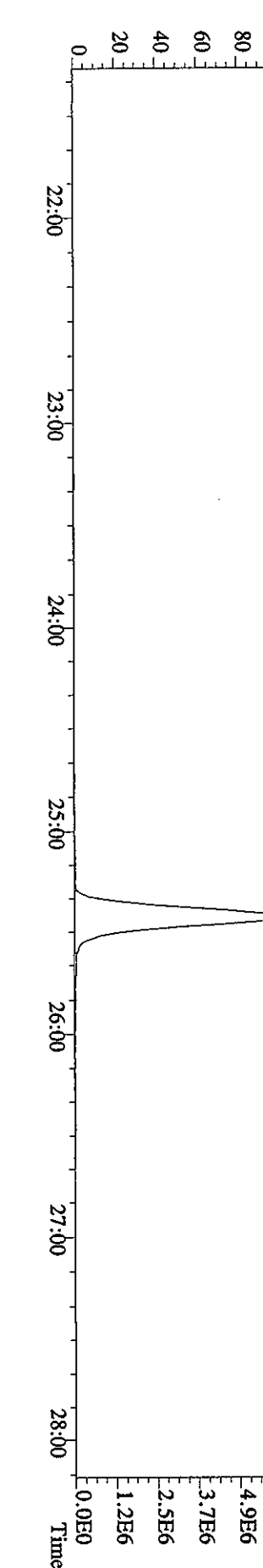
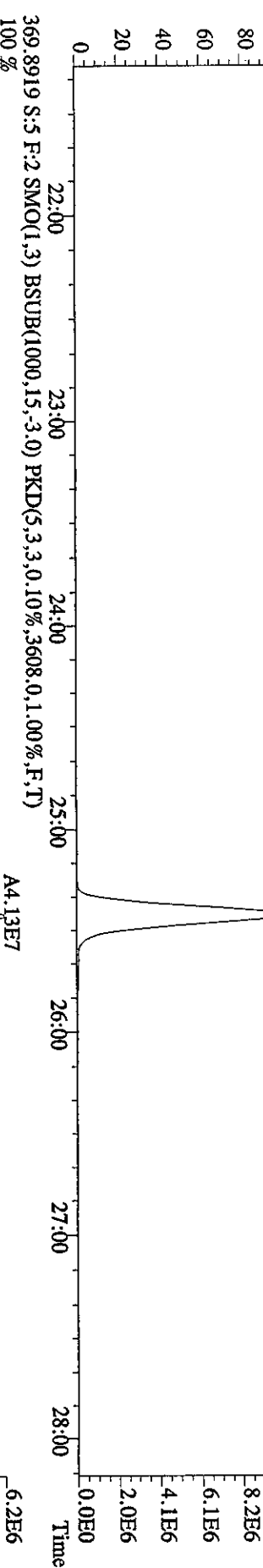
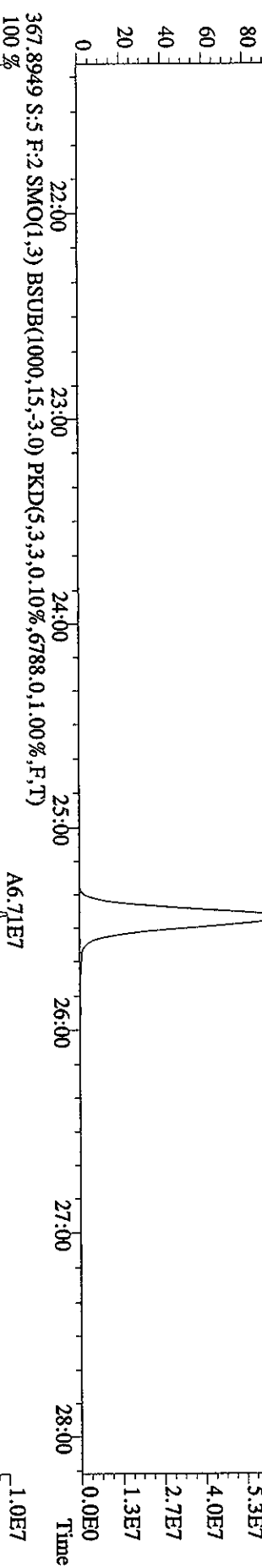
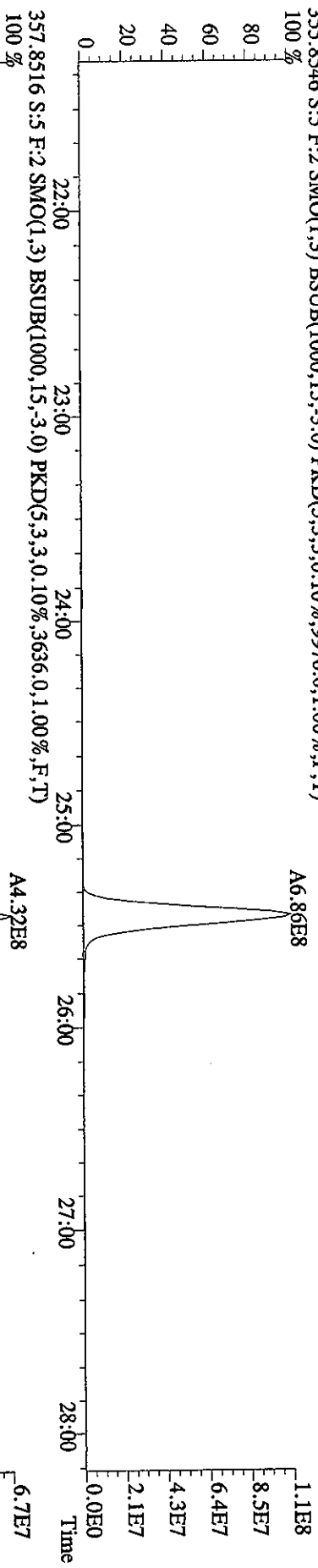
351.9000 S.:5 F.:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7080.0,1.00%,F,T)

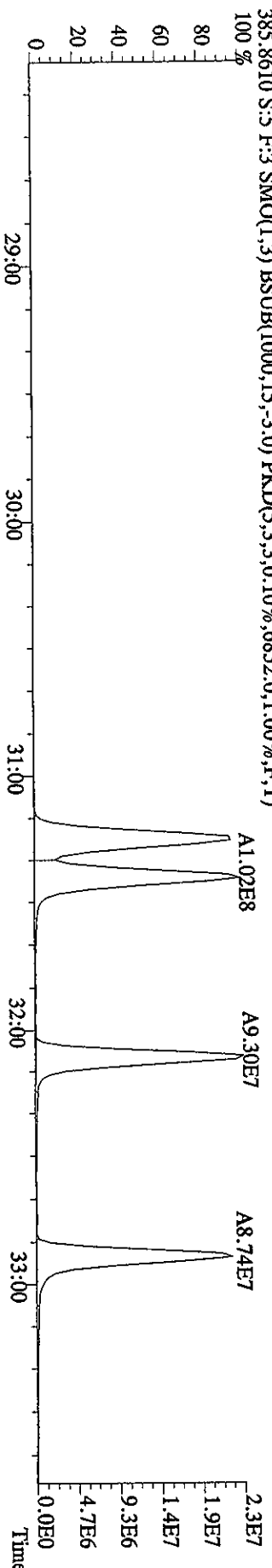
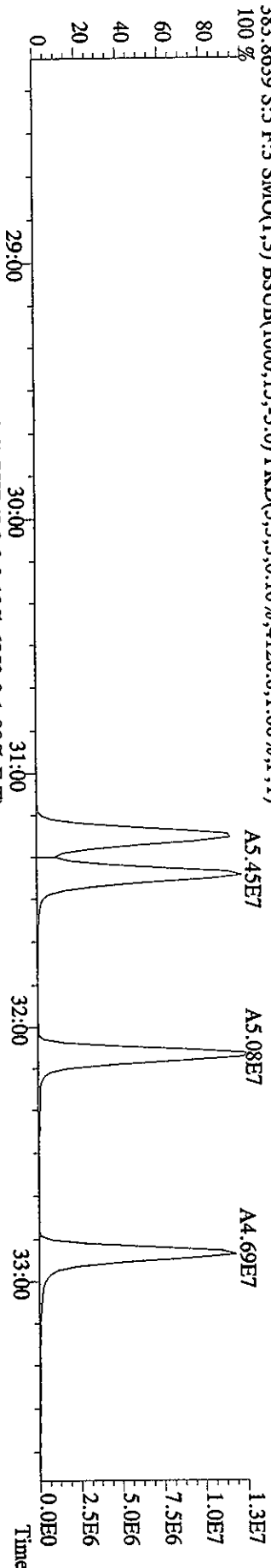
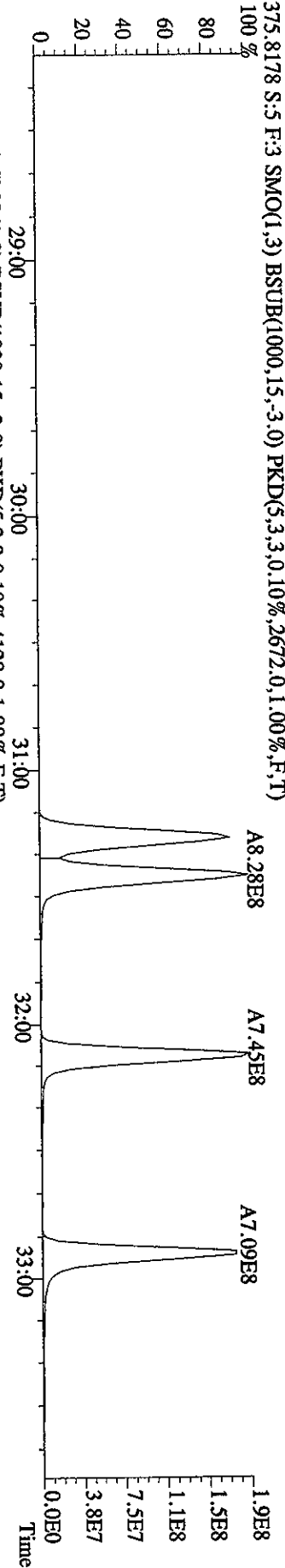
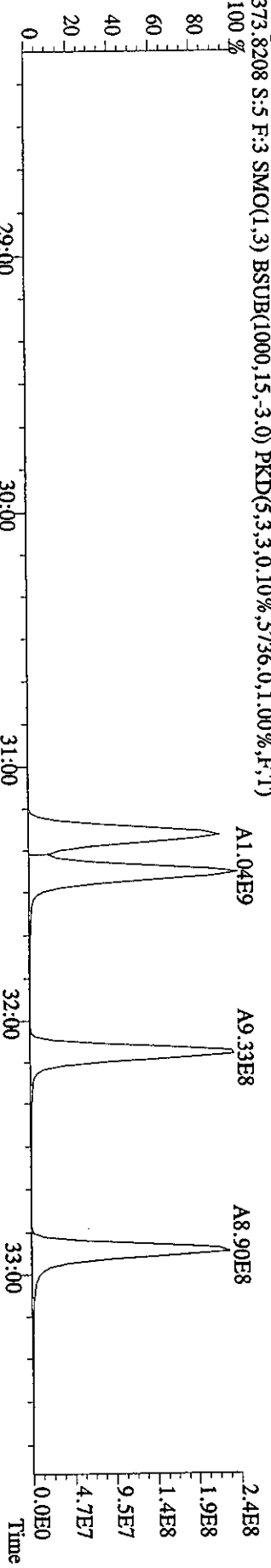


353.8970 S.:5 F.:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5788.0,1.00%,F,T)

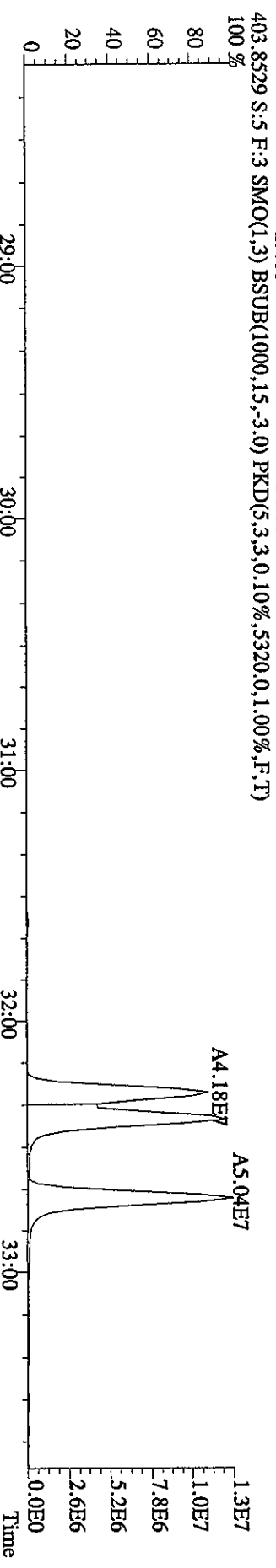
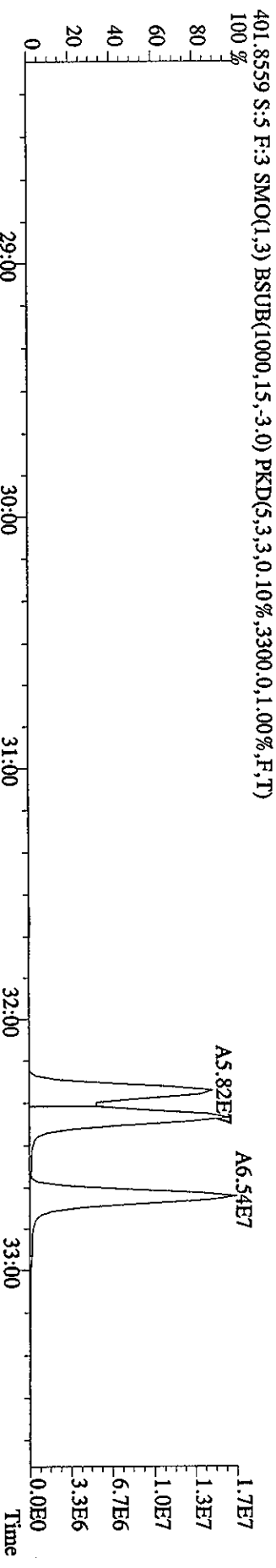
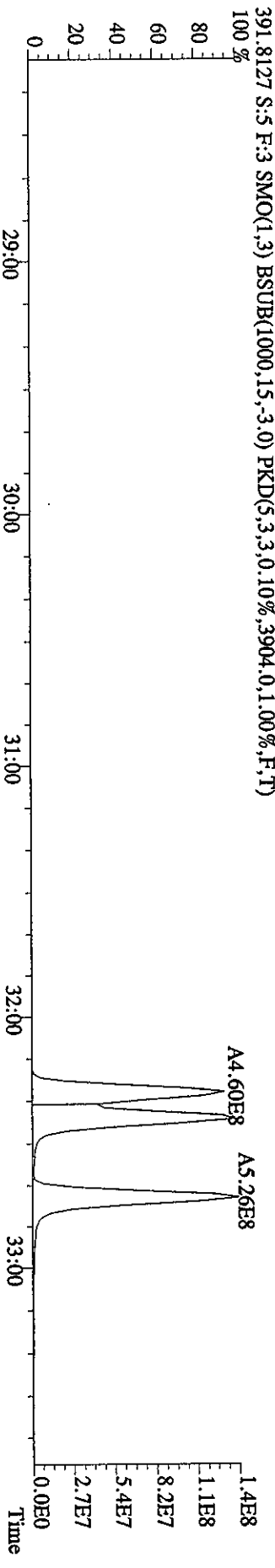
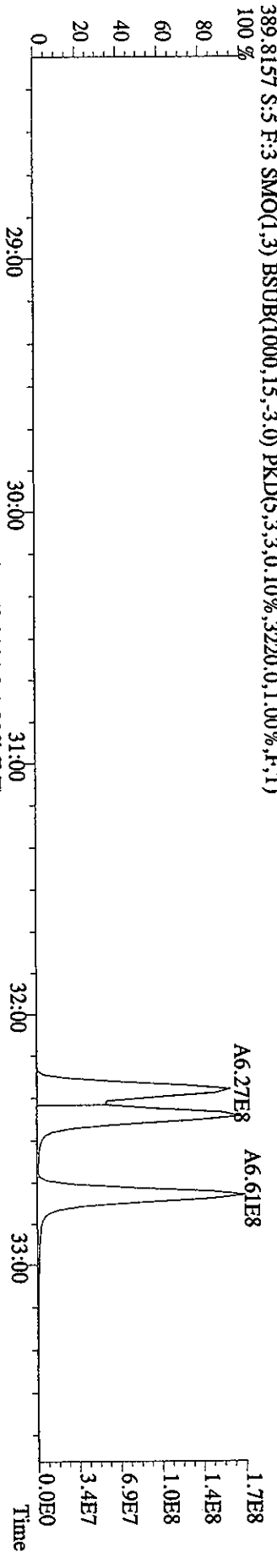


File:17MR061D5 #1-487 Acq:17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0317C :CSS 2565-4IE Exp:DIOXIN
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9976,0.1,00%,F,T)
100 %



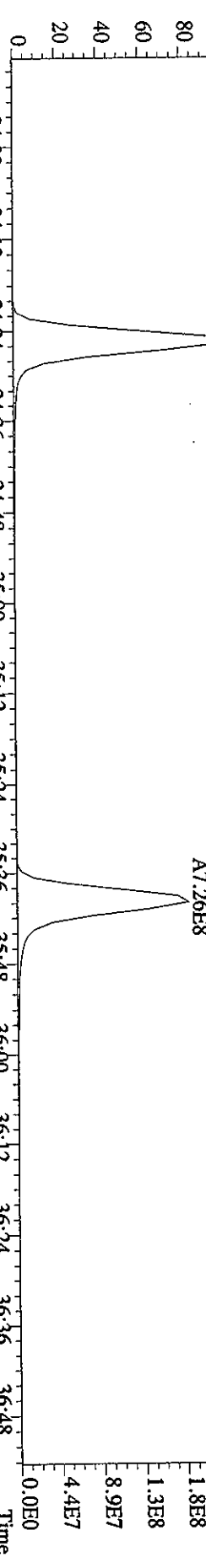


File: 17MR061D5 #1-375 Acq: 17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST0317C :CS5 2565-41E Exp: DIOXIN
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3220,0,1,00%,F,T)

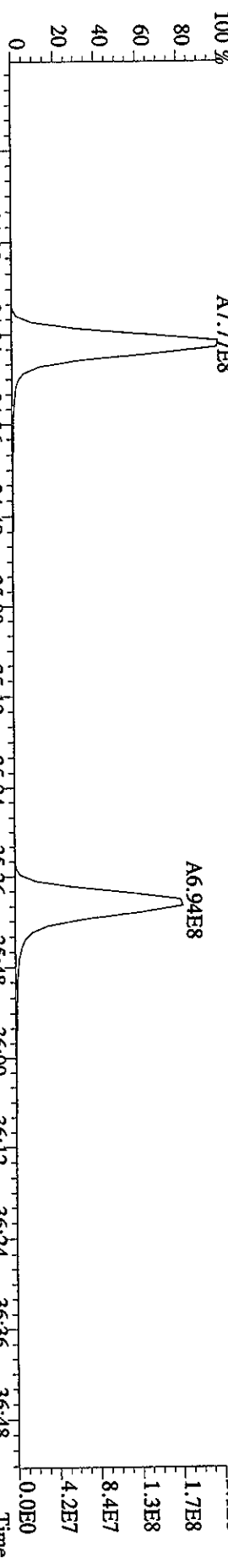


Sample#5 Text:ST0317C :CSS 2565-41E Exp:DIOXIN

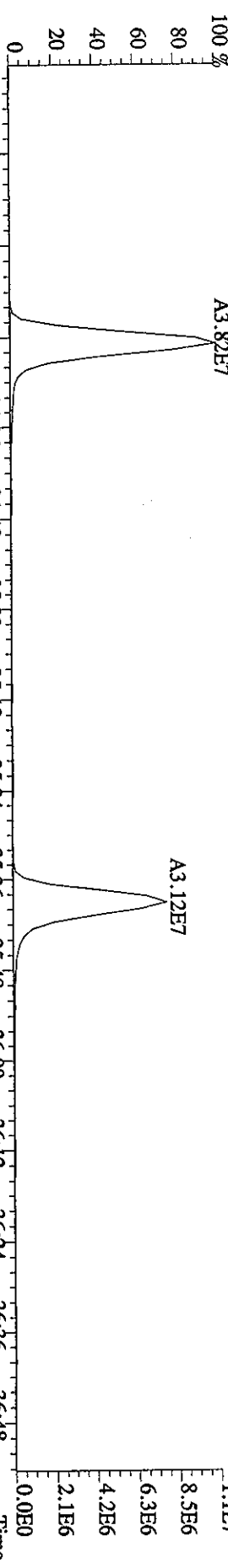
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,55532,0,1,00%,F,T)



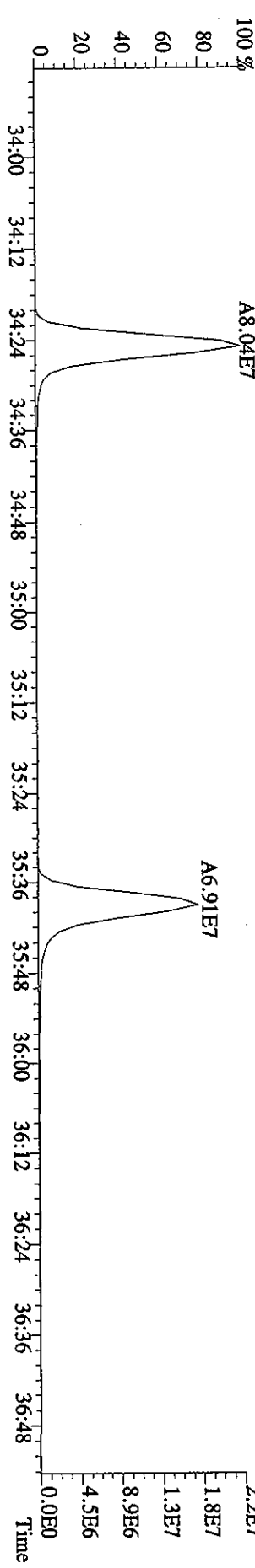
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,52108,0,1,00%,F,T)



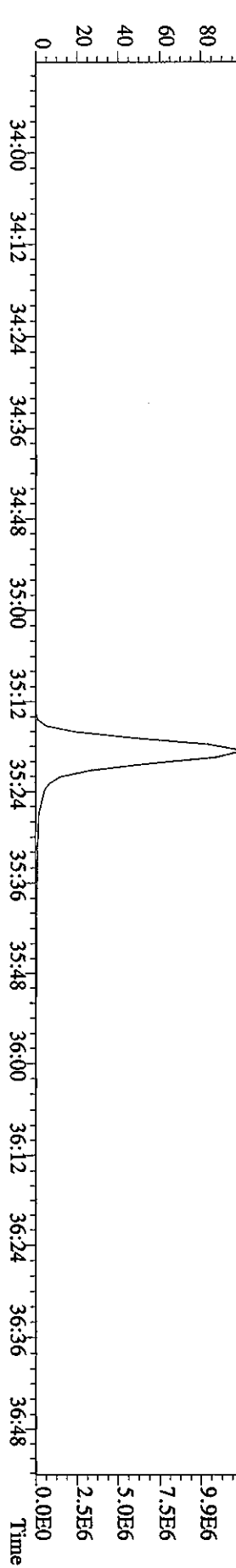
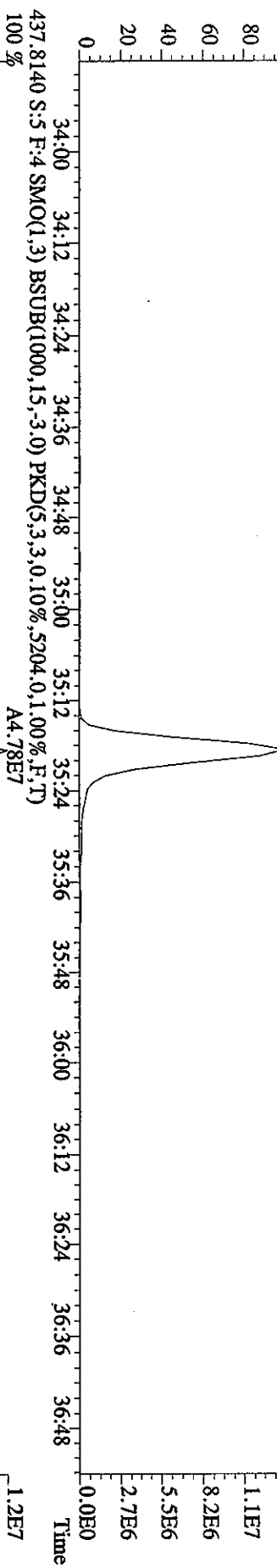
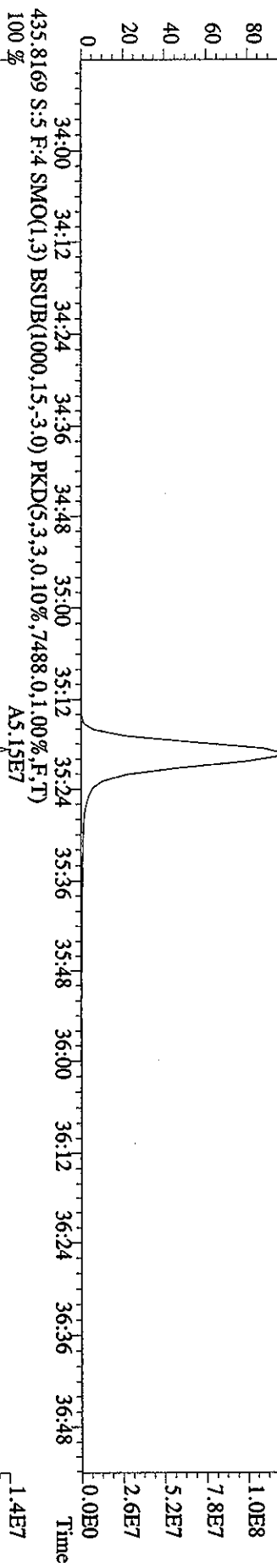
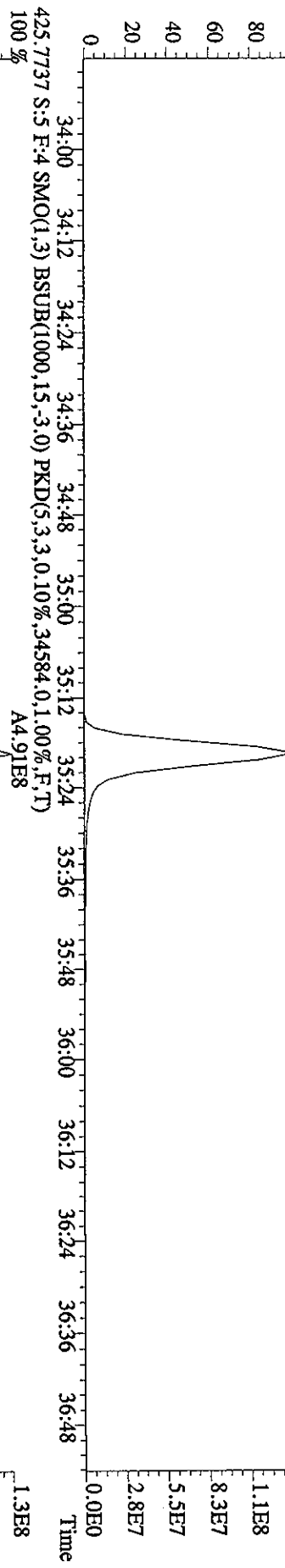
417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9340,0,1,00%,F,T)



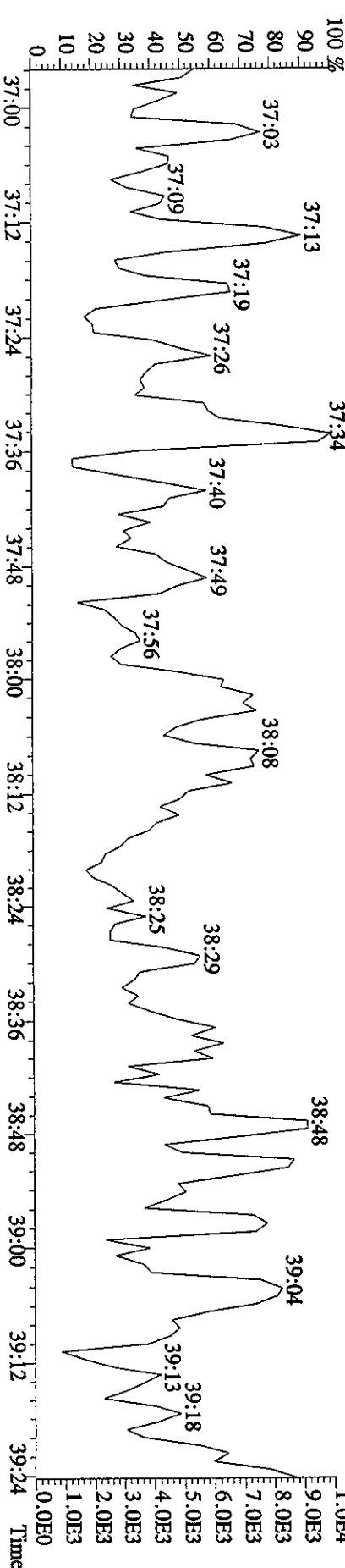
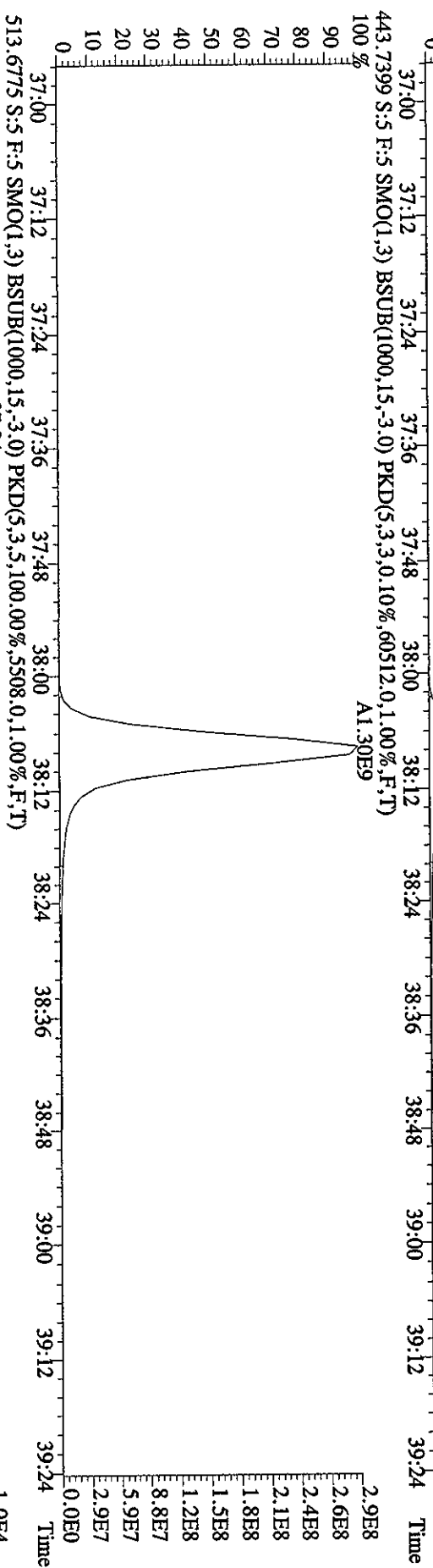
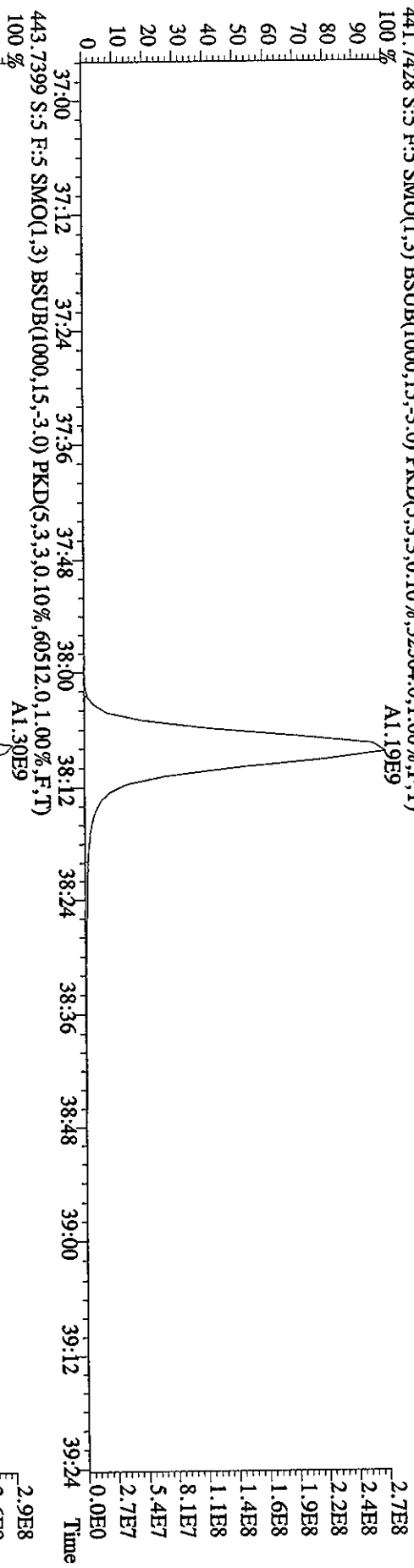
419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,19400,0,1,00%,F,T)



File:17MR061D5 #1-219 Acq:17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0317C :CSS 2565.41E Exp:DIOXIN
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.0%,30368.0,1.00%,F,T)
 100% A5.21E8



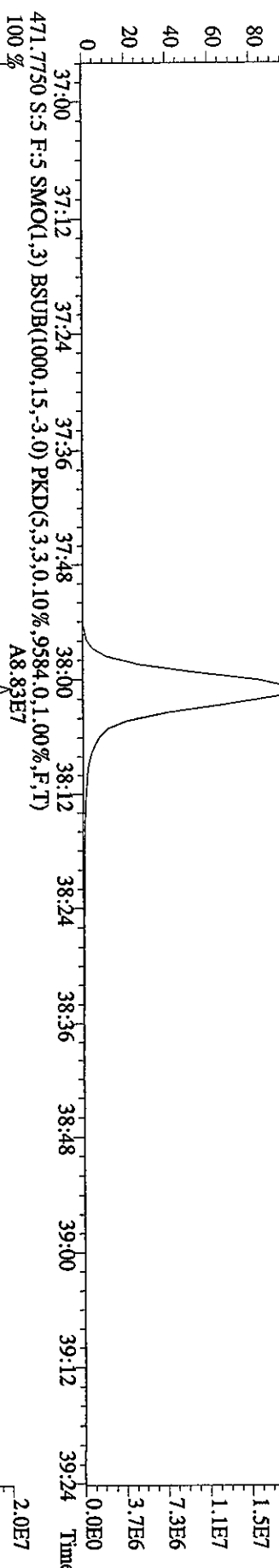
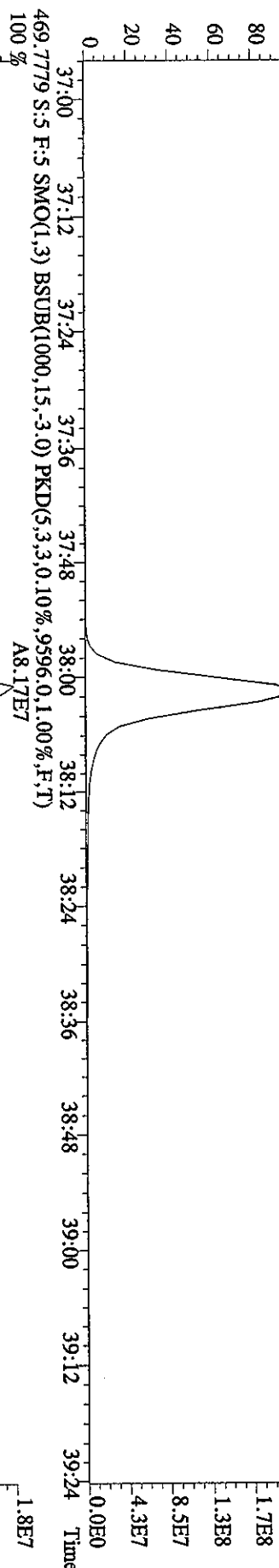
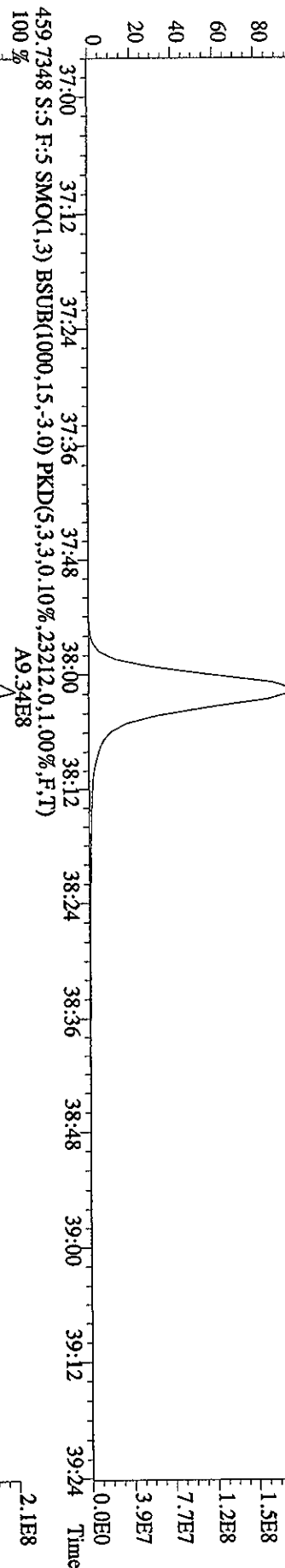
File:17MR061D5 #1-179 Acq:17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0317C :CSS 2565-4IE Exp:DIOXIN
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32364.0,1.00%,F,T)
 100% A1.19E9



File: 17MR061D5 #1-179 Acq: 17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE

Sample#5 Text: ST0317C :CSS 2565.41E Exp: DIOXIN

457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.25240,0.1,00%,F,T) 100% A8.43E8

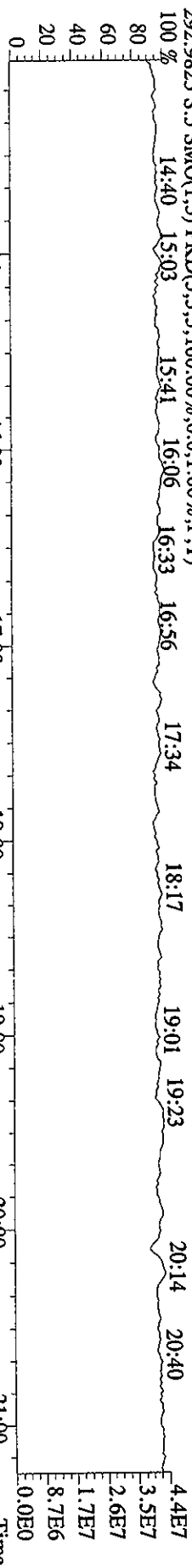


File:17MR06ID5 #1-393 Acq:17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE

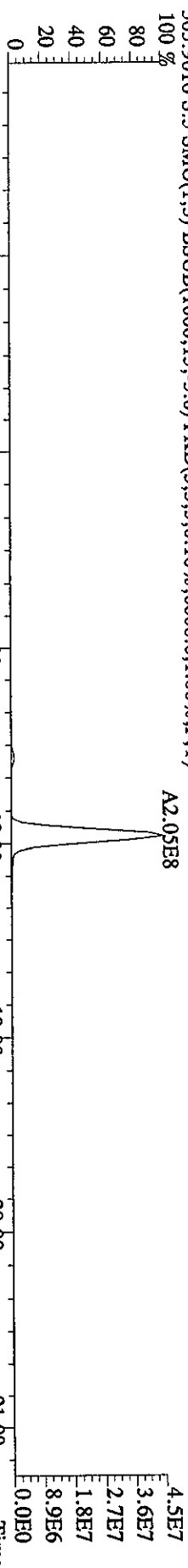
Sample#5 Text:ST0317C :CSS 2565-41E Exp:DIOXIN

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

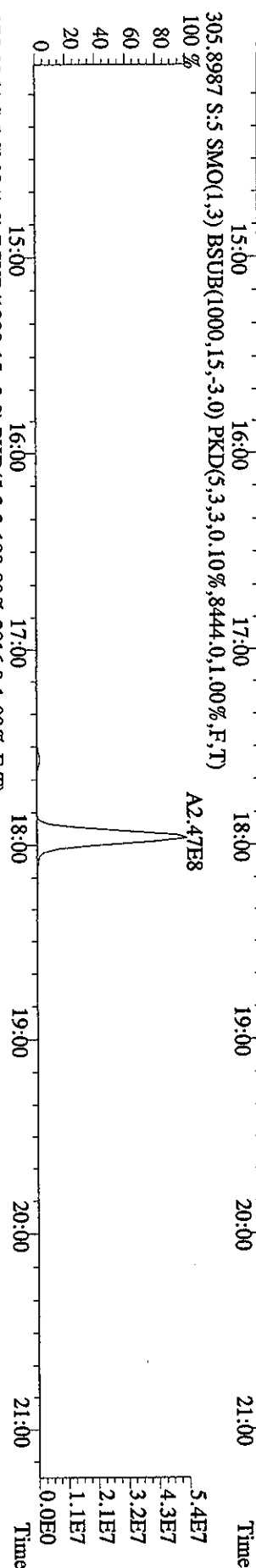
14:40 15:03 15:41 16:06 16:33 16:56 17:34 18:17 19:01 19:23 20:14 20:40



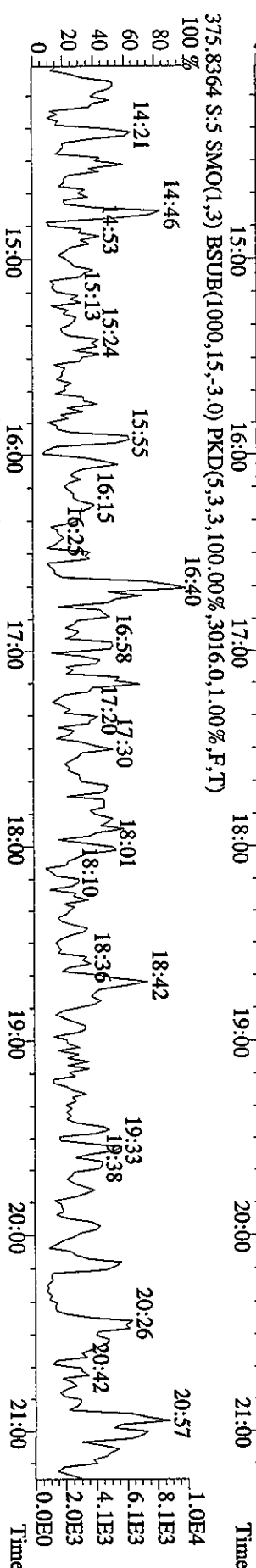
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6808,0,1,00%,F,T)



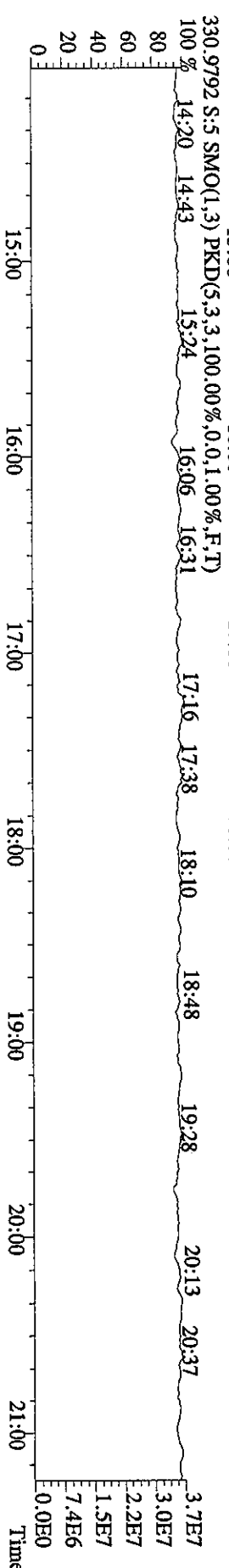
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8444,0,1,00%,F,T)



375.8364 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,3016,0,1,00%,F,T)



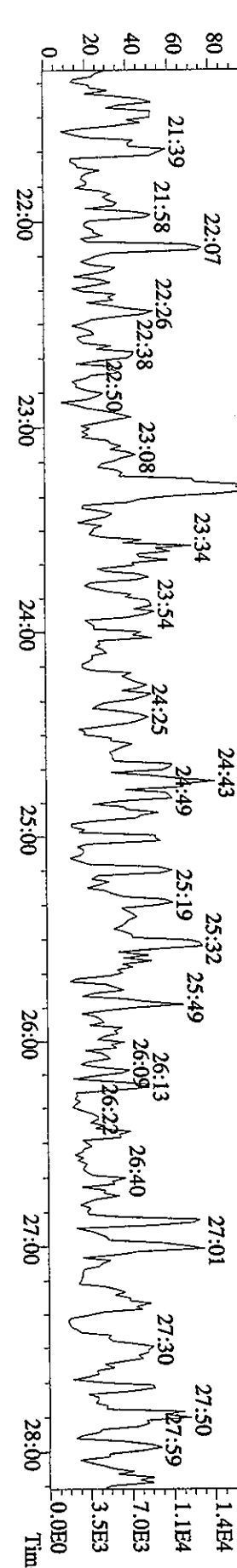
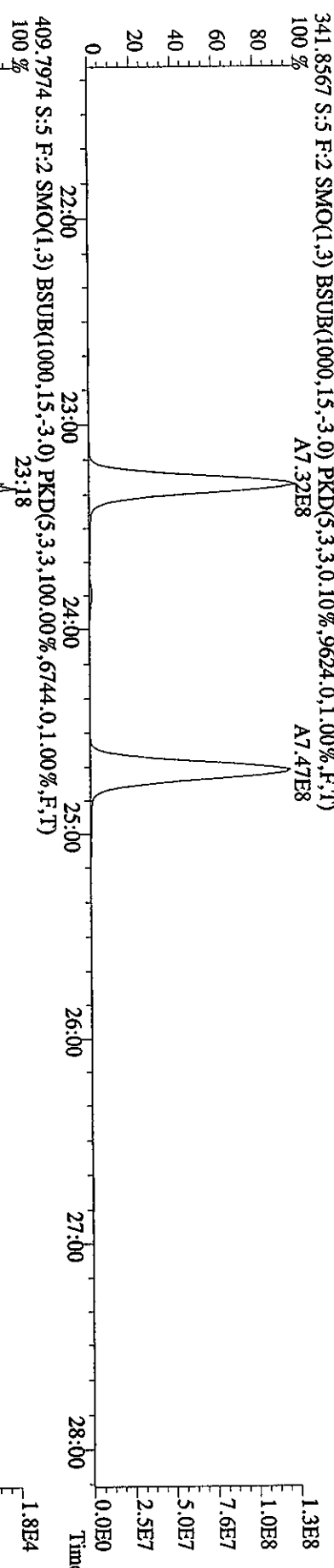
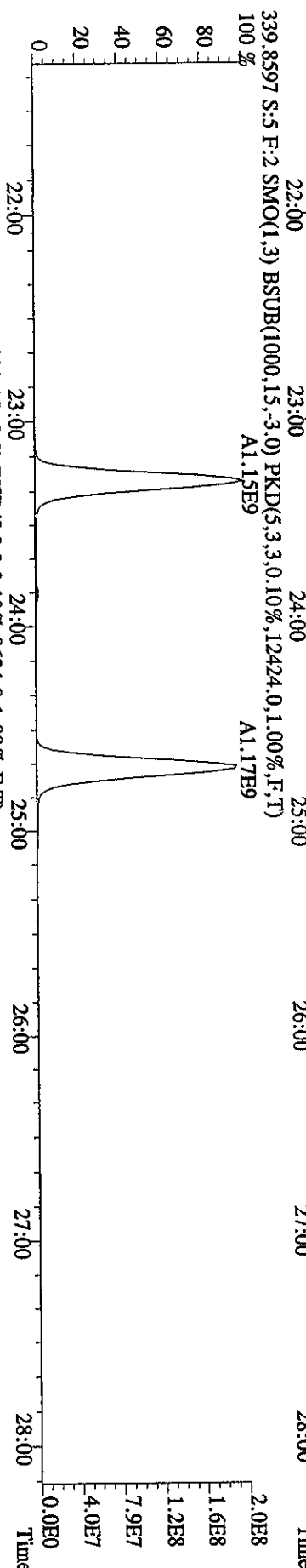
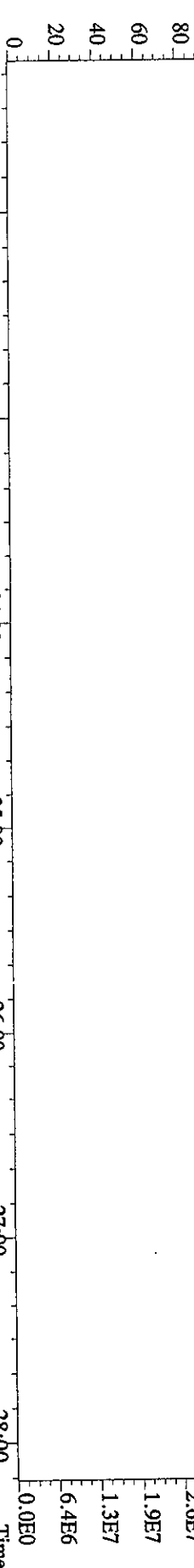
330.9792 S:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



Sample#5 Text: ST0317C :CSS 2565.41E Exp: DIOXIN

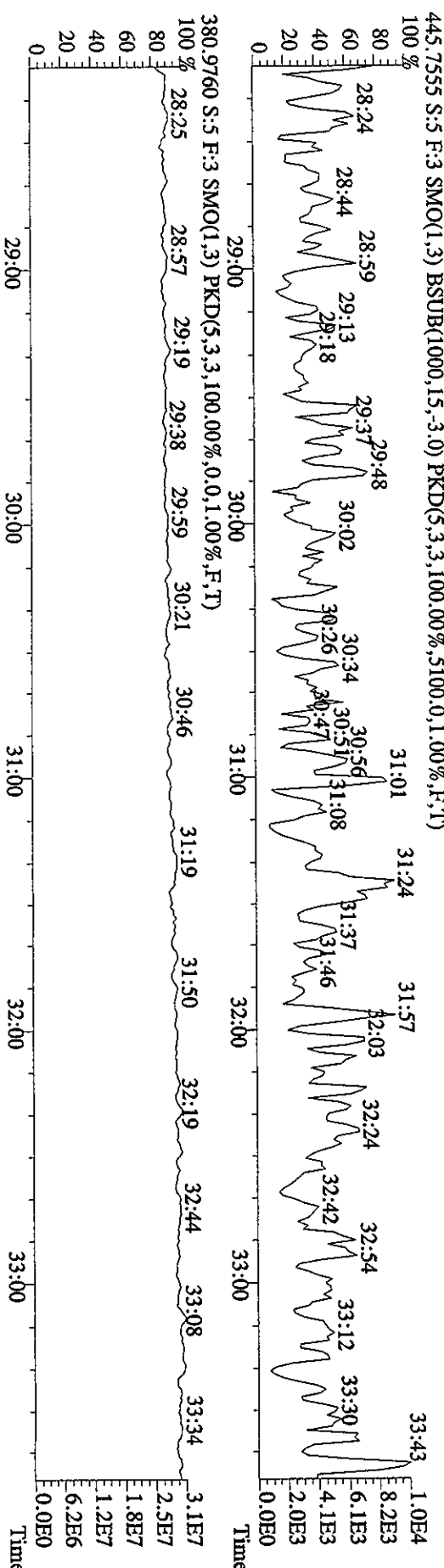
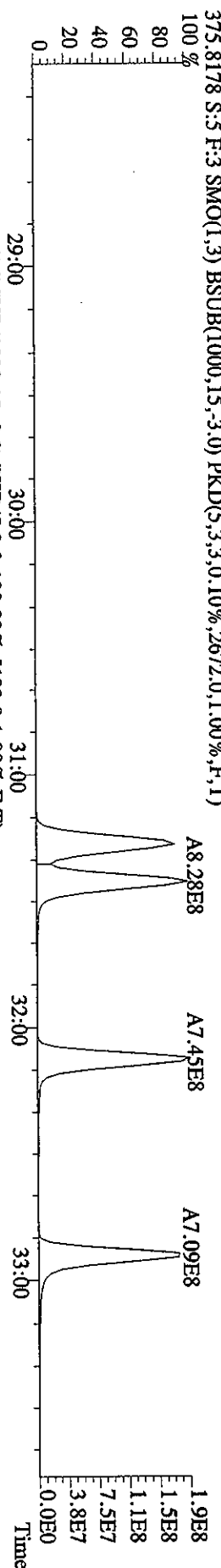
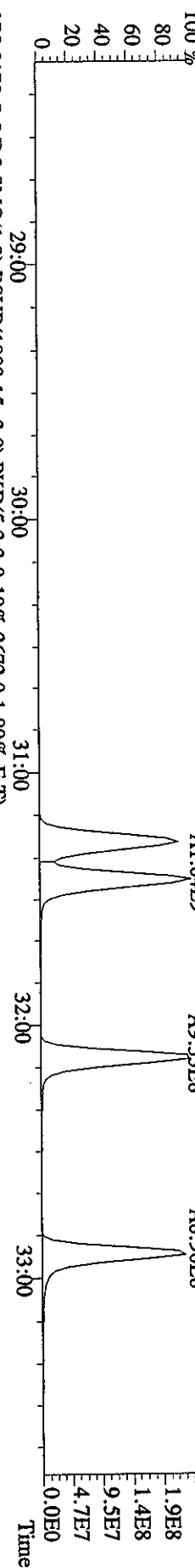
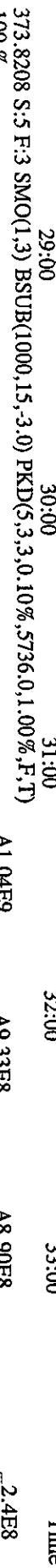
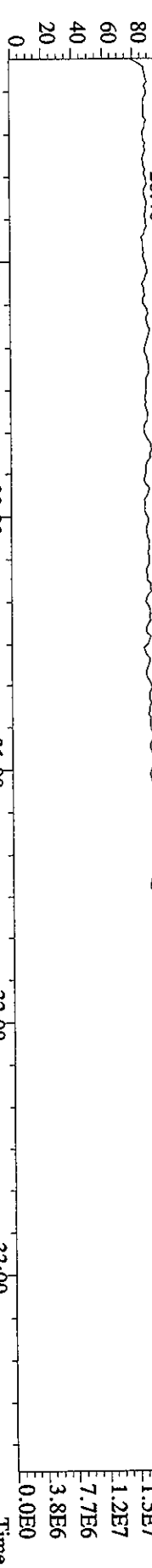
342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 21:46 22:09 22:32 23:01 23:25 24:02 24:32 24:57 25:22 25:46 26:16 26:57 27:20 27:54



Sample#5 Text:ST0317C :CSS 2565-41E Exp:DIOXIN

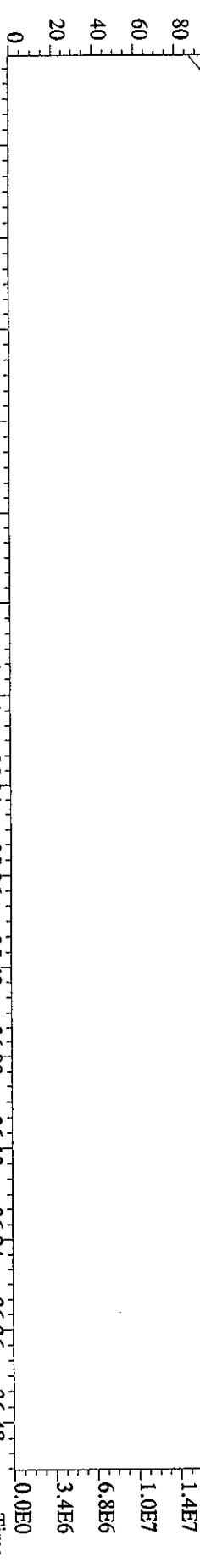
392.9760 S.S.F:3 SMO(1,3) PKD(5,3,100.00%,0.0,1.00%,F,T)



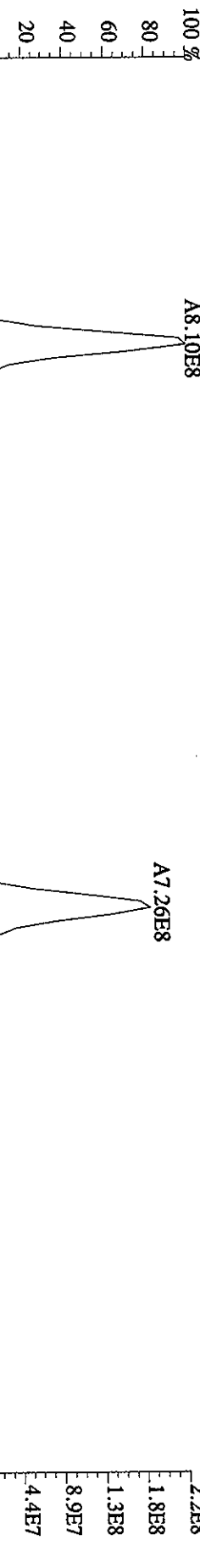
Sample#5 Text:ST0317C :CSS 2565-41E Exp:DIOXIN

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

100 % 33:53 34:05 34:20 34:29 34:48 34:58



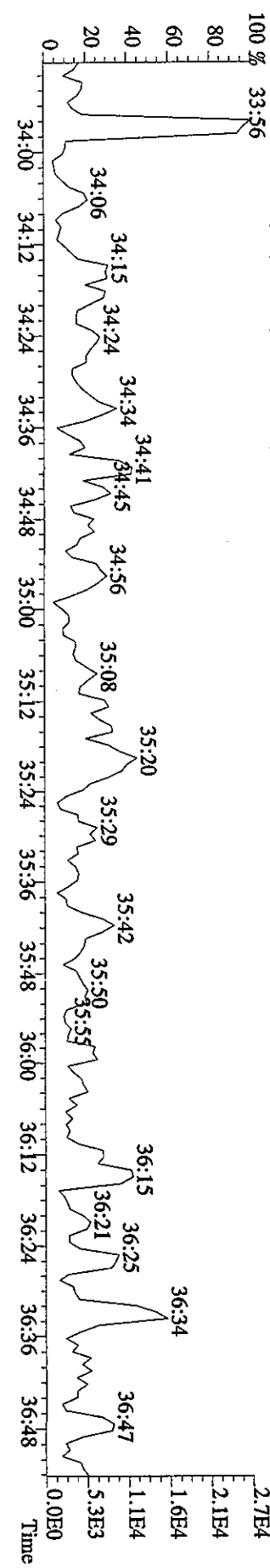
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,55532,0,1,00%,F,T)



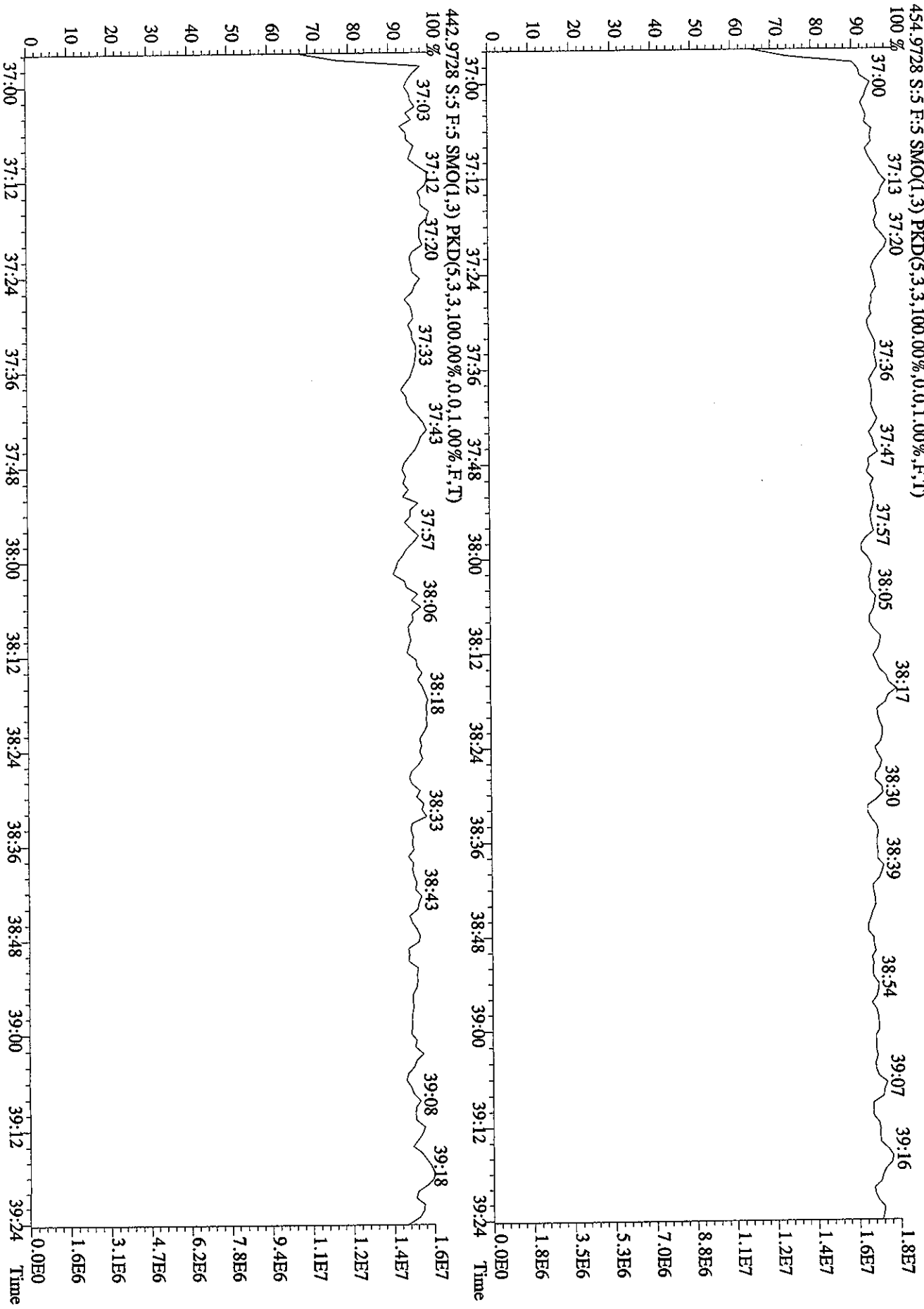
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,52108,0,1,00%,F,T)



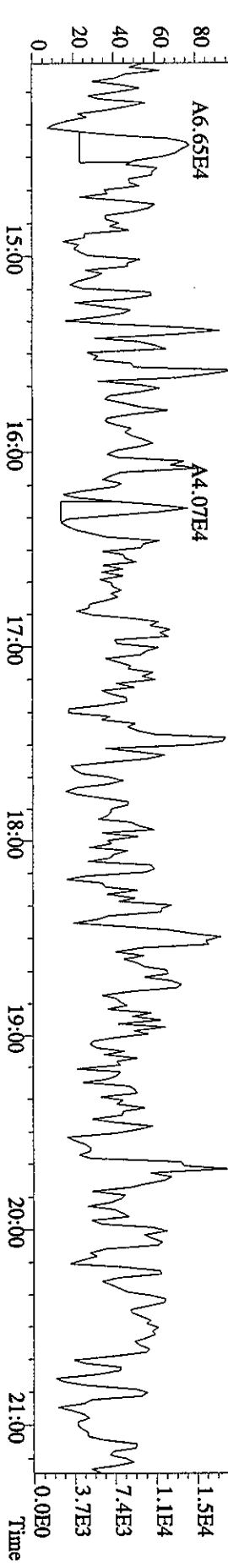
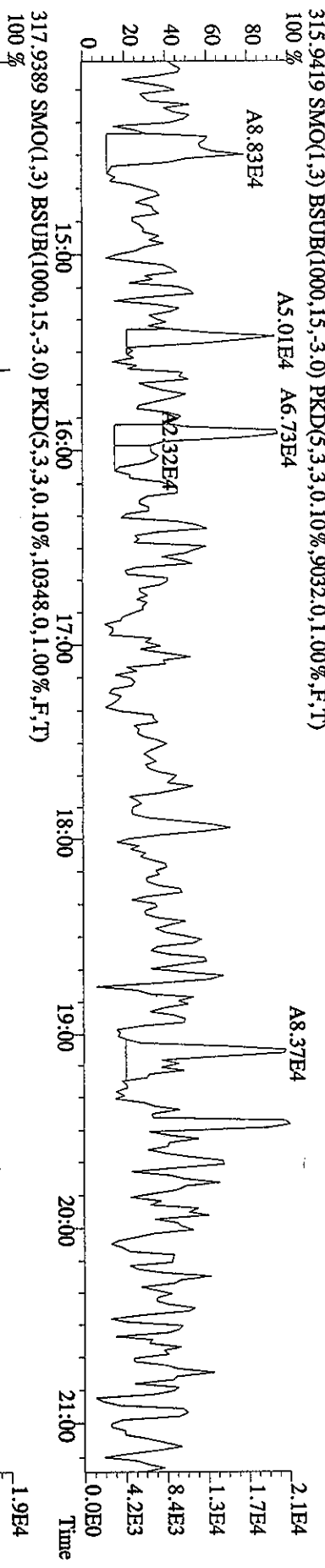
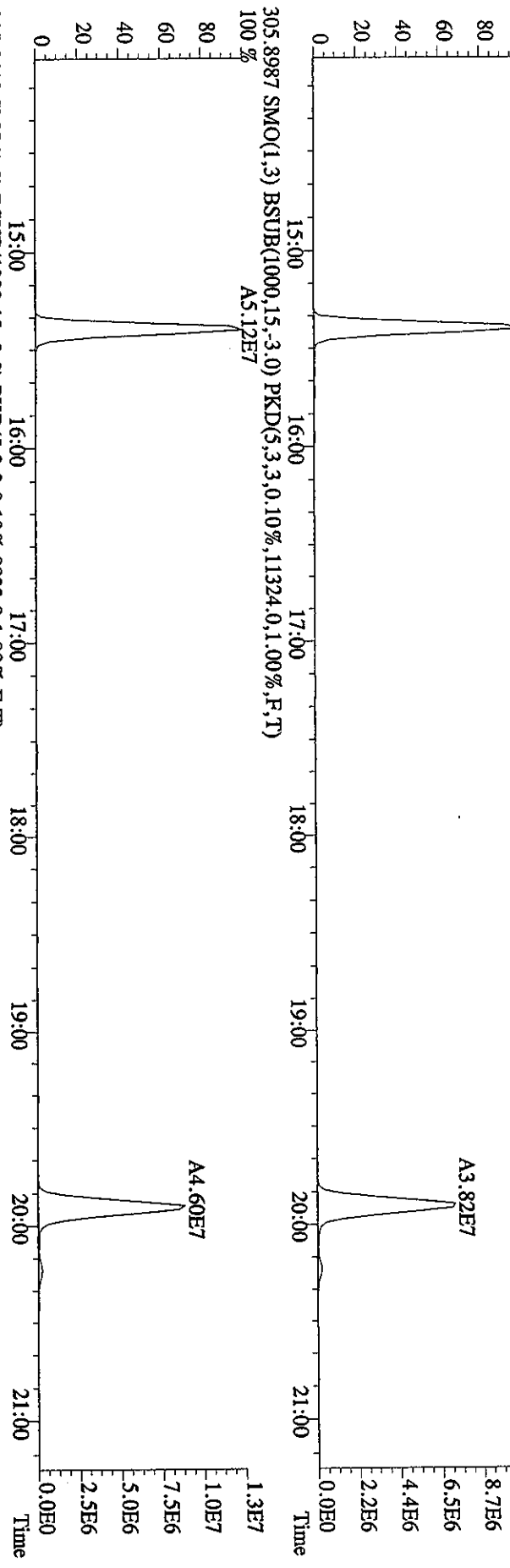
479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,5064,0,1,00%,F,T)



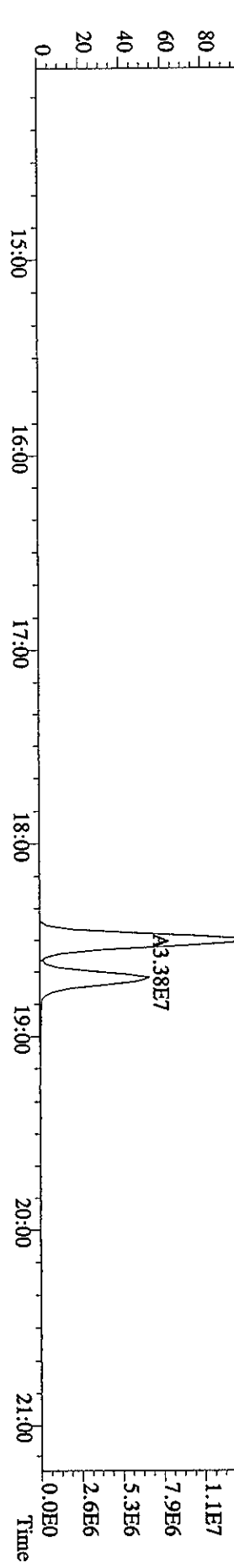
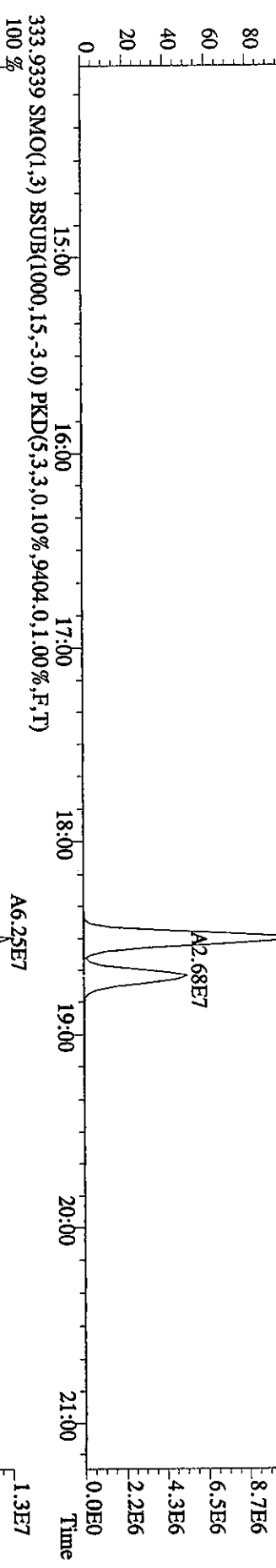
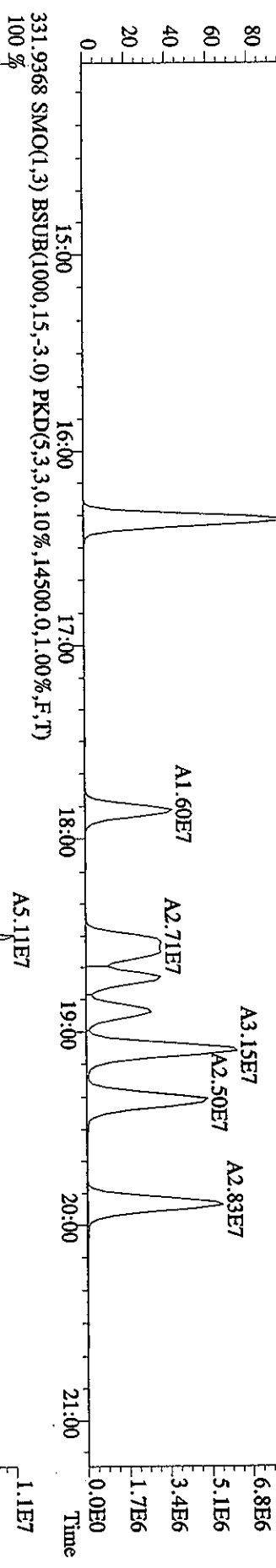
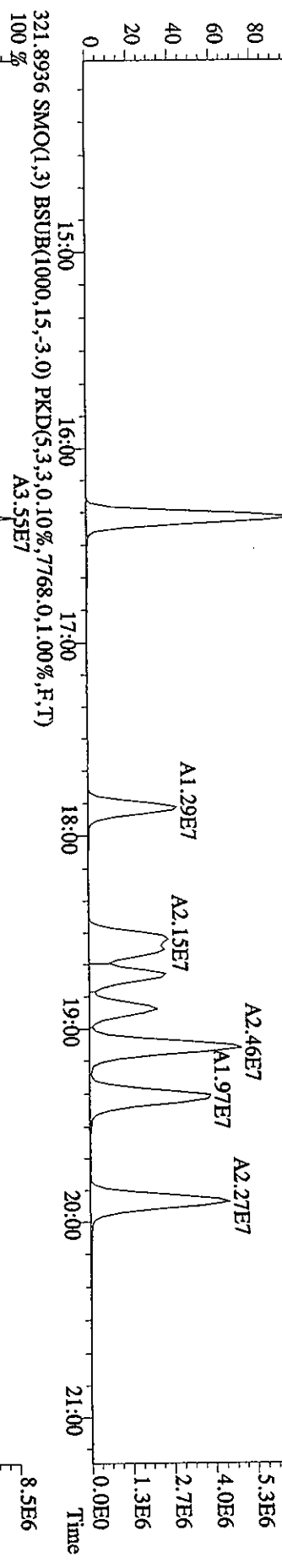
File: 17MR061D5 #1-179 Acq: 17-MAR-2006 11:54:21 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST0317C :CSS 2565-41E Exp: DIOXIN
 454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)



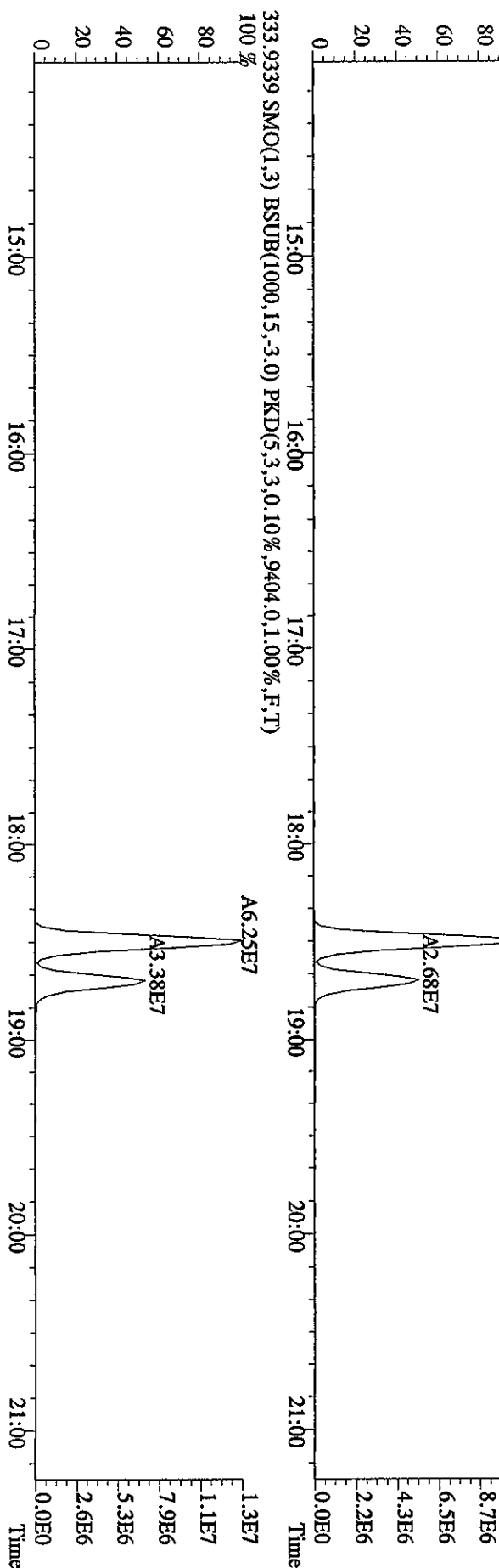
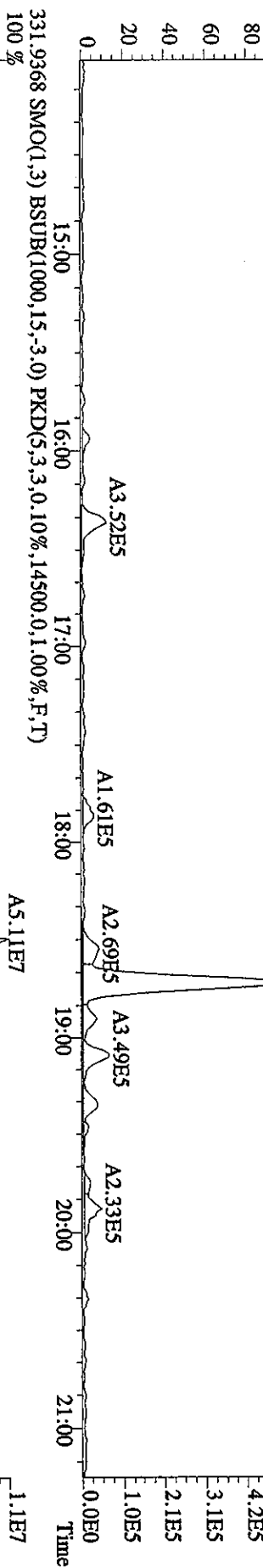
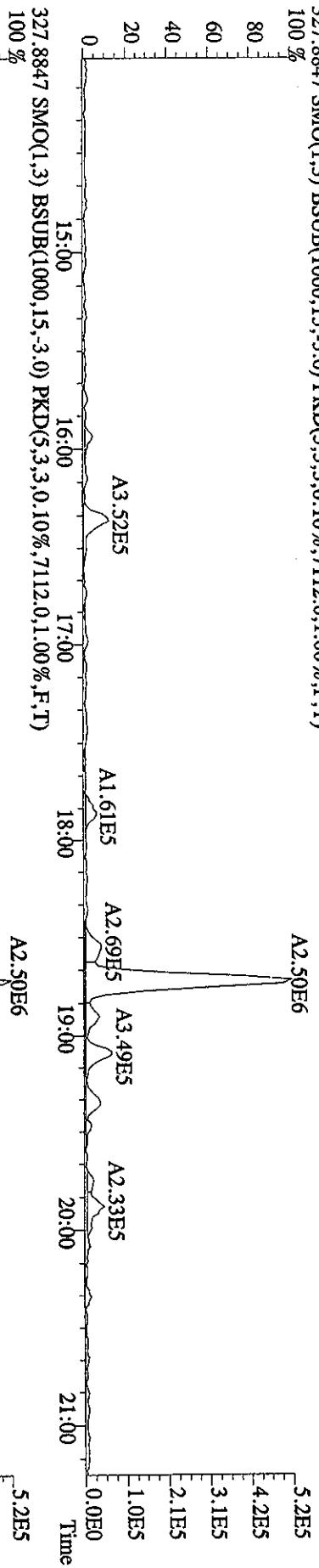
File:17MR061D5 #1-393 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565-47 Exp:DIOXIN
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9140.0,1.00%,F,T)
 100% A4.42E7



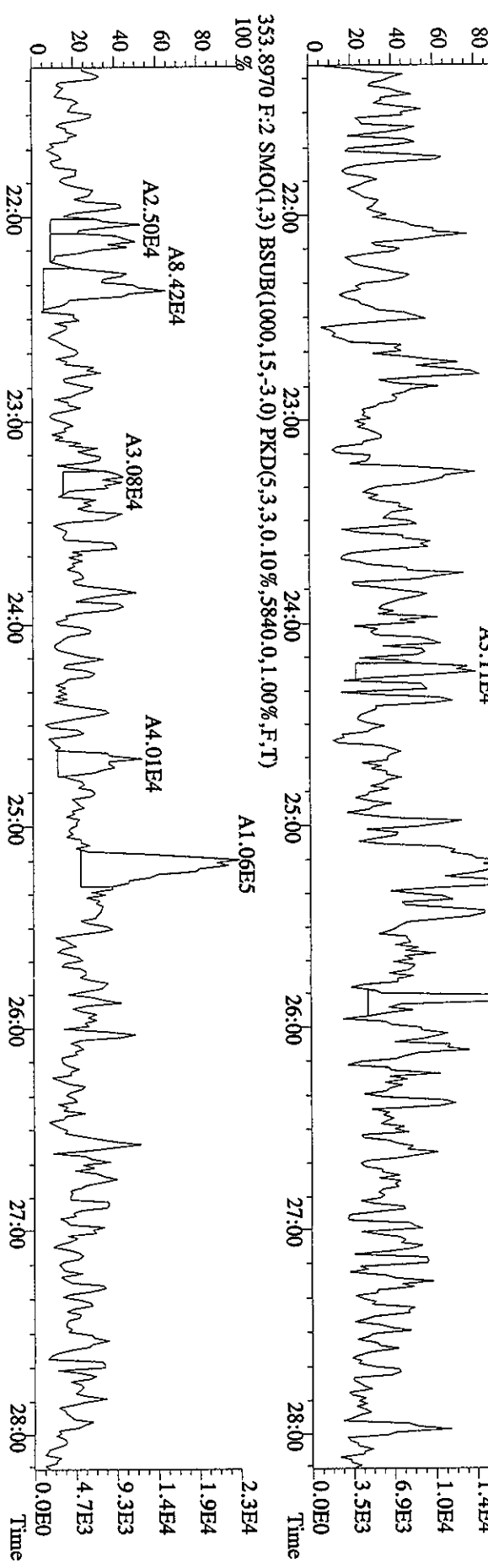
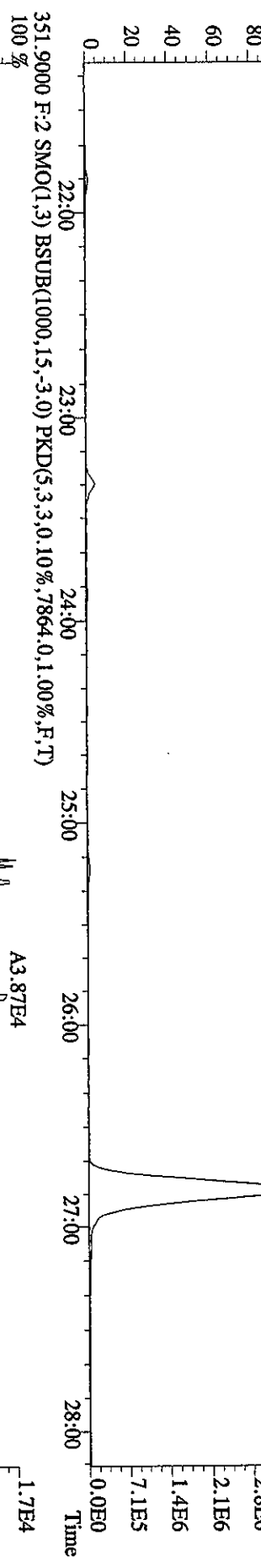
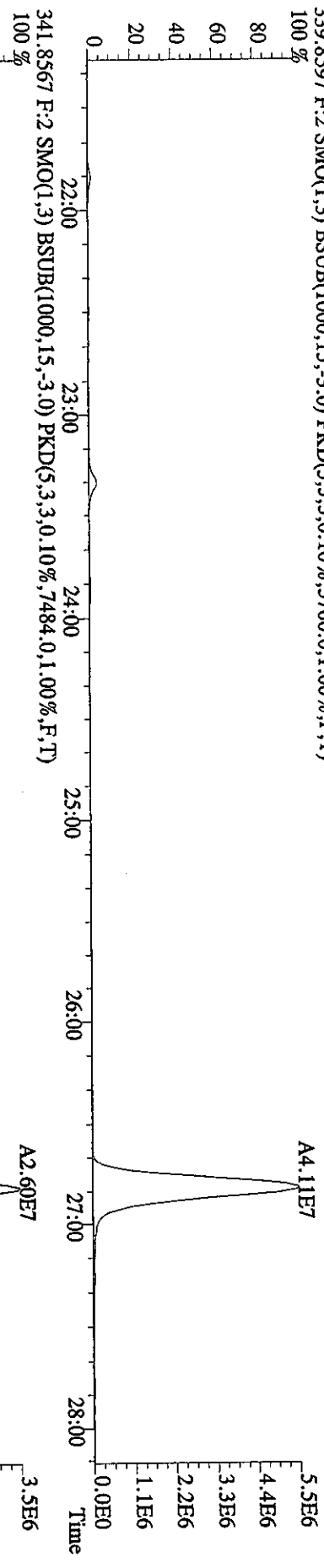
File:17MR061D5 #1-393 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CPSM 2565-47 Exp:DIOXIN
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7452.0,1.00%,F,T)
 100% A2.78E7



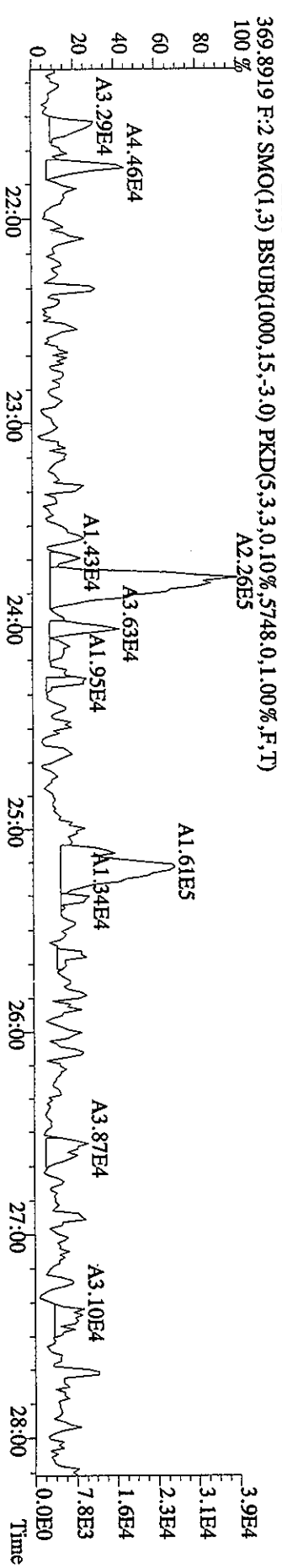
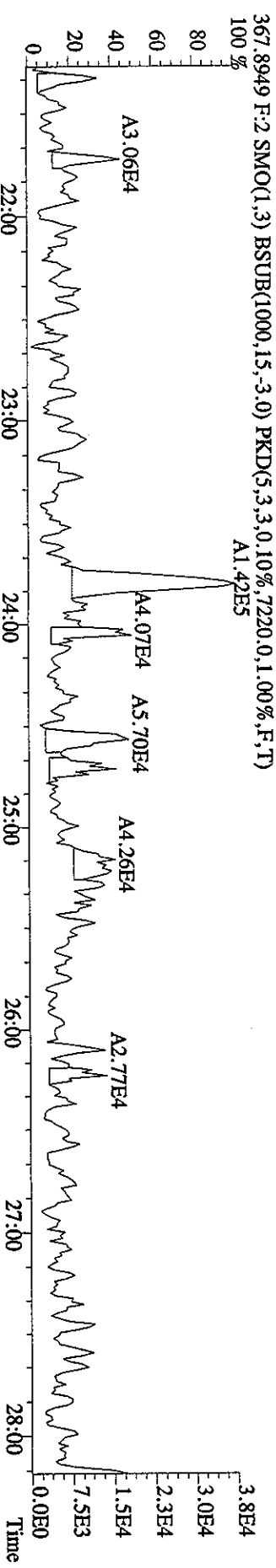
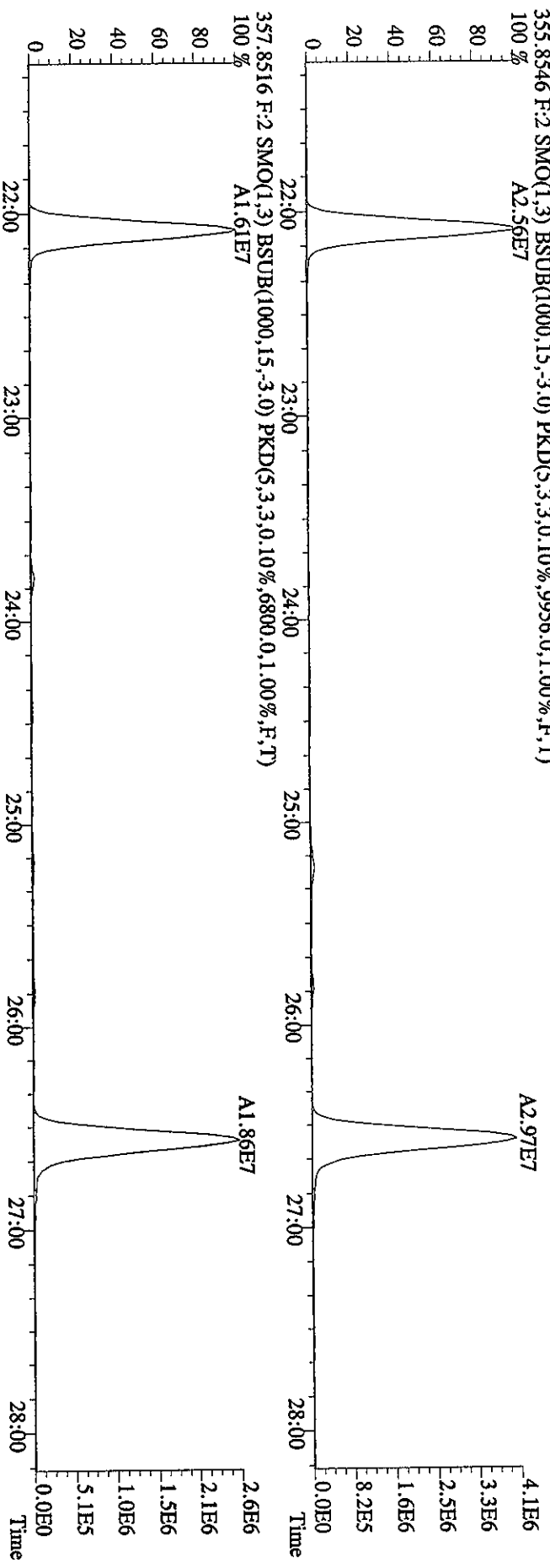
File:17MR061D5 #1-393 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565-47 Exp:DIOXIN
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7112.0,1.00%,F,T)
 100 %



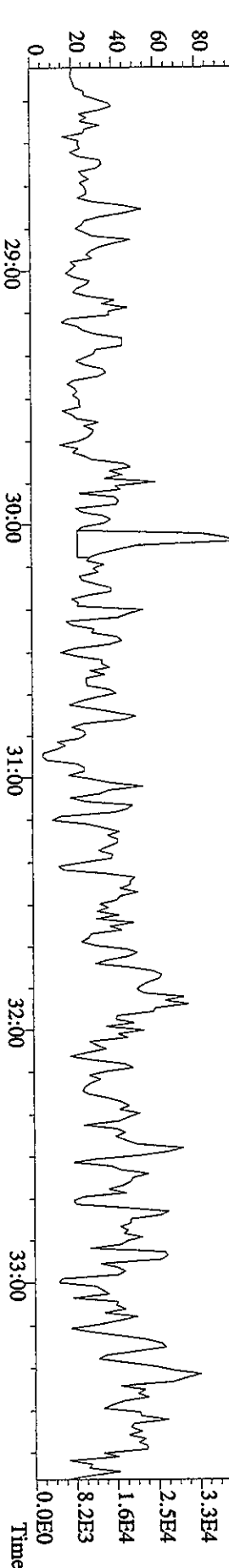
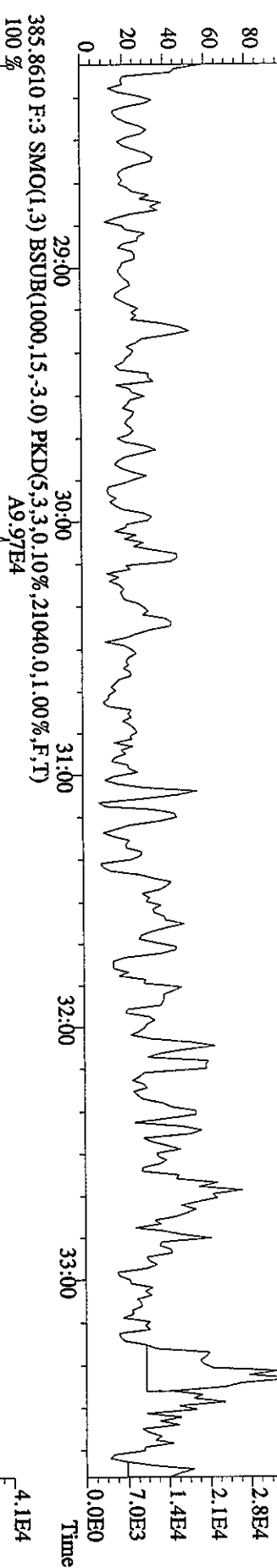
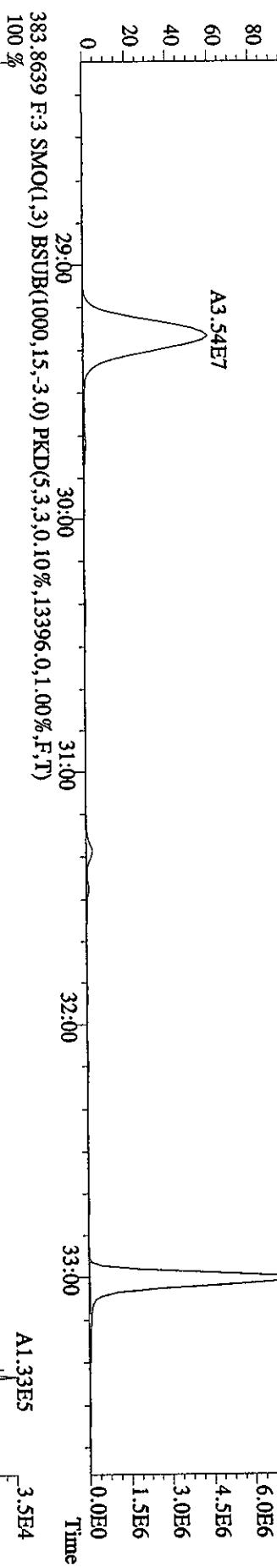
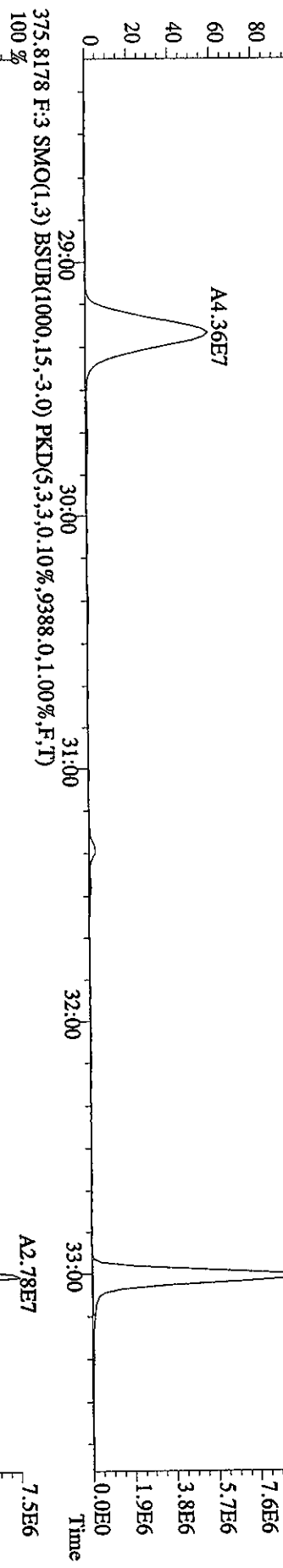
File:17MR061D5 #1-487 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565-47 Exp:DIOXIN
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5700,0.1,00%,F,T)
 100 %



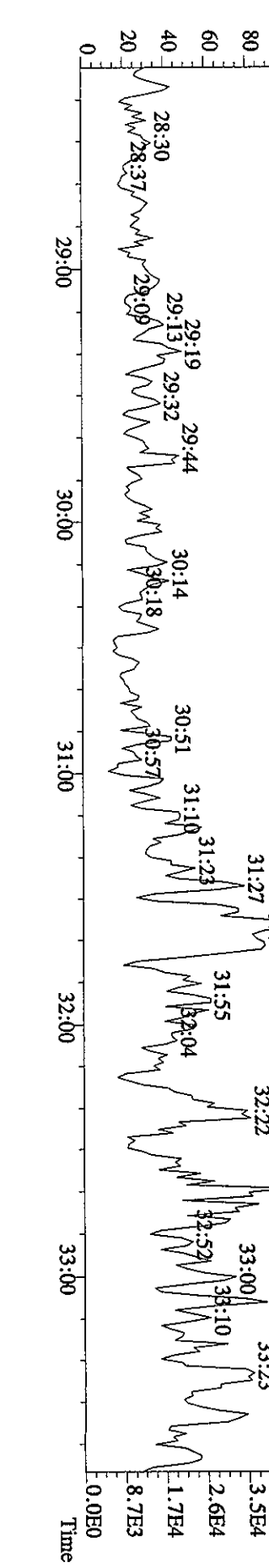
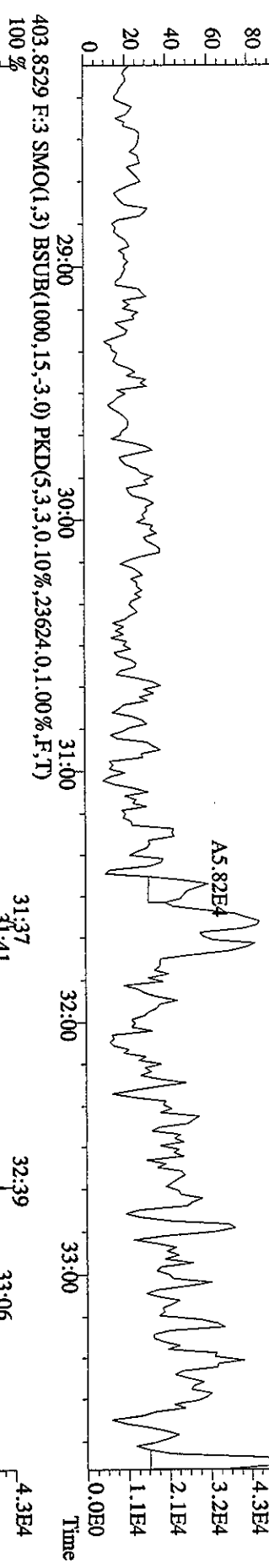
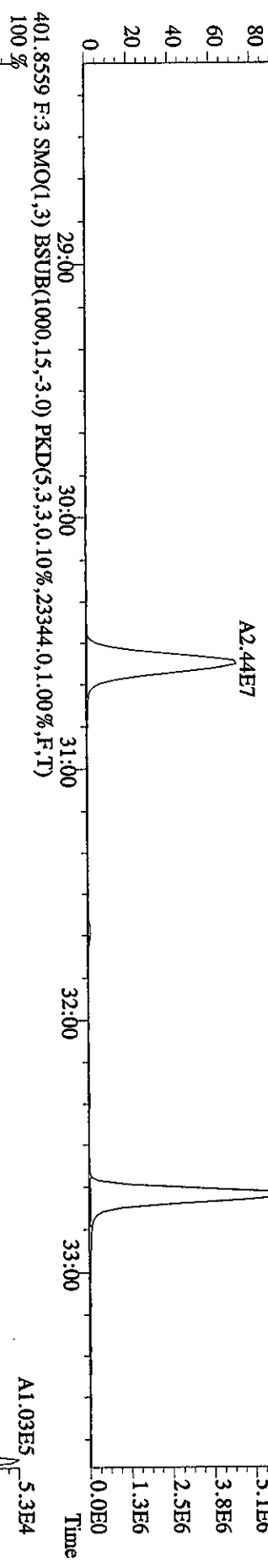
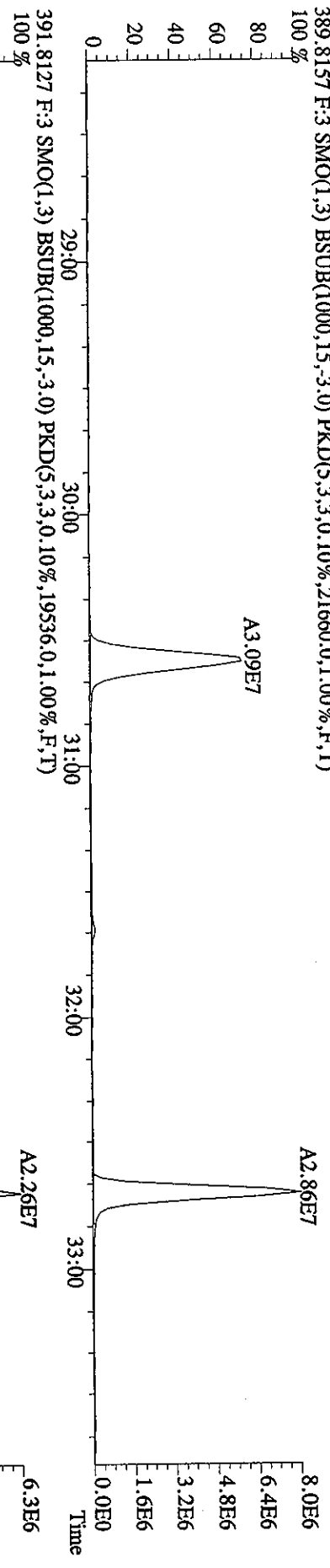
File:17MR061D5 #1-487 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565-47 Exp:DIOXIN
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9956,0,1,00%,F,T)
 100 % A2.56E7



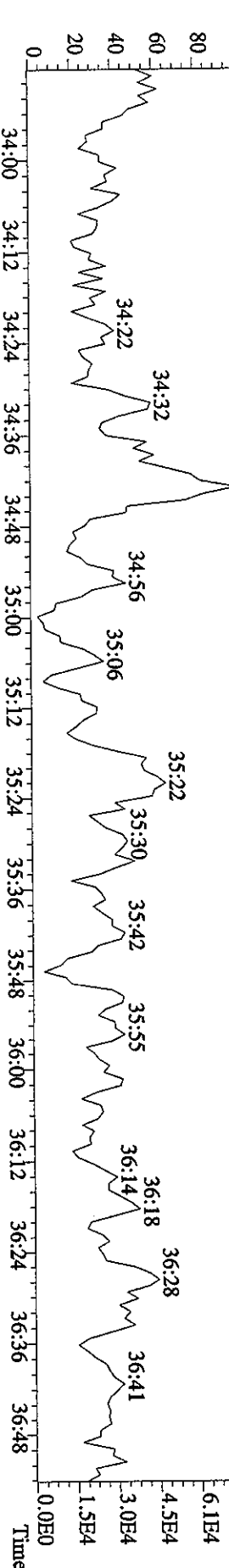
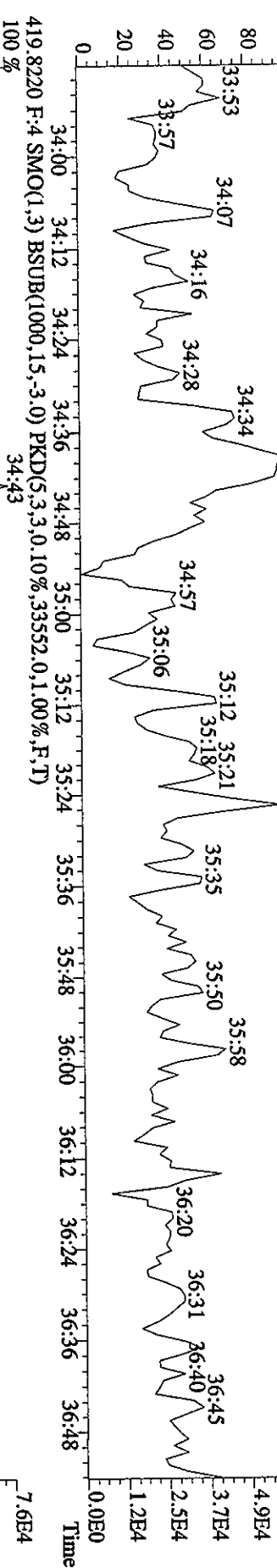
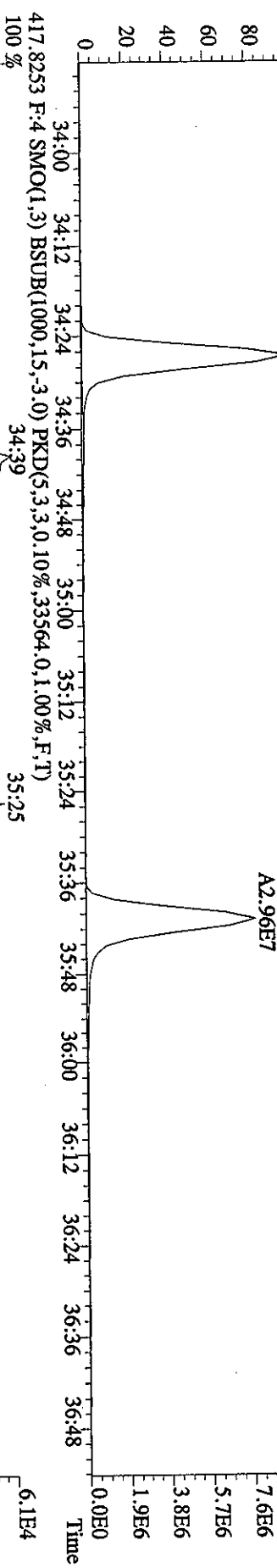
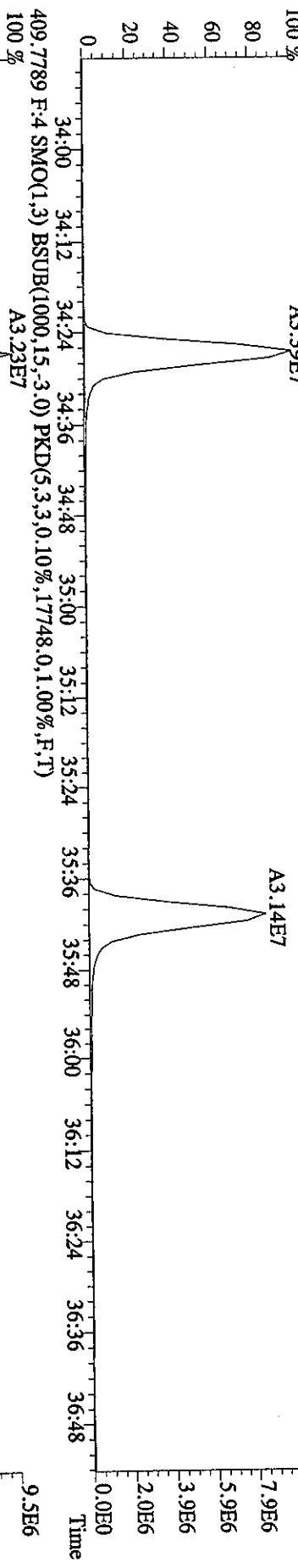
File: 17MR061D5 #1-375 Acq: 17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP0317 :DB-5 CPSM 2565-47 Exp: DIOXIN
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18308,0.1,0.00%,F,T) 100%



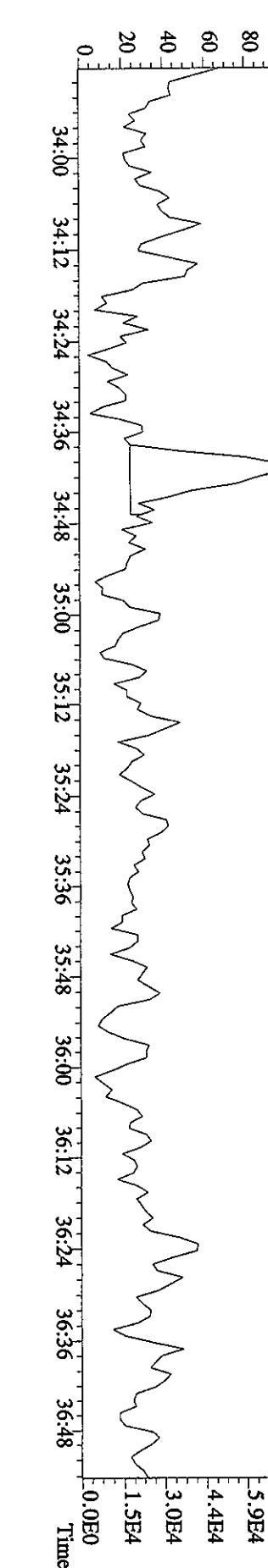
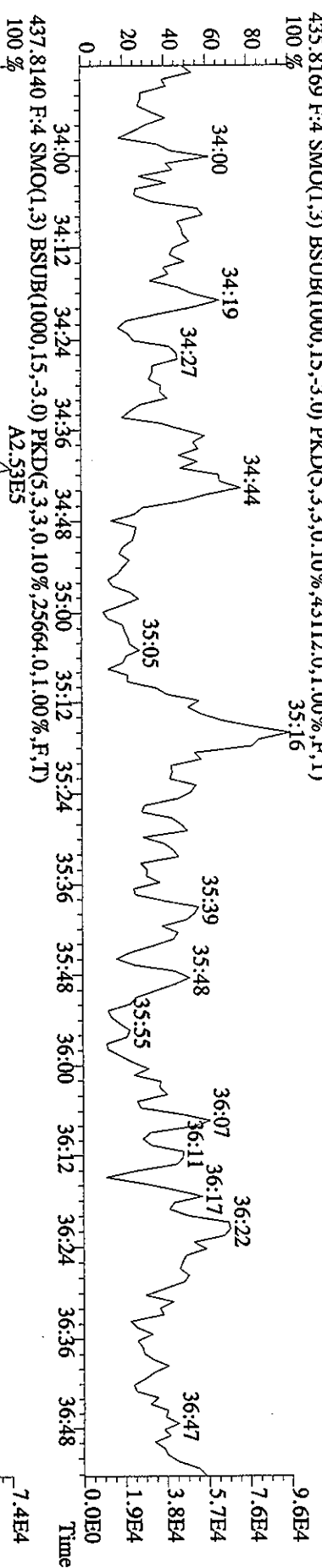
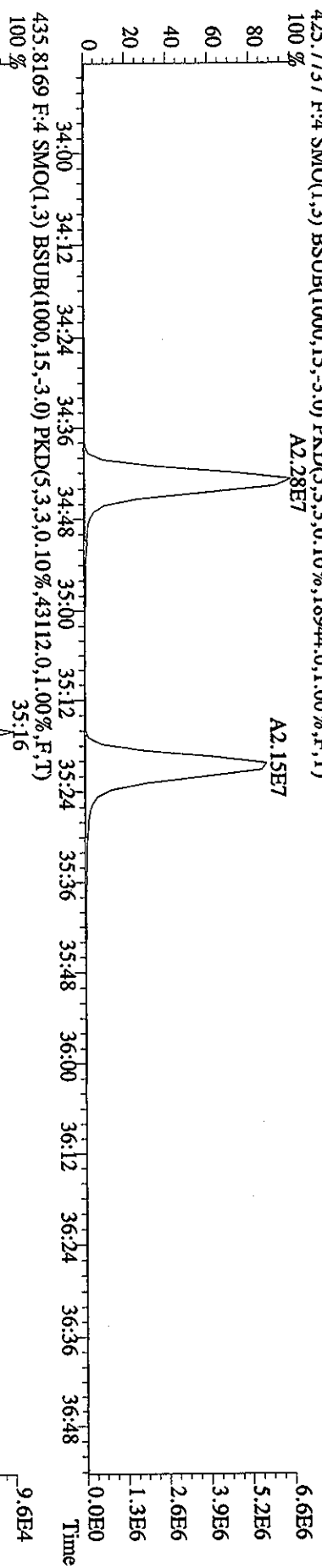
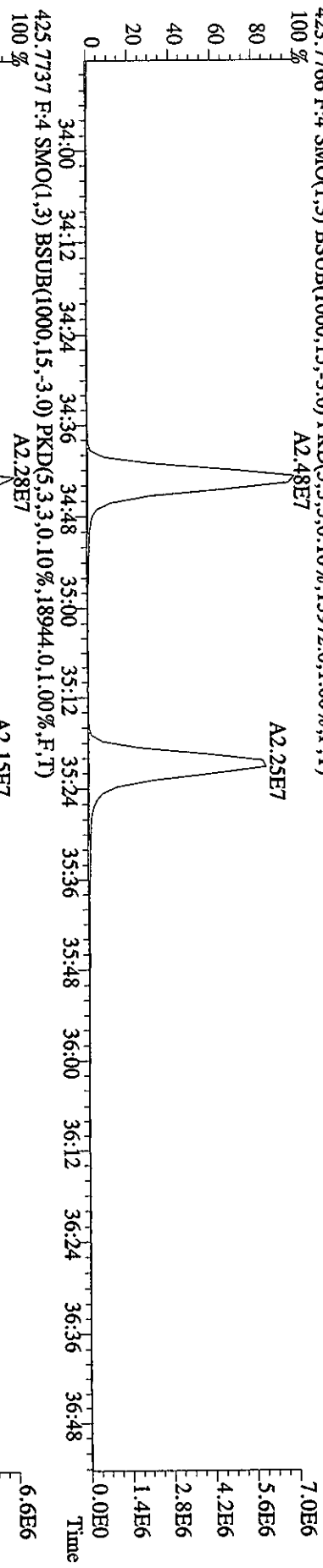
File:17MR061D5 #1-375 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CPSM 2565-47 Exp:DIOXIN
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,21660,0,1.00%,F,T)
 100 %



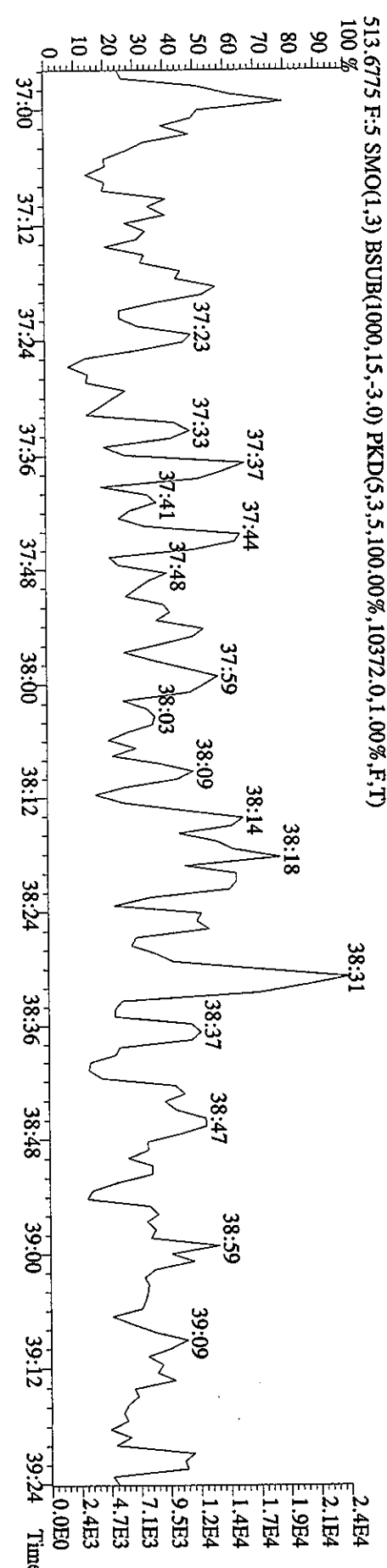
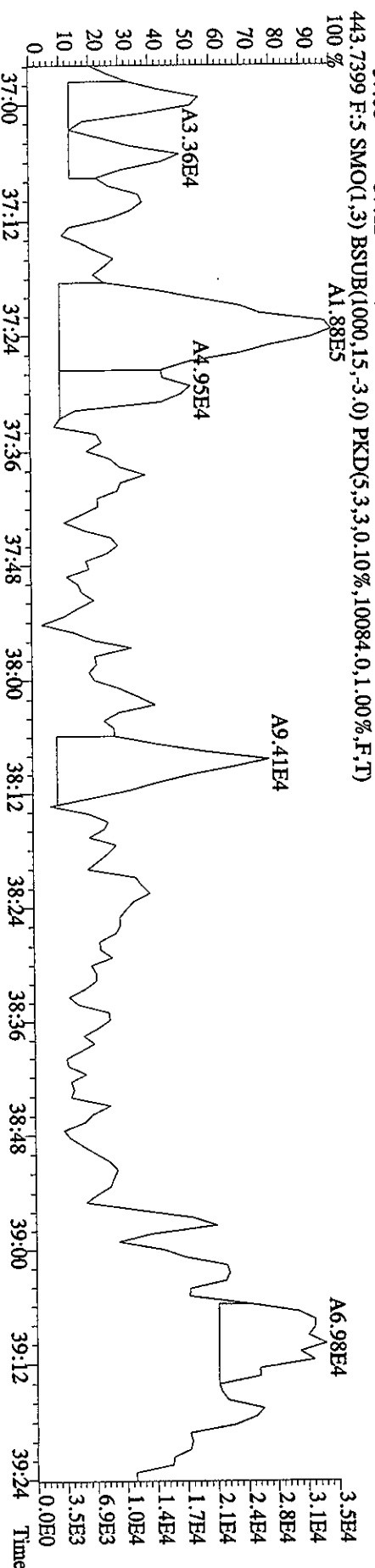
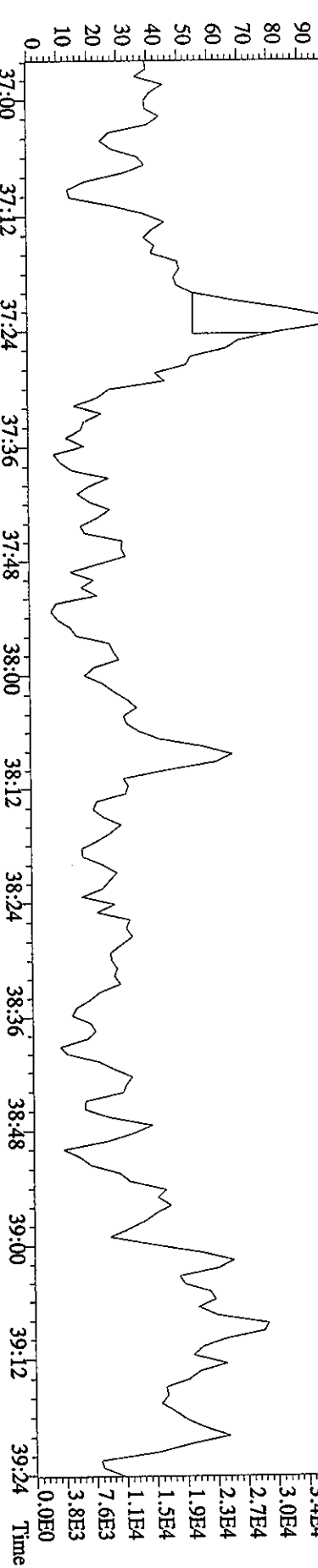
File:17MR061D5 #1-219 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565-47 Exp:DIOXIN
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27364,0.1,0.00%,F,T)



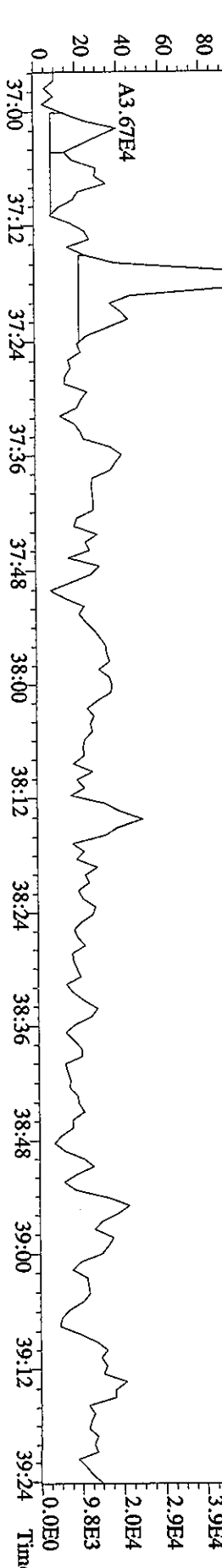
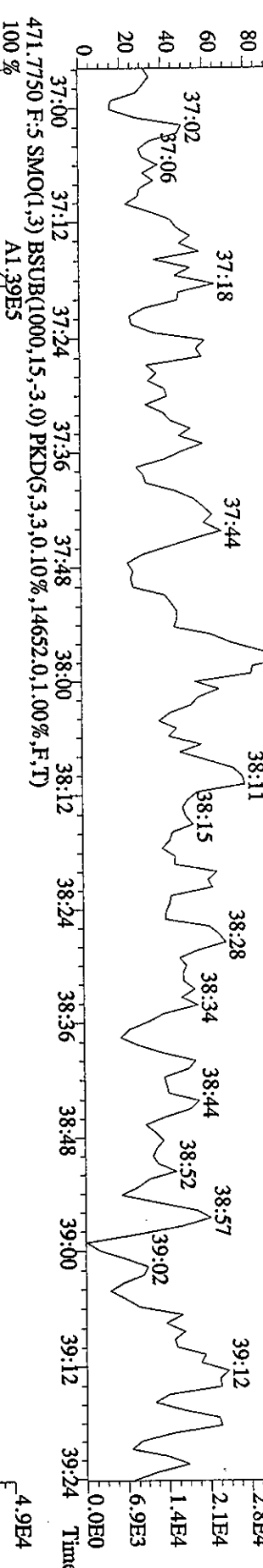
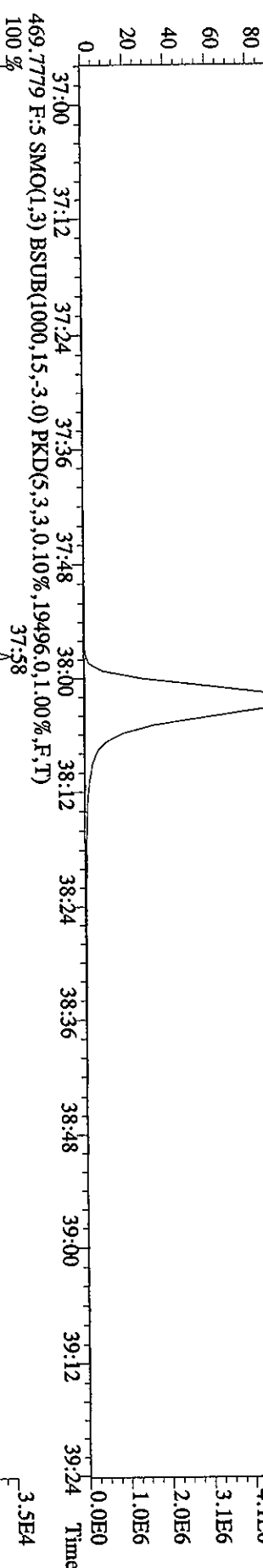
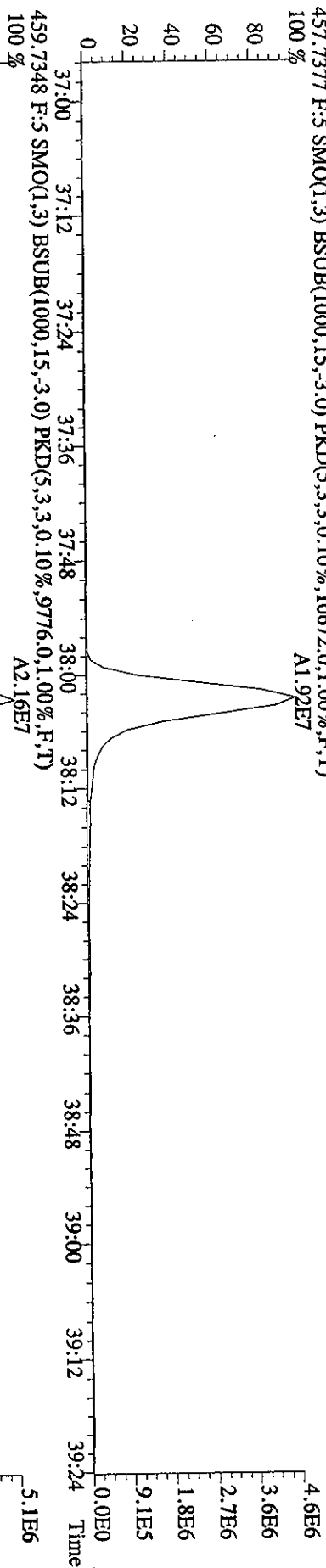
File:17MR061D5 #1-219 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CPSM 2565-47 Exp:DIOXIN
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,15972.0,1.00%,F,T)
 100 % A2.48E7



File: 17MR061D5 #1-179 Acq: 17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP0317 : DB-5 CP5M 2565.47 Exp: DIOXIN
 441.7428 F.:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,12292.0,1.00%,F,T)

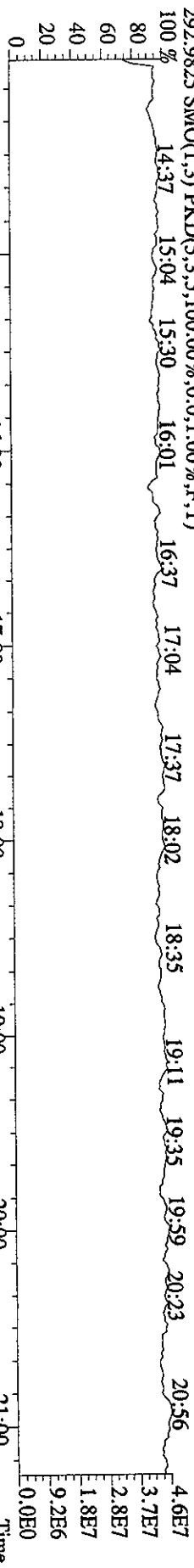


File:17MR061D5 #1-179 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565-47 Exp:DIOXIN
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10672,0,1.00%,F,T) A1.92E7

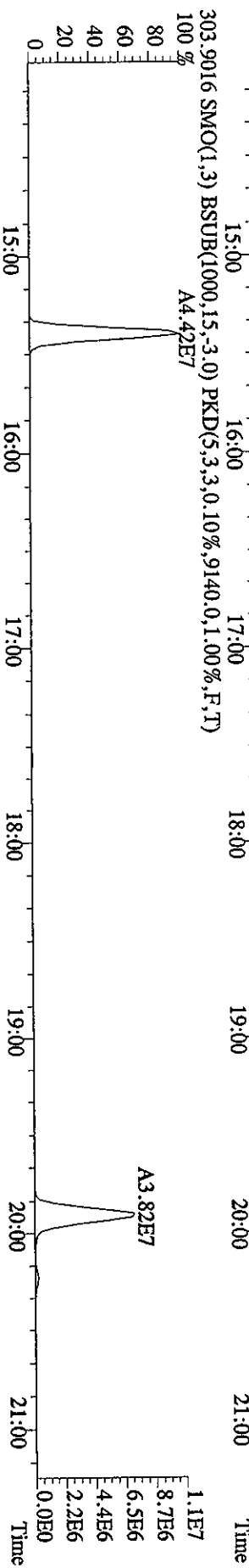


Sample#1 Text:CP0317 :DB-5-CP/SM 2565-47 Exp:DIOXIN

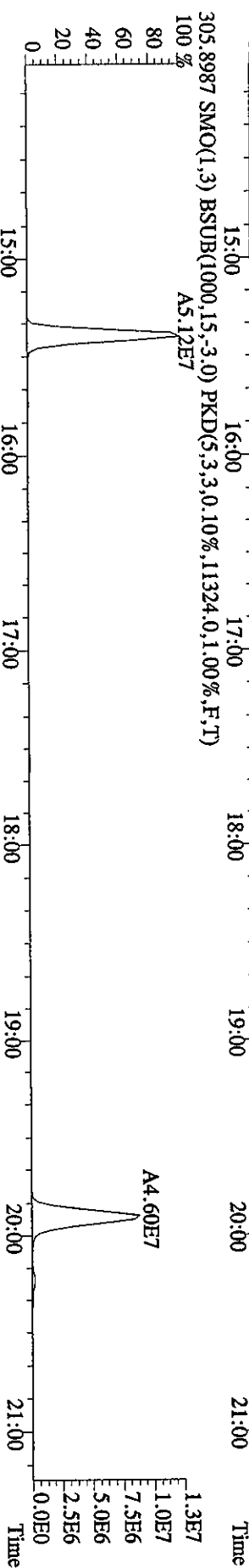
292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



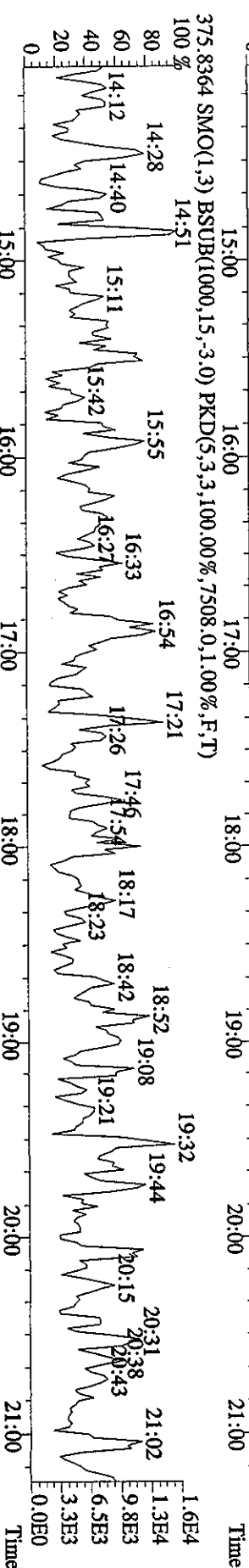
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9140,0,1.00%,F,T)



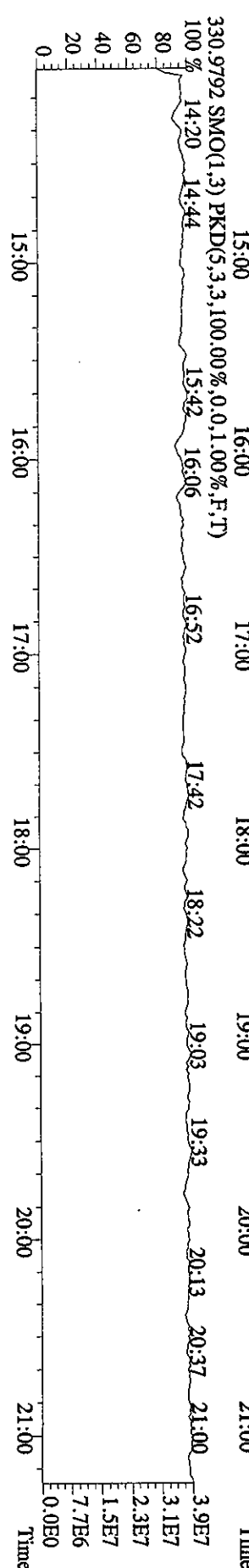
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11324,0,1.00%,F,T)



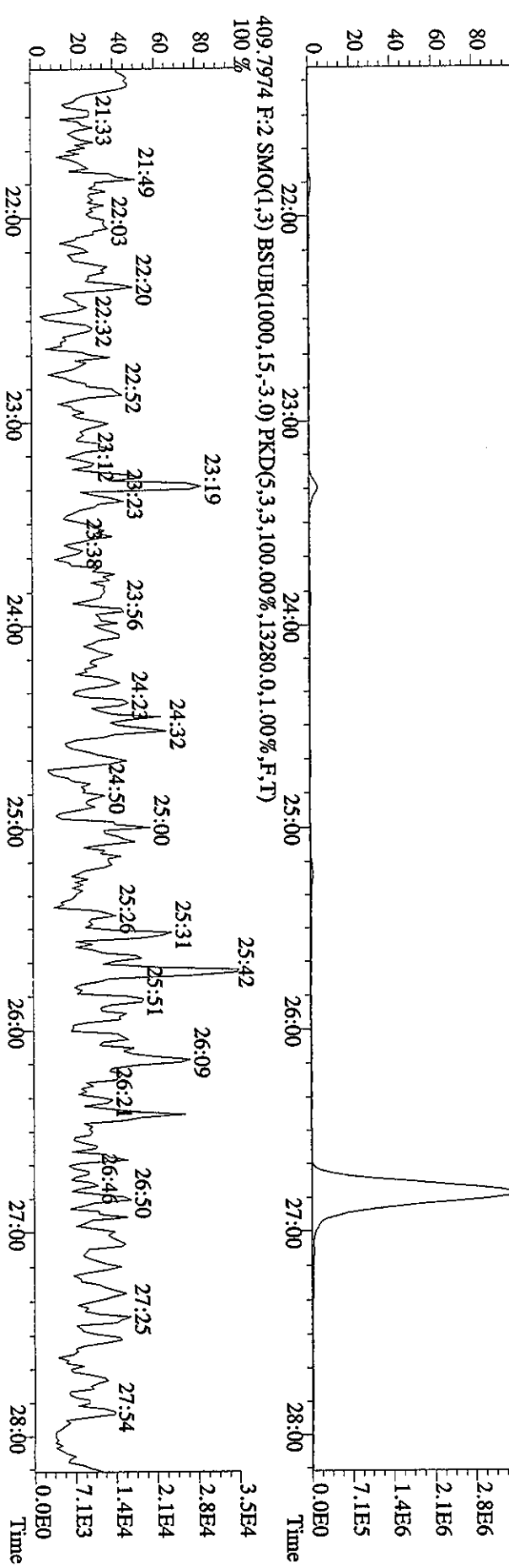
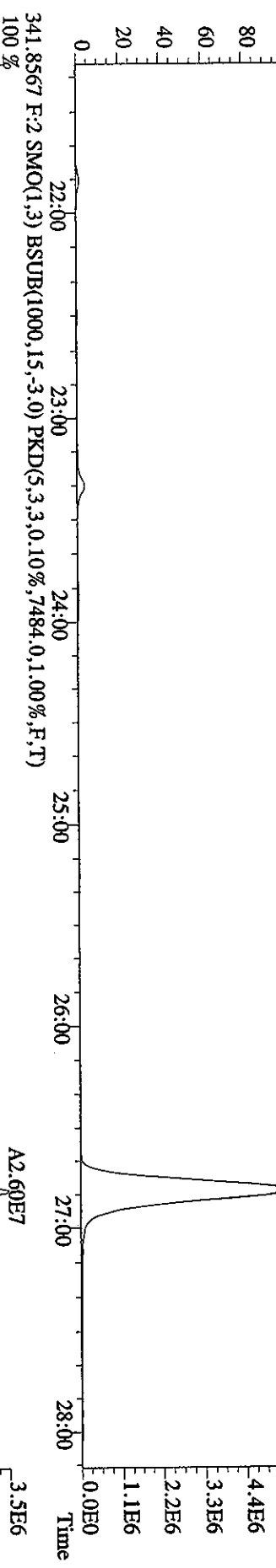
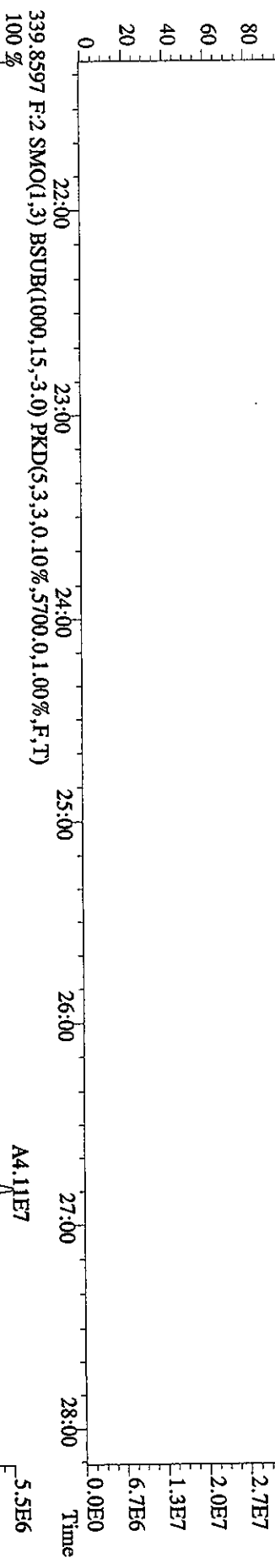
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7508,0,1.00%,F,T)

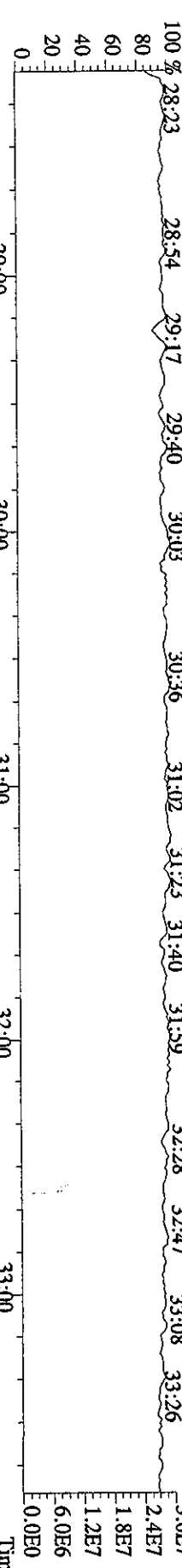
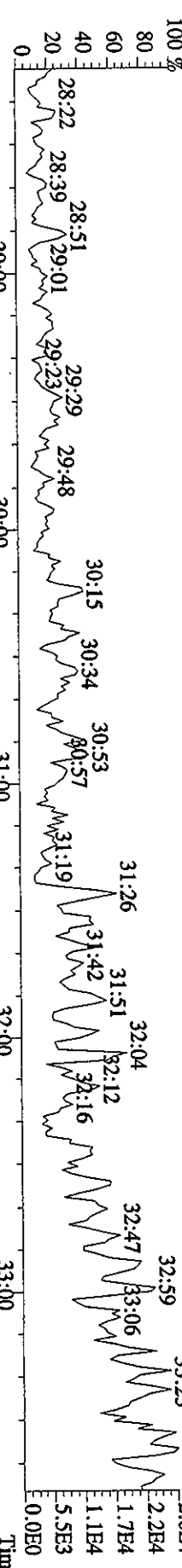
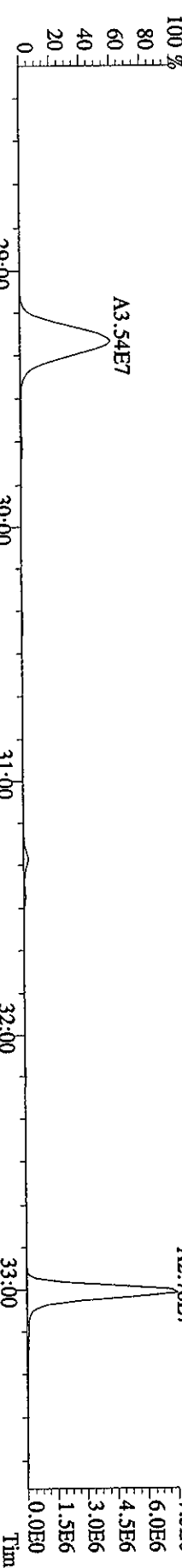
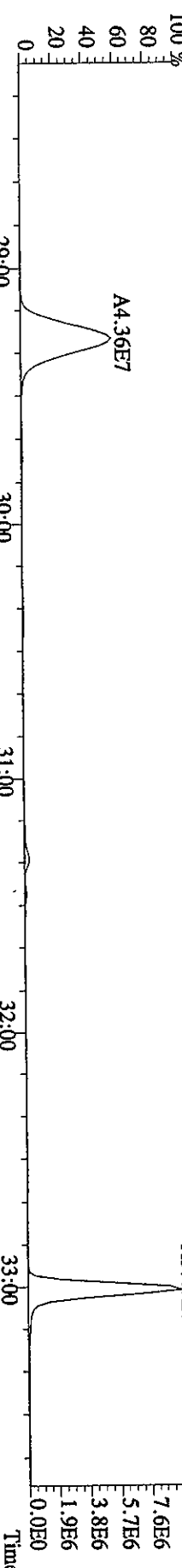
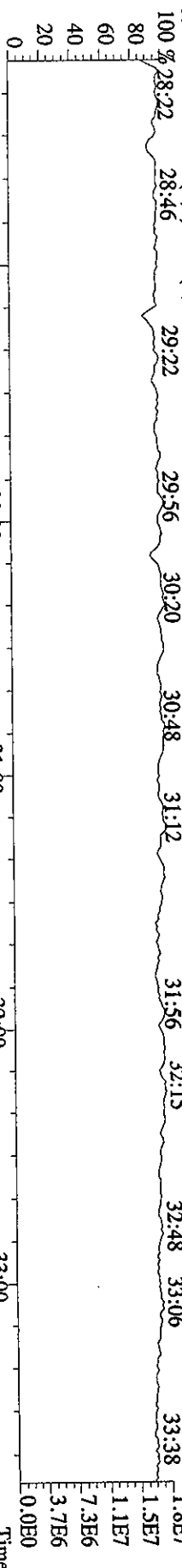


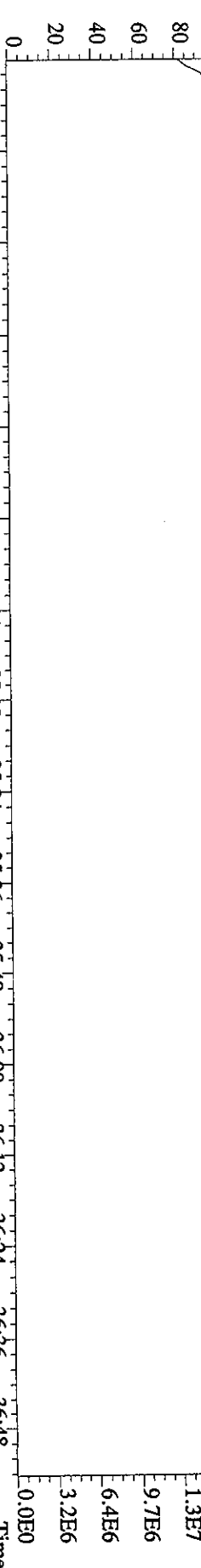
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



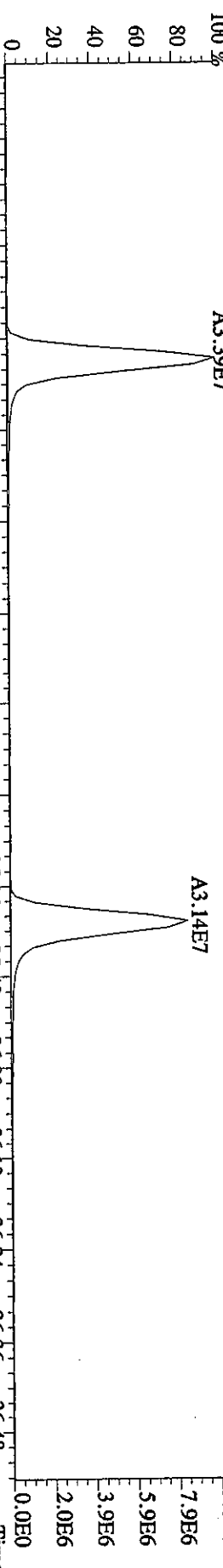
File:17MR061D5 #1487 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565.47 Exp:DIOXIN
 342.9792 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 100% 21:44 22:07 22:40 23:11 24:04 24:26 24:48 25:24 25:45 26:08 26:36 27:03 27:36 27:58 3.3E7



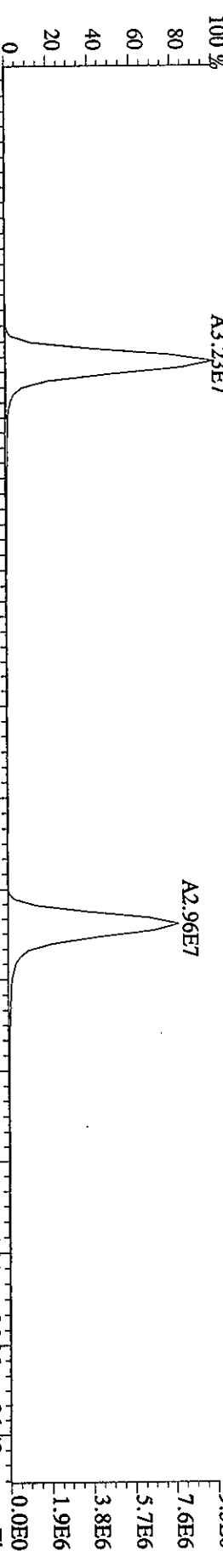




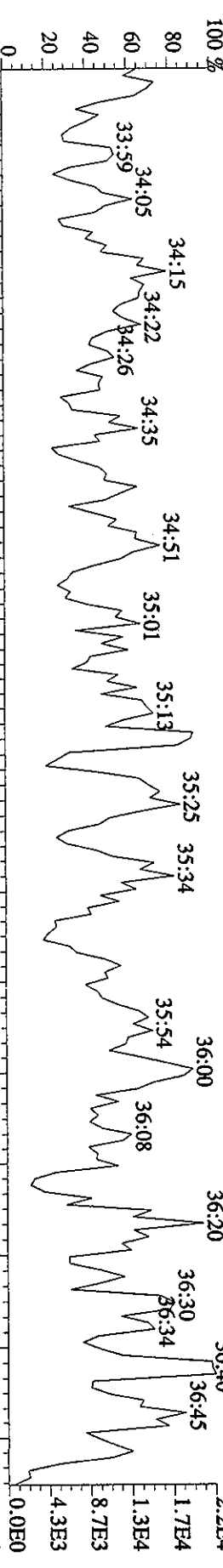
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27364.0,1.00%,F,T)



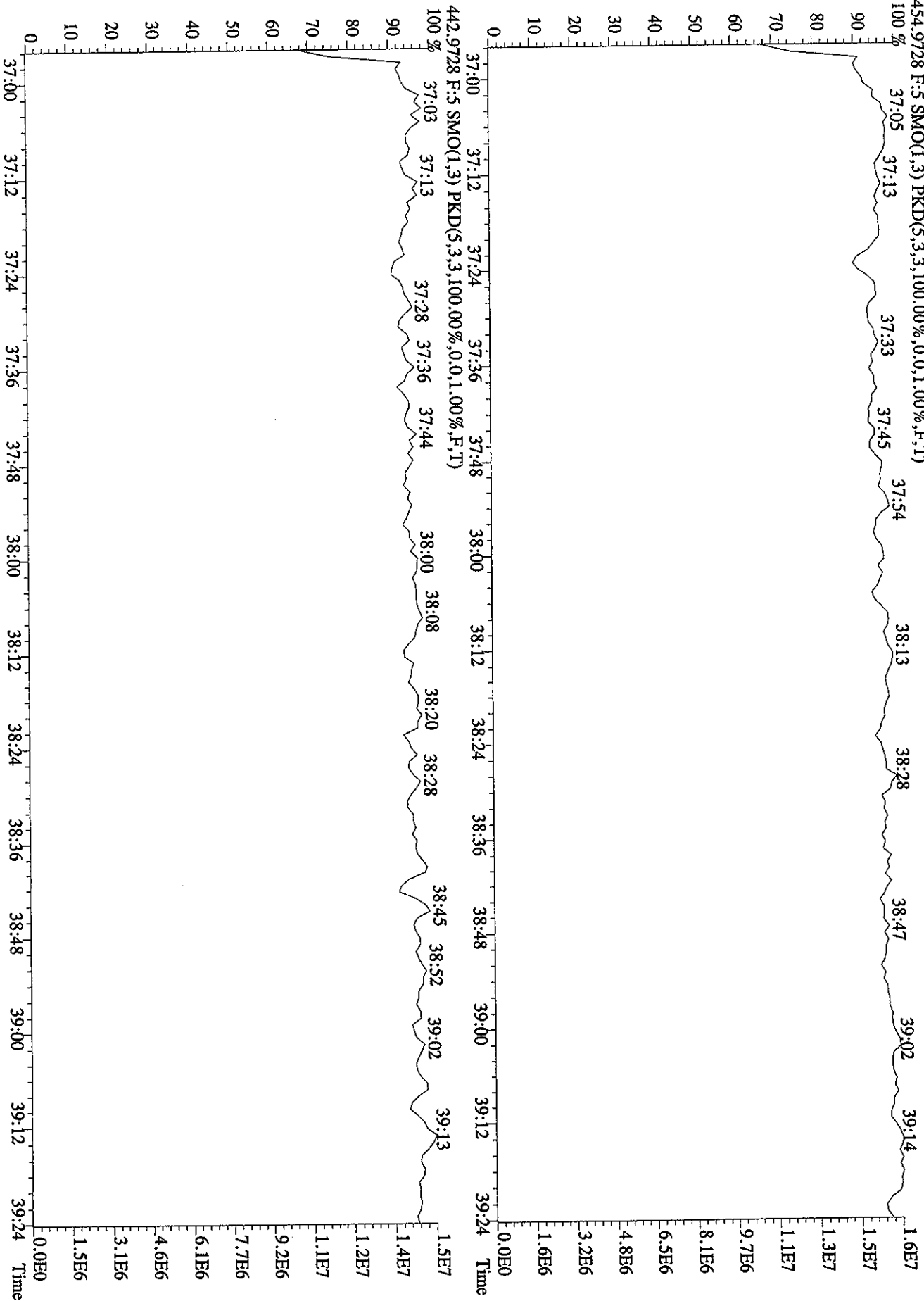
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17748.0,1.00%,F,T)



479.7165 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,14272.0,1.00%,F,T)



File:17MR061D5 #1-179 Acq:17-MAR-2006 09:02:00 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0317 :DB-5 CP5M 2565-47 Exp:DIOXIN
 454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Quantitation Summary

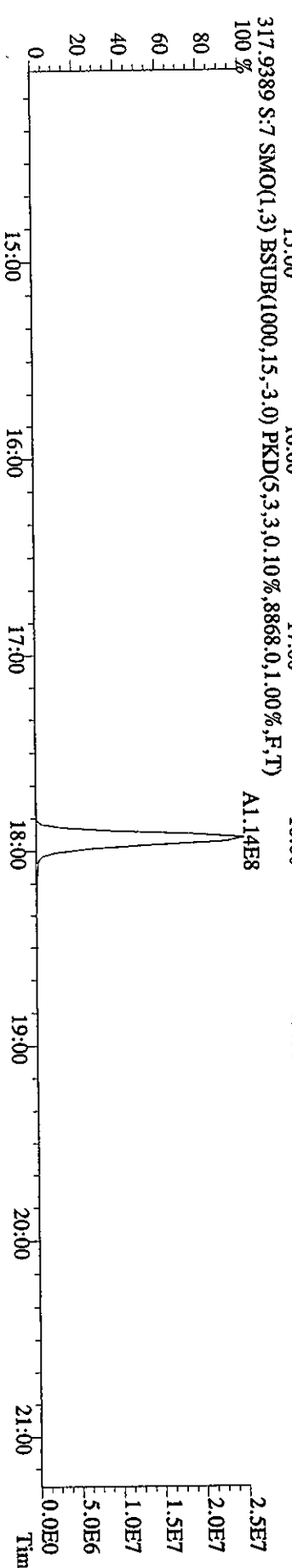
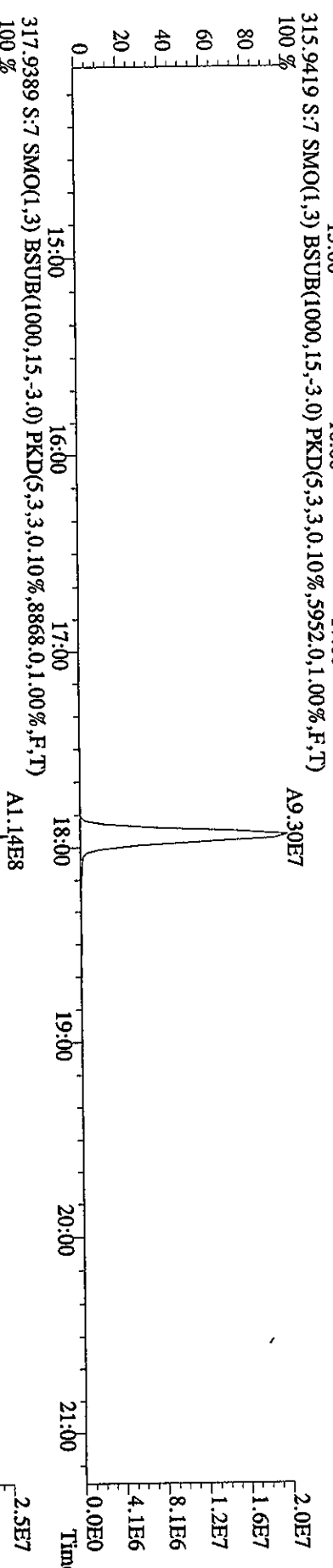
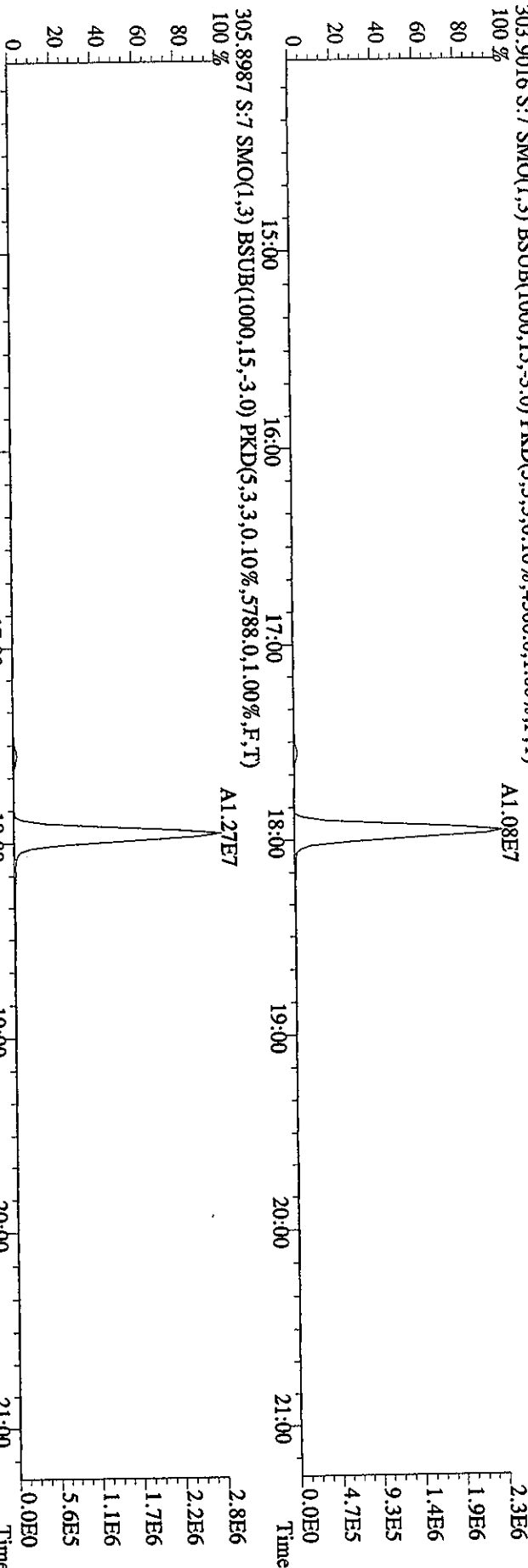
STL

Run text: ST0317E Sample text: ST0317E :2nd Source 2565-65
 Run #6 Filename: 17MR061D5 S: 7 I: 1 Results: 17MR061D51613
 Acquired: 17-MAR-06 13:17:42 Processed: 17-MAR-06 13:57:58
 Run: 17MR061D5 Analyte: 1613 Cal: 16130317061D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.000000

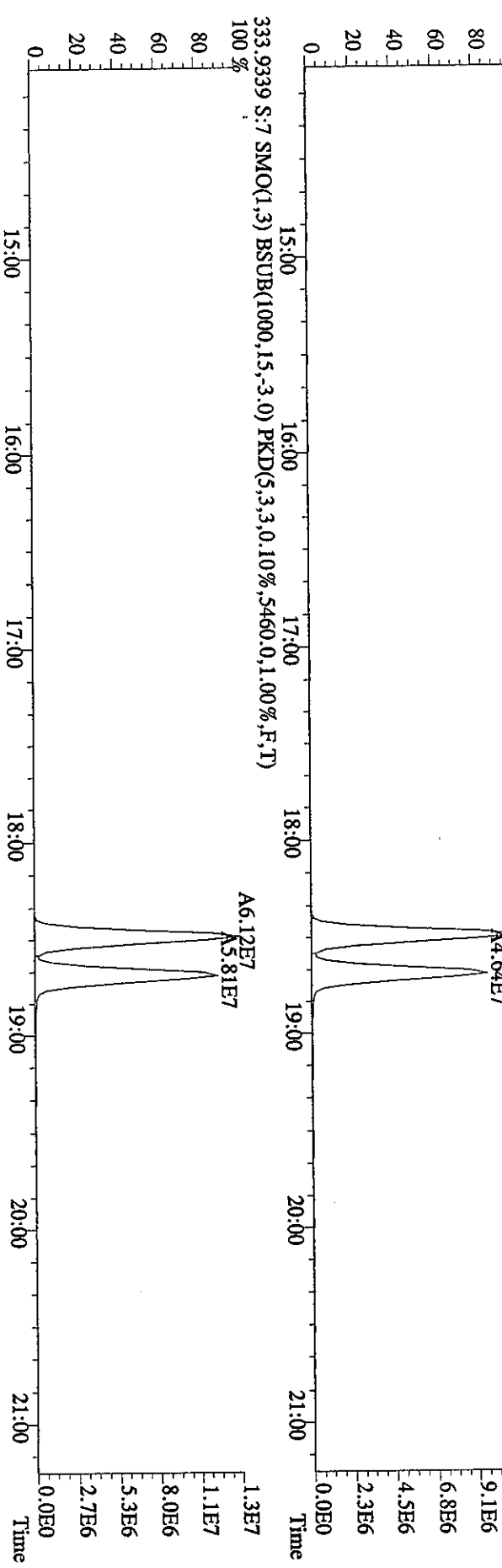
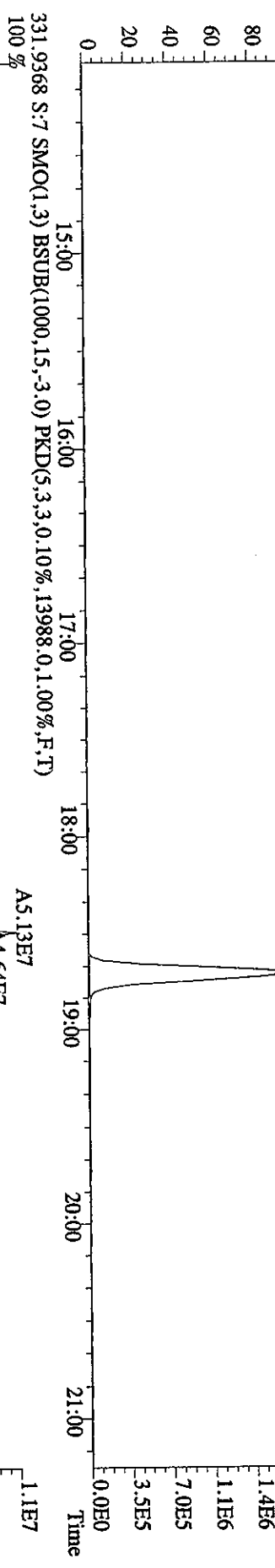
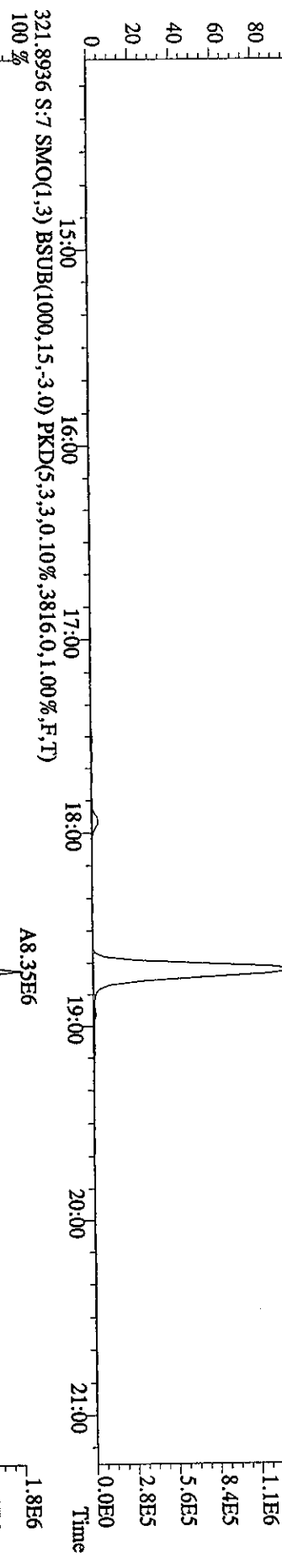
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	112447400	0.84 y	18:29	-	95.51	-	4.8	n
13C-2,3,7,8-TCDF	207182900	0.81 y	17:56	1.70	2167.28	2.12	108.4	n
2,3,7,8-TCDF	23519900	0.85 y	17:57	1.10	205.70	1.22	-	n
Total TCDF	23880169	0.68 y	17:33	1.10	208.85	1.22	-	n
13C-2,3,7,8-TCDD	104522800	0.80 y	18:42	0.87	2139.99	5.44	107.0	n
2,3,7,8-TCDD	15073780	0.80 y	18:43	1.42	203.27	1.45	-	n
Total TCDD	15168040	0.31 n	16:15	1.42	204.54	1.45	-	n
37Cl-2,3,7,8-TCDD	144324	1.00 y	18:42	2.41	1.07	1.20	0.1	n
13C-1,2,3,7,8-PeCDF	159894600	1.60 y	23:15	1.42	2002.32	2.07	100.1	n
1,2,3,7,8-PeCDF	48711100	1.54 y	23:17	1.04	583.85	2.18	-	n
13C-2,3,4,7,8-PeCDF	156671500	1.61 y	24:40	1.41	1981.57	2.10	99.1	n
2,3,4,7,8-PeCDF	45657600	1.56 y	24:42	1.09	536.41	2.31	-	n
Total F2 PeCDF	95815274	1.82 n	21:48	1.06	1137.42	2.25	-	n
Total F1 PeCDF	30548	1.16 n	15:23	1.06	0.36	1.69	-	n
13C-1,2,3,7,8-PeCDD	97118200	1.58 y	25:25	0.83	2070.04	2.73	103.5	n
1,2,3,7,8-PeCDD	26236200	1.56 y	25:28	1.05	512.66	3.61	-	n
Total PeCDD	26480600	3.51 n	23:15	1.05	517.43	3.61	-	n
13C-1,2,3,7,8,9-HxCDD	95714500	1.32 y	32:42	-	88.55	-	-	n
13C-1,2,3,4,7,8-HxCDF	118795200	0.53 y	31:15	1.33	1859.43	2.12	93.0	n
1,2,3,4,7,8-HxCDF	40424900	1.25 y	31:16	1.14	598.68	2.87	-	n
13C-1,2,3,6,7,8-HxCDF	134989200	0.53 y	31:24	1.35	2093.45	2.10	104.7	n
1,2,3,6,7,8-HxCDF	44967900	1.24 y	31:25	1.22	545.09	2.37	-	n
13C-2,3,4,6,7,8-HxCDF	128297600	0.53 y	32:07	1.26	2124.78	2.25	106.2	n
2,3,4,6,7,8-HxCDF	40653100	1.26 y	32:08	1.20	530.17	2.23	-	n
13C-1,2,3,7,8,9-HxCDF	120254100	0.52 y	32:54	1.19	2106.96	2.38	105.3	n
1,2,3,7,8,9-HxCDF	39886300	1.24 y	32:54	1.23	541.35	2.29	-	n
Total HxCDF	165932200	1.25 y	31:16	1.19	2215.28	2.43	-	n
13C-1,2,3,4,7,8-HxCDD	90591200	1.27 y	32:17	0.86	2204.72	2.62	110.2	n
1,2,3,4,7,8-HxCDD	27357600	1.24 y	32:18	1.11	546.50	2.07	-	n
13C-1,2,3,6,7,8-HxCDD	97346200	1.29 y	32:23	0.97	2091.00	2.31	104.5	n
1,2,3,6,7,8-HxCDD	26822300	1.30 y	32:24	1.07	515.65	2.00	-	n
1,2,3,7,8,9-HxCDD	29668700	1.26 y	32:43	1.17	541.31	1.89	-	n
Total HxCDD	84326317	3.60 n	31:15	1.11	1612.61	1.99	-	n
13C-1,2,3,4,6,7,8-HpCDF	104871500	0.45 y	34:25	1.06	2065.42	6.95	103.3	n
1,2,3,4,6,7,8-HpCDF	38881900	1.04 y	34:26	1.37	542.05	2.43	-	n
13C-1,2,3,4,7,8,9-HpCDF	90824400	0.45 y	35:39	0.92	2066.76	8.03	103.3	n
1,2,3,4,7,8,9-HpCDF	34821700	1.03 y	35:40	1.42	538.69	3.03	-	n
Total HpCDF	73869971	1.04 y	34:26	1.39	1083.18	2.71	-	n

13C-1,2,3,4,6,7,8-HpCDD	87653700	1.07	y	35:18	0.89	2046.56	5.61	102.3	n
1,2,3,4,6,7,8-HpCDD	25683600	1.03	y	35:19	1.06	553.12	2.38	-	n
Total HpCDD	26734825	2.24	n	34:25	1.06	575.76	2.38	-	n
13C-OCDD	146991100	0.92	y	38:01	0.76	4035.47	6.39	100.9	n
OCDF	55283500	0.91	y	38:08	1.46	1033.72	2.92	-	n
OCDD	43014300	0.90	y	38:02	1.10	1064.42	4.13	-	n

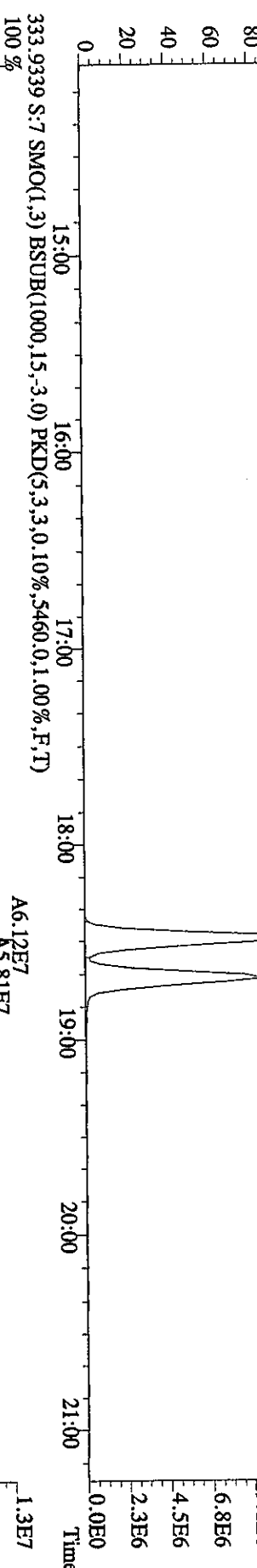
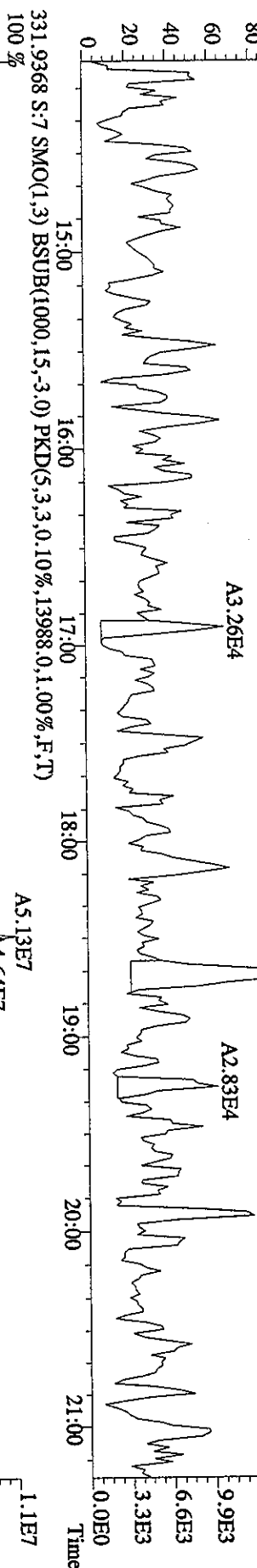
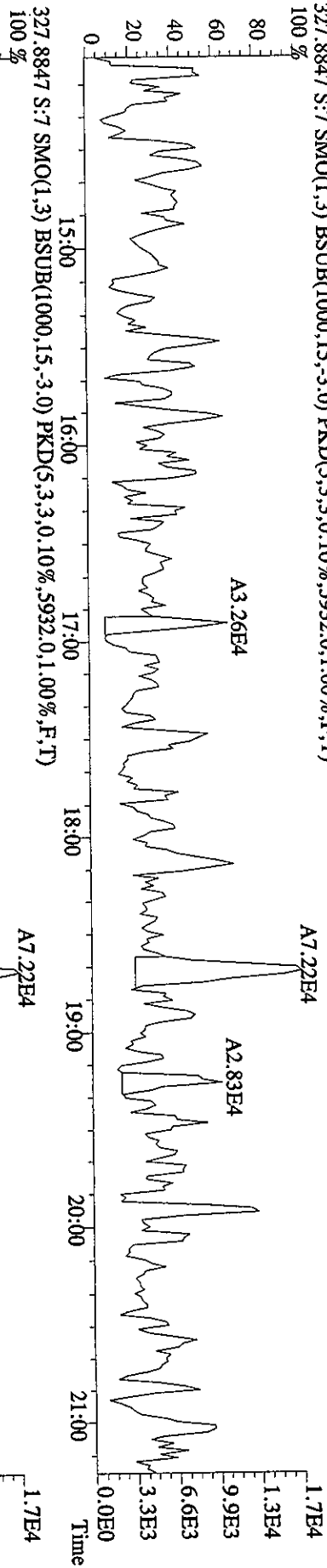
File:17MR061D5 #1-393 Acq:17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0317E :2nd Source 2565-65 Exp:DIOXIN
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4360,0,1,00%,F,T)
 100 %

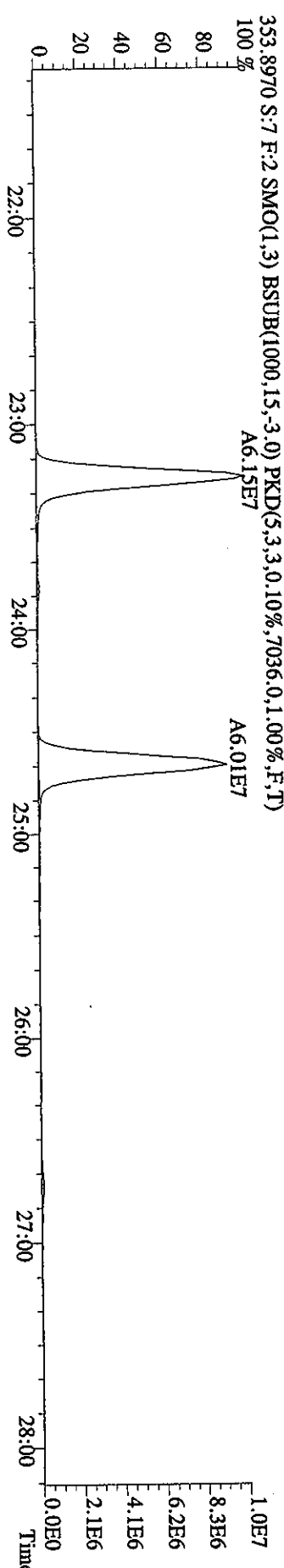
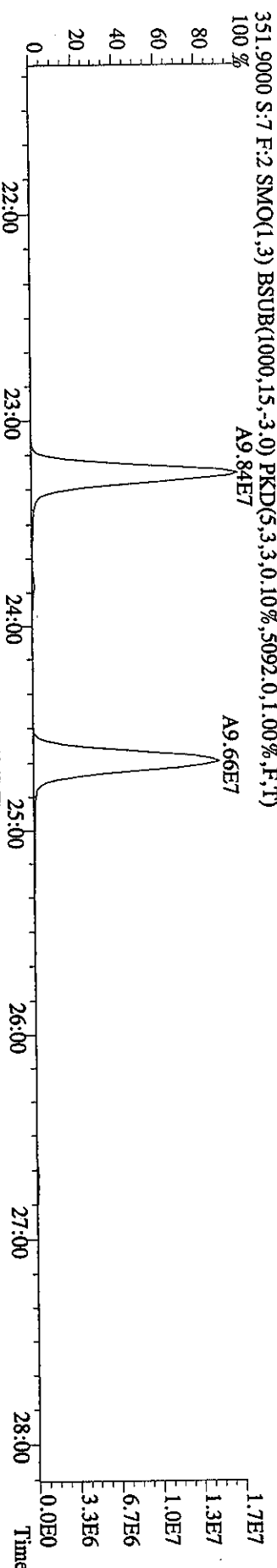
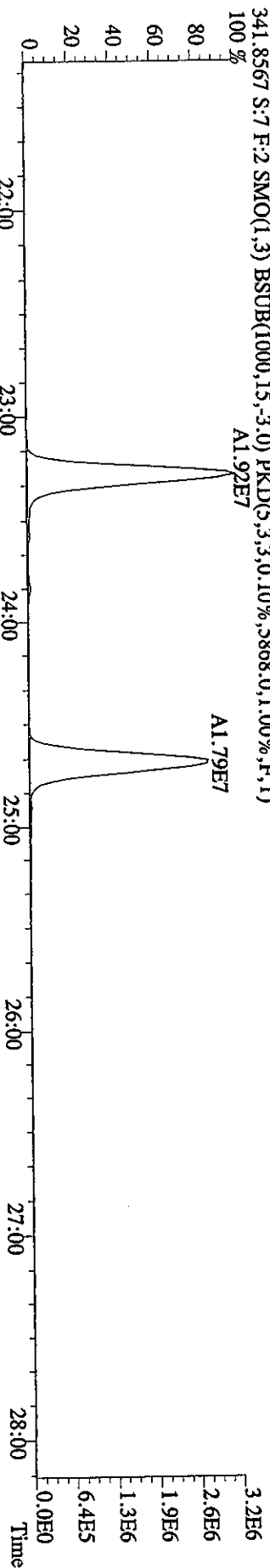
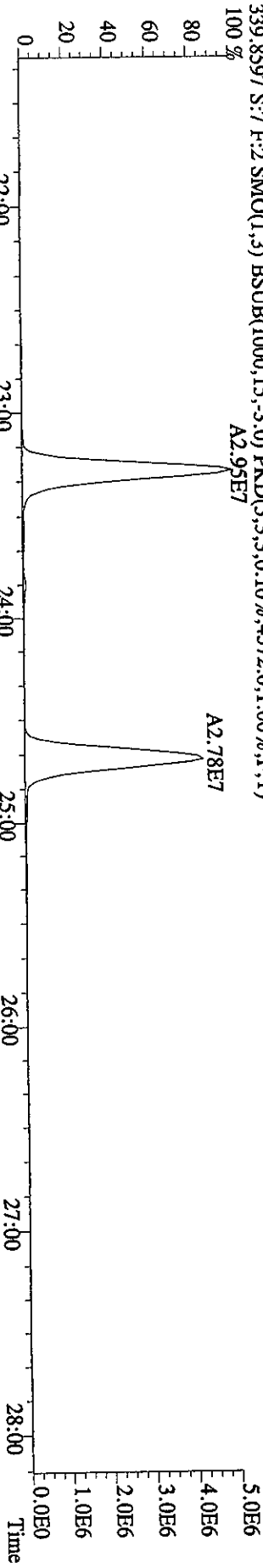


File: 17MR061D5 #1-393 Acq: 17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST0317E :2nd Source 2565-65 Exp: DIOXIN
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3576,0,1,00%,F,T)
 100%

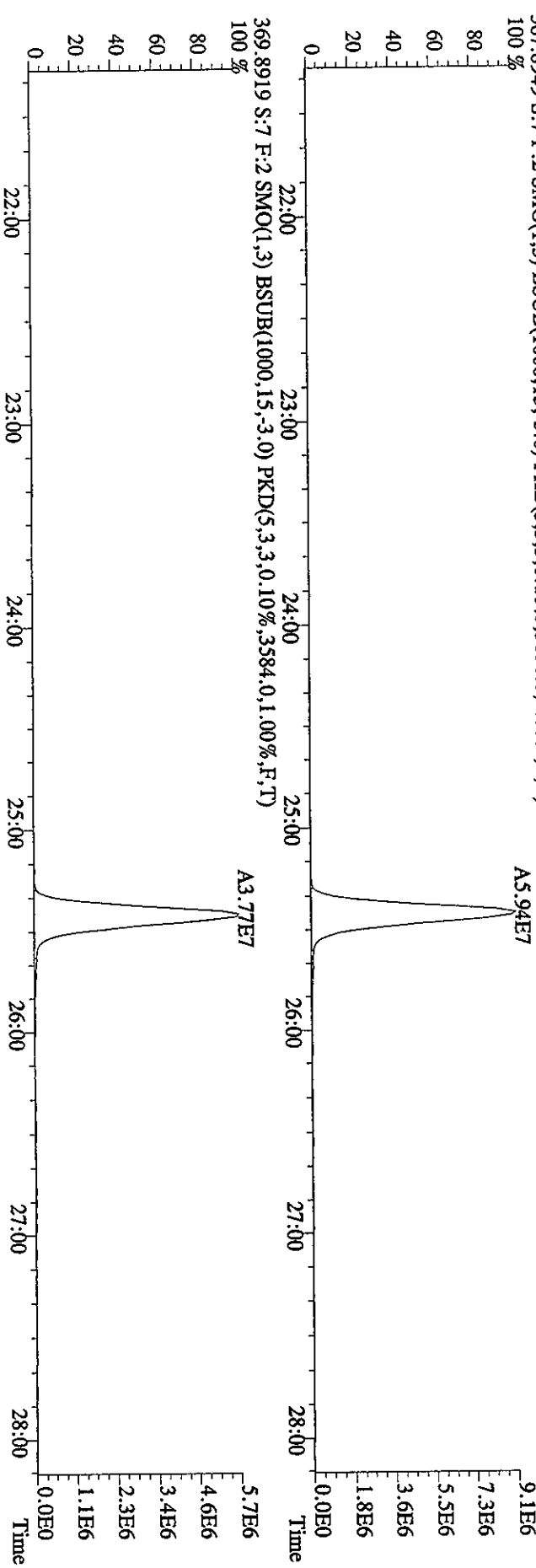
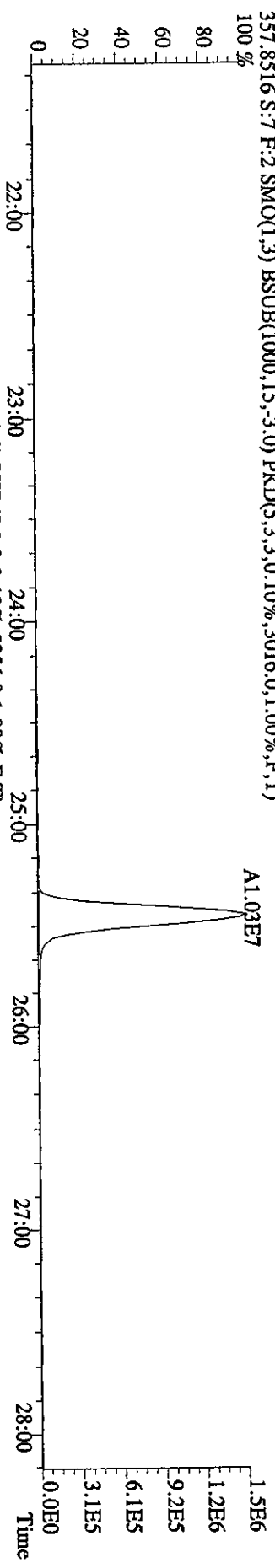
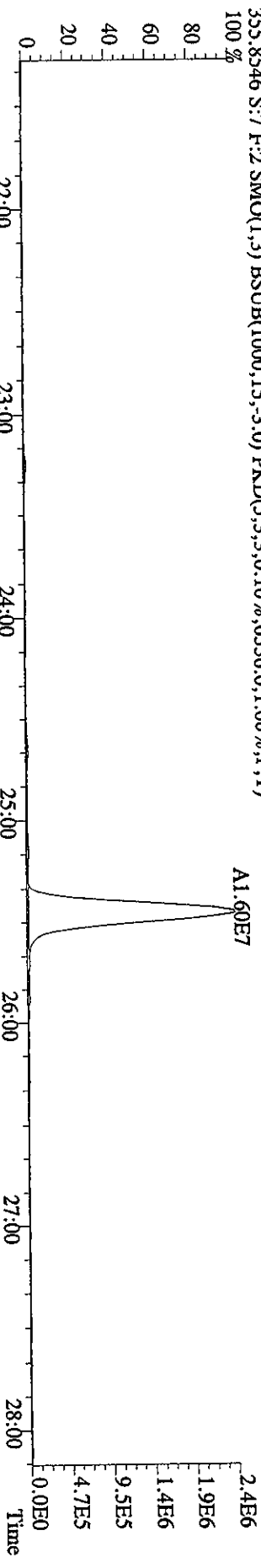


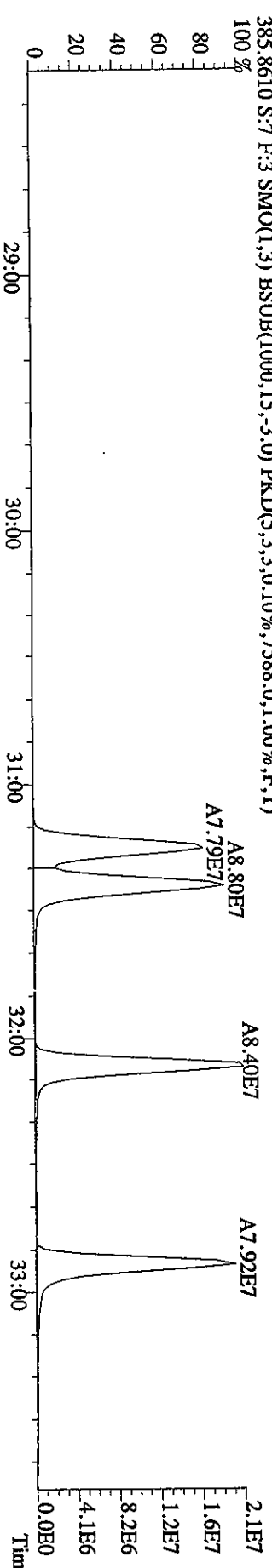
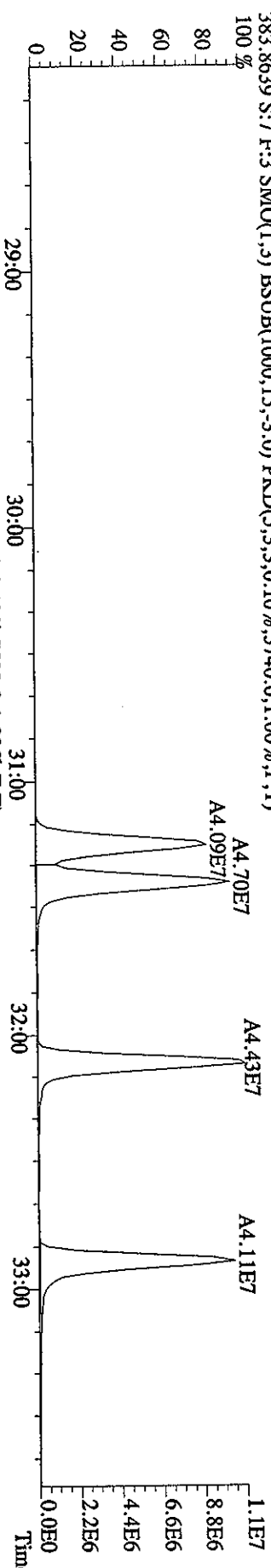
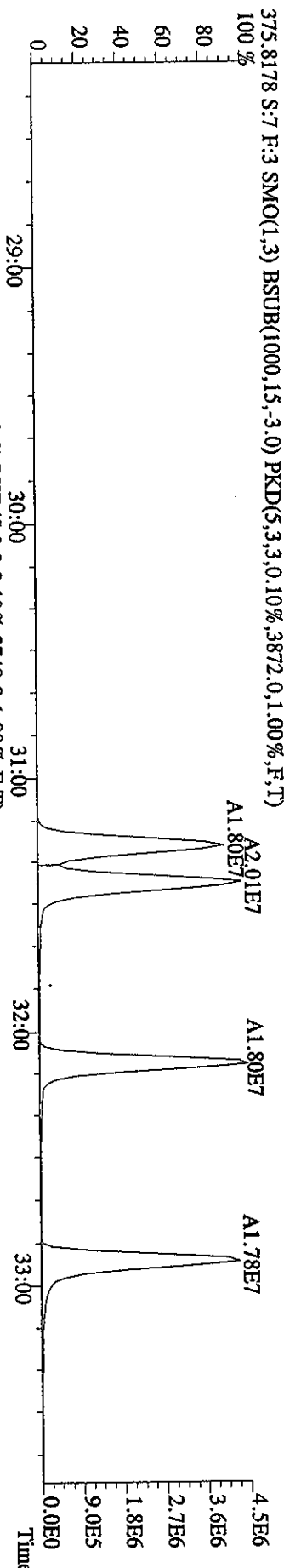
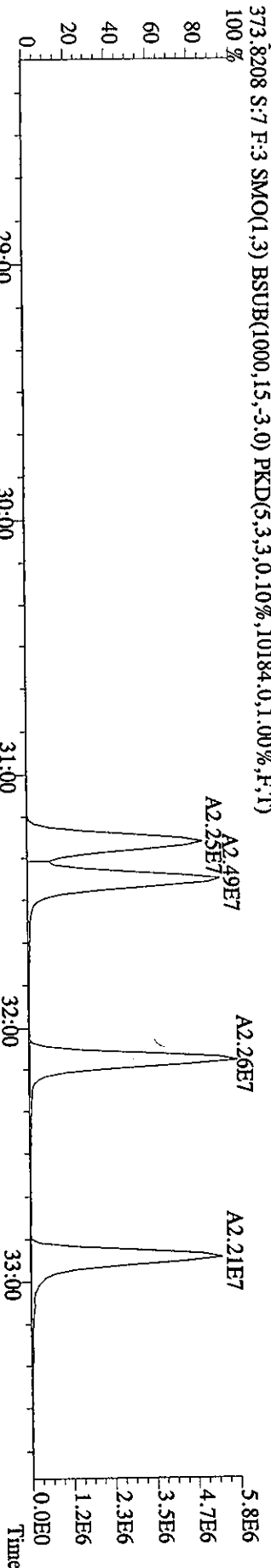
File:17MRR061D5 #1-393 Acq:17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0317E :2nd Source 2565-65 Exp:DIOXIN
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5932.0,1.00%,F,T)



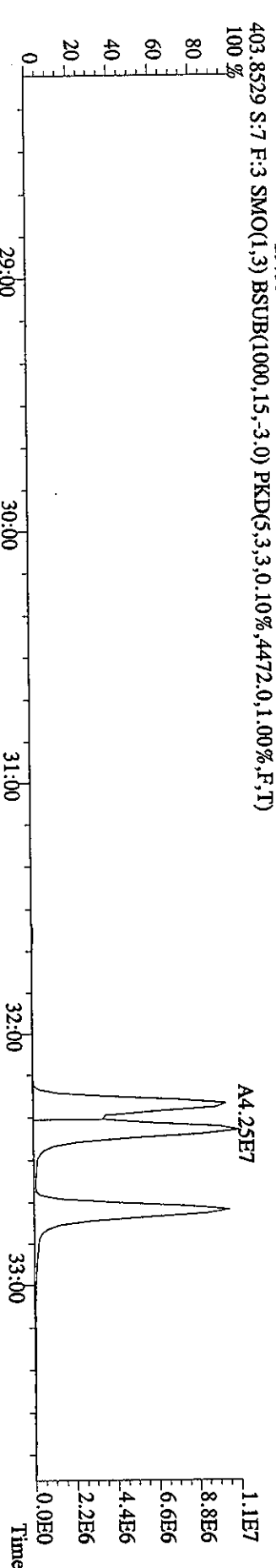
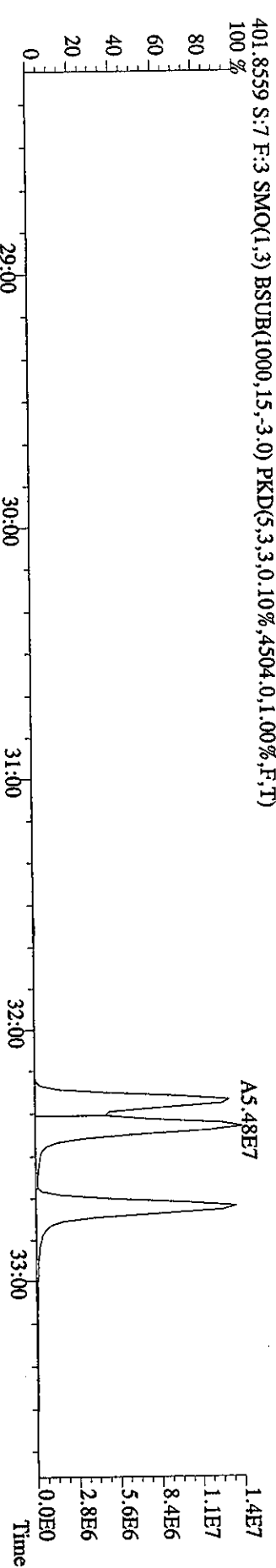
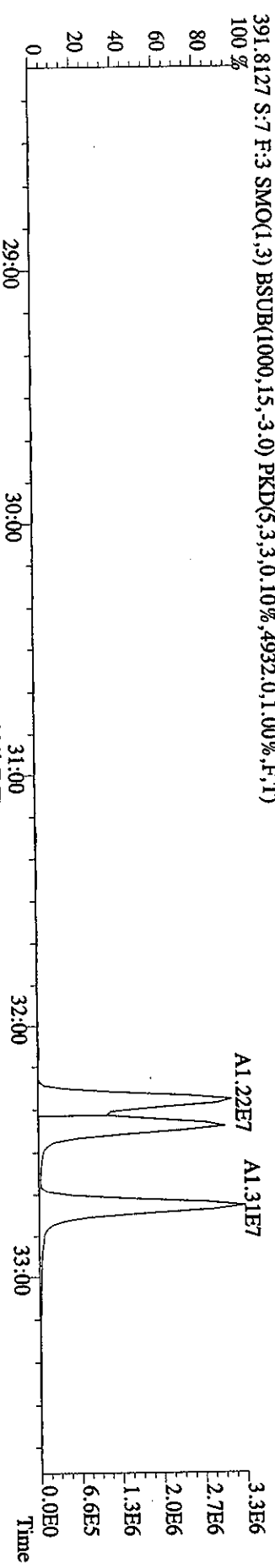
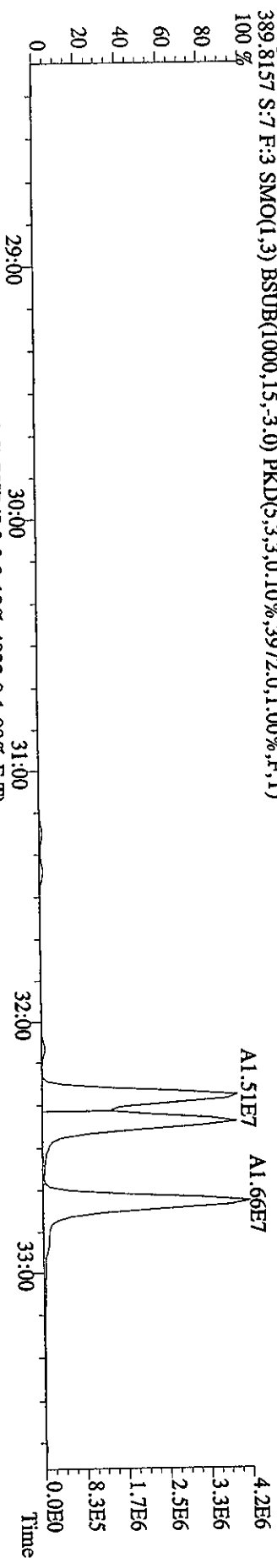


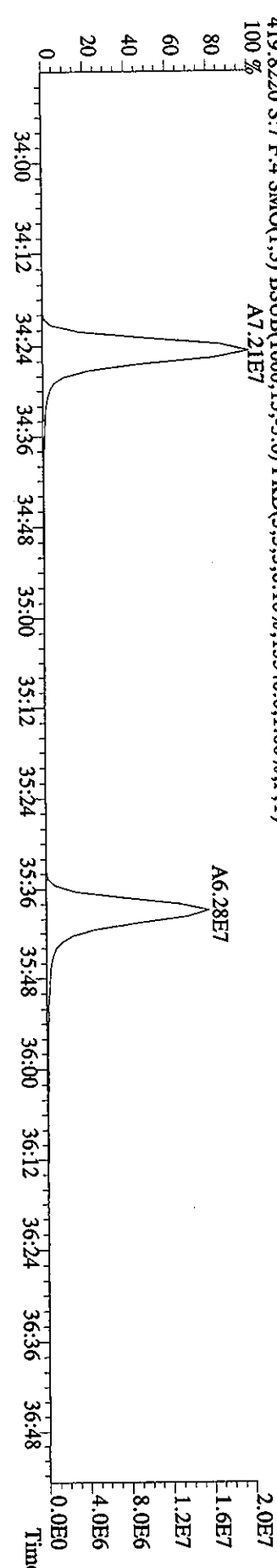
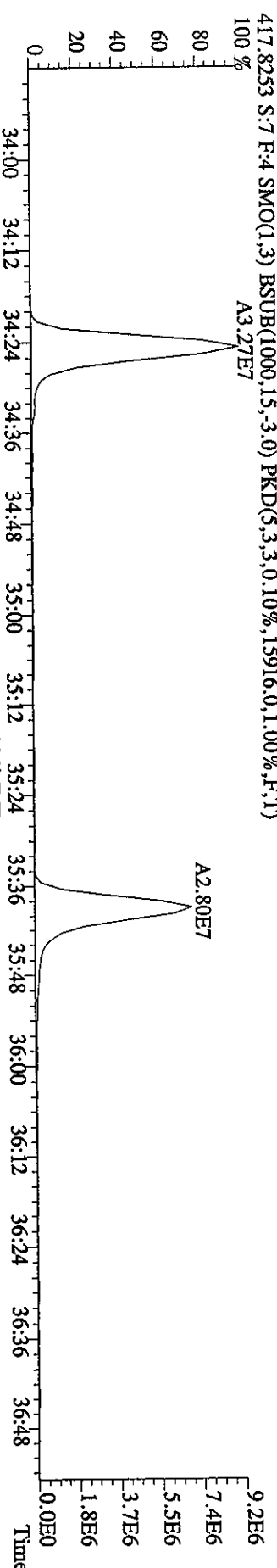
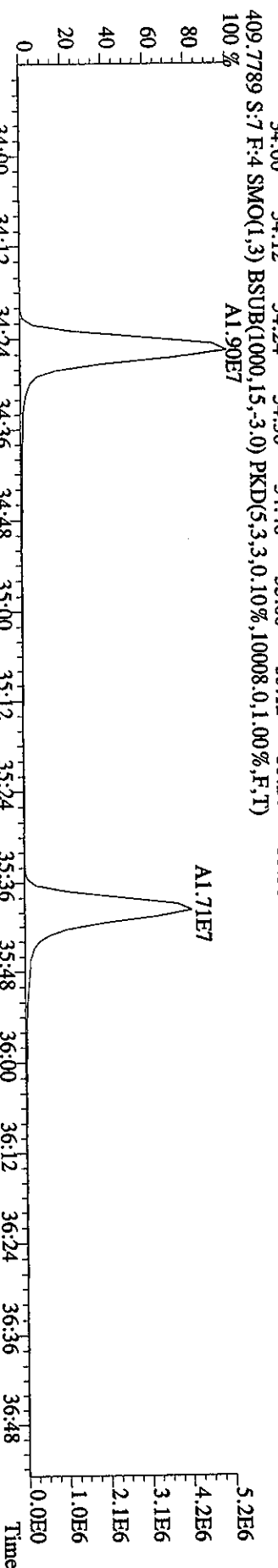
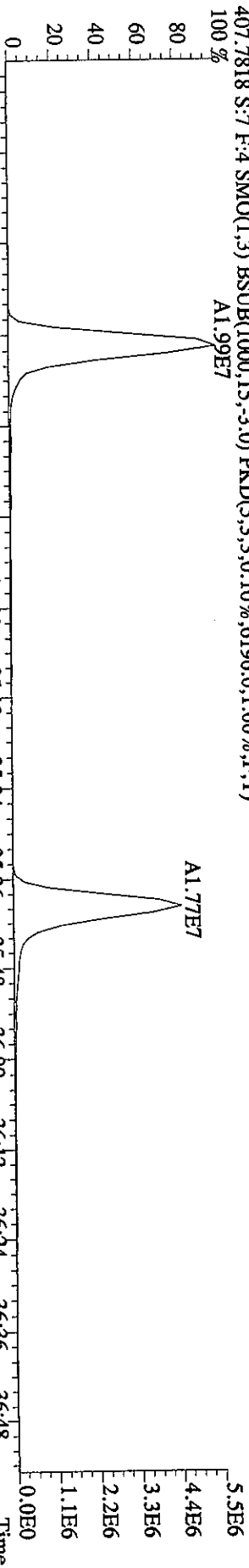
File:17MR061D5 #1-486 Acq:17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0317E :2nd Source 2565-65 Exp:DIOXIN
 357.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6336,0,1,100%,F,T)





File:17MR061D5 #1-375 Acq:17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0317E 2nd Source 2565-65 Exp:DIOXIN
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3972.0,1.00%,F,T)

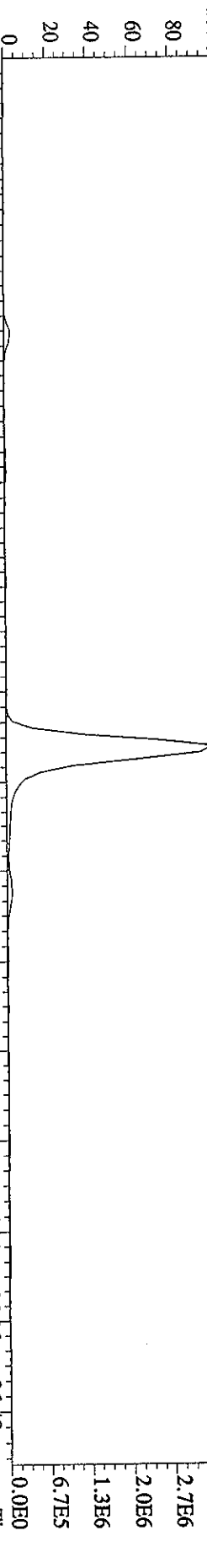




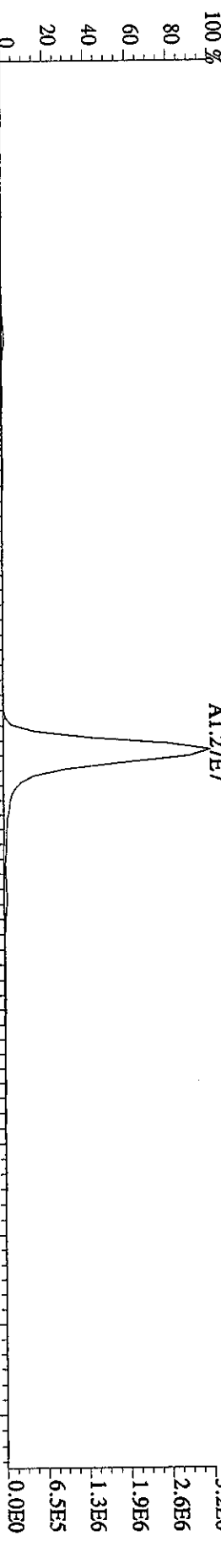
File: 17MR061D5 #1-220 Acq: 17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE

Sample#7 Text: ST0317E 2nd Source 2565-65 Exp: DIOXIN

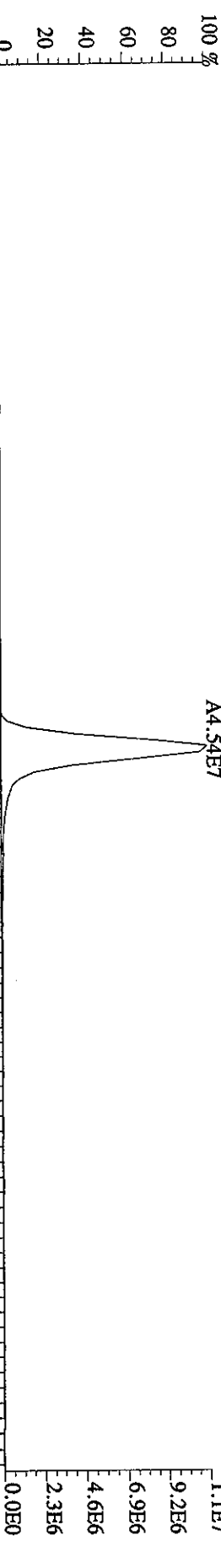
423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4880.0,1.00%,F,T) A1.30E7



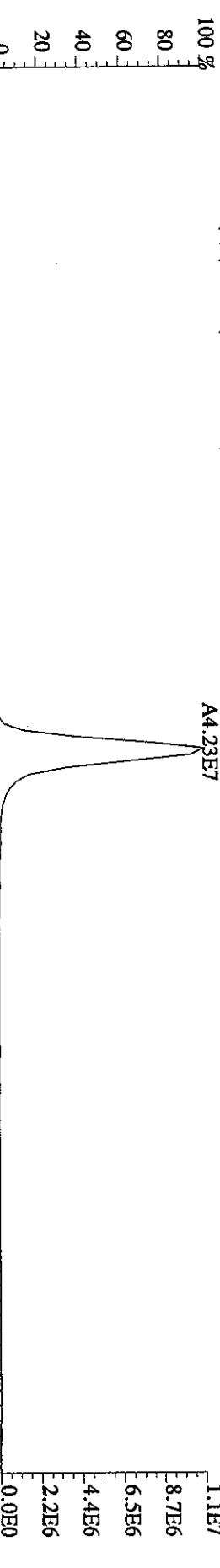
425.7737 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T) A1.27E7



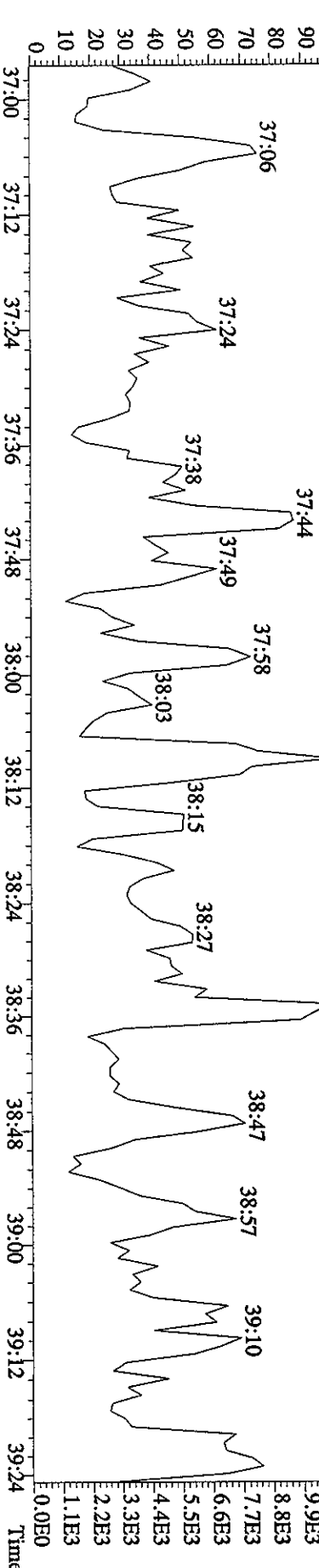
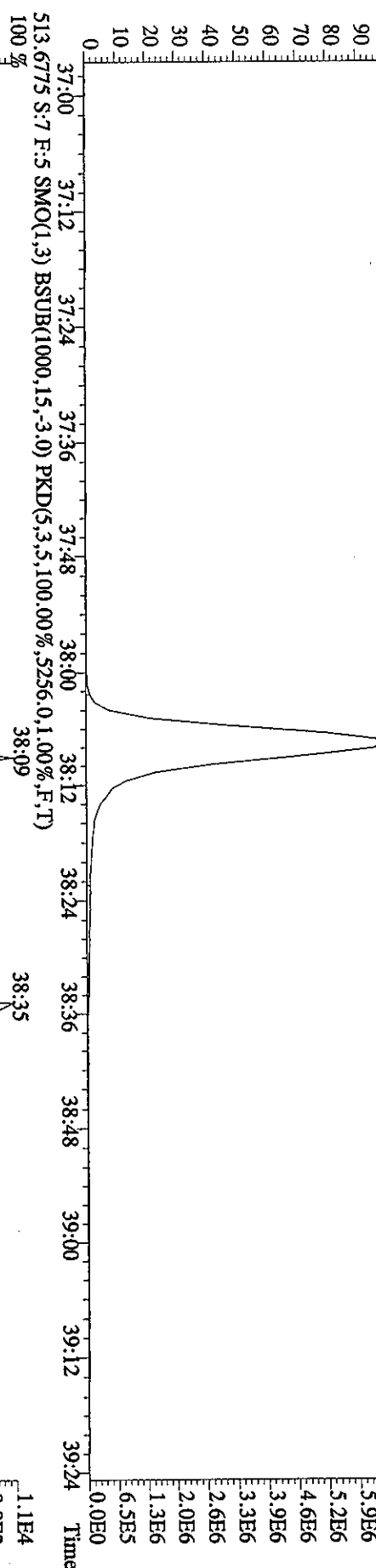
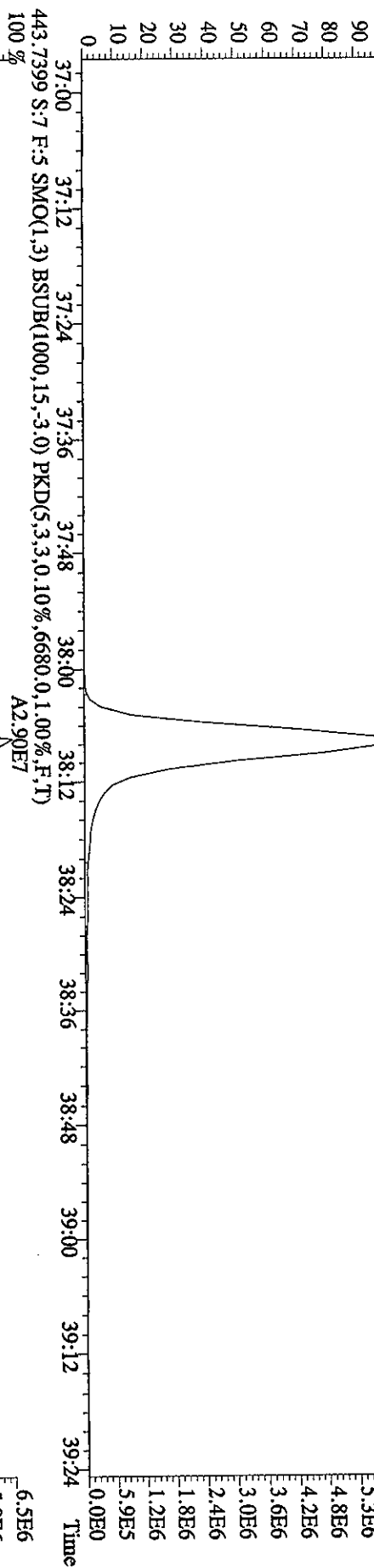
435.8169 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12708.0,1.00%,F,T) A4.54E7



437.8140 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7336.0,1.00%,F,T) A4.23E7



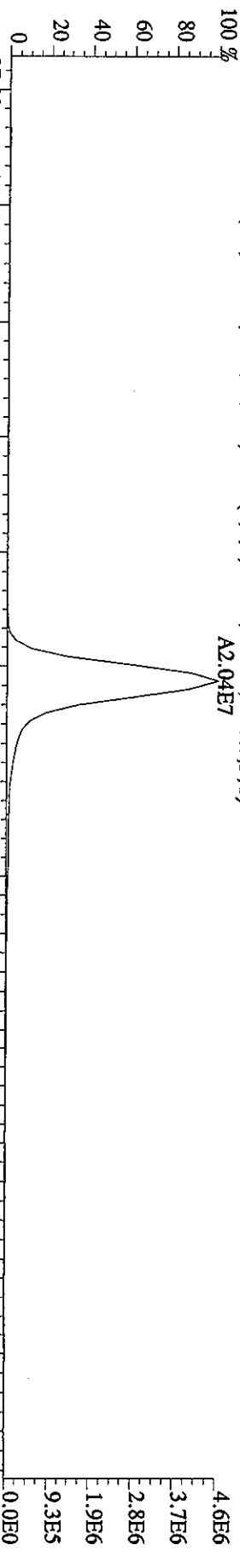
File: 17MR061D5 #1-179 Acq: 17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST0317E :2nd Source 2565-65 Exp: DIOXIN
 441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,4932.0,1.00%,F,T)
 100% A2.63E7



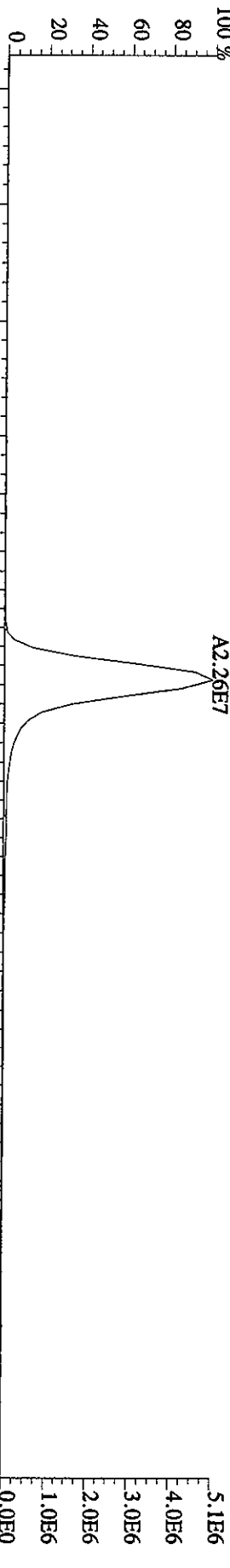
File:17MR061D5 #1-179 Acq:17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE

Sample#7 Text:ST0317E 2nd Source 2565-65 Exp:DIOXIN

457.7377 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6296.0,1.00%,F,T)



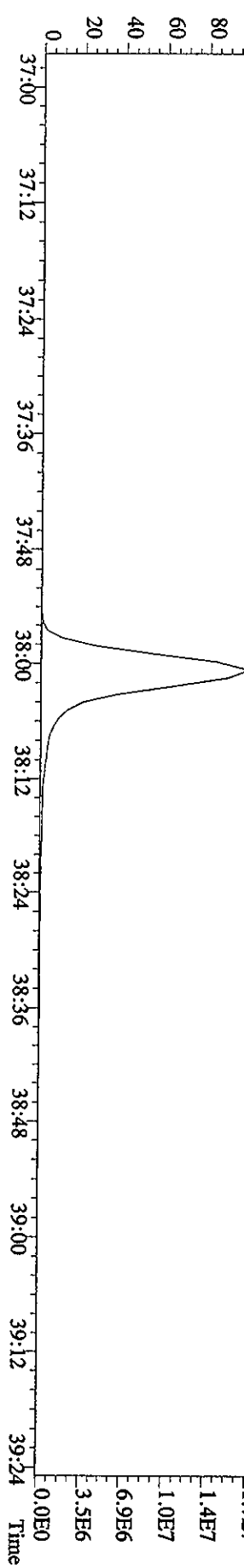
459.7348 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6112.0,1.00%,F,T)

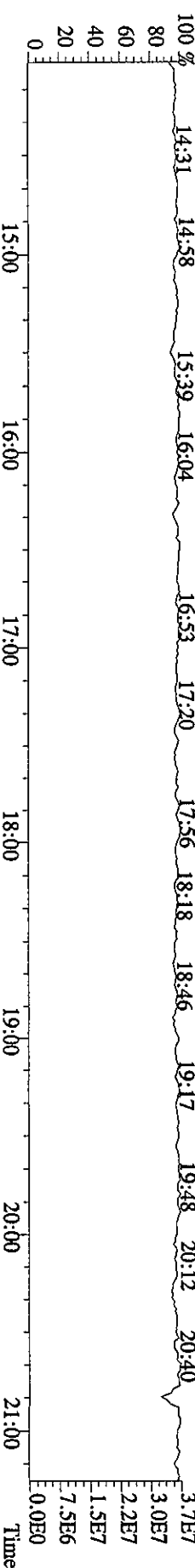
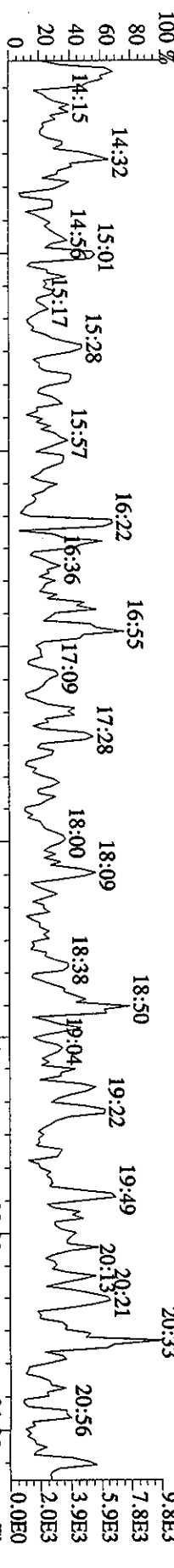
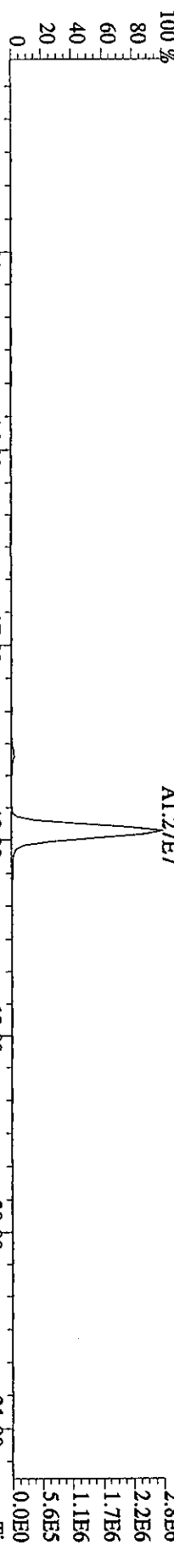
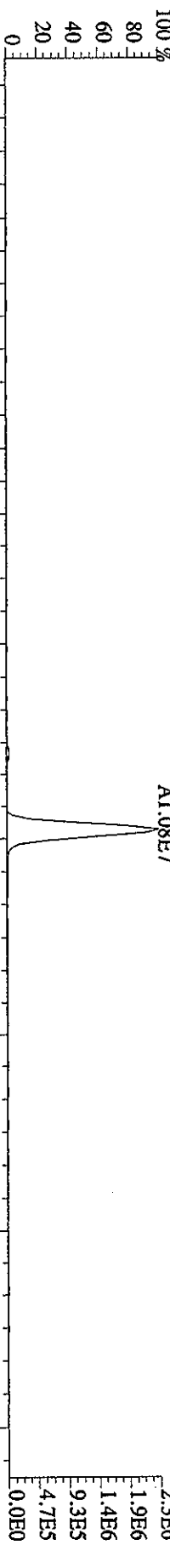
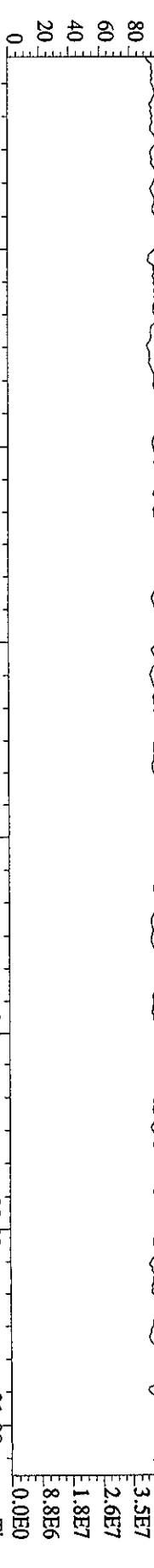


469.7779 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7956.0,1.00%,F,T)



471.7750 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11476.0,1.00%,F,T)

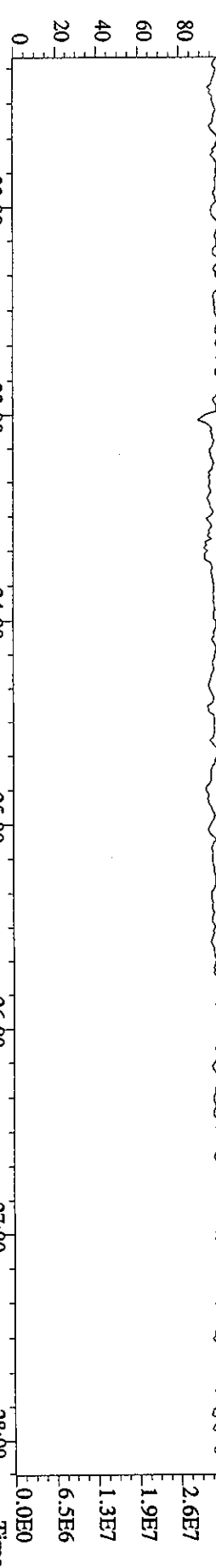




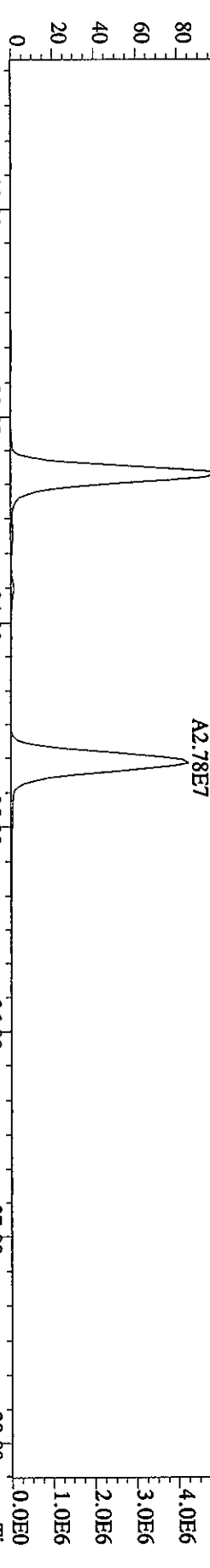
File:17MR061D5 #1-486 Acq:17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE

Sample#7 Text:ST10317E :2nd Source 2565-65 Exp:DIOXIN

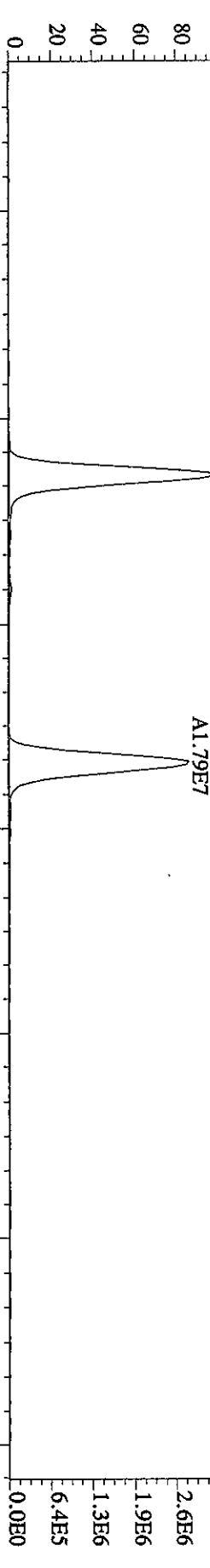
342.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,0.100,0.0,0.1,0.00%,F,T) 21:41 22:23 22:51 23:15 24:08 24:39 25:05 25:26 25:48 26:15 26:44 27:11 27:48



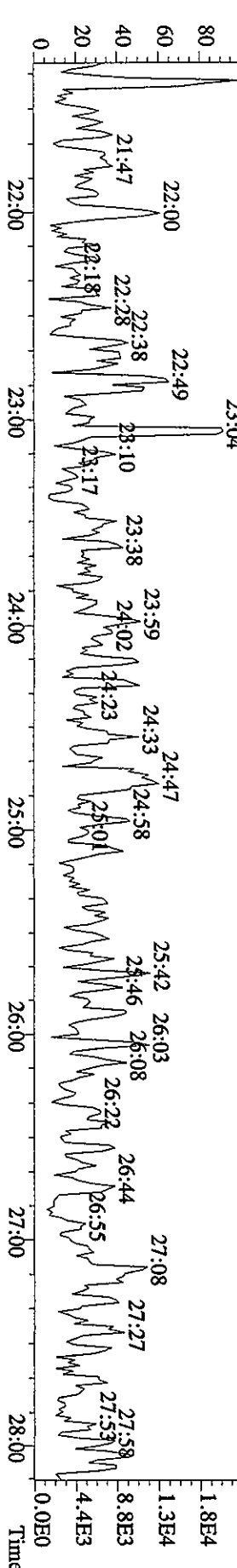
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4372,0.1,0.00%,F,T) A2.95E7 A2.78E7



341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5868,0.1,0.00%,F,T) A1.92E7 A1.79E7



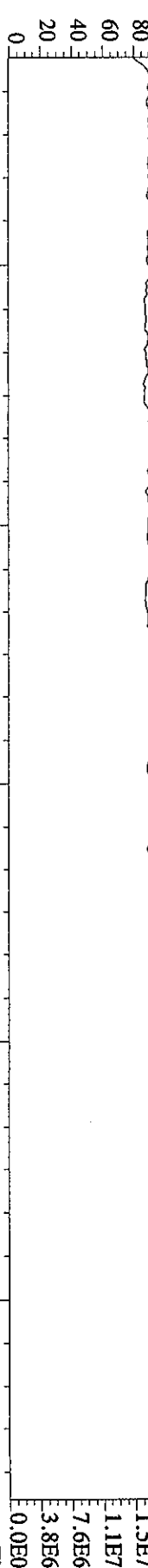
409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,6948,0.1,0.00%,F,T) 21:22 23:04



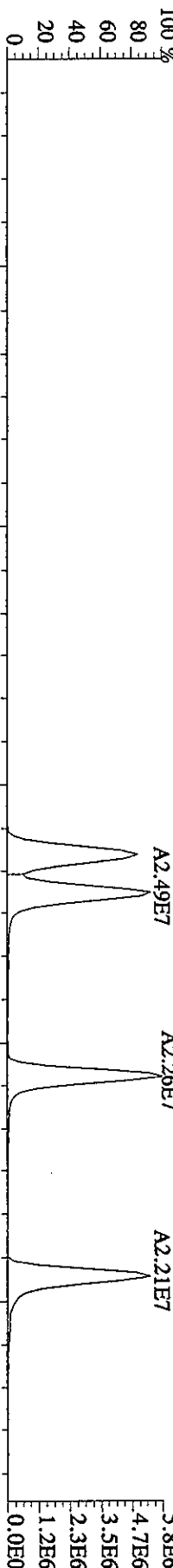
File: 17MR061D5 #1-375 Acq: 17-MAR-2006 13:17:42 GC EI + Voltage SIR 70SE

Sample# 7 Text: ST0317E 2nd Source 2565-65 Exp: DIOXIN

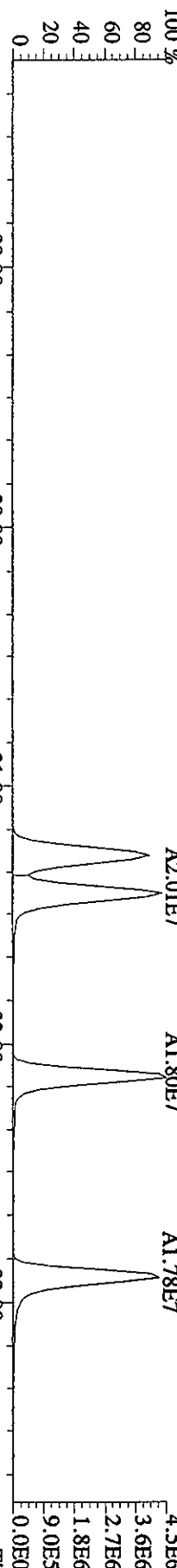
392.9760 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



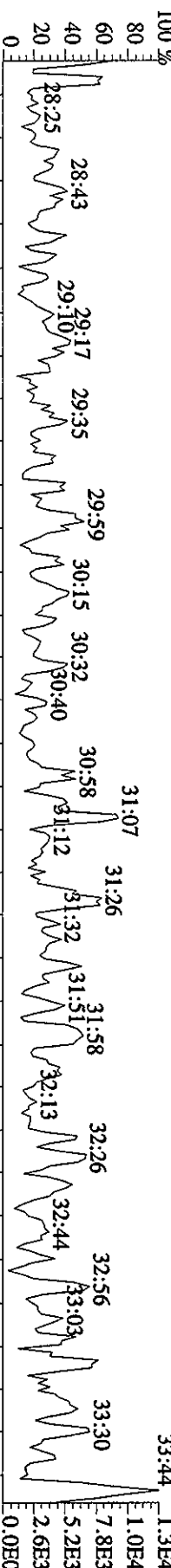
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10184.0,1.00%,F,T)



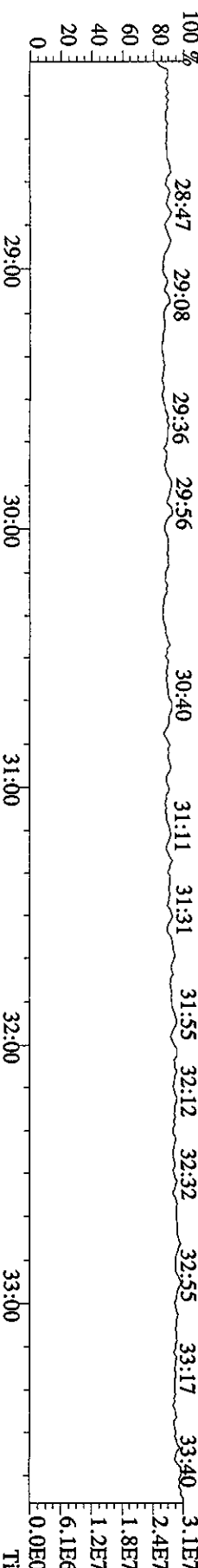
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3872.0,1.00%,F,T)



445.7555 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4168.0,1.00%,F,T)



380.9760 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 17MR061D5 #1-220 Acq: 17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE

Sample#7 Text: ST0317E 2nd Source 2565-65 Exp: DIOXIN

430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)

100 % 33:55

34:13 34:23

34:42

35:02

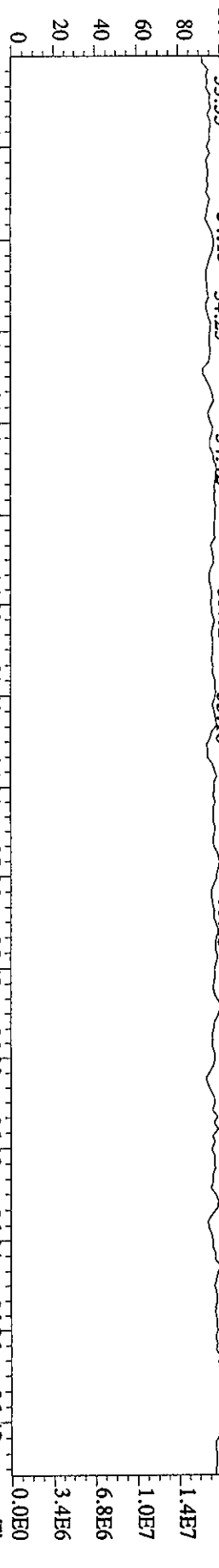
35:16

35:43

35:53

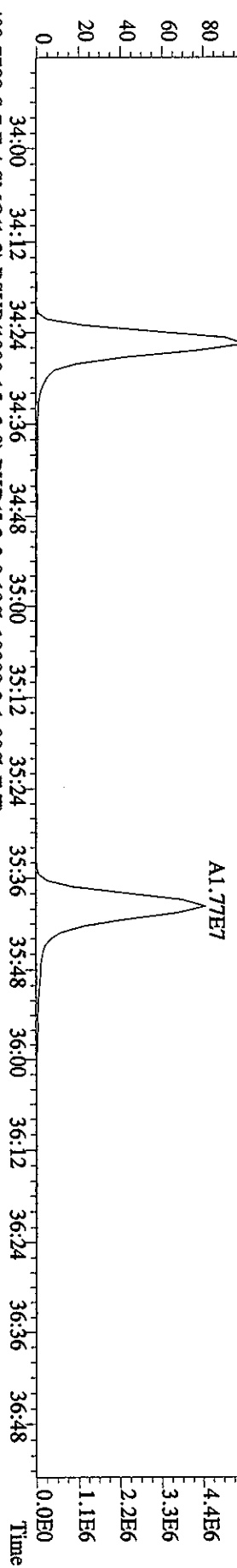
36:27

36:45



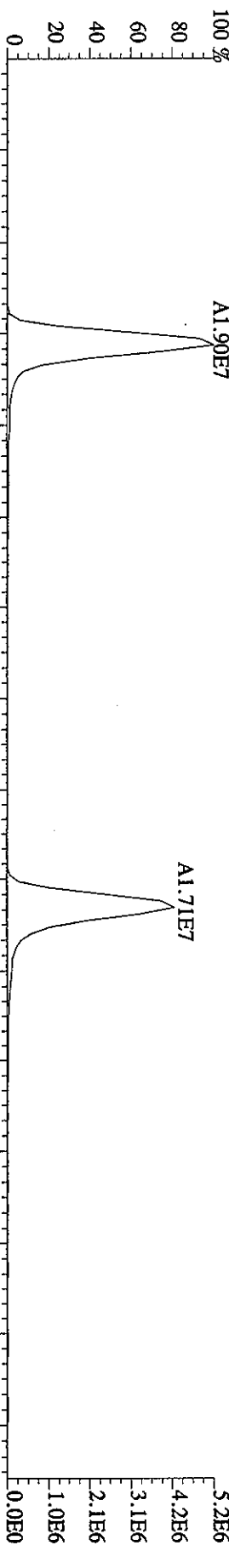
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6196.0,1.00%,F,T)

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



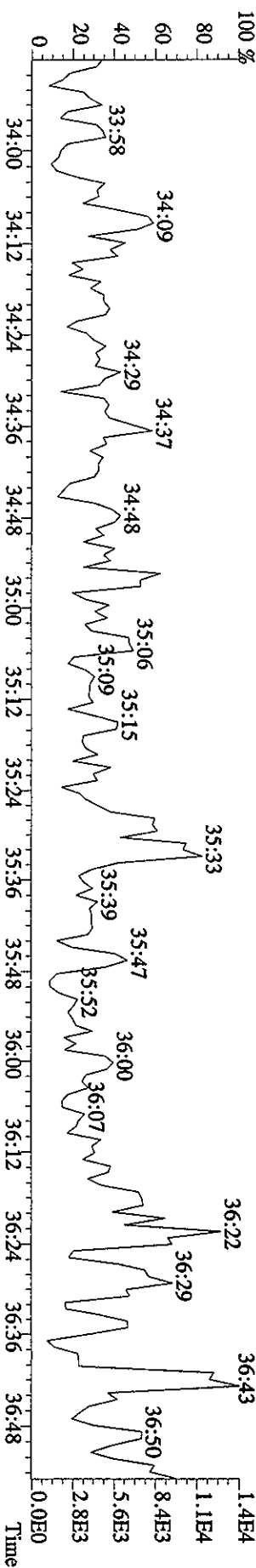
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10008.0,1.00%,F,T)

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

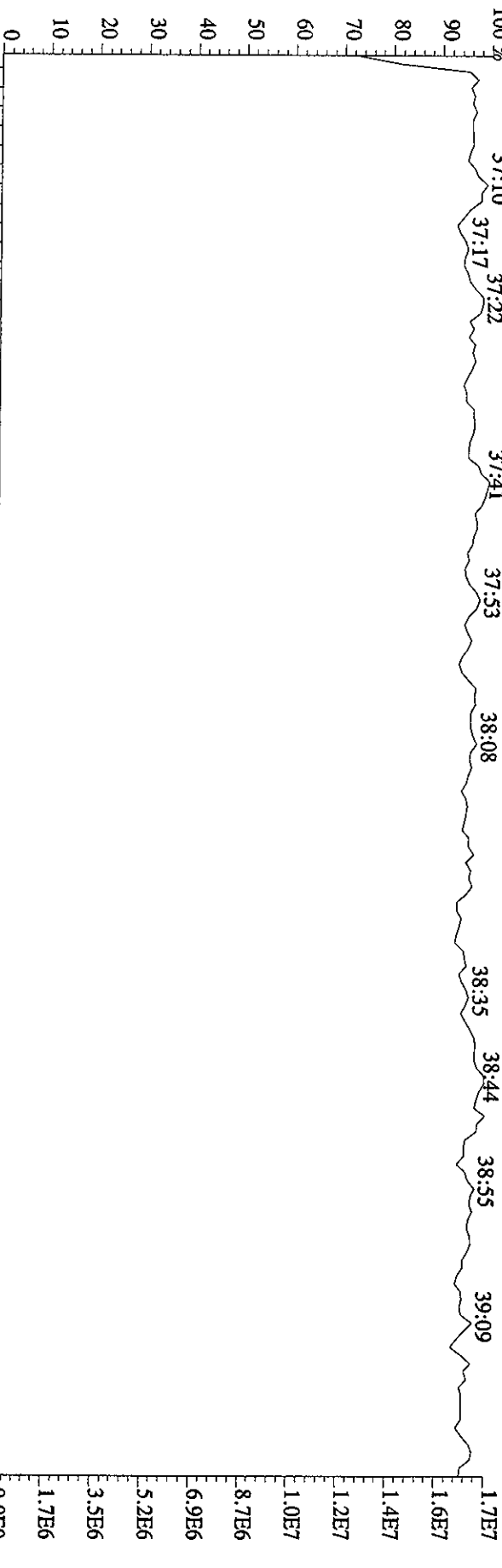


479.7165 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,5444.0,1.00%,F,T)

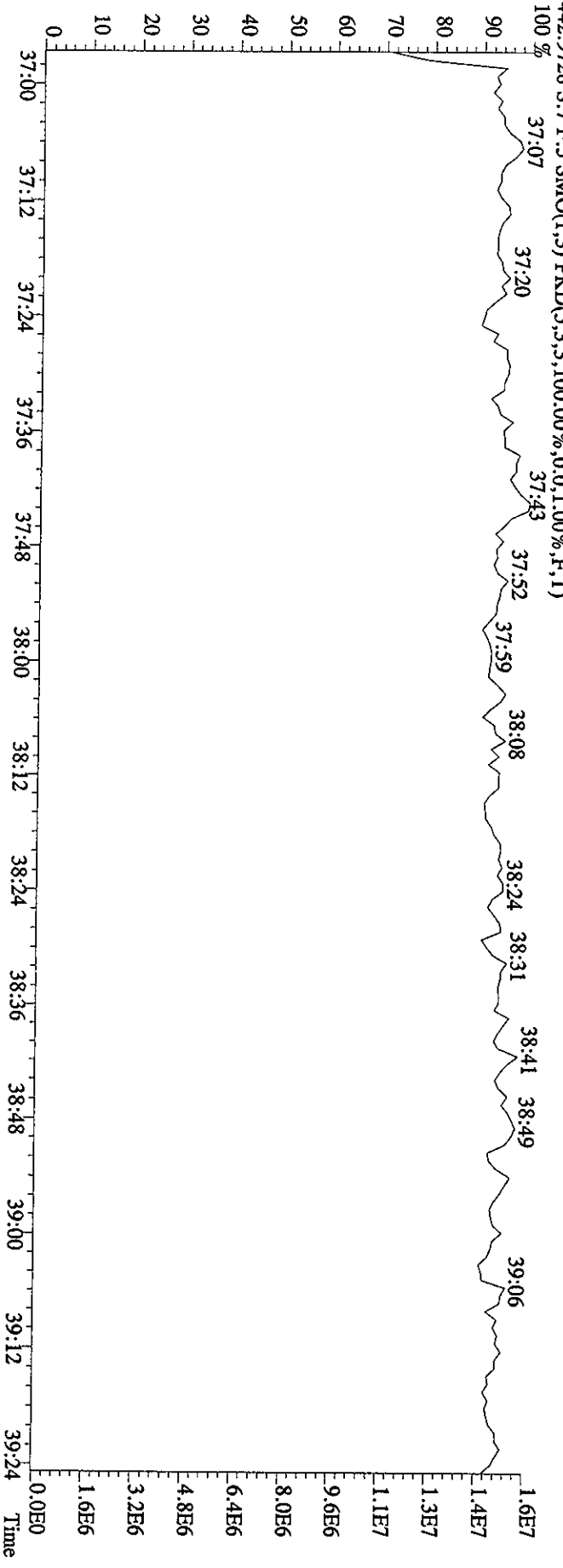
100 % 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48



File:17MR061D5 #1-179 Acq:17-MAR-2006 13:17:42 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST10317E :2nd Source 2565-65 Exp:DIOXIN
 454.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:10 37:17 37:22 37:41 37:53



442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:07 37:20 37:43 37:52 37:59 38:08 38:24 38:31 38:41 38:49 39:06



Initial Calibration Checklist
High Resolution

ICAL ID (DB225, DB225A/R) 091505702

Method ID 8290, 1613B, 1613R (TETRAS), 551, T09, 23, 0023A

Column ID DB225 Instrument ID 702

STD ID's ST0916 (J, I, H, L, K) STD Solution 2565-41 (A → E)

Multiplier Setting 480V

Analyzed By M.G. Date Analyzed 9/16/05

Prepared By M.G. Date Prepared 9/19/05

Reviewed By TCJ Date Reviewed 09/19/05

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

COMMENTS: _____

* Method 8290: %RSD ≤ 20% for natives, ≤ 30% for labeled analytes; S/N ≥ 10
 Method 1613A: %CV ≤ 35% (See Table 7, Method 1613A); S/N ≥ 10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N > 2.5
 PAH: %RSD ≤ 30% for natives and labeled compounds; S/N ≥ 10
 PCB: %RSD ≤ 20% for natives, ≤ 40% for labeled compounds; S/N ≥ 2.5
 NCASI 551: %RSD ≤ 20% for natives and labeled compounds; ≥ 5
 DBD/DBF: %RSD ≤ 30% for natives, ≤ 40% for labeled analytes; S/N ≥ 10

Run: 15SE057D2 Analyte: DB225 Cal: DB2250915057D2

ST0916J : CS1 2565-41A ST0916I : CS2 2565-41B ST0916H : CS3 2565-41C
 ST0916L : CS4 2565-41D ST0916K : CS5 2565-41E

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.495	0.059	3.95 %	1.47	1.46	1.49	1.60	1.46
2,3,7,8-TCDF	0.919	0.111	12.1 %	0.96	0.76	0.85	1.00	1.02
13C-2,3,7,8-TCDD	0.808	0.058	7.16 %	0.85	0.75	0.82	0.87	0.75
2,3,7,8-TCDD	1.232	0.157	12.7 %	1.20	1.09	1.13	1.25	1.49
37Cl-2,3,7,8-TCDD	1.963	0.297	15.1 %	1.65	1.65	2.04	2.23	2.24

16SE057D2 16SE057D2 16SE057D2 16SE057D2 16SE057D2

S12 S11 S10 S14 S13

RRF1 RRF2 RRF3 RRF4 RRF5

Run #1 Filename 16SE057D2 S: 12 I: 1
Acquired: 16-SEP-05 14:56:56 Processed: 16-SEP-05 16:42:52
Run: 15SE057D2 Analyte: DB225 Cal: DB2250915057D2

Comments:

Sample text: ST0916J :CS1 2565-41A

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	193383000	0.77 y	11:30	-	100.00	n
13C-2,3,7,8-TCDF	284712000	0.82 y	12:24	1.47	100.00	n
2,3,7,8-TCDF	1371958	0.81 y	12:25	0.96	0.50	n
13C-2,3,7,8-TCDD	163841800	0.80 y	11:17	0.85	100.00	n
2,3,7,8-TCDD	983391	0.81 y	11:19	1.20	0.50	n
37Cl-2,3,7,8-TCDD	1595324	1.00 y	11:18	1.65	0.50	n

Run #2 Filename 16SE057D2 S: 11 I: 1
 Acquired: 16-SEP-05 14:20:31 Processed: 16-SEP-05 16:42:53
 Run: 15SE057D2 Analyte: DB225 Cal: DB2250915057D2
 Comments:
 Sample text: ST0916I :CS2 2565-41B

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	192618400	0.78 y	11:30	-	100.00	n
13C-2,3,7,8-TCDF	281261000	0.80 y	12:24	1.46	100.00	n
2,3,7,8-TCDF	4286880	0.77 y	12:26	0.76	2.00	n
13C-2,3,7,8-TCDD	143853000	0.84 y	11:17	0.75	100.00	n
2,3,7,8-TCDD	3138800	0.73 y	11:18	1.09	2.00	n
37Cl-2,3,7,8-TCDD	6357520	1.00 y	11:18	1.65	2.00	n

Run #3 Filename 16SE057D2 S: 10 I: 1
Acquired: 16-SEP-05 13:44:08 Processed: 16-SEP-05 16:42:54
Run: 15SE057D2 Analyte: DB225 Cal: DB2250915057D2
Comments: 4800V
Sample text: ST0916H :CS3 2565-41C

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	204851700	0.78 y	11:30	-	100.00	n
13C-2,3,7,8-TCDF	304633000	0.83 y	12:25	1.49	100.00	n
2,3,7,8-TCDF	25776400	0.75 y	12:26	0.85	10.00	n
13C-2,3,7,8-TCDD	168358800	0.83 y	11:17	0.82	100.00	n
2,3,7,8-TCDD	18999240	0.77 y	11:18	1.13	10.00	n
37Cl-2,3,7,8-TCDD	41823000	1.00 y	11:18	2.04	10.00	n

Run #4 Filename 16SE057D2 S: 14 I: 1
Acquired: 16-SEP-05 16:26:30 Processed: 16-SEP-05 16:42:54
Run: 15SE057D2 Analyte: DB225 Cal: DB2250915057D2
Comments:
Sample text: ST0916L :CS4 2565-41D

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	186510300	0.78 y	11:32	-	100.00	n
13C-2,3,7,8-TCDF	298191000	0.80 y	12:27	1.60	100.00	n
2,3,7,8-TCDF	119515500	0.78 y	12:28	1.00	40.00	n
13C-2,3,7,8-TCDD	162979700	0.81 y	11:19	0.87	100.00	n
2,3,7,8-TCDD	81522000	0.77 y	11:20	1.25	40.00	n
37Cl-2,3,7,8-TCDD	166542400	1.00 y	11:20	2.23	40.00	n

Run #5 Filename 16SE057D2 S: 13 I: 1
Acquired: 16-SEP-05 15:33:20 Processed: 16-SEP-05 16:42:55
Run: 15SE057D2 Analyte: DB225 Cal: DB2250915057D2

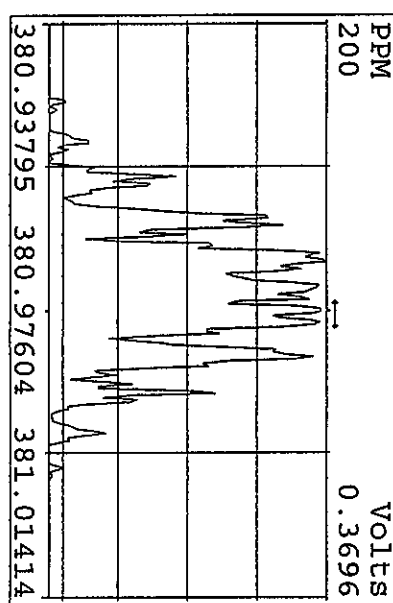
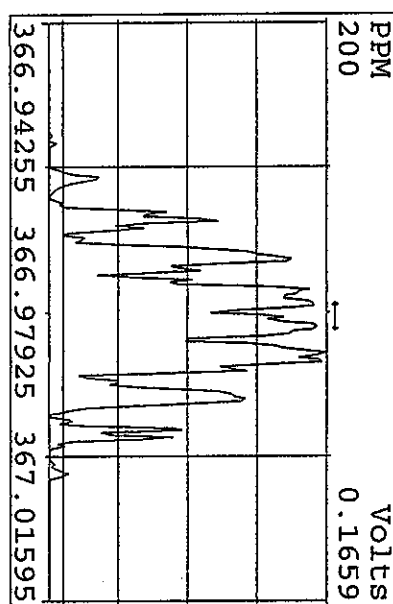
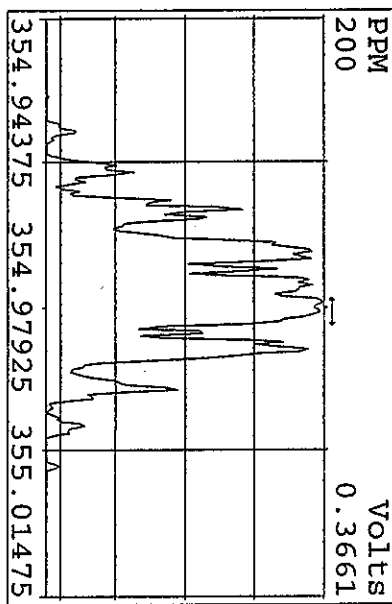
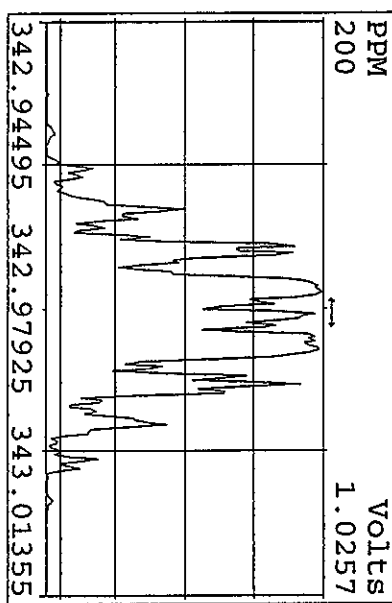
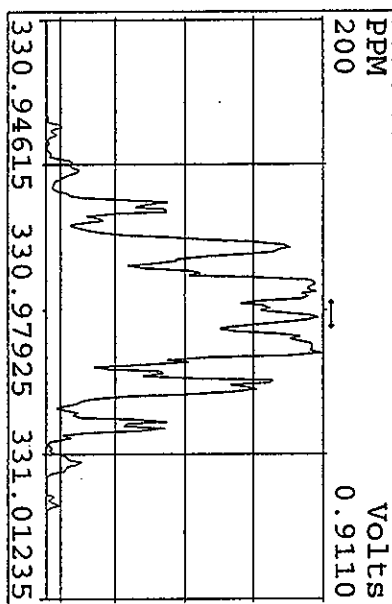
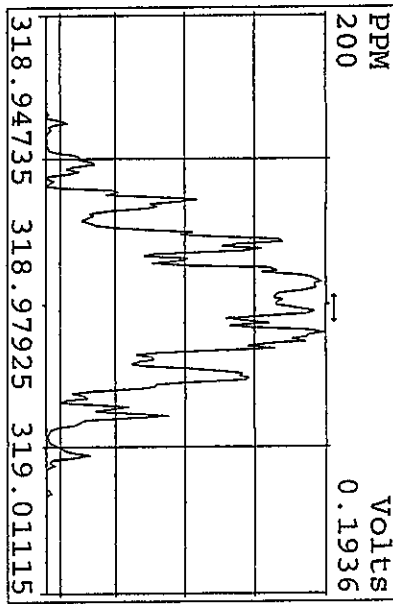
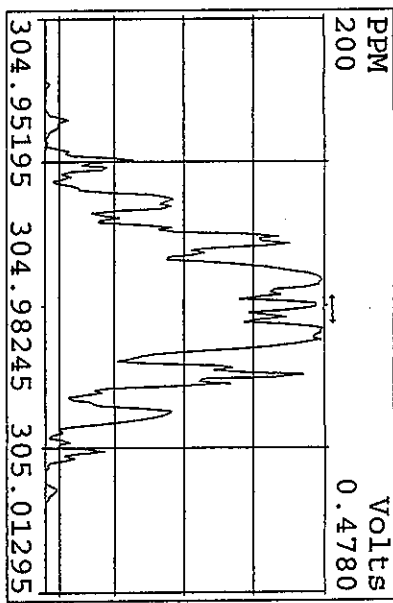
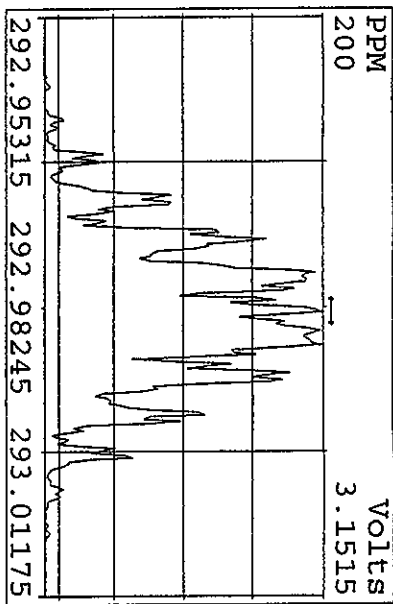
Comments:

Sample text: ST0916K :CS5 2565-41E

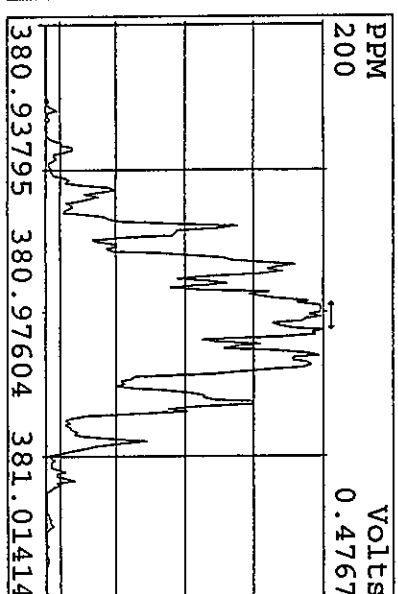
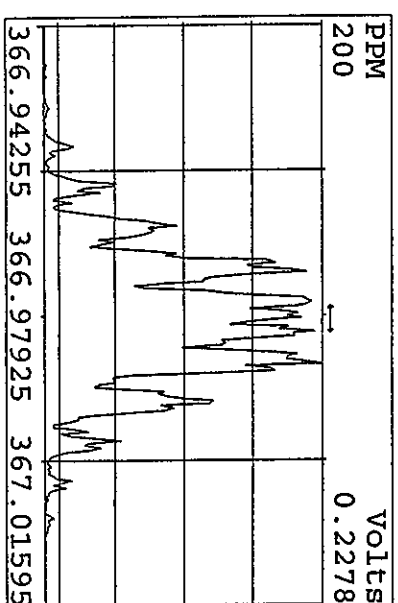
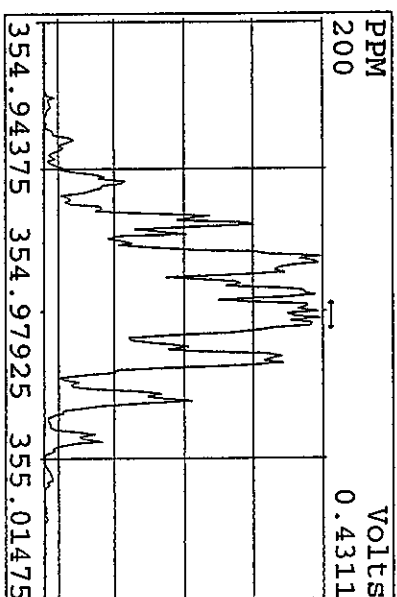
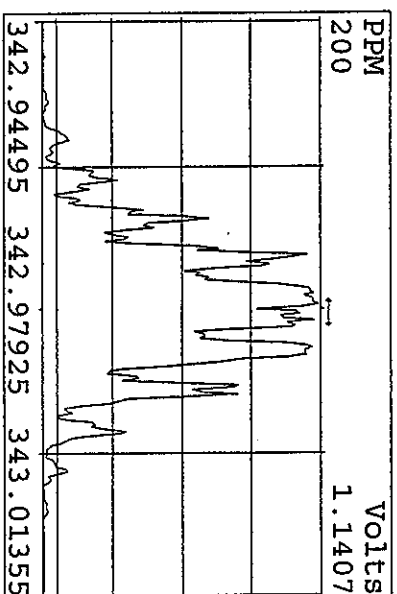
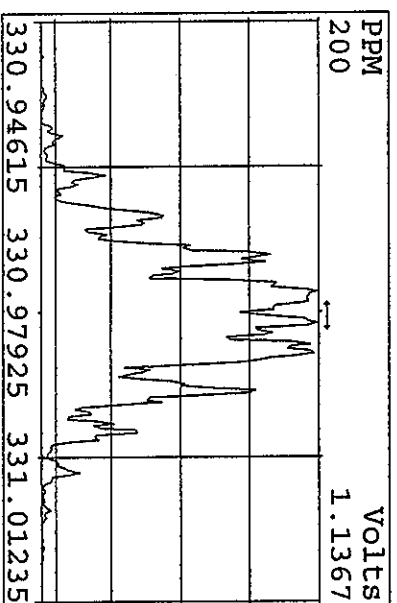
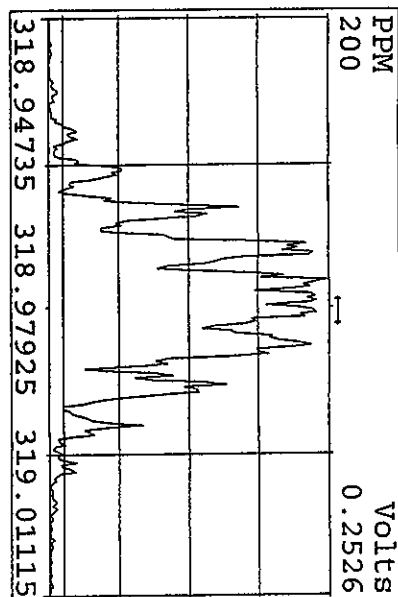
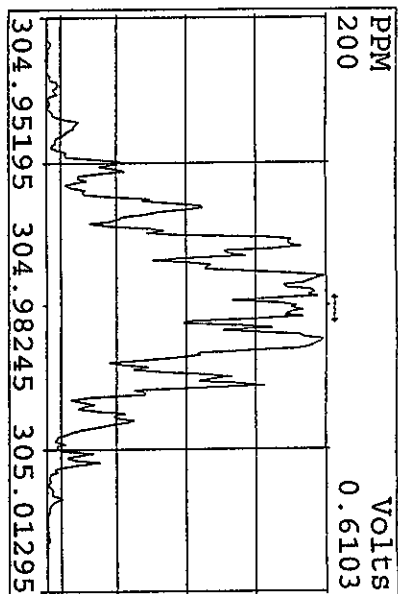
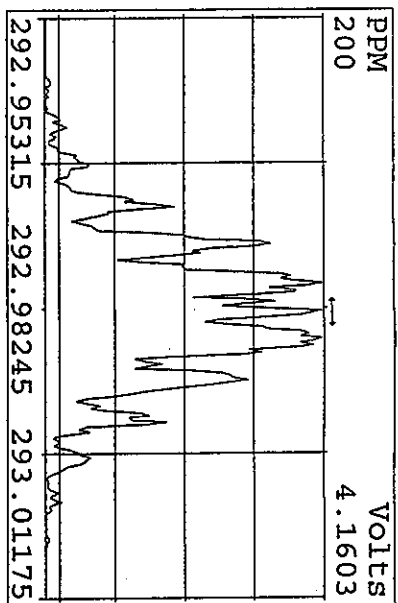
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	198916000	0.81 y	11:30	-	100.00	n
13C-2,3,7,8-TCDF	289878000	0.79 y	12:24	1.46	100.00	n
2,3,7,8-TCDF	591895000	0.79 y	12:26	1.02	200.00	n
13C-2,3,7,8-TCDD	148854800	0.83 y	11:17	0.75	100.00	n
2,3,7,8-TCDD	443354000	0.80 y	11:18	1.49	200.00	n
37C1-2,3,7,8-TCDD	892084000	1.00 y	11:18	2.24	200.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
16SE057D2	1	CP0916	DB-5 CPSM 2565-21		4500V		1.000	
16SE057D2	2	ST0916	CS3 2565-41C				1.000	
16SE057D2	3	ST0916A	CS2 2565-41B				1.000	
16SE057D2	4	ST0916B	CS1 2565-41A				1.000	
16SE057D2	5	ST0916C	CS5 2565-41E				1.000	
16SE057D2	6	ST0916D	CS4 2565-41D				1.000	
16SE057D2	7	ST0916E	CS2 2565-41B				1.000	
16SE057D2	8	ST0916F	CS3 2565-41C		4000V		1.000	
16SE057D2	9	ST0916G	CS2 2565-41B				1.000	
16SE057D2	10	ST0916H	CS3 2565-41C -		4800V		1.000	
16SE057D2	11	ST0916I	CS2 2565-41B				1.000	
16SE057D2	12	ST0916J	CS1 2565-41A				1.000	
16SE057D2	13	ST0916K	CS5 2565-41E				1.000	
16SE057D2	14	ST0916L	CS4 2565-41D -				1.000	
16SE057D2	15	2nd Source	091305IS-2QC	20	1613B/8290		1.000	SAMP
16SE057D2	16						1.000	
16SE057D2	17						1.000	
16SE057D2	18						1.000	
16SE057D2	19		MG 09/16/05				1.000	

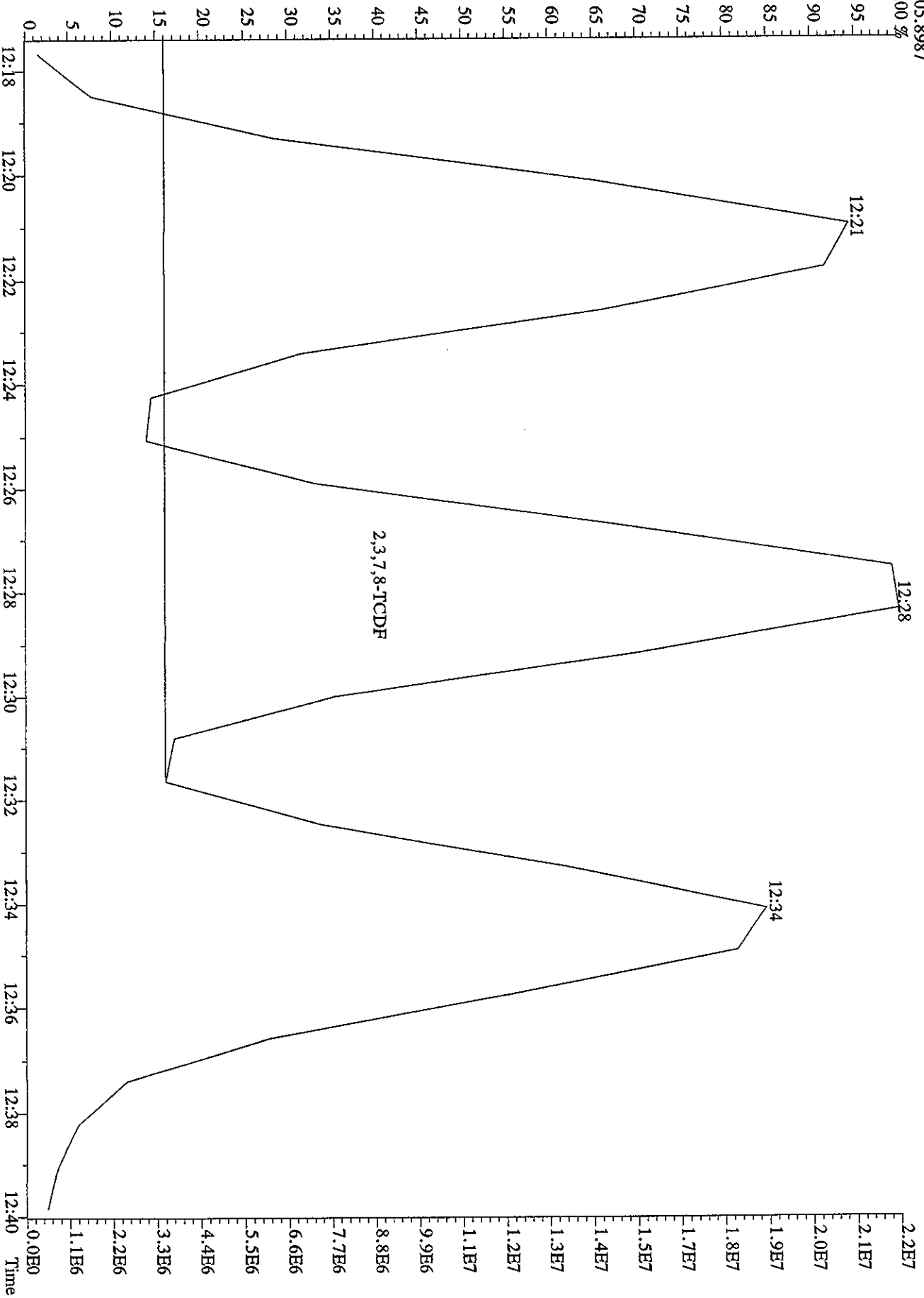
Peak Locate Examination: 16-SEP-2005:08:16 File:16SE057D2
Experiment:DB225 Function:1 Reference:PK



Peak Locate Examination: 16-SEP-2005:17:56 File: RESCHK16SEP057D2
 Experiment: DB225 Function: 1 Reference: PFK



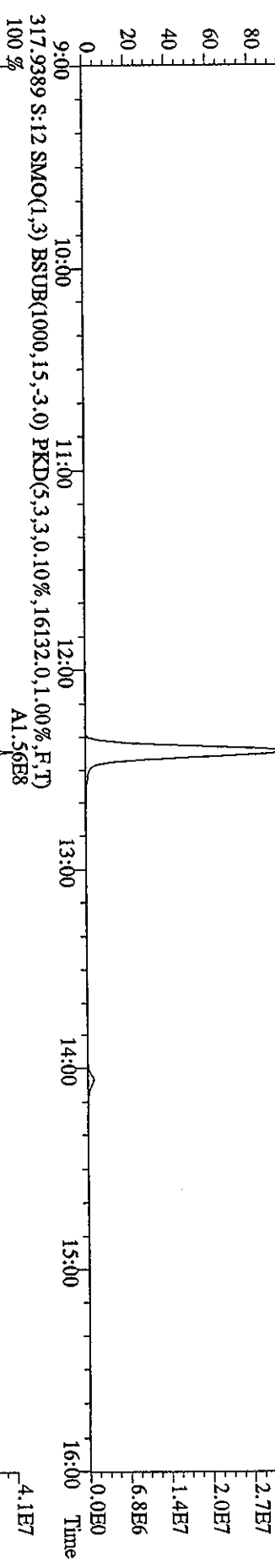
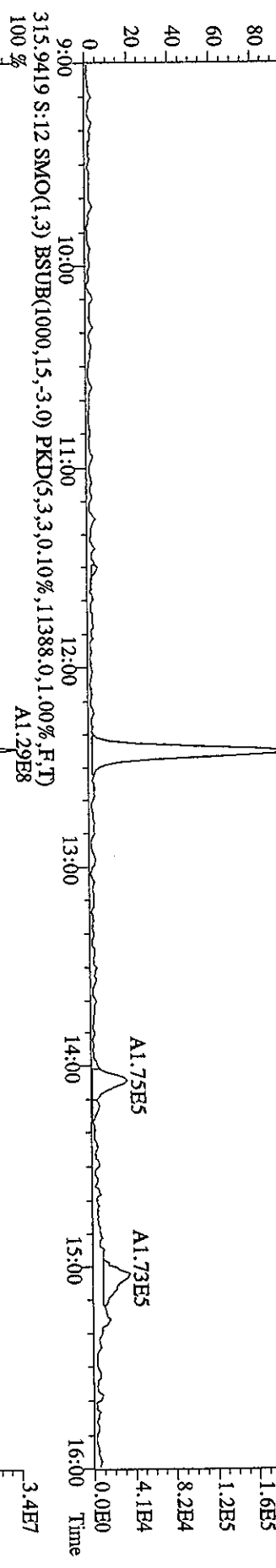
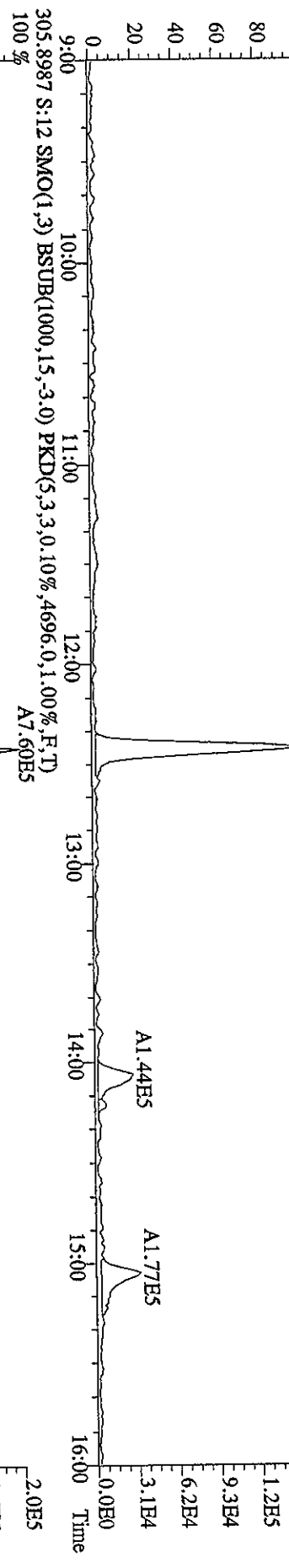
File:16SE057D2 #1-1168 Acq:16-SEP-2005 08:16:30 GC EI + Voltage SIR 70S
 Sample#1 Text:CP0916 :DB-5 CPSM 2565-21 Exp:DB225
 305.8987 100 %



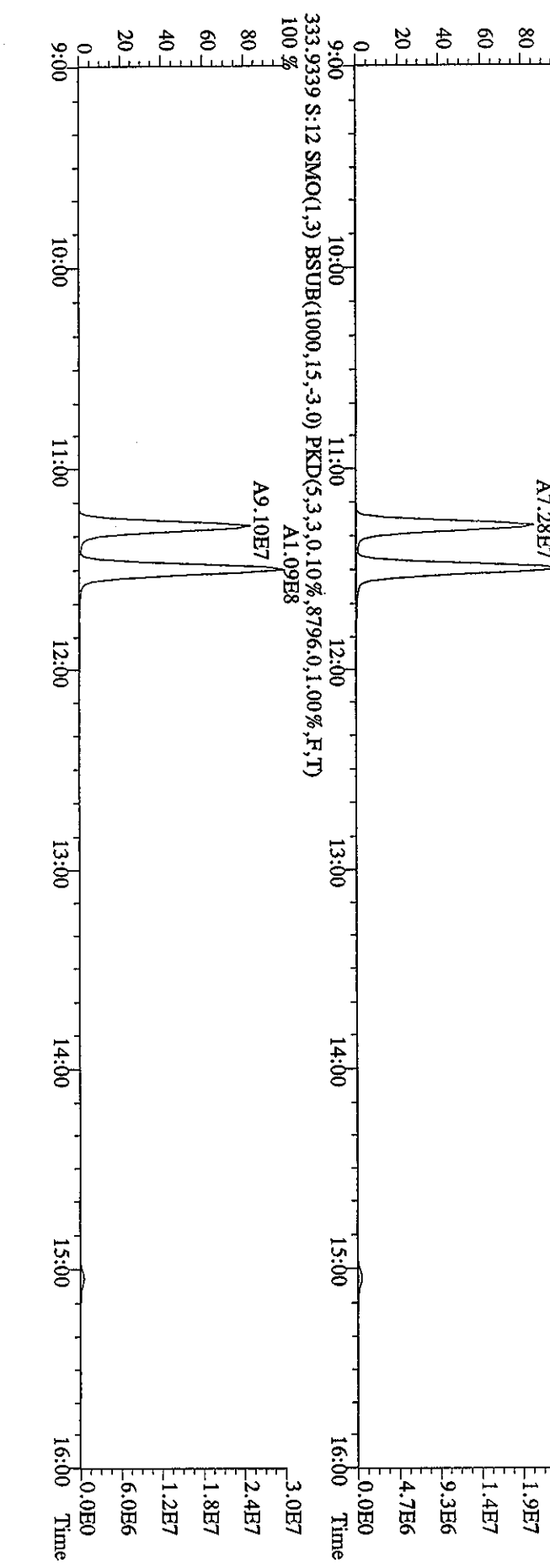
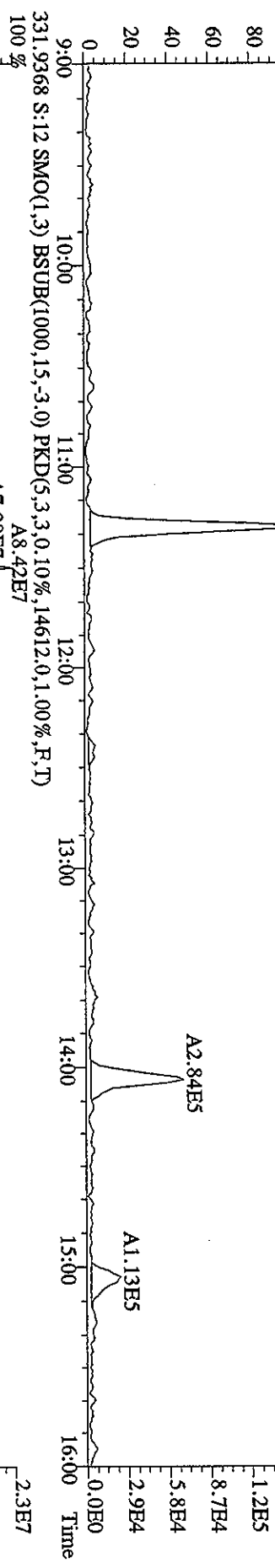
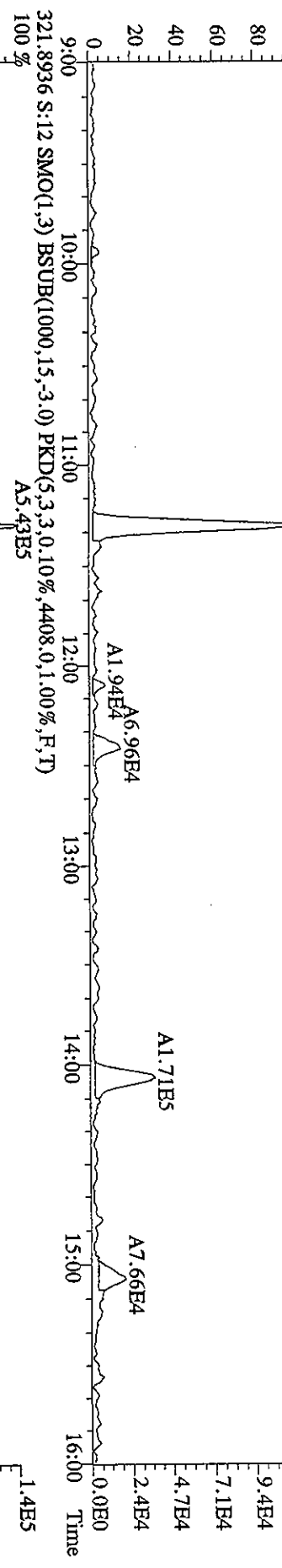
File:16SE057D2 #1-1168 Acq:16-SEP-2005 14:56:56 GC EI+ Voltage SIR 70S

Sample#12 Text:ST0916I :CSI 2565-41A Exp:DB225

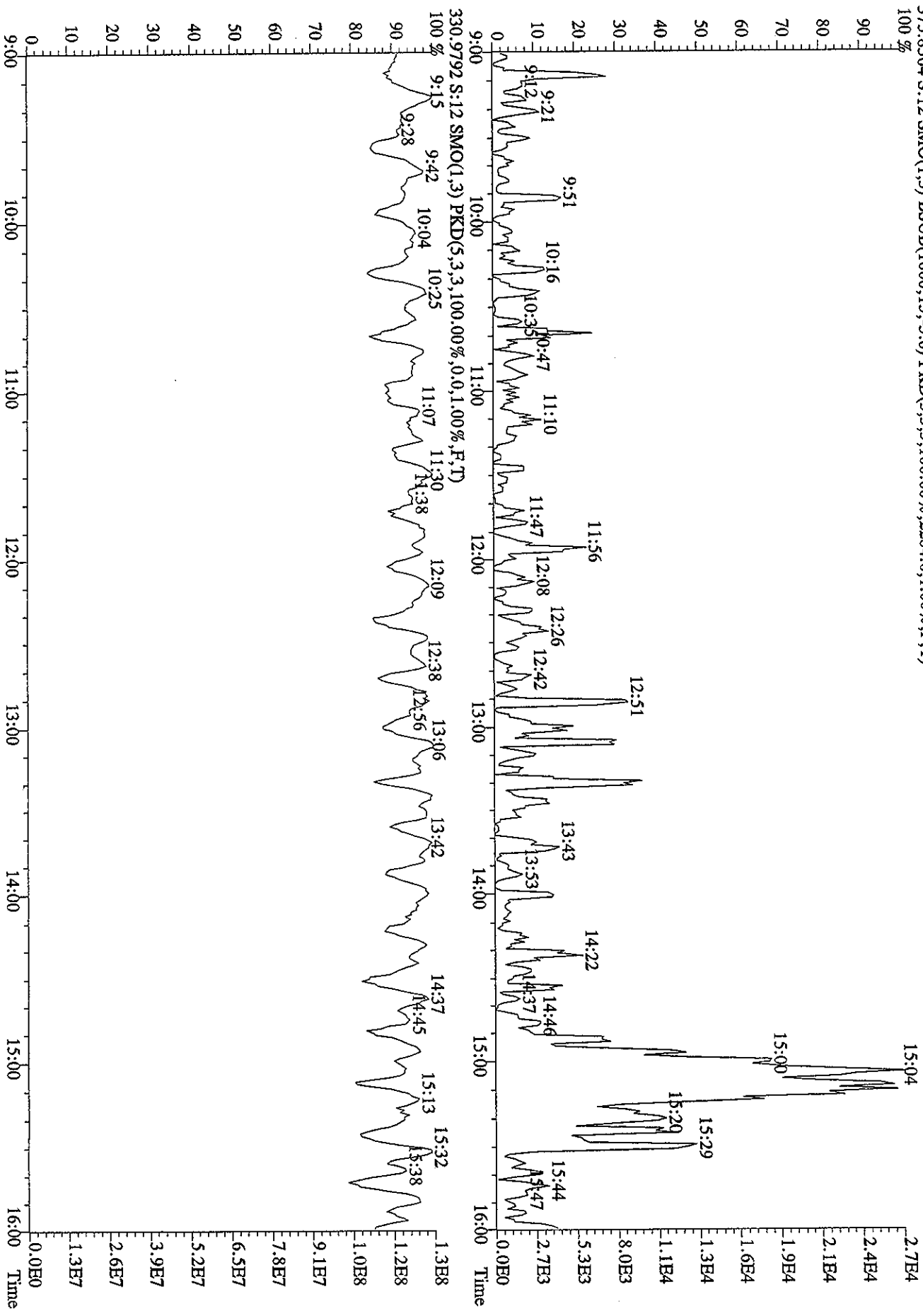
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3340,0.1,00%,F,T) A6.12E5



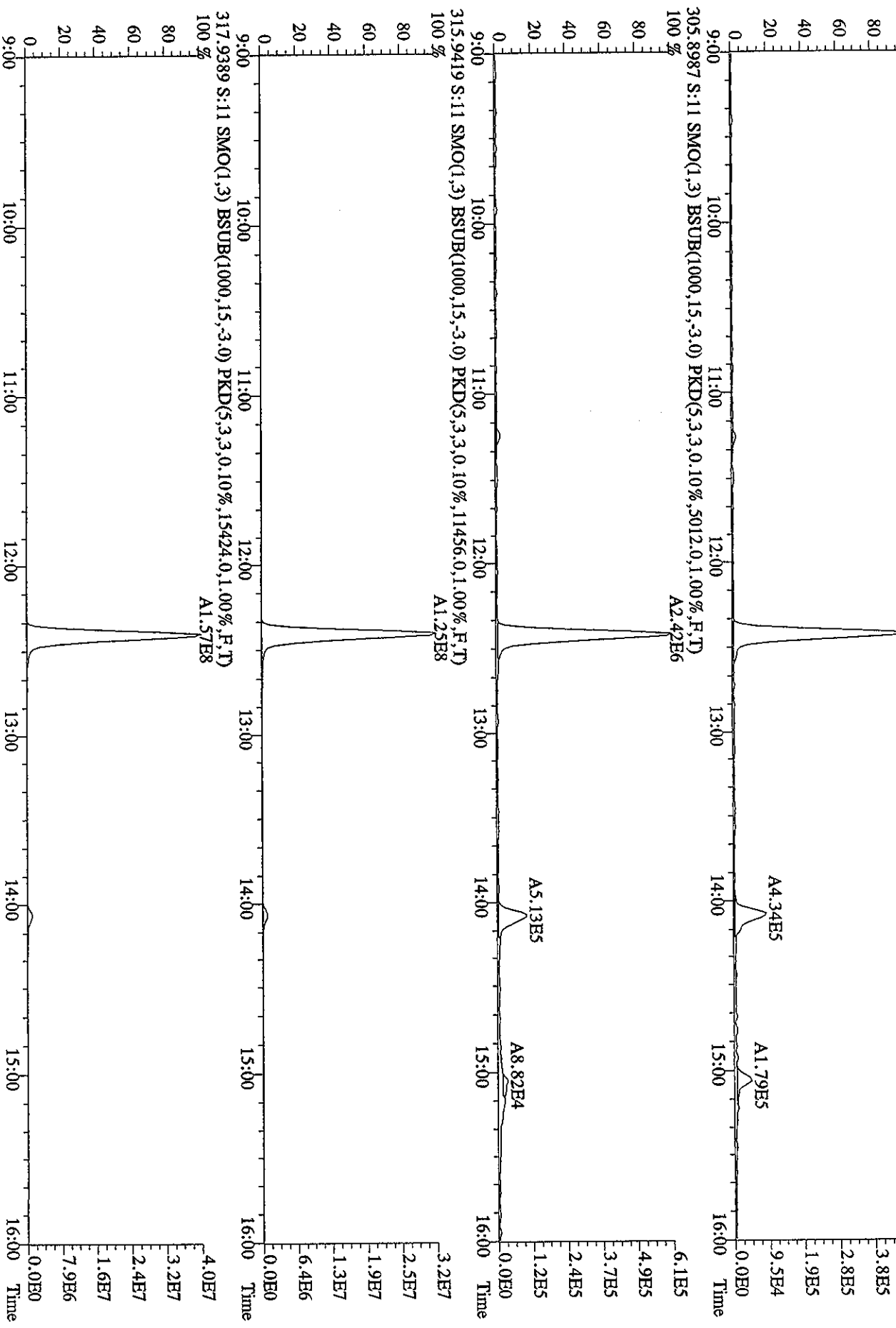
File:16SEP057D2 #1-1168 Acq:16-SEP-2005 14:56:56 GC EI+ Voltage SIR 70S
 Sample#12 Text:ST0916J :CSI 2565-41A Exp:DB225
 319.8965 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3732.0,1.00%,F,T)
 100 % A4.41E5



File:16SE057D2 #1-1168 Acq:16-SEP-2005 14:56:56 GC EI+ Voltage SIR 70S
 Sample#12 Text:ST0916f :CSI 2565-41A Exp:DB225
 375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2284.0,1.00%,F,T)

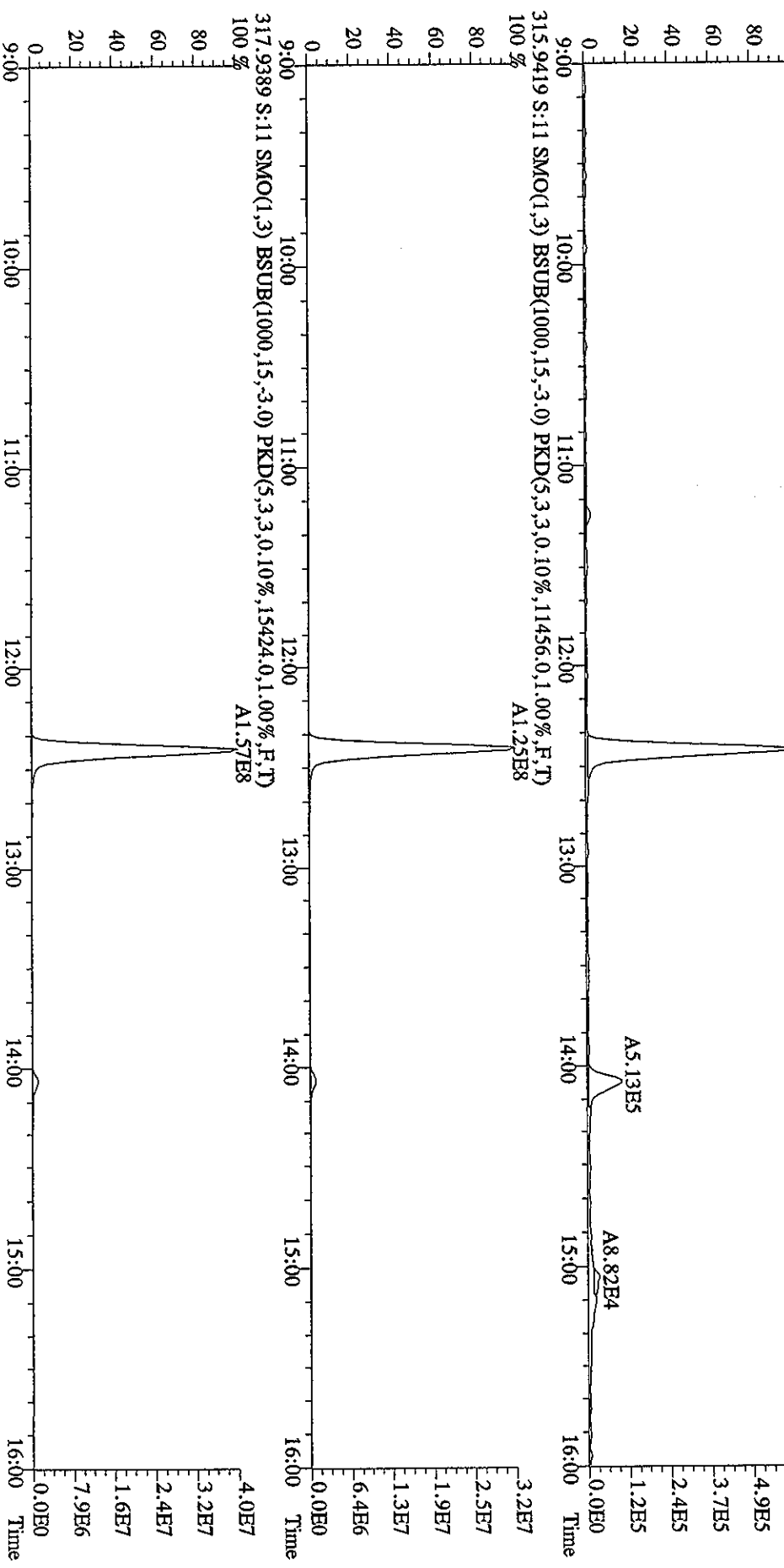


File:16SE057D2 #1-1168 Acq:16-SEP-2005 14:20:31 GC EI+ Voltage SIR 70S
 Sample#11 Tex:ST0916I :CS2 2565-41B Exp:DB225
 303.9016 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3584,0,1.00%,F,T)
 100 % A1.86E6



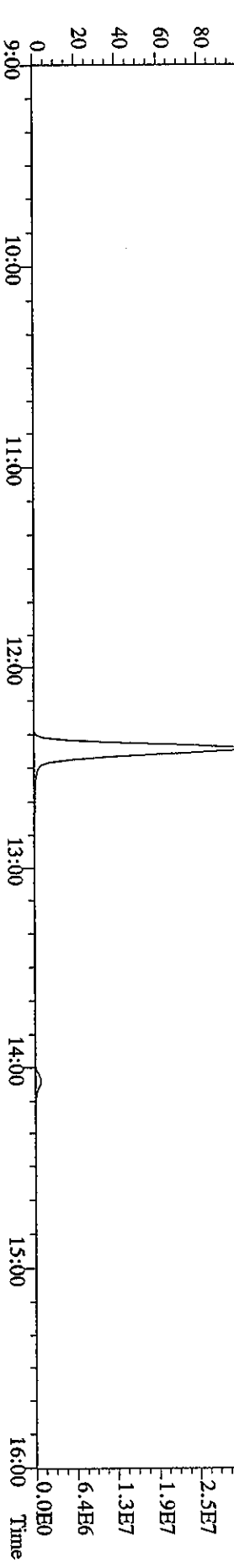
4.7E5
3.8E5
2.8E5
1.9E5
9.5E4
0.0E0

305.8987 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5012,0,1.00%,F,T)
 100 % A2.42E6



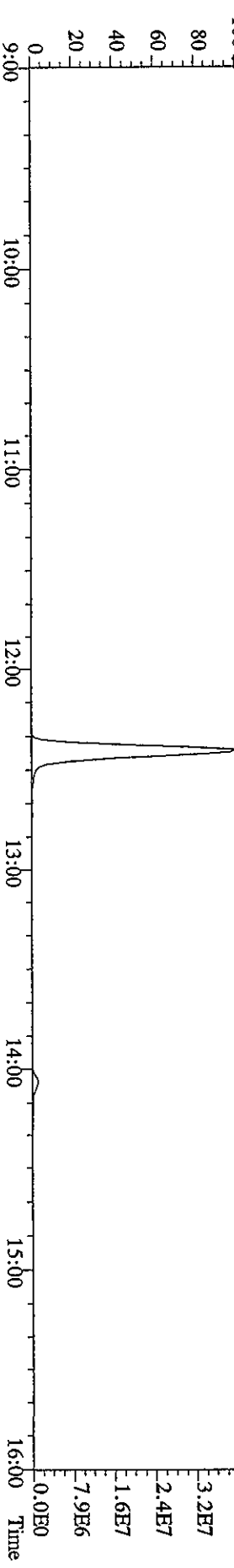
6.1E5
4.9E5
3.7E5
2.4E5
1.2E5
0.0E0

315.9419 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11456,0,1.00%,F,T)
 100 % A1.25E8



3.2E7
2.5E7
1.9E7
1.3E7
6.4E6
0.0E0

317.9389 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,15424,0,1.00%,F,T)
 100 % A1.57E8



4.0E7
3.2E7
2.4E7
1.6E7
7.9E6
0.0E0

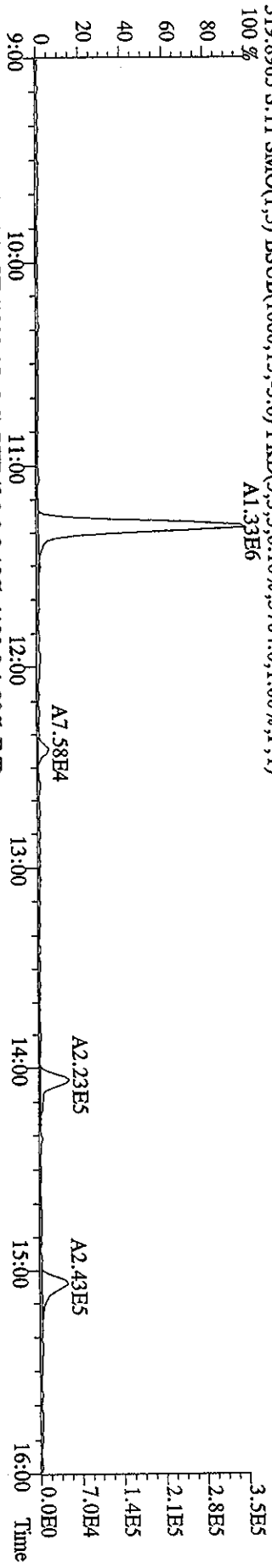
File:16SE057D2 #1-1168 Acq:16-SEP-2005 14:20:31 GC EI+ Voltage SIR 70S

Sample#11 Text:ST09161 :CS2 2365-41B

Exp:DB225

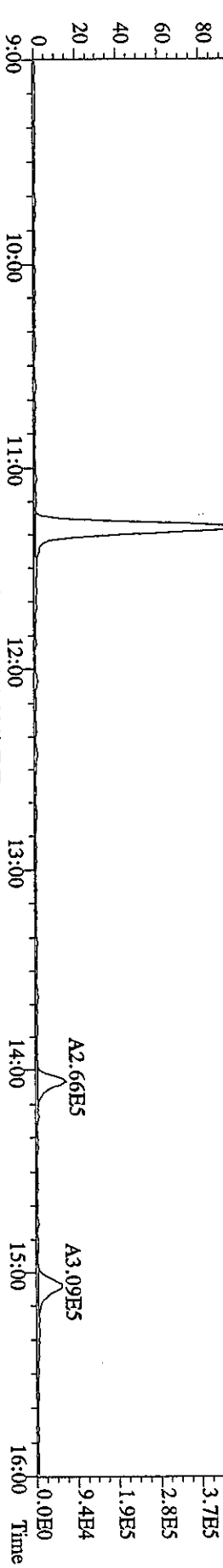
319.8965 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3704.0,1.00%,F,T)

A1.33E6



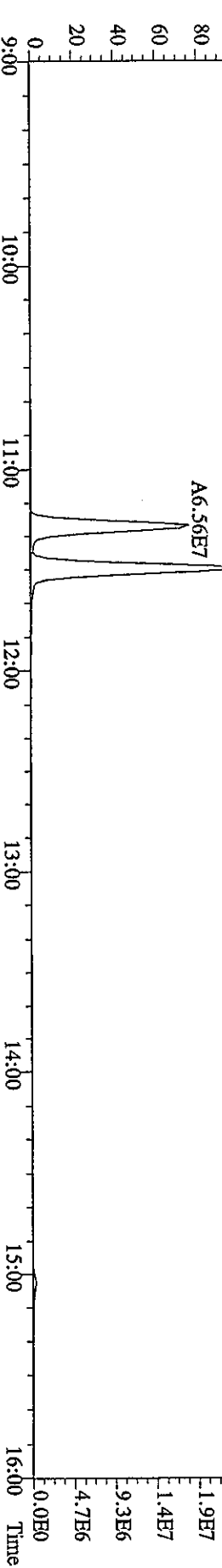
321.8936 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4120.0,1.00%,F,T)

A1.81E6



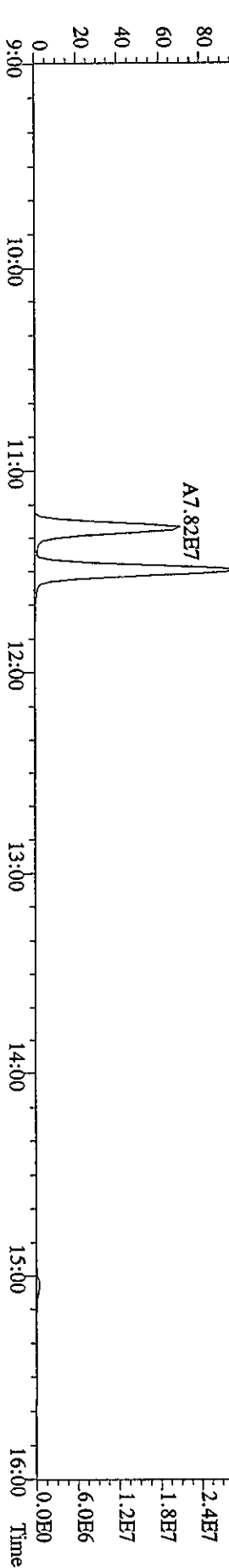
331.9368 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,16284.0,1.00%,F,T)

A8.46E7

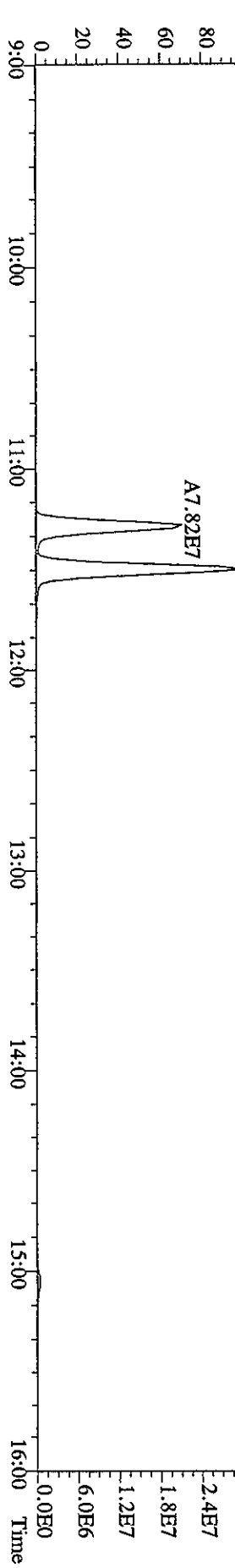
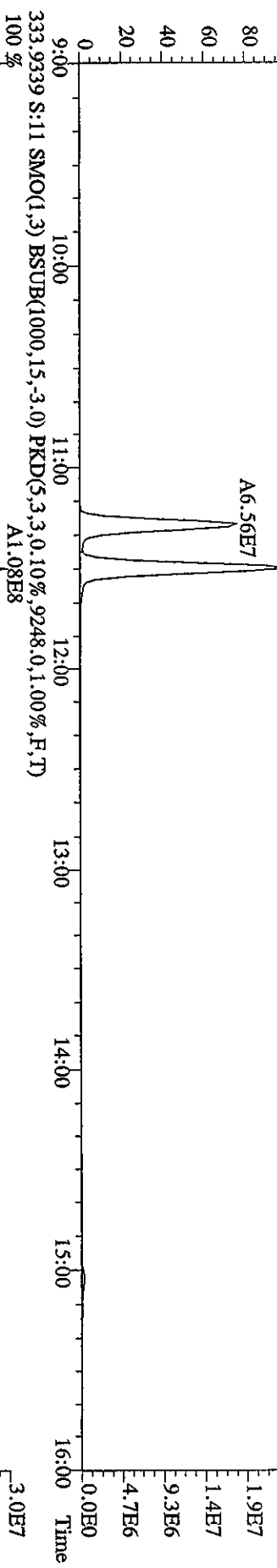
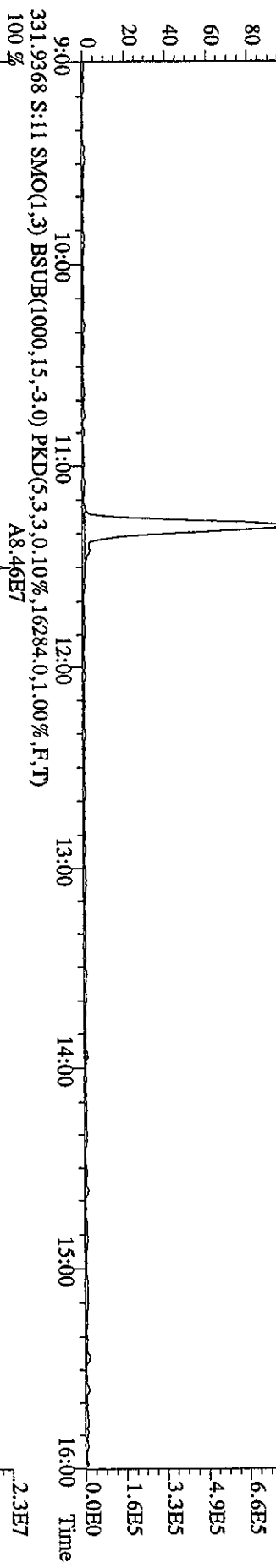
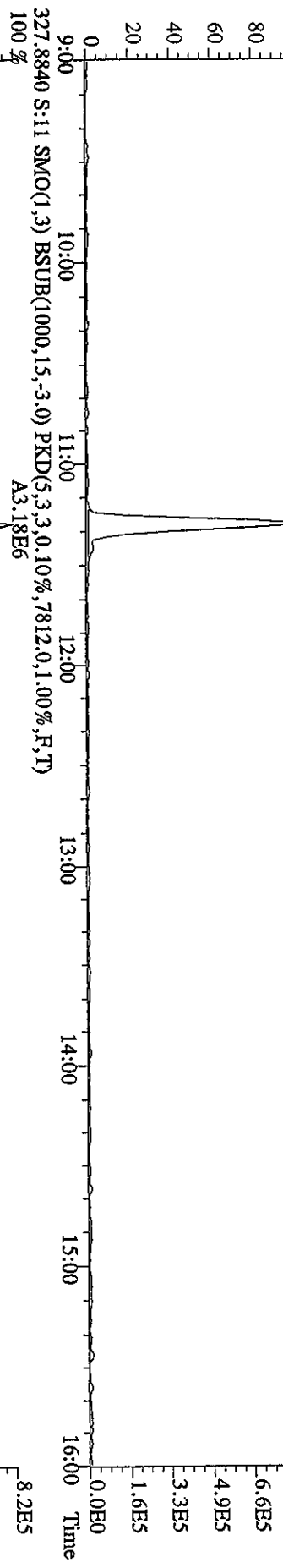


333.9339 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9248.0,1.00%,F,T)

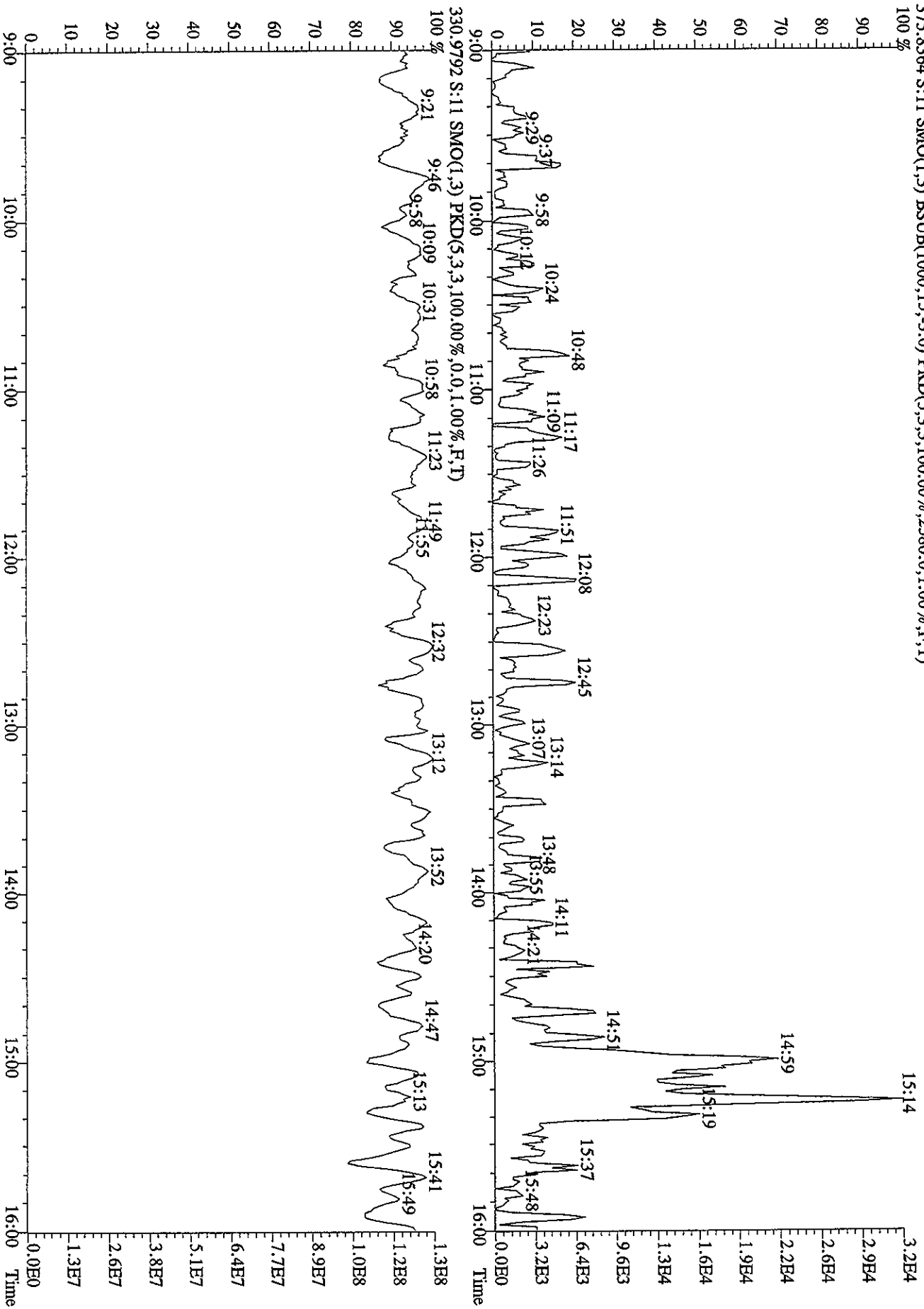
A1.08E8



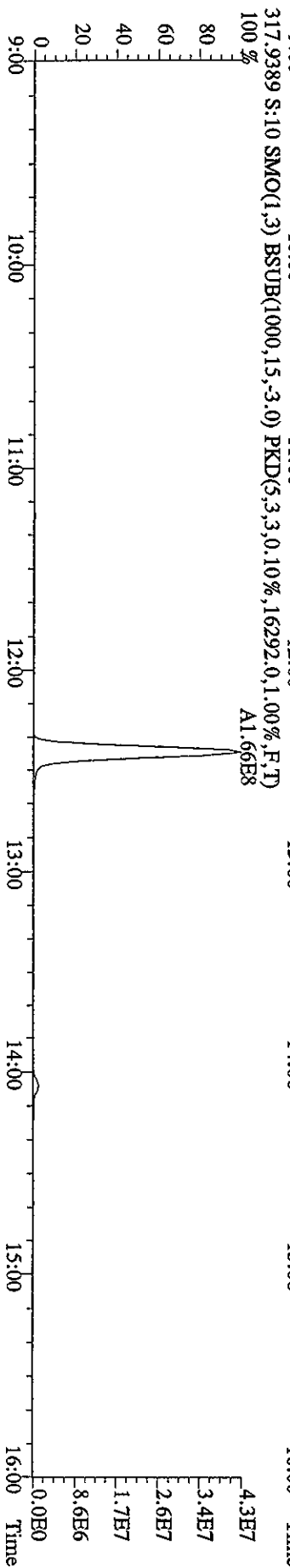
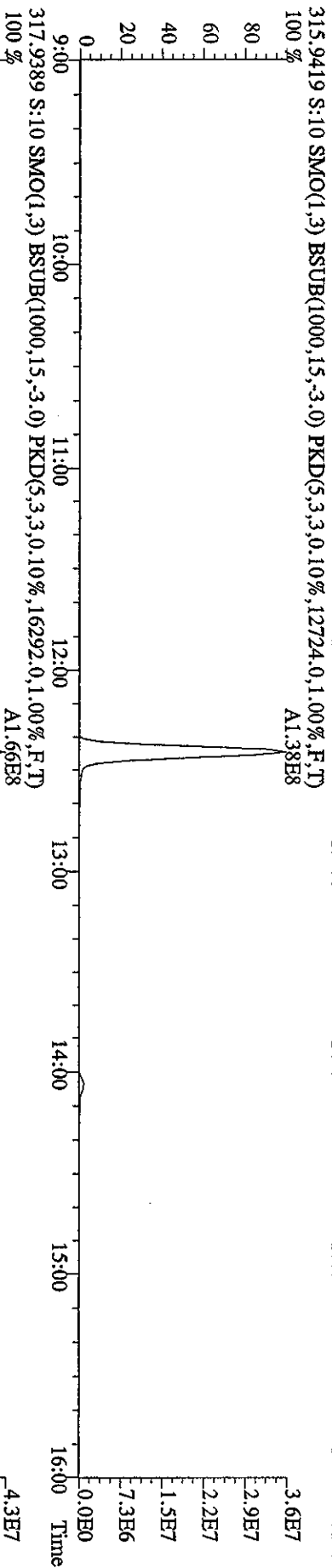
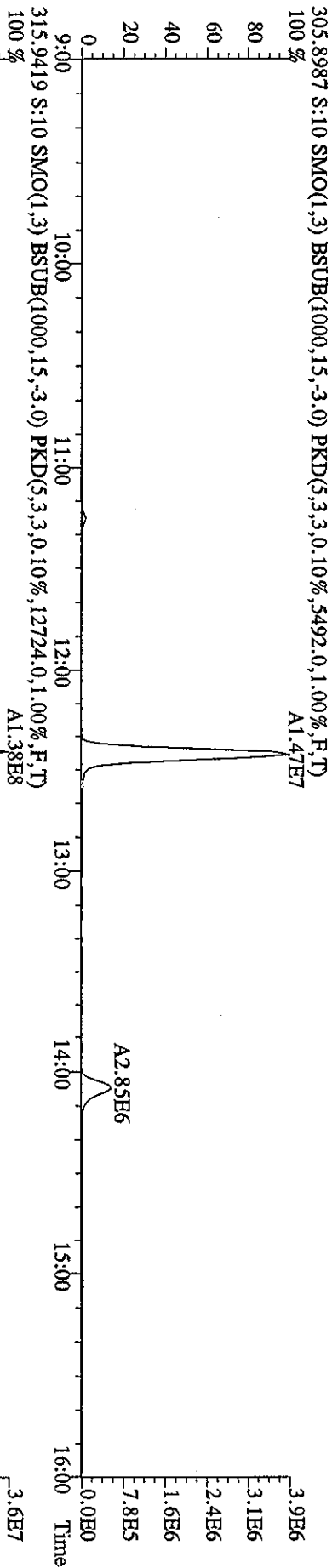
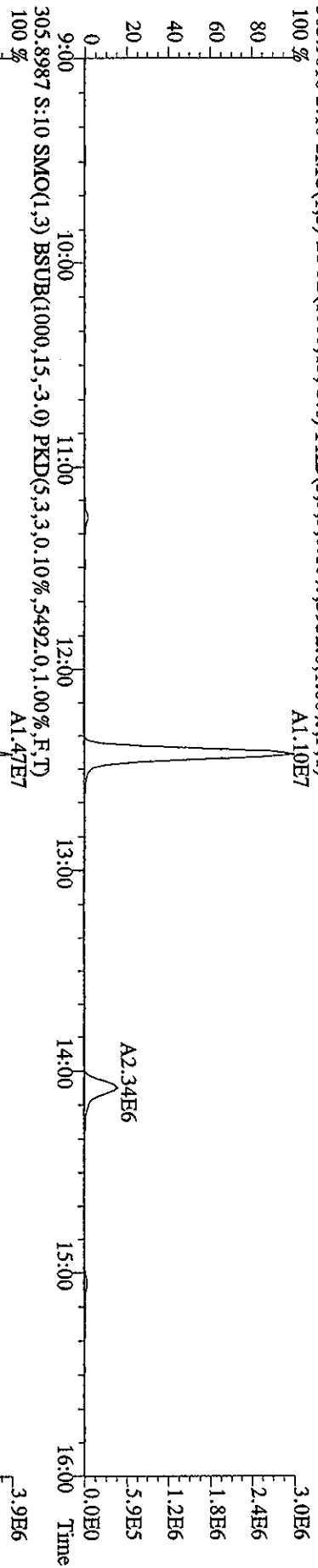
File:16SEP057D2 #1-1168 Acq:16-SEP-2005 14:20:31 GC EI+ Voltage SIR 70S
 Sample#11 Text:ST0916I :CS2 2365-41B Exp:DB225
 327.8840 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7812.0,1.00%,F,T)
 100% A3.18E6



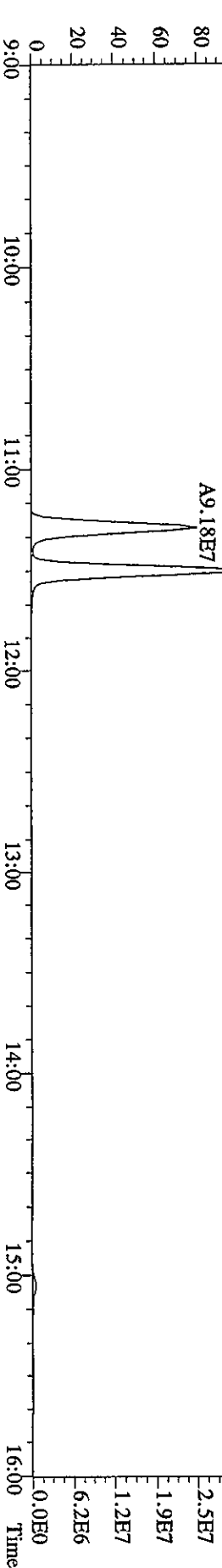
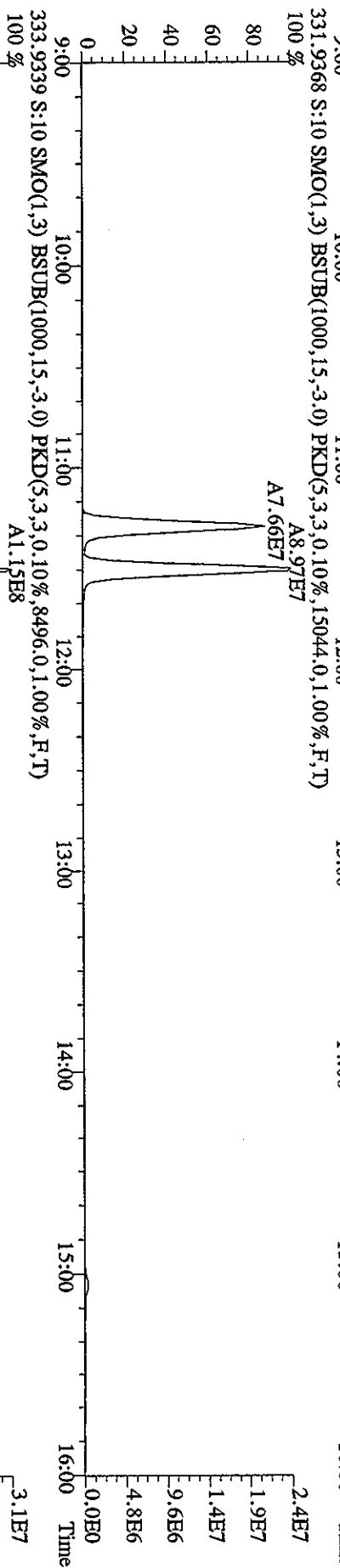
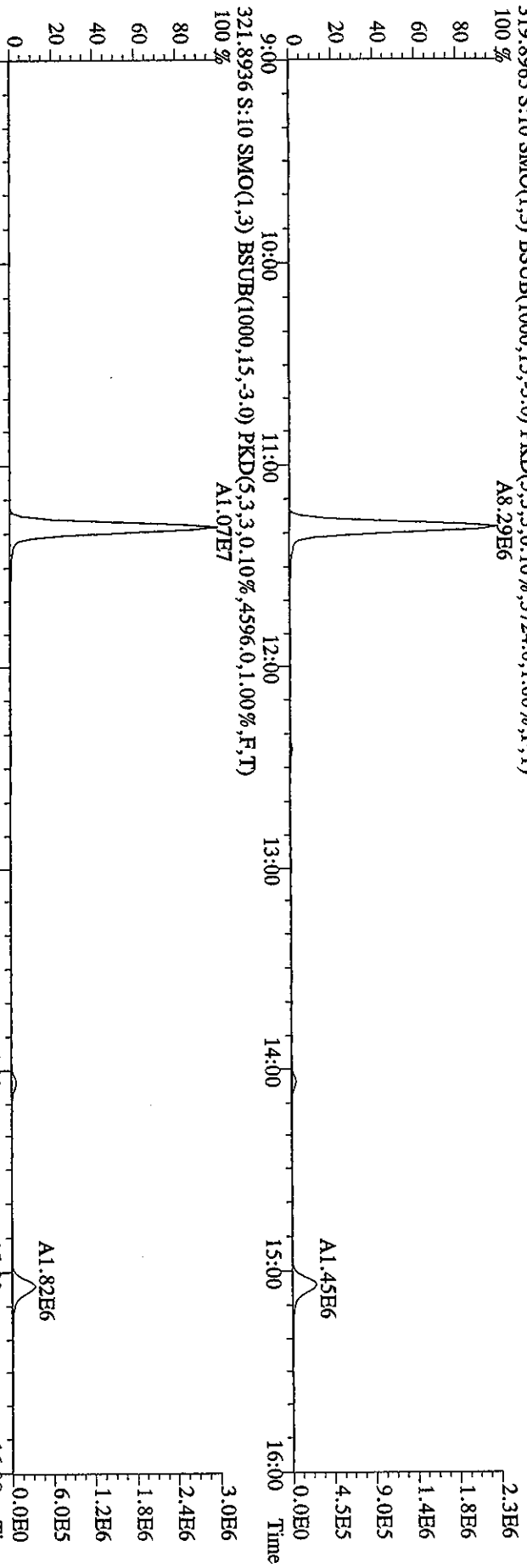
File: 16SIB057D2 #1-1168 Acq: 16-SEP-2005 14:20:31 GC EI+ Voltage SIR 70S
 Sample#11 Text: ST0916I :CS2 2565-41B Exp: DB225
 375.8364 S:11 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,2580.0,1.00%,F,T)



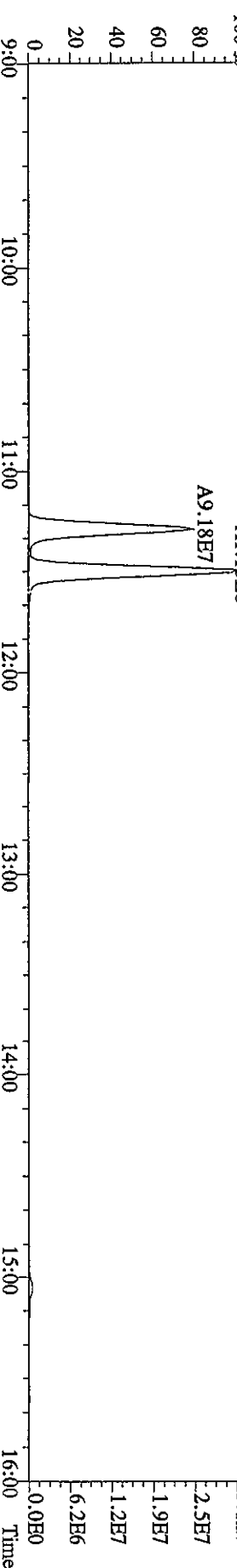
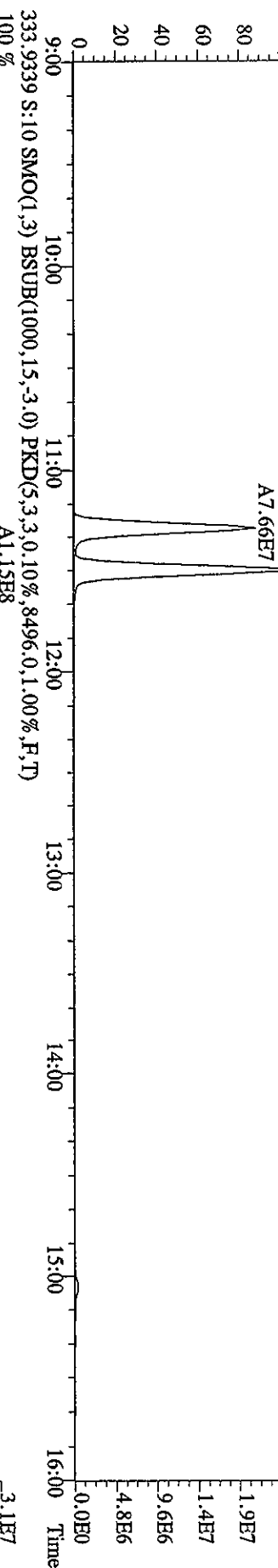
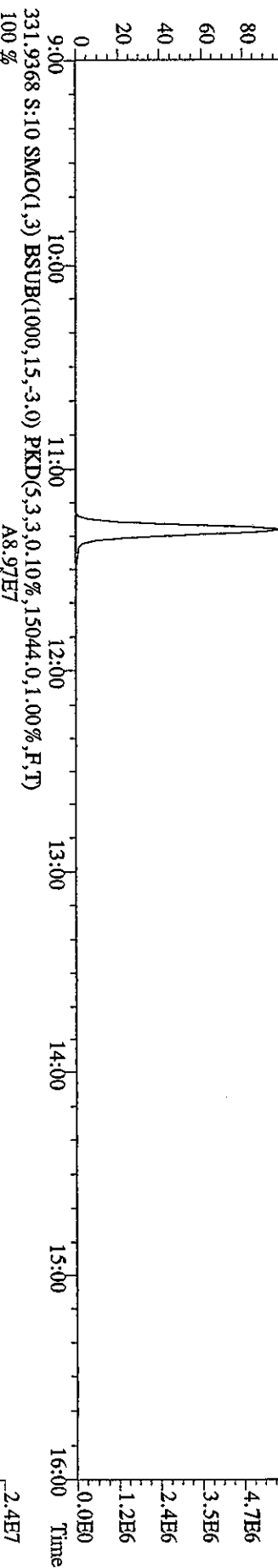
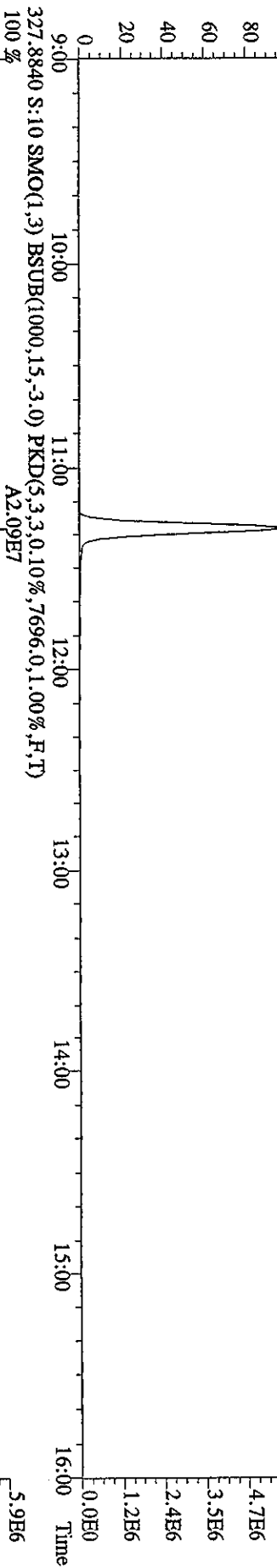
File:16SE057D2 #1-1169 Acq:16-SEP-2005 13:44:08 GC EI+ Voltage SIR 70S
 Sample#10 Text:ST0916H :CS3 2565-41C Exp:DB225
 303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3932.0,1.00%,F,T)
 100% A1.10E7



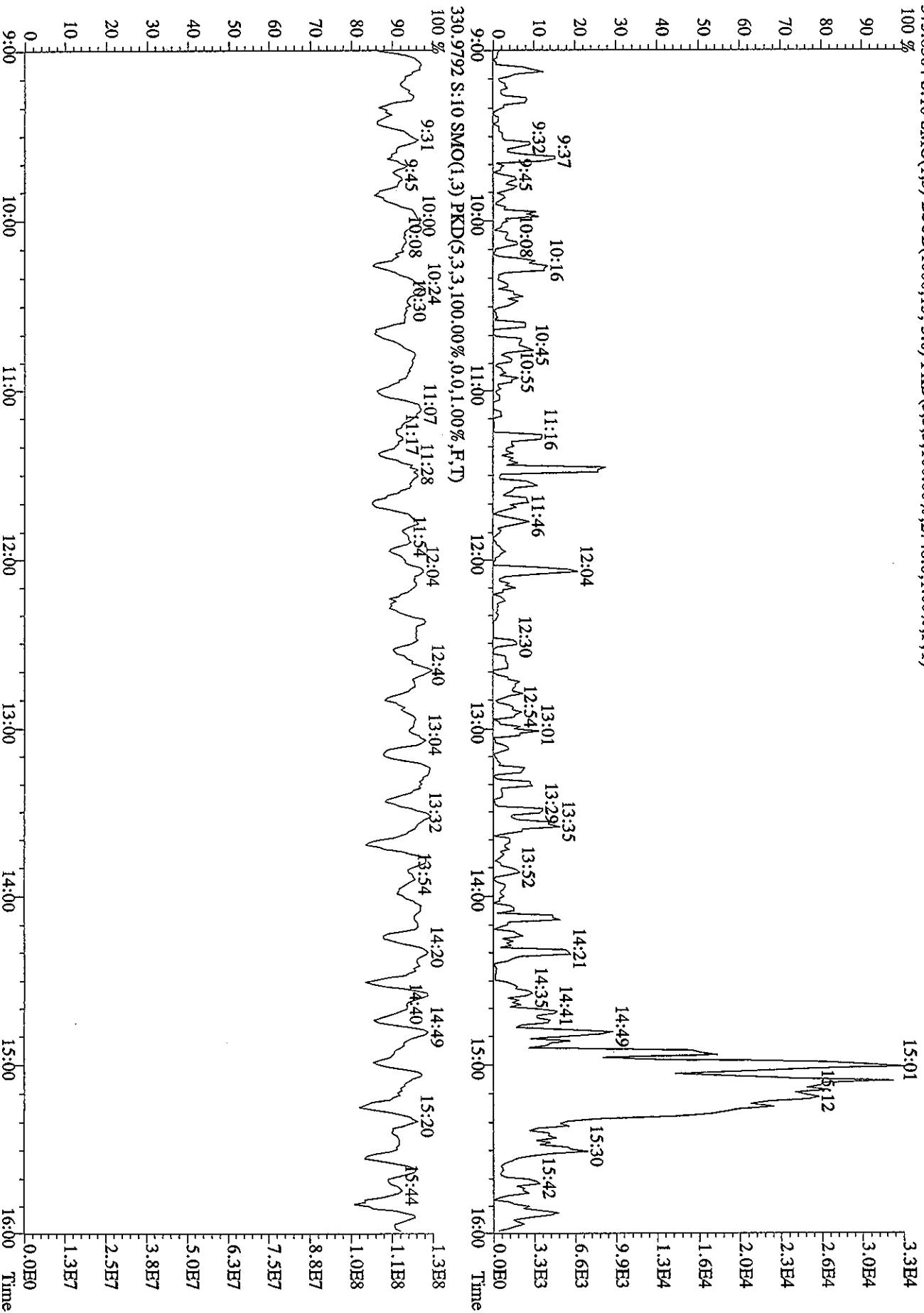
File: 16SE057D2 #1-1169 Acq: 16-SEP-2005 13:44:08 GC EI+ Voltage STR 70S
 Sample#10 Text: ST0916H :CS3 2565-41C Exp: DB225
 319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3724,0,1,00%,F,T)
 100% A8.29E6



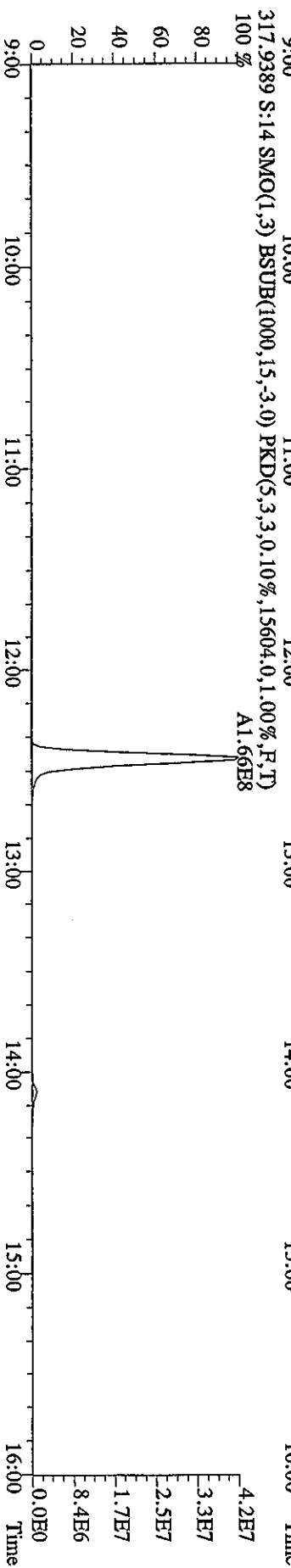
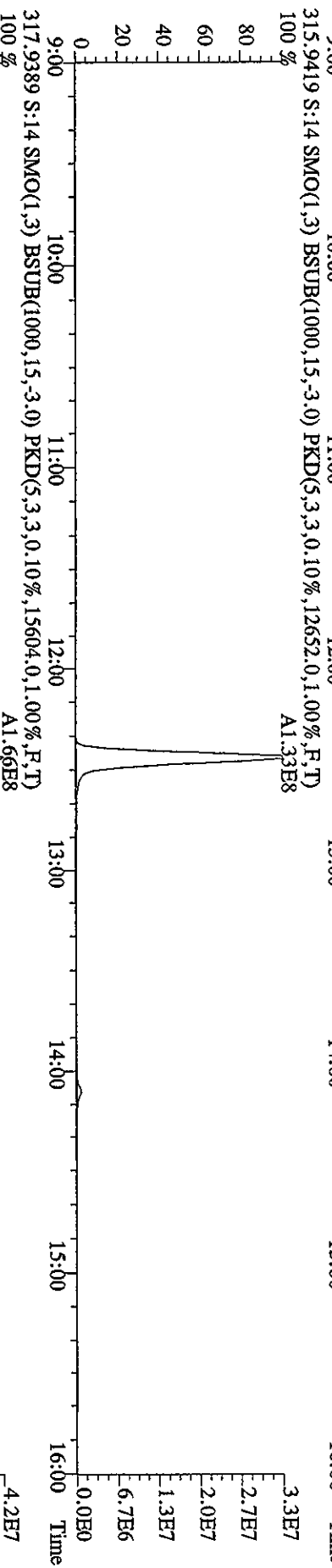
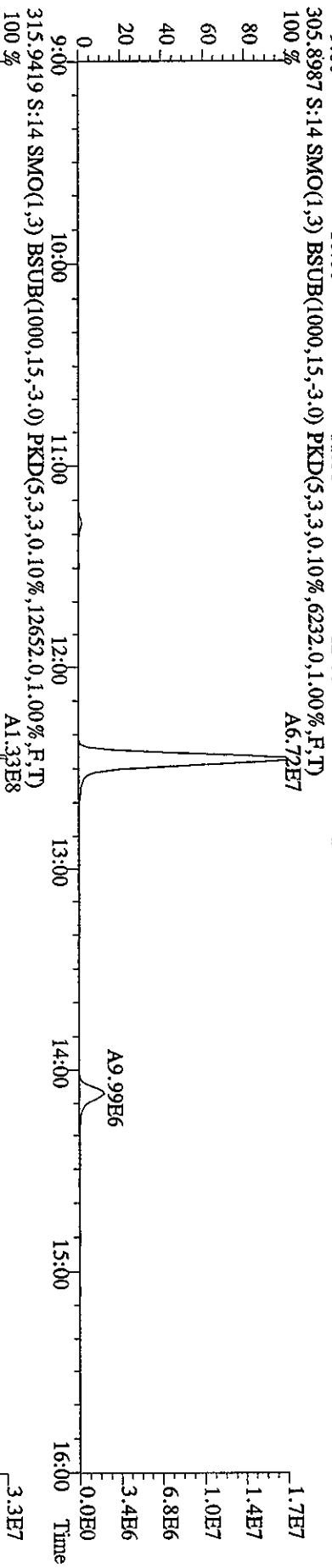
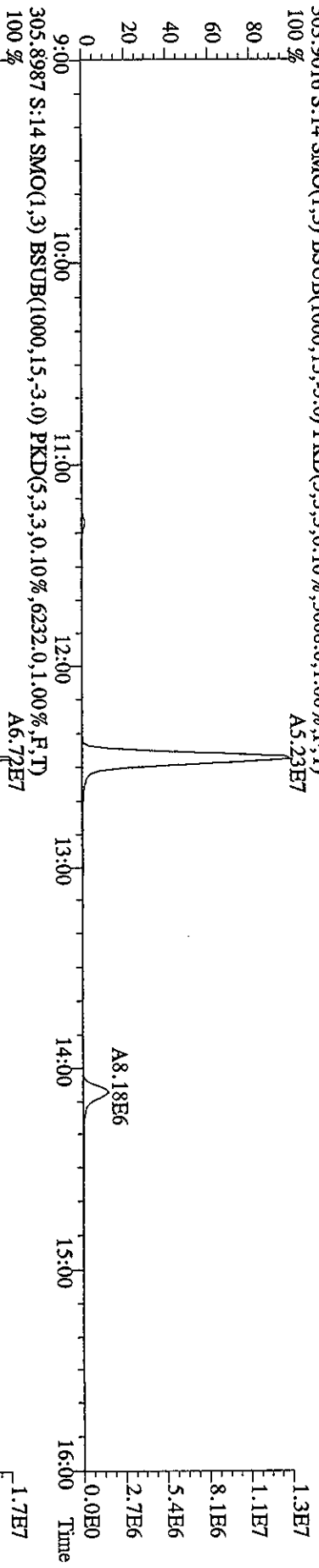
File:16SB057D2 #1-1169 Acq:16-SEP-2005 13:44:08 GC EI+ Voltage SIR 70S
Sample#10 Text:ST0916H :CS3 2565-41C Exp:DB225
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7696,0,1.00%,F,T)
100% A2.09E7



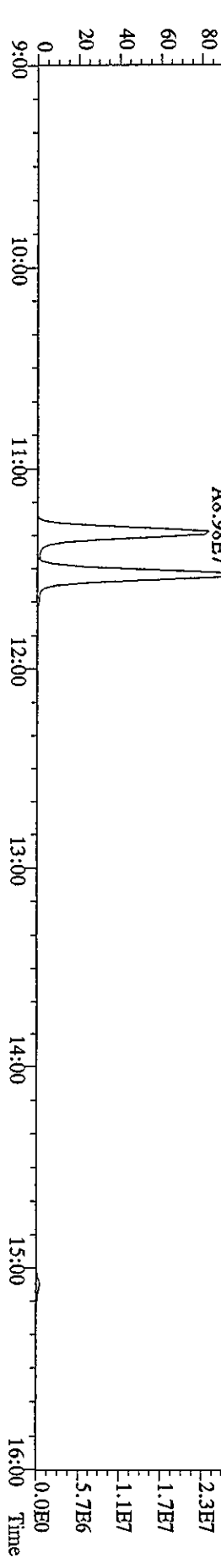
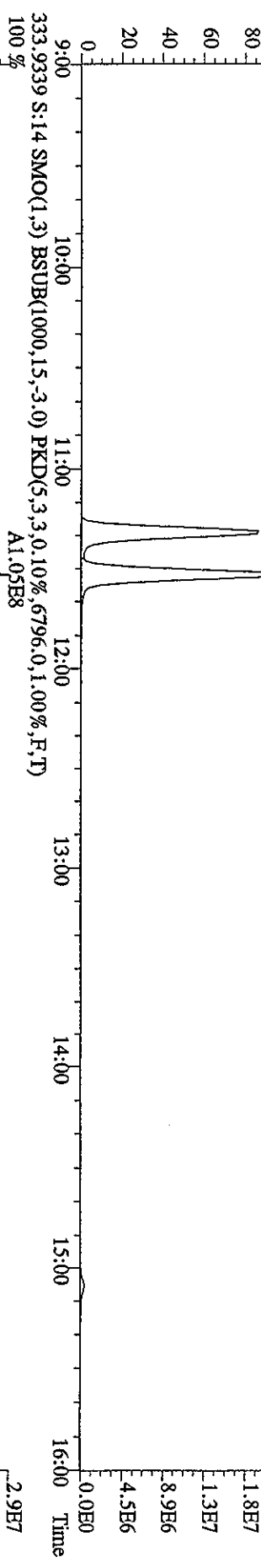
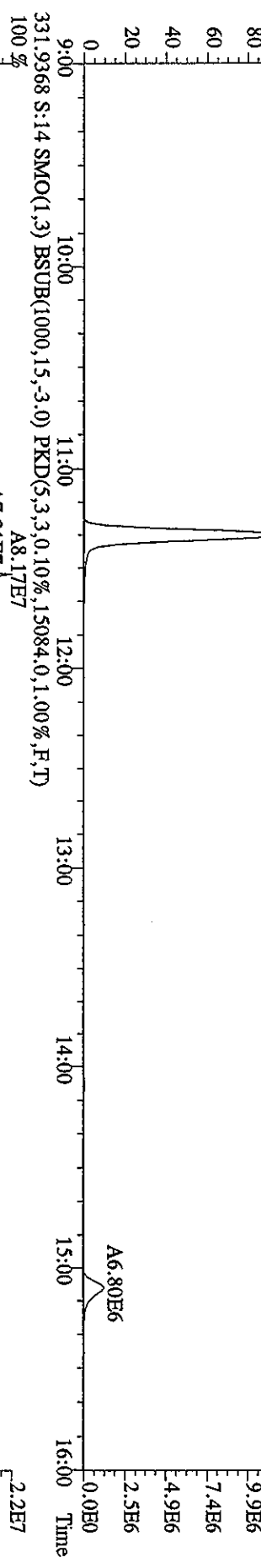
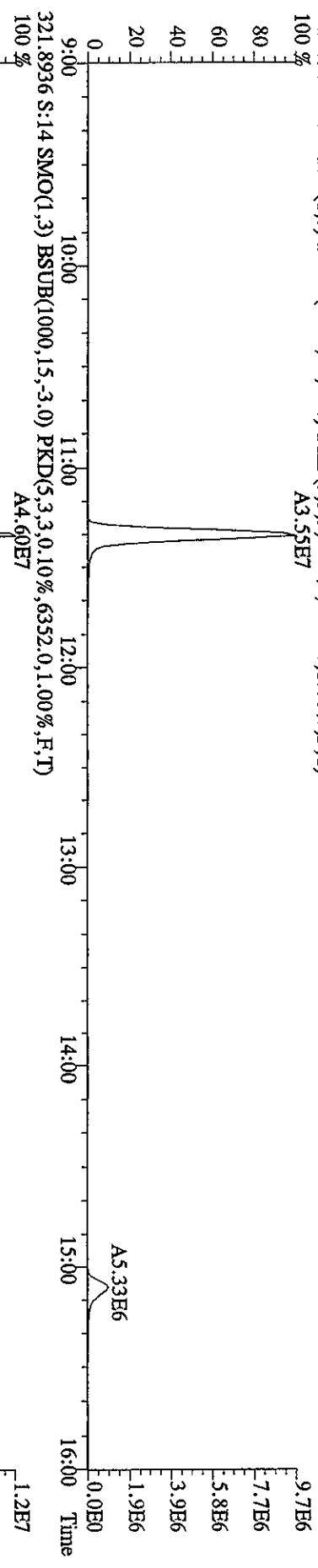
File: 16SB057D2 #1-1169 Acq: 16-SEP-2005 13:44:08 GC EI+ Voltage SIR 70S
 Sample#10 Text: ST0916H :CS3 2565-41C Exp: DB225
 375.8364 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,100.00%,2748.0,1.00%,F,T)



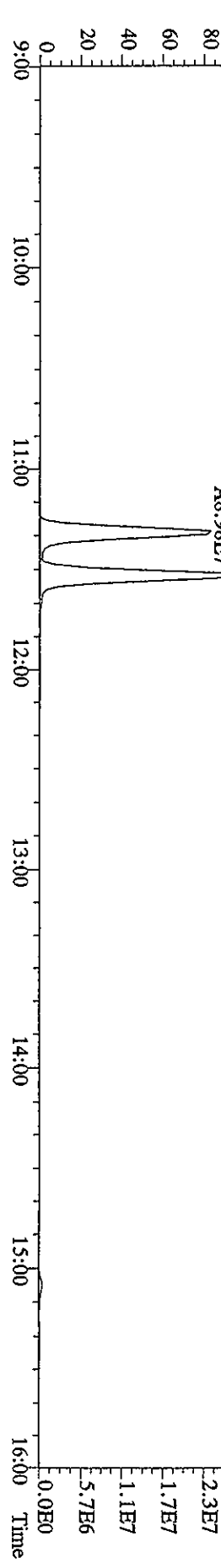
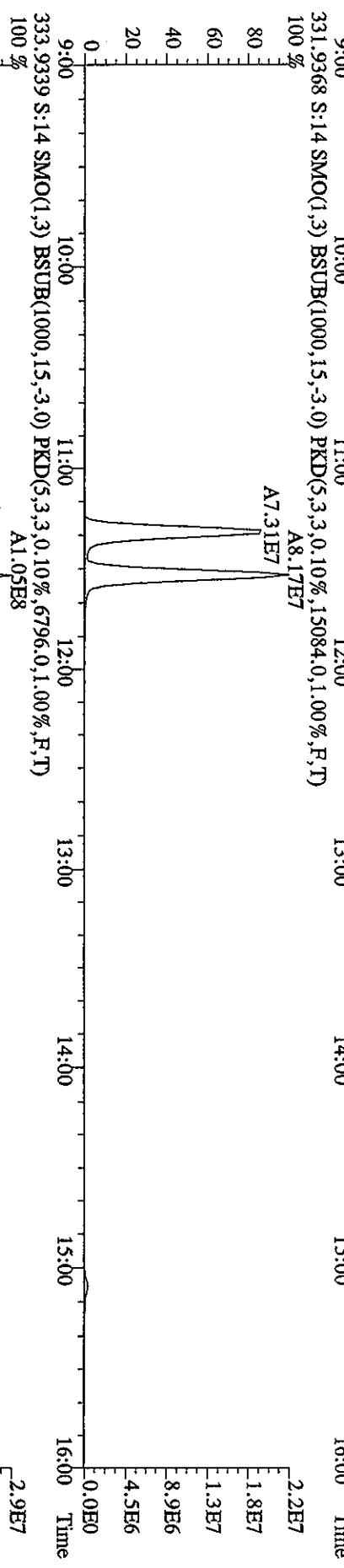
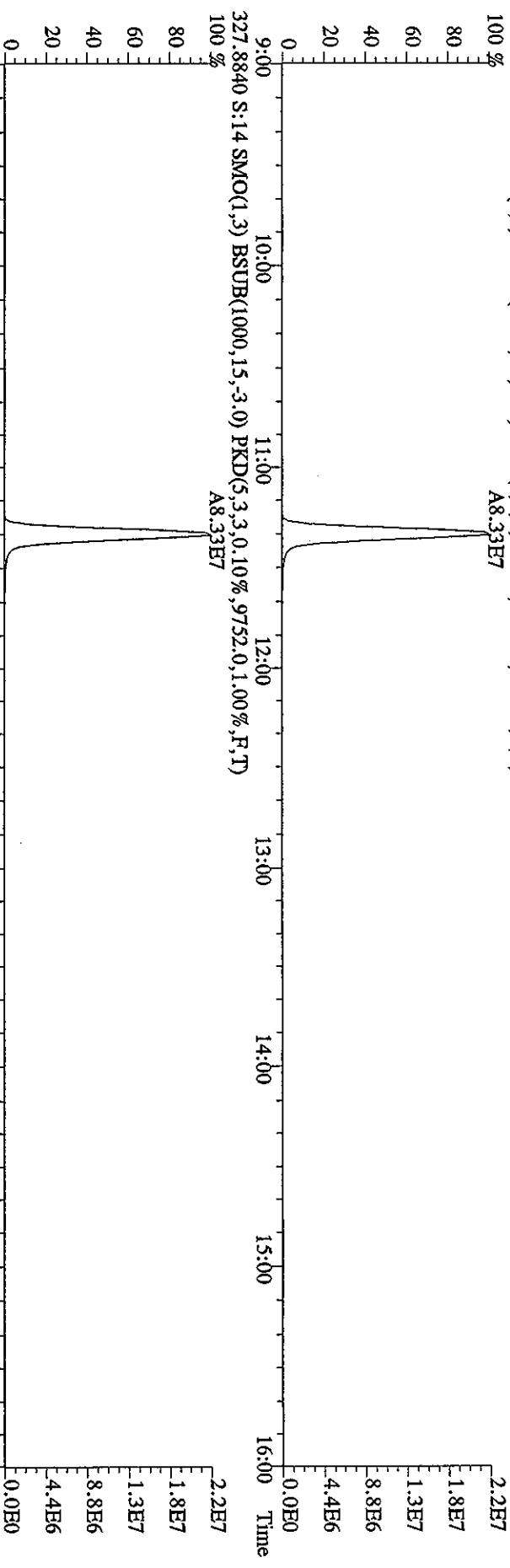
File:16SE057D2 #1-1048 Acq:16-SEP-2005 16:26:30 GC EI+ Voltage SIR 70S
Sample#14 Text:ST0916L :CS4 2565-41D Exp:DB225
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5608,0,1,00%,F,T)
100% A5.23E7



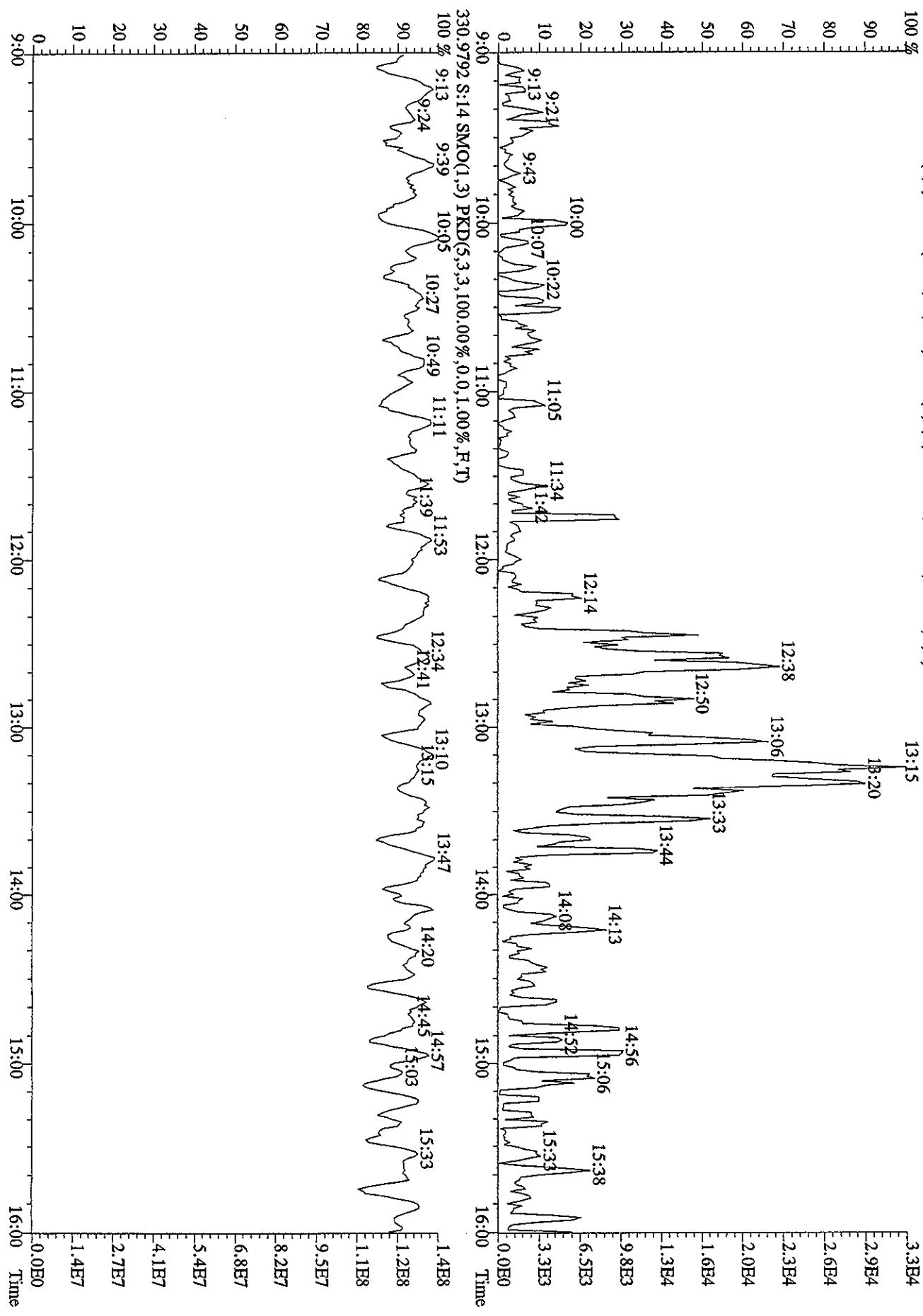
File:16SE057D2 #1-1052 Acq:16-SEP-2005 16:26:30 GC EI+ Voltage SIR 70S
 Sample#14 Text:ST0916L :CS4 2565-41D Exp:DB225
 319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6120,0,1,00%,F,T)
 100 % A3.55E7



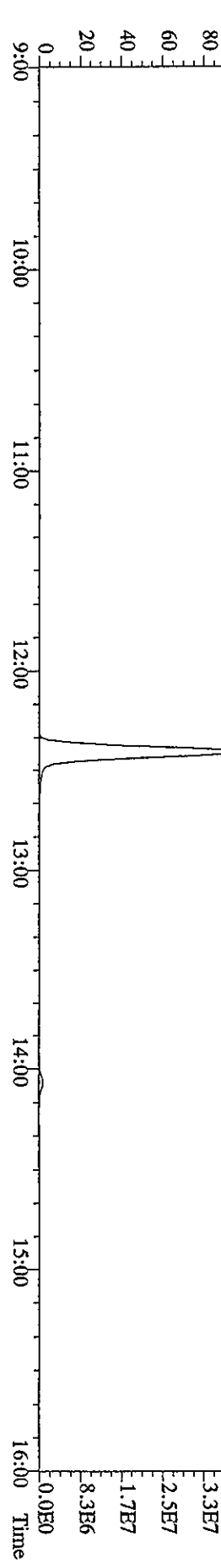
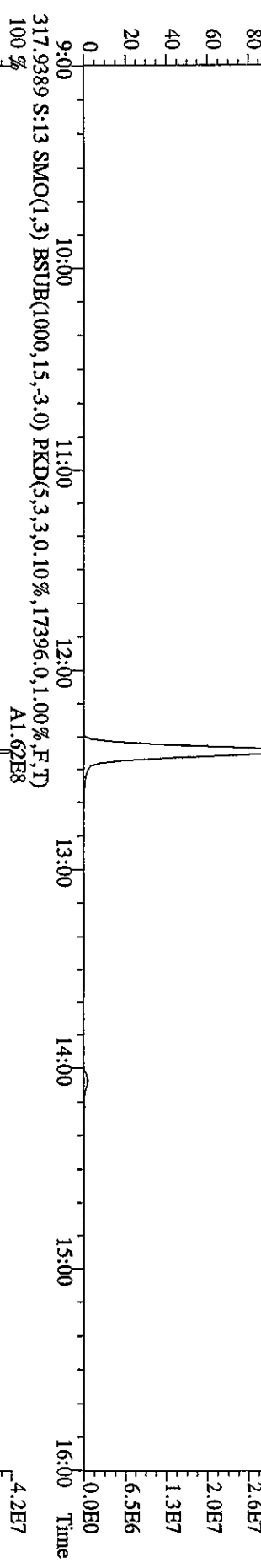
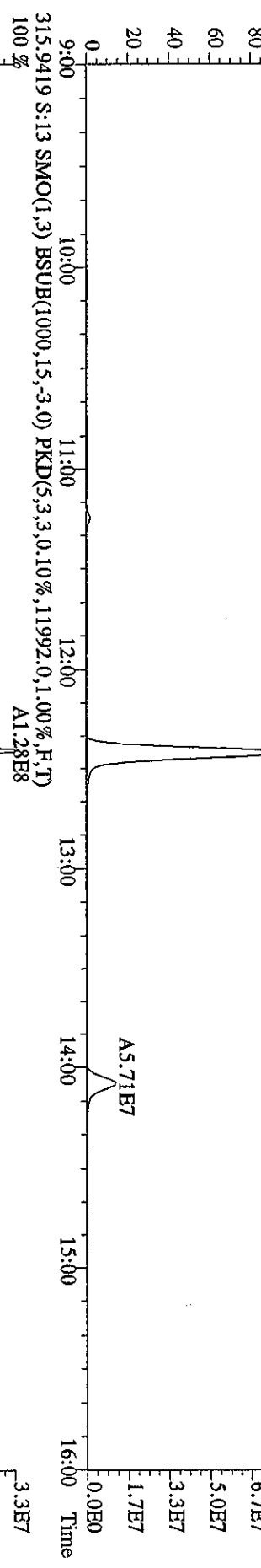
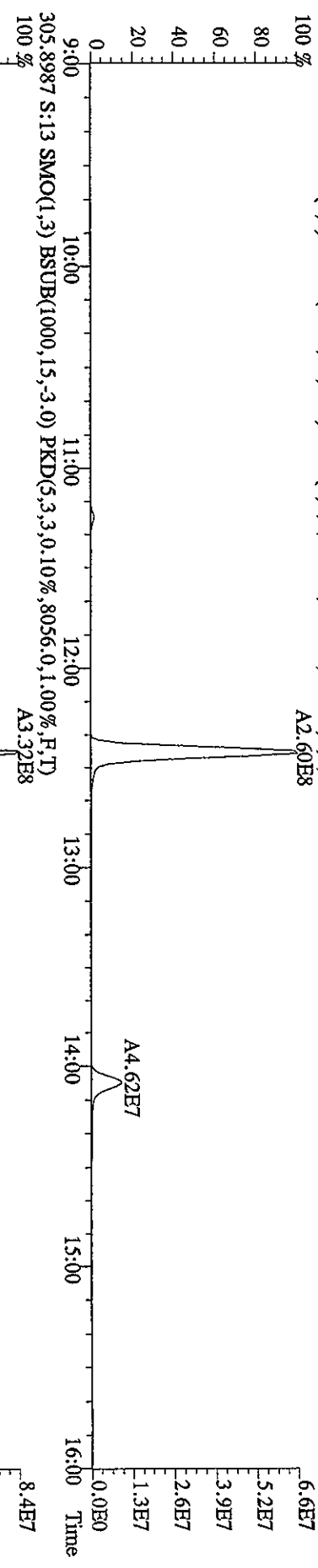
File:16SE057D2 #1-1056 Acq:16-SEP-2005 16:26:30 GC EI + Voltage SIR 70S
Sample#14 Text:ST0916L :CS4 2565-41D Exp:DB225
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9752.0,1.00%,F,T)
100% A8.33E7



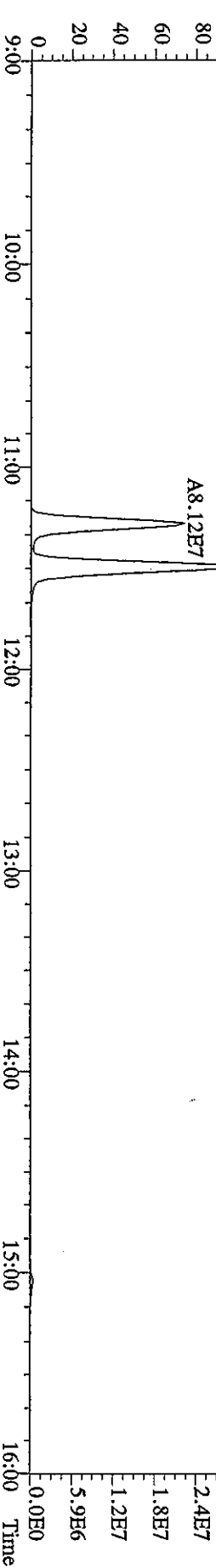
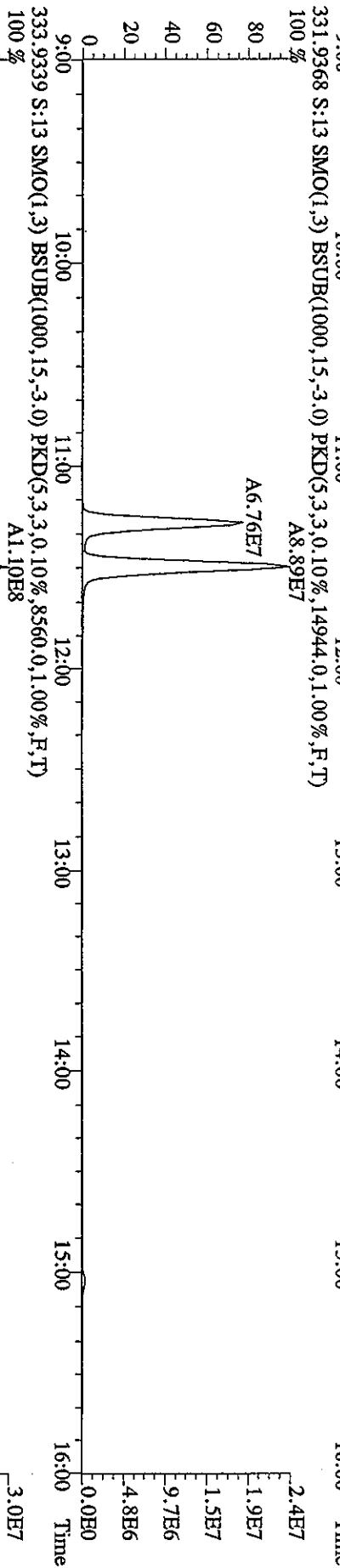
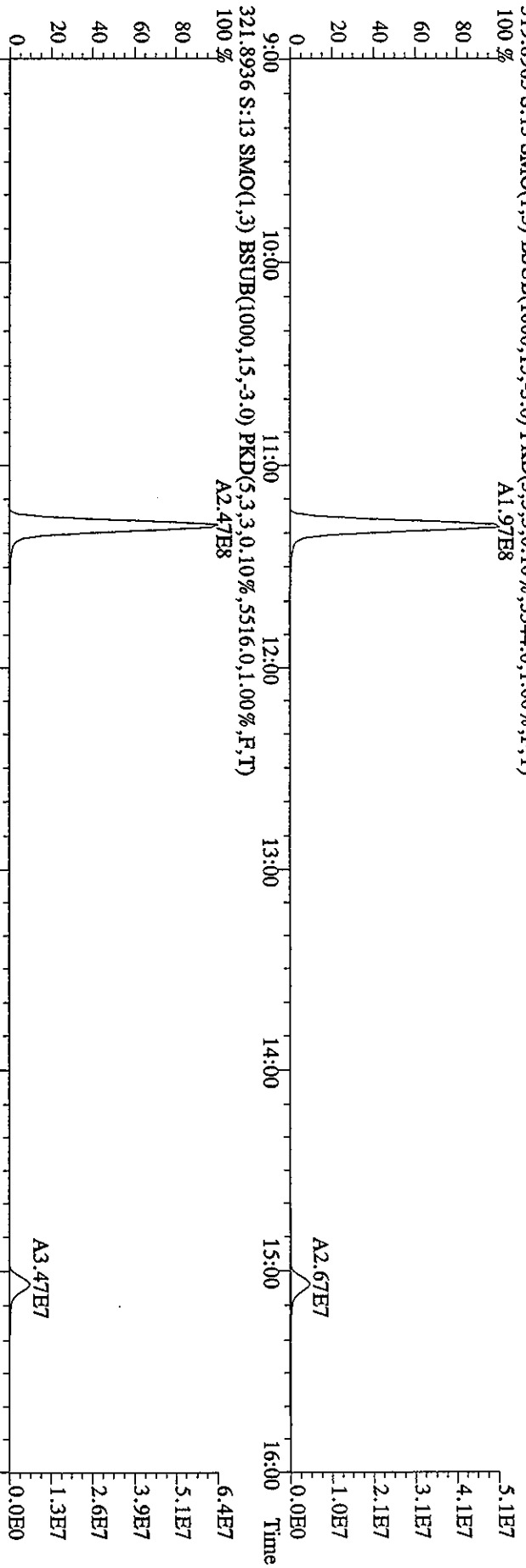
File:16SEB057D2 #1-1060 Acq:16-SEP-2005 16:26:30 GC EI+ Voltage SIR 70S
 Sample#14 Text:ST0916L :CS4 2565-41D Exp:DB225
 375 8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2496.0,1.00%,F,T)



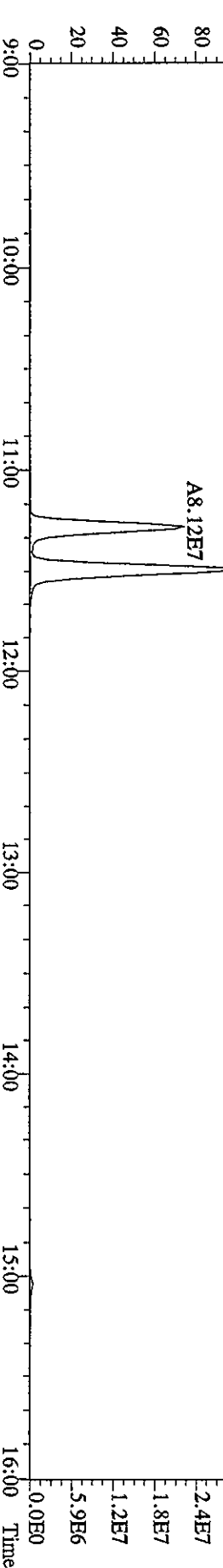
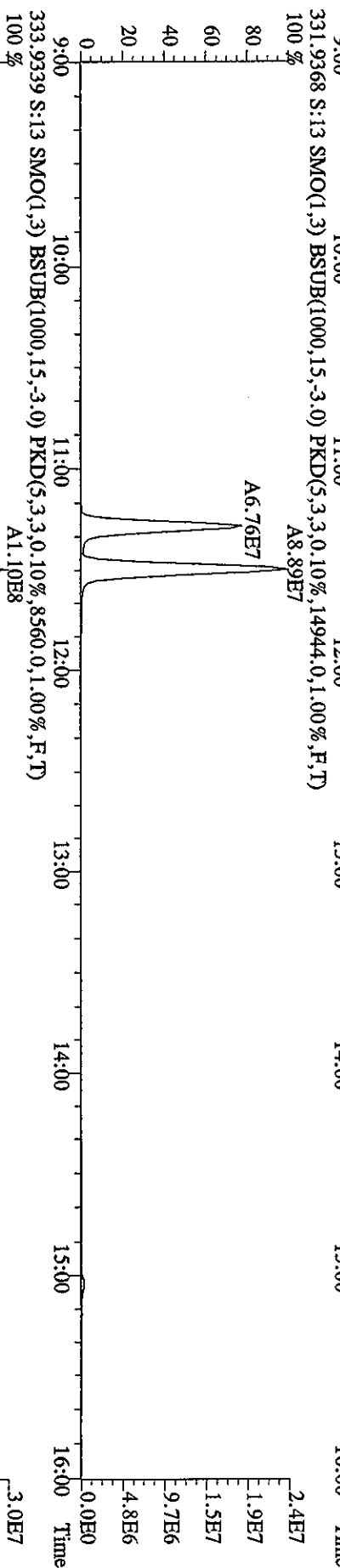
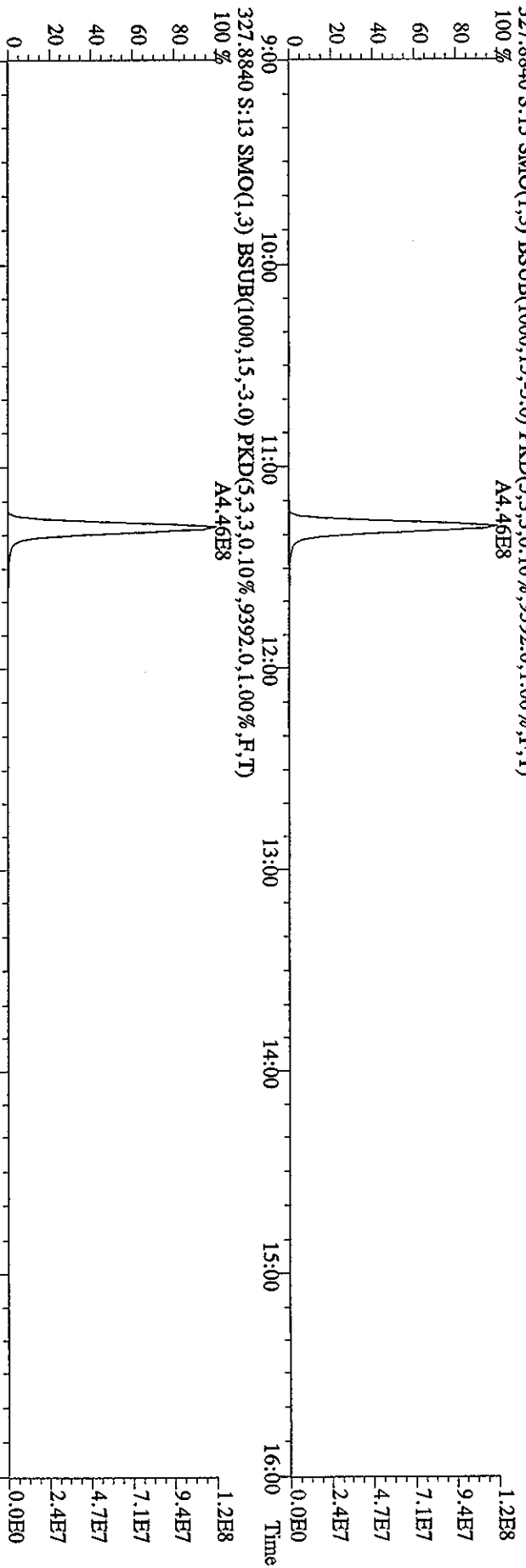
File:16SE057D2 #1-1168 Acq:16-SEP-2005 15:33:20 GC EI+ Voltage SIR 70S
Sample#13 Text:ST0916K :CSS 2565-41E Exp:DB225
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8592,0,1,00%,F,T)
100% A2.60E8



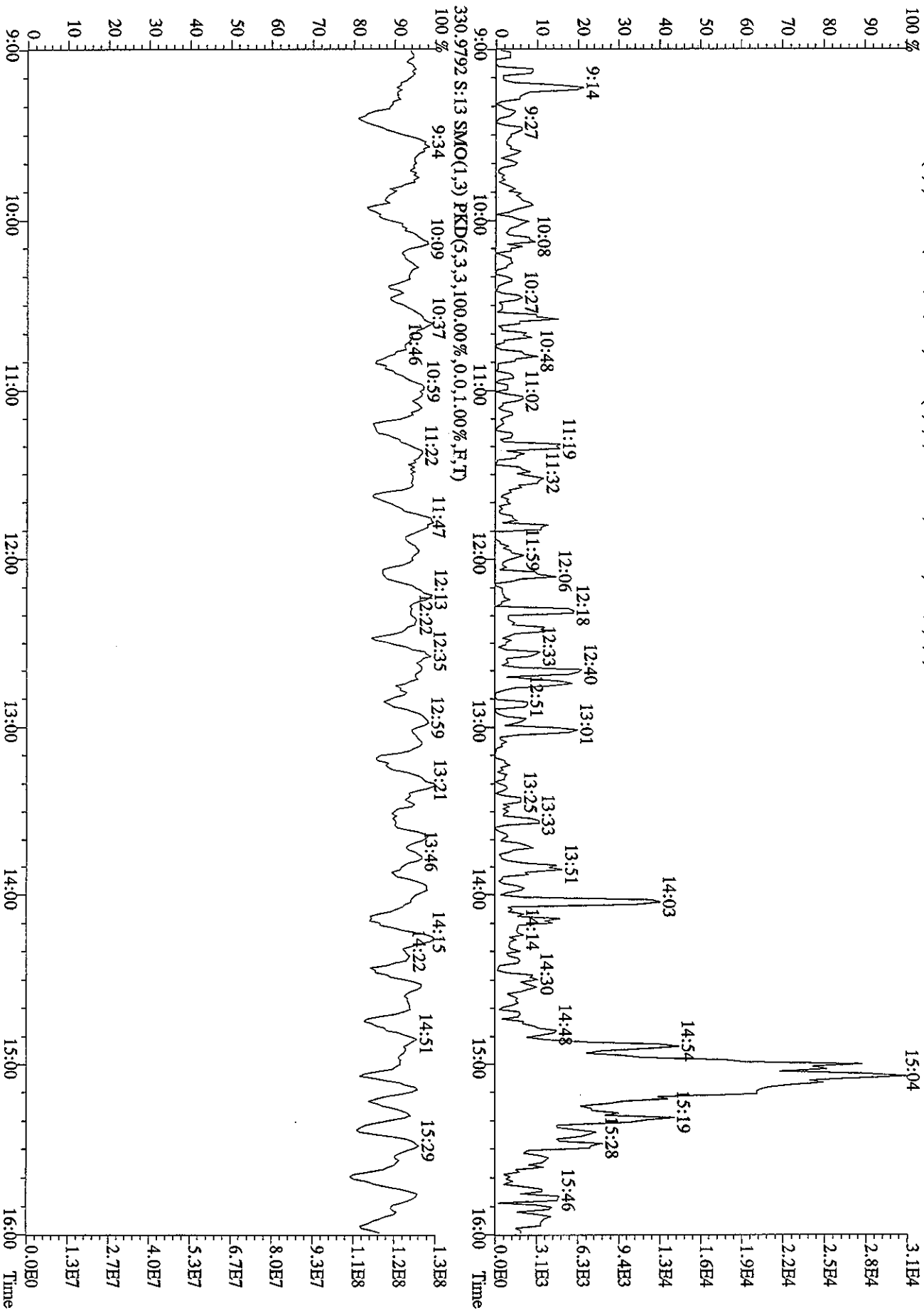
File:16SE057D2 #1-1168 Acq:16-SEP-2005 15:33:20 GC EI+ Voltage SIR 70S
 Sample#13 Text:ST0916K :CSS 2565-41E Exp:DB225
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5344,0,1,00%,F,T)
 100% A1.97E8



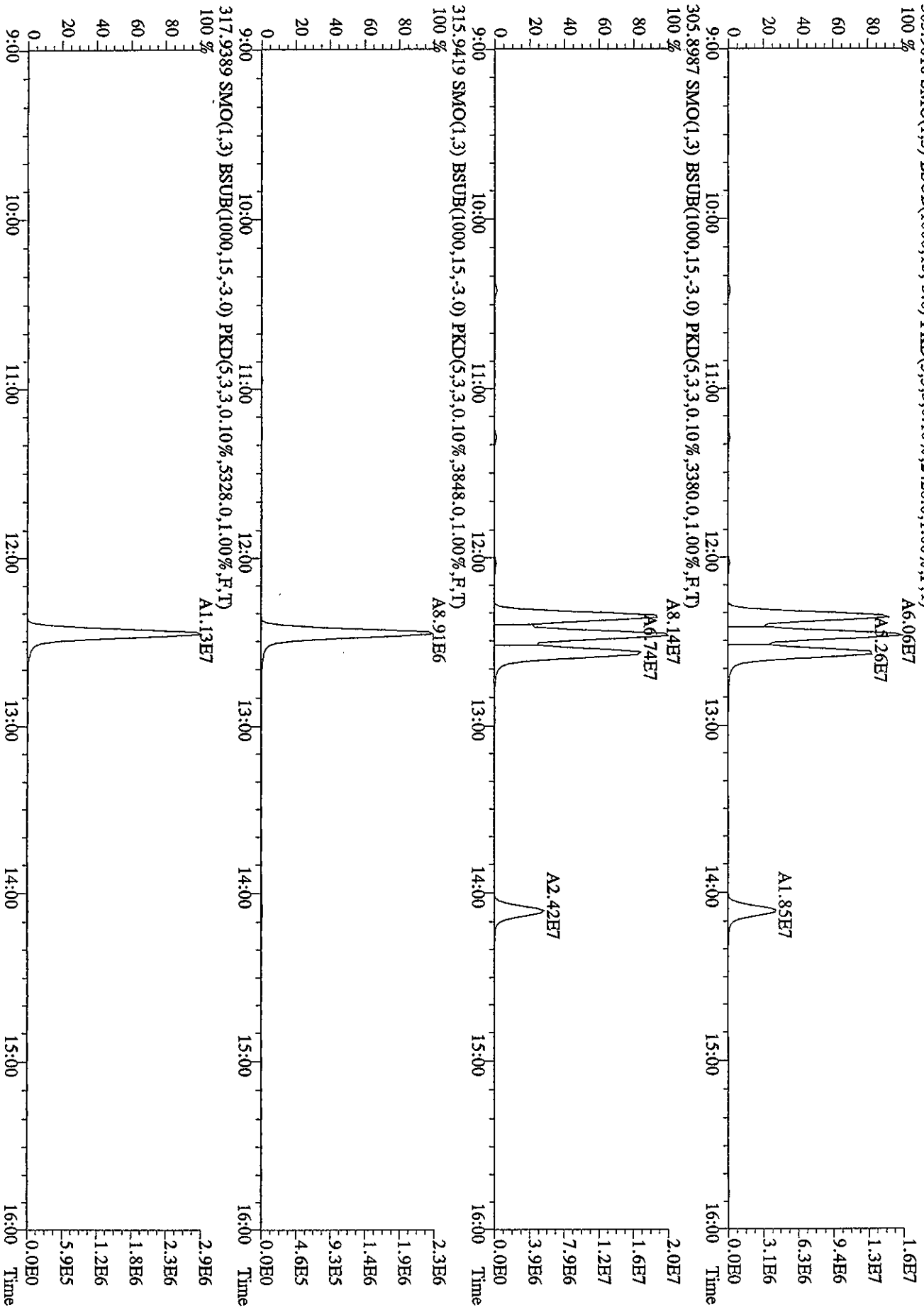
File:16SE057D2 #1-1168 Acq:16-SEP-2005 15:33:20 GC EI + Voltage SIR 70S
 Sample#13 Text:ST0916K :CS5 2565-41E Exp:DB225
 327.8840 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9392.0,1.00%,F,T)
 100% A4.46E8



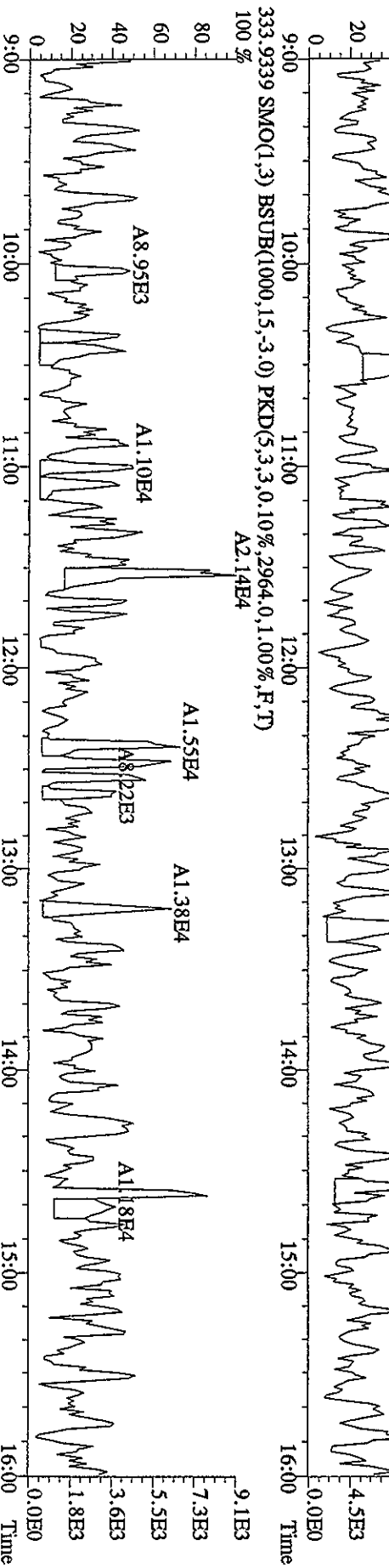
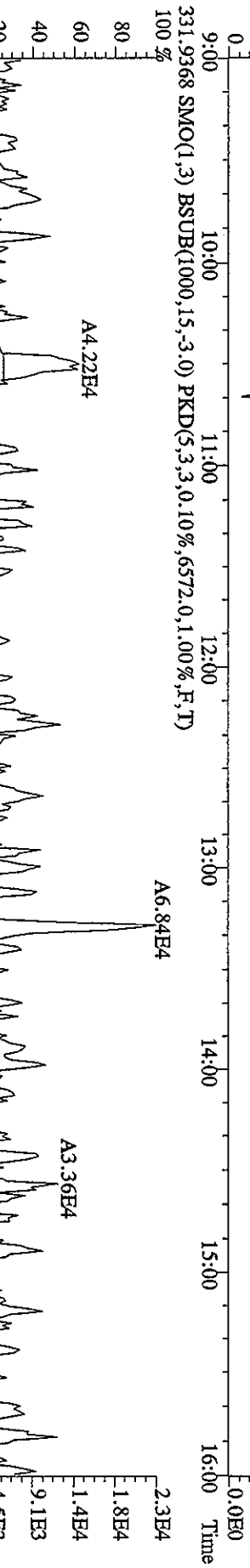
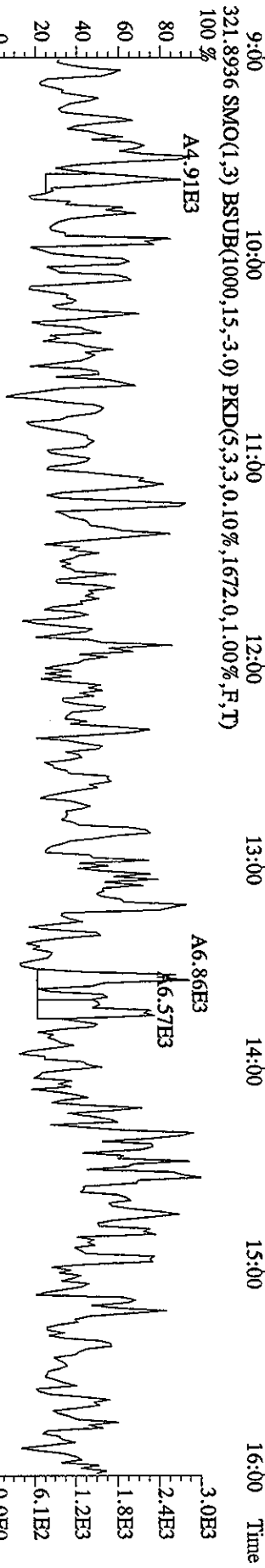
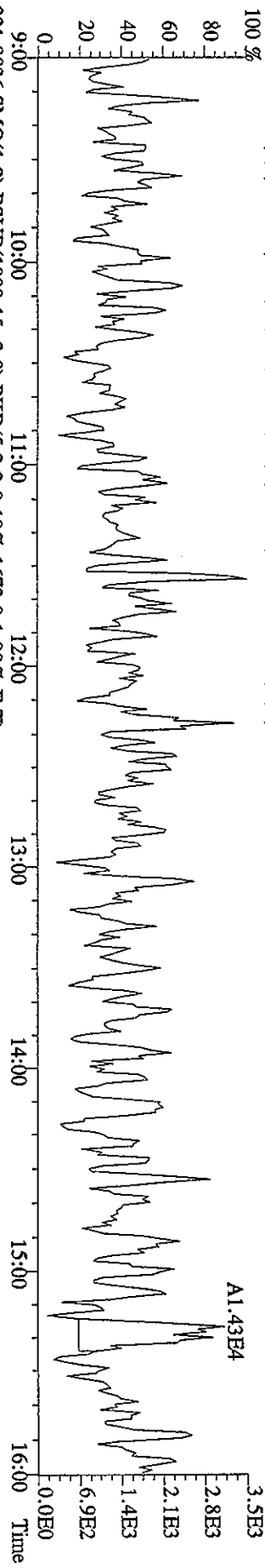
File:16SE057D2 #1-1168 Acq:16-SEP-2005 15:33:20 GC EI+ Voltage SIR 70S
 Sample#13 Text:ST0916K :CSS 2565-41E Exp:DB225
 375-8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3144.0,1.00%,F,T)



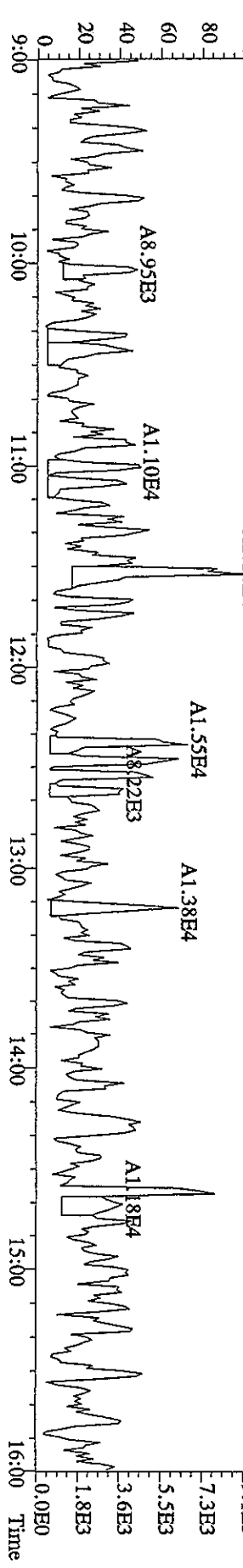
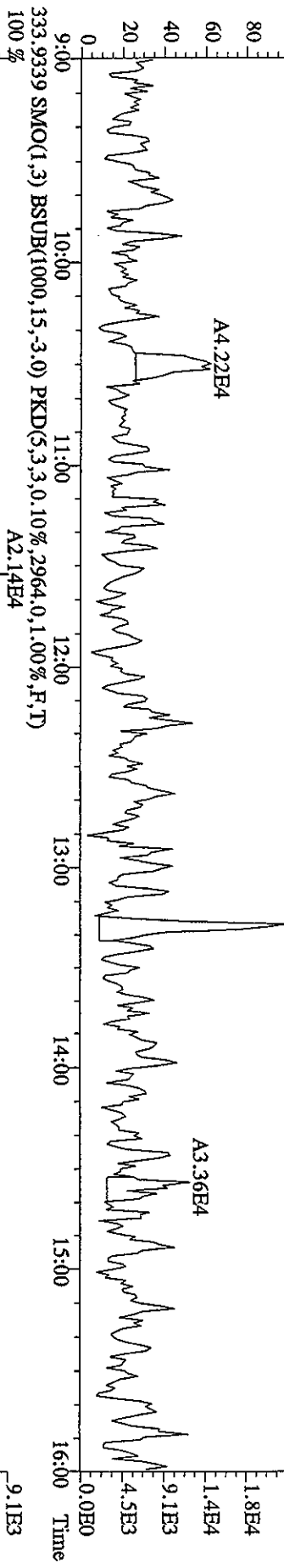
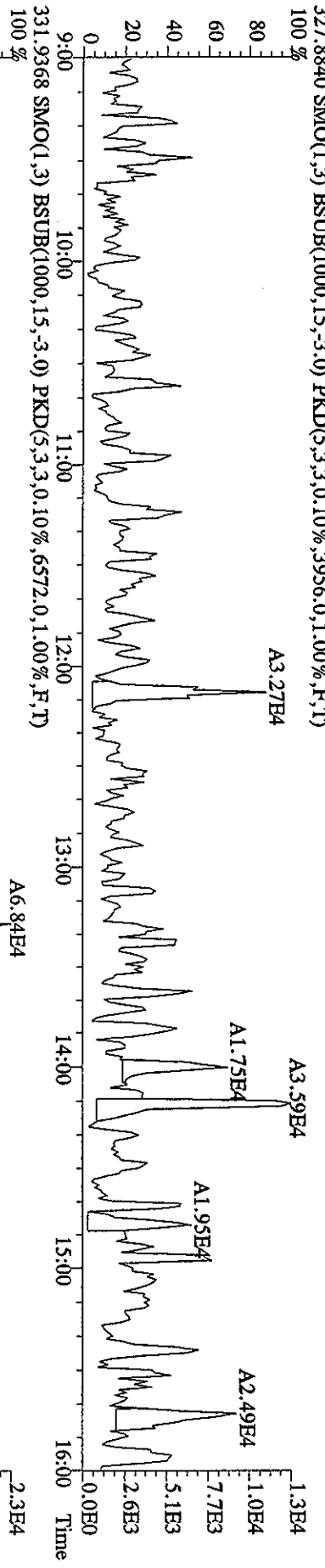
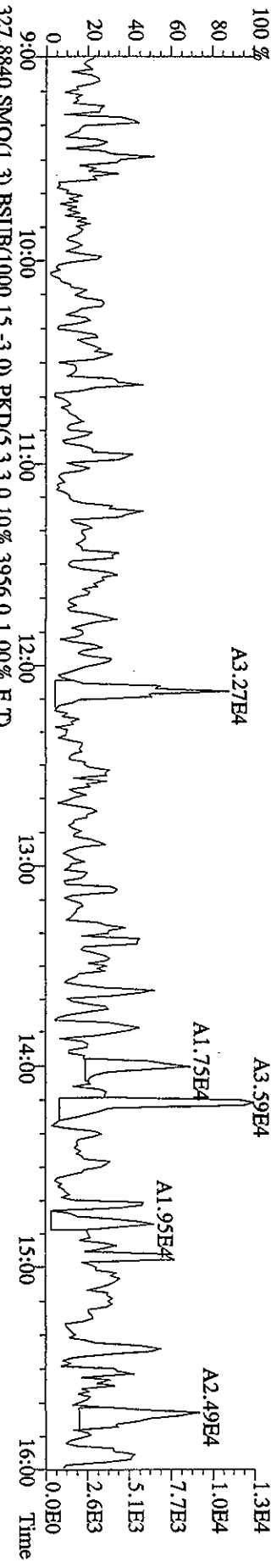
File:16SE057D2 #1-1168 Acq:16-SEP-2005 08:16:30 GC EI+ Voltage SIR 70S
 Sample#1 Text:CP0916 :DB-5 CPSM 2565-21 Exp:DB225
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2428,0,1,00%,F,T)
 100%



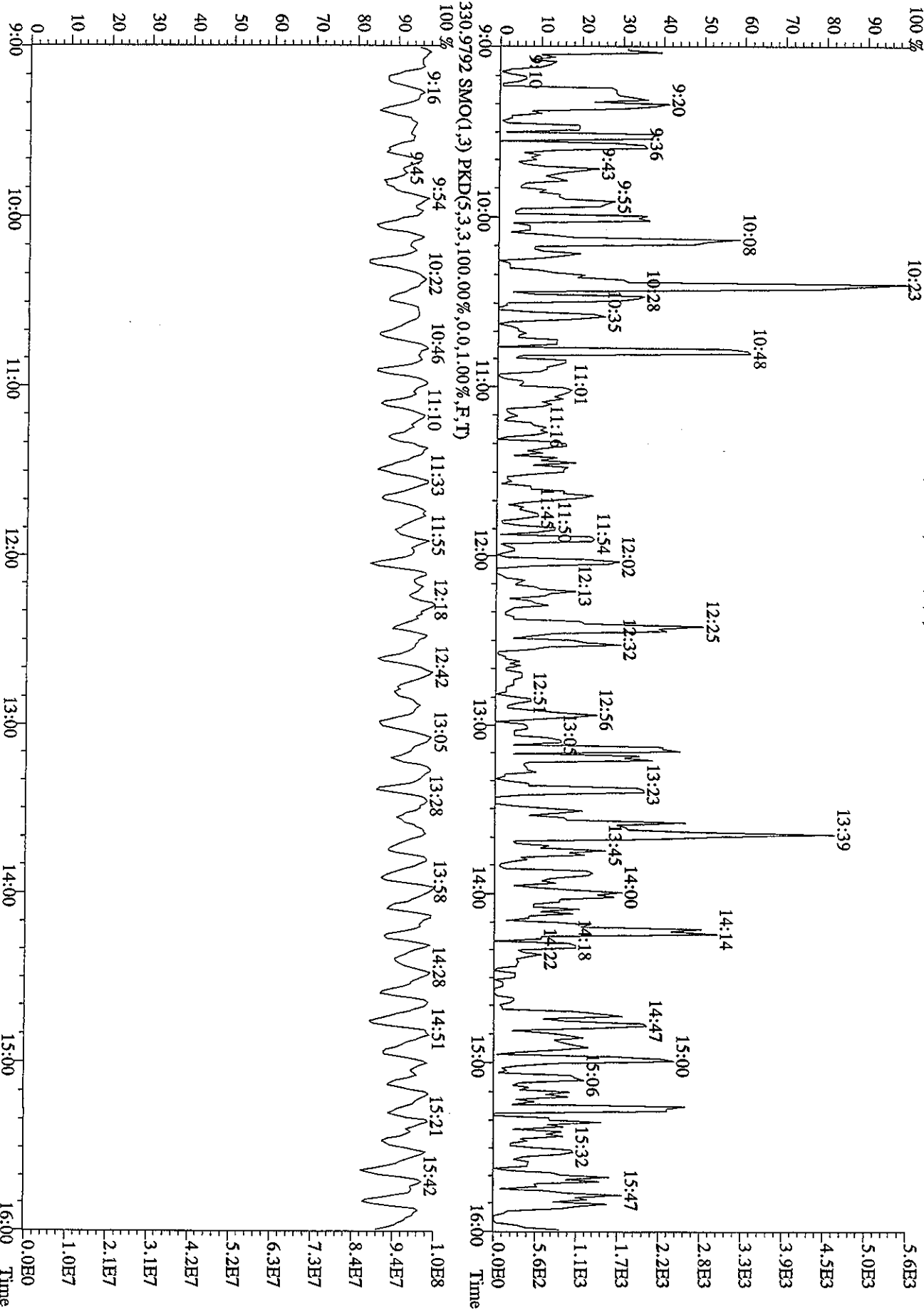
File:16SE057D2 #-1168 Acq:16-SEP-2005 08:16:30 GC HI+ Voltage SIR 70S
 Sample#1 Text:CP0916 :DB-5 CP5M 2565-21 Exp:DB225
 319.8965 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1768.0,1.00%,F,T)
 100 %



File: 16SE057D2 #1-1168 Acq: 16-SEP-2005 08:16:30 GC EI+ Voltage SIR 70S
 Sample#1 Text: CP0916 :DB-5 CP5M 2565-21 Exp: DB225
 327.8840 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3956,0,1,00%,F,T)



File:16SE057D2 #1-1168 Acq:16-SEP-2005 08:16:30 GC EI+ Voltage SIR 70S
Sample#1 Text:CP0916 :DB-5 CPSM 2565-21 Exp:DB225
375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1028,0,1.00%,F,T)



Sample Extraction/Preparation Log
Copies

DCS is only required when a client requests one or a MS/SD is requested and limited sample size is available.

G6C100424

Please Circle Extraction Type if used:
 Soxhlet / Soxhtherm / DI TCLP

IN

Ext. 1
 Extraction time on: 16.20
 Extraction time off: 18.20
 Ext. 2

Dioxins/Furans, HRGC/HRMS (8290)

Sample #	Suff	Sugg. Sample Size	Actual Sample Size	Soxhlet Extraction	Option C (Acid/Base)	IFB	D2	* Final Volume			
				Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date
MS			10.0	PR		T.L 3/16/06					
LCS			10.0	3-15-06							
DCS											
1		10.0g	10.0								
1	S	10.0g	10.0								
1	D	10.0g	10.0								
2		10.0g	10.0								
3		10.0g	10.0								

All Samples I.S. ID
 Added Vol./Conc.

1.0ml 2726-19

By: PR

Witness: BDH

Date: 3-15-06

LCS/DCS/MS/SD N.S. ID
 Added Vol./Conc.

50µl 2726-9

By: PR

Witness: BDH

Date: 3-15-06

All Samples CRS/Surr ID
 Added Vol./Conc.

1.0ml/ 2726-12

By: BDH

Witness: T.L

Date: MAR 16 2006

All Samples R.S. ID
 Added Vol./Conc.

20ul/2565-22

By: BDH

Witness: NOA

Date: MAR 16 2006

Comments (Including Dilution at FV information):

QC Lot ID: G6C100135 → copy of this lot's paperwork provided.

Batch: 6074253

Extraction Solvents Used: toluene

Solvent Lot #: _____

Associated Samples: _____

Batch: _____

Method: _____

*Note: Final Volume column is used when the analyst who performed the addition of the Recovery Standard is different than the individual who concentrated the sample to the final volume. Also, if the final volume is different than the volume of Recovery Standard added, please denote in this column as well.



**STL Sacramento
Data Checklist
High Resolution and Low Resolution Analyses**



Lot ID #: G6C100424 Method ID: Dioxins/Furans, HRGC/HRMS (8290)

Sample # 1, 1MS, 1SD - 3

(For Internal COC requests only)

Date Delivered to Inst.: _____ Delivered By: _____ Delivered To: _____

Data Analyst: JN
Date initiated: 3-22-06
Reviewer: JCW
Date reviewed: 03/27/06

Data Analyst: JN
Date initiated: 3-22-06
Reviewer: JCW
Date reviewed: 03/27/06

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?	/	/	/	/
-Method Blank present?	/	/	/	NA
-LCS/DCS copy present and meets native recovery criteria?	/	/	↓	NA
-Internal standard recoveries within limits?*	Ⓛ	/	/	/
-Ion ratios within +15% of theoretical values?	/	/	/	/
-Other QC (Dup,MS,SD) within specs?*	Ⓛ	/	/	/

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?	/	/	/	/
-All raw data present?	/	/	/	/
-Standard target(DL's) used? If RL's are used specify: _____	/	/	/	/
-DL's below (FDL) LCL (please circle)?	/	/	NA	NA
-All positives reported at levels greater than method blank DL's?	/	/	/	/
-Correct RRF's used for method?	/	/	/	/
-Internal standard amounts correct for method?	/	/	/	/
-Target analytes are not saturated?	/	/	/	/
-Dilution/splitting of extract taken into account?	NA	NA	NA	NA
-Have dilution calculations been verified?	↓	NA	NA	NA
-Has a manual calculation for the sequence(s) been verified?	/	/	/	/
-Are retention times (RT) correct?	/	/	/	/
-Manual integrations checked?	/	/	NA	NA

Comments: (Use other side if necessary)

① 07-54311; ② VCM 07-54312.

*** 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.)
CARB 428:	40-120%***
CARB 429:	50-150%***
PCBs:	25-150%***
DBD/DBF	20-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***

****RPD limits:**

50%
20%
50%
50%
50%
50%

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/27/06
Time: 10:43:38

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

 QC BATCH: 6074263

 Expanded Deliverable
 COC Completed
 Bench Sheet Copied
 Package Submitted to Analytical Group
 Bench Sheet Copied per COC

Extractionist: _____
 Concentrationist: _____
 Reviewer/Date: _____ / 0/00/00
 Dioxins/Furans, HRCG/HRMS (8290)
 SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRPN#/ TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT/VOL	INIT ADJ1	PH#S ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/06/06	3/24/06	G6C100424-001	H04HL-1-ADS	4W	IN SOLID	10.0g 20.00uL	NA	NA	TOLUENE	300.0	C-14	.0 1.0ML IS/2726-19
COMMENTS: G6C100424-001												
4/06/06	3/24/06	G6C100424-001	H04HL-1-ADS	4W	IN SOLID	10.0g 20.00uL	NA	NA	TOLUENE	300.0	C-14	.0 1.0ML IS/2726-19
COMMENTS: G6C100424-001												
4/06/06	3/24/06	G6C100424-002	H04HL-1-AC	4W	IN SOLID	10.0g 20.00uL	NA	NA	TOLUENE	300.0	C-14	.0 1.0ML IS/2726-19
COMMENTS: G6C100424-002												
4/06/06	3/24/06	G6C100424-003	H04HR-1-AC	4W	IN SOLID	10.0g 20.00uL	NA	NA	TOLUENE	300.0	C-14	.0 1.0ML IS/2726-19
COMMENTS: G6C100424-003												
4/06/06	0/00/00	G6C150000-263	H09V0-1-AAB	4W	IN SOLID	10.0g 20.00uL	NA	NA	TOLUENE	300.0	C-14	.0 1.0ML IS/2726-19
COMMENTS: G6C150000-263												
4/06/06	0/00/00	G6C150000-263	H09V0-1-ACC	4W	IN SOLID	10.0g 20.00uL	NA	NA	TOLUENE	300.0	C-14	.0 50UL NS/2726-9 1.0ML IS/2726-19
COMMENTS: G6C150000-263												

R = RUSH C = CLP
 E = EPA 600 D = EXP. DEL.)
 NUMBER OF WORK ORDERS IN BATCH: 7

**SEVERN
TRENT
SERVICES**

% Moisture/Solid Worksheet
 QCBATCH: 6083567
 Analyzed by: beldenl Report created: 3/27/06 12:33:18 PM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G6C100424-1	H04HL1AA	1.03	8.32	7.89	0.43	5.90	94.10			3/27/06 12:30:51 PM
G6C100424-2	H04HQ1AA	1.03	5.44	5.04	0.40	9.07	90.93			3/27/06 12:31:04 PM
G6C100424-3	H04HR1AA	1.04	8.76	7.89	0.87	11.27	88.73			3/27/06 12:31:19 PM
A6C230250-1	H1T191AC	1.04	11.53	8.79	2.74	26.12	73.88	0.1		3/27/06 12:31:30 PM
A6C230250-1	H1T191AD	1.01	12.88	9.73	3.15	26.54	73.46	0.1		3/27/06 12:31:40 PM
G6C230313-1	H1VM21A2	1.02	12.88	1.07	11.81	99.58	0.42	0.1		3/27/06 12:31:51 PM
G6C240137-1	H1WW61AC	1.02	8.63	4.93	3.70	48.62	51.38	0.1		3/27/06 12:32:05 PM
G6C240137-2	H1WW81AC	1.03	7.33	5.10	2.23	35.40	64.60	0.1		3/27/06 12:32:16 PM
G6C240137-3	H1WW91AC	1.04	7.36	5.75	1.61	25.47	74.53	0.1		3/27/06 12:32:28 PM
G6C240137-4	H1WXC1AC	1.04	12.39	9.03	3.36	29.60	70.40	0.1		3/27/06 12:32:38 PM
G6C240216-1	H1XNX1AC	1.03	7.87	6.42	1.45	21.20	78.80	0.1		3/27/06 12:32:49 PM
G6C240393-1	H10391A3	1.04	6.43	1.72	4.71	87.38	12.62	0.1		3/27/06 12:33:00 PM

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

Appendix

Includes (as applicable):

retention time windows

MDL summaries

calculation explanation sheets

standard raw data

statistical summary

SEVERN
TRENT

STL

5A Calibration Curve

STL SACRAMENTO
HIGH RESOLUTION DIOXIN STANDARDS PREPARATION LOG

2565-411

Standard Name W18200123/SS1 CS1 -> CS5 Date Prepared/Prepared By K 9-9-05

	2565-41A	2565-41B	2565-41C	2565-41D	2565-41E
13C-I.S. Amt (uL)	250	250	2000	100	100
ID#	2565-37	2565-37	2565-37	2565-37	2565-37
F.C. (pg/uL)	100	100	100	100	100
	(100-200)	(100-200)	(100-200)	(100-200)	(100-200)
13C-Surrogate Amt (uL)	125	125	1000	50	50
ID#	1834-57	1834-57	1834-57	1834-57	1834-57
F.C. (pg/uL)	100	100	100	100	100
37C-2378 TCDD Amt (uL)	312.5	1250	100	20	100
ID#	2565-40	2565-40	2565-38	2565-38	2565-38
F.C. (pg/uL)	0.5	2	10	40	200
Natives Amt (uL)	62.5	250	100	20	100
ID#	2565-39	2565-39	1613PAR	1613PAR	1613PAR
F.C. (pg/uL)	0.5	2	10	40	200
	(0.5-5.0)	(2.0-20)	(10-100)	(40-400)	(200-2000)
13C-R.S. Amt (uL)	500	500	4000	200	200
ID#	2565-62	2565-62	2565-62	2565-62	2565-62
F.C. (pg/uL)	100	100	100	100	100
Standard Lot #	10520D0	10520D0	10520D0	10520D0	10520D0
F.V. (uL)	500	500	4000	200	200

ID	Stand. Type	Concentration (pg/uL)
2565-37	Stock Dioxin/Furan IS	200 to 400
1834-57	Stock Dioxin/Furan Surrogate	400
2565-40	37C-2378 TCDD Daily Soln.	0.8
2565-38	37C-2378 TCDD Stock Soln.	400
2565-39	Daily Dioxin/Furan PAR Soln	4 to 40
1613PAR	1613PAR	400 to 4000
2565-62	Dioxin/Furan RS	100

1613PAR Stock Solution from CIL - Lot # ER012004-02

Solvent Used: Hexane/Decanol Solvent Lot # 10520 D0
Final Volume: Stock Expiration Date: 9-9-05

Approved by Date:

