

SEVERN
TRENT

STL

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.

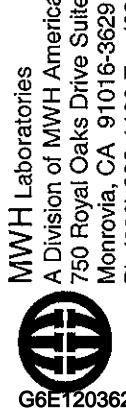
SAMPLE SUMMARY

G6E120362

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP 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

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** Sub PO# **99-23182** 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

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

(916) 373-5600 Fax

<p>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</p>	
<p>Provide in each Report the Specified State Certification # & Exp Date for requested tests + matrix</p>	
<p>Nevada ww</p>	

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

(916) 373-5600

Fax

MWH Project #	Report Due:	Sub PO#	Sample	Date & Time	Matrix	Container
173951	05/26/06	99-23182				
RBC		<input checked="" type="checkbox"/> Use MWH <input type="checkbox"/> Lab # for ID	<i>Client Sample ID for reference only</i>			
@CONGEN	2605110248	M-120	TCDDs+PCDFs +TEQs by 1613B-WW full	05/03/06 10:04	grnd 2 1L amber glass / no preservative	1613B-WW full congener

RECEIVED IN GOOD CONDITION UNDER DOG
MAY 12 2006
IN: <i>JW</i>

Relinquished by: *MARVIN DE MESA* Sample Control Date 05/11/06 Time 1544 MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS
of 34 Received by: *Cheng Huie* Date *5/12/06* Time *1125* An Acknowledgement of Receipt is requested to attn: Julie Lee

CLIENT MWH PM RH LOG # 38812LOT# (QUANTIMS ID) G6E120362 QUOTE# 69473 LOCATION W17BDATE RECEIVED 5/12/06 TIME RECEIVED 0905 Initials UV Date 5/12/06

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

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) STL CLIENT N/ATEMPERATURE RECORD (IN °C) IR 1 3 OTHER _____COC #(S) N/ATEMPERATURE BLANK Observed: 3 Corrected: _____

SAMPLE TEMPERATURE

Observed: 3 Average: 3 Corrected Average: 3COLLECTOR'S NAME: Verified from COC Not on COCpH MEASURED YES ANOMALY N/A

LABELED BY _____

LABELS CHECKED BY _____

PEER REVIEW N/A

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/AVOA-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: _____

*1 Acceptable temperature range for State of Wisconsin samples is $\leq 4^{\circ}\text{C}$.

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																				

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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

QA-185 3/05 EM

Page 2

WATER, 8290, Dioxins/Furans

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

Client Sample ID: M-120

Lot-Sample #...:	G6E120362 - 001	Work Order #...:	H5A491AA	Matrix....:	WATER
Date Sampled...:	05/03/06	Date Received..:	05/12/06	Instrument:	9D5
Prep Date.....:	05/23/06	Analysis Date..:	05/26/06	Units.....:	pg/L
Prep Batch #...:	6143628	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
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
1,2,3,4,6,7,8-HpCDD	27	J	0.010	0.2700
Total HpCDD	27			
OCDD	110		0.001	0.1100
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
Total TEQ Concentration				0.3800

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
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; FPA/625/3.89/016

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
MB Lot-Sample #: G6E230000-628
Analysis Date..: 05/26/06
Dilution Factor: 1

Work Order #...: H6EM11AA
Prep Date.....: 05/23/06
Prep Batch #...: 6143628

Matrix.....: WATER

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

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

(Continued on next page)

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**

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	93	(40 - 135)
	94	(40 - 135)
13C-1,2,3,7,8-PeCDD	97	(40 - 135)
	96	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	94	(40 - 135)
	97	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
	91	(40 - 135)
13C-OCDD	106	(40 - 135)
	104	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
	90	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)
	80	(40 - 135)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: 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

<u>PARAMETER</u>	<u>SPIKE</u>	<u>MEASURED</u>	<u>PERCENT</u>	<u>RPD</u>	<u>METHOD</u>
	<u>AMOUNT</u>	<u>AMOUNT</u>	<u>UNITS</u>		
2,3,7,8-TCDD	200	212	pg/L	106	SW846 8290
	200	204	pg/L	102	SW846 8290
1,2,3,7,8-PeCDD	1000	1110	pg/L	111	SW846 8290
	1000	1120	pg/L	112	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1160	pg/L	116	SW846 8290
	1000	1140	pg/L	114	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1130	pg/L	113	SW846 8290
	1000	1080	pg/L	108	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1140	pg/L	114	SW846 8290
	1000	1110	pg/L	111	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	1140	pg/L	114	SW846 8290
	1000	1110	pg/L	111	SW846 8290
OCDD	2000	2360	pg/L	118	SW846 8290
	2000	2290	pg/L	115	SW846 8290
2,3,7,8-TCDF	200	197	pg/L	99	SW846 8290
	200	187	pg/L	93	SW846 8290
1,2,3,7,8-PeCDF	1000	1090	pg/L	109	SW846 8290
	1000	1070	pg/L	107	SW846 8290
2,3,4,7,8-PeCDF	1000	1080	pg/L	108	SW846 8290
	1000	1060	pg/L	106	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1160	pg/L	116	SW846 8290
	1000	1160	pg/L	116	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1120	pg/L	112	SW846 8290
	1000	1140	pg/L	114	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1220	pg/L	122	SW846 8290
	1000	1220	pg/L	122	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1220	pg/L	122	SW846 8290
	1000	1170	pg/L	117	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1080	pg/L	108	SW846 8290
	1000	1070	pg/L	107	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1160	pg/L	116	SW846 8290
	1000	1140	pg/L	114	SW846 8290
OCDF	2000	2150	pg/L	108	SW846 8290
	2000	2080	pg/L	104	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**

<u>INTERNAL STANDARD</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
13C-2,3,7,8-TCDD	93	(40 - 135)
	94	(40 - 135)
13C-1,2,3,7,8-PeCDD	97	(40 - 135)
	96	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	94	(40 - 135)
	97	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
	91	(40 - 135)
13C-OCDD	106	(40 - 135)
	104	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
	90	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)
	80	(40 - 135)

NOTE (S) :

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

Bold print denotes control parameters

WATER, 8290, Dioxins/Furans

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

Ics

ms/sd

sample raw data

ms tune data

Quantitation Summary

STL

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~~H6EM1-1-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	1.42	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	*	2.77	-	n
Total F1 PeCDF	48864	2.41 n	16:31	0.93	1.70	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	1.74	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	2.29	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	2.29	5.81	6.41	-
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	1.87	4.12	-	n
Total HxCDD	34425	0.96 n	31:00	1.02	1.87	4.31	4.69	-
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 PL	1.86	-	n
1,2,3,4,7,8,9-HpCDF	53152	0.77 n	33:55	1.10	2.62 PL	2.16	-	n
Total HpCDF	583052	1.05 y	32:54	1.19	25.66	2.00 LS,	-	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 PL	1.82	-	n
Total HpCDD	517099	1.76 n	32:54	0.95	28.34	1.82	15.87	-
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	5.65	-	n

Totals Results STL Sacramento

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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

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

Totals Results STL Sacramento

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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

Name	#	R.T.	Ratio	Conc.	Area	S/N >?	Mod?
	1	16:01	2.94	n	1.42	65899	5.7
						22435	y n
							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 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

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

Totals Results STL Sacramento

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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

Totals Results STL Sacramento

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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: 25MY06A9

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 19955	1.9 n n 1.7 n n

Totals Results STL Sacramento

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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: 25MY06A9

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 173860	20.3 y n 32.3 y n
	2	33:05	1.38	n 3.24	48142 34770	5.1 y n 5.4 y n
	3	33:12	1.21	n 4.66	60728 50136	5.6 y n 9.3 y n
1,2,3,4,7,8,9-HpCDF	4	33:55	0.77	n 2.62	27097 35312	2.8 n n 5.9 y n

Totals Results STL Sacramento

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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: 25MY06A9

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

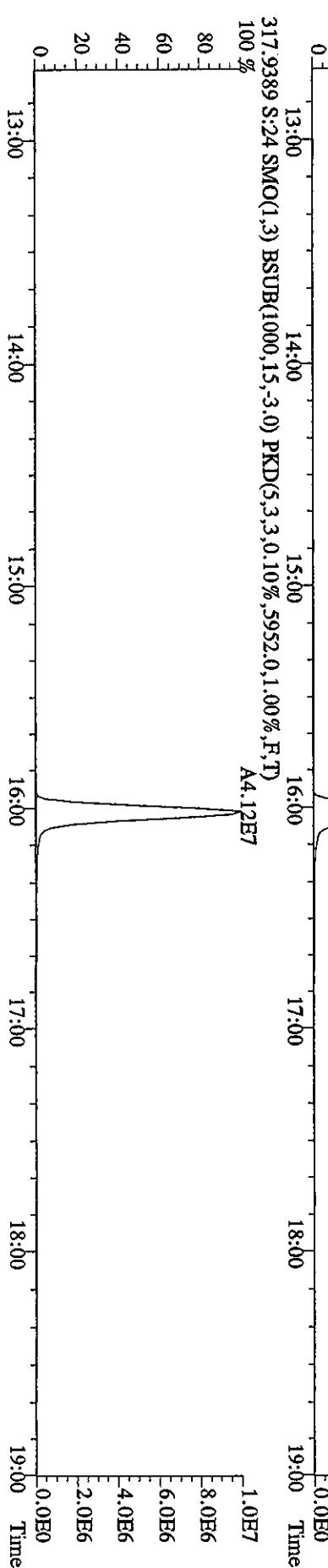
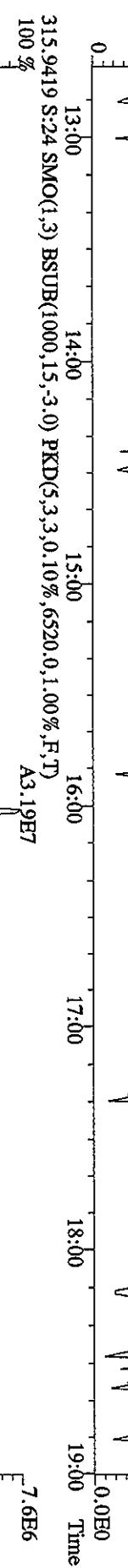
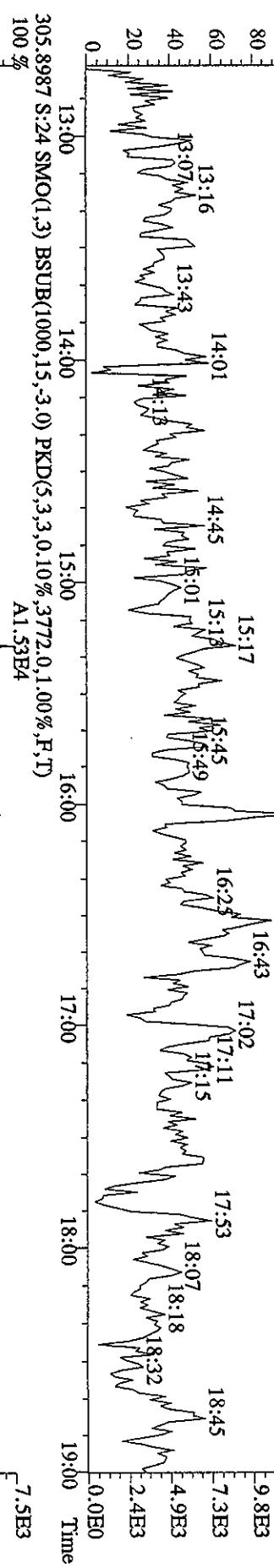
					16195	1.8	n	n	
	2	33:09	0.96	y	9.64	85977	16.2	y	n
						89849	16.7	y	n
1,2,3,4,6,7,8-HpCDD	3	33:40	1.10	y	15.87	151452	26.3	y	n
						138082	24.1	y	n
	4	33:54	3.69	n	1.02	33814	6.9	y	n
						9168	1.8	n	n

File:25MY06A9D5 #1439 Acq:26-MAY-2006 13:13:52 GC El+ Voltage SIR Autospec-UltimaE

Sample#4 Text: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)

100 % 1.2E4
80 9.8E3
60 7.3E3
40 4.9E3
20 2.4E3
0 0.0E0



Sample#24 Text:H5169-1-AA :G6E20000-628B Exp:DIOXIN

319.8665 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T)

100% A6.59E4 1.7E4

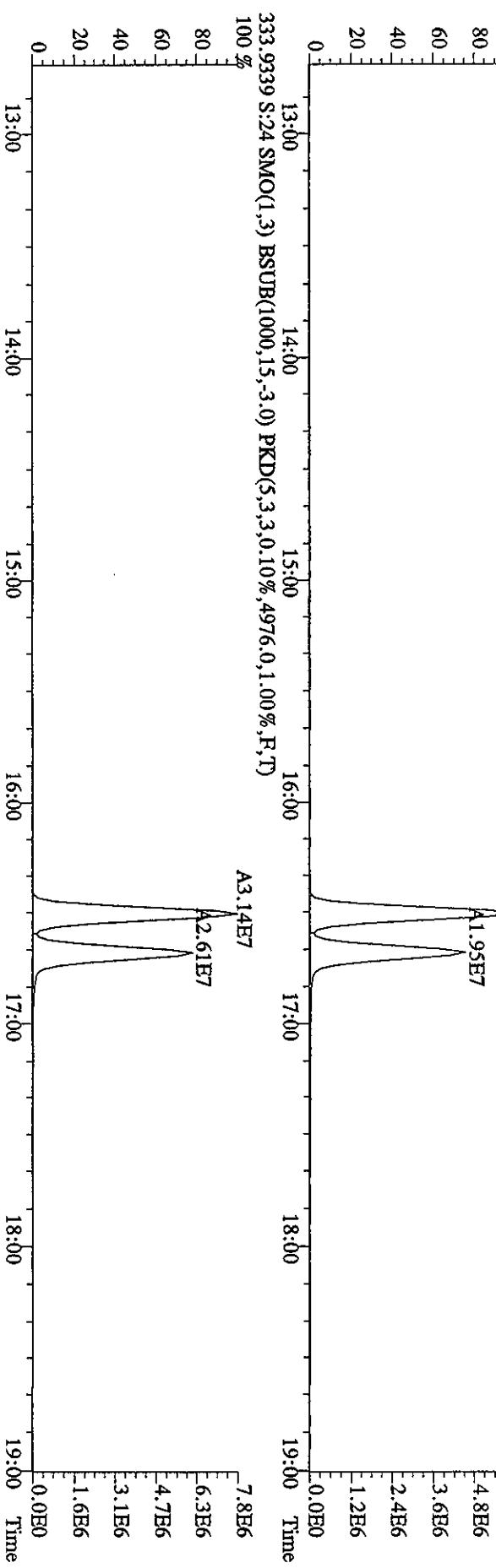
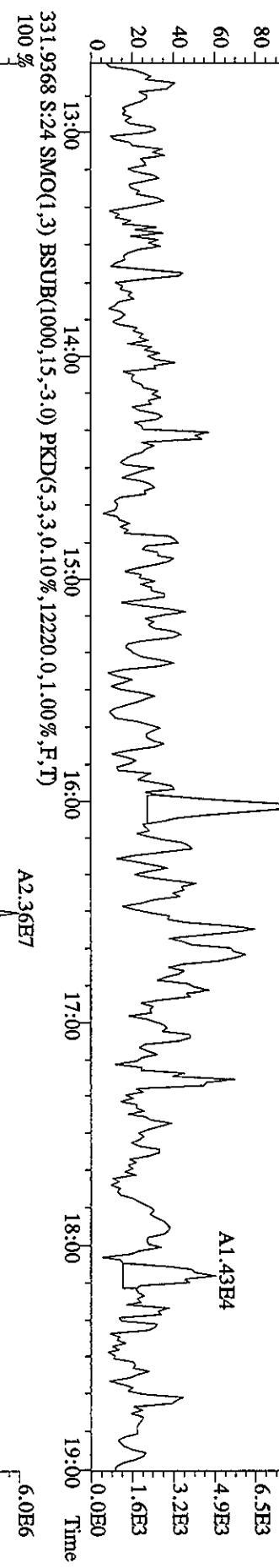
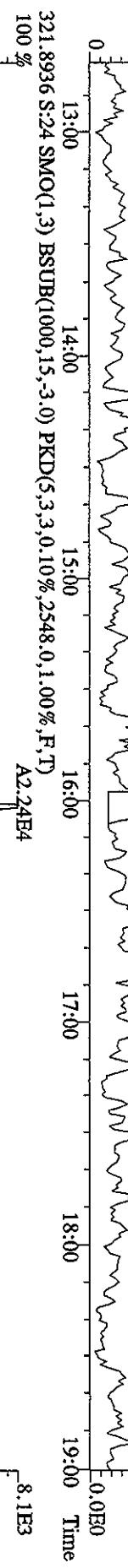
80% 1.3E4

60% 1.0E4

40% 6.7E3

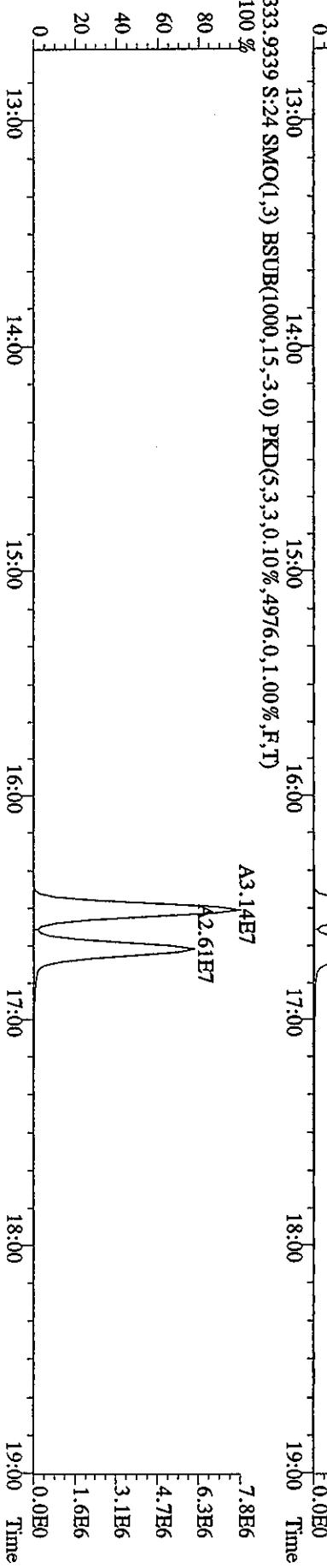
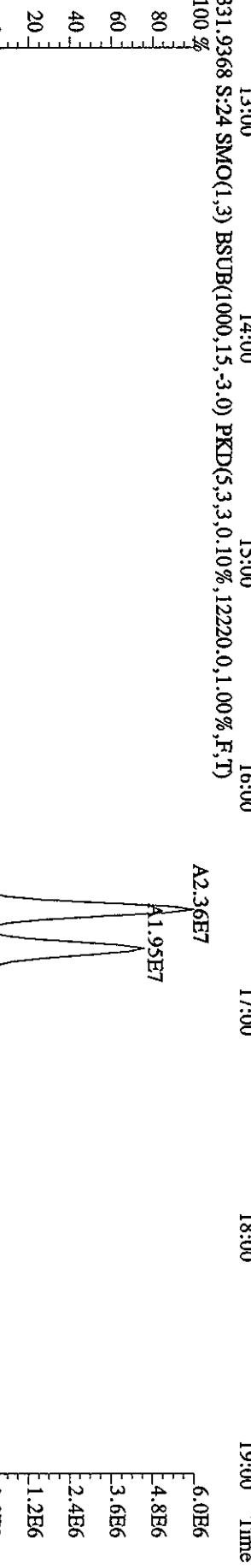
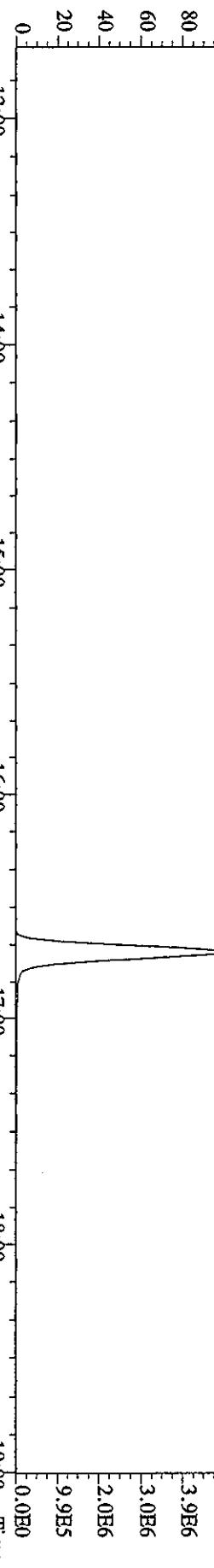
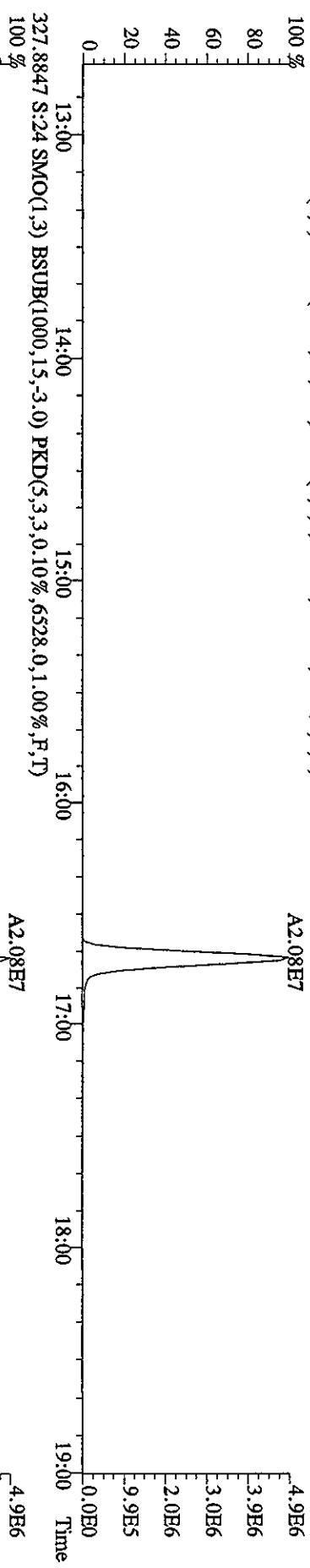
20% 3.3E3

0% 0.0E0

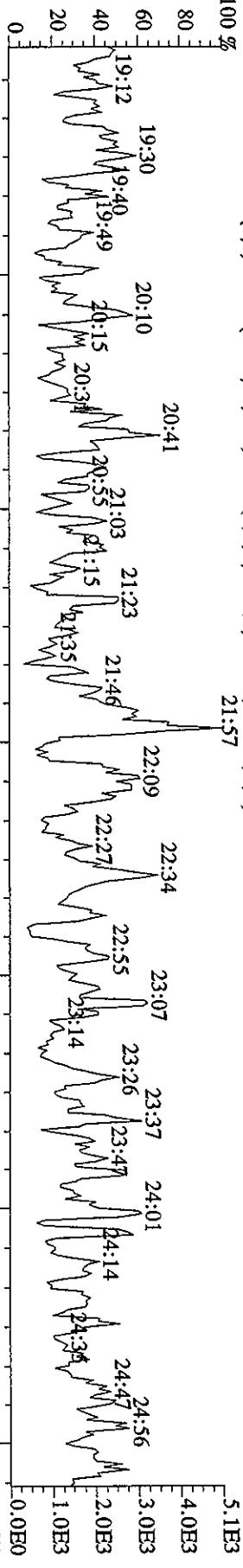


File:25MY06A9D5 #1-439 Acq:26-MAY-2006 13:13:52 GC Bl+ Voltage SIR Autospec-UltimaE
Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN

327.8847 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6528.0,1.00%,R,T,
100 %



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
 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)
 100 % 21:57



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)
 100 % A2.15E4

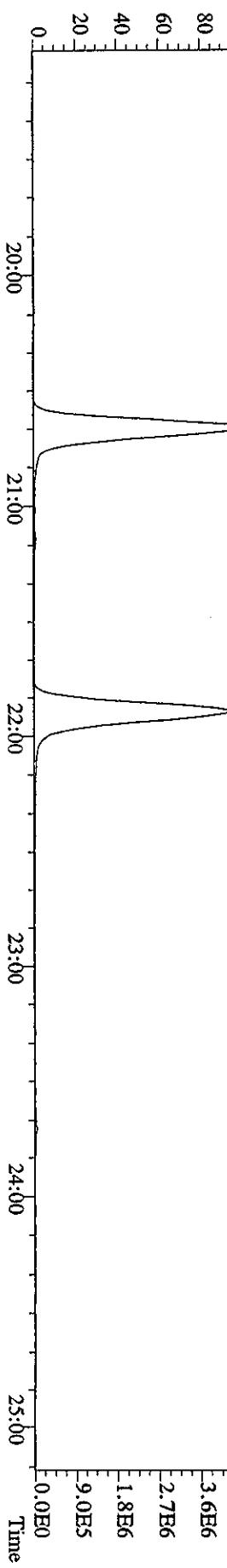
6.1E3
 4.9E3
 3.7E3
 2.4E3
 1.2E3
 0.0E0

351,9000 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9256.0,1.00%,F,T)
 100 % A3.70E7
 A3.73E7

6.7E6
 5.4E6
 4.0E6
 2.7E6
 1.3E6
 0.0E0

353,8970 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5960.0,1.00%,F,T)
 100 % A2.49E7
 A2.50E7

4.5E6
 3.6E6
 2.7E6
 1.8E6
 9.0E5
 0.0E0

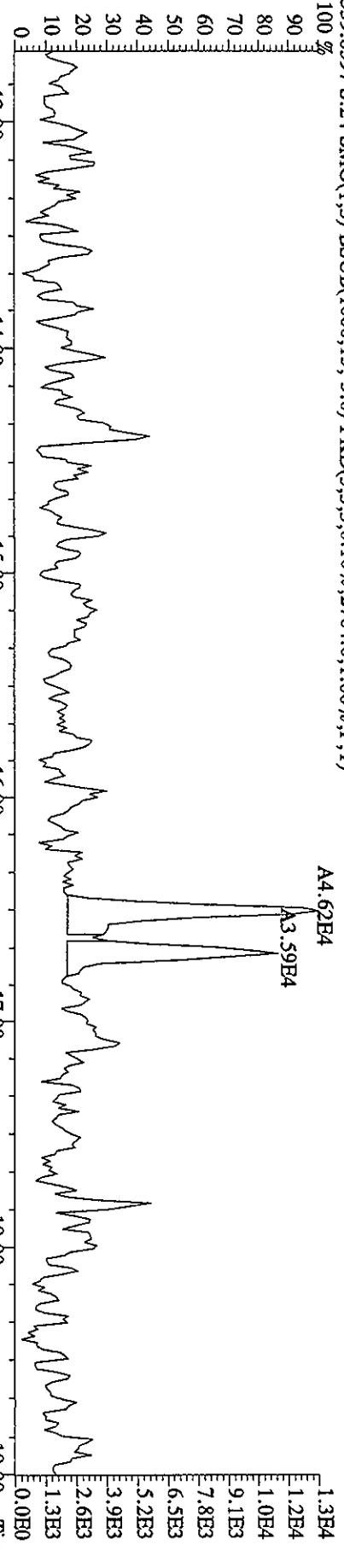


File:25MY06A9D5 #1-439 Acq:26-MAY-2006 13:13:52 GC El+ Voltage SIR Autospec-UltimaE
Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN

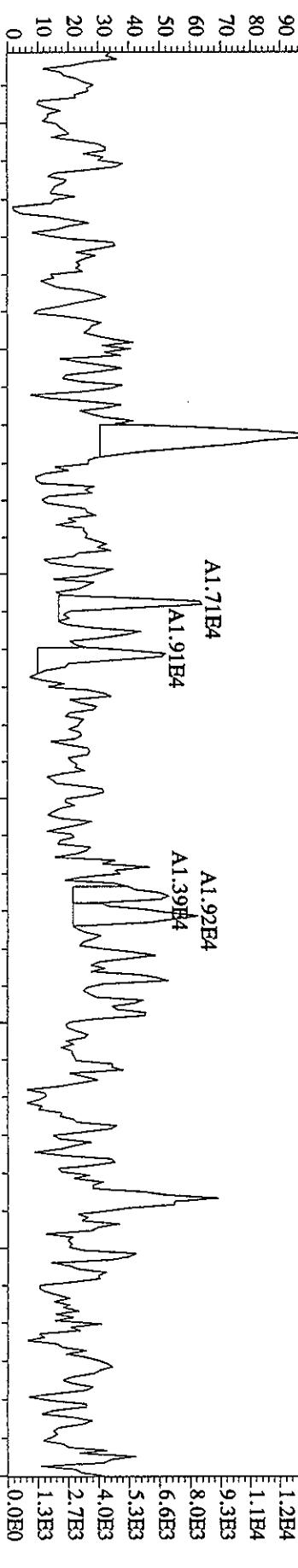
339-8597 S:24 SMO(1 3) BSI/TB(1980 15.-3.0) PKD(S 3 3 3 0 10% 3

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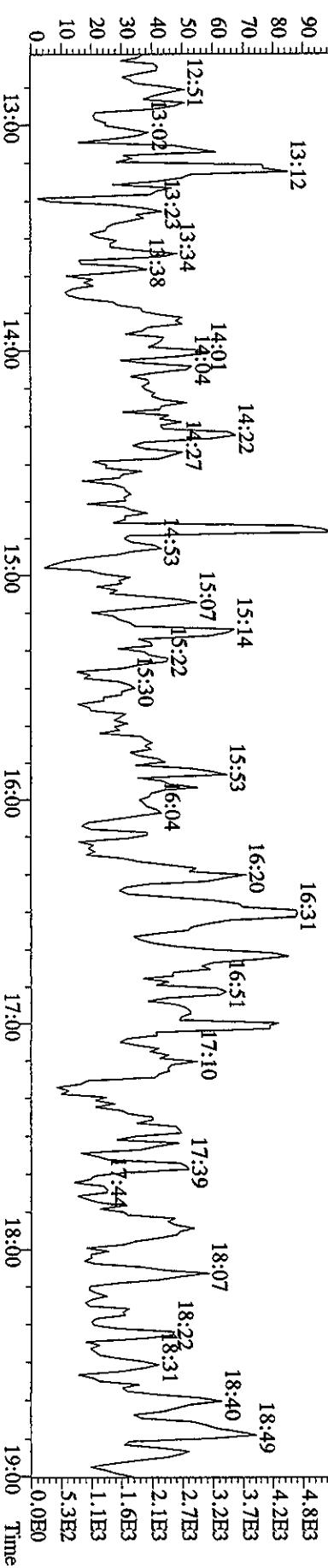
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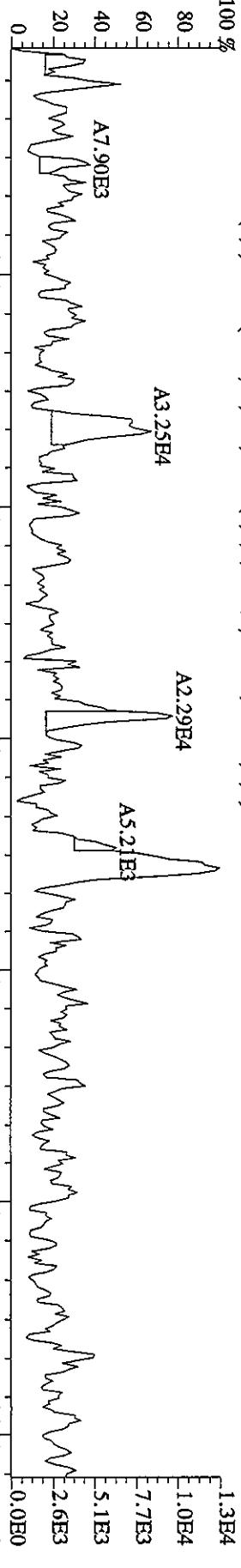
341.8567 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4020,0,1.00%,F,T,T)
100 % A4.27E4



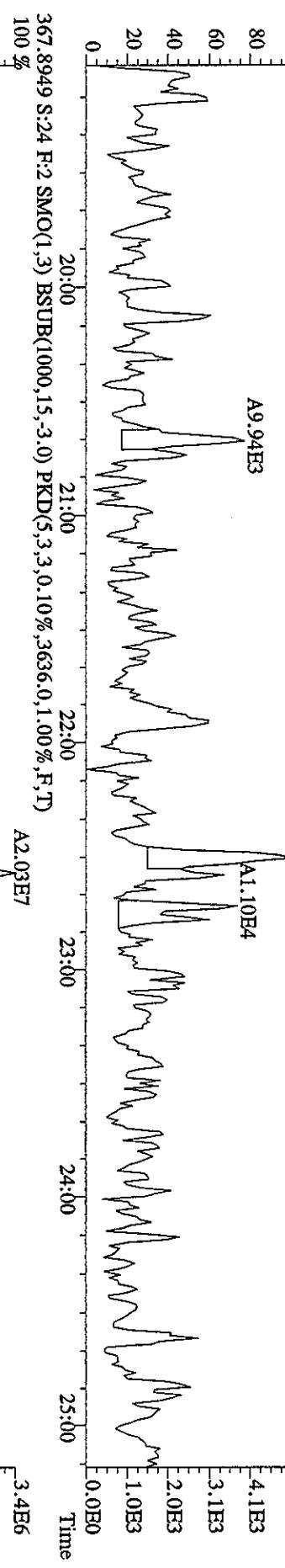
409.7974 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3 10.00%,2420.0,1.00%,F 100 % 14:48



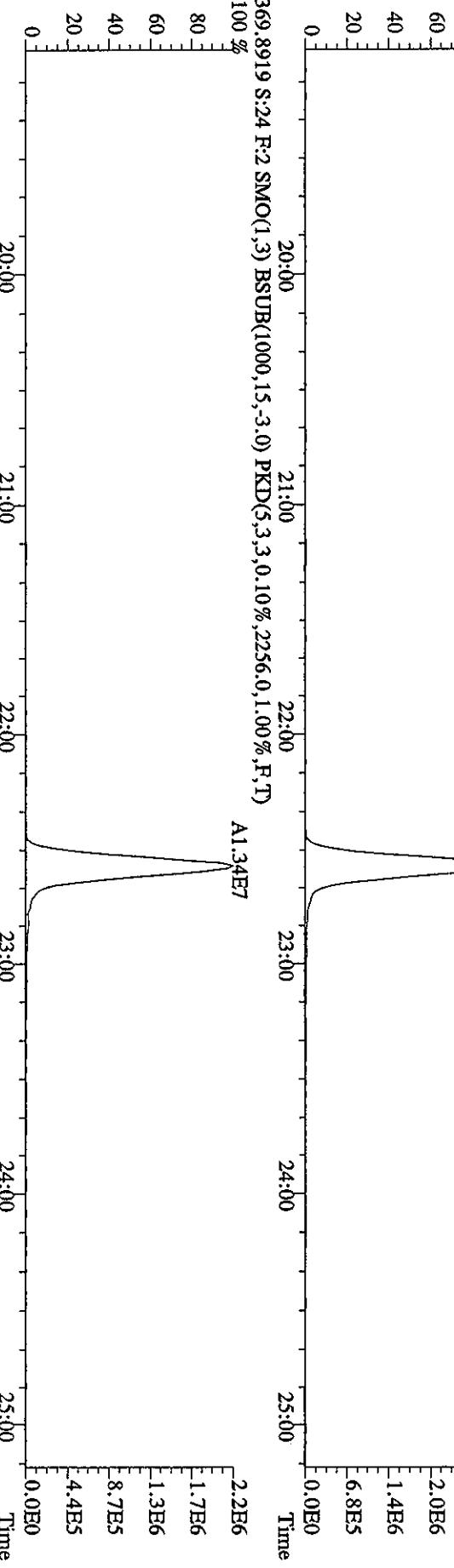
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaE
 Sample:#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN
 355.8546 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3420.0,1.00%,F,T)
 100 %



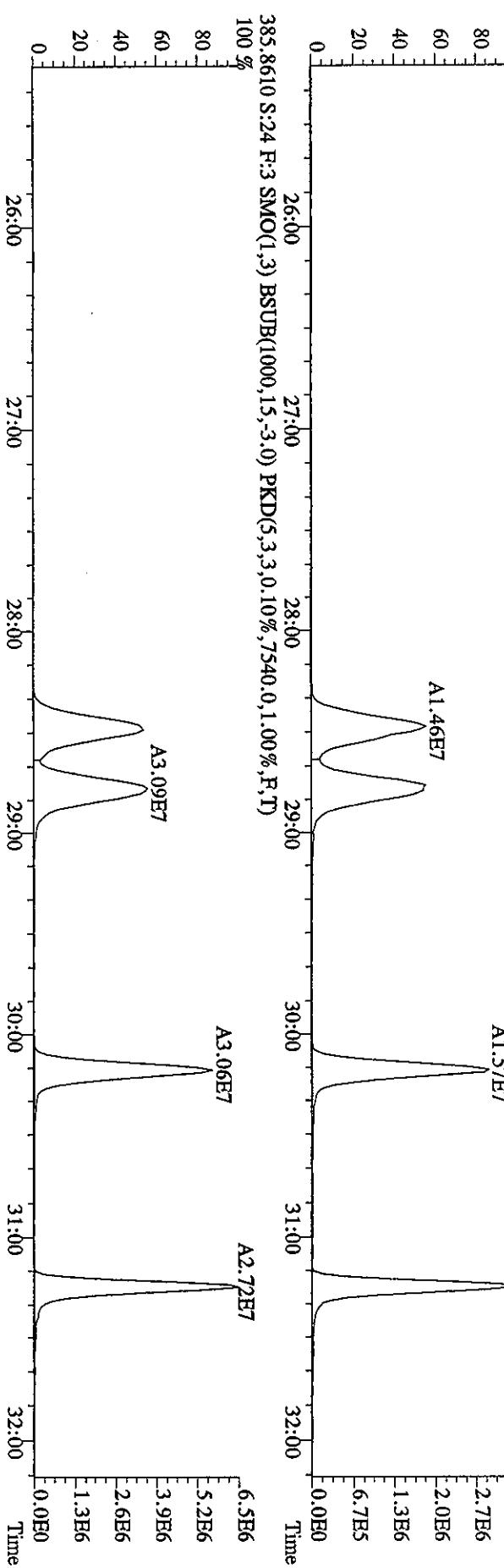
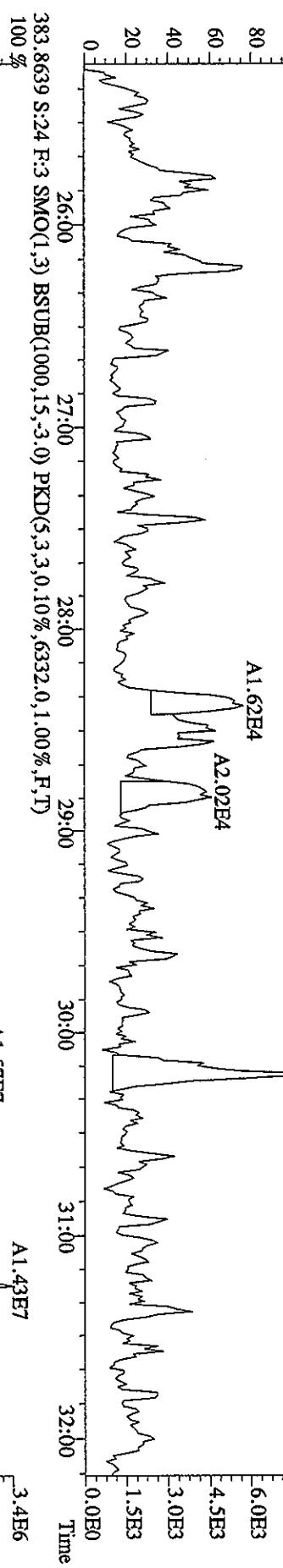
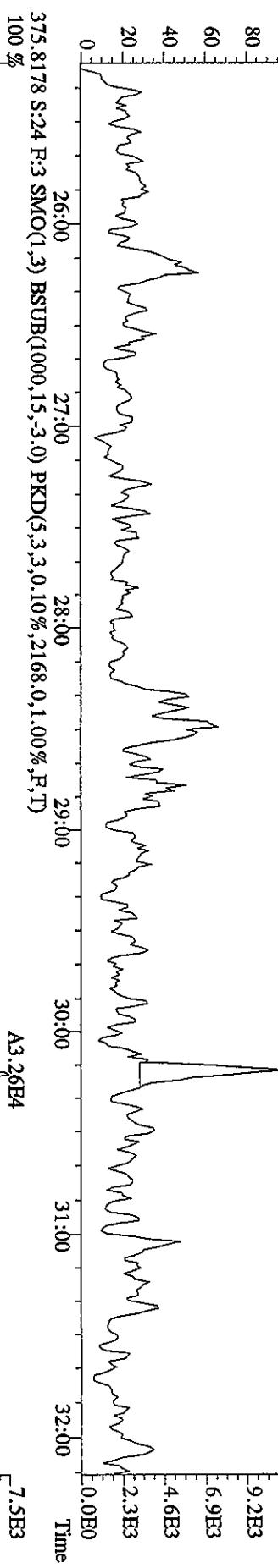
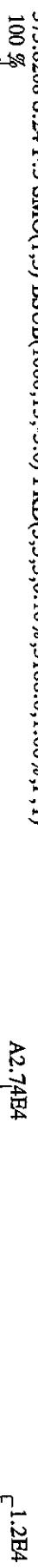
357.8516 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1568.0,1.00%,F,T) A1.21E4
 100 %
 80
 60
 40
 20
 0



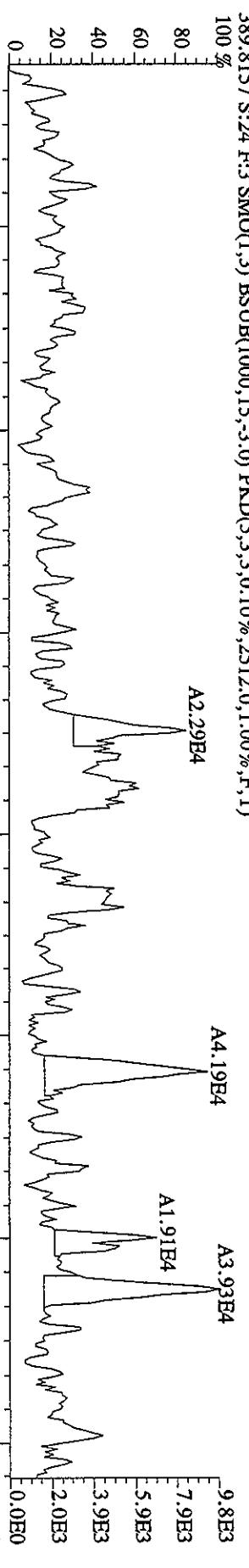
367.8949 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636.0,1.00%,F,T) A1.34E7
 100 %



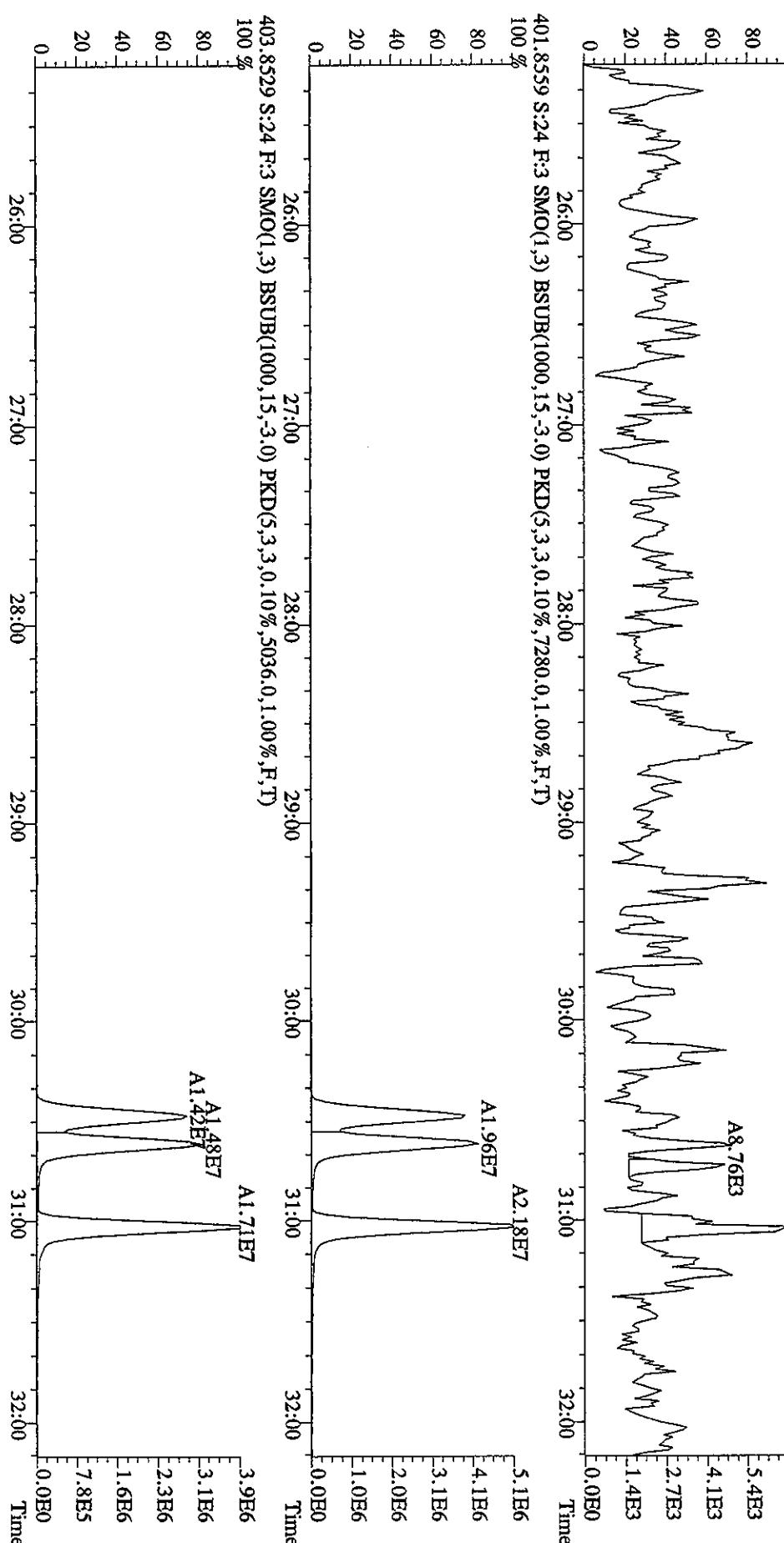
Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN
 373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3188.0,1.00%,F,T)



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)

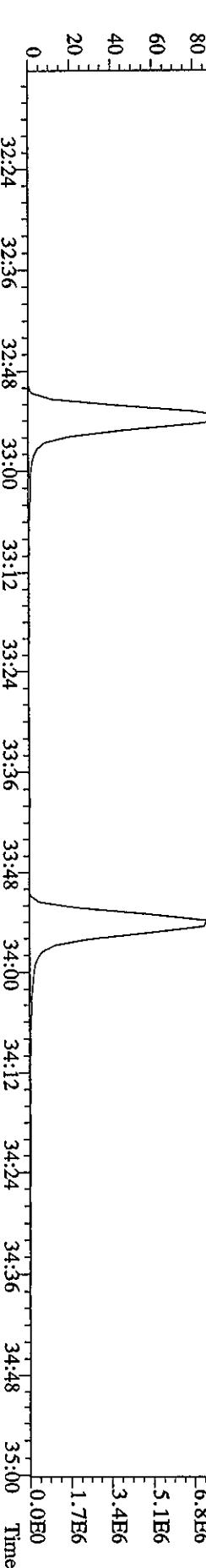
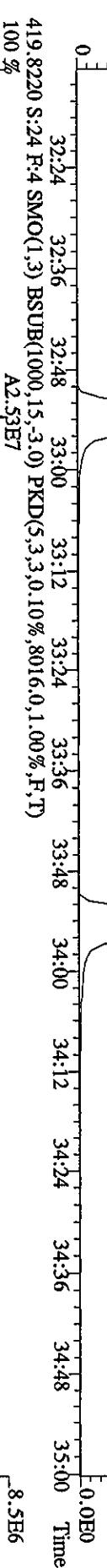
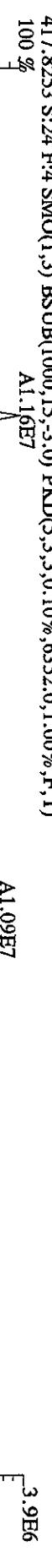
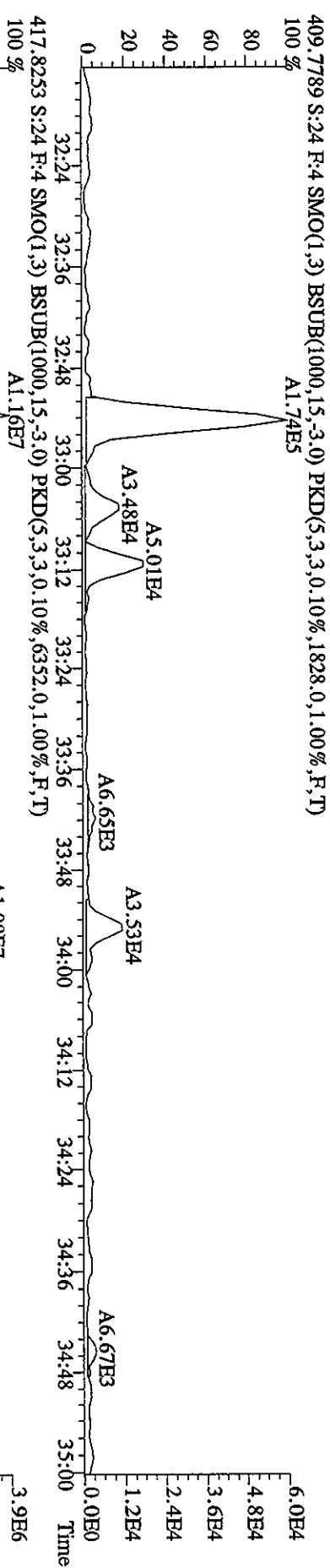
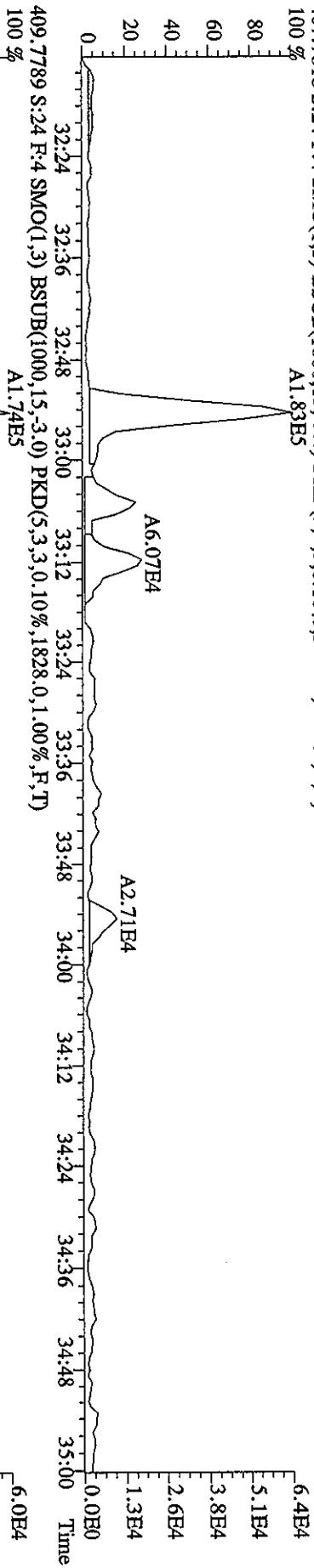


391.8127 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2900.0,1.00%,F,T)

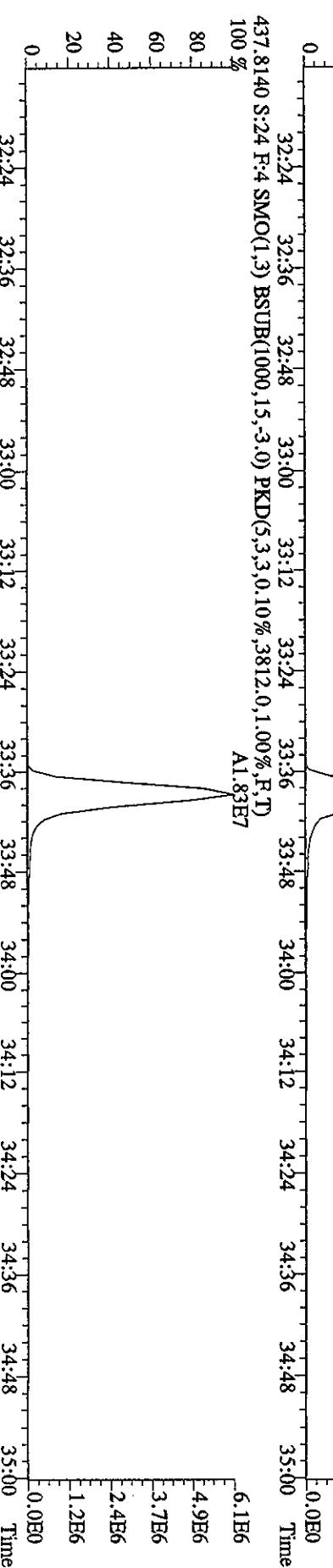
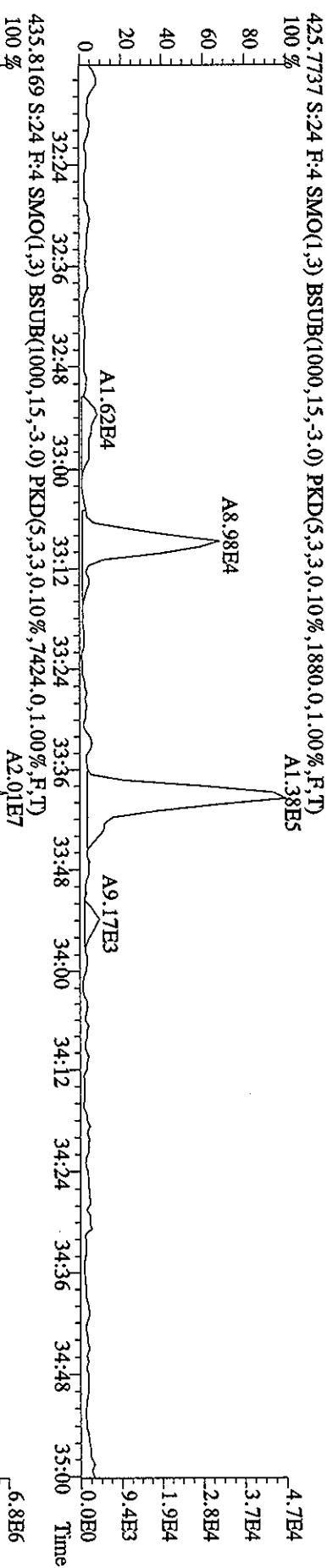
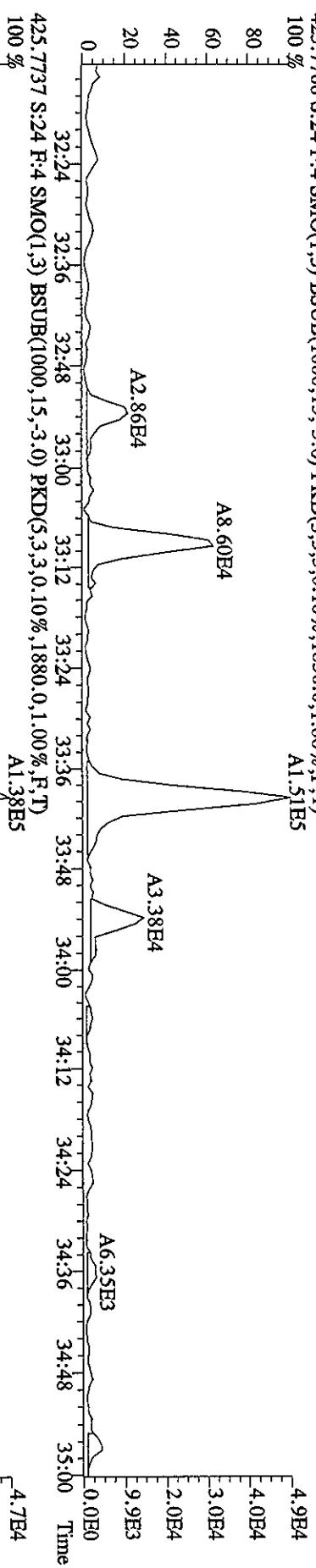


401.8559 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7280.0,1.00%,F,T)

File:23MY06A9D5 #1-224 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#24 Tex: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



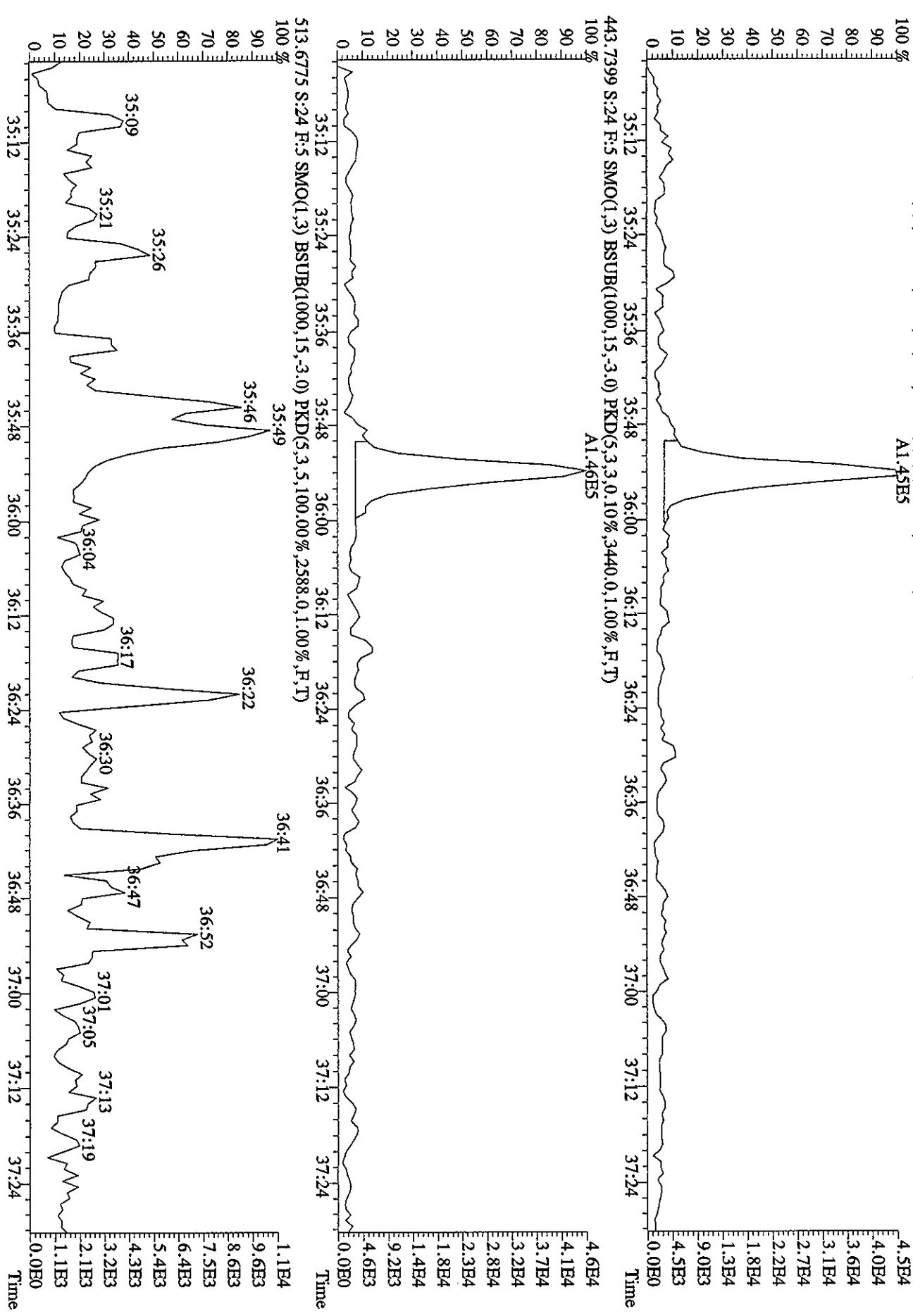
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 13:13:52 GC El+ Voltage SIR Autospec-UltimaE
 Sample:S:24 Text:I:H5169-1-AA Exp:DIOXIN
 423.7766 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1836.0,1.0%,F,T)
 100 % A1.51E5
 4.9E4
 4.0E4
 3.0E4
 2.0E4
 1.9E4
 9.9E3
 0.0E0



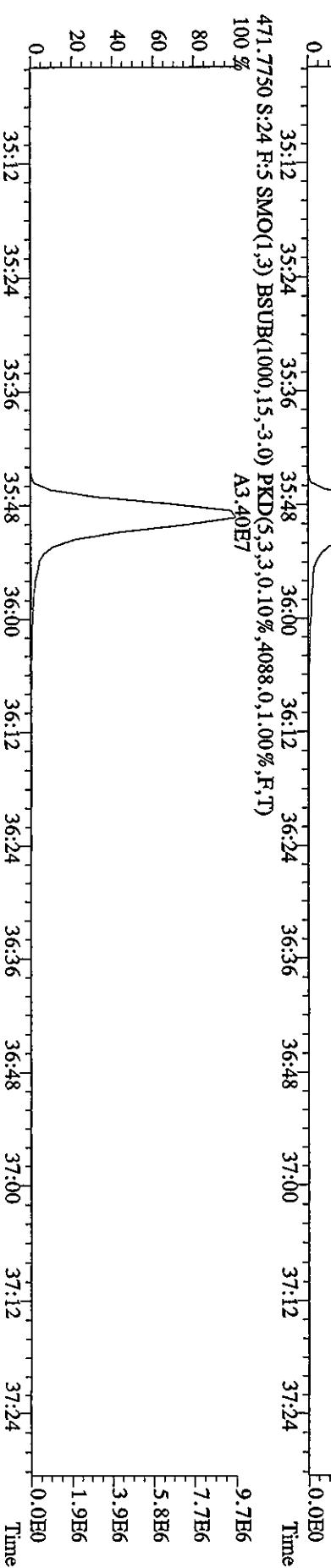
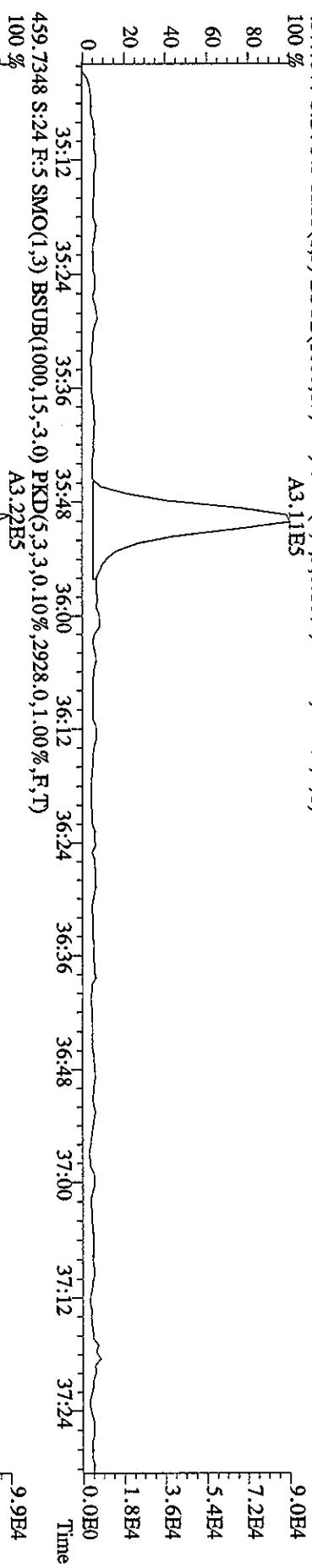
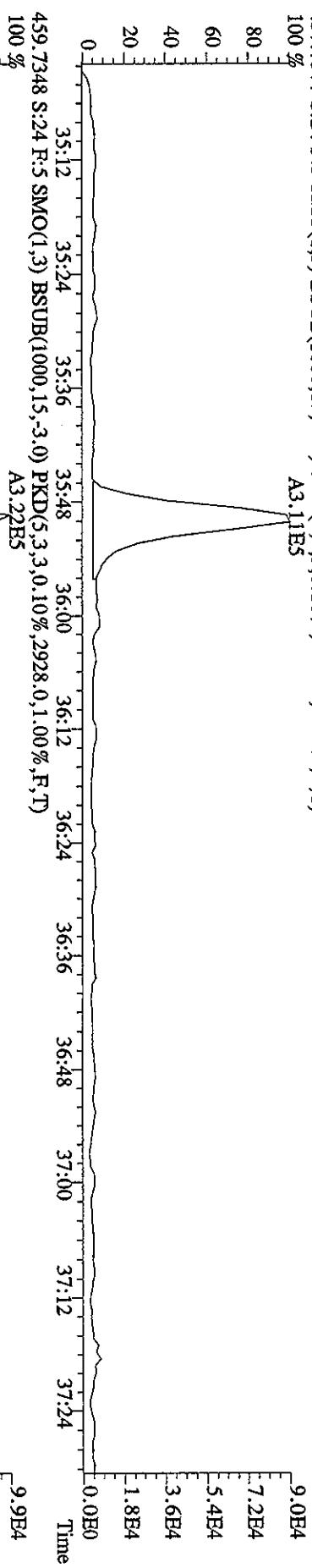
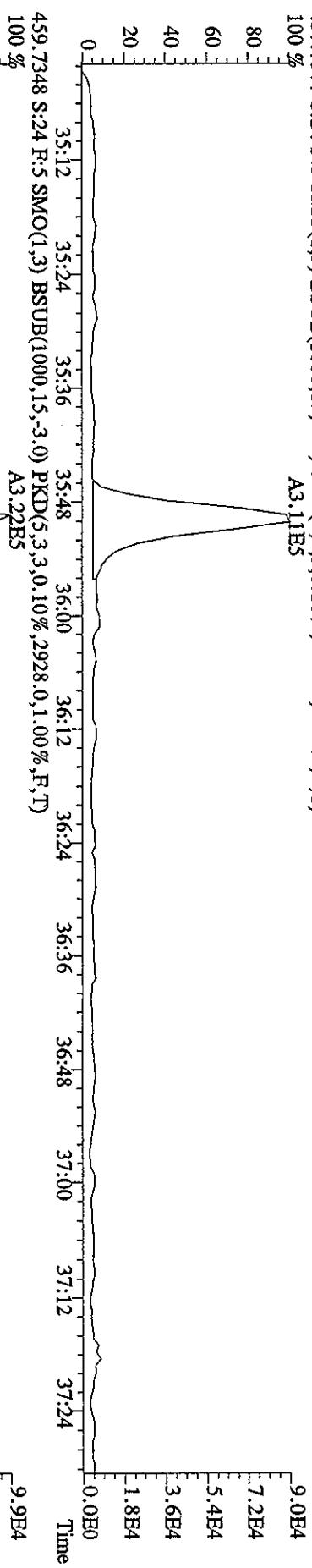
File:25MY06A9D5 #1-201 Acq:26-MAY-2006 13:13:52 GC El+ Voltage SIR Autospec-UltimaE
Sample#24 Text:H5169-1-AA :G6E230000-628B Exp:DIOXIN

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 25



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaE
 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)
 100 % A3.11E5



File:25MY06A9D5 #1439 Acq:26-MAY-2006 13:13:52 GC EI+ Voltage SIR Autospec-UltimaE

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

292.9825 S:24 SMO(1,3) PKD(5,3,5,100.00%,0,0,1.00%,F,T)

100 % 14:03 14:41 15:03 15:28 15:49 16:16 16:44 17:53 18:18 18:44 1:3E8

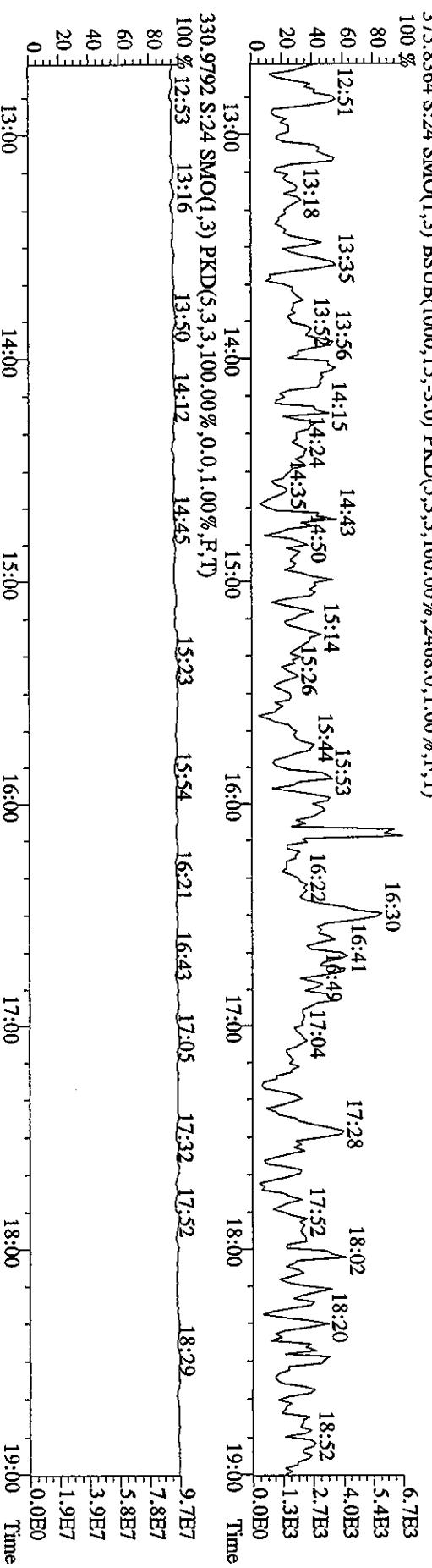
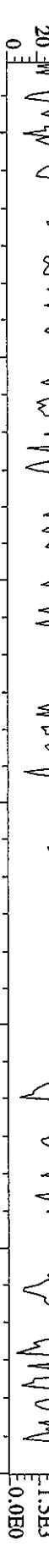
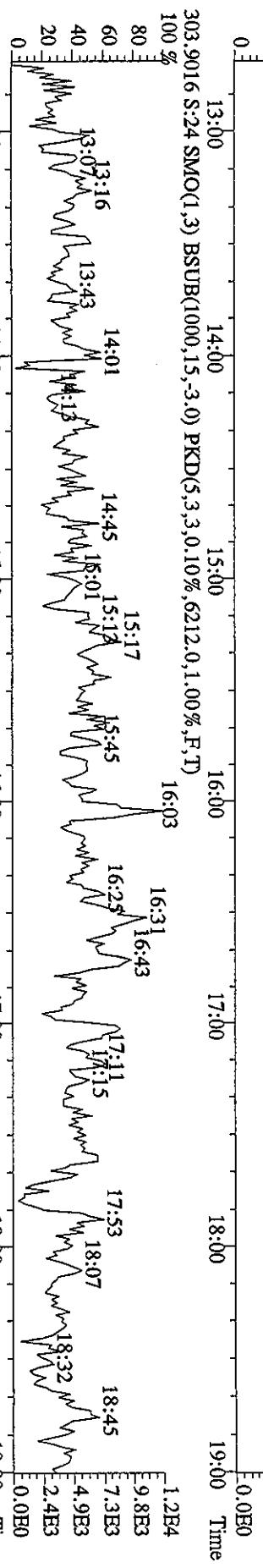
80 1:1E8 8:0E7 5:3E7 2:7E7 0.0E0

60 1:1E8 8:0E7 5:3E7 2:7E7 0.0E0

40 1:1E8 8:0E7 5:3E7 2:7E7 0.0E0

20 1:1E8 8:0E7 5:3E7 2:7E7 0.0E0

0 1:1E8 8:0E7 5:3E7 2:7E7 0.0E0



Sample:t24 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)

100 % 19:21 19:48 20:15 20:35 21:03 21:31 21:51 22:23 22:58 23:33 24:06 24:40

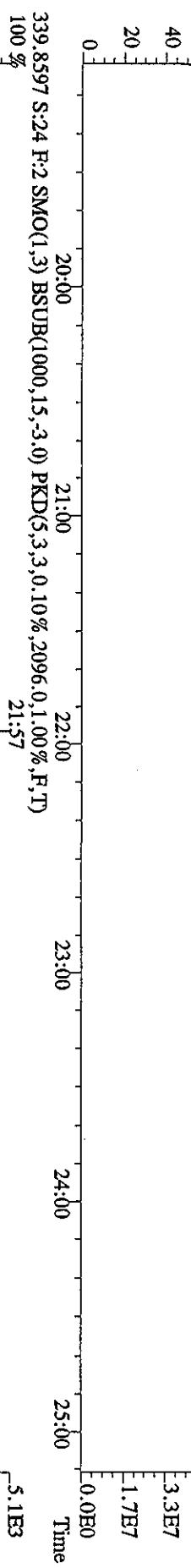
80 6.7E7

60 5.0E7

40 3.3E7

20 1.7E7

0 0.0E0



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)

100 % 21:57 5.1E3

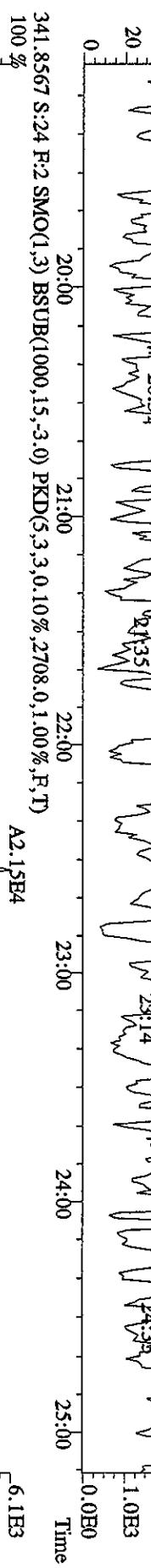
80 4.0E3

60 3.0E3

40 2.0E3

20 1.0E3

0 0.0E0



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)

100 % A2.15E4 6.1E3

80 4.9E3

60 3.7E3

40 2.4E3

20 1.2E3

0 0.0E0



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)

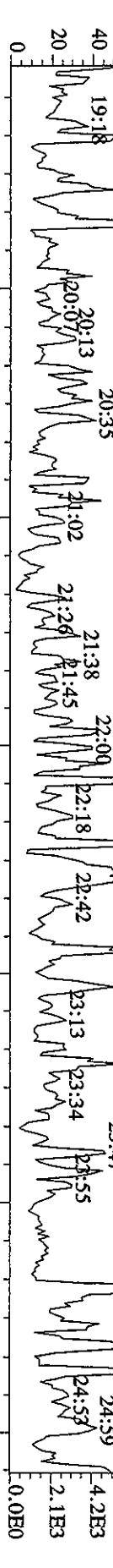
100 % 19.44 1.0E4

80 8.4E3

60 6.3E3

40 4.2E3

20 2.1E3



100 % 20:07 21:26 22:25 22:35 22:54 23:47 24:59 25:55 0.0E0

80 6.7E7

60 5.0E7

40 3.3E7

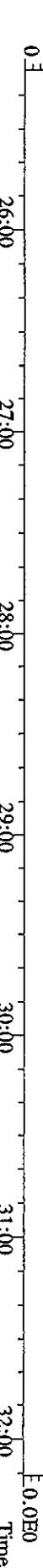
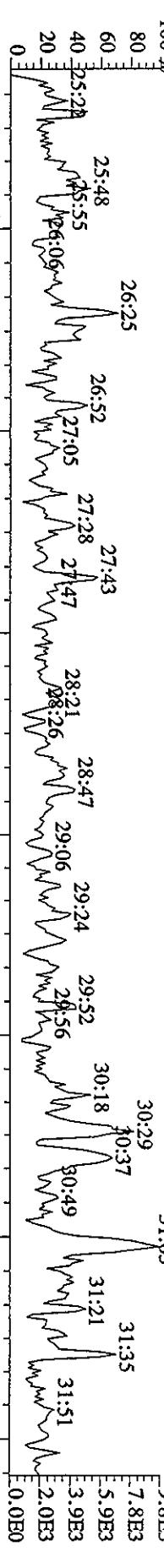
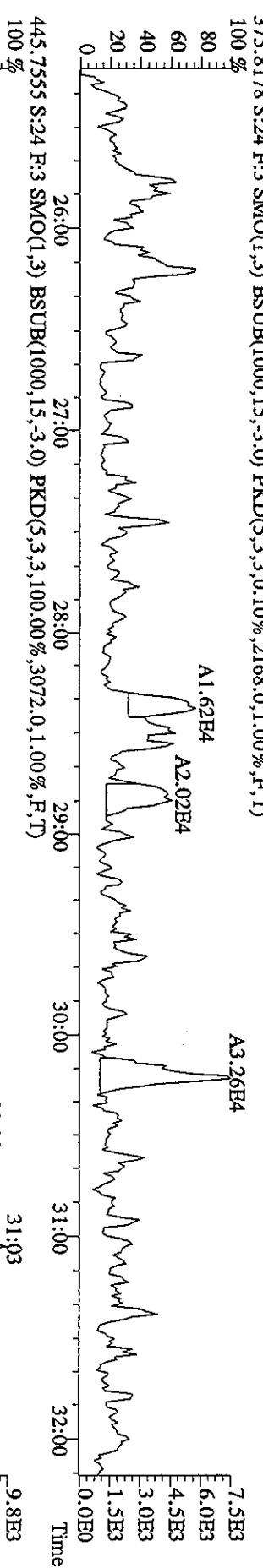
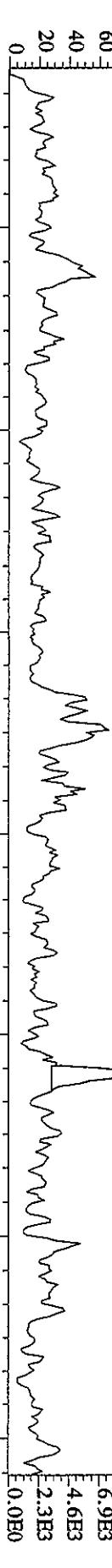
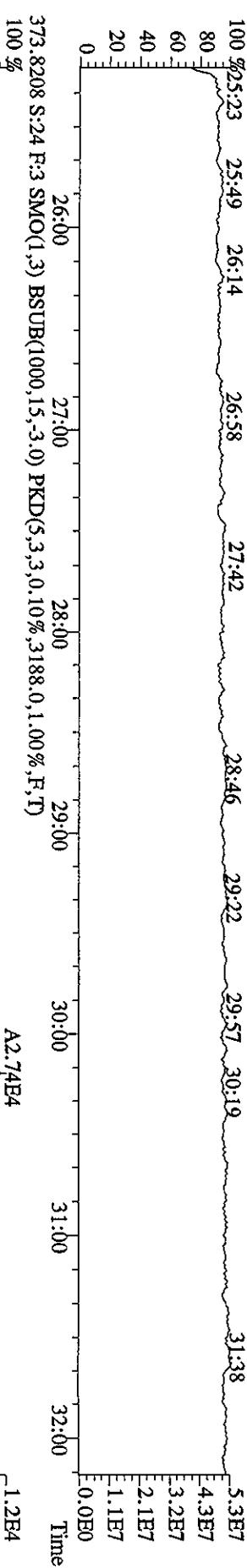
20 1.7E7

0 0.0E0

File:25M06A9D5 #1-528 Acq:26-MAY-2006 13:13:52 GC El+ Voltage SIR Autospec-UltimaESI

Samp#24 Text#3169-1-AA .308E230000-028B Exp:DIOM

100% 25:23 25:49 26:14 26:58 27:42



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

430.9728 S:24 F:4 SMO(1,3) PKD(5,3,3,100.00%,0,0,1,00%,F,T)

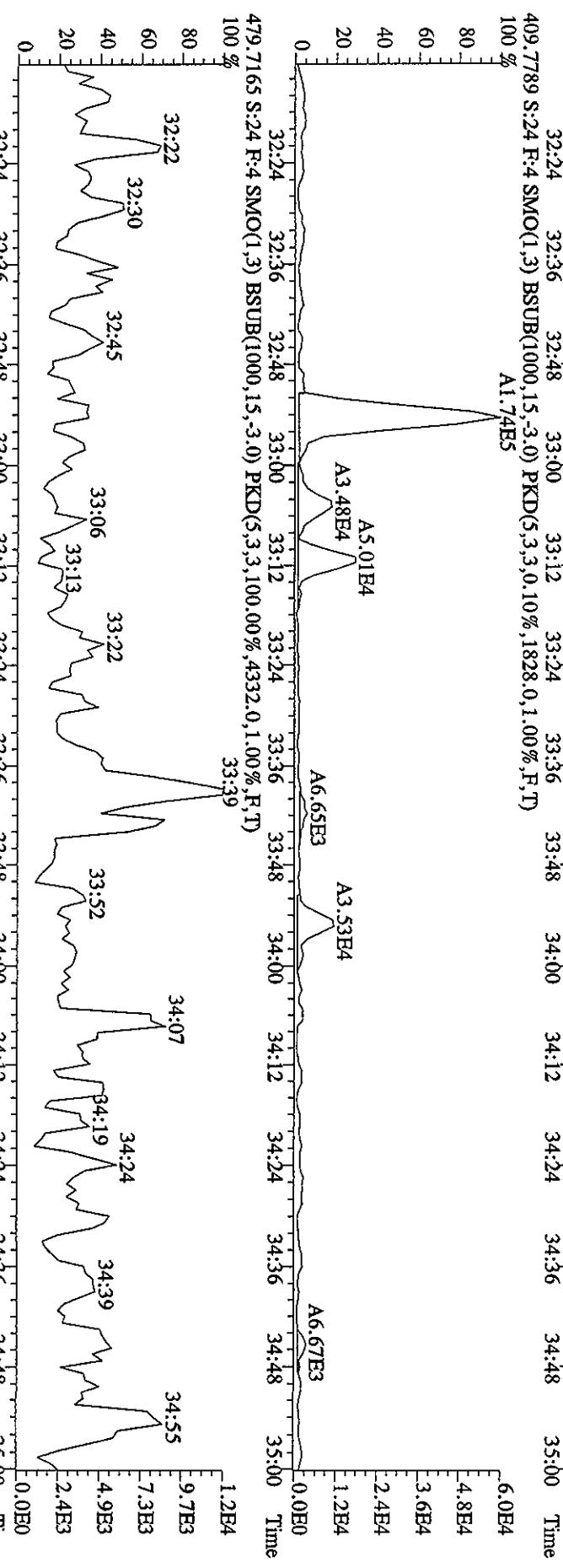
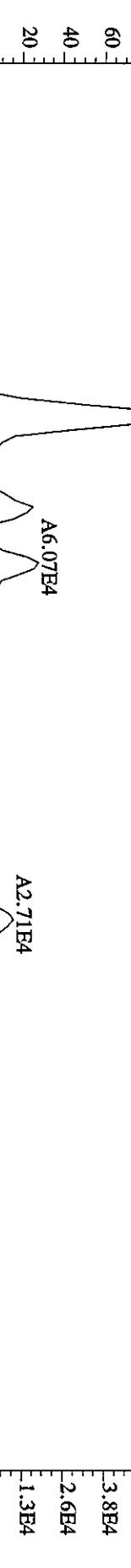
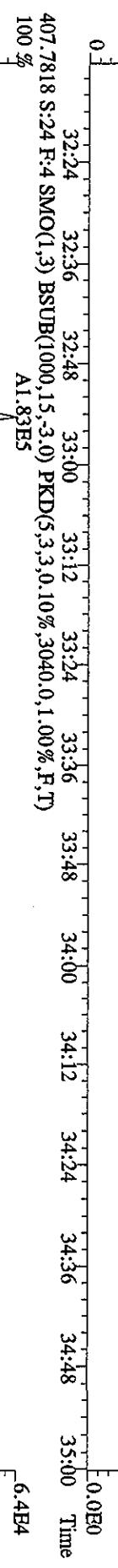
100 % 32:21 32:33 32:51 33:00 33:11 33:30 33:56 34:08 34:30 34:39 34:49 4.6E7

80 % 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

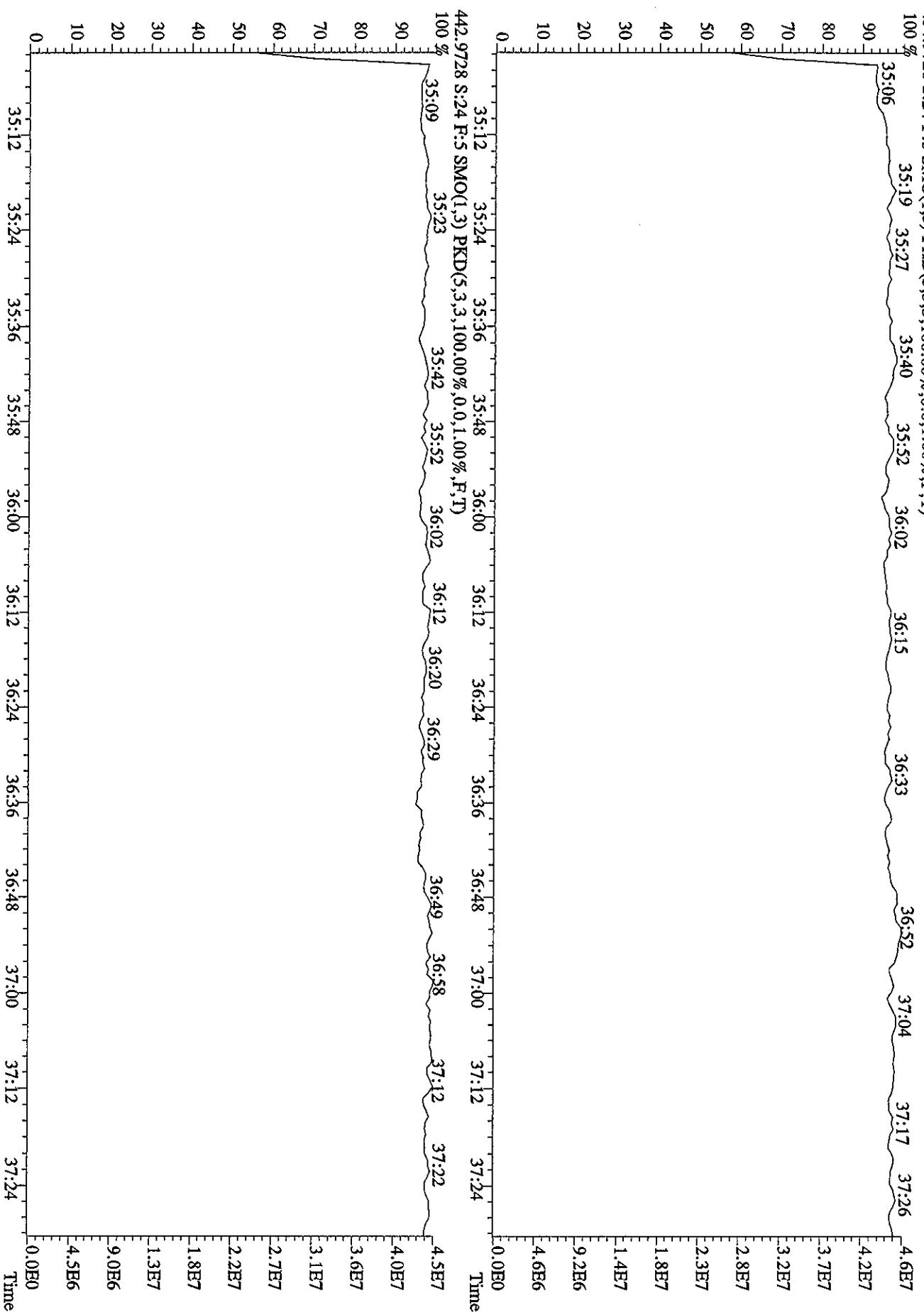
60 % 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

40 % 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

20 % 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 13:13:52 GC El+ Voltage SIR Autospec-UltimaE
Sample#24 Tex:H5169-1-AA :66E23000-628B Fxn:DIOXIN



Quantitation Summary

STL

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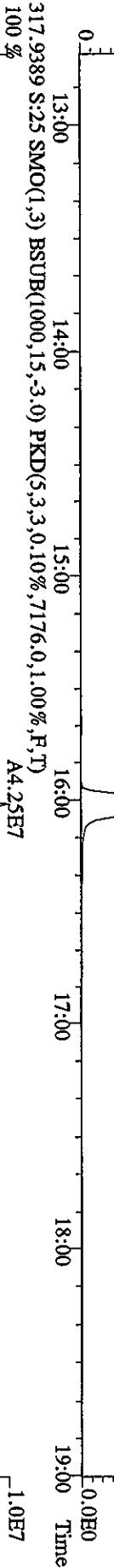
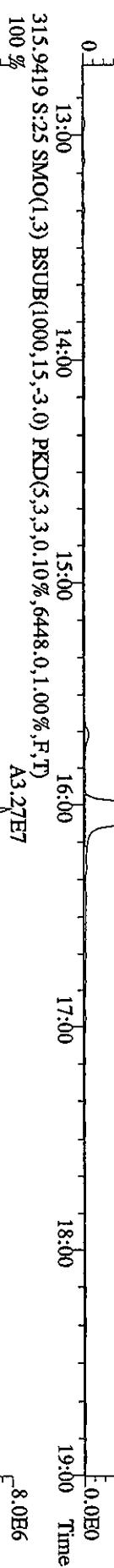
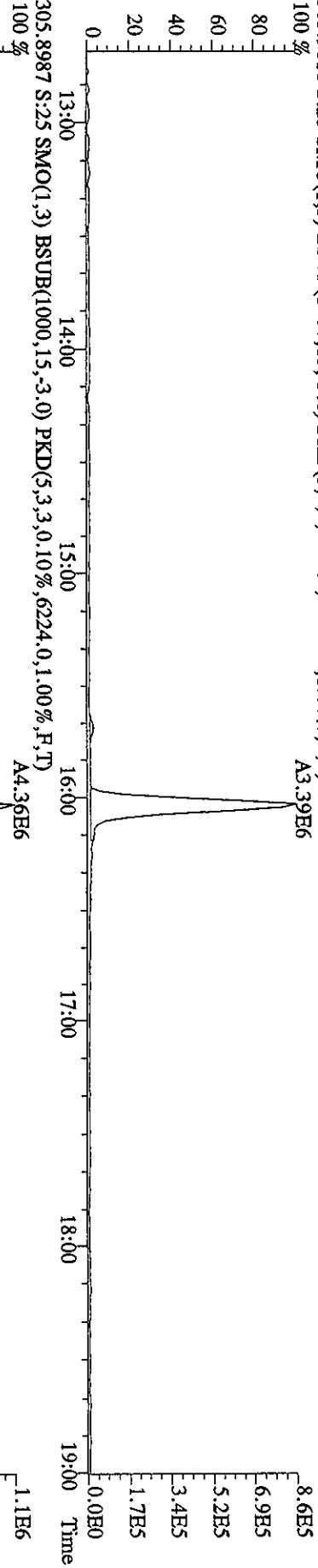
~~H5169-1-AC~~

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 SIR Autospec-UltimaE
 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
 8.6E5
 6.9E5
 5.2E5
 3.4E5
 1.7E5



File:2SMY06A9D5 #1439 Acq:26-MAY-2006 13:55:28 GC El+ Voltage SIR Autospec-UltimaE

Sample:#25 Text:H5169-1-AC 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)

100 %

A2.62E6

5.9E5

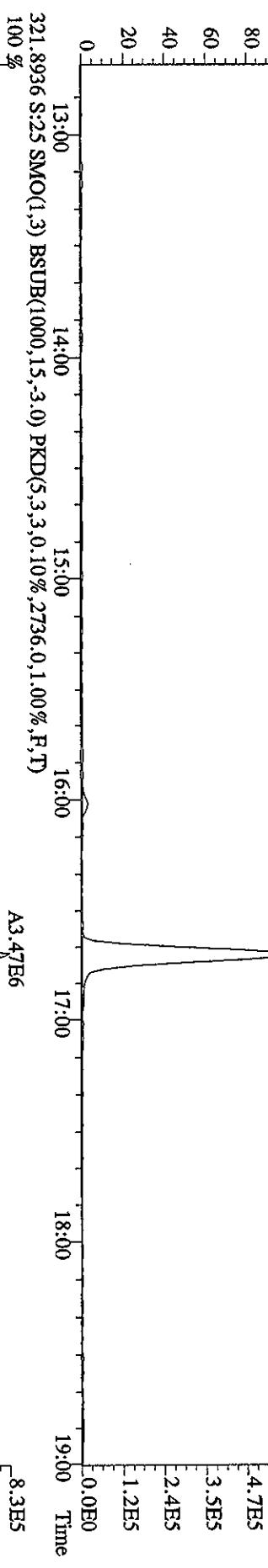
-4.7E5

-3.5E5

-2.4E5

-1.2E5

0.0E0



331.9368 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11152.0,1.00%,F,T)

100 %

80

60

40

20

0

13:00 14:00 15:00 16:00 17:00 18:00 19:00 Time

A2.41E7

A2.01E7

6.1E6

4.8E6

3.6E6

2.4E6

1.2E6

0.0E0

333.9339 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5468.0,1.00%,F,T)

100 %

80

60

40

20

0

13:00 14:00 15:00 16:00 17:00 18:00 19:00 Time

A3.16E7

A2.64E7

7.9E6

6.4E6

4.8E6

3.2E6

1.6E6

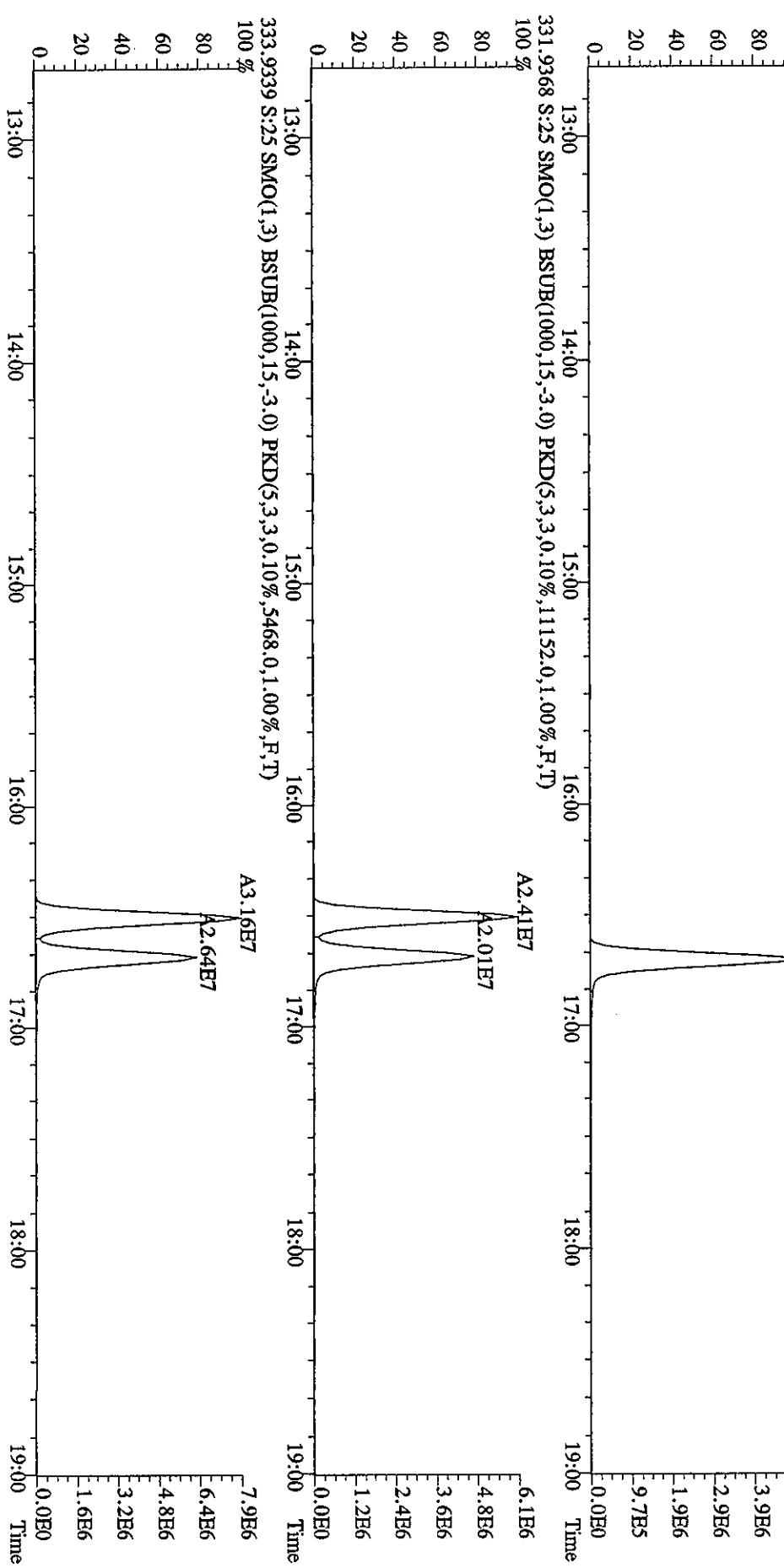
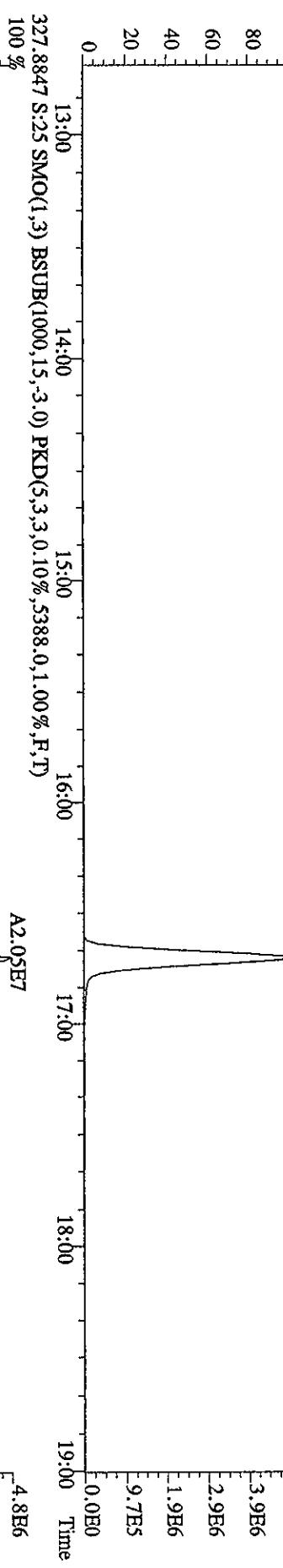
0.0E0

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)

100 %
80
60
40
20
0

A2.05E7

4.8E6
3.9E6
2.9E6
1.9E6
9.7E5



Sample#25 Text:H5169-1AC :G6EB230000-628C 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)

100 % A1.85E7 A1.94E7

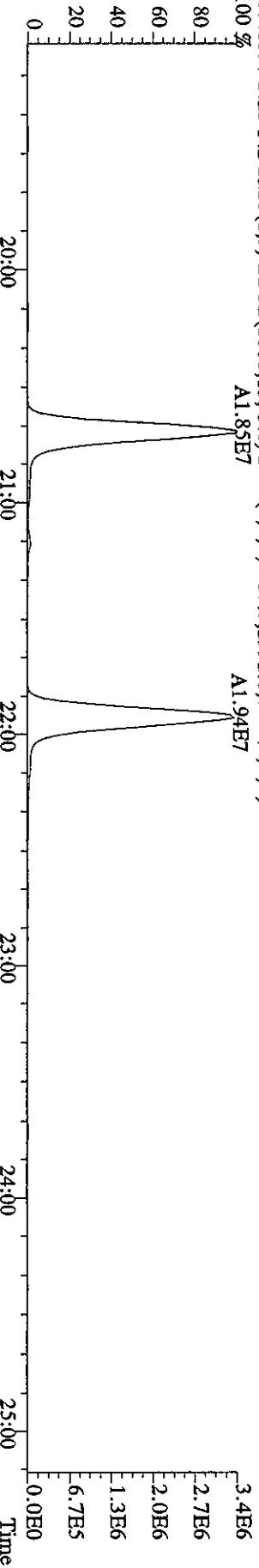
3.4E6

2.7E6

2.0E6

1.3E6

6.7E5



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)
A3.78E7 A3.91E7

100 %

80

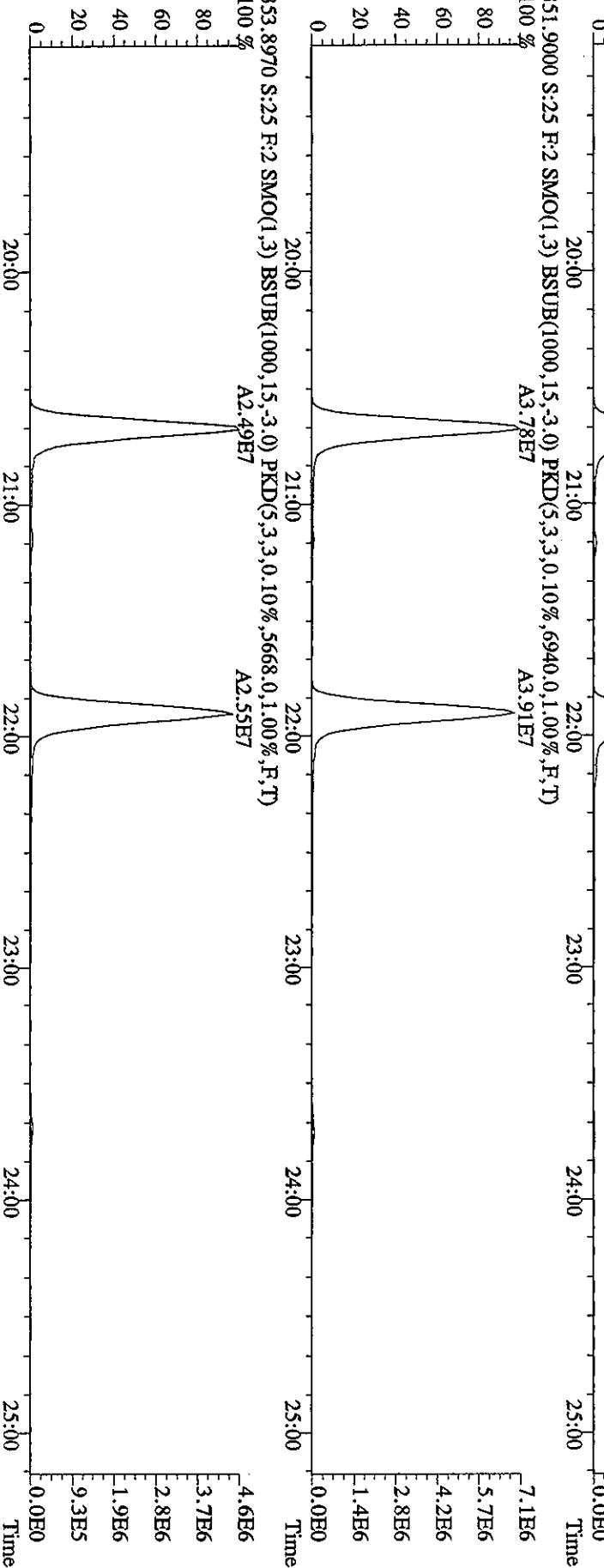
60

40

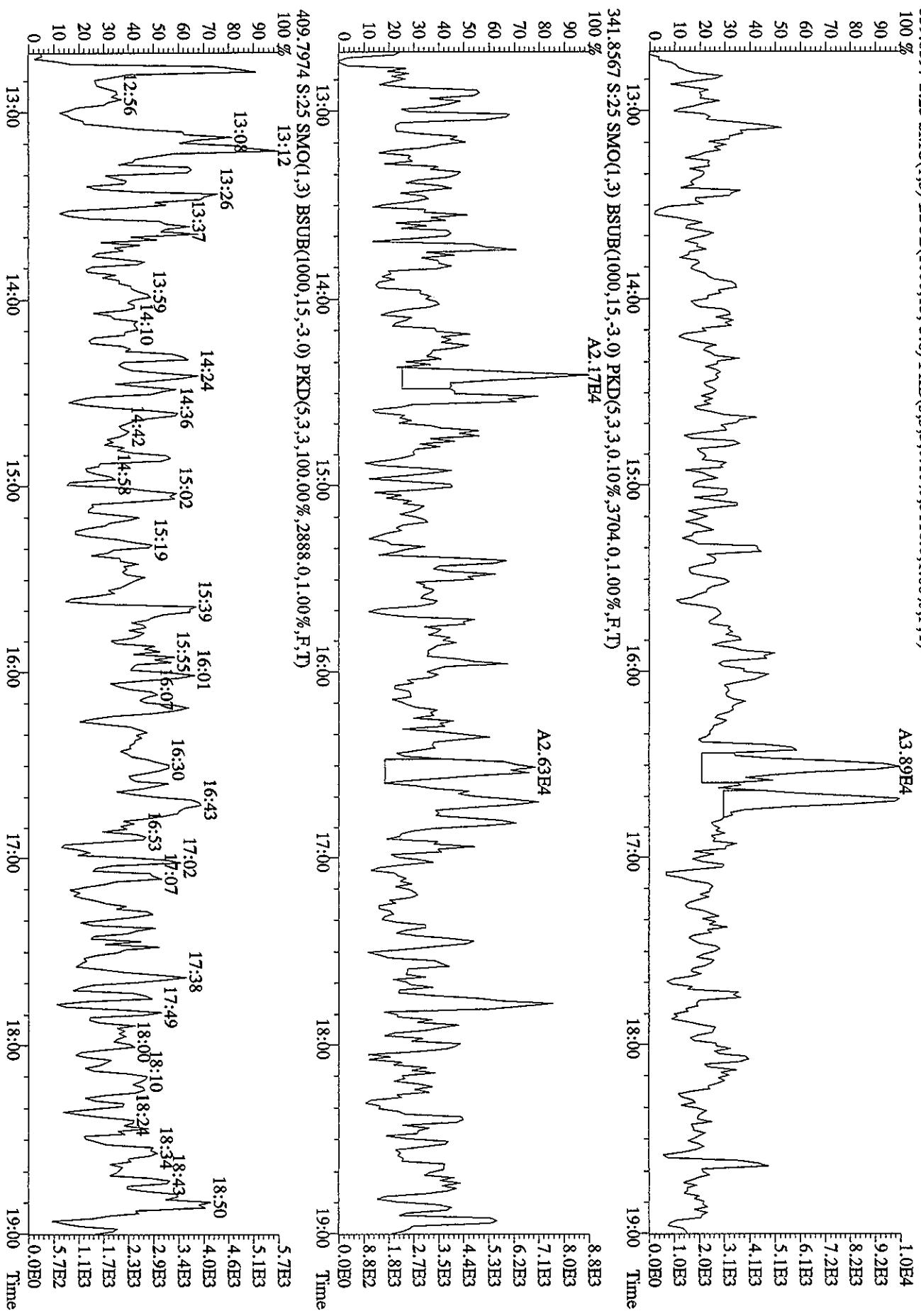
20

0

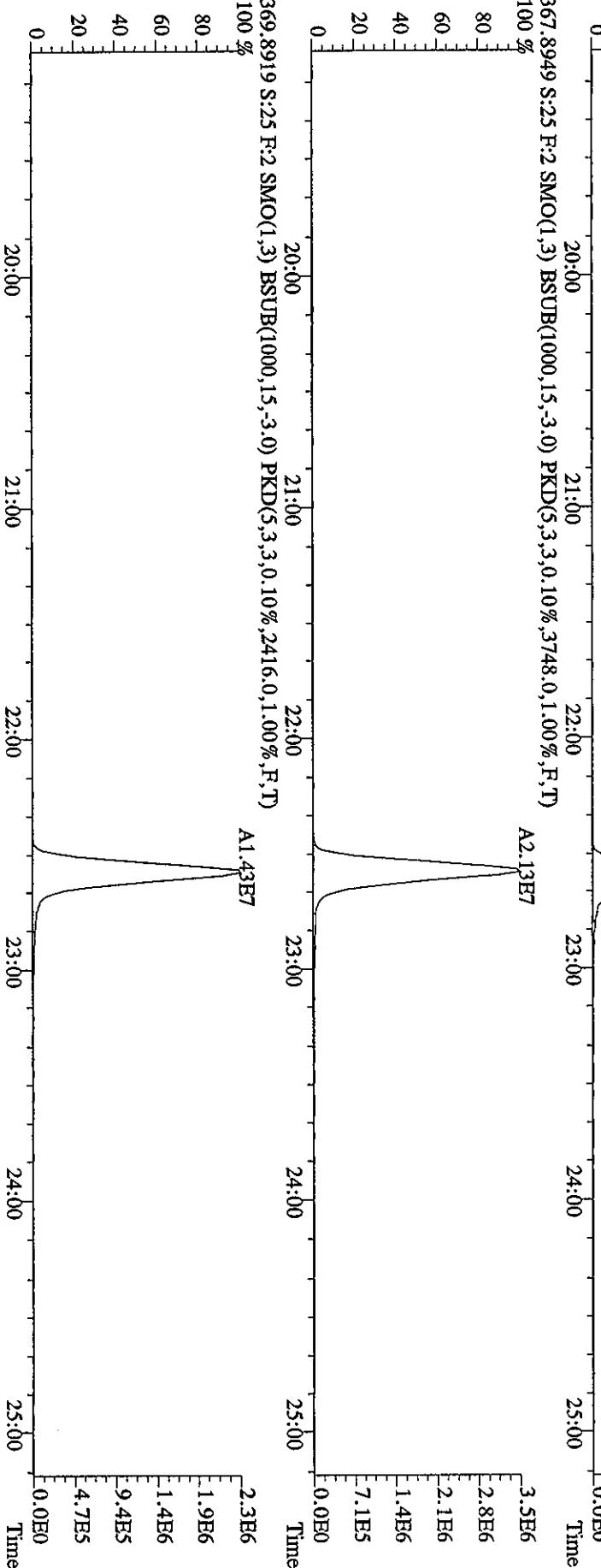
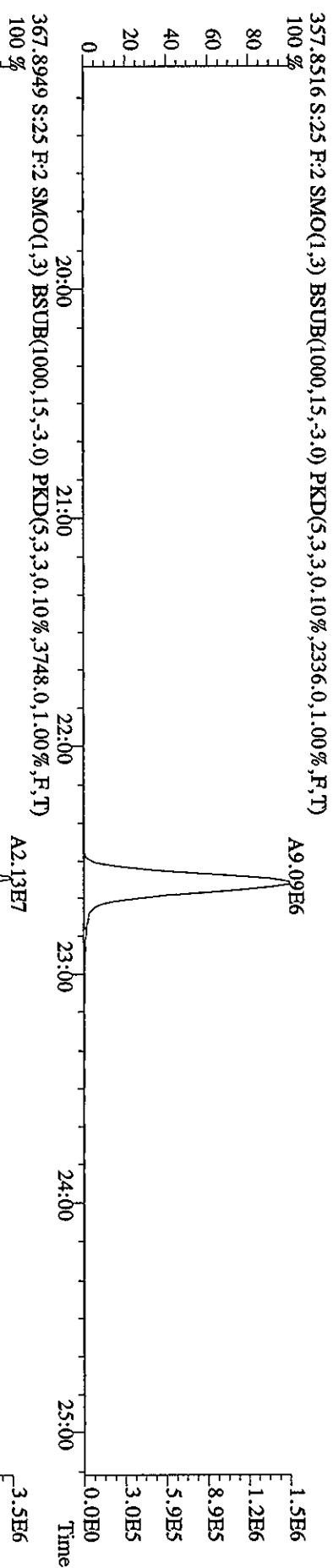
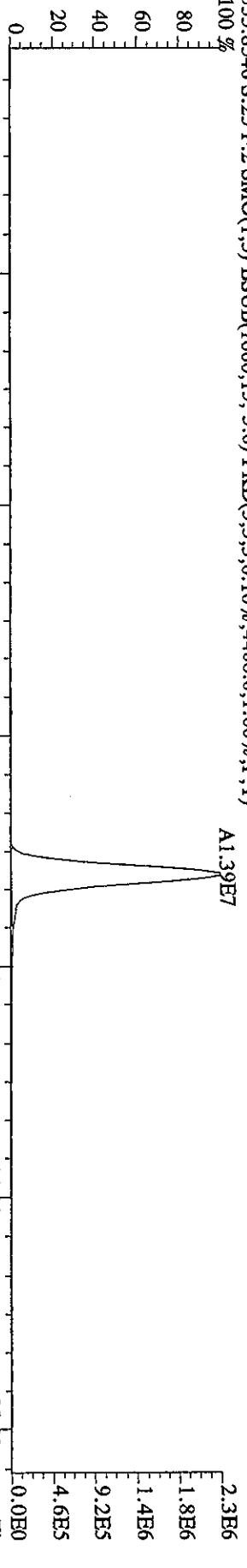
20:00 21:00 22:00 23:00 24:00 25:00 Time



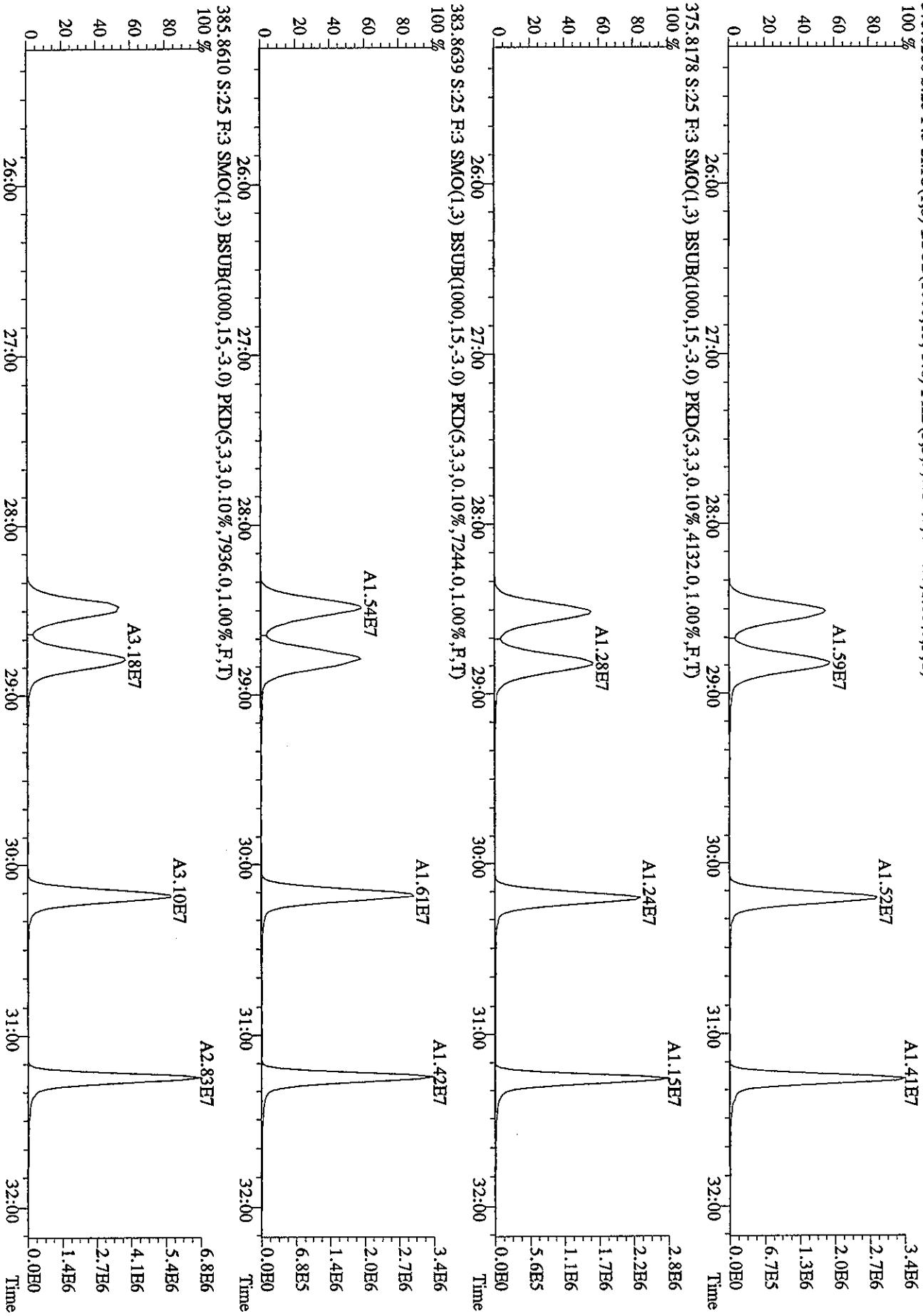
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#25 Text:H5169-1-AC :G6E230000-628C Exp:DIOXIN
 339.8597 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3116.0,1.00%,F,T)



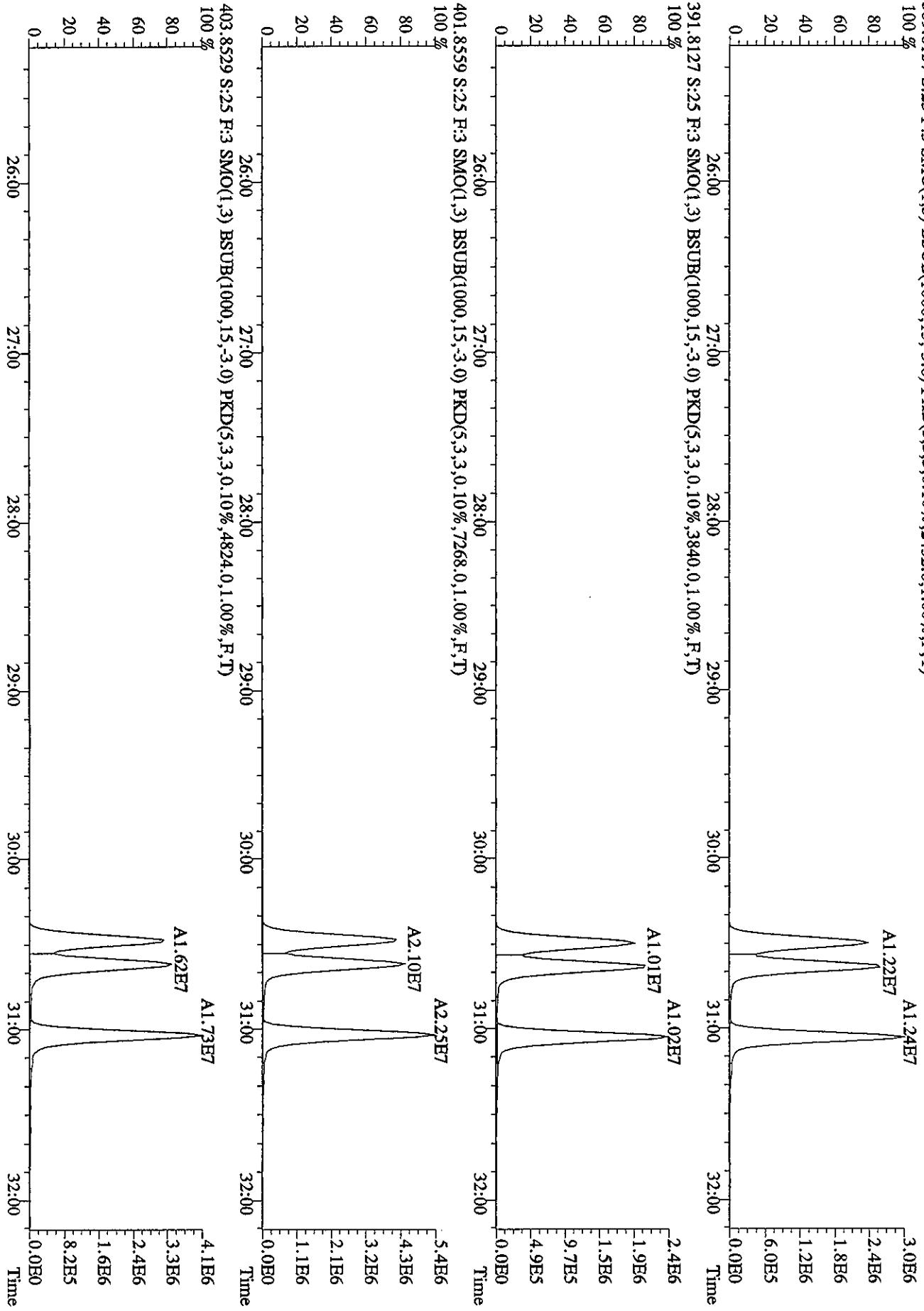
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#:25 Tex:t:H5169-1-AC :G6EH230000-628C Exp:DIOXIN
 355.8546 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4408.0,1.00%,F,T)
 100 %



File:23MY06A9D5 #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%,4132.0,1.00%,F,T)
 100 %



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#25 Text:iH5169-1-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)
 100 %



File:25MY06A9D5 #1-224 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UlmaE
 Sample#25 Text:H5169-1-AC :G6E230000-628C 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%,R,T)

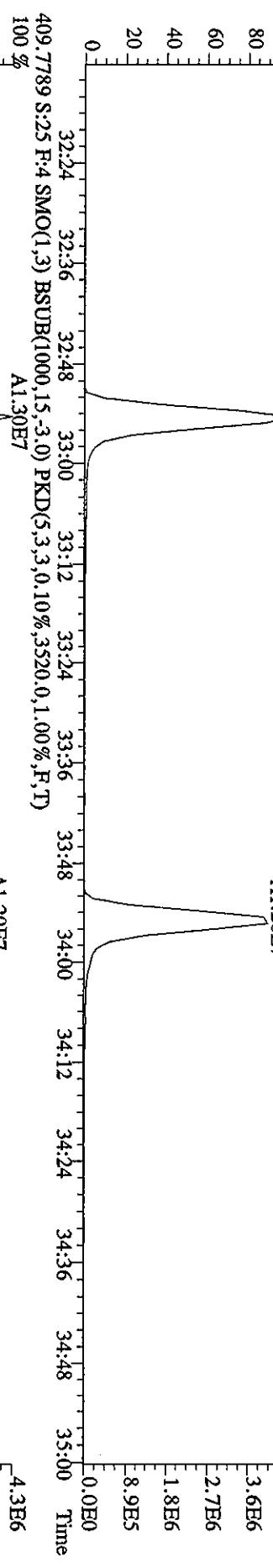
A1.35E7
100 %
80
60
40
20
0

A1.26E7
100 %
80
60
40
20
0

4.5E6
3.6E6
2.7E6
1.8E6
8.9E5

0.0E0

Time

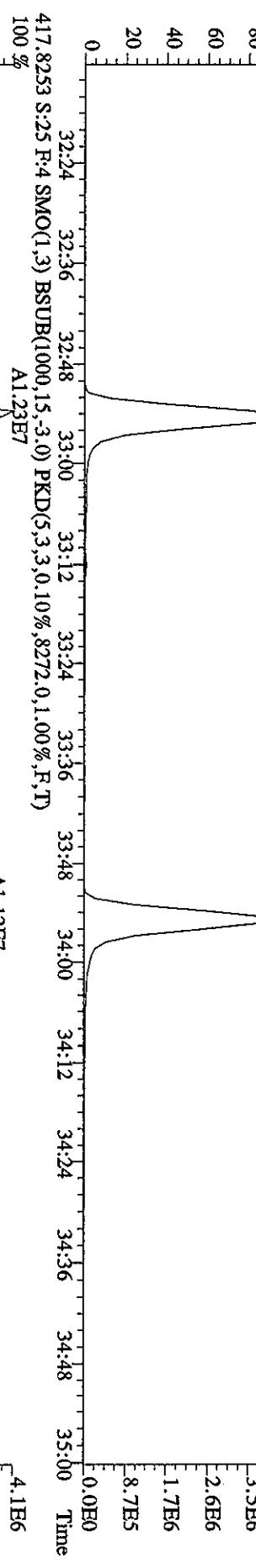


A1.20E7
100 %
80
60
40
20
0

4.3E6
3.5E6
2.6E6
1.7E6
8.7E5

0.0E0

Time

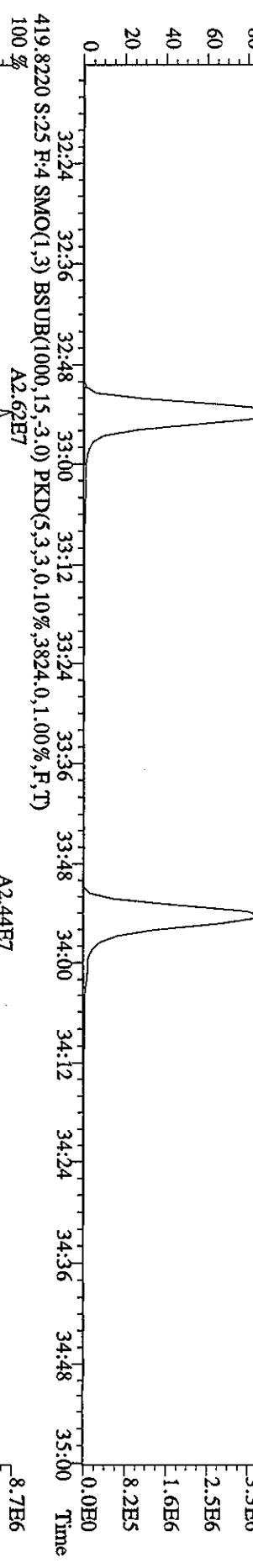


A1.12E7
100 %
80
60
40
20
0

4.1E6
3.3E6
2.5E6
1.6E6
8.2E5

0.0E0

Time



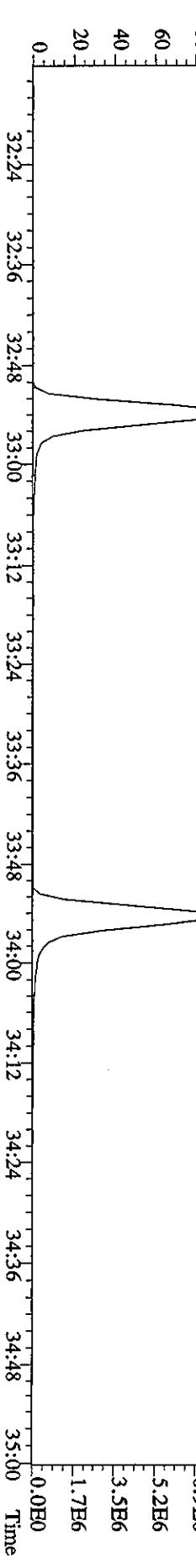
A2.44E7
100 %
80
60
40
20
0

8.7E6
6.9E6
5.2E6
3.5E6

1.7E6

0.0E0

Time



File:25MY06A9D5 #1-224 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
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

3.7E6

2.9E6

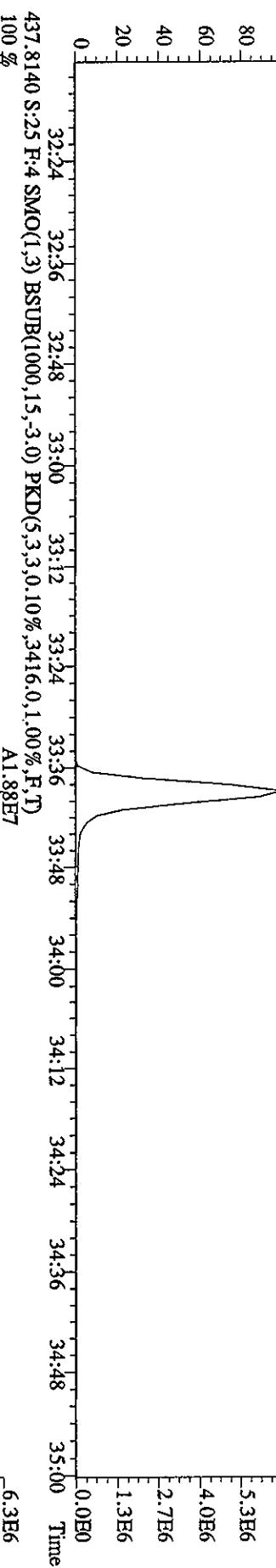
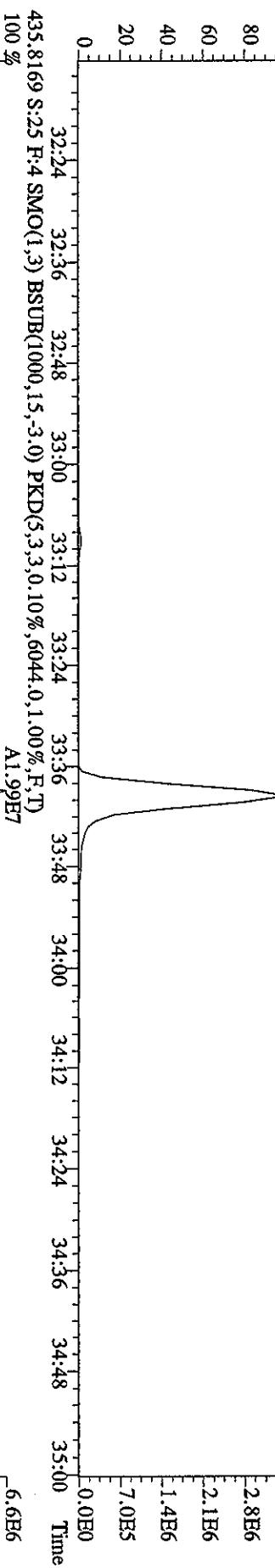
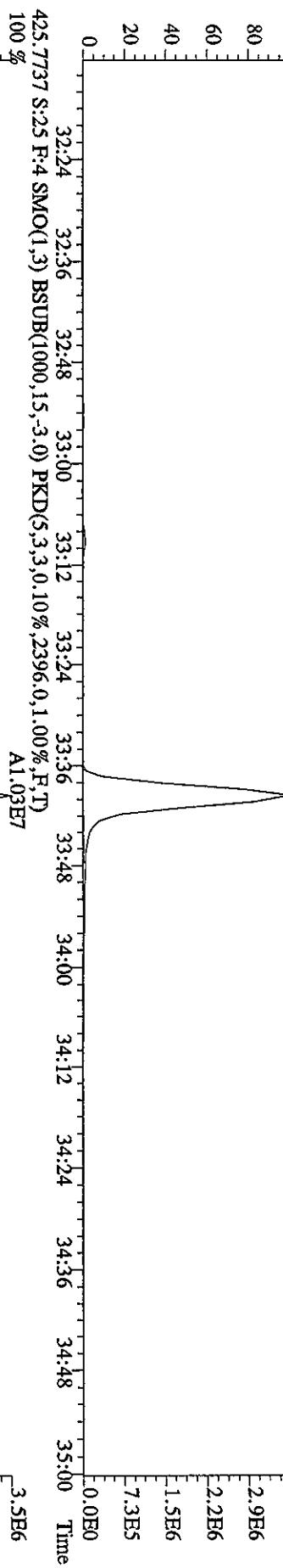
2.2E6

1.5E6

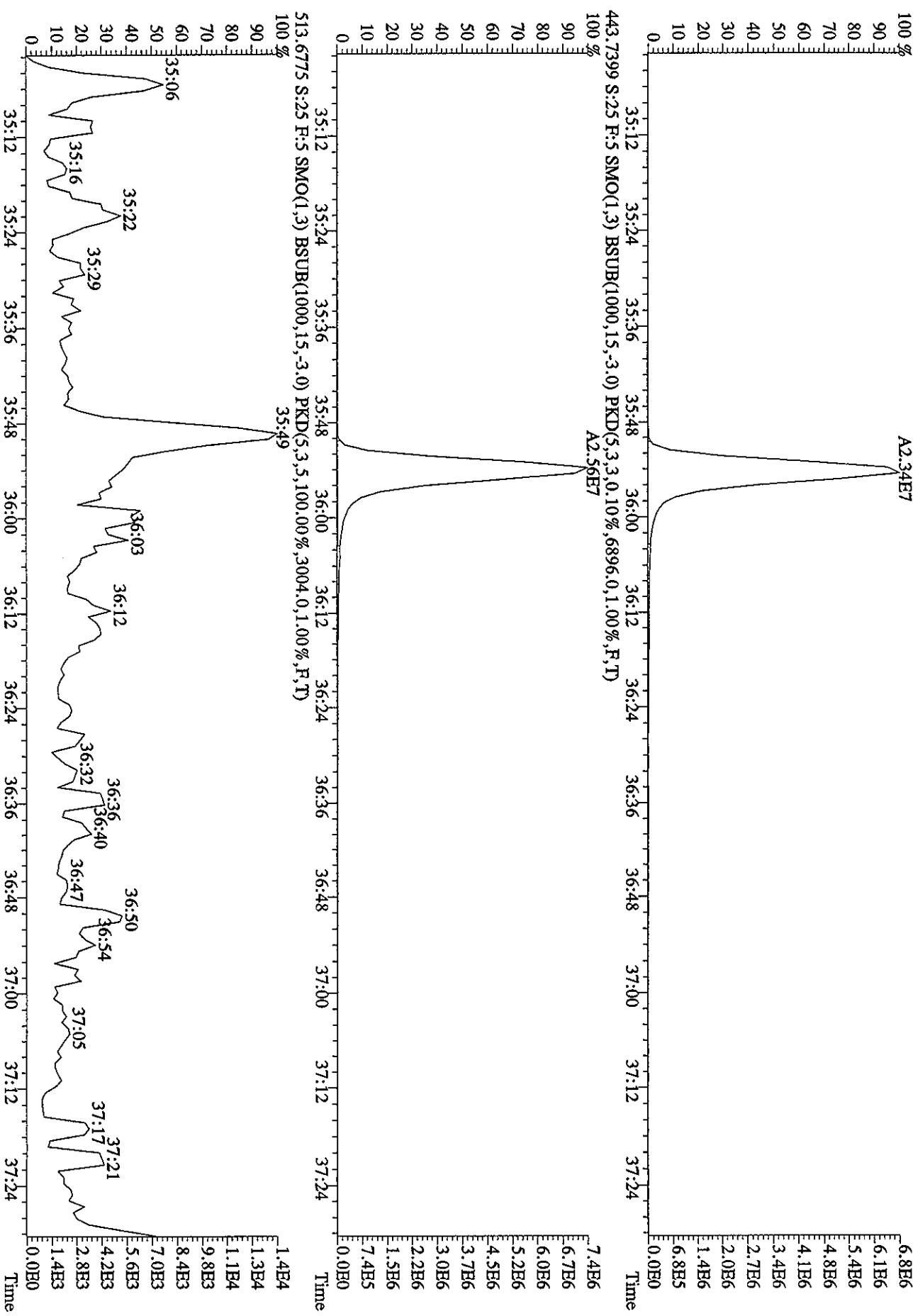
7.3E5

0.0E0

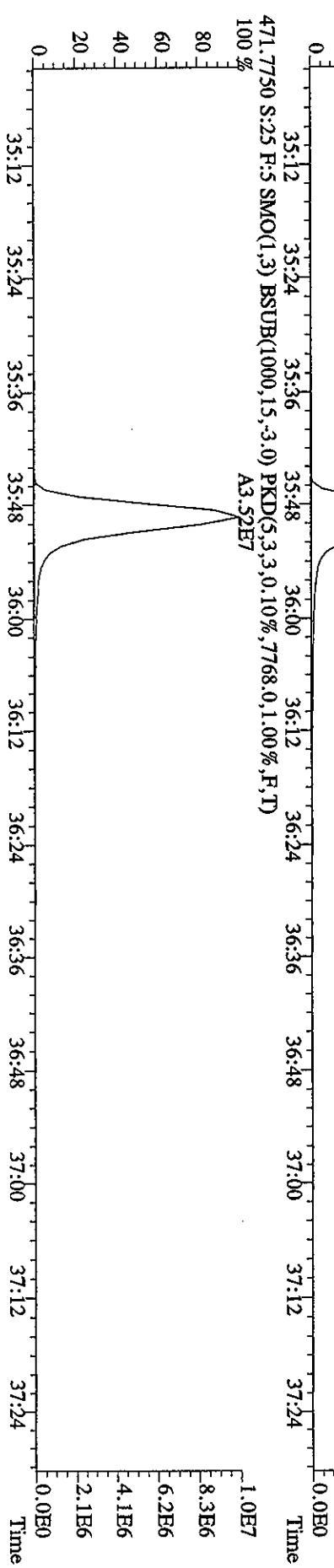
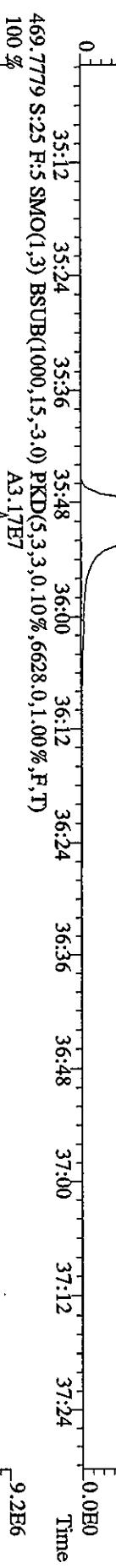
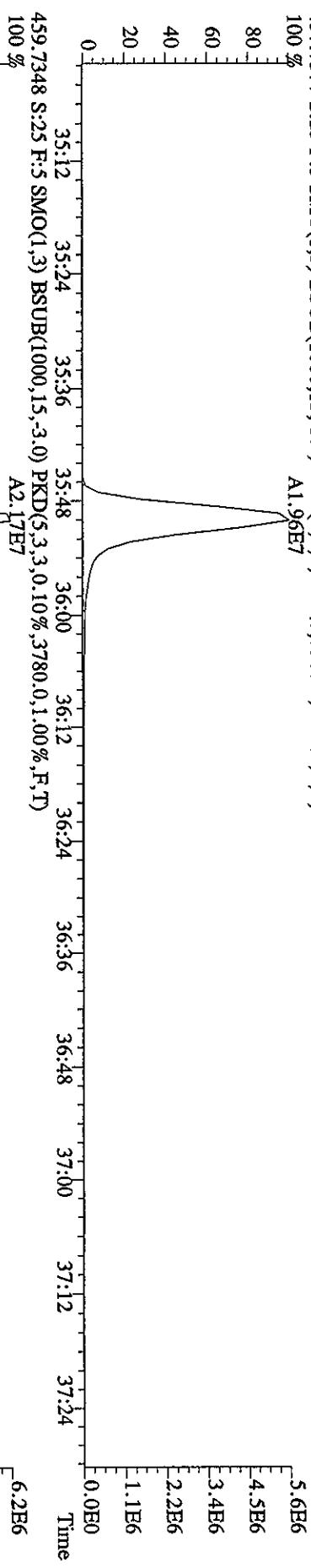
Time



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#25 Text:H5169-1-AC :G6EB230000-628C 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:25MY06A9DS #1-201 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
 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:2MY06A9D5 #1439 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE

Sample:425 Text:H5169-1-AC :G6H230000-628C Exp:DIOXIN

292.9825 S:25 SMO(1,3) PKD(5,3,5,100.00%,0,0,1.00%,F,T)

100 % 12:52 13:14 13:33 14:05 14:44 15:16 15:47 16:18 16:38 17:03 17:38 18:09 18:41 1:3E8

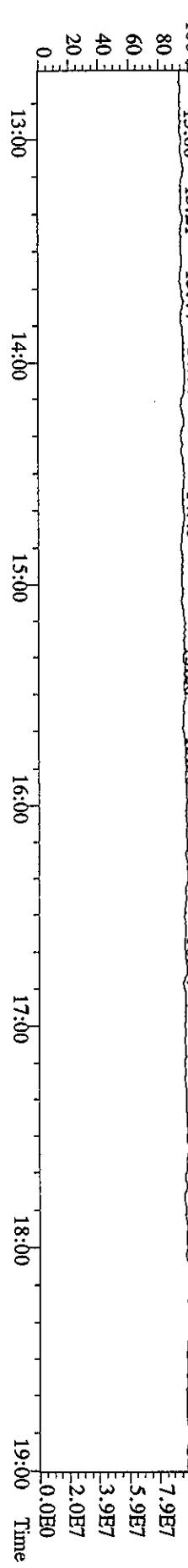
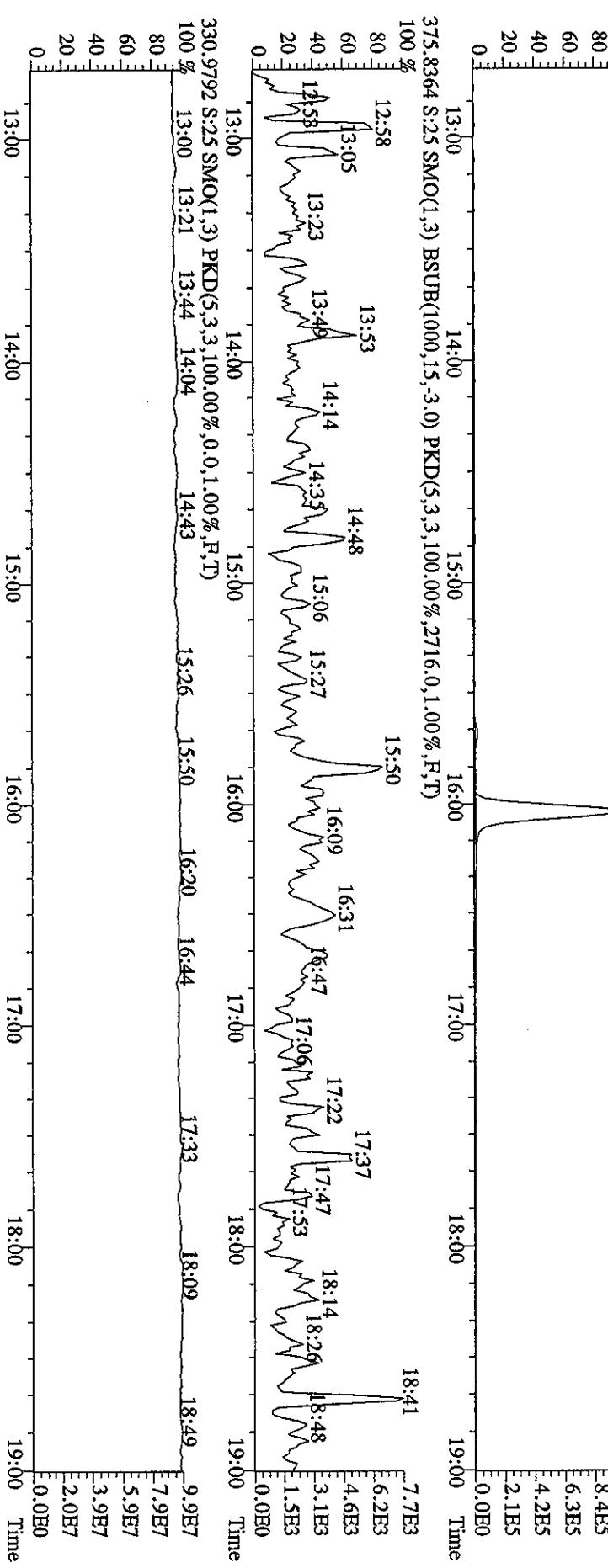
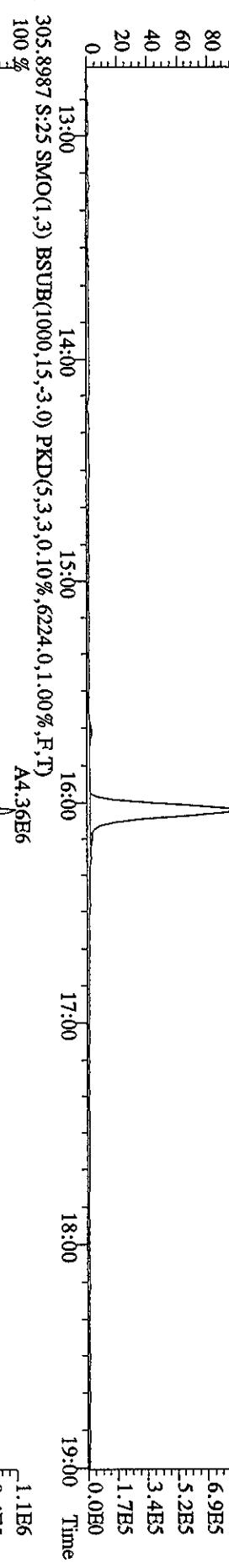
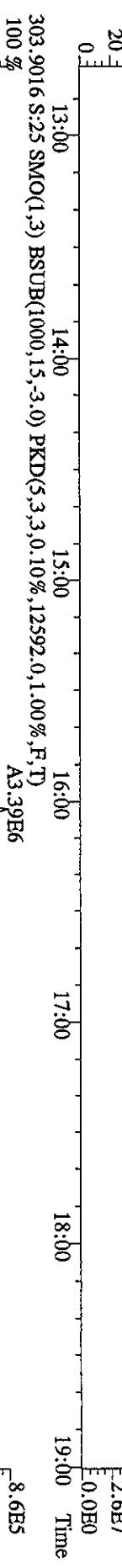
80 % 13:00 13:21 13:44 14:04 14:43 15:26 15:50 16:20 16:44 17:33 18:09 18:49 9.9E7

60 % 100 % 13:00 13:21 13:44 14:04 14:43 15:26 15:50 16:20 16:44 17:33 18:09 18:49 7.9E7

40 % 100 % 13:00 13:21 13:44 14:04 14:43 15:26 15:50 16:20 16:44 17:33 18:09 18:49 5.9E7

20 % 100 % 13:00 13:21 13:44 14:04 14:43 15:26 15:50 16:20 16:44 17:33 18:09 18:49 3.9E7

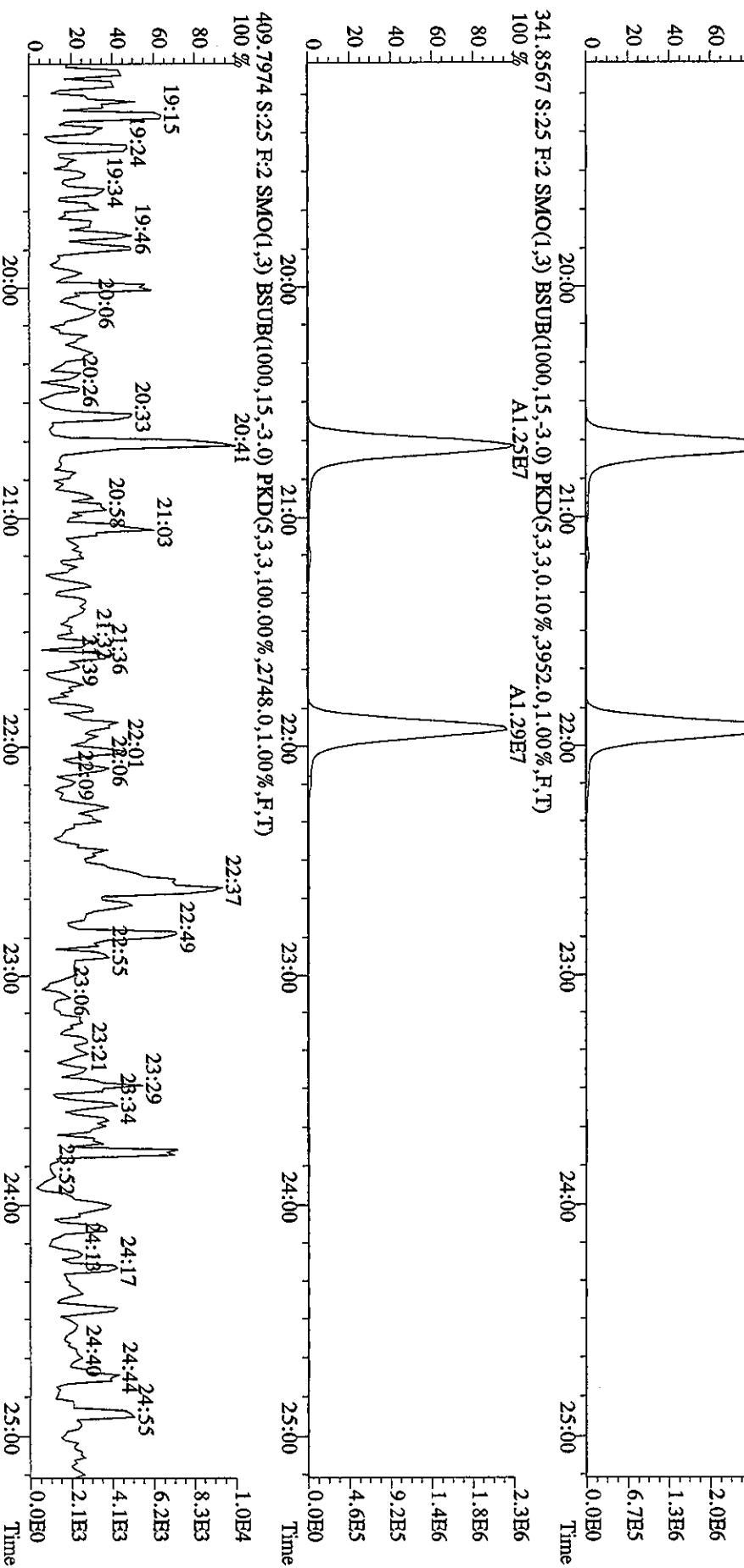
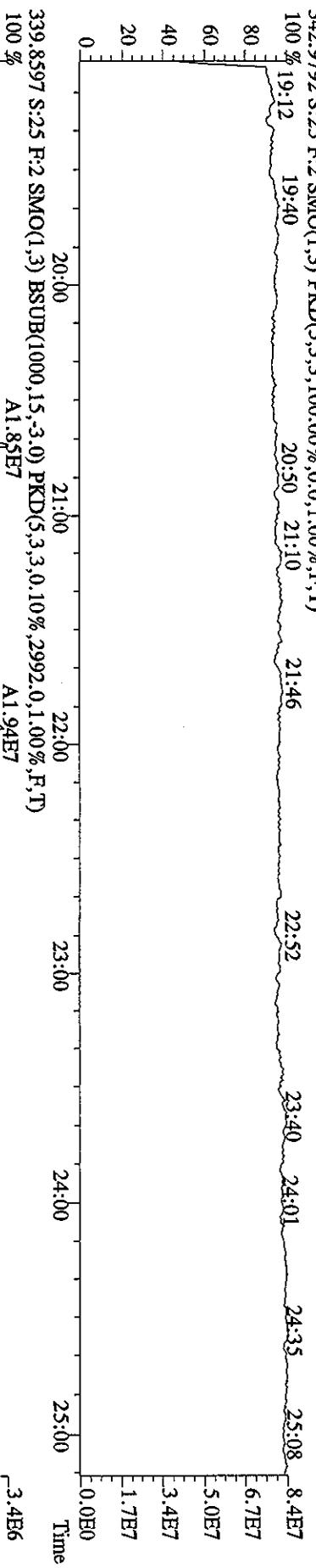
0 % 100 % 13:00 13:21 13:44 14:04 14:43 15:26 15:50 16:20 16:44 17:33 18:09 18:49 2.0E7



File:25MY06A9D5 #1491 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:HS169-1-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

80
60
40
20
0

6.7E7
5.0E7
3.4E7
1.7E7



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

Sample#:25 Text:HS169-1-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)

100 % 25:45 26:10 26:34 27:04 27:27 28:46 29:29 29:54 30:39 31:02

80 5.4E7

60 4.3E7

40 3.2E7

20 2.2E7

0 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)

100 % 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

80 3.4E6

60 2.7E6

40 2.0E6

20 1.3E6

0 6.7E5

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)

100 % 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

80 3.4E6

60 2.7E6

40 2.0E6

20 1.3E6

0 6.7E5

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)

100 % 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

80 2.8E6

60 2.2E6

40 1.7E6

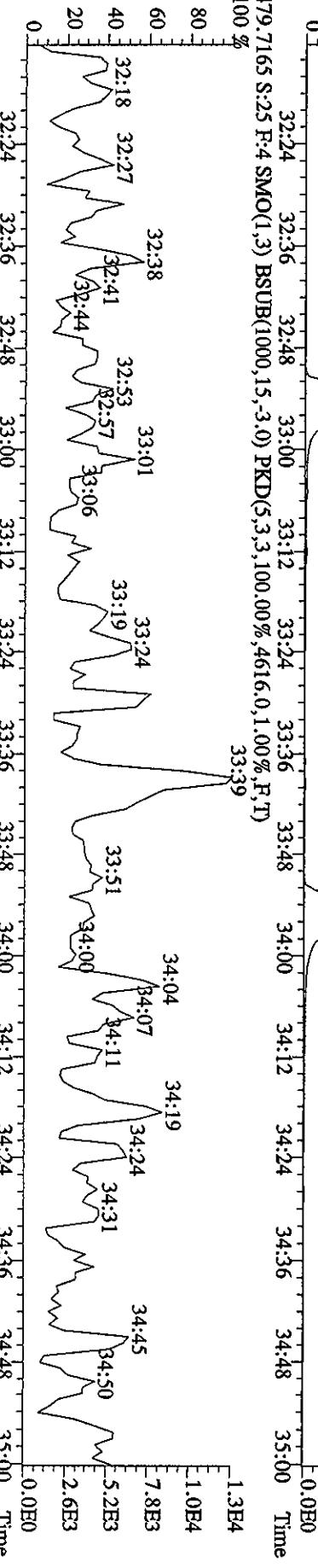
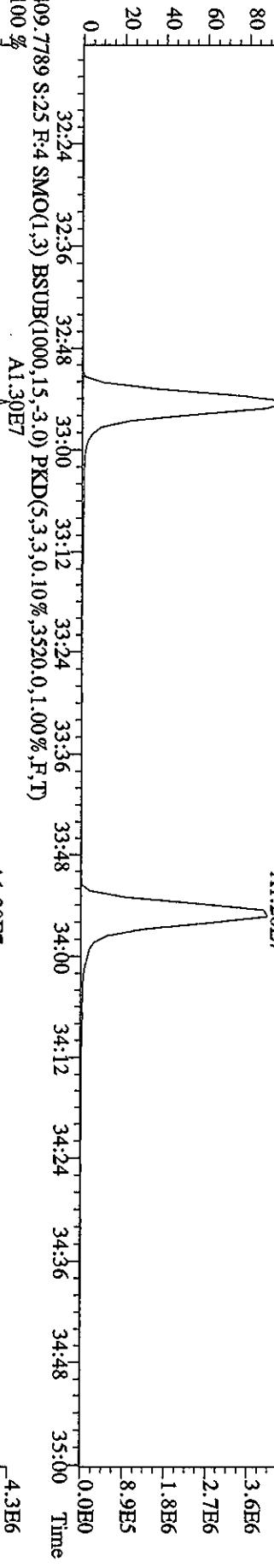
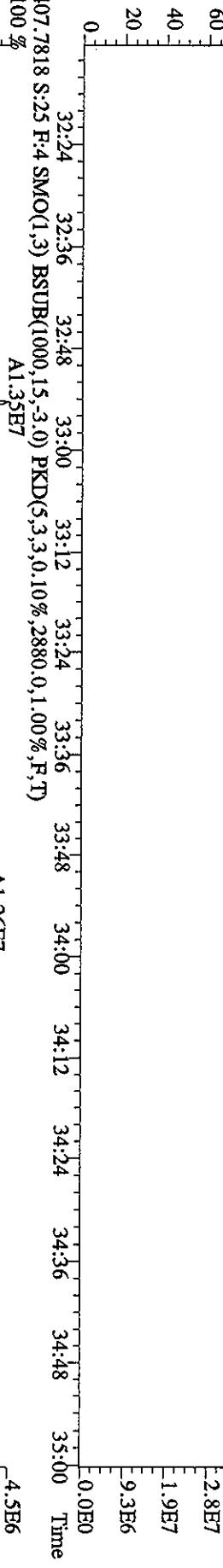
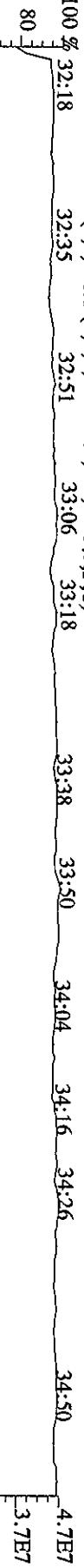
20 1.1E6

0 5.6E5

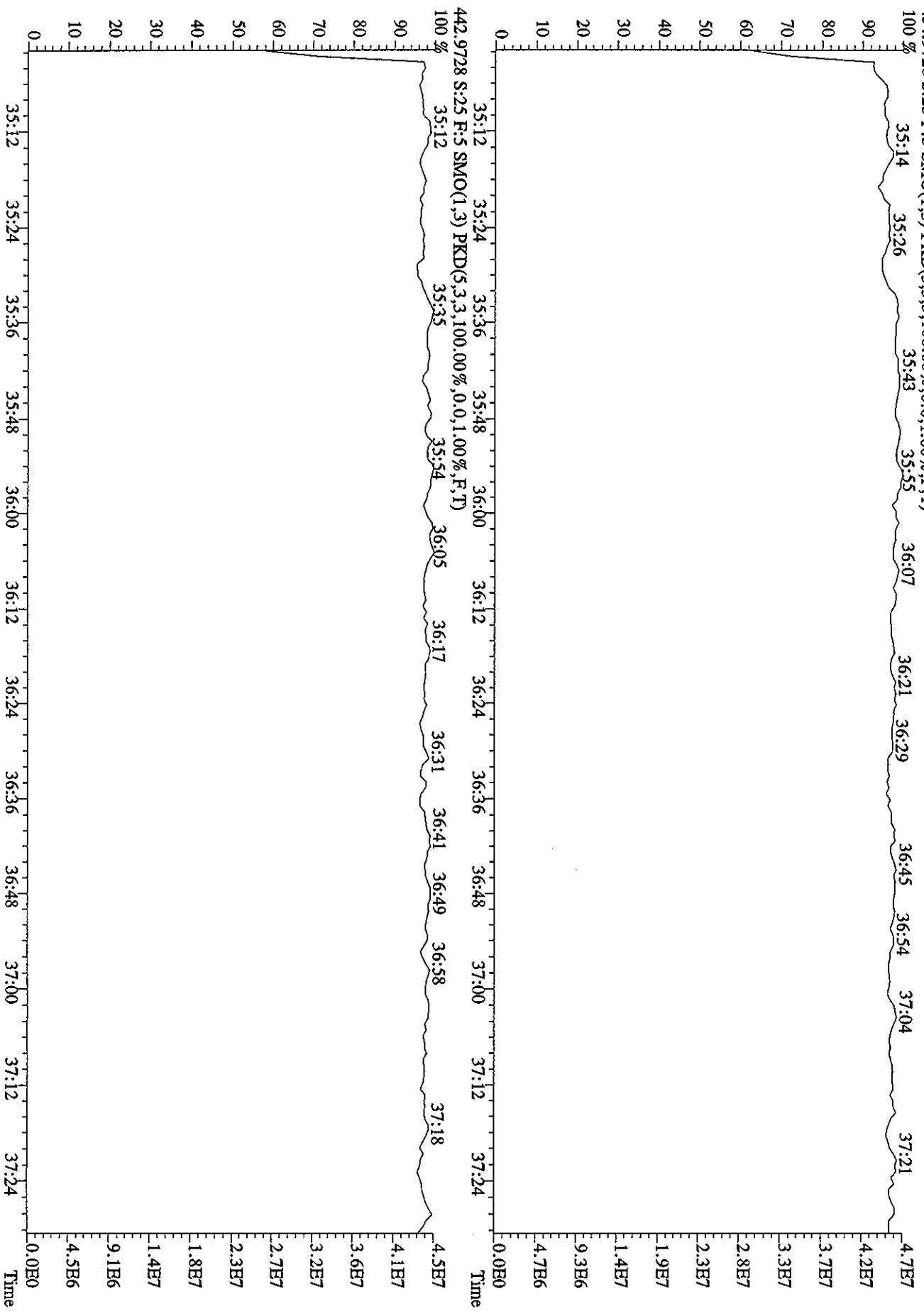
0.0E0

30:28 30:37 31:02 31:40 31:54 32:00 Time

File:25MY06A9DS #1-224 Acq:26-MAY-2006 13:55:28 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#25 Text:H5169-1-AC :G6EB30000-628C 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 4.7E7



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 13:55:28 GC El+ Voltage SIR Autospec-UltimaE
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%,0,0,1,0.00%,F,T)
100 %



Quantitation Summary

STL

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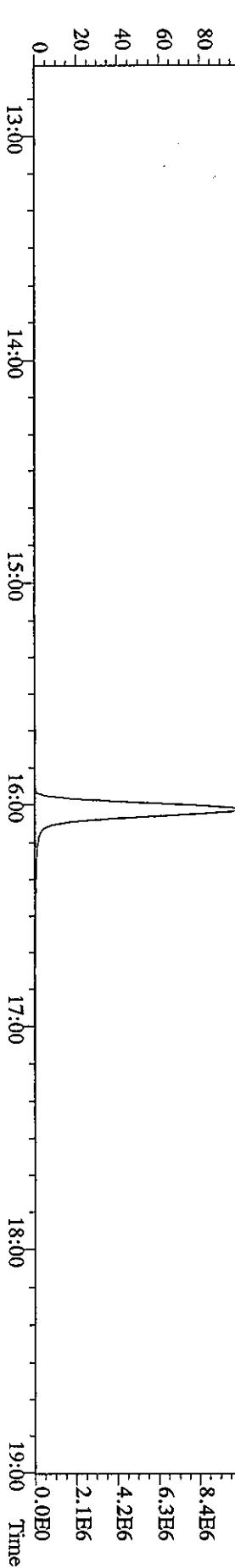
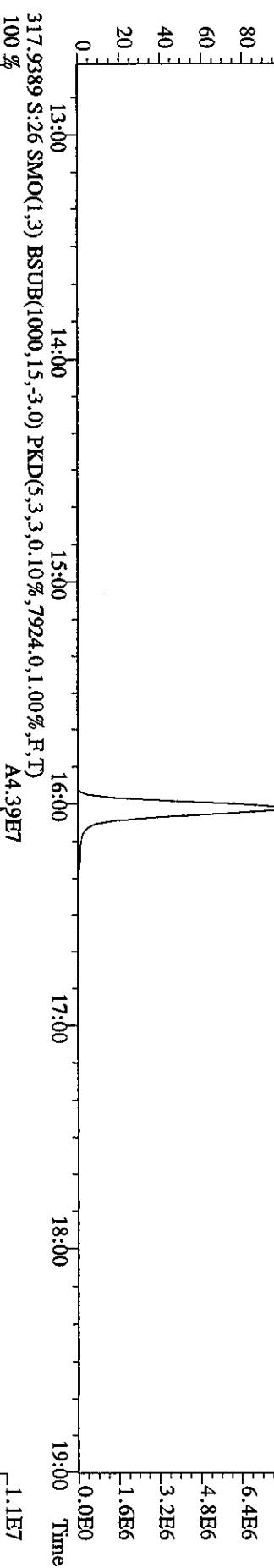
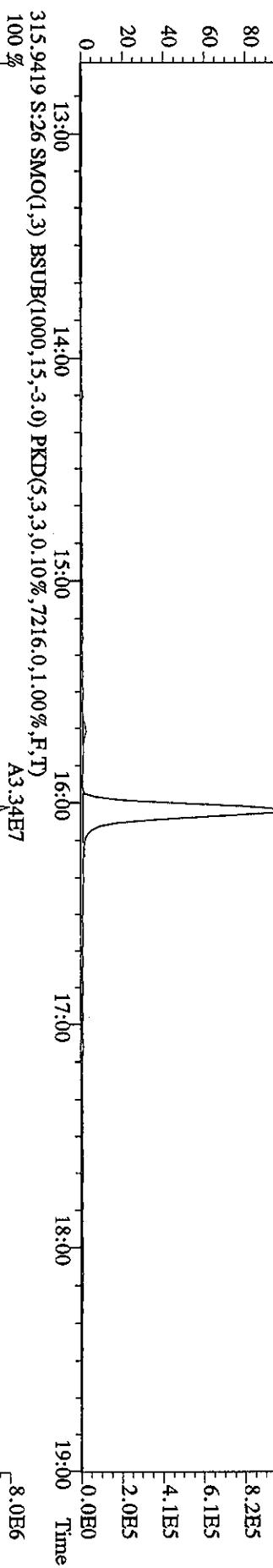
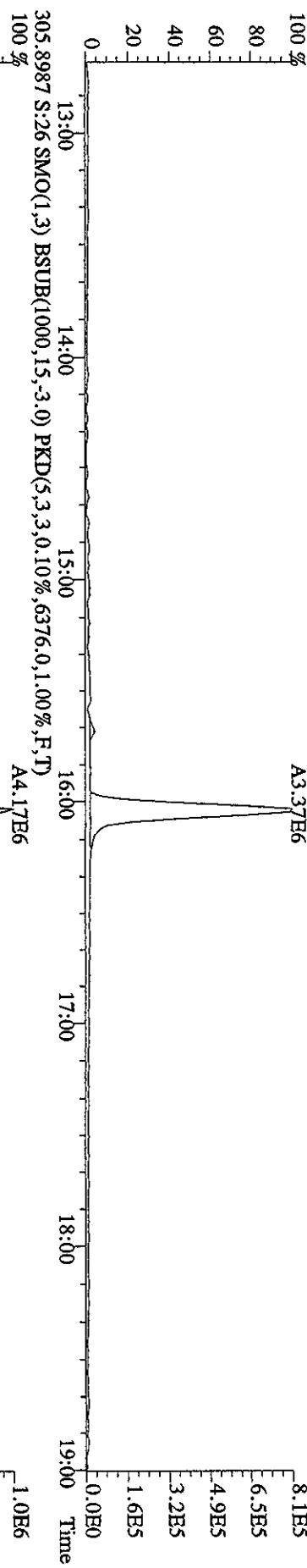
~~N6E41-1-AD~~

Run text: H5169-1-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	Not Fnd	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	B74	104.2	n

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-UltimaE
 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)
 A3.37E6

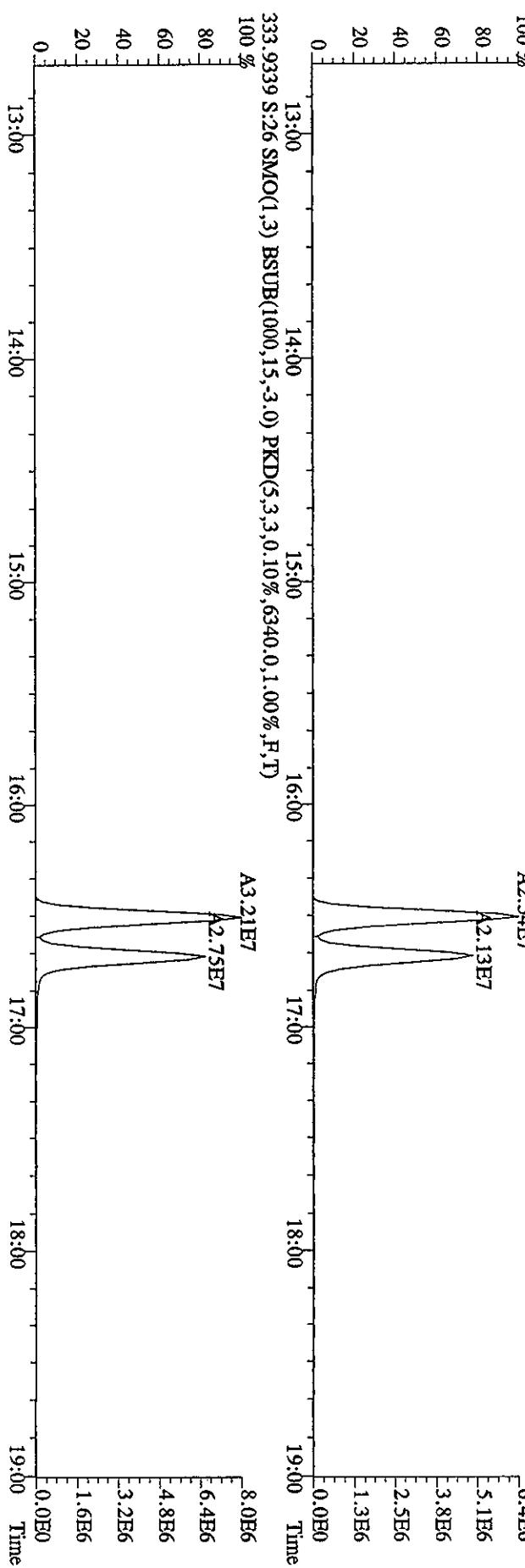
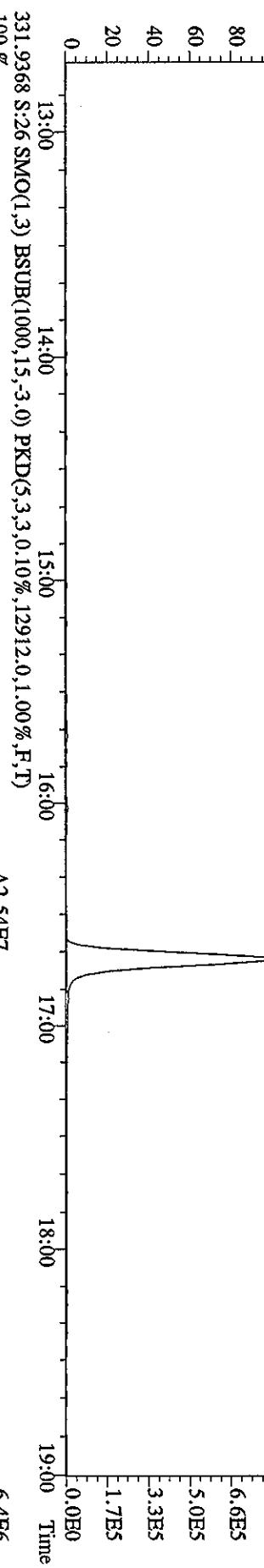
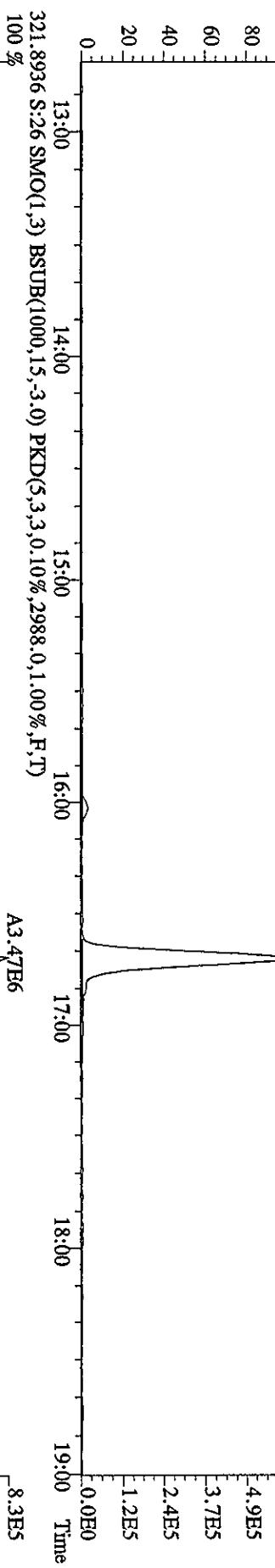


File:25MY06A9D5 #1-439 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE

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 %
80
60
40
20
0

A2.67E6



File:25MY06A9D5 #1-439 Aq:26-MAY-2006 14:37:03 GC El+ Voltage SIR Autospec-UltimaE

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)

100 %

A2.13E7

5.0E6

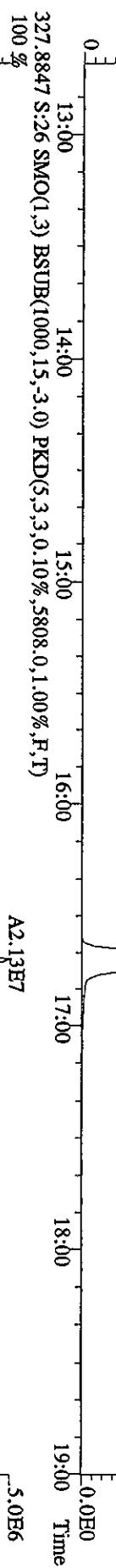
4.0E6

3.0E6

2.0E6

1.0E6

0.0E0



A2.13E7

5.0E6

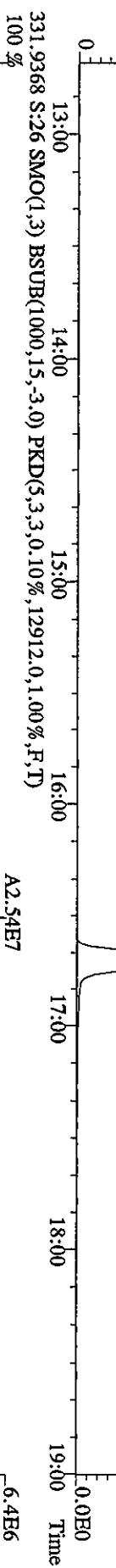
4.0E6

3.0E6

2.0E6

1.0E6

0.0E0



A2.54E7

6.4E6

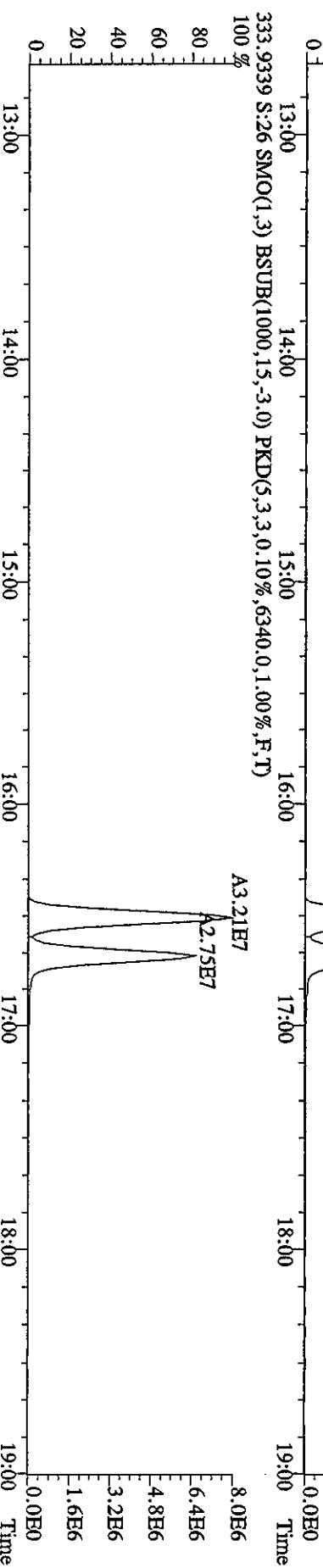
5.1E6

3.8E6

2.5E6

1.3E6

0.0E0



8.0E6

6.4E6

4.8E6

3.2E6

1.6E6

0.0E0

File:25MY06A9D5 #1-490 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE

Sample#26 Text:H15169-1-AD Exp:DIOXIN
339.8597 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5572.0,1.00%,F,T)
100 % A1.89E7 A1.96E7

3.4E6

2.3E6

1.9E6

1.4E6

9.3E5

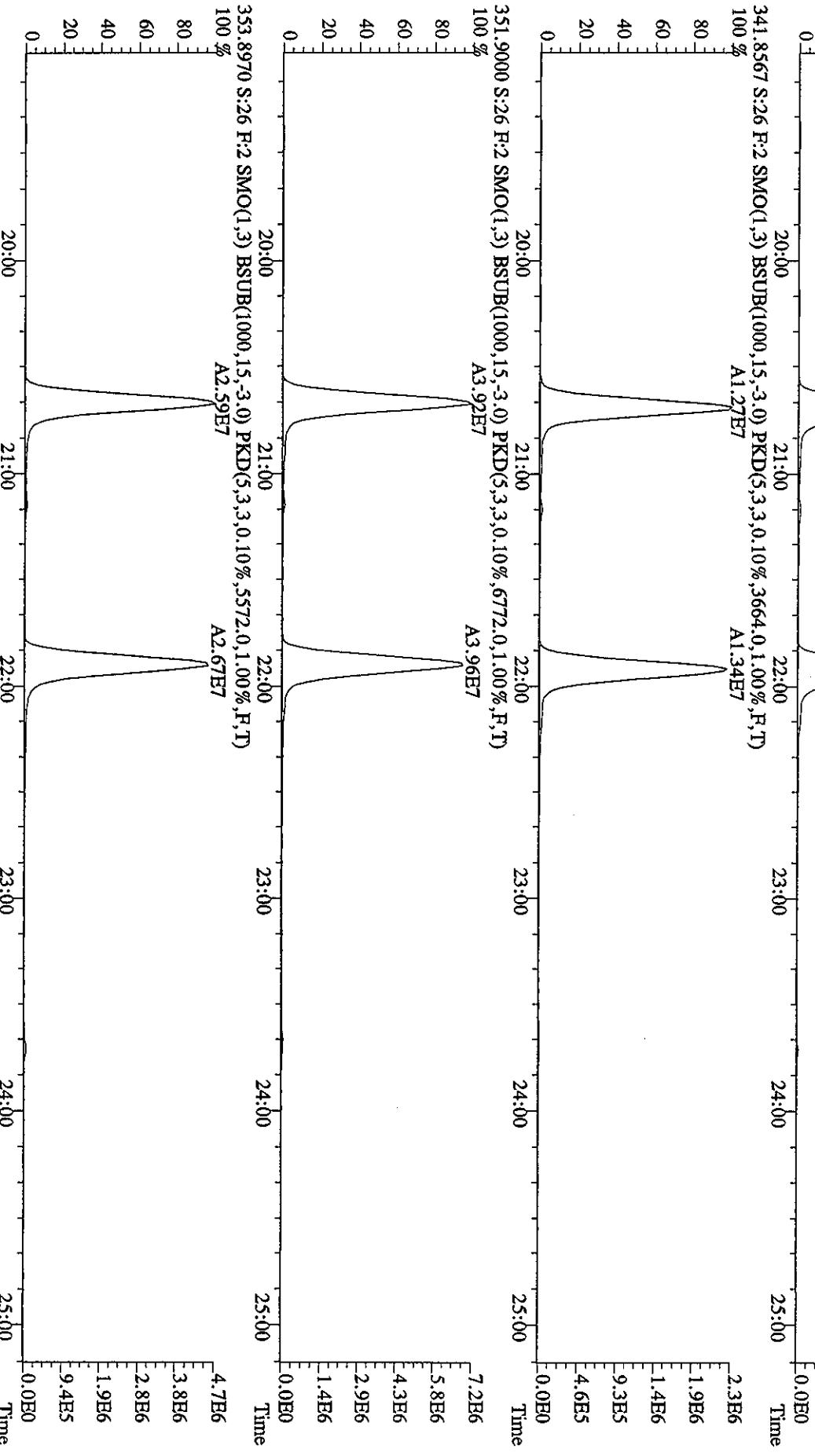
4.6E5

2.3E6

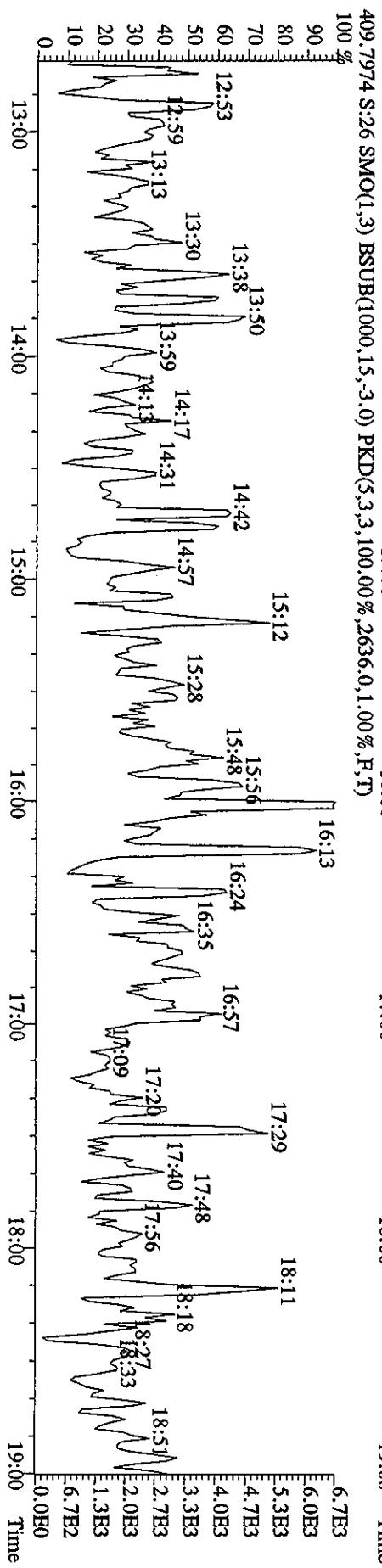
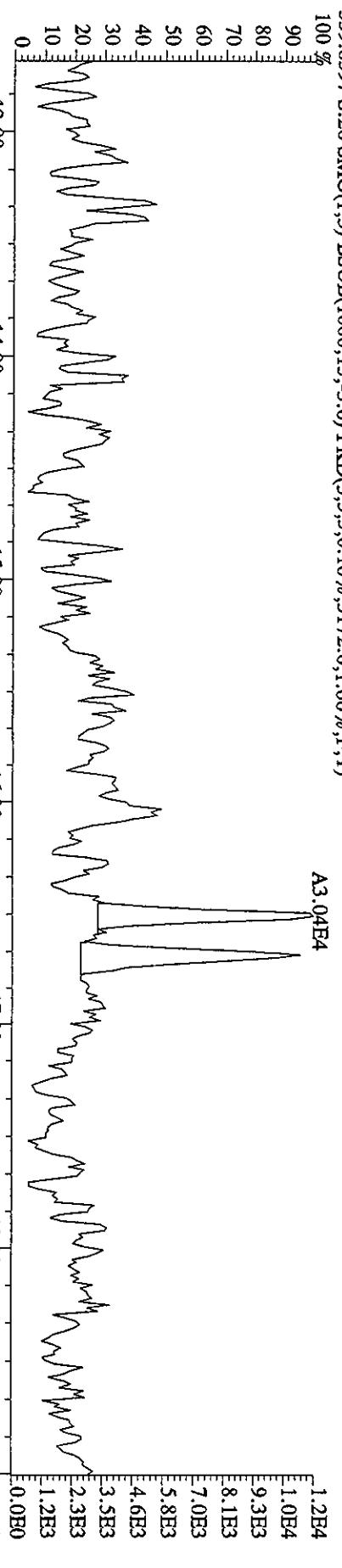
1.9E6

4.6E5

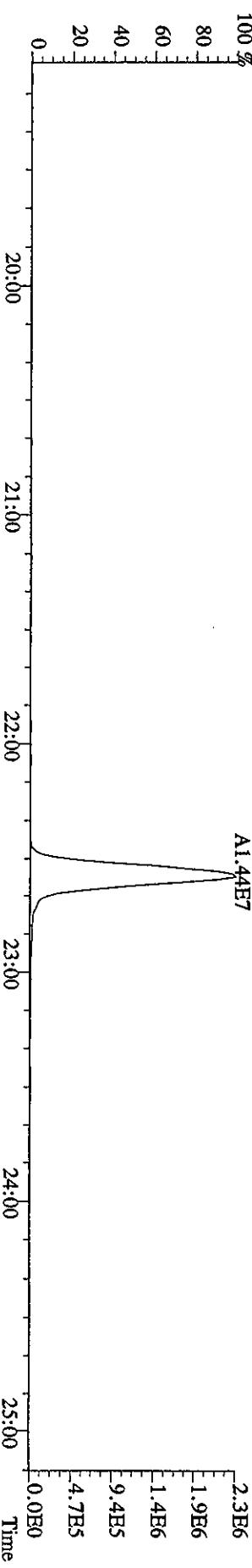
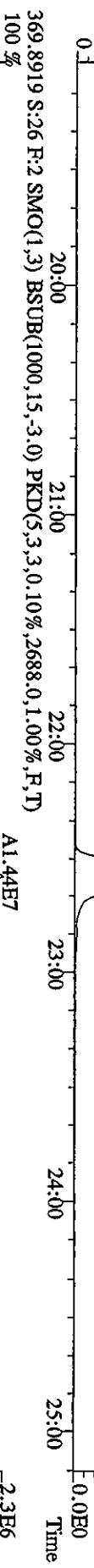
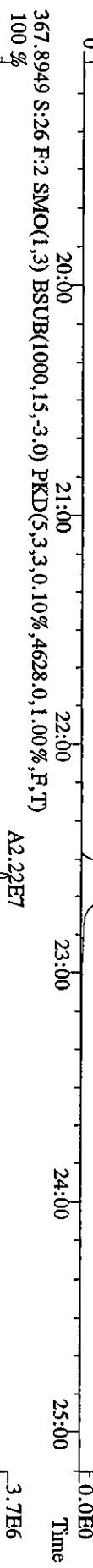
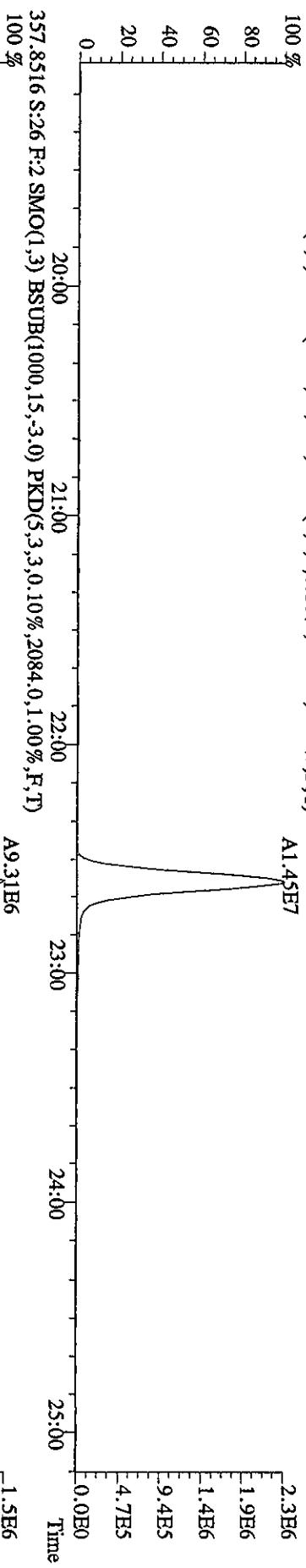
3.8E6



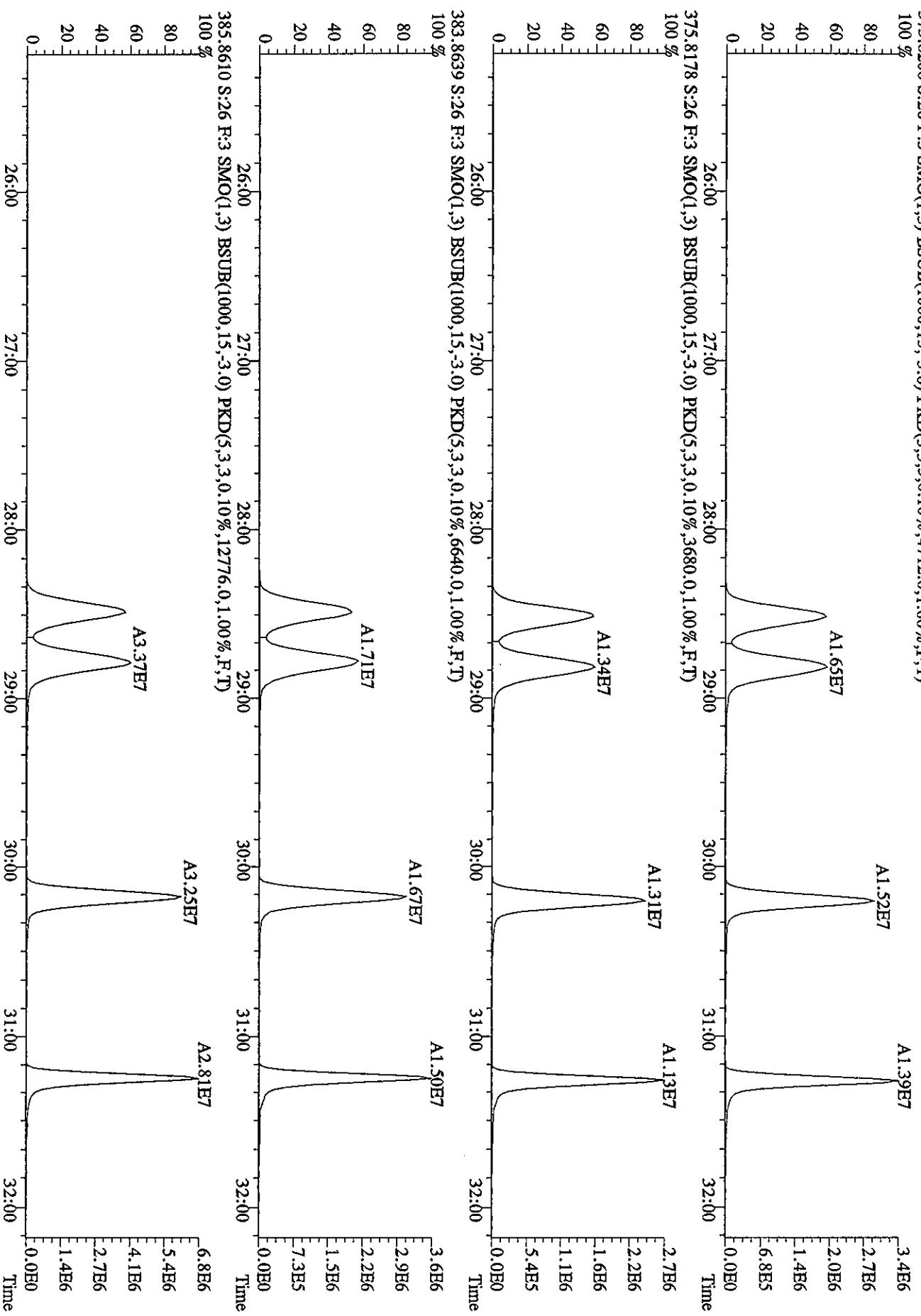
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#:26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN
 339.8597 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3172.0,1.00%,F,T)



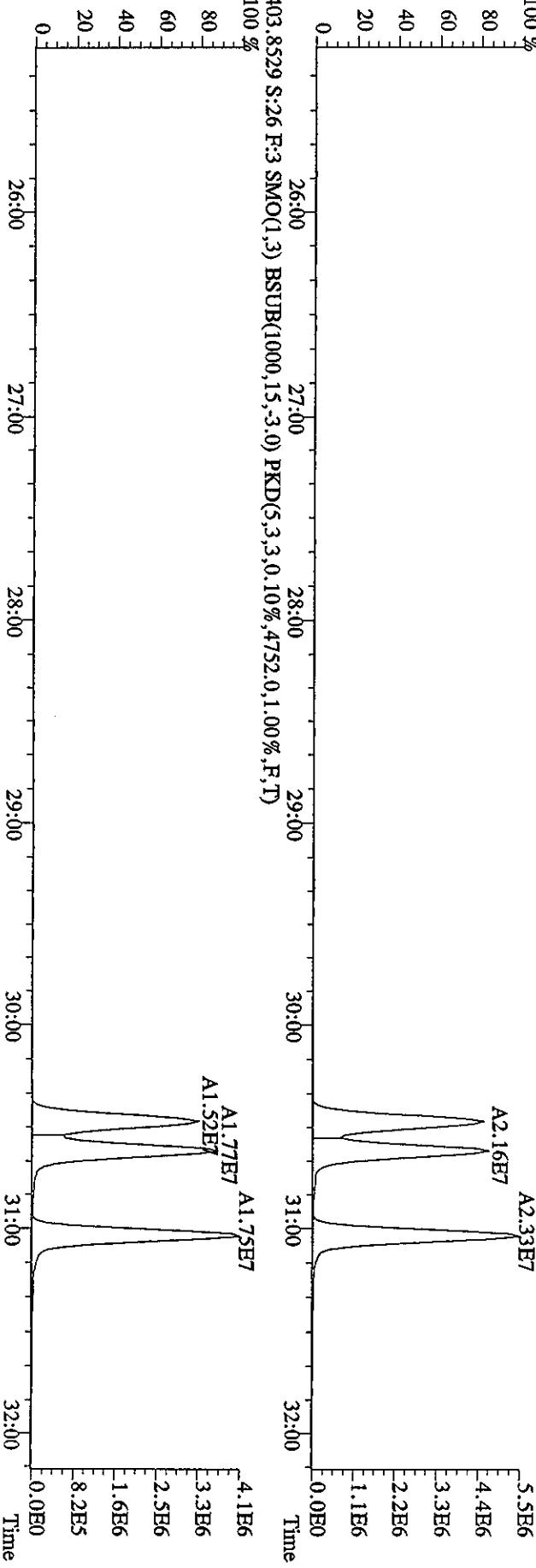
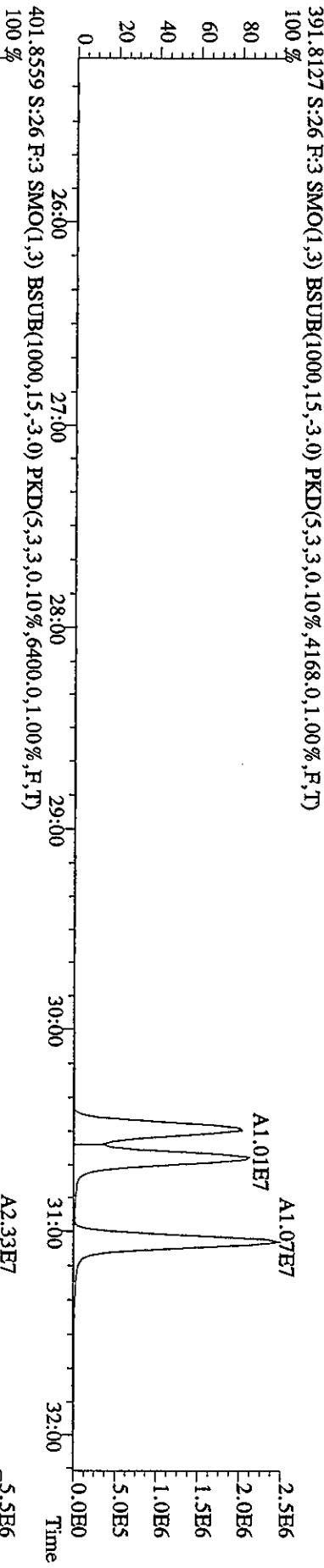
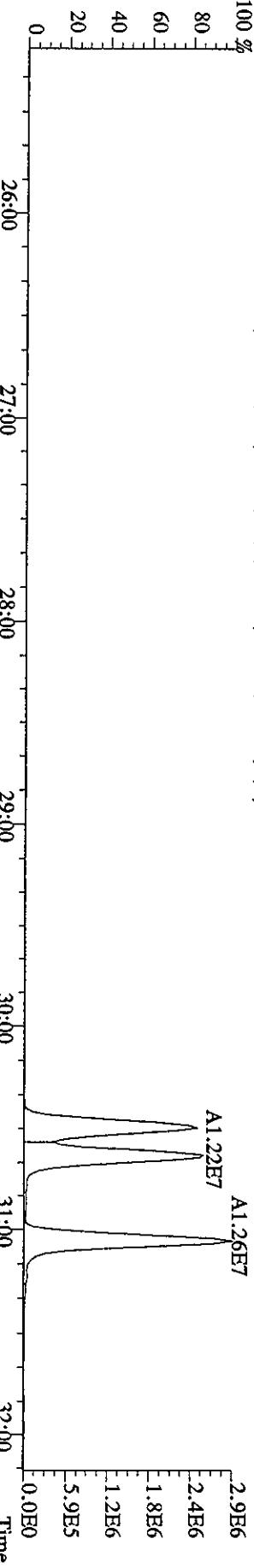
File:25MY06A9D5 #1-490 Acq:26MAY2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN
 355.8546 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3828.0,1.00%,F,T)
 100 % A1.45E7
 80
 60
 40
 20
 0



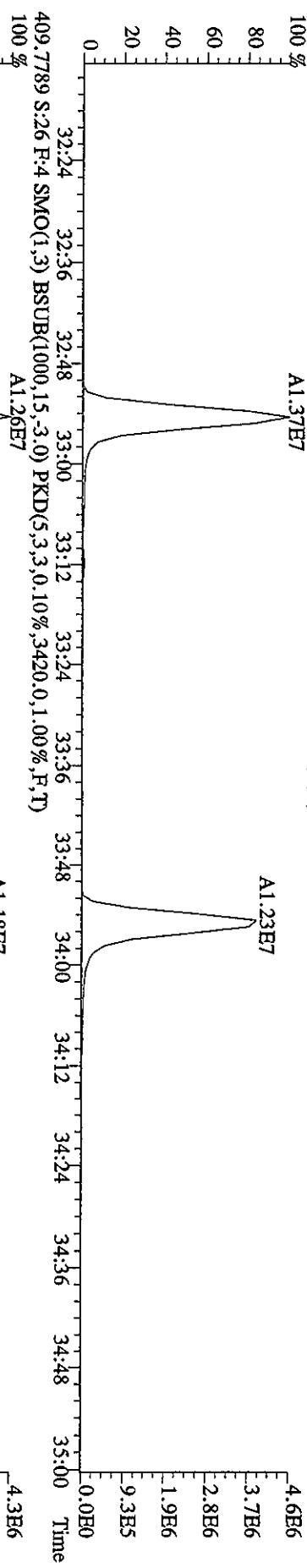
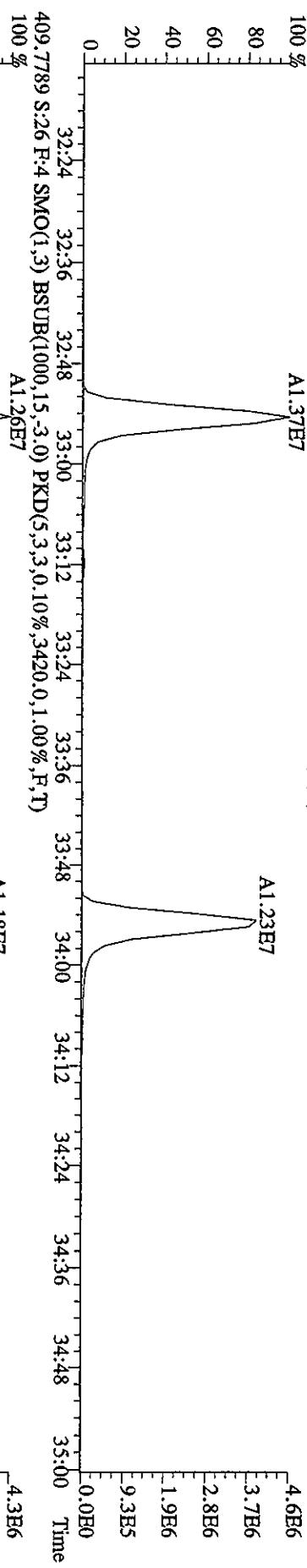
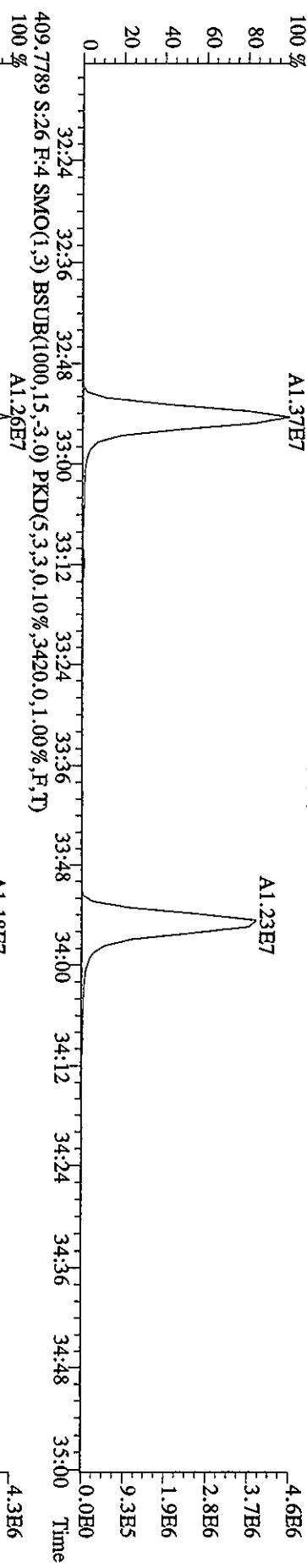
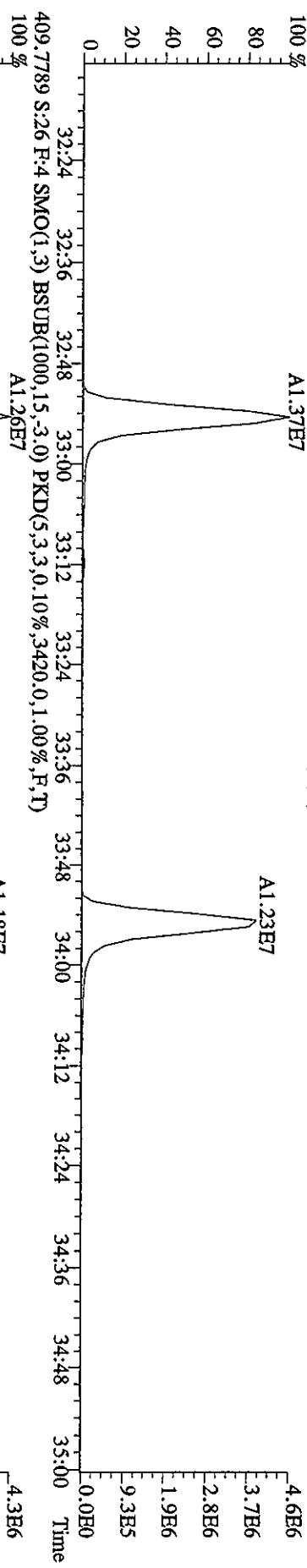
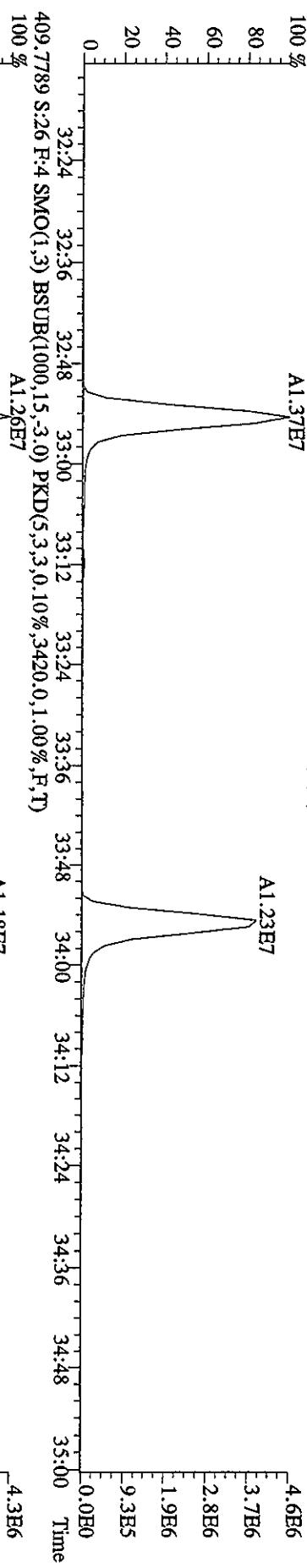
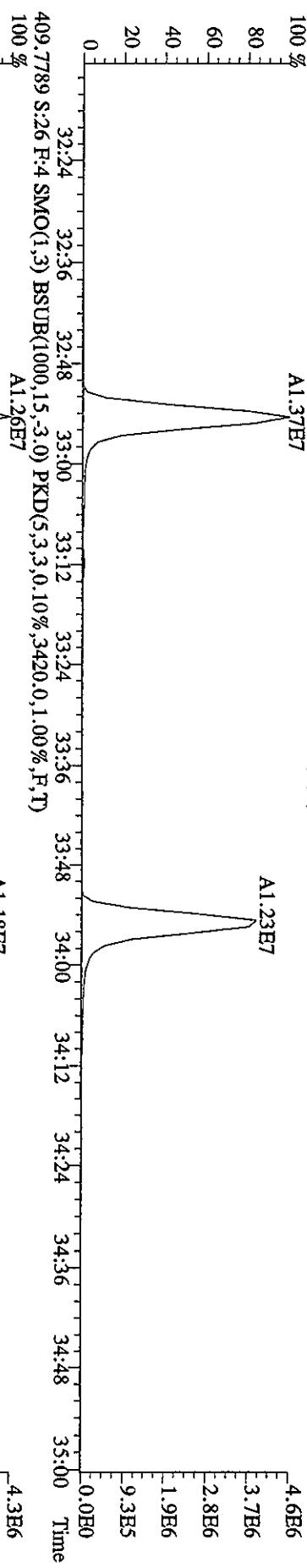
File:25MY06A9D5 #1-529 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaB
Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN
373.8208 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4712.0,1.00%,F,T)



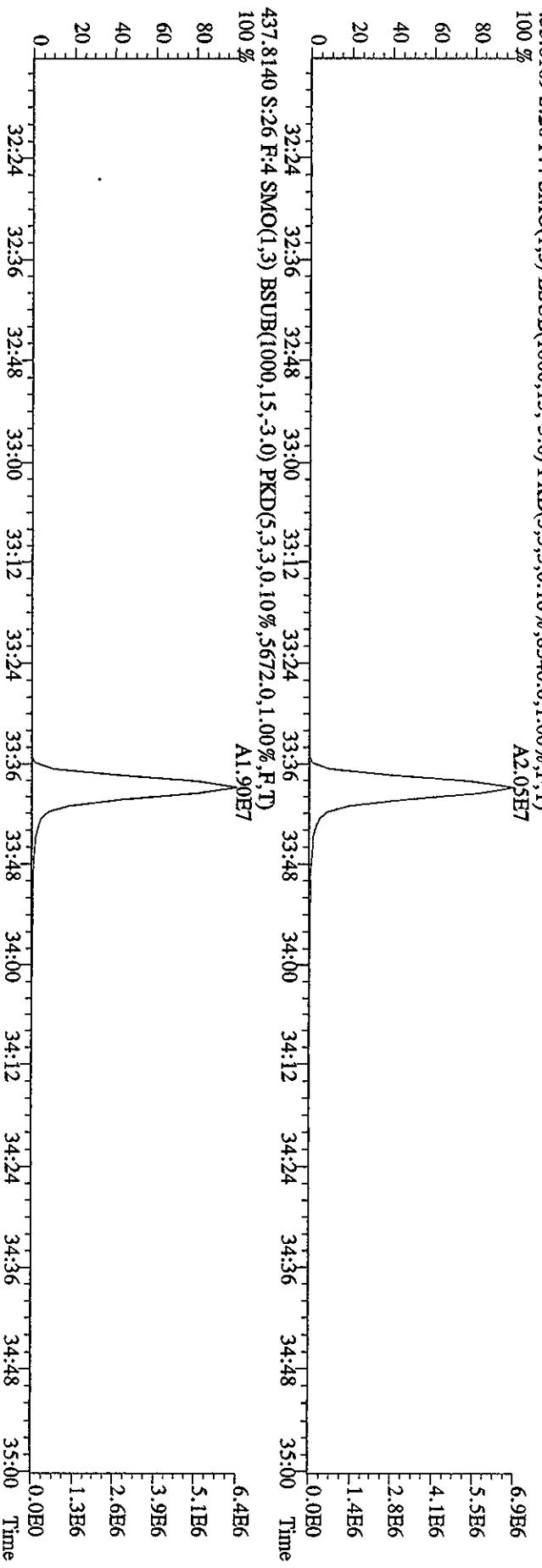
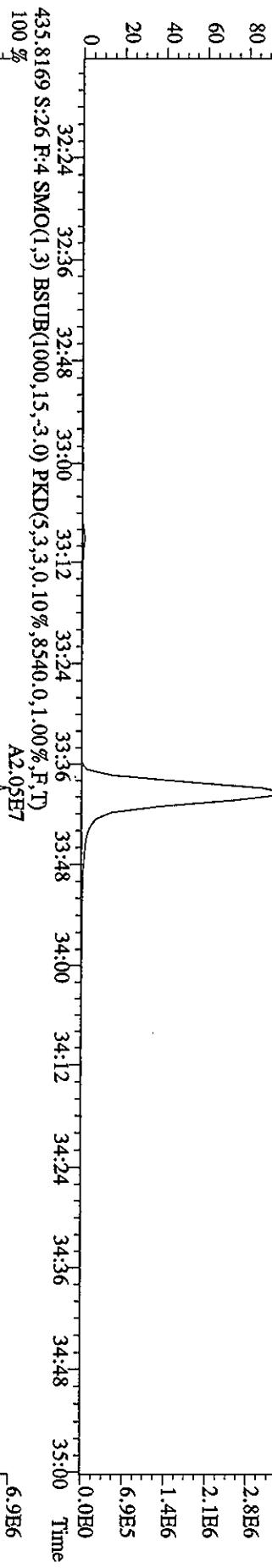
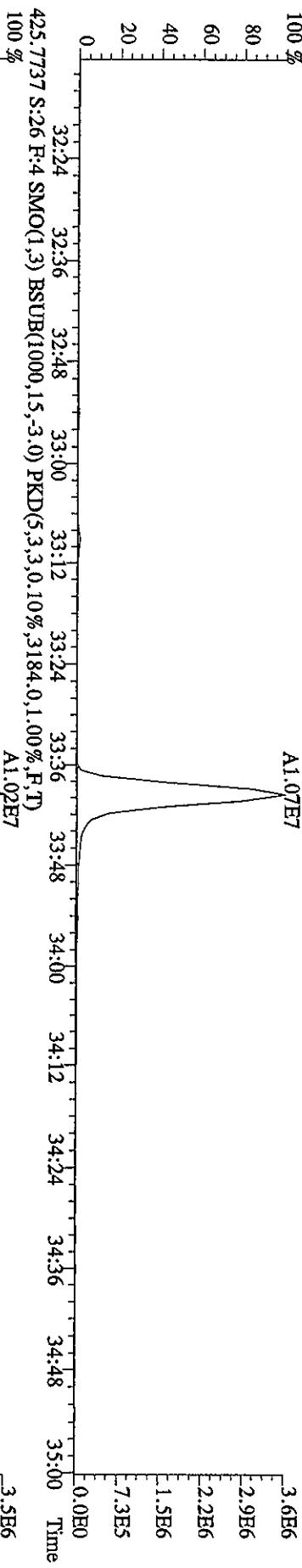
File:25MY06A9D5 #1-529 Acq:26-MAY-2006 14:37:03 GC El+ Voltage SIR Autospec-UltimaE
 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN
 389.8157 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2276.0,1.00%,F,T)
 100 %



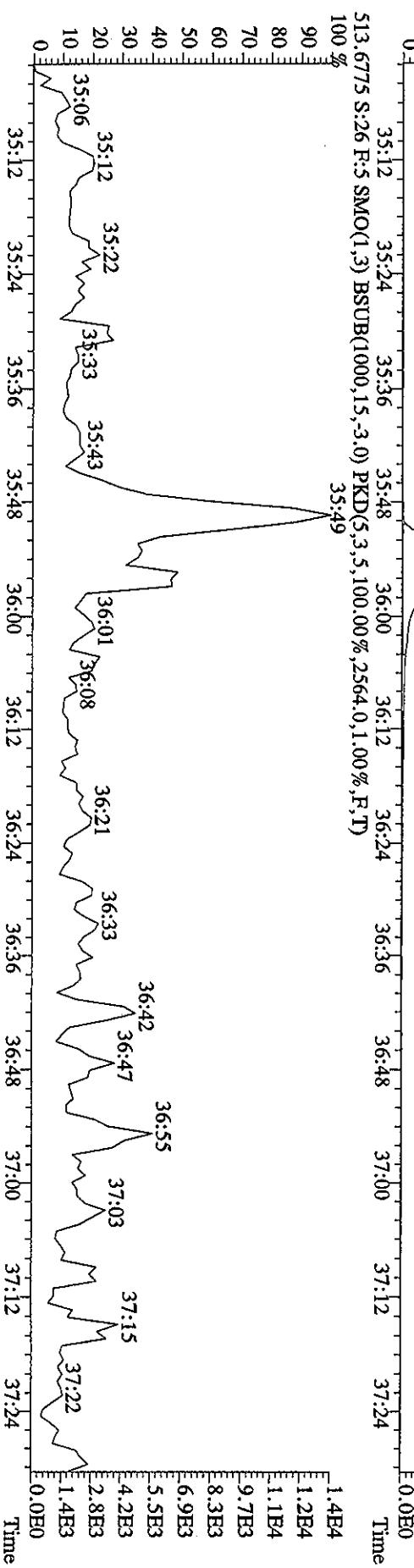
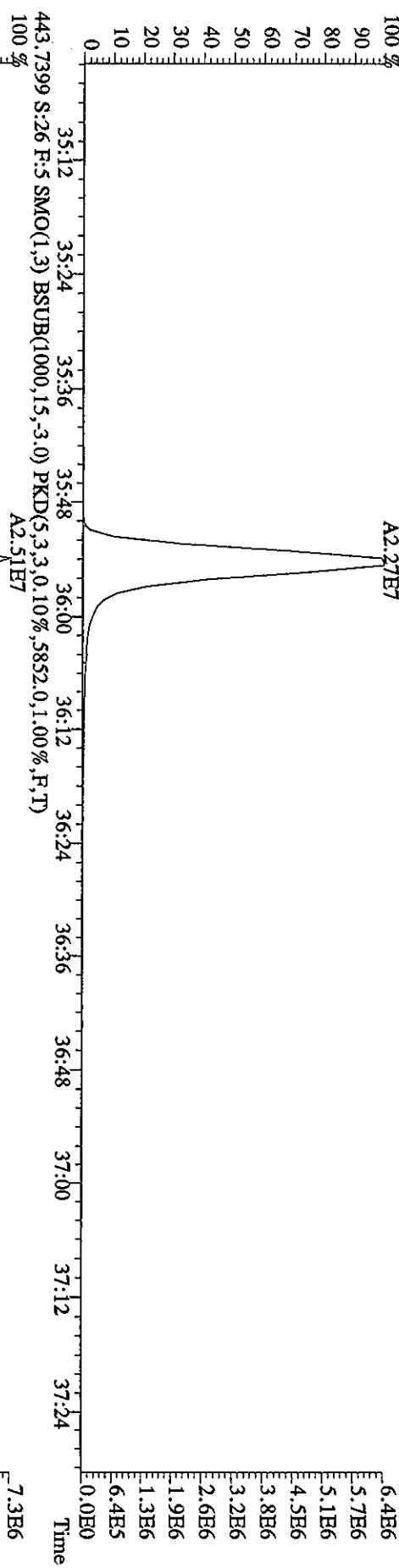
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN
 407.7818 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3356.0,1.00%,F,T)
 100 %



File:25MY06A9D5 #1-224 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#26 Text:H5169-1-AD 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 SIR Autospec-UltimaB
 Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN
 441.428 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4428.0,1.00%,F,T)
 A2.2/E7

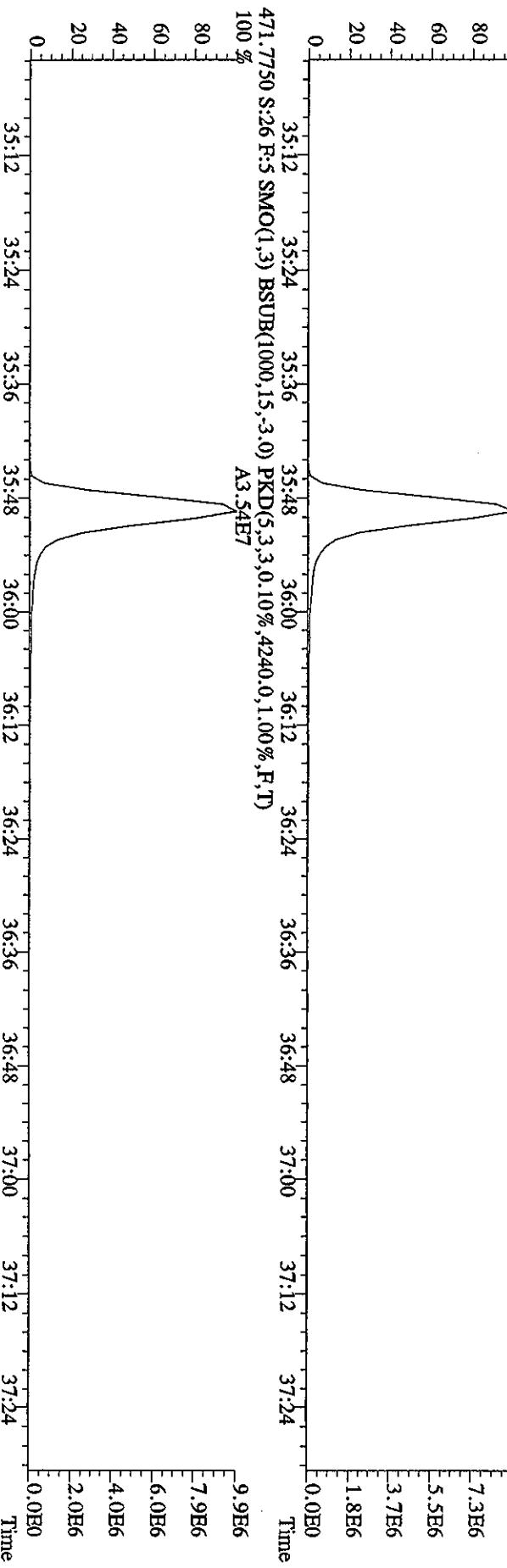
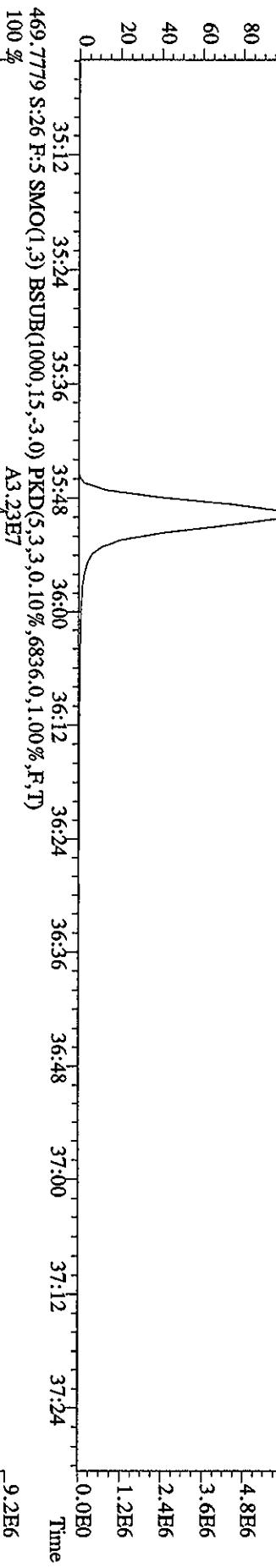
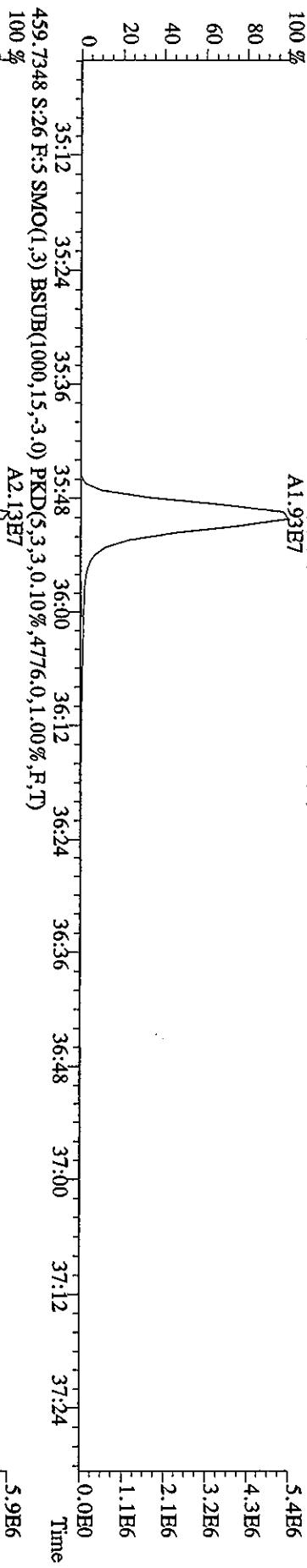


File:25MY06A9D5 #1-201 Acq:26-MAY-2006 14:37:03 GC El+ Voltage SIR Autospec-UltimaE

Sample#26 Text:HS169-1-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



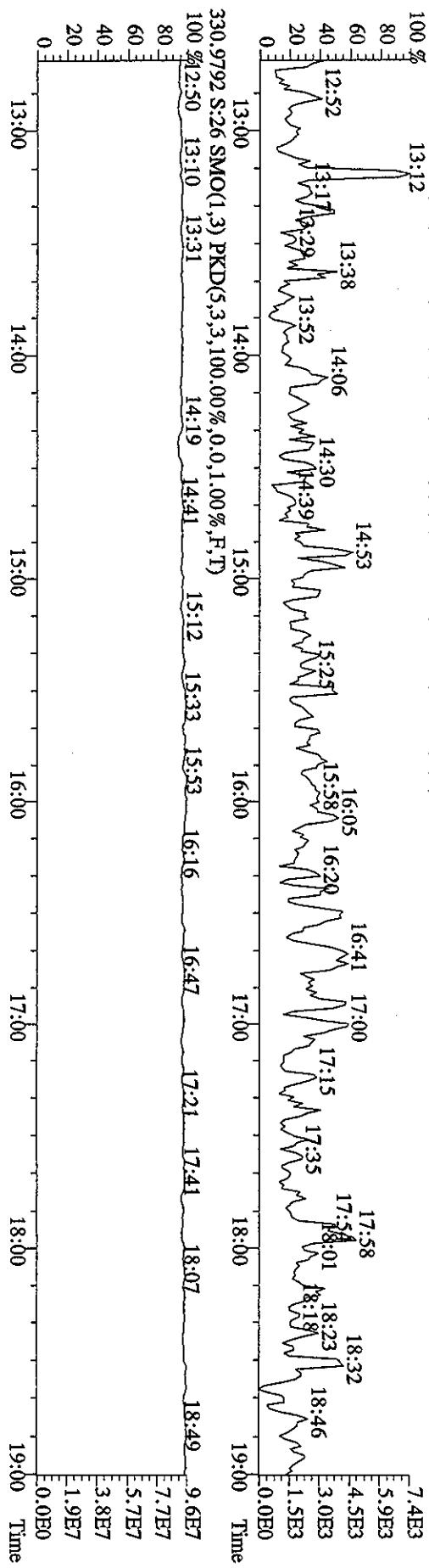
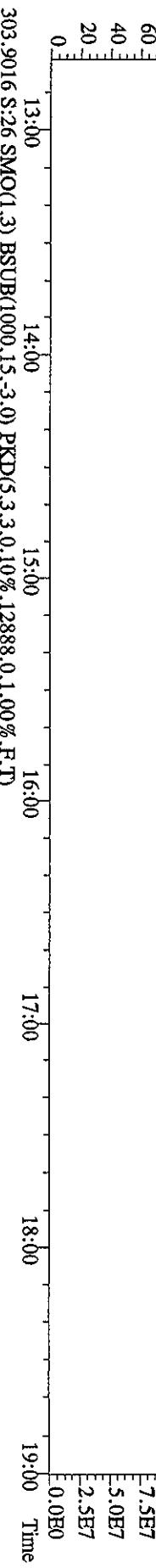
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE

Sample#26 Text:H5169-1-AD :G6B230000-628L

Exp:DIOXIN

292.9825 S:26 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

100 %



File:25MY06A9DS #1490 Acq:26-MAY-2006 14:37:03 GC El+ Voltage SIR 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

80 6.4E7

60 4.8E7

40 3.2E7

20 1.6E7

0 0.0E0

339.8597 S:26 R:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2620.0,1.00%,F,T)

A1.89E7

A1.96E7

3.4E6

2.7E6

2.0E6

1.4E6

6.8E5

0.0E0

341.8567 S:26 R:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3664.0,1.00%,F,T)

A1.27E7

A1.34E7

2.3E6

1.9E6

1.4E6

9.3E5

4.6E5

0.0E0

409.7974 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2472.0,1.00%,F,T)

100 %

80

60

40

20

0

20:00

21:00

22:00

23:00

24:00

25:00

Time

20:59

21:23

20:25

20:53

20:35

21:04

21:43

21:09

22:23

22:56

23:22

23:55

24:24

24:46

25:01

24:02

24:15

24:36

22:34

22:03

22:46

23:30

23:37

24:02

24:15

24:36

25:01

1.1E4

8.6E3

6.4E3

4.3E3

2.1E3

0

20:00 21:00 22:00 23:00 24:00 25:00 Time

Sample#26 Text:FF15169-1-AD :G6E230000-628L Exp:DIOXIN

392.9760 S:26 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

25:37 26:22 27:12 28:00 28:38 29:22 29:51 30:36

80 60 40 20 0

5.2E7

4.1E7

3.1E7

2.1E7

1.0E7

2.0E6

1.4E6

6.8E5

0.0E0

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)

100 80 60 40 20 0

3.4E6

2.7E6

2.0E6

1.4E6

6.3E5

0.0E0

375.8178 S:26 R:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)

100 80 60 40 20 0

3.4E6

2.7E6

2.0E6

1.4E6

6.3E5

0.0E0

445.7555 S:26 R:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3148.0,1.00%,F,T)

100 80 60 40 20 0

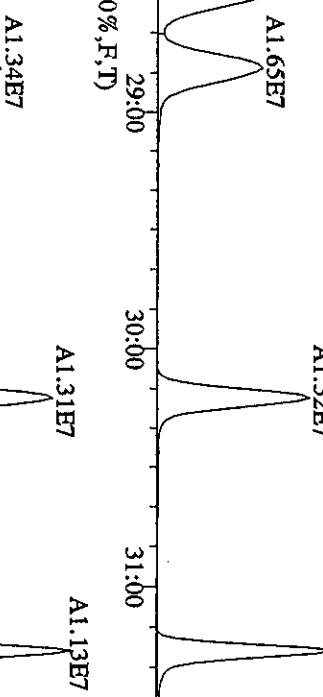
2.2E6

1.6E6

1.1E6

5.4E5

0.0E0



380.9760 S:26 R:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 80 60 40 20 0

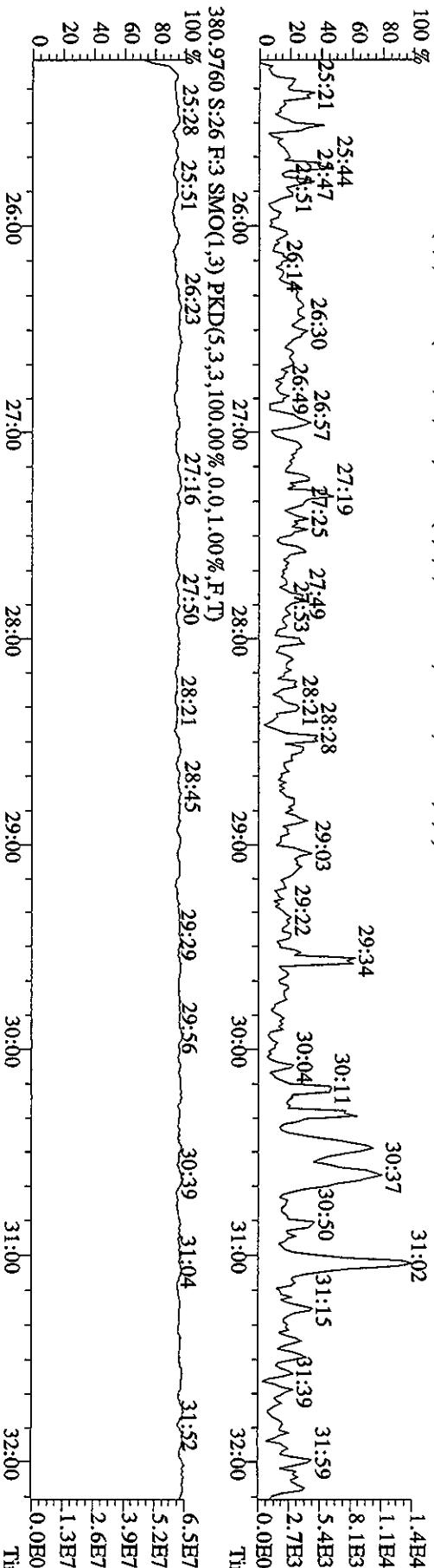
5.2E7

3.9E7

2.6E7

1.3E7

0.0E0



File:25MY06A9DS #1-224 Acq:26MAY2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaE

Sample#26 Text:H5169-1-AD :G6E230000-628L Exp:DIOXIN

430.9728 S:26 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 32:19 32:39 32:54 33:14 33:25 33:37 33:51 34:13 34:24 34:34 34:55 4.5E7

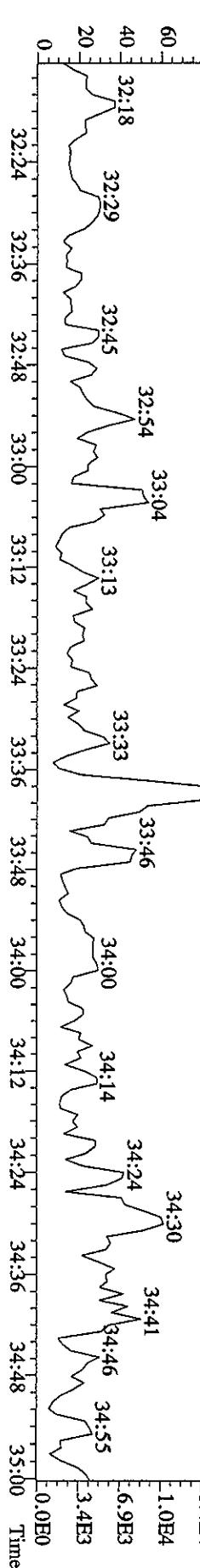
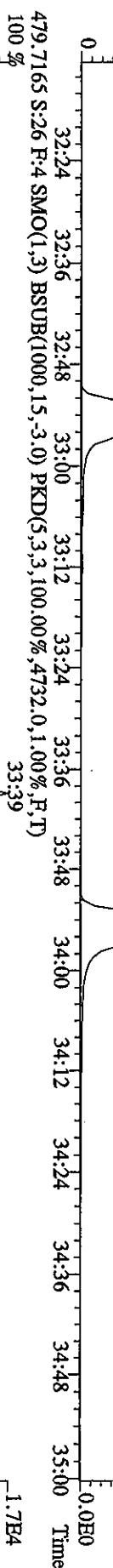
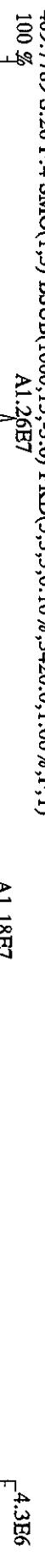
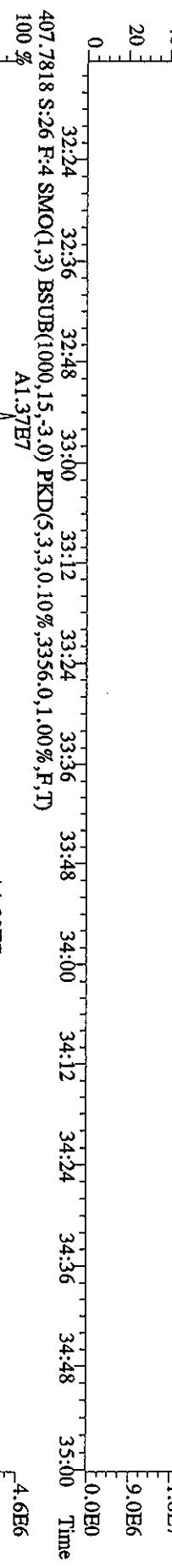
80 3.6E7

60 2.7E7

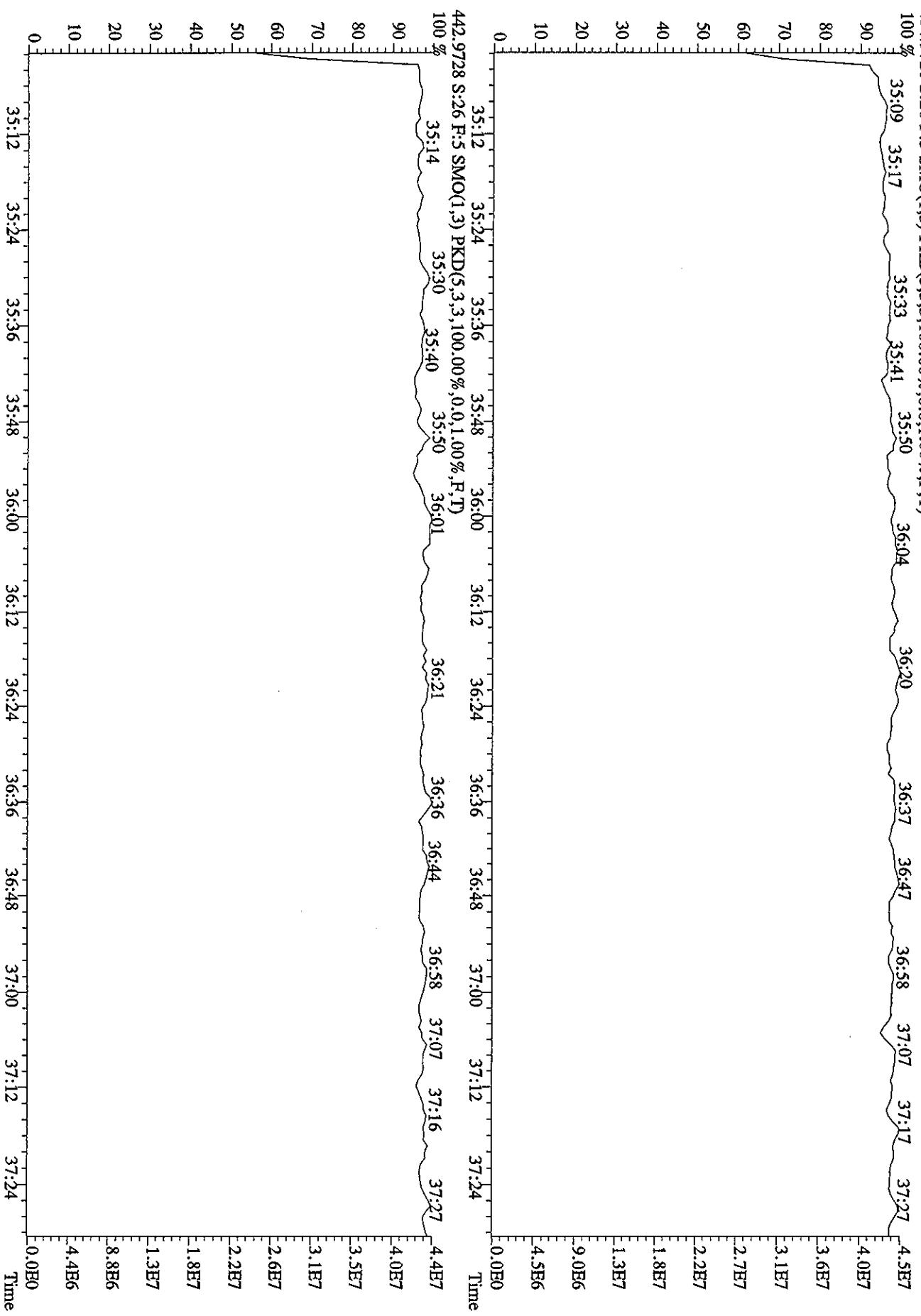
40 1.8E7

20 9.0E6

0 0.0E0 Time



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 14:37:03 GC EI+ Voltage SIR Autospec-UltimaB
Sample#26 Text:H5169-1.AD .G6E230000-628L Exp:DIOXIN
454.9728 S:26 F:5 SMO(1,3) PKD(S,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	2.15	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	*	3.37	-	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	0.76	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	2.92	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	2.92	7.49	8.24	-
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	*	5.17	5.62	-
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 AL	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	26.49 13.70 AL	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	丁 27.12 DL	1.99	-	n
Total HpCDD	925236	3.36	n	32:54	0.95	52.72 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

Totals Results STL Sacramento

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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: 25MY06A9

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

Totals Results STL Sacramento

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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: 25MY06A9

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

Name	#	R.T.	Ratio	Conc.	Area	S/N >?	Mod?
	1	16:01	1.71	n	2.15	55896	4.3 y n
						32703	3.1 y n

Totals Results STL Sacramento

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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: 25MY06A9

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

Totals Results STL Sacramento

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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: 25MY06A9~~T~~

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

Name	#	R.T.	Ratio	Conc.	Area	S/N >?	Mod?
	1	Not F T	*	n	*	*	*
					*	*	n n
					*	*	n n

Totals Results STL Sacramento

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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: 25MY06A9~~T~~

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

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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: 25MY06A9~~T~~

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: 25MY06A9

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

Name	#	R.T.	Ratio	Conc.	Area	S/N >?	Mod?
	1	Not F	*	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: 25MY06A9

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 151536	193193 27.4	21.8 y n
	2	33:06	0.97	y	3.38	34960 36063	4.3 4.9 y n
	3	33:12	0.85	n	6.42	68773 80650	7.8 14.2 y n
	4	33:40	1.76	n	0.60	10935 6204	1.3 1.3 n n
1,2,3,4,7,8,9-HpCDF	5	33:55	1.01	y	2.38	23246 23037	2.9 4.0 n n y n

Run Text: H5A49-1-AA

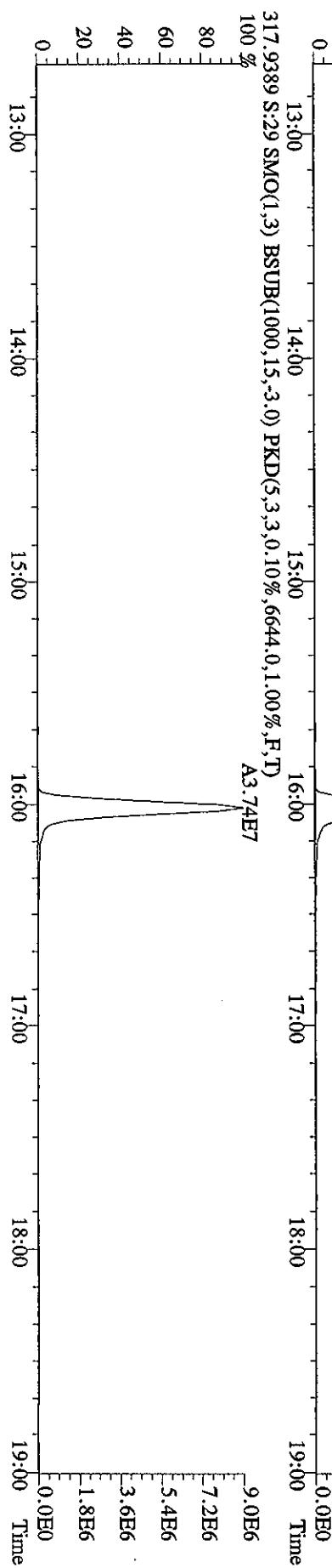
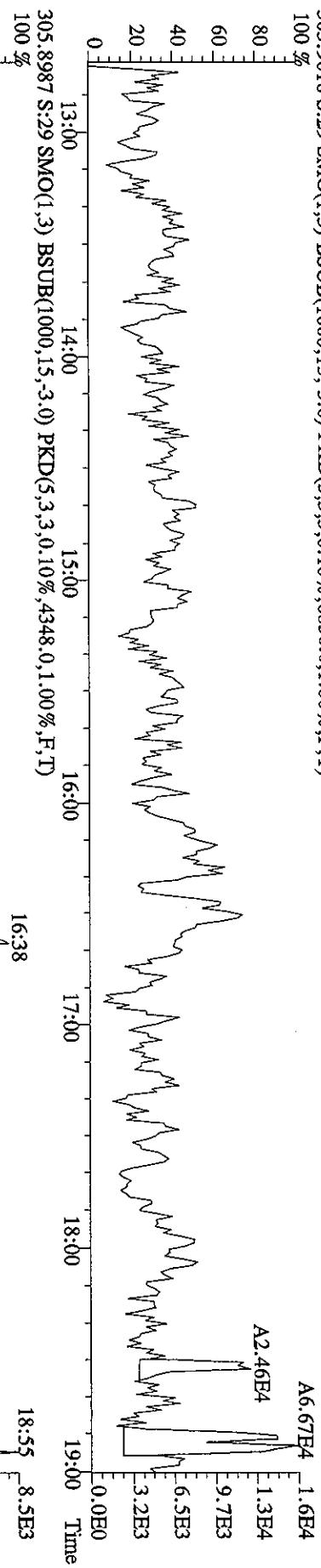
Sample text: H5A49-1-AA :G6E120362-1

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: 25MY06A9

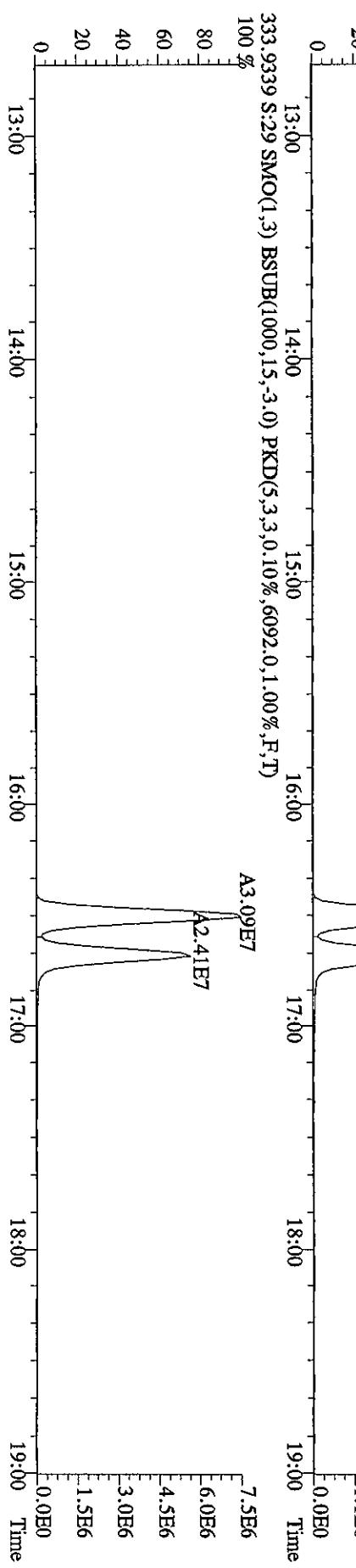
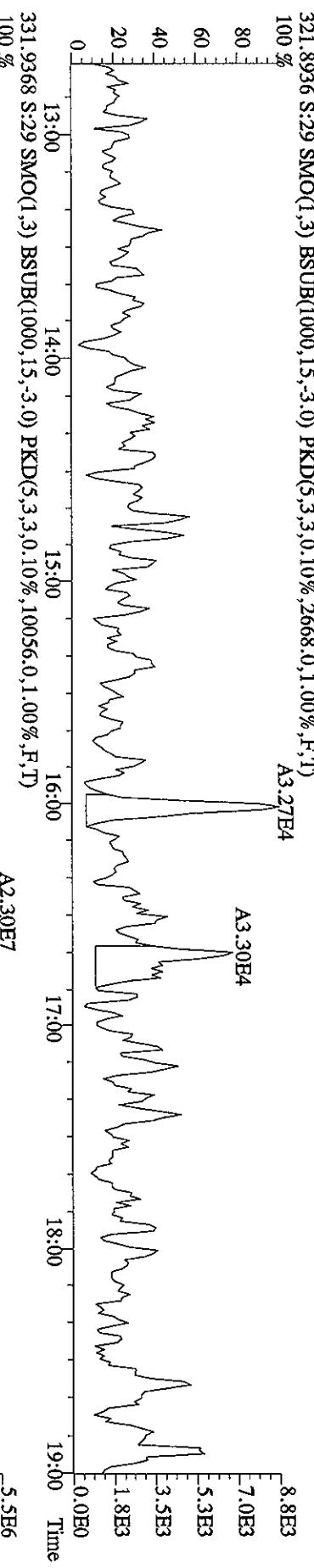
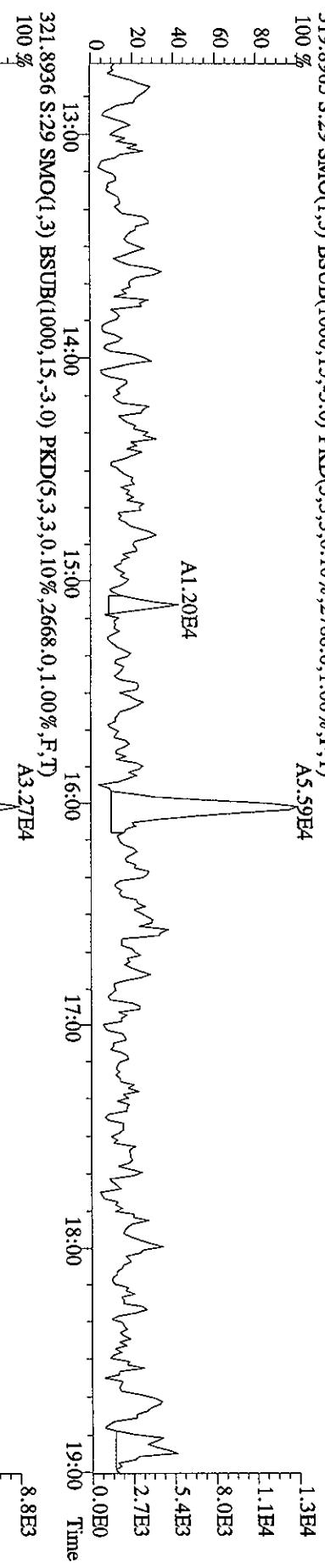
Amount:	53.61 of which	27.57 named and	26.04 unnamed
Conc:	52.72 of which	27.12 named and	25.61 unnamed

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

File:25MY06A9D5 #1-439 Acq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaB
 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%,4348.0,1.00%,F,T)
 100 %
 80
 60
 40
 20
 0



File:25MY06A9D5 #1-439 Acq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE
 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 %



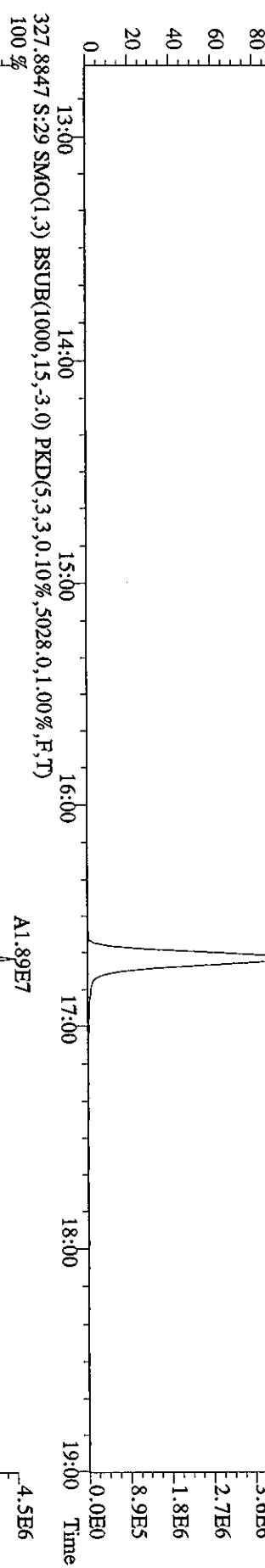
File:25MY06A9D5 #1439 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-UltimaB

Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN

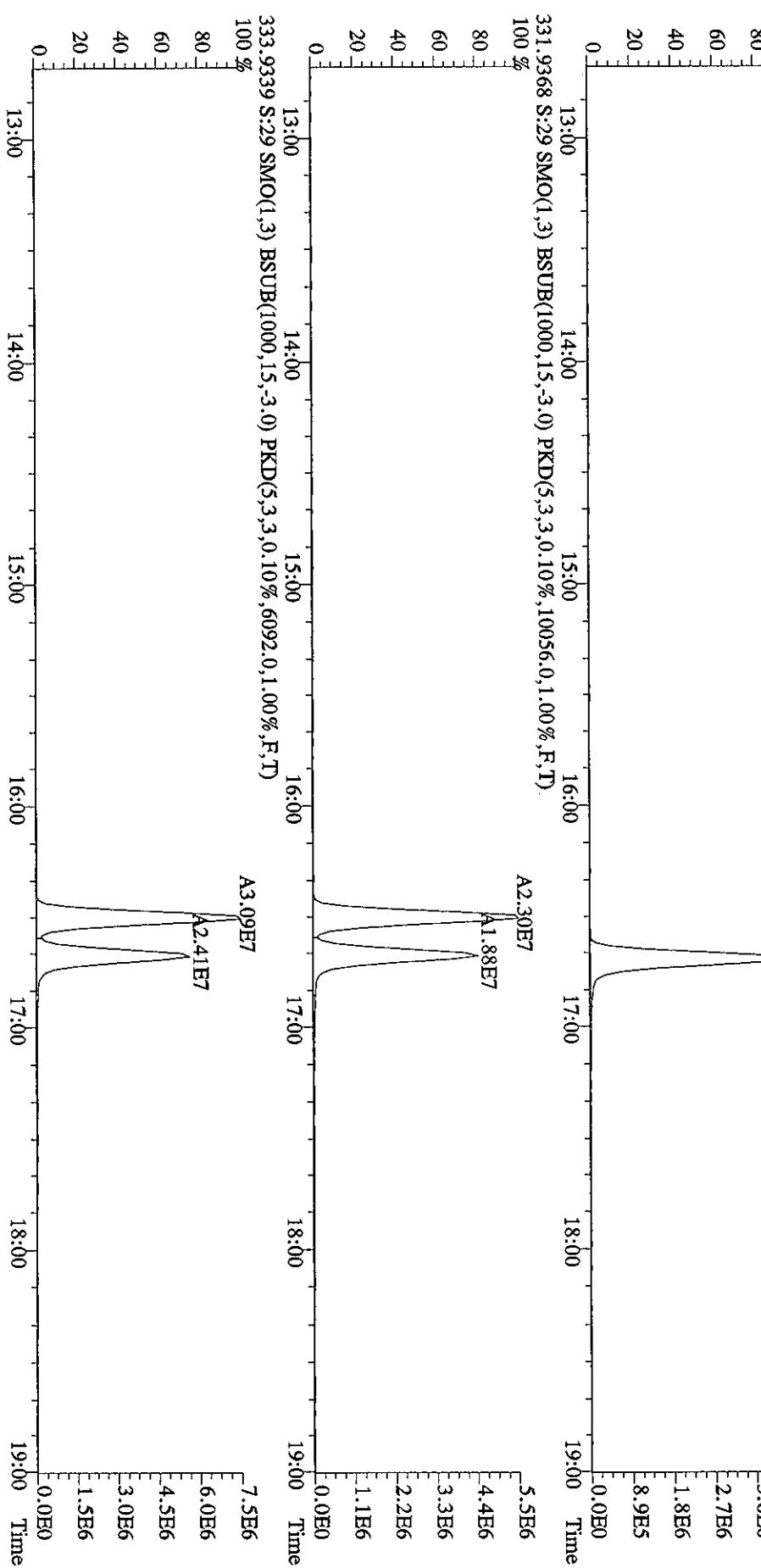
327.8847 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5028.0,1.00%,F,T)

331.9368 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10056.0,1.00%,F,T)

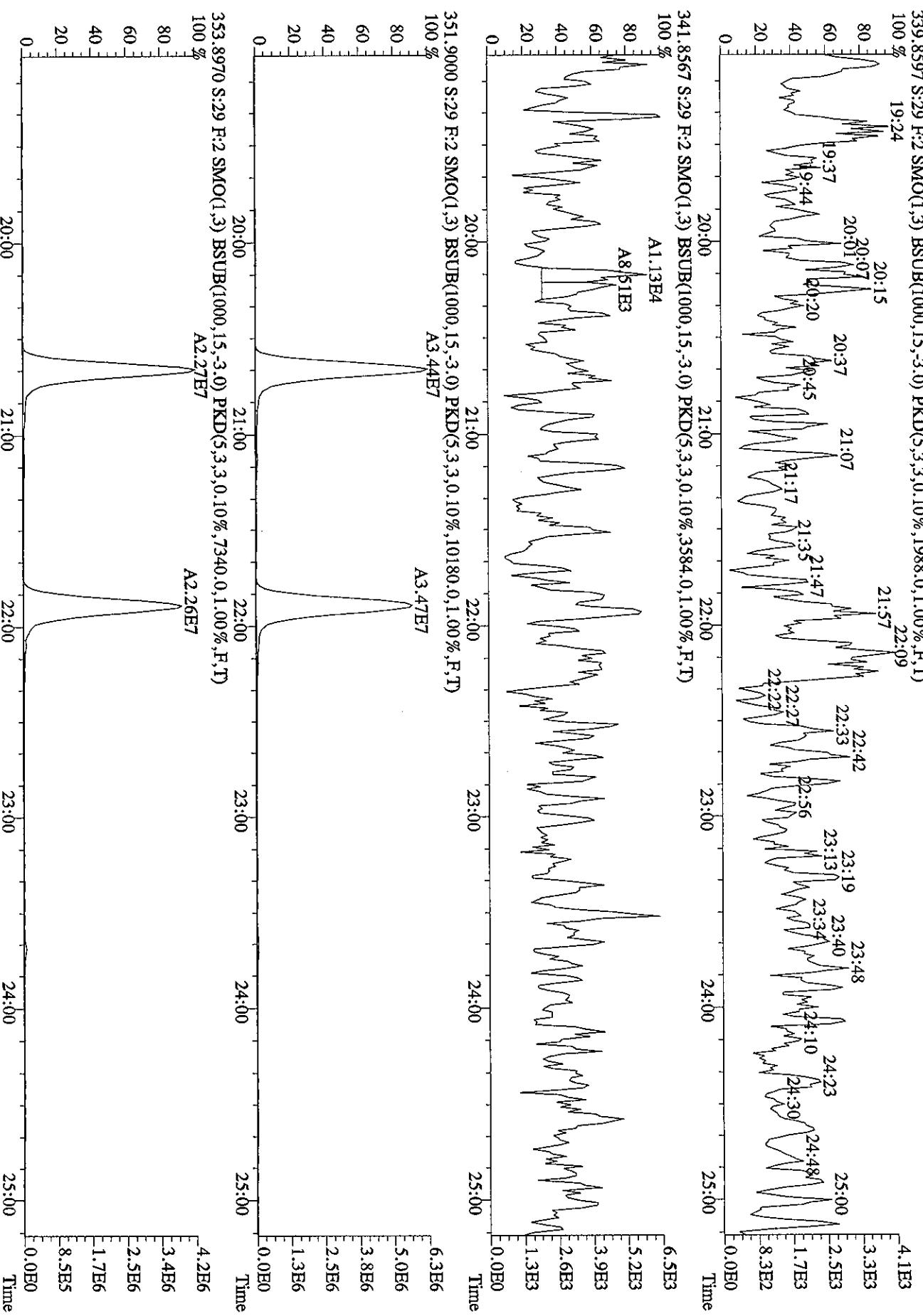
A1.89E7 4.5E6
3.6E6
2.7E6
1.8E6
8.9E5
0.0E0



A1.89E7 4.5E6
3.6E6
2.7E6
1.8E6
8.9E5
0.0E0

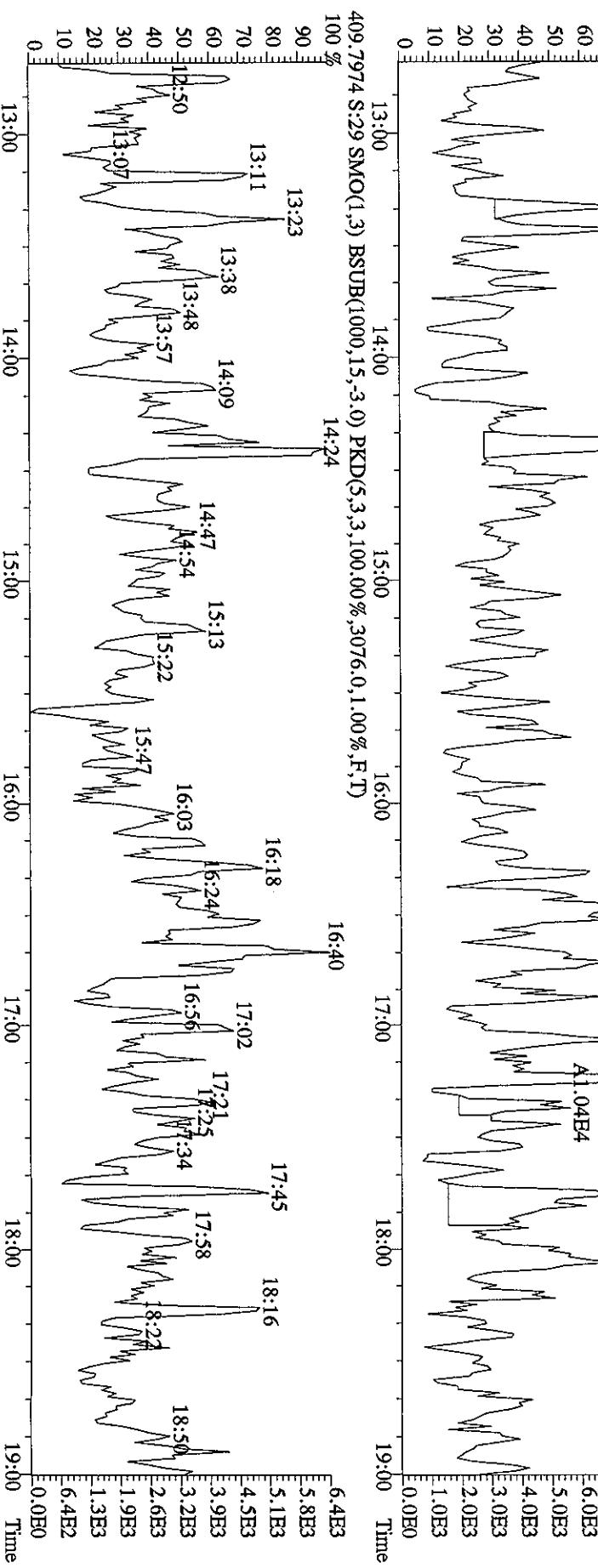
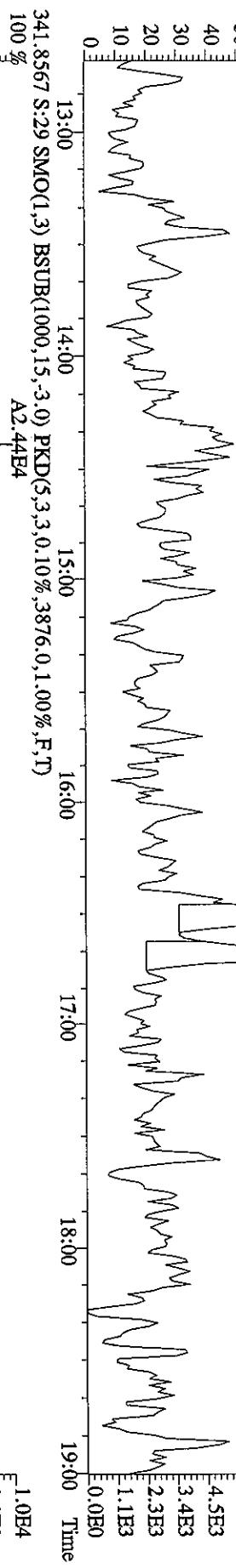


File:25MY06A9D5 #1-491 Aeq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE
Sample#29 Text:H15A49-1-AA :G6E120362-1 Exp:DIOXIN
339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1988.0,1.00%,F,T)



File:25MY06A9D5 #1-439 Aq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE
 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)
 100 %
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

A3.06E4
 A2.98E4
 1.1E4
 9.0E3
 7.9E3
 6.8E3
 5.6E3
 4.5E3
 3.4E3
 2.3E3
 1.1E3
 0.0E0



File:25MY06A9D5 #1-491 Acq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE
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

1.1E4
8.4E3
6.3E3
4.2E3
2.1E3
0.0E0

A2.82E4 A2.20E4
A5.62E3

357.8516 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2136.0,1.00%,F,T)
100 %

4.1E3
3.3E3
2.5E3
1.6E3
8.2E2
0.0E0

367.8949 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3816.0,1.00%,F,T)
100 % A1.94E7

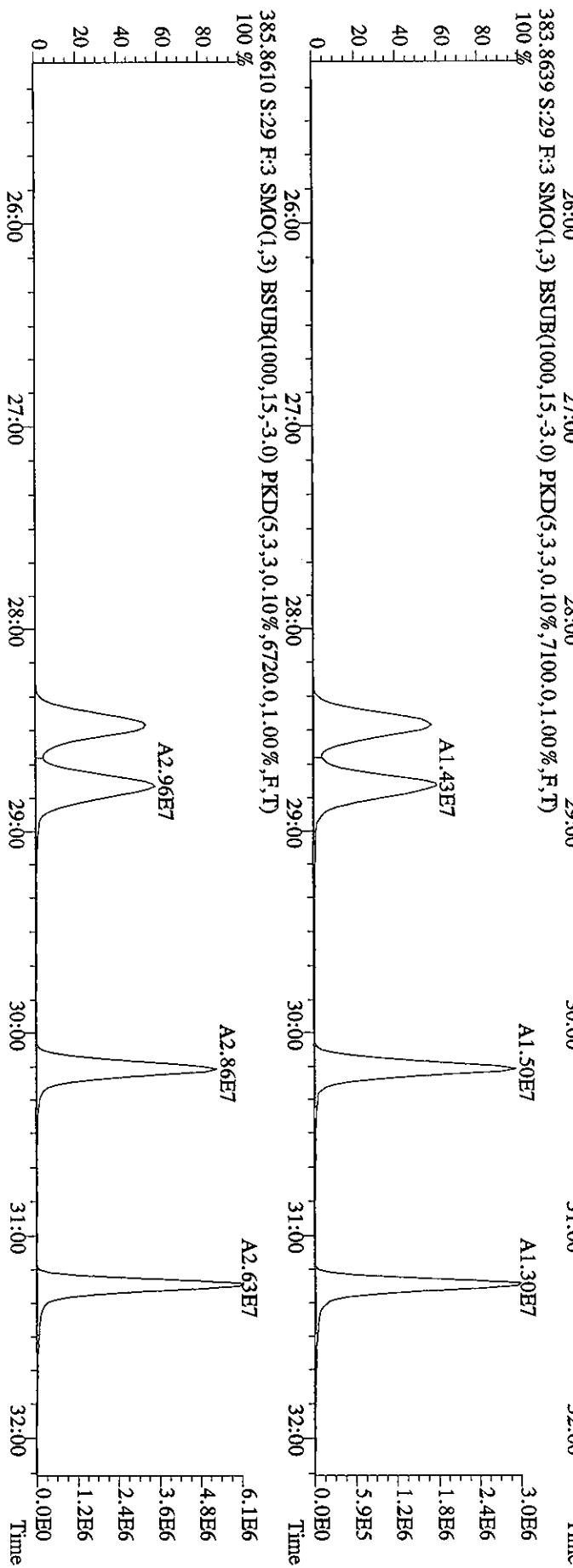
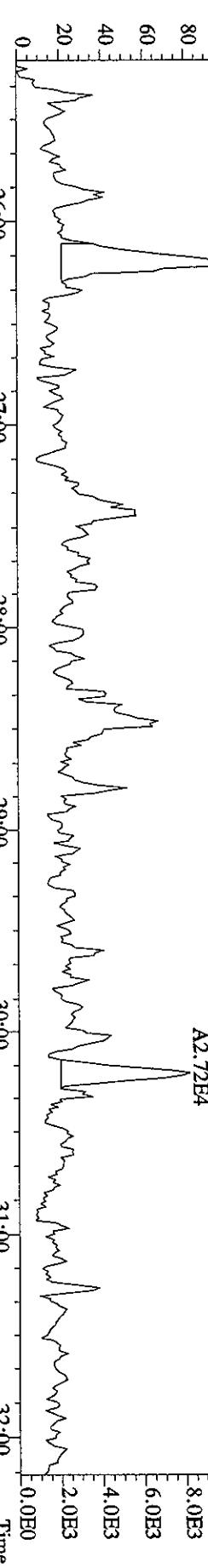
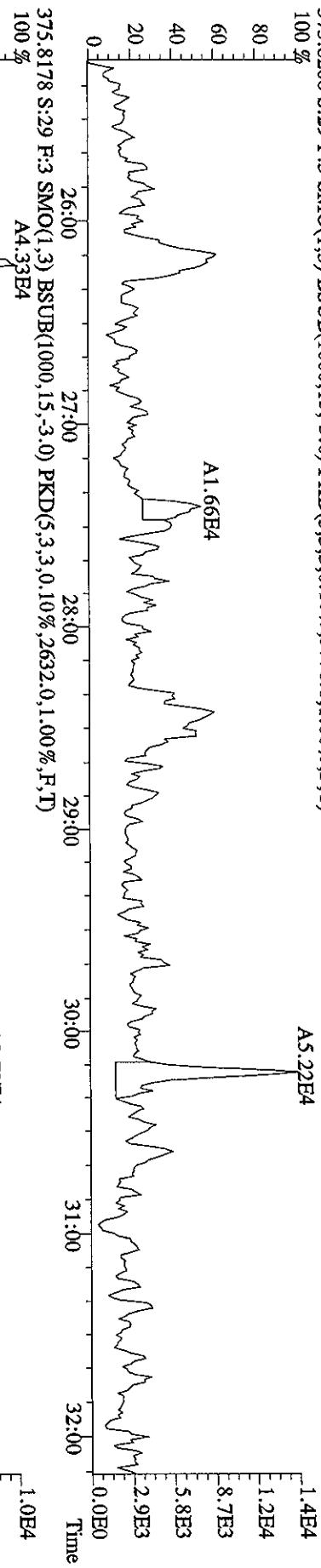
3.2E6
2.6E6
1.9E6
1.3E6
6.4E5
0.0E0

369.8919 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2908.0,1.00%,F,T)
100 % A1.27E7

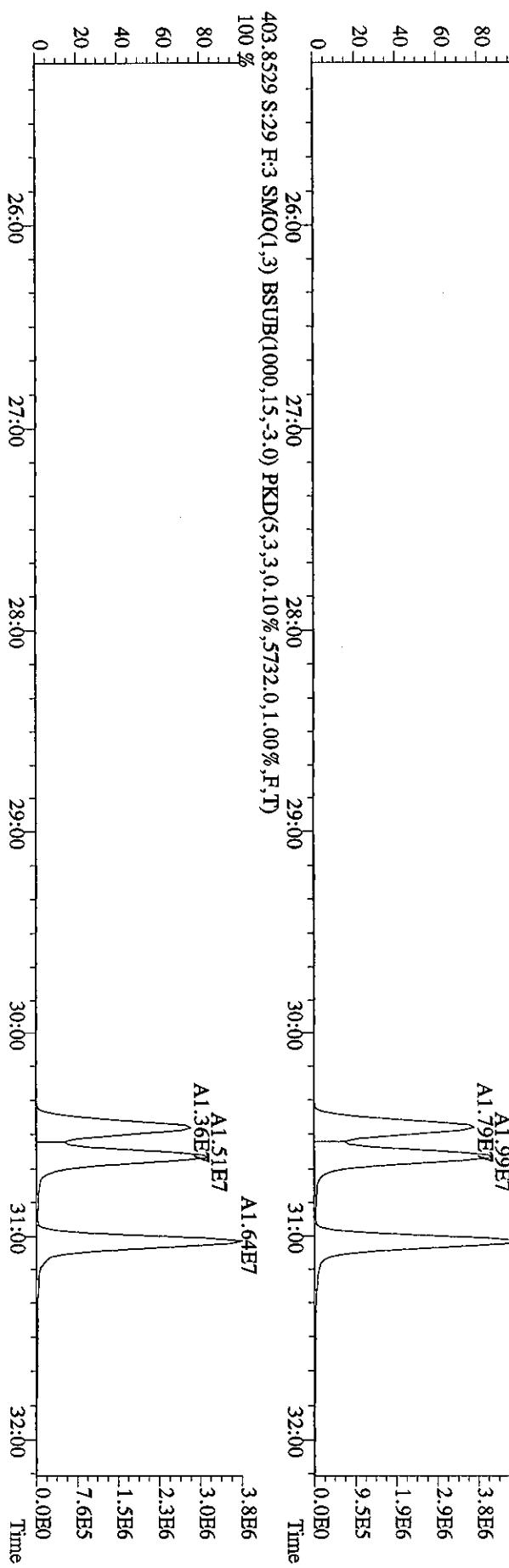
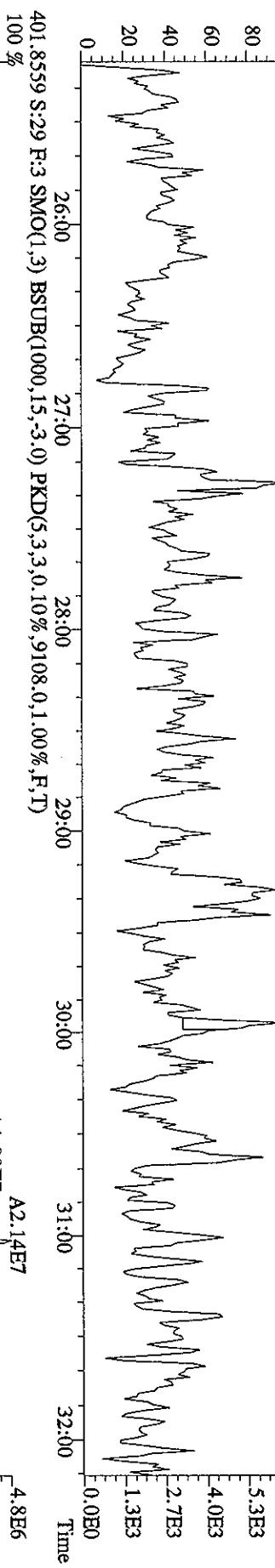
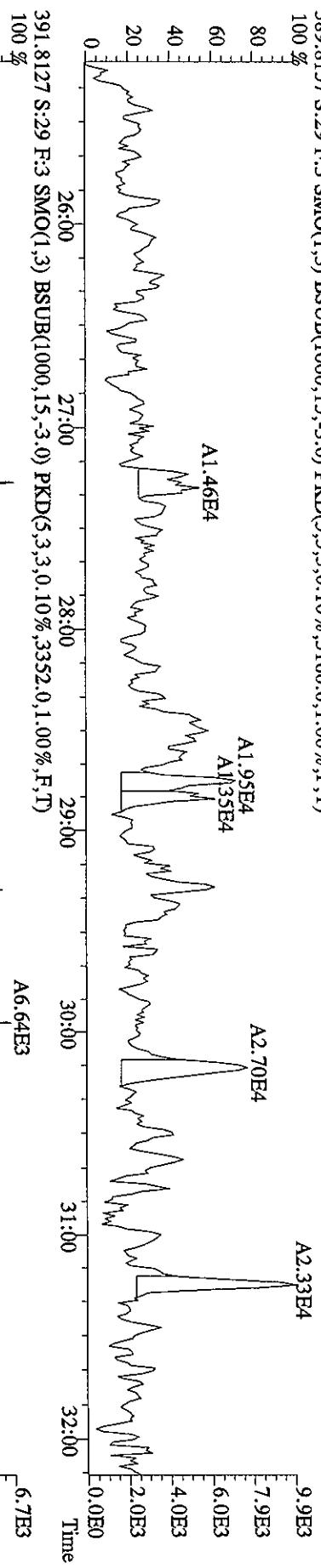
2.1E6
1.7E6
1.3E6
8.4E5
4.2E5
0.0E0

20:00 21:00 22:00 23:00 24:00 25:00 Time
20 40 60 80 100 %

File:25MY06A9D5 #1-528 Acq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE
 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%,3776.0,1.00%,F,T)
 100 %
 80
 60
 40
 20
 0

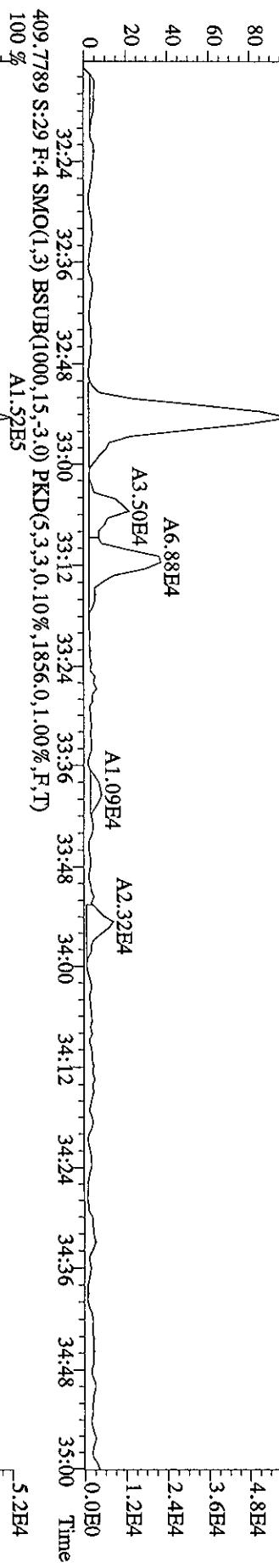


File:25MY06A9D5 #1-528 Acc:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#29 Text:HS-A49-1-AA :G6E120362-1 Exp:DIOXIN
 389.8157 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3160.0,1.00%,F,T)
 100 %



File:25MY06A9D5 #1-224 Acq:26-MAY-2006 16:41:48 GC EI+ 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

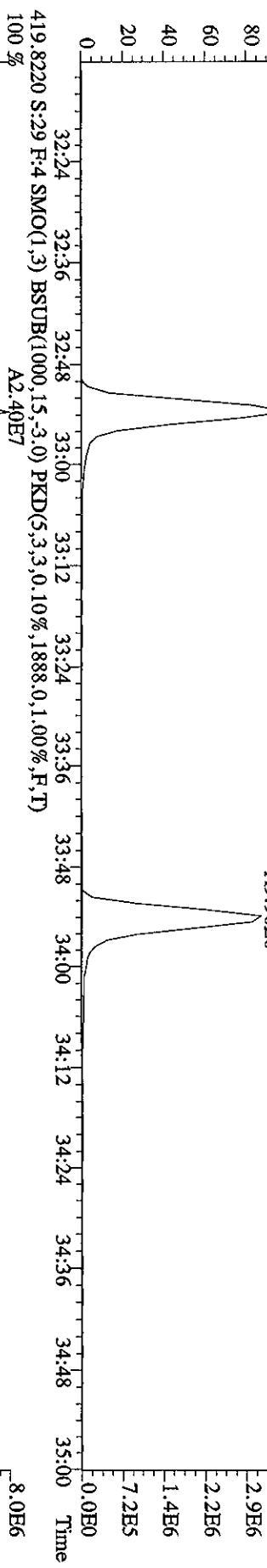
6.0E4
4.8E4
3.6E4
2.4E4
1.2E4
0.0E0 Time



409.7789 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1856.0,1.00%,F,T)
100 % A1.08E7

5.2E4
4.2E4
3.1E4
2.1E4
1.0E4
0.0E0 Time

3.6E6
2.9E6
2.2E6
1.4E6
7.2E5
0.0E0 Time



417.8253 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5056.0,1.00%,F,T)
100 %

8.0E6
6.4E6
4.8E6
3.2E6
1.6E6
0.0E0 Time

File:25MY06A9D5 #1-224 A:q:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaB

Sample#29 Text:H5A49-1-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)

100 % A2.30E5

8.0E4

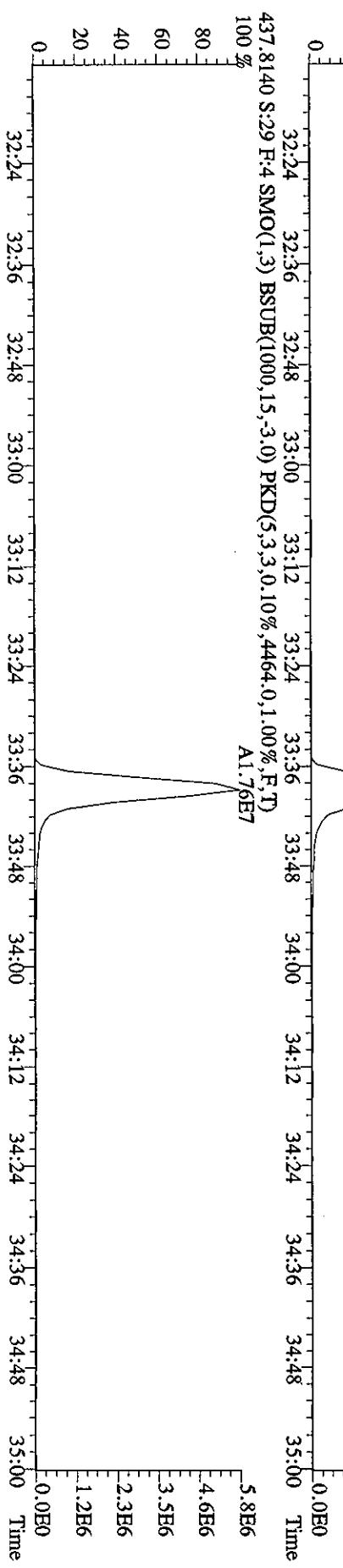
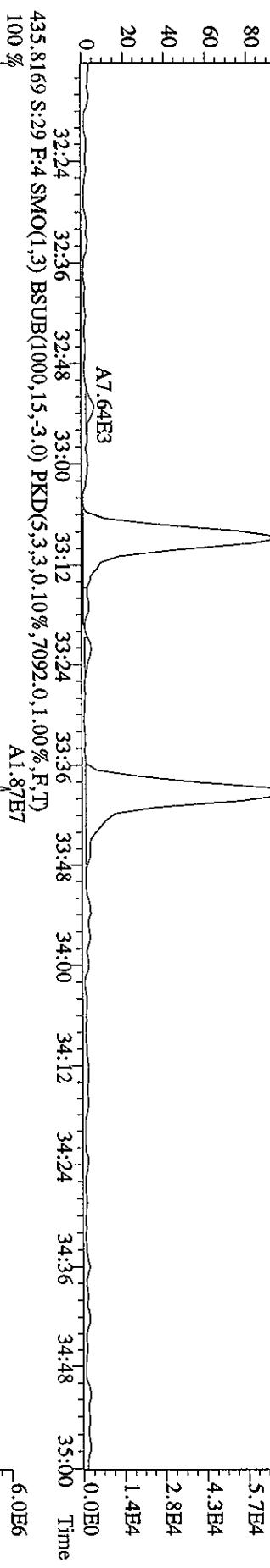
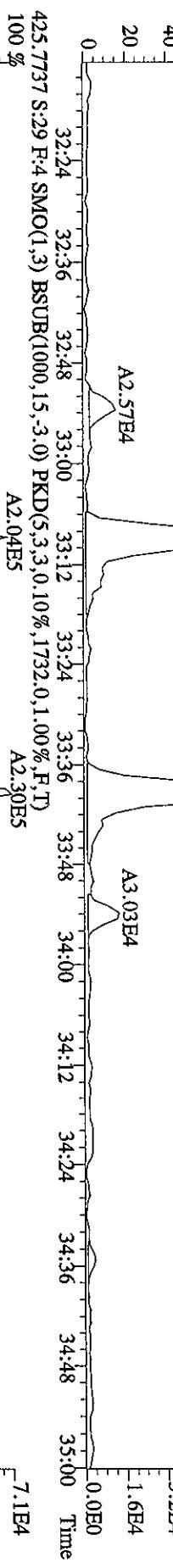
6.4E4

4.8E4

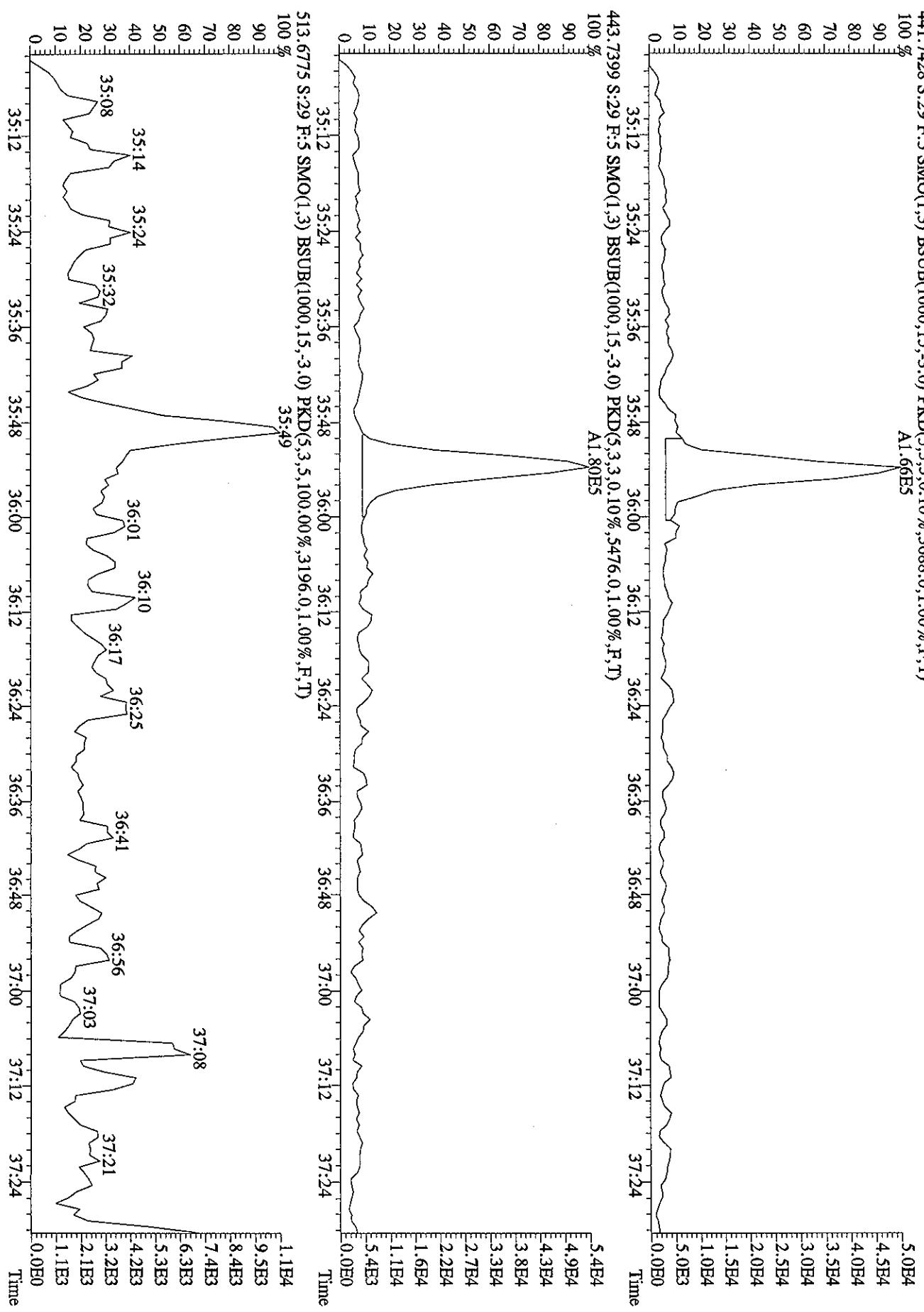
3.2E4

1.6E4

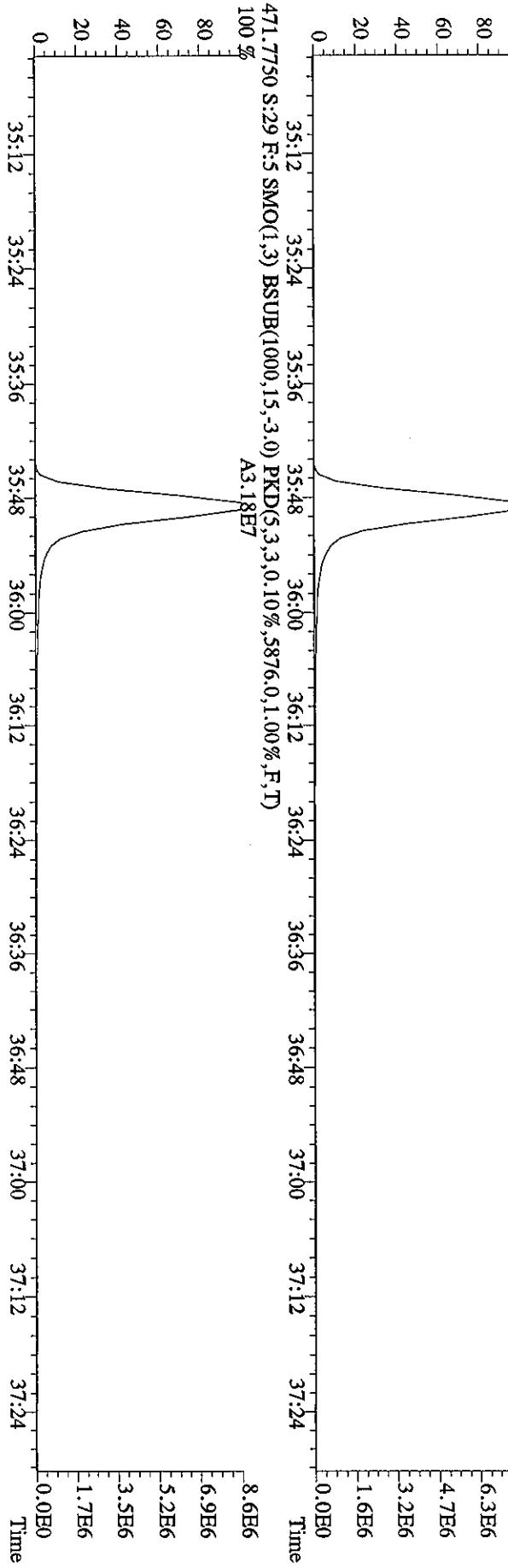
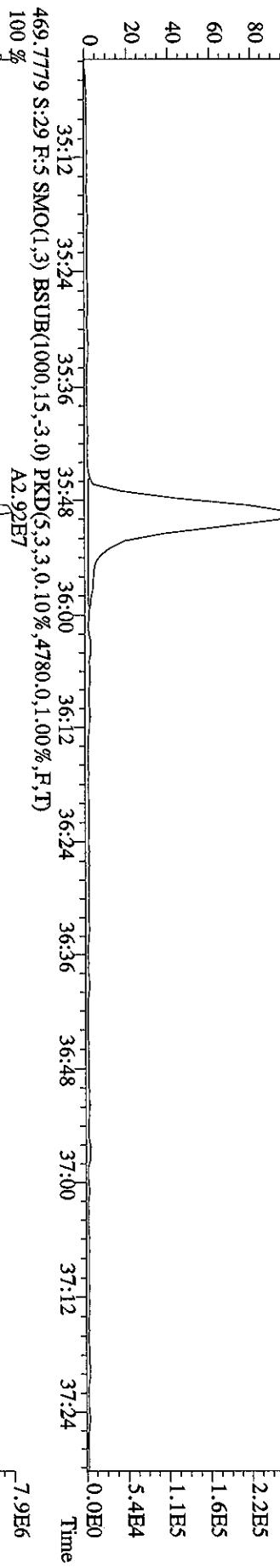
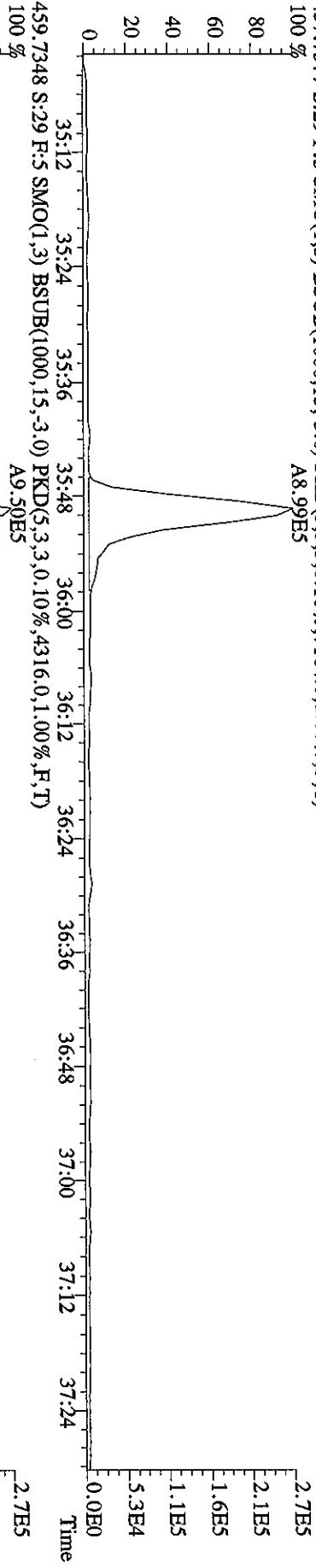
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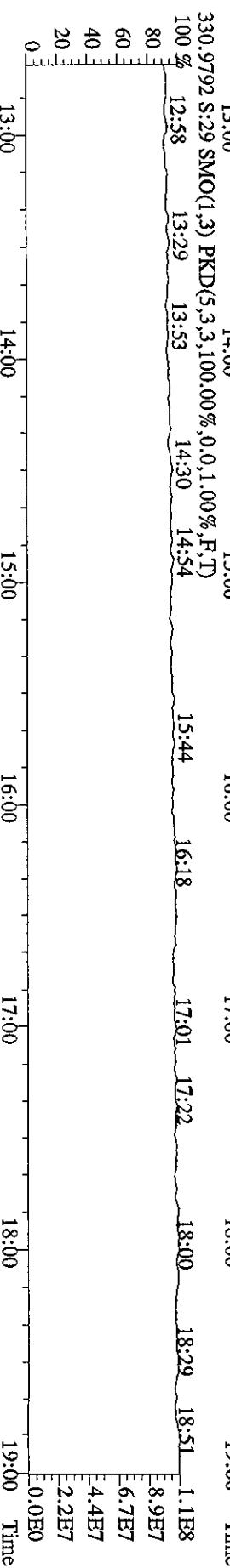
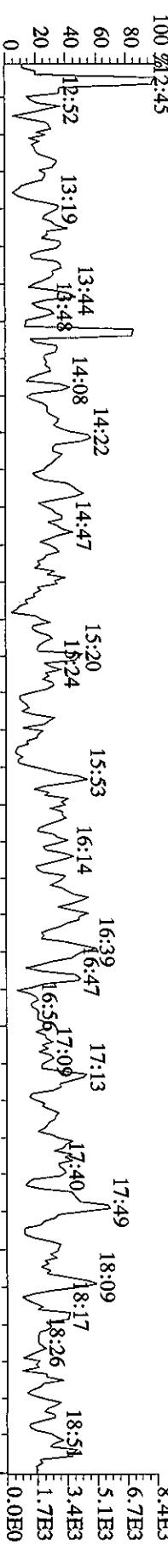
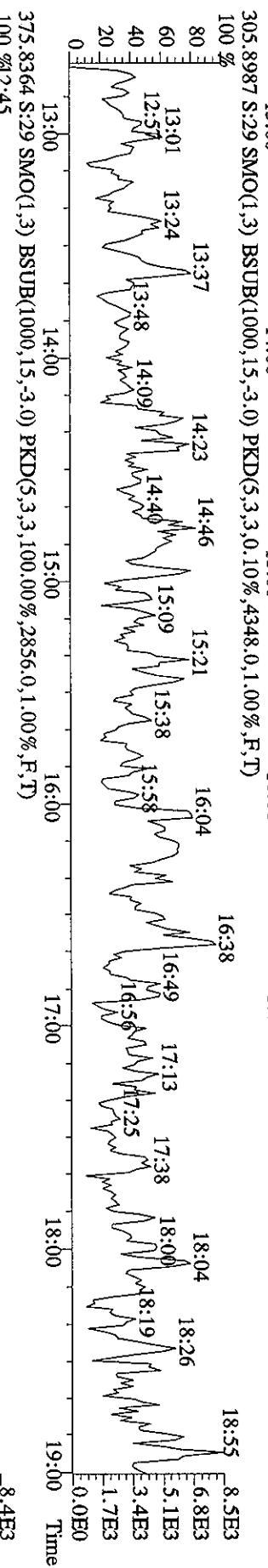
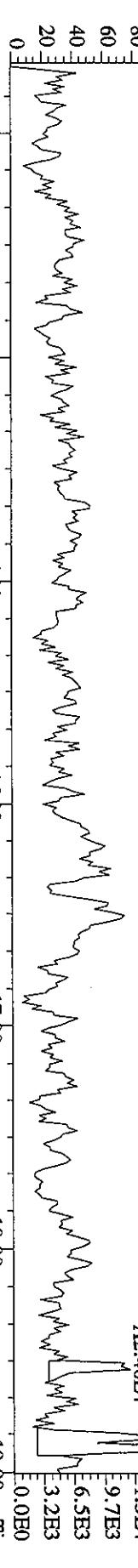
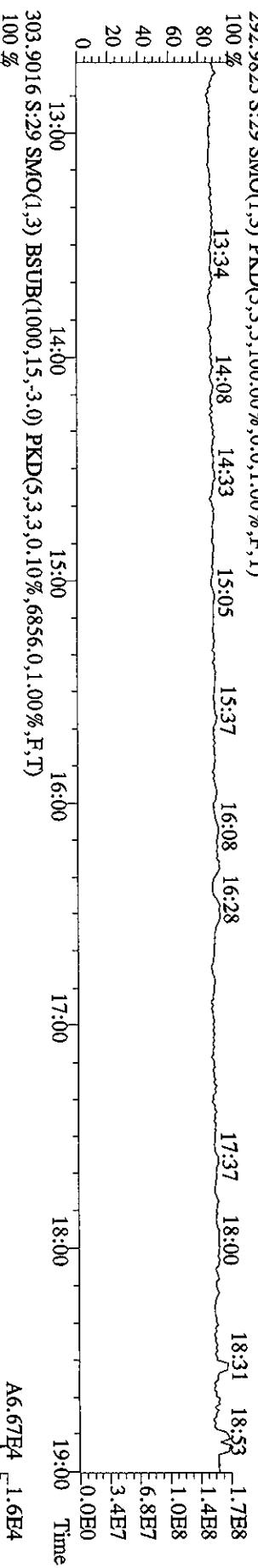
File:25MY06A9D5 #1-201 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:H5A49-1-AA ;G6E120362-1 Exp:DIOXIN
441.7428 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3688.0,1.00%,F,T)
A1.80E5



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#29 Text:H3A49-1-AA :G6E120362-1 Exp:DIOXIN
 457.7377 S:29 R:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7164.0,1.00%,F,T)
 A8.99E5



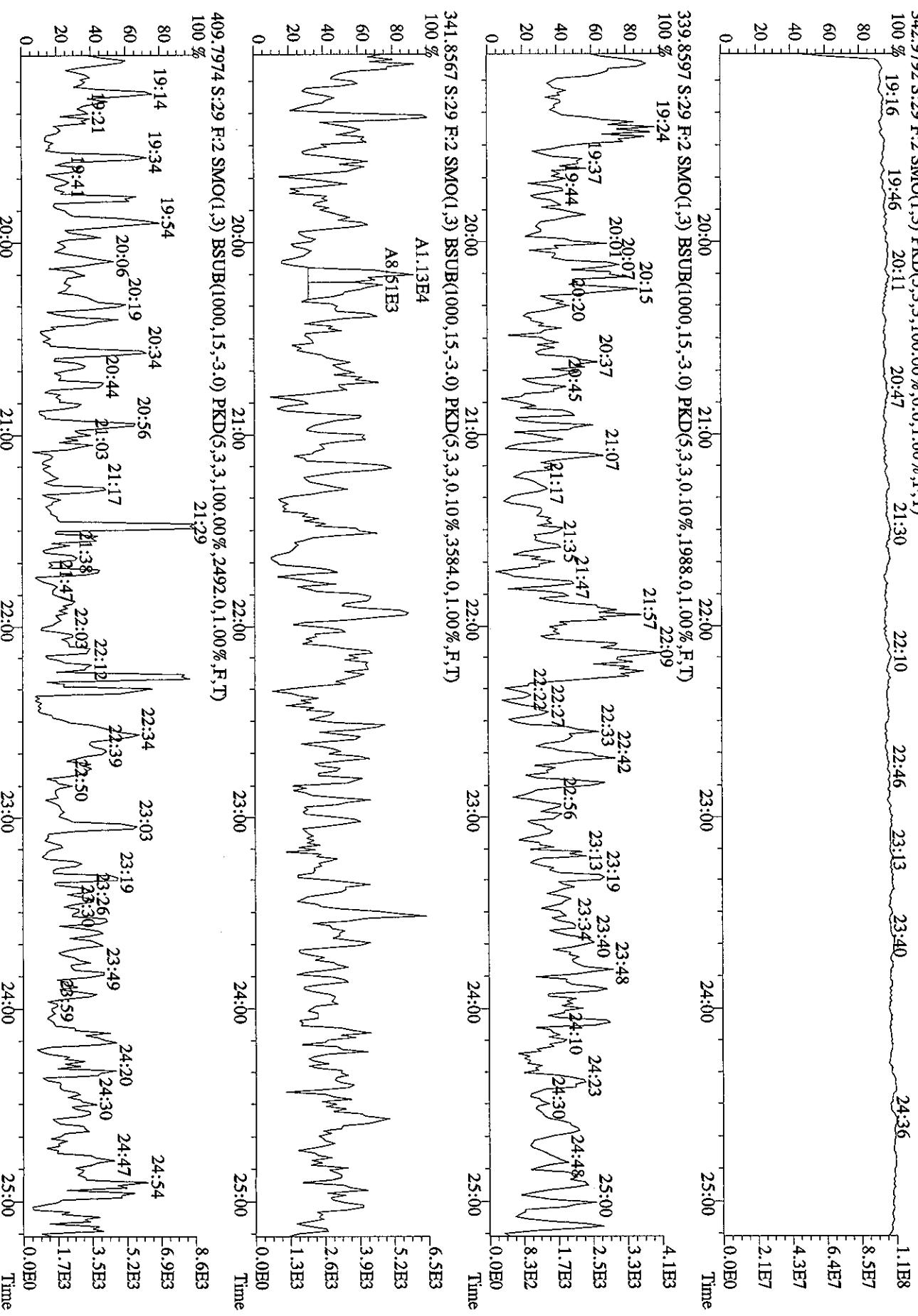
File:25MY06A9D5 #1-439 Acc:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE
 Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN
 292.9825 S:29 SMO(1,3) PKD(5,3,5,100.00%,0,0.1.00%,F,T)



File:25MY06A9D5 #1491 Acq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE

Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:D10XIM

342.9792 S:29 F:2 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%:F,T)



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-UltimaE

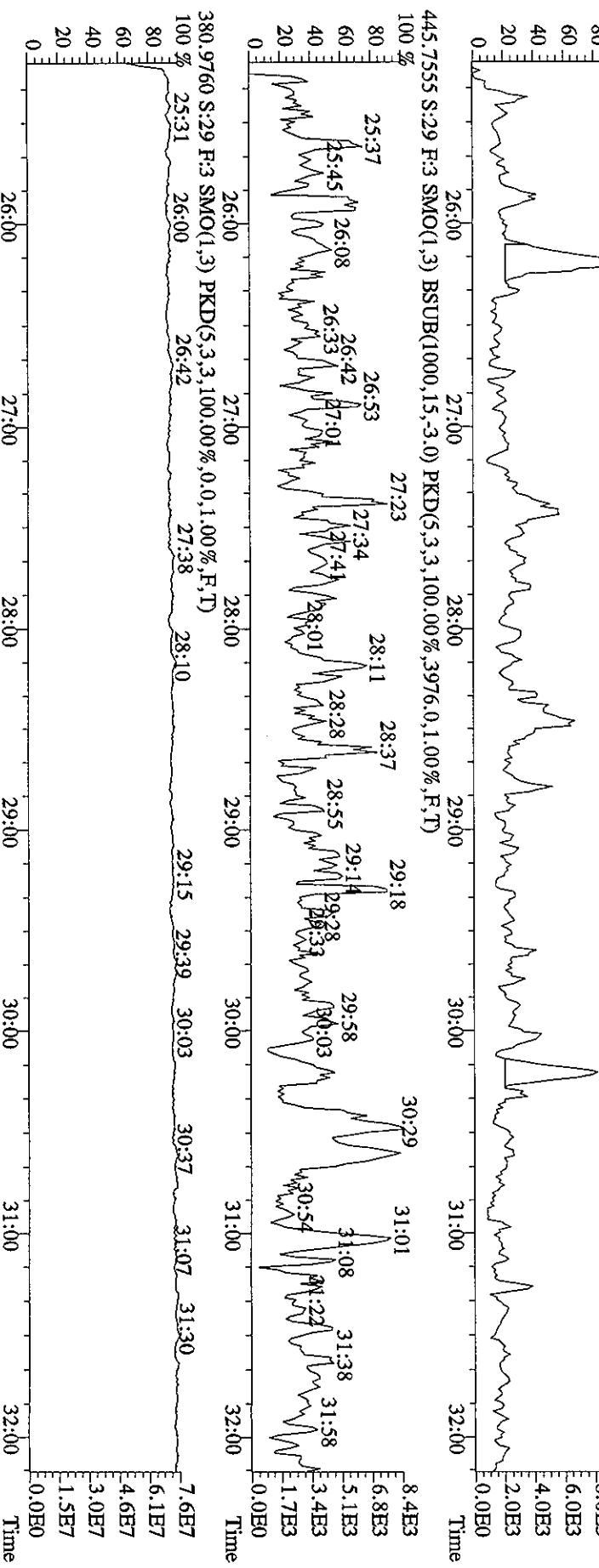
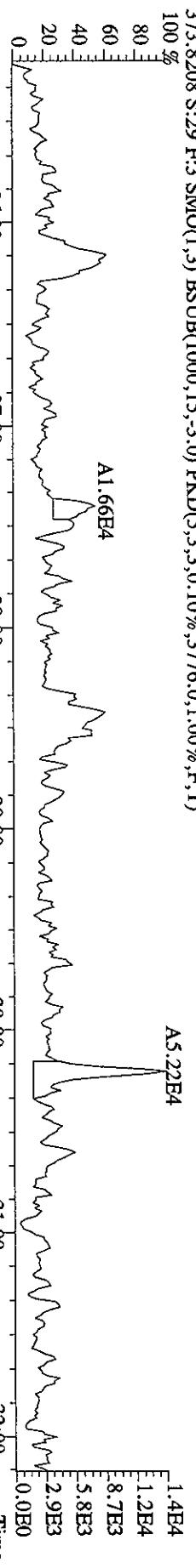
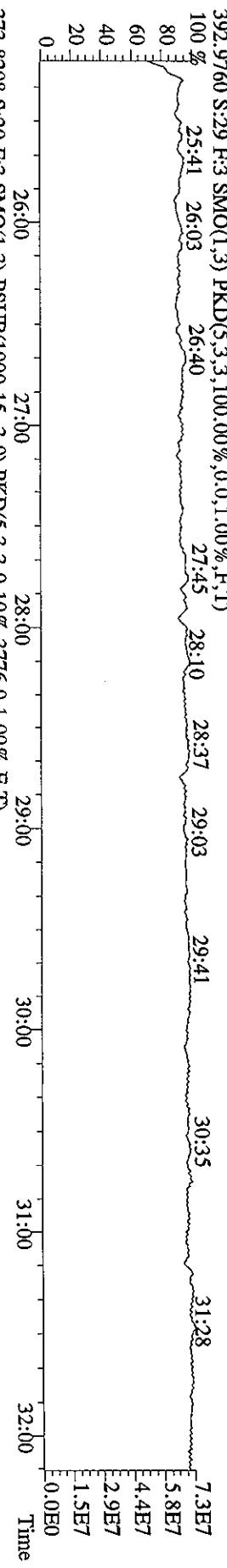
Sample#29 Text:H5A49-1-AA :G6E120362-1 Exp:DIOXIN

392.9760 S:29 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

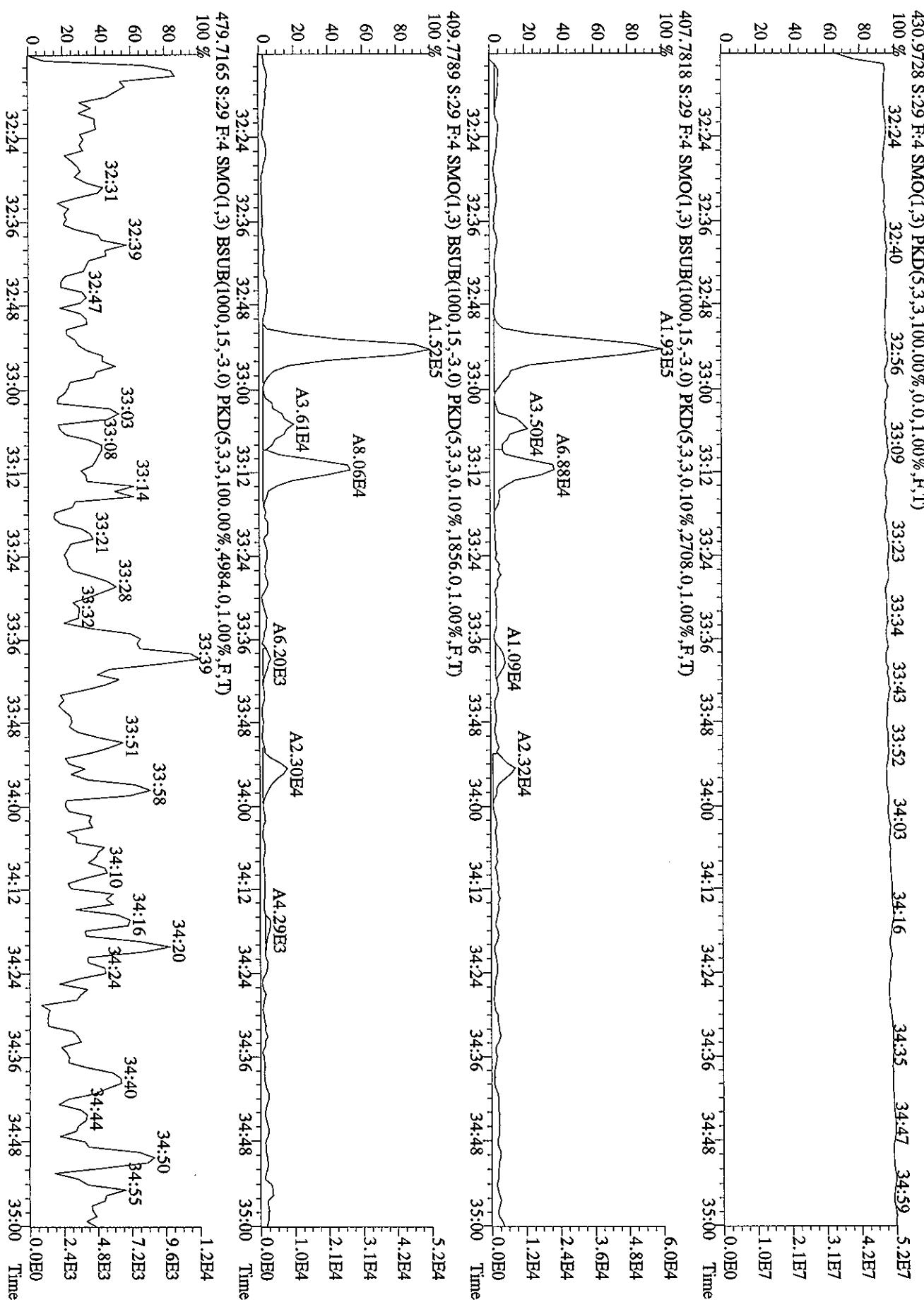
100 % 25:41 26:03 26:40 27:45 28:10 28:37 29:03 29:41 30:35 31:28

80 7.3E7
60 5.8E7
40 4.4E7
20 2.9E7
0 1.5E7
0.0E0

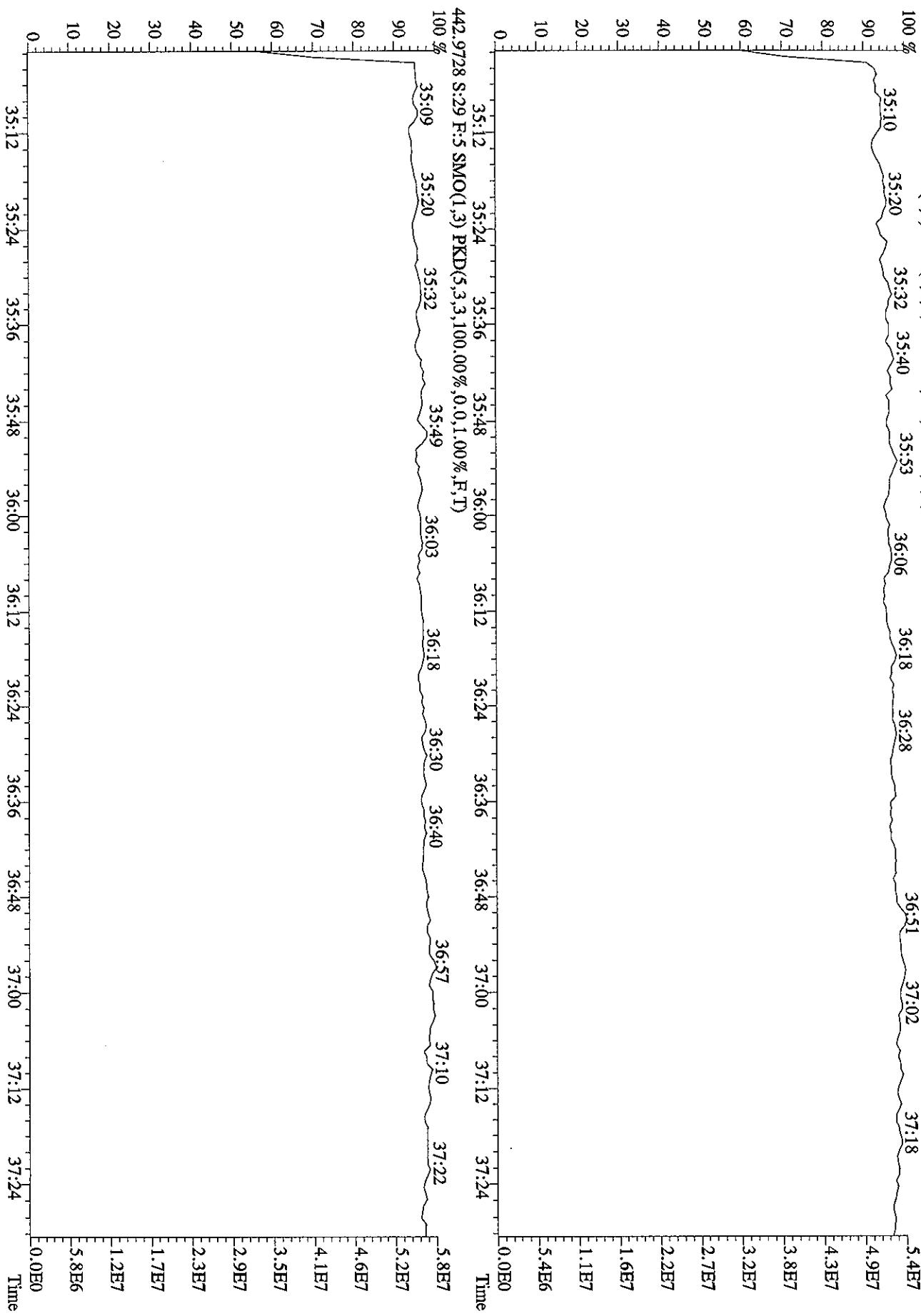
Time



File:25MY06A9D5 #1-224 Acq:26-MAY-2006 16:41:48 GC El+ Voltage SIR Autospec-UltimaE Sample#0 Tevt:HSA11A.F66E120362-1 Evn:DOXN



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 16:41:48 GC EI+ Voltage SIR Autospec-UltimaE
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)



SEVERN
TRENT

STL

STL SACRAMENTO
Daily Standard Checklist
High Resolution Mass Spectrometry

(3)

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

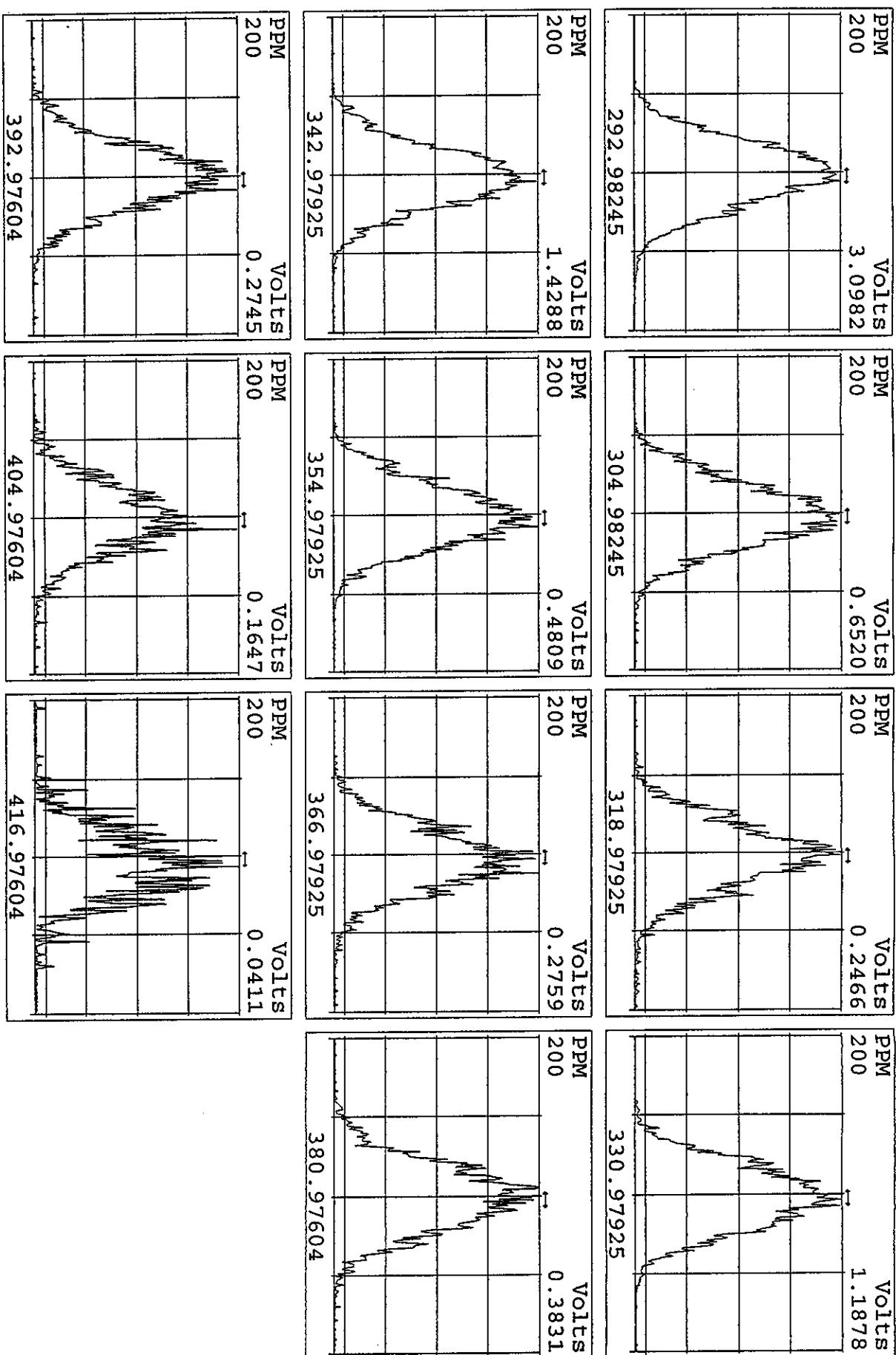
Run text: ST0525D File text: ST0525D :CS3 2565-41C
 Run #30 Filename 25MY06A9D5 S: 40 I: 1
 Acquired: 27-MAY-06 00:19:46 Processed: 27-MAY-06 00:59:52
 Run: 25MY06A9D5 Analyte: 8290 Cal: 82900105069D5 Results: 25MY06A9D58290

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

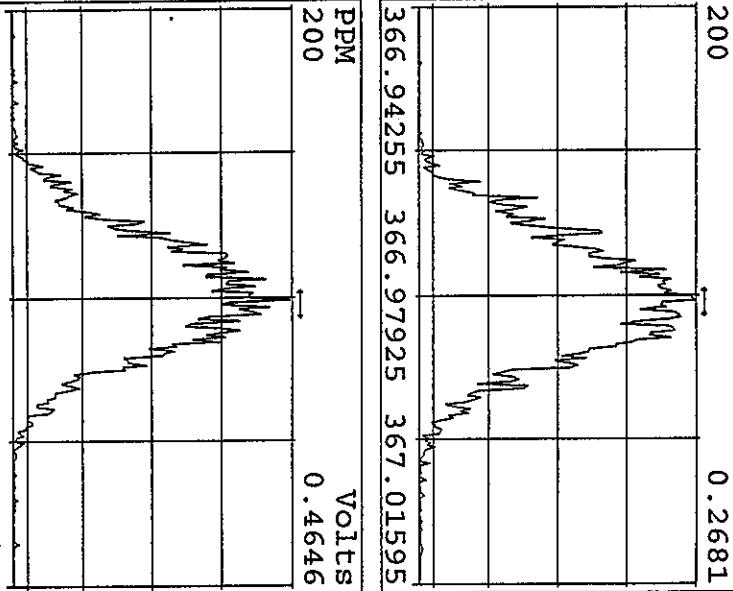
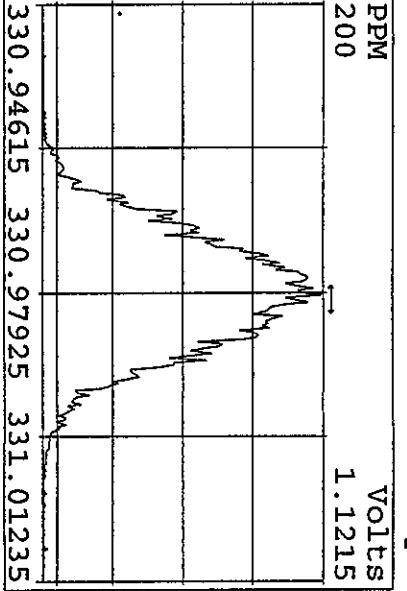
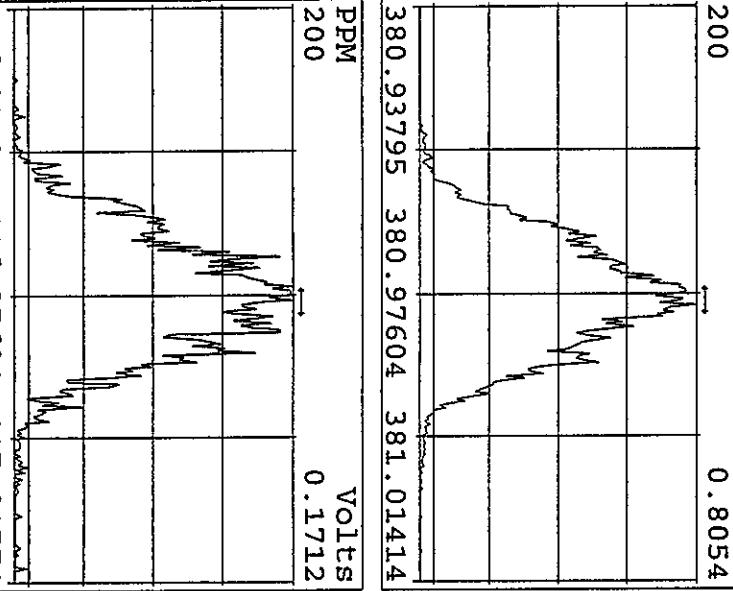
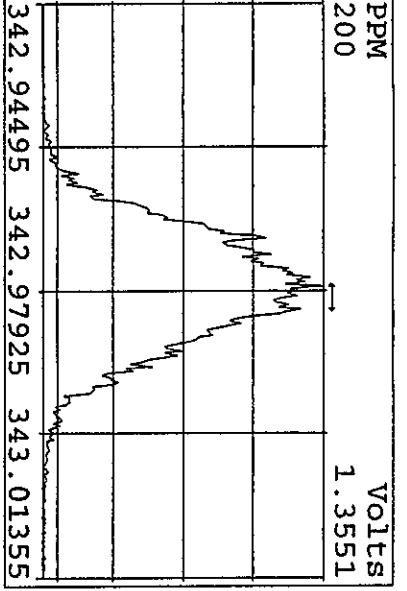
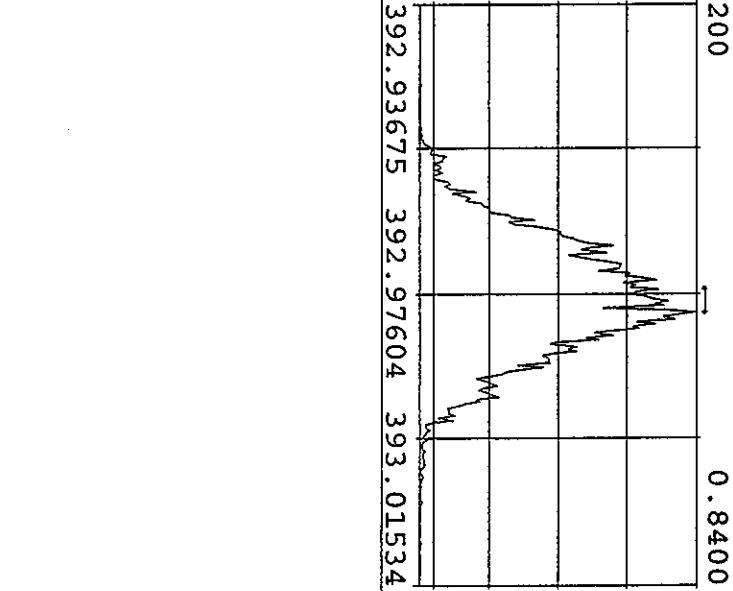
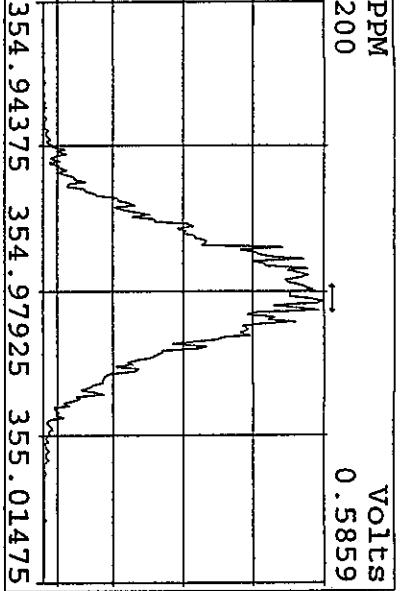
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25MY06A9D5	3	CP0525	DB-5 CPSM 2565-47				1.00000	
25MY06A9D5	4	SB0525A	Solvent Blank C-14				1.00000	
25MY06A9D5	5	H547C-1-AA	G6E240000-677B	20	8290/SOLID	81	10.00000	g
25MY06A9D5	6	H547C-1-AC	G6E240000-677C	20	8290/SOLID		10.00000	g
25MY06A9D5	7	H5JLL-2-AC	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
25MY06A9D5	34	H5XJT-2-AA	A6E220167-2RX	20	1613B/WIPE		0.25000	Wip
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
25MY06A9D5	38	SB0525D	Solvent Blank C-14				1.00000	
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
25MY06A9D5	44	H6AXE-1-AC	G6E260000-438C	20	0023A/8290/AIR		0.25000	Sam
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
25MY06A9D5	50	H5CHG-2-AA	G6E120409-8RX	20	0023A/8290/AIR		0.25000	Sam
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

25MY06A9D5	54	SB0525F	Solvent Blank C-14	1.00000
25MY06A9D5	55	ST0525E	CS3 2565-41C	1.00000
25MY06A9D5	56			1.00000
25MY06A9D5	57			1.00000
25MY06A9D5	58			1.00000
25MY06A9D5	59			1.00000
25MY06A9D5	60			1.00000
25MY06A9D5	61			1.00000
25MY06A9D5	62		AM 05-25-06	1.00000
25MY06A9D5	63			1.00000
25MY06A9D5	64			1.00000

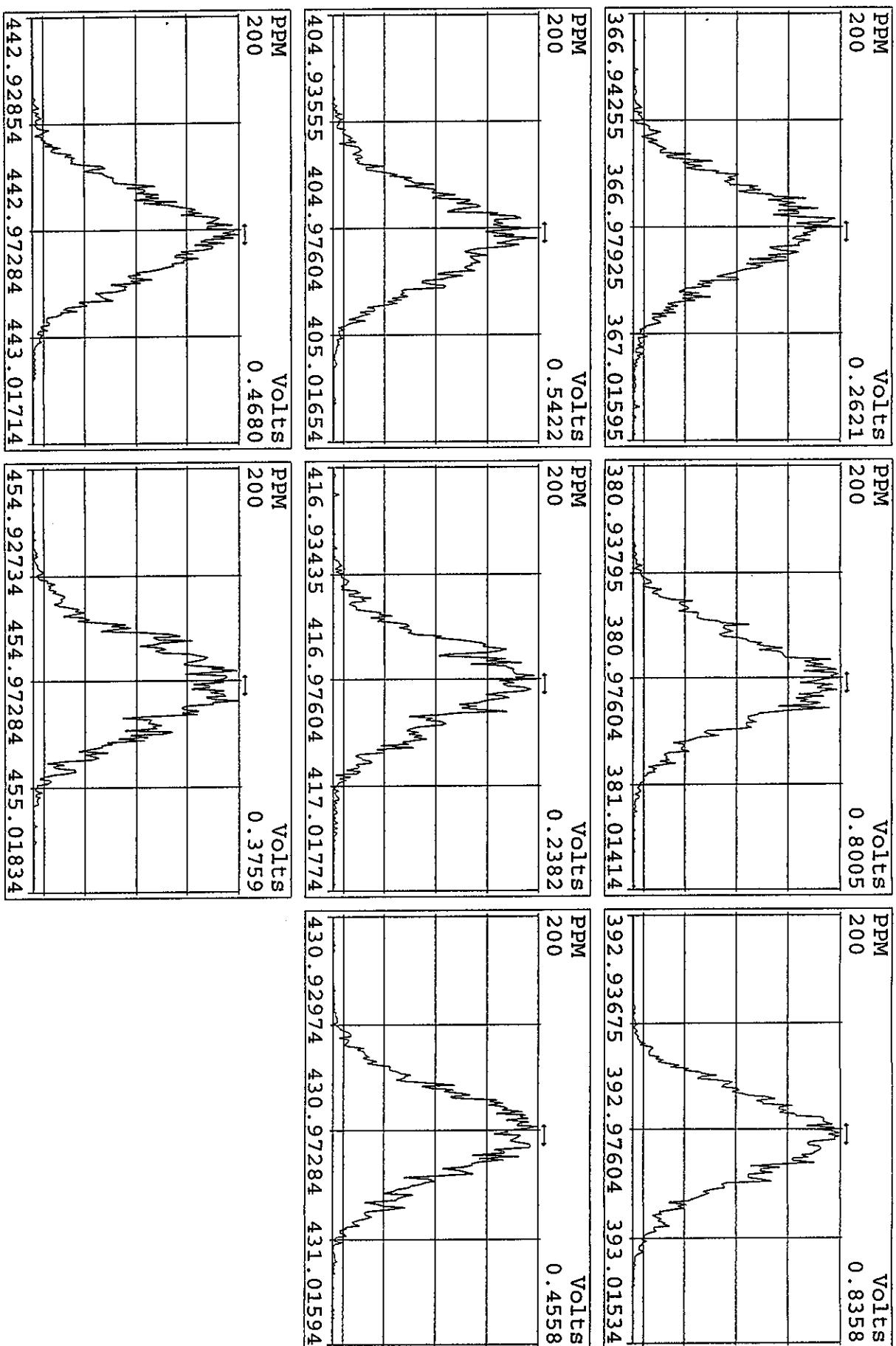
Peak Locate Examination:25-MAY-2006:21:11 File:25MY06A9D5
 Experiment:DIOXIN Function:1 Reference:PFK



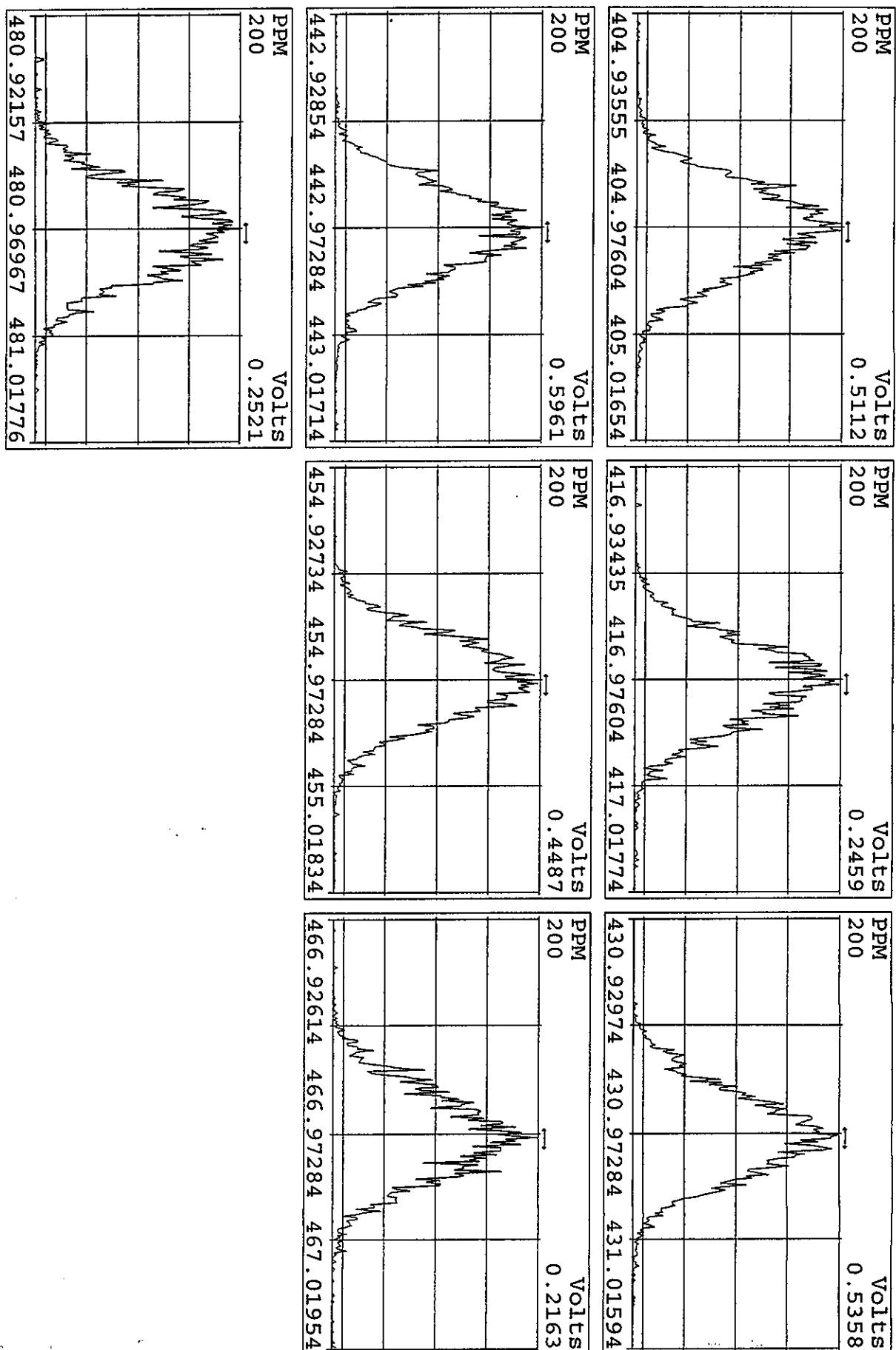
Peak Locate Examination:25-MAY-2006:21:13 File:25MW06A9D5
 Experiment:DIOXIN Function:2 Reference:PFK

PPM 200	Volts 1.1215		PPM 200	Volts 1.3551	
330.94615	330.97925	331.01235	342.94495	342.97925	343.01355
PPM 200	Volts 0.2681		PPM 200	Volts 0.8054	
366.94255	366.97925	367.01595	380.93795	380.97604	381.01414
PPM 200	Volts 0.4646		PPM 200	Volts 0.1712	
404.93555	404.97604	405.01654	416.93435	416.97604	417.01774

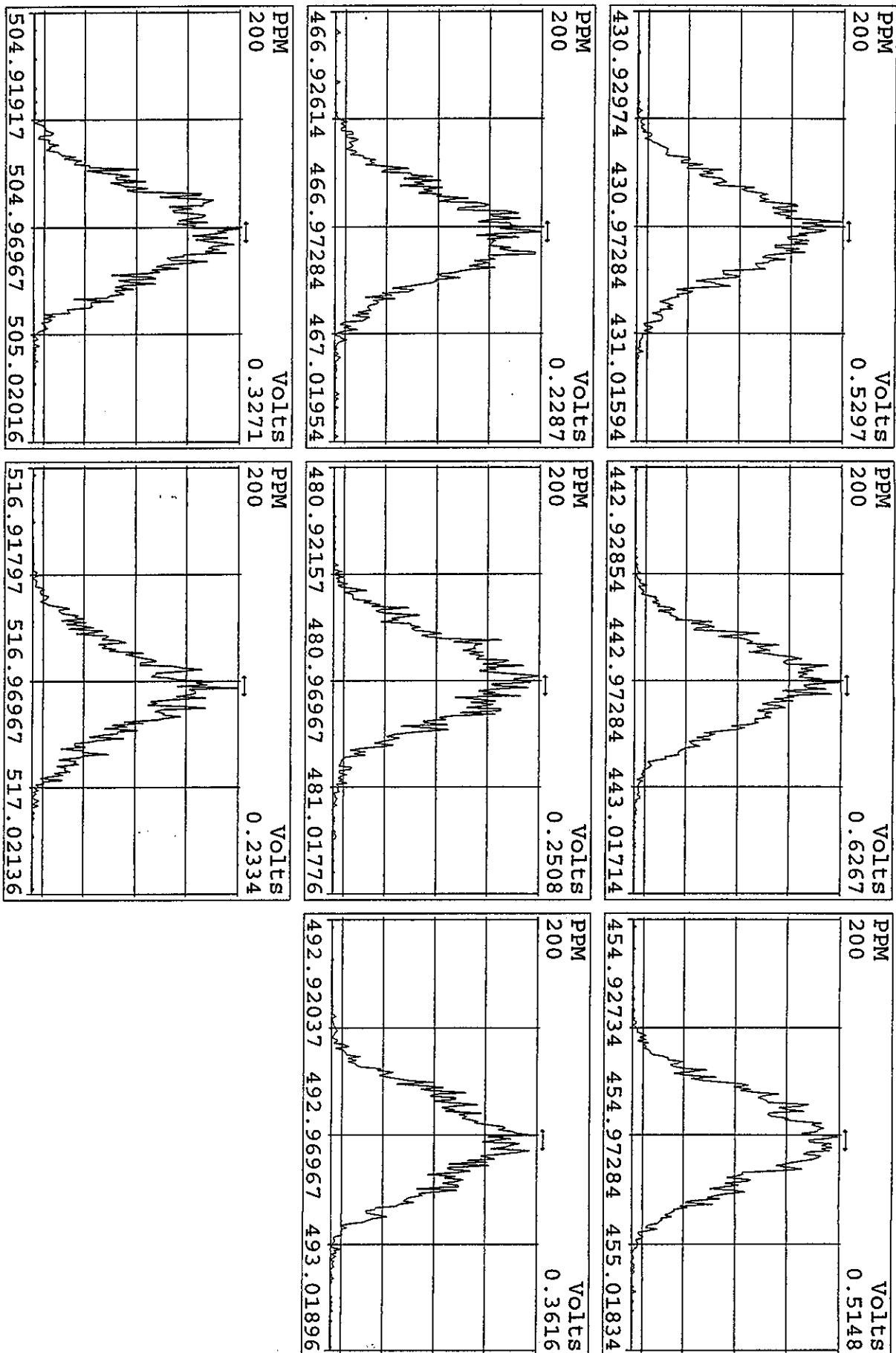
Peak Locate Examination:25-MAY-2006:21:14 File:25MY06A9D5
 Experiment:DIOXIN Function:3 Reference:PFK



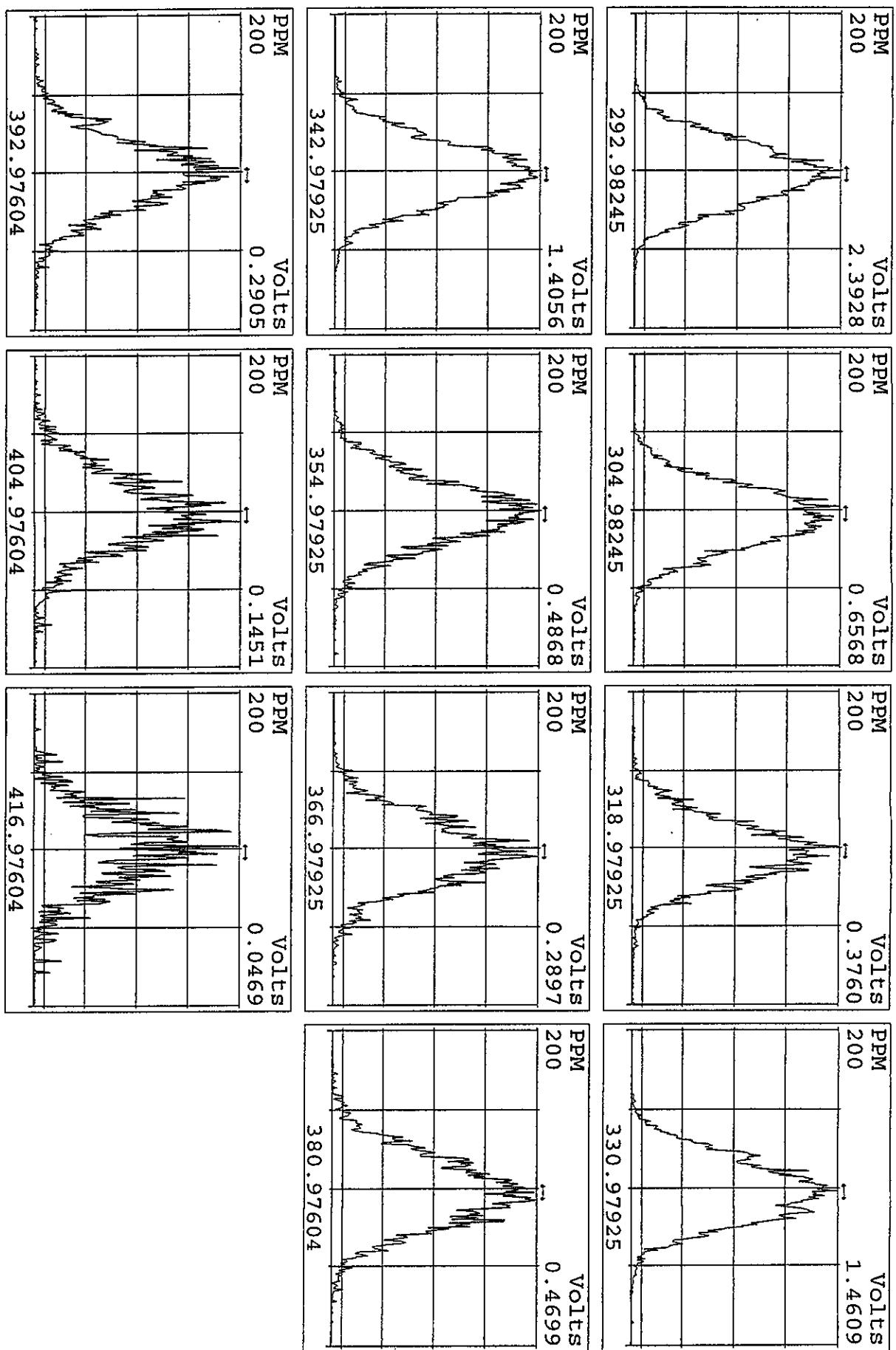
Peak Locate Examination:25-MAY-2006:21:15 File:25MY06A9D5
 Experiment:DIOXIN Function:4 Reference:PFK



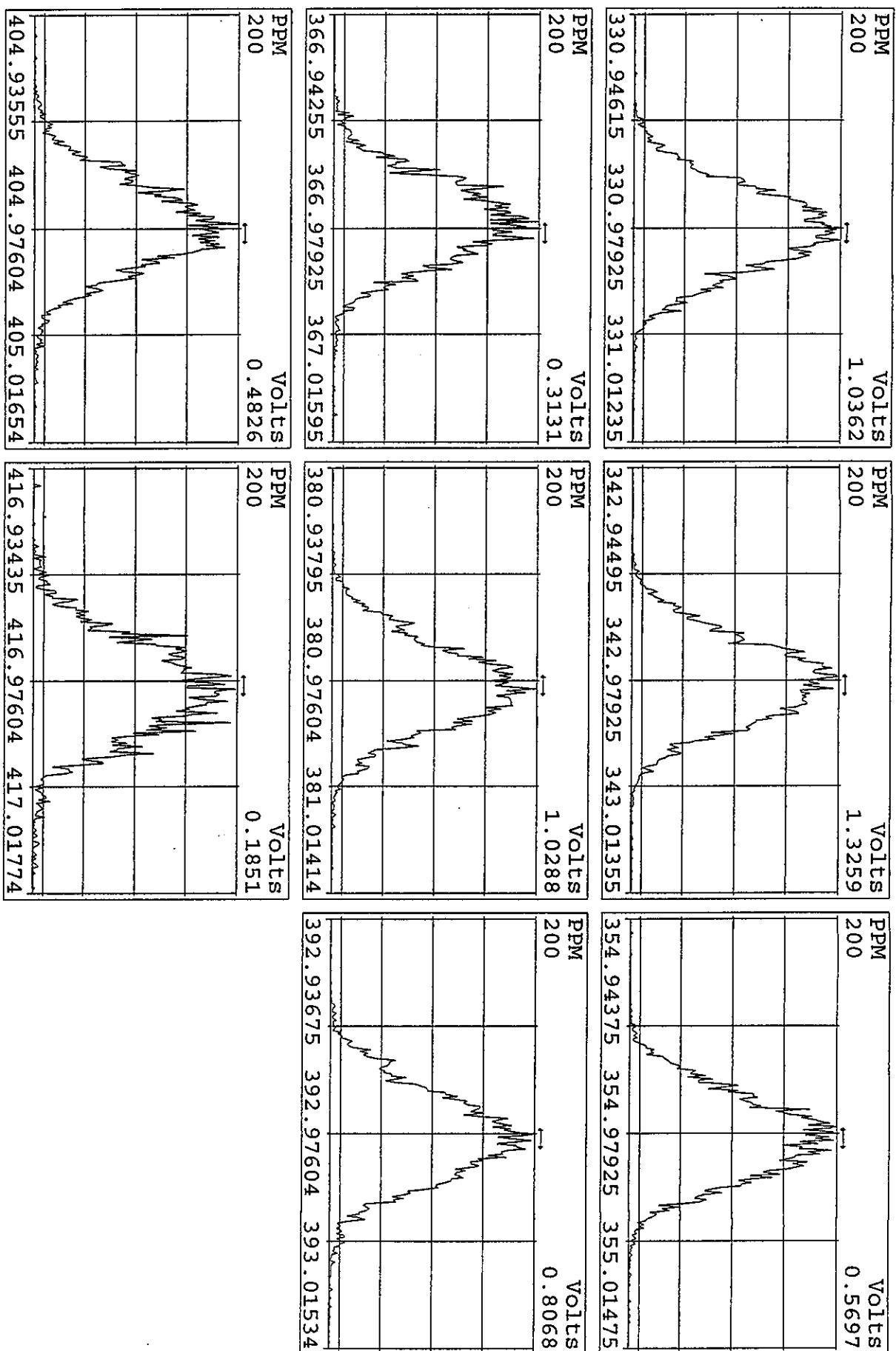
Peak Locate Examination:25-MAY-2006:21:15 File:25MY06A9D5
 Experiment:DIOXIN Function:5 Reference:PFK



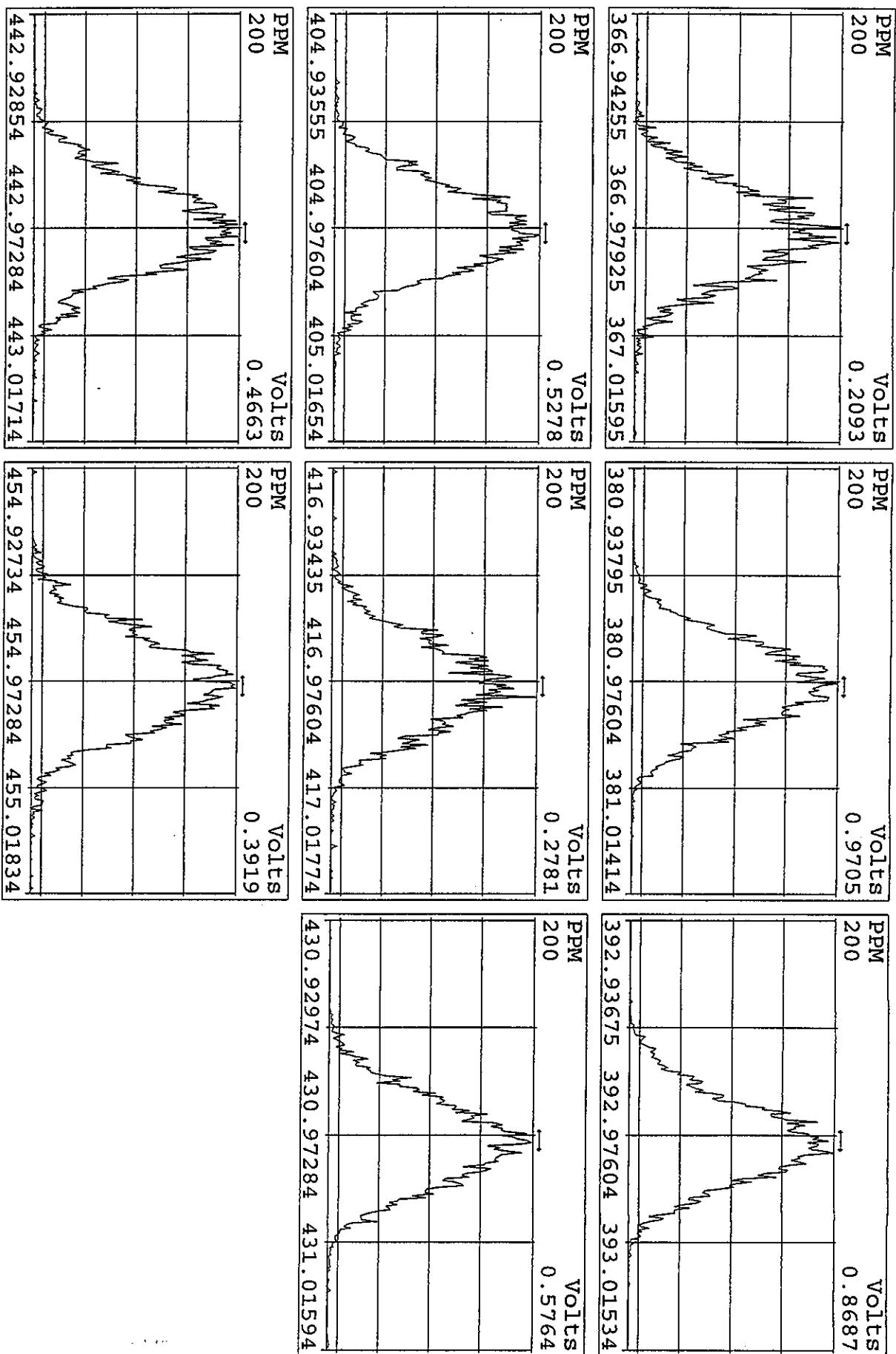
Peak Locate Examination:27-MAY-2006:15:01 File:RESCHK25MY06A9D5
 Experiment:DIOXIN Function:1 Reference:PFK



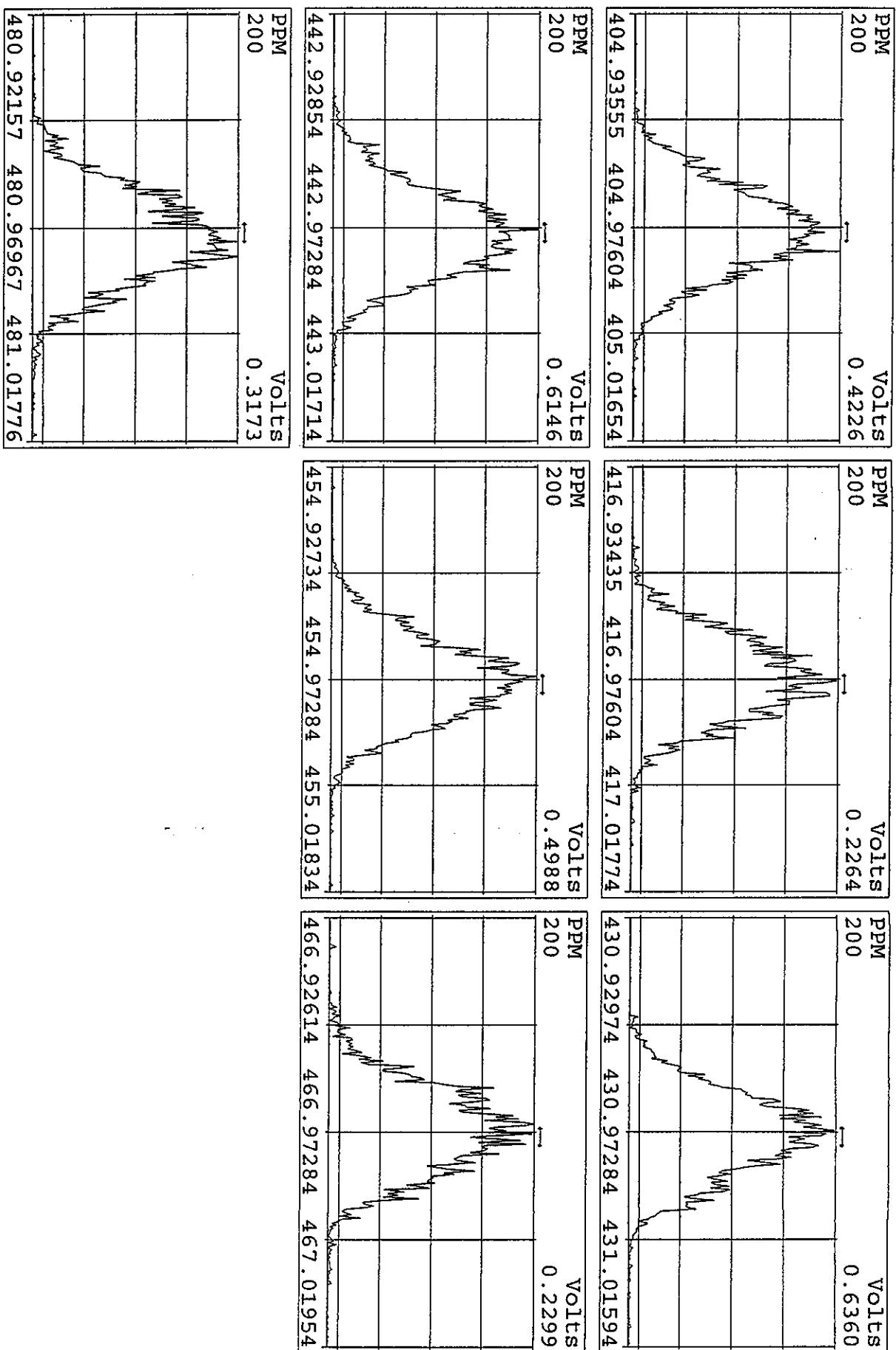
Peak Locate Examination:27-MAY-2006:15:03 File:RESCHK25MY06A9D5
 Experiment:DIOXIN Function:2 Reference:PRK



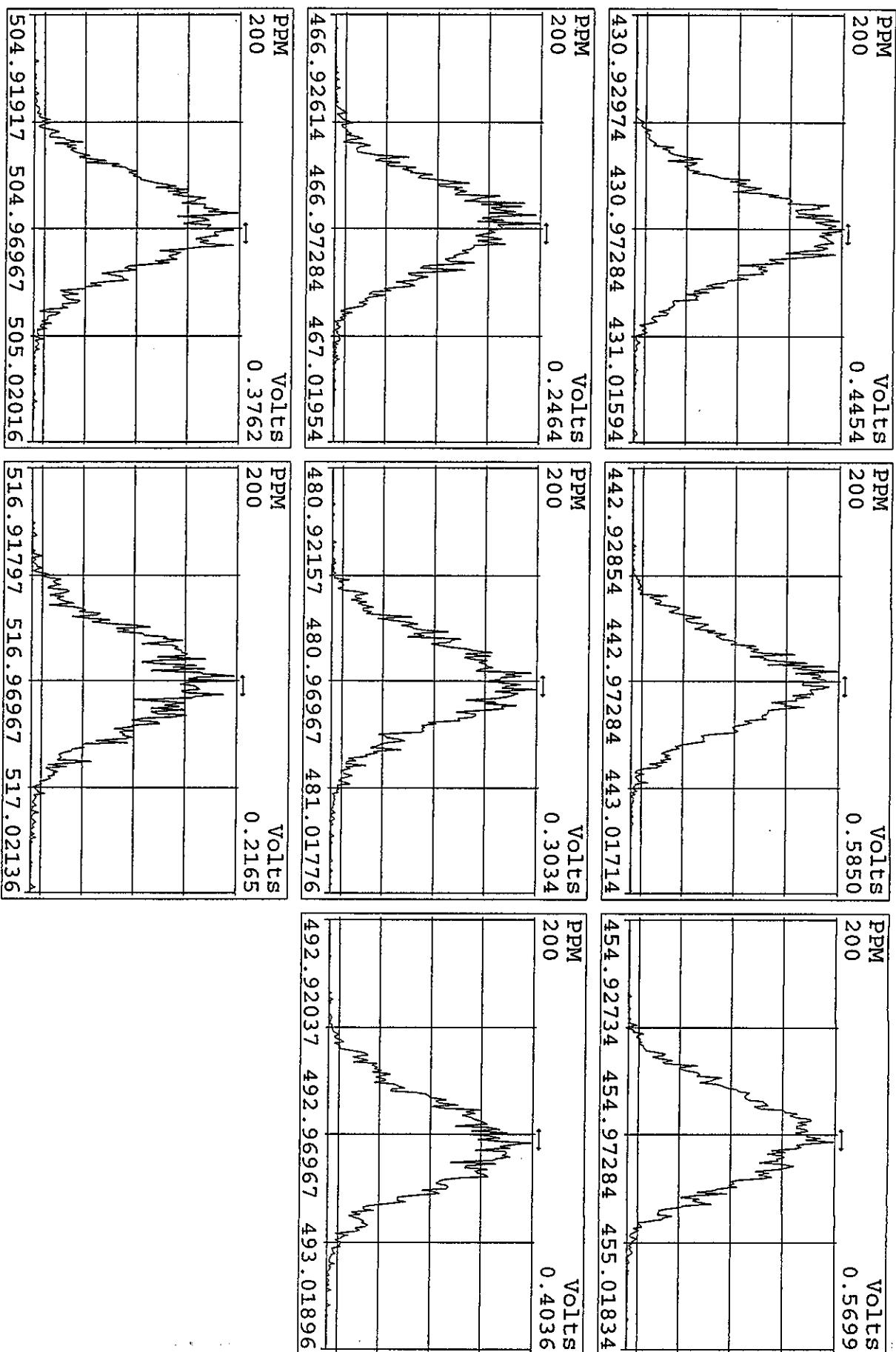
Peak Locate Examination:27-MAY-2006:15:04 File:RESCHK25MY06A9D5
 Experiment:DIOXIN Function:3 Reference:PFK



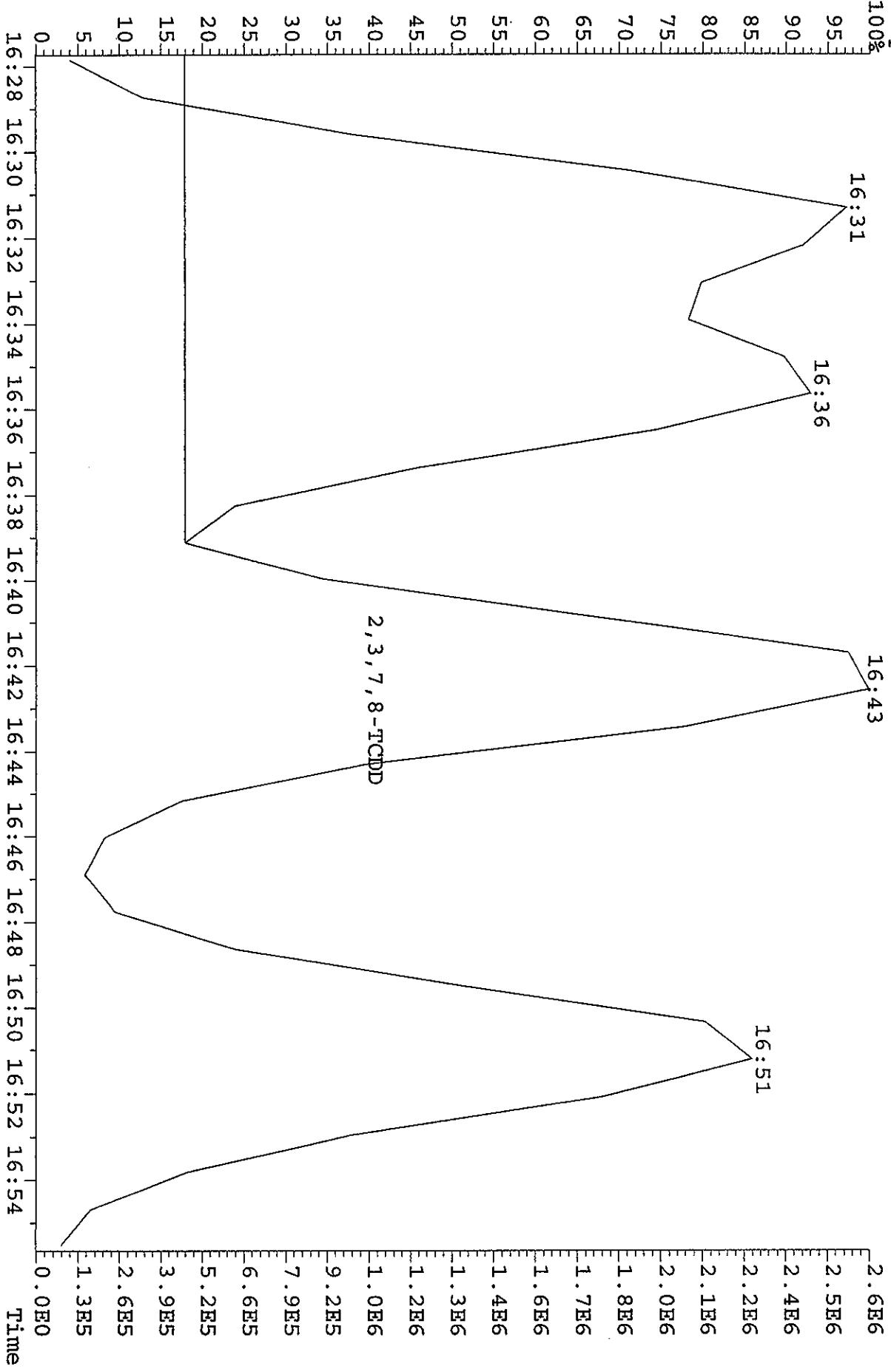
Peak Locate Examination:27-MAY-2006:15:04 File:RESCHK25MY06A9D5
 Experiment:DIOXIN Function:4 Reference:Pfk



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 EI+ Voltage SIR Autospec-UltimaE
321.8936 S: 20 BSUB(128,15,-3.0) Exp:DIOXIN Noise:602
Sample Text:CP0525A :DB-5 CPSM 2565-47



Run: 25MY06A9D5 Analyte: 8290

Cal: 82900105069D5

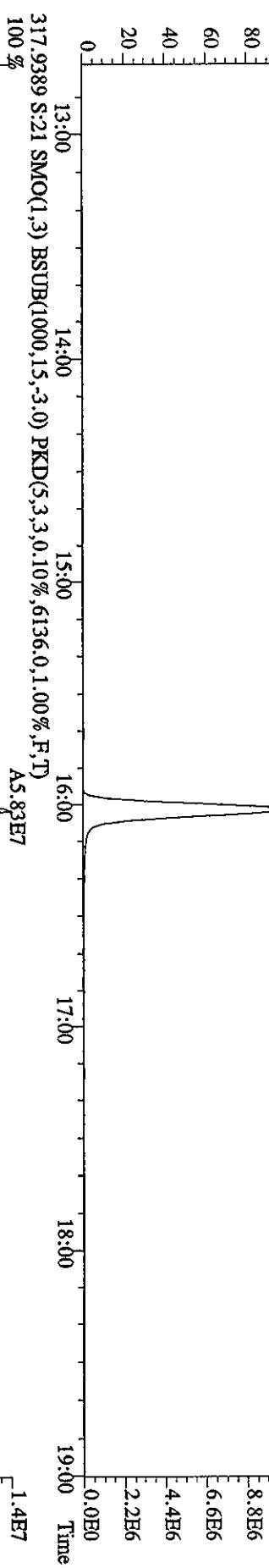
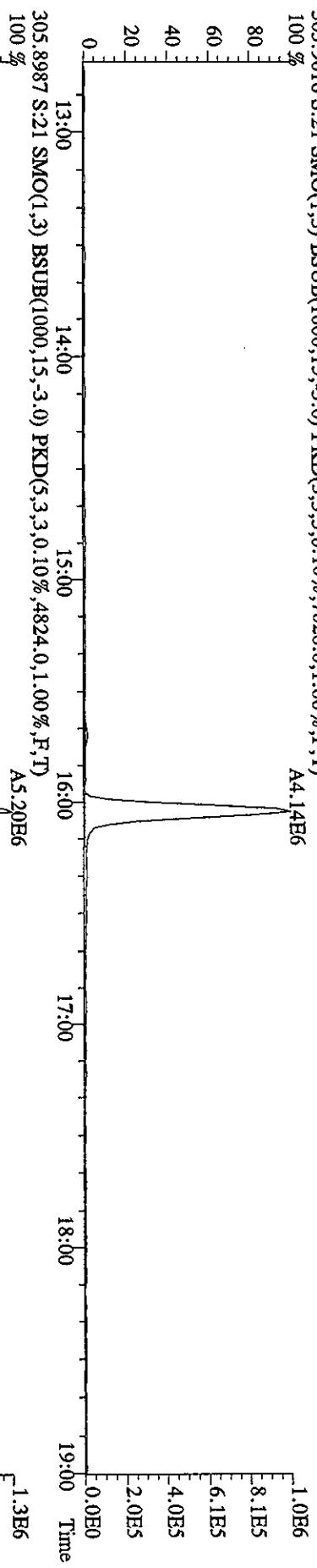
ST0105 :CS1 2565-41A
 ST0105C :CS4 2565-41D
 ST0105A :CS2 2565-41B
 ST0105D :CS5 2565-41E
 ST0105B :CS3 2565-41C

					05JA069D5	05JA069D5	05JA069D5	05JA069D5	05JA069D5	05JA069D5
	Name	Mean	S. D.	%RSD	S4	S5	S6	S7	S8	RRF5
		-	-	- %	RRF1	RRF2	RRF3	RRF4	RRF5	-
13C-1,2,3,4-TCD										
2,3,7,8-TCDF	1.044	0.078	7.49 %	1.18	1.03	1.01	1.02	0.98	0.98	
Total TCD	1.044	0.078	7.49 %	1.18	1.03	1.01	1.02	0.98	0.98	
13C-2,3,7,8-TCDD	0.903	0.021	2.37 %	0.89	0.90	0.90	0.89	0.94	0.94	
2,3,7,8-TCDD	1.233	0.037	3.03 %	1.22	1.18	1.28	1.23	1.25	1.25	
Total TCDD	1.233	0.037	3.03 %	1.22	1.18	1.28	1.23	1.25	1.25	
37CL-2,3,7,8-TCDD	2.211	0.150	6.77 %	2.40	2.03	2.24	2.10	2.29	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	1.35	
1,2,3,7,8-PeCDF	0.905	0.028	3.09 %	0.95	0.88	0.89	0.89	0.91	0.91	
2,3,4,7,8-PeCDF	0.950	0.029	3.03 %	0.99	0.93	0.92	0.94	0.97	0.97	
Total F2 PeCDF	0.928	0.028	3.00 %	0.97	0.91	0.90	0.92	0.94	0.94	
Total F1 PeCDF	0.928	0.028	3.00 %	0.97	0.91	0.90	0.92	0.94	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	0.74	
1,2,3,7,8-PeCDD	1.161	0.049	4.19 %	1.25	1.14	1.16	1.13	1.13	1.13	
Total PeCDD	1.161	0.049	4.19 %	1.25	1.14	1.16	1.13	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	1.28	
1,2,3,4,7,8-HxCDF	1.040	0.052	5.01 %	1.12	1.01	0.98	1.05	1.04	1.04	
1,2,3,6,7,8-HxCDF	1.134	0.049	4.33 %	1.18	1.11	1.06	1.15	1.17	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	1.04	
1,2,3,7,8,9-HxCDF	0.931	0.045	4.88 %	0.96	0.89	0.88	0.93	0.99	0.99	
Total HxCDF	1.028	0.049	4.75 %	1.09	0.99	0.97	1.04	1.06	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	1.01	
1,2,3,4,7,8-HxCDD	0.938	0.078	8.35 %	1.08	0.89	0.91	0.93	0.89	0.89	

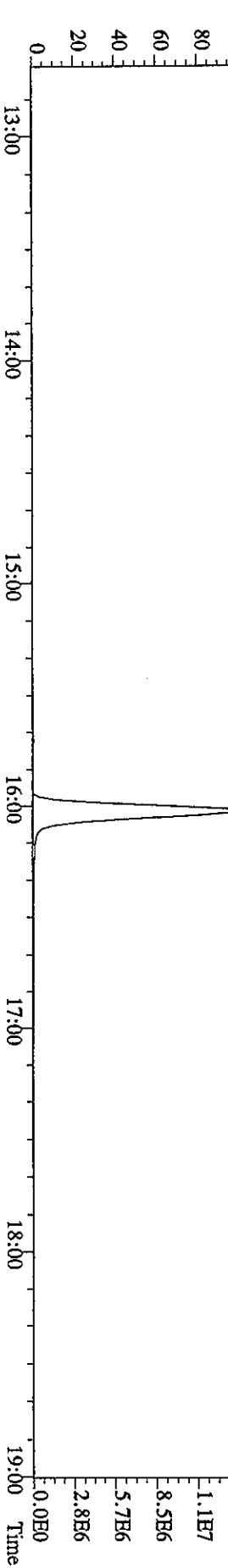
1,2,3,6,7,8-HxCDD	1.055	0.021	2.01 %	1.09	1.05	1.06	1.04	1.03
1,2,3,7,8,9-HxCDD	1.068	0.045	4.24 %	1.13	1.07	1.09	1.05	1.01
Total HxCDD	1.020	0.046	4.53 %	1.10	1.00	1.02	1.00	0.98
13C-1,2,3,4,6,7,8-HpCDF	1.180	0.027	2.30 %	1.22	1.17	1.15	1.19	1.16
1,2,3,4,6,7,8-HpCDF	1.275	0.084	6.61 %	1.42	1.22	1.28	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

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

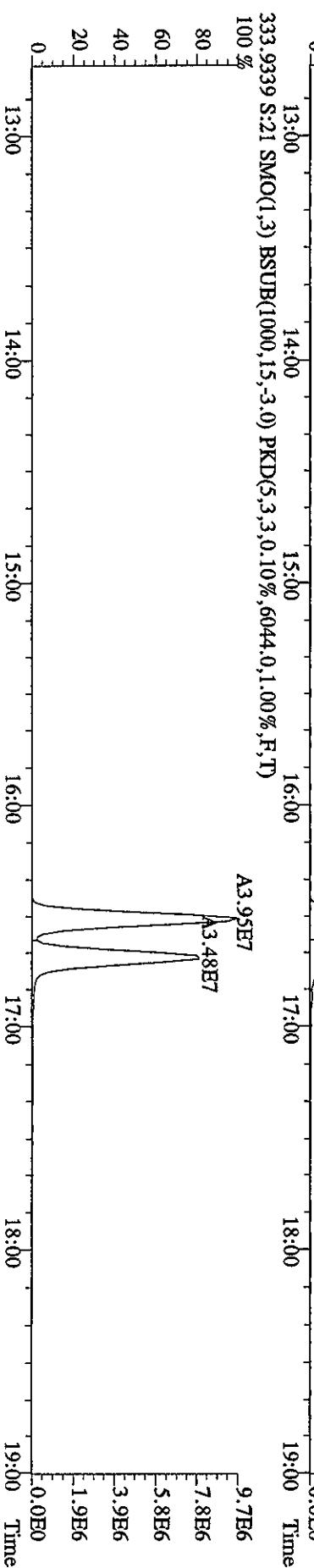
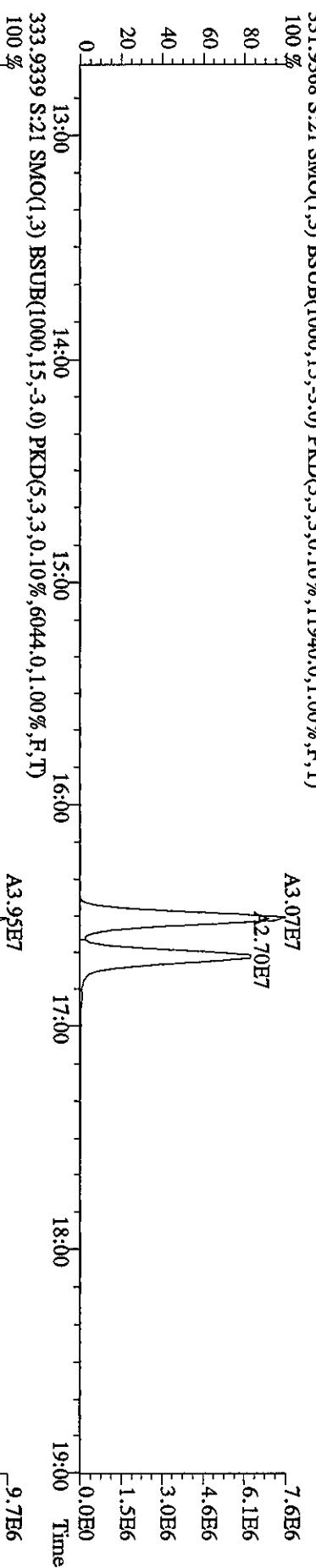
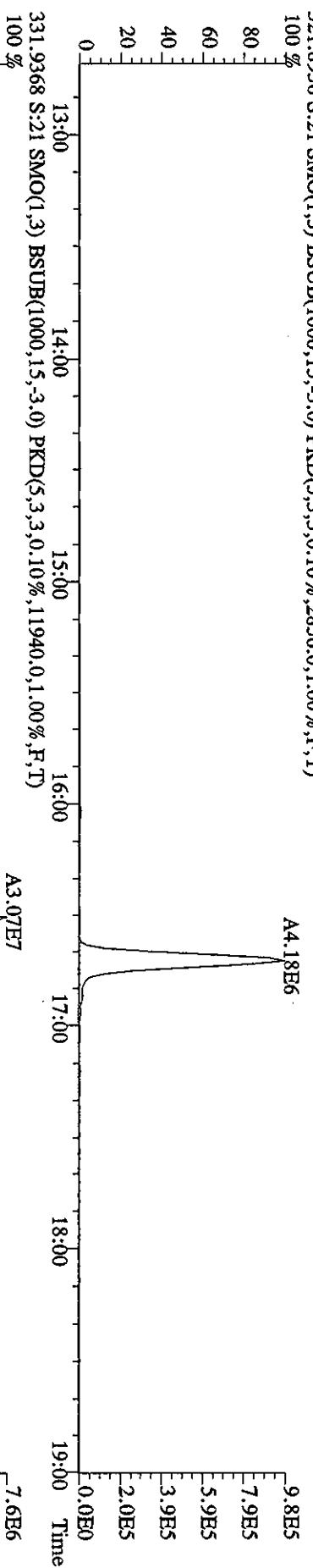
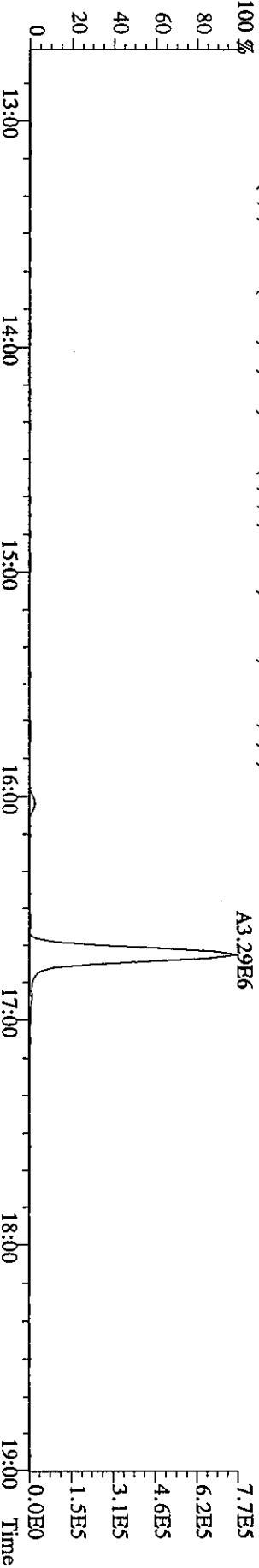
Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7028.0,1.00%,FT)
100 % A4.14E6



100% A3.83E7



File:25MY06A9D5 #1-439 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#21 Tex:ST0525C :CS3 2565-41C Exp:DIOXIN
 319.8965 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T)
 100 %



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

Sample#21 Text:ST0525C

:CS3 2565-41C

Exp:DIOXIN

327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5284.0,1.00%,F,T)

100 %

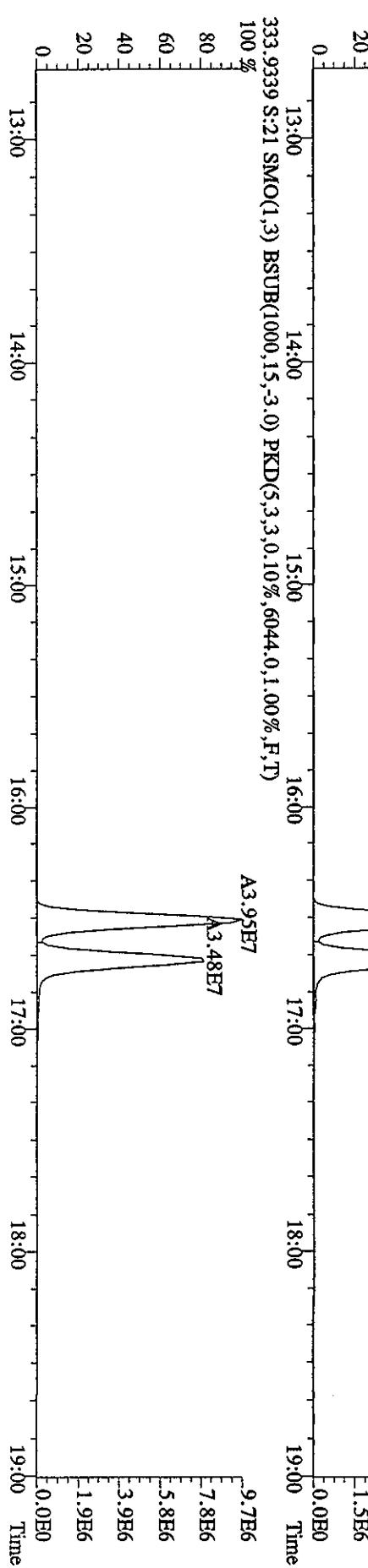
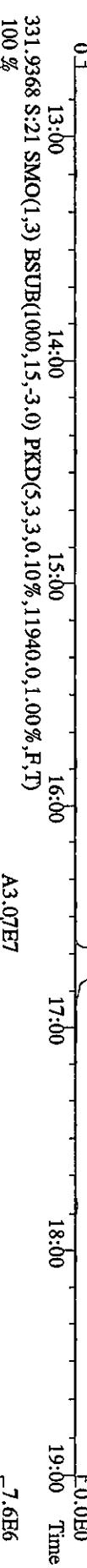
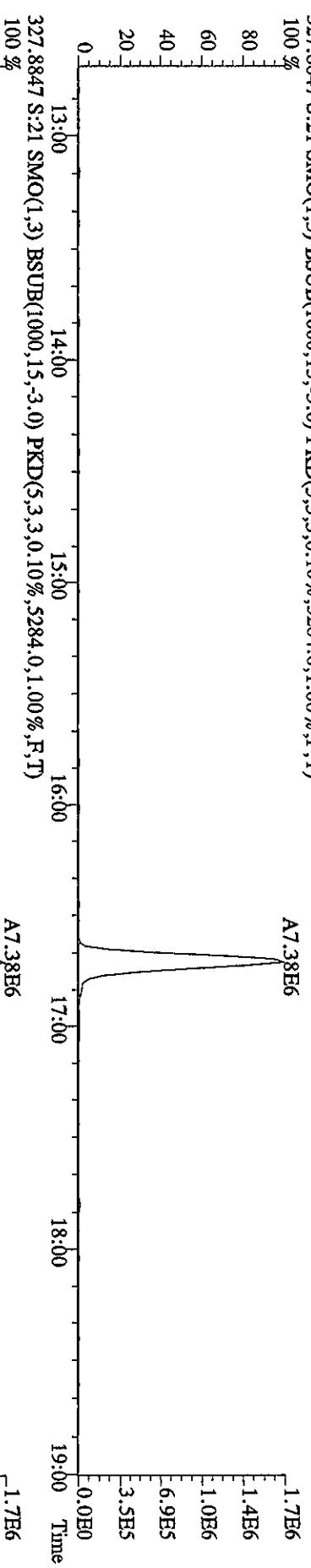
80

60

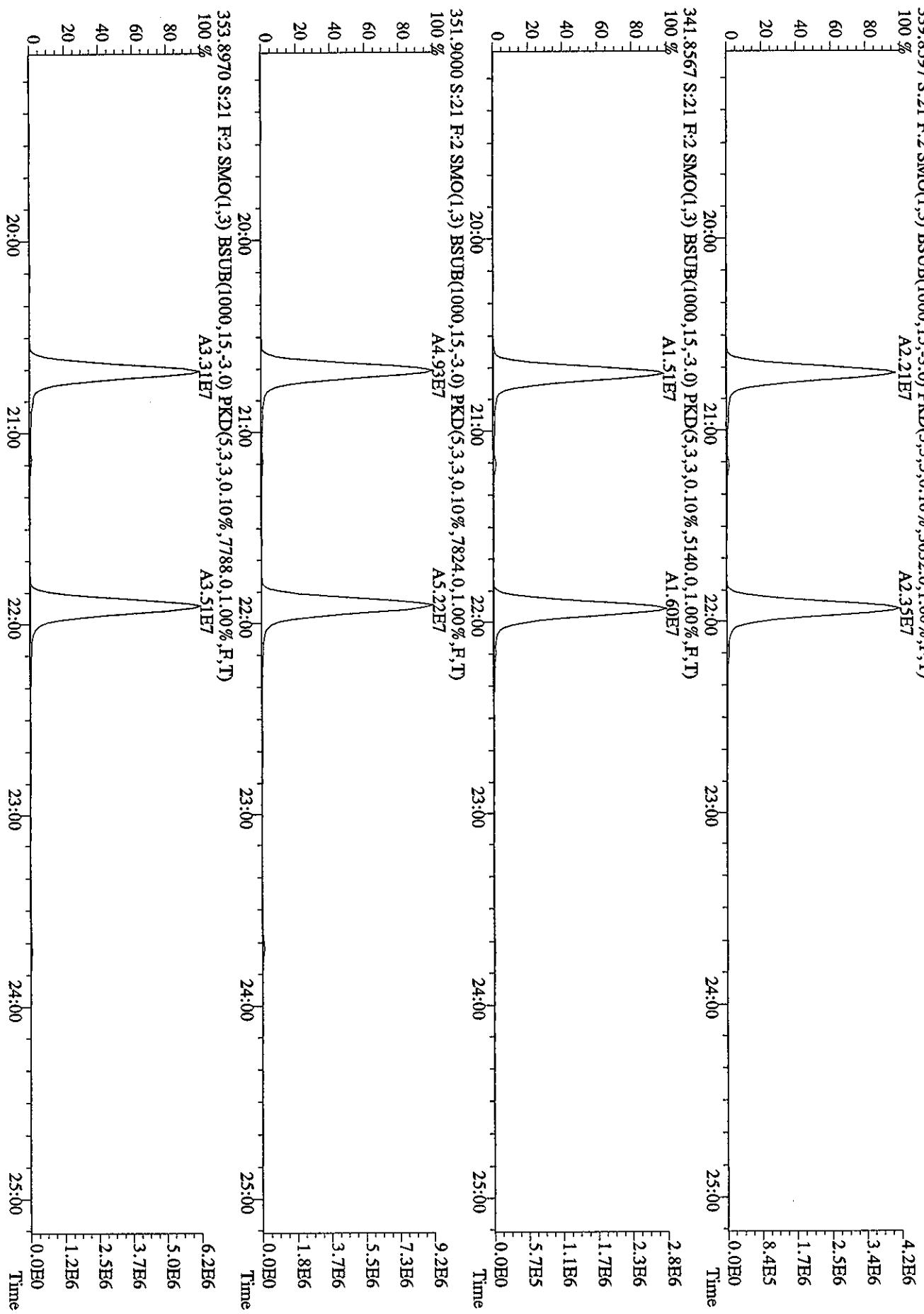
40

20

0



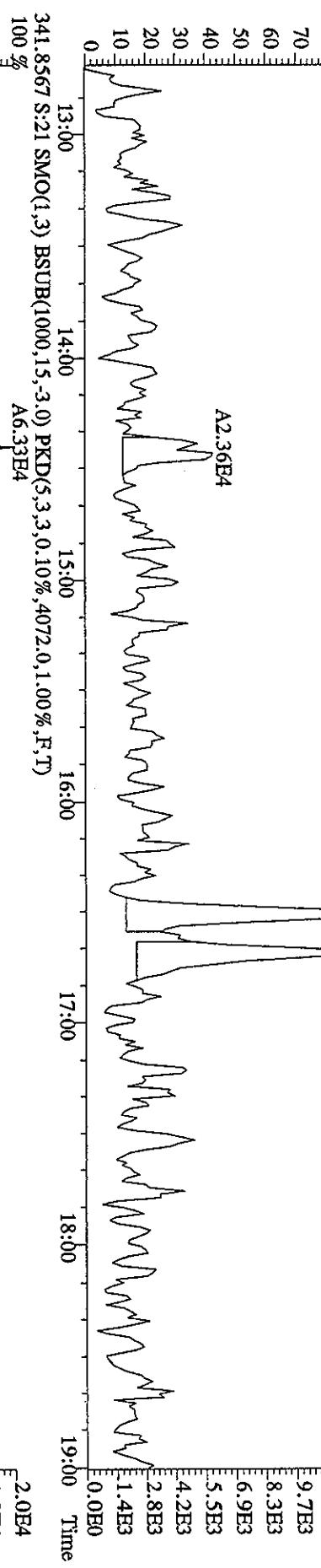
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#:21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3032.0,1.00%,F,T)
100 % A2.21E7 A2.35E7



File:25MY06A9D5 #1-439 Acq:26-MAY-2006 11:09:14 GC El+ Voltage SIR Autospec-UltimaE
 Sample:#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN
 339.8597 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2932.0,1.00%,F,T)
 100 %
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

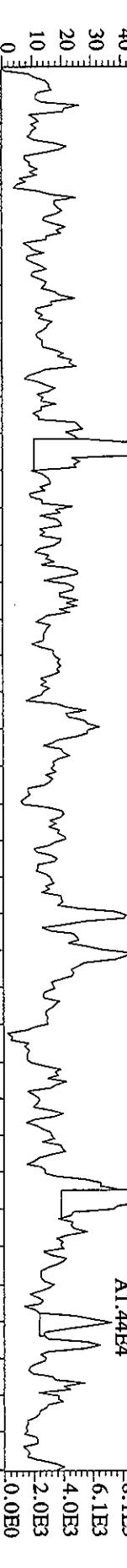
A5.20E4
 1.4E4
 1.2E4
 1.1E4
 9.7E3
 8.3E3
 6.9E3
 5.5E3
 4.2E3
 2.8E3
 2.0E4
 1.8E4
 1.6E4
 1.4E4
 1.2E4
 1.0E4
 8.1E3
 6.1E3
 4.0E3
 2.0E3
 0.0E0

A2.36E4
 4.64E4



A3.52E4

A1.44E4



100 %
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

14:42

15:27
 15:35
 16:04
 16:14
 17:00
 17:17
 17:24
 17:51
 18:06
 18:25
 18:32
 18:47

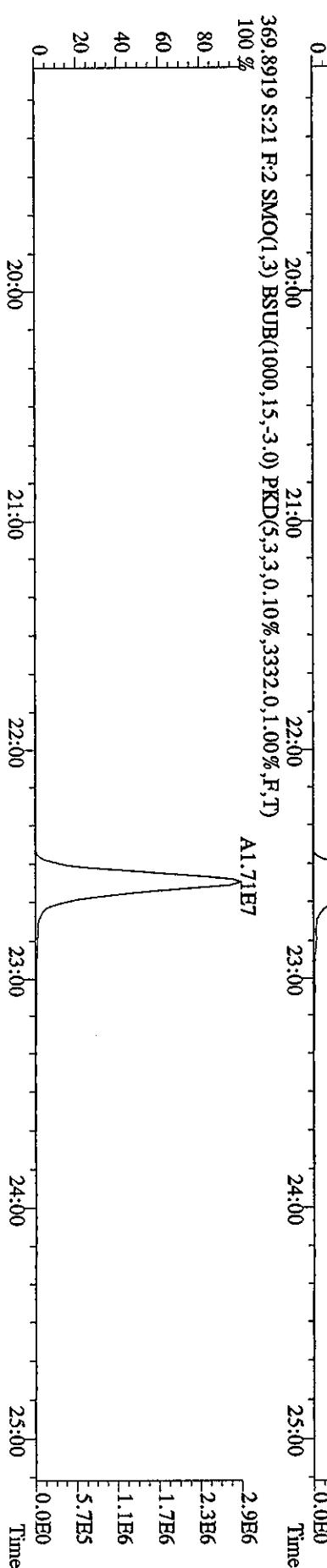
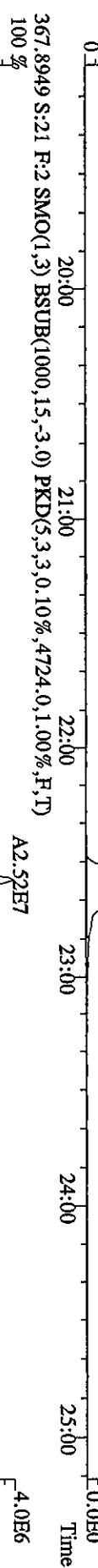
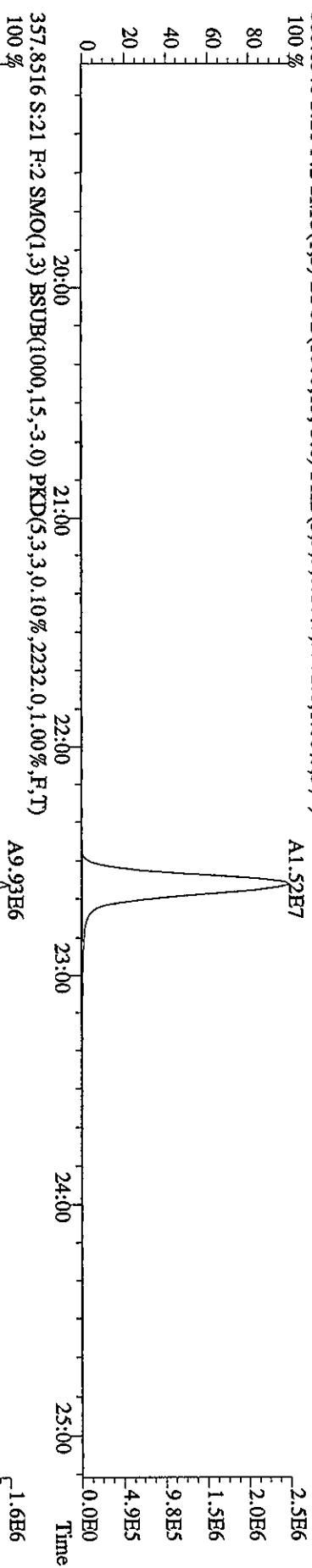
13:23
 13:48
 14:20
 14:54
 15:01
 15:44
 15:51

12:57
 13:40

10

13:00 14:00 15:00 16:00 17:00 18:00 19:00 Time

File:25MY06A9D5 #1491 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN
 355.8546 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3972.0,1.00%,F,T)
 100 % A1.52E7
 80
 60
 40
 20
 0



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST052C :CS3 255.41C 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)

100 %

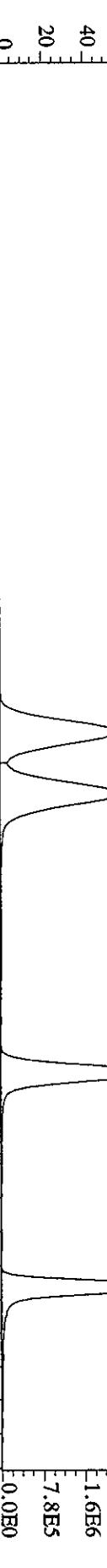
80

60

40

20

0



375.8178 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4296.0,1.00%,F,T)

100 %

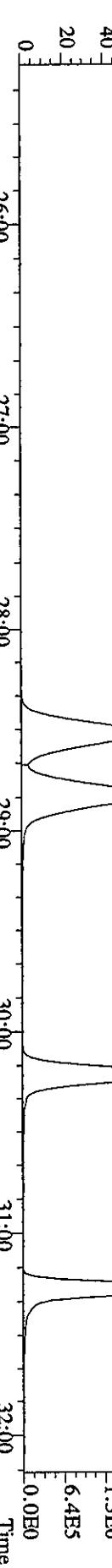
80

60

40

20

0



383.8639 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7392.0,1.00%,F,T)

100 %

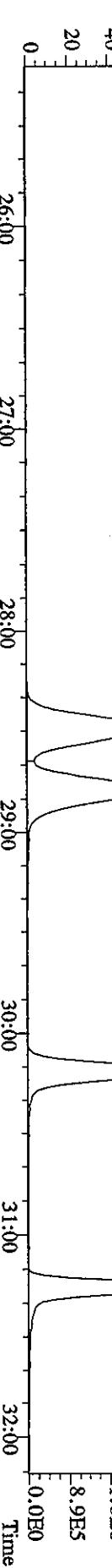
80

60

40

20

0



385.8610 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8968.0,1.00%,F,T)

100 %

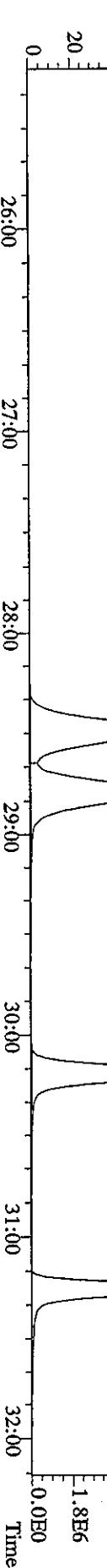
80

60

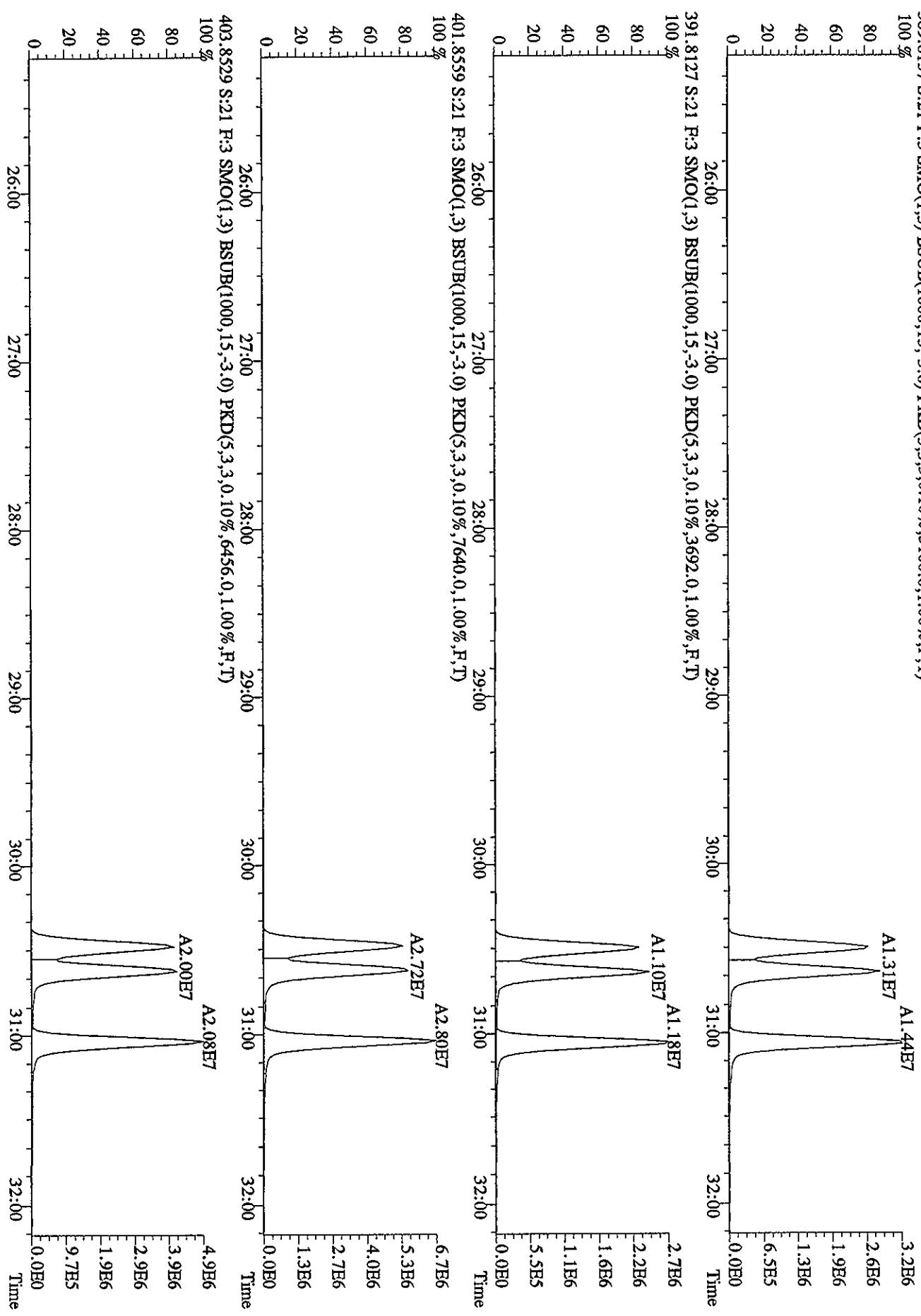
40

20

0



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 11:09:14 GC El+ Voltage SIR Autospec-UltimaE
Sample#:21 Text:ST0525C :CS3 2555-41C Exp:DIOXIN
389.8157 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3100.0,1.00%,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)

A1.60E7

A1.38E7

5.2E6

4.2E6

3.1E6

-2.1E6

-1.0E6

0.0E0

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)

A1.52E7

A1.34E7

5.0E6

4.0E6

3.0E6

2.0E6

1.0E6

0.0E0

417.8253 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8508.0,1.00%,F,T)

A1.61E7

A1.43E7

5.4E6

4.3E6

3.2E6

2.2E6

1.1E6

0.0E0

419.8220 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7680.0,1.00%,F,T)

A3.57E7

A3.08E7

1.2E7

9.5E6

7.1E6

4.7E6

2.4E6

0.0E0

32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

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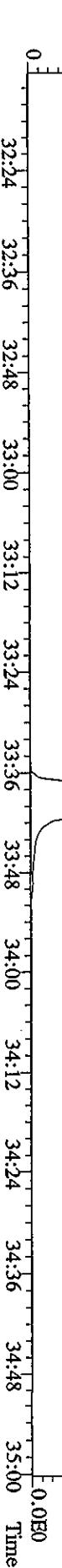
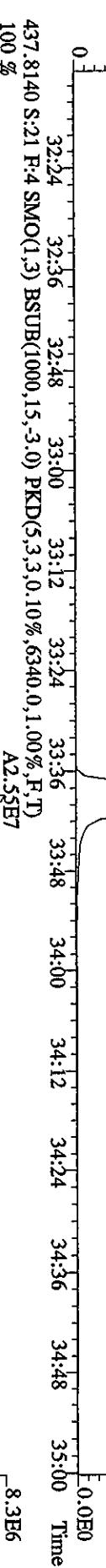
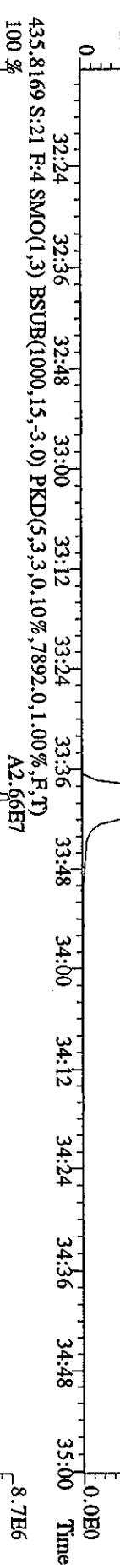
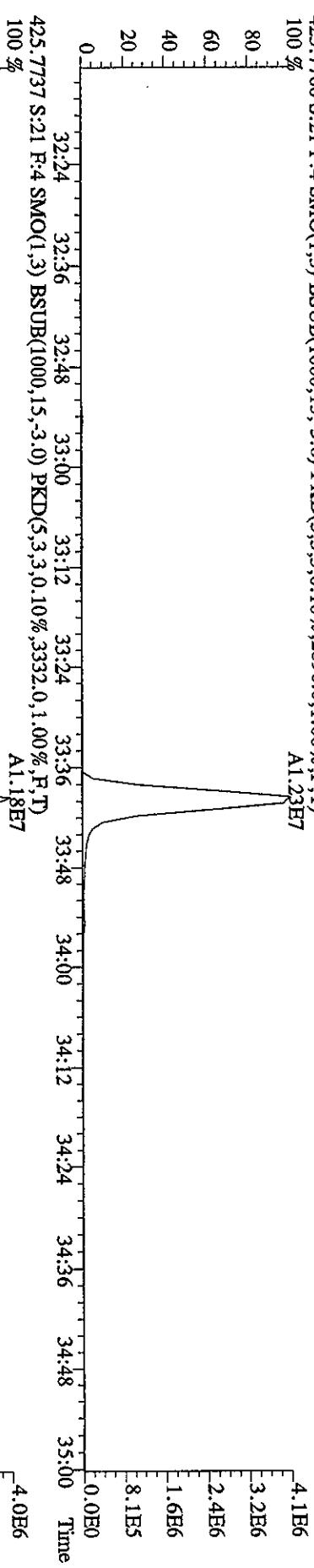
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

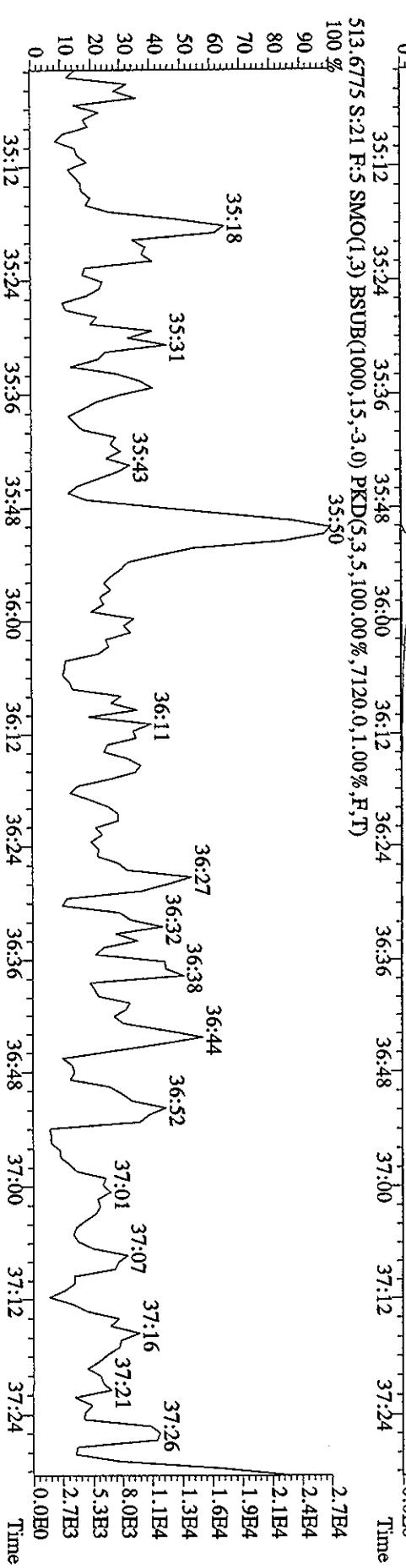
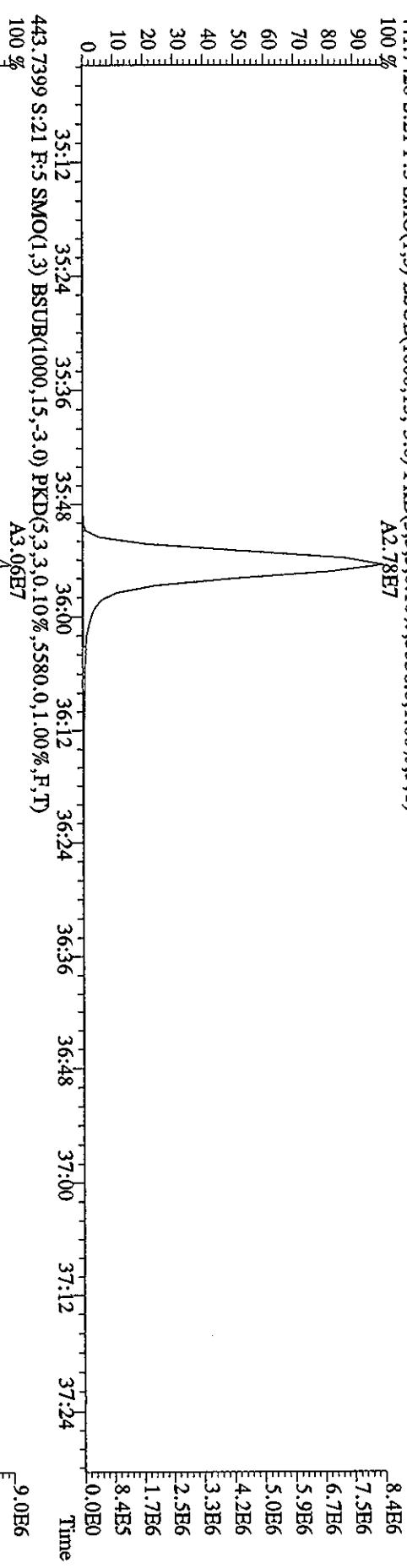
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

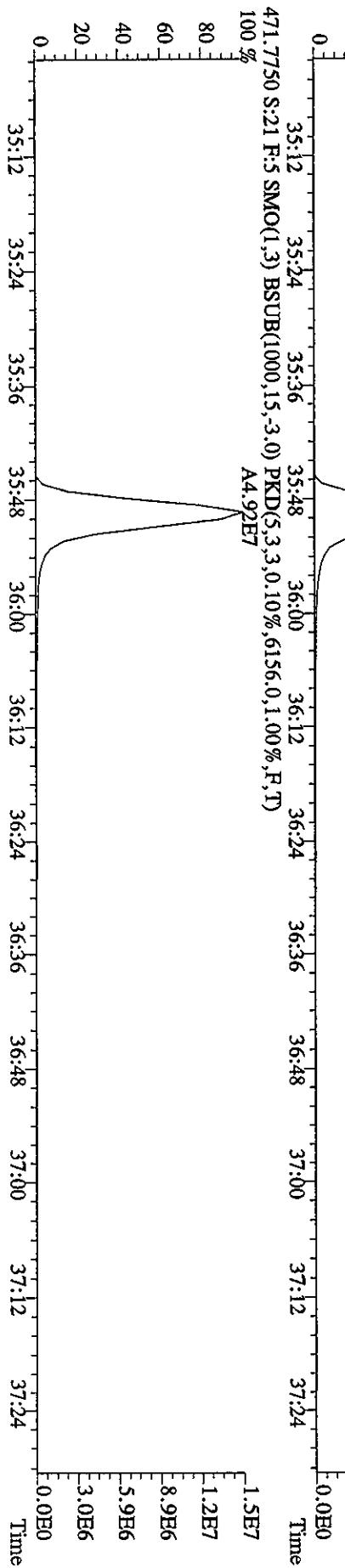
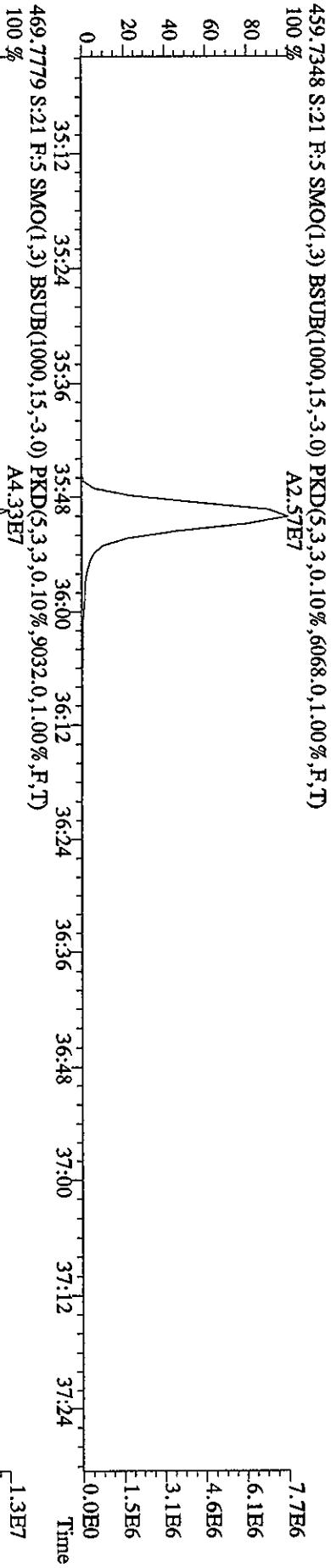
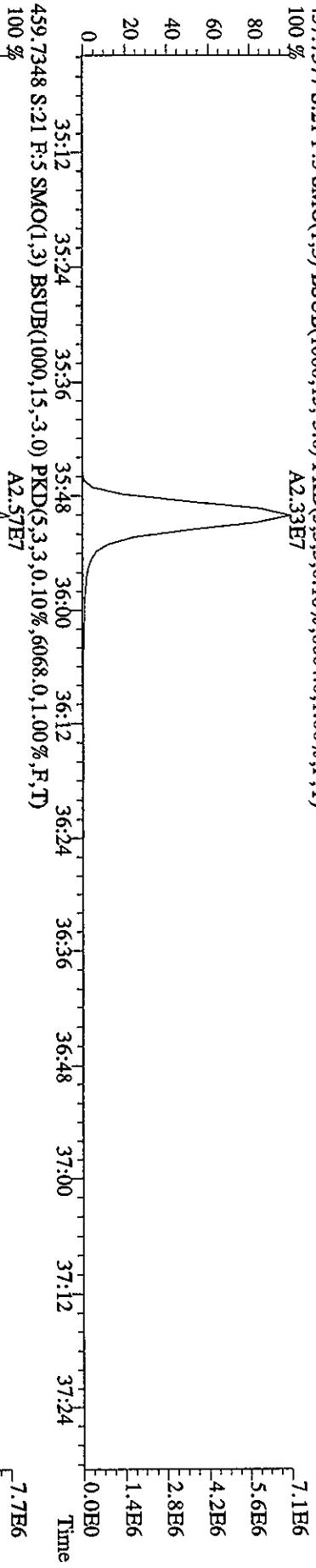
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#21 Text:ST0525C :CS3 2565-41C Exp:DIOXIN
 423.7766 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)
 A1.23E7



File:25MAY06A9D5 #1-201 Acq:26-MAY-2006 11:09:14 GC El+ Voltage SIR Autospec-UltimaE
 Sample:#21 Text:ST0525C :CS3 2555-41C Exp:DIOXIN
 441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,3536.0,1.00%,F,T)
 100 % A2.78E7
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#21 Text:ST0525C :CS3 2555-41C Exp:DIOXIN
 457.7377 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6664.0,1.00%,R,T)
 A2.33E7



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

Sample#1 Text:STD0525C

:CS3 2555.41C Exp:DIOXIN

292.9825 S:21 SMO(1,3) PKD(5,3,5,100.00%,0,0,1.00%,F,T)

100 %

13:04

13:32

13:56

14:31

15:12

16:17

16:55

18:08

18:51

1.4E8

1.1H8

8.5E7

5.7E7

2.8E7

2.0E5

1.3E6

1.0E6

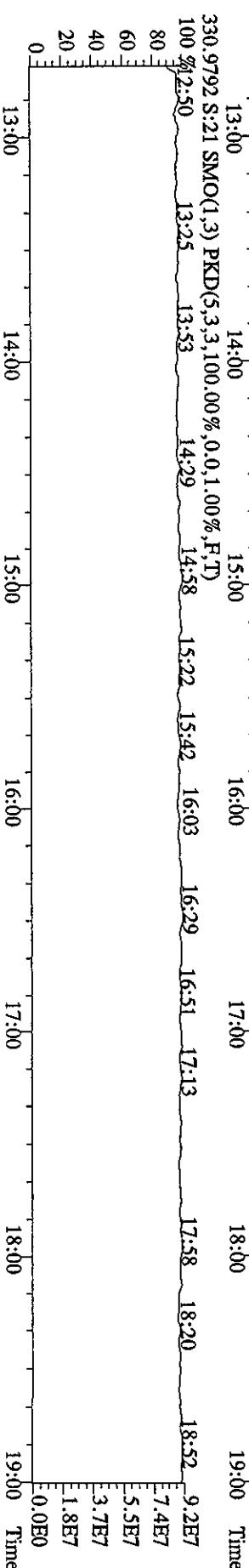
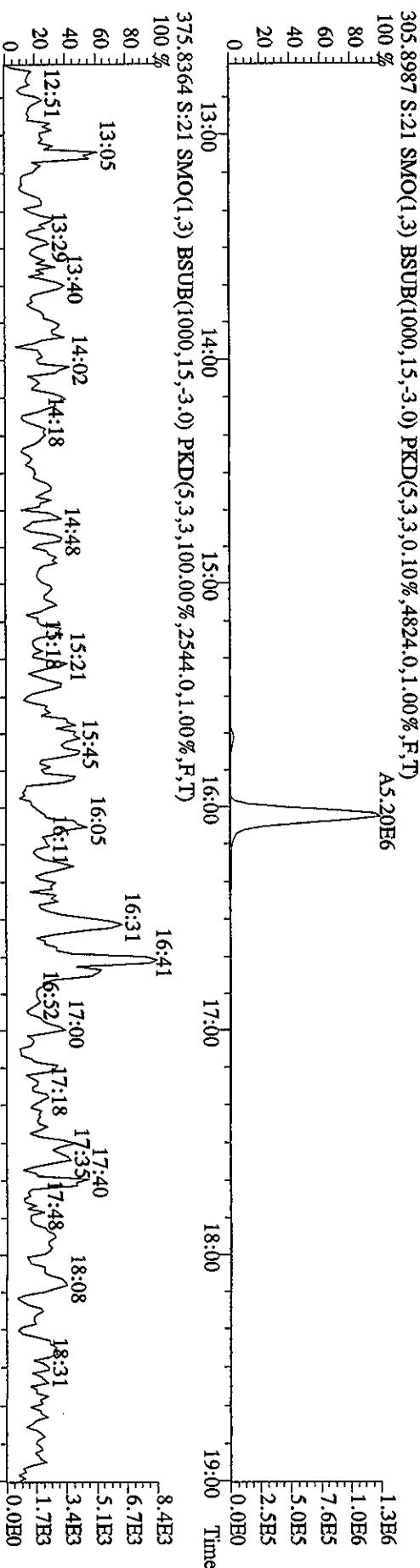
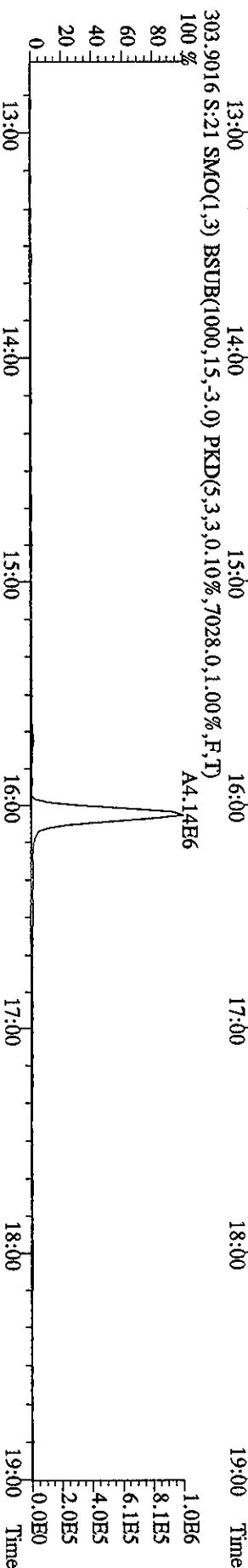
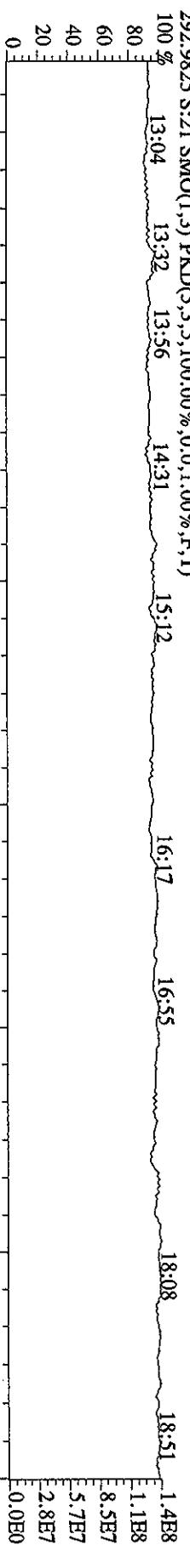
7.6E5

5.0E5

2.5E5

2.0E5

0.0E0



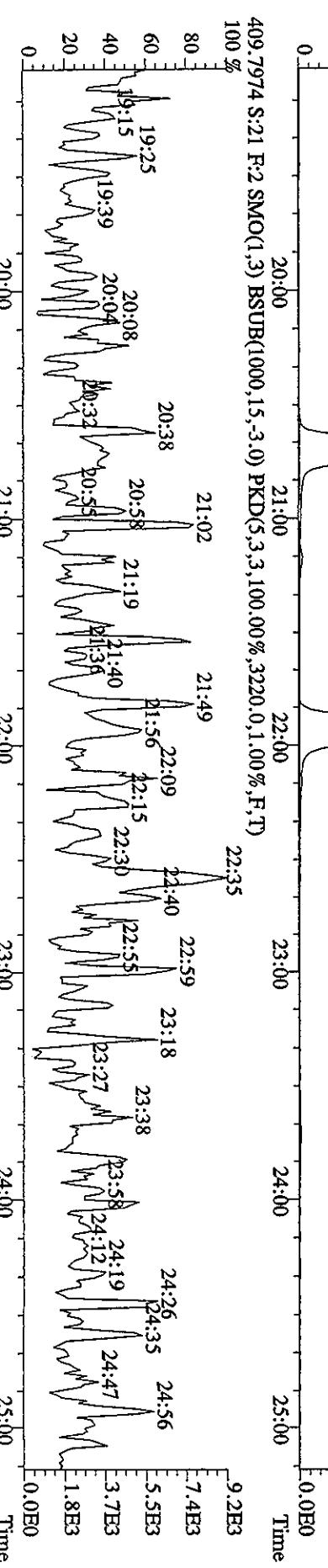
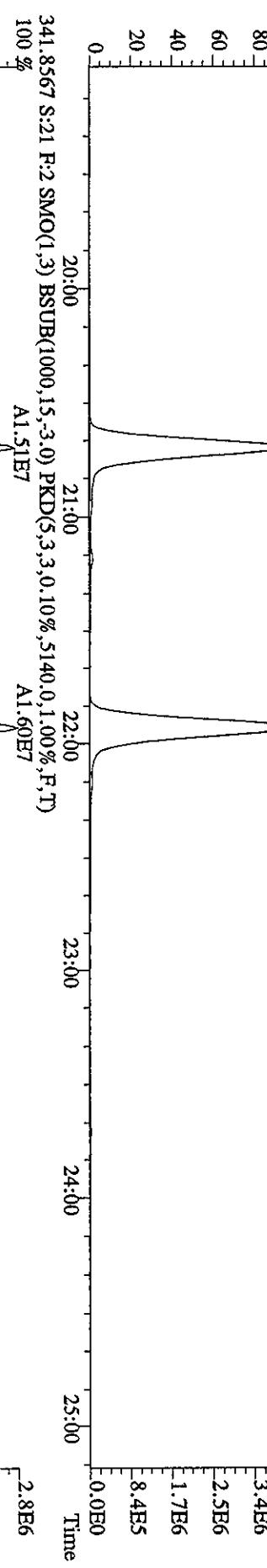
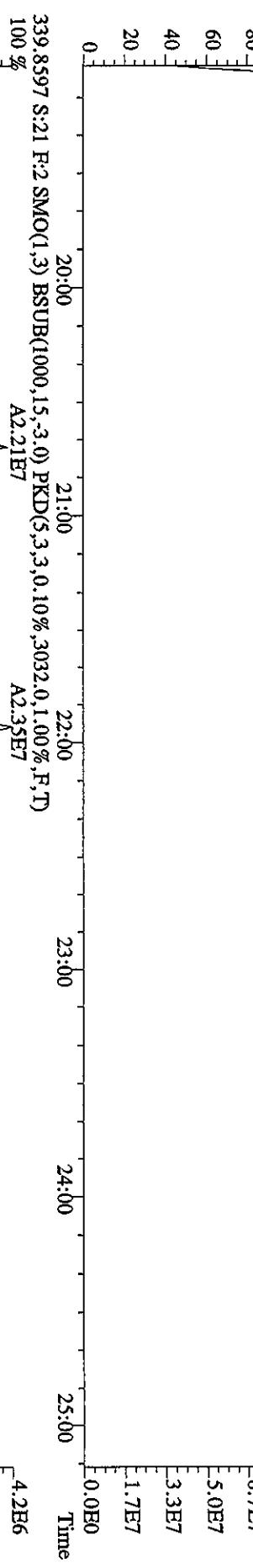
File:25MY06A9D5 #1491 Acq:26-MAY-2006 11:09:14 GC EI+ Voltage SIR Autospec-UltimaE

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

80 60 40 20 0 6.7E7 5.0E7 3.3E7 1.7E7



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 11:09:14 GC El+ Voltage SIR Autospec-UltimaE

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

392.9760 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1,00%,F,T)

100 % 25:25 25:50 26:33 27:08 27:46 28:12

80 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5772.0,1.00%,R,T)

100 % 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

A1.90E7 3.9E6

A1.75E7 3.1E6

A1.65E7 2.3E6

A1.55E7 1.6E6

A1.46E7 7.8E5

A1.35E7 0.0E0

375.8178 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4296.0,1.00%,R,T)

100 % 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

A1.57E7 3.2E6

A1.46E7 2.6E6

A1.35E7 1.9E6

A1.25E7 1.3E6

A1.15E7 6.4E5

A1.05E7 0.0E0

445.7555 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3740.0,1.00%,R,T)

100 % 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

30:29 31:03 1.4E4

30:38 31:29 1.1E4

30:46 31:49 8.4E3

29:26 31:53 5.6E3

29:19 32:00 2.8E3

29:10 32:01 0.0E0

28:11 32:02 6.1E7

28:31 32:03 4.8E7

28:41 32:04 3.6E7

27:05 32:05 2.4E7

27:43 32:06 1.2E7

26:00 32:07 0.0E0

26:10 32:08 30:15 30:53 31:17 31:58

26:41 32:09 30:16 30:54 31:18 31:59

27:00 32:10 30:17 30:55 31:19 32:00

27:05 32:11 30:18 30:56 31:20 32:01

27:43 32:12 30:19 30:57 31:21 32:02

28:00 32:13 30:20 30:58 31:22 32:03

29:00 32:14 30:21 30:59 31:23 32:04

29:26 32:15 30:22 31:00 31:24 32:05

30:00 32:16 30:23 31:01 31:25 32:06

31:00 32:17 30:24 31:02 31:26 32:07

31:20 32:18 30:25 31:03 31:27 32:08

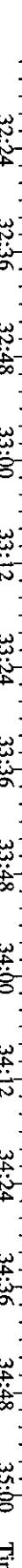
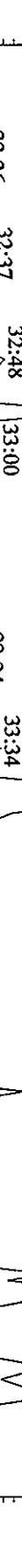
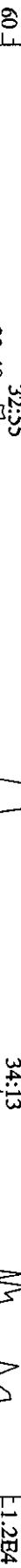
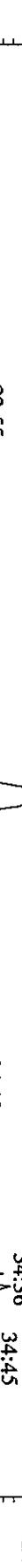
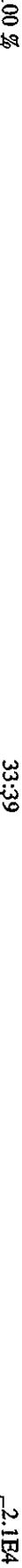
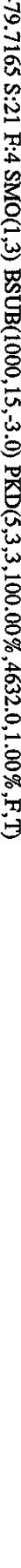
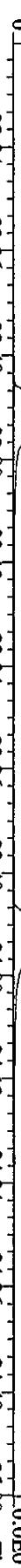
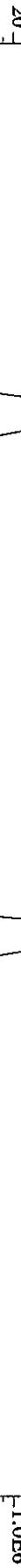
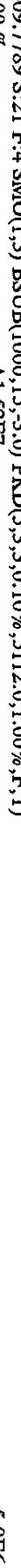
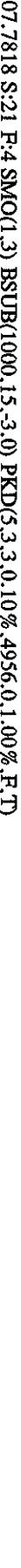
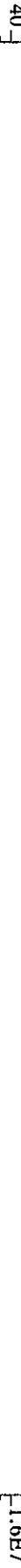
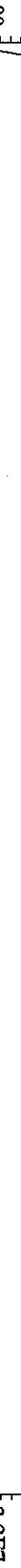
31:29 32:19 30:26 31:04 31:28 32:09

31:49 32:20 30:27 31:05 31:29 32:10

31:53 32:21 30:28 31:06 31:30 32:11

31:58 32:22 30:29 31:07 31:31 32:12

32:00 32:23 30:30 31:08 31:32 32:13



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

Sample#21 Text:ST052C :CS3 256541C Exp:DIOXIN

454.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:13 35:21 35:34 35:43 35:55 36:12 36:21 36:40 36:54 37:05 37:21 4.1E7

90 70 80 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:30 35:48 36:01 36:19 36:40 37:04 37:21 4.1E7

90 80 70 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:13 35:21 35:34 35:43 35:55 36:12 36:21 36:40 36:54 37:05 37:21 4.1E7

90 70 80 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:30 35:48 36:01 36:19 36:40 37:04 37:21 4.1E7

90 80 70 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:13 35:21 35:34 35:43 35:55 36:12 36:21 36:40 36:54 37:05 37:21 4.1E7

90 70 80 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:30 35:48 36:01 36:19 36:40 37:04 37:21 4.1E7

90 80 70 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:13 35:21 35:34 35:43 35:55 36:12 36:21 36:40 36:54 37:05 37:21 4.1E7

90 70 80 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:30 35:48 36:01 36:19 36:40 37:04 37:21 4.1E7

90 80 70 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:13 35:21 35:34 35:43 35:55 36:12 36:21 36:40 36:54 37:05 37:21 4.1E7

90 70 80 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:30 35:48 36:01 36:19 36:40 37:04 37:21 4.1E7

90 80 70 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:13 35:21 35:34 35:43 35:55 36:12 36:21 36:40 36:54 37:05 37:21 4.1E7

90 70 80 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:30 35:48 36:01 36:19 36:40 37:04 37:21 4.1E7

90 80 70 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:13 35:21 35:34 35:43 35:55 36:12 36:21 36:40 36:54 37:05 37:21 4.1E7

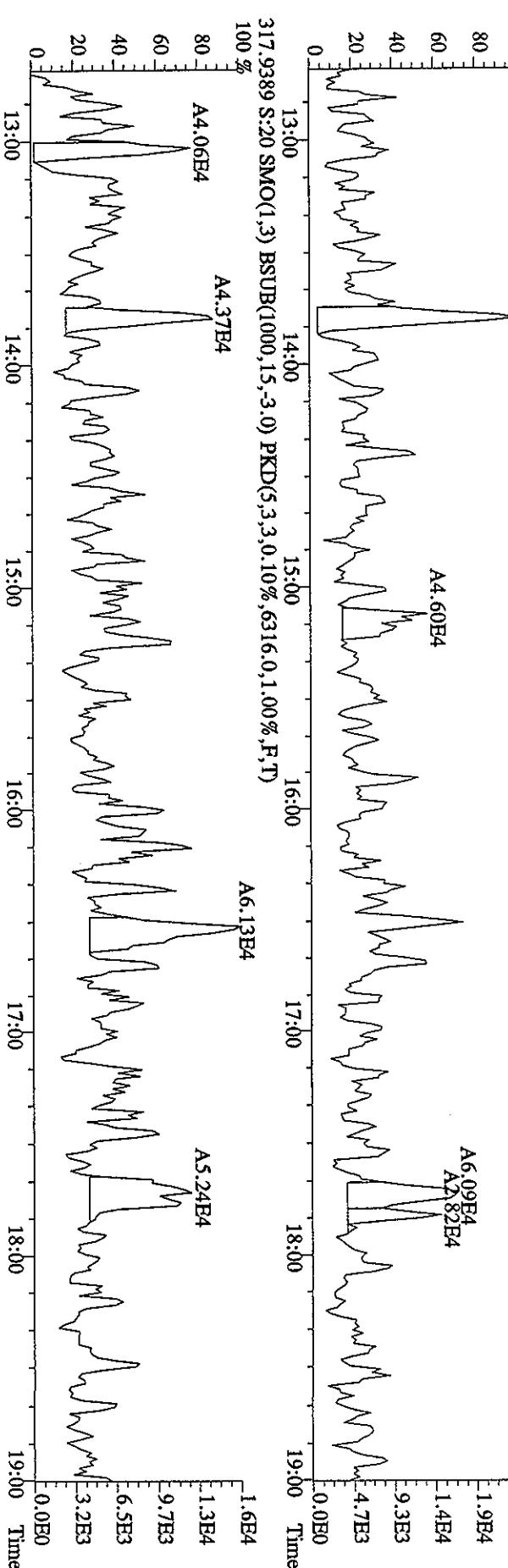
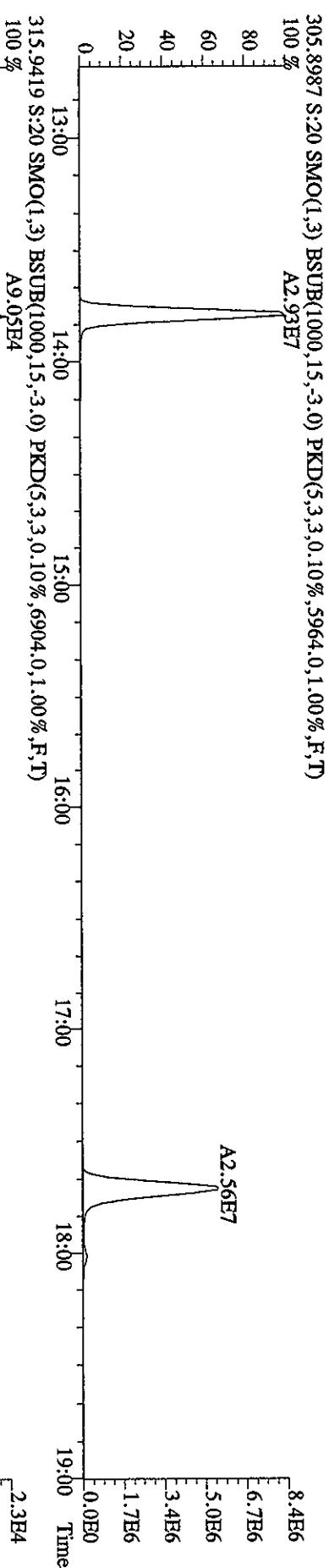
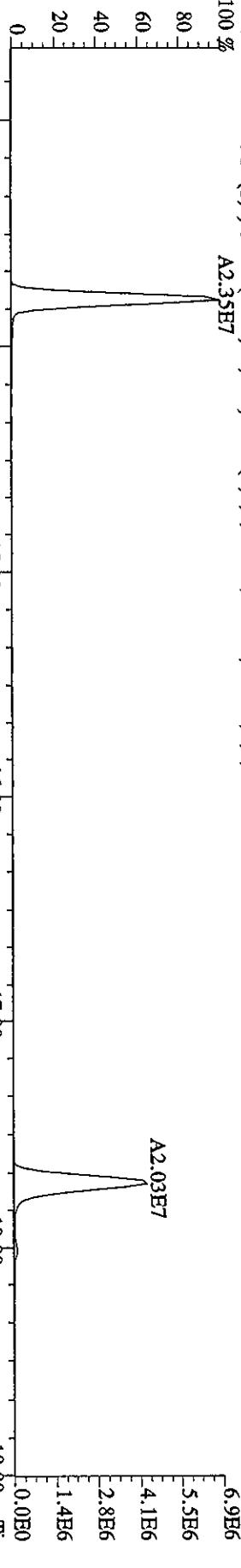
90 70 80 60 50 40 30 20 10 0

35:12 35:24 35:36 35:48 35:60 35:72 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 4.1E7

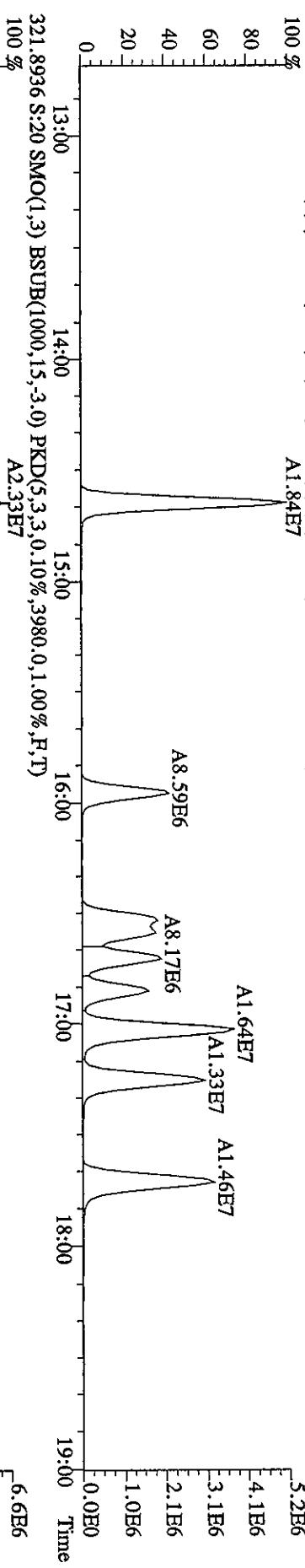
442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:30 35:48 36:01 36:19 36:40 37:04 37:21 4.1E7

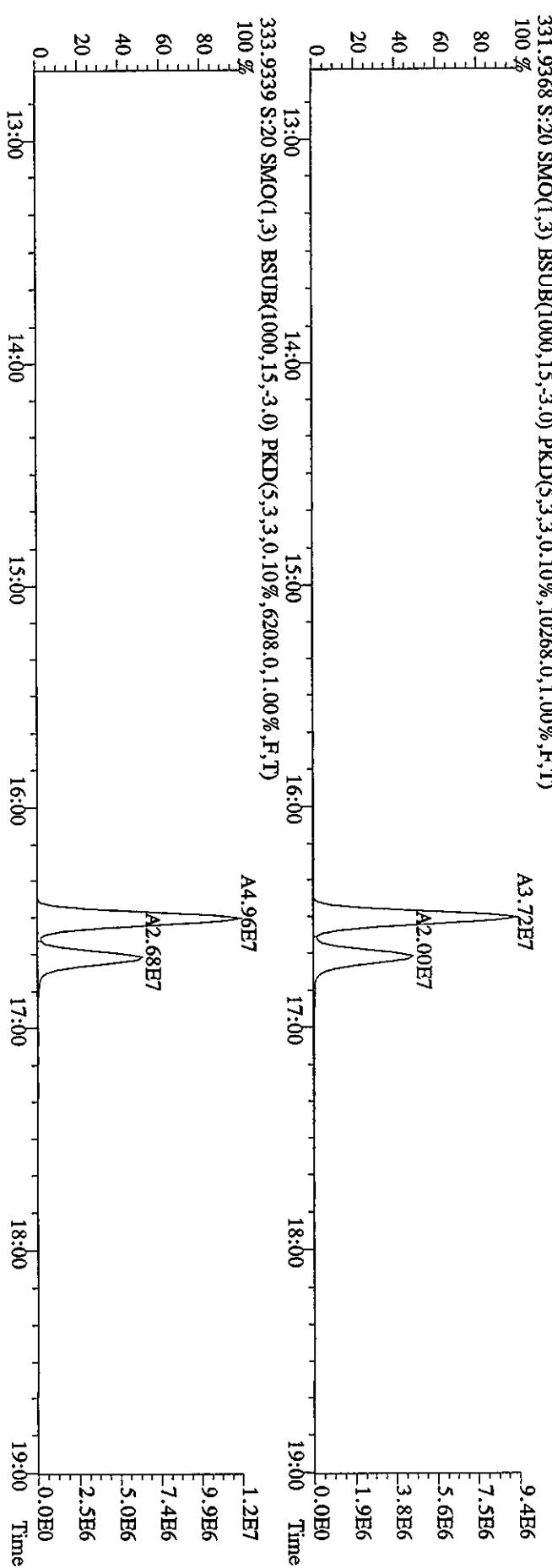
File:25MY06A9D5 #1439 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#:20 Text:CP0525A :DB-5 CPSM 2565.47 Exp:DIOXIN
 303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9116.0,1.00%,F,T)
 100 % A2.35E7



File:25MY06A9D5 #1439 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 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)
 A1.84E7

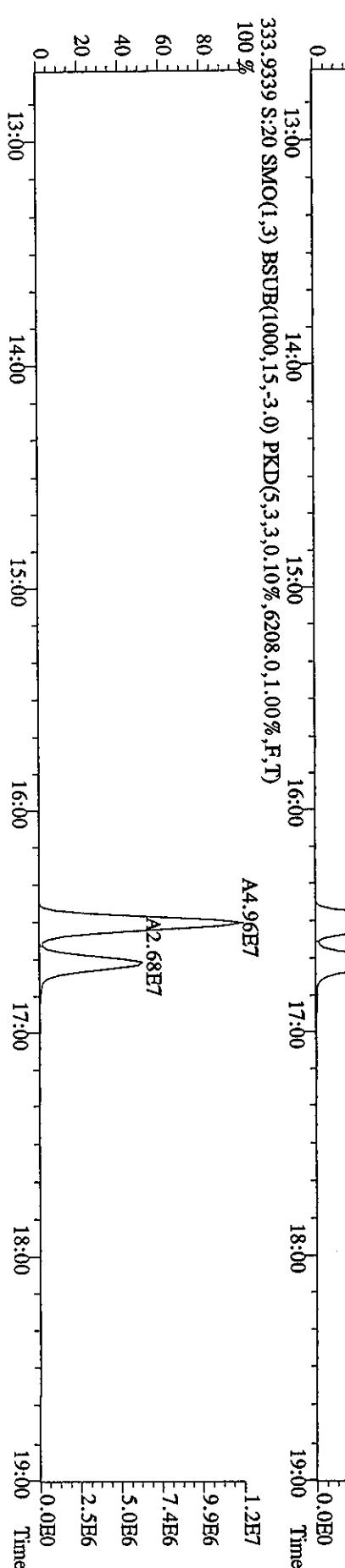
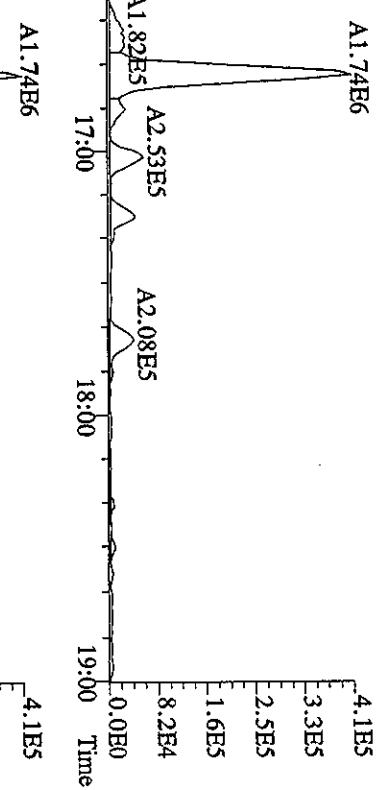
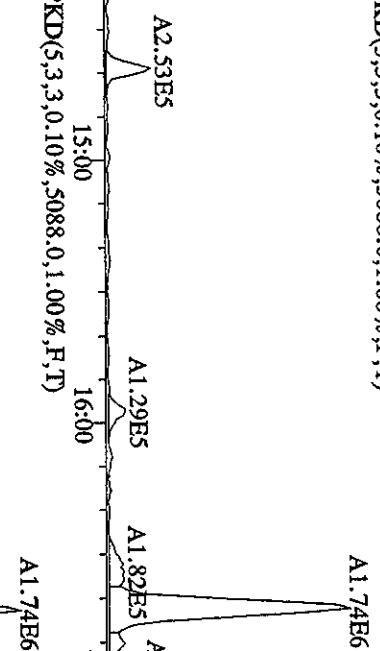
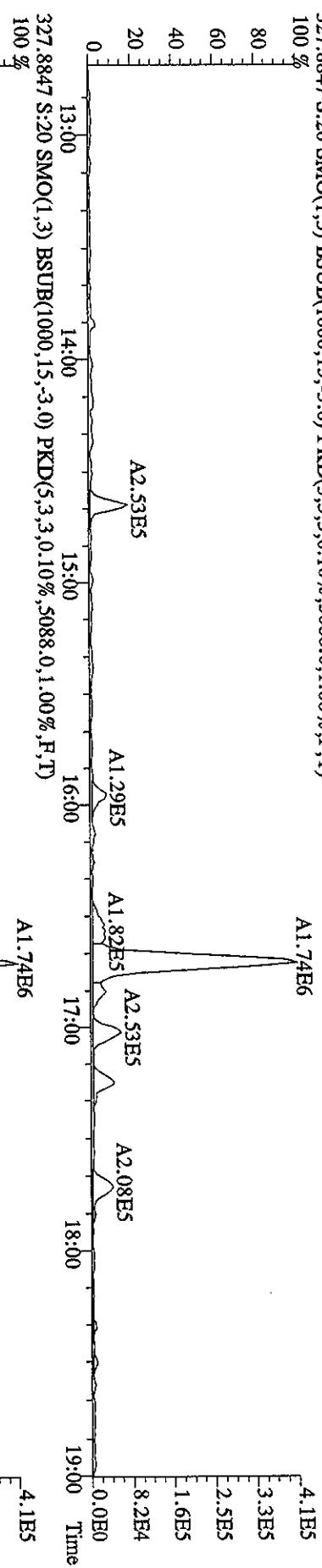


321.8936 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3980,0,1.00%,F,T)
 A2.33E7

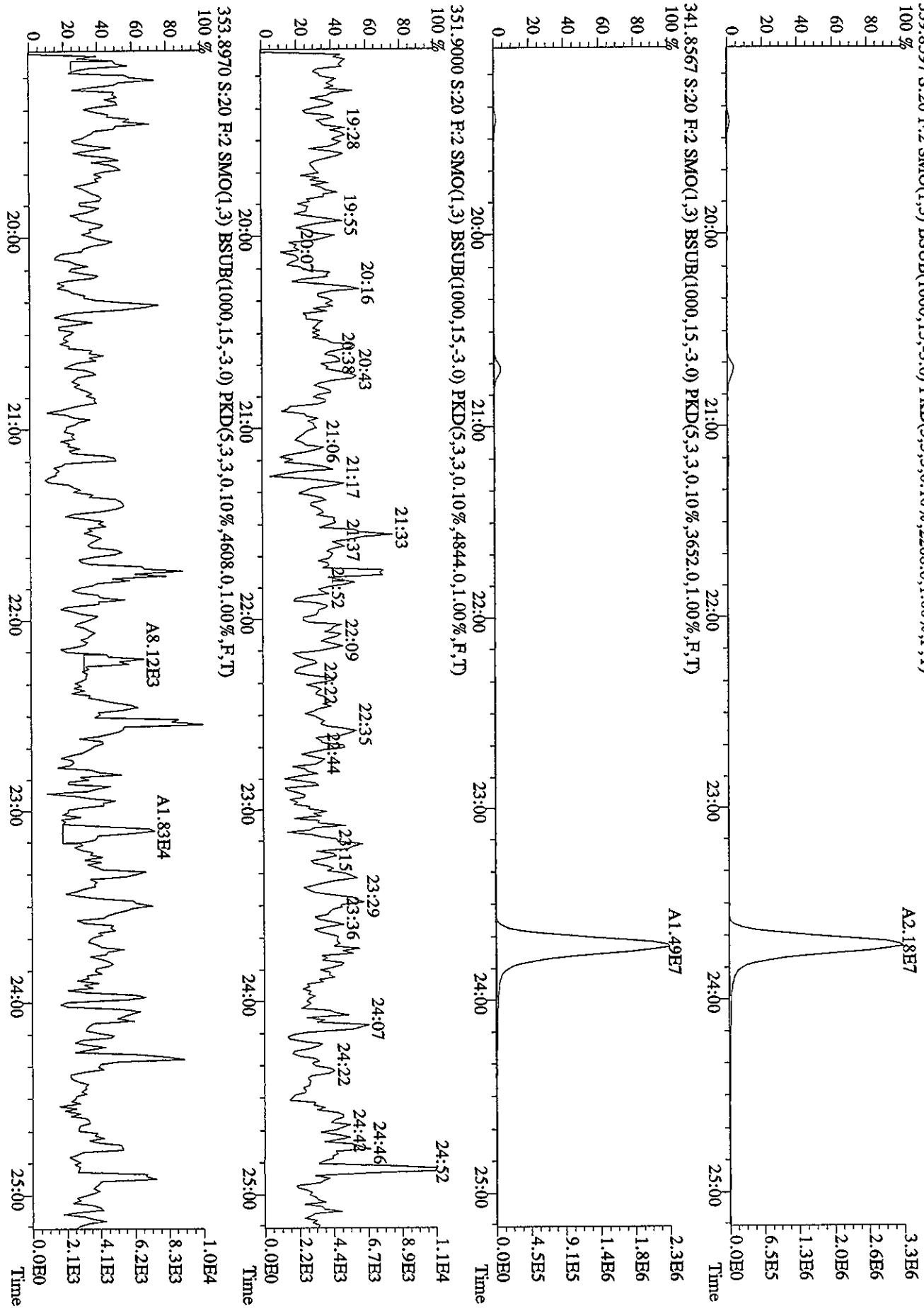


333.9339 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6208,0,1.00%,F,T)

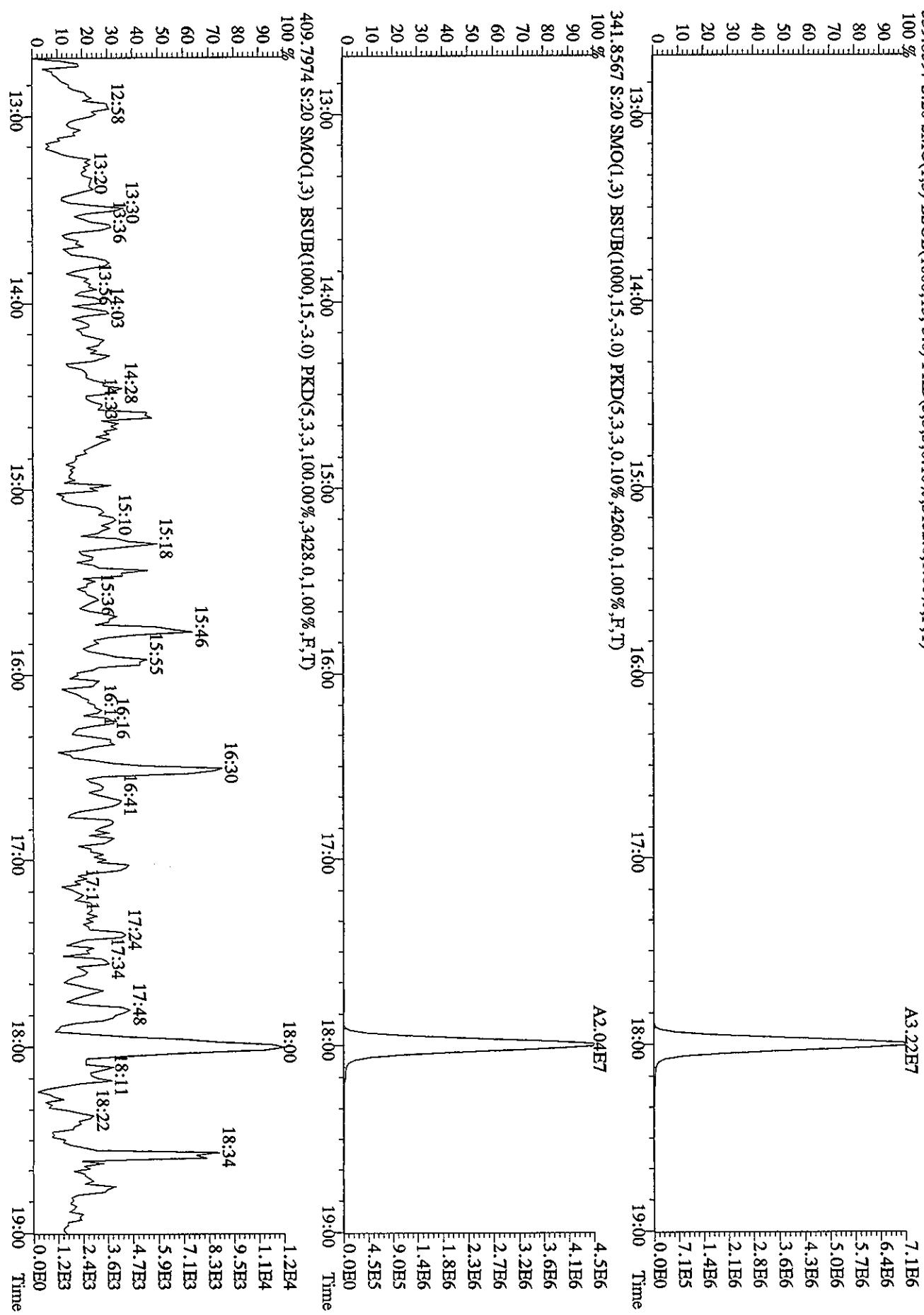
File:25MY06A9D5 #1439 Acq:26-MAY-2006 10:27:44 GC El+ Voltage SIR Autospec-UltimaE
 Sample#:20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN
 327.8847 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5088.0,1.00%,F,T)
 100 %
 80
 60
 40
 20
 0



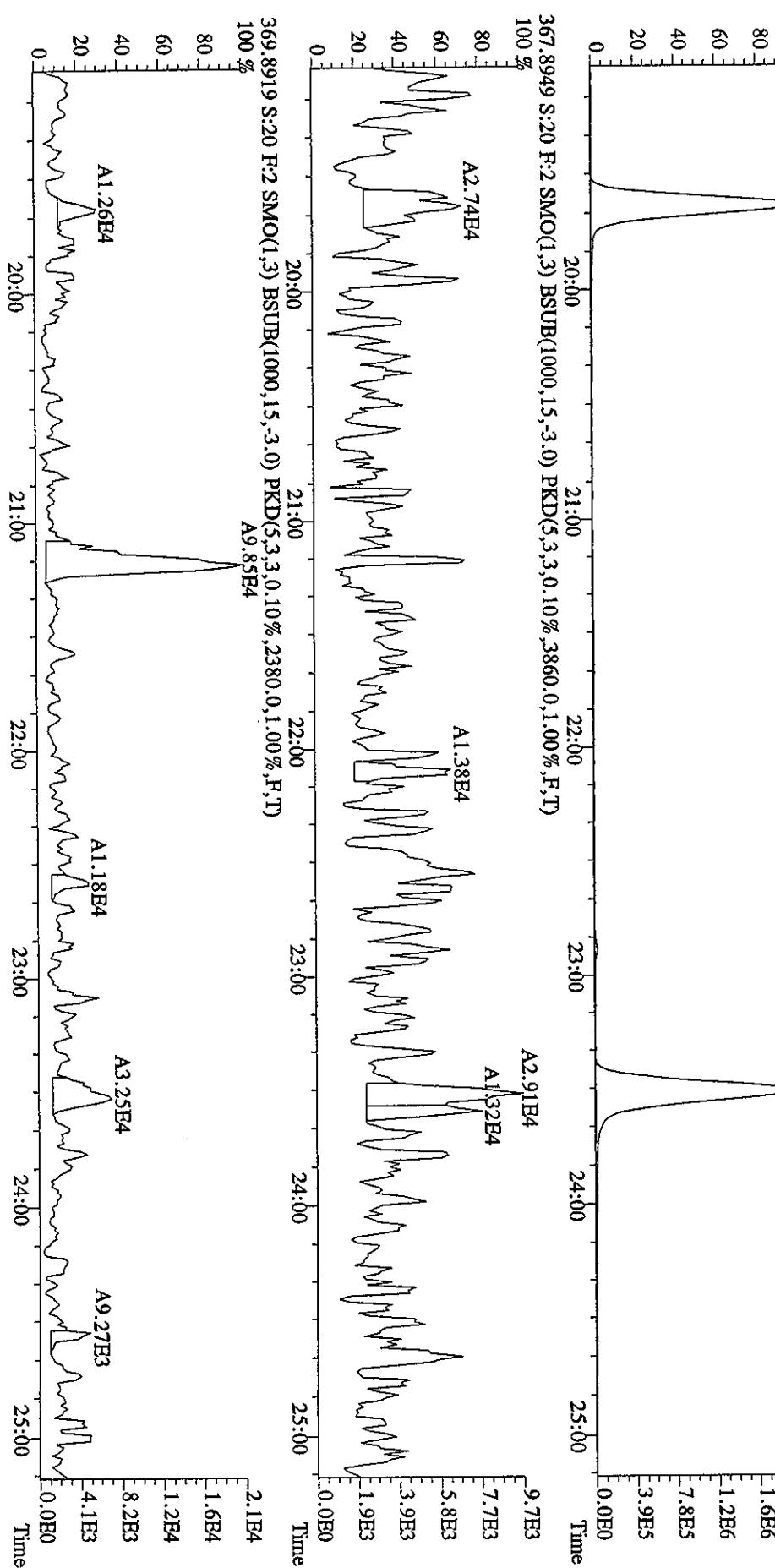
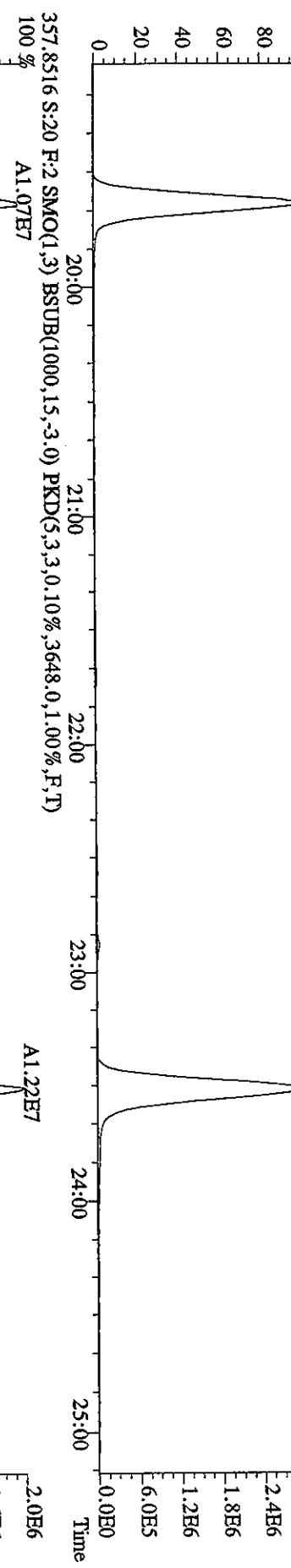
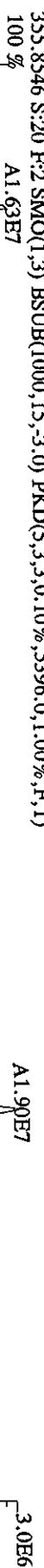
File:25MY06A9D5 #1491 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#:20 Text:CP025A :DB-5 CPSM 2565.47 Exp:DIOXIN
 339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2208.0,1.00%,F,T)



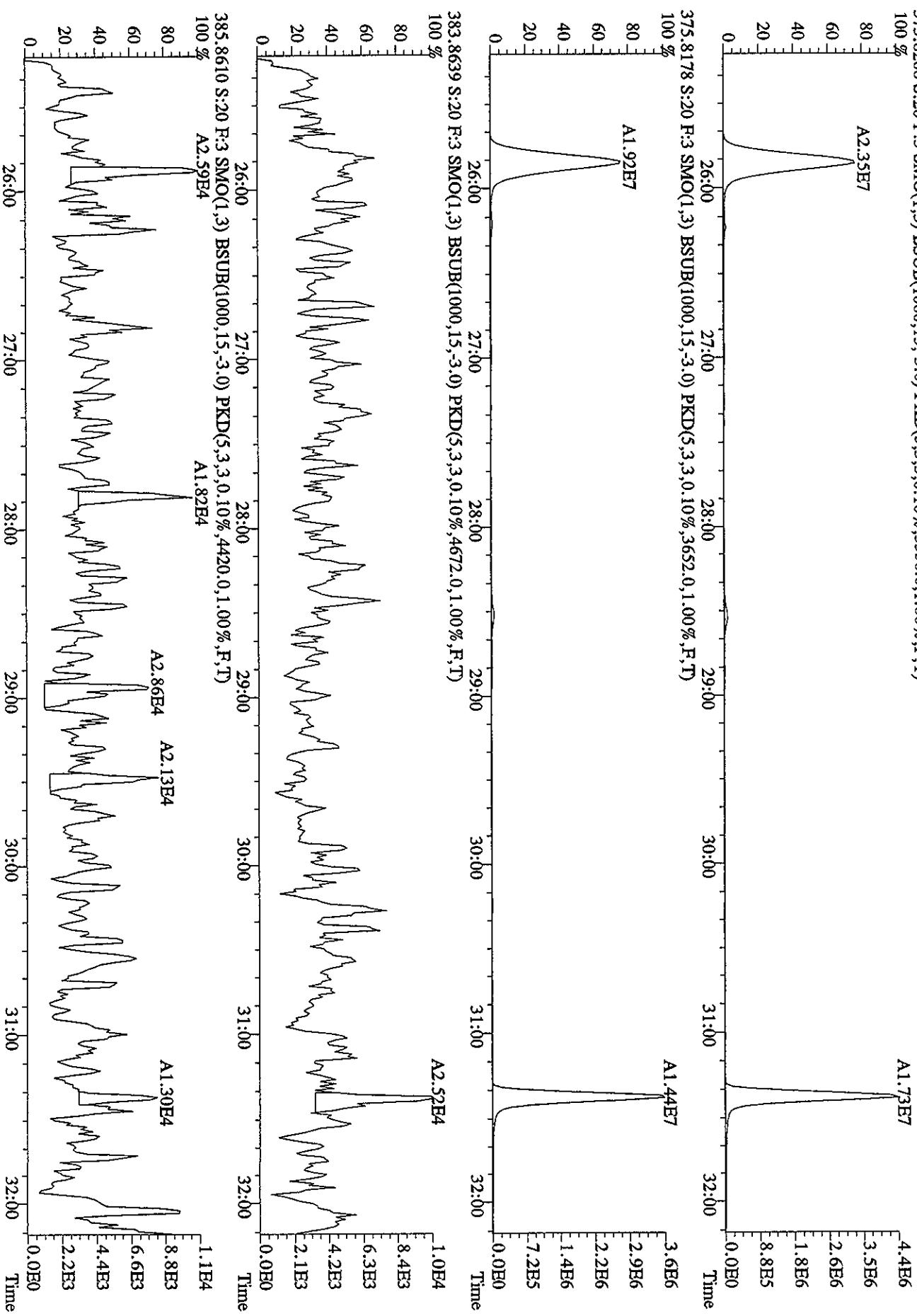
File:25MY06A9D5 #1-439 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN
 339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3152.0,1.00%,F,T)



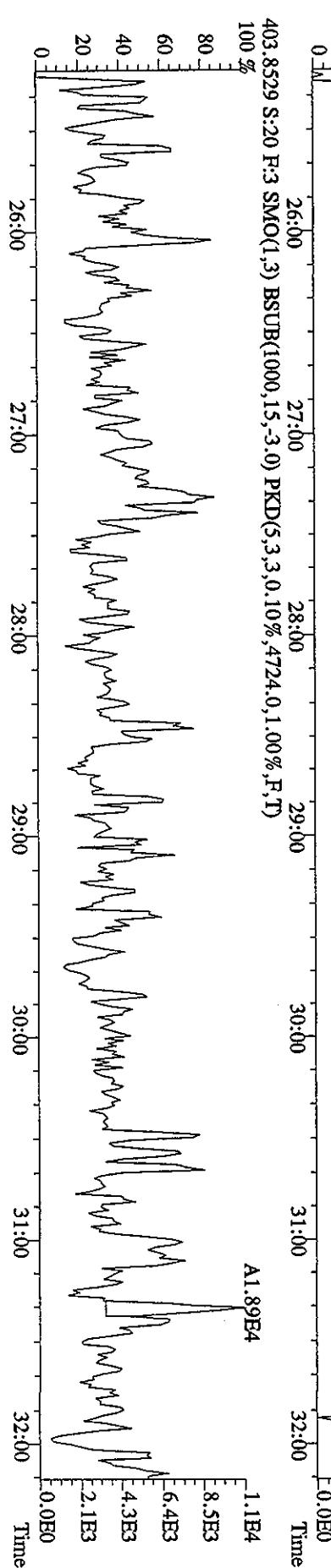
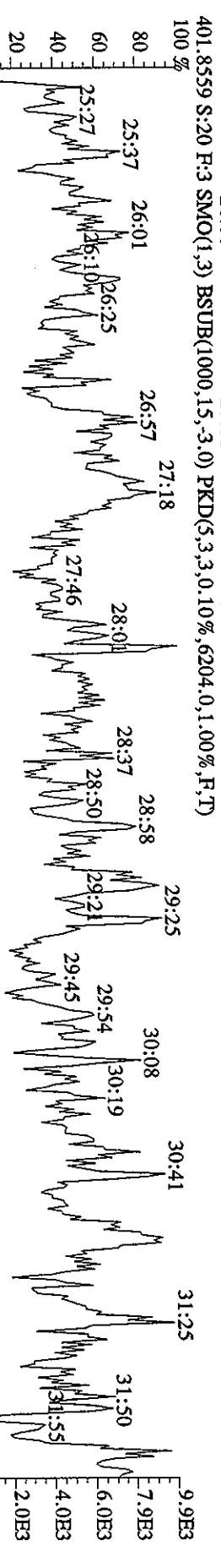
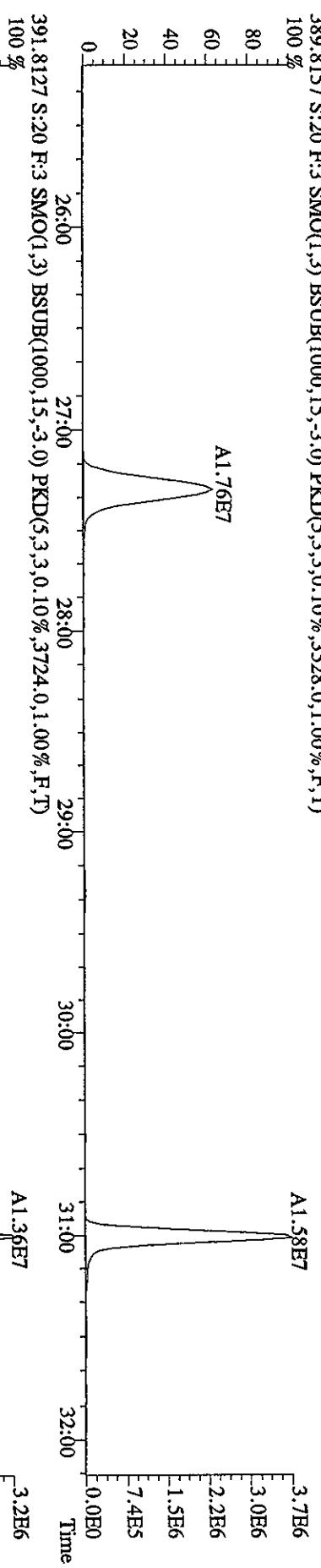
File:25MY06A9D5 #1-491 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN
355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5396.0,1.00%,F,T)
100 %
A1.63E7



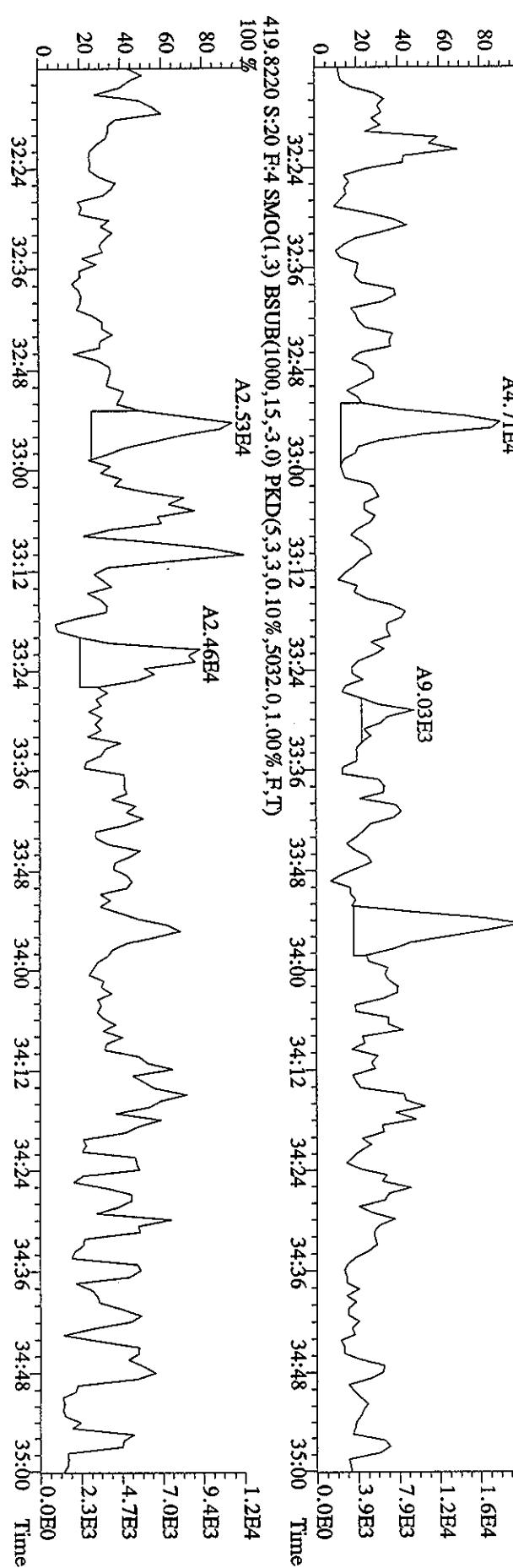
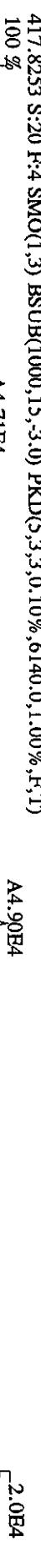
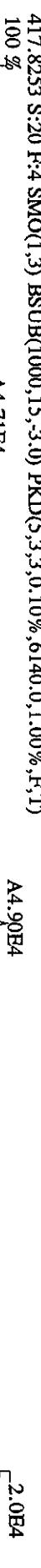
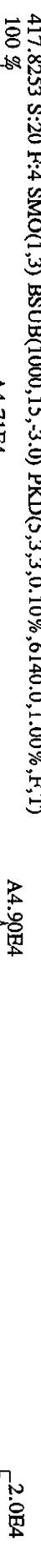
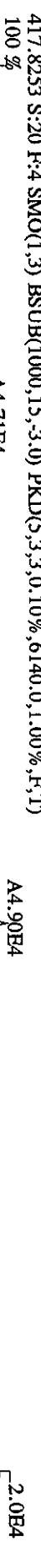
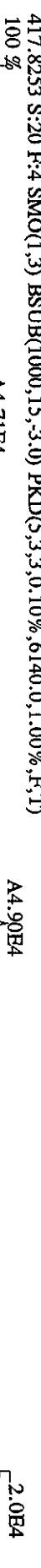
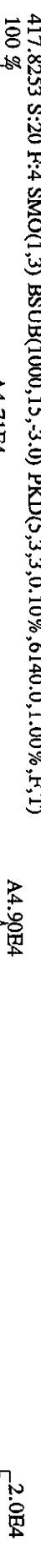
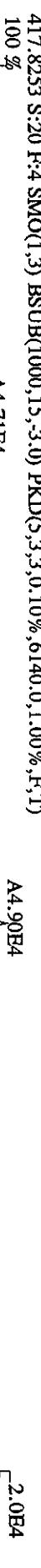
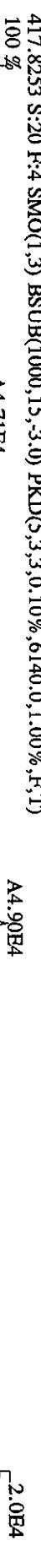
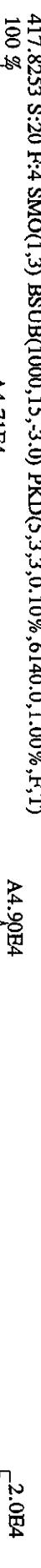
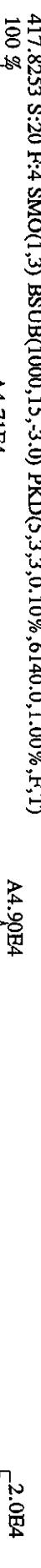
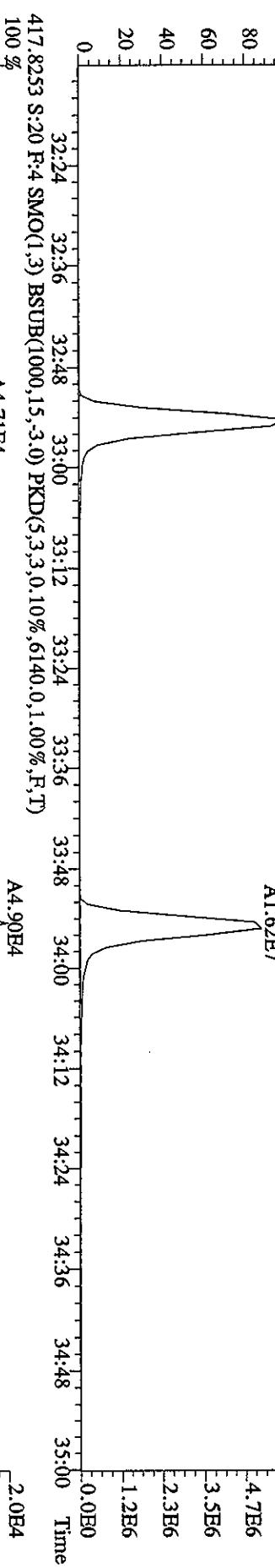
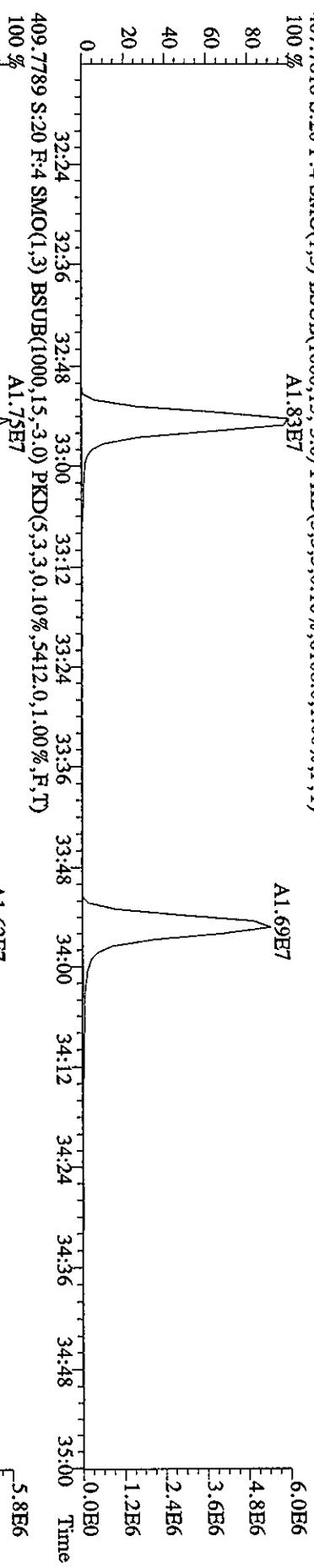
File:25MY06A9D5 #1-528 Acq:26 MAY 2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN
 373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5356.0,1.00%,F,T)



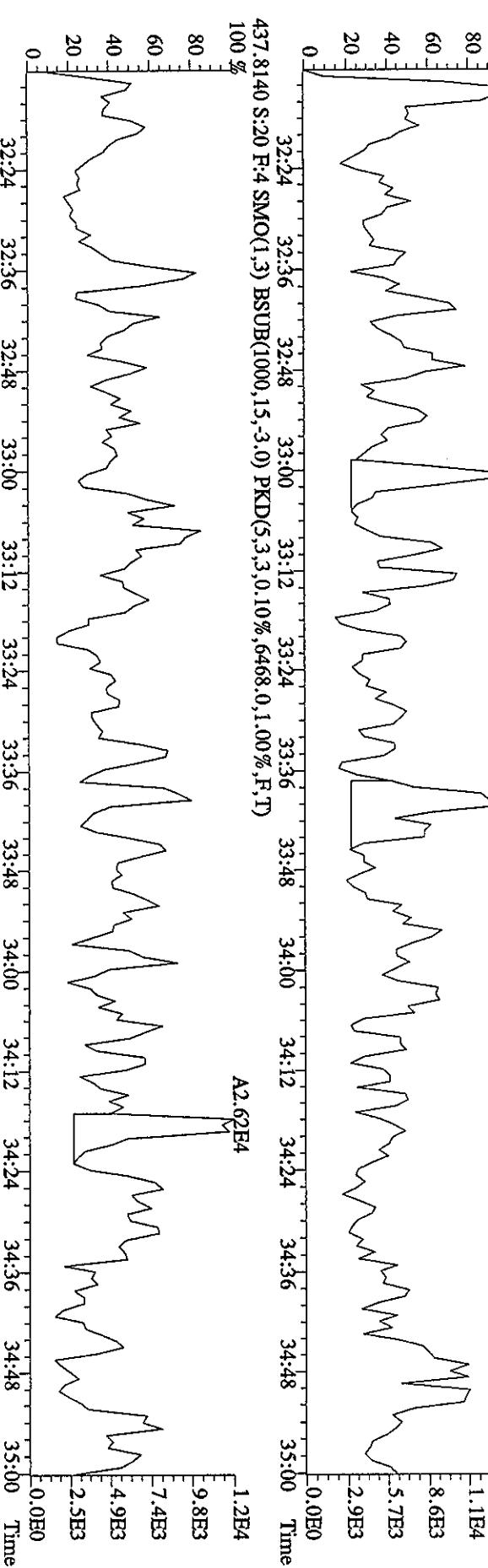
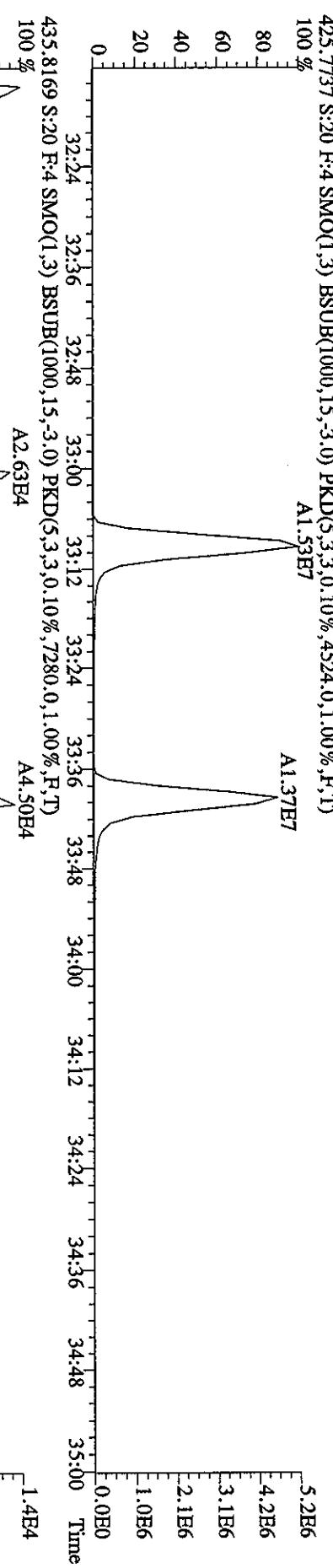
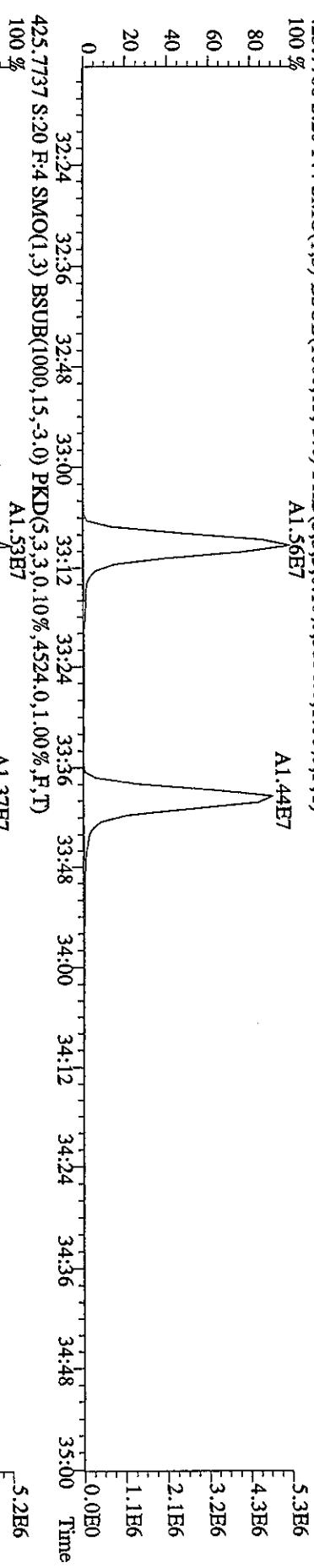
File:25MY06A9DS #1-528 Acq:26 MAY 2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0525A :DB-5 CPSM 2565.47 Exp:DIOXIN
 389.857 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3528.0,1.00%,F,T)



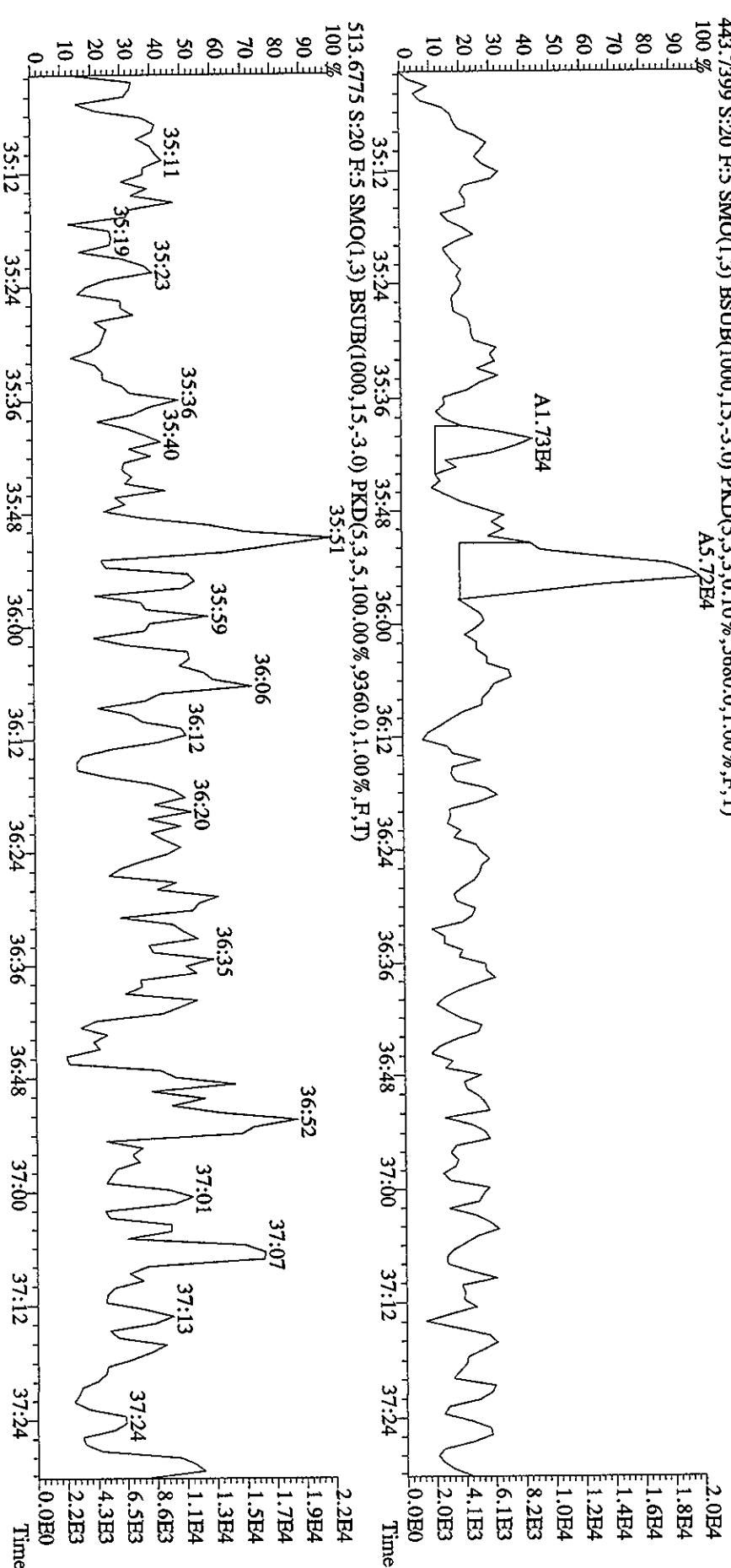
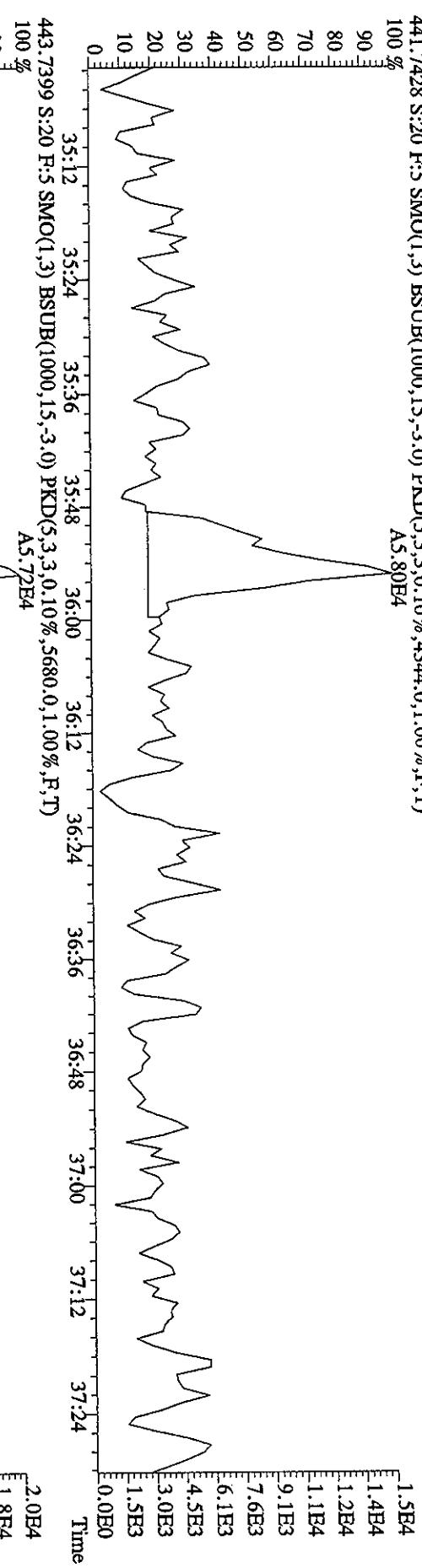
File:25MY06A9D5 #1-224 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN
 407.7818 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6108.0,1.00%,F,T)
 100 % A1.83E7



File:2:MY06A9D5 #1-224 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0525A :DB-5 CPSM 256547 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)
 A1.56E7 A1.44E7
 5.3E6
 4.3E6
 3.2E6
 2.1E6
 1.1E6



File:25MY06A9D5 #1-201 Acq:26-MAY-2006 10:27:44 GC El+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0525A Exp:DIOXIN
 :DB-5 CPSM 2565.47
 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)
 100 %
 A5.80E4
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0



File:2SMY06A9D5 #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 % A1.40E7

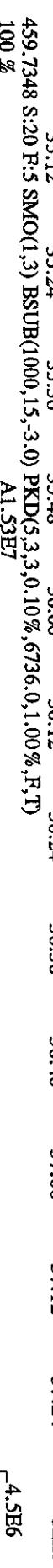
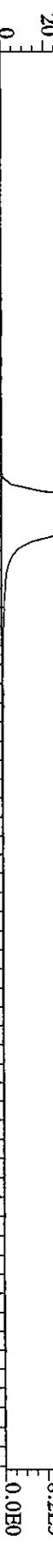
4.1E6

3.3E6

2.5E6

1.6E6

8.2E5



4.5E6

3.6E6

2.7E6

1.8E6

9.1E5

1.8E4

1.4E4

1.1E4

7.2E3

3.6E3



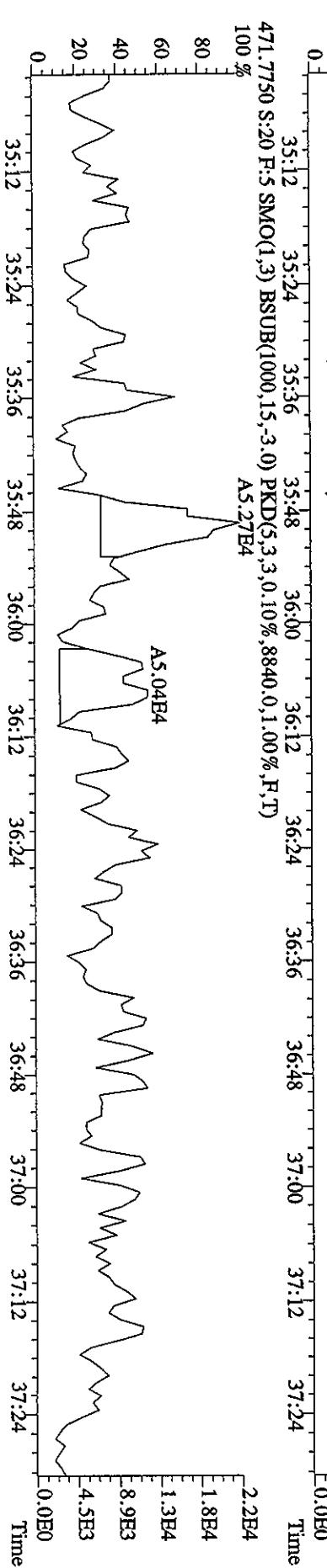
2.2E4

1.8E4

1.3E4

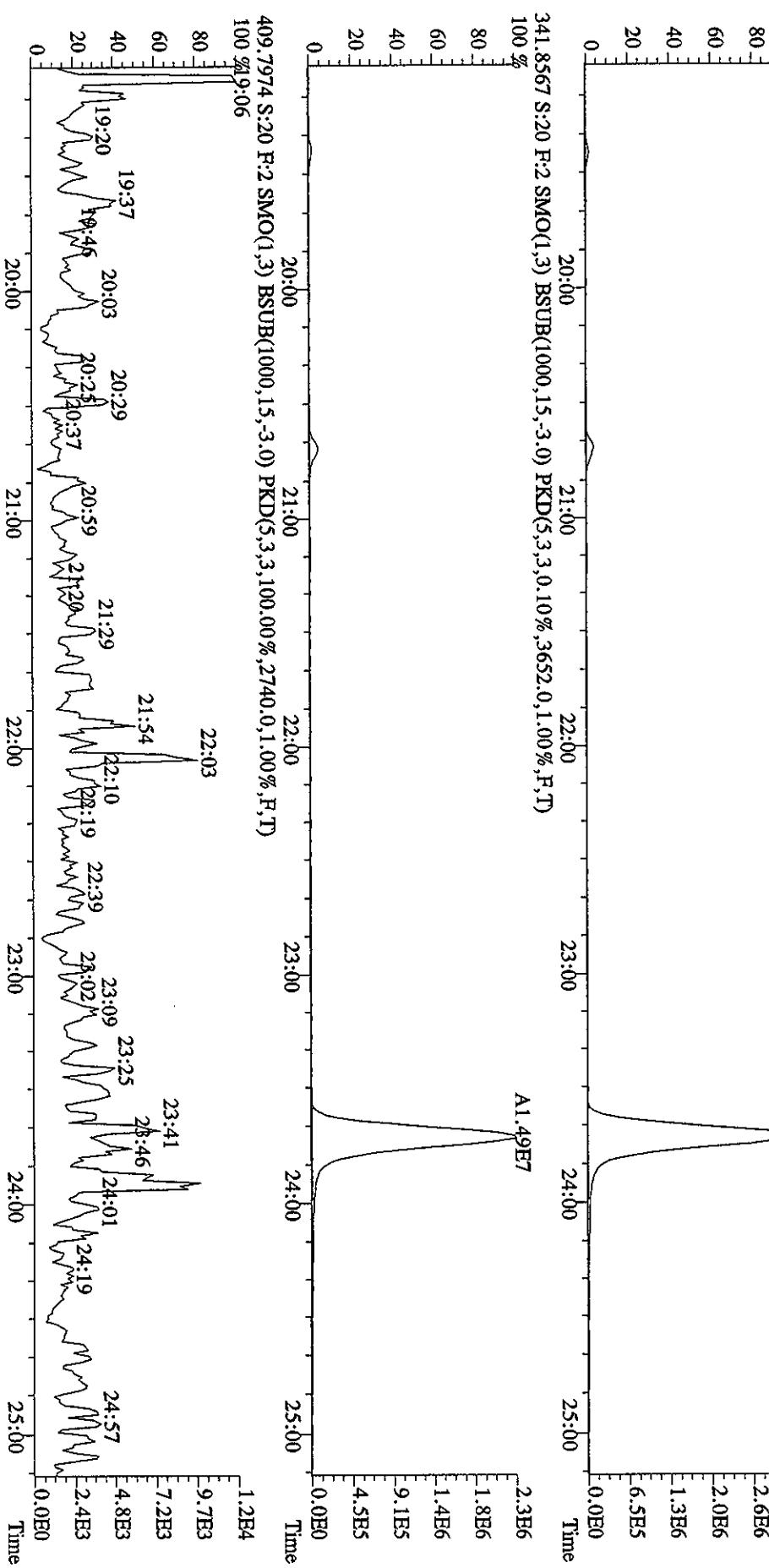
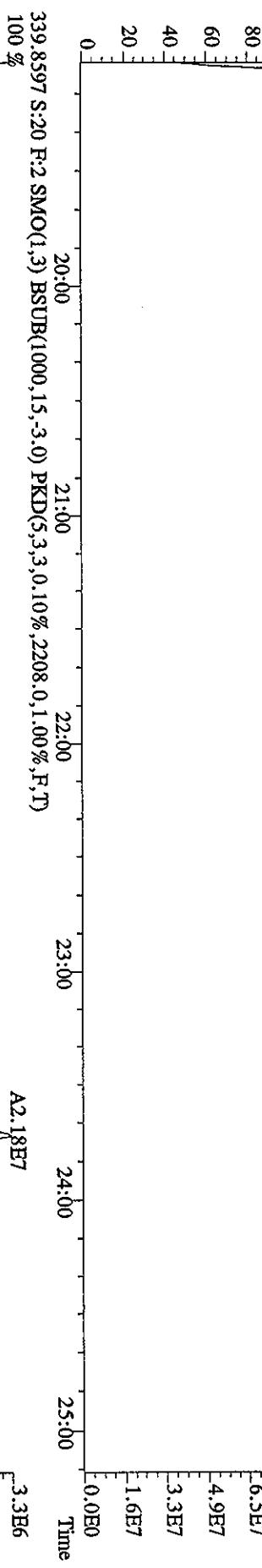
8.9E3

4.5E3



File:25MY06A9D5 #1439 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)
 100 % 13:20 13:36 14:35 15:26 15:49 16:09 16:30 17:25 18:13 18:58 14:48

File:25MY06A9D5 #1-491 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE
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



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 10:27:44 GC El+ Voltage SIR Autospec-UltimaE
 Sample#20 Text:CP0525A :DB-5 CPSM 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

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)

100% 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

A2.35E7 100% 4.4E6

80% 3.5E6

60% 2.6E6

40% 2.2E6

20% 1.4E6

0% 1.8E6

8.8E5

0.0E0

375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3652.0,1.00%,F,T)

100% 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

A1.92E7 100% 3.6E6

80% 2.9E6

60% 2.2E6

40% 1.4E6

20% 7.2E5

0% 0.0E0

445.7555 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3688.0,1.00%,F,T)

100% 26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

80% 31:17 9.4E3

60% 27:16 7.5E3

40% 25:51 5.6E3

20% 25:49 26:24 26:55 27:27 27:49 28:17 28:57 29:10 29:28 29:52 30:19 30:30 30:32 31:28 31:47 31:55 31:38 3.8E3

0% 3.8E3 1.9E3

380.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100% 25:37 26:10 26:40 27:07 27:50 28:15 28:56 29:19 30:02 30:30 30:55 31:33 5.7E7

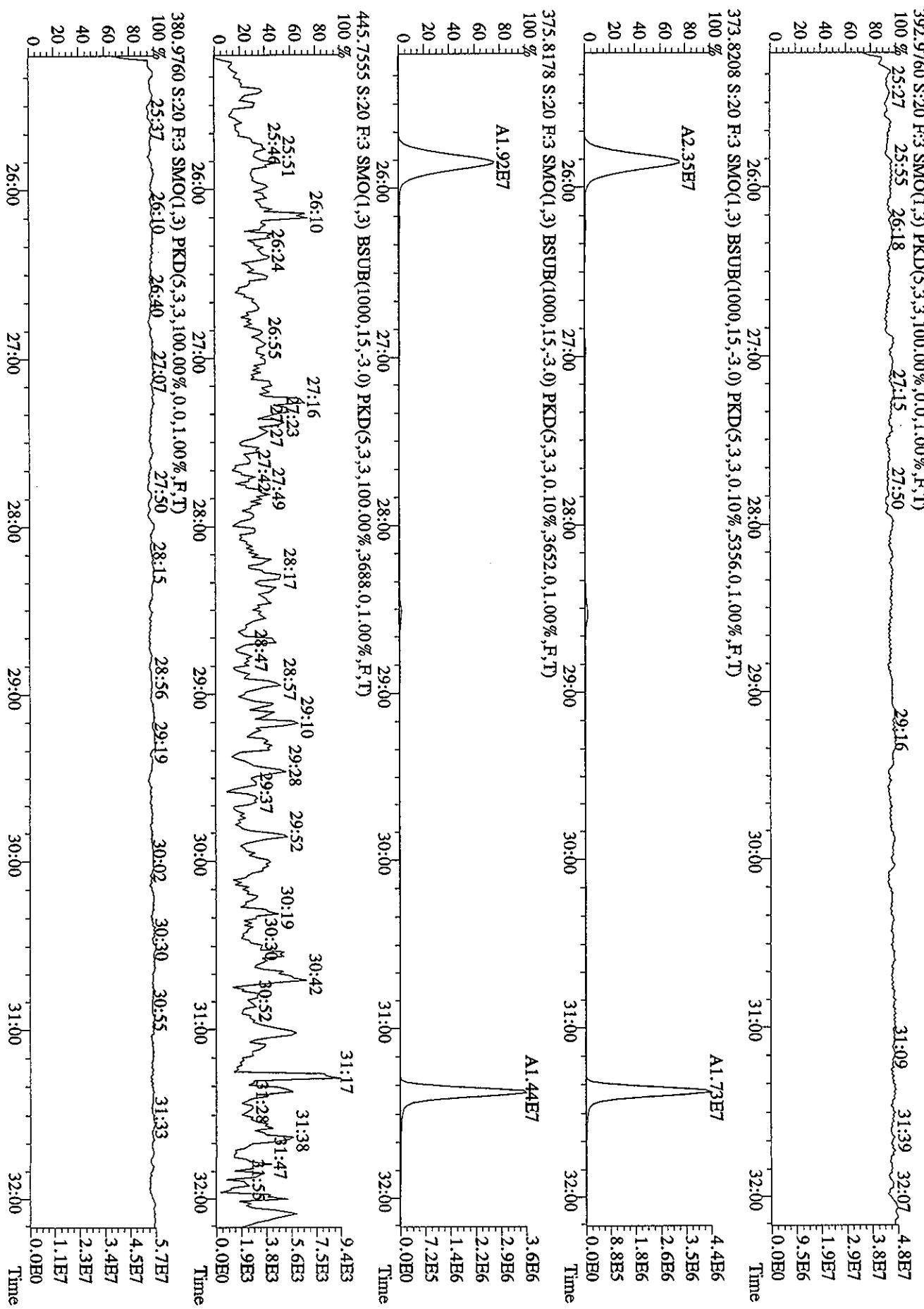
80% 4.5E7

60% 3.4E7

40% 2.3E7

20% 1.1E7

0% 0.0E0



File:25MY06A9D5 #1-224 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaE

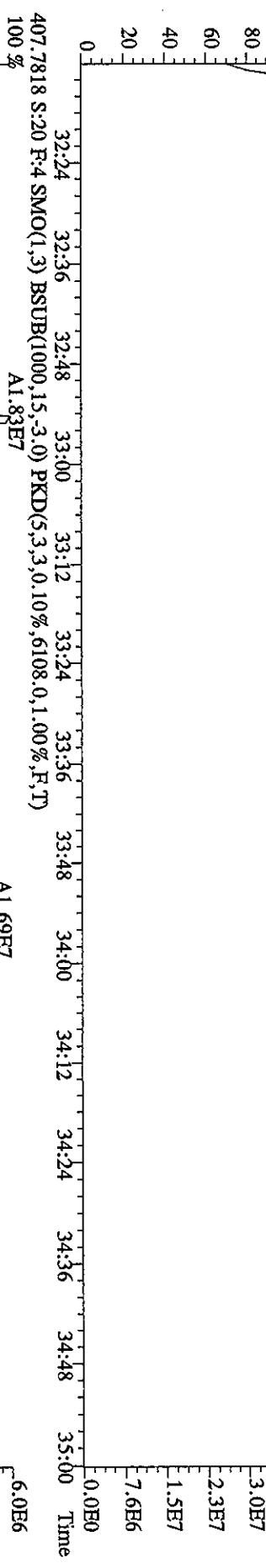
Sample#20 Text:CP0525A :DB-5 CPSM 2565-47 Exp:DIOXIN

430,9728 S:20 R:4 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

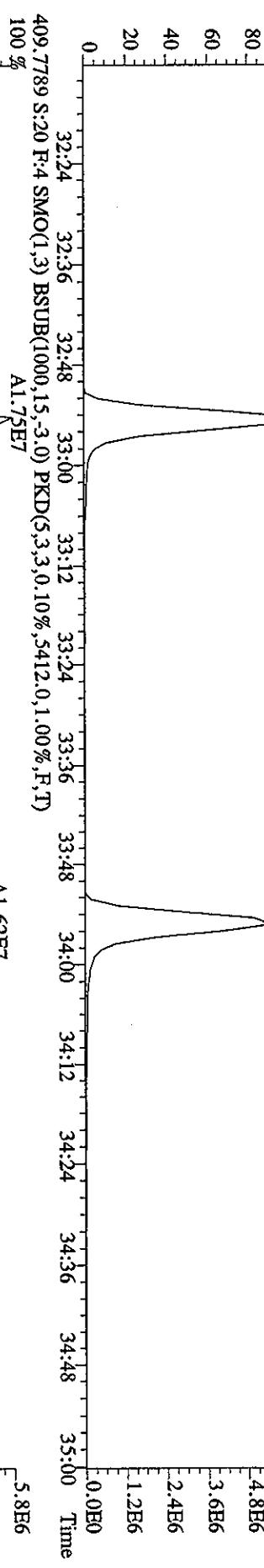
100 % 32:17 32:27 32:37 32:46 33:00 33:12 33:27 33:44 34:07 34:29 34:41 34:51



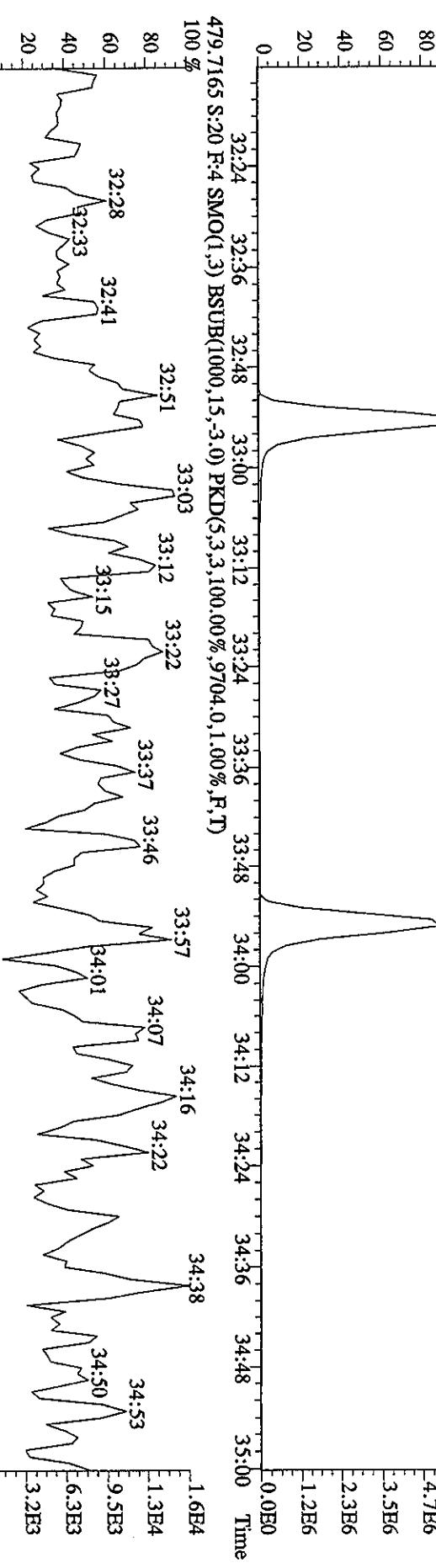
407.7818 S:20 R:4 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0.10%,6108.0,1.00%,F,T)



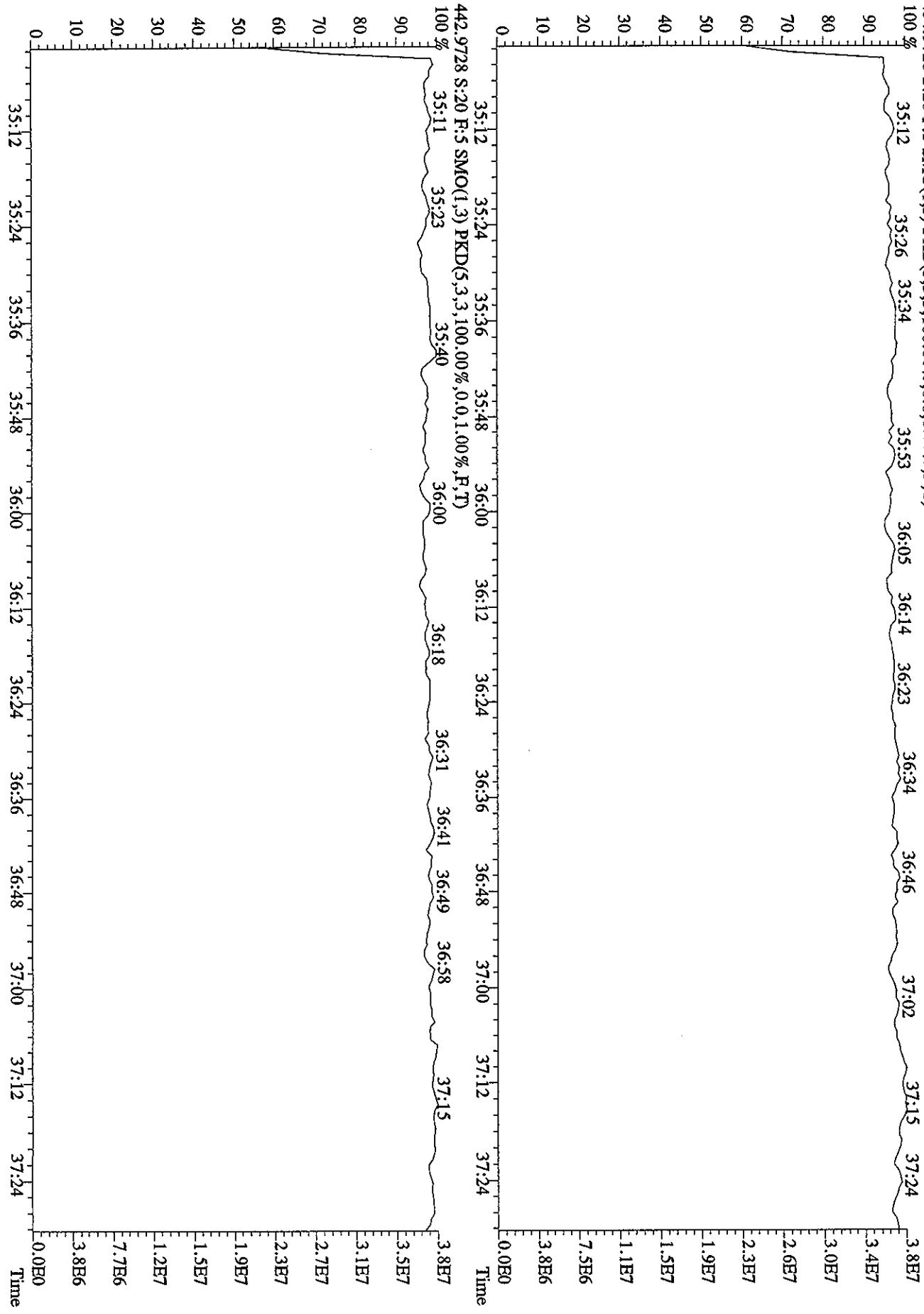
409.7789 S:20 R:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5412.0,1.00%,F,T)



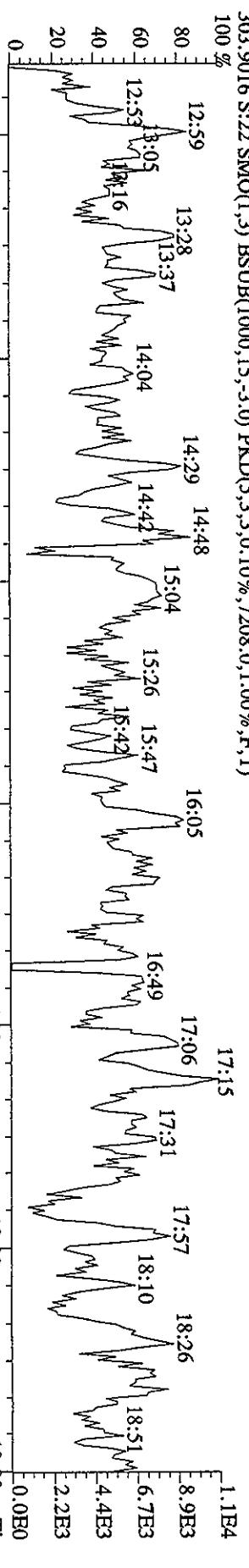
479.7165 S:20 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,9704.0,1.00%,F,T)



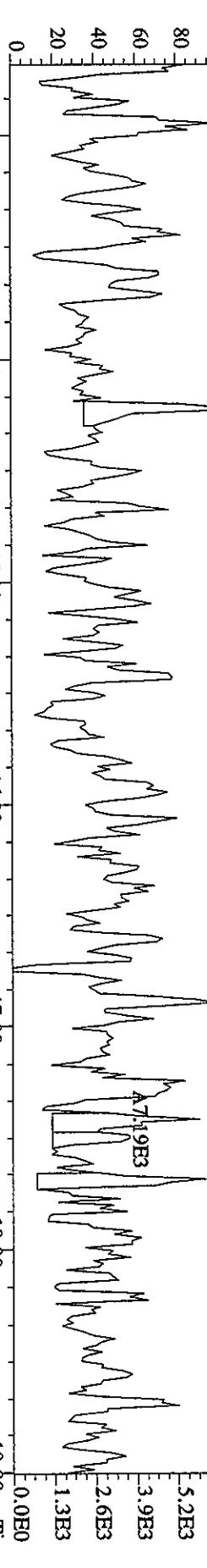
File:25MMY06A9D5 #1-201 Acq:26-MAY-2006 10:27:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#020 Text :CPMS025A :IDB-5 CPMS25 2006-05-27 EXP-DIOXIN
 454.9728 S:20 F:5 D:1 3) PDB-D5.3-3100.00% 47 0.0 1.00% ET



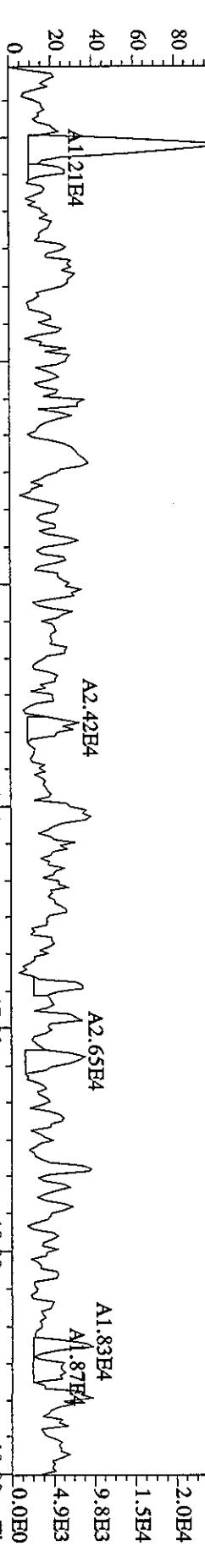
File:2SMY06A9D5 #1-439 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN
 303.9016 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7208.0,1.00%,F,T)



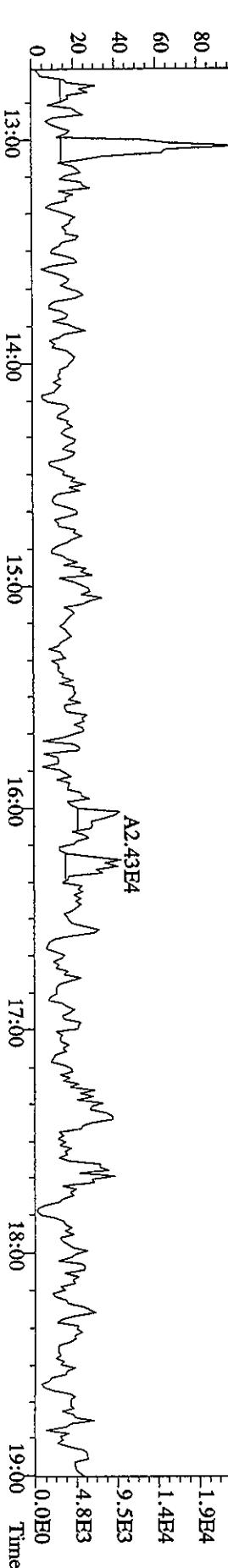
305.8987 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3456.0,1.00%,F,T)
 A1.34E4



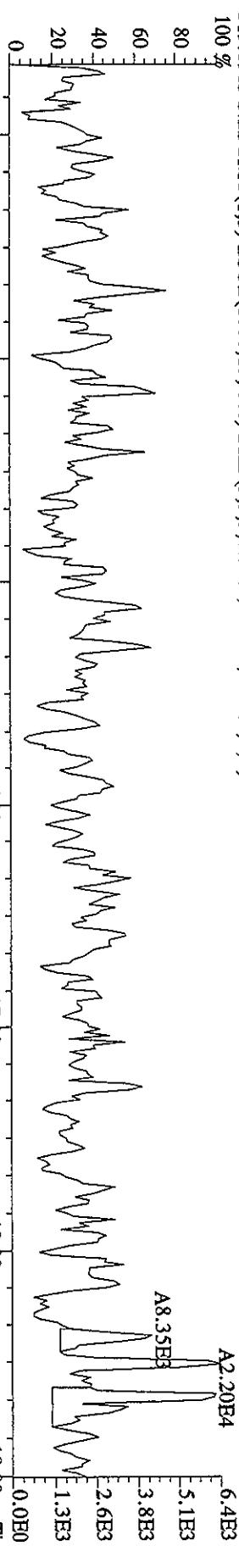
315.9419 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5792.0,1.00%,F,T)
 A8.79E4



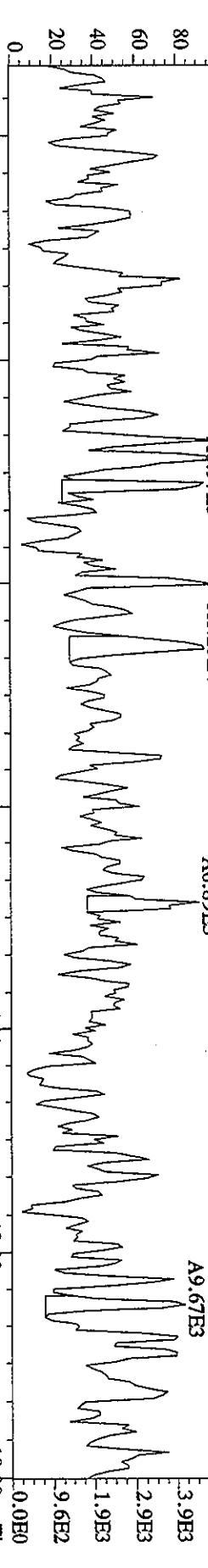
317.9389 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4988.0,1.00%,F,T)
 A6.21E4



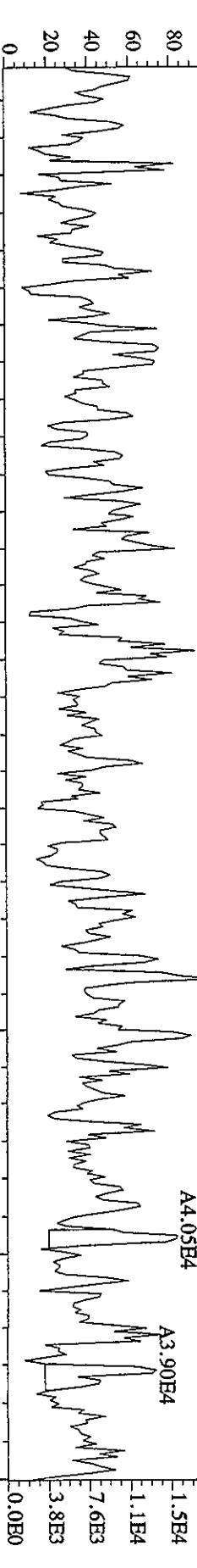
File:25MY06A9D5 #1 439 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp: DIOXIN
 319.8965 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



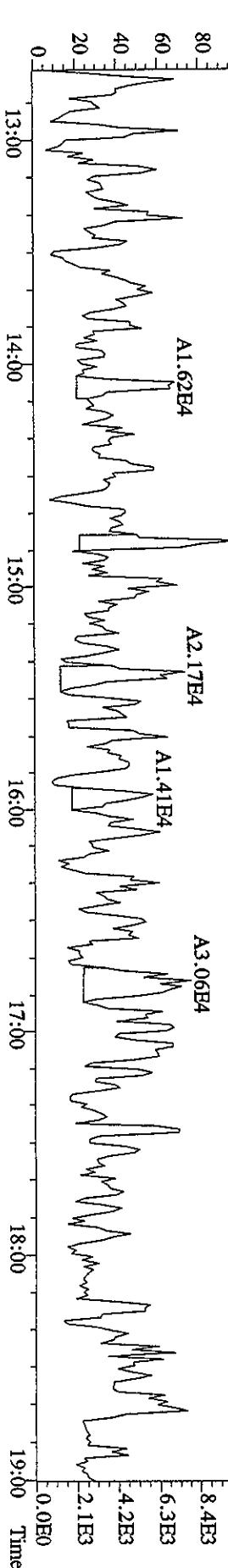
321.8936 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



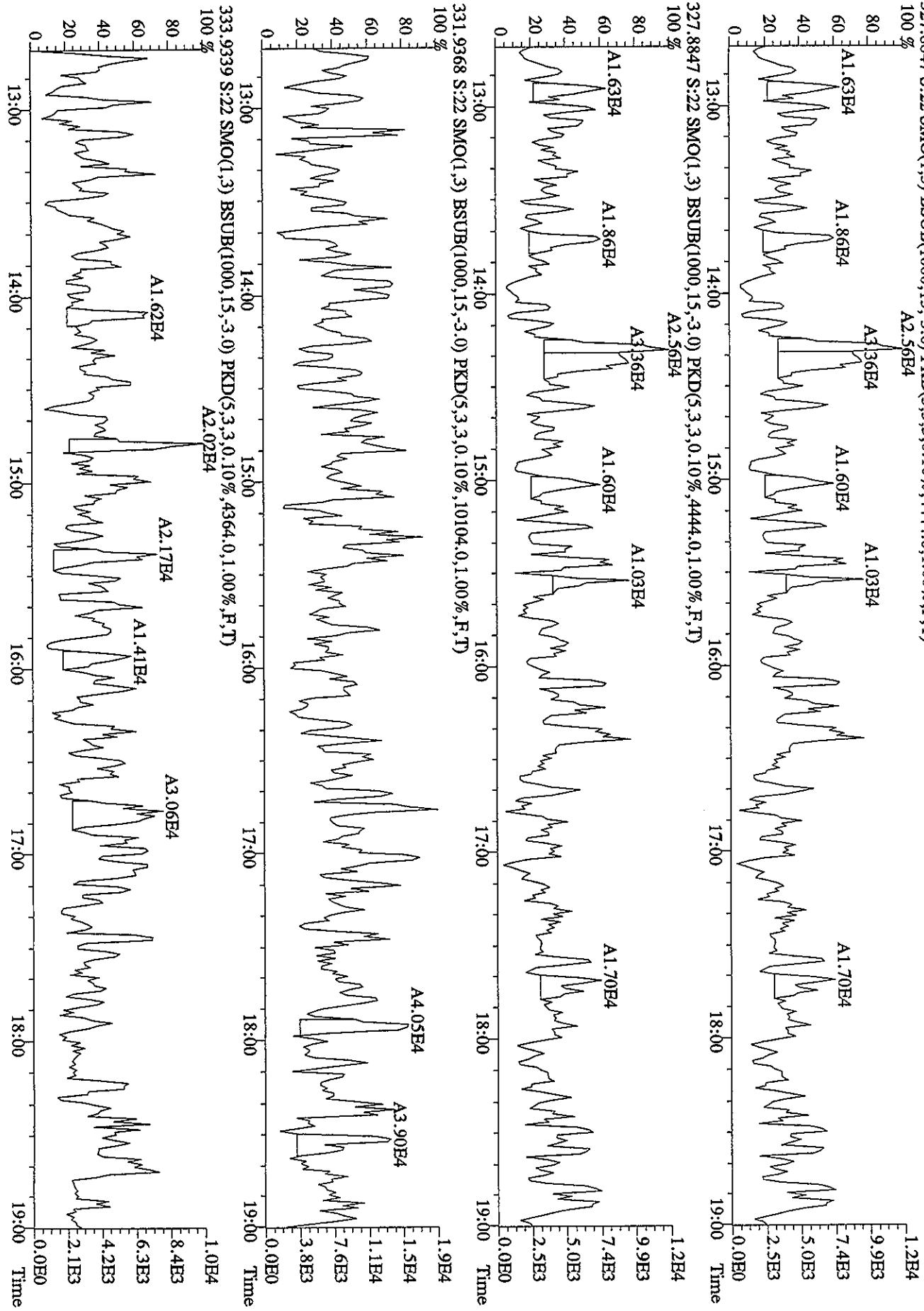
331.9368 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10104.0,1.00%,F,T)



333.9339 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4364.0,1.00%,F,T)



File:25MY06A9D5 #1-439 Acq:26-MAY-2006 11:50:45 GC E+ 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:2SMY06A9D5 #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

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 %
A7.12E3

4.1E3
3.3E3
2.4E3
1.6E3
8.2E2
0.0E0

Time

A4.78E3

A7.79E3

A1.37E4

A1.52E4

A1.03E4

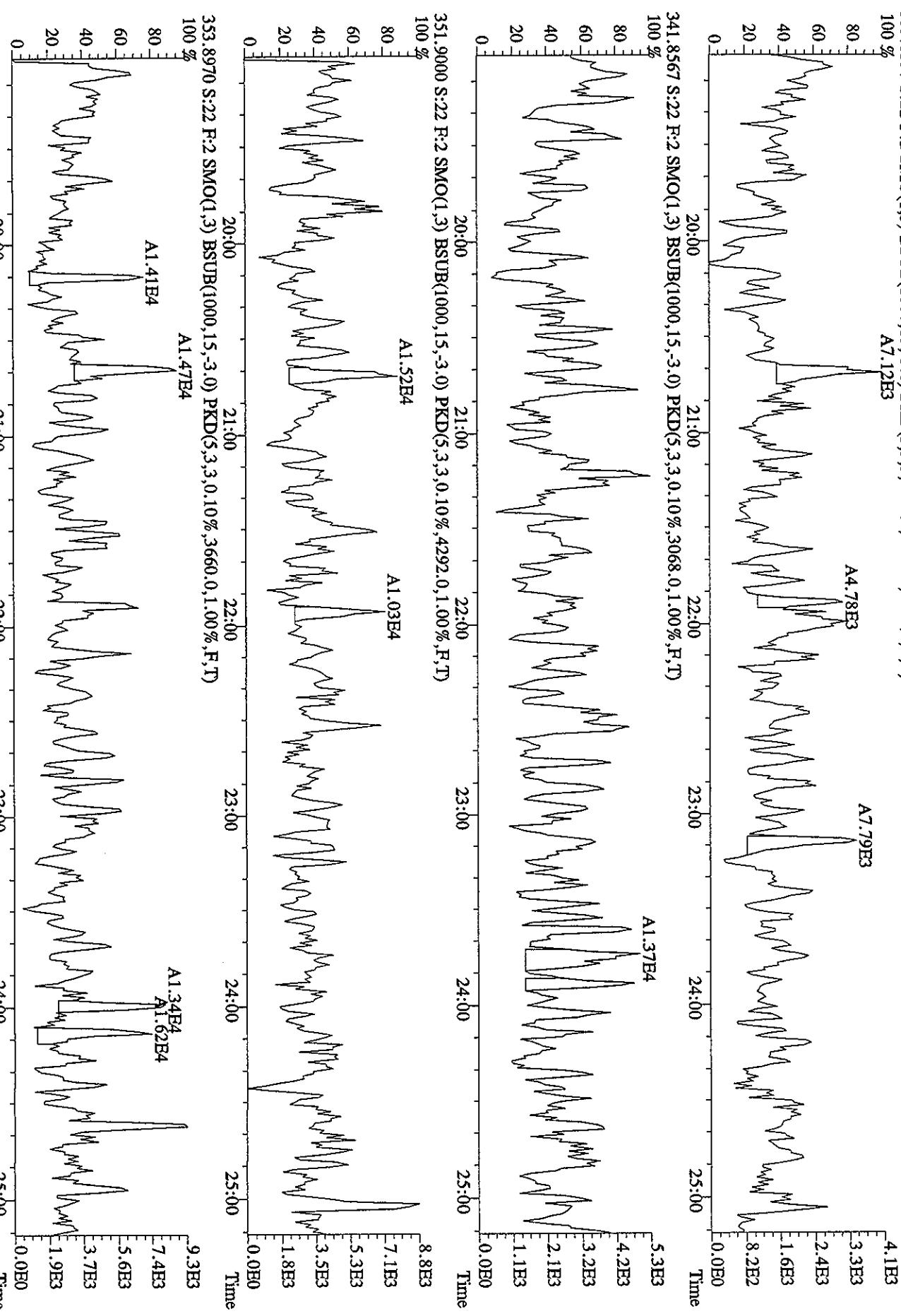
A1.34E4

A1.41E4

A1.47E4

9.3E3
7.4E3
5.6E3
3.7E3
1.9E3
0.0E0

Time



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

339.8597 S:22 SMO(1,3) BSUB(1000, 15,-3.0) PKD(5,3,3,0.10%,2684.0,1.00%,F,T)

100 %

13:19

90

14:22

80

12:52

70

13:10

60

13:36

50

14:04

40

14:38

30

14:16

20

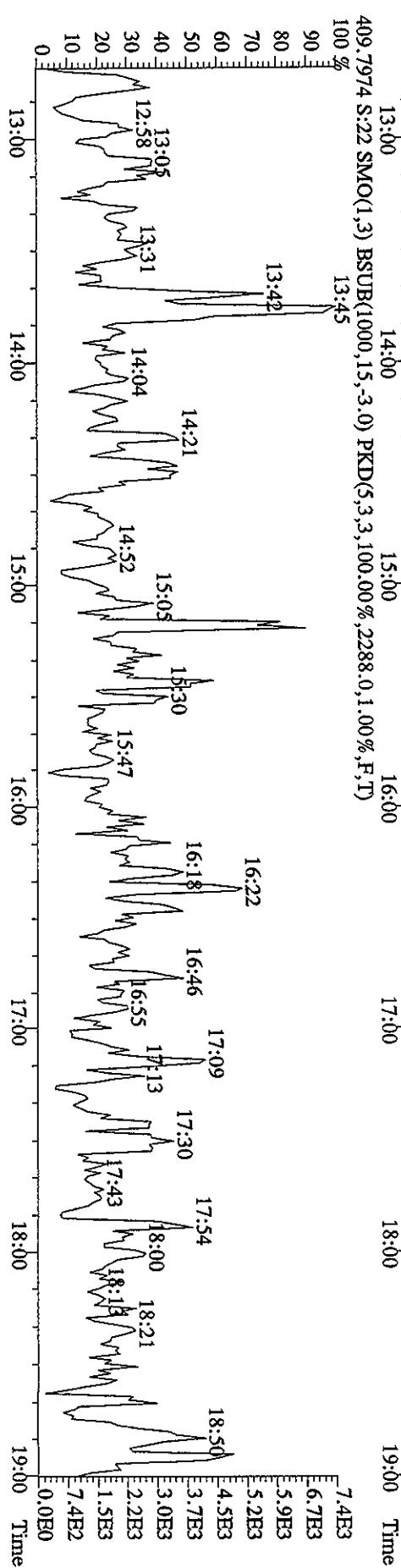
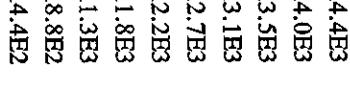
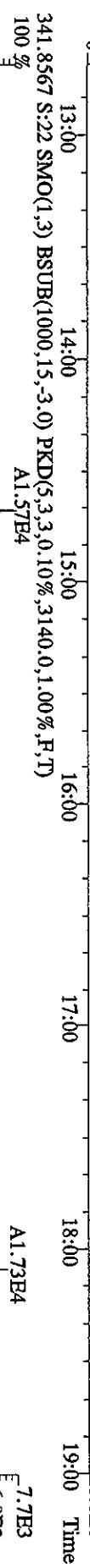
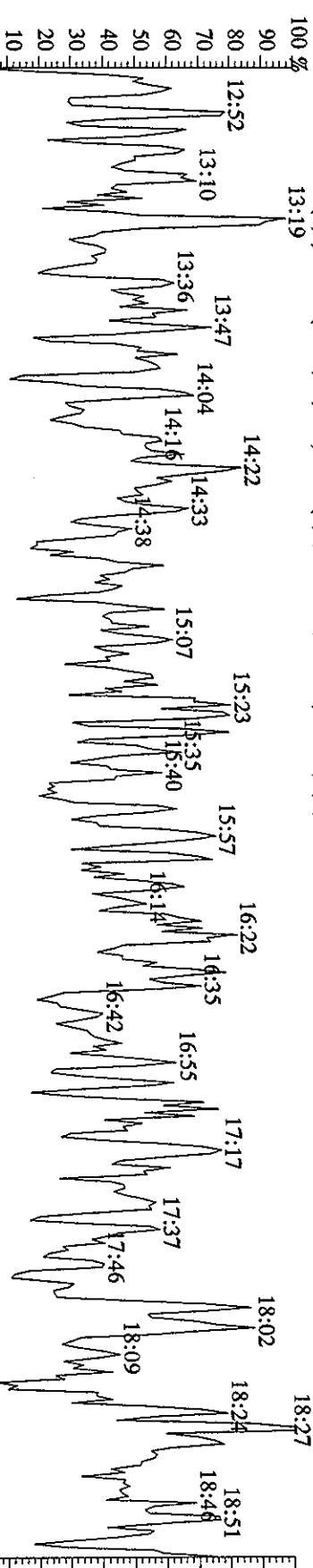
14:38

10

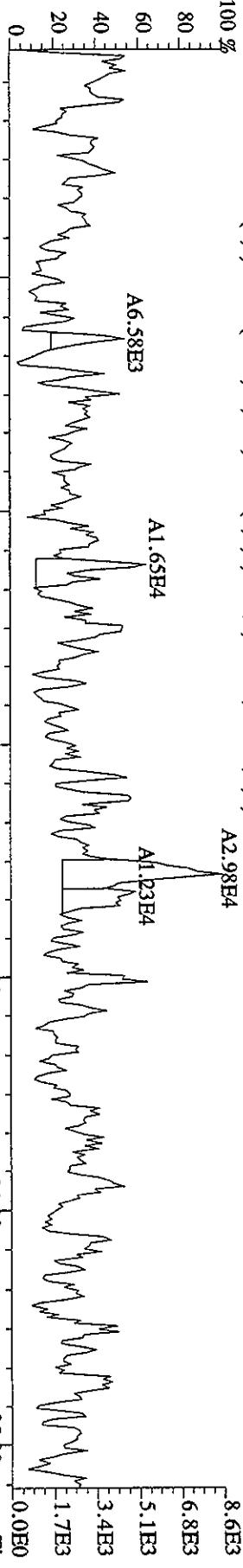
14:22

0

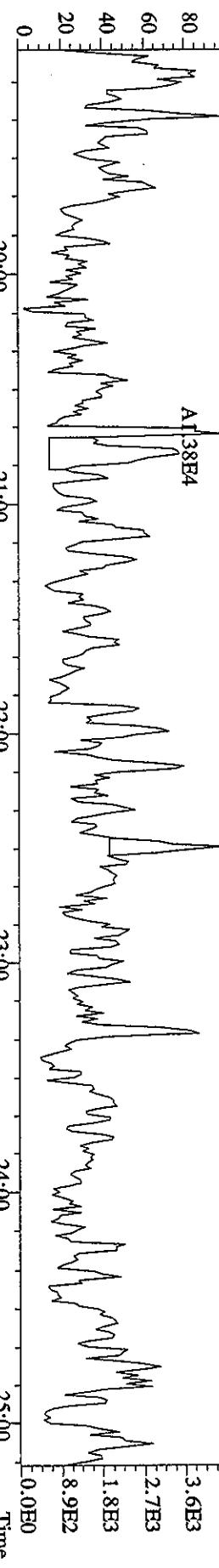
13:19



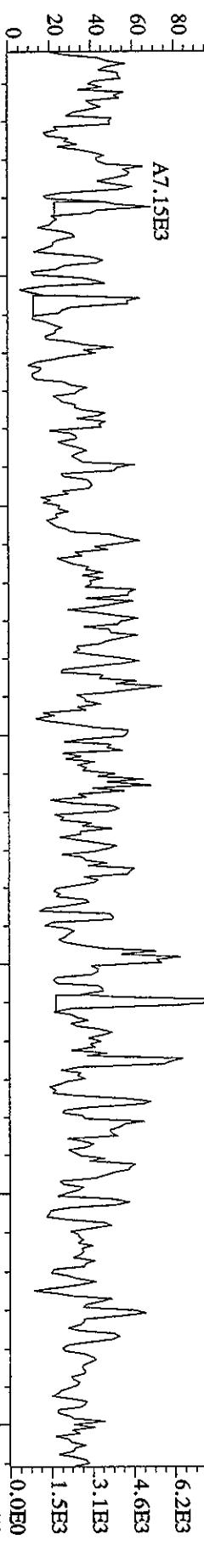
File:25MY06A9D5 #1491 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN
 355.8546 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3108.0,1.00%,F,T)
 100 %



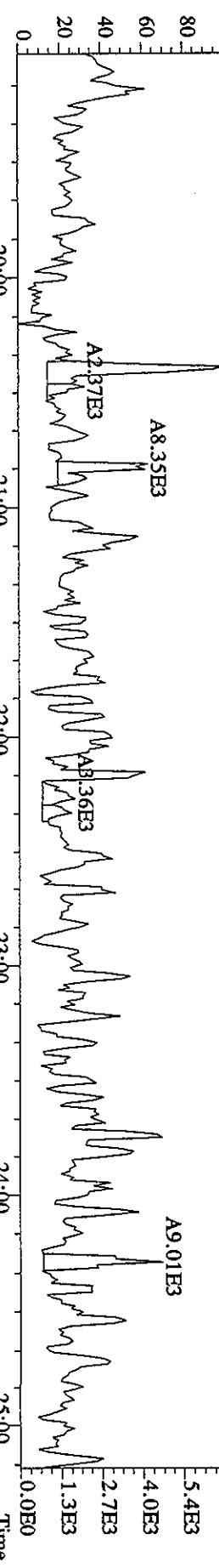
357.8516 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1932.0,1.00%,F,T)
 100 %



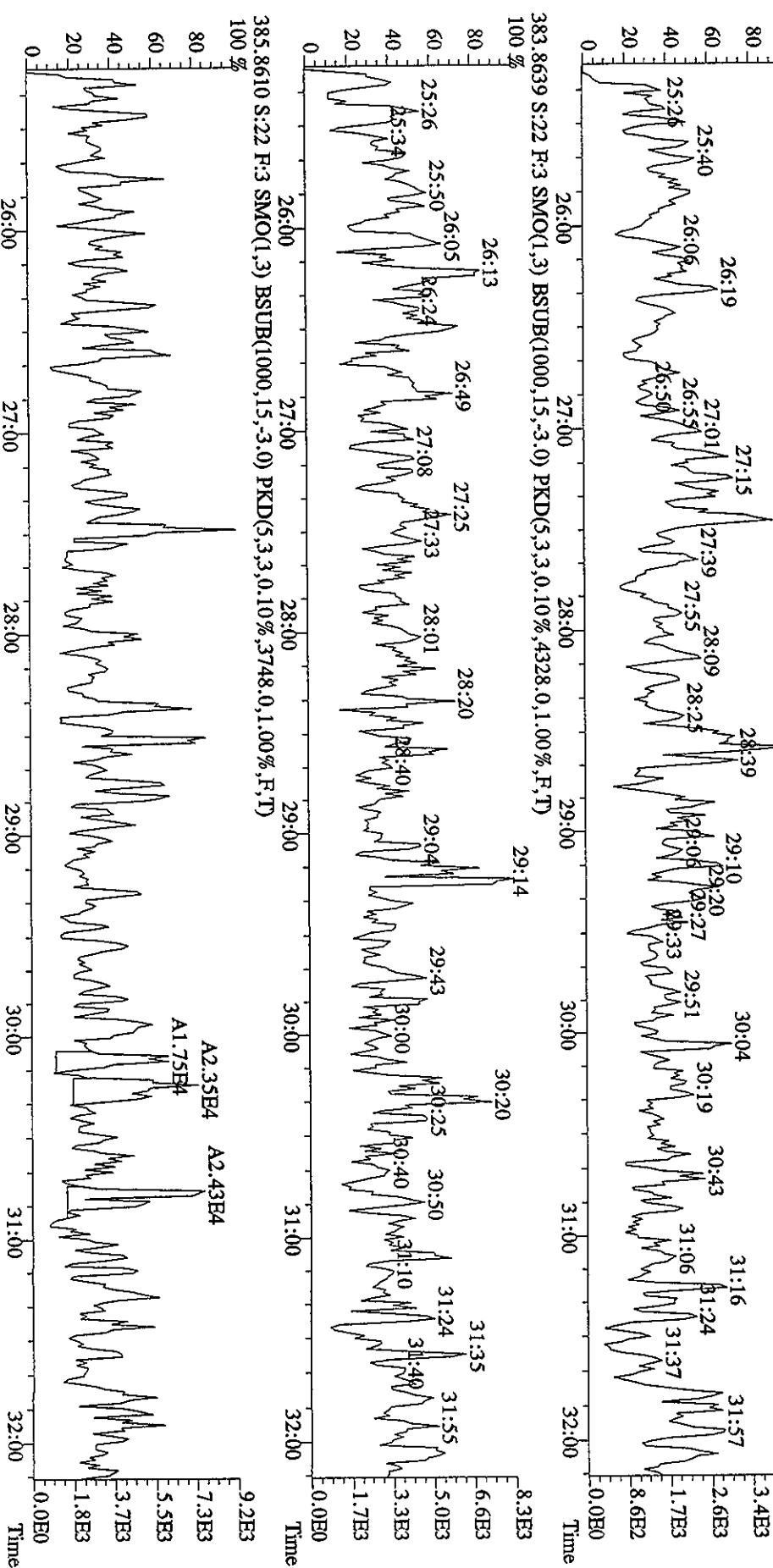
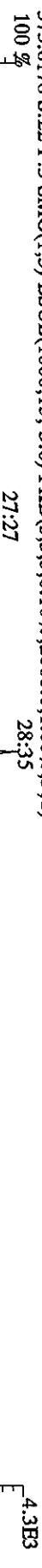
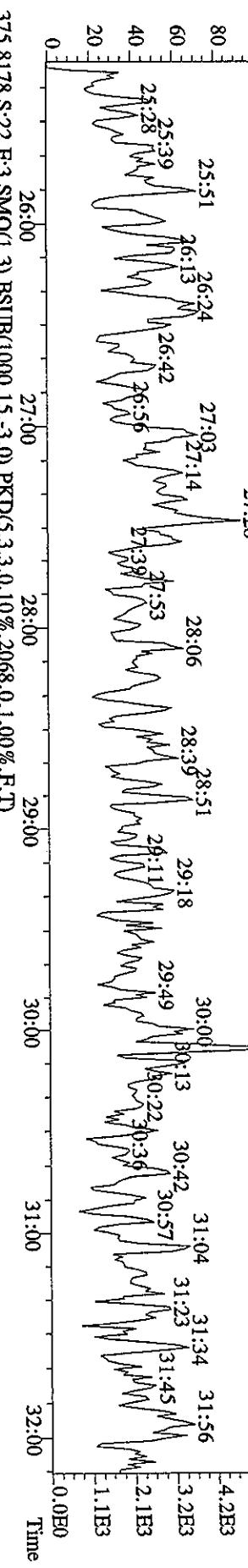
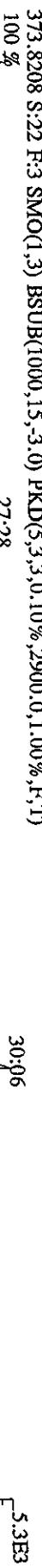
367.8949 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3640.0,1.00%,F,T)
 100 %



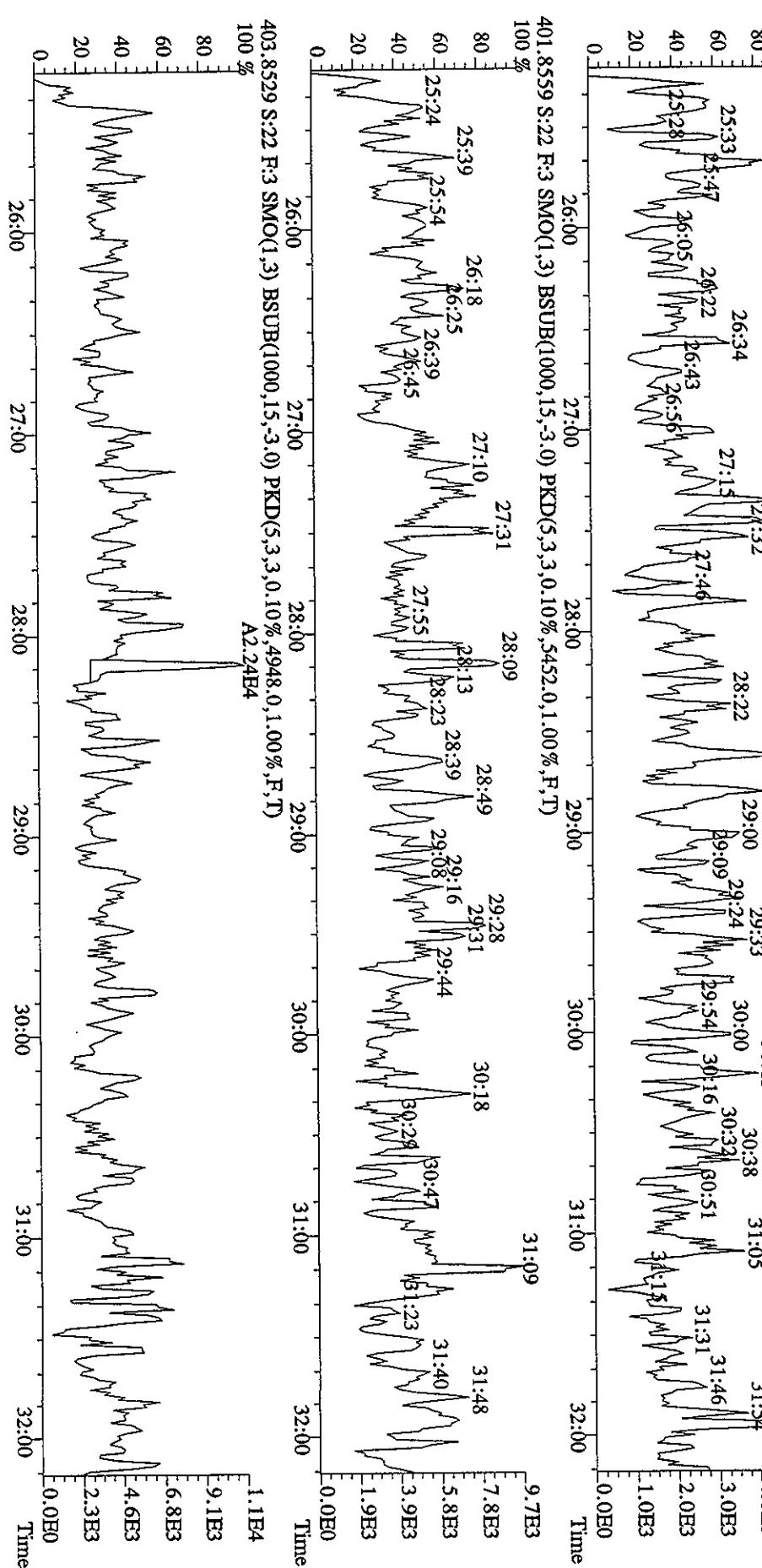
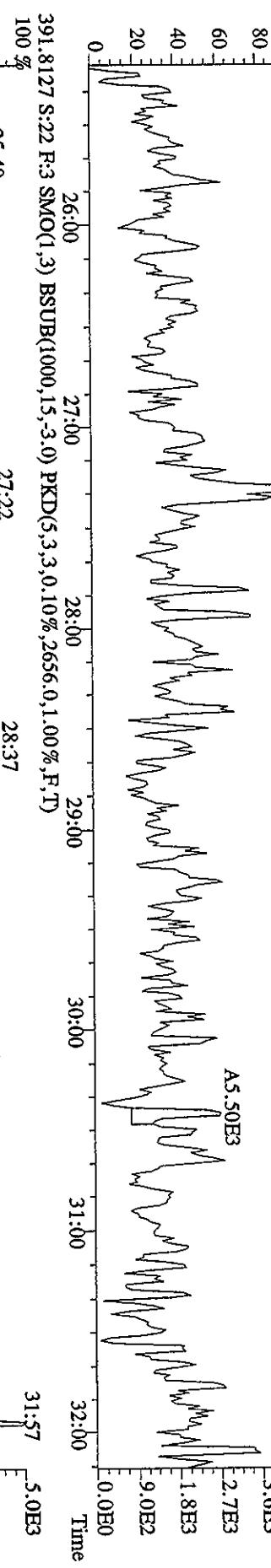
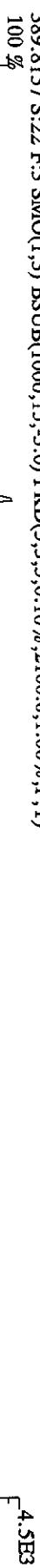
369.8919 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2056.0,1.00%,F,T)
 100 %



File:25MY06A9D5 #1-528 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Aukospec-UltimaE
 Sample:#22 Tex:SB0525C :Solvent Blank C-14 Exp:DIOXIN
 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)



File:25MY06A9D5 #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:2SMY06A9D5 #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
 407.7818 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3704.0,1.00%,R,T)
 100 %
 80
 60
 40
 20
 0

A3.50E4 3.2E4

A8.57E4 2.6E4

1.9E4 1.3E4

6.5E3 5.0E0

2.6E4 1.9E4

1.3E4 1.0E0

1.0E0 0.0E0

409.7789 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2308.0,1.00%,R,T)

A3.32E4

3.2E4 2.6E4

2.6E4 2.0E4

2.0E4 1.4E4

1.4E4 1.0E0

1.0E0 0.0E0

417.8253 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3740.0,1.00%,R,T)

100 %
 80
 60
 40
 20
 0

A1.94E4

2.0E4 1.4E4

1.4E4 1.0E0

1.0E0 0.0E0

419.8220 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,R,T)

100 %
 80
 60
 40
 20
 0

A1.42E4

A2.00E4

2.0E4 1.4E4

1.4E4 1.0E0

1.0E0 0.0E0

32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time

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

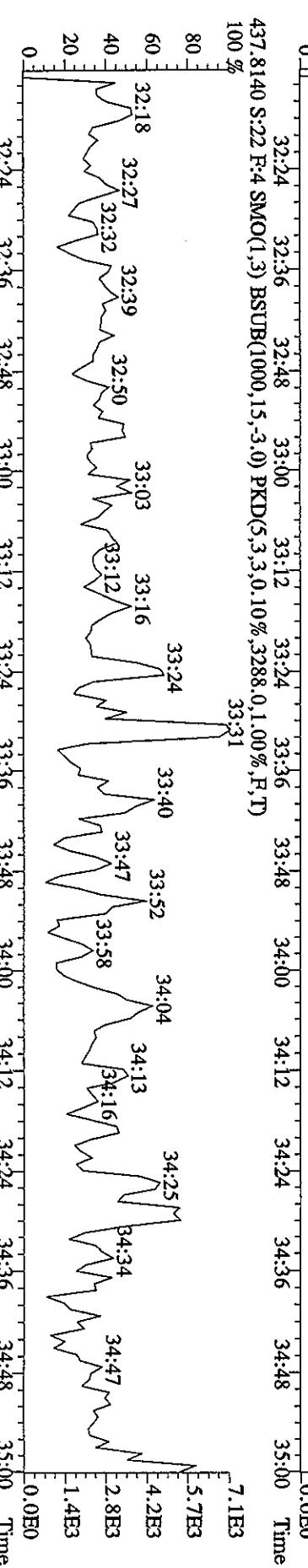
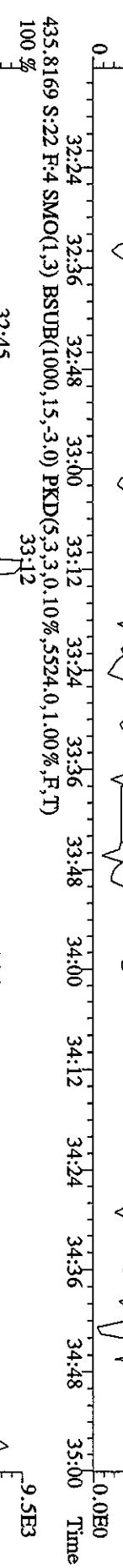
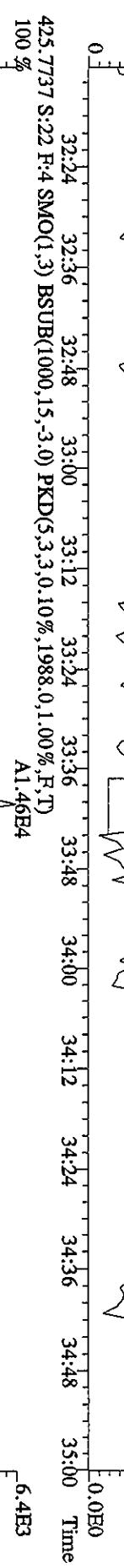
423.7766 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956,0,1.00%,F,T)

100 % A8.71E3 A1.67E4

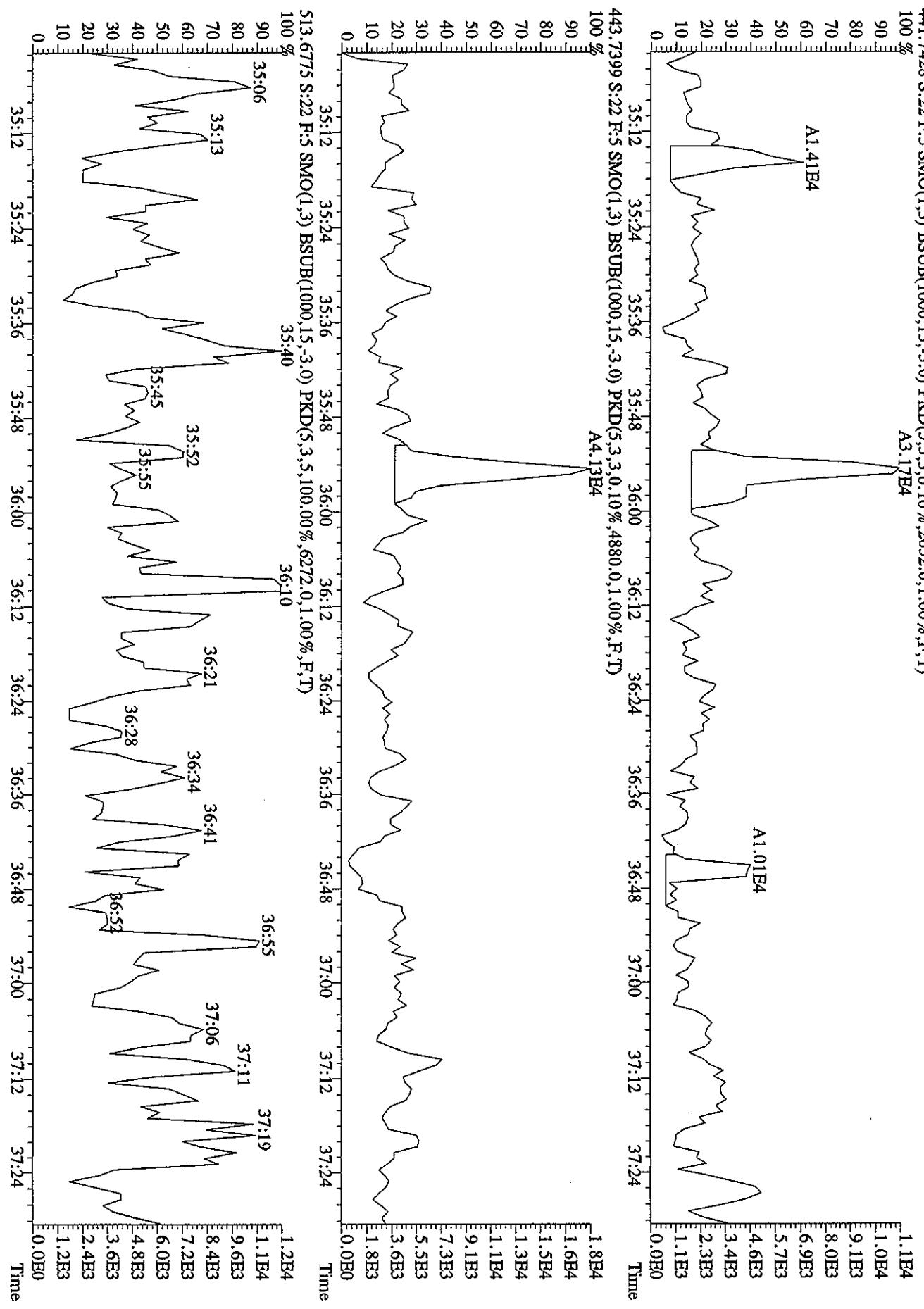
5.2E3
4.2E3
3.1E3
2.1E3
1.0E3

A6.86E3 A5.07E3

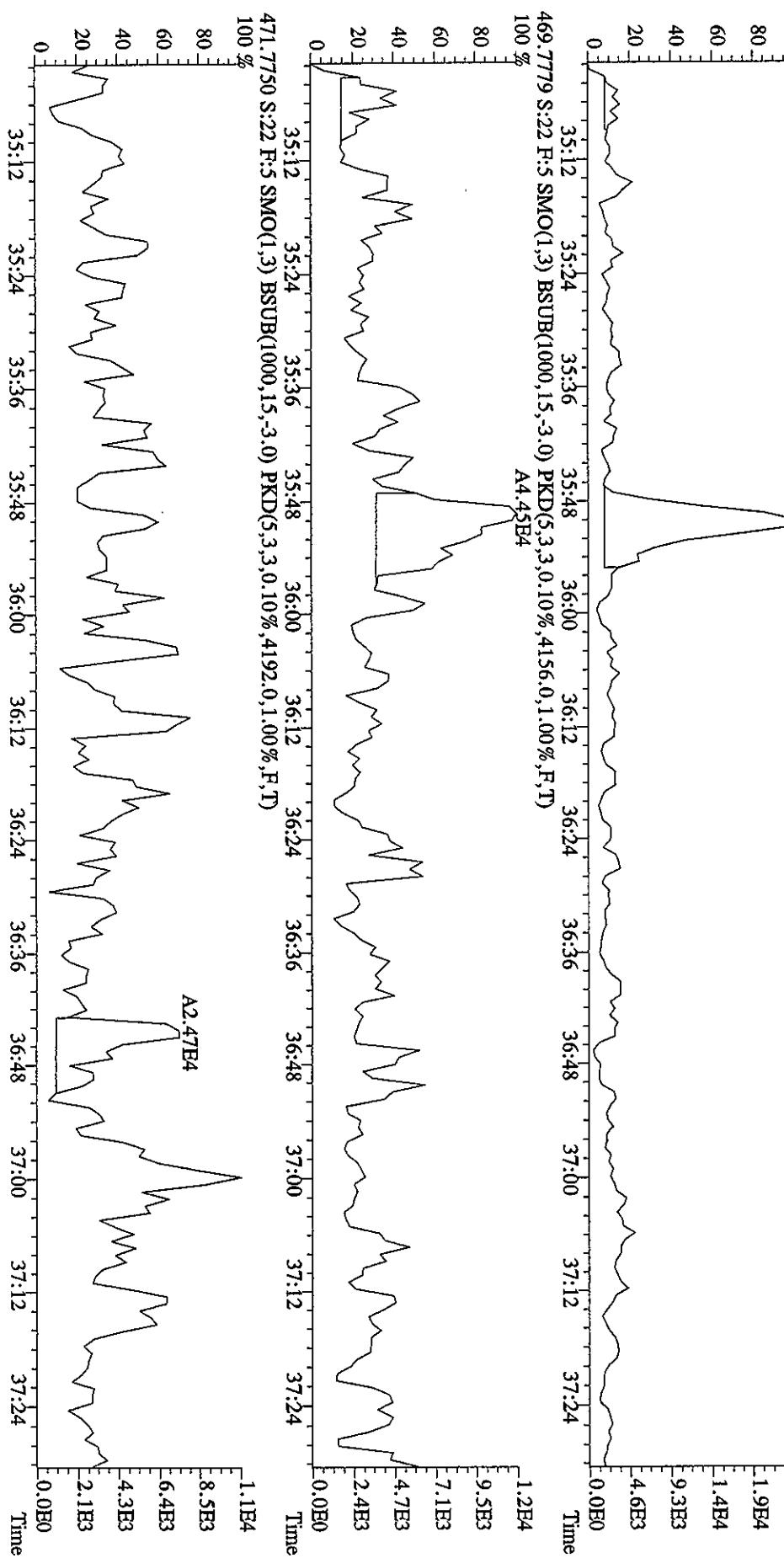
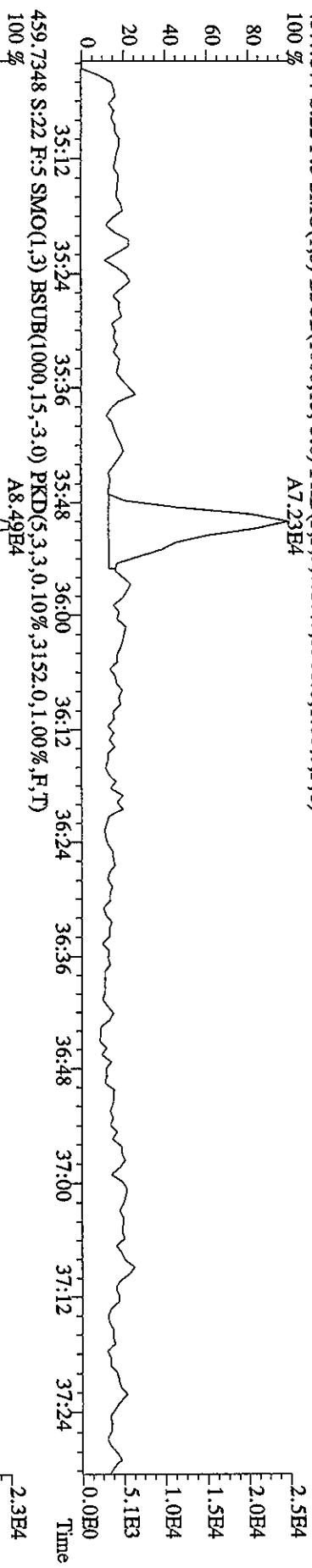
6.4E3
5.1E3
3.8E3
2.6E3
1.3E3



File:25MY06A9D5 #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%,R,T)
100 % A3.17E4



File:2.5MY06A9D5 #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(5,3,0.10%,5368.0,1.00%,F,T)
 100 % A7.23E4
 2.5E4
 2.0E4
 1.5E4
 1.0E4
 5.1E3
 0.0E0



File:25MY06A0D5 #1-439 Acq:26-MAY-2006 11:50:45 GC EI+ Voltage SIR Autospec-UltimaB

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

292.9825 S:22 SMO(1,3) PKD(5,3,5,100.00%,0,0,1.00%,F,T)

100 % 12.59 13:33 14:04 14:29 14:50

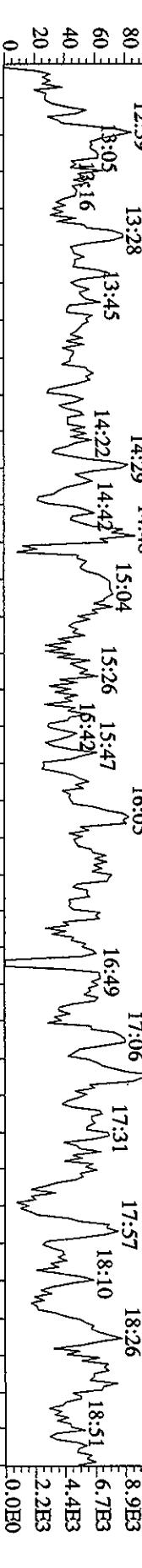
80 60 40 20 0



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

100 % 12.59 13:28 14:29 14:48

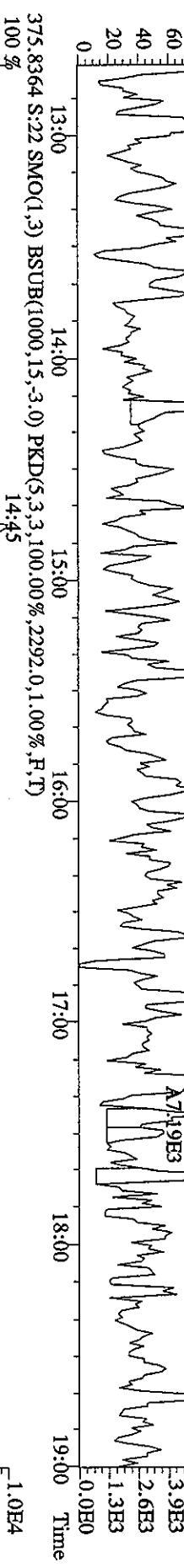
80 60 40 20 0



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

100 % A1.34E4

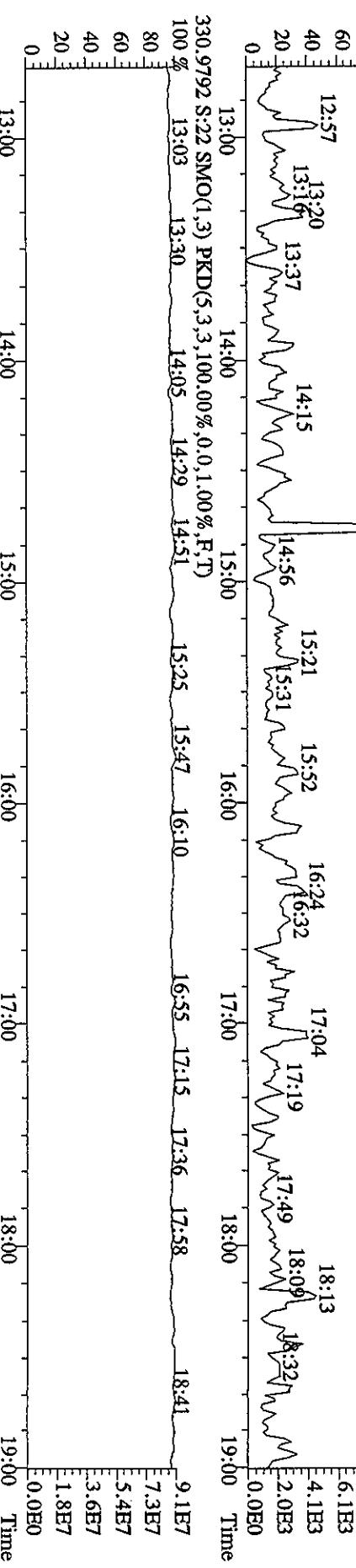
80 60 40 20 0



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

100 % 14:45

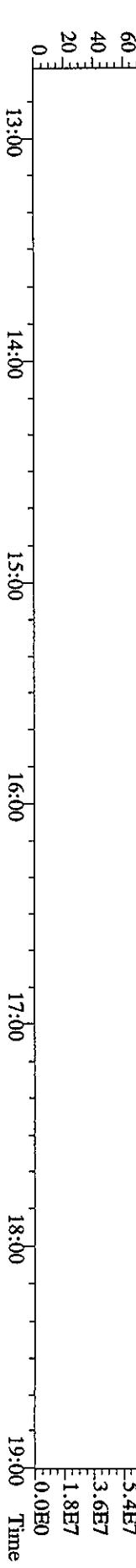
80 60 40 20 0



330.9792 S:22 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 13:03 13:30 14:05 14:29 14:51

80 60 40 20 0



File:25MY06A9D5 #1-491 Acq:26-MAY-2006 11:50:45 GC Bl+ Voltage SIR Autospec-UltimaE
Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN

343 9783 S:23 E:2 SMDG 3) BKD(S 3 3 100 00% 0 0 1 100% E

342.9132 S.42 F.2 SIMON

100% [9:13] 19:31 19:51 20:21 20:53

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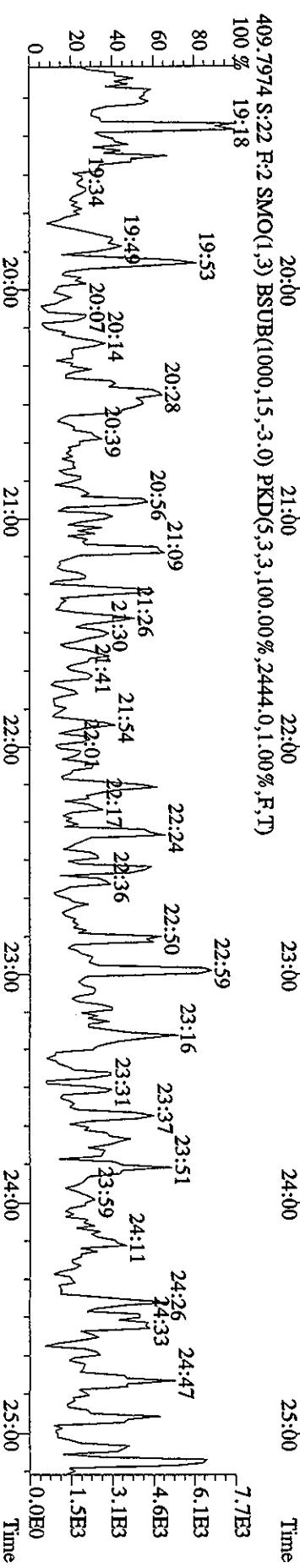
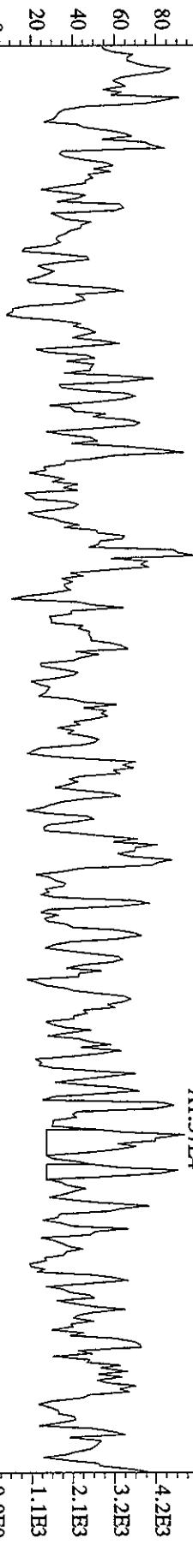
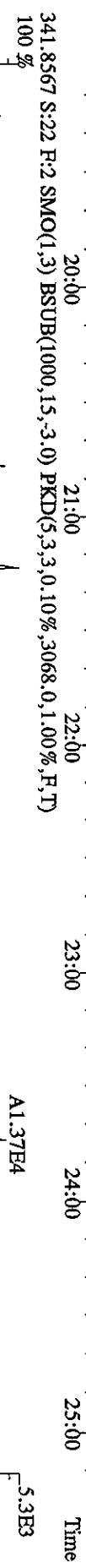
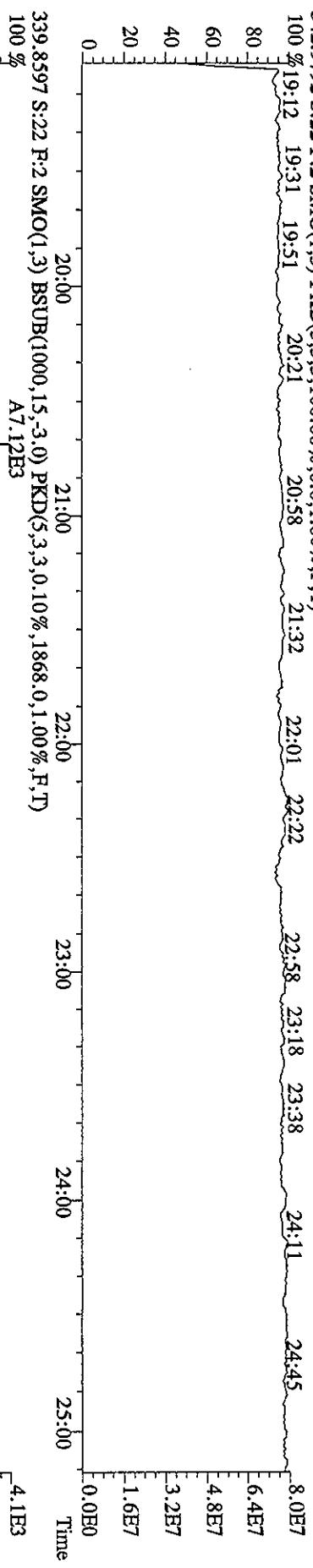
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Sample#22 Text:SB0525C :Solvent Blank C-14 Exp:DIOXIN

392.9760 S:22 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 25:27 25:58 27:00 27:37

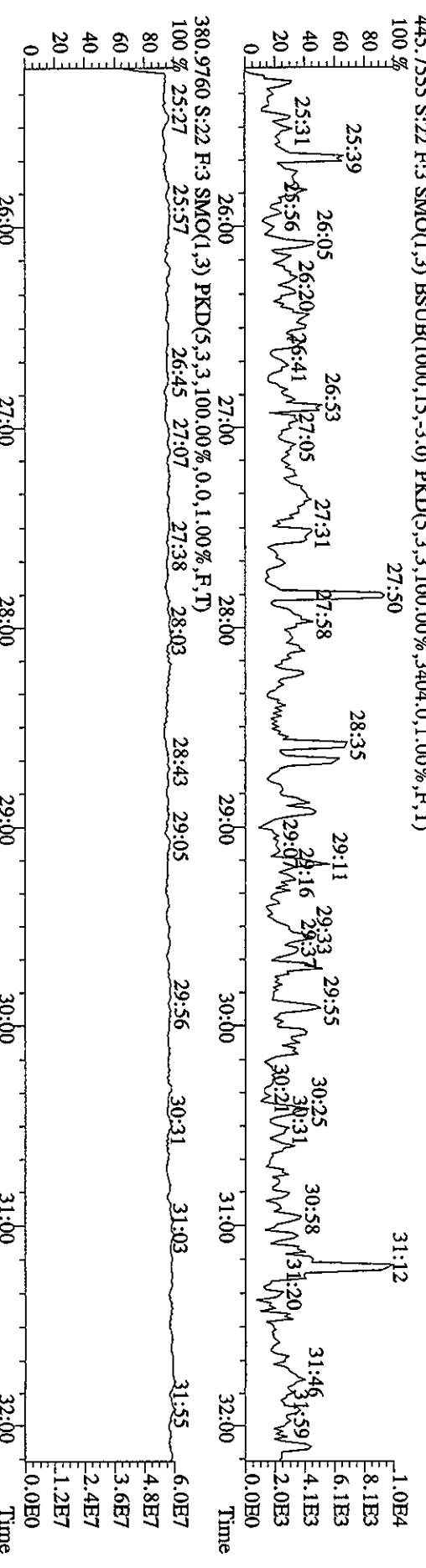
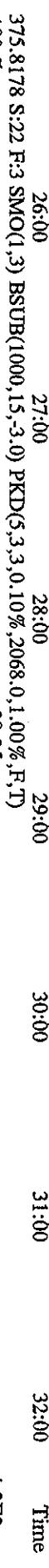
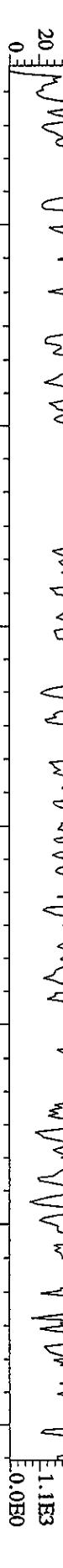
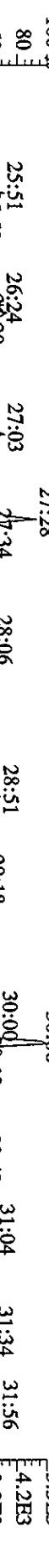
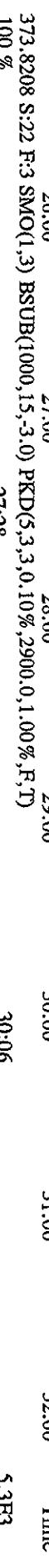
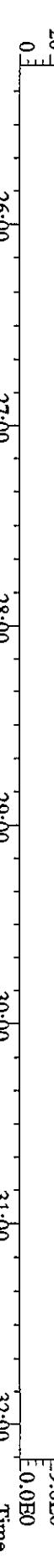
80

60

40

20

0



File:2SMY06A9D5 #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)

100 % 32:20 32:37 32:49 33:04 33:15 33:31 33:48 34:06 34:19 34:29 34:43 34:54

4.1E7

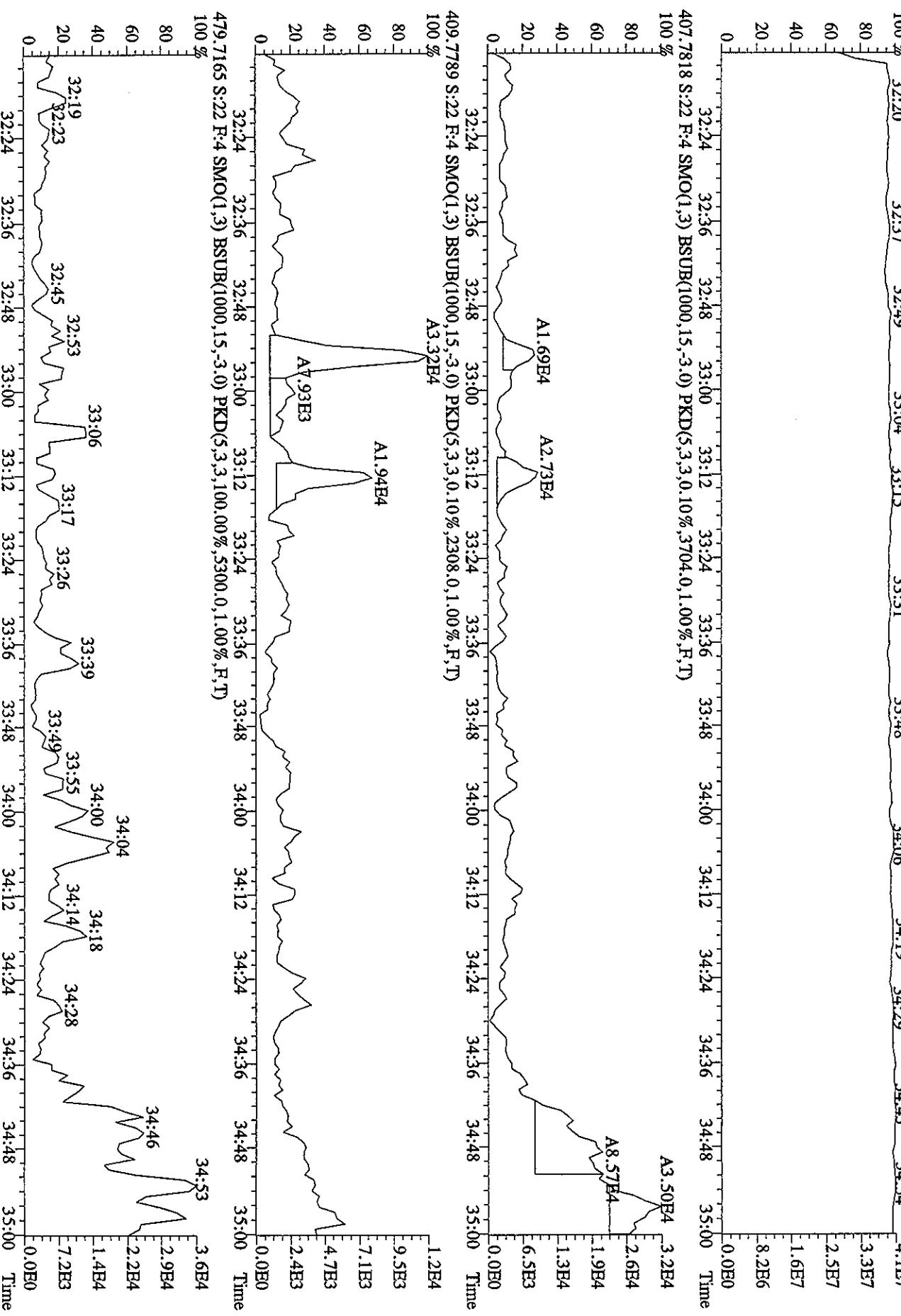
3.3E7

2.5E7

1.6E7

8.2E6

0.0E0



File:25MY06A9D5 #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

454.9728 S:22 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:25 35:34 35:45 36:03 36:03 36:21 36:31 36:40 36:52 37:04 37:13 37:24

90 80 70 60 50 40 30 20 10 0

3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

Time 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

442.9728 S:22 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 35:14 35:26 35:37 36:12 36:22 36:40 36:57 37:05 37:26

90 80 70 60 50 40 30 20 10 0

3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

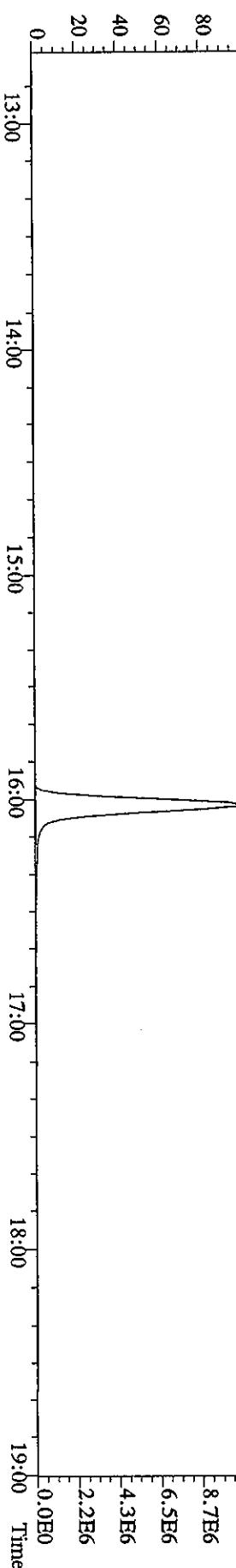
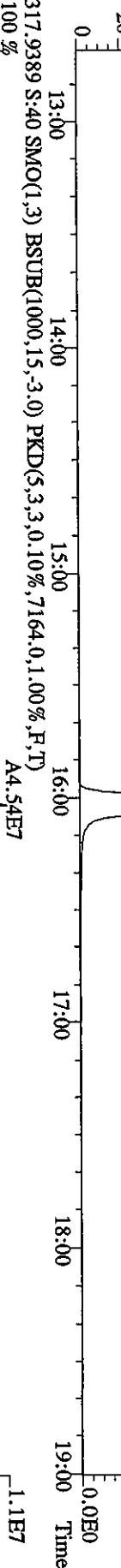
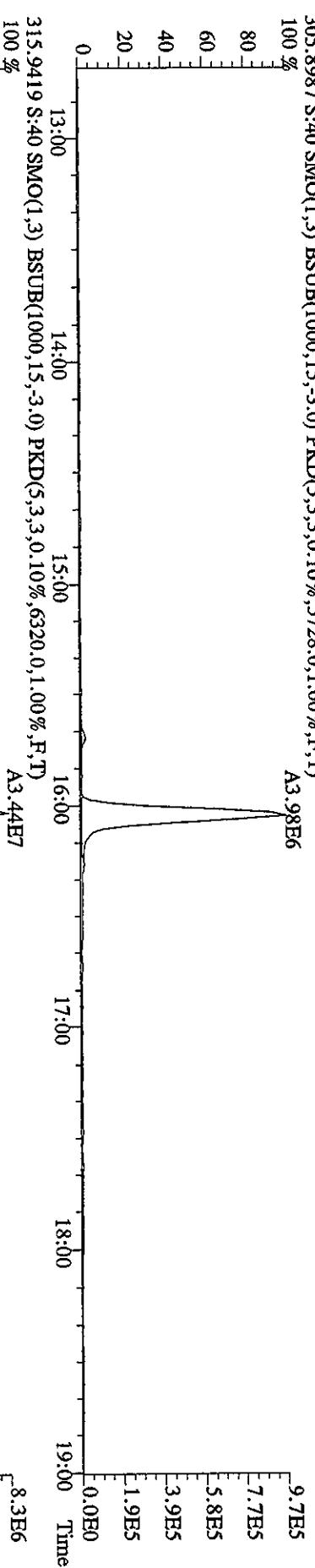
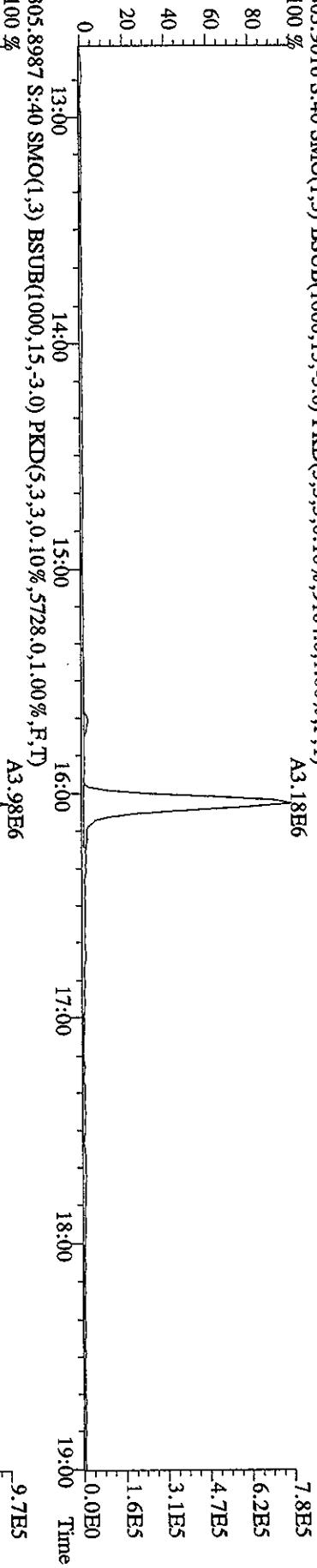
35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

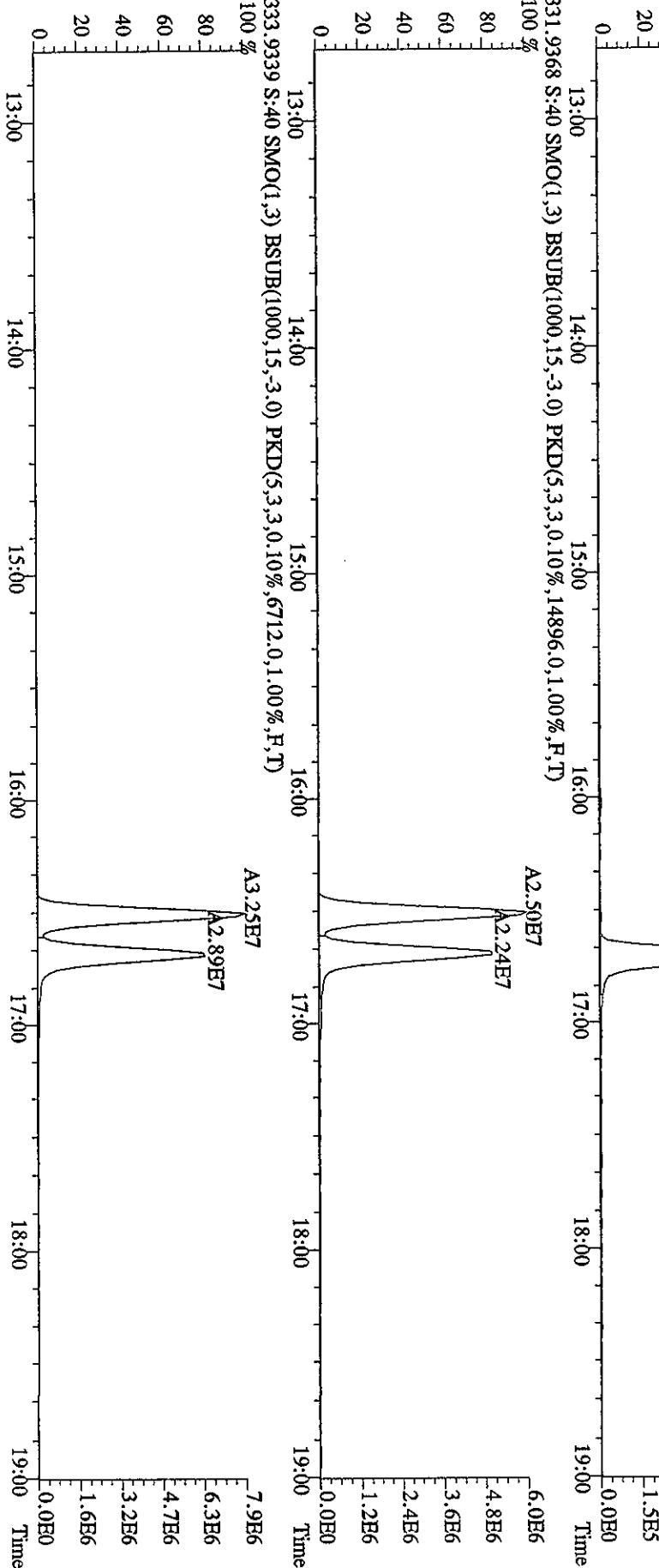
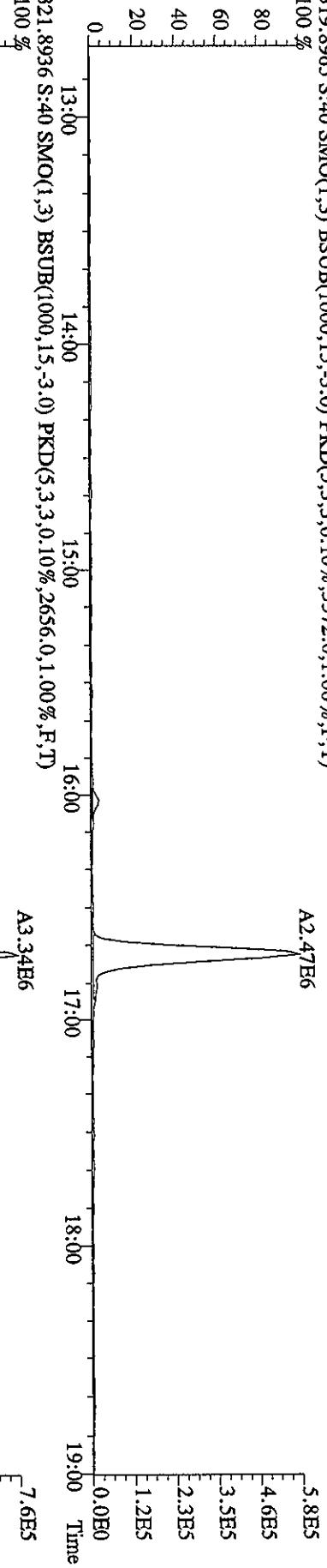
35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24

4.1E7 3.7E7 3.3E7 2.9E7 2.5E7 2.0E7 1.6E7 1.2E7 8.2E6 4.1E6 0.0E0

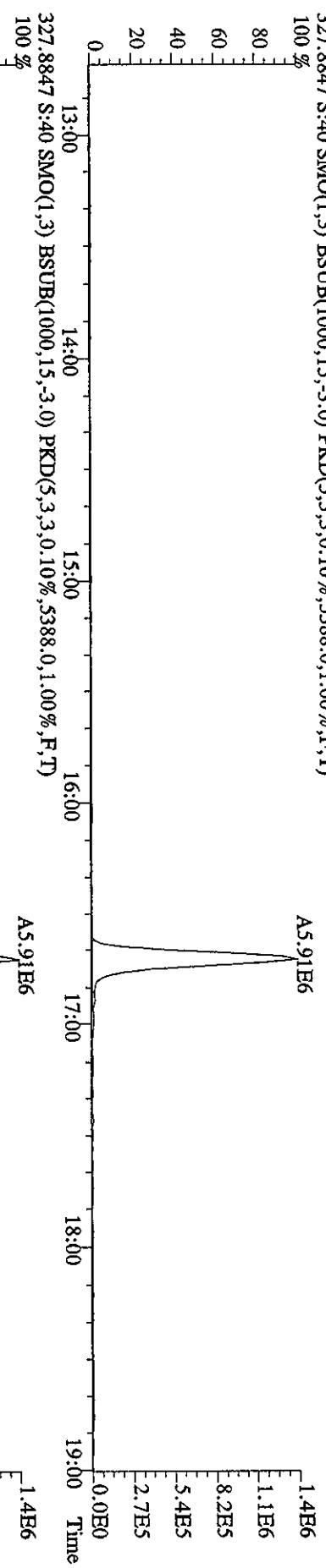
File:25MY06A9D5 #1439 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#40 Text:ST0525D :CS3 2565.41C Exp:DIOXIN
 303.9016 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9104.0,1.00%,F,T)
 A3.18E6



File:25MY06A9D5 #1-439 Acq:27-MAY-2006 00:19:46 GC El+ Voltage SIR Autospec-UltimaE
 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 %
 80
 60
 40
 20
 0



File:25MY06A9D5 #1-439 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:ST0525D :CS3 2555-41C Exp:DIOXIN
327.8847 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5388.0,1.00%,F,T)



A5.91E6

A2.50E7

A2.24E7

A1.4E6

1.4E6

1.1E6

8.2E5

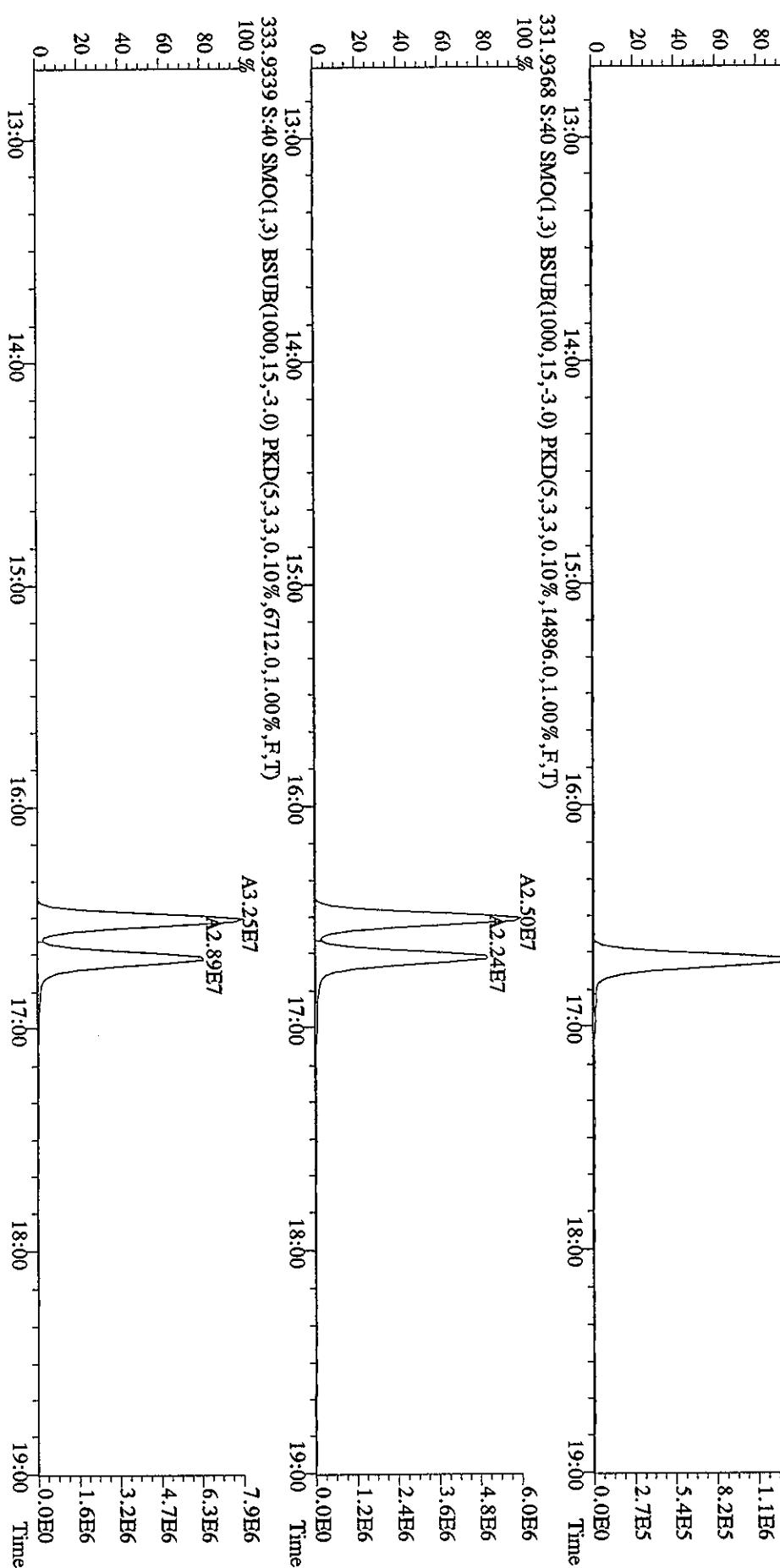
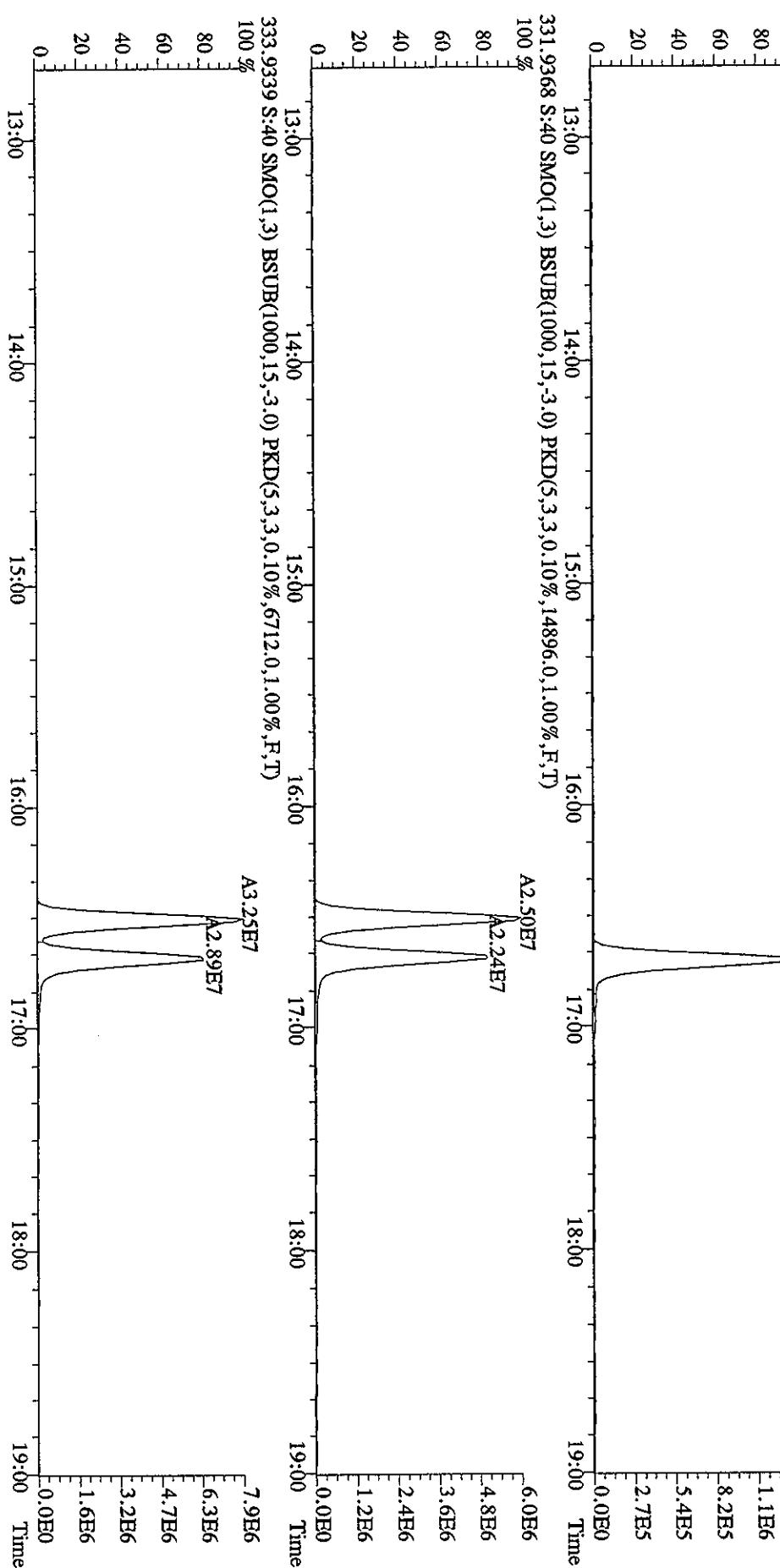
5.4E5

2.7E5

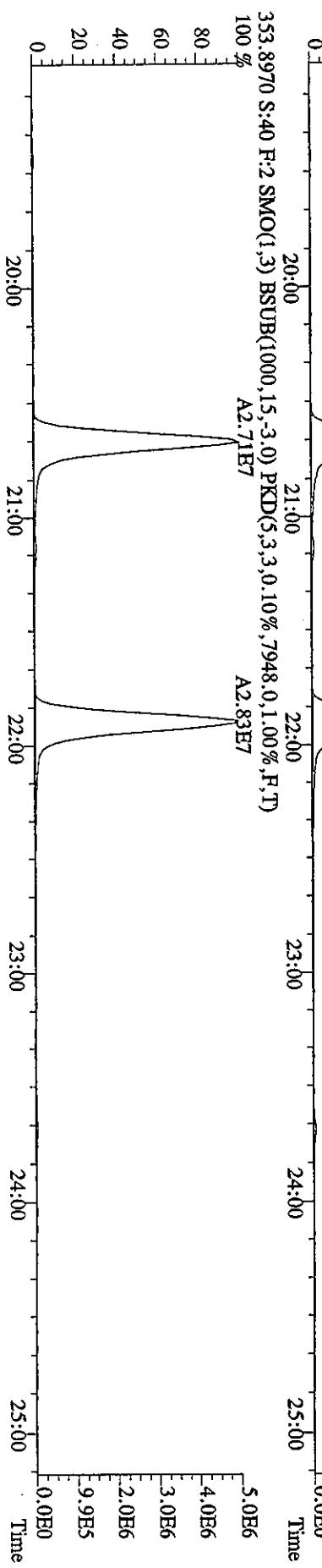
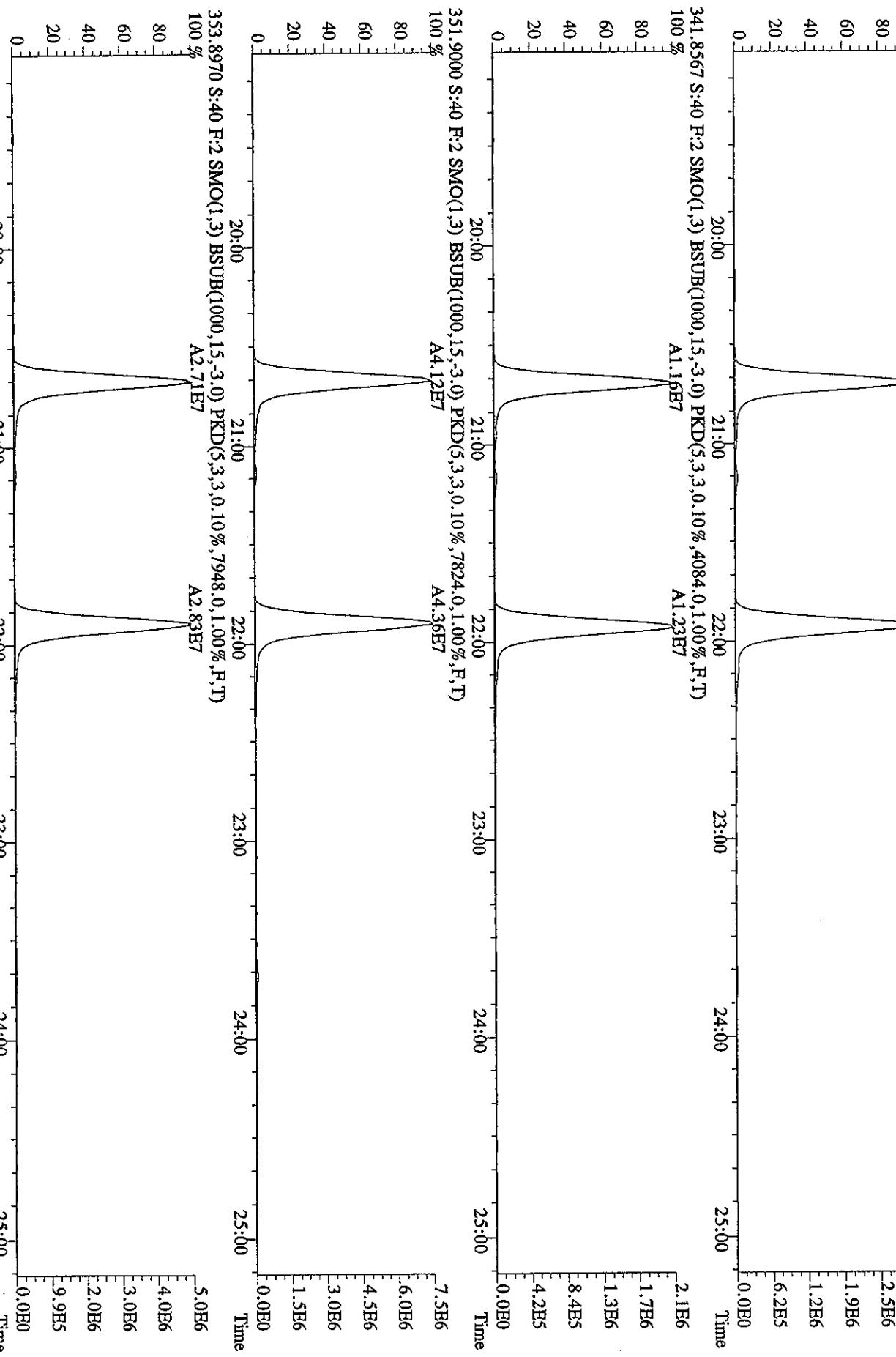
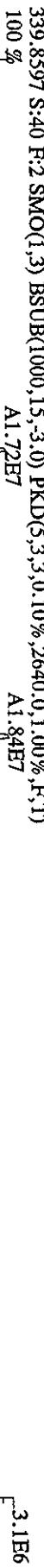
0.0E0

Time

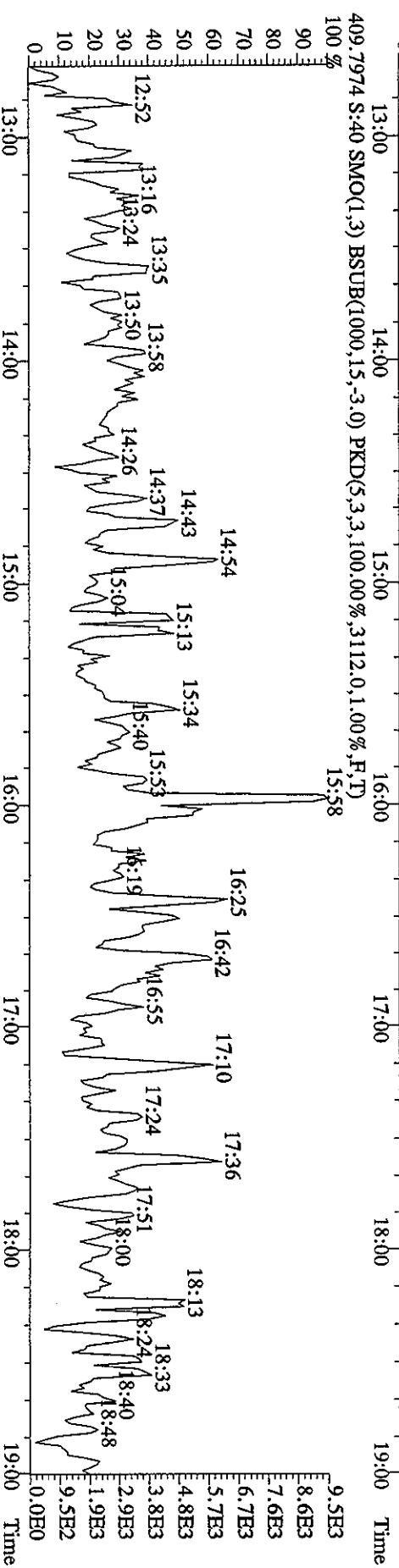
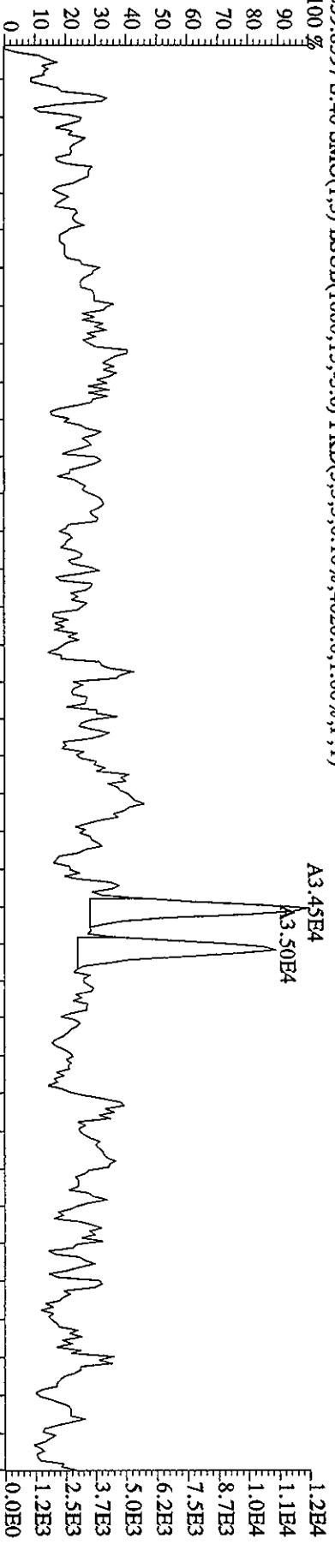
13:00 14:00 15:00 16:00 17:00 18:00 19:00



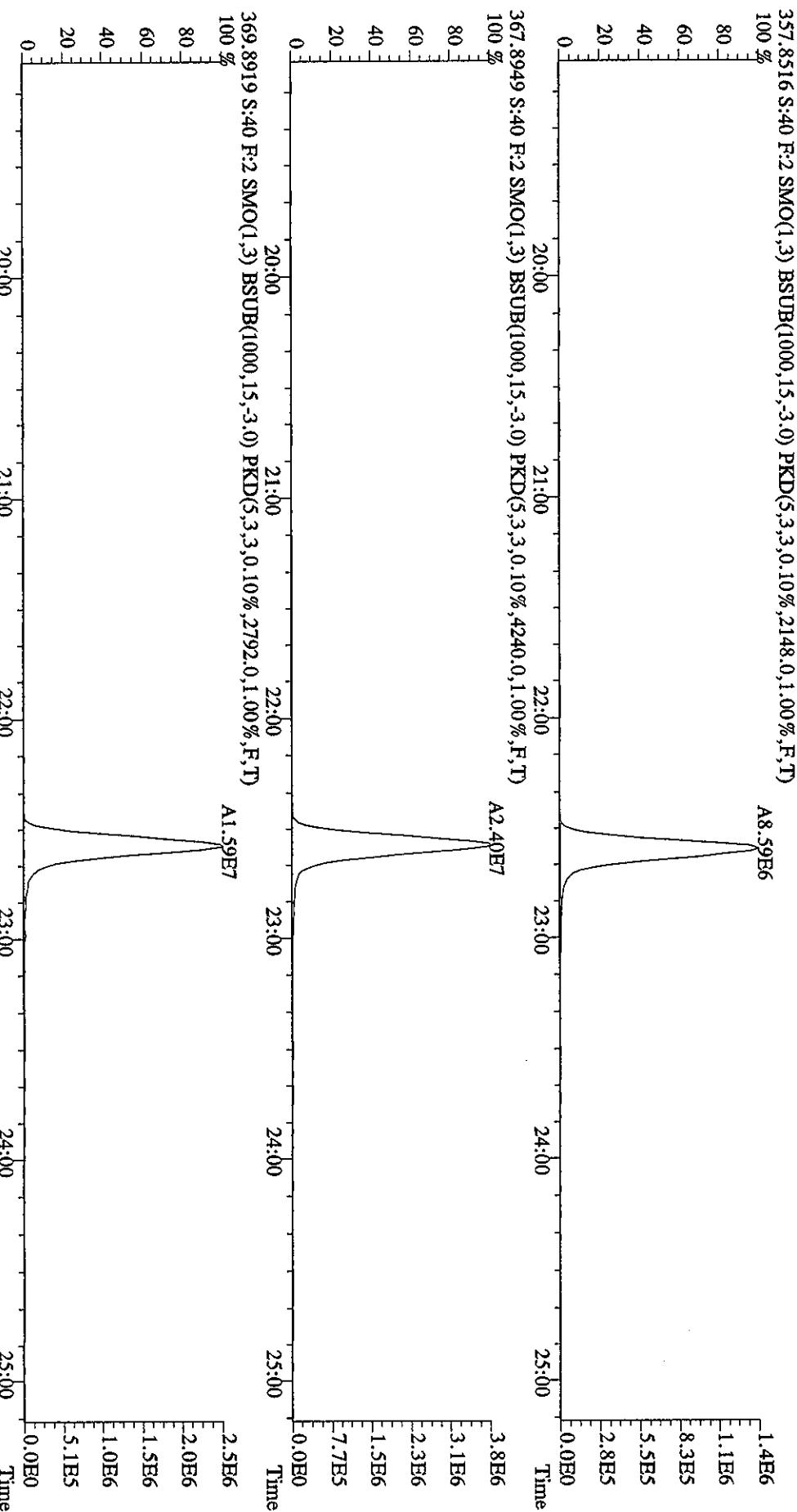
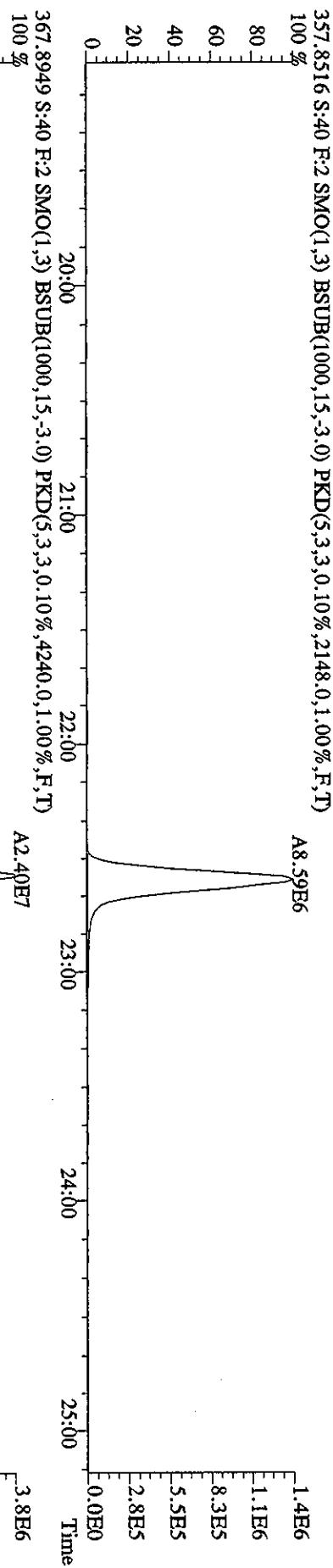
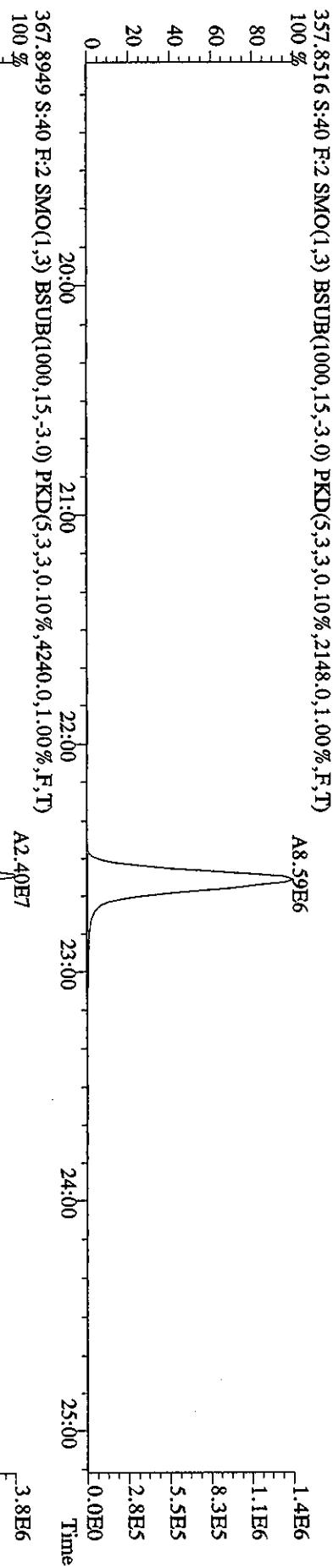
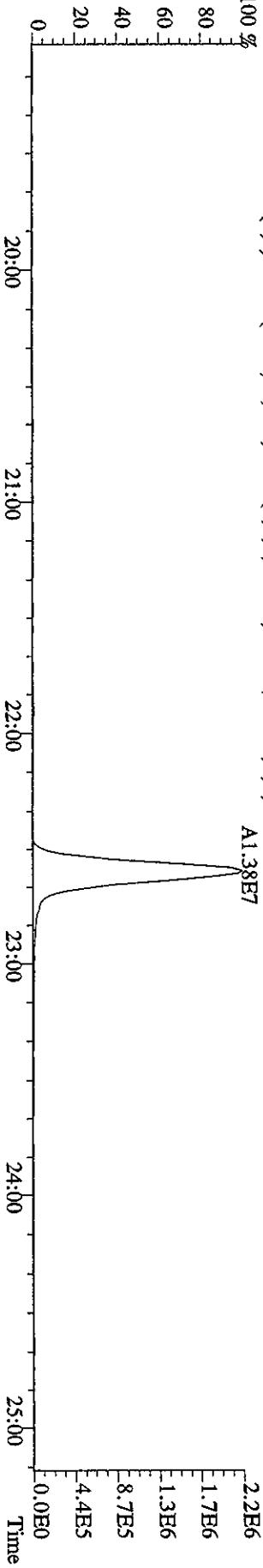
File:25MY06A9D5 #1-491 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN
339.8597 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2640,0,1.00%,R,T)
100 % A1.72E7 A1.84E7



File:25MY06A9D5 #1-439 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR AutoSpec-UltimaE
 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%,4580.0,1.00%,F,T)
 100 % A3.45E4
 90 A3.50E4
 80
 70
 60
 50
 40
 30
 20
 10
 0



File:25MY06A9D5 #1-491 Acq:27-MAY-2006 00:19:46 GC El+ Voltage SIR Autospec-UltimaE
 Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN
 355.8546 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3824.0,1.00%,F,T)
 100 % A1.38E7

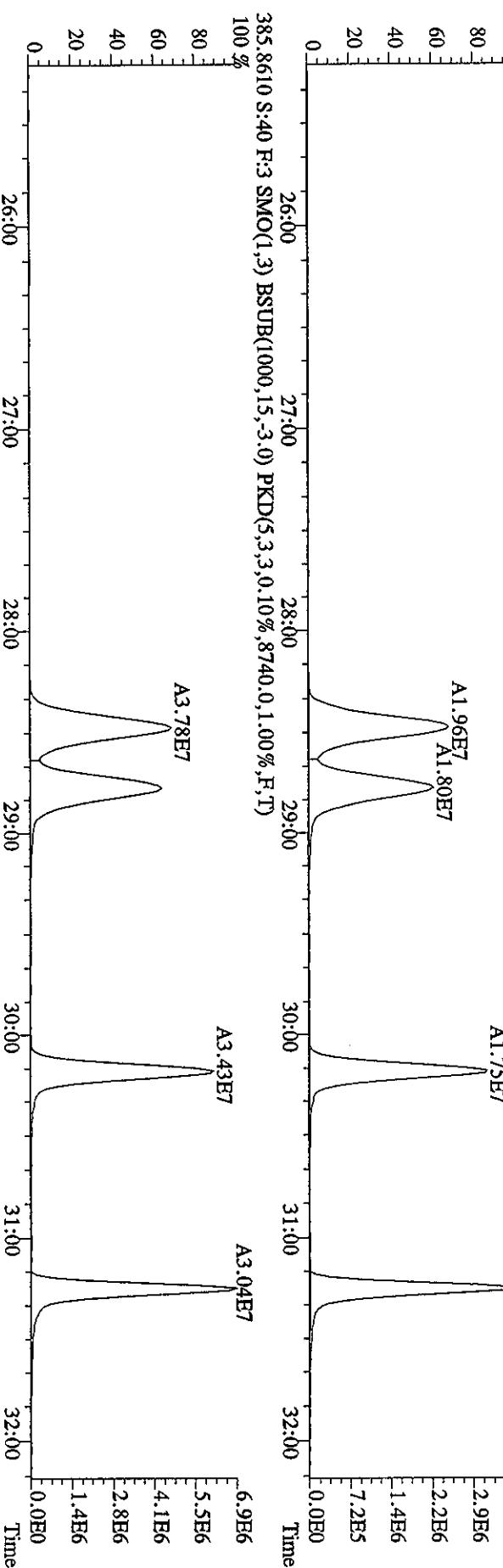
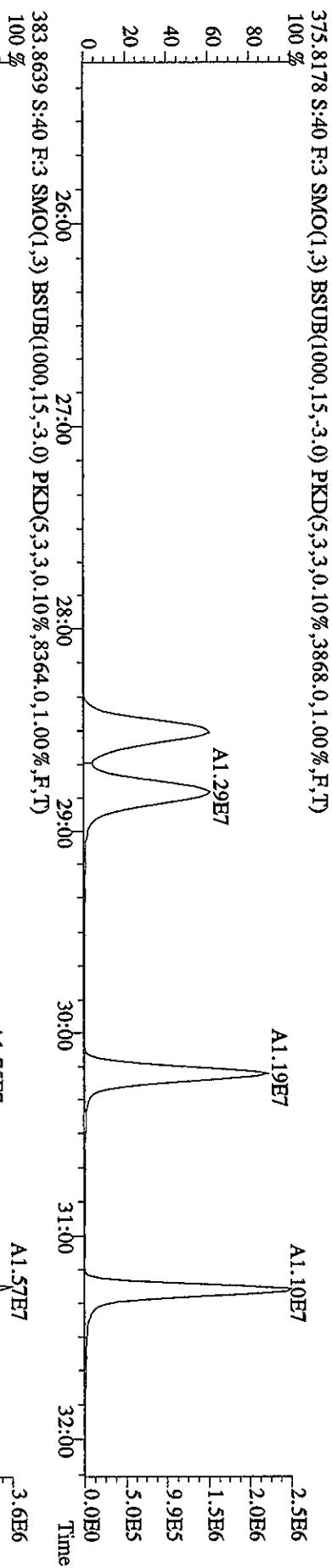
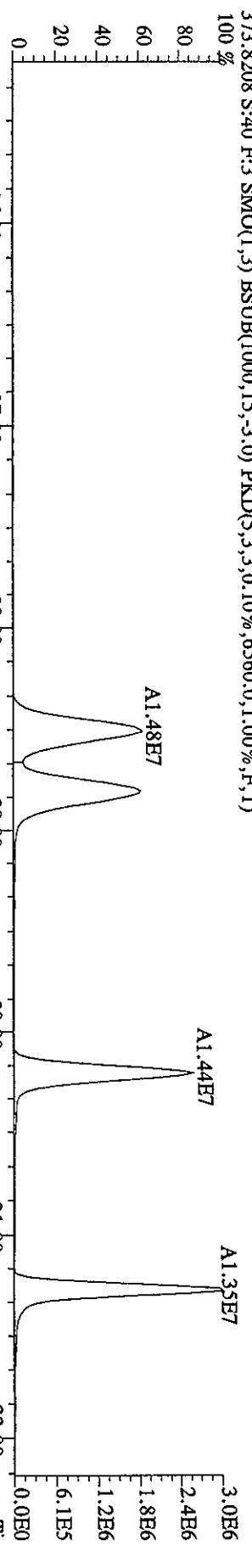


Sample:#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN

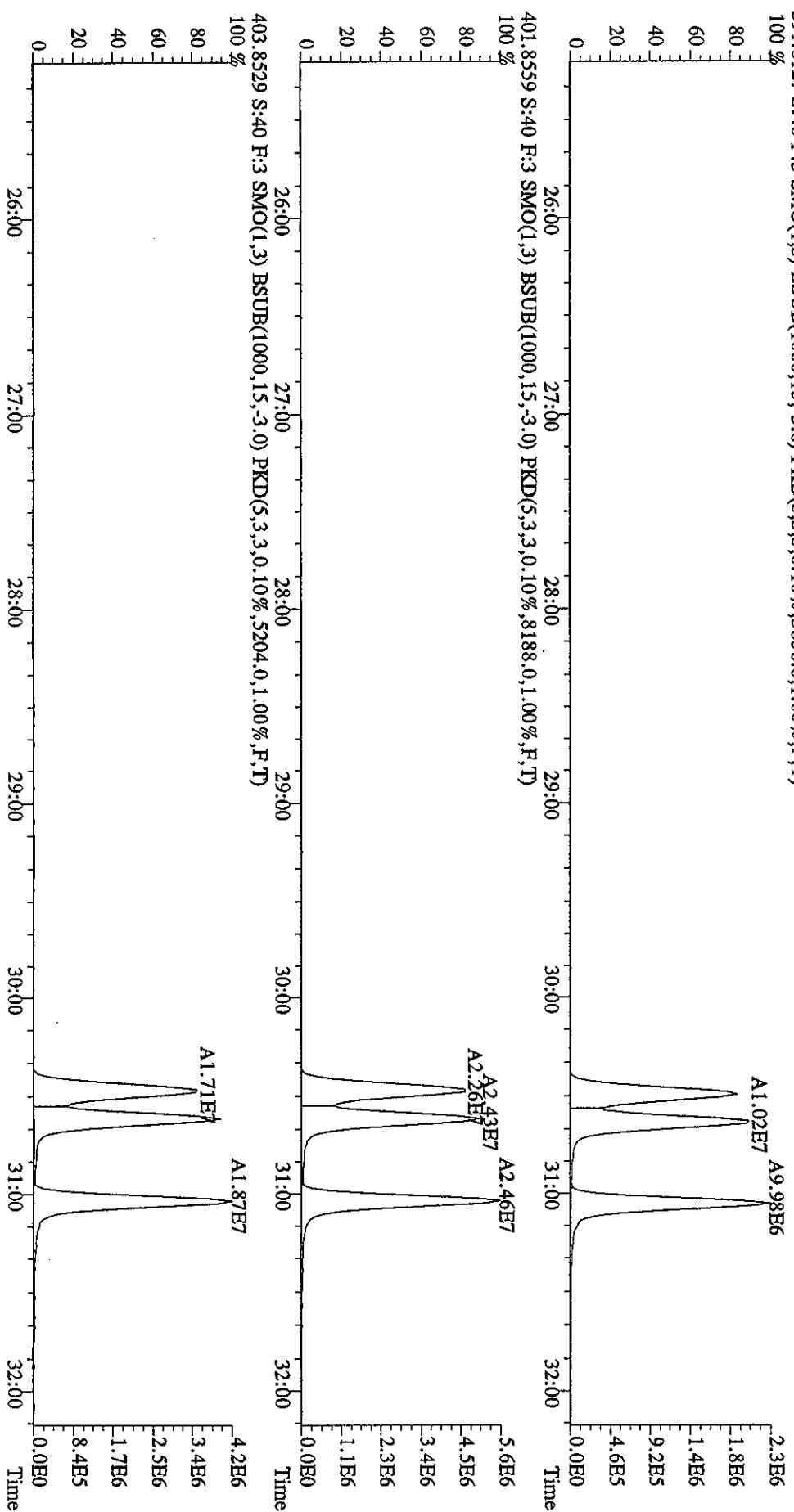
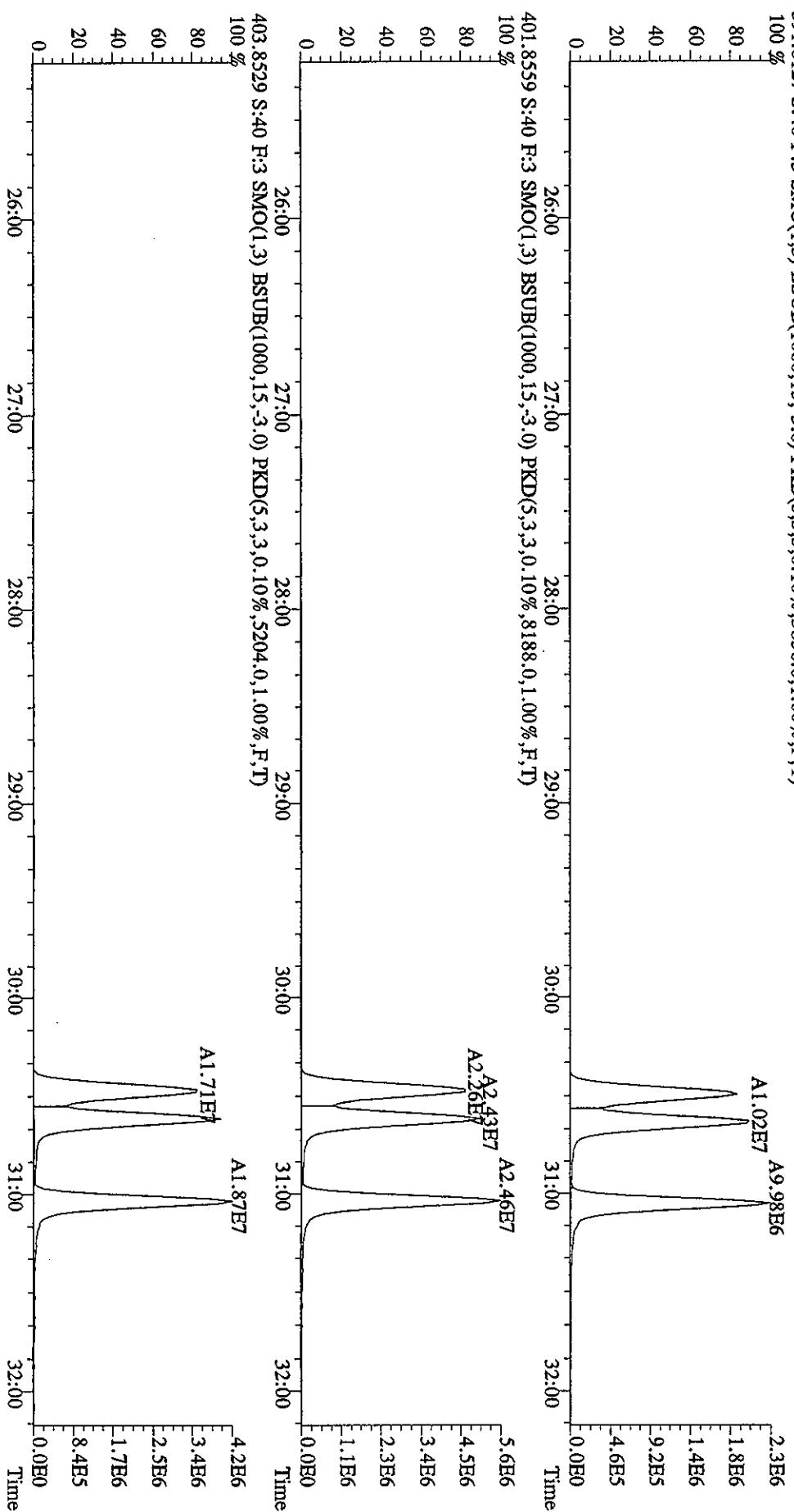
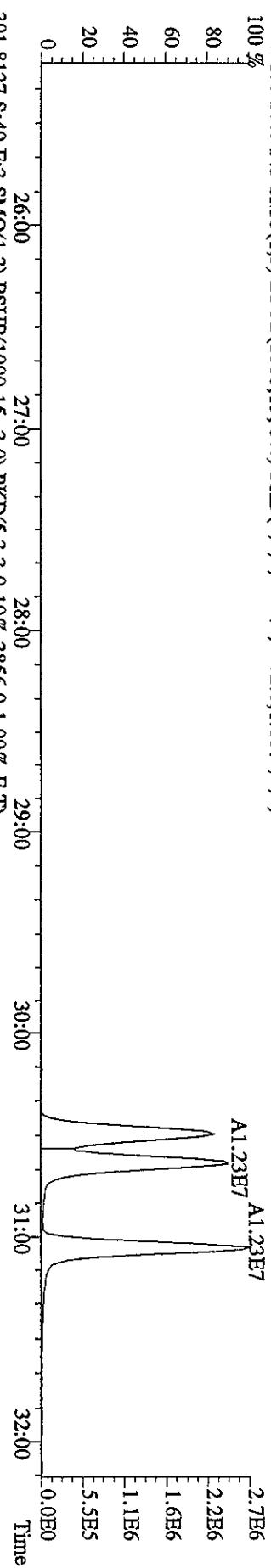
373.8208 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6560.0,1.00%,F,T)

100 %

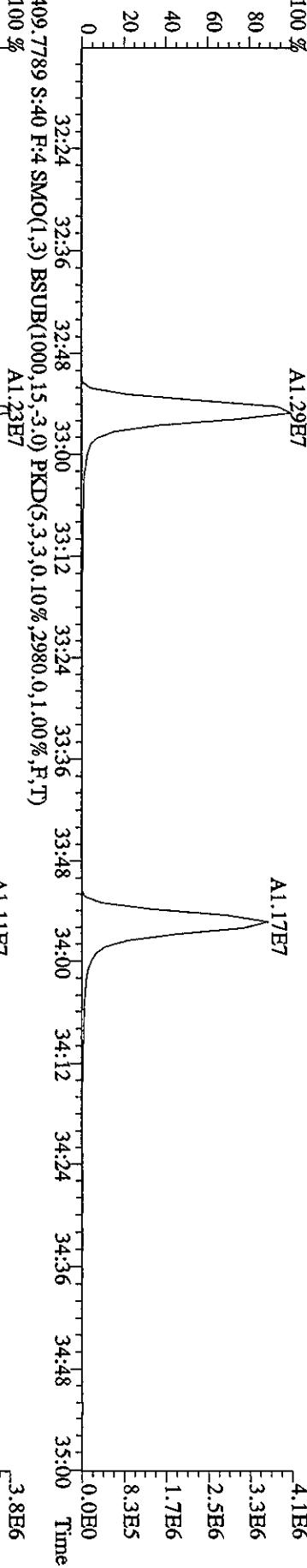
375.8178 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3868.0,1.00%,F,T)



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)
 100 %
 80
 60
 40
 20
 0



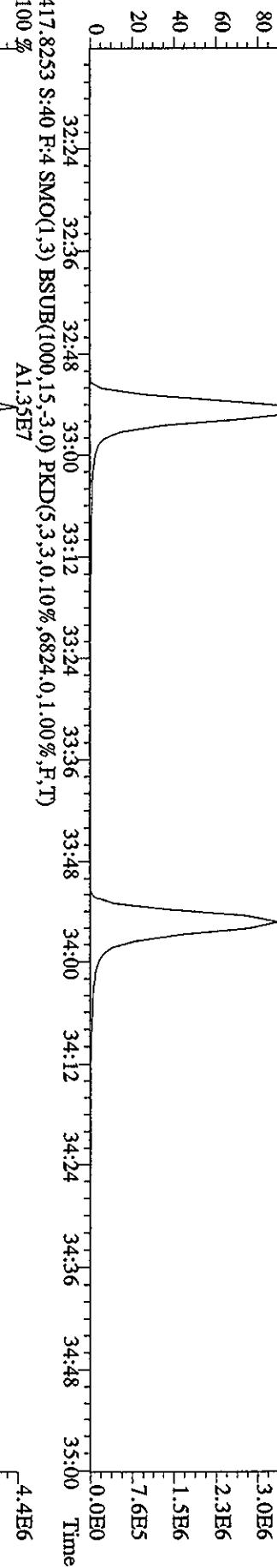
File:25MY06A9D5 #1-224 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#:40 Text:ST0325D :CS3 2555-41C Exp:DIOXIN
 407.7818 S:40 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6048.0,1.00%,F,T)
 100 % A1.29E7



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)

A1.11E7

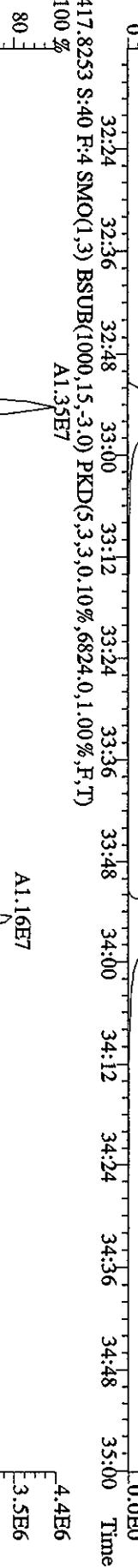
4.1E6
3.3E6
2.5E6
1.7E6
8.3E5
0.0E0



417.8253 S:40 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6824.0,1.00%,F,T)

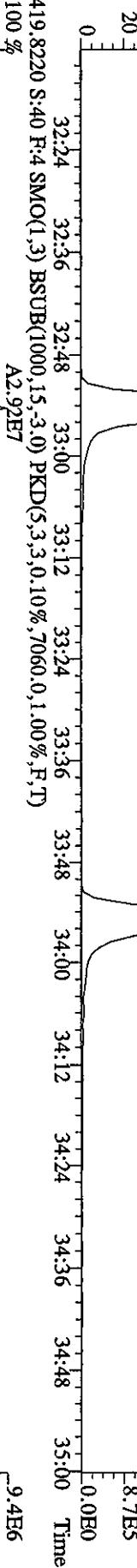
A1.35E7

3.8E6
3.0E6
2.3E6
1.5E6
7.6E5
0.0E0



A1.16E7

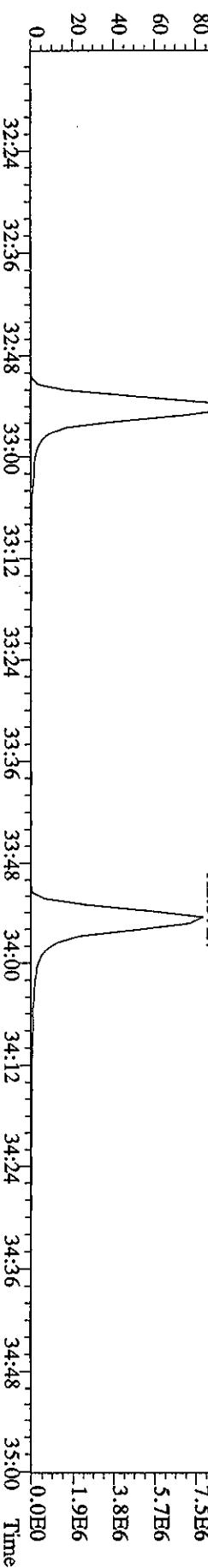
4.4E6
3.5E6
2.6E6
1.7E6
8.7E5
0.0E0



419.8220 S:40 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7060.0,1.00%,F,T)

A2.92E7

9.4E6
7.5E6
5.7E6
3.8E6
1.9E6
0.0E0



A2.57E7

4.1E6
3.3E6
2.5E6
1.7E6
8.3E5
0.0E0

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

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

423.7766 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2244.0,1.00%,F,T)

100 % A1.01E7

3.2E6

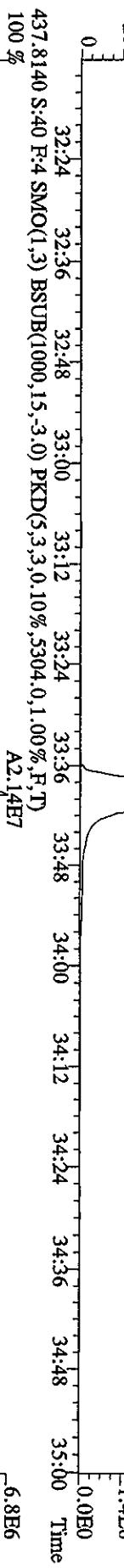
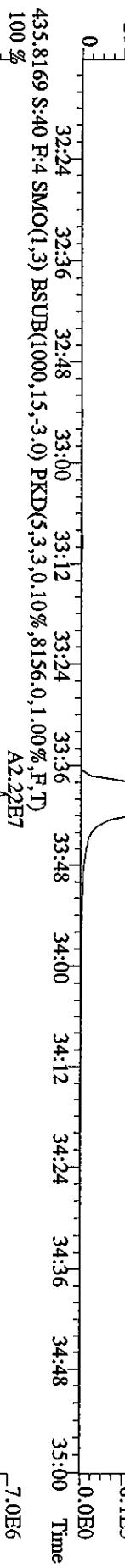
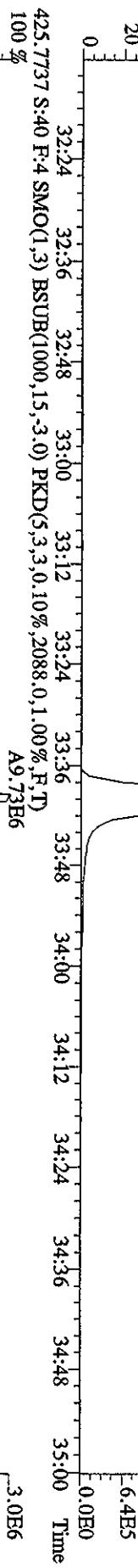
2.6E6

1.9E6

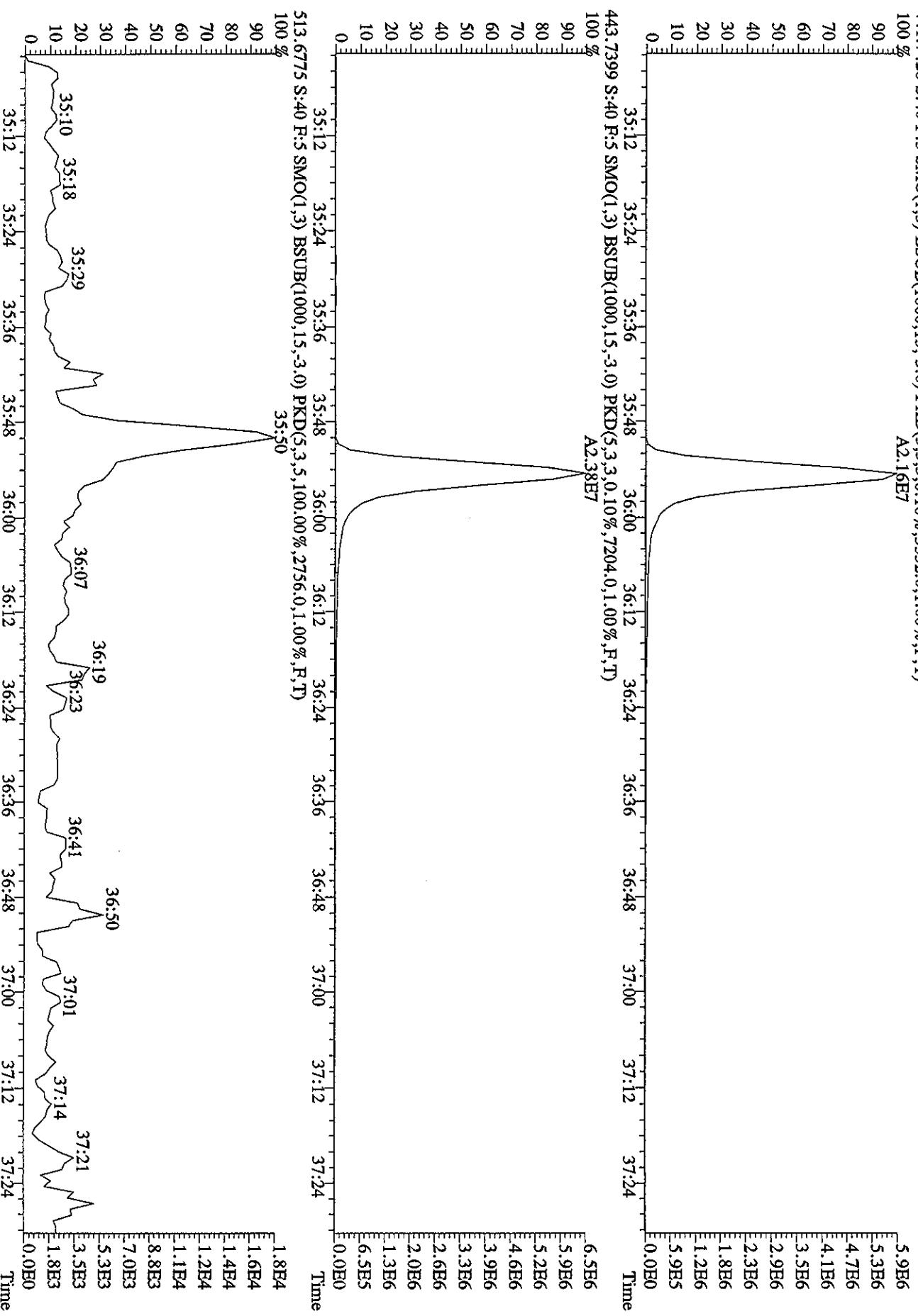
1.3E6

6.4E5

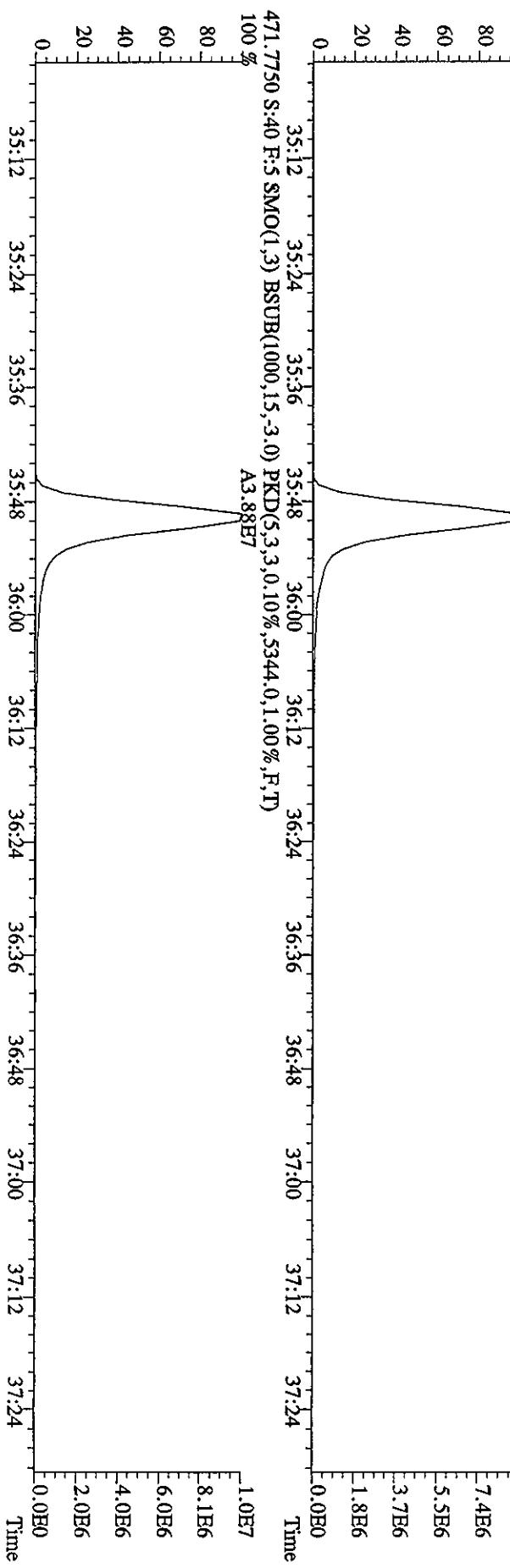
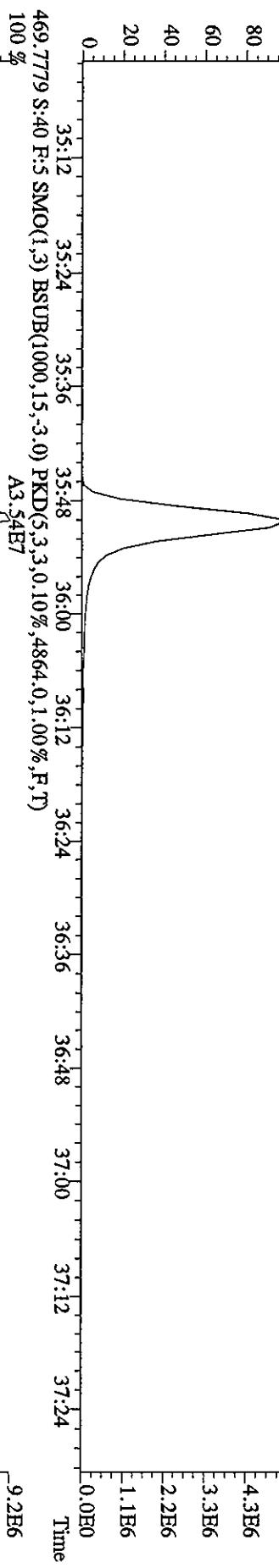
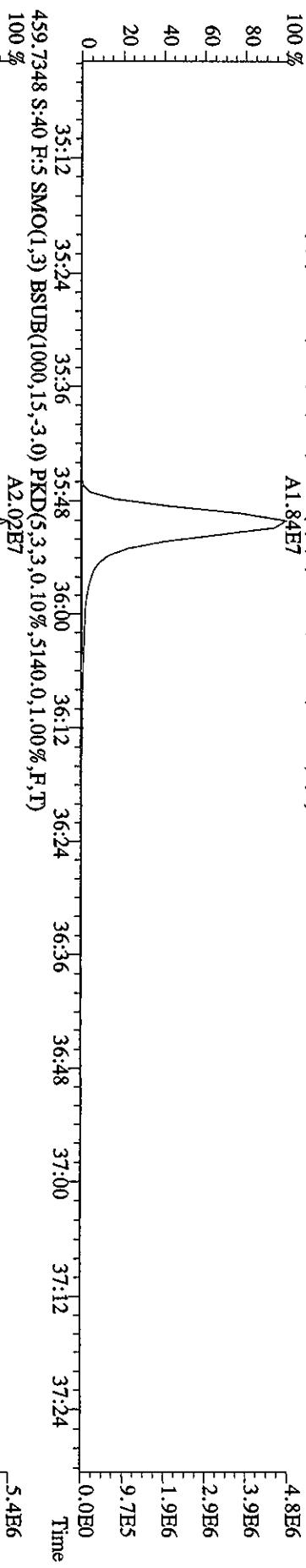
0.0E0



File:25MY06A9D5 #1-201 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:ST0525D :CS3 2565.41C Exp:DIOXIN
441.7428 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(S,3,3,0.10%,3532.0,1.00%,F,T)
100 % A2.16E7



File:25MY06A9D5 #1-201 Acq:27-MAY-2006 00:19:46 GC El+ Voltage SIR Autospec-UltimaE
 Sample:#40 Text:ST0525D :CS3 2565-4IC 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)
 A1.84E7



File:25MY06A9D5 #1-439 Acq:27-MAY-2006 00:19:46 GC El+ Voltage SIR Autospec-UltimaE

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)

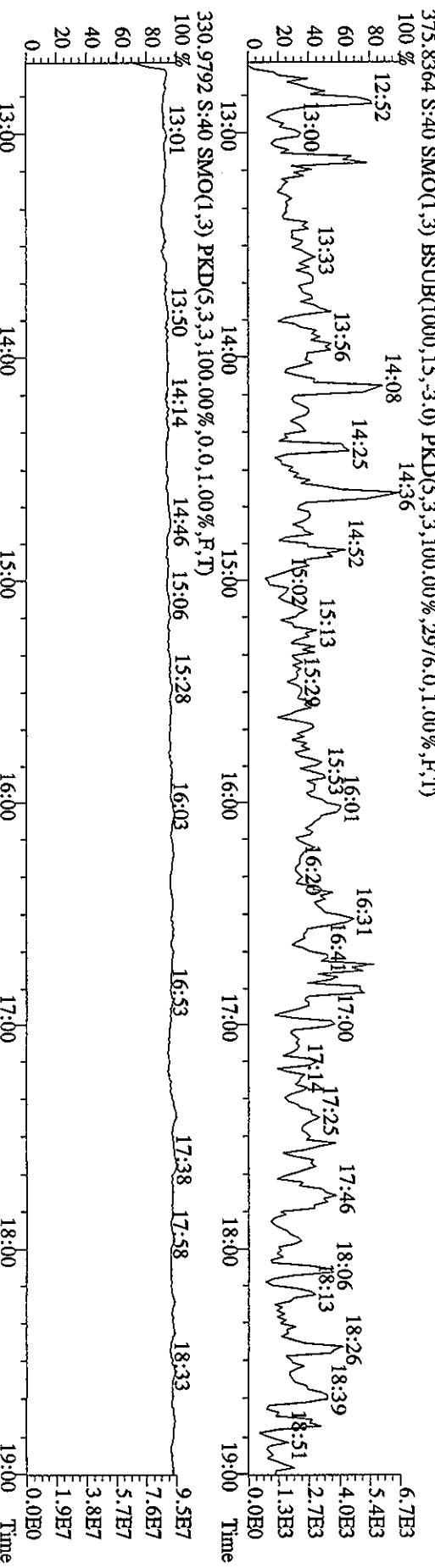
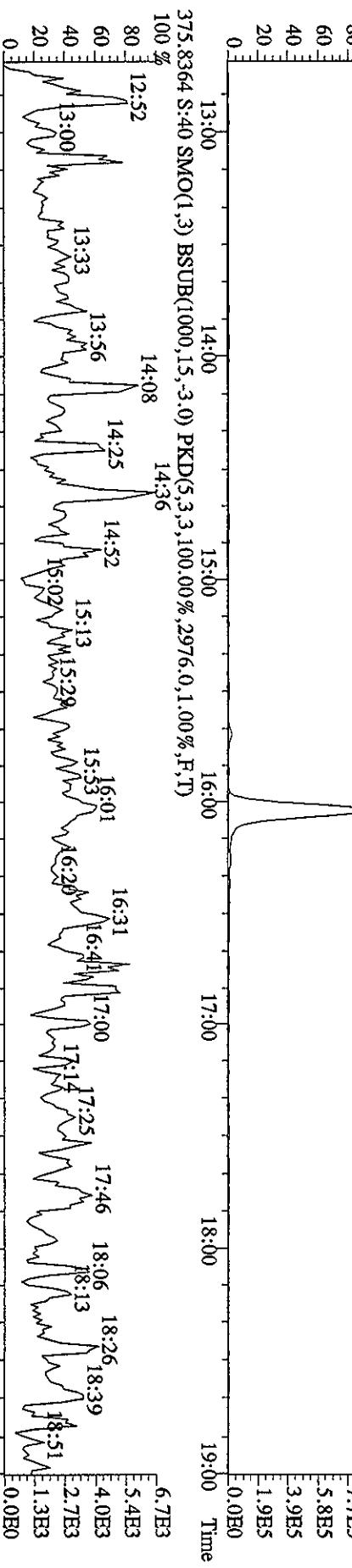
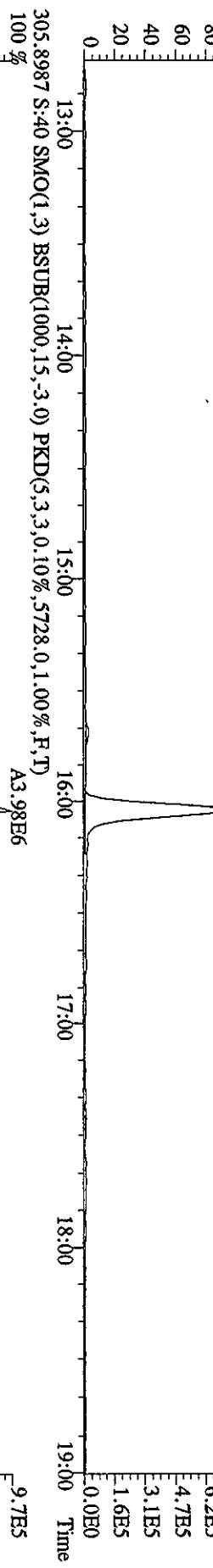
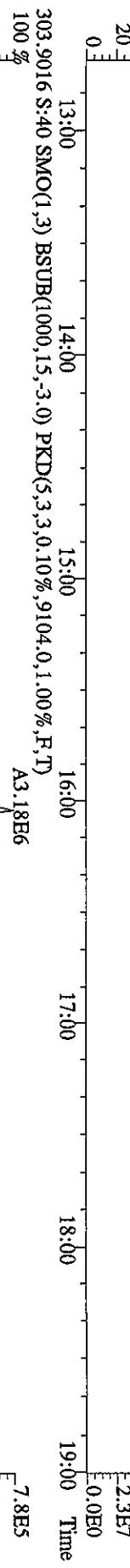
100 % 13:00 13:24 13:46 14:17 14:42 15:28 15:51 16:13 16:55 17:19 17:38 18:20 18:45 1.1E8

80 13:00 13:24 13:46 14:17 14:42 15:28 15:51 16:13 16:55 17:19 17:38 18:20 18:45 9.0E7

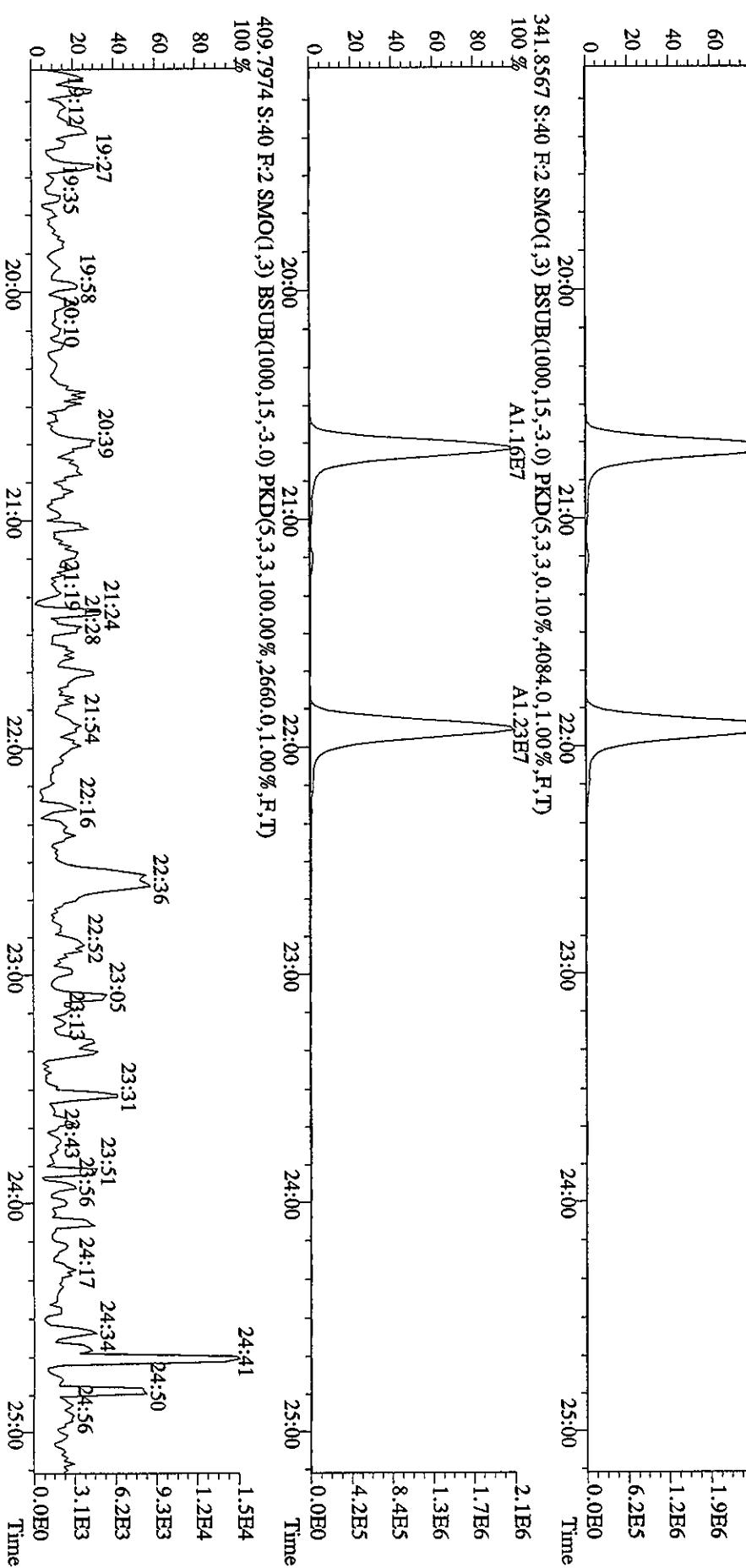
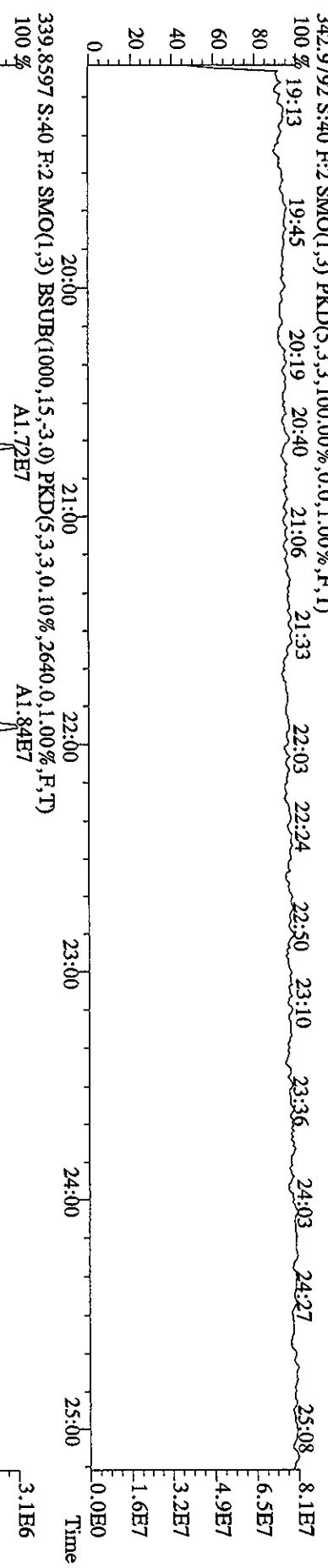
60 13:00 13:24 13:46 14:17 14:42 15:28 15:51 16:13 16:55 17:19 17:38 18:20 18:45 6.8E7

40 13:00 13:24 13:46 14:17 14:42 15:28 15:51 16:13 16:55 17:19 17:38 18:20 18:45 4.5E7

20 13:00 13:24 13:46 14:17 14:42 15:28 15:51 16:13 16:55 17:19 17:38 18:20 18:45 2.3E7



File:25MY06A9D5 #1-491 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:ST0525D :CS3 2565-41C Exp:DIOXIN
342.9792 S:40 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 % 19:13 19:45 20:19 20:40 21:06 21:33 22:03 22:24 22:50 23:10 23:36 24:03 24:27 25:08 8.1E7



File:25MY06A9D5 #1-528 Acq:27-MAY-2006 00:19:46 GC El+ Voltage SIR Autospec-UltimaE

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

392.9760 S:40 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 25.39 26:35 27:19 28:08 28:31 29:24 29:54 30:19 30:49 31:23 32:07 5.7E7

80 60 40 20 0

26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

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)

100 % 25.39 26:35 27:19 28:08 28:31 29:24 29:54 30:19 30:49 31:23 32:07 4.5E7

80 60 40 20 0

26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

375.8178 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3868.0,1.00%,F,T)

100 % 25.39 26:35 27:19 28:08 28:31 29:24 29:54 30:19 30:49 31:23 32:07 3.4E7

80 60 40 20 0

26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

A1.48E7 A1.44E7 A1.35E7 A1.10E7

2.5E6 2.4E6 1.8E6 1.2E6 6.1E5 0.0E0

Time

445.7555 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3916.0,1.00%,F,T)

100 % 25.37 26:22 26:47 26:14 26:46 27:27 28:01 28:24 28:50 29:24 29:46 30:13 30:38 31:03 1.1E4

80 60 40 20 0

26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

9.1E3 6.8E3 4.5E3 2.3E3 0.0E0

Time

380.9760 S:40 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 25.39 26:13 26:37 27:19 28:00 28:35 29:22 29:55 30:19 30:51 31:36 32:07 6.5E7

80 60 40 20 0

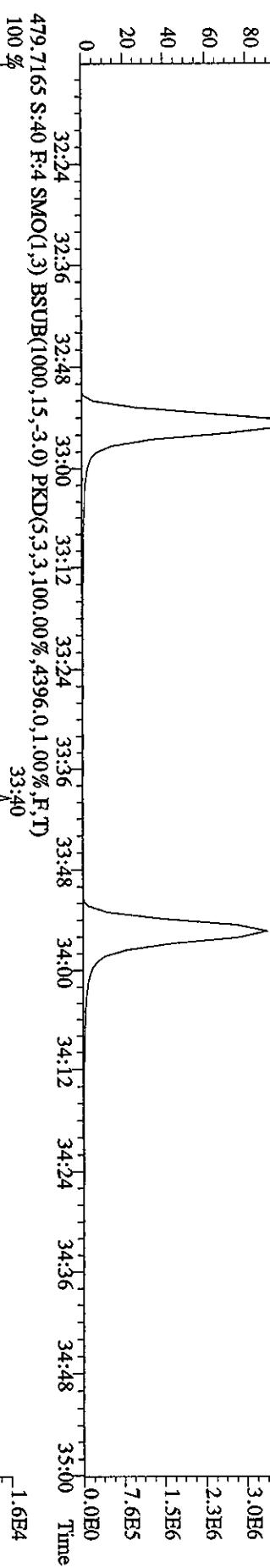
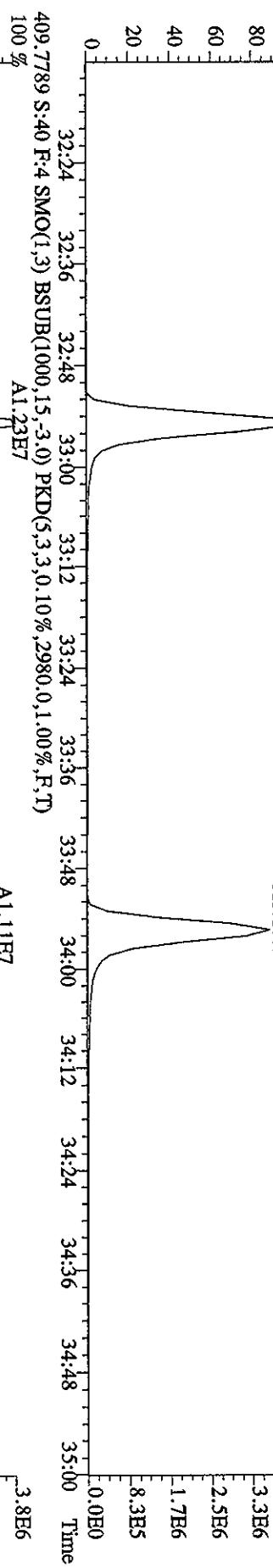
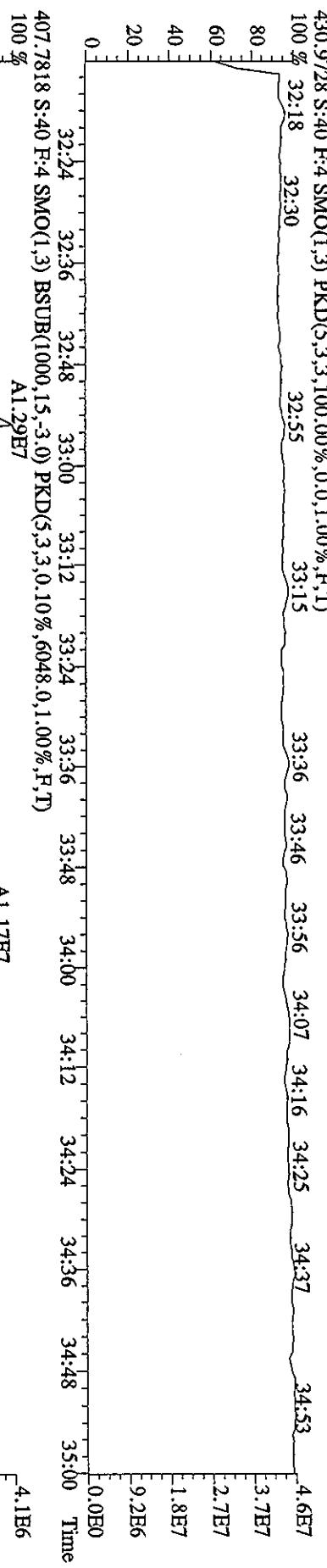
26:00 27:00 28:00 29:00 30:00 31:00 32:00 Time

5.2E7 3.9E7 2.6E7 1.3E7 0.0E0

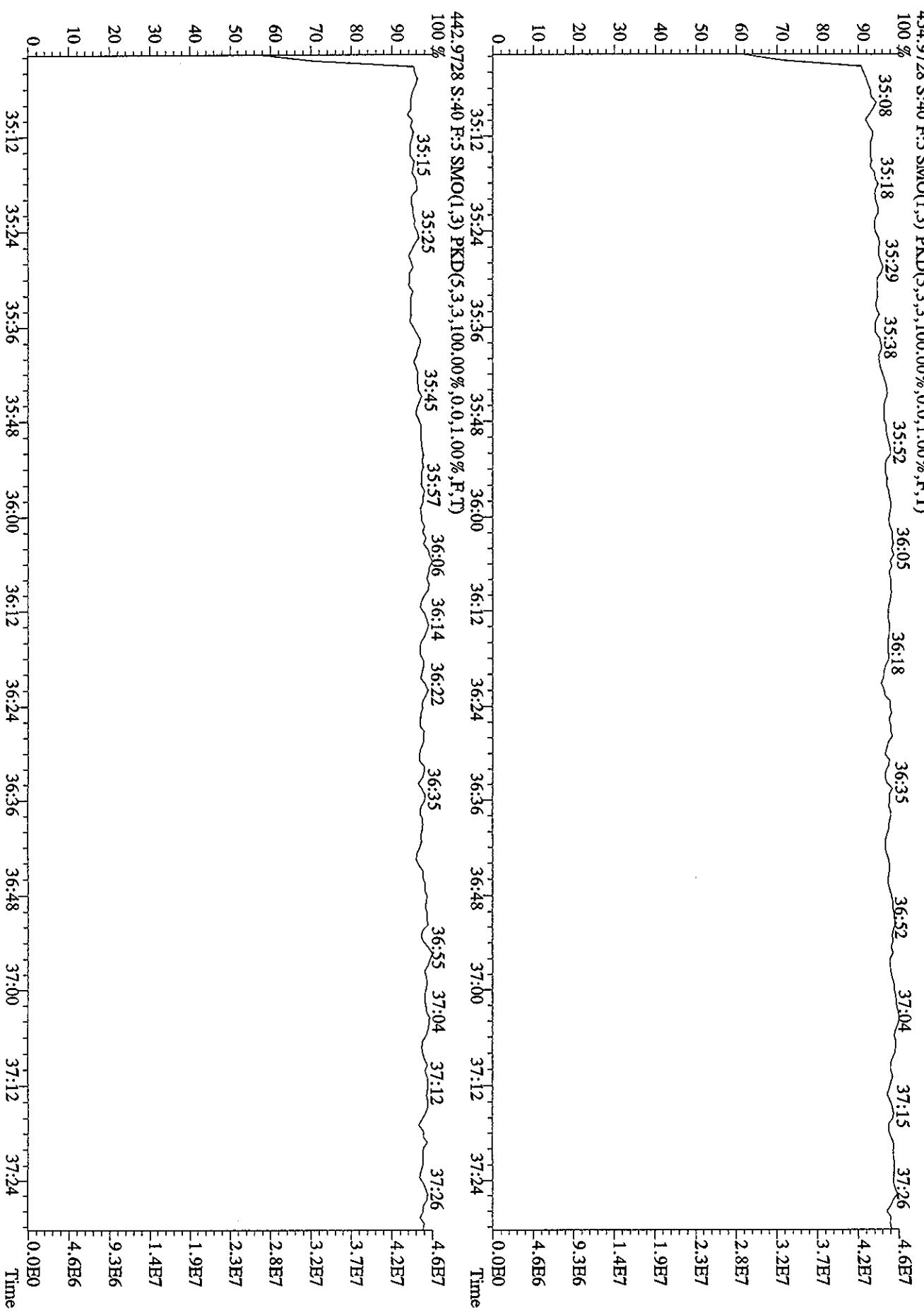
Time

G6E120362 STL Sacramento (916) 373 - 5600 185 of 341

File:25MY06A9D5 #1-224 Acq:27-MAY-2006 00:19:46 GC EI+ Voltage SIR Autospec-UltimaB
Sample#0 Text:ST0525D :CS3 2565-41C Exp:DIOXIN
430.9728 S:40 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 % 32:18 32:30 32:55 33:15 33:36 33:46 33:56 34:07 34:16 34:25 34:37 34:53 4.6E7
80
60
40
20
0



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



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) 0328068D5

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

Column ID D85 Instrument ID 8D5

STD ID's STD 0328 (C,B,A,E,D) STD Solution 2565-41 (A,B,C,D,E)

Analyzed By M. G. Multiplier Setting 333V

Prepared By M. G. Date Analyzed 3/28/06

Reviewed By SMA Date Prepared 3/29/06

 Date Reviewed 3/29/06

ANALYSIS OF ICAL		INTEGRATED	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 \leq 20% for natives, \leq 30% for labeled analytes; S/N \geq 10

Method 1613A: %CV \leq 35% (See Table 7, Method 1613A); S/N \geq 10

Method 23: %RSD \leq values specified in Table 5, Method 23; S/N $>$ 2.5

PAH: %RSD \leq 30% for natives and labeled compounds; S/N \geq 10

PCB: %RSD \leq 20% for natives, \leq 40% for labeled compounds; S/N \geq 2.5

NCASI 551: %RSD \leq 20% for natives and labeled compounds; \geq 5

DBD/DBF: %RSD \leq 30% for natives, \leq 40% for labeled analytes; S/N \geq 10

Run : 28MR068D5 Analyte: 8290

Cal: 82900328068D5

ST0328C :CS1 2565-41A

ST0328E :CS4 2565-41D

ST0328B :CS2 2565-41B

ST0328D :CS5 2565-41E

ST0328A :CS3 2565-41C

	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	0.5287	1.75	1.77	1.77	1.75	1.76	1.76		
2,3,7,8-TCDF	0.935	0.106	11.3 %	1.11	0.96	0.89	0.87	0.87	0.84		
Total TCDF	0.935	0.106	11.3 %	1.11	0.96	0.89	0.87	0.87	0.84		
13C-2,3,7,8-TCDD	0.901	0.020	2.20 %	0.90	0.89	0.91	0.88	0.88	0.93		
2,3,7,8-TCDD	1.479	0.061	4.10 %	1.58	1.43	1.48	1.46	1.46	1.44		
Total TCDD	1.479	0.061	4.10 %	1.58	1.43	1.48	1.46	1.46	1.44		
37CL-2,3,7,8-TCDD	2.517	0.131	5.22 %	2.69	2.39	2.55	2.38	2.38	2.57		
13C-1,2,3,7,8-PeCDF	1.540	0.061	3.93 %	1.46	1.62	1.57	1.51	1.51	1.55		
1,2,3,7,8-PeCDF	1.081	0.049	4.50 %	1.17	1.05	1.06	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	1.07	1.09		
Total F2 PeCDF	1.085	0.061	5.66 %	1.19	1.03	1.06	1.06	1.06	1.08		
Total F1 PeCDF	1.085	0.061	5.66 %	1.19	1.03	1.06	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	0.71	0.77		
1,2,3,7,8-PeCDD	1.221	0.069	5.65 %	1.28	1.15	1.14	1.29	1.29	1.24		
Total PeCDD	1.221	0.069	5.65 %	1.28	1.15	1.14	1.29	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	1.68	1.52		
1,2,3,4,7,8-HxCDF	1.148	0.079	6.89 %	1.28	1.15	1.07	1.11	1.11	1.12		
1,2,3,6,7,8-HxCDF	1.363	0.125	9.14 %	1.56	1.41	1.32	1.29	1.29	1.24		
2,3,4,6,7,8-HxCDF	1.147	0.080	7.01 %	1.27	1.19	1.09	1.07	1.07	1.12		
1,2,3,7,8,9-HxCDF	1.012	0.059	5.86 %	1.07	1.06	0.93	0.98	0.98	1.03		
Total HxCDF	1.168	0.080	6.86 %	1.29	1.20	1.10	1.11	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	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	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
13C-2,3,7,8-TCDF	155308600	0.81	y	17:58	1.77	100.00
2,3,7,8-TCDF	2994400	0.75	y	17:59	0.96	2.00
Total TCDF	-	-	n	-	0.96	2.00
13C-2,3,7,8-TCDD	78538500	0.81	y	18:44	0.89	100.00
2,3,7,8-TCDD	2246014	0.79	y	18:45	1.43	2.00
Total TCDD	-	-	n	-	1.43	2.00
37Cl-2,3,7,8-TCDD	4207140	1.00	y	18:45	2.39	2.00
13C-1,2,3,7,8-PeCDF	142116500	1.63	y	23:19	1.62	100.00
1,2,3,7,8-PeCDF	14917330	1.62	y	23:20	1.05	10.00
2,3,4,7,8-PeCDF	14334060	1.61	y	24:46	1.01	10.00
Total F2 PeCDF	-	-	n	-	1.03	20.00
Total F1 PeCDF	-	-	n	-	1.03	20.00
13C-1,2,3,7,8-PeCDD	72569200	1.63	y	25:30	0.82	100.00
1,2,3,7,8-PeCDD	8376190	1.65	y	25:33	1.15	10.00
Total PeCDD	-	-	n	-	1.15	10.00
13C-1,2,3,7,8,9-HxCDD	78320500	1.31	y	32:45	-	100.00
13C-1,2,3,4,7,8-HxCDF	110613000	0.55	y	31:20	1.41	100.00
1,2,3,4,7,8-HxCDF	12752100	1.26	y	31:21	1.15	10.00
1,2,3,6,7,8-HxCDF	15574030	1.26	y	31:30	1.41	10.00
2,3,4,6,7,8-HxCDF	13151230	1.26	y	32:11	1.19	10.00
1,2,3,7,8,9-HxCDF	11763350	1.28	y	32:58	1.06	10.00
Total HxCDF	-	-	n	-	1.20	40.00
13C-1,2,3,6,7,8-HxCDD	84798300	1.21	y	32:26	1.08	100.00
1,2,3,4,7,8-HxCDD	6793696	1.43	n	32:22	0.80	10.00
1,2,3,6,7,8-HxCDD	9839820	1.21	y	32:27	1.16	10.00
1,2,3,7,8,9-HxCDD	9482290	1.27	y	32:46	1.12	10.00
Total HxCDD	-	-	n	-	1.03	30.00
13C-1,2,3,4,6,7,8-HpCDF	93017000	0.47	y	34:28	1.19	100.00
1,2,3,4,6,7,8-HpCDF	13236800	1.08	y	34:29	1.42	10.00
1,2,3,4,7,8,9-HpCDF	10025600	1.05	y	35:44	1.08	10.00
Total HpCDF	-	-	n	-	1.25	20.00
13C-1,2,3,4,6,7,8-HpCDD	71428500	1.09	y	35:23	0.91	100.00
1,2,3,4,6,7,8-HpCDD	7560730	1.07	y	35:24	1.06	10.00
Total HpCDD	-	-	n	-	1.06	10.00
13C-OCDD	91461300	0.93	y	38:07	0.58	200.00
OCDF	13599060	0.92	y	38:14	1.49	20.00
OCDD	10159240	0.90	y	38:08	1.11	20.00

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

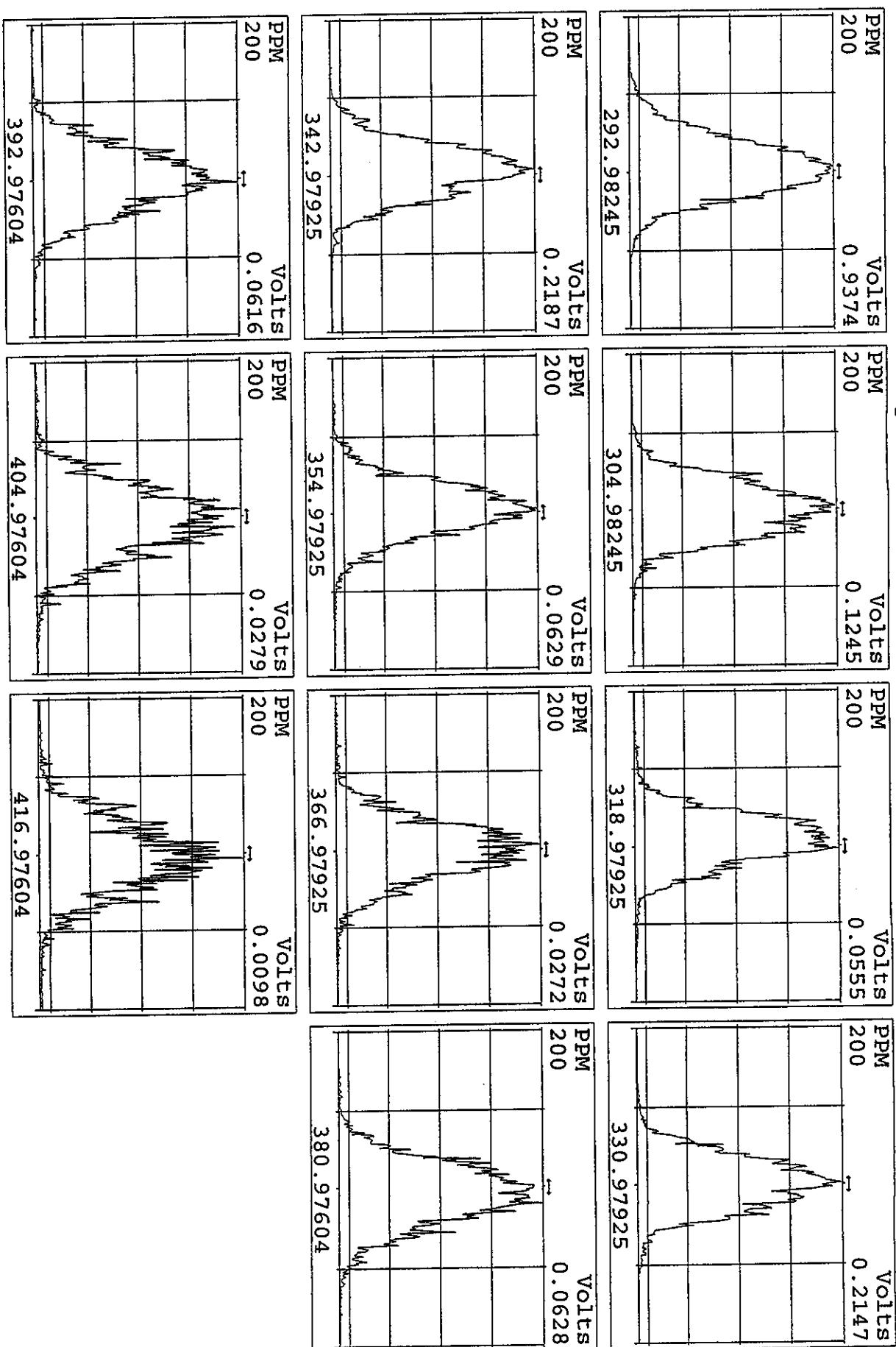
Run #5 Filename 28MR068D5 S: 6 I: 1
 Acquired: 28-MAR-06 16:40:26 Processed: 28-MAR-06 19:06:03
 Run: 28MR068D5 Analyte: 8290 Cal: 82900328068D5
 Comments:

Sample text: ST0328D :CS5 2565-41E

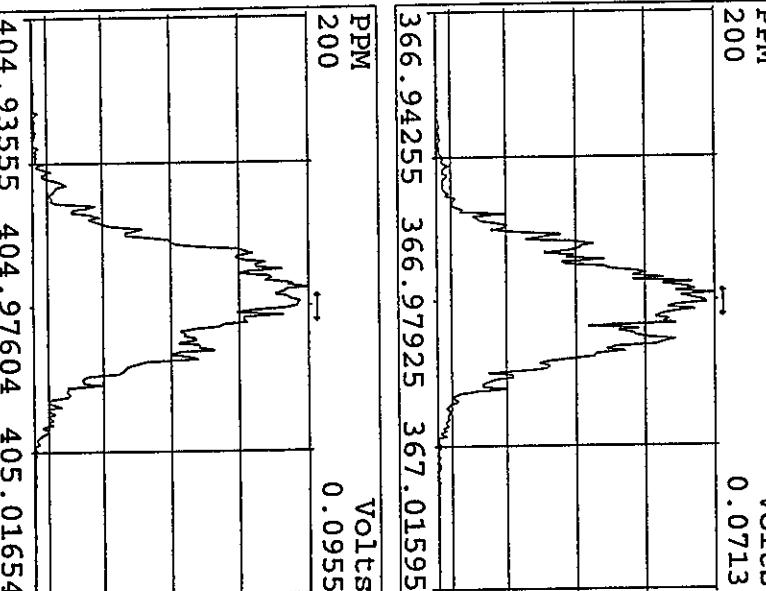
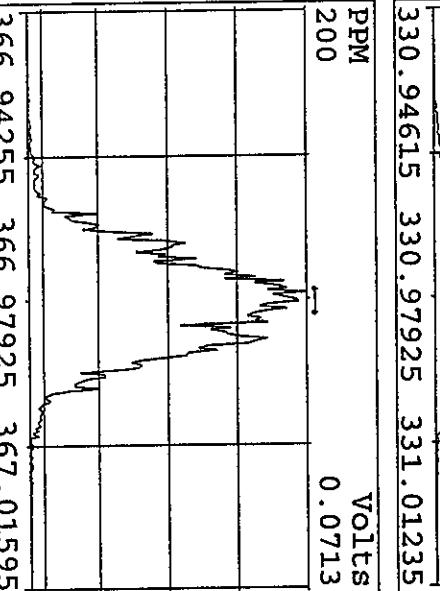
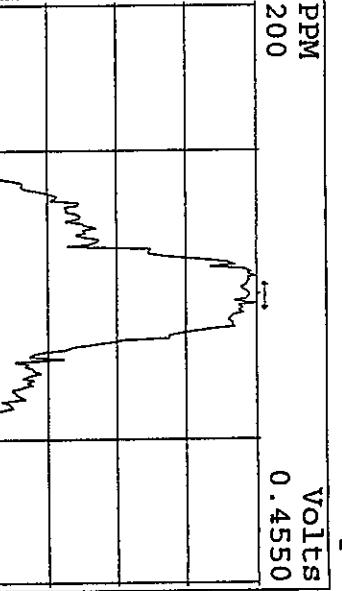
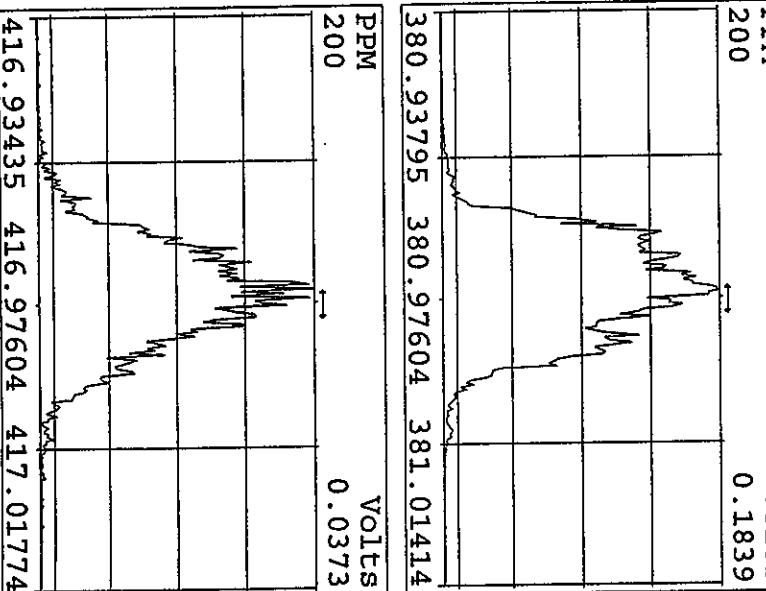
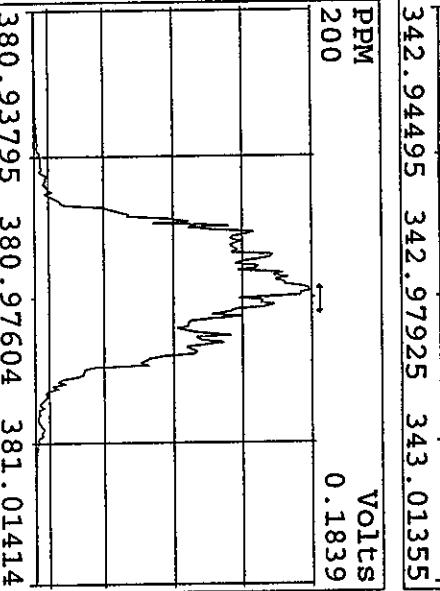
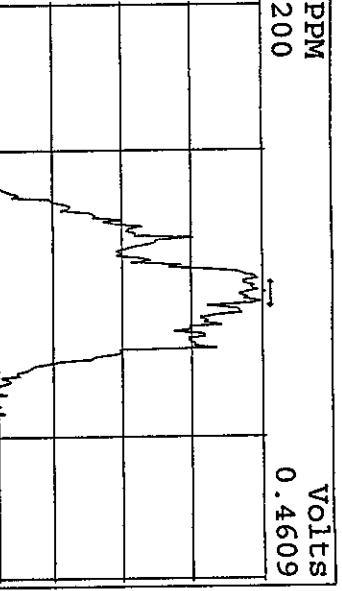
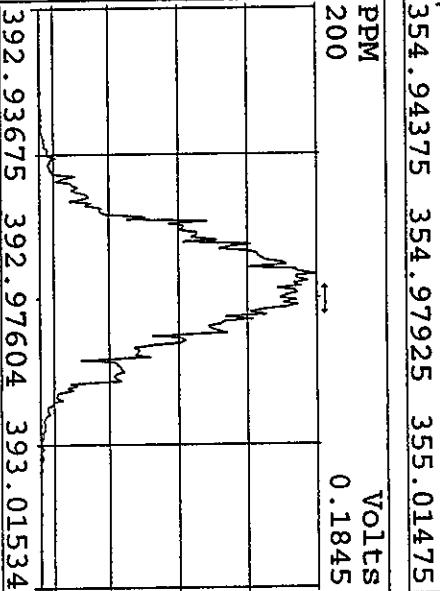
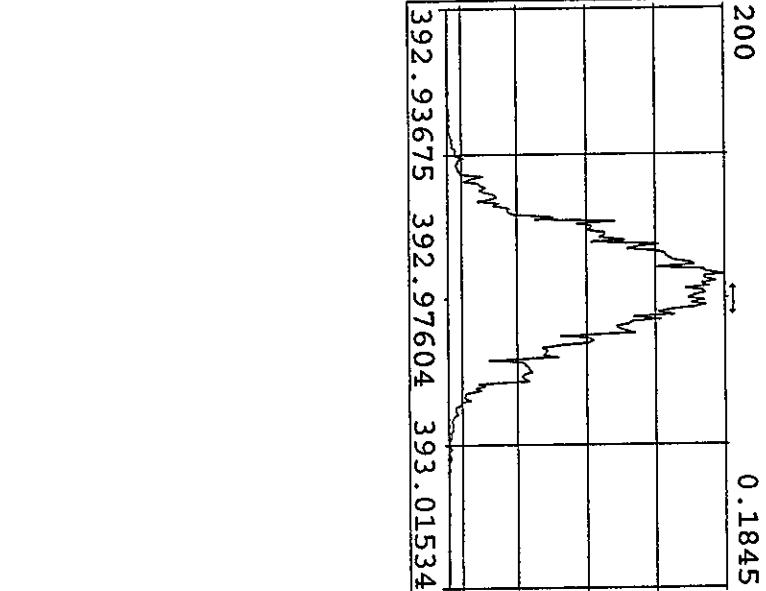
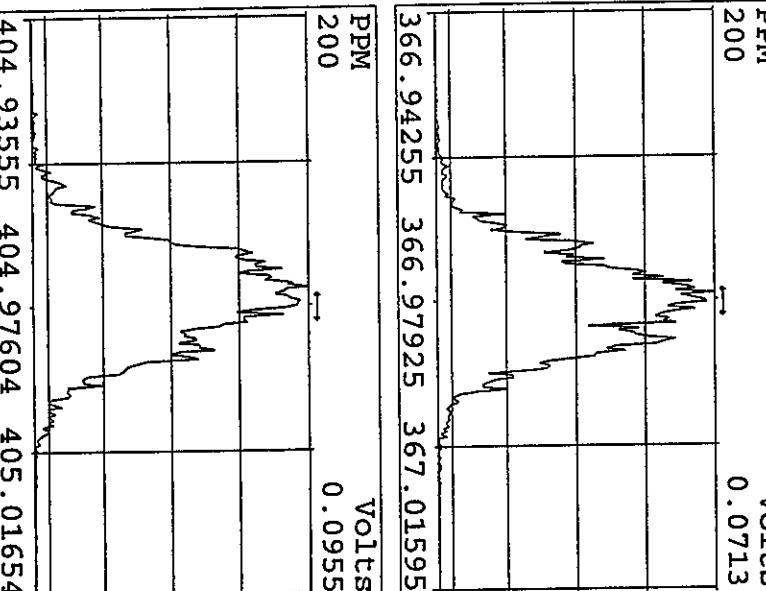
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	99927600	0.86	y	18:31	-	100.00
13C-2,3,7,8-TCDF	176220700	0.79	y	17:58	1.76	100.00
2,3,7,8-TCDF	297237000	0.75	y	17:59	0.84	200.00
Total TCDF	-	-	n	-	0.84	200.00
13C-2,3,7,8-TCDD	93113300	0.82	y	18:43	0.93	100.00
2,3,7,8-TCDD	267773000	0.81	y	18:44	1.44	200.00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

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	11						1.000	
28MR068D5	12		MG 03/28/06				1.000	

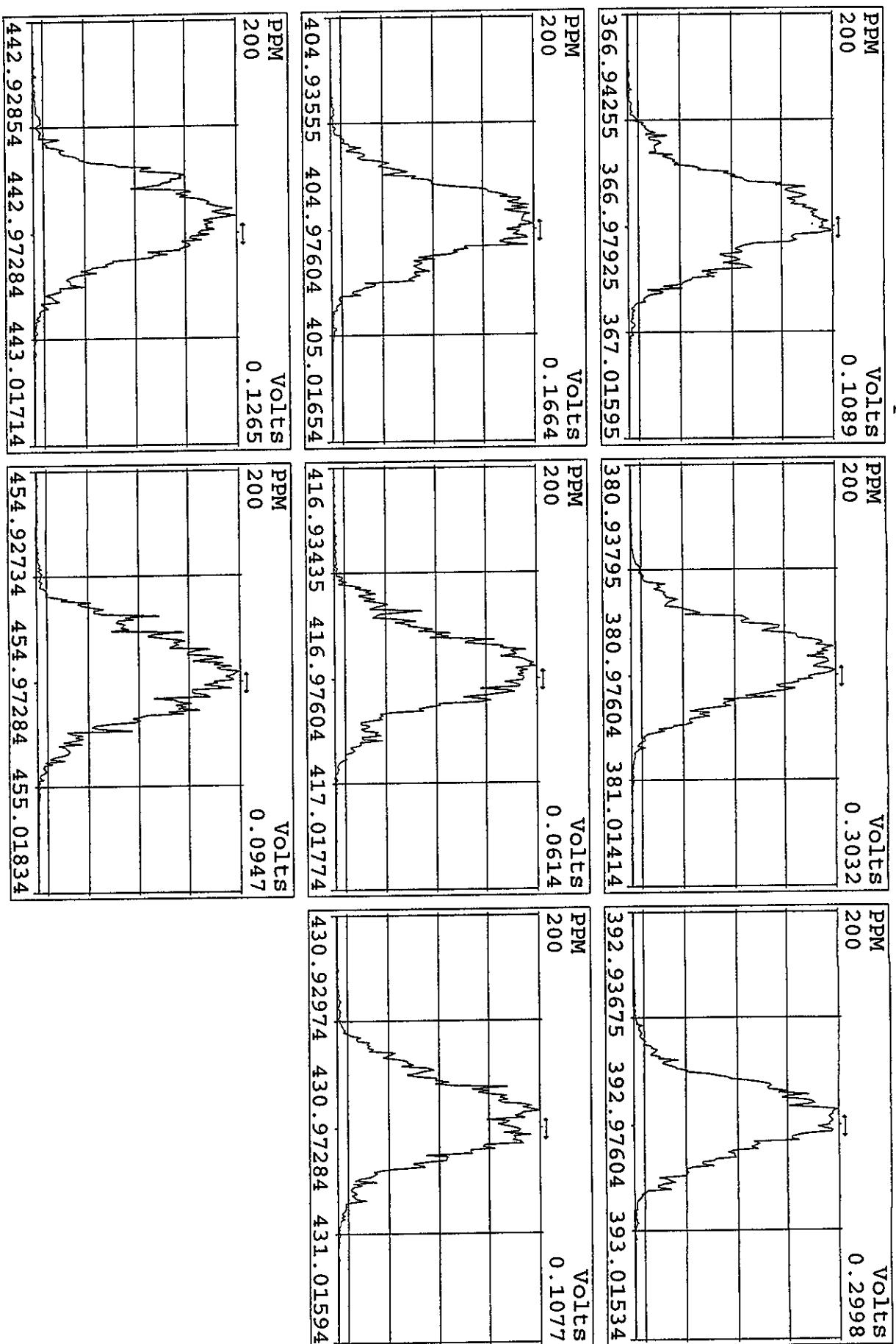
Peak Locate Examination: 28-MAR-2006:13:07 File:28MR068D5
 Experiment:DIOXIN Function:1 Reference:PFK



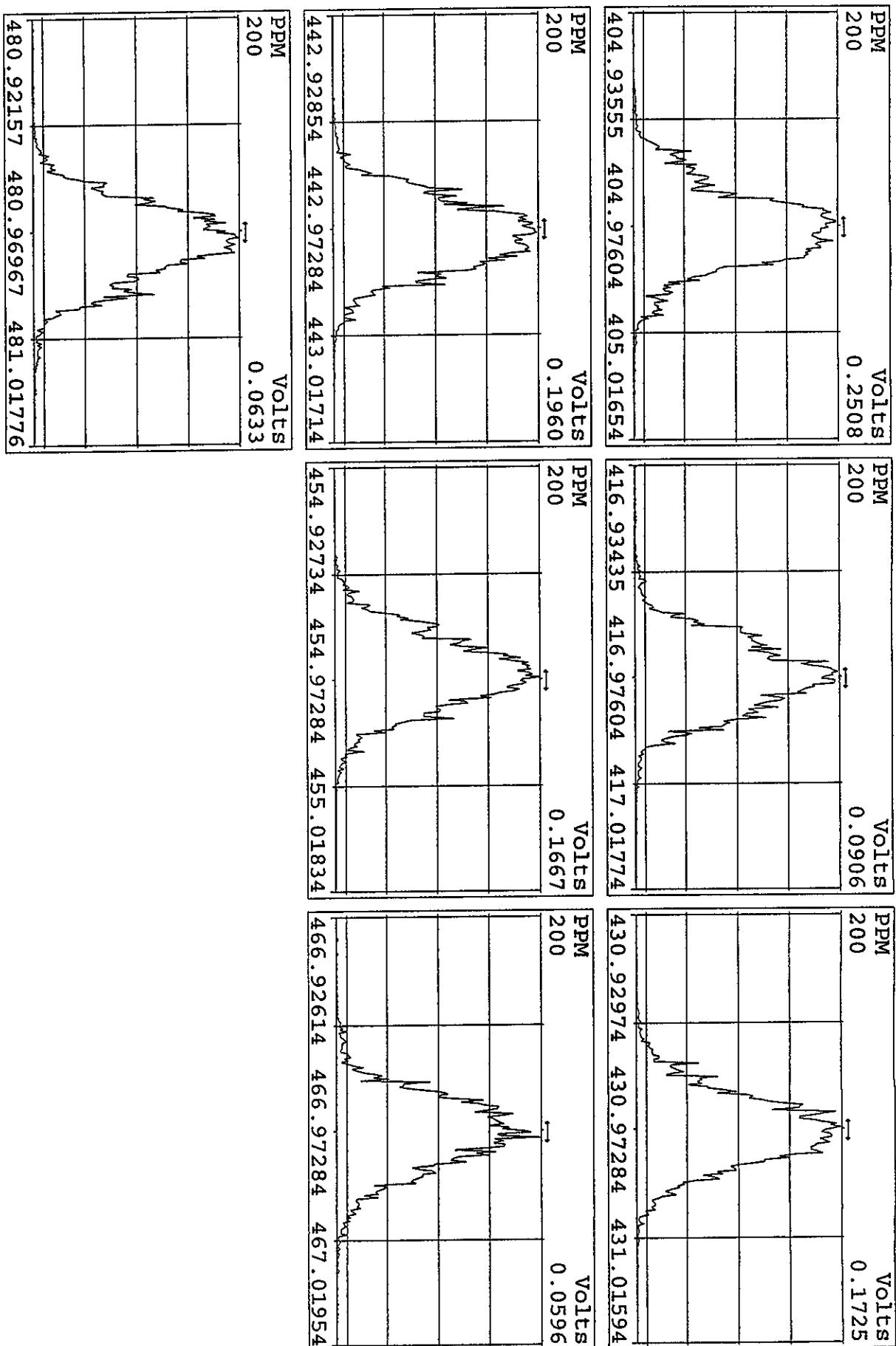
Peak Locate Examination:28-MAR-2006:13:08 File:28MR068D5
 Experiment:DIOXIN Function:2 Reference:PFK

PPM 200	Volts 0.4550	
PPM 200	Volts 0.4609	
PPM 200	Volts 0.1493	
330.94615	330.97925	331.01235
PPM 200	Volts 0.0713	
PPM 200	Volts 0.1839	
342.94495	342.97925	343.01355
PPM 200	Volts 0.1845	
354.94375	354.97925	355.01475
PPM 200	Volts 0.0373	
366.94255	366.97925	367.01595
PPM 200	Volts 0.0955	
380.93795	380.97604	381.01414
PPM 200	Volts 0.4054	
404.93555	404.97604	405.01654
416.93435	416.97604	417.01774

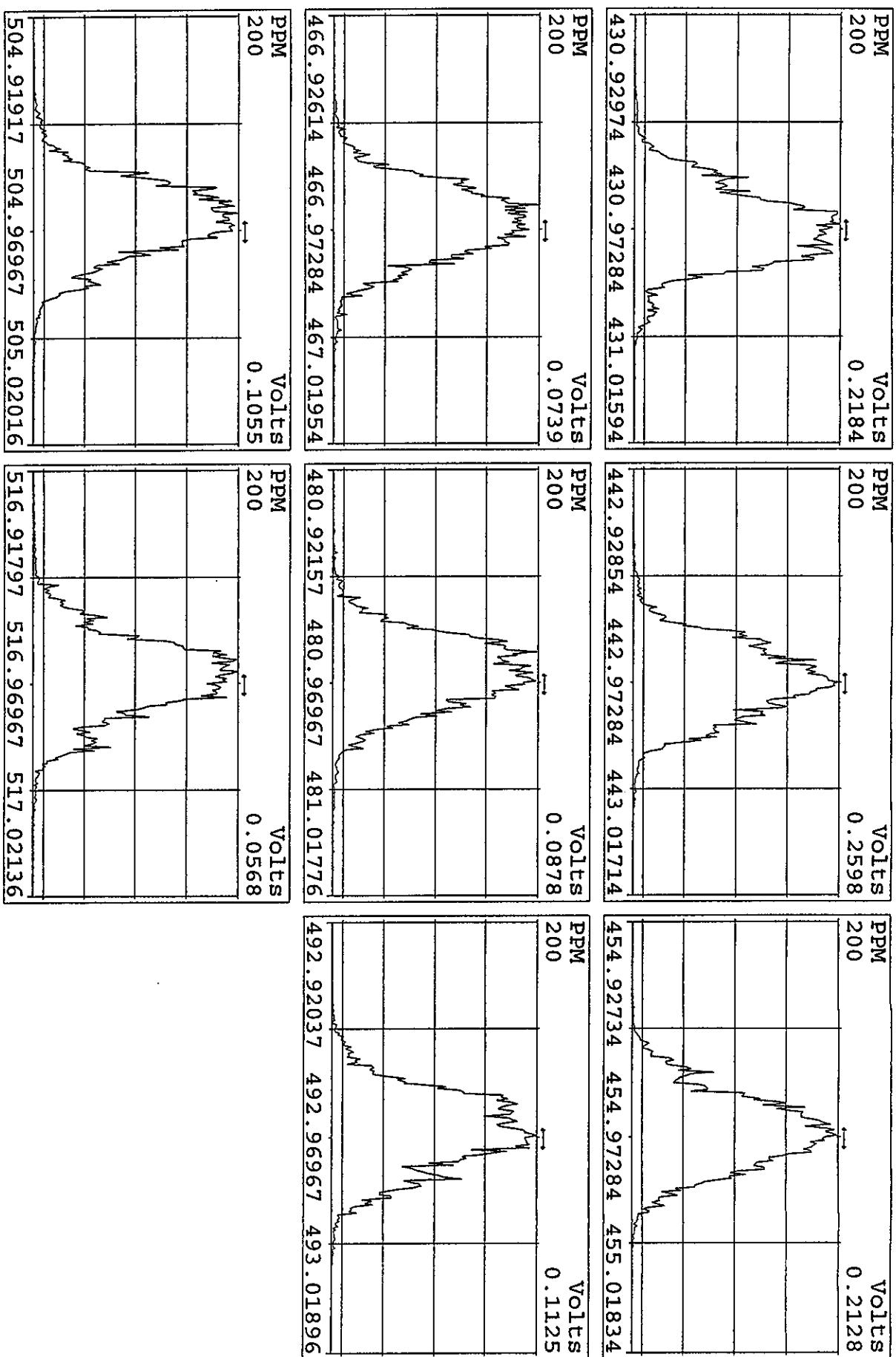
Peak Locate Examination:28-MAR-2006:13:09 File:28MR068D5
 Experiment:DIOXIN Function:3 Reference:PFK



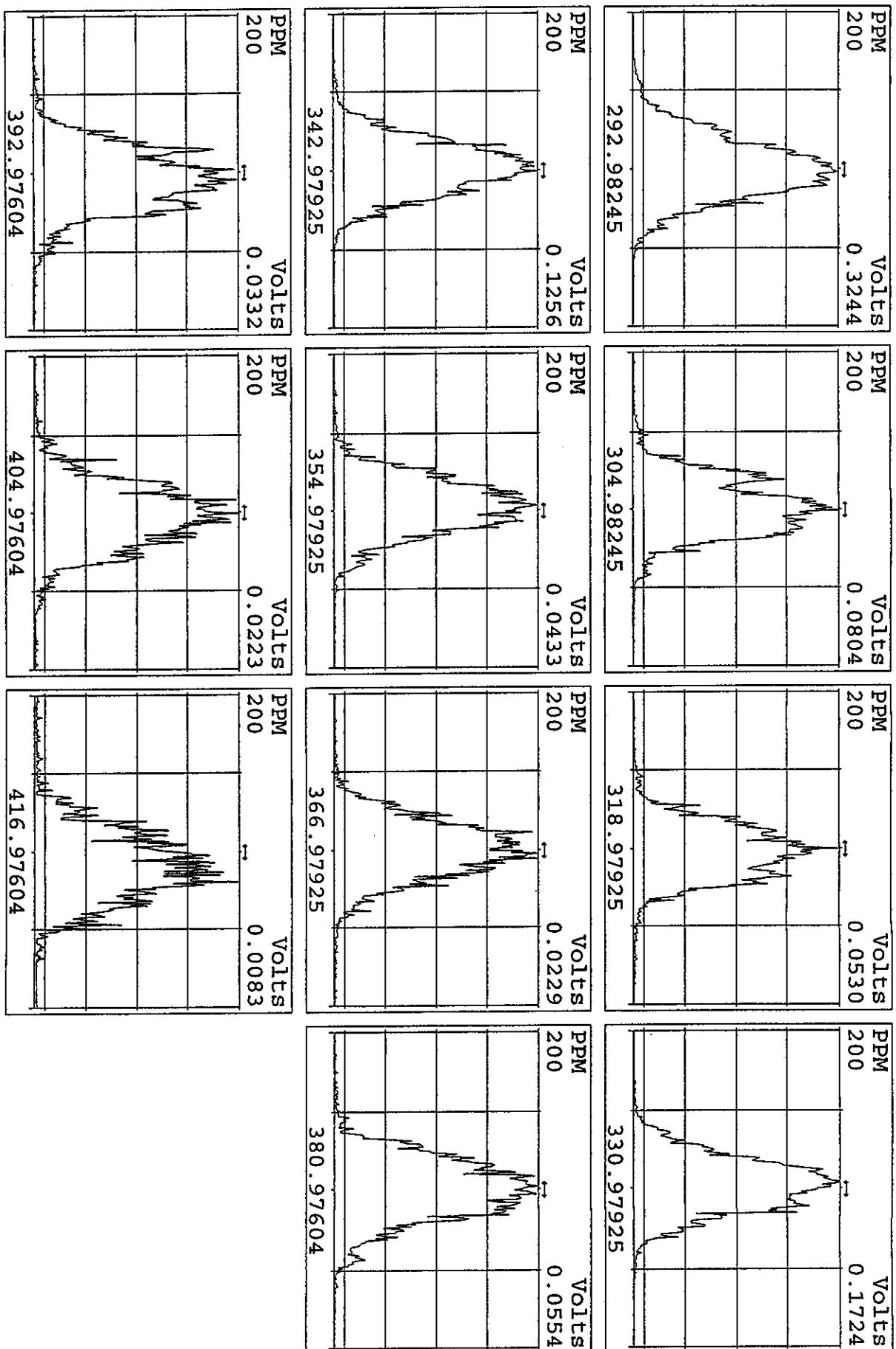
Peak Locate Examination:28-MAR-2006:13:09 File:28MR068D5
 Experiment:DIOXIN Function:4 Reference:PFK



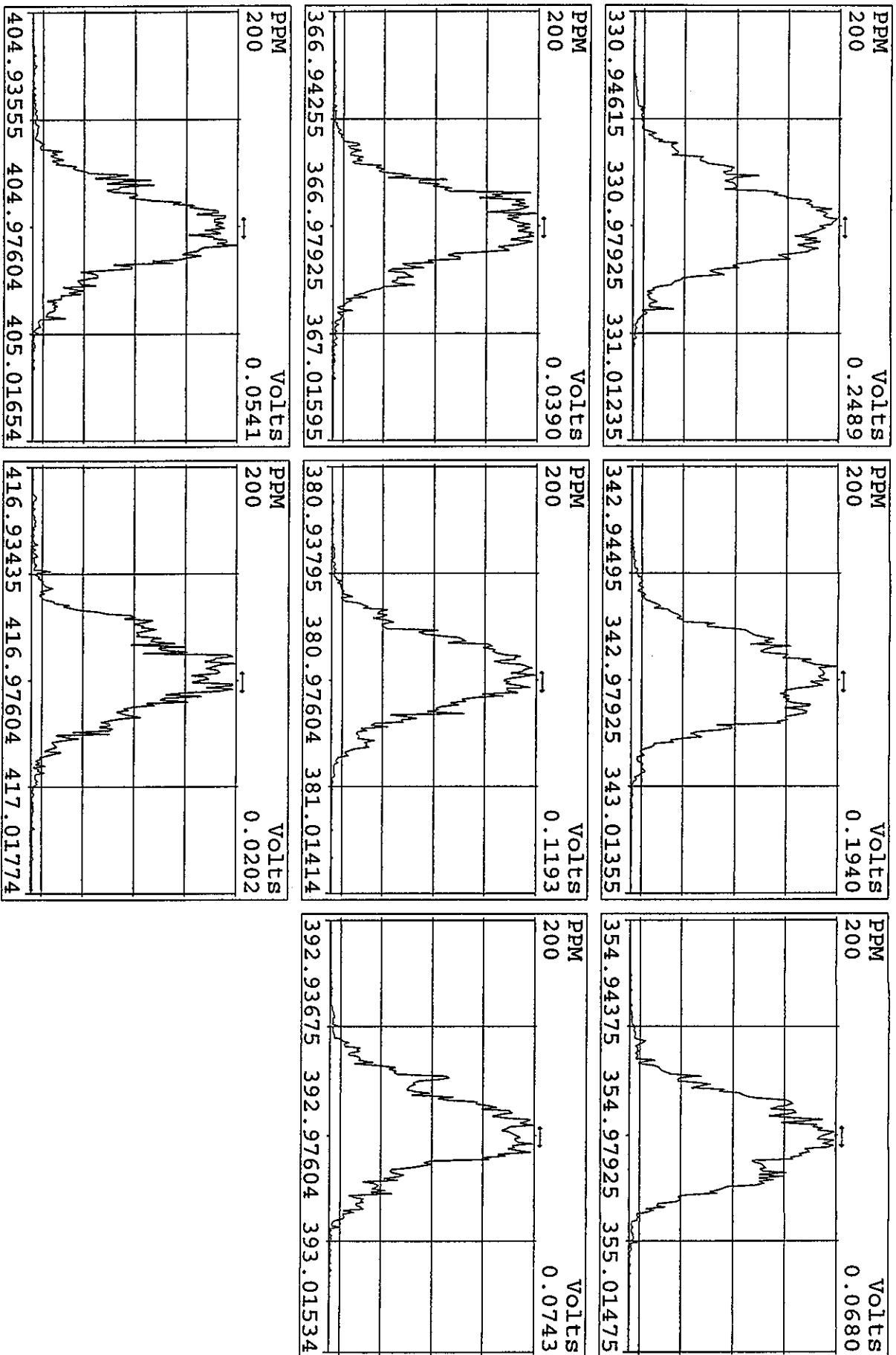
Peak Locate Examination:28-MAR-2006:13:10 File:28MR068D5
 Experiment:DIOXIN Function:5 Reference:PFK



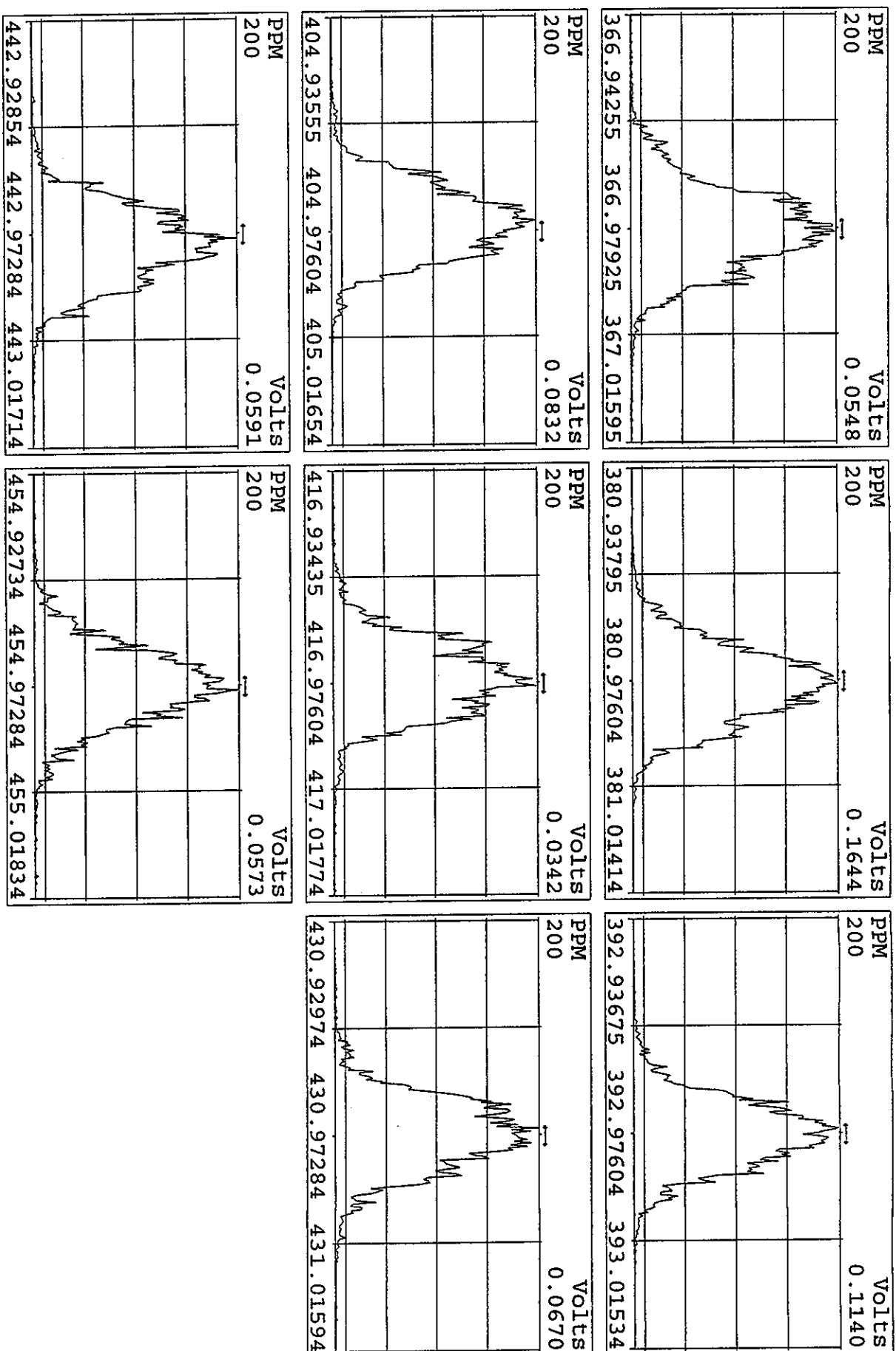
Peak Locate Examination: 28-MAR-2006:19:12 File: ENDRESCHK28MR068D5
Experiment:DIOXIN Function:1 Reference:PFK



Peak Locate Examination: 28-MAR-2006:19:12 File:ENDRESCHK28MR068D5
 Experiment:DIOXIN Function:2 Reference:PFK



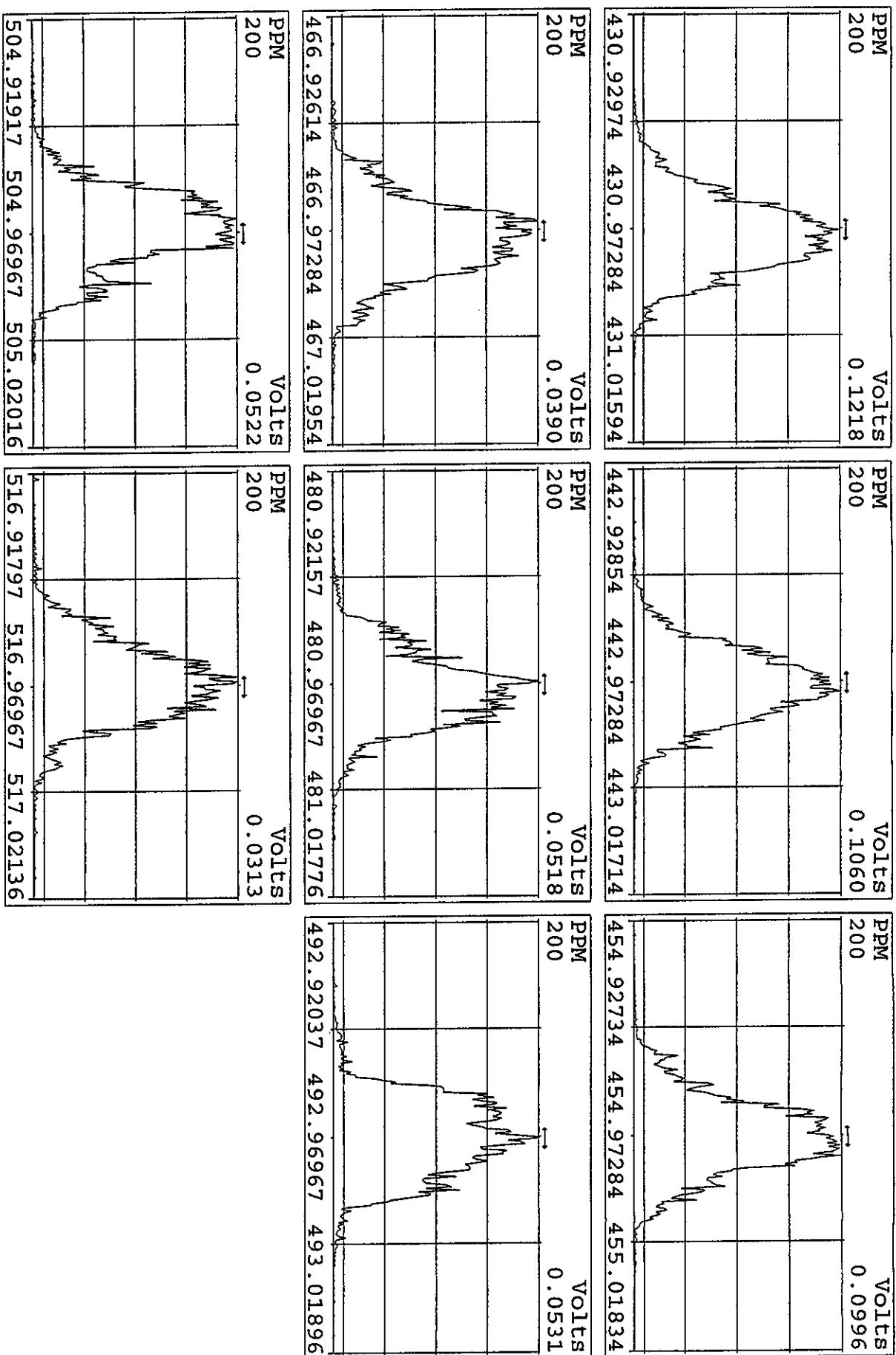
Peak Locate Examination:28-MAR-2006:19:13 File:ENDRESCHK28MR068D5
 Experiment:DIOXIN Function:3 Reference:PFK



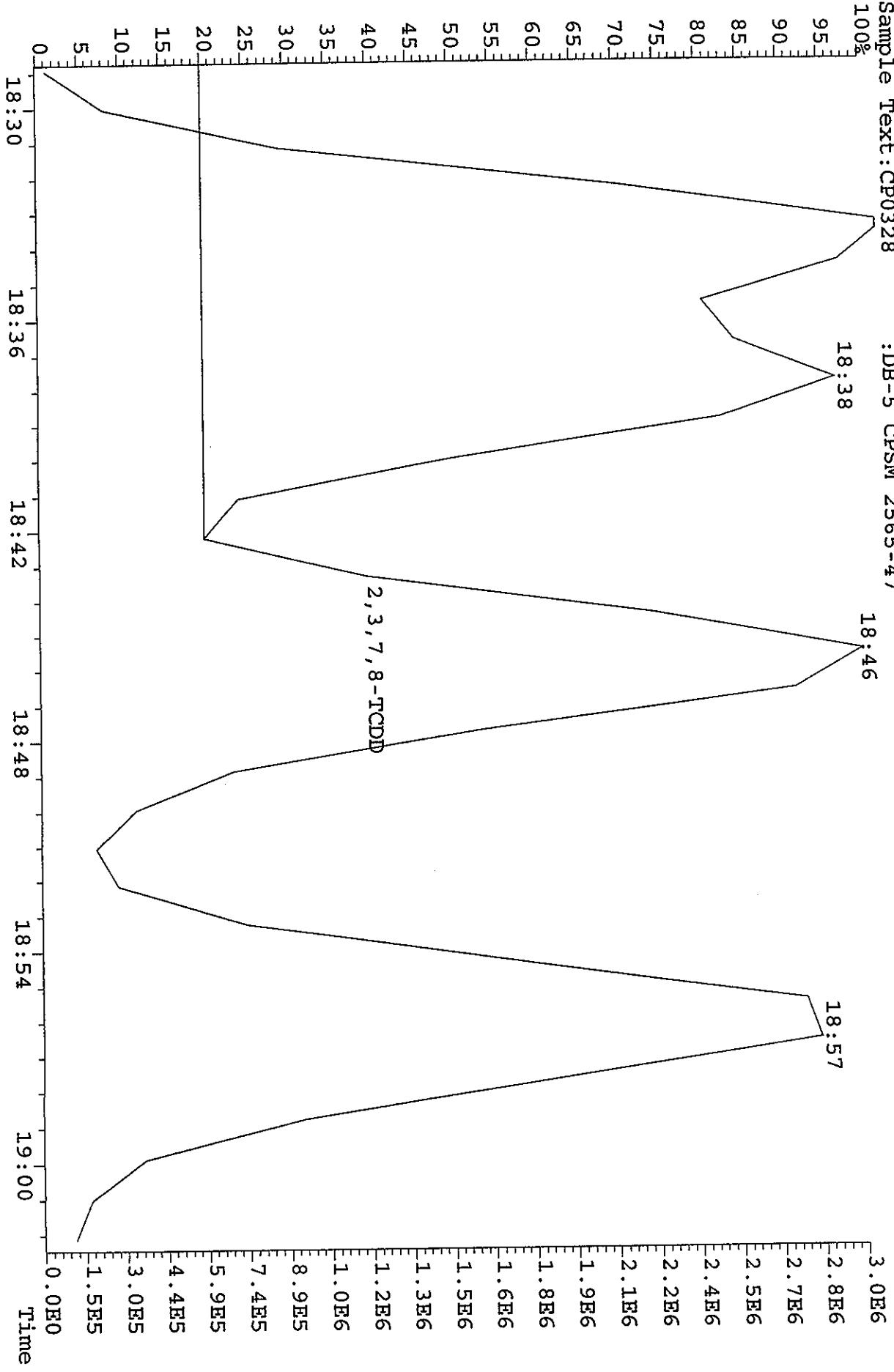
Peak Locate Examination:28-MAR-2006:19:13 File:ENDRESCHK28MR068D5
 Experiment:DIOXIN Function:4 Reference:PFK

PPM 200	Volts 0.1142	PPM 200	Volts 0.0451	PPM 200	Volts 0.0966
404.93555	404.97604	405.01654	416.93435	416.97604	417.01774
PPM 200	Volts 0.0893	PPM 200	Volts 0.0865	PPM 200	Volts 0.0305
442.92854	442.97284	443.01714	454.92734	454.97284	455.01834
PPM 200	Volts 0.0397				
480.92157	480.96967	481.01776	466.92614	466.97284	467.01954

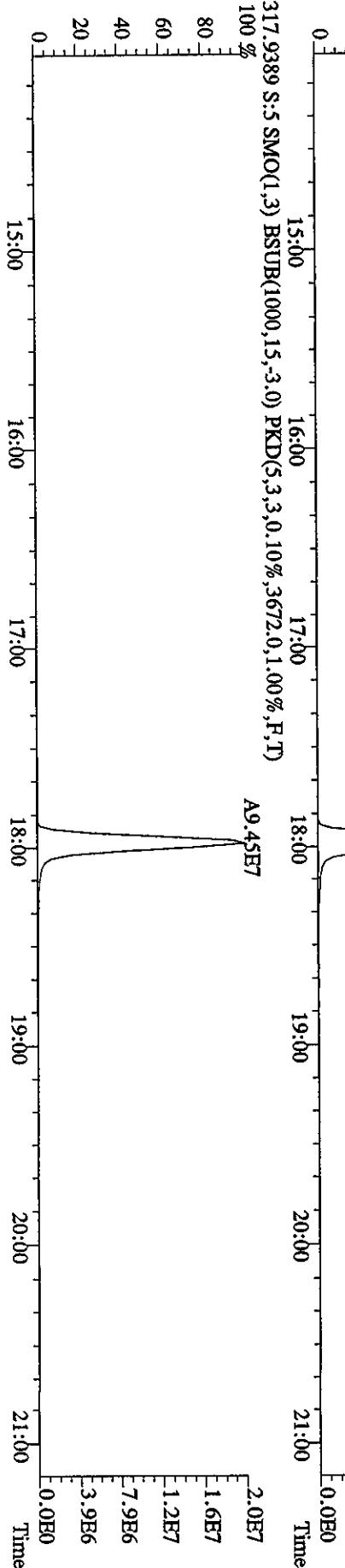
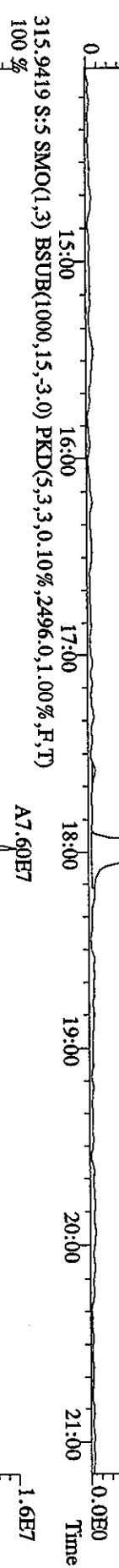
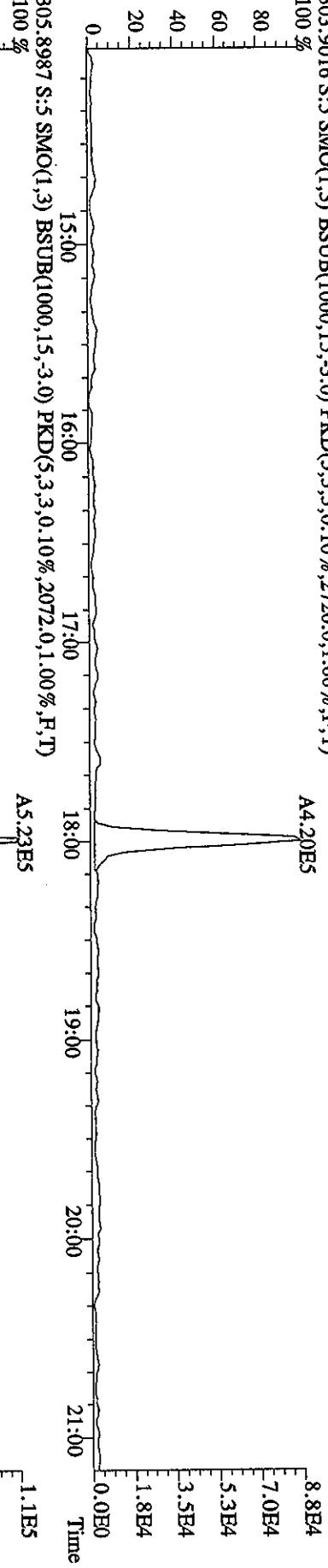
Peak Locate Examination: 28-MAR-2006:19:14 File: ENDRESCHK28MR068D5
 Experiment:DIOXIN Function:5 Reference:PFK



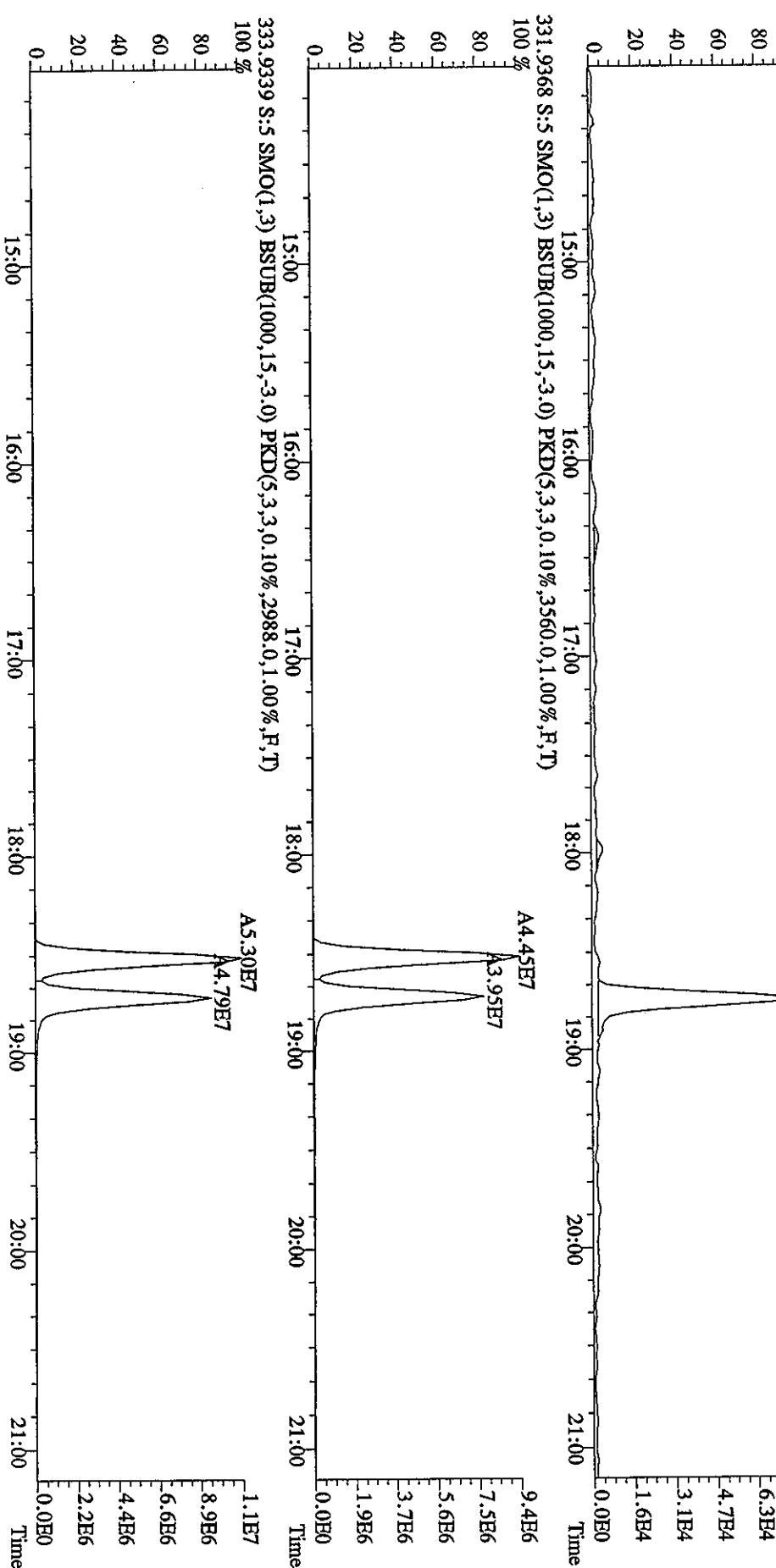
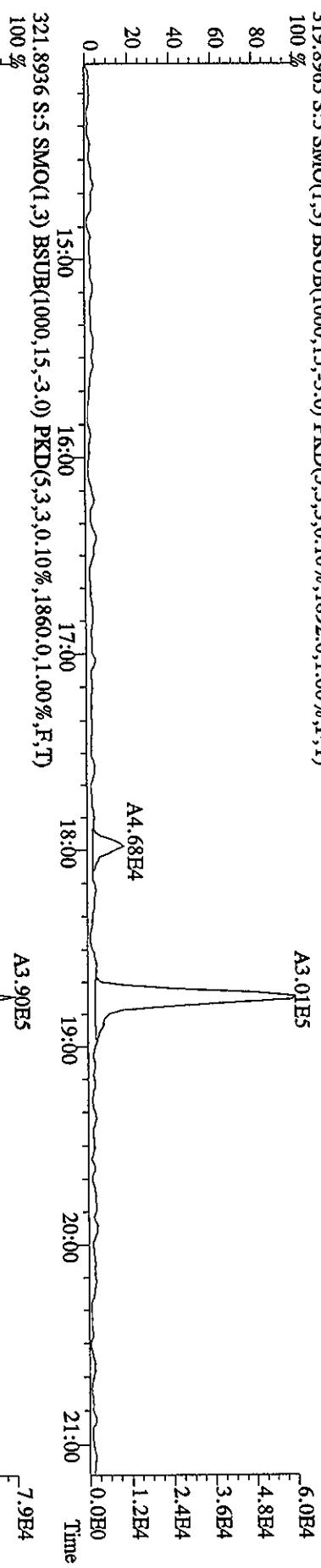
File:28MR068D5 #1-388 ACQ:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 S:2 BSUB(128,15,-3.0) EXP:DIOXIN Noise:577
Sample Text:CP0328 :DB-5 CPSM 2565-47



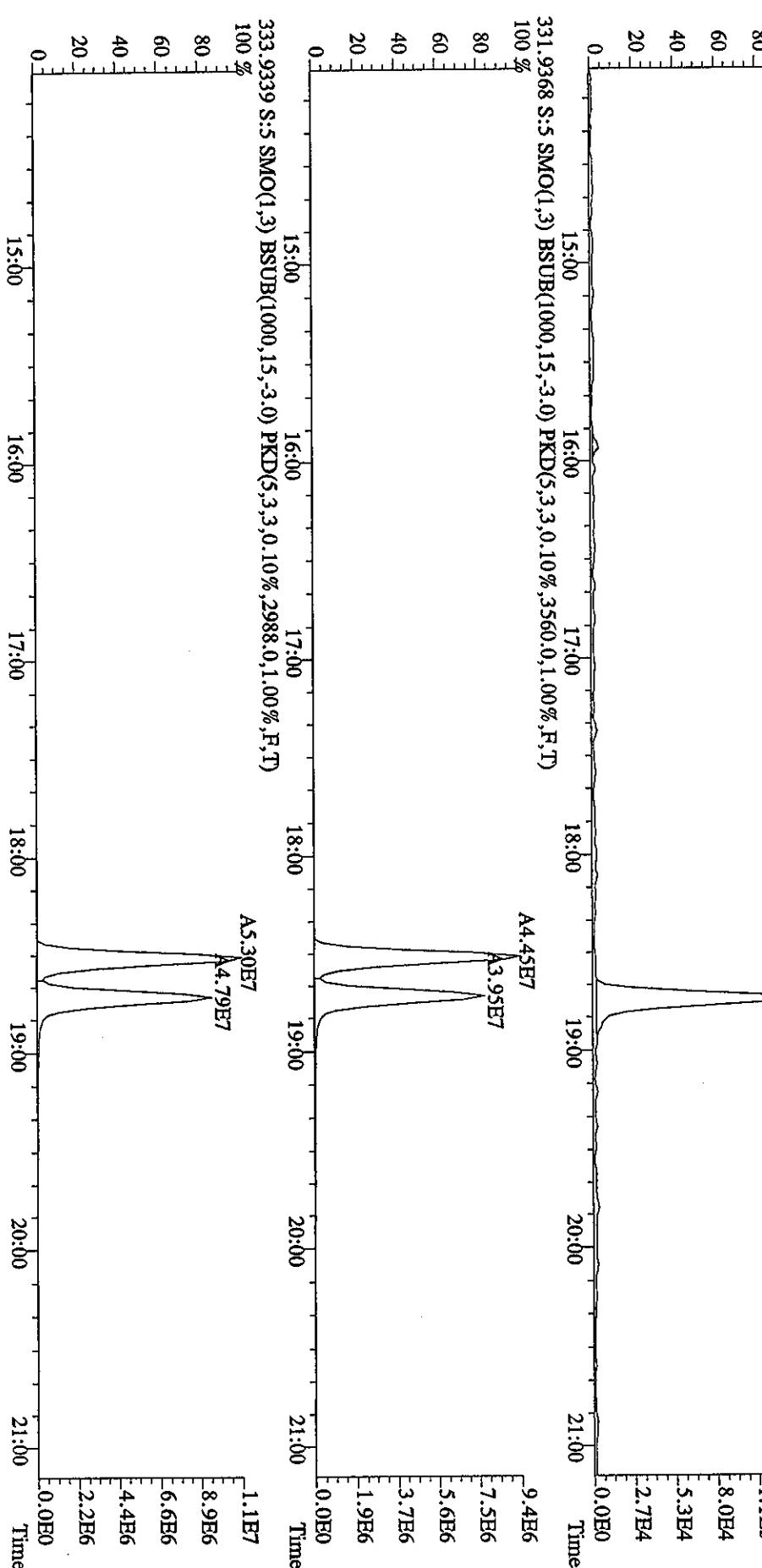
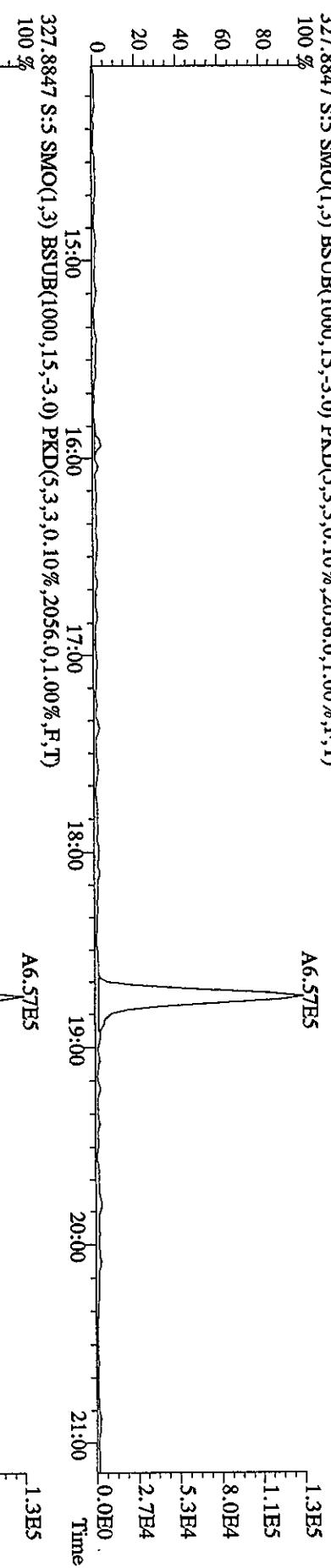
File:28MR068D5 #1-388 Act:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0328C :CS1 2565-41A Exp:DIOXIN
 303,9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2720.0,1.00%,F,T)
 100 %
 80
 60
 40
 20
 0



File:28MR068D5 #1-388 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0328C :CS1 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)



File:28MR068D5 #1-388 Acq:28-MAR-2006 15:58:35 GC El+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0328C :CS1 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)



File:28MR068D5 #1484 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C Exp:DIOXIN

:CS1 2565-41A :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 % A2.55E6

A2.67E6

3.6E5

2.9E5

2.1E5

1.4E5

7.1E4

2.2E5

1.8E5

1.3E5

9.0E4

4.5E4

0.0E0

Time

341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1772.0,1.00%,F,T)

A1.60E6

A1.65E6

2.2E5
1.8E5
1.3E5
9.0E4
4.5E4
0.0E0

Time

351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11624.0,1.00%,F,T)

A8.77E7

A8.48E7

1.2E7
9.3E6
6.9E6
4.6E6
2.3E6
0.0E0

Time

353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4616.0,1.00%,F,T)

A5.45E7

A5.22E7

7.2E6
5.7E6
4.3E6
2.9E6
1.4E6
0.0E0

Time

22:00 23:00 24:00 25:00 26:00 27:00 28:00 Time

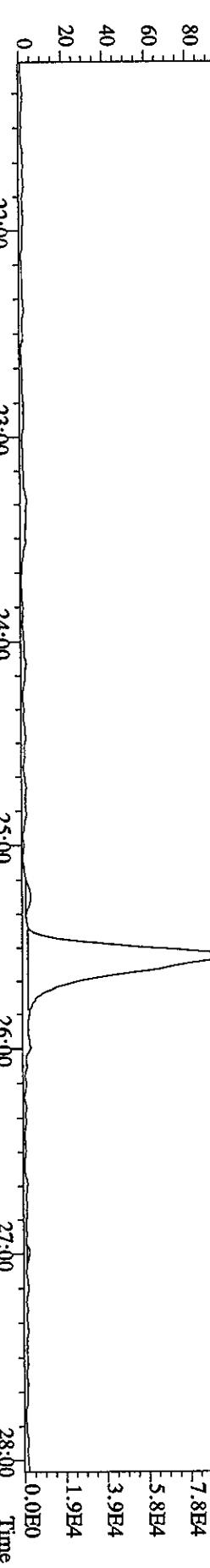
File:28MR068D5 #1 484 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C :CS1 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)



357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1664.0,1.00%,F,T)

A.7E4
7.8E4
5.8E4
3.9E4
1.9E4
0.0E0



367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836.0,1.00%,F,T)

4.4E6
3.5E6
2.7E6
1.8E6
8.9E5
0.0E0



369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3260.0,1.00%,F,T)

2.7E6
2.2E6
1.6E6
1.1E6
5.5E5
0.0E0

File:28MR068D5 #1-378 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C :CS1 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 %
80
60
40
20
0

A2.20E6

A2.18E6

A1.81E6

4.6E5
3.7E5
2.7E5
1.8E5
9.1E4
0.0E0

Time

375,8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)

100 %
80
60
40
20
0

A2.12E6

A1.69E6

A1.44E6

3.8E5
3.0E5
2.3E5
1.5E5
7.5E4
0.0E0

Time

383,8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)

100 %
80
60
40
20
0

A4.93E7

A4.27E7

A3.44E7

8.6E6
6.9E6
5.2E6
3.5E6
1.7E6
0.0E0

Time

385,8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2232.0,1.00%,F,T)

100 %
80
60
40
20
0

A9.23E7

A7.92E7

A6.44E7

1.6E7
1.3E7
9.7E6
6.5E6
3.2E6
0.0E0

Time

29:00

30:00

31:00

32:00

33:00

Time

File:28MR068D5 #1378 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C :CS1 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 %

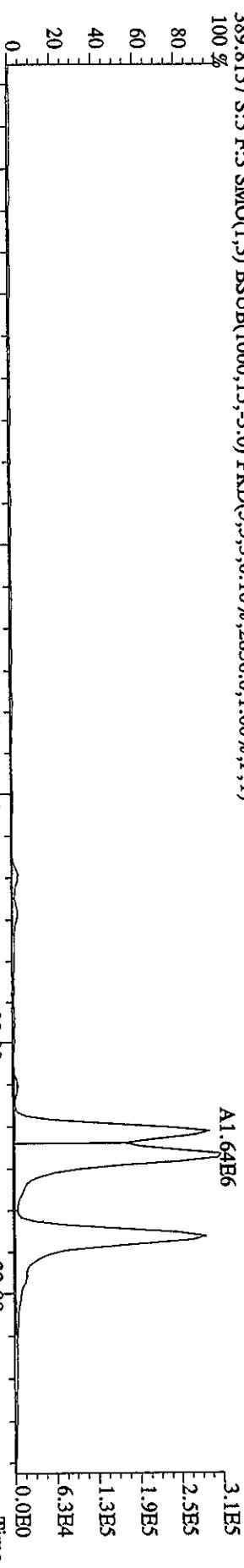
80

60

40

20

0



391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2136.0,1.00%,F,T)

100 %

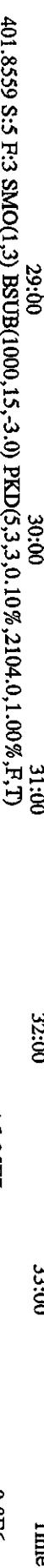
80

60

40

20

0



401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2104.0,1.00%,F,T)

100 %

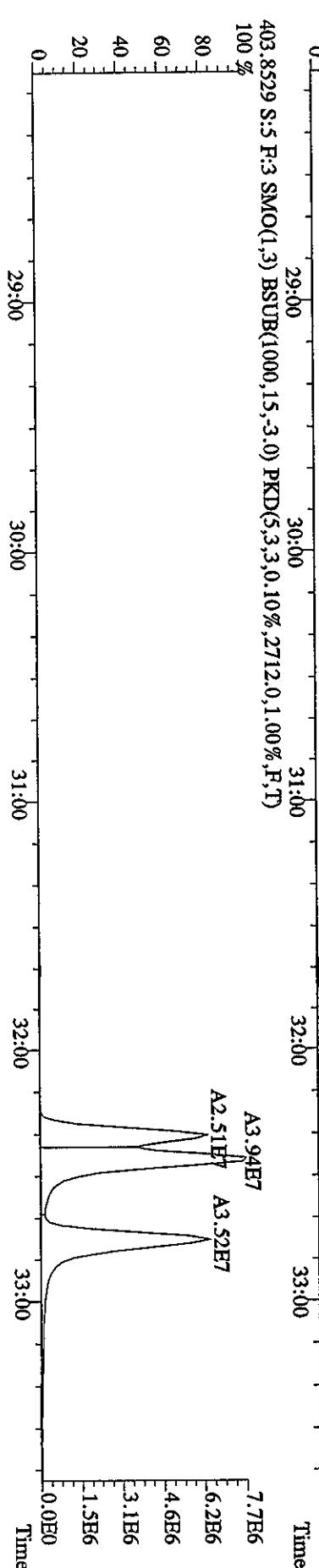
80

60

40

20

0



403.8329 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2712.0,1.00%,F,T)

100 %

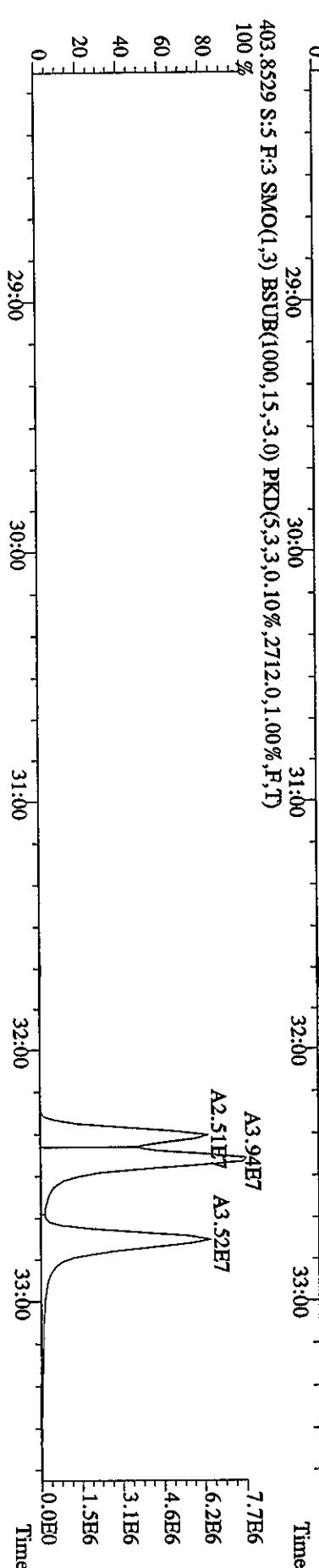
80

60

40

20

0



File:28MR068D5 #1-217 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C :CS1 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)

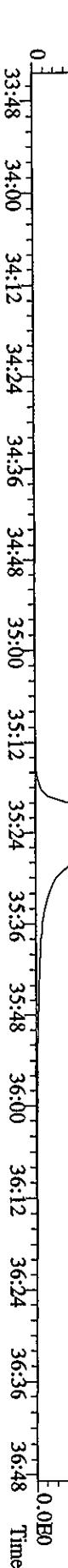
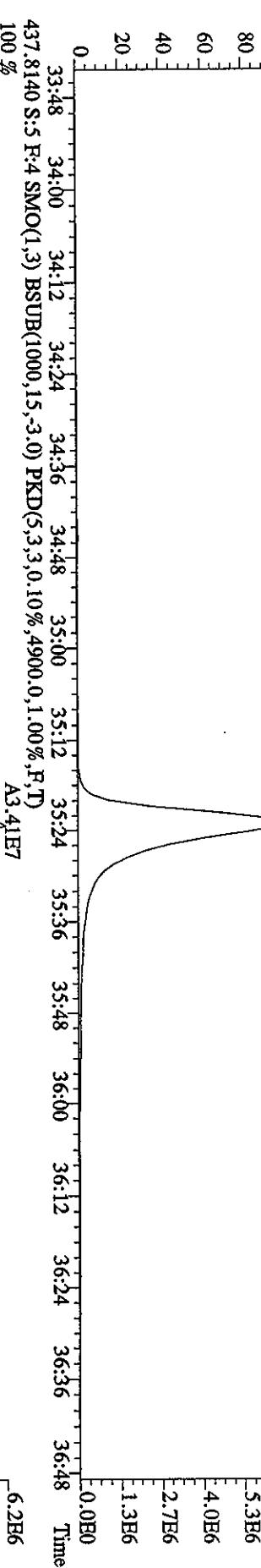
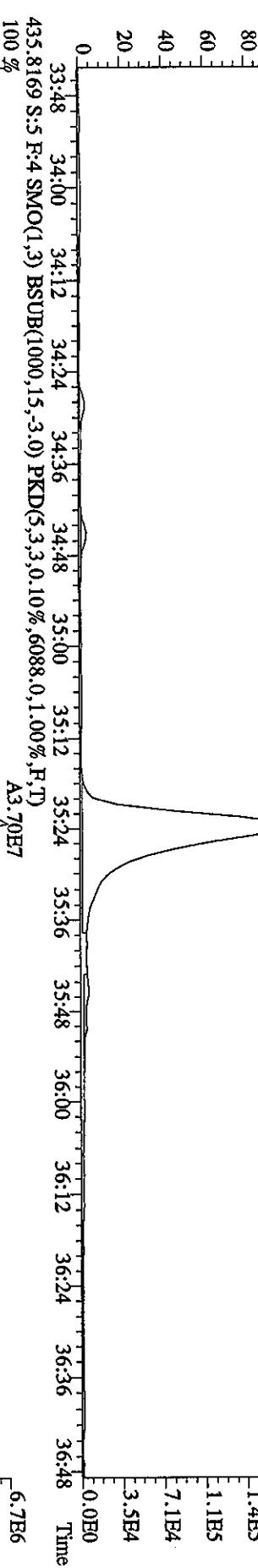
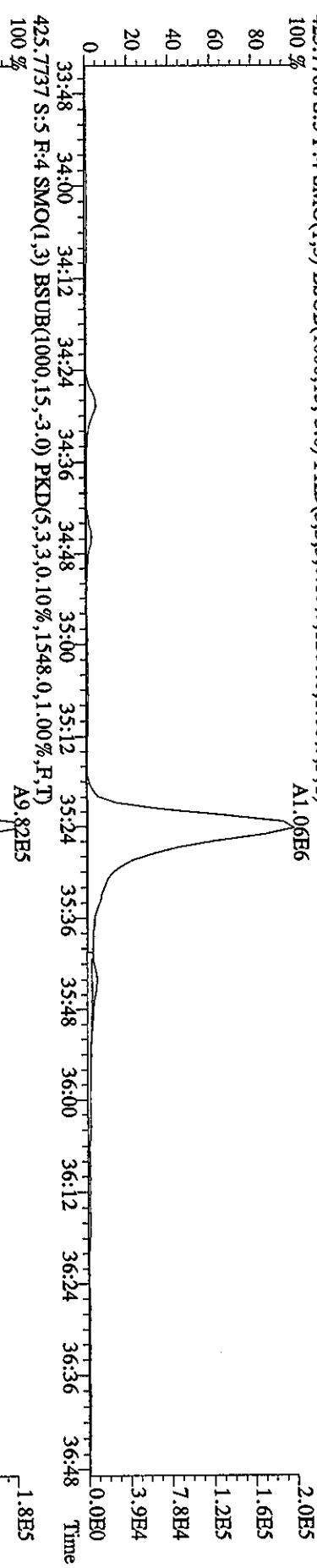
100 % A1.89E6

3.9E5
3.1E5
2.3E5
1.5E5
7.7E4

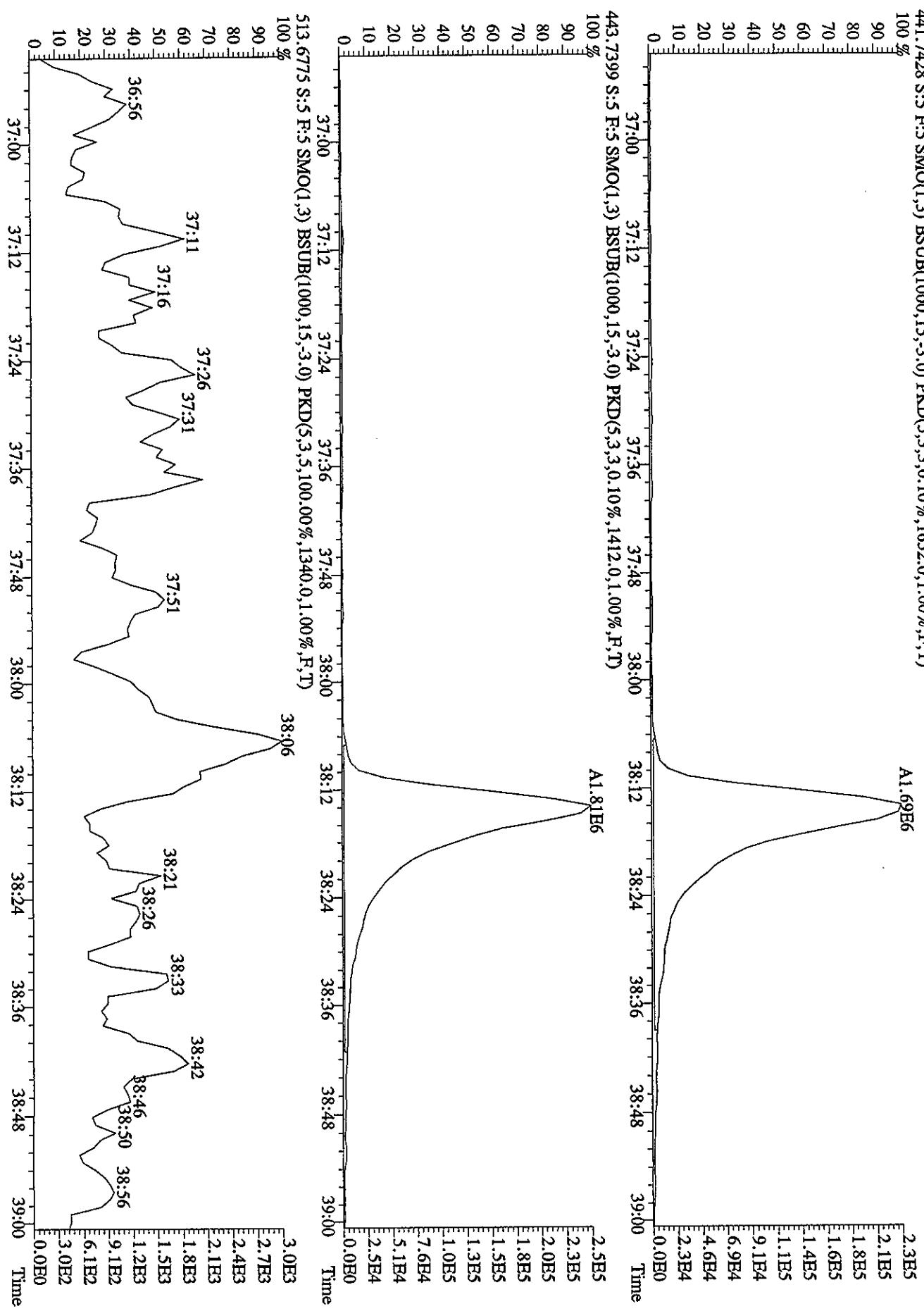
A1.40E6

3.9E5
3.1E5
2.3E5
1.5E5
7.7E4

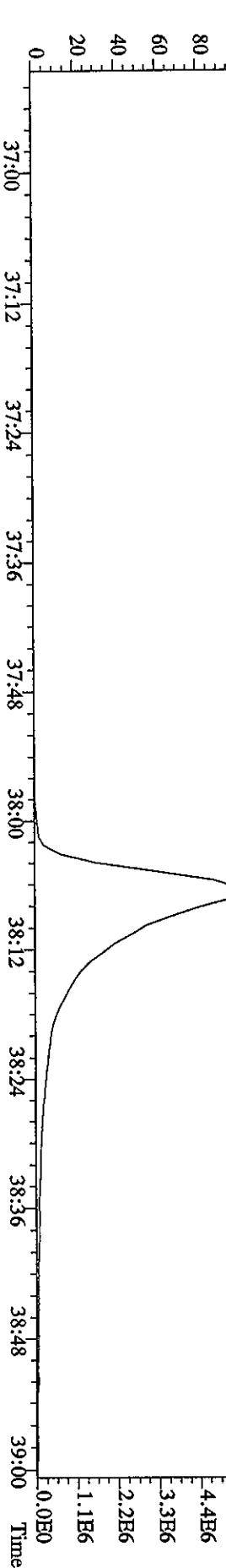
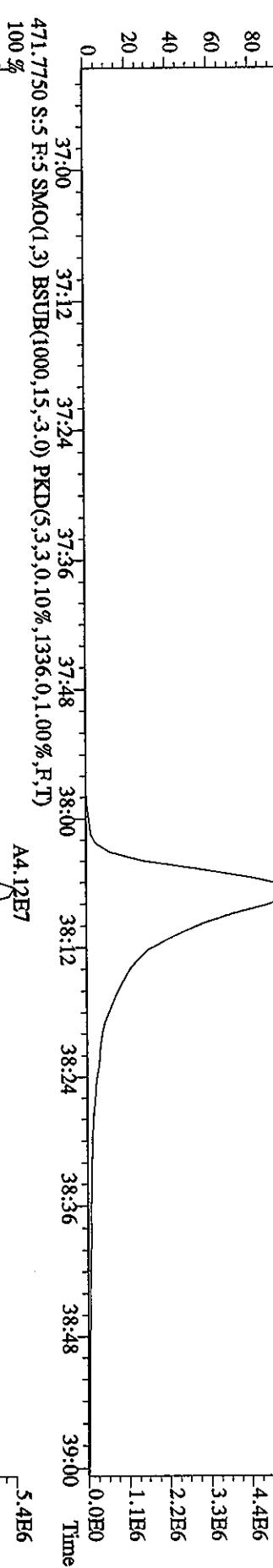
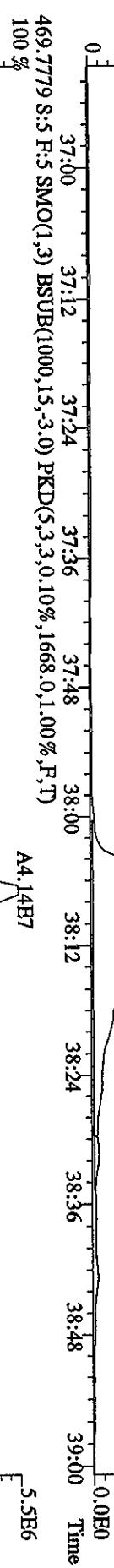
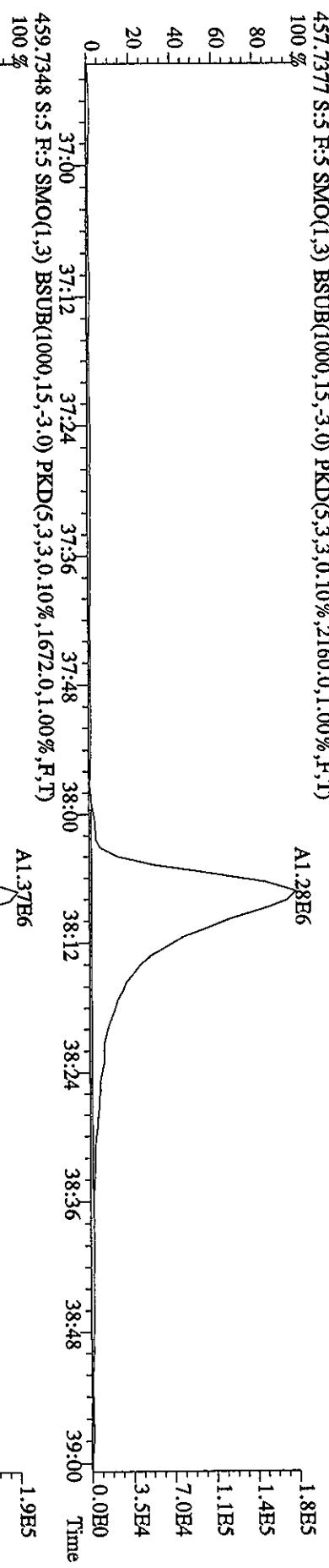
File:28MR068D5 #1-217 Act:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0328C :CS1 2565-41A Exp:DIOXIN
 423.7766 S:5 R:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1280.0,1.00%,F,T)
 A1.06E6



File:23MR068D5 #1-157 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE
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 Act:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0328C :CS1 2565-41A Exp:DIOXIN
 457.7377 S:5 R:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2160.0,1.00%,F,T)



File:28MR068D5 #1-388 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C :CS1 2565-41A Exp:DIOXIN

292.9825 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.01.00%,F,T)

100 % 14:18 14:42 15:09 15:38 16:05 16:13 16:46 17:09 17:42 18:23 19:03 19:27 20:02 20:22 20:59 4.3E7
80 14:42 15:09 15:38 16:05 16:13 16:46 17:09 17:42 18:23 18:44 19:03 19:27 20:02 20:22 3.5E7
60 15:09 15:38 16:05 16:13 16:46 17:09 17:42 18:23 18:44 19:03 19:27 20:02 20:22 2.6E7
40 15:38 16:05 16:13 16:46 17:09 17:42 18:23 18:44 19:03 19:27 20:02 20:22 1.7E7
20 16:05 16:13 16:46 17:09 17:42 18:23 18:44 19:03 19:27 20:02 20:22 8.6E6
0 16:46 17:09 17:42 18:23 18:44 19:03 19:27 20:02 20:22 0.0E0

303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2720.0,1.00%,F,T)

A4.20E5

100 %
80
60
40
20
0

15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

1.1E5
8.7E4
6.5E4
4.4E4
2.2E4
0.0E0

305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2720.0,1.00%,F,T)

A5.23E5

100 %
80
60
40
20
0

15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

1.1E5
8.7E4
6.5E4
4.4E4
2.2E4
0.0E0

375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1672.0,1.00%,F,T)

19:54
3.0E3
2.4E3
1.8E3
1.2E3
6.1E2
0.0E0

100 %
80
60
40
20
0

14:20 14:35 15:01 15:25 15:41 15:52 16:13 16:39 16:47 17:22 17:58 18:10 18:32 18:51 19:04 19:17 19:30 19:52 20:25 20:56
15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

1.1E5
8.7E4
6.5E4
4.4E4
2.2E4
0.0E0

330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.01.00%,F,T)

100 % 14:29 15:04 15:42 16:26 16:50 17:34 18:10 18:33 19:10 19:52 20:25 20:57 2.2E7
80 15:04 15:42 16:26 16:50 17:34 18:10 18:33 19:10 19:52 20:25 20:57 1.8E7
60 16:26 16:50 17:34 18:10 18:33 19:10 19:52 20:25 20:57 1.3E7
40 16:50 17:34 18:10 18:33 19:10 19:52 20:25 20:57 9.0E6
20 17:34 18:10 18:33 19:10 19:52 20:25 20:57 4.5E6
0 18:10 18:33 19:10 19:52 20:25 20:57 0.0E0

15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

File:28MR068D5 #1484 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST0328C :CS1 2565-41A Exp:DIOXIN

342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,R,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 2.9E7

80 22:00 23:00 24:00 25:00 26:00 27:00 28:00 Time 2.3E7

60 339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,R,T) 1.8E7

40 A2.55E6 1.2E7

20 22:00 23:00 24:00 25:00 26:00 27:00 28:00 Time 5.8E6

0 3.6E5

100 % 2.9E5

80 2.1E5

60 1.4E5

40 7.1E4

20 2.2E5

0 1.8E5

100 % 1.3E5

80 9.0E4

60 4.5E4

40 4.5E3

20 3.6E3

0 2.7E3

100 % 1.8E3

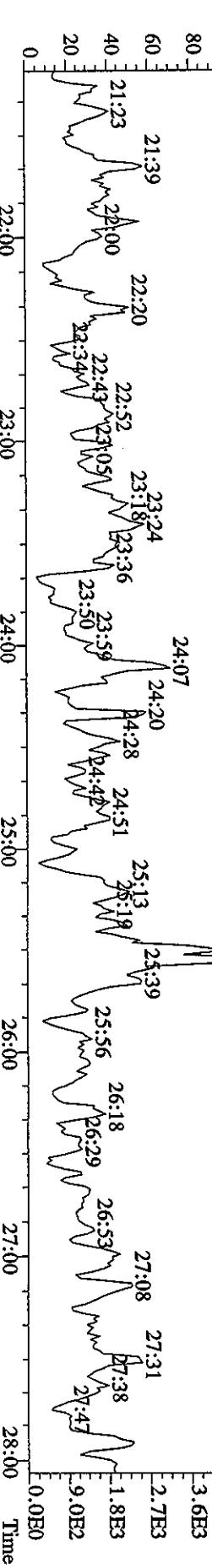
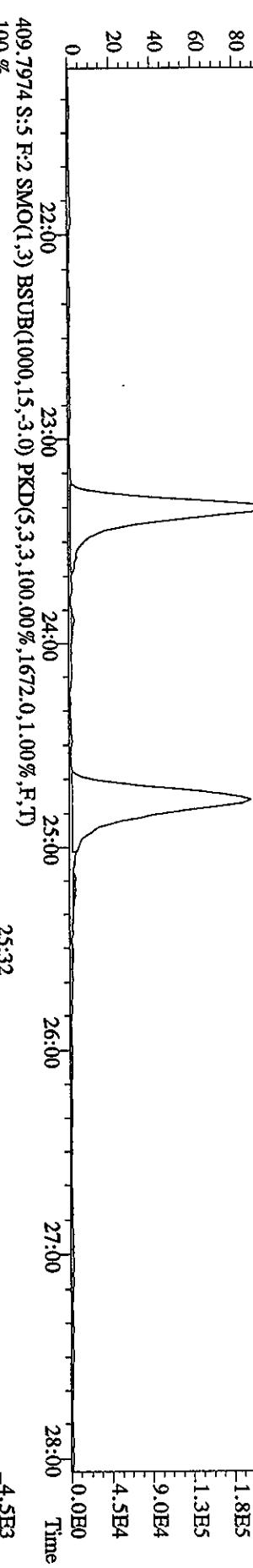
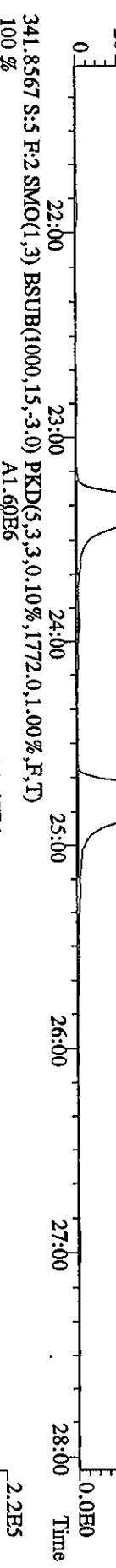
80 9.0E2

60 2.4E2

40 2.4E1

20 2.4E0

0 0.0E0



File:28MR068D5 #1-378 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaB

Sample#5 Text:ST0328C :CS1 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 % 28:25 28:53 29:12 29:43 30:04 30:27 30:49 31:18 31:45 32:03 32:30 32:51 33:14 33:41 1.8E7

80 100 % 28:25 28:53 29:12 29:43 30:04 30:27 30:49 31:18 31:45 32:03 32:30 32:51 33:14 33:41 1.5E7

60 80 100 % 28:25 28:53 29:12 29:43 30:04 30:27 30:49 31:18 31:45 32:03 32:30 32:51 33:14 33:41 1.1E7

40 60 80 100 % 28:25 28:53 29:12 29:43 30:04 30:27 30:49 31:18 31:45 32:03 32:30 32:51 33:14 33:41 7.3E6

20 40 60 80 100 % 28:25 28:53 29:12 29:43 30:04 30:27 30:49 31:18 31:45 32:03 32:30 32:51 33:14 33:41 3.6E6

0 20 40 60 80 100 % 28:25 28:53 29:12 29:43 30:04 30:27 30:49 31:18 31:45 32:03 32:30 32:51 33:14 33:41 0.0E0

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 % A2.20E6 29:00 30:00 31:00 32:00 33:00 Time

80 A2.18E6 4.6E5

60 A1.81E6 3.7E5

40 A1.69E6 2.7E5

20 A1.44E6 1.8E5

0 A1.38E6 9.1E4

3.8E5

3.0E5

2.3E5

1.5E5

7.5E4

9.1E4

0.0E0

375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)

100 % A2.12E6 29:00 30:00 31:00 32:00 33:00 Time

80 A1.69E6 3.8E5

60 A1.44E6 3.0E5

40 A1.38E6 2.3E5

20 A1.32E6 1.5E5

0 A1.25E6 7.5E4

9.1E4

0.0E0

445.7355 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2264.0,1.00%,F,T)

100 % 29:00 30:00 31:00 32:00 33:00 Time

80 31:32 32:26 32:46 5.3E3

60 31:56 32:10 4.3E3

40 32:20 32:26 3.2E3

20 32:28 32:32 2.1E3

0 33:06 33:15 1.1E3

33:13 33:36 2.5E7

20 28:18 28:35 28:52 29:23 29:52 30:28 30:46 2.0E7

40 29:59 30:17 30:43 31:04 31:21 31:44 32:09 1.5E7

60 29:37 30:17 30:43 31:04 31:21 31:44 32:09 1.0E7

80 28:21 28:45 29:04 29:37 29:59 30:17 30:43 31:04 5.1E6

40 29:00 30:00 31:00 32:00 33:00 Time

0 0.0E0

File:28MR068D5 #1-217 Acq:28-MAR-2006 15:58:35 GC EI+ Voltage SIR Autospec-UltimaB

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

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

100 % 33.55 34:10 34:21 34:31 34:50 34:59 35:17 35:34 35:51 36:03 36:16 36:33 36:42 1.5E7

80 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 1.2E7

60 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1464.0,1.00%,F,T) 9.1E6

40 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 6.1E6

20 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 3.0E6

A1.89E6

0 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 0.0E0

A1.40E6

0 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 3.9E5

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) 3.1E5

100 % A1.85E6

0 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 2.3E5

A1.30E6

0 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 1.5E5

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) 7.7E4

100 % 33:49 34:06 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 5.4E3

80 33:48 34:06 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 4.3E3

60 40 33:48 34:06 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 3.2E3

40 20 33:48 34:06 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 2.2E3

80 33:48 34:06 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 1.1E3

20 0 33:48 34:06 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 0.0E0

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

Sample:#5 Text:ST0328C :CS1 256541A Exp:DIOXIN

454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 1.6E7

90 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 1.4E7

80 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 1.3E7

70 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 1.1E7

60 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 9.4E6

50 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 7.9E6

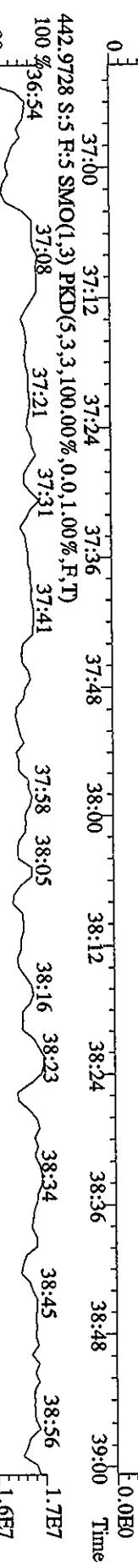
40 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 6.3E6

30 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 4.7E6

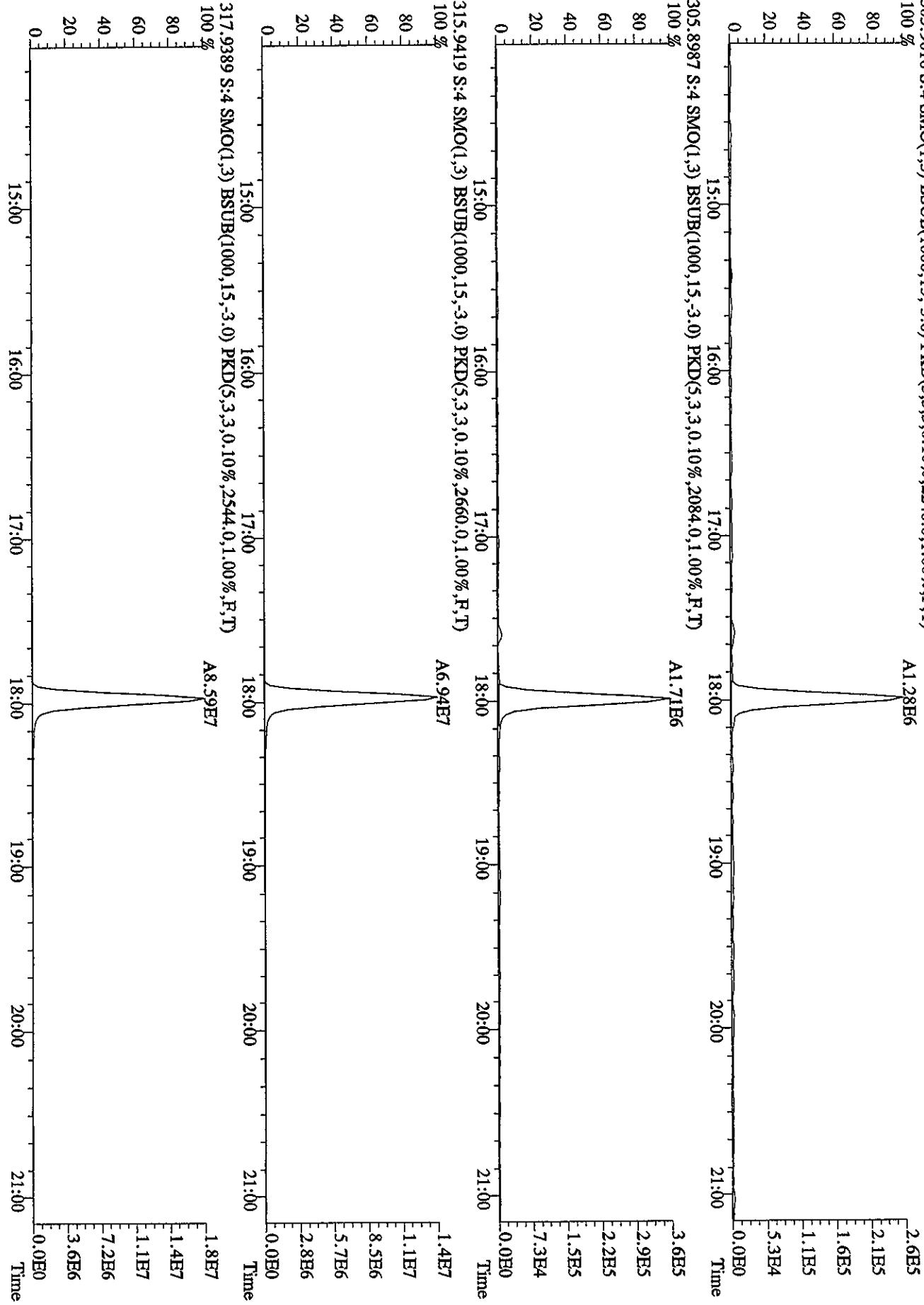
20 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 3.1E6

10 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 1.6E6

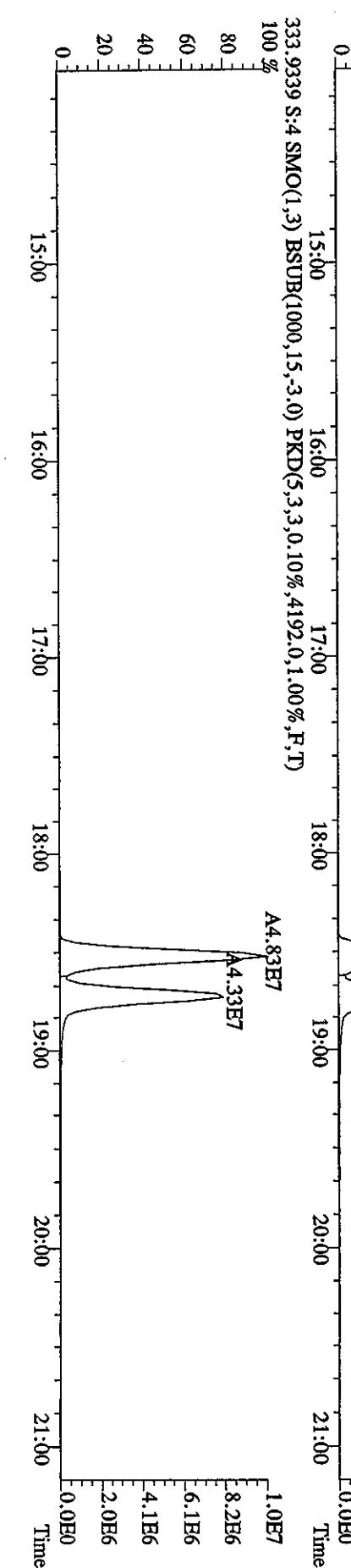
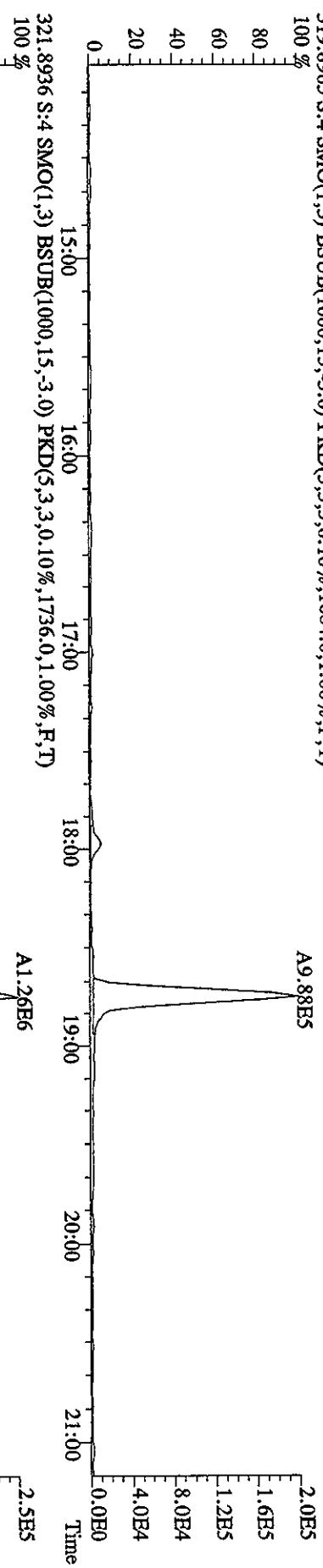
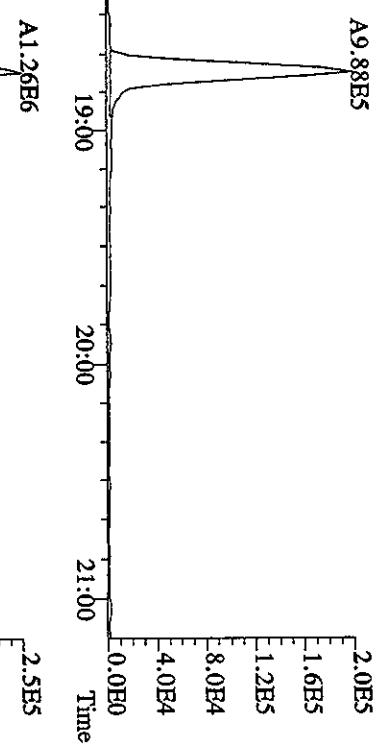
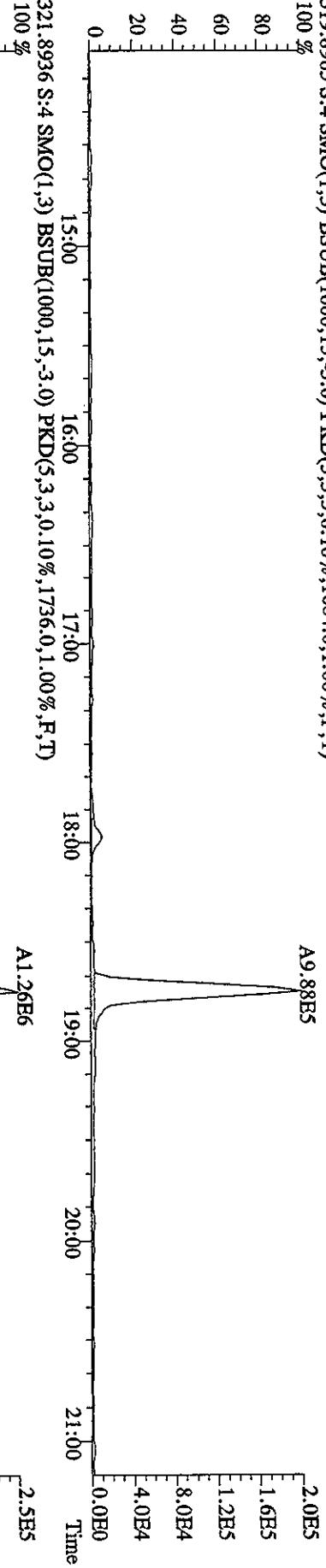
0 37:05 37:11 37:21 37:36 37:47 37:56 38:16 38:31 38:39 38:56 0.0E0



File:28MR068D5 #1-388 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0328B 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)
100 %



File:28MR068D5 #1:388 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 Text:ST0328B 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)
 100 %



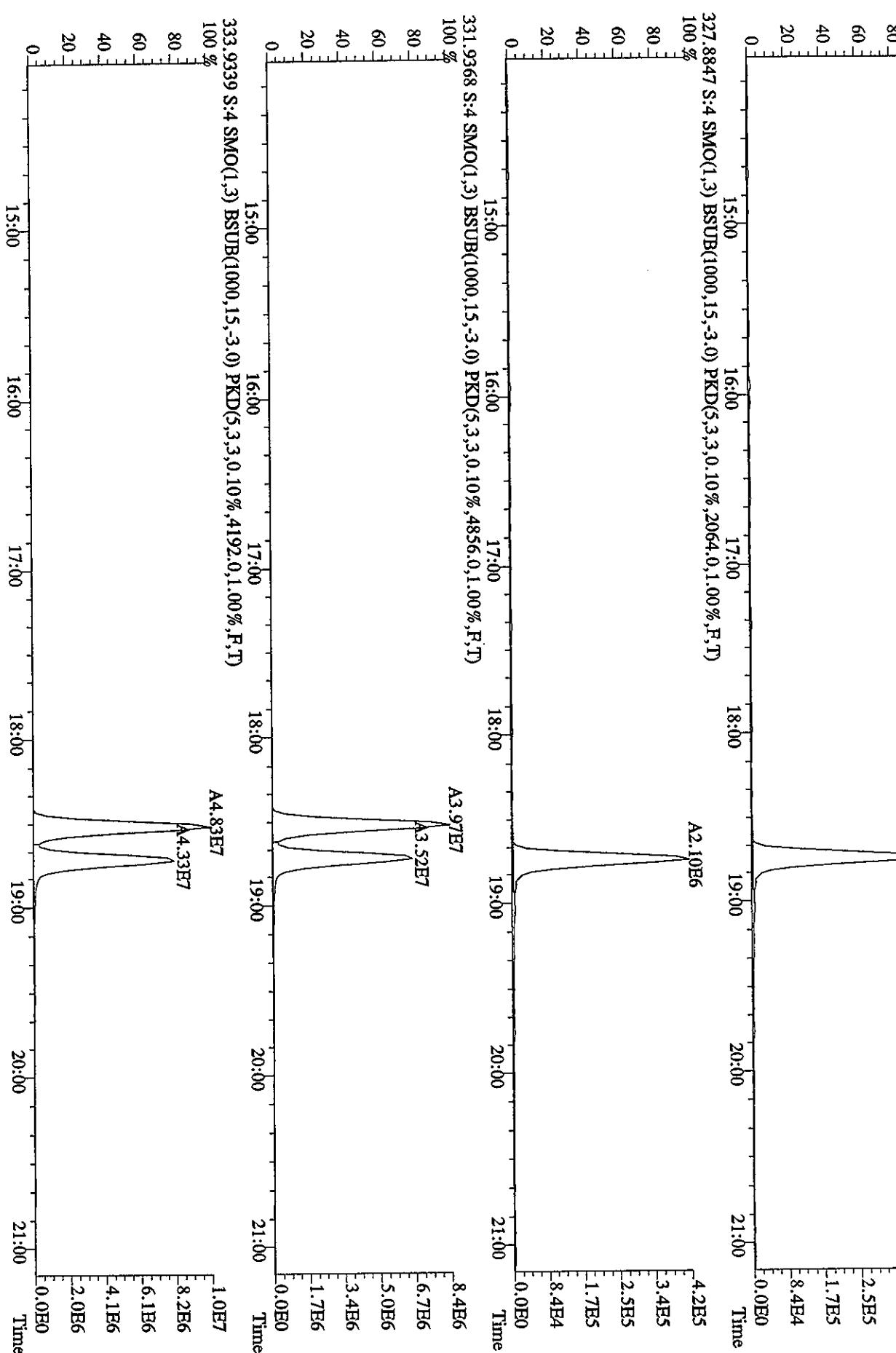
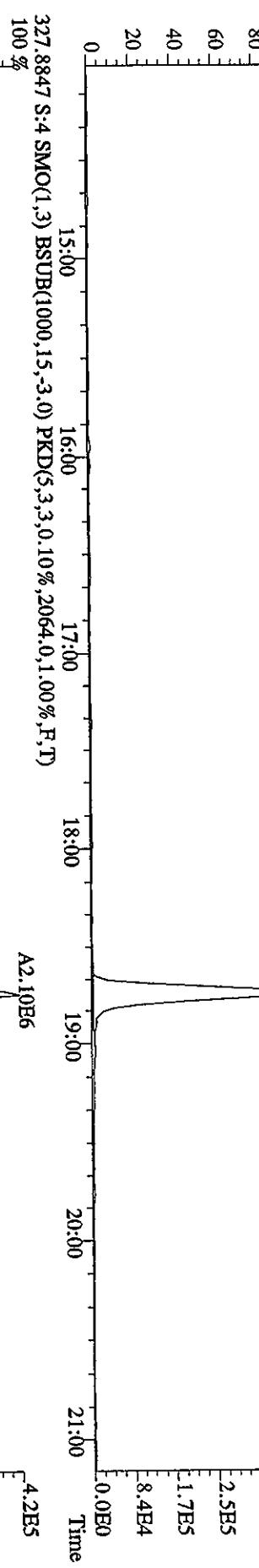
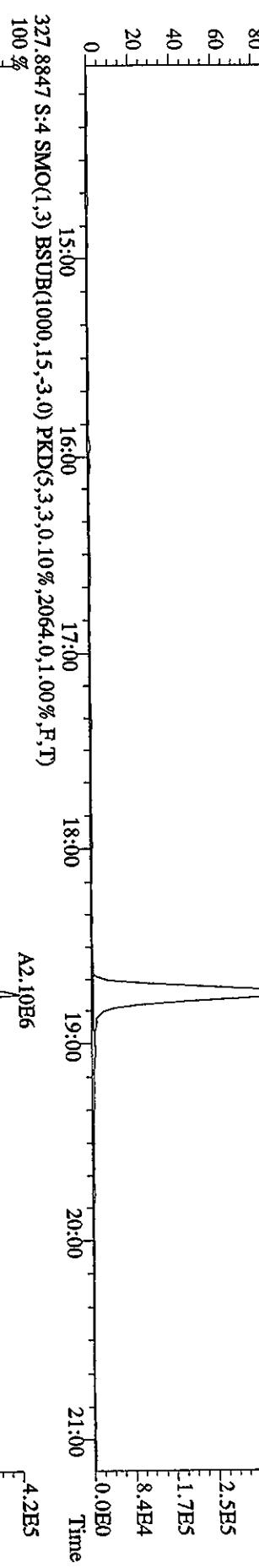
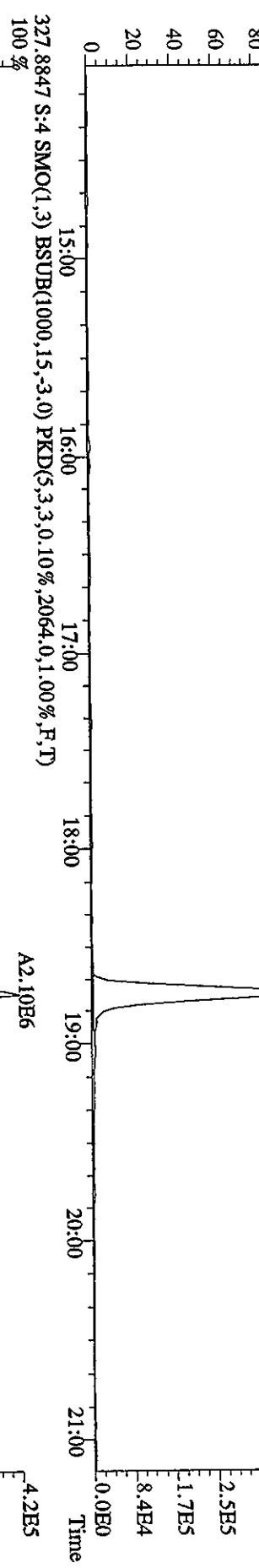
File:28MR068D5 #1-388 Acq:28-MAR-2006 15:16:46 GC El+ Voltage SIR Autospec-UltimaE

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

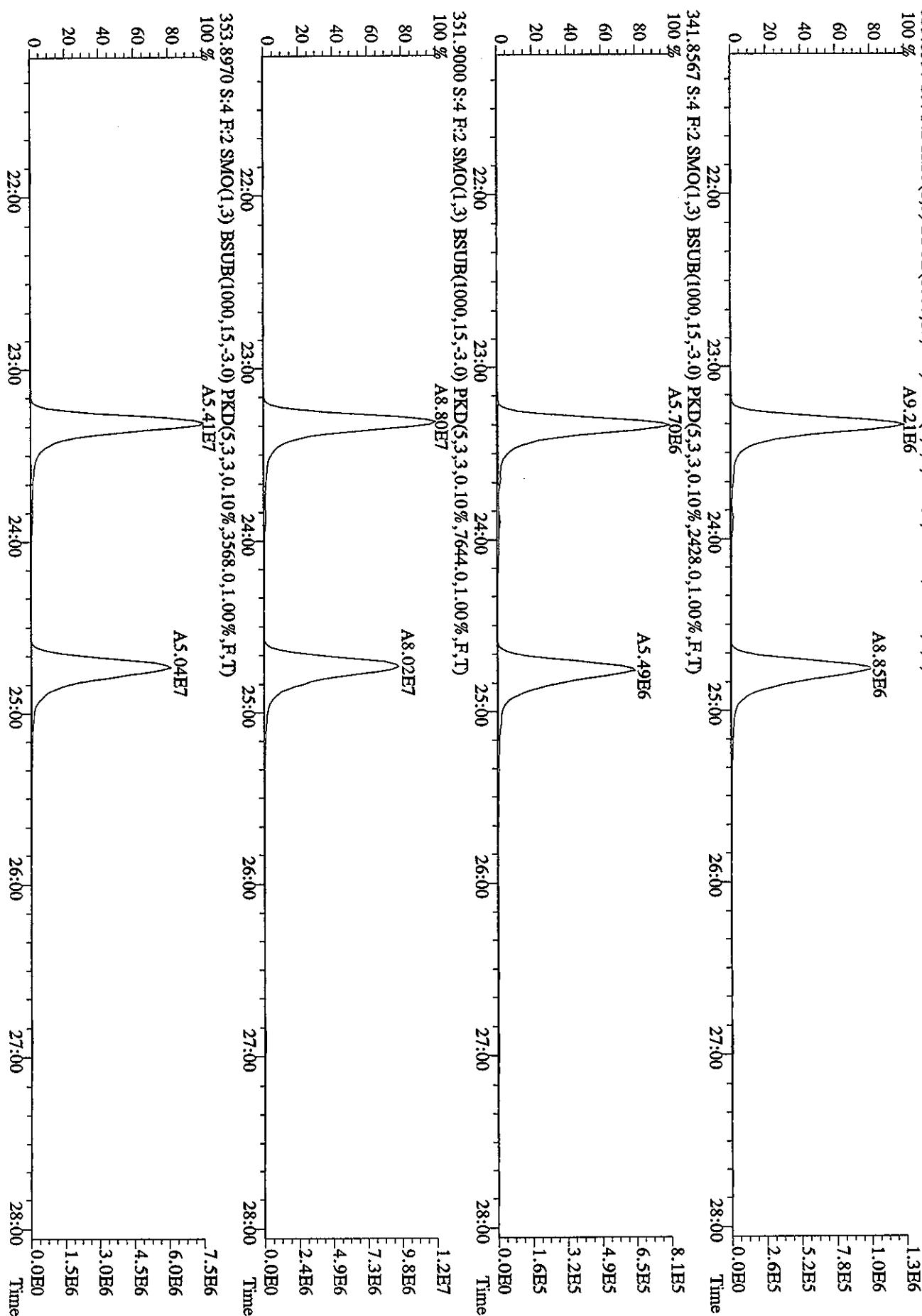
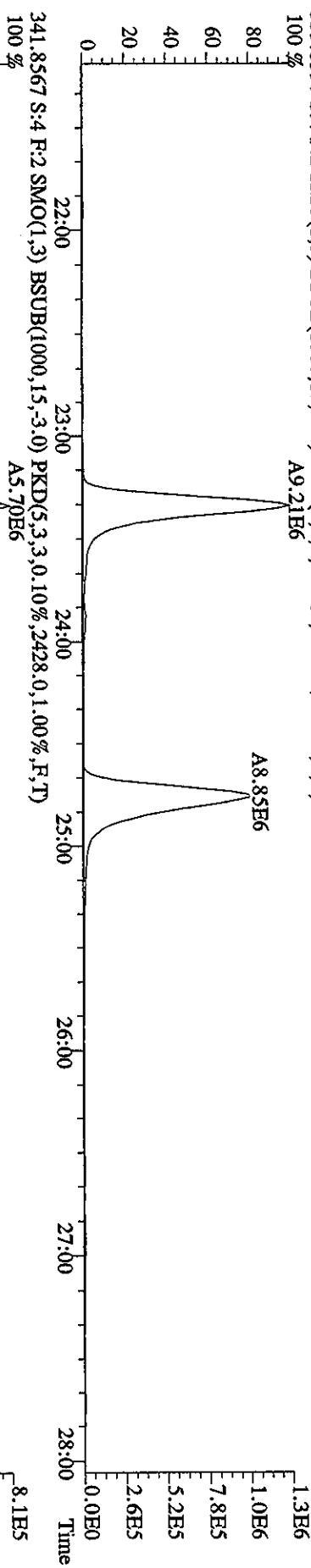
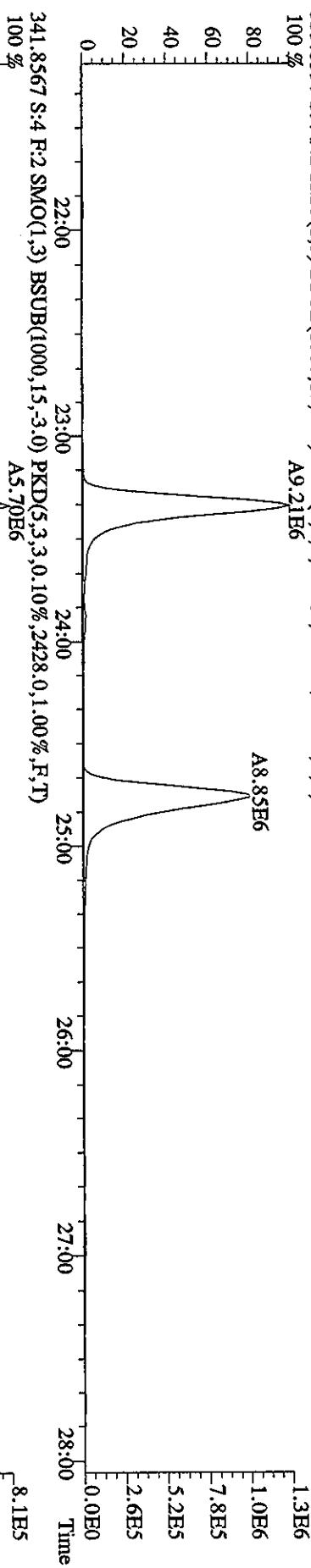
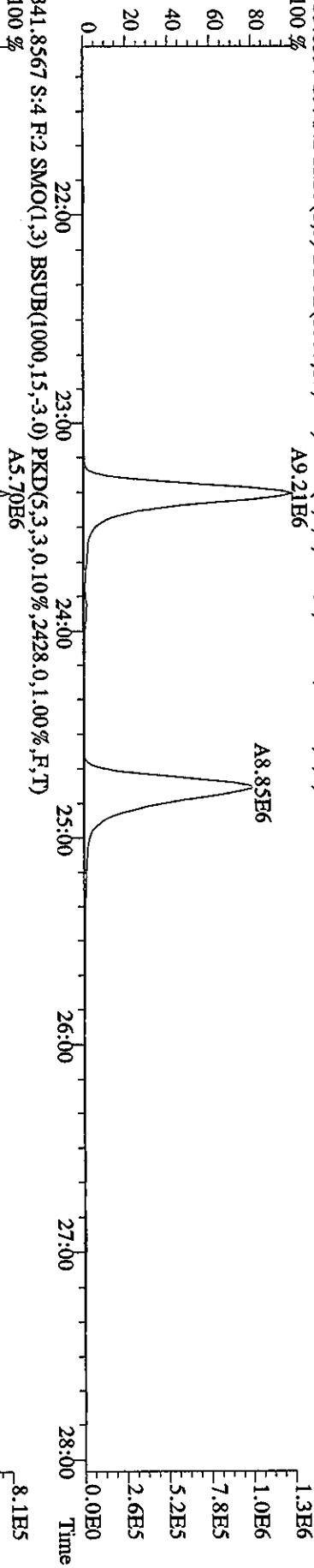
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2064,0,1.00%,F,T)

100 %

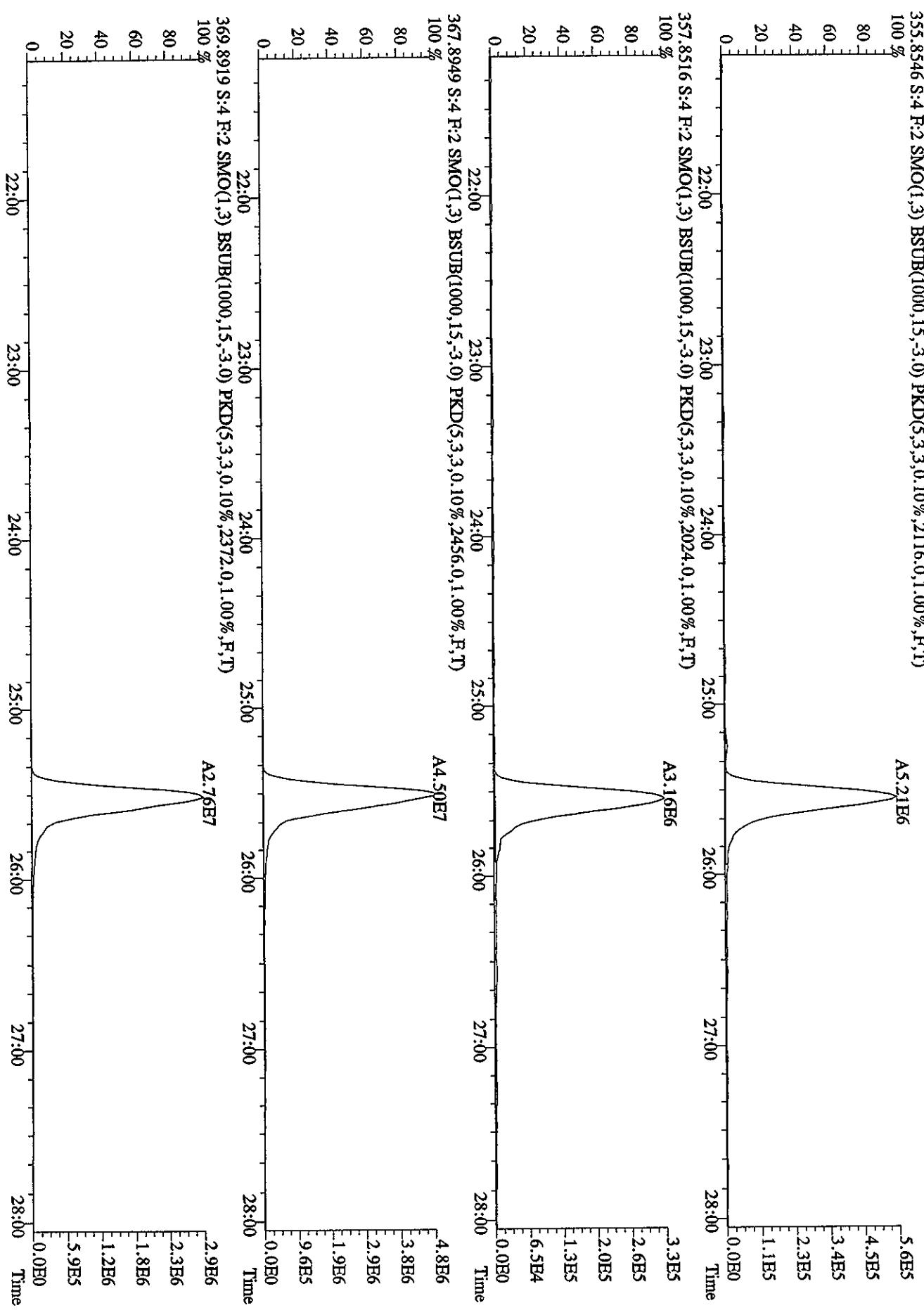
80
60
40
20
0



File:28MR068D5 #1-483 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0328B :CS2 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-UltimaE
Sample#4 Text:ST0328B 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)



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

373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1504.0,1.00%,R,T)

100 %

1.6E6

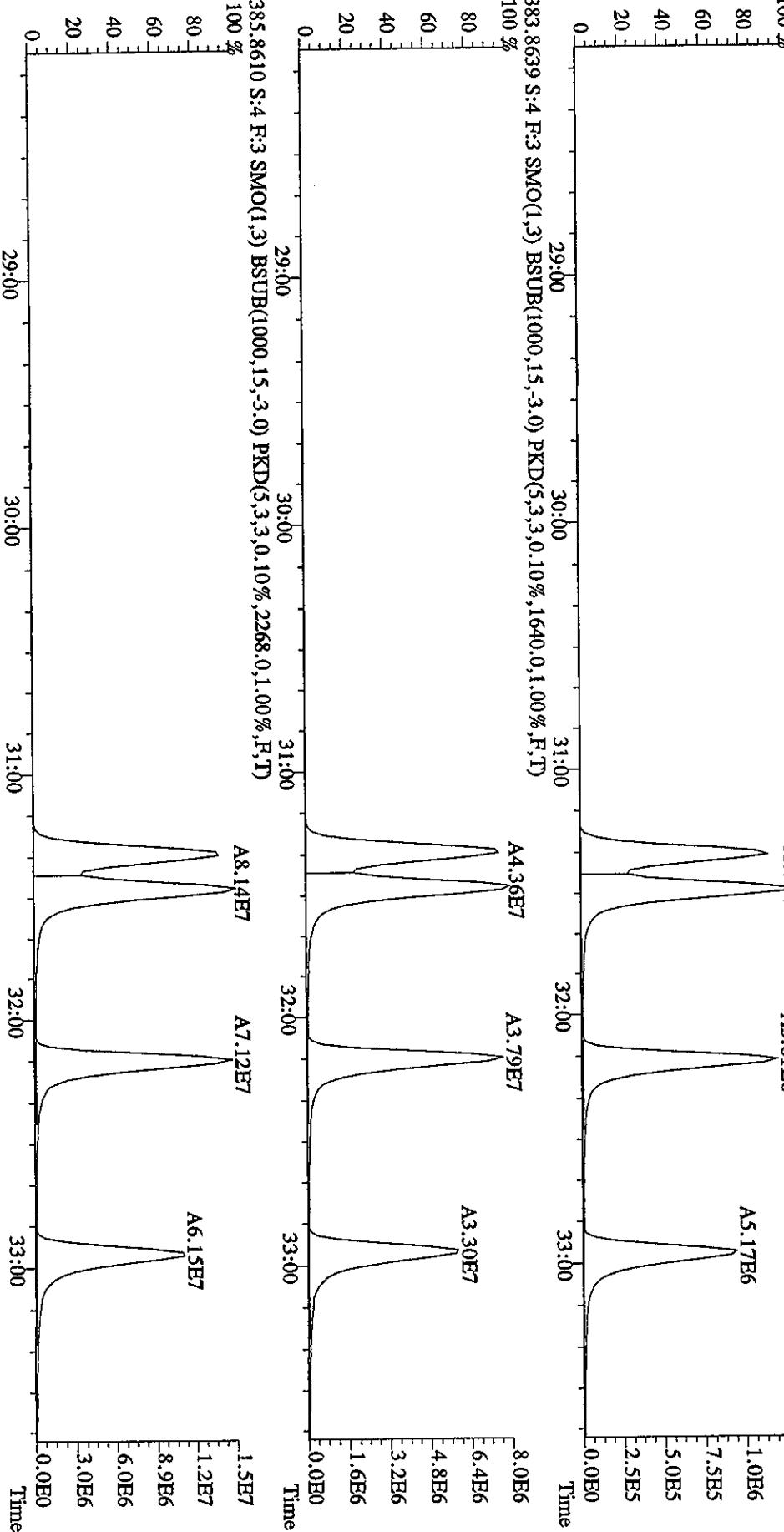
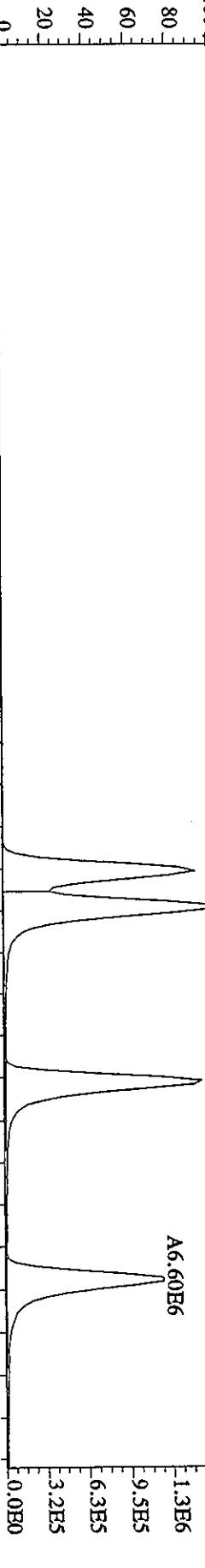
1.3E6

9.5E5

6.3E5

3.2E5

0.0E0



File:28MR068D5 #1-378 Acq:28-MAR-2006 15:16:46 GC El+ Voltage SIR Autospec-UltimaE
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%,R,T)

100 %
80
60
40
20
0

1.1E6
9.0E5
6.7E5
4.5E5
2.2E5

A5.40E6
A4.33E6 A5.30E6



100 %
80
60
40
20
0

8.6E5
6.8E5
5.1E5
3.4E5
1.7E5
0.0E0

Time

29:00 30:00 31:00 32:00 33:00

Time

A4.64E7
A3.59E7 A4.44E7

100 %
80
60
40
20
0

9.8E6
7.8E6
5.9E6
3.9E6
2.0E6
0.0E0

Time

29:00 30:00 31:00 32:00 33:00

Time

403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,R,T)

100 %
80
60
40
20
0

7.5E6
6.0E6
4.5E6
3.0E6
1.5E6
0.0E0

Time

29:00 30:00 31:00 32:00 33:00

Time

G6E120362

File:28MR068D5 #1-378 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaB

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

389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,1372.0,1.00%,F,T)

A5.55E6

A4.13E6

A5.30E6

Poor Chromatography

3

Baseline Correction

4

Manual EDL Calculation

5

Other

Analyst

Date

3/29/06

MANUAL EDIT CODES

1.1E6

1.0E6

9.0E5

7.9E5

6.7E5

5.6E5

4.5E5

3.4E5

2.2E5

1.1E5

8.6E5

7.7E5

6.8E5

6.0E5

5.1E5

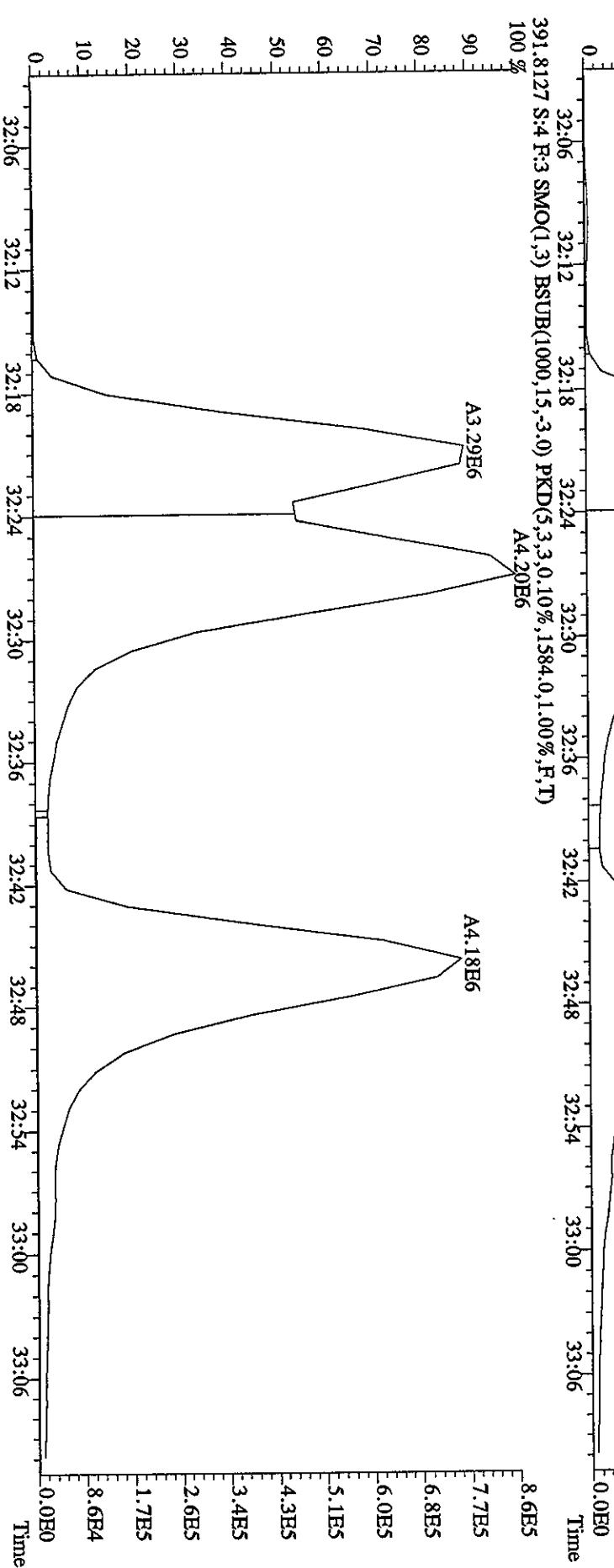
4.3E5

3.4E5

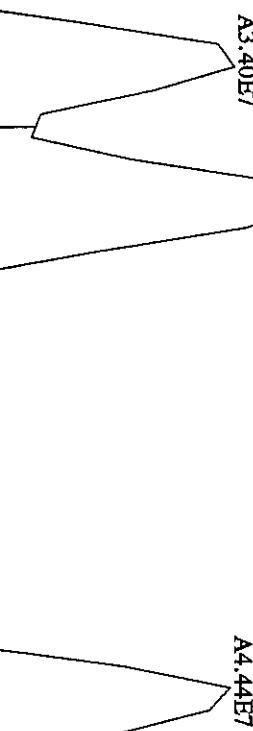
2.6E5

1.7E5

8.6E4

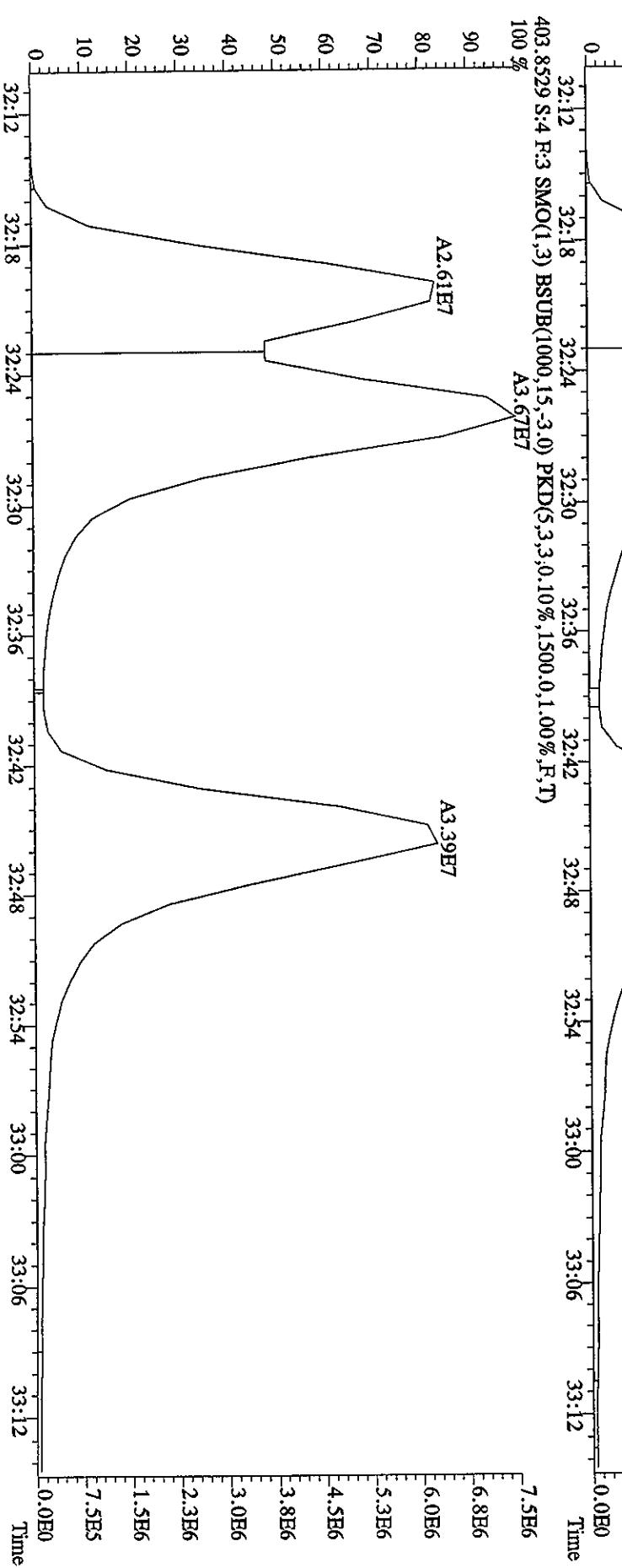


File:23MR068D5 #1-378 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0328B Exp:DIOXIN
'CS2 2565-41B 401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2072.0,1.00%,F,T)
A4.82E7



MANUAL EDIT CODES

1 Peak not found
② Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
5 Other _____
Analyst M. J. 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 %

A6.87E6

A5.13E6

A6.37E6

A4.89E6

A2.97E7

A3.48E7

1.4E7

1.1E7

8.2E6

5.4E6

2.7E6

0.0E0

1.5E6

1.2E6

9.0E5

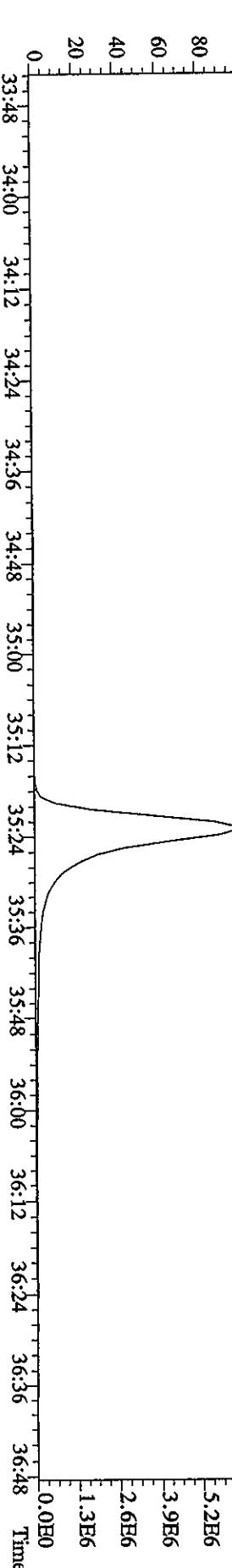
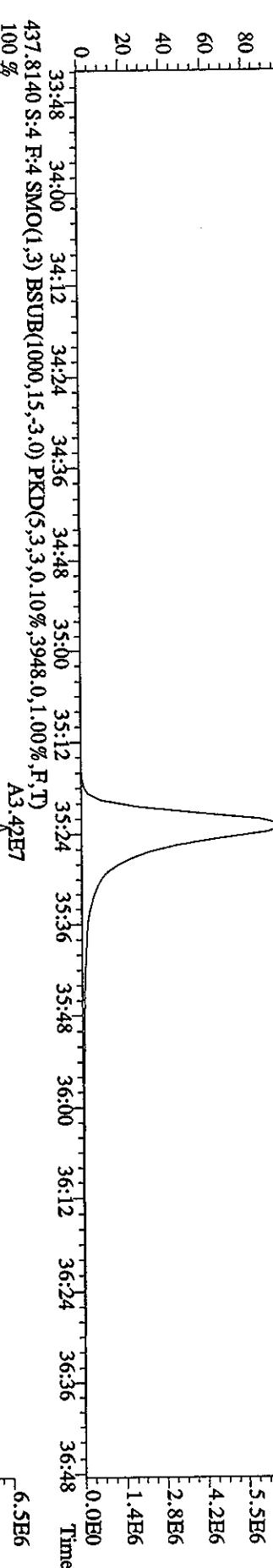
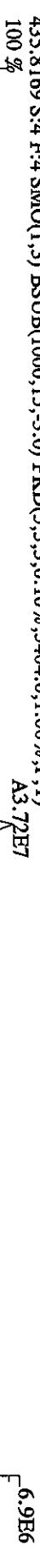
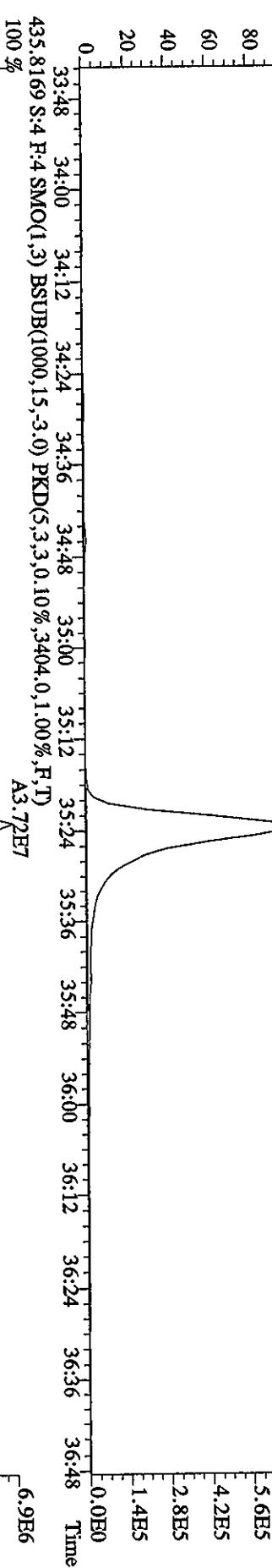
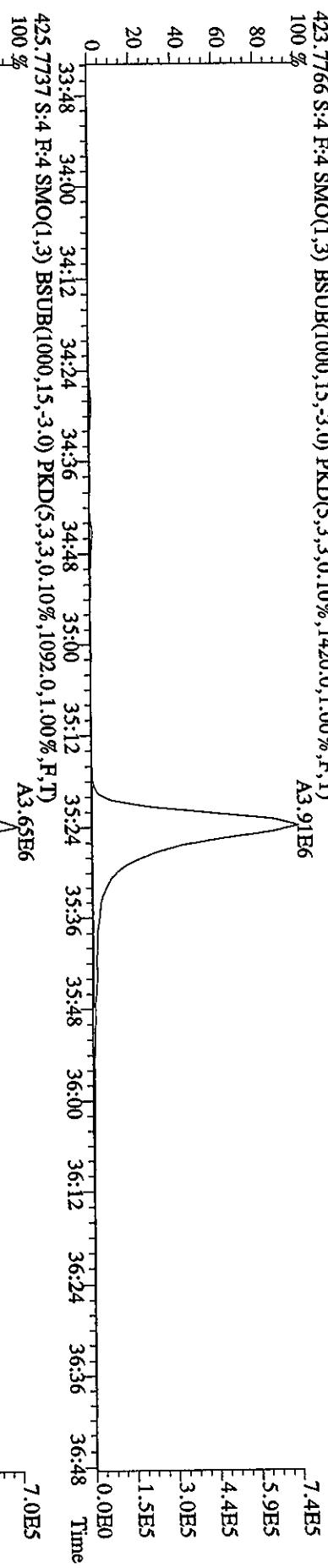
6.0E5

3.0E5

0.0E0

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
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 7.4E5
5.9E5
4.4E5
3.0E5
1.5E5



File:28MR068D5 #1-157 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE

Sample#4 TextST0328B :CS2 2565-4IB Exp:DDOXIN

441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1888.0,0.1.00%,F,T)

100 %

90

80

70

60

50

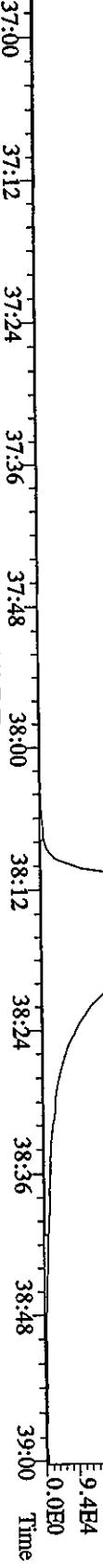
40

30

20

10

0



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2200.0,1.00%,F,T)

100 %

90

80

70

60

50

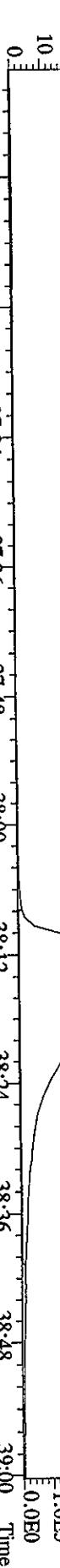
40

30

20

10

0



513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1836.0,0.1.00%,F,T)

100 %

90

80

70

60

50

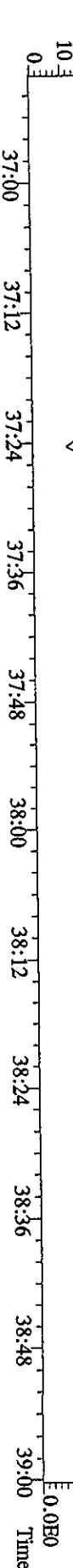
40

30

20

10

0



File:28MR068D5 #1.157 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE

Sample#4 Text:ST0328B Exp:DIOXIN

:CS2 2565.41B

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 %

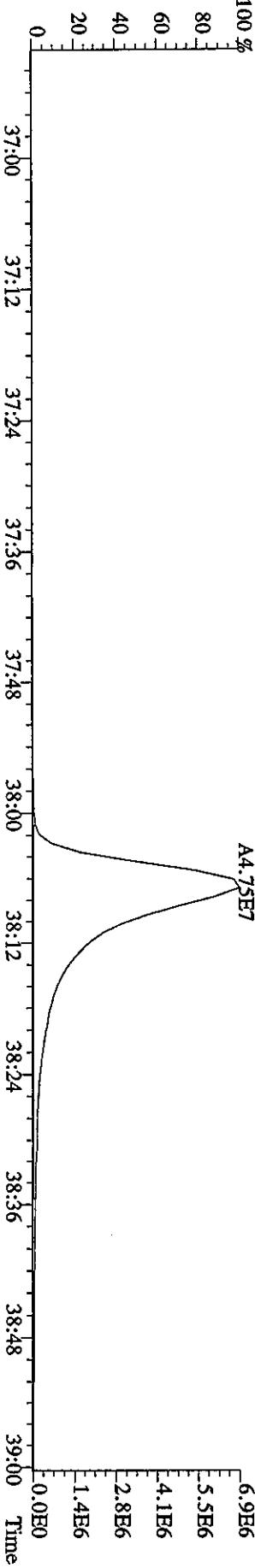
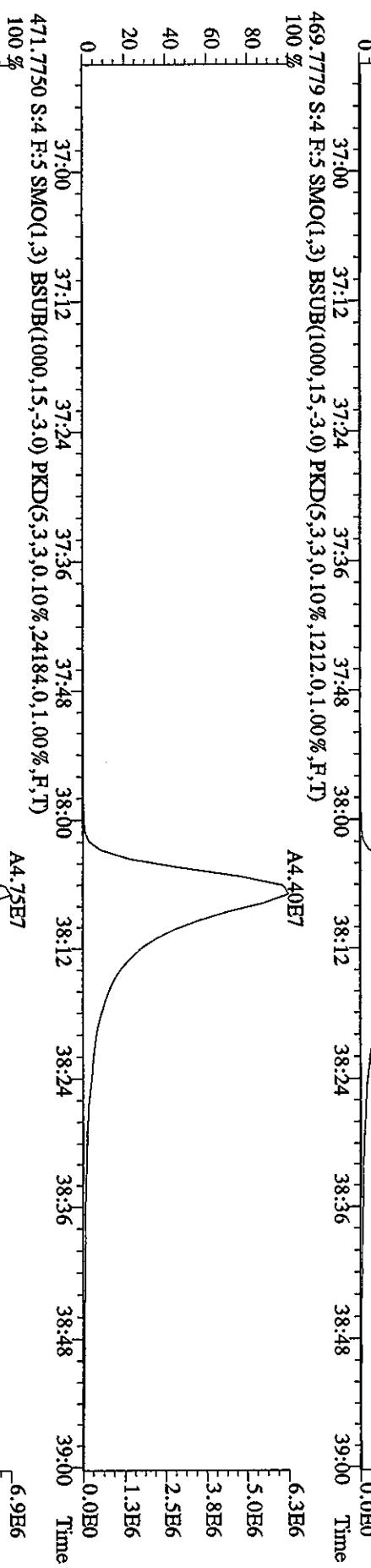
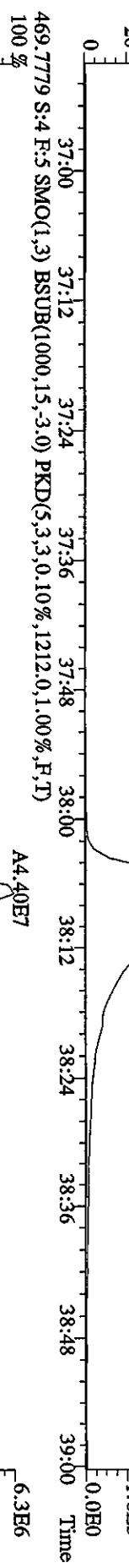
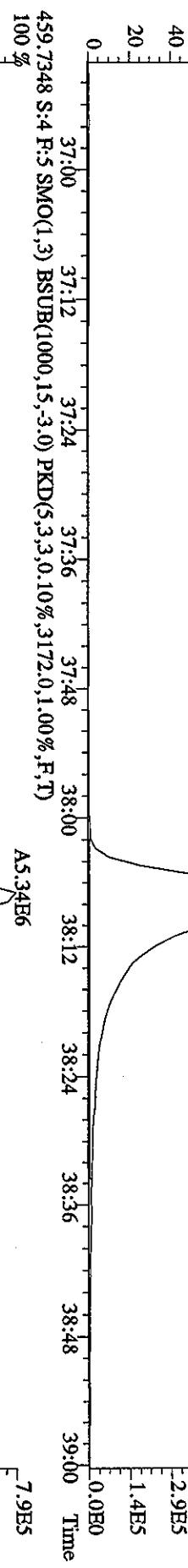
80
7.1E5

60
5.7E5

40
4.3E5

20
2.9E5

0
1.4E5



Sample#4 Text:ST0328B Exp:DIOXIN

:CS2 2565-41B Exp:DIOXIN

292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0,0,1.00%,F,T)

100 % 14:12 14:34 15:22 15:50 16:14 16:34 16:48 17:09 17:26 17:46 18:26 18:59 19:35 20:02 20:25 21:00 4.8E7

80 % 14:12 14:34 15:22 15:50 16:14 16:34 16:48 17:09 17:26 17:46 18:26 18:59 19:35 20:02 20:25 3.8E7

60 % 14:12 14:34 15:22 15:50 16:14 16:34 16:48 17:09 17:26 17:46 18:26 18:59 19:35 20:02 20:25 2.9E7

40 % 14:12 14:34 15:22 15:50 16:14 16:34 16:48 17:09 17:26 17:46 18:26 18:59 19:35 2.1E5

20 % 14:12 14:34 15:22 15:50 16:14 16:34 16:48 17:09 17:26 17:46 18:26 18:59 19:35 1.9E7

0 % 14:12 14:34 15:22 15:50 16:14 16:34 16:48 17:09 17:26 17:46 18:26 18:59 19:35 1.9E7

303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240,0,1.00%,F,T)

A1.71E6

305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084,0,1.00%,F,T)

A1.28E6

375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2068,0,1.00%,F,T)

3.6E5

100 % 14:35 15:08 15:36 15:49 16:13 16:19 16:48 17:09 17:57 18:33 19:01 19:38 2.7E3

80 % 14:35 15:08 15:36 15:49 16:13 16:19 16:48 17:09 17:57 18:33 19:01 19:38 2.2E3

60 % 14:35 15:08 15:36 15:49 16:13 16:19 16:48 17:09 17:57 18:33 19:01 19:38 1.5E5

40 % 14:35 15:08 15:36 15:49 16:13 16:19 16:48 17:09 17:57 18:33 19:01 19:38 7.3E4

20 % 14:35 15:08 15:36 15:49 16:13 16:19 16:48 17:09 17:57 18:33 19:01 19:38 1.1E5

0 % 14:35 15:08 15:36 15:49 16:13 16:19 16:48 17:09 17:57 18:33 19:01 19:38 5.3E4

330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

2.0E0

100 % 14:13 14:37 15:12 15:48 16:24 16:50 17:24 17:55 18:19 18:47 19:25 20:07 20:31 20:56 2.2E7

80 % 14:13 14:37 15:12 15:48 16:24 16:50 17:24 17:55 18:19 18:47 19:25 20:07 20:31 1.7E7

60 % 14:13 14:37 15:12 15:48 16:24 16:50 17:24 17:55 18:19 18:47 19:25 20:07 20:31 1.3E7

40 % 14:13 14:37 15:12 15:48 16:24 16:50 17:24 17:55 18:19 18:47 19:25 20:07 20:31 8.7E6

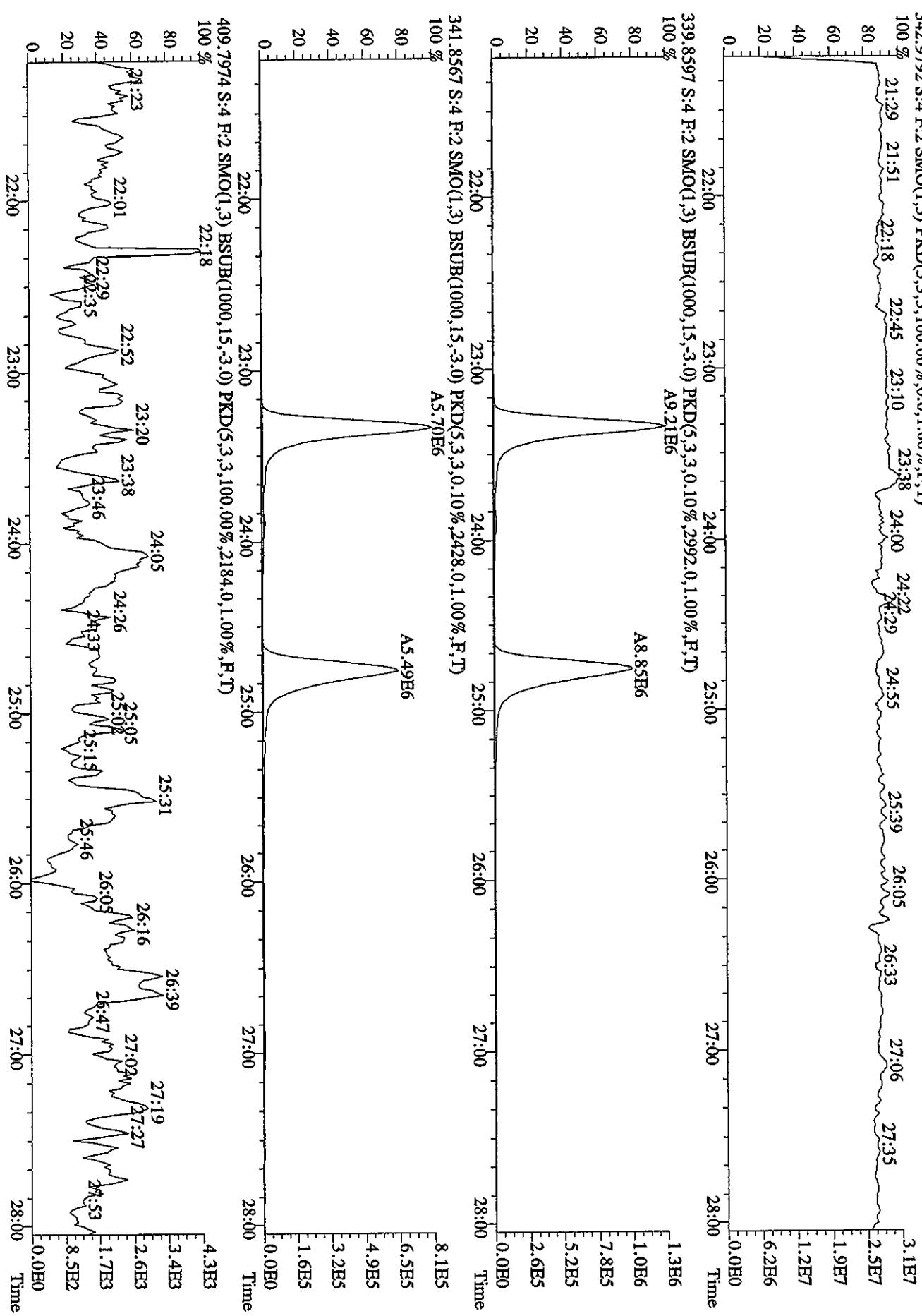
20 % 14:13 14:37 15:12 15:48 16:24 16:50 17:24 17:55 18:19 18:47 19:25 20:07 20:31 4.4E6

0 % 14:13 14:37 15:12 15:48 16:24 16:50 17:24 17:55 18:19 18:47 19:25 20:07 20:31 0.0E0

File:28MR068D5 #1-483 Acq:28-MAR-2006 15:16:46 GC El+ Voltage SIR Autospec-UltimaE

Sample#4 Text:ST0328B :CS2 2563-41B Exp:B10xIN

343 8793 S:4 B:3 SMC(3) PKD(5 3 3 100 00% 0.0 1.00% ETP



File:28MR068D5 #1-378 Acq:28 MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE

Sample#4 Text:ST0328B Exp:DIOXIN

392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 28:22 28:54 29:18 29:35 29:57 30:25 30:56 31:13 31:33 31:57 32:14 32:34 32:53 33:14 33:31 1.8E7

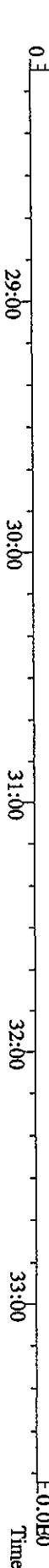
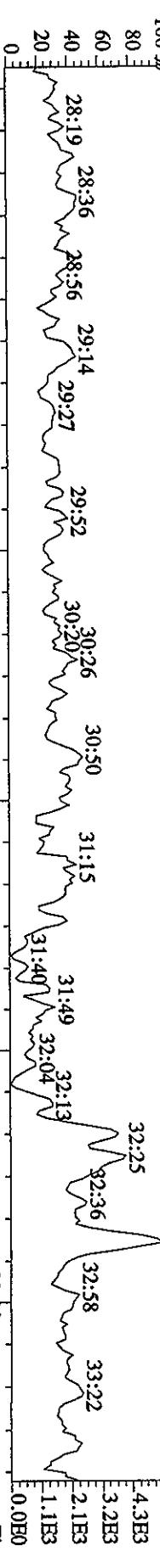
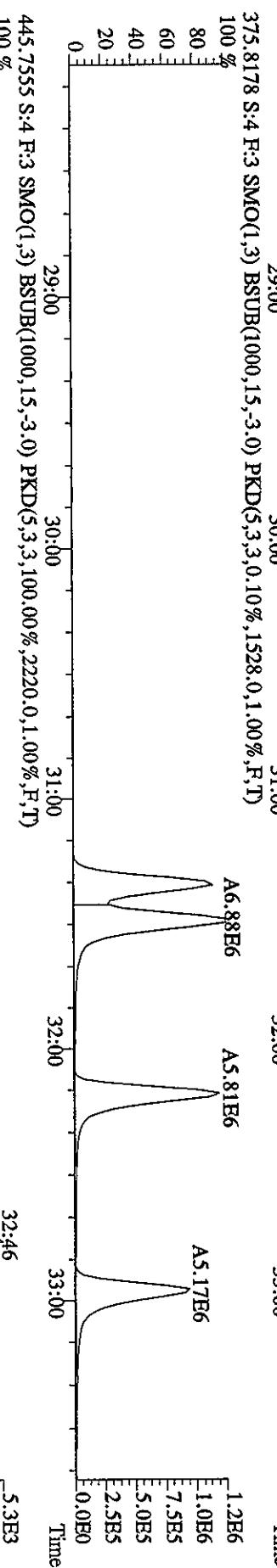
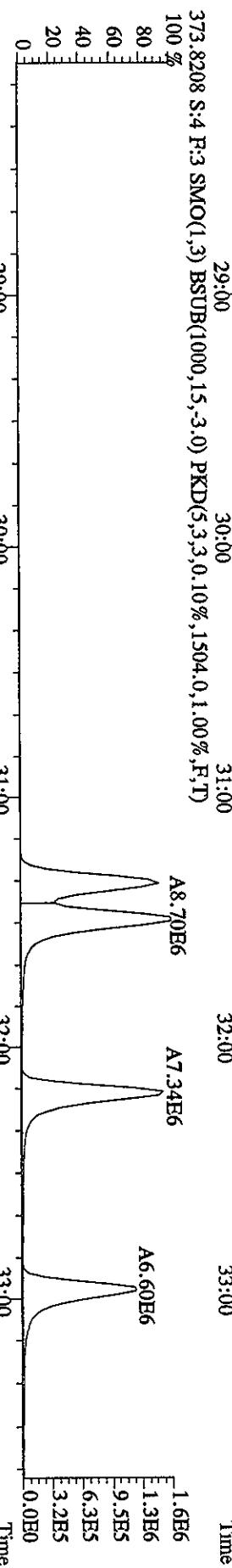
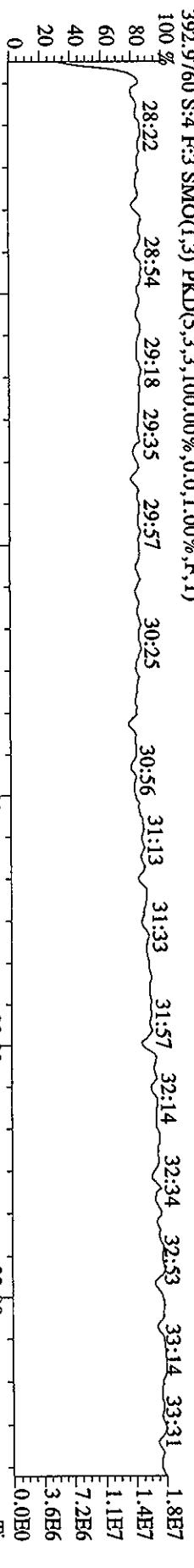
80 28:22 28:54 29:18 29:35 29:57 30:25 30:56 31:13 31:33 31:57 32:14 32:34 32:53 33:14 33:31 1.4E7

60 100 % 28:22 28:54 29:18 29:35 29:57 30:25 30:56 31:13 31:33 31:57 32:14 32:34 32:53 33:14 33:31 1.1E7

40 80 28:22 28:54 29:18 29:35 29:57 30:25 30:56 31:13 31:33 31:57 32:14 32:34 32:53 33:14 33:31 7.2E6

20 60 28:22 28:54 29:18 29:35 29:57 30:25 30:56 31:13 31:33 31:57 32:14 32:34 32:53 33:14 33:31 3.6E6

0 40 28:22 28:54 29:18 29:35 29:57 30:25 30:56 31:13 31:33 31:57 32:14 32:34 32:53 33:14 33:31 0.0E0



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

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

100 % 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

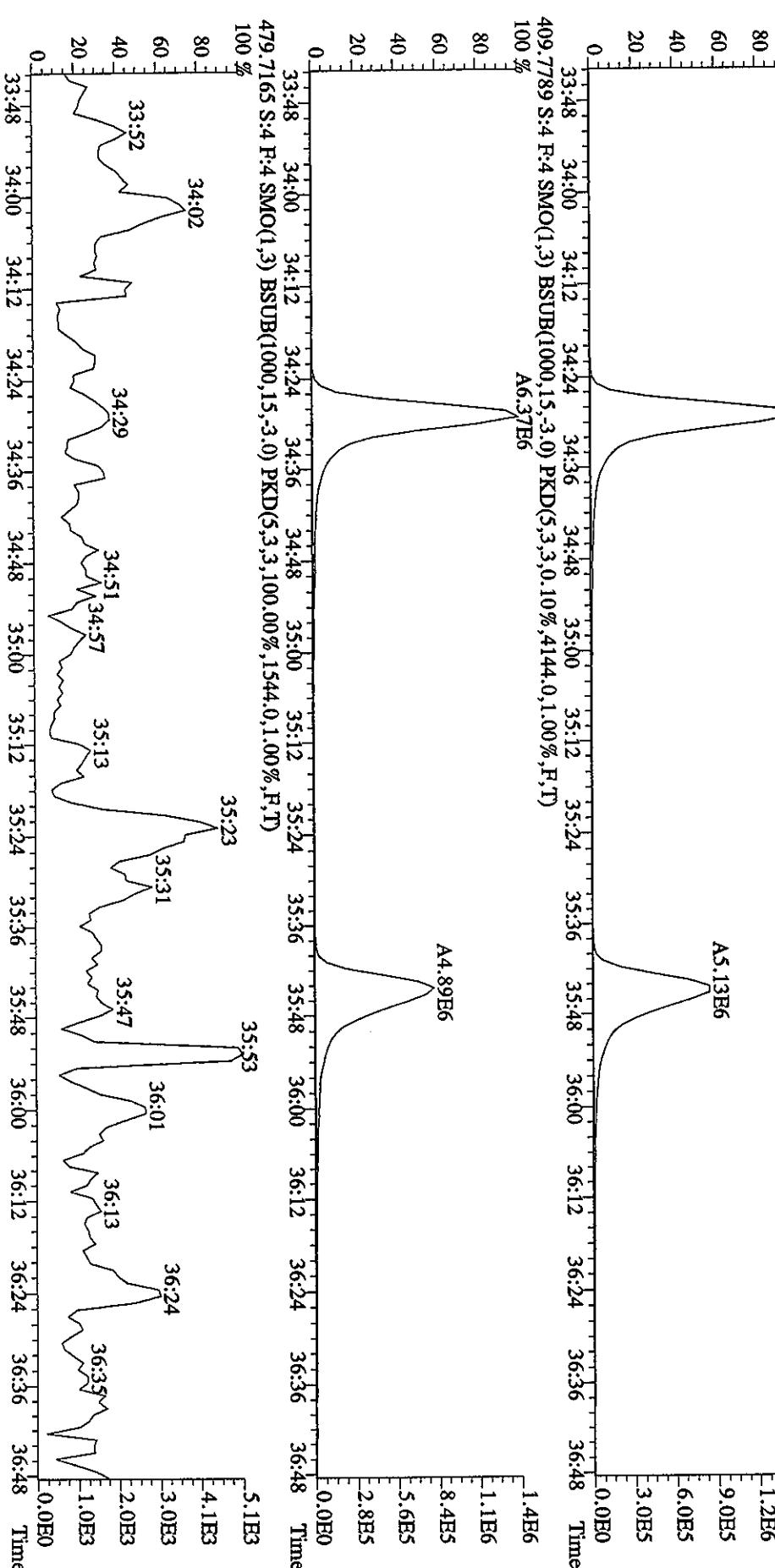
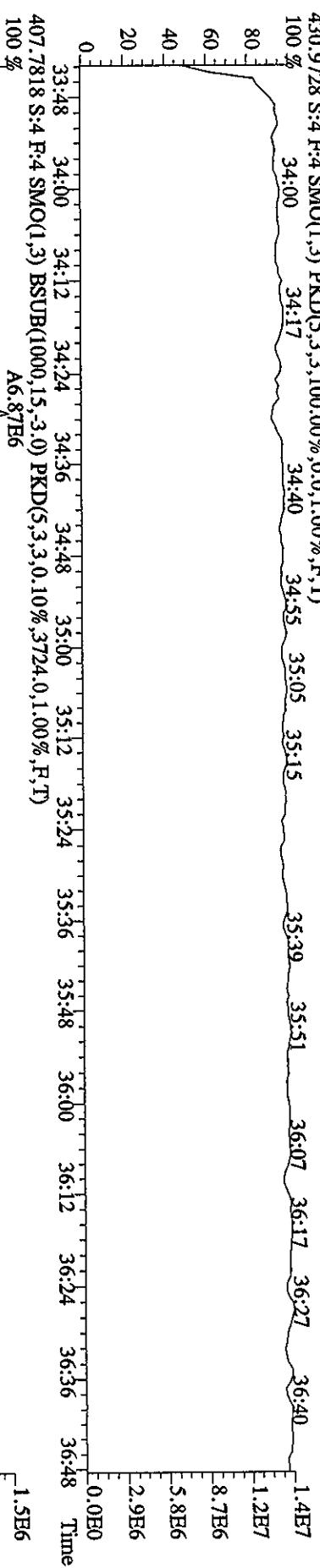
80 % 33.48 34.00 34.12 34.24 34.36 34.48 35.00 35.12 35.24 35.36 35.48 36.00 36.12 36.24 36.36 36.48 1.2E7

60 % 33.48 34.00 34.12 34.24 34.36 34.48 35.00 35.12 35.24 35.36 35.48 36.00 36.12 36.24 36.36 36.48 8.7E6

40 % 33.48 34.00 34.12 34.24 34.36 34.48 35.00 35.12 35.24 35.36 35.48 36.00 36.12 36.24 36.36 36.48 5.8E6

20 % 33.48 34.00 34.12 34.24 34.36 34.48 35.00 35.12 35.24 35.36 35.48 36.00 36.12 36.24 36.36 36.48 2.9E6

0 % 33.48 34.00 34.12 34.24 34.36 34.48 35.00 35.12 35.24 35.36 35.48 36.00 36.12 36.24 36.36 36.48 0.0E0

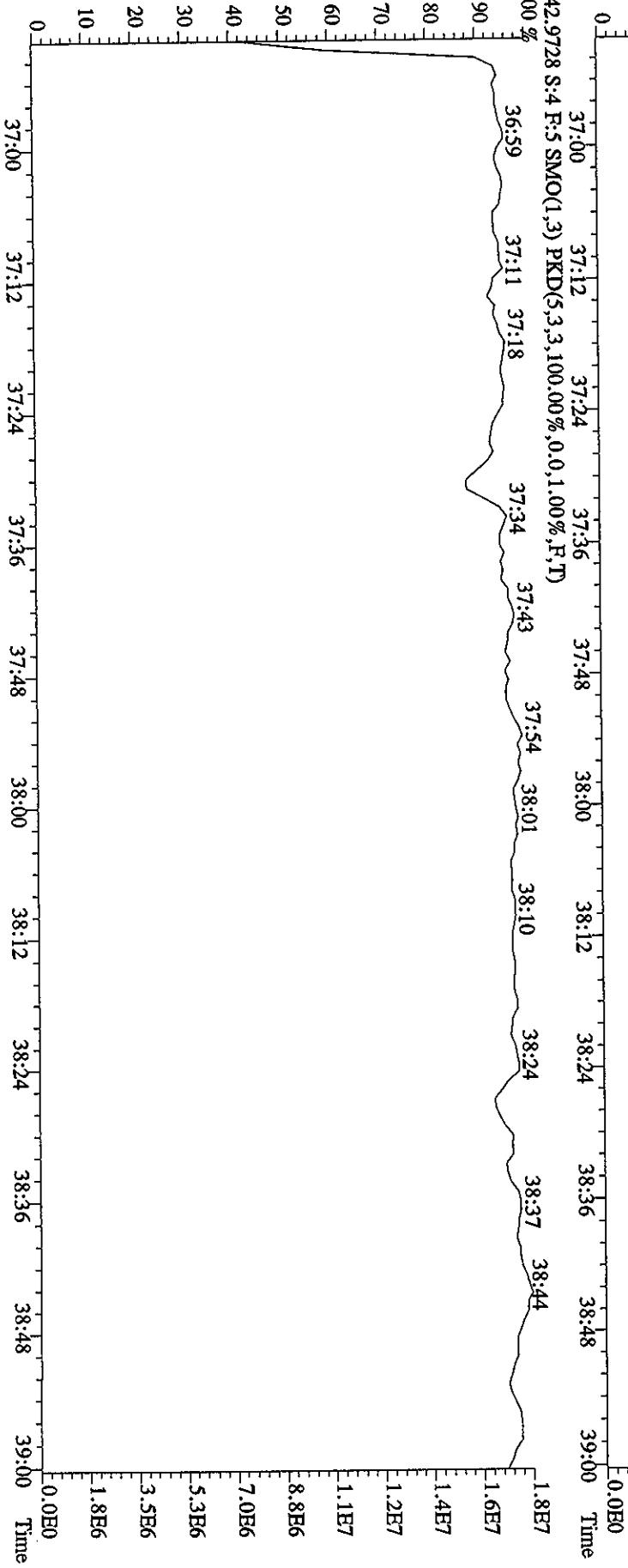
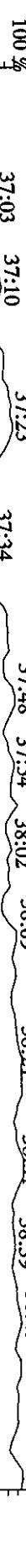


File:28MR068D5 #1-157 Acq:28-MAR-2006 15:16:46 GC EI+ Voltage SIR Autospec-UltimaE

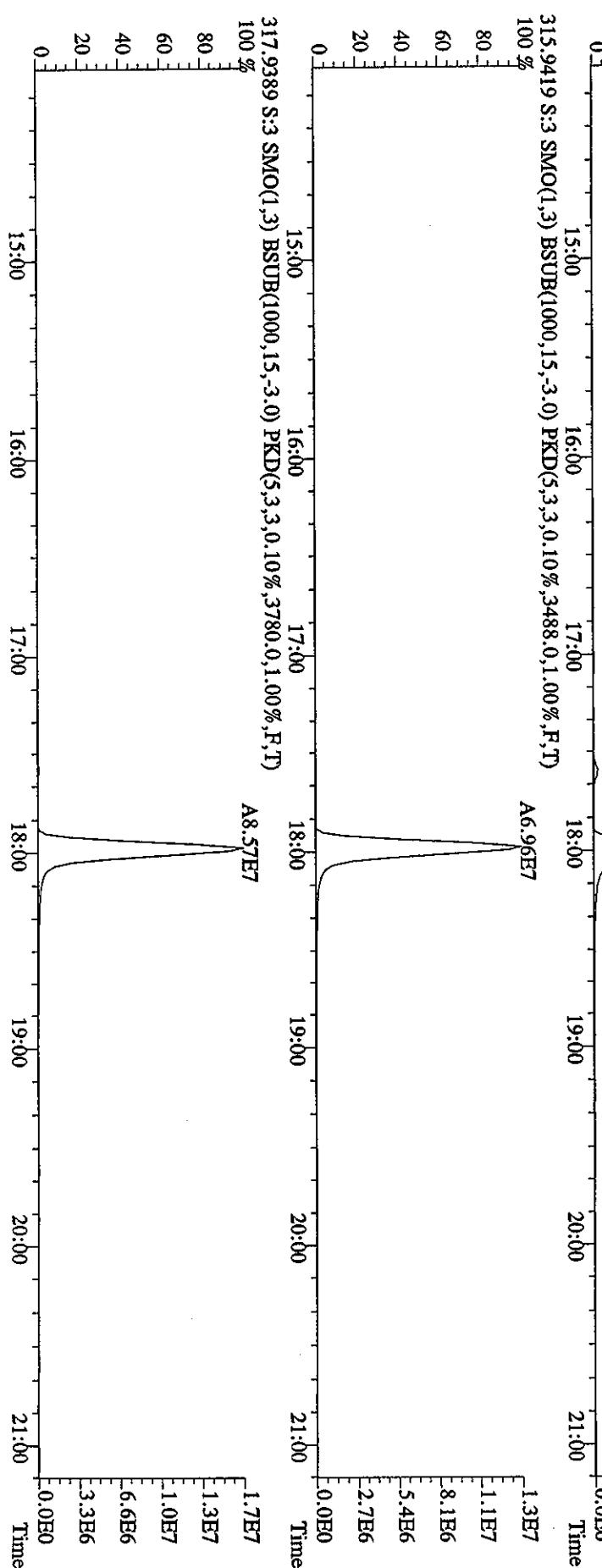
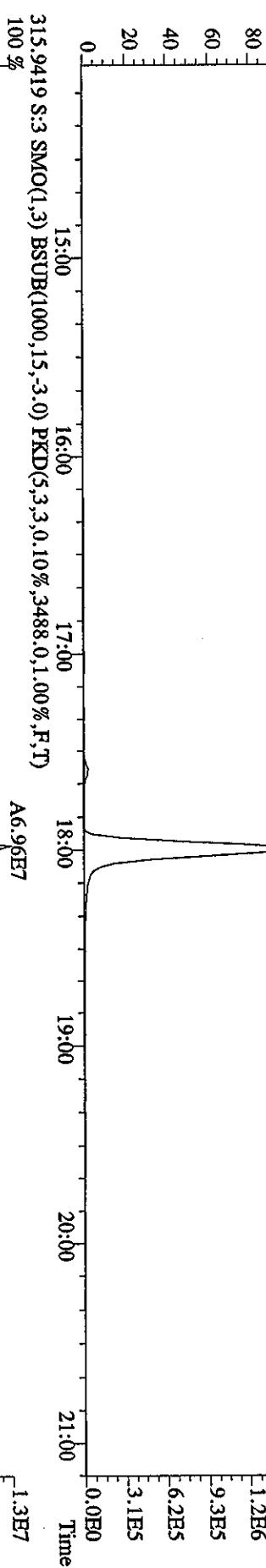
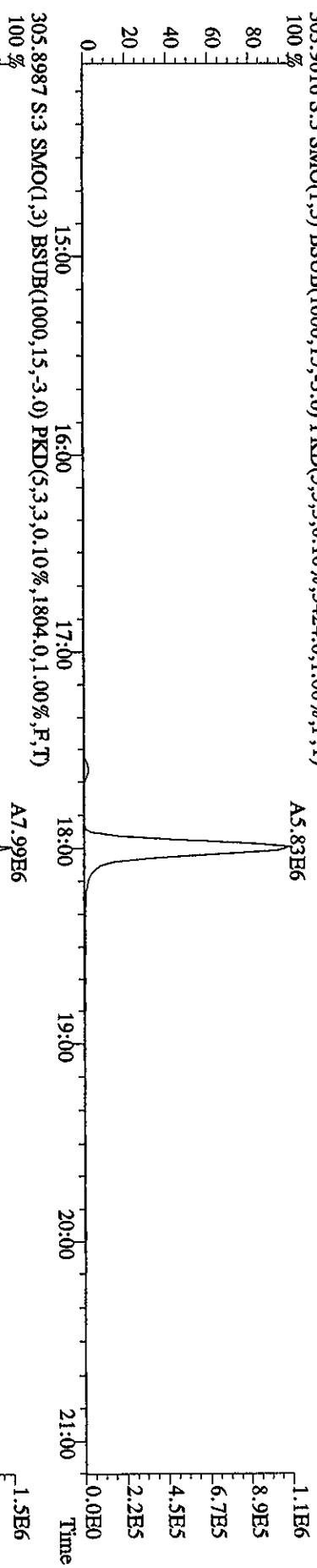
Sample#4 Text:ST0328B :CS2 2565.41B

Exp:DIOXIN

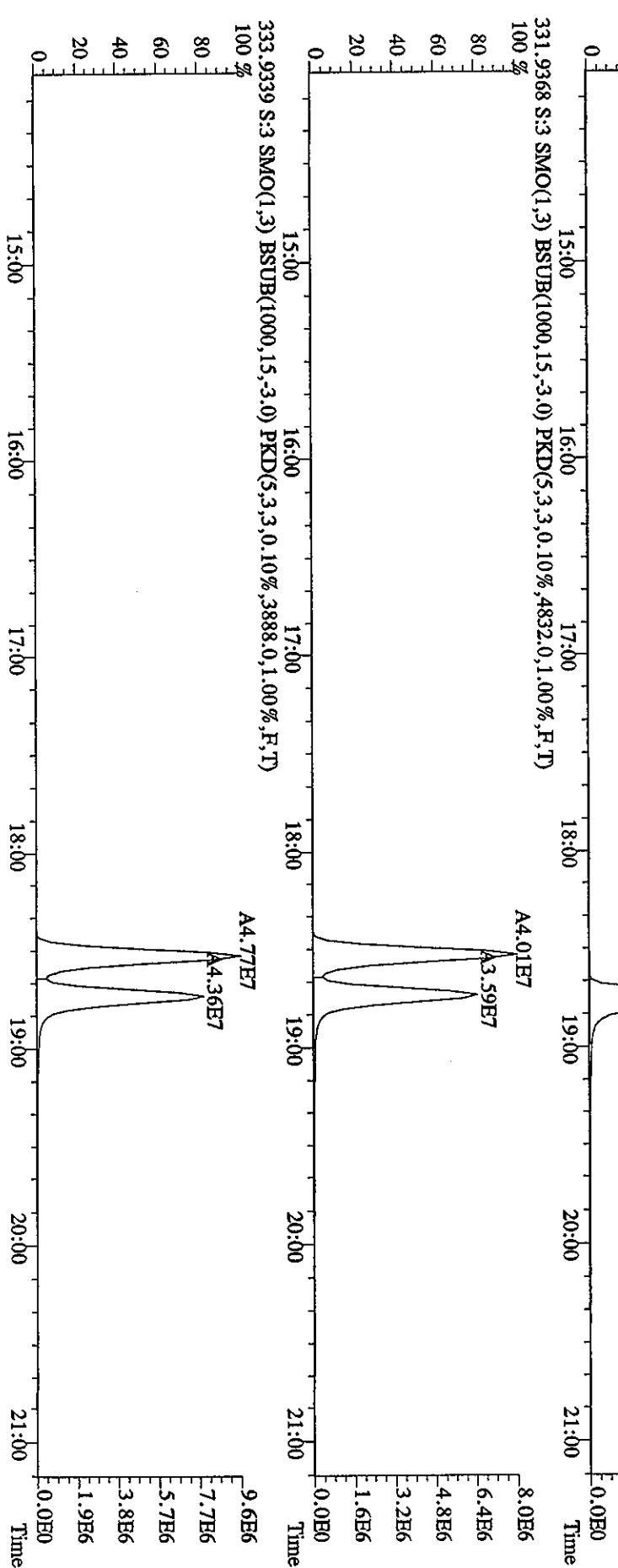
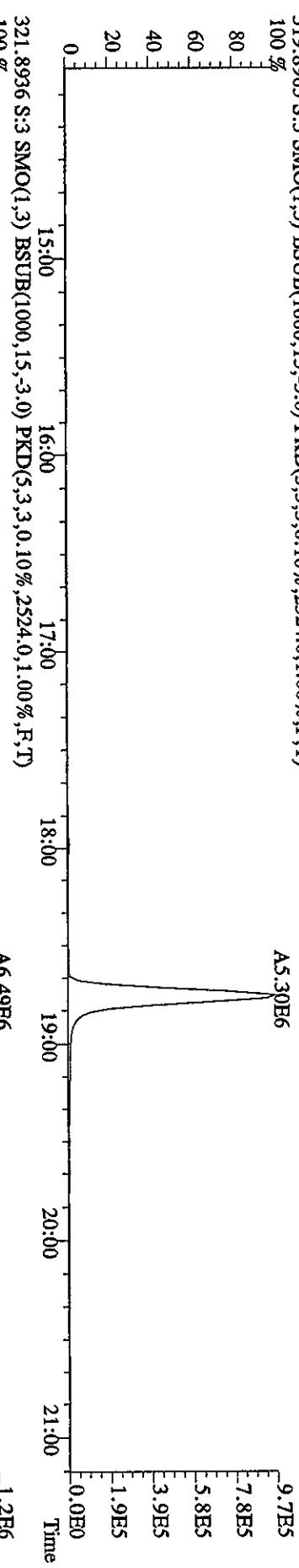
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



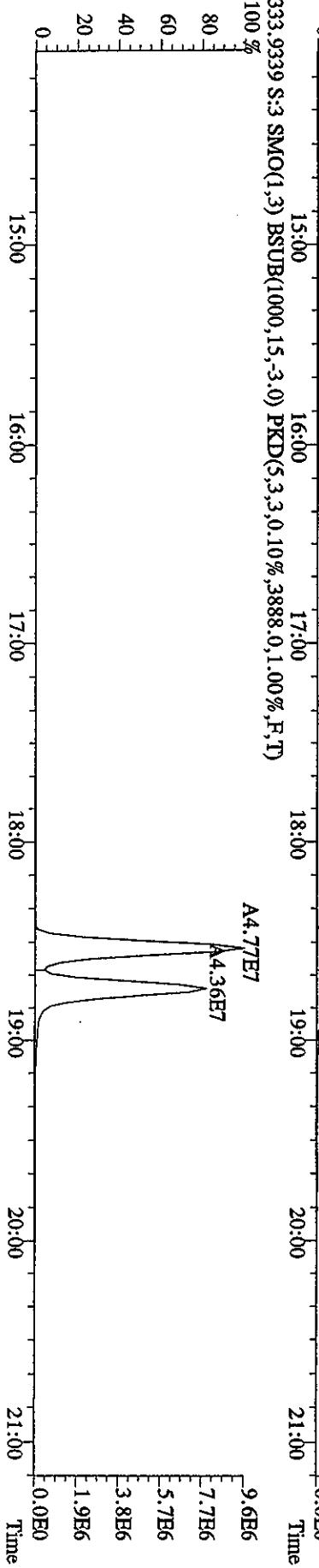
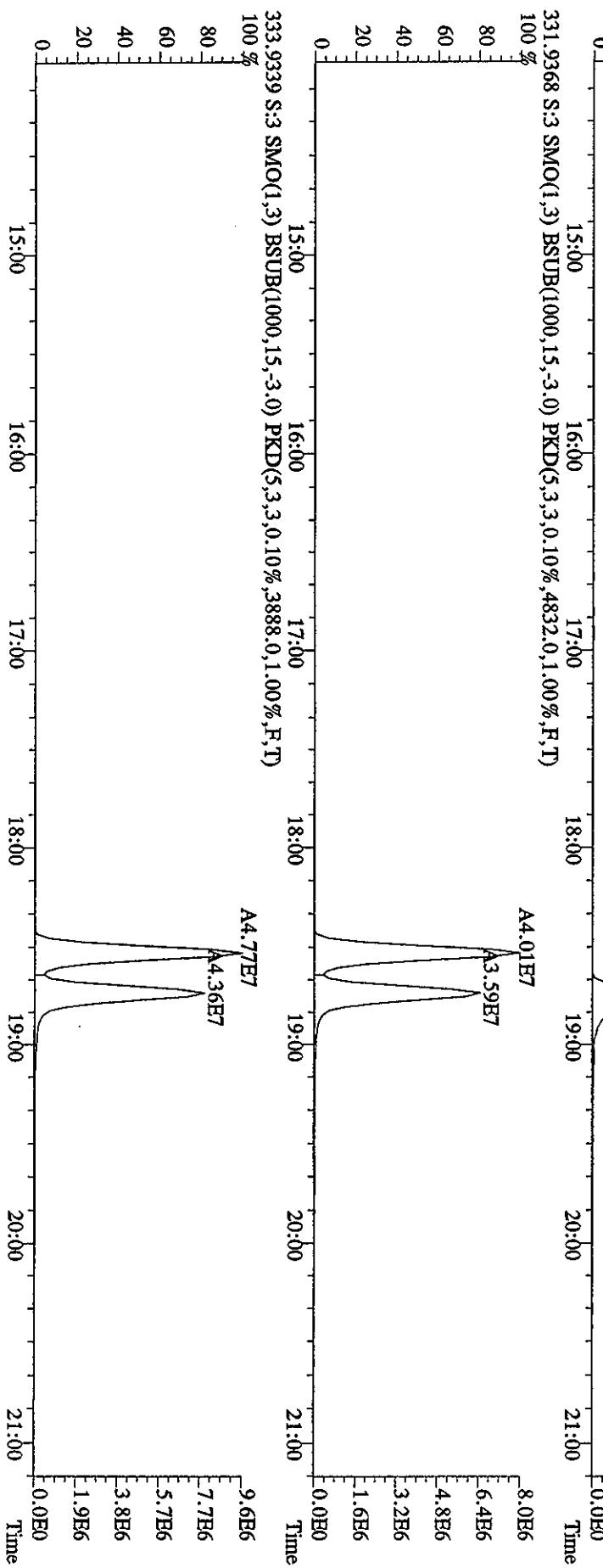
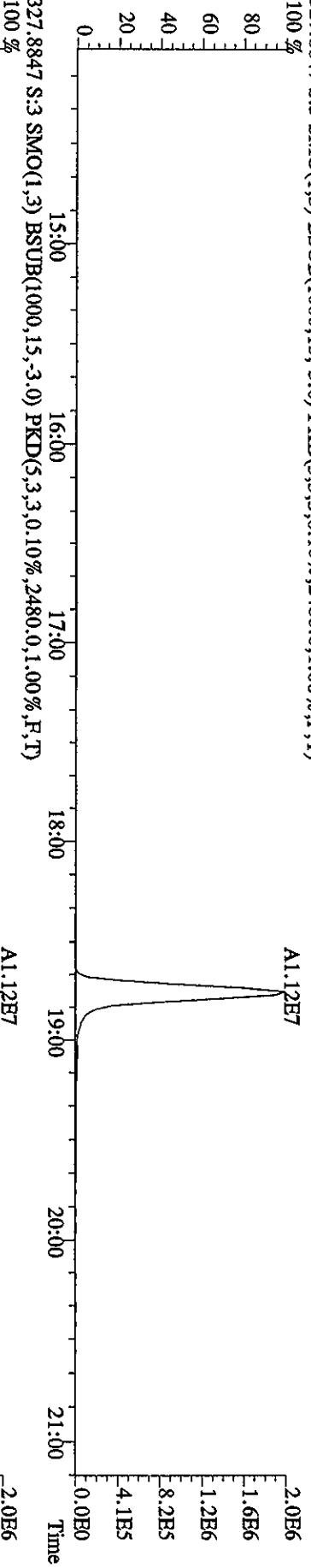
File:28MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Tex:ST0328A :CS3 2565-41C Exp:DIOXIN
 303,9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3424,0,1.00%,F,T)
 100 %
 80
 60
 40
 20
 0



File:23MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC HI+ 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)
 100 %



File:28MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC El+ Voltage SIR Autospec-UltimaE
 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)
 100 %



File:2BMR068D5 #1-483 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE

Sample#3 Text:ST0328A :CS3 256.41C 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)

100 % A4.49E7

5.8E6

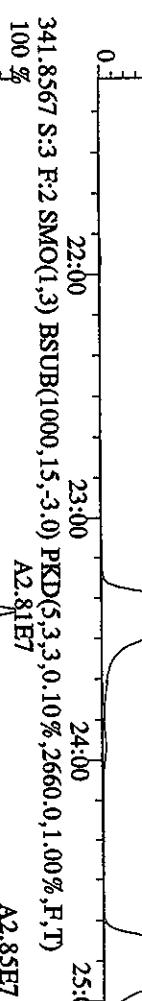
4.6E6

3.5E6

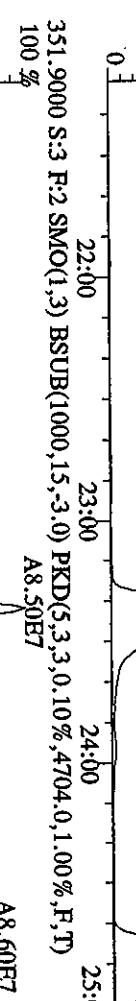
2.3E6

1.2E6

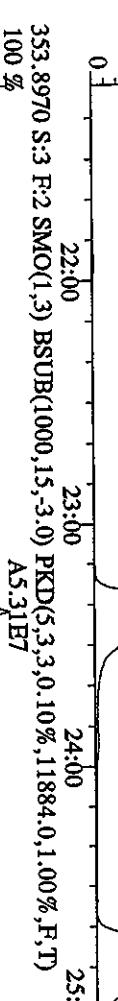
0.0E0



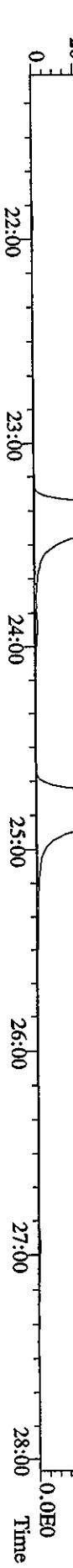
Time



Time



Time



Time

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 %

2.8E6

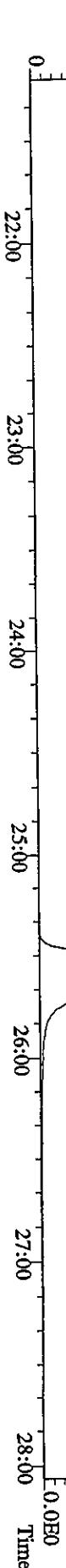
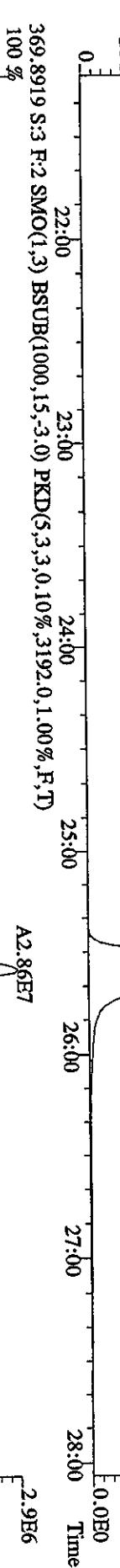
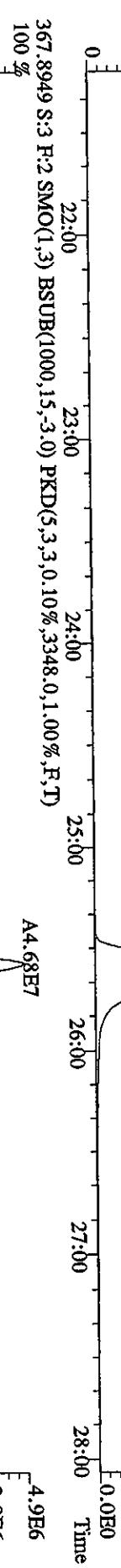
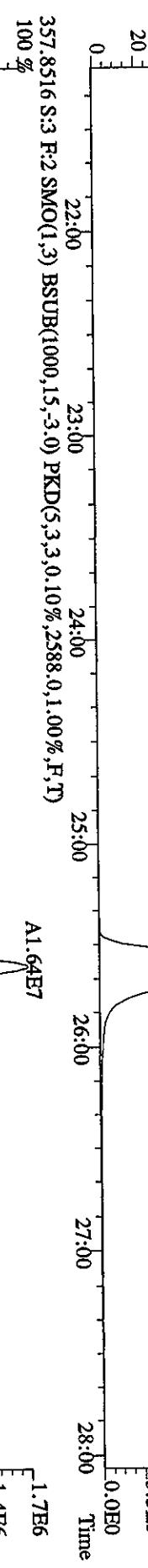
2.2E6

1.7E6

1.1E6

5.5E5

0.0E0



File:28MR068D5 #1-378 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE

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)

375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)

A3.63E7

A3.71E7

A3.15E7

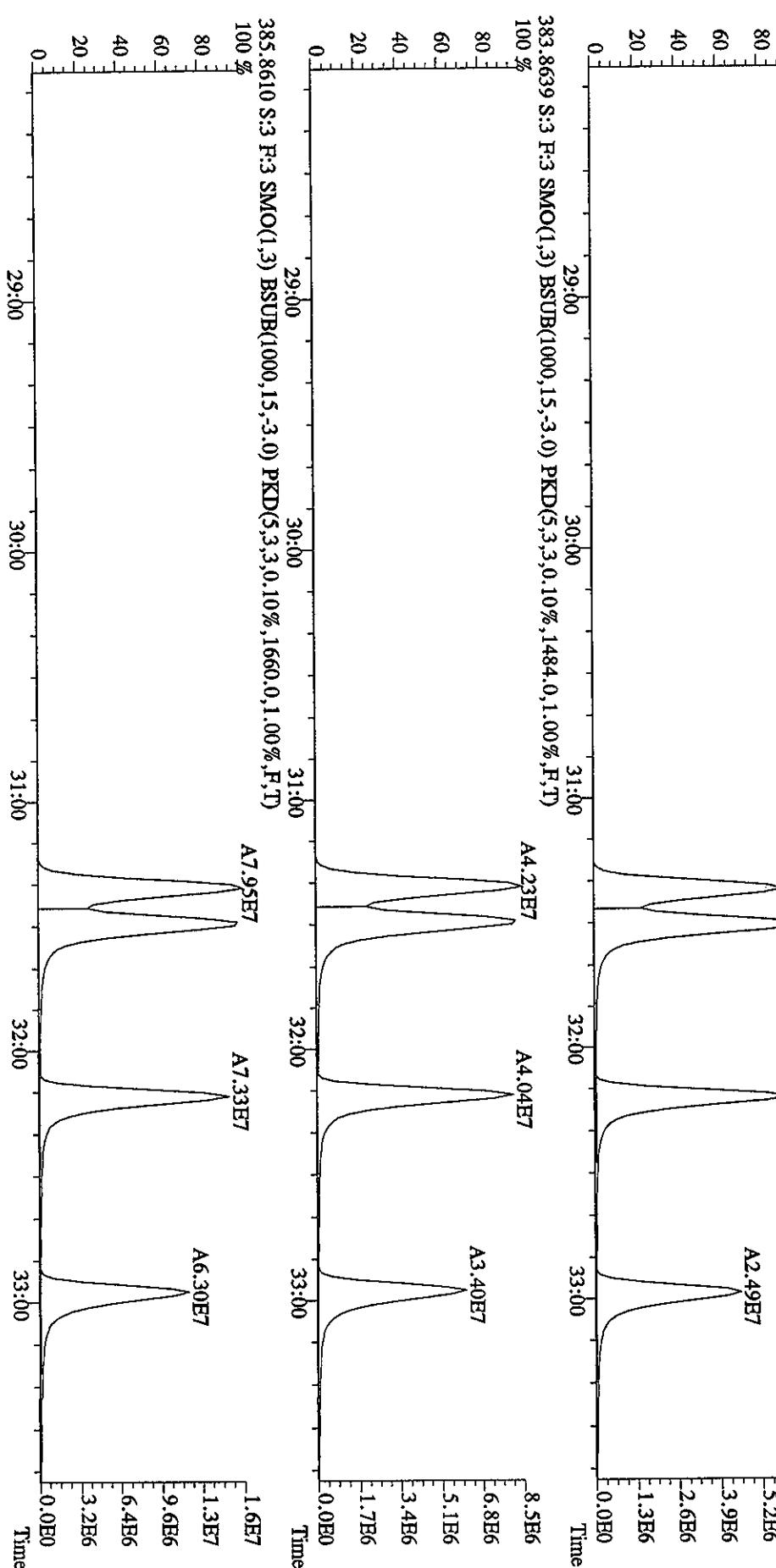
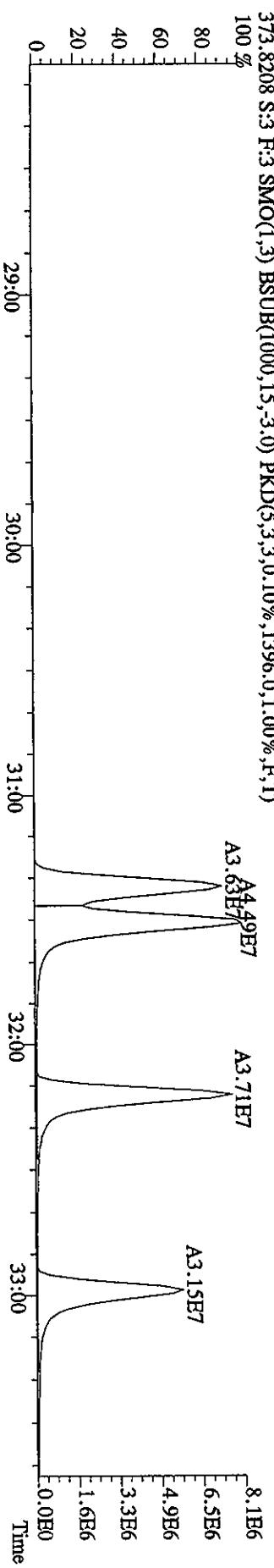
8.1E6

6.5E6

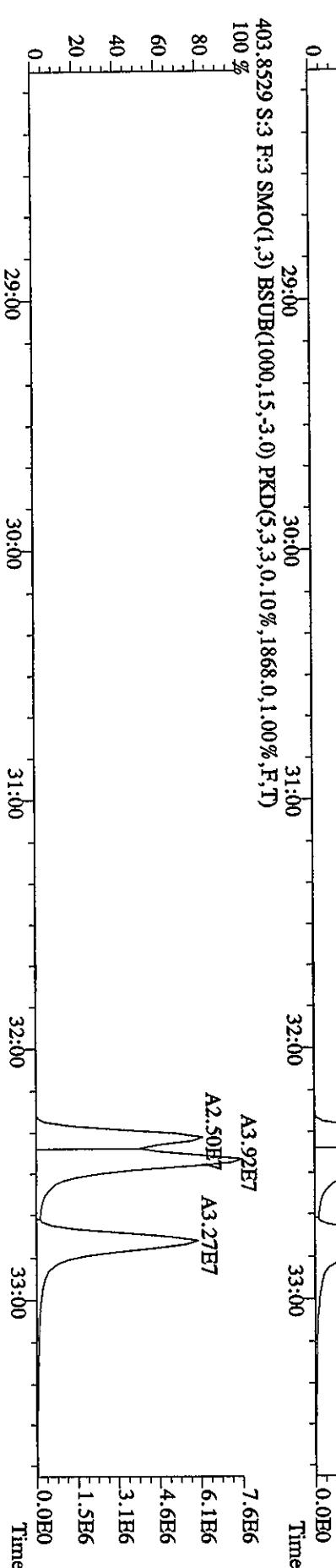
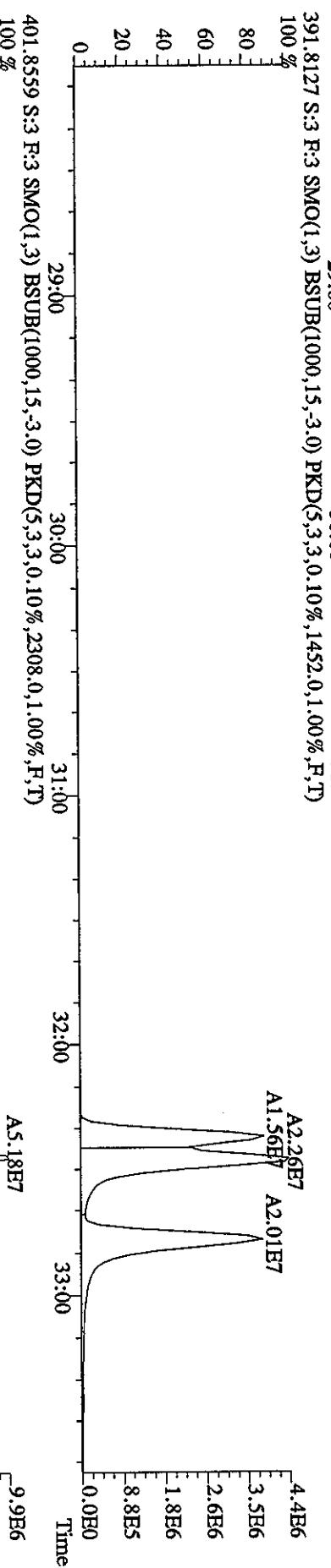
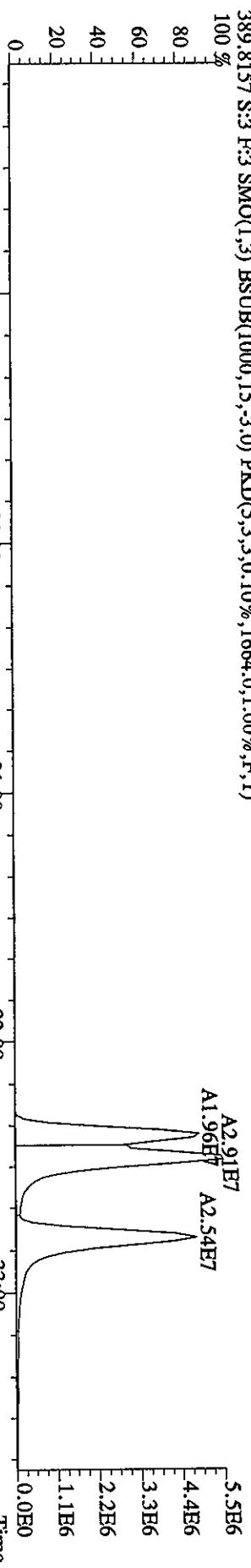
4.9E6

3.3E6

1.6E6



File:28MR068DS #1-378 Acq:28-MAR-2006 14:34:55 GC El+ Voltage SIR Autospec-UltimaE
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 El+ Voltage SIR Autospec-UltimaE

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%,R,T)

100 % A3.31E7

7.1E6

5.7E6

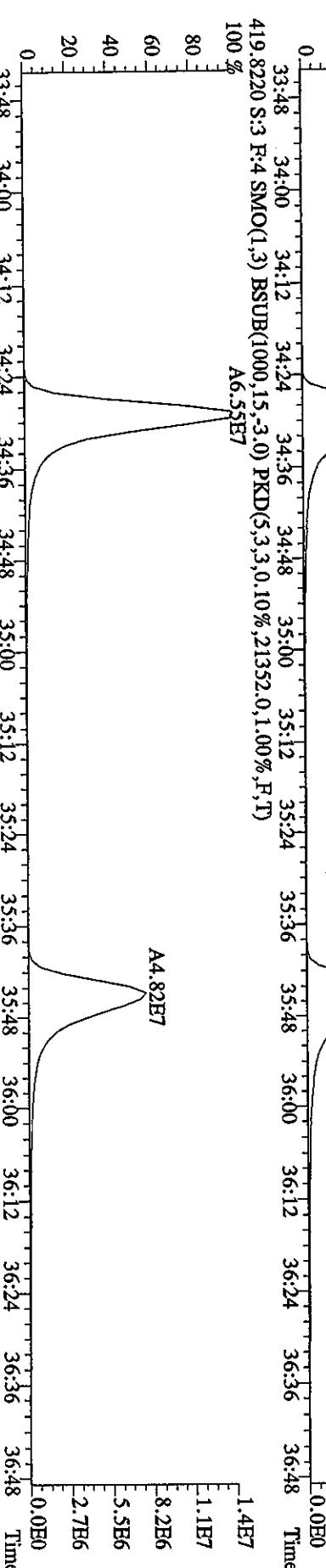
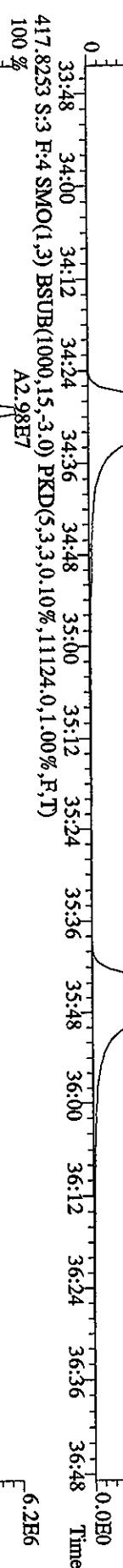
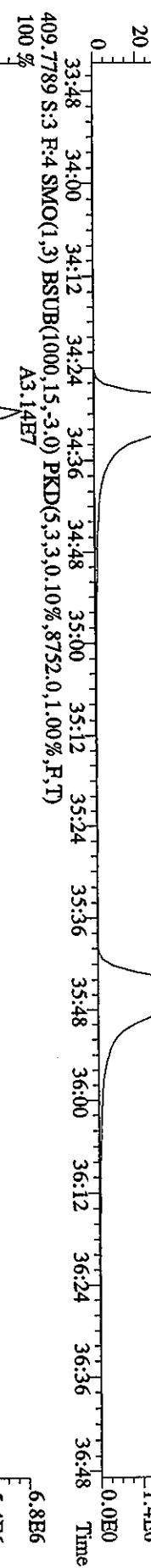
4.3E6

2.8E6

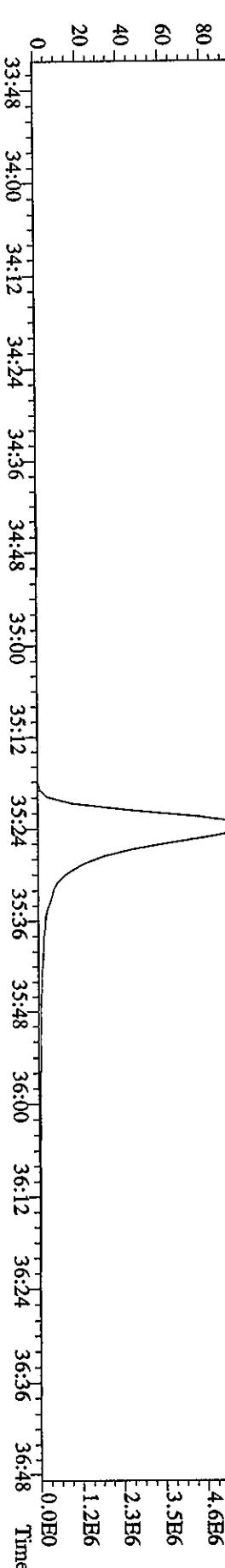
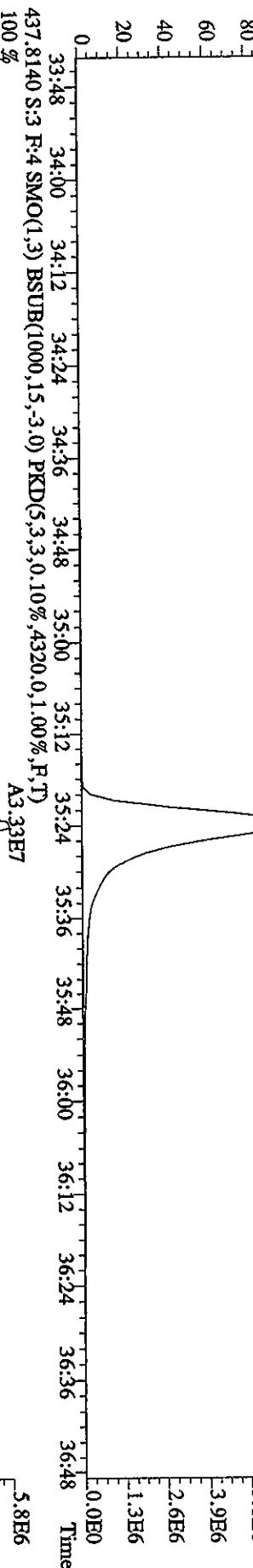
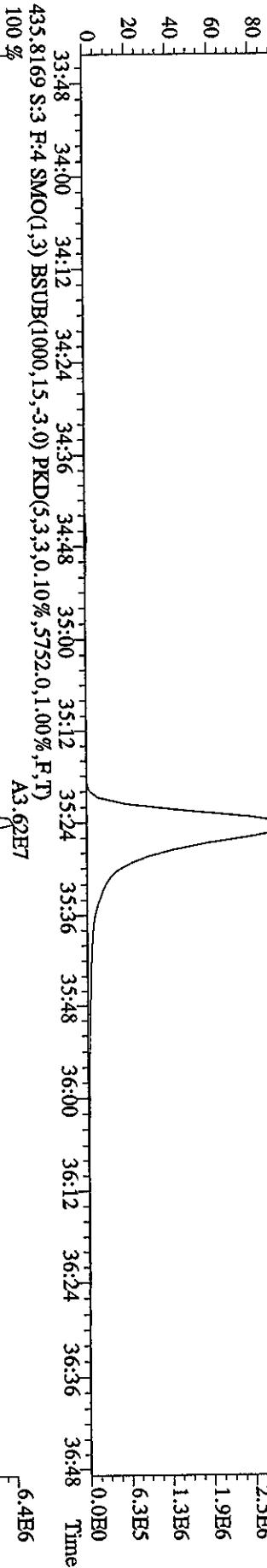
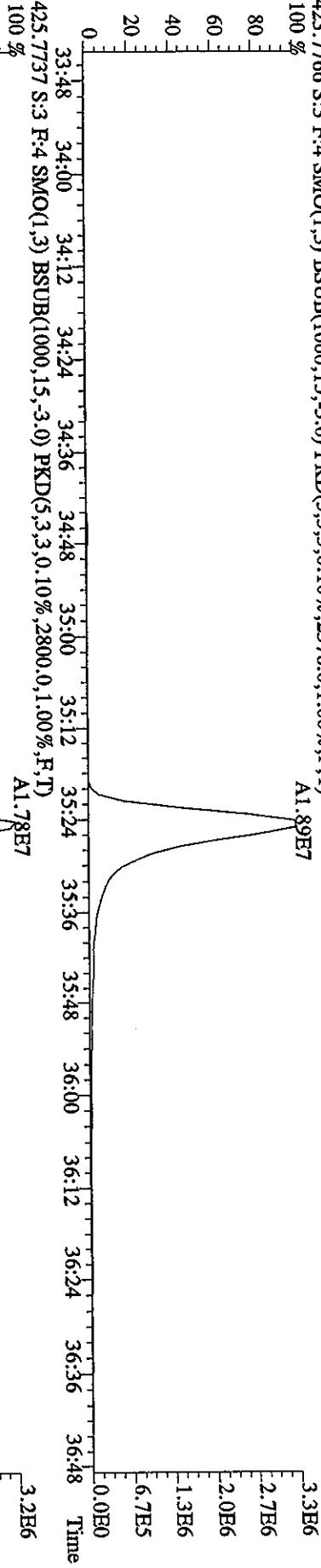
1.4E6

A2.46E7

0.0E0

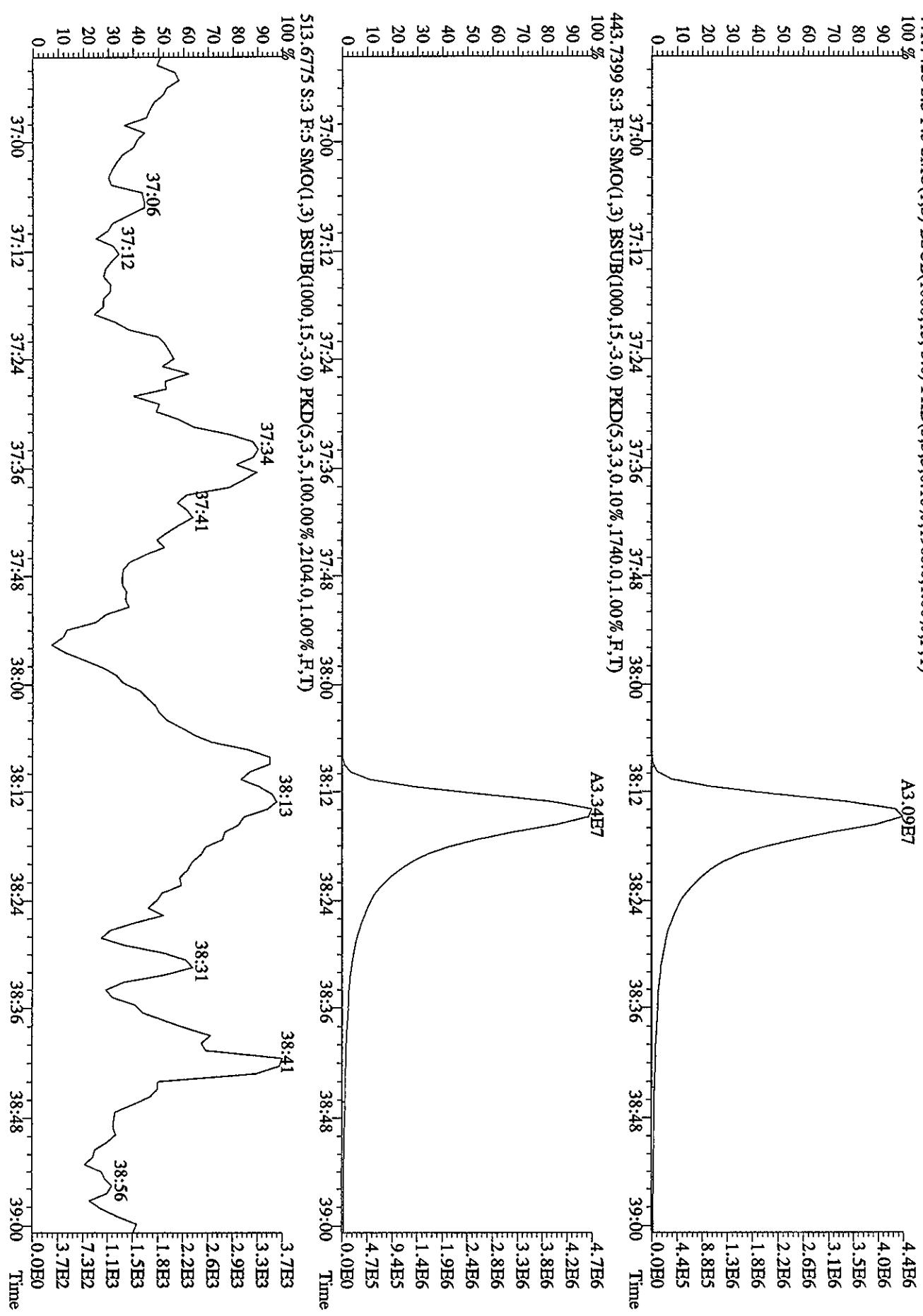


File:#28MR068D5 #1-217 Acq#28-MAR-2006 14:34:55 GC El+ Voltage SIR Autospec-UltimaB
Sample#3 Text:ST0328A :CS3 2565.41C Exp:DIOXIN
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2376.0,1.00%,F,T)
100 % A1.89E7



File:28MAR06D5 #1-157 Acq:28-MAR-2006 14:34:55 GC El+ Voltage SIR Autospec-UltimaE
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%,R,T,
1000)



File:28MR068D5 #1-157 Act:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE

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%,1676.0,1.00%,F,T)

A2.29E7 3.3E6

80 2.6E6

60 2.0E6

40 1.3E6

20 6.5E5

0 0.0E0

Time

37:00

37:12

37:24

37:36

37:48

38:00

38:12

38:24

38:36

38:48

39:00

0.0E0

459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)

A2.53E7 3.6E6

80 2.9E6

60 2.1E6

40 1.4E6

20 7.1E5

0 0.0E0

Time

37:00

37:12

37:24

37:36

37:48

38:00

38:12

38:24

38:36

38:48

39:00

0.0E0

469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16504.0,1.00%,F,T)

A4.14E7 5.8E6

80 4.7E6

60 3.5E6

40 2.3E6

20 1.2E6

0 0.0E0

Time

471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1236.0,1.00%,F,T)

A4.51E7 6.3E6

80 5.1E6

60 3.8E6

40 2.5E6

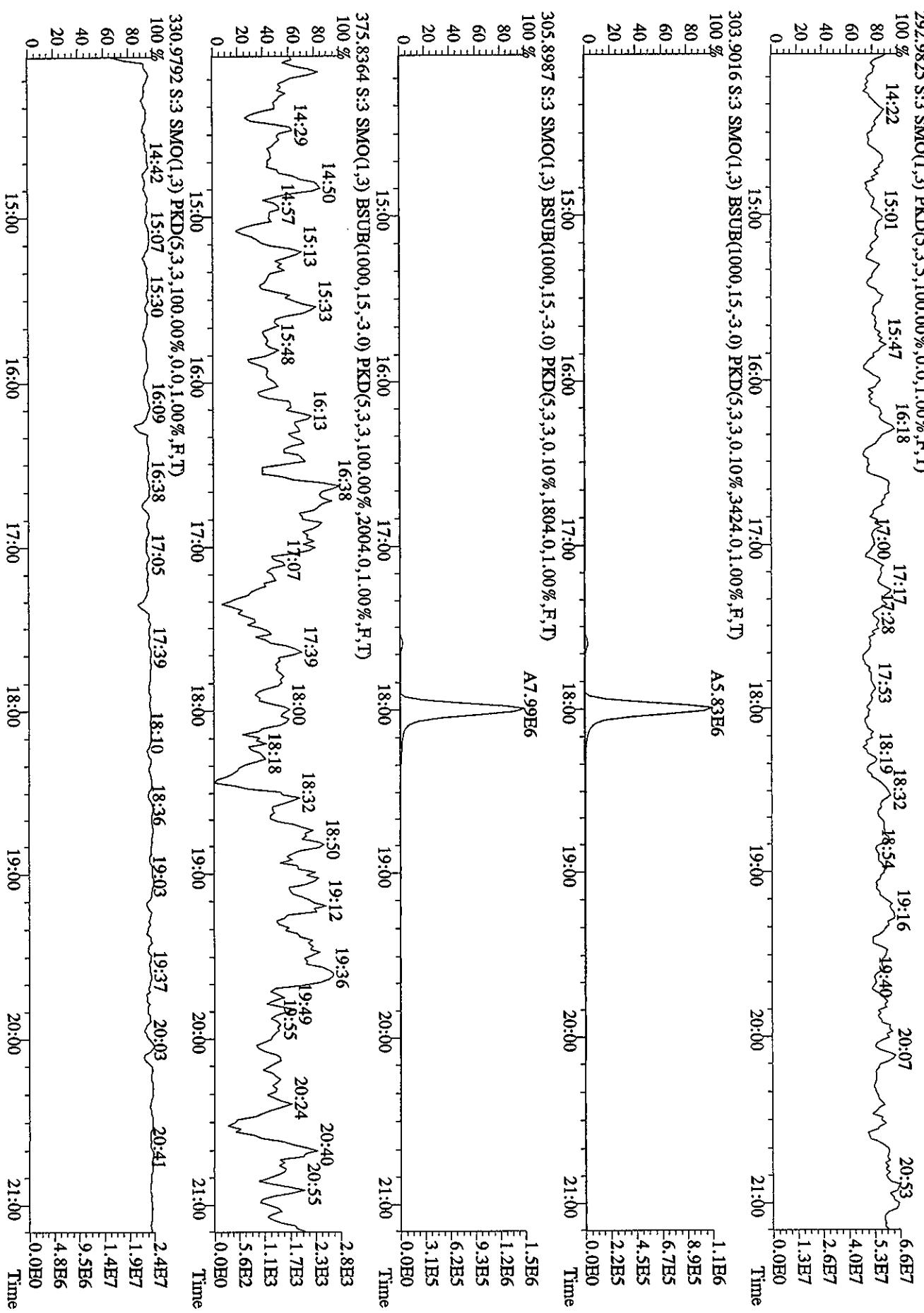
20 1.3E6

0 0.0E0

Time

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

File:28MR068D5 #1-388 Acq:28-MAR-2006 14:34:55 GC El+ ~~Scanned by STO328A~~ ~~CCS3 2555 41G~~ Rev:DIXIT



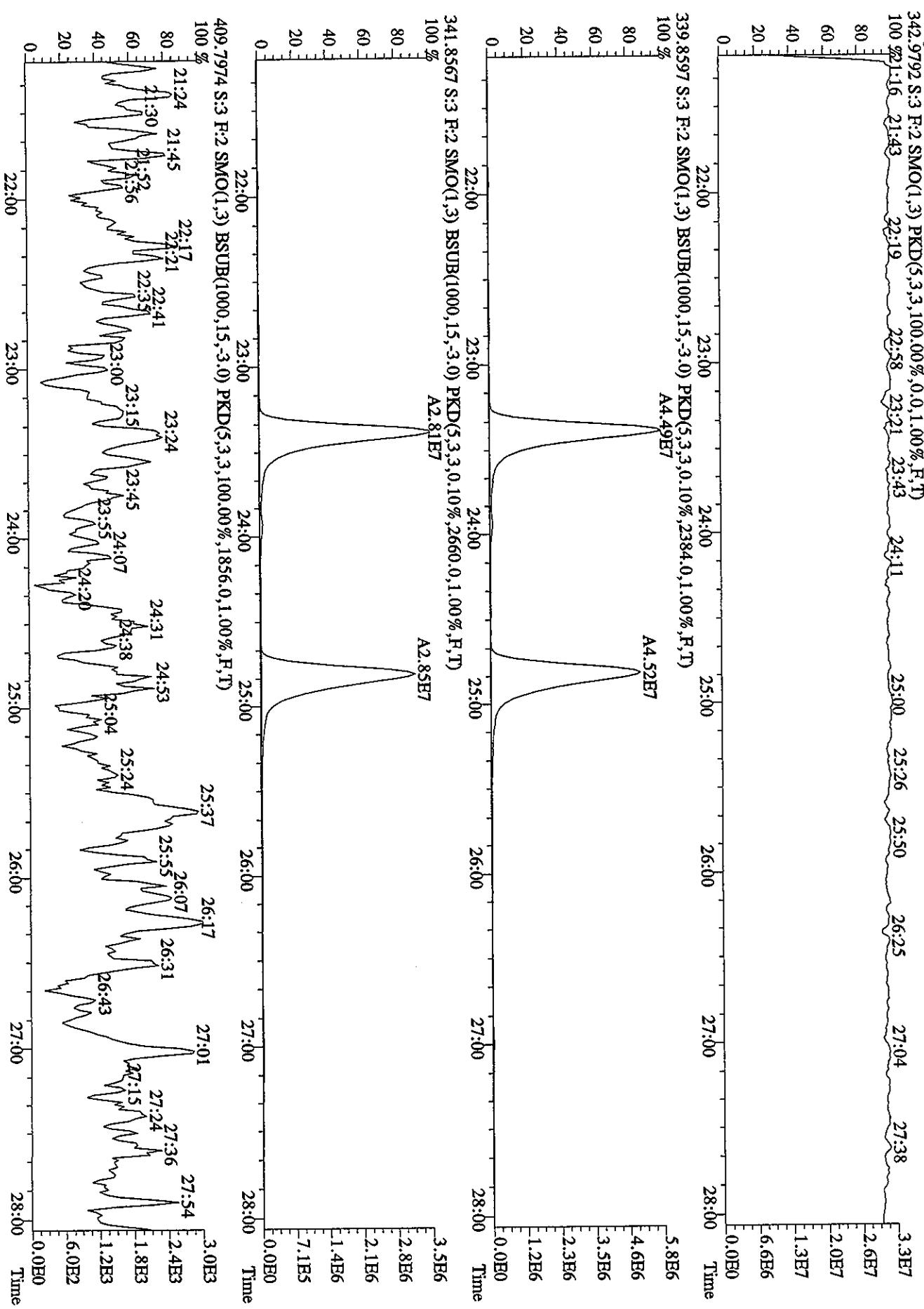
File:28MR068D5 #1-483 Acq:28-MAR-2006 14:34:55 GC El+ Voltage SIR Autospec-UltimaE

Sample#3 Text:S10328A

CL-2303-41C

EXP.DIOXIN

1



File:28MR068D5 #1-378 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR 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)

100 % 28:26 28:45 29:10 29:29 29:48 30:18 30:44 31:11 31:37 31:55 32:18 32:35 33:13 33:40 2.2E7 1.7E7

80 28:26 28:45 29:10 29:29 29:48 30:18 30:44 31:11 31:37 31:55 32:18 32:35 33:13 33:40 1.3E7

60 28:26 28:45 29:10 29:29 29:48 30:18 30:44 31:11 31:37 31:55 32:18 32:35 33:13 33:40 8.7E6

40 28:26 28:45 29:10 29:29 29:48 30:18 30:44 31:11 31:37 31:55 32:18 32:35 33:13 33:40 4.4E6

20 28:26 28:45 29:10 29:29 29:48 30:18 30:44 31:11 31:37 31:55 32:18 32:35 33:13 33:40 0.0E0

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)

100 % A3.56E7 A4.49E7 A3.71E7 A3.15E7 8.1E6

80 6.5E6

60 6.5E6

40 4.9E6

20 3.3E6

0 1.6E6

6.5E6

5.2E6

3.9E6

2.6E6

1.3E6

0.0E0

375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)

100 % A3.56E7 A2.93E7 A2.49E7 A2.49E7 6.5E6

80 5.2E6

60 3.9E6

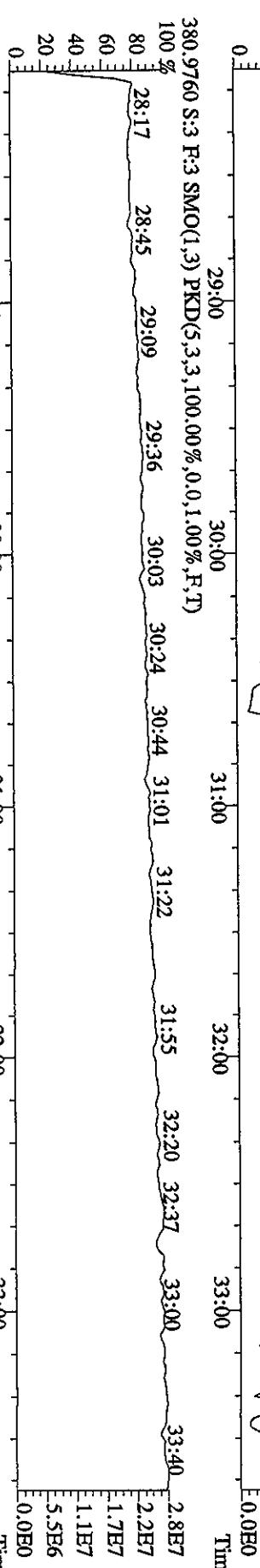
40 2.6E6

20 1.3E6

0 0.0E0

445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2024.0,1.00%,F,T)

100 % 29:00 29:12 29:14 29:16 29:18 29:20 29:22 29:24 29:26 29:28 29:30 29:32 29:34 29:36 29:38 29:40 29:42 29:44 29:46 29:48 29:50 29:52 29:54 29:56 29:58 30:00 30:02 30:04 30:06 30:08 30:10 30:12 30:14 30:16 30:18 30:20 30:22 30:24 30:26 30:28 30:30 30:32 30:34 30:36 30:38 30:40 30:42 30:44 30:46 30:48 30:50 30:52 30:54 30:56 30:58 31:00 31:02 31:04 31:06 31:08 31:10 31:12 31:14 31:16 31:18 31:20 31:22 31:24 31:26 31:28 31:30 31:32 31:34 31:36 31:38 31:40 31:42 31:44 31:46 31:48 31:50 31:52 31:54 31:56 31:58 32:00 32:02 32:04 32:06 32:08 32:10 32:12 32:14 32:16 32:18 32:20 32:22 32:24 32:26 32:28 32:30 32:32 32:34 32:36 32:38 32:40 32:42 32:44 32:46 32:48 32:50 32:52 32:54 32:56 32:58 33:00 33:02 33:04 33:06 33:08 33:10 33:12 33:14 33:16 33:18 33:20 33:22 33:24 33:26 33:28 33:30 33:32 33:34 33:36 33:38 33:40 33:42 33:44 33:46 33:48 33:50 33:52 33:54 33:56 33:58 34:00 34:02 34:04 34:06 34:08 34:10 34:12 34:14 34:16 34:18 34:20 34:22 34:24 34:26 34:28 34:30 34:32 34:34 34:36 34:38 34:40 34:42 34:44 34:46 34:48 34:50 34:52 34:54 34:56 34:58 34:60 34:62 34:64 34:66 34:68 34:70 34:72 34:74 34:76 34:78 34:80 34:82 34:84 34:86 34:88 34:90 34:92 34:94 34:96 34:98 34:100 34:102 34:104 34:106 34:108 34:110 34:112 34:114 34:116 34:118 34:120 34:122 34:124 34:126 34:128 34:130 34:132 34:134 34:136 34:138 34:140 34:142 34:144 34:146 34:148 34:150 34:152 34:154 34:156 34:158 34:160 34:162 34:164 34:166 34:168 34:170 34:172 34:174 34:176 34:178 34:180 34:182 34:184 34:186 34:188 34:190 34:192 34:194 34:196 34:198 34:200 34:202 34:204 34:206 34:208 34:210 34:212 34:214 34:216 34:218 34:220 34:222 34:224 34:226 34:228 34:230 34:232 34:234 34:236 34:238 34:240 34:242 34:244 34:246 34:248 34:250 34:252 34:254 34:256 34:258 34:260 34:262 34:264 34:266 34:268 34:270 34:272 34:274 34:276 34:278 34:280 34:282 34:284 34:286 34:288 34:290 34:292 34:294 34:296 34:298 34:300 34:302 34:304 34:306 34:308 34:310 34:312 34:314 34:316 34:318 34:320 34:322 34:324 34:326 34:328 34:330 34:332 34:334 34:336 34:338 34:340 34:342 34:344 34:346 34:348 34:350 34:352 34:354 34:356 34:358 34:360 34:362 34:364 34:366 34:368 34:370 34:372 34:374 34:376 34:378 34:380 34:382 34:384 34:386 34:388 34:390 34:392 34:394 34:396 34:398 34:400 34:402 34:404 34:406 34:408 34:410 34:412 34:414 34:416 34:418 34:420 34:422 34:424 34:426 34:428 34:430 34:432 34:434 34:436 34:438 34:440 34:442 34:444 34:446 34:448 34:450 34:452 34:454 34:456 34:458 34:460 34:462 34:464 34:466 34:468 34:470 34:472 34:474 34:476 34:478 34:480 34:482 34:484 34:486 34:488 34:490 34:492 34:494 34:496 34:498 34:500 34:502 34:504 34:506 34:508 34:510 34:512 34:514 34:516 34:518 34:520 34:522 34:524 34:526 34:528 34:530 34:532 34:534 34:536 34:538 34:540 34:542 34:544 34:546 34:548 34:550 34:552 34:554 34:556 34:558 34:560 34:562 34:564 34:566 34:568 34:570 34:572 34:574 34:576 34:578 34:580 34:582 34:584 34:586 34:588 34:590 34:592 34:594 34:596 34:598 34:600 34:602 34:604 34:606 34:608 34:610 34:612 34:614 34:616 34:618 34:620 34:622 34:624 34:626 34:628 34:630 34:632 34:634 34:636 34:638 34:640 34:642 34:644 34:646 34:648 34:650 34:652 34:654 34:656 34:658 34:660 34:662 34:664 34:666 34:668 34:670 34:672 34:674 34:676 34:678 34:680 34:682 34:684 34:686 34:688 34:690 34:692 34:694 34:696 34:698 34:700 34:702 34:704 34:706 34:708 34:710 34:712 34:714 34:716 34:718 34:720 34:722 34:724 34:726 34:728 34:730 34:732 34:734 34:736 34:738 34:740 34:742 34:744 34:746 34:748 34:750 34:752 34:754 34:756 34:758 34:760 34:762 34:764 34:766 34:768 34:770 34:772 34:774 34:776 34:778 34:780 34:782 34:784 34:786 34:788 34:790 34:792 34:794 34:796 34:798 34:800 34:802 34:804 34:806 34:808 34:810 34:812 34:814 34:816 34:818 34:820 34:822 34:824 34:826 34:828 34:830 34:832 34:834 34:836 34:838 34:840 34:842 34:844 34:846 34:848 34:850 34:852 34:854 34:856 34:858 34:860 34:862 34:864 34:866 34:868 34:870 34:872 34:874 34:876 34:878 34:880 34:882 34:884 34:886 34:888 34:890 34:892 34:894 34:896 34:898 34:900 34:902 34:904 34:906 34:908 34:910 34:912 34:914 34:916 34:918 34:920 34:922 34:924 34:926 34:928 34:930 34:932 34:934 34:936 34:938 34:940 34:942 34:944 34:946 34:948 34:950 34:952 34:954 34:956 34:958 34:960 34:962 34:964 34:966 34:968 34:970 34:972 34:974 34:976 34:978 34:980 34:982 34:984 34:986 34:988 34:990 34:992 34:994 34:996 34:998 34:1000

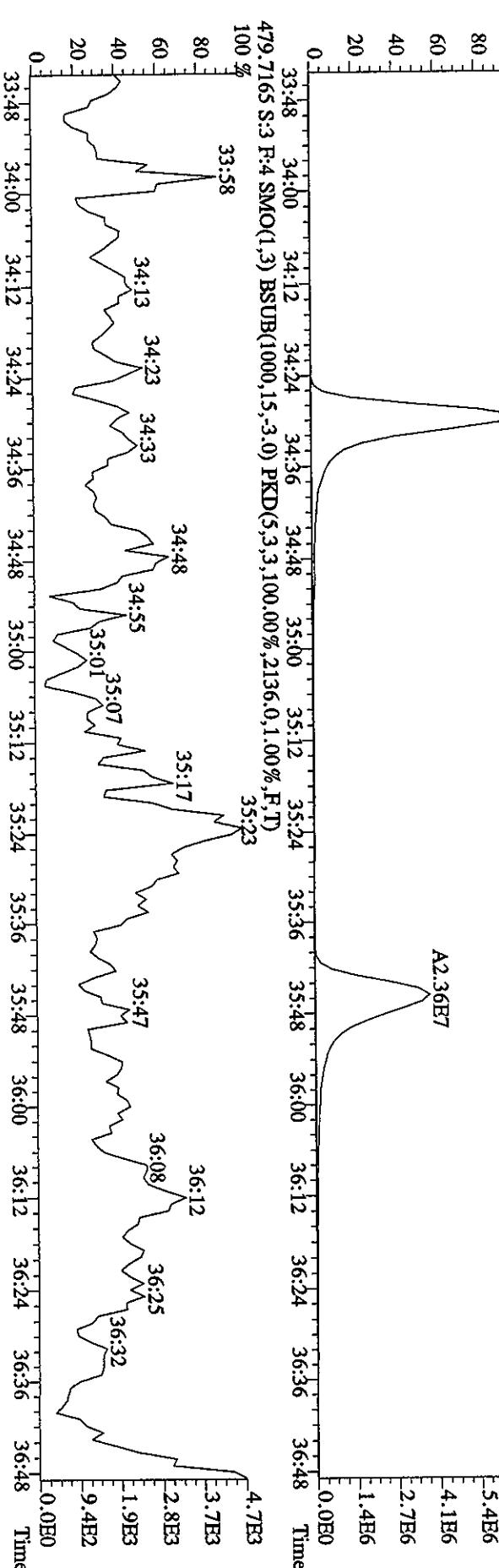
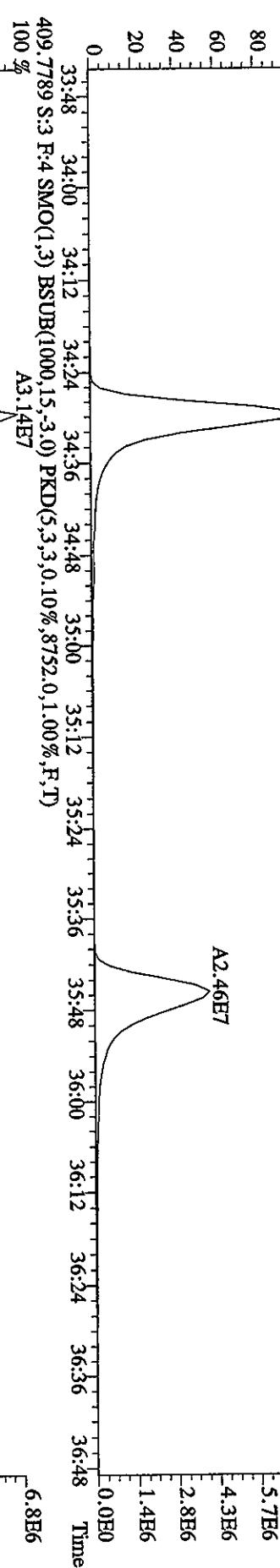
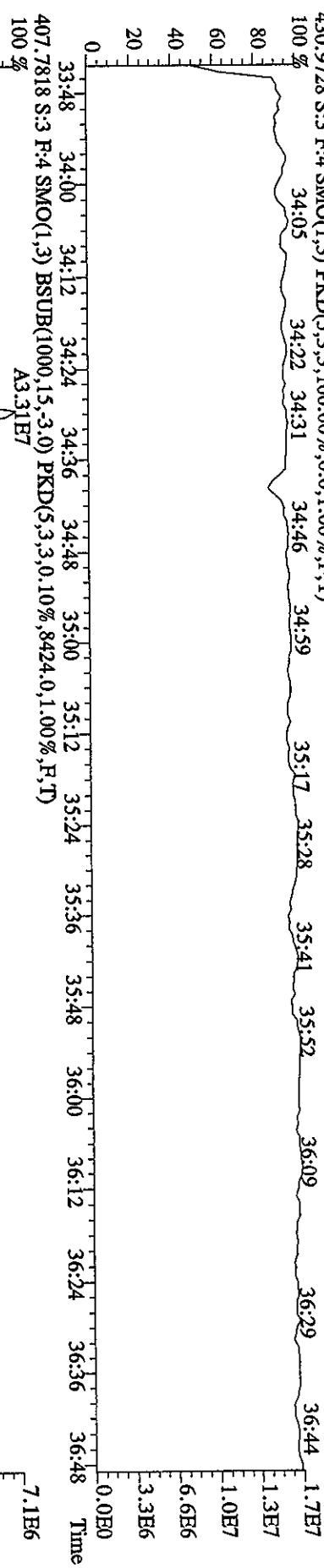


File:28MR068D5 #1-217 Acq:28-MAR-2006 14:34:55 GC El+ Voltage SIR Autospec-Ultima

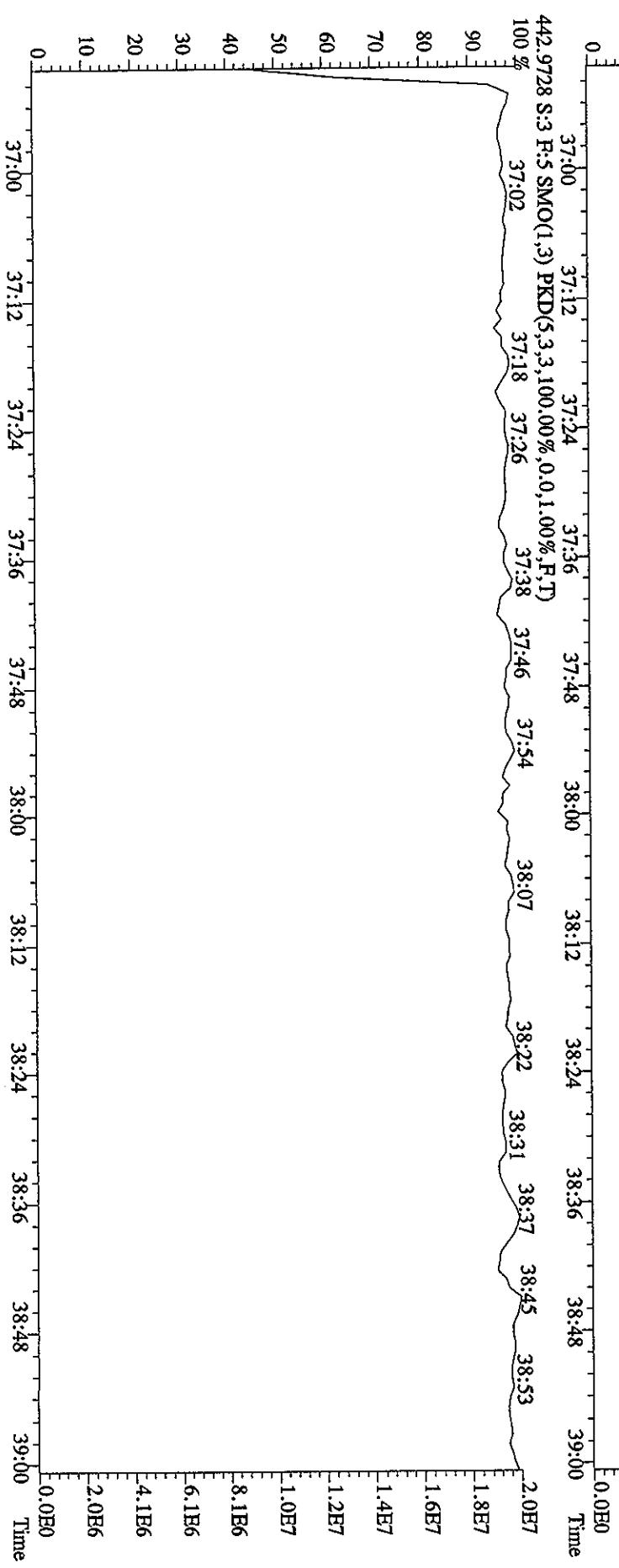
Sample#3 Text:ST0328A :CS3 2363-41C Exp:BioXIM

Exp: BLOXIN

2

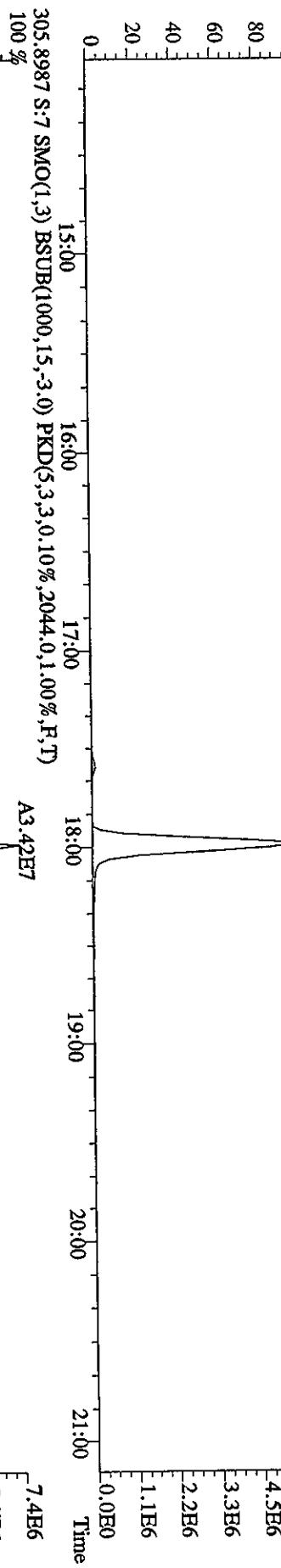


File:28MR068D5 #1-157 Acq:28-MAR-2006 14:34:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample:#3 Text:ST0328A :CS3 2565-41C Exp:DIOXIN
454.9728 S:3 R:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)
100 %36:54 37:01 37:10 37:28 37:38 37:55 38:01 38:08 38:27 38:43 38:53 1.7E7
90
80
70
60
50
40
30
20
10
0



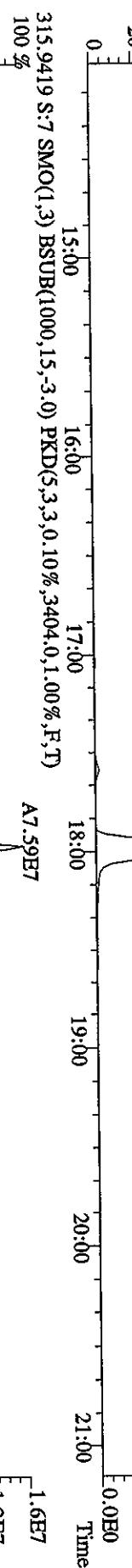
File:23MR068D5 #1-388 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2712.0,1.00%,F,T)

5.6E6
4.5E6
3.3E6
2.2E6
1.1E6
0.0E0



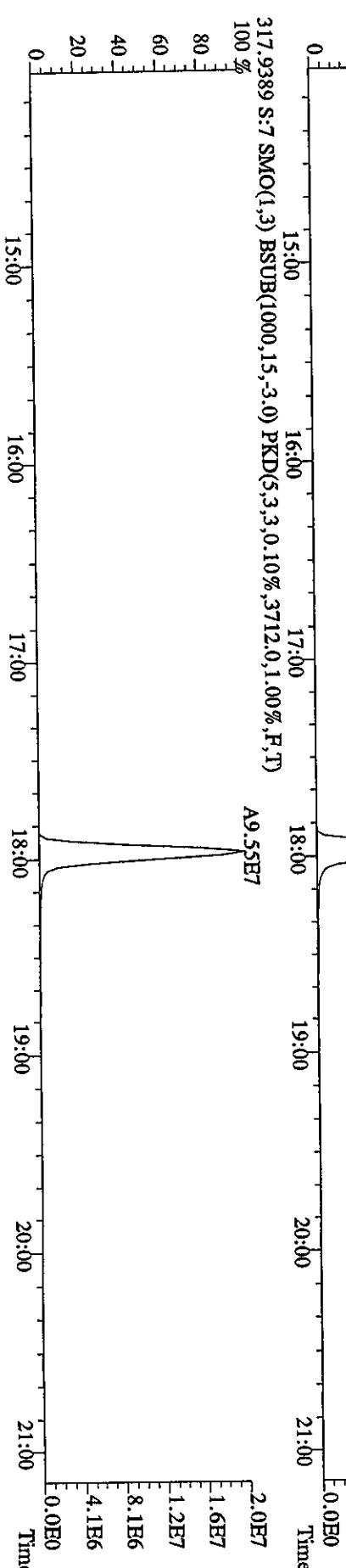
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2044.0,1.00%,F,T) A3.42E7

7.4E6
5.9E6
4.5E6
3.0E6
1.5E6
0.0E0



315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3404.0,1.00%,F,T) A7.59E7

1.6E7
1.3E7
9.6E6
6.4E6
3.2E6
0.0E0



317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3712.0,1.00%,F,T) A9.55E7

2.0E7
1.6E7
1.2E7
8.1E6
4.1E6
0.0E0

File:23MR068DS #1-388 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE

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%,3024.0,1.00%,F,T)

100 %

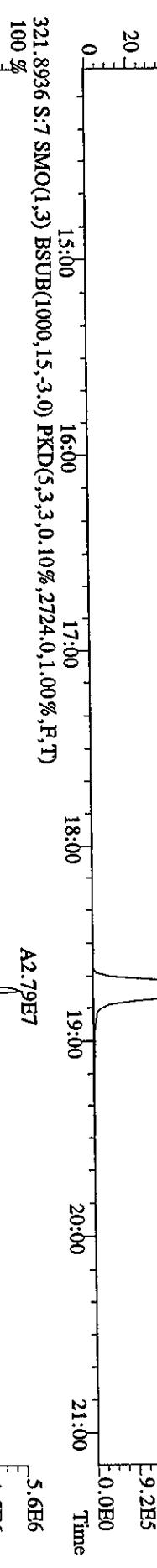
80

60

40

20

0



331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5212.0,1.00%,F,T)

100 %

80

60

40

20

0

15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

A4.47E7

A3.87E7

9.4E6

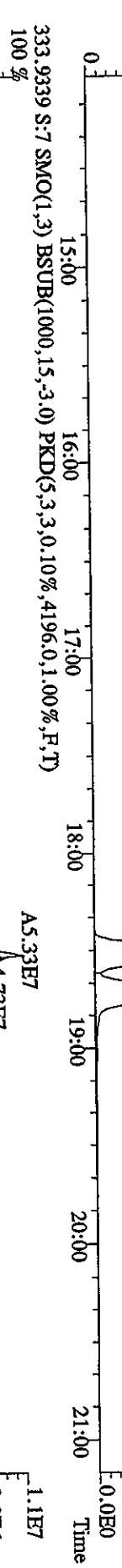
7.5E6

5.6E6

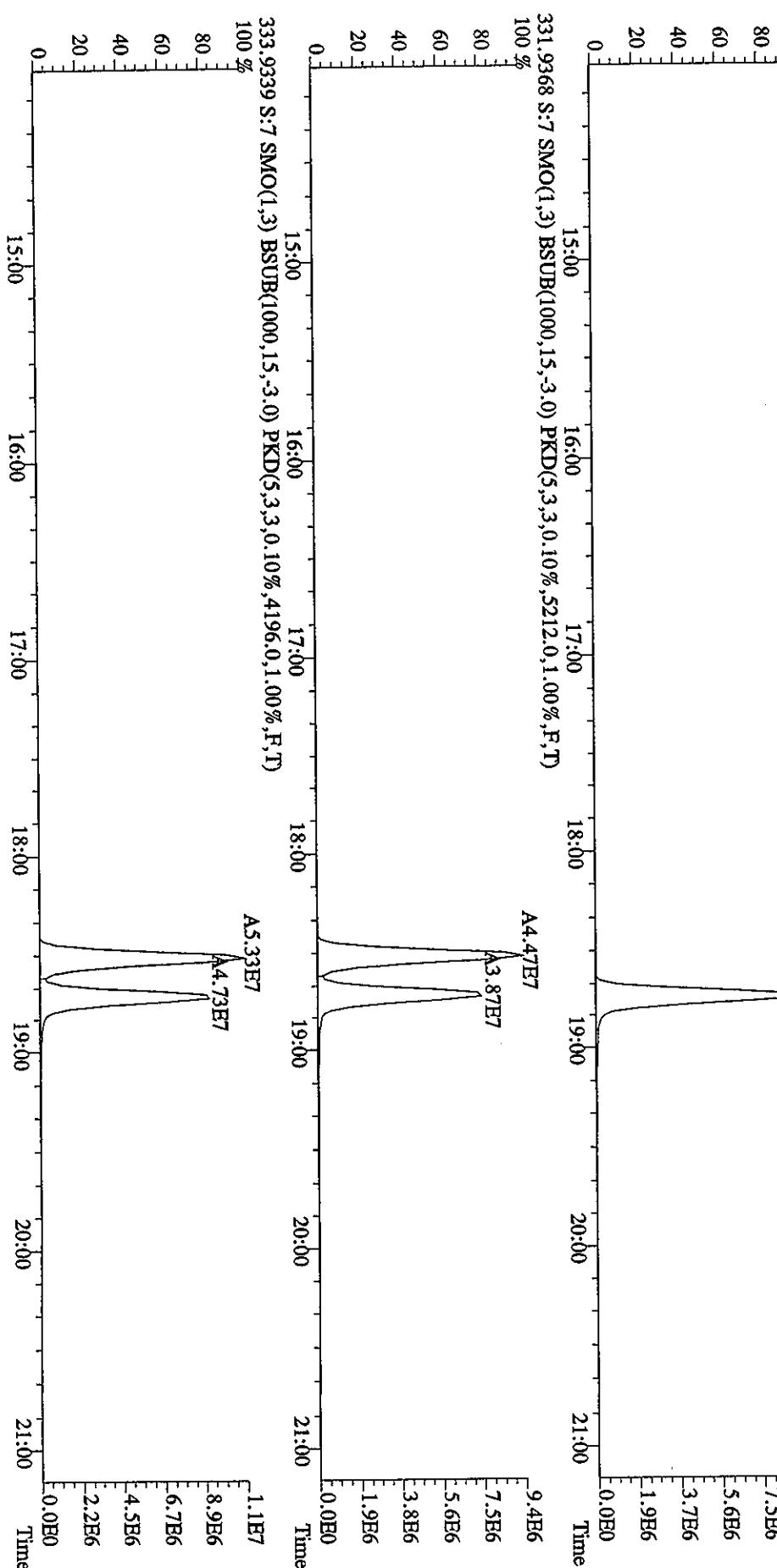
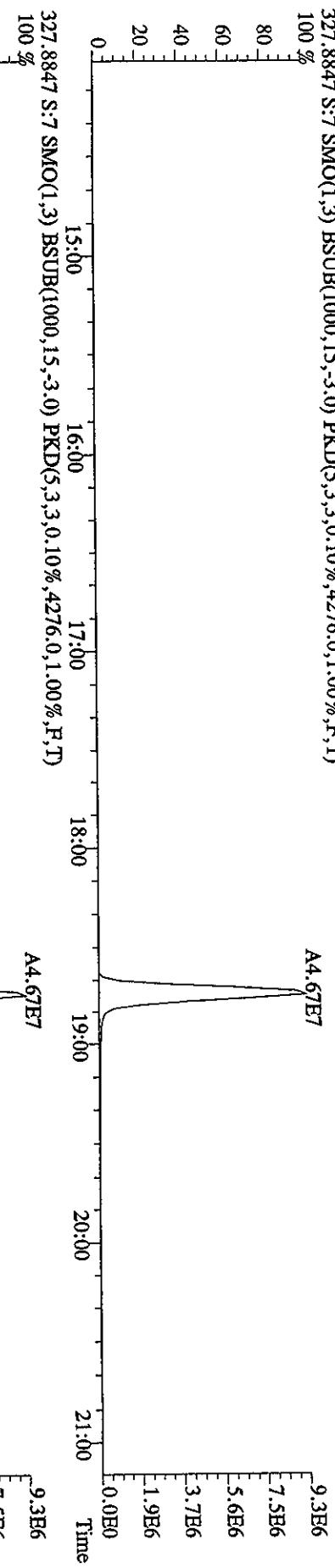
3.8E6

1.9E6

0.0E0



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)



File:28MR068D5 #1484 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaH

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

2.9E7

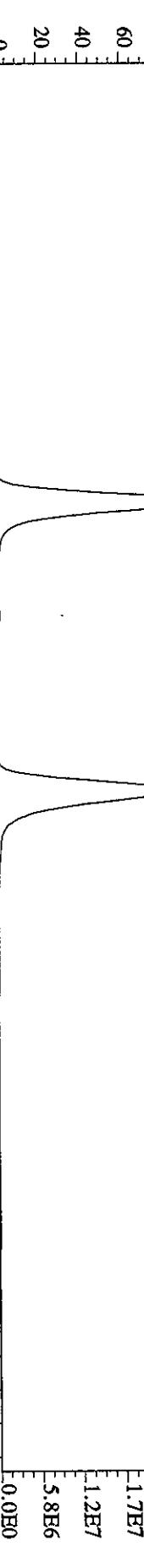
2.3E7

1.7E7

1.2E7

5.8E6

A1.93E8



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)

100 % A1.20E8

1.8E7

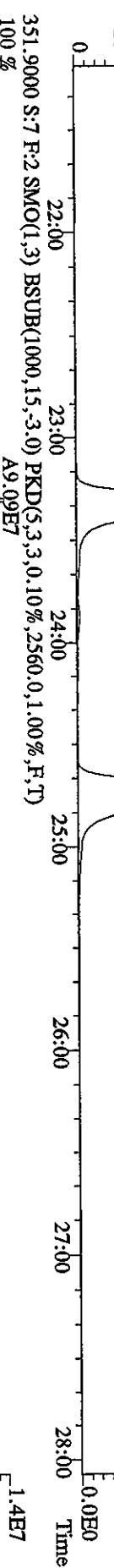
1.4E7

1.1E7

7.2E6

3.6E6

A1.23E8



351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2560.0,1.00%,F,T)

100 % A9.09E7

1.4E7

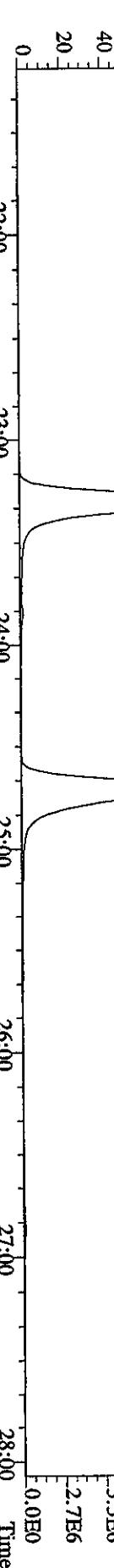
1.1E7

8.2E6

5.5E6

2.7E6

A8.48E7



353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5048.0,1.00%,F,T)

100 % A5.65E7

8.6E6

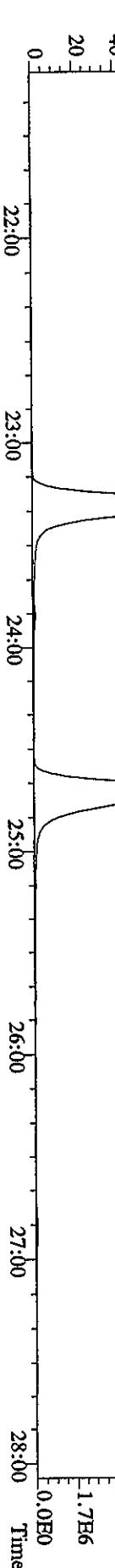
6.9E6

5.2E6

3.4E6

1.7E6

A5.30E7



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
355.8346 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3364.0,1.00%,F,T)

A1.11E8

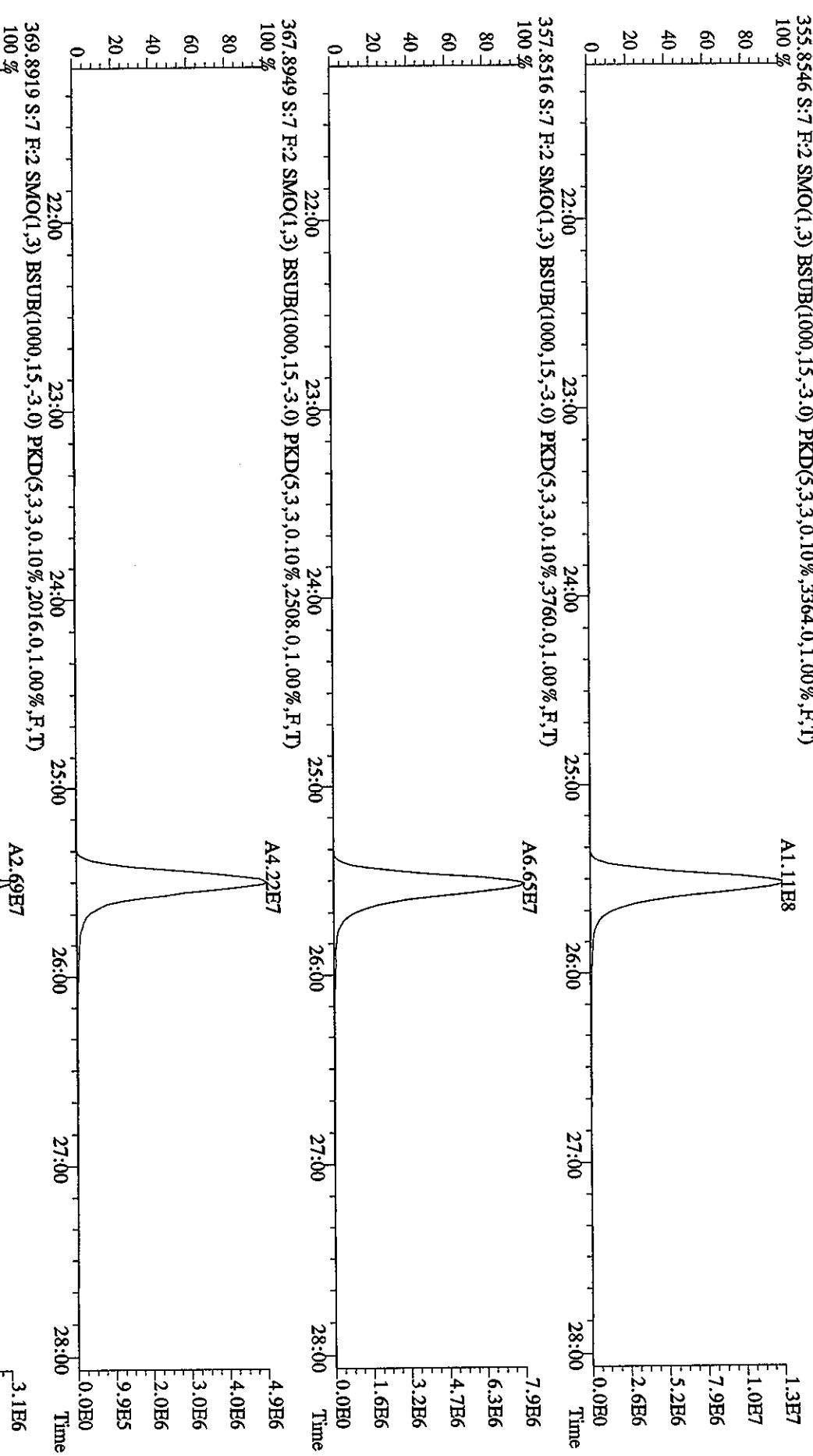
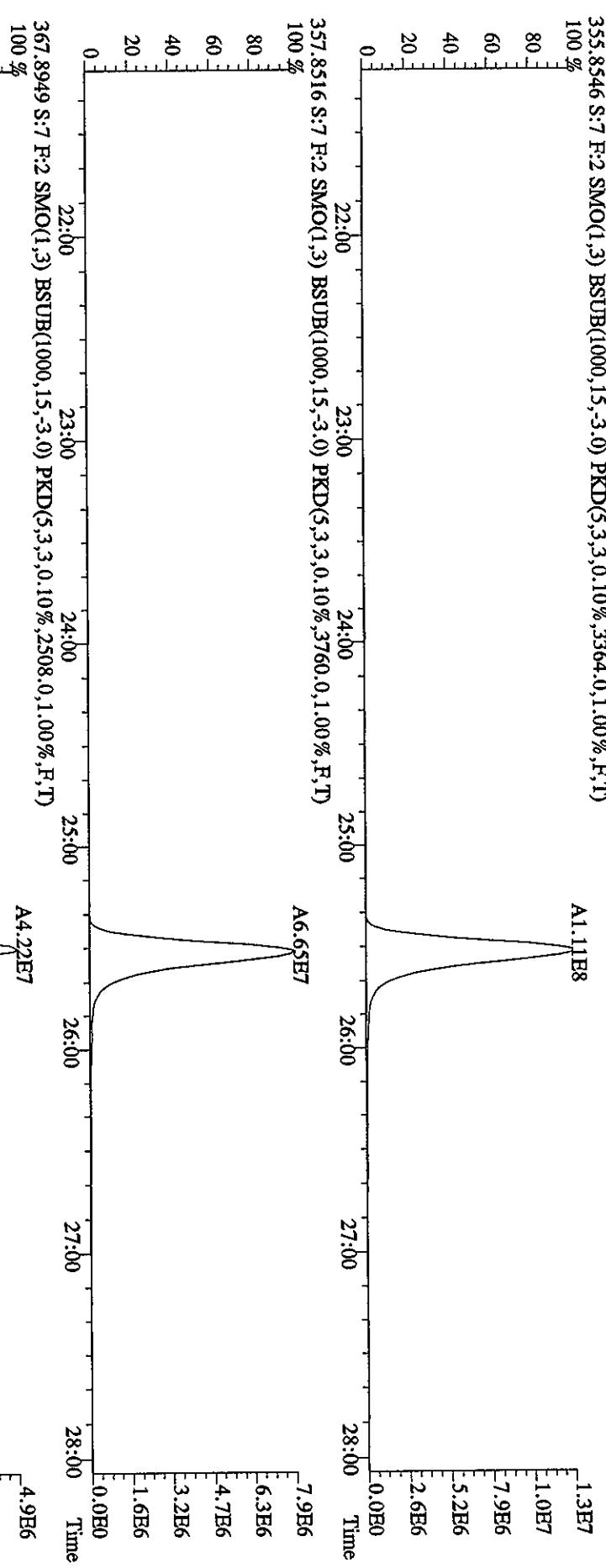
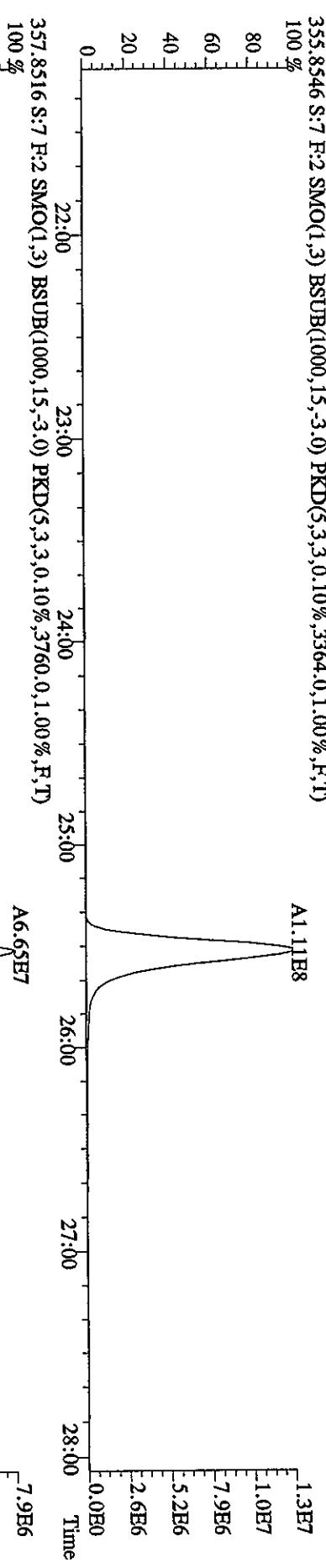
1.3E7

1.0E7

7.9E6

5.2E6

2.6E6



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)

100 % A1.60E8 A1.87E8 A1.53E8

3.7E7

2.9E7

2.2E7

1.5E7

7.4E6

0.0E0



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)
100 % A1.43E8 A1.24E8 A1.12E8
80
60
40
20
0

2.9E7

2.3E7

1.7E7

1.2E7

5.8E6

0.0E0



383.8639 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1576.0,1.00%,F,T)
100 % A4.82E7 A4.26E7 A3.71E7
80
60
40
20
0

9.0E6

7.2E6

5.4E6

3.6E6

1.8E6

0.0E0



385.8610 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2116.0,1.00%,F,T)
100 % A8.50E7 A7.99E7 A6.90E7
80
60
40
20
0

1.7E7

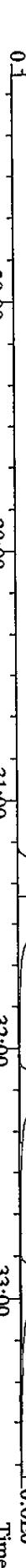
1.3E7

1.0E7

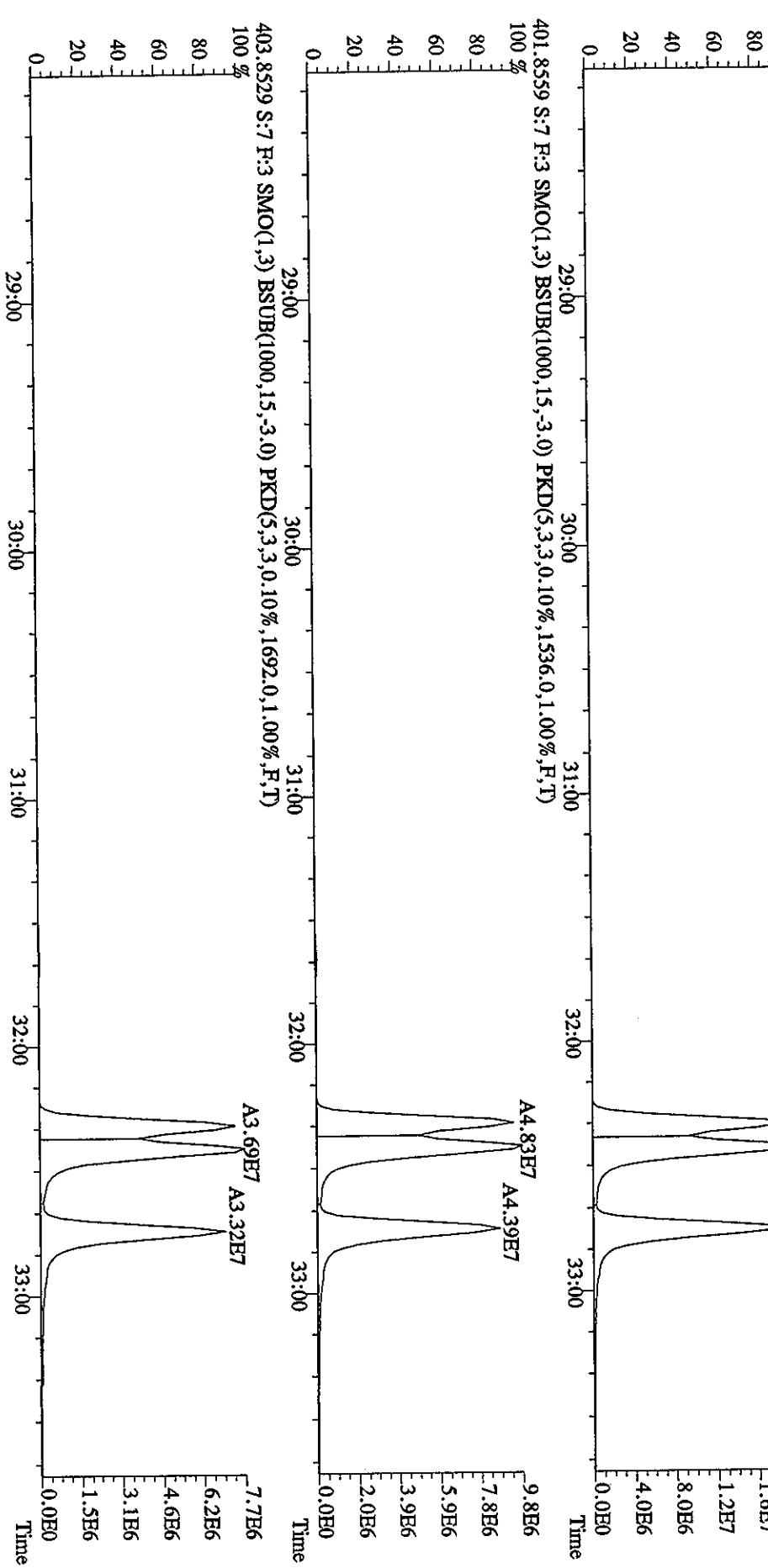
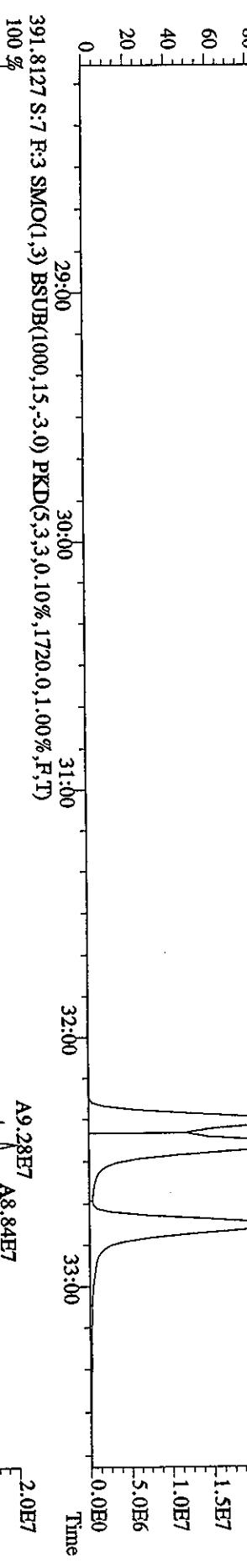
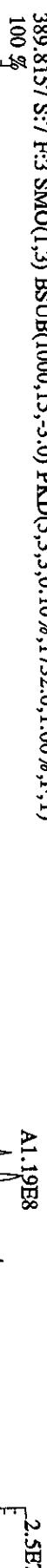
6.7E6

3.4E6

0.0E0

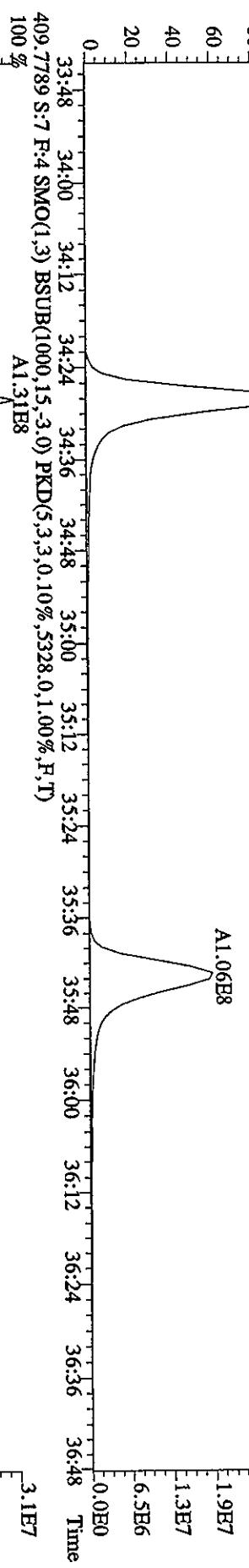


File:28MR068D5 #1-378 Act:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0328E Exp:DIOXIN
389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1732.0,1.00%,F,T)

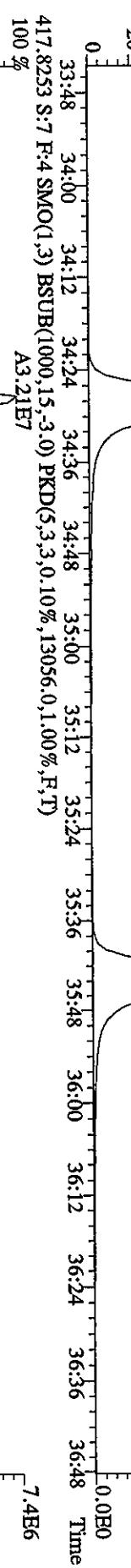


File:28MR068DS #1-216 Act:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0328E Exp:DIOXIN
 :CS4 2565-41D :
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11592.0,1.00%,F,T)
 100 % A1.36E8

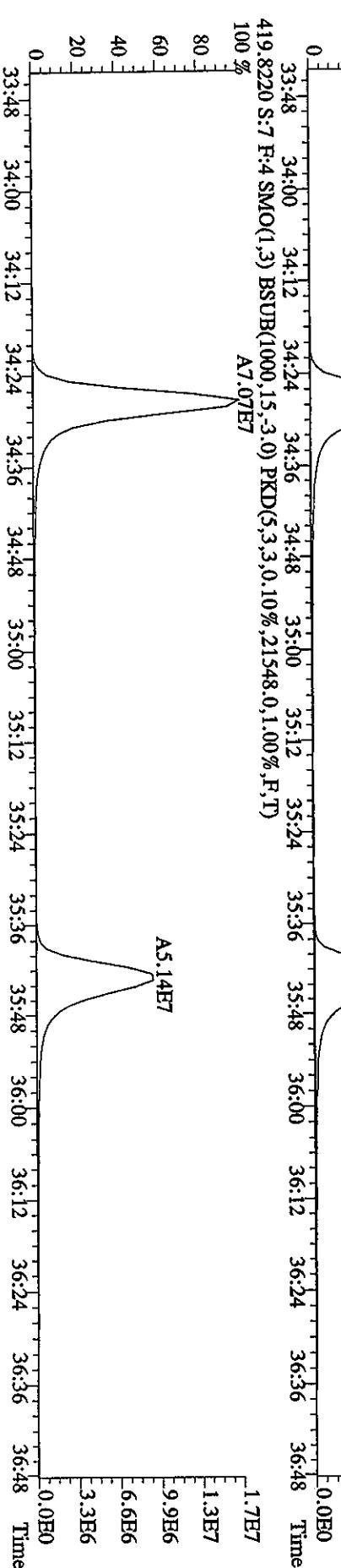
3.2E7
 2.6E7
 1.9E7
 1.3E7
 6.5E6
 3.1E7
 2.5E7
 1.9E7
 1.2E7
 6.2E6



A1.02E8

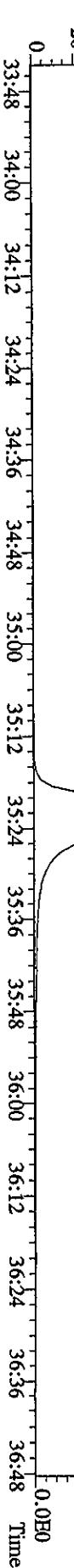
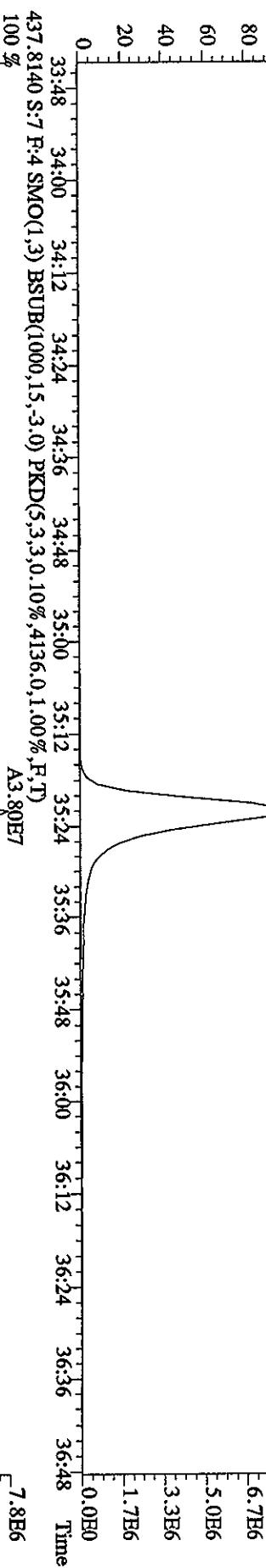
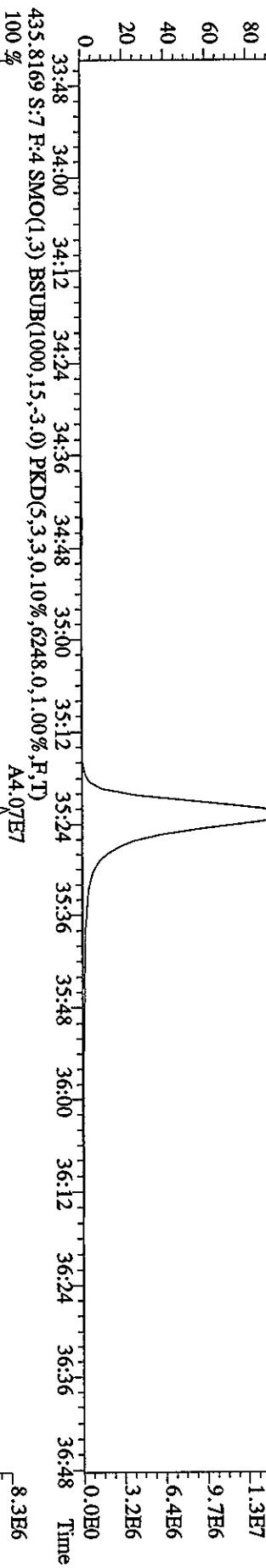
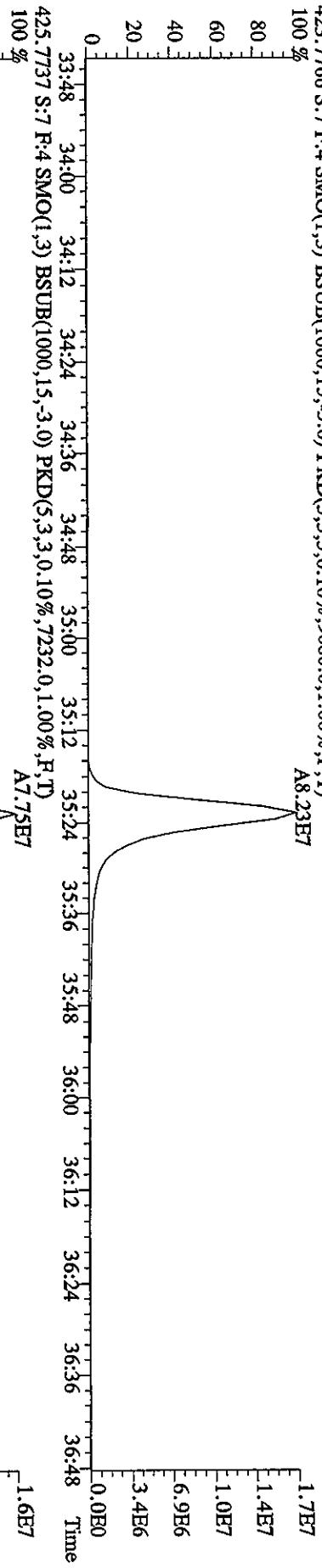


A2.34E7

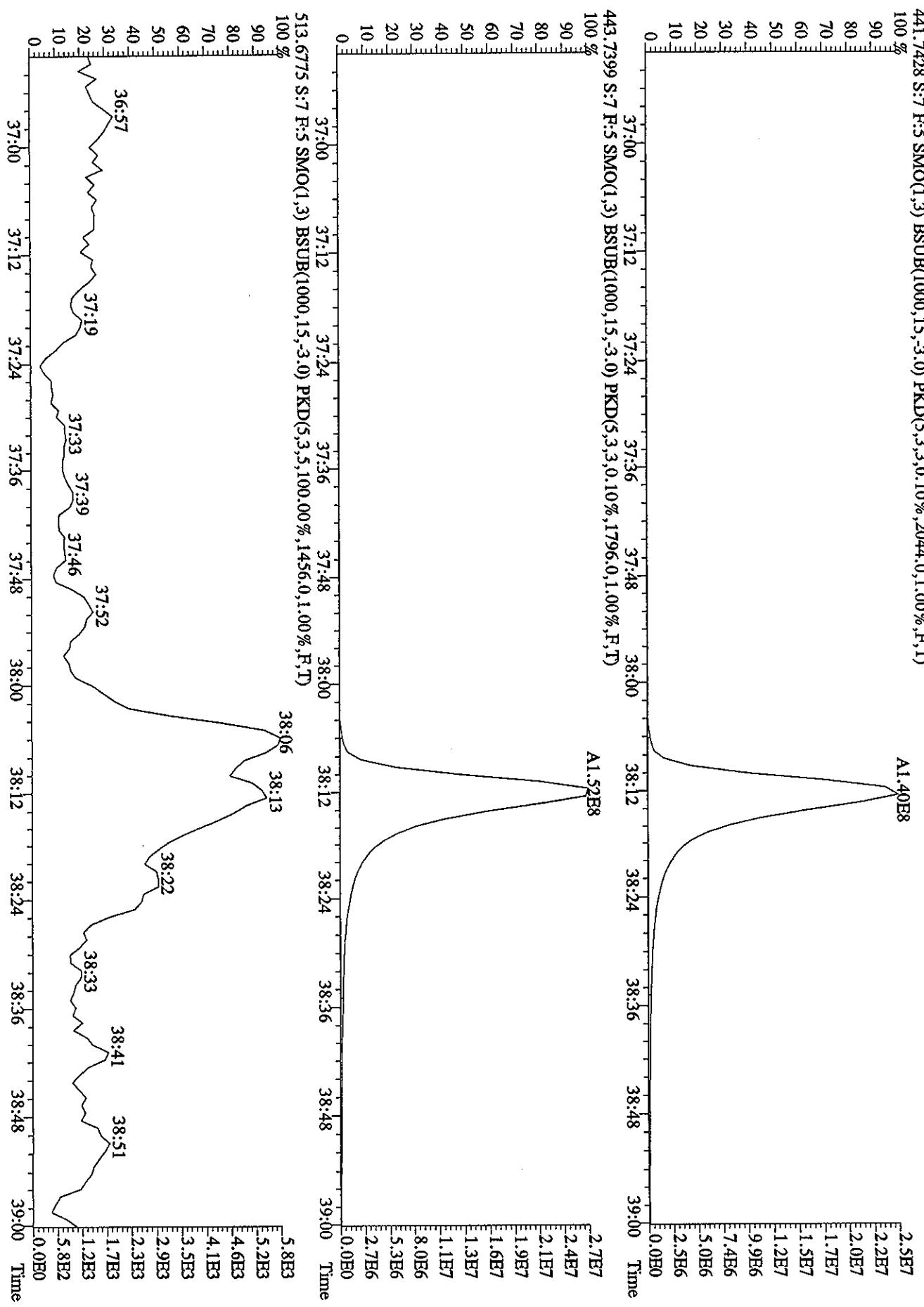


A5.14E7

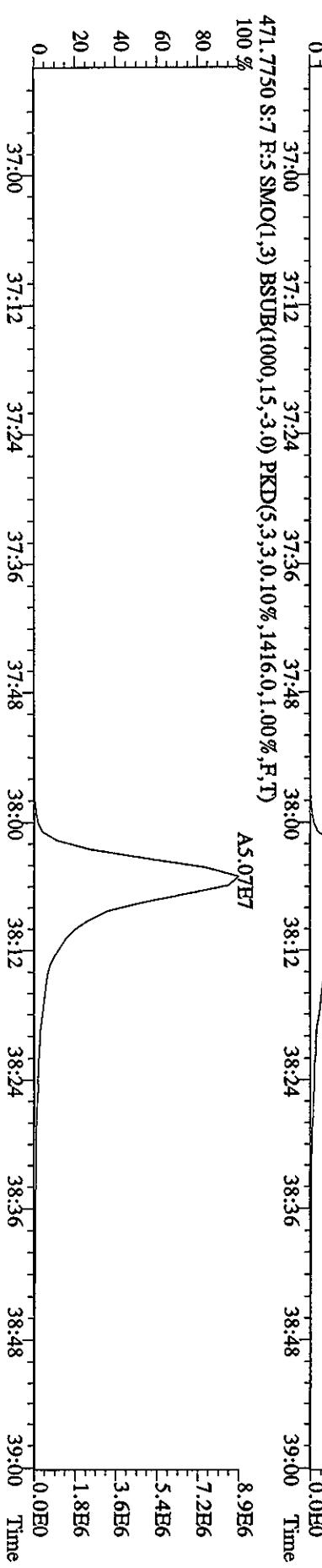
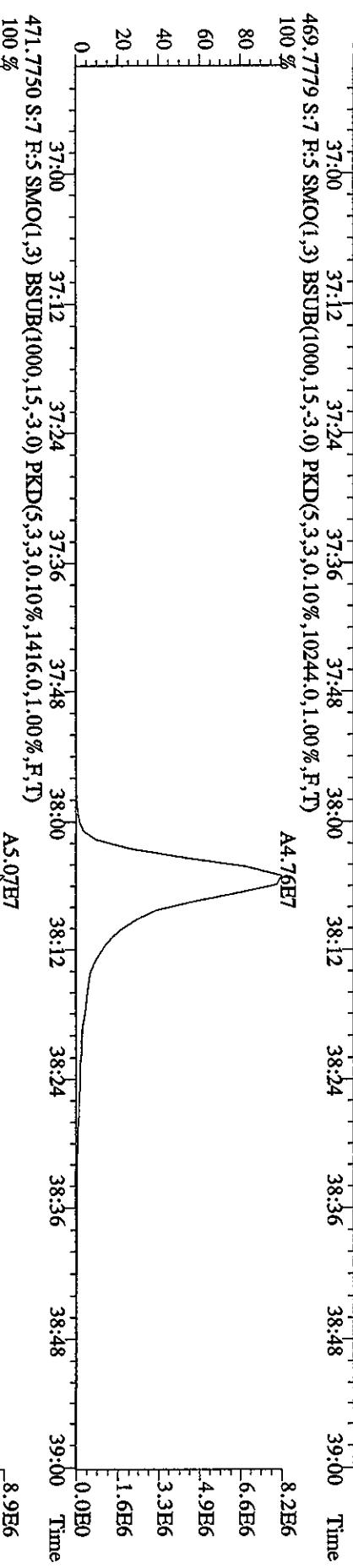
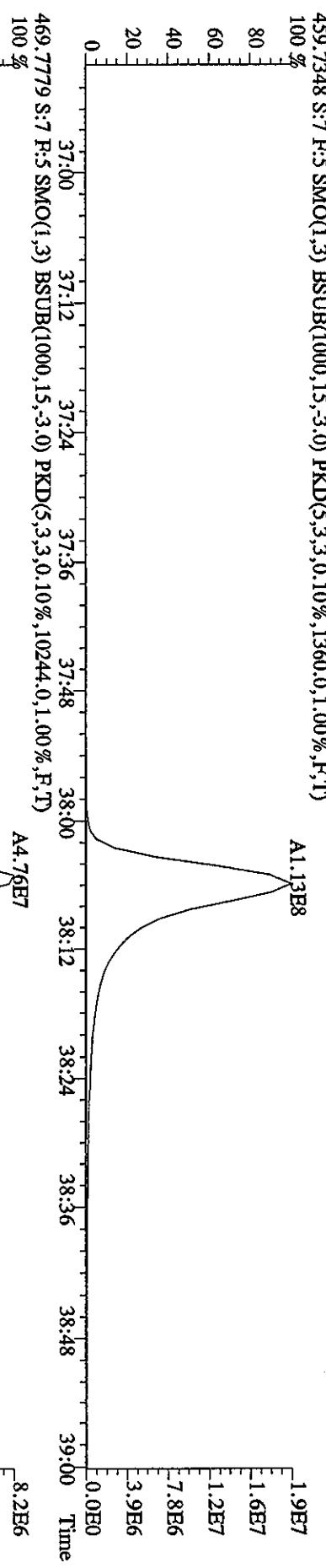
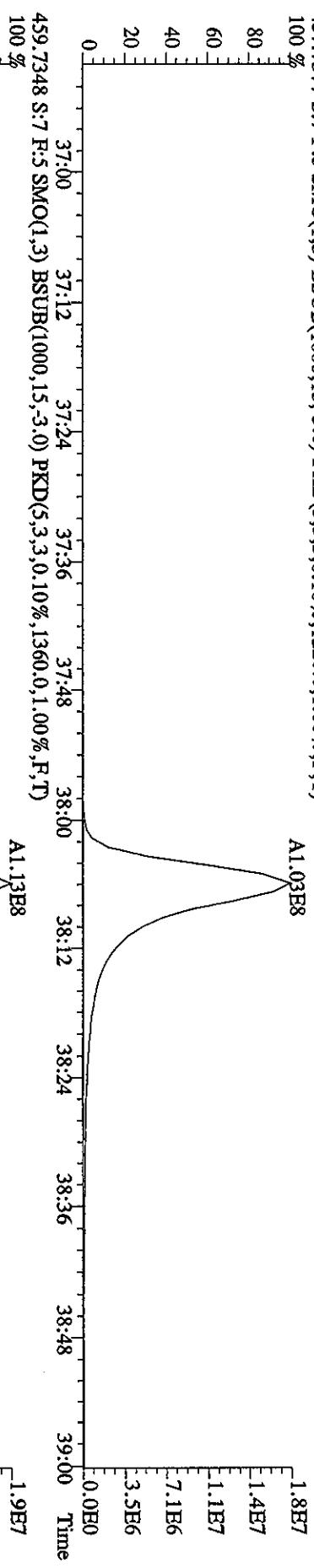
File:28MR068D5 #1-216 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR AutoSpec-UltimaB
 Sample#7 Text:ST0328E Exp:DIOXIN
 :CS4 2565.41D 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9080.0,1.00%,F,T)
 100 % A8.23E7



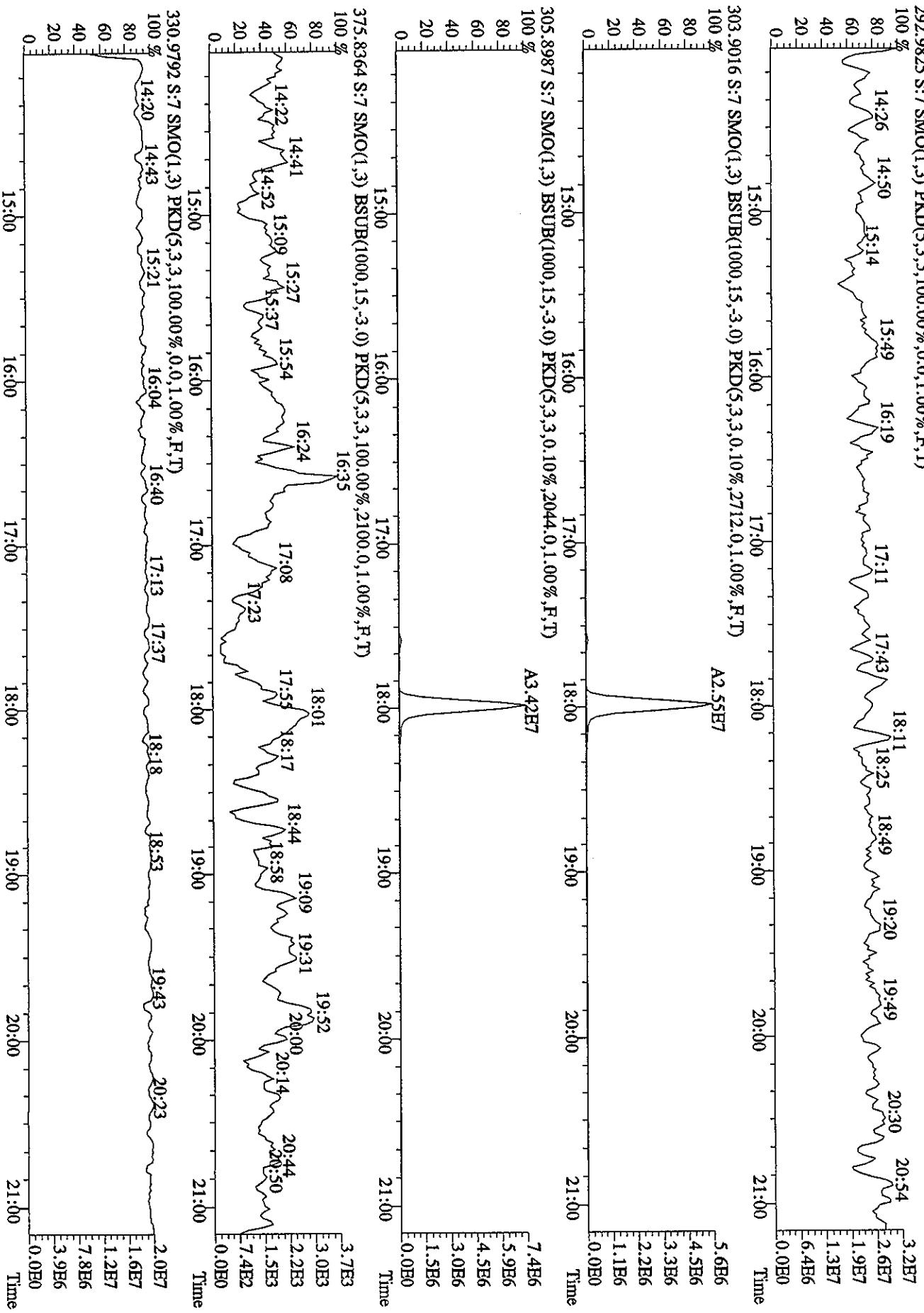
File:28MR068D5 #1-157 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaB
Sample#:7 Text:ST0328E :CS4 2565-41D Exp:DIOXIN
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2044.0,1.00%,F,T)



File:28MR068D5 #1-157 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE
 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%,R,T)
 100 % A1.03E8



File:2BMR068D5 #1-388 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE
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-UltimaE

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)

100 % 21:38 22:01 22:49 23:18 23:49 24:28 24:55 25:21 26:01 26:32 26:59 27:21 27:47 2.3E7

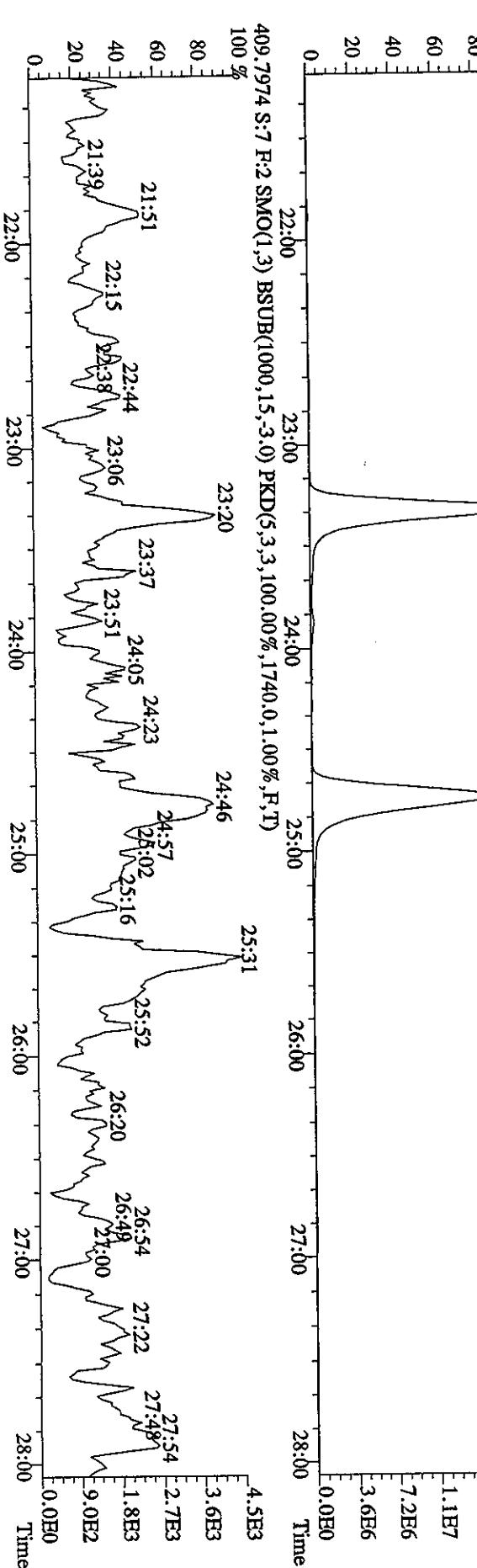
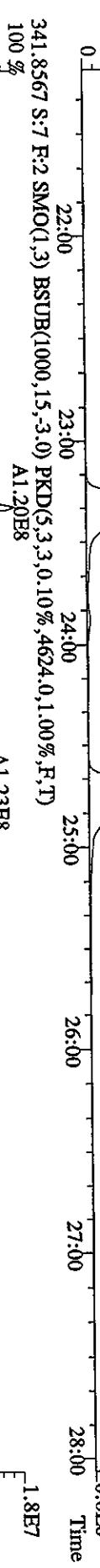
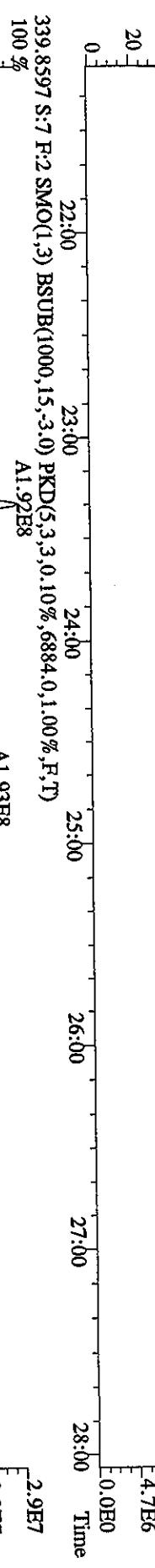
80 21:38 22:01 22:49 23:18 23:49 24:28 24:55 25:21 26:01 26:32 26:59 27:21 27:47 1.9E7

60 21:38 22:01 22:49 23:18 23:49 24:28 24:55 25:21 26:01 26:32 26:59 27:21 27:47 1.4E7

40 21:38 22:01 22:49 23:18 23:49 24:28 24:55 25:21 26:01 26:32 26:59 27:21 27:47 1.4E7

20 21:38 22:01 22:49 23:18 23:49 24:28 24:55 25:21 26:01 26:32 26:59 27:21 27:47 9.4E6

0 21:38 22:01 22:49 23:18 23:49 24:28 24:55 25:21 26:01 26:32 26:59 27:21 27:47 4.7E6



File:28MR068D5 #1-378 Acq:28-MAR-2006 17:22:16 GC El+ Voltage SIR Autospec-UltimaE

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

392.9760 S:7 R:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 28:23 28:47 29:04 29:21 29:40 30:05 30:26 30:48 31:15 31:51 32:15 32:54 33:19 1.4E7

80 28:23 28:47 29:04 29:21 29:40 30:05 30:26 30:48 31:15 31:51 32:15 32:54 33:19 1.1E7

60 28:23 28:47 29:04 29:21 29:40 30:05 30:26 30:48 31:15 31:51 32:15 32:54 33:19 8.6E6

40 28:23 28:47 29:04 29:21 29:40 30:05 30:26 30:48 31:15 31:51 32:15 32:54 33:19 5.7E6

20 28:23 28:47 29:04 29:21 29:40 30:05 30:26 30:48 31:15 31:51 32:15 32:54 33:19 2.9E6

0 28:23 28:47 29:04 29:21 29:40 30:05 30:26 30:48 31:15 31:51 32:15 32:54 33:19 0.0E0

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)

100 % A1.87E8 A1.53E8 A1.42E8 A1.42E8

80 A1.87E8 A1.53E8 A1.42E8 A1.42E8

60 A1.87E8 A1.53E8 A1.42E8 A1.42E8

40 A1.87E8 A1.53E8 A1.42E8 A1.42E8

20 A1.87E8 A1.53E8 A1.42E8 A1.42E8

0 A1.87E8 A1.53E8 A1.42E8 A1.42E8

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)

100 % A1.48E8 A1.24E8 A1.12E8 A1.12E8

80 A1.48E8 A1.24E8 A1.12E8 A1.12E8

60 A1.48E8 A1.24E8 A1.12E8 A1.12E8

40 A1.48E8 A1.24E8 A1.12E8 A1.12E8

20 A1.48E8 A1.24E8 A1.12E8 A1.12E8

0 A1.48E8 A1.24E8 A1.12E8 A1.12E8

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)

100 % 29:00 30:00 31:00 32:00 33:00 Time

80 29:00 30:00 31:00 32:00 33:00 Time

60 29:00 30:00 31:00 32:00 33:00 Time

31:20 32:21 32:26 32:46 7.4E3

31:20 32:21 32:26 32:46 5.9E3

31:20 32:21 32:26 32:46 4.4E3

31:20 32:21 32:26 32:46 3.0E3

31:20 32:21 32:26 32:46 1.5E3

31:20 32:21 32:26 32:46 0.0E0

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

100 % 29:00 30:00 31:00 32:00 33:00 Time

80 29:00 30:00 31:00 32:00 33:00 Time

60 29:00 30:00 31:00 32:00 33:00 Time

40 29:00 30:00 31:00 32:00 33:00 Time

20 29:00 30:00 31:00 32:00 33:00 Time

0 29:00 30:00 31:00 32:00 33:00 Time

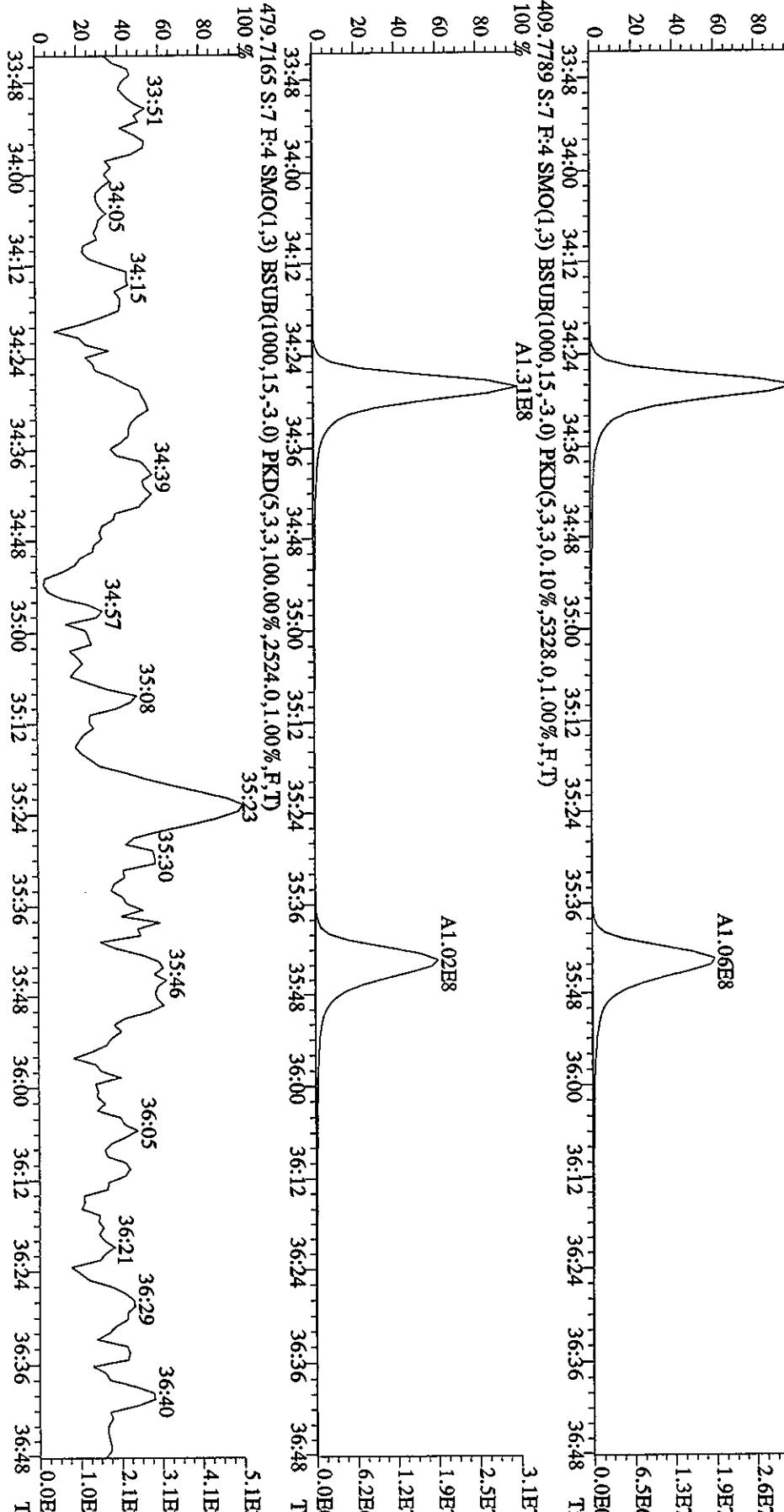
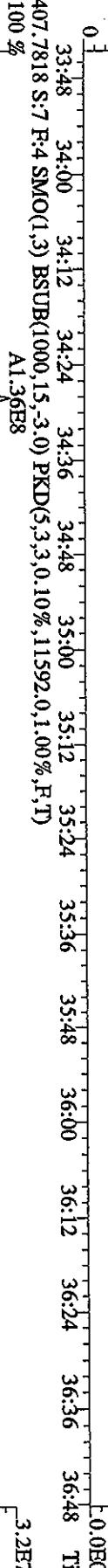
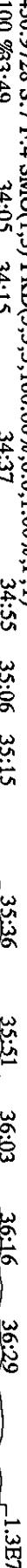
File:28MR068DS #1-216 Acq:28-MAR-2006 17:22:16 GC EI+ Voltage SIR Autospec-UltimaE

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

1.3E7



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

Sample#7 Tex:ST0328E Exp:DIOXIN

:CS4 2565-41D

454.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 1.3E7

90 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 1.2E7

80 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 1.0E7

70 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 9.2E6

60 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 7.8E6

50 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 6.5E6

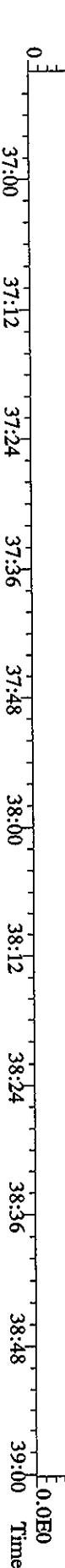
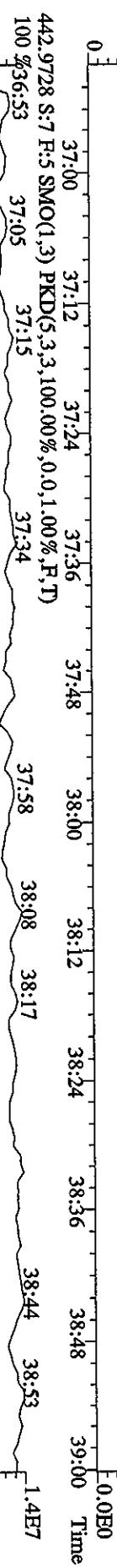
40 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 5.2E6

30 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 3.9E6

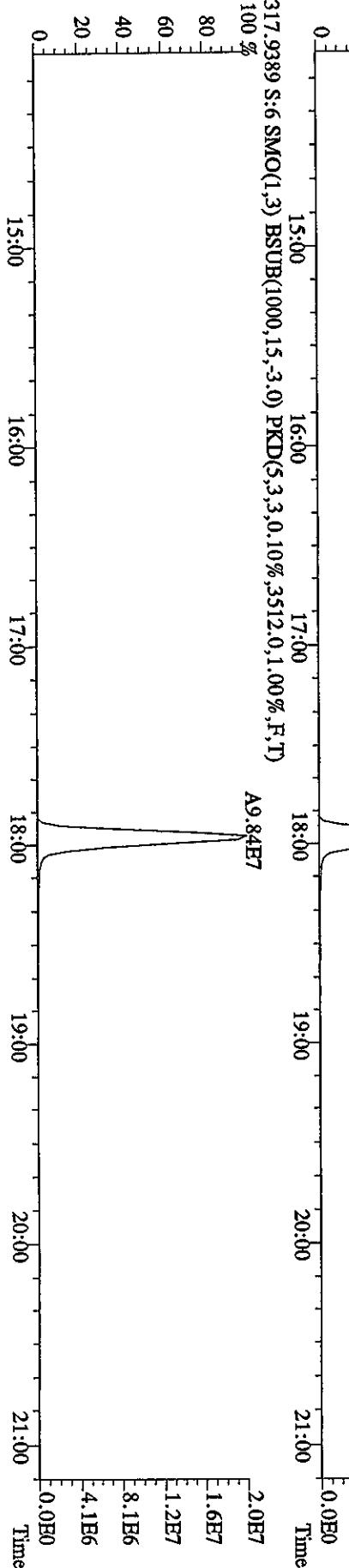
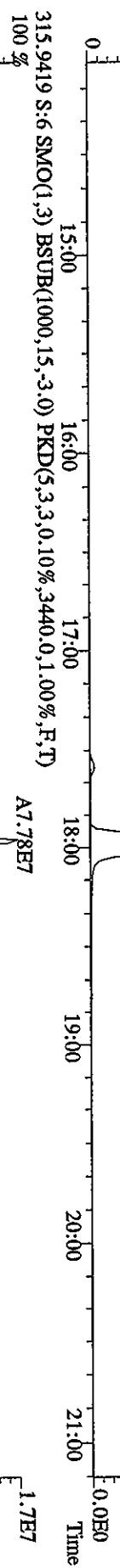
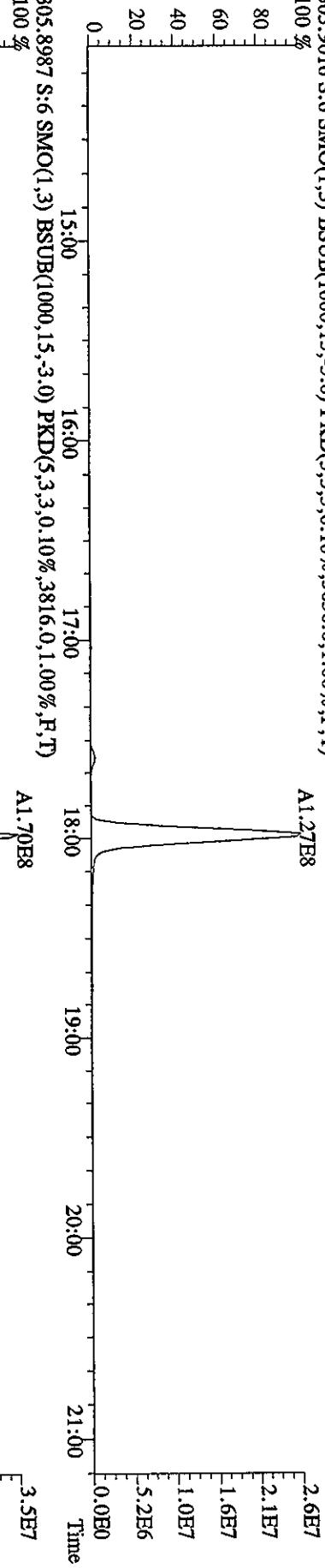
20 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 2.6E6

10 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 1.3E6

0 36.59 37.06 37:19 37:27 37:33 37:47 38:00 38:08 38:26 38:41 38:48 0.0E0



File:28MR068D5 #1-388 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0328D :CS5 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 El+ Voltage SIR Autospec-UltimaE

Sample#6 Text:ST0328D :CS5 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%,R,T)

A1.20E8
A1.48E8
A4.61E7
A4.19E7

2.5E7

2.0E7

1.5E7

9.9E6

4.9E6

3.1E7

2.4E7

1.8E7

1.2E7

6.1E6

0.0E0

321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1900.0,1.00%,F,T)

Time

Time

331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5528.0,1.00%,F,T)

Time

9.6E6

7.7E6

5.8E6

3.9E6

1.9E6

0.0E0

15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

Time

333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2012.0,1.00%,F,T)

Time

1.1E7

8.9E6

6.7E6

4.4E6

2.2E6

0.0E0

15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

A5.38E7

Time

15:00 16:00 17:00 18:00 19:00 20:00 21:00 Time

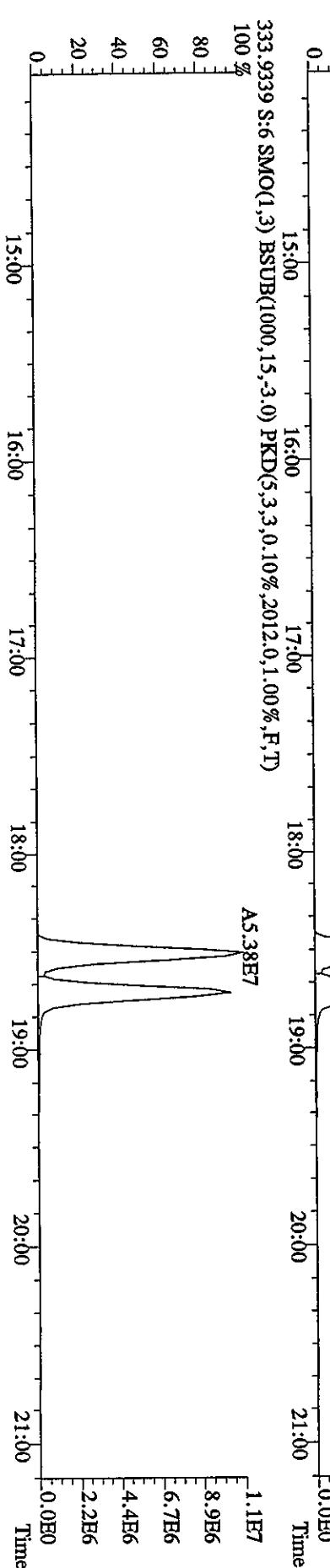
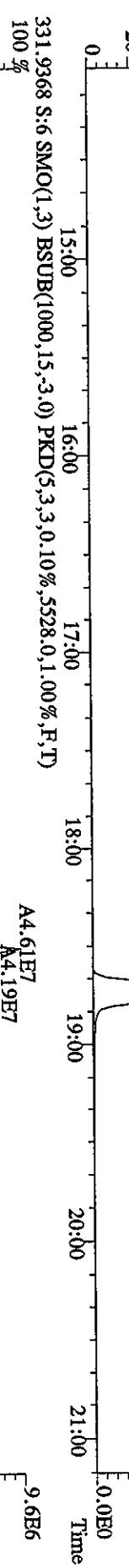
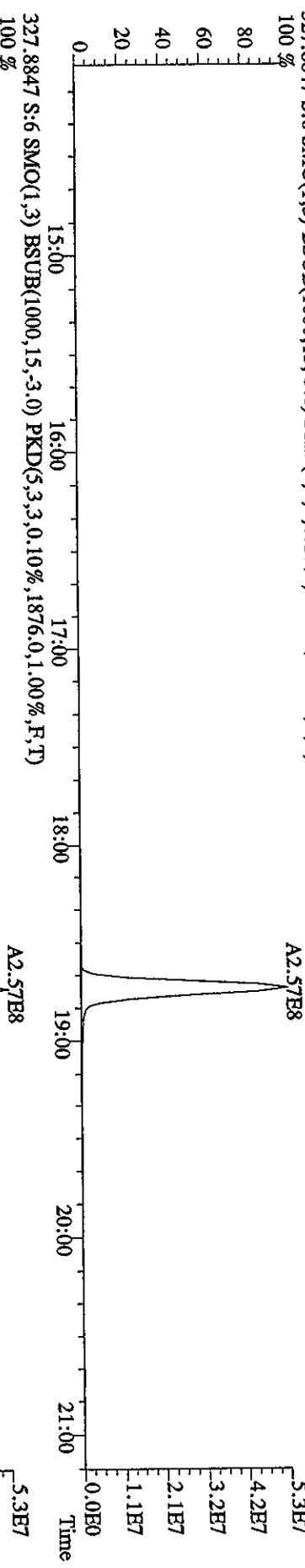
Time

File:23MR068D5 #1-388 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE

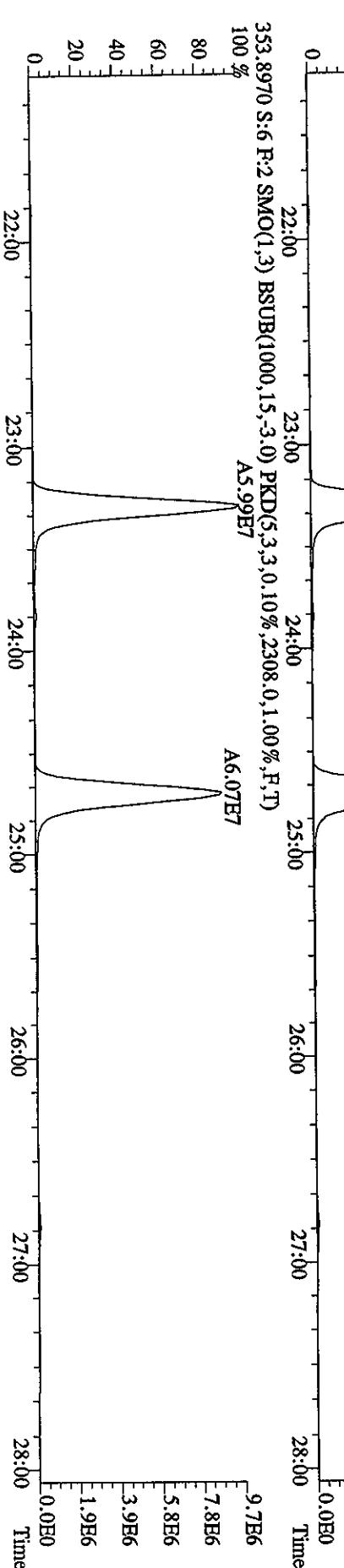
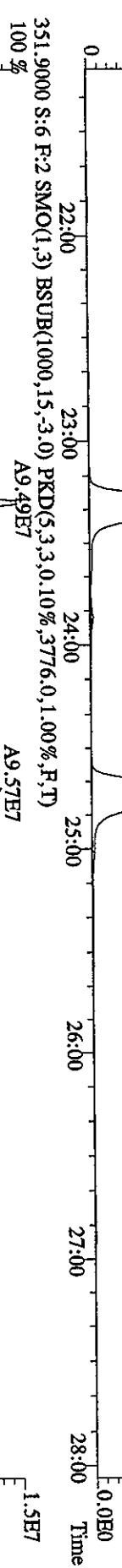
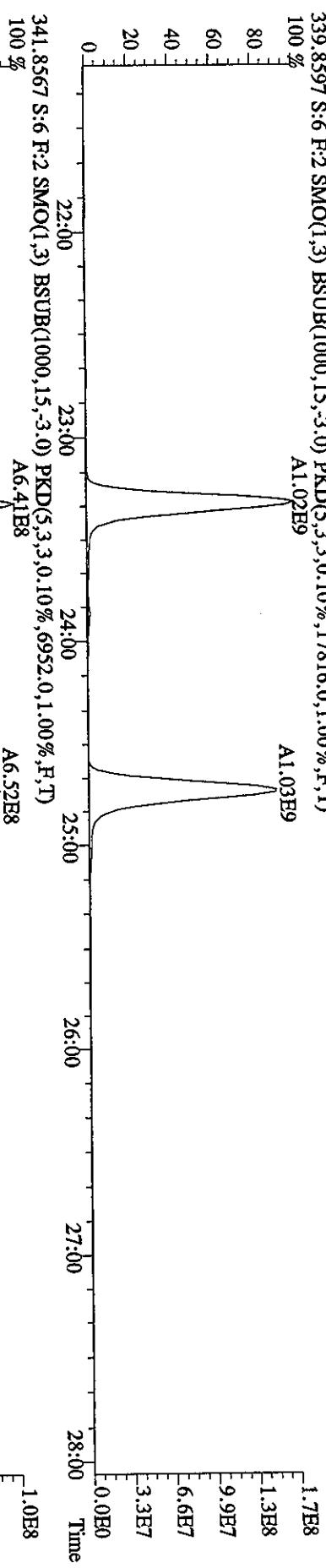
Sample#6 Text:ST0328D :CS5 2565-41E Exp:DIOXIN

327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1876,0,1.00%,F,T)

A2.57E8
5.3E7
4.2E7
3.2E7
2.1E7
1.1E7
0.0E0



File:28MR068D5 #1483 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:ST0328D Exp:DIOXIN
 :CS5 2565-41E 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17816.0,1.00%,F,T)
 A1.02E9 1.7E8
 100 % 1.3E8
 80 9.9E7
 60 6.6E7
 40 3.3E7
 20 0.0E0
 0 Time



File:28MR068D5 #1483 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE

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

355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2504.0,1.00%,R,T)

100 %

7.9E7

6.3E7

4.8E7

3.2E7

1.6E7

4.9E7

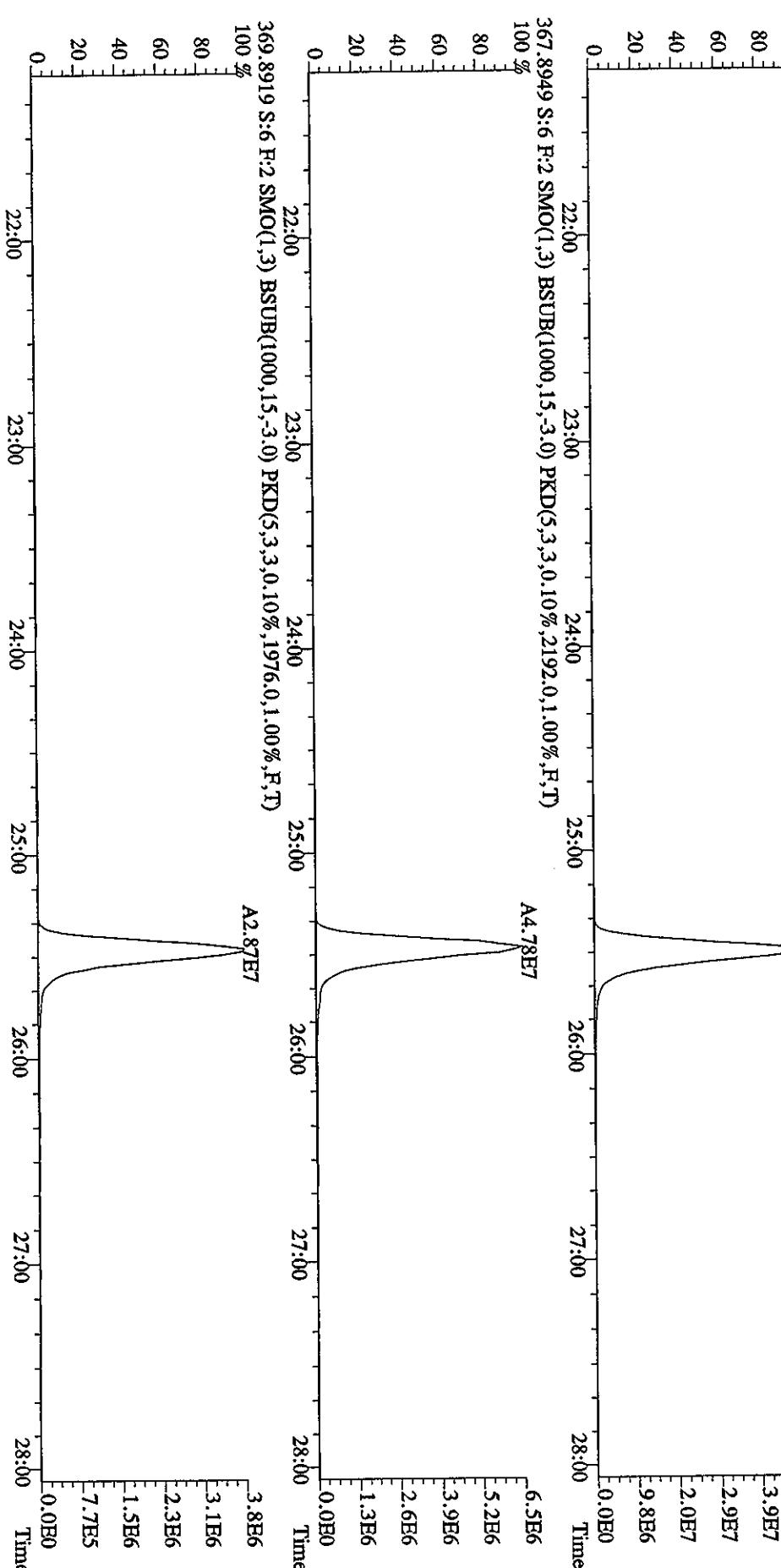
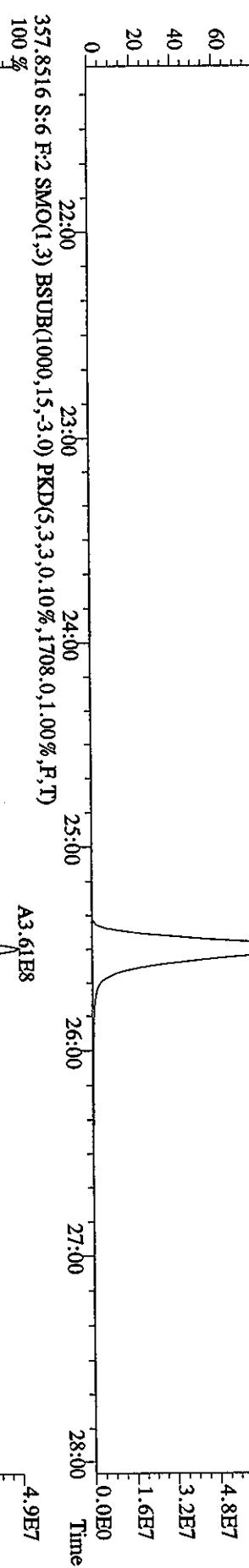
3.9E7

2.9E7

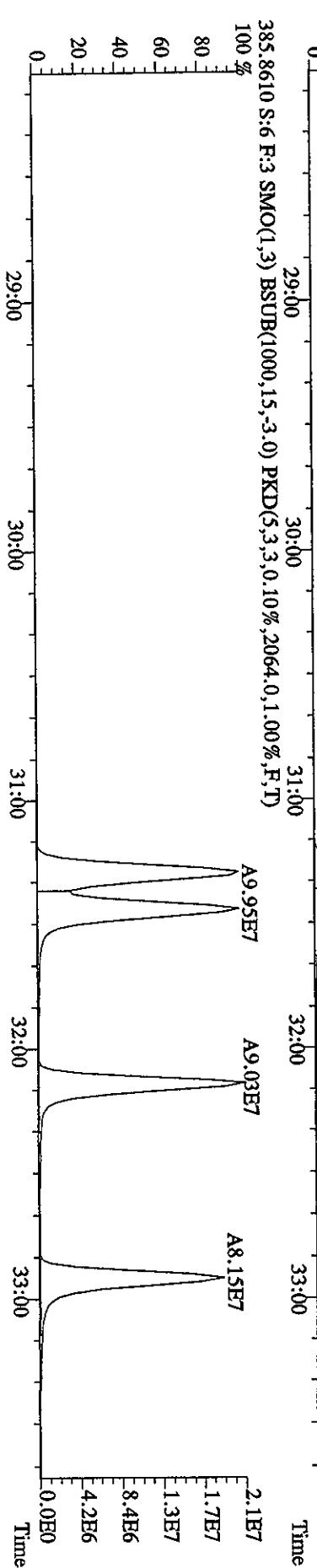
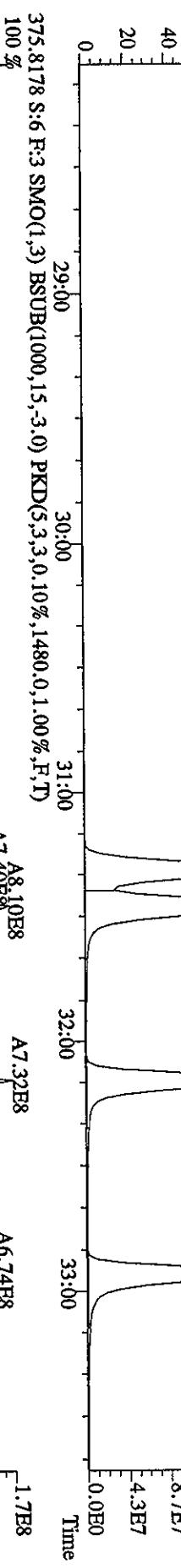
2.0E7

9.8E6

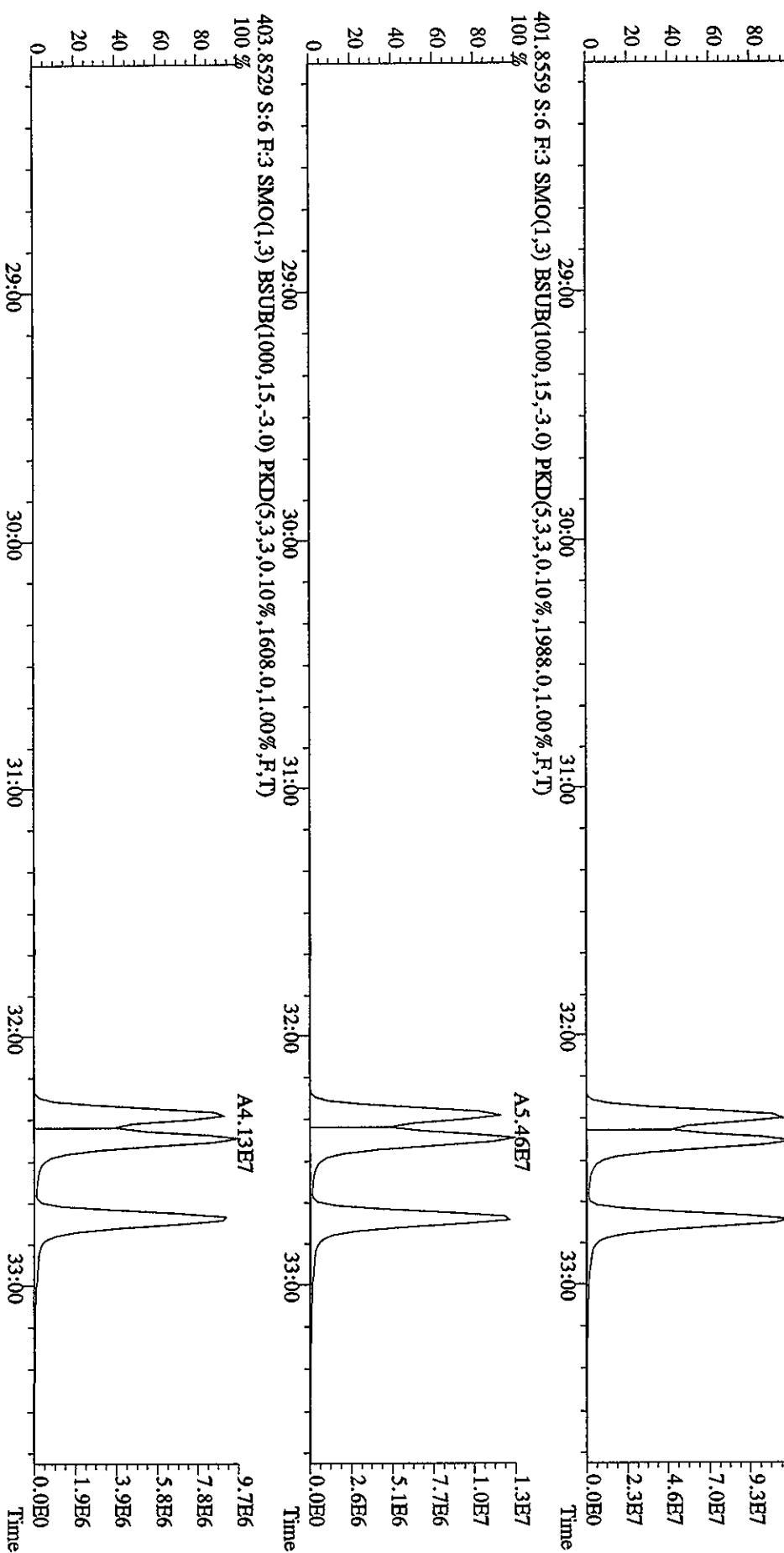
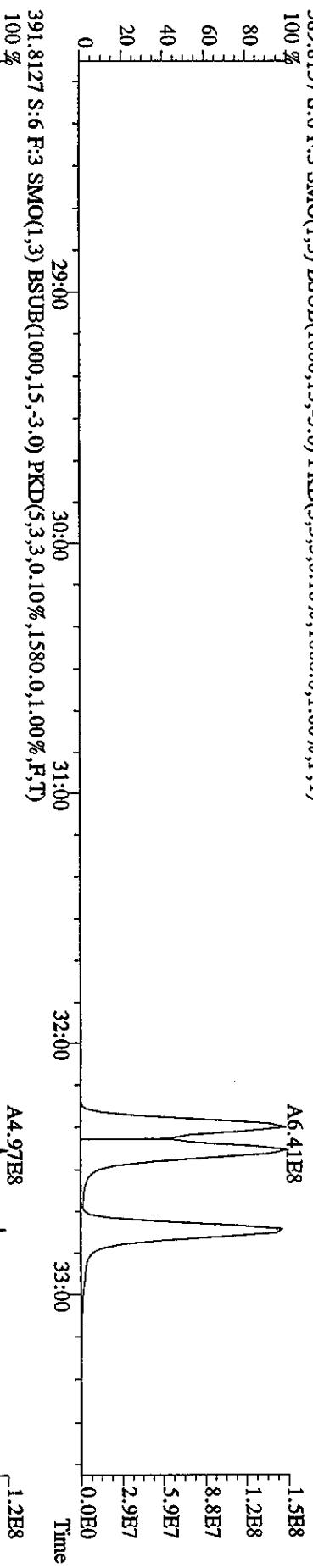
A5.88E8



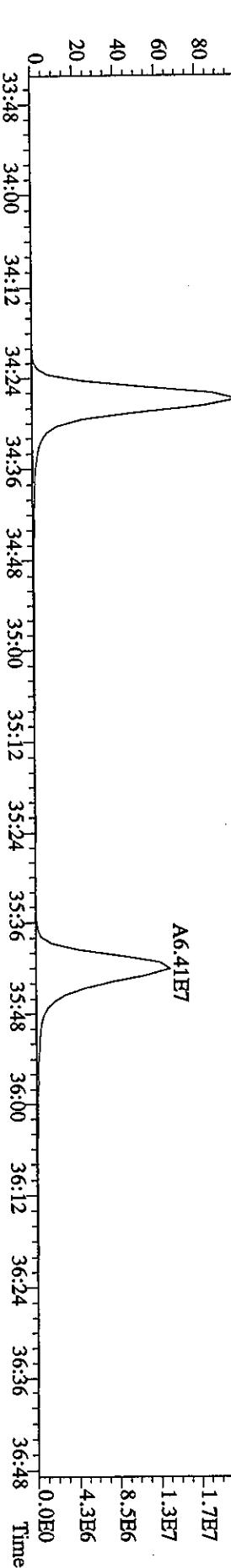
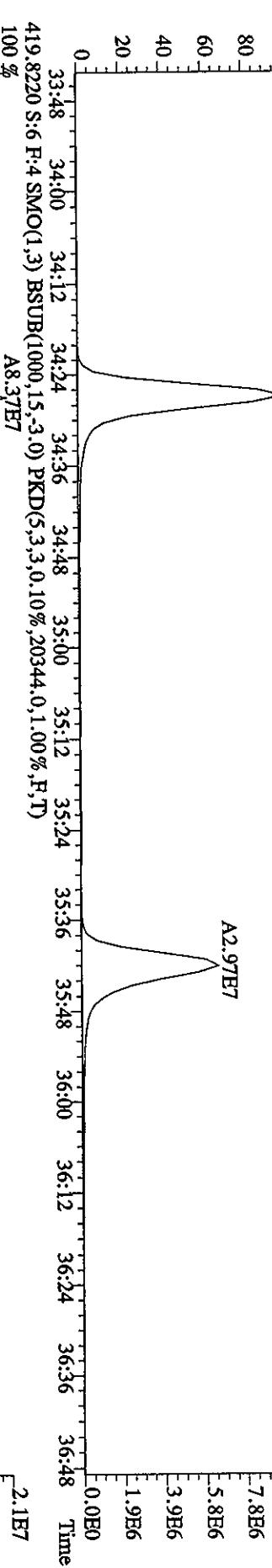
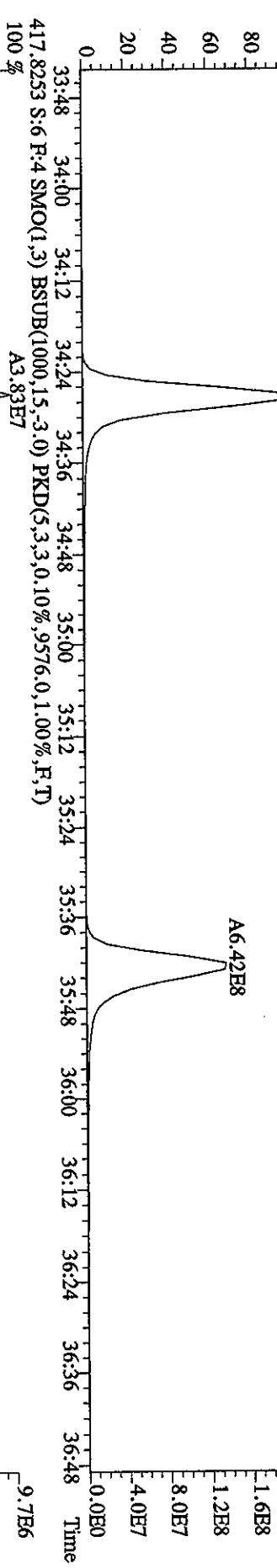
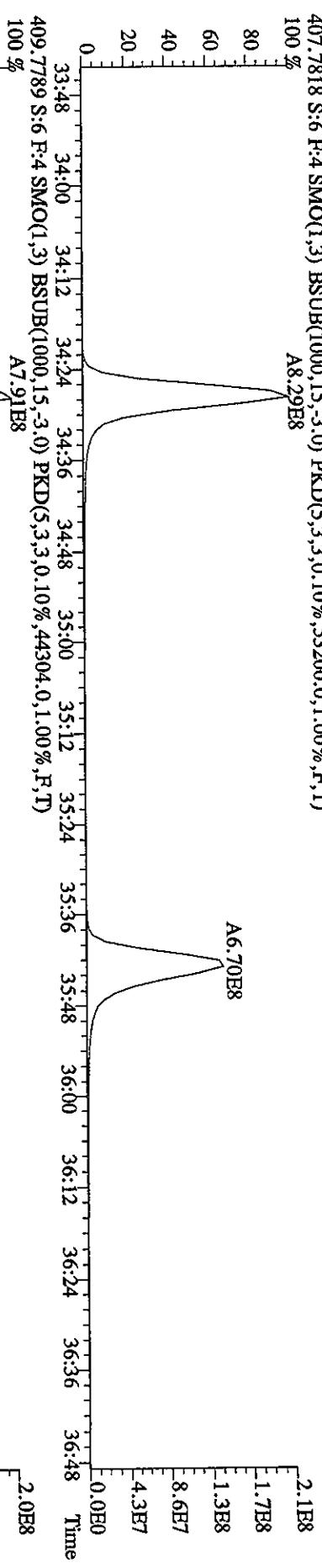
File:23MR068D5 #1-378 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaB
Sample#6 Text:ST0328D :CS5 2565-41E Exp:DIOXIN
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)



File:28MR068D5 #1-378 Acq:28 MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0328D :CS5 2565-41E 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)
 100 %
 80
 60
 40
 20
 0



File:28MR068D5 #1-217 Acq:28-MAR-2006 16:40:26 GC El+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:ST0328D :CS5 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



Sample#6 Text:ST0328D :CS5 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)

A5.06E8

1.2E8

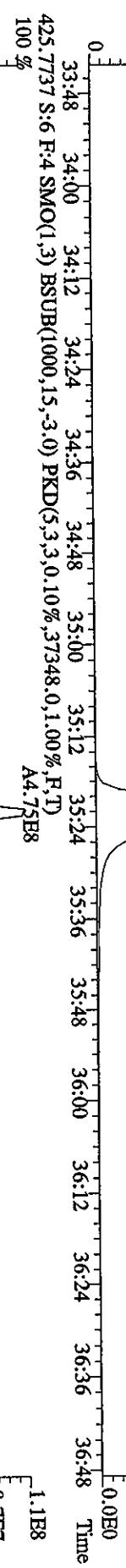
9.3E7

7.0E7

4.7E7

2.3E7

0.0E0



100 %

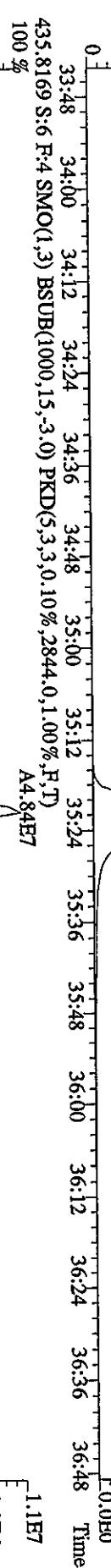
80

60

40

20

0



100 %

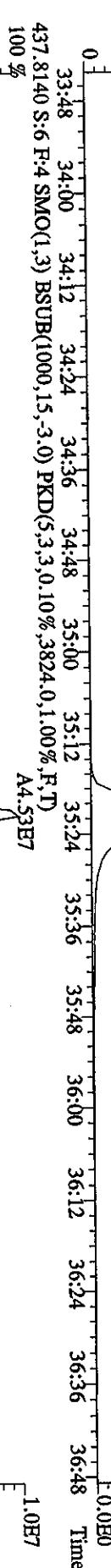
80

60

40

20

0



100 %

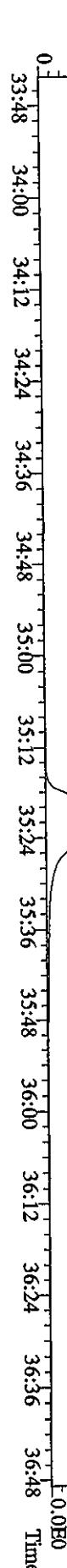
80

60

40

20

0



100 %

80

60

40

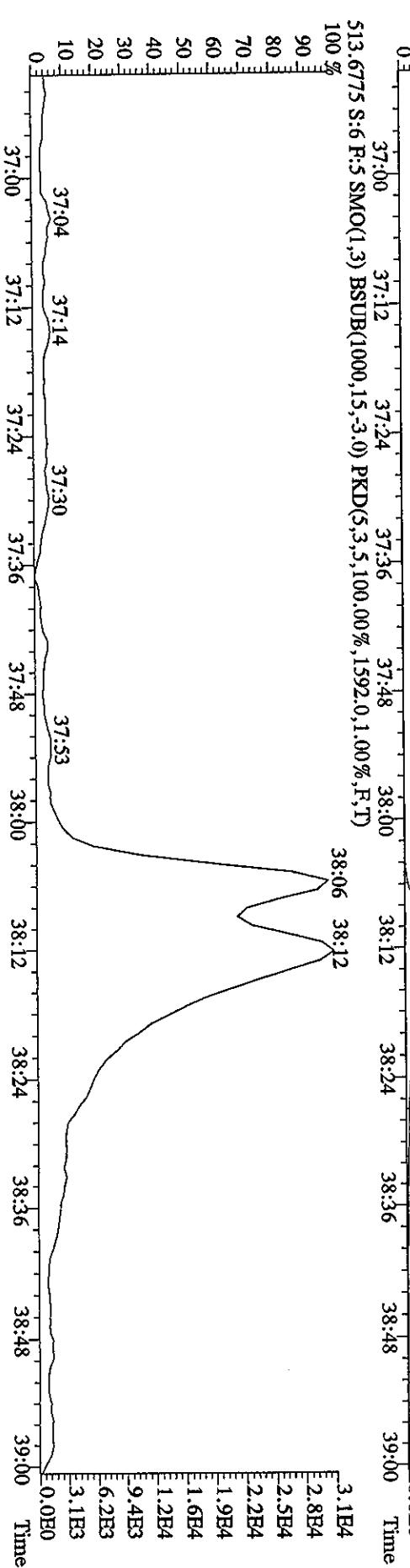
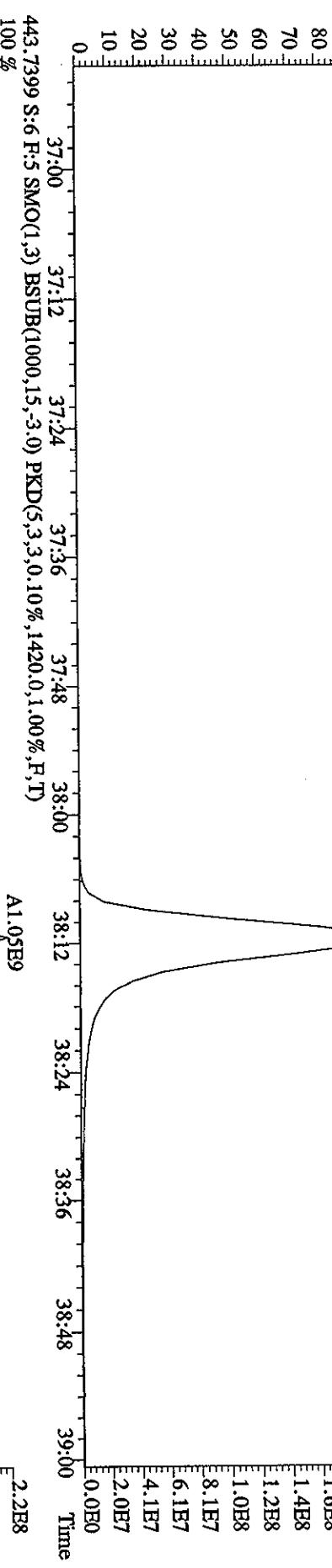
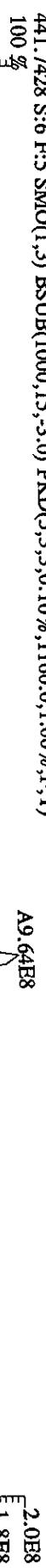
20

0

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time

0.0E0

File:28MR068D5 #1-157 Acq:28-MAR-2006 16:40:26 GC EI+ 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:28MR068DS #1-157 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE

Sample#6 Text:ST0328D :CS5 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)

A6.81E8 1.4E8

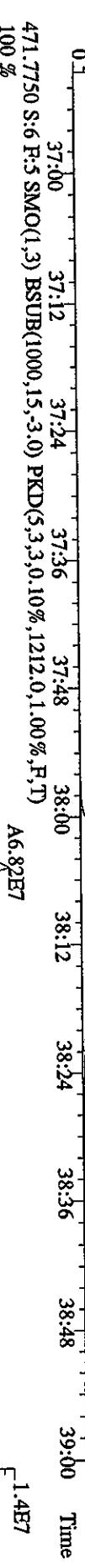
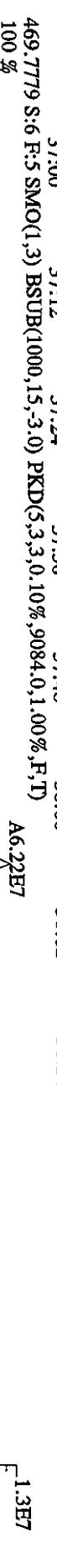
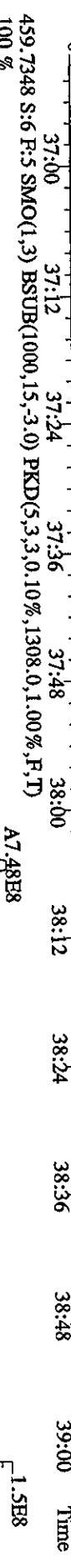
80 1.1E8

60 8.3E7

40 5.5E7

20 2.8E7

0 0.0E0



File:28MR068D5 #1-388 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE

Sample:#6 Text:ST0328D :CS5 2565.41E

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

100 % 14:32 14:54 15:30 16:07 16:29 17:01 17:32 17:49 18:22 18:53 19:19 19:44 20:29 20:56 3.6E7

80 M4:19 14:54 15:30 16:07 16:29 17:01 17:32 17:49 18:22 18:53 19:19 19:44 20:29 20:56 2.8E7

60 100 % 14:32 14:54 15:30 16:07 16:29 17:01 17:32 17:49 18:22 18:53 19:19 19:44 20:29 20:56 2.1E7

40 80 M4:19 14:54 15:30 16:07 16:29 17:01 17:32 17:49 18:22 18:53 19:19 19:44 20:29 20:56 1.4E7

20 60 100 % 14:32 14:54 15:30 16:07 16:29 17:01 17:32 17:49 18:22 18:53 19:19 19:44 20:29 20:56 7.1E6

0 40 80 M4:19 14:54 15:30 16:07 16:29 17:01 17:32 17:49 18:22 18:53 19:19 19:44 20:29 20:56 0.0E0

15:00

16:00

17:00

18:00

19:00

20:00

21:00

Time

303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636.0,1.00%,F,T)

A1.70E8

100 % 2.6E7

80 2.1E7

60 1.6E7

40 1.0E7

20 5.2E6

0 0.0E0

15:00

16:00

17:00

18:00

19:00

20:00

21:00

Time

305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3816.0,1.00%,F,T)

A1.70E8

100 % 3.5E7

80 2.8E7

60 2.1E7

40 1.4E7

20 7.0E6

0 0.0E0

15:00

16:00

17:00

18:00

19:00

20:00

21:00

Time

375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1644.0,1.00%,F,T)

A1.70E8

100 % 6.0E3

80 4.8E3

60 3.6E3

40 2.4E3

20 1.2E3

0 0.0E0

15:00

16:00

17:00

18:00

19:00

20:00

21:00

Time

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

A1.70E8

100 % 2.1E7

80 1.7E7

60 1.3E7

40 8.4E6

20 4.2E6

0 0.0E0

15:00

16:00

17:00

18:00

19:00

20:00

21:00

Time

File:28MR068D5 #1483 Acq:28-MAR-2006 16:40:26 GC El+ Voltage SIR Autospec-UltimaE

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

342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

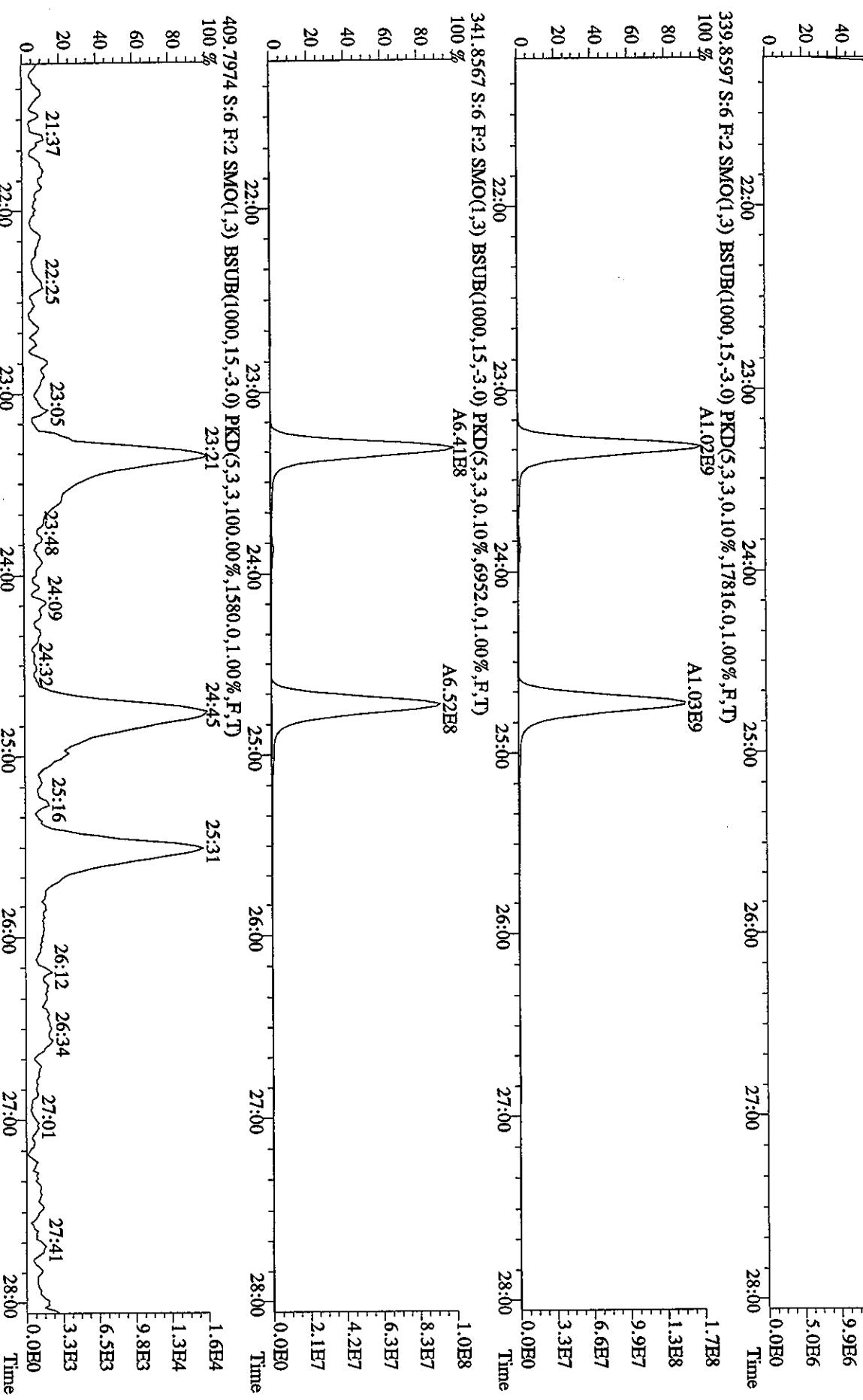
100 % 21:44 22:13 22:36 23:02 23:38 24:00 24:34 24:56 25:27 25:49 26:12 26:41 27:09 27:45 2.5E7

80 21:44 22:13 22:36 23:02 23:38 24:00 24:34 24:56 25:27 25:49 26:12 26:41 27:09 27:45 2.0E7

60 21:44 22:13 22:36 23:02 23:38 24:00 24:34 24:56 25:27 25:49 26:12 26:41 27:09 27:45 1.5E7

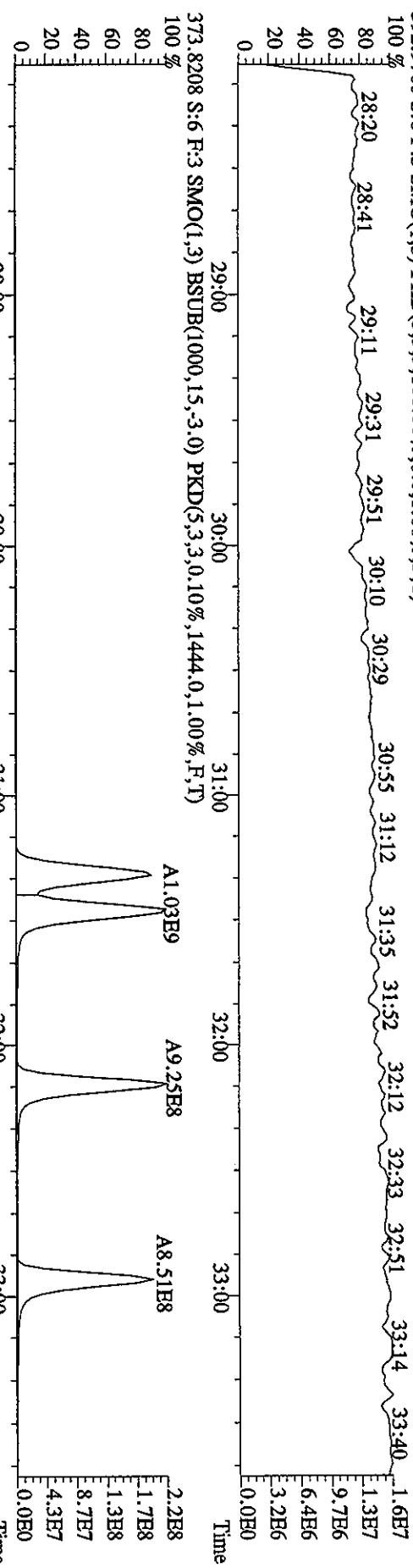
40 21:44 22:13 22:36 23:02 23:38 24:00 24:34 24:56 25:27 25:49 26:12 26:41 27:09 27:45 9.9E6

20 21:44 22:13 22:36 23:02 23:38 24:00 24:34 24:56 25:27 25:49 26:12 26:41 27:09 27:45 5.0E6



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

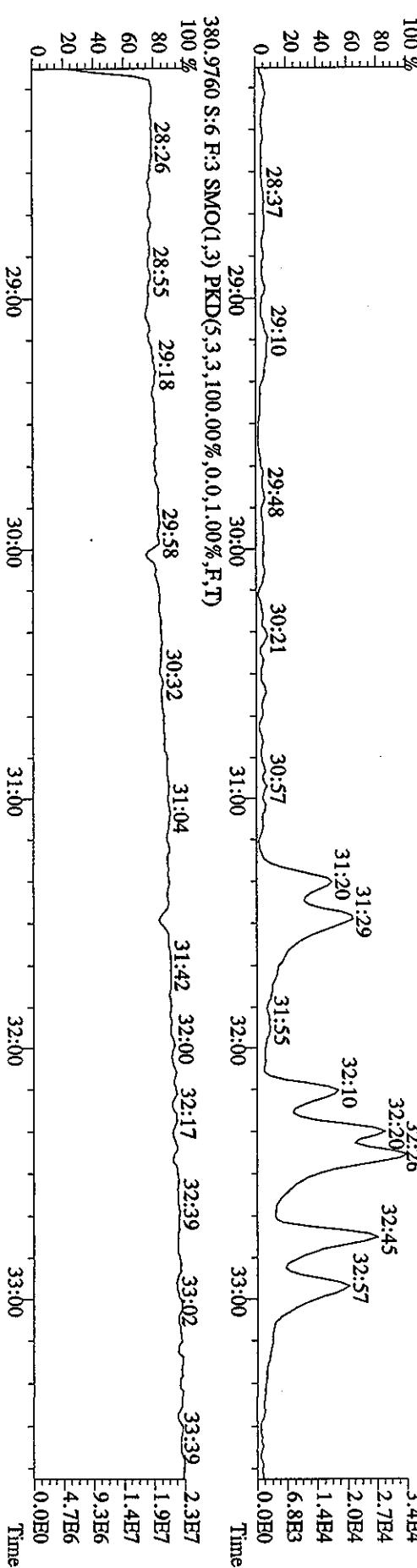
Sample#6 Text:S10328D :CS3 2563-41E Exp:DUXIN



375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1480.0,1.00%,F,T)
100 %

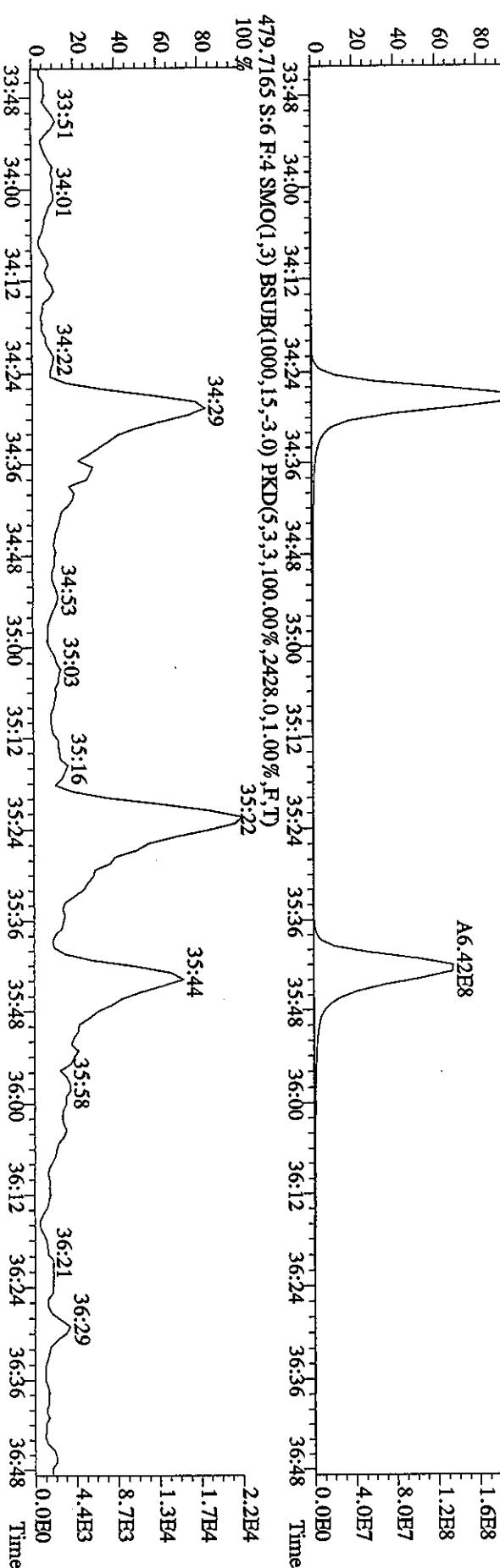
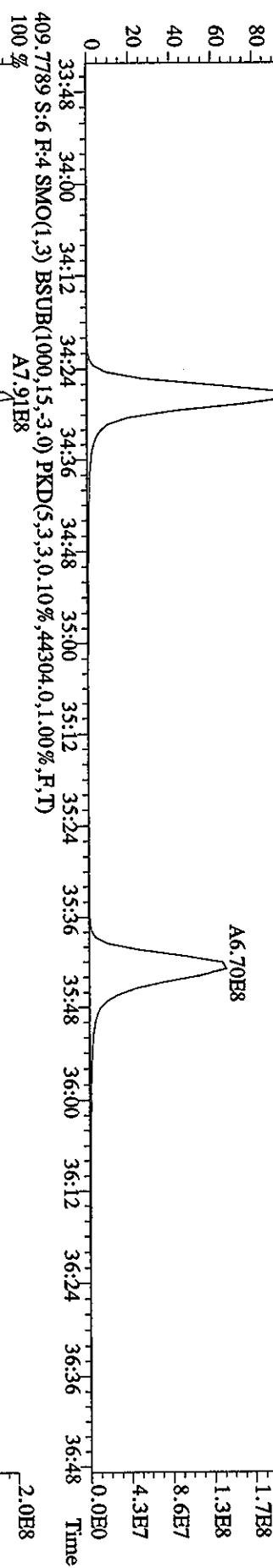
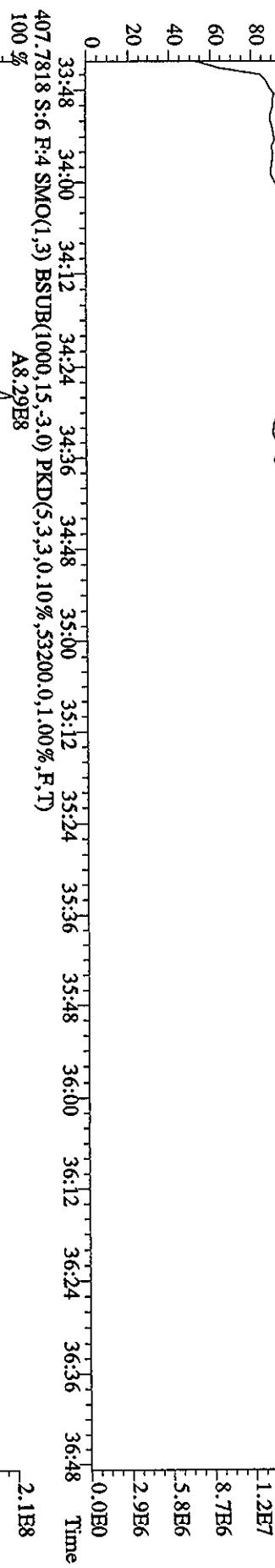
445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1880.0,1.00%,F,TT)
100 %

Time	Percentage (%)
29:00	100
30:00	~44.5
31:00	~75



File:28MR068D5 #1-217 Acq:28-MAR-2006 16:40:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0328D :CSS 2565-41B Exp:DIOXIN
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)
100 %

34.01 34:13 34:30 34:41 34:56 35:17 35:32 35:57 36:06 36:27 36:44 1.4E7
80 60 40 20 0 0.0E0 1.2E7
8.7E6 5.8E6 2.9E6

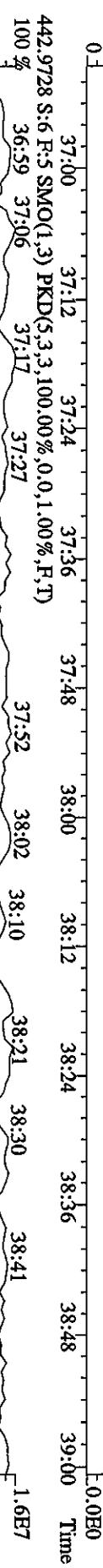


Sample#:6 Text:ST0328D :CS5 2565-41E Exp:DIOXIN

454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 36:59 37:09 37:26 37:45 37:54 38:04 38:18 38:31 38:46 1.5E7

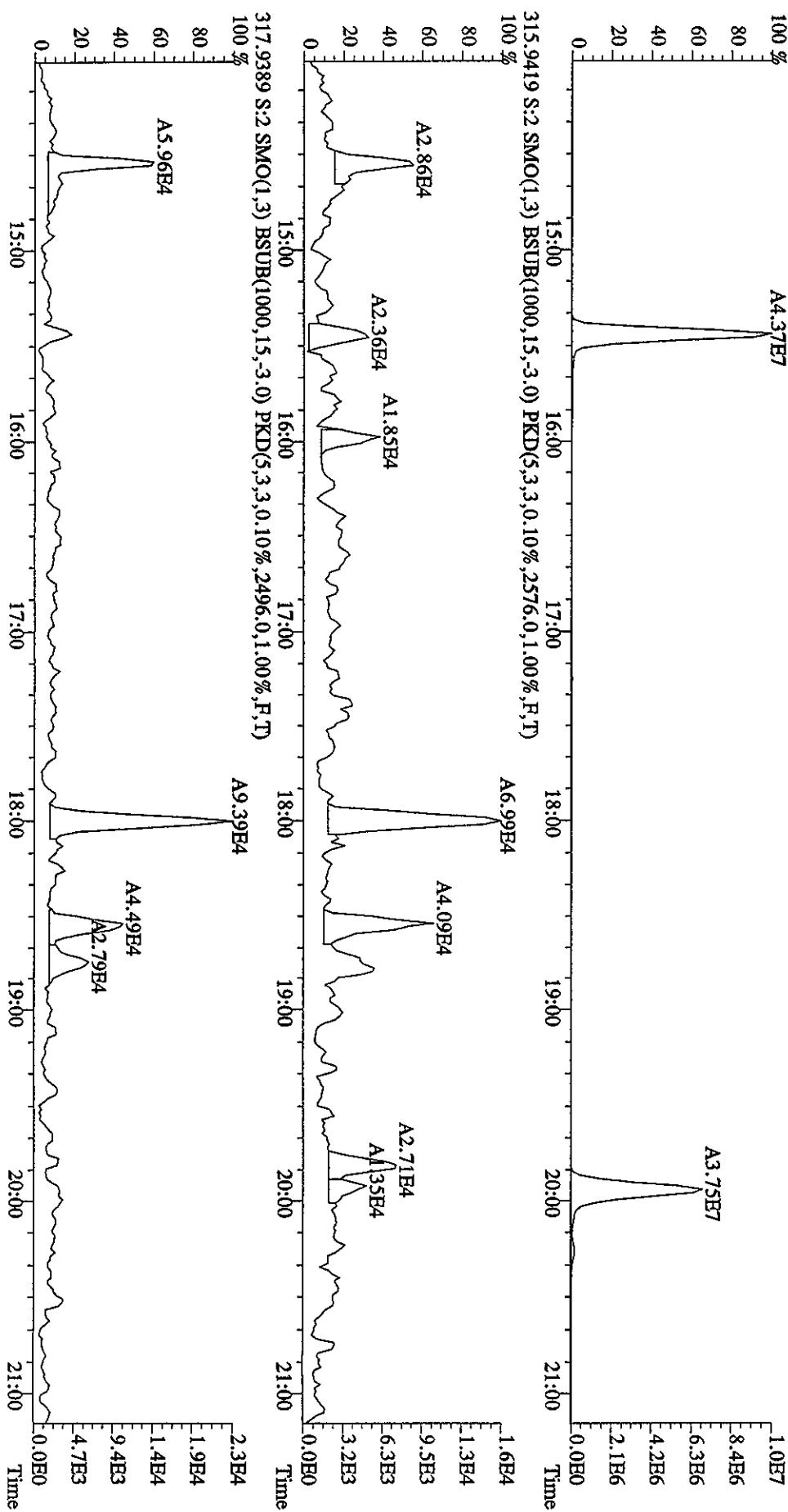
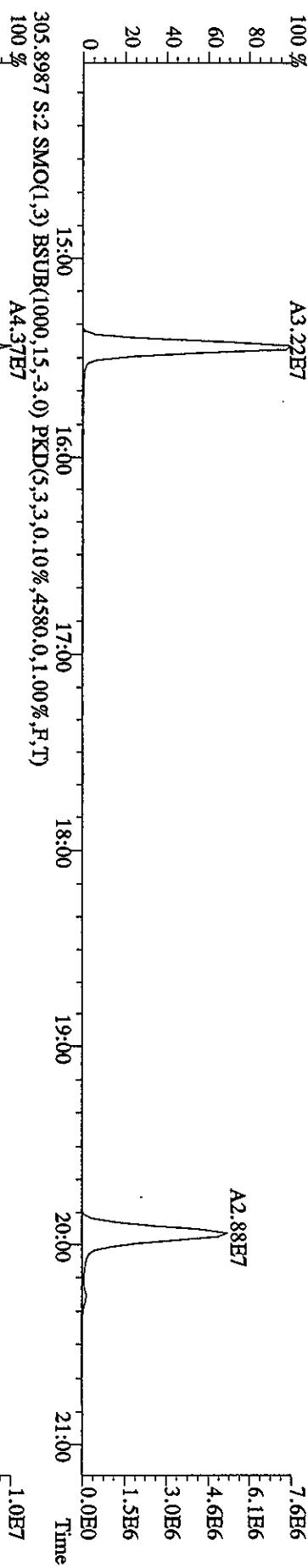
90 80 70 60 50 40 30 20 10 0 1.0E7 1.2E7 1.3E7 8.9E6 7.4E6 5.9E6 4.4E6 3.0E6 1.5E6 0.0E0



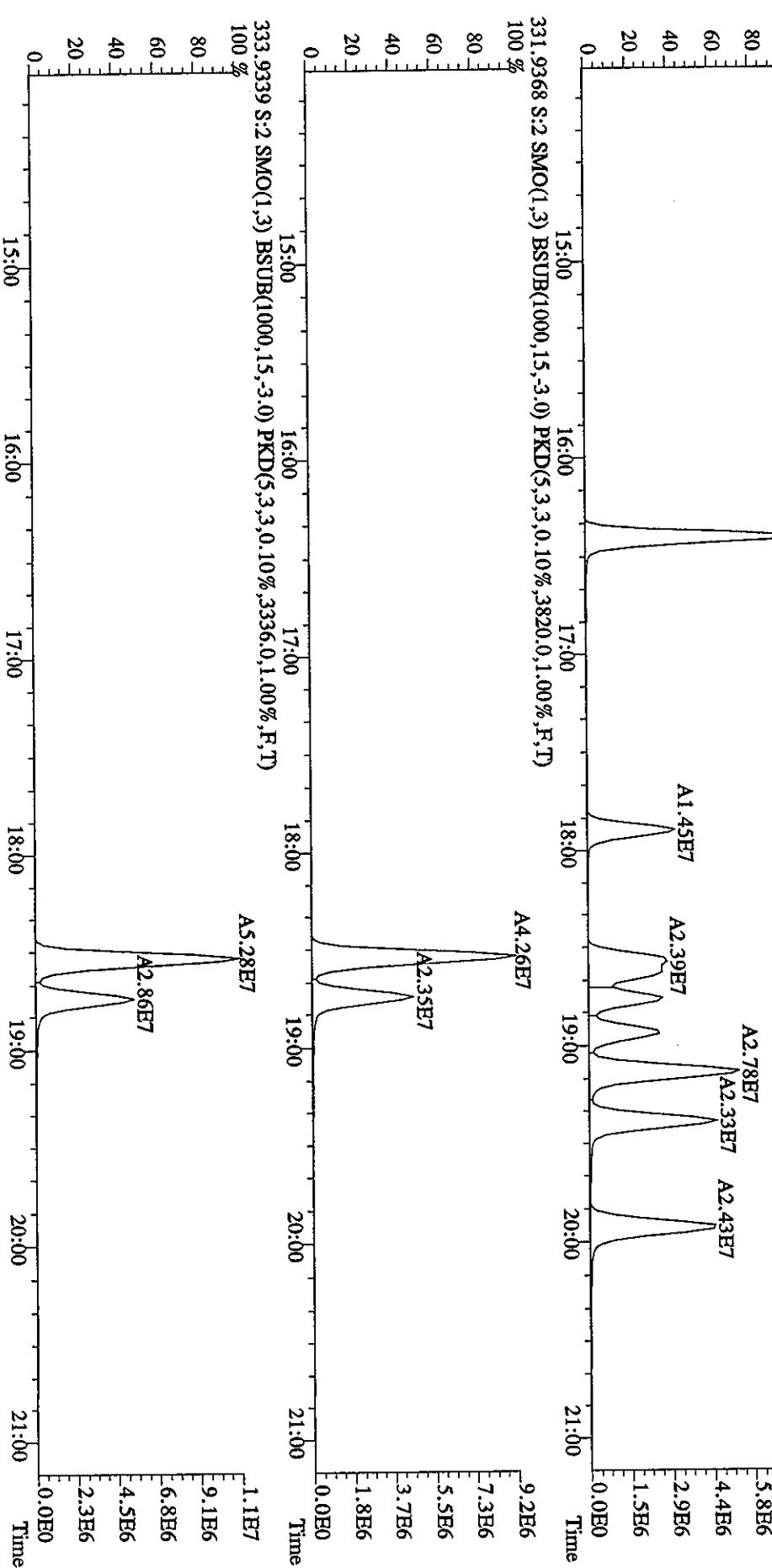
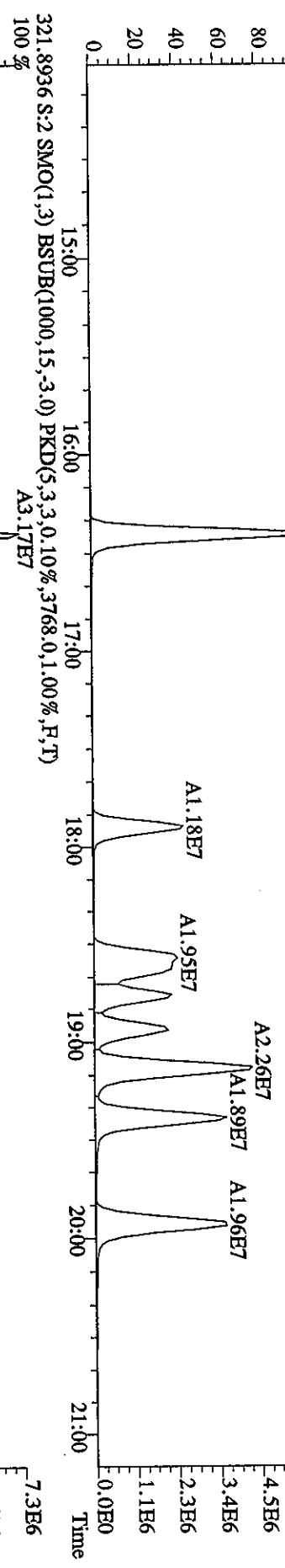
37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 Time

0 10 20 30 40 50 60 70 80 90 100

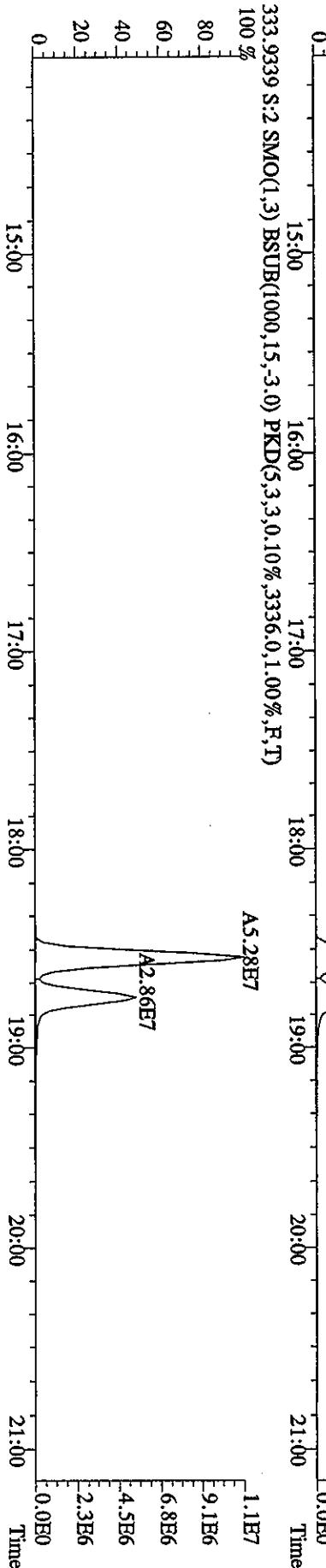
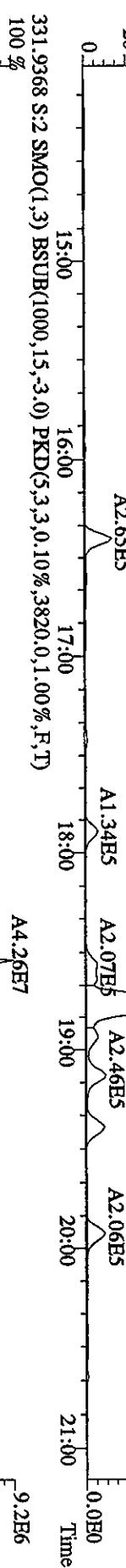
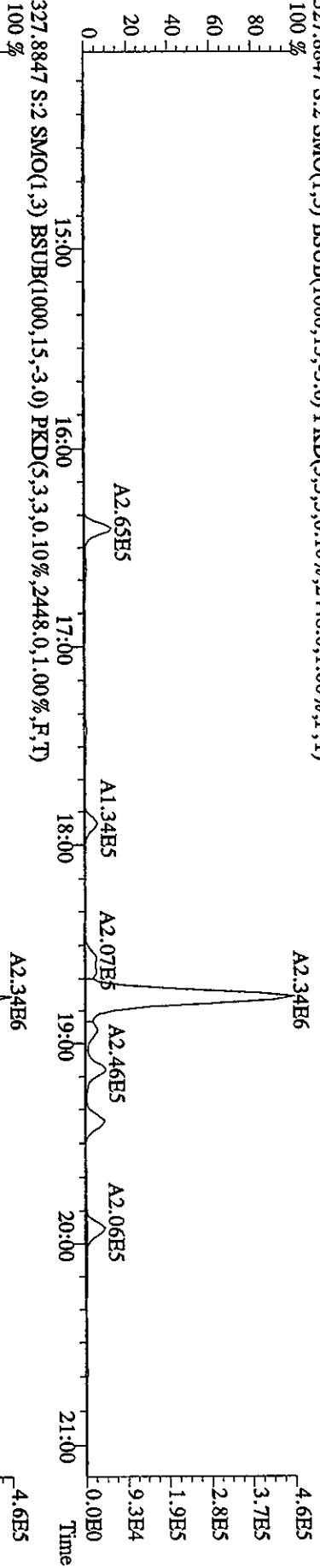
File:28MR068D5 #1-388 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0328 :DB-5 CPSM 2565.47 Exp:DIOXIN
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4332.0,1.00%,F,T)
 100 % A3.22E7



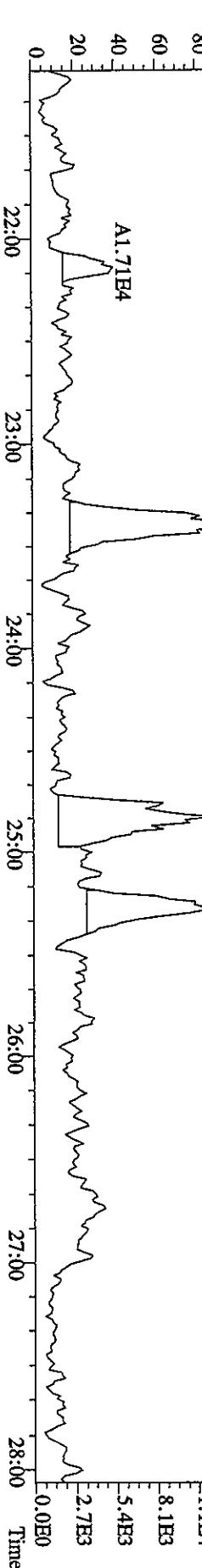
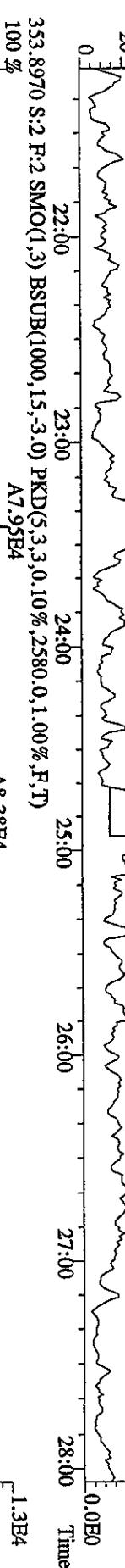
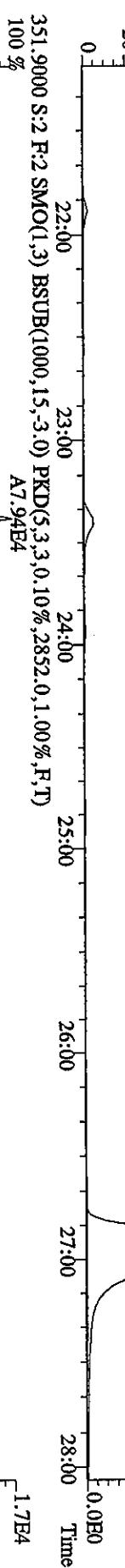
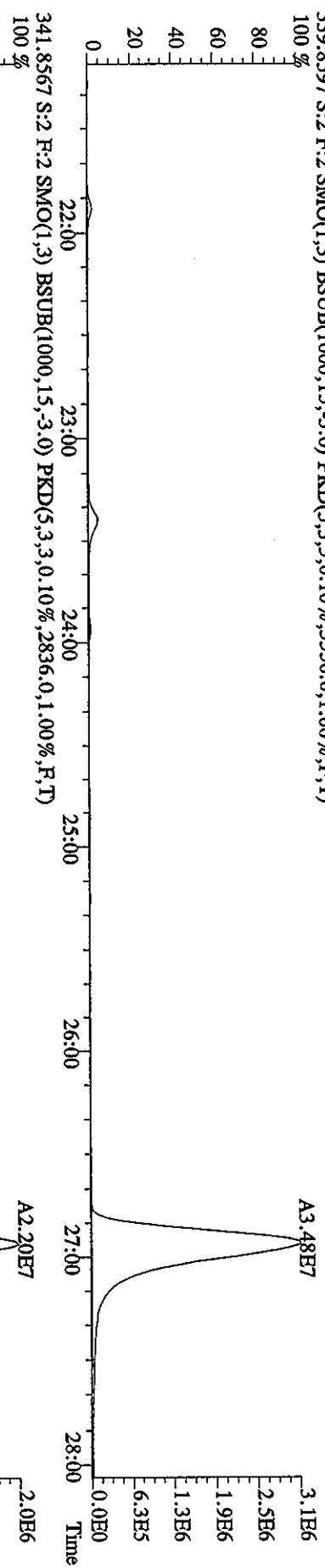
File:28MR068D5 #1-388 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR AutoSpec-UltimaB
 Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)



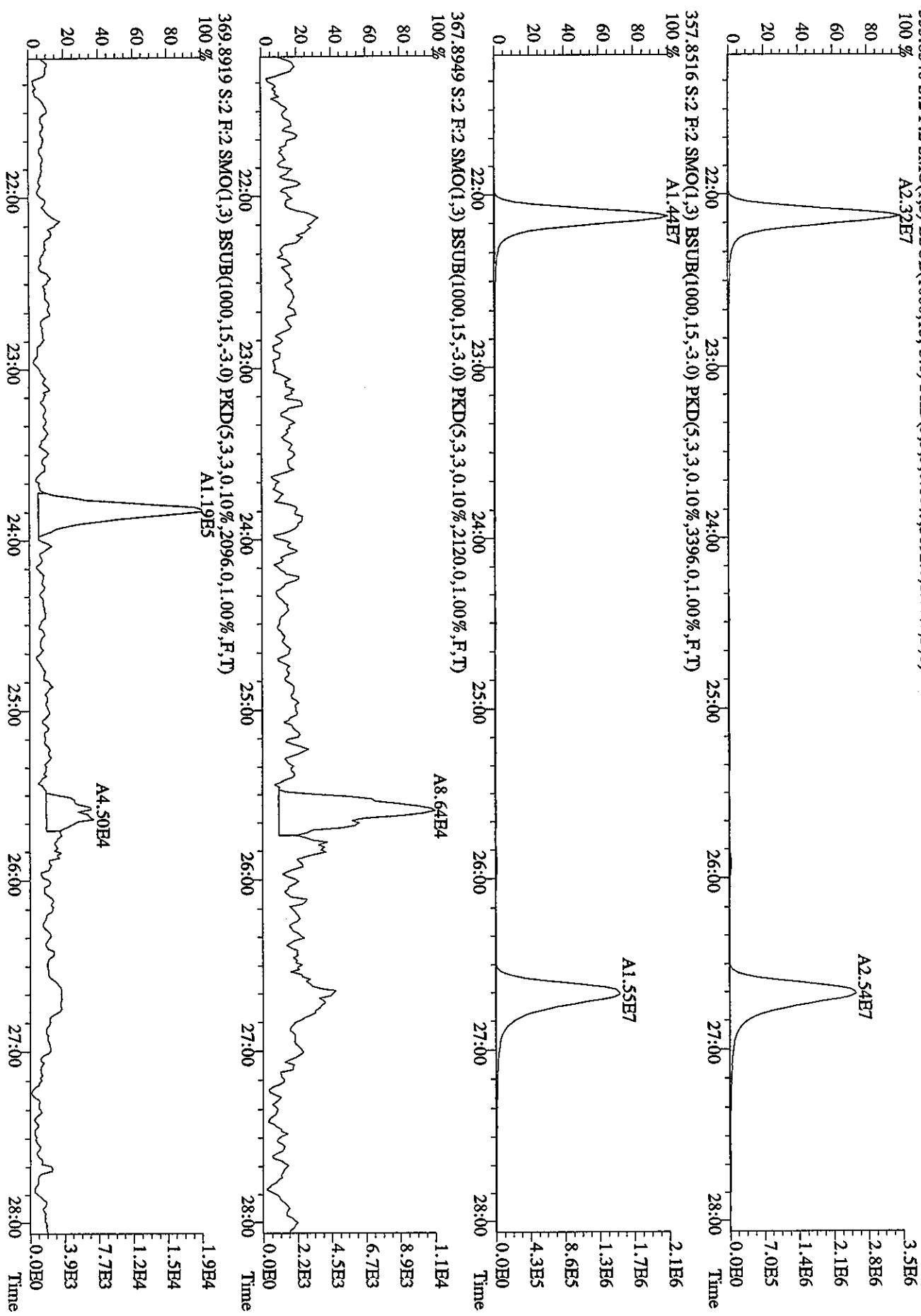
File:28MR068DS5 #1-388 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Tex:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2448.0,1.00%,F,T)
 100 %



File:28MR068D5 #1484 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaH
 Sample#2 Text:CP0328 DB-5 CPSM 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%,R,T)
 100 %
 80
 60
 40
 20
 0



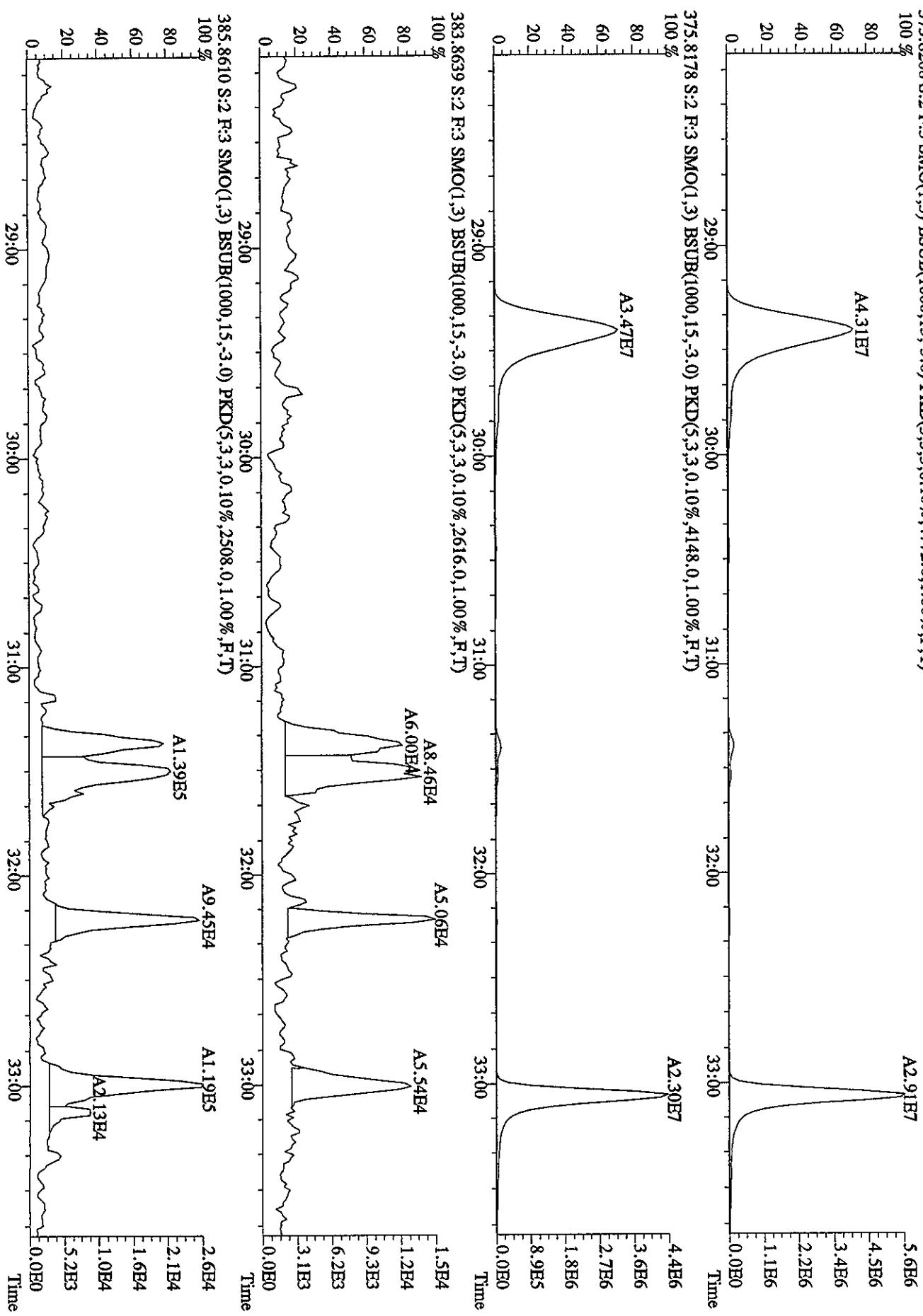
File:28MR068D5 #1484 Acq:28-MAR-2006 13:53:04 GC EI + Voltage SIR Autospec-UltimaB
 Sample#2 Text:CP0328 :DB-5 CPSM 2565-47 Exp:DIOXIN
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5092.0,0.1.00%,F,T)
 100 % A2.32E7



File:28MR068D5 #1-378 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaB

373.8208 S:2 R:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4772.0,1.00%,F,T)

100 %



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)

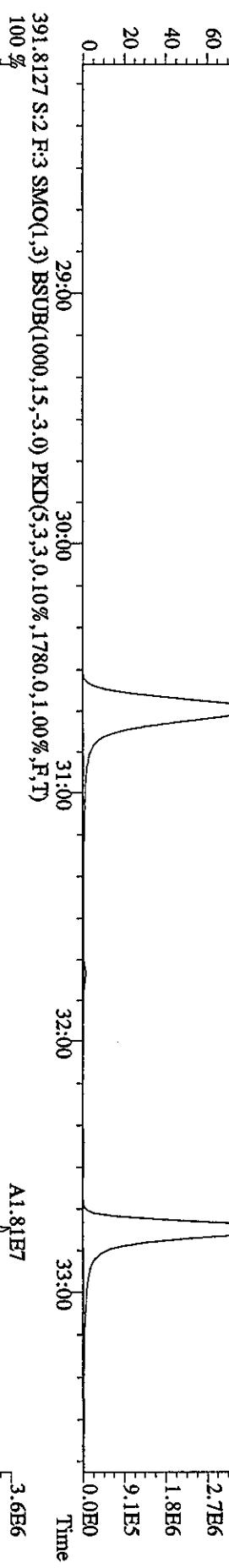
100 %

4.6E6
3.6E6
2.7E6
1.8E6
9.1E5
0.0E0

A2.70E7

1.9E4
1.6E4
1.2E4
7.8E3
3.9E3
0.0E0

A2.31E7



401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2952.0,1.00%,F,T)

100 %

1.9E4
1.6E4
1.2E4
7.8E3
3.9E3
0.0E0

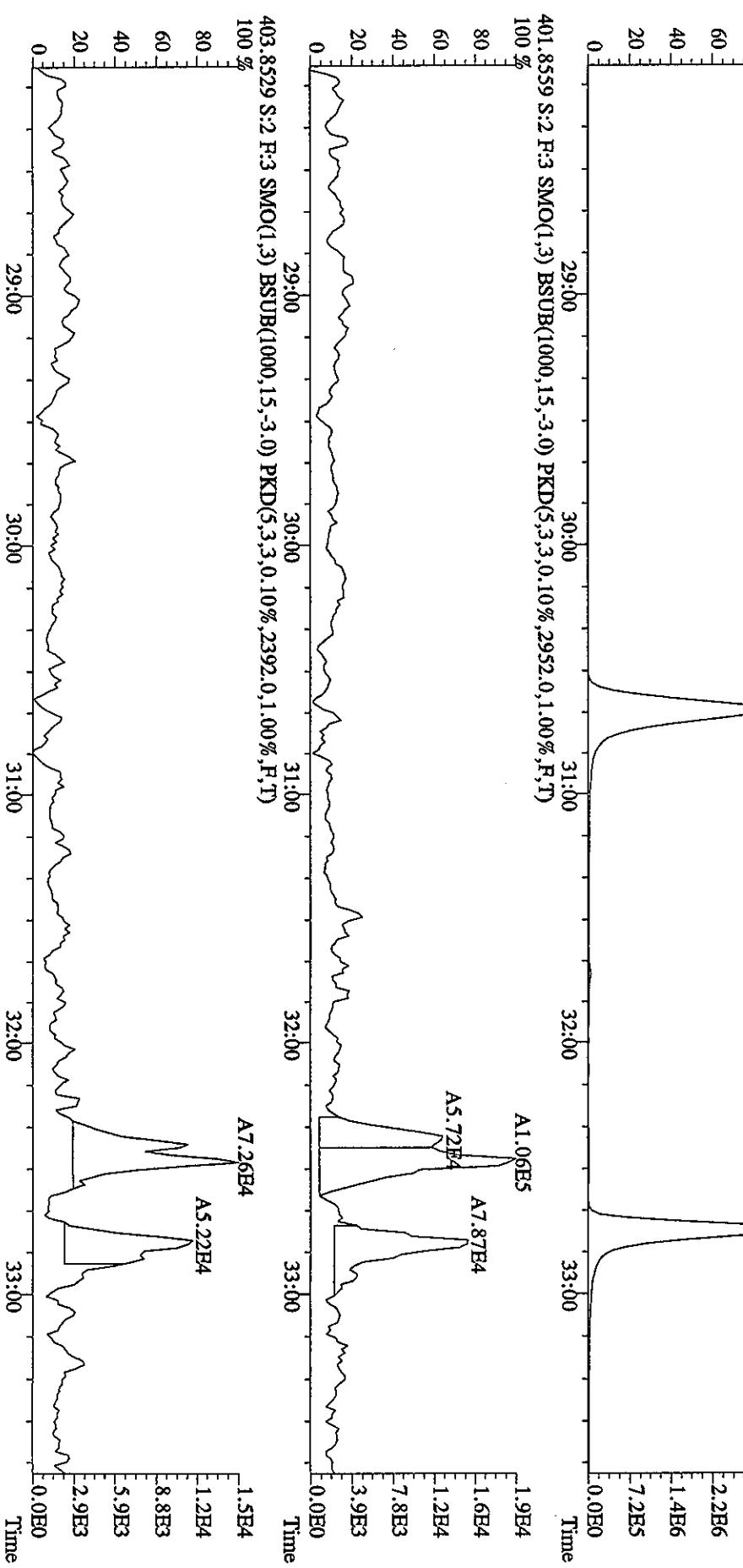
Time

403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)

100 %

1.9E4
1.6E4
1.2E4
7.8E3
3.9E3
0.0E0

Time



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%,R,T)

409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5664.0,1.00%,F,T)

100 % A3.09E7

6.8E6

5.4E6

4.1E6

2.7E6

1.4E6

0.0E0

A2.27E7

6.5E6

5.2E6

3.9E6

2.6E6

1.3E6

0.0E0

A2.15E7

1.5E4

1.2E4

8.8E3

5.9E3

2.9E3

0.0E0

A5.35E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.54E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A7.73E3

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A1.15E5

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A7.63E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A7.48E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A7.36E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A7.24E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A7.12E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A7.00E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.88E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.76E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.64E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.52E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.40E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.28E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.16E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A6.04E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.92E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.80E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.68E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.56E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.44E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.32E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.20E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A5.08E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.96E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.84E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.72E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.60E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.48E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.36E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.24E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.12E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A4.00E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A3.88E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A3.76E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A3.64E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A3.52E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A3.40E4

2.5E4

2.0E4

1.5E4

1.0E4

5.1E3

0.0E0

A3.28E4

2.5E4

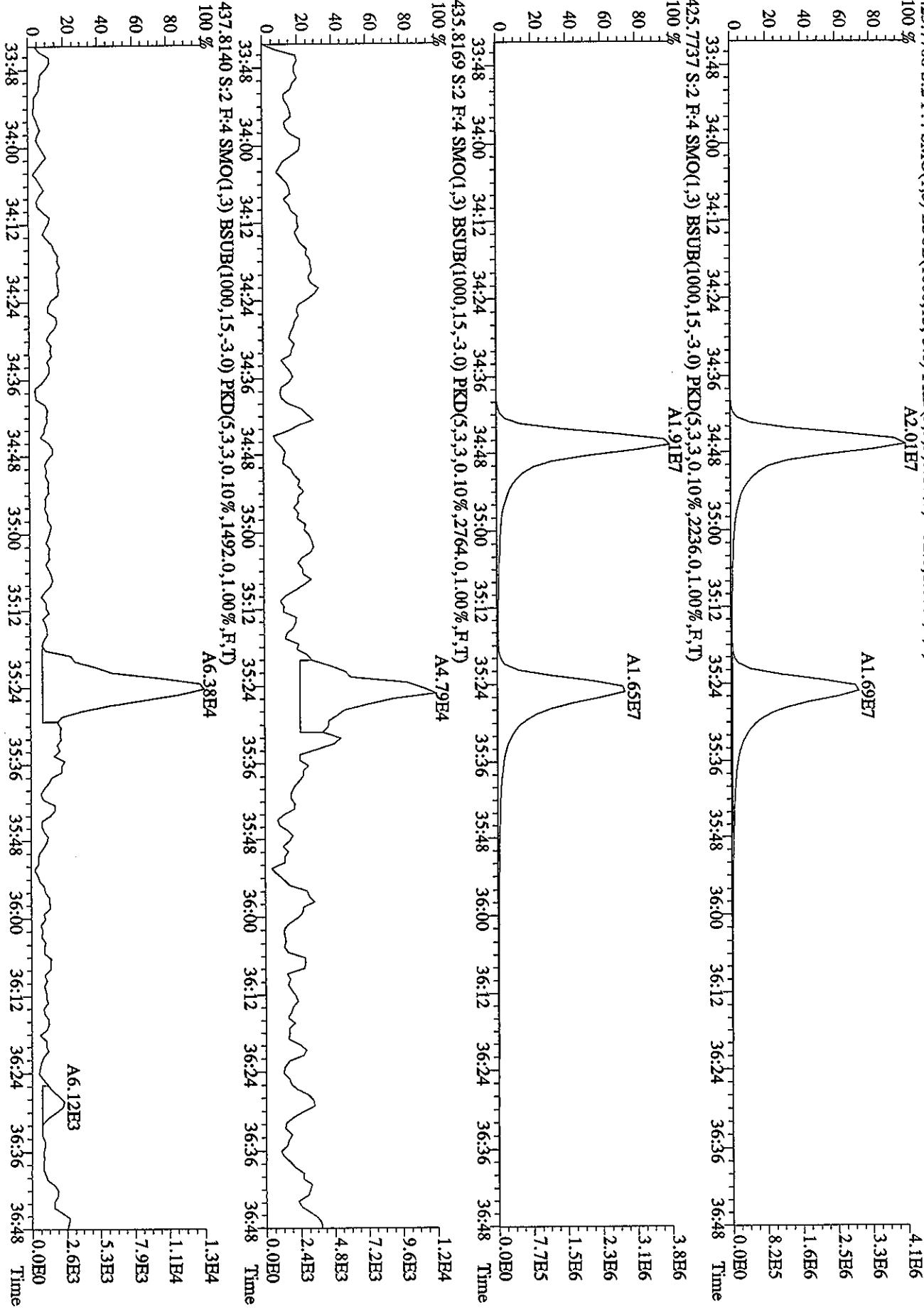
2.0E4

1.5E4

1.0E4

5.1E3

File:28MAR068D5 #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
423.7766 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 13:33:04 GC El+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0328 :DB-5 CPSM 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)
 100 %
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

A7.82E4

1.1E4

9.6E3

8.6E3

7.5E3

6.4E3

5.4E3

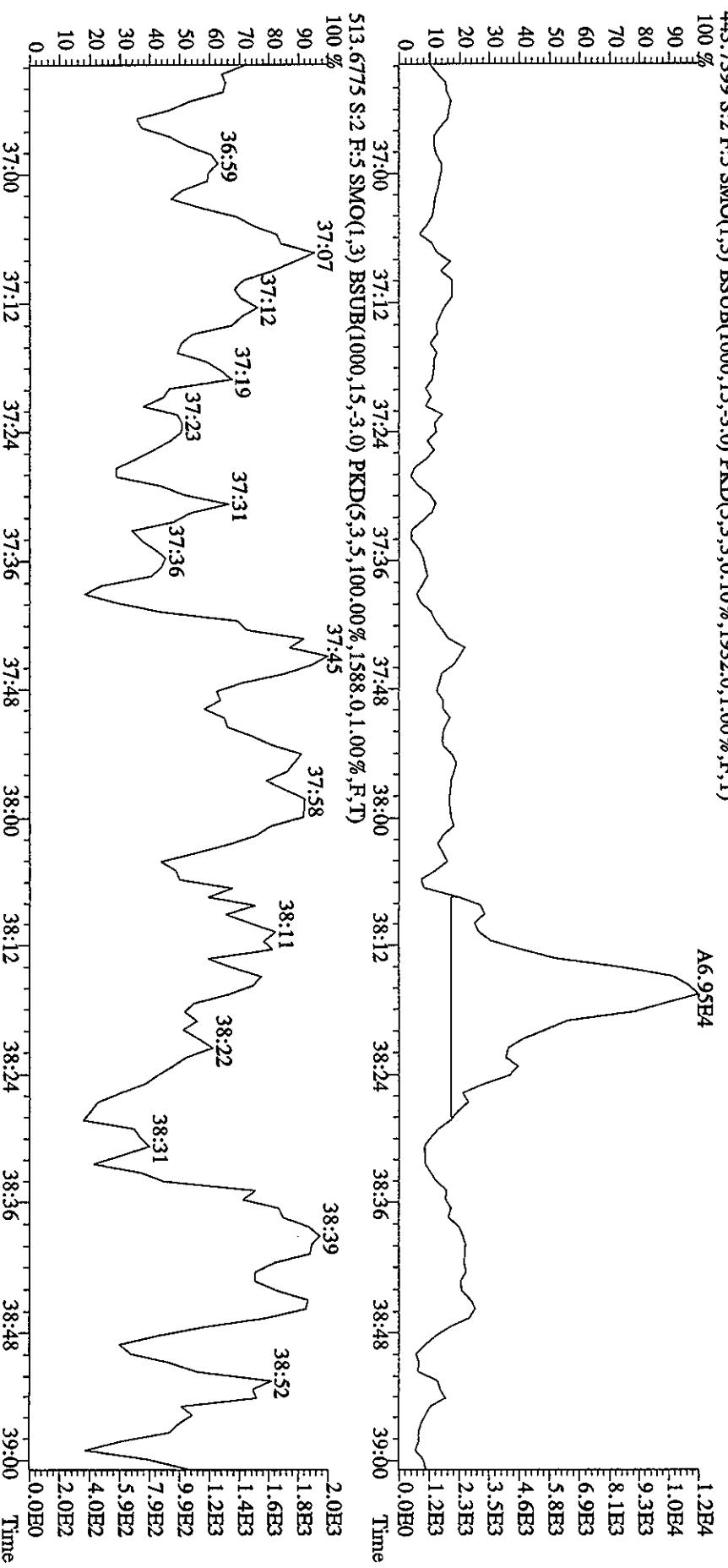
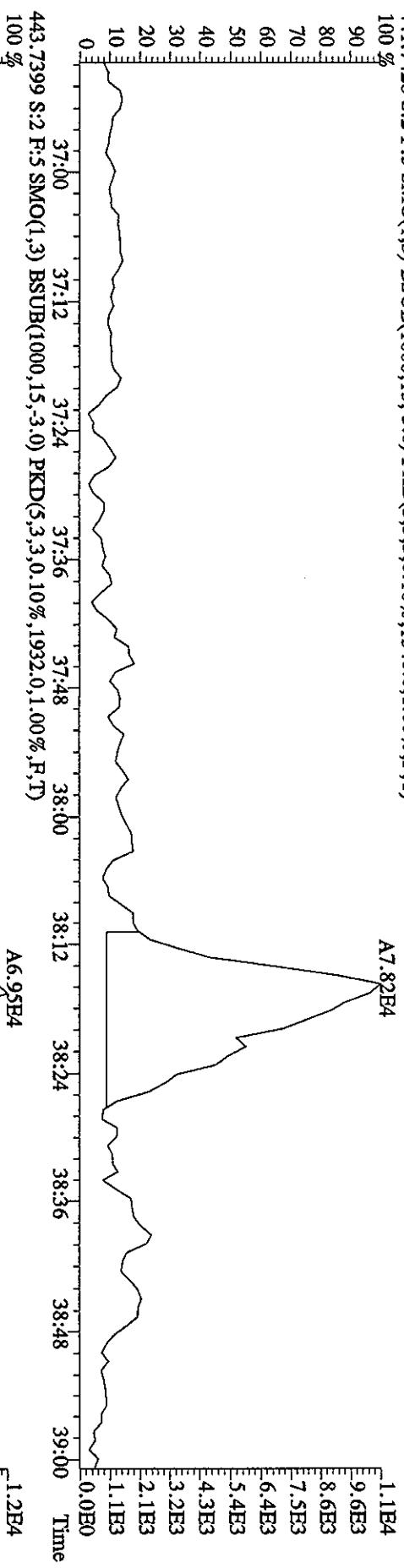
4.3E3

3.2E3

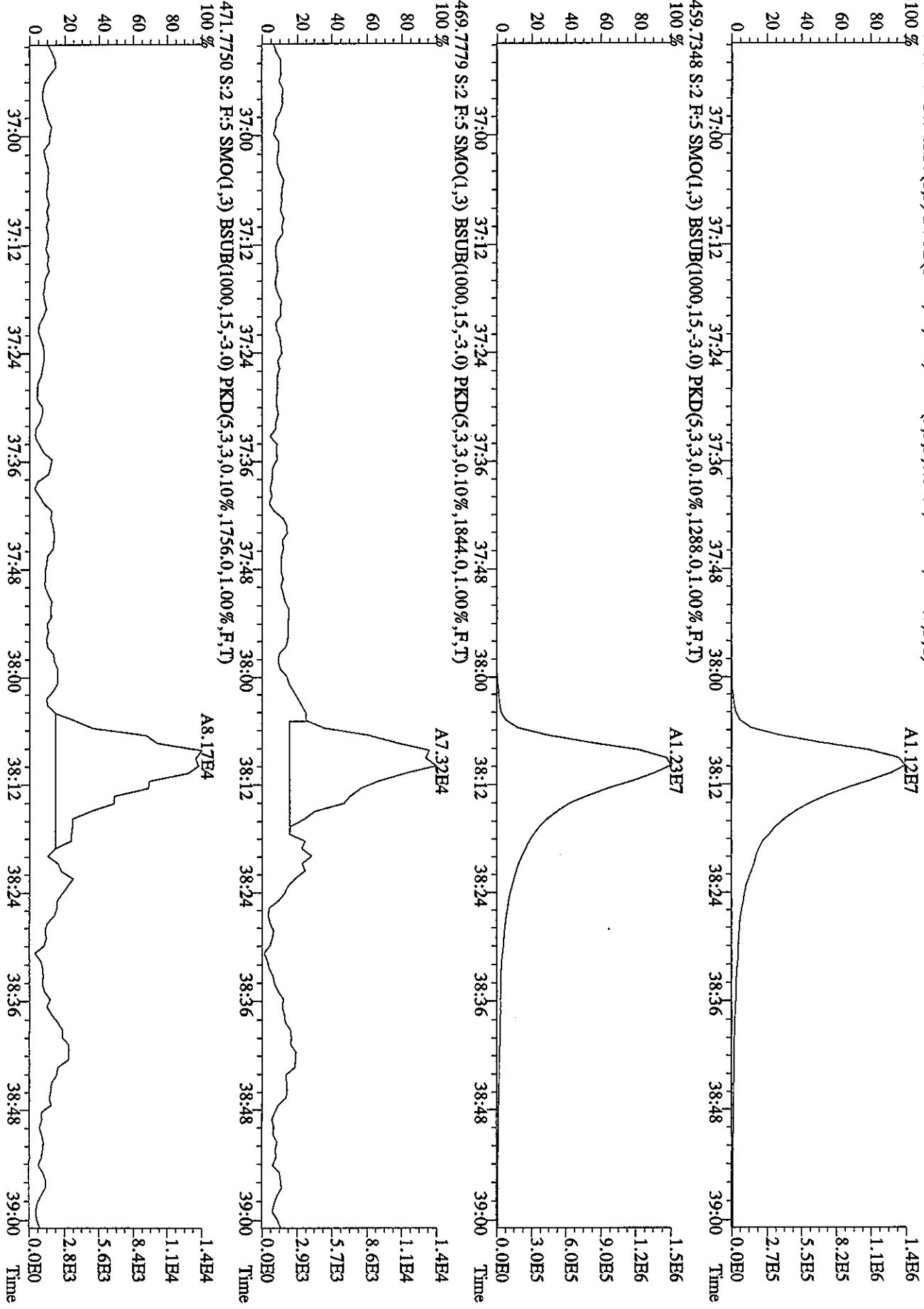
2.1E3

1.1E3

0.0E0



File:28MR068D5 #1-158 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE
 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)
 100 %



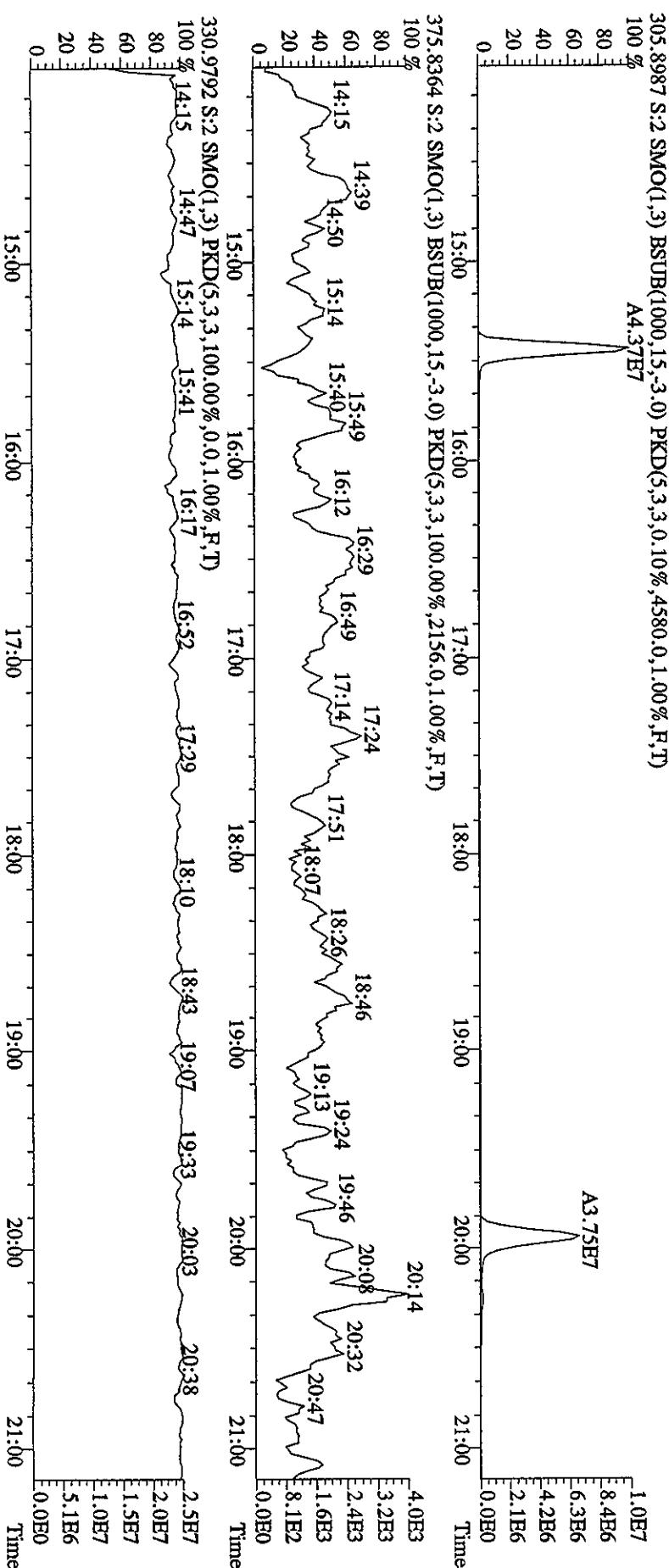
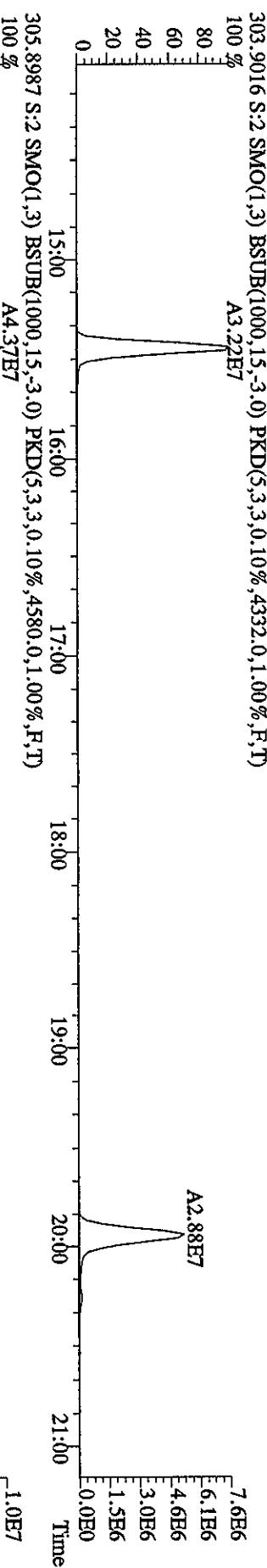
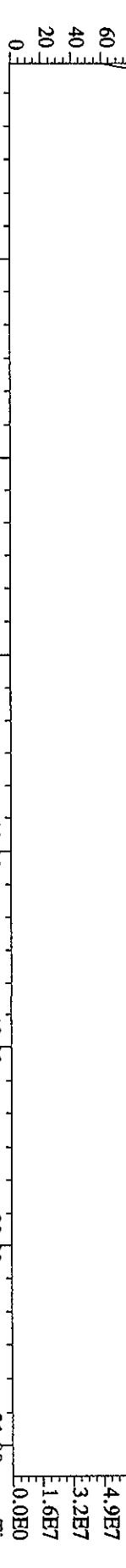
File:28MR068D5 #1-388 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE

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

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

100 % 14:23 15:05 15:39 15:55 16:24 17:03 17:36 18:11 18:39 19:07 20:05 20:31

80 8.1E7
60 6.5E7
40 4.9E7
20 3.2E7
0 1.6E7



File:28MR068D5 #1484 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:CP328 Exp:DIOXIN

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

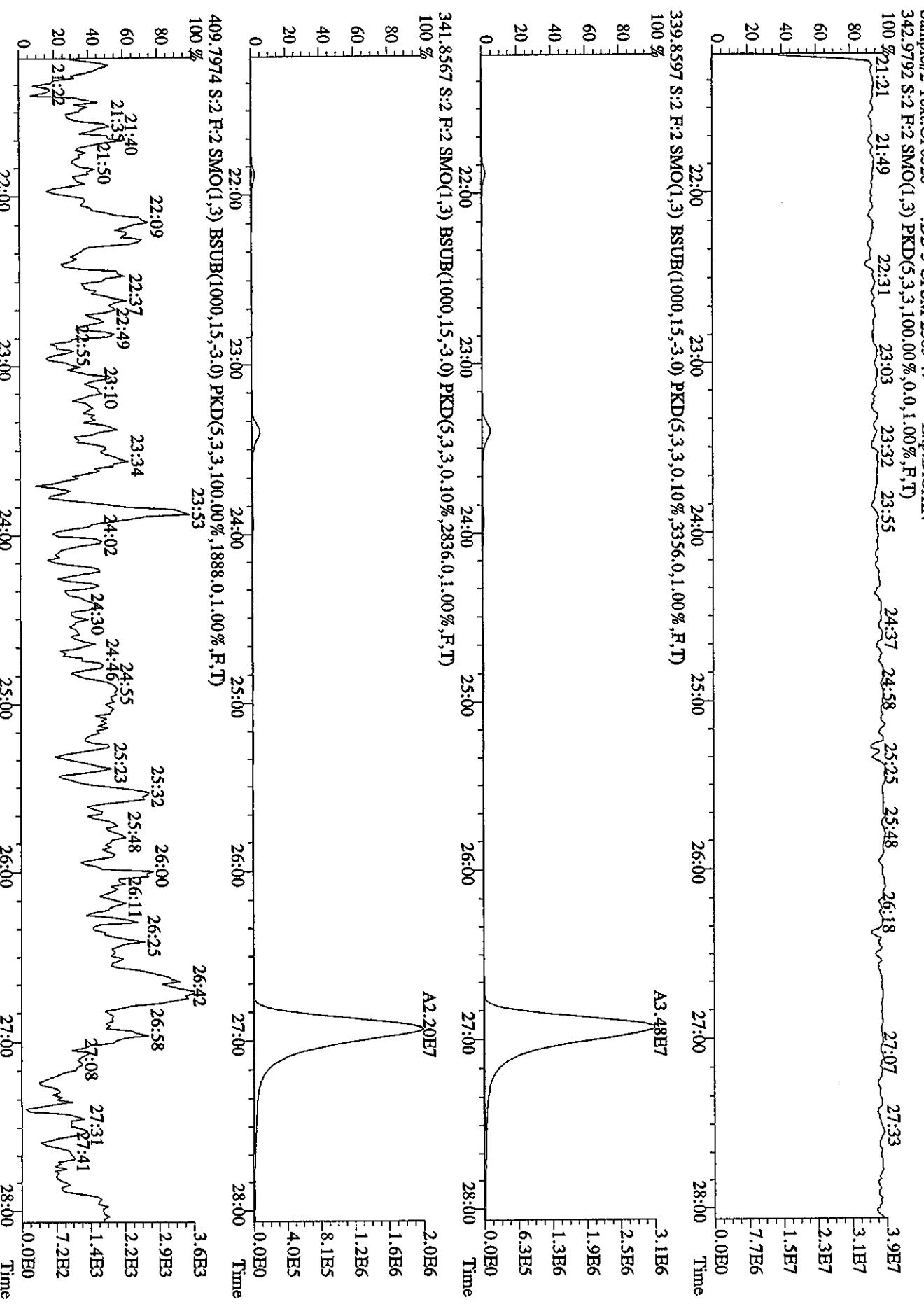
100 % 21:21 21:49 22:31 23:03 23:32 23:55 24:37 24:58 25:25 25:48 26:18 27:07 27:33 3.9E7

80 21:21 21:49 22:31 23:03 23:32 23:55 24:37 24:58 25:25 25:48 26:18 27:07 27:33 3.1E7

60 21:21 21:49 22:31 23:03 23:32 23:55 24:37 24:58 25:25 25:48 26:18 27:07 27:33 2.3E7

40 21:21 21:49 22:31 23:03 23:32 23:55 24:37 24:58 25:25 25:48 26:18 27:07 27:33 1.5E7

20 21:21 21:49 22:31 23:03 23:32 23:55 24:37 24:58 25:25 25:48 26:18 27:07 27:33 7.7E6



File:28MR068D5 #1-378 Acq:28-MAR-2006 13:53:04 GC El+ Voltage SIR Autospec-UltimaB

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)

100 % 28:14 28:41 29:10 29:36 29:55 30:19 30:42 31:13 31:40 32:08 32:31 32:52 33:16 33:33 2.4E7

80 1.9E7

60 1.4E7

40 9.5E6

20 4.8E6

0 0.0E0

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)

100 % 29:00 30:00 31:00 32:00 33:00 Time

80 A4.31E7 5.6E6

60 4.5E6

40 3.4E6

20 2.2E6

0 1.1E6

A4.31E7 4.8E6

29:00 30:00 31:00 32:00 33:00 Time

375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4148.0,1.00%,F,T)

100 % 29:00 30:00 31:00 32:00 33:00 Time

80 A3.47E7 4.4E6

60 3.6E6

40 2.7E6

20 1.8E6

0 8.9E5

A3.47E7 5.6E6

29:00 30:00 31:00 32:00 33:00 Time

445.7355 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1840.0,1.00%,F,T)

100 % 29:00 29:02 29:20 29:39 30:10 31:13 31:35 32:02 32:08 32:52 33:16 Time

80 2.6E3

60 2.1E3

40 1.6E3

20 1.0E3

0 5.2E2

29:00 29:02 29:20 29:39 30:10 31:13 31:35 32:02 32:08 32:52 33:16 Time

380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 28:23 28:42 29:06 29:24 29:43 30:00 30:17 30:35 31:03 31:35 32:02 32:37 33:02 33:28 2.8E7

80 2.3E7

60 1.7E7

40 1.1E7

20 5.7E6

0 0.0E0

29:00 30:00 31:00 32:00 33:00 Time

File:28MR068D5 #1-216 Acq:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:CP0328 :DB-5 CPSM 256547 Exp:DIOXIN

430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)

100 % 33:54 34:03 34:17 34:31 34:42 35:02 35:18 35:33 35:43 36:00 36:17 36:28 36:38 1.7E7

80 1.4E7

60 1.0E7

40 6.8E6

20 3.4E6

0 0.0E0

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time

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 % A3.09E7 6.8E6

80 5.4E6

60 4.1E6

40 2.7E6

20 1.4E6

0 0.0E0

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time

409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5664.0,1.00%,F,T)

100 % A2.98E7 6.5E6

80 5.2E6

60 3.9E6

40 2.6E6

20 1.3E6

0 0.0E0

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time

479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1964.0,1.00%,F,T)

100 % 35:11 35:20 35:24 35:36 35:48 36:04 36:10 36:28 3.7E3

80 3.0E3

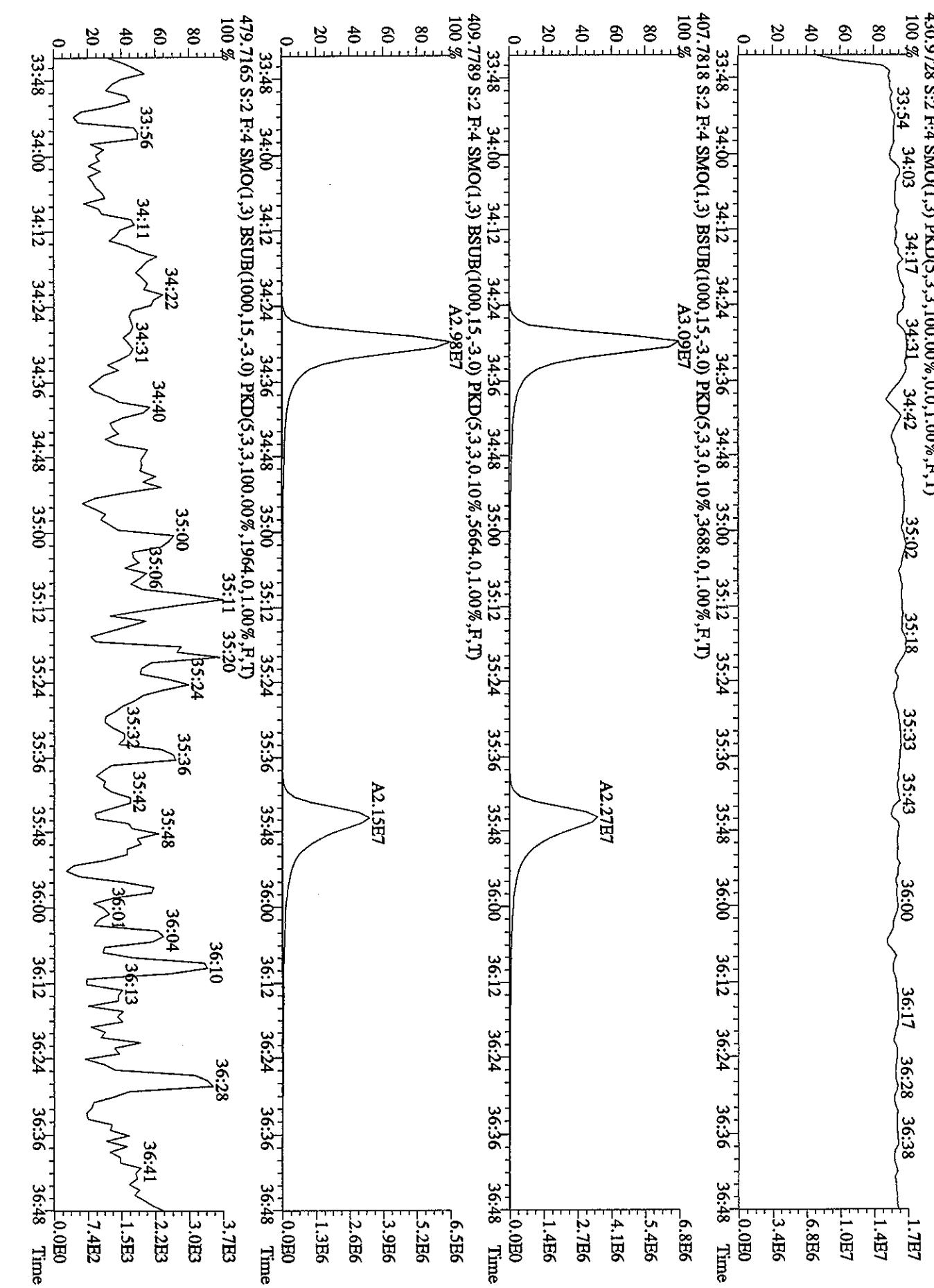
60 2.2E3

40 1.5E3

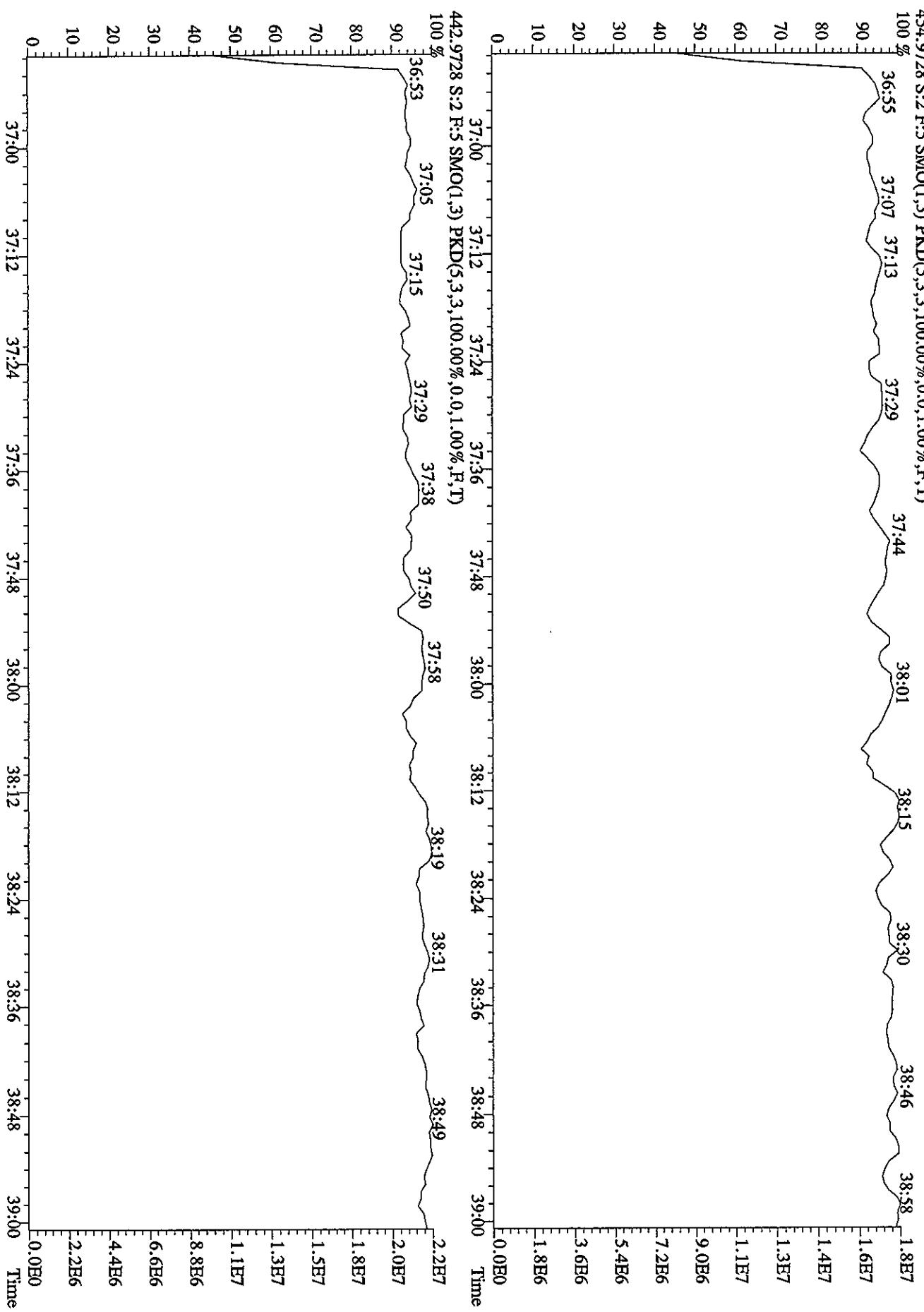
20 7.4E2

0 0.0E0

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time



File:28MR068DS #1-158 Aqc:28-MAR-2006 13:53:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0328
DB-5 CPSM 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)
100 % 36:55 37:07 37:13 37:29 37:44 38:01 38:15 38:30 38:46 38:58 1.8E7



Quantitation Summary

STL

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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

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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	NotFnd	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:23MR068DS #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)

A6.12E6

1.3E6

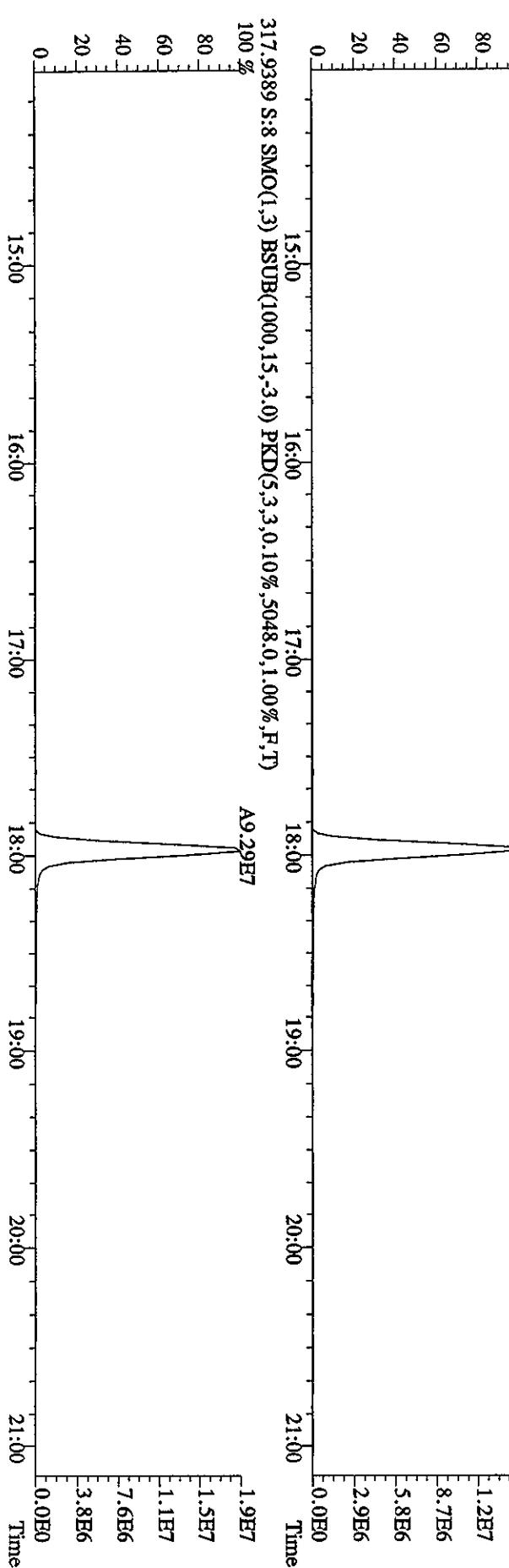
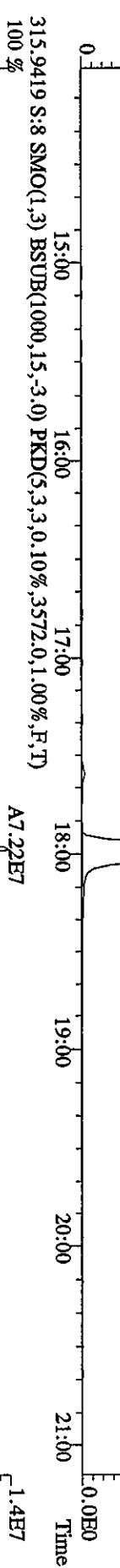
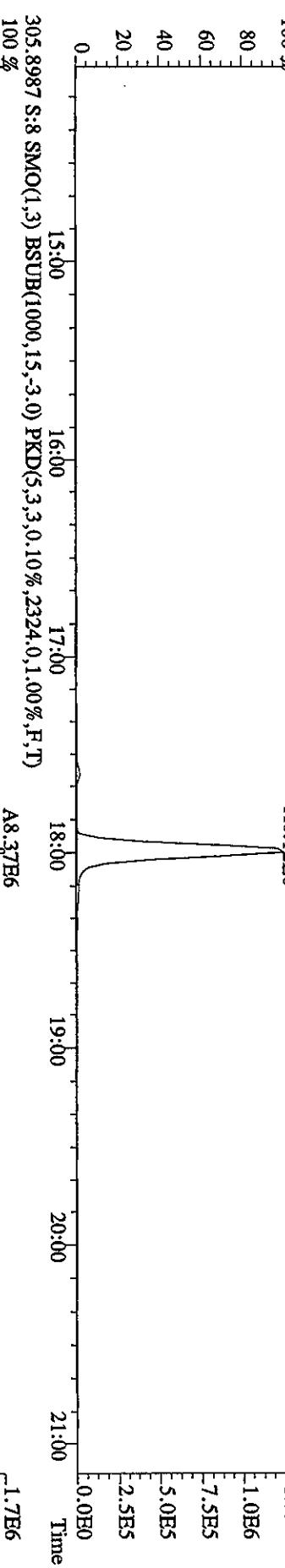
1.0E6

7.5E5

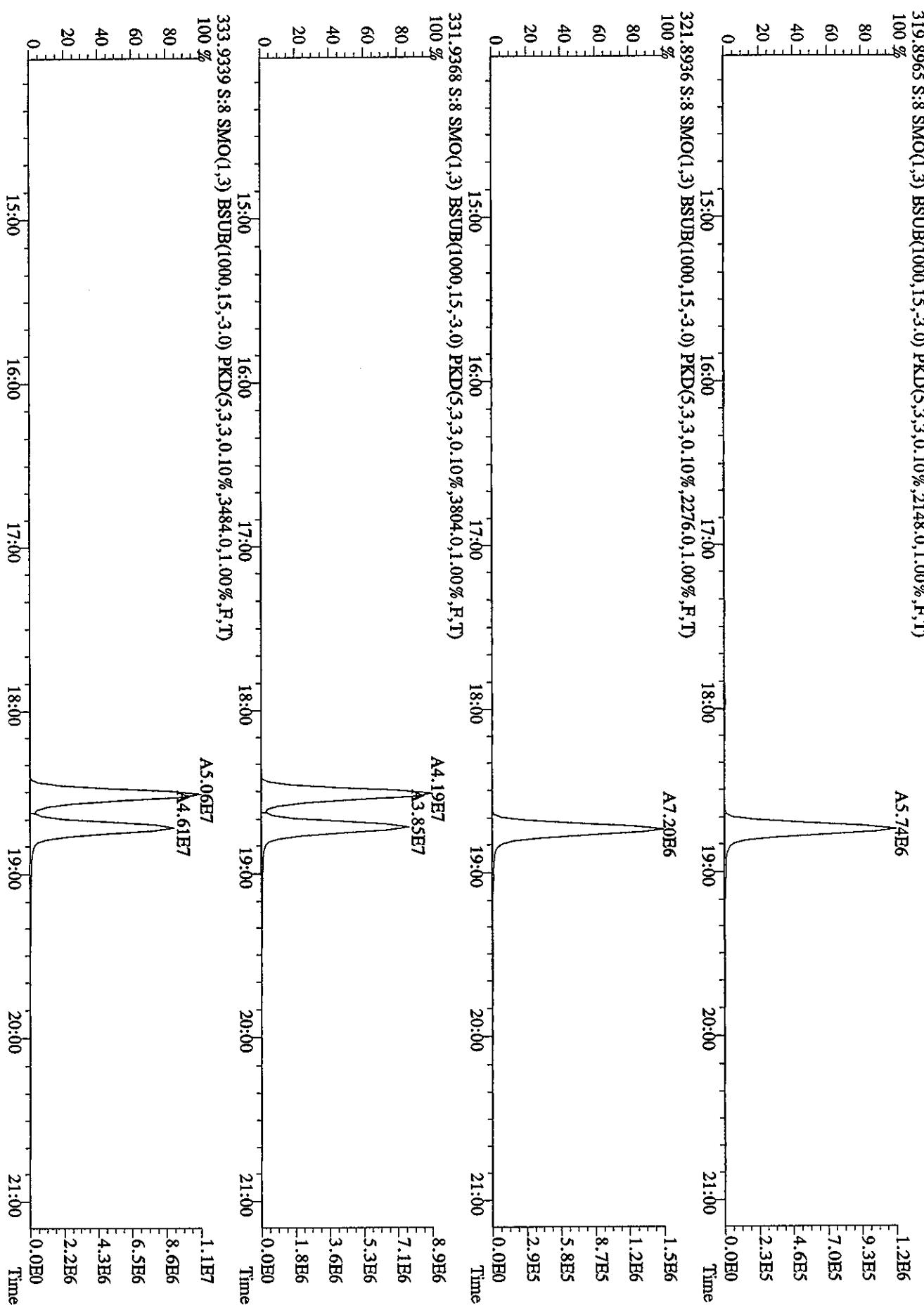
5.0E5

2.5E5

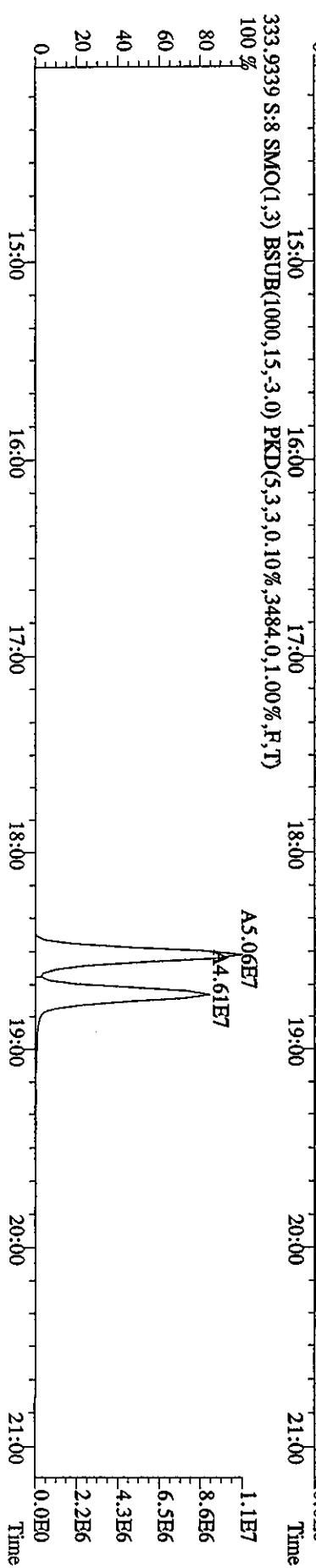
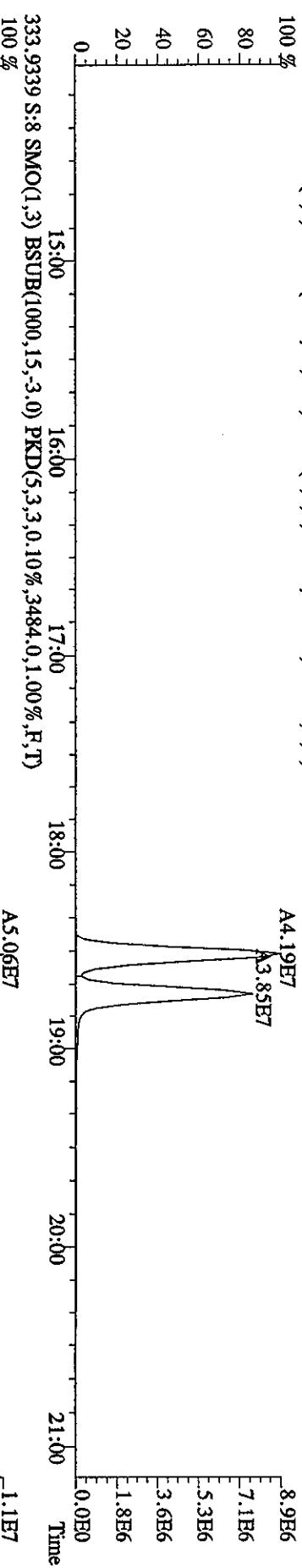
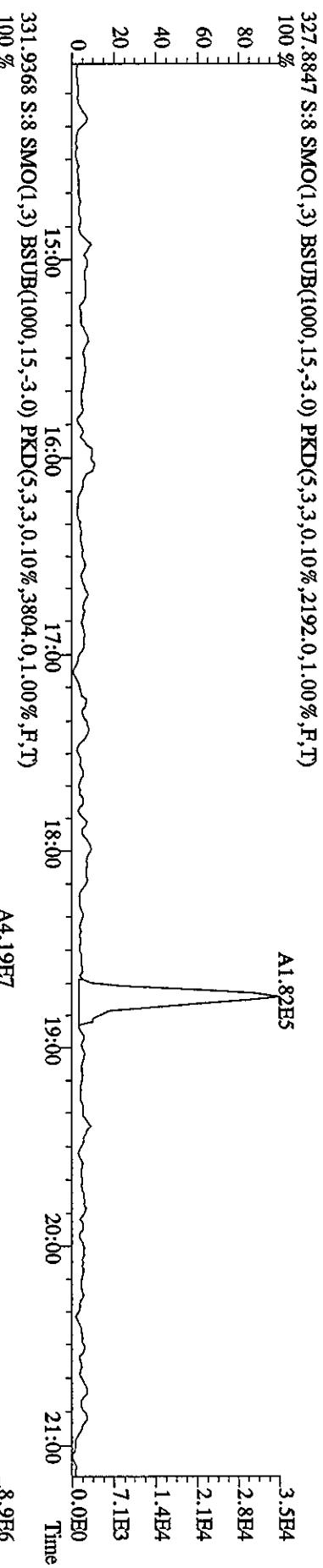
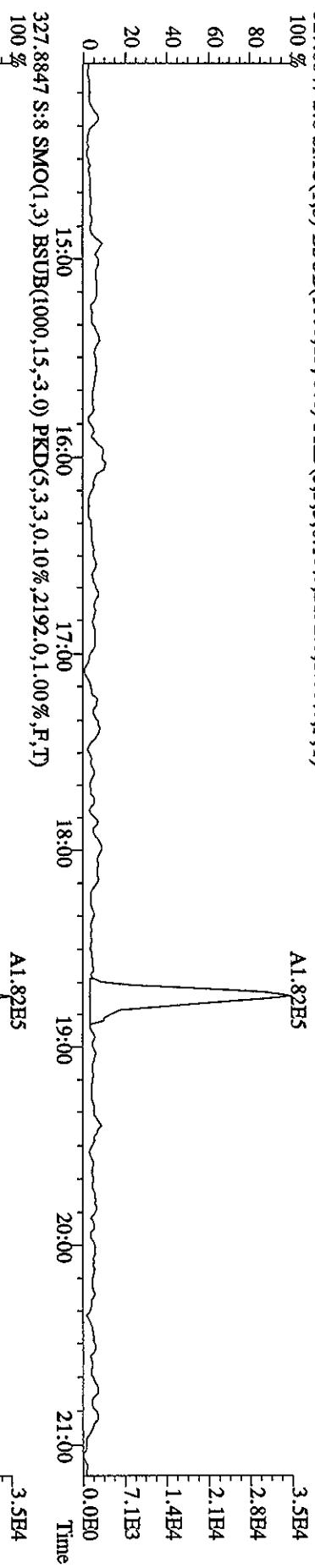
0.0E0



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
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 Tex: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)
 100 %



File:28MR068D5 #1484 Acq:28 MAR 2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE

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

4.0E6

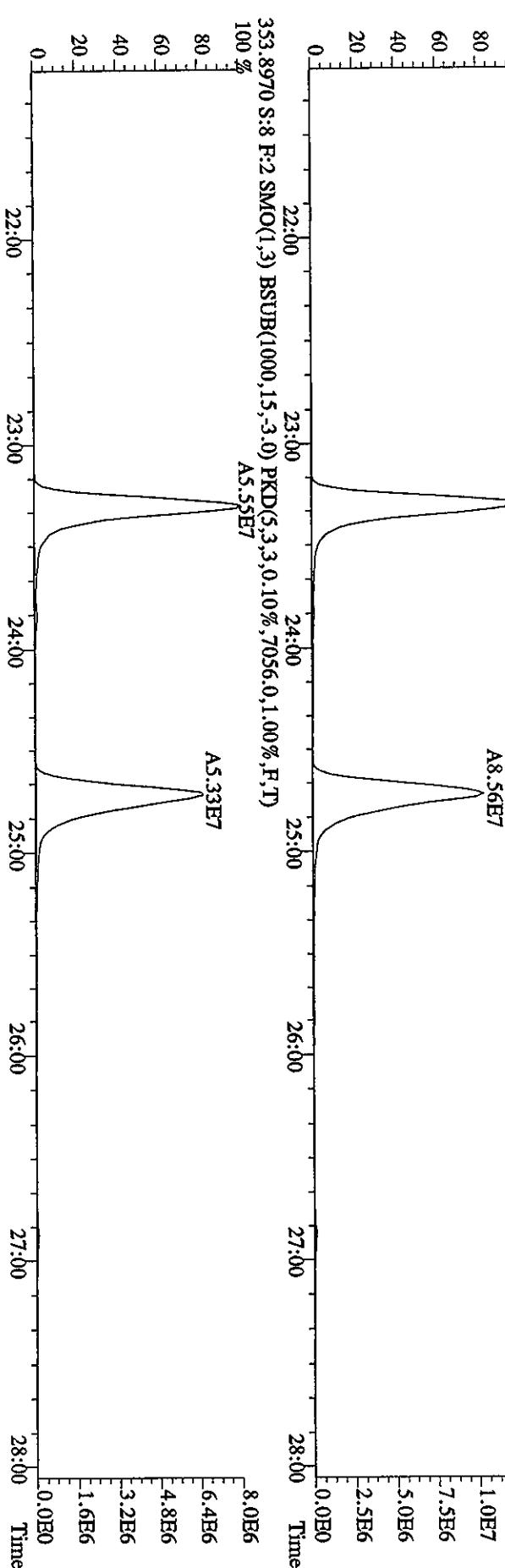
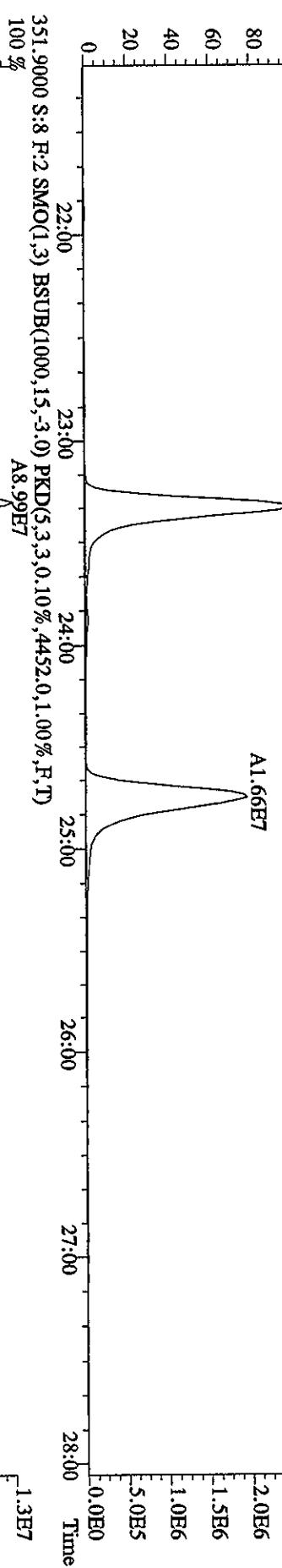
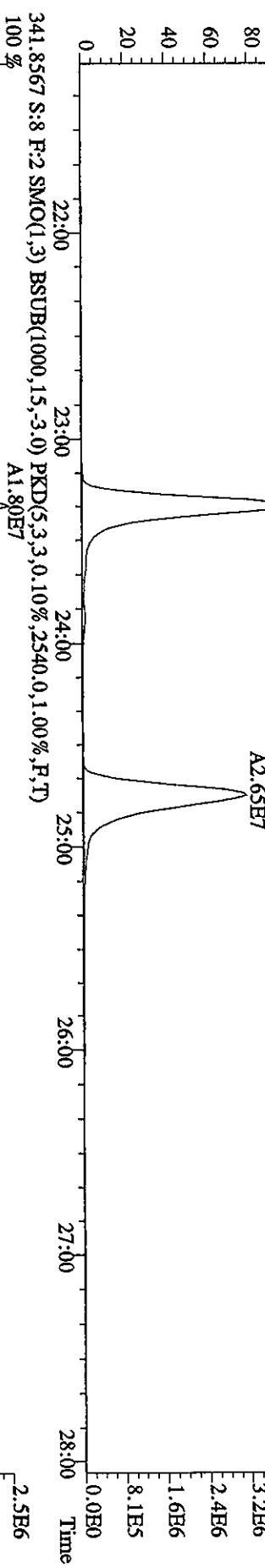
3.2E6

2.4E6

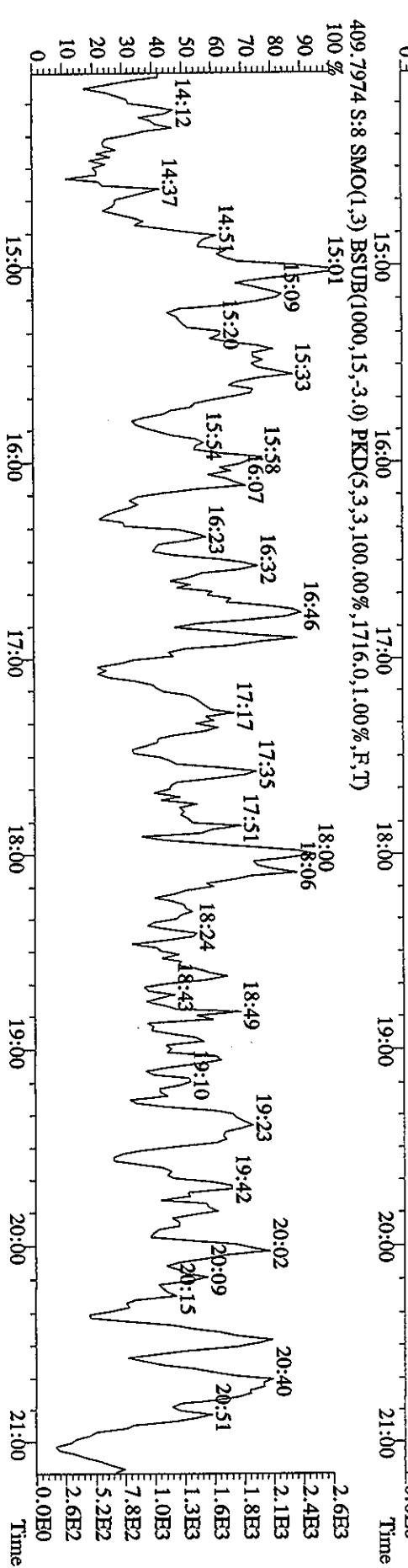
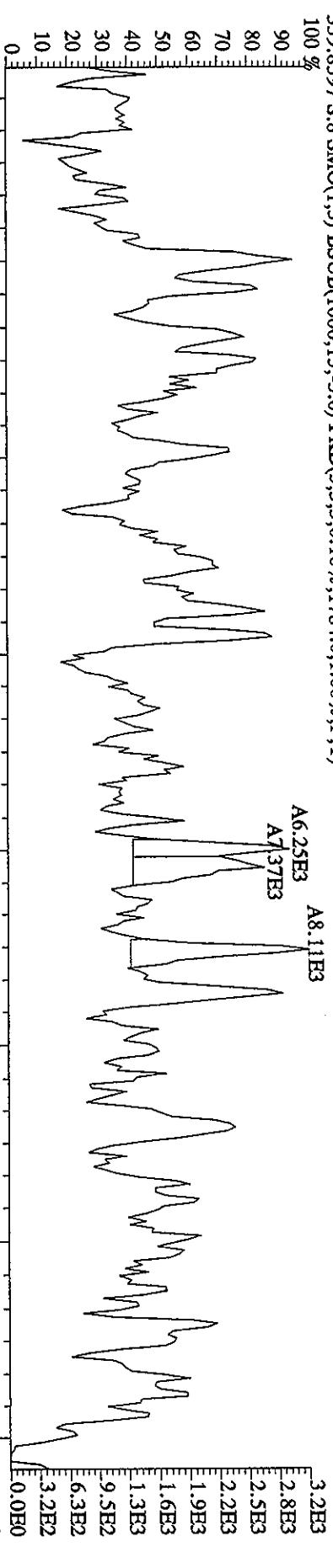
1.6E6

8.1E5

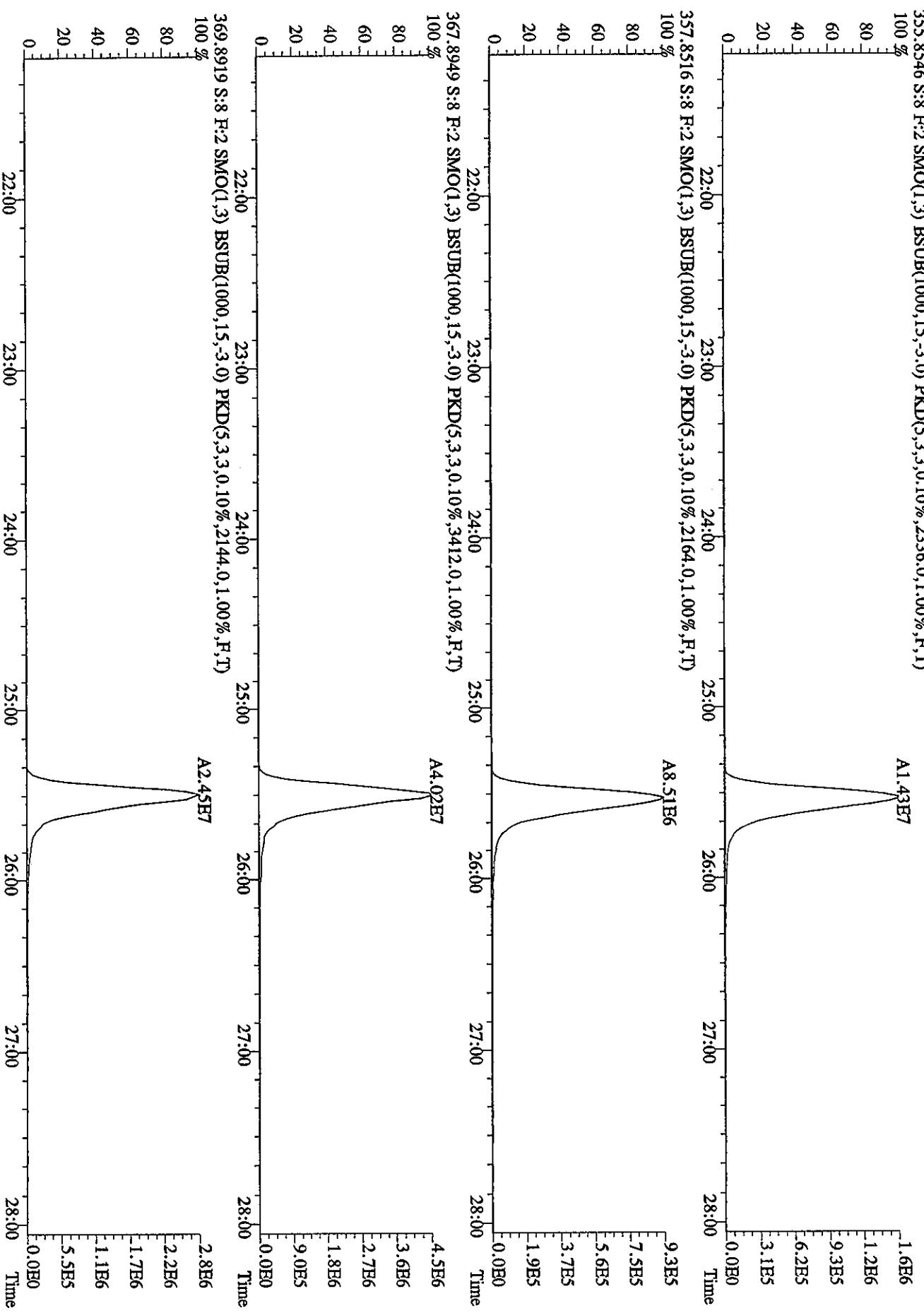
0.0E0



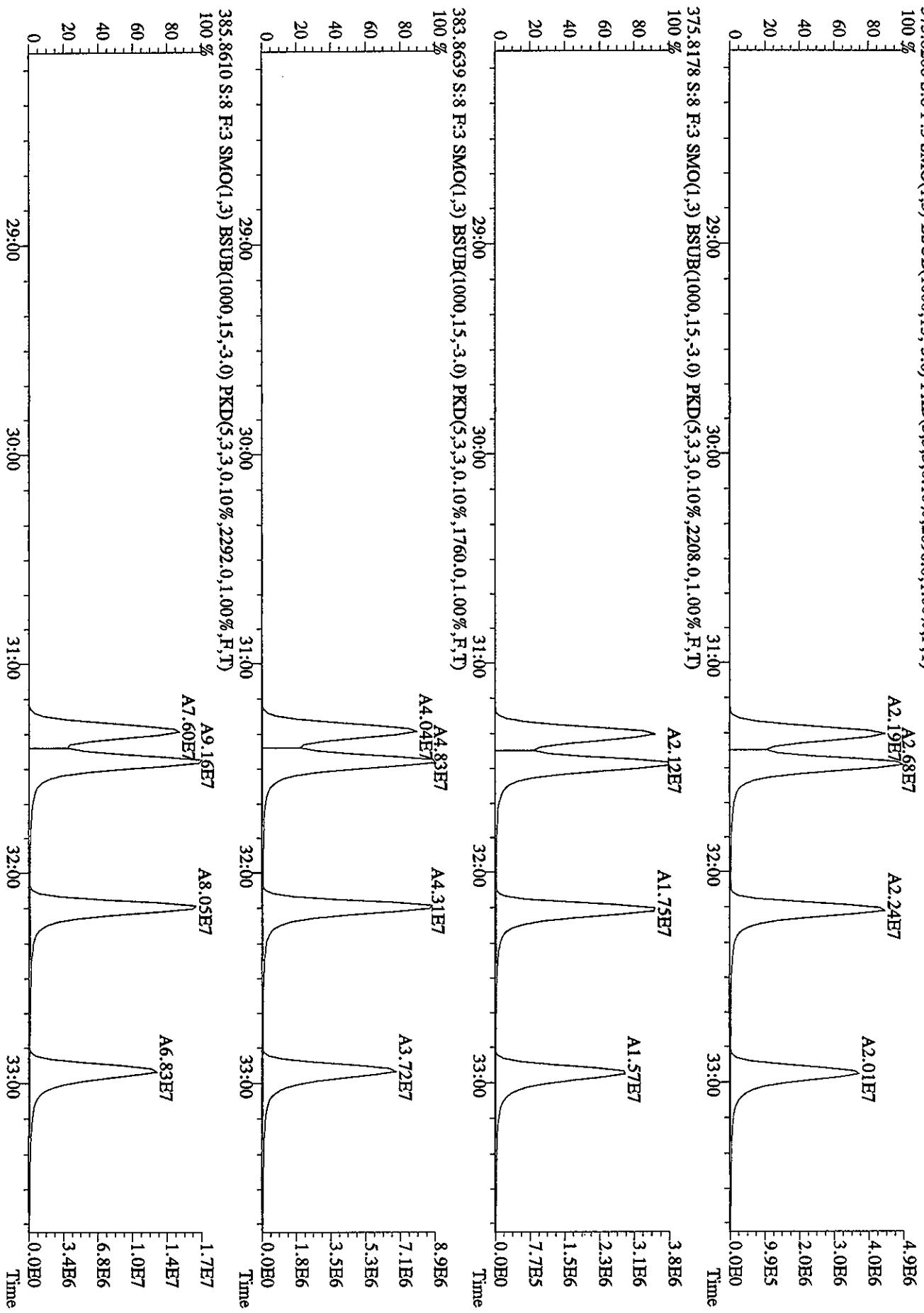
File:28MR068D5 #1-388 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN
 339 8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2256,0.1.00%,F,T)



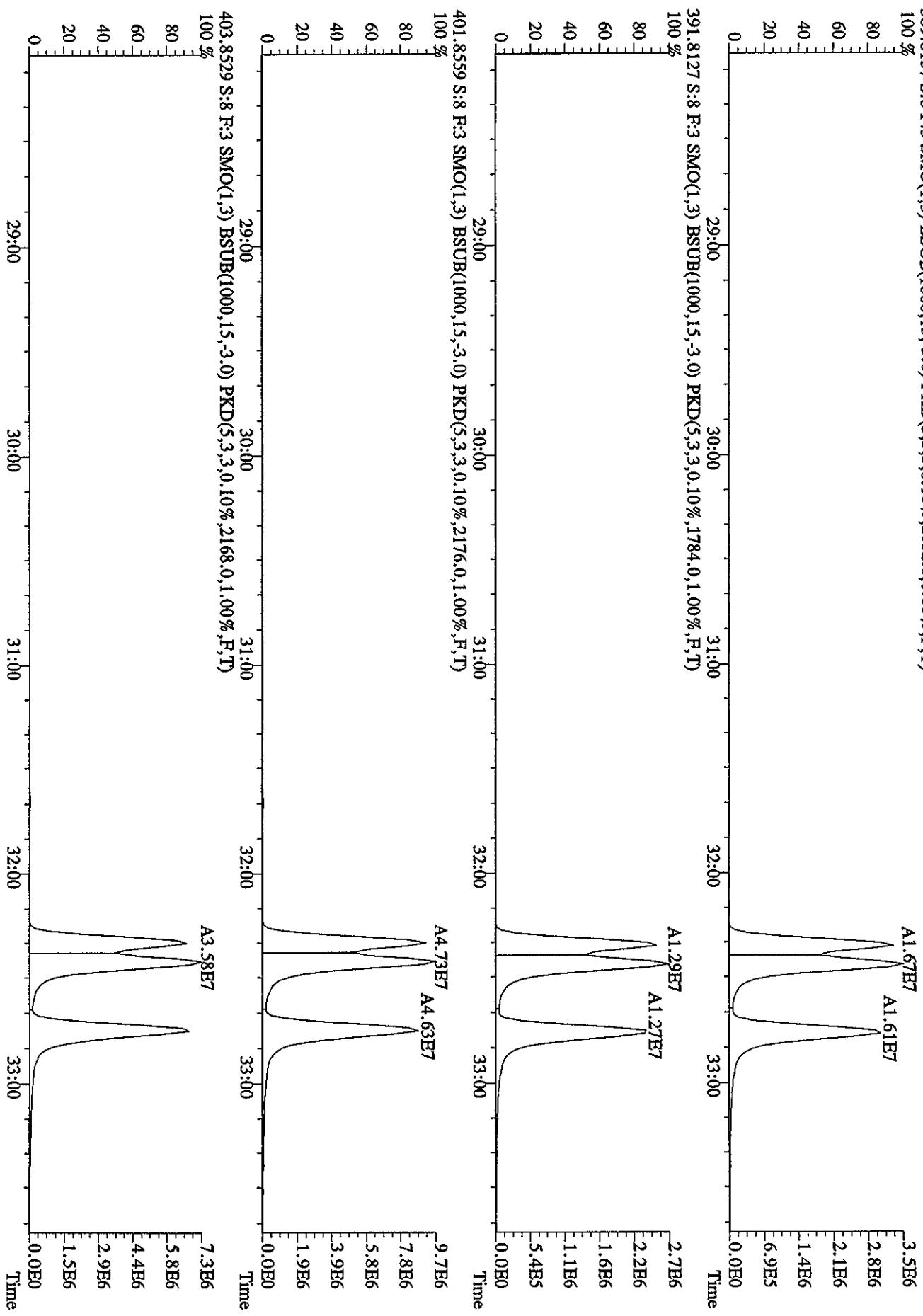
File:28MR068D5 #1484 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN
355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2336.0,1.00%,R,T)



File:28MR068D5 #1-378 Acq:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text: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%,2996.0,1.00%,F,T)



File:28MR068D5 #1-378 Acq:28-MAR-2006 18:04:06 GC El+ Voltage SIR Autospec-UltimaH
Sample#8 Text: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%,R,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 % A1.95E7

4.3E6

3.4E6

2.6E6

1.7E6

8.6E5

0.0E0

A1.44E7

4.1E6

3.3E6

2.5E6

1.6E6

8.2E5

0.0E0

409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6752.0,1.00%,F,T)

100 % A1.86E7

4.1E6

3.3E6

2.5E6

1.6E6

8.2E5

0.0E0

A1.36E7

4.1E6

3.3E6

2.5E6

1.6E6

8.2E5

0.0E0

417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5608.0,1.00%,F,T)

100 % A3.26E7

7.1E6

5.7E6

4.3E6

2.9E6

1.4E6

0.0E0

A2.31E7

7.1E6

5.7E6

4.3E6

2.9E6

1.4E6

0.0E0

419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18716.0,1.00%,F,T)

100 % A7.05E7

1.6E7

1.2E7

9.3E6

6.2E6

3.1E6

0.0E0

A5.01E7

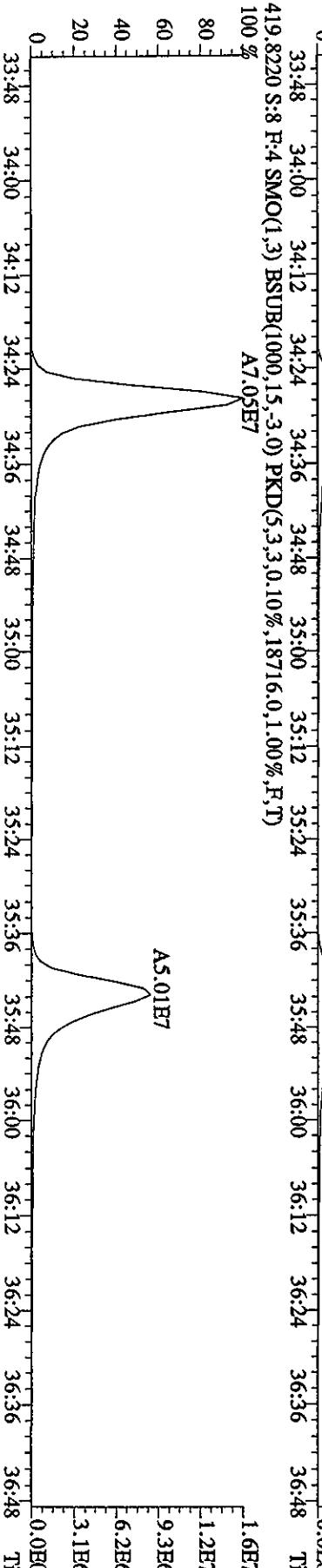
80

60

40

20

0



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 %
80
60
40
20
0

2.2E6

1.8E6

1.3E6

9.0E5

4.5E5

2.1E6

1.7E6

1.3E6

8.3E5

4.2E5

0.0E0

425.7737 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1932.0,1.00%,F,T)

A1.10E7

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time

435.8169 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)

100 %
80
60
40
20
0

7.5E6

6.0E6

4.5E6

3.0E6

1.5E6

0.0E0

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time

437.8140 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5936.0,1.00%,F,T)

A3.67E7

100 %
80
60
40
20
0

7.1E6

5.6E6

4.2E6

2.8E6

1.4E6

0.0E0

33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 Time

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

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)

100 %

90

80

70

60

50

40

30

20

10

0

A1.80E7

2.7E6

2.4E6

2.2E6

1.9E6

1.6E6

1.4E6

1.1E6

8.1E5

5.4E5

2.7E5

0.0E0

Time

443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,788.0,1.00%,F,T)

100 %

90

80

70

60

50

40

30

20

10

A1.94E7

2.9E6

2.6E6

2.3E6

2.0E6

1.7E6

1.4E6

1.1E6

8.6E5

5.7E5

2.9E5

0.0E0

Time

513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1652.0,1.00%,F,T)

100 %

90

80

70

60

50

40

30

20

10

36:39

37:00

37:12

37:24

37:36

37:48

38:00

38:12

38:24

38:36

37:26

37:40

37:51

38:01

38:26

38:36

38:48

38:56

Time

37:00

37:12

37:24

37:36

37:48

38:00

38:12

38:24

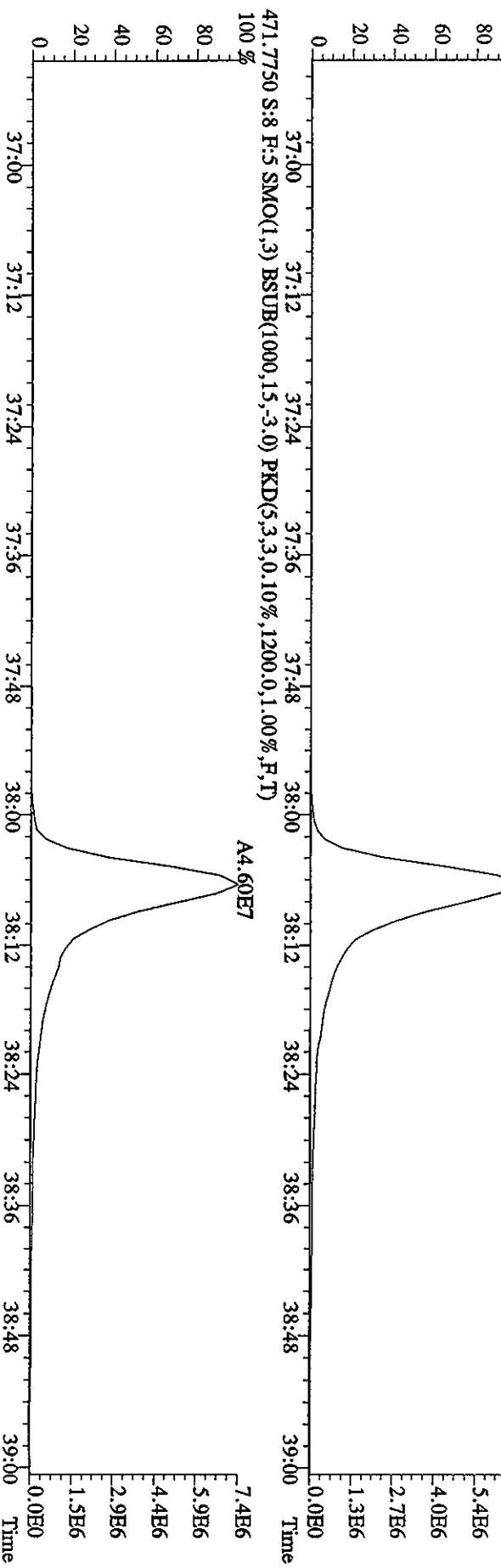
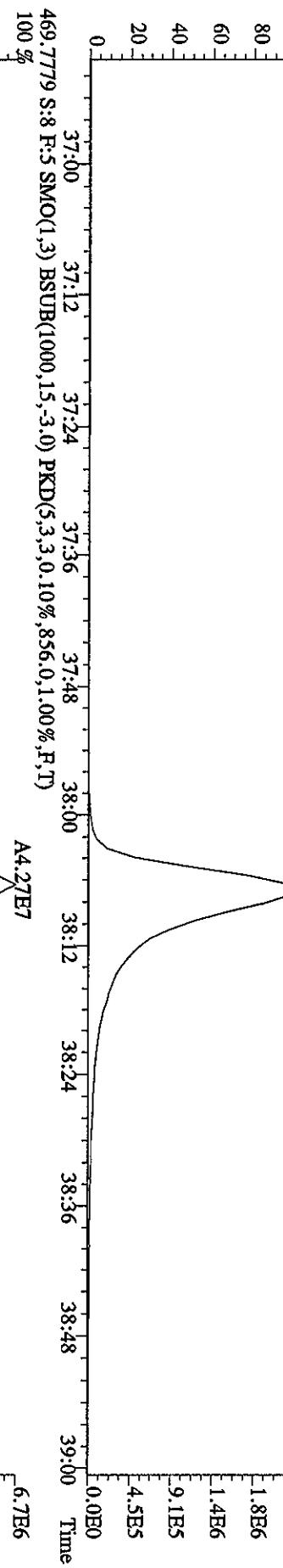
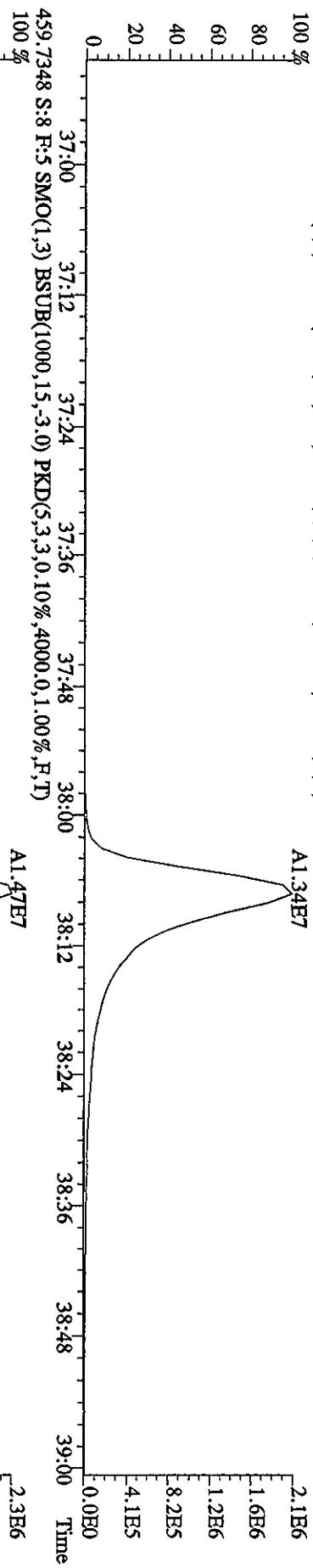
38:36

38:48

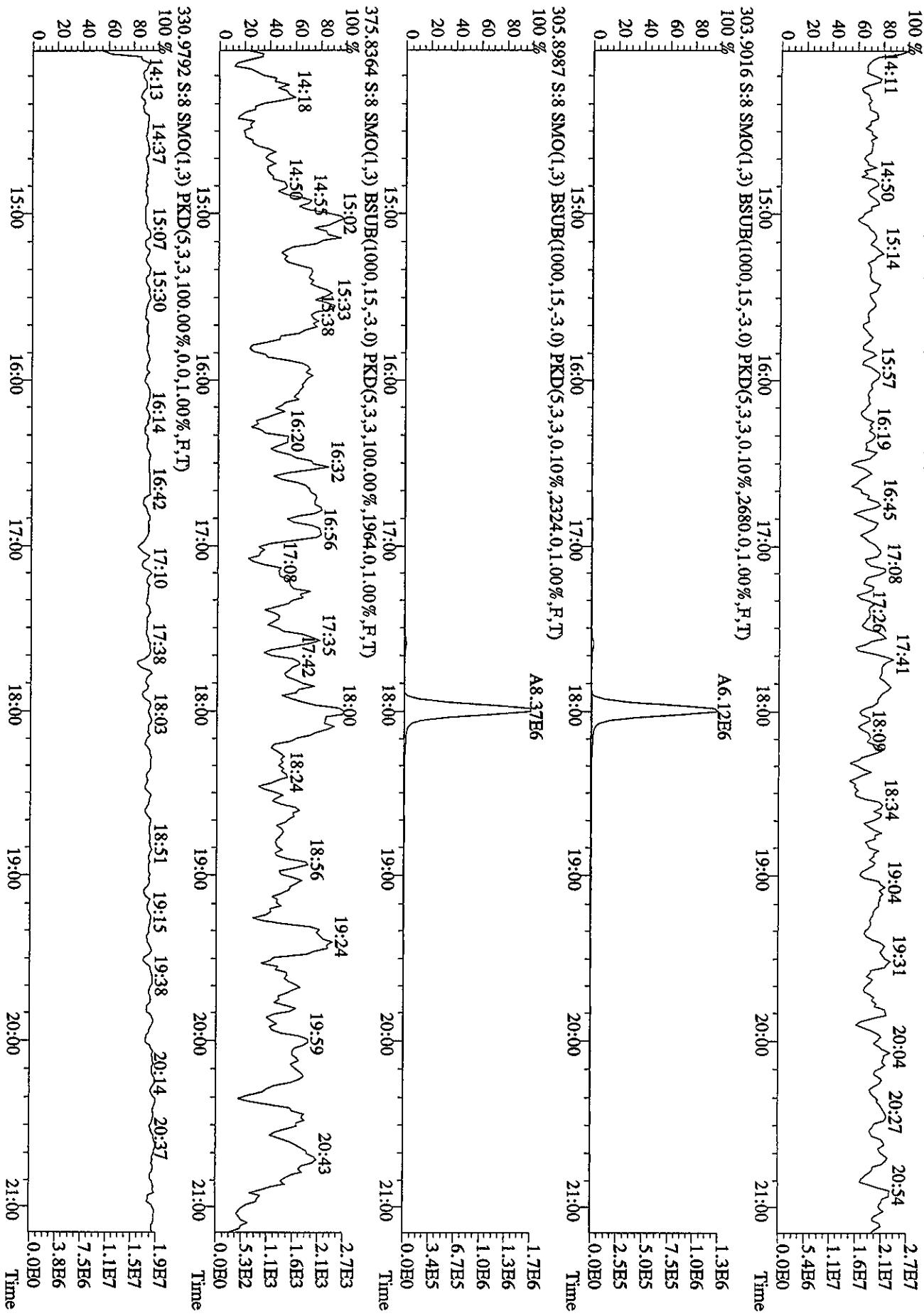
38:56

Time

File:28MR068D5 #1-157 Acq:28-MAR-2006 18:04:06 GC El+ Voltage SIR Autospec-UltimaE
 Sample#8 Text:ST0328F :2nd Source 2565-65 Exp:DIOXIN
 45.7377 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 %
 80
 60
 40
 20
 0



Sample#8 Test:ST0328F
 :2nd Source 2565-65 Exp:DIOXIN
 292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,R,T)



File:28MR068D5 #1484 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)

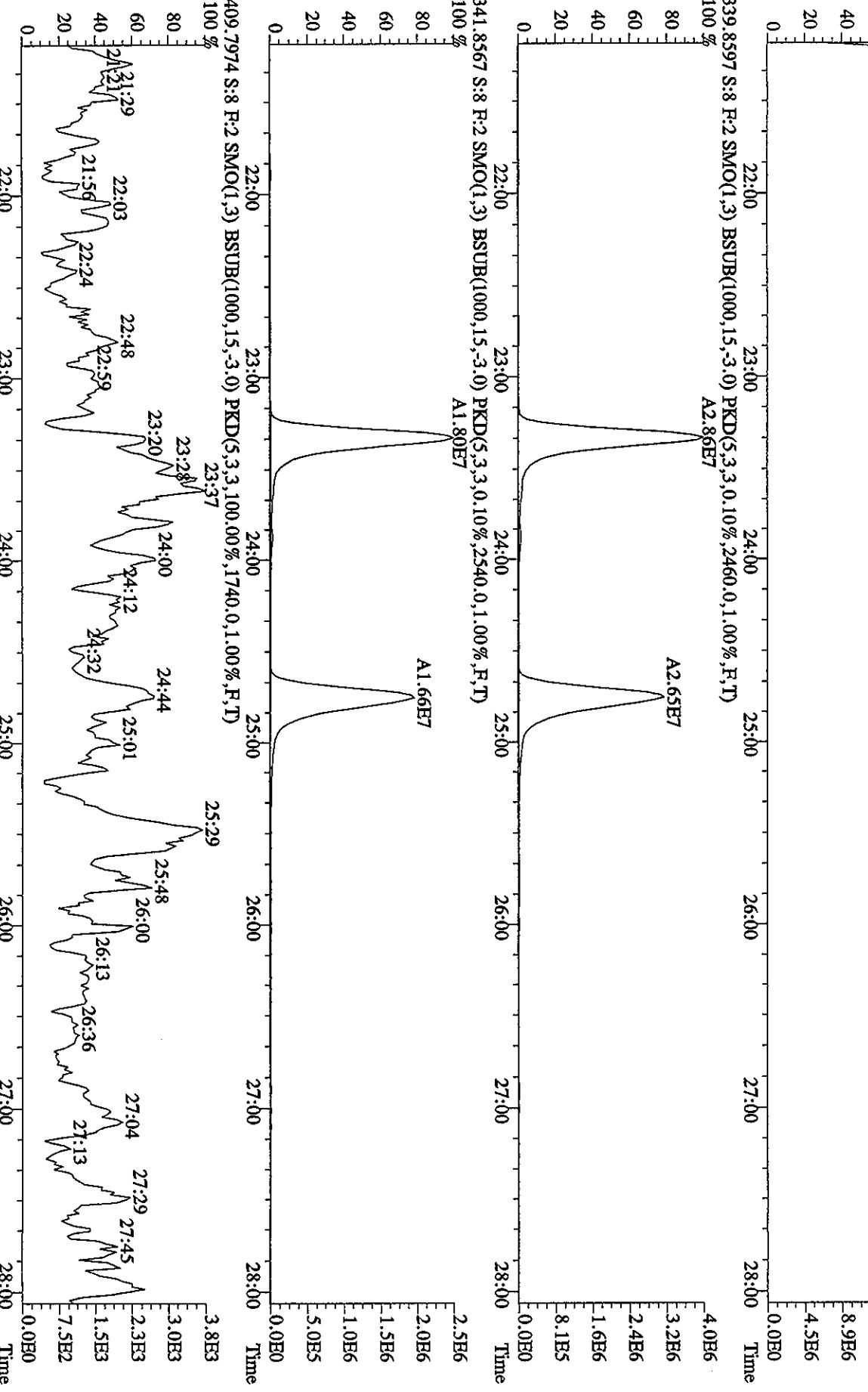
100 % 21:28 21:54 22:39 23:02 23:27 23:50 24:36 25:02 25:34 26:14 26:47 27:10 2.2E7

80 21:28 21:54 22:39 23:02 23:27 23:50 24:36 25:02 25:34 26:14 26:47 27:10 1.8E7

60 21:28 21:54 22:39 23:02 23:27 23:50 24:36 25:02 25:34 26:14 26:47 27:10 1.3E7

40 21:28 21:54 22:39 23:02 23:27 23:50 24:36 25:02 25:34 26:14 26:47 27:10 8.9E6

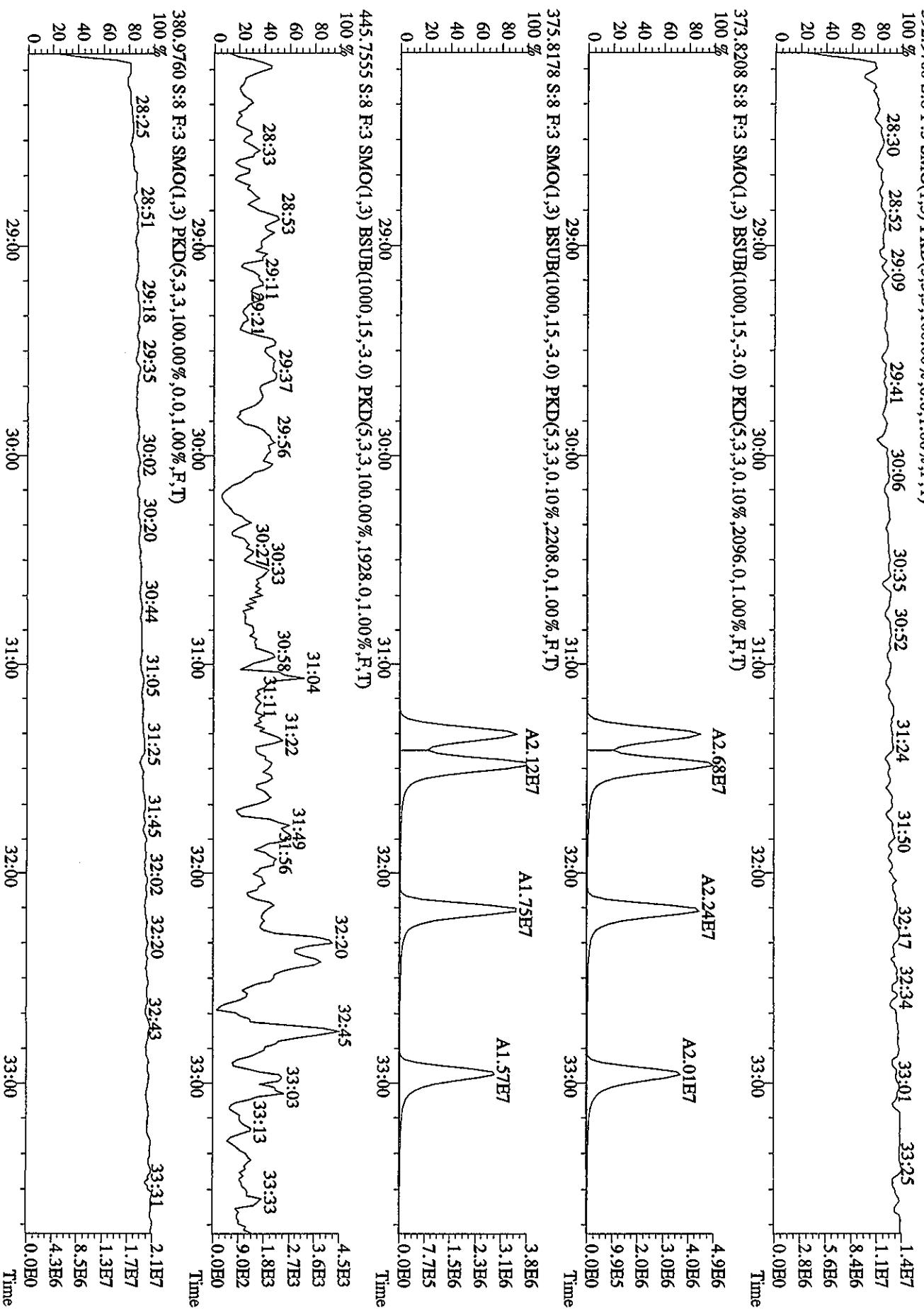
20 21:28 21:54 22:39 23:02 23:27 23:50 24:36 25:02 25:34 26:14 26:47 27:10 4.5E6



Sample#8 Text: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%,R,T)

300 % 28:30 28:52 29:09 29:41 30:06 30:35 30:52 31:24 31:50 32:17 32:34 33:01 33:25 1.4E7
280 % 28:30 28:52 29:09 29:41 30:06 30:35 30:52 31:24 31:50 32:17 32:34 33:01 33:25 1.1E7
260 % 28:30 28:52 29:09 29:41 30:06 30:35 30:52 31:24 31:50 32:17 32:34 33:01 33:25 8.4E6
240 % 28:30 28:52 29:09 29:41 30:06 30:35 30:52 31:24 31:50 32:17 32:34 33:01 33:25 5.6E6
220 % 28:30 28:52 29:09 29:41 30:06 30:35 30:52 31:24 31:50 32:17 32:34 33:01 33:25 2.8E6
200 % 28:30 28:52 29:09 29:41 30:06 30:35 30:52 31:24 31:50 32:17 32:34 33:01 33:25 0.0E0



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

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

100 % 33.55 34.11 34.24 34.35 34.45 35.04 35.18 35.28 35.45 36.11 36.43 1.3E7

80 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 0.0E0 Time

60 407.7818 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 % 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 A1.95E7 4.3E6 3.4E6 2.6E6 1.7E6 8.6E5 0.0E0 Time

409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6752.0,1.00%,F,T)

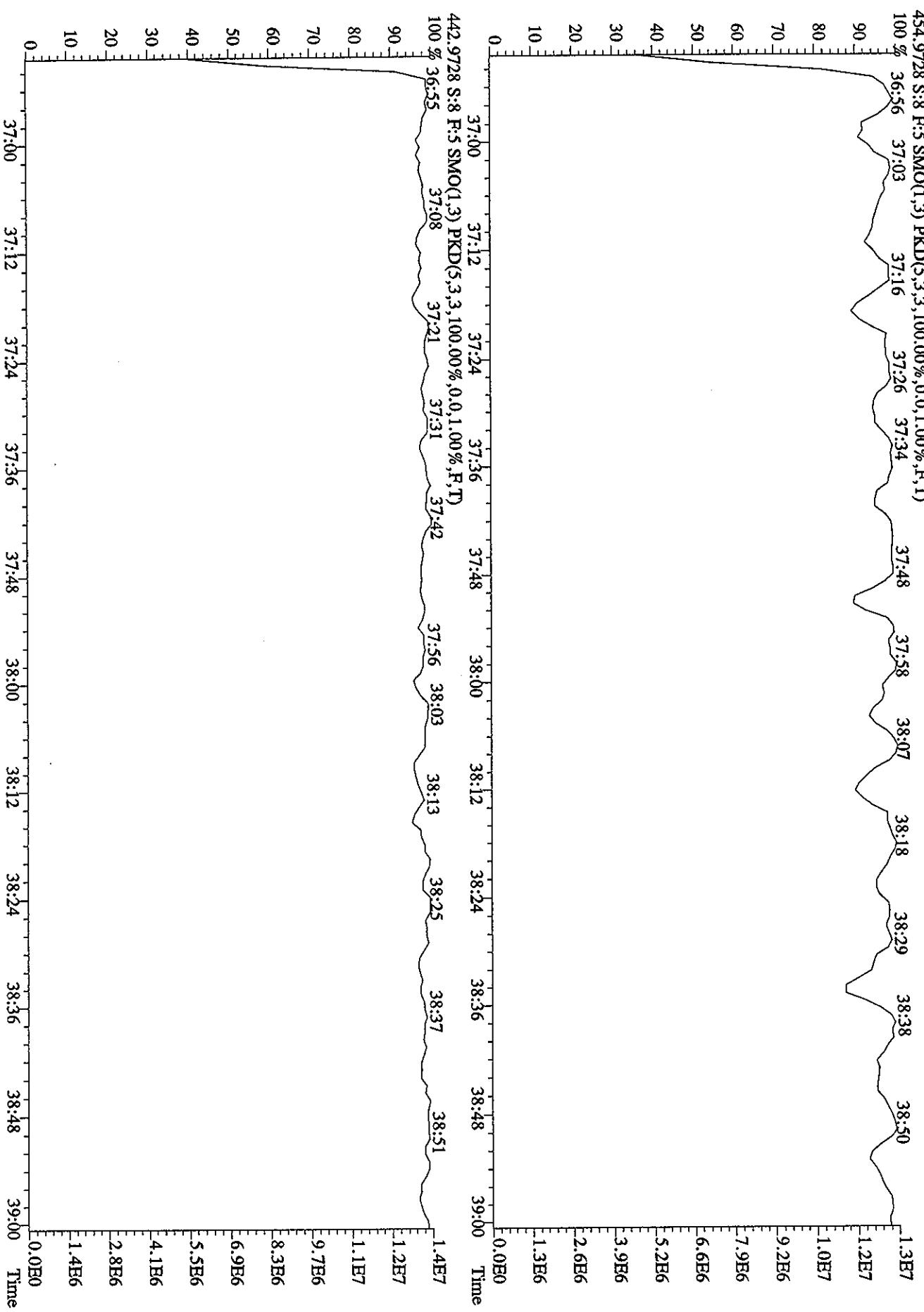
100 % 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 A1.86E7 4.1E6 3.3E6 2.5E6 1.6E6 8.2E5 0.0E0 Time

479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1844.0,1.00%,F,T)

100 % 100 % 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 5.1E3 4.1E3 3.1E3 2.0E3 1.0E3 0.0E0 Time

80 60 40 20 0 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 1.0E7 7.7E6 5.2E6 2.6E6 0.0E0 Time

File:28MRU68D5 #1-157 Acc:28-MAR-2006 18:04:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0328P :2nd Source 2565-65 Exp:DIOXIN
454.9728 S:8 P: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 1.3E7



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

IN

Please Circle Extraction Type if used:
Soxhlet / Soxhtherm / DI TCLP

Ext. 1

Ext. 2

Extraction time on: _____

Extraction time off: _____

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		1.0L		10/25/06				5			
LCS								5/25/06			
DCS											
1		J	1016.8	F		5/25/06	J				

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

1.0ml 2726-28

By:

Witness:

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:

Witness:

Date:

5/25/06

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

20ul/2565-22

By:

Witness:

Date:

5/25/06

Comments (Including Dilution at FV information):

QC Lot ID: G6E170121

Batch: 614362Y

Associated Samples:

Batch:

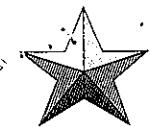
Method:

Extraction
Solvents Used:

Solvent Lot #:

Jm

*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: _____

DB-5
Data Analyst: JW
Date initiated: 5-30-06
Reviewer: JW
Date reviewed: 05/30/06

DB-225
Data Analyst: _____
Date initiated: _____
Reviewer: _____
Date reviewed: _____

QA/QC verification:

	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Daily standard package(s) present?	/	/	_____	_____
-Method Blank present?	/	/	_____	_____
-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??**	/A	/A	_____	_____

Sample Analysis:

	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Correct sample aliquot used?	/	/	_____	_____
-All raw data present?	/	/	_____	_____
-Standard target DL's used? If RL's are used specify:	/	/	_____	_____
-DL's below <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?	/A	/A	_____	_____
-Have dilution calculations been verified?	/	/A	_____	_____
-Has a manual calculation for the sequence(s) been verified?	/	/	_____	_____
-Are retention times (RT) correct?	/	/	_____	_____
-Manual integrations checked?	/A	/A	_____	_____

Comments: (Use other side if necessary)

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%*** (Cl4-Cl6), 25-130% (Cl7-8), 70-130% (surr.)	50%
CARB 428:	40-120%***	50%
CARB 429:	50-150%***	50%
PCBs:	25-150%***	50%
DBD/DBF	20-150%***	
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	

LEV LEV LEV LEV
T 2 1 2
Y Y Y Y Weights/Volumes
Y Y Y Y Spike & Surrogate Worksheet
— — MS/MSD Y Vial contains correct volume
— — — Y Labels, greenbars, worksheets
— — — Y computer batch: correct & all match
— — — — Anomalies to Extraction Method

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

Extractionist: 009893 David Romero

Concentrationist: 009893 David Romero

Reviewer/Date: ROMERO / 5/25/06

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

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/02/06	5/29/06	G6E120362-001	09 IN WATER	1016.8mL	NA	NA	NA	300.0	C-14	.0
COMMENTS:										

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/11/06	5/30/06	G6E160358-001	09 IN WATER	1046.8mL	NA	NA	NA	300.0	C-14	.0
COMMENTS:										

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/11/06	5/30/06	H5HL8-1-AA	09 IN WATER	1026.7mL	NA	NA	NA	300.0	C-14	.0
COMMENTS:										

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/11/06	5/30/06	G6E160358-003	09 IN WATER	1004.4mL	NA	NA	NA	300.0	C-14	.0
COMMENTS:										

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/14/06	5/30/06	G6E170121-001	09 IN WATER	941.7mL	NA	NA	NA	300.0	C-14	.0
COMMENTS:										

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/10/06	5/30/06	H5JER9-1-AC	09 IN WATER	897.7mL	NA	NA	NA	300.0	C-14	.0
COMMENTS:										

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/14/06	5/30/06	G6E230000-628	09 IN WATER	1000.0mL	NA	NA	DCM	300.0	C-14	.0
COMMENTS:										

EXTR <u>EXPR</u>	ANL <u>DUE</u>	LOT#, MSRUN#/ <u>WORK ORDER</u>	TEST <u>FIGS</u>	EXT MTH <u>MATRIX</u>	INIT/FIN <u>WT/VOL</u>	PHT'S <u>SOLVENTS</u>	INIT ADJ1 <u>ADJ2</u>	EXTRACTION <u>VOL</u>	VOL <u>VOL EXCHANGE</u>	SPIKE STANDARD/ <u>SURROGATE ID</u>
6/14/06	5/30/06	H5169-1-AAB	09 IN WATER	20.00uL	NA	NA	DCM	300.0	C-14	.0
COMMENTS:										

Appendix

Includes (as applicable):

retention time windows

MDL summaries

calculation explanation sheets

standard raw data

statistical summary

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HIGH RESOLUTION DIOXIN STANDARDS PREPARATION LOG

SPIKE SOLUTION	SPIKE AMOUNT	SPIKE CONCENTRATION	STANDARD LOT #	DATE RECEIVED	DATE OPENED/PREPARED	EXPIRATION DATE	FINAL CONCENTRATION	PREPARED BY
256S-20	4.0mls	5.0ng/ μ l	A03E35 WT	6-S 7-18-05	7-12-05	7-12-06	100pg/ μ l	BDH

Solvent Used: tetra decane Stock Expiration Date: 7-12-06
Solvent Lot #: A03E357-18-05
Final Volume: 200 mL

tetradecane
160-67-7 25 Solvent Lot # A03F25

Stock Expiration Date: 7-12-06

Date:

Approved by

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HIGH RESOLUTION DIOXIN STANDARDS PREPARATION LOG

2565-41

5% Calibration Curve

5% Calibration Curve
S1 → CS5

Standard Name	13C-S	13C	CS1	CS2	CS3	CS4	CS5	Date Prepared/Prepared By	ID	DA OPENED	Concentration (pg/uL)
13C-I.S Amt (uL)	250	250	2000	100	100				2565-37		Stock Dioxin/Furan IS 200 to 400
ID#	2565-37	2565-37	2565-37	2565-37	2565-37				1834-57		Stock Dioxin/Furan Surrogate 400
F.C. (pg/uL)	100	100	100	100	100				2565-40		37C-2378 TCDD Daily Soln. 0.8
	(100-200)	(100-200)	(100-200)	(100-200)	(100-200)				2565-38		37C-2378 TCDD Stock Soln. 400
13C-Surrogate Amt (uL)	125	125	1000	50	50				2565-39		Daily Dioxin/Furan PAR Soln 4 to 40
ID#	1834-57	1834-57	1834-57	1834-57	1834-57				1613PAR		1613PAR 400 to 4000
F.C. (pg/uL)	100	100	100	100	100				2565-62		Dioxin/Furan RS 100
37Cl-2378 TCDD Amt (uL)	312.5	1250	100	20	100						1613BPAR Stock Solution from CL - Lot # ER012004-02
ID#	2565-40	2565-40	2565-38	2565-38	2565-38						
F.C.	0.5	2	10	40	200						
Natives Amt (uL)	62.5	250	100	20	100						
ID#	2565-39	2565-39	1613PAR	1613PAR	1613PAR						
F.C. (pg/uL)	0.5	2	10	40	200						
	(0.5-5.0)	(2.0-20)	(10-100)	(40-400)	(200-2000)						
13C-R.S. Amt (uL)	500	500	4000	200	200						
ID#	2565-62	2565-62	2565-62	2565-62	2565-62						
F.C. (pg/uL)	100	100	100	100	100						
Standard Lot #	10520D0	10520D0	10520D0	10520D0	10520D0						
F.V. (uL)	500	500	4000	200	200						
Solvent Used:	Xylene										
Final Volume:	—										

13C-I.S. Amt (uL)	2565-41A	2565-41B	2565-41C	2565-41D	2565-41E	DA OPENED	Date Prepared/Prepared By	ID	Stand. Type	Concentration (pg/uL)
ID#	2565-37	2565-37	2565-37	2565-37	2565-37			2565-37	Stock Dioxin/Furan IS	200 to 400
F.C. (pg/uL)	100	100	100	100	100			1834-57	Stock Dioxin/Furan Surrogate	400
	(100-200)	(100-200)	(100-200)	(100-200)	(100-200)			2565-40	37C-2378 TCDD Daily Soln.	0.8
13C-Surrogate Amt (uL)	125	125	1000	50	50			2565-38	37C-2378 TCDD Stock Soln.	400
ID#	1834-57	1834-57	1834-57	1834-57	1834-57			2565-39	Daily Dioxin/Furan PAR Soln	4 to 40
F.C. (pg/uL)	100	100	100	100	100			1613PAR	1613PAR 400 to 4000	
								2565-62	Dioxin/Furan RS	100

Approved by _____
Date: _____
Solvent Lot #: 10520D0
Stock Expiration Date: 2/9/04
F.C.: _____
Final Volume: _____
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STL SACRAMENTO HIGH RESOLUTION DIOXIN STANDARDS PREPARATION LOG

Standard Name John Furman Date Prepared/Prepared By KR / 4-21-06
Furnace Daily Native Spike

CHART OF CONCENTRATION vs. TIME

SPIKE SOLUTION	SPIKE AMOUNT	SPIKE CONCENTRATION	STANDARD LOT #	DATE RECEIVED	DATE OPENED/PREPARED	EXPIRATION DATE	FINAL CONCENTRATION	PREPARED BY
Wells VAC Spike	1.2 mLs	400 - 4000 ppm	E2010-01-02	4-18-06	4-21-06	4-21-07	4.0 - 40.0 ppm	CJ

Solvent Used: 120 mLs 75% Solvent Lot # A03C35
Final Volume: 150 mLs 4-21-06 Stock Expiration Date: 4-24-07

Solvent Used: 120 mL 75% Solvent Lot # A0355
Final Volume: 150.0 mL 74% Stock Expiration Date:

Approved by _____
Date: _____

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HIGH RESOLUTION DIOXIN STANDARDS PREPARATION LOG STL SACRAMENTO

Standard Name Daily CRS 1613/8290

Date Prepared/Prepared By 4-28-06 / BPH

SPIKE SOLUTION	SPIKE AMOUNT	SPIKE CONCENTRATION	STANDARD LOT #	DATE RECEIVED	DATE OPENED/PREPARED	EXPIRATION DATE	FINAL CONCENTRATION	PREPARED BY
2565-38	1.0mL	400µL	A03E35	A/A	9-9-05	9-9-06	0.8 ppb	RH

4.

Solvent Used: Is-octane
Final Volume: 50 ml

Solvent Lot # Ao3E35 Stock Expiration Date: 2-27-07

Approved by _____
Date: _____

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**HIGH RESOLUTION DIOXIN STANDARDS PREPARATION LOG
STL SACRAMENTO**

Standard Name Daily TS 663/8290

Date Prepared/Prepared By 5-10-06 / BH

SPIKE SOLUTION	SPIKE AMOUNT	SPIKE CONCENTRATION	STANDARD LOT #	DATE RECEIVED	OPENED/PREPARED	EXPIRATION DATE	FINAL CONCENTRATION	PREPARED BY
256S-37	5.0mls	F.C. 400ppm	A03E55		9-8-05	9-8-06	2.19ug/ml	B04
241C-11	2.5mls	F.C. 400ppm	N34434		7-7-04	9-13-06	2.09ug/ml	B04

verified 9-13-05 B04
verified 3-2-06 B04

Solvent Used: 150·octane
Final Volume: 500mls

Solvent Lot # A03E35
Stock Expiration Date: 3-2-07

Approved by _____
Date: _____

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