

**STL Sacramento**  
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West Sacramento, CA 95605

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May 30, 2006

**STL SACRAMENTO PROJECT NUMBER: G6E120362**  
PO/CONTRACT: 99-23182

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

Dear Ms. Lee,

This report contains the analytical results for the sample received under chain of custody by STL Sacramento on May 12, 2006. This sample is associated with your 173951 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 G6E120362**

There were no 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

G6E120362

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT</u>	<u>SAMPLE ID</u>	<u>SAMPLED</u>	<u>SAMP</u>
				<u>DATE</u>	<u>TIME</u>
H5A49	001	M-120		05/03/06	10:04

**NOTE(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

MWH Project # Report Due: Sub PO#  
 173951 05/26/06 99-23182

**Use MWH  
 Lab # for ID**

RBC

Client Sample ID for reference only

@CONGEN

2605110248 M-120

TCDDs+PCDFs +TEOs by 1613B-WW full

05/03/06 10:04

grnd 2 1L amber glass / no preservative 1613B-WW full congener

Container

**PLEASE RUN THE SAMPLE BY METHOD D1613  
 FOR FULL CONGENER LIST**

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

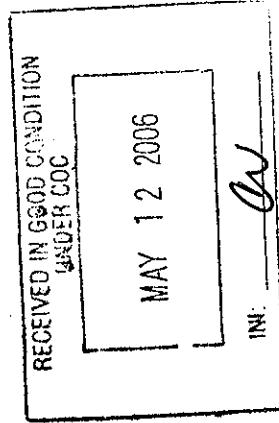
Nevada ww

Date 05/11/06

Submittal Form & Purchase Order 99-23182

\*REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers!  
 Report & Invoice must have the MWH Project Number 173951 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



*[Signature]*  
 MARTIN DE MESA  
 Cheng Yue

Relinquished by: MARTIN DE MESA Date 05/11/06 Time 15:44 MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS

Received by: Cheng Yue Date 5/12/06 Time 11:25 An Acknowledgement of Receipt is requested to attn: Julie Lee



# STL

## LOT RECEIPT CHECKLIST STL Sacramento

CLIENT MWH PM PH LOG # 38812

LOT# (QUANTIMS ID) G6E120362 QUOTE# 69473 LOCATION W17B

DATE RECEIVED 5/12/06 TIME RECEIVED 0905

Initials QV Date 5/12/06

- 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) NA

TEMPERATURE BLANK Observed: NA Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE

Observed: 3 3 Average: 3 Corrected Average: 3

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

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

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

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

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

Notes: \_\_\_\_\_

Lot ID: G6E120362

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

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

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

# WATER, 8290, Dioxins/Furans

**MWH Laboratories**  
**Dioxins/Furans, HRGC/HRMS (8290)**

**Client Sample ID: M-120**

Lot-Sample #...: G6E120362 - 001  
 Date Sampled...: 05/03/06  
 Prep Date.....: 05/23/06  
 Prep Batch #...: 6143628

Work Order #...: H5A491AA  
 Date Received...: 05/12/06  
 Analysis Date...: 05/26/06  
 Dilution Factor: 1

Matrix.....: WATER  
 Instrument: 9D5  
 Units.....: pg/L  
 % Moisture:

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	2.6	1.000	0
Total TCDD	ND	2.6		0
1,2,3,7,8-PeCDD	ND	5.7	0.500	0
Total PeCDD	ND	5.7		0
1,2,3,4,7,8-HxCDD	ND	5.6	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.0	0.100	0
1,2,3,7,8,9-HxCDD	ND	4.9	0.100	0
Total HxCDD	ND	5.6		0
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>27</b>	<b>J</b>	<b>0.010</b>	<b>0.2700</b>
<b>Total HpCDD</b>	<b>27</b>			
<b>OCDD</b>	<b>110</b>		<b>0.001</b>	<b>0.1100</b>
2,3,7,8-TCDF	ND	3.9	0.100	0
Total TCDF	ND	3.9		0
1,2,3,7,8-PeCDF	ND	3.4	0.050	0
2,3,4,7,8-PeCDF	ND	3.3	0.500	0
Total PeCDF	ND	4.3		0
1,2,3,4,7,8-HxCDF	ND	7.4	0.100	0
1,2,3,6,7,8-HxCDF	ND	6.8	0.100	0
2,3,4,6,7,8-HxCDF	ND	7.6	0.100	0
1,2,3,7,8,9-HxCDF	ND	8.3	0.100	0
Total HxCDF	ND	8.3		0
1,2,3,4,6,7,8-HpCDF	ND	14	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	2.4	0.010	0
Total HpCDF	ND	14		0
OCDF	ND	16	0.001	0
<b>Total TEQ Concentration</b>				<b>0.3800</b>

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	90	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 135
13C-OCDD	101	40 - 135
13C-2,3,7,8-TCDF	74	40 - 135
13C-1,2,3,7,8-PeCDF	85	40 - 135
13C-1,2,3,4,7,8-HxCDF	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	78	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/675/3-R/016

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

# QC DATA ASSOCIATION SUMMARY

G6E120362

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	WW	SW846 8290		6143628	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G6E120362      Work Order #...: H6EM11AA      Matrix.....: WATER  
 MB Lot-Sample #: G6E230000-628  
 Prep Date.....: 05/23/06  
 Analysis Date...: 05/26/06      Prep Batch #...: 6143628  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	2.4	pg/L	SW846 8290
Total TCDD	ND	2.4	pg/L	SW846 8290
1,2,3,7,8-PeCDD	ND	4.6	pg/L	SW846 8290
Total PeCDD	ND	4.6	pg/L	SW846 8290
1,2,3,4,7,8-HxCDD	ND	4.7	pg/L	SW846 8290
1,2,3,6,7,8-HxCDD	ND	4.2	pg/L	SW846 8290
1,2,3,7,8,9-HxCDD	ND	4.1	pg/L	SW846 8290
Total HxCDD	ND	4.7	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	16	pg/L	SW846 8290
Total HpCDD	ND	16	pg/L	SW846 8290
OCDD	ND	37	pg/L	SW846 8290
2,3,7,8-TCDF	ND	3.3	pg/L	SW846 8290
Total TCDF	ND	3.3	pg/L	SW846 8290
1,2,3,7,8-PeCDF	ND	2.8	pg/L	SW846 8290
2,3,4,7,8-PeCDF	ND	2.7	pg/L	SW846 8290
Total PeCDF	ND	3.9	pg/L	SW846 8290
1,2,3,4,7,8-HxCDF	ND	5.8	pg/L	SW846 8290
1,2,3,6,7,8-HxCDF	ND	5.3	pg/L	SW846 8290
2,3,4,6,7,8-HxCDF	ND	5.9	pg/L	SW846 8290
1,2,3,7,8,9-HxCDF	ND	6.4	pg/L	SW846 8290
Total HxCDF	ND	6.4	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	15	pg/L	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	2.6	pg/L	SW846 8290
Total HpCDF	ND	15	pg/L	SW846 8290
OCDF	ND	13	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	92	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	104	(40 - 135)
13C-2,3,7,8-TCDF	79	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	80	(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 #...: G6E120362      Work Order #...: H6EM11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: G6E230000-628      H6EM11AD-LCSD  
 Prep Date.....: 05/23/06      Analysis Date...: 05/26/06  
 Prep Batch #...: 6143628  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
2,3,7,8-TCDD	106	(72 - 126)	3.8	(0-20)	SW846 8290
	102	(72 - 126)			SW846 8290
1,2,3,7,8-PeCDD	111	(71 - 132)	0.74	(0-20)	SW846 8290
	112	(71 - 132)			SW846 8290
1,2,3,4,7,8-HxCDD	116	(69 - 133)	1.8	(0-20)	SW846 8290
	114	(69 - 133)			SW846 8290
1,2,3,6,7,8-HxCDD	113	(74 - 131)	5.3	(0-20)	SW846 8290
	108	(74 - 131)			SW846 8290
1,2,3,7,8,9-HxCDD	114	(68 - 148)	2.3	(0-33)	SW846 8290
	111	(68 - 148)			SW846 8290
1,2,3,4,6,7,8-HpCDD	114	(78 - 125)	2.3	(0-20)	SW846 8290
	111	(78 - 125)			SW846 8290
OCDD	118	(74 - 131)	2.9	(0-20)	SW846 8290
	115	(74 - 131)			SW846 8290
2,3,7,8-TCDF	99	(69 - 133)	5.4	(0-23)	SW846 8290
	93	(69 - 133)			SW846 8290
1,2,3,7,8-PeCDF	109	(76 - 129)	1.7	(0-20)	SW846 8290
	107	(76 - 129)			SW846 8290
2,3,4,7,8-PeCDF	108	(69 - 127)	1.8	(0-32)	SW846 8290
	106	(69 - 127)			SW846 8290
1,2,3,4,7,8-HxCDF	116	(71 - 134)	0.19	(0-24)	SW846 8290
	116	(71 - 134)			SW846 8290
1,2,3,6,7,8-HxCDF	112	(65 - 145)	1.6	(0-32)	SW846 8290
	114	(65 - 145)			SW846 8290
2,3,4,6,7,8-HxCDF	122	(64 - 167)	0.21	(0-49)	SW846 8290
	122	(64 - 167)			SW846 8290
1,2,3,7,8,9-HxCDF	122	(62 - 161)	4.1	(0-54)	SW846 8290
	117	(62 - 161)			SW846 8290
1,2,3,4,6,7,8-HpCDF	108	(75 - 129)	0.98	(0-20)	SW846 8290
	107	(75 - 129)			SW846 8290
1,2,3,4,7,8,9-HpCDF	116	(70 - 140)	2.3	(0-21)	SW846 8290
	114	(70 - 140)			SW846 8290
OCDF	108	(70 - 136)	3.6	(0-23)	SW846 8290
	104	(70 - 136)			SW846 8290

(Continued on next page)



LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G6E120362      Work Order #...: H6EM11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: G6E230000-628      H6EM11AD-LCSD  
 Prep Date.....: 05/23/06      Analysis Date...: 05/26/06  
 Prep Batch #...: 6143628  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,3,7,8-TCDD	200	212	pg/L	106		SW846 8290
	200	204	pg/L	102	3.8	SW846 8290
1,2,3,7,8-PeCDD	1000	1110	pg/L	111		SW846 8290
	1000	1120	pg/L	112	0.74	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1160	pg/L	116		SW846 8290
	1000	1140	pg/L	114	1.8	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1130	pg/L	113		SW846 8290
	1000	1080	pg/L	108	5.3	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1140	pg/L	114		SW846 8290
	1000	1110	pg/L	111	2.3	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	1140	pg/L	114		SW846 8290
	1000	1110	pg/L	111	2.3	SW846 8290
OCDD	2000	2360	pg/L	118		SW846 8290
	2000	2290	pg/L	115	2.9	SW846 8290
2,3,7,8-TCDF	200	197	pg/L	99		SW846 8290
	200	187	pg/L	93	5.4	SW846 8290
1,2,3,7,8-PeCDF	1000	1090	pg/L	109		SW846 8290
	1000	1070	pg/L	107	1.7	SW846 8290
2,3,4,7,8-PeCDF	1000	1080	pg/L	108		SW846 8290
	1000	1060	pg/L	106	1.8	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1160	pg/L	116		SW846 8290
	1000	1160	pg/L	116	0.19	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1120	pg/L	112		SW846 8290
	1000	1140	pg/L	114	1.6	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1220	pg/L	122		SW846 8290
	1000	1220	pg/L	122	0.21	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1220	pg/L	122		SW846 8290
	1000	1170	pg/L	117	4.1	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1080	pg/L	108		SW846 8290
	1000	1070	pg/L	107	0.98	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1160	pg/L	116		SW846 8290
	1000	1140	pg/L	114	2.3	SW846 8290
OCDF	2000	2150	pg/L	108		SW846 8290
	2000	2080	pg/L	104	3.6	SW846 8290

(Continued on next page)



# WATER, 8290, Dioxins/Furans

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Quantitation Summary

STL

*=#GEM1-1-AA*

Run text: H5169-1-AA Sample text: H5169-1-AA :G6E230000-628B  
 Run #23 Filename: 25MY06A9D5 S: 24 I: 1 Results: 25MY06A9D58290  
 Acquired: 26-MAY-06 13:13:52 Processed: 26-MAY-06 15:37:34  
 Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.000000L

*2*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	55053200	0.75 y	16:31	-	104.61	-	-	n
13C-2,3,7,8-TCDF	73140000	0.77 y	16:01	1.69	1575.90	3.21	78.8	n
2,3,7,8-TCDF	*	* n	NotFnd	1.04	*	3.27	-	n
Total TCDF	*	* n	NotFnd	1.04	*	3.27	-	n
13C-2,3,7,8-TCDD	45528300	0.75 y	16:41	0.90	1831.17	8.26	91.6	n
2,3,7,8-TCDD	*	* n	NotFnd	1.23	*	2.40	-	n
Total TCDD	39710	2.94 n	16:01	1.23	<u>1.42</u>	2.40	-	n
37Cl-2,3,7,8-TCDD	41532400	1.00 y	16:42	2.21	682.48	2.56	85.3	n
13C-1,2,3,7,8-PeCDF	61870400	1.49 y	20:40	1.25	1795.34	5.29	89.8	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.91	*	2.84	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.95	*	2.70	-	n
Total F2 PeCDF	*	* n	NotFnd	0.93	*	<u>2.77</u>	-	n
Total F1 PeCDF	48864	2.41 n	16:31	0.93	<u>1.70</u>	3.91	-	n
13C-1,2,3,7,8-PeCDD	33626600	1.52 y	22:34	0.66	1847.81	3.87	92.4	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.16	*	4.65	-	n
Total PeCDD	33913	3.27 n	20:41	1.16	<u>1.74</u>	4.65	-	n
13C-1,2,3,7,8,9-HxCDD	38951500	1.28 y	31:02	-	121.66	-	-	n
13C-1,2,3,4,7,8-HxCDF	42876500	0.52 y	28:28	1.41	1564.71	6.61	78.2	n
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.04	*	5.75	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.13	*	5.27	-	n
2,3,4,6,7,8-HxCDF	49523	0.84 n	30:12	1.01	<u>2.29</u>	5.93	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.93	*	6.41	-	n
Total HxCDF	49523	0.84 n	30:12	1.03	<u>2.29</u>	<u>5.81</u> <i>6.41</i>	-	n
13C-1,2,3,6,7,8-HxCDD	34462700	1.33 y	30:37	0.99	1780.47	8.30	89.0	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.94	*	4.69	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.05	*	4.17	-	n
1,2,3,7,8,9-HxCDD	34425	0.96 n	31:00	1.07	<u>1.87</u>	4.12	-	n
Total HxCDD	34425	0.96 n	31:00	1.02	<u>1.87</u>	<u>4.31</u> <i>4.69</i>	-	n
13C-1,2,3,4,6,7,8-HpCDF	36955300	0.46 y	32:54	1.18	1608.16	8.16	80.4	n
1,2,3,4,6,7,8-HpCDF	356694	1.05 y	32:54	1.27	15.15 <i>pc</i>	1.86	-	n
1,2,3,4,7,8,9-HpCDF	53152	0.77 n	33:55	1.10	2.62 <i>pc</i>	2.16	-	n
Total HpCDF	583052	1.05 y	32:54	1.19	<u>25.66</u>	<u>2.00</u> <i>15.5</i>	-	n
13C-1,2,3,4,6,7,8-HpCDD	38354200	1.10 y	33:39	1.07	1846.69	7.06	92.3	n
1,2,3,4,6,7,8-HpCDD	289534	1.10 y	33:40	0.95	15.87 <i>u</i>	<u>1.83</u>	-	n
Total HpCDD	517099	1.76 n	32:54	0.95	<u>28.34</u>	<u>1.82</u> <i>15.87</i>	-	n
13C-OCDD	64656000	0.90 y	35:49	0.80	4170.75	7.40	104.3	n

OCDF	291046	1.00	y	35:55	1.36	13.26		3.20	-	n
OCDD	632776	0.96	y	35:50	1.05	37.43	DL	5.65	-	n

Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:0
Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9

Amount: \* of which \* named and \* unnamed
Conc: \* of which \* named and \* unnamed

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, NotF, \*, n, \*, \*, \*, n, n.

Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:1
Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9

Amount: 1.42 of which \* named and 1.42 unnamed
Conc: 1.42 of which \* named and 1.42 unnamed

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, 16:01, 2.94, n, 1.42, 65899, 5.7, y, n.

Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:0
Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9

Amount: \* of which \* named and \* unnamed
Conc: \* of which \* named and \* unnamed

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, NotF, \*, n, \*, \*, \*, n, n.

Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:1  
 Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9

Amount: 1.70 of which \* named and 1.70 unnamed  
 Conc: 1.70 of which \* named and 1.70 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	16:31	2.41 n	1.70	46235	3.9	y	n
					19162	1.4	n	n

Totals Results STL Sacramento

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Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:2  
 Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9

Amount: 1.74 of which \* named and 1.74 unnamed  
 Conc: 1.74 of which \* named and 1.74 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	20:41	3.27 n	1.30	32472	1.8	n	n
					9937	2.0	n	n
	2	22:28	0.43 n	0.44	5211	0.8	n	n
					12090	2.3	n	n

Totals Results STL Sacramento

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Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:1  
 Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9

Amount: 2.29 of which 2.29 named and \* unnamed  
 Conc: 2.29 of which 2.29 named and \* unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
2,3,4,6,7,8-HxCDF	1	30:12	0.84 n	2.29	27414	2.6	n	n
					32639	3.0	n	n

Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:1  
 Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: 1.87 of which 1.87 named and \* unnamed  
 Conc: 1.87 of which 1.87 named and \* unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,7,8,9-HxCDD	1	31:00	0.96	n	1.87	19057	1.9	n n
						19955	1.7	n n

Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4  
 Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: 25.66 of which 17.76 named and 7.90 unnamed  
 Conc: 25.66 of which 17.76 named and 7.90 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:54	1.05	y	15.15	182834	20.3	y n
						173860	32.3	y n
						48142	5.1	y n
	2	33:05	1.38	n	3.24	34770	5.4	y n
						60728	5.6	y n
	3	33:12	1.21	n	4.66	50136	9.3	y n
						27097	2.8	n n
1,2,3,4,7,8,9-HpCDF	4	33:55	0.77	n	2.62	35312	5.9	y n

Run Text: H5169-1-AA

Sample text: H5169-1-AA :G6E230000-628B

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4  
 Run: 23 File: 25MY06A9D5 S:24 Acq:26-MAY-06 13:13:52  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: 28.34 of which 15.87 named and 12.47 unnamed  
 Conc: 28.34 of which 15.87 named and 12.47 unnamed

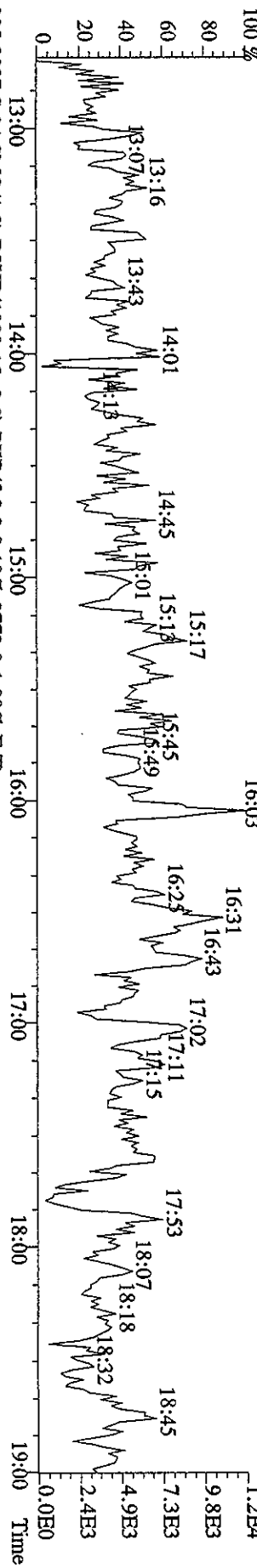
Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	32:54	1.76	n	1.81	28574	5.2	y n

						16195	1.8	n	n
	2	33:09	0.96	y	9.64	85977	16.2	y	n
						89849	16.7	y	n
1,2,3,4,6,7,8-HpCDD	3	33:40	1.10	y	15.87	151452	26.3	y	n
						138082	24.1	y	n
	4	33:54	3.69	n	1.02	33814	6.9	y	n
						9168	1.8	n	n

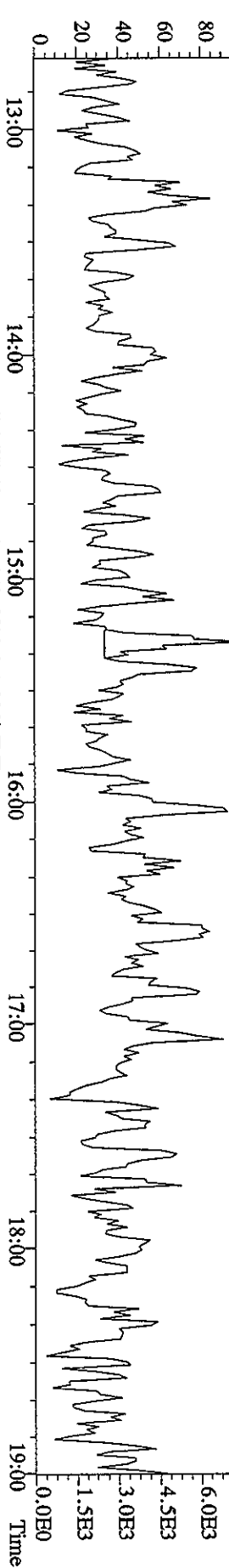
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Sample#24 Tex:H5169-1-AA :G6E230000-628B Exp:DIOXIN

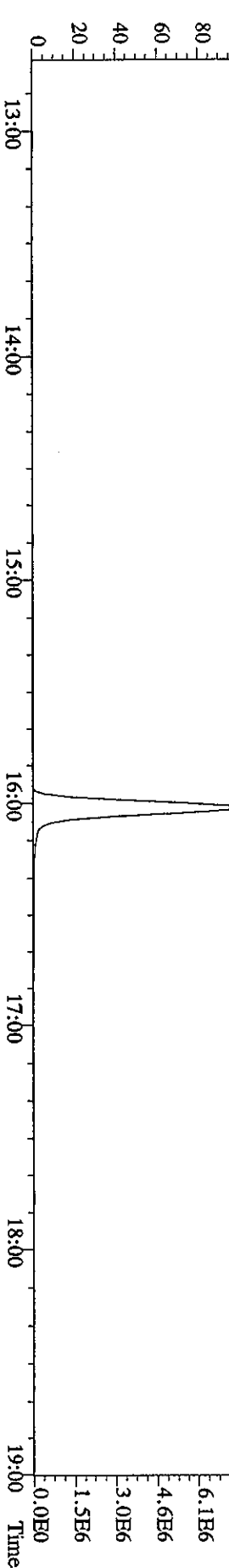
303.9016 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6212.0,1.00%,F,T)



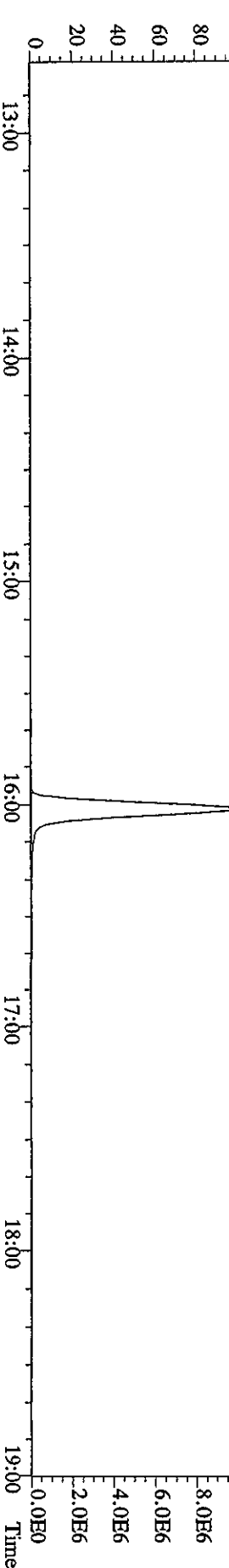
305.8987 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



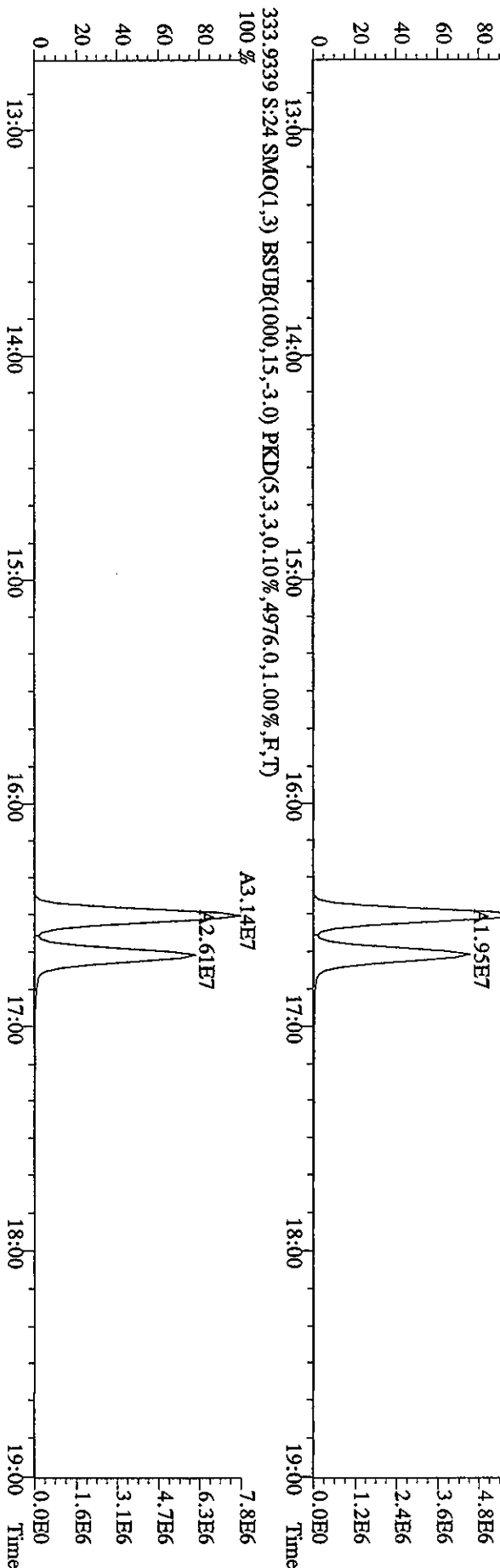
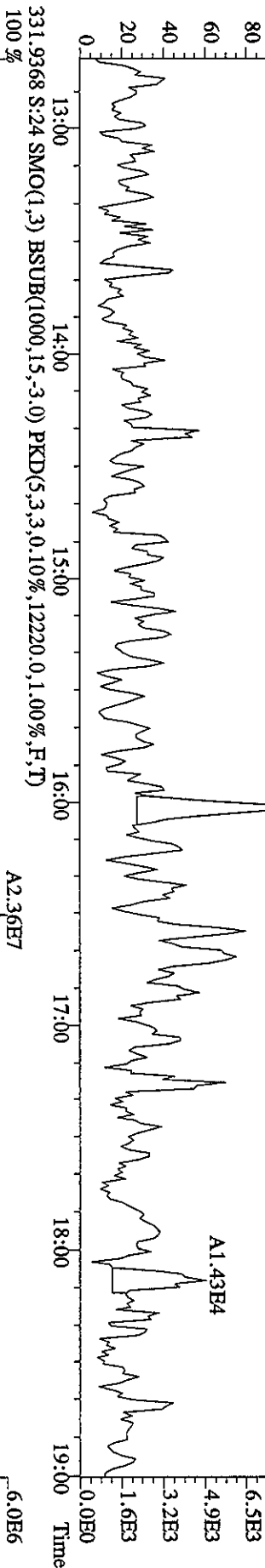
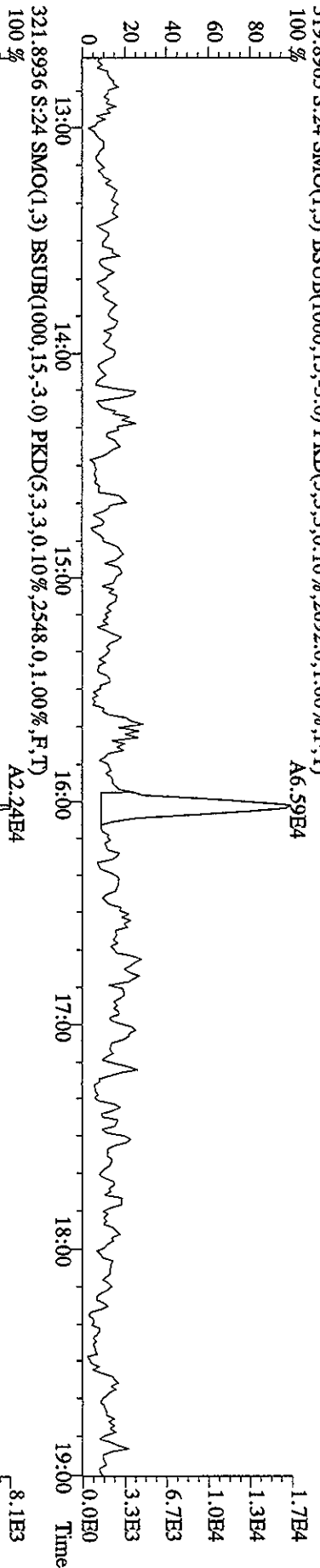
315.9419 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6520.0,1.00%,F,T)



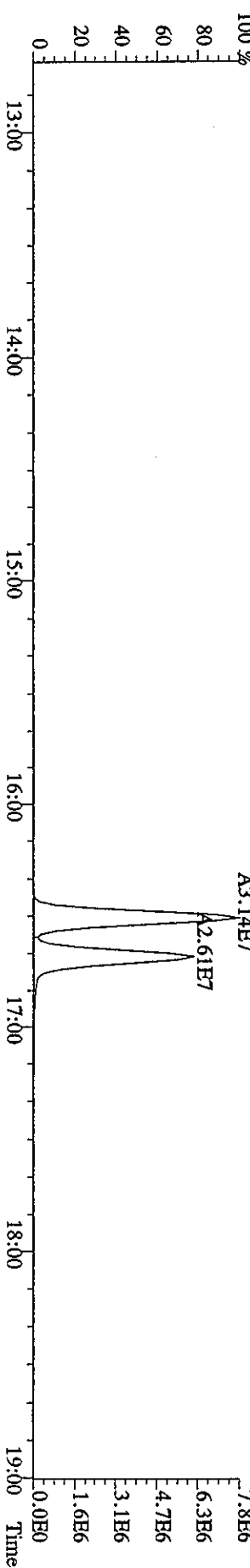
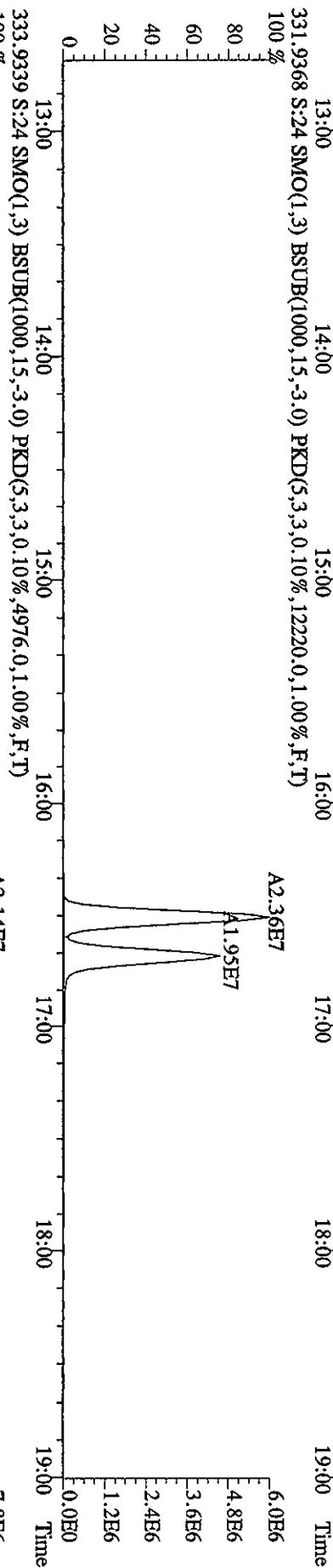
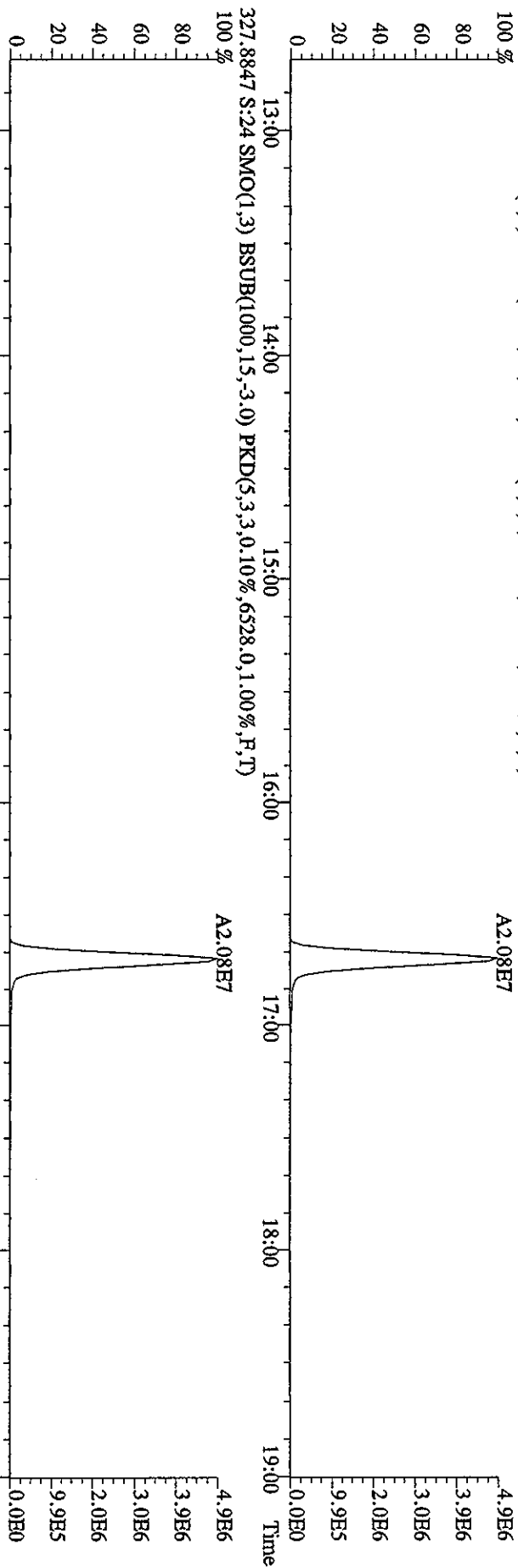
317.9389 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5952.0,1.00%,F,T)



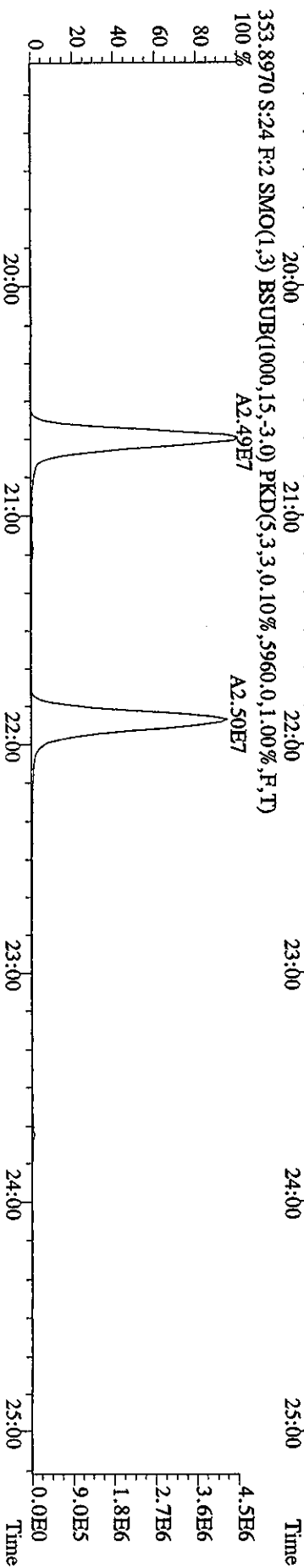
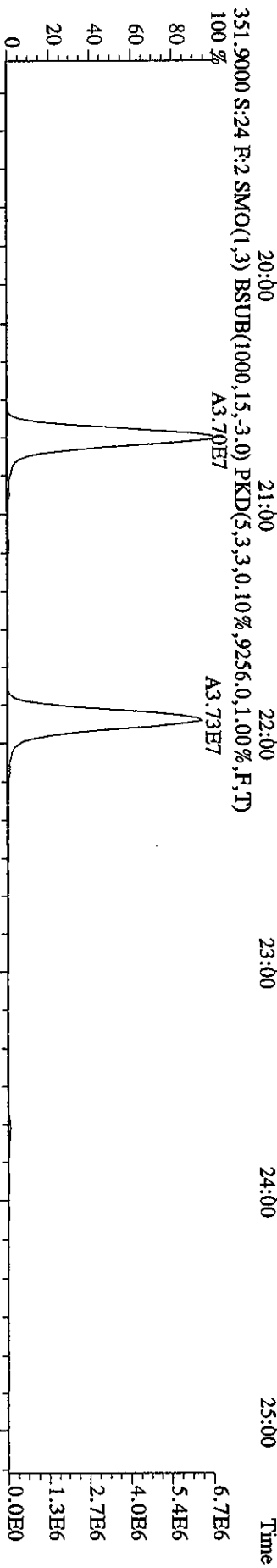
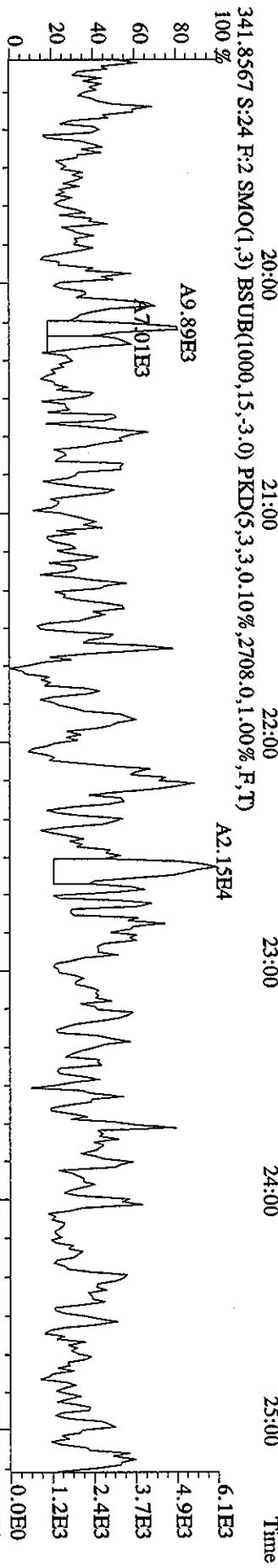
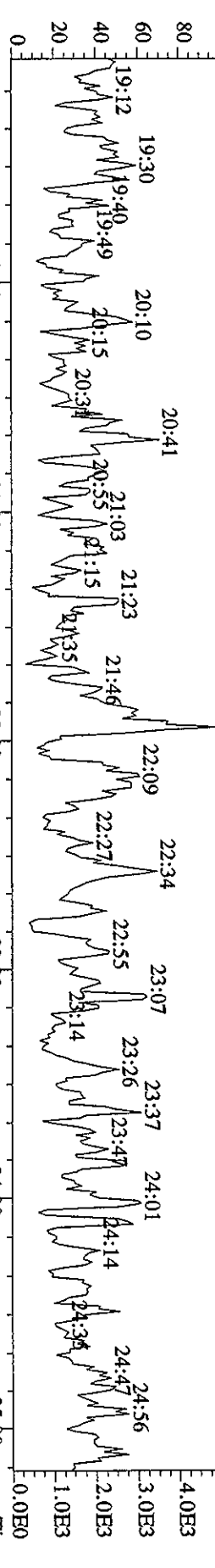
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 319.8965 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2692.0,1.00%,F,T)



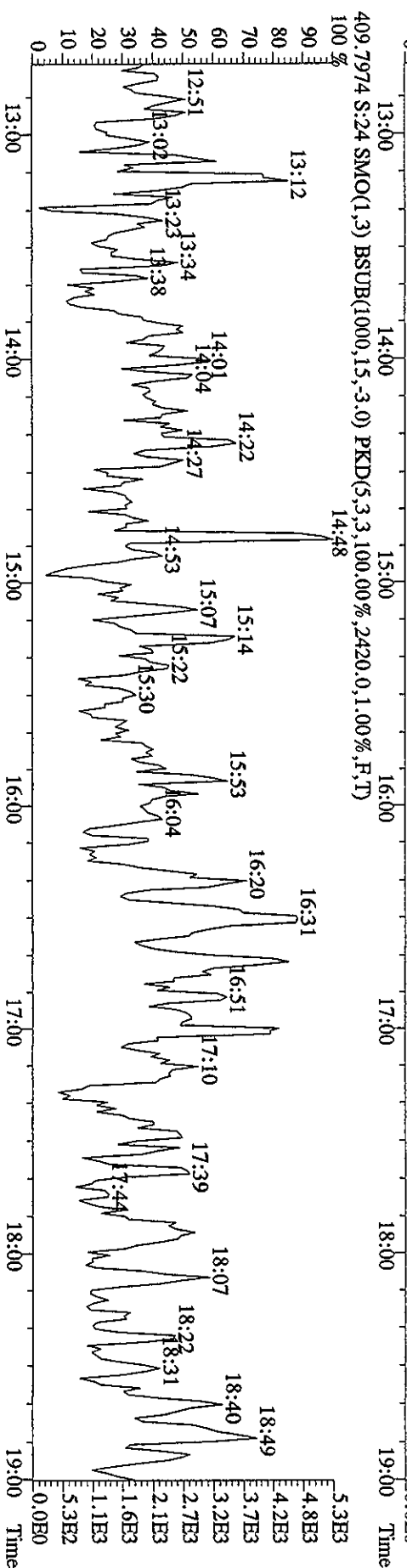
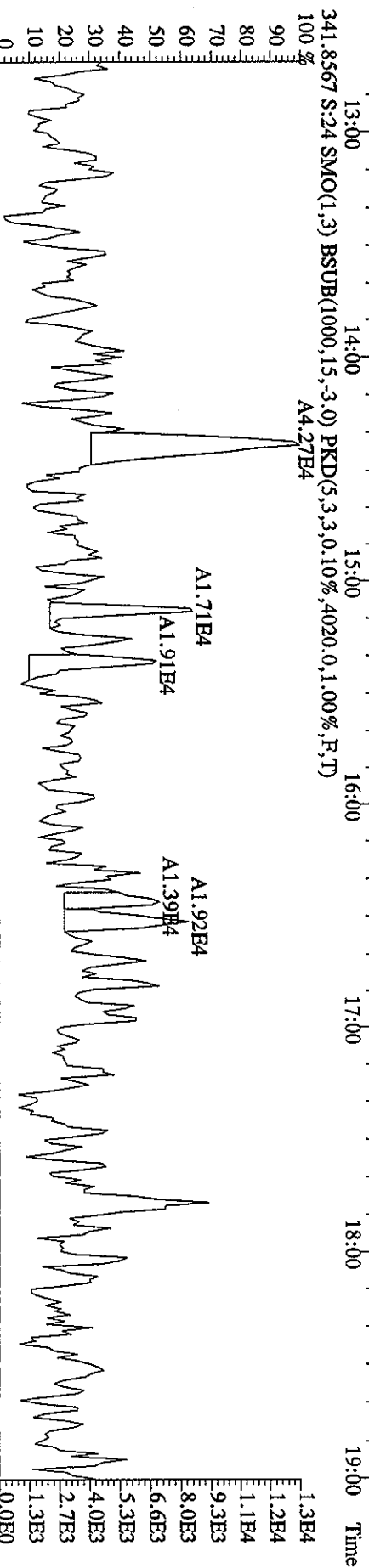
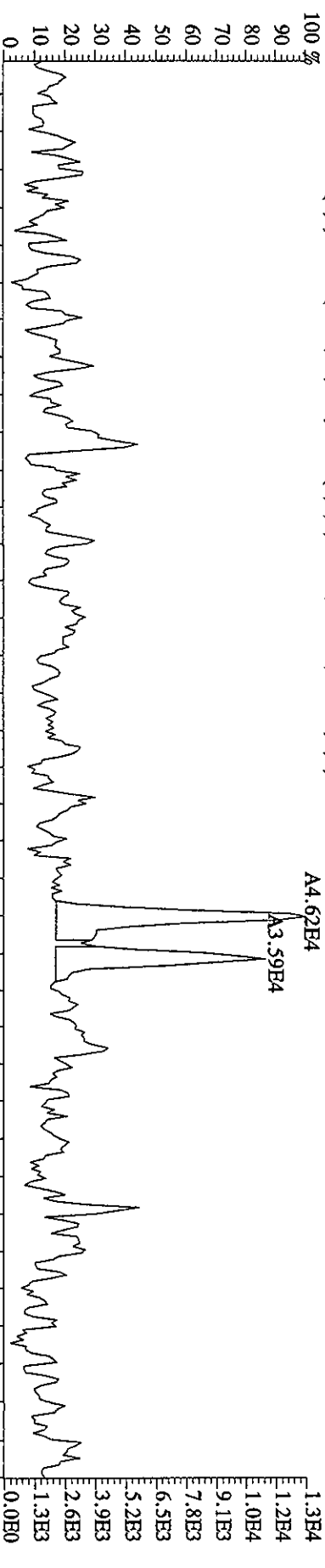
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327.8847 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6528,0,1.00%,F,T)



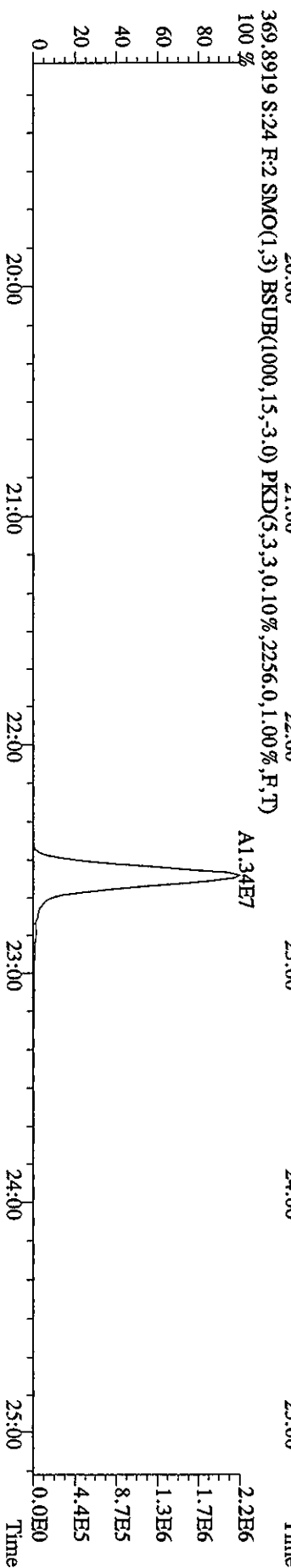
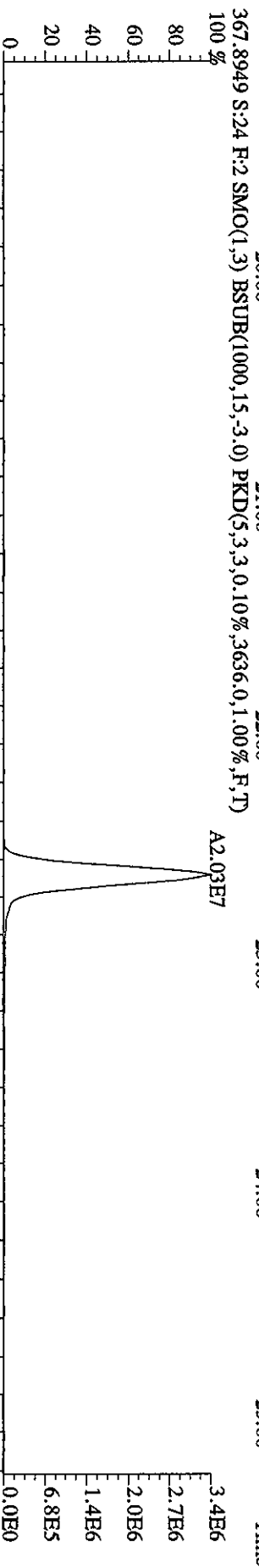
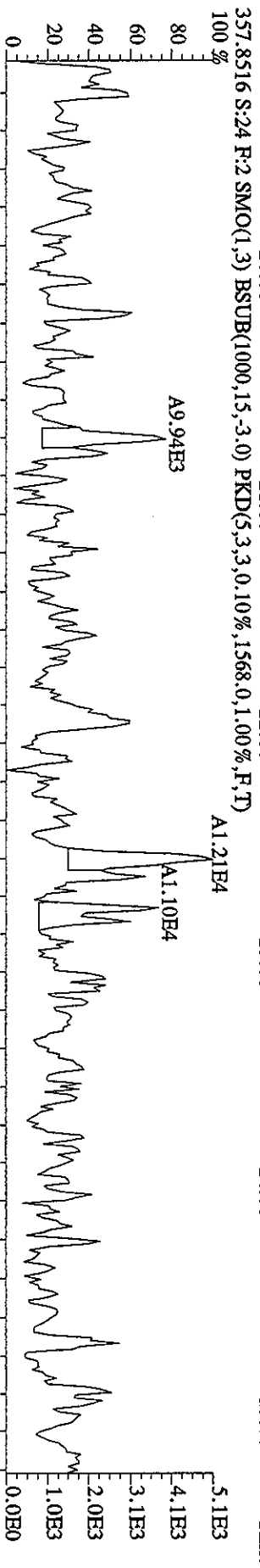
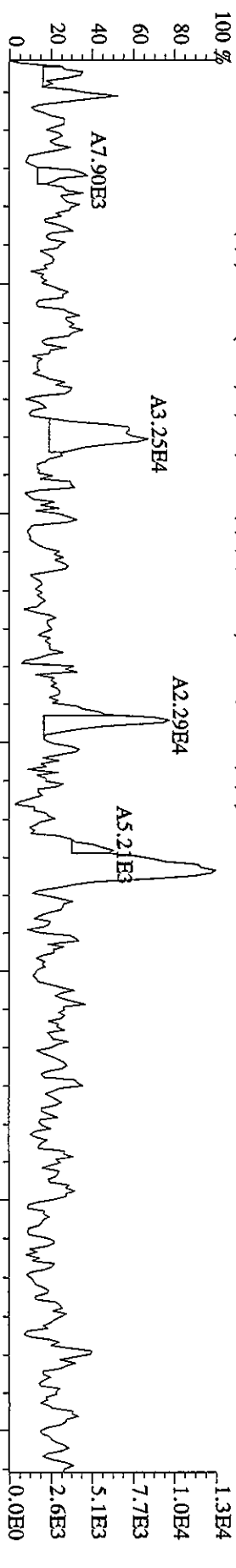
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 339.8597 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T) 21:57



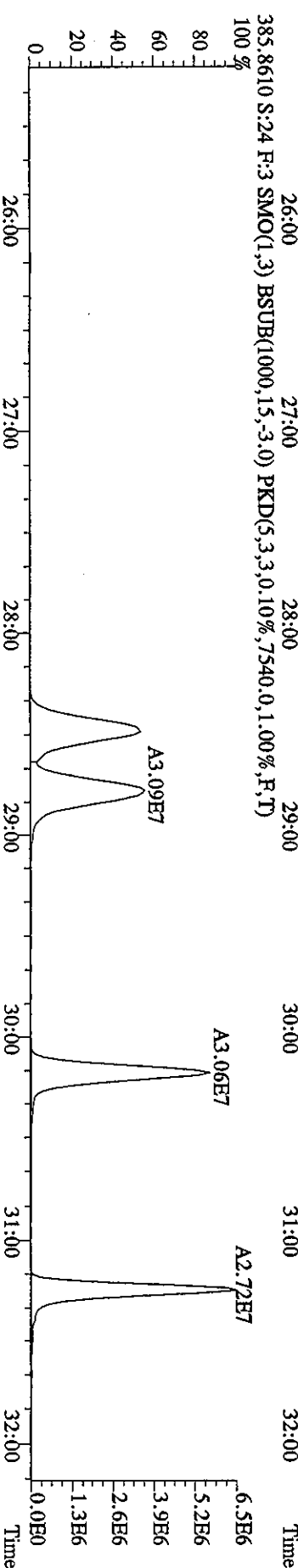
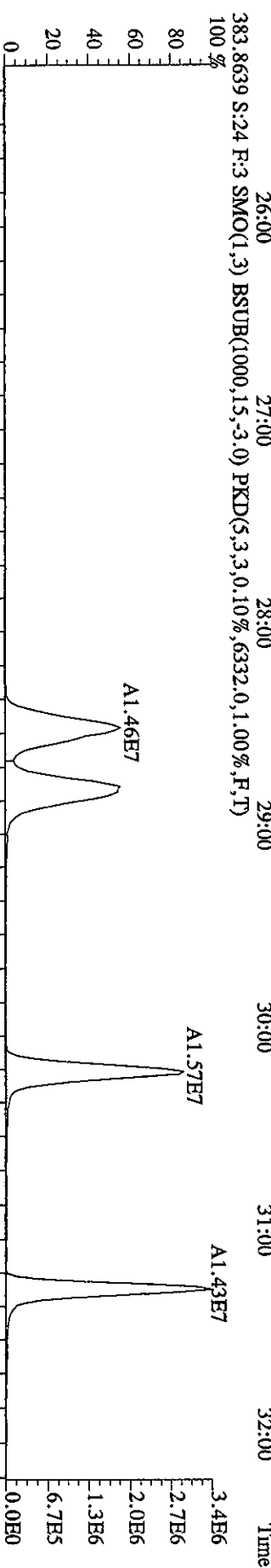
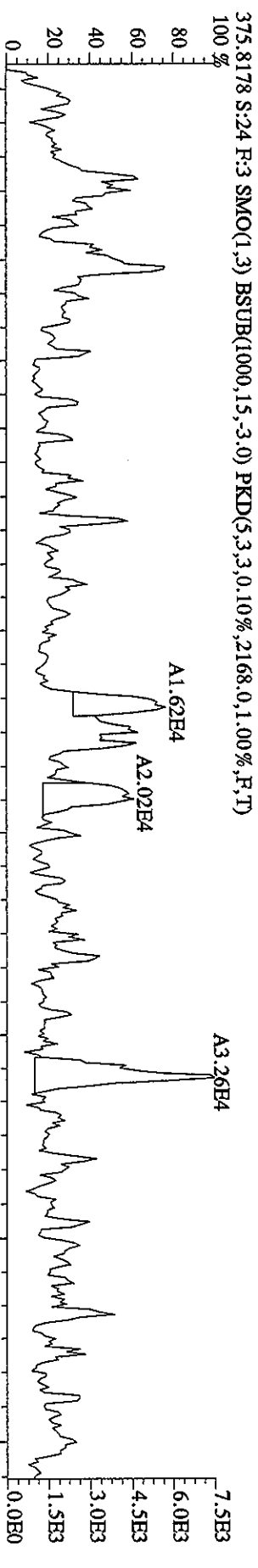
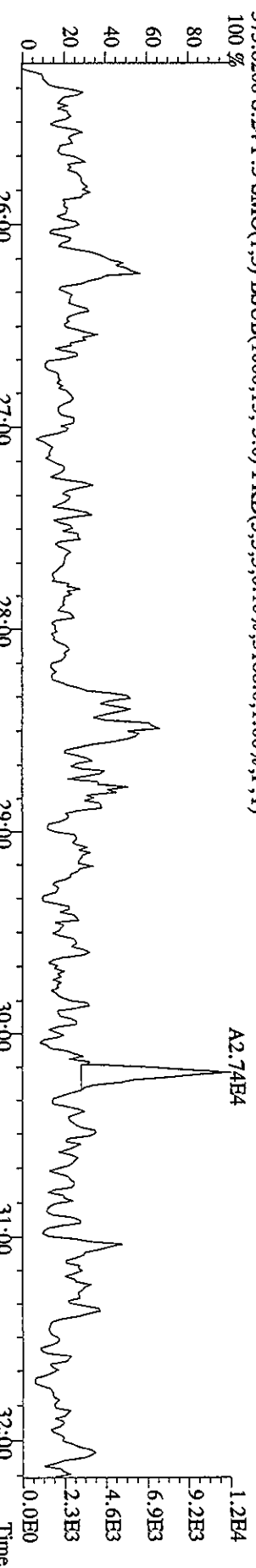
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 Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 339.8597 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2764.0,1.00%,F,T)



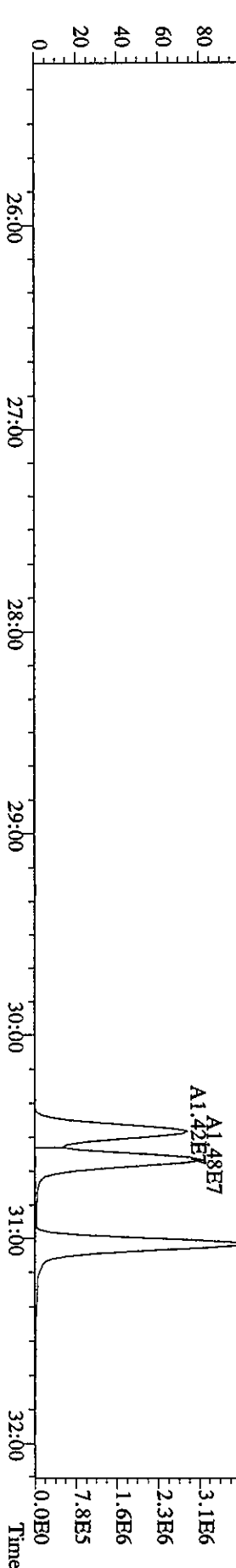
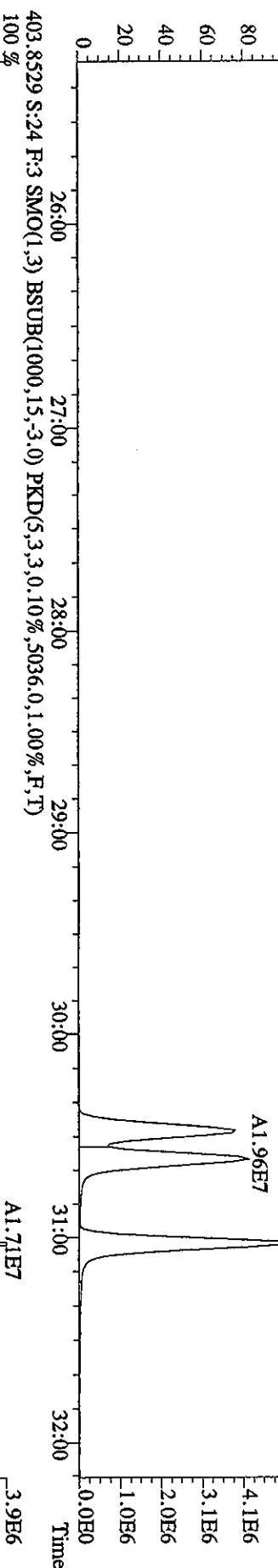
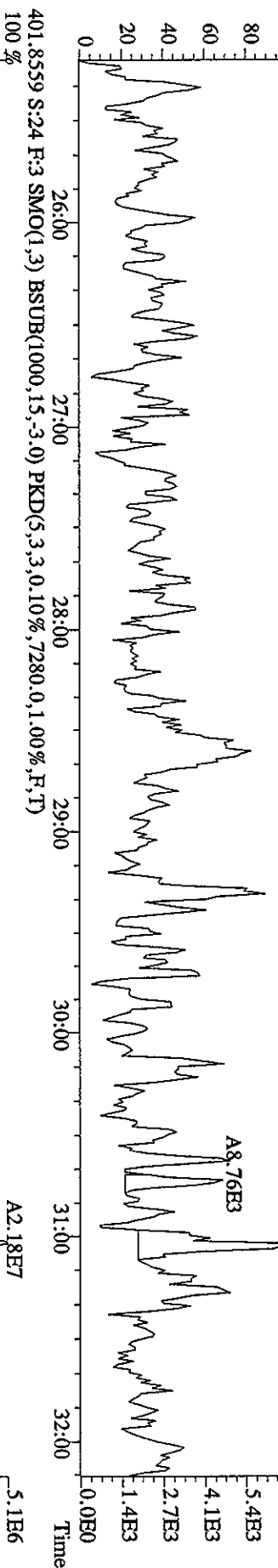
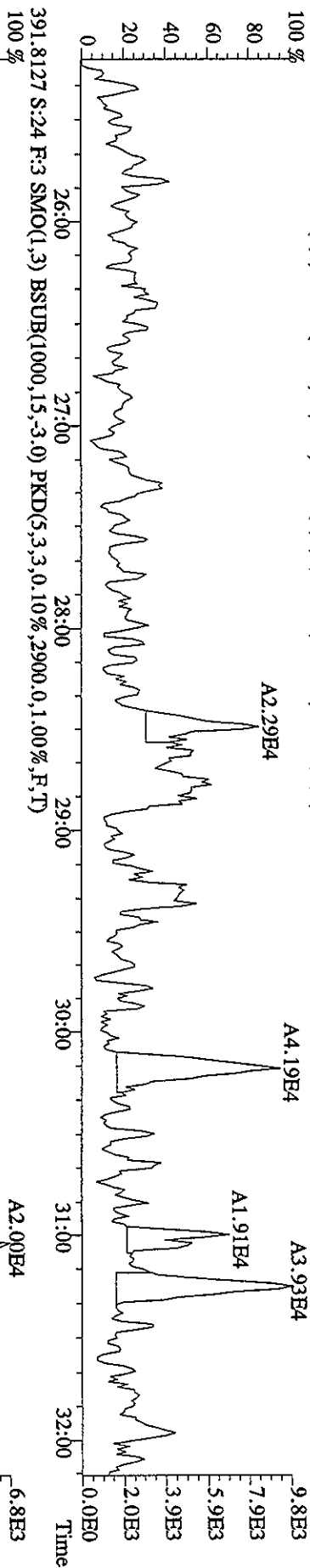
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 Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 355.8346 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3420.0,1.00%,F,T)



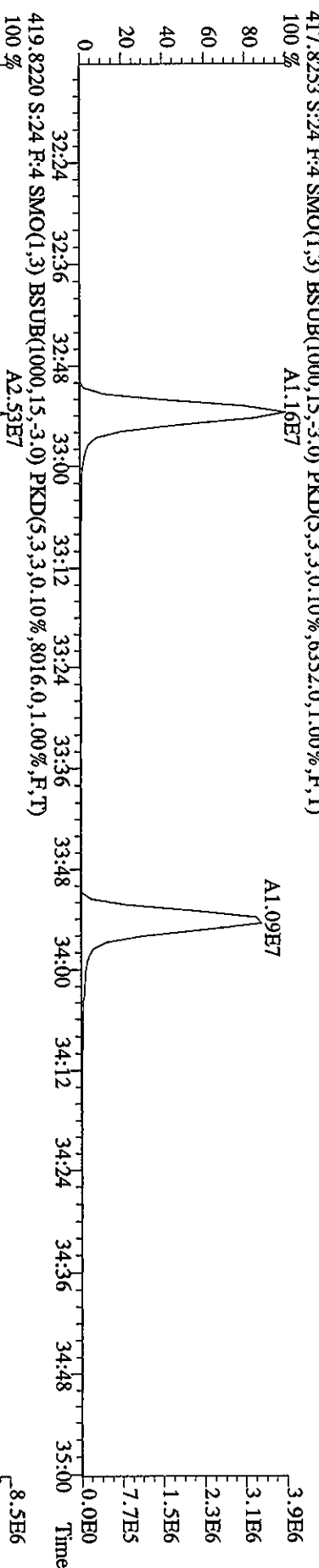
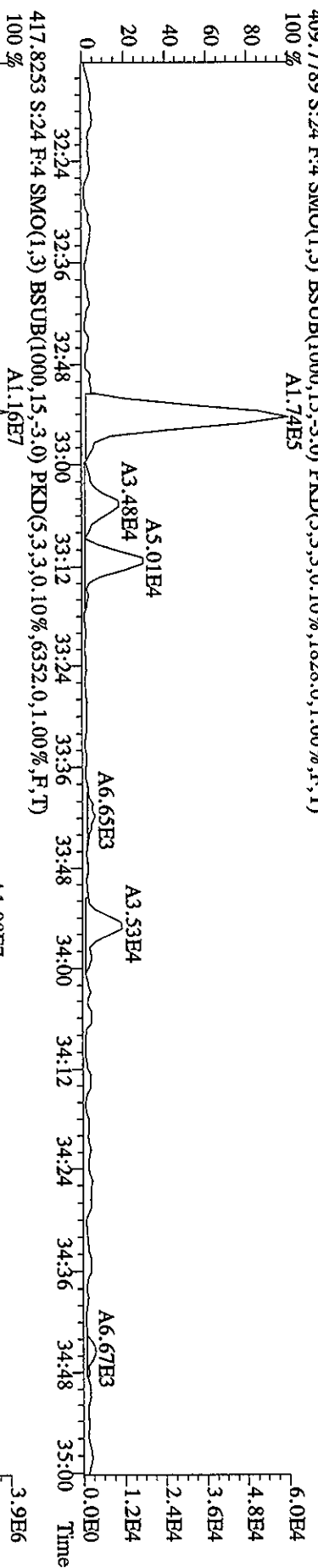
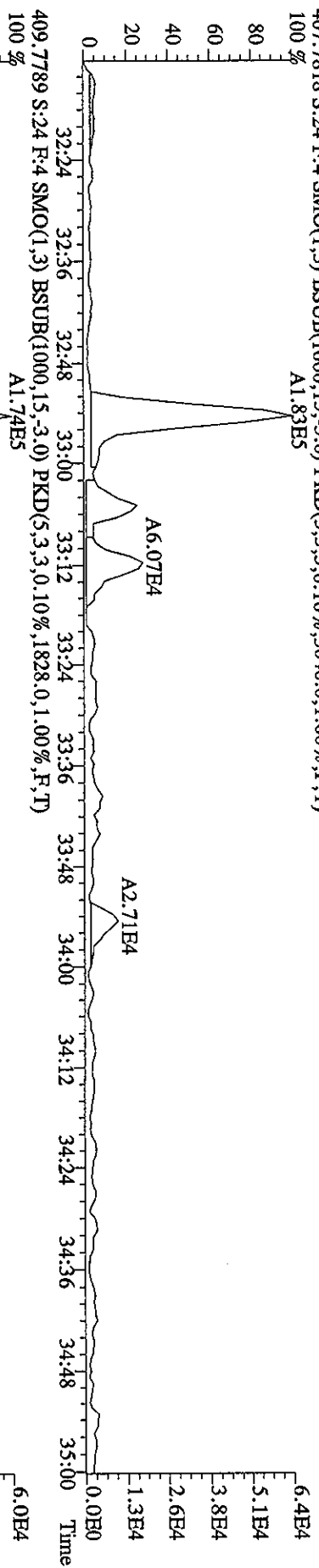
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 Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3188,0,1.00%,F,T)



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 389.8157 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2512.0,1.00%,F,T)



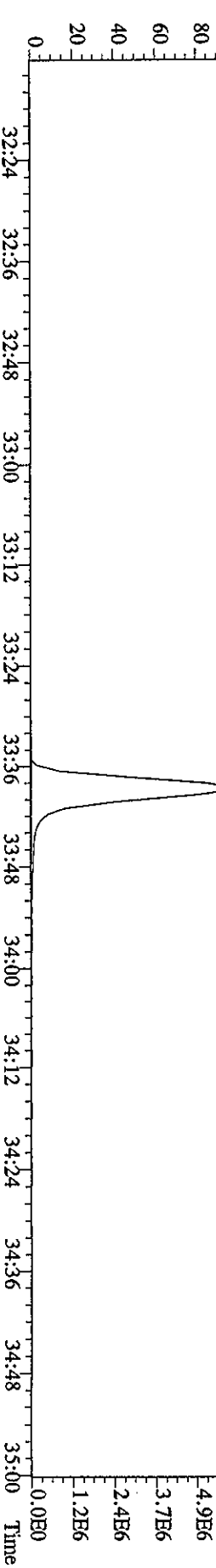
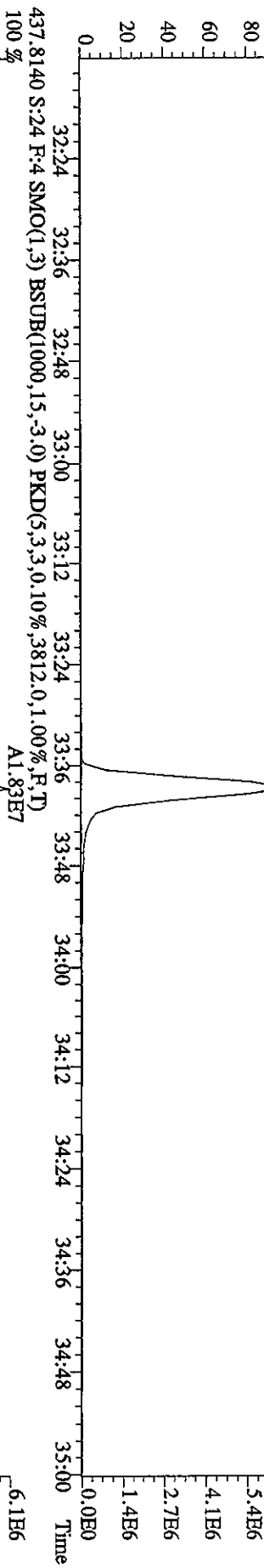
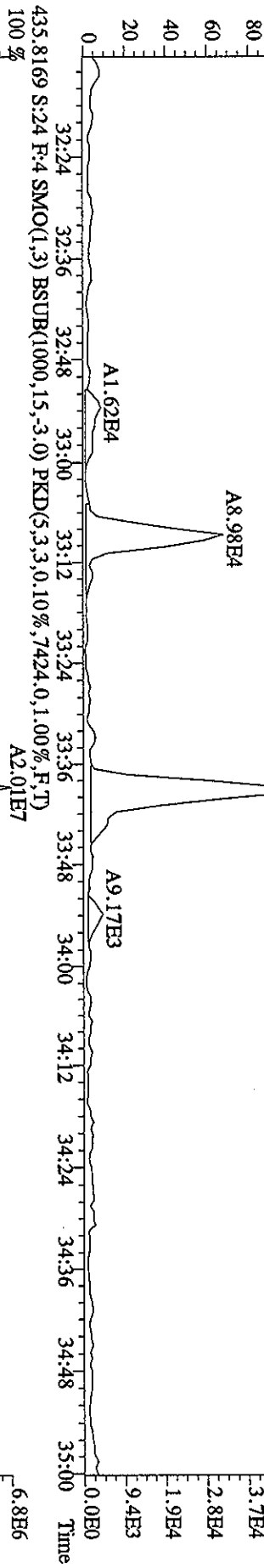
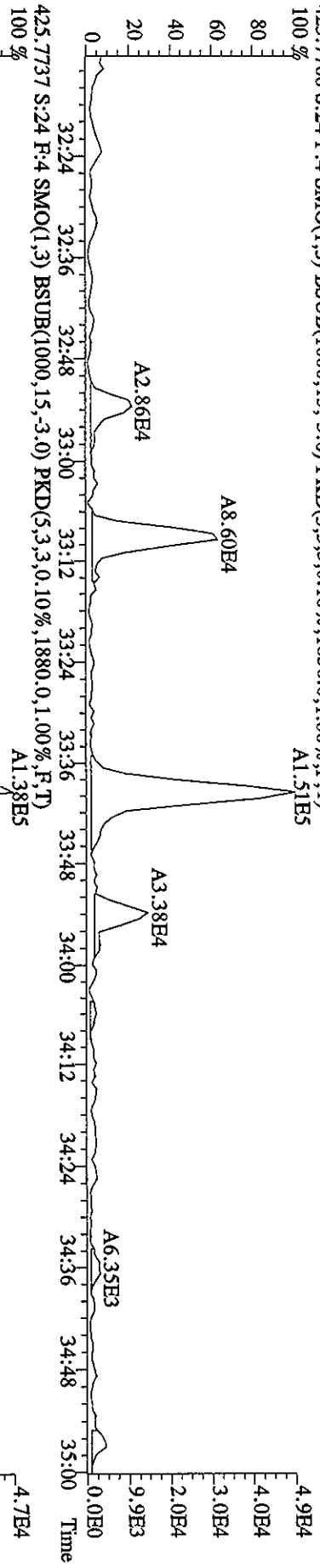
File:2SMY06A9D5 #1-224 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 407.7818 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3040.0,1.00%,F,T)  
 100% A1.83E5



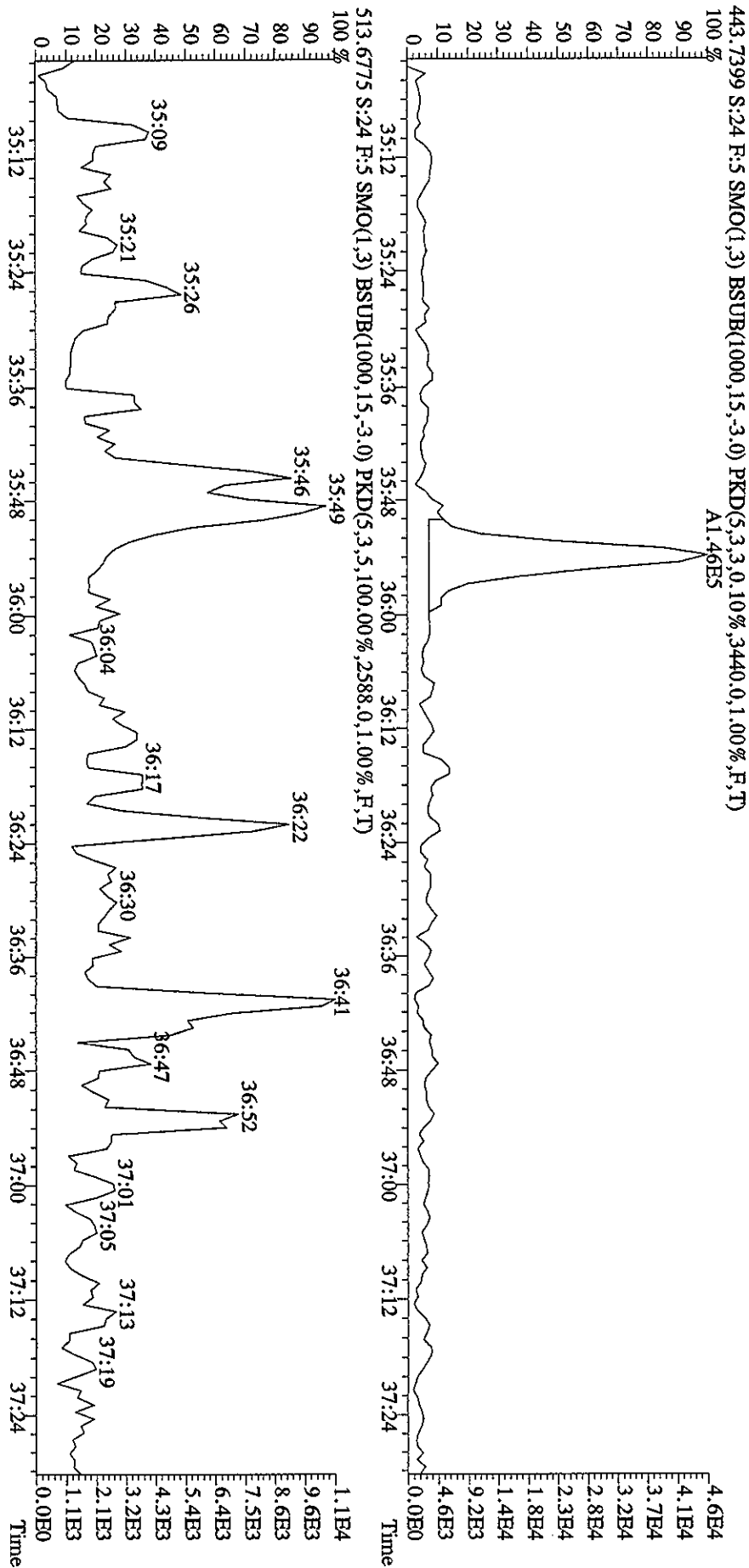
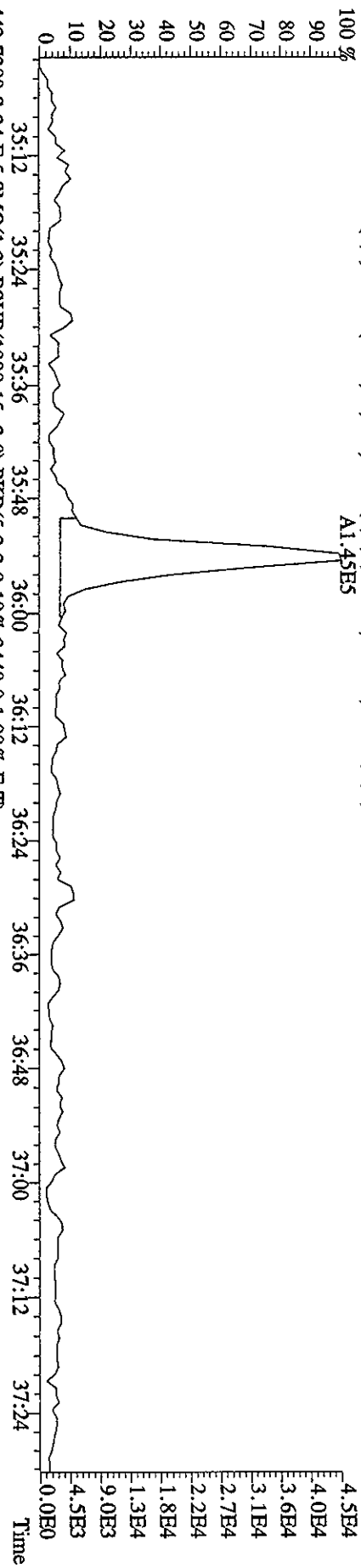
File:2SMY06A9D5 #1-224 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-Ultimate

Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN

423.7766 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1836,0,1.00%,F,T)



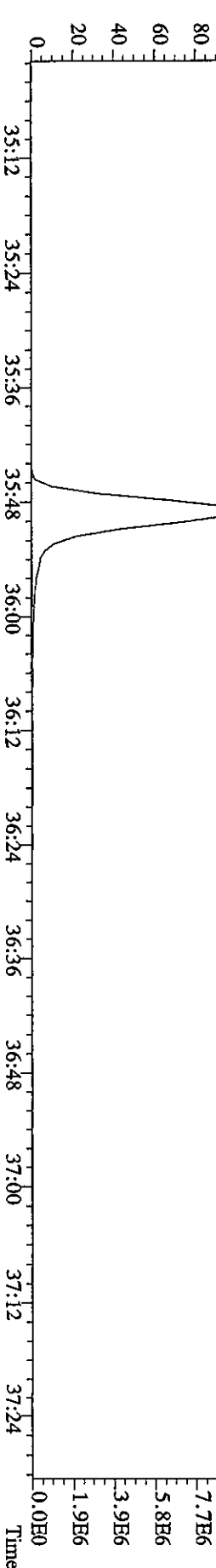
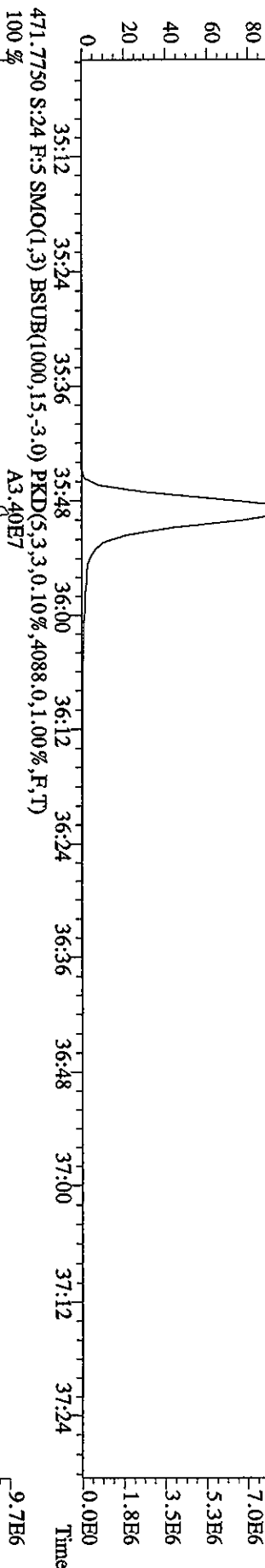
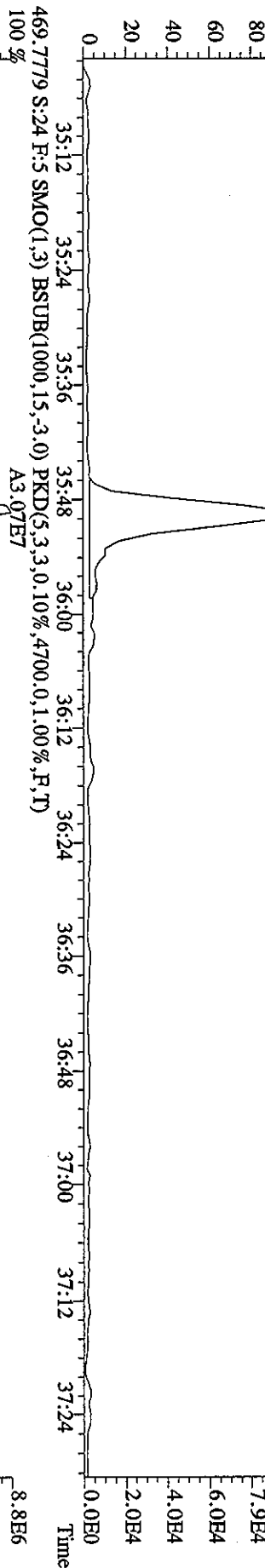
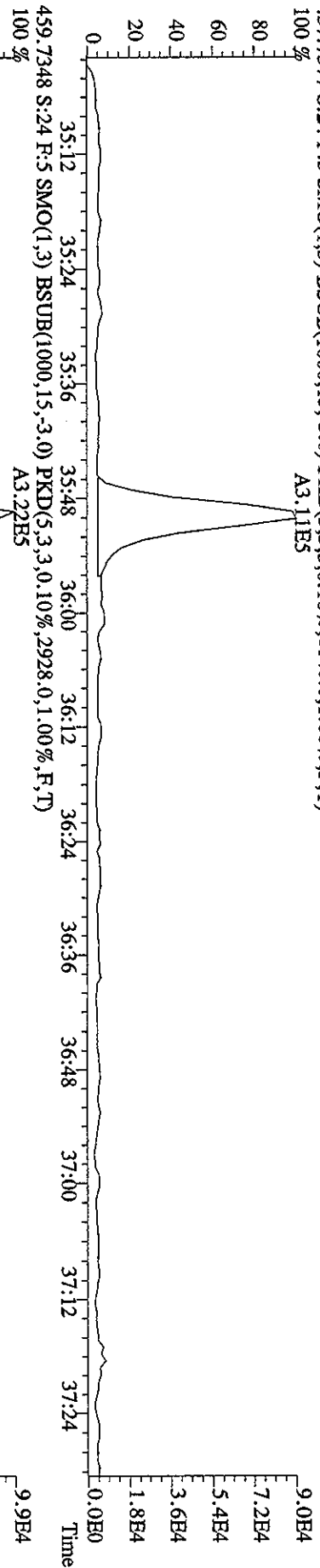
File: 25MAY06A9D5 #1-201 Acq: 26-MAY-2006 13:13:52 GC EI + Voltage SIR Autospec-UltimaB  
 Sample#24 Text: H5169-1-AA : G6E230000-628B Exp: DIOXIN  
 441.7428 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3220.0,1.00%,F,T)  
 100% A1.45E5



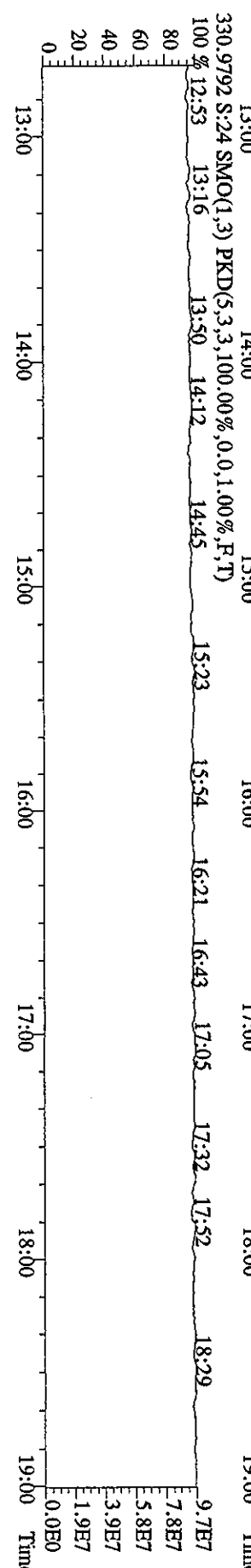
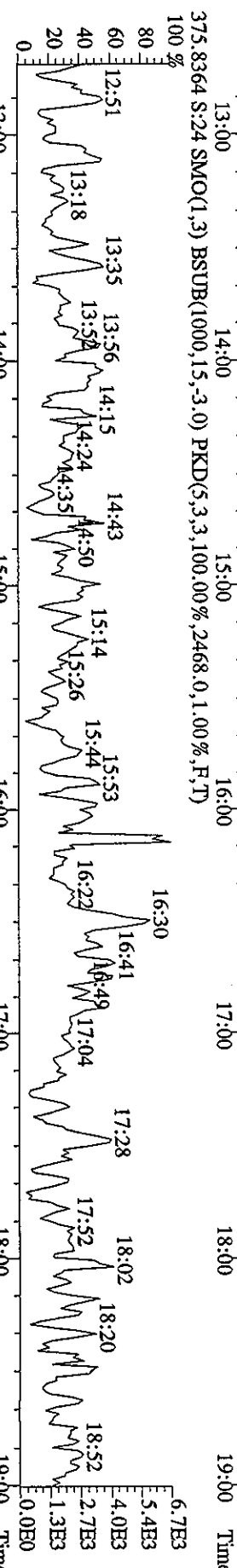
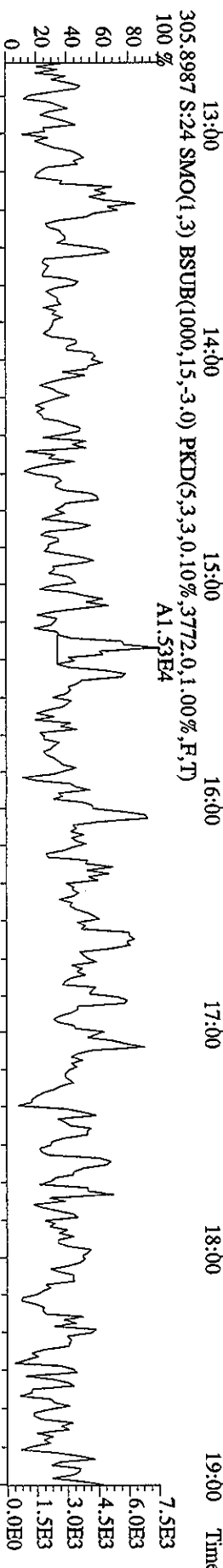
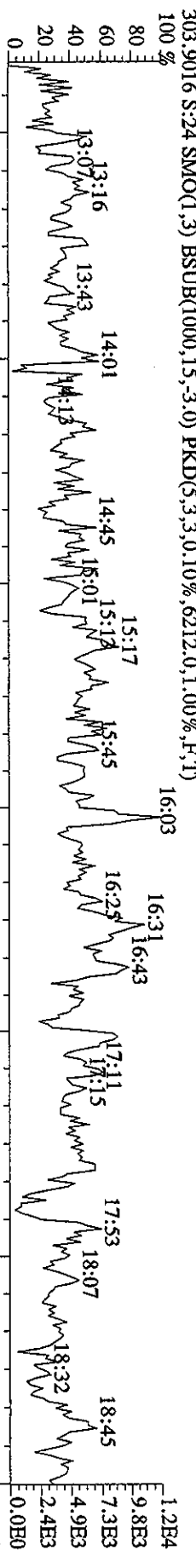
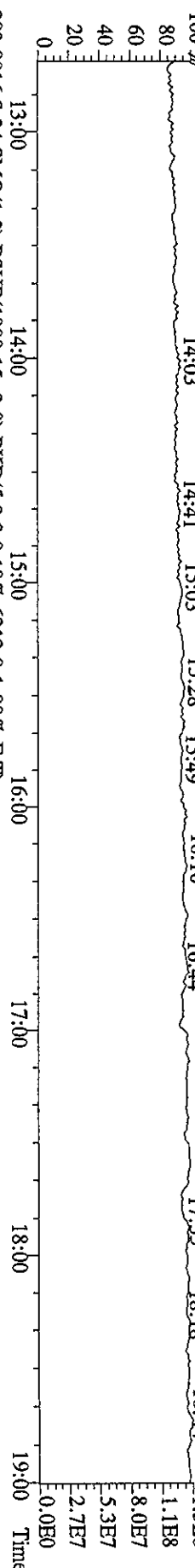
File:25MYY06A9D5 #1-201 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaB

Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN

457.7377 S:24 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6140,0,1,00%,F,T)  
A3.11E5



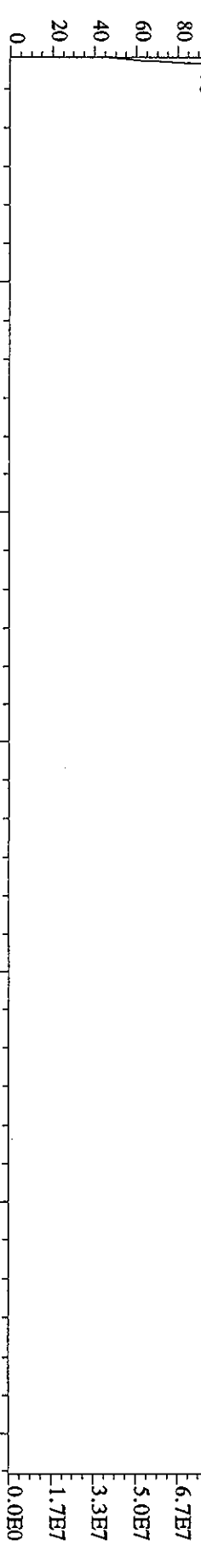
File:2SMY06A9D5 #1-439 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#24 Tex:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 292.9825 S:24 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



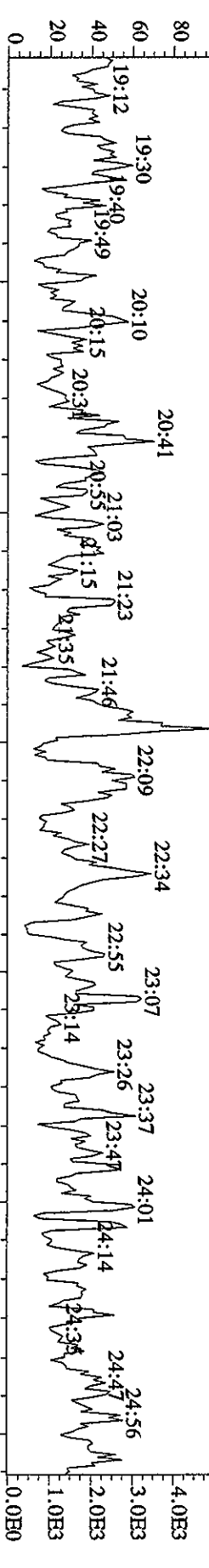
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaE

Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN

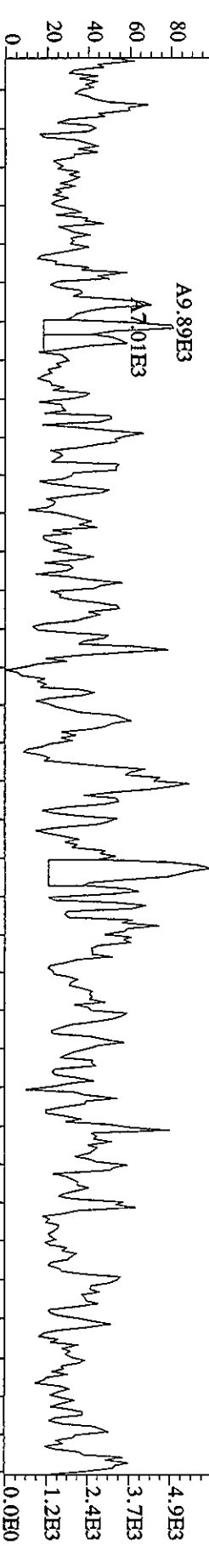
342.9792 S:24 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



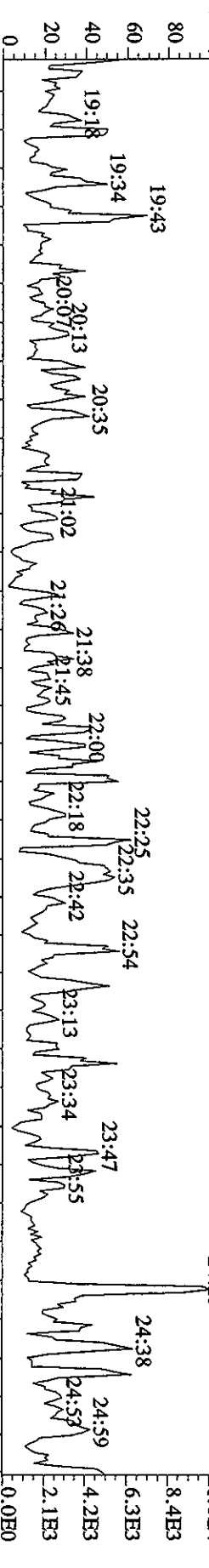
339.8597 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



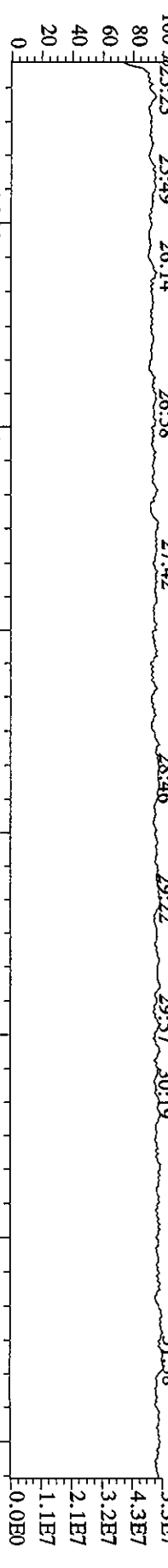
341.8567 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2708.0,1.00%,F,T)



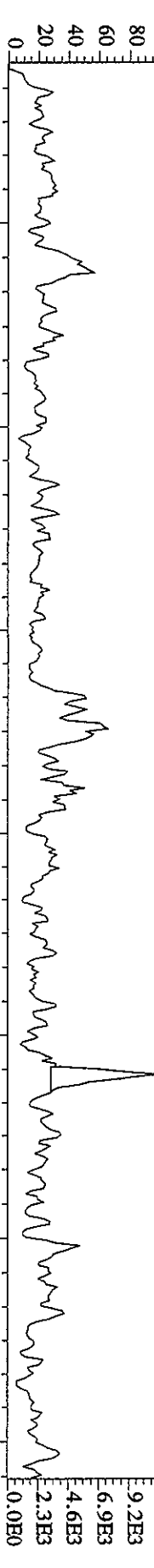
409.7974 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2564.0,1.00%,F,T)



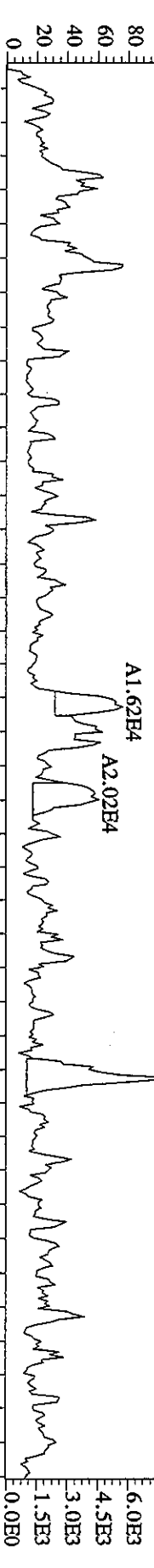
File:25MY06A9D5 #1-528 Acq:26-MAY-2006 13:13:52 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 392.9760 S:24 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 %25:23 25:49 26:14 26:58 27:42 28:46 29:22 29:57 30:19 31:38



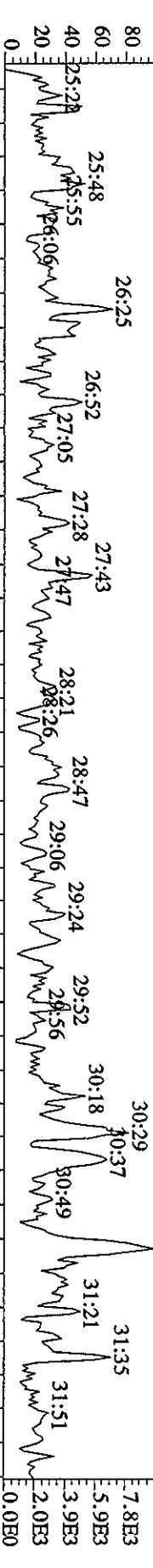
373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3188.0,1.00%,F,T)  
 100 %  
 1.2E4  
 9.2E3  
 6.9E3  
 4.6E3  
 2.3E3  
 0.0E0



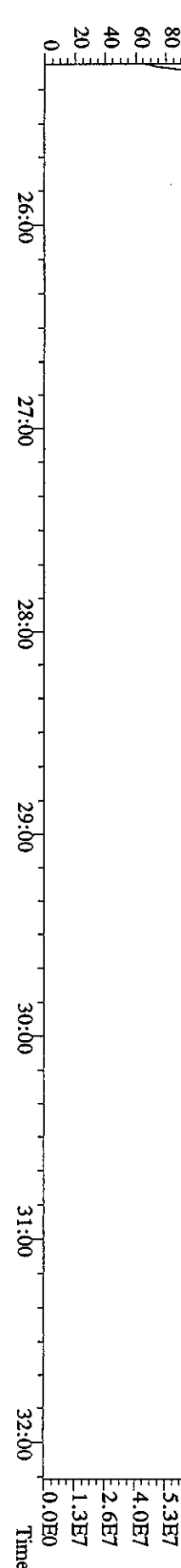
375.8178 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2168.0,1.00%,F,T)  
 100 %  
 7.5E3  
 6.0E3  
 4.5E3  
 3.0E3  
 1.5E3  
 0.0E0

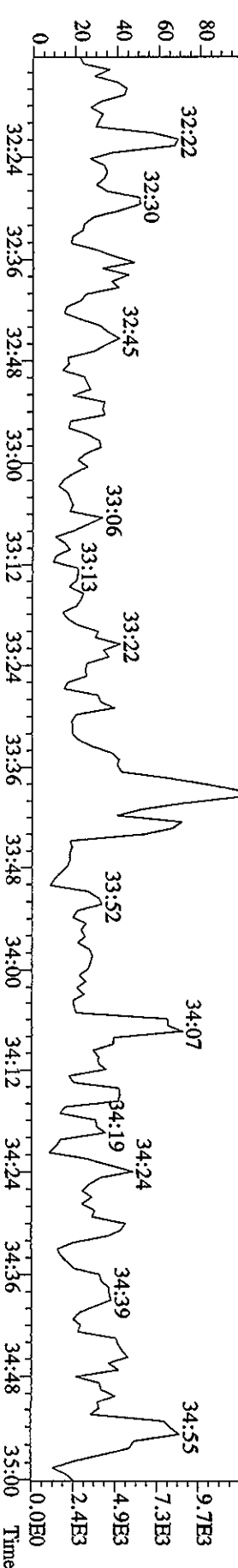
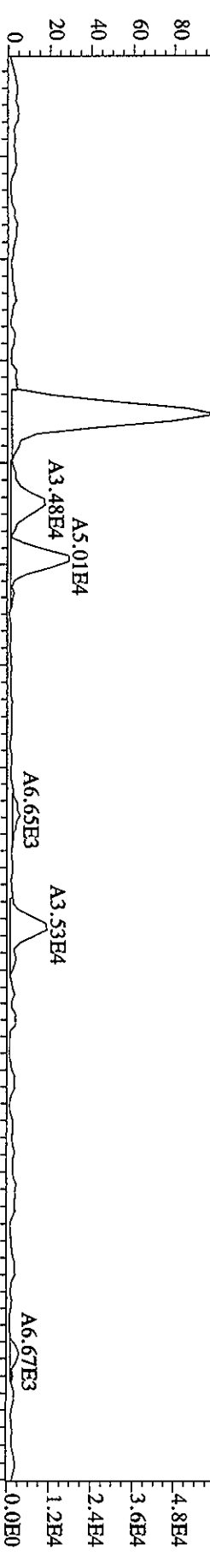
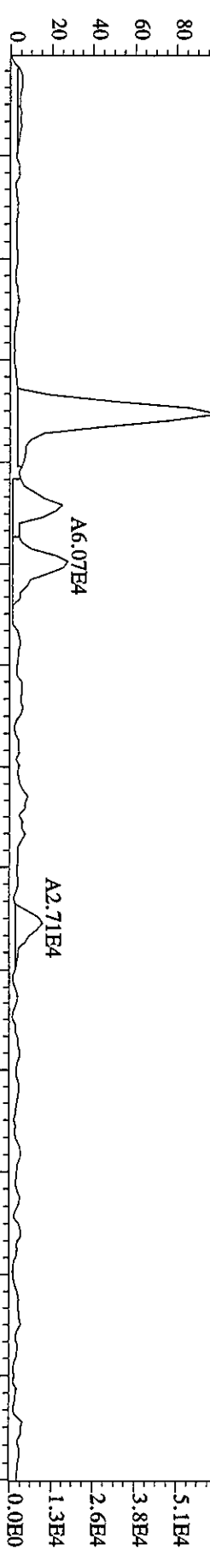
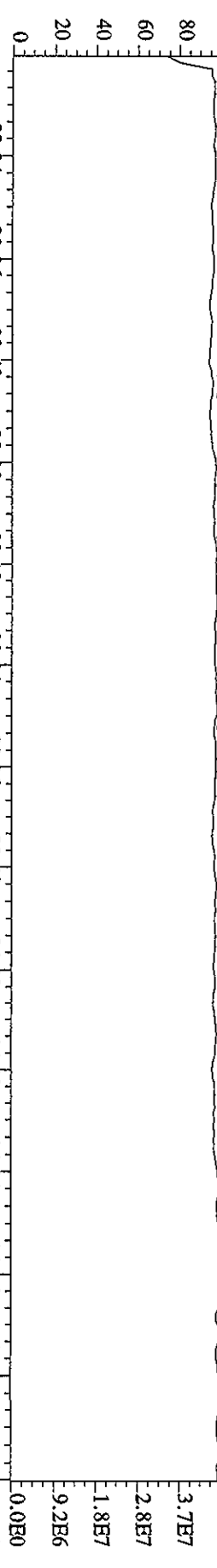


445.7555 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3072.0,1.00%,F,T)  
 100 %  
 9.8E3  
 7.8E3  
 5.9E3  
 3.9E3  
 2.0E3  
 0.0E0

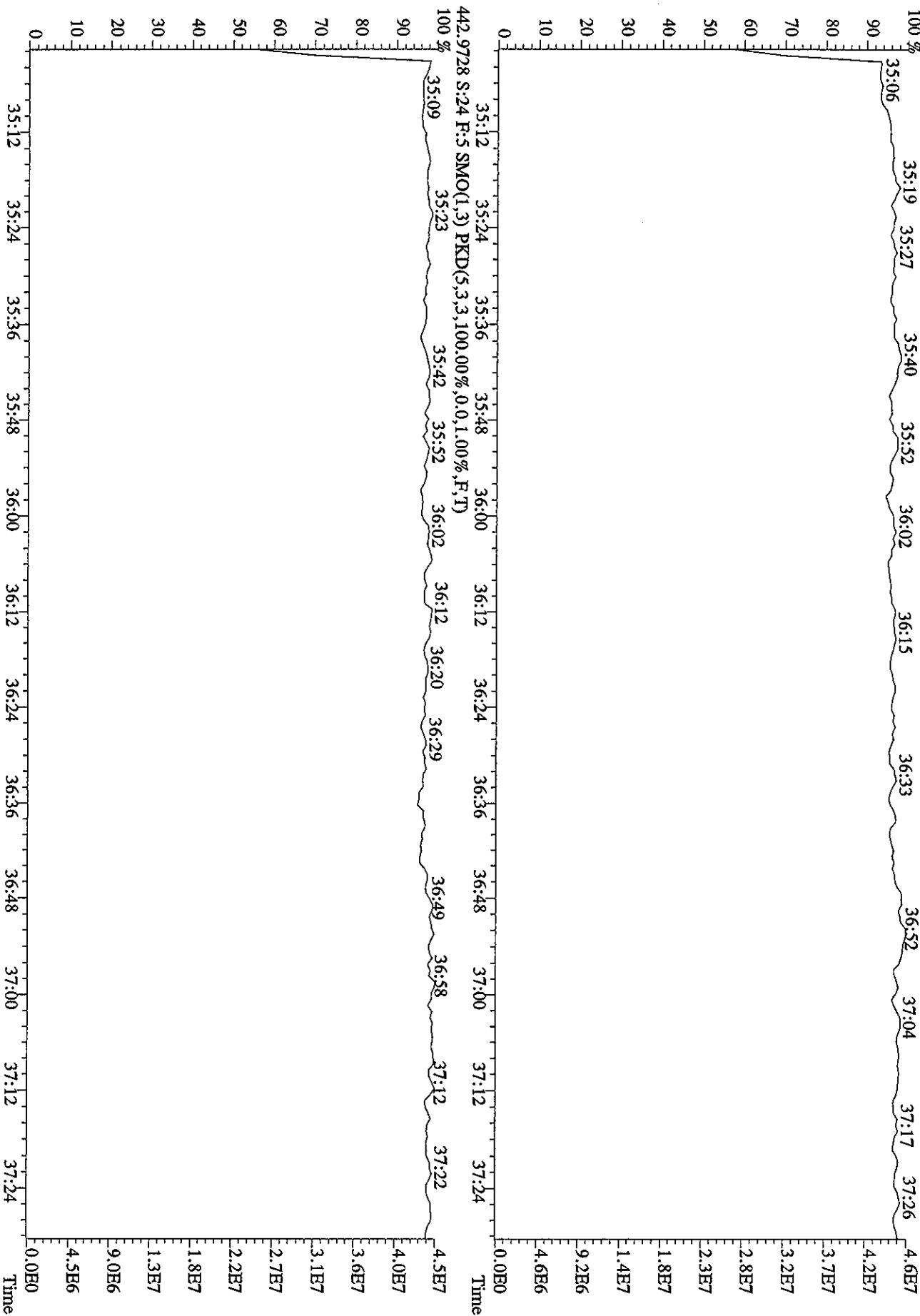


380.9760 S:24 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 %25:22 25:45 26:23 26:47 27:33 27:57 28:46 29:22 29:56 30:31 31:38





File:25MXY06A9D5 #1-201 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN  
 454.9728 S.:24 F.:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Quantitation Summary

STL

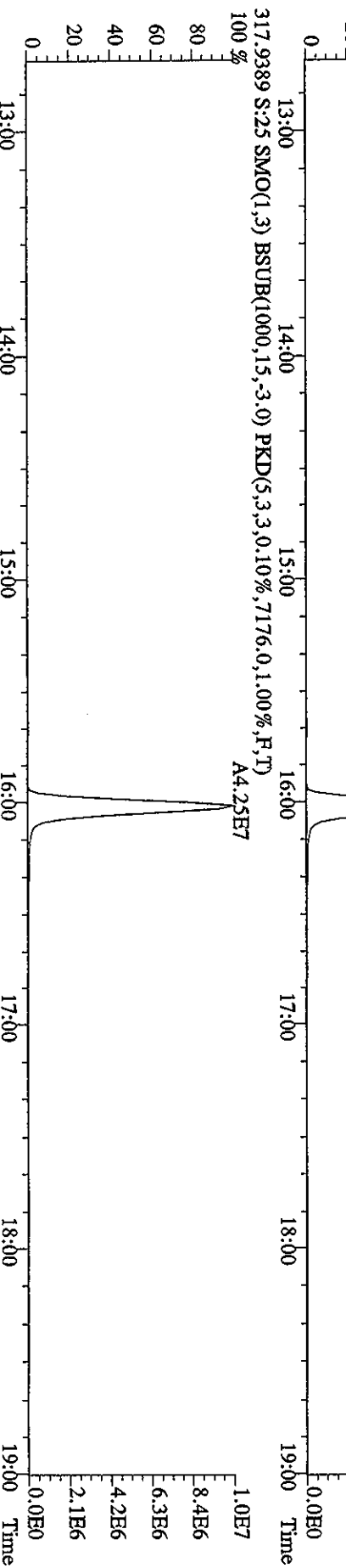
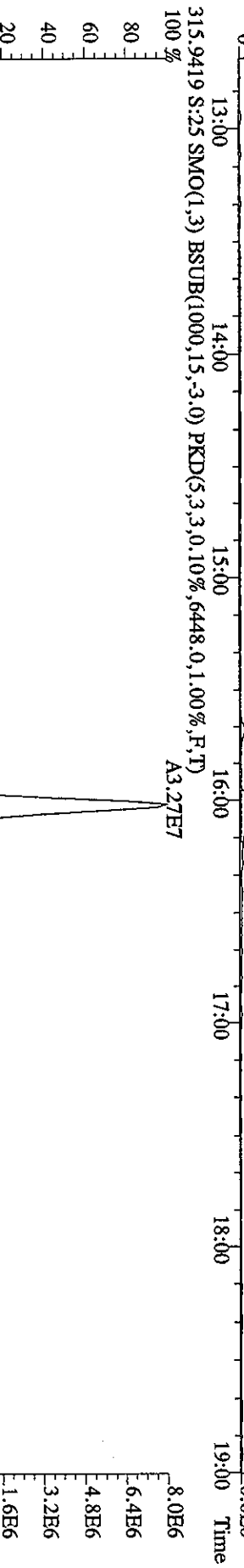
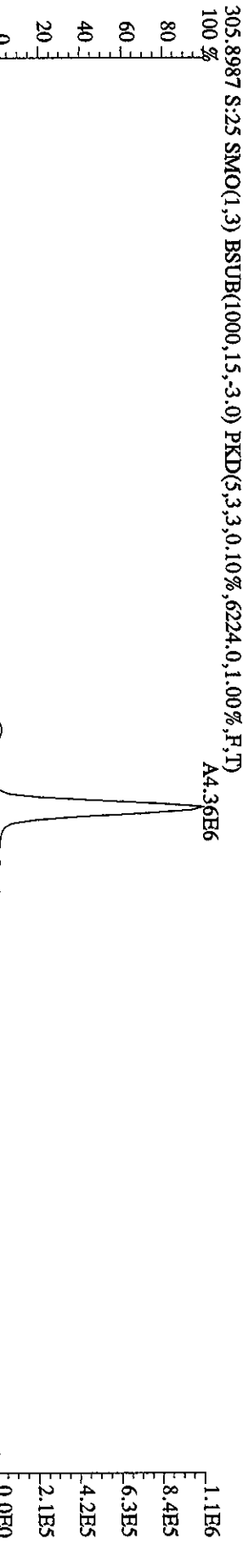
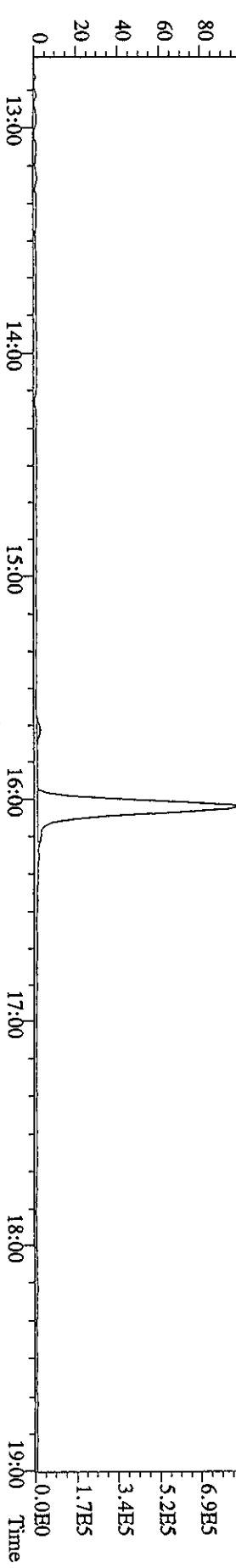
*= H6EM1-1-AC*

Run text: H5169-1-AC Sample text: H5169-1-AC :G6E230000-628C  
 Run #24 Filename: 25MY06A9D5 S: 25 I: 1 Results: 25MY06A9D58290  
 Acquired: 26-MAY-06 13:55:28 Processed: 26-MAY-06 15:37:35  
 Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.000000L

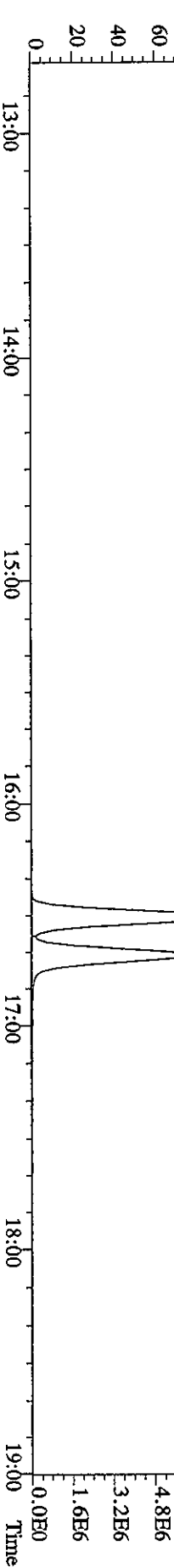
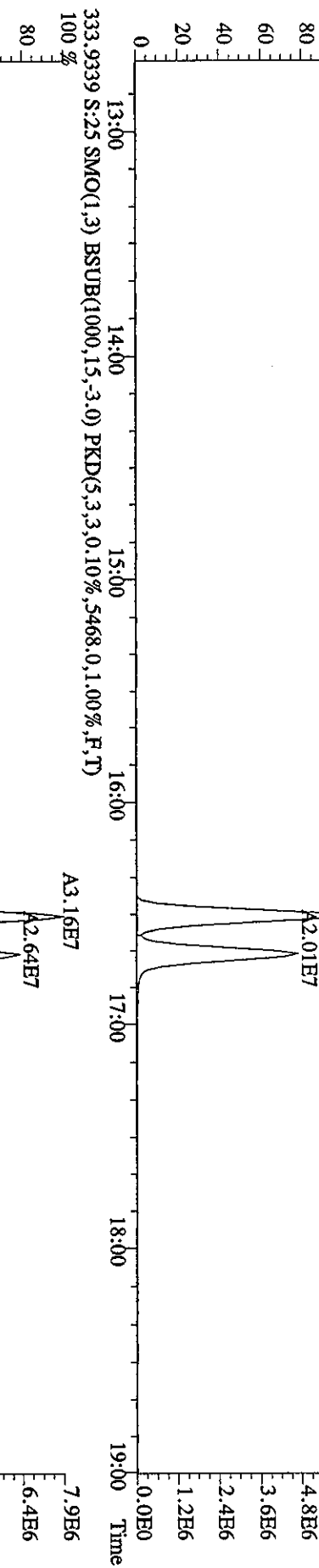
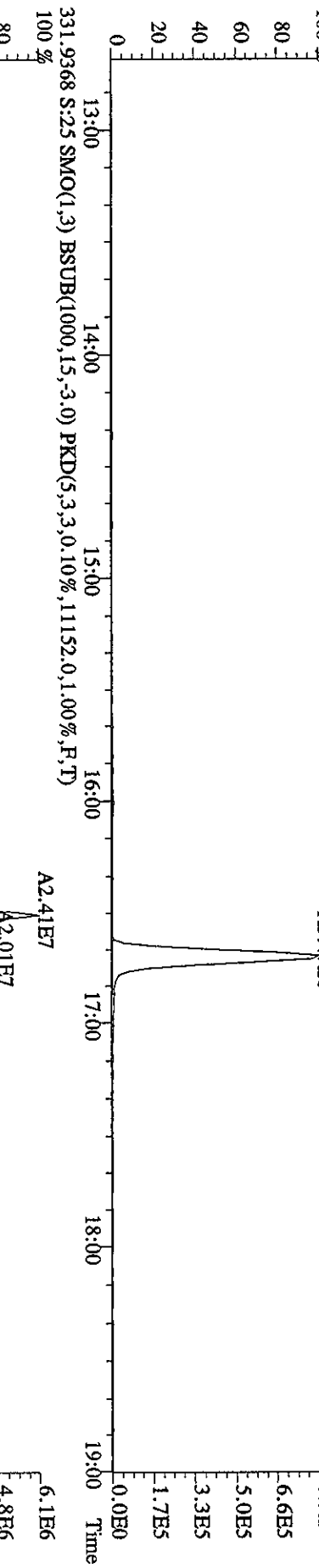
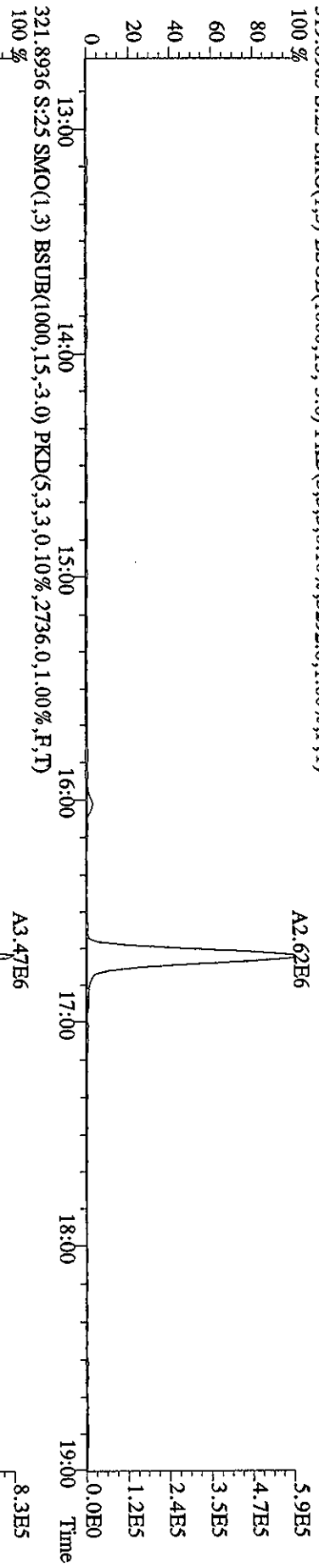
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	55682800	0.76 y	16:31	-	105.81	-	-	n
13C-2,3,7,8-TCDF	75196800	0.77 y	16:01	1.69	1601.89	3.47	80.1	n
2,3,7,8-TCDF	7745920	0.78 y	16:02	1.04	197.39	5.85	-	n
Total TCDF	7856915	0.58 n	15:41	1.04	200.22	5.85	-	n
13C-2,3,7,8-TCDD	46548300	0.76 y	16:41	0.90	1851.03	7.89	92.6	n
2,3,7,8-TCDD	6088830	0.76 y	16:42	1.23	212.26	2.68	-	n
Total TCDD	6142650	2.34 n	16:01	1.23	214.14	2.68	-	n
37Cl-2,3,7,8-TCDD	40907200	1.00 y	16:42	2.21	664.61	2.09	83.1	n
13C-1,2,3,7,8-PeCDF	62734700	1.52 y	20:41	1.25	1799.84	4.32	90.0	n
1,2,3,7,8-PeCDF	30977400	1.48 y	20:41	0.91	1091.08	3.93	-	n
2,3,4,7,8-PeCDF	32323600	1.50 y	21:56	0.95	1084.51	3.75	-	n
Total F2 PeCDF	64322556	1.49 y	19:26	0.93	2210.69	3.84	-	n
Total F1 PeCDF	65234	1.48 y	16:31	0.93	2.24	3.77	-	n
13C-1,2,3,7,8-PeCDD	35613200	1.49 y	22:35	0.66	1934.84	4.00	96.7	n
1,2,3,7,8-PeCDD	22987340	1.53 y	22:36	1.16	1112.35	5.94	-	n
Total PeCDD	23024090	1.35 y	21:12	1.16	1114.13	5.94	-	n
13C-1,2,3,7,8,9-HxCDD	39829200	1.30 y	31:02	-	124.40	-	-	n
13C-1,2,3,4,7,8-HxCDF	45044100	0.52 y	28:29	1.41	1607.59	6.87	80.4	n
1,2,3,4,7,8-HxCDF	27240700	1.23 y	28:31	1.04	1163.33	8.46	-	n
1,2,3,6,7,8-HxCDF	28695100	1.25 y	28:49	1.13	1123.16	7.76	-	n
2,3,4,6,7,8-HxCDF	27639600	1.23 y	30:12	1.01	1218.40	8.73	-	n
1,2,3,7,8,9-HxCDF	25596800	1.23 y	31:16	0.93	1220.39	9.45	-	n
Total HxCDF	109352439	1.23 y	28:31	1.03	4733.06	8.56	-	n
13C-1,2,3,6,7,8-HxCDD	37201100	1.29 y	30:37	0.99	1879.59	7.74	94.0	n
1,2,3,4,7,8-HxCDD	20177280	1.19 y	30:30	0.94	1156.25	5.19	-	n
1,2,3,6,7,8-HxCDD	22244900	1.21 y	30:39	1.05	1134.06	4.61	-	n
1,2,3,7,8,9-HxCDD	22578900	1.22 y	31:03	1.07	1136.15	4.55	-	n
Total HxCDD	65020816	4.34 n	30:12	1.02	3427.51	4.77	-	n
13C-1,2,3,4,6,7,8-HpCDF	38518400	0.47 y	32:54	1.18	1639.24	6.53	82.0	n
1,2,3,4,6,7,8-HpCDF	26563700	1.04 y	32:54	1.27	1082.13	2.36	-	n
1,2,3,4,7,8,9-HpCDF	24620100	1.05 y	33:55	1.10	1163.70	2.73	-	n
Total HpCDF	51436635	1.04 y	32:54	1.19	2256.90	2.53	-	n
13C-1,2,3,4,6,7,8-HpCDD	38636800	1.06 y	33:39	1.07	1819.30	5.65	91.0	n
1,2,3,4,6,7,8-HpCDD	20973700	1.04 y	33:40	0.95	1140.94	1.92	-	n
Total HpCDD	21413993	0.89 y	33:09	0.95	1164.89	1.92	-	n
13C-OCDD	66956200	0.90 y	35:49	0.80	4223.95	11.51	105.6	n

OCDF	48924500	0.91	y	35:55	1.36	2153.22	5.01	-	n
OCDD	41303900	0.91	y	35:50	1.05	2359.26	6.65	-	n

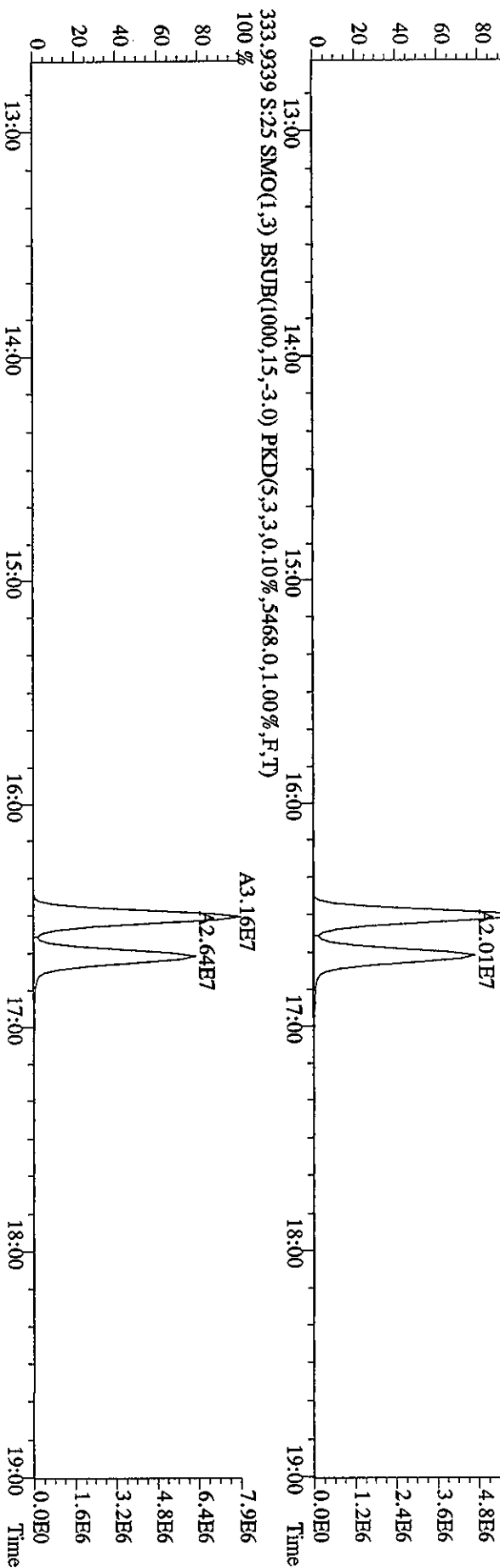
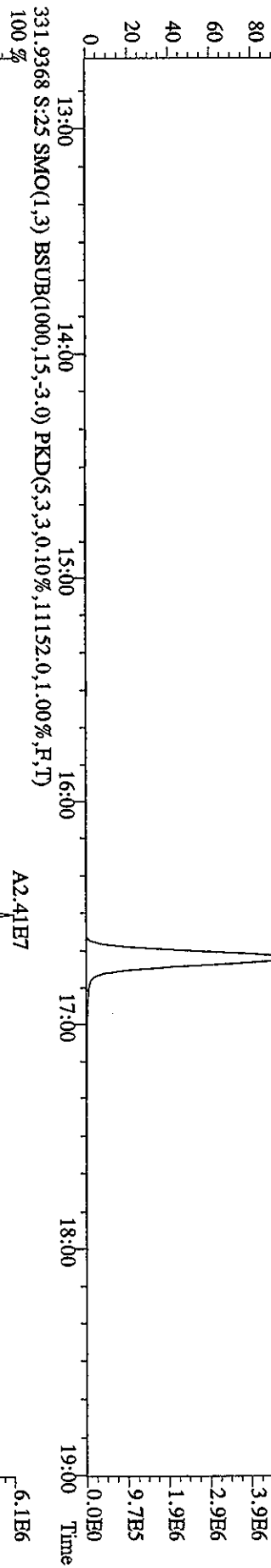
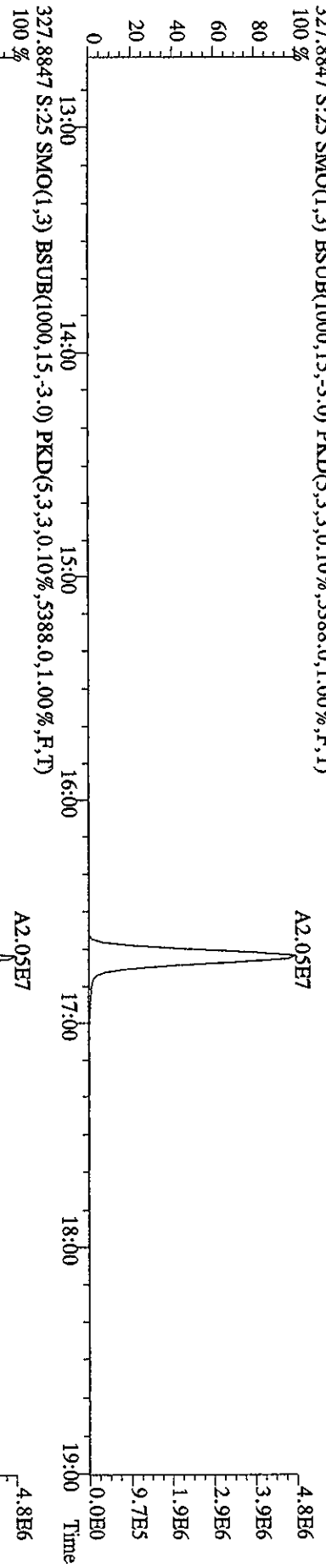
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 13:55:28 GC EI + Voltage STR Autospec-Ultimate  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 303.9016 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12592,0,1,00%,F,T)  
 100 % A3.39E6



File:2SMY06A9D5 #1-439 Acq:26-MAY-2006 13:55:28 GC EI + Voltage SIR Autospec-UltimaB  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 319,8965 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3292,0,1.00%,F,T)



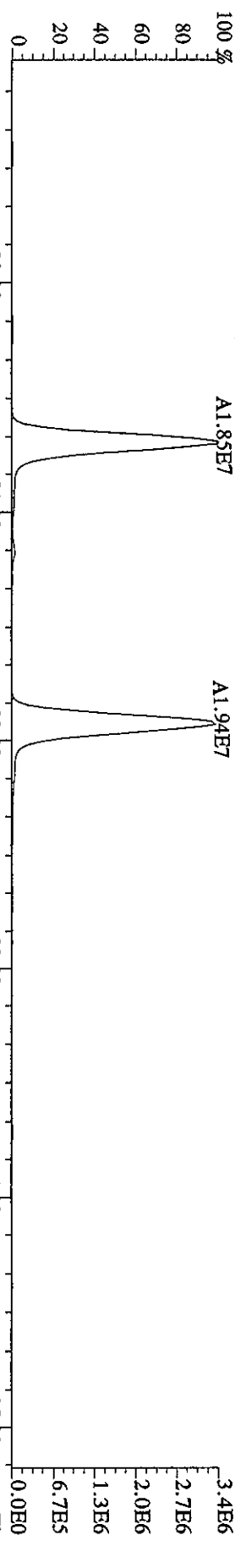
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 327.8847 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5388,0,1,00%,F,T)



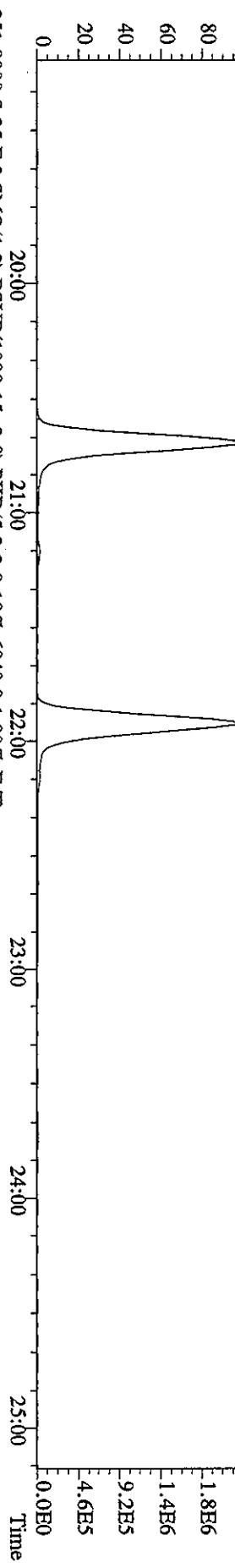
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-Ultimate

Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN

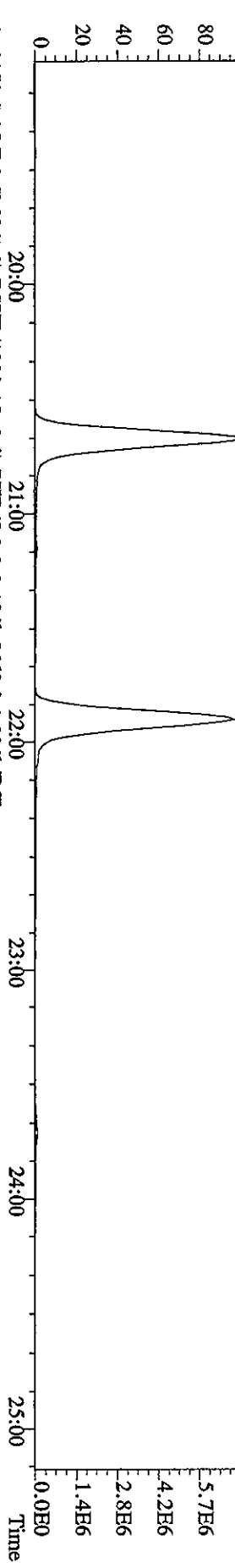
339.8597 S:25 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2992.0,1.00%,F,T)



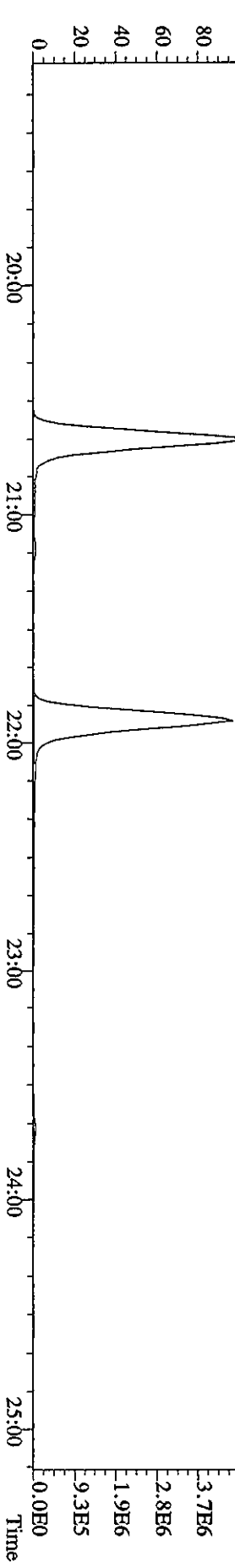
341.8567 S:25 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3952.0,1.00%,F,T)



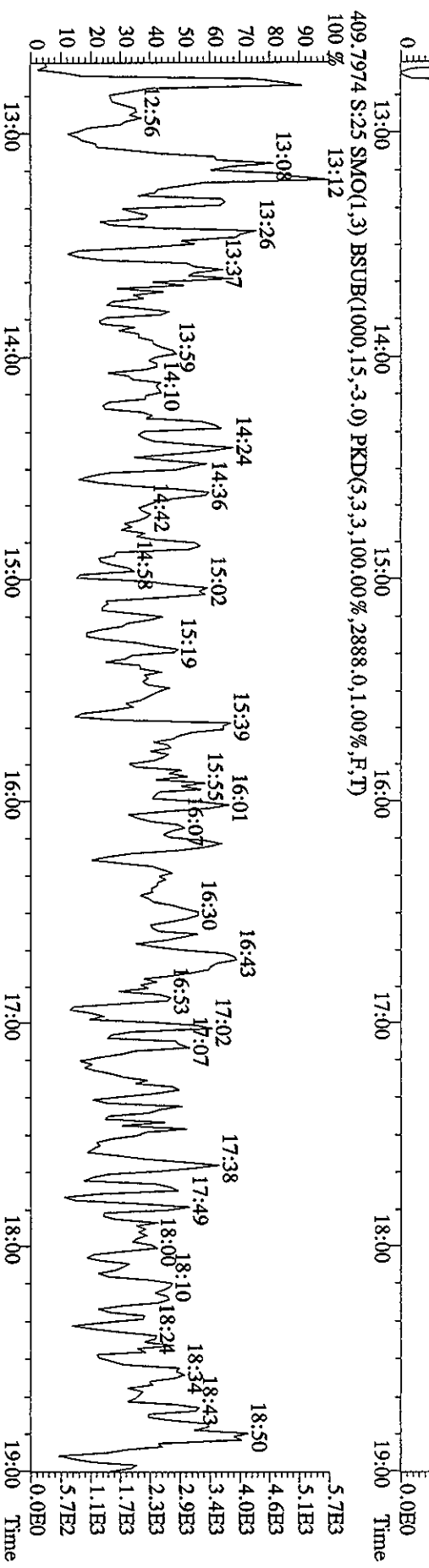
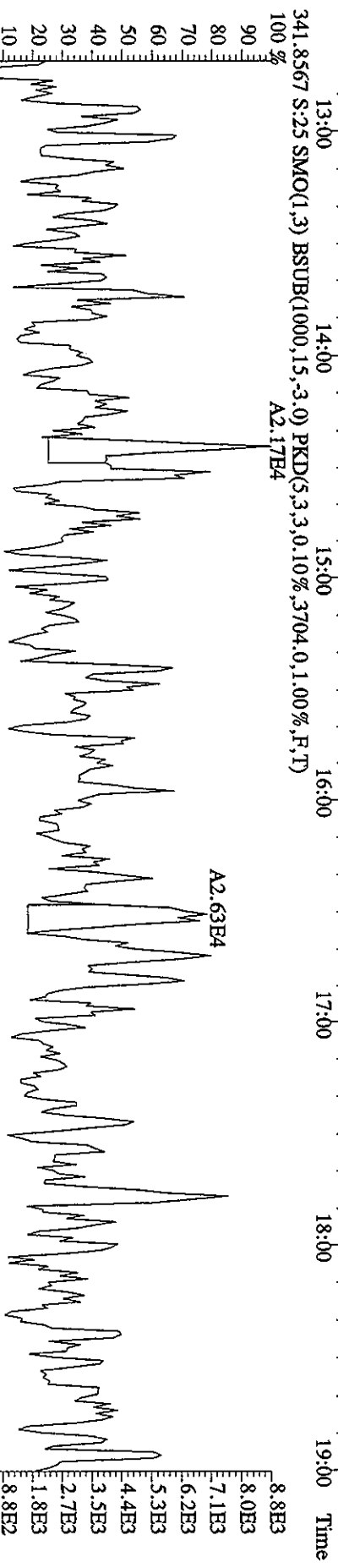
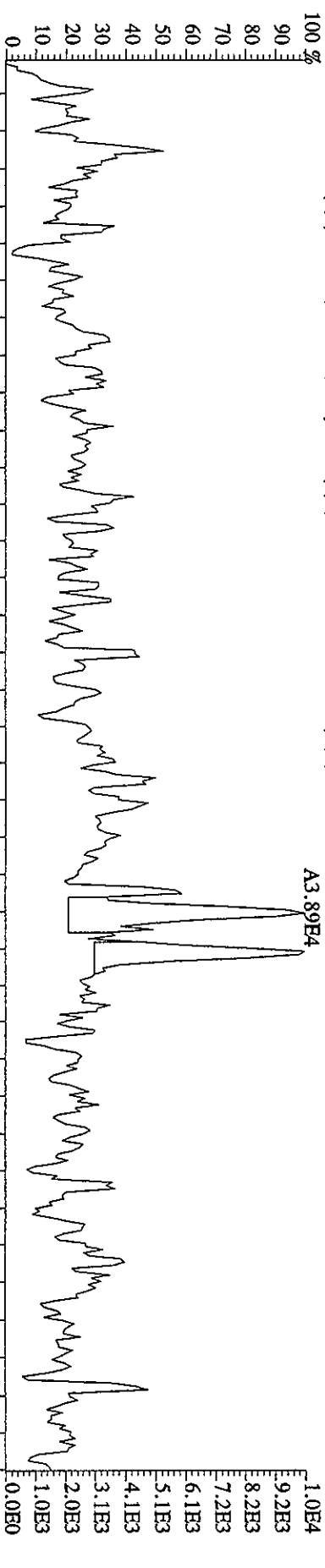
351.9000 S:25 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6940.0,1.00%,F,T)



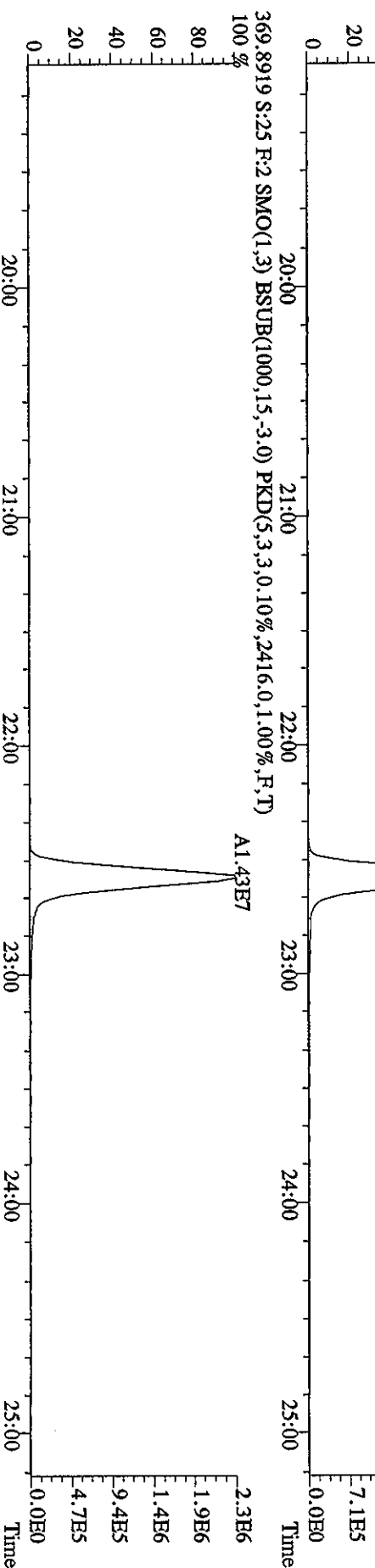
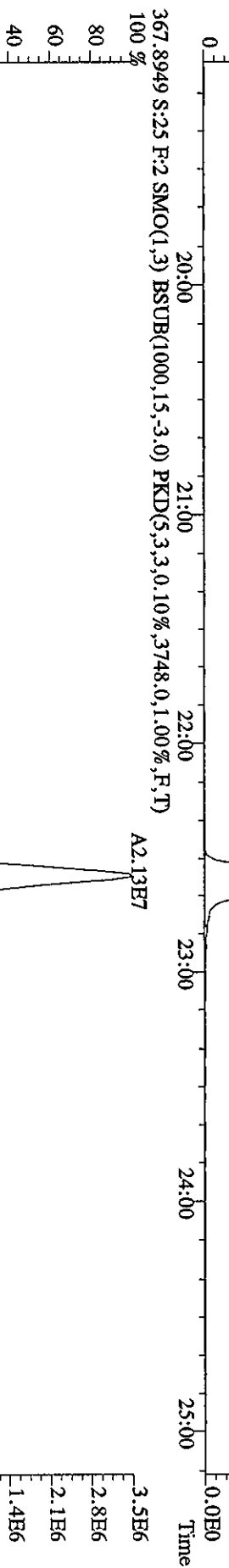
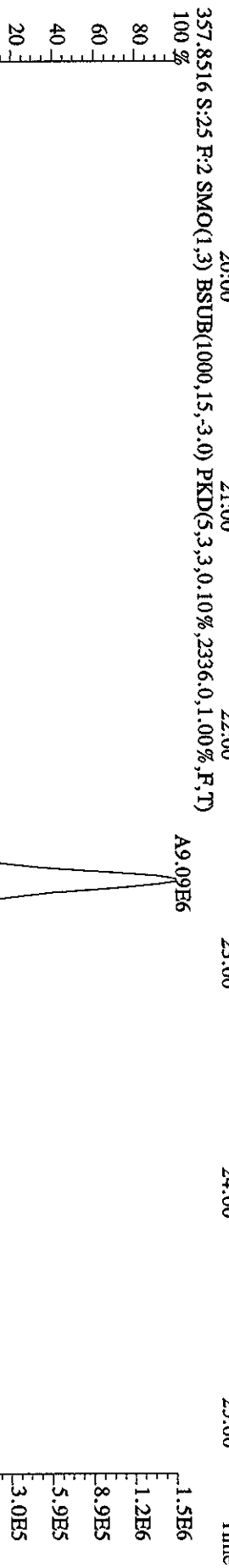
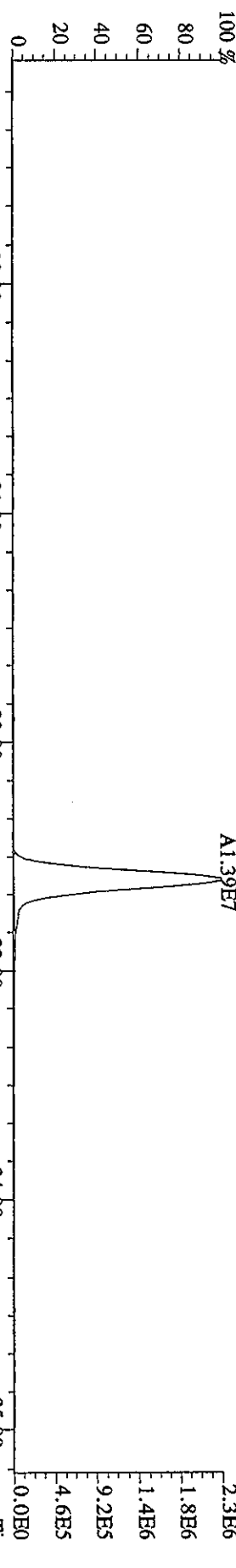
353.8970 S:25 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5668.0,1.00%,F,T)



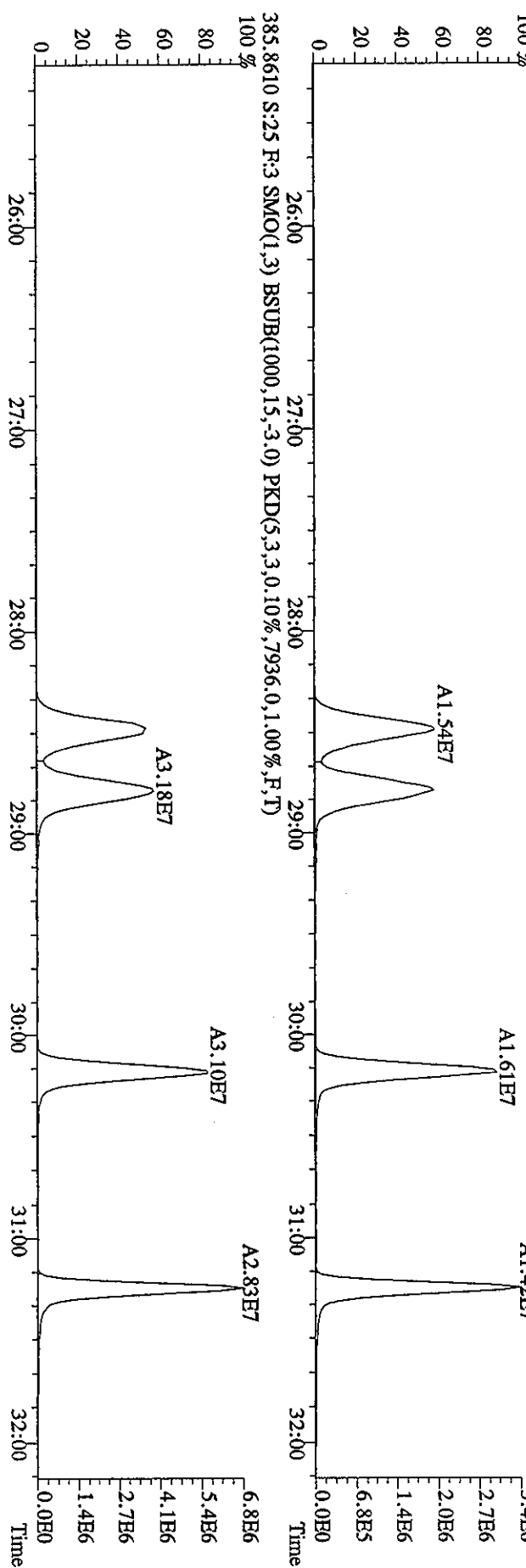
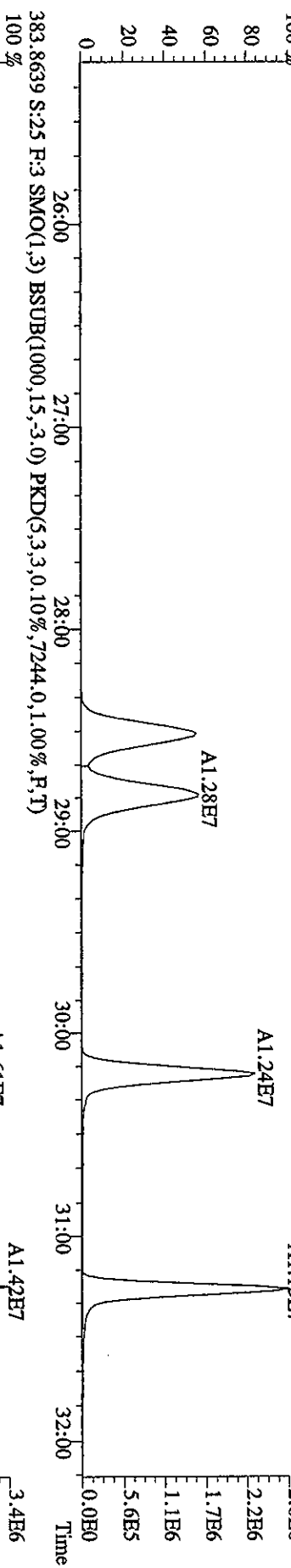
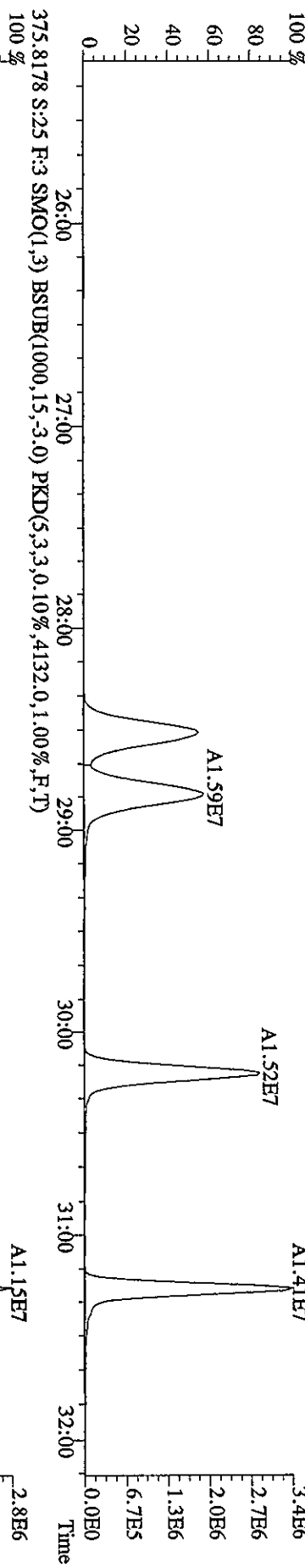
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 339.8597 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3116.0,1.00%,F,T)



File:23MYY06A9D5 #1-491 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#25 Text:H5169-1-AC ;G6E230000-628C Exp:DIOXIN  
 355.8346 S:25 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4408.0,1.00%,F,T)



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 373.8208 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4084.0,1.00%,F,T)

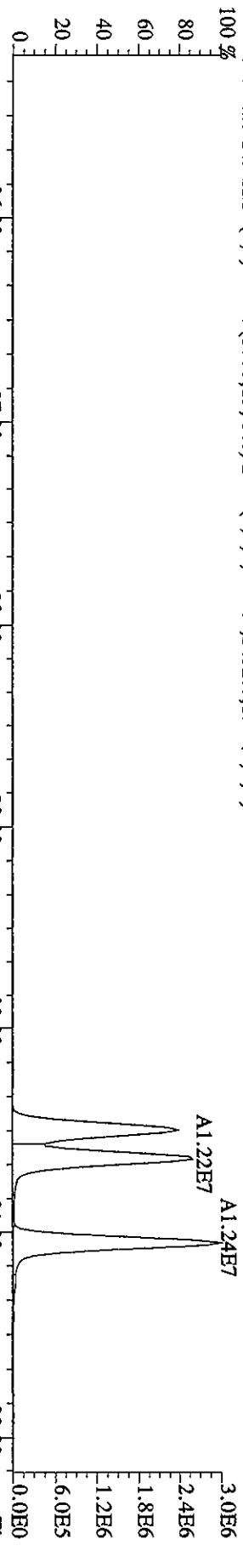


File:25MY06A9D5 #1-528 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaB

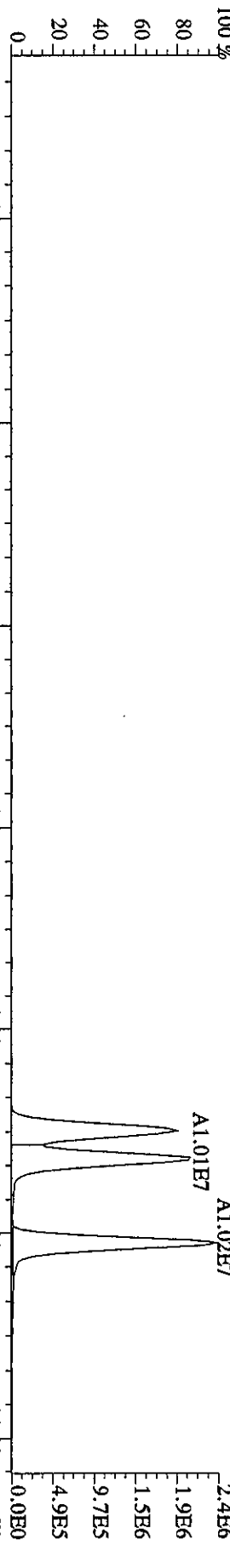
Sample#25 Text:H5169-1-AC :G6E230000-628C

Exp:DIOXIN

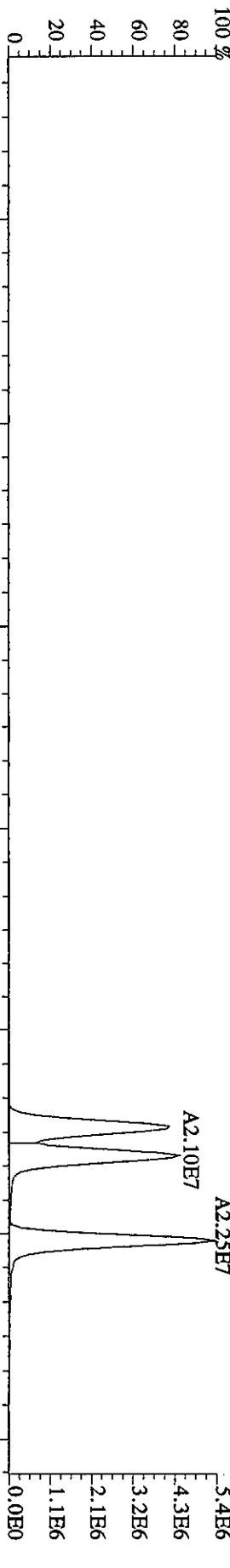
389.8157 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2452.0,1.00%,F,T)



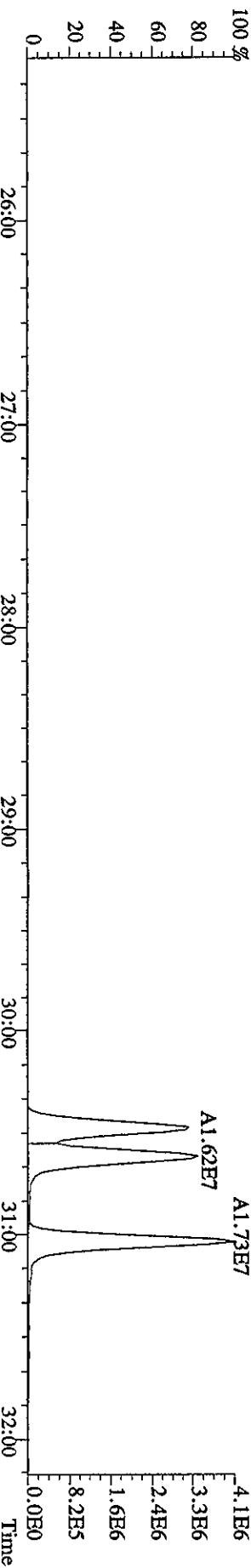
391.8127 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3840.0,1.00%,F,T)



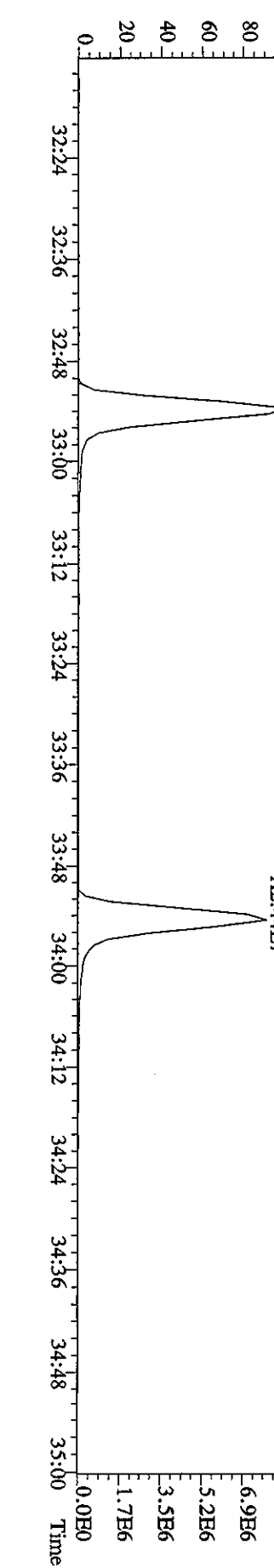
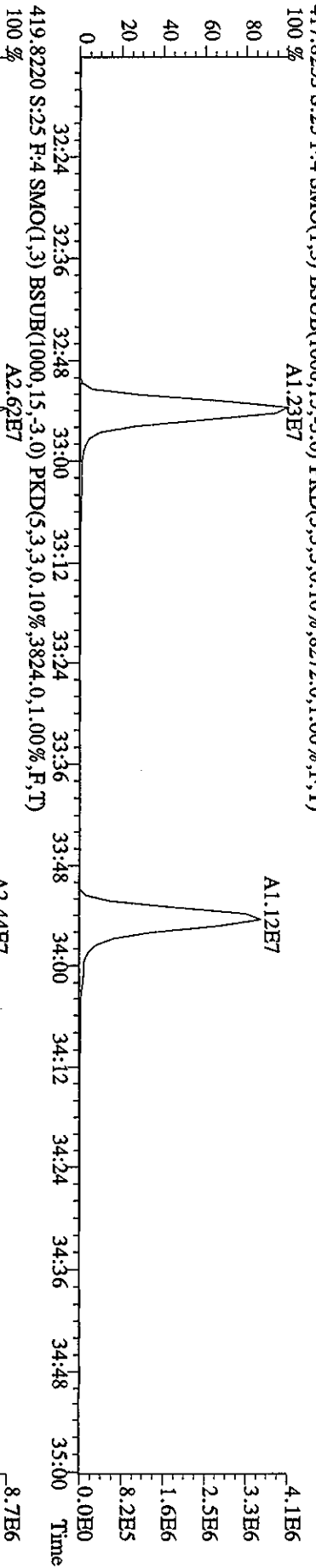
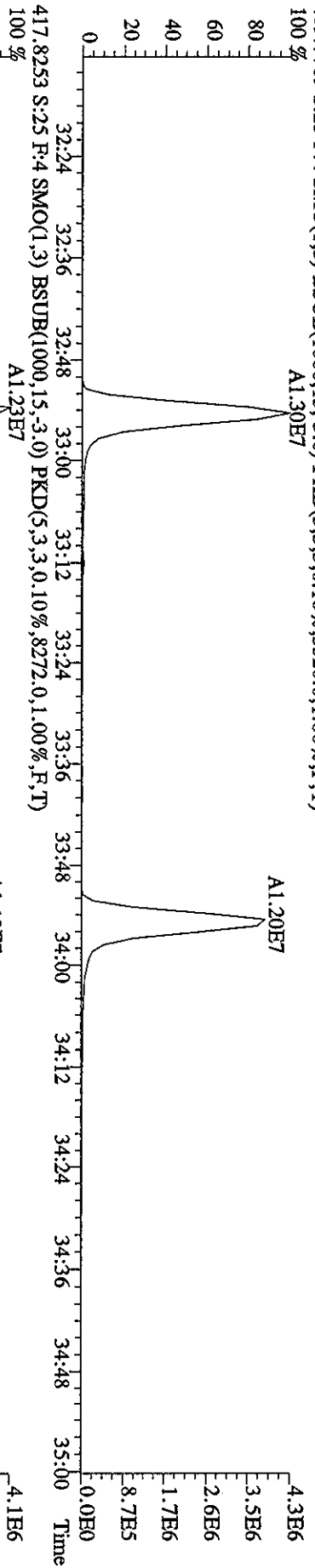
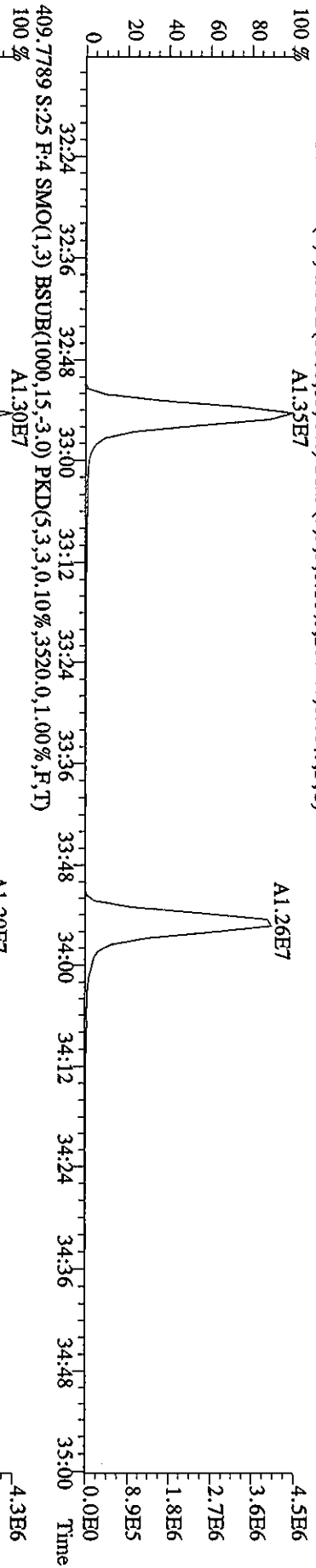
401.8559 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7268.0,1.00%,F,T)



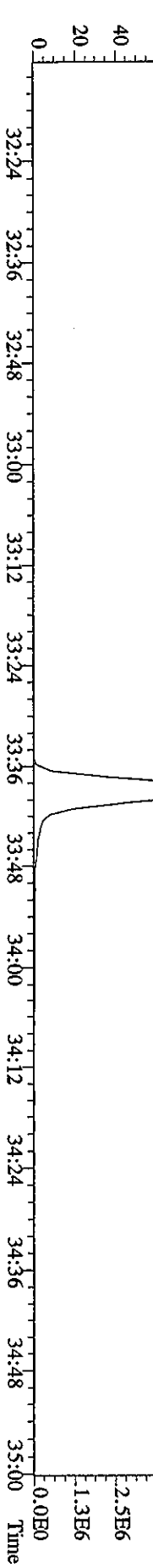
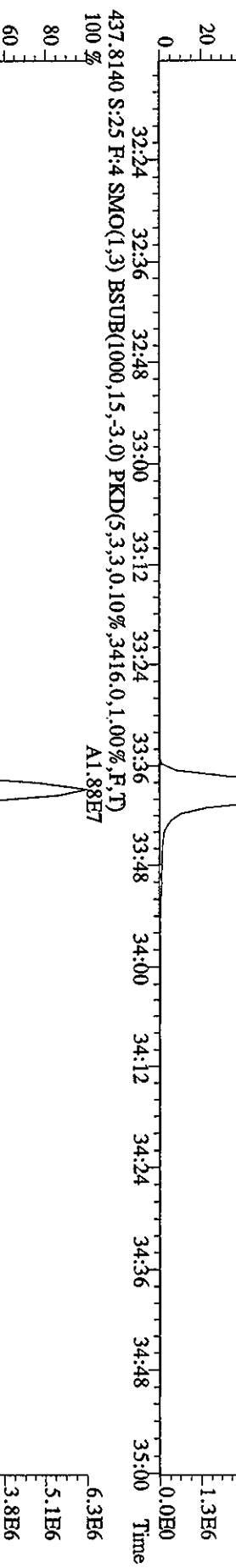
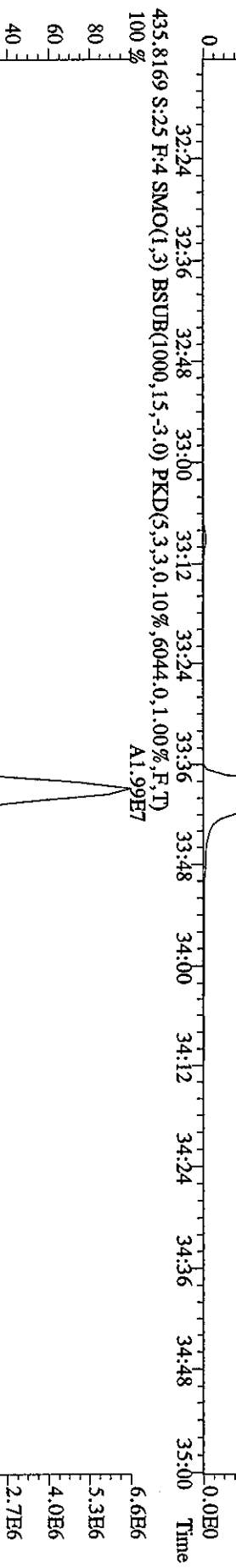
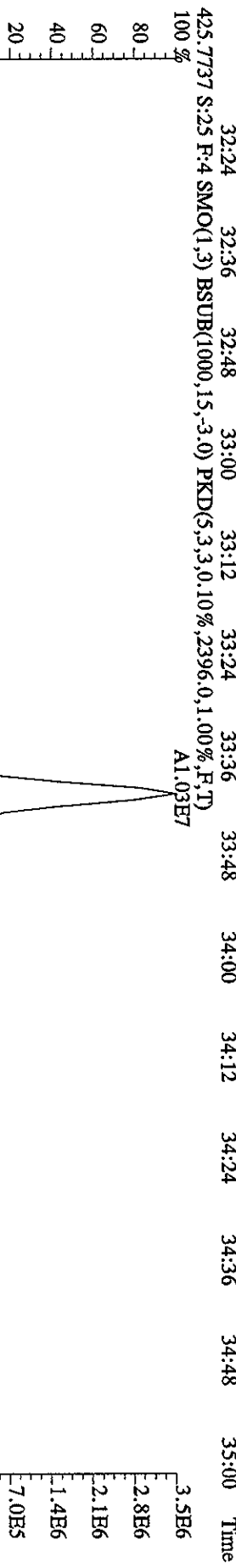
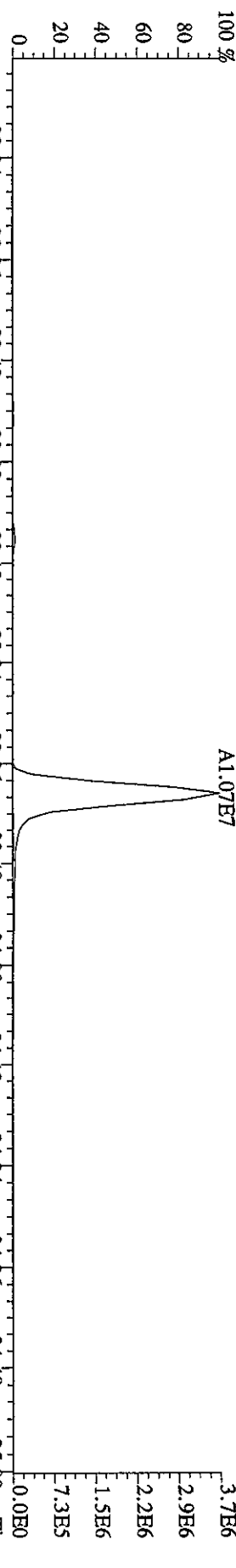
403.8529 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4824.0,1.00%,F,T)



File: 25MY06A9D5 #1-224 Acq: 26-MAY-2006 13:55:28 GC: EI+ Voltage: SIR Autospec: UltimaB  
 Sample# 25 Text: H5169-1-AC : G6E23000-628C Exp: DIOXIN  
 407.7818 S: 25 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2880.0,1.00%,F,T)  
 100%



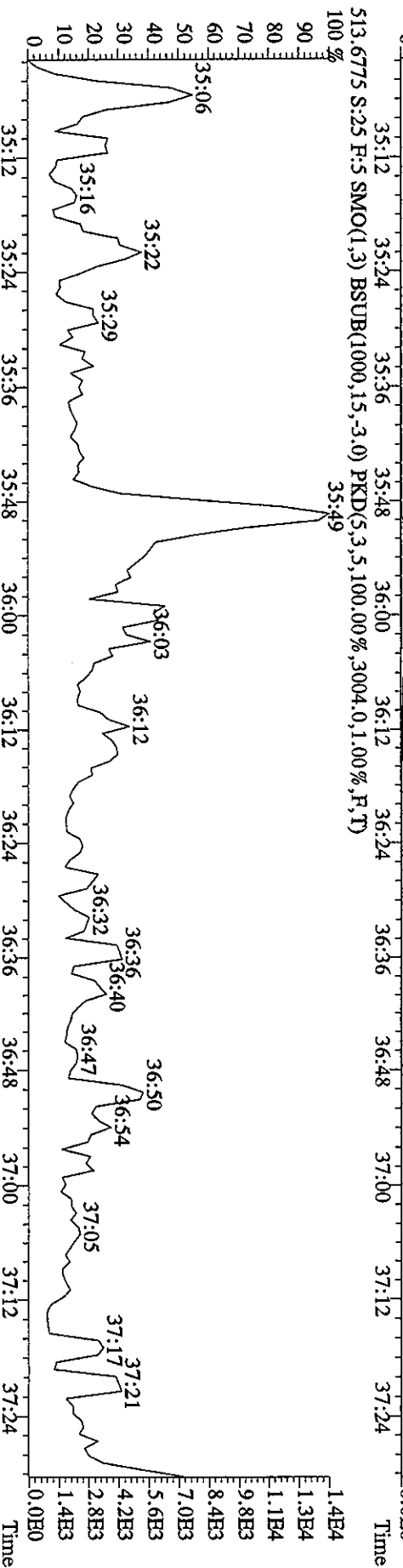
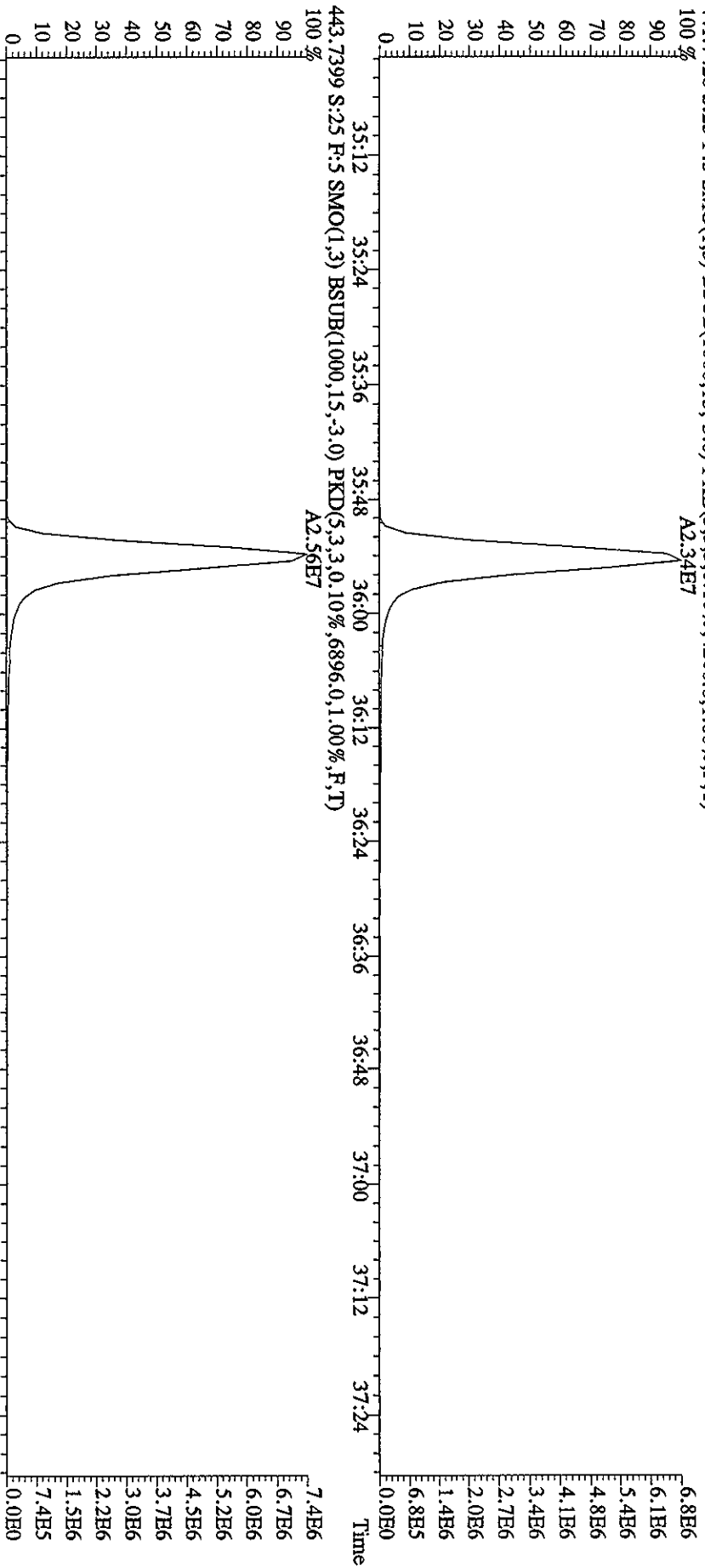
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 423.7766 S:25 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1544.0,1.00%,F,T)  
 100 % A1.07E7



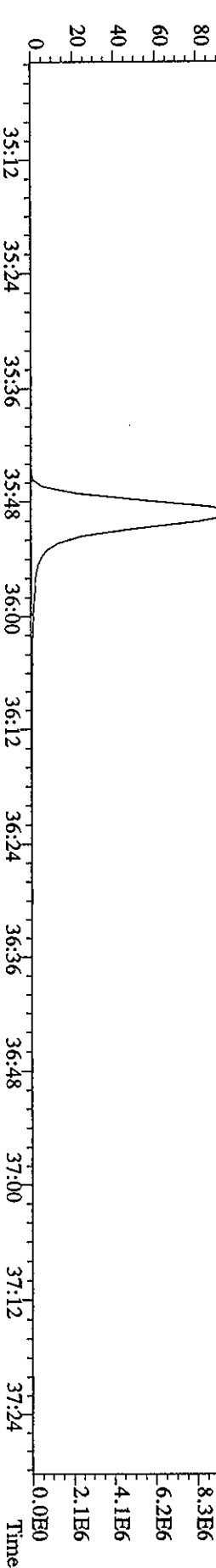
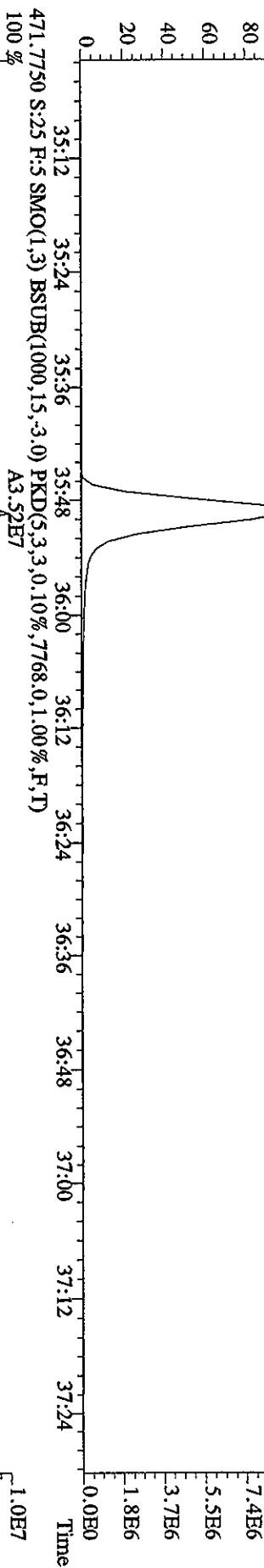
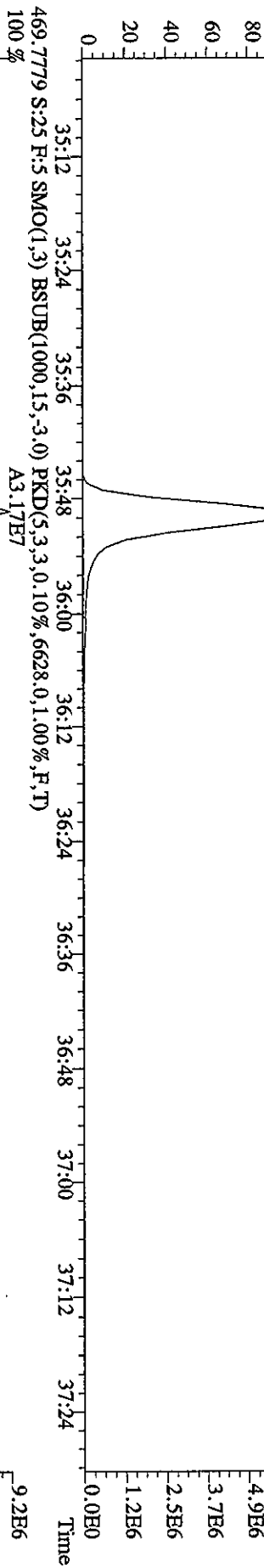
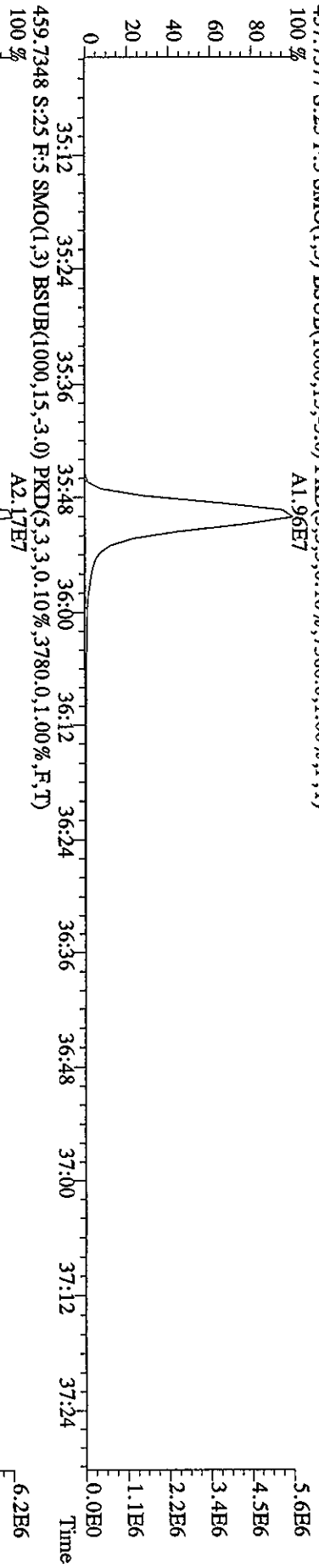
File:25MY06A9D5 #1-201 Acq:26-MAY-2006 13:55:28 GC BI+ Voltage SIR Autospec-Ultimate

Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN

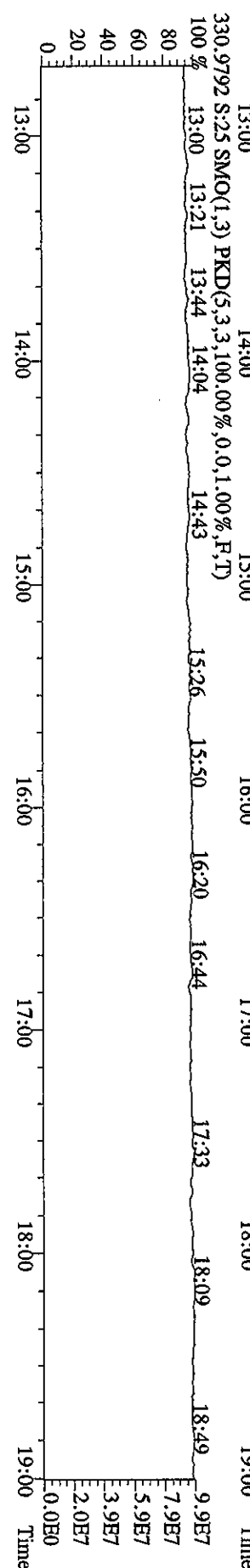
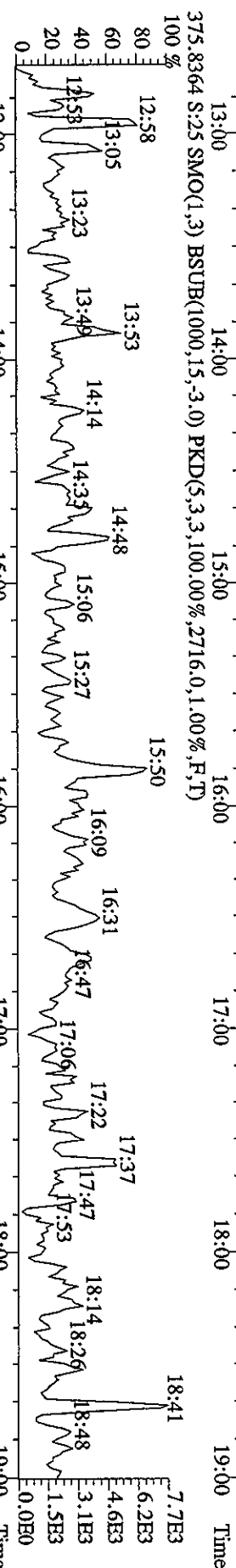
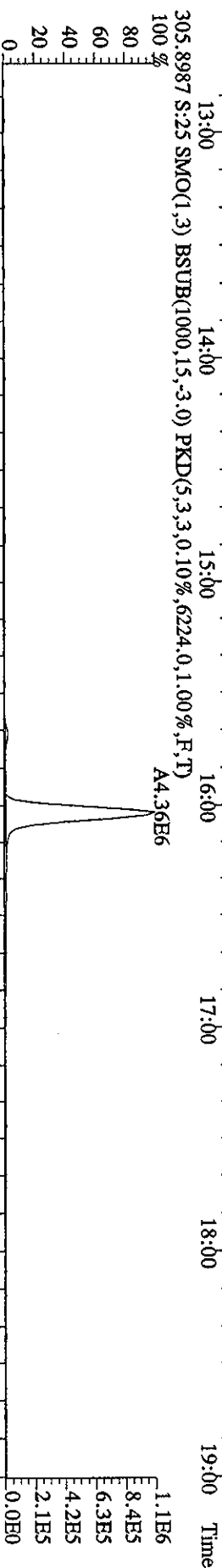
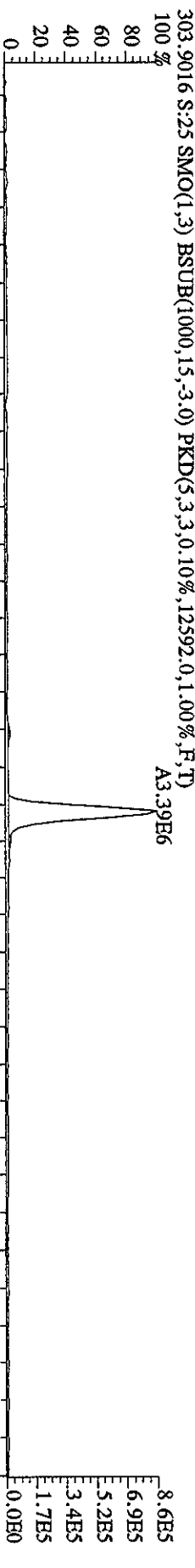
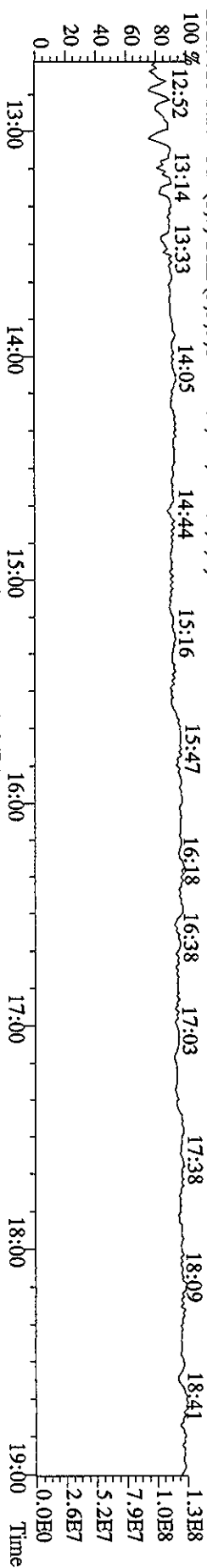
441.7428 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T) A2.34E7



File:25MAY06A9D5 #1-201 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 457.7377 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7560.0,1.00%,F,T)  
 100% A1.96E7



File:25MY06A9D5 #1-439 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN  
 292.9825 S:25 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

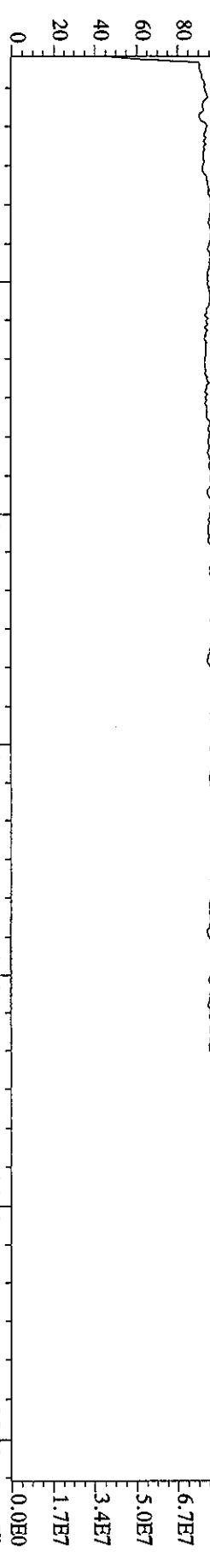


File:25MAY06A9D5 #1-491 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE

Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN

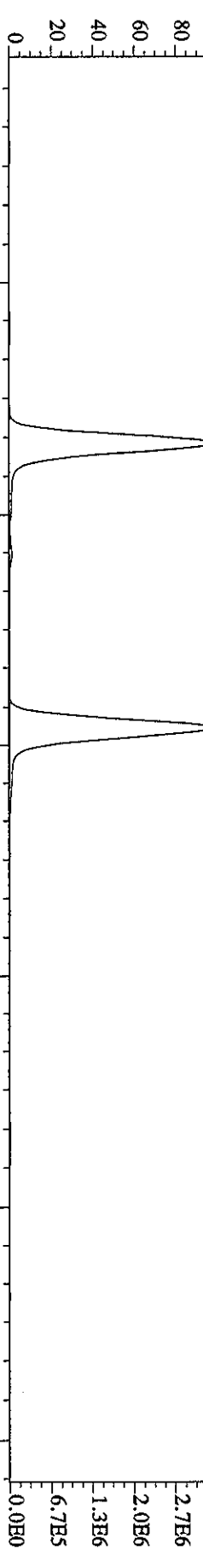
342.9792 S:25 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 19:12 19:40 20:50 21:10 21:46 22:52 23:40 24:01 24:35 25:08 8.4E7



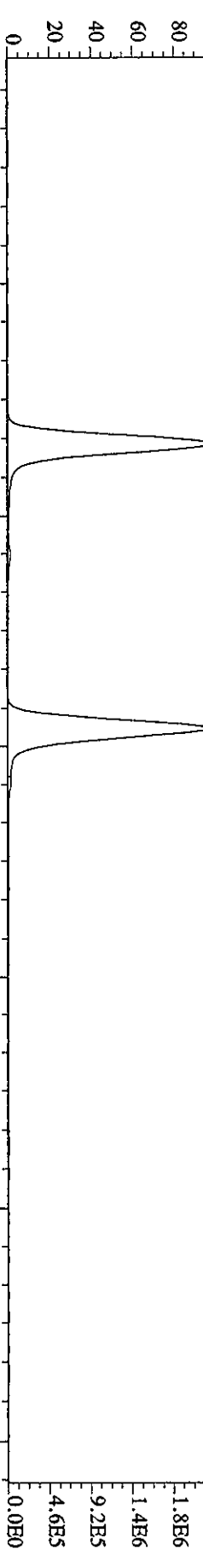
339.8597 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2992.0,1.00%,F,T)

100% A1.85E7 A1.94E7

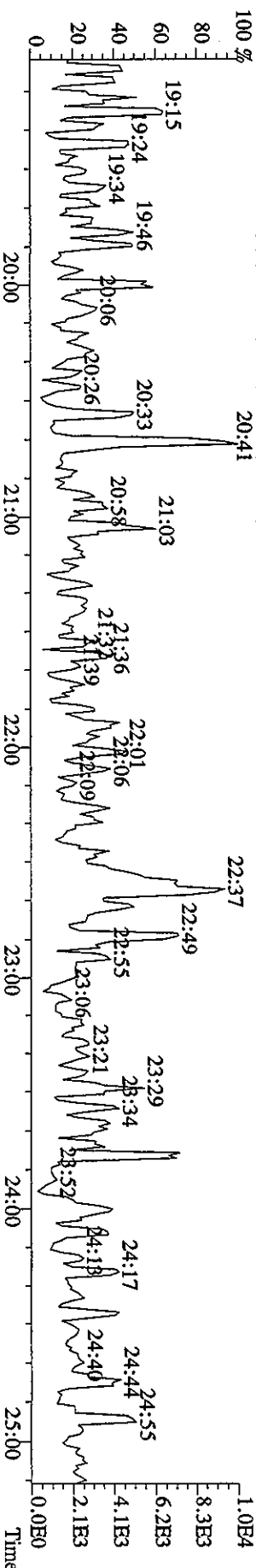


341.8567 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3952.0,1.00%,F,T)

100% A1.25E7 A1.29E7



409.7974 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2748.0,1.00%,F,T)

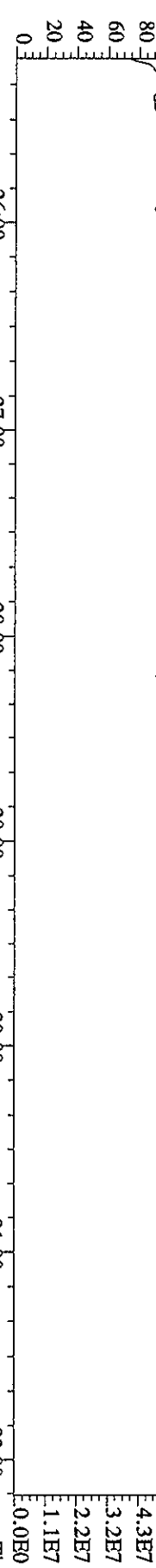


File:25MY06A9D5 #1-528 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE

Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN

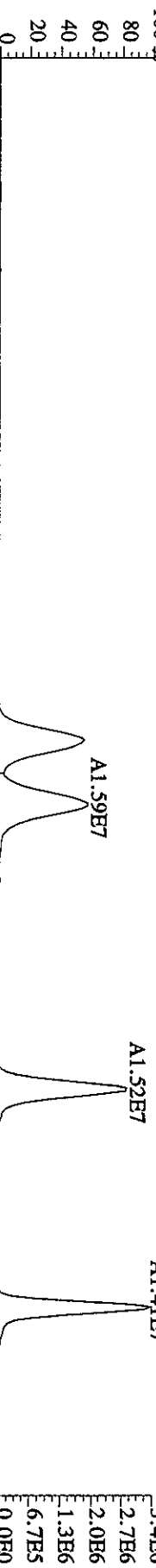
392.9760 S:25 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

25:45 26:10 26:34 27:04 27:27 28:46 29:29 29:54 30:39 31:02 5.4E7 4.3E7 3.2E7 2.2E7 1.1E7 0.0E0



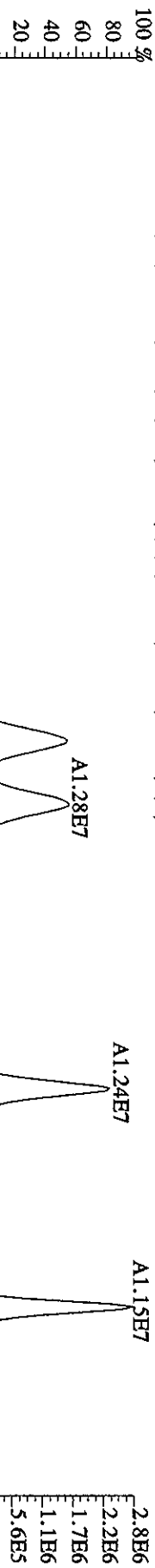
373.8208 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4084.0,1.00%,F,T)

25:22 25:43 26:06 26:36 27:01 27:23 27:46 27:51 28:07 28:28 28:46 29:17 29:35 29:41 30:13 30:28 30:37 31:02 31:11 31:40 31:54 2.8E6 2.2E6 1.7E6 1.1E6 5.6E5 0.0E0



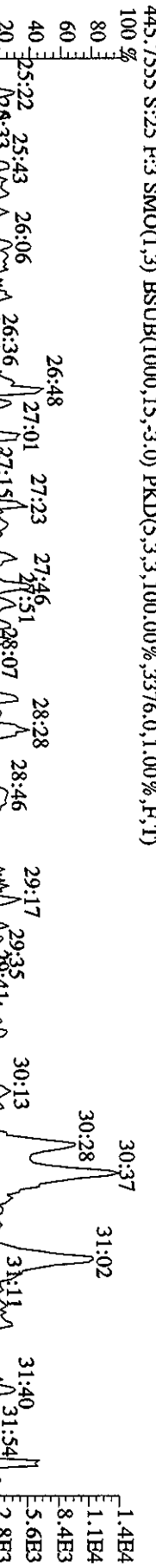
375.8178 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4132.0,1.00%,F,T)

25:22 25:43 26:06 26:36 27:01 27:23 27:46 27:51 28:07 28:28 28:46 29:17 29:35 29:41 30:13 30:28 30:37 31:02 31:11 31:40 31:54 2.8E6 2.2E6 1.7E6 1.1E6 5.6E5 0.0E0



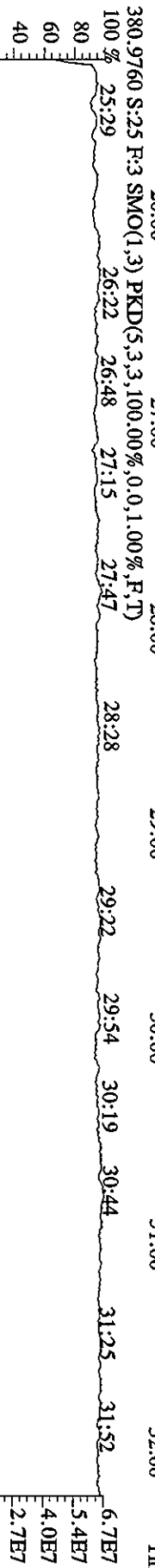
445.7555 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3376.0,1.00%,F,T)

25:22 25:43 26:06 26:36 27:01 27:23 27:46 27:51 28:07 28:28 28:46 29:17 29:35 29:41 30:13 30:28 30:37 31:02 31:11 31:40 31:54 1.4E4 1.1E4 8.4E3 5.6E3 2.8E3 0.0E0



380.9760 S:25 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

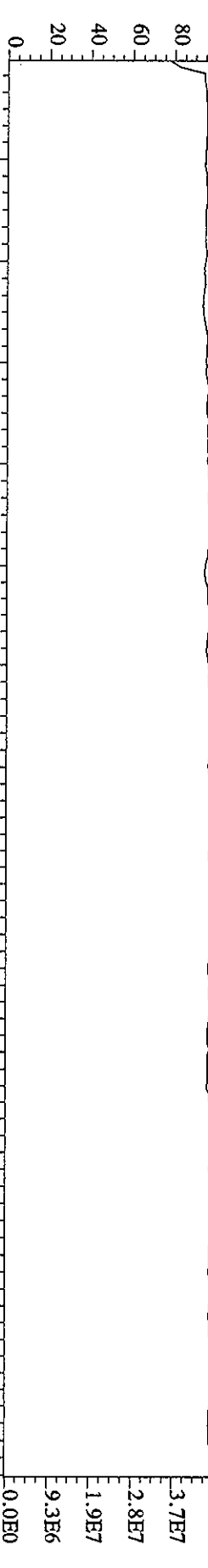
25:22 25:43 26:06 26:36 27:01 27:23 27:46 27:51 28:07 28:28 28:46 29:17 29:35 29:41 30:13 30:28 30:37 31:02 31:11 31:40 31:54 6.7E7 5.4E7 4.0E7 2.7E7 1.3E7 0.0E0



Sample#25 Text:H5169-1-AC :G6E330000-628C Exp:DIOXIN

430.9728 S:25 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

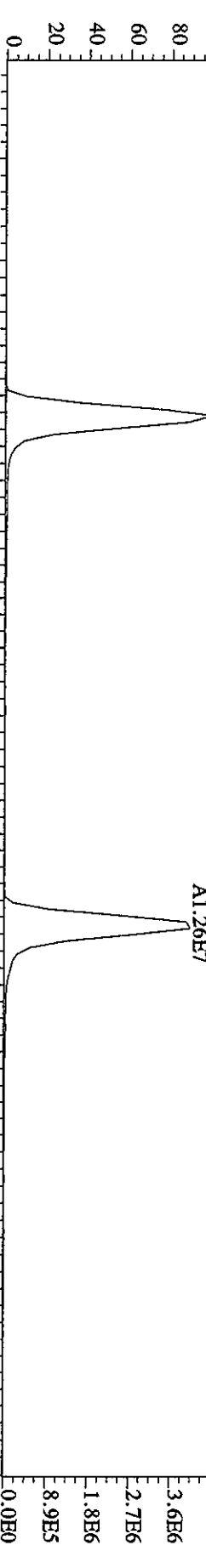
100 % 32:18 32:35 32:51 33:06 33:18 33:38 33:50 34:04 34:16 34:26 34:50



407.7818 S:25 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2880.0,1.00%,F,T)

A1.35E7

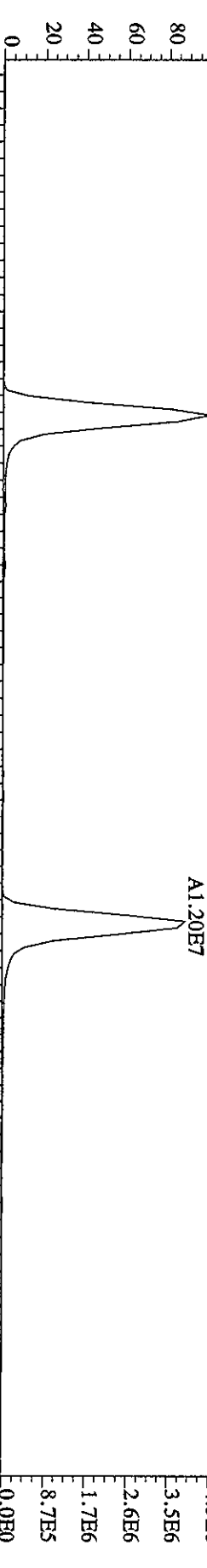
A1.26E7



409.7789 S:25 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3520.0,1.00%,F,T)

A1.30E7

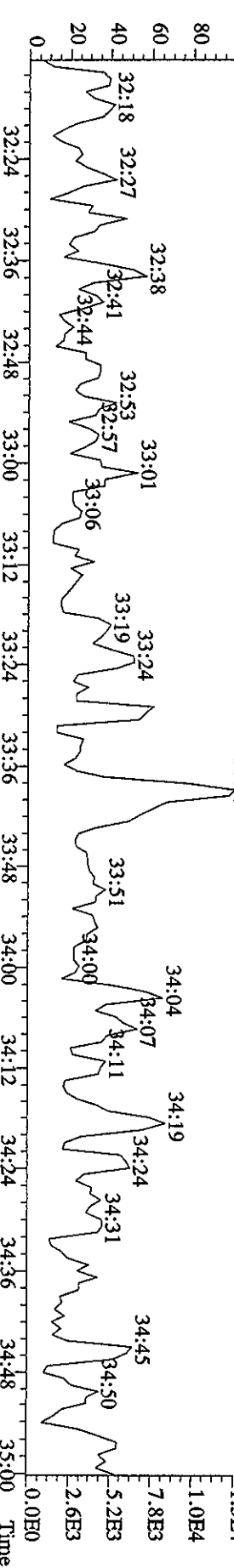
A1.20E7



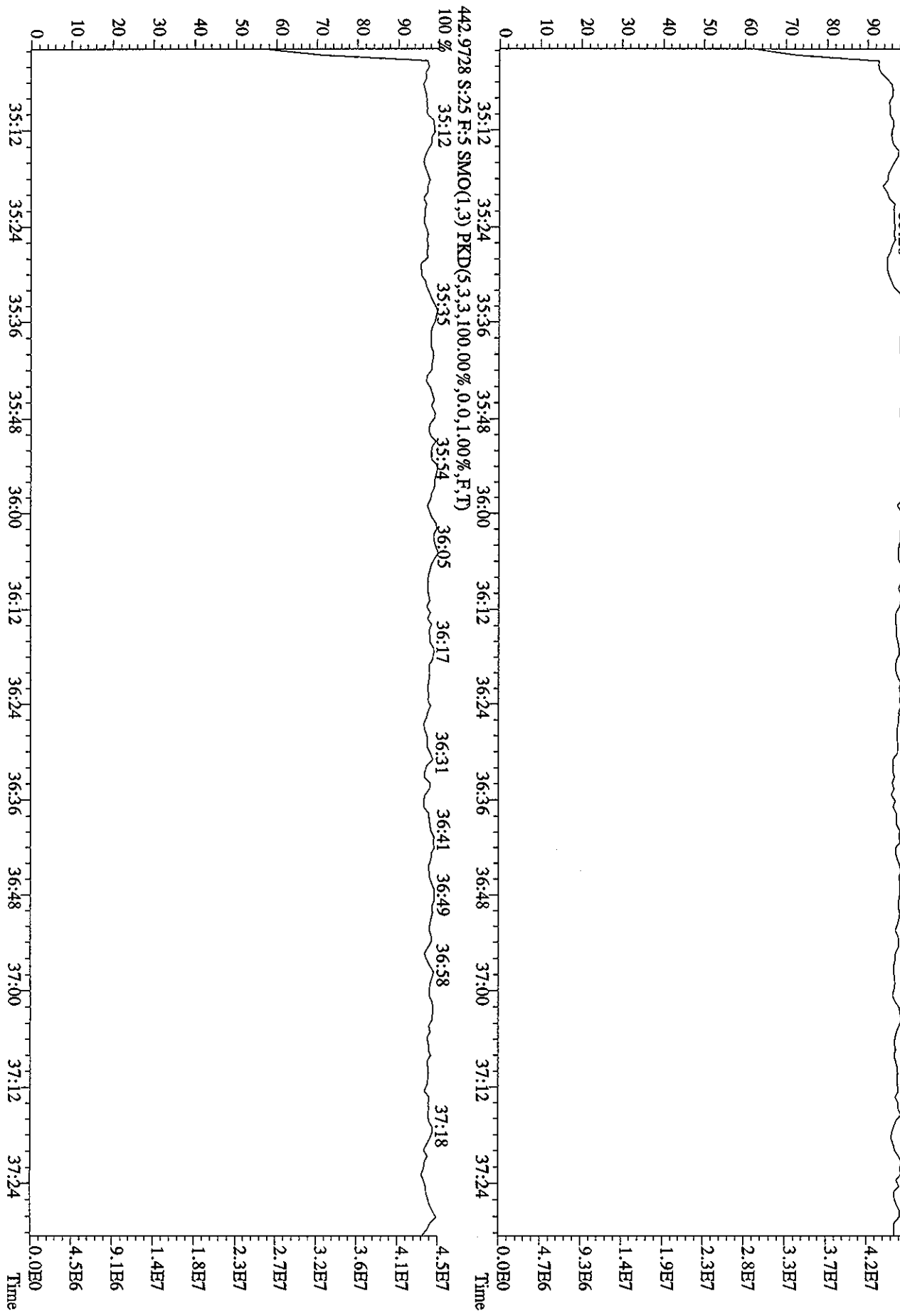
479.7165 S:25 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4616.0,1.00%,F,T)

A1.34E4

A1.0E4



File: 25MAY06A9D5 #1-201 Acq: 26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample# 25 Text: H5169-1-AC : G6E230000-628C Exp: DIOXIN  
 454.9728 S: 25 F: 5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 35:14 35:26 35:43 35:55 36:07 36:21 36:29 36:45 36:54 37:04 37:21



Quantitation Summary STL

Run text: H5169-1-AD  
 = *H6EM1-1-AD*

Sample text: H5169-1-AD :G6E230000-628L

Run #25 Filename: 25MY06A9D5 S: 26 I: 1 Results: 25MY06A9D58290

Acquired: 26-MAY-06 14:37:03 Processed: 26-MAY-06 15:37:37

Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5

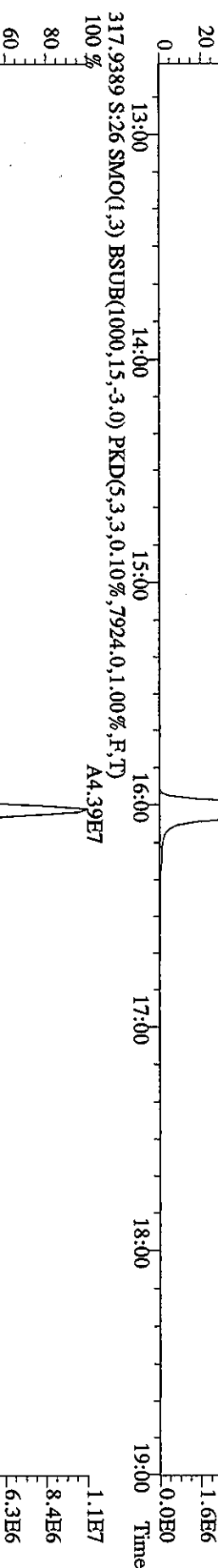
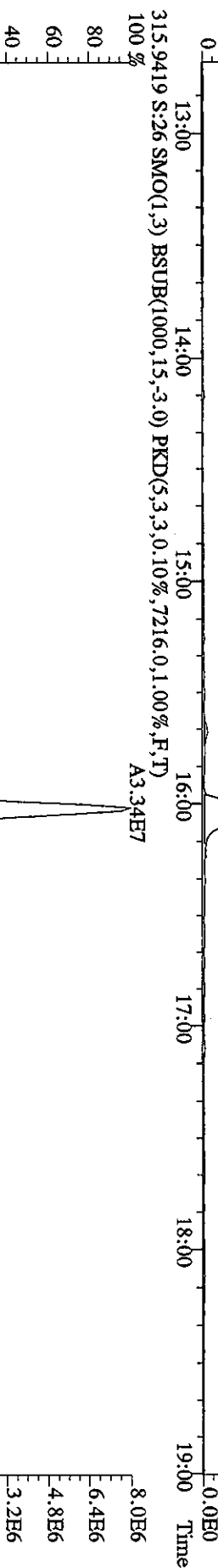
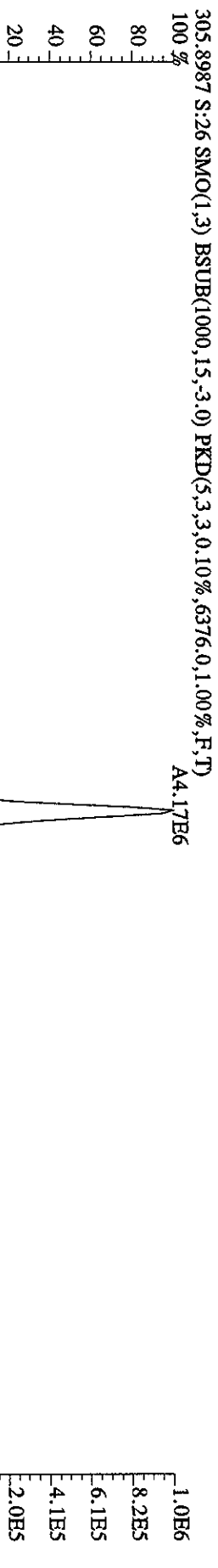
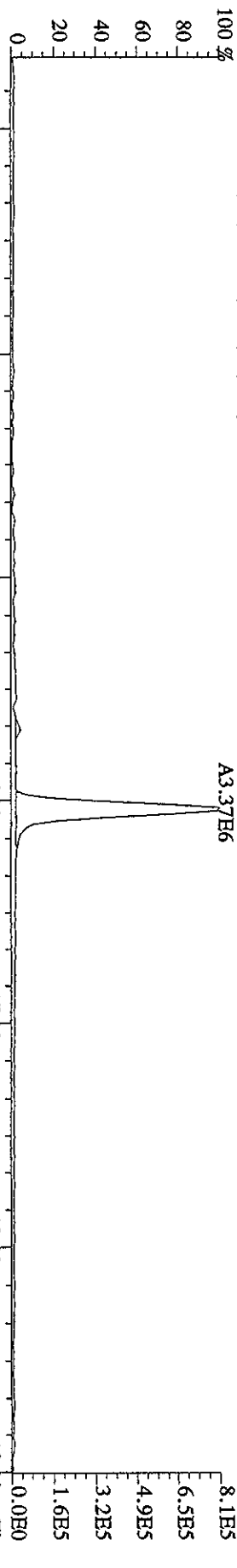
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.000000L

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	57545200	0.79 y	16:31	-	109.35	-	-	n
13C-2,3,7,8-TCDF	77264200	0.76 y	16:01	1.69	1592.66	3.75	79.6	n
2,3,7,8-TCDF	7538650	0.81 y	16:02	1.04	186.97	5.98	-	n
Total TCDF	7676674	0.87 y	15:41	1.04	190.39	5.98	-	n
13C-2,3,7,8-TCDD	48762000	0.77 y	16:41	0.90	1876.30	8.90	93.8	n
2,3,7,8-TCDD	6142410	0.77 y	16:43	1.23	204.41	2.75	-	n
Total TCDD	6188614	3.02 n	16:02	1.23	205.94	2.75	-	n
37Cl-2,3,7,8-TCDD	42570400	1.00 y	16:42	2.21	669.25	2.19	83.7	n
13C-1,2,3,7,8-PeCDF	65100700	1.52 y	20:41	1.25	1807.27	4.12	90.4	n
1,2,3,7,8-PeCDF	31594100	1.49 y	20:41	0.91	1072.36	3.50	-	n
2,3,4,7,8-PeCDF	32939200	1.46 y	21:55	0.95	1065.00	3.34	-	n
Total F2 PeCDF	65276164	2.31 n	19:28	0.93	2161.96	3.42	-	n
Total F1 PeCDF	*	* n	NotFnd	0.93	*	4.24	-	n
13C-1,2,3,7,8-PeCDD	36601800	1.55 y	22:34	0.66	1924.20	4.62	96.2	n
1,2,3,7,8-PeCDD	23802880	1.56 y	22:36	1.16	1120.70	5.09	-	n
Total PeCDD	23866369	1.78 n	21:14	1.16	1123.69	5.09	-	n
13C-1,2,3,7,8,9-HxCDD	40844700	1.33 y	31:02	-	127.57	-	-	n
13C-1,2,3,4,7,8-HxCDF	46317700	0.51 y	28:29	1.41	1611.94	8.66	80.6	n
1,2,3,4,7,8-HxCDF	27956400	1.23 y	28:31	1.04	1161.07	8.31	-	n
1,2,3,6,7,8-HxCDF	29977000	1.23 y	28:49	1.13	1141.07	7.62	-	n
2,3,4,6,7,8-HxCDF	28361500	1.16 y	30:12	1.01	1215.85	8.58	-	n
1,2,3,7,8,9-HxCDF	25269800	1.23 y	31:16	0.93	1171.67	9.28	-	n
Total HxCDF	111564700	1.23 y	28:31	1.03	4689.65	8.40	-	n
13C-1,2,3,6,7,8-HxCDD	39278500	1.22 y	30:37	0.99	1935.21	7.07	96.8	n
1,2,3,4,7,8-HxCDD	20922970	1.20 y	30:30	0.94	1135.57	4.97	-	n
1,2,3,6,7,8-HxCDD	22265200	1.20 y	30:38	1.05	1075.06	4.43	-	n
1,2,3,7,8,9-HxCDD	23288200	1.19 y	31:03	1.07	1109.87	4.37	-	n
Total HxCDD	66476370	1.20 y	30:30	1.02	3320.50	4.57	-	n
13C-1,2,3,4,6,7,8-HpCDF	38642800	0.45 y	32:54	1.18	1603.65	8.75	80.2	n
1,2,3,4,6,7,8-HpCDF	26388300	1.09 y	32:54	1.27	1071.53	2.48	-	n
1,2,3,4,7,8,9-HpCDF	24136000	1.05 y	33:55	1.10	1137.15	2.88	-	n
Total HpCDF	50789396	1.09 y	32:54	1.19	2220.24	2.66	-	n
13C-1,2,3,4,6,7,8-HpCDD	39505600	1.08 y	33:39	1.07	1813.96	8.37	90.7	n
1,2,3,4,6,7,8-HpCDD	20950400	1.05 y	33:40	0.95	1114.60	3.59	-	n
Total HpCDD	21383790	2.65 n	32:54	0.95	1137.66	3.59	-	n
13C-OCDD	67727800	0.91 y	35:49	0.80	4166.40	8.74	104.2	n

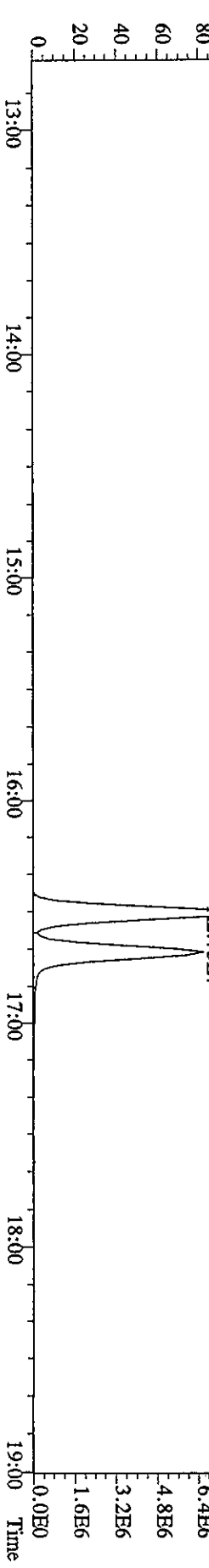
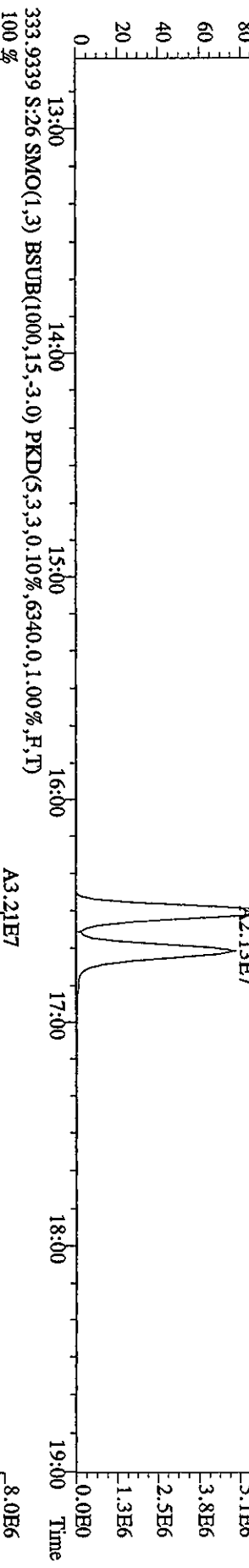
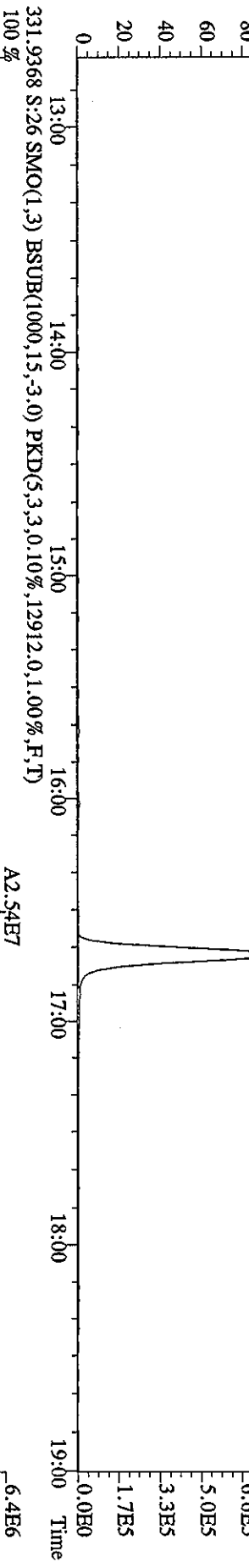
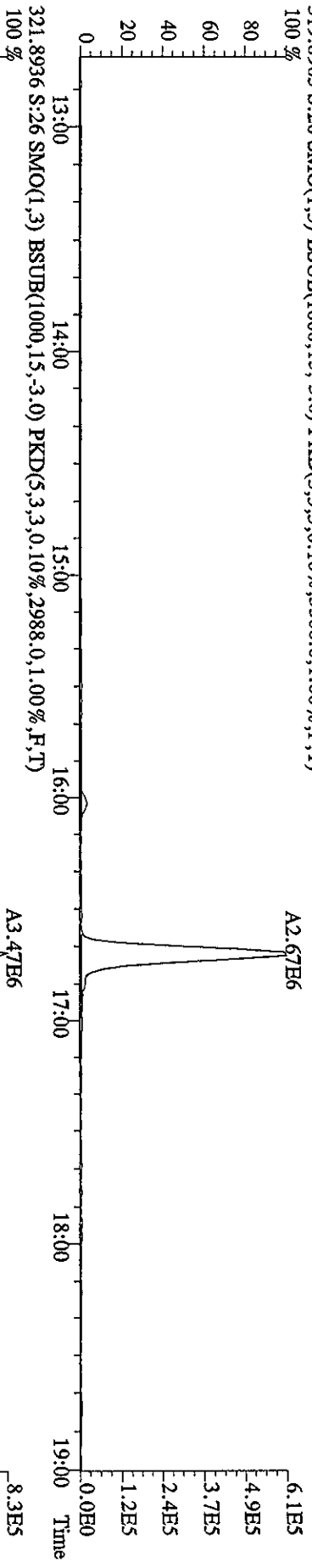
*Handwritten signature and date: 5/28/06*

OCDF	47740800	0.90	y	35:55	1.36	2077.19	4.76	-	n
OCDD	40598300	0.90	y	35:50	1.05	2292.54	7.39	-	n

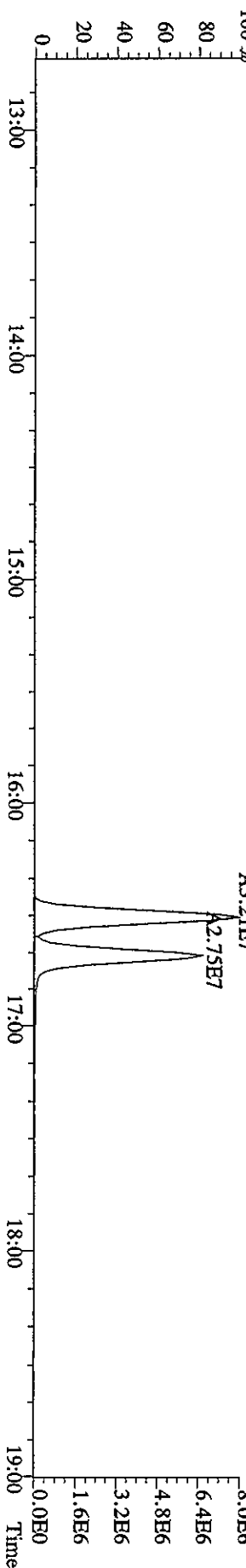
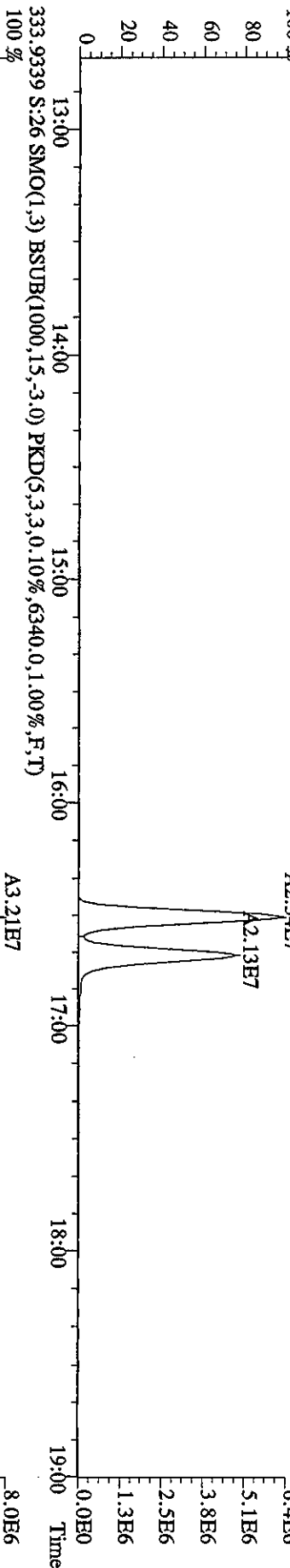
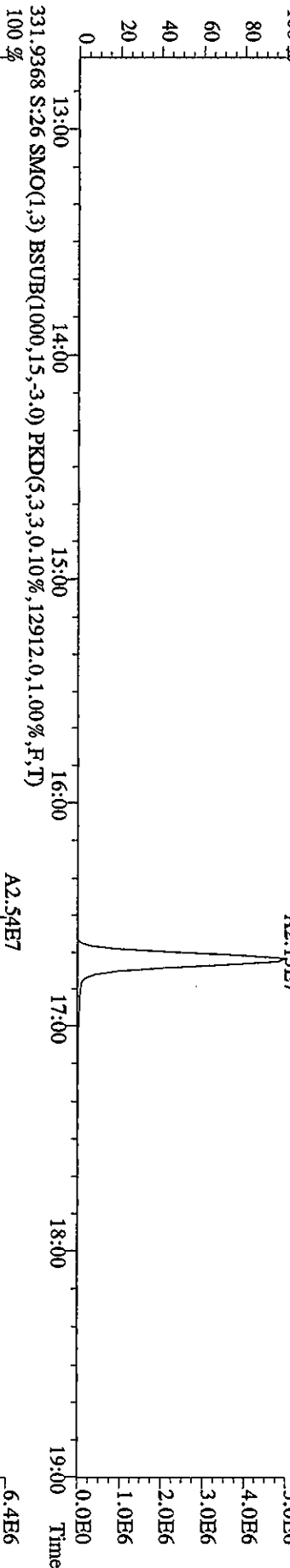
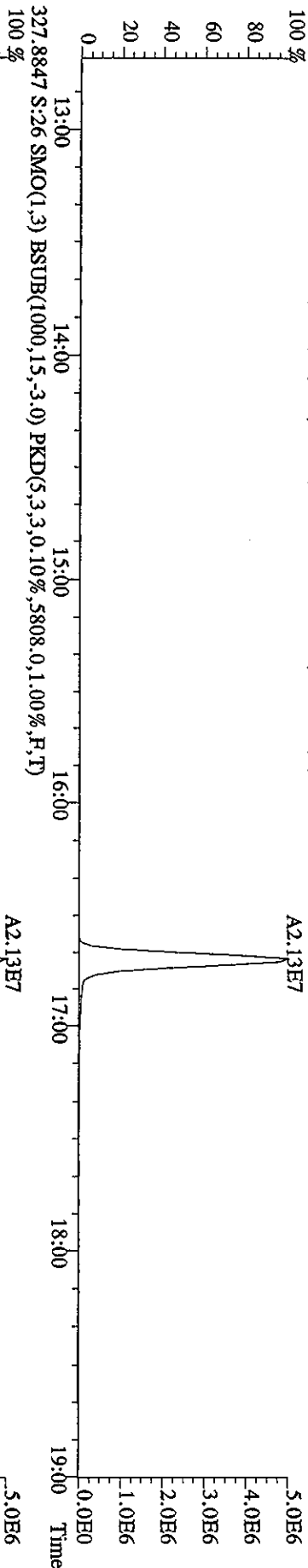
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN  
303.9016 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12888.0,1.00%,F,T)



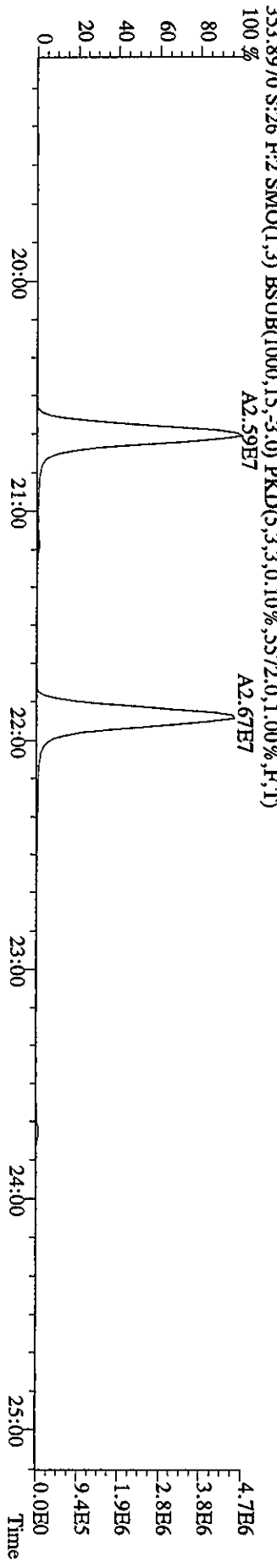
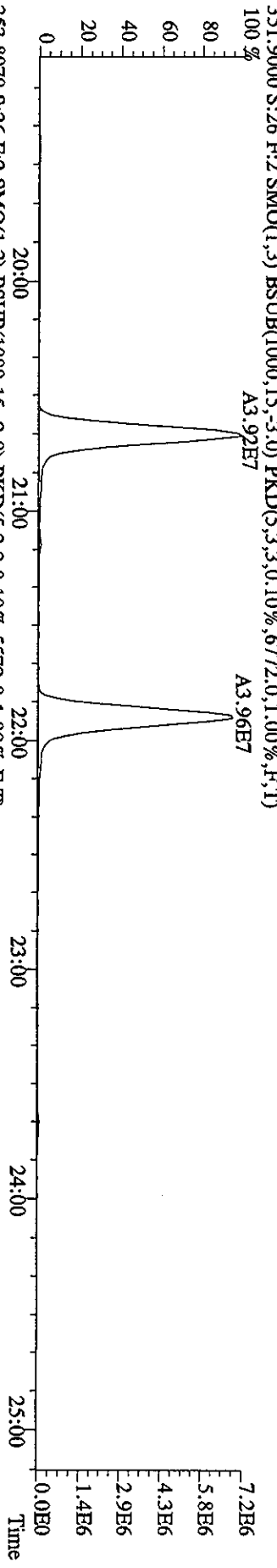
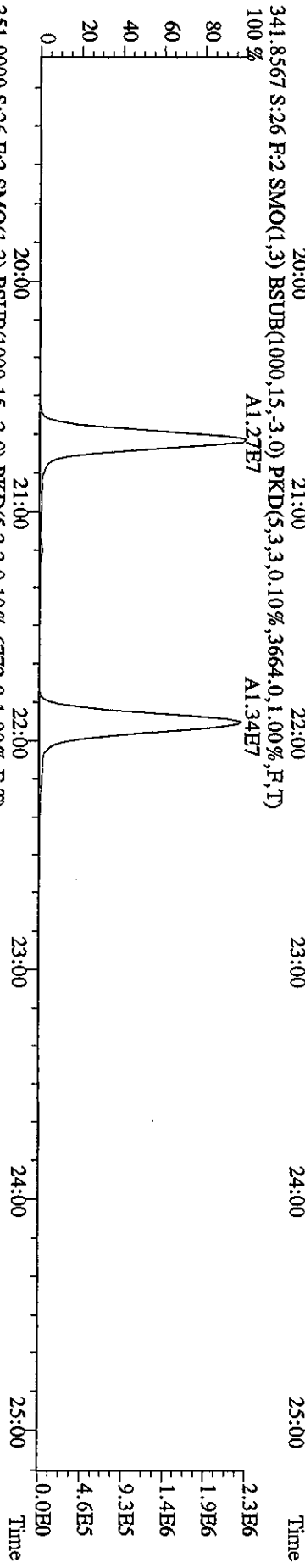
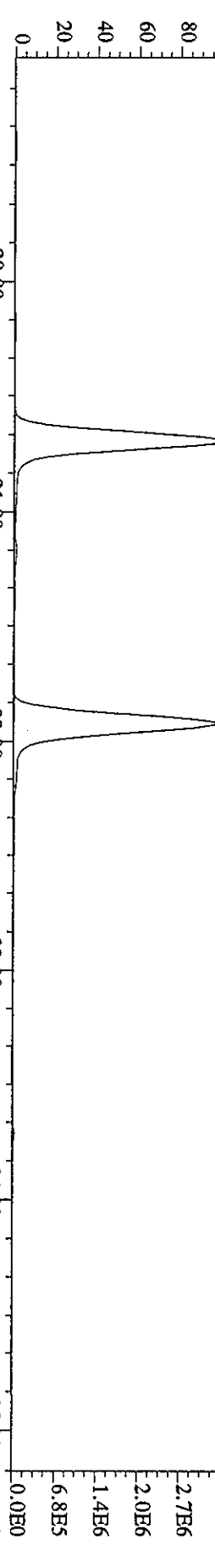
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 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN  
 319.8965 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3500.0,1.00%,F,T)  
 100 %



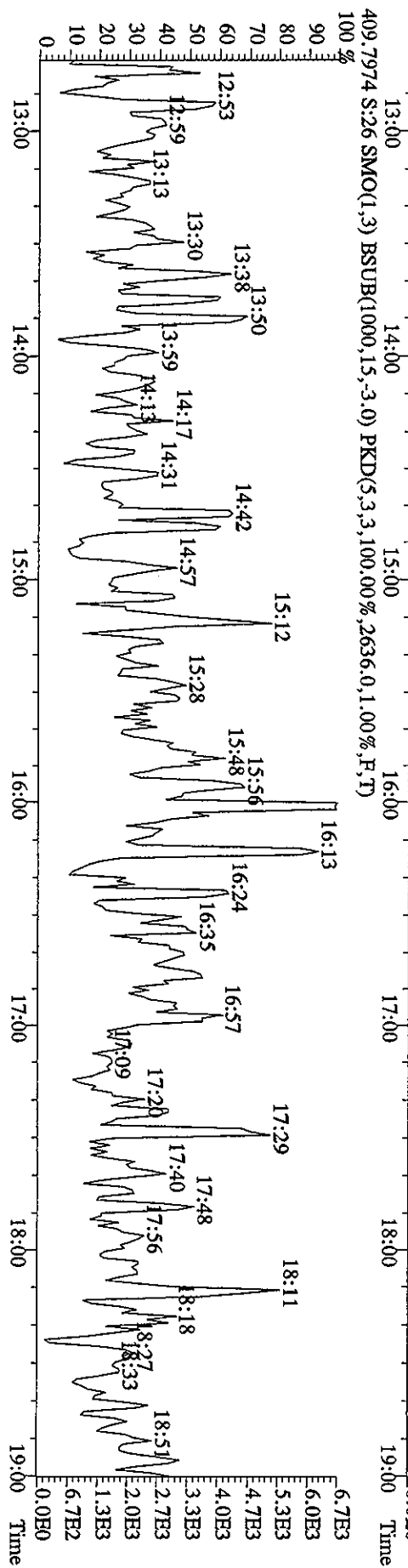
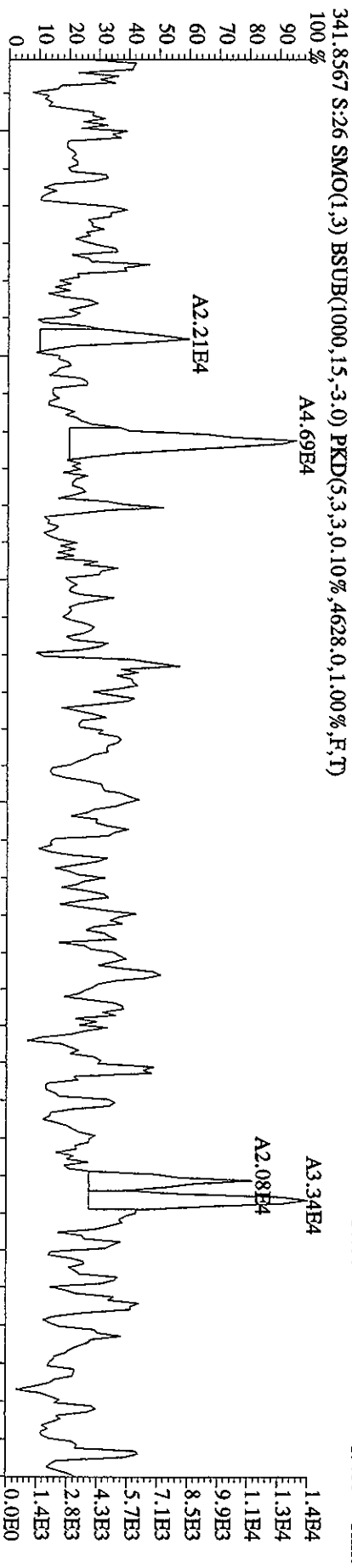
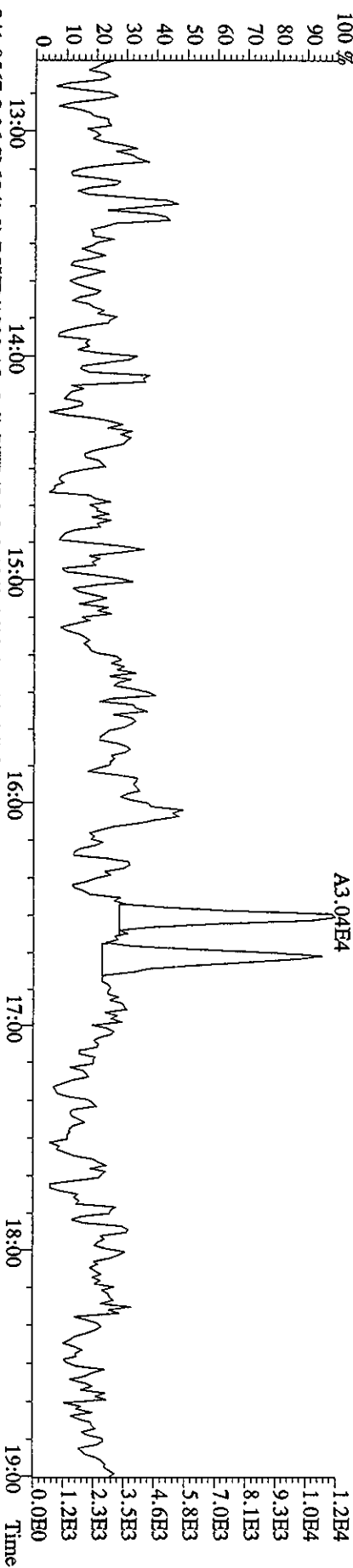
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 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN  
 327,8847 S:26 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0,10%,5808,0,1,00%,F,T)



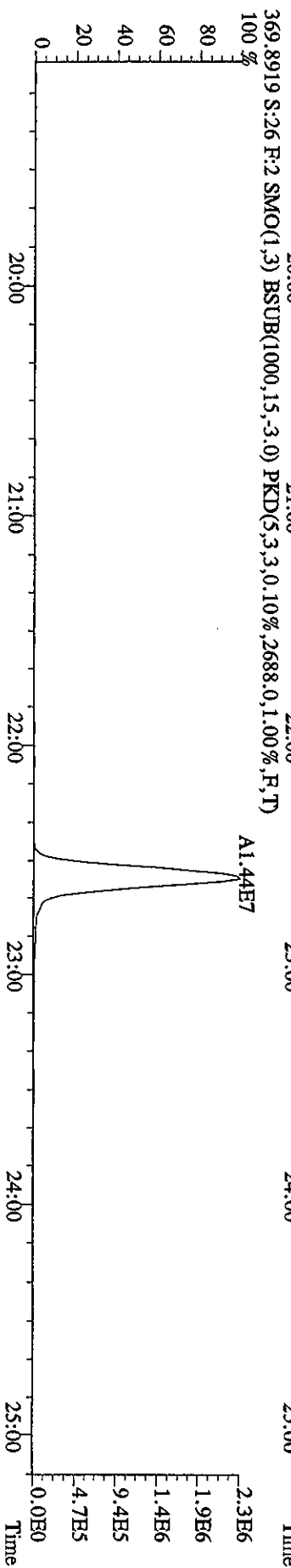
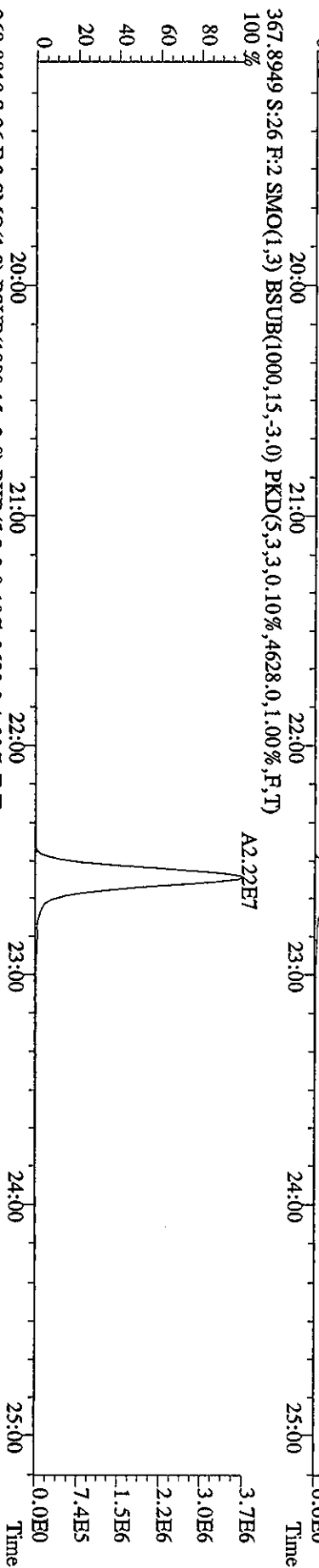
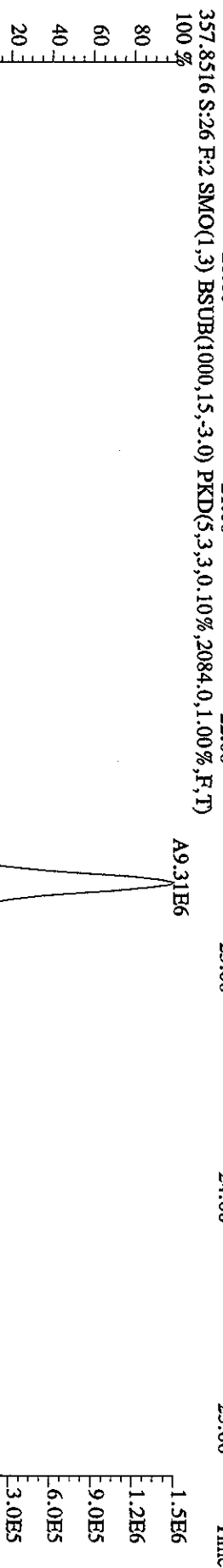
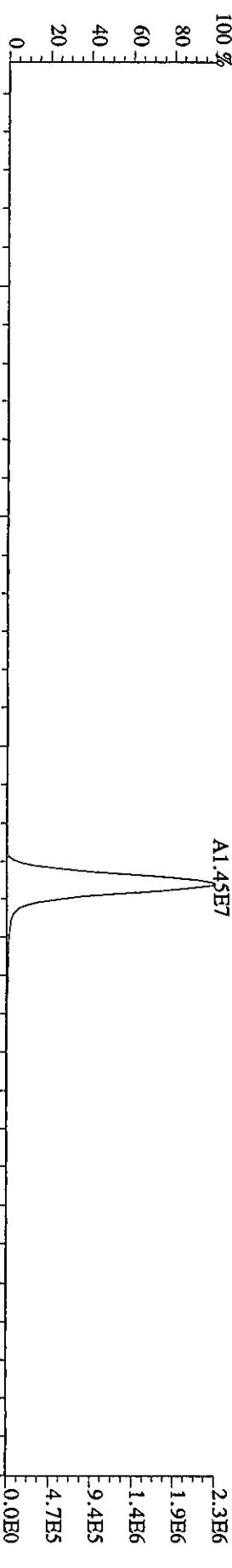
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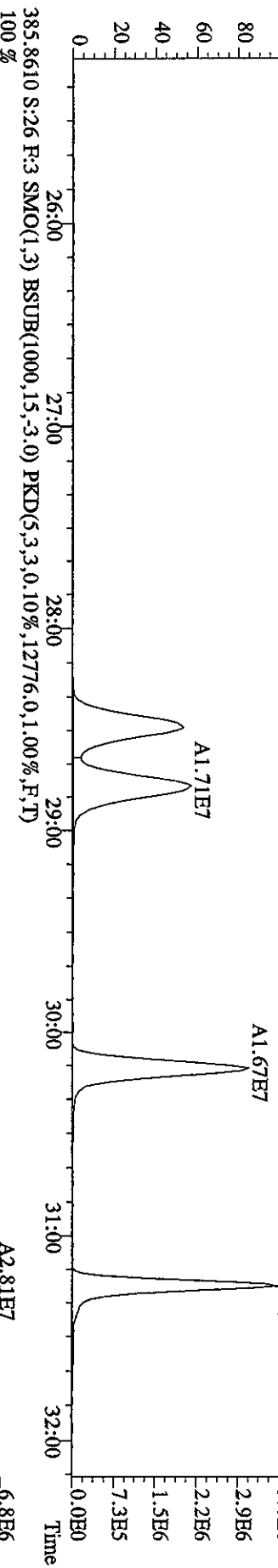
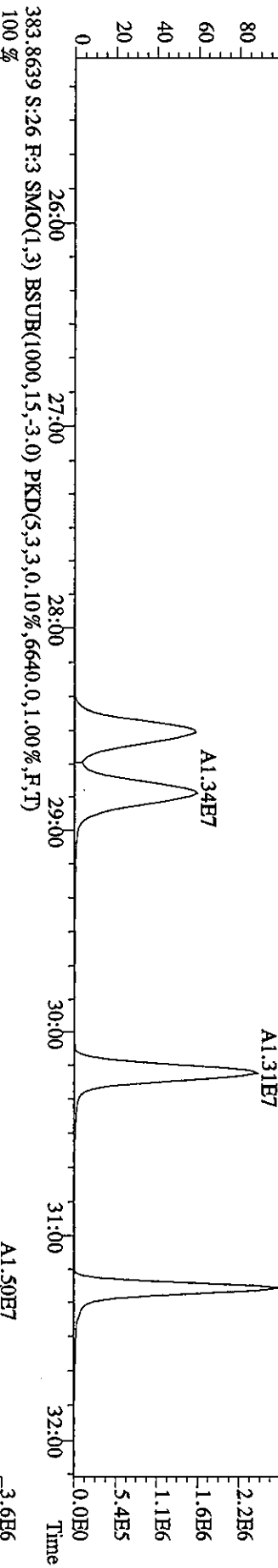
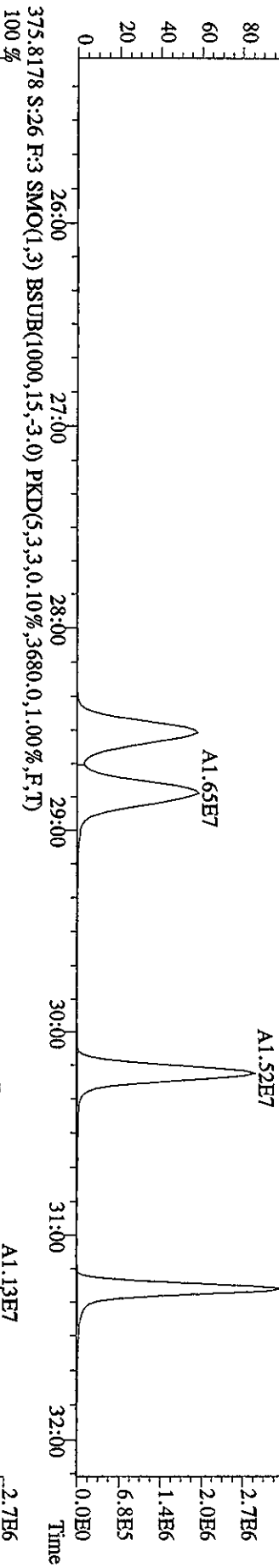
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#26 Text:HS169-1-AD :G6E230000-628L Exp:DIOXIN  
 339.8597 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3172.0,1.00%,F,T)



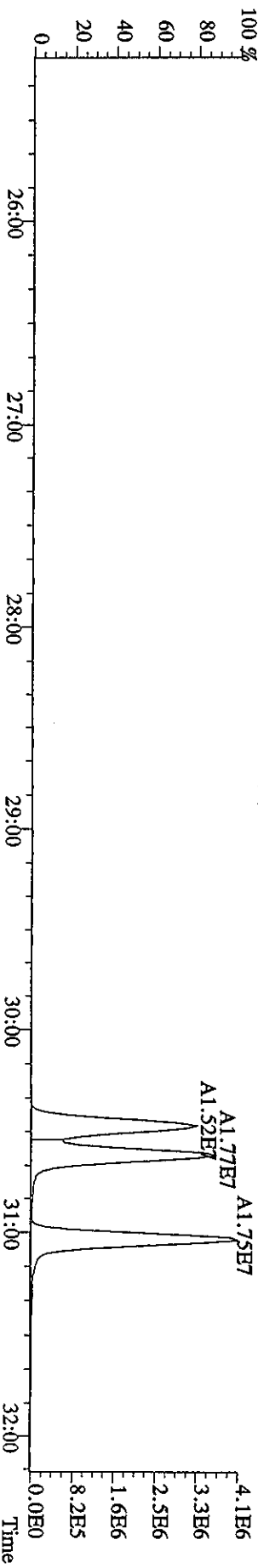
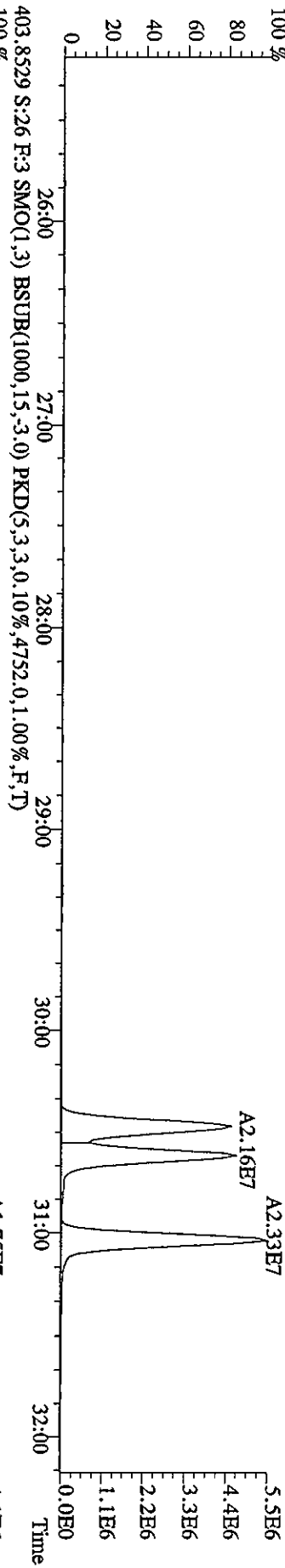
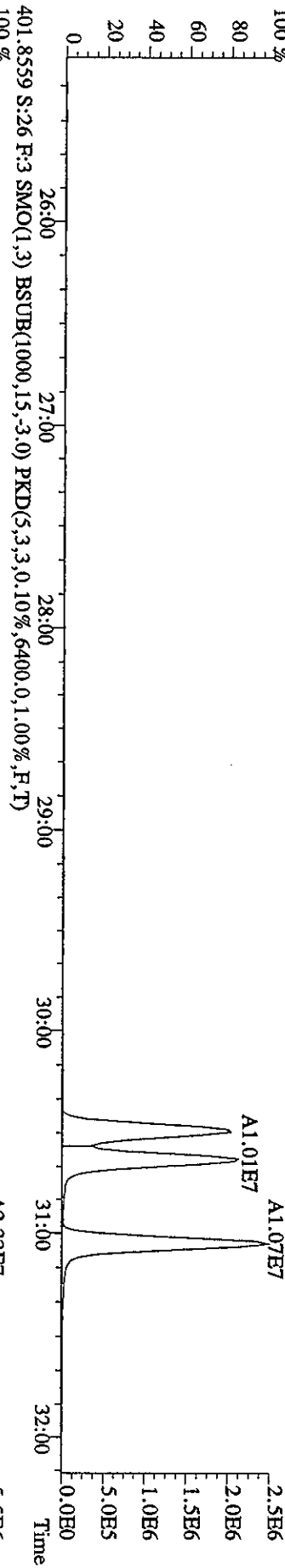
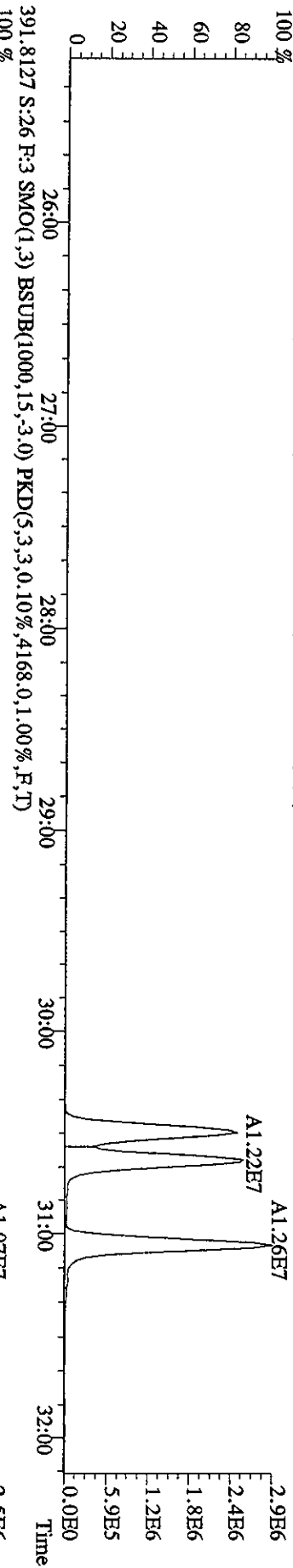
File:25MAY06A9D5 #1-490 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN  
 355.8546 S:26 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3828.0,1.00%,F,T)



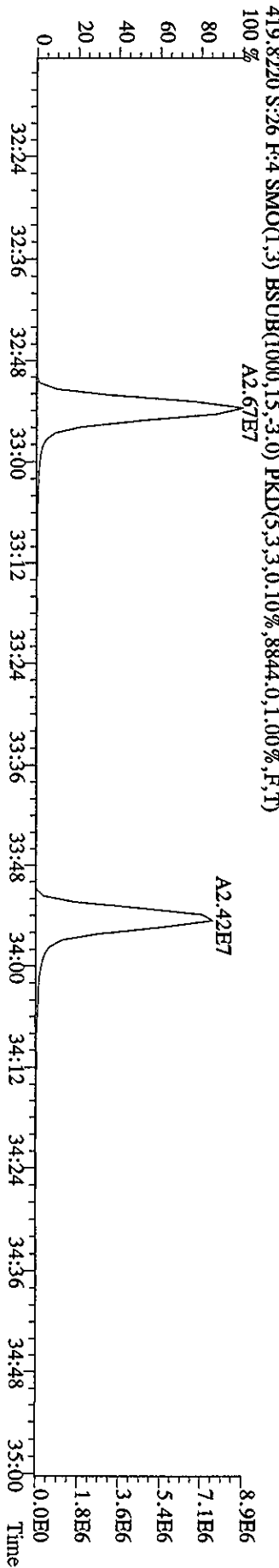
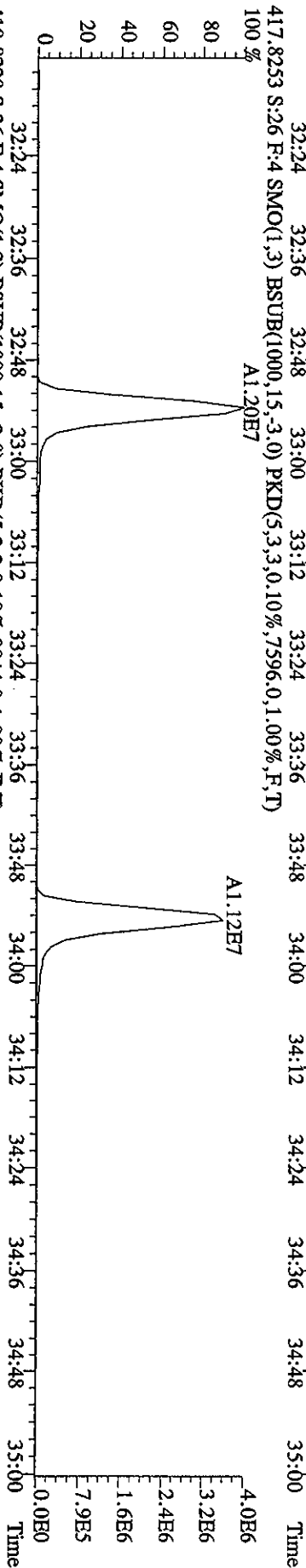
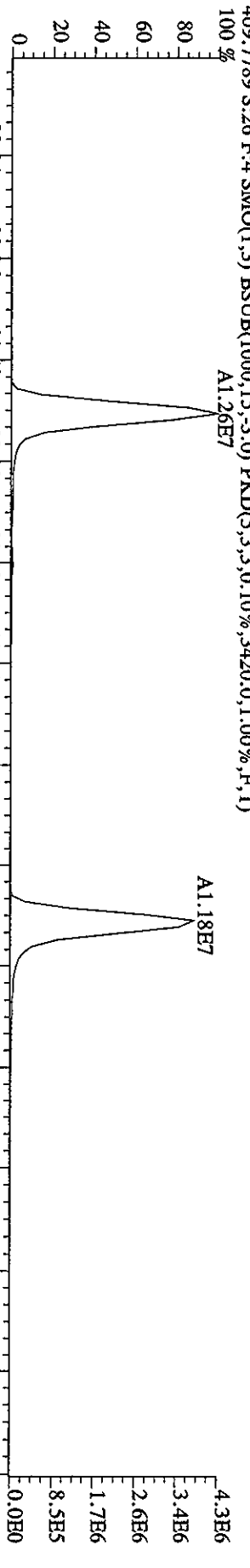
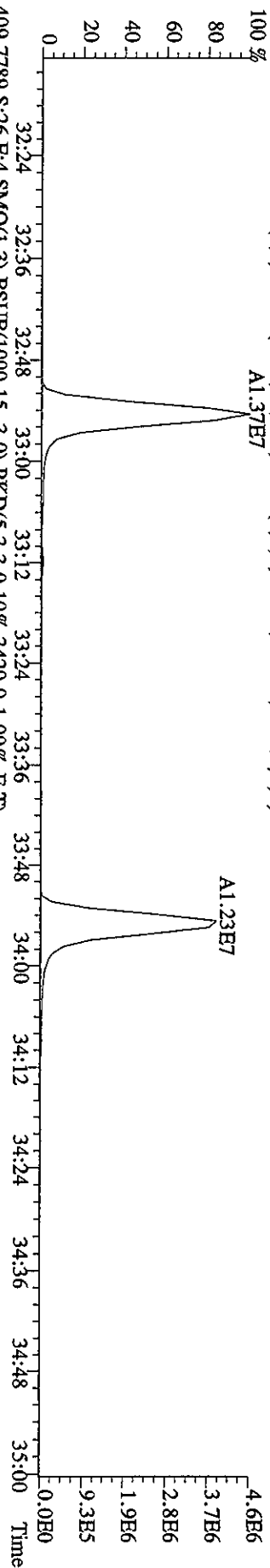
File:25MY06A9D5 #1-529 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN  
 373.8208 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4712.0,1.00%,F,T)



File: 25MY06A9D5 #1-529 Acq: 26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#26 Text: H5169-1-AD :G6E230000-628L Exp: DIOXIN  
 389.8157 S:26 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2276.0,1.00%,F,T)



Sample#26 Text:H5169-1-AD :G6E230000-628L  
407.7818 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3356.0,1.00%,F,T)

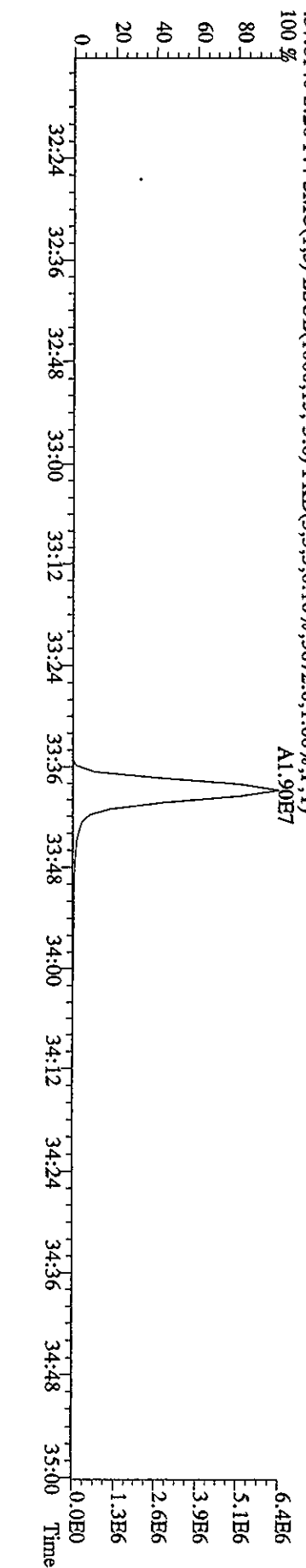
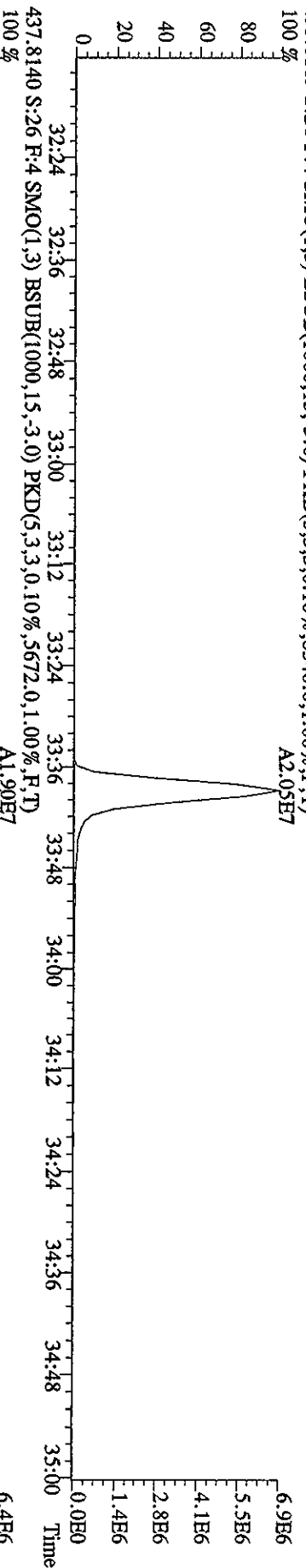
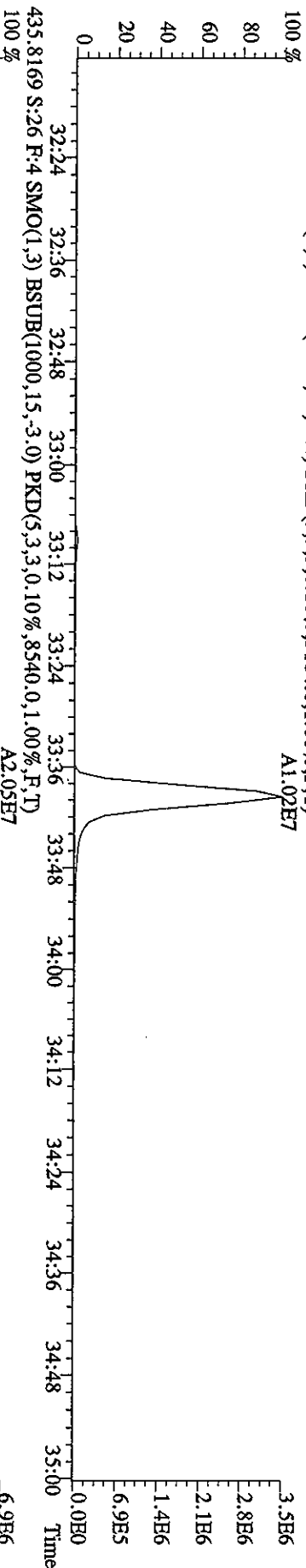
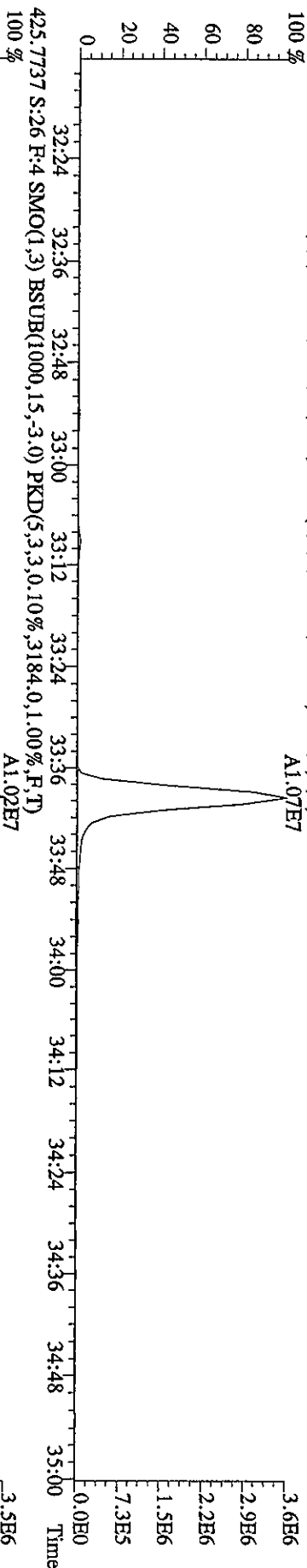


File:25MY06A9D5 #1-224 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE

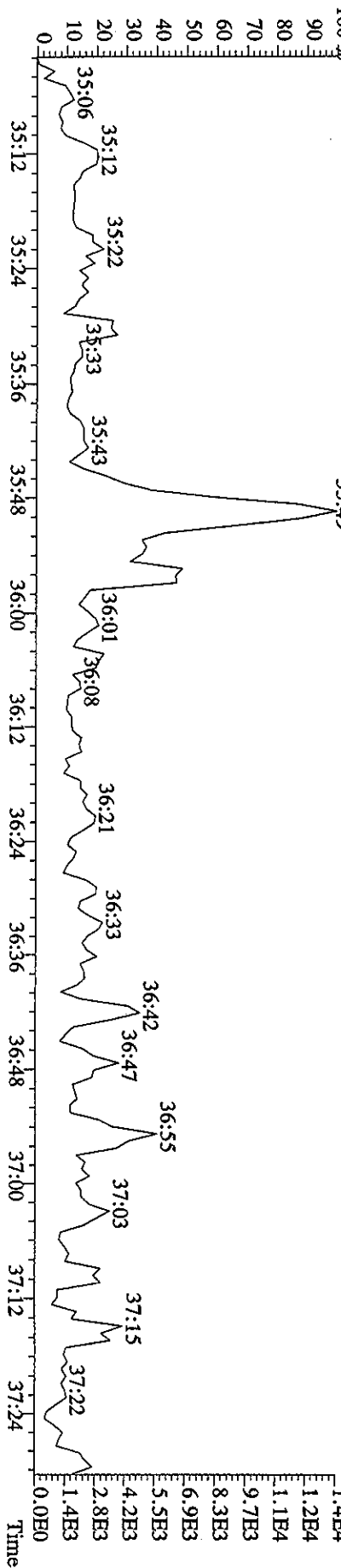
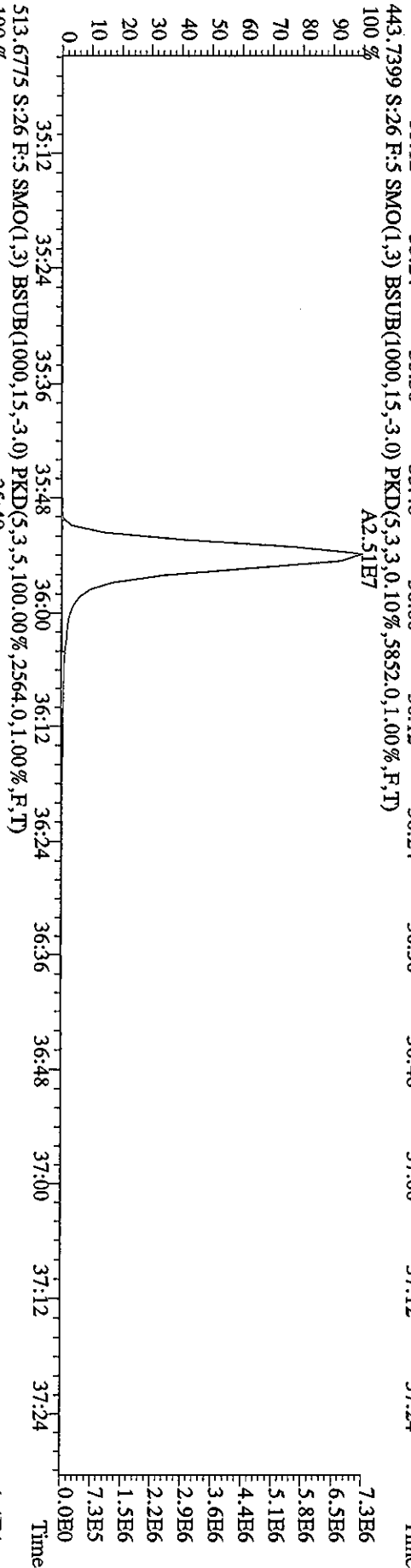
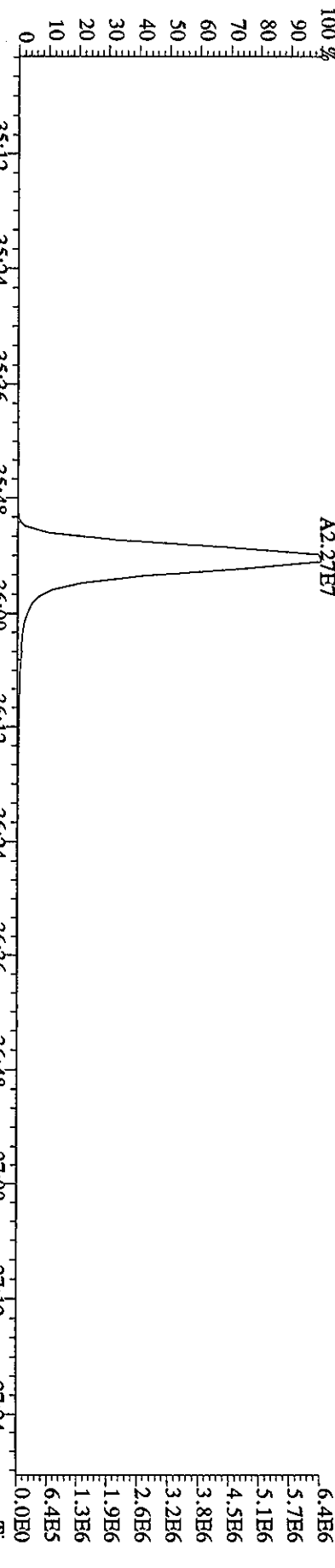
Sample#26 Tex:H5169-1-AD :G6E330000-628L Exp:DIOXIN

423.7766 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4376.0,1.00%,F,T)

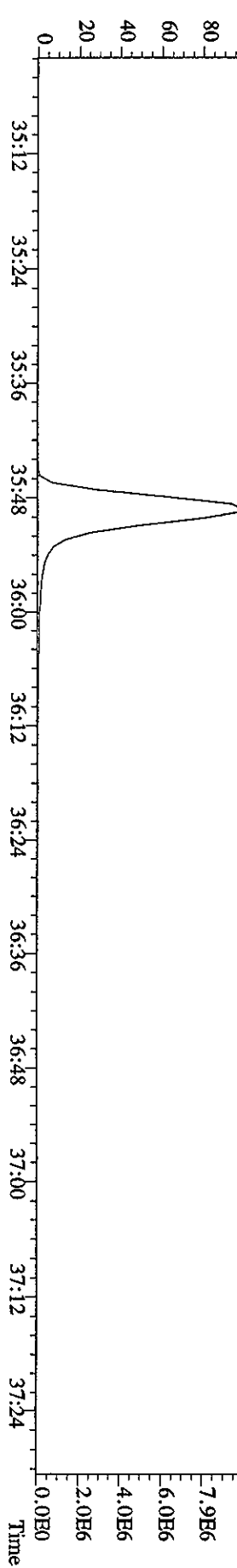
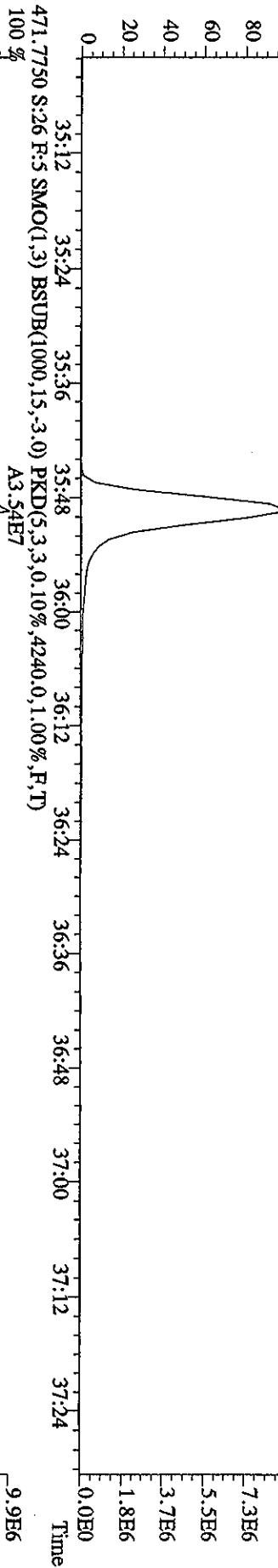
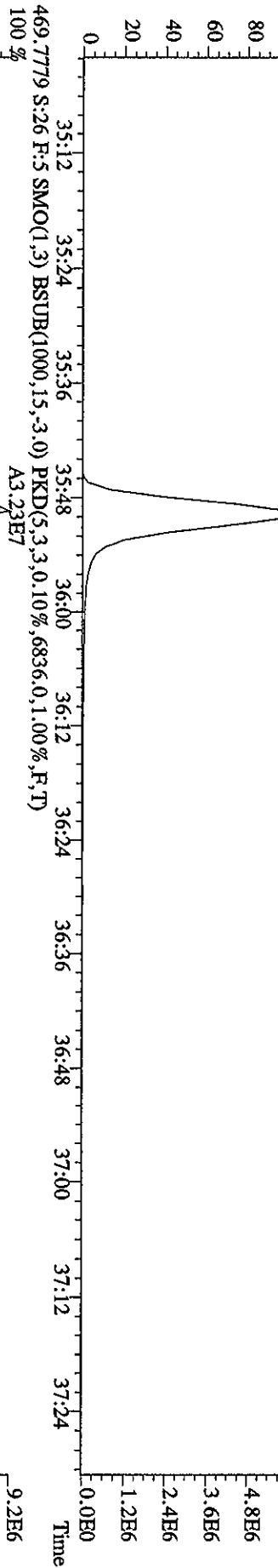
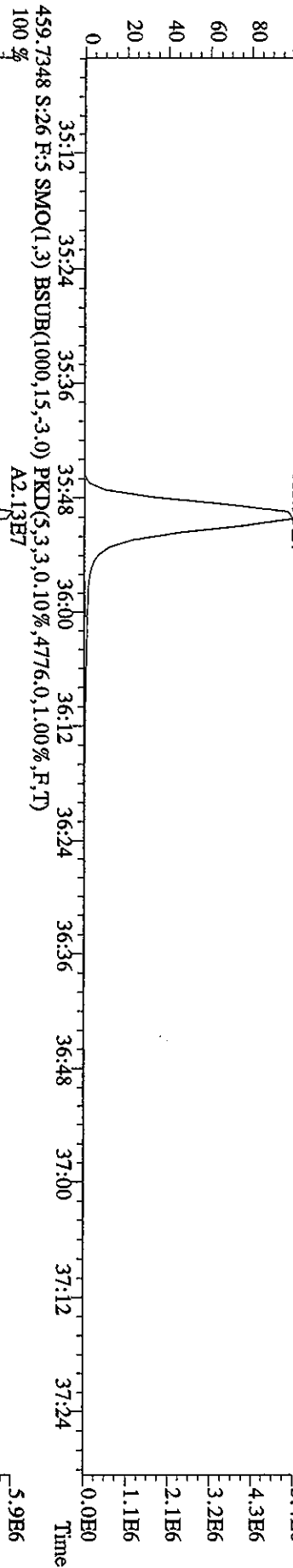
100% A1.07E7



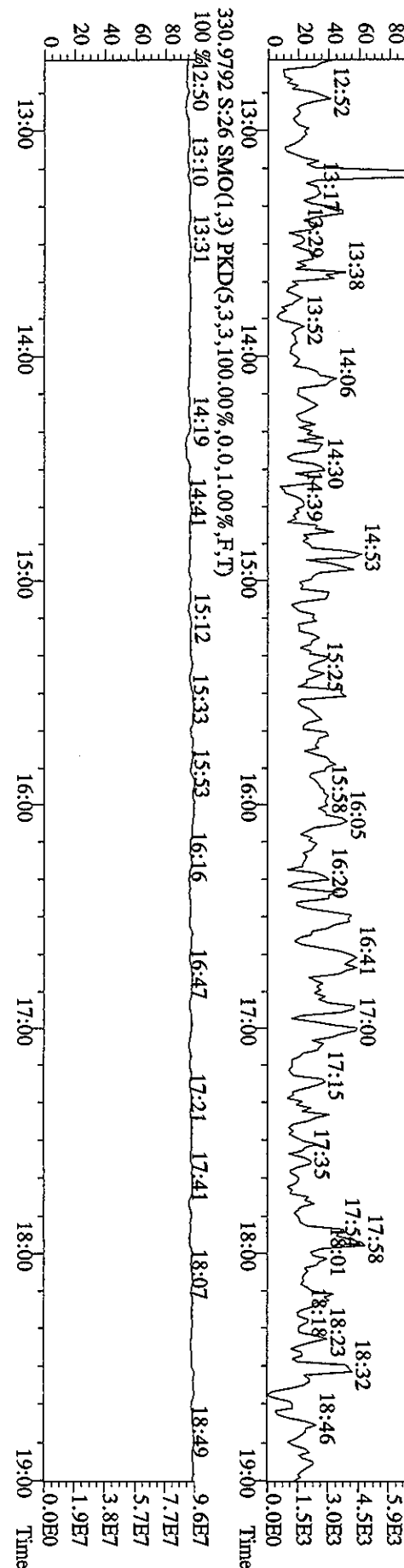
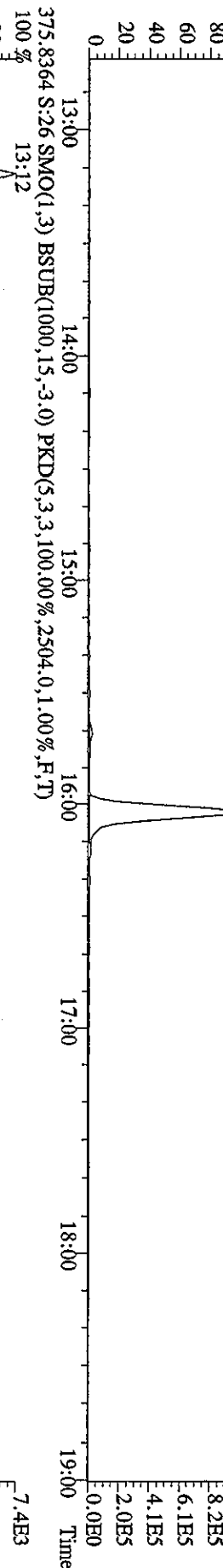
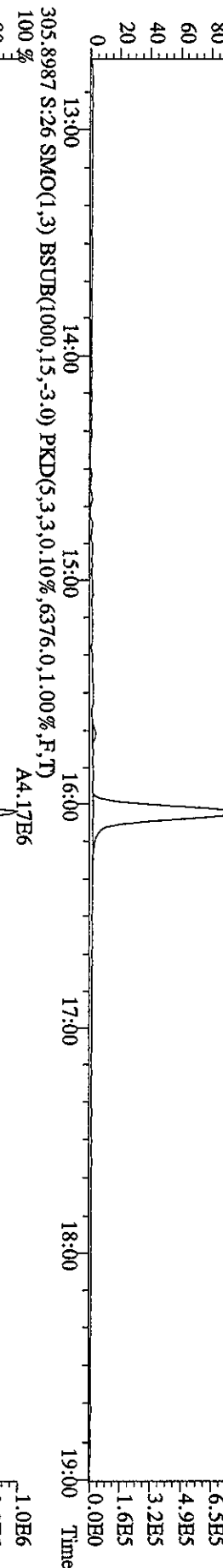
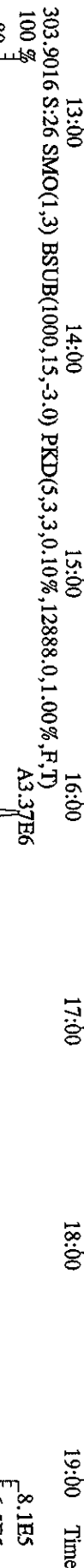
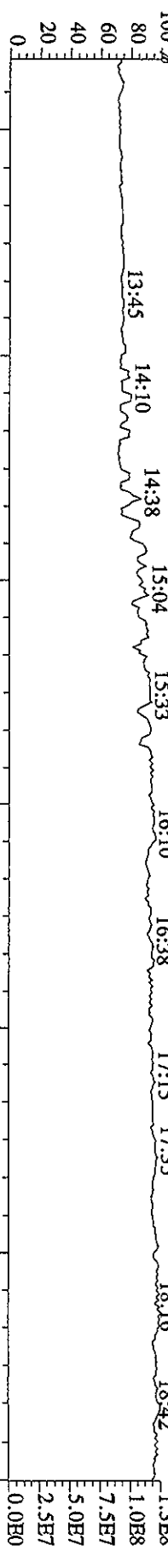
File: 25MY06A9D5 #1-201 Acq: 26-MAY-2006 14:37:03 GC EI+ Voltage SFR Autospec-UltimaE  
 Sample# 26 Text: H5169-1-AD : G6E230000-628L Exp: DIOXIN  
 441, 7428 S: 26 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4428.0,1.00%,F,T)  
 A2.27E7



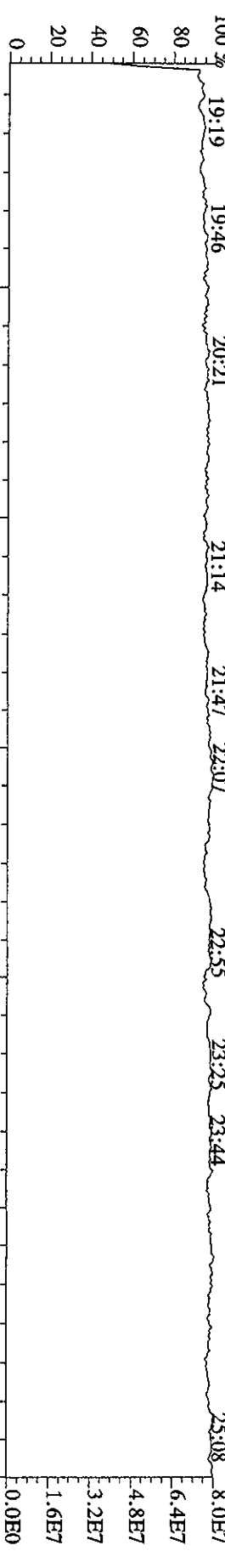
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 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN  
 457.7377 S:26 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7516.0,1.00%,F,T)  
 100 % A1.93E7



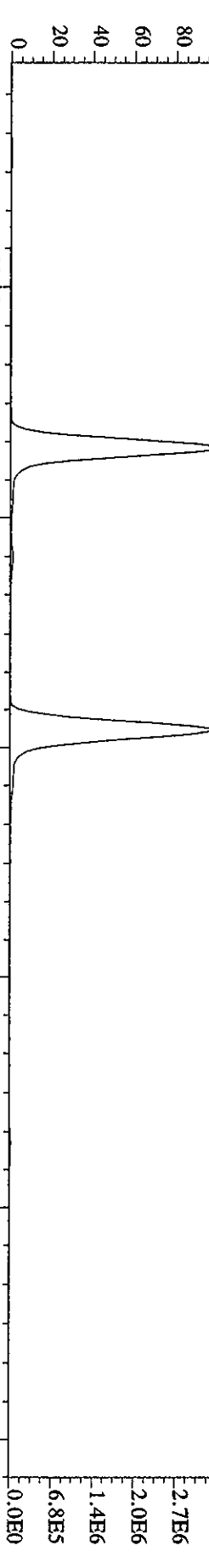
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN  
 292.9825 S:26 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



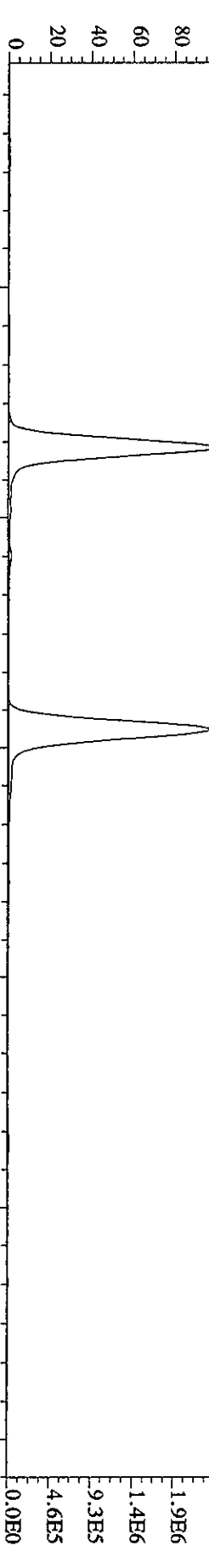
File: 25MY06A9D5 #1-490 Acq: 26-MAY-2006 14:37:03 GC EL+ Voltage SFR Autospec-UltimaE  
 Sample#26 Text: H5169-1-AD : G6E230000-628L Exp: DIOXIN  
 342.9792 S:26 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100% 19:19 19:46 20:21 21:14 21:47 22:07 22:55 23:25 23:44 25:08 8.0E7



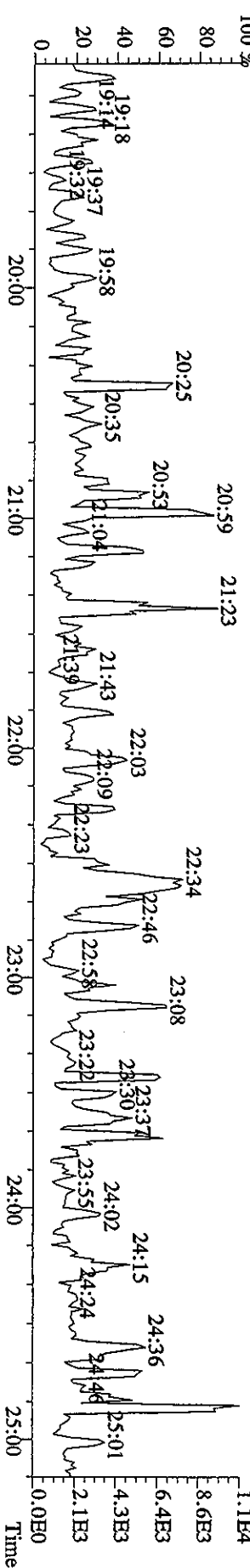
339.8597 S:26 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2620,0.1,0.0%,F,T)  
 100% A1.89E7 A1.96E7

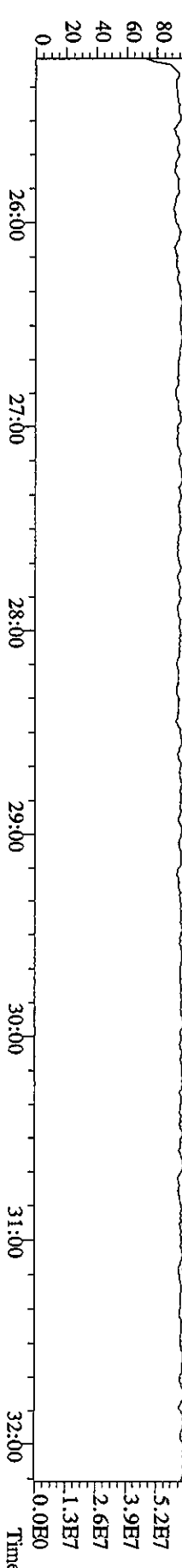
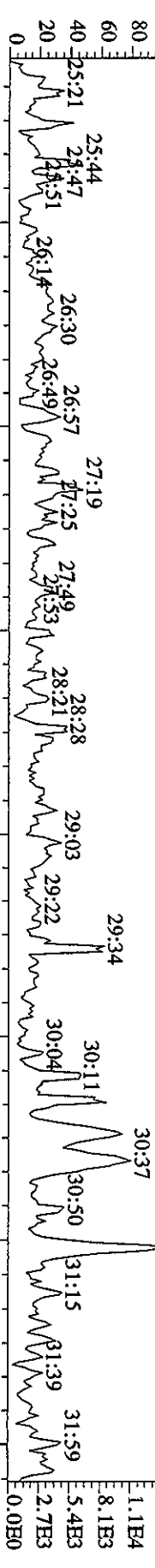
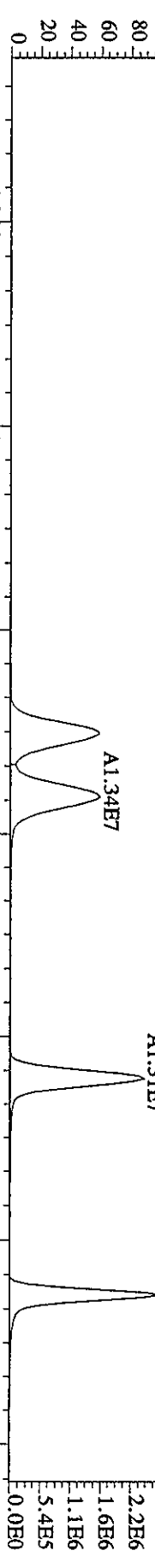
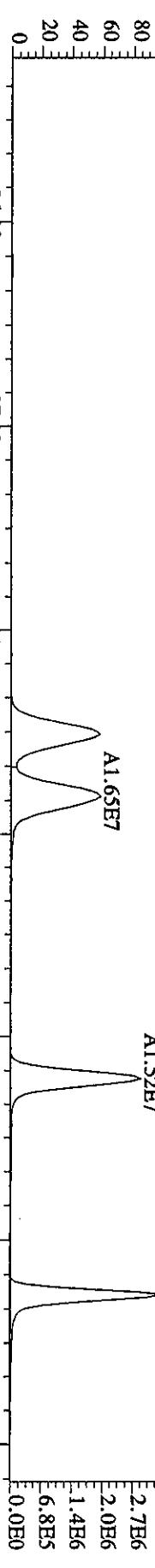
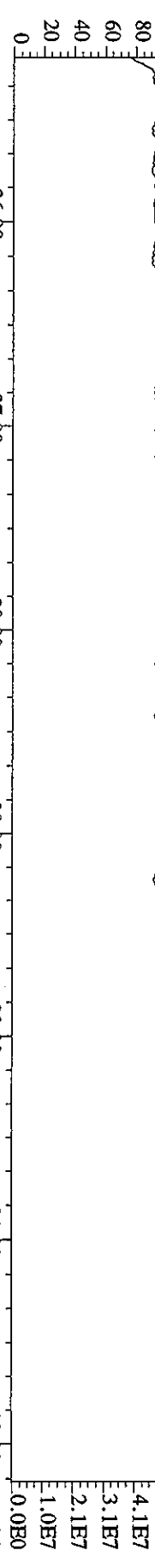


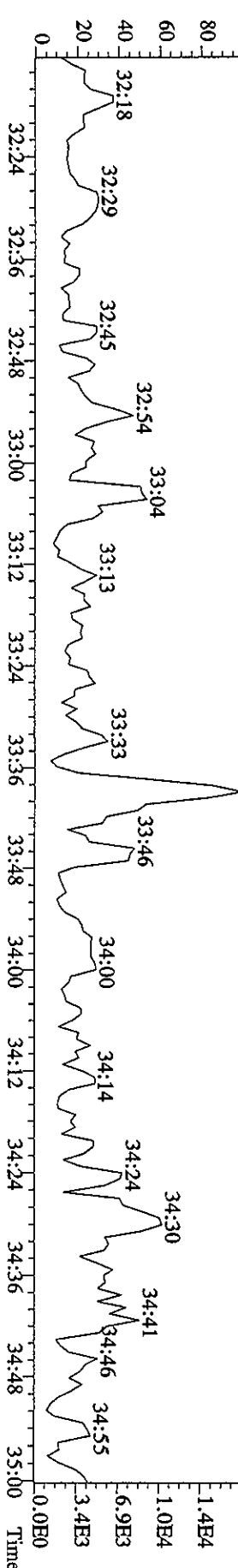
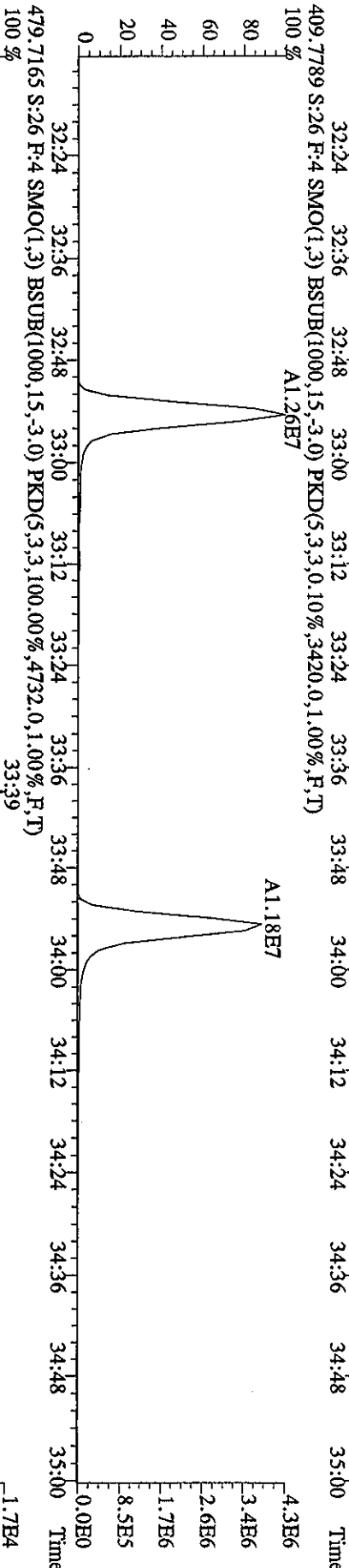
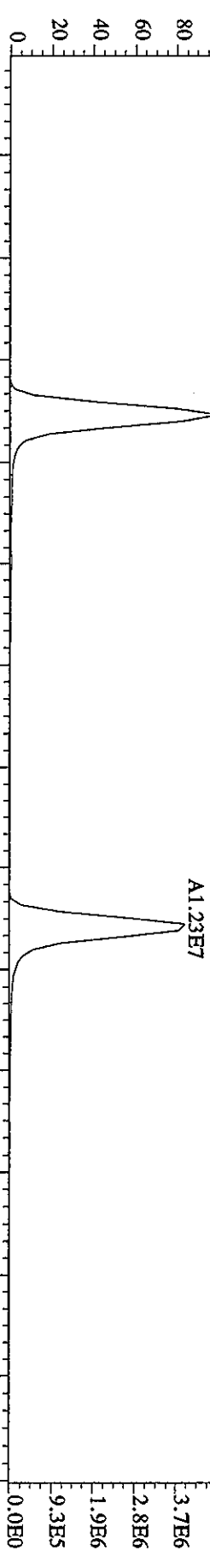
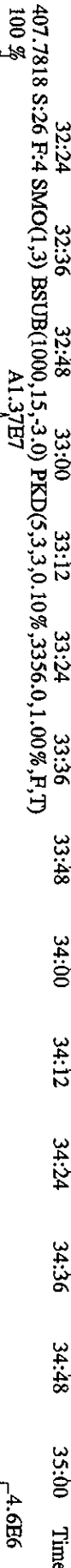
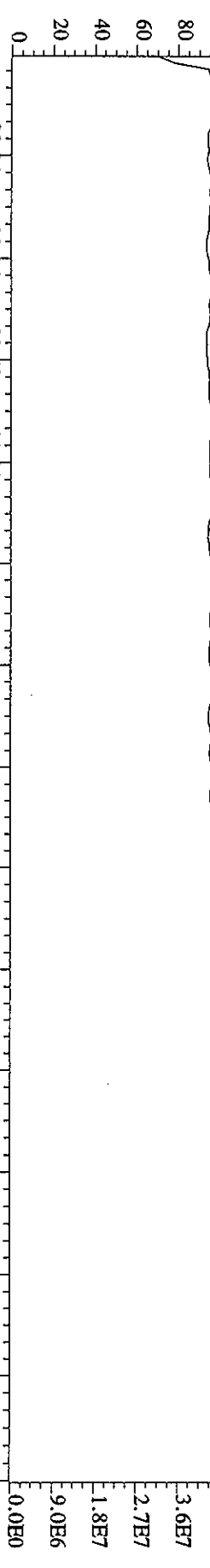
341.8567 S:26 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3664,0.1,0.0%,F,T)  
 100% A1.27E7 A1.34E7



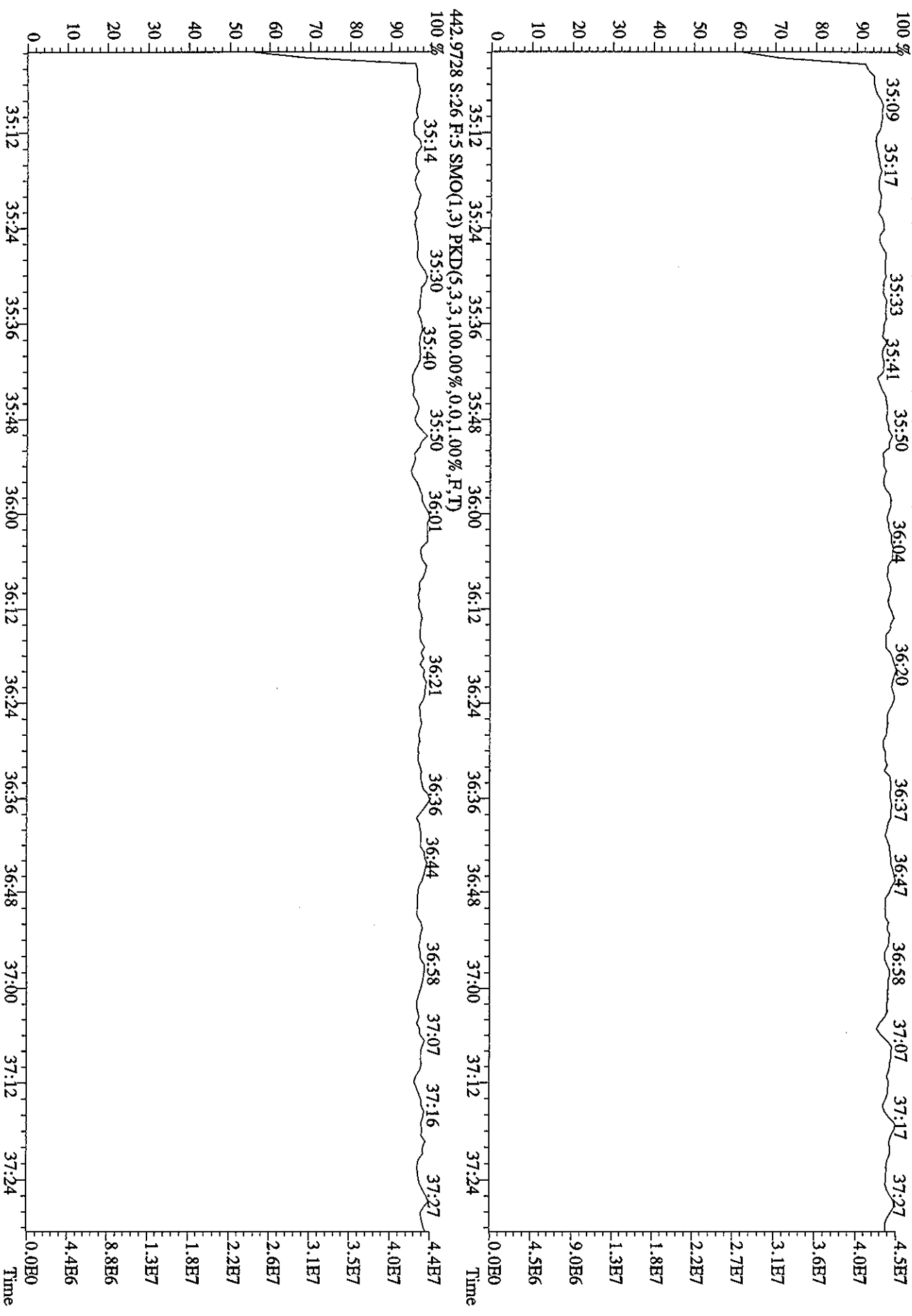
409.7974 S:26 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2472,0.1,0.0%,F,T)  
 100%







File: 25MY06A9D5 #1-201 Acq: 26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample# 26 Text: H5169-1-AD : G6E230000-628L Exp: DIOXIN  
 454.9728 S: 2.6 F: 5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: H5A49-1-AA Sample text: H5A49-1-AA :G6E120362-1  
 Run #28 Filename: 25MY06A9D5 S: 29 I: 1 Results: 25MY06A9D58290  
 Acquired: 26-MAY-06 16:41:48 Processed: 26-MAY-06 17:59:30  
 Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5  
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 1.016800L

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	53932158	0.75 y	16:30	-	100.79	-	-	n
13C-2,3,7,8-TCDF	67005356	0.79 y	16:01	1.69	1449.38	3.49	73.7	n
2,3,7,8-TCDF	*	* n	NotFnd	1.04	*	3.89	-	n
Total TCDF	*	* n	NotFnd	1.04	*	3.89	-	n
13C-2,3,7,8-TCDD	42932070	0.78 y	16:41	0.90	1733.52	8.12	88.1	n
2,3,7,8-TCDD	*	* n	NotFnd	1.23	*	2.59	-	n
Total TCDD	57885	1.71 n	16:01	1.23	<del>2.15</del>	2.59	-	n
37Cl-2,3,7,8-TCDD	37887284	1.00 y	16:42	2.21	625.02	2.07	79.4	n
13C-1,2,3,7,8-PeCDF	57110154	1.51 y	20:40	1.25	1663.71	6.36	84.6	n
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.91	*	3.45	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.95	*	3.29	-	n
Total F2 PeCDF	*	* n	NotFnd	0.93	*	<del>3.37</del>	-	n
Total F1 PeCDF	*	* n	NotFnd	0.93	*	4.27	-	n
13C-1,2,3,7,8-PeCDD	32081628	1.52 y	22:34	0.66	1769.82	4.62	90.0	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.16	*	5.72	-	n
Total PeCDD	14342	5.18 n	20:39	1.16	<del>0.76</del>	5.72	-	n
13C-1,2,3,7,8,9-HxCDD	37849744	1.30 y	31:01	-	116.26	-	-	n
13C-1,2,3,4,7,8-HxCDF	40669077	0.52 y	28:28	1.41	1502.12	6.77	76.4	n
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.04	*	7.40	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.13	*	6.78	-	n
2,3,4,6,7,8-HxCDF	60891	1.92 n	30:12	1.01	<del>2.92</del>	7.64	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.93	*	8.26	-	n
Total HxCDF	60891	1.92 n	30:12	1.03	<del>2.92</del>	<del>7.49</del> 8.24	-	n
13C-1,2,3,6,7,8-HxCDD	35023555	1.32 y	30:37	0.99	1831.35	10.30	93.1	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.94	*	5.62	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.05	*	5.00	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.07	*	4.94	-	n
Total HxCDD	*	* n	NotFnd	1.02	*	<del>5.17</del> 5.42	-	n
13C-1,2,3,4,6,7,8-HpCDF	34819317	0.45 y	32:54	1.18	1533.55	4.06	78.0	n
1,2,3,4,6,7,8-HpCDF	309133	1.27 n	32:54	1.27	13.70 DL	1.82	-	n
1,2,3,4,7,8,9-HpCDF	46283	1.01 y	33:55	1.10	2.38	2.11	-	n
Total HpCDF	573996	1.27 n	32:54	1.19	<del>26.49</del> 13.70=DL	1.96	-	n
13C-1,2,3,4,6,7,8-HpCDD	36274124	1.06 y	33:39	1.07	1767.68	7.47	89.9	n
1,2,3,4,6,7,8-HpCDD	475896	1.07 y	33:40	0.95	J 27.12 DL	1.99	-	n
Total HpCDD	925236	3.36 n	32:54	0.95	<del>52.72</del> 27.12 DL	1.99	-	n
13C-OCDD	60911214	0.92 y	35:49	0.80	3976.75	9.23	101.1	n

OCDF	346378	0.92	y	35:54	1.36	16.48	DL	4.82	-	n
OCDD	1848560	0.95	y	35:49	1.05	114.15	/	7.83	-	n

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:0
Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A97

Amount: \* of which \* named and \* unnamed
Conc: \* of which \* named and \* unnamed

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, NotF7, \*, n, \*, \*, \*, n, n.

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:1
Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A97

Amount: 2.19 of which \* named and 2.19 unnamed
Conc: 2.15 of which \* named and 2.15 unnamed

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, 16:01, 1.71, n, 2.15, 55896, 4.3, y, n.

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:0
Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A97

Amount: \* of which \* named and \* unnamed
Conc: \* of which \* named and \* unnamed

Table with 7 columns: Name, #, R.T., Ratio, Conc., Area, S/N >? Mod?. Row 1: 1, NotF7, \*, n, \*, \*, \*, n, n.

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:0  
Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48  
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: \* of which \* named and \* unnamed  
Conc: \* of which \* named and \* unnamed

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

Totals Results STL Sacramento

Page 5 of 9

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:1  
Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48  
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: 0.77 of which \* named and 0.77 unnamed  
Conc: 0.76 of which \* named and 0.76 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	20:39	5.18	n	0.76	29130	2.0	n n
					5624	1.1	n	n

Totals Results STL Sacramento

Page 6 of 9

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:1  
Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48  
Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: 2.97 of which 2.97 named and \* unnamed  
Conc: 2.92 of which 2.92 named and \* unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
2,3,4,6,7,8-HxCDF	1	30:12	1.92	n	2.92	52197	3.4	y n
					27184	2.4	n	n

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:0  
 Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: \* of which \* named and \* unnamed  
 Conc: \* of which \* named and \* unnamed

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

Run Text: H5A49-1-AA

Sample text: H5A49-1-AA :G6E120362-1

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:5  
 Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

Amount: 26.93 of which 16.35 named and 10.58 unnamed  
 Conc: 26.49 of which 16.08 named and 10.41 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:54	1.27	n	13.70	193193	21.8	y n
						151536	27.4	y n
	2	33:06	0.97	y	3.38	34960	4.3	y n
						36063	4.9	y n
	3	33:12	0.85	n	6.42	68773	7.8	y n
						80650	14.2	y n
	4	33:40	1.76	n	0.60	10935	1.3	n n
						6204	1.3	n n
1,2,3,4,7,8,9-HpCDF	5	33:55	1.01	y	2.38	23246	2.9	n n
						23037	4.0	y n

Run Text: H5A49-1-AA

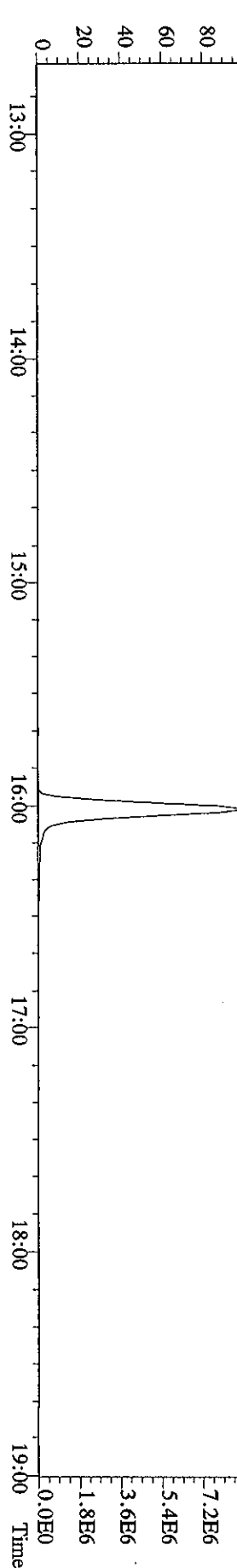
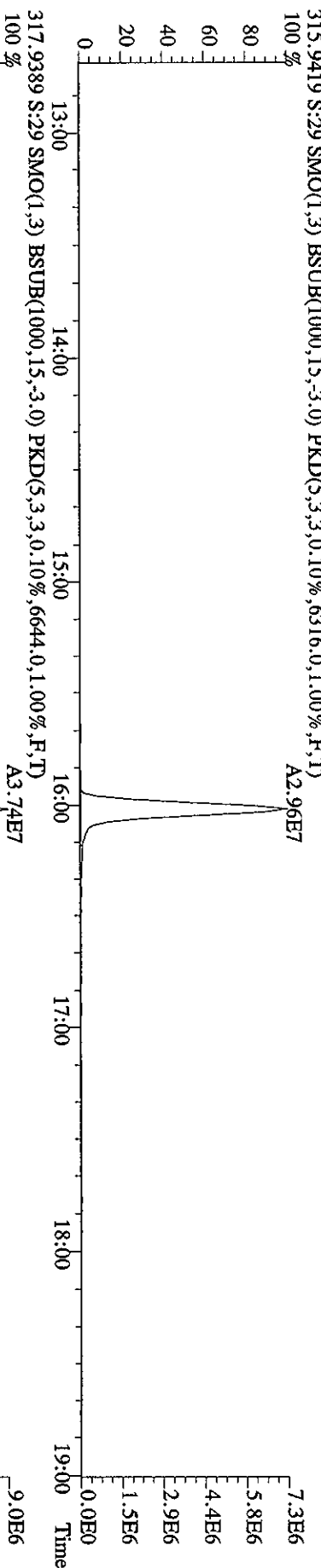
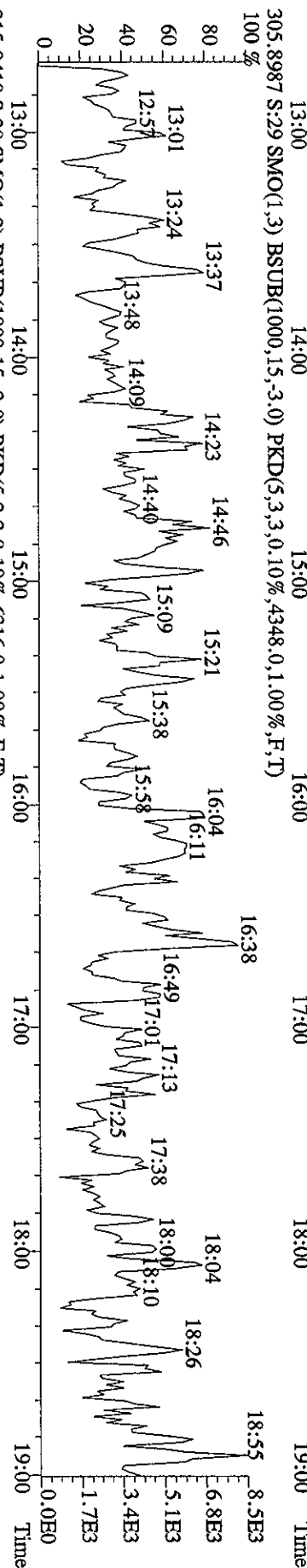
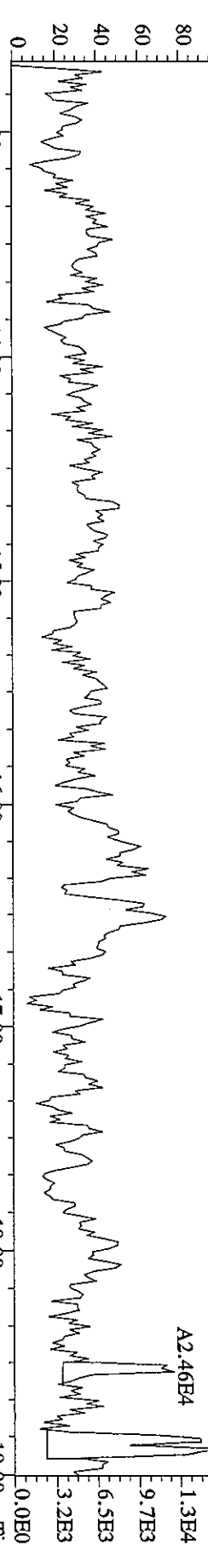
Sample text: H5A49-1-AA :G6E120362-1

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3  
 Run: 28 File: 25MY06A9D5 S:29 Acq:26-MAY-06 16:41:48  
 Tables: Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D5

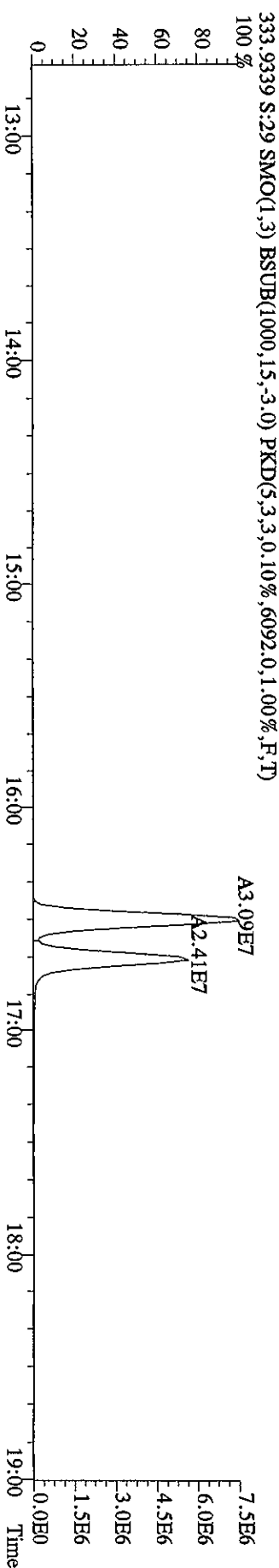
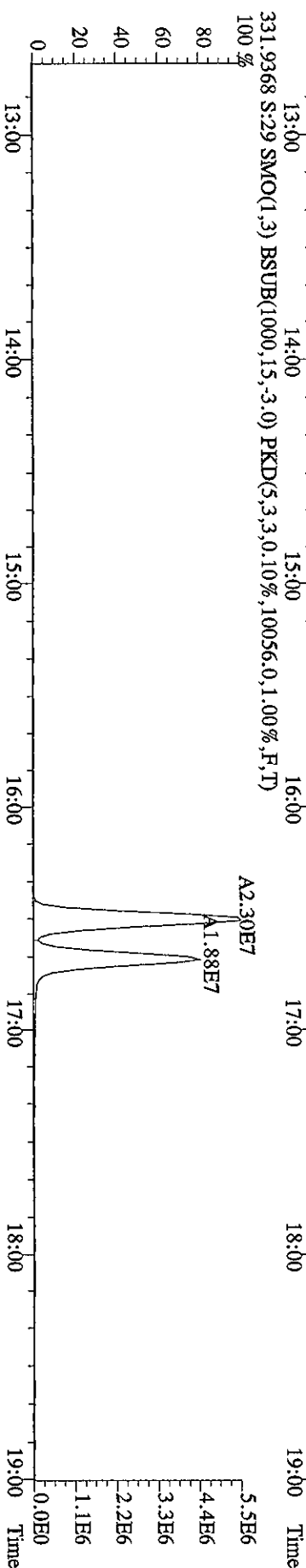
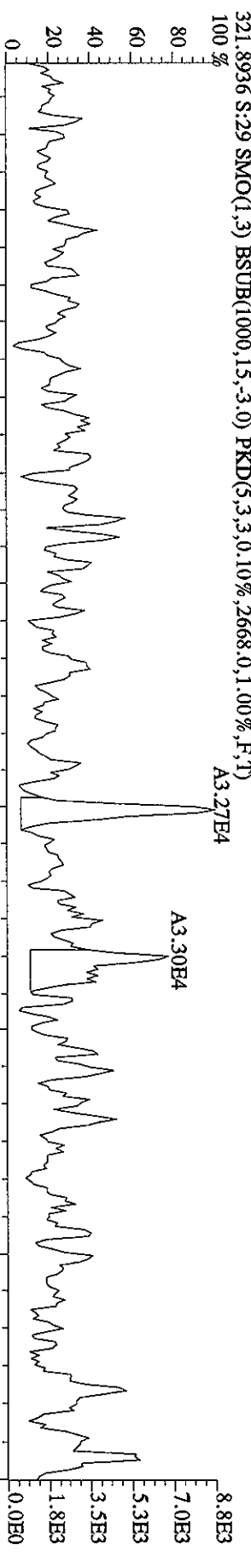
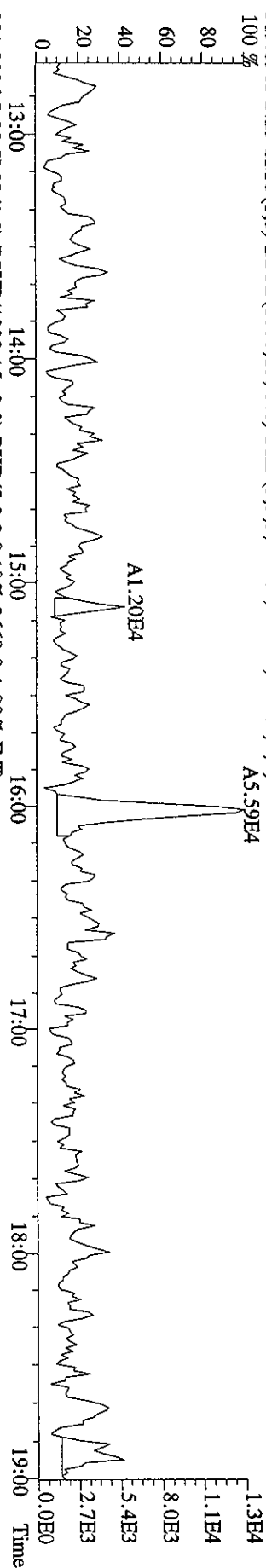
Amount: 53.61 of which 27.57 named and 26.04 unnamed  
 Conc: 52.72 of which 27.12 named and 25.61 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	32:54	3.36	n	0.89	25698	5.0	y n
						7644	1.6	n n
	2	33:09	1.12	y	24.72	229559	33.8	y n
						204187	40.0	y n
1,2,3,4,6,7,8-HpCDD	3	33:40	1.07	y	27.12	246066	38.3	y n
						229831	40.3	y n

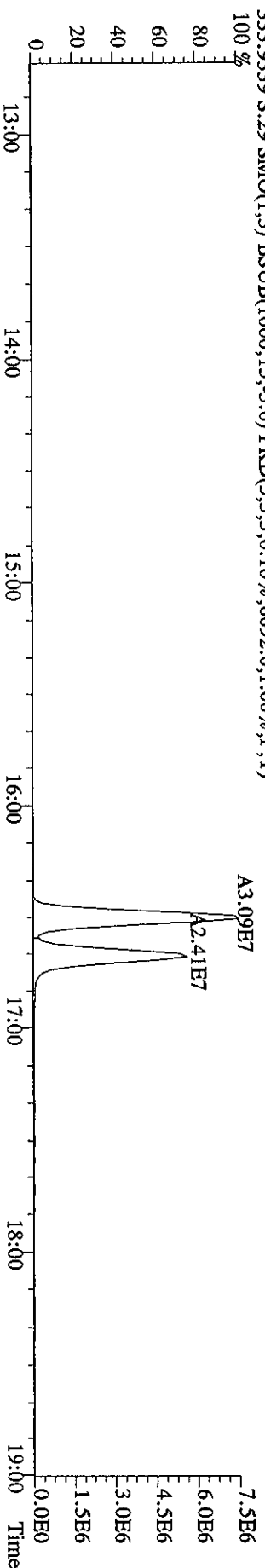
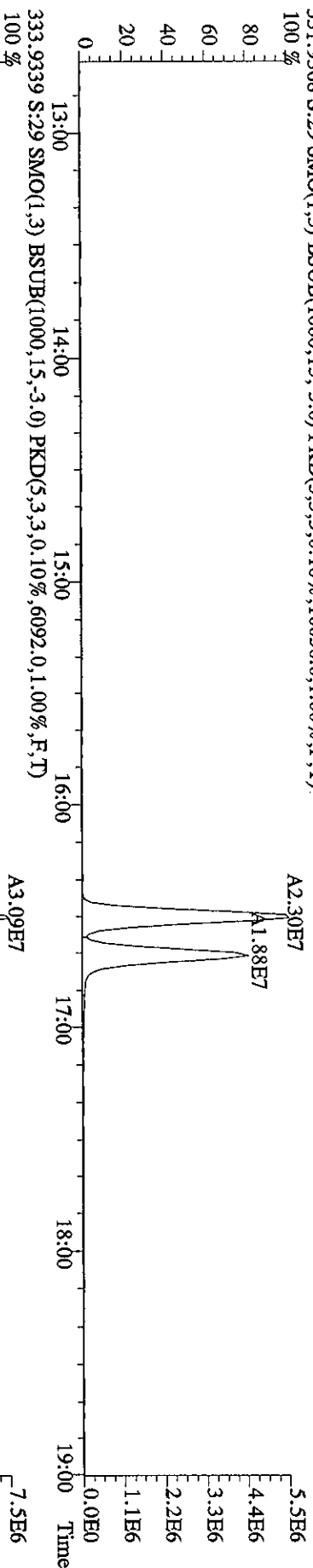
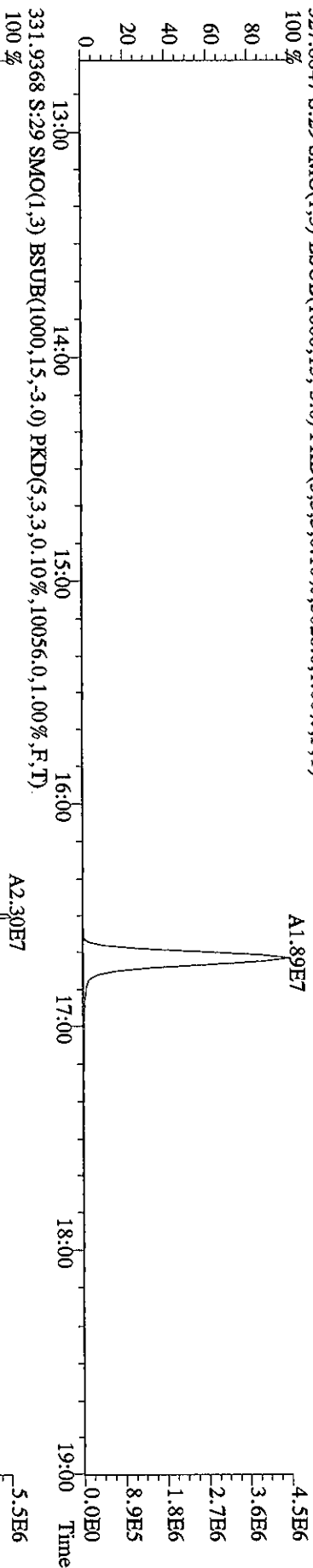
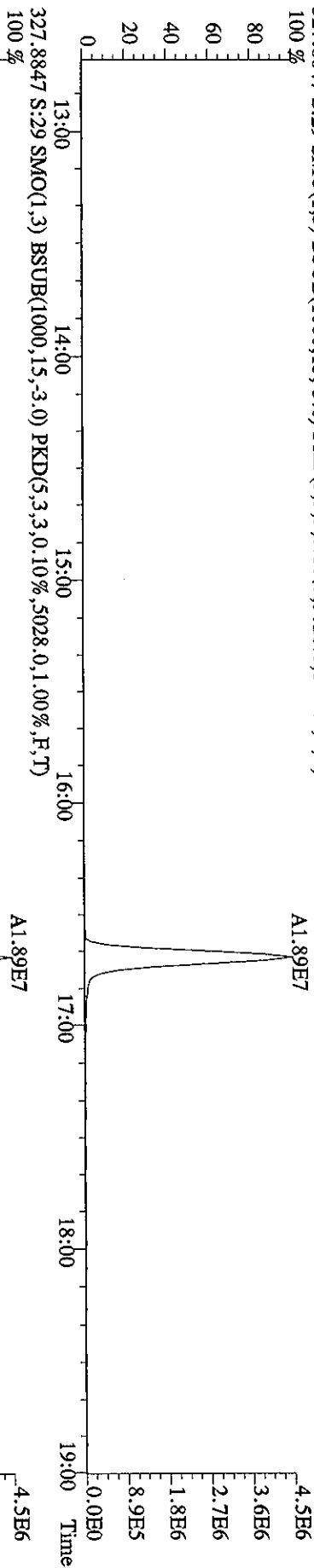
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN  
 303.9016 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6856,0.1,0.00%,F,T)



File:25MY06A9D5 #1-439 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN  
 319.8965 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2788.0,1.00%,F,T)  
 100%



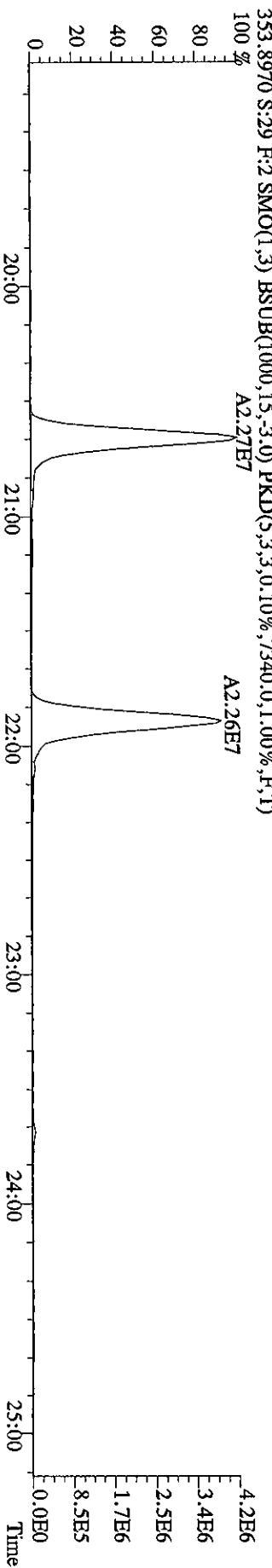
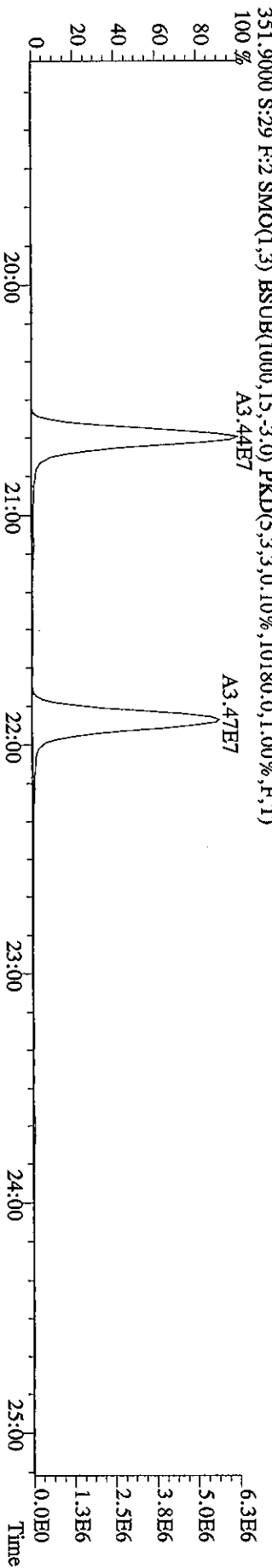
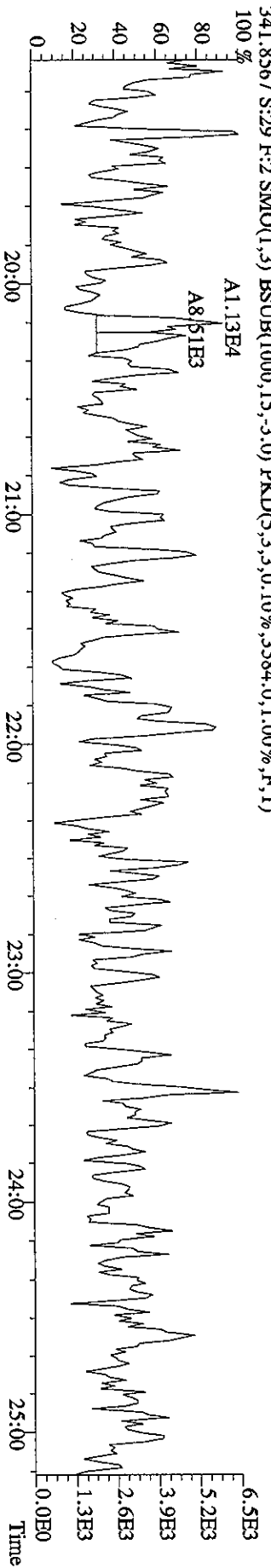
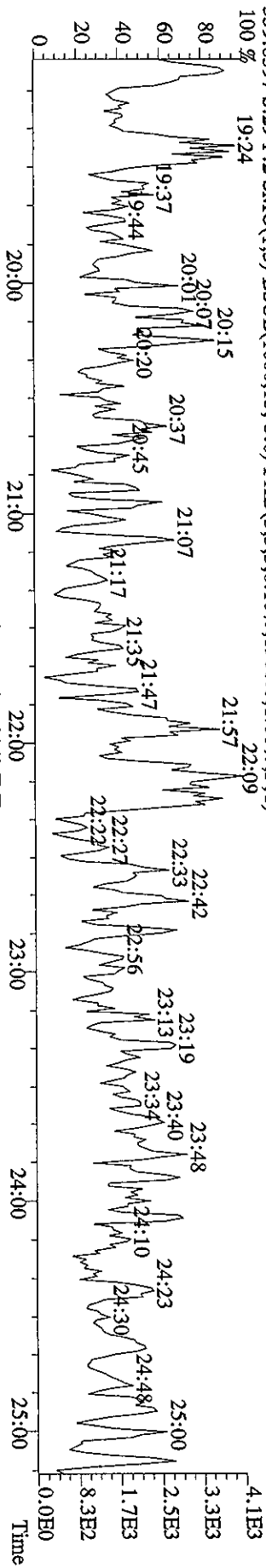
File: 25MAY06A9D5 #1-439 Acq: 26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#29 Text: H5A49-1-AA : G6E120362-1 Exp: DIOXIN  
327.8847 S: 29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5028,0,1,00%,F,T)  
100%



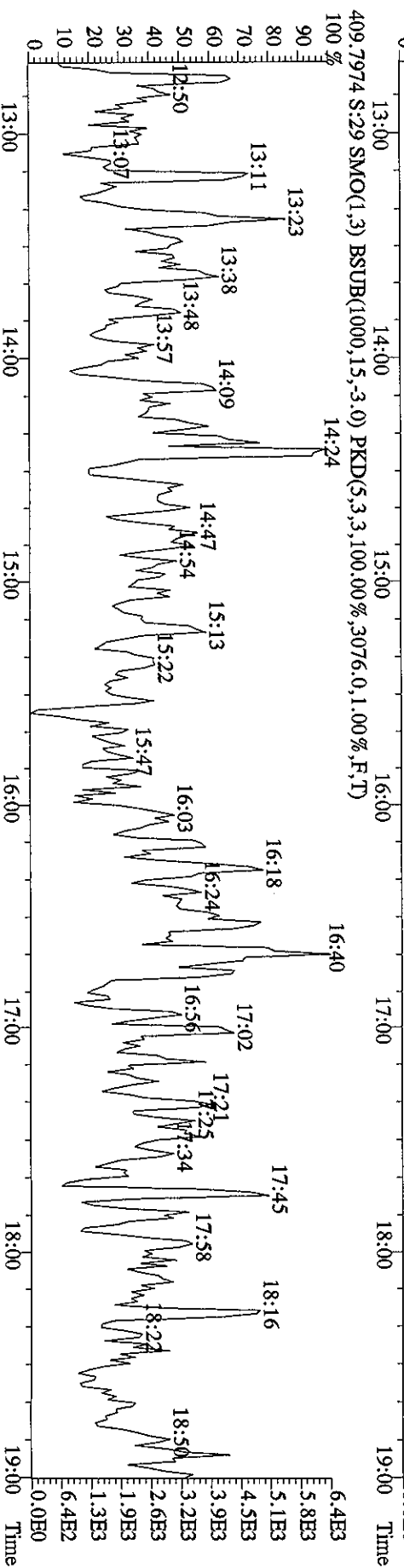
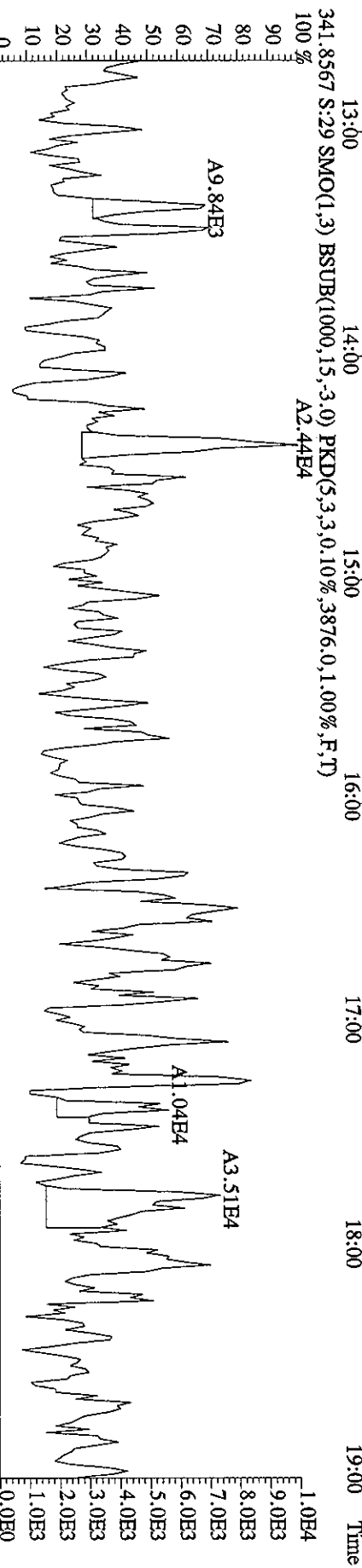
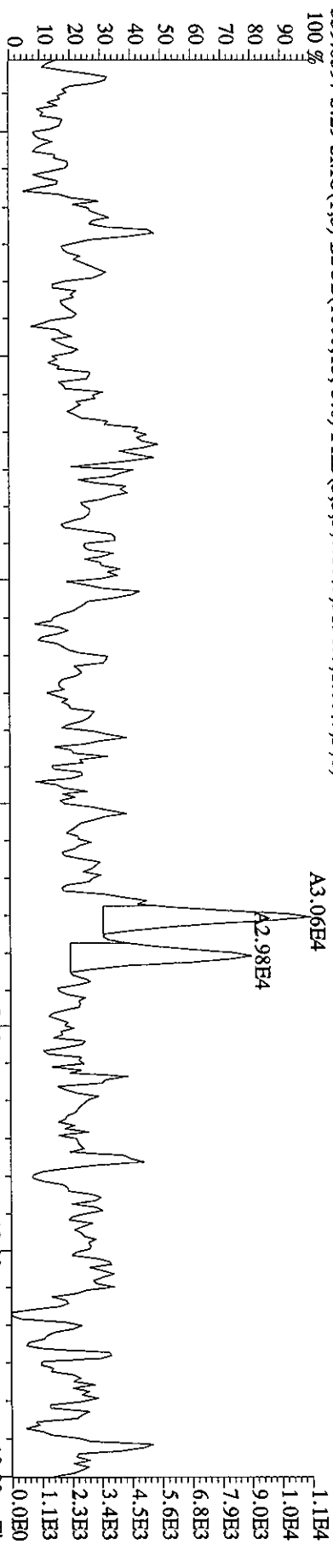
Sample#29 Text:HS449-1-AA :G6E120362-1

Exp:DIOXIN

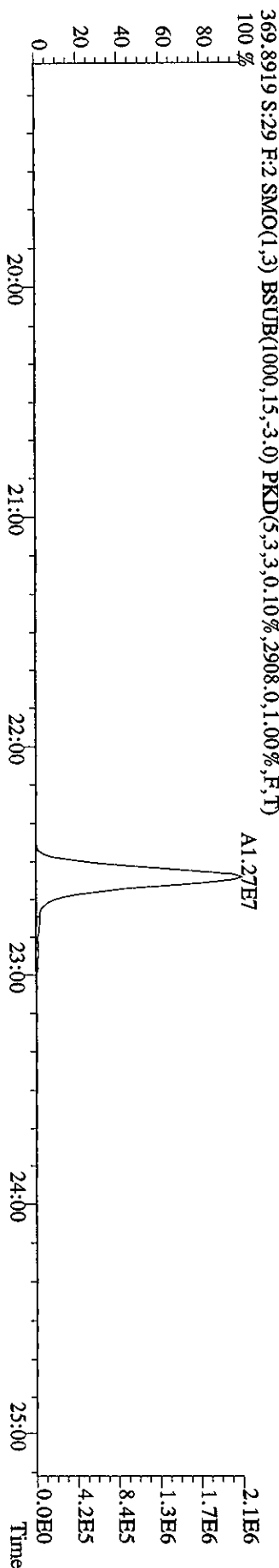
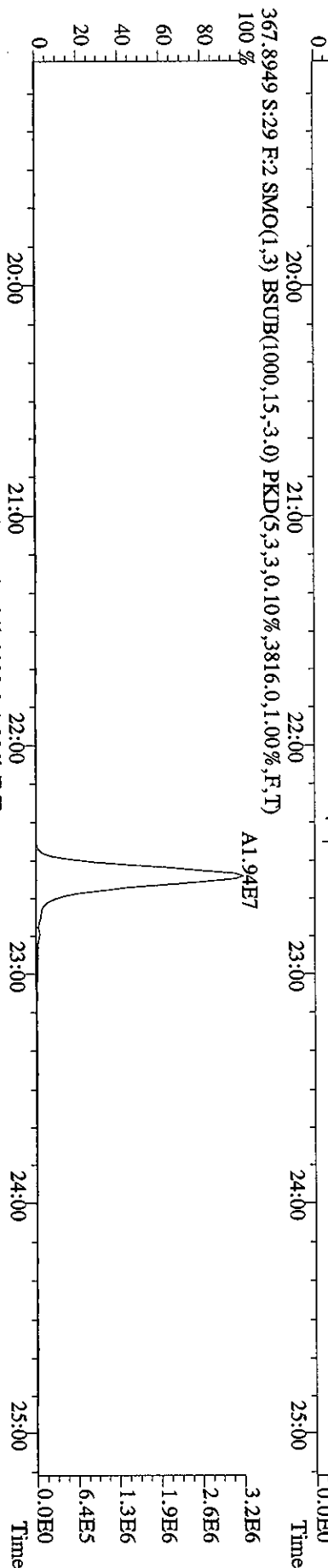
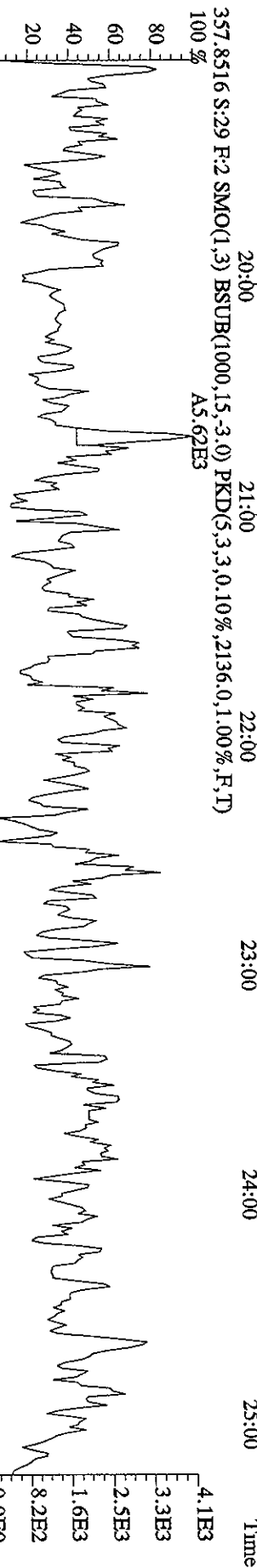
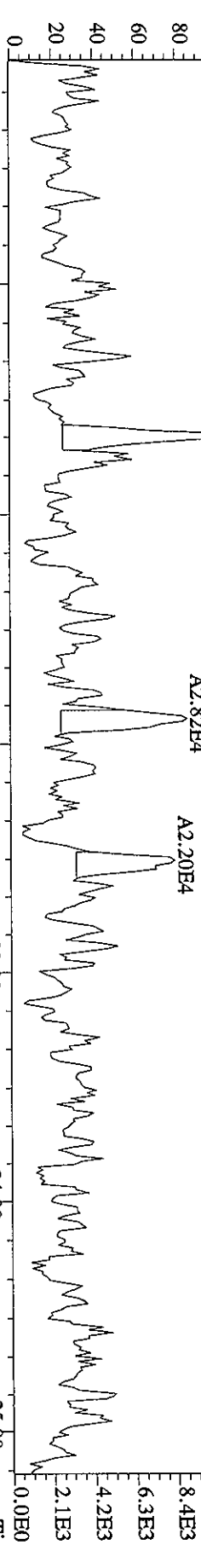
339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1988.0,1.00%,F,T)



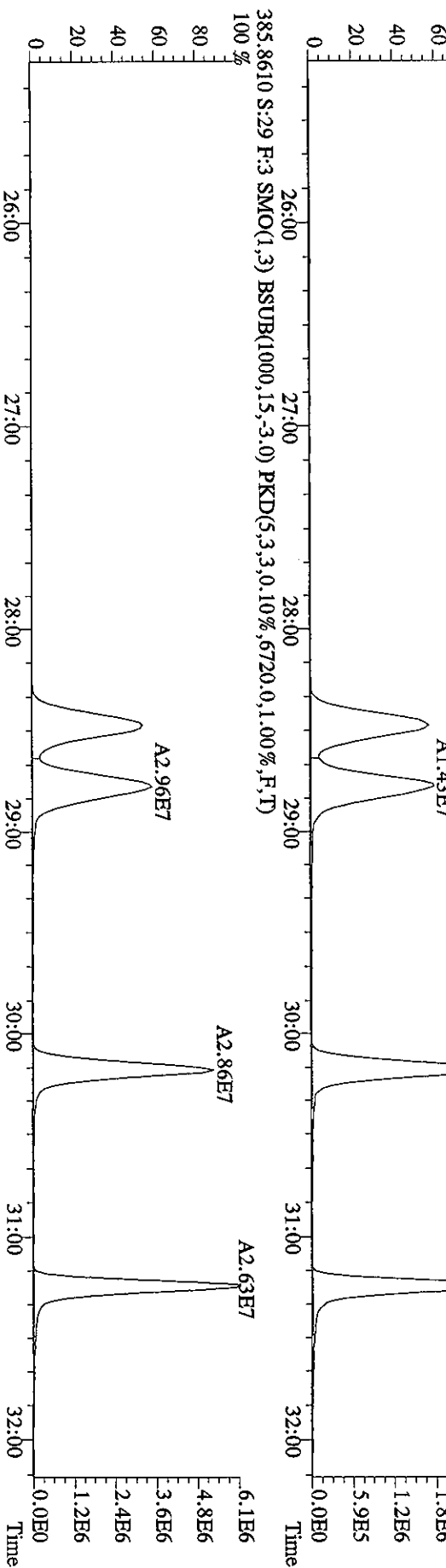
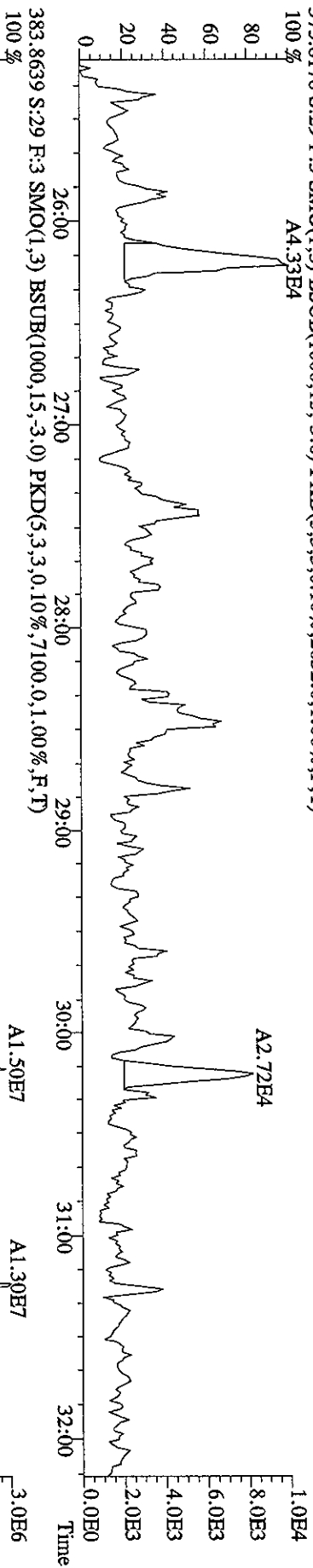
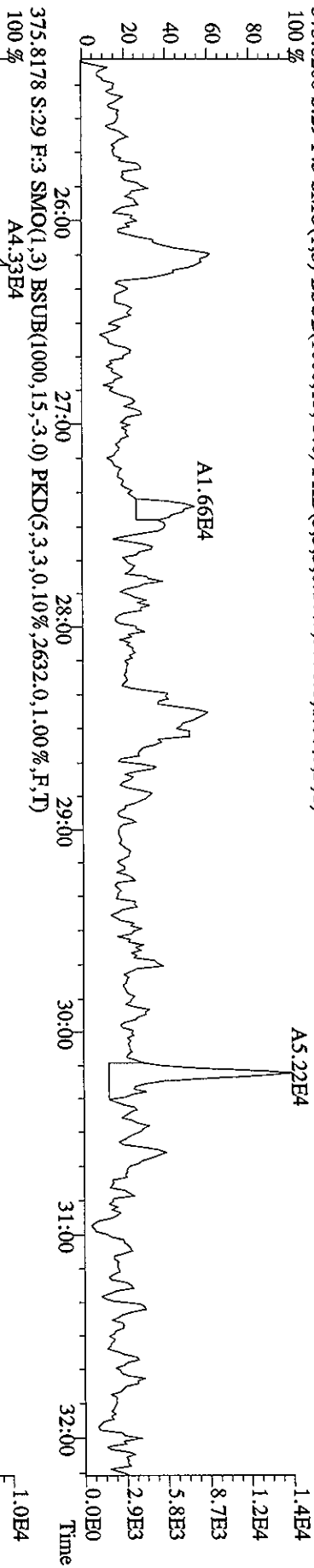
File:25MTX06A9D5 #1-439 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN  
 339.8597 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)



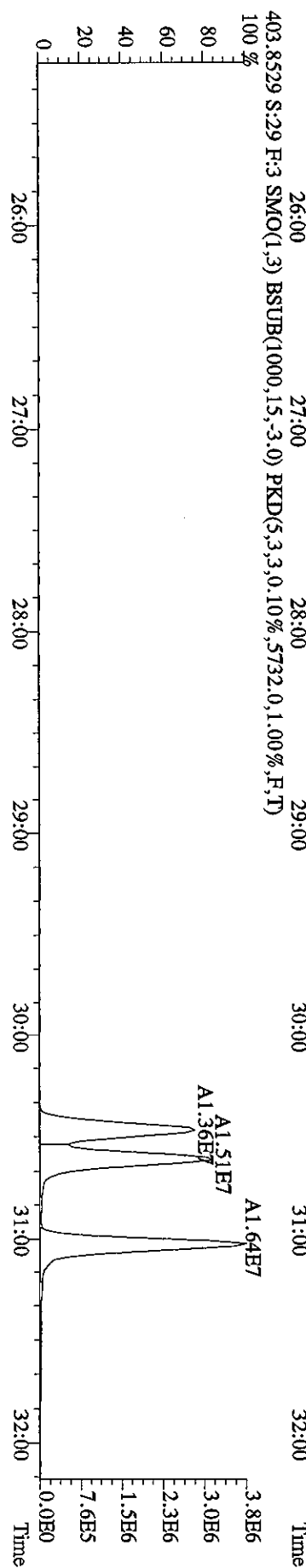
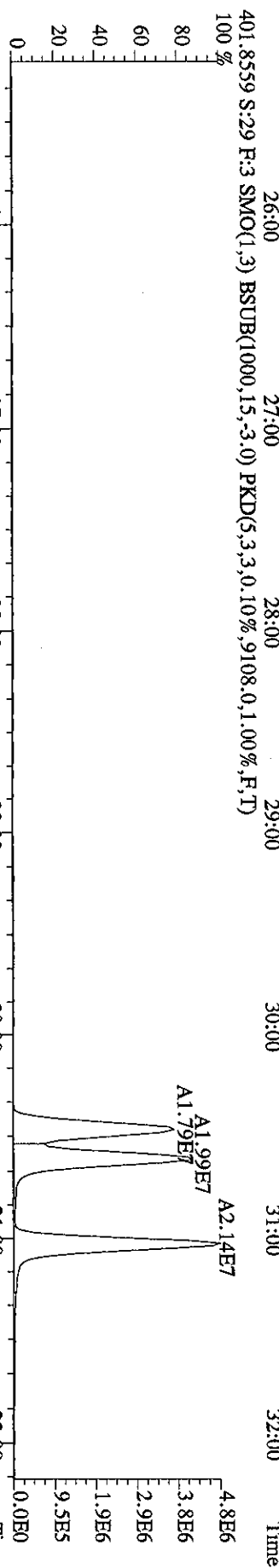
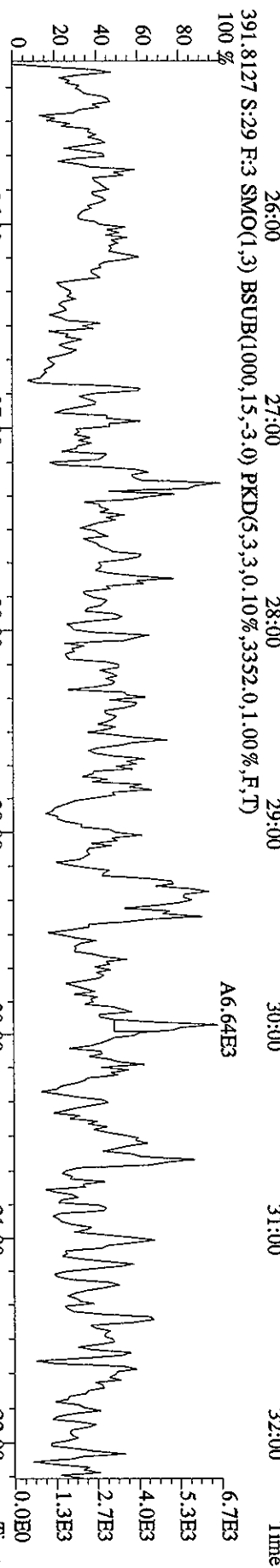
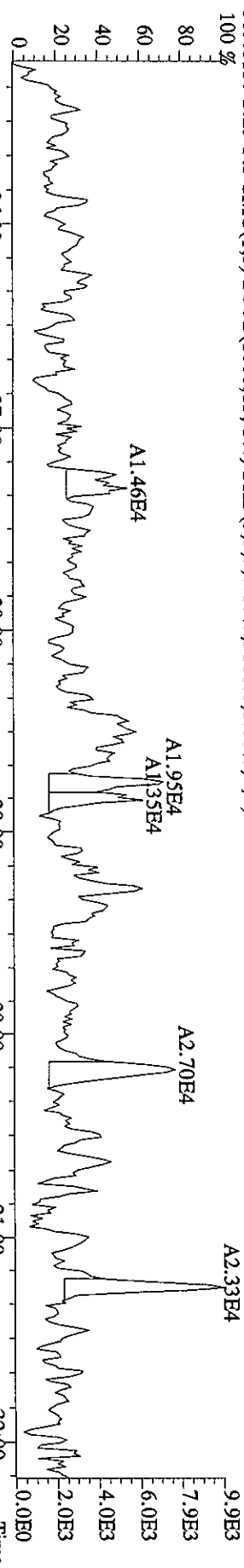
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 16:41:48 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN  
 355.8546 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3824.0,1.00%,F,T)  
 100% A2.91E4



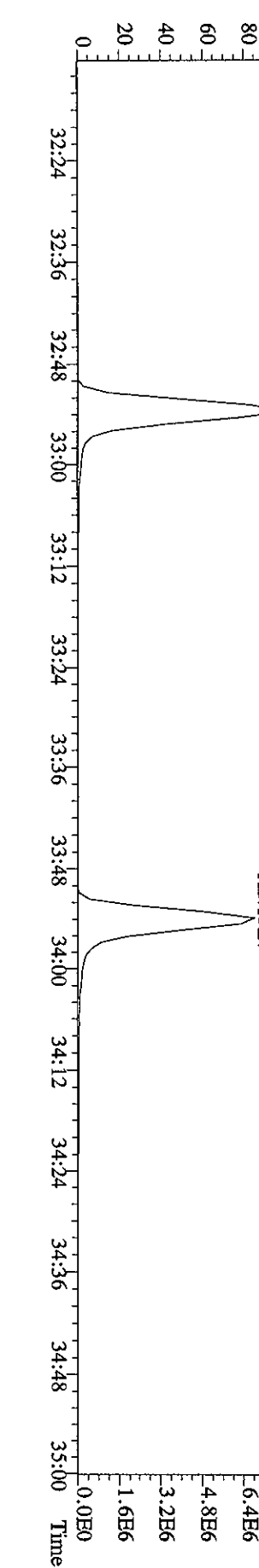
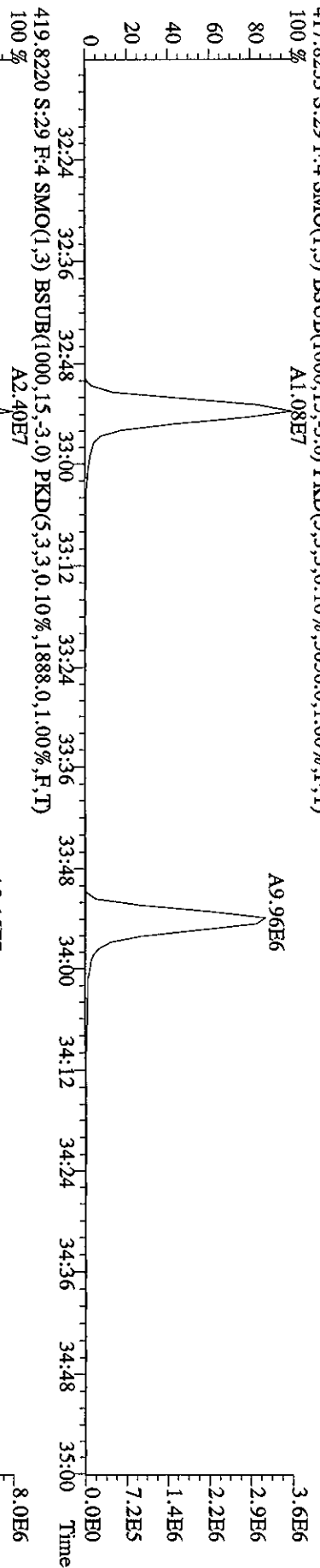
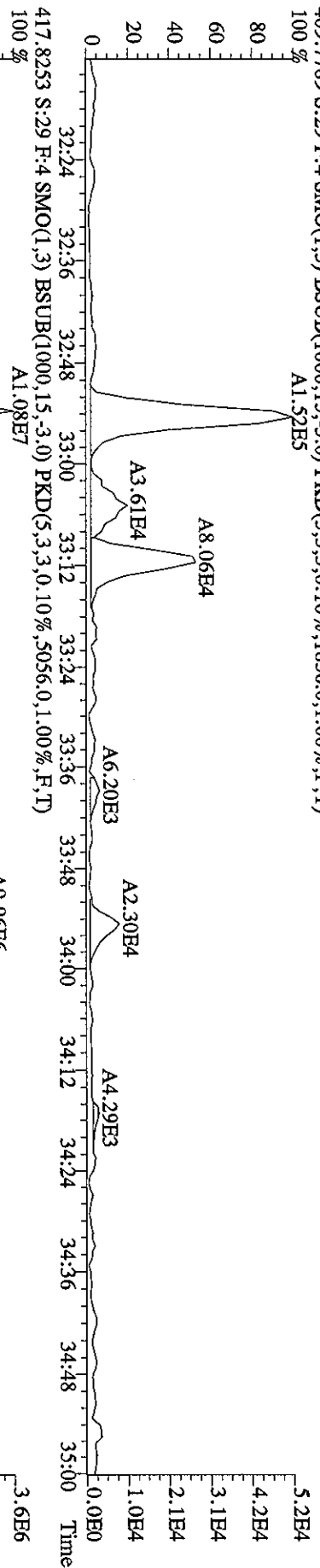
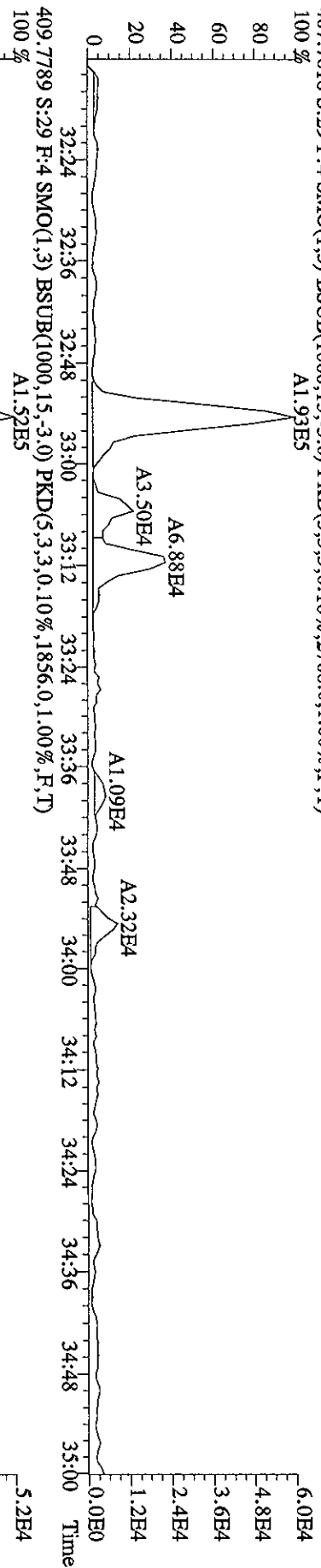
File:25MY06A9D5 #1-528 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN  
 373.8208 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.3776,0,1,1.00%,F,T)  
 100 %



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:H5AA49-1-AA :G6E120362-1 Exp:DIOXIN  
 389.8157 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3160.0,1.00%,F,T)  
 100 %



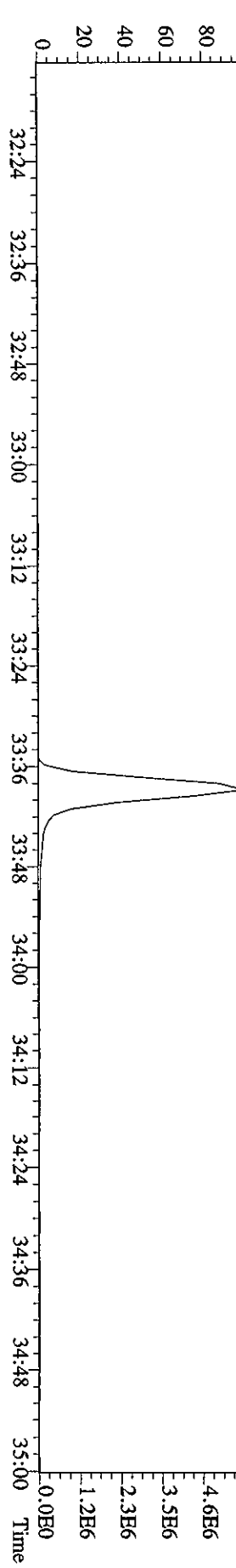
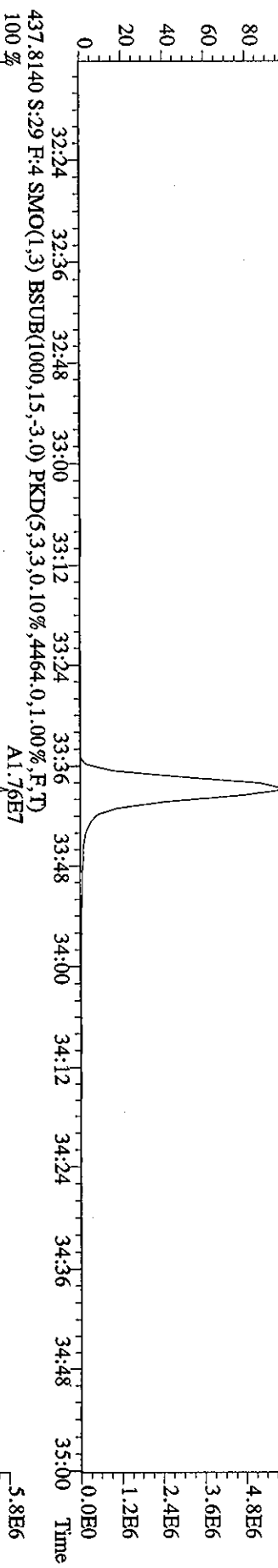
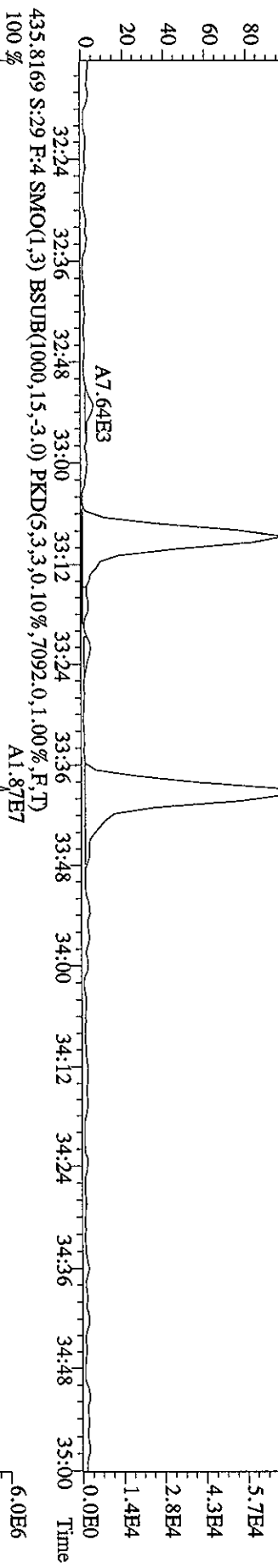
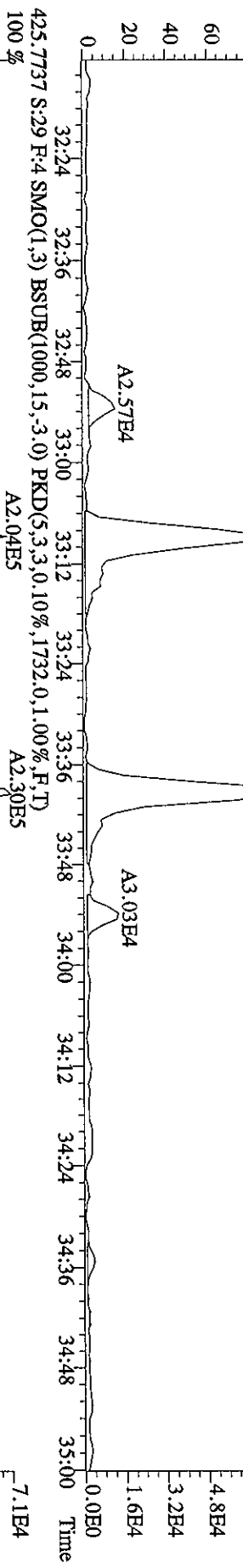
File: 25MY06A9D5 #1-224 Acq: 26-MAY-2006 16:41:48 GC E1+ Voltage SIR Autospec-UltimaE  
 Sample#29 Text: H5A49-1-AA :G6E120362-1 Exp: DIOXIN  
 407.7818 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2708.0,1.00%,F,T)  
 100 % A1.93E5



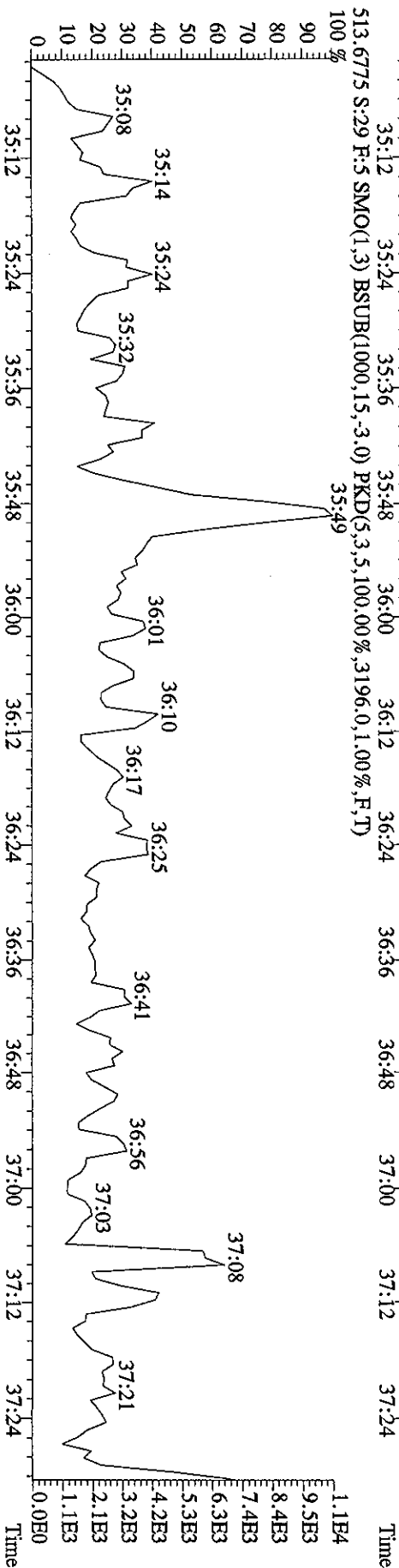
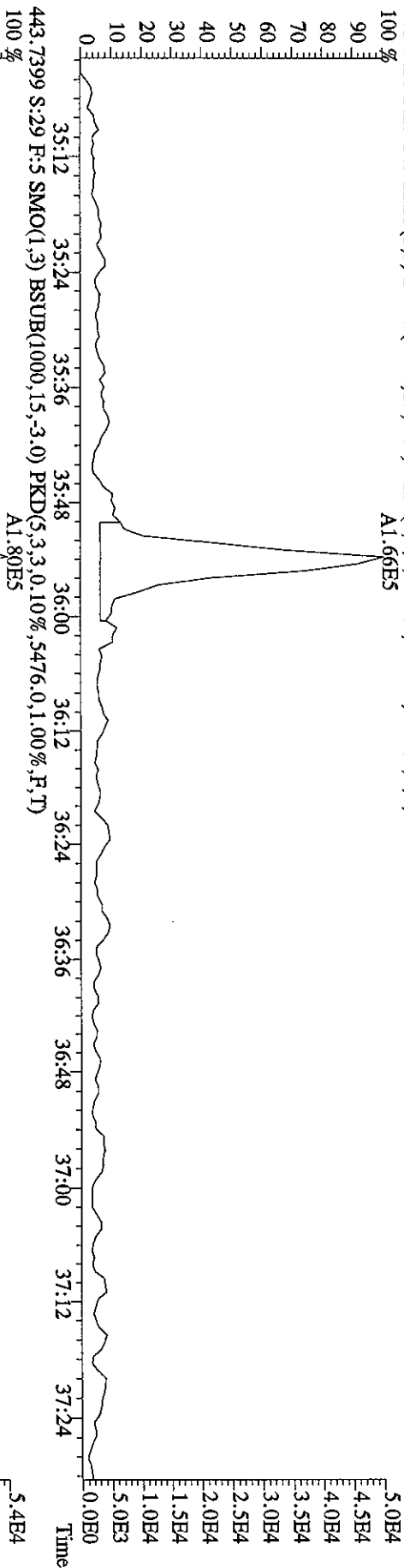
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Sample#29 Text:HS449-1-AA :G6E120362-1 Exp:DIOXIN

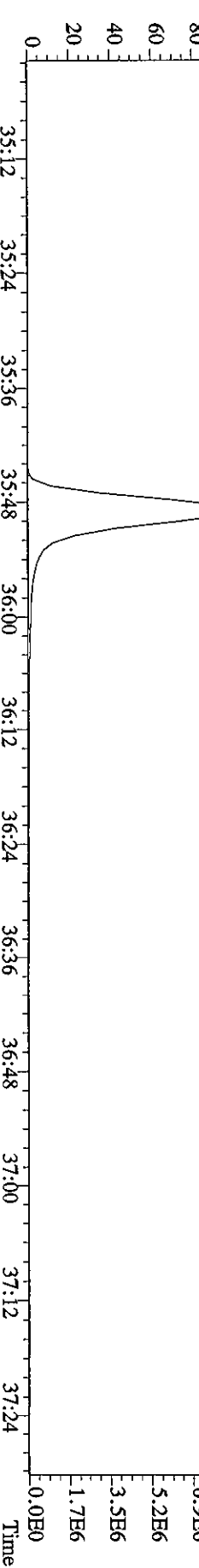
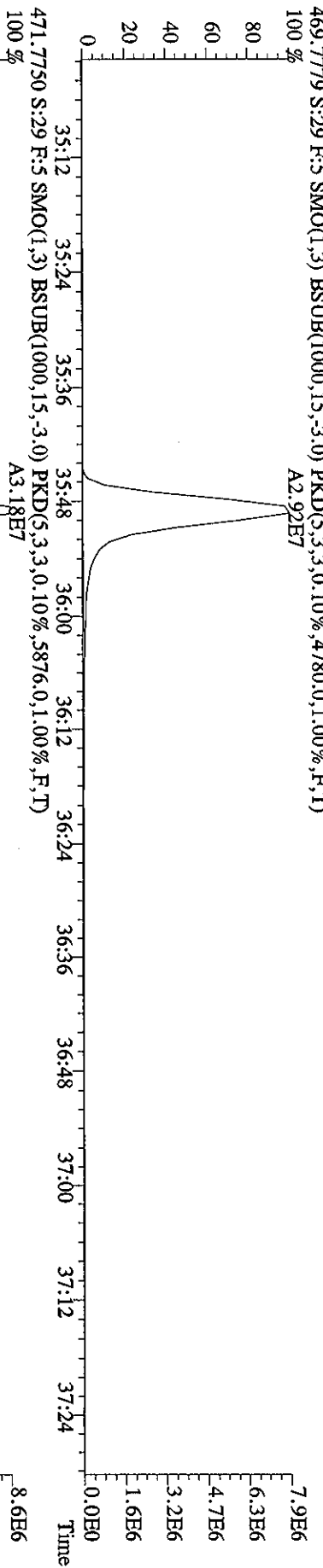
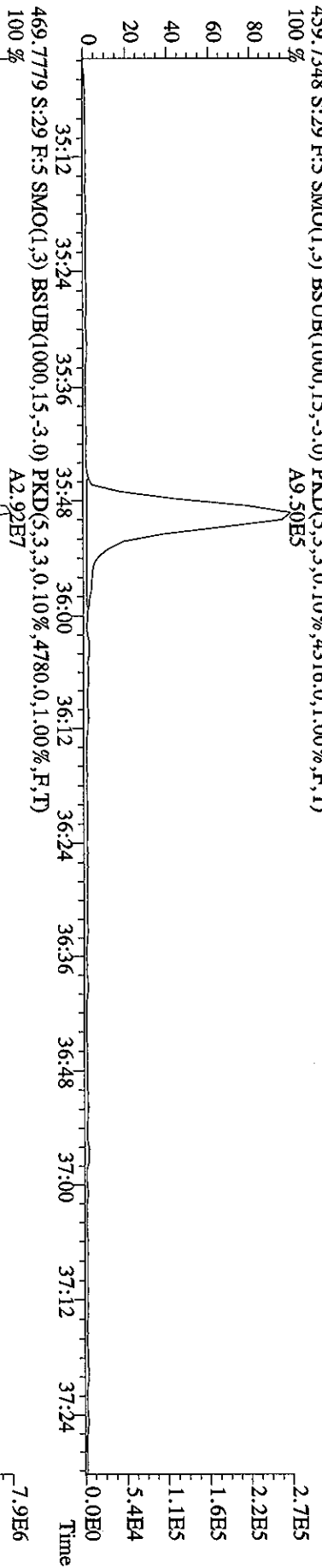
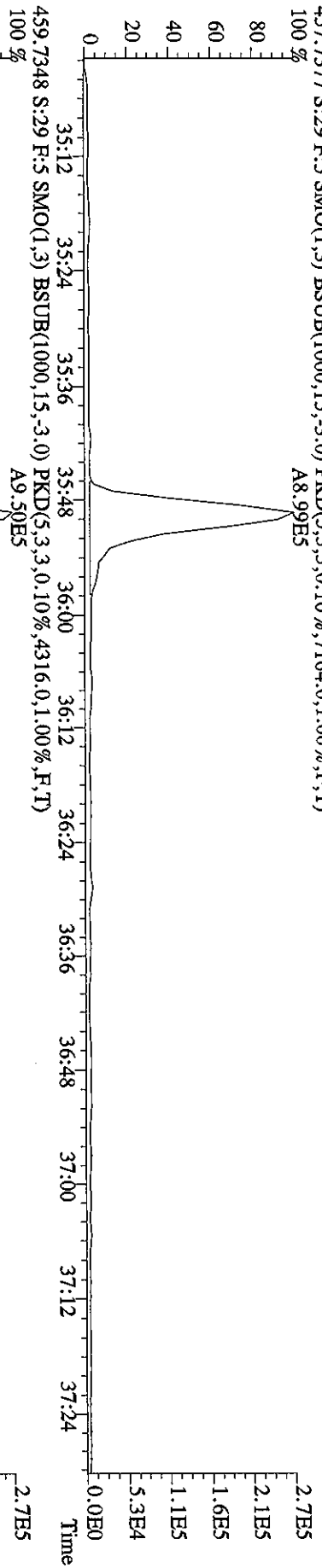
423.7766 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2056.0,1.00%,F,T)



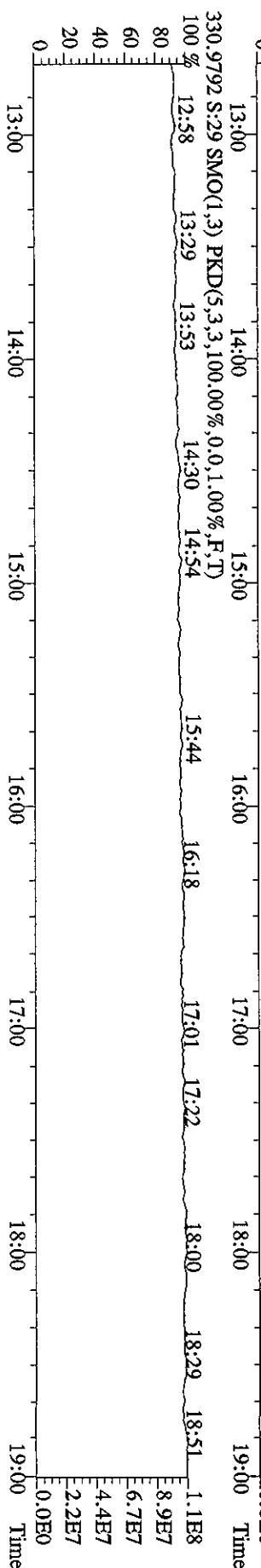
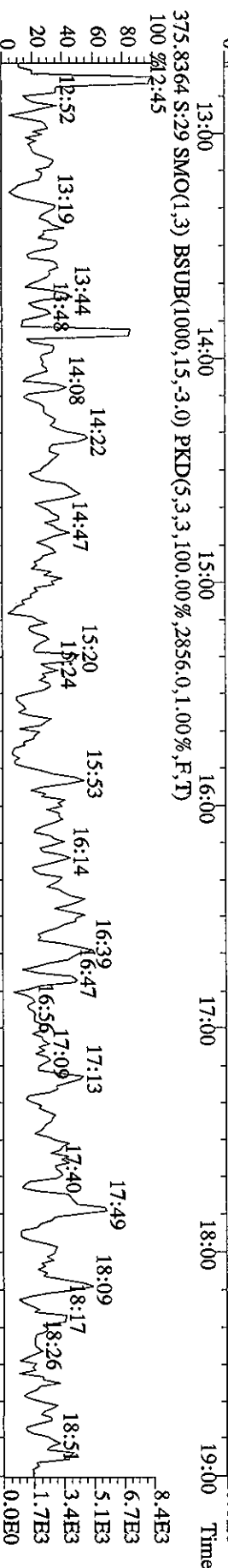
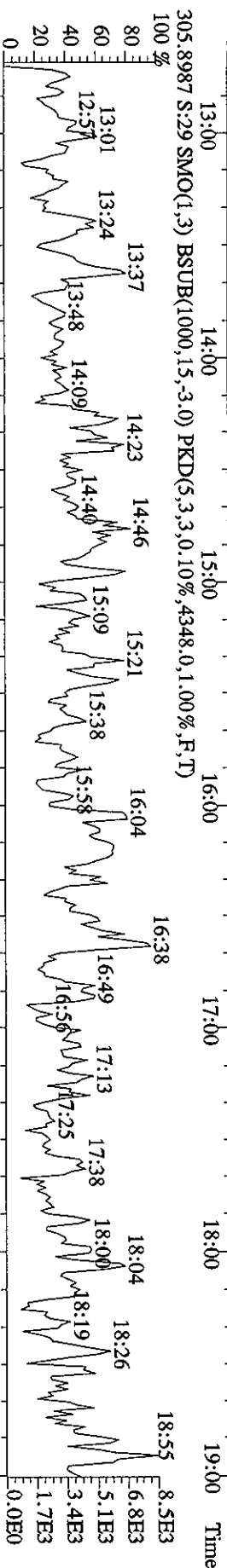
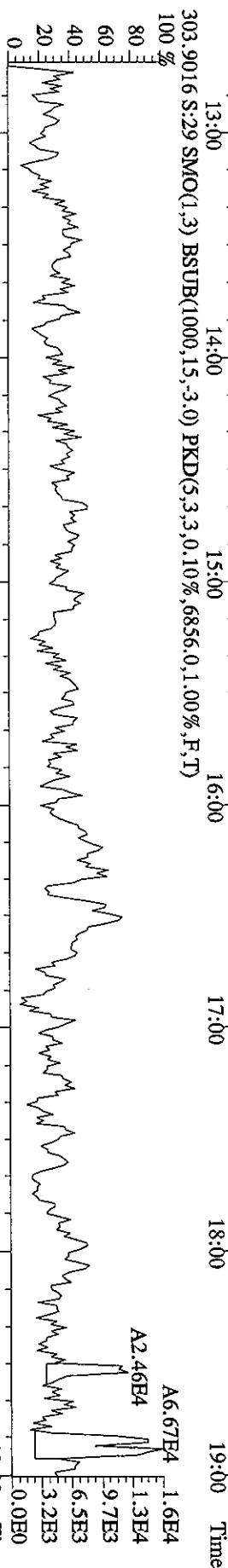
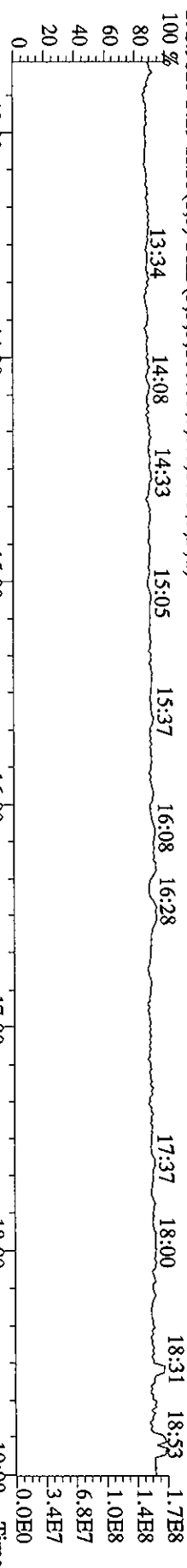
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 Sample#29 Text:HS449-1-AA :G6E120362-1 Exp:DIOXIN  
 441.7428 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3688.0,1.00%,F,T)  
 100% A1.66E5



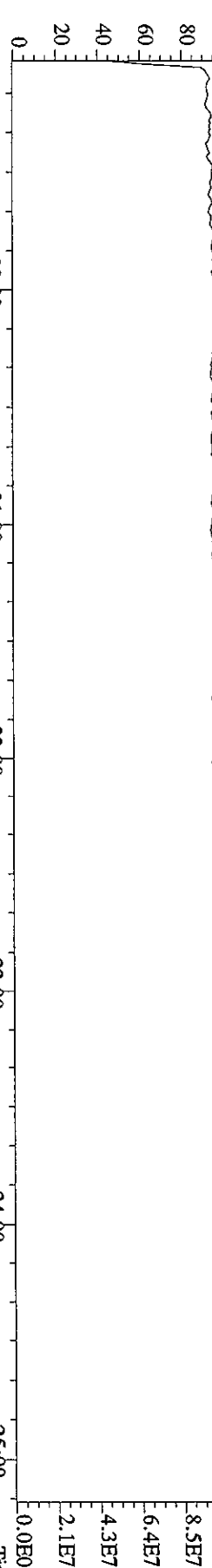
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 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN  
 457.7377 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7164.0,1.00%,F,T)  
 100% A8.99E5



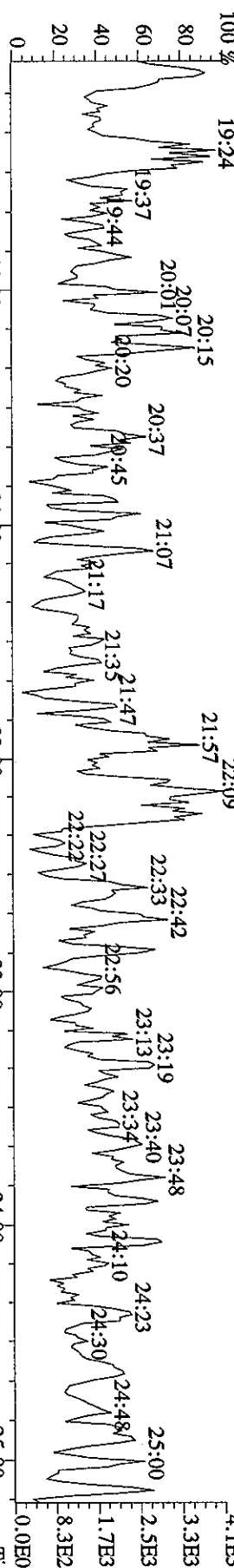
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN  
 292,9825 S:29 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



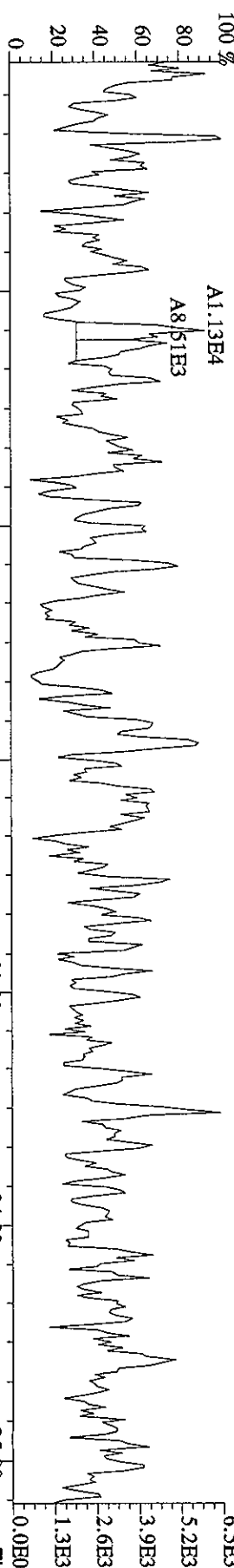
342.9792 S:29 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 19:16 19:46 20:11 20:47 21:30 22:10 22:46 23:13 23:40 24:36



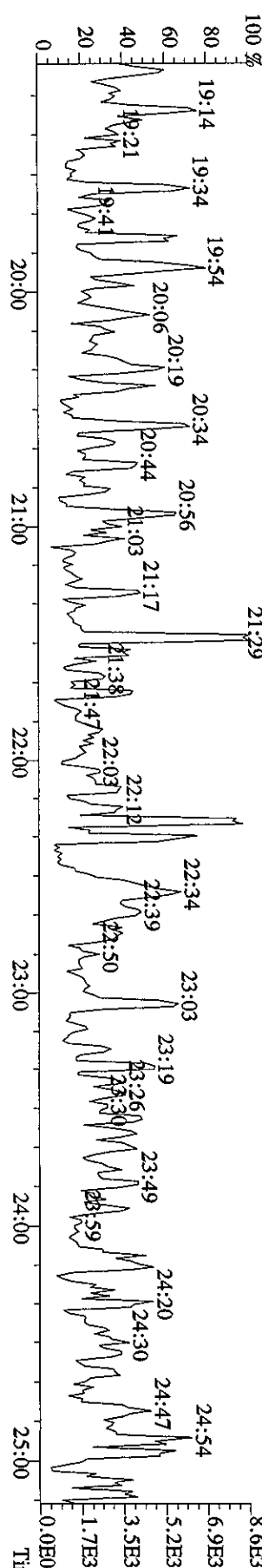
339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1988.0,1.00%,F,T) 19:24 19:37 19:44 20:07 20:15 20:20 20:37 20:45 21:07 21:17 21:35 21:47 21:57 22:09 22:33 22:42 22:56 23:13 23:19 23:34 23:40 23:48 24:10 24:23 24:30 24:48 25:00



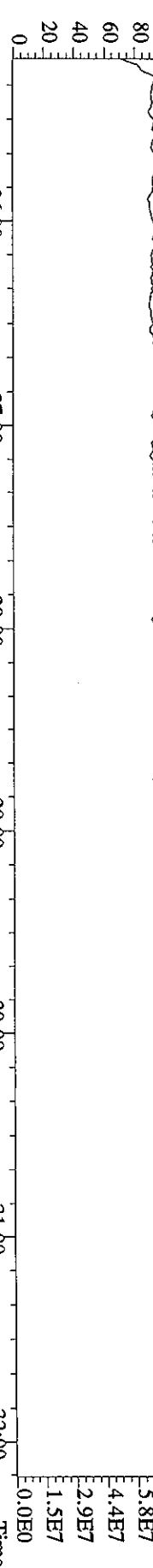
341.8567 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3584.0,1.00%,F,T) 19:37 19:44 20:07 20:15 20:20 20:37 20:45 21:07 21:17 21:35 21:47 21:57 22:09 22:33 22:42 22:56 23:13 23:19 23:34 23:40 23:48 24:10 24:23 24:30 24:48 25:00



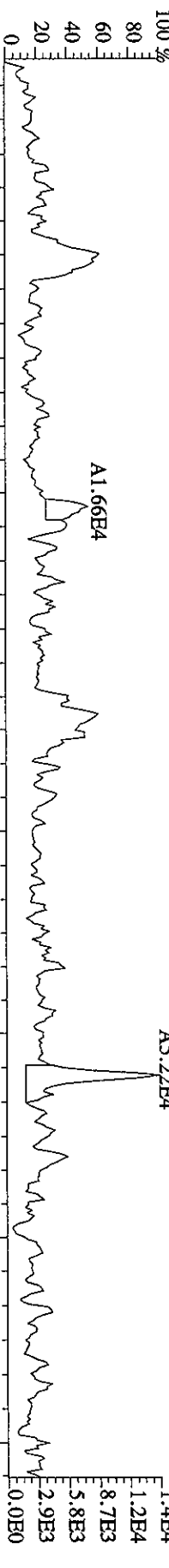
409.7974 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2492.0,1.00%,F,T) 19:14 19:34 19:54 20:06 20:19 20:34 20:44 20:56 21:03 21:17 21:29 21:38 21:47 22:03 22:12 22:34 22:39 22:50 23:03 23:19 23:26 23:30 23:49 24:20 24:30 24:47 24:54



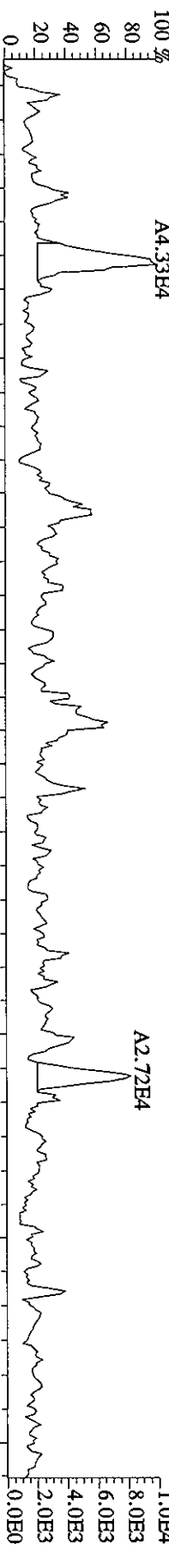
392.9760 S:29 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 27:45 28:10 28:37 29:03 29:41 30:35 31:28  
 100% 25:41 26:03 26:40



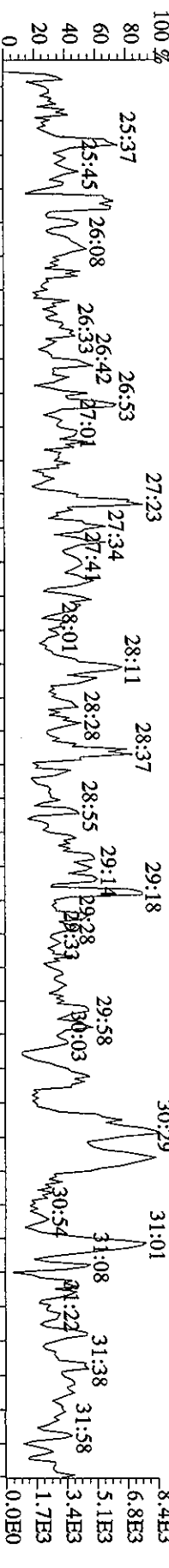
373.8208 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3776.0,1.00%,F,T) 26:00 27:00 28:00 29:00 30:00 31:00 32:00  
 100% 26:00 27:00 28:00 29:00 30:00 31:00 32:00



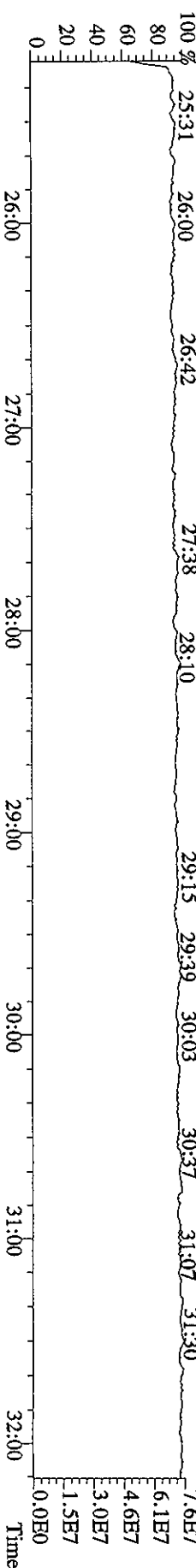
375.8178 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2632.0,1.00%,F,T) 26:00 27:00 28:00 29:00 30:00 31:00 32:00  
 100% 26:00 27:00 28:00 29:00 30:00 31:00 32:00



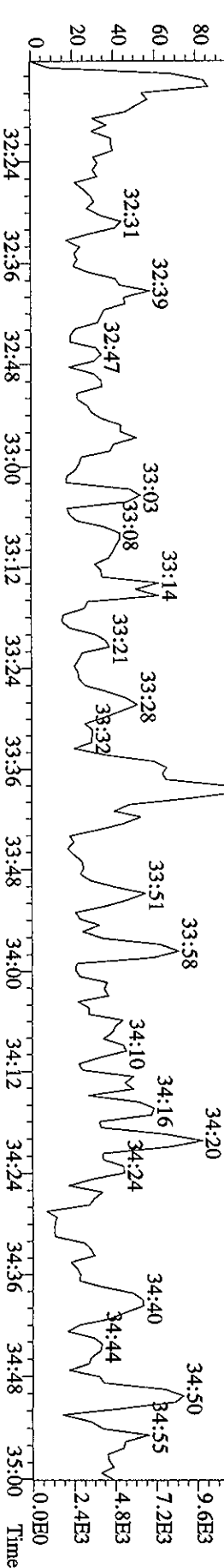
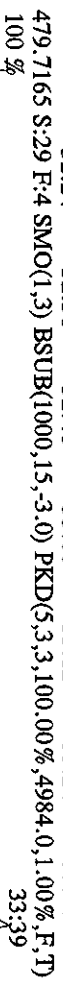
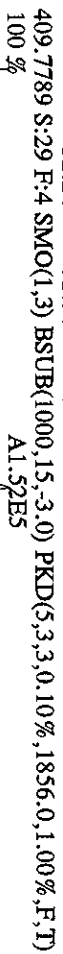
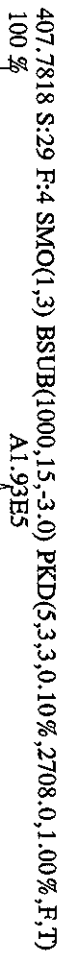
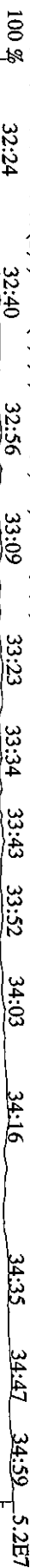
445.7555 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3976.0,1.00%,F,T) 25:37 26:08 26:33 26:42 27:01 27:23 27:34 27:44 28:01 28:11 28:28 28:37 28:55 29:14 29:18 29:28 29:33 29:58 30:03 30:29 30:54 31:01 31:08 31:22 31:38 31:58  
 100% 25:37 26:08 26:33 26:42 27:01 27:23 27:34 27:44 28:01 28:11 28:28 28:37 28:55 29:14 29:18 29:28 29:33 29:58 30:03 30:29 30:54 31:01 31:08 31:22 31:38 31:58



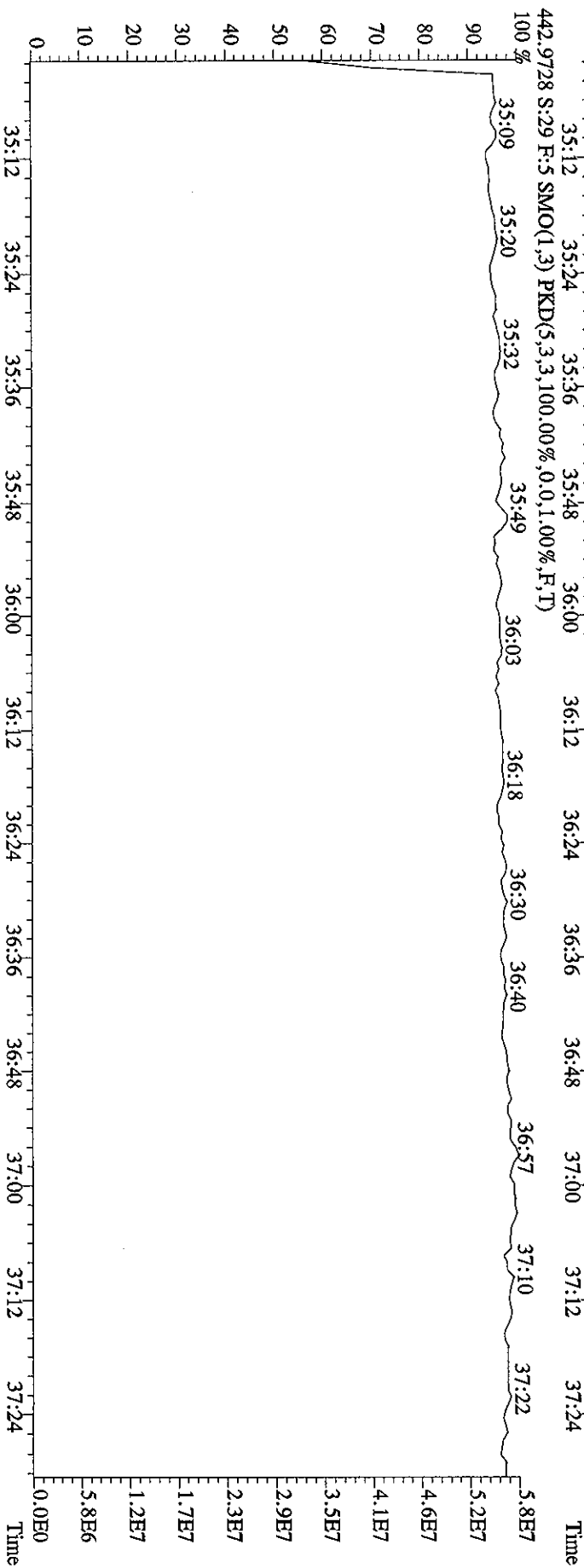
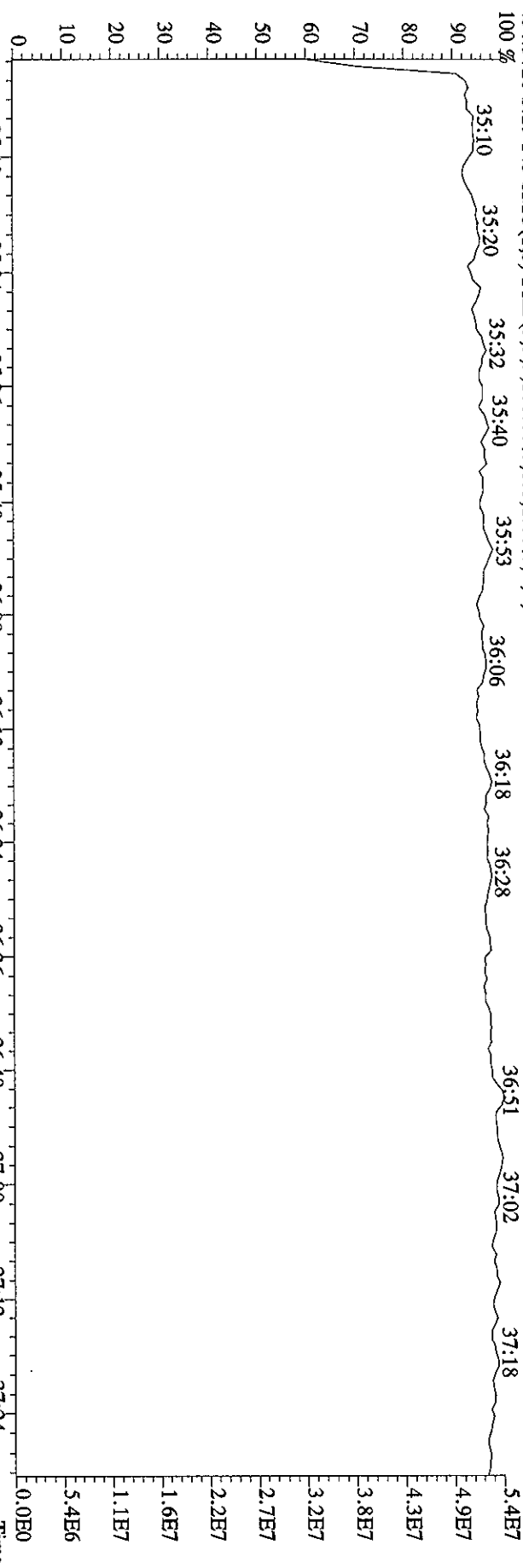
380.9760 S:29 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 25:31 26:00 26:42 27:38 28:10 29:15 29:39 30:03 30:37 31:07 31:30  
 100% 25:31 26:00 26:42 27:38 28:10 29:15 29:39 30:03 30:37 31:07 31:30



7.3E7 5.8E7 4.4E7 2.9E7 1.5E7 0.0E0  
 1.4E4 1.2E4 8.7E3 5.8E3 2.9E3 0.0E0  
 1.0E4 8.0E3 6.0E3 4.0E3 2.0E3 0.0E0  
 8.4E3 6.8E3 5.1E3 3.4E3 1.7E3 0.0E0  
 7.6E7 6.1E7 4.6E7 3.0E7 1.5E7 0.0E0  
 Time Time Time Time Time Time



File: 25MAY06A9D5 #1-201 Acq: 26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text: H5A49-1-AA :G6E120362-1 Exp: DIOXIN  
 454.9728 S:29 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Method ID 8290  
 Column ID DB-5  
 STD ID ST0525C, ST0525D  
 Analyzed by AM  
 Std. Pkg. By AM  
 Std. Pkg. Reviewed By WKH

Associated ICAL 82900105069D5  
 Instrument ID 9D5  
 STD Solution 2565-41C  
 Date Analyzed 5-26-06  
 Date Std. Pkg. Assembled 5-27-06  
 Date Std. Pkg. Reviewed 5/28/06

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: ST0525C File text: ST0525C :CS3 2565-41C  
 Run #21 Filename 25MY06A9D5 S: 21 I: 1  
 Acquired: 26-MAY-06 11:09:14 Processed: 26-MAY-06 12:18:02  
 Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	70199200	0.78 y	16:31	-	100.00	-	n
13C-2,3,7,8-TCDF	103191500	0.77 y	16:02	1.47	100.00	-12.8	n
2,3,7,8-TCDF	9337400	0.80 y	16:03	0.90	10.00	-13.3	n
Total TCDF	9453807	0.40 n	15:42	0.90	10.00	-13.3	n
13C-2,3,7,8-TCDD	61865600	0.78 y	16:41	0.88	100.00	-2.4	n
2,3,7,8-TCDD	7465680	0.79 y	16:43	1.21	10.00	-2.1	n
Total TCDD	7554198	2.13 n	16:02	1.21	10.00	-2.1	n
37Cl-2,3,7,8-TCDD	14757120	1.00 y	16:43	2.10	10.00	-4.9	n
13C-1,2,3,7,8-PeCDF	82395500	1.49 y	20:41	1.17	100.00	-6.2	n
1,2,3,7,8-PeCDF	37232100	1.46 y	20:42	0.90	50.00	-0.2	n
2,3,4,7,8-PeCDF	39478700	1.47 y	21:56	0.96	50.00	0.9	n
Total F2 PeCDF	77988899	1.51 y	19:28	0.93	100.00	0.4	n
Total F1 PeCDF	38898	0.37 n	14:26	0.93	100.00	0.4	n
13C-1,2,3,7,8-PeCDD	42360400	1.47 y	22:35	0.60	100.00	-8.7	n
1,2,3,7,8-PeCDD	25116250	1.53 y	22:36	1.19	50.00	2.2	n
Total PeCDD	25269168	1.41 y	19:06	1.19	50.00	2.2	n
13C-1,2,3,7,8,9-HxCDD	48778500	1.35 y	31:02	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	68535100	0.51 y	28:29	1.41	100.00	-0.1	n
1,2,3,4,7,8-HxCDF	33029100	1.22 y	28:32	0.96	50.00	-7.3	n
1,2,3,6,7,8-HxCDF	34711500	1.21 y	28:50	1.01	50.00	-10.7	n
2,3,4,6,7,8-HxCDF	32058500	1.20 y	30:13	0.94	50.00	-7.1	n
1,2,3,7,8,9-HxCDF	29988100	1.22 y	31:17	0.88	50.00	-6.0	n
Total HxCDF	129787200	1.22 y	28:32	0.95	200.00	-7.9	n
13C-1,2,3,6,7,8-HxCDD	47161400	1.36 y	30:38	0.97	100.00	-2.7	n
1,2,3,4,7,8-HxCDD	23363300	1.17 y	30:30	0.99	50.00	5.6	n
1,2,3,6,7,8-HxCDD	24116000	1.18 y	30:39	1.02	50.00	-3.0	n
1,2,3,7,8,9-HxCDD	26215300	1.22 y	31:04	1.11	50.00	4.1	n
Total HxCDD	73747265	1.17 y	30:30	1.04	150.00	2.1	n
13C-1,2,3,4,6,7,8-HpCDF	51842700	0.45 y	32:54	1.06	100.00	-9.9	n
1,2,3,4,6,7,8-HpCDF	31198000	1.05 y	32:55	1.20	50.00	-5.6	n
1,2,3,4,7,8,9-HpCDF	27223800	1.03 y	33:55	1.05	50.00	-4.4	n
Total HpCDF	58421800	1.05 y	32:55	1.13	100.00	-5.0	n
13C-1,2,3,4,6,7,8-HpCDD	52164800	1.04 y	33:40	1.07	100.00	0.3	n
1,2,3,4,6,7,8-HpCDD	24084000	1.04 y	33:40	0.92	50.00	-3.0	n
Total HpCDD	24207699	3.12 n	32:54	0.92	50.00	-3.0	n
13C-OCDD	92470500	0.88 y	35:49	0.95	200.00	19.1	n
OCDF	58404800	0.91 y	35:55	1.26	100.00	-6.9	n
OCDD	49007900	0.91 y	35:50	1.06	100.00	1.3	n

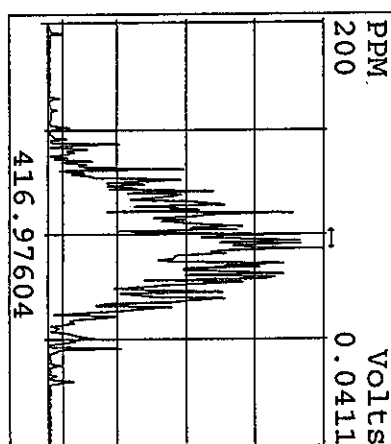
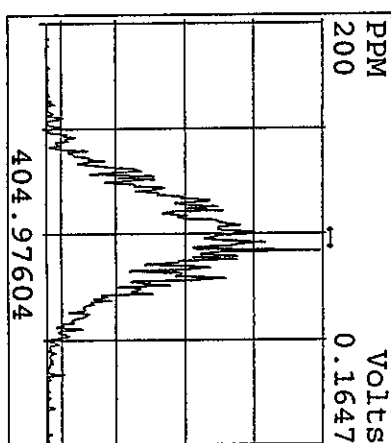
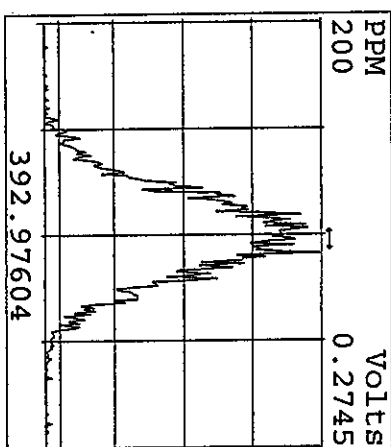
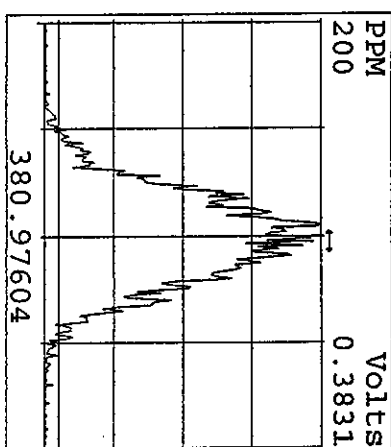
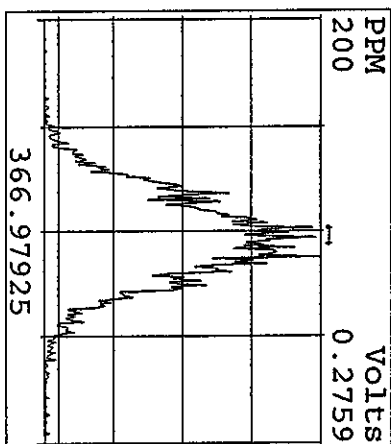
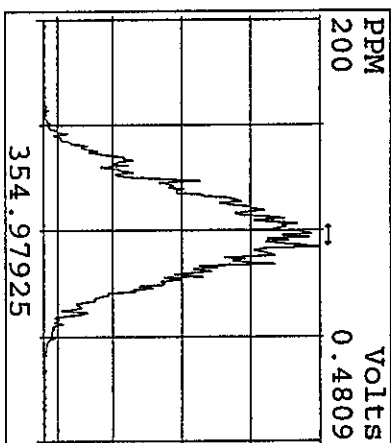
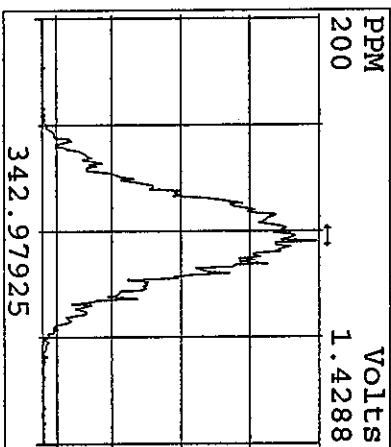
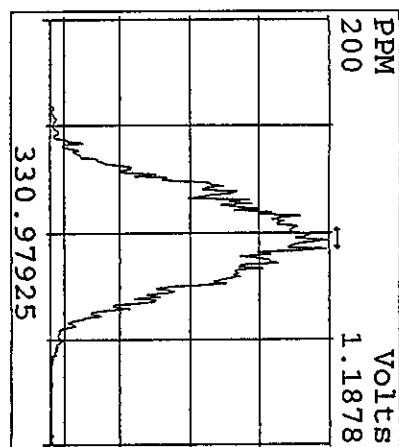
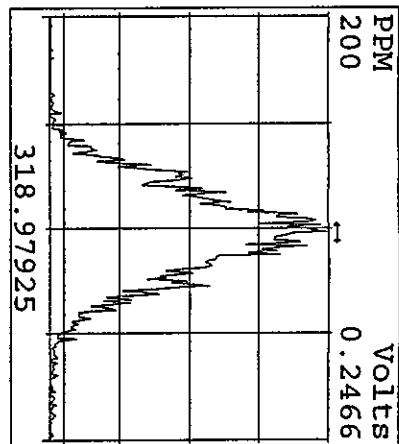
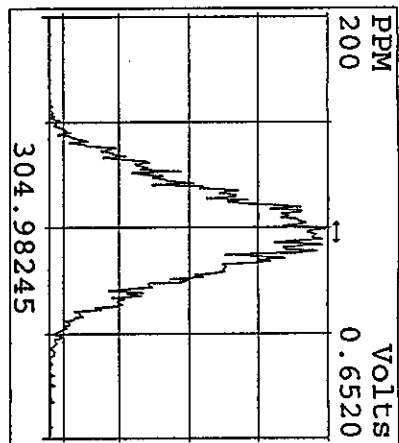
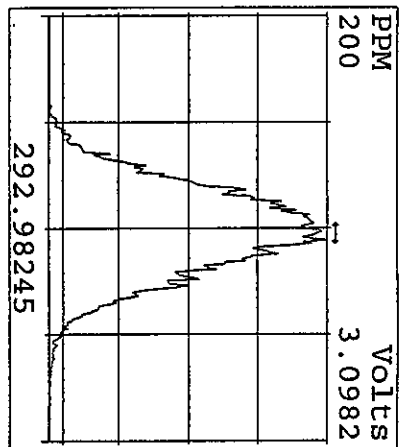
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 Run #30 Filename 25MY06A9D5 S: 40 I: 1  
 Acquired: 27-MAY-06 00:19:46 Processed: 27-MAY-06 00:59:52  
 Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	57544512	0.77 y	16:30	-	100.00	-	n
13C-2,3,7,8-TCDF	79762772	0.76 y	16:02	1.39	100.00	-17.8	n
2,3,7,8-TCDF	7164617	0.80 y	16:03	0.90	10.00	-13.9	n
Total TCDF	7293330	0.93 n	15:41	0.90	10.00	-13.9	n
13C-2,3,7,8-TCDD	51262898	0.77 y	16:42	0.89	100.00	-1.4	n
2,3,7,8-TCDD	5810438	0.74 y	16:43	1.13	10.00	-8.0	n
Total TCDD	5865983	2.38 n	16:02	1.13	10.00	-8.0	n
37Cl-2,3,7,8-TCDD	11818571	1.00 y	16:43	2.05	10.00	-7.1	n
13C-1,2,3,7,8-PeCDF	68394784	1.52 y	20:40	1.19	100.00	-5.1	n
1,2,3,7,8-PeCDF	28845074	1.48 y	20:42	0.84	50.00	-6.8	n
2,3,4,7,8-PeCDF	30721629	1.49 y	21:56	0.90	50.00	-5.5	n
Total F2 PeCDF	60139834	1.48 y	20:42	0.87	100.00	-6.1	n
Total F1 PeCDF	*	* n	NotFnd	0.87	100.00	-6.1	n
13C-1,2,3,7,8-PeCDD	39828178	1.51 y	22:34	0.69	100.00	4.7	n
1,2,3,7,8-PeCDD	22351797	1.60 y	22:36	1.12	50.00	-3.3	n
Total PeCDD	22720674	1.74 y	20:40	1.12	50.00	-3.3	n
13C-1,2,3,7,8,9-HxCDD	43281532	1.31 y	31:02	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	57437612	0.52 y	28:28	1.33	100.00	-5.7	n
1,2,3,4,7,8-HxCDF	26958653	1.21 y	28:31	0.94	50.00	-9.7	n
1,2,3,6,7,8-HxCDF	28678803	1.23 y	28:48	1.00	50.00	-12.0	n
2,3,4,6,7,8-HxCDF	26275065	1.21 y	30:12	0.91	50.00	-9.2	n
1,2,3,7,8,9-HxCDF	24491375	1.22 y	31:17	0.85	50.00	-8.4	n
Total HxCDF	106561225	1.21 y	28:31	0.93	200.00	-9.9	n
13C-1,2,3,6,7,8-HxCDD	43080094	1.29 y	30:37	1.00	100.00	0.2	n
1,2,3,4,7,8-HxCDD	20065039	1.20 y	30:30	0.93	50.00	-0.7	n
1,2,3,6,7,8-HxCDD	22464717	1.21 y	30:38	1.04	50.00	-1.1	n
1,2,3,7,8,9-HxCDD	22240515	1.23 y	31:03	1.03	50.00	-3.4	n
Total HxCDD	64770271	1.20 y	30:30	1.00	150.00	-1.8	n
13C-1,2,3,4,6,7,8-HpCDF	42633003	0.46 y	32:54	0.99	100.00	-16.5	n
1,2,3,4,6,7,8-HpCDF	25250401	1.05 y	32:55	1.18	50.00	-7.1	n
1,2,3,4,7,8,9-HpCDF	22799855	1.06 y	33:55	1.07	50.00	-2.6	n
Total HpCDF	48237406	1.05 y	32:55	1.13	100.00	-5.0	n
13C-1,2,3,4,6,7,8-HpCDD	43543672	1.04 y	33:40	1.01	100.00	-5.7	n
1,2,3,4,6,7,8-HpCDD	19845238	1.04 y	33:40	0.91	50.00	-4.2	n
Total HpCDD	20128640	2.25 n	32:54	0.91	50.00	-4.2	n
13C-OCDD	74263616	0.91 y	35:50	0.86	200.00	7.8	n
OCDF	45372616	0.91 y	35:55	1.22	100.00	-10.0	n
OCDD	38598386	0.91 y	35:50	1.04	100.00	-0.6	n

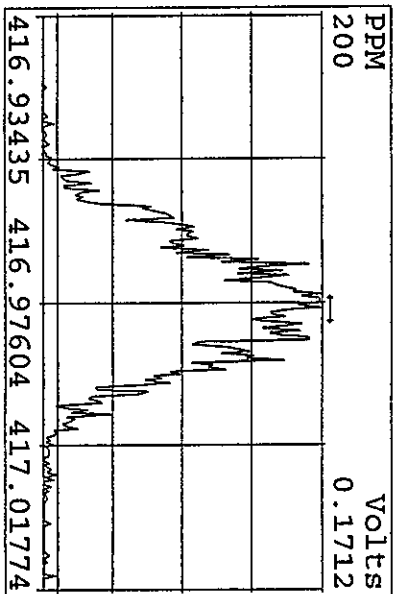
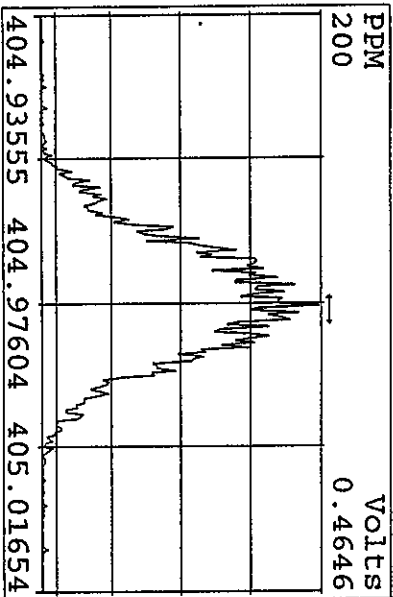
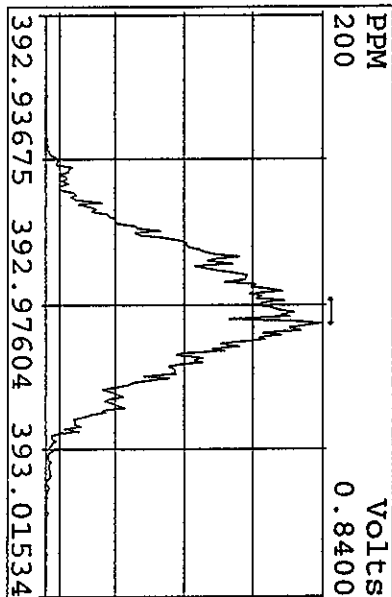
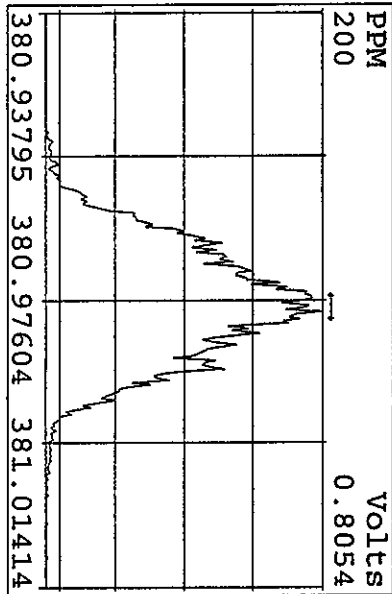
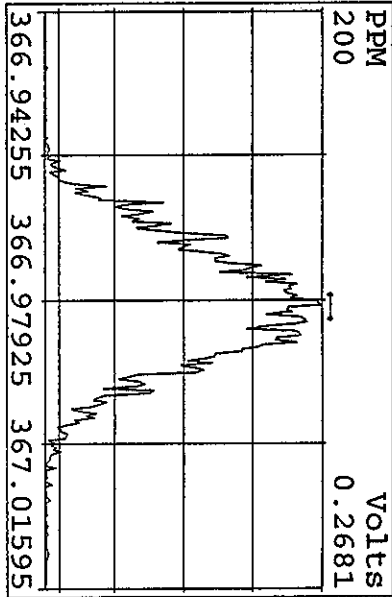
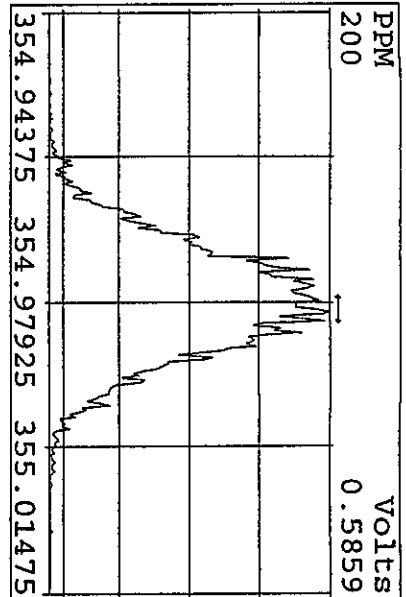
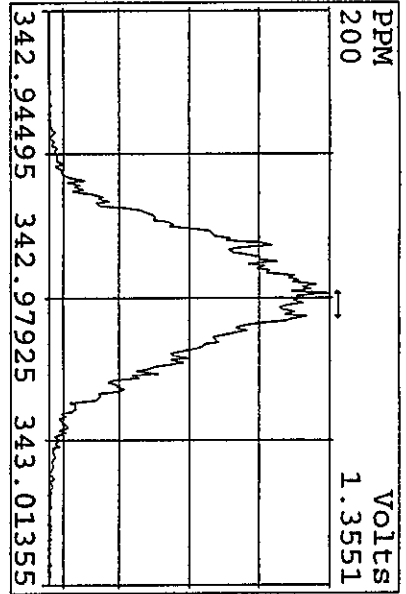
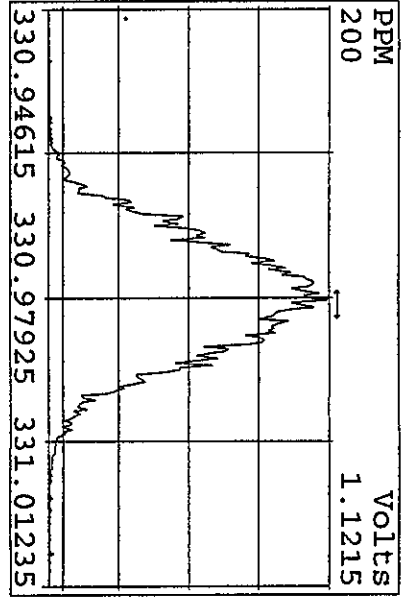
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25MY06A9D5	3	CP0525	DB-5 CPSM 2565-47				1.00000	
25MY06A9D5	4	SB0525A	Solvent Blank C-14				1.00000	
25MY06A9D5	5	H547C-1-AA	G6E240000-677B	20	8290/SOLID	81	10.00000	g
25MY06A9D5	6	H547C-1-AC	G6E240000-677C	20	8290/SOLID		10.00000	g
25MY06A9D5	7	H5JLL-2-AC	A6E170156-1RX	20	8290/SOLID		10.00000	g
25MY06A9D5	8	H5JLM-2-AC	A6E170156-2RX	20	8290/SOLID		10.00000	g
25MY06A9D5	9	H5JLP-2-AC	A6E170156-3RX	20	8290/SOLID		10.00000	g
25MY06A9D5	10	H5JLR-2-AC	A6E170156-4RX	20	8290/SOLID		10.00000	g
25MY06A9D5	11	H5JLR-1-AH	A6E170156-4S	20	8290/SOLID		10.00000	g
25MY06A9D5	12	H5JLR-1-AJ	A6E170156-4D	20	8290/SOLID		10.00000	g
25MY06A9D5	13	H5JL0-2-AC	A6E170156-5RX	20	8290/SOLID		10.00000	g
25MY06A9D5	14	H5JL1-2-AC	A6E170156-6RX	20	8290/SOLID		10.00000	g
25MY06A9D5	15	H5JL2-2-AC	A6E170156-7RX	20	8290/SOLID		10.00000	g
25MY06A9D5	16	H512K-1-AC	G6E230000-575C	20	8290/SOLID		10.00000	g
25MY06A9D5	17	H5M2A-1-AX	C6E180146-1	20	8290/SOLID		10.00000	g
25MY06A9D5	18	H5M2L-1-AX	C6E180146-2	20	8290/SOLID		10.00000	g
25MY06A9D5	19	SB0525B	Solvent Blank C-14				1.00000	
25MY06A9D5	20	CP0525A	DB-5 CPSM 2565-47				1.00000	
25MY06A9D5	21	ST0525C	CS3 2565-41C				1.00000	
25MY06A9D5	22	SB0525C	Solvent Blank C-14				1.00000	
25MY06A9D5	23	H512K-1-AA	G6E230000-575B	20	8290/SOLID	81	10.00000	g
25MY06A9D5	24	H5169-1-AA	G6E230000-628B	20	8290/WATER	80	1.00000	L
25MY06A9D5	25	H5169-1-AC	G6E230000-628C	20	8290/WATER		1.00000	L
25MY06A9D5	26	H5169-1-AD	G6E230000-628L	20	8290/WATER		1.00000	L
25MY06A9D5	27	H5JE7-1-AC	G6E170121-1	20	8290/WATER		0.94170	L
25MY06A9D5	28	H5JE9-1-AC	G6E170121-2	20	8290/WATER		0.89770	L
25MY06A9D5	29	H5A49-1-AA	G6E120362-1	20	8290/WATER		1.01680	L
25MY06A9D5	30	H5HL4-1-AA	G6E160358-1	20	8290/WATER		1.04680	L
25MY06A9D5	31	MB	A6E220167-1MBRX	20	1613B/WIPE	81	0.25000	Wip
25MY06A9D5	32	LCS	A6E220167-1LCSRX	20	1613B/WIPE		0.25000	Wip
25MY06A9D5	33	H5XJR-2-AA	A6E220167-1RX	20	1613B/WIPE		0.25000	Wip
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25MY06A9D5	35	H5XJV-2-AA	A6E220167-3RX	20	1613B/WIPE		0.25000	Wip
25MY06A9D5	36	H5XJW-2-AA	A6E220167-4RX	20	1613B/WIPE		0.25000	Wip
25MY06A9D5	37	H5XJX-2-AA	A6E220167-5RX	20	1613B/WIPE		0.25000	Wip
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25MY06A9D5	39	CP0525B	DB-5 CPSM 2565-47				1.00000	
25MY06A9D5	40	ST0525D	CS3 2565-41C				1.00000	
25MY06A9D5	41	SB0525E	Solvent Blank C-14				1.00000	
25MY06A9D5	42	H6AXE-1-AA	G6E260000-438B	20	0023A/8290/AIR	82	0.25000	Sam
25MY06A9D5	43	H6AXE-1-AE	G6E260000-438BF	20	0023A/8290/AIR		0.25000	Sam
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25MY06A9D5	45	H6AXE-1-AD	G6E260000-438L	20	0023A/8290/AIR		0.25000	Sam
25MY06A9D5	46	H5CG3-2-AA	G6E120409-1RX	20	0023A/8290/AIR		0.25000	Sam
25MY06A9D5	47	H5CG6-2-AA	G6E120409-3RX	20	0023A/8290/AIR		0.25000	Sam
25MY06A9D5	48	H5CG9-2-AA	G6E120409-5RX	20	0023A/8290/AIR		0.25000	Sam
25MY06A9D5	49	H5CHE-2-AA	G6E120409-7RX	20	0023A/8290/AIR		0.25000	Sam
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25MY06A9D5	51	H5CG5-2-AA	G6E120409-2RX	20	0023A/8290/AIR		0.25000	Sam
25MY06A9D5	52	H5CG8-2-AA	G6E120409-4RX	20	0023A/8290/AIR		0.25000	Sam
25MY06A9D5	53	H5CHD-2-AA	G6E120409-6RX	20	0023A/8290/AIR		0.25000	Sam

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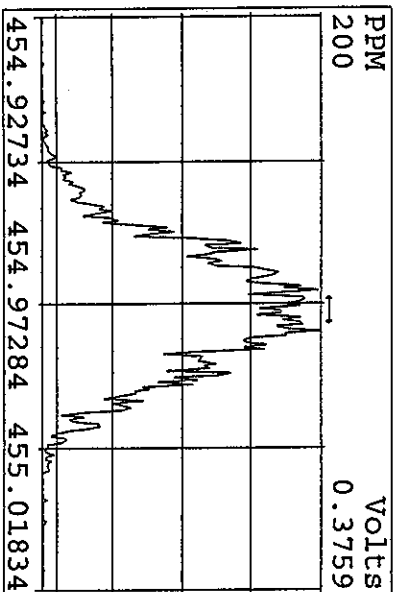
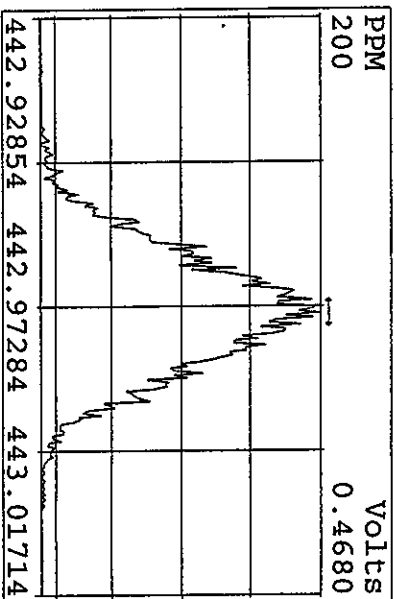
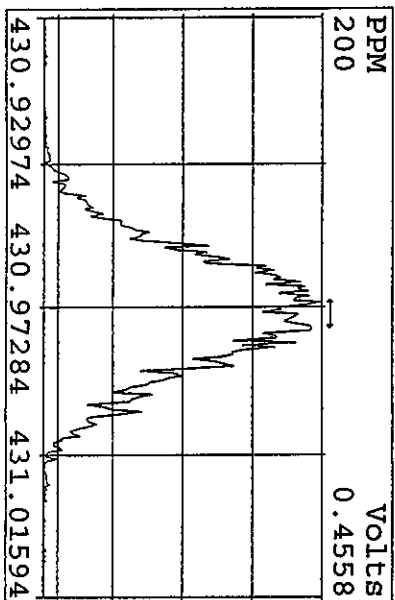
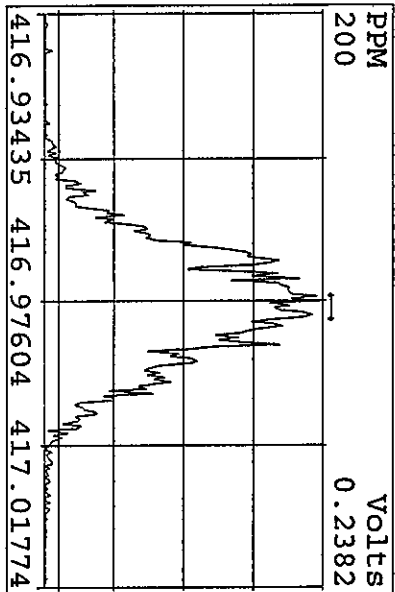
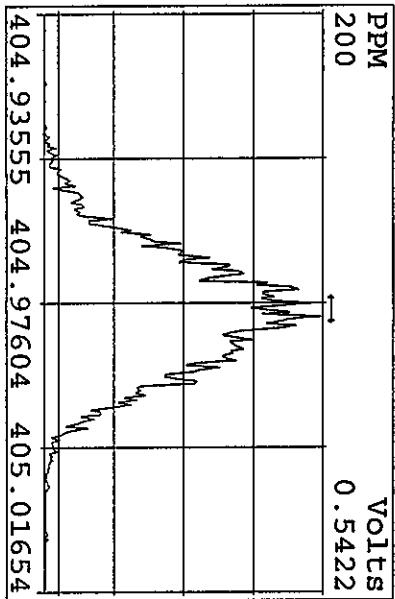
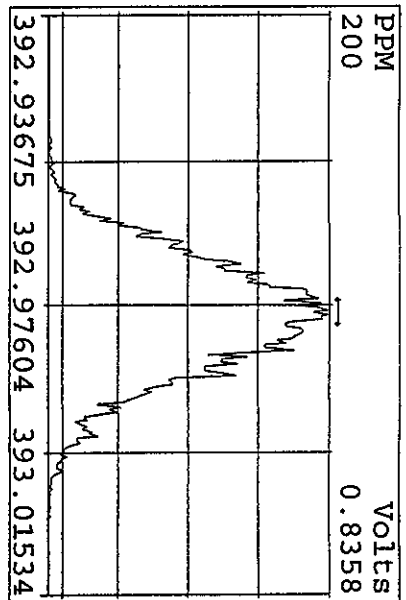
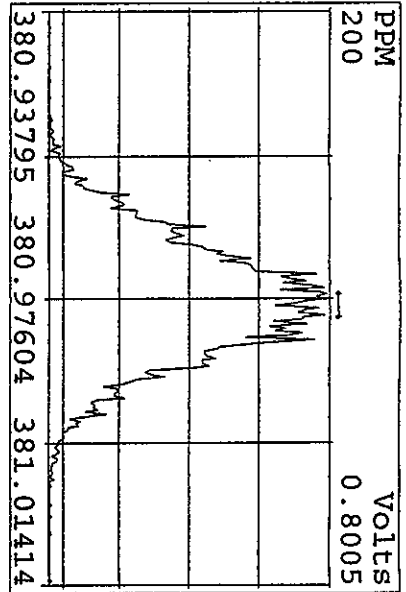
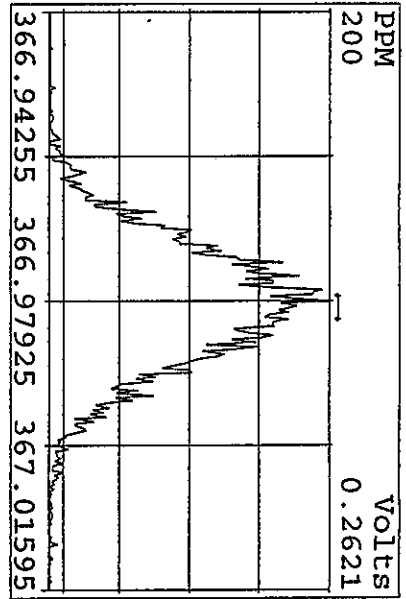
Peak Locate Examination: 25-MAY-2006: 21:11 File: 25MY06A9D5  
Experiment: DIOXIN Function: 1 Reference: PFK



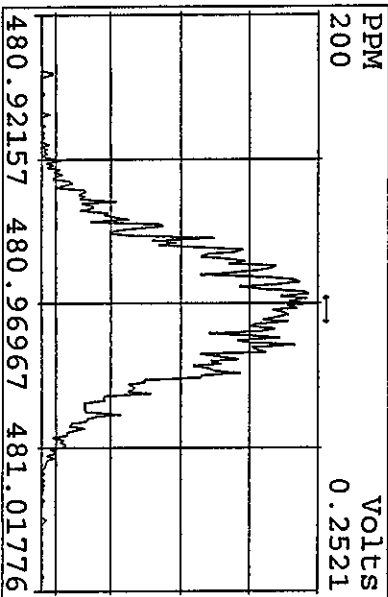
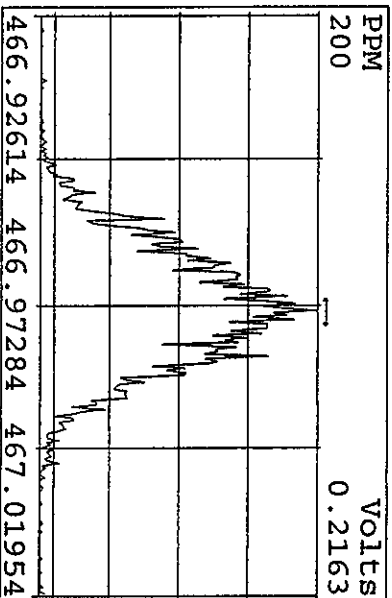
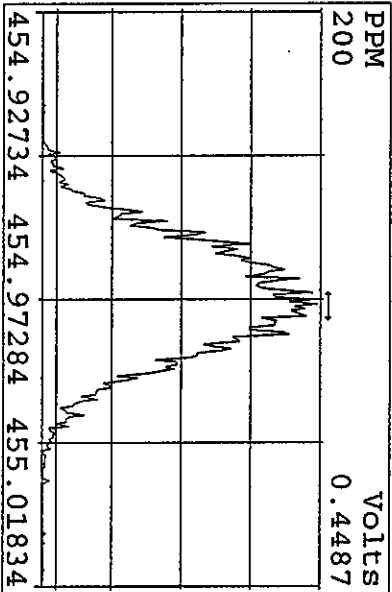
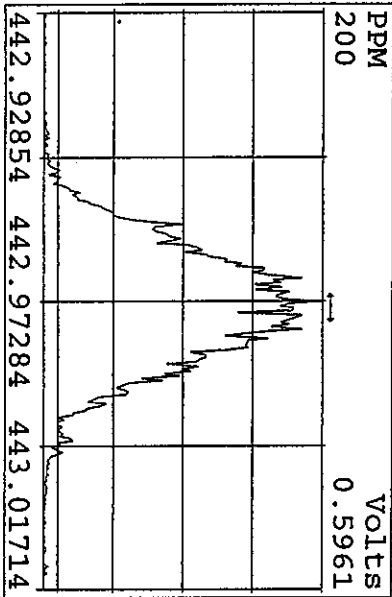
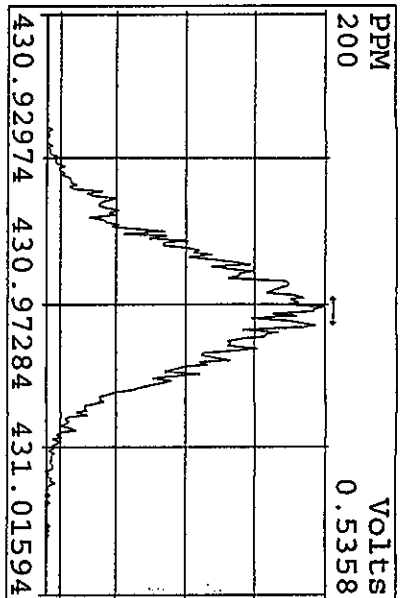
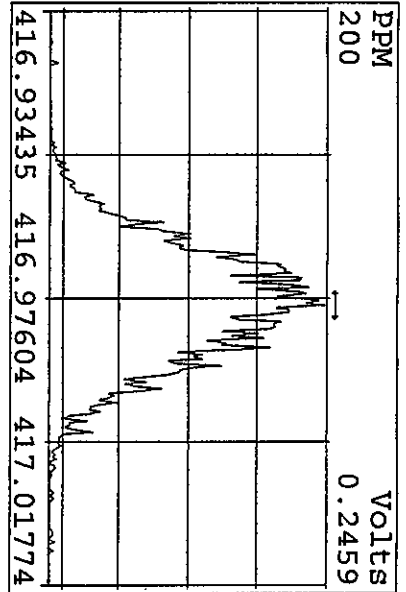
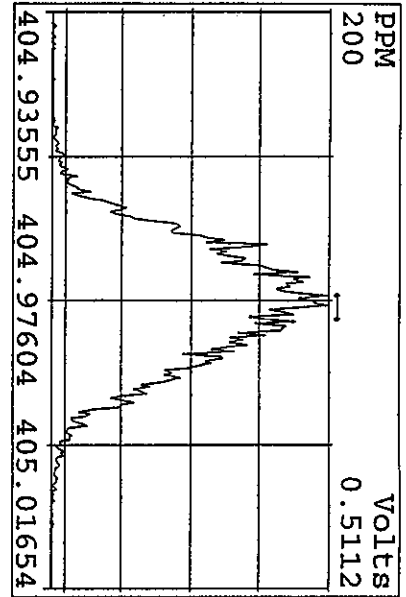
Peak Locate Examination: 25-MAY-2006: 21:13 File: 25MY06A9D5  
 Experiment: DIOXIN Function: 2 Reference: PFK



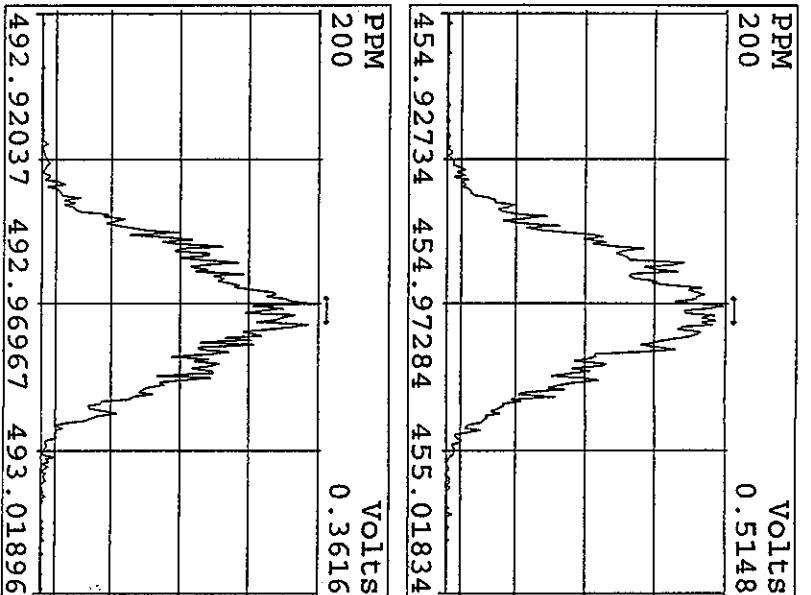
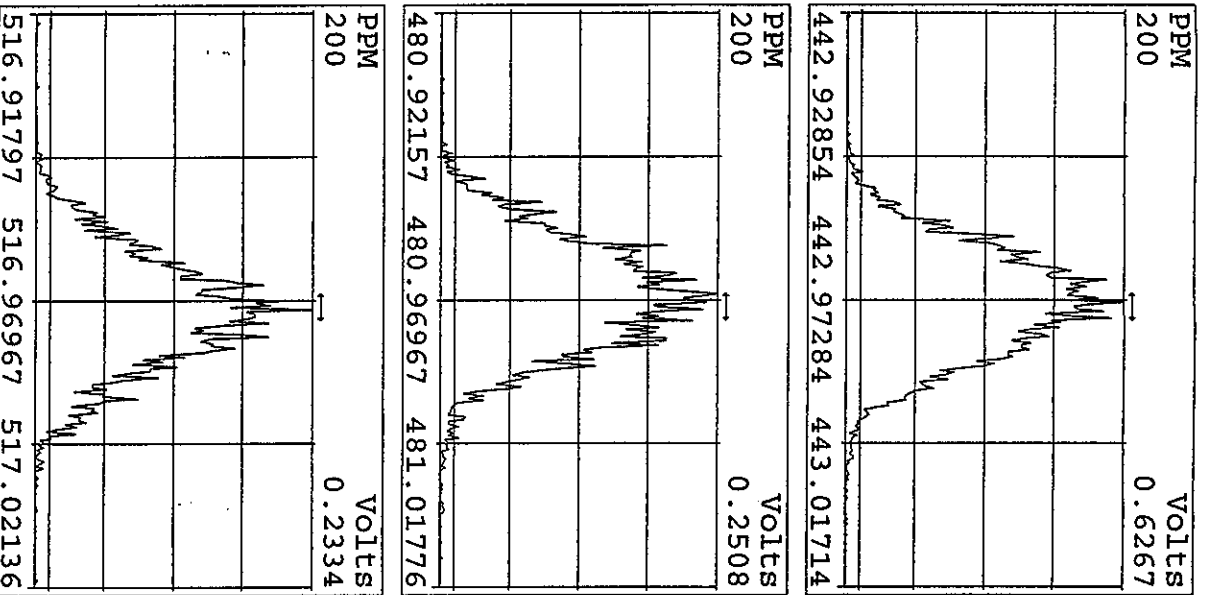
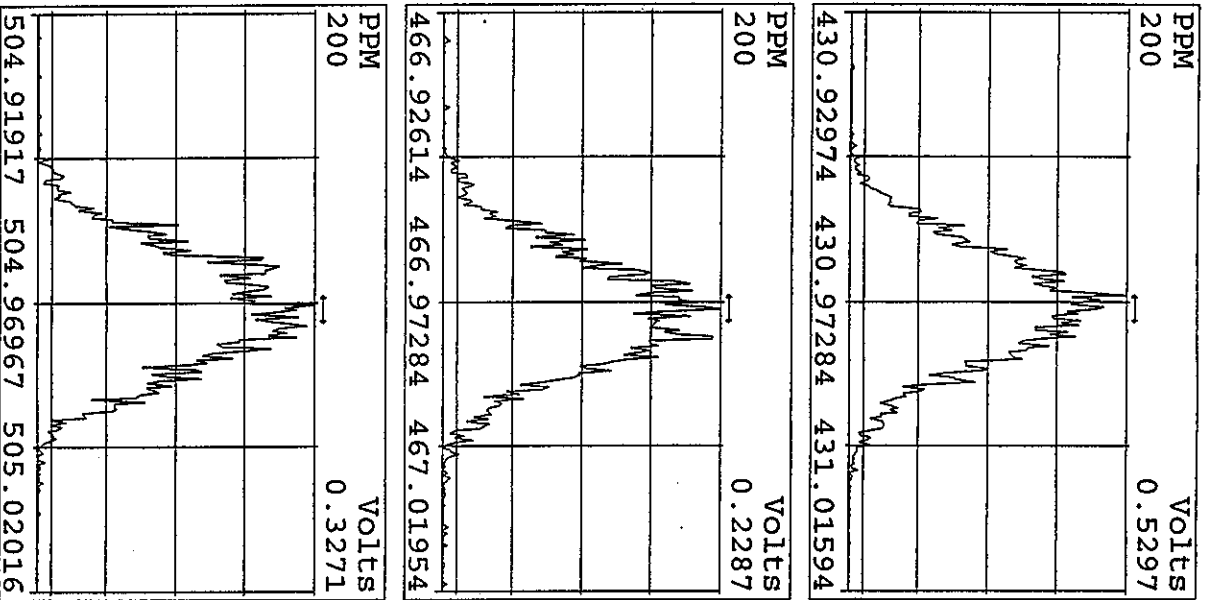
Peak Locate Examination: 25-MAY-2006: 21:14 File: 25MY06A9D5  
 Experiment: DIOXIN Function: 3 Reference: PFK



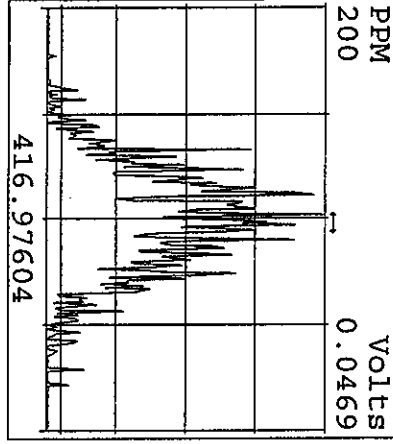
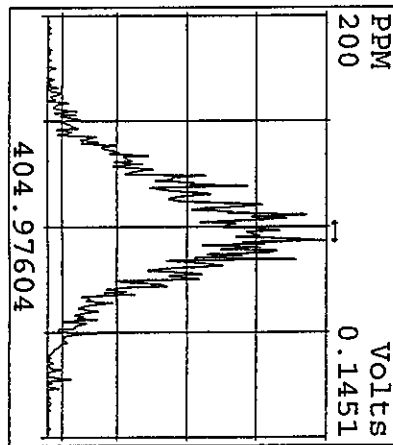
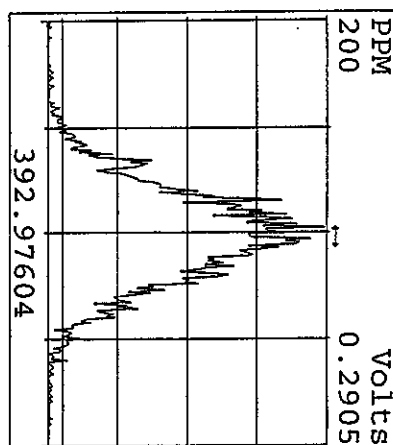
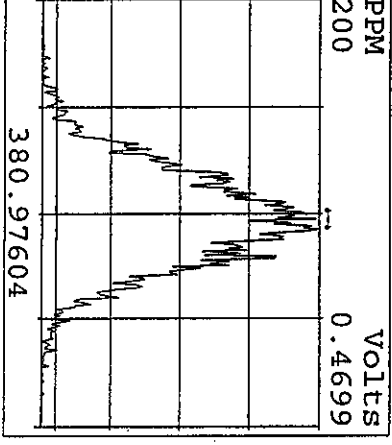
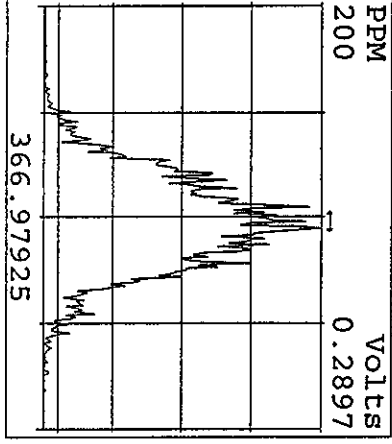
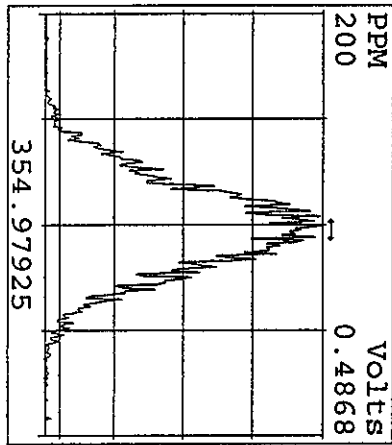
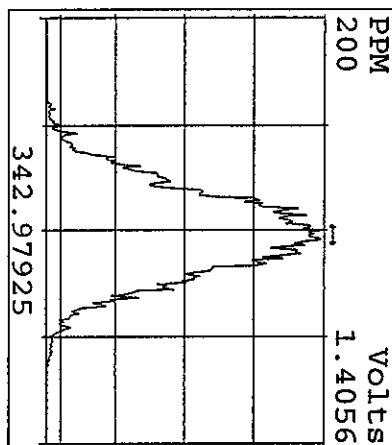
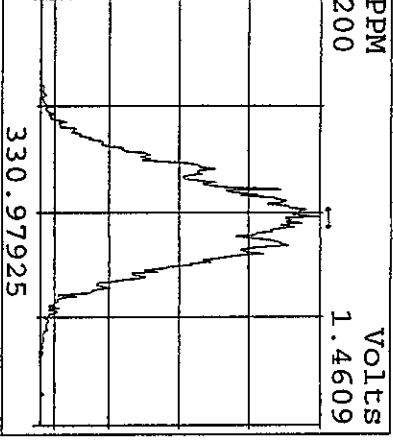
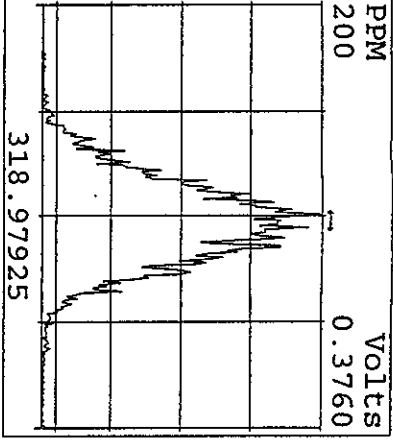
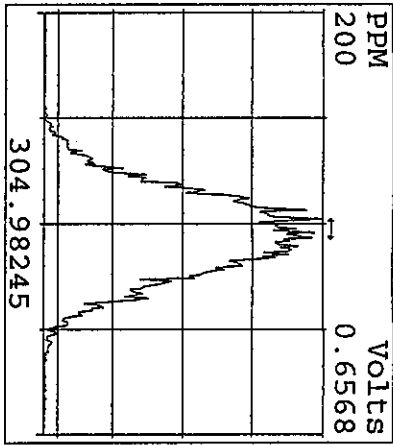
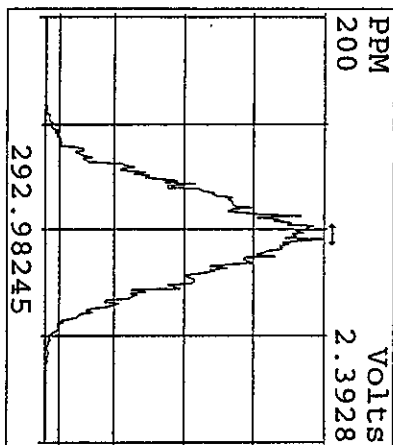
Peak Locate Examination: 25-MAY-2006: 21:15 File: 25MY06A9D5  
 Experiment: DIOXIN Function: 4 Reference: PFK



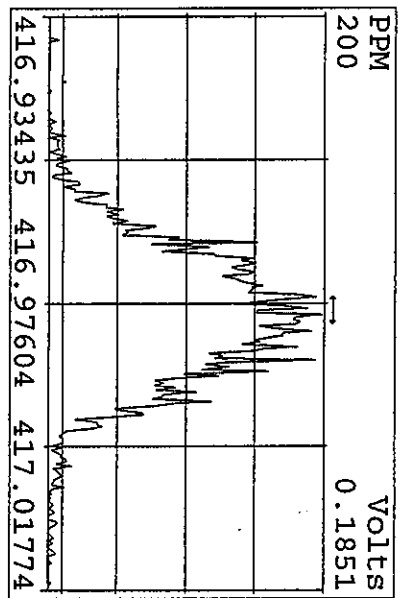
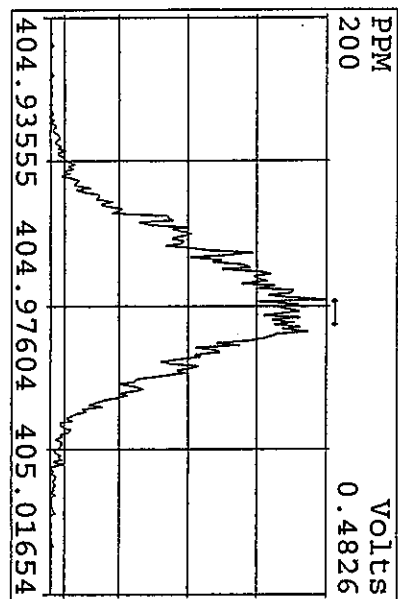
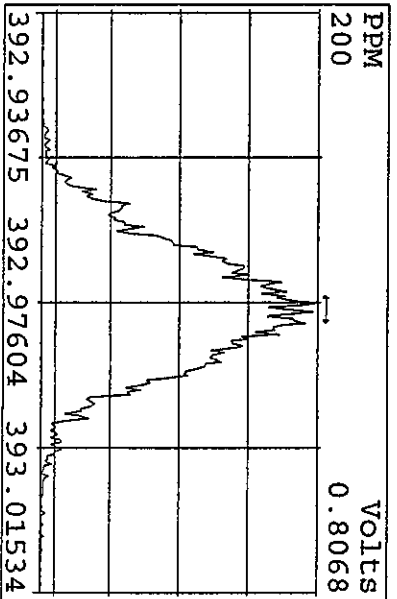
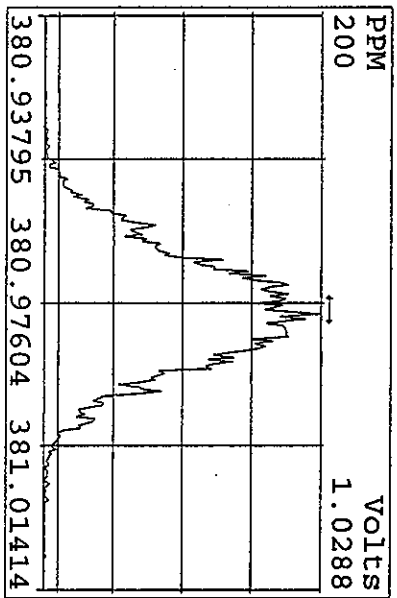
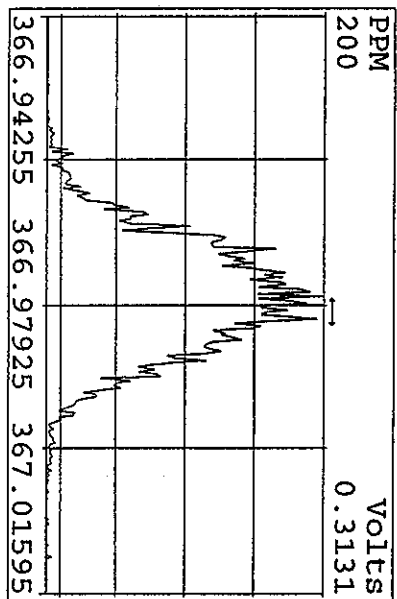
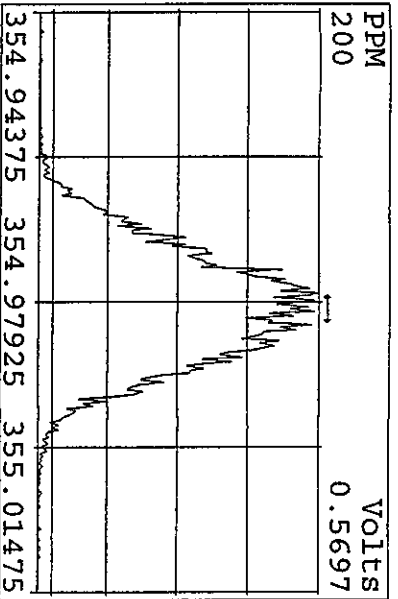
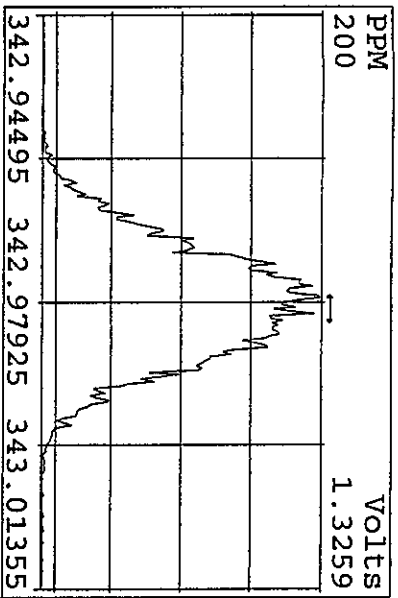
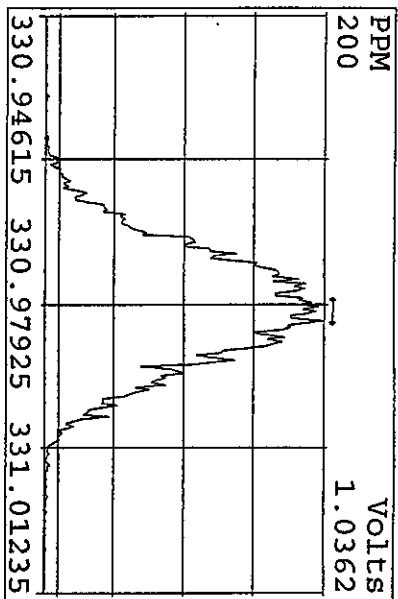
Peak Locate Examination: 25-MAY-2006: 21:15 File: 25MY06A9D5  
Experiment: DIOXIN Function: 5 Reference: PFK



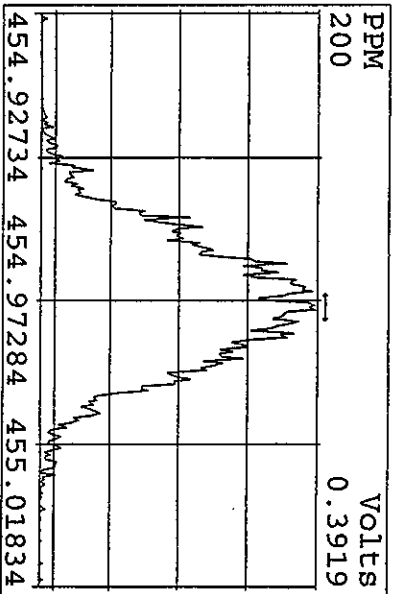
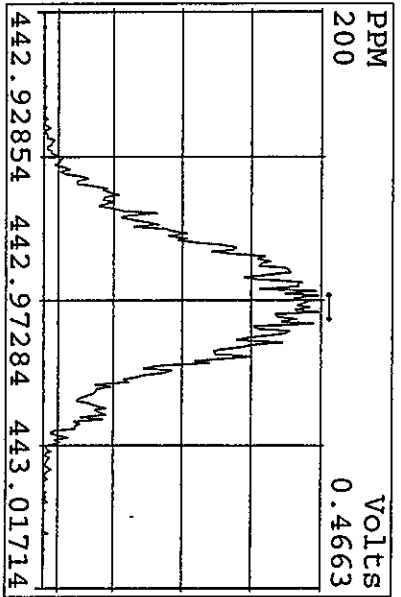
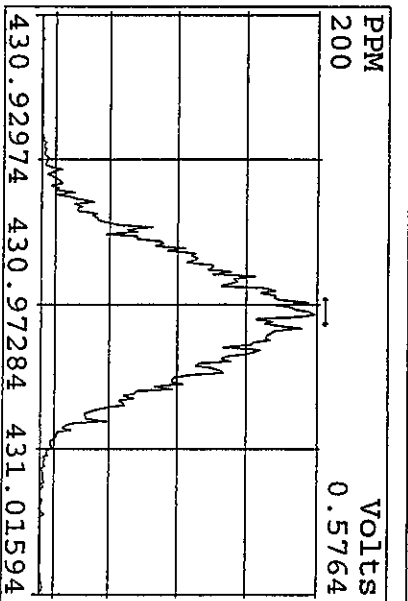
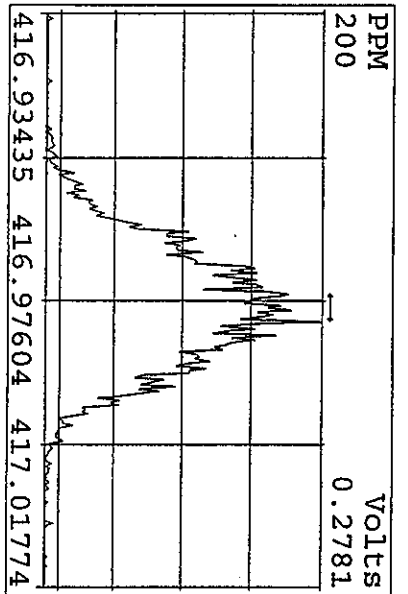
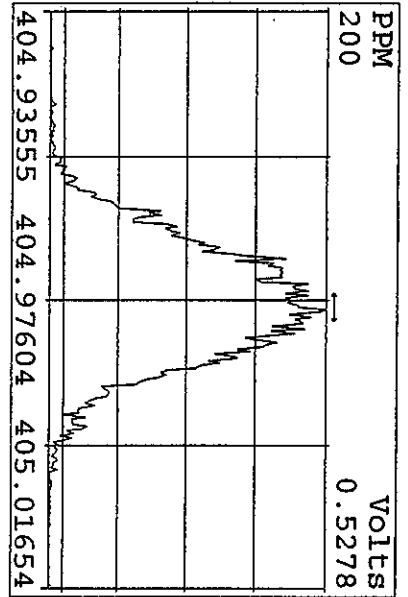
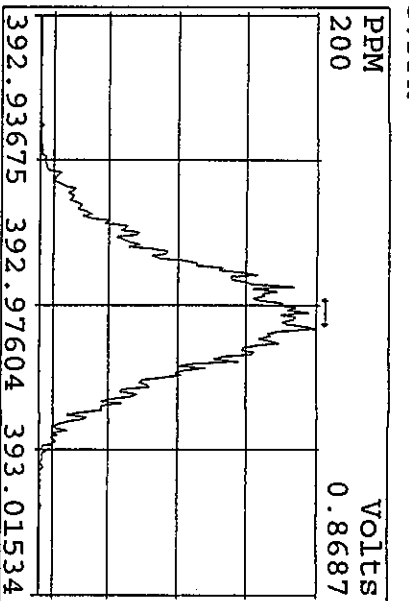
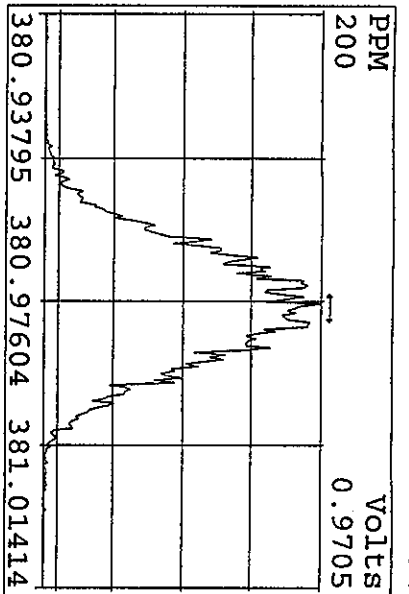
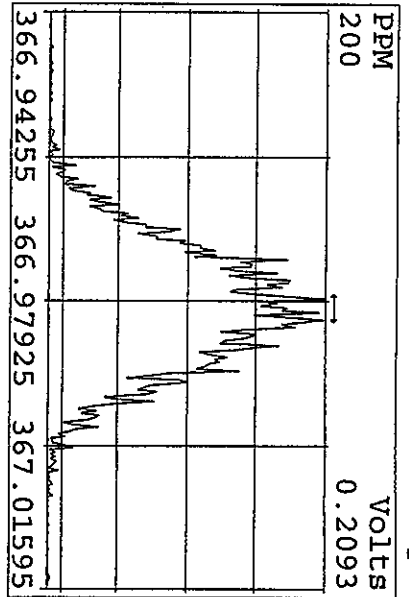
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Experiment: DIOXIN Function: 1 Reference: PFK



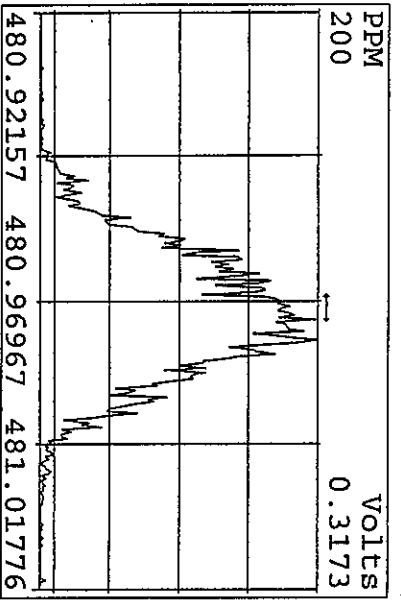
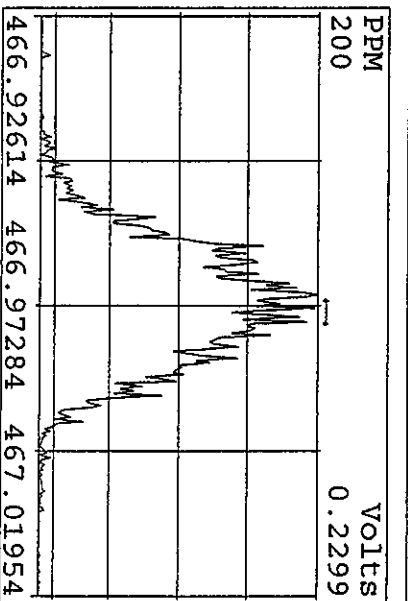
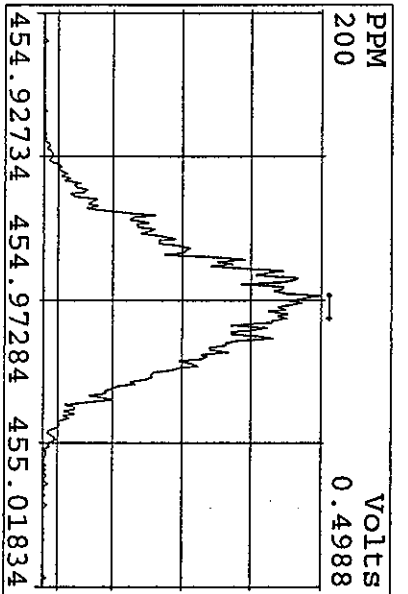
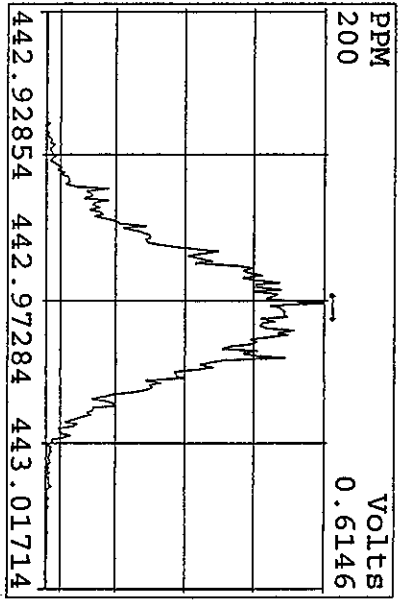
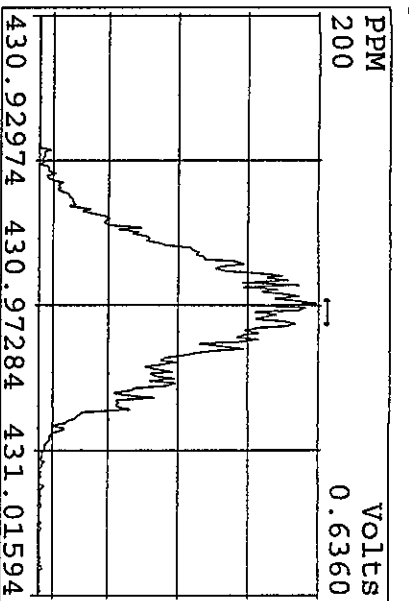
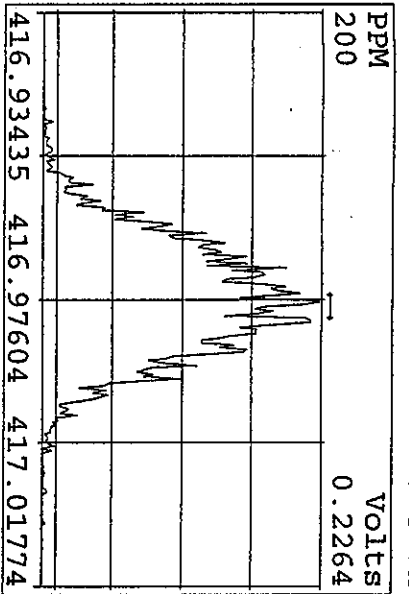
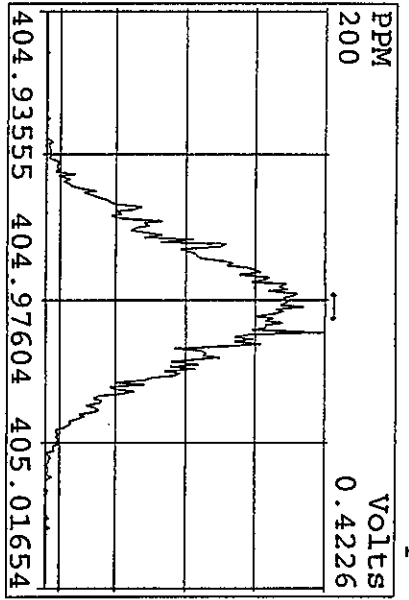
Peak Locate Examination: 27-MAY-2006:15:03 File: RESCHK25MWY06A9D5  
 Experiment: DIOXIN Function: 2 Reference: PFK



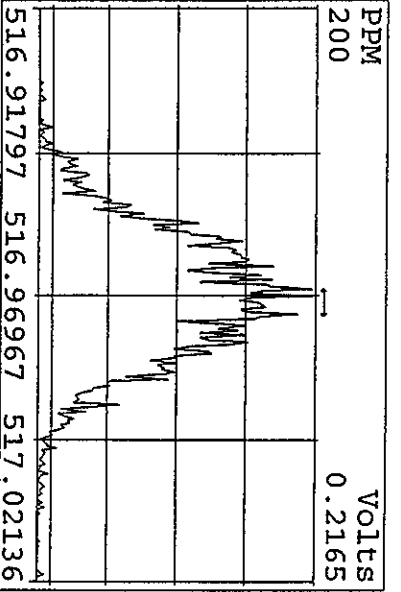
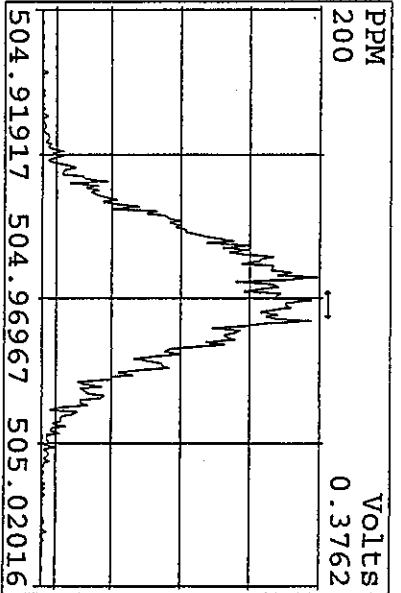
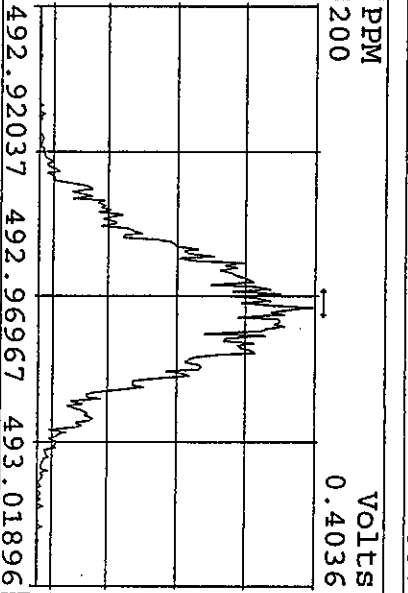
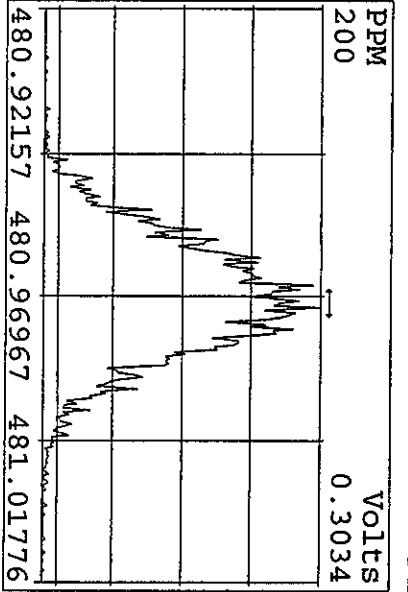
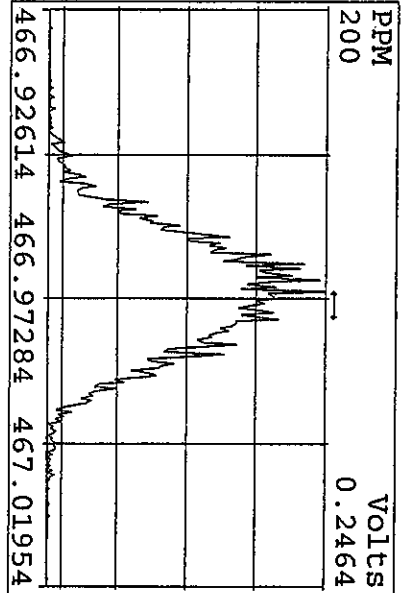
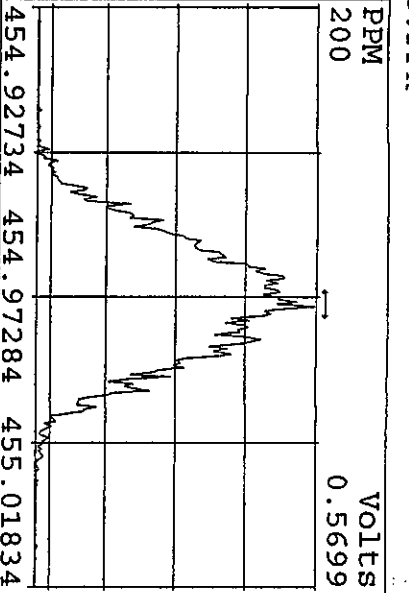
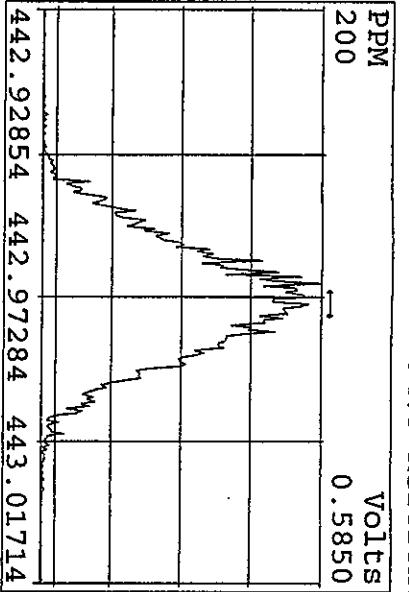
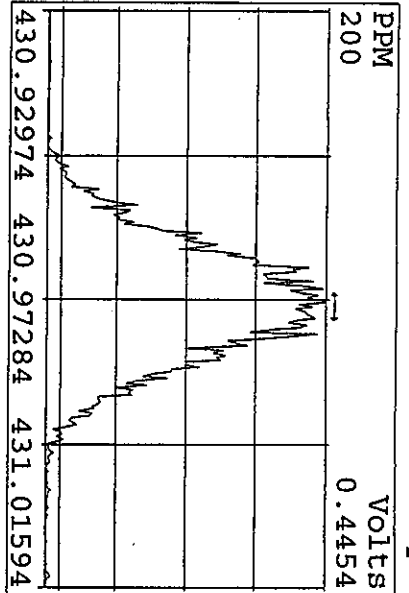
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 Experiment: DIOXIN Function: 3 Reference: PFK



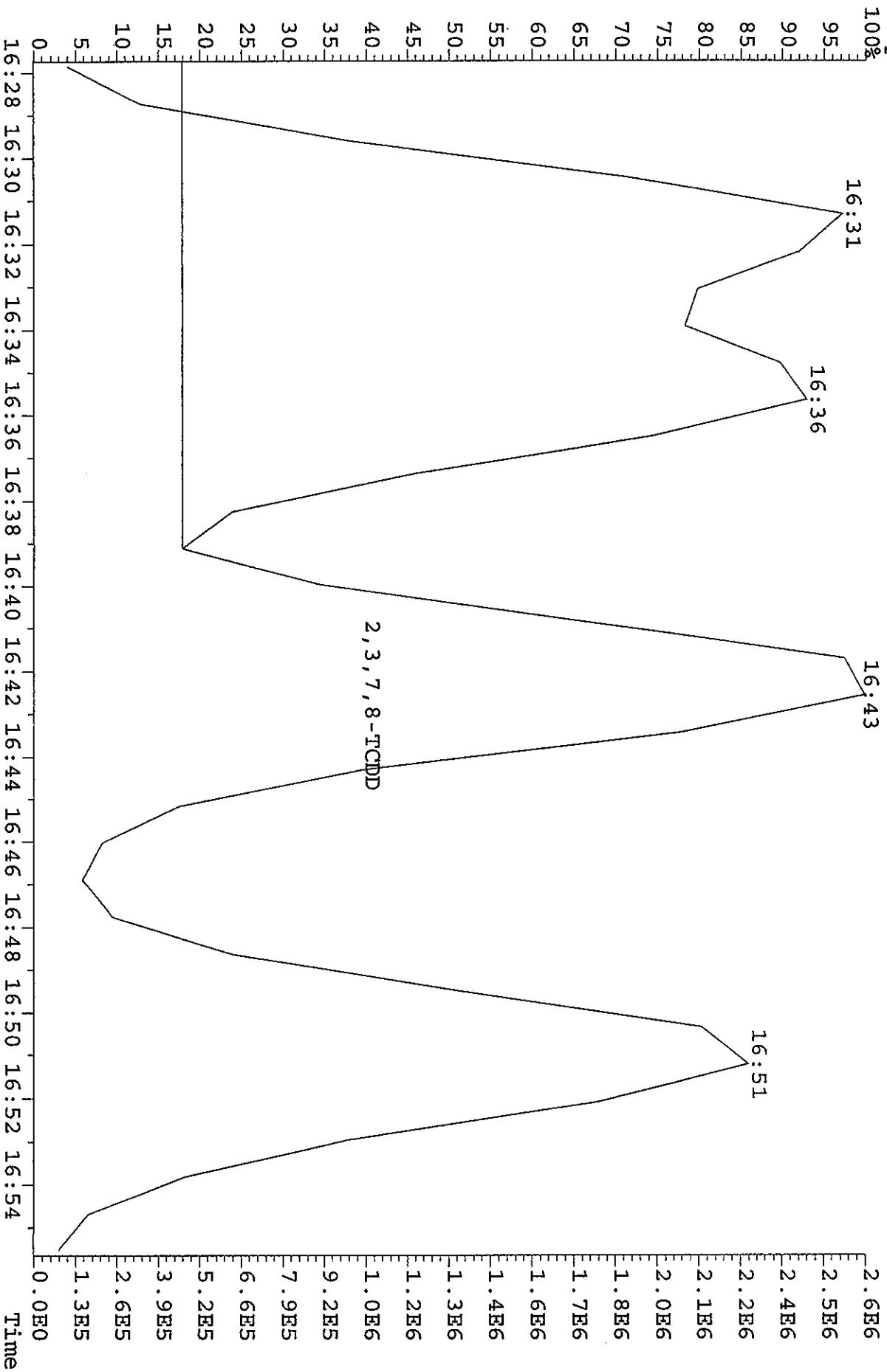
Peak Locate Examination: 27-MAY-2006: 15:04 File: RESCHK25MY06A9D5  
Experiment: DIOXIN Function: 4 Reference: PFK



Peak Locate Examination: 27-MAY-2006:15:05 File: RESCHK25MY06A9D5  
 Experiment: DIOXIN Function: 5 Reference: PFK



File: 25MY06A9D5 #1-439 Acq: 26-MAY-2006 10:27:44 GC FI+ Voltage SIR Autospec-Ultimate  
 321.8936 S: 20 BSUB(128,15,-3.0) Exp: DIOXIN Noise: 602  
 Sample Text: CP0525A :DB-5 CPSM 2565-47



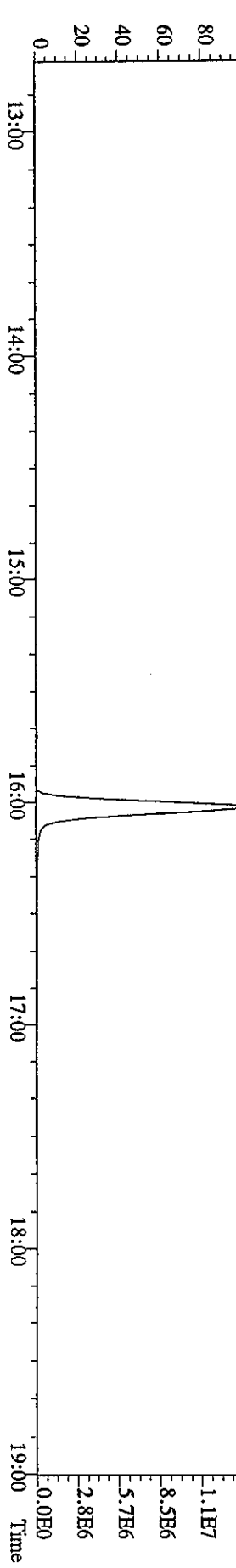
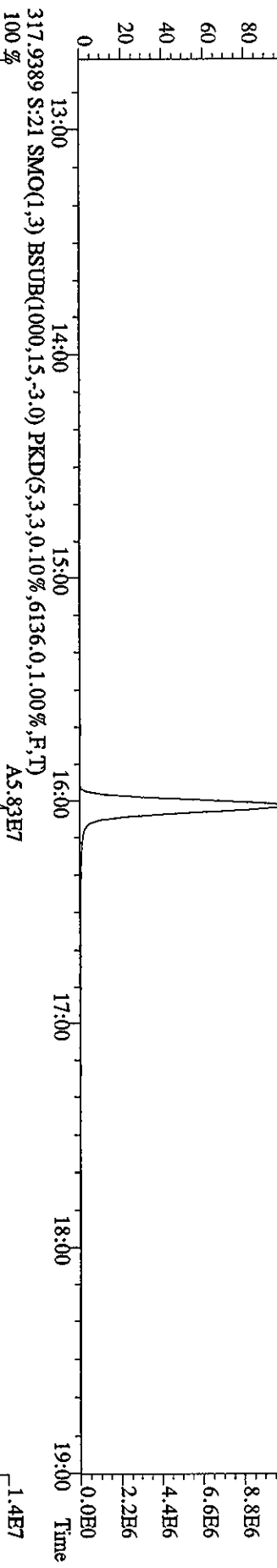
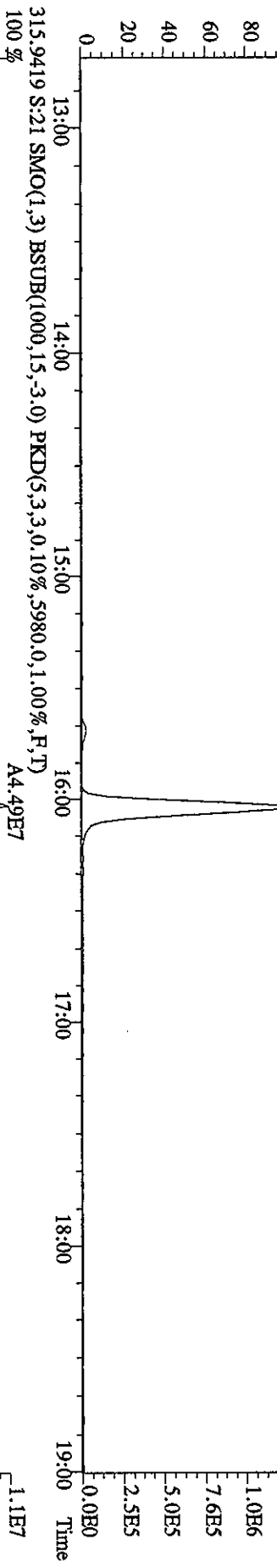
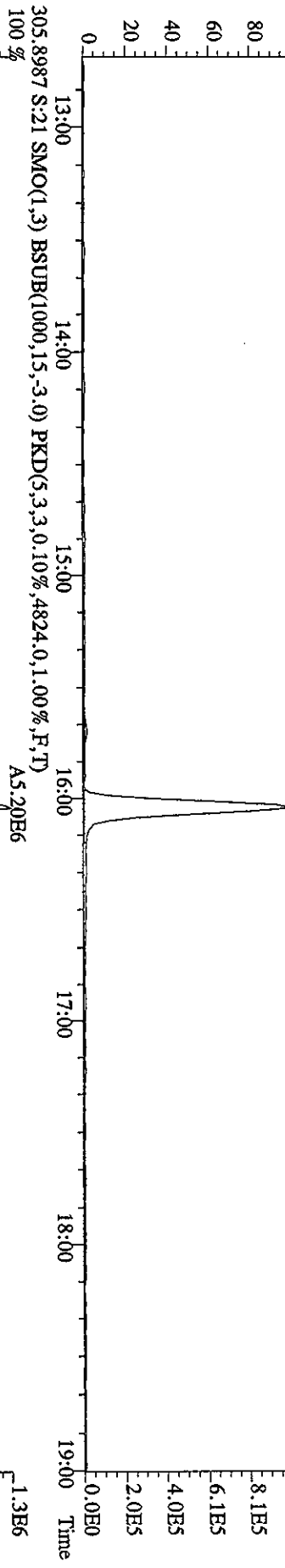
ST0105 :CS1 2565-41A ST0105A :CS2 2565-41B ST0105B :CS3 2565-41C  
 ST0105C :CS4 2565-41D ST0105D :CS5 2565-41E

05JA069D5 05JA069D5 05JA069D5 05JA069D5 05JA069D5

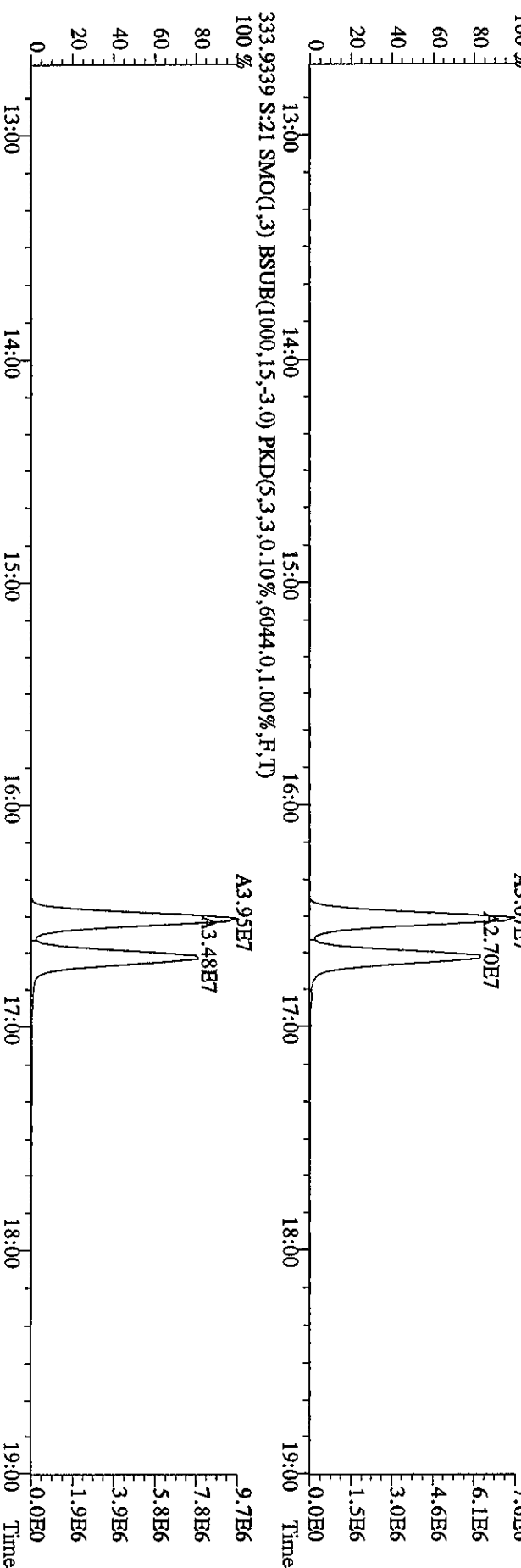
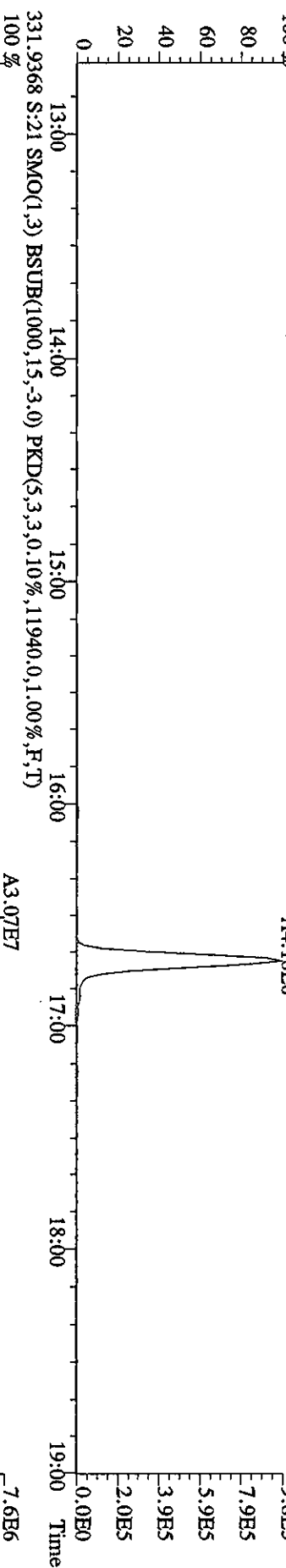
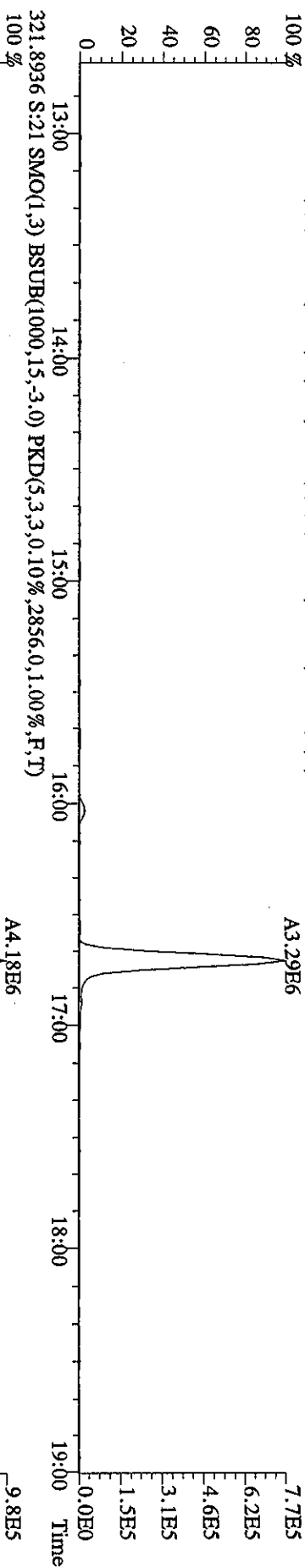
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.686	0.035	2.07 %	1.65	1.68	1.68	1.68	1.74
2,3,7,8-TCDF	1.044	0.078	7.49 %	1.18	1.03	1.01	1.02	0.98
Total TCDF	1.044	0.078	7.49 %	1.18	1.03	1.01	1.02	0.98
13C-2,3,7,8-TCDD	0.903	0.021	2.37 %	0.89	0.90	0.90	0.89	0.94
2,3,7,8-TCDD	1.233	0.037	3.03 %	1.22	1.18	1.28	1.23	1.25
Total TCDD	1.233	0.037	3.03 %	1.22	1.18	1.28	1.23	1.25
37Cl-2,3,7,8-TCDD	2.211	0.150	6.77 %	2.40	2.03	2.24	2.10	2.29
13C-1,2,3,7,8-PeCDF	1.252	0.060	4.79 %	1.21	1.23	1.26	1.21	1.35
1,2,3,7,8-PeCDF	0.905	0.028	3.09 %	0.95	0.88	0.89	0.89	0.91
2,3,4,7,8-PeCDF	0.950	0.029	3.03 %	0.99	0.93	0.92	0.94	0.97
Total F2 PeCDF	0.928	0.028	3.00 %	0.97	0.91	0.90	0.92	0.94
Total F1 PeCDF	0.928	0.028	3.00 %	0.97	0.91	0.90	0.92	0.94
13C-1,2,3,7,8-PeCDD	0.661	0.047	7.06 %	0.63	0.64	0.66	0.63	0.74
1,2,3,7,8-PeCDD	1.161	0.049	4.19 %	1.25	1.14	1.16	1.13	1.13
Total PeCDD	1.161	0.049	4.19 %	1.25	1.14	1.16	1.13	1.13
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.407	0.075	5.36 %	1.46	1.44	1.46	1.40	1.28
1,2,3,4,7,8-HxCDF	1.040	0.052	5.01 %	1.12	1.01	0.98	1.05	1.04
1,2,3,6,7,8-HxCDF	1.134	0.049	4.33 %	1.18	1.11	1.06	1.15	1.17
2,3,4,6,7,8-HxCDF	1.007	0.058	5.73 %	1.08	0.94	0.95	1.01	1.04
1,2,3,7,8,9-HxCDF	0.931	0.045	4.88 %	0.96	0.89	0.88	0.93	0.99
Total HxCDF	1.028	0.049	4.75 %	1.09	0.99	0.97	1.04	1.06
13C-1,2,3,6,7,8-HxCDD	0.994	0.018	1.77 %	0.99	1.00	0.97	1.01	1.01
1,2,3,4,7,8-HxCDD	0.938	0.078	8.35 %	1.08	0.89	0.91	0.93	0.89

1,2,3,6,7,8-HxCDD	1.055	0.021	2.01	%	1.09	1.05	1.06	1.04	1.03
1,2,3,7,8,9-HxCDD	1.068	0.045	4.24	%	1.13	1.07	1.09	1.05	1.01
Total HxCDD	1.020	0.046	4.53	%	1.10	1.00	1.02	1.00	0.98
13C-1,2,3,4,6,7,8-HpCDF	1.180	0.027	2.30	%	1.22	1.17	1.15	1.19	1.16
1,2,3,4,6,7,8-HpCDF	1.275	0.084	6.61	%	1.42	1.22	1.28	1.24	1.22
1,2,3,4,7,8,9-HpCDF	1.099	0.025	2.26	%	1.13	1.06	1.10	1.10	1.10
Total HpCDF	1.187	0.052	4.39	%	1.27	1.14	1.19	1.17	1.16
13C-1,2,3,4,6,7,8-HpCDD	1.066	0.026	2.45	%	1.09	1.06	1.06	1.09	1.03
1,2,3,4,6,7,8-HpCDD	0.952	0.031	3.21	%	1.00	0.94	0.95	0.93	0.94
Total HpCDD	0.952	0.031	3.21	%	1.00	0.94	0.95	0.93	0.94
13C-OCDD	0.796	0.029	3.59	%	0.78	0.78	0.77	0.80	0.85
OCDF	1.357	0.032	2.33	%	1.37	1.31	1.34	1.37	1.40
OCDD	1.046	0.031	3.00	%	1.10	1.04	1.05	1.02	1.02

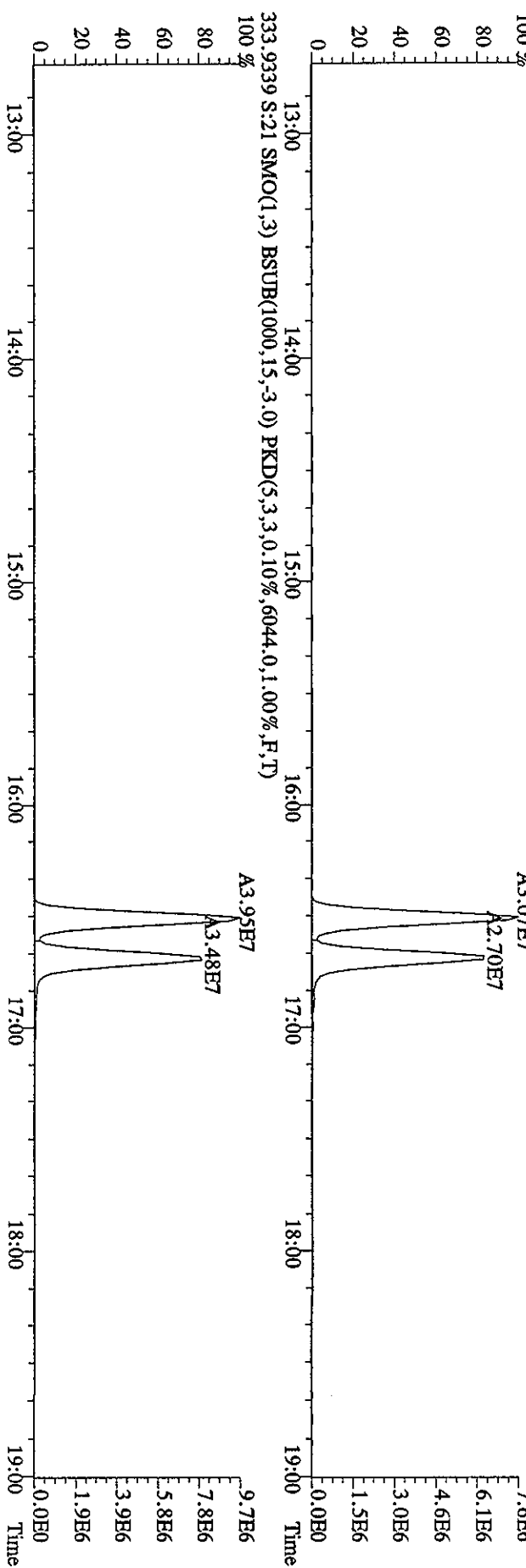
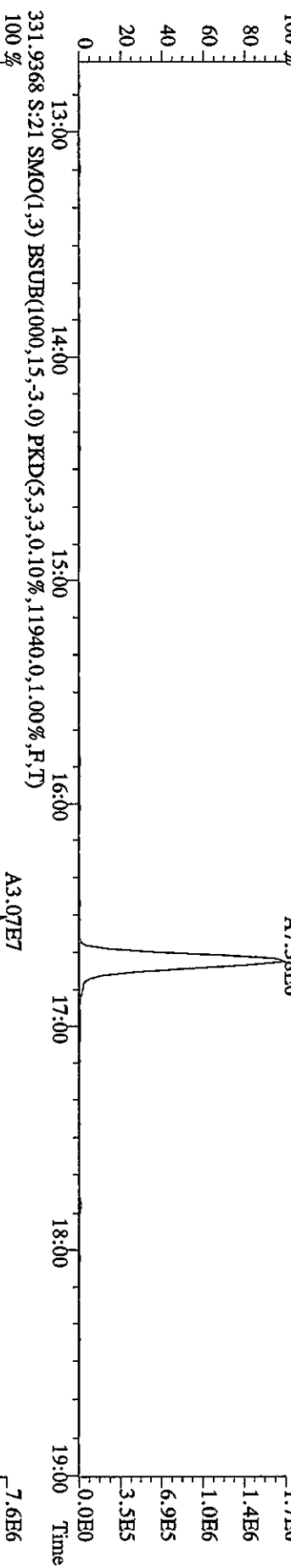
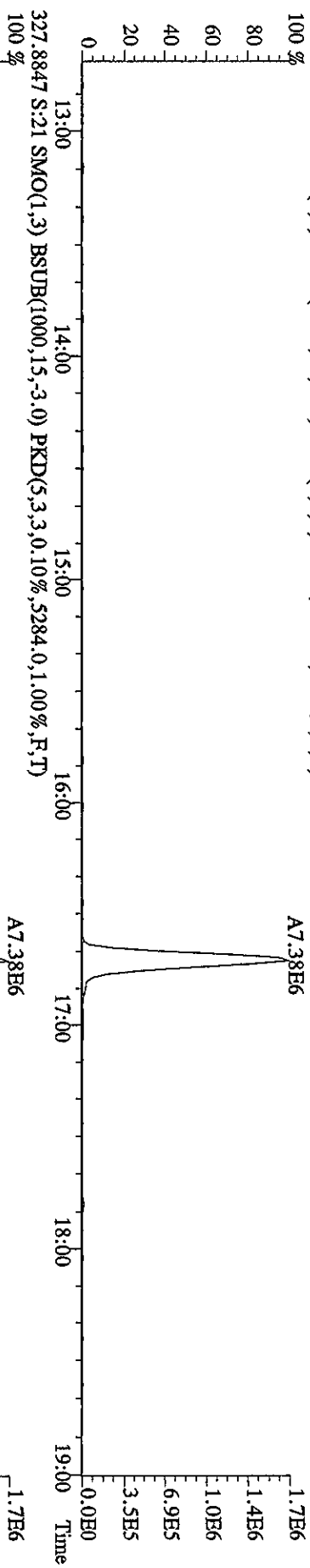
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 303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7028.0,1.00%,F,T)  
 100 % A4.14E6



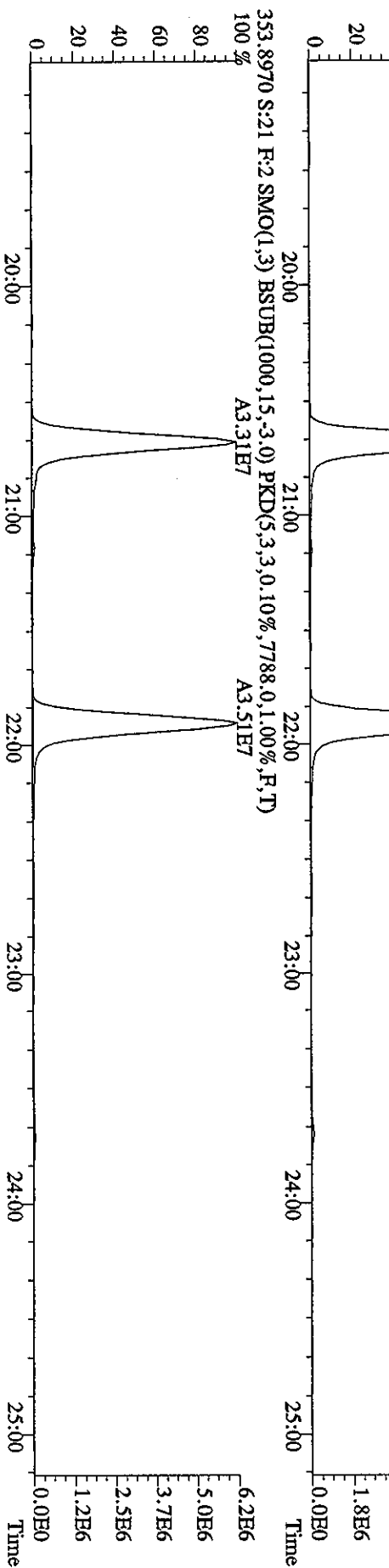
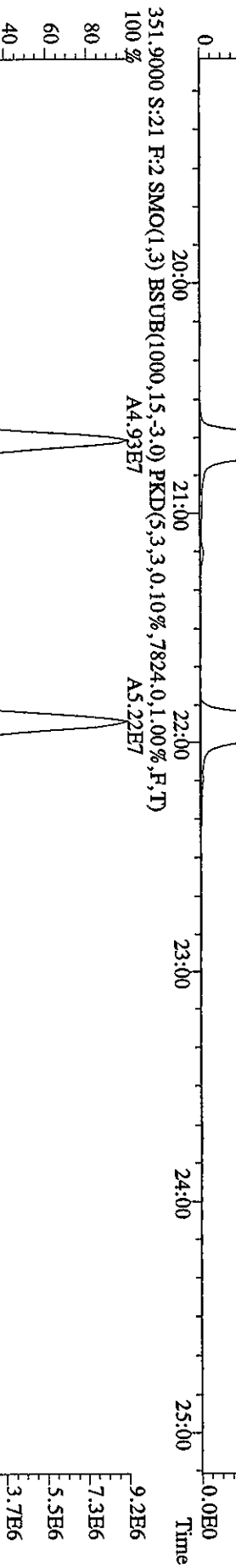
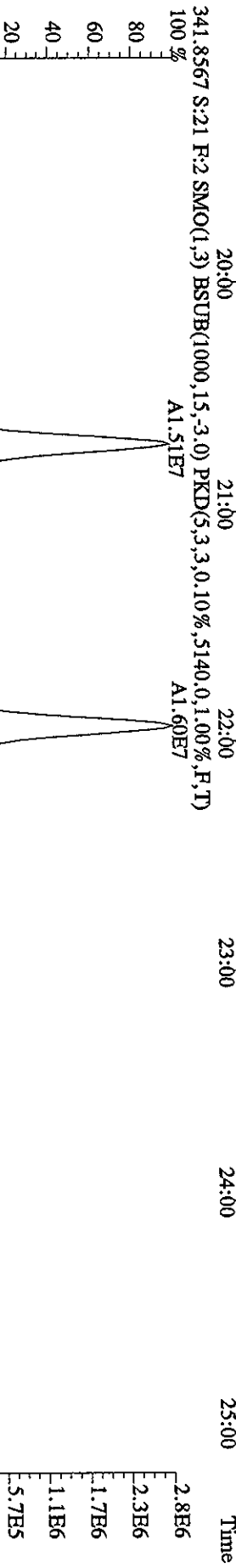
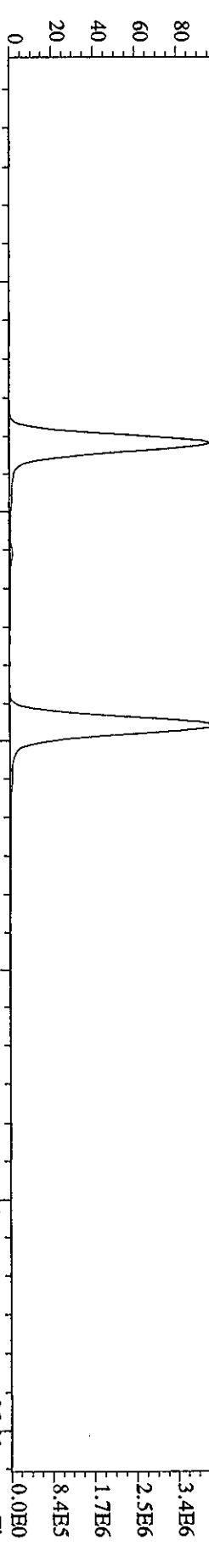
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319.8965 S:21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2796,0,1,00%,F,T)



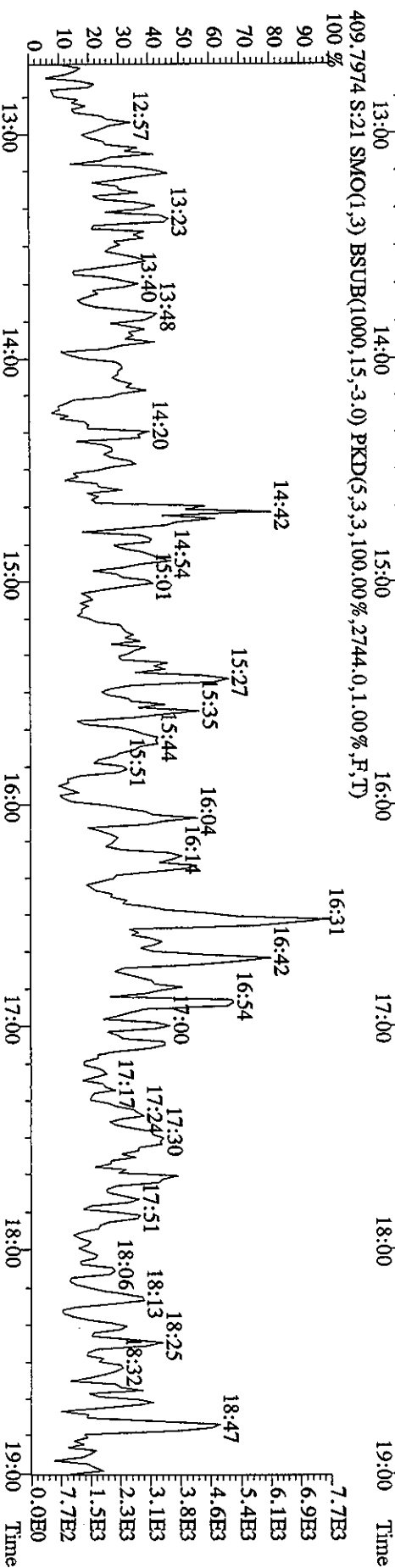
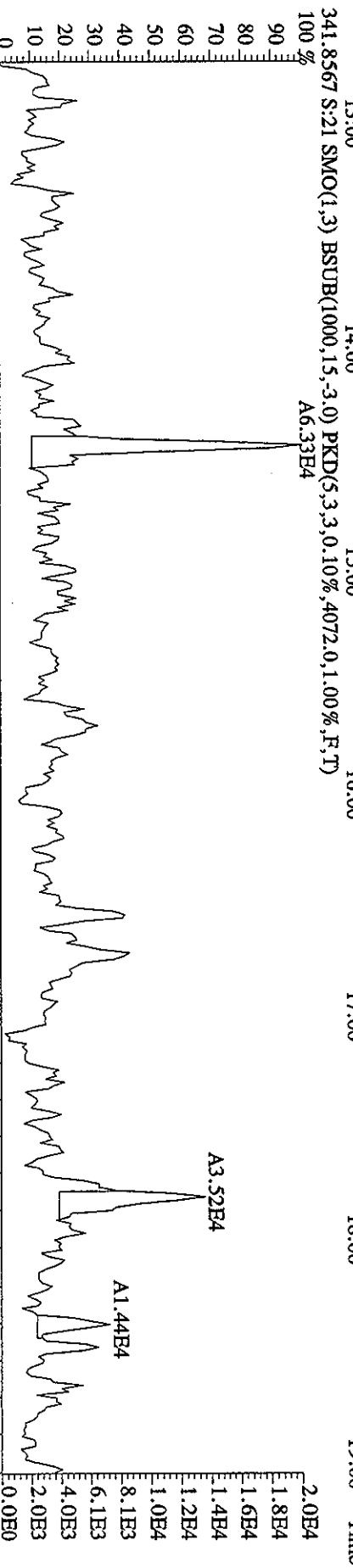
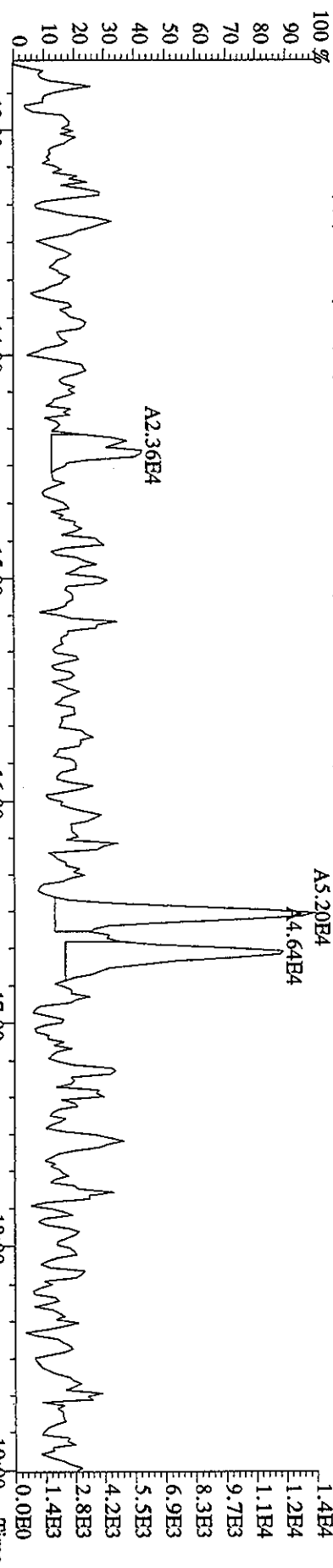
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 327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5284,0,1,100%,F,T)



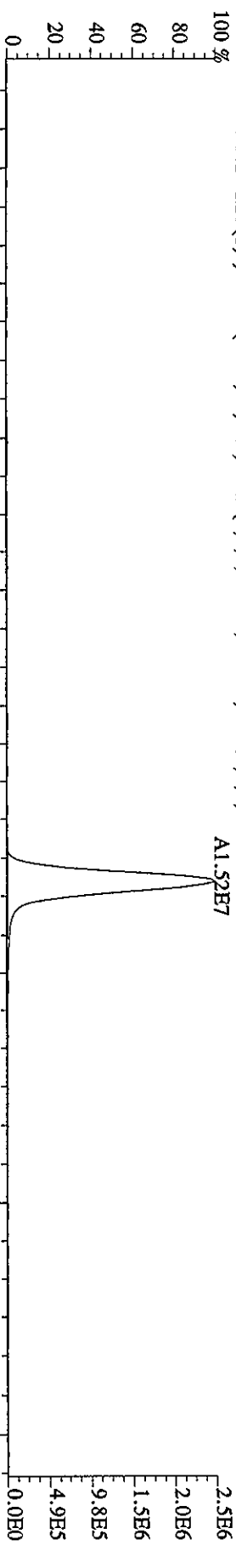
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 Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN  
 339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3032.0,1.00%,F,T) A2.21E7  
 100% A2.35E7



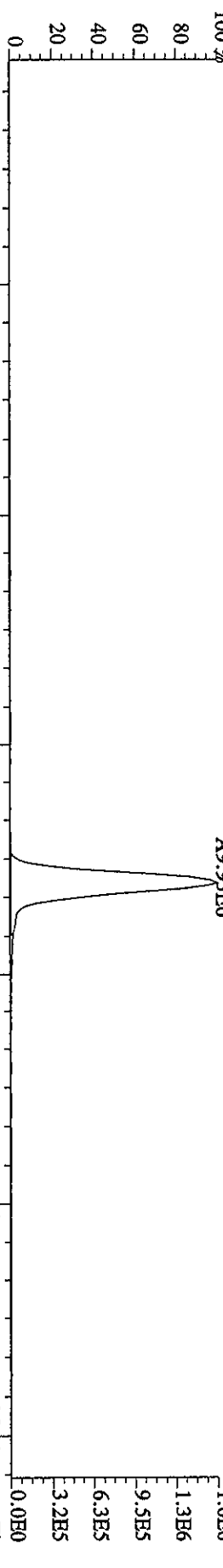
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 339.8597 S:21 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2932.0,1.00%,F,T)



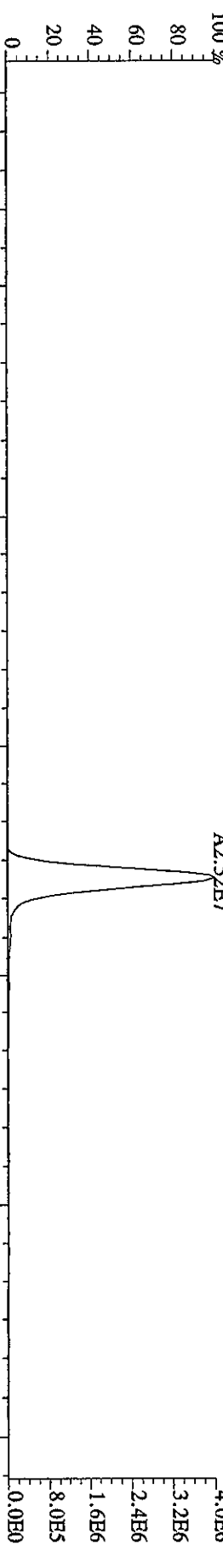
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355.8546 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3.972,0.1,0.00%,F,T)



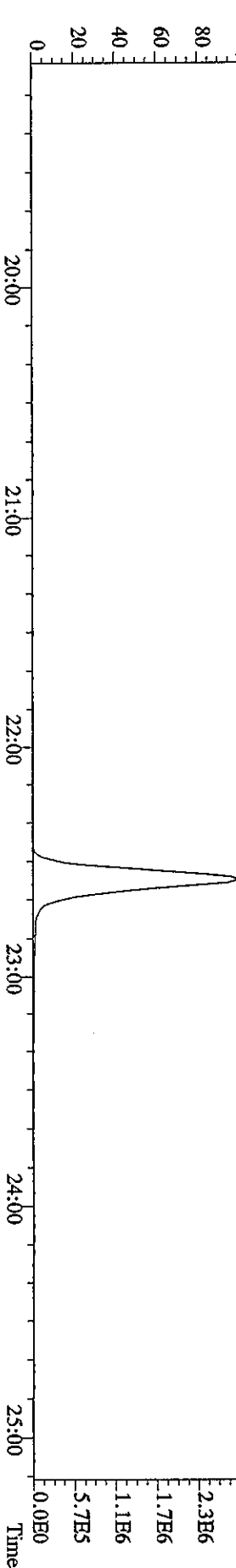
357.8516 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2.232,0.1,0.00%,F,T)



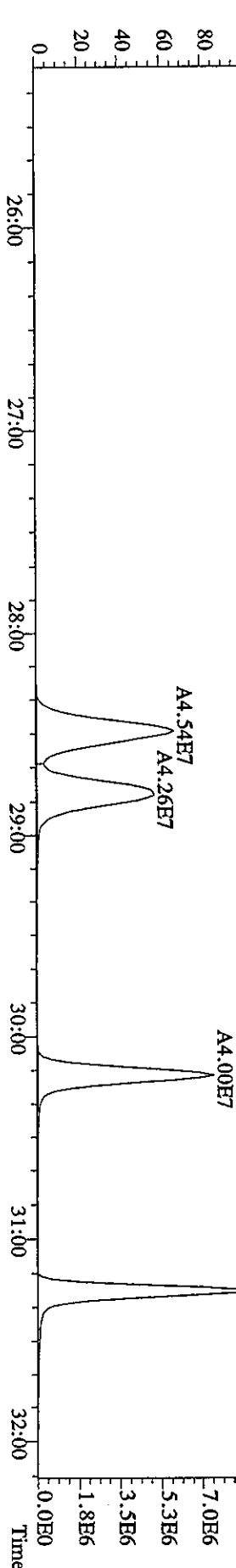
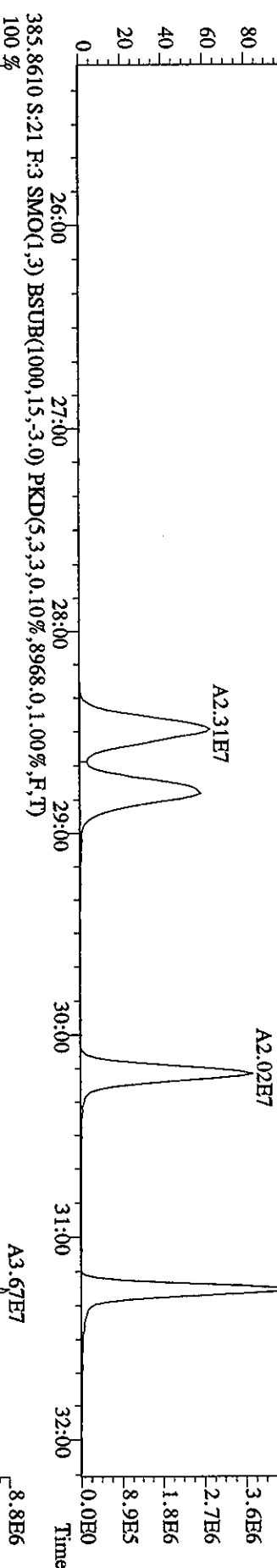
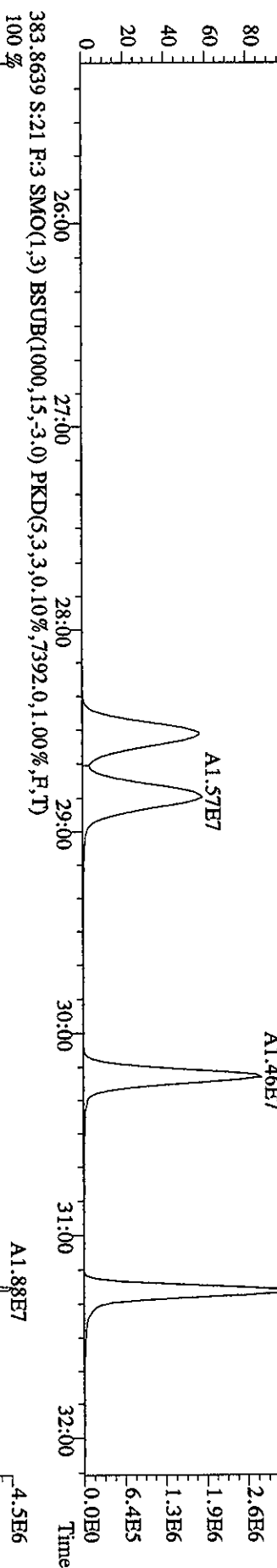
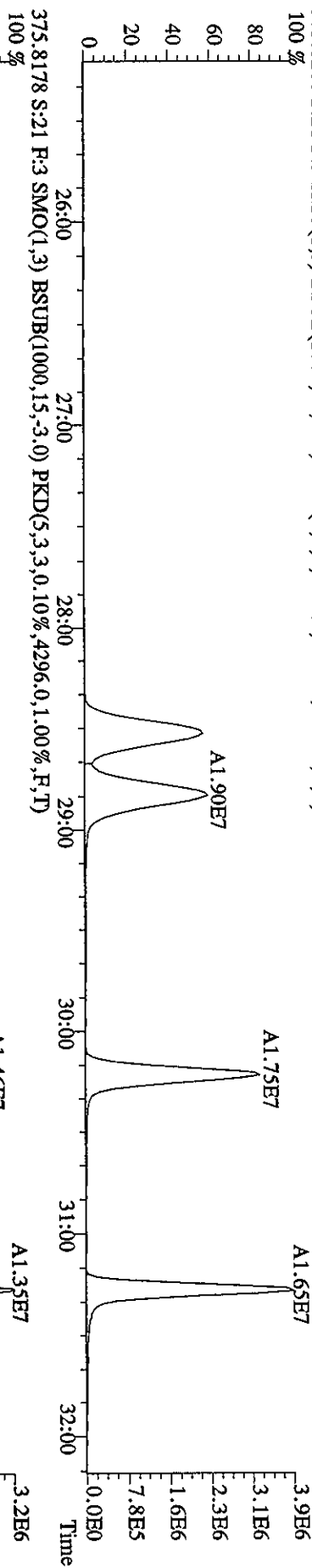
367.8949 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4.724,0.1,0.00%,F,T)



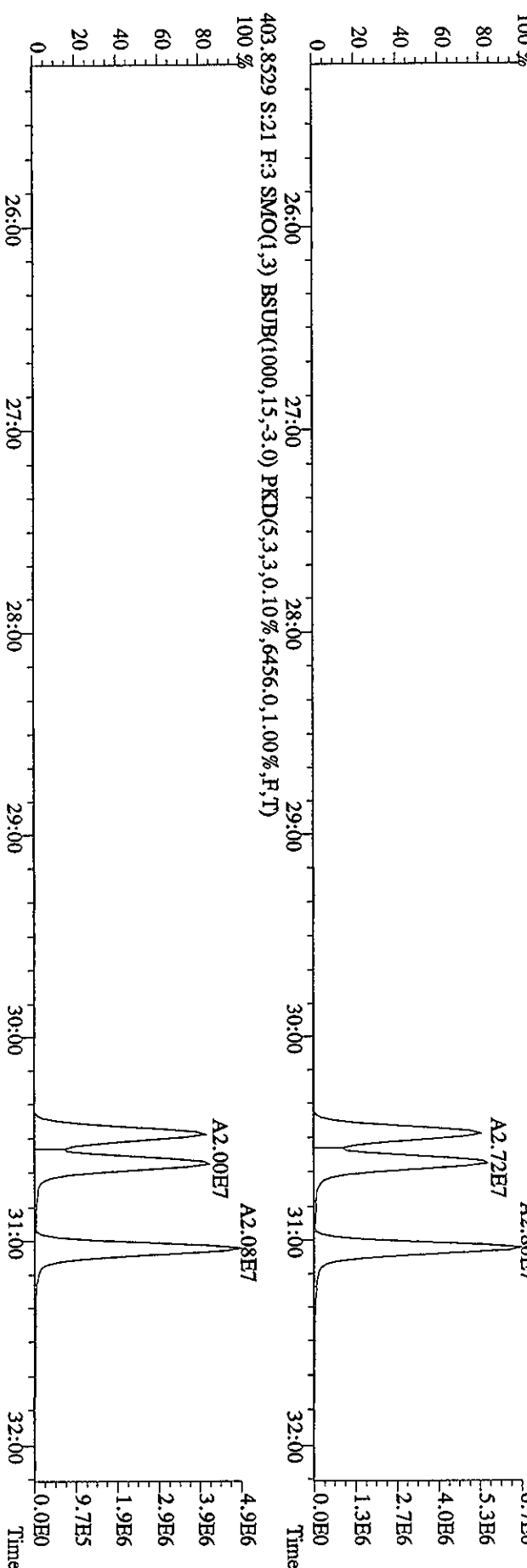
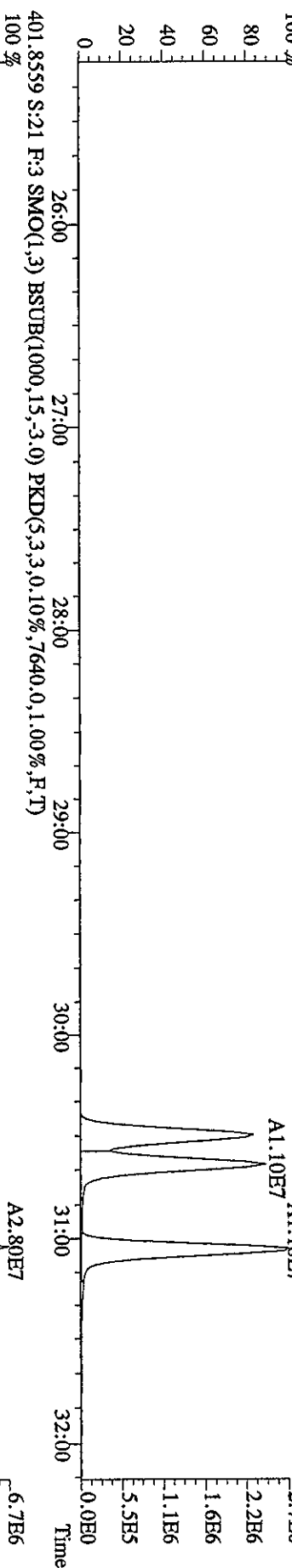
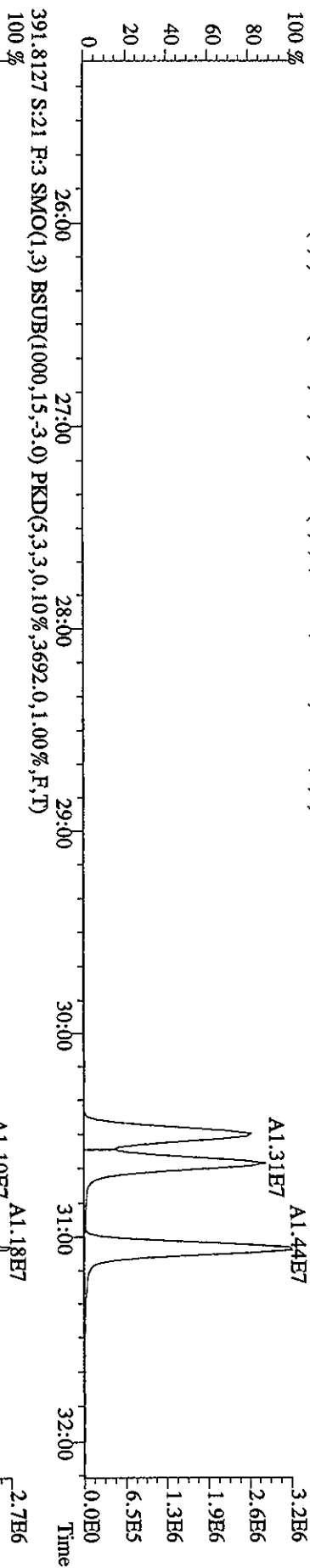
369.8919 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3.332,0.1,0.00%,F,T)



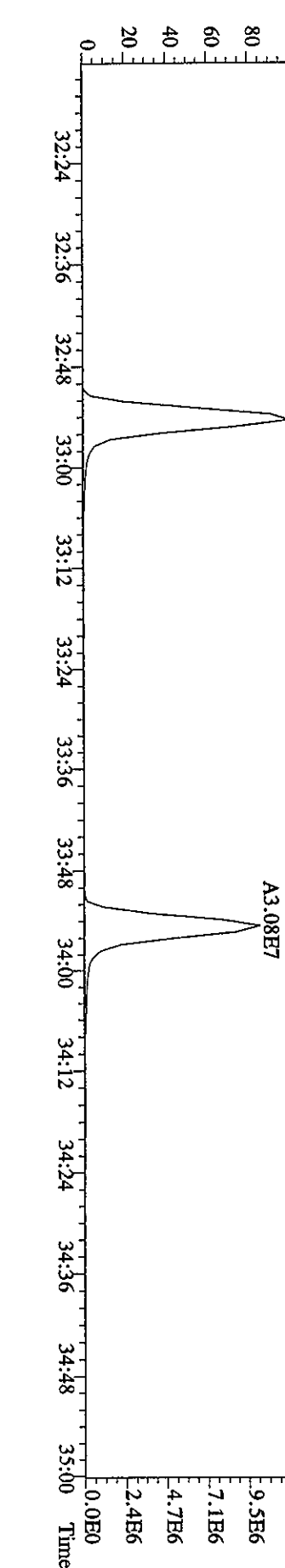
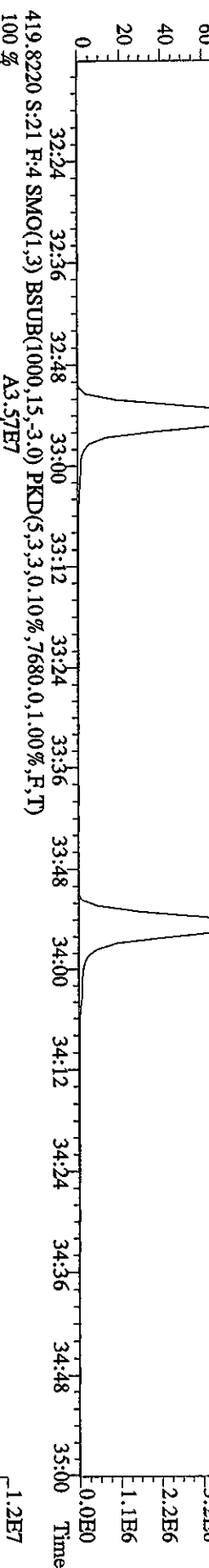
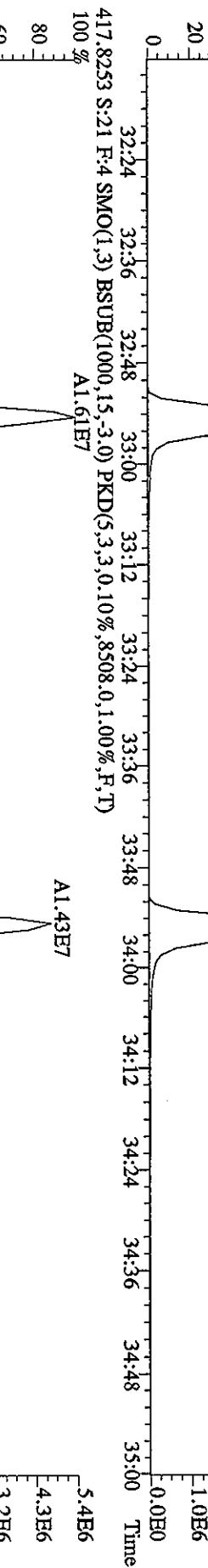
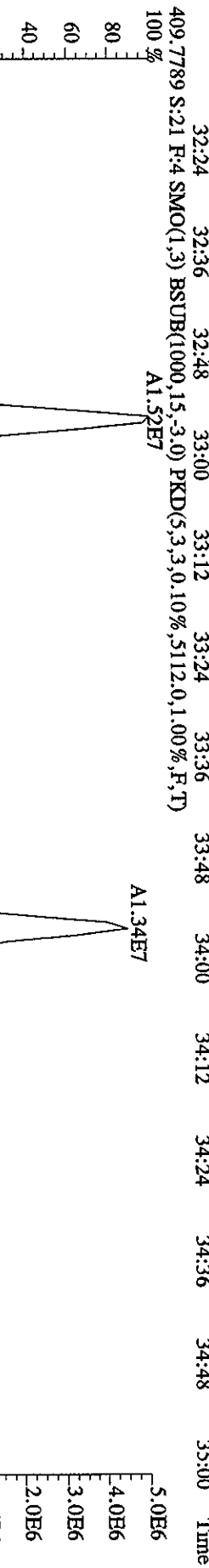
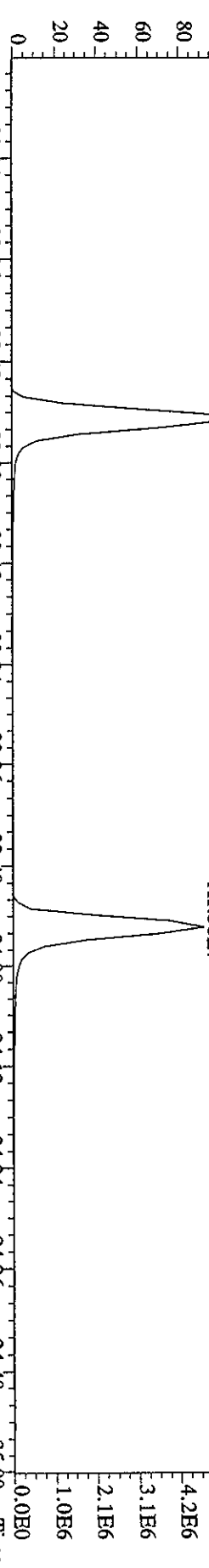
File:25MY06A9D5 #1-528 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN  
 373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5772.0,1.00%,F,T)



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN  
 389.8157 S:21 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3.100,0,1,00%,F,T)



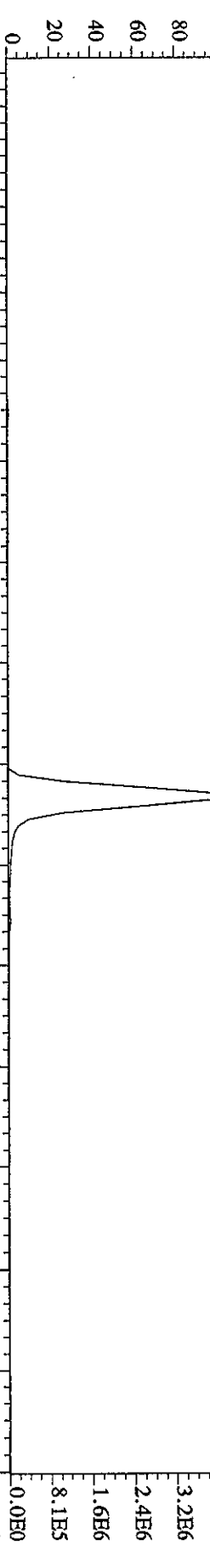
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN  
 407.7818 S:21 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4956,0,1,00%,F,T)  
 100%



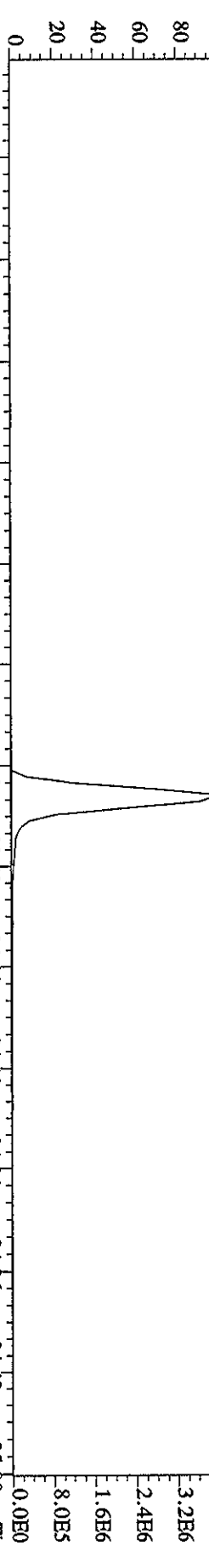
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE

Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN

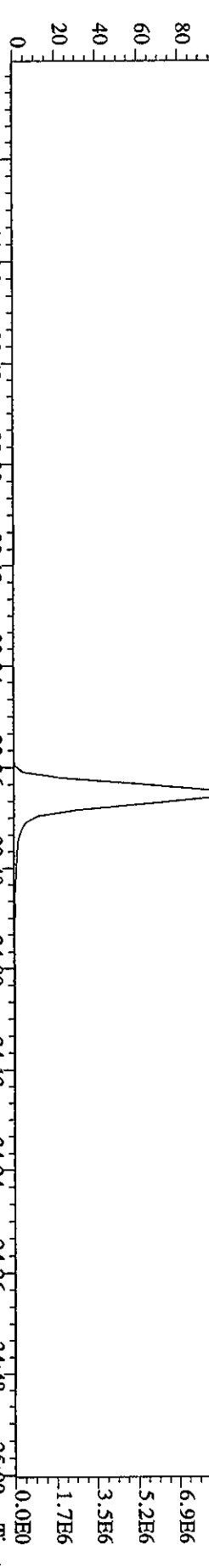
423.7766 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896,0,1.00%,F,T)



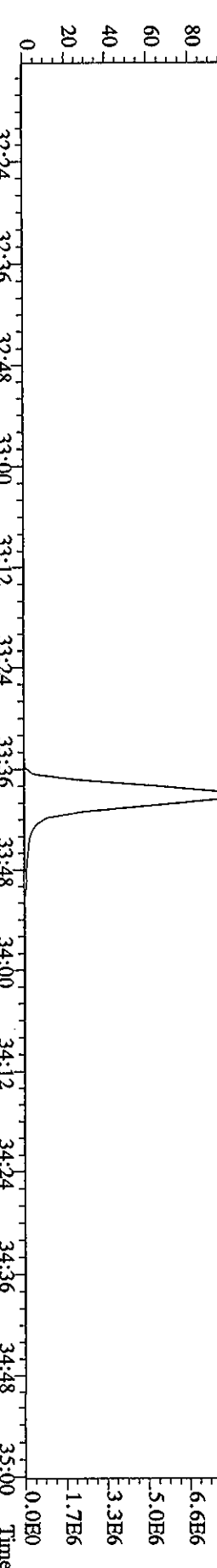
425.7737 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3332,0,1.00%,F,T)



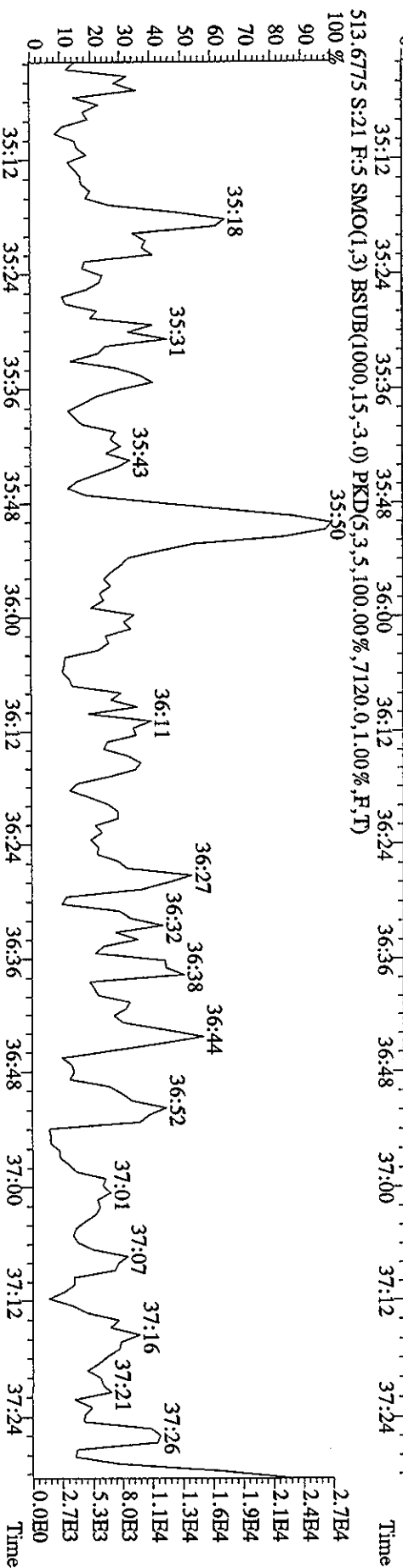
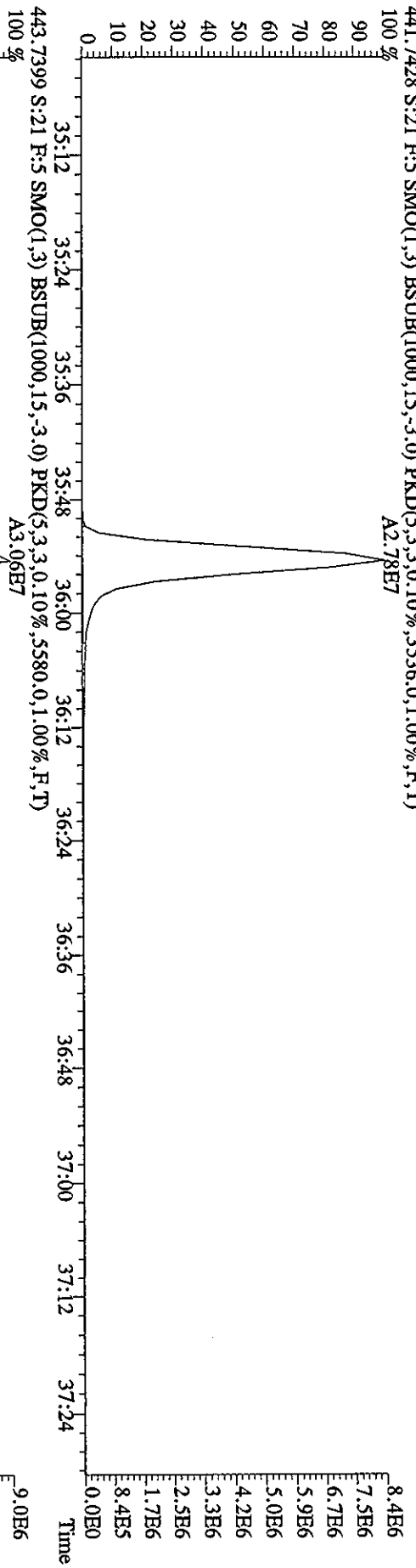
435.8169 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7892,0,1.00%,F,T)



437.8140 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6340,0,1.00%,F,T)

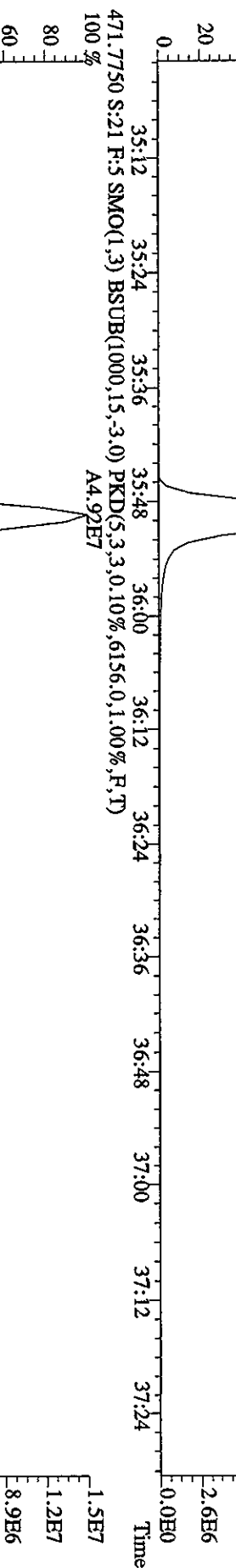
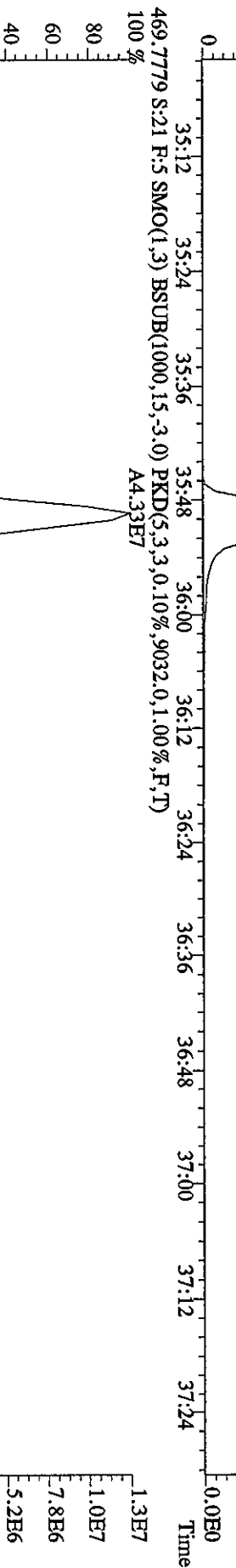
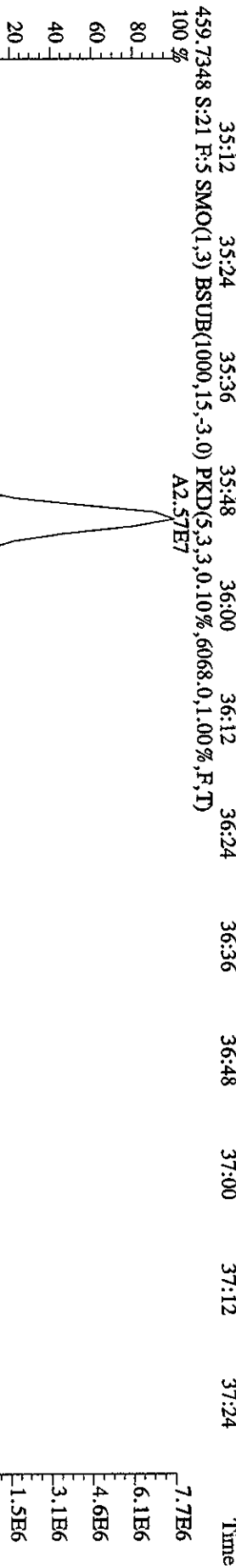
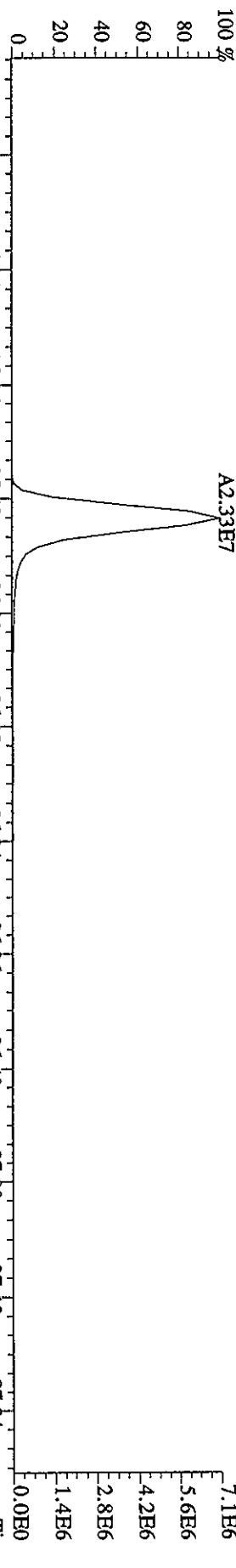


File: 25MYY06A9D5 #1-201 Acq: 26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample# 21 Text: ST0525C :CS3 2565-41C Exp: DIOXIN  
 441.7428 S: 21 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3536,0,1.00%,F,T)  
 100% A2.78E7



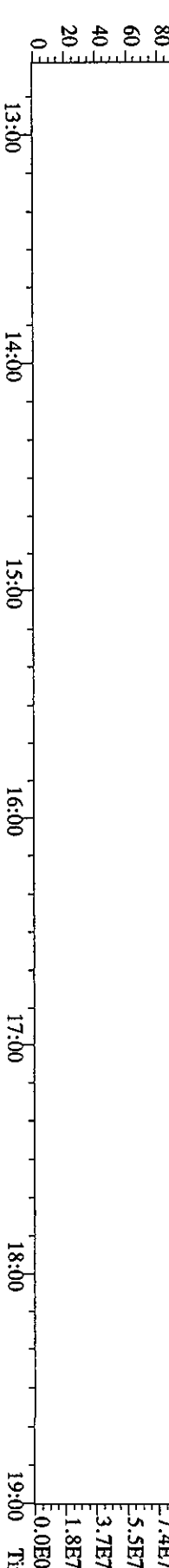
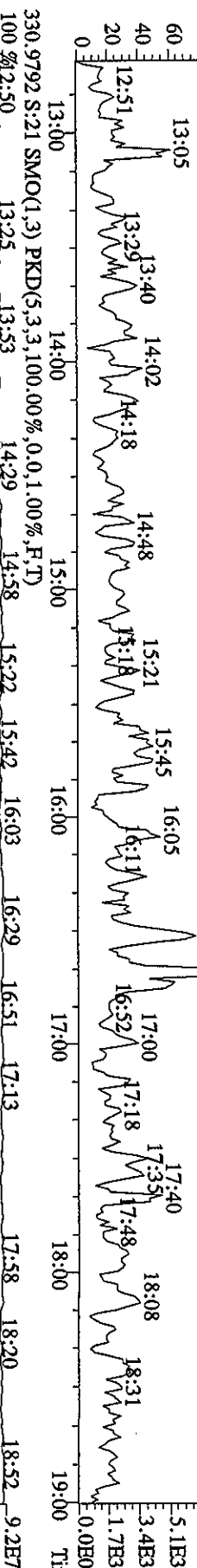
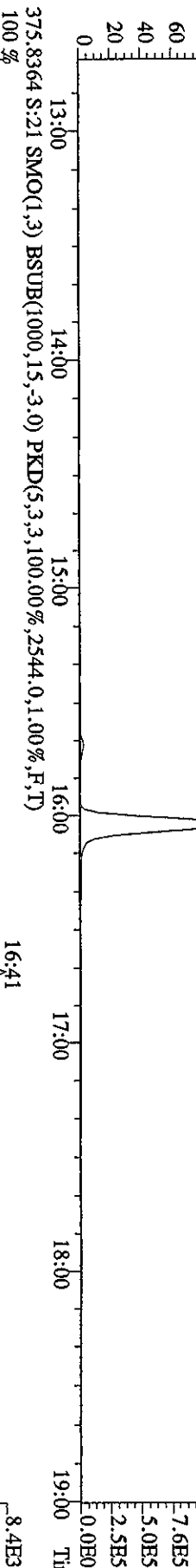
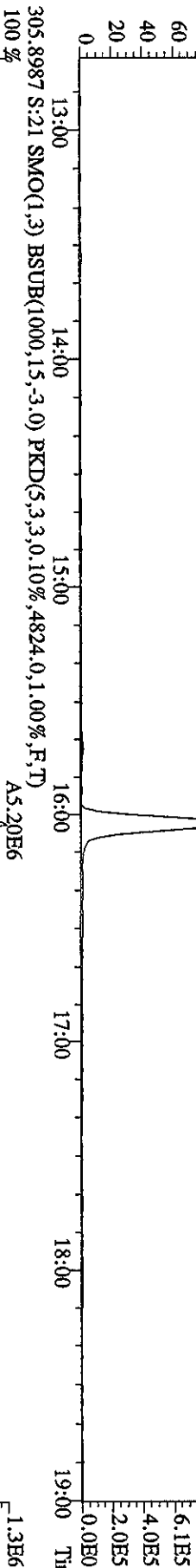
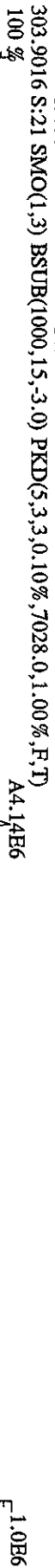
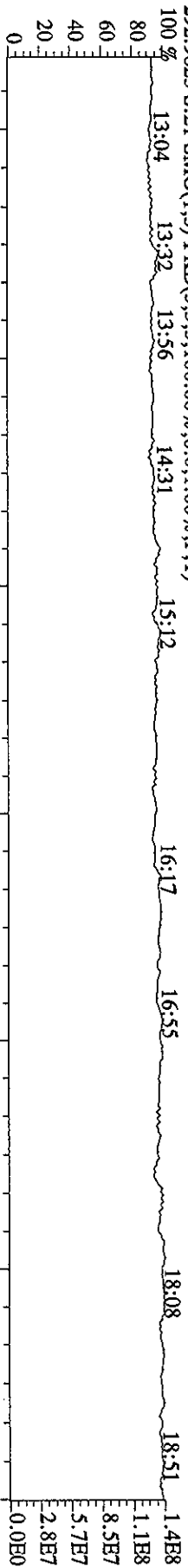
File:25MY06A9D5 #1-201 Acq:26-MAY-2006 11:09:14 GC EI + Voltage SIR Autospec-UltimaB

Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN



File:25MY06A9D5 #1-439 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SFR Autospec-UltimaE

Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN

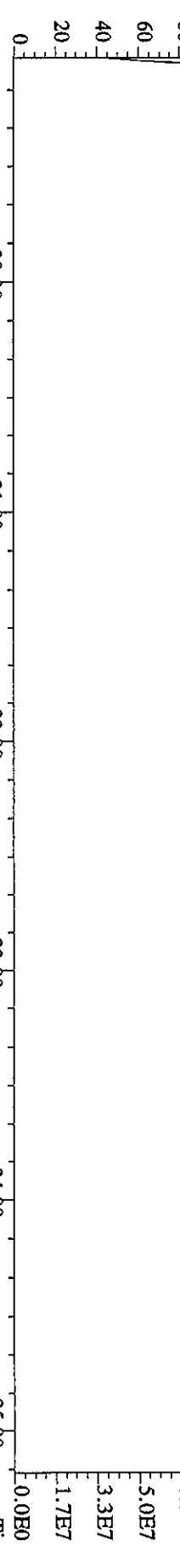


File:25MY06A9D5 #1-491 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE

Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN

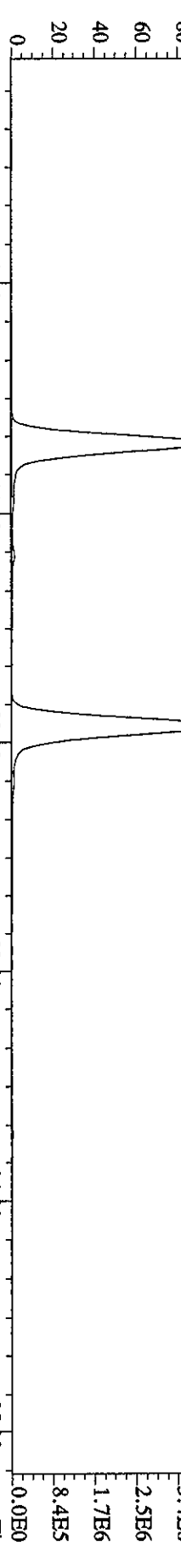
342.9792 S:21 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 19:12 19:46 20:07 20:47 21:17 21:51 22:14 23:09 23:40 24:13 24:37 25:10 8.3E7



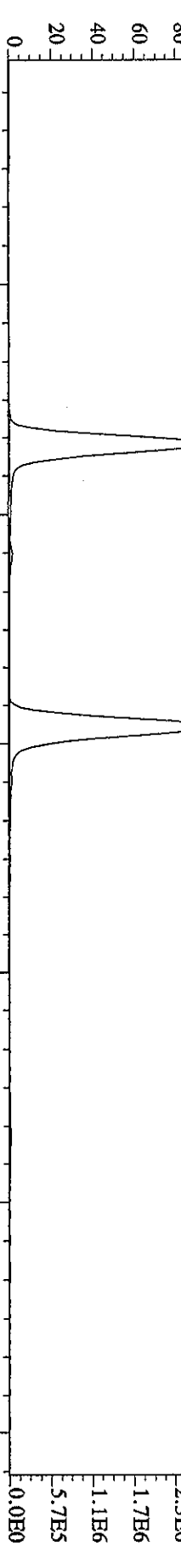
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3032.0,1.00%,F,T)

100% A2.21E7 A2.35E7

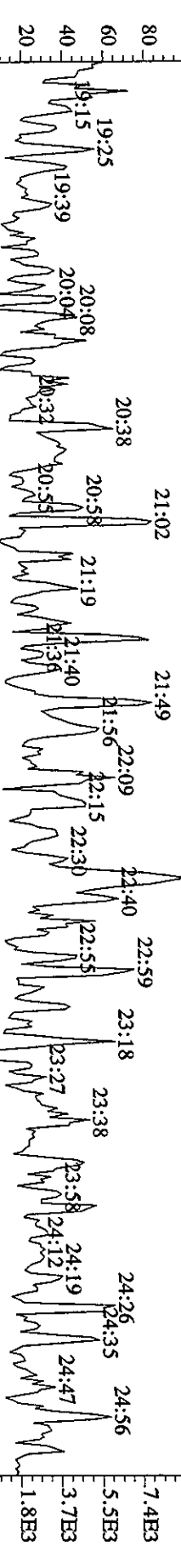


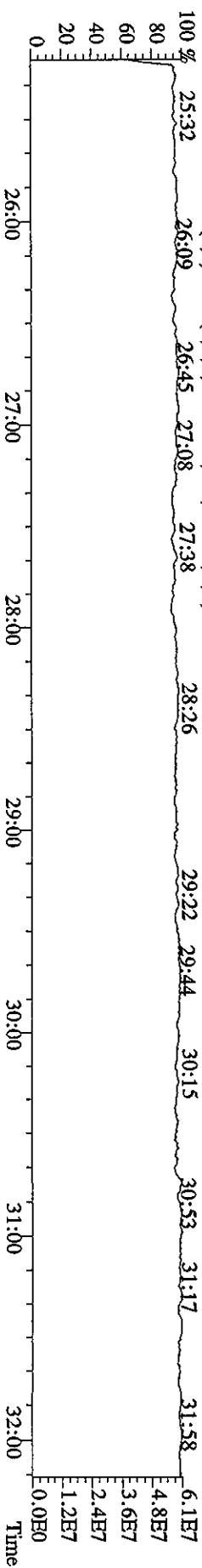
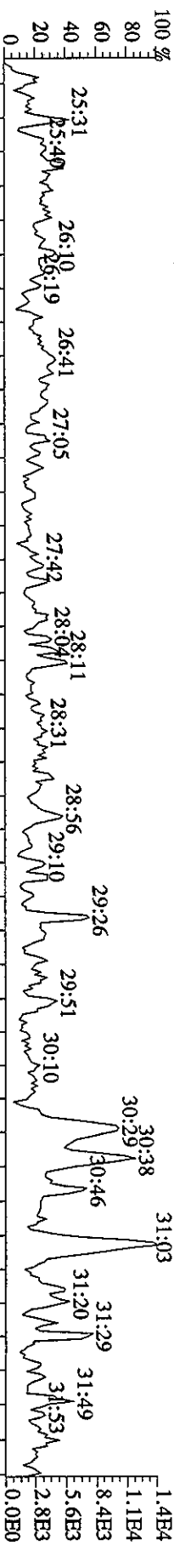
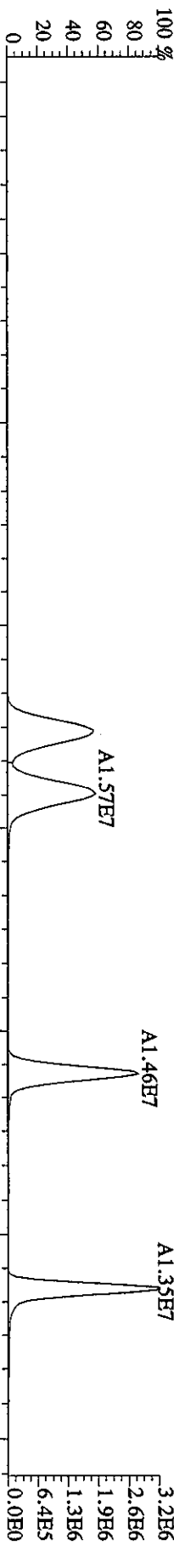
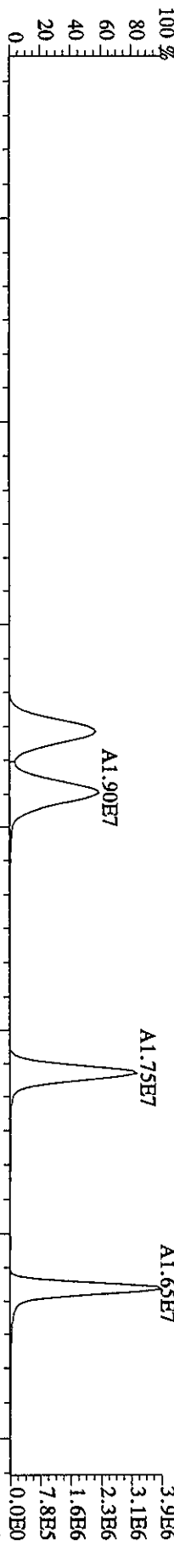
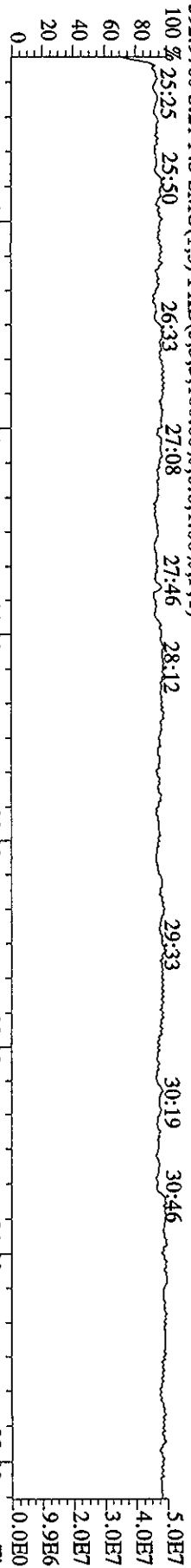
341.8567 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)

100% A1.51E7 A1.60E7



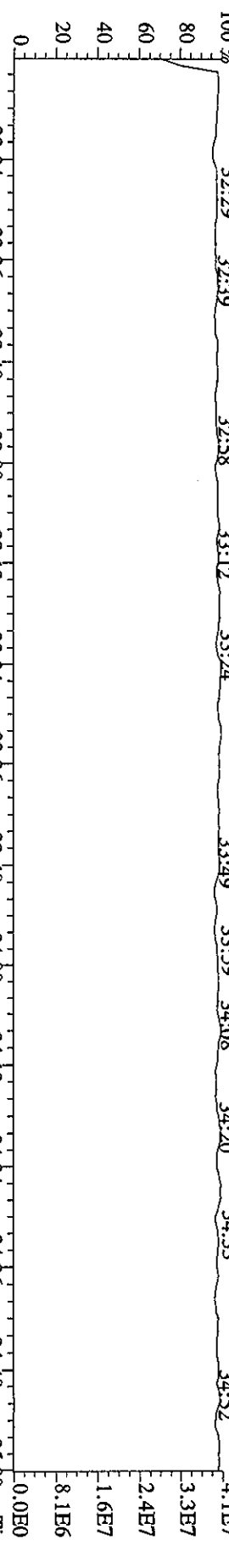
409.7974 S:21 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3220.0,1.00%,F,T)



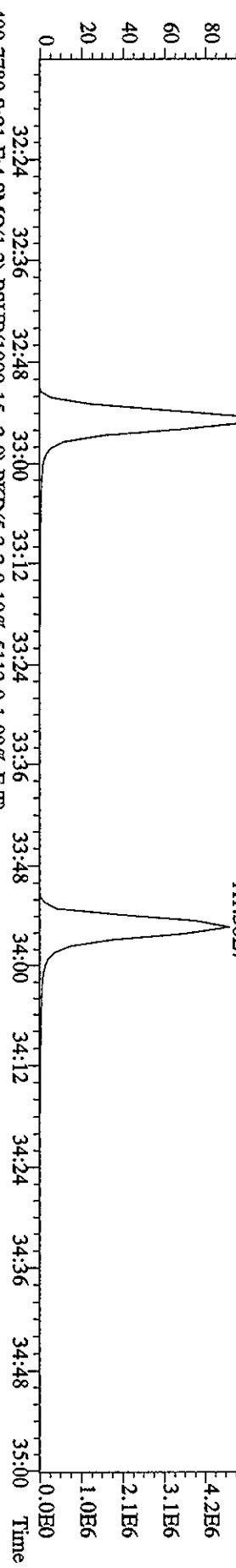


File:25MY06A9D5 #1-224 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Tex:ST0525C :CS3 2565-41C Exp:DIOXIN

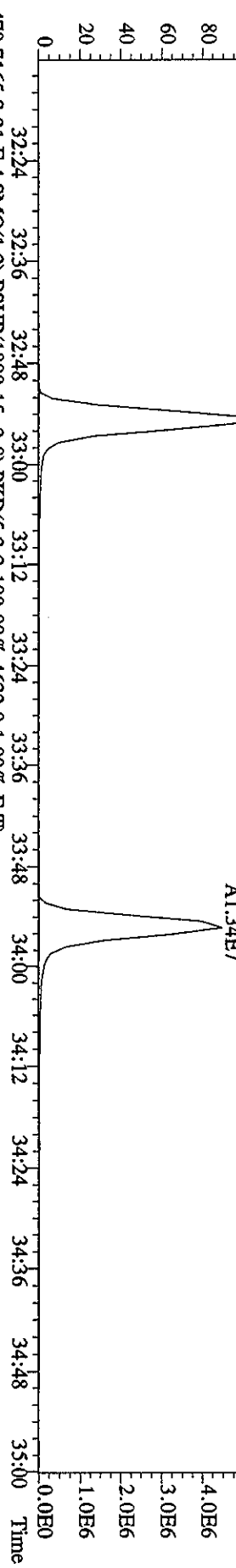
430.9728 S:21 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



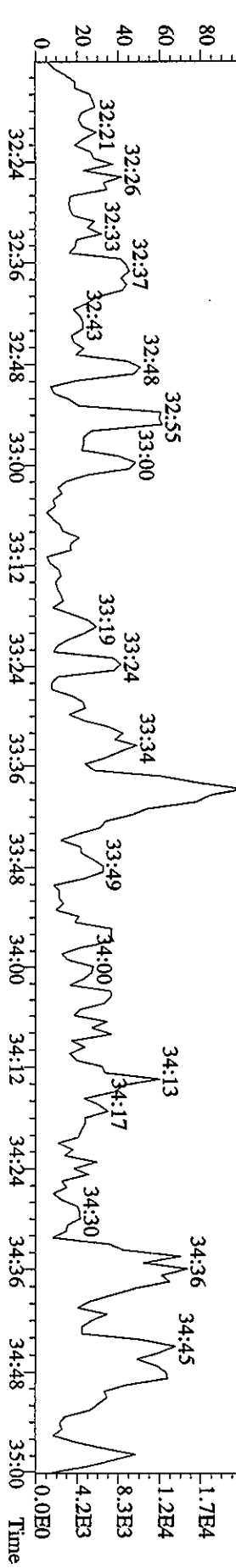
407.7818 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956,0,1.00%,F,T)



409.7789 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5112,0,1.00%,F,T)



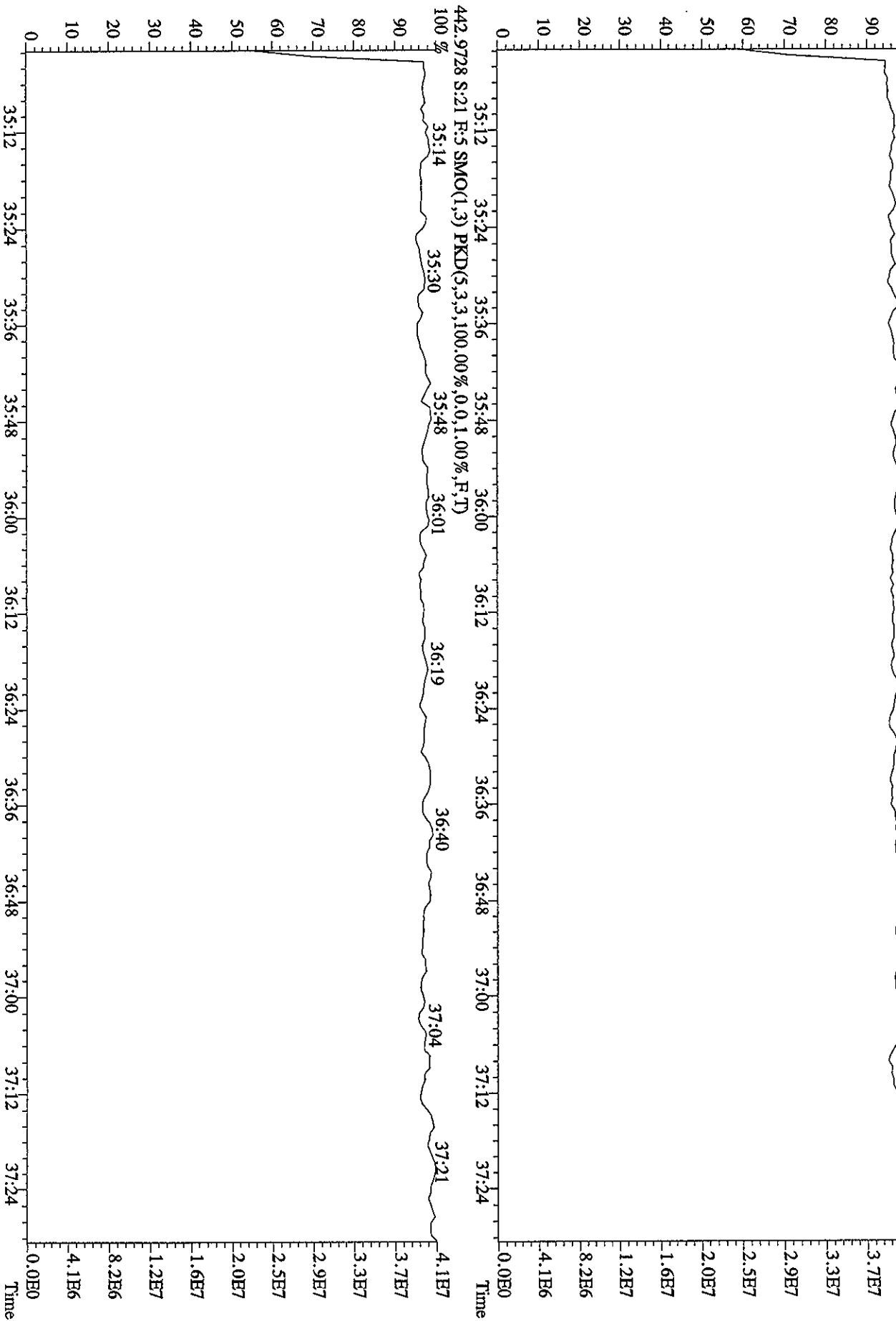
479.7165 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4632,0,1.00%,F,T)



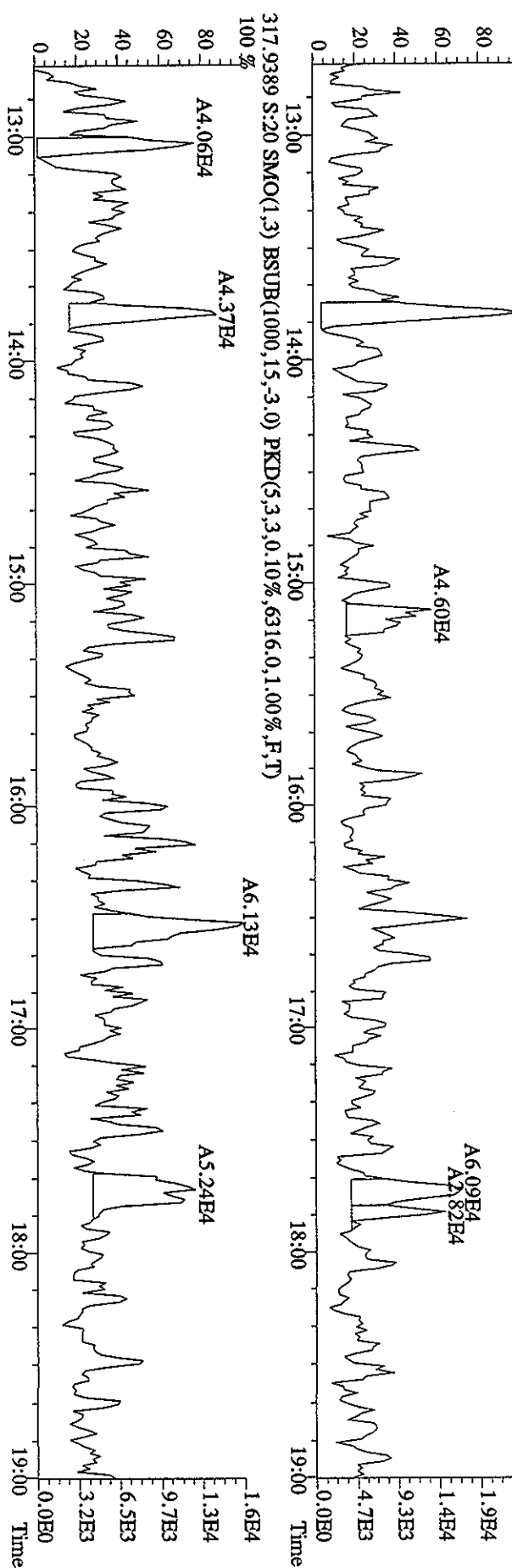
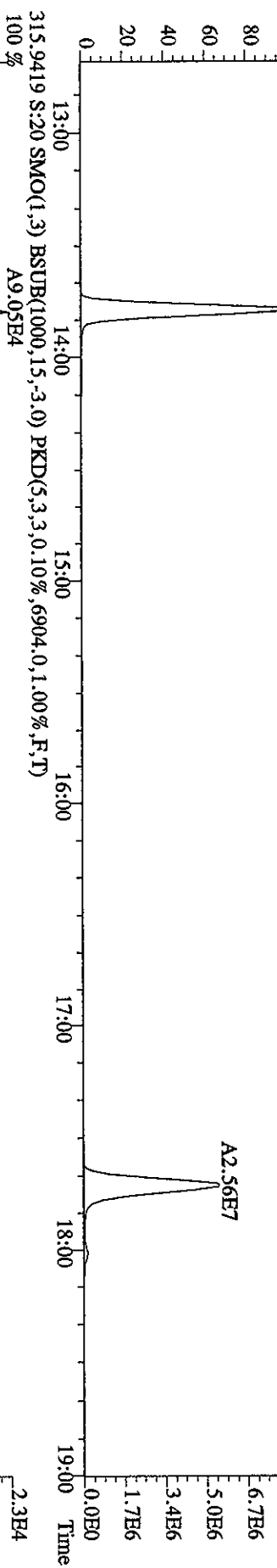
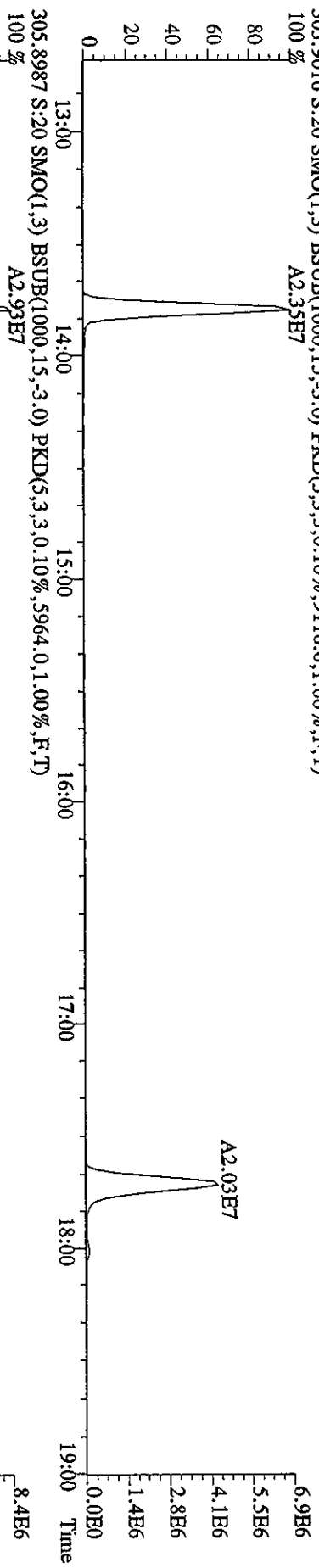
File:25MY06A9D5 #1-201 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE

Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN

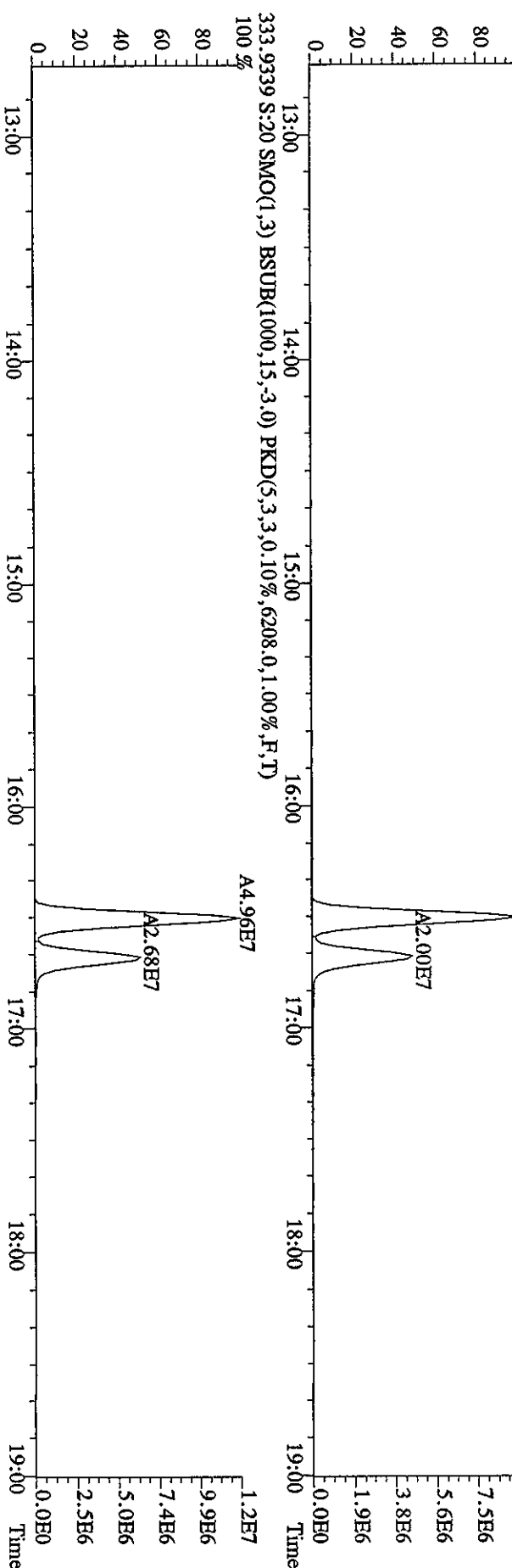
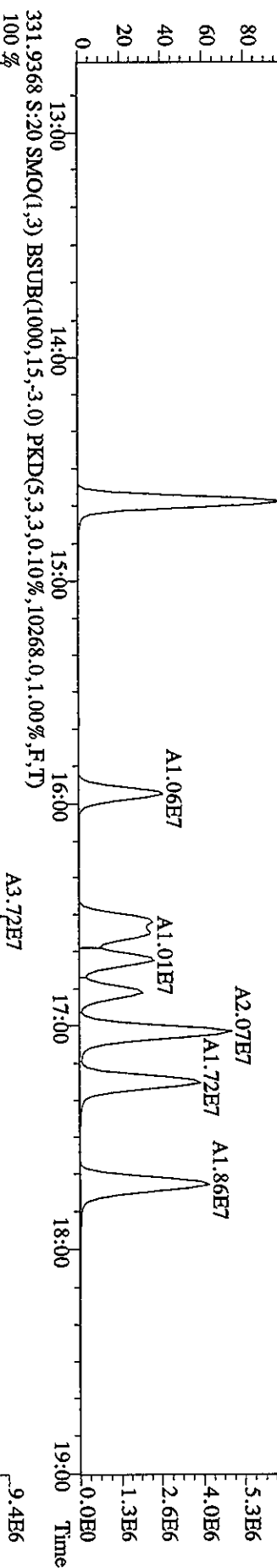
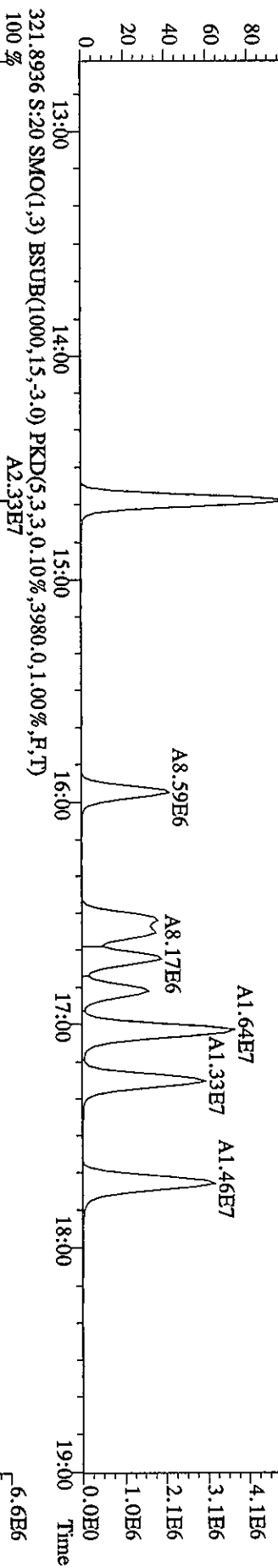
454.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



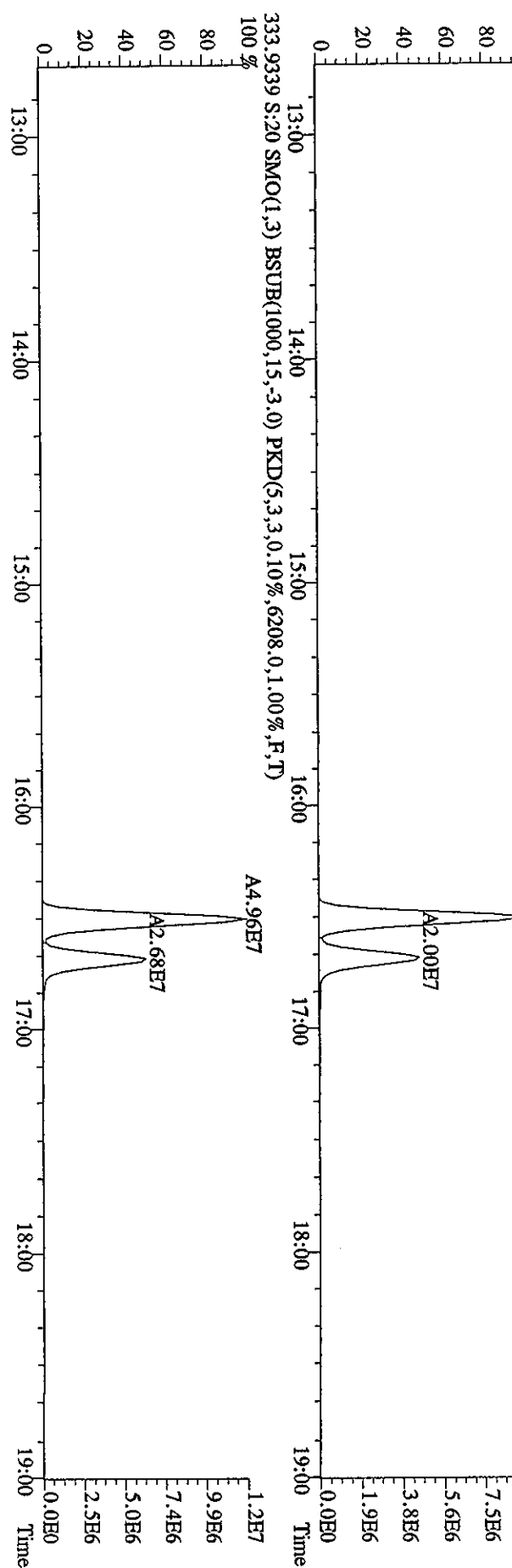
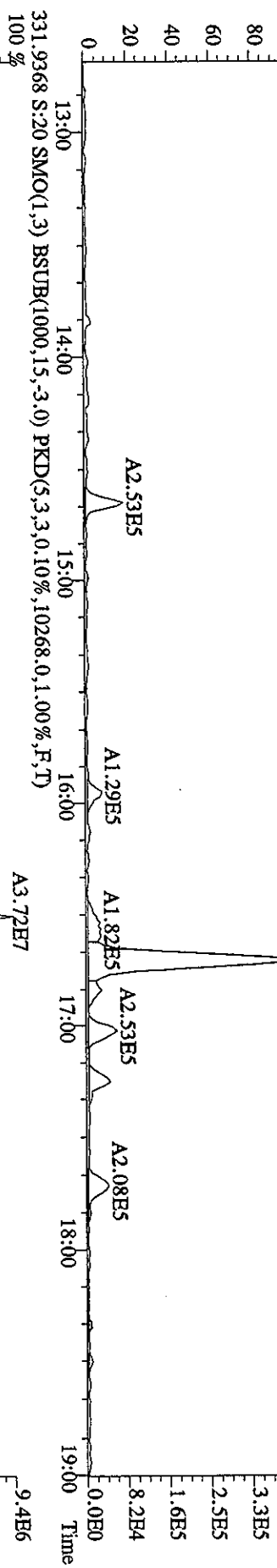
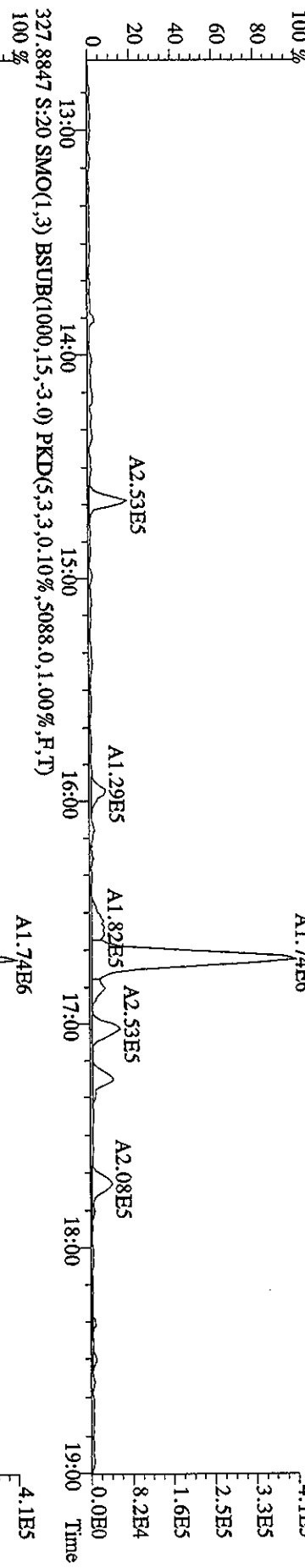
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#20 Text:CP0525A :DB-5 CPM 2565-47 Exp:DIOXIN  
 303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9116,0,1,00%,F,T)



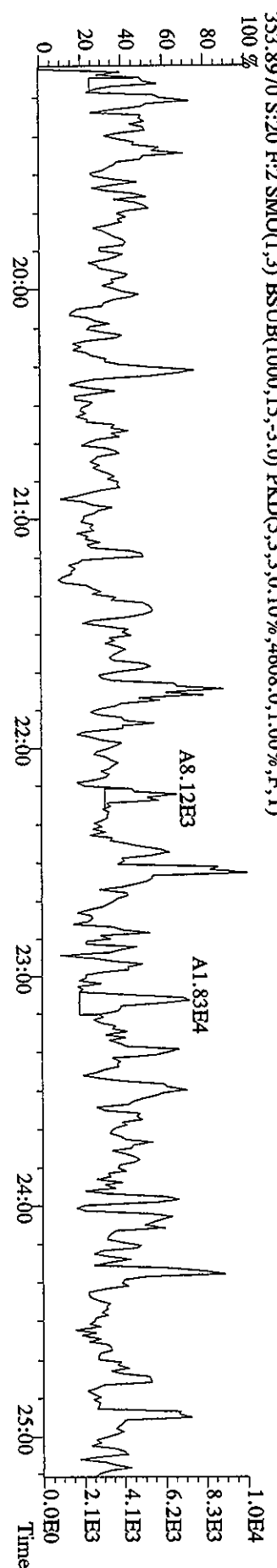
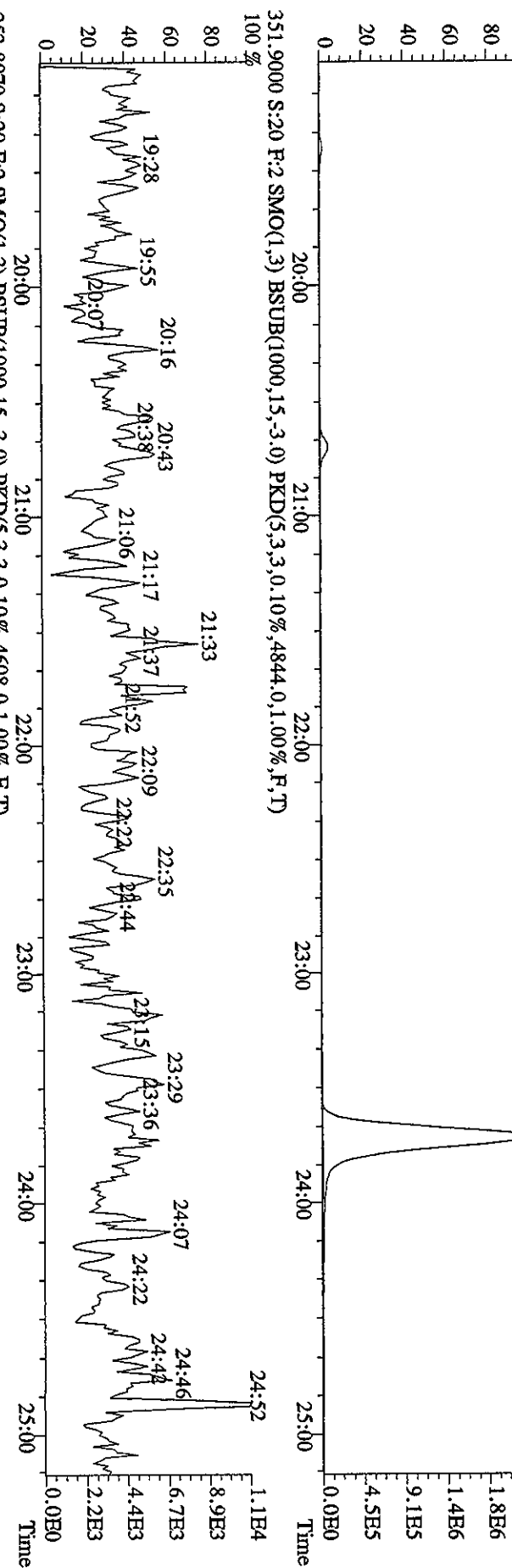
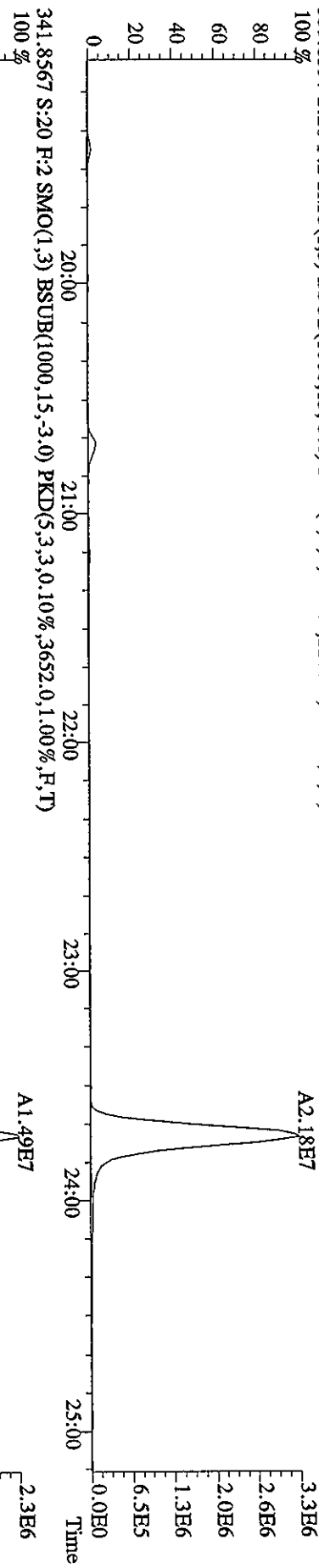
File: 25MYY06A9D5 #1-439 Acq: 26-MAY-2006 10:27:44 GC: EI + Voltage SIR Autospec-UltimaB  
 Sample# 20 Text: CP0525A : DB-5 CPSM 2565-47 Exp: DIOXIN  
 319.8965 S: 20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4124.0,1.00%,F,T)  
 100%



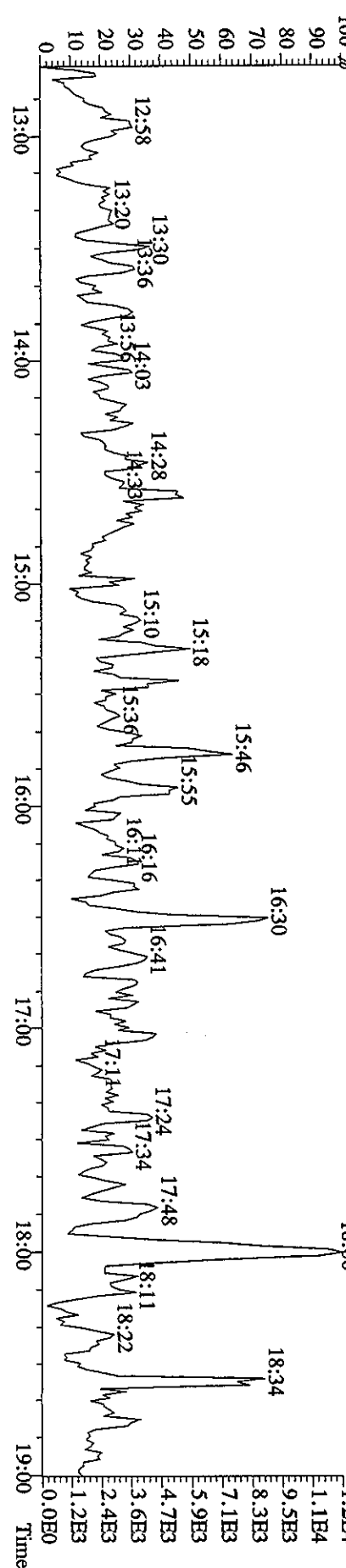
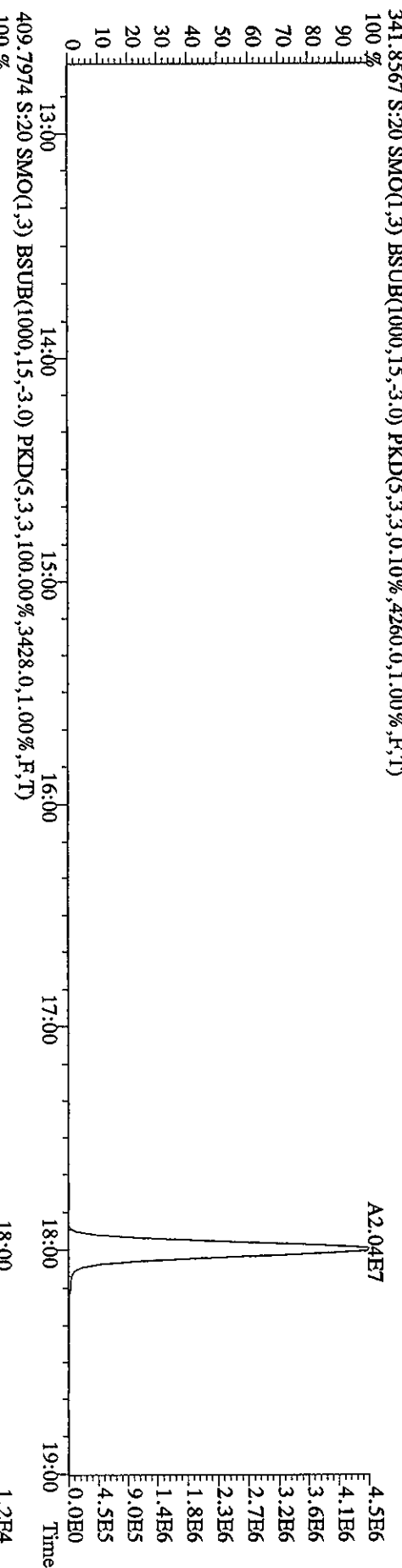
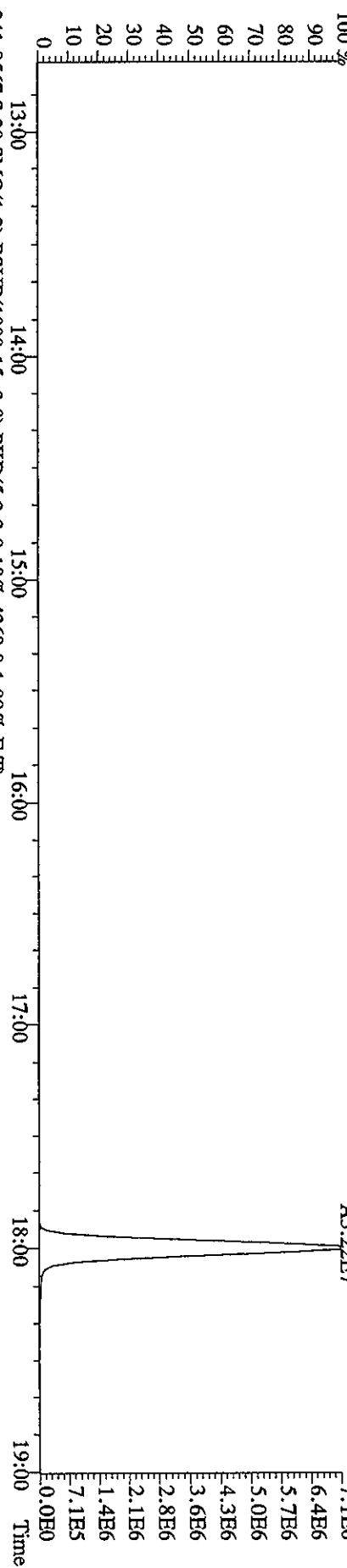
File: 25MY06A9D5 #1-439 Acq: 26-MAY-2006 10:27:44 GC: EI + Voltage SIR Autospec-UltimaE  
 Sample#20 Text: CP0525A :DB-5 CPSM 2565-47 Exp: DIOXIN  
 327.8847 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5088,0.1,00%,F,T)



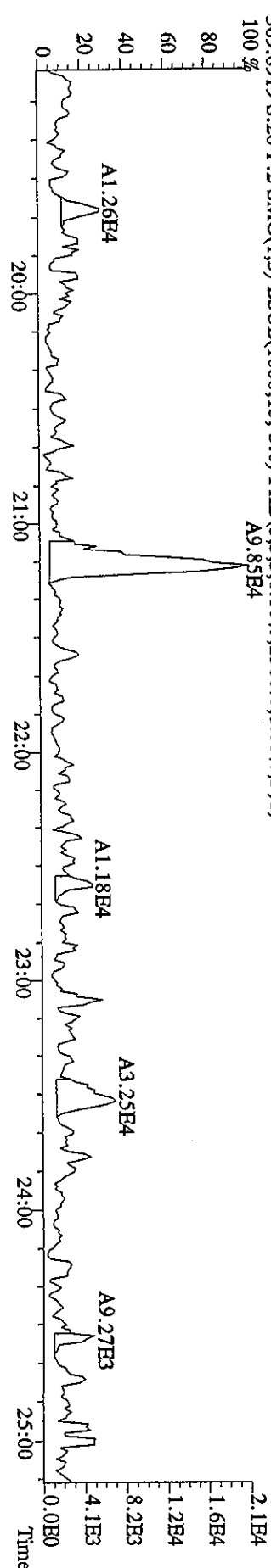
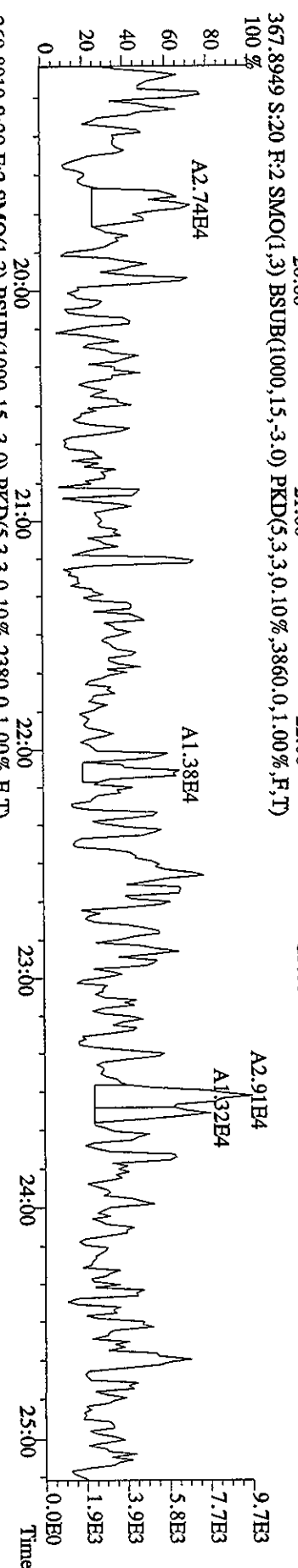
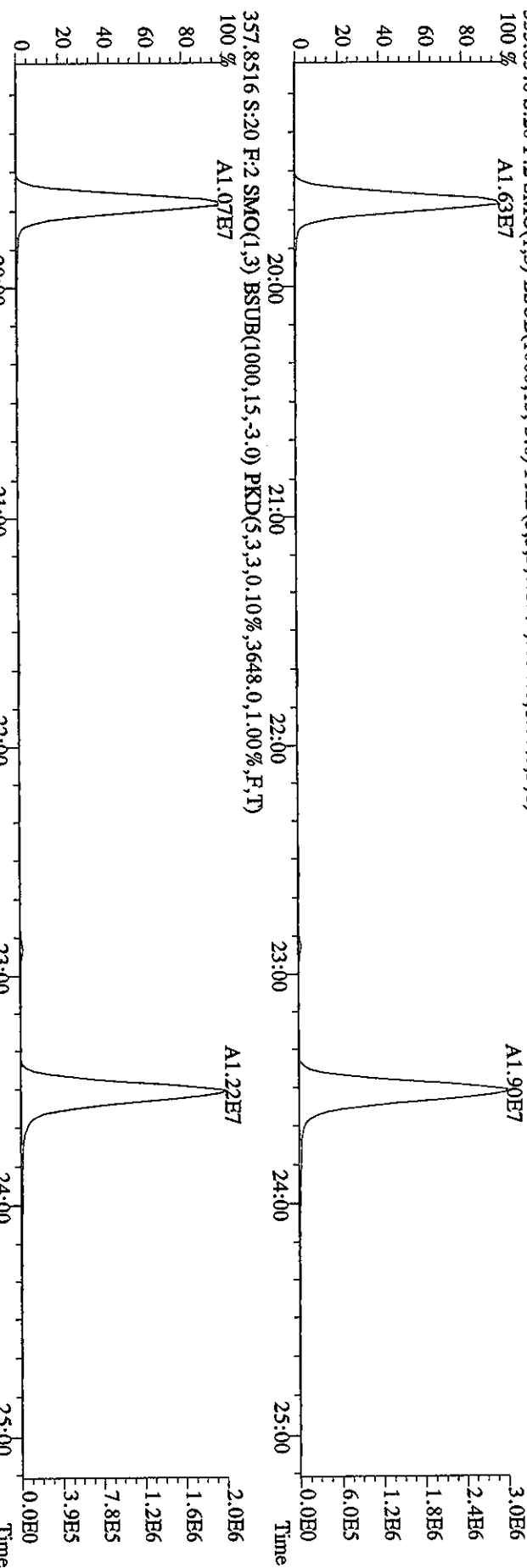
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 10:27:44 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#20 Text:CP0525A :DB-5 CP5M 2565-47 Exp:DIOXIN  
 339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2208.0,1.00%,F,T)



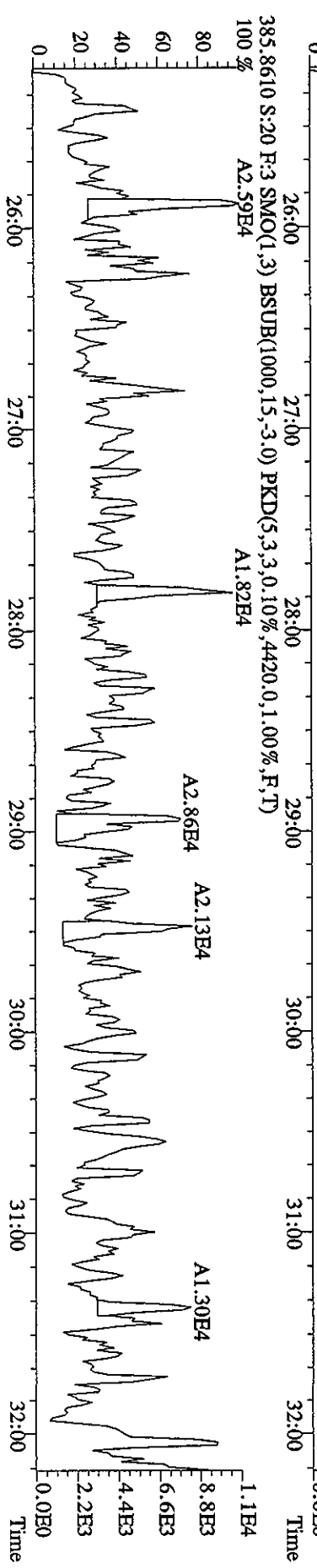
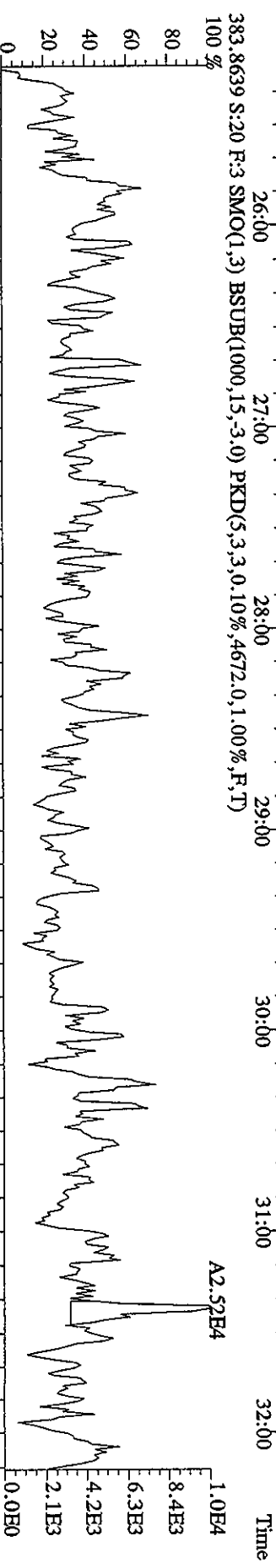
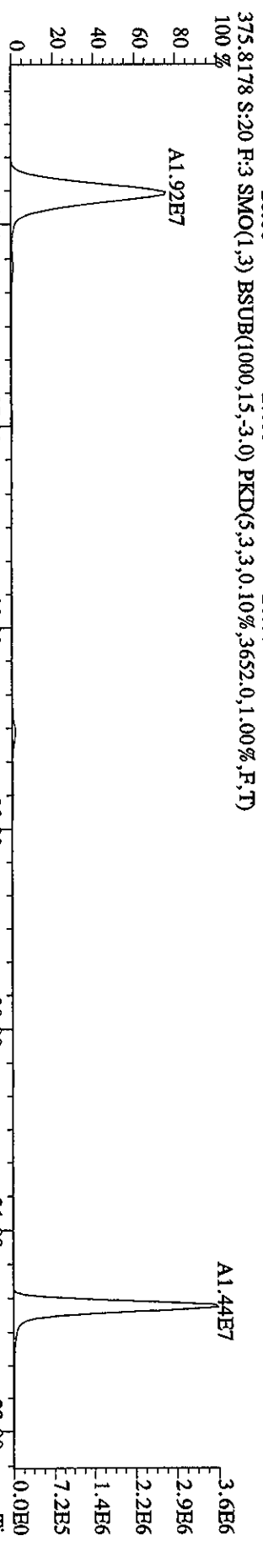
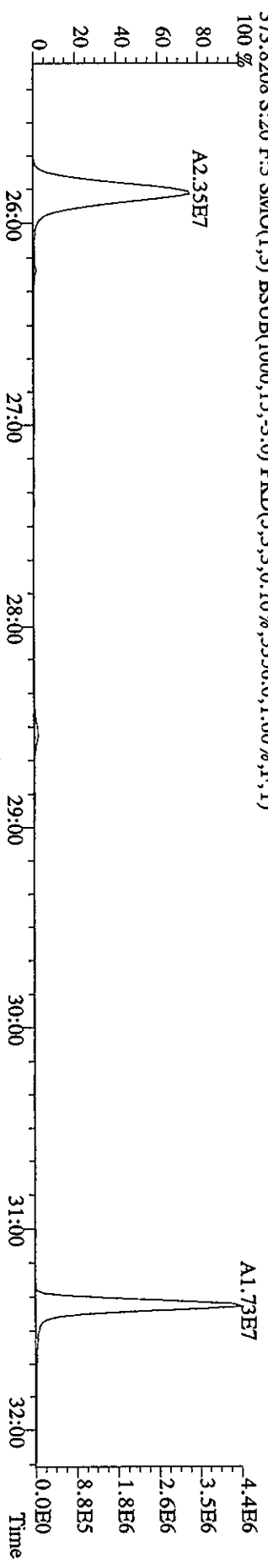
File: 25MY06A9D5 #1-439 Acq: 26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample# 20 Text: CP0525A :DB-5 CPSM 2565-47 Exp: DIOXIN  
 339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3152.0,1.00%,F,T)



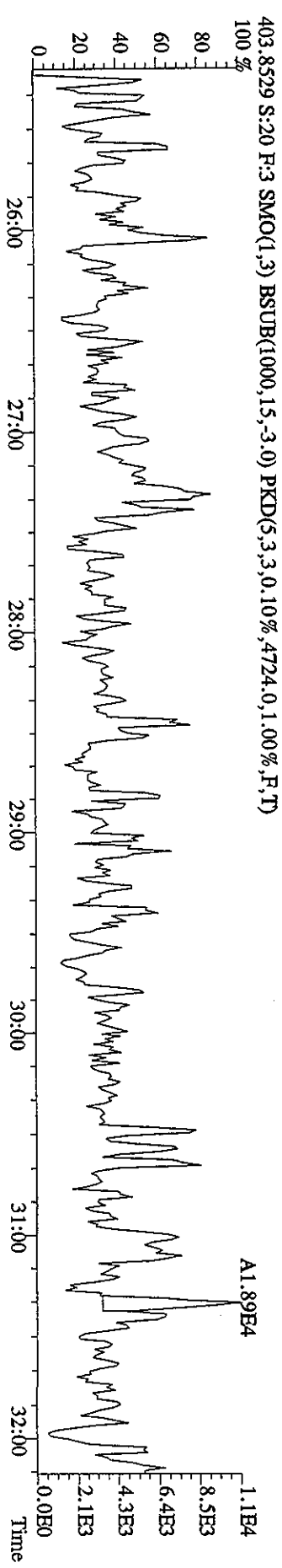
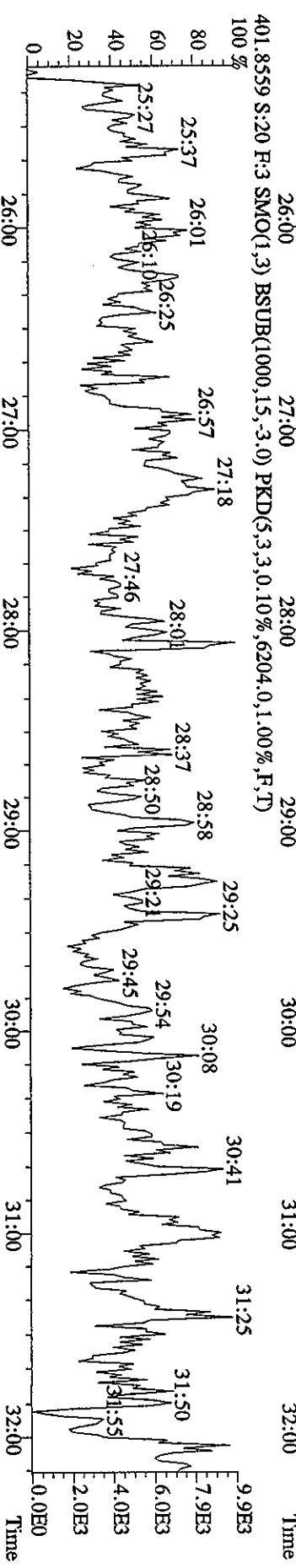
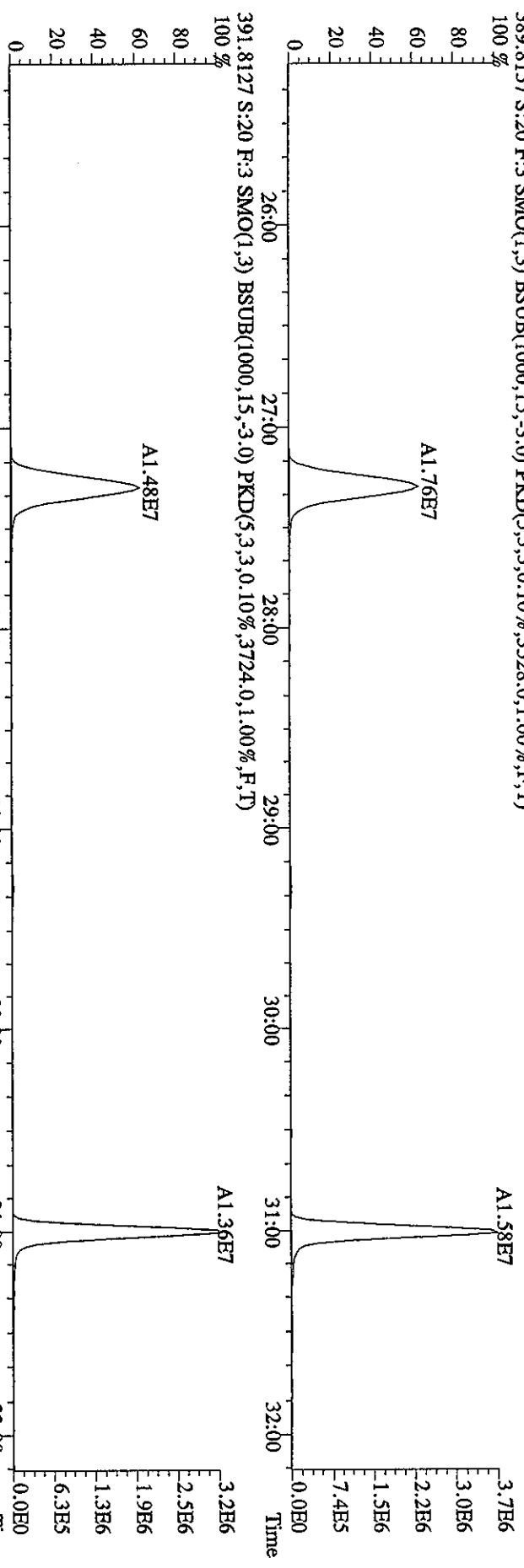
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN  
 355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5396,0,1.00%,F,T)  
 100%



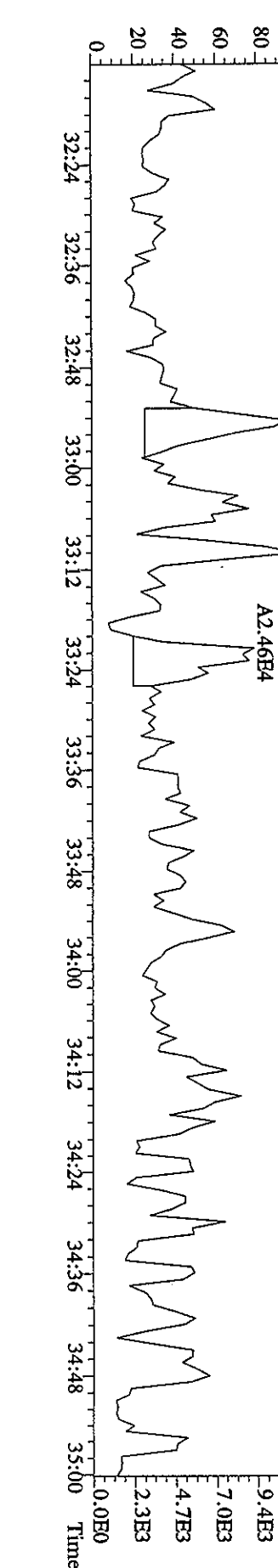
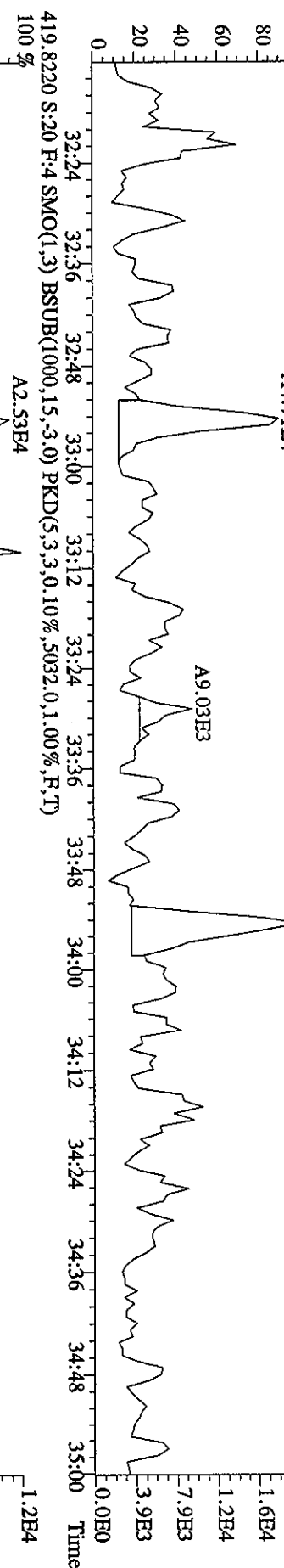
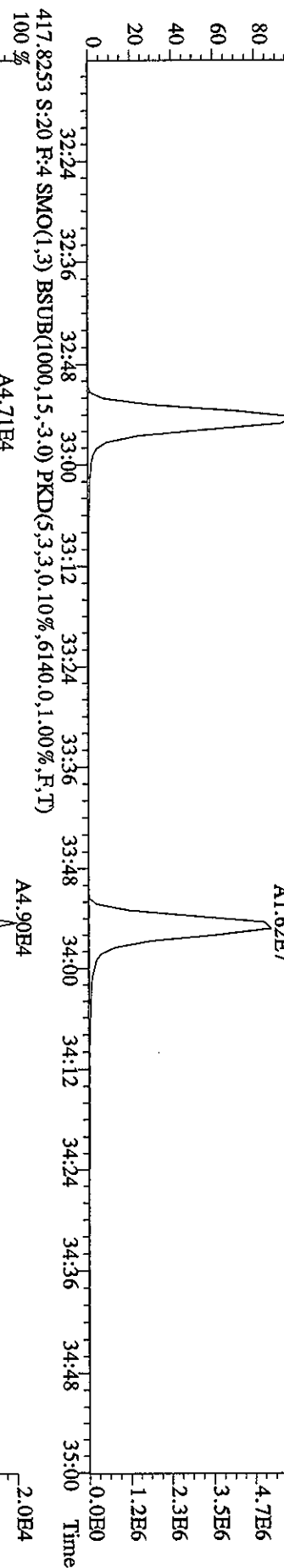
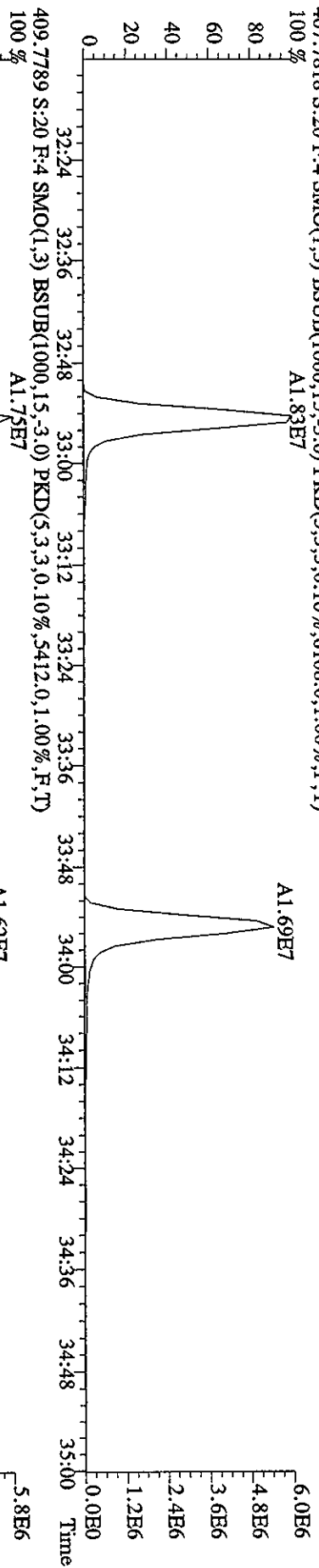
File: 25MY06A9D5 #1-528 Acq: 26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text: CP0525A :DB-5 CPSM 2565-47 Exp: DIOXIN  
 373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5356,0,1,00%,F,T)



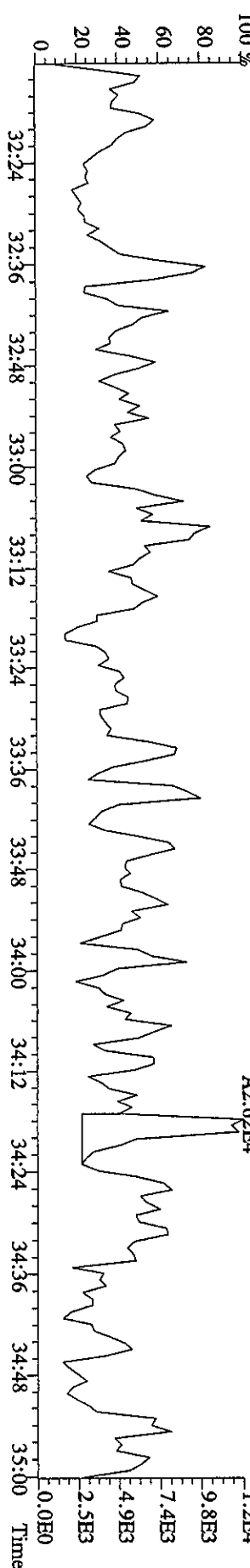
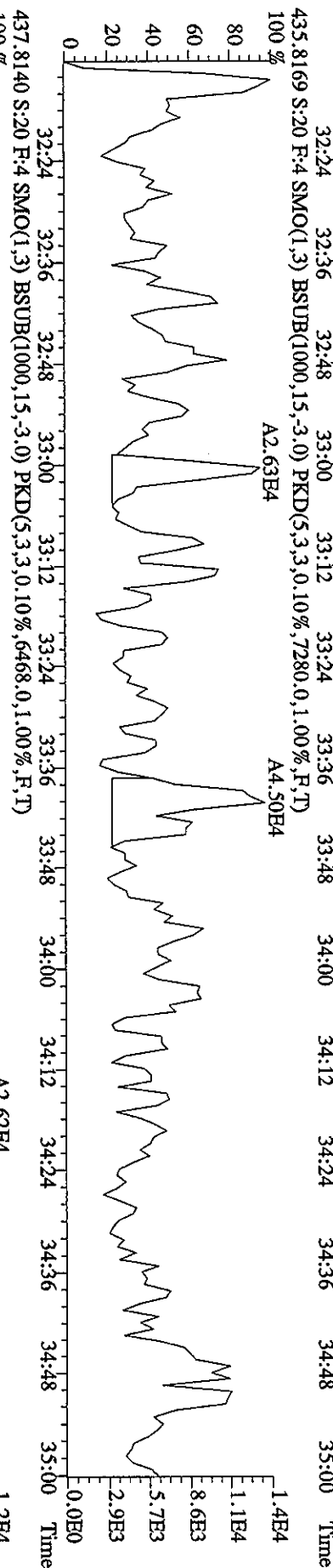
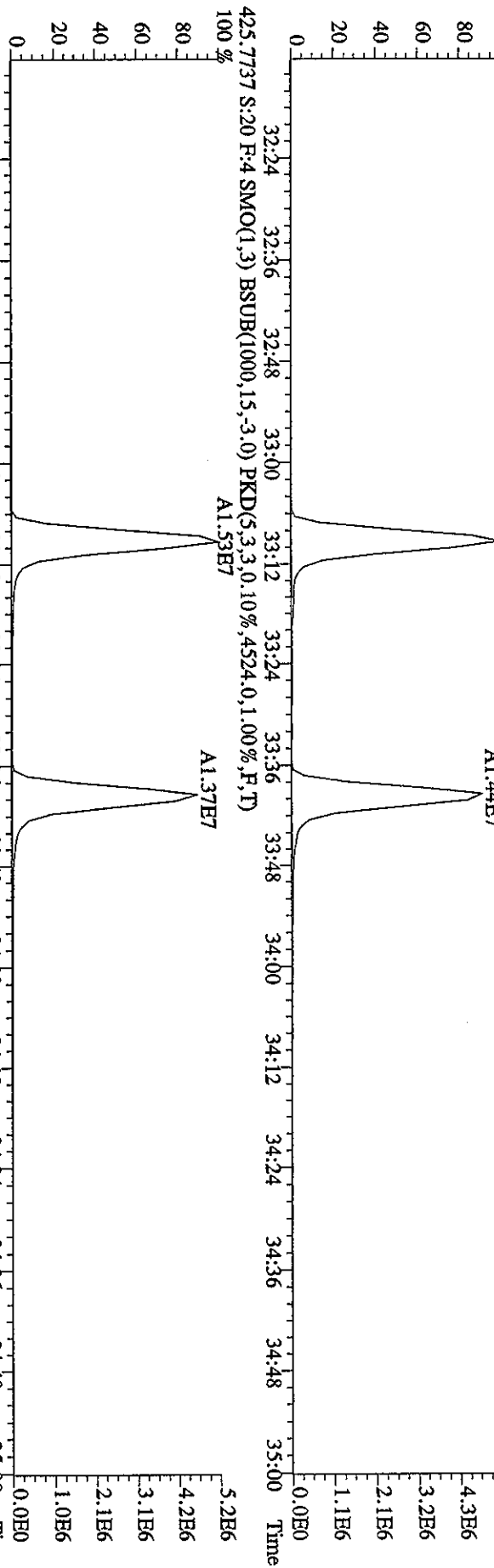
File: 25MY06A9D5 #1-528 Acq: 26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text: CP0525A :DB-5 CPSM 2565-47 Exp: DIOXIN  
 389.8157 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3528.0,1.00%,F,T)



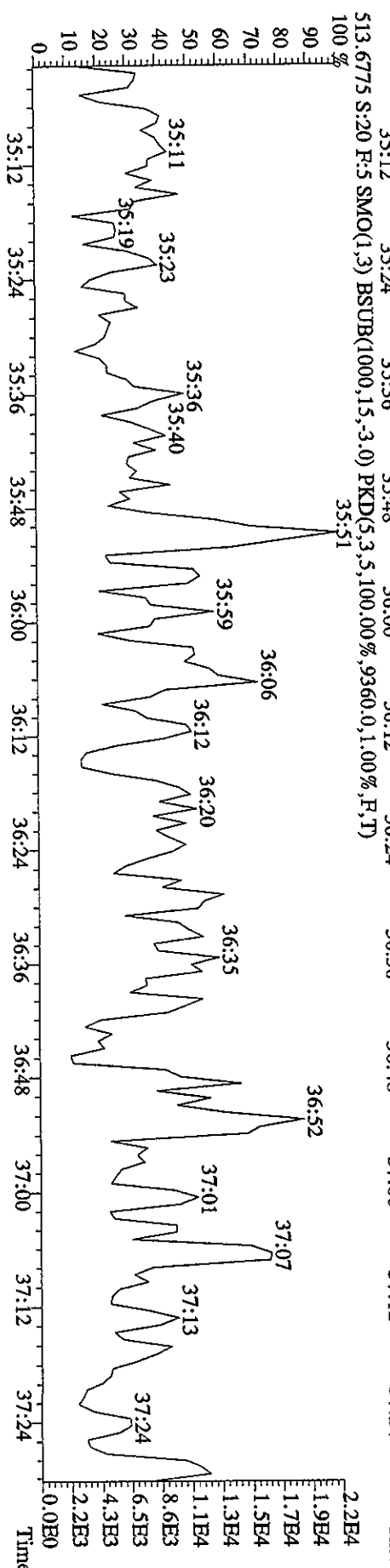
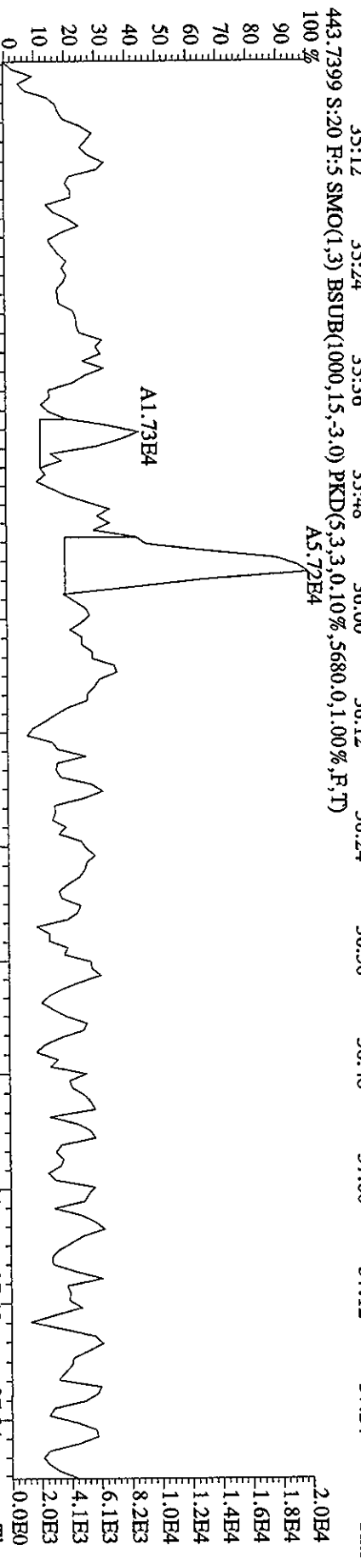
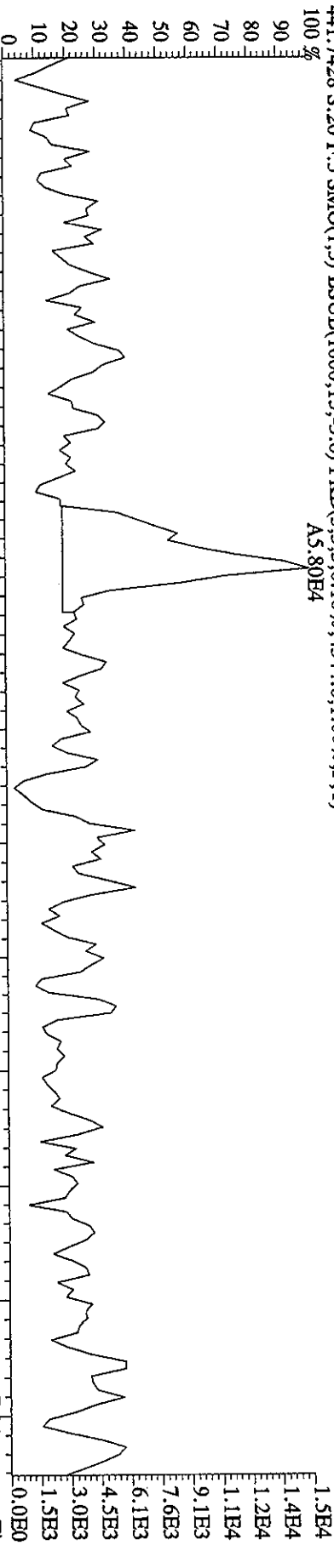
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#20 Text:CP0525A :DB-5 CP5M 2565-47 Exp:DIOXIN  
 407.7818 S:20 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6108,0,1,00%,F,T)  
 100%



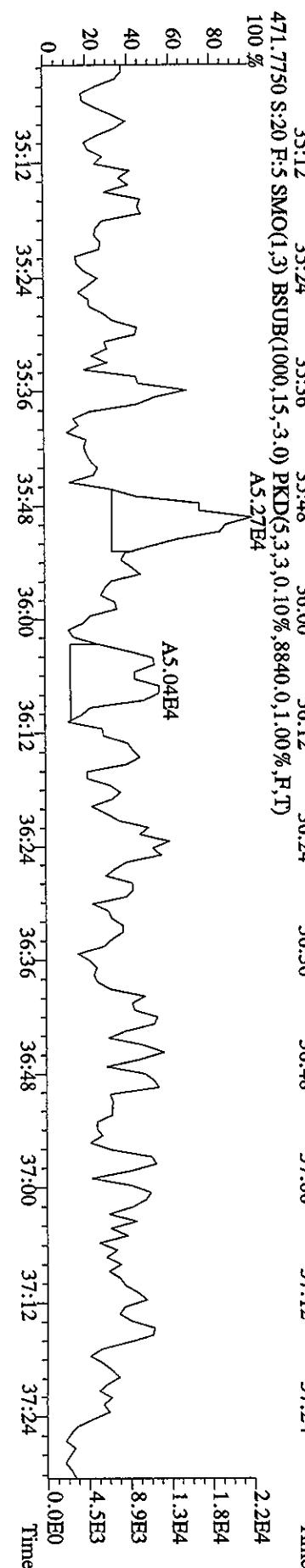
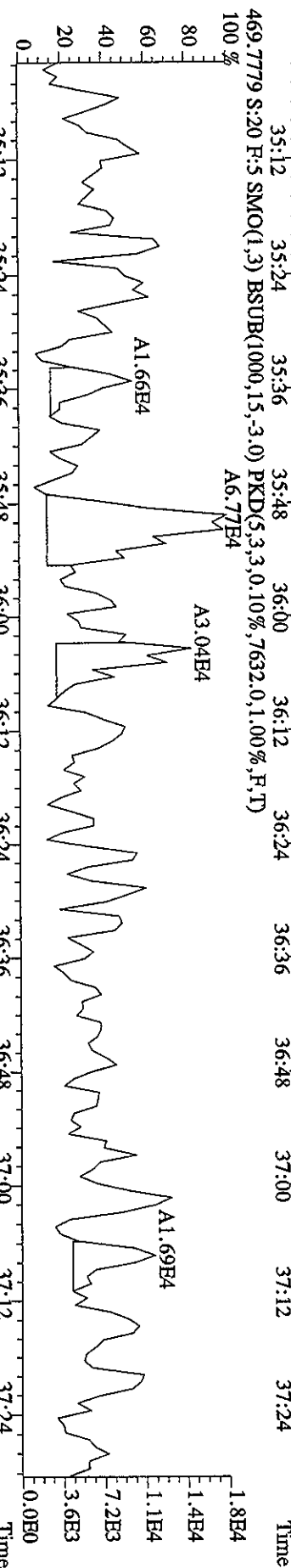
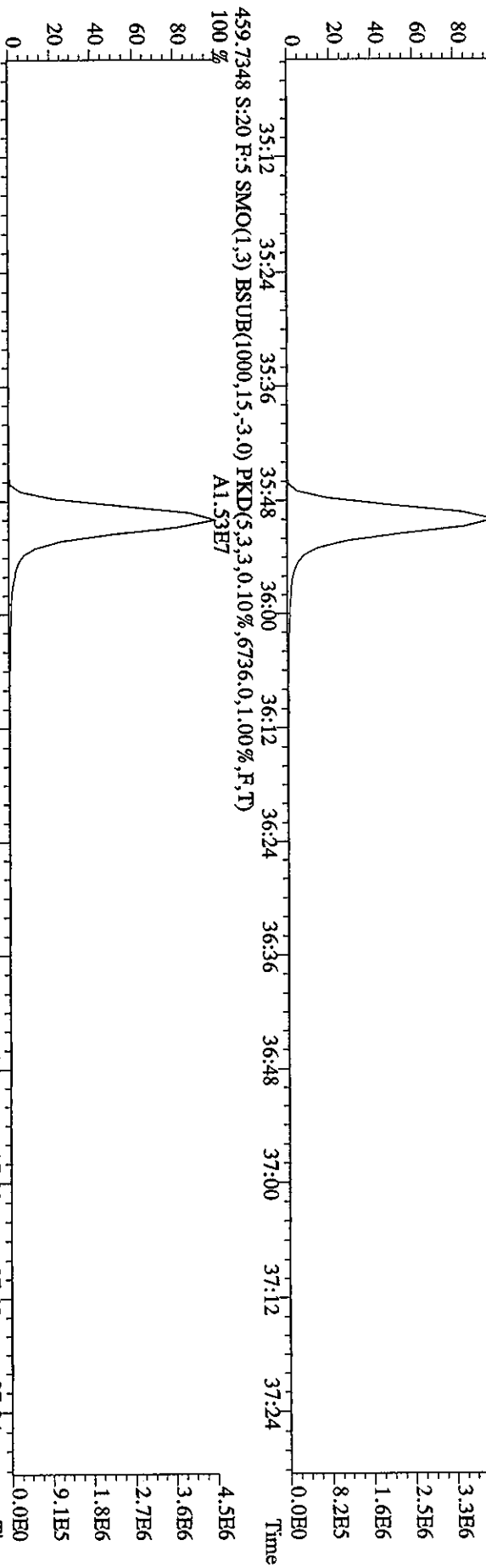
File:25MYY06A9D5 #1-224 Acq:26-MAY-2006 10:27:44 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN  
 423.7766 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3536.0,1.00%,F,T)  
 100 %



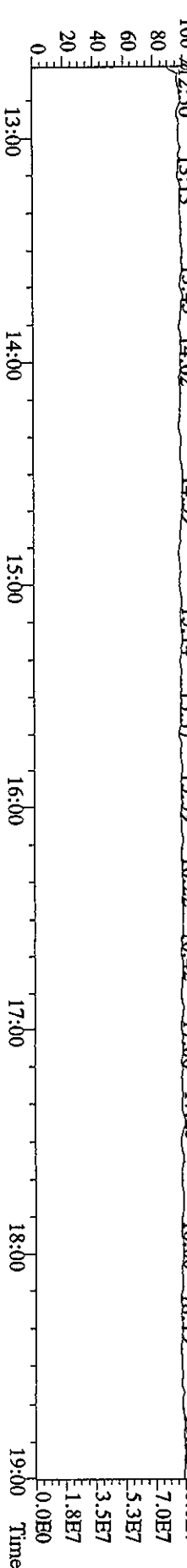
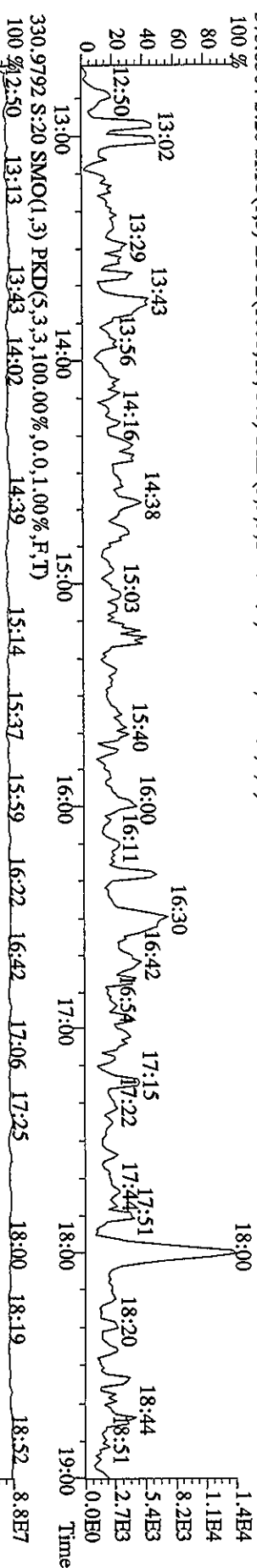
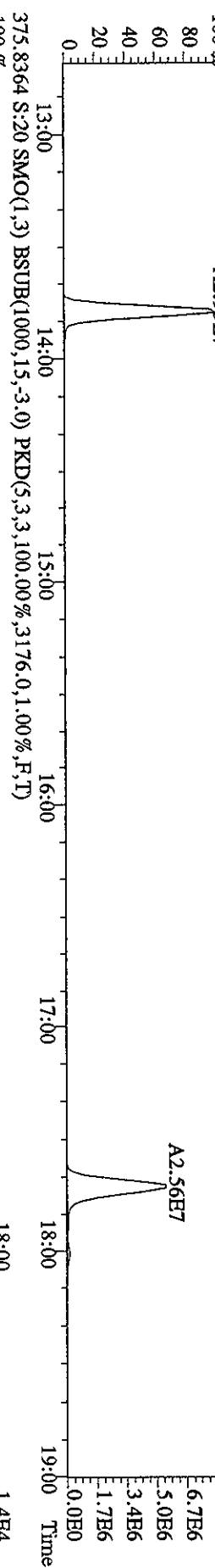
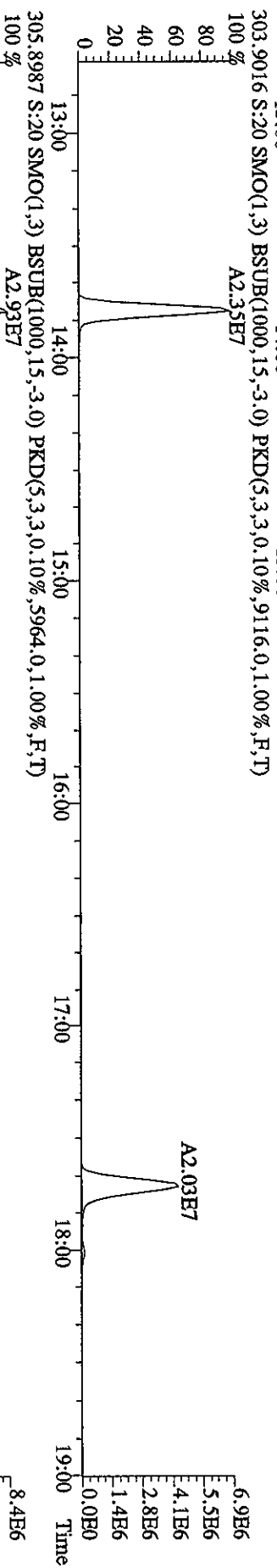
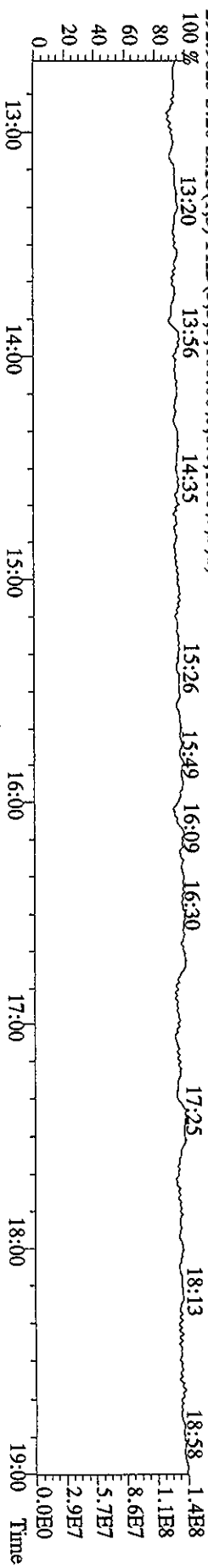
File:25MY06A9D5 #1-201 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN  
 441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4344.0,1.00%,F,T)  
 443.7399 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5680.0,1.00%,F,T)



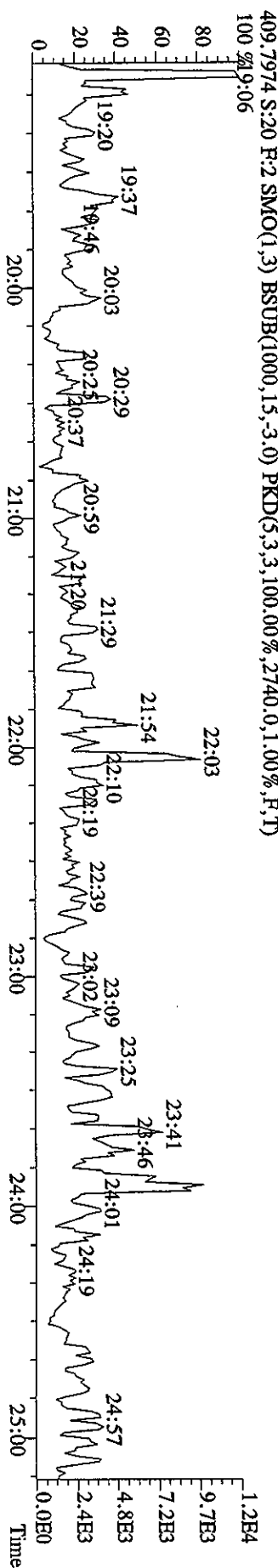
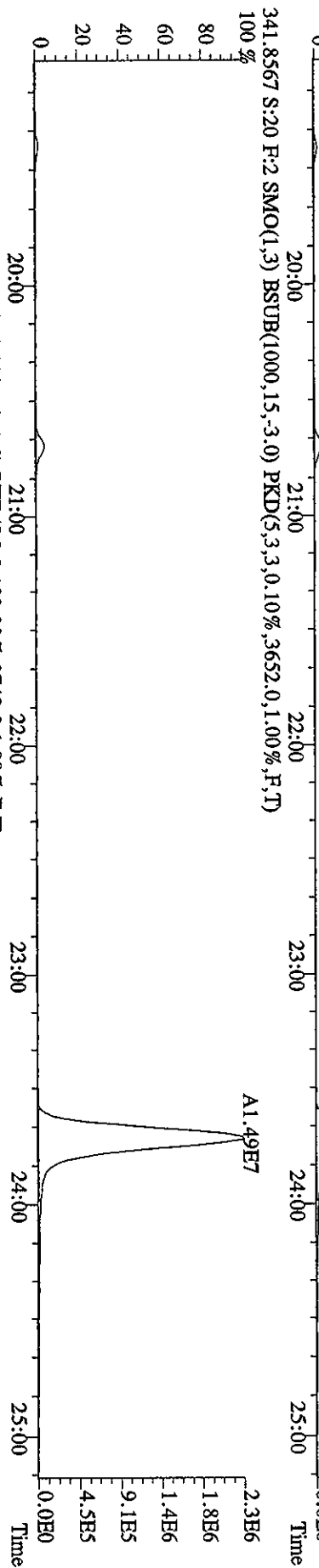
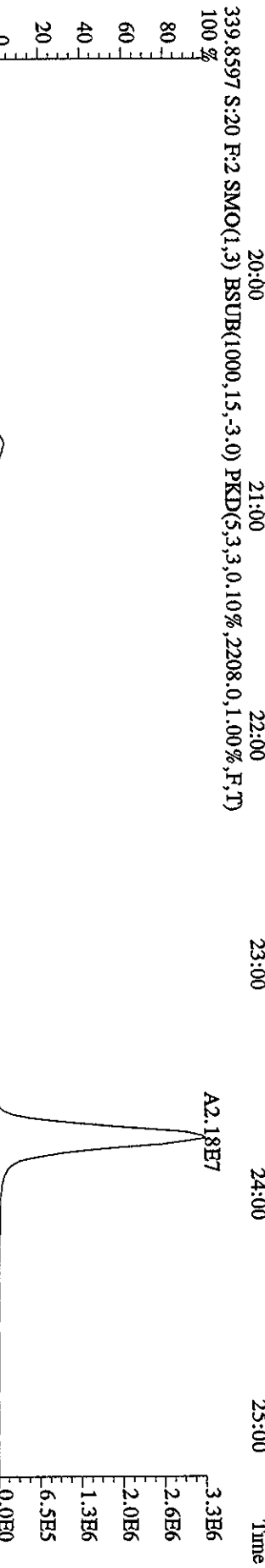
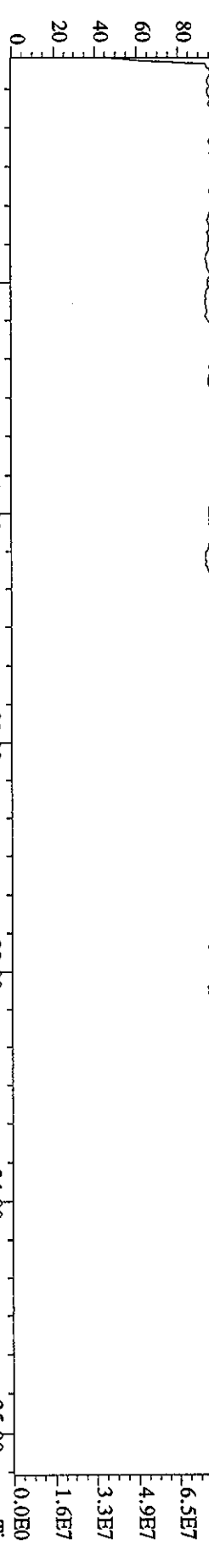
File:25MY06A9D5 #1-201 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN  
 457.7377 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7712.0,1.00%,F,T)  
 100 %



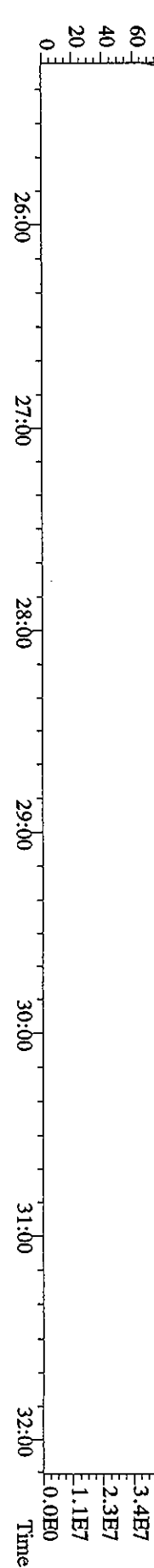
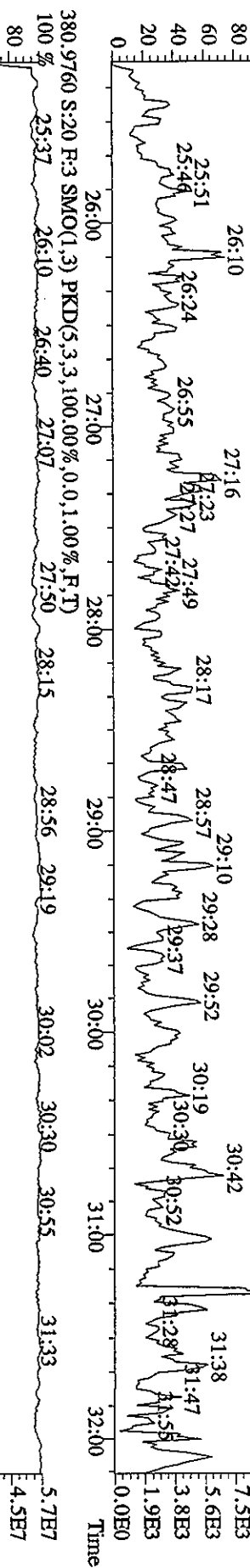
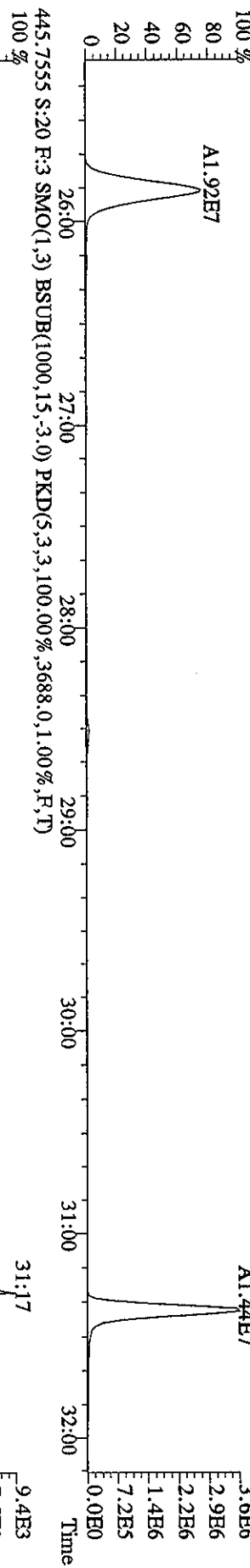
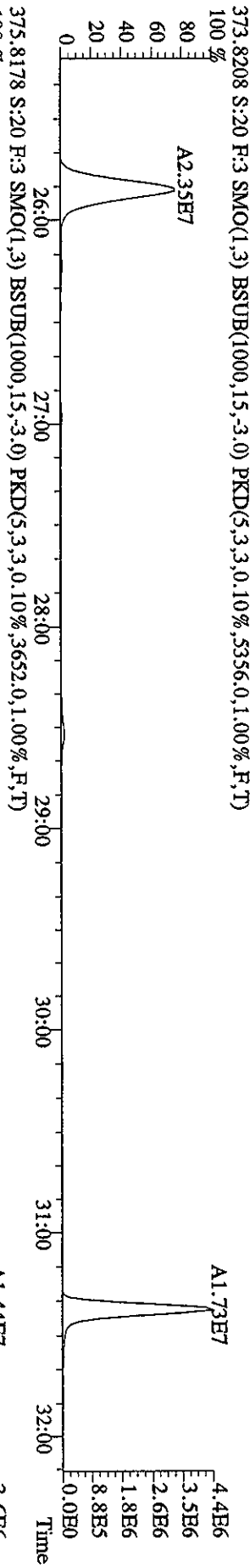
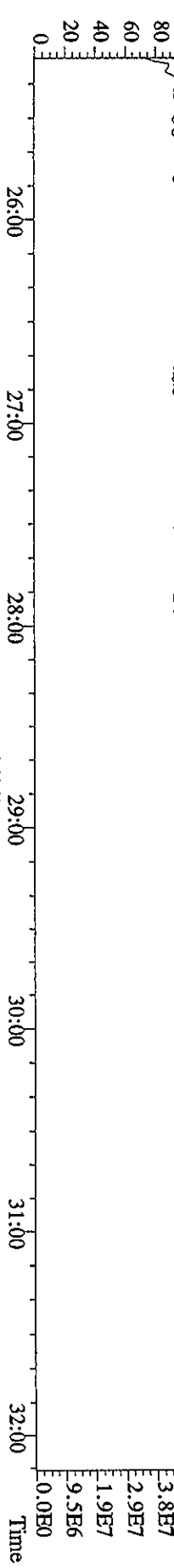
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN  
 292.9825 S:20 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T) 15:26 15:49 16:09 16:30 17:25 18:13 18:58  
 100% 13:20 13:56 14:35



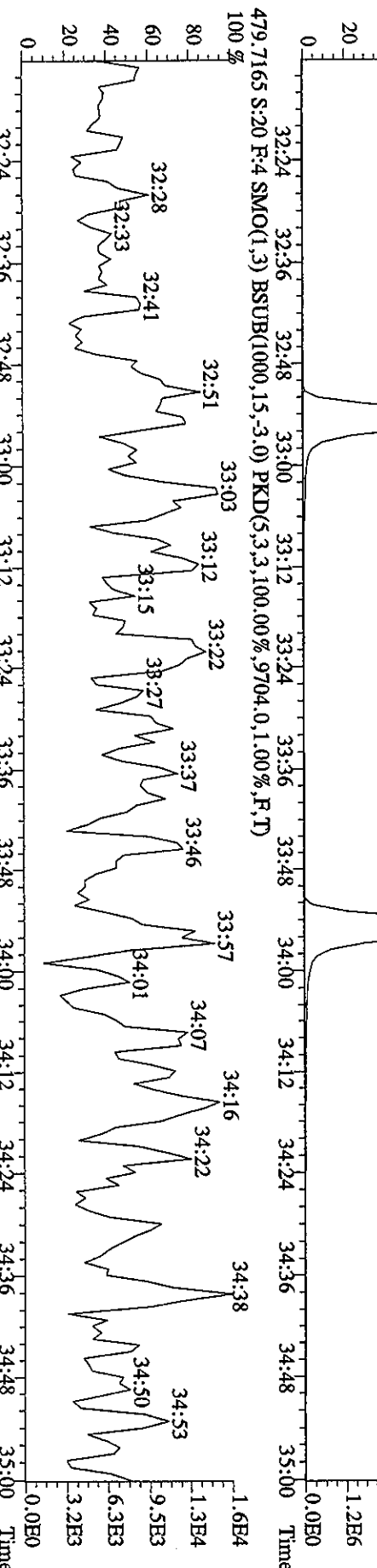
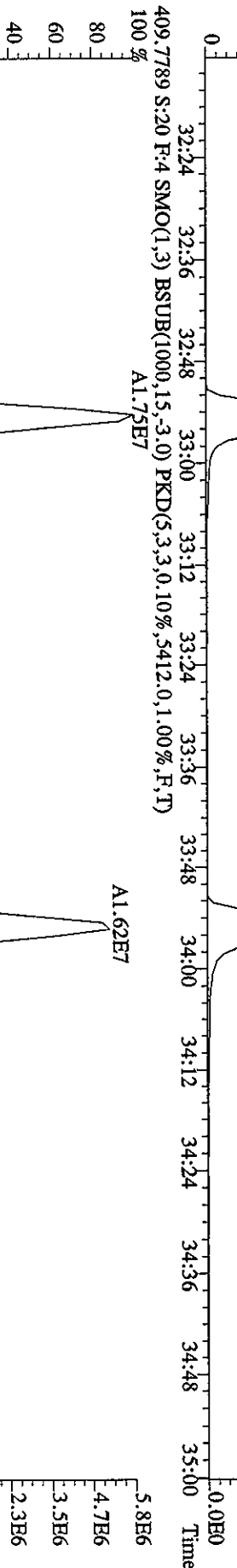
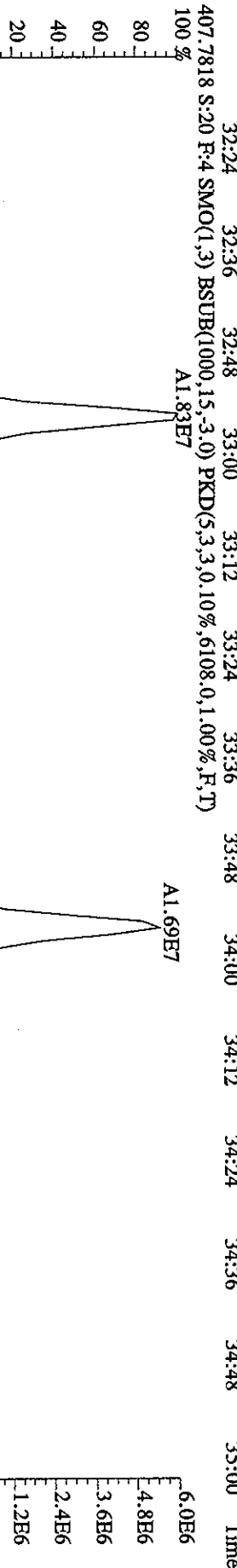
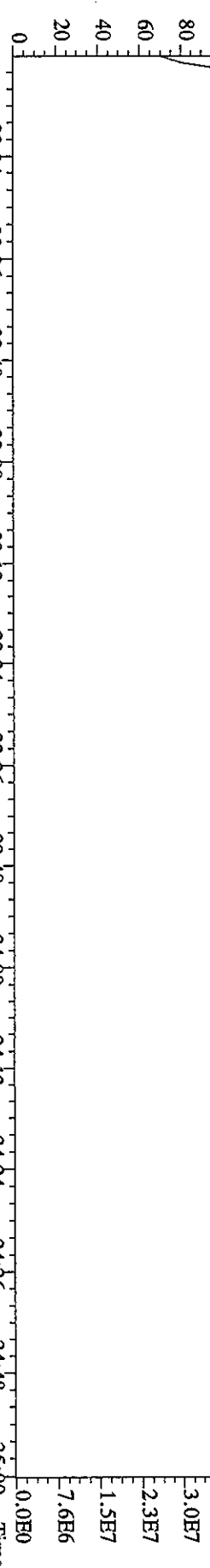
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN  
 342.9792 S:20 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)  
 100% 19:12 19:33 19:58 20:19 20:41 21:06 21:51 23:19 23:55 24:20 24:39



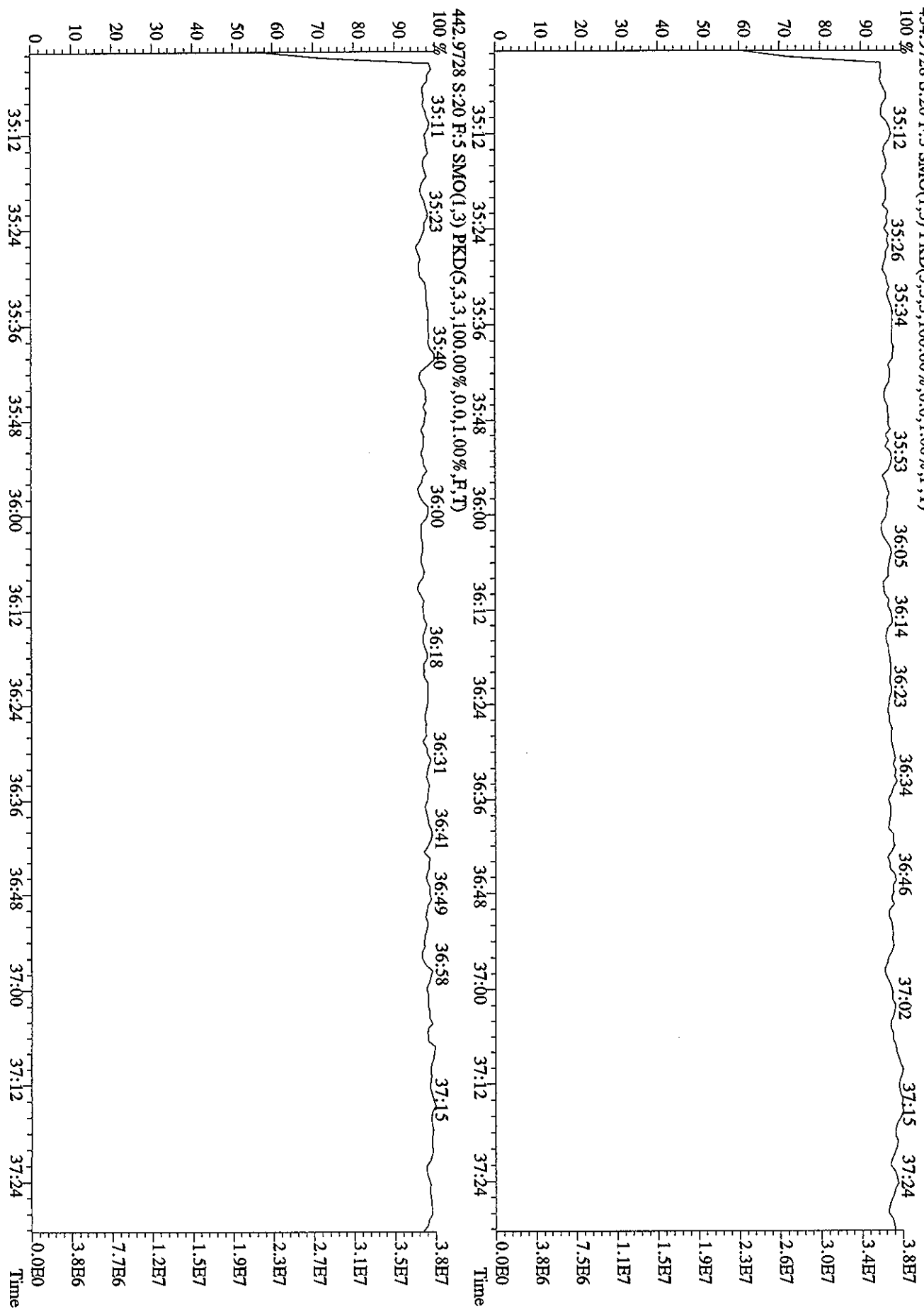
File: 25MY06A9D5 #1-528 Acq: 26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text: CP0525A :DB-5 CFSM 2565-47 Exp: DIOXIN  
 392.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100% 25:27 25:55 26:18 27:15 27:50 29:16 31:09 31:39 32:07 4.8E7  
 3.8E7  
 2.9E7  
 1.9E7  
 9.5E6  
 0.0E0



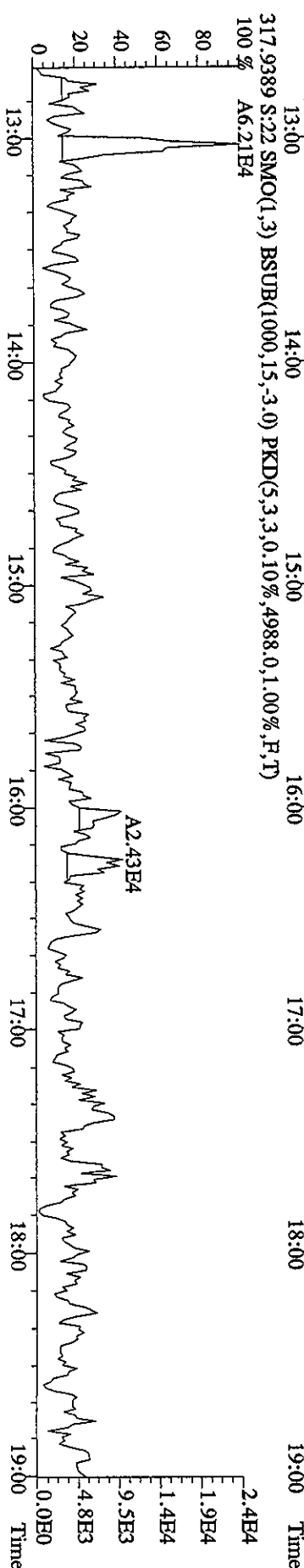
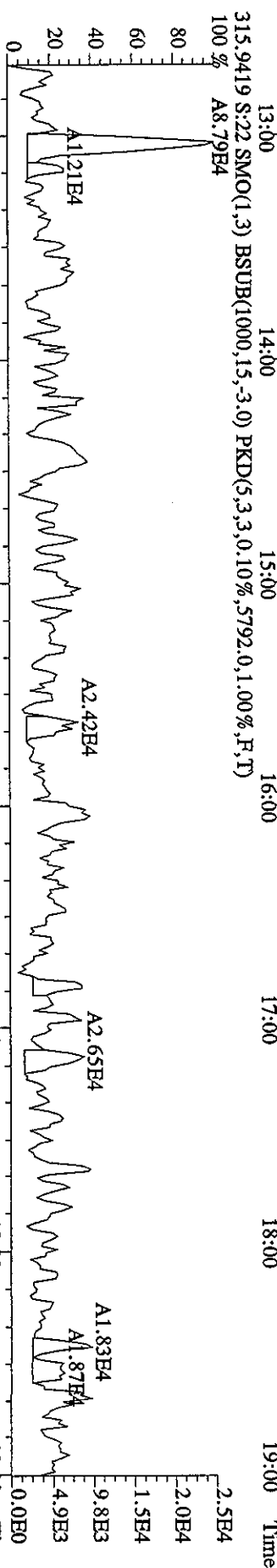
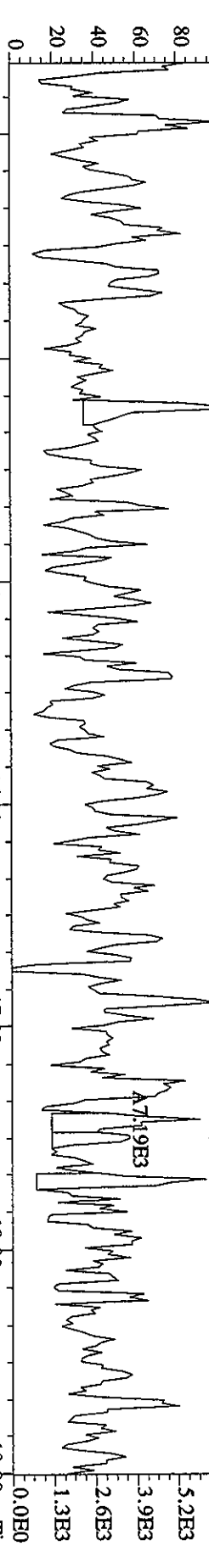
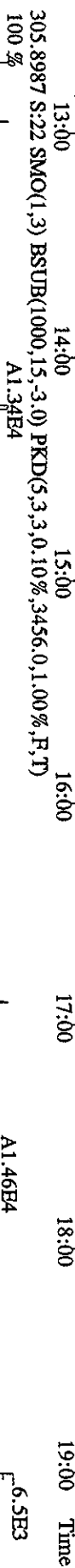
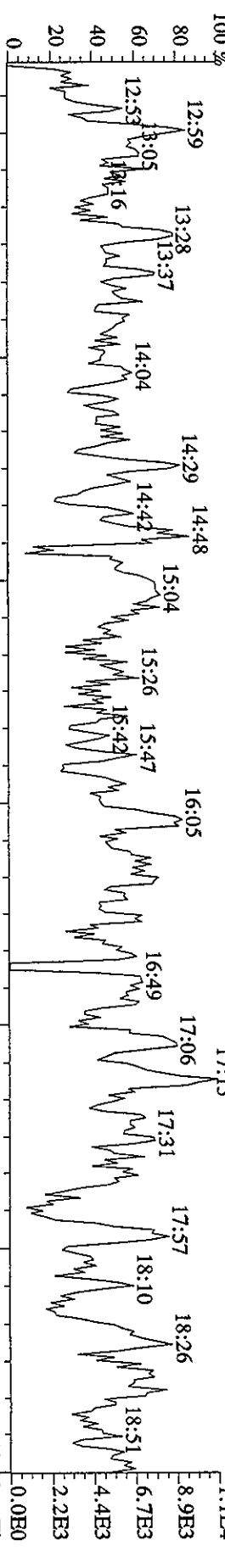
File: 25MY06A9D5 #1-224 Acq: 26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text: CP0525A .DB-5 CP5M 2565-47 Exp: DIOXIN  
 430.9728 S:20 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100% 32:17 32:27 32:37 32:46 33:00 33:12 33:27 33:44 34:07 34:29 34:41 34:51



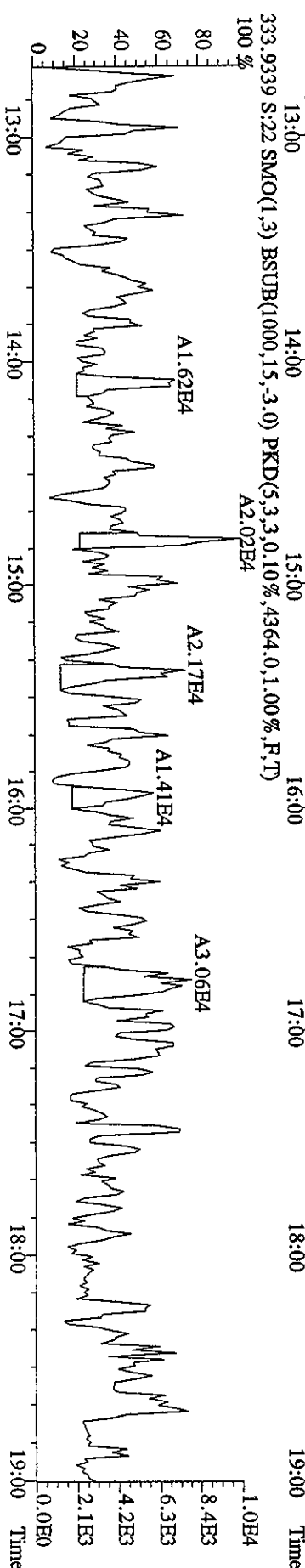
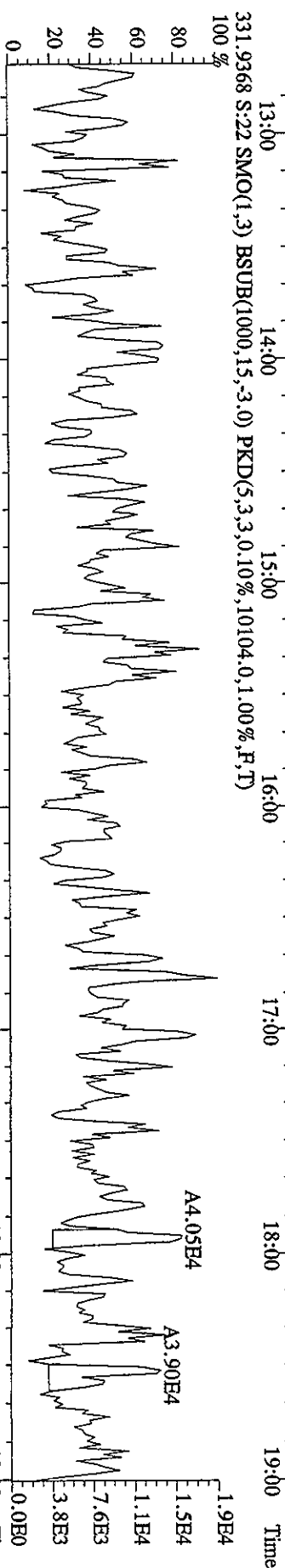
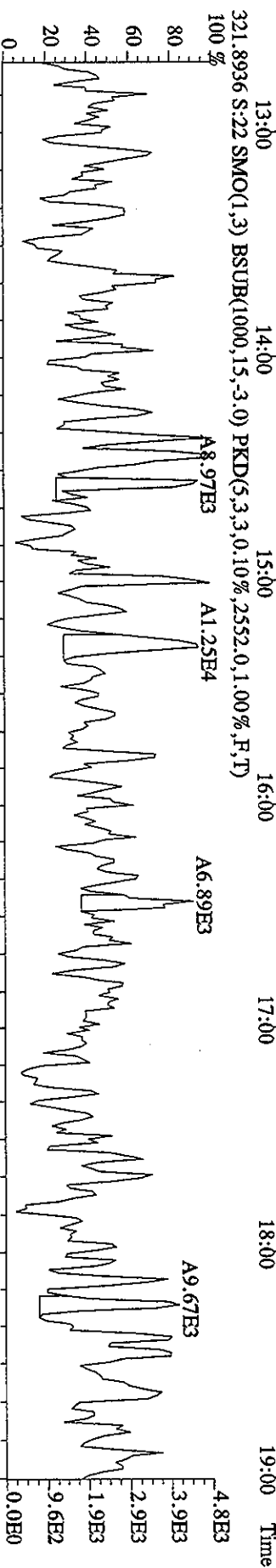
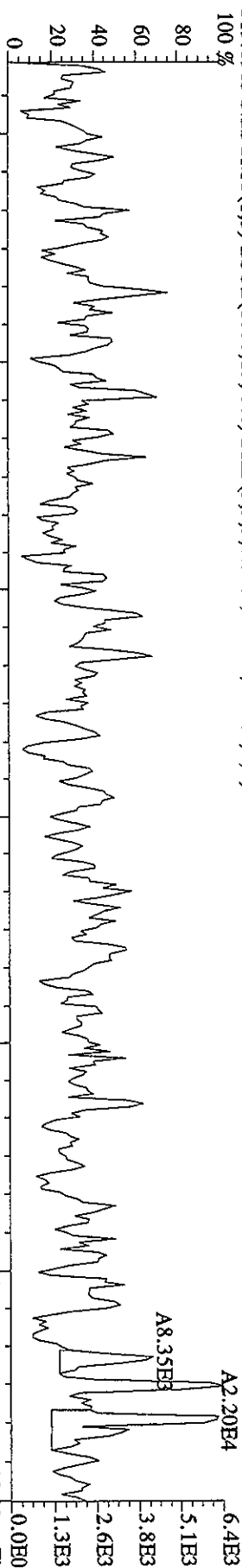
File: 23SMY06A9D5 #1-201 Acq: 26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#20 Text: CP0525A :DB-5 CPSM 2565-47 Exp: DIOXIN  
 454.9728 S:20 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



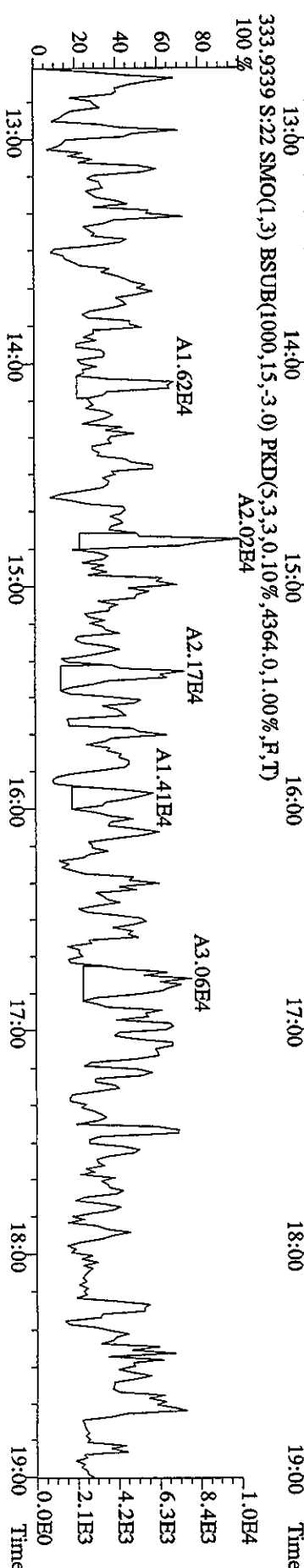
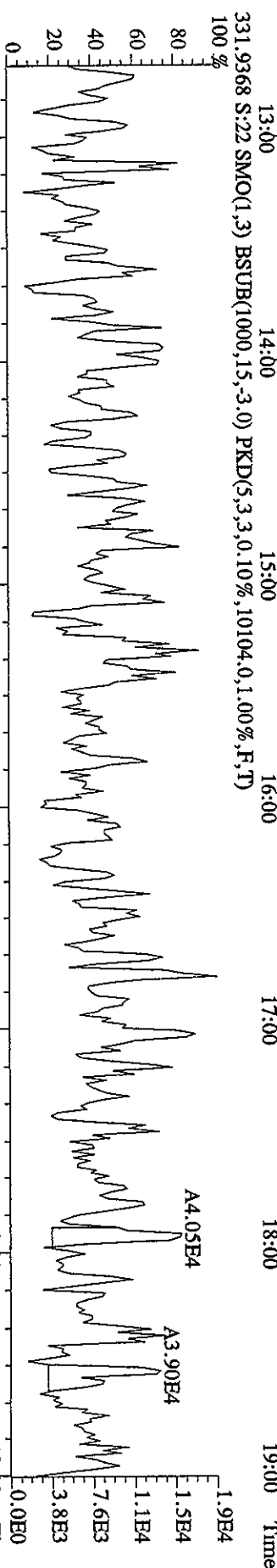
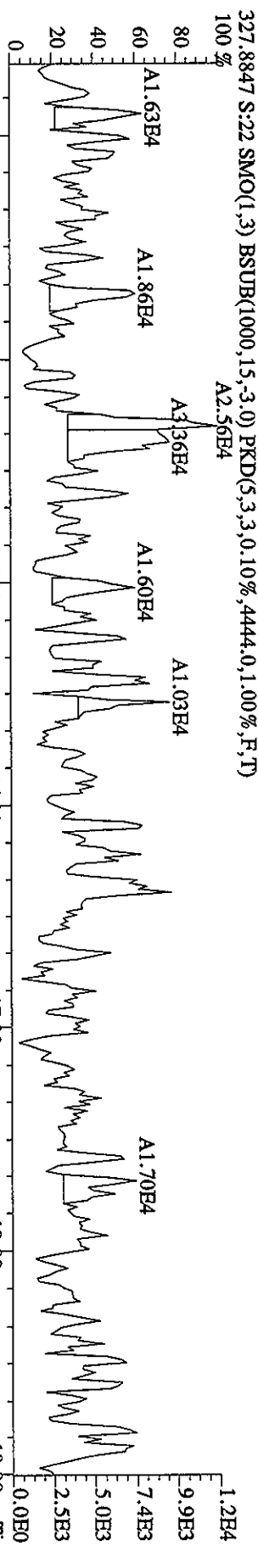
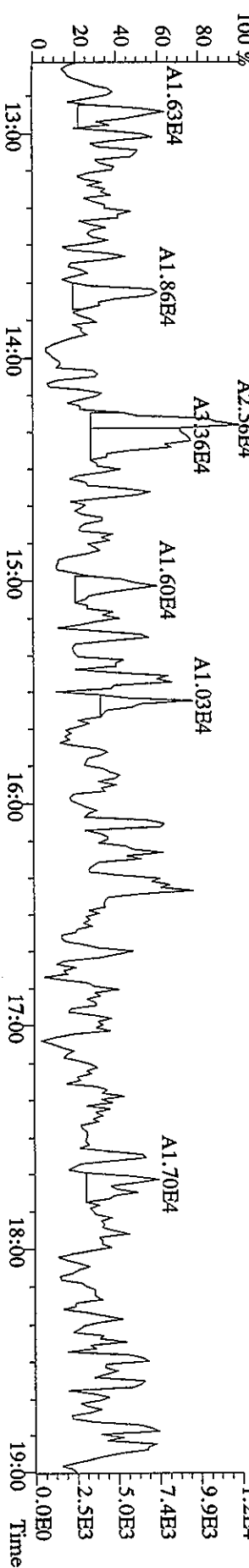
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 11:50:45 GC EI + Voltage SIR Autospec-UtimaE  
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN  
 303.9016 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7208.0,1.00%,F,T)



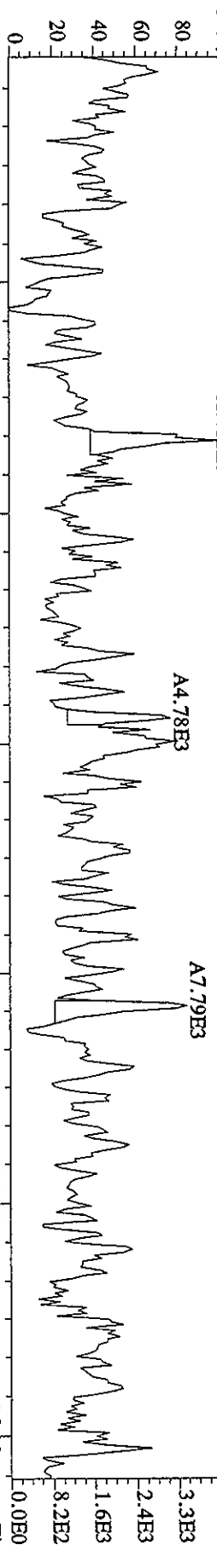
File: 25MY06A9D5 #1-439 Acq: 26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#22 Text: SB0525C : Solvent Blank C-14 Exp: DIOXIN  
 319.8965 S: 22 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2744.0,1.00%,F,T)



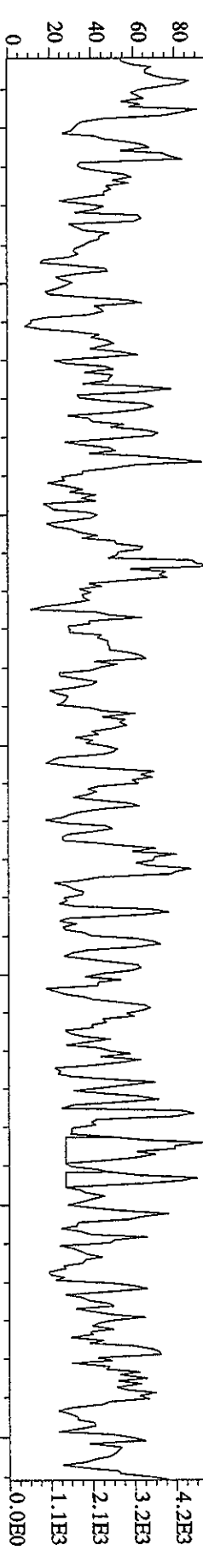
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 11:50:45 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN  
 327.8847 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4444.0,1.00%,F,T)



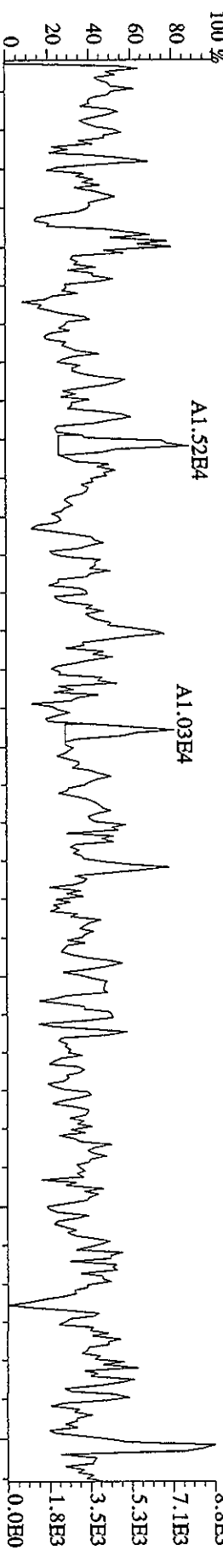
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN  
 339,8597 S:22 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1868,0,1,00%,F,T)  
 100 %



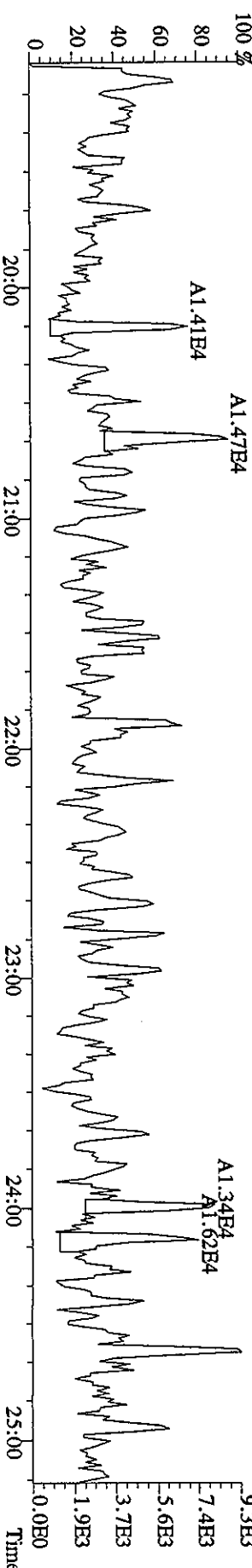
341,8567 S:22 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3068,0,1,00%,F,T)  
 100 %



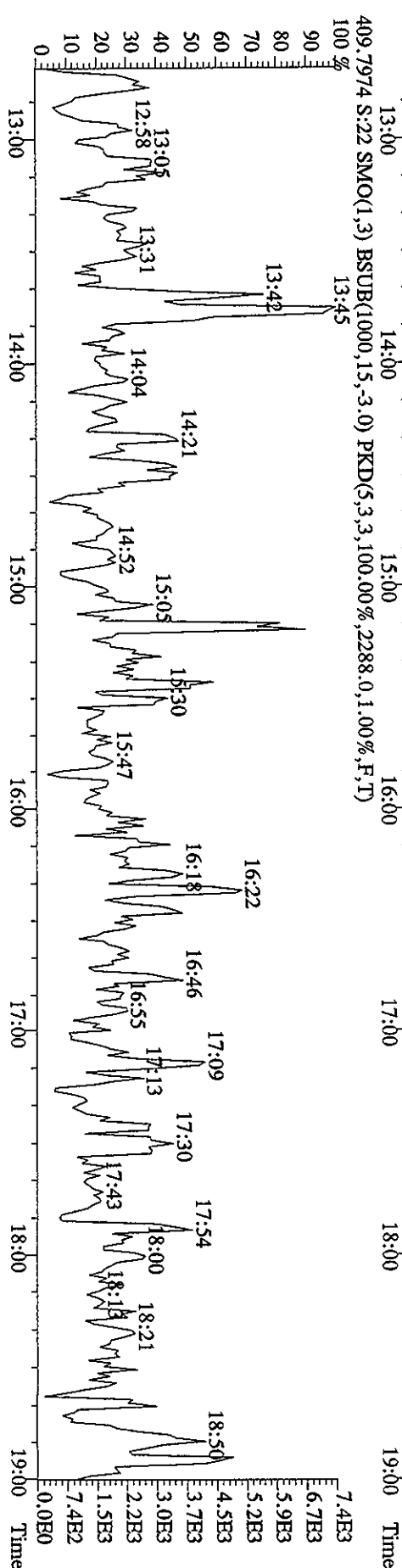
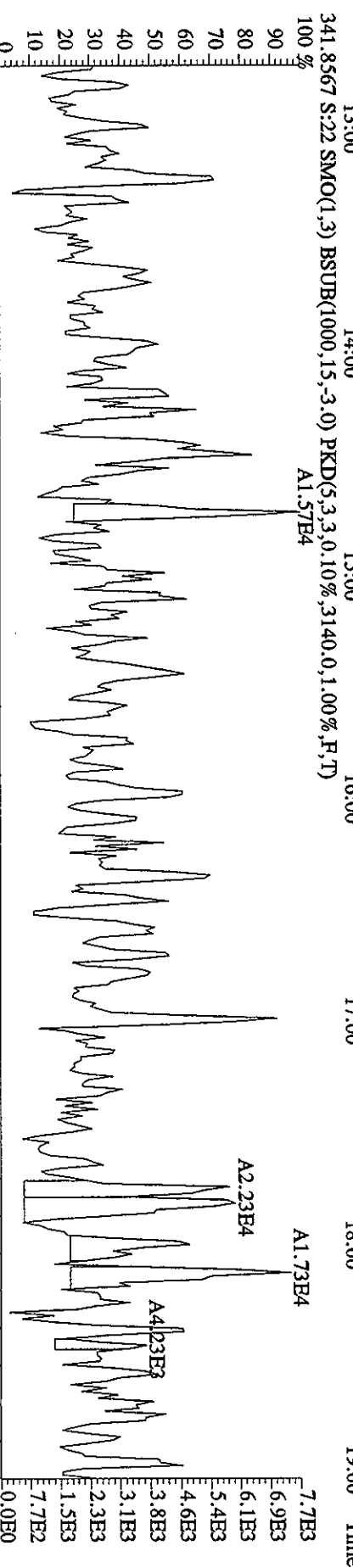
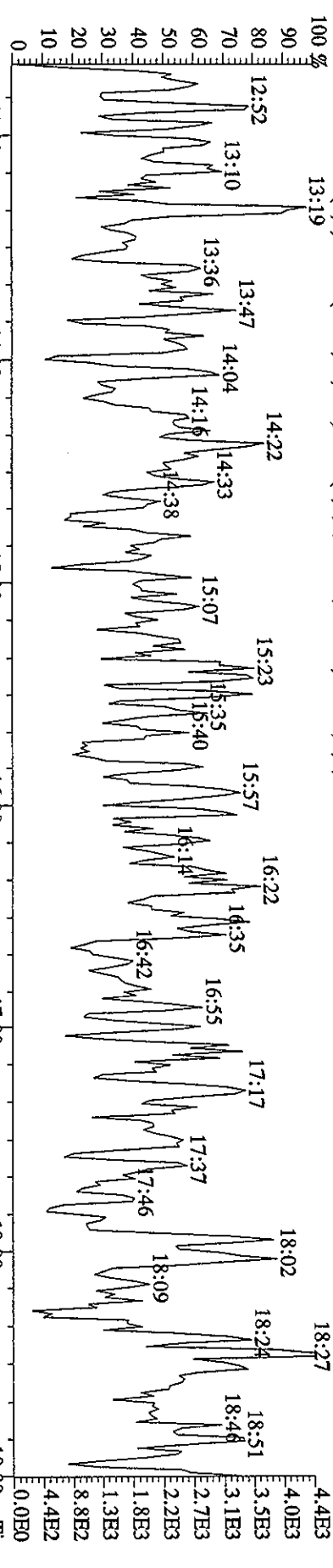
351,9000 S:22 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4292,0,1,00%,F,T)  
 100 %



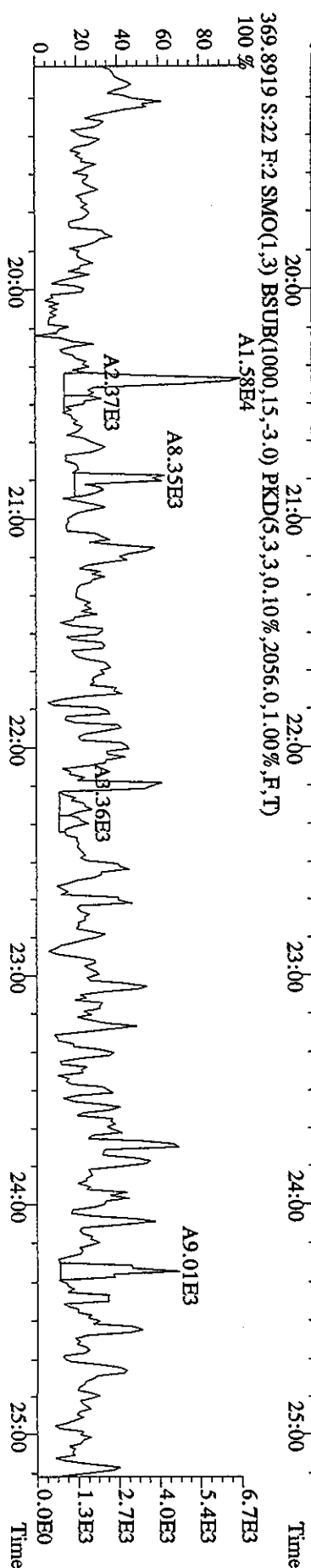
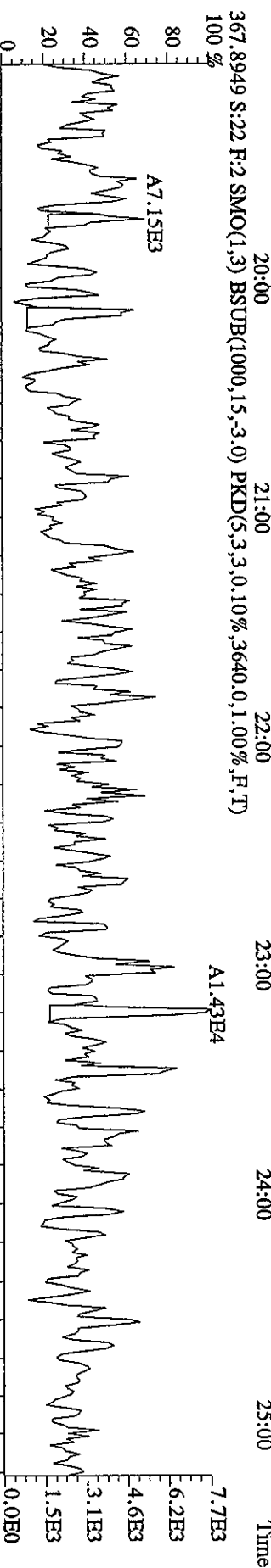
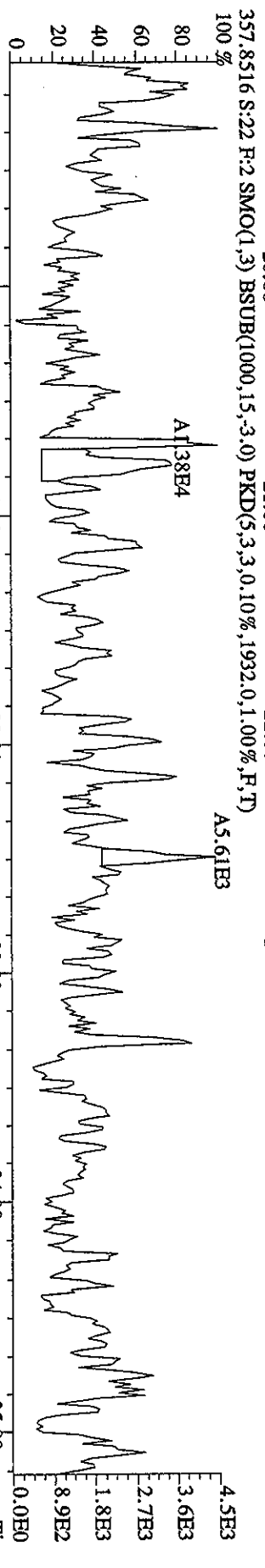
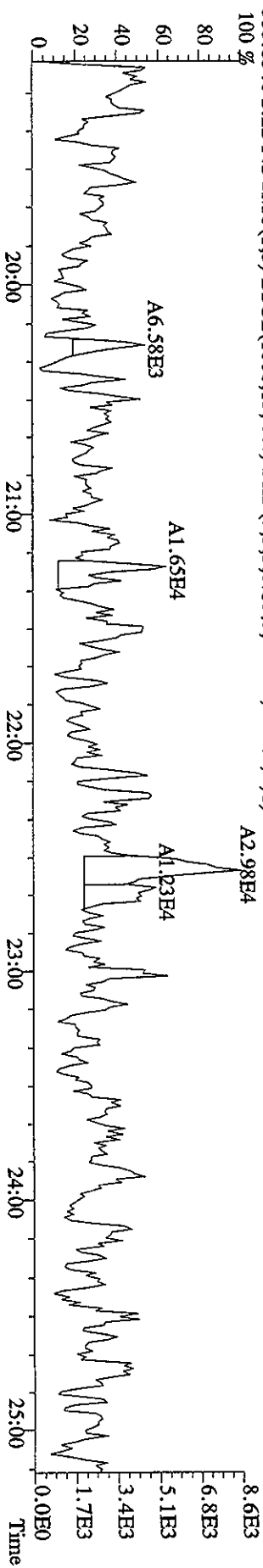
353,8970 S:22 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3660,0,1,00%,F,T)  
 100 %



File: 25MY06A9D5 #1-439 Acq: 26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#22 Text: SB0525C : Solvent Blank C-14 Exp: DIOXIN  
 339, 8597 S: 22 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,2684.0,1,00%,F,T)

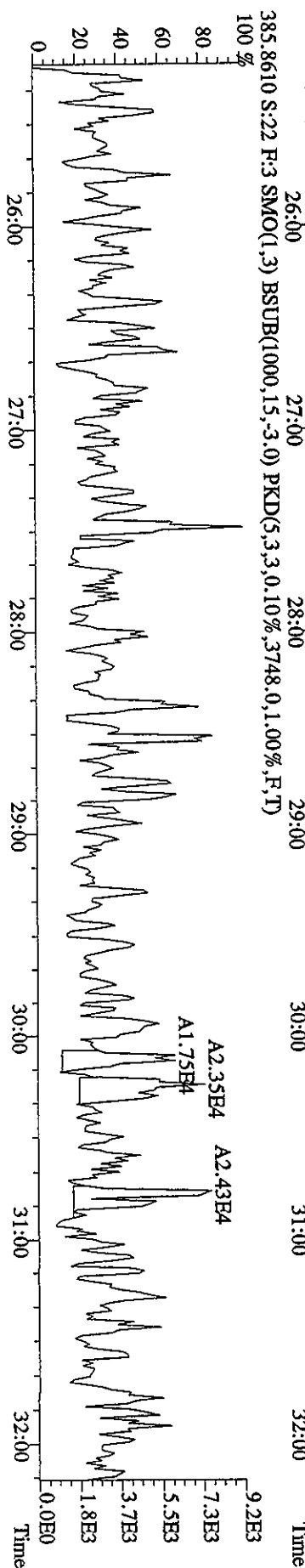
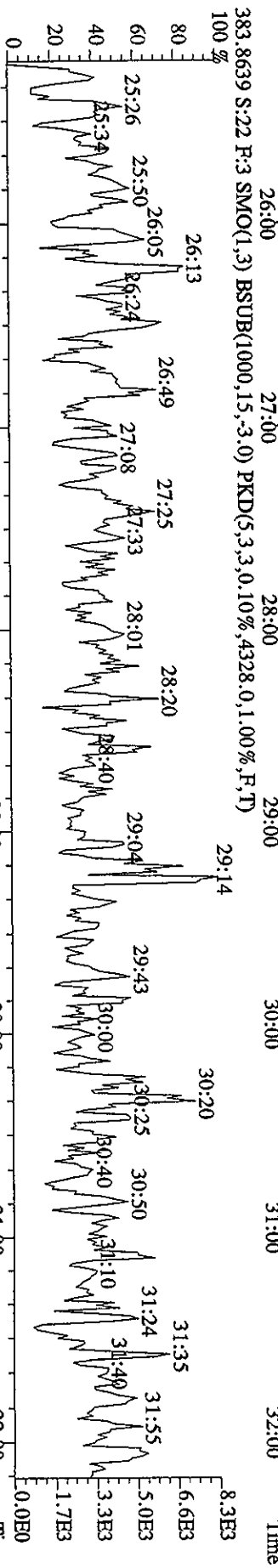
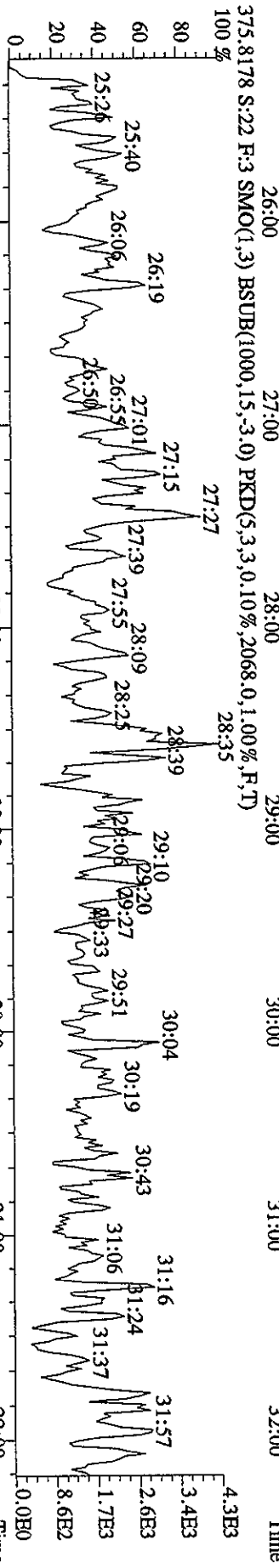
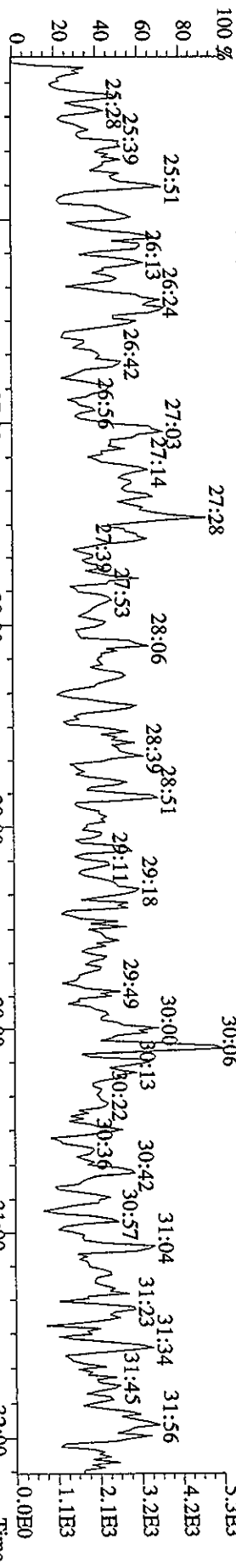


File:25MY06A9D5 #1-491 Acq:26-MAY-2006 11:50:45 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN  
 355.8546 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3.108,0,1.00%,F,T)

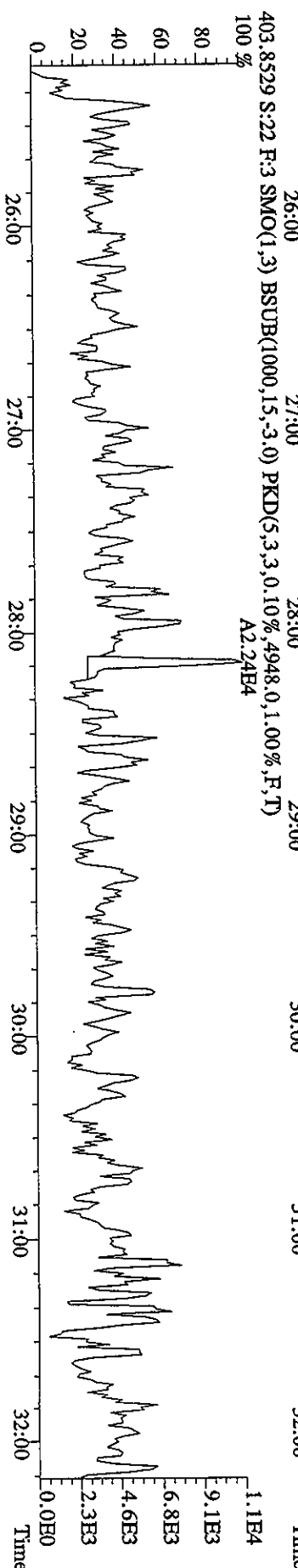
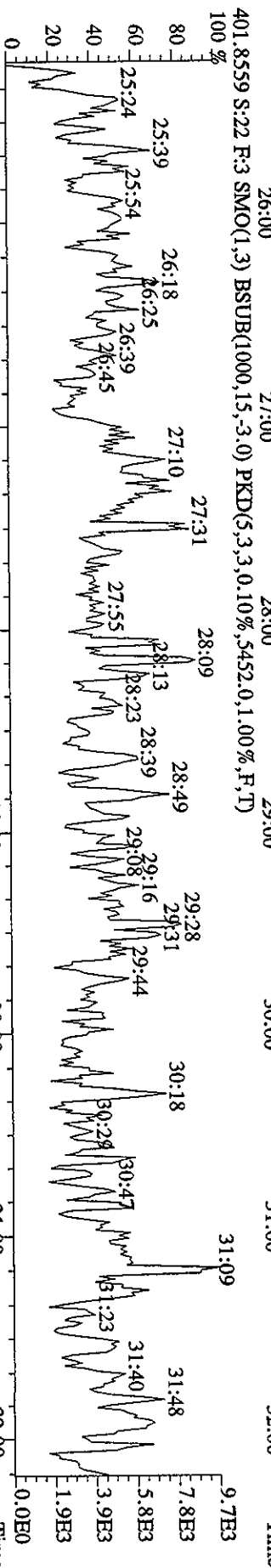
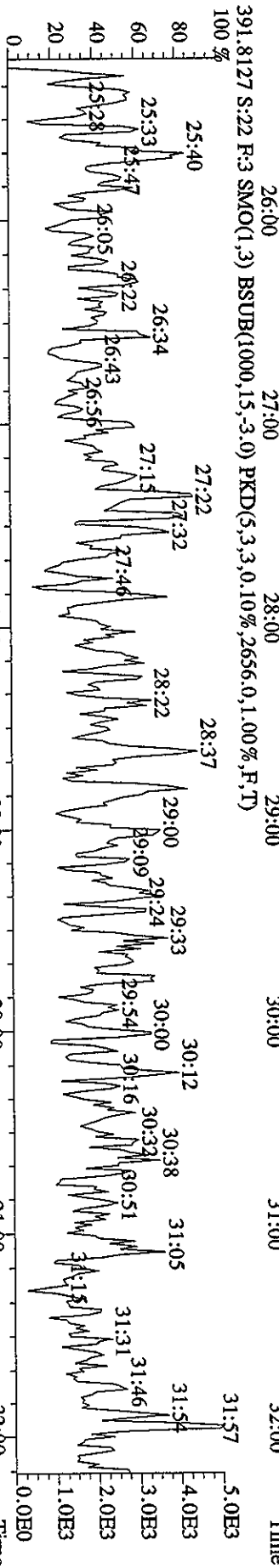
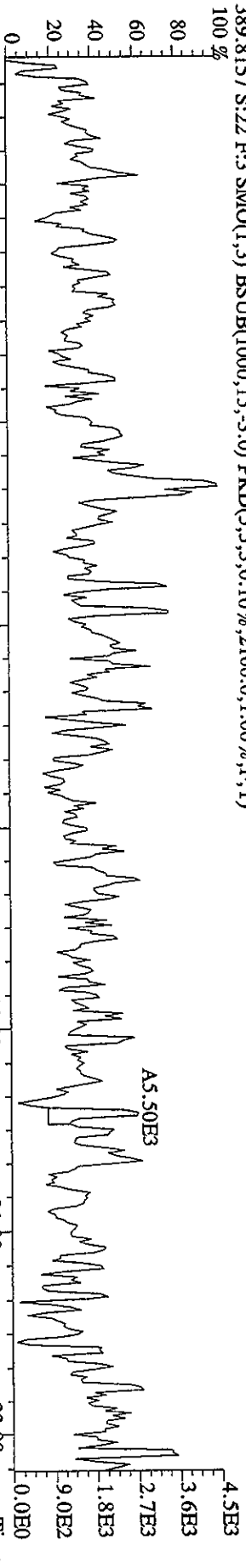


File: 23MY06A9D5 #1-528 Acq: 26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE

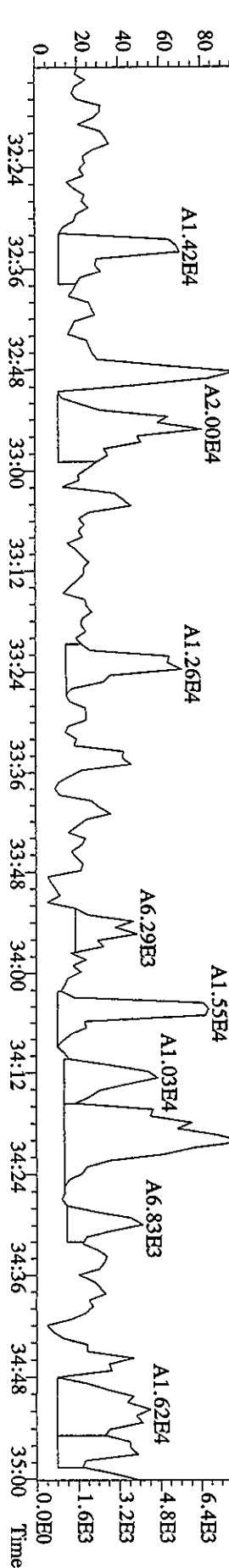
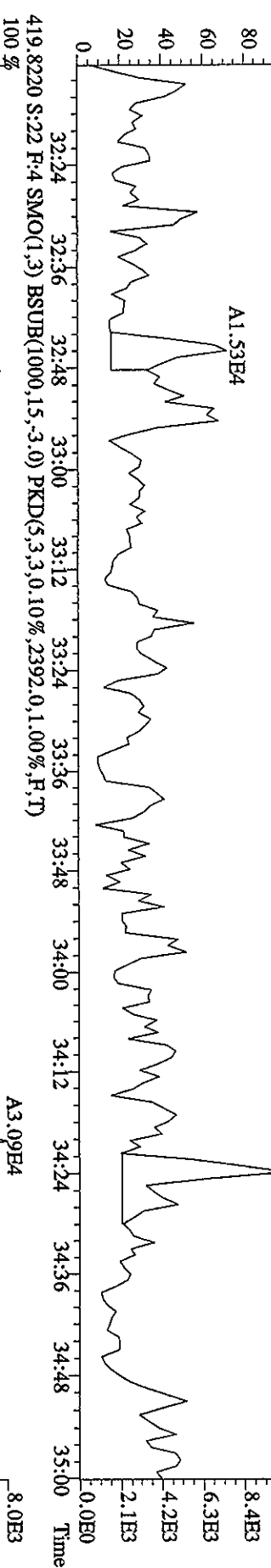
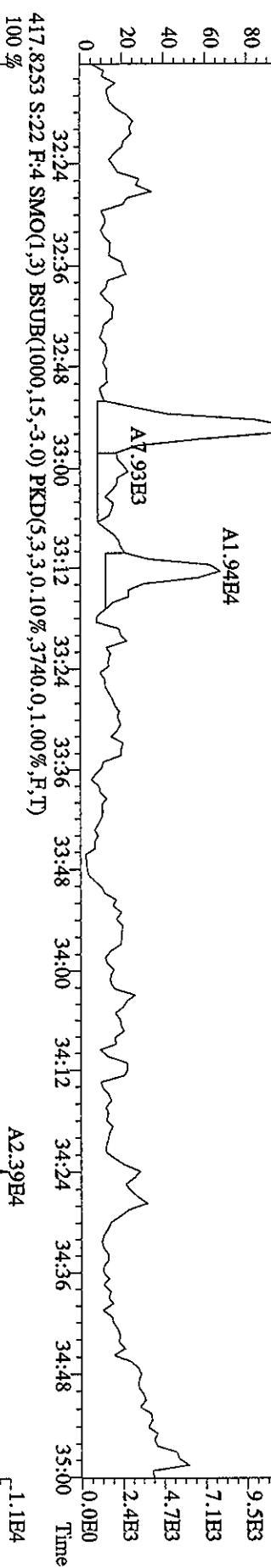
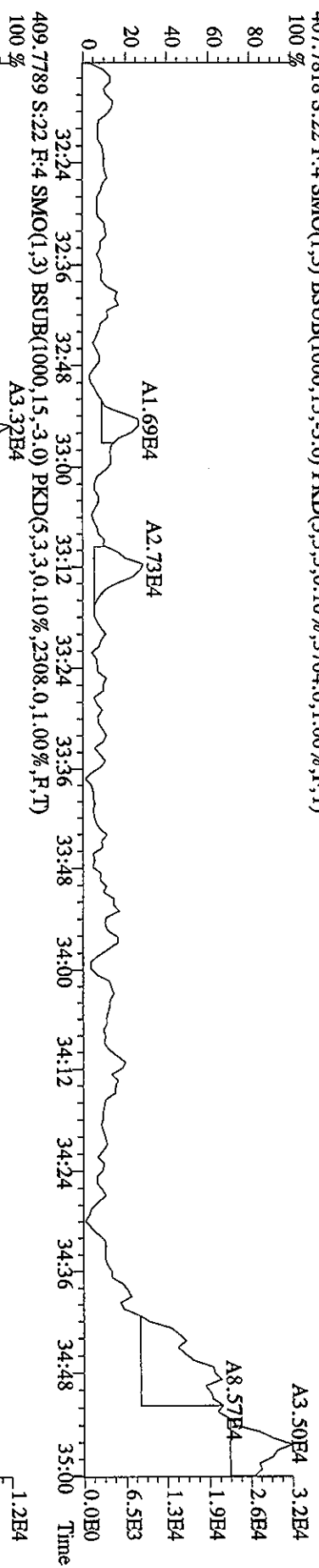
Sample# 22 Text: SB0525C :Solvent Blank C-14 Exp: DIOXIN



File: 25MAY06A9D5 #1-528 Acq: 26-MAY-2006 11:50:45 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#22 Text: SB0525C :Solvent Blank C-14 Exp: DIOXIN  
 389.8157 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2100.0,1.00%,F,T)



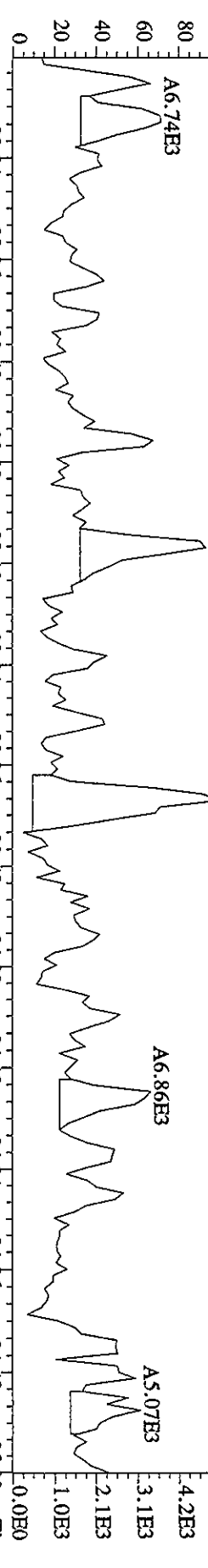
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN  
 407.7818 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3704,0,1.00%,F,T)



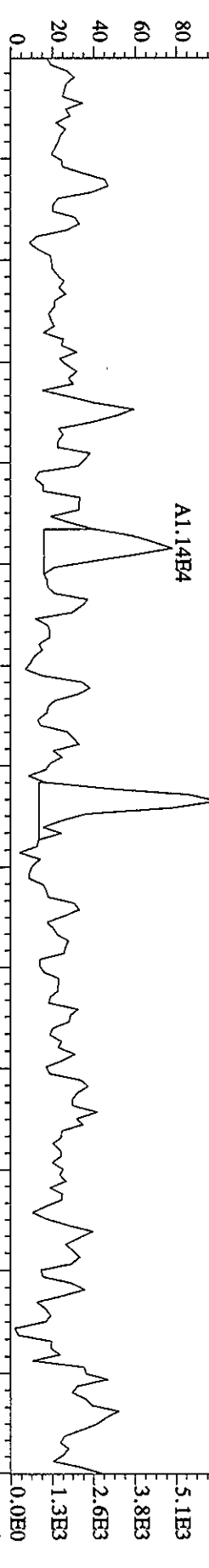
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 11:50:45 GC EI + Voltage SIR Autospec-UltimaE

Sample#22 Text:SB0525C :Solvent Blank C-14 Exp.:DIOXIN

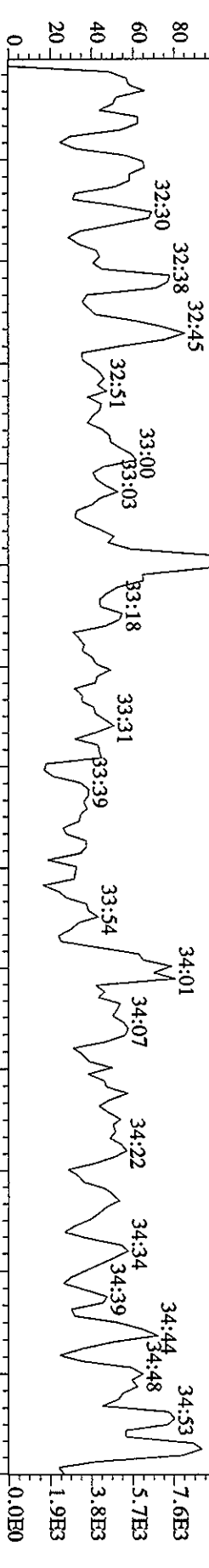
423.7766 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956,0.1,0.0%,F,T)



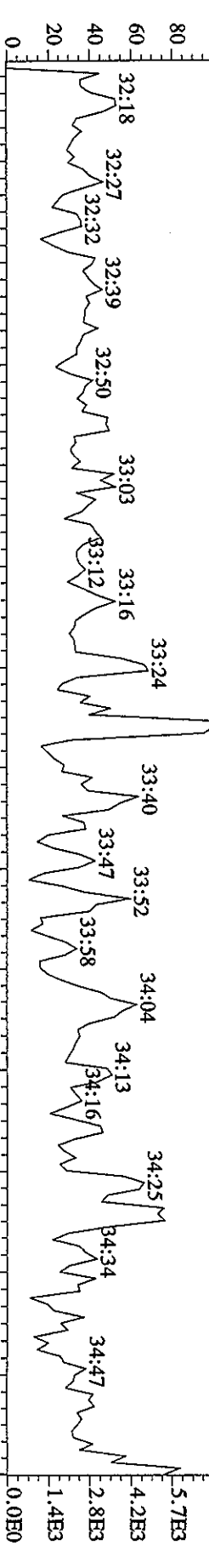
425.7737 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1988,0.1,0.0%,F,T)



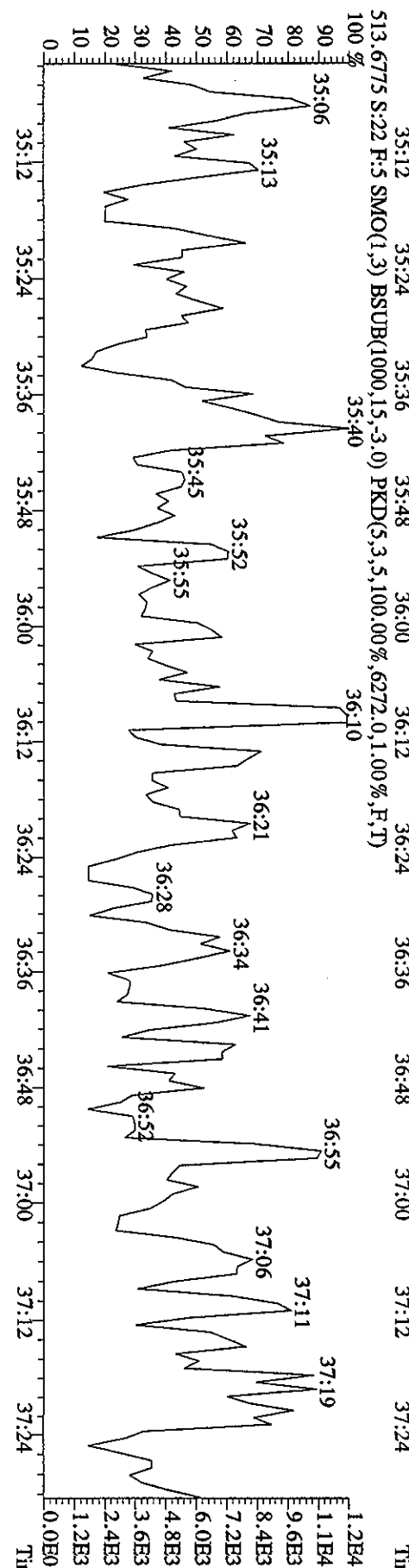
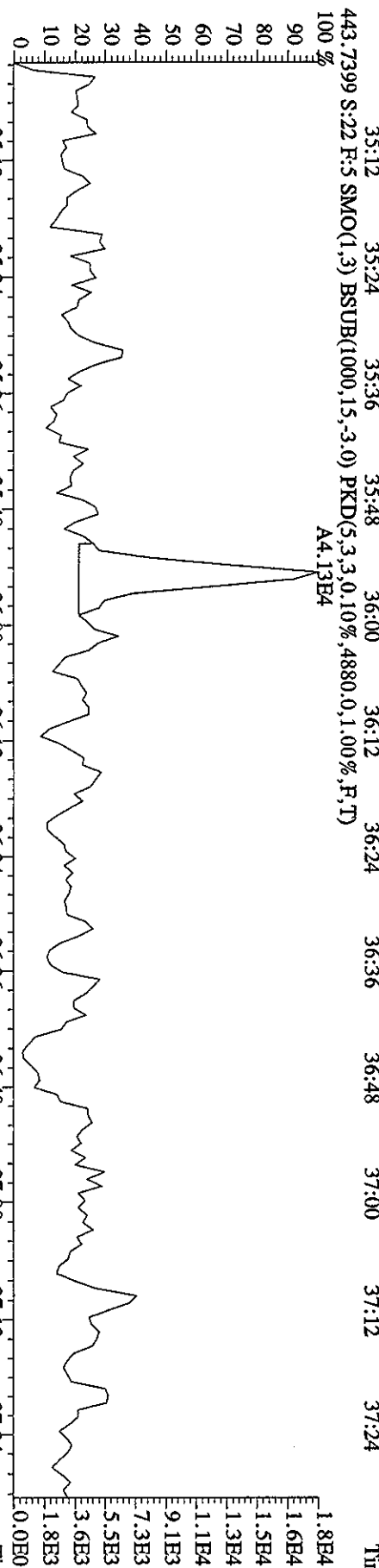
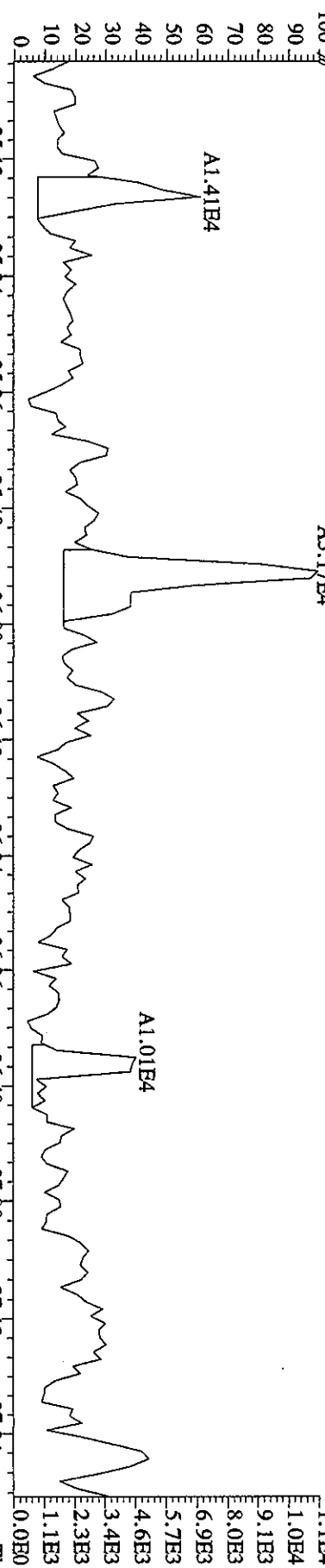
435.8169 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5524,0.1,0.0%,F,T)



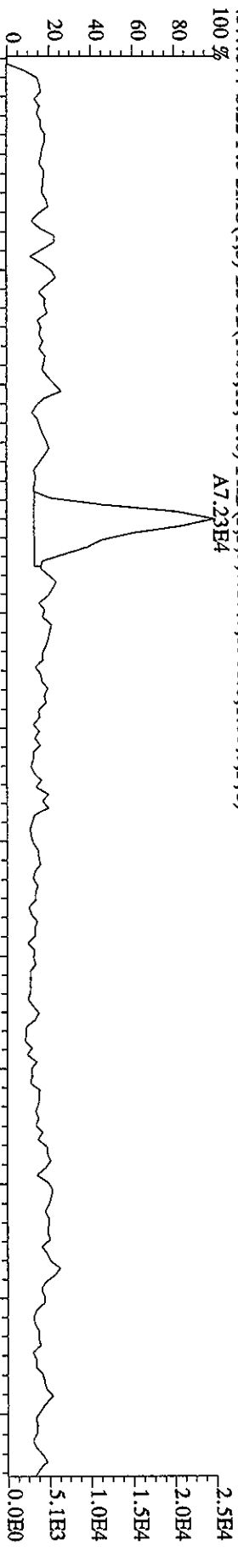
437.8140 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288,0.1,0.0%,F,T)



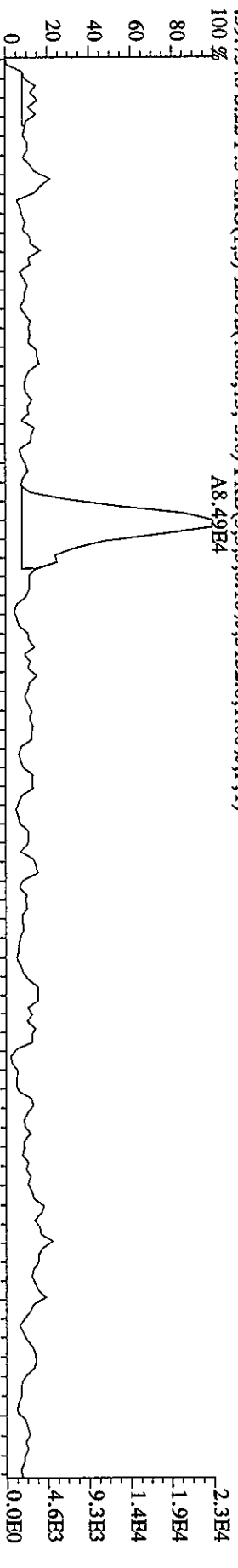
File: 2SMY06A9D5 #1-201 Acq: 26-MAY-2006 11:50:45 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#22 Text: SB0525C : Solvent Blank C-14 Exp: DIOXIN  
 441.7428 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2652.0,1.00%,F,T)



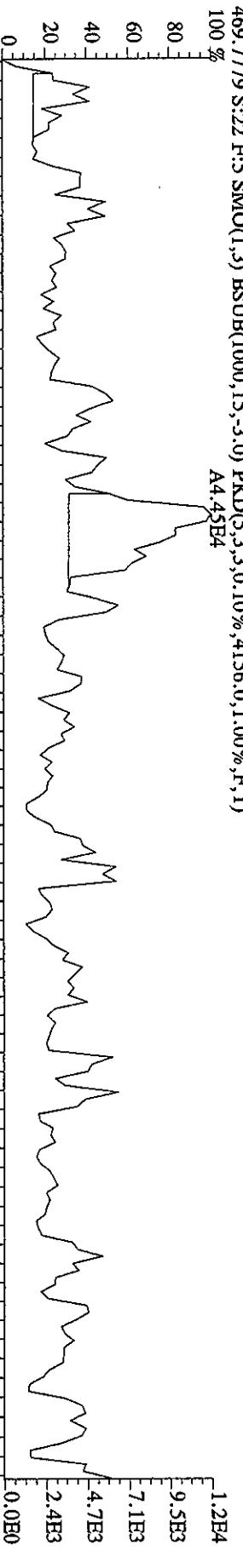
File: 23MY06A9D5 #1-201 Acq: 26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#22 Text: SB0525C :Solvent Blank C-14 Exp: DIOXIN  
 457.7377 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5368,0.1,0.00%,F,T)  
 A7.23E4



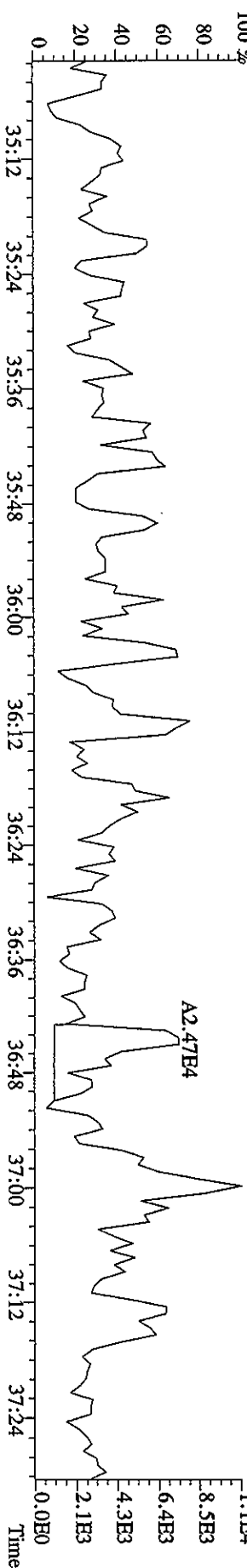
459.7348 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3152,0.1,0.00%,F,T)  
 A8.49E4



469.7779 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4156,0.1,0.00%,F,T)  
 A4.45E4



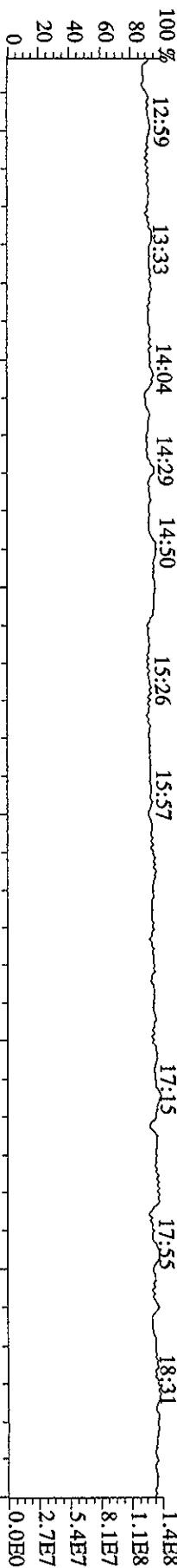
471.7750 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4192,0.1,0.00%,F,T)  
 A2.47E4



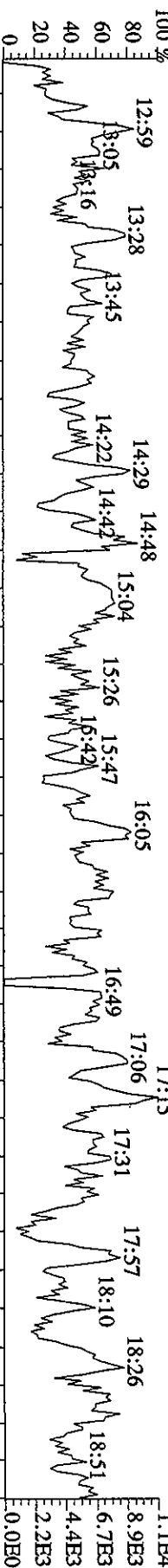
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE

Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN

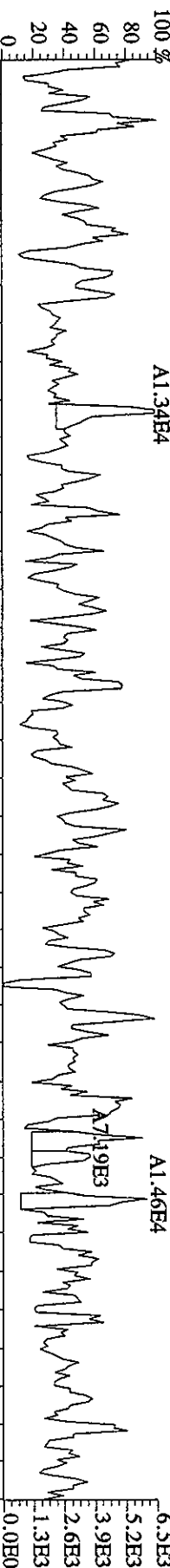
292.9825 S:22 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



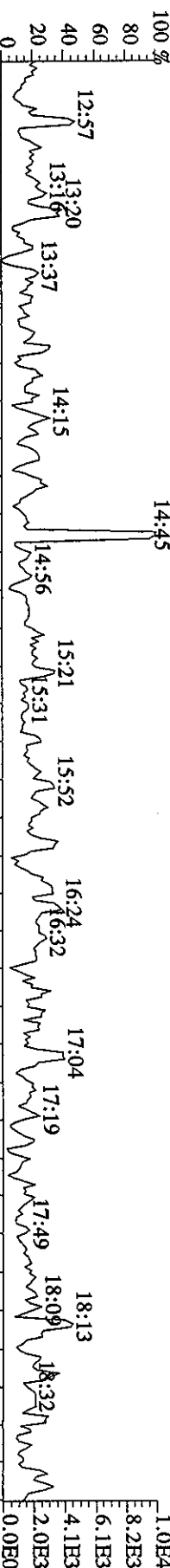
303.9016 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7208.0,1.00%,F,T)



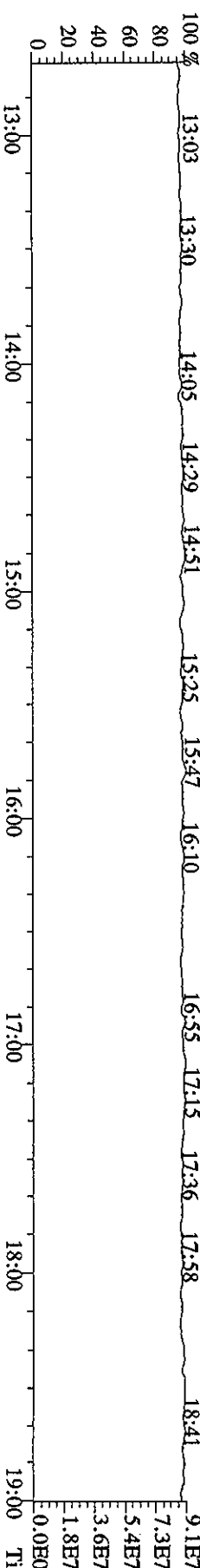
305.8987 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3456.0,1.00%,F,T)



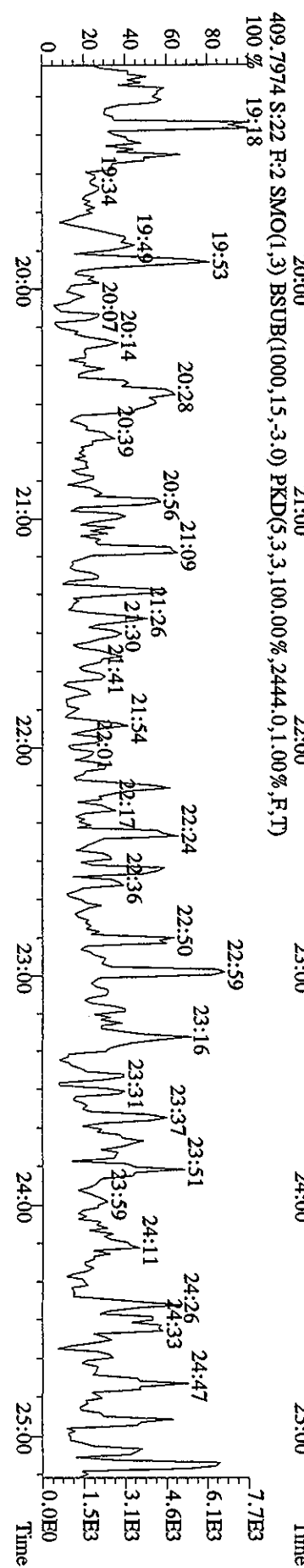
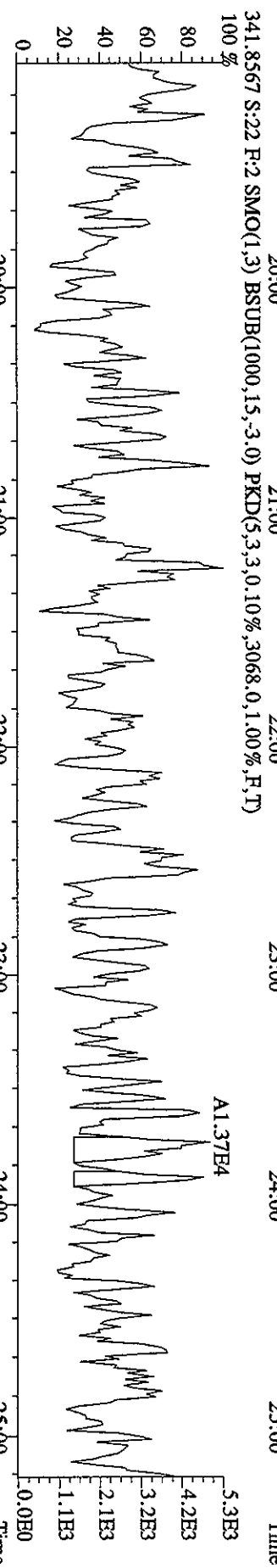
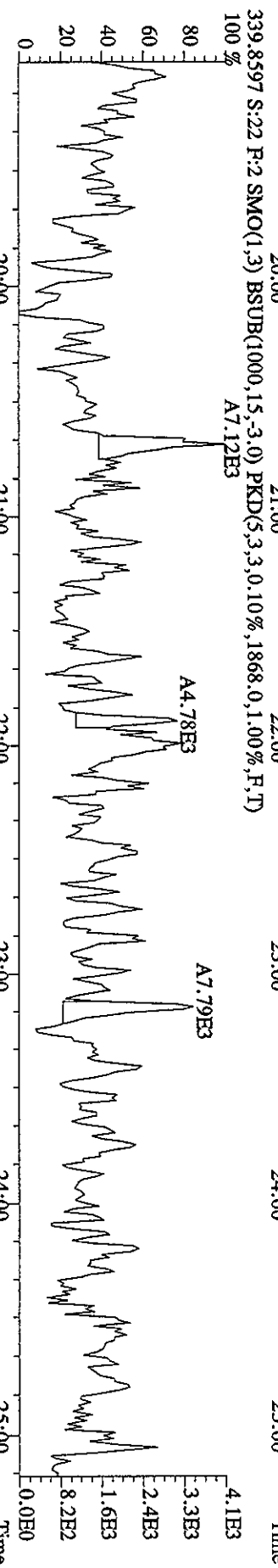
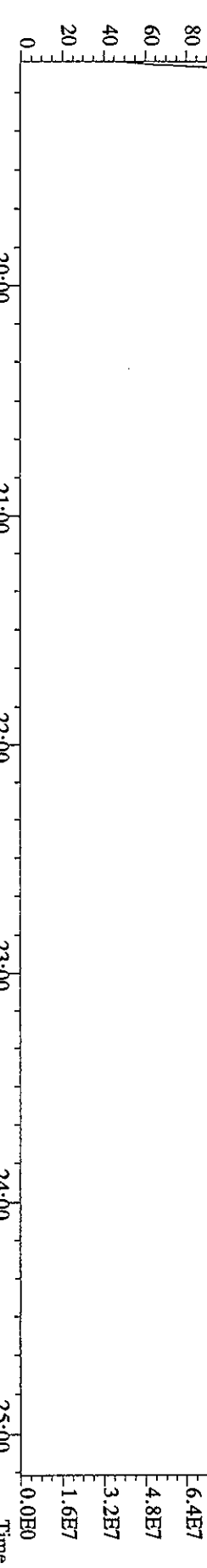
375.8364 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2292.0,1.00%,F,T)



330.9792 S:22 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



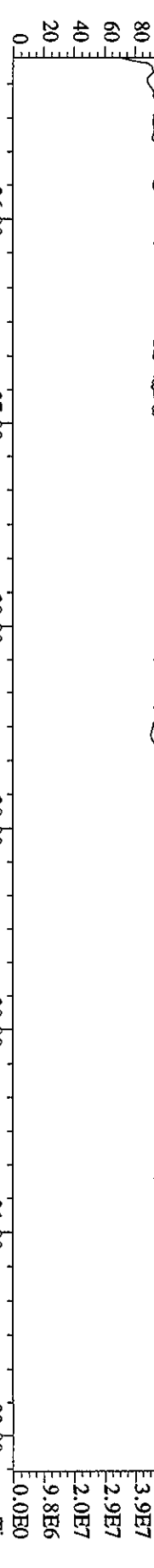
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN  
 342.9792 S:22 F:2 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)  
 100 % 19:12 19:31 19:51 20:21 20:58 21:32 22:01 22:22 22:58 23:18 23:38 24:11 24:45



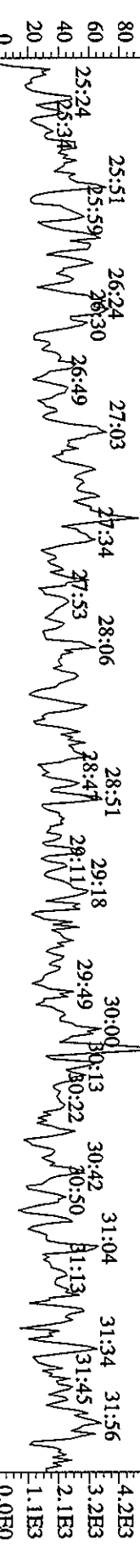
File:25MY06A9D5 #1-528 Acq:26-MAY-2006 11:50:45 GC EI + Voltage SIR Autospec-Ultimate

Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN

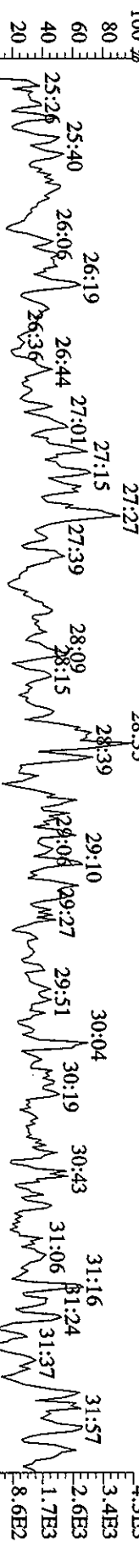
392.9760 S:22 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



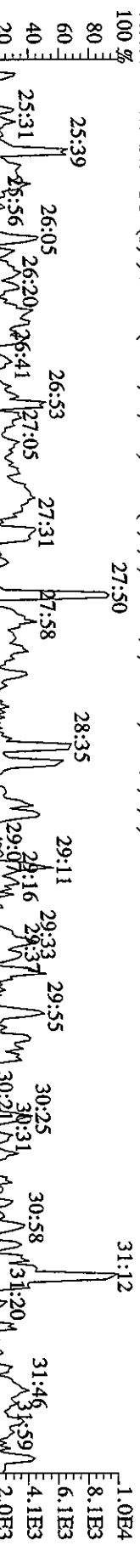
373.8208 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2900.0,1.00%,F,T)



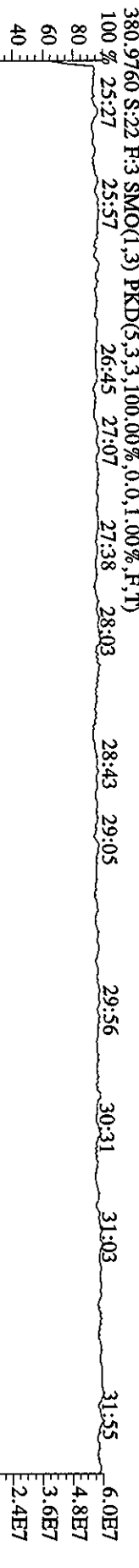
375.8178 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2068.0,1.00%,F,T)



445.7555 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3404.0,1.00%,F,T)



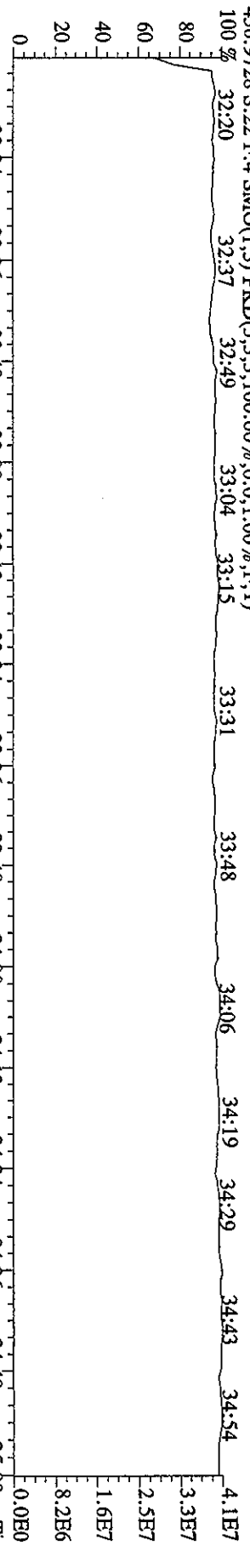
380.9760 S:22 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



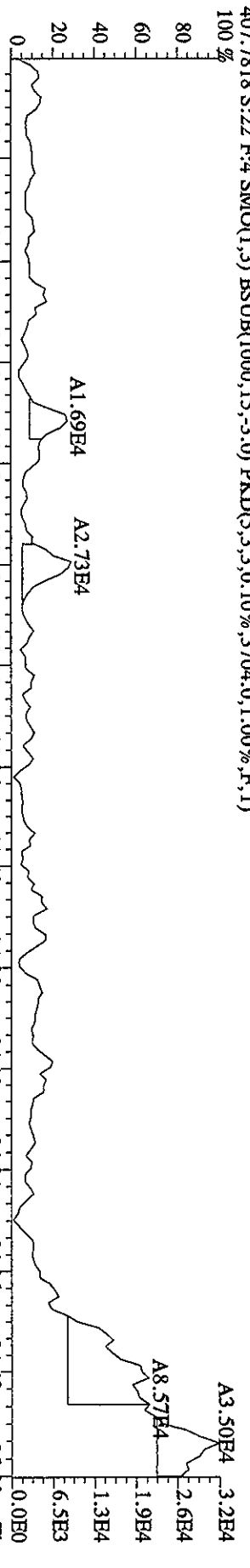
File: 25MY06A9D5 #1-224 Acq: 26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE

Sample#22 Text: SB0525C : Solvent Blank C-14 Exp: DIOXIN

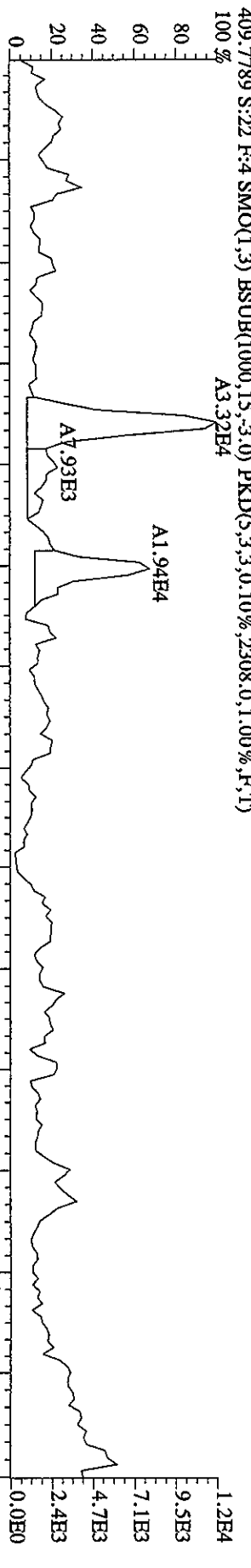
430.9728 S:22 F:4 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



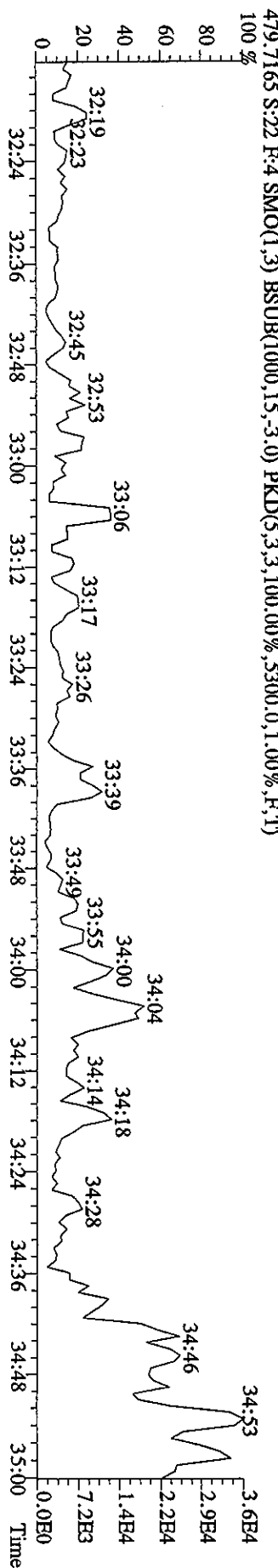
407.7818 S:22 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3704,0,1.00%,F,T)



409.7789 S:22 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2308,0,1.00%,F,T)



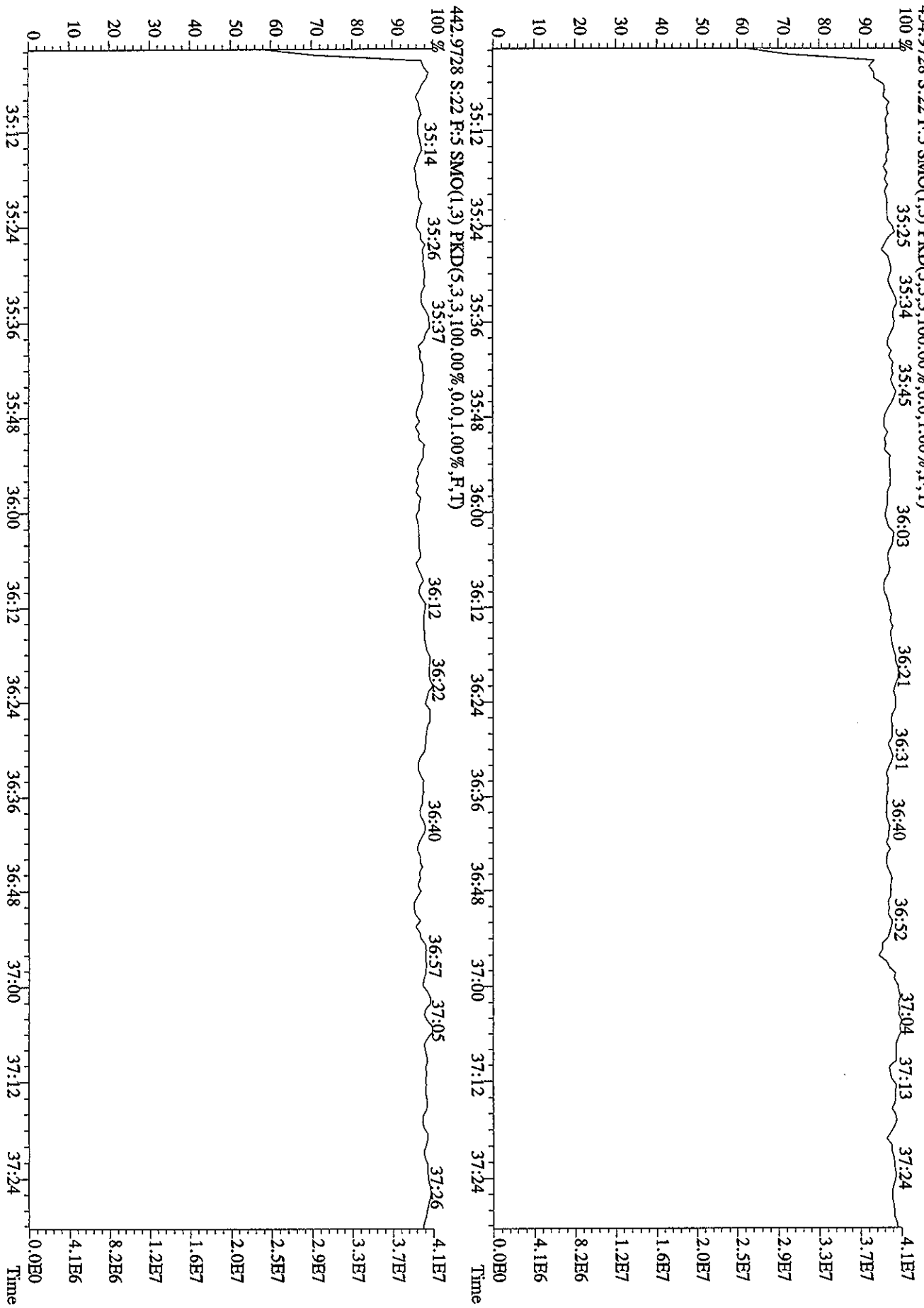
479.7165 S:22 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,5300,0,1.00%,F,T)



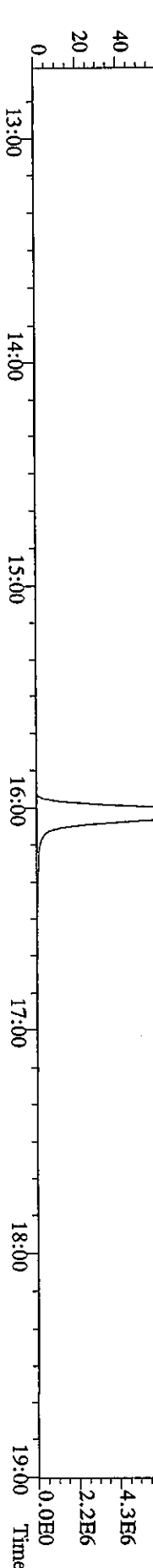
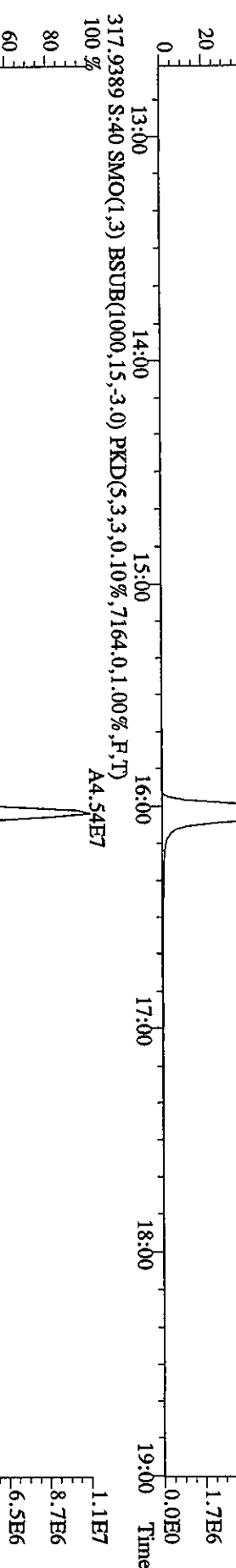
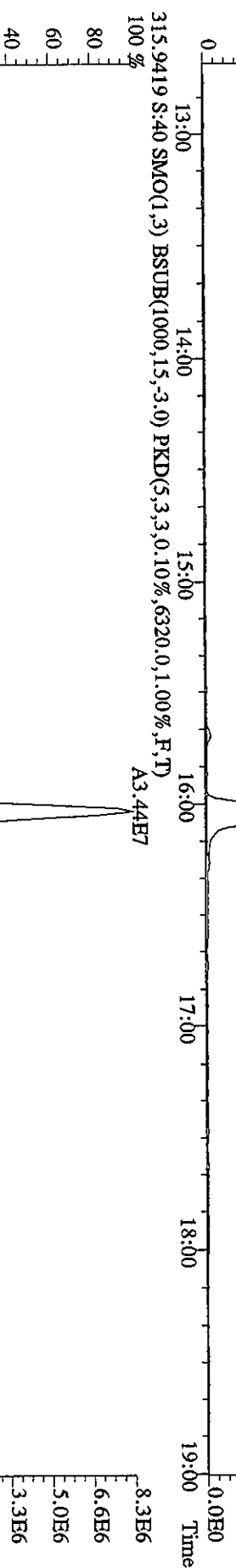
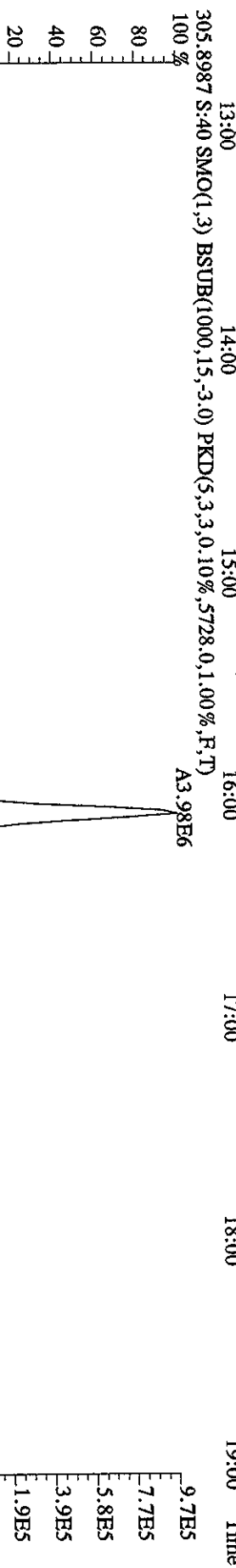
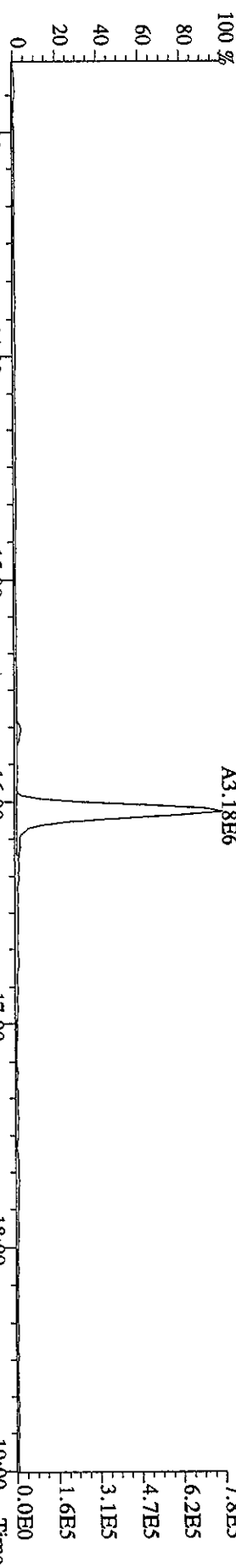
File: 25MY06A9D5 #1-201 Acq: 26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UtimaE

Sample# 22 Text: SB0525C : Solvent Blank C-14 Exp: DIOXIN

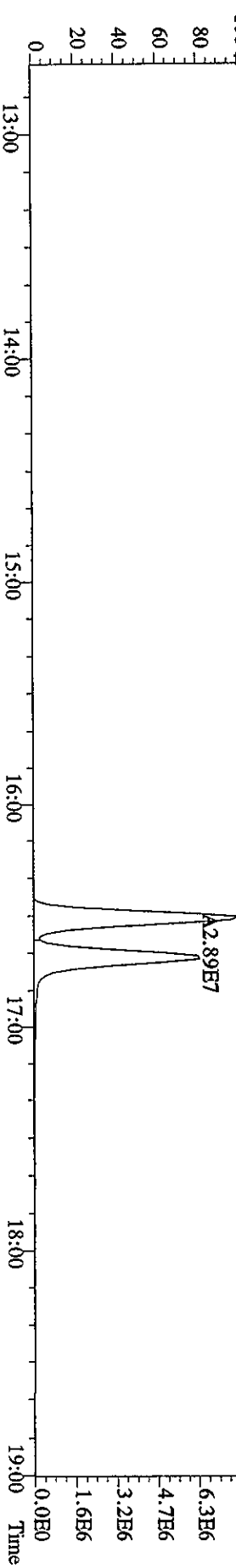
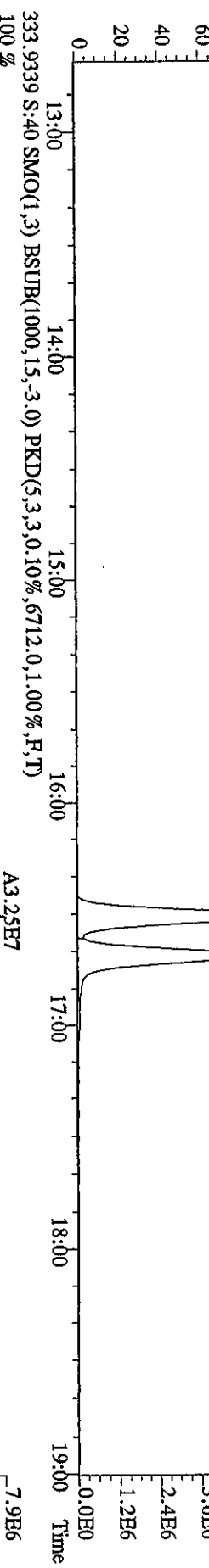
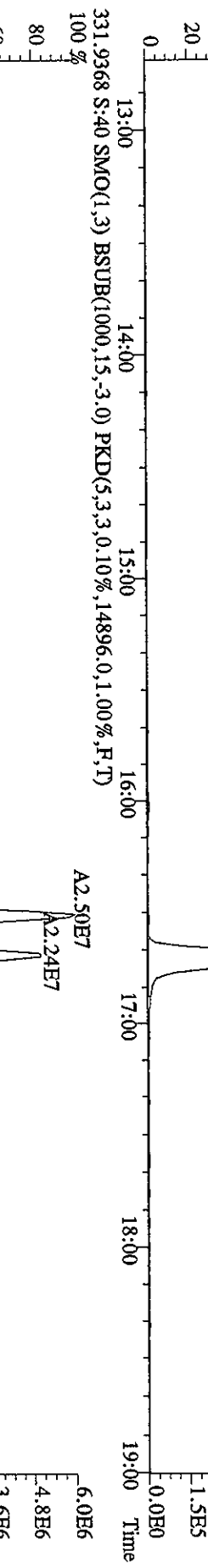
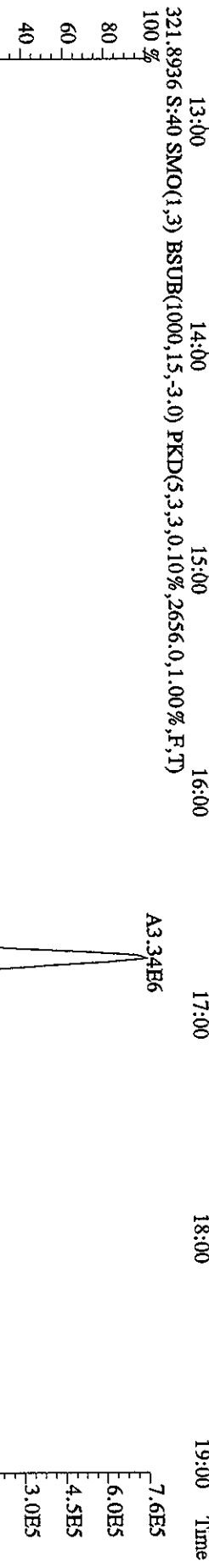
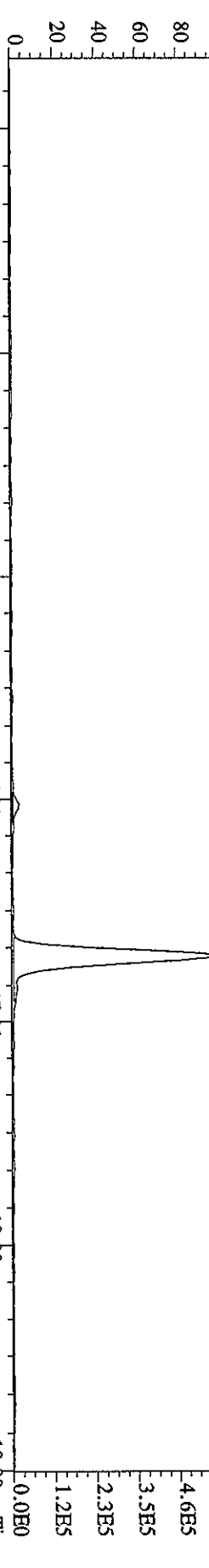
454.9728 S: 22 F: 5 SMO(1,3) PKD(5,3,3,100.00%, 0.0, 1.00%, F, T)



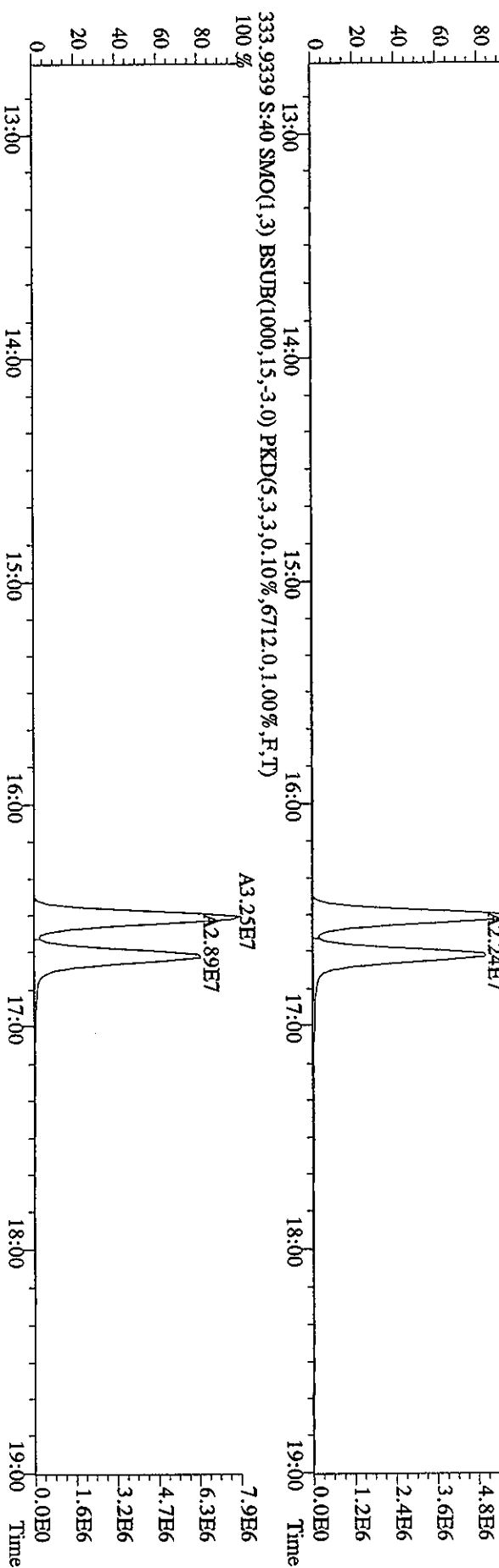
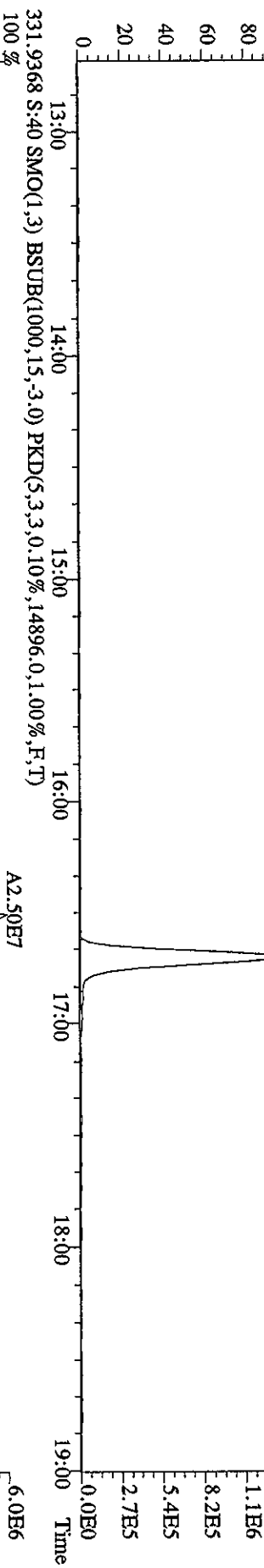
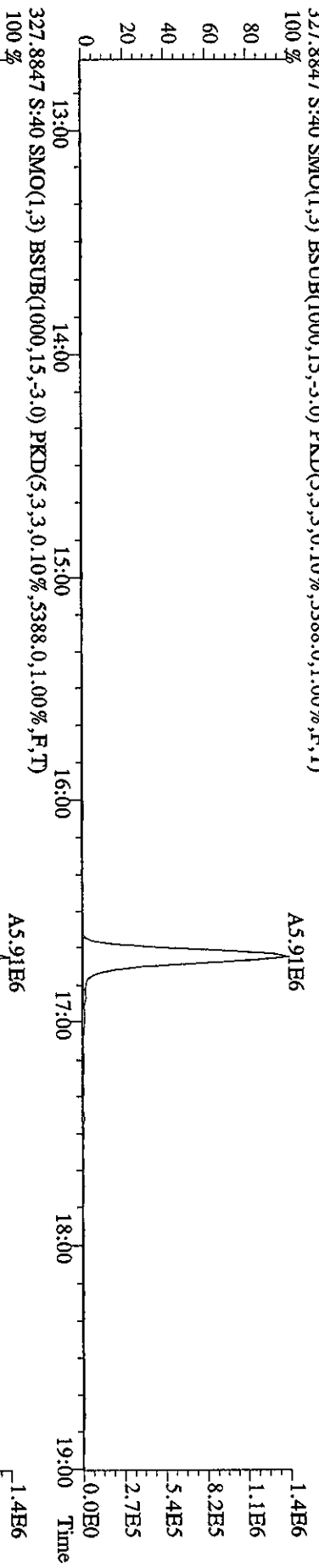
File:25MY06A9D5 #1-439 Acq:27-MAY-2006 00:19:46 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#40 Tex:ST0525D :CS3 2565-41C Exp:DIOXIN  
 303.9016 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9104.0,1.00%,F,T)

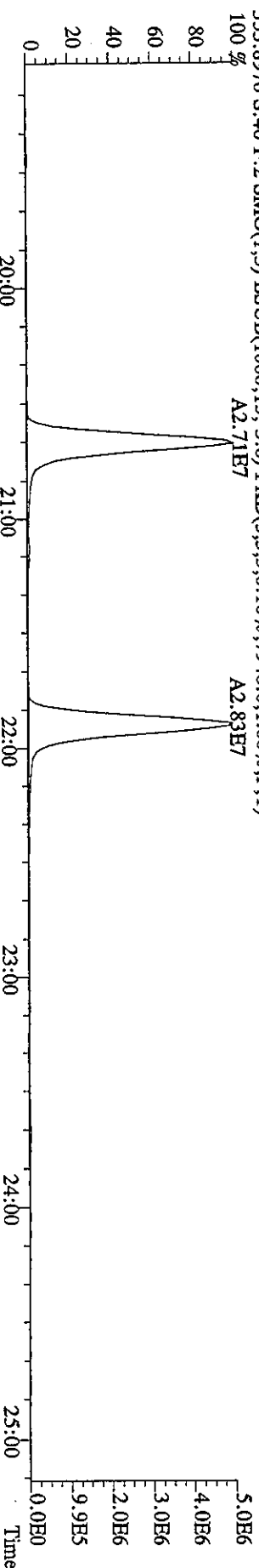
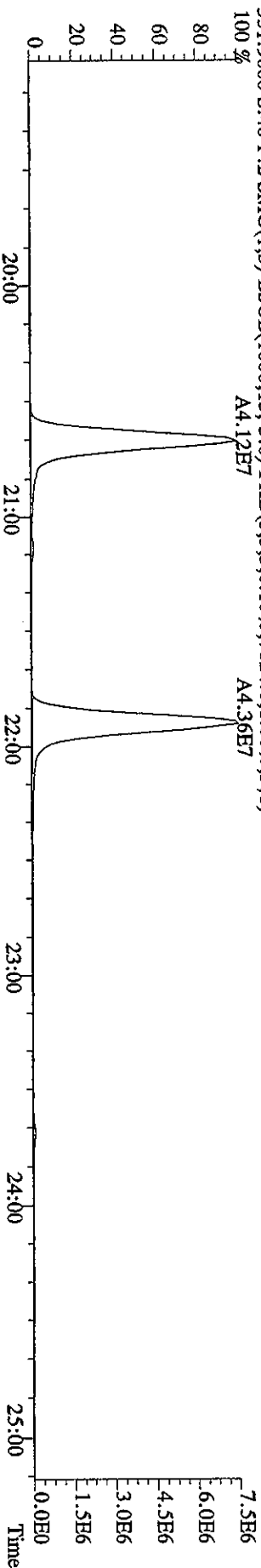
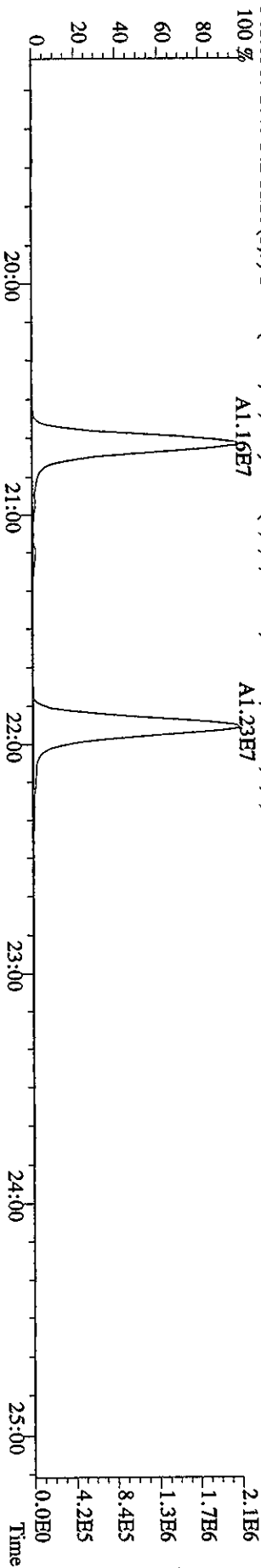
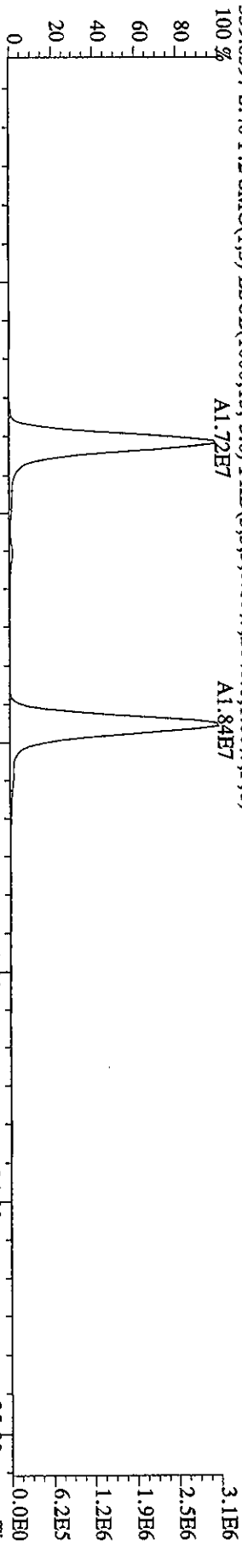


File:25MAY06A9D5 #1-439 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN  
 319.8965 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3572.0,1.00%,F,T)  
 100%

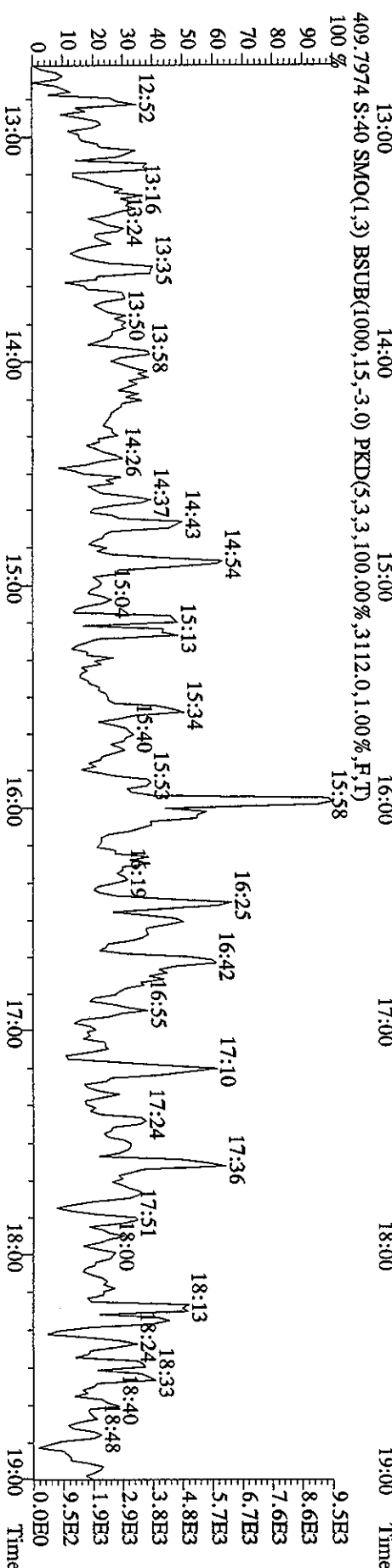
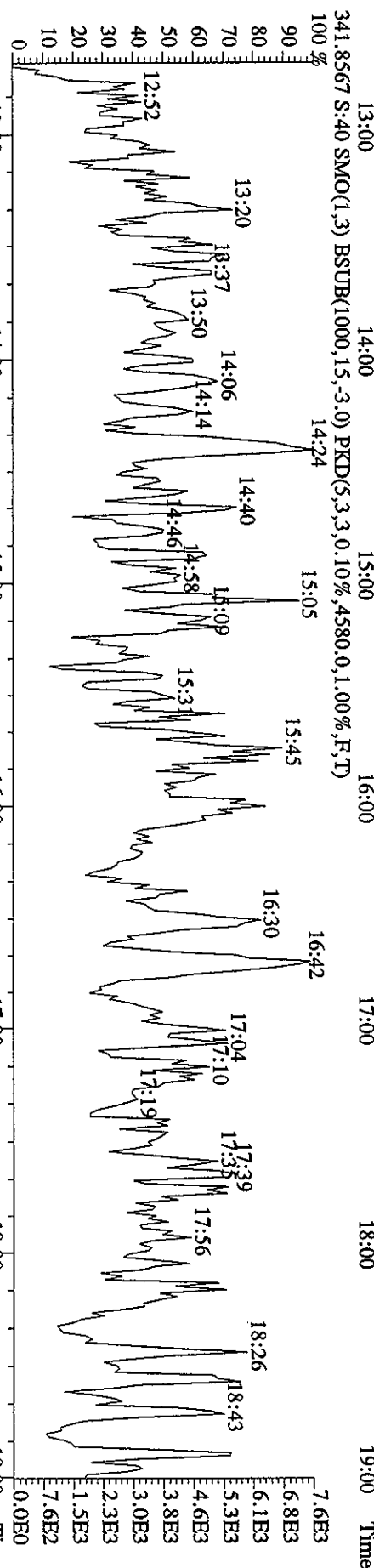
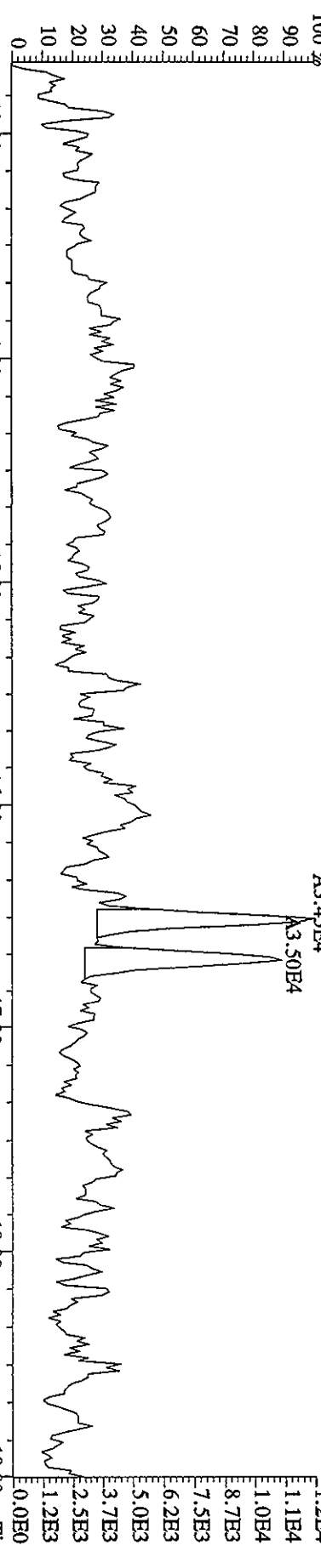


File: 25MYY06A9D5 #1-439 Acq: 27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#40 Text: ST0525D :CS3 2565-41C Exp: DIOXIN  
 327.8847 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5388,0.1,0.0%,F,T)  
 100%

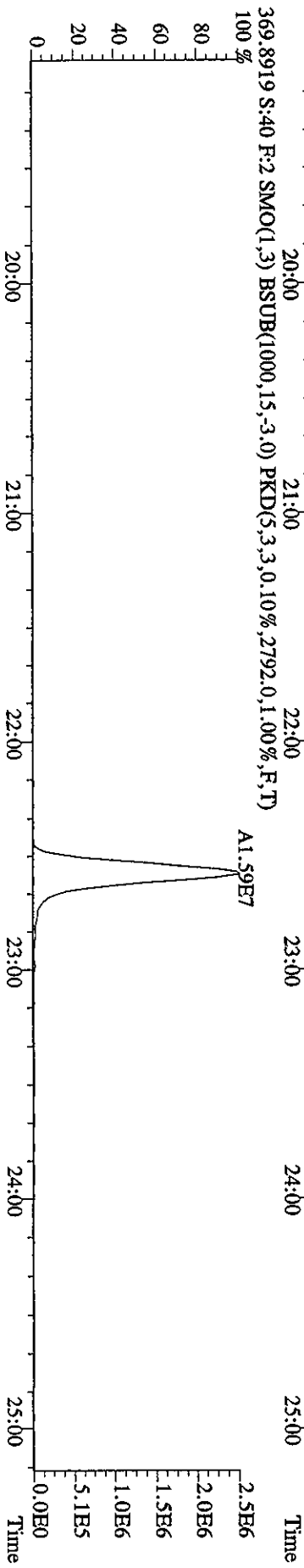
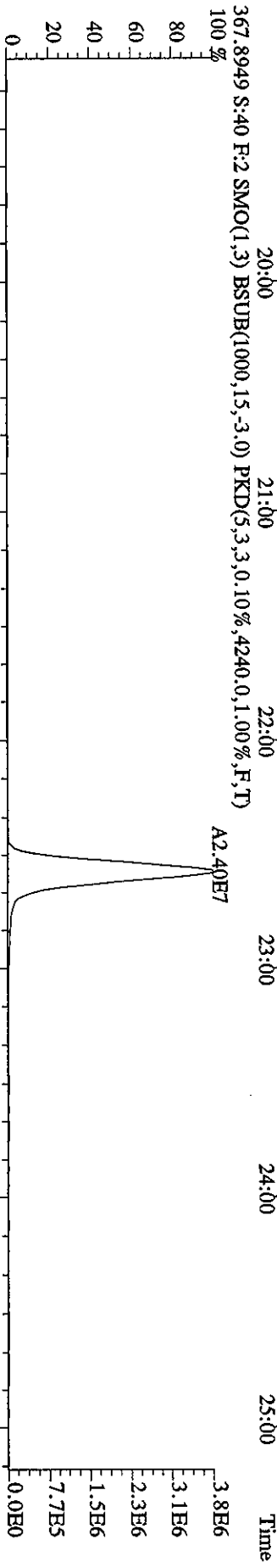
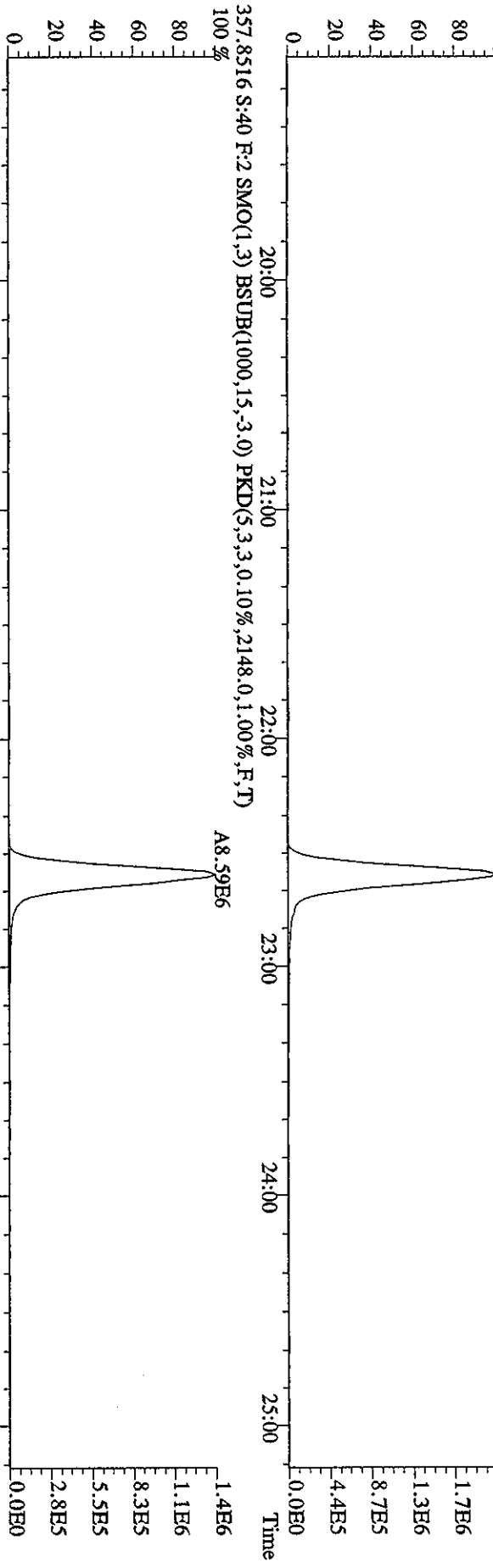




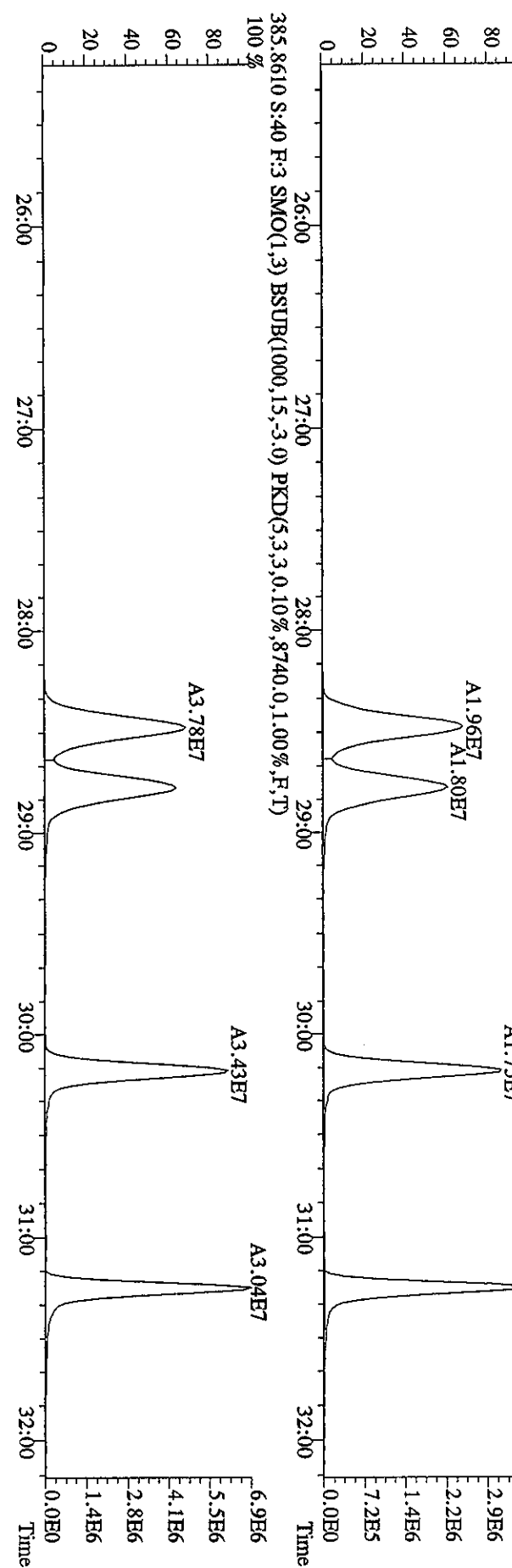
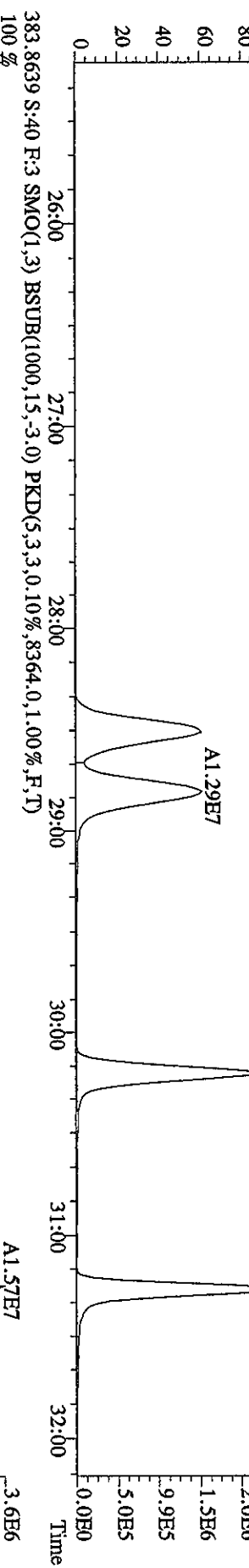
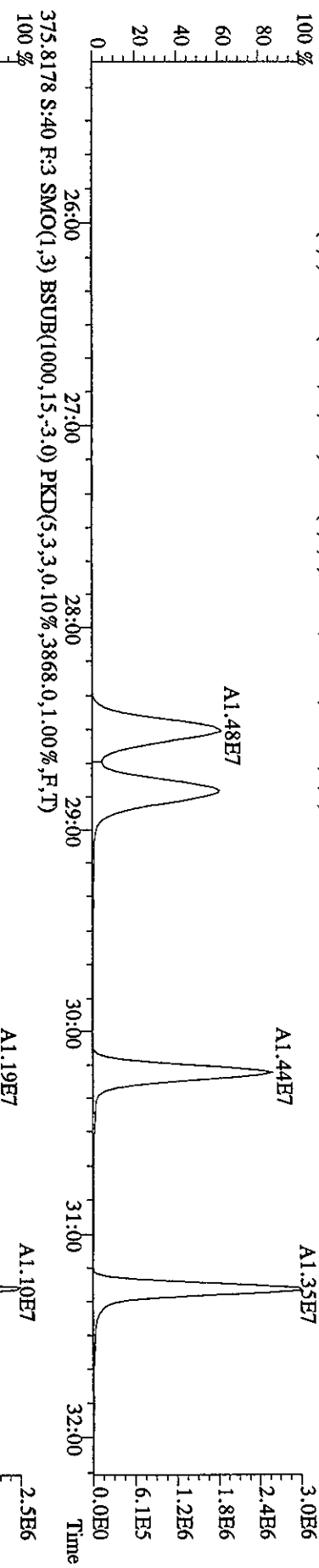
File:25MAY06A9D5 #1-439 Acq:27-MAY-2006 00:19:46 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN  
 339.8597 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4020,0.1,00%,F,T)



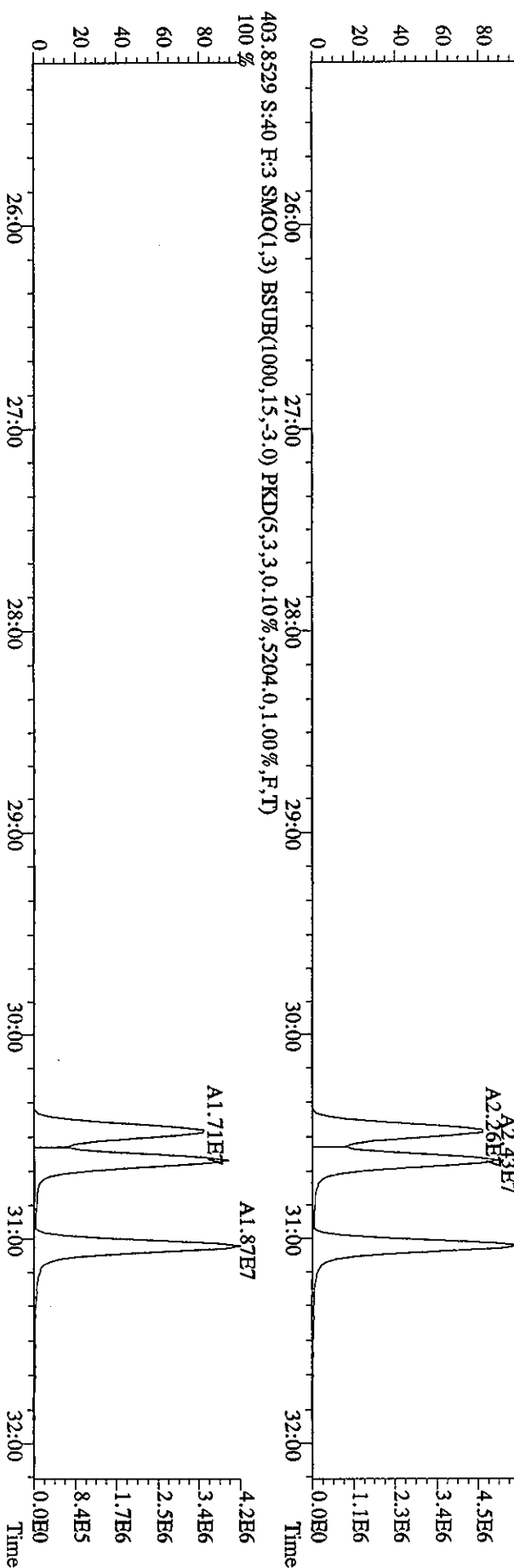
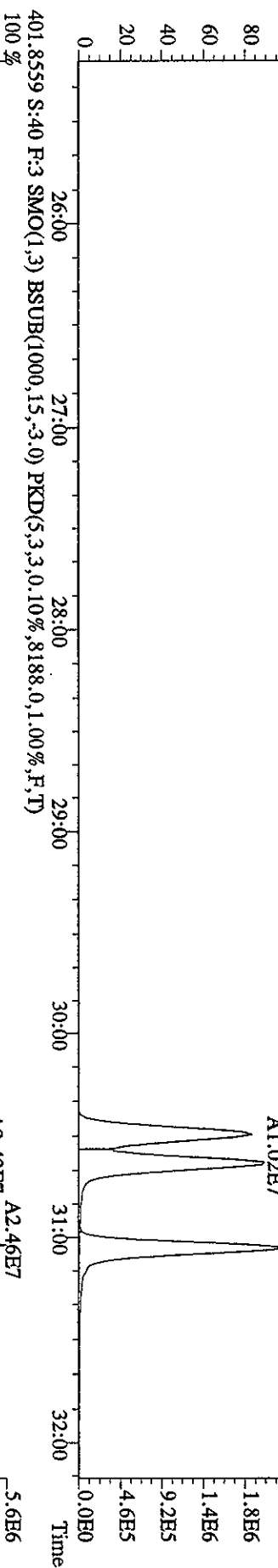
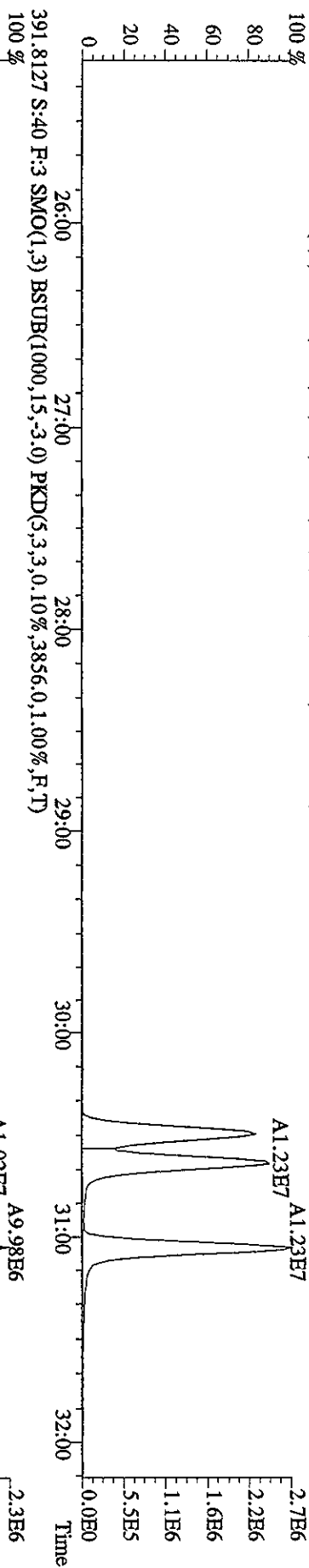
File:25MAY06A9D5 #1-491 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN  
 357.8516 S:40 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2148.0,1.00%,F,T)  
 100%



File:25MAY06A9D5 #1-528 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN  
 373.8208 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6560.0,1.00%,F,T)

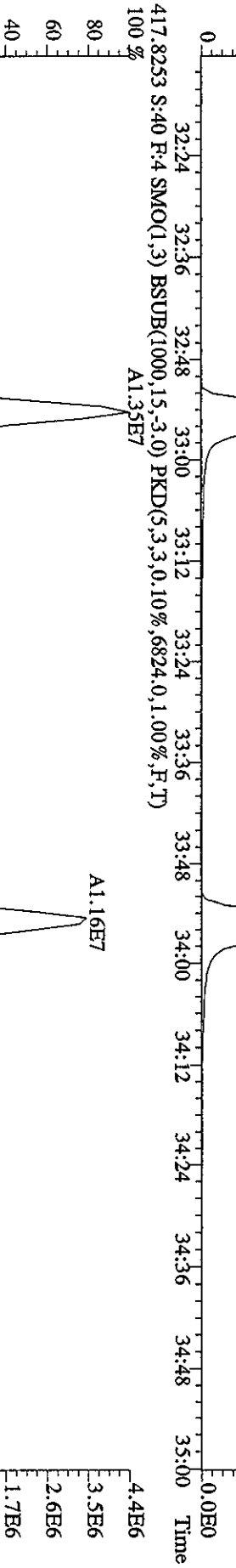
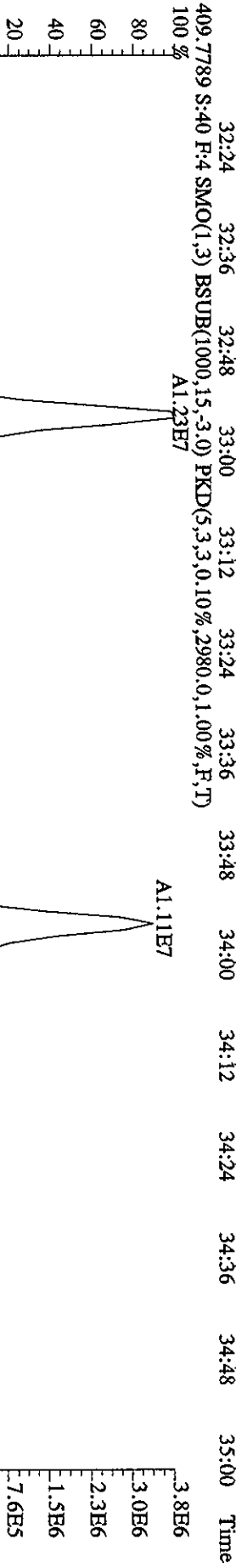
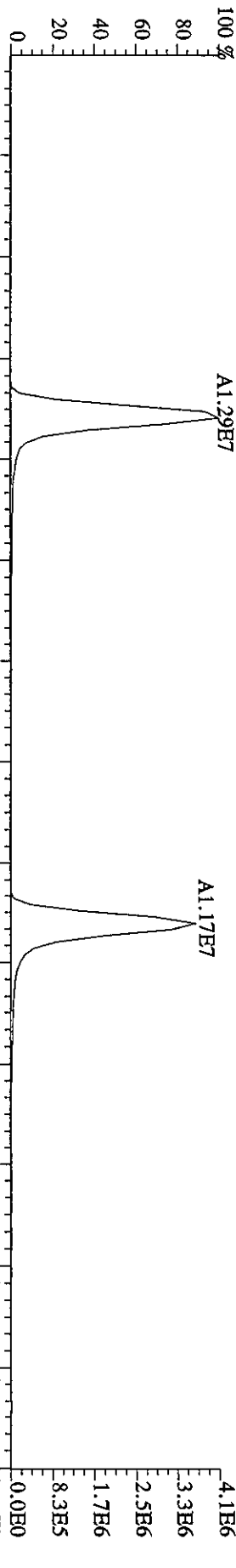


File:25MY06A9D5 #1-528 Acq:27-MAY-2006 00:19:46 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN  
 389.8157 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2772.0,1.00%,F,T)

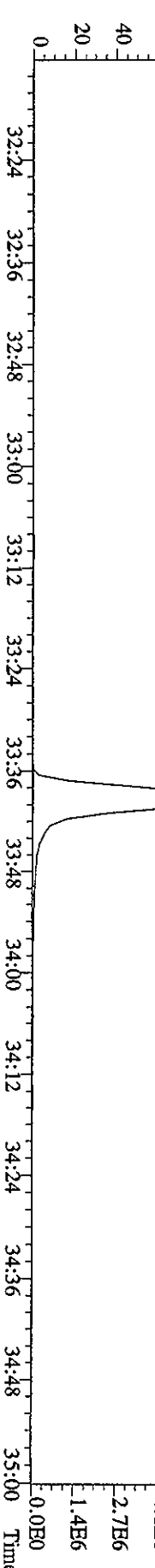
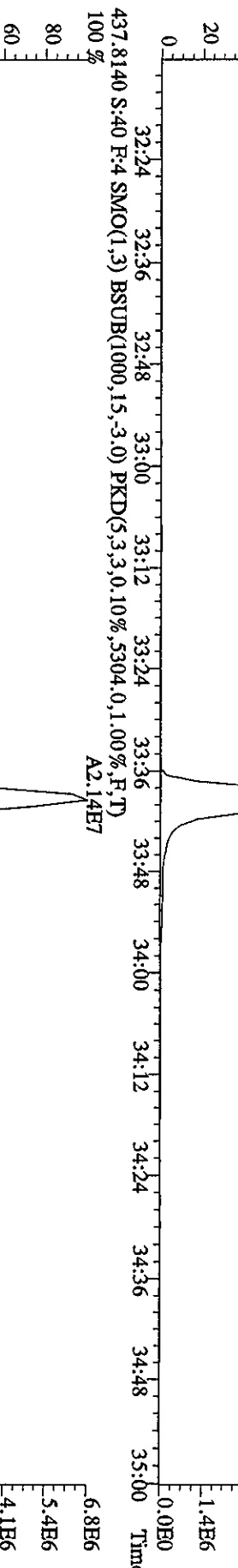
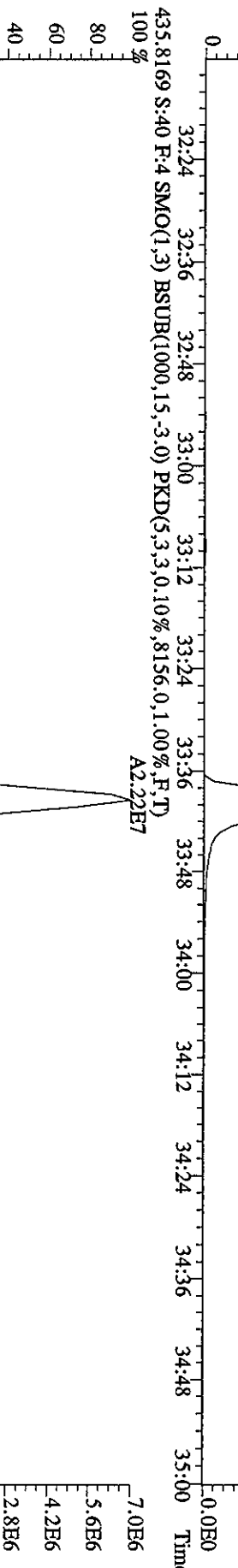
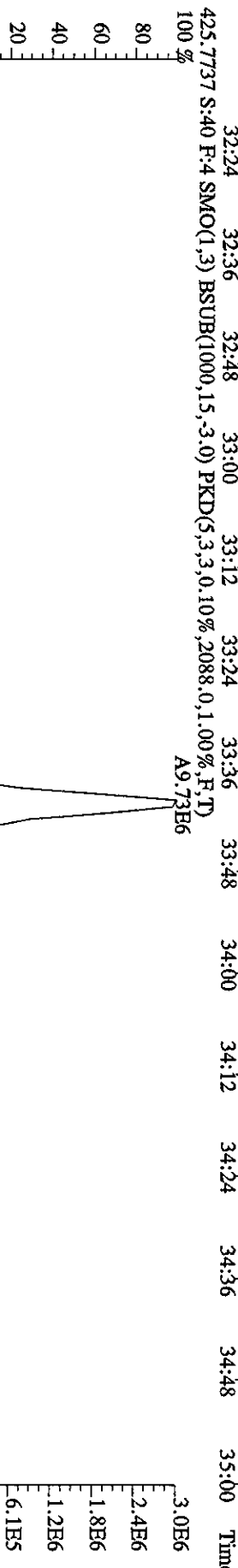
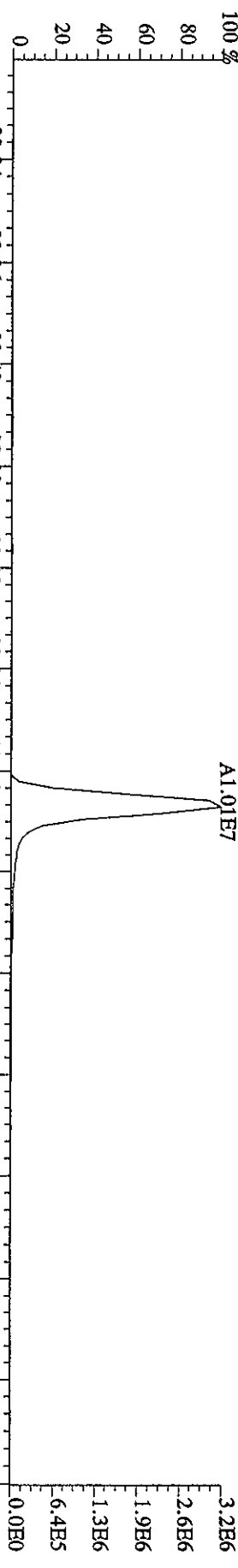


File:25MY06A9D5 #1-224 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE

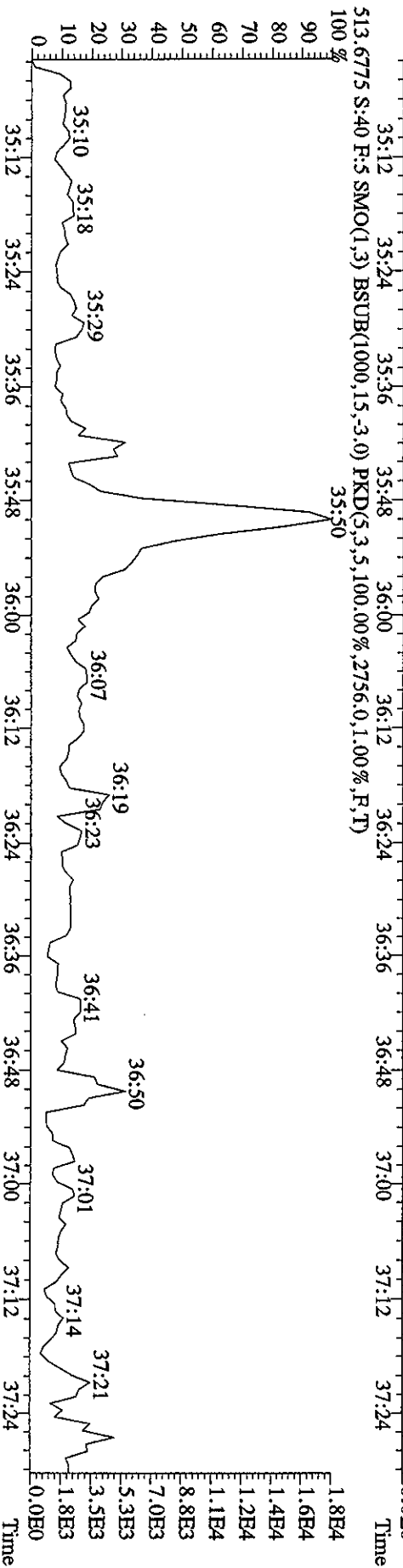
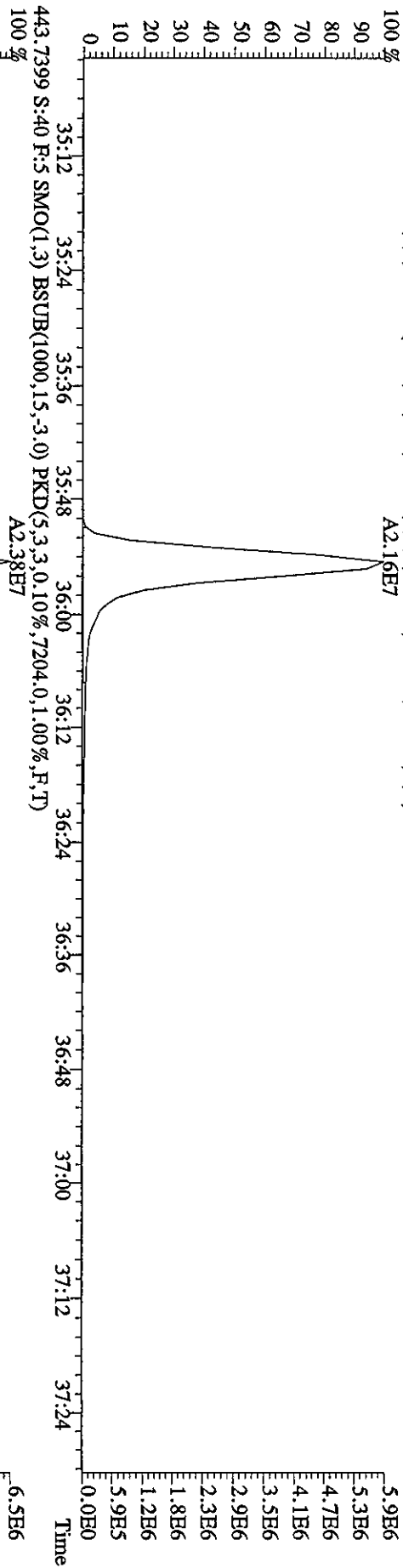
Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN



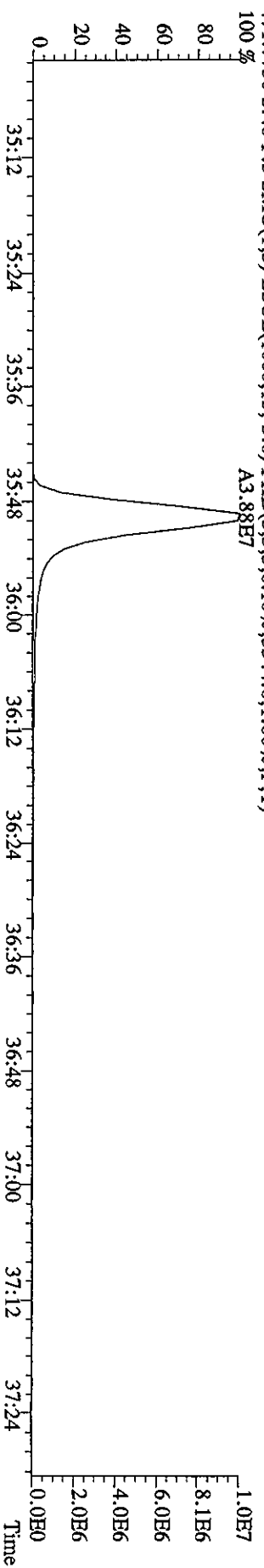
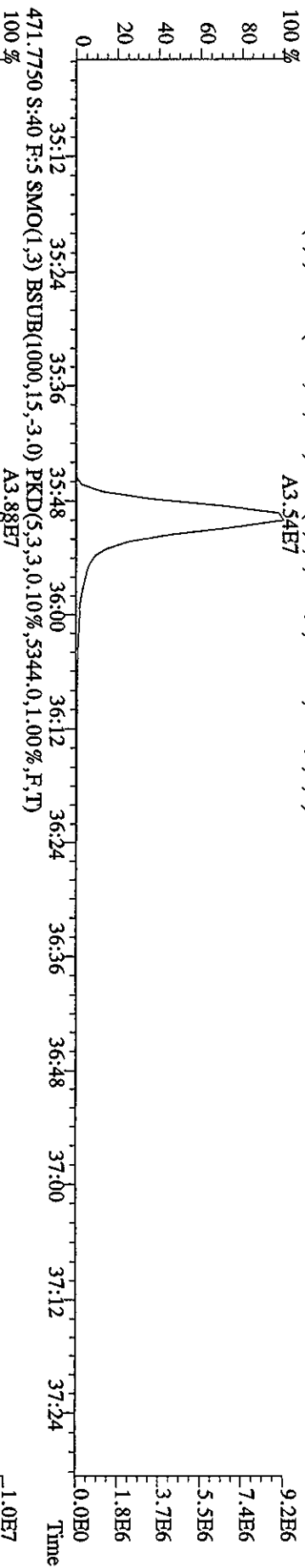
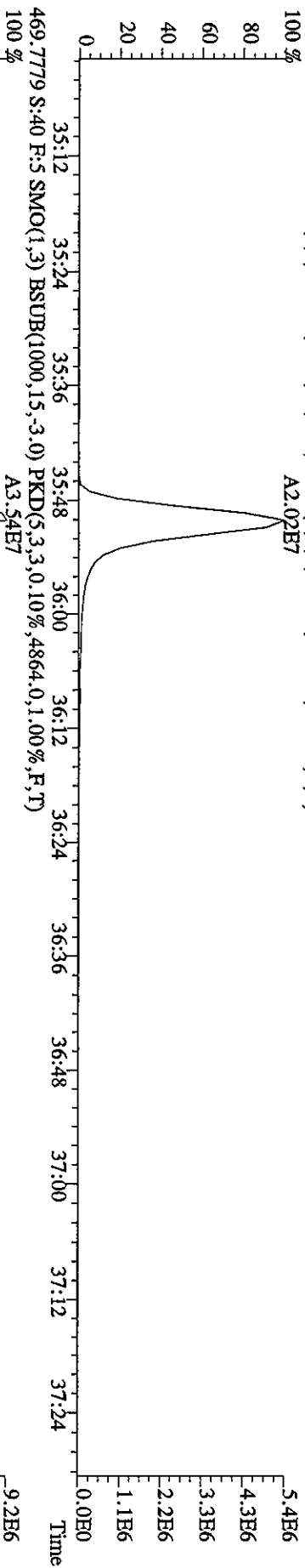
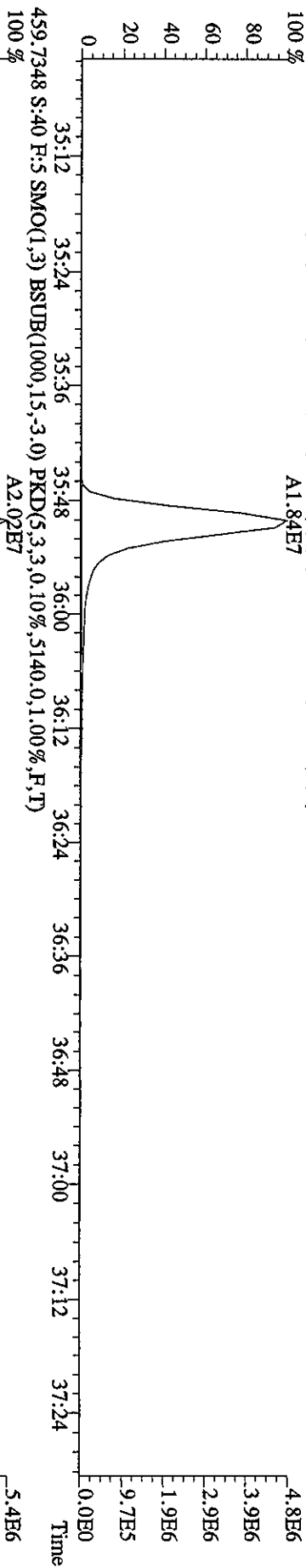
Sample#40 Text:ST0525D :CSS 2565-41C Exp:DIOXIN



File:25MY06A9D5 #1-201 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text:ST0525D :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%,3532.0,1.00%,F,T)  
 A2.16E7

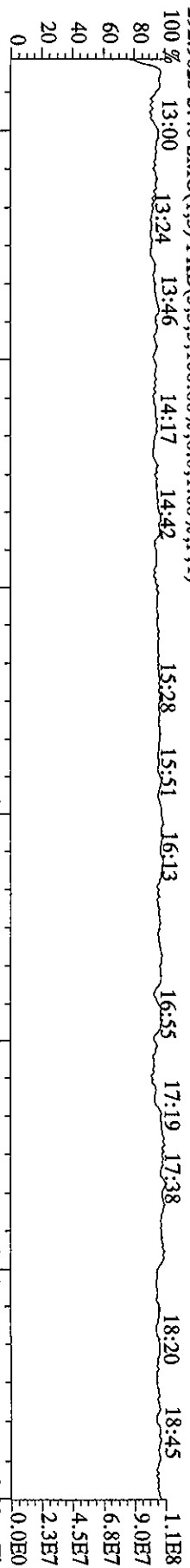


File:25MY06A9D5 #1-201 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text:ST0525D :CSS 2565-41C Exp:DIOXIN  
 457.7377 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7008.0,1.00%,F,T)  
 100% A1.84E7

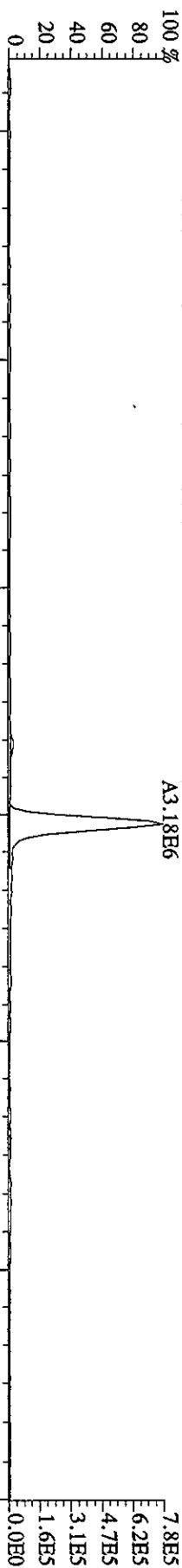


Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN

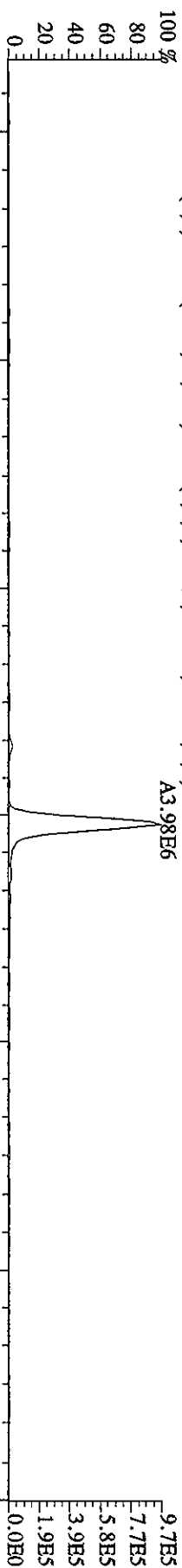
292.9825 S:40 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



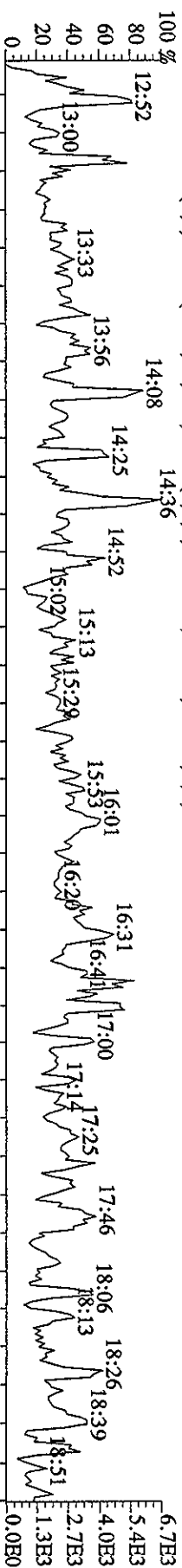
303.9016 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9104,0,1.00%,F,T)



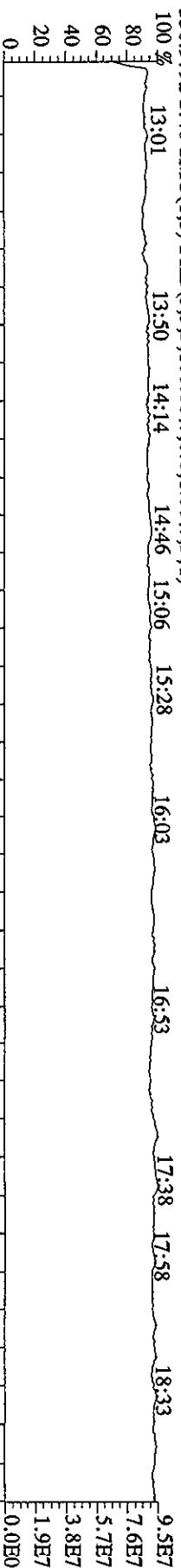
305.8987 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5728,0,1.00%,F,T)

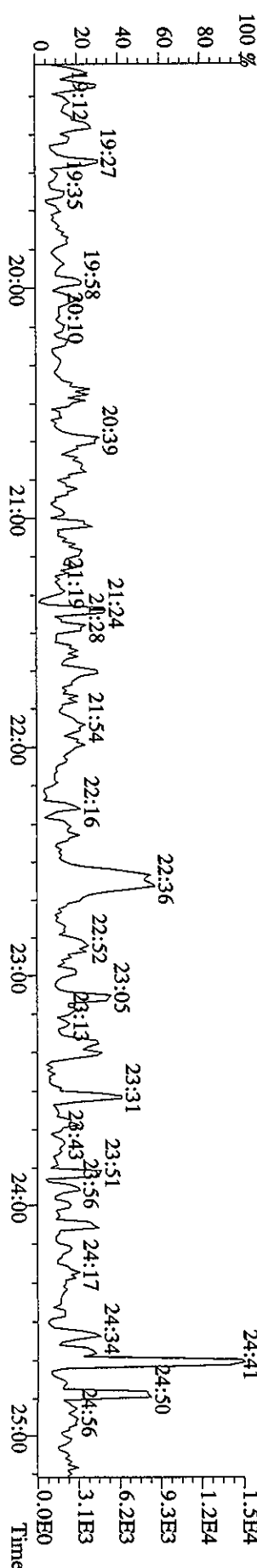
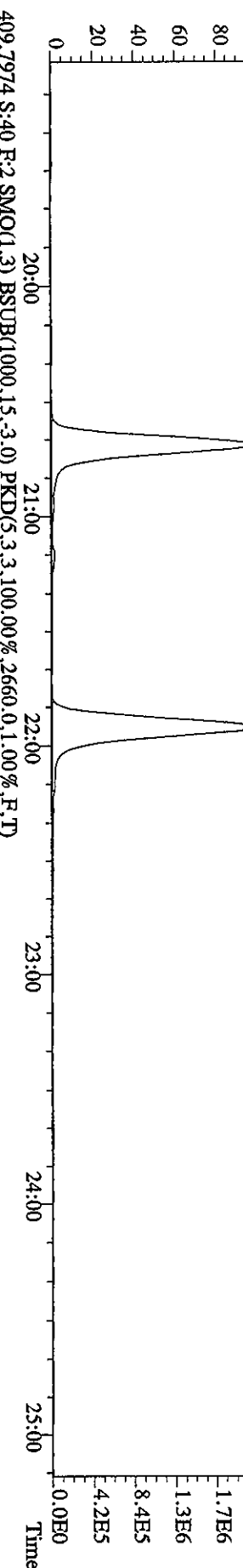
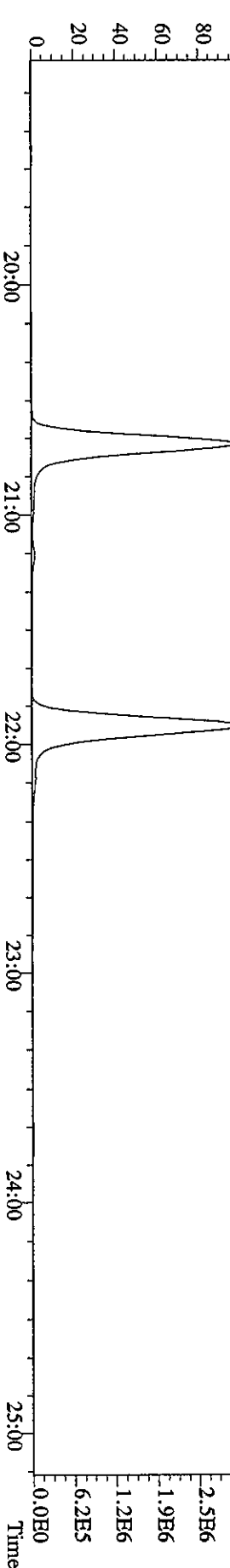
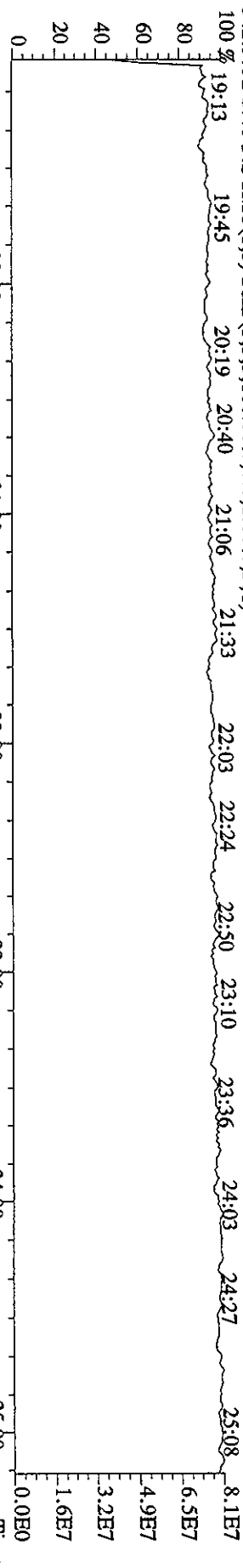


375.8364 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2976,0,1.00%,F,T)

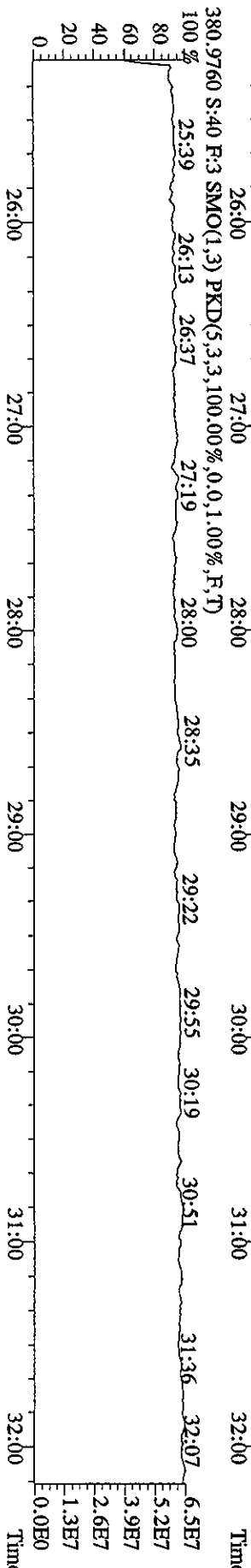
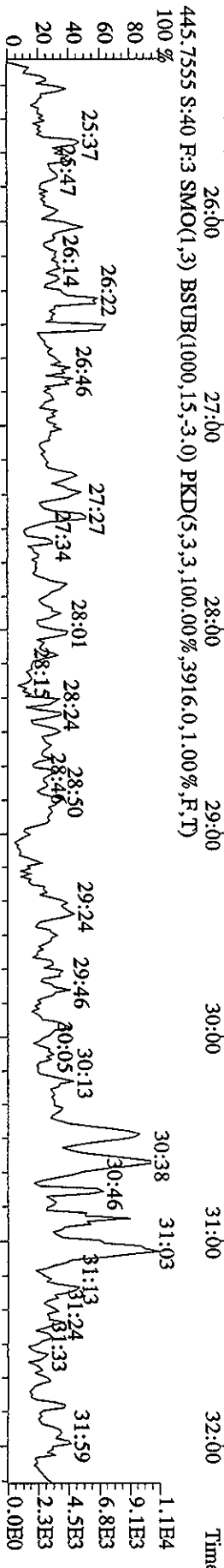
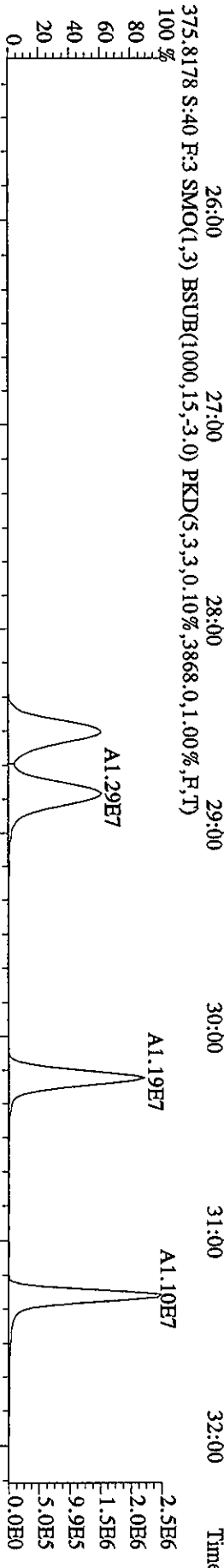
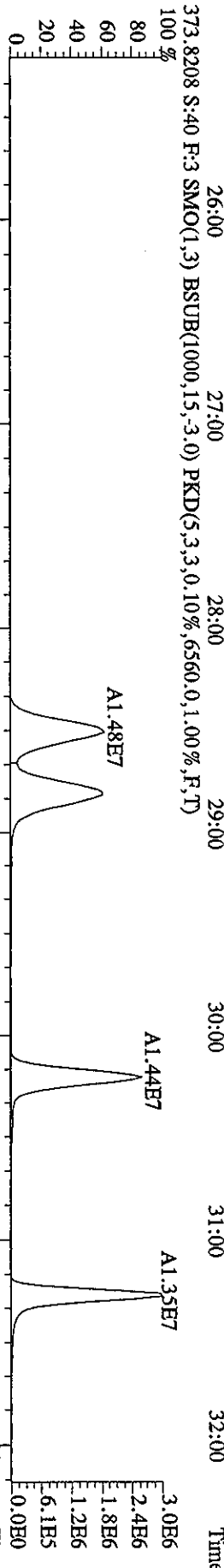
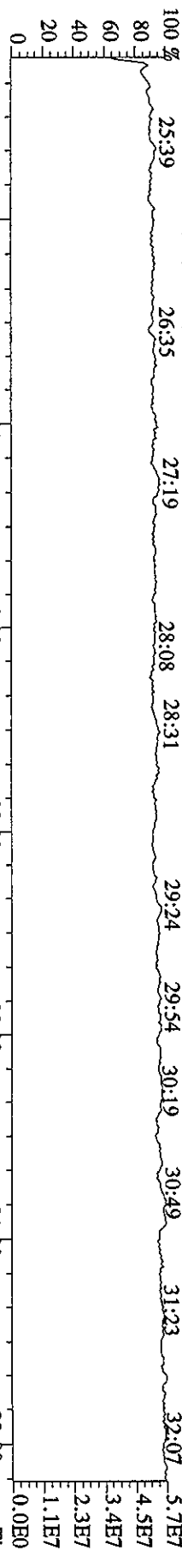


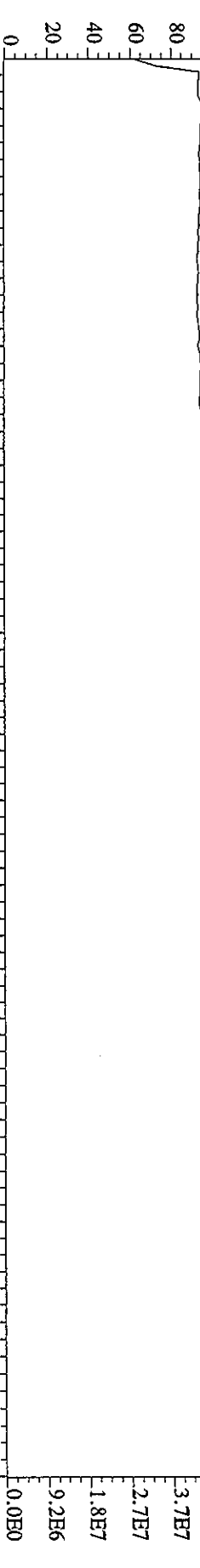
330.9792 S:40 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



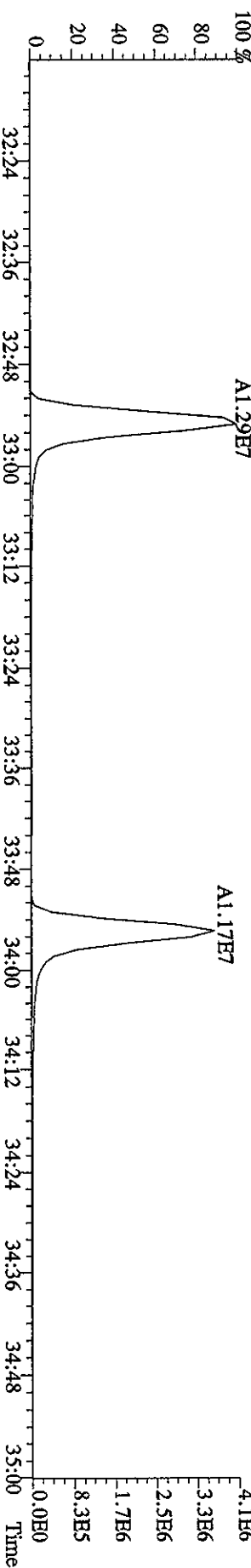


Sample#40 Text:ST0525D :CS3 2565.41C Exp:DIOXIN

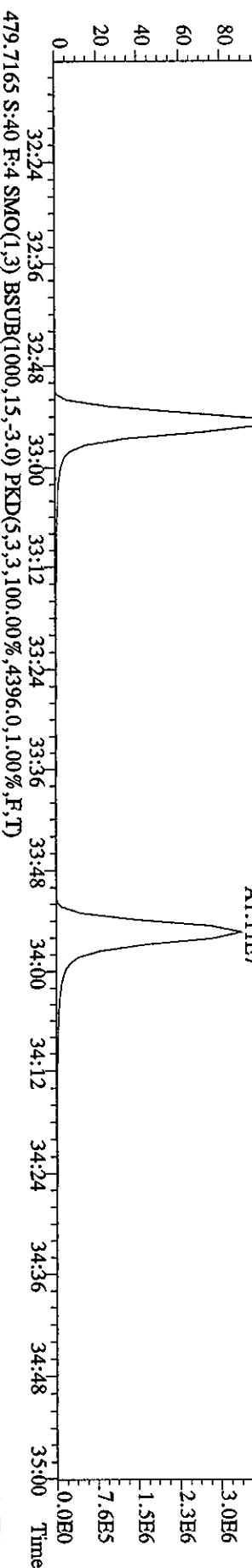




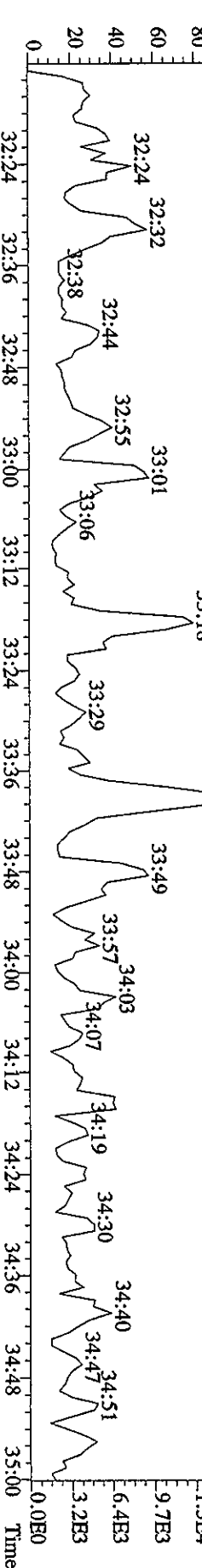
407.7818 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6048.0,1.00%,F,T)



409.7789 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2980.0,1.00%,F,T)



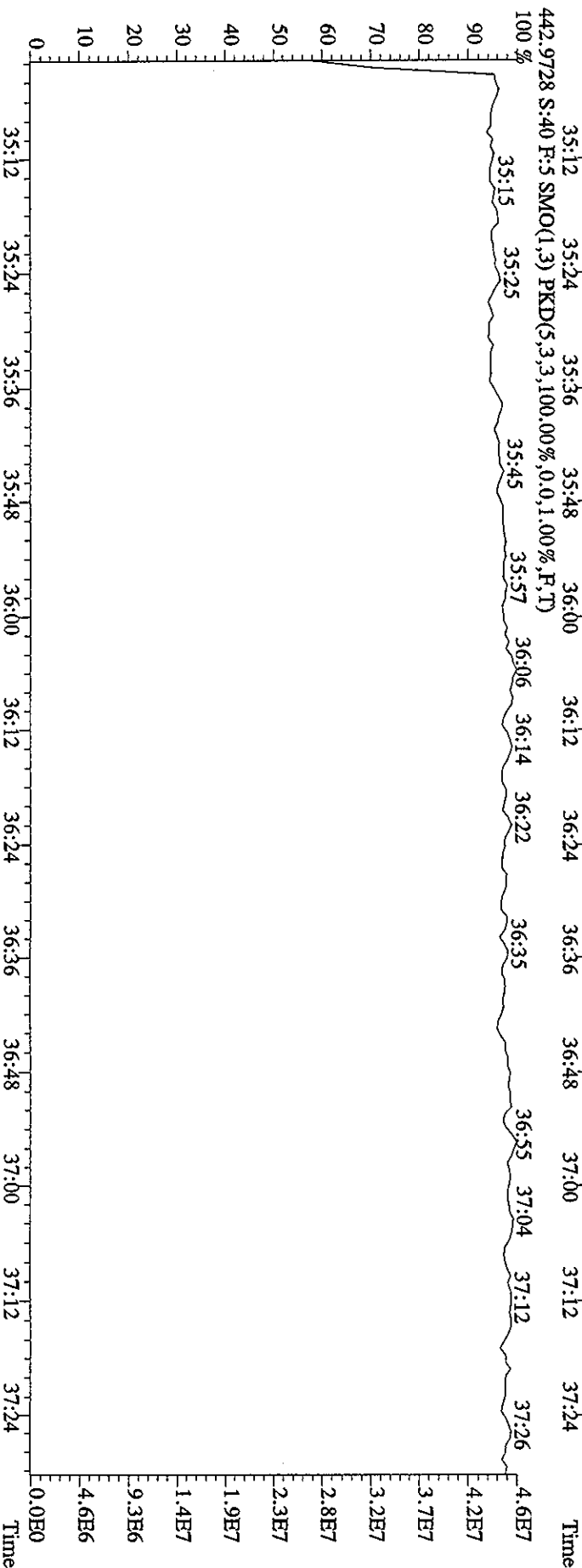
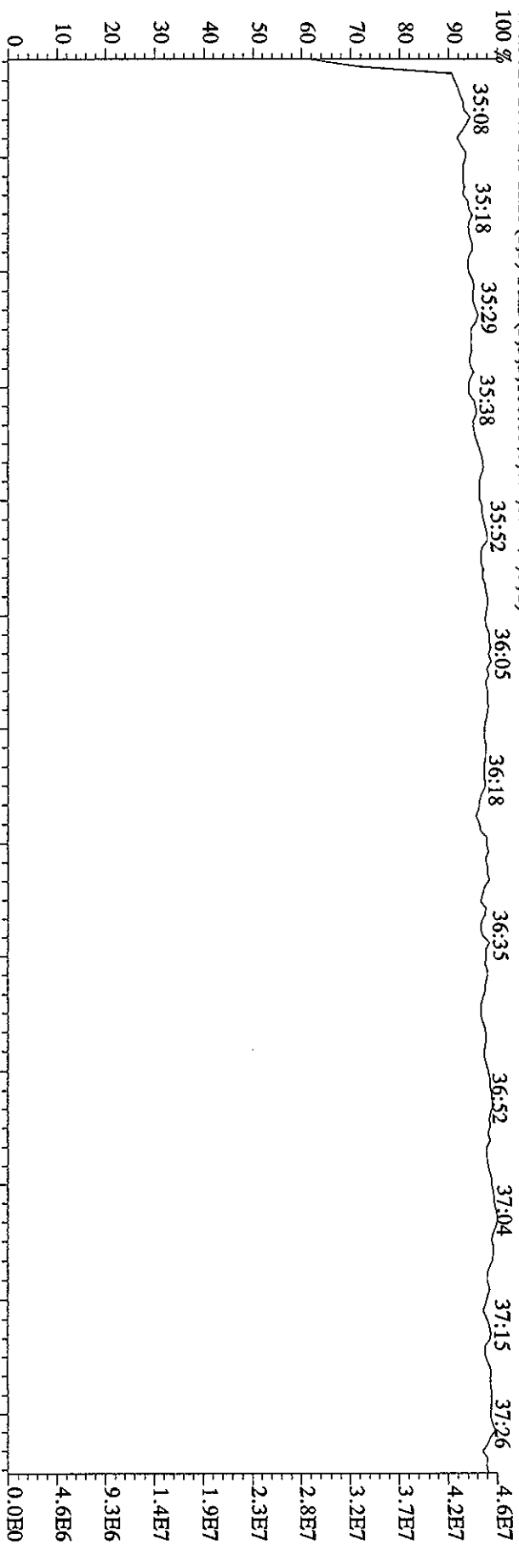
479.7165 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4396.0,1.00%,F,T)



File:25MY06A9D5 #1-201 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-Ultimate

Sample#40 Text:ST0525D :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)



## **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

**Initial Calibration Checklist**  
High Resolution

ICAL ID (8290, 1613, T09, 23, 0023A, TETRAS) 032806805  
 Method ID 8290, 1613B, T09, 23, 0023A, TETRAS (1613B, 551)  
 Column ID DB5 Instrument ID 805  
 STD ID's ST0328 (C, B, A, E, D) STD Solution 2565-41 (A, B, C, D, E)  
 Multiplier Setting 333V  
 Analyzed By M.G. Date Analyzed 3/28/06  
 Prepared By M.G. Date Prepared 3/29/06  
 Reviewed By SMA Date Reviewed 3/29/06

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: 28MR068D5 Analyte: 8290 Cal: 82900328068D5

ST0328C :CS1 2565-41A ST0328B :CS2 2565-41B ST0328A :CS3 2565-41C  
 ST0328E :CS4 2565-41D ST0328D :CS5 2565-41E

28MR068D5 28MR068D5 28MR068D5 28MR068D5 28MR068D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.759	0.009	0.528%	1.75	1.77	1.77	1.75	1.76
2,3,7,8-TCDF	0.935	0.106	11.3 %	1.11	0.96	0.89	0.87	0.84
Total TCDF	0.935	0.106	11.3 %	1.11	0.96	0.89	0.87	0.84
13C-2,3,7,8-TCDD	0.901	0.020	2.20 %	0.90	0.89	0.91	0.88	0.93
2,3,7,8-TCDD	1.479	0.061	4.10 %	1.58	1.43	1.48	1.46	1.44
Total TCDD	1.479	0.061	4.10 %	1.58	1.43	1.48	1.46	1.44
37Cl-2,3,7,8-TCDD	2.517	0.131	5.22 %	2.69	2.39	2.55	2.38	2.57
13C-1,2,3,7,8-PeCDF	1.540	0.061	3.93 %	1.46	1.62	1.57	1.51	1.55
1,2,3,7,8-PeCDF	1.081	0.049	4.50 %	1.17	1.05	1.06	1.06	1.07
2,3,4,7,8-PeCDF	1.089	0.075	6.90 %	1.21	1.01	1.07	1.07	1.09
Total F2 PeCDF	1.085	0.061	5.66 %	1.19	1.03	1.06	1.06	1.08
Total F1 PeCDF	1.085	0.061	5.66 %	1.19	1.03	1.06	1.06	1.08
13C-1,2,3,7,8-PeCDD	0.773	0.068	8.77 %	0.71	0.82	0.86	0.71	0.77
1,2,3,7,8-PeCDD	1.221	0.069	5.65 %	1.28	1.15	1.14	1.29	1.24
Total PeCDD	1.221	0.069	5.65 %	1.28	1.15	1.14	1.29	1.24
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.543	0.105	6.82 %	1.49	1.41	1.61	1.68	1.52
1,2,3,4,7,8-HxCDF	1.148	0.079	6.89 %	1.28	1.15	1.07	1.11	1.12
1,2,3,6,7,8-HxCDF	1.363	0.125	9.14 %	1.56	1.41	1.32	1.29	1.24
2,3,4,6,7,8-HxCDF	1.147	0.080	7.01 %	1.27	1.19	1.09	1.07	1.12
1,2,3,7,8,9-HxCDF	1.012	0.059	5.86 %	1.07	1.06	0.93	0.98	1.03
Total HxCDF	1.168	0.080	6.86 %	1.29	1.20	1.10	1.11	1.13
13C-1,2,3,6,7,8-HxCDD	1.099	0.080	7.29 %	1.12	1.08	1.20	1.11	0.98
1,2,3,4,7,8-HxCDD	0.924	0.113	12.2 %	0.91	0.87	0.77	0.99	1.07

1,2,3,6,7,8-HxCDD	1.199	0.062	5.20 %	1.28	1.15	1.13	1.24	1.19
1,2,3,7,8,9-HxCDD	1.136	0.082	7.25 %	1.18	1.12	1.00	1.18	1.20
Total HxCDD	1.086	0.077	7.12 %	1.13	1.05	0.97	1.14	1.15
13C-1,2,3,4,6,7,8-HpCDF	1.247	0.056	4.51 %	1.21	1.19	1.26	1.33	1.25
1,2,3,4,6,7,8-HpCDF	1.383	0.087	6.29 %	1.52	1.42	1.35	1.30	1.33
1,2,3,4,7,8,9-HpCDF	1.054	0.038	3.59 %	1.09	1.08	1.01	1.02	1.08
Total HpCDF	1.219	0.058	4.79 %	1.30	1.25	1.18	1.16	1.20
13C-1,2,3,4,6,7,8-HpCDD	0.936	0.057	6.11 %	0.87	0.91	0.92	1.02	0.96
1,2,3,4,6,7,8-HpCDD	1.065	0.050	4.74 %	1.15	1.06	1.06	1.01	1.05
Total HpCDD	1.065	0.050	4.74 %	1.15	1.06	1.06	1.01	1.05
13C-OCDD	0.593	0.063	10.6 %	0.50	0.58	0.57	0.64	0.67
OCDF	1.540	0.090	5.84 %	1.69	1.49	1.49	1.49	1.54
OCDD	1.140	0.080	6.99 %	1.28	1.11	1.12	1.10	1.10

Run #1    Filename 28MR068D5    S: 5    I: 1  
 Acquired: 28-MAR-06    15:58:35    Processed: 28-MAR-06    19:05:56  
 Run: 28MR068D5    Analyte: 8290    Cal: 82900328068D5  
 Comments:

Sample text: ST0328C :CS1 2565-41A

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	97516900	0.84 y	18:31	-	100.00	n
13C-2,3,7,8-TCDF	170508300	0.80 y	17:59	1.75	100.00	n
2,3,7,8-TCDF	943584	0.80 y	18:00	1.11	0.50	n
Total TCDF	-	- n	-	1.11	0.50	n
13C-2,3,7,8-TCDD	87434300	0.82 y	18:43	0.90	100.00	n
2,3,7,8-TCDD	690893	0.77 y	18:44	1.58	0.50	n
Total TCDD	-	- n	-	1.58	0.50	n
37Cl-2,3,7,8-TCDD	1313320	1.00 y	18:44	2.69	0.50	n
13C-1,2,3,7,8-PeCDF	142265600	1.61 y	23:18	1.46	100.00	n
1,2,3,7,8-PeCDF	4151010	1.59 y	23:21	1.17	2.50	n
2,3,4,7,8-PeCDF	4311860	1.62 y	24:46	1.21	2.50	n
Total F2 PeCDF	-	- n	-	1.19	5.00	n
Total F1 PeCDF	-	- n	-	1.19	5.00	n
13C-1,2,3,7,8-PeCDD	69383300	1.70 y	25:31	0.71	100.00	n
1,2,3,7,8-PeCDD	2226144	1.72 y	25:33	1.28	2.50	n
Total PeCDD	-	- n	-	1.28	2.50	n
13C-1,2,3,7,8,9-HxCDD	81851600	1.32 y	32:45	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	122112000	0.54 y	31:19	1.49	100.00	n
1,2,3,4,7,8-HxCDF	3907970	1.28 y	31:21	1.28	2.50	n
1,2,3,6,7,8-HxCDF	4753890	1.24 y	31:29	1.56	2.50	n
2,3,4,6,7,8-HxCDF	3864420	1.29 y	32:11	1.27	2.50	n
1,2,3,7,8,9-HxCDF	3253370	1.26 y	32:58	1.07	2.50	n
Total HxCDF	-	- n	-	1.29	10.00	n
13C-1,2,3,6,7,8-HxCDD	91921800	1.33 y	32:26	1.12	100.00	n
1,2,3,4,7,8-HxCDD	2099440	1.24 y	32:21	0.91	2.50	n
1,2,3,6,7,8-HxCDD	2942230	1.25 y	32:26	1.28	2.50	n
1,2,3,7,8,9-HxCDD	2722220	1.39 y	32:46	1.18	2.50	n
Total HxCDD	-	- n	-	1.13	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	98840100	0.45 y	34:29	1.21	100.00	n
1,2,3,4,6,7,8-HpCDF	3744650	1.02 y	34:30	1.52	2.50	n
1,2,3,4,7,8,9-HpCDF	2698210	1.08 y	35:45	1.09	2.50	n
Total HpCDF	-	- n	-	1.30	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	71167700	1.09 y	35:23	0.87	100.00	n
1,2,3,4,6,7,8-HpCDD	2045640	1.08 y	35:24	1.15	2.50	n
Total HpCDD	-	- n	-	1.15	2.50	n
13C-OCDD	82658600	1.01 y	38:07	0.50	200.00	n
OCDF	3502030	0.93 y	38:14	1.69	5.00	n

OCDD 2648460 0.94 y 38:07 1.28 5.00 n

Run #2    Filename 28MR068D5    S: 4    I: 1  
 Acquired: 28-MAR-06    15:16:46    Processed: 28-MAR-06    19:05:58  
 Run: 28MR068D5    Analyte: 8290    Cal: 82900328068D5

Comments:

Sample text: ST0328B :CS2 2565-41B

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	87977500	0.82 y	18:31	-	100.00	n
13C-2,3,7,8-TCDF	155308600	0.81 y	17:58	1.77	100.00	n
2,3,7,8-TCDF	2994400	0.75 y	17:59	0.96	2.00	n
Total TCDF	-	- n	-	0.96	2.00	n
13C-2,3,7,8-TCDD	78538500	0.81 y	18:44	0.89	100.00	n
2,3,7,8-TCDD	2246014	0.79 y	18:45	1.43	2.00	n
Total TCDD	-	- n	-	1.43	2.00	n
37Cl-2,3,7,8-TCDD	4207140	1.00 y	18:45	2.39	2.00	n
13C-1,2,3,7,8-PeCDF	142116500	1.63 y	23:19	1.62	100.00	n
1,2,3,7,8-PeCDF	14917330	1.62 y	23:20	1.05	10.00	n
2,3,4,7,8-PeCDF	14334060	1.61 y	24:46	1.01	10.00	n
Total F2 PeCDF	-	- n	-	1.03	20.00	n
Total F1 PeCDF	-	- n	-	1.03	20.00	n
13C-1,2,3,7,8-PeCDD	72569200	1.63 y	25:30	0.82	100.00	n
1,2,3,7,8-PeCDD	8376190	1.65 y	25:33	1.15	10.00	n
Total PeCDD	-	- n	-	1.15	10.00	n
13C-1,2,3,7,8,9-HxCDD	78320600	1.31 y	32:45	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	110613000	0.55 y	31:20	1.41	100.00	n
1,2,3,4,7,8-HxCDF	12752100	1.26 y	31:21	1.15	10.00	n
1,2,3,6,7,8-HxCDF	15574030	1.26 y	31:30	1.41	10.00	n
2,3,4,6,7,8-HxCDF	13151230	1.26 y	32:11	1.19	10.00	n
1,2,3,7,8,9-HxCDF	11763350	1.28 y	32:58	1.06	10.00	n
Total HxCDF	-	- n	-	1.20	40.00	n
13C-1,2,3,6,7,8-HxCDD	84922100	1.31 y	32:26	1.08	100.00	y
1,2,3,4,7,8-HxCDD	7418050	1.26 y	32:22	0.87	10.00	y
1,2,3,6,7,8-HxCDD	9748960	1.32 y	32:27	1.15	10.00	y
1,2,3,7,8,9-HxCDD	9482300	1.27 y	32:46	1.12	10.00	n
Total HxCDD	-	- n	-	1.05	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	93017000	0.47 y	34:28	1.19	100.00	n
1,2,3,4,6,7,8-HpCDF	13236800	1.08 y	34:29	1.42	10.00	n
1,2,3,4,7,8,9-HpCDF	10025600	1.05 y	35:44	1.08	10.00	n
Total HpCDF	-	- n	-	1.25	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	71428500	1.09 y	35:23	0.91	100.00	n
1,2,3,4,6,7,8-HpCDD	7560730	1.07 y	35:24	1.06	10.00	n
Total HpCDD	-	- n	-	1.06	10.00	n
13C-OCDD	91461300	0.93 y	38:07	0.58	200.00	n
OCDF	13599060	0.92 y	38:14	1.49	20.00	n

OCDD 10159240 0.90 y 38:08 1.11 20.00 n

Run #2    Filename 28MR068D5    S: 4    I: 1  
 Acquired: 28-MAR-06    15:16:46    Processed: 28-MAR-06    19:05:58  
 Run: 28MR068D5    Analyte: 8290    Cal: 82900328068D5  
 Comments:

Sample text: ST0328B :CS2 2565-41B

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	87977500	0.82 y	18:31	-	100.00	n
13C-2,3,7,8-TCDF	155308600	0.81 y	17:58	1.77	100.00	n
2,3,7,8-TCDF	2994400	0.75 y	17:59	0.96	2.00	n
Total TCDF	-	- n	-	0.96	2.00	n
13C-2,3,7,8-TCDD	78538500	0.81 y	18:44	0.89	100.00	n
2,3,7,8-TCDD	2246014	0.79 y	18:45	1.43	2.00	n
Total TCDD	-	- n	-	1.43	2.00	n
37Cl-2,3,7,8-TCDD	4207140	1.00 y	18:45	2.39	2.00	n
13C-1,2,3,7,8-PeCDF	142116500	1.63 y	23:19	1.62	100.00	n
1,2,3,7,8-PeCDF	14917330	1.62 y	23:20	1.05	10.00	n
2,3,4,7,8-PeCDF	14334060	1.61 y	24:46	1.01	10.00	n
Total F2 PeCDF	-	- n	-	1.03	20.00	n
Total F1 PeCDF	-	- n	-	1.03	20.00	n
13C-1,2,3,7,8-PeCDD	72569200	1.63 y	25:30	0.82	100.00	n
1,2,3,7,8-PeCDD	8376190	1.65 y	25:33	1.15	10.00	n
Total PeCDD	-	- n	-	1.15	10.00	n
13C-1,2,3,7,8,9-HxCDD	78320500	1.31 y	32:45	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	110613000	0.55 y	31:20	1.41	100.00	n
1,2,3,4,7,8-HxCDF	12752100	1.26 y	31:21	1.15	10.00	n
1,2,3,6,7,8-HxCDF	15574030	1.26 y	31:30	1.41	10.00	n
2,3,4,6,7,8-HxCDF	13151230	1.26 y	32:11	1.19	10.00	n
1,2,3,7,8,9-HxCDF	11763350	1.28 y	32:58	1.06	10.00	n
Total HxCDF	-	- n	-	1.20	40.00	n
13C-1,2,3,6,7,8-HxCDD	84798300	1.21 y	32:26	1.08	100.00	n
1,2,3,4,7,8-HxCDD	6793696	1.43 n	32:22	0.80	10.00	n
1,2,3,6,7,8-HxCDD	9839820	1.21 y	32:27	1.16	10.00	n
1,2,3,7,8,9-HxCDD	9482290	1.27 y	32:46	1.12	10.00	n
Total HxCDD	-	- n	-	1.03	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	93017000	0.47 y	34:28	1.19	100.00	n
1,2,3,4,6,7,8-HpCDF	13236800	1.08 y	34:29	1.42	10.00	n
1,2,3,4,7,8,9-HpCDF	10025600	1.05 y	35:44	1.08	10.00	n
Total HpCDF	-	- n	-	1.25	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	71428500	1.09 y	35:23	0.91	100.00	n
1,2,3,4,6,7,8-HpCDD	7560730	1.07 y	35:24	1.06	10.00	n
Total HpCDD	-	- n	-	1.06	10.00	n
13C-OCDD	91461300	0.93 y	38:07	0.58	200.00	n
OCDF	13599060	0.92 y	38:14	1.49	20.00	n
OCDD	10159240	0.90 y	38:08	1.11	20.00	n

Run #3    Filename 28MR068D5    S: 3    I: 1  
 Acquired: 28-MAR-06    14:34:55    Processed: 28-MAR-06    19:06:00  
 Run: 28MR068D5    Analyte: 8290    Cal: 82900328068D5

Comments:

Sample text: ST0328A :CS3 2565-41C

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	87785400	0.84 y	18:32	-	100.00	n
13C-2,3,7,8-TCDF	155298100	0.81 y	17:59	1.77	100.00	n
2,3,7,8-TCDF	13821350	0.73 y	18:00	0.89	10.00	n
Total TCDF	-	- n	-	0.89	10.00	n
13C-2,3,7,8-TCDD	79504400	0.82 y	18:44	0.91	100.00	n
2,3,7,8-TCDD	11791620	0.82 y	18:45	1.48	10.00	n
Total TCDD	-	- n	-	1.48	10.00	n
37Cl-2,3,7,8-TCDD	22389200	1.00 y	18:45	2.55	10.00	n
13C-1,2,3,7,8-PeCDF	138147200	1.60 y	23:22	1.57	100.00	n
1,2,3,7,8-PeCDF	73037800	1.60 y	23:23	1.06	50.00	n
2,3,4,7,8-PeCDF	73668700	1.59 y	24:49	1.07	50.00	n
Total F2 PeCDF	-	- n	-	1.06	100.00	n
Total F1 PeCDF	-	- n	-	1.06	100.00	n
13C-1,2,3,7,8-PeCDD	75396700	1.64 y	25:34	0.86	100.00	n
1,2,3,7,8-PeCDD	43075300	1.62 y	25:37	1.14	50.00	n
Total PeCDD	-	- n	-	1.14	50.00	n
13C-1,2,3,7,8,9-HxCDD	75667600	1.32 y	32:46	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	121771000	0.53 y	31:21	1.61	100.00	n
1,2,3,4,7,8-HxCDF	65417900	1.25 y	31:22	1.07	50.00	n
1,2,3,6,7,8-HxCDF	80482500	1.26 y	31:31	1.32	50.00	n
2,3,4,6,7,8-HxCDF	66461500	1.27 y	32:12	1.09	50.00	n
1,2,3,7,8,9-HxCDF	56457800	1.27 y	32:59	0.93	50.00	n
Total HxCDF	-	- n	-	1.10	200.00	n
13C-1,2,3,6,7,8-HxCDD	91020000	1.32 y	32:27	1.20	100.00	n
1,2,3,4,7,8-HxCDD	35173200	1.26 y	32:22	0.77	50.00	n
1,2,3,6,7,8-HxCDD	51628700	1.29 y	32:28	1.13	50.00	n
1,2,3,7,8,9-HxCDD	45522800	1.26 y	32:47	1.00	50.00	n
Total HxCDD	-	- n	-	0.97	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	95334300	0.45 y	34:30	1.26	100.00	n
1,2,3,4,6,7,8-HpCDF	64441700	1.06 y	34:30	1.35	50.00	n
1,2,3,4,7,8,9-HpCDF	48174800	1.04 y	35:46	1.01	50.00	n
Total HpCDF	-	- n	-	1.18	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	69479800	1.08 y	35:24	0.92	100.00	n
1,2,3,4,6,7,8-HpCDD	36690600	1.06 y	35:25	1.06	50.00	n
Total HpCDD	-	- n	-	1.06	50.00	n
13C-OCDD	86539600	0.92 y	38:07	0.57	200.00	n
OCDF	64338400	0.92 y	38:15	1.49	100.00	n
OCDD	48266200	0.91 y	38:08	1.12	100.00	n

Run #4    Filename 28MR068D5    S: 7    I: 1  
 Acquired: 28-MAR-06    17:22:16    Processed: 28-MAR-06    19:06:01  
 Run: 28MR068D5    Analyte: 8290    Cal: 82900328068D5  
 Comments:

Sample text: ST0328E :CS4 2565-41D

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	97953200	0.84 y	18:31	-	100.00	n
13C-2,3,7,8-TCDF	171455100	0.79 y	17:58	1.75	100.00	n
2,3,7,8-TCDF	59690200	0.75 y	17:59	0.87	40.00	n
Total TCDF	-	- n	-	0.87	40.00	n
13C-2,3,7,8-TCDD	86039900	0.82 y	18:44	0.88	100.00	n
2,3,7,8-TCDD	50318500	0.81 y	18:45	1.46	40.00	n
Total TCDD	-	- n	-	1.46	40.00	n
37Cl-2,3,7,8-TCDD	93316600	1.00 y	18:45	2.38	40.00	n
13C-1,2,3,7,8-PeCDF	147439800	1.61 y	23:19	1.51	100.00	n
1,2,3,7,8-PeCDF	312372000	1.60 y	23:19	1.06	200.00	n
2,3,4,7,8-PeCDF	315222000	1.57 y	24:45	1.07	200.00	n
Total F2 PeCDF	-	- n	-	1.06	400.00	n
Total F1 PeCDF	-	- n	-	1.06	400.00	n
13C-1,2,3,7,8-PeCDD	69140000	1.57 y	25:30	0.71	100.00	n
1,2,3,7,8-PeCDD	177773000	1.67 y	25:31	1.29	200.00	n
Total PeCDD	-	- n	-	1.29	200.00	n
13C-1,2,3,7,8,9-HxCDD	77086700	1.33 y	32:45	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	129721400	0.53 y	31:19	1.68	100.00	n
1,2,3,4,7,8-HxCDF	287823000	1.25 y	31:20	1.11	200.00	n
1,2,3,6,7,8-HxCDF	335053000	1.26 y	31:29	1.29	200.00	n
2,3,4,6,7,8-HxCDF	277596000	1.23 y	32:11	1.07	200.00	n
1,2,3,7,8,9-HxCDF	253847000	1.26 y	32:57	0.98	200.00	n
Total HxCDF	-	- n	-	1.11	800.00	n
13C-1,2,3,6,7,8-HxCDD	85191300	1.31 y	32:25	1.11	100.00	n
1,2,3,4,7,8-HxCDD	169310500	1.26 y	32:21	0.99	200.00	n
1,2,3,6,7,8-HxCDD	211988000	1.28 y	32:26	1.24	200.00	n
1,2,3,7,8,9-HxCDD	200325300	1.27 y	32:46	1.18	200.00	n
Total HxCDD	-	- n	-	1.14	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	102757900	0.45 y	34:27	1.33	100.00	n
1,2,3,4,6,7,8-HpCDF	266934000	1.04 y	34:28	1.30	200.00	n
1,2,3,4,7,8,9-HpCDF	208926000	1.04 y	35:43	1.02	200.00	n
Total HpCDF	-	- n	-	1.16	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	78723500	1.07 y	35:22	1.02	100.00	n
1,2,3,4,6,7,8-HpCDD	159763500	1.06 y	35:23	1.01	200.00	n
Total HpCDD	-	- n	-	1.01	200.00	n
13C-OCDD	98267000	0.94 y	38:05	0.64	200.00	n
OCDF	292329000	0.92 y	38:13	1.49	400.00	n
OCDD	215426000	0.91 y	38:06	1.10	400.00	n

Run #5 Filename 28MR068D5 S: 6 I: 1  
 Acquired: 28-MAR-06 16:40:26 Processed: 28-MAR-06 19:06:03  
 Run: 28MR068D5 Analyte: 8290 Cal: 82900328068D5

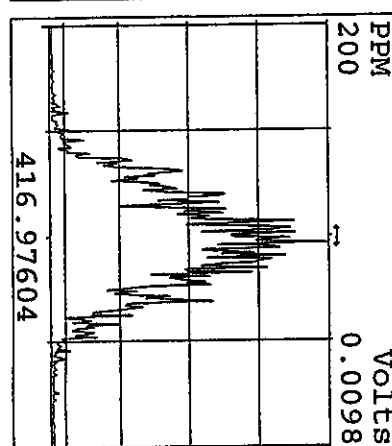
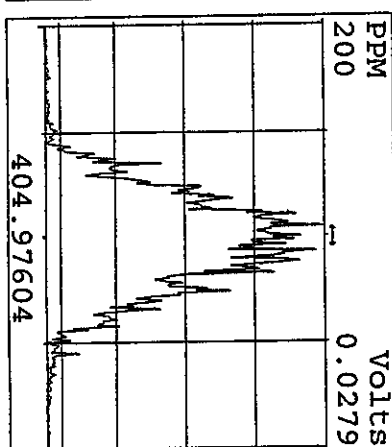
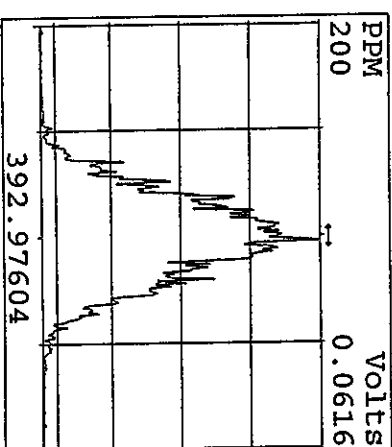
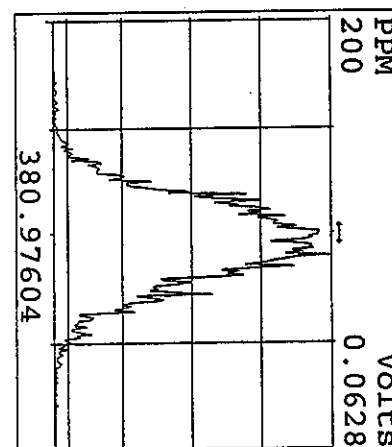
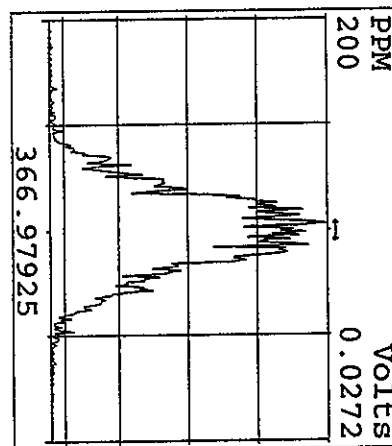
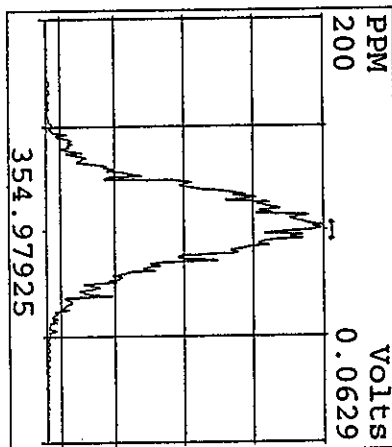
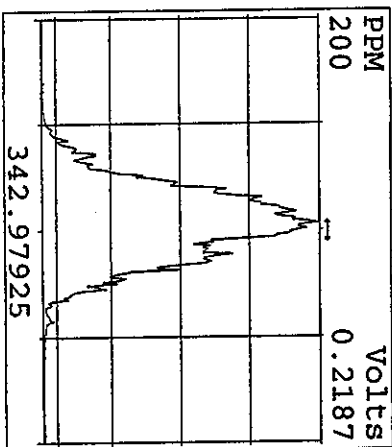
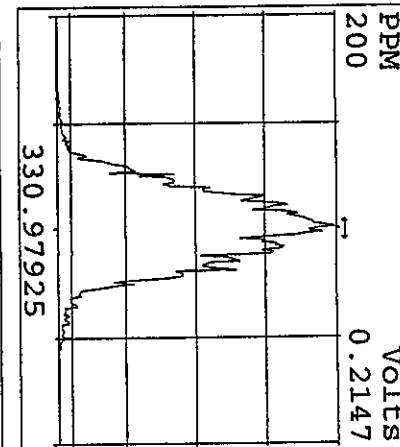
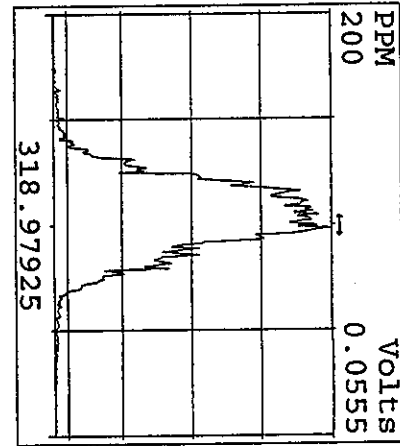
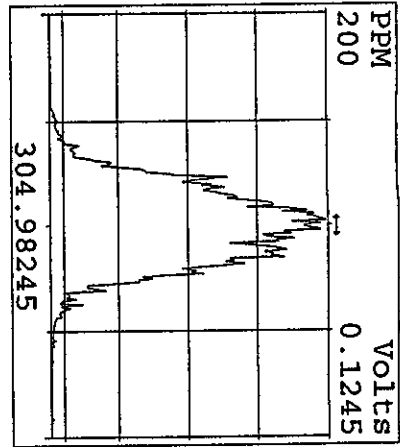
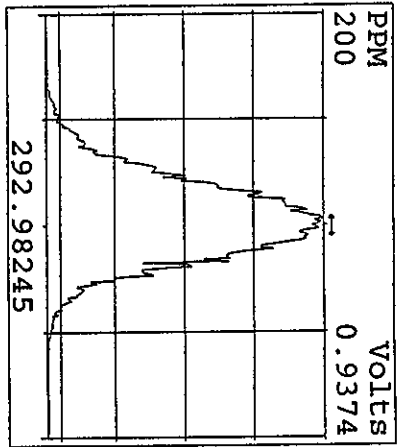
Comments:

Sample text: ST0328D :CS5 2565-41E

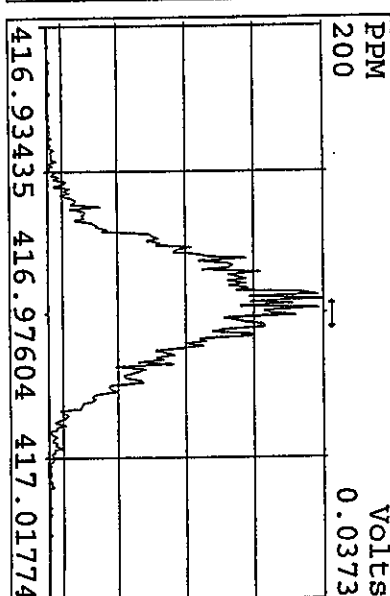
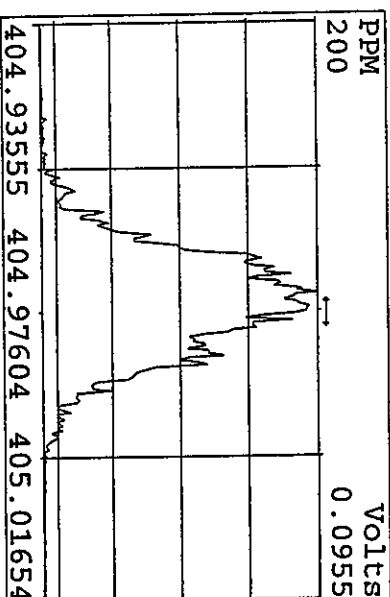
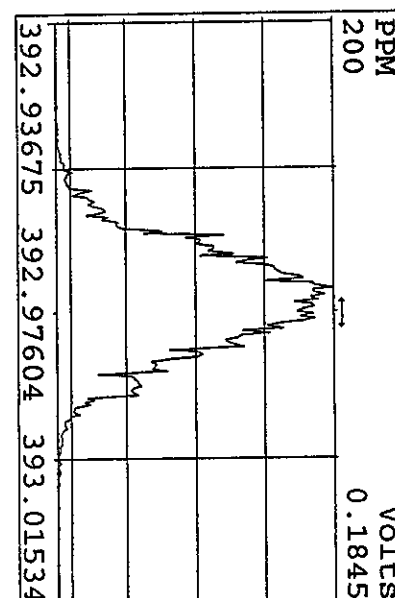
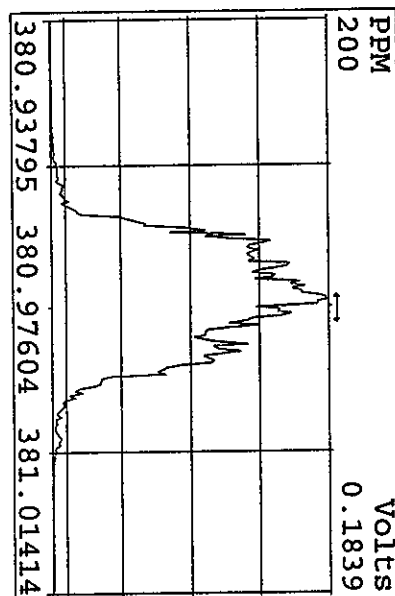
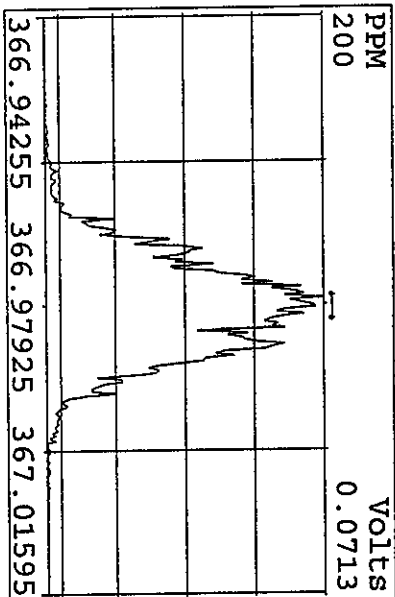
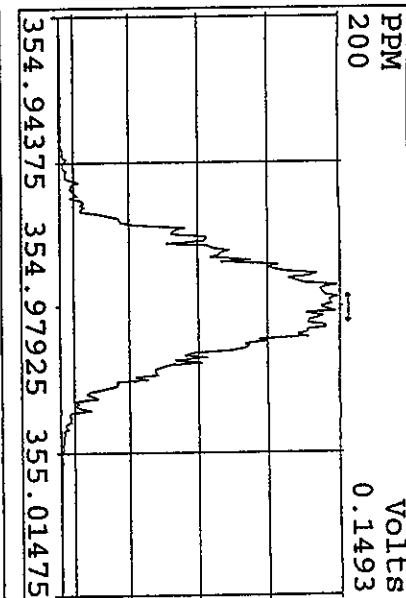
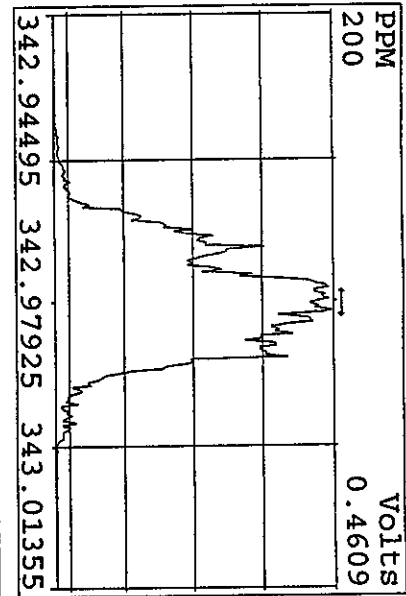
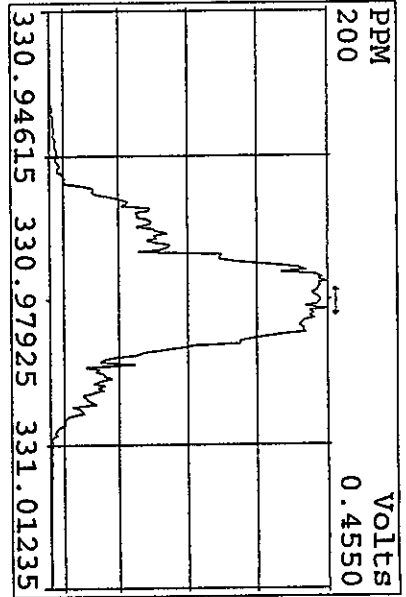
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13C-1,2,3,4-TCDD	99927600	0.86 y	18:31	-	100.00	n
13C-2,3,7,8-TCDF	176220700	0.79 y	17:58	1.76	100.00	n
2,3,7,8-TCDF	297237000	0.75 y	17:59	0.84	200.00	n
Total TCDF	-	- n	-	0.84	200.00	n
13C-2,3,7,8-TCDD	93113300	0.82 y	18:43	0.93	100.00	n
2,3,7,8-TCDD	267773000	0.81 y	18:44	1.44	200.00	n
Total TCDD	-	- n	-	1.44	200.00	n
37Cl-2,3,7,8-TCDD	513262000	1.00 y	18:44	2.57	200.00	n
13C-1,2,3,7,8-PeCDF	154749300	1.58 y	23:18	1.55	100.00	n
1,2,3,7,8-PeCDF	1660487000	1.59 y	23:19	1.07	1000.00	n
2,3,4,7,8-PeCDF	1686440000	1.59 y	24:44	1.09	1000.00	n
Total F2 PeCDF	-	- n	-	1.08	2000.00	n
Total F1 PeCDF	-	- n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	76472800	1.67 y	25:28	0.77	100.00	n
1,2,3,7,8-PeCDD	948945000	1.63 y	25:30	1.24	1000.00	n
Total PeCDD	-	- n	-	1.24	1000.00	n
13C-1,2,3,7,8,9-HxCDD	97773300	1.34 y	32:44	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	148418700	0.54 y	31:18	1.52	100.00	n
1,2,3,4,7,8-HxCDF	1666256000	1.25 y	31:19	1.12	1000.00	n
1,2,3,6,7,8-HxCDF	1837690000	1.27 y	31:27	1.24	1000.00	n
2,3,4,6,7,8-HxCDF	1657094000	1.26 y	32:09	1.12	1000.00	n
1,2,3,7,8,9-HxCDF	1525107000	1.26 y	32:56	1.03	1000.00	n
Total HxCDF	-	- n	-	1.13	4000.00	n
13C-1,2,3,6,7,8-HxCDD	95871200	1.32 y	32:25	0.98	100.00	n
1,2,3,4,7,8-HxCDD	1022467000	1.27 y	32:20	1.07	1000.00	n
1,2,3,6,7,8-HxCDD	1138418000	1.29 y	32:26	1.19	1000.00	n
1,2,3,7,8,9-HxCDD	1152672000	1.27 y	32:44	1.20	1000.00	n
Total HxCDD	-	- n	-	1.15	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	122030300	0.46 y	34:27	1.25	100.00	n
1,2,3,4,6,7,8-HpCDF	1620210000	1.05 y	34:28	1.33	1000.00	n
1,2,3,4,7,8,9-HpCDF	1312212000	1.04 y	35:43	1.08	1000.00	n
Total HpCDF	-	- n	-	1.20	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	93704700	1.07 y	35:22	0.96	100.00	n
1,2,3,4,6,7,8-HpCDD	980530000	1.06 y	35:22	1.05	1000.00	n
Total HpCDD	-	- n	-	1.05	1000.00	n
13C-OCDD	130385600	0.91 y	38:05	0.67	200.00	n
OCDF	2013582000	0.92 y	38:11	1.54	2000.00	n
OCDD	1429005000	0.91 y	38:06	1.10	2000.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
28MR068D5	1	ST0328	CS3 2565-41C				1.000	
28MR068D5	2	CP0328	DB-5 CPSM 2565-47				1.000	
28MR068D5	3	ST0328A	CS3 2565-41C				1.000	
28MR068D5	4	ST0328B	CS2 2565-41B				1.000	
28MR068D5	5	ST0328C	CS1 2565-41A				1.000	
28MR068D5	6	ST0328D	CS5 2565-41E				1.000	
28MR068D5	7	ST0328E	CS4 2565-41D				1.000	
28MR068D5	8	ST0328F	2nd Source 2565-65				1.000	
28MR068D5	9						1.000	
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28MR068D5	12		MG 03/28/06				1.000	

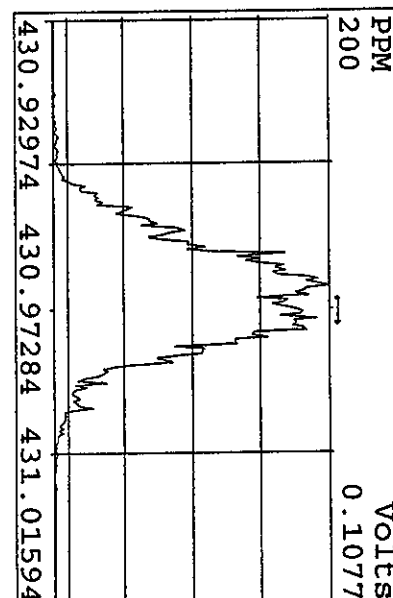
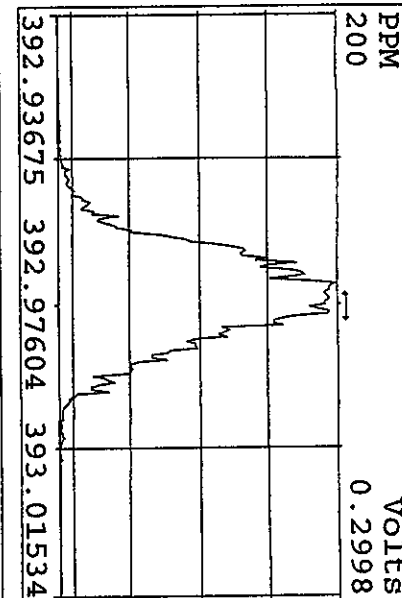
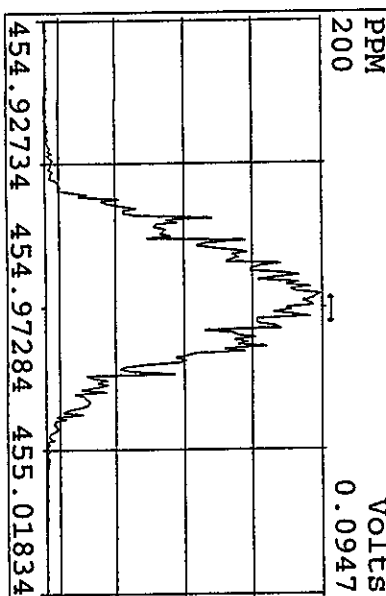
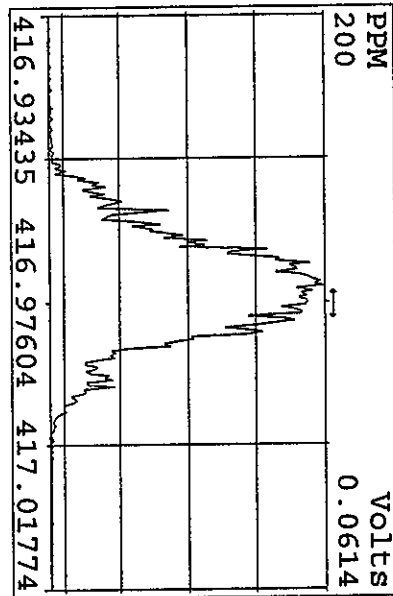
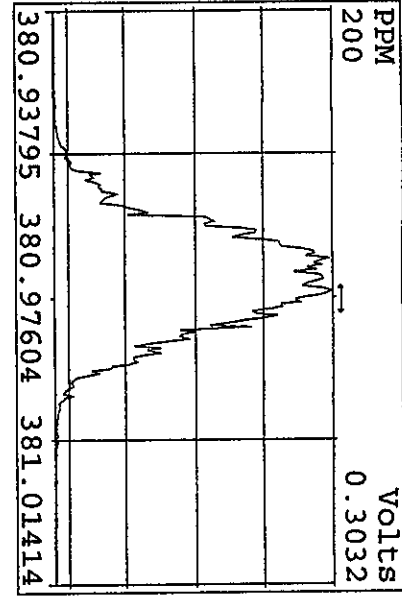
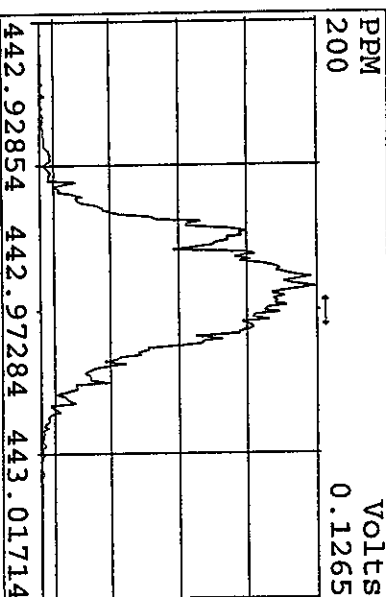
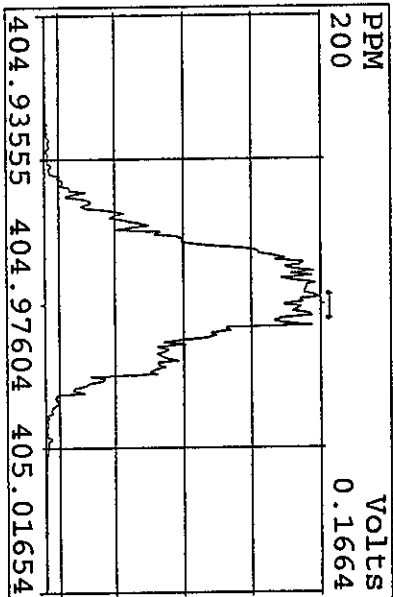
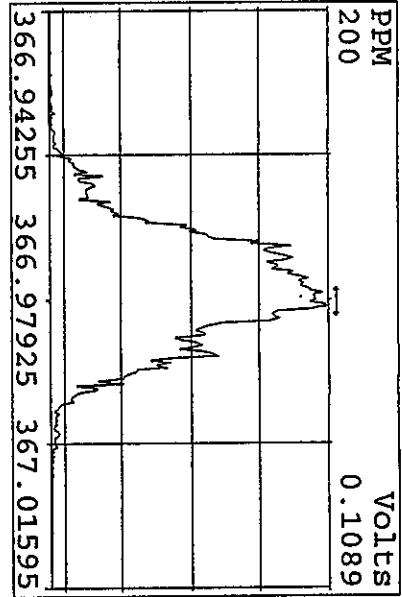
Peak Locate Examination: 28-MAR-2006:13:07 File:28MR068D5  
Experiment:DIOXIN Function:1 Reference:PFK



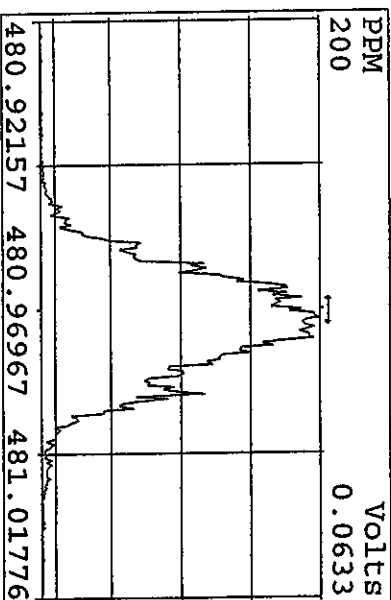
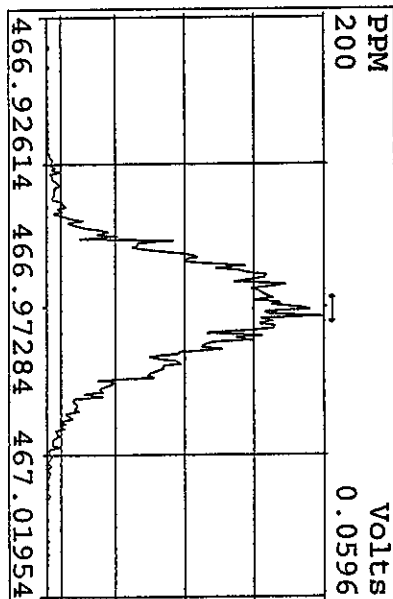
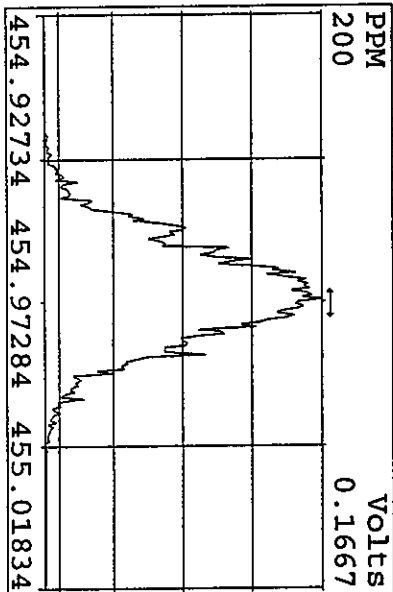
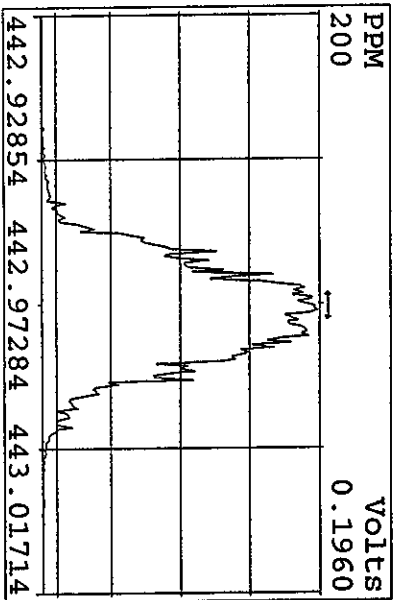
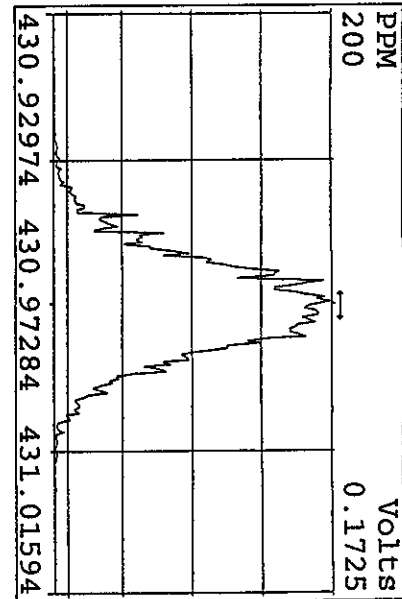
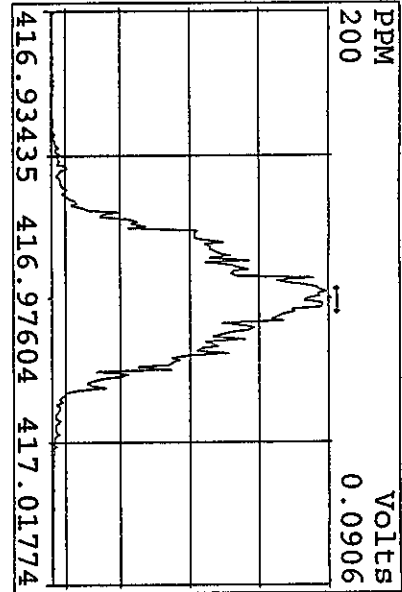
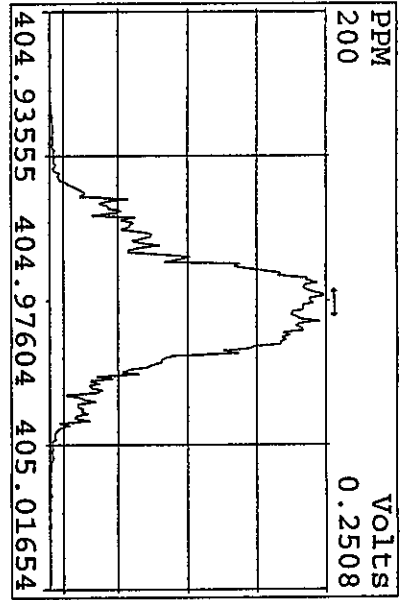
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 Experiment: DIOXIN Function: 2 Reference: PRK



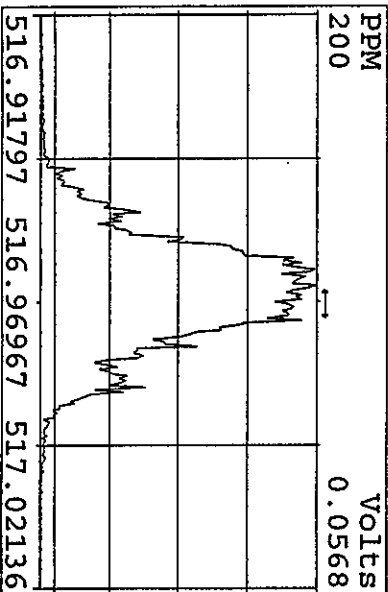
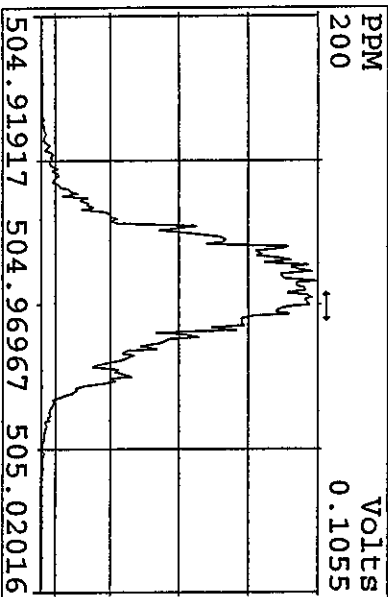
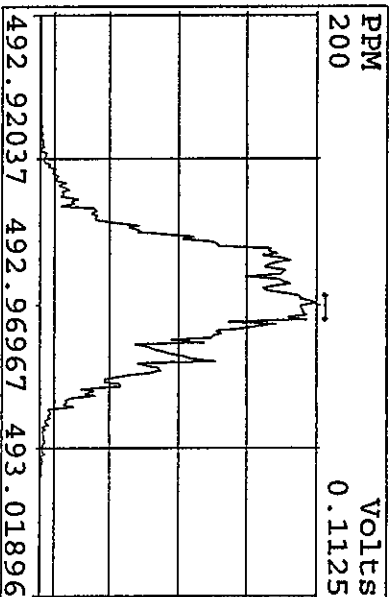
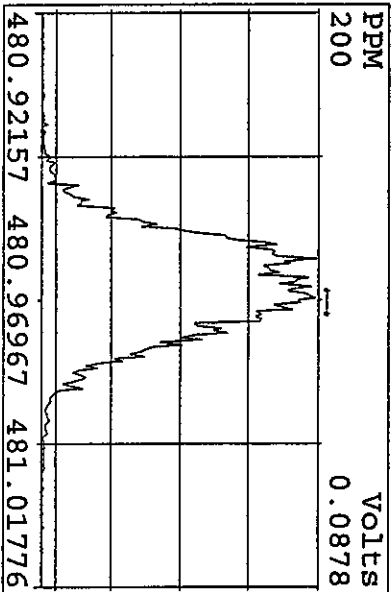
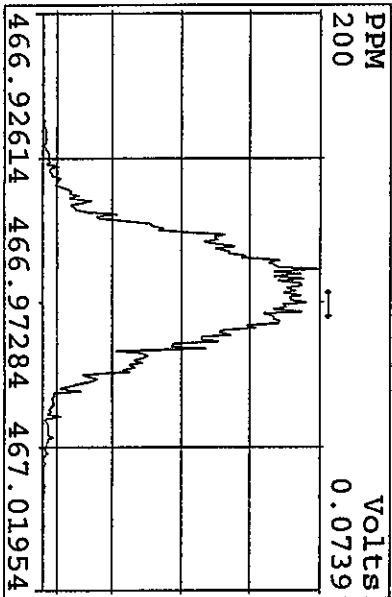
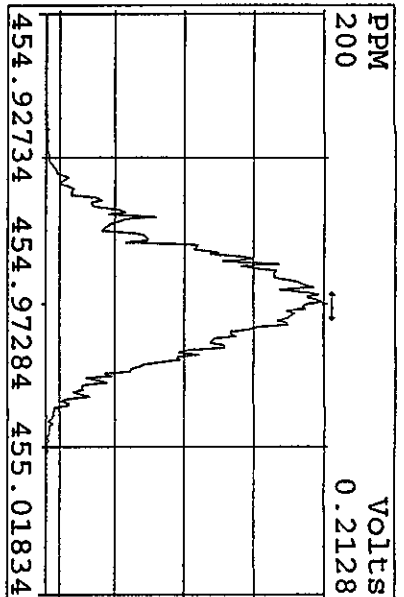
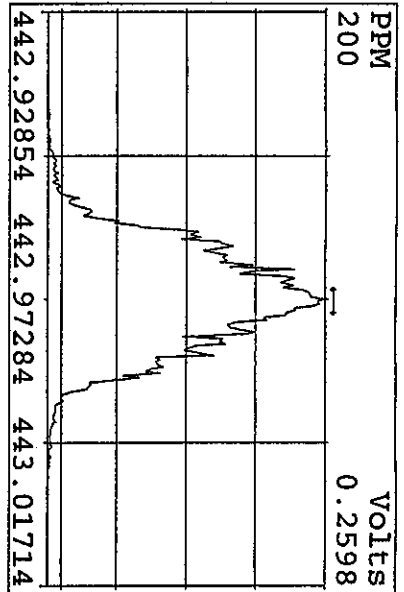
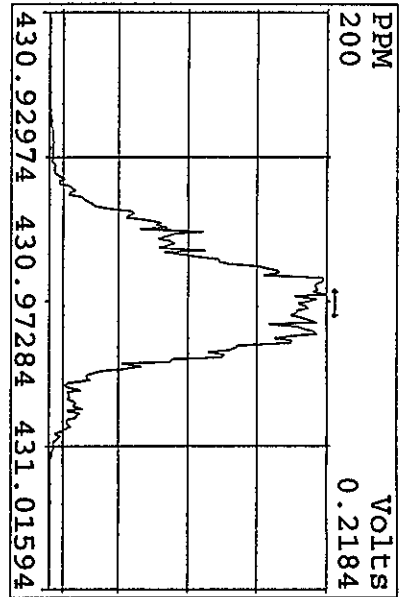
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 Experiment: DIOXIN Function: 3 Reference: PFK



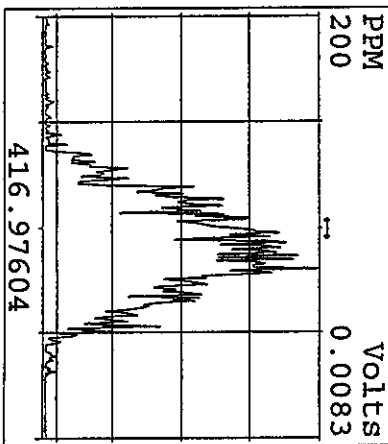
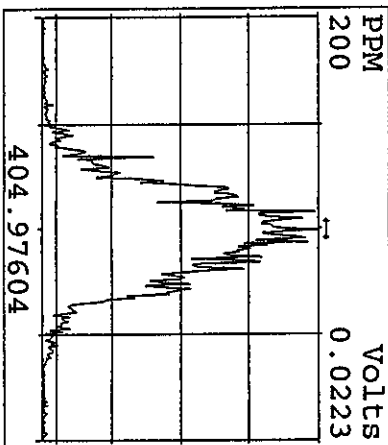
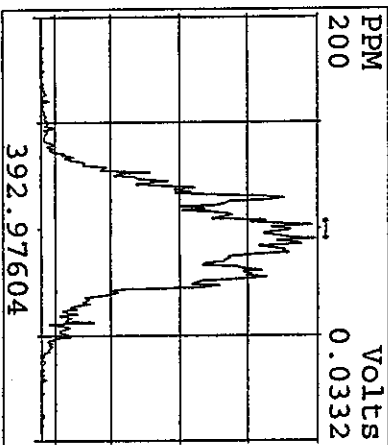
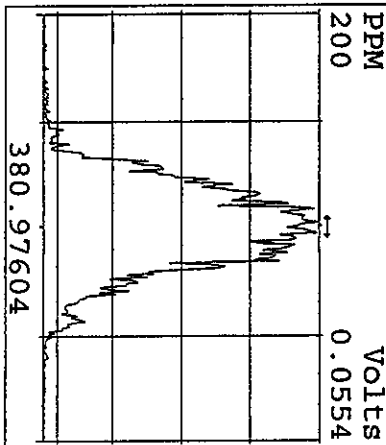
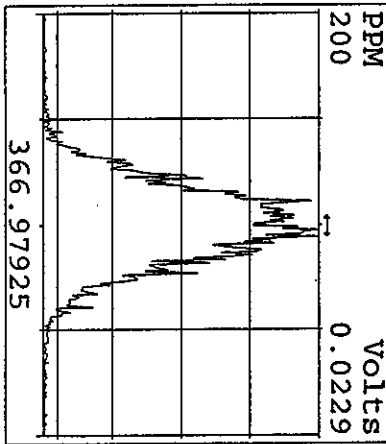
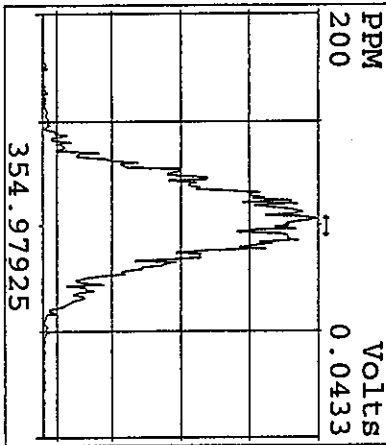
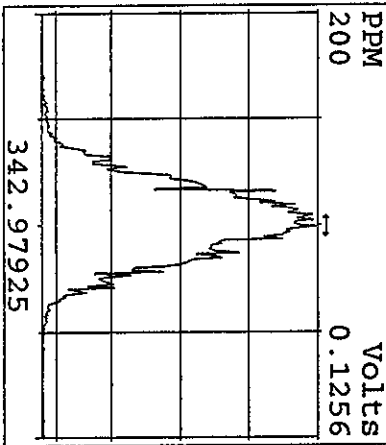
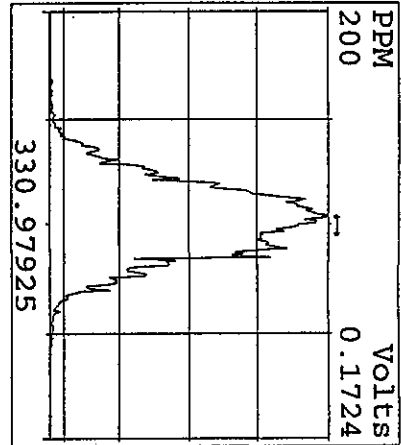
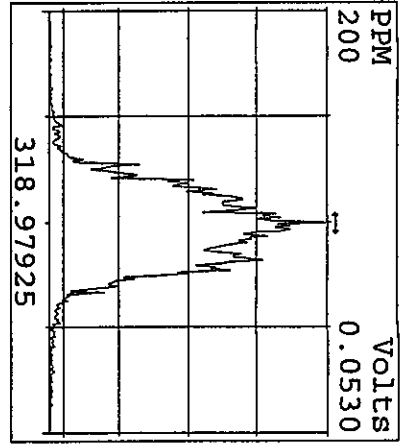
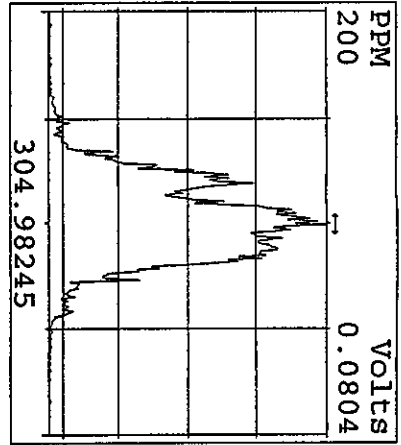
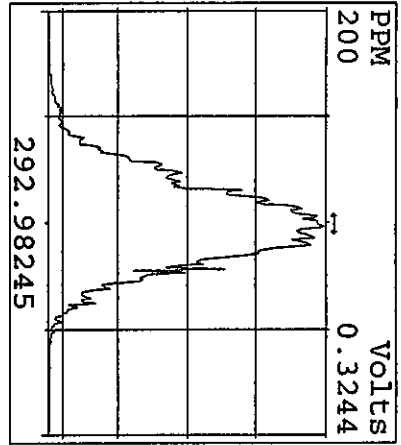
Peak Locate Examination: 28-MAR-2006: 13:09 File: 28MR068D5  
 Experiment: DIOXIN Function: 4 Reference: PFK



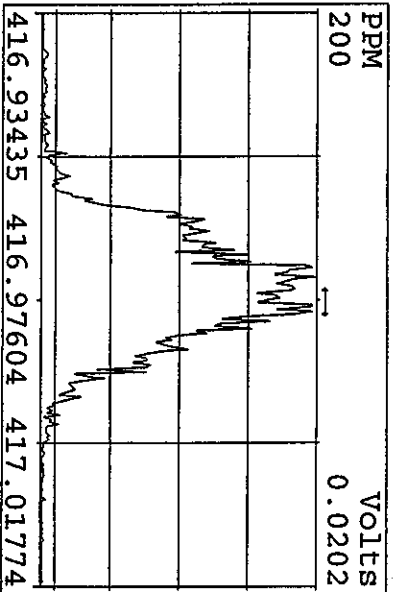
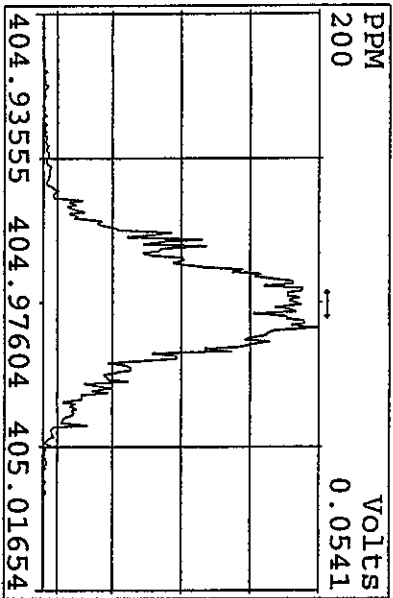
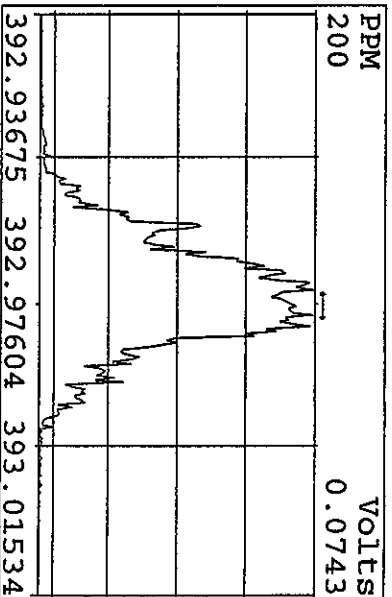
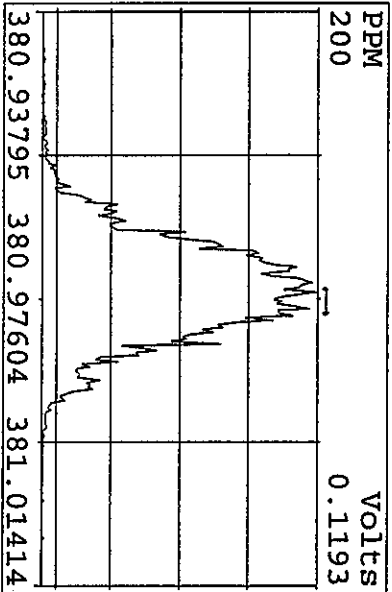
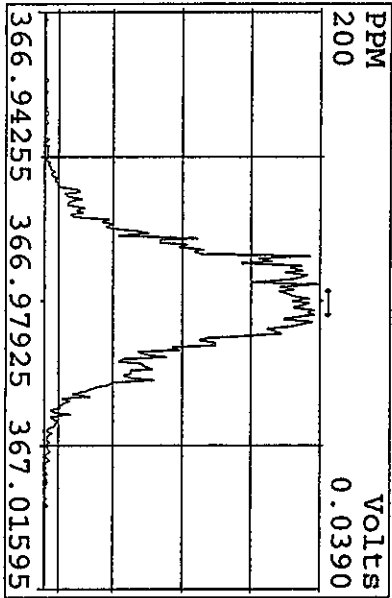
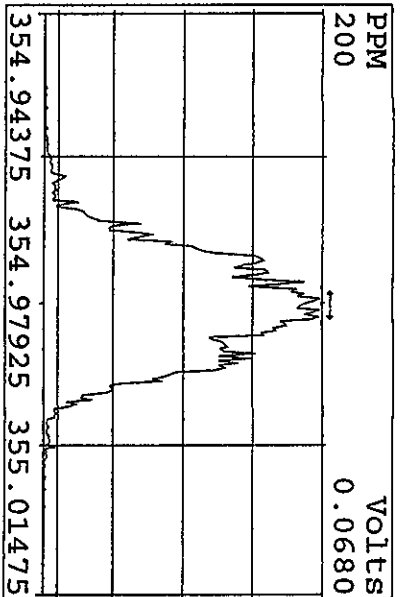
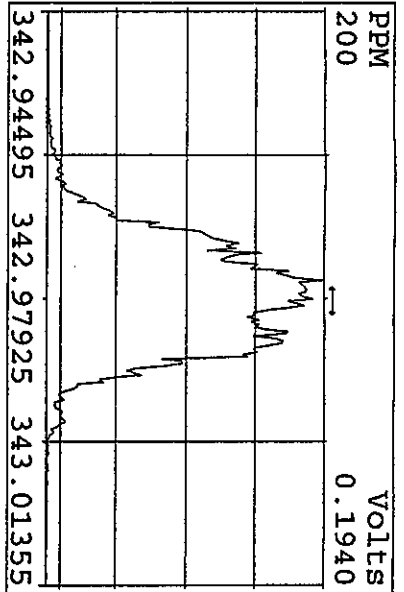
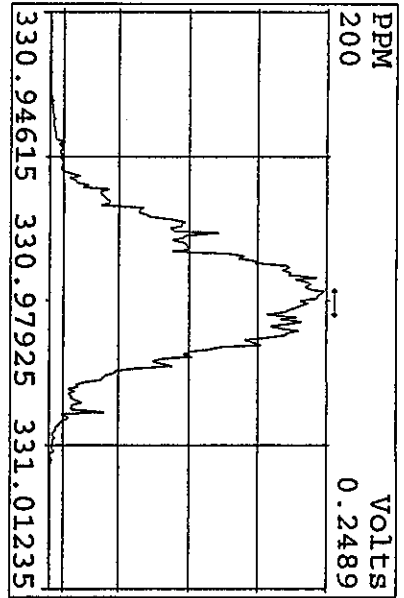
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 Experiment: DIOXIN Function: 5 Reference: PFK



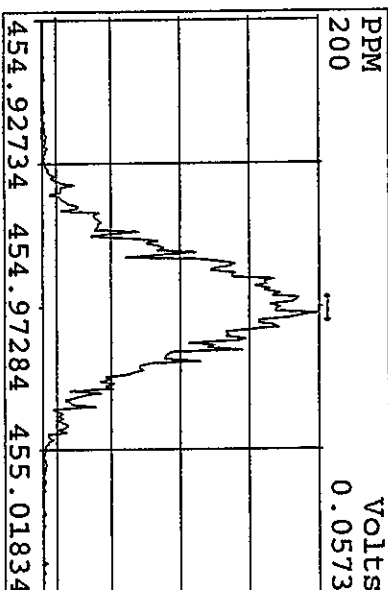
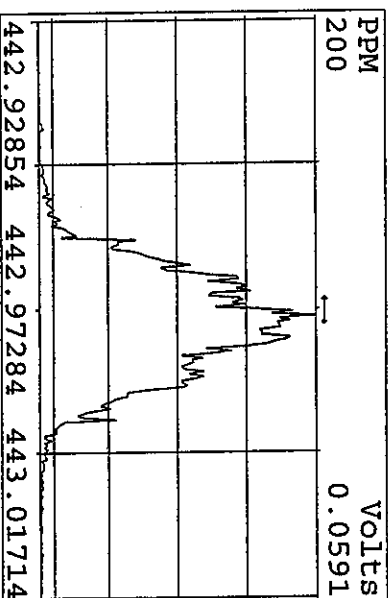
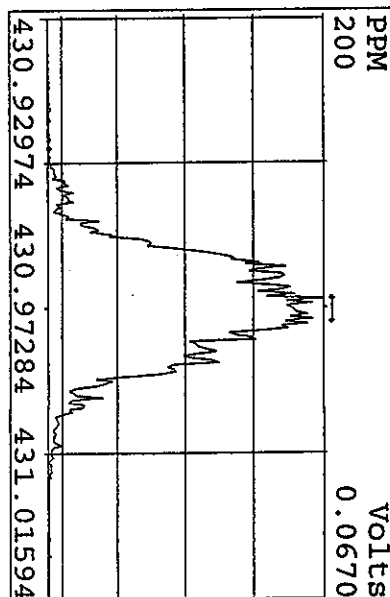
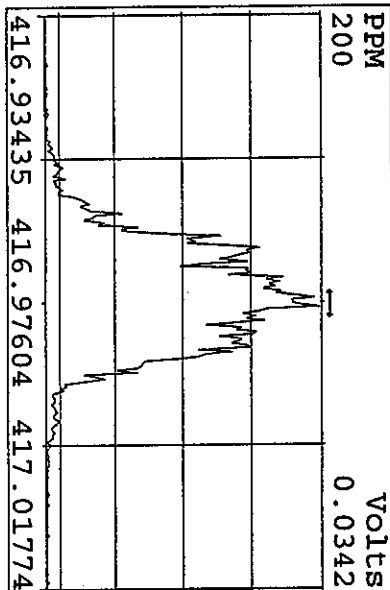
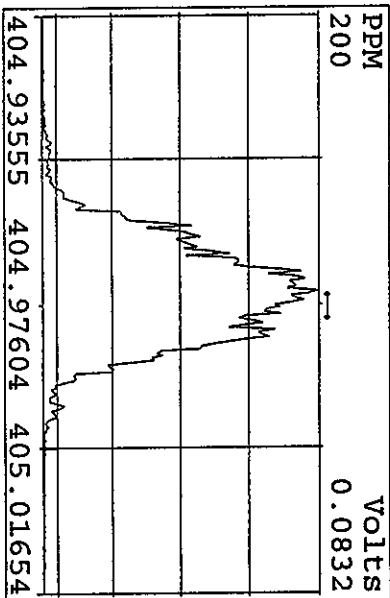
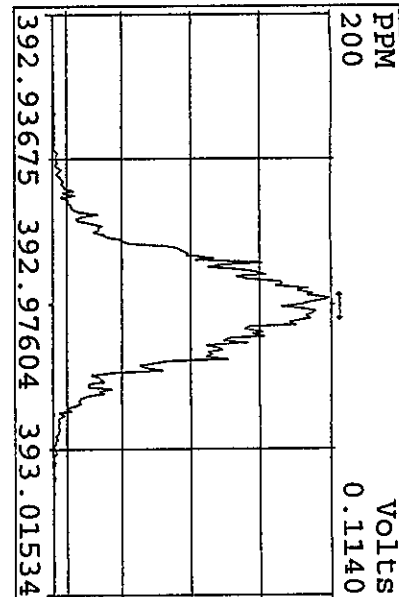
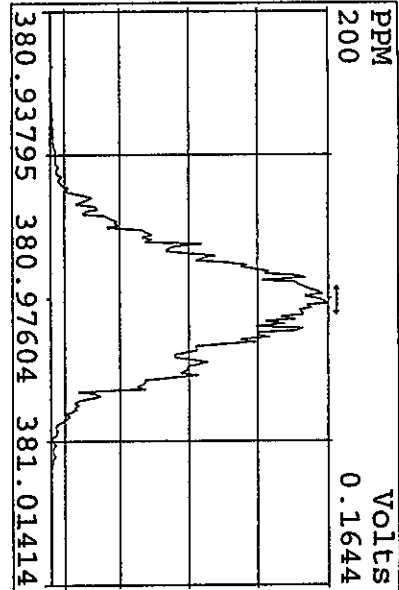
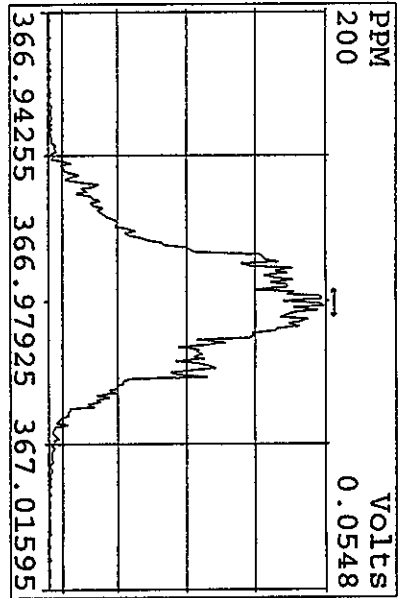
Peak Locate Examination: 28-MAR-2006:19:12 File: ENDRSCHK28MR068D5  
Experiment: DIOXIN Function: 1 Reference: PFK



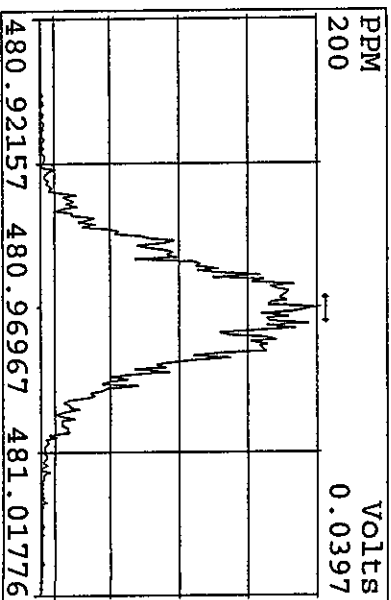
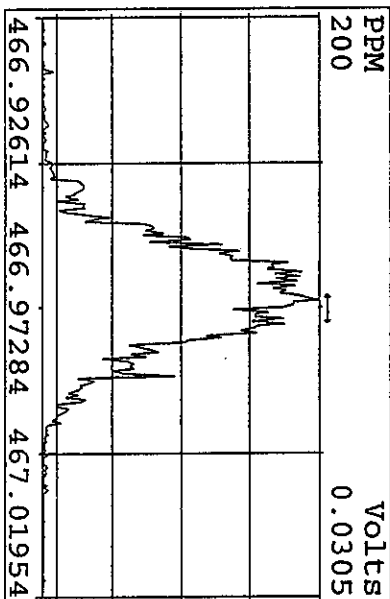
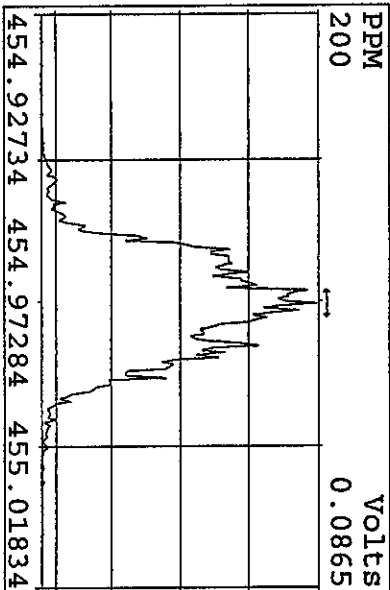
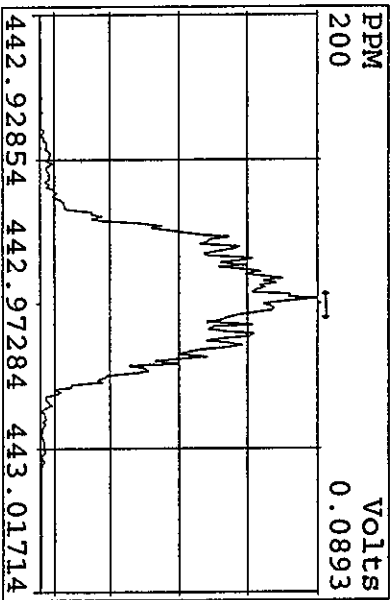
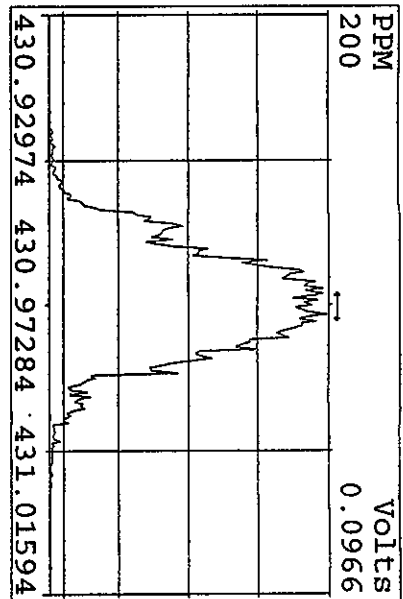
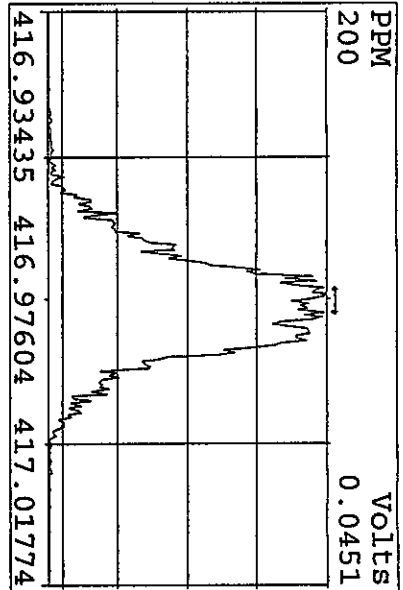
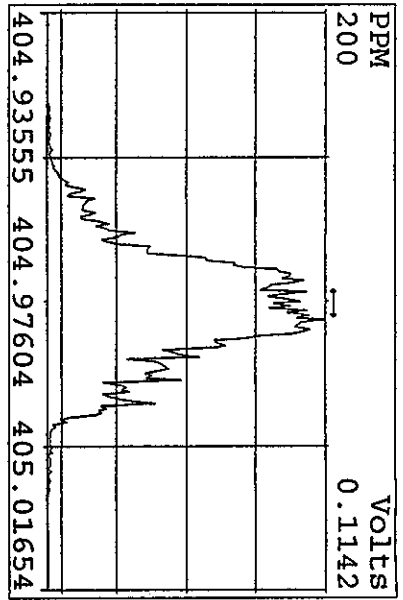
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 Experiment: DIOXIN Function: 2 Reference: PFK



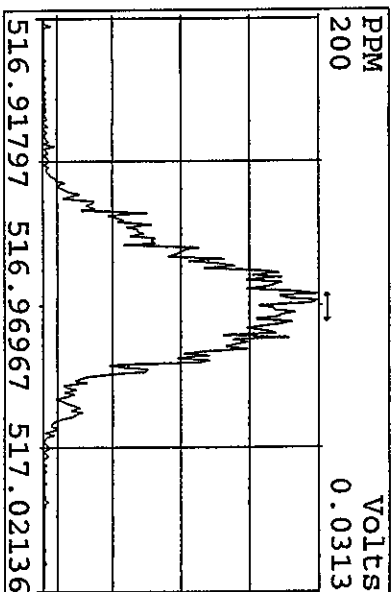
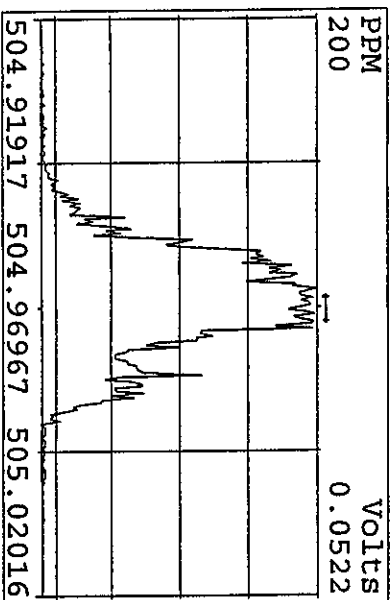
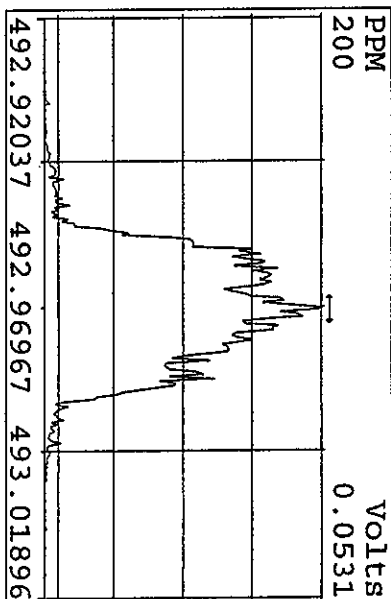
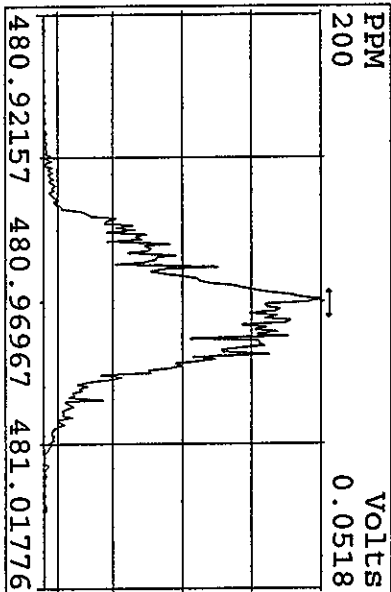
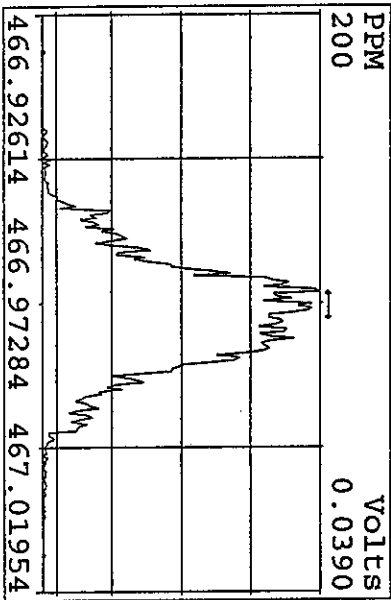
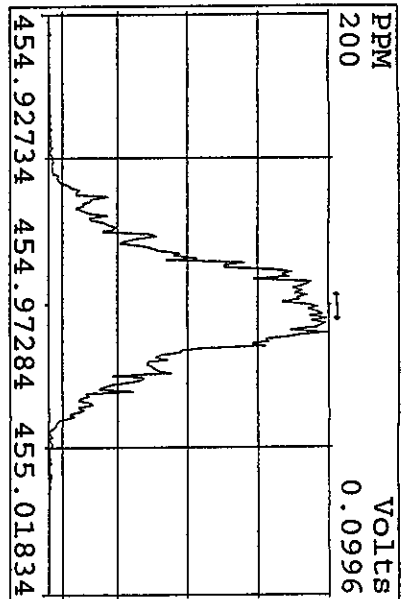
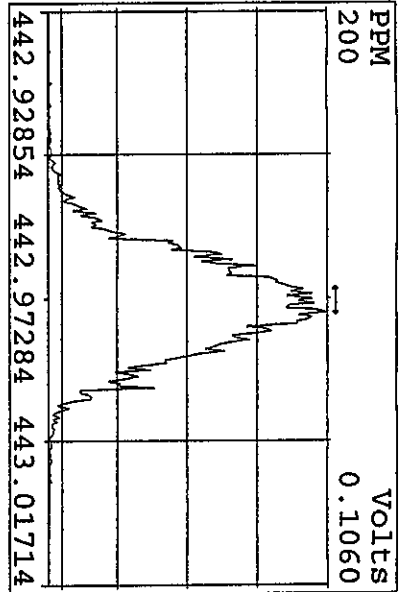
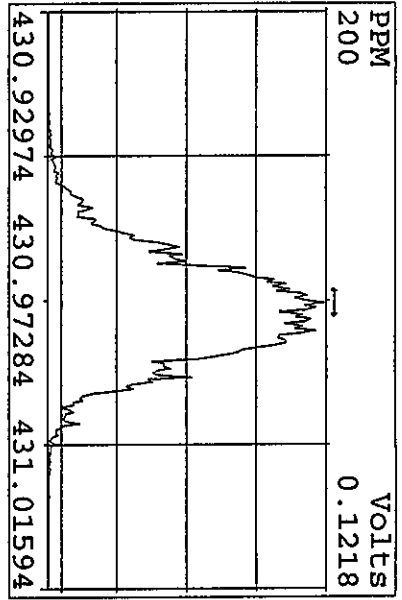
Peak Locate Examination: 28-MAR-2006:19:13 File: ENDRSCHK28MR068D5  
 Experiment: DIOXIN Function: 3 Reference: PFK



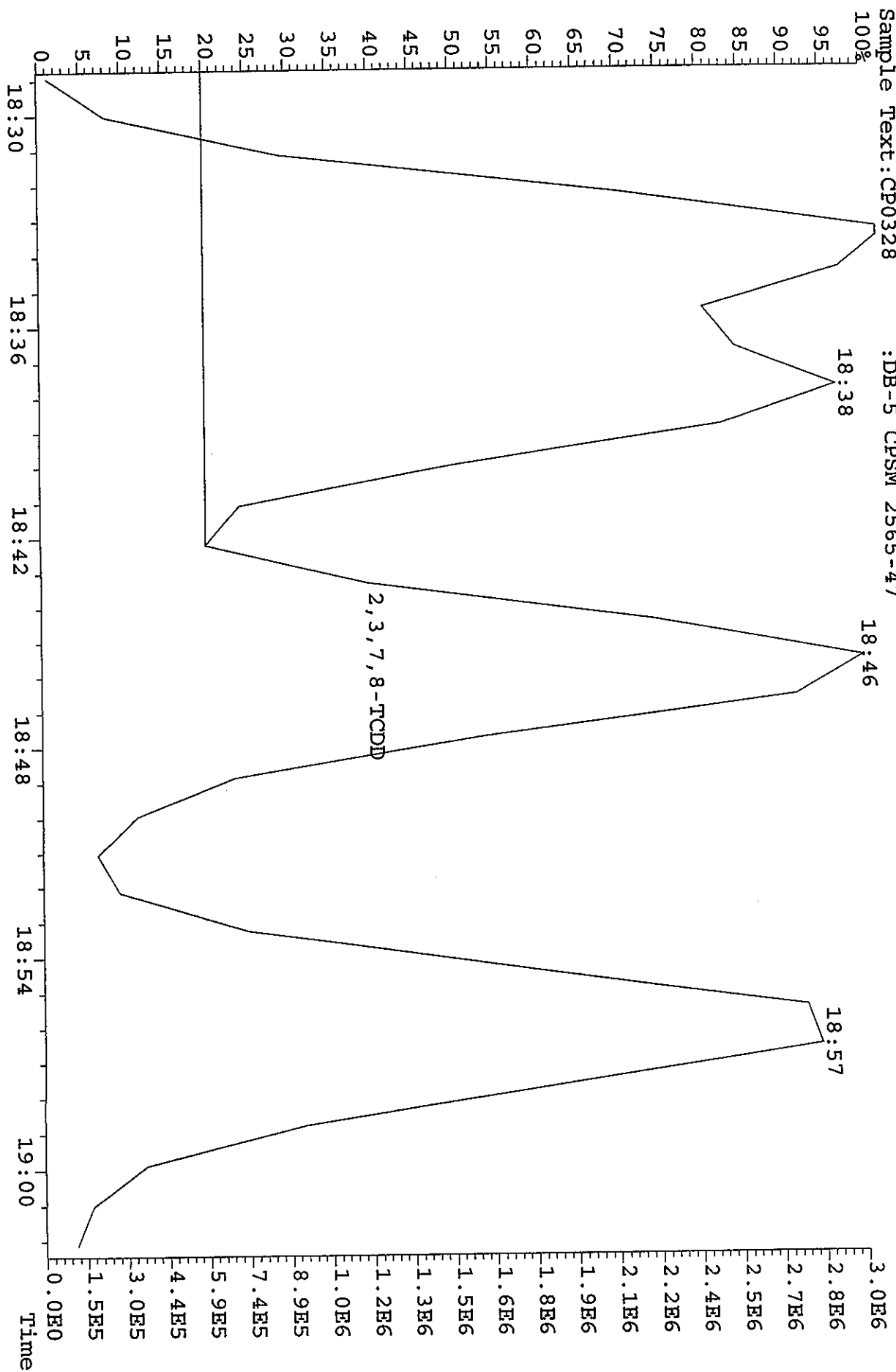
Peak Locate Examination: 28-MAR-2006:19:13 File: ENDRSCHK28MR068D5  
 Experiment: DIOXIN Function: 4 Reference: PFK



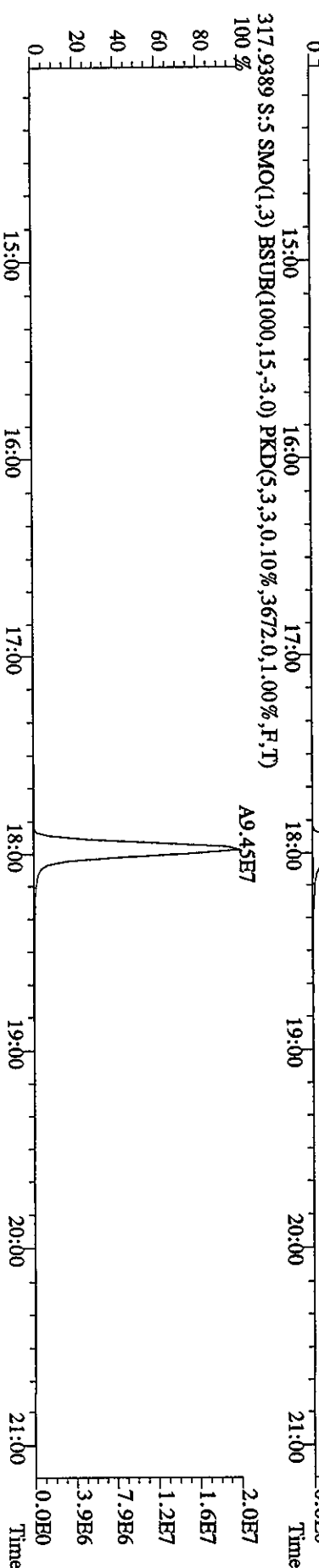
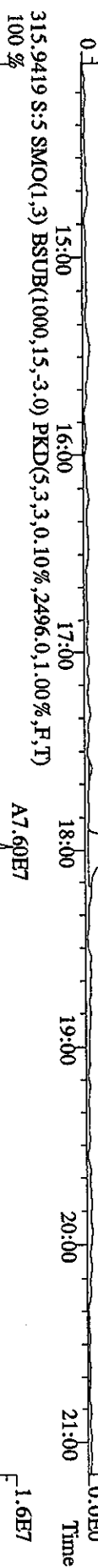
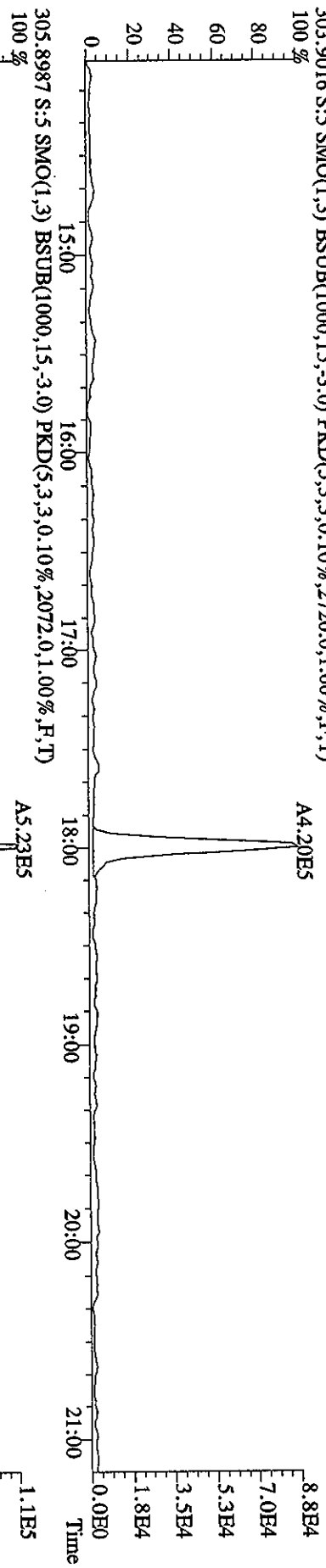
Peak Locate Examination: 28-MAR-2006:19:14 File: ENDRSCHK28MR068D5  
 Experiment: DIOXIN Function: 5 Reference: PFK



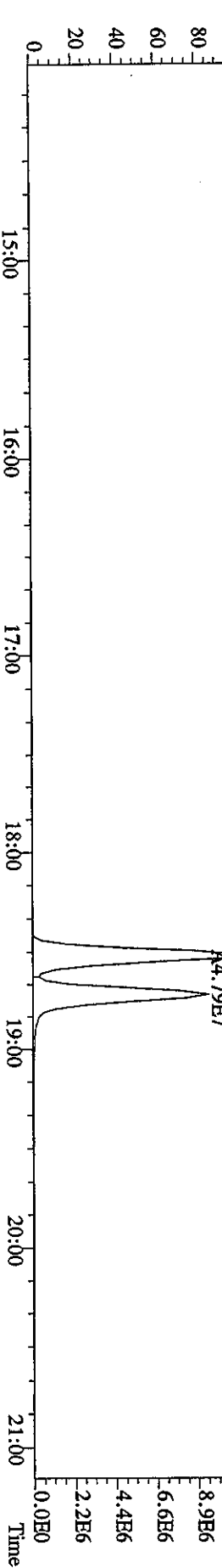
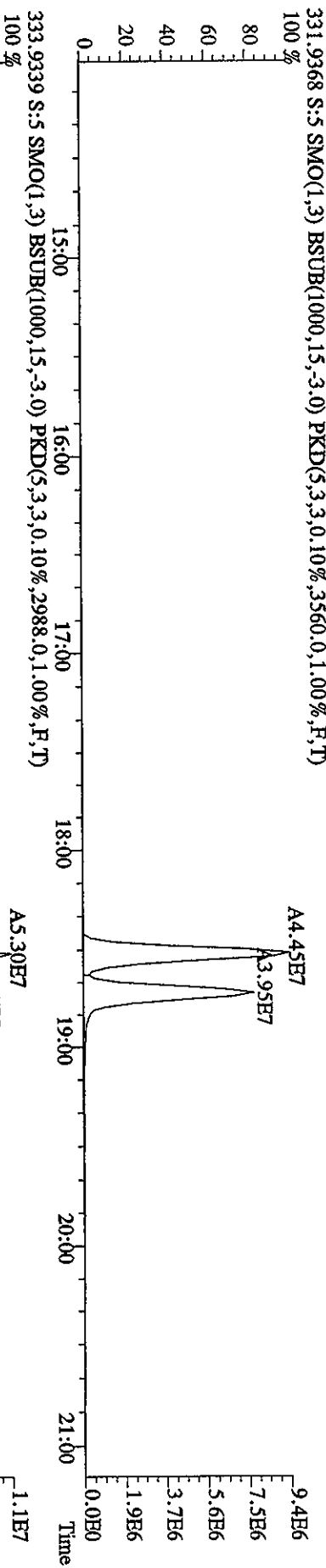
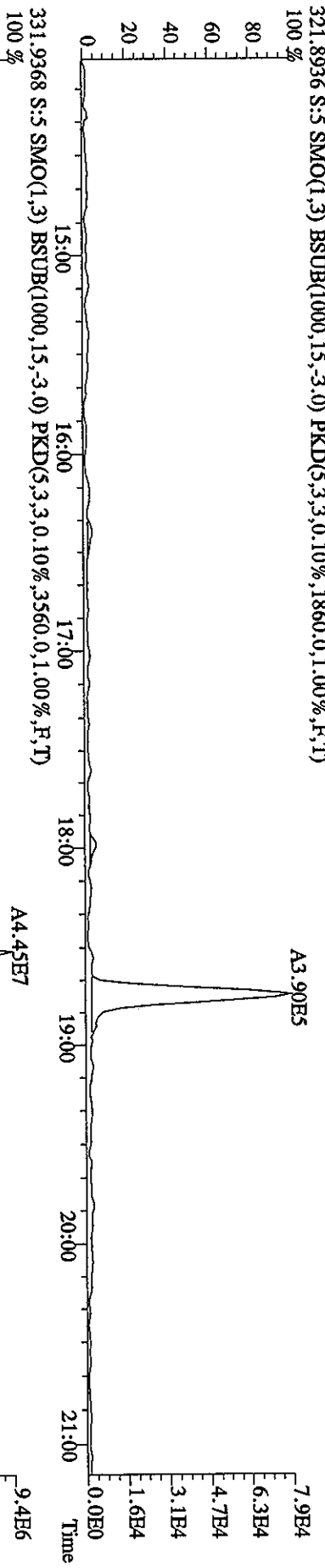
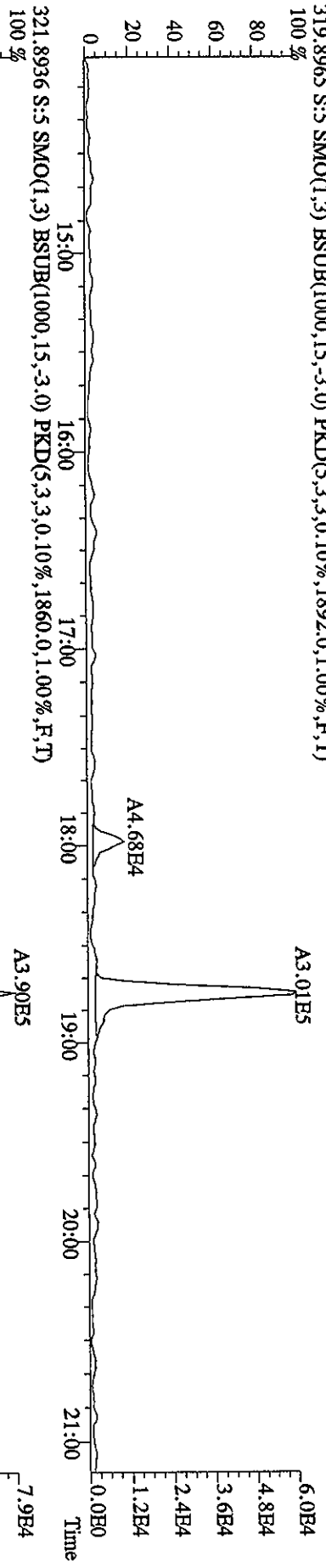
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE  
 321.8936 S: 2 BSUB(128,15,-3.0) Exp: DIOXIN Noise: 577  
 Sample Text: CP0328 : DB-5 CPSM 2565-47



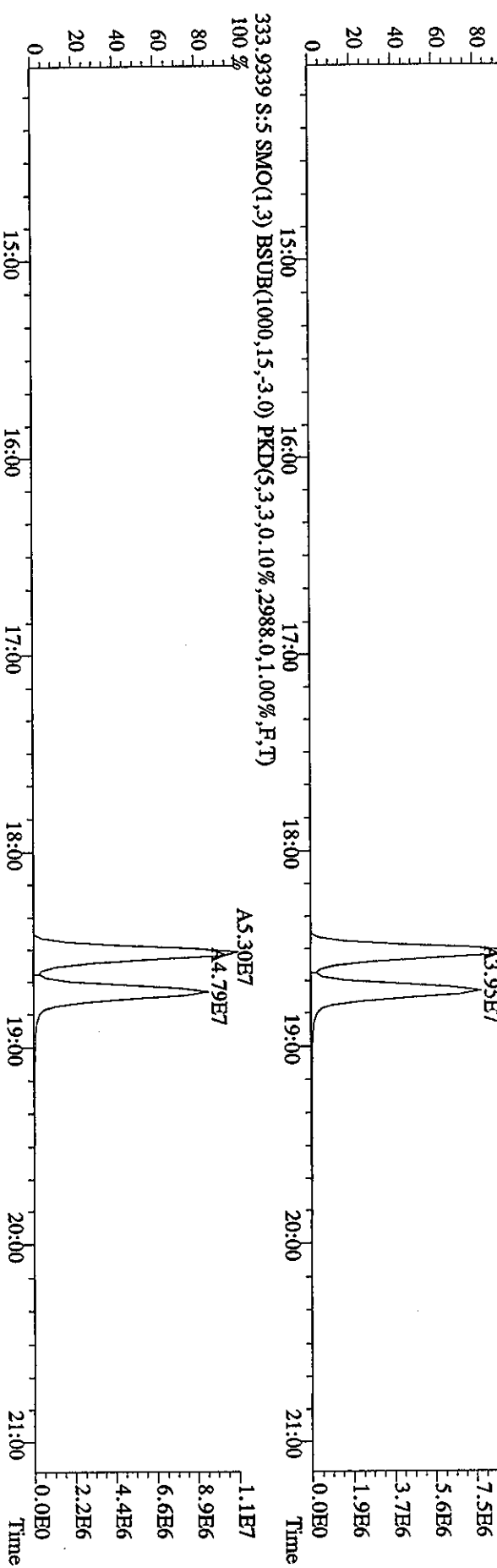
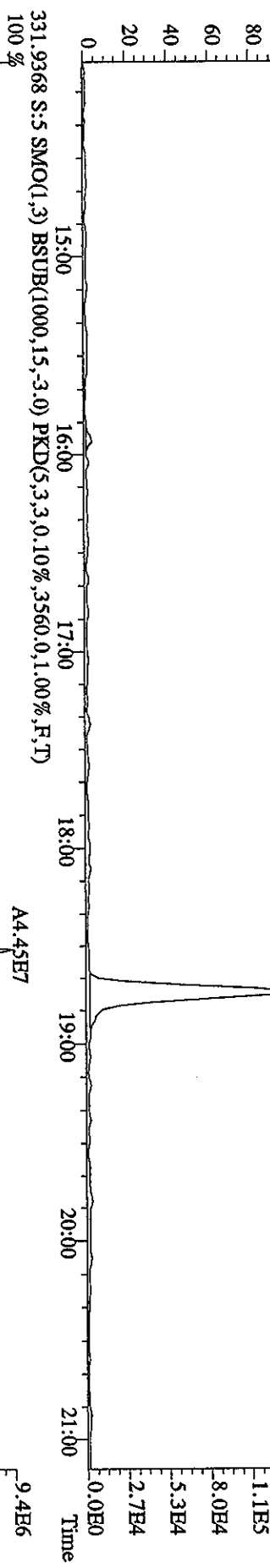
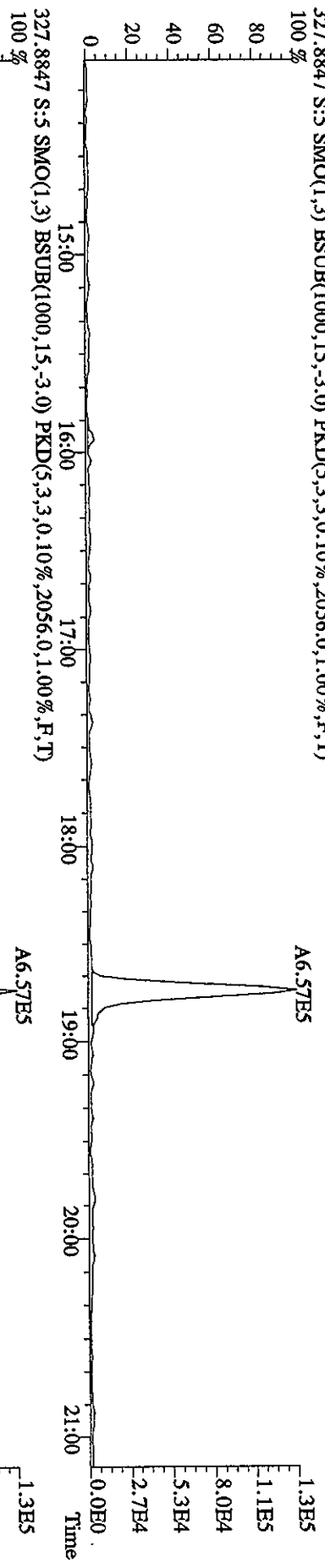
File:28MR068D5 #1-388 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2720,0,1,00%,F,T)  
 100 %



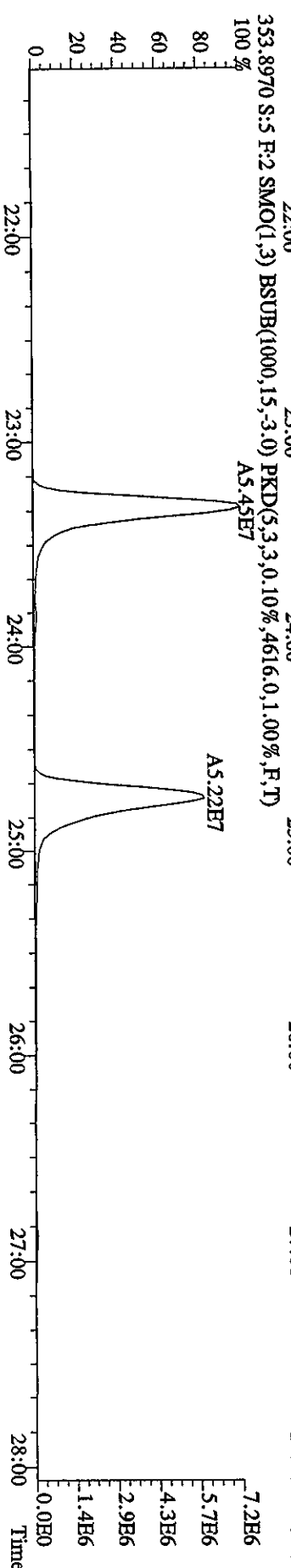
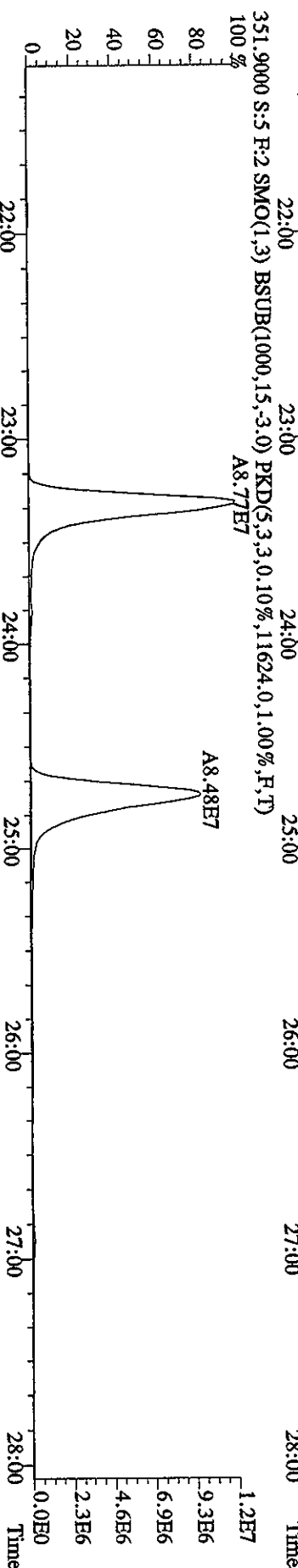
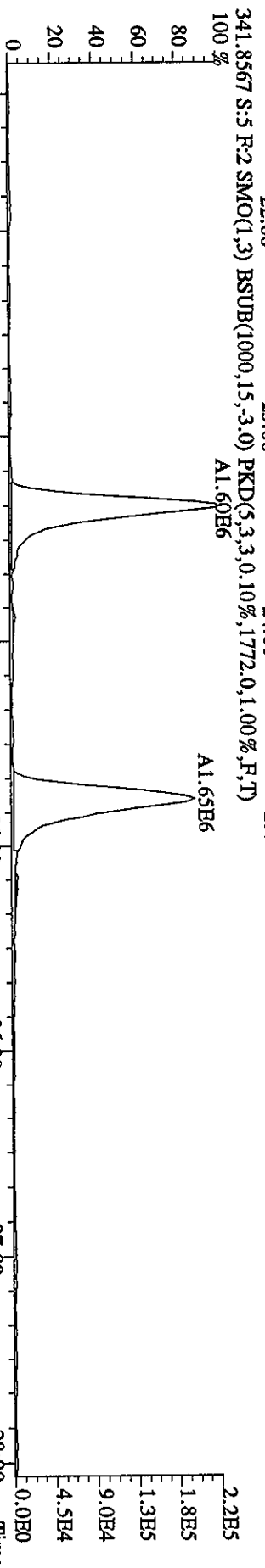
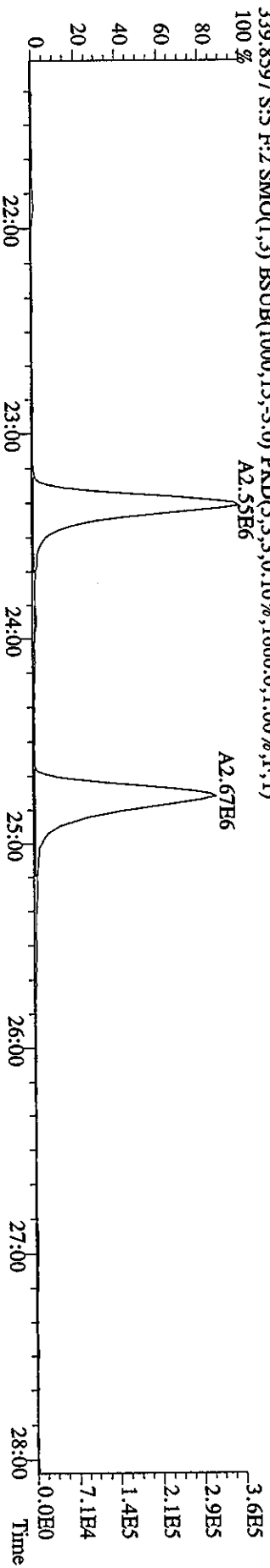
File:28MR068D5 #1-388 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltraE  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1892.0,1.00%,F,T)  
 100 %



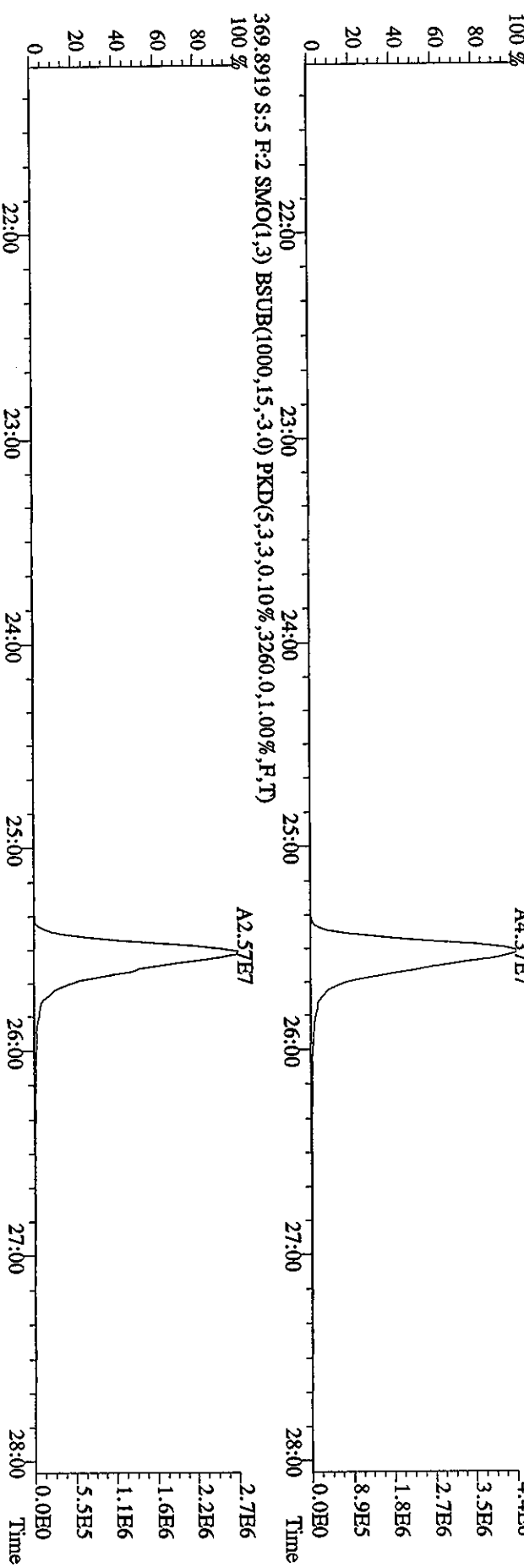
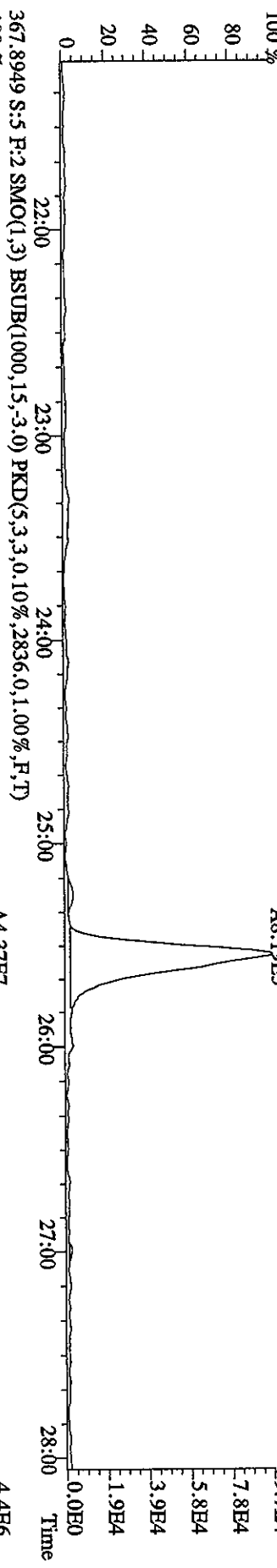
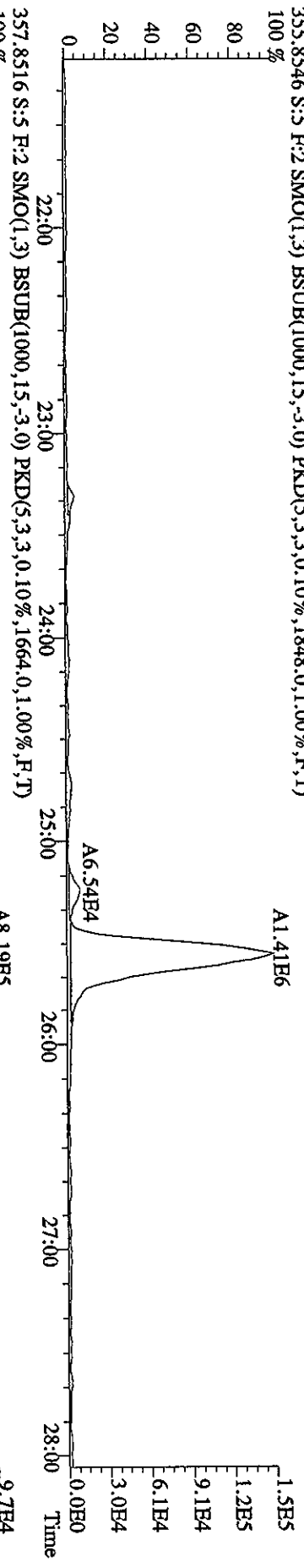
File:28MR068D5 #1-388 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2056,0,1.00%,F,T)  
 100%



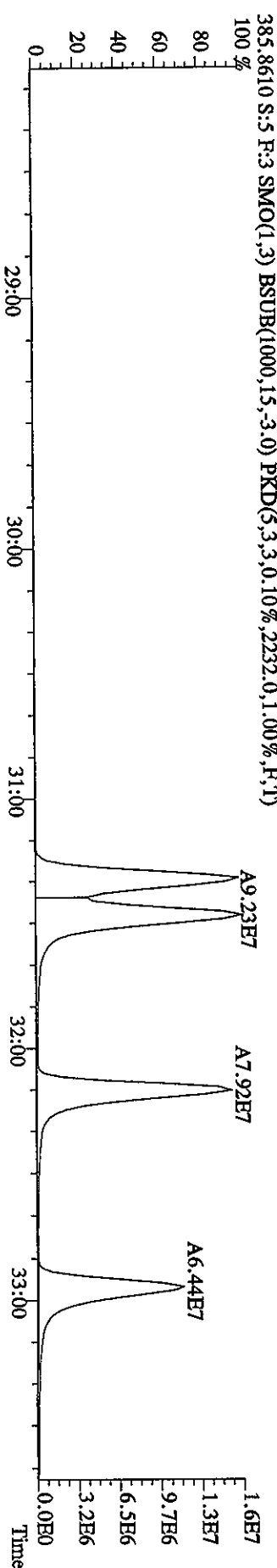
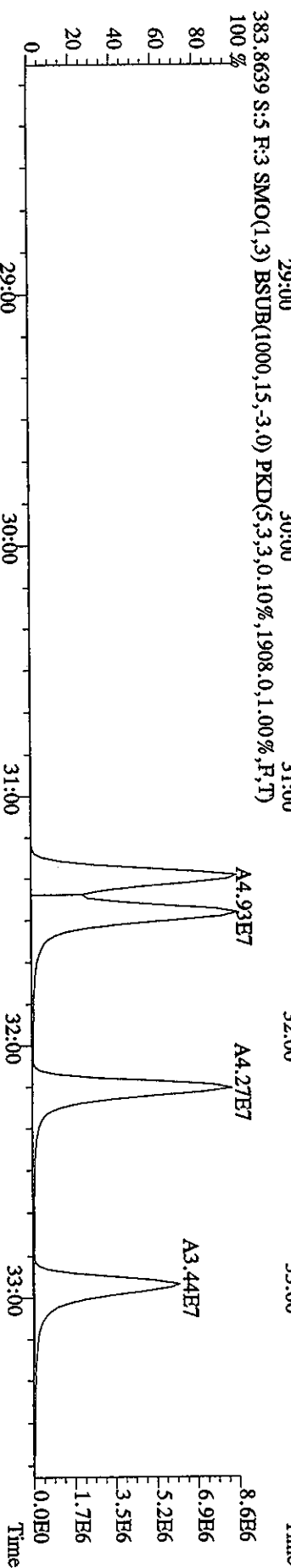
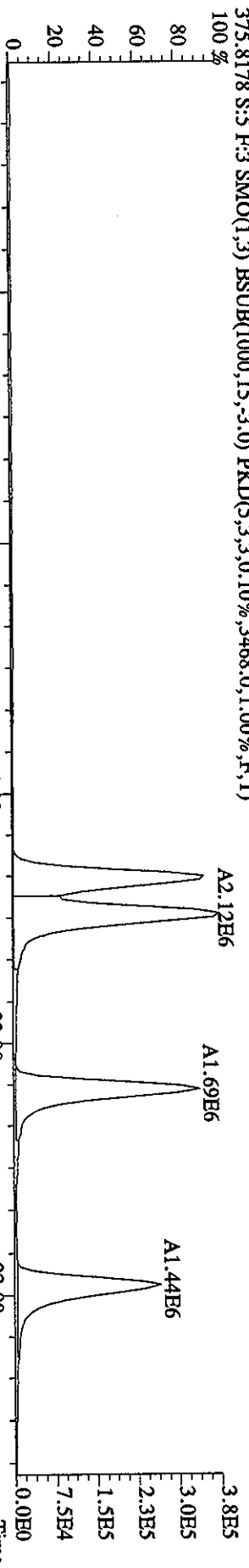
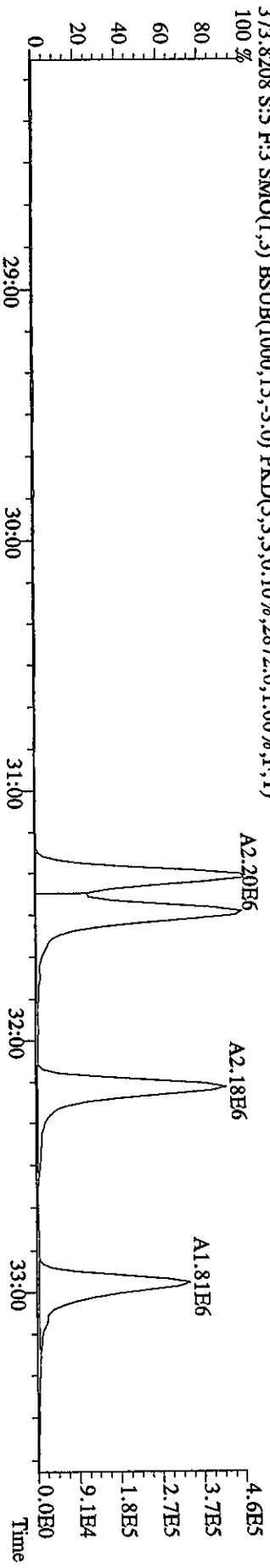
File:28MR068D5 #1-484 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)  
 100% A2.55B6



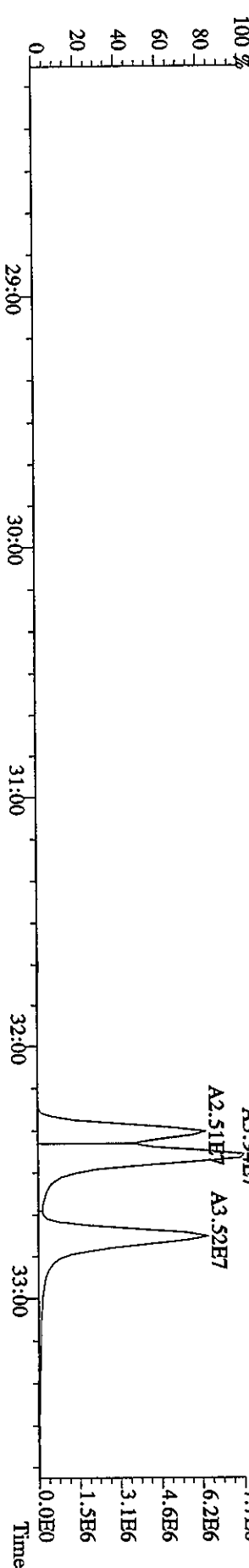
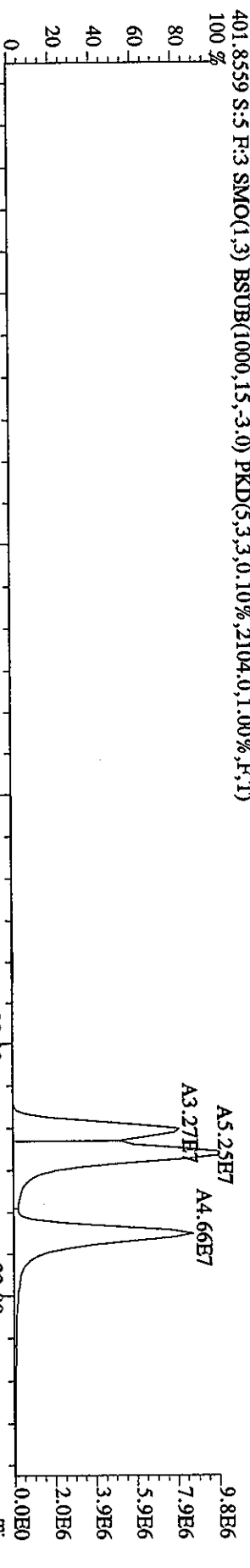
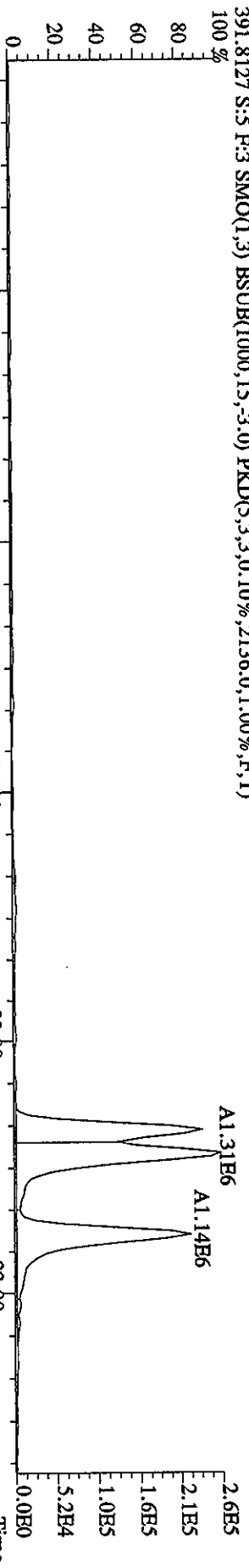
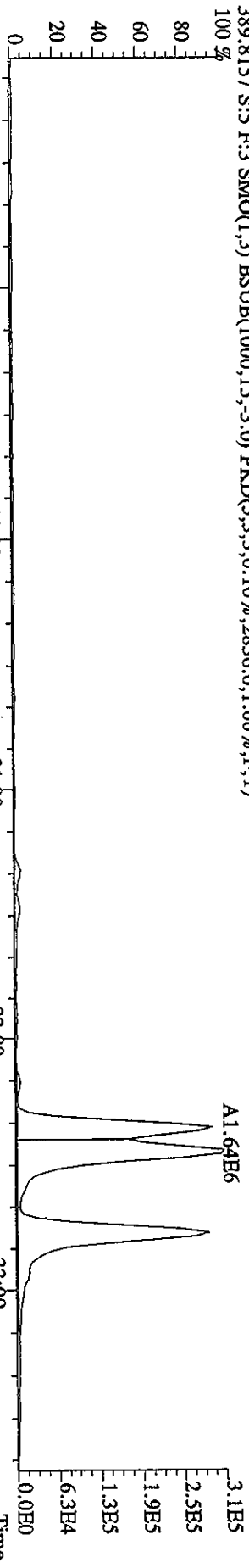
File:28MR068D5 #1-484 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1848.0,1.00%,F,T)  
100 %



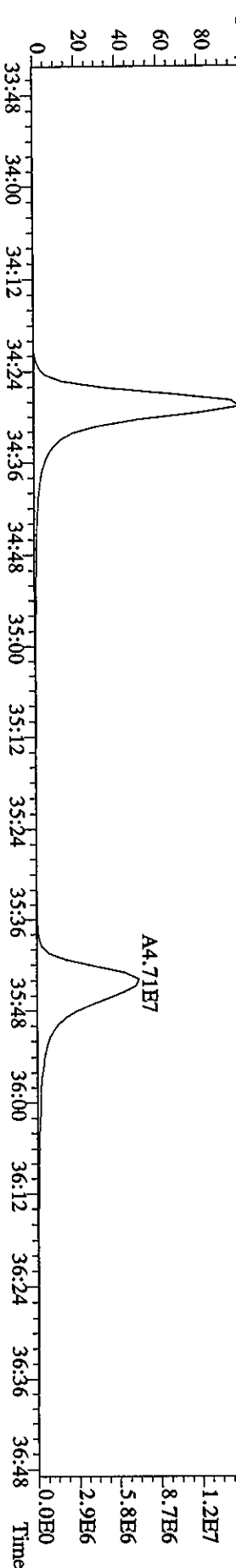
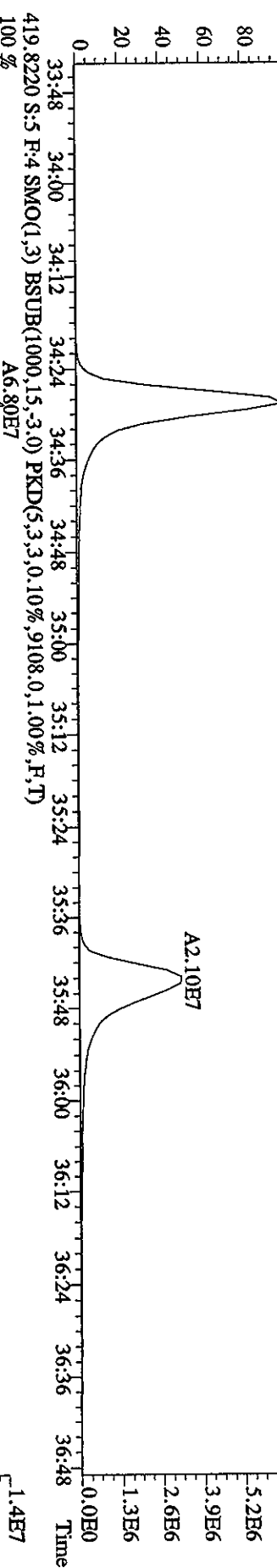
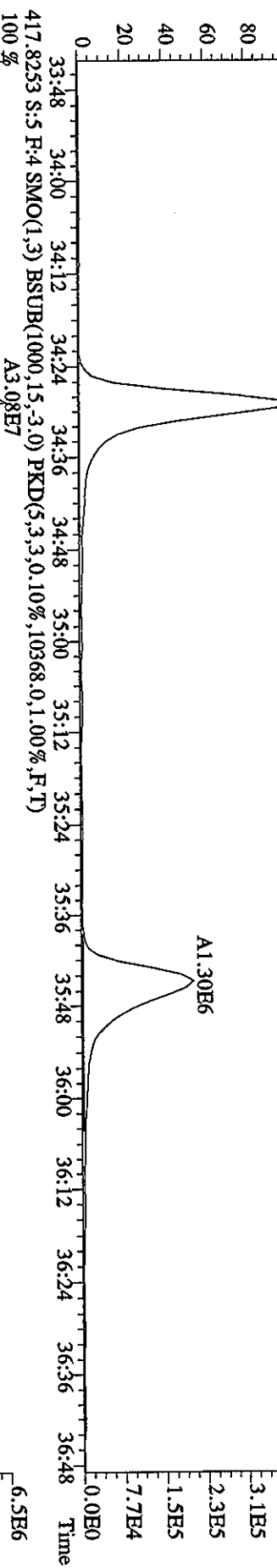
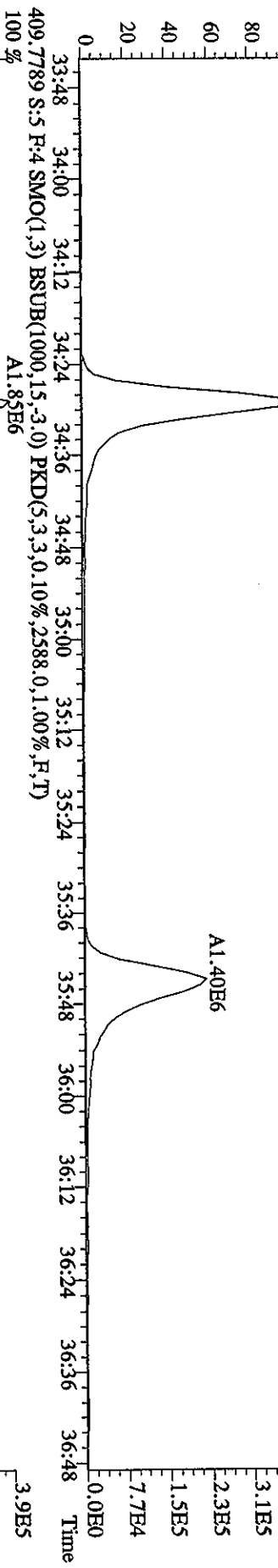
File:28MR068D5 #1-378 Acq:28-MAR-2006 15:58:35 GC HI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Tex:ST0328C :CSI 2565-41A Exp:DIOXIN  
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2872.0,1.00%,F,T)  
 100 %



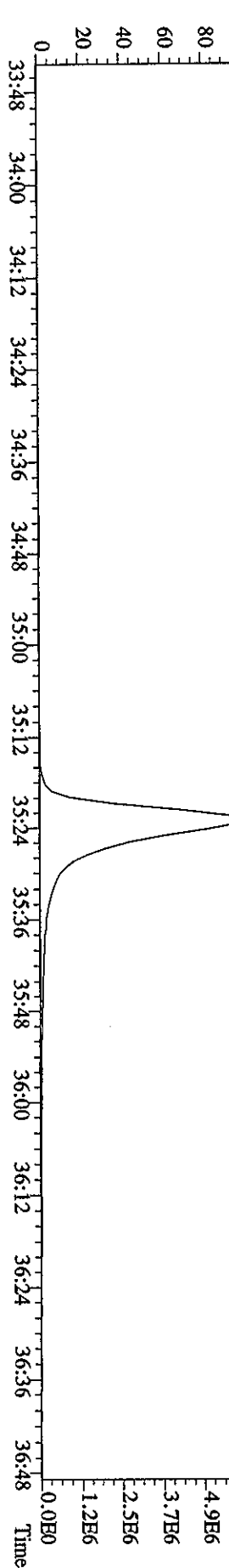
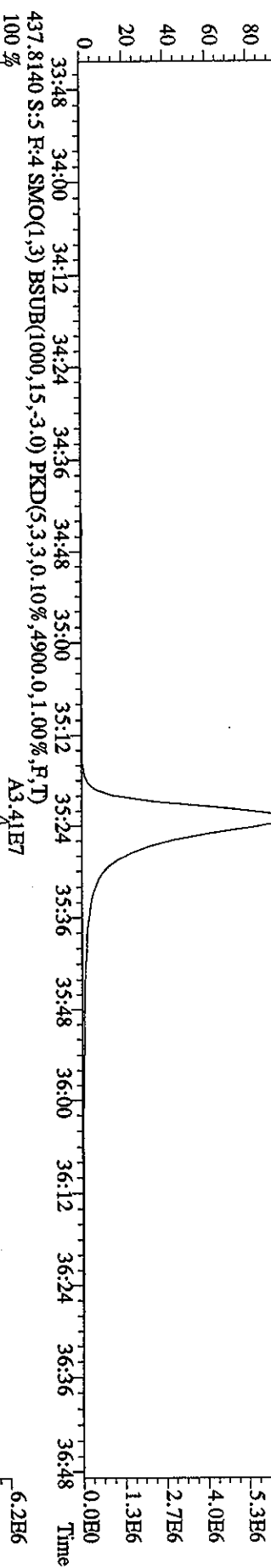
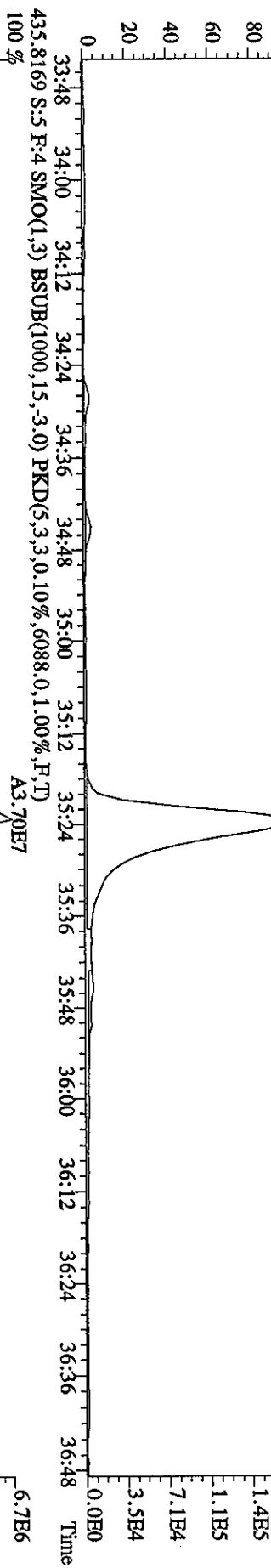
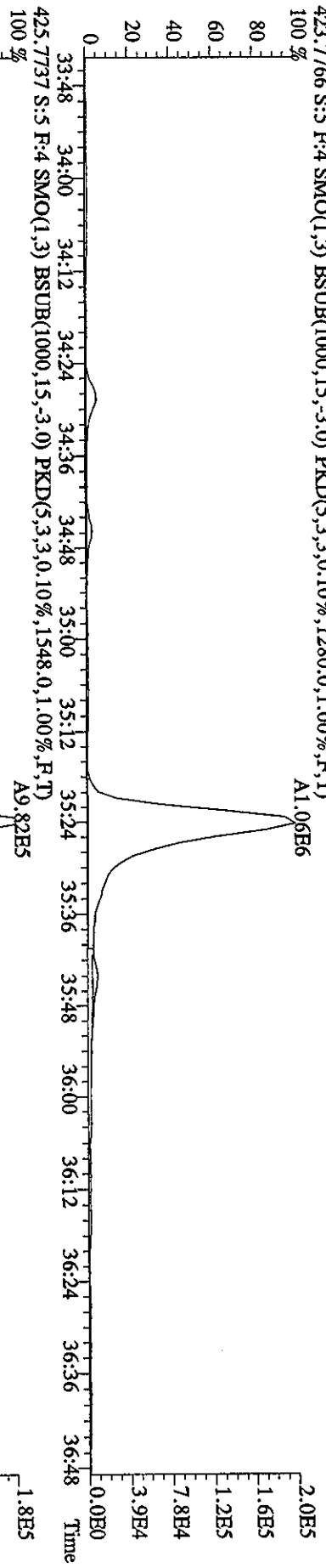
File:28MR068D5 #1-378 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage S1R Autospec-UltimaB  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836.0,1.00%,F,T)  
 100 %



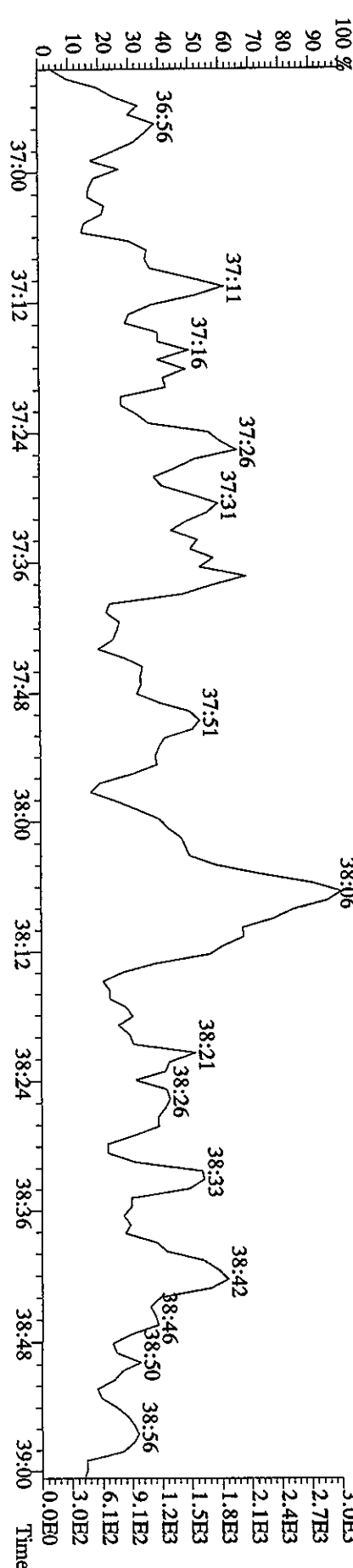
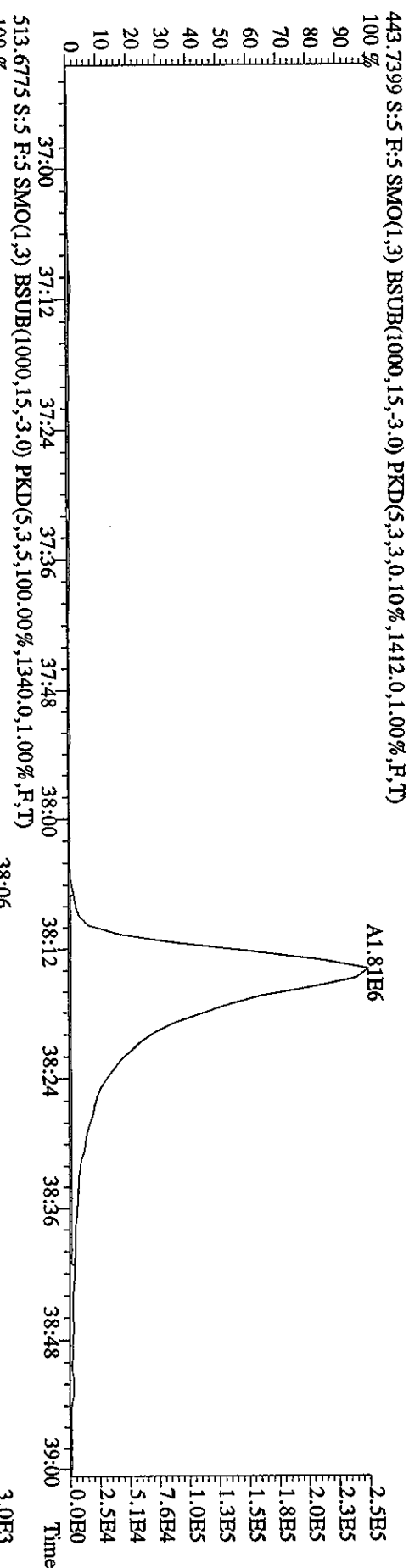
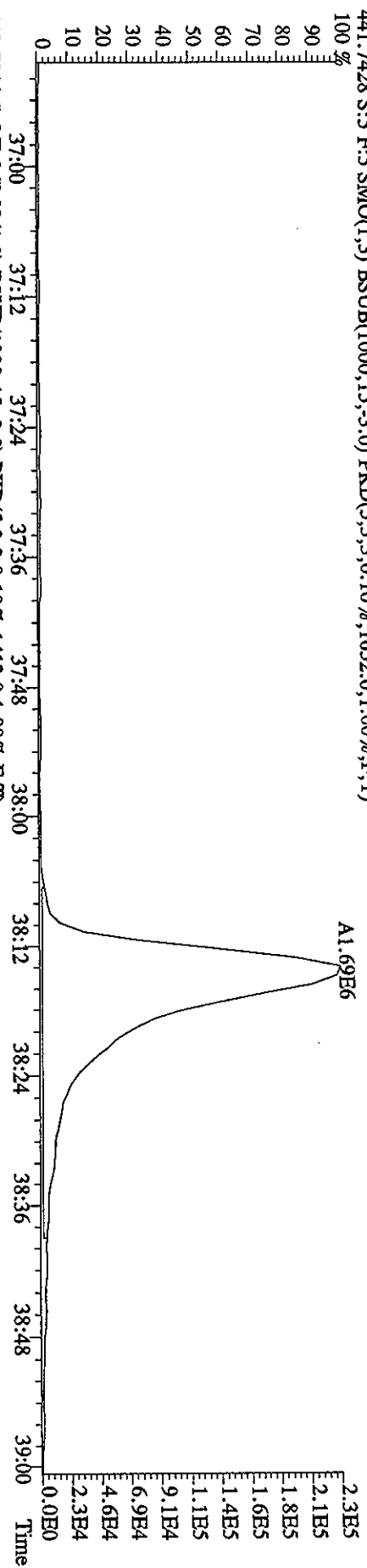
File:28MR068D5 #1-217 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1464.0,1.00%,F,T)  
 100% A1.89E6



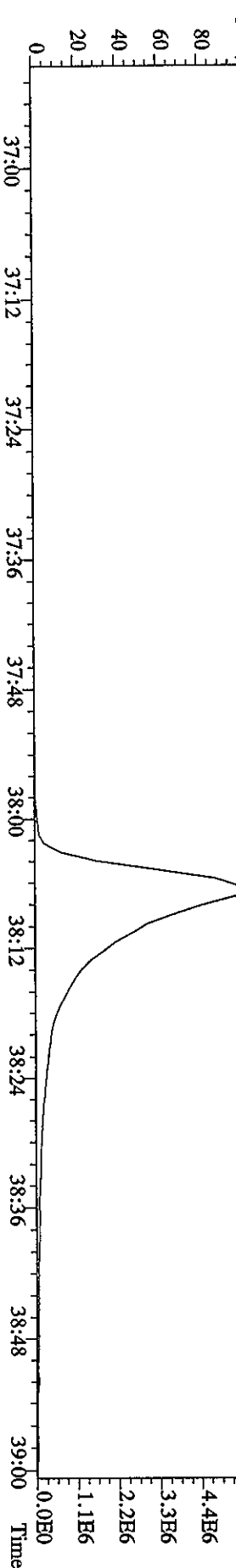
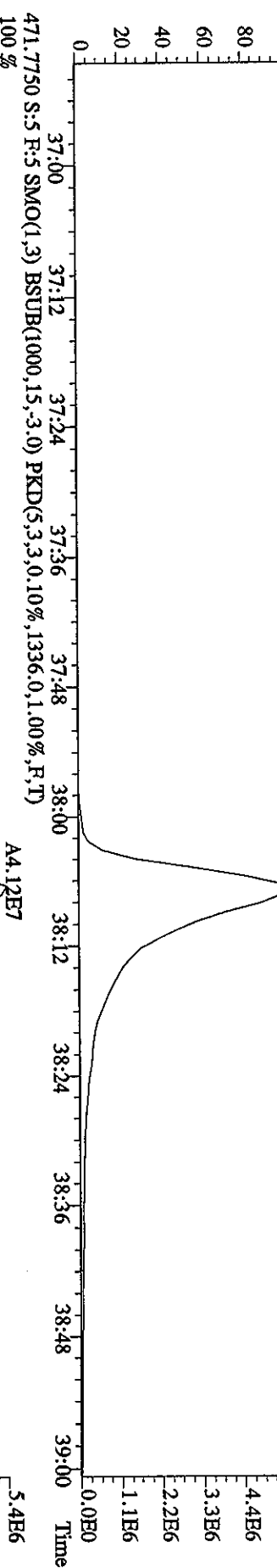
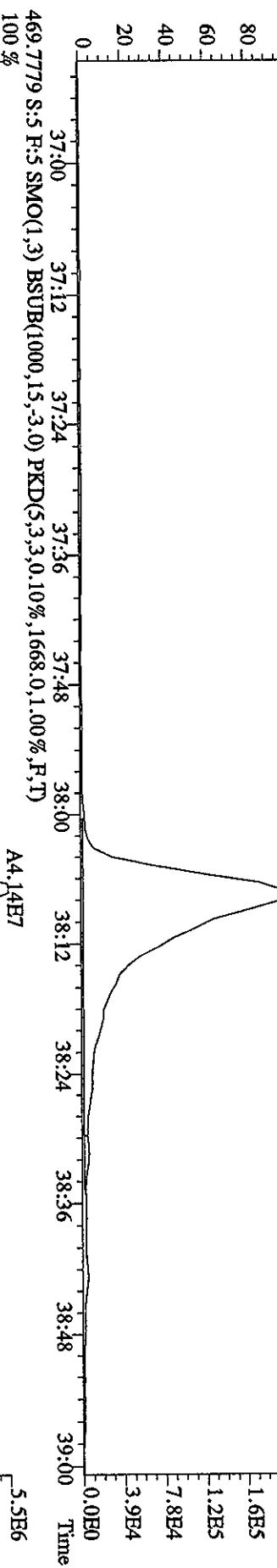
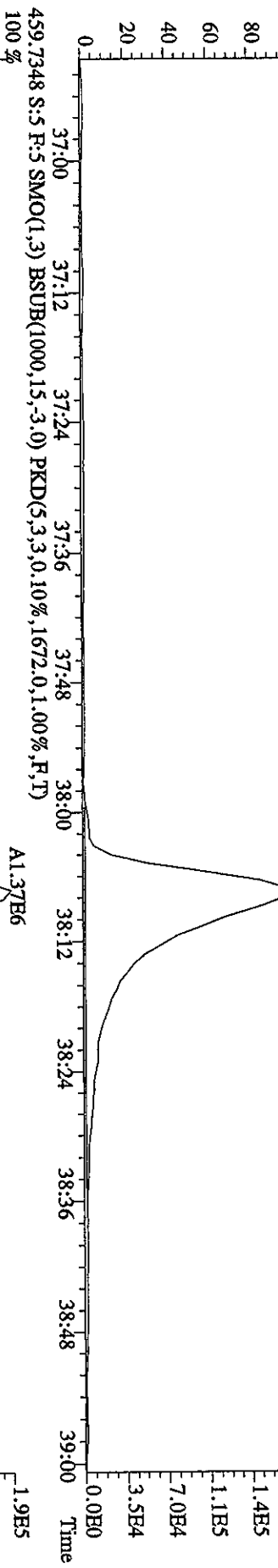
File: 28MR068D5 #1-217 Acq: 28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0328C :CSI 2565-41A Exp: DIOXIN  
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1280.0,1.00%,F,T)  
 100%



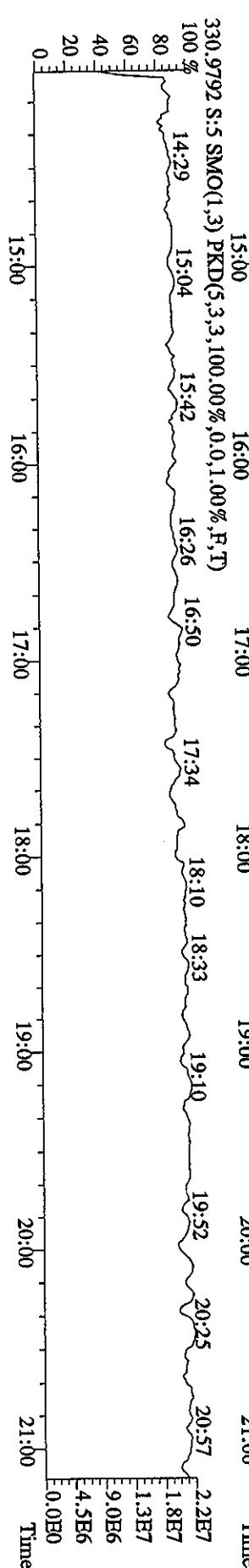
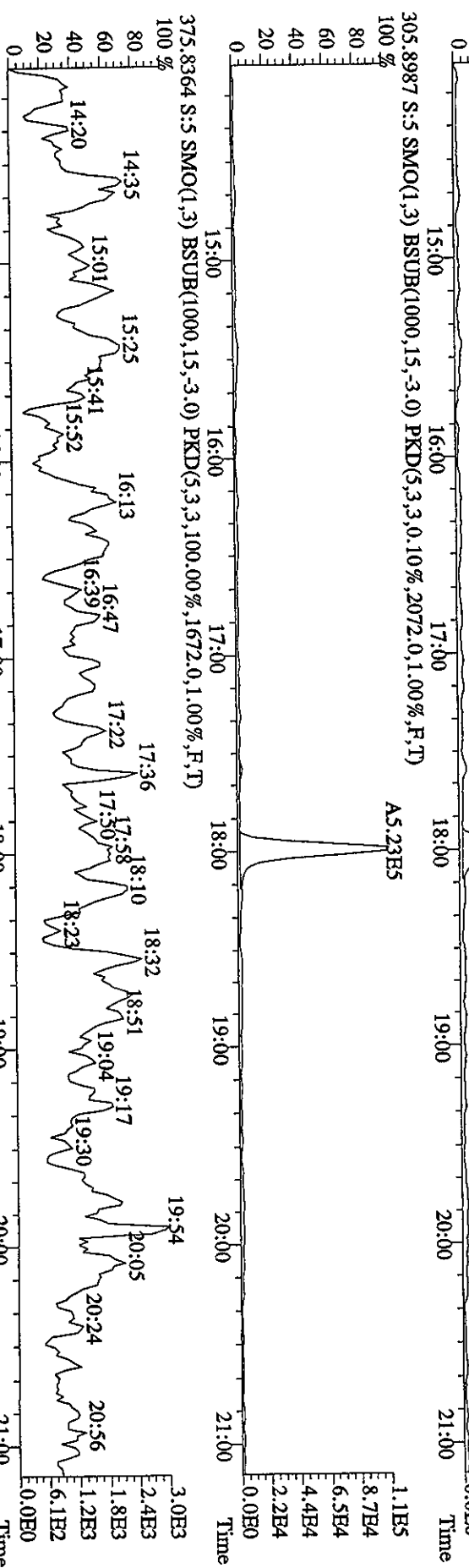
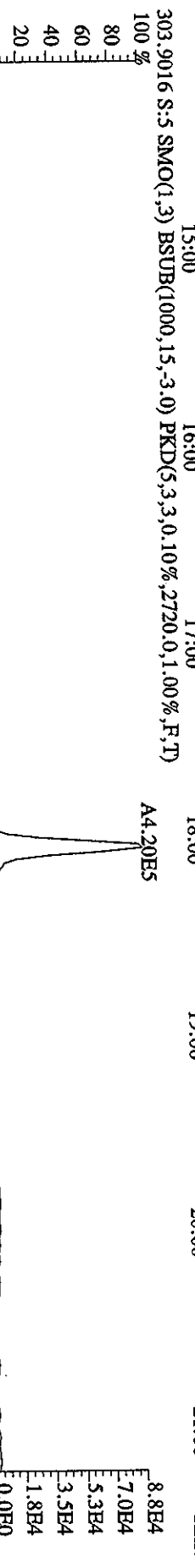
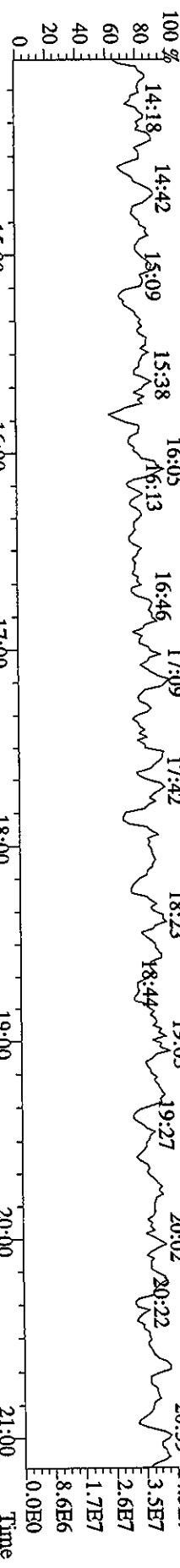
File:28MR068D5 #1-157 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0328C :CS1 2565-41A Exp:DIOXIN  
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



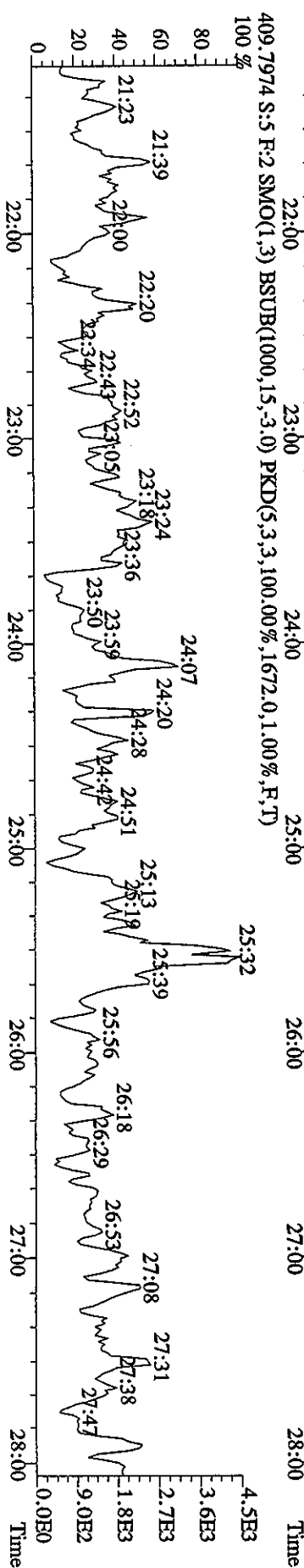
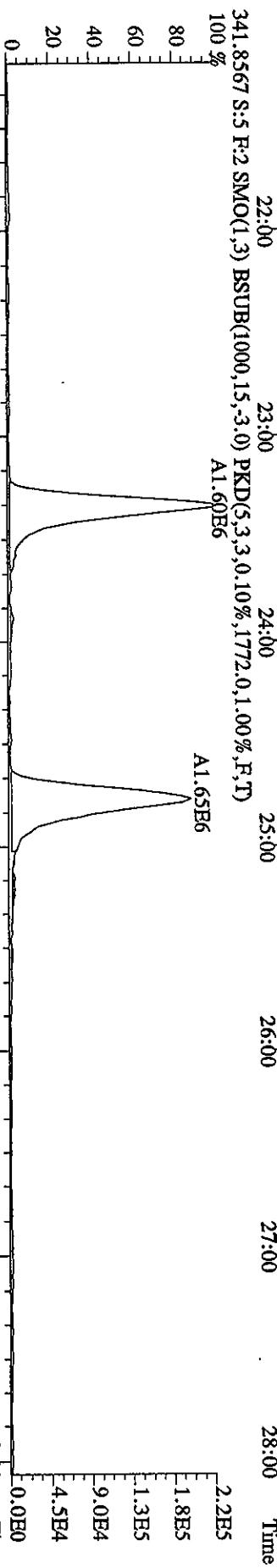
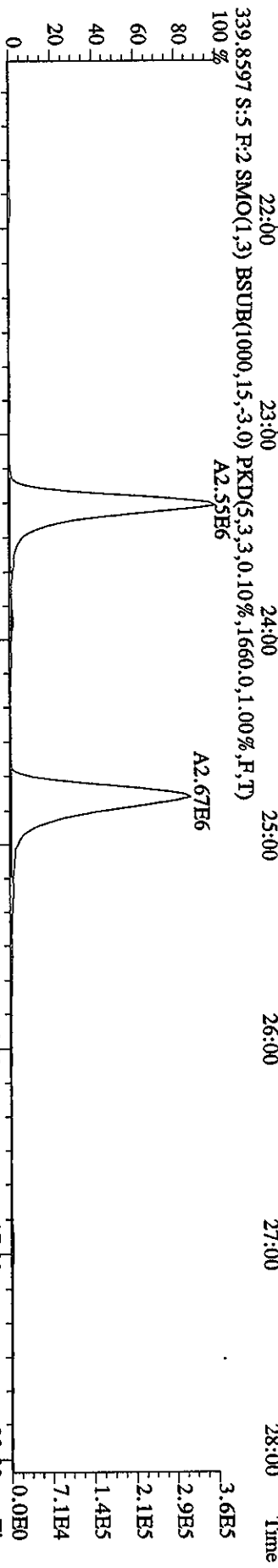
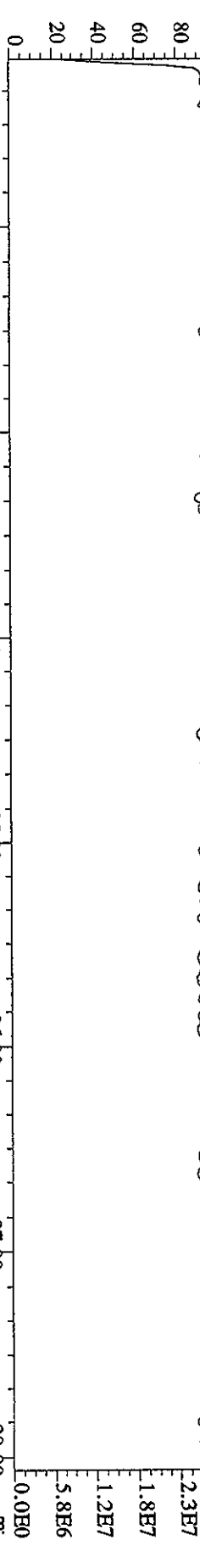
File:28MR068D5 #1-157 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2160.0,1.00%,F,T) 100%



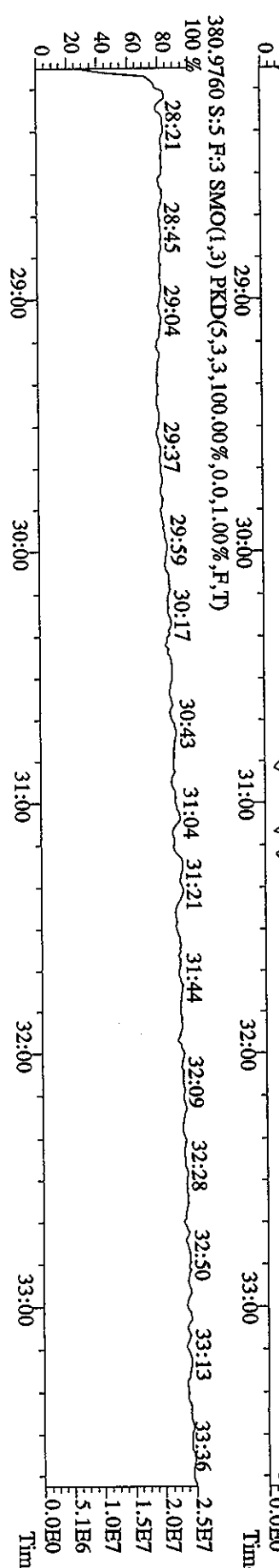
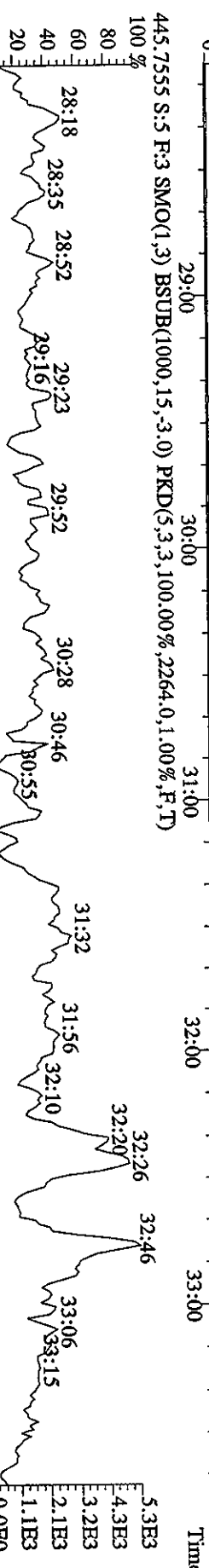
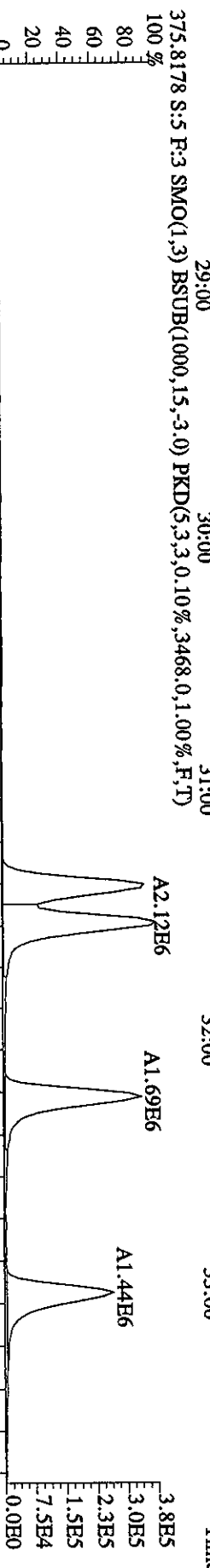
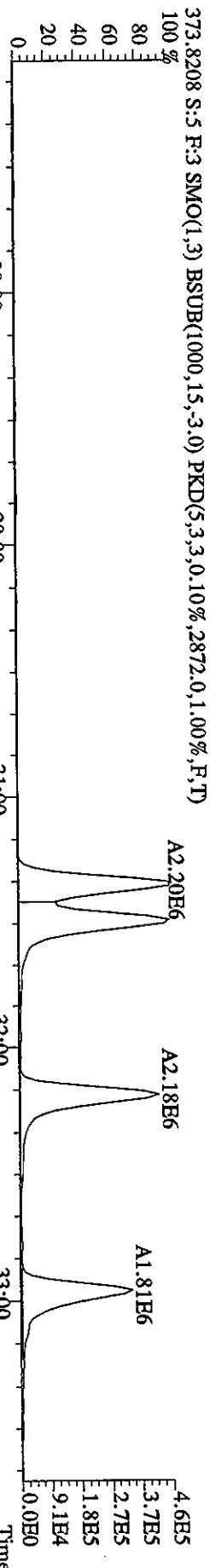
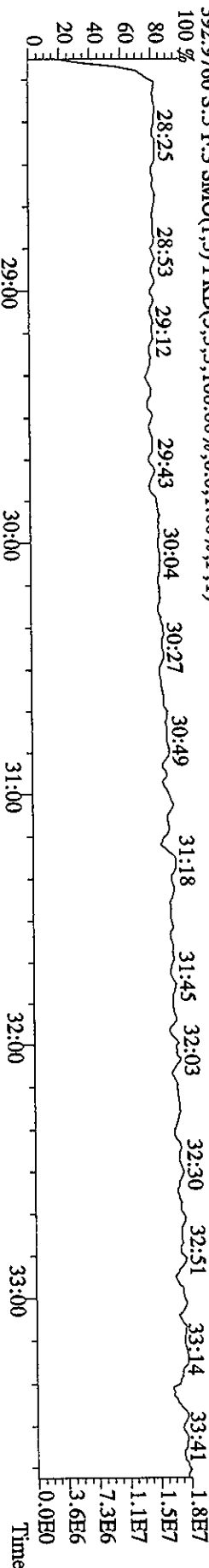
Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN

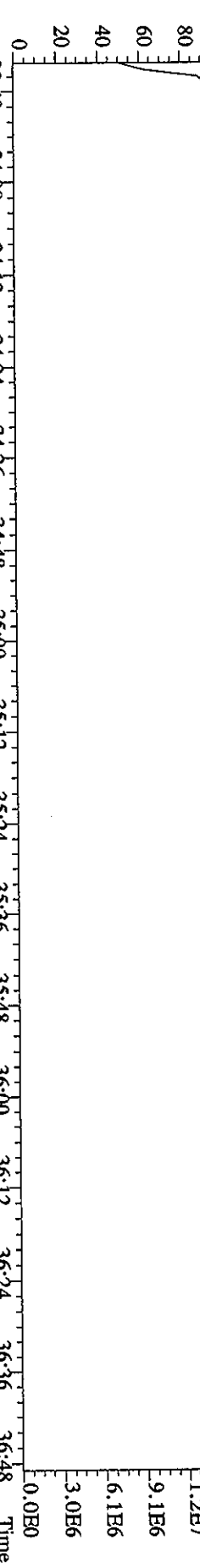


File: 28MR068D5 #1-484 Acq: 28-MAR-2006 15:58:35 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#5 Text: ST0328C :CSI 2565-41A Exp: DIOXIN  
 342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100% 21:28 22:13 22:37 23:12 23:40 24:13 24:39 25:08 25:29 26:08 26:45 27:15 27:40

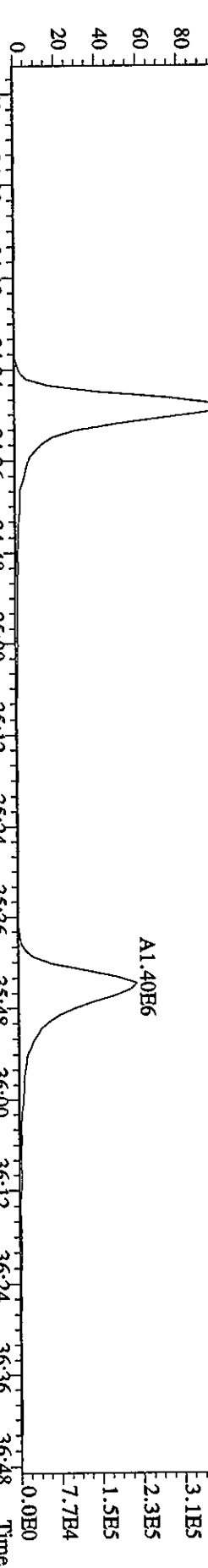


File:28MR068D5 #1-378 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN  
 392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 %

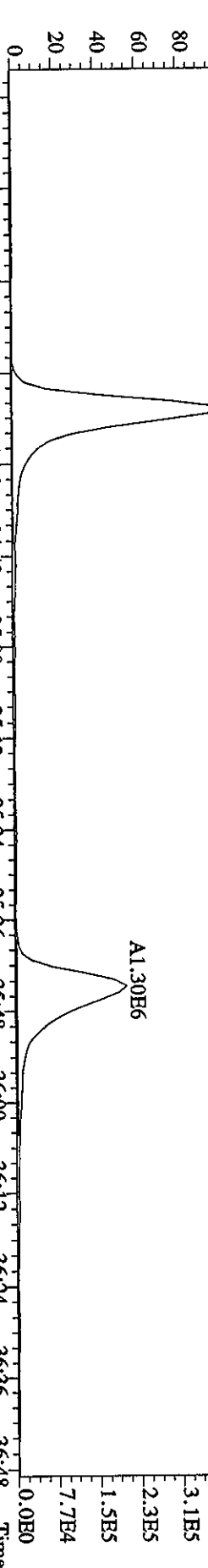




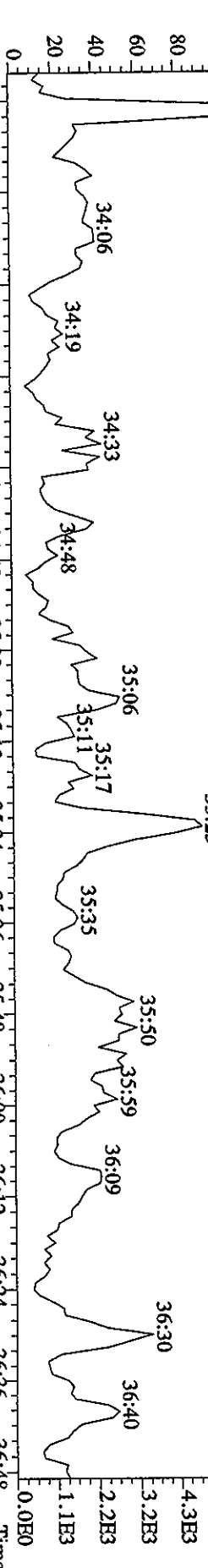
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1464.0,1.00%,F,T)



409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2588.0,1.00%,F,T)



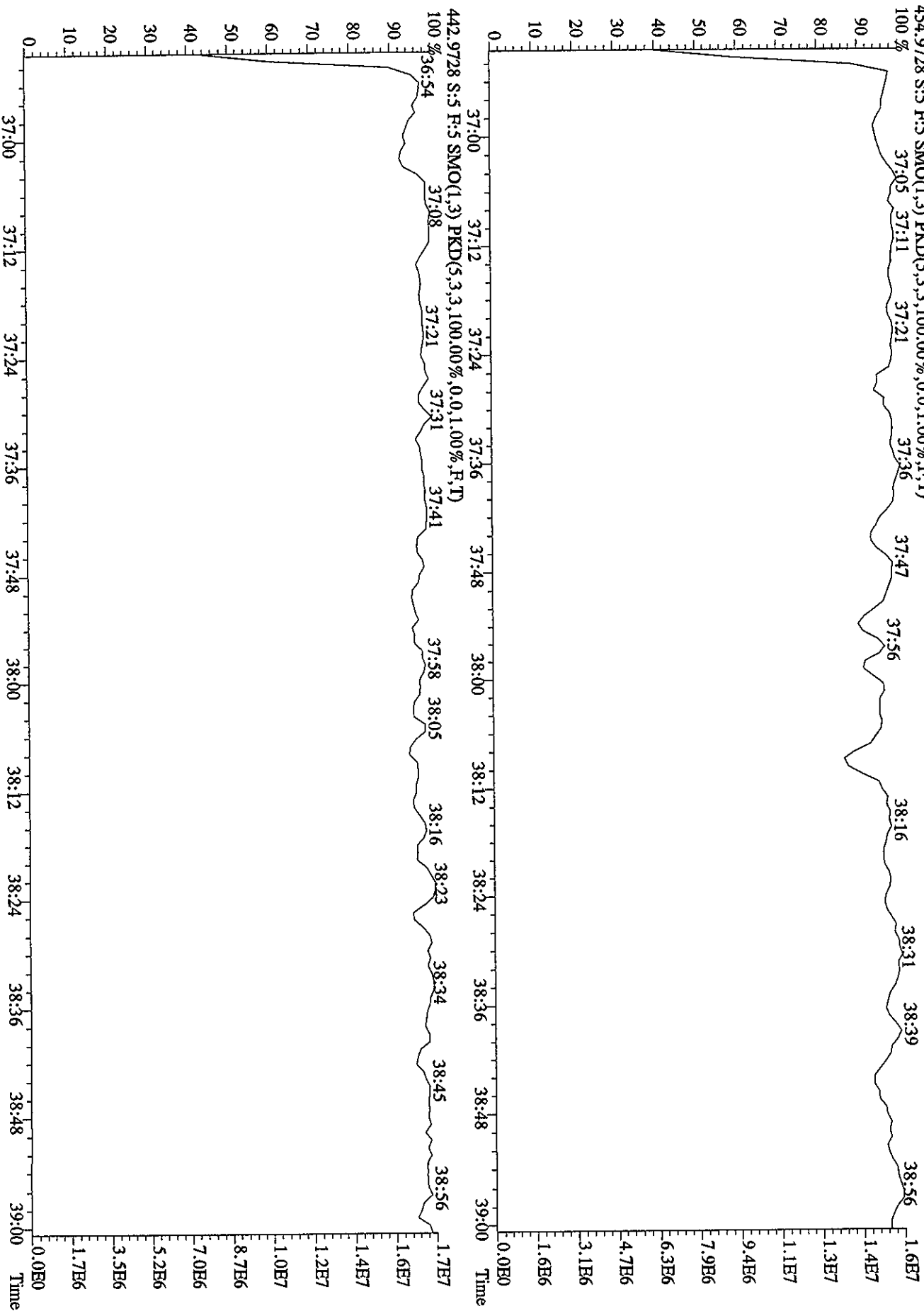
479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1600.0,1.00%,F,T)



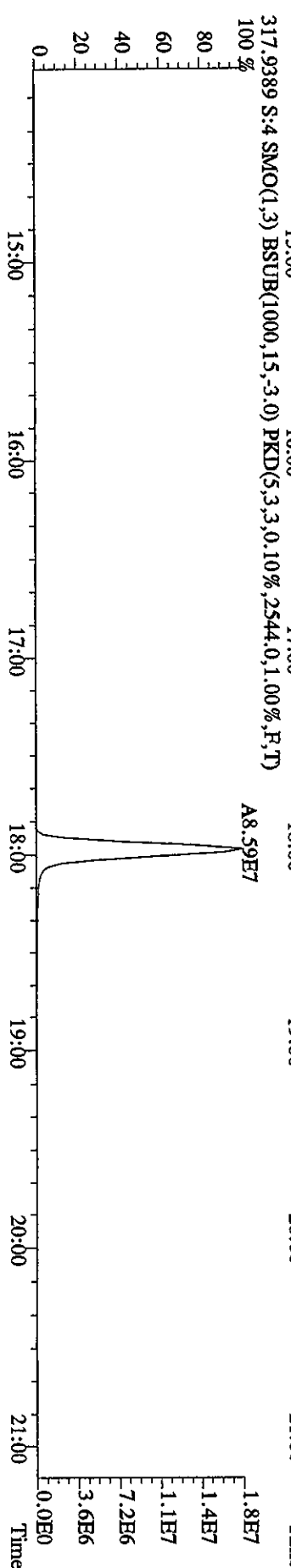
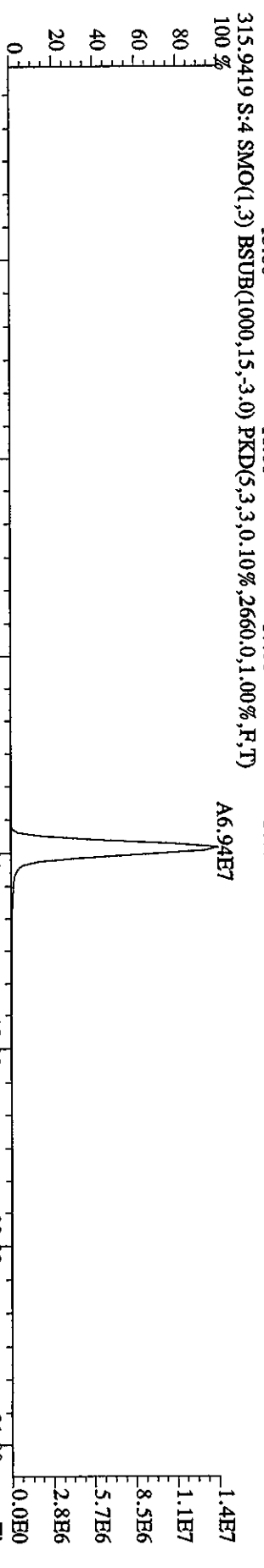
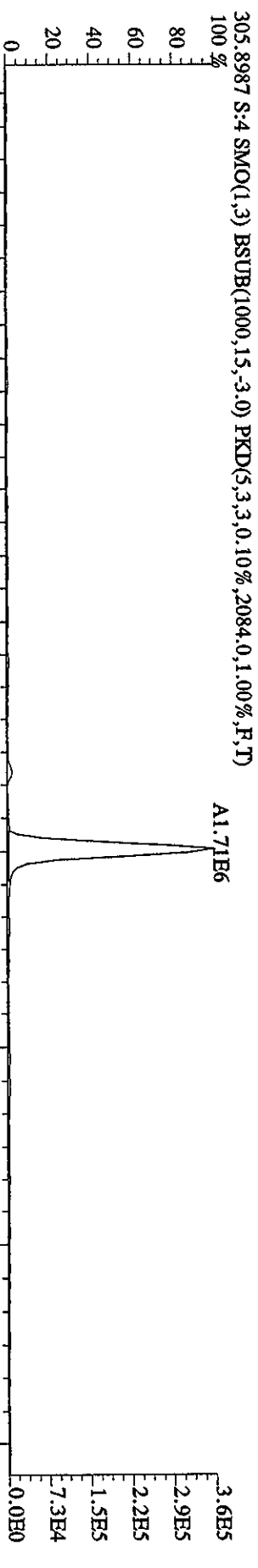
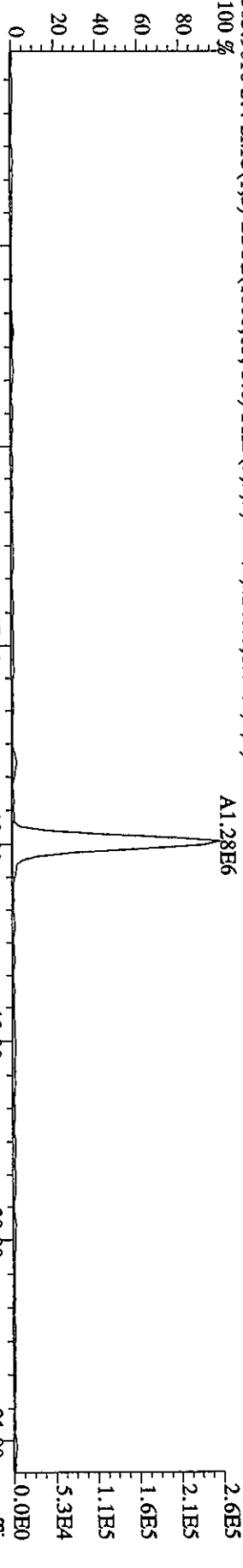
File:28MR068D5 #1-157 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C :CSI 2565-41A Exp:DIOXIN

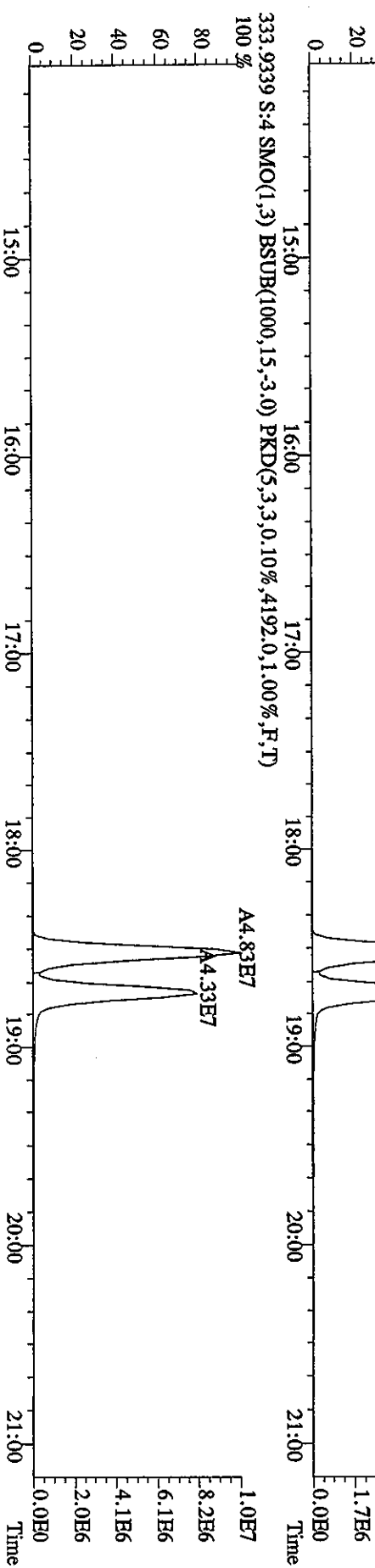
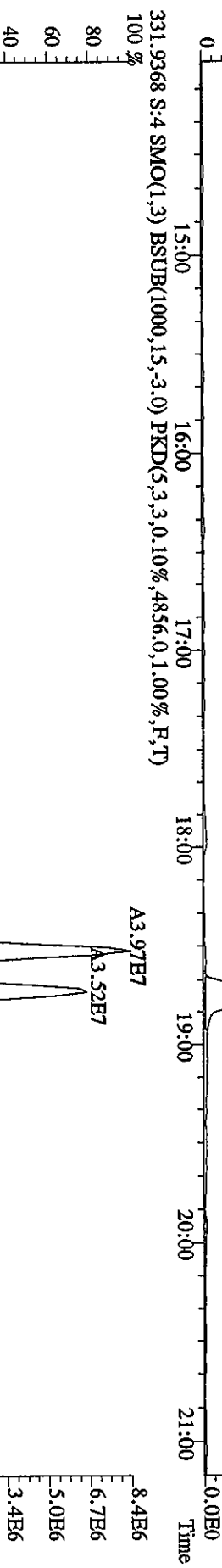
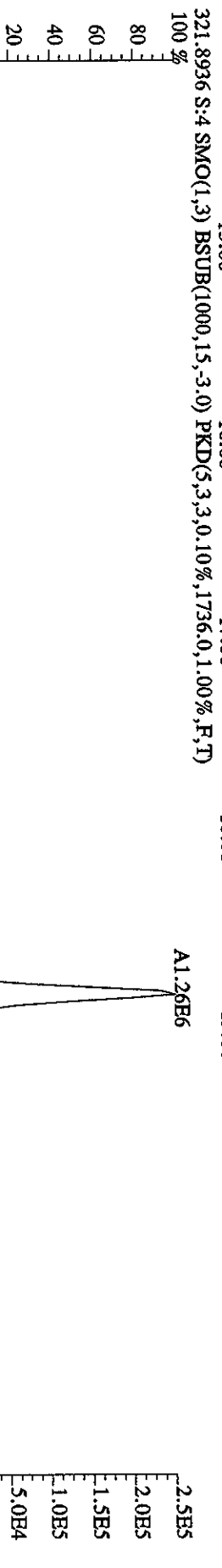
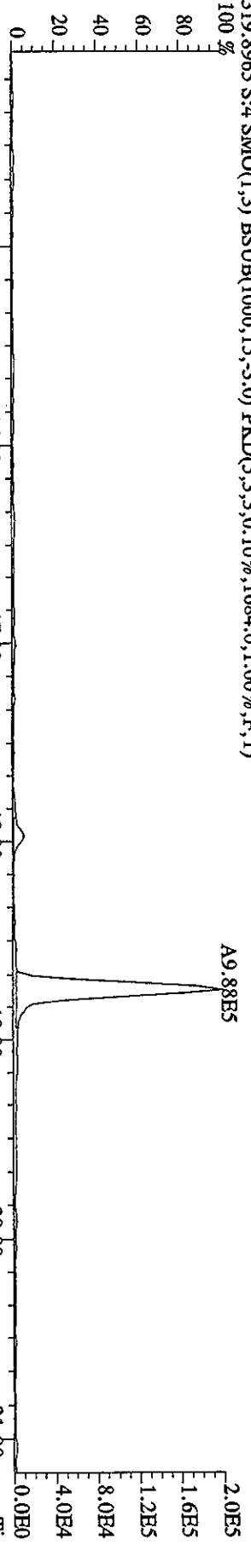
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



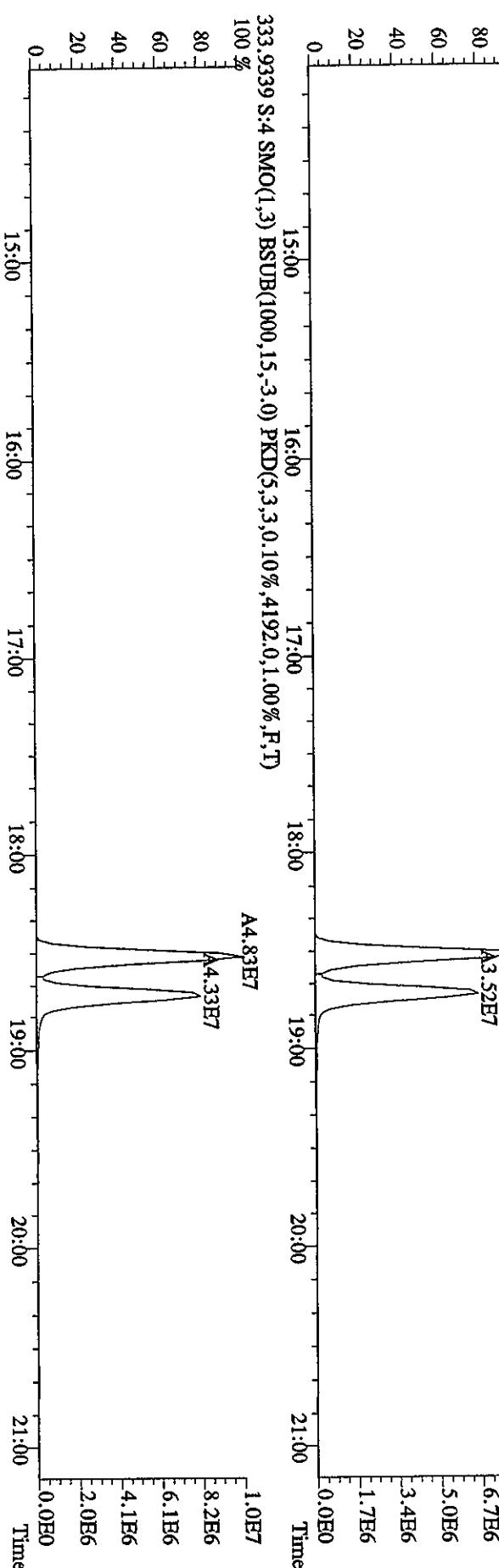
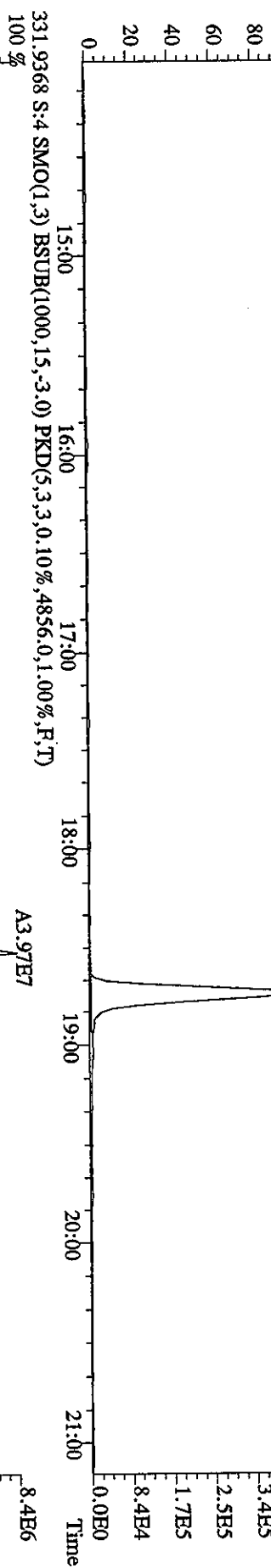
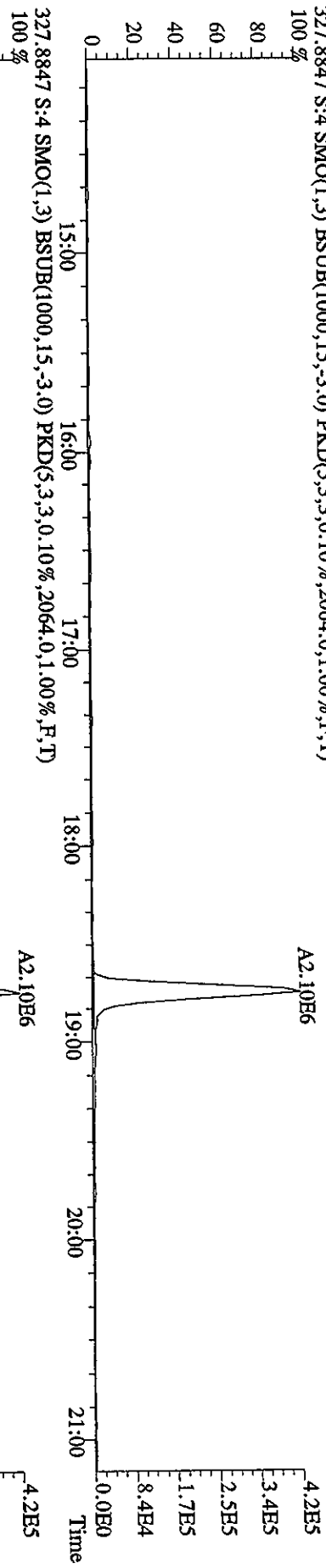
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#4 Text: ST0328B :CS2 2565-41B Exp: DIOXIN  
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2240,0,1,00%,F,T)



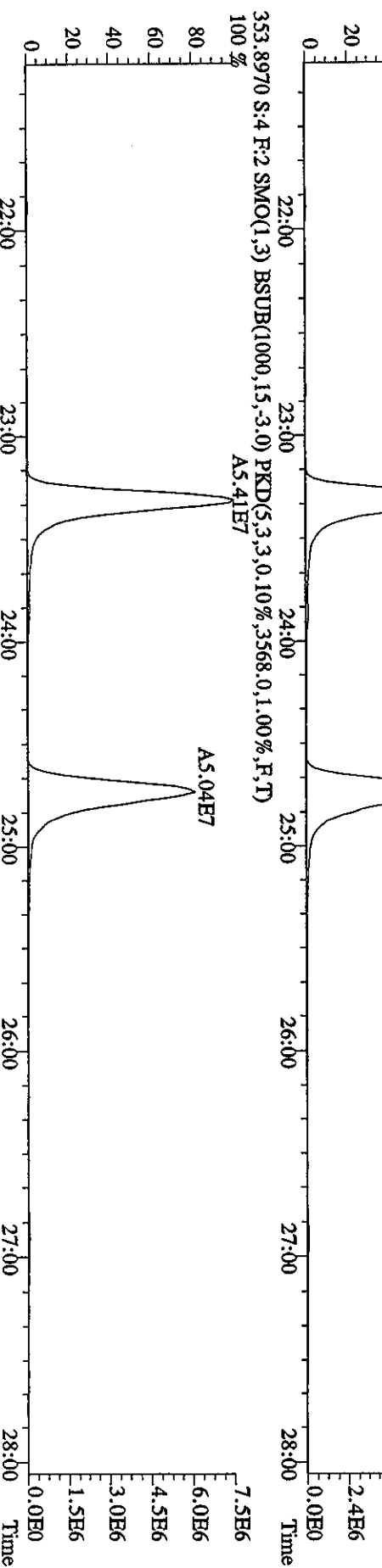
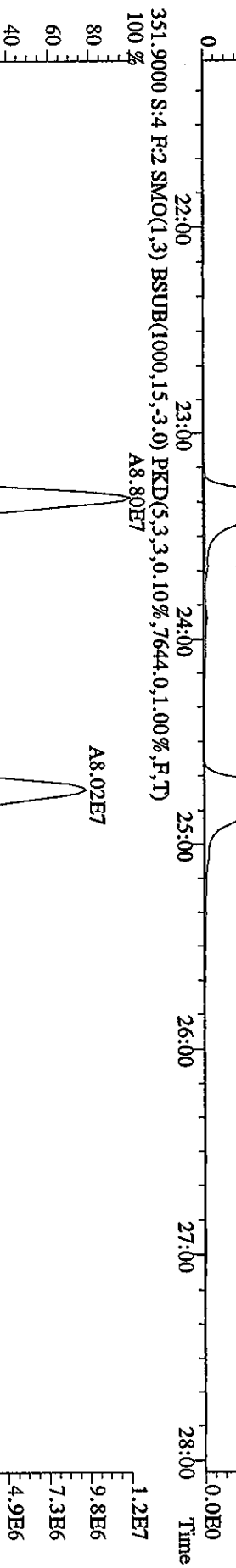
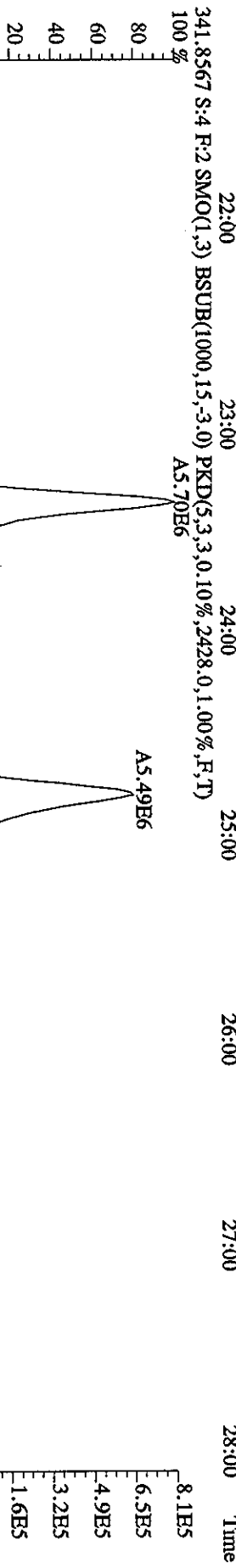
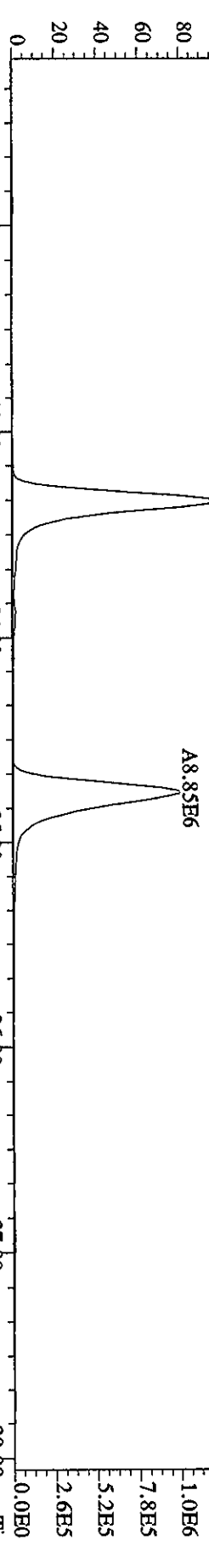
File:28MR068D5 #1-388 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0328B :CS2 2565-41B Exp:DIOXIN  
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1684,0,1,00%,F,T)



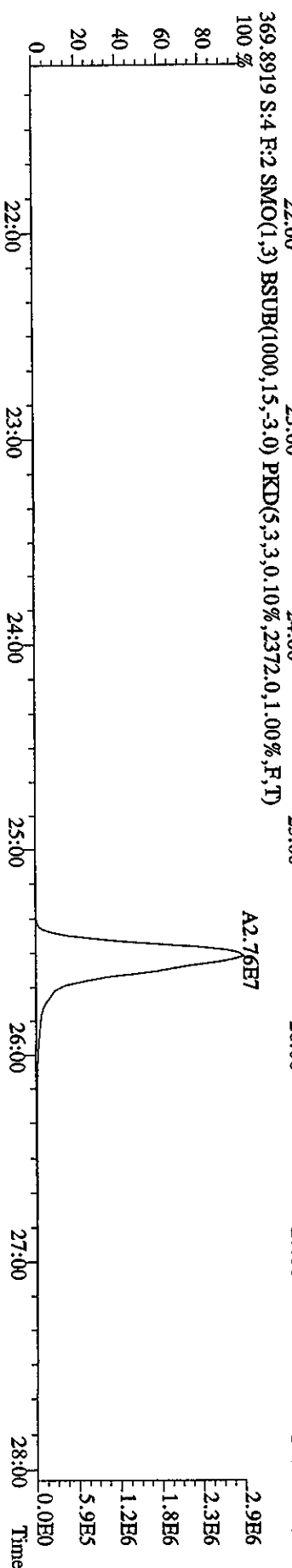
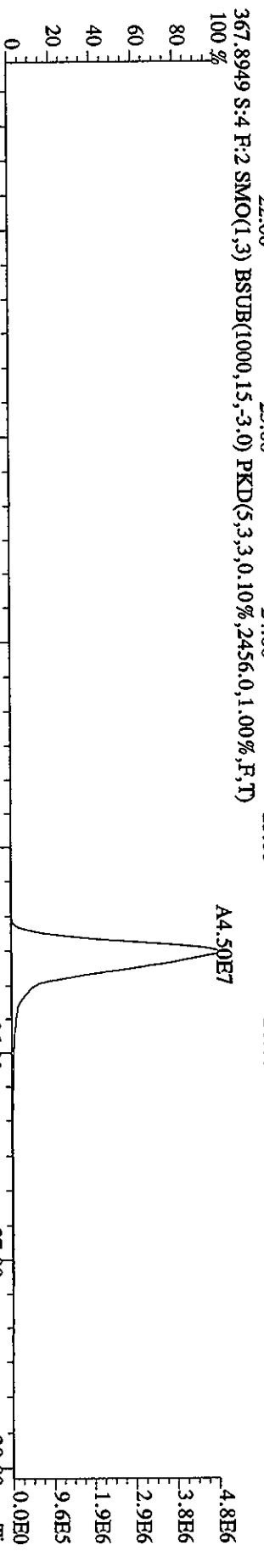
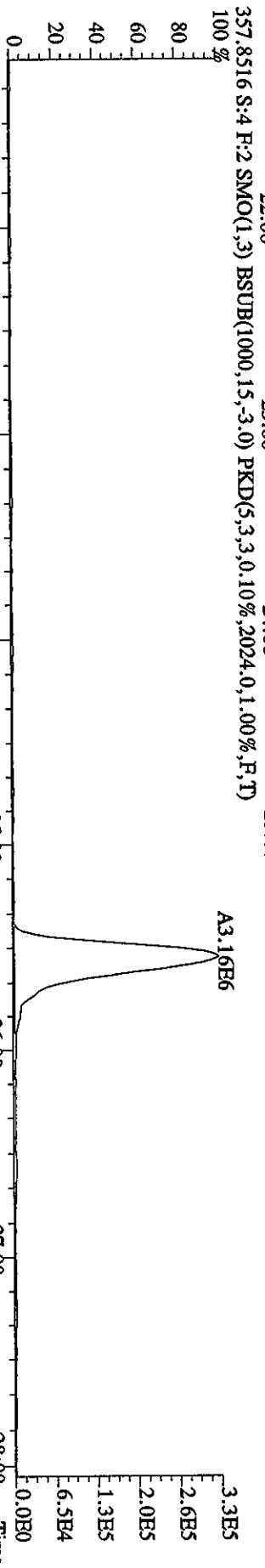
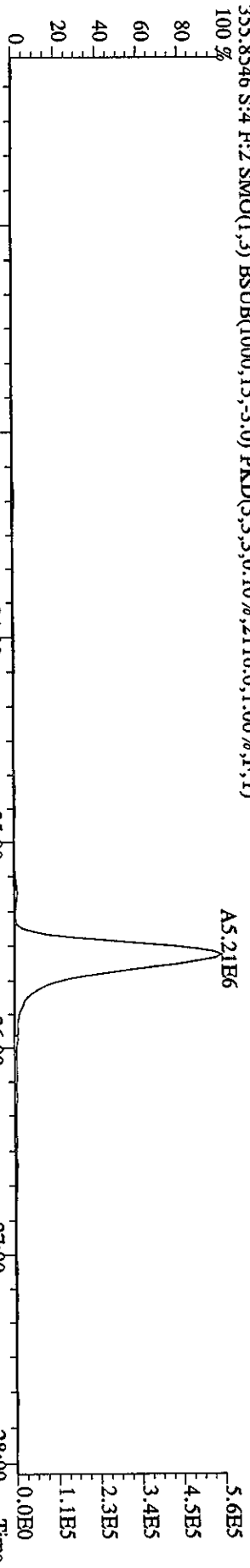
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0328B :CS2 2565-41B Exp: DIOXIN  
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2064,0,1,00%,F,T)  
 100%



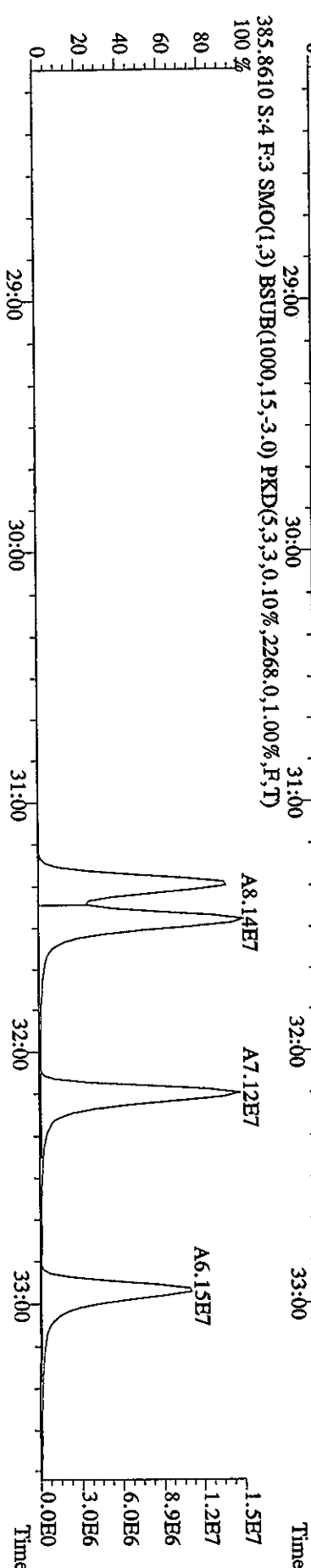
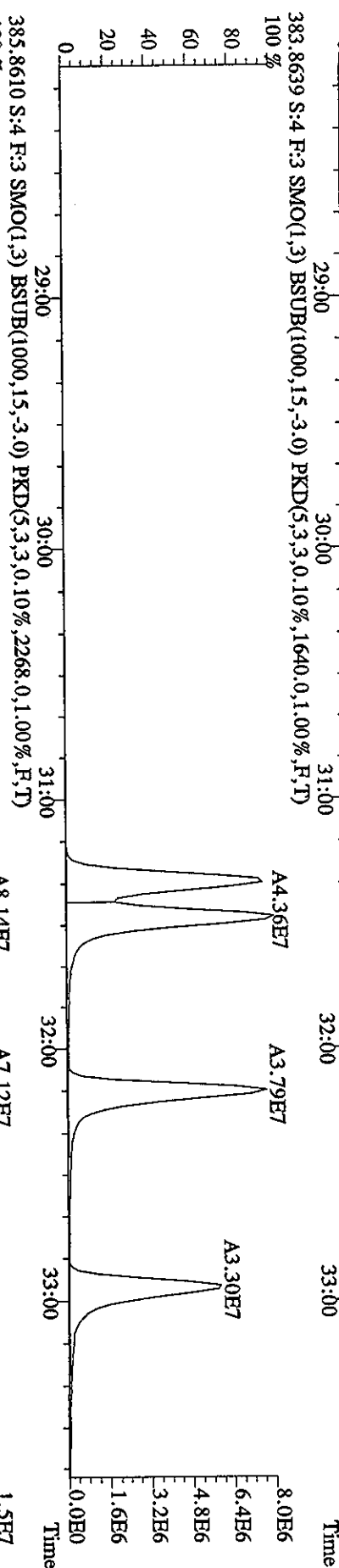
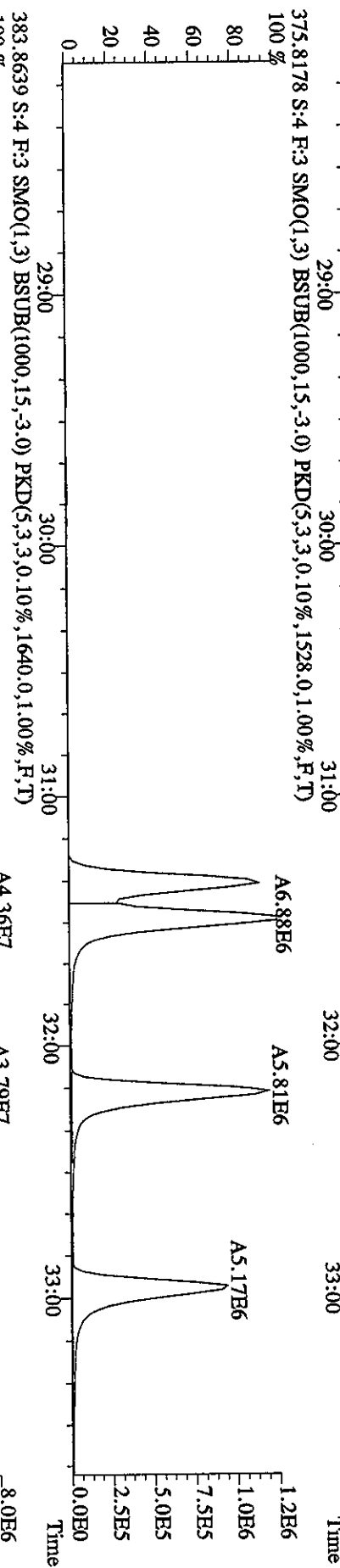
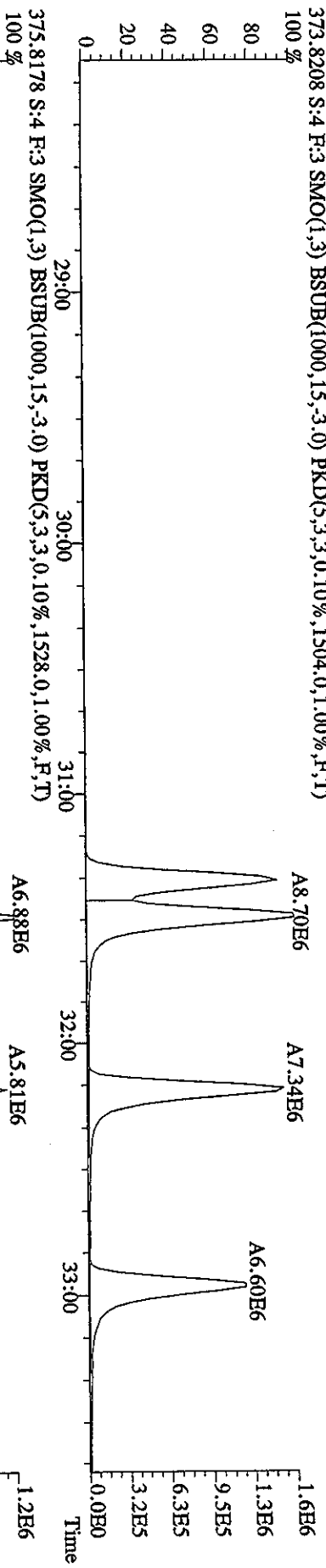
File:28MR068D5 #1-483 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST0328B :CSS2 2565-41B Exp:DIOXIN  
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2992.0,1.00%,F,T)  
 100% A9.21E6



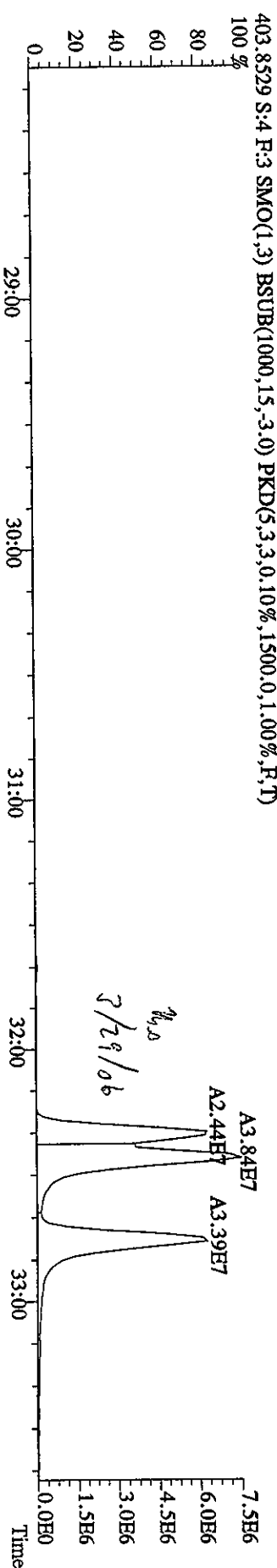
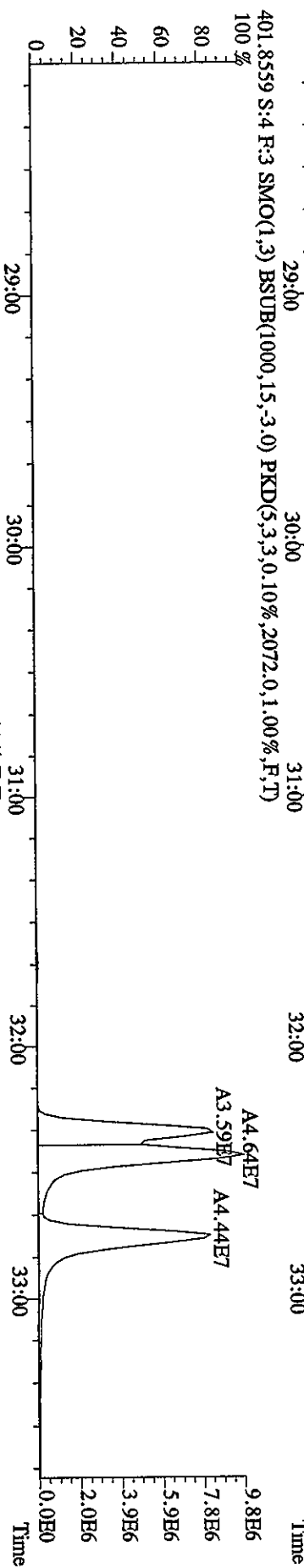
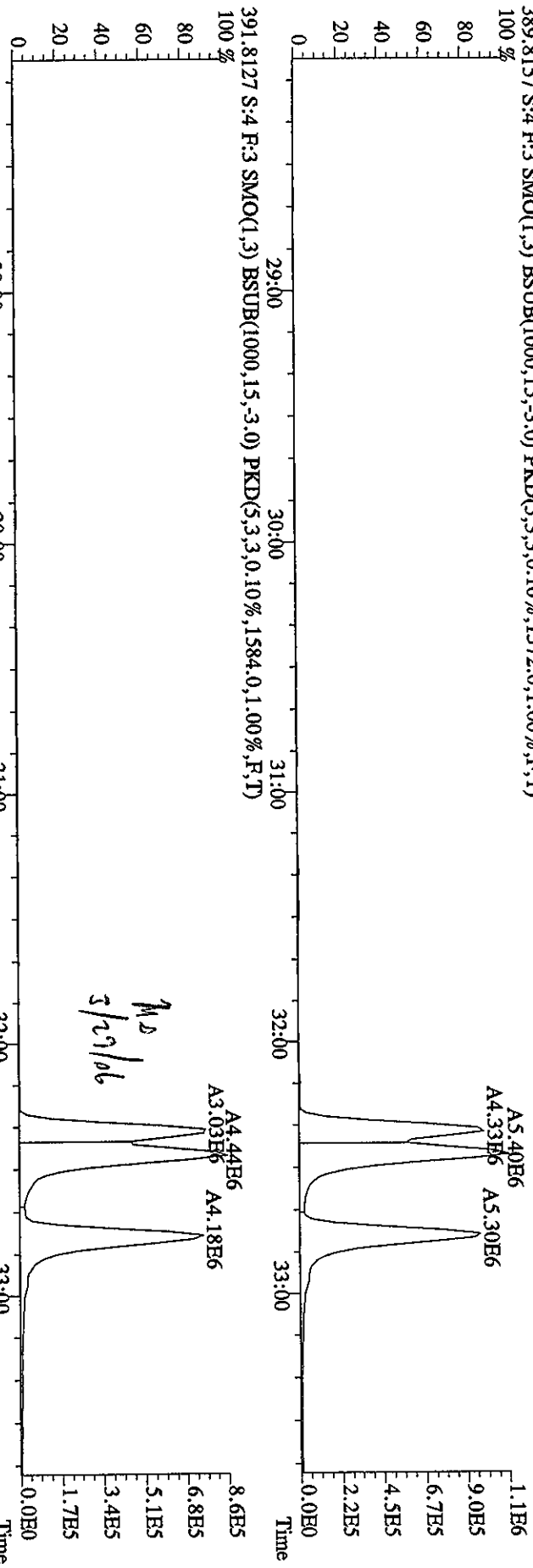
File: 28MR068D5 #1-483 Acq: 28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0328B :CS2 2565-4IB Exp: DIOXIN  
 355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2116.0,1.00%,F,T) 100%



File: 28MR068D5 #1-378 Acq: 28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: ST0328B :CS2 2.565-41B Exp: DIOXIN  
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1504,0,1.00%,F,T)



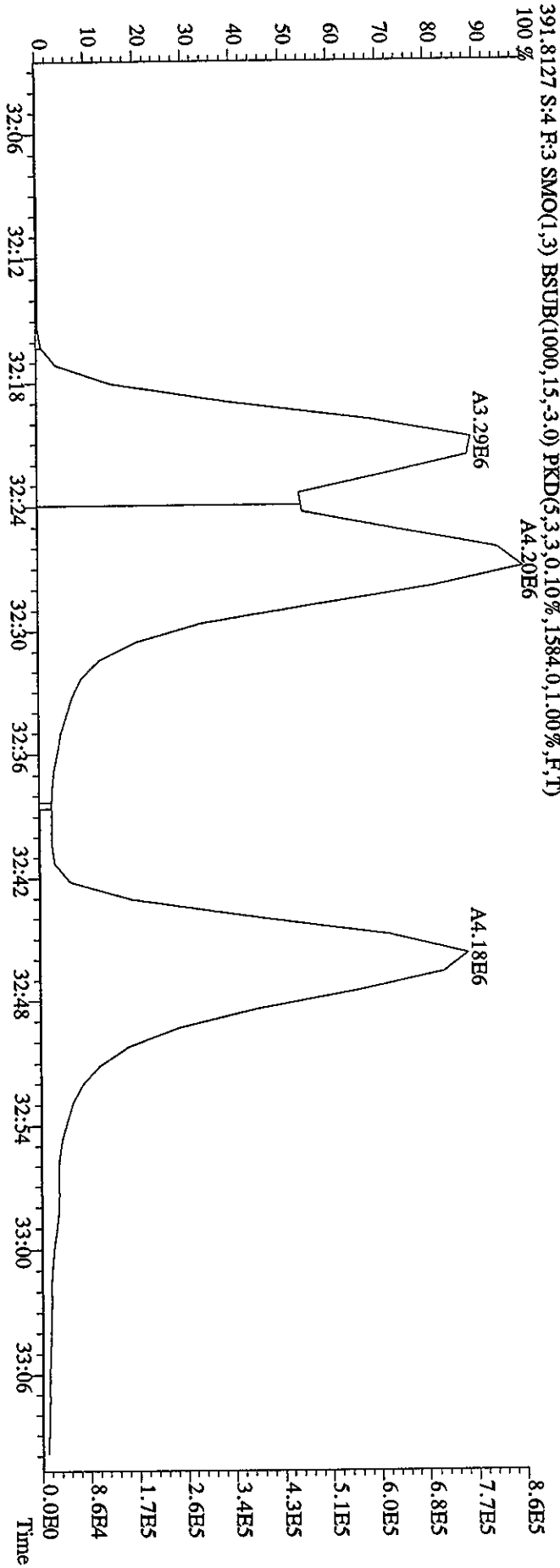
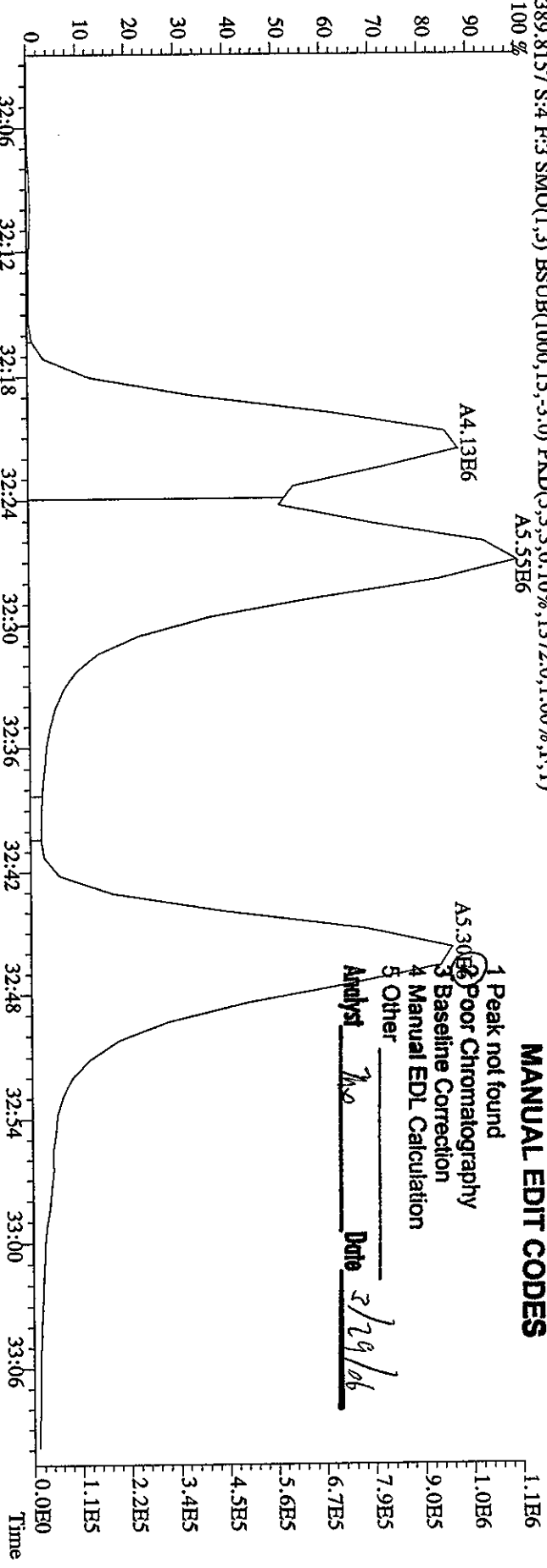
File: 28MR068D5 #1-378 Acq: 28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text: ST0328B :CS2 2565-41B Exp: DIOXIN  
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1372.0,1.00%,F,T)  
 100%



File:28MR068D5 #1-378 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST0328B :CS2 2565-41B Exp:DIOXIN  
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1372.0,1.00%,F,T)  
 100%

**MANUAL EDIT CODES**

- 1 Peak not found
  - 2 Poor Chromatography
  - 3 Baseline Correction
  - 4 Manual EDL Calculation
  - 5 Other
- Analyst No Date 3/29/06

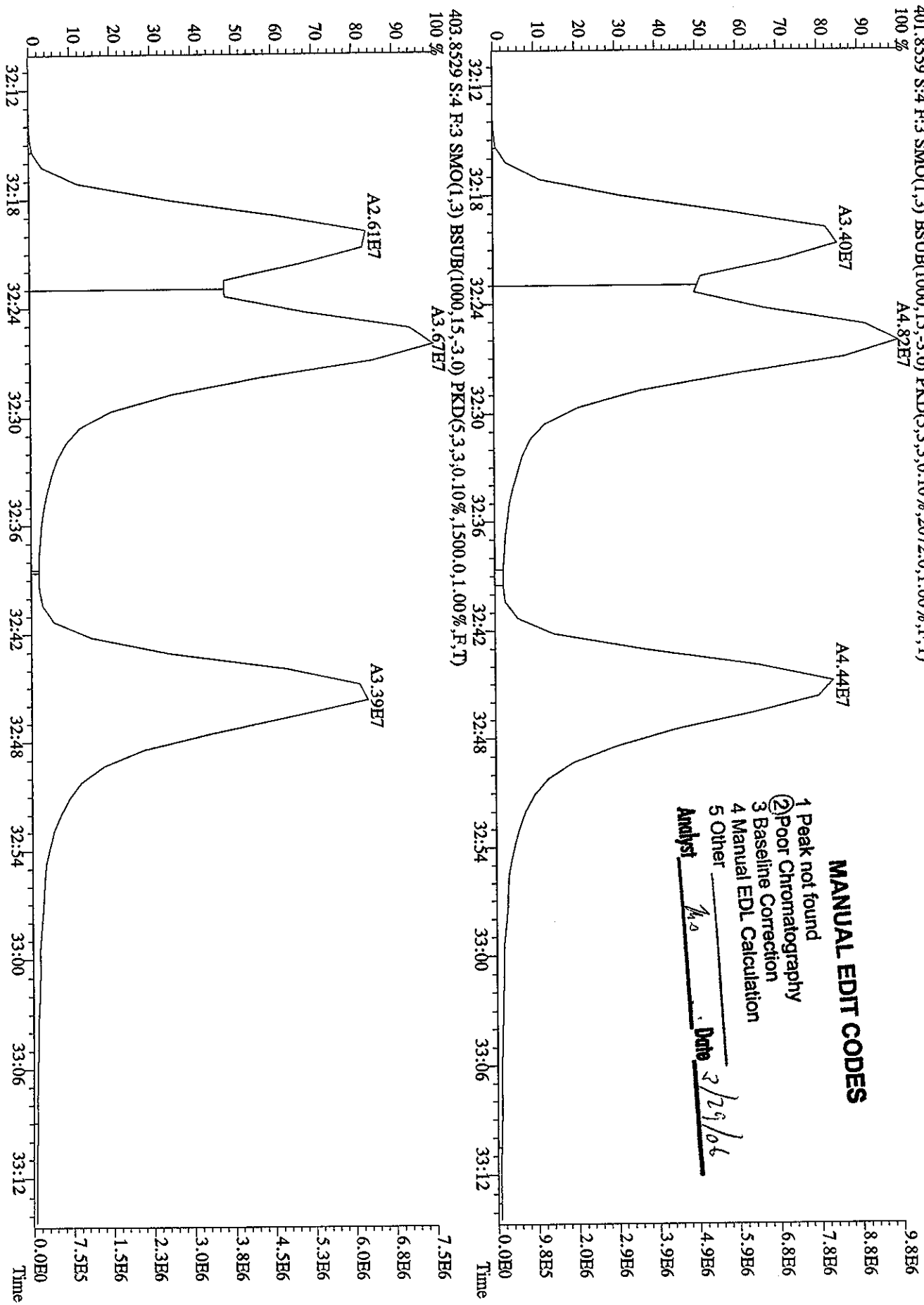


File: 28MR068D5 #1-378 Acq: 28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0328B :CS2 2565-41B Exp: DIOXIN  
 401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2072.0,1.00%,F,T)  
 100%

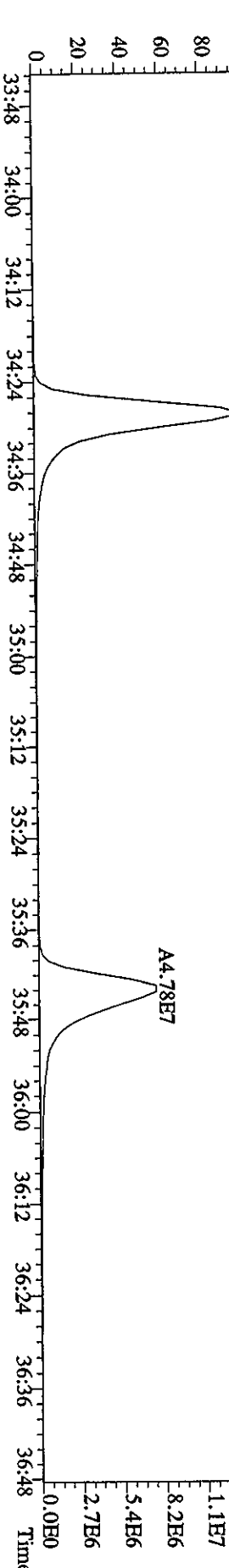
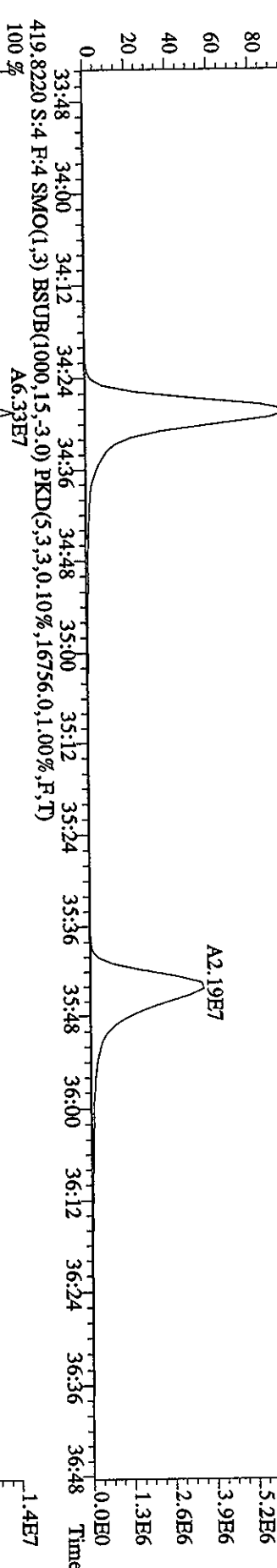
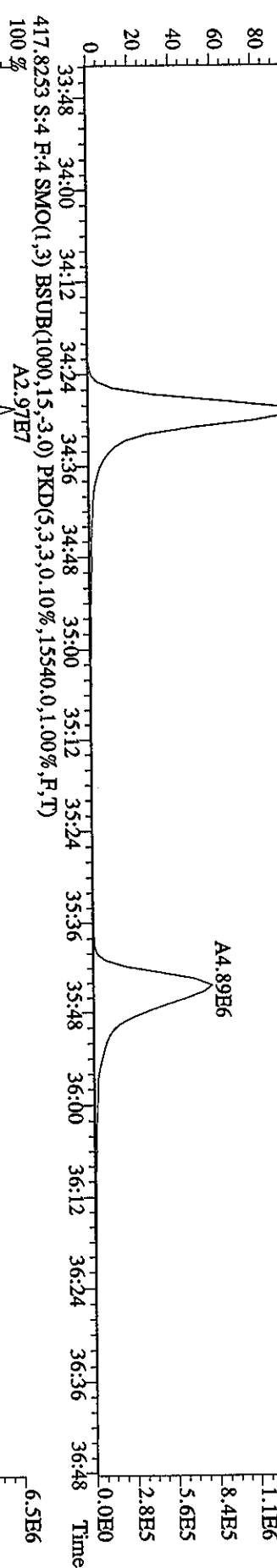
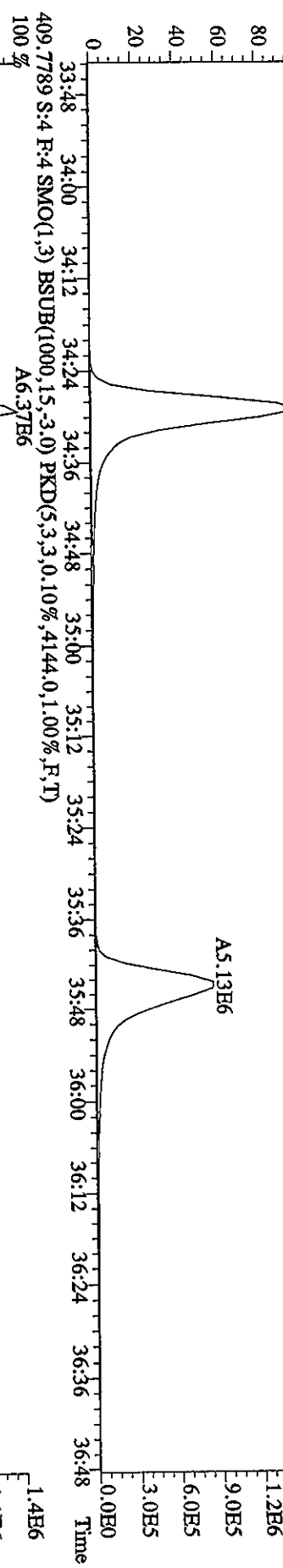
**MANUAL EDIT CODES**

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

Analyst Ms Date 3/29/06



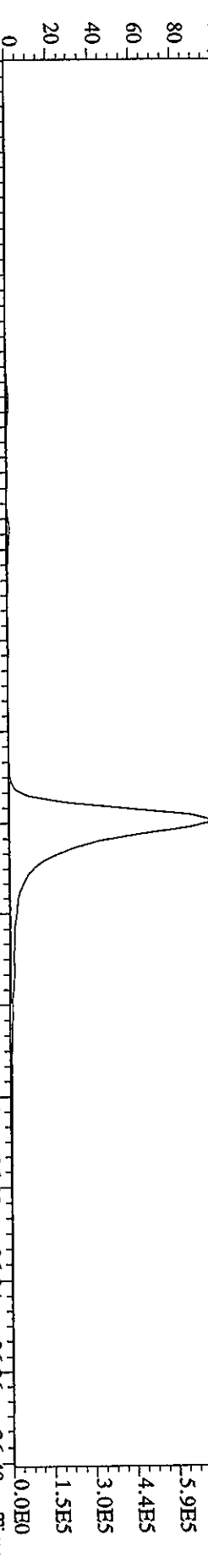
File:28MR068D5 #1-217 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0328B :CS2.2565-41B Exp:DIOXIN  
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)  
 100%



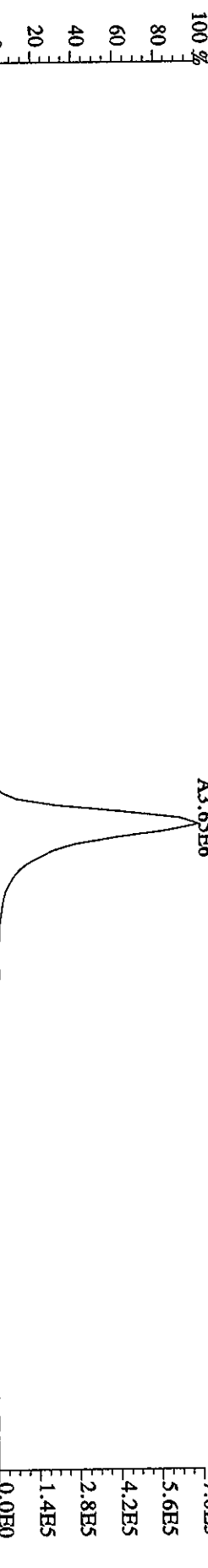
File:28MR068D5 #1-217 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaB

Sample#4 Text:ST0328B :CS2 2565-41B Exp:DIOXIN

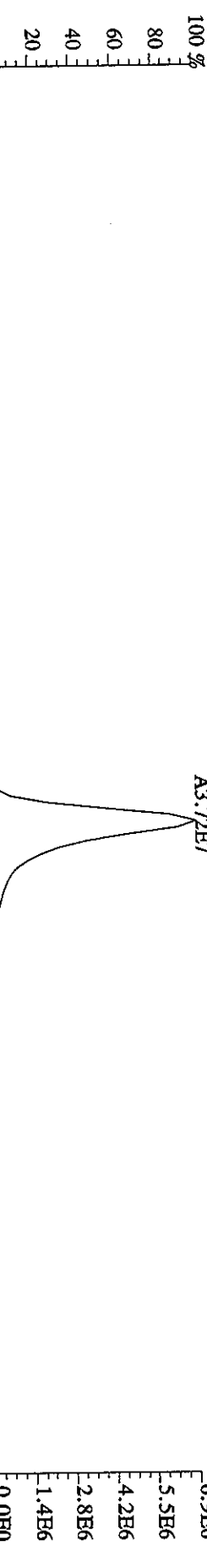
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1420,0,1,00%,F,T) A3.91E6



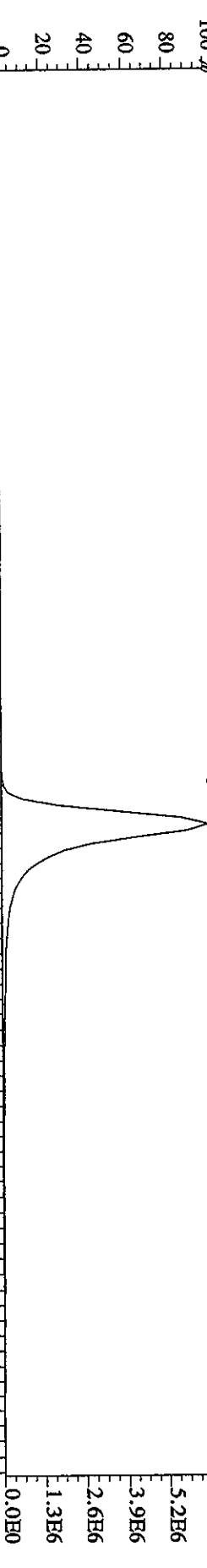
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1092,0,1,00%,F,T) A3.65E6



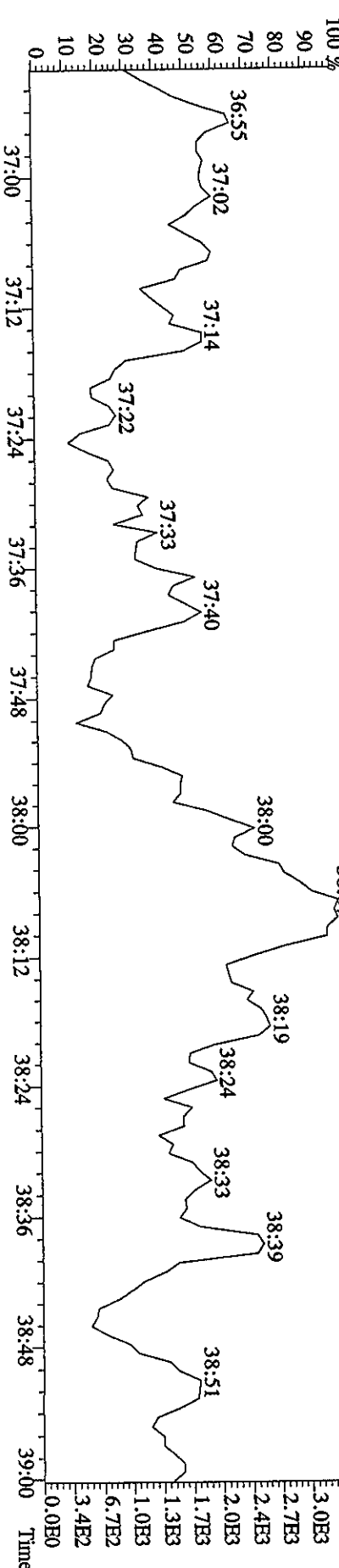
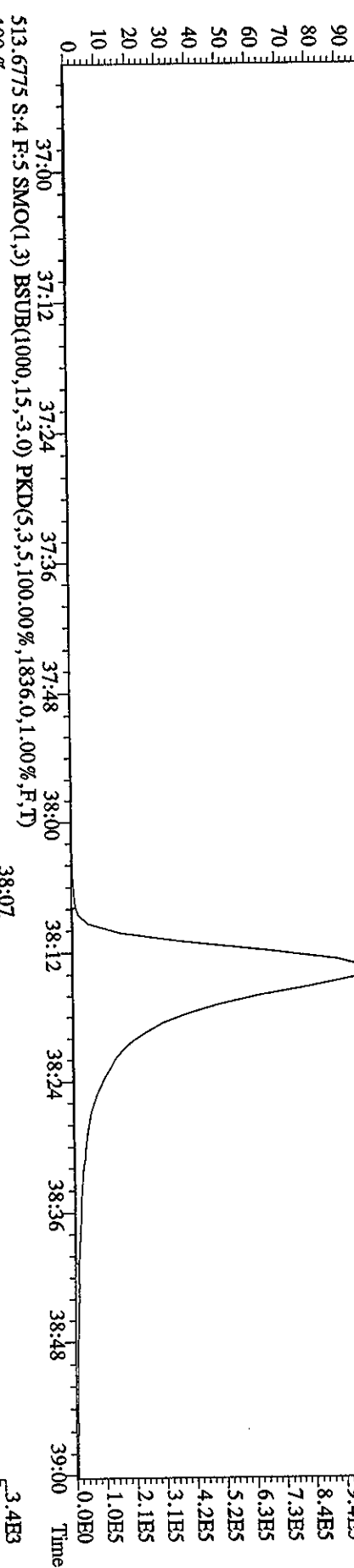
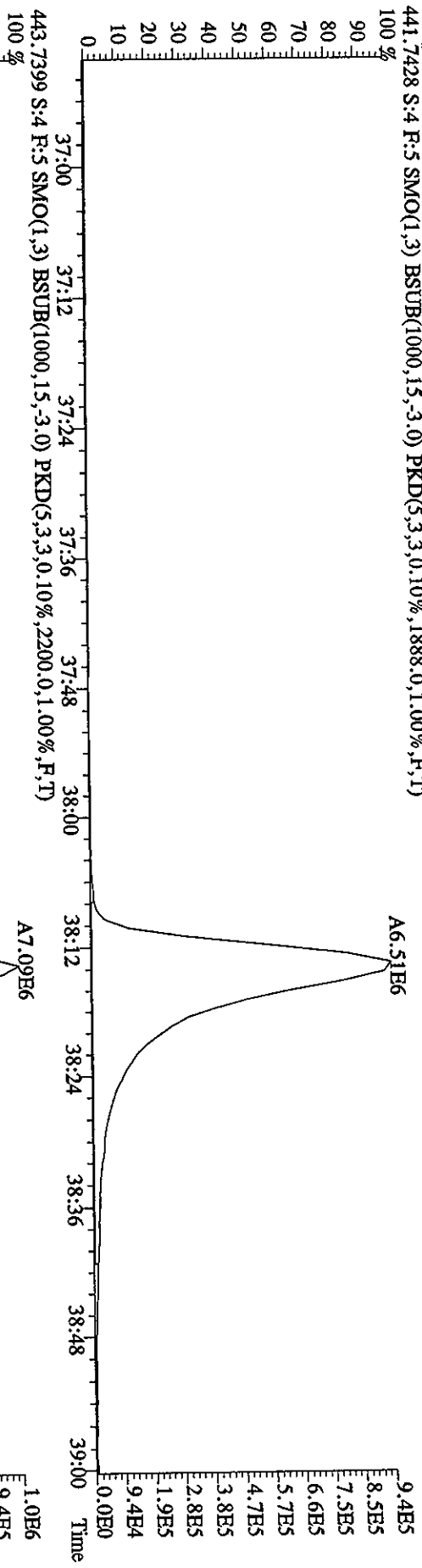
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3404,0,1,00%,F,T) A3.72E7



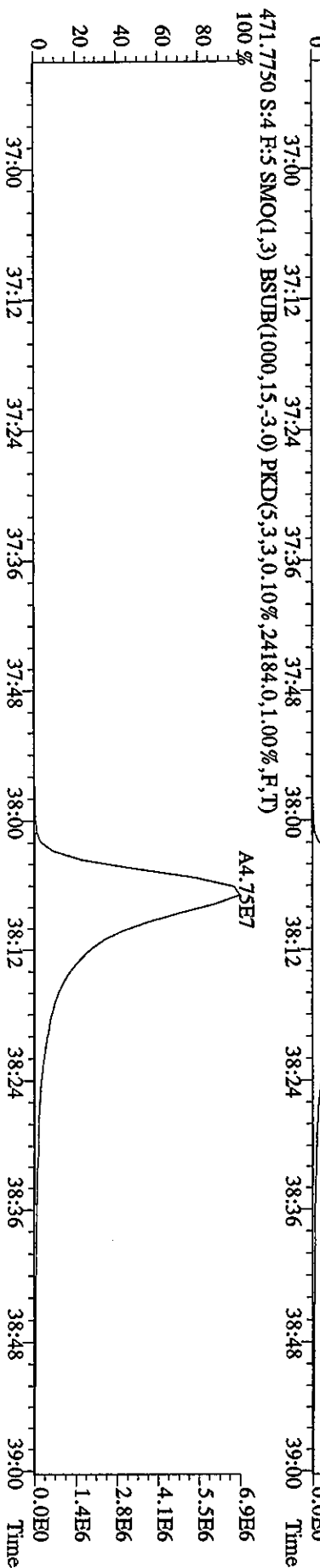
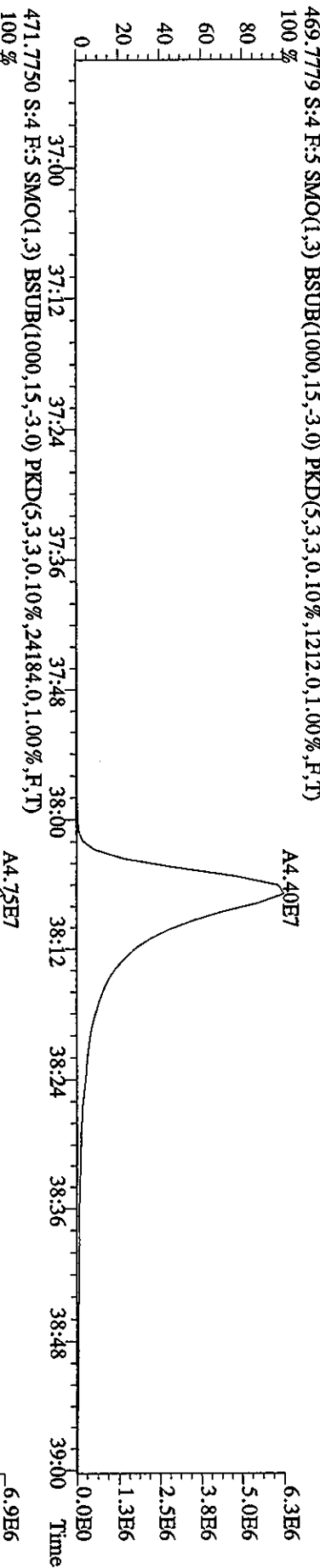
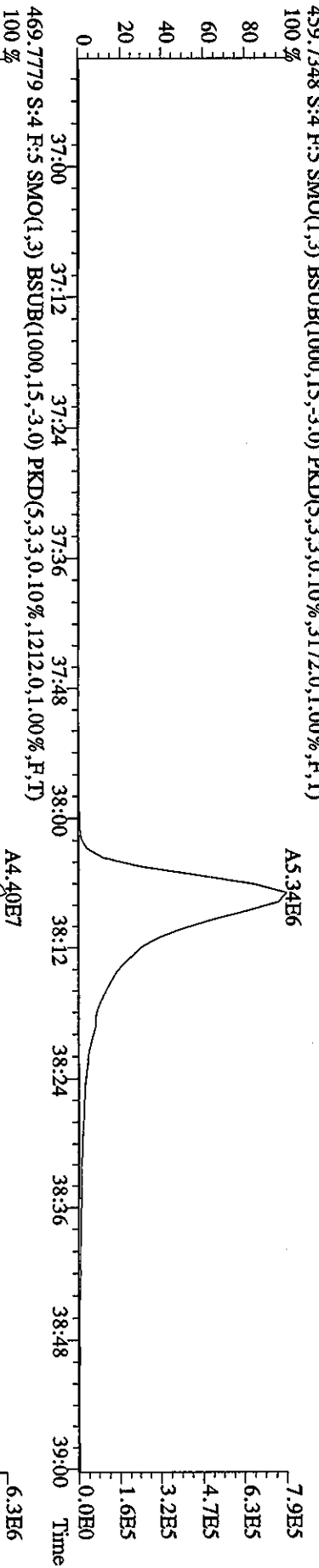
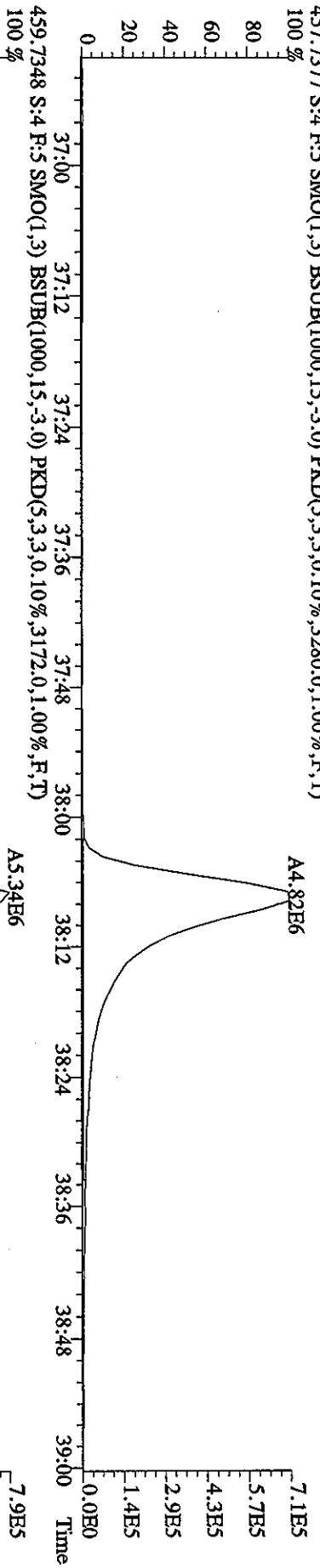
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3948,0,1,00%,F,T) A3.42E7



File:28MR068D5 #1-157 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Texi:ST0328B :CS2 2565-41B Exp:DIOXIN  
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1888,0,1.00%,F,T)



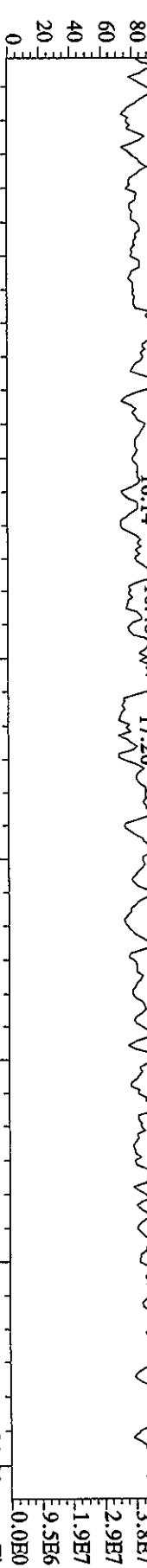
File:28MR068D5 #1-157 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0328B :CS2 2565-41B Exp:DIOXIN  
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3280,0,1,00%,F,T)  
 100%



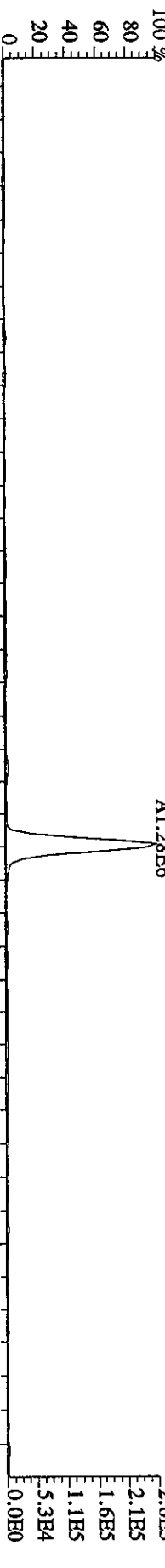
File:28MR068D5 #1-388 Acq:28-MAR-2006 15:16:46 GC EI + Voltage SIR Autospec-UltimaE  
Exp:DIOXIN

Sample#4 Text:ST0328B :CS2 2565-41B

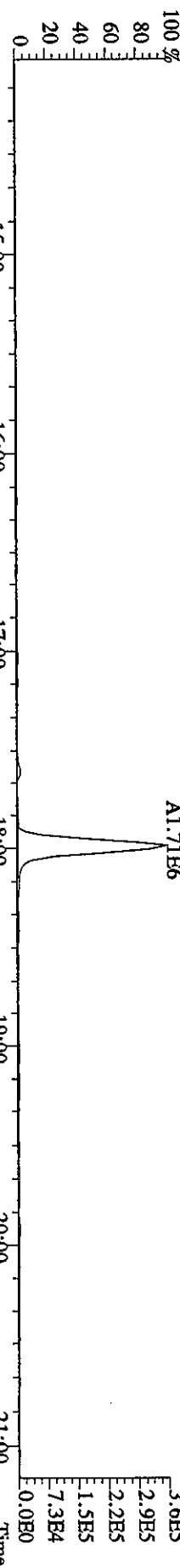
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



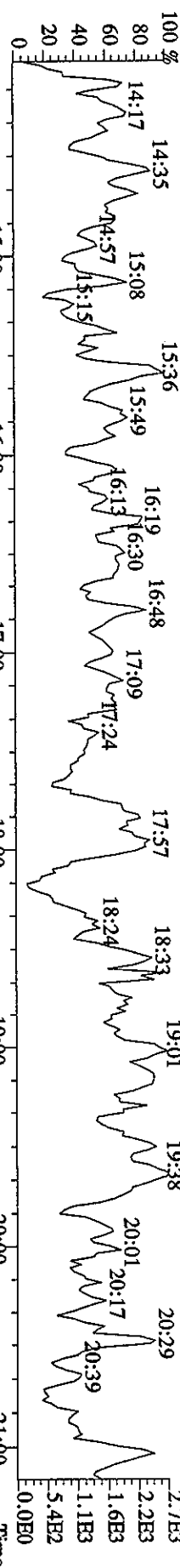
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)



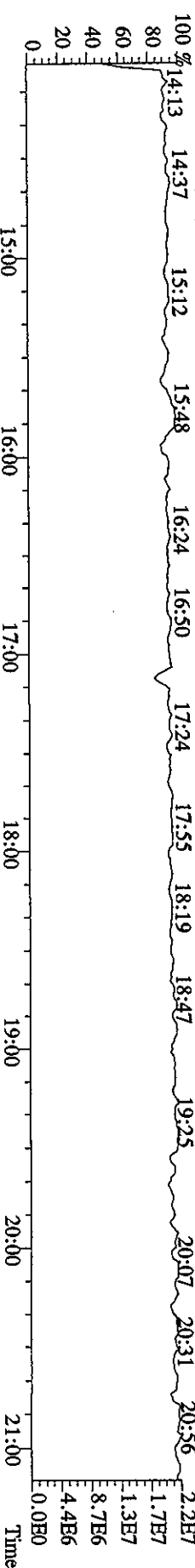
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



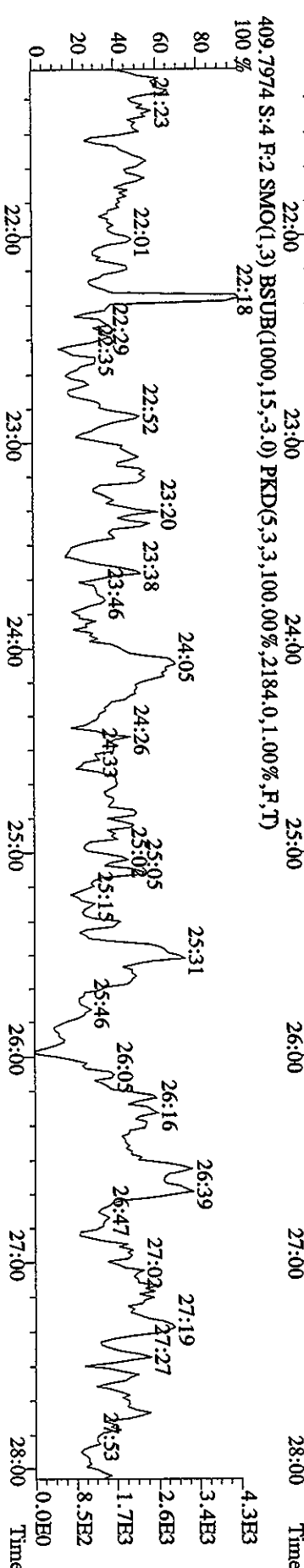
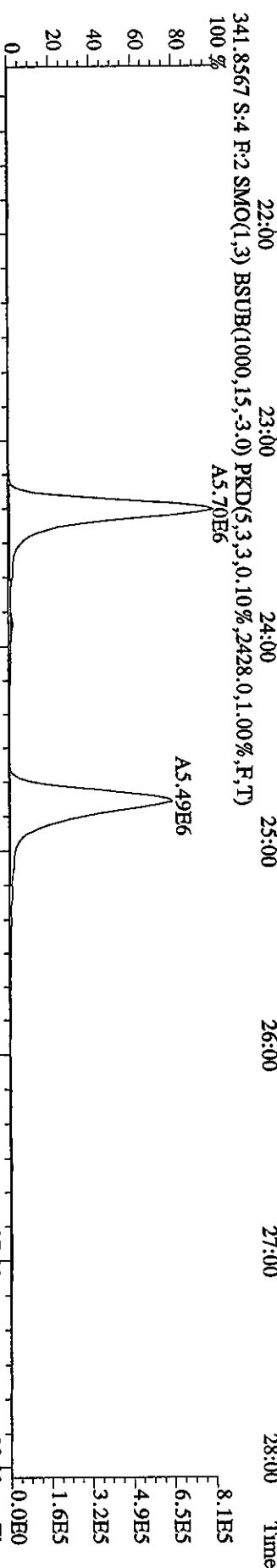
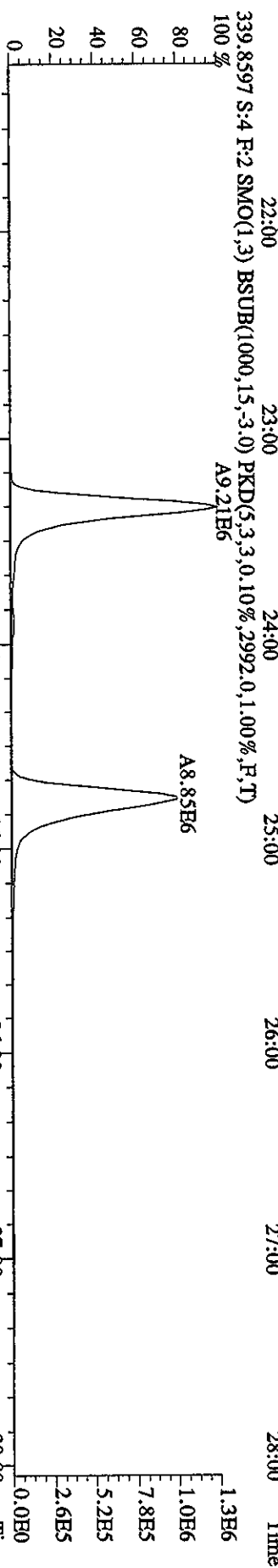
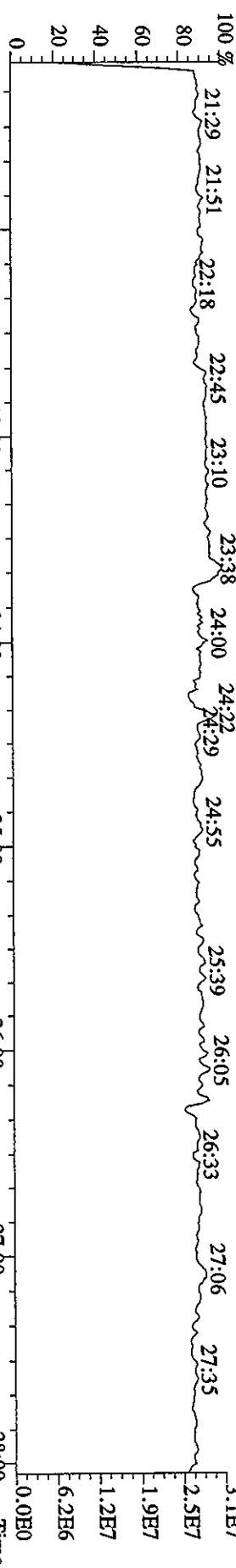
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2068.0,1.00%,F,T)



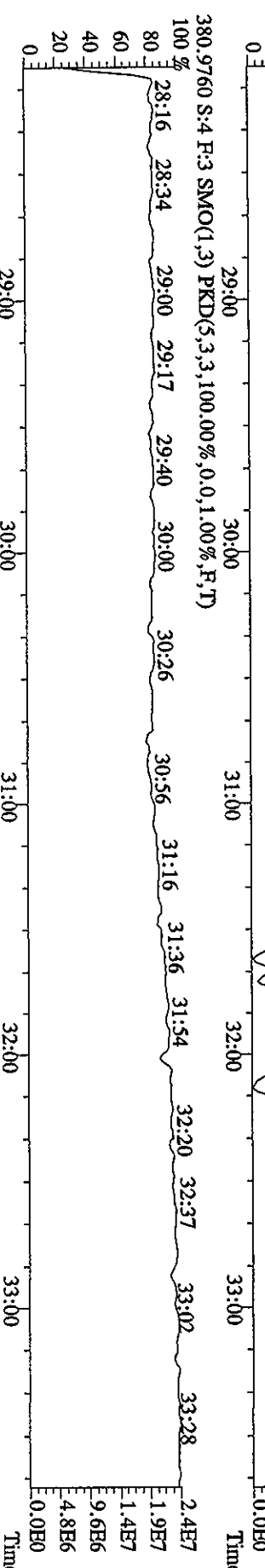
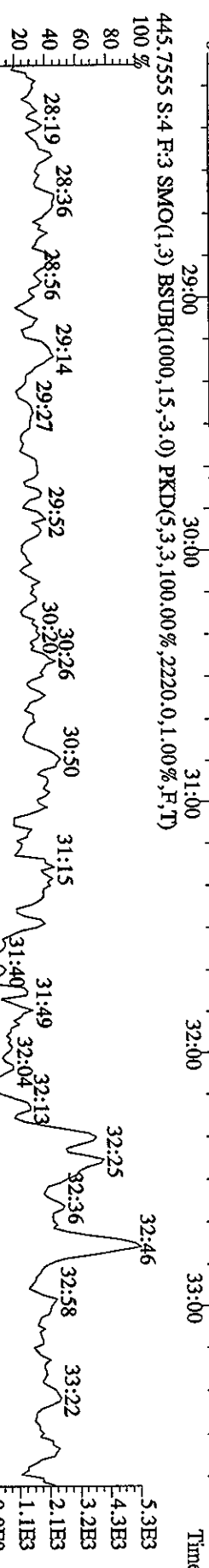
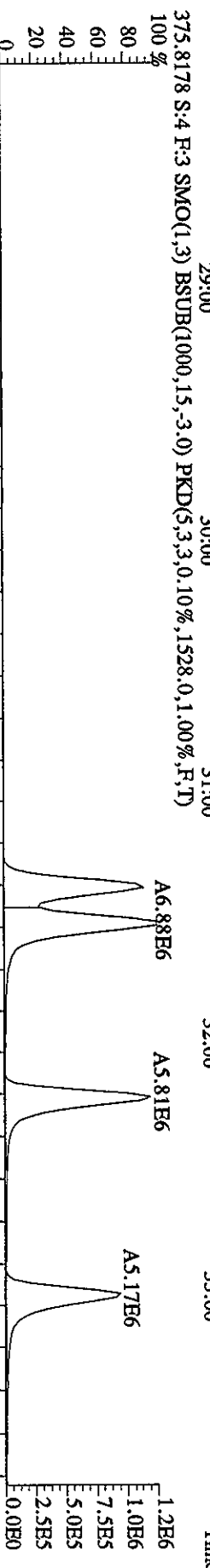
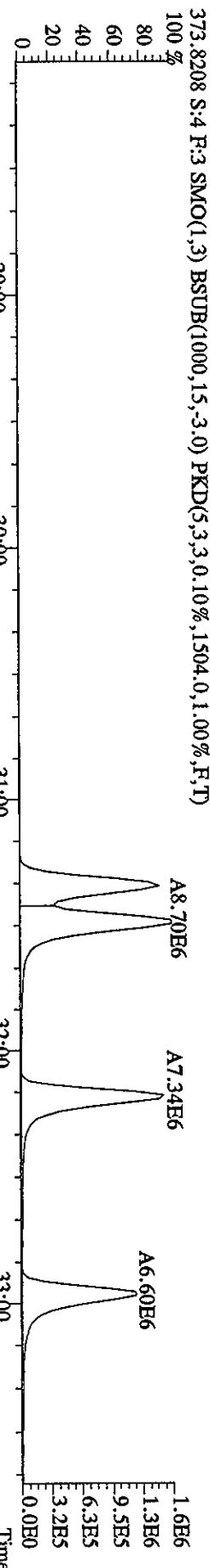
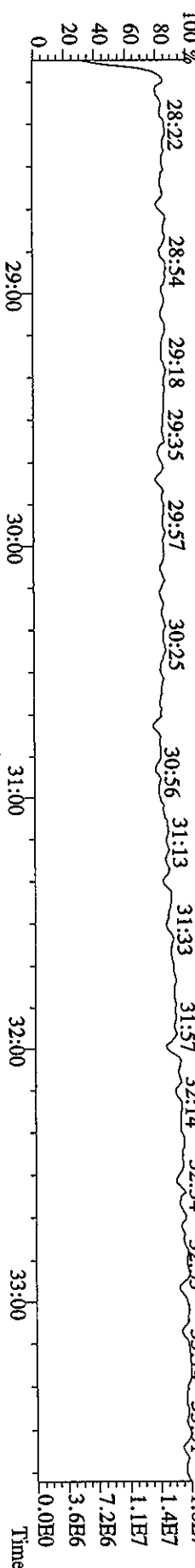
330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:28MR068D5 #1-483 Acq:28-MAR-2006 15:16:46 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0328B :CS2 2565-41B Exp:DIOXIN  
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 28MR068D5 #1-378 Acq: 28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: ST0328B :CS2 2565-41B Exp: DIOXIN  
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



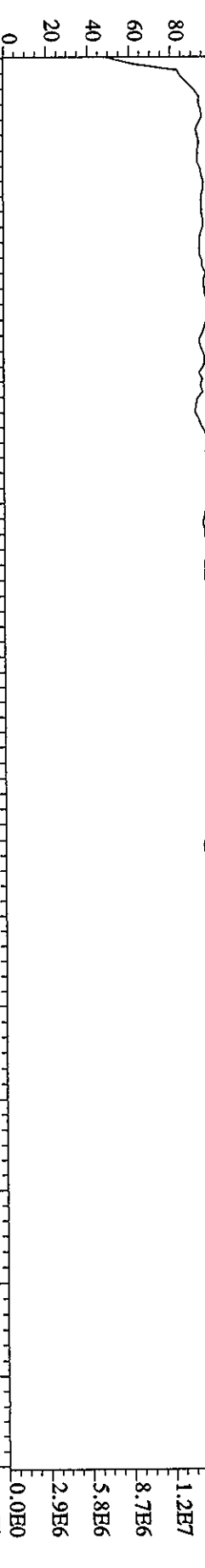
Sample#4 Text:ST0328B :CS2 2565-41B Exp:DIOXIN

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

34:00 34:17 34:40 34:55 35:05 35:15

35:39 35:51 36:07 36:17 36:27 36:40

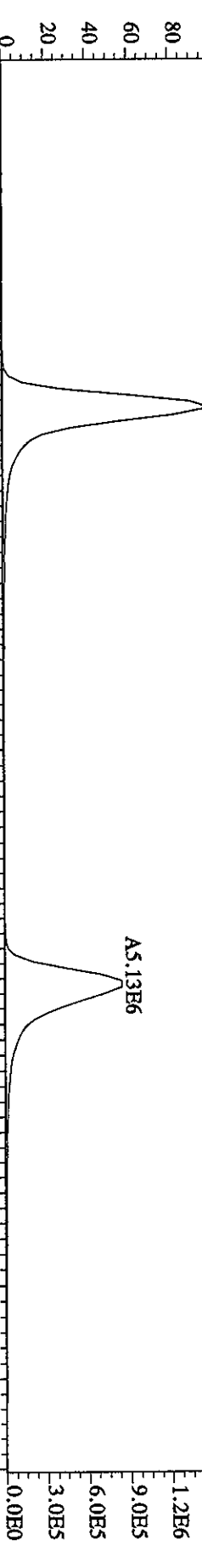
1.4E7



407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)

A5.13B6

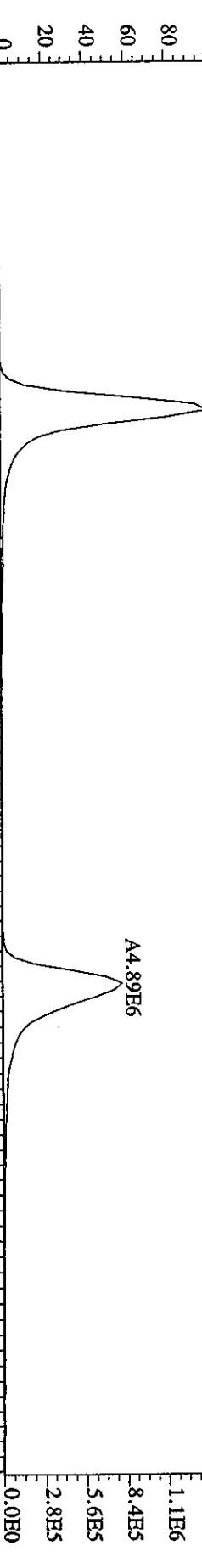
1.5B6



409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4144.0,1.00%,F,T)

A4.89B6

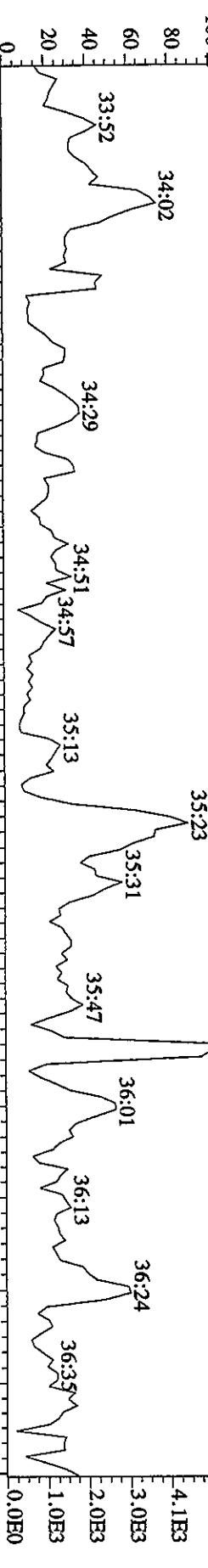
1.4B6



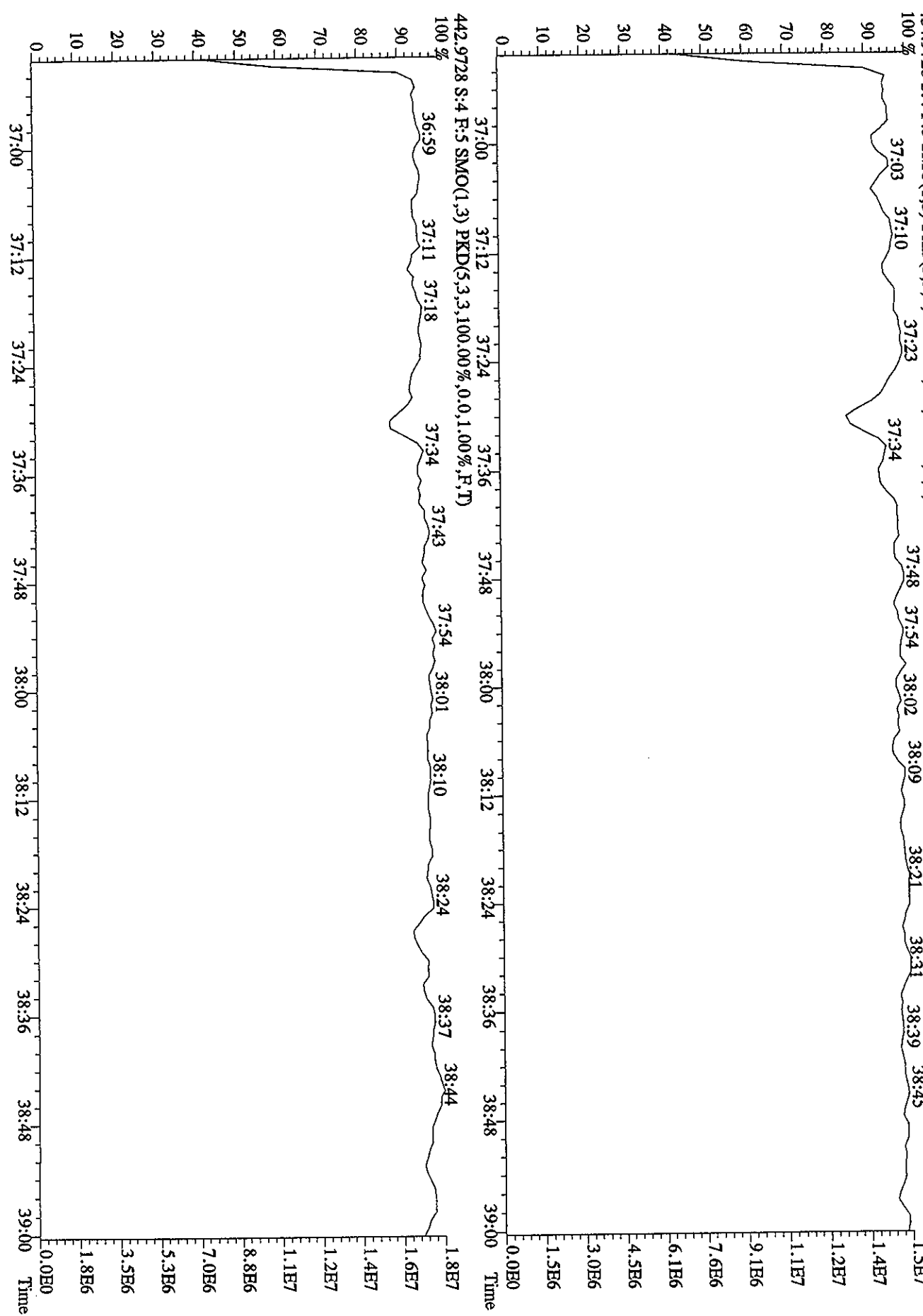
479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1544.0,1.00%,F,T)

5.1B3

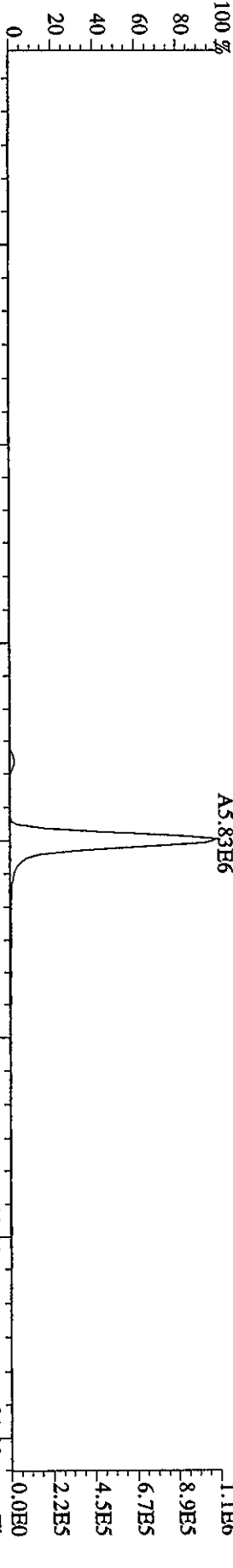
5.1B3



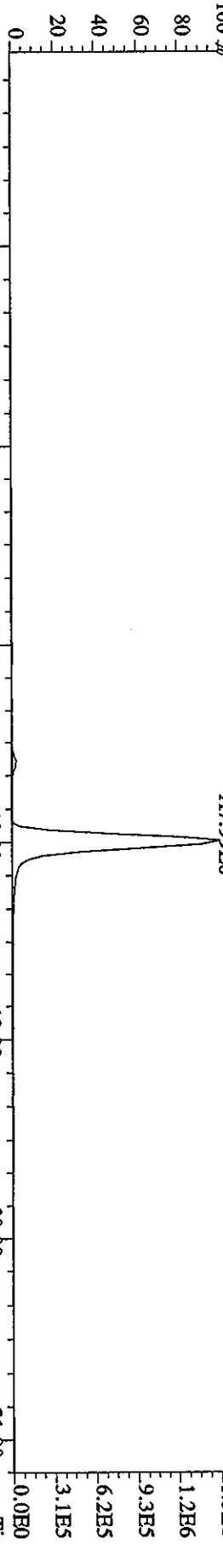
File: 28MR068D5 #1-157 Acq: 28-MAR-2006 15:16:46 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0328B :CS2 2565-41B Exp: DIOXIN  
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,100%,F,T)



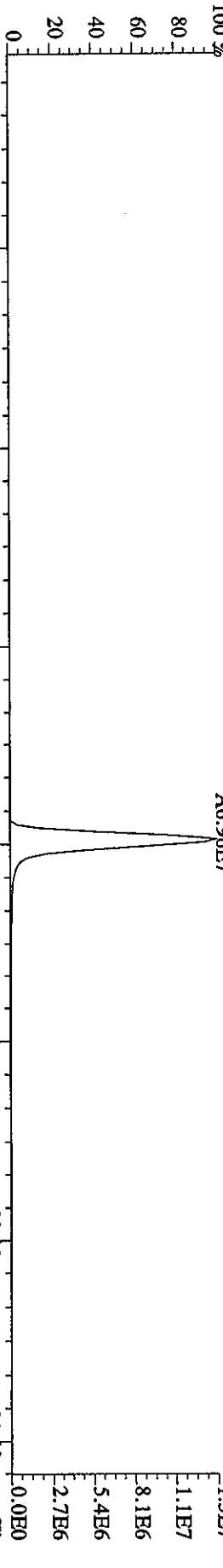
File:28MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#3 Tex:ST0328A :CS3 2565-41C Exp:DIOXIN  
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3424,0,1,00%,F,T)



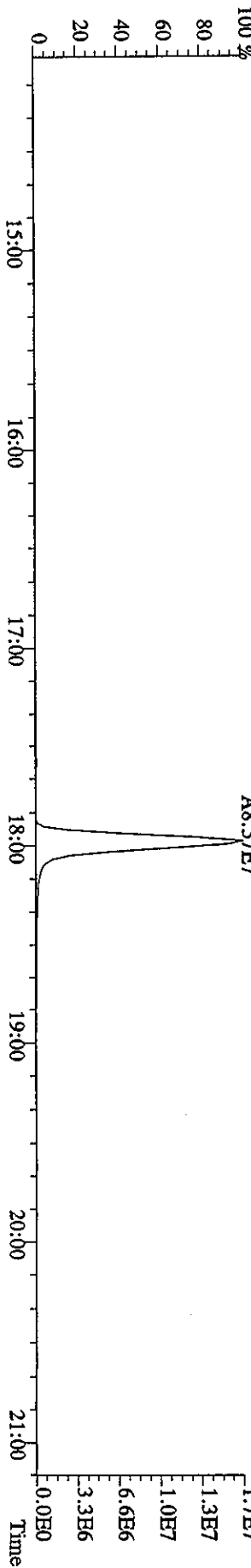
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1804,0,1,00%,F,T)



315.9419 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3488,0,1,00%,F,T)



317.9389 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3780,0,1,00%,F,T)



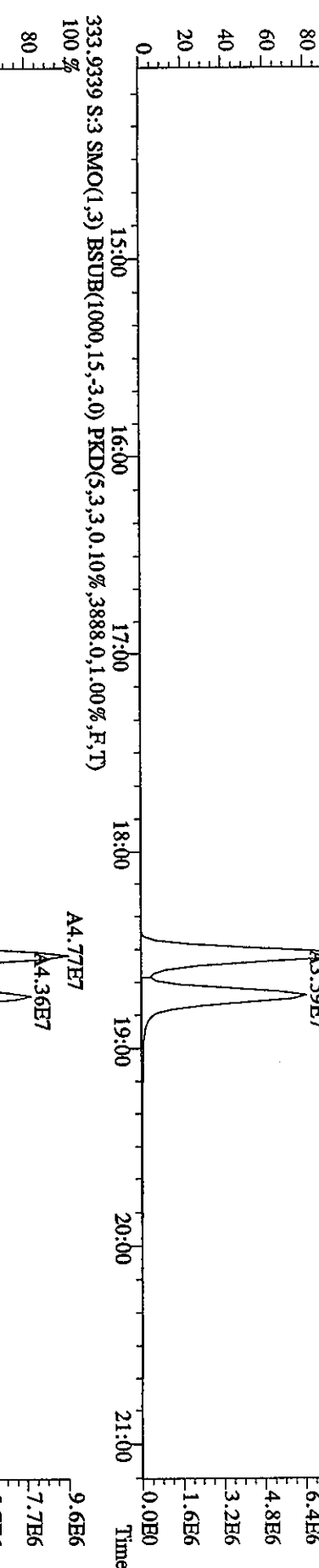
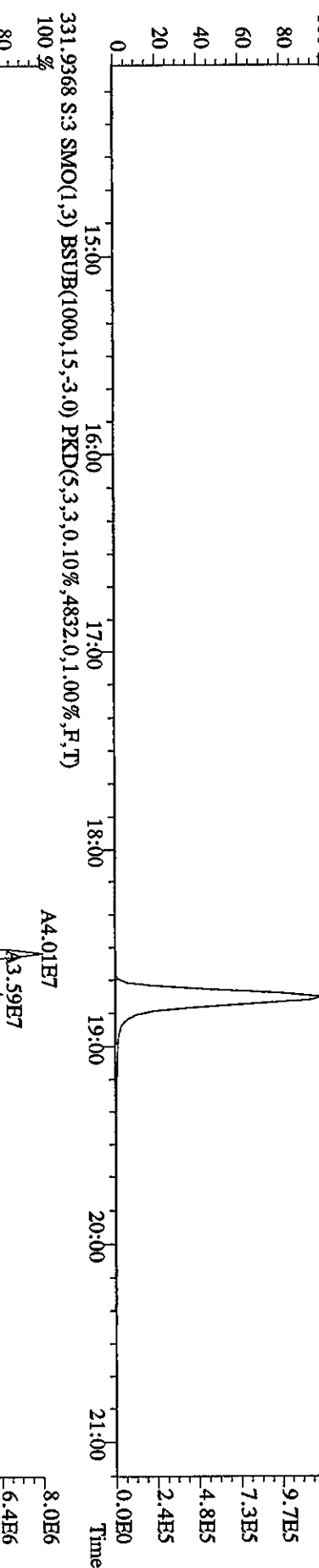
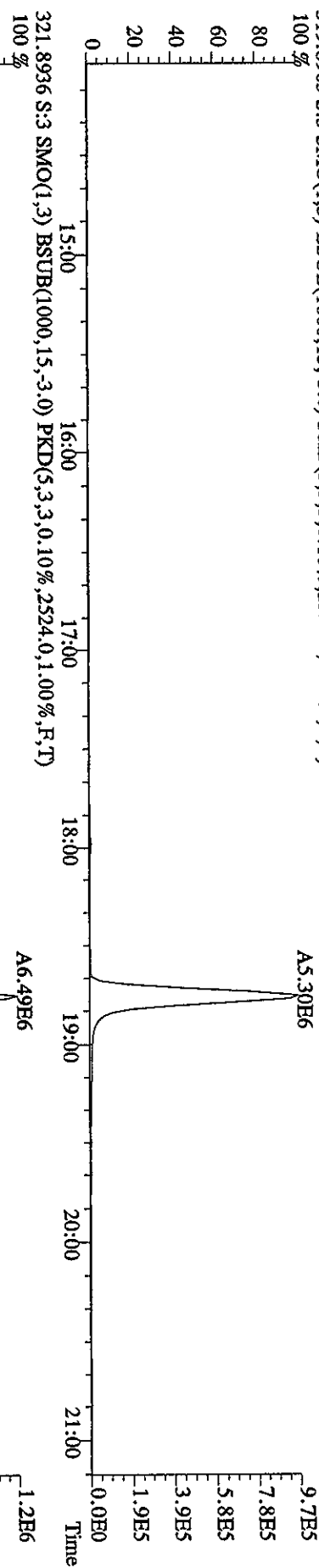
1.1E6  
8.9E5  
6.7E5  
4.5E5  
2.2E5  
0.0E0

1.5E6  
1.2E6  
9.3E5  
6.2E5  
3.1E5  
0.0E0

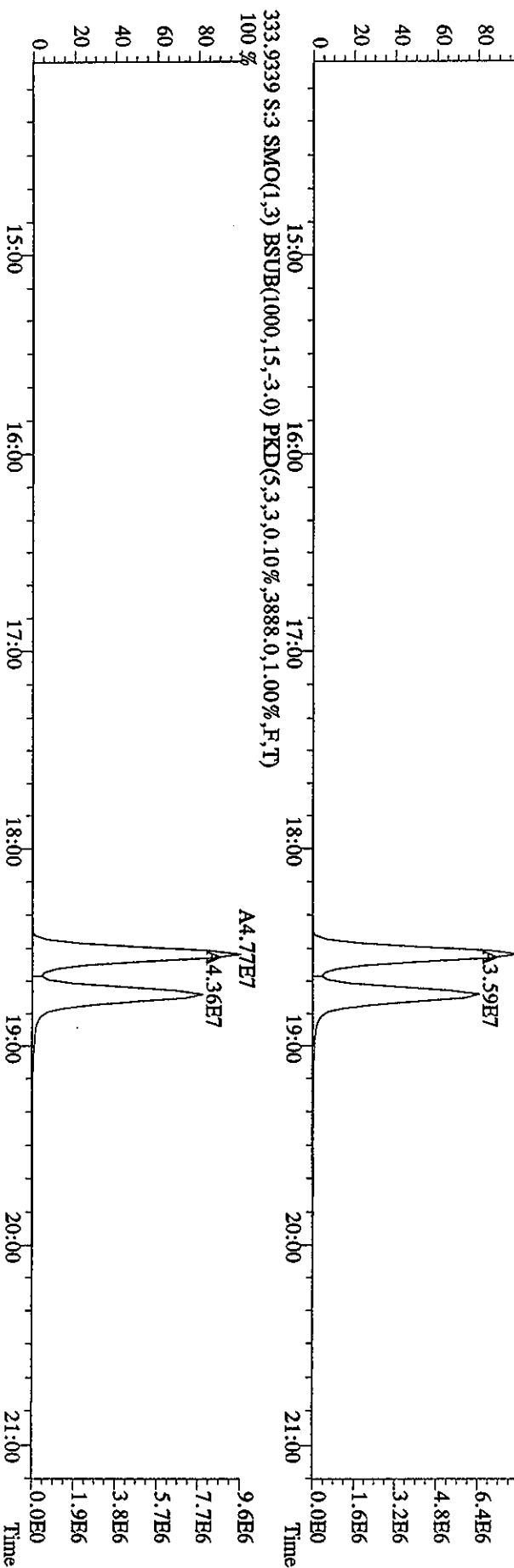
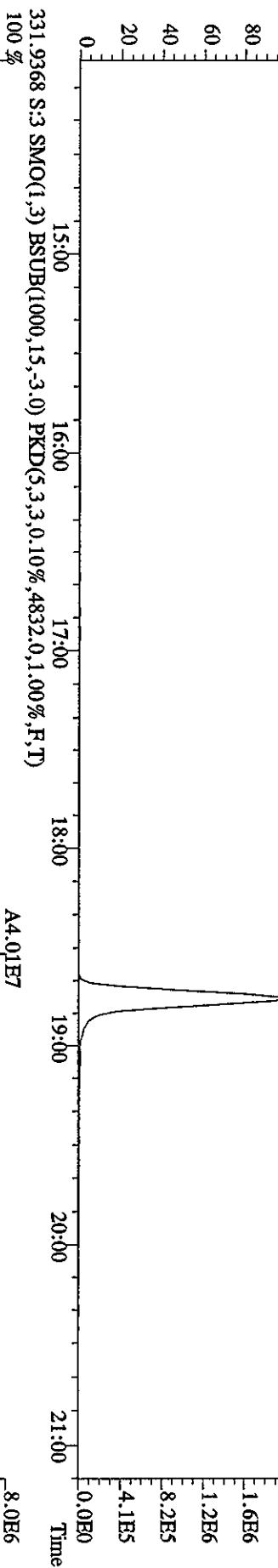
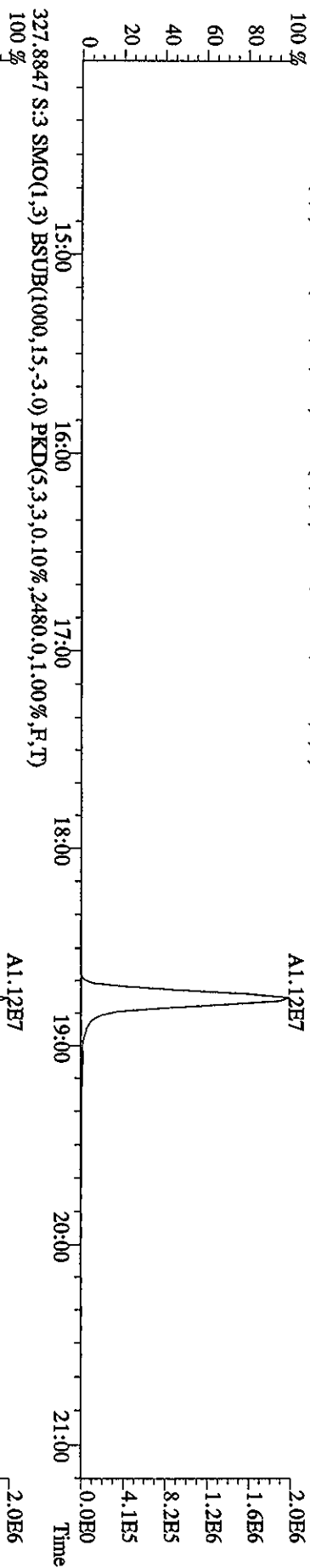
1.3E7  
1.1E7  
8.1E6  
5.4E6  
2.7E6  
0.0E0

1.7E7  
1.3E7  
1.0E7  
6.6E6  
3.3E6  
0.0E0

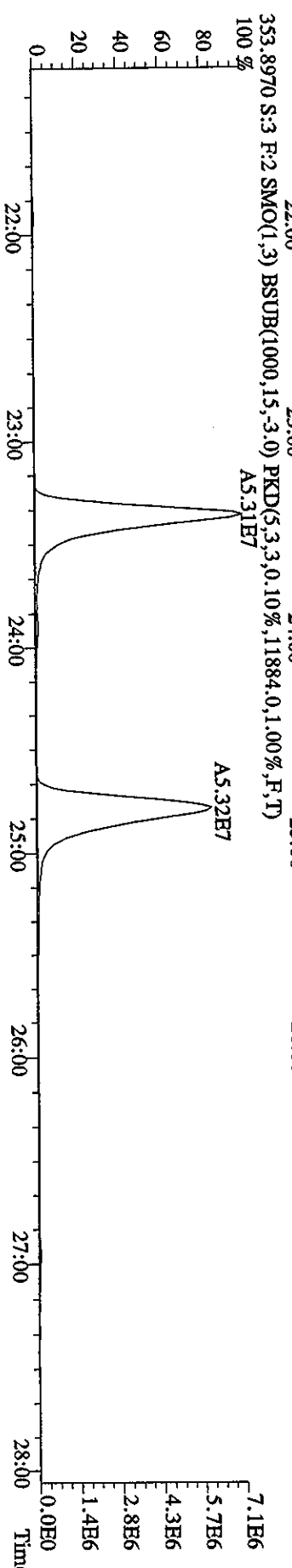
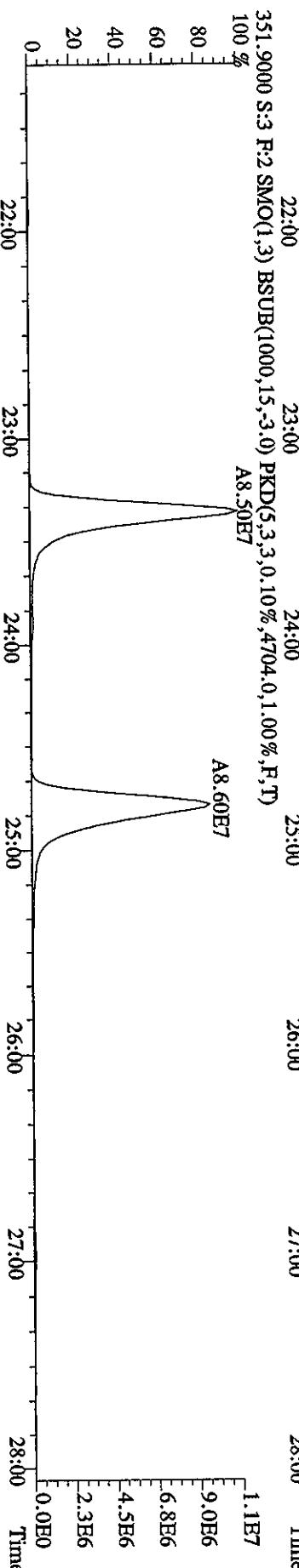
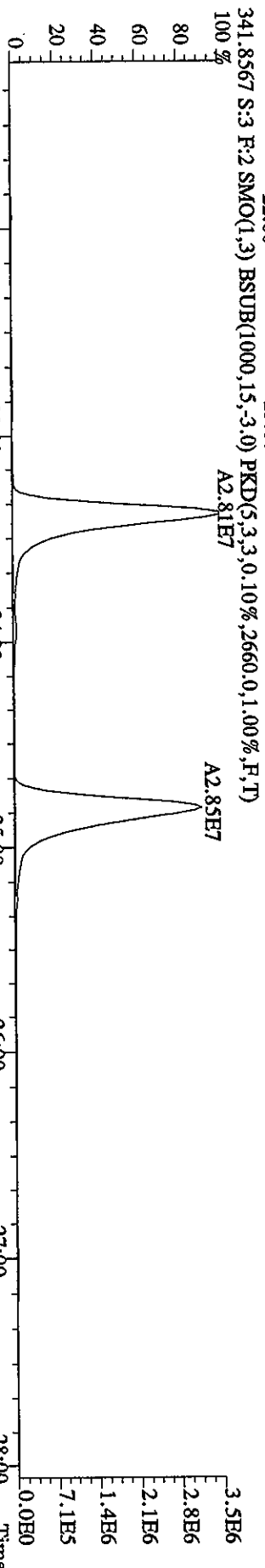
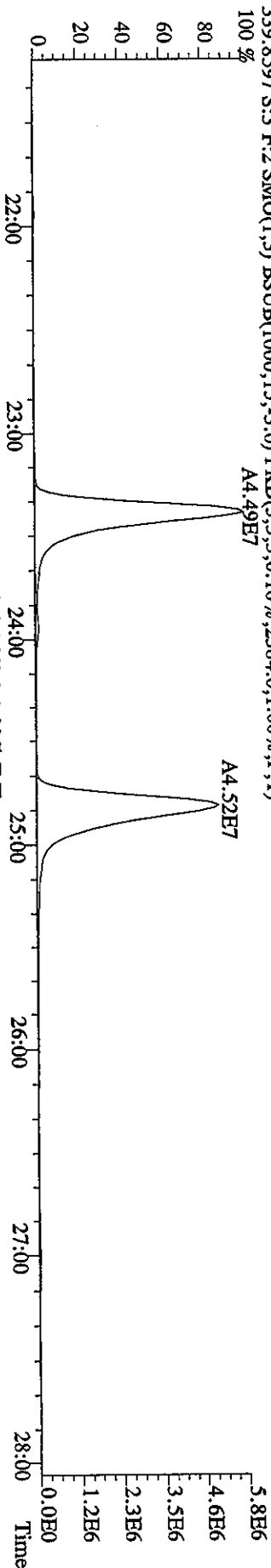
File:28MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2324.0,1.00%,F,T)



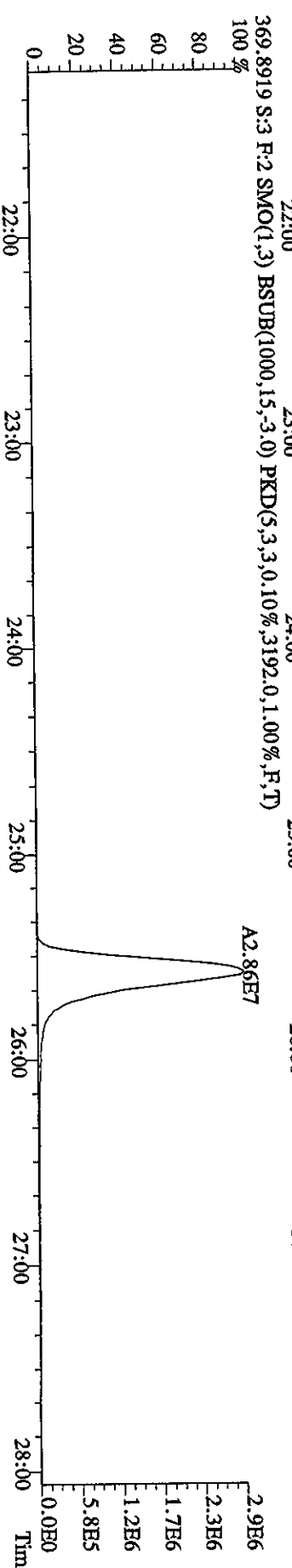
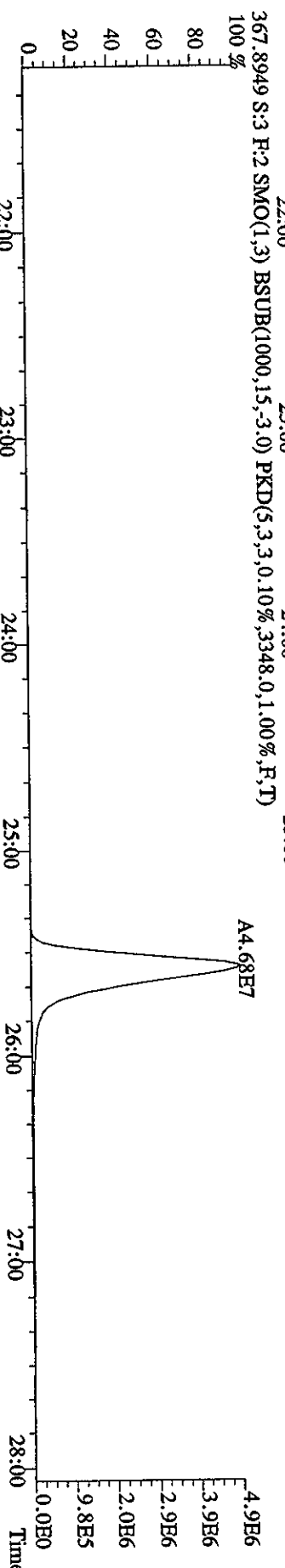
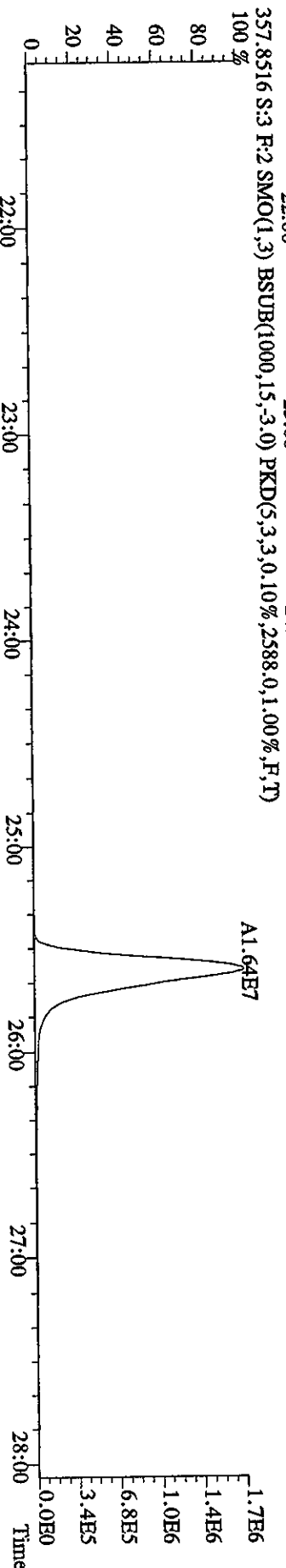
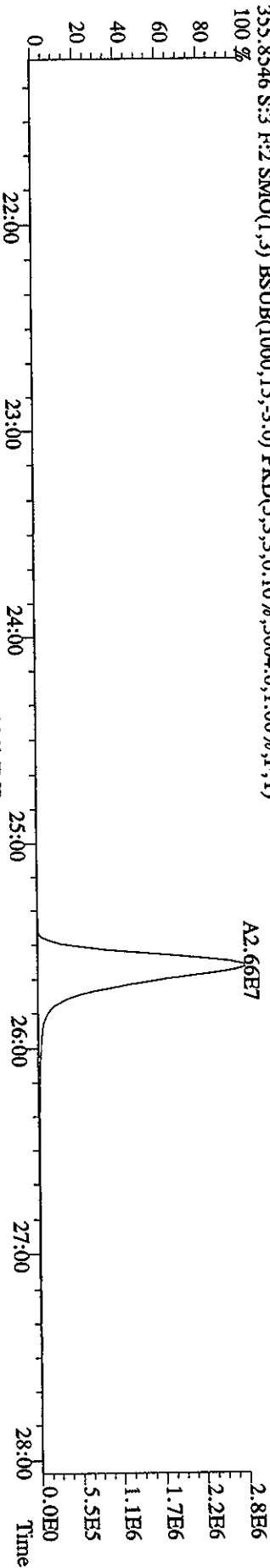
File:28MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2480,0,1,00%,F,T)



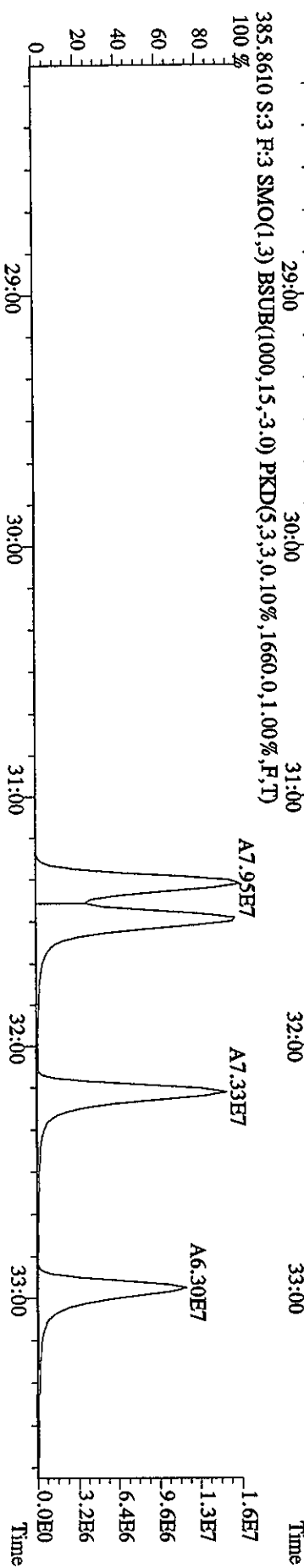
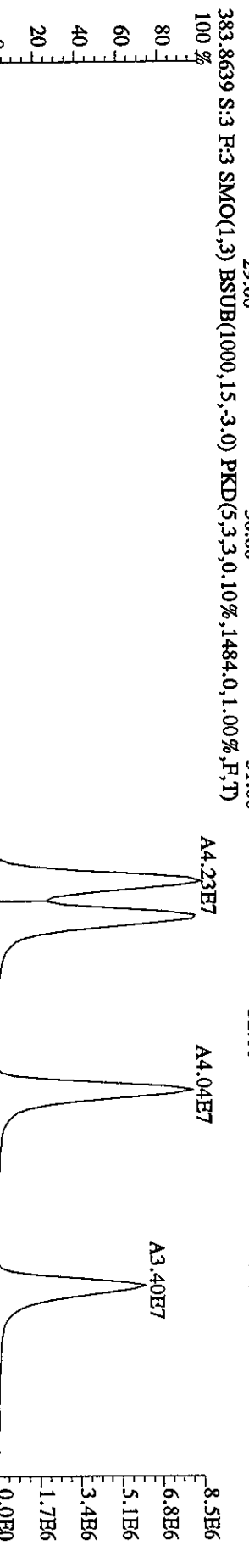
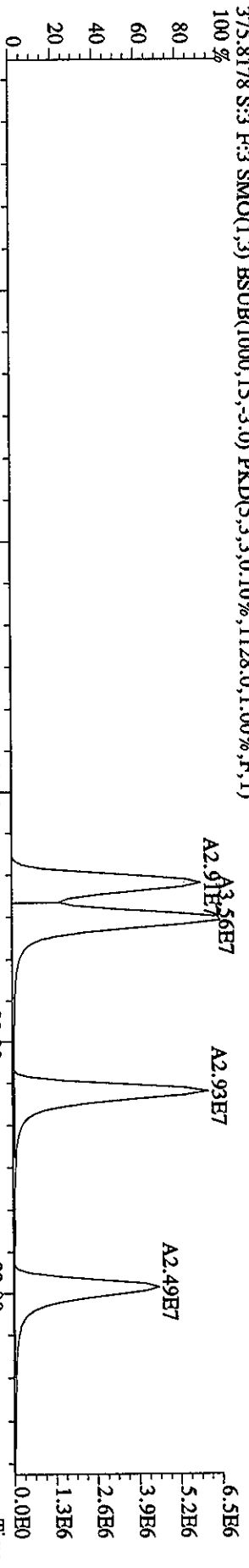
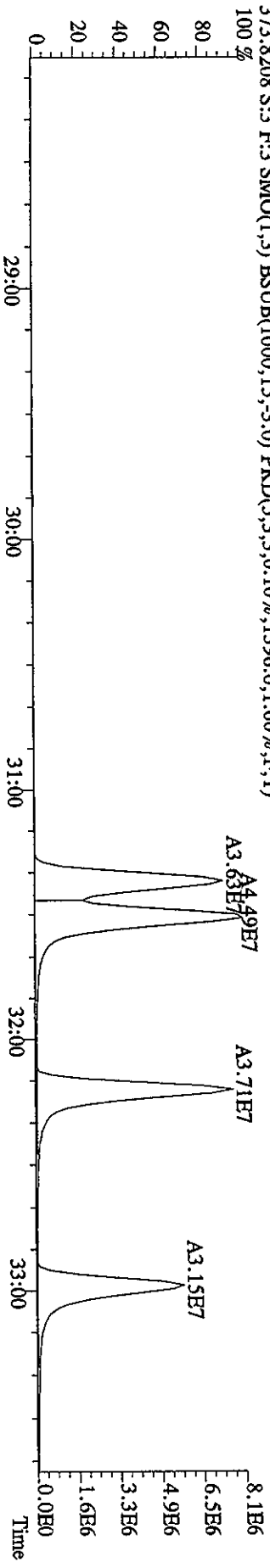
File:28MR068D5 #1-483 Acq:28-MAR-2006 14:34:55 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2384.0,1.00%,F,T)  
 A4.49E7



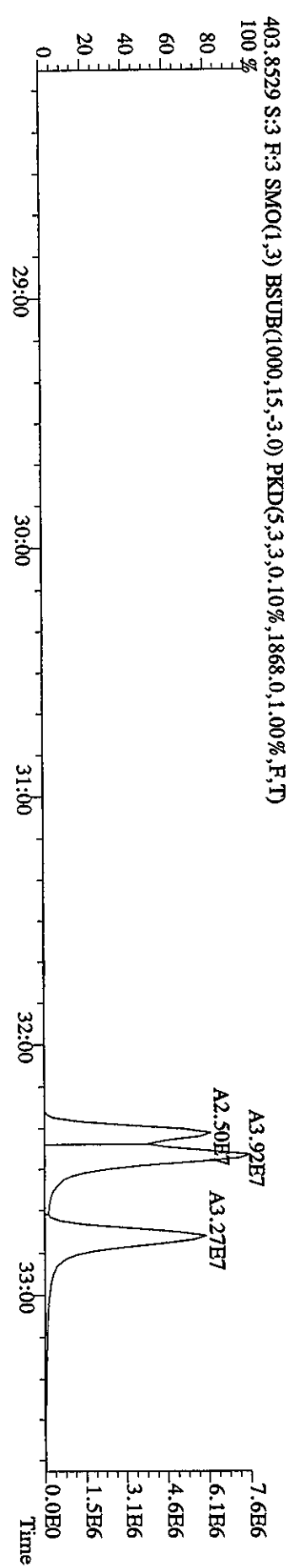
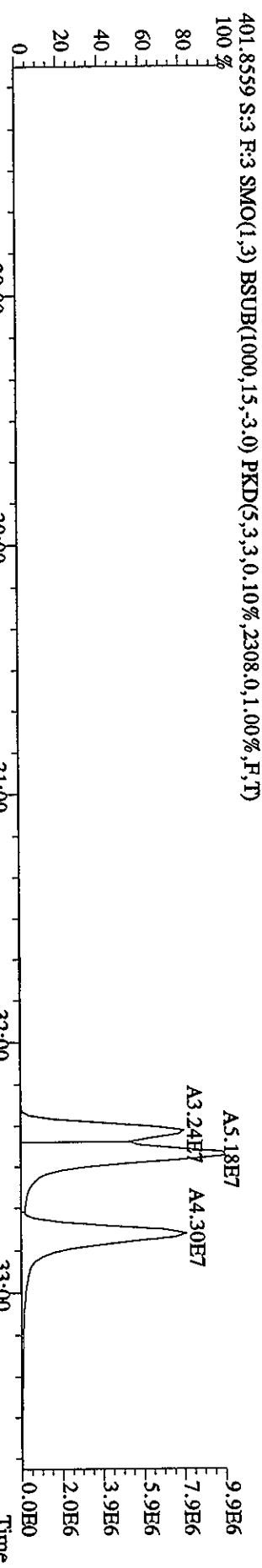
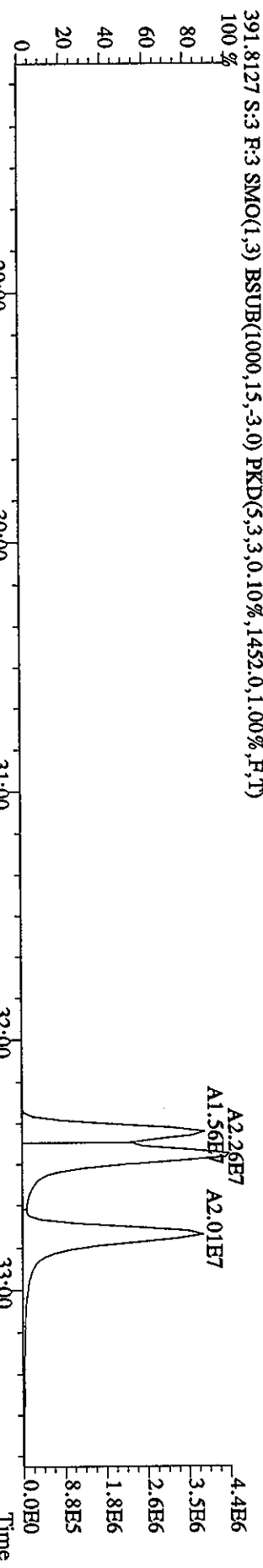
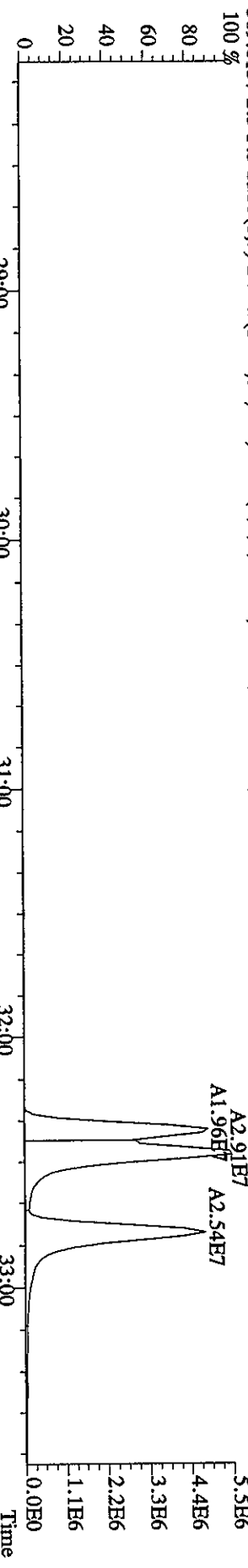
File:28MR068D5 #1-483 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3004.0,1.00%,F,T)  
 100 %



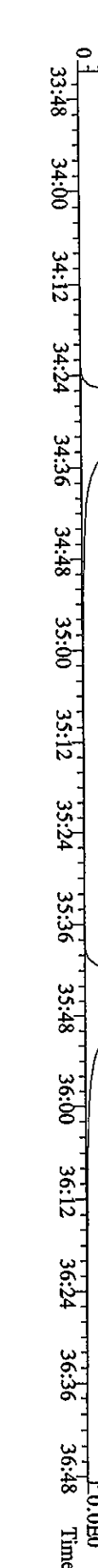
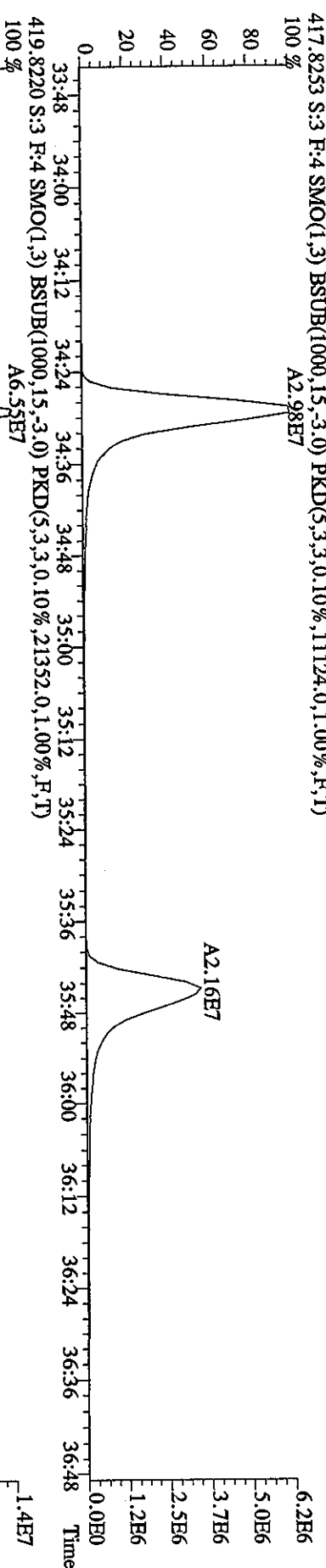
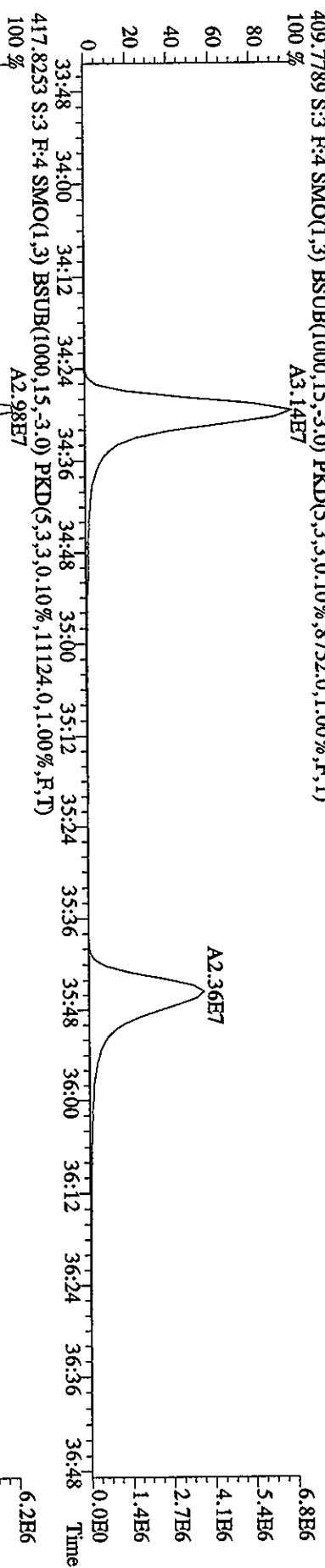
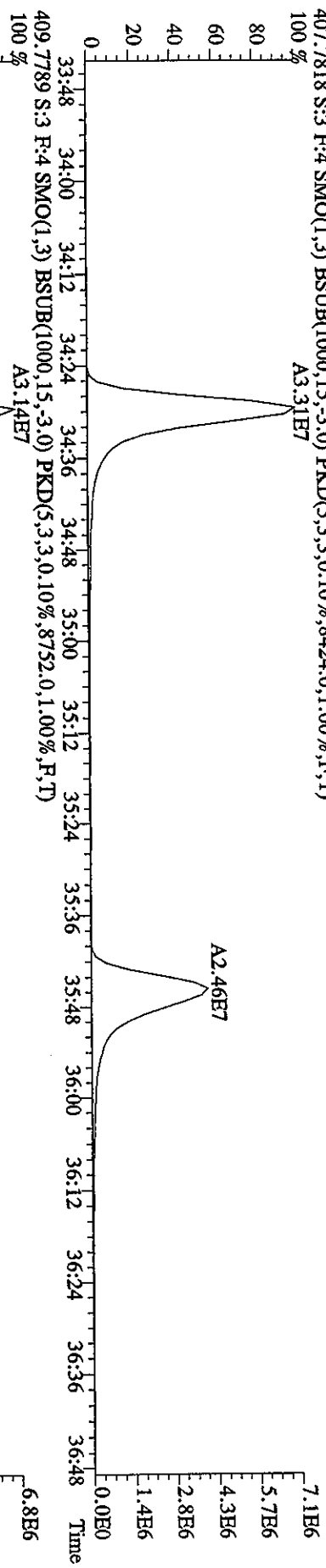
File:28MR068D5 #1-378 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1396.0,1.00%,F,T)



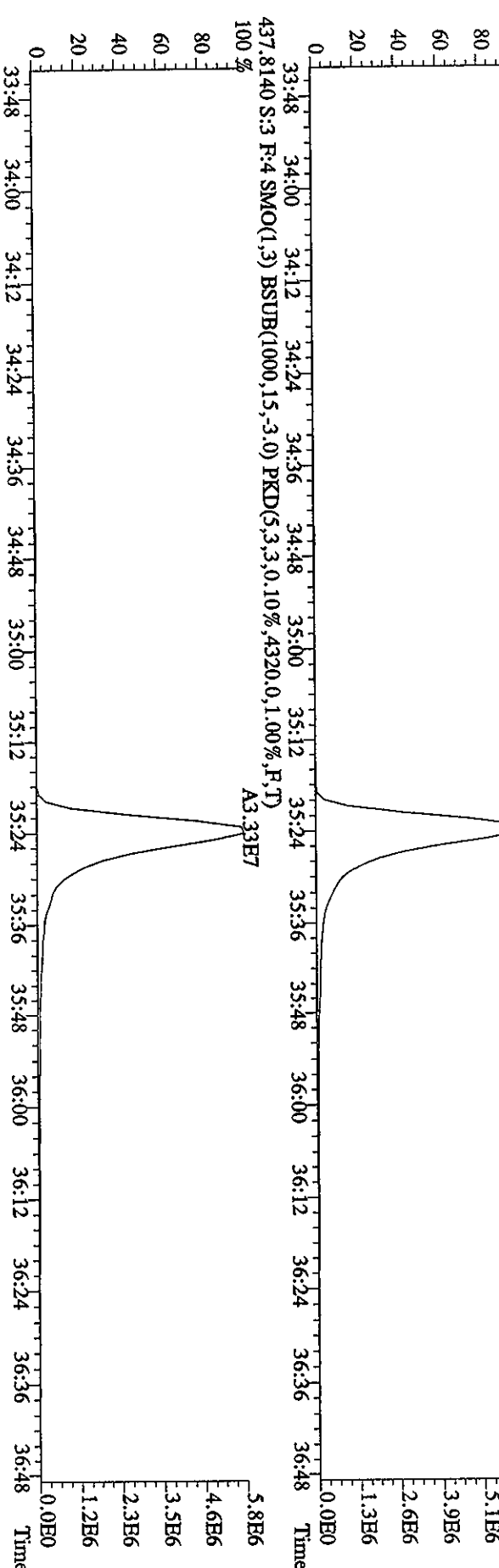
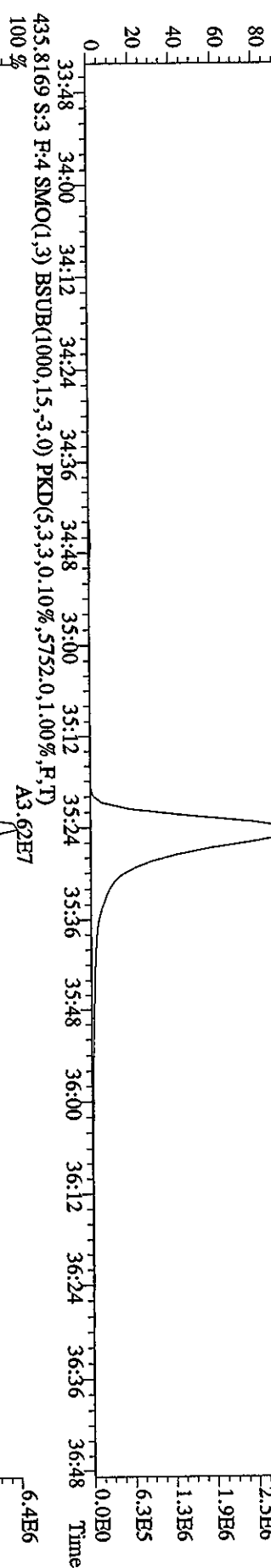
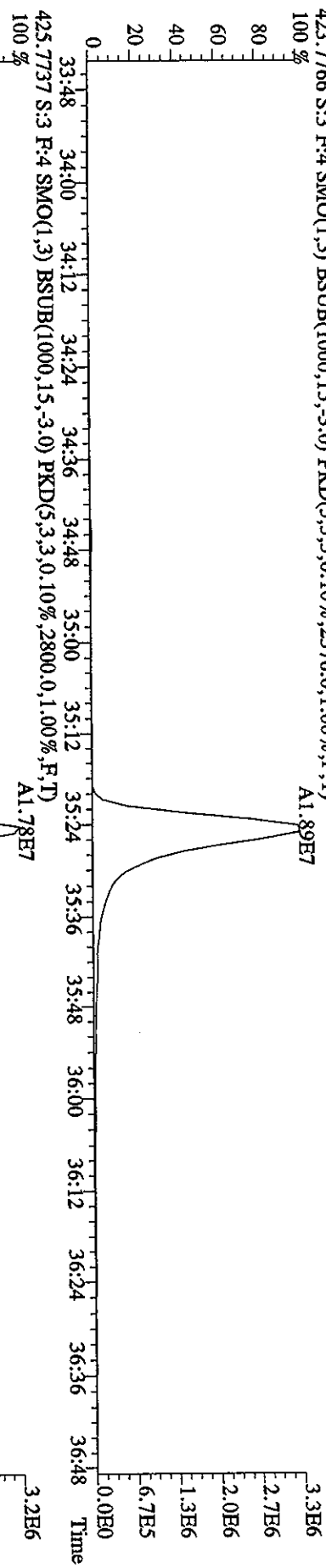
File:28MR068D5 #1-378 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1664.0,1.00%,F,T)



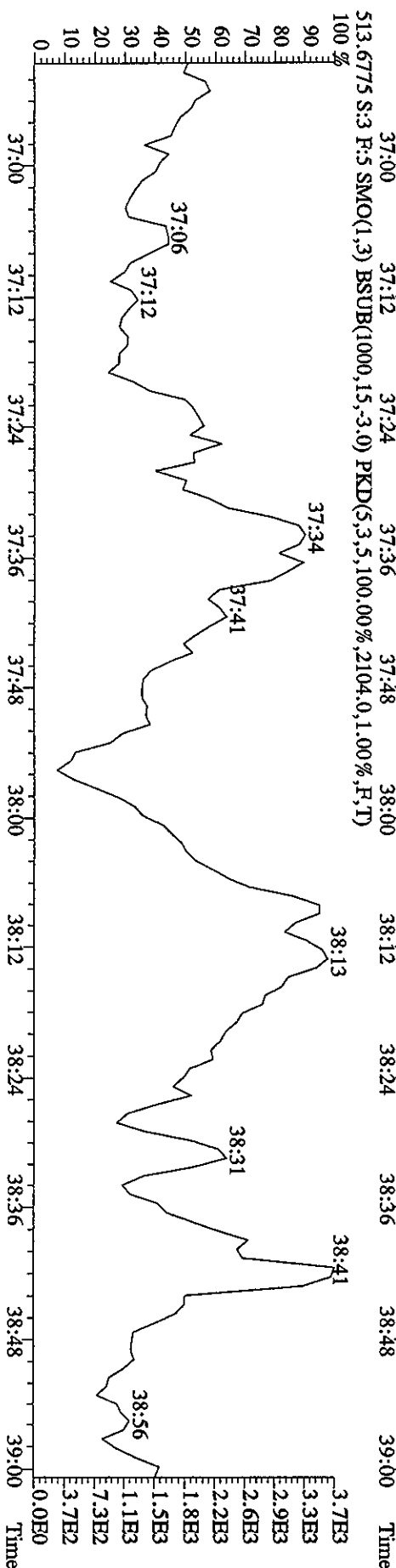
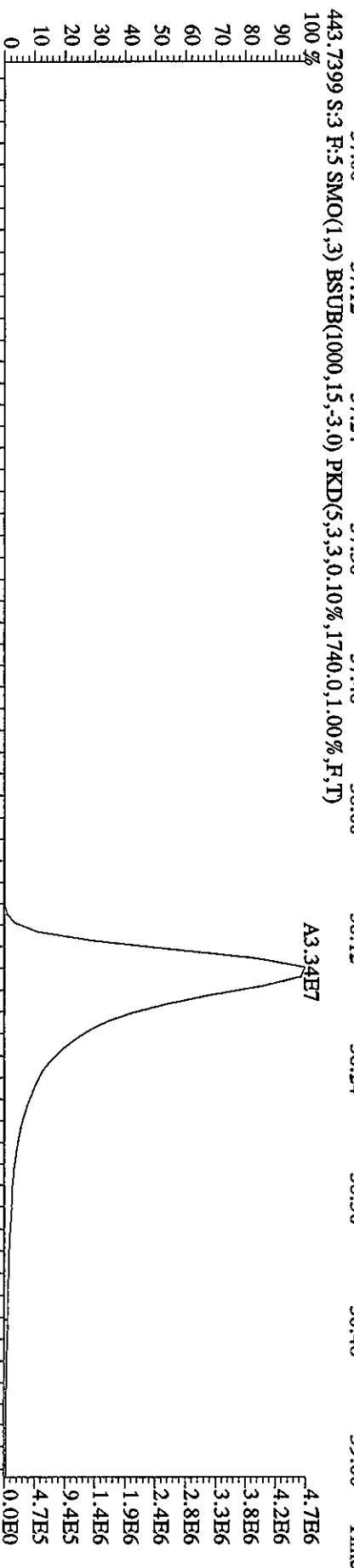
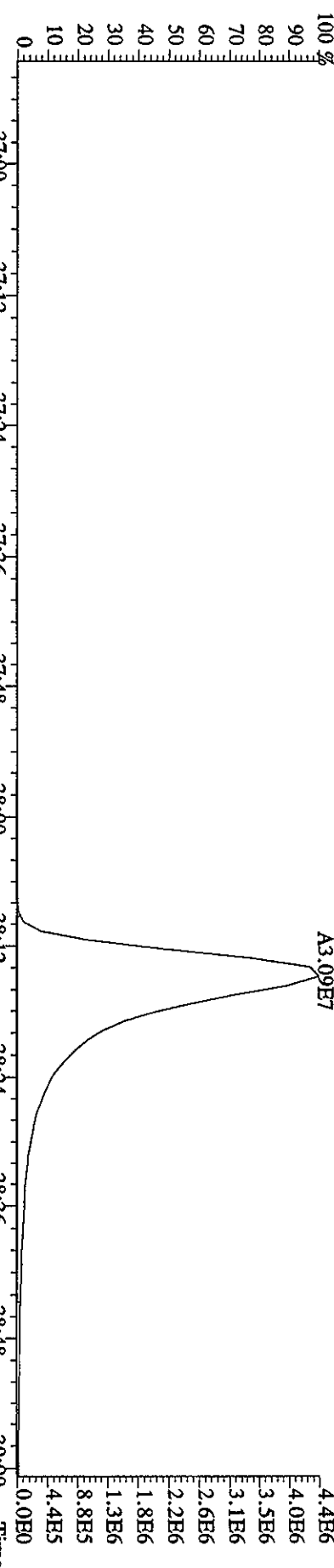
File:28MR068D5 #1-217 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8424.0,1.00%,F,T)  
 100%



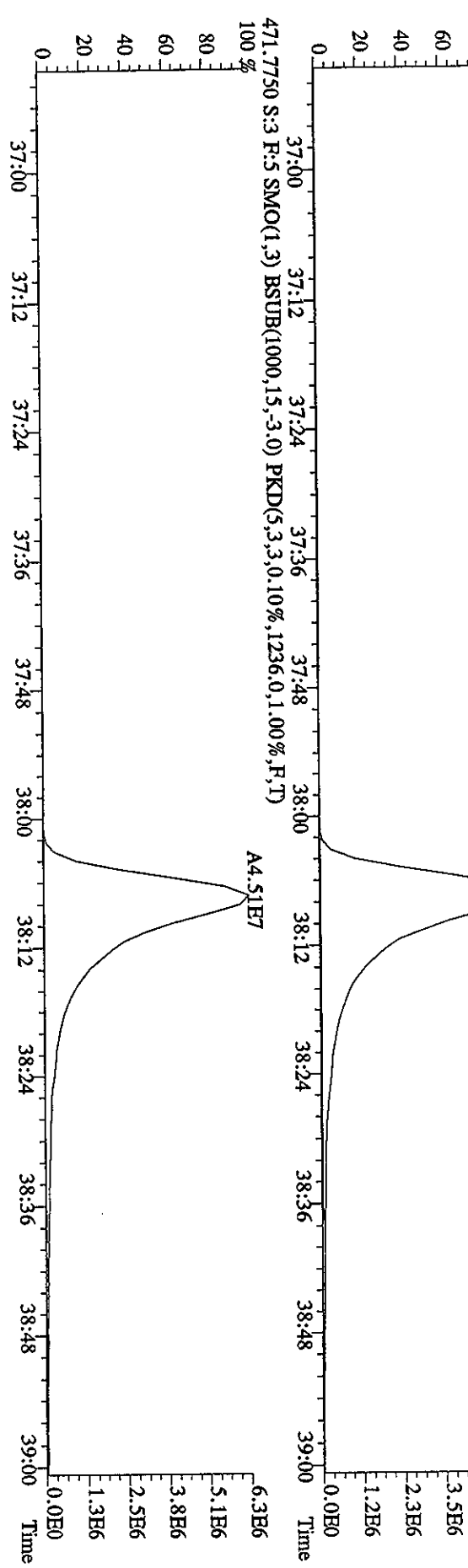
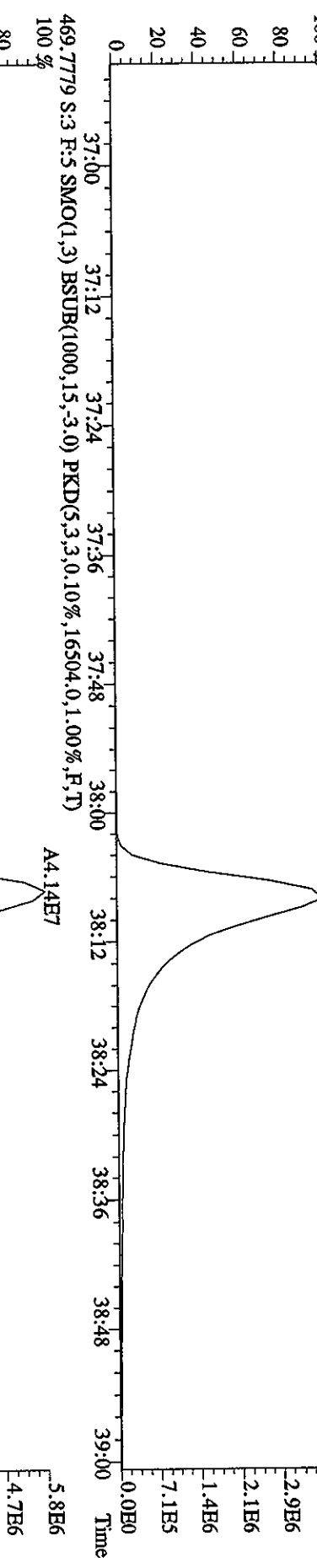
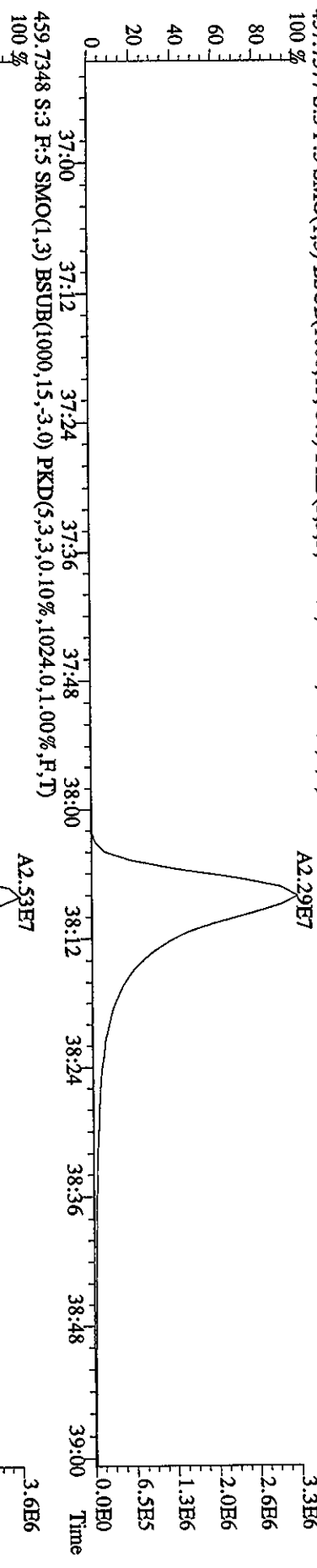
File: 28MR068D5 #1-217 Acq: 28-MAR-2006 14:34:55 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#3 Text: ST0328A :CS3 2565-41C Exp: DIOXIN  
 423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2376.0,1.00%,F,T)  
 100%



File:28MR068D5 #1-157 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,1968,0,1.00%,F,T)

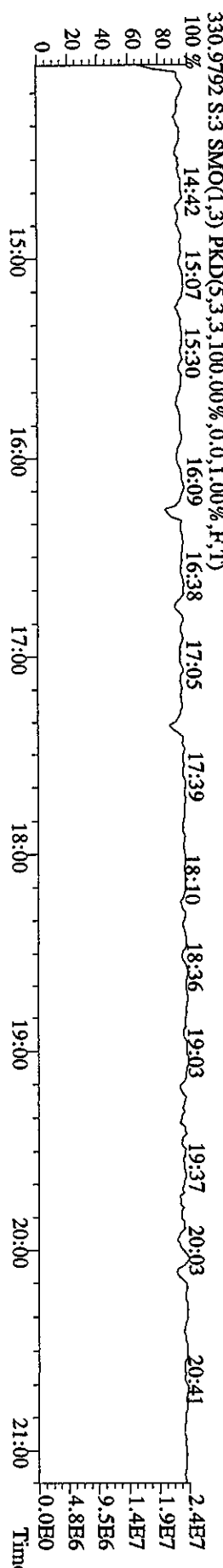
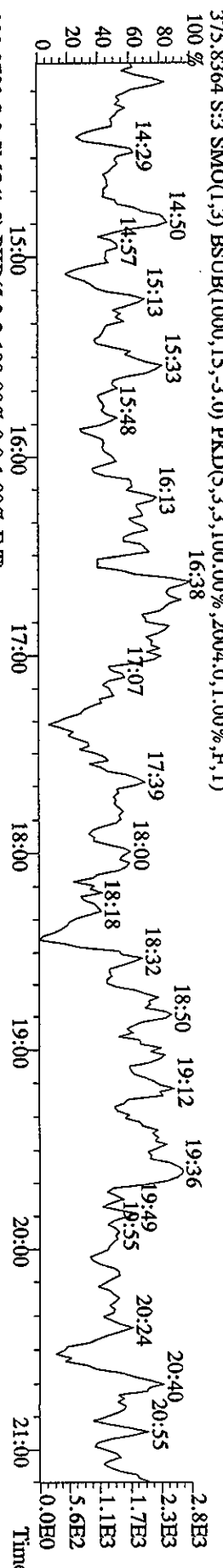
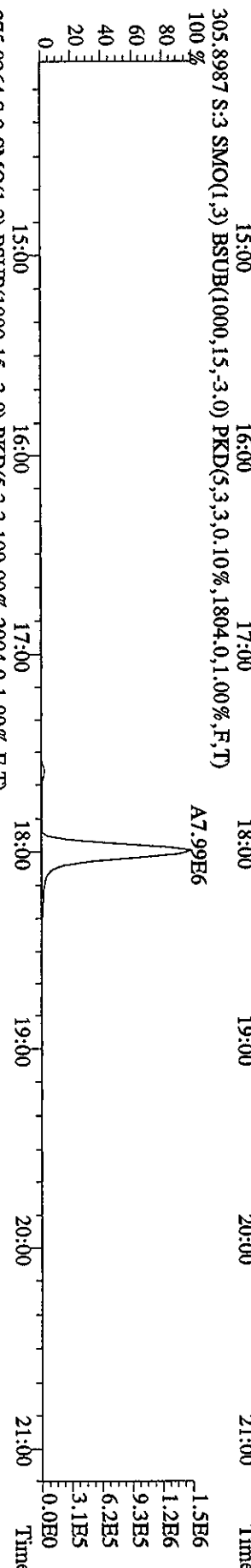
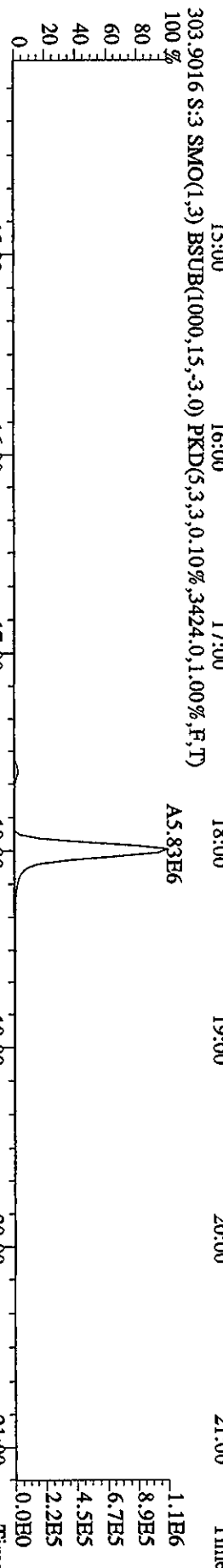
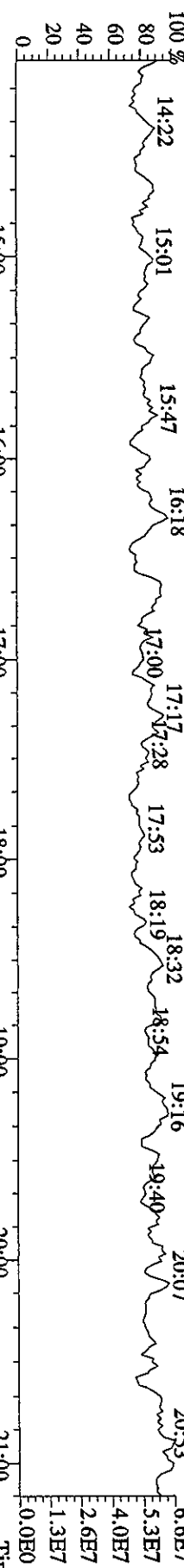


File:28MR068D5 #1-157 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.676,0.1,0.00%,F,T)

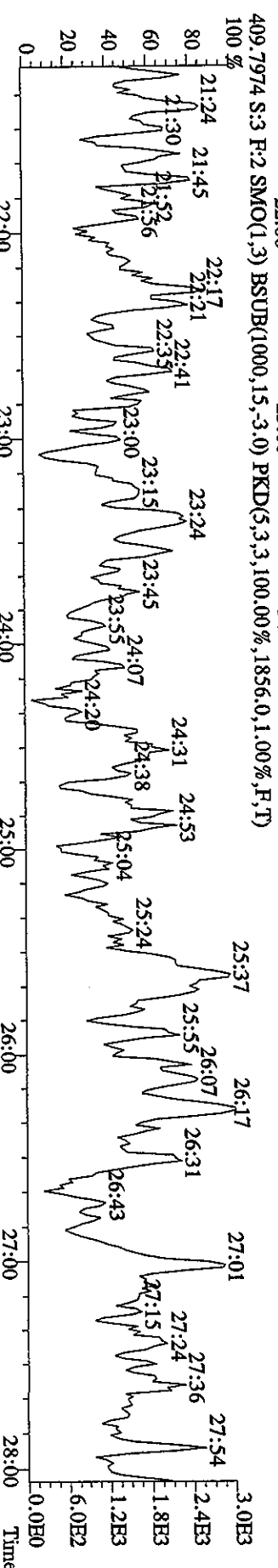
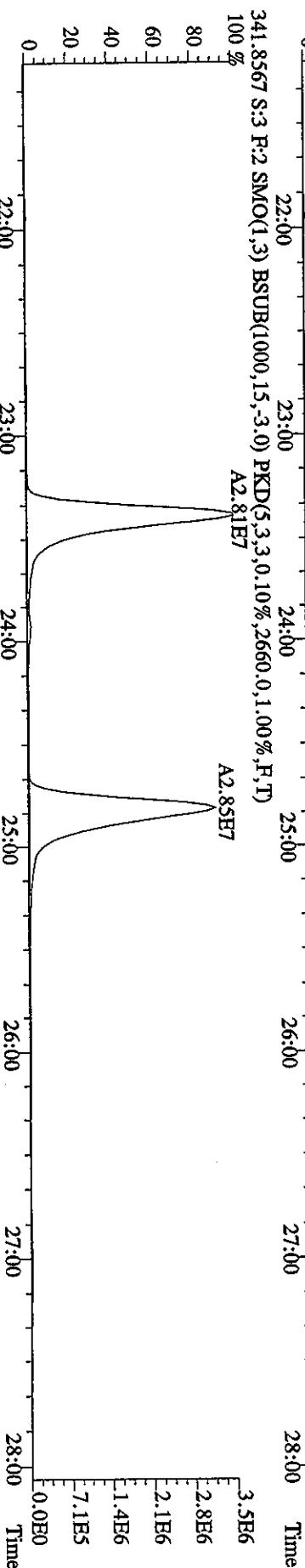
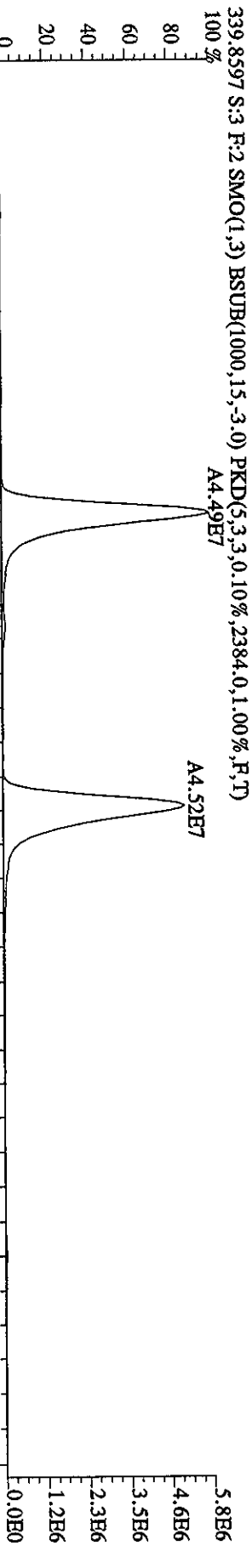
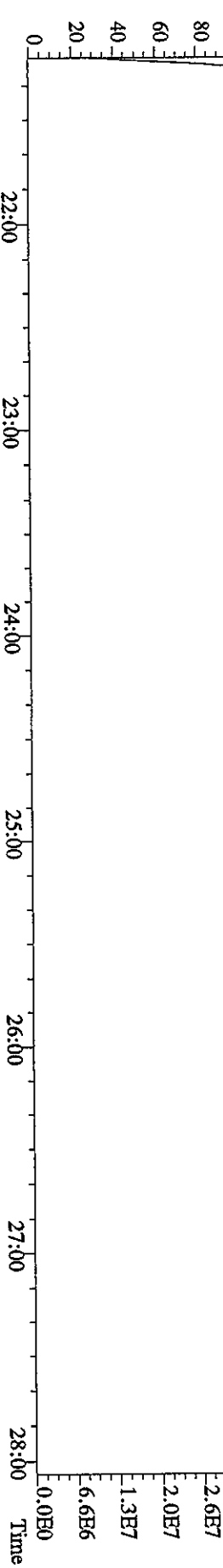


File:28MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC HI+ Voltage SIR Autospec-UltimaE

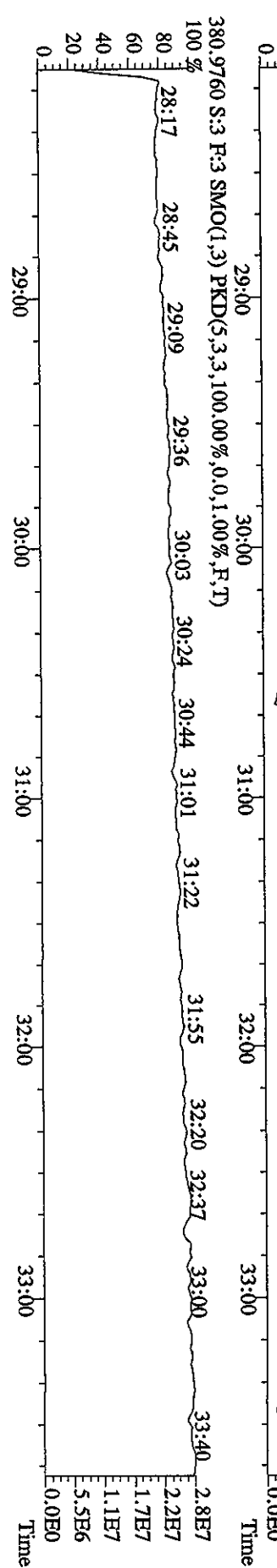
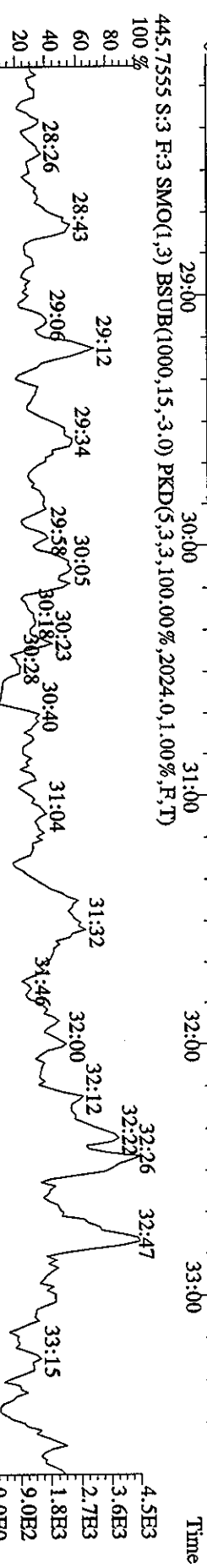
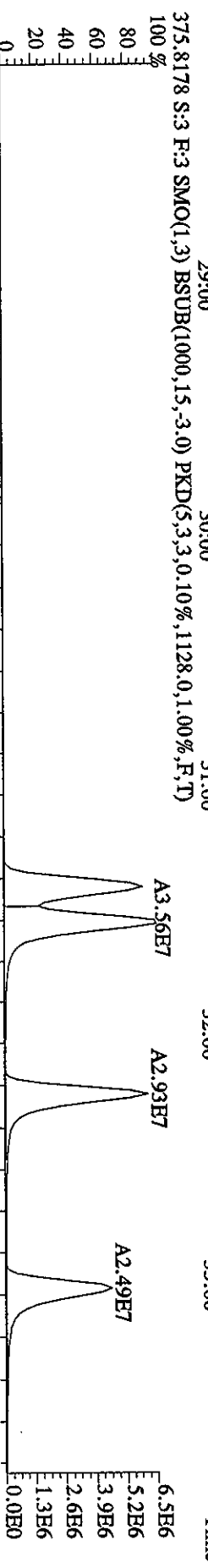
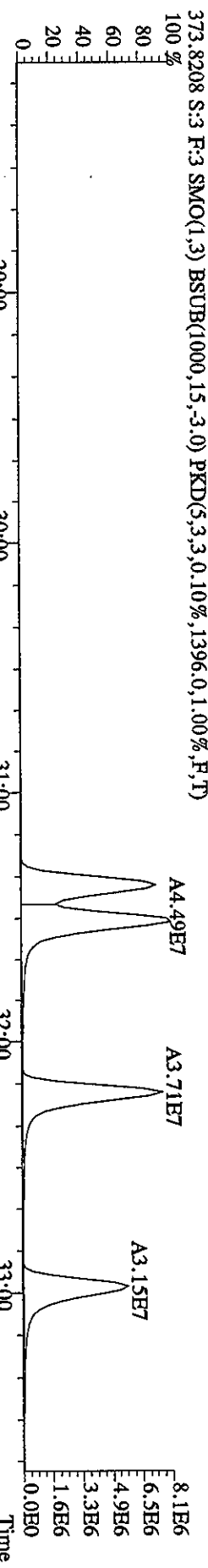
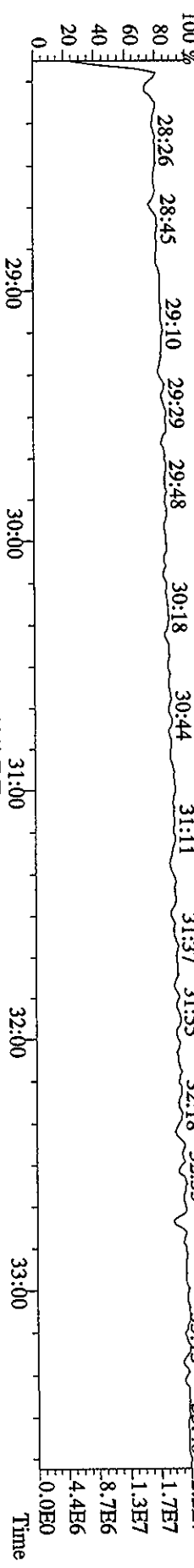
Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN

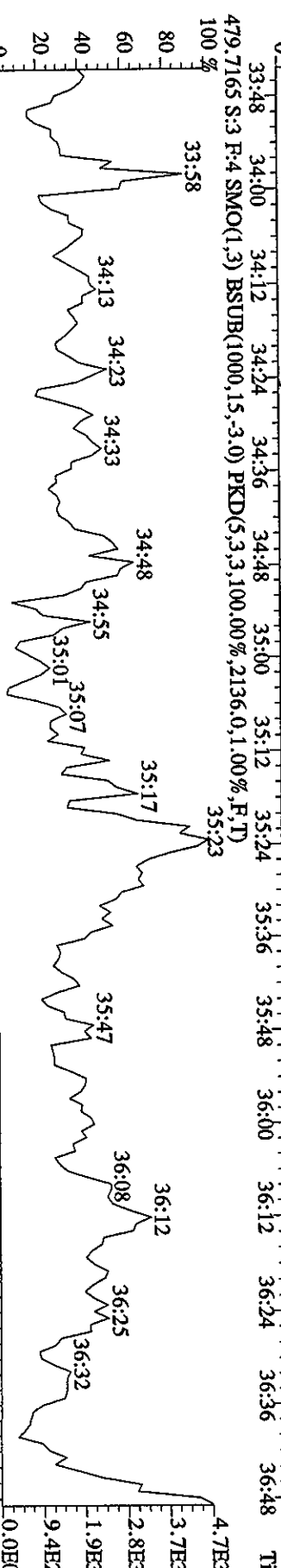
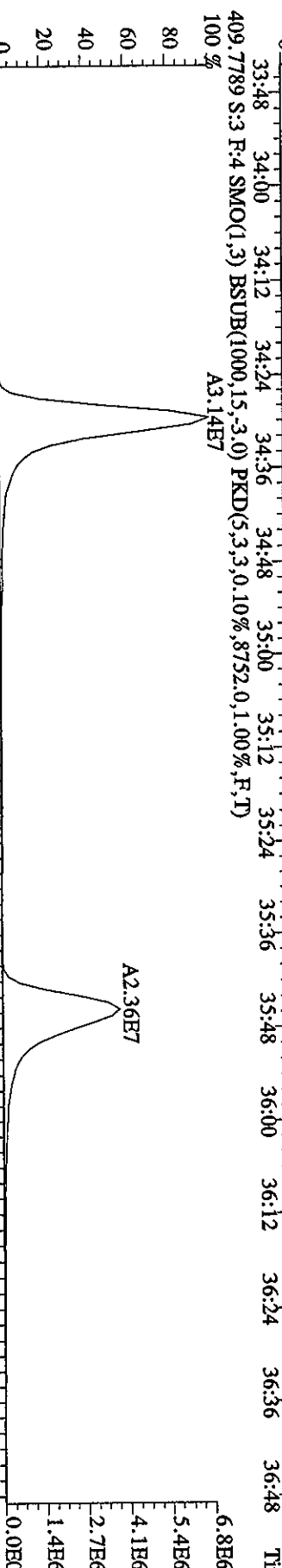
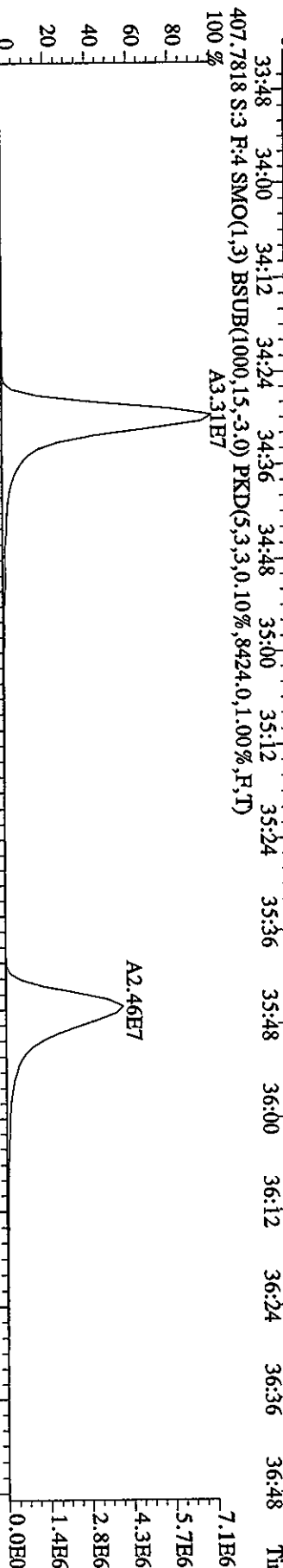
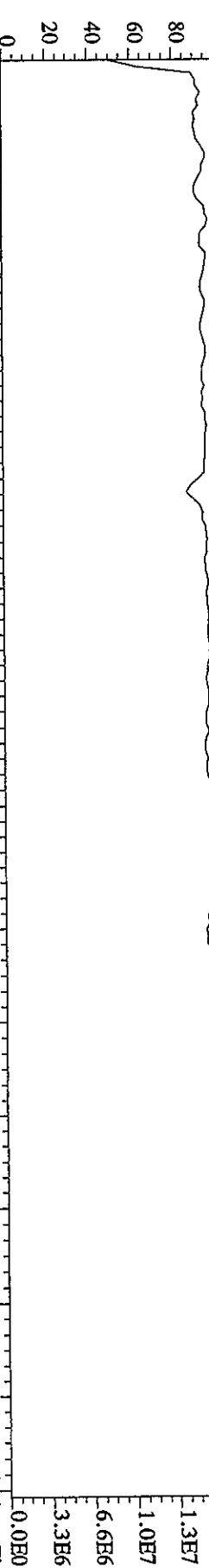


File: 28MR068D5 #1-483 Acq: 28-MAR-2006 14:34:55 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#3 Text: ST0328A :CS3 2565-41C Exp: DIOXIN  
 342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 21:16 21:43 22:19 22:58 23:21 23:43 24:11 25:00 25:26 25:50 26:25 27:04 27:38

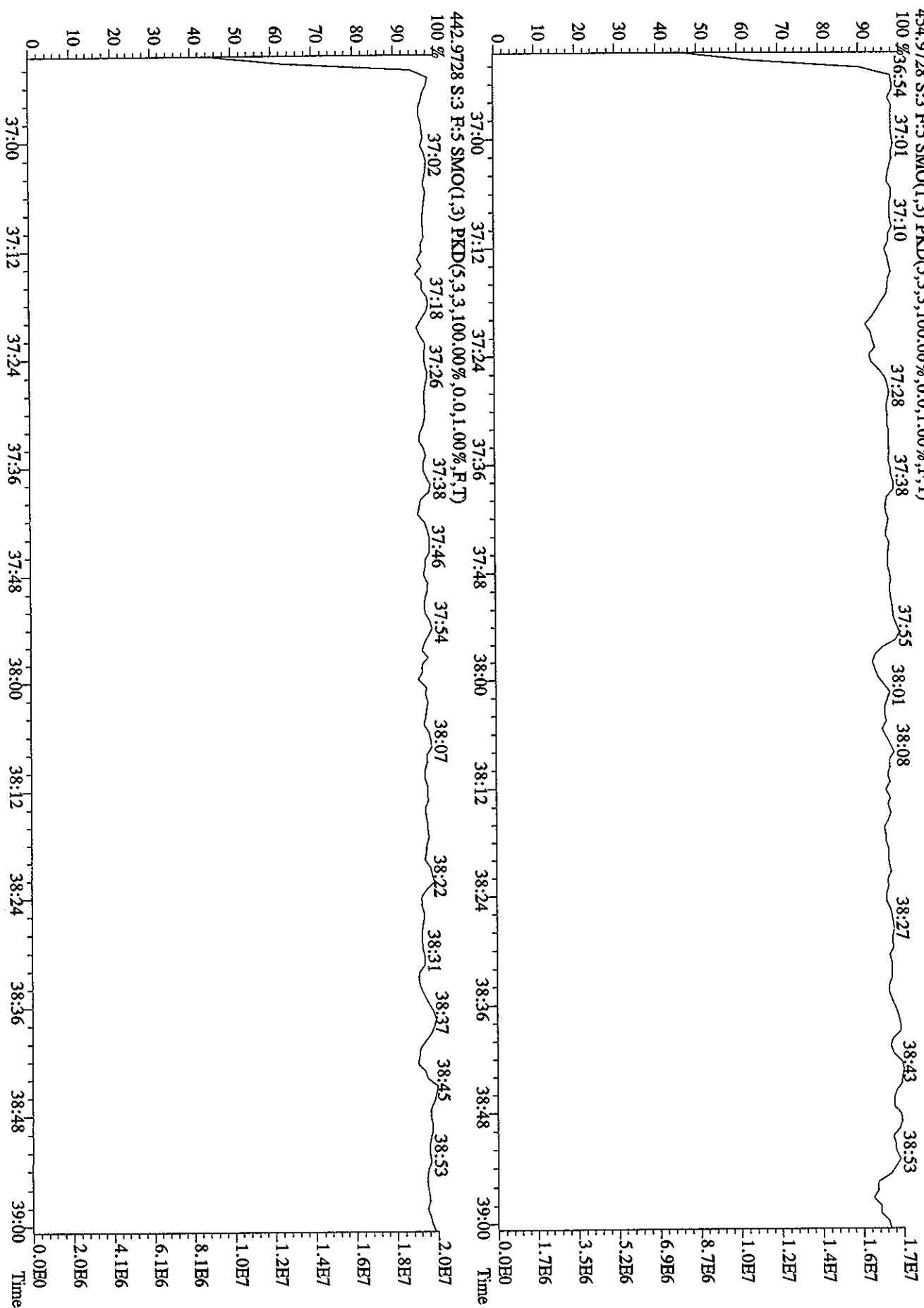


File: 28MAR068D5 #1-378 Acq: 28-MAR-2006 14:34:55 GC EI+ Voltage SFR Autospec-UltimaE  
 Sample#3 Text: ST0328A :CS3 2565-41C Exp: DIOXIN  
 392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

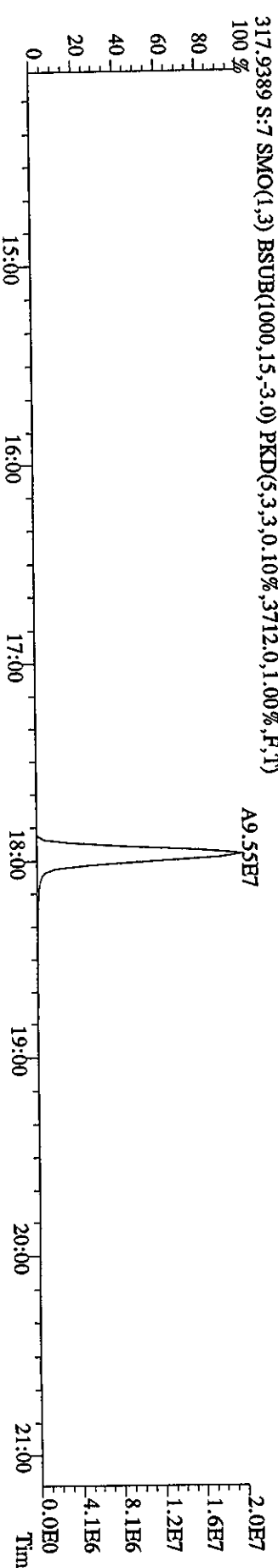
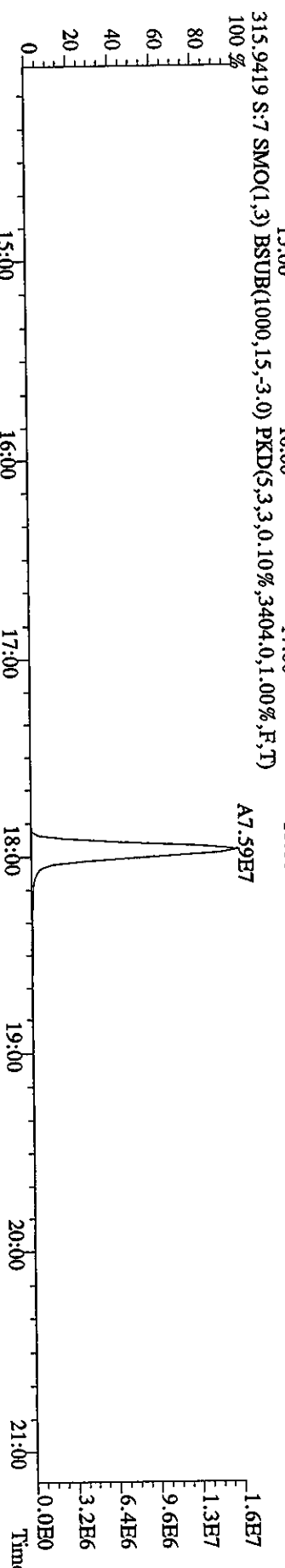
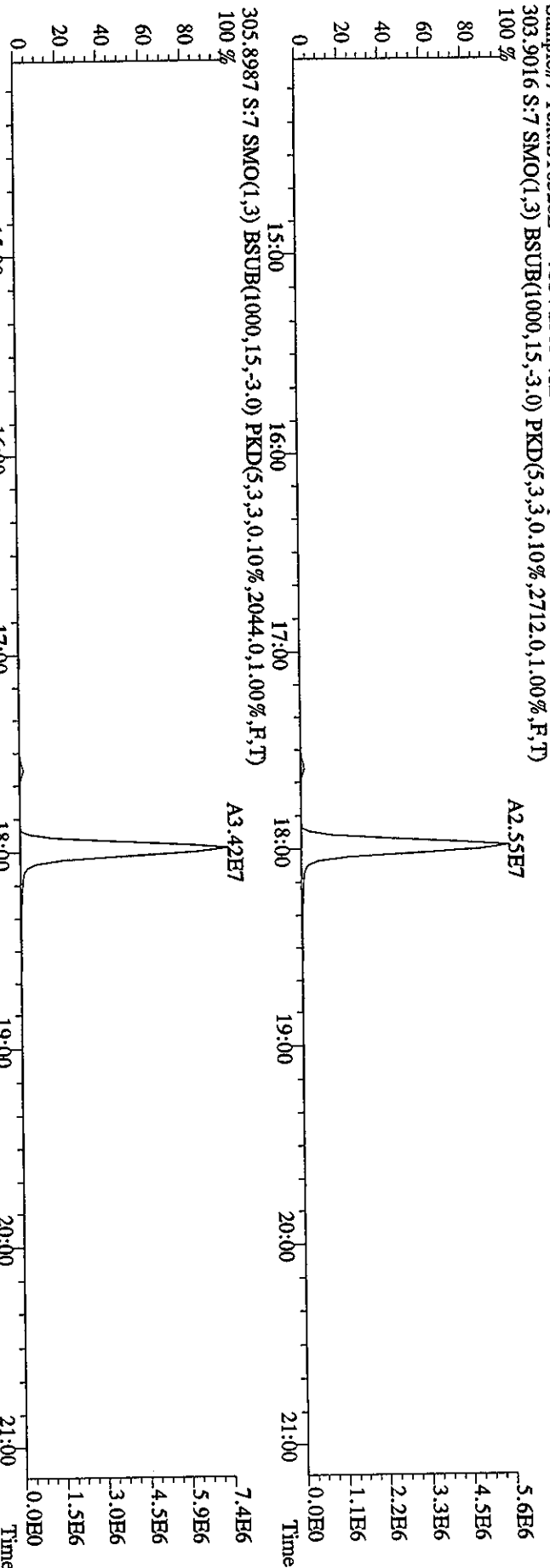




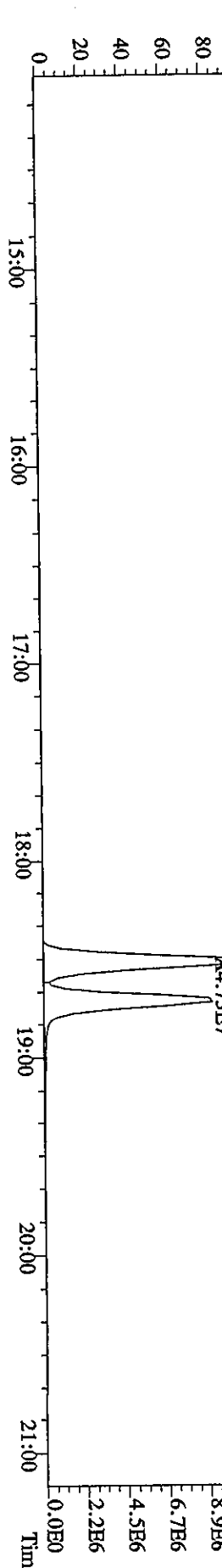
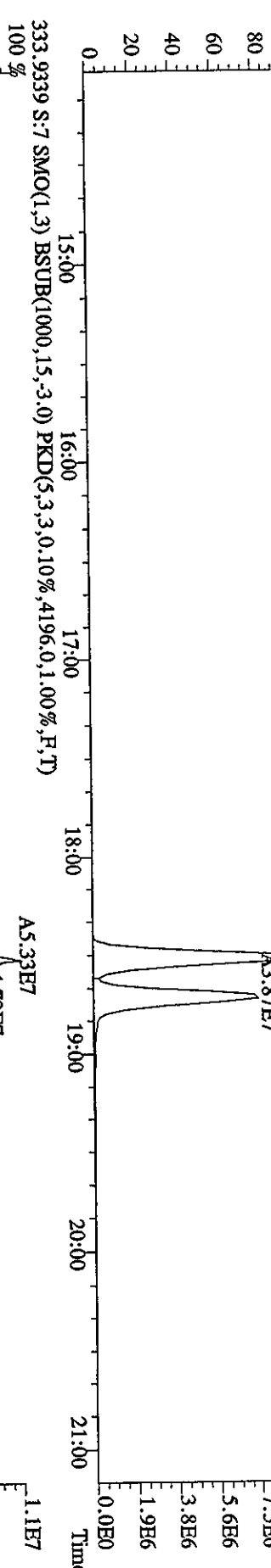
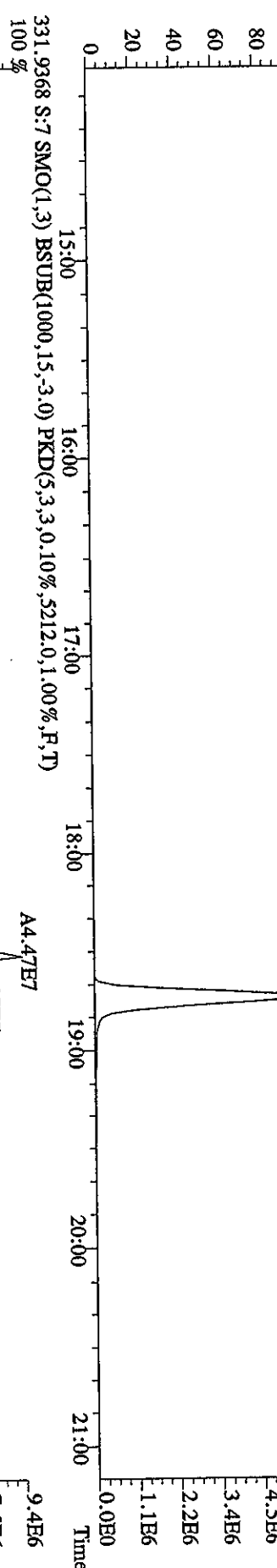
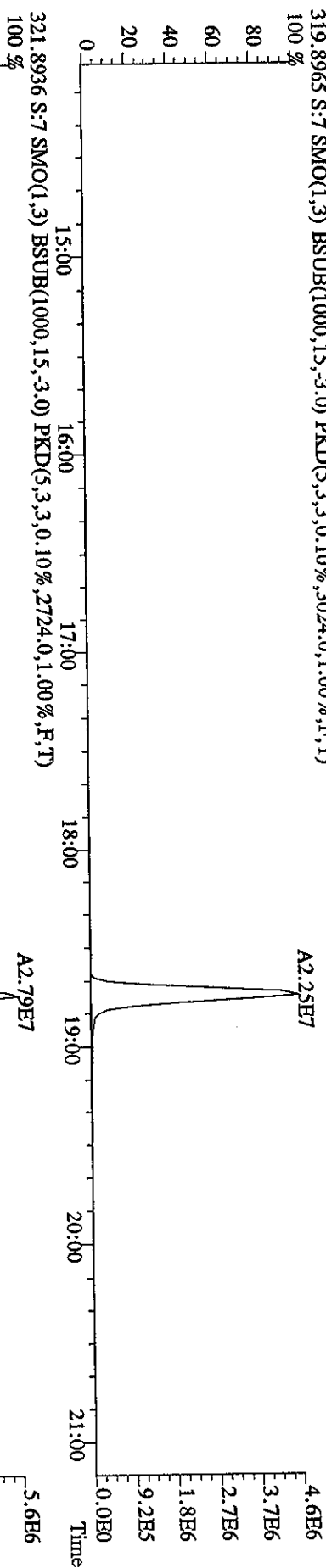
File:28MR068D5 #1-157 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN  
 454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100%36:54 37:01 37:10 37:28 37:38 37:55 38:01 38:08 38:27 38:43 38:53



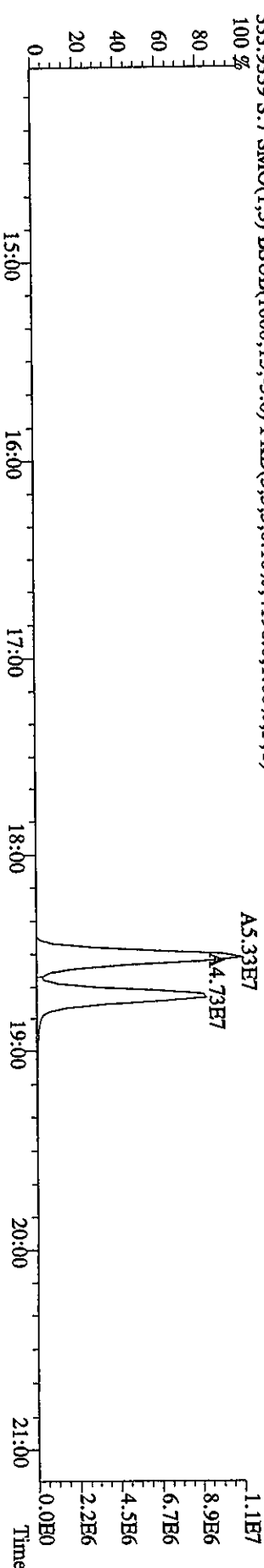
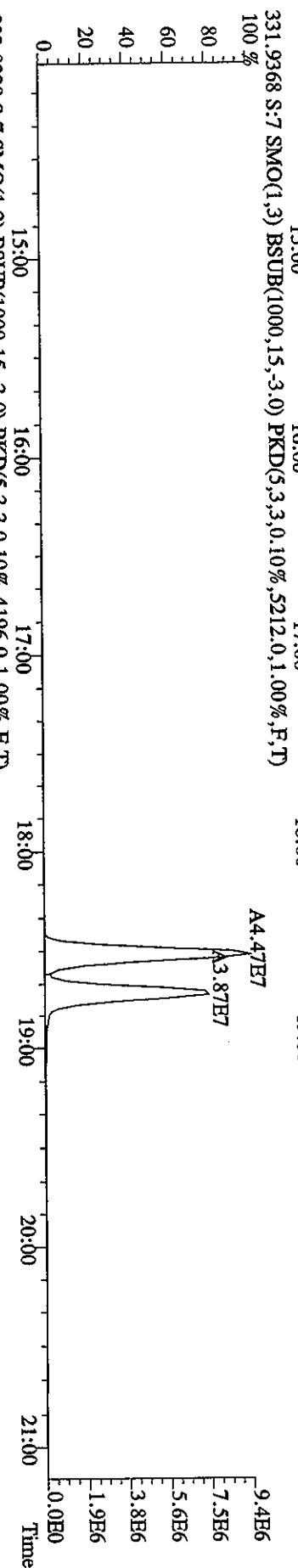
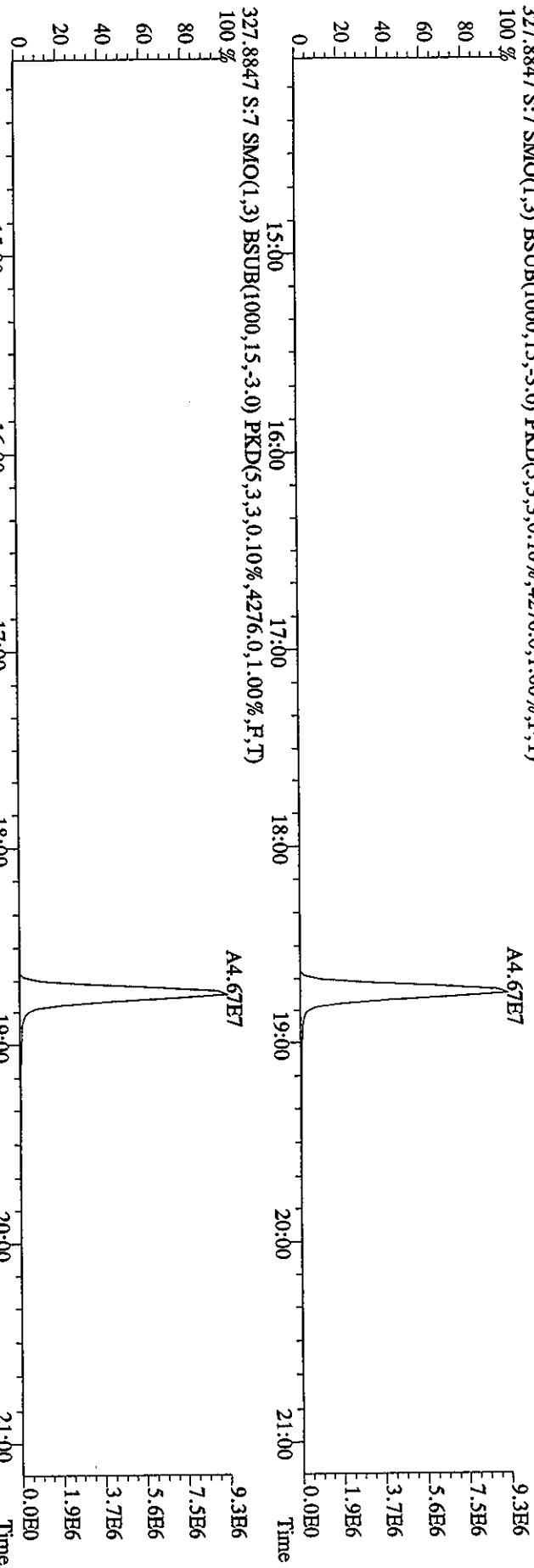
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 17:22:16 GC EI + Voltage SIR Autospec-Ultimate  
Sample#7 Text: ST0328E :CS4 2565-41D Exp: DIOXIN  
303.9016 S: 7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2712.0,1.00%,F,T)  
100%



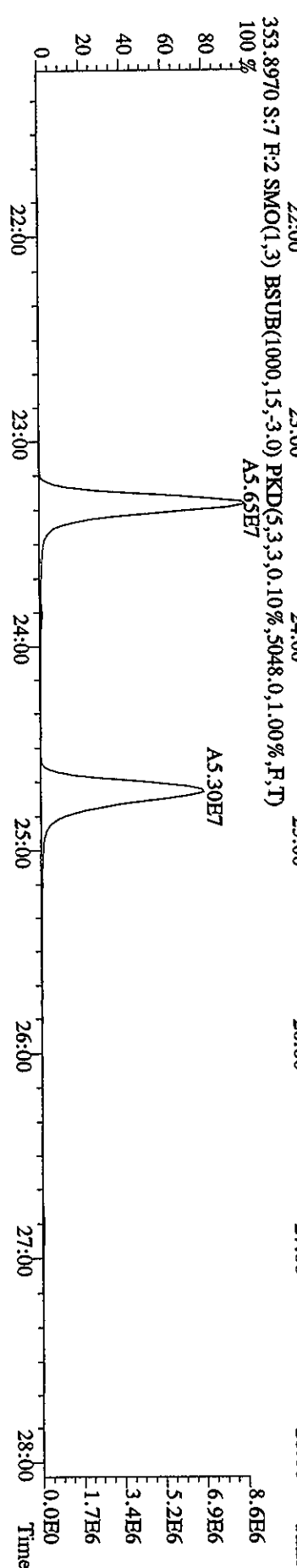
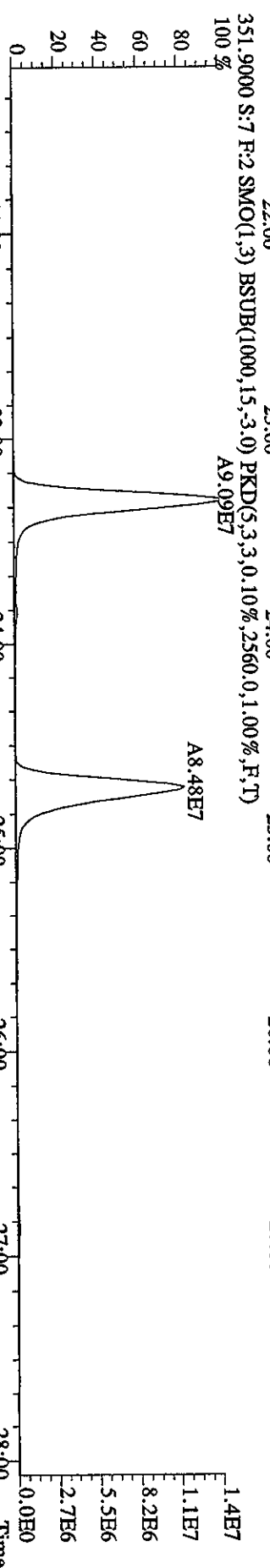
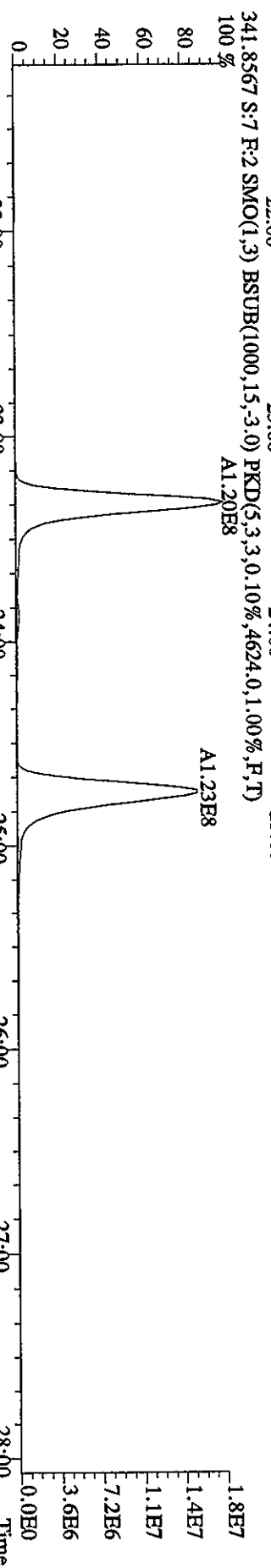
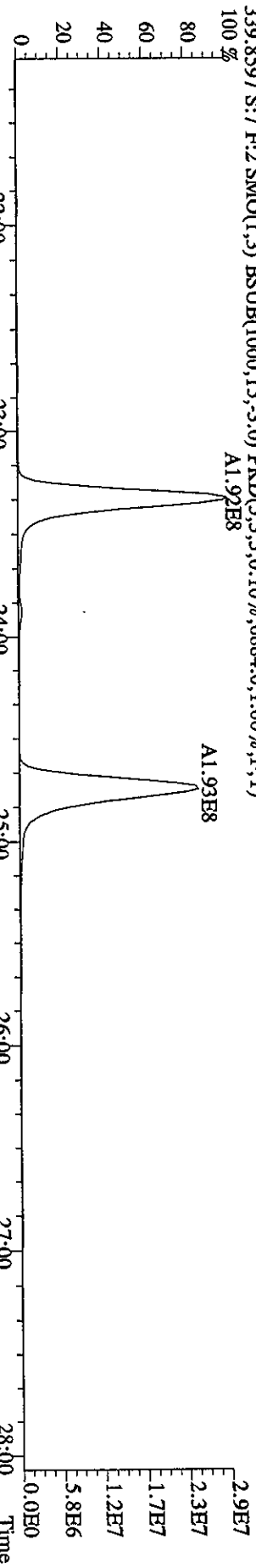
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 17:22:16 GC EI+ Voltage 51R Autospec-Ultimate  
Sample#7 Text: ST0328E :CS4 2565-41D Exp: DIOXIN  
319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2724,0,1,00%,F,T)



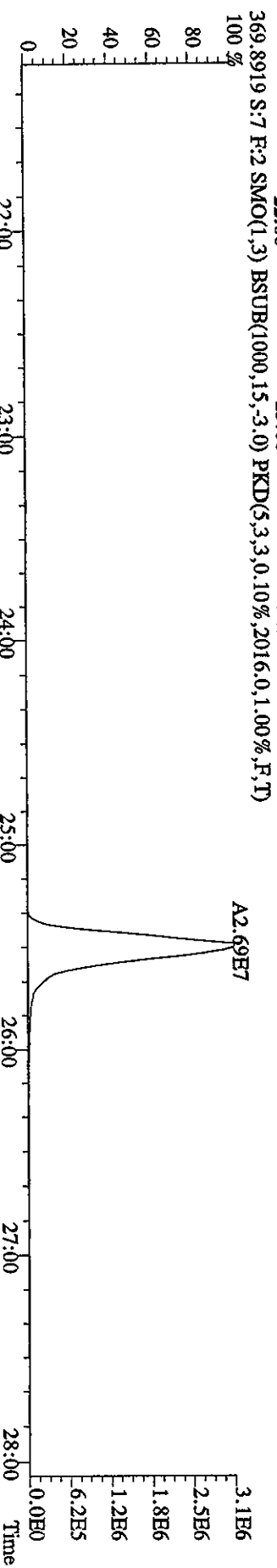
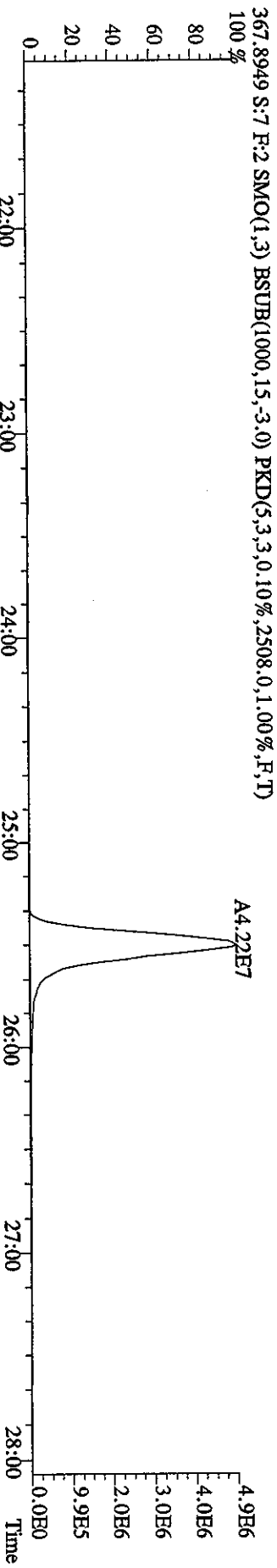
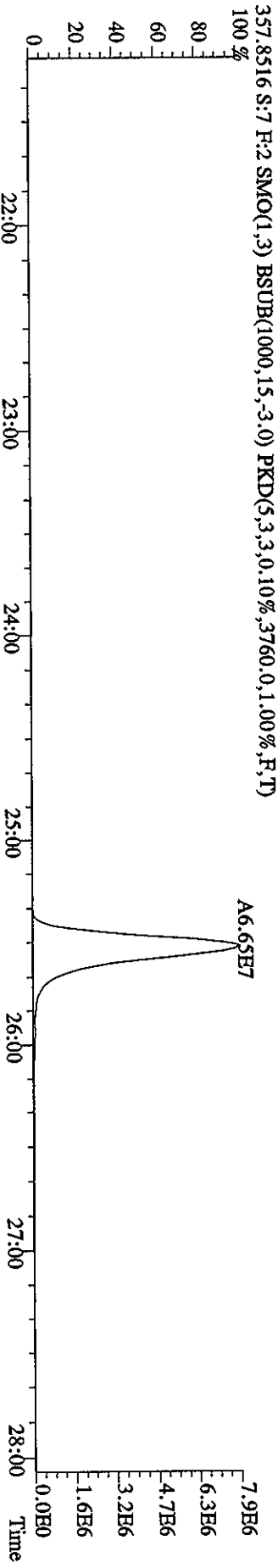
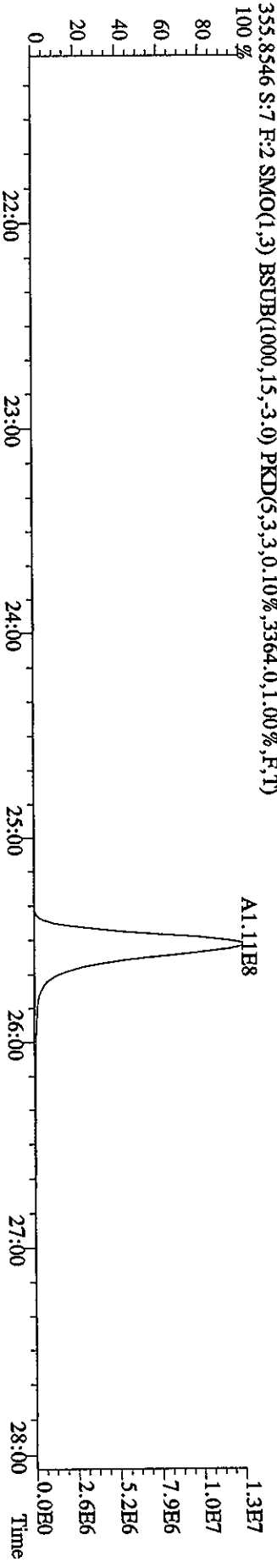
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text: ST0328E :CS4 2565-41D Exp: DIOXIN  
 327.8847 S: 7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4276,0,1.00%,F,T)  
 100 %



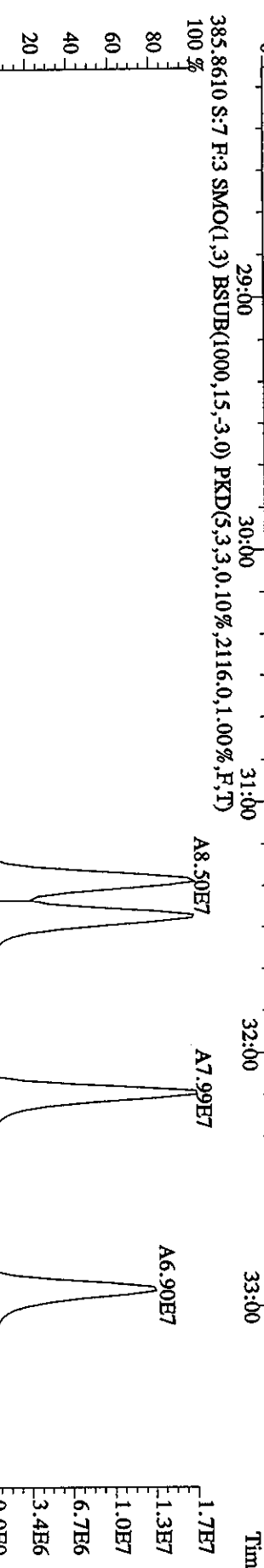
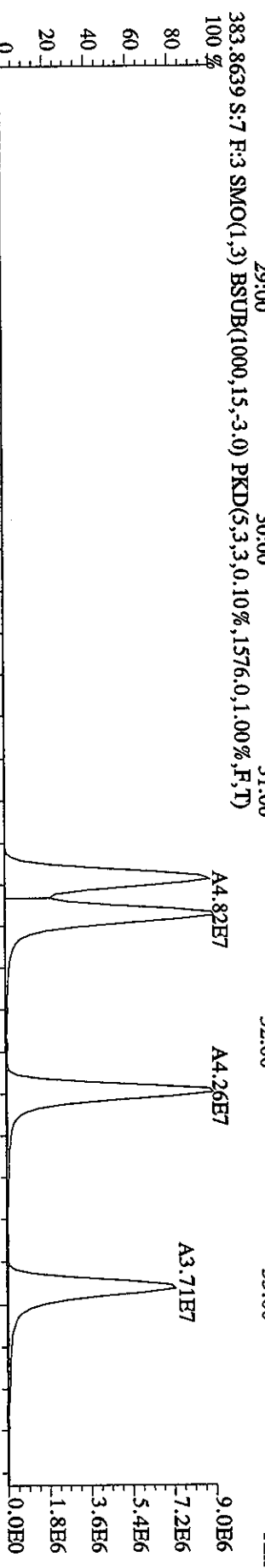
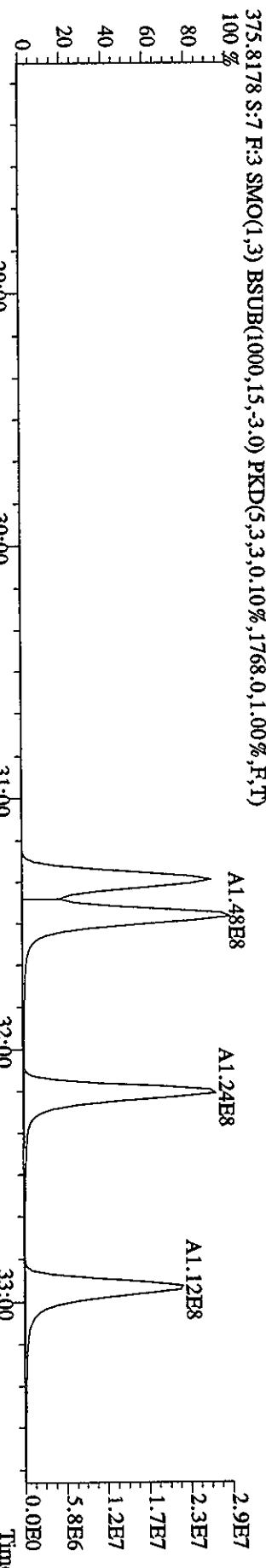
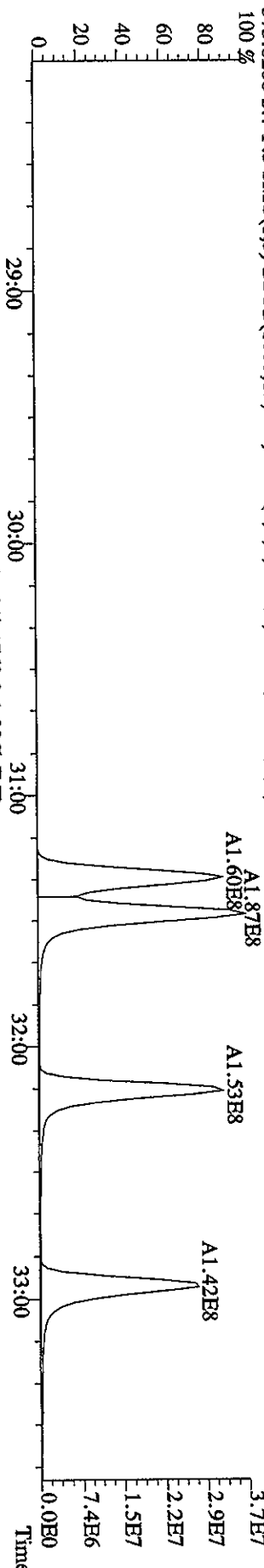
File:28MR068D5 #1-484 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN  
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6884.0,1.00%,F,T)  
 100% A1.92E8



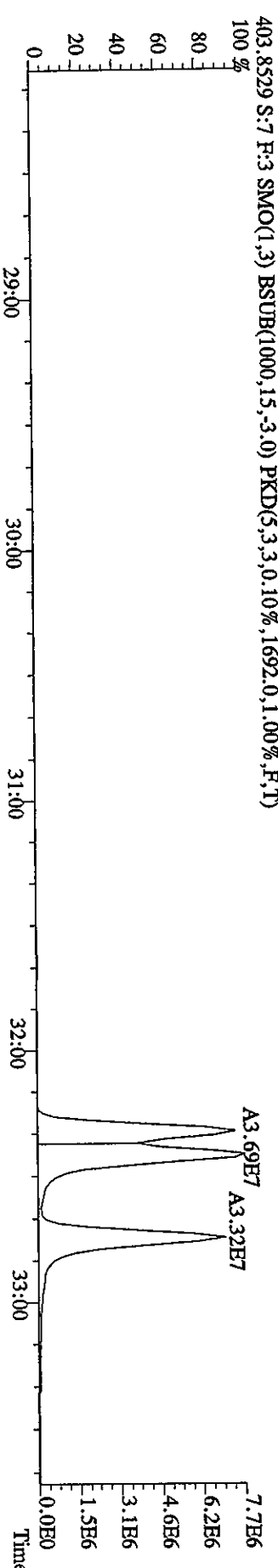
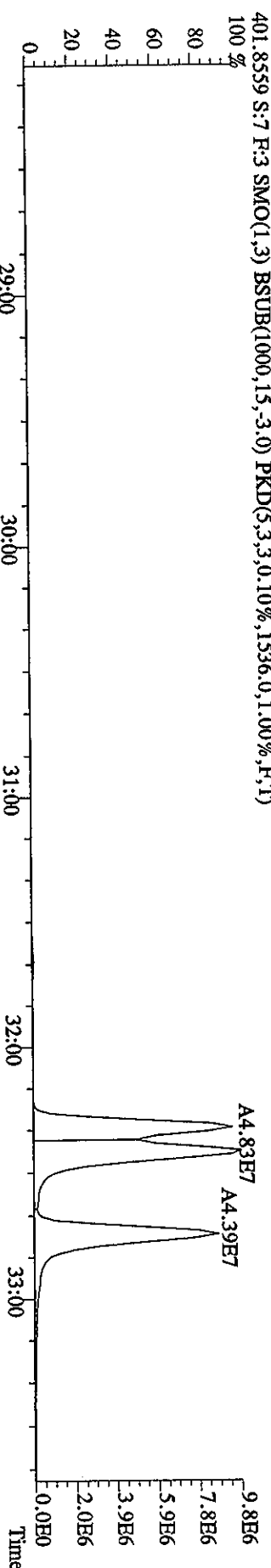
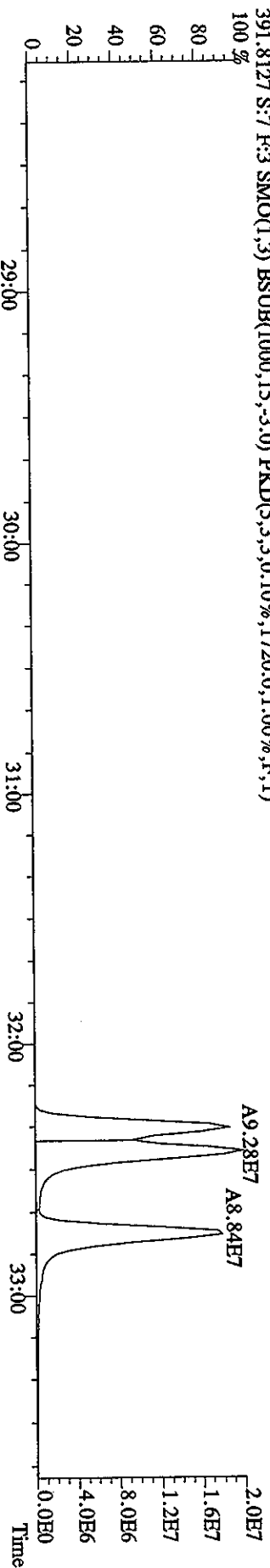
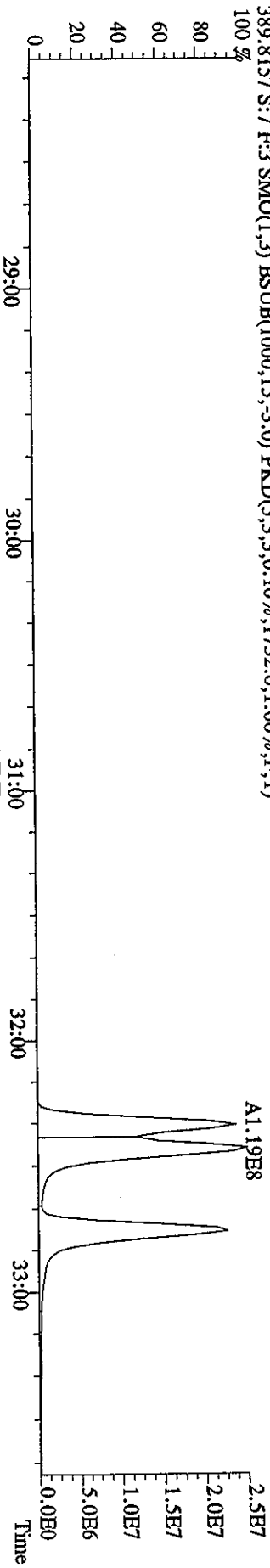
File:28MR068D5 #1-484 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN  
 35:8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.3364,0,1,00%,F,T)



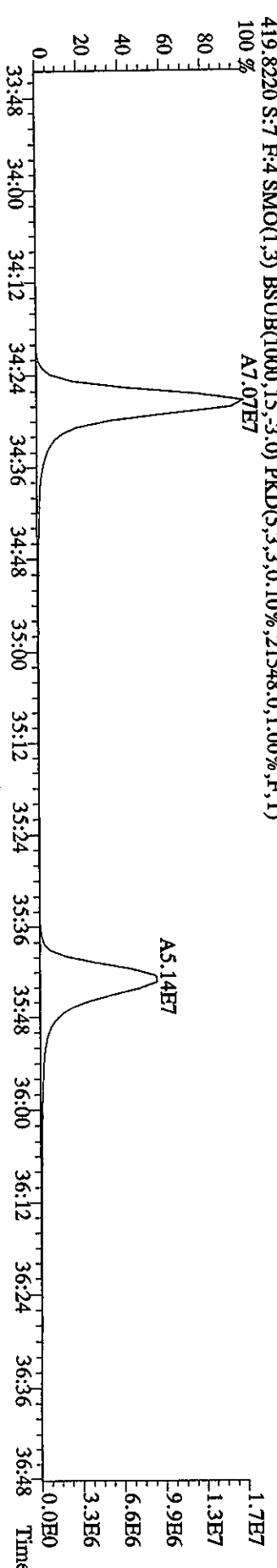
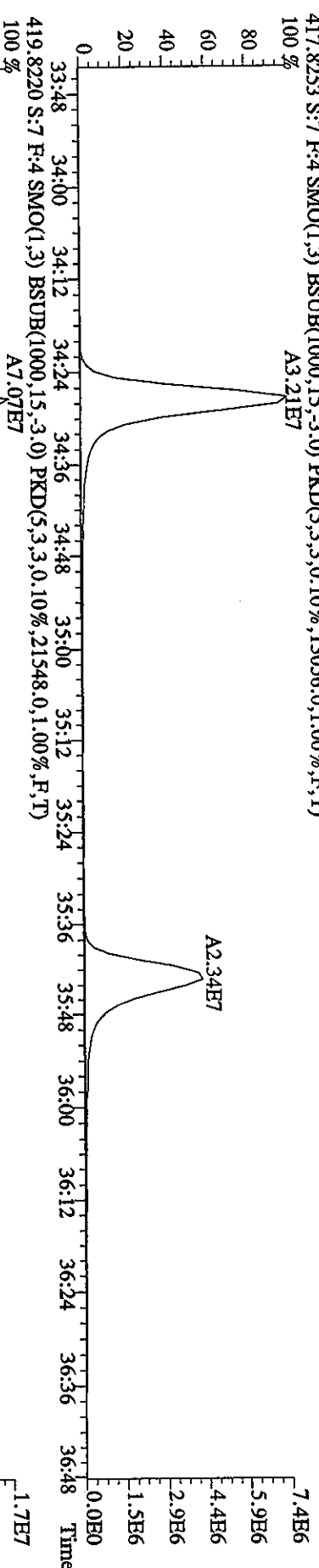
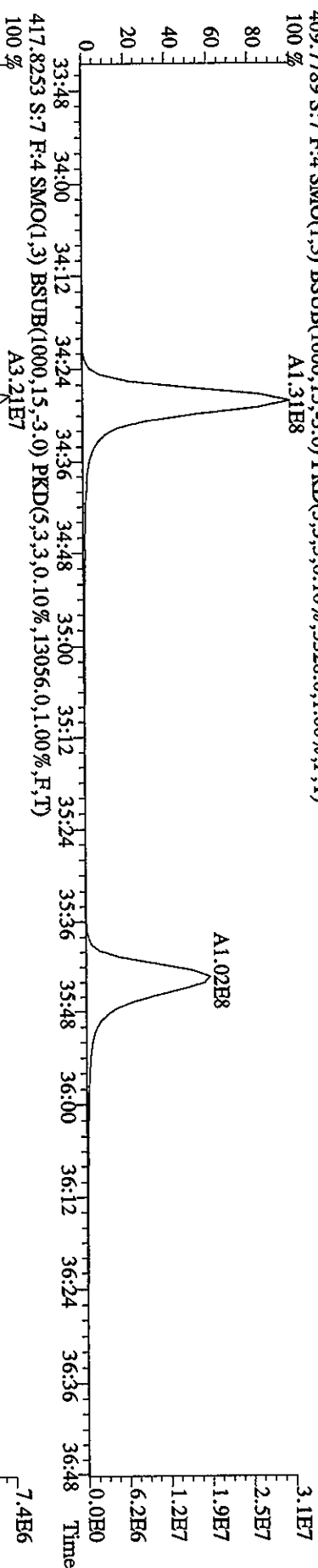
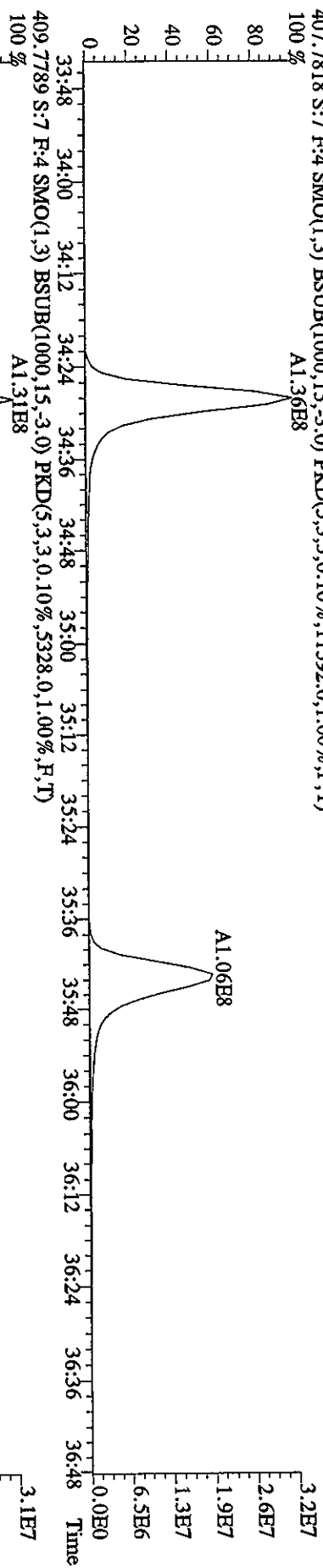
File:28MR068D5 #1-378 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN  
 373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2032.0,1.00%,F,T)



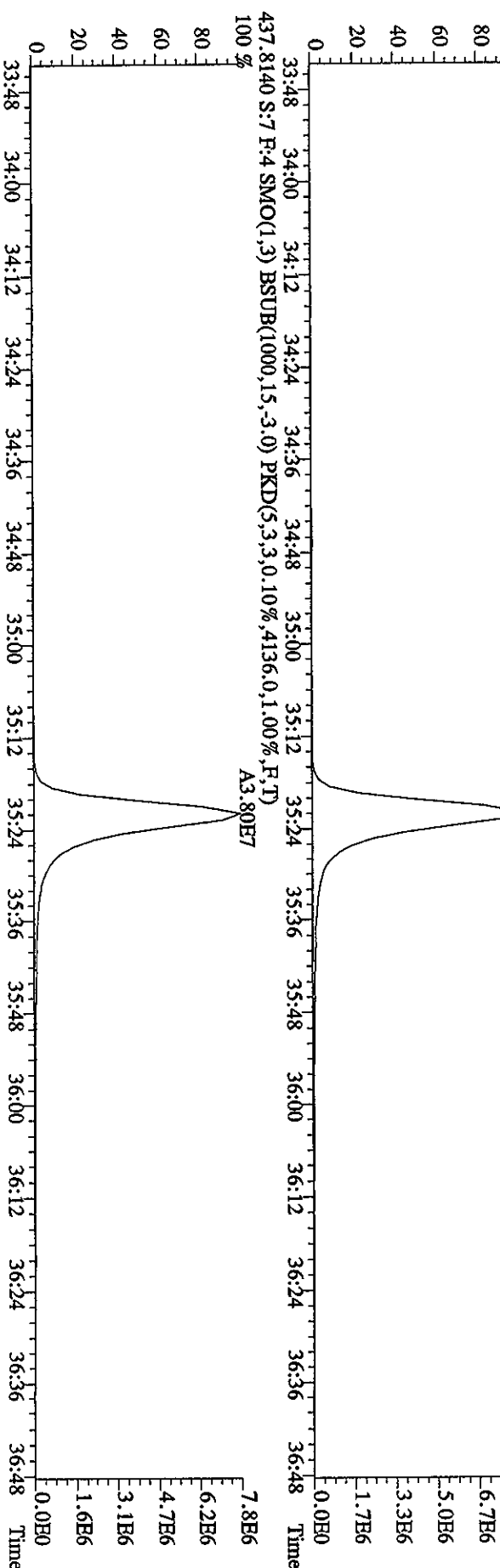
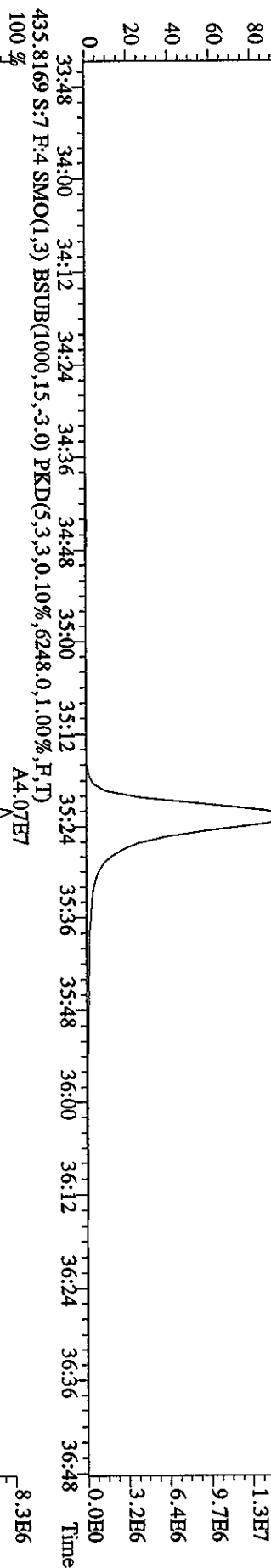
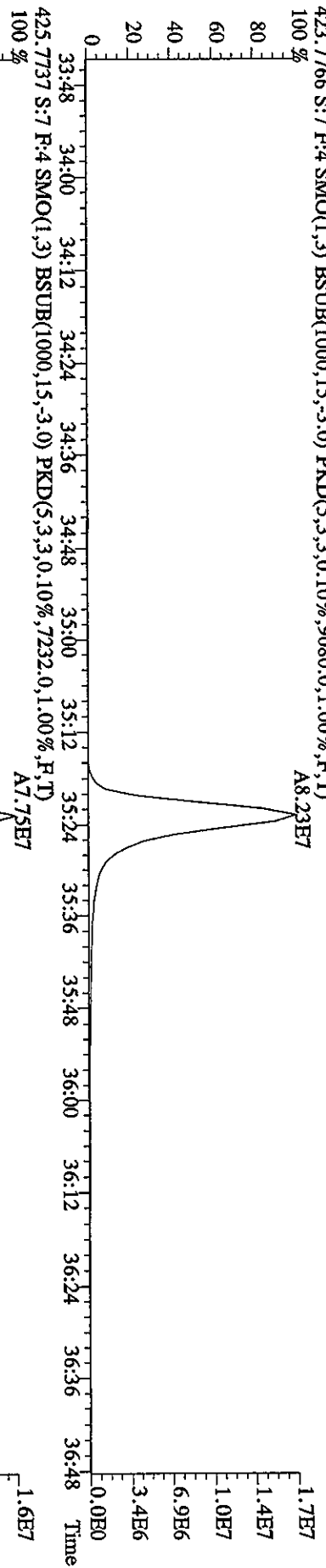
File:28MR068D5 #1-378 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN  
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1732.0,1.00%,F,T)



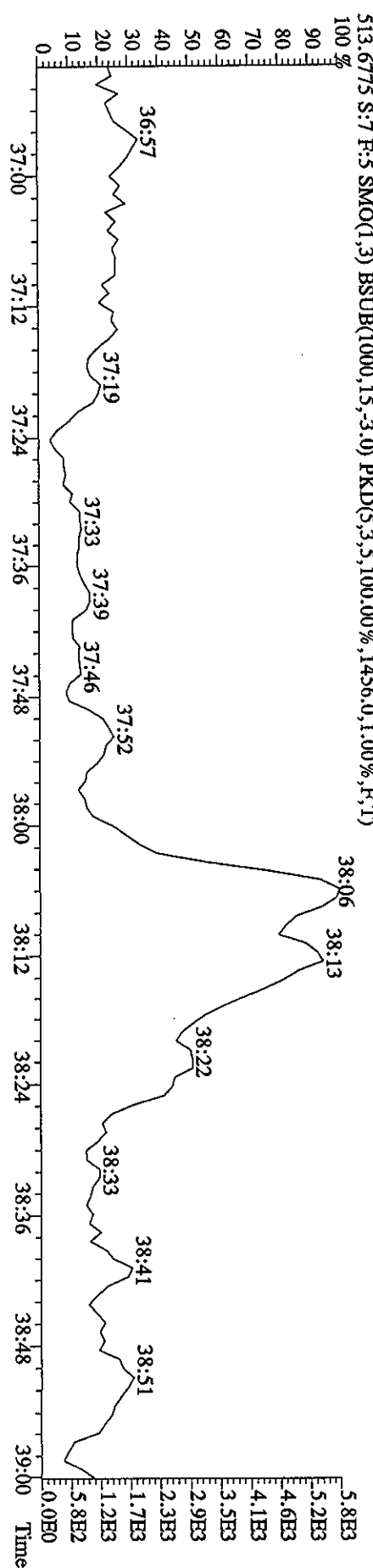
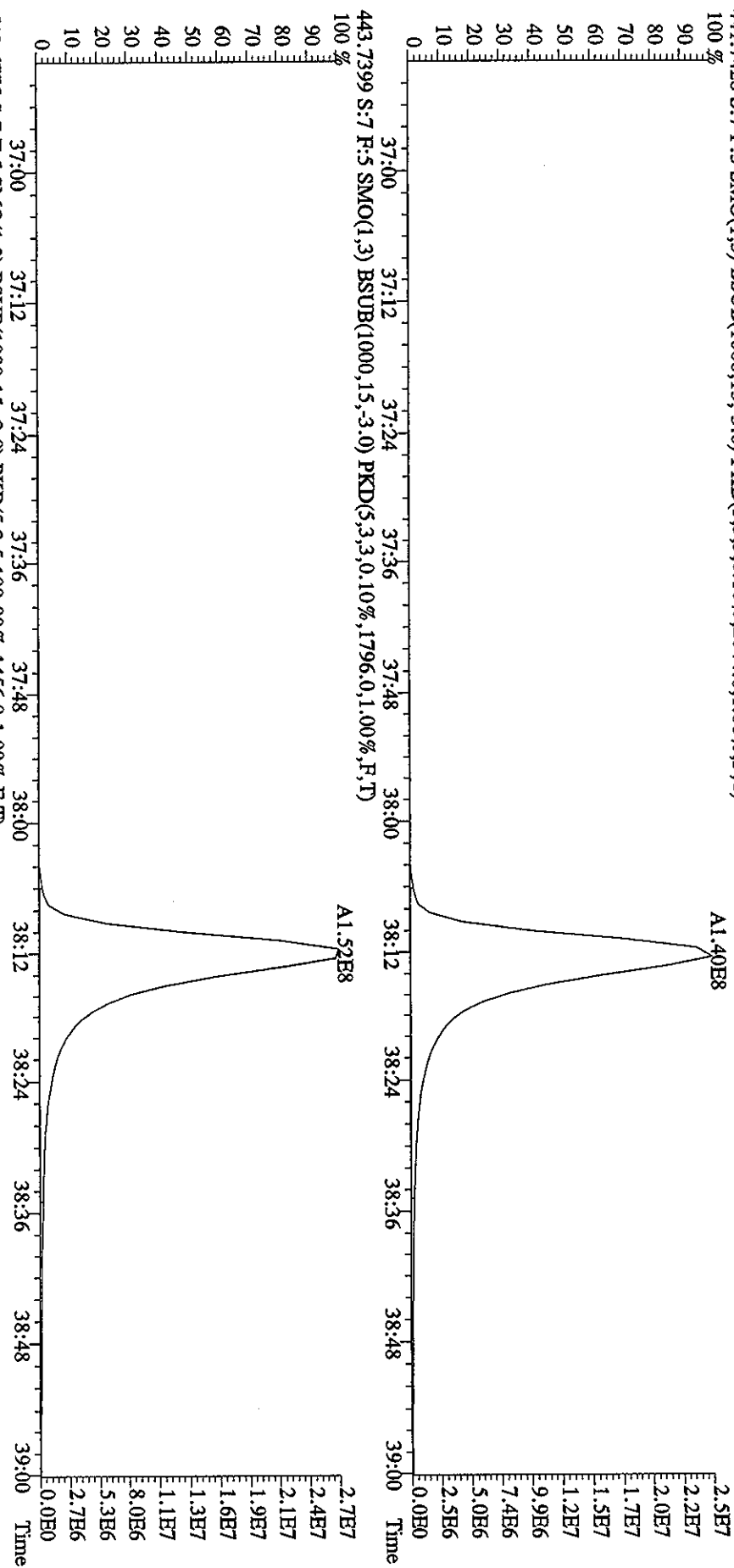
File:28MR068D5 #1-216 Acq:28-MAR-2006 17:22:16 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN  
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11592,0,1,00%,F,T)  
 100%



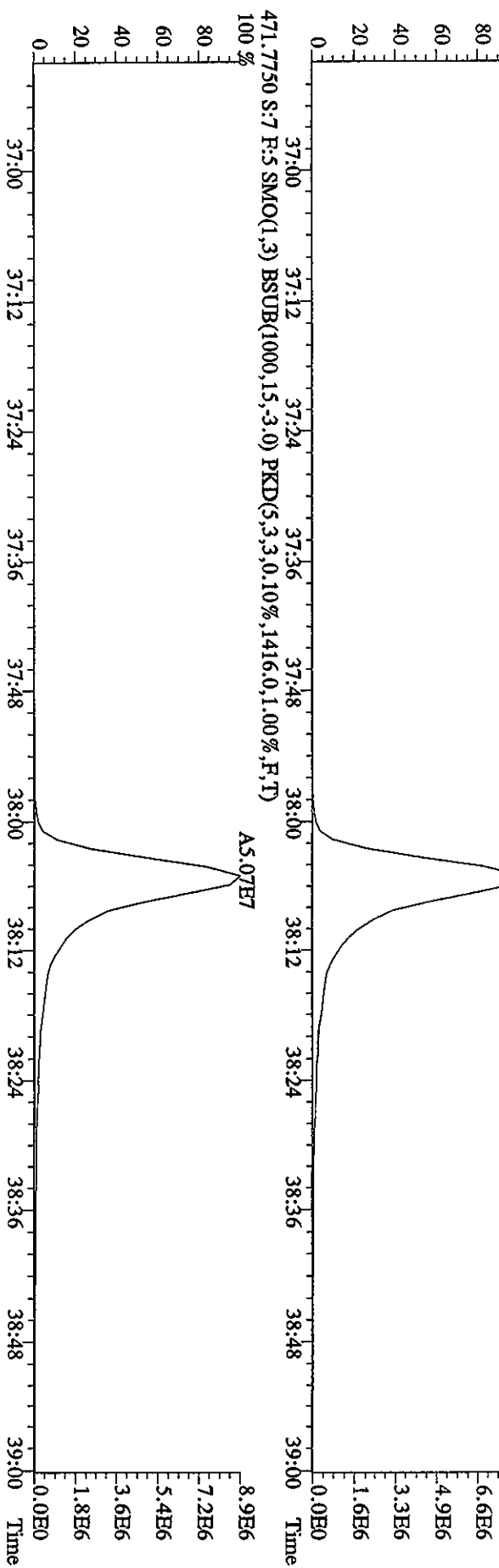
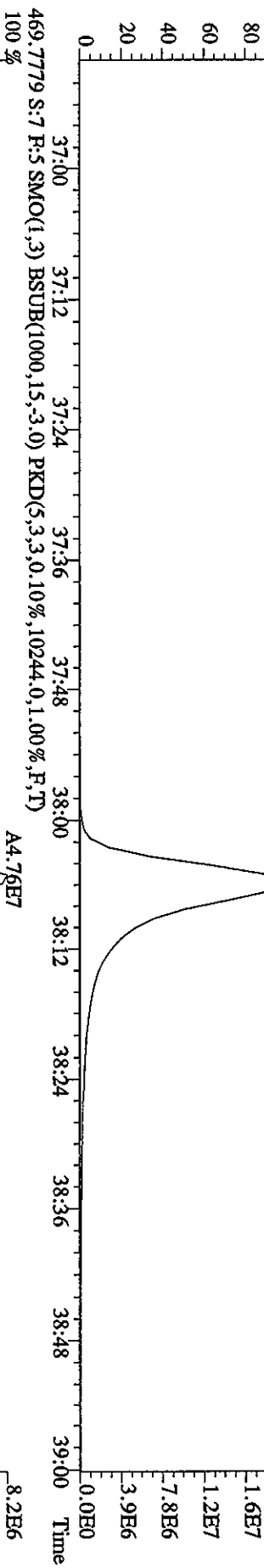
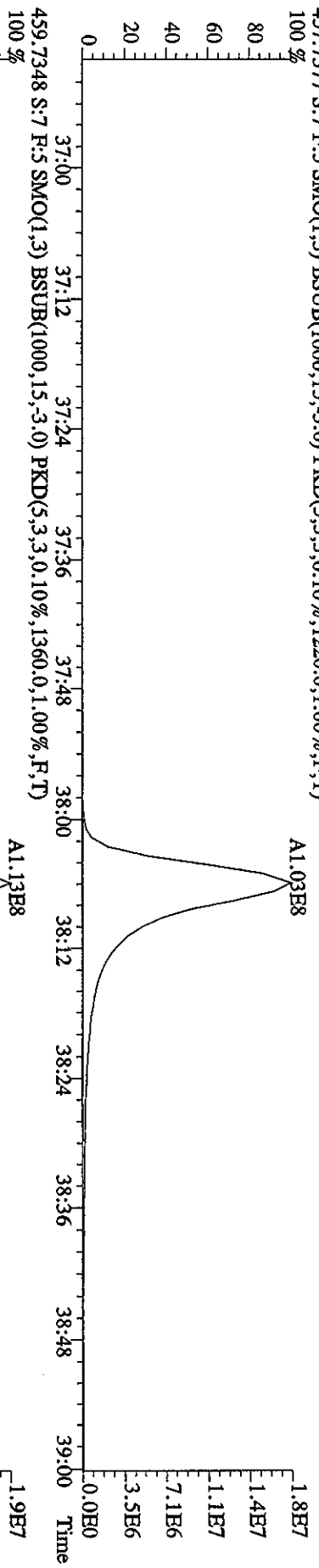
File: 28MR068D5 #1-216 Acq: 28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST0328E :CS4 2565-41D Exp: DIOXIN  
 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9080.0,1.00%,F,T)  
 100%



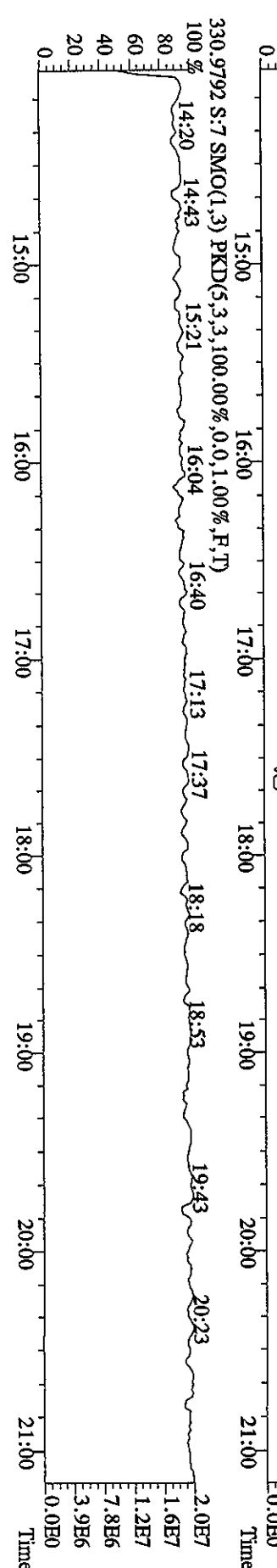
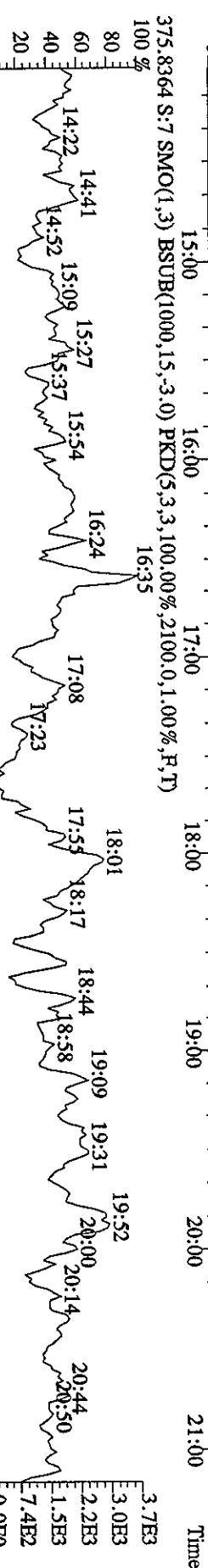
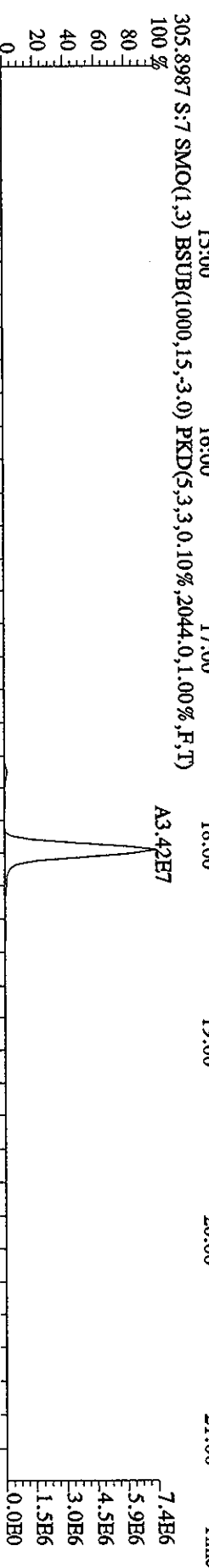
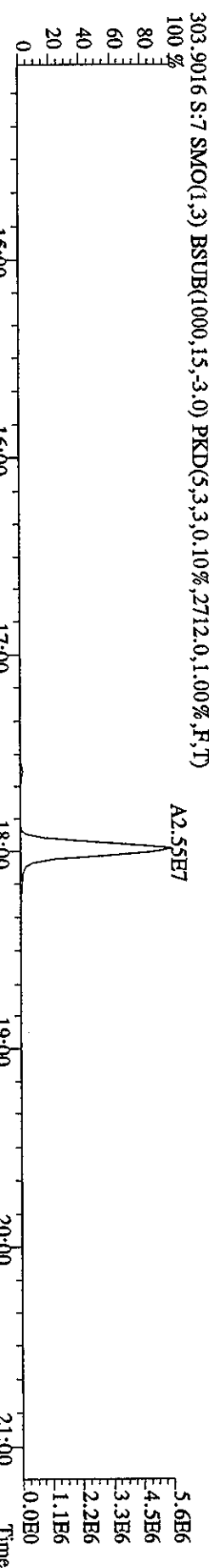
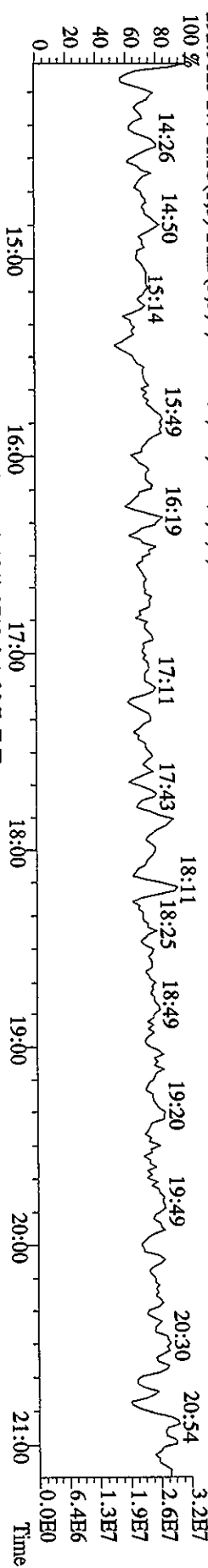
File: 28MR068D5 #1-157 Acq: 28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST0328E :CS4 2565-41D Exp: DIOXIN  
 441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2044,0,1.00%,F,T)



File:28MR068D5 #1-157 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN  
 457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1220.0,1.00%,F,T)



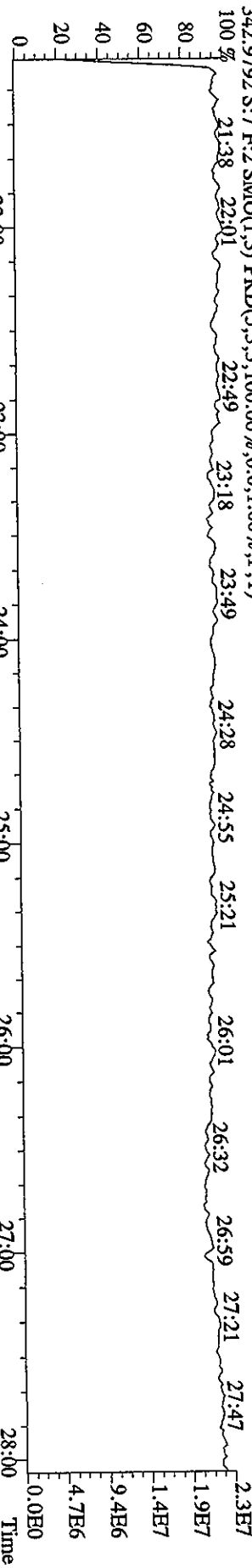
File:28MR068D5 #1-388 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN  
 292.9825 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



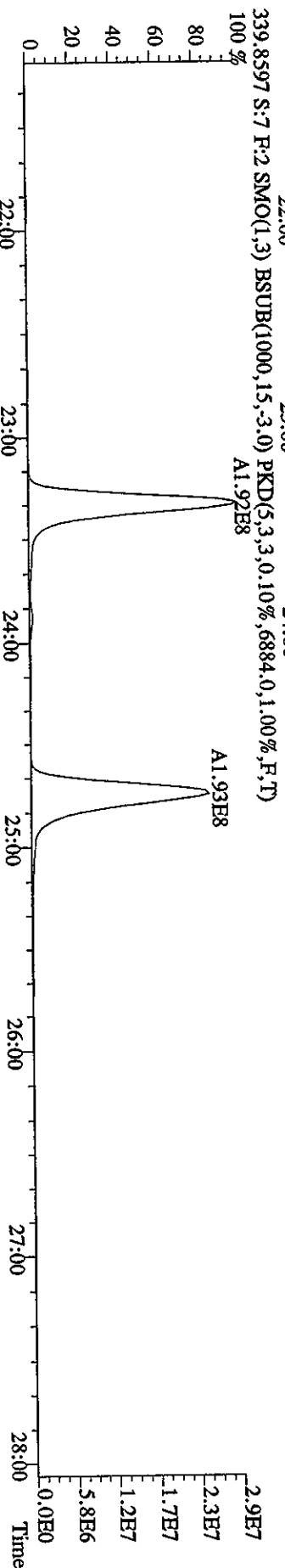
File:28MR068D5 #1-484 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-Ultimate

Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN

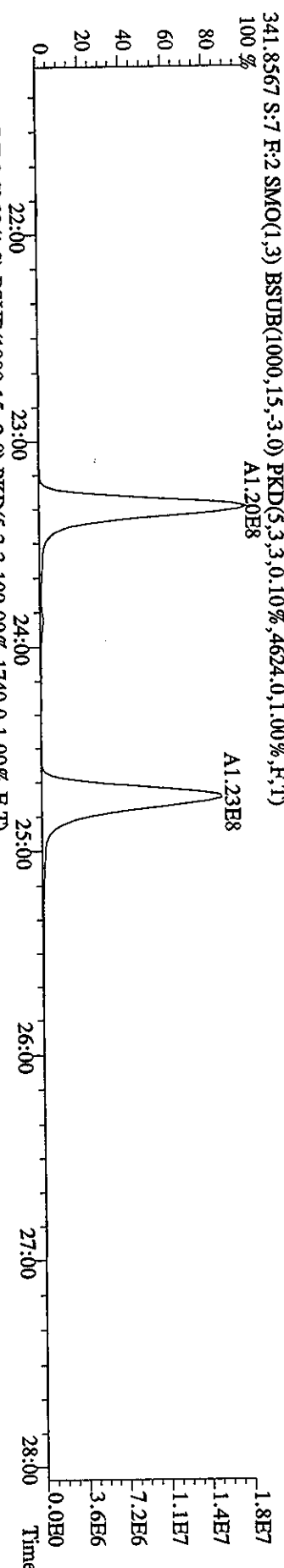
342.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



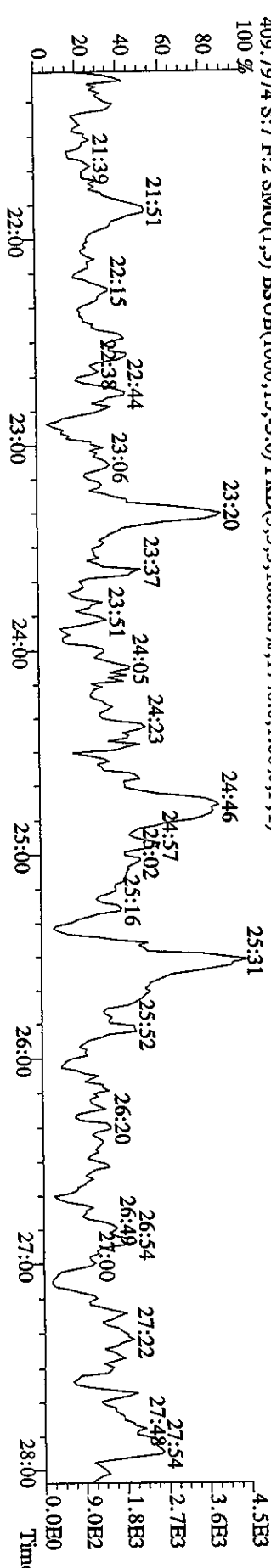
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6884.0,1.00%,F,T)



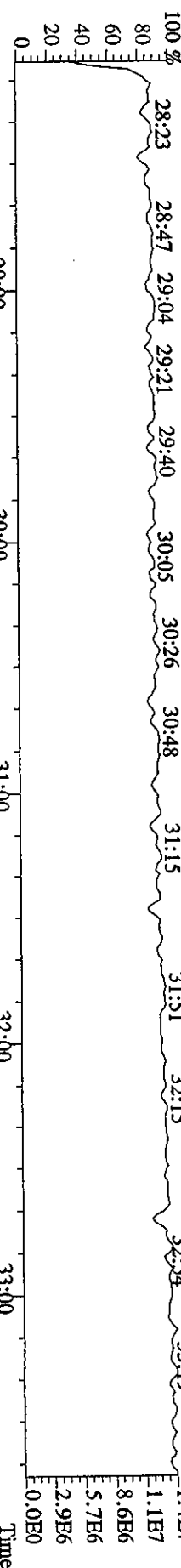
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4624.0,1.00%,F,T)



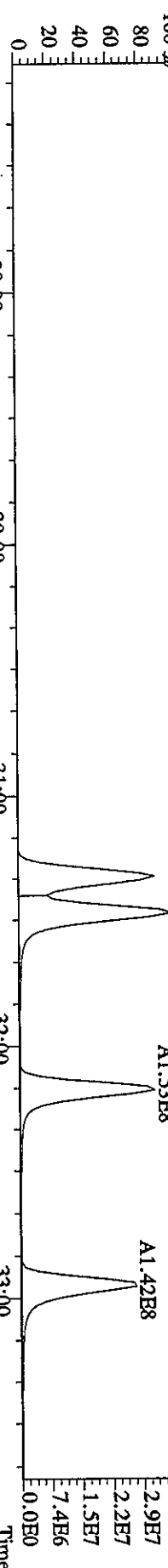
409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1740.0,1.00%,F,T)



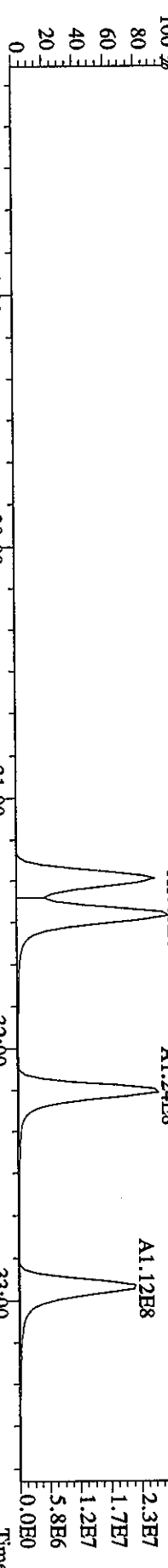
Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN



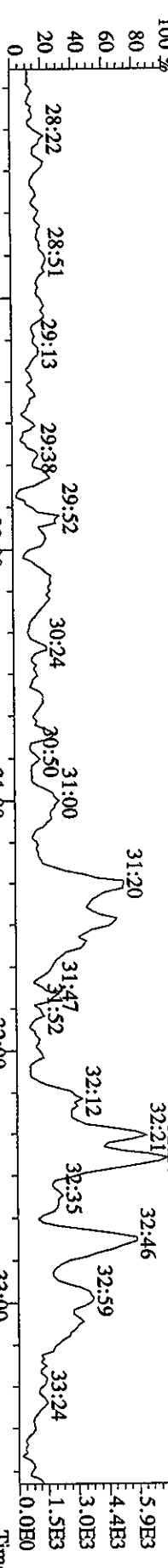
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2032.0,1.00%,F,T)



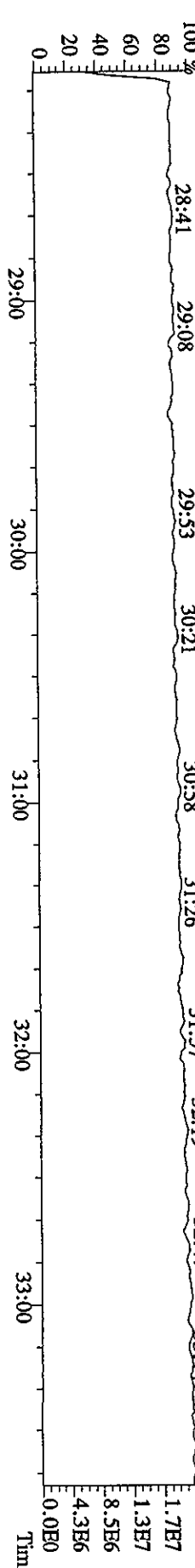
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1768.0,1.00%,F,T)



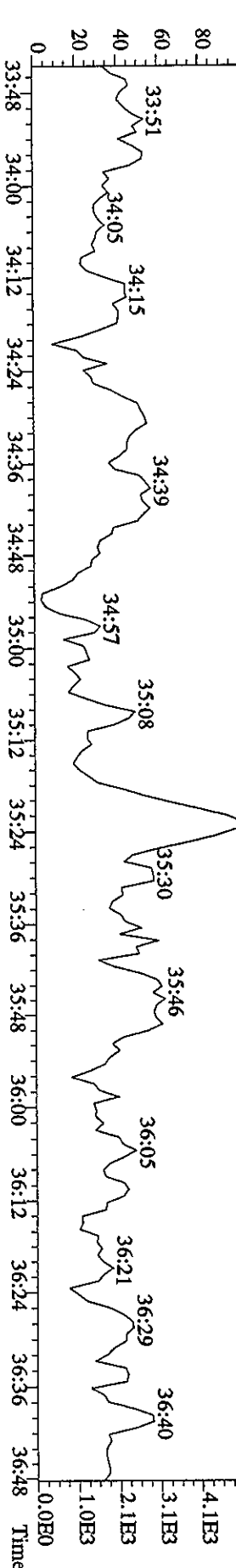
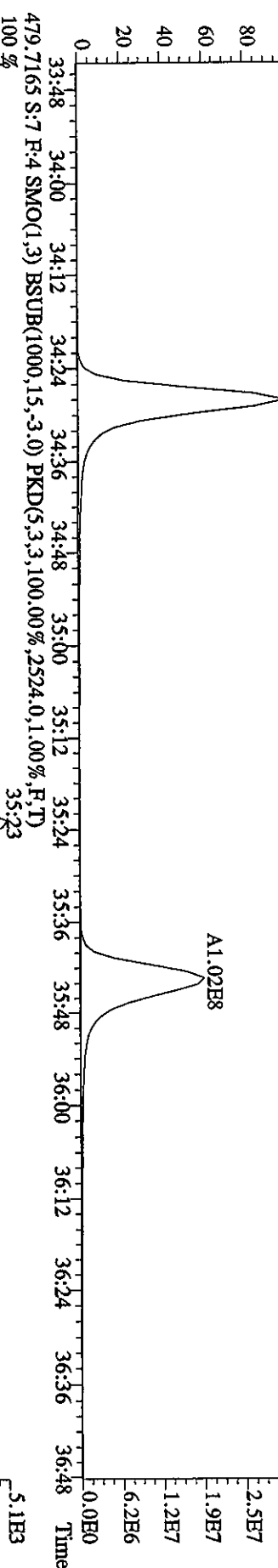
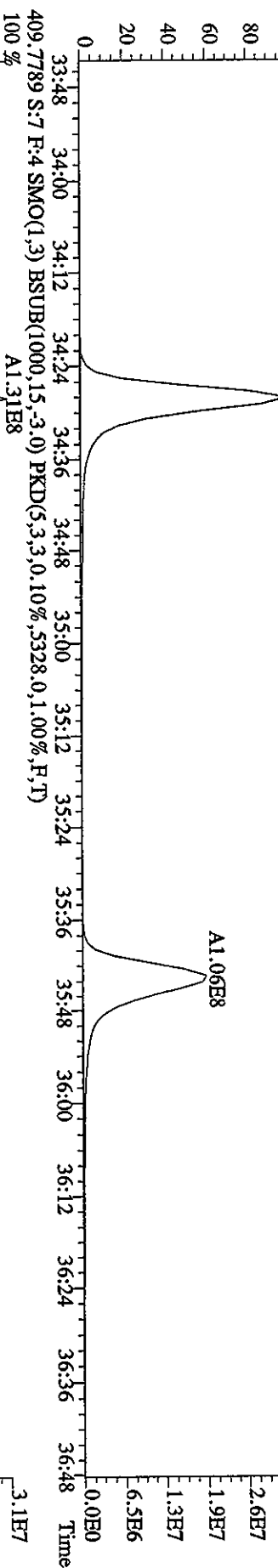
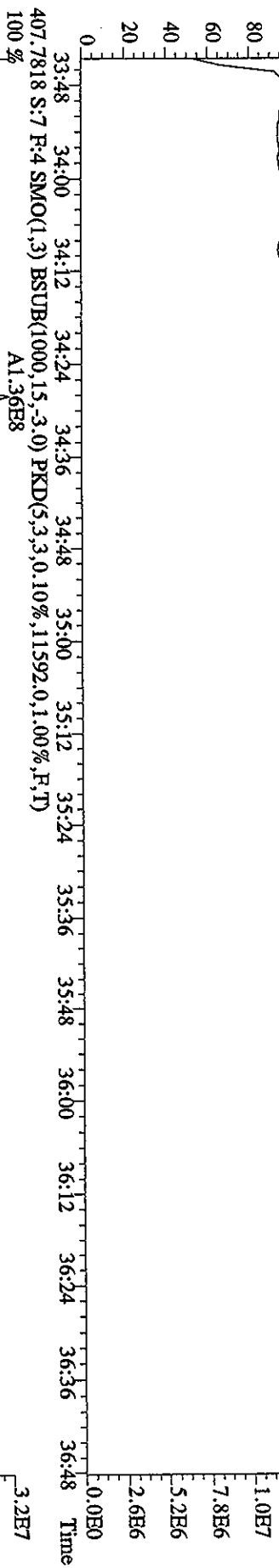
445.7555 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1556.0,1.00%,F,T)



380.9760 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 28MRR068D5 #1-216 Acq: 28-MAR-2006 17:22:16 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST0328E :CS4 2565-41D Exp: DIOXIN  
 430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 100 % 33:49 34:05 34:15 34:37 34:55 35:06 35:15 35:36 35:51 36:03 36:16 36:29



File:28MR068D5 #1-157 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-Ultimate

Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN

454.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

36:59 37:06

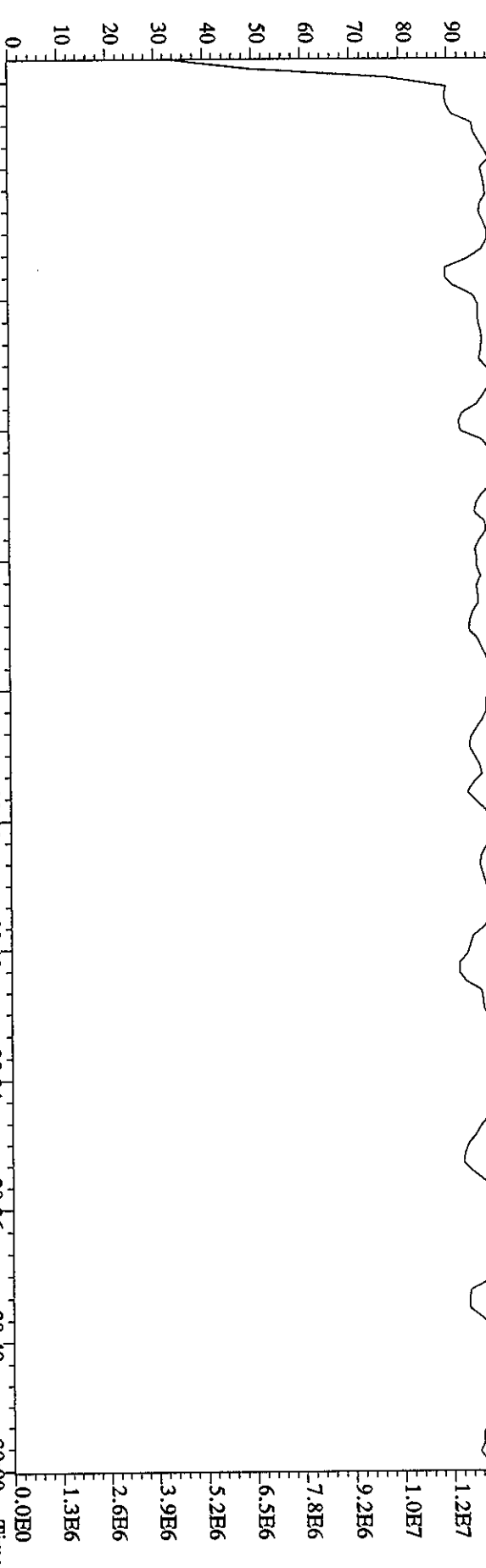
37:19 37:27 37:33

37:47

38:00 38:08

38:26

38:41 38:48



442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

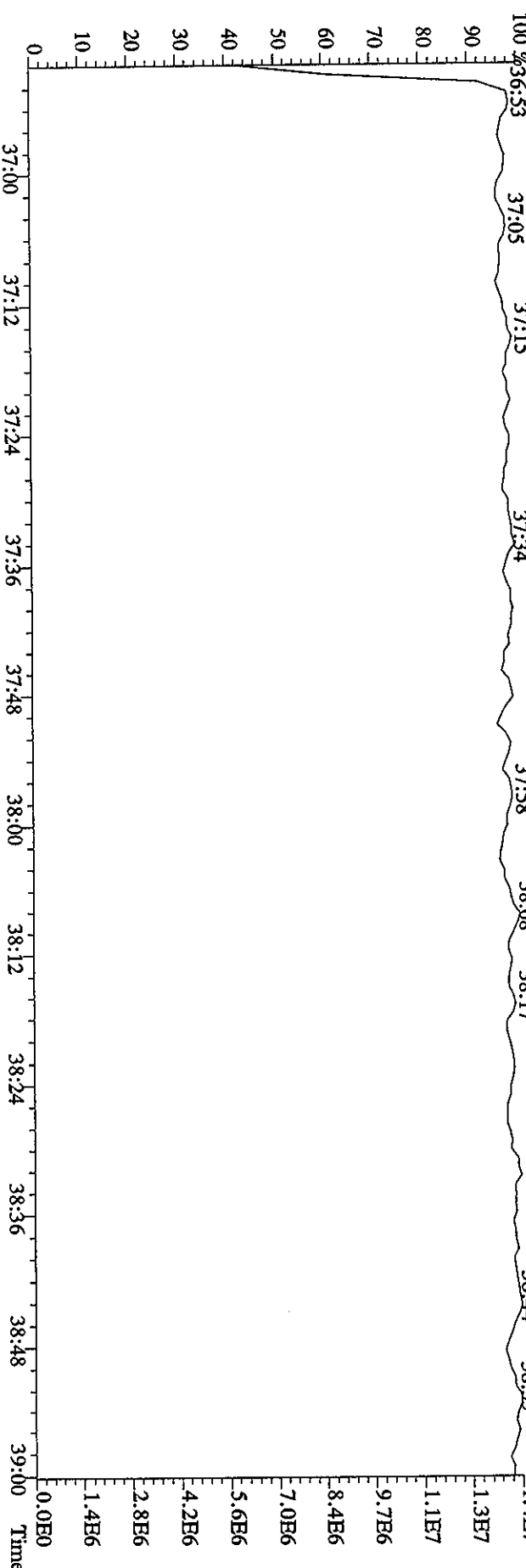
37:05 37:15

37:34

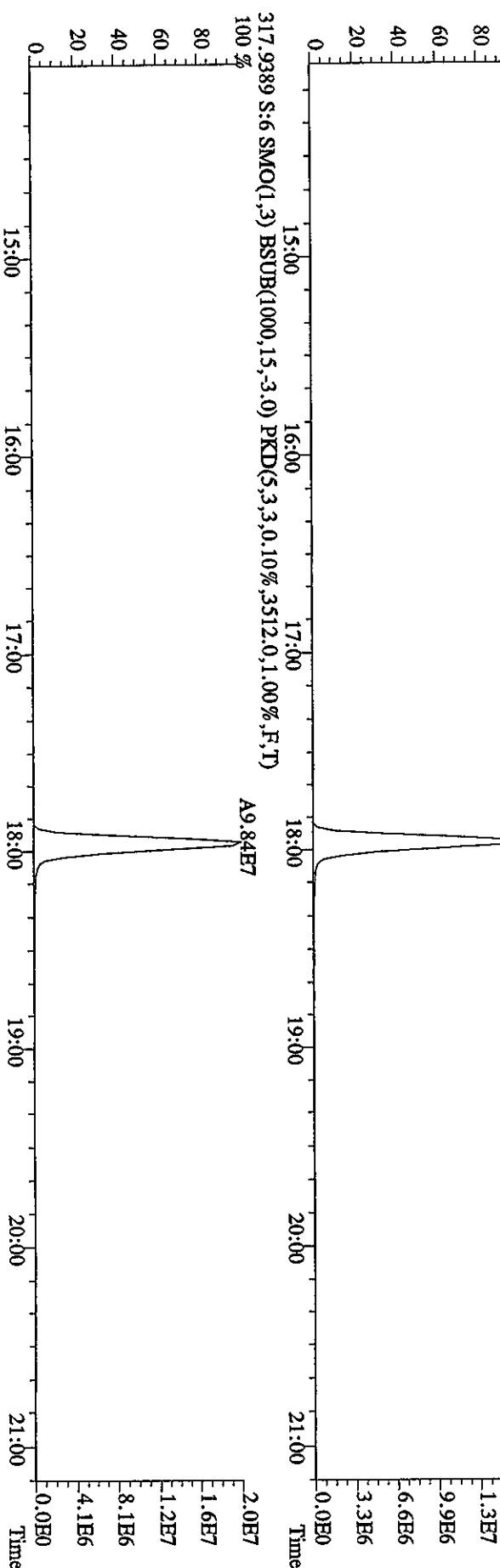
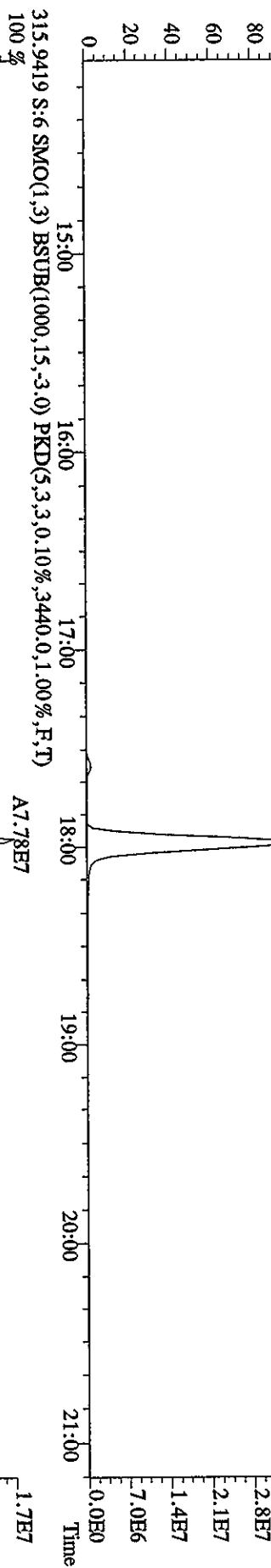
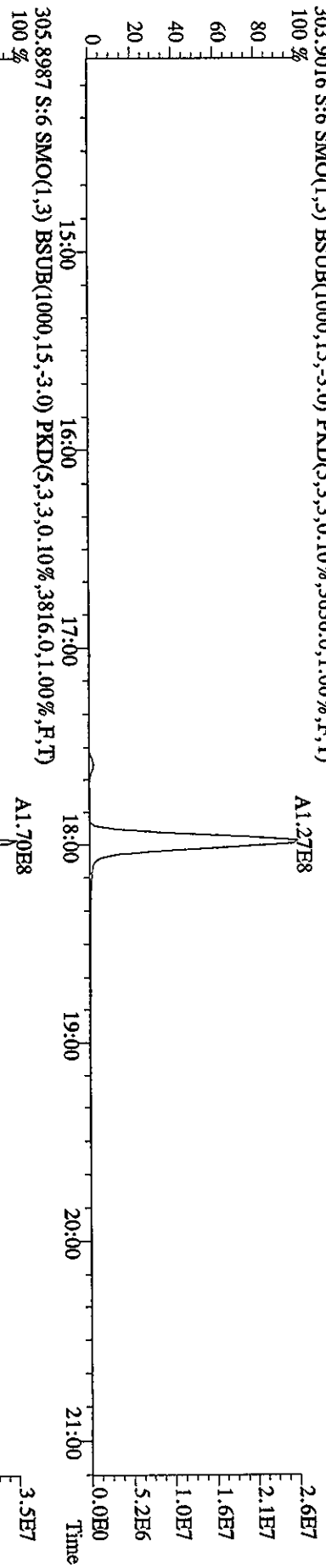
37:58

38:08 38:17

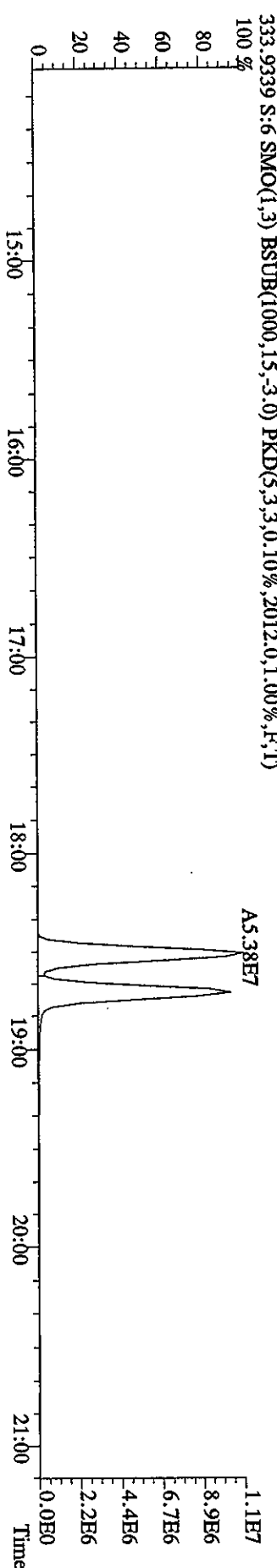
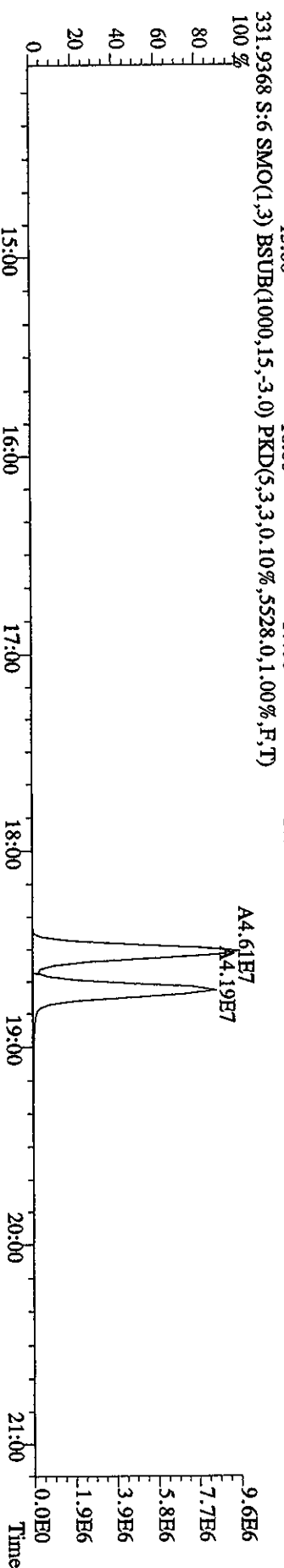
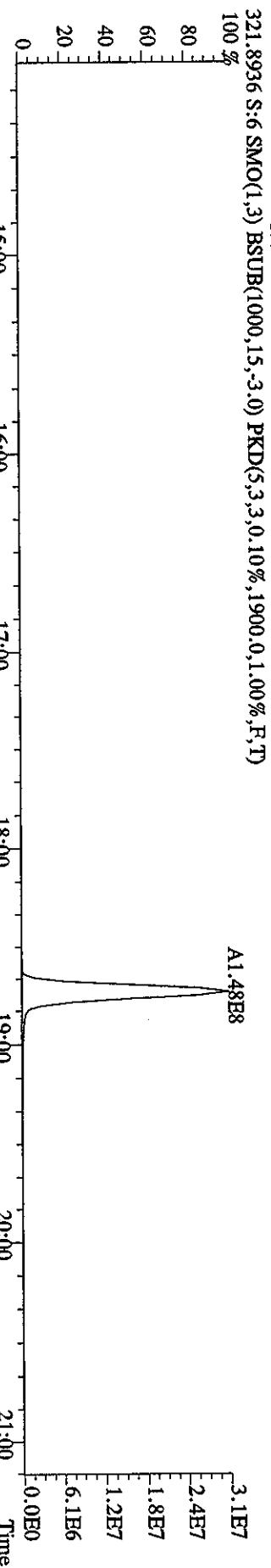
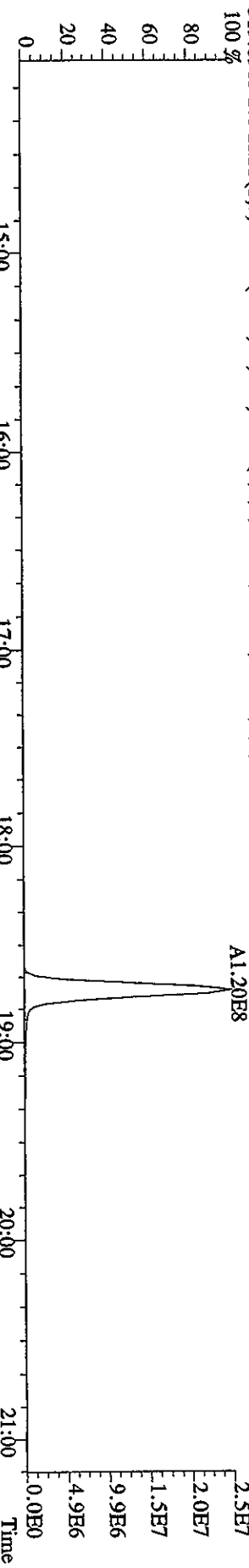
38:44 38:53



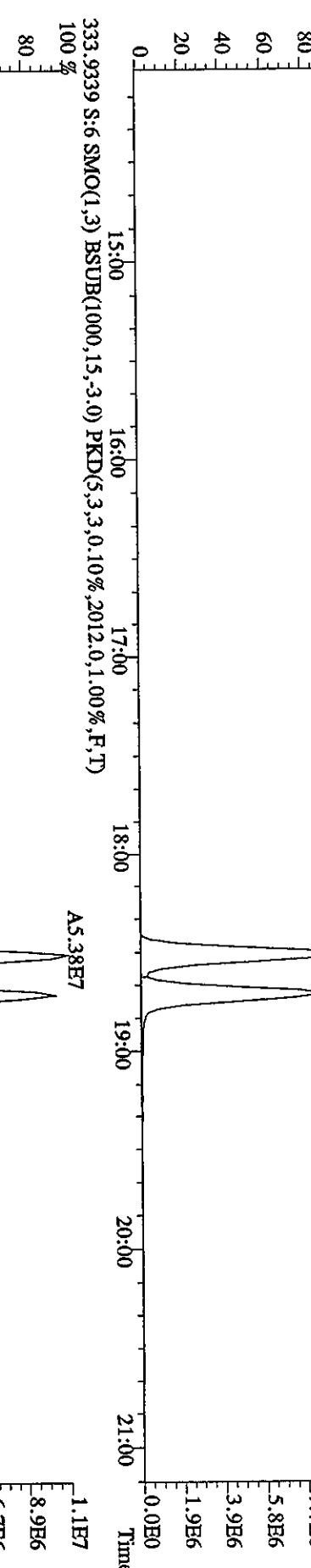
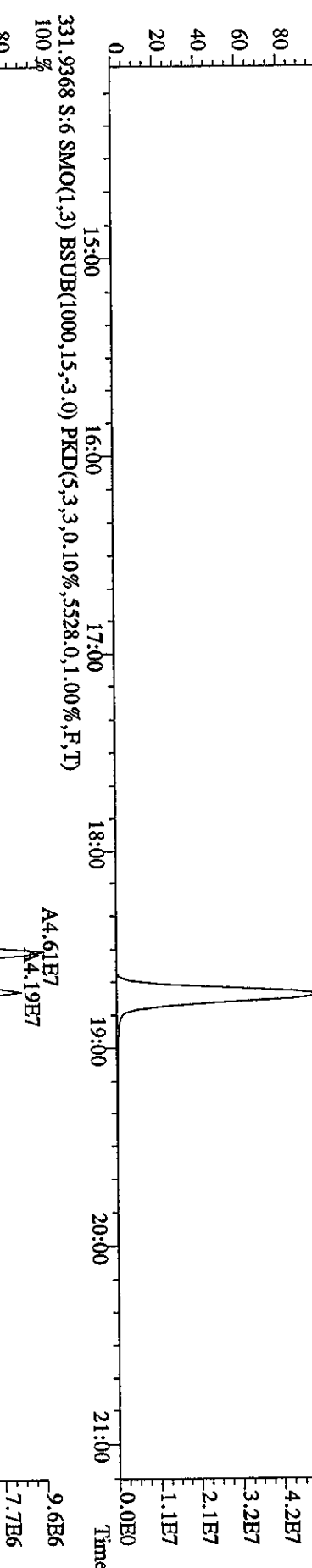
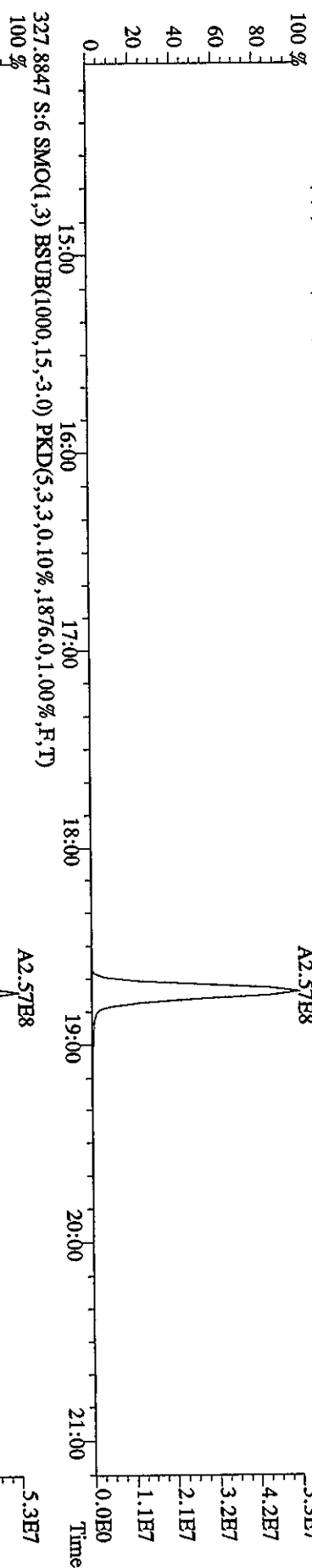
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: ST0328D : CSS 2565-41E Exp: DIOXIN  
 303.9016 S: 6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3636,0,1,00%,F,T)  
 100%



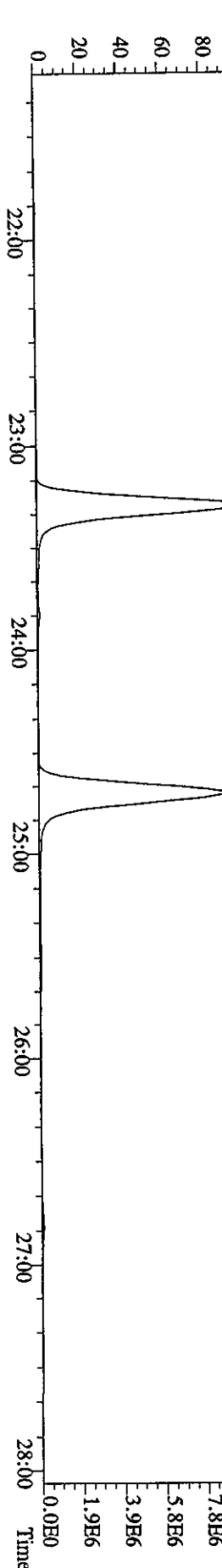
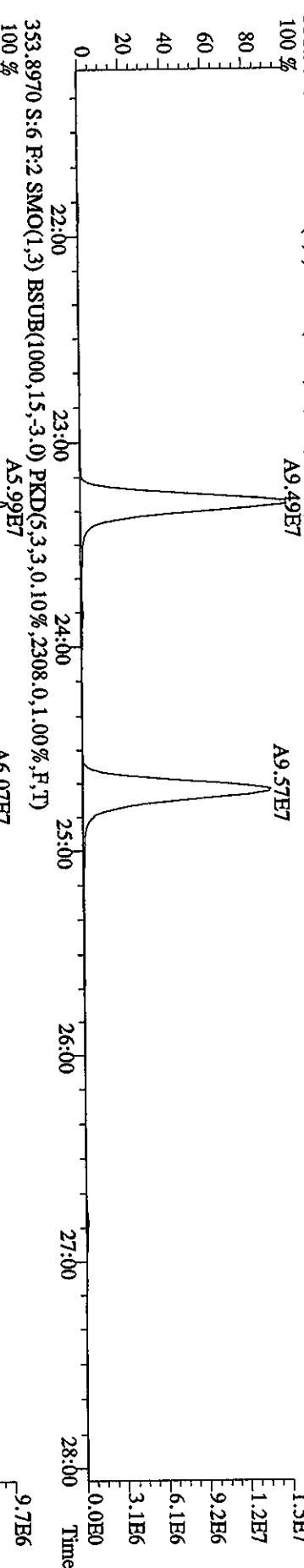
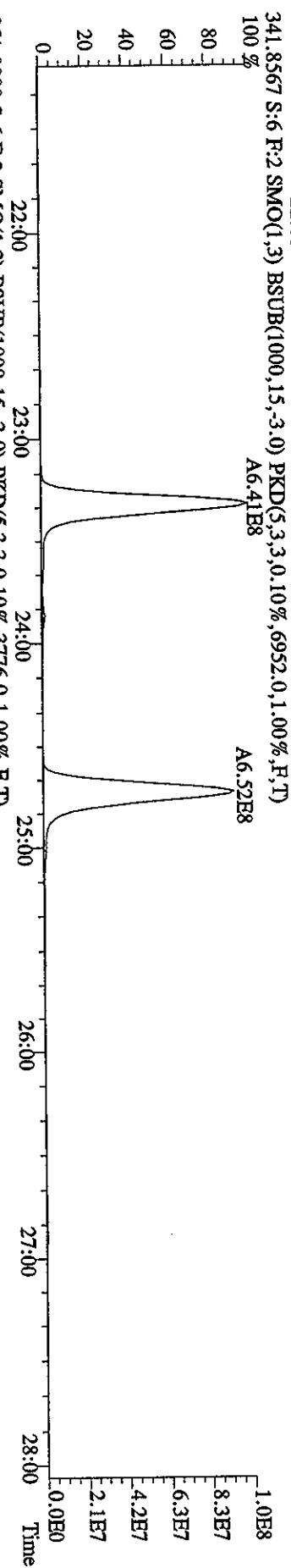
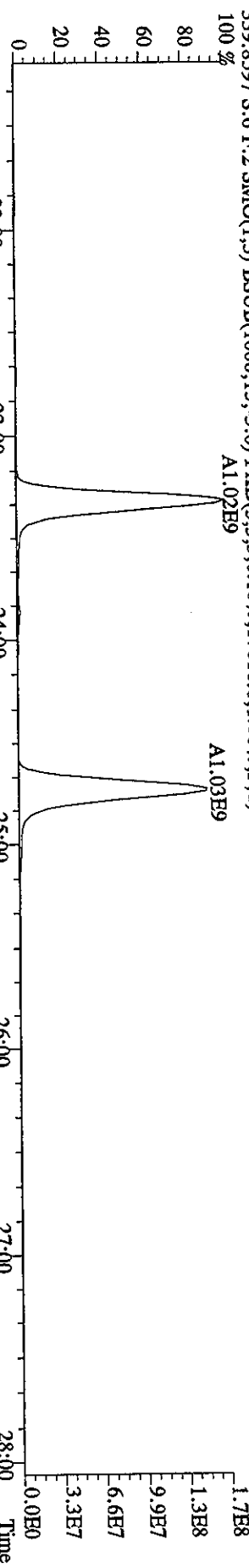
File:28MR068D5 #1-388 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1764,0,1,00%,F,T)



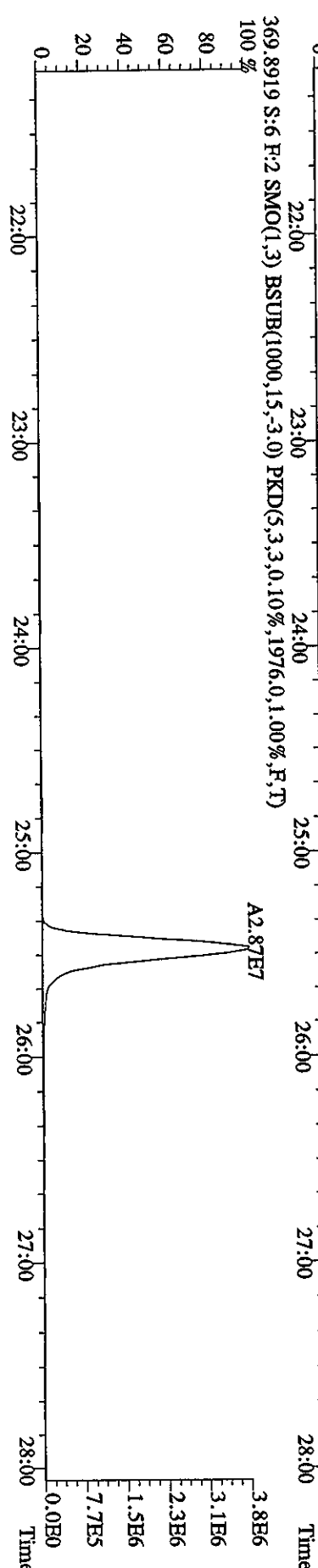
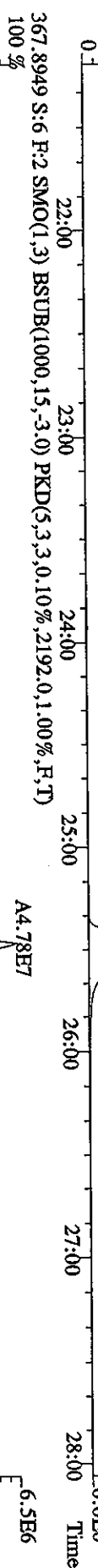
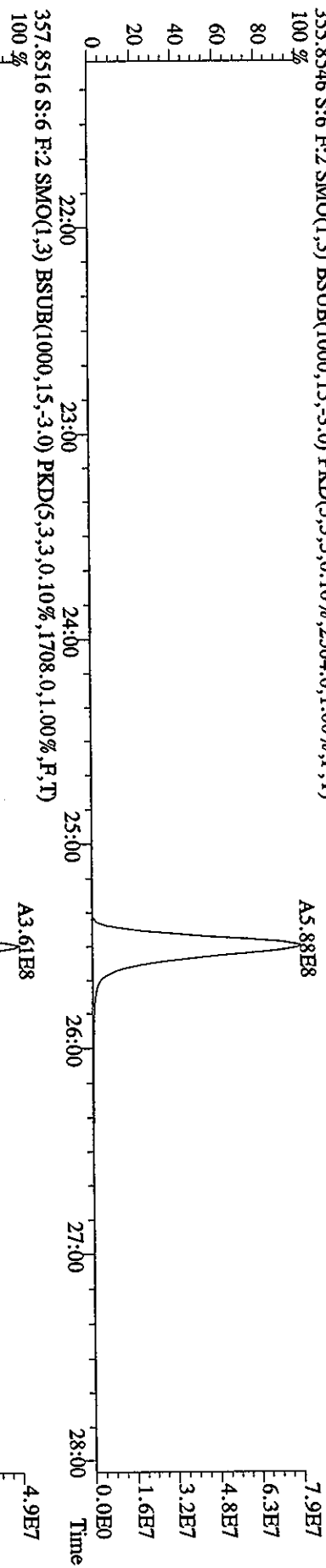
File:28MR068D5 #1-388 Acq:28-MAR-2006 16:40:26 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1876,0,1,00%,F,T)



File:28MR068D5 #1-483 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.7816,0,1.00%,F,T)  
 100% A1.02E9



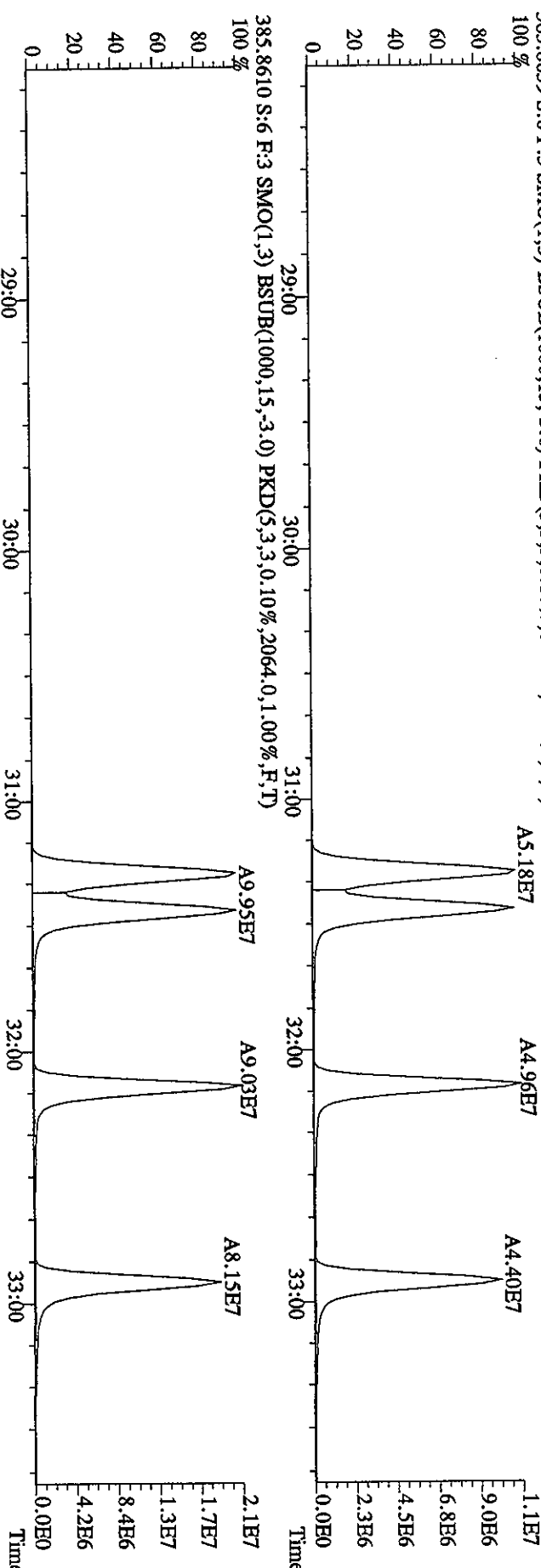
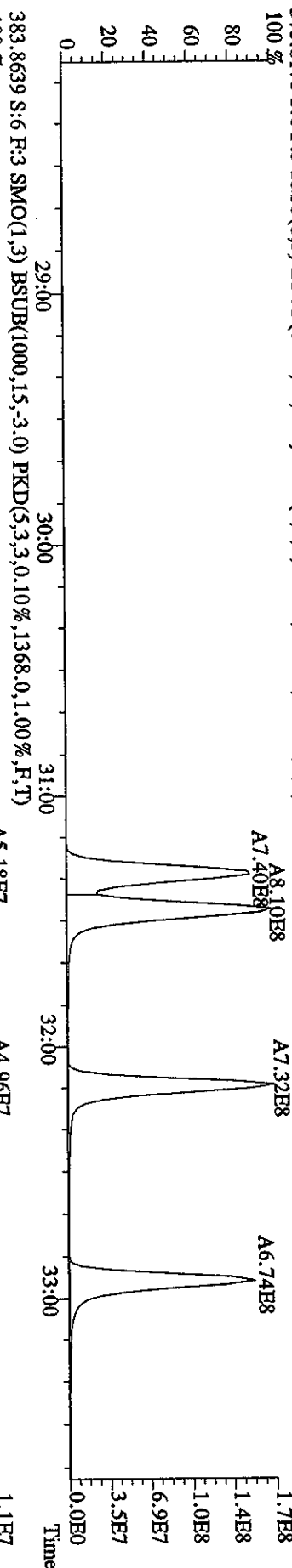
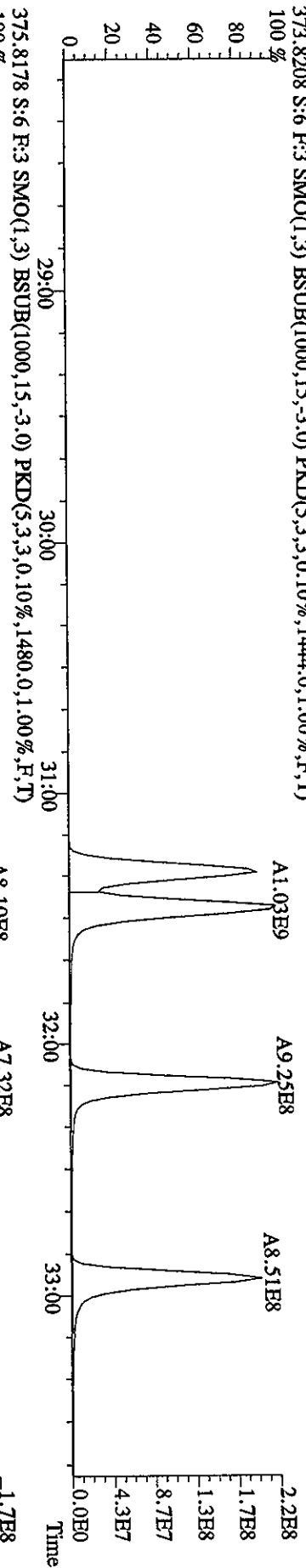
File:28MR068D5 #1-483 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2504,0,1,00%,F,T)



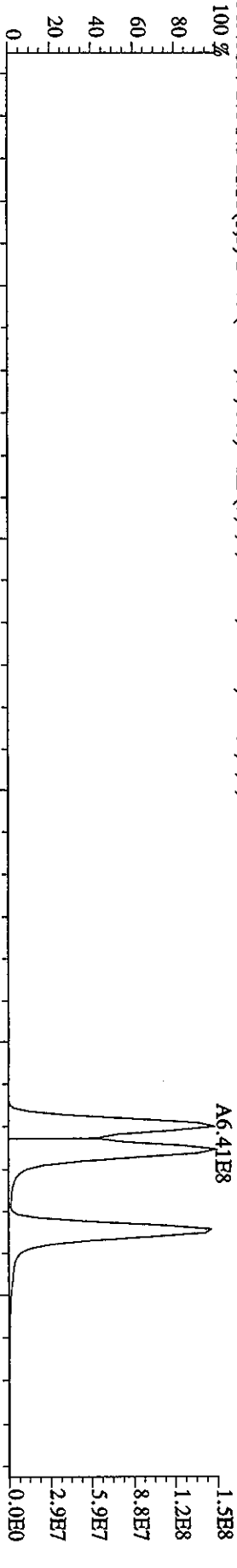
File: 28MR068D5 #1-378 Acq: 28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-Ultimate

Sample#6 Text: ST0328D :CSS 2565-41E Exp: DIOXIN

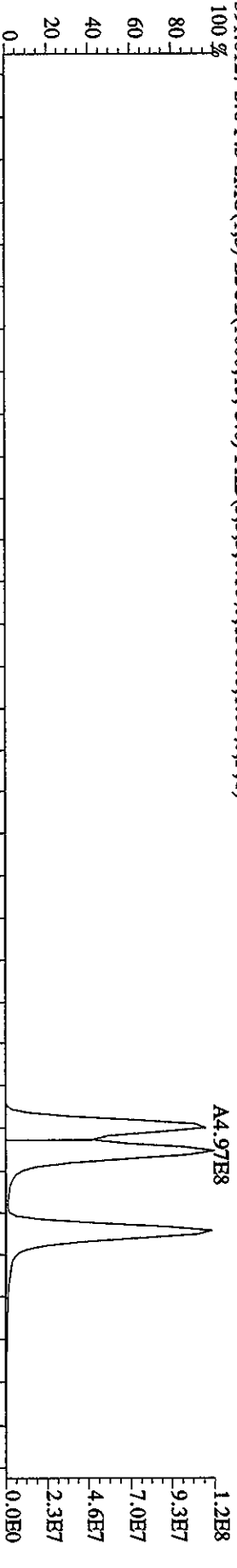
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)



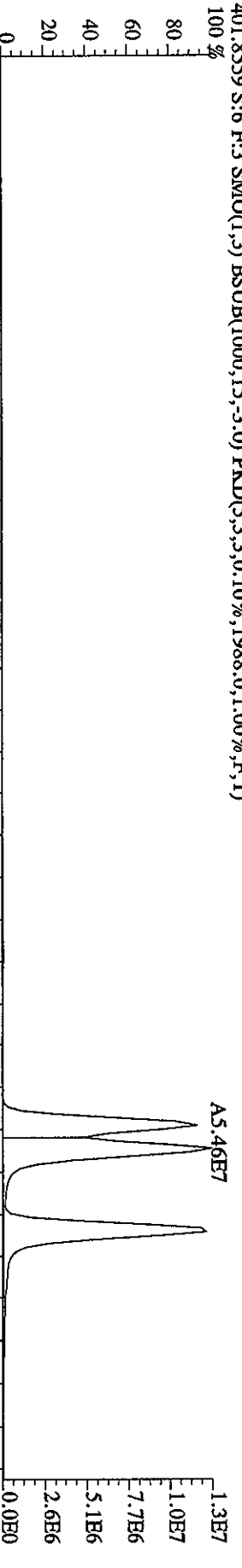
File:28MR068D5 #1-378 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#6 Text:ST0328D :CSS 2565-4IE Exp:DIOXIN  
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1668,0,1.00%,F,T)



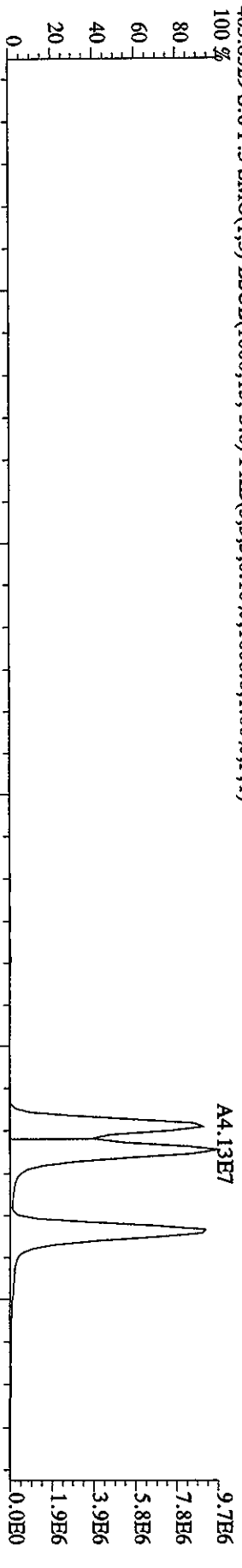
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1580,0,1.00%,F,T)



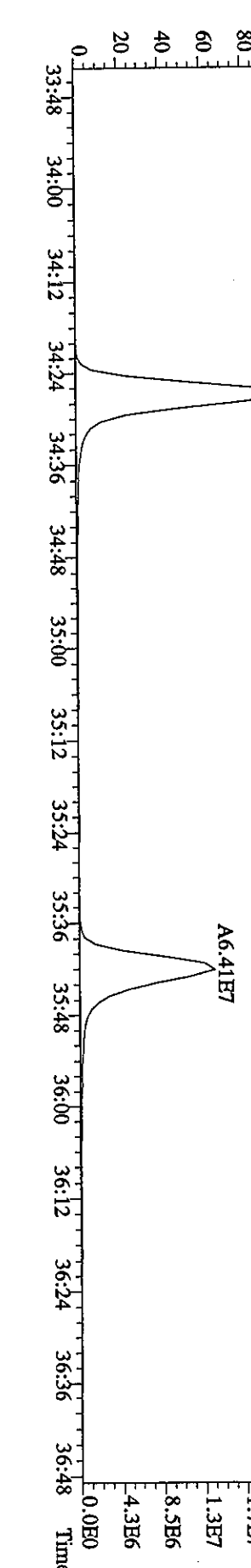
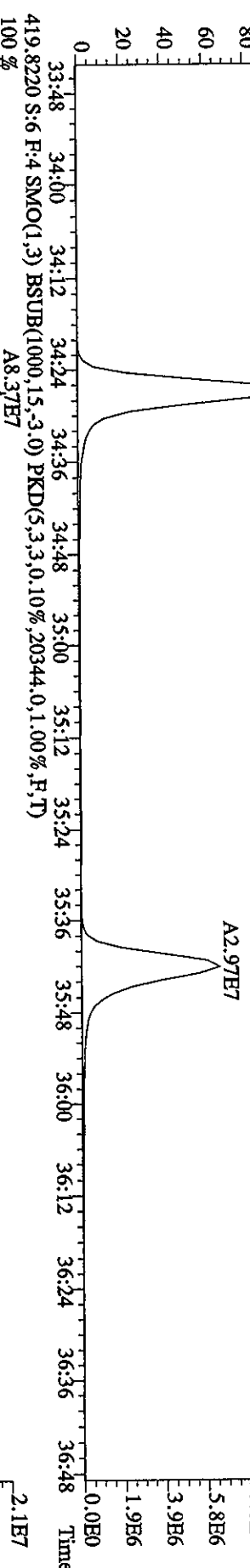
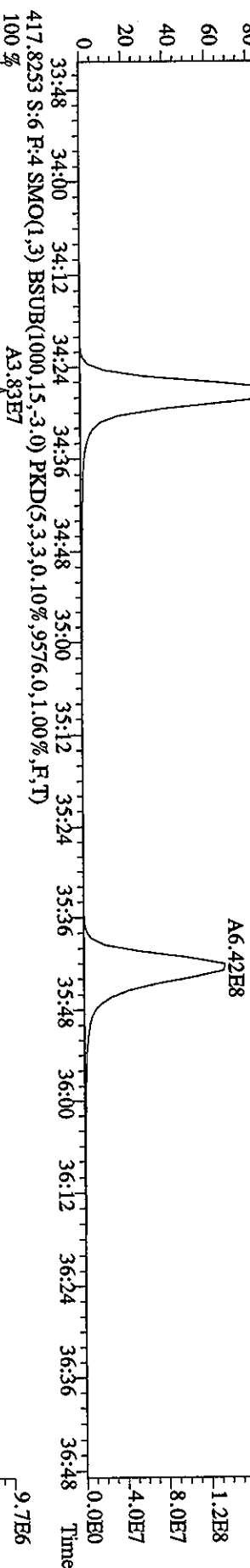
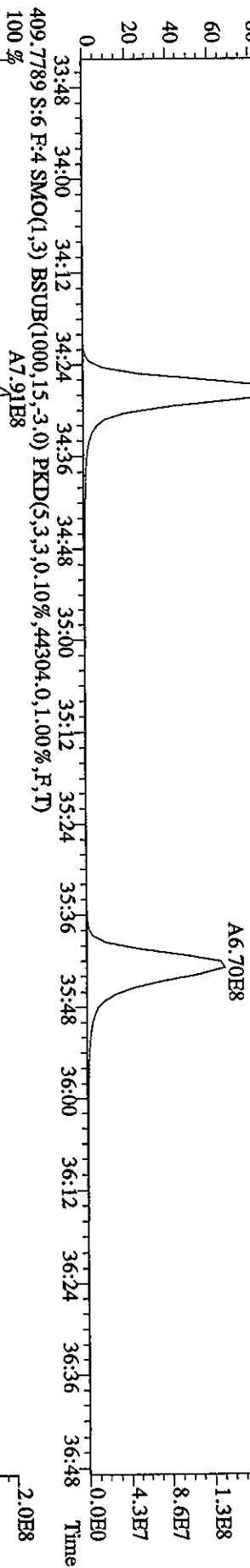
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1988,0,1.00%,F,T)



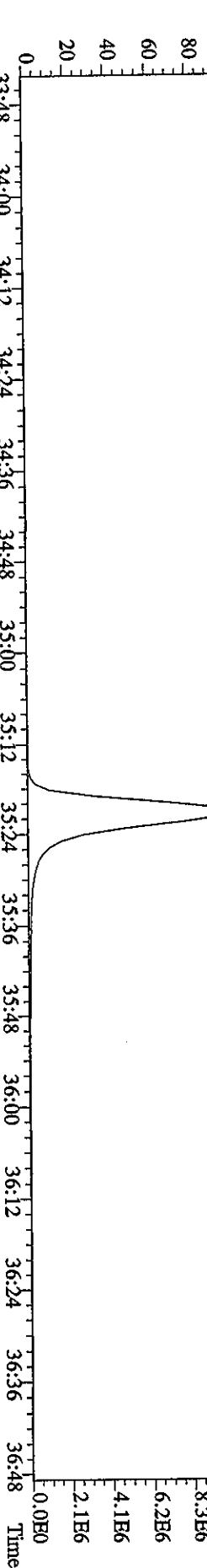
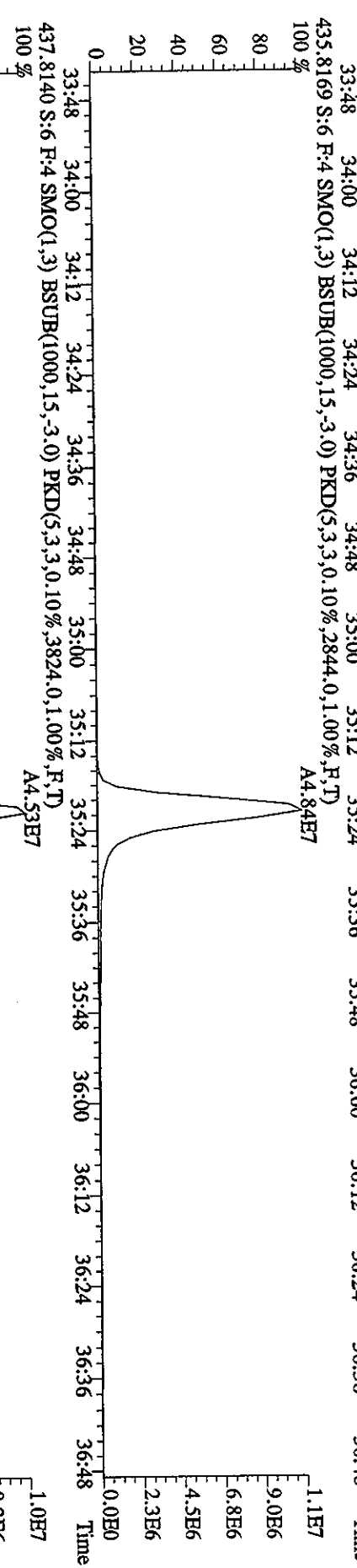
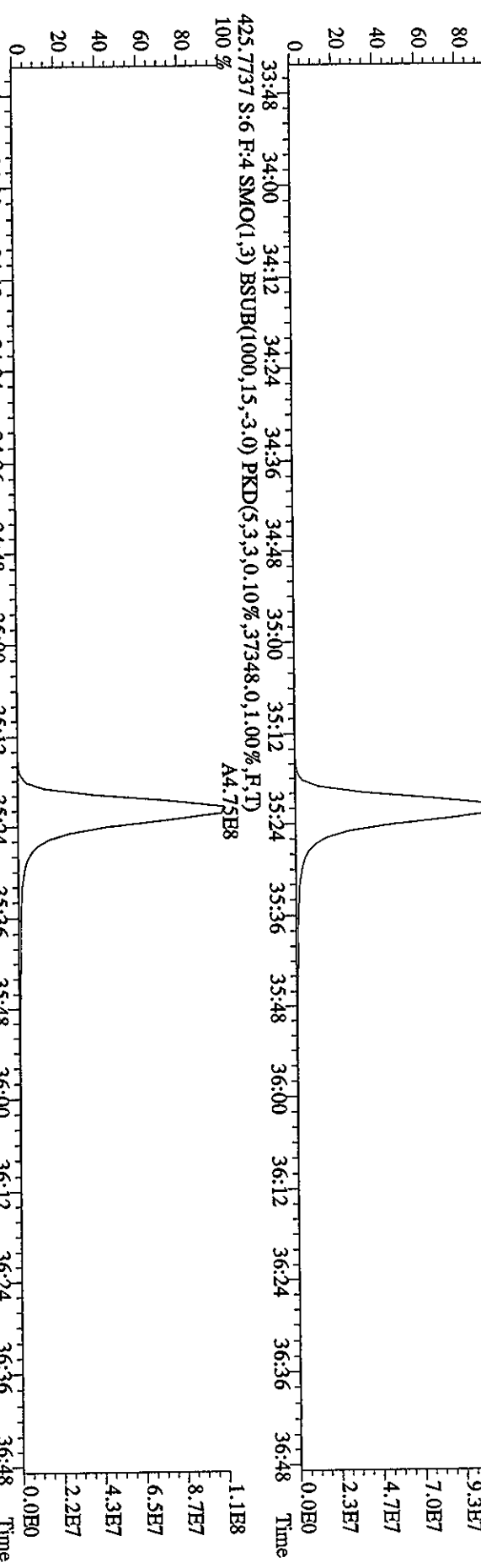
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1608,0,1.00%,F,T)



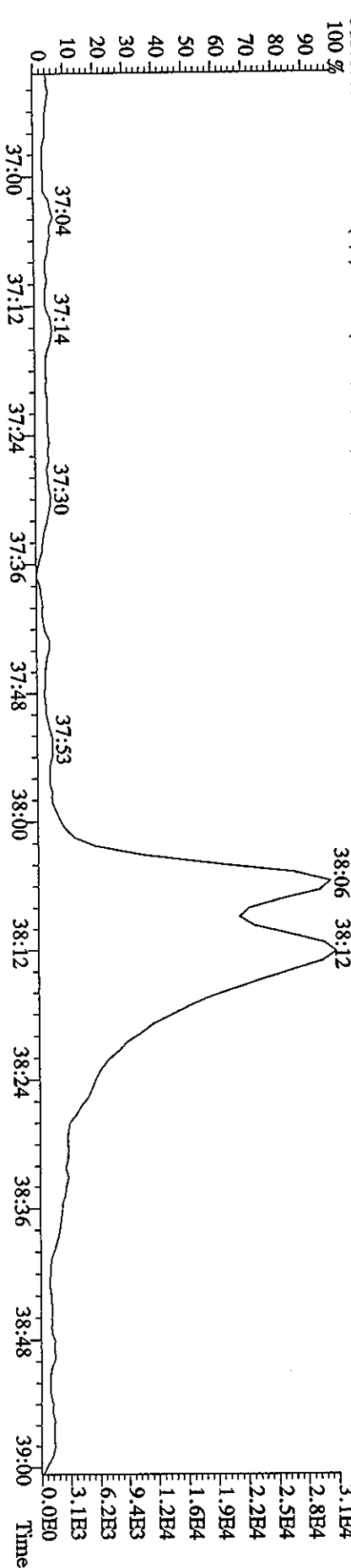
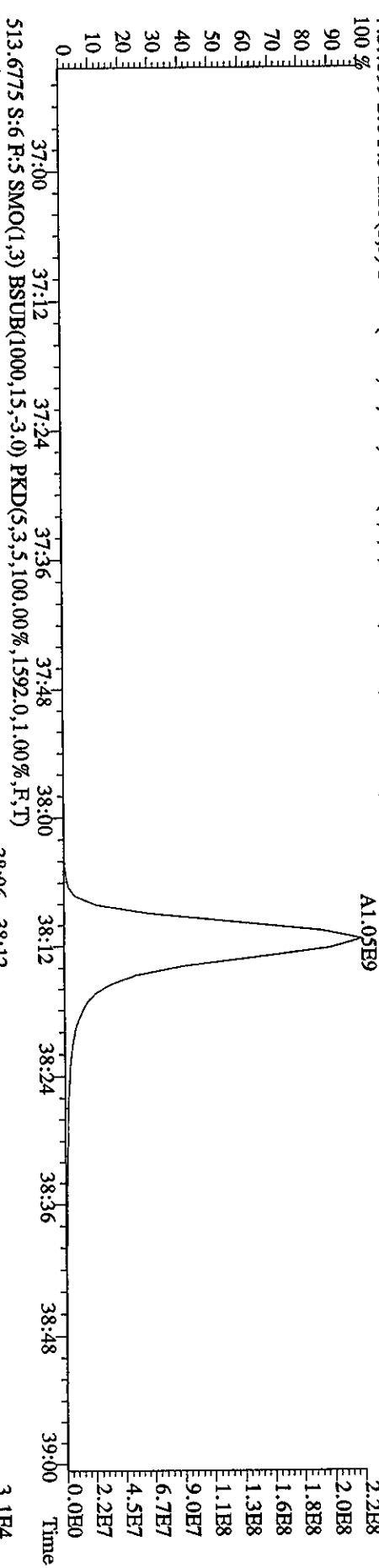
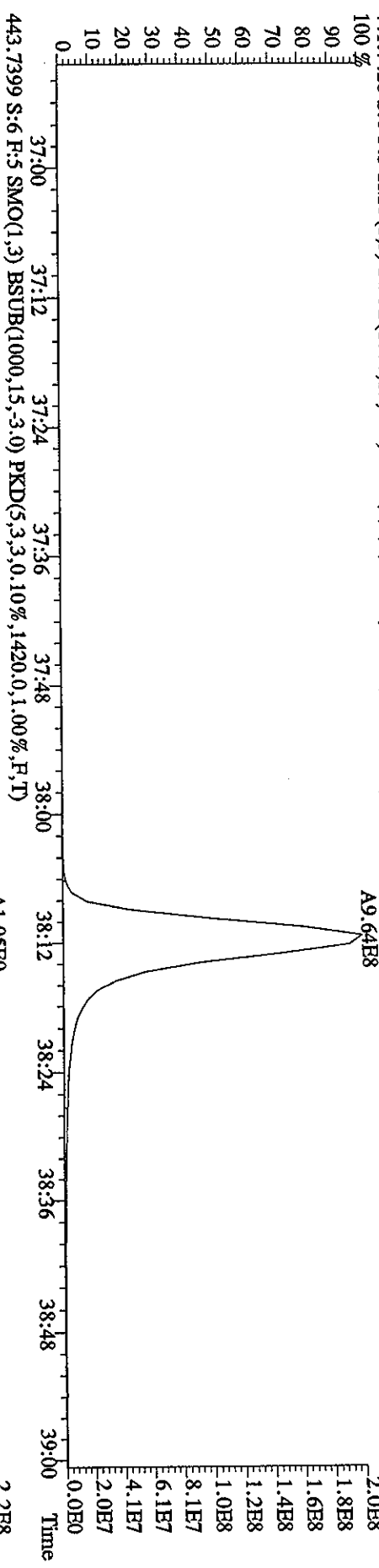
File:28MR068D5 #1-217 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,53200.0,1.00%,F,T)  
 100% A8.29E8



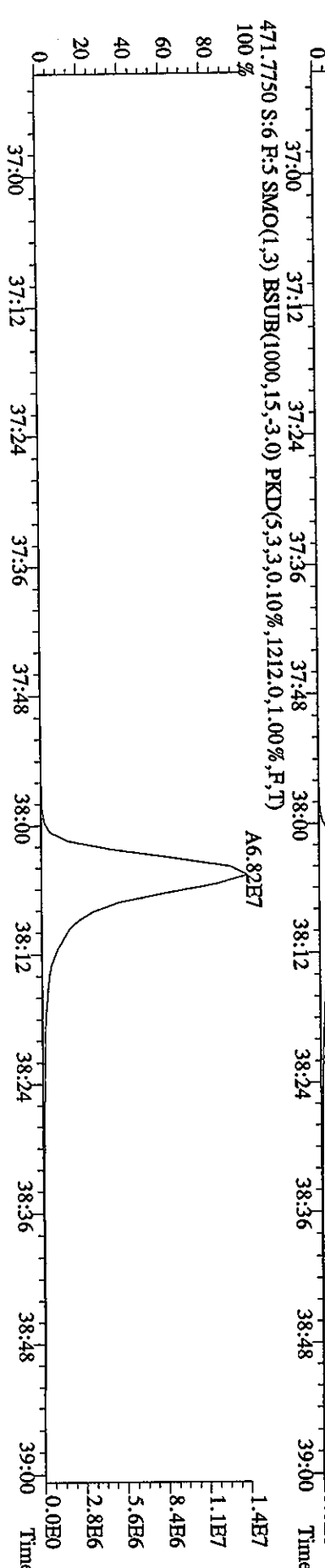
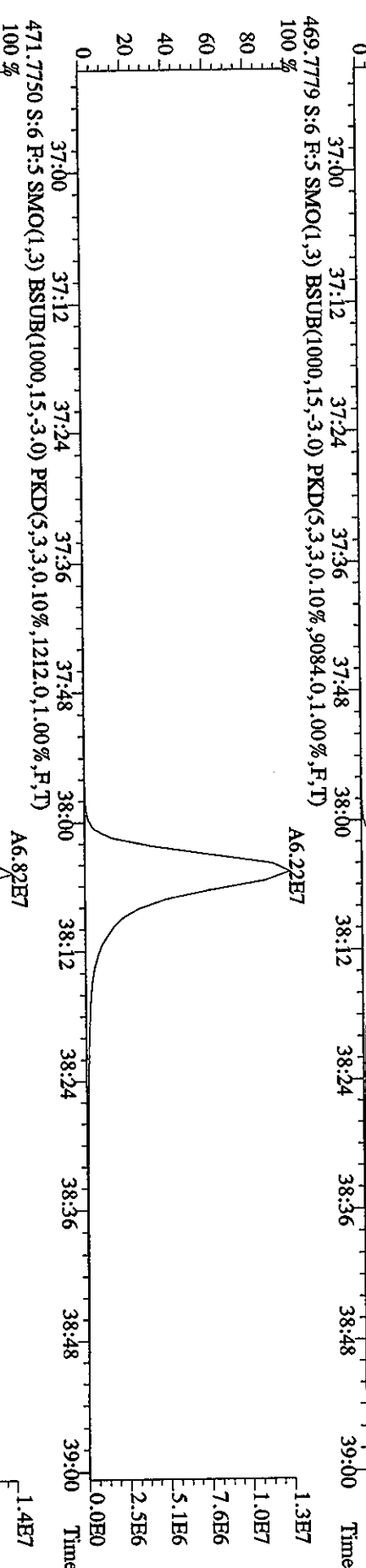
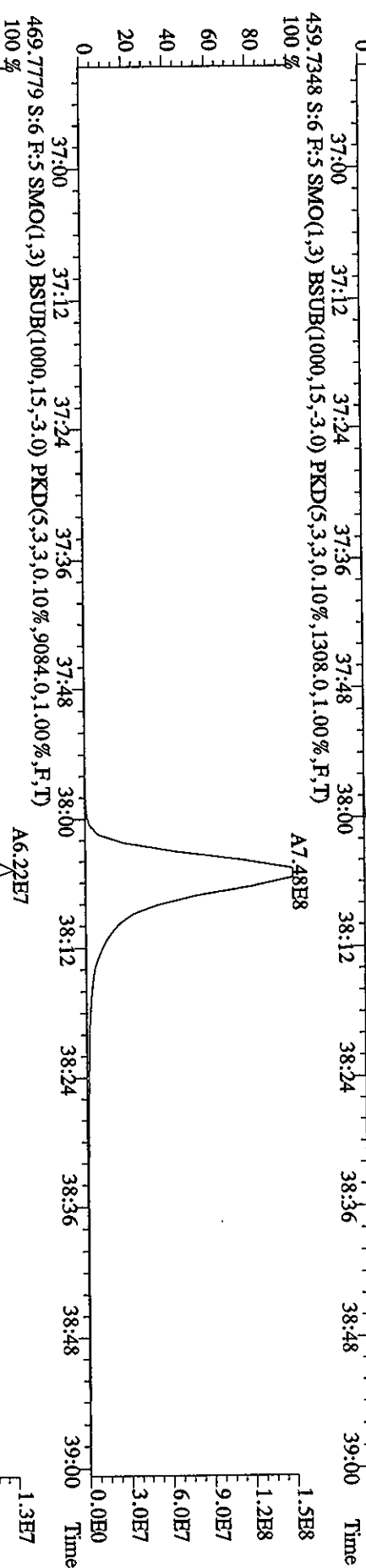
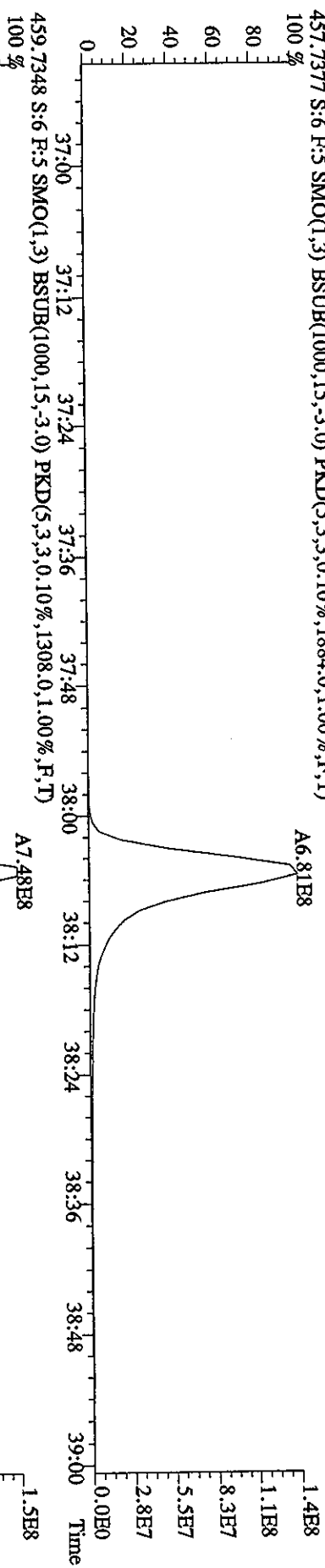
File: 28MR068D5 #1-217 Acq: 28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text: ST0328D :CSS 2565-41E Exp: DIOXIN  
 423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,38504,0,1.00%,F,T)  
 100% A5.06E8



File: 28MR068D5 #1-157 Acq: 28-MAR-2006 16:40:26 GC HI + Voltage SIR Autospec-UltimaE  
 Sample#6 Text: ST0328D :CS5 2565-41E Exp: DIOXIN  
 441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1160.0,1.00%,F,T)

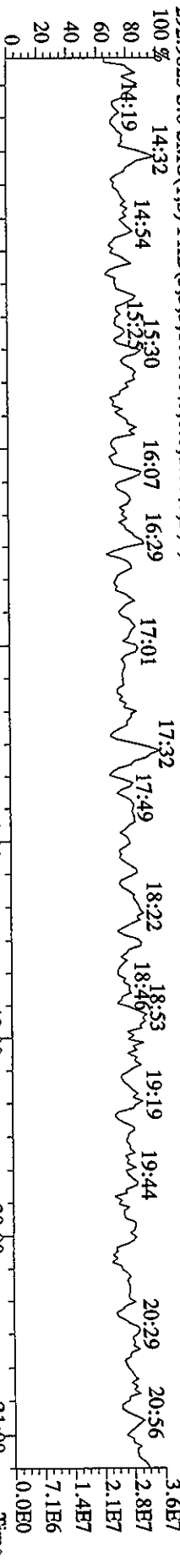


File:28MR068D5 #1-157 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1884.0,1.00%,F,T)

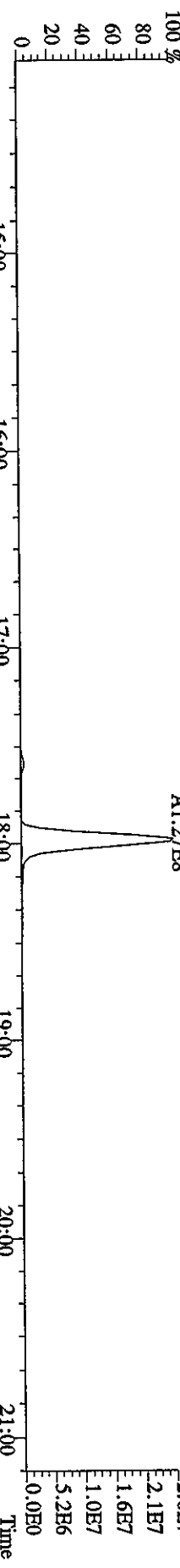


Sample#6 Text: ST0328D : CSS 2565-41E Exp: DIOXIN

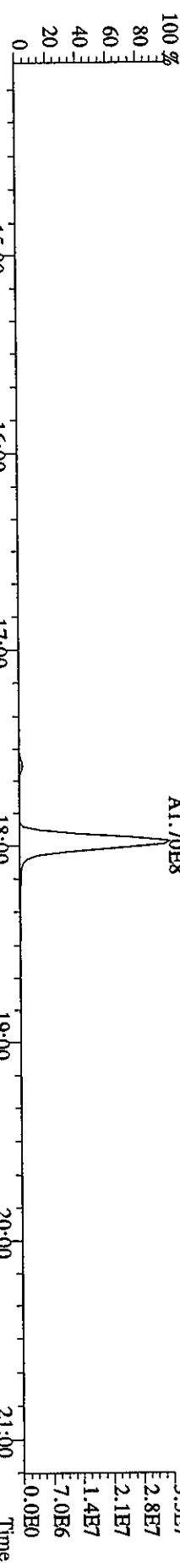
292.9825 S:6 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



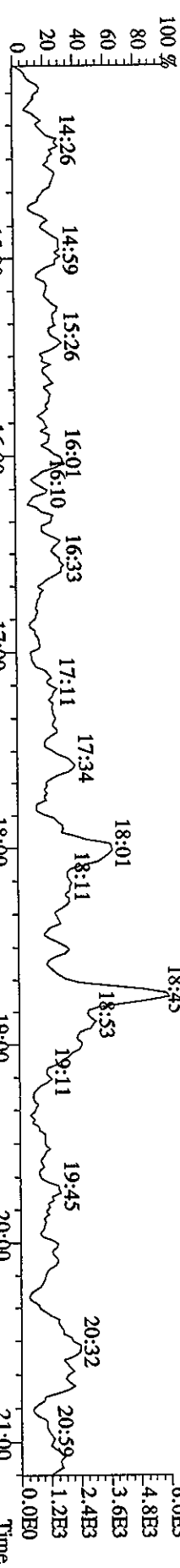
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636,0,1.00%,F,T)



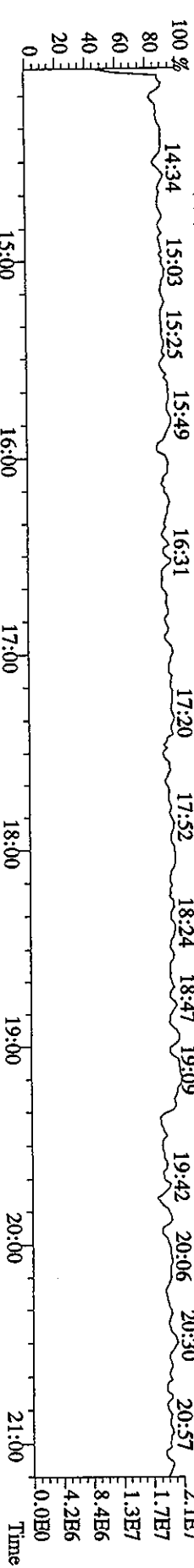
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3816,0,1.00%,F,T)



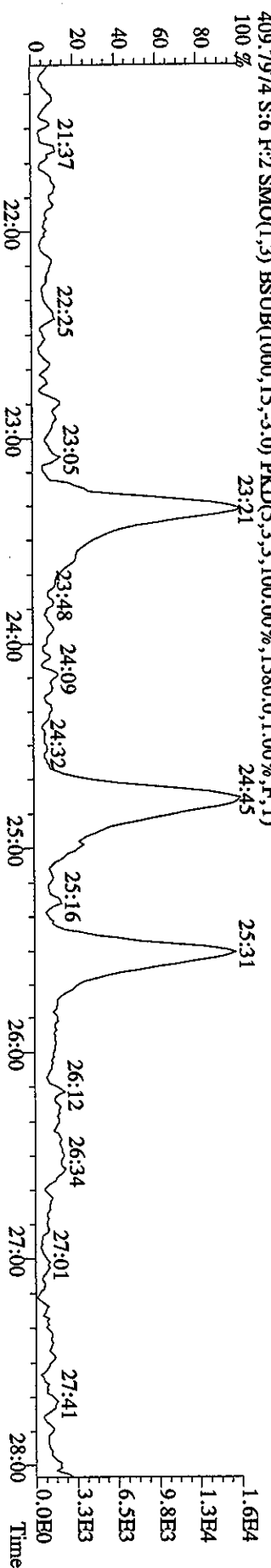
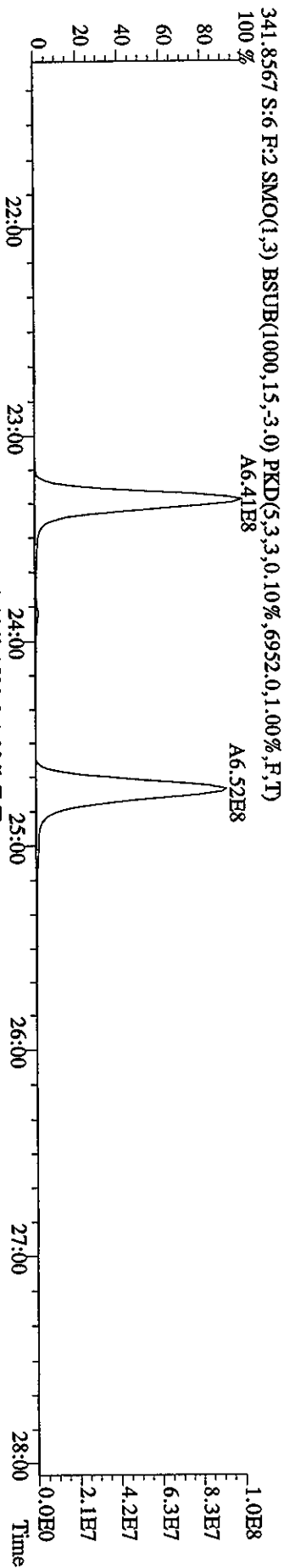
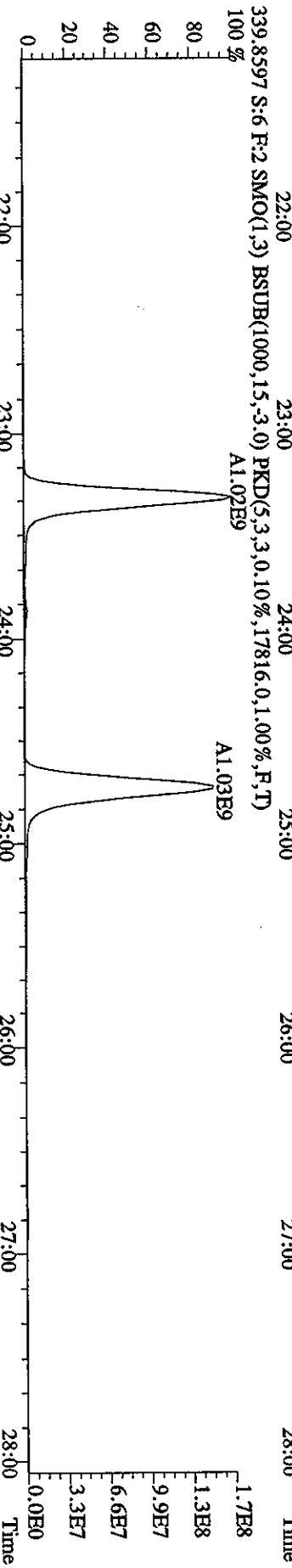
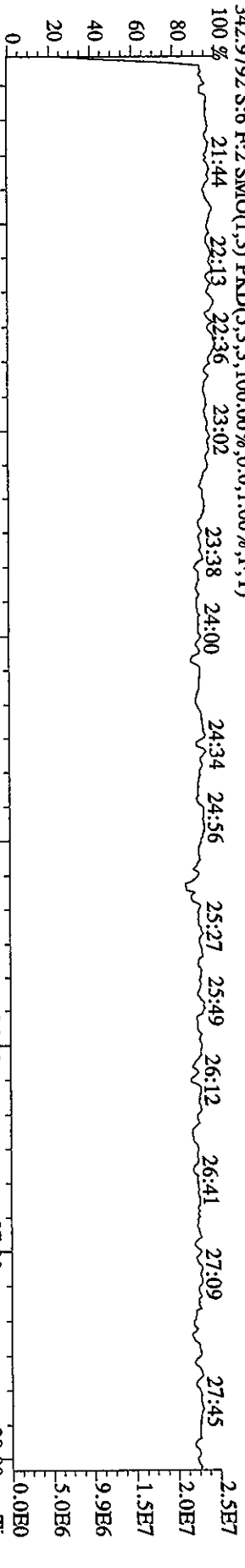
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1644,0,1.00%,F,T)



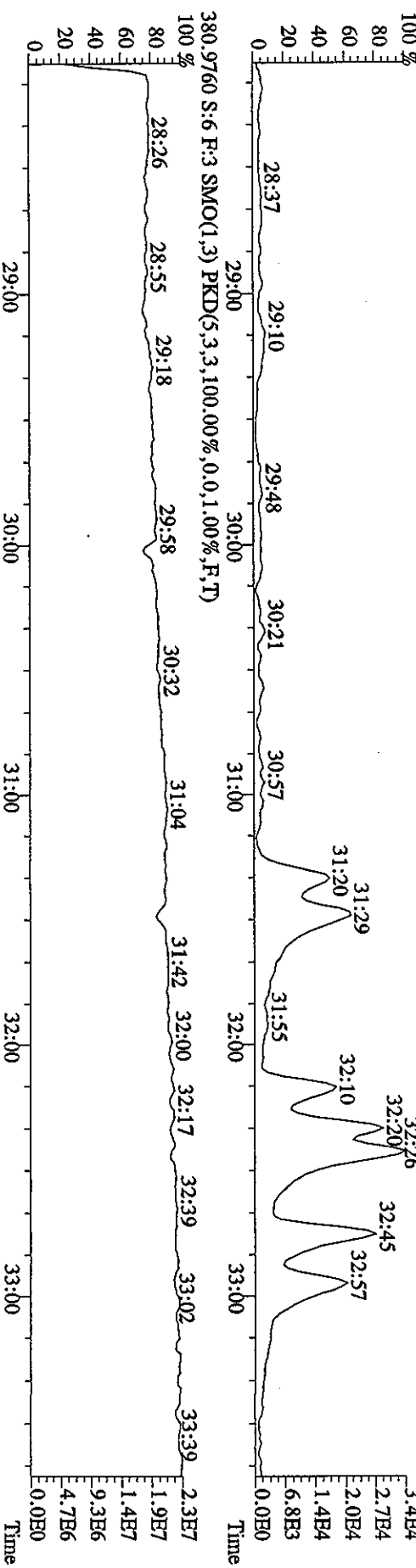
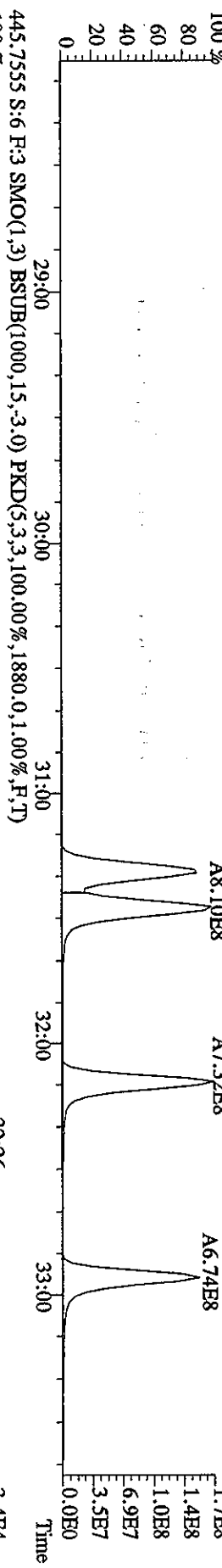
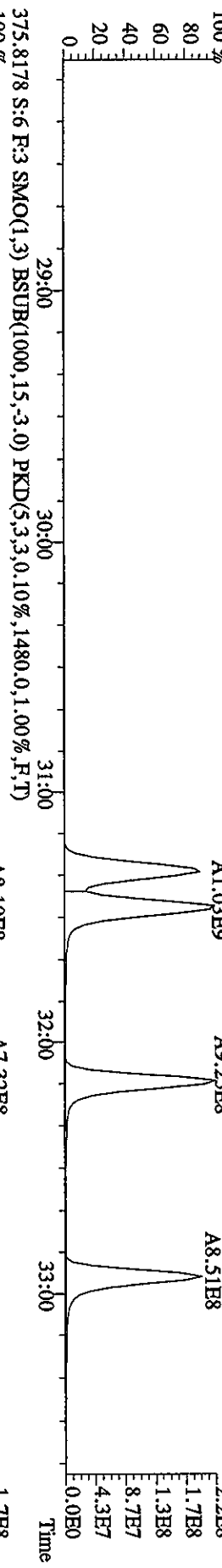
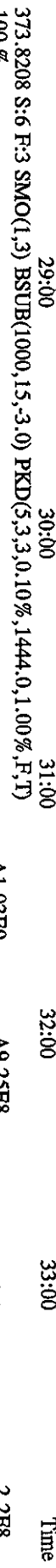
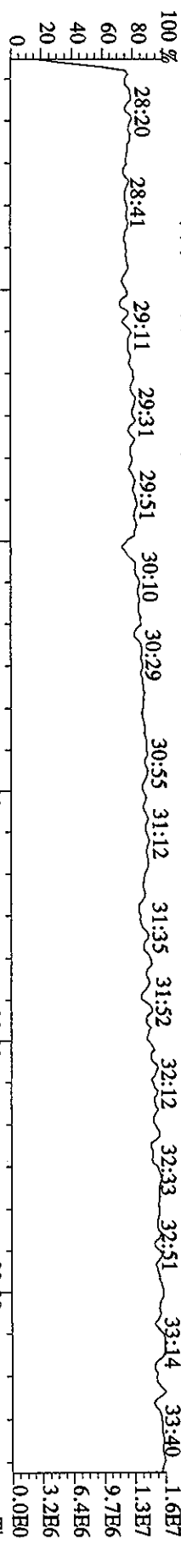
330.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Sample#6 Text:ST0328D :CS5 2565-41E Exp:DIOXIN

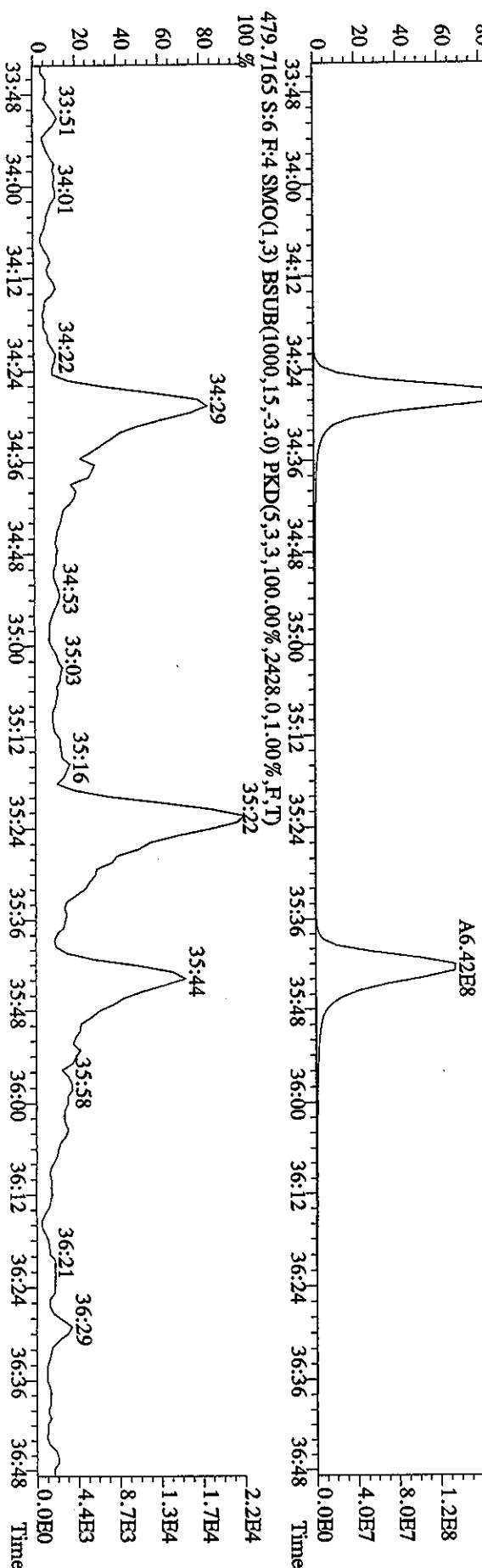
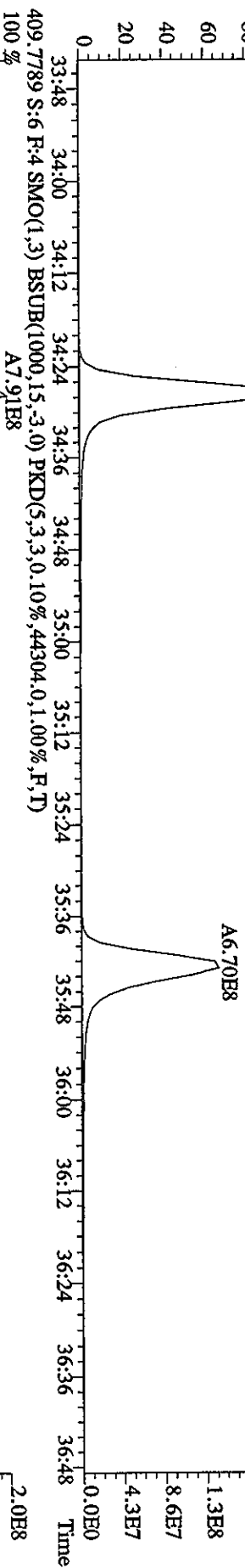
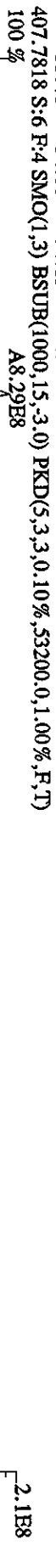
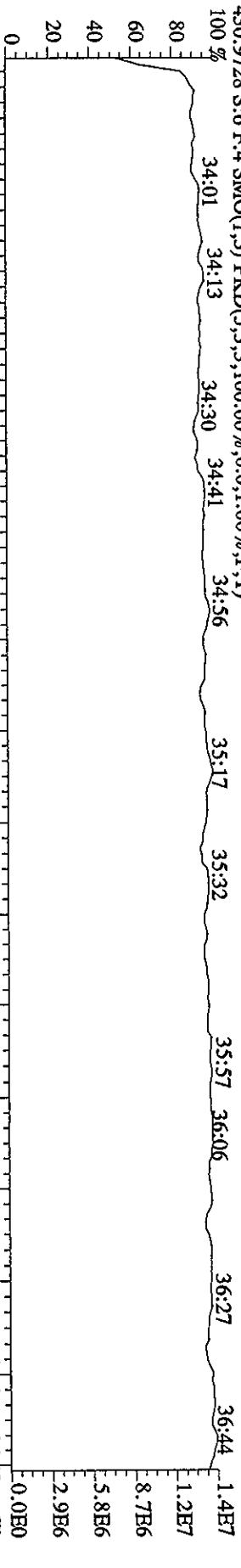


File:28MR068D5 #1-378 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)  
 380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

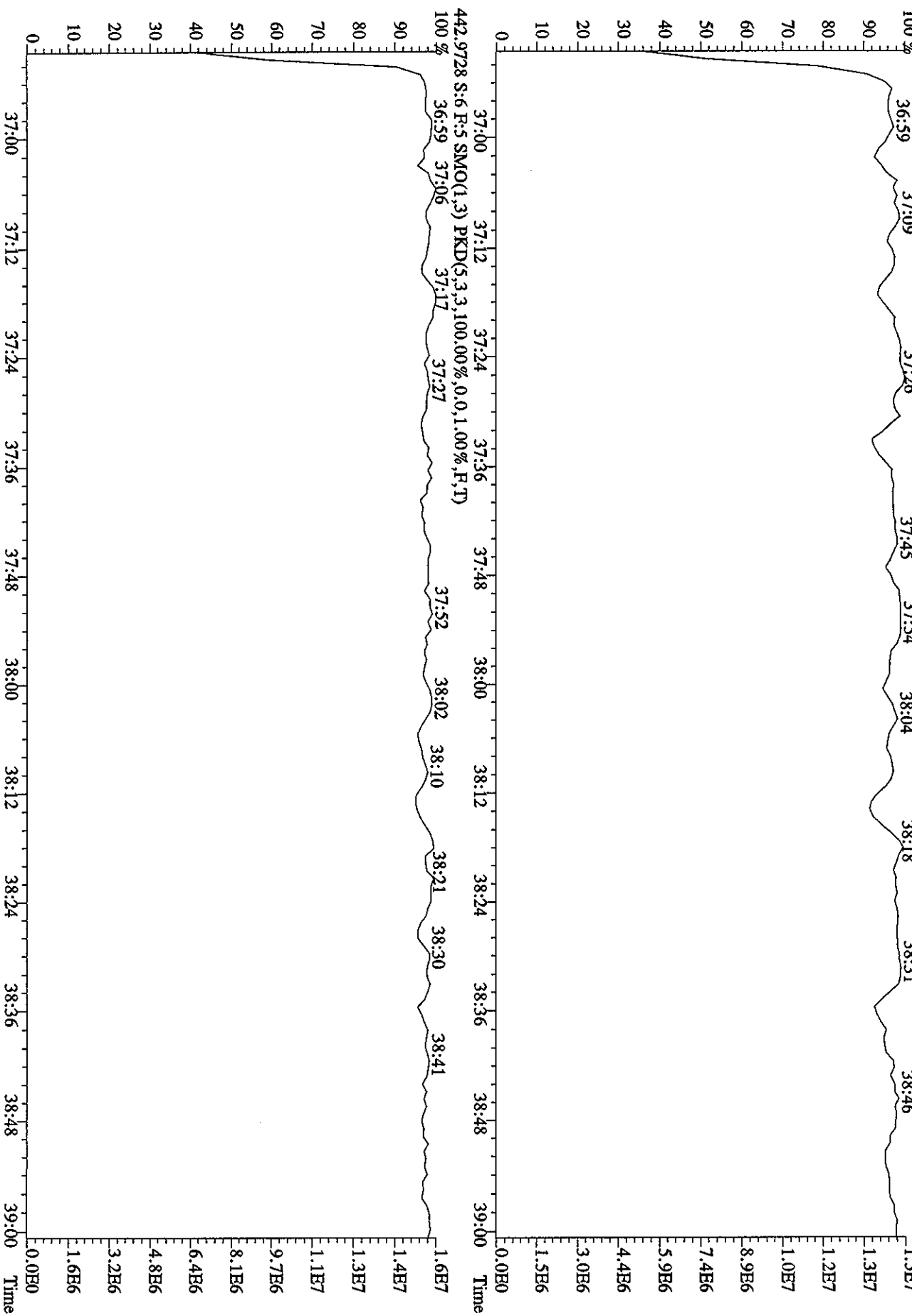


Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN

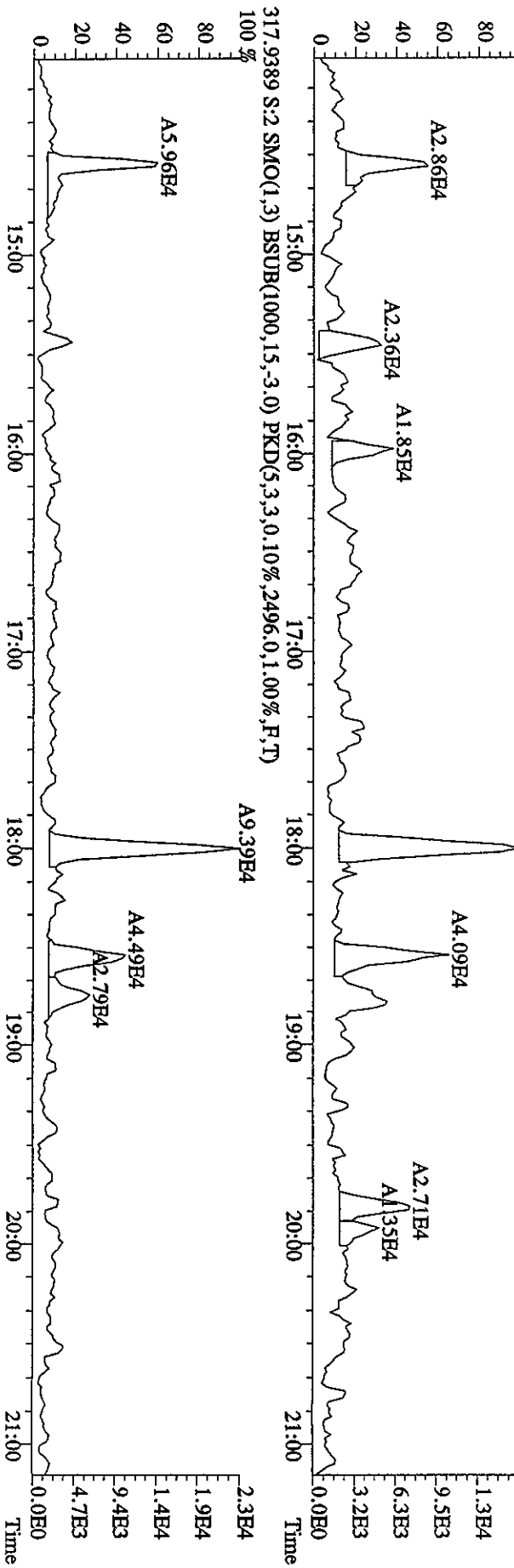
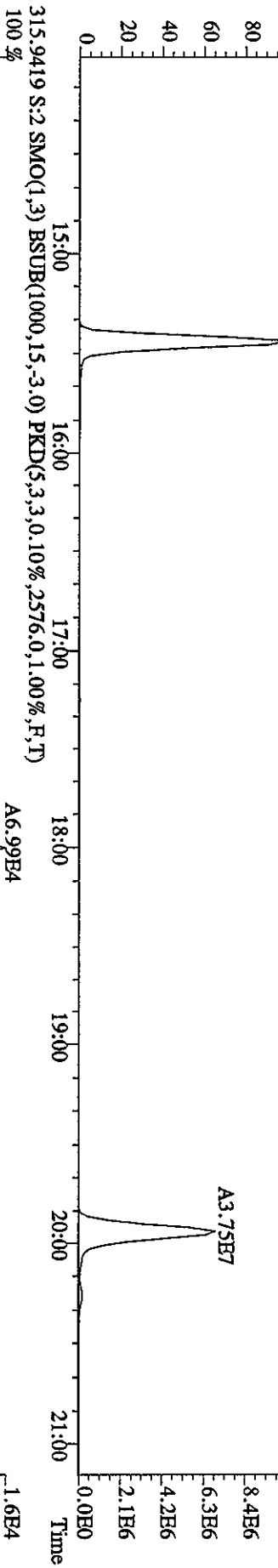
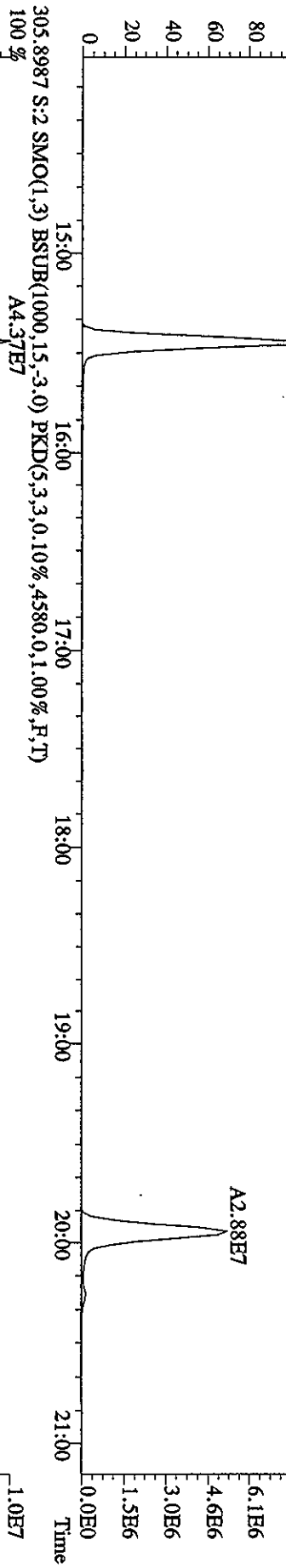
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



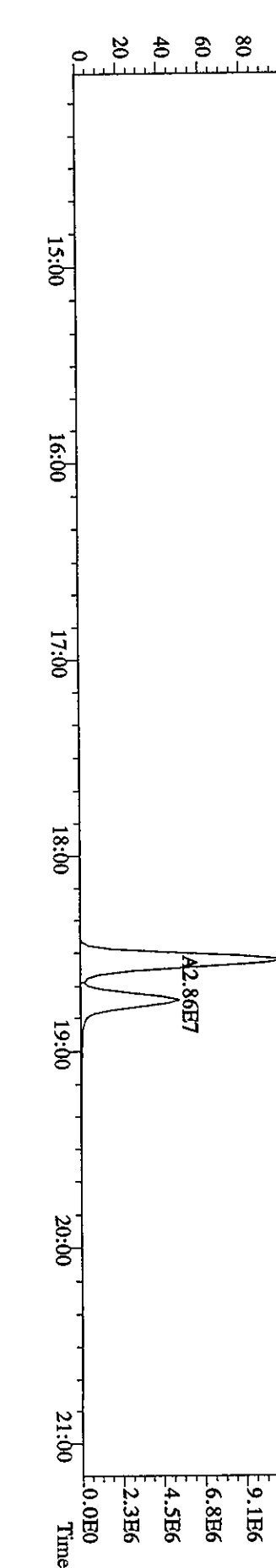
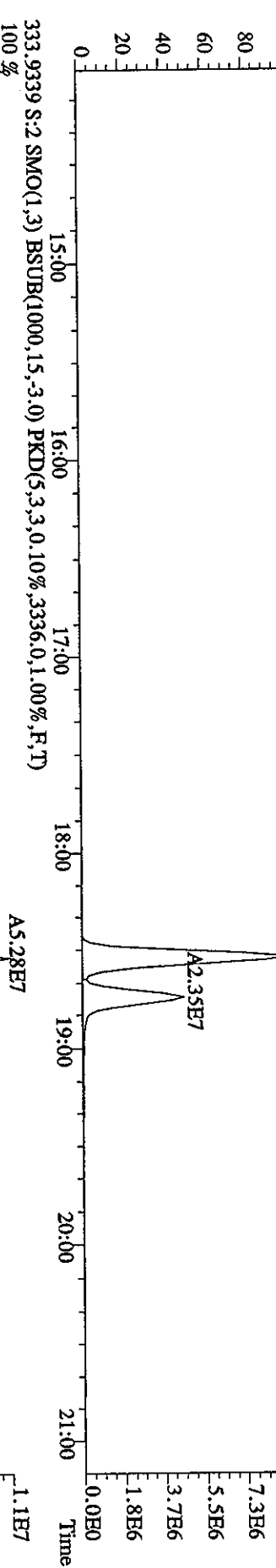
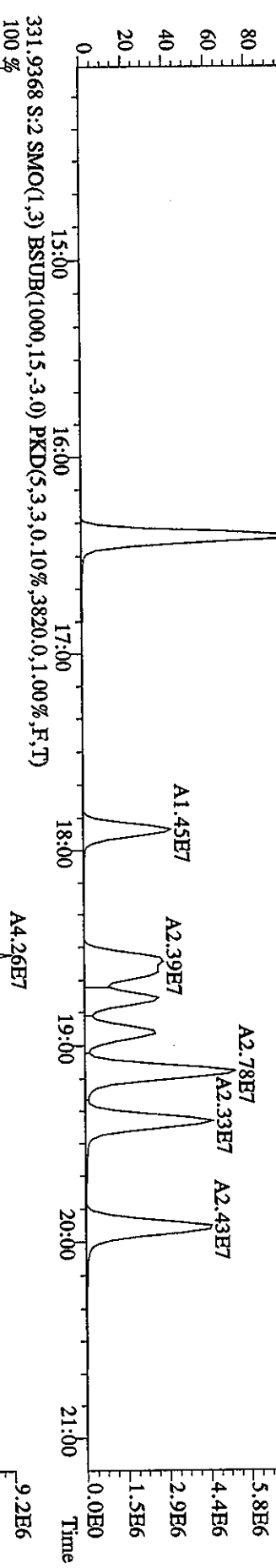
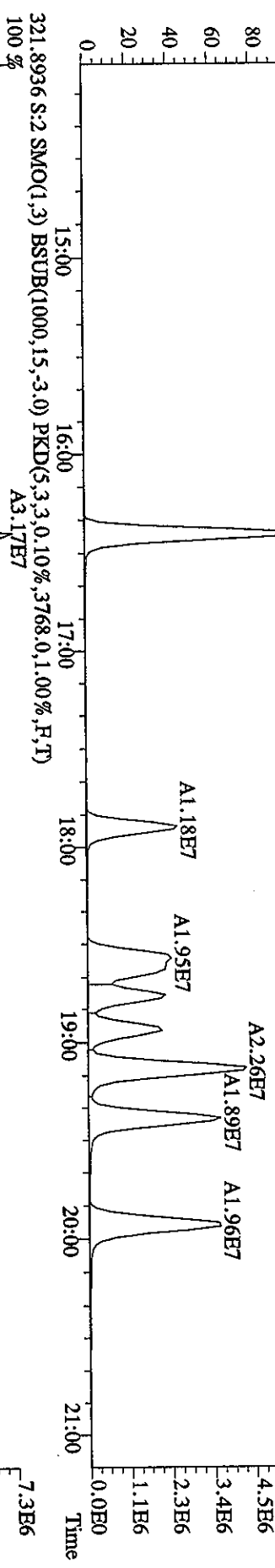
File:28MR068D5 #1-157 Acq:28-MAR-2006 16:40:26 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0328D :CSS 2565-41E Exp:DIOXIN  
 454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



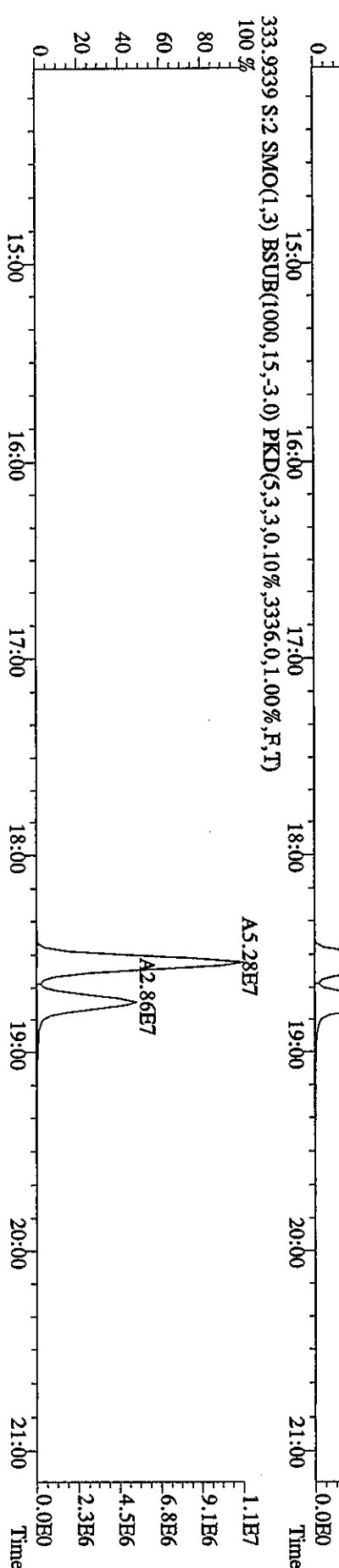
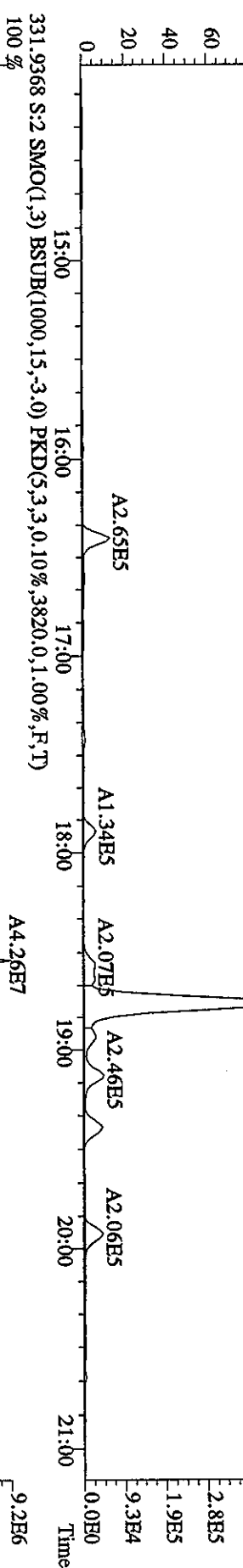
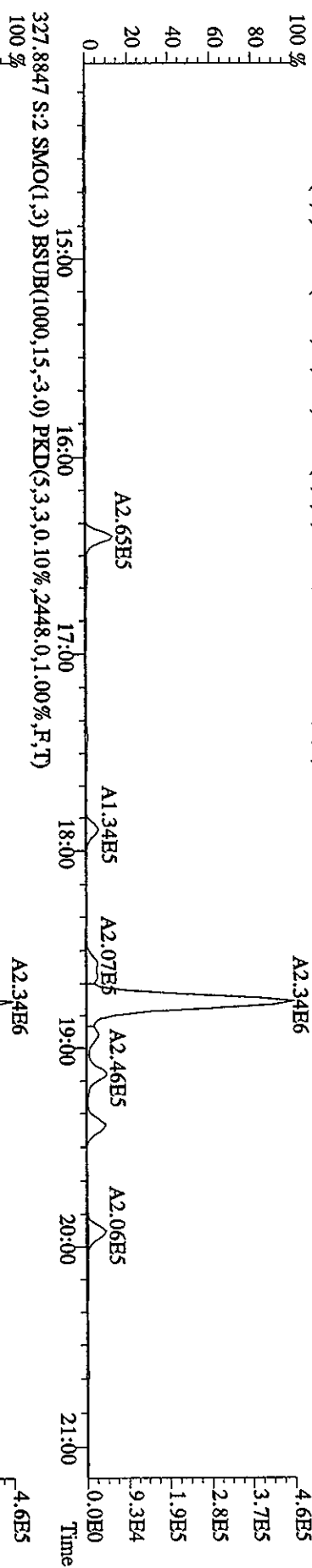
File:28MR068D5 #1-388 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:CP0328 :DB-5 CPM 2565-47 Exp:DIOXIN  
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4332.0,1.00%,F,T)  
 100% A3.22E7



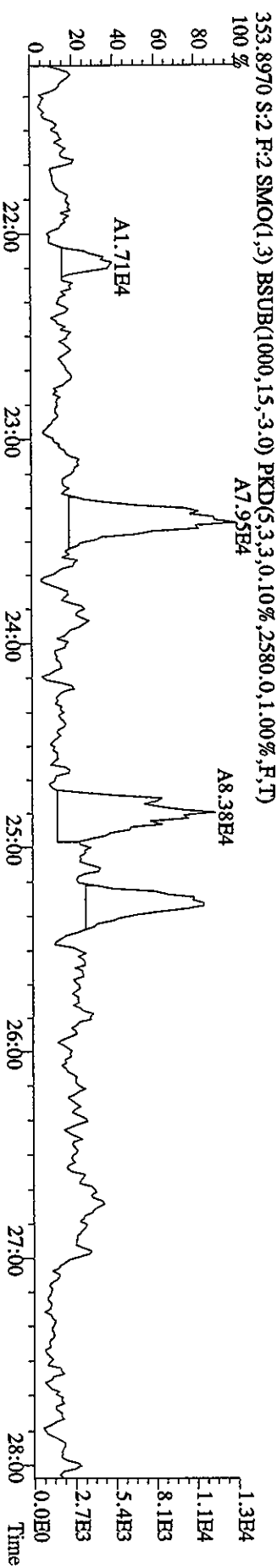
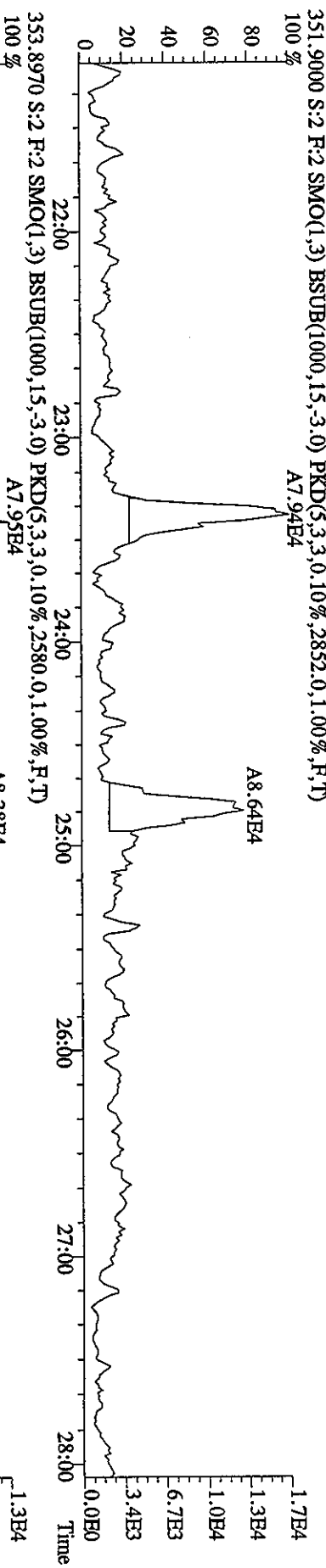
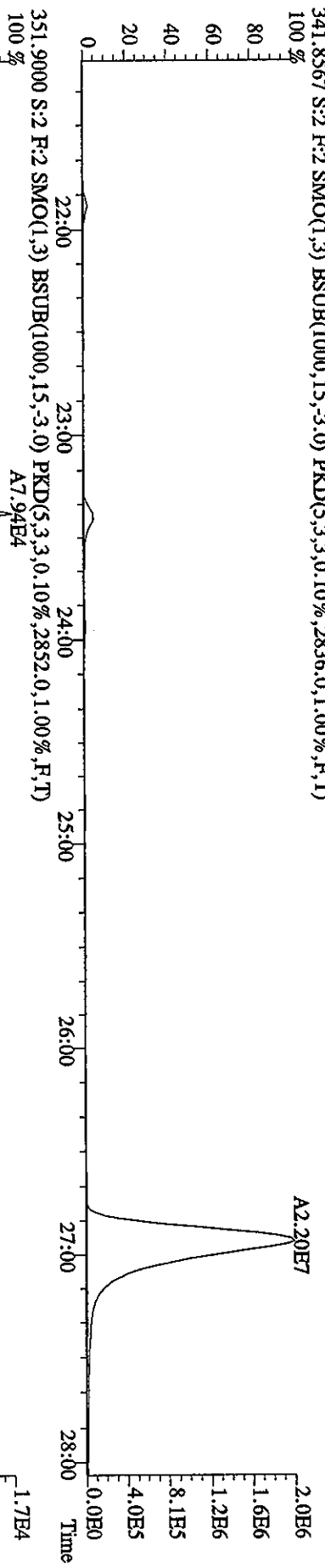
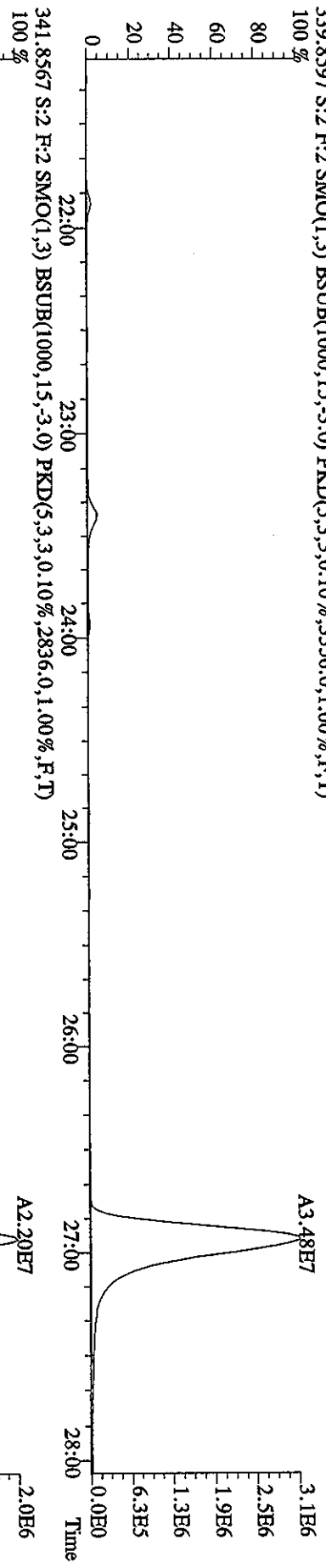
File: 28MR068D5 #1-388 Acq: 28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: CP0328 : DB-5 CPSM 2565-47 Exp: DIOXIN  
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832,0.1,0.0%,F,T)  
 100% A2.48E7



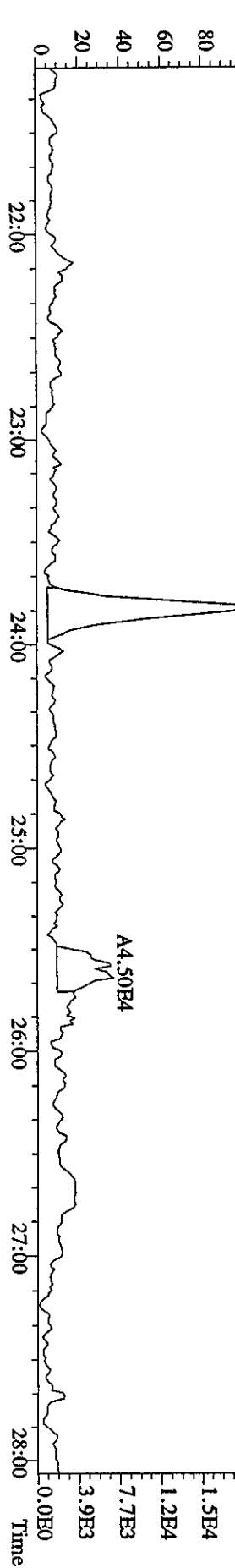
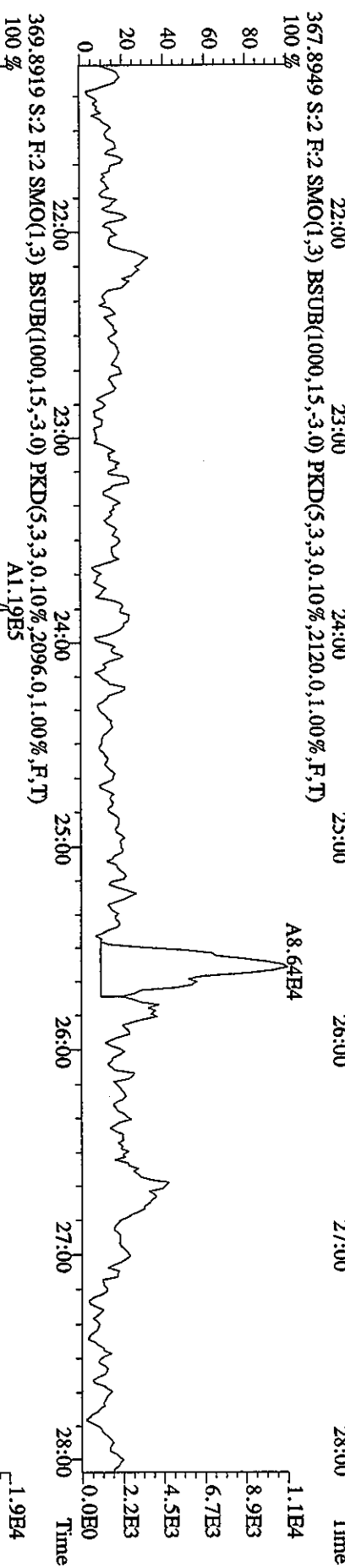
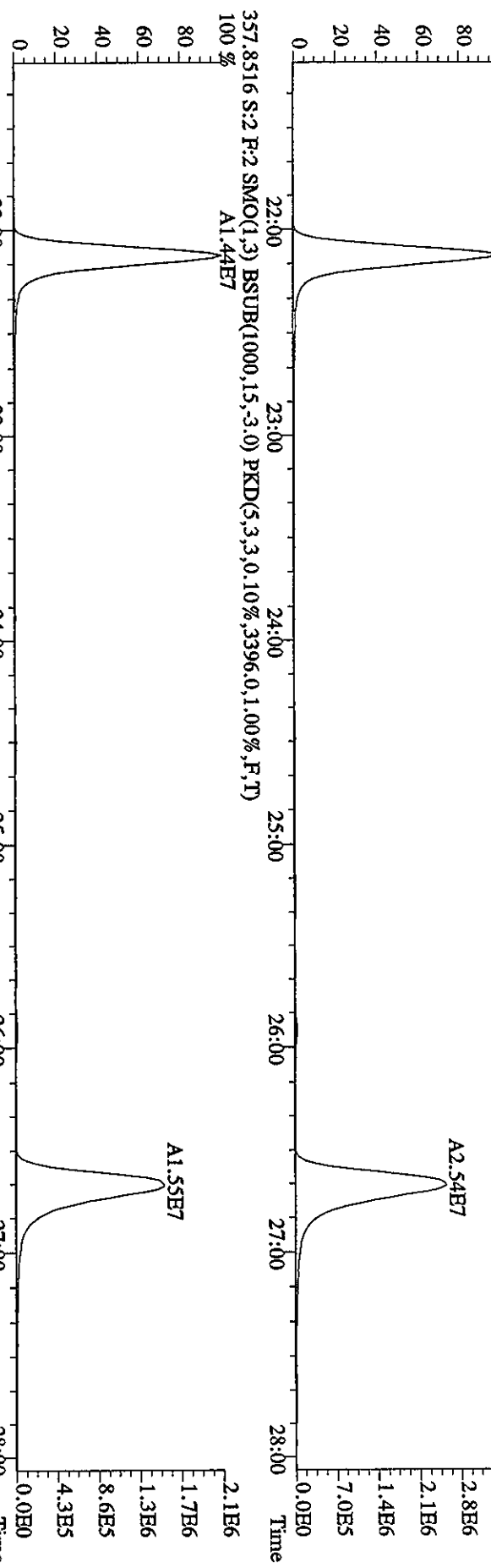
File:28MR068D5 #1-388 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:CP0328 :DB-5 CP5M 2565-47 Exp:DIOXIN  
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2448,0,1,1.00%,F,T)



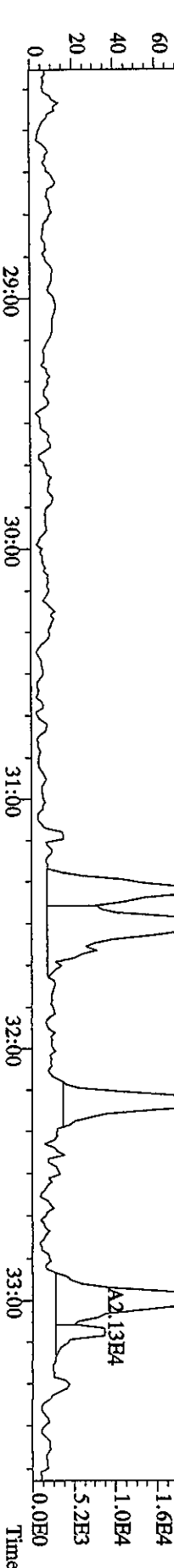
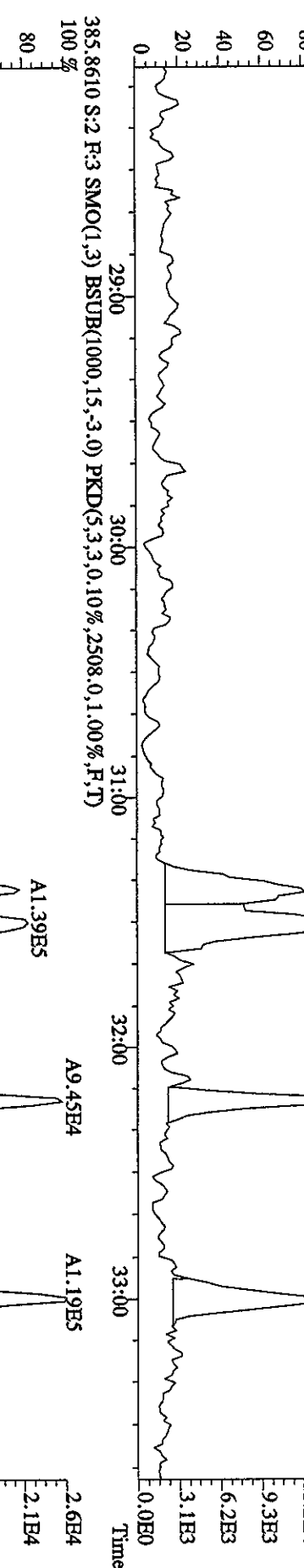
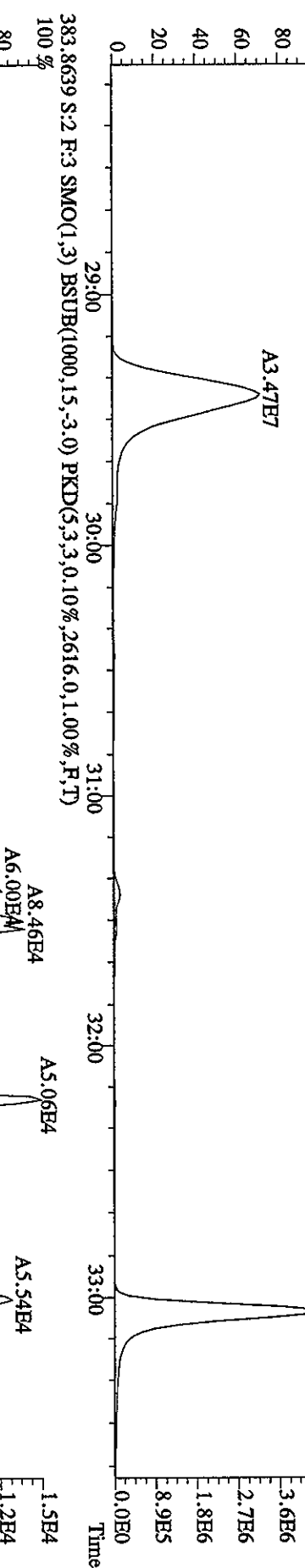
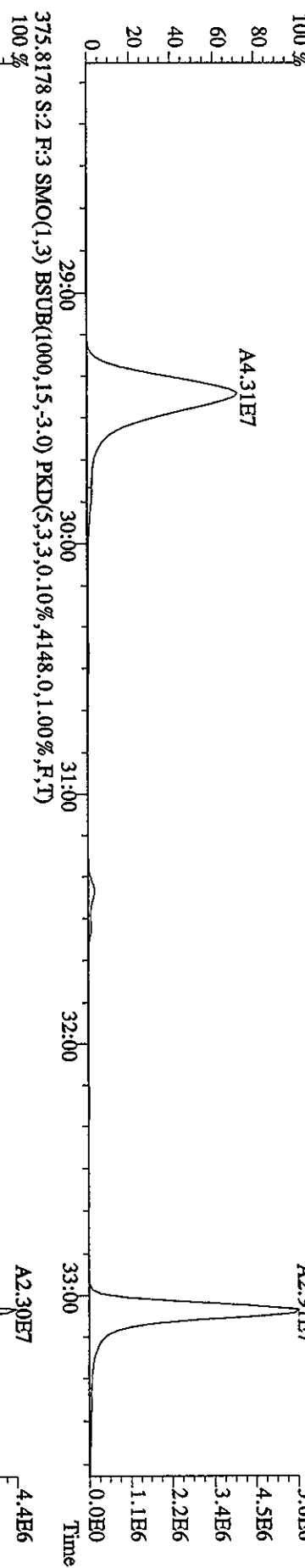
File: 28MR068D5 #1-484 Acq: 28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: CP0328 :DB-5 CPISM 2565-47 Exp: DIOXIN  
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3356,0,1.00%,F,T) 100 %



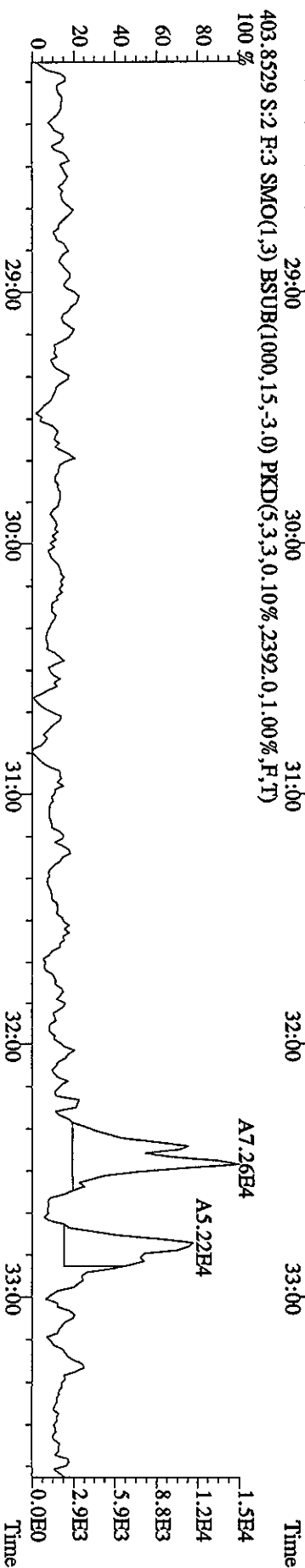
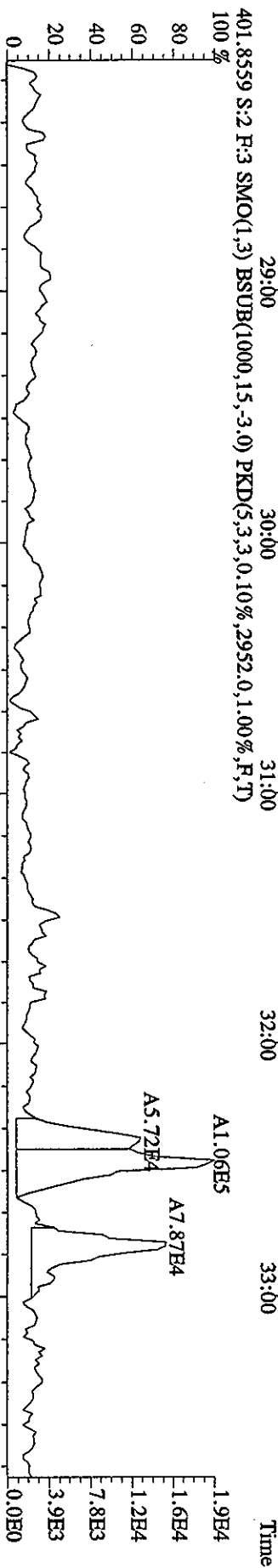
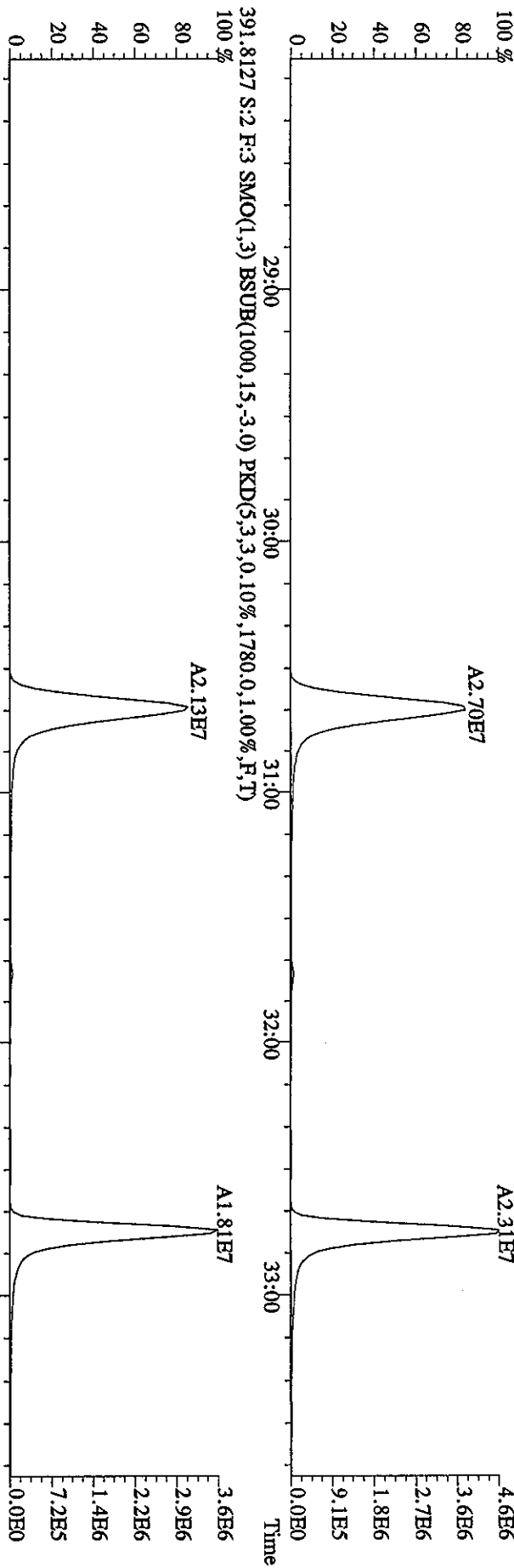
File:28MR068D5 #1-484 Acq:28-MAR-2006 13:53:04 GC BI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN  
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5092.0,1.00%,F,T)  
 100 % A2.32E7



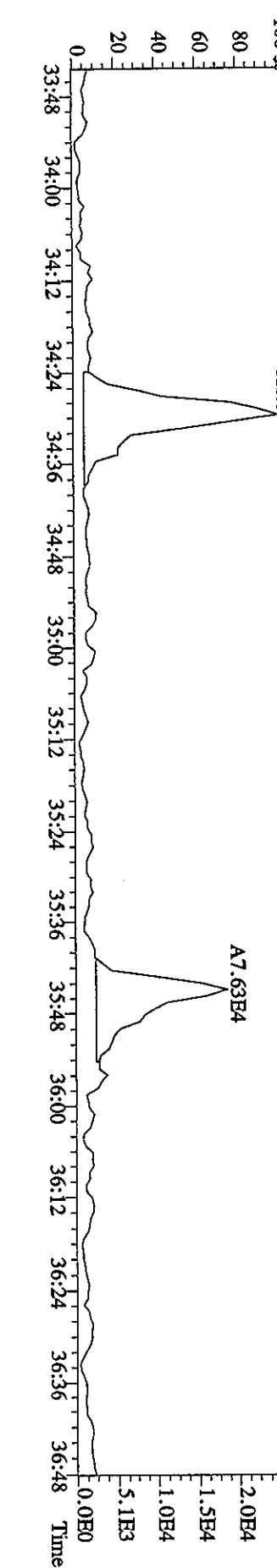
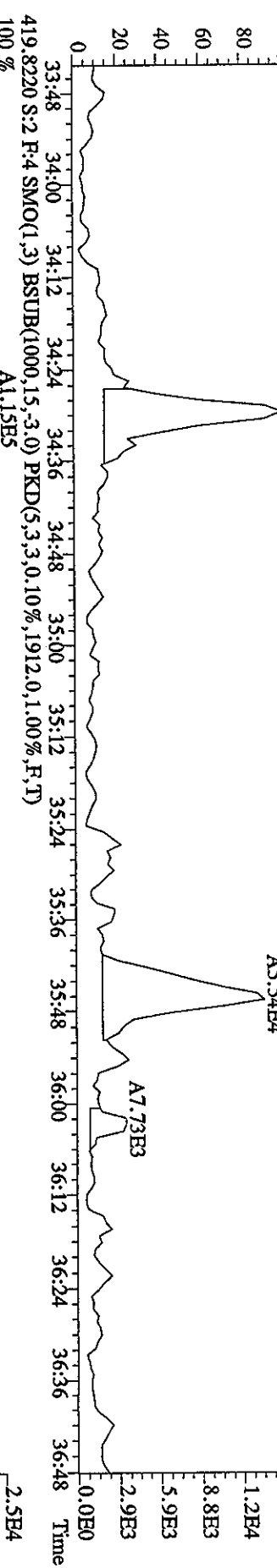
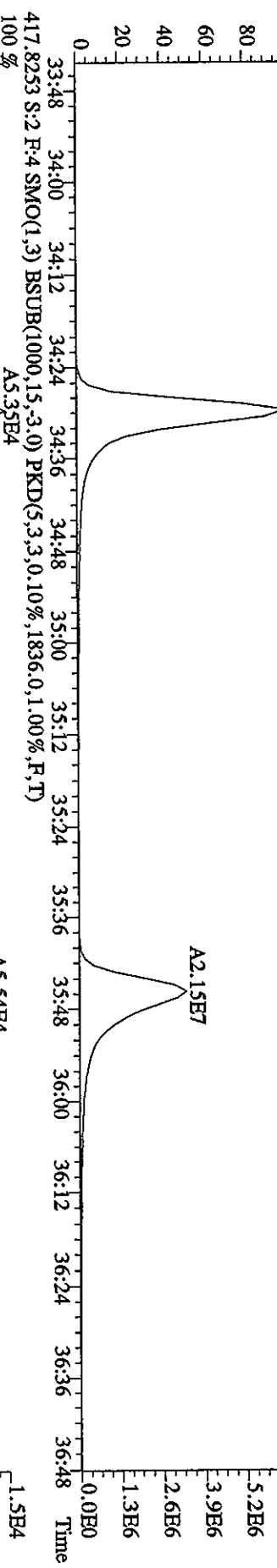
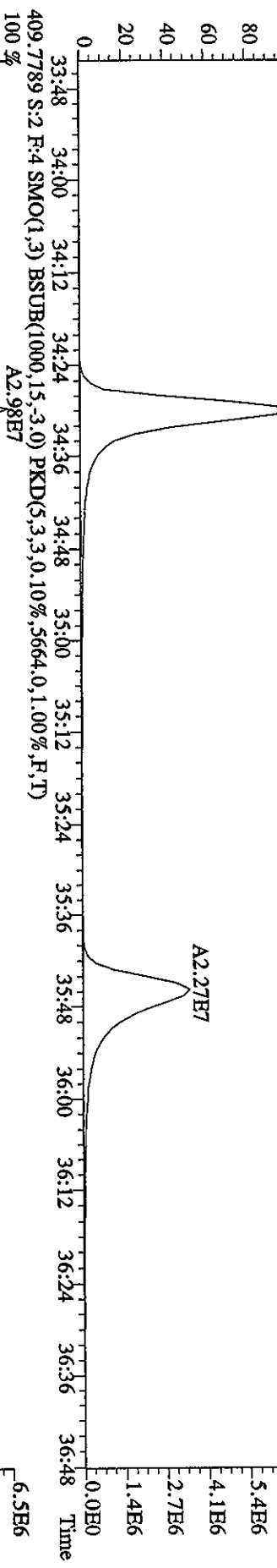
File: 28MR068D5 #1-378 Acq: 28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: CP0328 : DB-5 CPSM 2565-47 Exp: DIOXIN  
 373-8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4772.0,1.00%,F,T)



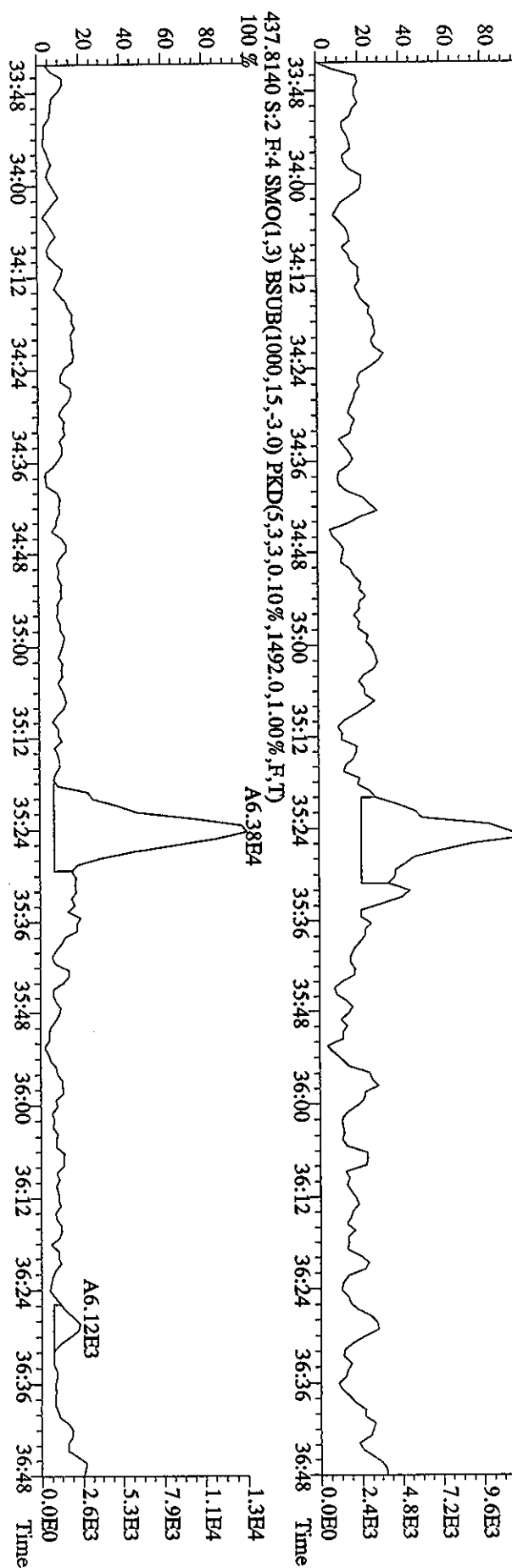
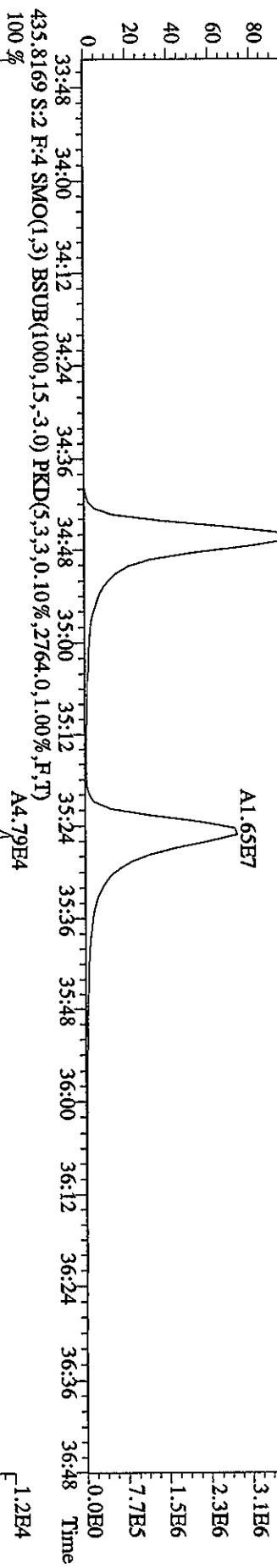
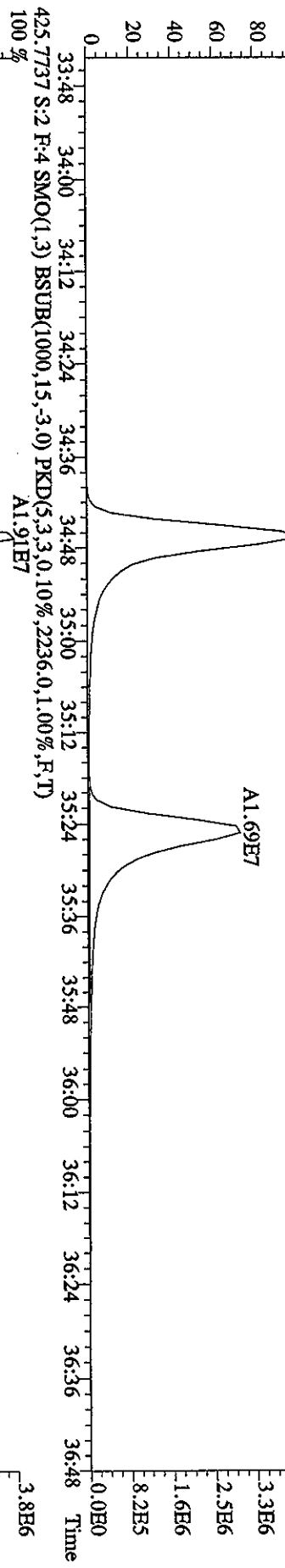
File:28MR068D5 #1-378 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN  
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2136,0,1.00%,F,T)



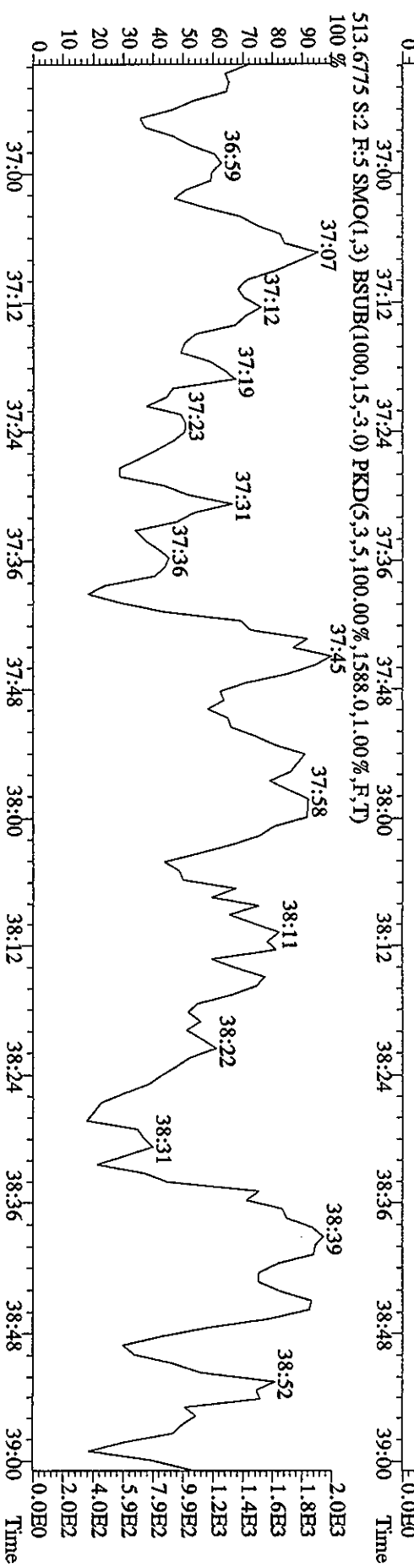
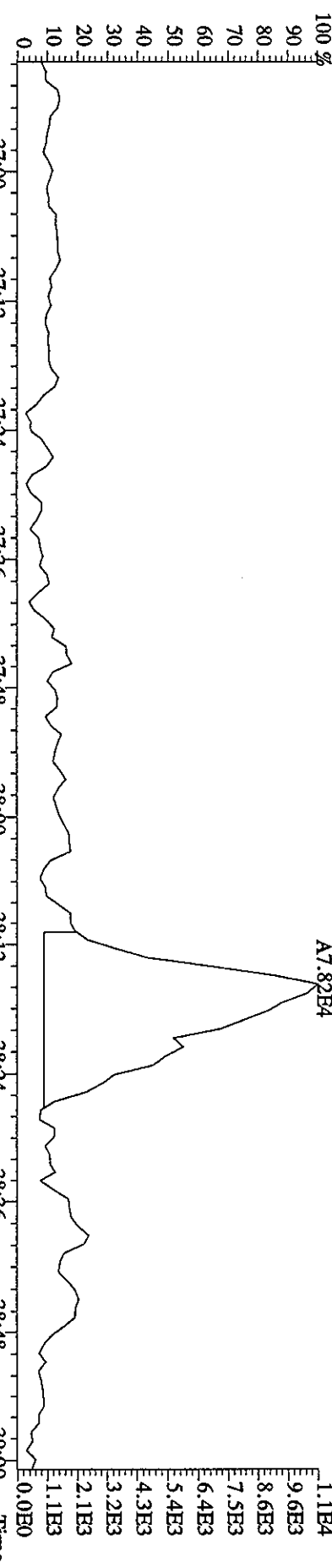
File:28MR068D5 #1-216 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN  
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3688,0,1.00%,F,T)  
 100%



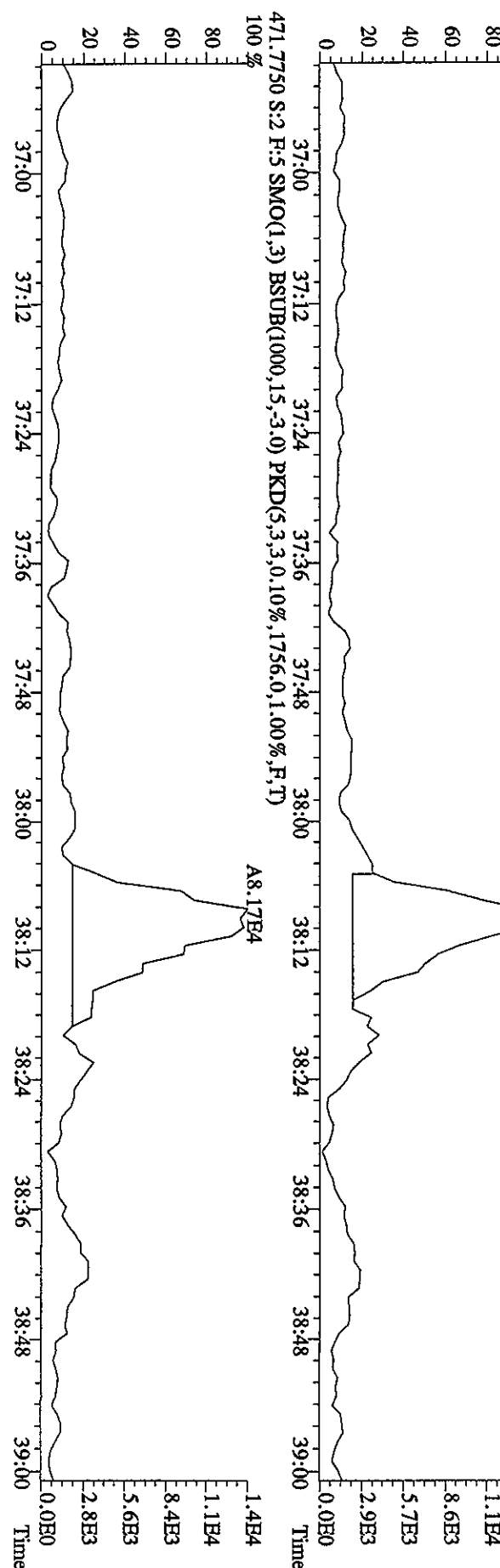
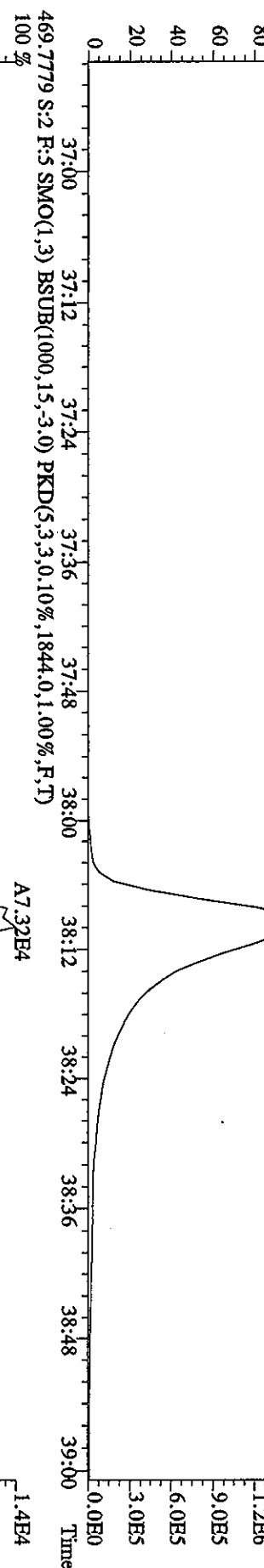
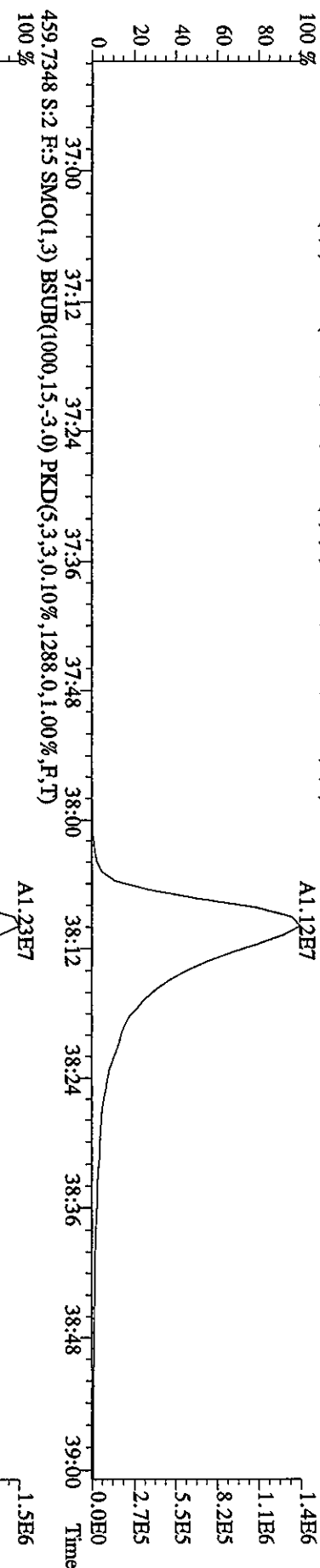
File:28MR068D5 #1-216 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN  
 423.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2852.0,1.00%,F,T)  
 100 % A2.01E7



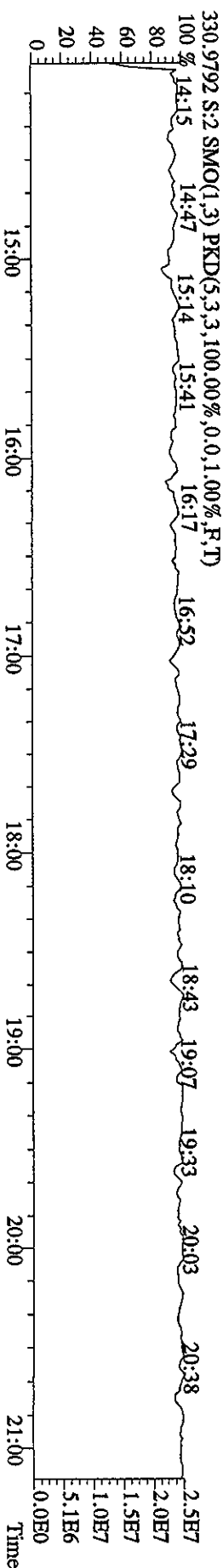
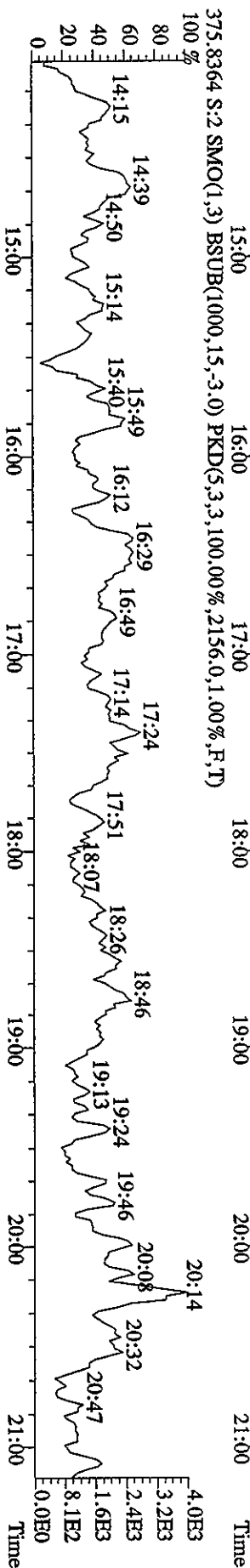
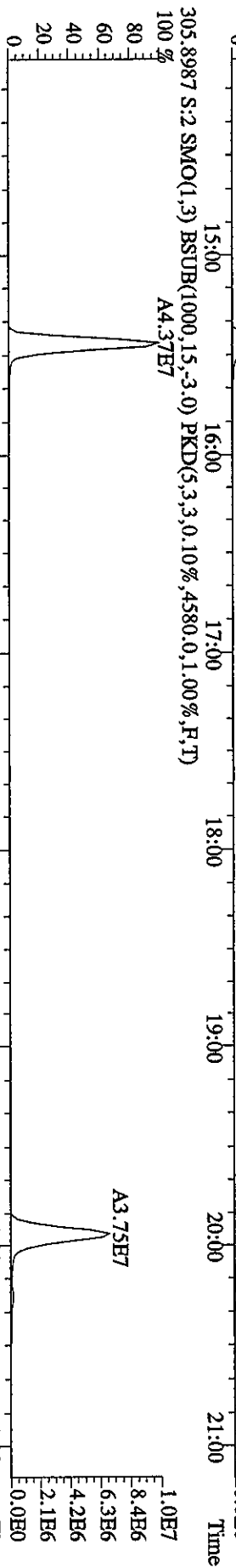
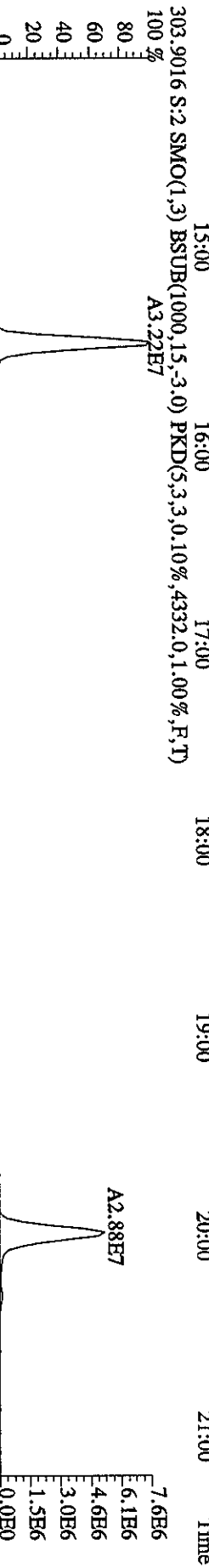
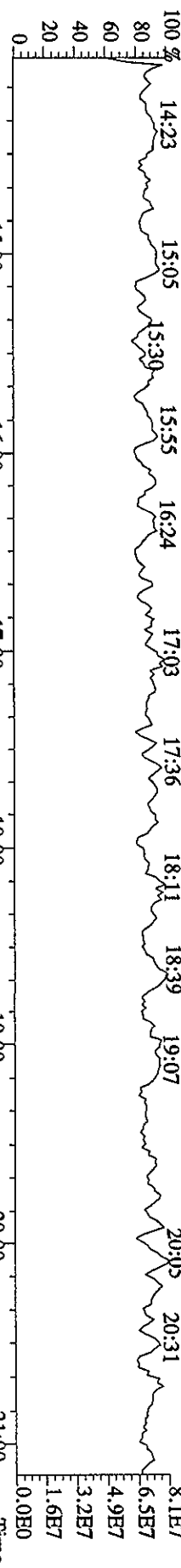
File:28MR068D5 #1-158 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:CP0328 :DB-5 CP5M 2565-47 Exp:DIOXIN  
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1548.0,1.00%,F,T)



File:28MR068D5 #1-158 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN  
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1232.0,1.00%,F,T)

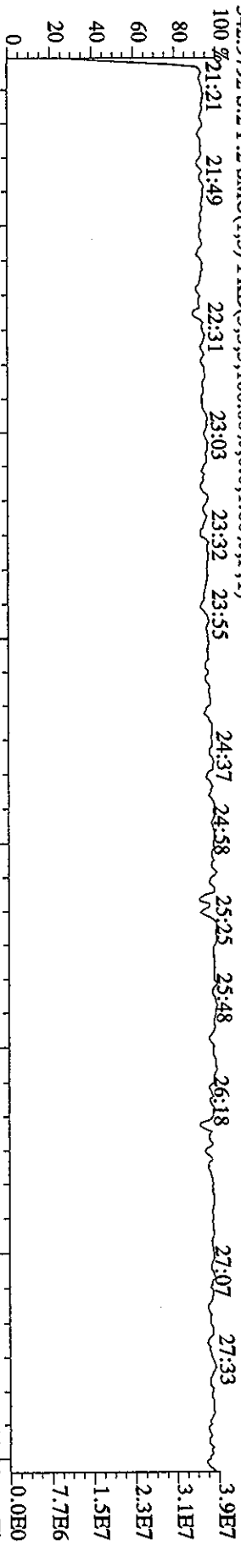


Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN

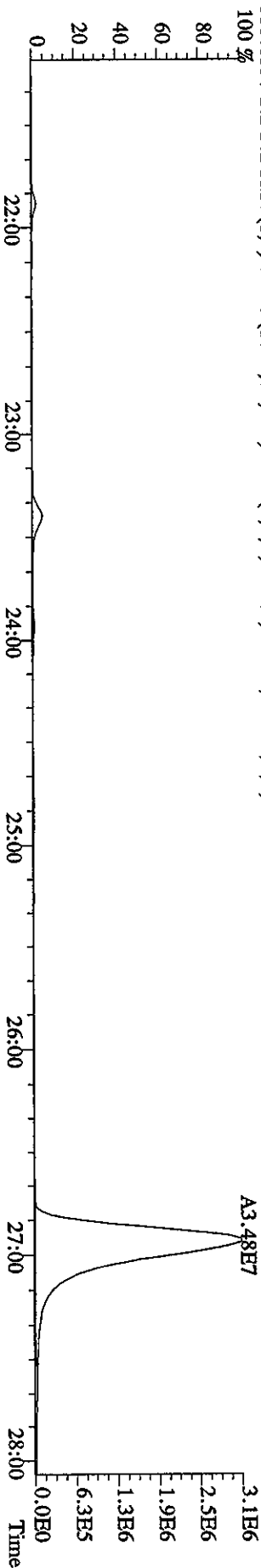


File:28MR068D5 #1-484 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:CP0328 :DB-5 CP5M 2565-47 Exp:DIOXIN

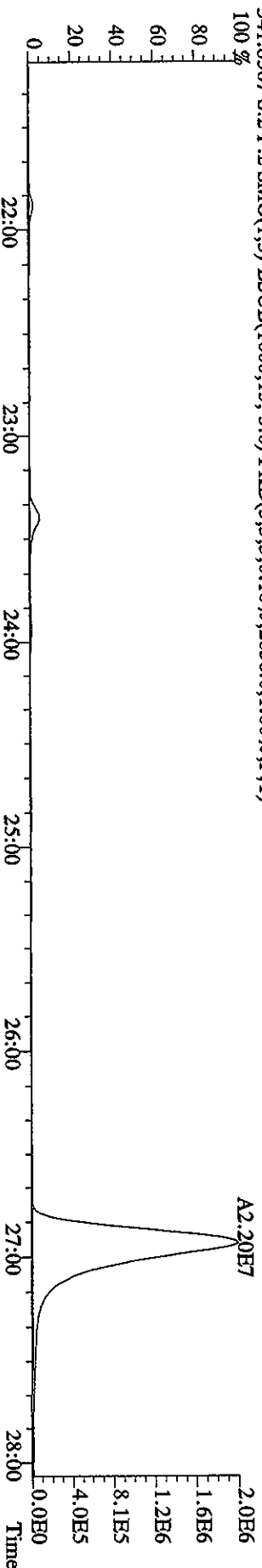
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



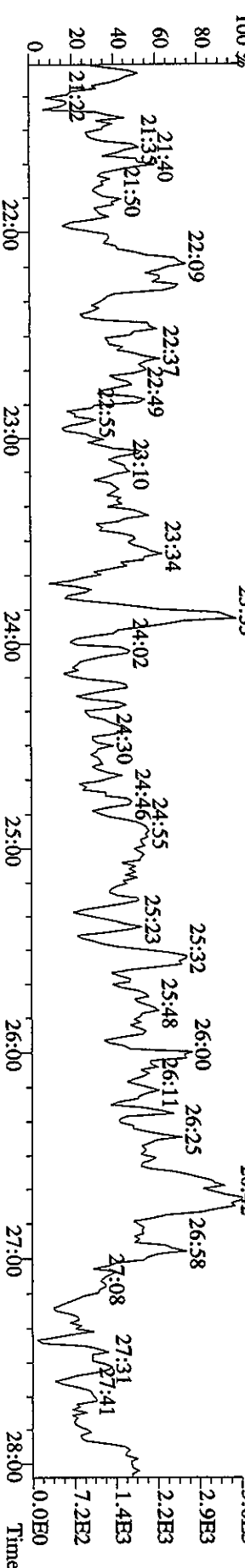
339.8597 S:2 F:2 SMO(1,3) BSTUB(1000,15,-3.0) PKD(5,3,3,0.10%,3356,0,1.00%,F,T)



341.8567 S:2 F:2 SMO(1,3) BSTUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836,0,1.00%,F,T)

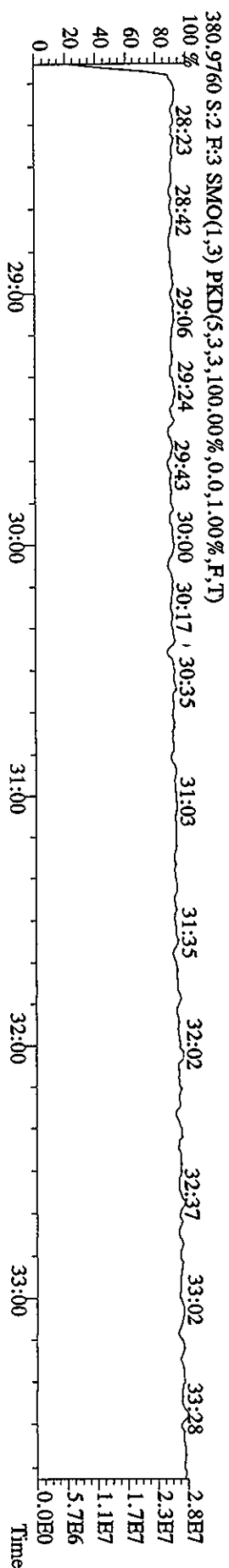
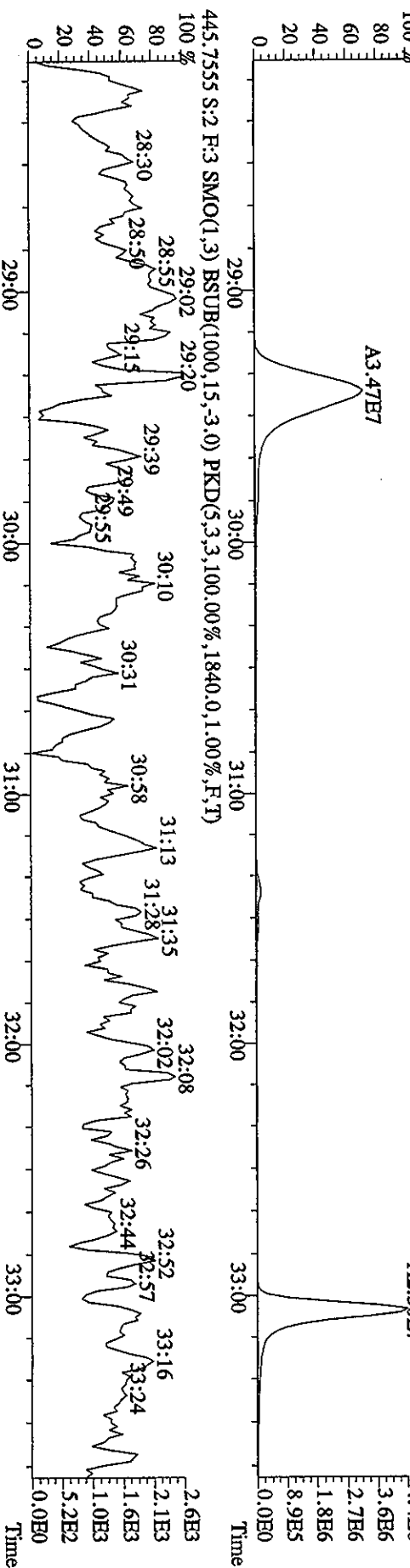
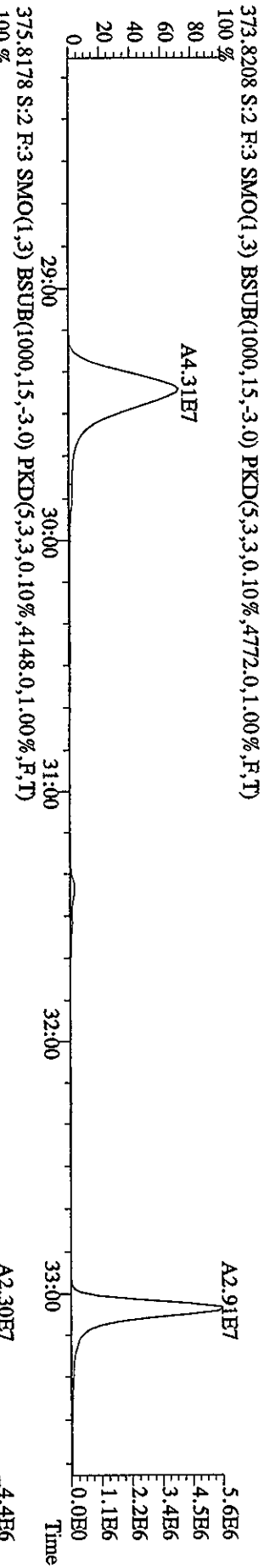
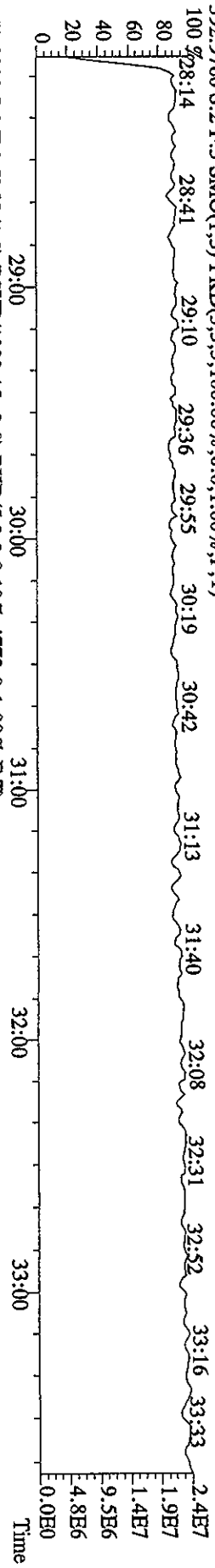


409.7974 S:2 F:2 SMO(1,3) BSTUB(1000,15,-3.0) PKD(5,3,3,100.00%,1888,0,1.00%,F,T)

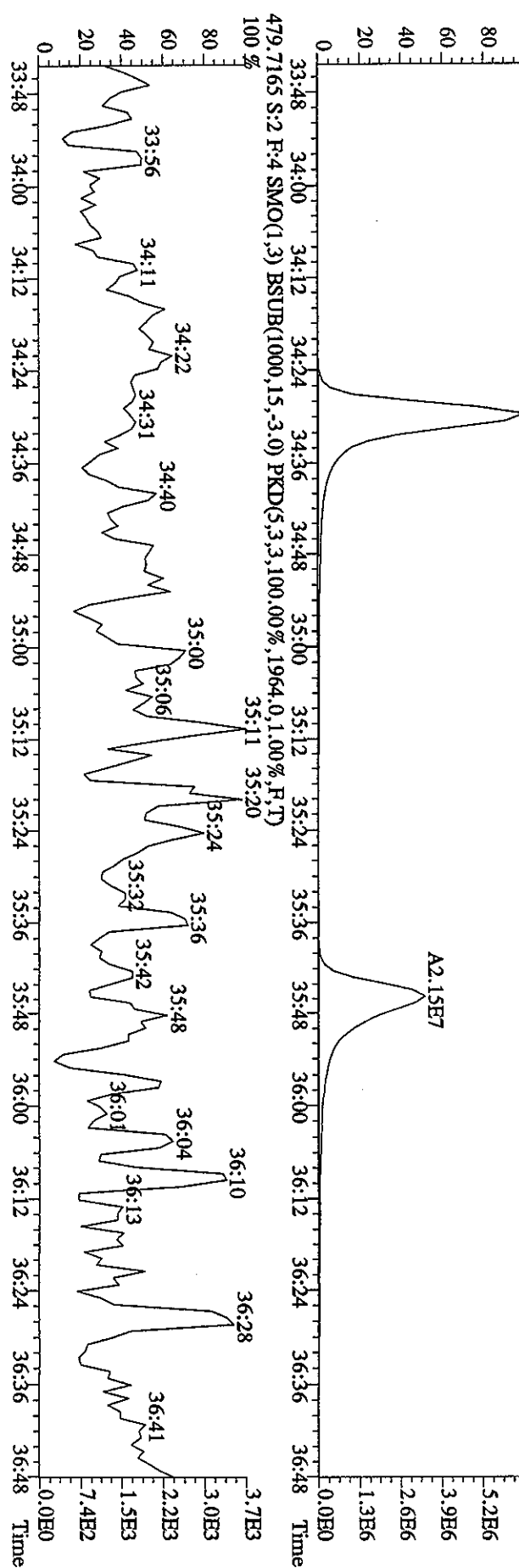
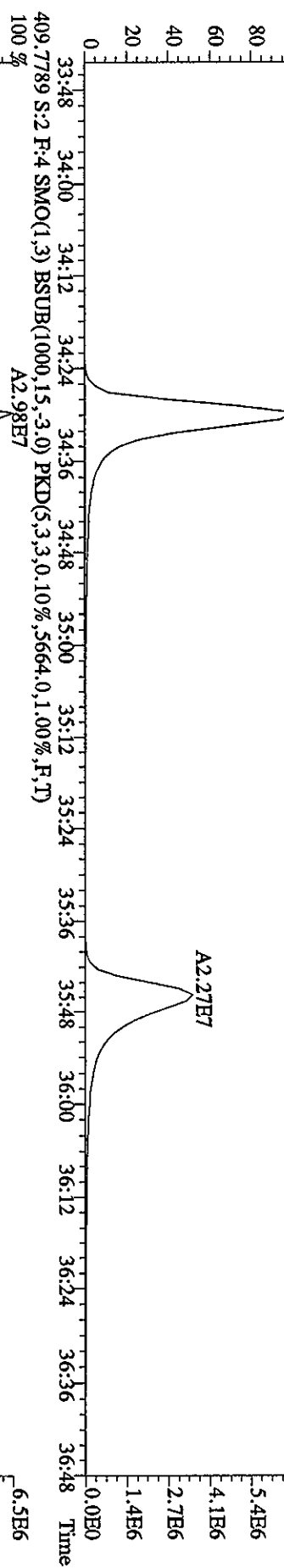
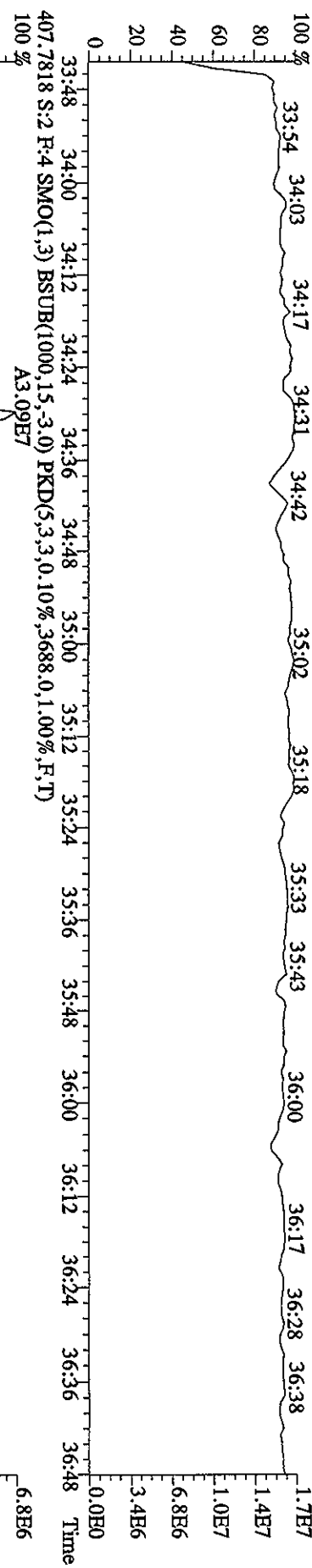


Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN

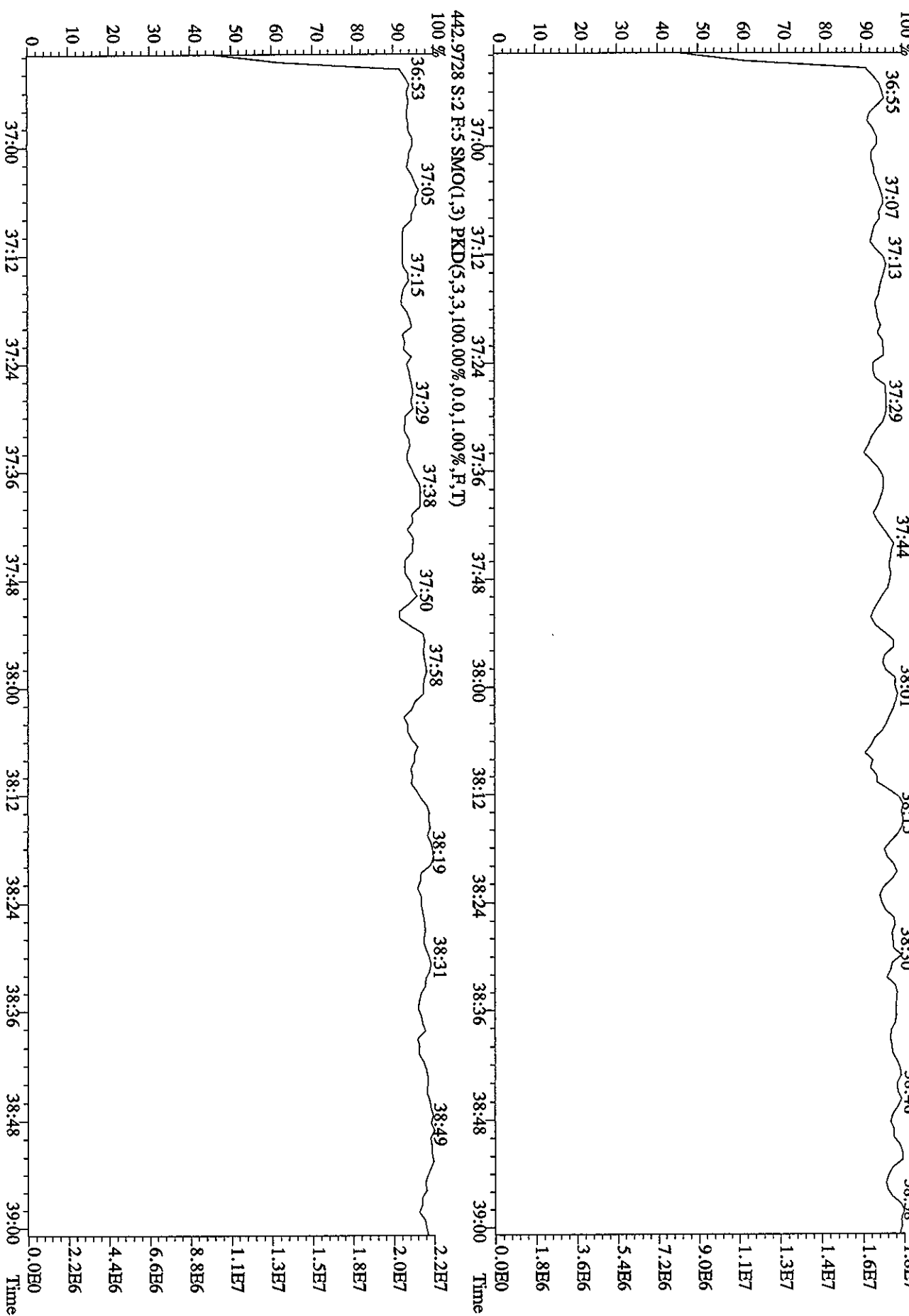
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:28MR068D5 #1-216 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:CP0328 :DB-5 CPSM 2565.47 Exp:DIOXIN  
 430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:28MR068D5 #1-158 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:CP0328 :DB-5 CFSM 2565-47 Exp:DIOXIN  
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: ST0328C                    Sample text: ST0328F :2nd Source 2565-65  
 Run #6    Filename: 28MR068D5    S: 8    I: 1            Results: 28MR068D51613  
 Acquired: 28-MAR-06    18:04:06            Processed: 29-MAR-06 10:40:39  
 Run: 28MR068D5            Analyte: 1613                    Cal: 16130328068D5  
 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	92456400	0.83 y	18:31	-	98.12	-	-	n
13C-2,3,7,8-TCDF	165094300	0.78 y	17:59	1.76	2029.89	1.49	101.5	n
2,3,7,8-TCDF	14494010	0.73 y	18:00	0.93	187.81	0.96	-	n
Total TCDF	14705229	0.82 y	17:36	0.93	190.55	0.96	-	n
13C-2,3,7,8-TCDD	84608100	0.83 y	18:43	0.90	2031.25	2.47	101.6	n
2,3,7,8-TCDD	12941580	0.80 y	18:44	1.48	206.89	1.07	-	n
Total TCDD	12963098	3.11 n	17:58	1.48	207.23	1.07	-	n
37Cl-2,3,7,8-TCDD	364770	1.00 y	18:44	2.52	3.13	0.53	0.4	n
13C-1,2,3,7,8-PeCDF	145441200	1.62 y	23:18	1.54	2042.49	2.28	102.1	n
1,2,3,7,8-PeCDF	46554700	1.59 y	23:20	1.08	592.05	1.35	-	n
13C-2,3,4,7,8-PeCDF	138984500	1.61 y	24:44	1.49	2018.47	2.36	100.9	n
2,3,4,7,8-PeCDF	43175000	1.59 y	24:45	1.13	551.12	1.58	-	n
Total F2 PeCDF	90786153	1.43 y	21:53	1.10	1156.63	1.46	-	n
Total F1 PeCDF	*	* n	NotFnd	1.10	*	1.18	-	n
13C-1,2,3,7,8-PeCDD	64728300	1.64 y	25:31	0.77	1810.73	2.19	90.5	n
1,2,3,7,8-PeCDD	22815680	1.68 y	25:31	1.22	577.20	3.04	-	n
Total PeCDD	22815680	1.68 y	25:31	1.22	577.20	3.04	-	n
13C-1,2,3,7,8,9-HxCDD	81343800	1.32 y	32:45	-	99.03	-	-	n
13C-1,2,3,4,7,8-HxCDF	116385900	0.53 y	31:19	1.54	1854.73	1.01	92.7	n
1,2,3,4,7,8-HxCDF	39549100	1.24 y	31:20	1.15	592.06	0.99	-	n
13C-1,2,3,6,7,8-HxCDF	139891300	0.53 y	31:28	1.69	2039.53	0.93	102.0	n
1,2,3,6,7,8-HxCDF	47992700	1.27 y	31:29	1.24	551.68	0.81	-	n
13C-2,3,4,6,7,8-HxCDF	123600000	0.53 y	32:09	1.48	2052.07	1.06	102.6	n
2,3,4,6,7,8-HxCDF	39872000	1.28 y	32:11	1.19	541.23	0.87	-	n
13C-1,2,3,7,8,9-HxCDF	105550200	0.55 y	32:57	1.27	2041.74	1.23	102.1	n
1,2,3,7,8,9-HxCDF	35766400	1.28 y	32:58	1.23	552.09	1.09	-	n
Total HxCDF	163180200	1.24 y	31:20	1.20	2237.05	0.93	-	n
13C-1,2,3,4,7,8-HxCDD	66832900	1.37 y	32:20	0.79	2078.61	2.12	103.9	n
1,2,3,4,7,8-HxCDD	24328400	1.27 y	32:21	1.28	568.35	1.13	-	n
13C-1,2,3,6,7,8-HxCDD	83112900	1.32 y	32:26	1.10	1859.11	1.53	93.0	n
1,2,3,6,7,8-HxCDD	29553300	1.30 y	32:26	1.20	593.19	1.13	-	n
1,2,3,7,8,9-HxCDD	28815500	1.26 y	32:46	1.32	582.99	1.06	-	n
Total HxCDD	82697200	1.27 y	32:21	1.26	1744.53	1.11	-	n
13C-1,2,3,4,6,7,8-HpCDF	103095600	0.46 y	34:28	1.25	2032.33	7.54	101.6	n
1,2,3,4,6,7,8-HpCDF	38102100	1.04 y	34:29	1.38	534.31	2.49	-	n
13C-1,2,3,4,7,8,9-HpCDF	73201500	0.46 y	35:44	0.92	1966.72	10.27	98.3	n
1,2,3,4,7,8,9-HpCDF	28014200	1.05 y	35:45	1.44	531.78	4.26	-	n
Total HpCDF	66116300	1.04 y	34:29	1.41	1066.09	3.24	-	n

13C-1,2,3,4,6,7,8-HpCDD	76435600	1.08	y	35:22	0.94	2008.12	3.97	100.4	n
1,2,3,4,6,7,8-HpCDD	22677200	1.07	y	35:23	1.07	557.10	1.58	-	n
Total HpCDD	22817454	2.57	n	34:28	1.07	560.54	1.58	-	n
13C-OCDD	88647200	0.93	y	38:06	0.59	3675.72	1.34	91.9	n
OCDF	37359000	0.93	y	38:14	1.54	1094.60	1.11	-	n
OCDD	28176500	0.91	y	38:07	1.14	1115.27	4.12	-	n

Quantitation Summary

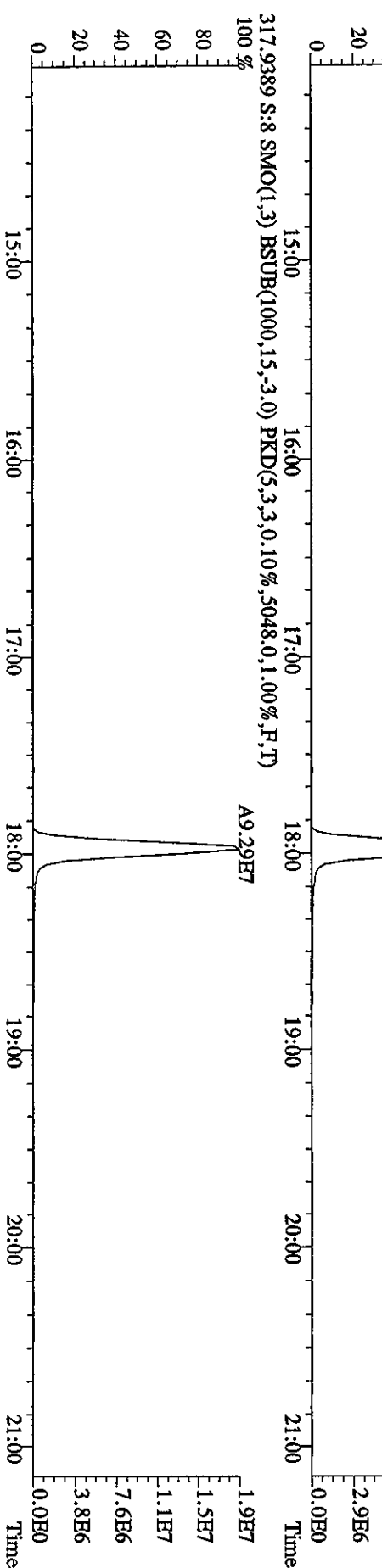
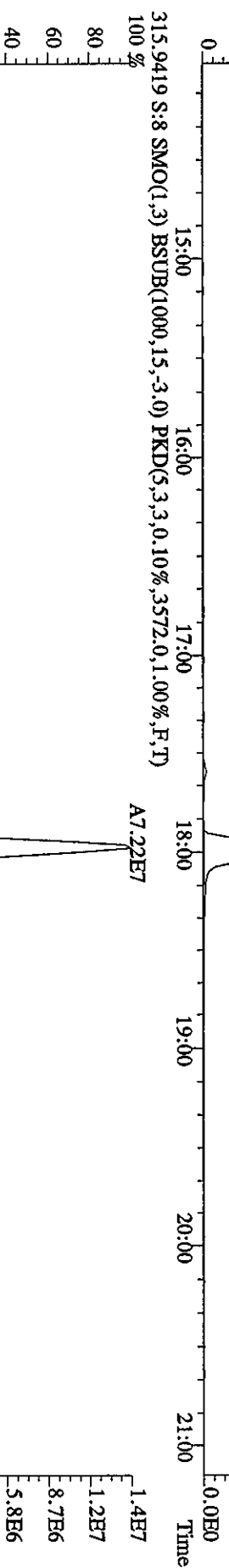
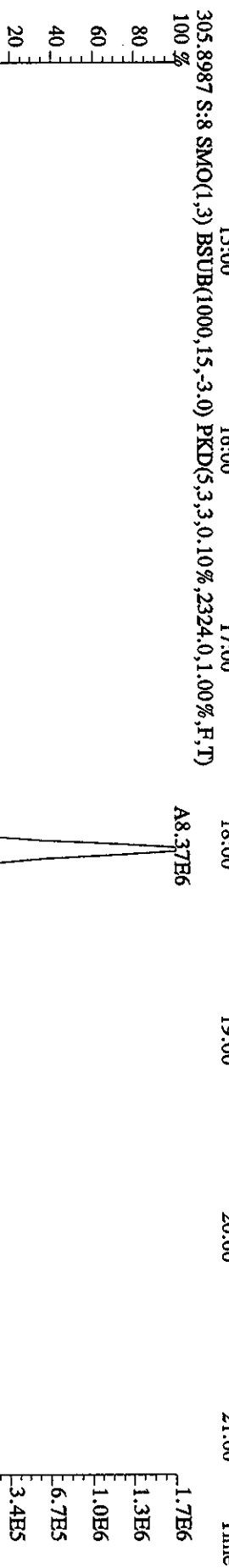
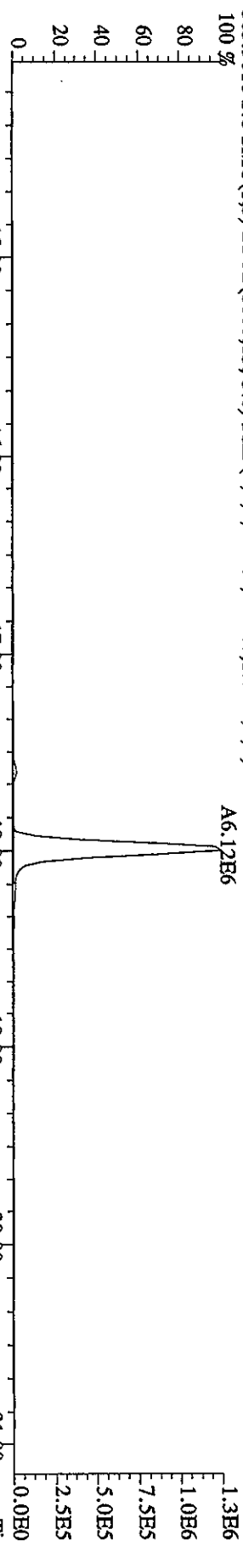
STL

Run text: ST0328C                    Sample text: ST0328F :2nd Source 2565-65  
 Run #6    Filename: 28MR068D5    S: 8    I: 1    Results: 28MR068D58290  
 Acquired: 28-MAR-06    18:04:06                    Processed: 29-MAR-06    10:42:05  
 Run: 28MR068D5                    Analyte: 8290    Cal: 82900328068D5  
 Factor 1: 1600.000                    Factor 2: 20.000    Sample size: 1.000000

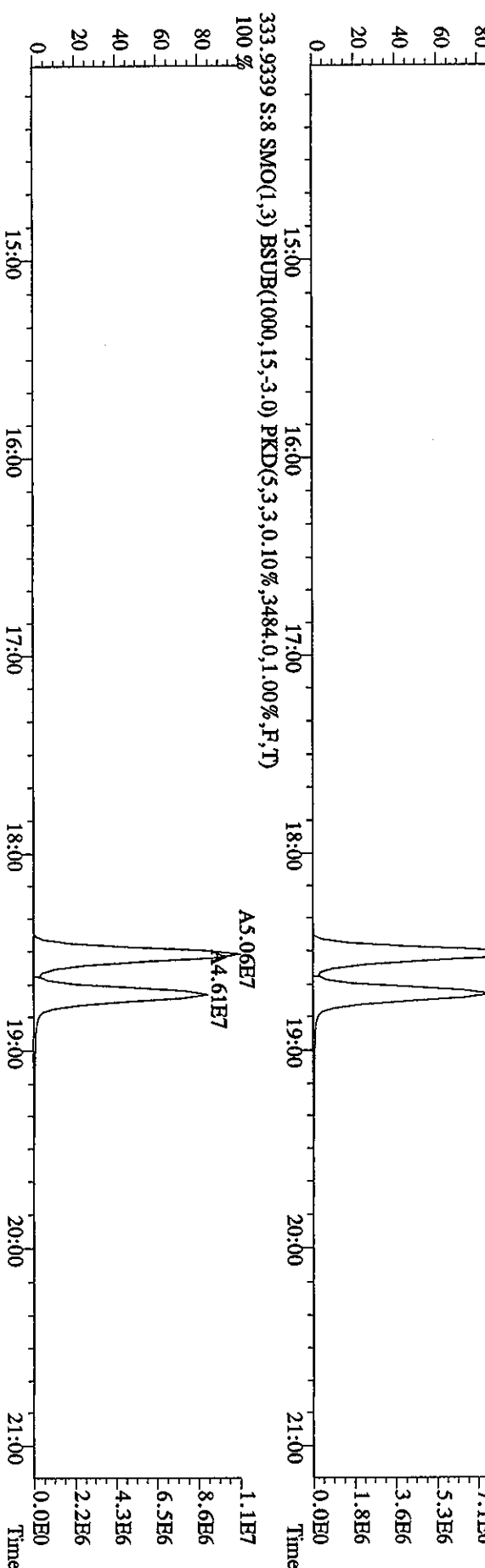
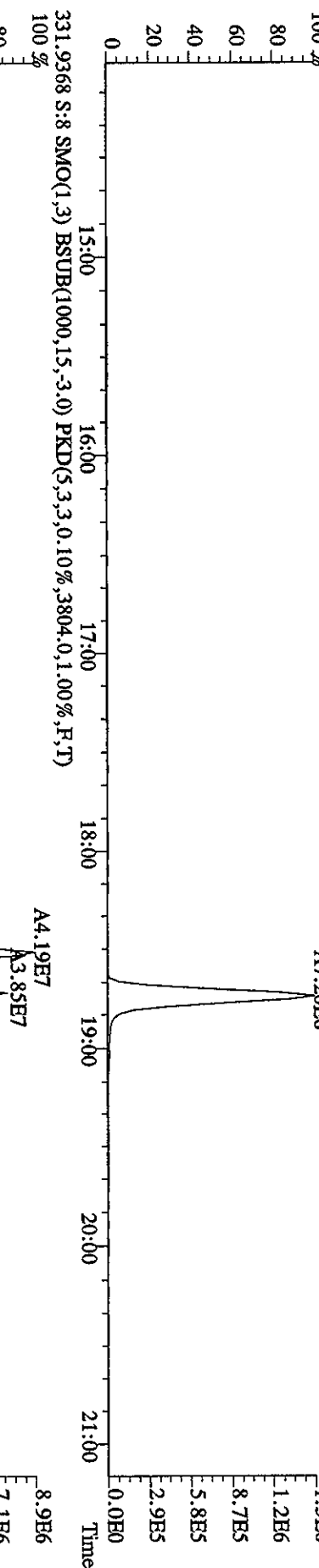
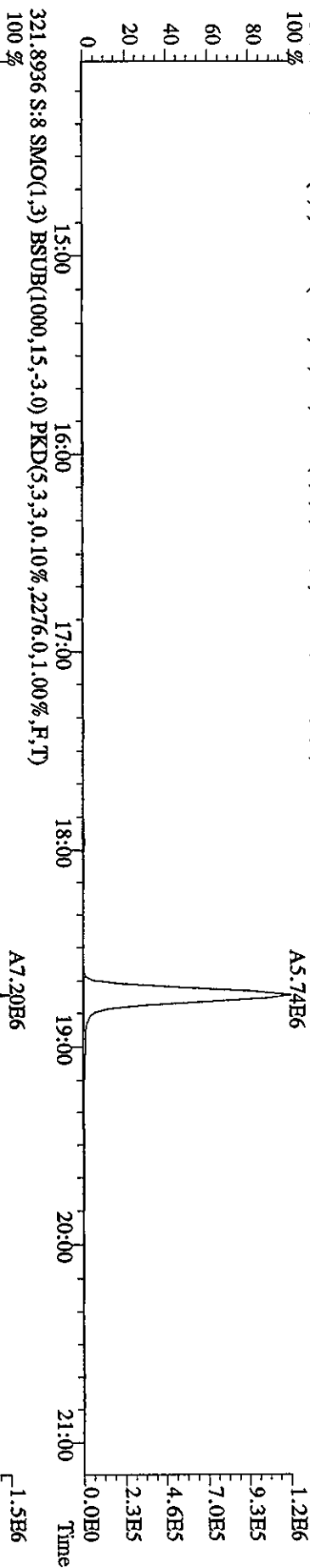
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	92456400	0.83 y	18:31	-	98.12	-	-	n
13C-2,3,7,8-TCDF	165094300	0.78 y	17:59	1.76	2029.89	1.49	101.5	n
2,3,7,8-TCDF	14494010	0.73 y	18:00	0.93	187.81	0.96	-	n
Total TCDF	14705229	0.82 y	17:36	0.93	190.55	0.96	-	n
13C-2,3,7,8-TCDD	84608100	0.83 y	18:43	0.90	2031.25	2.47	101.6	n
2,3,7,8-TCDD	12941580	0.80 y	18:44	1.48	206.89	1.07	-	n
Total TCDD	12963098	3.11 n	17:58	1.48	207.23	1.07	-	n
37Cl-2,3,7,8-TCDD	364770	1.00 y	18:44	2.52	3.13	0.53	0.4	n
13C-1,2,3,7,8-PeCDF	145441200	1.62 y	23:18	1.54	2042.49	2.28	102.1	n
1,2,3,7,8-PeCDF	46554700	1.59 y	23:20	1.08	592.05	1.35	-	n
2,3,4,7,8-PeCDF	43175000	1.59 y	24:45	1.09	545.06	1.34	-	n
Total F2 PeCDF	90786153	1.43 y	21:53	1.09	1150.50	1.34	-	n
Total F1 PeCDF	*	* n	Not Fnd	1.09	*	1.09	-	n
13C-1,2,3,7,8-PeCDD	64728300	1.64 y	25:31	0.77	1810.73	2.19	90.5	n
1,2,3,7,8-PeCDD	22815680	1.68 y	25:31	1.22	577.20	3.04	-	n
Total PeCDD	22815680	1.68 y	25:31	1.22	577.20	3.04	-	n
13C-1,2,3,7,8,9-HxCDD	81343800	1.32 y	32:45	-	99.03	-	-	n
13C-1,2,3,4,7,8-HxCDF	116385900	0.53 y	31:19	1.54	1854.73	1.01	92.7	n
1,2,3,4,7,8-HxCDF	39549100	1.24 y	31:20	1.15	592.06	0.99	-	n
1,2,3,6,7,8-HxCDF	47992700	1.27 y	31:29	1.36	604.93	0.84	-	n
2,3,4,6,7,8-HxCDF	39872000	1.28 y	32:11	1.15	597.58	0.99	-	n
1,2,3,7,8,9-HxCDF	35766400	1.28 y	32:58	1.01	607.04	1.13	-	n
Total HxCDF	163180200	1.24 y	31:20	1.17	2401.60	0.98	-	n
13C-1,2,3,6,7,8-HxCDD	83112900	1.32 y	32:26	1.10	1859.11	1.53	93.0	n
1,2,3,4,7,8-HxCDD	24328400	1.27 y	32:21	0.92	633.56	1.47	-	n
1,2,3,6,7,8-HxCDD	29553300	1.30 y	32:26	1.20	593.19	1.13	-	n
1,2,3,7,8,9-HxCDD	28815500	1.26 y	32:46	1.14	610.45	1.19	-	n
Total HxCDD	82697200	1.27 y	32:21	1.09	1837.19	1.25	-	n
13C-1,2,3,4,6,7,8-HpCDF	103095600	0.46 y	34:28	1.25	2032.33	7.54	101.6	n
1,2,3,4,6,7,8-HpCDF	38102100	1.04 y	34:29	1.38	534.31	2.49	-	n
1,2,3,4,7,8,9-HpCDF	28014200	1.05 y	35:45	1.05	515.39	3.26	-	n
Total HpCDF	66116300	1.04 y	34:29	1.22	1049.70	2.82	-	n
13C-1,2,3,4,6,7,8-HpCDD	76435600	1.08 y	35:22	0.94	2008.12	3.97	100.4	n
1,2,3,4,6,7,8-HpCDD	22677200	1.07 y	35:23	1.07	557.10	1.58	-	n
Total HpCDD	22817454	2.57 n	34:28	1.07	560.54	1.58	-	n
13C-OCDD	88647200	0.93 y	38:06	0.59	3675.72	1.34	91.9	n

OCDF	37359000	0.93	y	38:14	1.54	1094.60	1.11	-	n
OCDD	28176500	0.91	y	38:07	1.14	1115.27	4.12	-	n

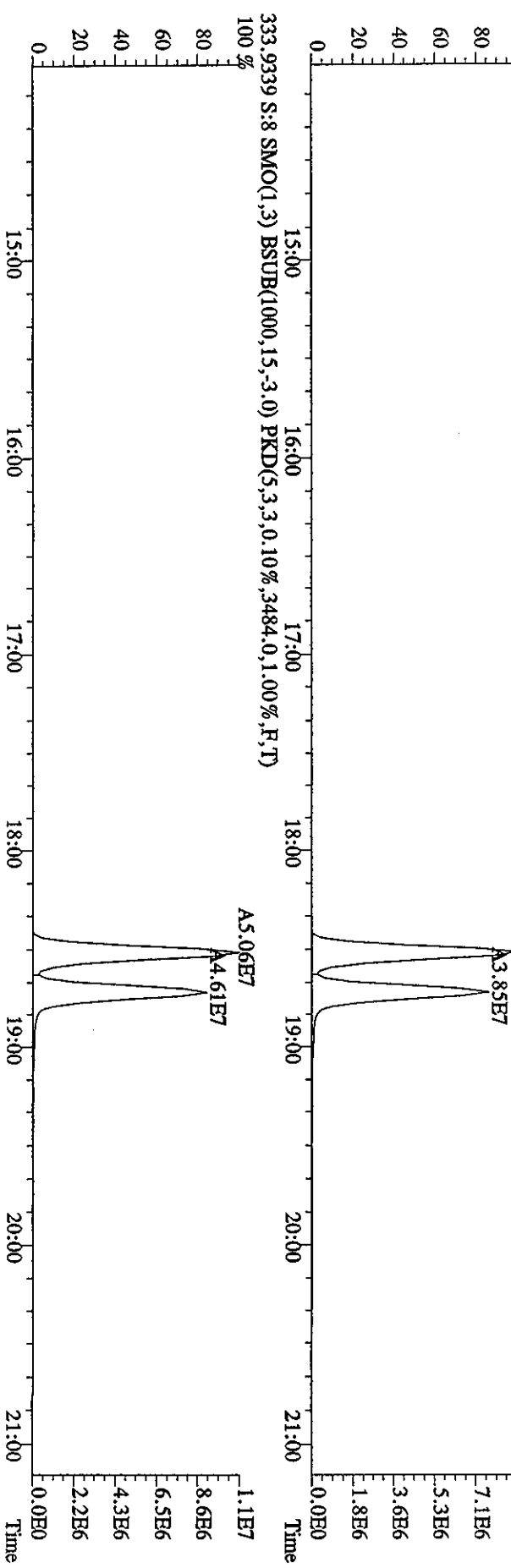
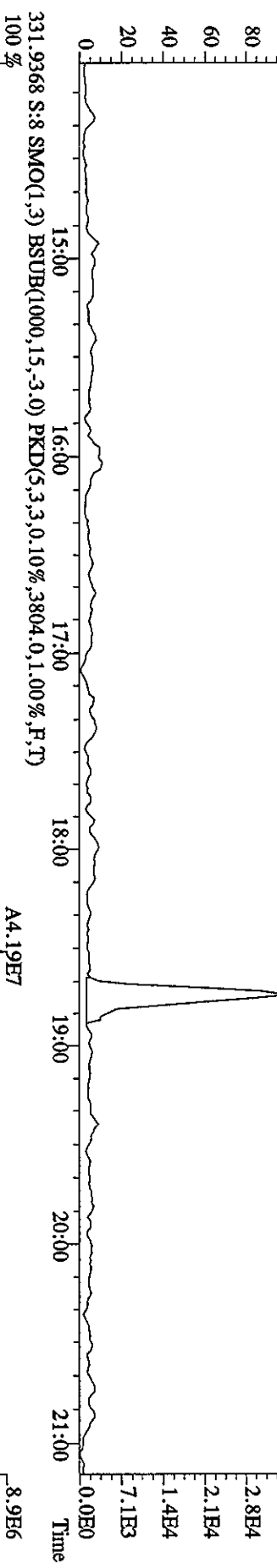
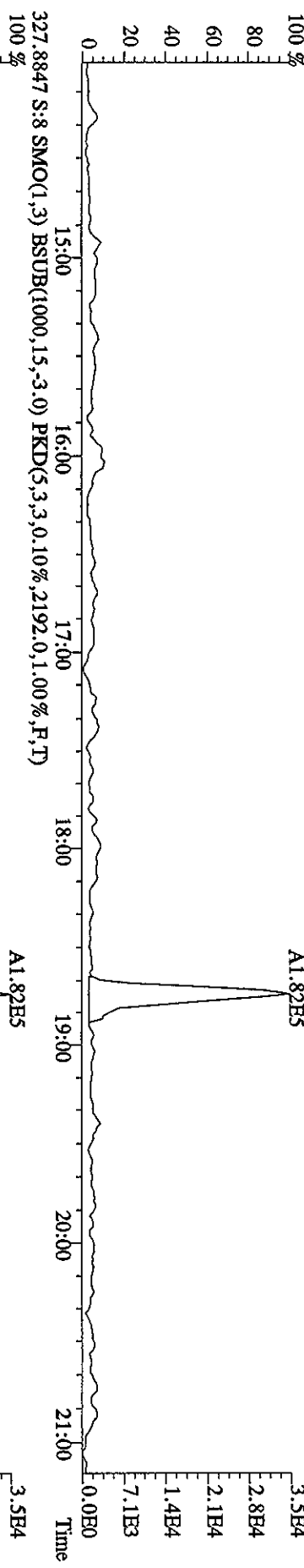
File:28MR068D5 #1-388 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2680,0,1.00%,F,T)



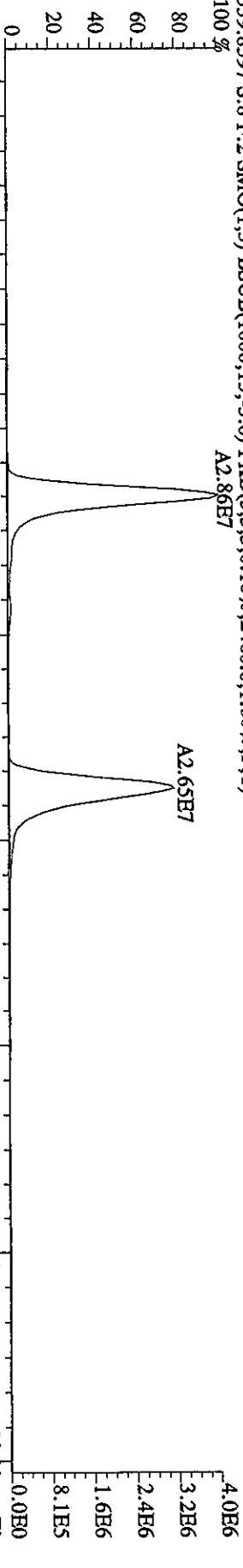
File:28MR068D5 #1-388 Acq:28-MAR-2006 18:04:06 GC EI + Voltage SIR Autospec-Ultimate  
Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2148.0,1.00%,F,T)



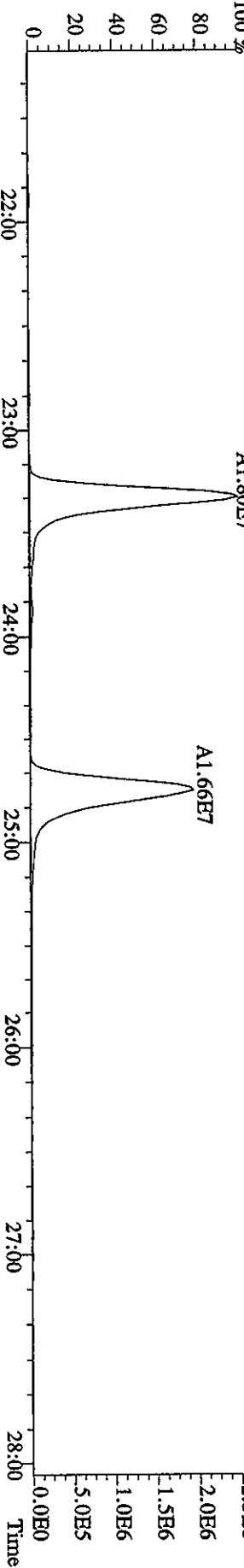
File:28MR068D5 #1-388 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2192,0,1,00%,F,T)



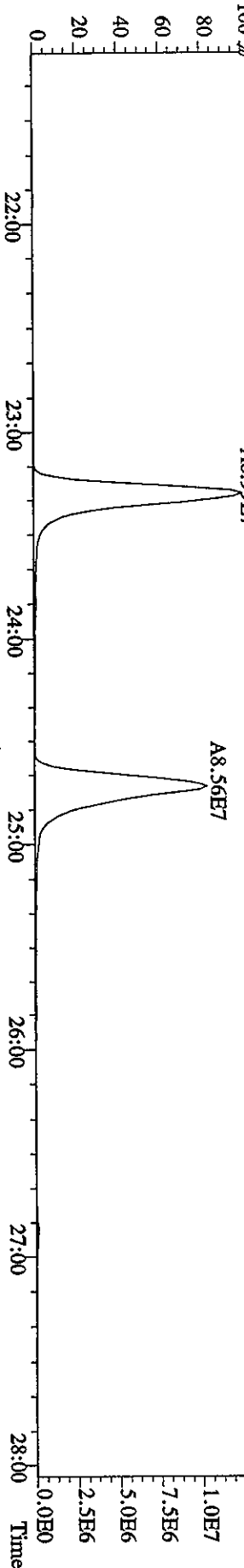
File:28MR068D5 #1-484 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp.:DIOXIN  
 339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2460.0,1.00%,F,T)  
 100 % A2.86E7



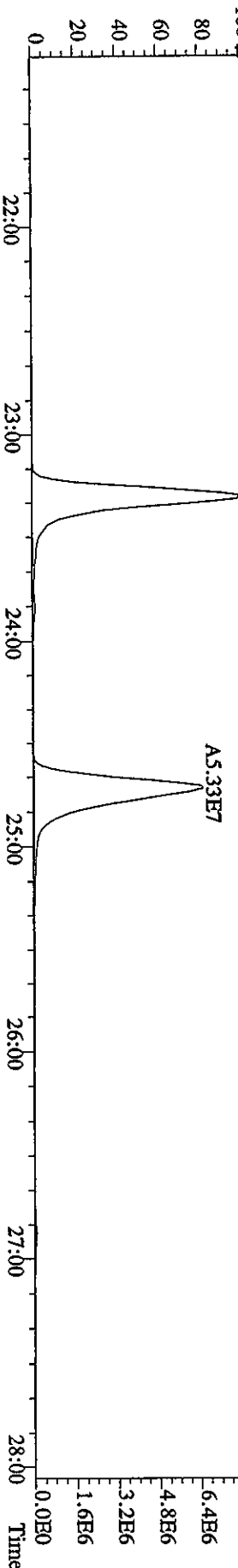
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2540.0,1.00%,F,T)  
 100 % A1.80E7



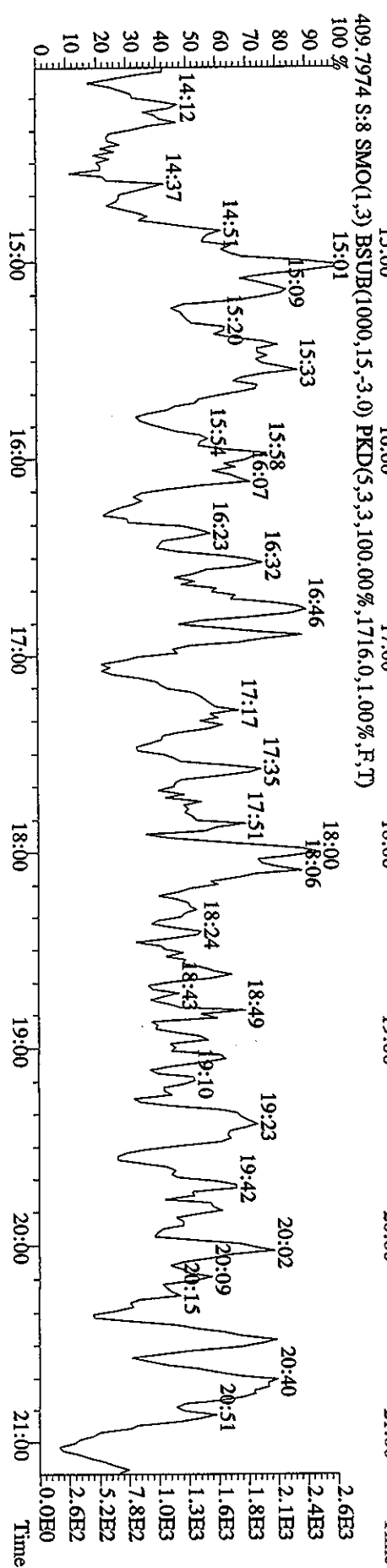
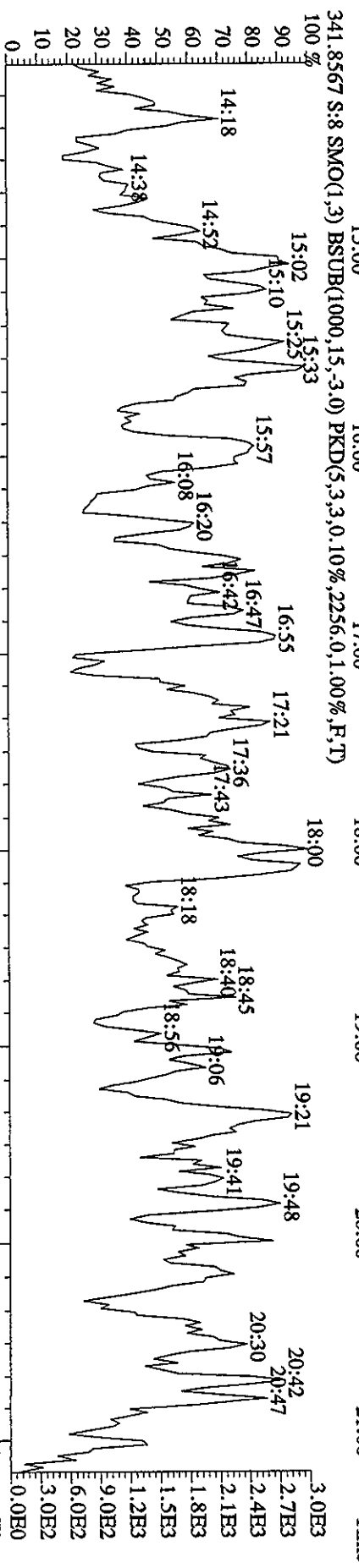
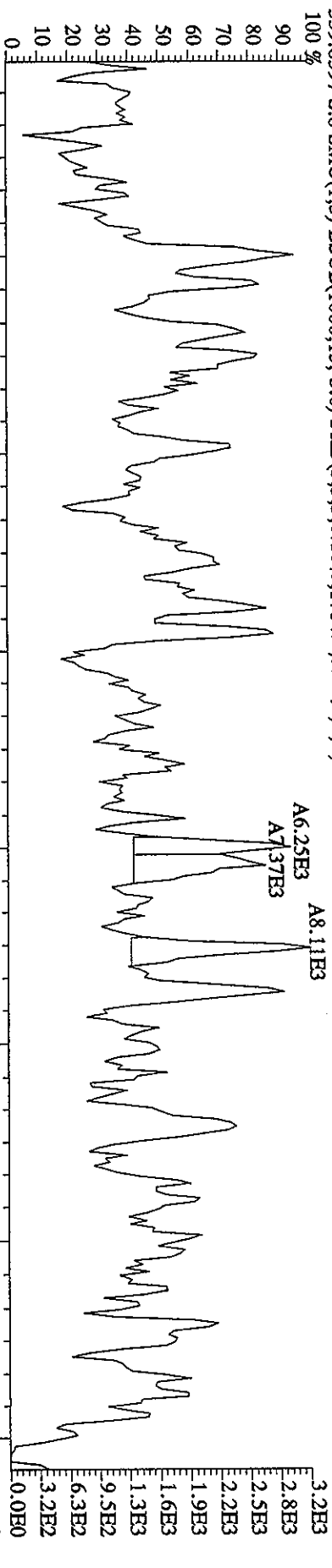
351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4452.0,1.00%,F,T)  
 100 % A8.99E7



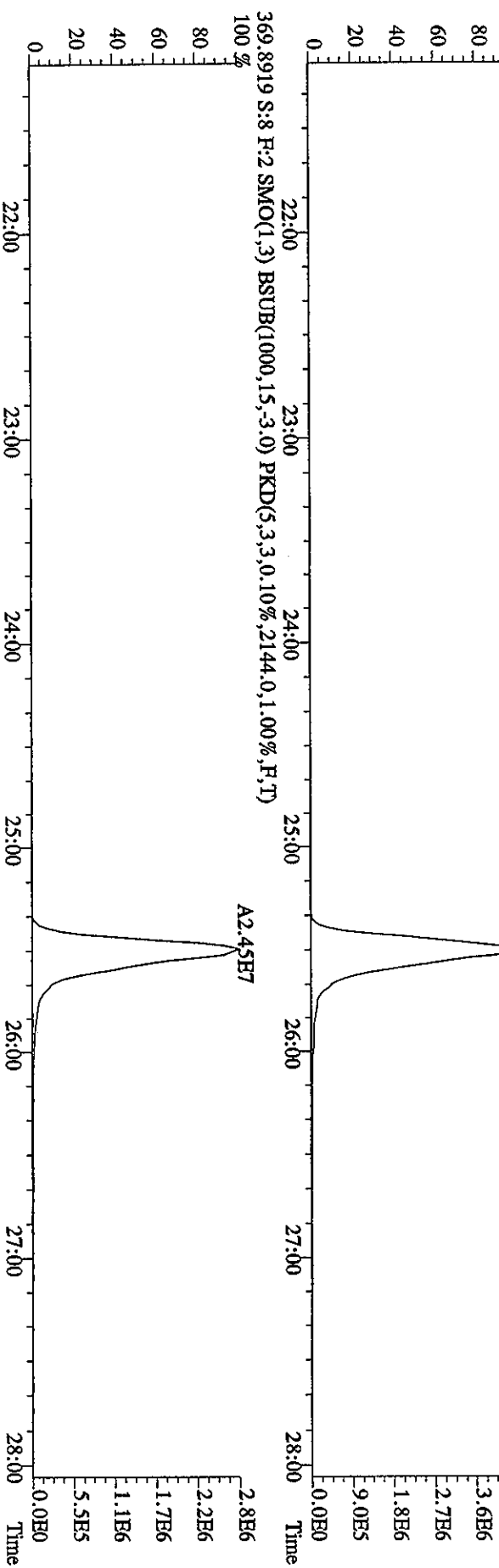
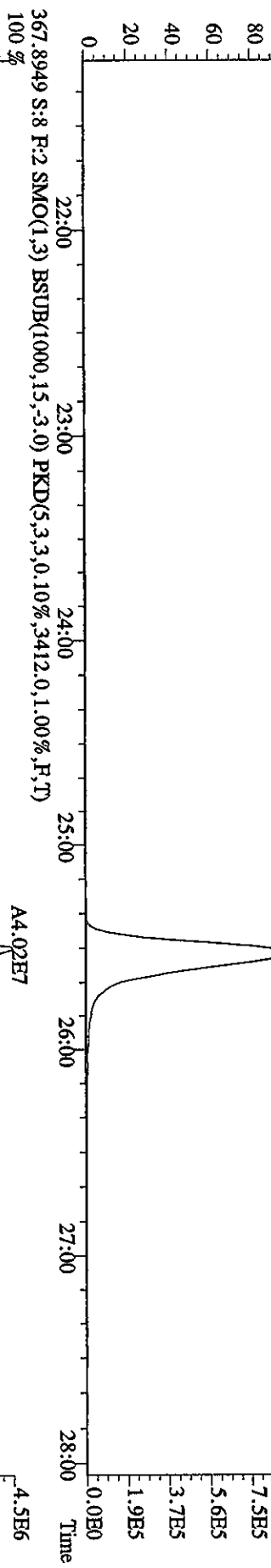
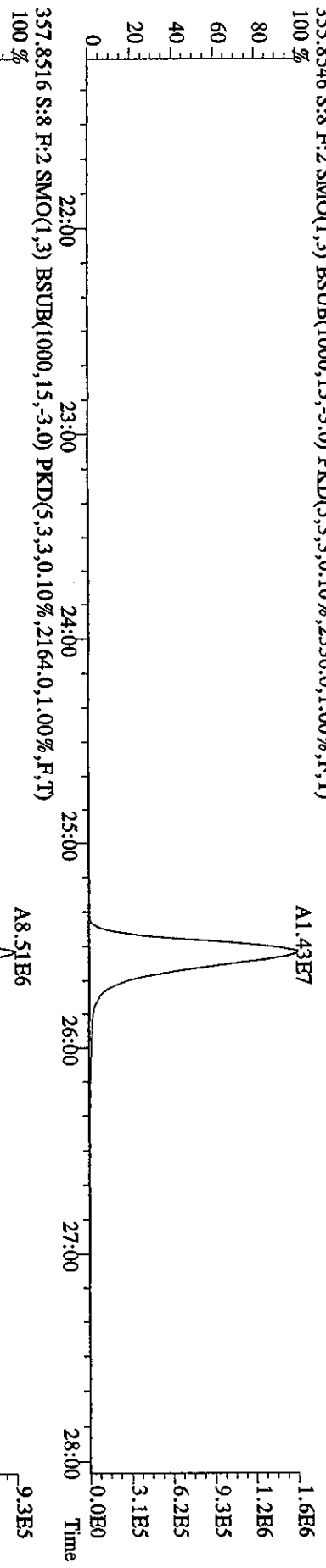
353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7056.0,1.00%,F,T)  
 100 % A5.55E7



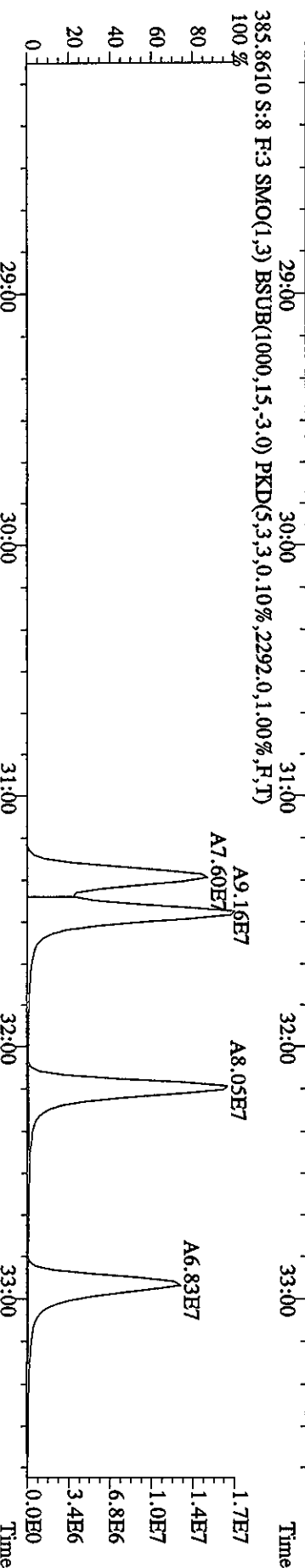
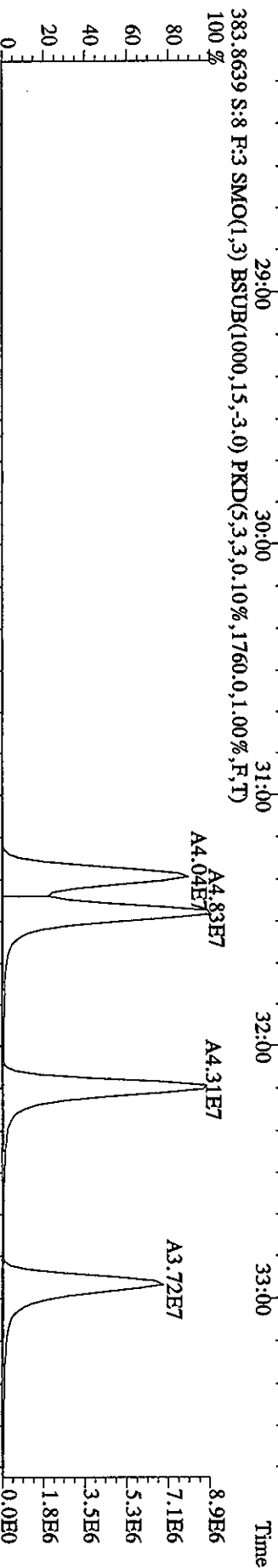
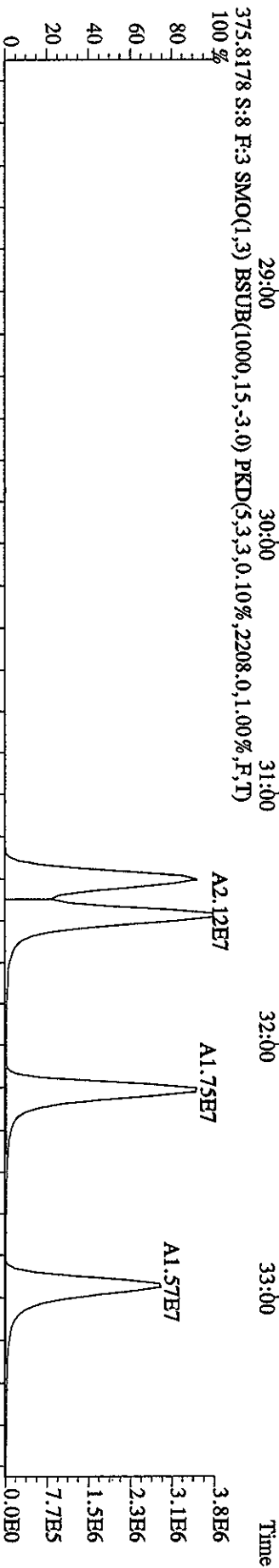
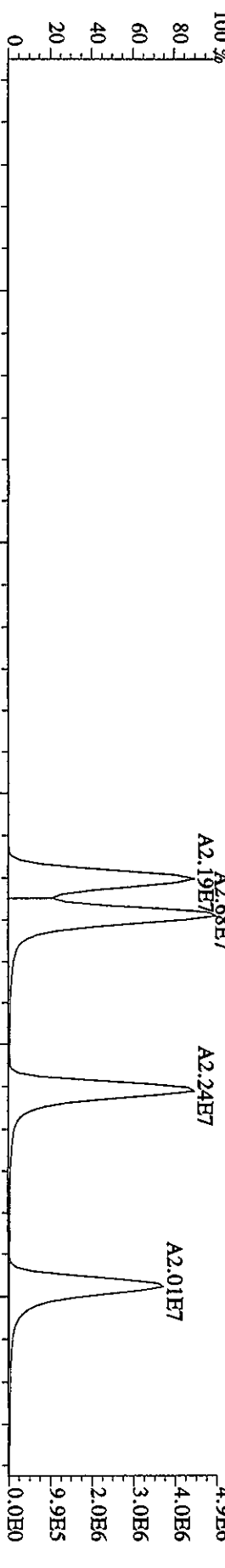
File:28MR068D5 #1-388 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp.:DIOXIN  
 339,8597 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.784,0.1,0.00%,F,T)



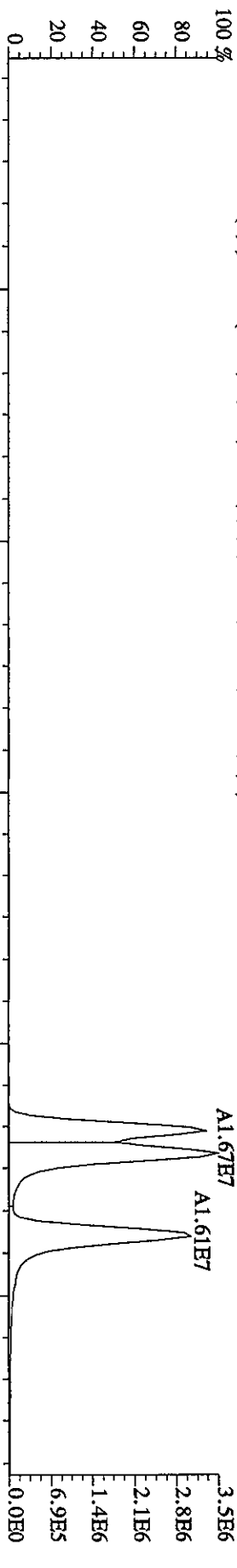
File:28MR068D5 #1-484 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2336.0,1.00%,F,T)  
 100 %



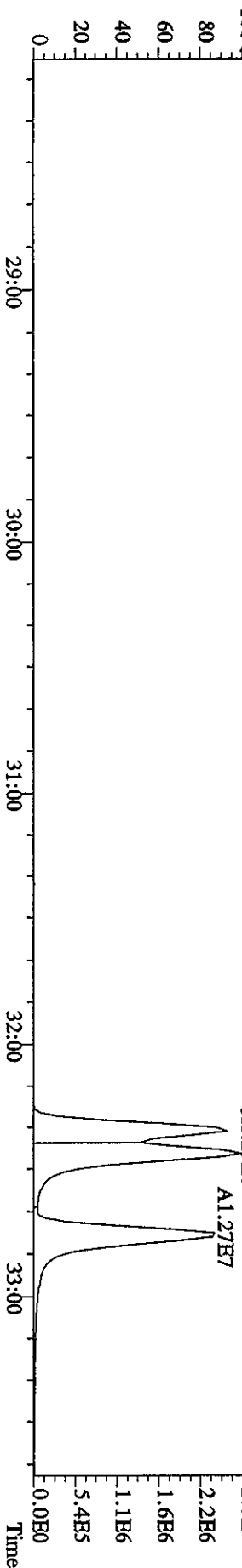
File:28MR068D5 #1-378 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#8 Tex:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



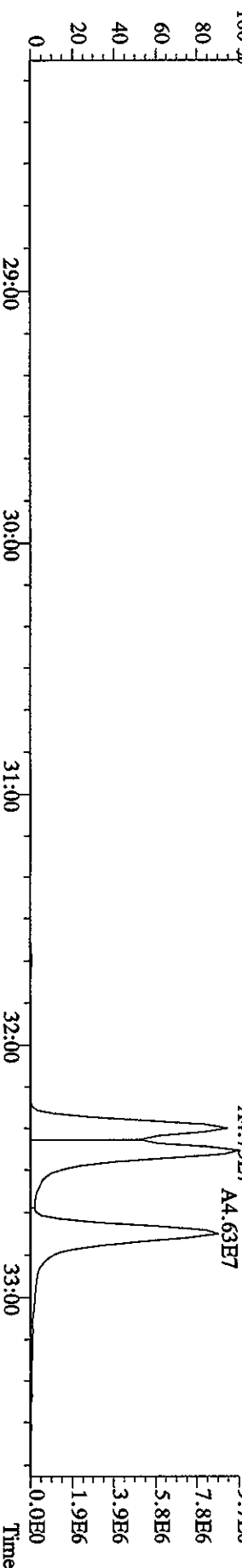
File:28MR068D5 #1-378 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#8 Tex:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)



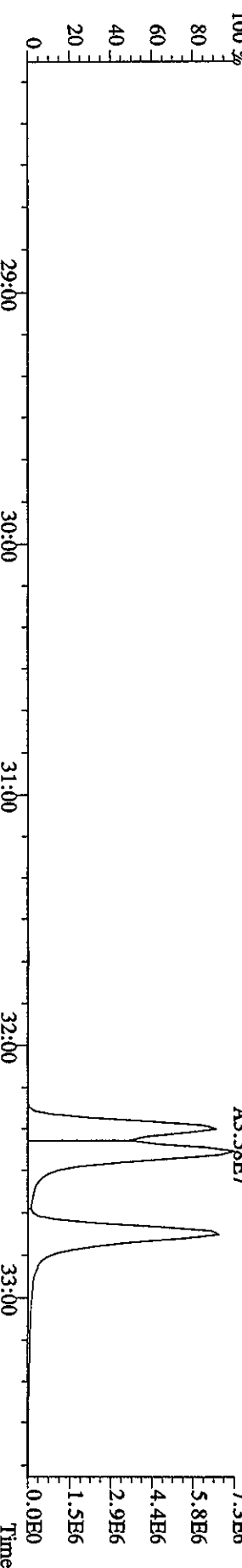
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1784.0,1.00%,F,T)



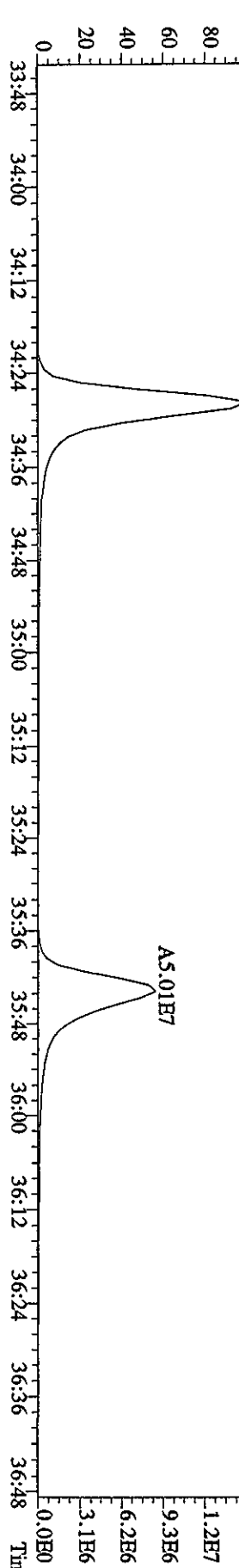
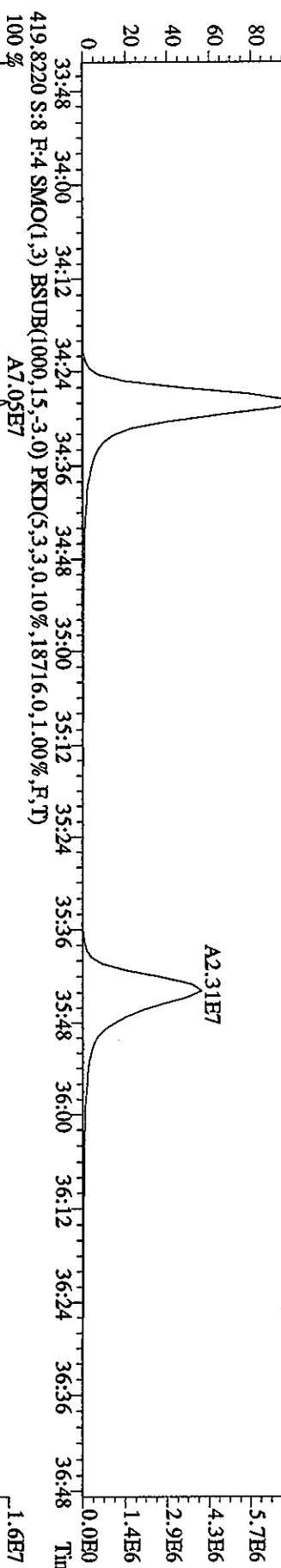
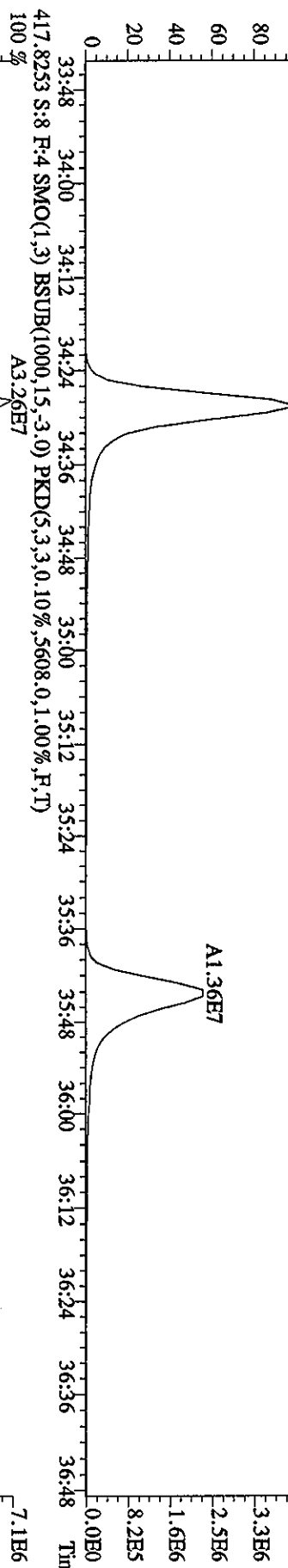
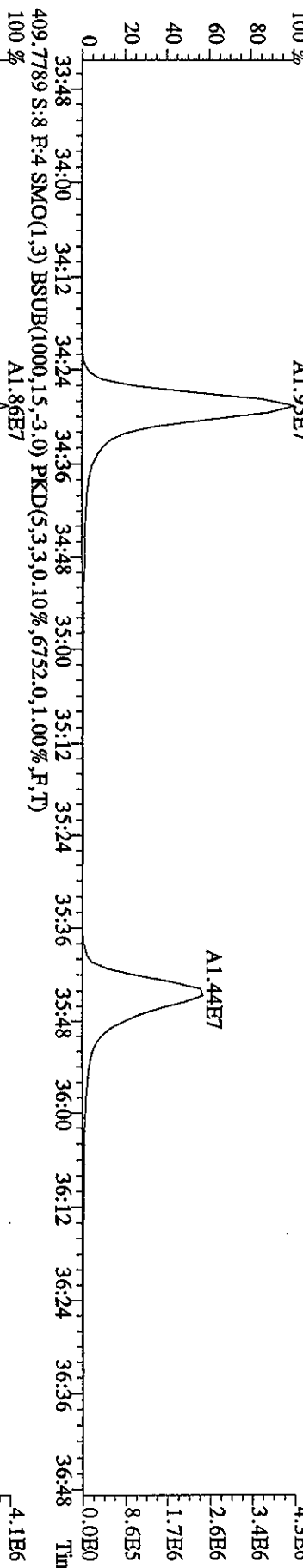
401.8559 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2176.0,1.00%,F,T)



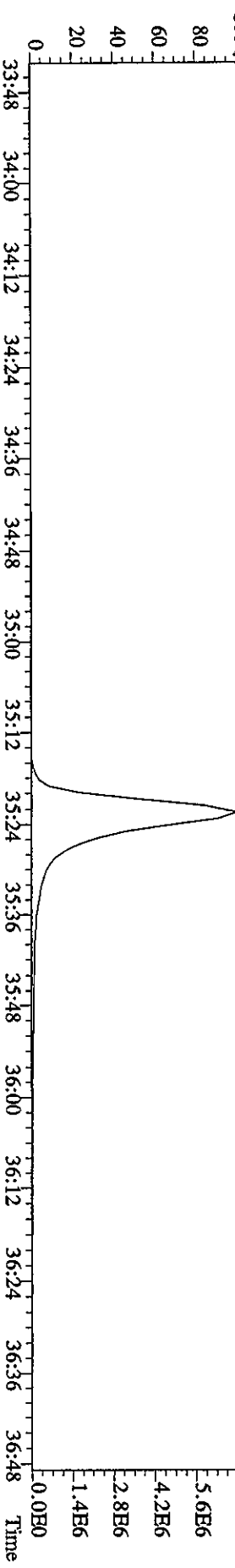
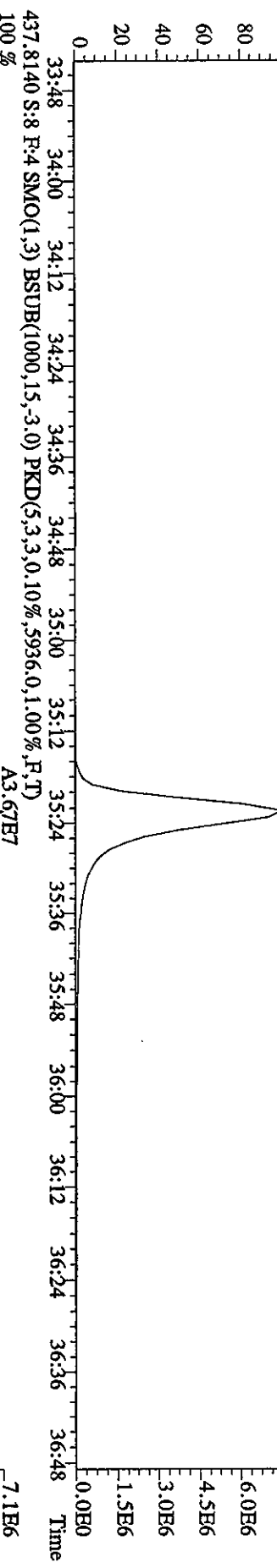
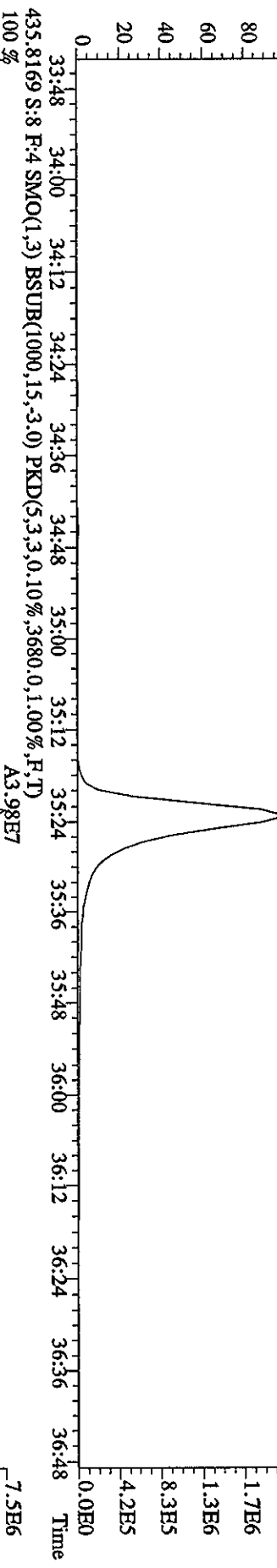
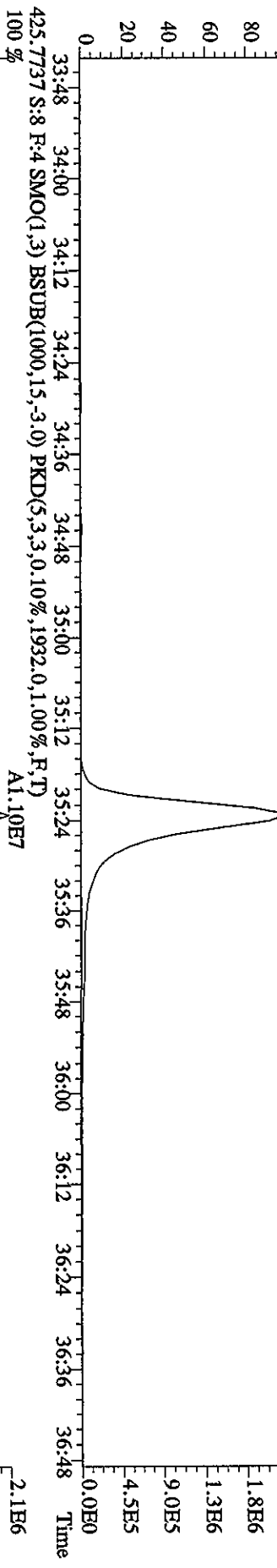
403.8529 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2168.0,1.00%,F,T)



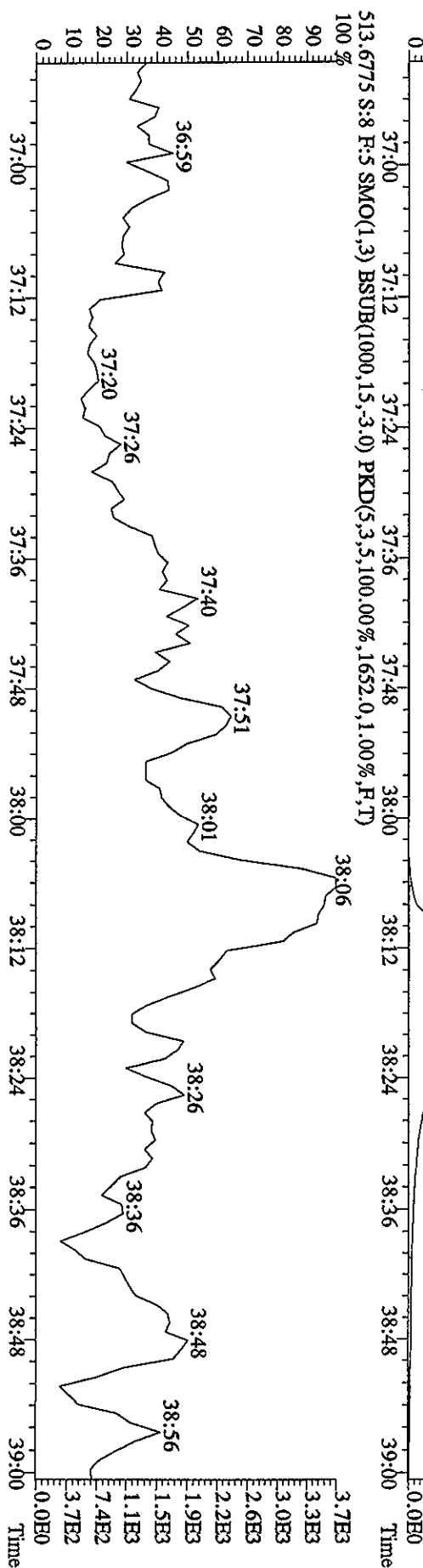
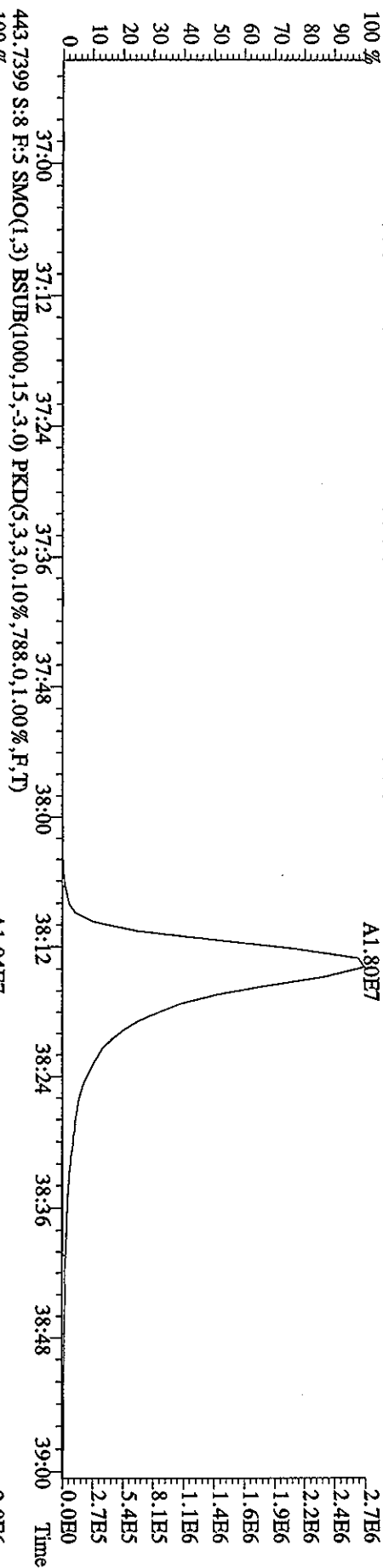
File:28MR068D5 #1-217 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,6224.0,1.00%,F,T)  
 100%



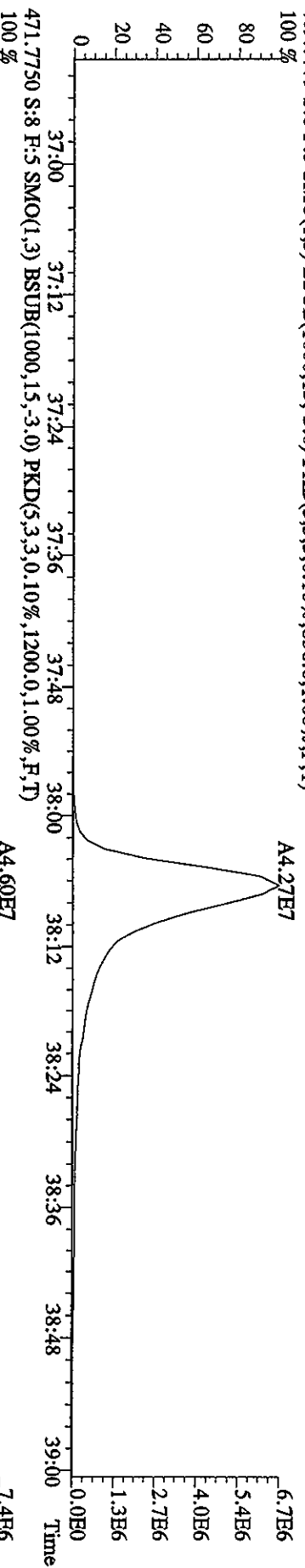
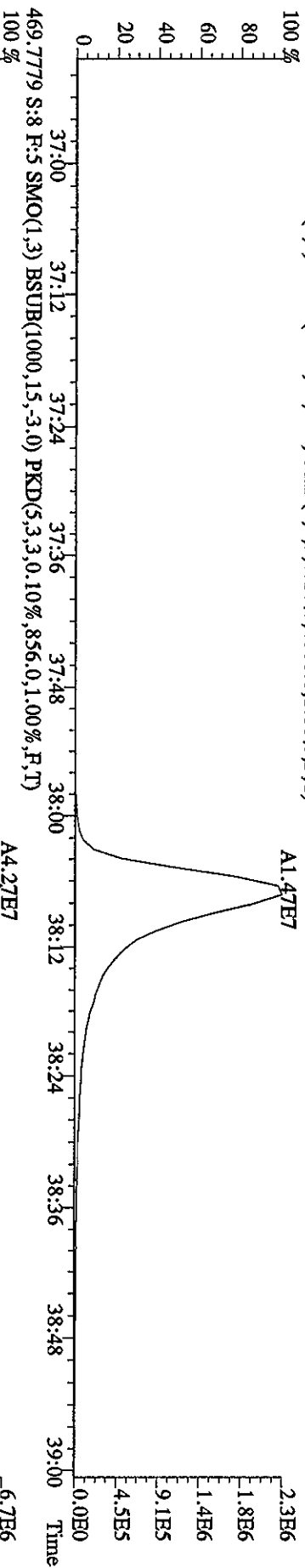
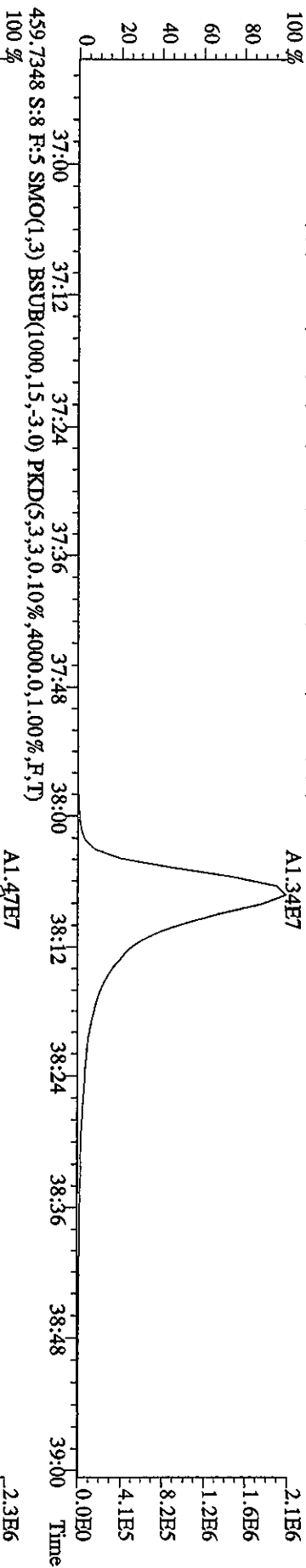
File:28MR068D5 #1-217 Acq:28-MAR-2006 18:04:06 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#8 Text:ST0328F 2nd Source 2565-65 Exp:DIOXIN  
 423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2152.0,1.00%,F,T)  
 100%



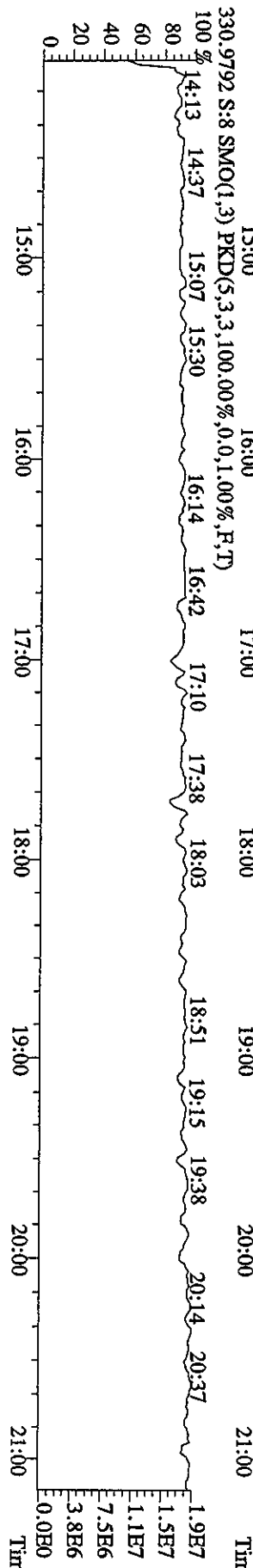
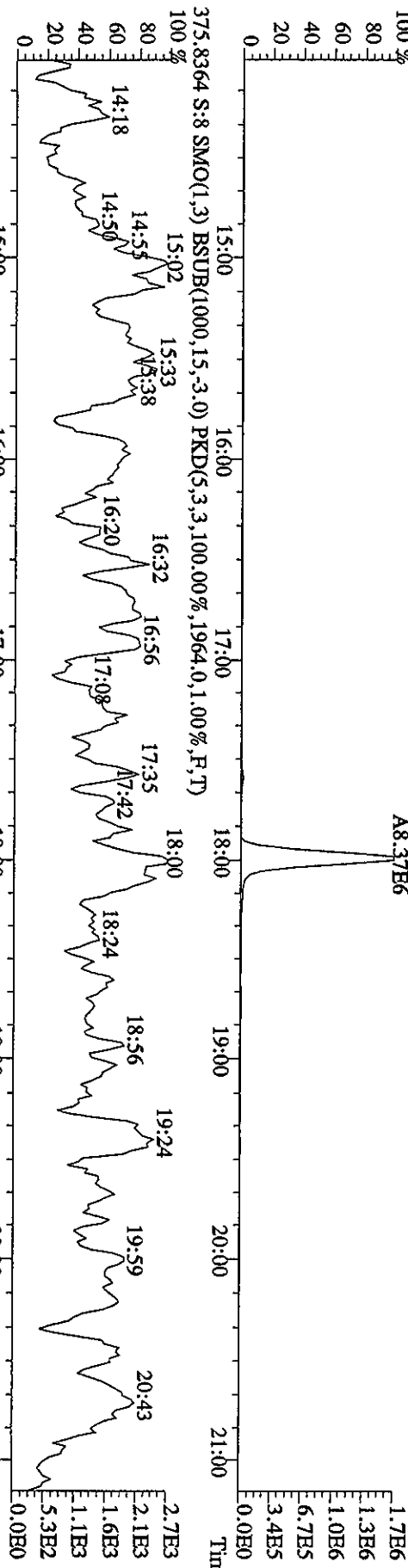
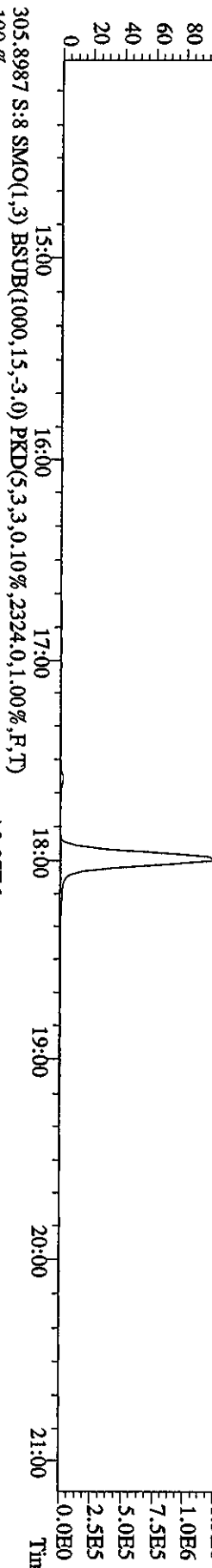
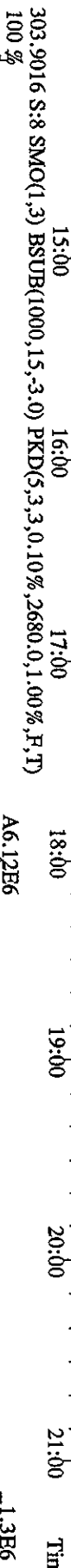
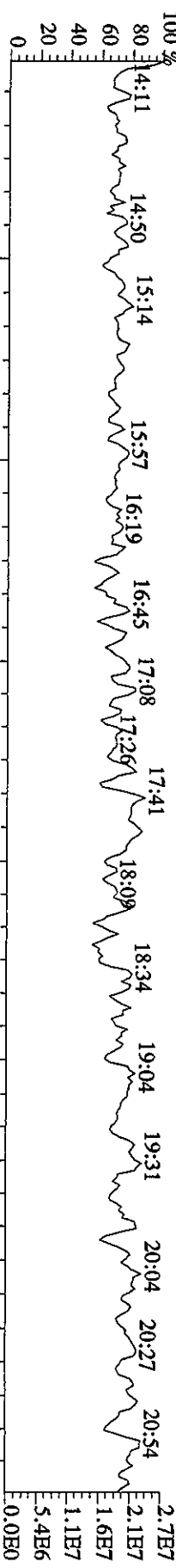
File:28MR068D5 #1-157 Acq:28-MAR-2006 18:04:06 GC BI+ Voltage SIR Autospec-UltimaE  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1208.0,1.00%,F,T)



File:28MR068D5 #1-157 Acq:28-MAR-2006 18:04:06 GC FI + Voltage SIR Autospec-UltraE  
Sample#8 Tex:ST0328F 2nd Source 2565-65 Exp:DIOXIN  
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T)  
100%



File:28MR068D5 #1-388 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

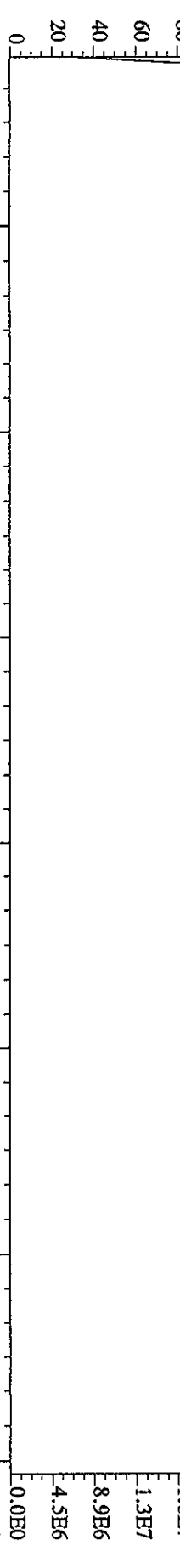


File: 28MR068D5 #1-484 Acq: 28-MAR-2006 18:04:06 GC EI + Voltage SIR Autospec-UltimaB

Sample#8 Text: ST0328F : 2nd Source 2565-65 Exp: DIOXIN

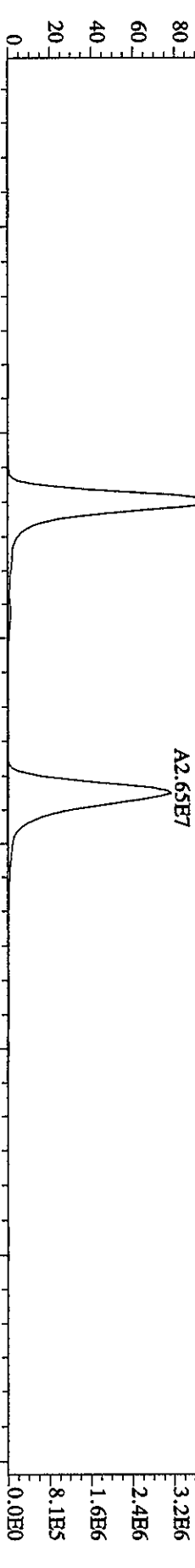
342.9792 S: 8 F: 2 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100% 21:28 21:54 22:39 23:02 23:27 23:50



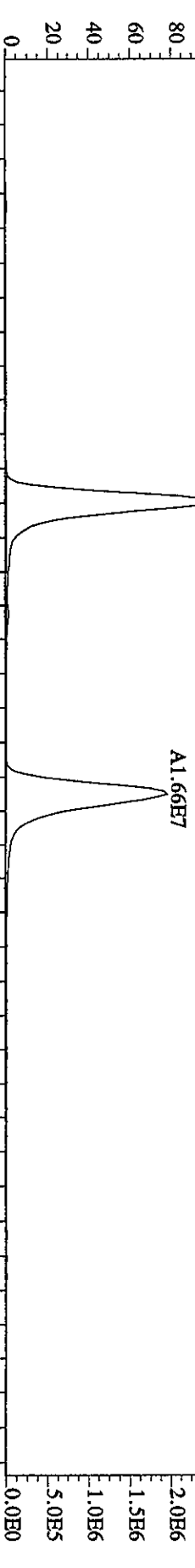
339.8597 S: 8 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2460,0,1.00%,F,T)

100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



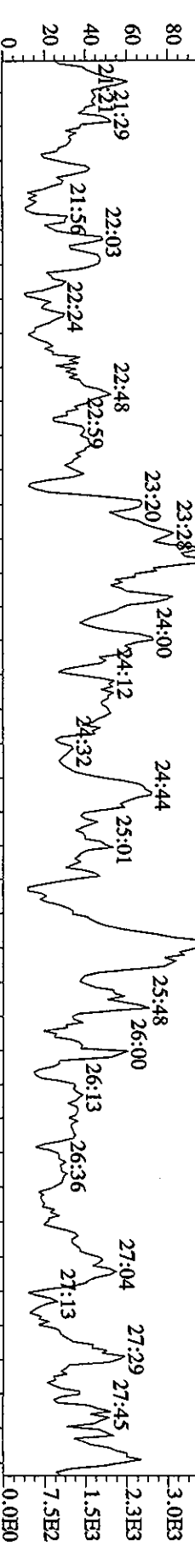
341.8567 S: 8 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2540,0,1.00%,F,T)

100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00

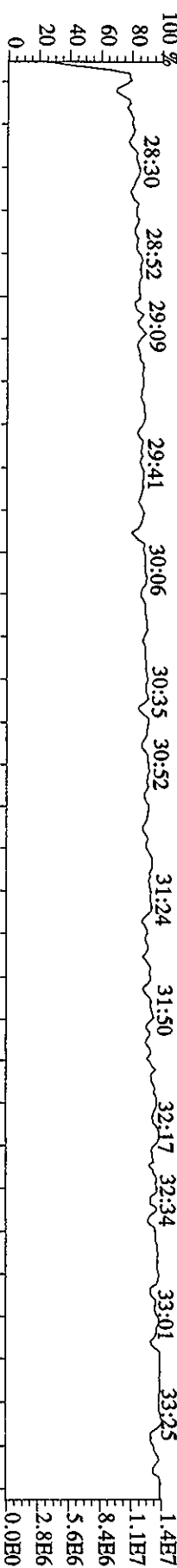


409.7974 S: 8 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1740,0,1.00%,F,T)

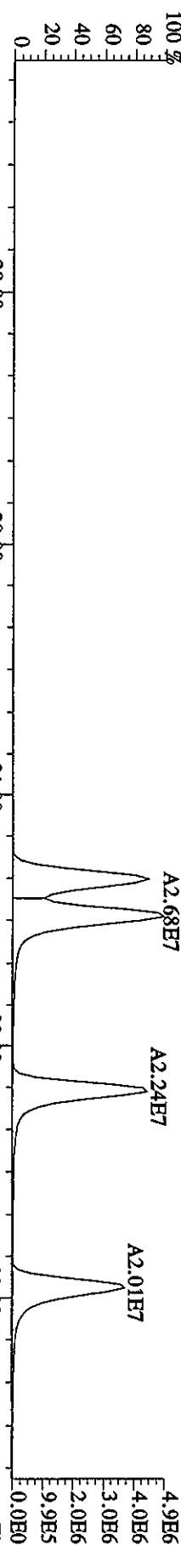
100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



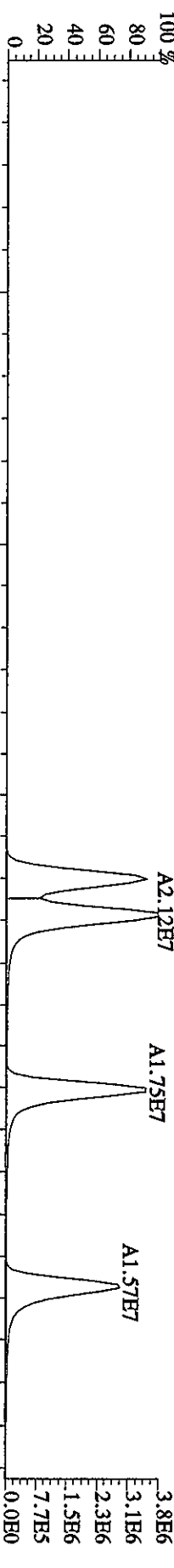
File:28MR068D5 #1-378 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#8 Tex:ST0328F :2nd Source 2565-65 Exp:DIOXIN  
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



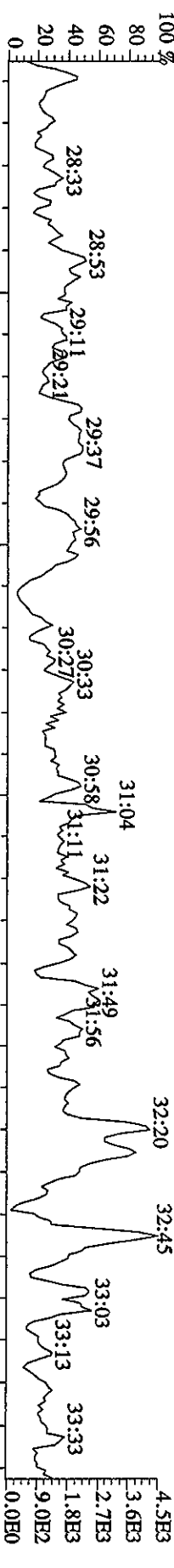
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096,0,1.00%,F,T)



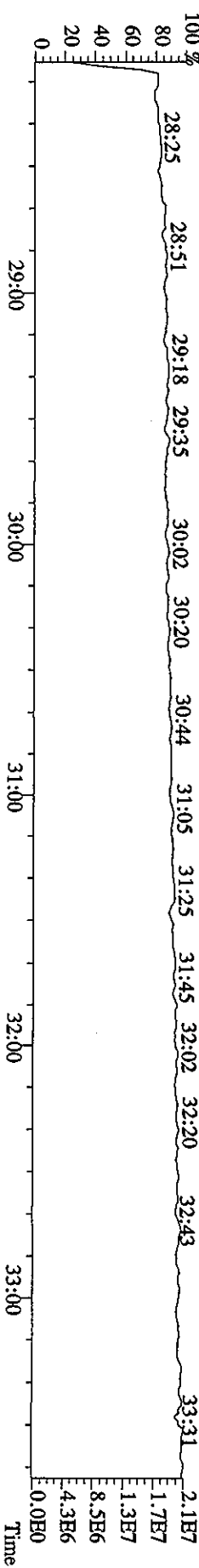
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2208,0,1.00%,F,T)

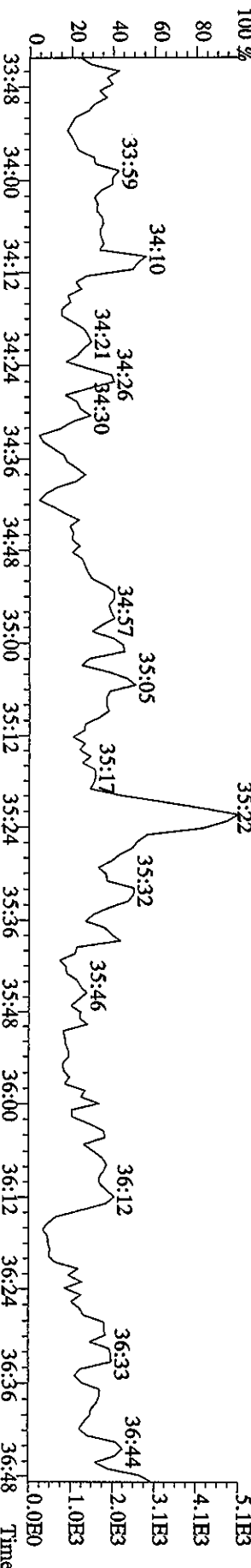
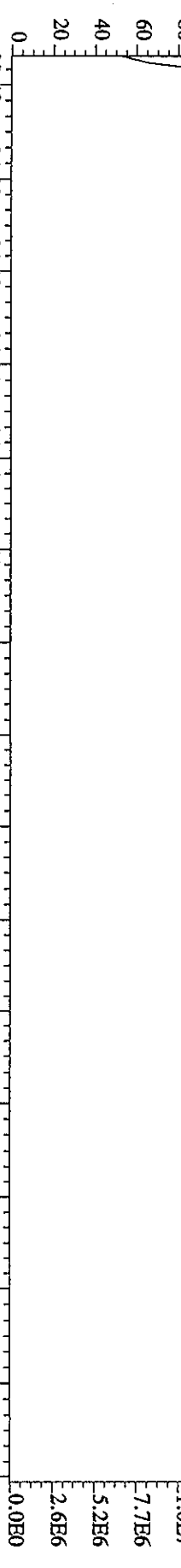


445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1928,0,1.00%,F,T)



380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



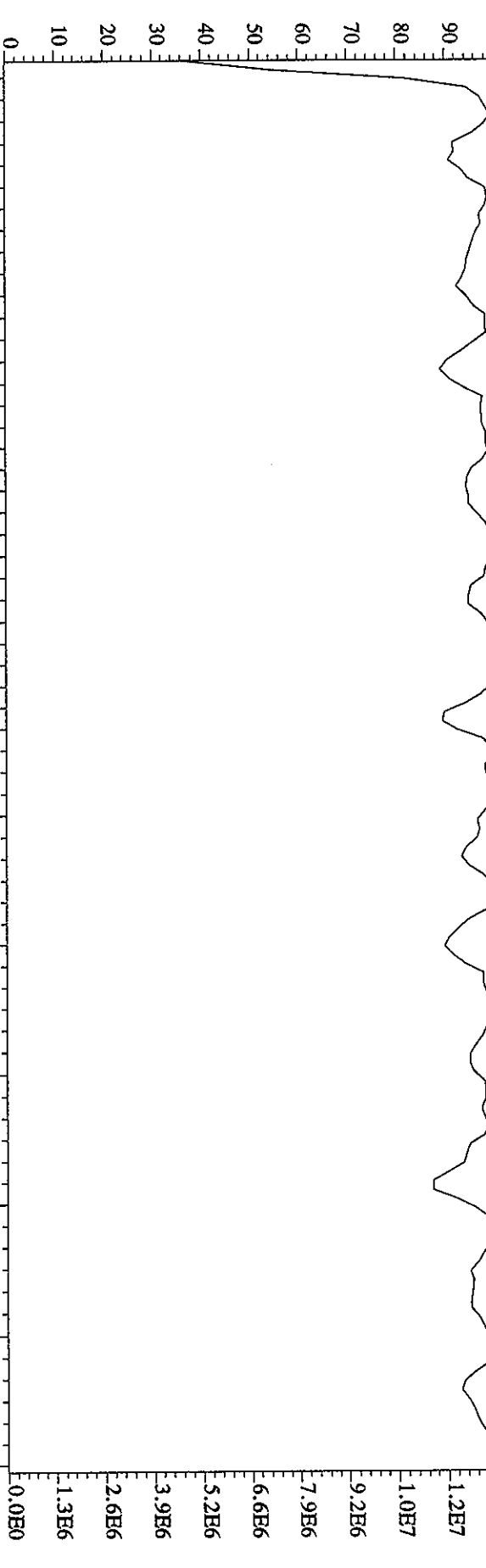


File: 28MR068D5 #1-157 Acq: 28-MAR-2006 18:04:06 GC EI + Voltage SIR Autospec-UltimaE

Sample#8 Text: ST0328R : 2nd Source 2565-65 Exp: DIOXIN

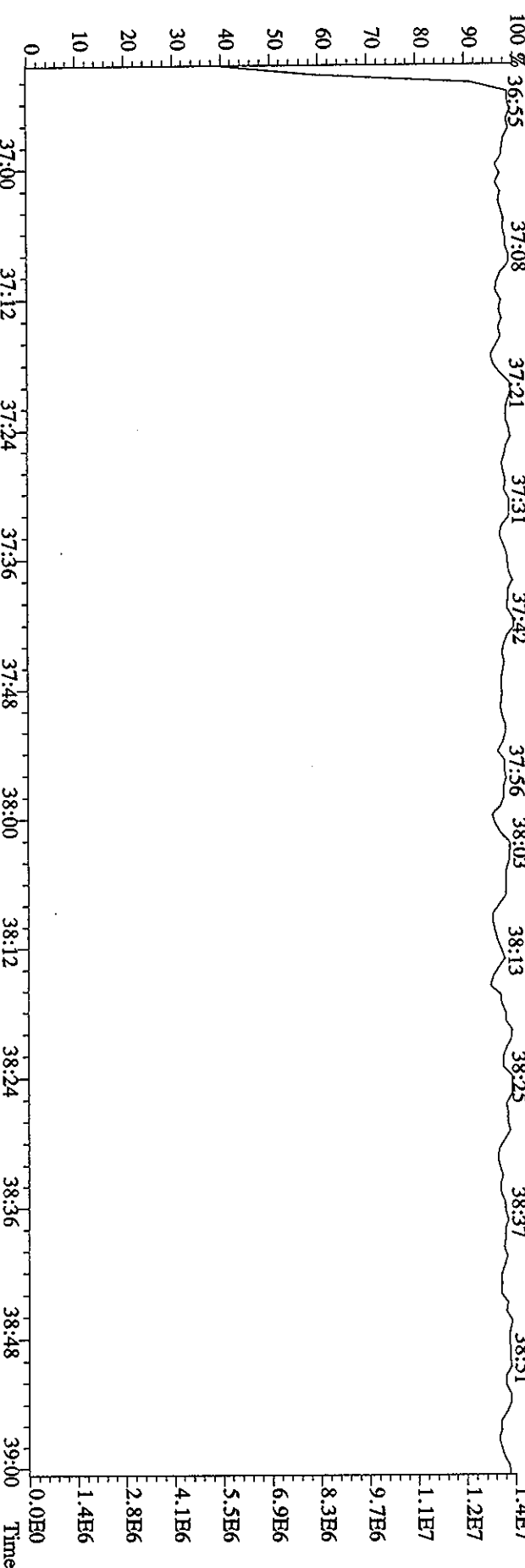
454,9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 36:56 37:03 37:16 37:26 37:34 37:48 37:58 38:07 38:18 38:29 38:38 38:50



442,9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 36:55 37:08 37:21 37:31 37:42 37:48 38:00 38:12 38:13 38:25 38:37 38:51



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

DCS is only required when a client requests one or a MS/SD is requested and limited sample size is available.

G6E120362

Please Circle Extraction Type if used:  
 Soxhlet / Soxhtherm / DI TCLP  
 Ext. 1 \_\_\_\_\_ Ext. 2 \_\_\_\_\_  
 Extraction time on: \_\_\_\_\_  
 Extraction time off: \_\_\_\_\_

IN

Dioxins/Furans, HRGC/HRMS (8290)

Sample #	Suff	Sugg. Sample Size	Actual Sample Size	613 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
MB		1.0u		5/23/06				5/25/06			
LCS											
DCS											
1			1016.8			T.L 5/25/06					

All Samples  
I.S. ID  
Added Vol./Conc.

1.0ml 2726-28

By: *m*

Witness: *CL*

Date: 5.23.06

LCS/DCS/MS/SD  
N.S. ID  
Added Vol./Conc.

←

By: —

Witness: —

Date: —

All Samples  
CRS/Surr ID  
Added Vol./Conc.

1.0ml/ 2726-27

By: T.L

Witness: *CLW*

Date: 5/25/06

All Samples  
R.S. ID  
Added Vol./Conc.

20ul/2565-22

By: *R*

Witness: *ELW*

Date: 5/25/06

Comments (Including Dilution at FV information):

QC Lot ID: G6E170121

Batch: 614362Y

Associated Samples:

Batch:

Method:

/	/	/
/	/	/
/	/	/
/	/	/
/	/	/

Extraction  
Solvents Used:

*DM*

Solvent Lot #:

\_\_\_\_\_

\*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**

**SEVERN  
TRENT  
SERVICES**

Lot ID #: G6E120362 Method ID: Dioxins/Furans, HRGC/HRMS (8290)

Sample # 1

(For Internal COC requests only)

Date Delivered to Inst.: \_\_\_\_\_ Delivered By: \_\_\_\_\_ Delivered To: \_\_\_\_\_

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>JM</u>	_____
Date initiated:	<u>5-30-06</u>	_____
Reviewer:	<u>JCS</u>	_____
Date reviewed:	<u>05/30/06</u>	_____

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

Sample Analysis:	<u>Initiated</u> <u>DB-5</u>	<u>Reviewed</u> <u>DB-5</u>	<u>Initiated</u> <u>DB-225</u> (High Res Only)	<u>Reviewed</u> <u>DB-225</u> (High Res Only)
-Correct sample aliquot used?	/	/	_____	_____
-All raw data present?	/	/	_____	_____
-Standard target DL's used? If RL's are used specify: _____	/	/	_____	_____
-DL's below <u>7DL</u> LCL (please circle)?	/	/	_____	_____
-All positives reported at levels greater than method blank DL's?	/	/	_____	_____
-Correct RRF's used for method?	/	/	_____	_____
-Internal standard amounts correct for method?	✓	/	_____	_____
-Target analytes are not saturated?	/	/	_____	_____
-Dilution/splitting of extract taken into account?	NA	NA	_____	_____
-Have dilution calculations been verified?	/	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)

**\* 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%

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

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

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

Extractionist: 009893 David Romero  
Concentrationist: 009893 David Romero

\*\*\*\*\*  
\* OC BATCH: 6143628 \*  
\*\*\*\*\*  
PREP DATE: 5/23/06  
COMP DATE: 5/23/06

Reviewer/Date: ROMEROD / 5/25/06

Dioxins/Furans, HRGC/HRMS (8290)  
L10/L10, SEP FUNNEL (PAH, P/P, TPH, Dioxin) - Nominal

EXTR EXPR	ANL DUE	LOT# MSRUN# / WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIF ADJ1	PH'S ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD / SURROGATE ID
6/02/06	5/29/06	G6E120362-001 H5A49-1-AA		09	IN WATER	1016.8mL 20.00uL	NA	NA	DCM	300.0	C-14	.0 1.0ML IS/2726-28

6/11/06	5/30/06	G6E160358-001 H5HL4-1-AA		09	IN WATER	1046.8mL 20.00uL	NA	NA	DCM	300.0	C-14	.0 1.0ML IS/2726-28
---------	---------	--------------------------	--	----	----------	------------------	----	----	-----	-------	------	---------------------

6/11/06	5/30/06	G6E160358-002 H5HL8-1-AA		09	IN WATER	1026.7mL 20.00uL	NA	NA	DCM	300.0	C-14	.0 1.0ML IS/2726-28
---------	---------	--------------------------	--	----	----------	------------------	----	----	-----	-------	------	---------------------

6/11/06	5/30/06	G6E160358-003 H5HL9-1-AA		09	IN WATER	1004.4mL 20.00uL	NA	NA	DCM	300.0	C-14	.0 1.0ML IS/2726-28
---------	---------	--------------------------	--	----	----------	------------------	----	----	-----	-------	------	---------------------

6/14/06	5/30/06	G6E170121-001 H5JL7-1-AC		09	IN WATER	941.7mL 20.00uL	NA	NA	DCM	300.0	C-14	.0 1.0ML IS/2726-28
---------	---------	--------------------------	--	----	----------	-----------------	----	----	-----	-------	------	---------------------

6/10/06	5/30/06	G6E170121-002 H5JL9-1-AC		09	IN WATER	897.7mL 20.00uL	NA	NA	DCM	300.0	C-14	.0 1.0ML IS/2726-28
---------	---------	--------------------------	--	----	----------	-----------------	----	----	-----	-------	------	---------------------

6/14/06	0/00/00	G6E230000-628 H5I69-1-AAB		09	IN WATER	1000.0mL 20.00uL	NA	NA	DCM	300.0	C-14	.0 1.0ML IS/2726-28
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ROG058

Severn Trent Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 5/25/06  
Time: 16:27:02

\*\*\*\*\*  
\* QC BATCH: 6143628 \*  
\*\*\*\*\*

PREP DATE: 5/23/06  
COMP DATE: 5/23/06

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ WT/VOL	FIN	PH'S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/14/06	0/00/00	G6E2300000-628	H5169-1-ACC		09	IN WATER	1000.0mL	20.00uL	NA	NA	DCM	300.0	C-14	.0 50UL NS/2726-26 1.0ML IS/2726-28

1.0ML IS/2726-28, 50UL NS/2726-26, 1.0ML CRS/2726-27, 20UL RS/2565-22.

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

NUMBER OF WORK ORDERS IN BATCH: 8

# **Appendix**

***Includes (as applicable):***

***retention time windows***

***MDL summaries***

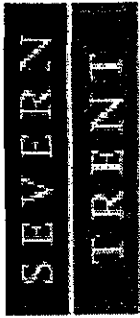
***calculation explanation sheets***

***standard raw data***

***statistical summary***



2565-41



# STL

## STL SACRAMENTO HIGH RESOLUTION DIOXIN STANDARDS PREPARATION LOG

5th Calibration Curve

Standard Name 6/28/2001/MS/SS1 CS-1 CS-2 CS-3 CS-4 CS-5 Date Prepared/Prepared By ff | 9-9-05

DA OPENED/	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

DA	CS-1	CS-2	CS-3	CS-4	CS-5	2565-41A	2565-41B	2565-41C	2565-41D	2565-41E
	250	250	2000	100	100					
13C-I.S. Amt (uL)	2565-37	2565-37	2565-37	2565-37	2565-37					
ID#	100	100	100	100	100					
F.C. (pg/uL)	(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					
37Cl-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					
13C-R.S. Amt (uL)	(0.5-5.0)	(2.0-20)	(10-100)	(40-400)	(200-2000)					
ID#	500	500	4000	200	200					
F.C. (pg/uL)	2565-62	2565-62	2565-62	2565-62	2565-62					
Standard Lot #	10520D0	10520D0	10520D0	10520D0	10520D0					
F.V. (uL)	500	500	4000	200	200					

1613BPAR Stock Solution from CIL - Lot # ER012004-02

Solvent Used: Hex-DEC-DM Solvent Lot # 10520D0 Approved by \_\_\_\_\_  
 Final Volume: \_\_\_\_\_ Stock Expiration Date: 9-9-05 Date: \_\_\_\_\_

Q:\FORMS\UPDATED FOR PDF\QA-239 HI RES STDS PREP.DOC  
 13C-I.S. actual concentration and Native actual concentrations in Calibration Curve are in parentheses.  
 F.C. Concentrations for 13C-I.S. and Natives are used for calculation purposes.





