PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Wednesday, February 21, 2001

Scanned by | Date / / | Doc ID # RCO

Mr. Erik Svenson
Delta
6701 Carmel Rd.
Charlotte, NC 28226

Dear Mr. Svenson:

Enclosed are the final results for the samples received by Paradigm Analytical Laboratories, Inc. on February 9, 2001 under your **Project Name "E096-07-5.0040"**. The samples were analyzed by Method **1613** following Paradigm's Standard Operating Procedures. Please see Page 2 of this report for the case narrative.

A full data package has been provided.

No. of Samples Received:	**3 Well Water**
Your Project Number:	**E096-07-5.0040**
PAL Project No.:	**G129-360**

We appreciate your business and look forward to working with you again. Please contact me if you have questions or need additional technical support.

Sincerely,

Christopher K. Cornwell
Assistant Director

Fac/Perm/Co ID# 94-01 | Date 9/20/12 | Doc ID# DIN

Case Narrative
Paradigm Project **G129-360**

Client Project No.:	E096-007-5.0040
Client Project Name:	E096-007-5.0040
No. of Samples Received:	3 Well Water
No. of Samples Analyzed:	3
Method:	1613
No. of LMBs:	1
No. of OPRs:	1

- Data meet QA/QC requirements.

W.M. Larkins
Technical Director

February 21, 2001

Table of Contents

Section 1: Cover Letter/Case Narrative

Contains a brief description of the project, the client and PAL project identifiers, the number and type of samples, the methodology used to process the samples, a summary table of sample results and quality control (QC) summary.

Section 2: Analytical Results

Contains results for client samples and lab quality control (QC) samples. Sample results include two pages of summarized analytical data and the associated raw data when applicable. The raw data includes a quantitation report from the instrumentation used that lists, ion areas, ratios, retention times, concentrations, and signal-to-noise ratios. It also has the selected ion current profiles (SICPs) for all homolog groups and any manual integrations.

Section 3: Project Information

Contains the sample login summary, sample receipt checklist, original chain-of-custody(s), and any other project tracking information.

Section 4: Sample Preparation Documentation

Contains information related to sample processing. This can include copies from extraction, cleanup, dry weight logbooks. These logbooks contain information such as spiking standard concentrations, amounts, initial weights and volumes, dates, and solution lot numbers.

Section 5: Initial Calibration

Contains a table summarizing calibration data such as relative response factors, concentrations, and percent relative standard deviation. This section also contains related daily instrument QC information.

Section 6: Continuing Calibration Data

Contains all daily instrument quality control information. This includes high mass resolution checks, a table summarizing the window defining peaks, SICPs for the first and last eluters for each homolog group, SICPs documenting GC performance, a summary quantitation report showing RRFs for the Ccal and Ical, and SICPs for all homolog groups and any manual integrations, injection prep and instrumentation runlogs.

Table 1. Concentration in ppt

Analyte	LMB WG5267-1	LF-01 14701	LF-01A 14702	LF-01A/02 14703
2,3,7,8-TCDD	(0.0047)	(0.0029)	(0.0043)	(0.0035)
1,2,3,7,8-PeCDD	(0.0028)	(0.0014)	(0.0016)	(0.0015)
1,2,3,4,7,8-HxCDD	(0.0034)	(0.0024)	(0.0018)	(0.0027)
1,2,3,6,7,8-HxCDD	(0.0035)	(0.0023)	(0.0018)	(0.0027)
1,2,3,7,8,9-HxCDD	(0.0032)	(0.0022)	(0.0016)	(0.0025)
1,2,3,4,6,7,8-HpCDD	(0.0060)	(0.0039)	0.0038	[0.0047]
OCDD	[0.0168]	[0.0104]	0.0125	0.0117
2,3,7,8-TCDF	(0.0026)	(0.0013)	(0.0018)	(0.0019)
1,2,3,7,8-PeCDF	(0.0018)	(0.0009)	(0.0012)	(0.0011)
2,3,4,7,8-PeCDF	(0.0016)	[0.00112]	(0.0011)	(0.0009)
1,2,3,4,7,8-HxCDF	(0.0017)	(0.0011)	0.0020	(0.0018)
1,2,3,6,7,8-HxCDF	(0.0017)	(0.0011)	0.0022	(0.0017)
2,3,4,6,7,8-HxCDF	(0.0020)	(0.0013)	(0.0016)	(0.0019)
1,2,3,7,8,9-HxCDF	(0.0020)	(0.0014)	(0.0016)	(0.0022)
1,2,3,4,6,7,8-HpCDF	(0.0025)	(0.0017)	0.0056	0.0042
1,2,3,4,7,8,9-HpCDF	(0.0037)	(0.0025)	0.0028	[0.00317]
OCDF	(0.0091)	(0.0045)	0.0098	[0.0098]
Total TCDDs	(0.0047)	(0.0029)	(0.0043)	(0.0035)
Total PeCDDs	(0.0028)	(0.0040)	(0.0039)	(0.0043)
Total HxCDDs	(0.0033)	(0.0042)	(0.0048)	(0.0026)
Total HpCDDs	(0.0060)	(0.0039)	0.0081	[0.0047]
Total TCDFs	(0.0026)	(0.0013)	(0.0018)	(0.0019)
Total PeCDFs	(0.0017)	[0.00112]	(0.0012)	(0.0010)
Total HxCDFs	(0.0019)	(0.0012)	0.0061	(0.0019)
Total HpCDFs	(0.0031)	(0.0020)	0.0083	0.0042
Total PCDD/Fs	0.0000	0.0000	0.0448	0.0159
TEQ (ND=0)	0.0000	0.0000	0.0006	0.0001
TEQ (ND=½)	0.0046	0.0028	0.0039	0.0033
TEQ w/EMPC (ND=0)	0.0000	0.0000	0.0000	0.0000
TEQ w/EMPC (ND=½)	0.0000	0.0000	0.0000	0.0000

Note:
( ) = ND using DL value.
[ ] = EMPC value.

Table 2: Toxic Equivalency Factors

Analyte	World Health Organization	International-89	MADEP
2,3,7,8-TCDD	1	1	1
1,2,3,7,8-PeCDD	1	0.5	0.5
1,2,3,4,7,8-HxCDD	0.1	0.1	0.1
1,2,3,6,7,8-HxCDD	0.1	0.1	0.1
1,2,3,7,8,9-HxCDD	0.1	0.1	0.1
1,2,3,4,6,7,8-HpCDD	0.01	0.01	0.1
OCDD	0.0001	0.001	0.001
2,3,7,8-TCDF	0.1	0.1	0.1
1,2,3,7,8-PeCDF	0.05	0.05	0.5
2,3,4,7,8-PeCDF	0.5	0.5	0.5
1,2,3,4,7,8-HxCDF	0.1	0.1	0.1
1,2,3,6,7,8-HxCDF	0.1	0.1	0.1
2,3,4,6,7,8-HxCDF	0.1	0.1	0.1
1,2,3,7,8,9-HxCDF	0.1	0.1	0.1
1,2,3,4,6,7,8-HpCDF	0.01	0.01	0.1
1,2,3,4,7,8,9-HpCDF	0.01	0.01	0.1
OCDF	0.0001	0.001	0.001

Table 3. List of Qualifiers

A	Amount detected is less than the Calibration Limit
B	Analyte was detected in the LMB at a level above the RL or EDL.
E	Amount detected is over the Method Calibration Limit
DPE	Denotes the presence of possible polychlorinated diphenylethers
EDL	"Estimated Detection Limit"
EMPC	"Estimated Maximum Possible Concentration"
ppt	Parts-per-trillion (pg/g; ng/L)
Q	Indicates the presence of quantitative interferences. They generally result in an underestimation of the affected total homologue groups.
V	Recovery is lower than 40%. The data has been validated based on a favorable signal-to-noise and detection limit.
#	Outside recovery limits
*	See cover letter

Section 2

Analytical Results

Method 1613

LF-01

Delta Environmental Consultants

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	EMPC (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8--TCDD	ND	0.0029				
1,2,3,7,8-PeCDD	ND	0.0014				
1,2,3,4,7,8-HxCDD	ND	0.0024				
1,2,3,6,7,8-HxCDD	ND	0.0023				
1,2,3,7,8,9-HxCDD	ND	0.0022				
1,2,3,4,6,7,8-HpCDD	ND	0.0039				
OCDD	EMPC	0.0060	0.0104	43:11	1.00	
2,3,7,8--TCDF	ND	0.0013				
1,2,3,7,8-PeCDF	ND	0.0009				
2,3,4,7,8-PeCDF	EMPC	0.0009	0.0011	33:26	1.14	
1,2,3,4,7,8-HxCDF	ND	0.0011				
1,2,3,6,7,8-HxCDF	ND	0.0011				
2,3,4,6,7,8-HxCDF	ND	0.0013				
1,2,3,7,8,9-HxCDF	ND	0.0014				
1,2,3,4,6,7,8-HpCDF	ND	0.0017				
1,2,3,4,7,8,9-HpCDF	ND	0.0025				
OCDF	ND	0.0045				
Total TCDDs	ND	0.0029				
Total PeCDDs	ND	0.0040				
Total HxCDDs	ND	0.0042				
Total HpCDDs	ND	0.0039				
Total TCDFs	ND	0.0013				
Total PeCDFs	ND	0.0009	0.0011			
Total HxCDFs	ND	0.0012				
Total HpCDFs	ND	0.0020				
ITEF TEQ (ND=0)	0.0000		0.0006			
ITEF TEQ (ND=½)	0.0028		0.0031			

Client Information

Project Name:	E096-007-5.0040
Sample ID:	LF-01

Laboratory Information

Project ID:	G129-360
Sample ID:	14701
Collection Date/Time:	07-Feb-01 15:00
Receipt Date:	09-Feb-01
Extraction Date:	13-Feb-01
Analysis Date:	15-Feb-01

Sample Information

Matrix:	Aqueous
Weight / Volume:	511 mL
Solids / Lipids:	NA
Original pH :	5
Batch ID:	WG5267
Filename:	a14feb01a_2-1
Retchk:	a14feb01a-15
Begin ConCal:	a14feb01a-15
Initial Cal:	m1613-052699m

Method 1613

LF-01

Delta Environmental Consultants

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	1	0.69	68.9	30:28	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.71	70.5	33:38	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.75	74.9	36:04	1.24	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.94	93.8	36:10	1.21	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.69	68.8	39:15	1.02	
$^{13}C_{12}$-OCDD	2	1.20	60.0	43:12	0.86	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.80	80.1	29:31	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.79	78.8	32:51	1.54	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.82	82.3	33:26	1.52	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.73	72.5	35:24	0.49	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.89	88.8	35:30	0.5	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.80	79.8	35:58	0.51	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.92	92.4	36:41	0.52	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.86	85.8	38:05	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.86	86.0	39:53	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.30	75.5	30:29		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:45	0.81	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.51	

Client Information

Project Name: E096-007-5.0040
Sample ID: LF-01

Laboratory Information

Project ID: G129-360
Sample ID: 14701

Collection Date/Time: 07-Feb-01 15:00
Receipt Date: 09-Feb-01
Extraction Date: 13-Feb-01
Analysis Date: 15-Feb-01

Analyzed by: HMP
Date: 21Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 511 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5267

Filename: a14feb01a_2-1
Retchk: a14feb01a-15
Begin ConCal: a14feb01a-15

Initial Cal: m1613-052699m

Reviewed by: [signature]
Date: 2/21/01

Pag

Filename ; a14feb01a_2
Sample ; 1
Acquired ; 15-FEB-01 04:36:11
Processed ; 19-FEB-01 14:10:26
Sample ID ; 14701 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-021401a_2
Comments ;

Typ	Name	Resp	Ion 1	Ion 2	RA;?;	RT	Conc	DL	S/N1;?;	S/N2;? ;	mod?
Unk	2,3,7,8-TCDD	*	*	*	*;n;NotFnd;		*	0.1490;	*;n;	*;n ;	no
Unk	1,2,3,7,8-PeCDD	3.53e+04	1.61e+04	1.92e+04	0.84;n;	33:39	0.051;	0.0714;	2;n;	3;n ;	no
Unk	1,2,3,4,7,8-HxCDD	*	*	*	*;n;NotFnd;		*	0.1234;	*;n;	*;n ;	no
Unk	1,2,3,6,7,8-HxCDD	*	*	*	*;n;NotFnd;		*	0.1193;	*;n;	*;n ;	no
Unk	1,2,3,7,8,9-HxCDD	*	*	*	*;n;NotFnd;		*	0.1109;	*;n;	*;n ;	no
Unk	1,2,3,4,6,7,8-HpCDD	*	*	*	*;n;NotFnd;		*	0.2007;	*;n;	*;n ;	no
Unk	OCDD	2.19e+05	1.09e+05	1.09e+05	1.00;y;	43:11	0.532;	0.3044;	7;y;	8;y ;	yes
Unk	2,3,7,8-TCDF	*	*	*	*;n;NotFnd;		*	0.0642;	*;n;	*;n ;	no
Unk	1,2,3,7,8-PeCDF	6.39e+04	3.45e+04	2.94e+04	1.17;n;	32:52	0.053;	0.0468;	4;y;	3;y ;	yes
Unk	2,3,4,7,8-PeCDF	7.35e+04	3.91e+04	3.43e+04	1.14;n;	33:26	0.057;	0.0447;	6;y;	3;y ;	yes
Unk	1,2,3,4,7,8-HxCDF	6.42e+04	3.61e+04	2.81e+04	1.29;y;	35:25	0.064;	0.0583;	3;y;	3;y ;	yes
Unk	1,2,3,6,7,8-HxCDF	6.55e+04	3.66e+04	2.89e+04	1.26;y;	35:30	0.051;	0.0538;	3;n;	4;y ;	yes
Unk	2,3,4,6,7,8-HxCDF	6.52e+04	3.42e+04	3.10e+04	1.10;y;	35:58	0.063;	0.0668;	2;n;	3;n ;	yes
Unk	1,2,3,7,8,9-HxCDF	1.30e+05	7.55e+04	5.48e+04	1.38;y;	36:42	0.119;	0.0738;	4;y;	4;y ;	yes
Unk	1,2,3,4,6,7,8-HpCDF	*	*	*	*;n;NotFnd;		*	0.0849;	*;n;	*;n ;	no
Unk	1,2,3,4,7,8,9-HpCDF	*	*	*	*;n;NotFnd;		*	0.1261;	*;n;	*;n ;	no
Unk	OCDF	*	*	*	*;n;NotFnd;		*	0.2291;	*;n;	*;n ;	no
ES/RT	13C-2,3,7,8-TCDD	7.72e+07	3.44e+07	4.27e+07	0.81;y;	30:28	34.463;	0.0636;	1136;y;	2319;y ;	no
ES	13C-1,2,3,7,8-PeCDD	6.65e+07	4.07e+07	2.58e+07	1.57;y;	33:38	35.241;	0.0959;	1949;y;	2618;y ;	no
ES	13C-1,2,3,4,7,8-HxCDD	5.74e+07	3.18e+07	2.56e+07	1.24;y;	36:04	37.459;	0.0616;	2086;y;	2353;y ;	no
ES	13C-1,2,3,6,7,8-HxCDD	8.00e+07	4.39e+07	3.61e+07	1.21;y;	36:10	46.895;	0.0553;	2461;y;	2935;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDD	5.63e+07	2.84e+07	2.80e+07	1.02;y;	39:15	34.417;	0.0410;	1836;y;	2412;y ;	no
ES	13C-OCDD	7.64e+07	3.53e+07	4.11e+07	0.86;y;	43:12	59.948;	0.0541;	1842;y;	2182;y ;	no
ES/RT	13C-2,3,7,8-TCDF	1.27e+08	5.71e+07	7.02e+07	0.81;y;	29:31	40.069;	0.0718;	3993;y;	1150;y ;	no
ES	13C-1,2,3,7,8-PeCDF	1.15e+08	6.95e+07	4.51e+07	1.54;y;	32:51	39.411;	0.0307;	8957;y;	6471;y ;	no
ES	13C-2,3,4,7,8-PeCDF	1.13e+08	6.84e+07	4.50e+07	1.52;y;	33:26	41.162;	0.0324;	8626;y;	6333;y ;	no
ES	13C-1,2,3,4,7,8-HxCDF	8.07e+07	2.66e+07	5.41e+07	0.49;y;	35:24	36.227;	0.0581;	1493;y;	3510;y ;	no
ES	13C-1,2,3,6,7,8-HxCDF	1.07e+08	3.57e+07	7.09e+07	0.50;y;	35:30	44.384;	0.0539;	1696;y;	3874;y ;	no
ES	13C-2,3,4,6,7,8-HxCDF	8.97e+07	3.03e+07	5.94e+07	0.51;y;	35:58	39.893;	0.0576;	1435;y;	3240;y ;	no
ES	13C-1,2,3,7,8,9-HxCDF	8.57e+07	2.93e+07	5.63e+07	0.52;y;	36:41	46.222;	0.0699;	1168;y;	2692;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDF	7.62e+07	2.35e+07	5.27e+07	0.45;y;	38:05	42.890;	0.1057;	977;y;	1247;y ;	no
ES	13C-1,2,3,4,7,8,9-HpCDF	6.30e+07	1.96e+07	4.33e+07	0.45;y;	39:53	42.983;	0.1282;	683;y;	821;y ;	no
JS	13C-1,2,3,4-TCDD	2.11e+08	9.44e+07	1.17e+08	0.81;y;	29:45	104.349;	-;	3216;y;	6460;y ;	no
JS	13C-1,2,3,7,8,9-HxCDD	1.79e+08	9.84e+07	8.04e+07	1.23;y;	36:24	108.515;	-;	5330;y;	6181;y ;	no
CS	37Cl-2,3,7,8-TCDD	3.74e+07	3.74e+07	-;	-;-;	30:29	15.098;	0.0330;	1340;y	;	no

	Conc	Empc	Flags
TCDF	0	0	FALSE
TCDD	0	0	FALSE
PeCDF	0	0	FALSE
PeCDD	0	0	FALSE
HxCDF	0.119	0.119	FALSE
HxCDD	0	0	FALSE
HpCDF	0	0	FALSE
HpCDD	0	0	FALSE

Filename:	a14feb01a_2	Name of Homolog Group:	Total Tetra-Furans
Sample:	1	Number of Peaks Found:	2
Acquired:	15-FEB-01 04:36:11	RRF Used For Totals:	1.1266
Processed:	19-FEB-01 14:10:26	Detection Limit:	0.0642
Sample ID:	14701 x1/1		
Cal Table:	m1613-052699m	Begin Window:	25:05:00
Results Table:	m1613-021401a_2	End Window:	31:41:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	9.82E+03	4330	5490	0.79	y	31:43	0.007	RT	0.9	n	0.6	n	n
	2	1.29E+04	2810	10100	0.28	n	31:47	0.009	RT	0.7	n	1.2	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	1	Number of Peaks Found:	1
Acquired:	15-FEB-01 04:36:11	RRF Used For Totals:	1.181
Processed:	19-FEB-01 14:10:26	Detection Limit:	0.149
Sample ID:	14701 x1/1		
Cal Table:	m1613-052699m	Begin Window:	26:48:00
Results Table:	m1613-021401a_2	End Window:	31:36:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.02E+05	76500	25200	3.04	n	29:32	0.112	S2N	3.7	y	2	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	1	Number of Peaks Found:	2
Acquired:	15-FEB-01 04:36:11	RRF Used For Totals:	1.096
Processed:	19-FEB-01 14:10:26	Detection Limit:	0.0425
Sample ID:	14701 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-021401a_2	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.80E+05	74700	205000	0.36	n	29:45	0.224	RT	3.7	y	14.1	y	n
	2	9.28E+04	20000	72800	0.28	n	30:28	0.074	RT	1.3	n	5.5	y	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn2
Sample:	1	Number of Peaks Found:	3
Acquired:	15-FEB-01 04:36:11	RRF Used For Totals:	1.096
Processed:	19-FEB-01 14:10:26	Detection Limit:	0.0457
Sample ID:	14701 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:08:00
Results Table:	m1613-021401a_2	End Window:	34:14:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,7,8-PeCDF	1	6.39E+04	34500	29400	1.17	n	32:52	0.053	S2N	4	y	3.1	y	y
2,3,4,7,8-PeCDF	2	7.35E+04	39100	34300	1.14	n	33:26	0.057	S2N	5.9	y	3.4	y	y
	3	4.65E+04	33400	13100	2.55	n	34:03	0.037	S2N	4.8	y	1.9	n	y

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Dioxins
Sample:	1	Number of Peaks Found:	5
Acquired:	15-FEB-01 04:36:11	RRF Used For Totals:	1.0298
Processed:	19-FEB-01 14:10:26	Detection Limit:	0.203
Sample ID:	14701 x1/1		
Cal Table:	m1613-052699m	Begin Window:	32:15:00
Results Table:	m1613-021401a_2	End Window:	33:59:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.39E+05	98600	40100	2.46	n	32:51	0	CF	11.6	y	6	y	n
	2	1.38E+05	104000	34000	3.05	n	33:26	0	CF	11.6	y	5.6	y	n
	3	5.35E+03	1220	4130	0.3	n	33:34	0.008	S2N	0.3	n	1.3	n	n
1,2,3,7,8-PeCDD	4	3.53E+04	16100	19200	0.84	n	33:39	0.051	S2N	2.4	n	2.8	n	n
	5	1.03E+04	2810	7530	0.37	n	33:43	0.015	S2N	0.6	n	1.4	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Hexa-Furans
Sample:	1	Number of Peaks Found:	18
Acquired:	15-FEB-01 04:36:11	RRF Used For Totals:	1.2111
Processed:	19-FEB-01 14:10:26	Detection Limit:	0.0631
Sample ID:	14701 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:21:00
Results Table:	m1613-021401a_2	End Window:	36:53:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,7,8-HxCDF	1	4.13E+04	25200	16100	1.57	n	34:31	0.038	S2N	2.6	n	2.1	n	y
1,2,3,4,7,8-HxCDF	2	6.42E+04	36100	28100	1.29	y	35:25	0.064	S2N	3.1	y	3.5	y	y
1,2,3,6,7,8-HxCDF	3	6.55E+04	36600	28900	1.26	y	35:30	0.051	S2N	3	n	3.5	y	y
	4	3.83E+03	1900	1940	0.98	n	35:38	0.003	S2N	0.3	n	0.4	n	n
	5	7.14E+03	3540	3600	0.98	n	35:40	0.007	S2N	0.6	n	0.5	n	n
	6	1.10E+04	7450	3550	2.1	n	35:44	0.01	S2N	0.8	n	0.7	n	n

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
							35:47	0.005	S2N	0.6	n	0.6	n	n
	8	6.52E+04	34200	31000	1.1	y	35:58	0.063	S2N	2.4	n	2.8	n	y
	9	2.66E+04	17200	9460	1.82	n	36:05	0.024	S2N	1.7	n	1.2	n	n
1,2,3,7,8,9-HxCDF	10	3.89E+04	28200	10700	2.62	n	36:24	0.035	S2N	3.1	y	1.4	n	n
	11	1.30E+05	75500	54800	1.38	y	36:42	0.119	OK SM	4.1	y	4.6	y	y
	12	9.42E+03	3960	5460	0.72	n	36:51	0.009	S2N	1.1	n	0.7	n	n
	13	4.84E+03	2170	2670	0.81	n	37:00	0.004	RT	0.3	n	0.6	n	n
	14	7.18E+03	2880	4300	0.67	n	37:04	0.007	RT	0.4	n	0.6	n	n
	15	6.34E+03	2090	4250	0.49	n	37:06	0.006	RT	0.5	n	0.7	n	n
	16	1.06E+04	5210	5360	0.97	n	37:10	0.01	RT	1	n	0.7	n	n
	17	5.28E+03	2140	3140	0.68	n	37:14	0.005	RT	0.6	n	0.6	n	n
	18	2.98E+03	1000	1980	0.51	n	37:20	0.003	RT	0.2	n	0.4	n	n

Filename: a14feb01a_2
Sample:
Acquired: 15-FEB-01 04:36:11
Processed: 19-FEB-01 14:10:26
Sample ID: 14701 x1/1
Cal Table: m1613-052699m
Results Table: m1613-021401a_2

1 Name of Homolog Group: Total Hexa-Dioxins
Number of Peaks Found: 10
RRF Used For Totals: 1.0787
Detection Limit: 0.214

Begin Window: 34:49:00
End Window: 36:29:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.66E+04	11900	14700	0.81	n	34:55	0.036	S2N	1.2	n	1.9	n	n
	2	1.34E+05	92400	41500	2.23	n	35:24	0	S2N	6.3	y	3.6	y	n
	3	1.59E+05	115000	43900	2.62	n	35:30	0	CF	7.2	y	4	y	n
	4	9.05E+03	3710	5340	0.7	n	35:34	0.012	S2N	0.6	n	1.1	n	n
	5	7.02E+03	2650	4380	0.6	n	35:36	0.009	S2N	0.3	n	0.8	n	n
	6	1.99E+04	9060	10900	0.83	n	35:40	0.027	S2N	0.9	n	1.6	n	n
	7	1.59E+04	9200	6710	1.37	y	35:43	0.021	S2N	0.8	n	1.7	n	n
	8	1.65E+04	9620	6900	1.39	y	35:45	0.022	S2N	0.7	n	1.3	n	n
	9	1.31E+05	85500	45500	1.88	n	35:57	0	S2N	5.6	y	3.6	y	n
	10	1.11E+05	76600	34000	2.25	n	36:41	0	RT	5	y	2.8	n	n

Filename: a14feb01a_2
Sample:
Acquired: 15-FEB-01 04:36:11
Processed: 19-FEB-01 14:10:26
Sample ID: 14701 x1/1
Cal Table: m1613-052699m
Results Table: m1613-021401a_2

1 Name of Homolog Group: Total Hepta-Furans
Number of Peaks Found: 0
RRF Used For Totals: 1.4605
Detection Limit: 0.1035

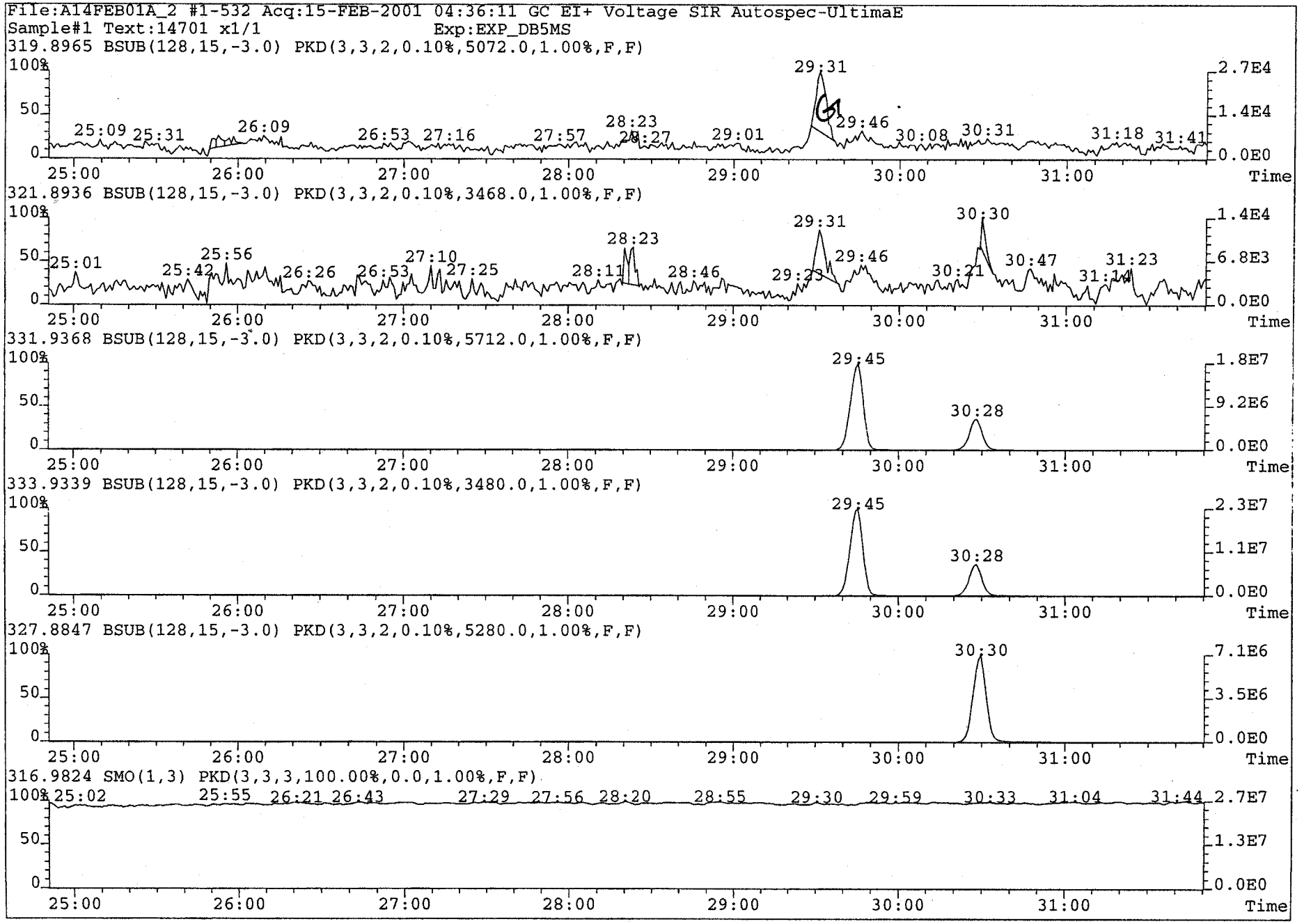
Begin Window:
End Window:

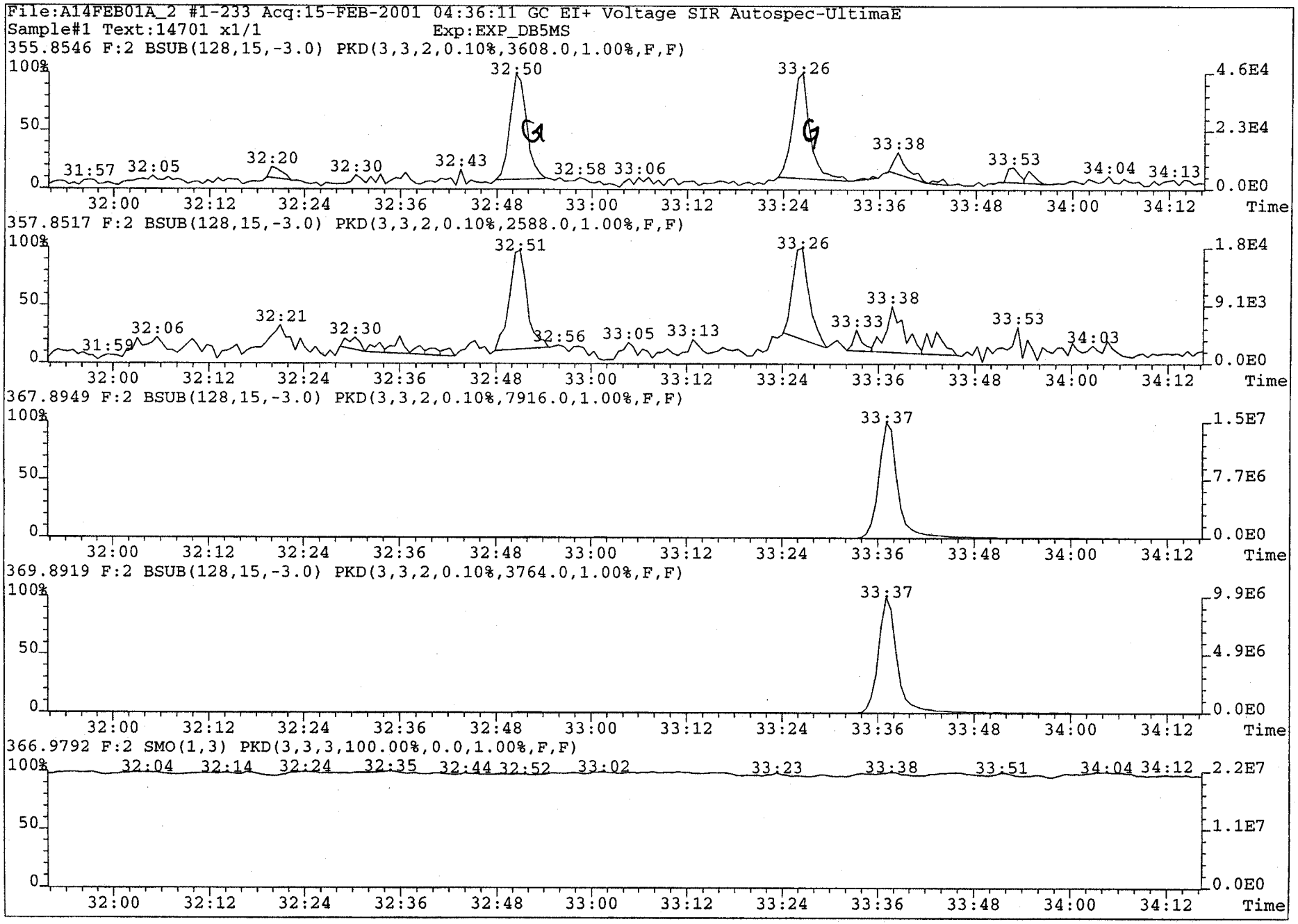
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

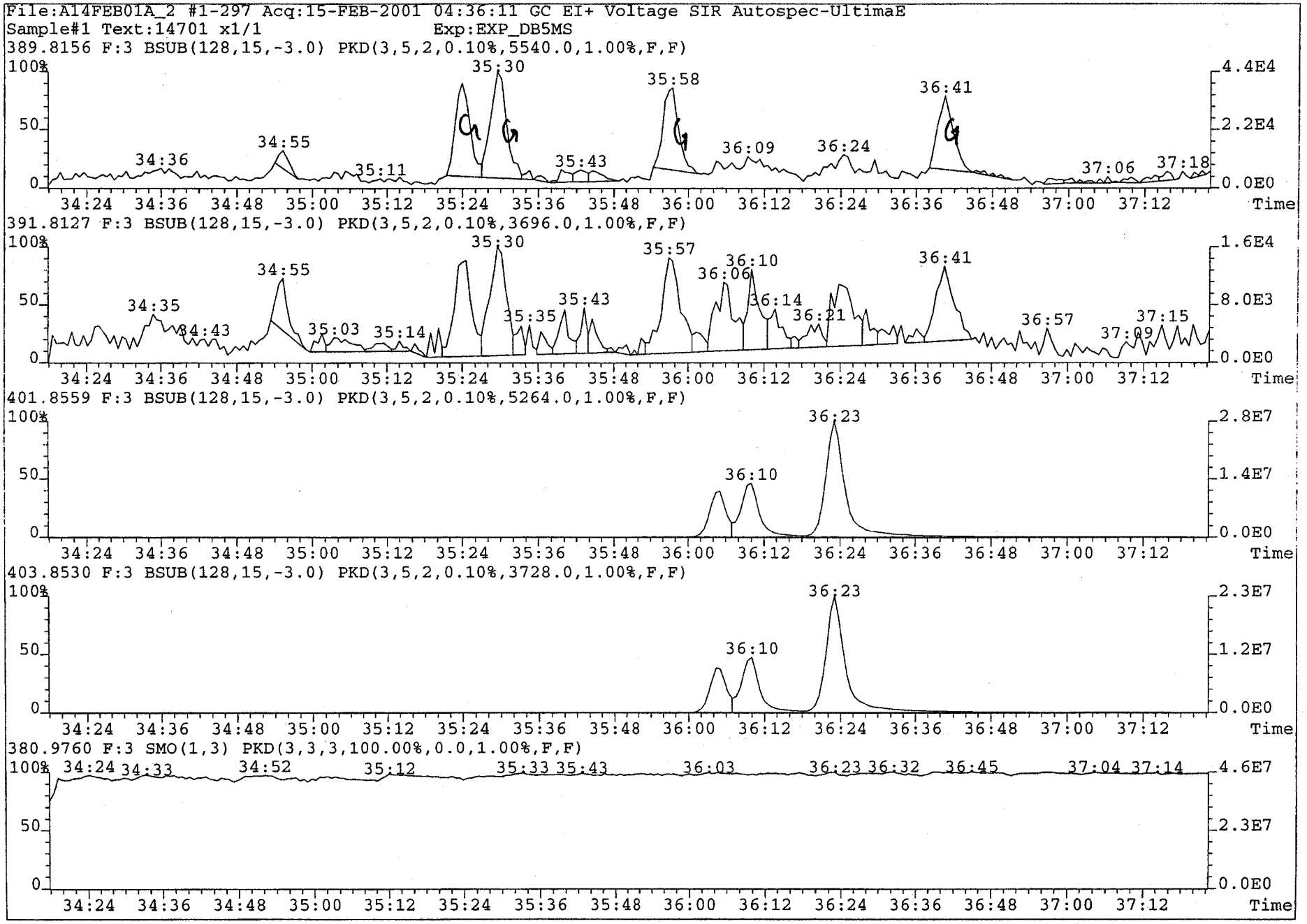
Filename:	a14feb01a_2
Sample:	1
Acquired:	15-FEB-01 04:36:11
Processed:	19-FEB-01 14:10:26
Sample ID:	14701 x1/1
Cal Table:	m1613-052699m
Results Table:	m1613-021401a_2

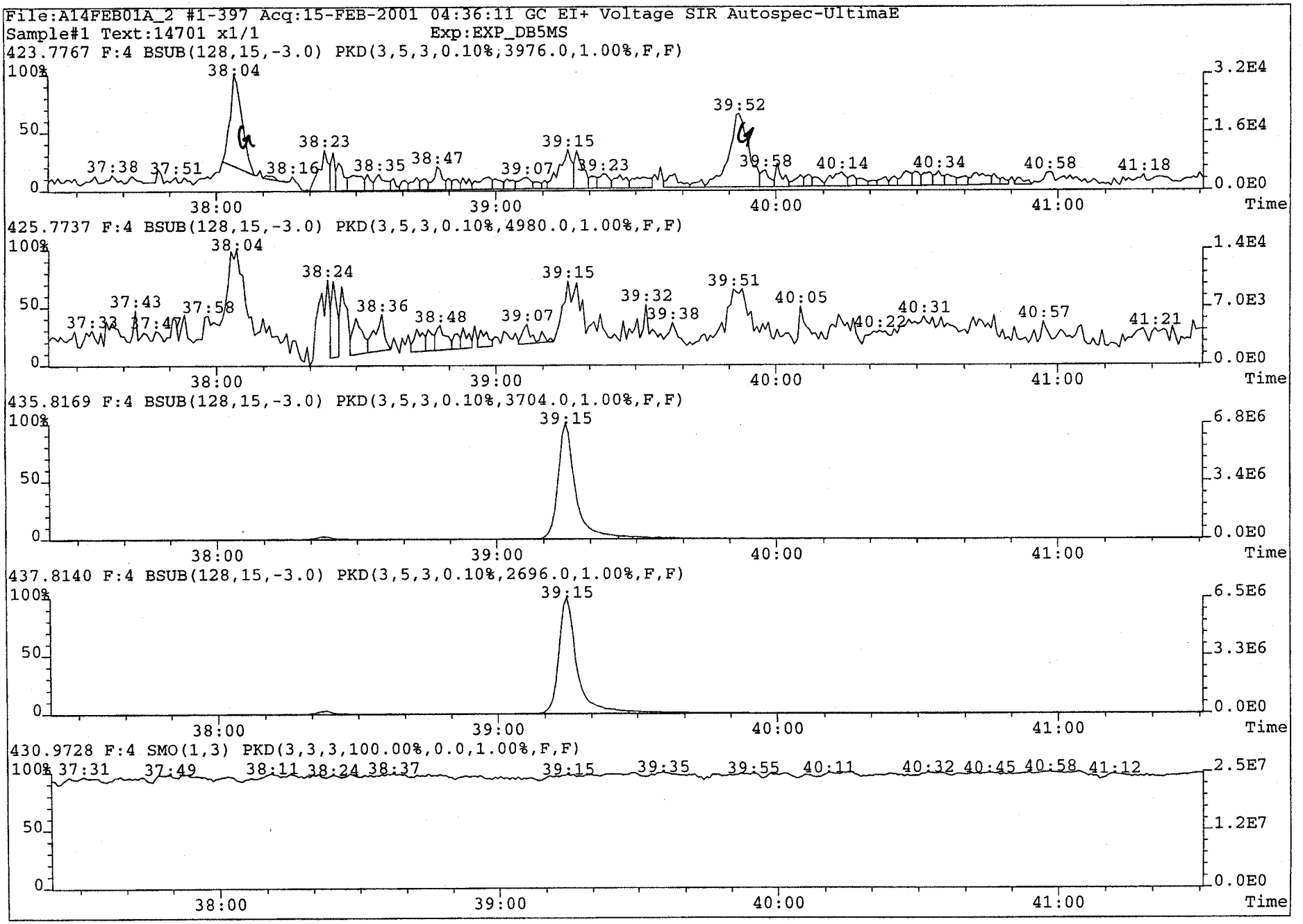
Name of Homolog Group:	Total Hepta-Dioxins
Number of Peaks Found:	12
RRF Used For Totals:	1.0066
Detection Limit:	0.2007
Begin Window:	38:14:00
End Window:	38:34:00

Name #	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1	2.64E+04	13400	13000	1.04	y	38:27	0.046	S2N	1.9	n	1.9	n	n
2	2.41E+04	13700	10400	1.32	n	38:30	0.042	S2N	1.1	n	0.9	n	n
3	2.11E+04	10800	10300	1.05	y	38:35	0.037	RT	1.1	n	0.9	n	n
4	1.18E+04	6020	5800	1.04	y	38:42	0.021	RT	0.9	n	0.5	n	n
5	1.06E+04	4810	5800	0.83	n	38:44	0.019	RT	0.8	n	0.5	n	n
6	2.05E+04	13400	7150	1.87	n	38:47	0.036	RT	1.6	n	0.6	n	n
7	1.04E+04	3300	7150	0.46	n	38:50	0.018	RT	0.8	n	0.6	n	n
8	7.19E+03	4420	2770	1.6	n	38:51	0.013	RT	0.7	n	0.4	n	n
9	9.53E+03	5650	3880	1.46	n	38:54	0.017	RT	0.8	n	0.5	n	n
10	1.48E+04	10700	4060	2.64	n	38:57	0.026	RT	0.8	n	0.4	n	n
11	1.52E+04	9000	6180	1.46	n	39:06	0.027	RT	0.8	n	0.5	n	n
12	9.31E+03	3130	6180	0.51	n	39:09	0.016	RT	0.5	n	0.5	n	n

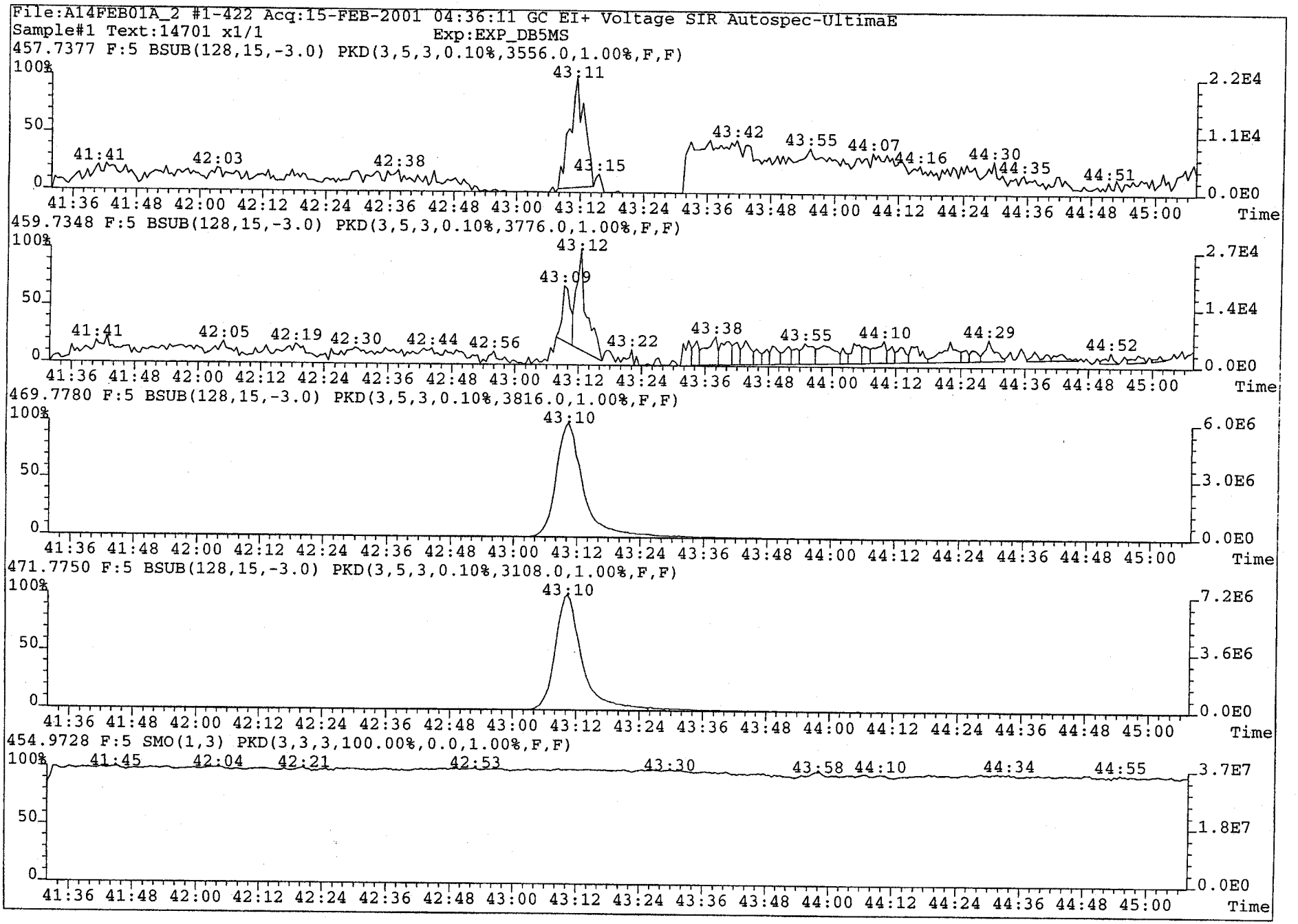

File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
319.8965 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5072.0,1.00%,F,F)
29:31
321.8936 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3468.0,1.00%,F,F)
30:30
331.9368 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5712.0,1.00%,F,F)
29:45
30:28
333.9339 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3480.0,1.00%,F,F)
29:45
30:28
327.8847 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5280.0,1.00%,F,F)
30:30
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

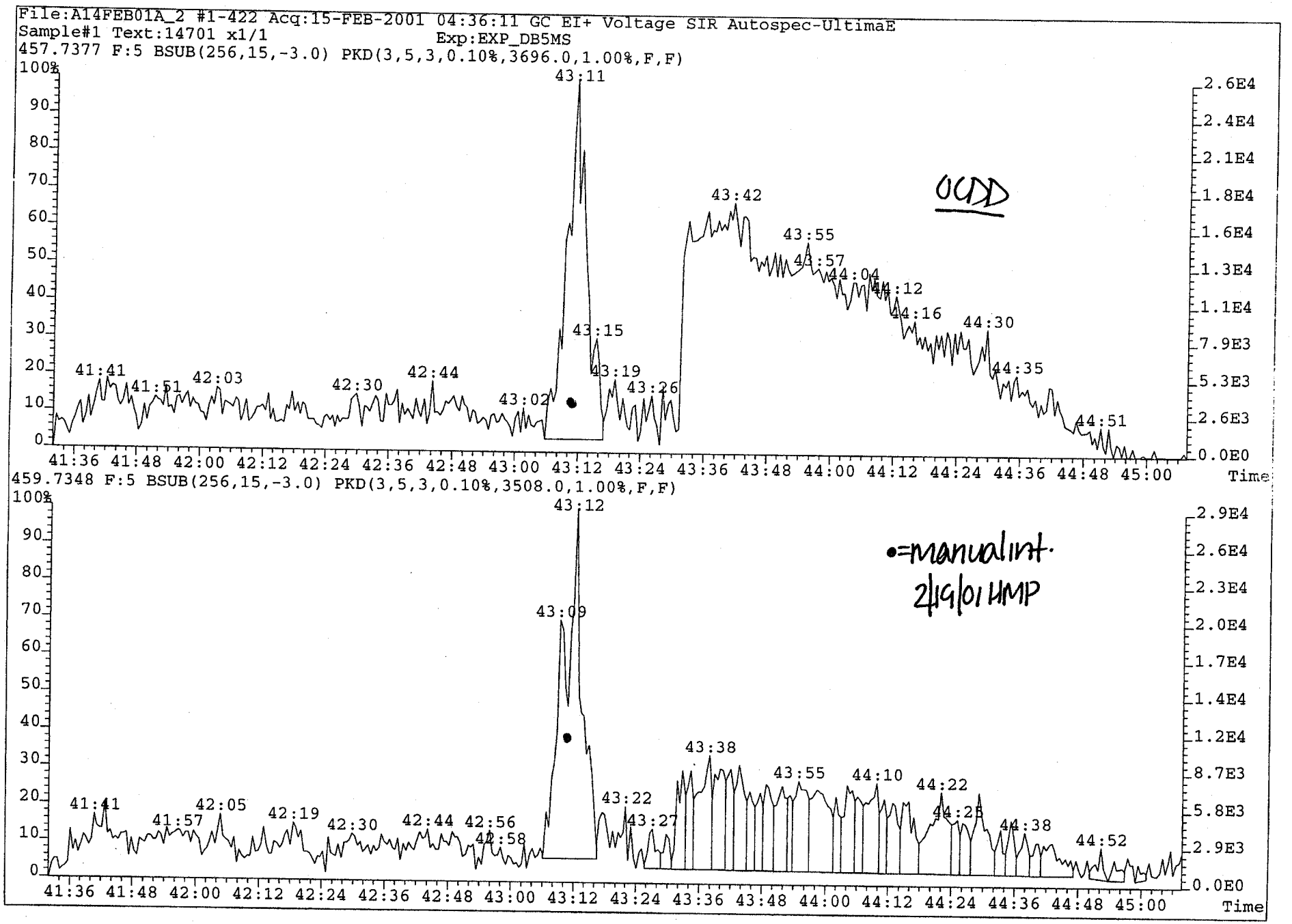

File:A14FEB01A_2 #1-233 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
355.8546 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3608.0,1.00%,F,F)
32:50
33:26
357.8517 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2588.0,1.00%,F,F)
32:51
33:26
367.8949 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7916.0,1.00%,F,F)
33:37
369.8919 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3764.0,1.00%,F,F)
33:37
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

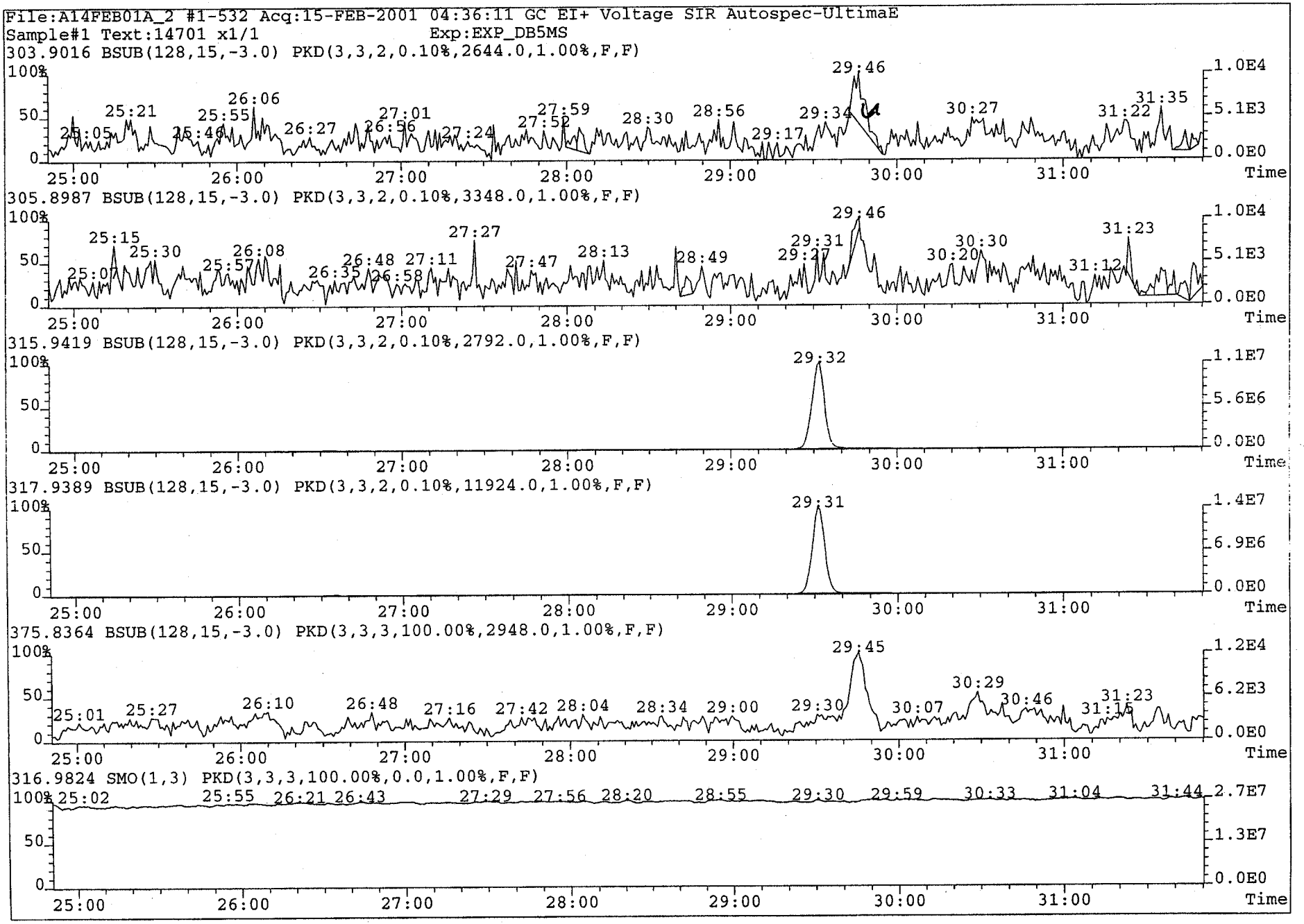

File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
389.8156 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5540.0,1.00%,F,F)
391.8127 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3696.0,1.00%,F,F)
401.8559 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5264.0,1.00%,F,F)
403.8530 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3728.0,1.00%,F,F)
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

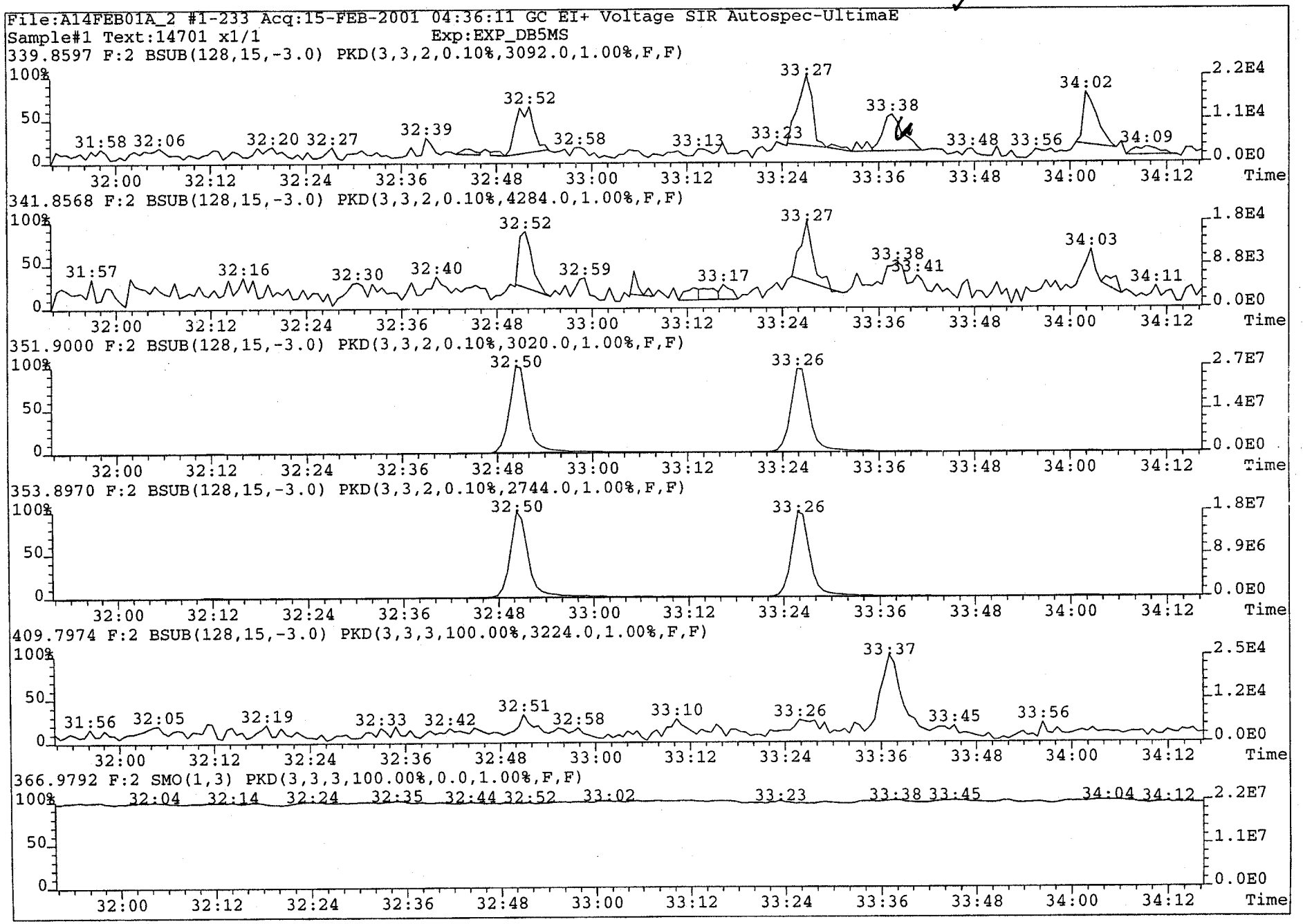

File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
423.7767 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3976.0,1.00%,F,F)
425.7737 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4980.0,1.00%,F,F)
435.8169 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3704.0,1.00%,F,F)
437.8140 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2696.0,1.00%,F,F)
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

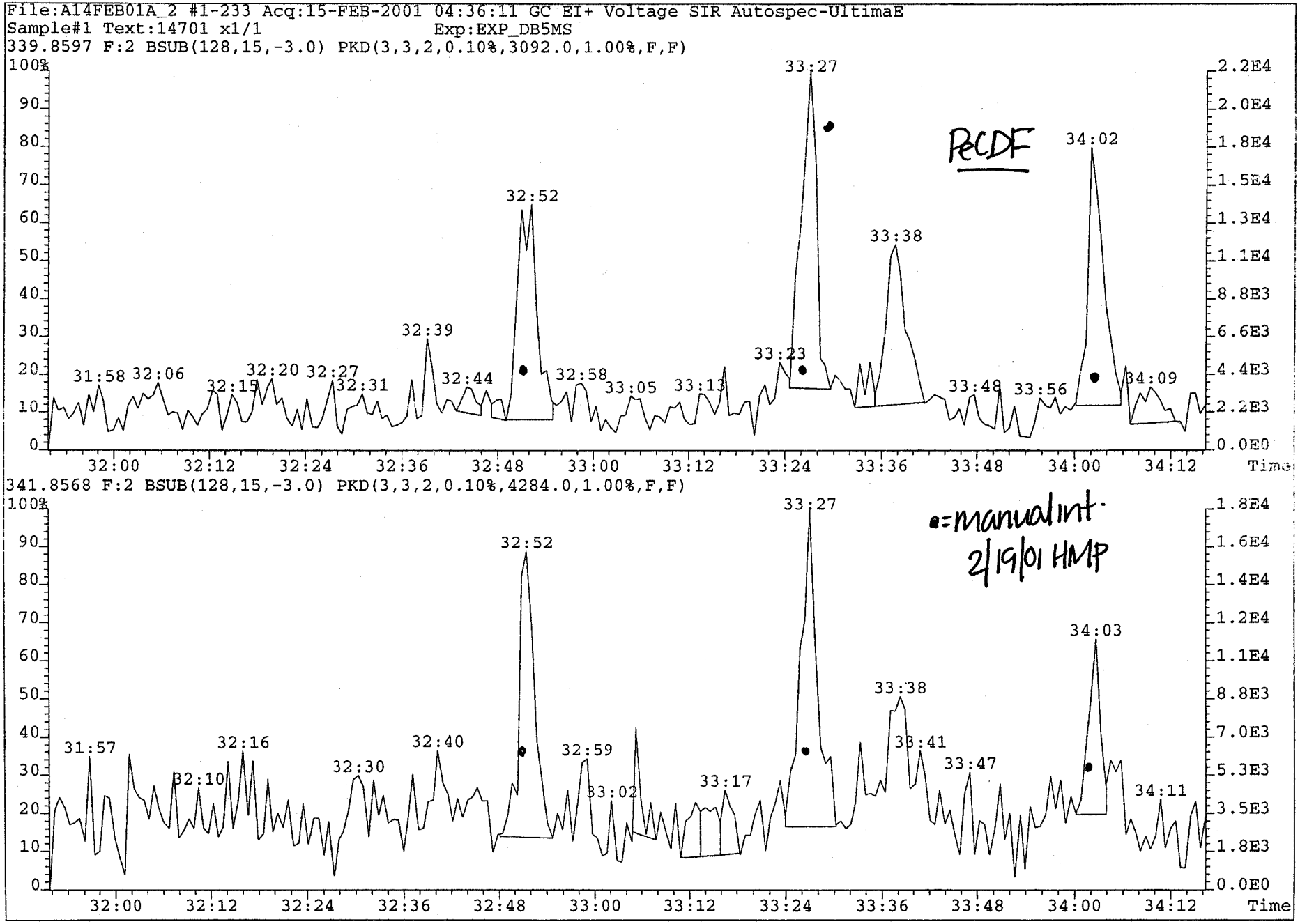
17

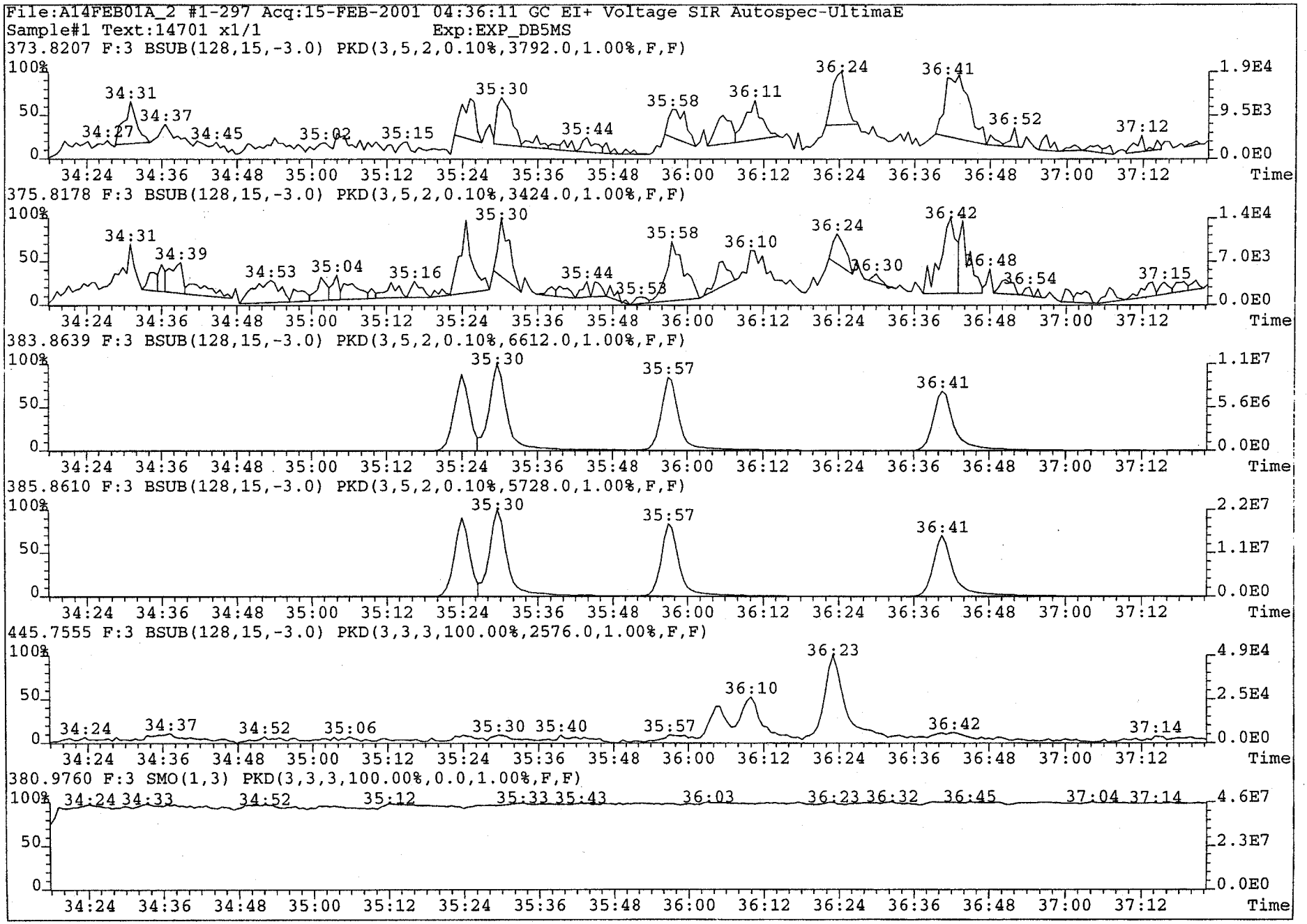

File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1
Exp:EXP_DB5MS
457.7377 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3556.0,1.00%,F,F)
100%
50
0
43:11
41:41
42:03
42:38
43:15
43:42
43:55
44:07
44:16
44:30
44:35
44:51
2.2E4
1.1E4
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
459.7348 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3776.0,1.00%,F,F)
100%
50
0
43:12
43:09
41:41
42:05
42:19
42:30
42:44
42:56
43:22
43:38
43:55
44:10
44:29
44:52
2.7E4
1.4E4
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3816.0,1.00%,F,F)
100%
50
0
43:10
6.0E6
3.0E6
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3108.0,1.00%,F,F)
100%
50
0
43:10
7.2E6
3.6E6
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
41:45
42:04
42:21
42:53
43:30
43:58
44:10
44:34
44:55
3.7E7
1.8E7
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time

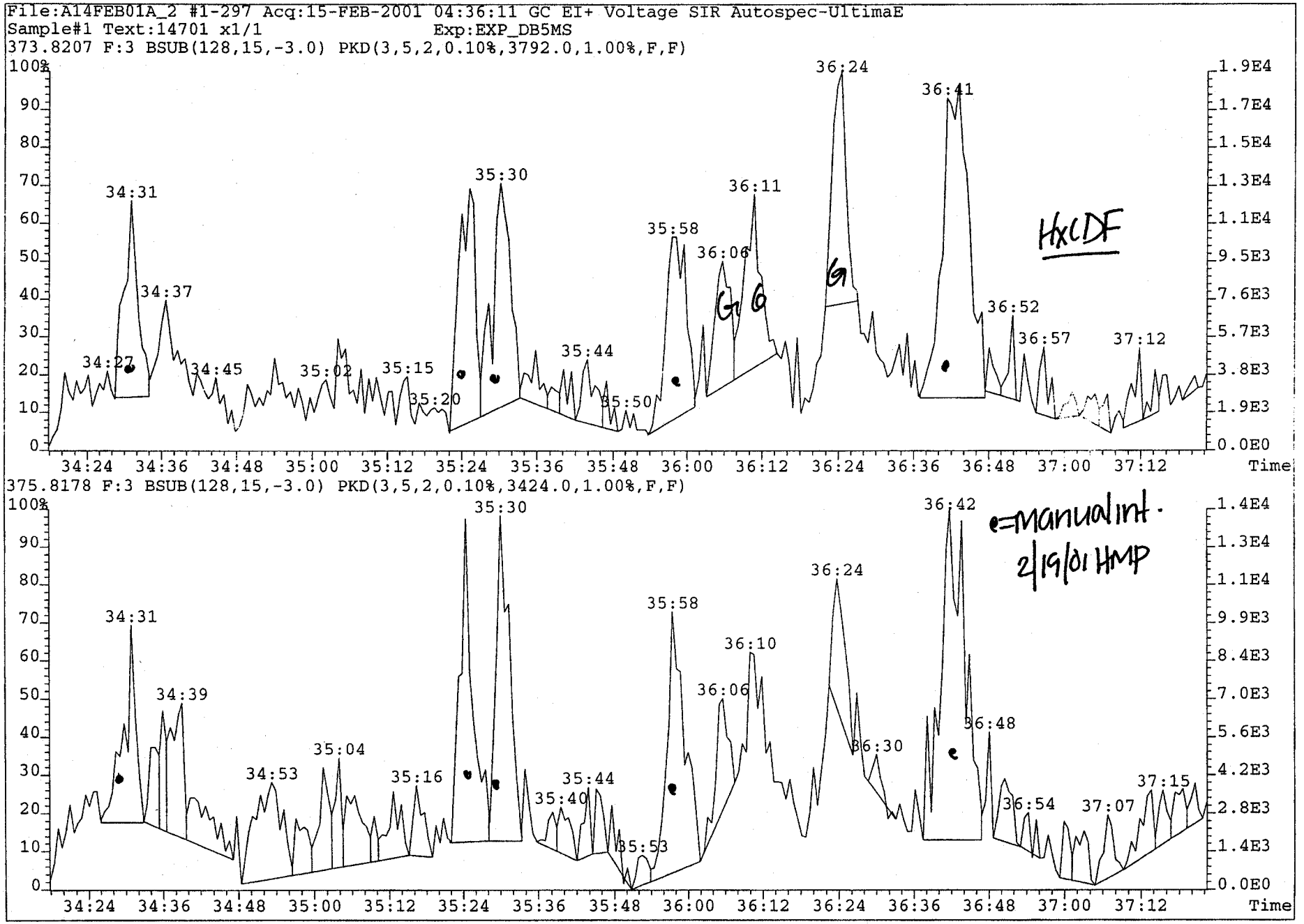

File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1
Exp:EXP_DB5MS
457.7377 F:5 BSUB(256,15,-3.0) PKD(3,5,3,0.10%,3696.0,1.00%,F,F)
OCDD
459.7348 F:5 BSUB(256,15,-3.0) PKD(3,5,3,0.10%,3508.0,1.00%,F,F)
•=manual int.
2/19/01 HMP
Time

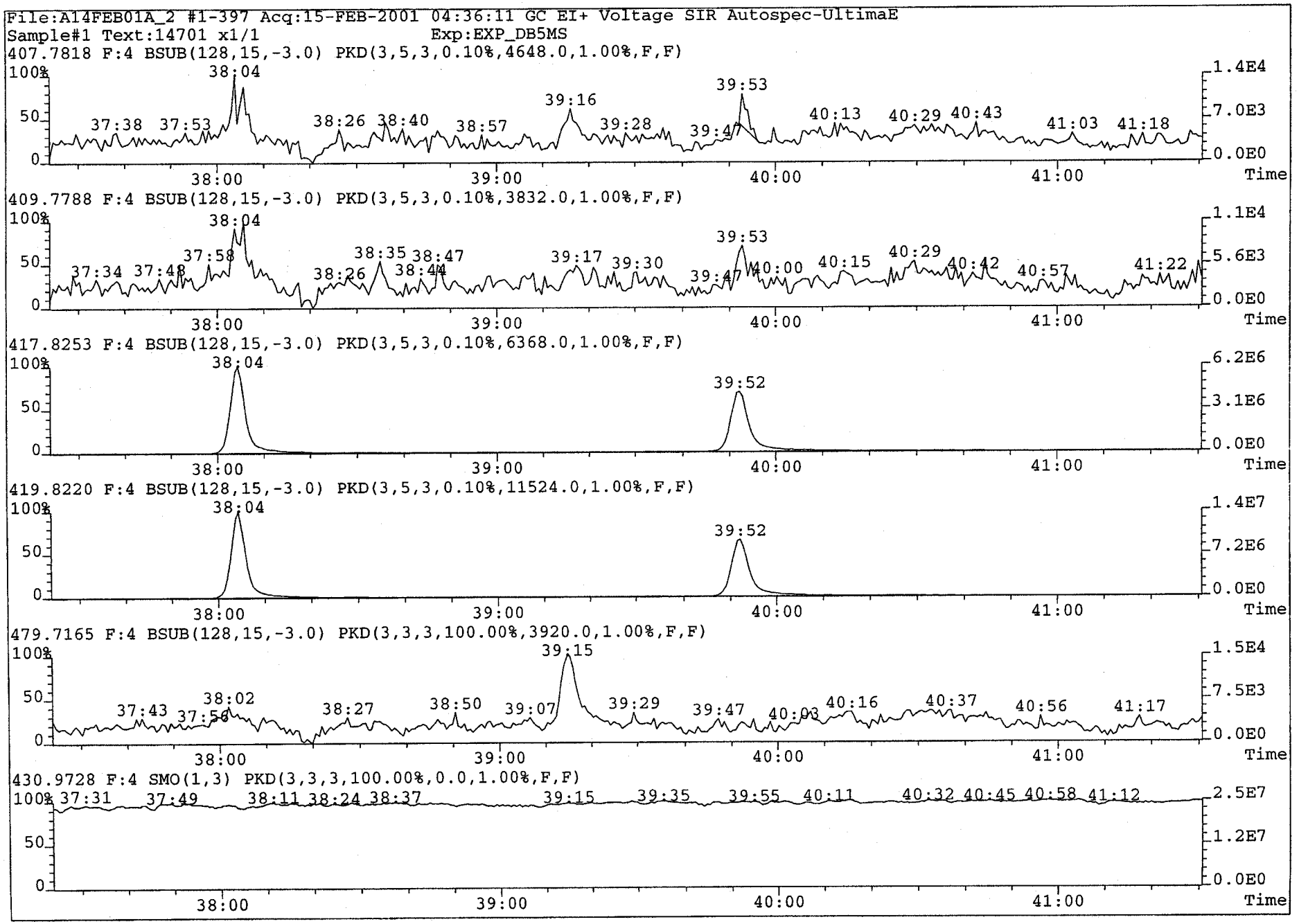

File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
303.9016 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2644.0,1.00%,F,F)
305.8987 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3348.0,1.00%,F,F)
315.9419 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2792.0,1.00%,F,F)
317.9389 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11924.0,1.00%,F,F)
375.8364 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2948.0,1.00%,F,F)
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

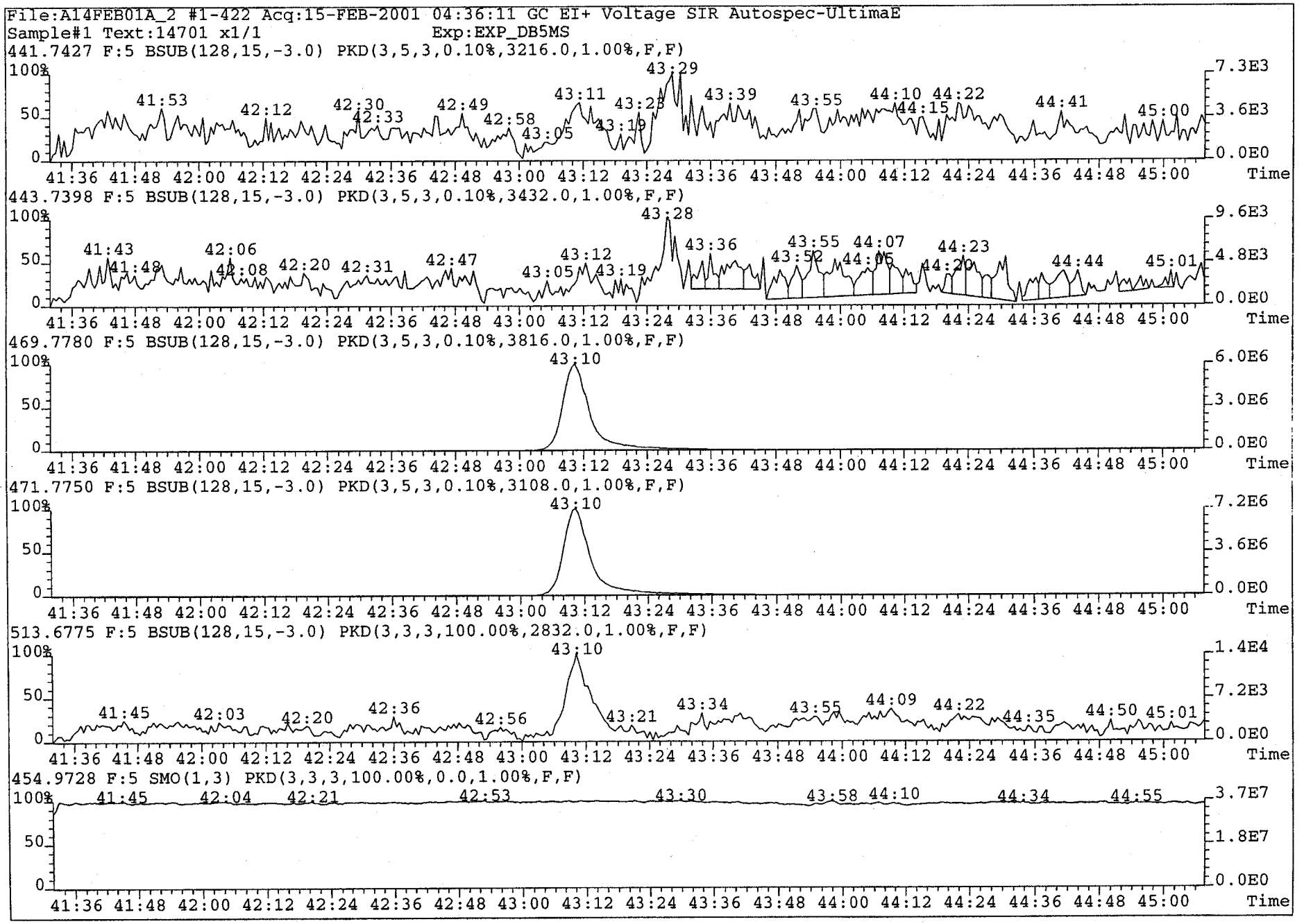

File:A14FEB01A_2 #1-233 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
339.8597 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3092.0,1.00%,F,F)
341.8568 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4284.0,1.00%,F,F)
351.9000 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3020.0,1.00%,F,F)
353.8970 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2744.0,1.00%,F,F)
409.7974 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3224.0,1.00%,F,F)
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

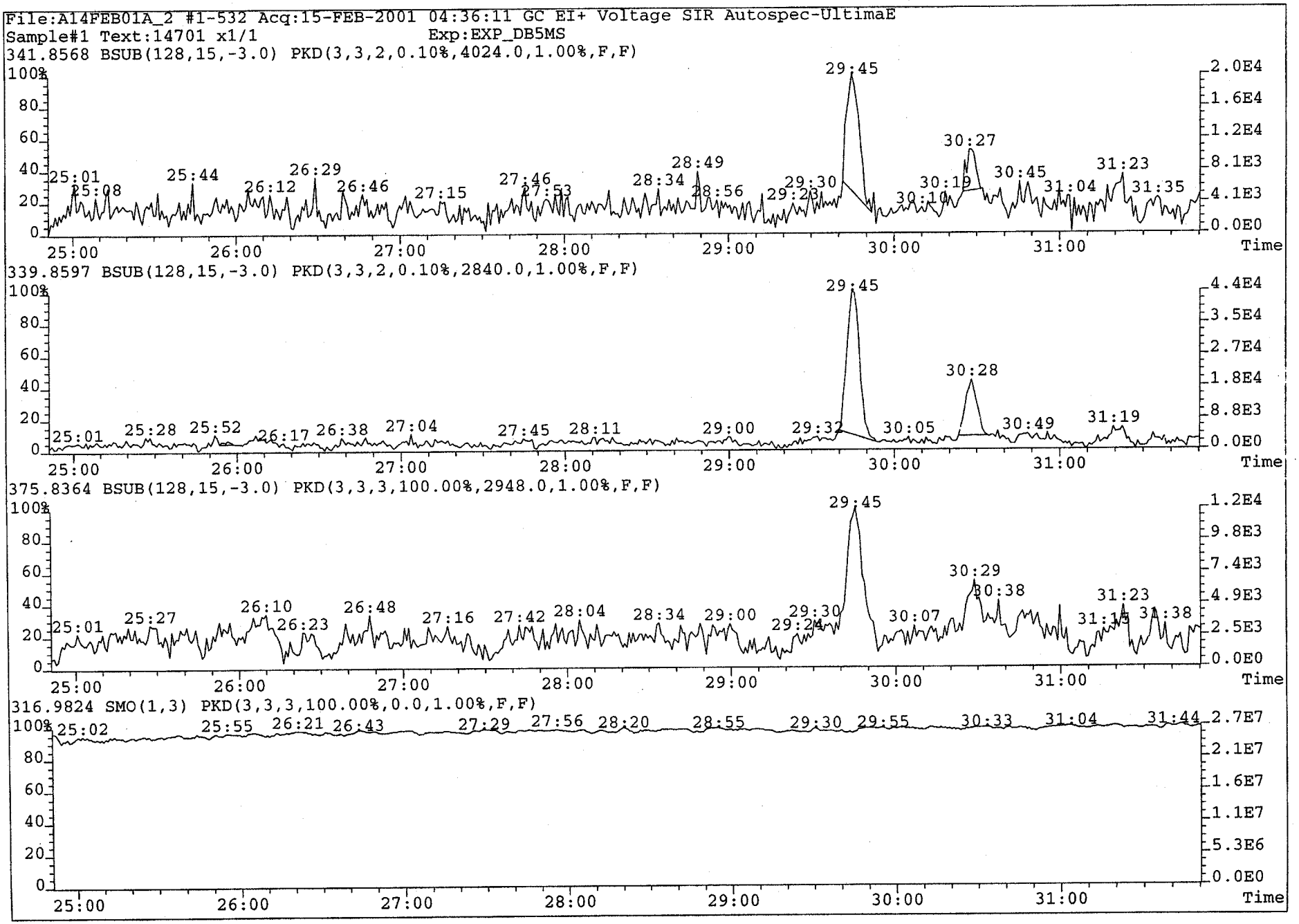

File:A14FEB01A_2 #1-233 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
339.8597 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3092.0,1.00%,F,F)
PeCDF
341.8568 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4284.0,1.00%,F,F)
*=manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
373.8207 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3792.0,1.00%,F,F)
375.8178 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3424.0,1.00%,F,F)
383.8639 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6612.0,1.00%,F,F)
385.8610 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5728.0,1.00%,F,F)
445.7555 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2576.0,1.00%,F,F)
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
373.8207 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3792.0,1.00%,F,F)
HxCDF
375.8178 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3424.0,1.00%,F,F)
e=manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
407.7818 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4648.0,1.00%,F,F)
409.7788 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3832.0,1.00%,F,F)
417.8253 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6368.0,1.00%,F,F)
419.8220 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,11524.0,1.00%,F,F)
479.7165 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3920.0,1.00%,F,F)
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
441.7427 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3216.0,1.00%,F,F)
443.7398 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3432.0,1.00%,F,F)
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3816.0,1.00%,F,F)
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3108.0,1.00%,F,F)
513.6775 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2832.0,1.00%,F,F)
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 04:36:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:14701 x1/1 Exp:EXP_DB5MS
341.8568 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4024.0,1.00%,F,F)
339.8597 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2840.0,1.00%,F,F)
375.8364 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2948.0,1.00%,F,F)
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Method 1613

LF-01A

Delta Environmental Consultants

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	EMPC (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8--TCDD	ND	0.0043				
1,2,3,7,8-PeCDD	ND	0.0016				
1,2,3,4,7,8-HxCDD	ND	0.0018				
1,2,3,6,7,8-HxCDD	ND	0.0018				
1,2,3,7,8,9-HxCDD	ND	0.0016				
1,2,3,4,6,7,8-HpCDD	0.0038			39:15	1.04	A
OCDD	0.0125			43:11	0.90	A
2,3,7,8--TCDF	ND	0.0018				
1,2,3,7,8-PeCDF	ND	0.0012				
2,3,4,7,8-PeCDF	ND	0.0011				
1,2,3,4,7,8-HxCDF	0.0020			35:24	1.23	A
1,2,3,6,7,8-HxCDF	0.0022			35:31	1.32	A
2,3,4,6,7,8-HxCDF	ND	0.0016				
1,2,3,7,8,9-HxCDF	ND	0.0016				
1,2,3,4,6,7,8-HpCDF	0.0056			38:05	1.10	A
1,2,3,4,7,8,9-HpCDF	0.0028			39:53	0.98	A
OCDF	0.0098			43:28	0.9	A
Total TCDDs	ND	0.0043				
Total PeCDDs	ND	0.0039				
Total HxCDDs	ND	0.0048				
Total HpCDDs	0.0081					
Total TCDFs	ND	0.0018				
Total PeCDFs	ND	0.0012				
Total HxCDFs	0.0061					
Total HpCDFs	0.0083					
ITEF TEQ (ND=0)	0.0006		0.0006			
ITEF TEQ (ND=½)	0.0039		0.0039			

Client Information

Project Name:	E096-007-5.0040
Sample ID:	LF-01A

Laboratory Information

Project ID:	G129-360
Sample ID:	14702
Collection Date/Time:	07-Feb-01 15:30
Receipt Date:	09-Feb-01
Extraction Date:	13-Feb-01
Analysis Date:	15-Feb-01

Sample Information

Matrix:	Aqueous
Weight / Volume:	506 mL
Solids / Lipids:	NA
Original pH :	5
Batch ID:	WG5267
Filename:	a14feb01a_2-2
Retchk:	a14feb01a-15
Begin ConCal:	a14feb01a-15
Initial Cal:	m1613-052699m

Method 1613

LF-01A

Delta Environmental Consultants

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	1	0.70	69.9	30:28	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.74	73.9	33:38	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.79	79.0	36:05	1.23	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.93	92.5	36:10	1.21	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.73	73.2	39:16	1.03	
$^{13}C_{12}$-OCDD	2	1.12	55.8	43:12	0.83	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.84	84.4	29:32	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.82	82.0	32:51	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.89	88.7	33:26	1.56	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.76	75.6	35:24	0.49	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.87	87.4	35:30	0.5	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.81	80.9	35:58	0.51	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.99	99.4	36:42	0.52	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	1.00	99.5	38:05	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.90	90.2	39:53	0.46	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.30	75.0	30:29		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:45	0.81	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.51	

Client Information

Project Name: E096-007-5.0040
Sample ID: LF-01A

Laboratory Information

Project ID: G129-360
Sample ID: 14702

Collection Date/Time: 07-Feb-01 15:30
Receipt Date: 09-Feb-01
Extraction Date: 13-Feb-01
Analysis Date: 15-Feb-01

Analyzed by: HMP
Date: 21Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 506 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5267

Filename: a14feb01a_2-2
Retchk: a14feb01a-15
Begin ConCal: a14feb01a-15

Initial Cal: m1613-052699m

Reviewed by: CPO
Date: 2/21/01

Filename ; a14feb01a_2
Sample ; 2
Acquired ; 15-FEB-01 05:23:37
Processed ; 15-FEB-01 08:35:17
Sample ID ; 14702 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-021401a_2
Comments ;

Typ	Name	Resp	Ion 1	Ion 2	RA;?;	RT	Conc	DL	S/N1;?;	S/N2;? ;	mod?
Unk	2,3,7,8-TCDD	*	*	*	*;n;NotFnd		*	0.2187	*;n;	*;n ;	no
Unk	1,2,3,7,8-PeCDD	1.44e+04	8.85e+03	5.57e+03	1.59;y;	33:38	0.020	0.0795	1;n;	1;n ;	no
Unk	1,2,3,4,7,8-HxCDD	4.42e+04	3.02e+04	1.40e+04	2.16;n;	36:05	0.064	0.0917	2;n;	2;n ;	no
Unk	1,2,3,6,7,8-HxCDD	6.92e+04	2.64e+04	4.28e+04	0.62;n;	36:10	0.089	0.0890	3;n;	3;n ;	no
Unk	1,2,3,7,8,9-HxCDD	7.36e+04	4.00e+04	3.36e+04	1.19;y;	36:24	0.092	0.0829	3;n;	3;n ;	no
Unk	1,2,3,4,6,7,8-HpCDD	1.18e+05	6.01e+04	5.80e+04	1.04;y;	39:15	0.194	0.1321	7;y;	5;y ;	yes
Unk	OCDD	2.44e+05	1.16e+05	1.29e+05	0.90;y;	43:11	0.632	0.4071	6;y;	8;y ;	yes
Unk	2,3,7,8-TCDF	*	*	*	*;n;NotFnd		*	0.0894	*;n;	*;n ;	no
Unk	1,2,3,7,8-PeCDF	2.48e+04	1.83e+04	6.43e+03	2.85;n;	32:52	0.020	0.0602	2;n;	1;n ;	no
Unk	2,3,4,7,8-PeCDF	*	*	*	*;n;NotFnd		*	0.0563	*;n;	*;n ;	no
Unk	1,2,3,4,7,8-HxCDF	1.05e+05	5.82e+04	4.73e+04	1.23;y;	35:24	0.100	0.0658	3;y;	5;y ;	no
Unk	1,2,3,6,7,8-HxCDF	1.39e+05	7.89e+04	5.97e+04	1.32;y;	35:31	0.109	0.0660	5;y;	5;y ;	no
Unk	2,3,4,6,7,8-HxCDF	7.85e+04	4.48e+04	3.37e+04	1.33;y;	35:58	0.074	0.0791	3;y;	3;n ;	yes
Unk	1,2,3,7,8,9-HxCDF	8.42e+04	5.38e+04	3.04e+04	1.77;n;	36:42	0.071	0.0821	3;n;	3;n ;	yes
Unk	1,2,3,4,6,7,8-HpCDF	3.68e+05	1.93e+05	1.75e+05	1.10;y;	38:05	0.282	0.0588	14;y;	16;y ;	yes
Unk	1,2,3,4,7,8,9-HpCDF	1.36e+05	6.71e+04	6.86e+04	0.98;y;	39:53	0.140	0.0971	3;y;	6;y ;	yes
Unk	OCDF	2.34e+05	1.11e+05	1.23e+05	0.90;y;	43:28	0.494	0.2647	7;y;	7;y ;	yes
ES/RT	13C-2,3,7,8-TCDD	7.66e+07	3.42e+07	4.24e+07	0.81;y;	30:28	34.942	0.0663	1261;y;	1860;y ;	no
ES	13C-1,2,3,7,8-PeCDD	6.83e+07	4.19e+07	2.65e+07	1.58;y;	33:38	36.963	0.1144	1622;y;	2744;y ;	no
ES	13C-1,2,3,4,7,8-HxCDD	6.11e+07	3.37e+07	2.75e+07	1.23;y;	36:05	39.497	0.0593	2658;y;	2123;y ;	no
ES	13C-1,2,3,6,7,8-HxCDD	7.97e+07	4.37e+07	3.60e+07	1.21;y;	36:10	46.269	0.0533	3200;y;	2573;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDD	6.05e+07	3.07e+07	2.98e+07	1.03;y;	39:16	36.598	0.1123	550;y;	1474;y ;	no
ES	13C-OCDD	7.18e+07	3.25e+07	3.93e+07	0.83;y;	43:12	55.775	0.0589	1440;y;	2155;y ;	no
ES/RT	13C-2,3,7,8-TCDF	1.31e+08	5.79e+07	7.34e+07	0.79;y;	29:32	42.212	0.0993	2284;y;	966;y ;	no
ES	13C-1,2,3,7,8-PeCDF	1.17e+08	7.15e+07	4.52e+07	1.58;y;	32:51	41.009	0.0360	8536;y;	6054;y ;	no
ES	13C-2,3,4,7,8-PeCDF	1.20e+08	7.30e+07	4.67e+07	1.56;y;	33:26	44.373	0.0380	8497;y;	5988;y ;	no
ES	13C-1,2,3,4,7,8-HxCDF	8.50e+07	2.81e+07	5.69e+07	0.49;y;	35:24	37.780	0.0751	1304;y;	2849;y ;	no
ES	13C-1,2,3,6,7,8-HxCDF	1.06e+08	3.53e+07	7.07e+07	0.50;y;	35:30	43.702	0.0697	1314;y;	2982;y ;	no
ES	13C-2,3,4,6,7,8-HxCDF	9.19e+07	3.11e+07	6.08e+07	0.51;y;	35:58	40.470	0.0745	1174;y;	2555;y ;	no
ES	13C-1,2,3,7,8,9-HxCDF	9.30e+07	3.19e+07	6.10e+07	0.52;y;	36:42	49.702	0.0903	1056;y;	2172;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDF	8.92e+07	2.79e+07	6.13e+07	0.46;y;	38:05	49.751	0.1118	2812;y;	1032;y ;	no
ES	13C-1,2,3,4,7,8,9-HpCDF	6.67e+07	2.10e+07	4.57e+07	0.46;y;	39:53	45.121	0.1356	1778;y;	606;y ;	no
JS	13C-1,2,3,4-TCDD	2.07e+08	9.28e+07	1.14e+08	0.81;y;	29:45	102.186	-;	3536;y;	5133;y ;	no
JS	13C-1,2,3,7,8,9-HxCDD	1.81e+08	9.84e+07	8.22e+07	1.20;y;	36:24	109.554	-;	6608;y;	5221;y ;	no
CS	37Cl-2,3,7,8-TCDD	3.64e+07	3.64e+07	-;	-;-;	30:29	15.004	0.0443	996;y	;	no

	Conc	Empc	Flags
TCDF	0	0	FALSE
TCDD	0	0	FALSE
PeCDF	0	0	FALSE
PeCDD	0	0	FALSE
HxCDF	0.208	0.208	FALSE
HxCDD	0	0	FALSE
HpCDF	0.282	0.282	FALSE
HpCDD	0.41	0.41	FALSE

Filename:	a14feb01a_2	Name of Homolog Group:	Total Tetra-Furans
Sample:	2	Number of Peaks Found:	0
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.1266
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.0894
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-021401a_2	End Window:	

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	2	Number of Peaks Found:	0
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.181
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.2187
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-021401a_2	End Window:	

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	2	Number of Peaks Found:	1
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.096
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.0441
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-021401a_2	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.52E+05	57500	194000	0.3	n	29:45	0.194	RT	3	n	12.5	y	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn2
Sample:	2	Number of Peaks Found:	2
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.096
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.0582
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:08:00
Results Table:	m1613-021401a_2	End Window:	34:14:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.77E+04	12600	5130		2.46 n	32:19	0.014	S2N		1.5 n		0.8 n	n
1,2,3,7,8-PeCDF	2	2.48E+04	18300	6430		2.85 n	32:52	0.02	S2N		2.3 n		0.9 n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Dioxins
Sample:	2	Number of Peaks Found:	4
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.0298
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.198
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	32:15:00
Results Table:	m1613-021401a_2	End Window:	33:59:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.39E+05	97100	42200		2.3 n	32:51	0	CF		12 y		4.7 y	n
	2	1.25E+05	94900	30100		3.15 n	33:26	0	CF		10.3 y		4.1 y	n
1,2,3,7,8-PeCDD	3	1.44E+04	8850	5570		1.59 y	33:38	0.02	S2N		1.5 n		1.1 n	n
	4	3.02E+03	1010	2010		0.51 n	33:45	0.004	S2N		0.3 n		0.3 n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Hexa-Furans
Sample:	2	Number of Peaks Found:	23
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.2111
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.0736
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:21:00
Results Table:	m1613-021401a_2	End Window:	36:53:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	4.44E+04	25200	19200		1.31 y	34:31	0.039	S2N		2.4 n		1.7 n	y
	2	1.12E+05	63500	48600		1.31 y	34:38	0.099	OK		4.7 y		4.8 y	n
	3	8.60E+03	5250	3360		1.56 n	34:46	0.008	S2N		0.6 n		0.6 n	n
	4	5.22E+03	3460	1760		1.97 n	34:49	0.005	S2N		0.4 n		0.3 n	n
	5	8.61E+03	6070	2540		2.39 n	34:54	0.008	S2N		1.3 n		0.5 n	n
	6	4.57E+03	1130	3440		0.33 n	34:56	0.004	S2N		0.2 n		0.4 n	n
	7	5.12E+03	1680	3440		0.49 n	34:58	0.005	S2N		0.3 n		0.4 n	n
	8	1.51E+04	7150	7960		0.9 n	35:02	0.013	S2N		1.6 n		1.4 n	n
	9	9.45E+03	1490	7960		0.19 n	35:04	0.008	S2N		0.3 n		1.4 n	n
	10	2.99E+03	1210	1790		0.68 n	35:07	0.003	S2N		0.2 n		0.3 n	n

	11	2.83E+03	1050	1790	0.59	n	35:09	0.002	S2N	0.2	n	0.3	n n
	12	6.02E+03	3730	2290	1.63	n	35:11	0.005	S2N	0.6	n	0.3	n n
	13	5.68E+03	3940	1740	2.27	n	35:14	0.005	S2N	0.6	n	0.4	n n
	14	2.83E+04	15200	13200	1.15	y	35:19	0.025	S2N	1.3	n	1.1	n n
1,2,3,4,7,8-HxCDF	15	1.05E+05	58200	47300	1.23	y	35:24	0.1	S2N	3.4	y	4.7	y n
1,2,3,6,7,8-HxCDF	16	1.39E+05	78900	59700	1.32	y	35:31	0.109	OK	5.3	y	5	y n
	17	1.73E+04	12300	5000	2.47	n	35:36	0.015	S2N	1.3	n	0.9	n n
	18	8.77E+03	5890	2880	2.05	n	35:47	0.008	S2N	0.7	n	0.6	n n
	19	5.90E+03	3570	2320	1.54	n	35:54	0.005	S2N	0.7	n	0.3	n n
2,3,4,6,7,8-HxCDF	20	7.85E+04	44800	33700	1.33	y	35:58	0.074	S2N	3	y	2.5	n n
	21	6.62E+04	43500	22700	1.91	n	36:10	0.058	S2N	1.9	n	1.8	n n
	22	6.21E+04	30800	31300	0.98	n	36:24	0.055	S2N	2.7	n	2.4	n n
1,2,3,7,8,9-HxCDF	23	8.42E+04	53800	30400	1.77	n	36:42	0.071	S2N	2.5	n	2.5	n y

Filename:	a14feb01a_2	Name of Homolog Group:	Total Hexa-Dioxins
Sample:	2	Number of Peaks Found:	23
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.0787
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.242
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:49:00
Results Table:	m1613-021401a_2	End Window:	36:29:00

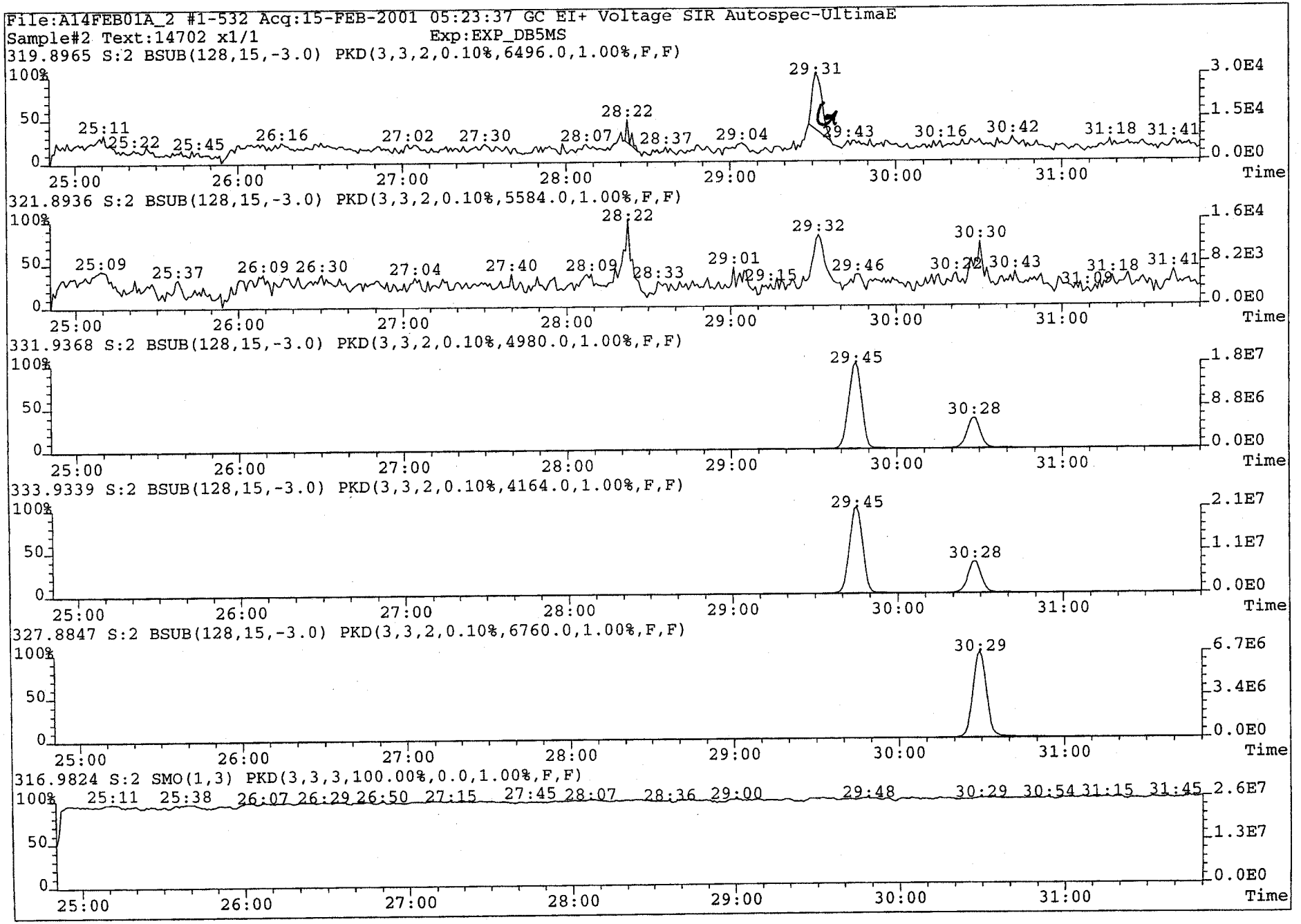
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.21E+05	96700	24700	3.92	n	35:24	0	S2N	9.4	y	3.8	y	n
	2	1.58E+05	120000	37200	3.23	n	35:30	0	CF	10.6	y	4	y	n
	3	3.63E+04	20300	16000	1.27	y	35:34	0.048	S2N	2.6	n	2.1	n	n
	4	1.51E+04	11300	3760	3.02	n	35:37	0.02	S2N	1.2	n	1.6	n	n
	5	3.86E+03	2040	1820	1.12	y	35:47	0.005	S2N	0.4	n	0.5	n	n
	6	6.57E+03	3120	3450	0.91	n	35:49	0.009	S2N	0.6	n	0.4	n	n
	7	1.68E+05	117000	50200	2.33	n	35:57	0	CF	9.6	y	4.2	y	n
	8	2.66E+04	13900	12700	1.1	y	36:02	0.035	S2N	2.9	n	1.6	n	n
1,2,3,4,7,8-HxCDD	9	4.42E+04	30200	14000	2.16	n	36:05	0.064	S2N	2.3	n	2.1	n	n
	10	2.10E+04	13400	7650	1.75	n	36:08	0.028	S2N	2.1	n	2.5	n	n
1,2,3,6,7,8-HxCDD	11	6.92E+04	26400	42800	0.62	n	36:10	0.089	S2N	3	n	2.8	n	n
	12	1.72E+04	11700	5510	2.11	n	36:14	0.023	S2N	1.5	n	1	n	n
	13	1.07E+04	4120	6600	0.62	n	36:17	0.014	S2N	1.1	n	1.4	n	n
	14	1.95E+04	9450	10100	0.94	n	36:19	0.026	S2N	1.6	n	2.5	n	n
	15	1.54E+04	5280	10100	0.52	n	36:20	0.02	S2N	1.4	n	2.5	n	n
1,2,3,7,8,9-HxCDD	16	7.36E+04	40000	33600	1.19	y	36:24	0.092	S2N	2.6	n	2.6	n	n
	17	1.16E+04	5570	5990	0.93	n	36:30	0.015	RT	0.8	n	1.1	n	n
	18	2.65E+04	15900	10600	1.5	n	36:34	0.035	RT	1.3	n	1.5	n	n
	19	1.84E+05	122000	61700	1.98	n	36:41	0	RT	8.1	y	3.9	y	n
	20	3.87E+03	1610	2260	0.72	n	36:48	0.005	RT	0.3	n	0.5	n	n
	21	5.31E+03	2120	3190	0.67	n	36:50	0.007	RT	0.4	n	0.6	n	n
	22	7.26E+03	3300	3960	0.83	n	36:53	0.01	RT	0.3	n	0.7	n	n
	23	9.15E+03	4980	4170	1.19	y	36:59	0.012	RT	0.5	n	0.5	n	n

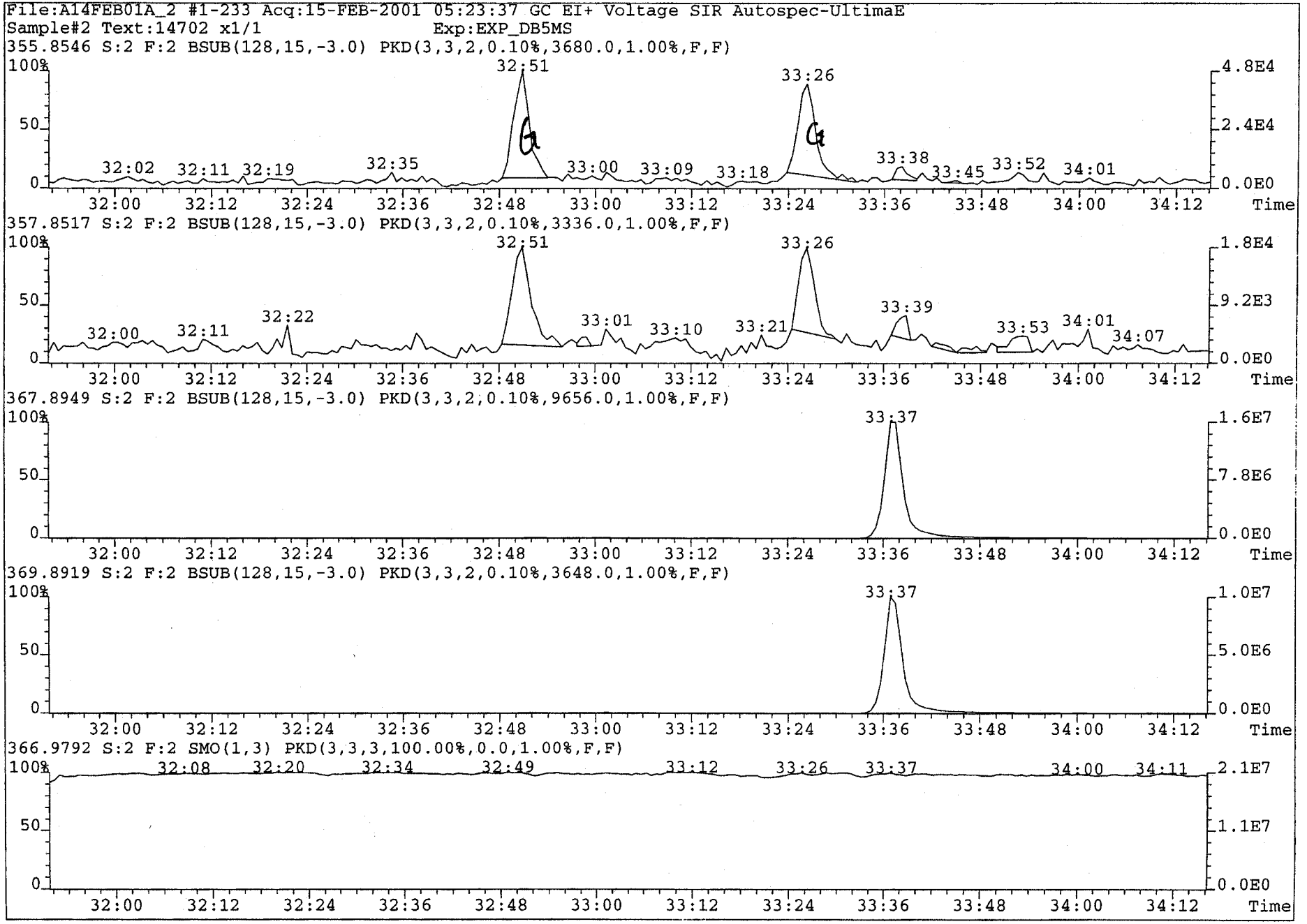
Filename:	a14feb01a_2	Name of Homolog Group:	Total Hepta-Furans
Sample:	2	Number of Peaks Found:	37
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.4605
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.0751
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	37:54:00
Results Table:	m1613-021401a_2	End Window:	40:03:00

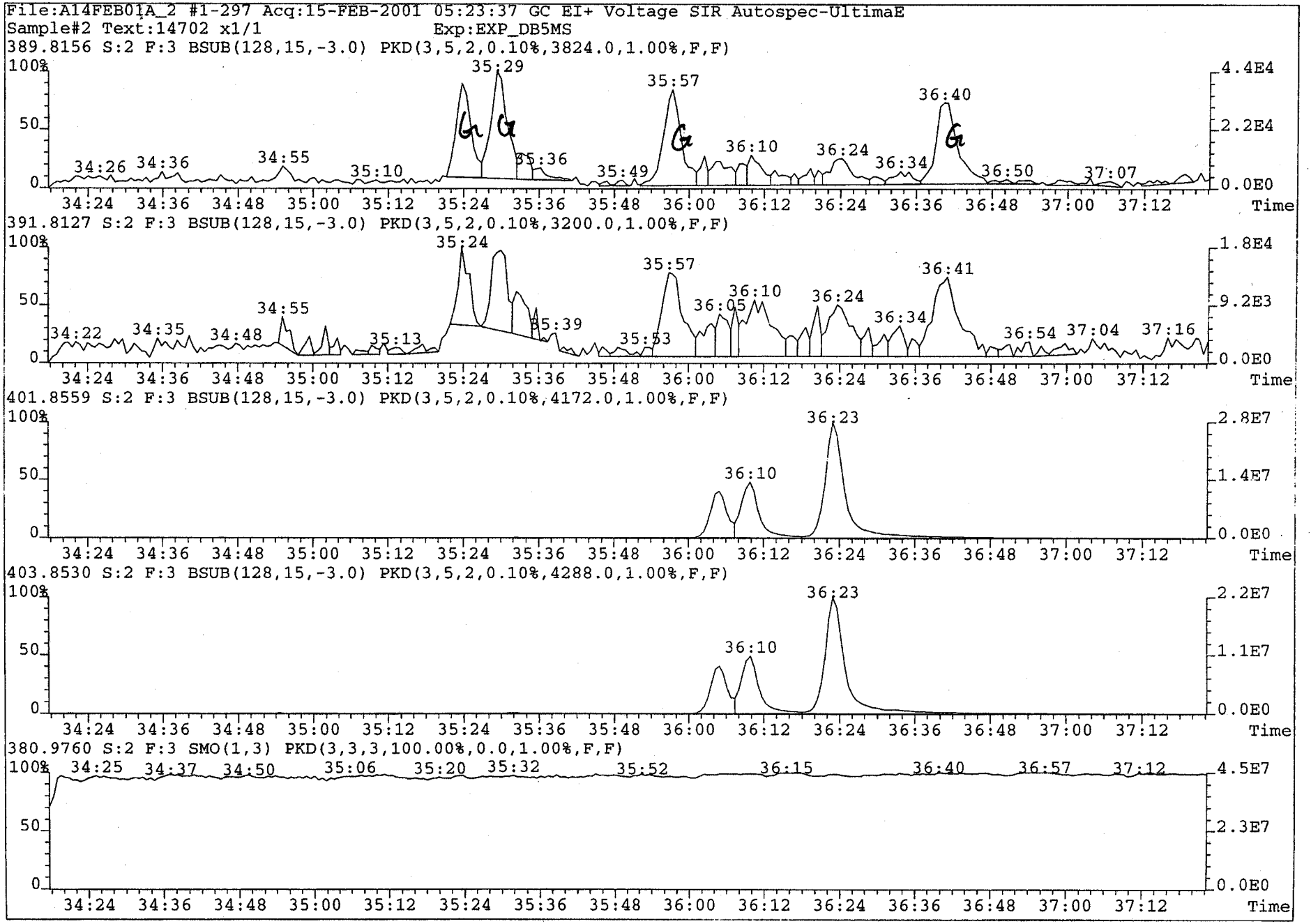
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,6,7,8-HpCDI	1	3.68E+05	193000	175000	1.1	y	38:05	0.282	OK	13.5	y	16.5	y	y
	2	6.37E+04	32100	31700	1.01	y	38:24	0.056	S2N	3.4	y	5.5	y	y
	3	9.36E+04	41400	52100	0.79	n	38:34	0.082	S2N	3.5	y	4.9	y	y
	4	6.75E+03	2370	4380	0.54	n	38:44	0.006	S2N	0.4	n	0.7	n	n
	5	6.63E+03	2250	4380	0.51	n	38:46	0.006	S2N	0.4	n	0.7	n	n
	6	1.18E+04	4460	7300	0.61	n	38:55	0.01	S2N	0.9	n	1.3	n	n
	7	1.30E+04	5720	7300	0.78	n	38:58	0.011	S2N	0.9	n	1.3	n	n
	8	1.45E+04	8220	6270	1.31	n	39:04	0.013	S2N	1	n	1.1	n	n
	9	8.98E+03	4580	4400	1.04	y	39:07	0.008	S2N	0.5	n	0.9	n	n
	10	1.36E+04	9070	4480	2.02	n	39:11	0.012	S2N	0.9	n	0.9	n	n
	11	4.28E+04	24500	18300	1.34	n	39:15	0.038	S2N	1.7	n	1.4	n	n
	12	5.09E+03	3310	1770	1.87	n	39:21	0.004	S2N	0.7	n	0.4	n	n
	13	8.07E+03	5650	2420	2.34	n	39:24	0.007	S2N	0.6	n	0.5	n	n
	14	9.07E+03	6650	2420	2.75	n	39:28	0.008	S2N	0.7	n	0.5	n	n
	15	1.17E+04	5250	6470	0.81	n	39:33	0.01	S2N	0.7	n	0.9	n	n
	16	1.20E+04	8650	3360	2.57	n	39:36	0.011	S2N	0.7	n	0.8	n	n
	17	1.35E+04	6620	6920	0.96	y	39:39	0.012	S2N	1.1	n	0.8	n	n
	18	1.01E+04	3150	6920	0.46	n	39:41	0.009	S2N	0.6	n	0.8	n	n
	19	2.32E+03	909	1420	0.64	n	39:44	0.002	S2N	0.2	n	0.2	n	n
1,2,3,4,7,8,9-HpCDI	20	1.36E+05	67100	68600	0.98	y	39:53	0.14	S2N OK	3.4	y	6.1	y	y
	21	1.32E+04	7580	5670	1.34	n	40:01	0.012	S2N	1.1	n	1	n	n
	22	1.04E+04	3000	7380	0.41	n	40:03	0.009	S2N	0.5	n	1	n	n
	23	1.51E+04	7740	7370	1.05	y	40:06	0.013	RT	0.8	n	1.3	n	n
	24	1.34E+04	5350	8070	0.66	n	40:09	0.012	RT	1	n	1.5	n	n
	25	1.41E+04	6010	8070	0.74	n	40:11	0.012	RT	1	n	1.5	n	n
	26	7.63E+03	2430	5200	0.47	n	40:13	0.007	RT	0.6	n	1	n	n
	27	8.93E+03	3730	5200	0.72	n	40:14	0.008	RT	0.5	n	1	n	n
	28	9.14E+03	3210	5930	0.54	n	40:19	0.008	RT	0.5	n	0.9	n	n
	29	1.57E+04	7350	8380	0.88	n	40:21	0.014	RT	0.7	n	1.1	n	n
	30	1.11E+04	4190	6900	0.61	n	40:27	0.01	RT	0.4	n	1.1	n	n
	31	1.32E+04	4290	8900	0.48	n	40:34	0.012	RT	0.4	n	1.4	n	n
	32	8.32E+03	2710	5610	0.48	n	40:37	0.007	RT	0.5	n	0.7	n	n
	33	1.20E+04	6410	5610	1.14	y	40:39	0.011	RT	0.7	n	0.7	n	n
	34	1.18E+04	3820	7980	0.48	n	40:42	0.01	RT	0.7	n	1.3	n	n
	35	9.91E+03	3880	6030	0.64	n	40:45	0.009	RT	0.5	n	0.9	n	n
	36	1.10E+04	7950	3080	2.58	n	40:49	0.01	RT	0.6	n	0.8	n	n
	37	1.23E+04	3340	8960	0.37	n	40:57	0.011	RT	0.6	n	0.9	n	n

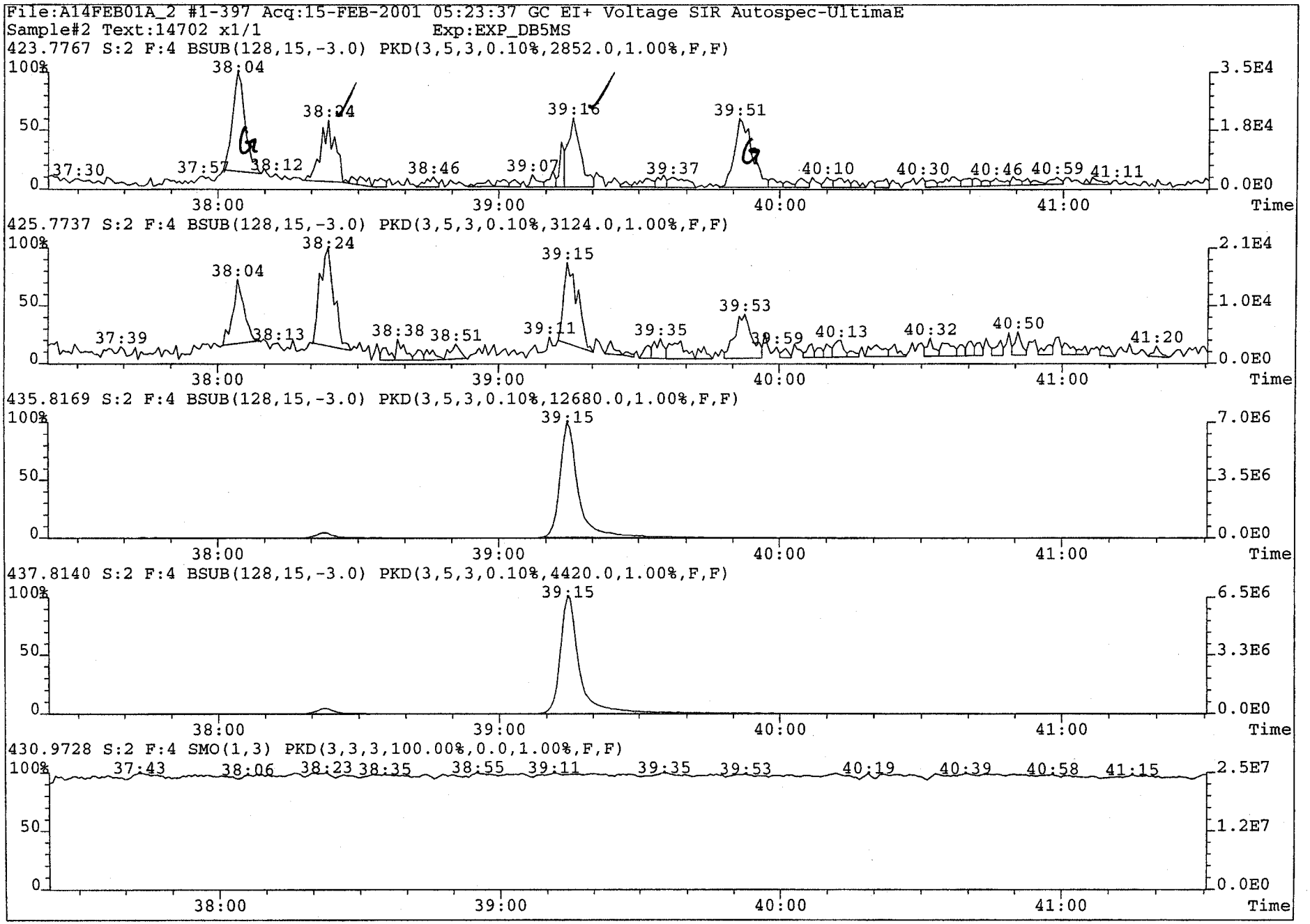
Filename:	a14feb01a_2	Name of Homolog Group:	Total Hepta-Dioxins
Sample:	2	Number of Peaks Found:	28
Acquired:	15-FEB-01 05:23:37	RRF Used For Totals:	1.0066
Processed:	15-FEB-01 08:35:17	Detection Limit:	0.1321
Sample ID:	14702 x1/1		
Cal Table:	m1613-052699m	Begin Window:	38:15:00
Results Table:	m1613-021401a_2	End Window:	38:35:00

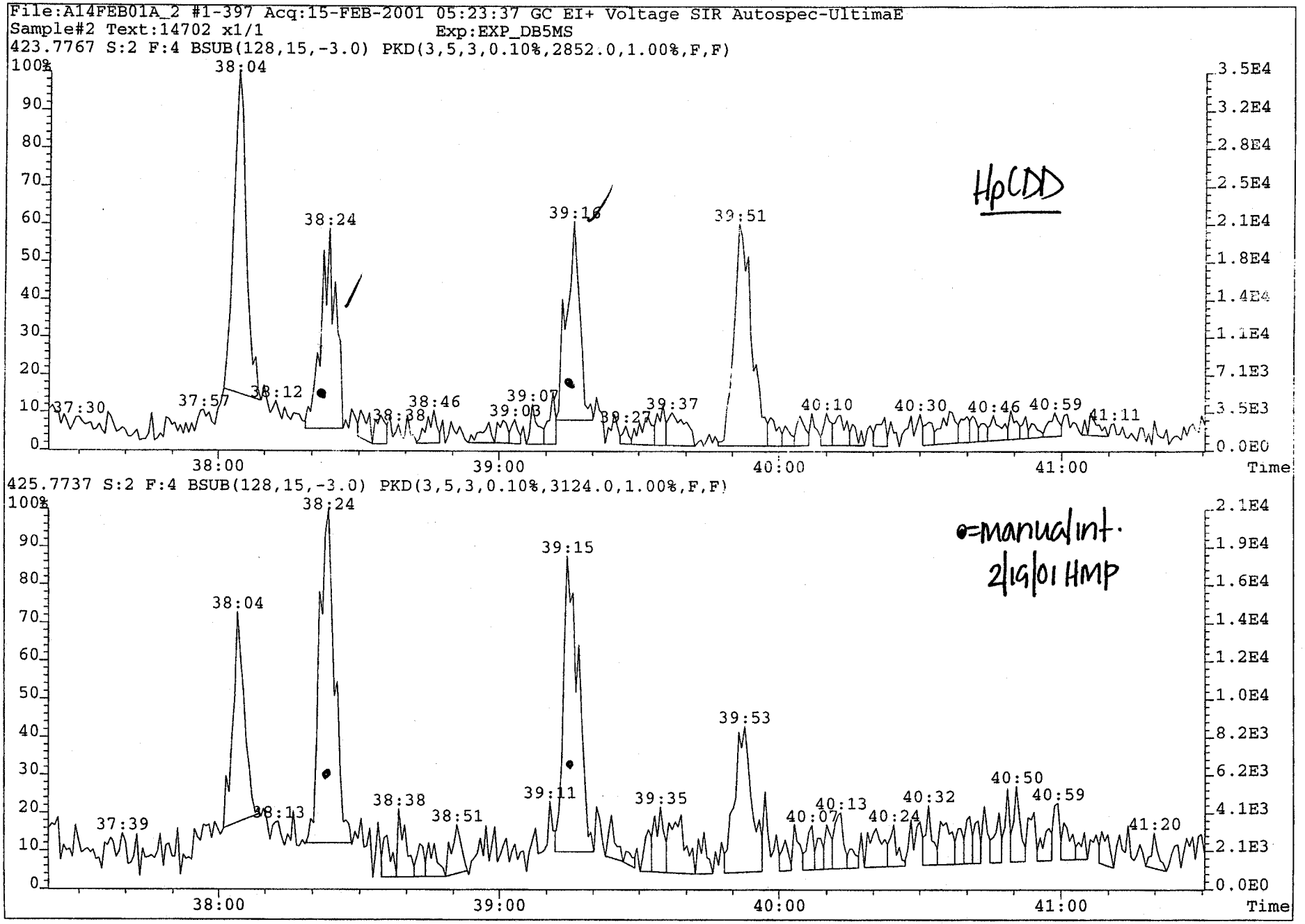
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.23E+05	91800	31500	2.92	n	38:04	0.203	RT	10.5	y	3.6	y	n
	2	1.31E+05	66300	65200	1.02	y	38:23	0.216	OK	6.6	y	5.8	y	y
	3	1.03E+04	5940	4320	1.37	n	38:34	0.017	S2N	0.9	n	0.7	n	n
	4	1.14E+04	7310	4080	1.79	n	38:45	0.019	RT	1.1	n	0.6	n	n
1,2,3,4,6,7,8-HpCDI	5	1.18E+05	60100	58000	1.04	y	39:15	0.194	RT	6.6	y	5.1	y	y
	6	3.67E+03	2410	1260	1.91	n	39:26	0.006	RT	0.6	n	0.2	n	n
	7	1.18E+04	8280	3500	2.36	n	39:31	0.019	RT	0.9	n	0.7	n	n
	8	1.42E+04	6600	7610	0.87	n	39:35	0.023	RT	1.3	n	1.1	n	n
	9	2.50E+04	13100	11900	1.1	y	39:38	0.041	RT	1.1	n	1	n	n
	10	1.22E+05	89000	32800	2.71	n	39:52	0.2	RT	7.3	y	2.5	n	n
	11	8.60E+03	5950	2650	2.25	n	39:59	0.014	RT	0.9	n	0.5	n	n
	12	5.88E+03	3230	2650	1.22	n	40:01	0.01	RT	0.7	n	0.5	n	n
	13	9.58E+03	5740	3840	1.49	n	40:04	0.016	RT	1	n	0.8	n	n
	14	8.66E+03	5190	3470	1.5	n	40:10	0.014	RT	1.1	n	0.8	n	n
	15	1.45E+04	7970	6550	1.22	n	40:12	0.024	RT	1	n	1	n	n
	16	5.66E+03	3630	2020	1.8	n	40:16	0.009	RT	0.7	n	0.3	n	n
	17	1.32E+04	5970	7230	0.83	n	40:21	0.022	RT	1	n	0.7	n	n
	18	9.79E+03	4570	5220	0.87	n	40:31	0.016	RT	0.7	n	1	n	n
	19	1.68E+04	9990	6800	1.47	n	40:36	0.028	RT	1.1	n	0.8	n	n
	20	9.11E+03	5220	3890	1.34	n	40:39	0.015	RT	0.8	n	0.8	n	n
	21	7.27E+03	3760	3510	1.07	y	40:41	0.012	RT	0.9	n	0.7	n	n
	22	6.30E+03	2790	3510	0.79	n	40:43	0.01	RT	0.6	n	0.7	n	n
	23	1.04E+04	6210	4220	1.47	n	40:46	0.017	RT	0.8	n	0.9	n	n
	24	1.10E+04	4260	6720	0.63	n	40:49	0.018	RT	0.9	n	1.3	n	n
	25	9.32E+03	2600	6720	0.39	n	40:52	0.015	RT	0.7	n	1.3	n	n
	26	6.55E+03	2700	3840	0.7	n	40:54	0.011	RT	0.5	n	0.6	n	n
	27	8.89E+03	5040	3840	1.31	n	40:58	0.015	RT	0.8	n	0.6	n	n
	28	8.79E+03	5130	3660	1.4	n	41:07	0.014	RT	0.7	n	0.6	n	n

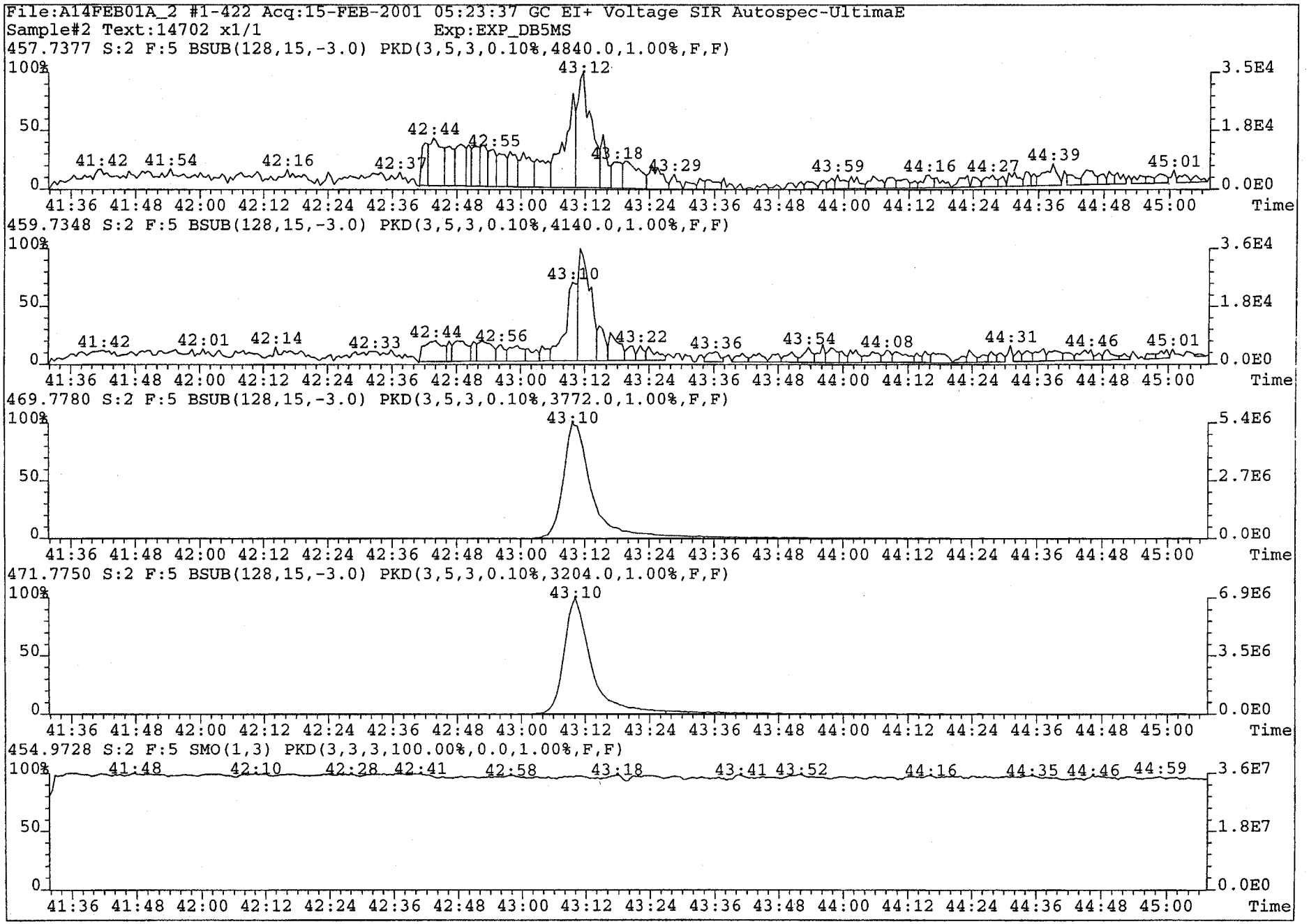

File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
319.8965 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6496.0,1.00%,F,F)
321.8936 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5584.0,1.00%,F,F)
331.9368 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4980.0,1.00%,F,F)
333.9339 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4164.0,1.00%,F,F)
327.8847 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6760.0,1.00%,F,F)
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

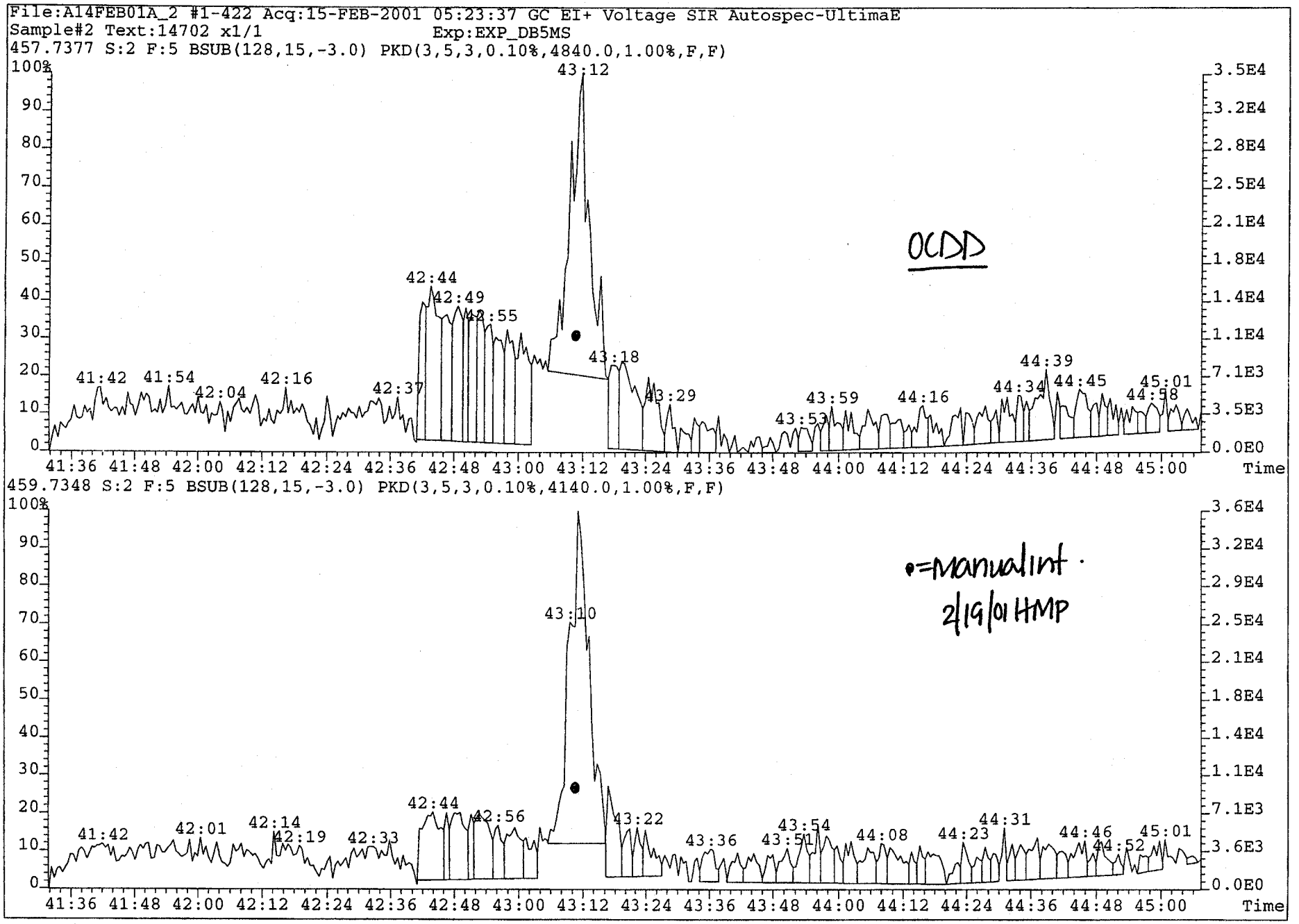

File:A14FEB01A_2 #1-233 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
355.8546 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3680.0,1.00%,F,F)
32:51
33:26
4.8E4
2.4E4
0.0E0
357.8517 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3336.0,1.00%,F,F)
32:51
33:26
1.8E4
9.2E3
0.0E0
367.8949 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,9656.0,1.00%,F,F)
33:37
1.6E7
7.8E6
0.0E0
369.8919 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3648.0,1.00%,F,F)
33:37
1.0E7
5.0E6
0.0E0
366.9792 S:2 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
2.1E7
1.1E7
0.0E0
100%
50
0
Time

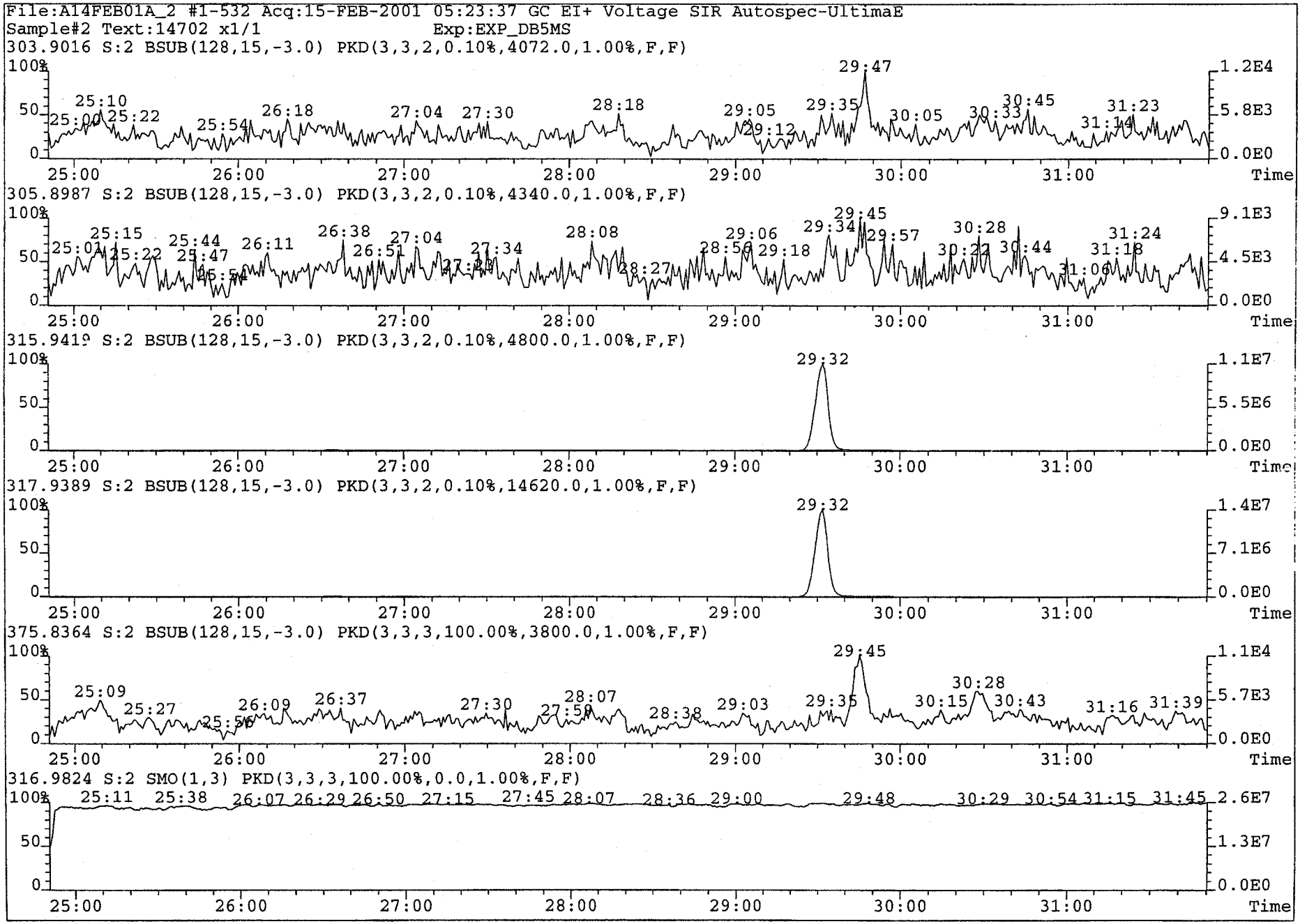

File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
389.8156 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3824.0,1.00%,F,F)
391.8127 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3200.0,1.00%,F,F)
401.8559 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4172.0,1.00%,F,F)
403.8530 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4288.0,1.00%,F,F)
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

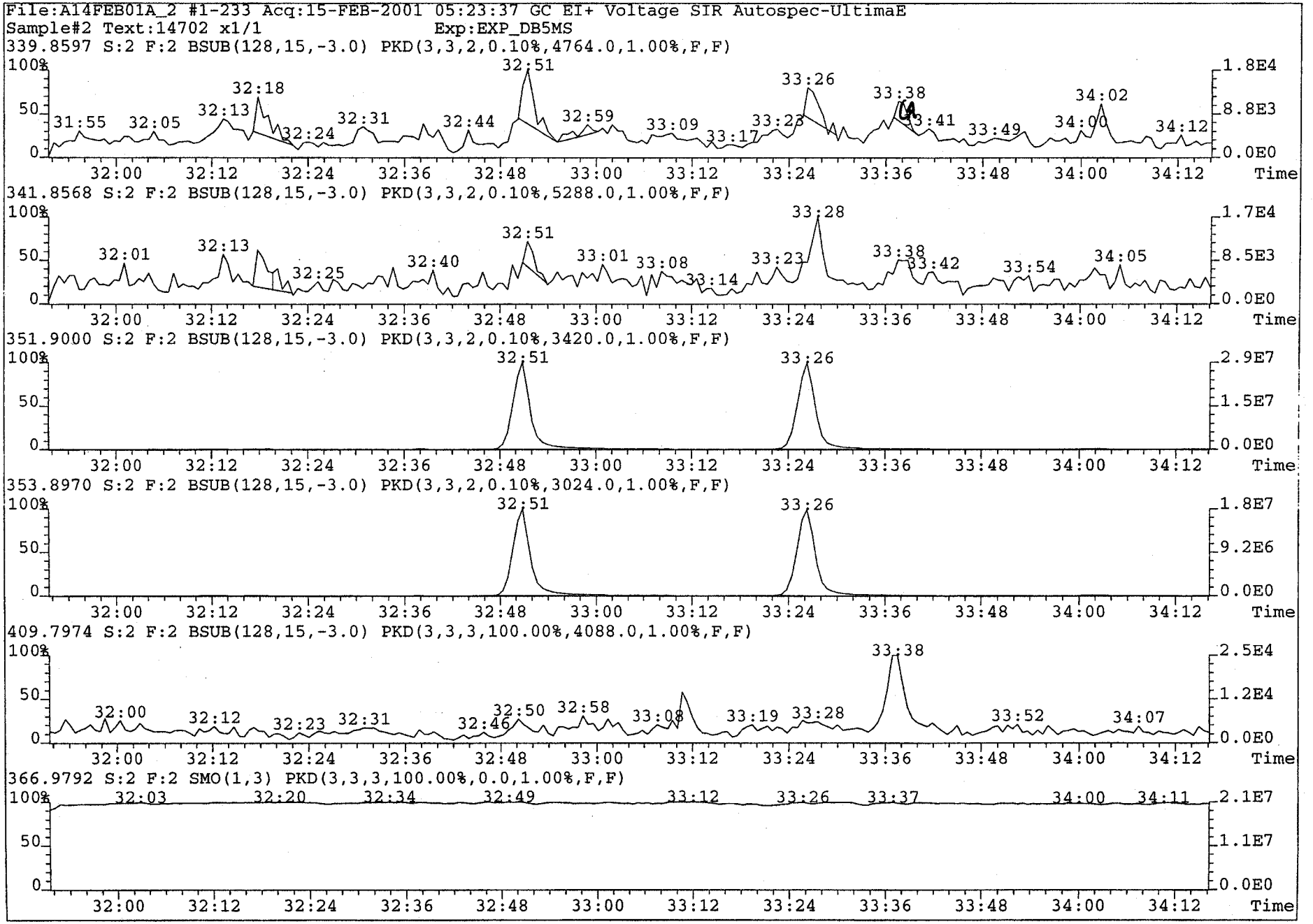

File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
423.7767 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2852.0,1.00%,F,F)
425.7737 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3124.0,1.00%,F,F)
435.8169 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,12680.0,1.00%,F,F)
437.8140 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4420.0,1.00%,F,F)
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

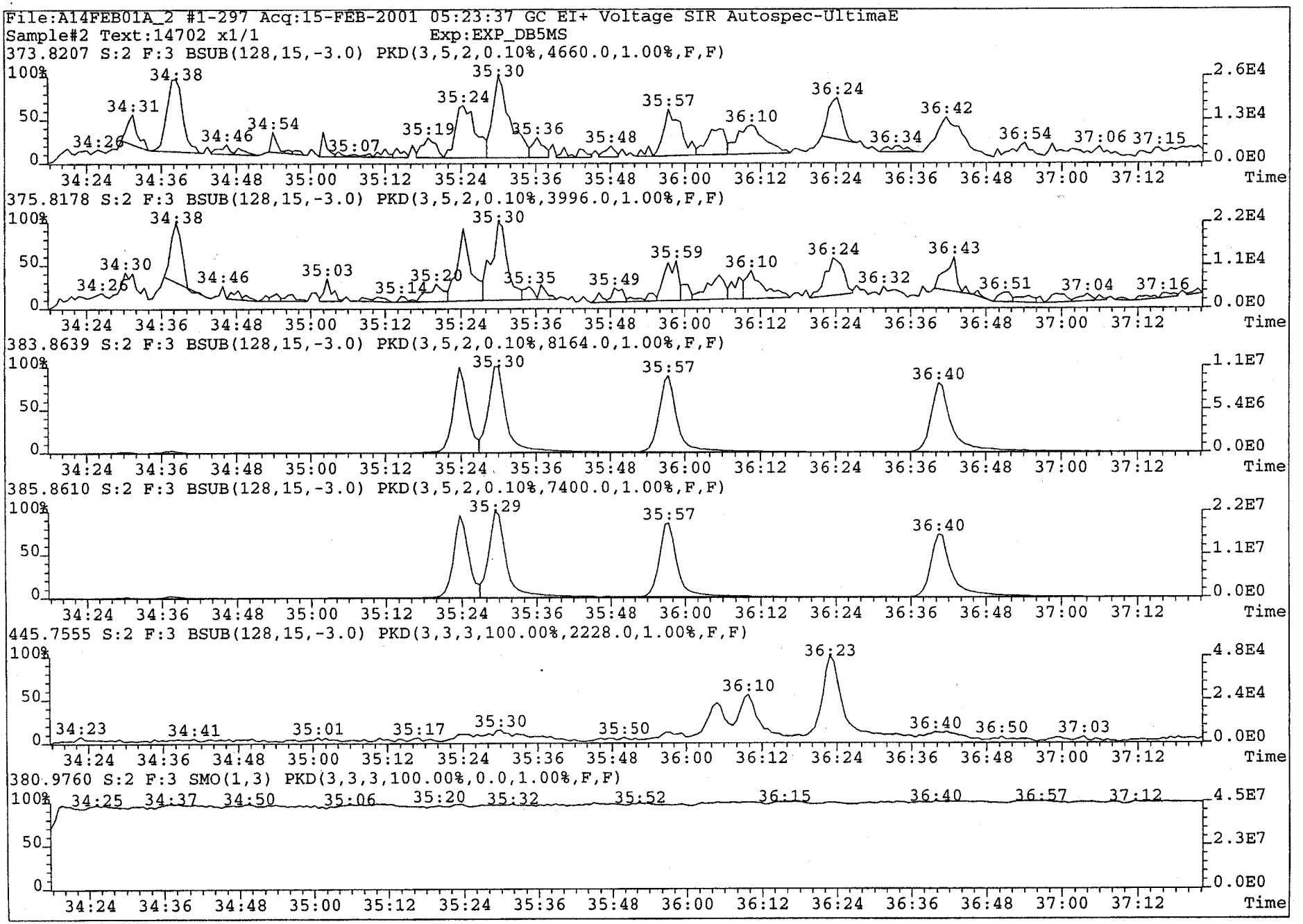

File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
423.7767 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2852.0,1.00%,F,F)
38:04
38:24
39:16
39:51
HpCDD
37:30
37:57
38:12
38:38
38:46
39:07
39:08
39:27
39:37
40:10
40:30
40:46
40:59
41:11
38:00
39:00
40:00
41:00
Time
425.7737 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3124.0,1.00%,F,F)
38:24
39:15
38:04
39:53
●=manual int.
2/19/01 HMP
37:39
38:13
38:38
38:51
39:11
39:35
40:07
40:13
40:24
40:32
40:50
40:59
41:20
38:00
39:00
40:00
41:00
Time

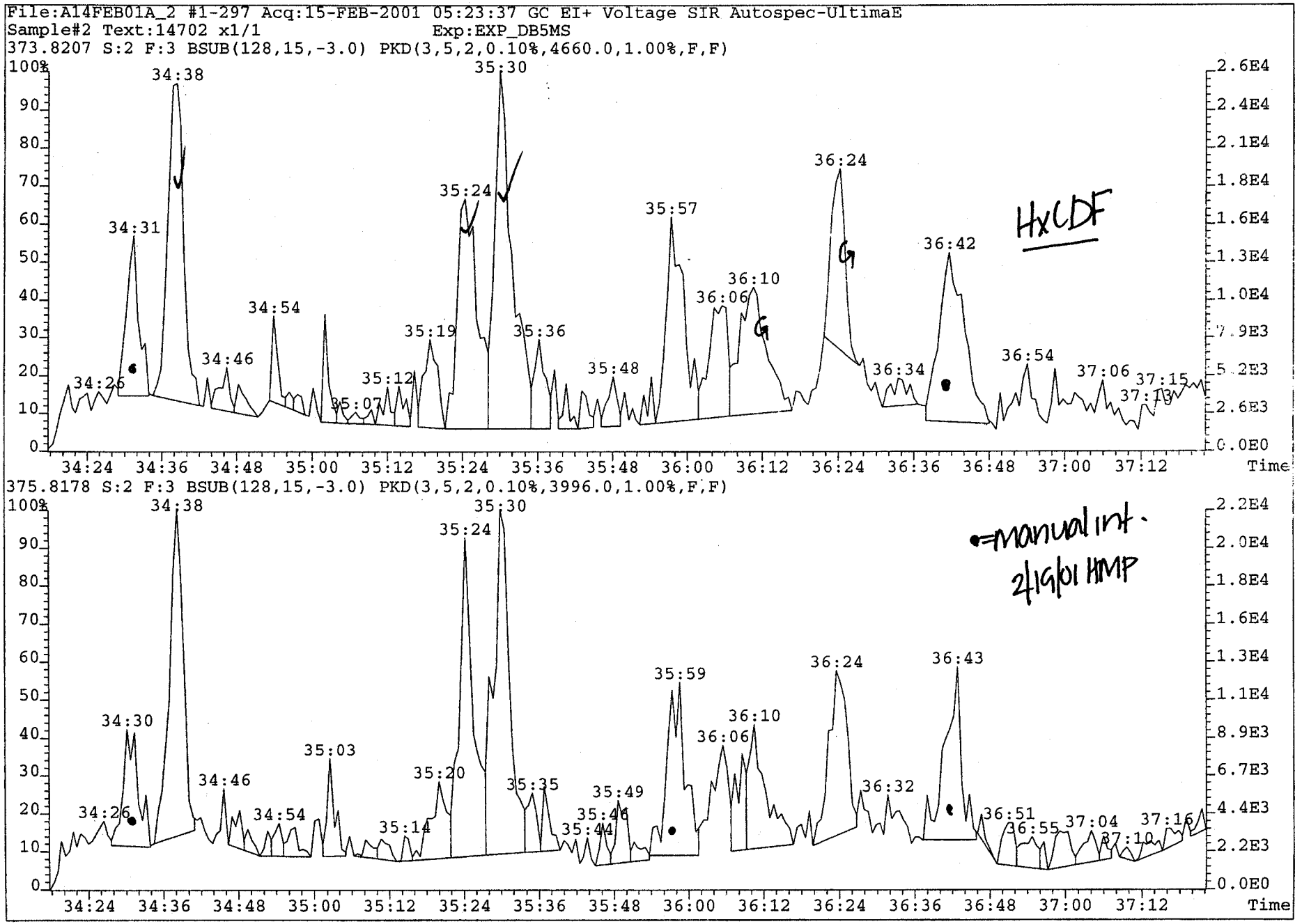

File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
457.7377 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4840.0,1.00%,F,F)
100%
50
0
3.5E4
1.8E4
0.0E0
43:12
42:44
42:55
41:42 41:54 42:16 42:37 43:18 43:29 43:59 44:16 44:27 44:39 45:01
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
459.7348 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4140.0,1.00%,F,F)
100%
50
0
3.6E4
1.8E4
0.0E0
43:10
41:42 42:01 42:14 42:33 42:44 42:56 43:22 43:36 43:54 44:08 44:31 44:46 45:01
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3772.0,1.00%,F,F)
100%
50
0
5.4E6
2.7E6
0.0E0
43:10
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3204.0,1.00%,F,F)
100%
50
0
6.9E6
3.5E6
0.0E0
43:10
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
3.6E7
1.8E7
0.0E0
41:48 42:10 42:28 42:41 42:58 43:18 43:41 43:52 44:16 44:35 44:46 44:59
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time

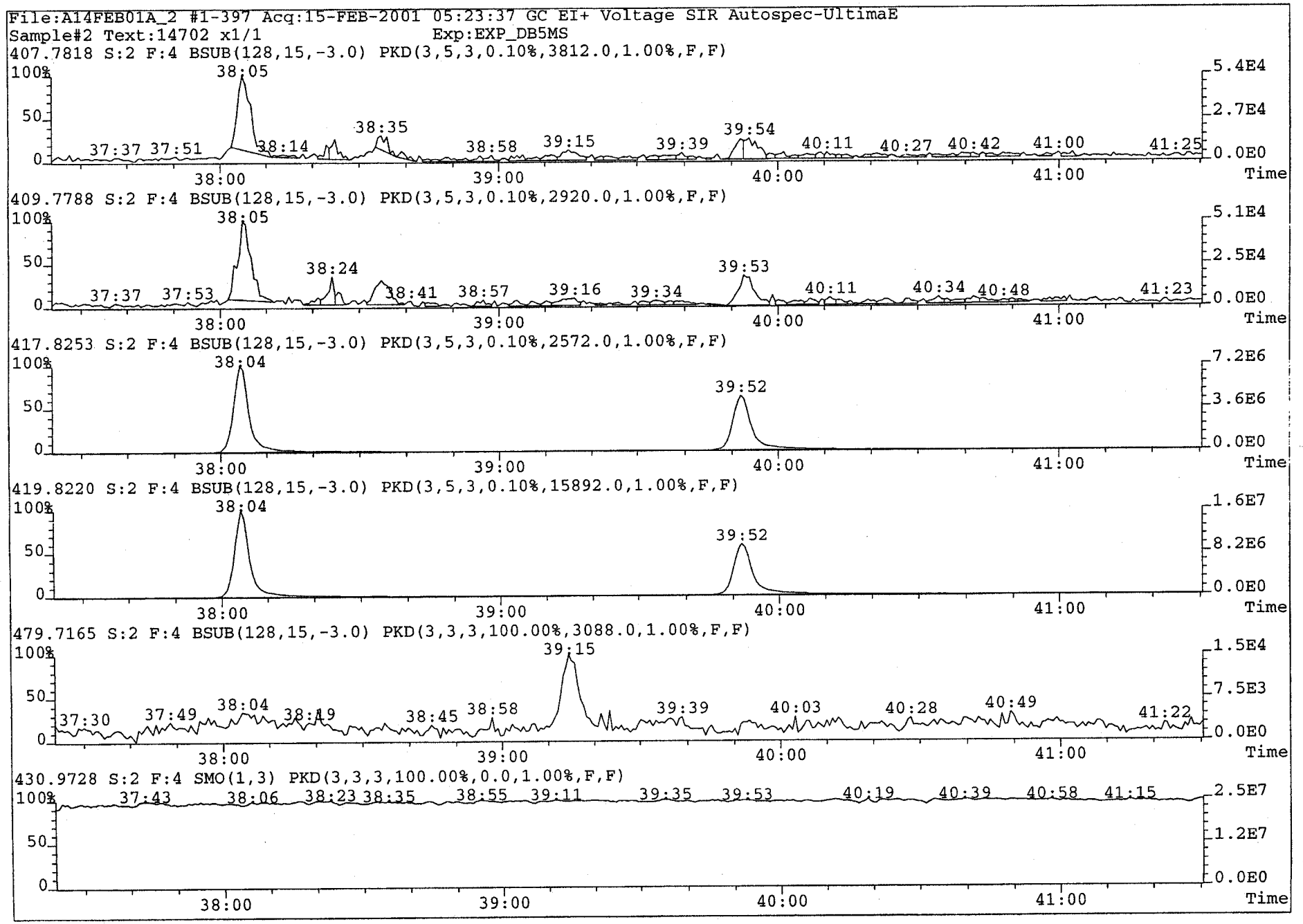

File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
457.7377 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4840.0,1.00%,F,F)
OCDD
459.7348 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4140.0,1.00%,F,F)
•=manual int.
2/19/01 HMP
Time

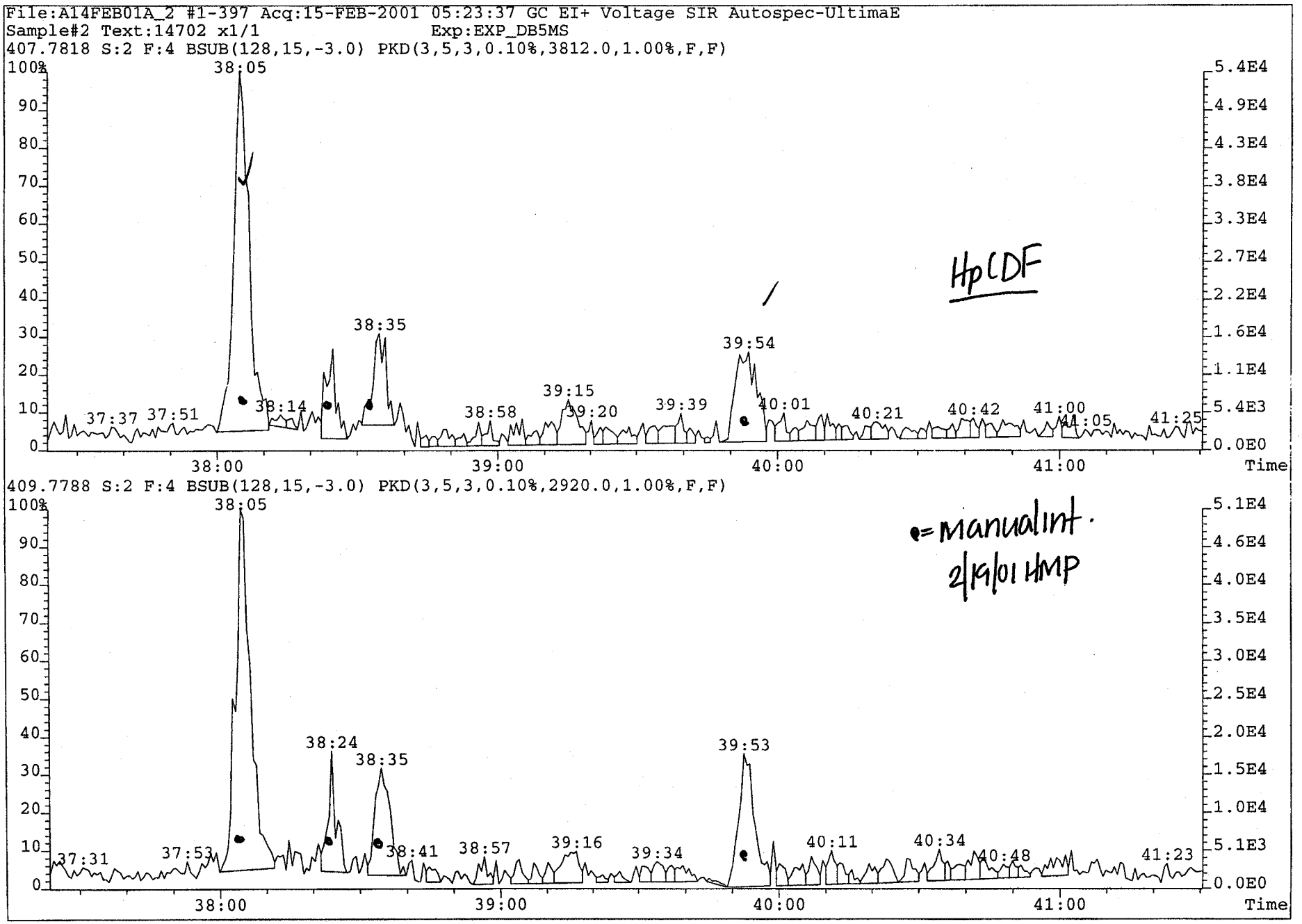

File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
303.9016 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4072.0,1.00%,F,F)
305.8987 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4340.0,1.00%,F,F)
315.9419 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4800.0,1.00%,F,F)
317.9389 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,14620.0,1.00%,F,F)
375.8364 S:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3800.0,1.00%,F,F)
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

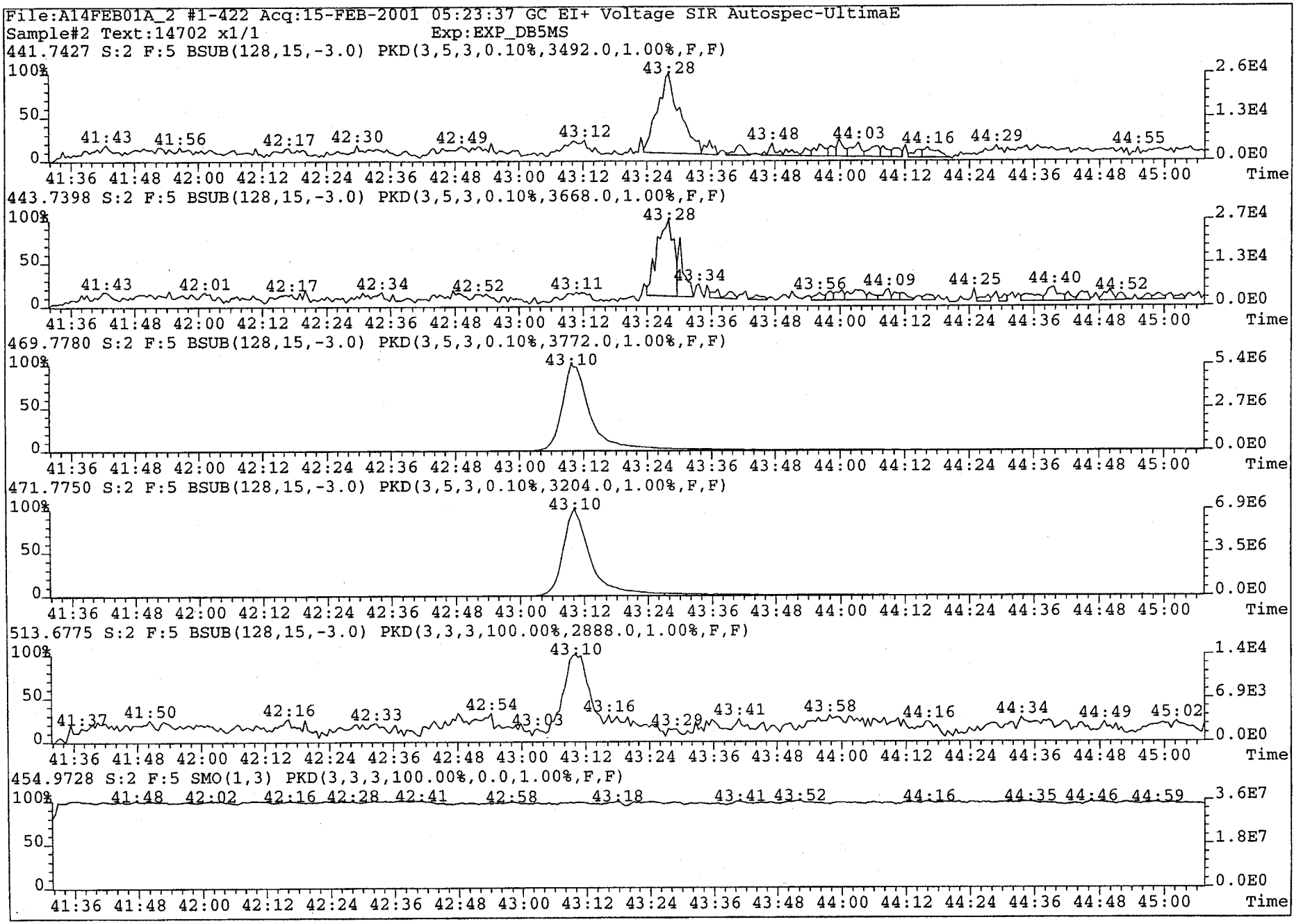

File:A14FEB01A_2 #1-233 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
339.8597 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4764.0,1.00%,F,F)
341.8568 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5288.0,1.00%,F,F)
351.9000 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3420.0,1.00%,F,F)
353.8970 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3024.0,1.00%,F,F)
409.7974 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4088.0,1.00%,F,F)
366.9792 S:2 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

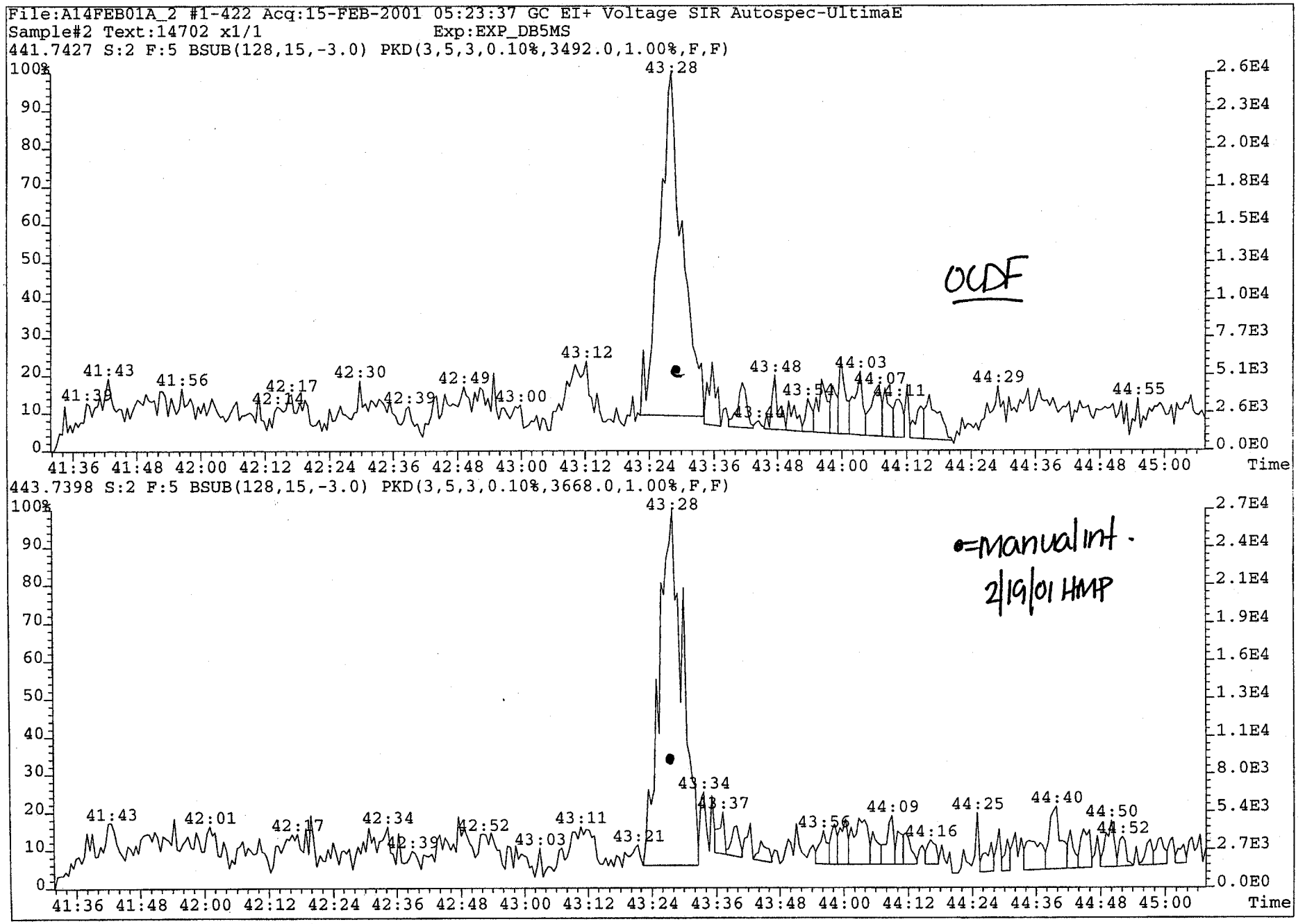

File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
373.8207 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4660.0,1.00%,F,F)
375.8178 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3996.0,1.00%,F,F)
383.8639 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8164.0,1.00%,F,F)
385.8610 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,7400.0,1.00%,F,F)
445.7555 S:2 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2228.0,1.00%,F,F)
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

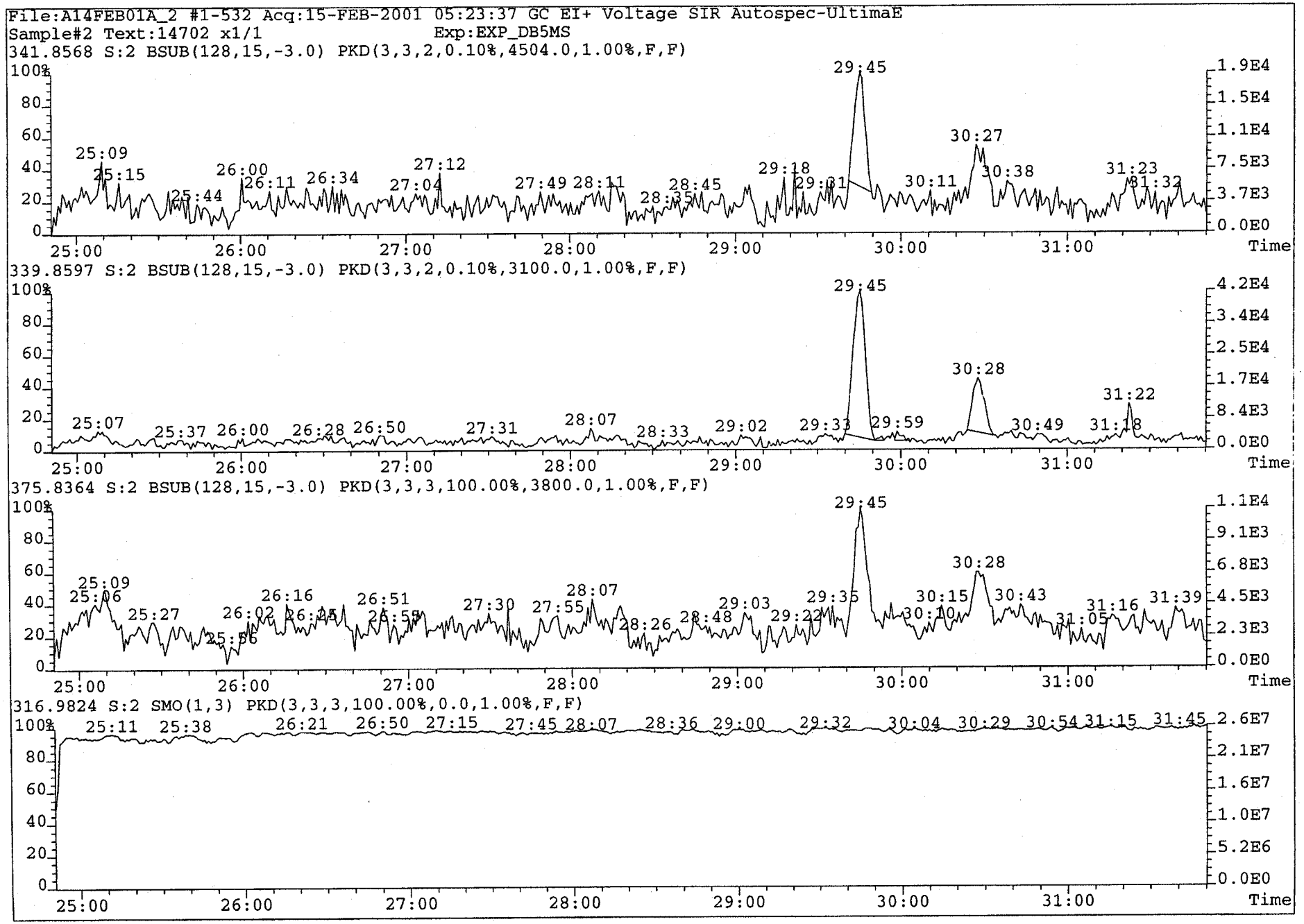

File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
373.8207 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4660.0,1.00%,F,F)
HxCDF
375.8178 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3996.0,1.00%,F,F)
•=manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
407.7818 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3812.0,1.00%,F,F)
409.7788 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2920.0,1.00%,F,F)
417.8253 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2572.0,1.00%,F,F)
419.8220 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,15892.0,1.00%,F,F)
479.7165 S:2 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3088.0,1.00%,F,F)
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
407.7818 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3812.0,1.00%,F,F)
38:05
38:35
39:54
39:15
37:37
37:51
38:14
38:58
39:20
39:39
40:01
40:21
40:42
41:00
41:05
41:25
HpCDF
409.7788 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2920.0,1.00%,F,F)
38:05
38:24
38:35
39:53
37:31
37:53
38:41
38:57
39:16
39:34
40:11
40:34
40:48
41:23
•=manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
441.7427 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3492.0,1.00%,F,F)
443.7398 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3668.0,1.00%,F,F)
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3772.0,1.00%,F,F)
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3204.0,1.00%,F,F)
513.6775 S:2 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2888.0,1.00%,F,F)
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
441.7427 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3492.0,1.00%,F,F)
OCDF
443.7398 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3668.0,1.00%,F,F)
•=manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 05:23:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:14702 x1/1 Exp:EXP_DB5MS
341.8568 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4504.0,1.00%,F,F)
339.8597 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3100.0,1.00%,F,F)
375.8364 S:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3800.0,1.00%,F,F)
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Method 1613

LF-01A/02

Delta Environmental Consultants

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	EMPC (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8--TCDD	ND	0.0035				
1,2,3,7,8-PeCDD	ND	0.0015				
1,2,3,4,7,8-HxCDD	ND	0.0027				
1,2,3,6,7,8-HxCDD	ND	0.0027				
1,2,3,7,8,9-HxCDD	ND	0.0025				
1,2,3,4,6,7,8-HpCDD	EMPC	0.0031	0.0047	39:16	1.28	
OCDD	0.0117			43:11	0.92	A
2,3,7,8--TCDF	ND	0.0019				
1,2,3,7,8-PeCDF	ND	0.0011				
2,3,4,7,8-PeCDF	ND	0.0009				
1,2,3,4,7,8-HxCDF	ND	0.0018				
1,2,3,6,7,8-HxCDF	ND	0.0017				
2,3,4,6,7,8-HxCDF	ND	0.0019				
1,2,3,7,8,9-HxCDF	ND	0.0022				
1,2,3,4,6,7,8-HpCDF	0.0042			38:05	1.09	A
1,2,3,4,7,8,9-HpCDF	EMPC	0.0017	0.0032	39:53	0.81	
OCDF	EMPC	0.0049	0.0098	43:29	0.91	
Total TCDDs	ND	0.0035				
Total PeCDDs	ND	0.0043				
Total HxCDDs	ND	0.0026				
Total HpCDDs	ND	0.0031	0.0047			
Total TCDFs	ND	0.0019				
Total PeCDFs	ND	0.0010				
Total HxCDFs	ND	0.0019				
Total HpCDFs	0.0042		0.0074			
ITEF TEQ (ND=0)	0.0001		0.0001			
ITEF TEQ (ND=½)	0.0033		0.0034			

Client Information

Project Name:	E096-007-5.0040
Sample ID:	LF-01A/02

Laboratory Information

Project ID:	G129-360
Sample ID:	14703
Collection Date/Time:	07-Feb-01 16:00
Receipt Date:	09-Feb-01
Extraction Date:	13-Feb-01
Analysis Date:	15-Feb-01

Sample Information

Matrix:	Aqueous
Weight / Volume:	502 mL
Solids / Lipids:	NA
Original pH :	5
Batch ID:	WG5267
Filename:	a14feb01a_2-3
Retchk:	a14feb01a-15
Begin ConCal:	a14feb01a-15
Initial Cal:	m1613-052699m

Method 1613

LF-01A/02

Delta Environmental Consultants

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	1	0.60	59.6	30:28	0.8	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.66	65.9	33:38	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.77	76.7	36:05	1.23	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.88	87.8	36:10	1.21	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.68	67.6	39:15	1	
$^{13}C_{12}$-OCDD	2	1.06	52.9	43:11	0.82	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.71	70.9	29:32	0.82	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.71	70.5	32:51	1.54	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.80	79.5	33:26	1.6	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.71	70.9	35:24	0.49	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.81	80.5	35:30	0.5	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.79	79.1	35:58	0.5	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.88	88.4	36:42	0.5	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.81	81.3	38:05	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.86	86.0	39:53	0.46	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.28	70.3	30:29		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:45	0.8	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.5	

Client Information

Project Name: E096-007-5.0040
Sample ID: LF-01A/02

Laboratory Information

Project ID: G129-360
Sample ID: 14703

Collection Date/Time: 07-Feb-01 16:00
Receipt Date: 09-Feb-01
Extraction Date: 13-Feb-01
Analysis Date: 15-Feb-01

Analyzed by: HMP
Date: 21Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 502 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5267

Filename: a14feb01a_2-3
Retchk: a14feb01a-15
Begin ConCal: a14feb01a-15

Initial Cal: m1613-052699m

Reviewed by: [illegible]
Date: 3/21/01

Filename ; a14feb01a_2
Sample ; 3
Acquired ; 15-FEB-01 06:11:05
Processed ; 15-FEB-01 08:35:18
Sample ID ; 14703 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-021401a_2
Comments ;

Typ	Name	Resp	Ion 1	Ion 2	RA;?;	RT	Conc	DL	S/N1;?;	S/N2;?	mod?
Unk	2,3,7,8-TCDD	*	*	*	*;n;NotFnd		*	0.1753	*;n;	*;n	no
Unk	1,2,3,7,8-PeCDD	*	*	*	*;n;NotFnd		*	0.0764	*;n;	*;n	no
Unk	1,2,3,4,7,8-HxCDD	3.41e+04	2.08e+04	1.33e+04	1.56;n;	36:05	0.054	0.1360	2;n;	2;n	no
Unk	1,2,3,6,7,8-HxCDD	7.56e+04	3.62e+04	3.94e+04	0.92;n;	36:10	0.109	0.1372	3;n;	2;n	no
Unk	1,2,3,7,8,9-HxCDD	1.34e+04	4.01e+03	9.37e+03	0.43;n;	36:27	0.018	0.1255	1;n;	1;n	no
Unk	1,2,3,4,6,7,8-HpCDD	1.25e+05	7.01e+04	5.49e+04	1.28;n;	39:16	0.236	0.1570	6;y;	5;y	yes
Unk	OCDD	2.03e+05	9.72e+04	1.06e+05	0.92;y;	43:11	0.588	0.9413	2;n;	4;y	yes
Unk	2,3,7,8-TCDF	*	*	*	*;n;NotFnd		*	0.0933	*;n;	*;n	no
Unk	1,2,3,7,8-PeCDF	2.04e+04	1.37e+04	6.67e+03	2.05;n;	32:51	0.019	0.0551	2;n;	1;n	no
Unk	2,3,4,7,8-PeCDF	2.91e+04	2.20e+04	7.13e+03	3.09;n;	33:27	0.024	0.0468	2;n;	2;n	no
Unk	1,2,3,4,7,8-HxCDF	7.28e+04	3.46e+04	3.82e+04	0.91;n;	35:24	0.078	0.0895	3;n;	4;y	yes
Unk	1,2,3,6,7,8-HxCDF	8.99e+04	5.19e+04	3.80e+04	1.36;y;	35:30	0.081	0.0874	3;y;	4;y	yes
Unk	2,3,4,6,7,8-HxCDF	8.78e+04	4.50e+04	4.28e+04	1.05;n;	35:57	0.090	0.0959	3;n;	3;y	yes
Unk	1,2,3,7,8,9-HxCDF	*	*	*	*;n;NotFnd		*	0.1091	*;n;	*;n	no
Unk	1,2,3,4,6,7,8-HpCDF	2.11e+05	1.10e+05	1.01e+05	1.09;y;	38:05	0.210	0.0611	10;y;	14;y	yes
Unk	1,2,3,4,7,8,9-HpCDF	1.39e+05	6.22e+04	7.65e+04	0.81;n;	39:53	0.159	0.0843	4;y;	7;y	yes
Unk	OCDF	2.08e+05	9.92e+04	1.09e+05	0.91;y;	43:29	0.492	0.2451	7;y;	8;y	yes
ES/RT	13C-2,3,7,8-TCDD	6.49e+07	2.89e+07	3.60e+07	0.80;y;	30:28	29.819	0.0676	1000;y;	1737;y	no
ES	13C-1,2,3,7,8-PeCDD	6.04e+07	3.70e+07	2.35e+07	1.57;y;	33:38	32.959	0.0931	1653;y;	3307;y	no
ES	13C-1,2,3,4,7,8-HxCDD	5.60e+07	3.08e+07	2.52e+07	1.23;y;	36:05	38.364	0.0651	2242;y;	1954;y	no
ES	13C-1,2,3,6,7,8-HxCDD	7.13e+07	3.90e+07	3.23e+07	1.21;y;	36:10	43.898	0.0585	2581;y;	2290;y	no
ES	13C-1,2,3,4,6,7,8-HpCDD	5.27e+07	2.63e+07	2.63e+07	1.00;y;	39:15	33.805	0.0555	1247;y;	1887;y	no
ES	13C-OCDD	6.41e+07	2.89e+07	3.52e+07	0.82;y;	43:11	52.849	0.0619	1251;y;	2005;y	no
ES/RT	13C-2,3,7,8-TCDF	1.09e+08	4.94e+07	6.00e+07	0.82;y;	29:32	35.443	0.0803	2351;y;	1005;y	no
ES	13C-1,2,3,7,8-PeCDF	9.96e+07	6.04e+07	3.92e+07	1.54;y;	32:51	35.273	0.0313	8994;y;	5273;y	no
ES	13C-2,3,4,7,8-PeCDF	1.06e+08	6.54e+07	4.09e+07	1.60;y;	33:26	39.749	0.0331	9837;y;	5699;y	no
ES	13C-1,2,3,4,7,8-HxCDF	7.52e+07	2.47e+07	5.05e+07	0.49;y;	35:24	35.449	0.0744	1015;y;	2780;y	no
ES	13C-1,2,3,6,7,8-HxCDF	9.20e+07	3.06e+07	6.14e+07	0.50;y;	35:30	40.241	0.0690	1096;y;	2869;y	no
ES	13C-2,3,4,6,7,8-HxCDF	8.46e+07	2.82e+07	5.64e+07	0.50;y;	35:58	39.528	0.0737	1067;y;	2675;y	no
ES	13C-1,2,3,7,8,9-HxCDF	7.80e+07	2.62e+07	5.18e+07	0.50;y;	36:42	44.198	0.0895	837;y;	2160;y	no
ES	13C-1,2,3,4,6,7,8-HpCDF	6.88e+07	2.14e+07	4.74e+07	0.45;y;	38:05	40.660	0.1167	644;y;	1278;y	no
ES	13C-1,2,3,4,7,8,9-HpCDF	5.99e+07	1.90e+07	4.10e+07	0.46;y;	39:53	42.988	0.1415	461;y;	954;y	no
JS	13C-1,2,3,4-TCDD	2.05e+08	9.14e+07	1.14e+08	0.80;y;	29:45	101.388	-	3186;y;	5577;y	no
JS	13C-1,2,3,7,8,9-HxCDD	1.70e+08	9.20e+07	7.83e+07	1.18;y;	36:24	103.296	-	5519;y;	5215;y	no
CS	37Cl-2,3,7,8-TCDD	3.39e+07	3.39e+07	-	-;-;	30:29	14.063	0.0325	1288;y		no

	Conc	Empc	Flags
TCDF	0	0	FALSE
TCDD	0	0	FALSE
PeCDF	0	0	FALSE
PeCDD	0	0	FALSE
HxCDF	0	0	FALSE
HxCDD	0	0	FALSE
HpCDF	0.21	0.369	TRUE
HpCDD	0	0.236	TRUE

Filename:	a14feb01a_2	Name of Homolog Group:	Total Tetra-Furans
Sample:	3	Number of Peaks Found:	2
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.1266
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.0933
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	25:06:00
Results Table:	m1613-021401a_2	End Window:	31:42:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.16E+04	5950	5650	1.05	n	25:23	0.009	S2N	1.3	n	0.9	n	n
	2	8.37E+03	2480	5890	0.42	n	25:26	0.007	S2N	0.4	n	0.8	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	3	Number of Peaks Found:	0
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.181
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.1753
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-021401a_2	End Window:	

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	3	Number of Peaks Found:	1
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.096
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.0491
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-021401a_2	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.38E+05	47700	190000	0.25	n	29:45	0.211	RT	3.3	y	11.1	y	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn2
Sample:	3	Number of Peaks Found:	2
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.096
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.0508
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:08:00
Results Table:	m1613-021401a_2	End Window:	34:14:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,7,8-PeCDF	1	2.04E+04	13700	6670	2.05	n	32:51	0.019	S2N	2.3	n	1.3	n	n
2,3,4,7,8-PeCDF	2	2.91E+04	22000	7130	3.09	n	33:27	0.024	S2N	2.4	n	1.5	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Penta-Dioxins
Sample:	3	Number of Peaks Found:	2
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.0298
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.214
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	32:15:00
Results Table:	m1613-021401a_2	End Window:	33:59:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.05E+05	76100	29300	2.6	n	32:51	0	CF	10.6	y	5.2	y	n
	2	1.33E+05	88100	45100	1.95	n	33:26	0	CF	13	y	6	y	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Hexa-Furans
Sample:	3	Number of Peaks Found:	5
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.2111
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.0958
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:21:00
Results Table:	m1613-021401a_2	End Window:	36:53:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	8.02E+04	34100	46100	0.74	n	34:38	0.08	S2N	2.6	n	4.5	y	y
1,2,3,4,7,8-HxCDF	2	7.28E+04	34600	38200	0.91	n	35:24	0.078	S2N	2.7	n	3.8	y	y
1,2,3,6,7,8-HxCDF	3	8.99E+04	51900	38000	1.36	y	35:30	0.081	S2N	3.1	y	4	y	y
2,3,4,6,7,8-HxCDF	4	8.78E+04	45000	42800	1.05	n	35:57	0.09	S2N	2.8	n	3.2	y	y
	5	4.95E+04	31300	18200	1.72	n	36:24	0.05	S2N	2.4	n	1.6	n	n

Filename:	a14feb01a_2	Name of Homolog Group:	Total Hexa-Dioxins
Sample:	3	Number of Peaks Found:	16

Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.0787
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.1322
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:49:00
Results Table:	m1613-021401a_2	End Window:	36:29:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	9.76E+04	81400	16200	5.03	n	35:24	0.142	S2N	6.4	y	1.9	n	n
	2	1.60E+05	123000	37400	3.29	n	35:30	0.234	S2N	7	y	2.3	n	n
	3	7.00E+03	3080	3920	0.78	n	35:42	0.01	S2N	0.5	n	0.5	n	n
	4	1.53E+04	5340	10000	0.53	n	35:46	0.022	S2N	0.4	n	0.8	n	n
	5	5.70E+03	2370	3330	0.71	n	35:50	0.008	S2N	0.4	n	0.3	n	n
	6	5.42E+03	2090	3330	0.63	n	35:53	0.008	S2N	0.3	n	0.3	n	n
	7	1.38E+05	100000	38400	2.6	n	35:57	0.202	S2N	6.7	y	2.8	n	n
1,2,3,4,7,8-HxCDD	8	3.41E+04	20800	13300	1.56	n	36:05	0.054	S2N	2.1	n	1.8	n	n
1,2,3,6,7,8-HxCDD	9	7.56E+04	36200	39400	0.92	n	36:10	0.109	S2N	2.8	n	2.3	n	n
	10	1.19E+04	1900	9950	0.19	n	36:17	0.017	S2N	0.4	n	0.6	n	n
	11	1.28E+04	2810	9950	0.28	n	36:18	0.019	S2N	0.5	n	0.6	n	n
	12	5.86E+04	27100	31500	0.86	n	36:23	0.085	S2N	1.7	n	2	n	n
1,2,3,7,8,9-HxCDD	13	1.34E+04	4010	9370	0.43	n	36:27	0.018	S2N	0.6	n	1.1	n	n
	14	6.62E+03	2210	4410	0.5	n	36:31	0.01	RT	0.3	n	0.6	n	n
	15	7.42E+03	1330	6080	0.22	n	36:35	0.011	RT	0.2	n	0.6	n	n
	16	1.10E+05	75300	35100	2.14	n	36:40	0.161	RT	5.2	y	2.2	n	n

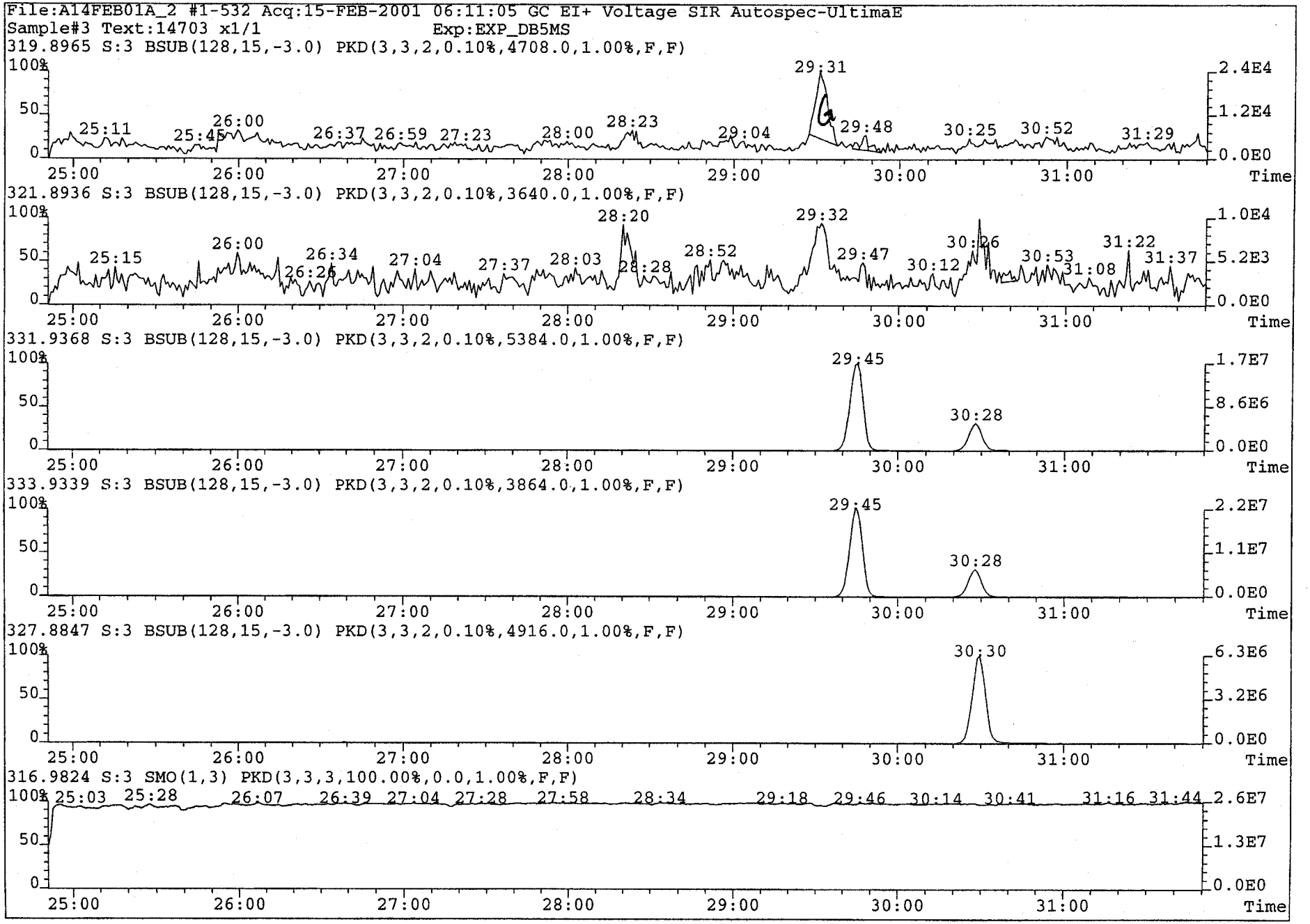
Filename:	a14feb01a_2	Name of Homolog Group:	Total Hepta-Furans
Sample:	3	Number of Peaks Found:	28
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.4605
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.0719
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	37:54:00
Results Table:	m1613-021401a_2	End Window:	40:03:00

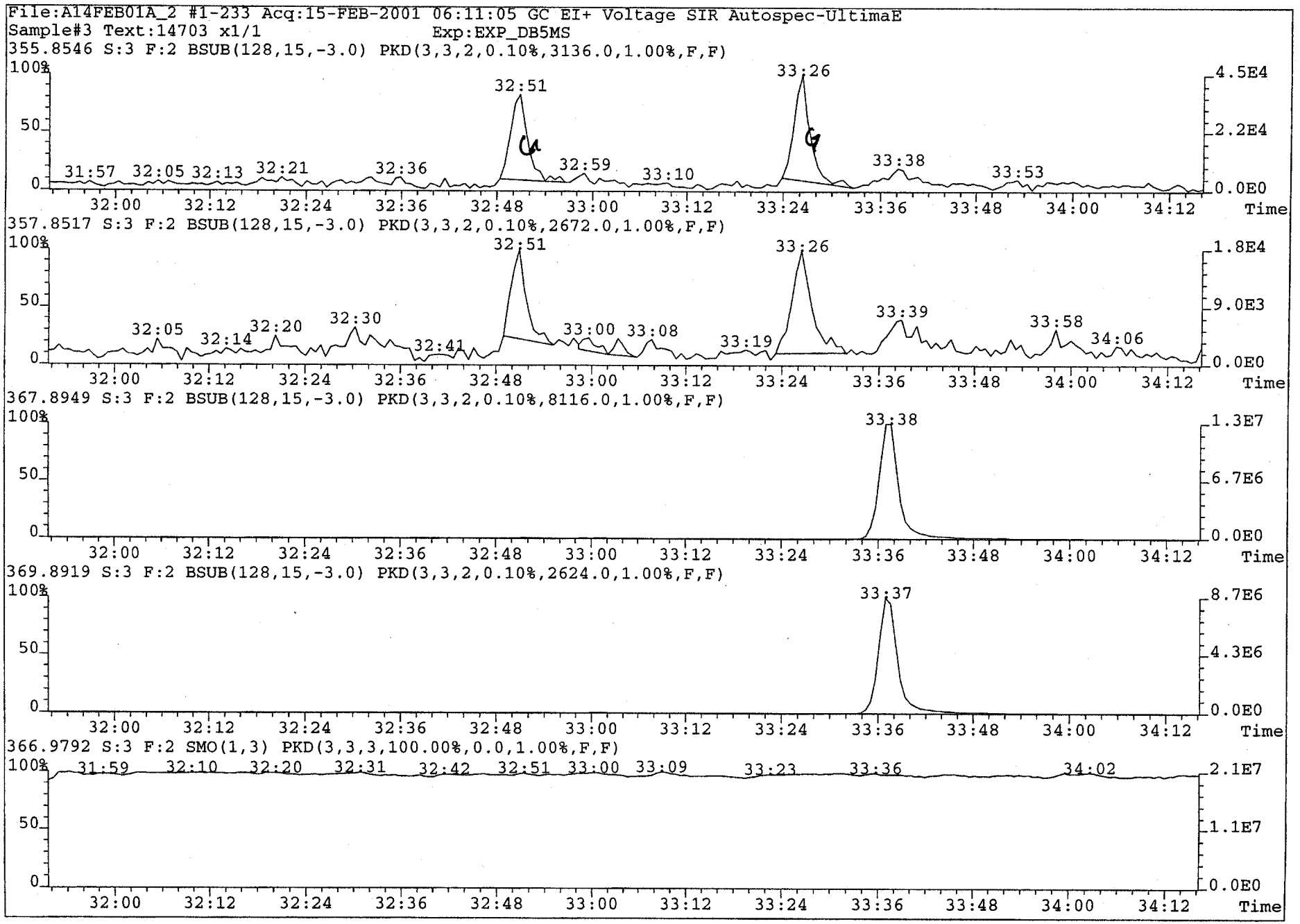
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,6,7,8-HpCDI	1	2.11E+05	110000	101000	1.09	y	38:05	0.21	OK	10.4	y	14.5	y	y
	2	1.05E+04	3530	6960	0.51	n	38:17	0.011	S2N	0.4	n	1.2	n	n
	3	2.54E+04	6250	19100	0.33	n	38:24	0.027	S2N	1.1	n	3.5	y	n
	4	2.51E+04	5990	19100	0.31	n	38:26	0.027	S2N	1.4	n	3.5	y	n
	5	6.15E+04	26000	35500	0.73	n	38:35	0.065	S2N	3.5	y	4.9	y	n
	6	1.65E+04	11500	4960	2.32	n	38:39	0.018	S2N	1.4	n	1.5	n	n
	7	7.99E+03	1920	6070	0.32	n	38:47	0.009	S2N	0.4	n	1.2	n	n
	8	1.11E+04	4970	6130	0.81	n	38:54	0.012	S2N	0.7	n	1	n	n
	9	7.58E+03	4780	2790	1.71	n	38:57	0.008	S2N	0.8	n	1.1	n	n
	10	1.57E+04	6710	9020	0.74	n	39:00	0.017	S2N	0.8	n	1.4	n	n
	11	7.92E+03	3110	4810	0.65	n	39:05	0.008	S2N	0.6	n	0.9	n	n
1,2,3,4,7,8,9-HpCDI	12	1.39E+05	62200	76500	0.81	n	39:53	0.159	EMPC	4.3	y	7.2	y	y
	13	1.02E+04	4460	5700	0.78	n	40:06	0.011	RT	0.7	n	1.2	n	n
	14	1.01E+04	5840	4260	1.37	n	40:11	0.011	RT	1	n	1.3	n	n
	15	1.19E+04	5490	6400	0.86	n	40:14	0.013	RT	0.8	n	1.1	n	n

16	6.44E+03	4730	1710	2.77	n	40:19	0.007	RT	0.7	n	0.5	n	n
17	1.76E+04	10200	7320	1.4	n	40:24	0.019	RT	1.3	n	1.5	n	n
18	1.65E+04	9470	7050	1.34	n	40:39	0.018	RT	0.7	n	1.1	n	n
19	1.42E+04	2740	11400	0.24	n	40:43	0.015	RT	0.9	n	1.5	n	n
20	1.15E+04	8520	2970	2.87	n	40:46	0.012	RT	1.2	n	0.7	n	n
21	7.95E+03	2900	5050	0.57	n	40:51	0.008	RT	0.7	n	1.2	n	n
22	1.30E+04	6490	6550	0.99	y	40:54	0.014	RT	0.7	n	1.2	n	n
23	9.84E+03	4100	5740	0.71	n	40:57	0.01	RT	0.9	n	1.2	n	n
24	1.43E+04	7880	6470	1.22	n	41:01	0.015	RT	1	n	1	n	n
25	1.41E+04	7000	7100	0.99	y	41:05	0.015	RT	1	n	1.2	n	n
26	1.02E+04	4770	5410	0.88	n	41:09	0.011	RT	0.9	n	1.1	n	n
27	1.03E+04	5350	4940	1.08	y	41:12	0.011	RT	0.7	n	1	n	n
28	1.29E+04	2420	10500	0.23	n	41:15	0.014	RT	0.5	n	1.7	n	n

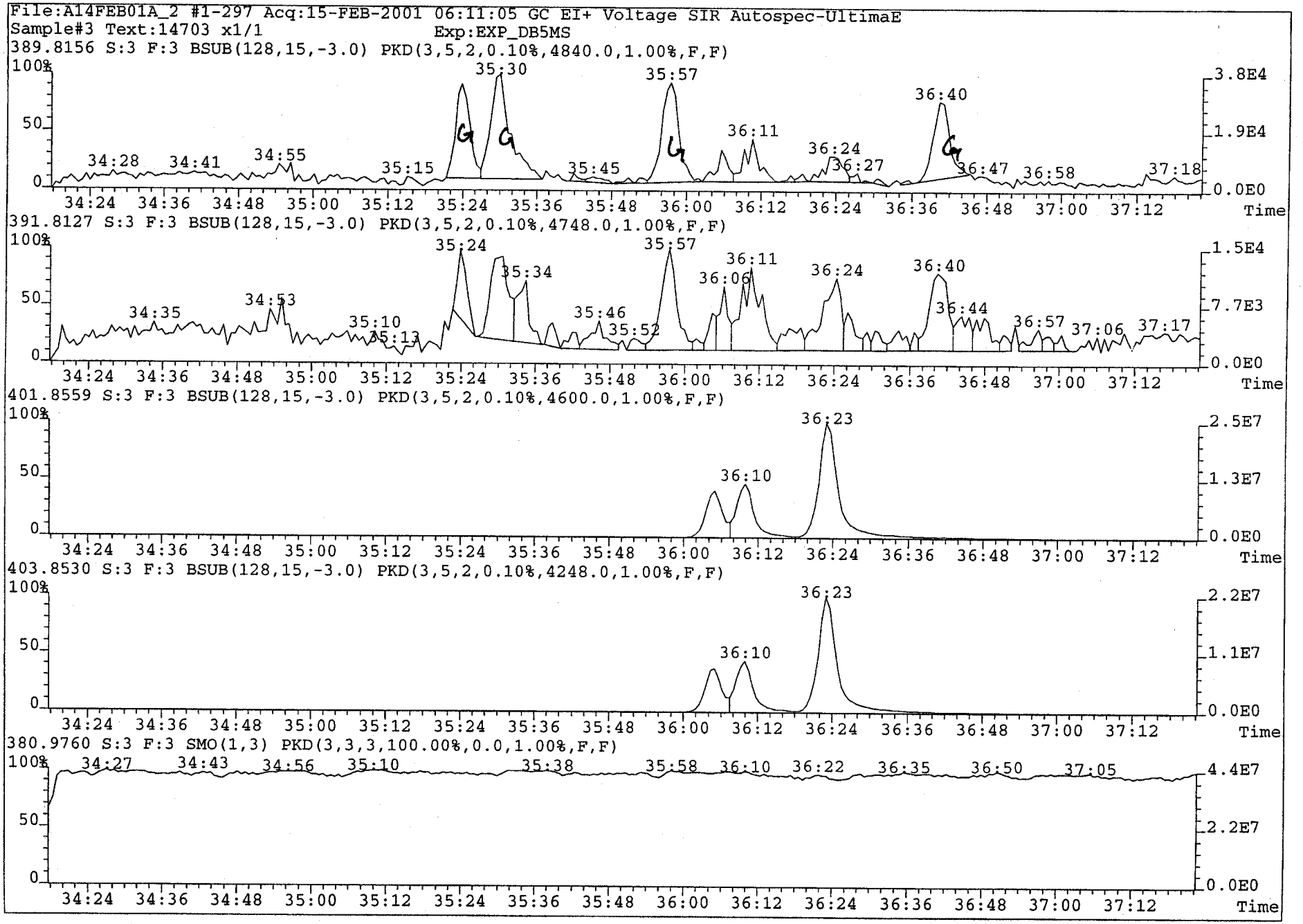
Filename:	a14feb01a_2	Name of Homolog Group:	Total Hepta-Dioxins
Sample:	3	Number of Peaks Found:	5
Acquired:	15-FEB-01 06:11:05	RRF Used For Totals:	1.0066
Processed:	15-FEB-01 08:35:18	Detection Limit:	0.157
Sample ID:	14703 x1/1		
Cal Table:	m1613-052699m	Begin Window:	38:14:00
Results Table:	m1613-021401a_2	End Window:	38:34:00

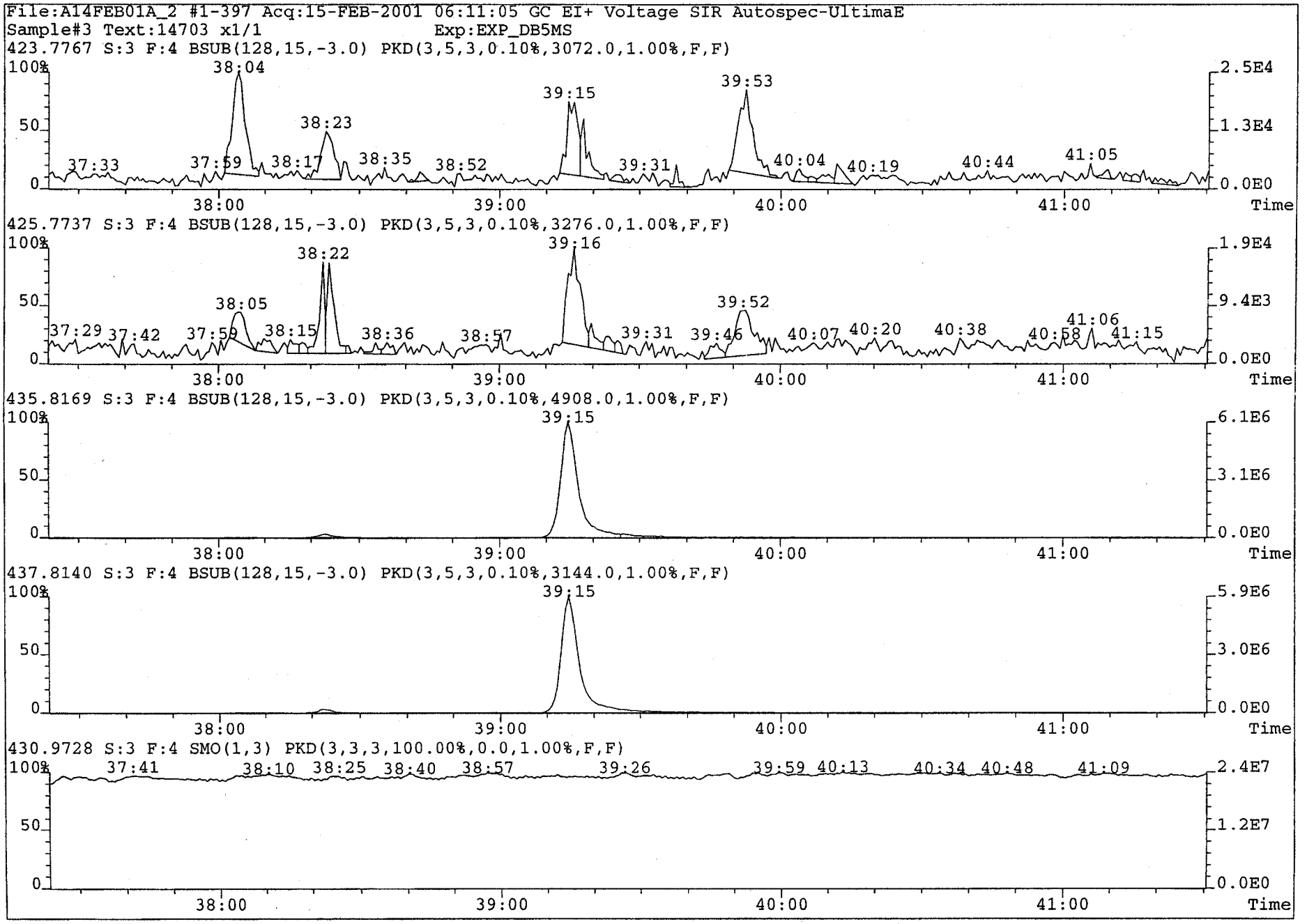
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	8.71E+04	72000	15100	4.77	n	38:04	0.164	RT		7.2	y	1.5	n n
	2	6.41E+04	30300	33800	0.9	y	38:23	0.121	S2N		3.3	y	4.2	y y
1,2,3,4,6,7,8-HpCDI	3	1.25E+05	70100	54900	1.28	n	39:16	0.236	~~RT~~ de	empl	5.6	y	4.9	y y
	4	6.31E+03	3650	2660	1.37	n	39:25	0.012	RT		0.5	n	0.6	n n
	5	9.73E+04	63100	34200	1.84	n	39:53	0.183	RT		5.9	y	2.2	n n

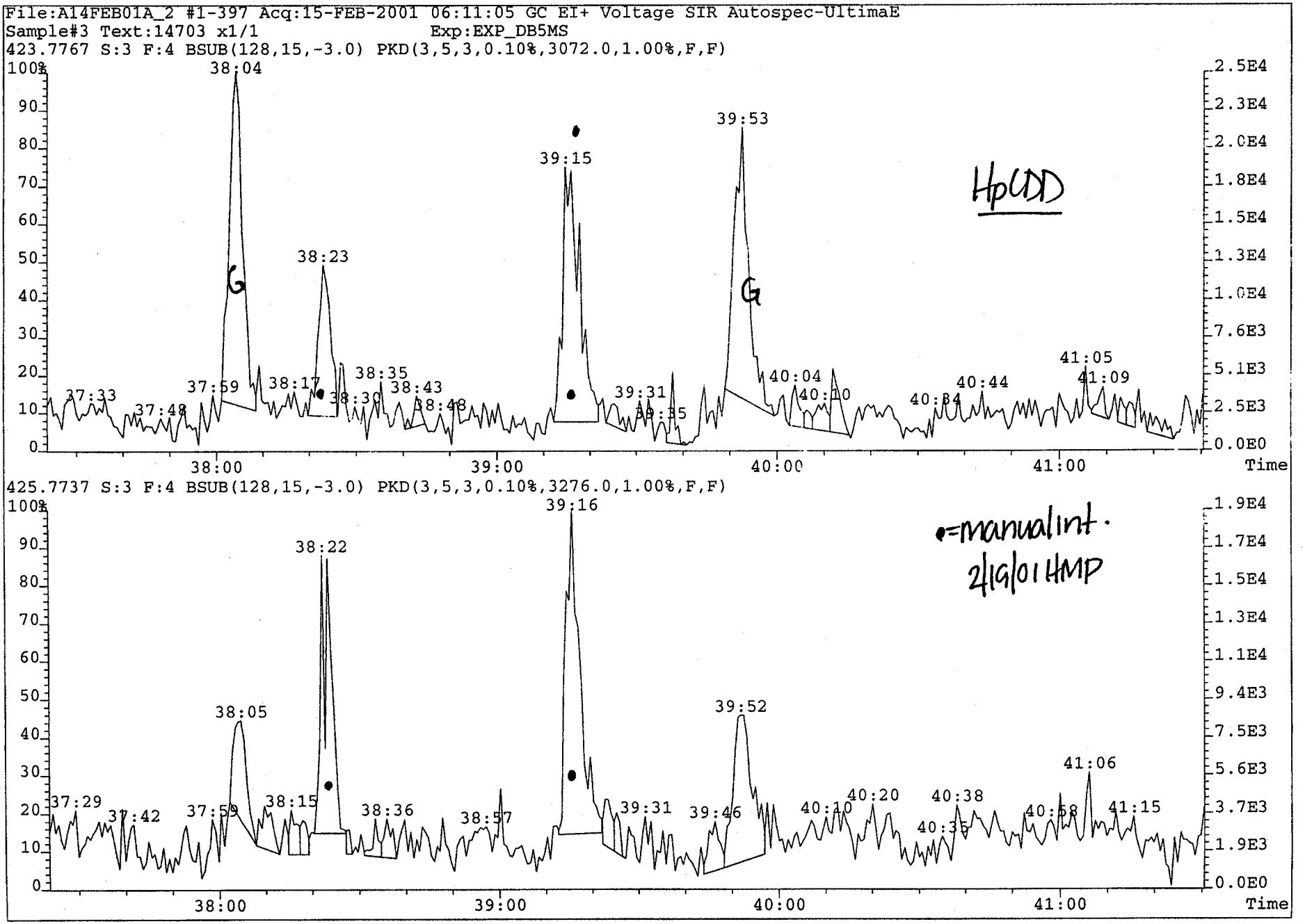

File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
319.8965 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4708.0,1.00%,F,F)
321.8936 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3640.0,1.00%,F,F)
331.9368 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5384.0,1.00%,F,F)
333.9339 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3864.0,1.00%,F,F)
327.8847 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4916.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

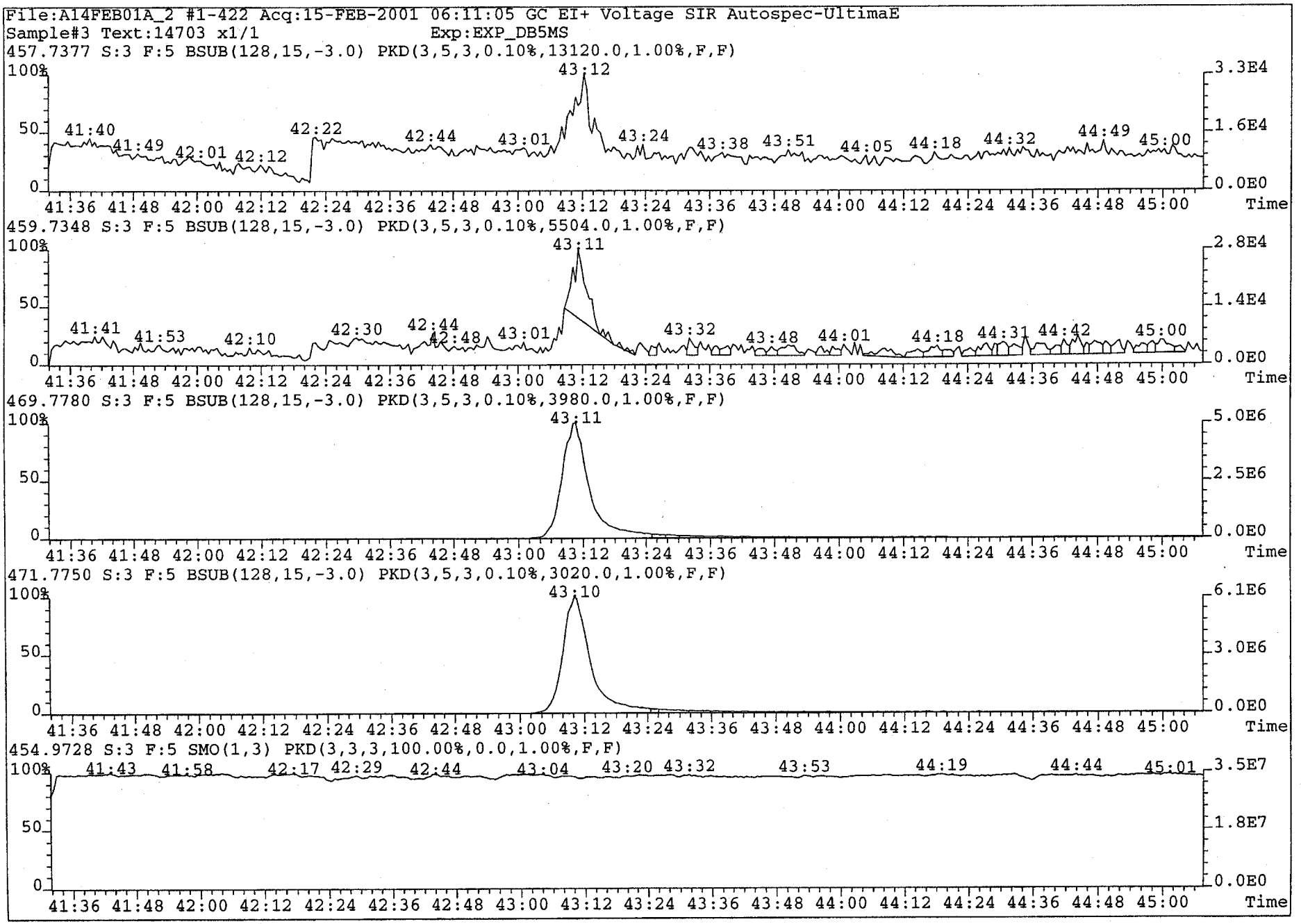

File:A14FEB01A_2 #1-233 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
355.8546 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3136.0,1.00%,F,F)
32:51
33:26
357.8517 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2672.0,1.00%,F,F)
32:51
33:26
367.8949 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,8116.0,1.00%,F,F)
33:38
369.8919 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2624.0,1.00%,F,F)
33:37
366.9792 S:3 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

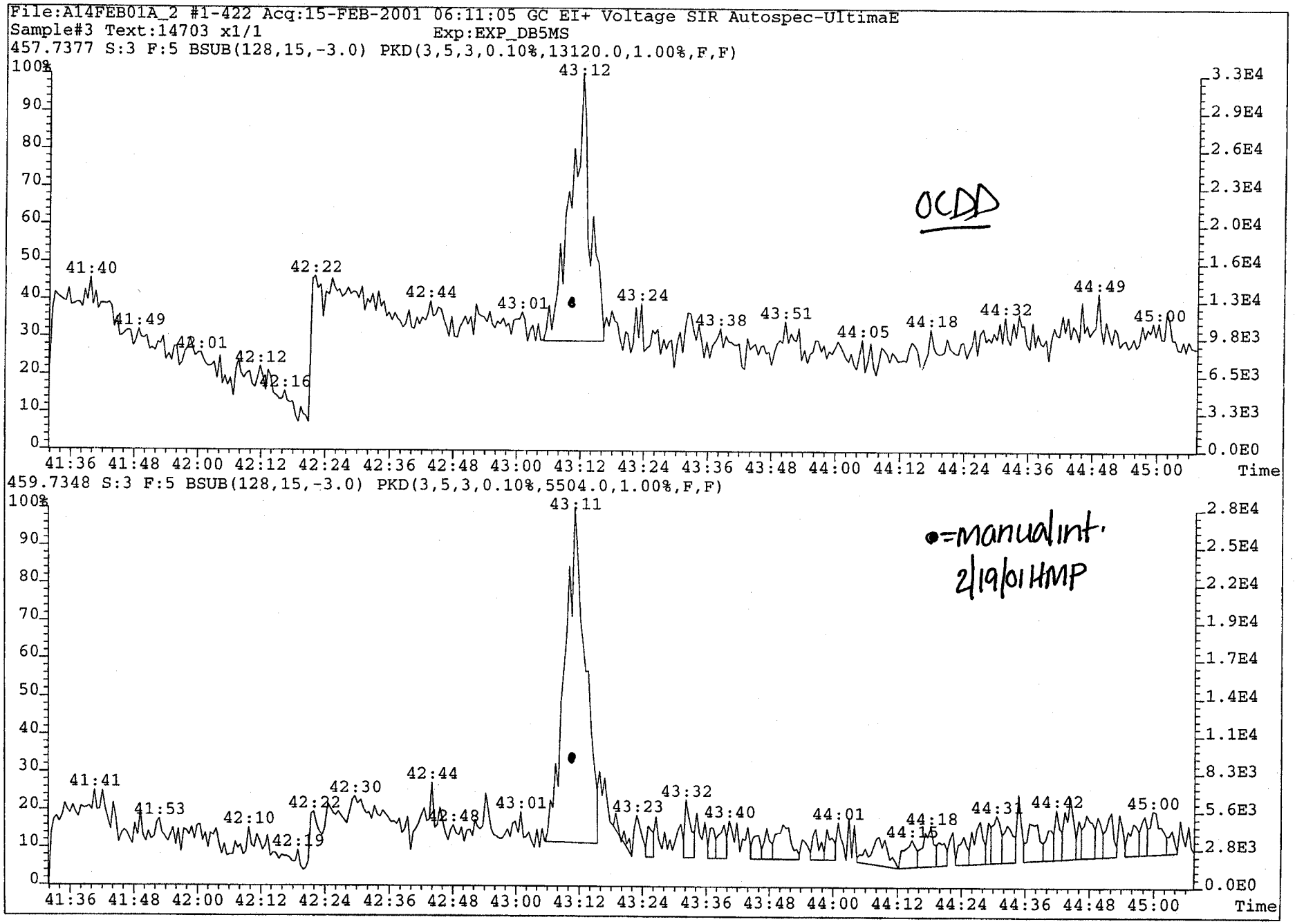
69

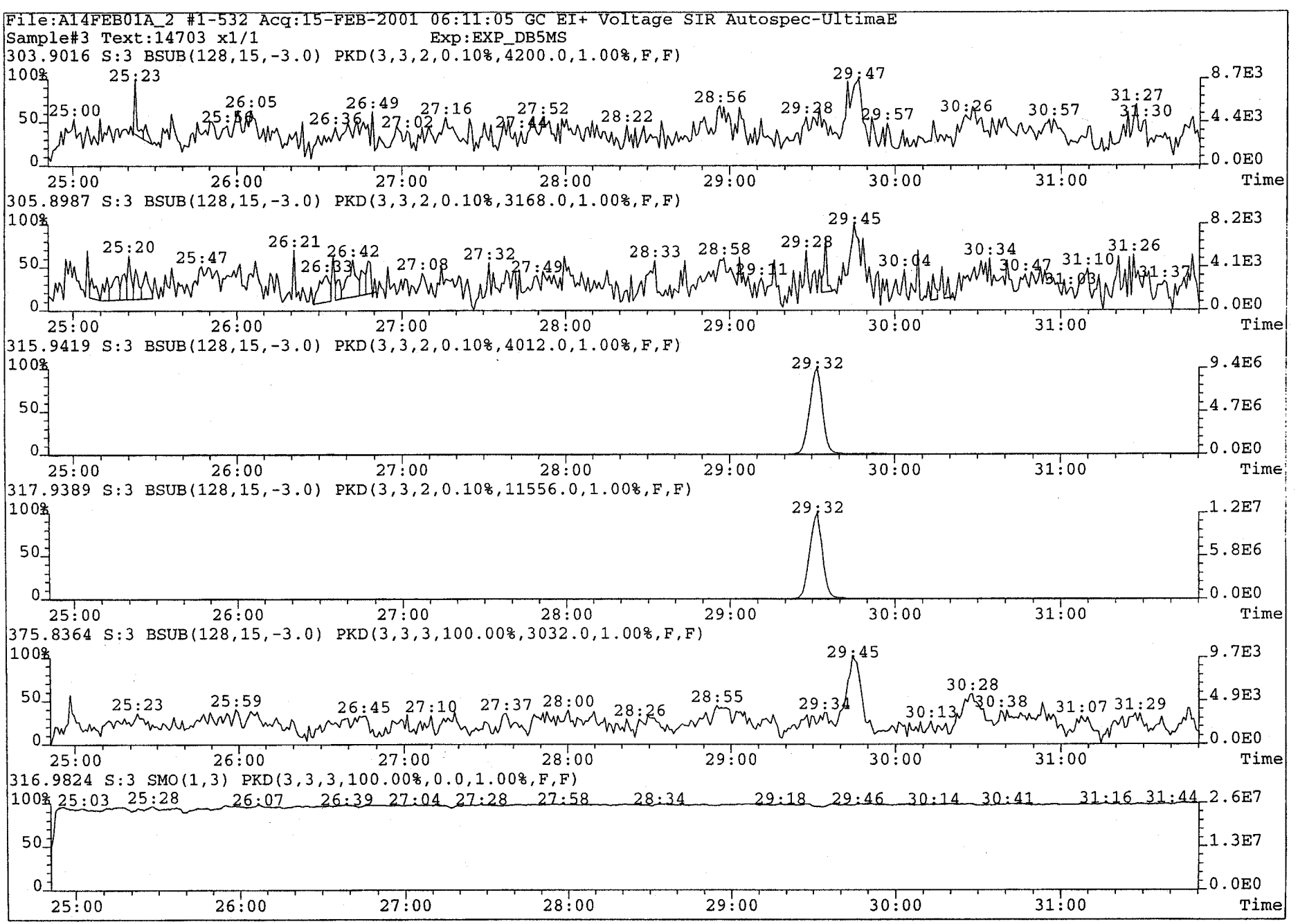

File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
389.8156 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4840.0,1.00%,F,F)
391.8127 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4748.0,1.00%,F,F)
401.8559 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4600.0,1.00%,F,F)
403.8530 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4248.0,1.00%,F,F)
380.9760 S:3 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

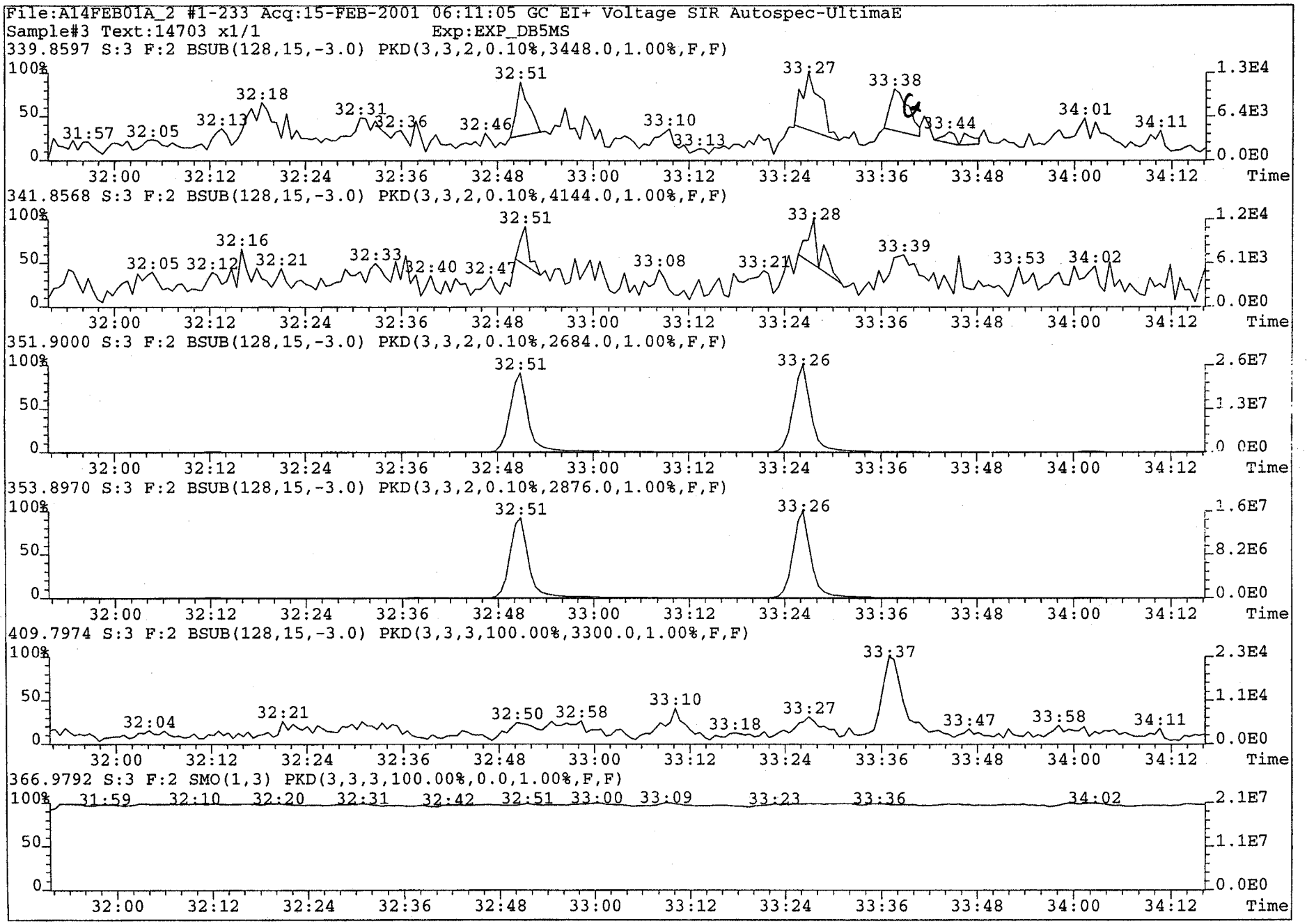

File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
423.7767 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3072.0,1.00%,F,F)
38:04
39:15
39:53
38:23
37:33
37:59
38:17
38:35
38:52
39:31
40:04
40:19
40:44
41:05
2.5E4
1.3E4
0.0E0
425.7737 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3276.0,1.00%,F,F)
38:22
39:16
38:05
39:52
37:29
37:42
37:59
38:15
38:36
38:57
39:31
39:46
40:07
40:20
40:38
40:58
41:06
41:15
1.9E4
9.4E3
0.0E0
435.8169 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4908.0,1.00%,F,F)
39:15
6.1E6
3.1E6
0.0E0
437.8140 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3144.0,1.00%,F,F)
39:15
5.9E6
3.0E6
0.0E0
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:41
38:10
38:25
38:40
38:57
39:26
39:59
40:13
40:34
40:48
41:09
2.4E7
1.2E7
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

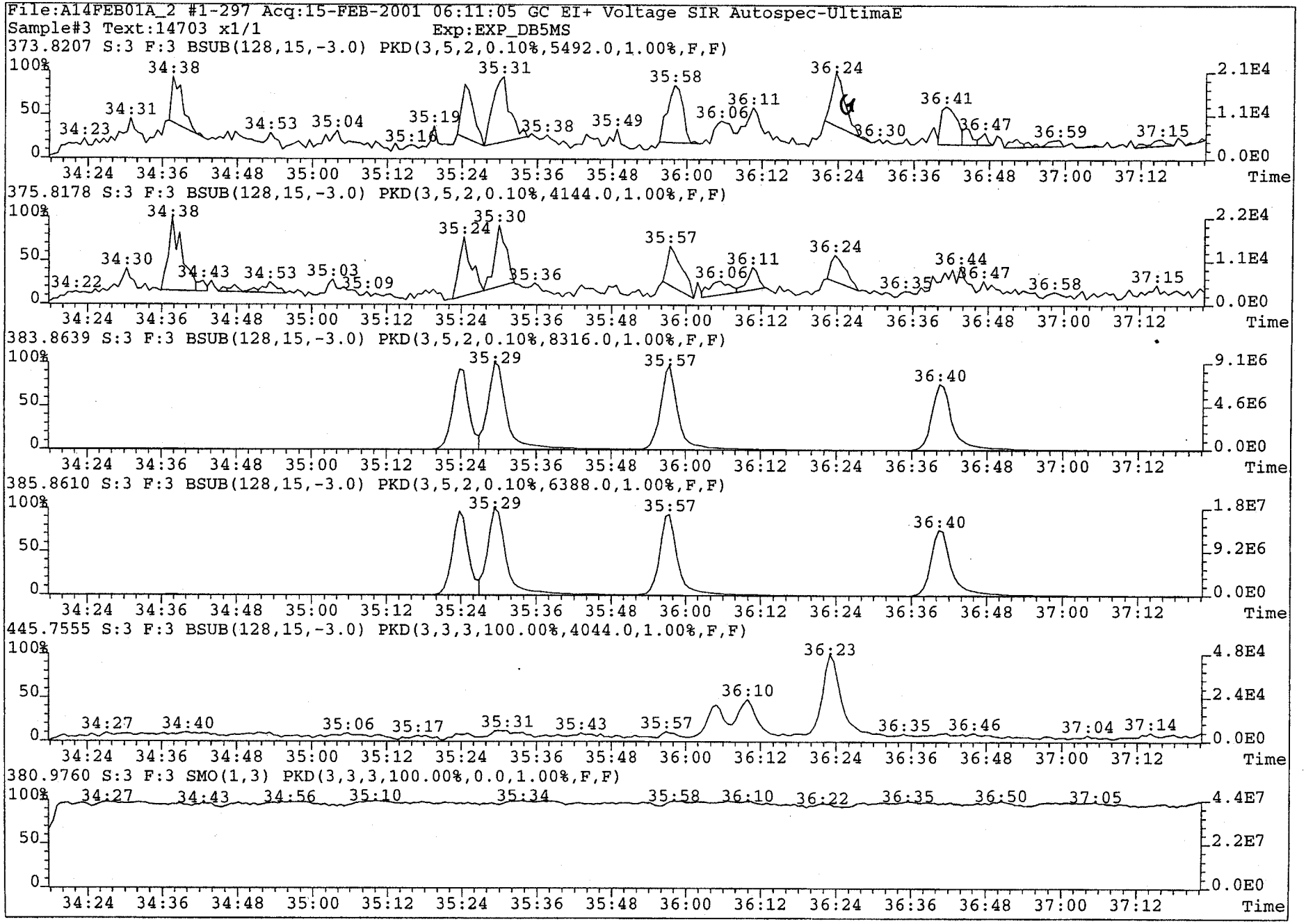

File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
423.7767 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3072.0,1.00%,F,F)
38:04
39:15
39:53
38:23
HpCDD
38:00
39:00
40:00
41:00
Time
425.7737 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3276.0,1.00%,F,F)
39:16
38:22
38:05
39:52
•=manual int.
2/19/01 HMP
38:00
39:00
40:00
41:00
Time

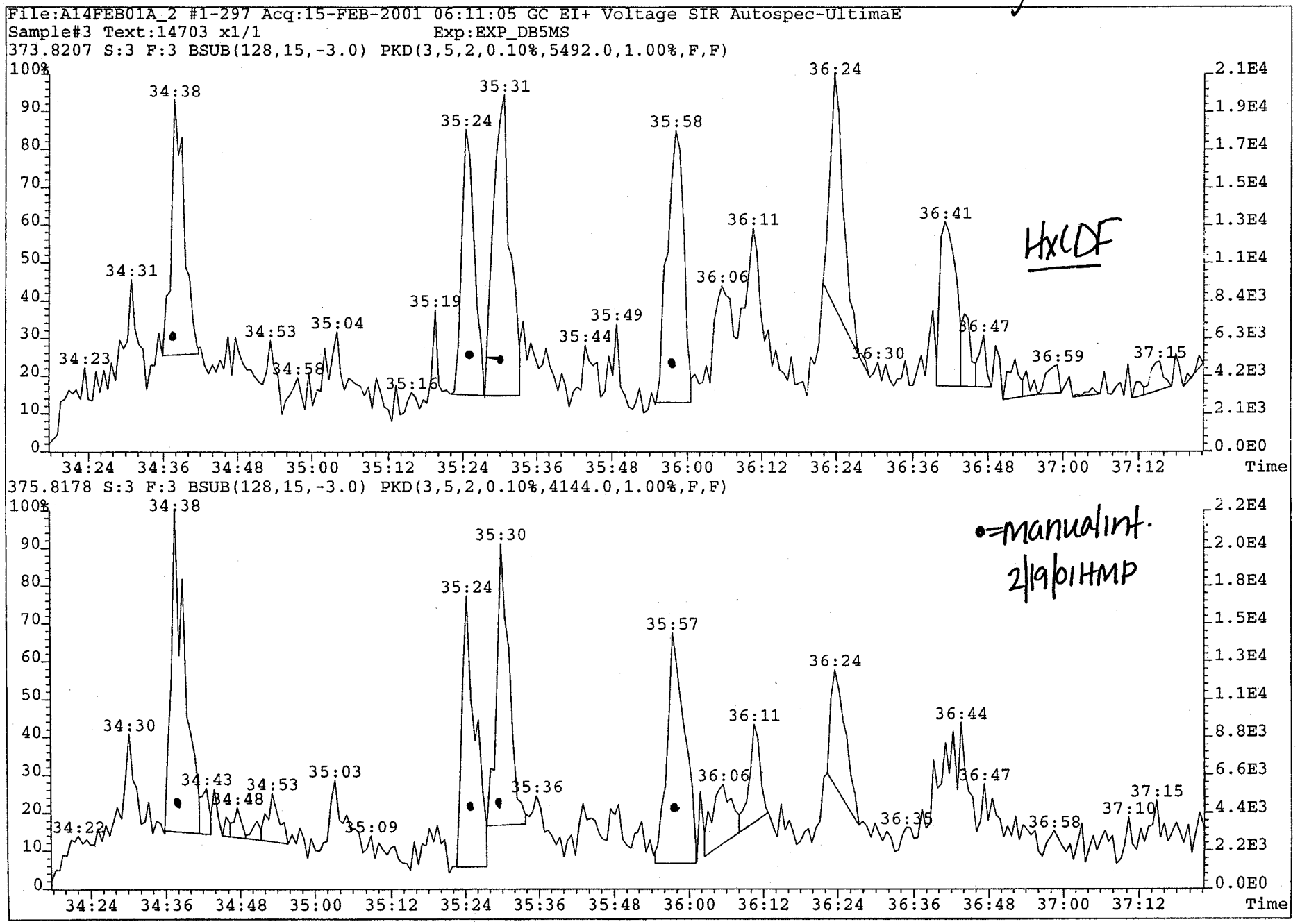

File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
457.7377 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,13120.0,1.00%,F,F)
100%
50
0
41:40
41:49
42:01
42:12
42:22
42:44
43:01
43:12
43:24
43:38
43:51
44:05
44:18
44:32
44:49
45:00
3.3E4
1.6E4
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
459.7348 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5504.0,1.00%,F,F)
100%
50
0
41:41
41:53
42:10
42:30
42:44
42:48
43:01
43:11
43:32
43:48
44:01
44:18
44:31
44:42
45:00
2.8E4
1.4E4
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3980.0,1.00%,F,F)
100%
50
0
43:11
5.0E6
2.5E6
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
471.7750 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3020.0,1.00%,F,F)
100%
50
0
43:10
6.1E6
3.0E6
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
454.9728 S:3 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
41:43
41:58
42:17
42:29
42:44
43:04
43:20
43:32
43:53
44:19
44:44
45:01
3.5E7
1.8E7
0.0E0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time

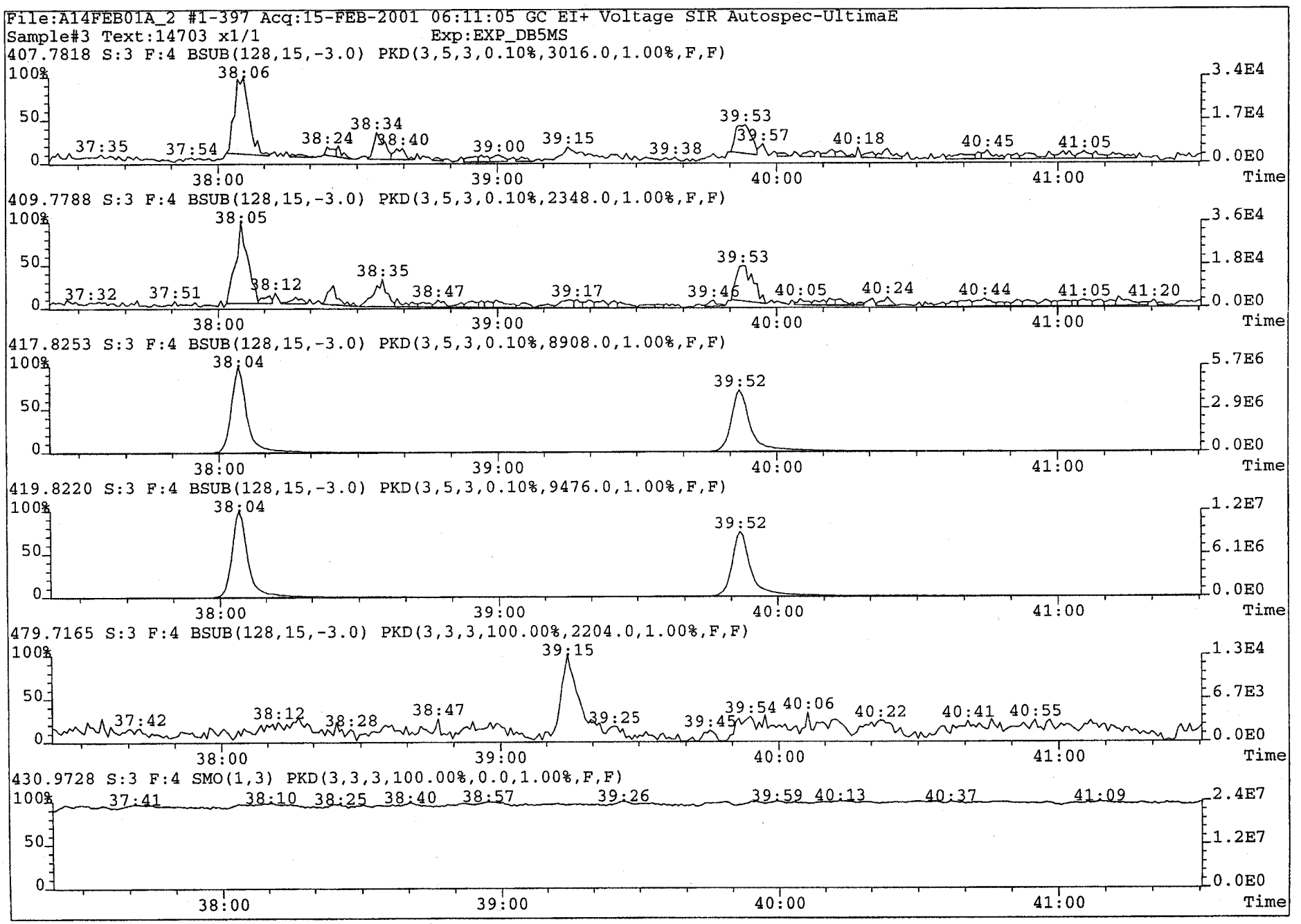

File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
457.7377 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,13120.0,1.00%,F,F)
OCDD
459.7348 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5504.0,1.00%,F,F)
●=manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
303.9016 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4200.0,1.00%,F,F)
305.8987 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3168.0,1.00%,F,F)
315.9419 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4012.0,1.00%,F,F)
317.9389 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11556.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3032.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

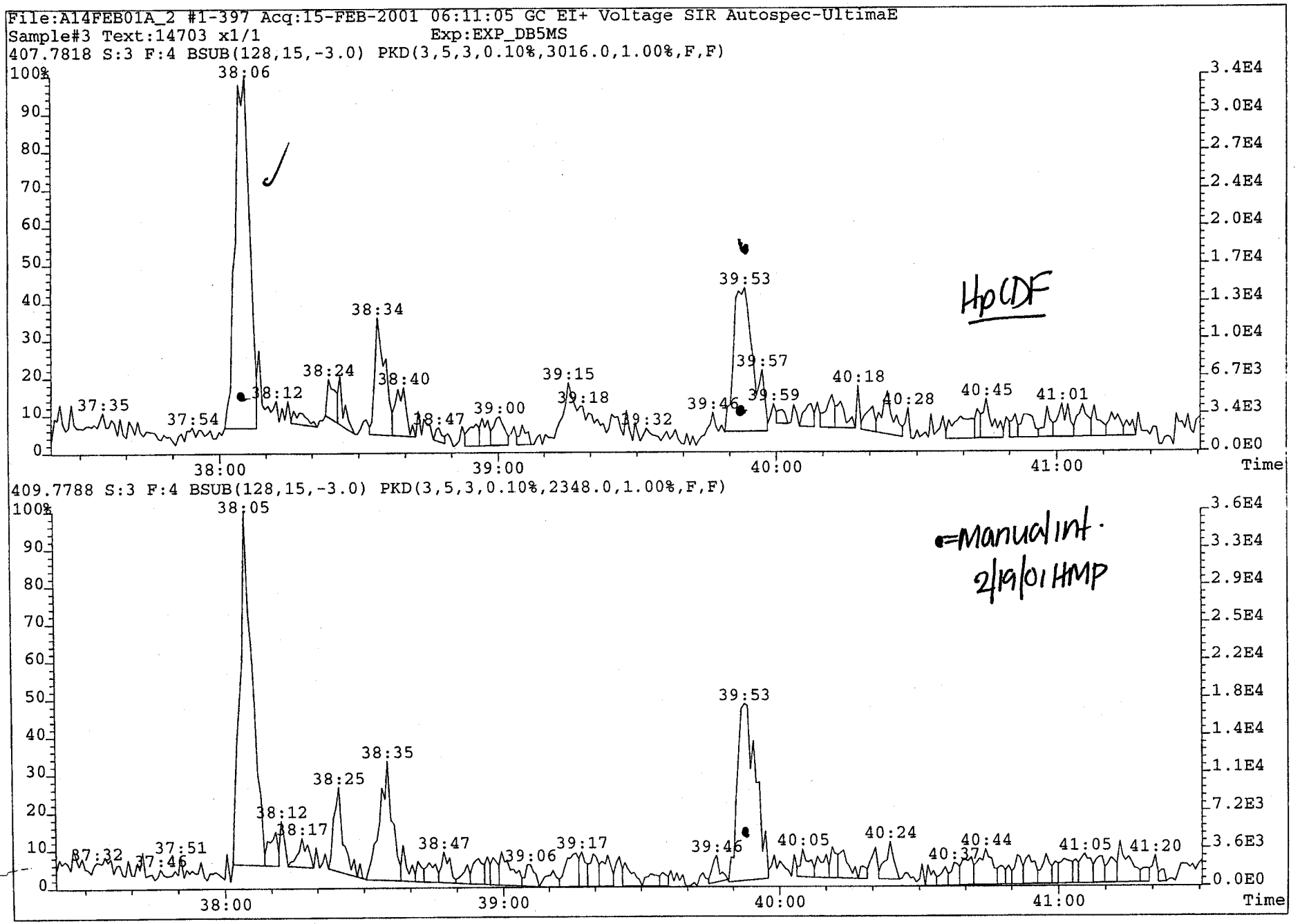

File:A14FEB01A_2 #1-233 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
339.8597 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3448.0,1.00%,F,F)
341.8568 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4144.0,1.00%,F,F)
351.9000 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2684.0,1.00%,F,F)
353.8970 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2876.0,1.00%,F,F)
409.7974 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3300.0,1.00%,F,F)
366.9792 S:3 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

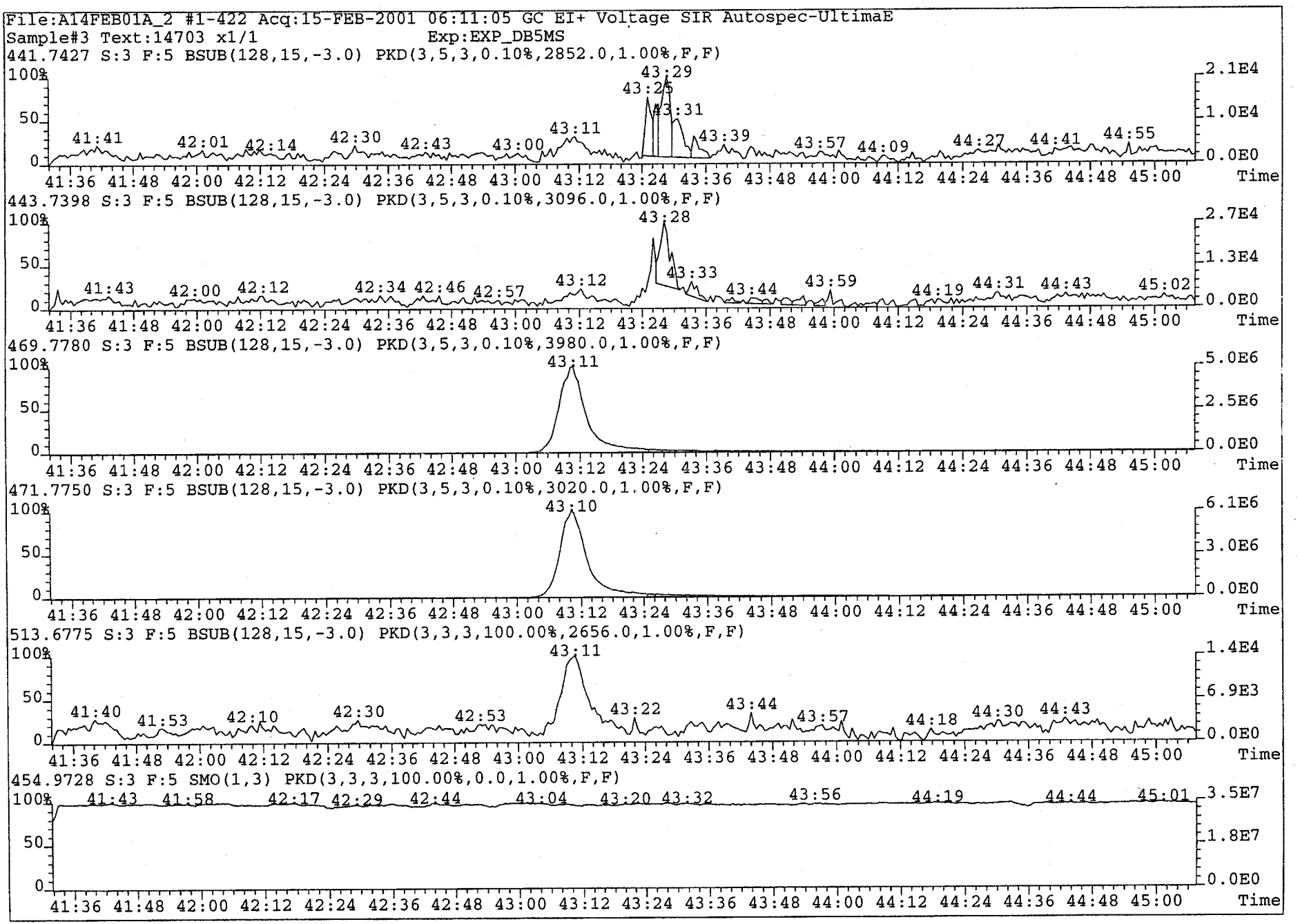

File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
373.8207 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5492.0,1.00%,F,F)
375.8178 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4144.0,1.00%,F,F)
383.8639 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8316.0,1.00%,F,F)
385.8610 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6388.0,1.00%,F,F)
445.7555 S:3 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4044.0,1.00%,F,F)
380.9760 S:3 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

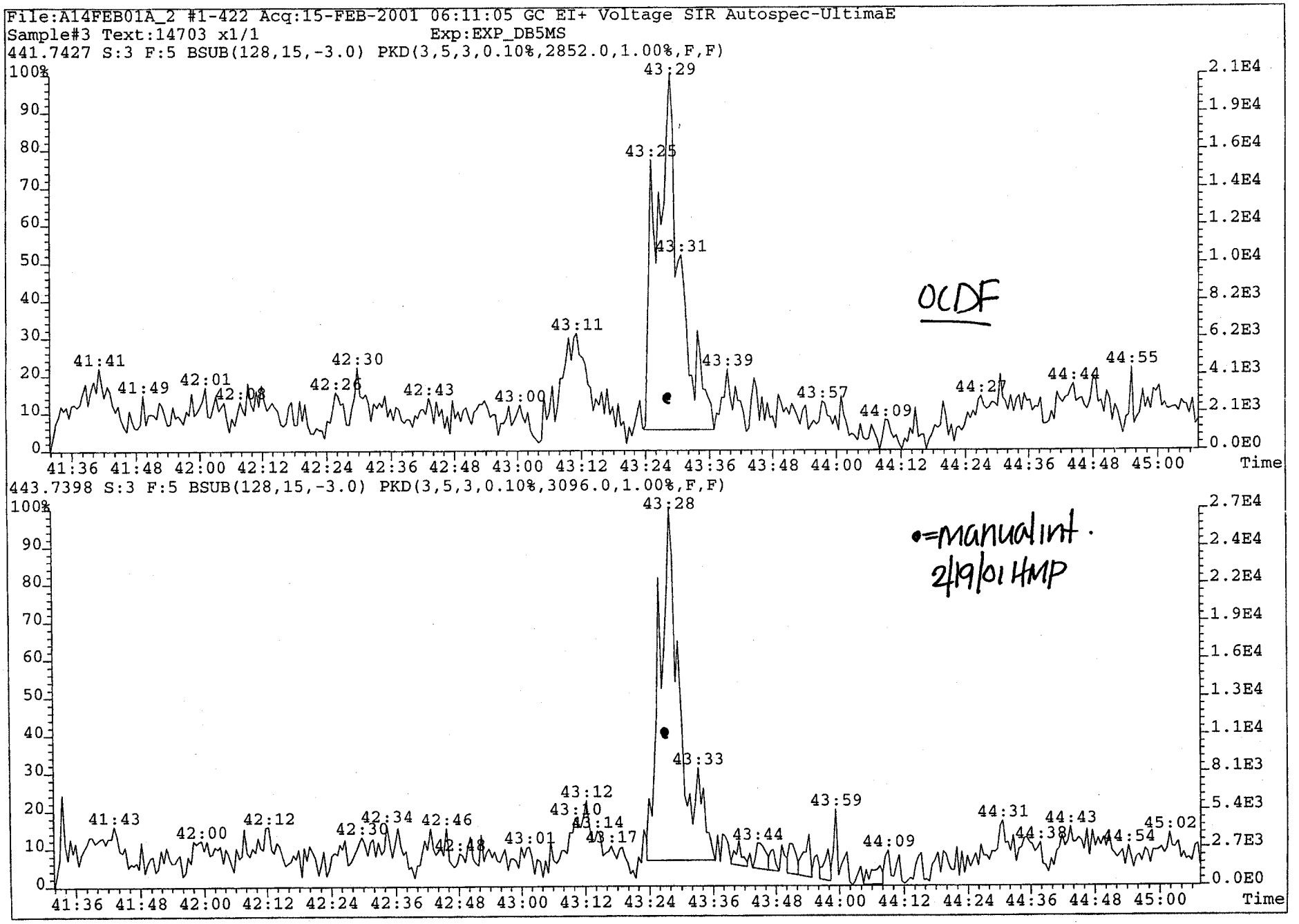

File:A14FEB01A_2 #1-297 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
373.8207 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5492.0,1.00%,F,F)
HxCDF
375.8178 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4144.0,1.00%,F,F)
•=manual int.
2/19/01 HMP
Time

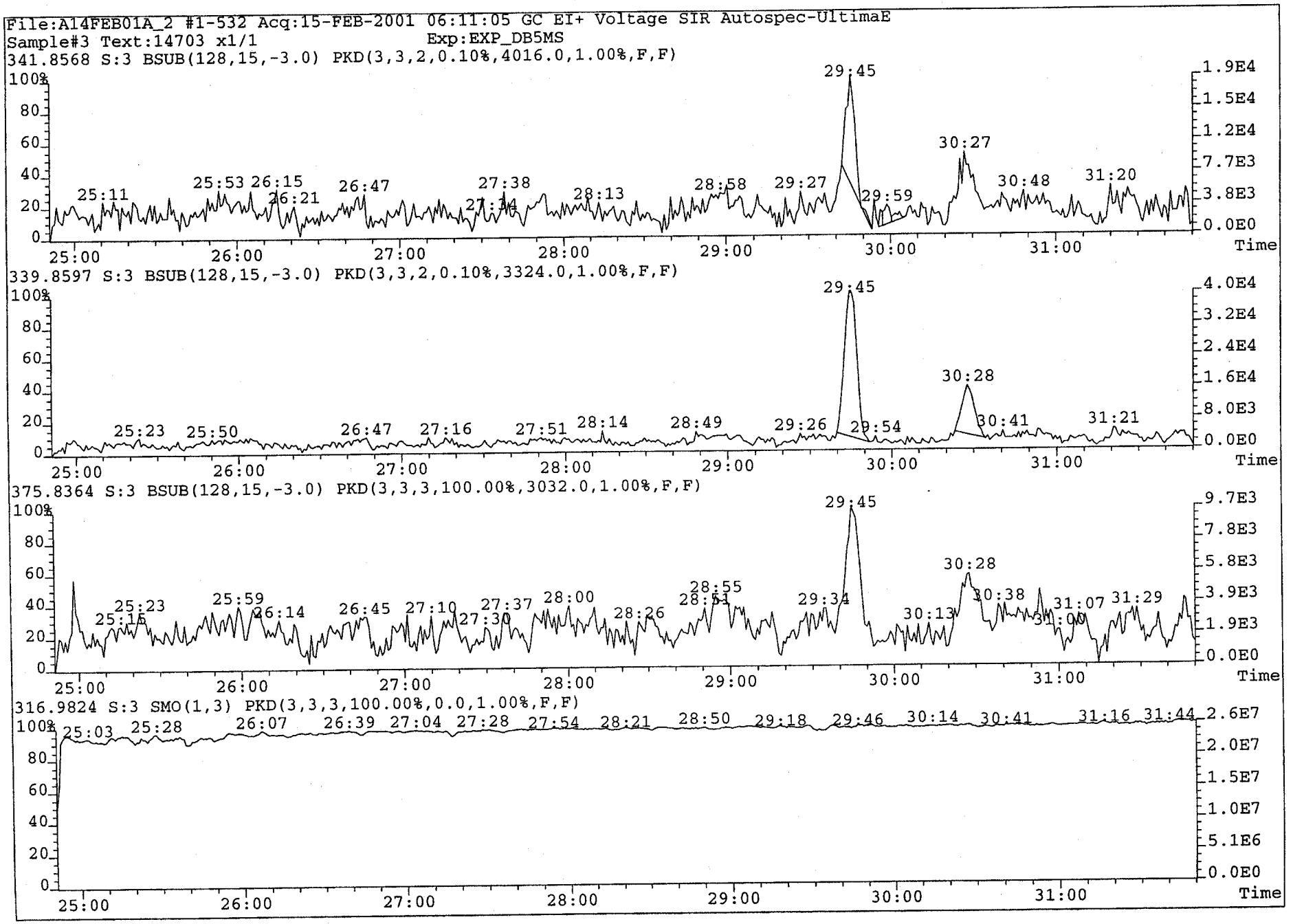

File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
407.7818 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3016.0,1.00%,F,F)
409.7788 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2348.0,1.00%,F,F)
417.8253 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8908.0,1.00%,F,F)
419.8220 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,9476.0,1.00%,F,F)
479.7165 S:3 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2204.0,1.00%,F,F)
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

70


File:A14FEB01A_2 #1-397 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
407.7818 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3016.0,1.00%,F,F)
38:06
38:34
39:53
38:24
38:40
39:15
39:57
40:18
38:12
39:18
39:59
40:45
41:01
37:35
37:54
38:47
39:00
39:32
39:46
40:28
HpCDF
Time
409.7788 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2348.0,1.00%,F,F)
38:05
39:53
38:35
38:25
38:12
38:17
37:32
37:51
37:46
38:47
39:06
39:17
39:46
40:05
40:24
40:44
40:37
41:05
41:20
=Manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
441.7427 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2852.0,1.00%,F,F)
443.7398 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3096.0,1.00%,F,F)
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3980.0,1.00%,F,F)
471.7750 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3020.0,1.00%,F,F)
513.6775 S:3 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2656.0,1.00%,F,F)
454.9728 S:3 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A_2 #1-422 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
441.7427 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2852.0,1.00%,F,F)
OCDF
443.7398 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3096.0,1.00%,F,F)
•=manual int.
2/19/01 HMP
Time


File:A14FEB01A_2 #1-532 Acq:15-FEB-2001 06:11:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14703 x1/1 Exp:EXP_DB5MS
341.8568 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4016.0,1.00%,F,F)
339.8597 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3324.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3032.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Method 1613 - QC BLANK Results

LMB

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	EMPC (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8--TCDD	ND	0.0047				
1,2,3,7,8-PeCDD	ND	0.0028				
1,2,3,4,7,8-HxCDD	ND	0.0034				
1,2,3,6,7,8-HxCDD	ND	0.0035				
1,2,3,7,8,9-HxCDD	ND	0.0032				
1,2,3,4,6,7,8-HpCDD	ND	0.0060				
OCDD	EMPC	0.0440	0.0168	43:11	1.10	
2,3,7,8--TCDF	ND	0.0026				
1,2,3,7,8-PeCDF	ND	0.0018				
2,3,4,7,8-PeCDF	ND	0.0016				
1,2,3,4,7,8-HxCDF	ND	0.0017				
1,2,3,6,7,8-HxCDF	ND	0.0017				
2,3,4,6,7,8-HxCDF	ND	0.0020				
1,2,3,7,8,9-HxCDF	ND	0.0020				
1,2,3,4,6,7,8-HpCDF	ND	0.0025				
1,2,3,4,7,8,9-HpCDF	ND	0.0037				
OCDF	ND	0.0091				
Total TCDDs	ND	0.0047				
Total PeCDDs	ND	0.0028				
Total HxCDDs	ND	0.0033				
Total HpCDDs	ND	0.0060				
Total TCDFs	ND	0.0026				
Total PeCDFs	ND	0.0017				
Total HxCDFs	ND	0.0019				
Total HpCDFs	ND	0.0031				
ITEF TEQ (ND=0)	0.0000		0.0000			
ITEF TEQ (ND=½)	0.0046		0.0046			

Laboratory Information

Sample ID: WG5267-1

Extraction Date: 13-Feb-01

Analysis Date: 14-Feb-01

Sample Information

Matrix: Aqueous

Weight / Volume: 500 mL

Solids / Lipids: NA

Original pH : 5

Batch ID: WG5267

Filename: a14feb01a-3

Retchk: a14feb01a-1

Begin ConCal: a14feb01a-1

Initial Cal: m1613-052699m

Method 1613 - QC BLANK Results

LMB

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	1	0.45	44.9	30:28	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.52	51.6	33:37	1.64	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.56	55.6	36:05	1.21	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.65	64.7	36:10	1.18	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.47	47.2	39:15	1.01	
$^{13}C_{12}$-OCDD	2	0.66	33.2	43:11	0.8	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.52	51.6	29:32	0.8	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.56	55.8	32:51	1.6	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.62	61.8	33:26	1.56	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.54	53.7	35:24	0.50	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.63	62.6	35:30	0.51	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.57	57.2	35:58	0.5	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.72	72.1	36:42	0.51	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.58	57.5	38:05	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.60	59.6	39:53	0.47	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.22	55.8	30:29		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:45	0.8	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.5	

Laboratory Information

Sample ID: WG5267-1

Extraction Date: 13-Feb-01
Analysis Date: 14-Feb-01

Analyzed by: HMP
Date: 20Feb01

Sample Information

Matrix:	Aqueous	
Weight / Volume:	500	mL
Solids / Lipids:	NA	
Original pH :	5	
Batch ID:	WG5267	
Filename:	a14feb01a-3	
Retchk:	a14feb01a-1	
Begin ConCal:	a14feb01a-1	
Initial Cal:	m1613-052699m	

Reviewed by: _____
Date: _____

Method 1613 - QC BLANK Results

LMB

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	EMPC (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8--TCDD	ND	0.0047				
1,2,3,7,8-PeCDD	ND	0.0028				
1,2,3,4,7,8-HxCDD	ND	0.0034				
1,2,3,6,7,8-HxCDD	ND	0.0035				
1,2,3,7,8,9-HxCDD	ND	0.0032				
1,2,3,4,6,7,8-HpCDD	ND	0.0060				
OCDD	~~ND~~	0.0440				
2,3,7,8--TCDF	ND	0.0026				
1,2,3,7,8-PeCDF	ND	0.0018				
2,3,4,7,8-PeCDF	ND	0.0016				
1,2,3,4,7,8-HxCDF	ND	0.0017				
1,2,3,6,7,8-HxCDF	ND	0.0017				
2,3,4,6,7,8-HxCDF	ND	0.0020				
1,2,3,7,8,9-HxCDF	ND	0.0020				
1,2,3,4,6,7,8-HpCDF	ND	0.0025				
1,2,3,4,7,8,9-HpCDF	ND	0.0037				
OCDF	ND	0.0091				
Total TCDDs	ND	0.0047				
Total PeCDDs	ND	0.0028				
Total HxCDDs	ND	0.0033				
Total HpCDDs	ND	0.0060				
Total TCDFs	ND	0.0026				
Total PeCDFs	ND	0.0017				
Total HxCDFs	ND	0.0019				
Total HpCDFs	ND	0.0031				
ITEF TEQ (ND=0)	0.0000		0.0000			
ITEF TEQ (ND=½)	0.0046		0.0046			

Laboratory Information

Sample ID: WG5267-1

Extraction Date: 13-Feb-01

Analysis Date: 14-Feb-01

Sample Information

Matrix: Aqueous

Weight / Volume: 500 mL

Solids / Lipids: NA

Original pH : 5

Batch ID: WG5267

Filename: a14feb01a-3

Retchk: a14feb01a-1

Begin ConCal: a14feb01a-1

Initial Cal: m1613-052699m

Method 1613 - QC BLANK Results

LMB

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	1	0.45	44.9	30:28	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.52	51.6	33:37	1.64	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.56	55.6	36:05	1.21	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.65	64.7	36:10	1.18	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.47	47.2	39:15	1.01	
$^{13}C_{12}$-OCDD	2	0.66	33.2	43:11	0.8	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.52	51.6	29:32	0.8	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.56	55.8	32:51	1.6	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.62	61.8	33:26	1.56	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.54	53.7	35:24	0.50	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.63	62.6	35:30	0.51	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.57	57.2	35:58	0.5	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.72	72.1	36:42	0.51	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.58	57.5	38:05	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.60	59.6	39:53	0.47	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.22	55.8	30:29		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:45	0.8	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.5	

Laboratory Information

Sample ID: WG5267-1

Extraction Date: 13-Feb-01
Analysis Date: 14-Feb-01

Analyzed by: _____
Date: _____

Sample Information

Matrix:	Aqueous	
Weight / Volume:	500	mL
Solids / Lipids:	NA	
Original pH :	5	
Batch ID:	WG5267	
Filename:	a14feb01a-3	
Retchk:	a14feb01a-1	
Begin ConCal:	a14feb01a-1	
Initial Cal:	m1613-052699m	

Reviewed by: _____
Date: _____

Filename ; a14feb01a
Sample ; 3
Acquired ; 14-FEB-01 18:19:10
Processed ; 15-FEB-01 08:33:44
Sample ID ; WG5267-1 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-021401a
Comments ;

Typ	Name	Resp	Ion 1	Ion 2	RA;?;	RT	Conc	DL	S/N1;?;	S/N2;?	mod?
Unk	2,3,7,8-TCDD	*	*	*	*;n;NotFnd		*	0.2359	*;n;	*;n	no
Unk	1,2,3,7,8-PeCDD	*	*	*	*;n;NotFnd		*	0.1385	*;n;	*;n	no
Unk	1,2,3,4,7,8-HxCDD	1.88e+04	5.26e+03	1.35e+04	0.39;n;	36:07	0.041	0.1681	1;n;	1;n	no
Unk	1,2,3,6,7,8-HxCDD	1.99e+04	4.69e+03	1.52e+04	0.31;n;	36:12	0.039	0.1758	1;n;	1;n	no
Unk	1,2,3,7,8,9-HxCDD	5.95e+04	2.75e+04	3.20e+04	0.86;n;	36:24	0.113	0.1581	3;n;	2;n	no
Unk	1,2,3,4,6,7,8-HpCDD	*	*	*	*;n;NotFnd		*	0.3017	*;n;	*;n	no
Unk	OCDD	1.81e+05	9.47e+04	8.64e+04	1.10;n;	43:11	0.841	2.1998	1;n;	3;n	yes
Unk	2,3,7,8-TCDF	*	*	*	*;n;NotFnd		*	0.1298	*;n;	*;n	no
Unk	1,2,3,7,8-PeCDF	4.32e+04	3.27e+04	1.05e+04	3.10;n;	32:52	0.053	0.0889	3;n;	1;n	no
Unk	2,3,4,7,8-PeCDF	*	*	*	*;n;NotFnd		*	0.0792	*;n;	*;n	no
Unk	1,2,3,4,7,8-HxCDF	3.84e+04	1.31e+04	2.53e+04	0.52;n;	35:25	0.055	0.0856	2;n;	3;n	no
Unk	1,2,3,6,7,8-HxCDF	*	*	*	*;n;NotFnd		*	0.0853	*;n;	*;n	no
Unk	2,3,4,6,7,8-HxCDF	*	*	*	*;n;NotFnd		*	0.1016	*;n;	*;n	no
Unk	1,2,3,7,8,9-HxCDF	5.55e+04	4.43e+04	1.12e+04	3.94;n;	36:42	0.069	0.1014	3;y	2;n	no
Unk	1,2,3,4,6,7,8-HpCDF	*	*	*	*;n;NotFnd		*	0.1270	*;n;	*;n	no
Unk	1,2,3,4,7,8,9-HpCDF	*	*	*	*;n;NotFnd		*	0.1853	*;n;	*;n	no
Unk	OCDF	*	*	*	*;n;NotFnd		*	0.4530	*;n;	*;n	no
ES/RT	13C-2,3,7,8-TCDD	4.83e+07	2.16e+07	2.67e+07	0.81;y;	30:28	22.426	0.0782	596;y	1268;y	no
ES	13C-1,2,3,7,8-PeCDD	4.68e+07	2.91e+07	1.78e+07	1.64;y;	33:37	25.809	0.1451	887;y	1224;y	no
ES	13C-1,2,3,4,7,8-HxCDD	4.04e+07	2.21e+07	1.83e+07	1.21;y;	36:05	27.813	0.0646	1732;y	1418;y	no
ES	13C-1,2,3,6,7,8-HxCDD	5.24e+07	2.84e+07	2.40e+07	1.18;y;	36:10	32.371	0.0580	1916;y	1610;y	no
ES	13C-1,2,3,4,6,7,8-HpCDD	3.66e+07	1.84e+07	1.82e+07	1.01;y;	39:15	23.589	0.0592	989;y	990;y	no
ES	13C-OCDD	4.00e+07	1.78e+07	2.22e+07	0.80;y;	43:11	33.150	0.0967	529;y	879;y	no
ES/RT	13C-2,3,7,8-TCDF	7.88e+07	3.51e+07	4.37e+07	0.80;y;	29:32	25.818	0.0796	1808;y	682;y	no
ES	13C-1,2,3,7,8-PeCDF	7.79e+07	4.79e+07	3.00e+07	1.60;y;	32:51	27.882	0.0587	3146;y	2386;y	no
ES	13C-2,3,4,7,8-PeCDF	8.18e+07	4.98e+07	3.20e+07	1.56;y;	33:26	30.880	0.0620	3263;y	2494;y	no
ES	13C-1,2,3,4,7,8-HxCDF	5.67e+07	1.89e+07	3.78e+07	0.50;y;	35:24	26.843	0.0704	947;y	2200;y	no
ES	13C-1,2,3,6,7,8-HxCDF	7.12e+07	2.41e+07	4.71e+07	0.51;y;	35:30	31.294	0.0653	990;y	2255;y	no
ES	13C-2,3,4,6,7,8-HxCDF	6.09e+07	2.02e+07	4.07e+07	0.50;y;	35:58	28.577	0.0698	858;y	1980;y	no
ES	13C-1,2,3,7,8,9-HxCDF	6.33e+07	2.14e+07	4.20e+07	0.51;y;	36:42	36.062	0.0846	794;y	1770;y	no
ES	13C-1,2,3,4,6,7,8-HpCDF	4.84e+07	1.53e+07	3.31e+07	0.46;y;	38:05	28.736	0.0993	699;y	934;y	no
ES	13C-1,2,3,4,7,8,9-HpCDF	4.13e+07	1.32e+07	2.81e+07	0.47;y;	39:53	29.775	0.1205	483;y	645;y	no
JS	13C-1,2,3,4-TCDD	2.03e+08	9.00e+07	1.13e+08	0.80;y;	29:45	100.316	-;	2551;y	5412;y	no
JS	13C-1,2,3,7,8,9-HxCDD	1.69e+08	9.29e+07	7.66e+07	1.21;y;	36:24	102.861	-;	5904;y	4932;y	no
CS	37Cl-2,3,7,8-TCDD	2.66e+07	2.66e+07	-	-;-	30:29	11.152	0.0418	759;y		no

	Conc	Empc	Flags
TCDF	0	0	FALSE
TCDD	0	0	FALSE
PeCDF	0	0	FALSE
PeCDD	0	0	FALSE
HxCDF	0	0	FALSE
HxCDD	0	0	FALSE
HpCDF	0	0	FALSE
HpCDD	0	0	FALSE

Filename:	a14feb01a	Name of Homolog Group:	Total Tetra-Furans
Sample:	3	Number of Peaks Found:	0
Acquired:	14-FEB-01 18:19:10	RRF Used For Totals:	1.1266
Processed:	15-FEB-01 08:33:44	Detection Limit:	0.1298
Sample ID:	WG5267-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-021401a	End Window:	

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

Filename:	a14feb01a	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	3	Number of Peaks Found:	0
Acquired:	14-FEB-01 18:19:10	RRF Used For Totals:	1.181
Processed:	15-FEB-01 08:33:44	Detection Limit:	0.2359
Sample ID:	WG5267-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-021401a	End Window:	

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

Filename:	a14feb01a	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	3	Number of Peaks Found:	1
Acquired:	14-FEB-01 18:19:10	RRF Used For Totals:	1.096
Processed:	15-FEB-01 08:33:44	Detection Limit:	0.0694
Sample ID:	WG5267-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-021401a	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.34E+05	46700	188000	0.25	n	29:45	0.268	RT	2.3	n	12.7	y	n

Filename:	a14feb01a			Name of Homolog Group:		Total Penta-Furans Fn2												
Sample:		3		Number of Peaks Found:		1												
Acquired:	14-FEB-01	18:19:10		RRF Used For Totals:		1.096												
Processed:	15-FEB-01	08:33:44		Detection Limit:		0.0839												
Sample ID:	WG5267-1 x1/1																	
Cal Table:	m1613-052699m			Begin Window:								31:08:00						
Results Table:	m1613-021401a			End Window:								34:14:00						
Name	#			Response		Ion 1	Ion 2	RA	?		RT	Conc		Status	S/N1	?	S/N2	?	Mod?
1,2,3,7,8-PeCDF		1			4.32E+04	32700	10500		3.1	n	32:52	0.053		S2N		2.5 n		1.1 n	n

Filename:	a14feb01a			Name of Homolog Group:		Total Penta-Dioxins												
Sample:		3		Number of Peaks Found:		2												
Acquired:	14-FEB-01	18:19:10		RRF Used For Totals:		1.0298												
Processed:	15-FEB-01	08:33:44		Detection Limit:		0.1385												
Sample ID:	WG5267-1 x1/1																	
Cal Table:	m1613-052699m			Begin Window:								32:14:00						
Results Table:	m1613-021401a			End Window:								33:58:00						
Name	#			Response		Ion 1	Ion 2	RA	?		RT	Conc		Status	S/N1	?	S/N2	?	Mod?
		1			6.45E+04	49300	15200		3.25	n	32:51	0.134		S2N		5.1 y		2.4 n	n
		2			8.85E+04	70300	18200		3.87	n	33:26	0.183		S2N		6.7 y		2.5 n	n

Filename:	a14feb01a			Name of Homolog Group:		Total Hexa-Furans												
Sample:		3		Number of Peaks Found:		5												
Acquired:	14-FEB-01	18:19:10		RRF Used For Totals:		1.2111												
Processed:	15-FEB-01	08:33:44		Detection Limit:		0.0939												
Sample ID:	WG5267-1 x1/1																	
Cal Table:	m1613-052699m			Begin Window:								34:21:00						
Results Table:	m1613-021401a			End Window:								36:53:00						
Name	#			Response		Ion 1	Ion 2	RA	?		RT	Conc		Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,7,8-HxCDF		1			3.84E+04	13100	25300		0.52	n	35:25	0.055		S2N		1.8 n		2.5 n	n
		2			5.91E+04	47200	11900		3.98	n	36:24	0.077		S2N		3.7 y		1.6 n	n
1,2,3,7,8,9-HxCDF		3			5.55E+04	44300	11200		3.94	n	36:42	0.069		S2N		3.3 y		1.7 n	n
		4			1.34E+04	7060	6380		1.11	y	36:47	0.018		S2N		1.4 n		0.9 n	n
		5			1.22E+04	5800	6380		0.91	n	36:49	0.016		S2N		0.9 n		0.9 n	n

Filename:	a14feb01a			Name of Homolog Group:		Total Hexa-Dioxins												
Sample:		3		Number of Peaks Found:		11												
Acquired:	14-FEB-01	18:19:10		RRF Used For Totals:		1.0787												
Processed:	15-FEB-01	08:33:44		Detection Limit:		0.1666												

Sample ID: WG5267-1 x1/1
Cal Table: m1613-052699m Begin Window: 34:49:00
Results Table: m1613-021401a End Window: 36:29:00

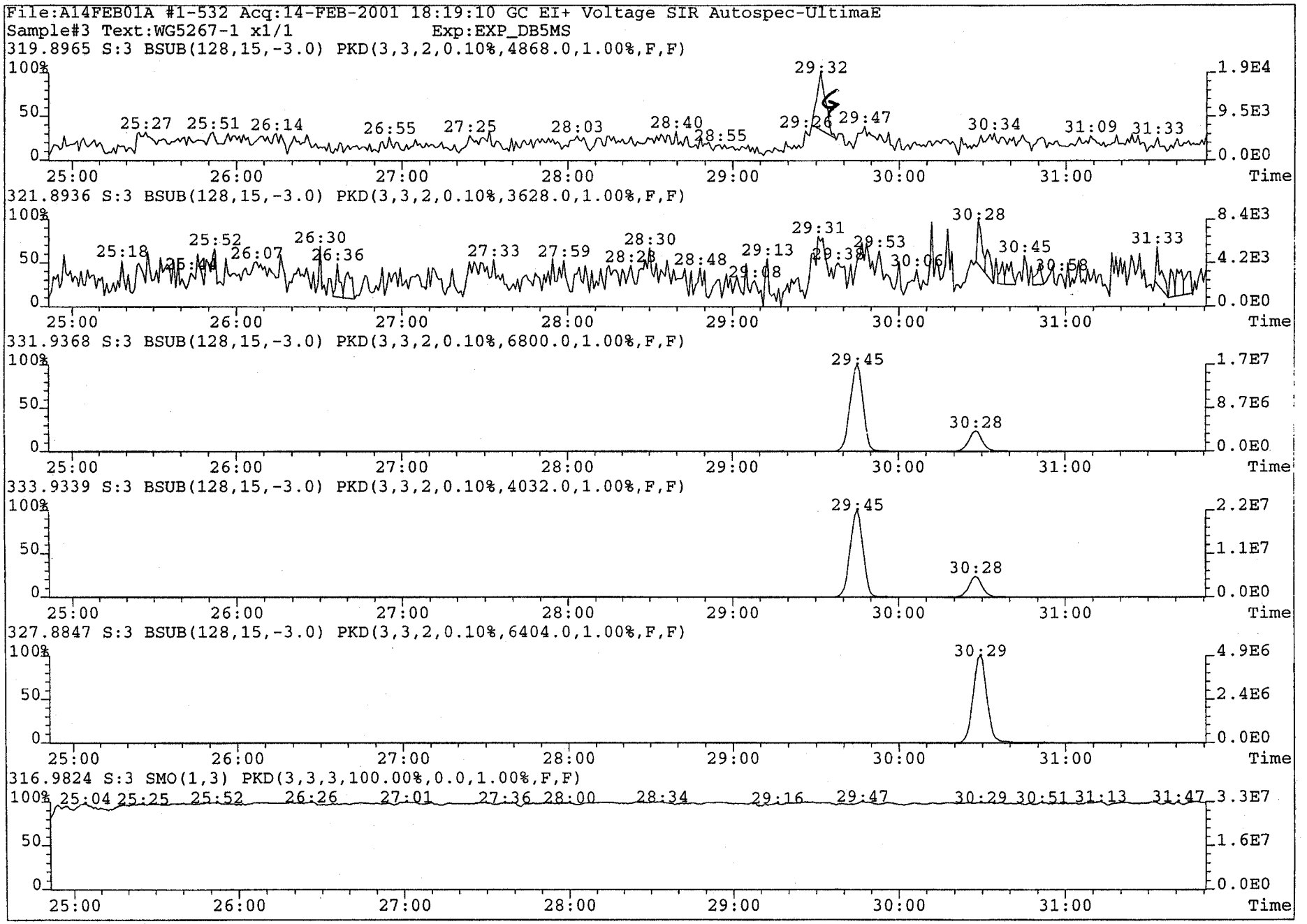
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	7.15E+04	52700	18800	2.79	n	35:57	0.143	S2N	4.8	y	1.6	n	n
	2	2.20E+04	8410	13500	0.62	n	36:05	0.044	S2N	1	n	0.9	n	n
1,2,3,4,7,8-HxCDD	3	1.88E+04	5260	13500	0.39	n	36:07	0.041	S2N	0.9	n	0.9	n	n
	4	1.89E+04	3750	15200	0.25	n	36:09	0.038	S2N	0.7	n	1.1	n	n
1,2,3,6,7,8-HxCDD	5	1.99E+04	4690	15200	0.31	n	36:12	0.039	S2N	0.7	n	1.1	n	n
1,2,3,7,8,9-HxCDD	6	5.95E+04	27500	32000	0.86	n	36:24	0.113	S2N	2.8	n	1.9	n	n
	7	2.32E+04	12400	10800	1.15	y	36:28	0.046	S2N	1.3	n	1	n	n
	8	2.53E+04	10900	14400	0.76	n	36:33	0.051	RT	1.1	n	1.2	n	n
	9	1.69E+04	2540	14400	0.18	n	36:35	0.034	RT	0.8	n	1.2	n	n
	10	1.01E+05	63500	37600	1.69	n	36:40	0.202	RT	5	y	2.4	n	n
	11	1.66E+04	5540	11100	0.5	n	36:44	0.033	RT	0.9	n	1.3	n	n

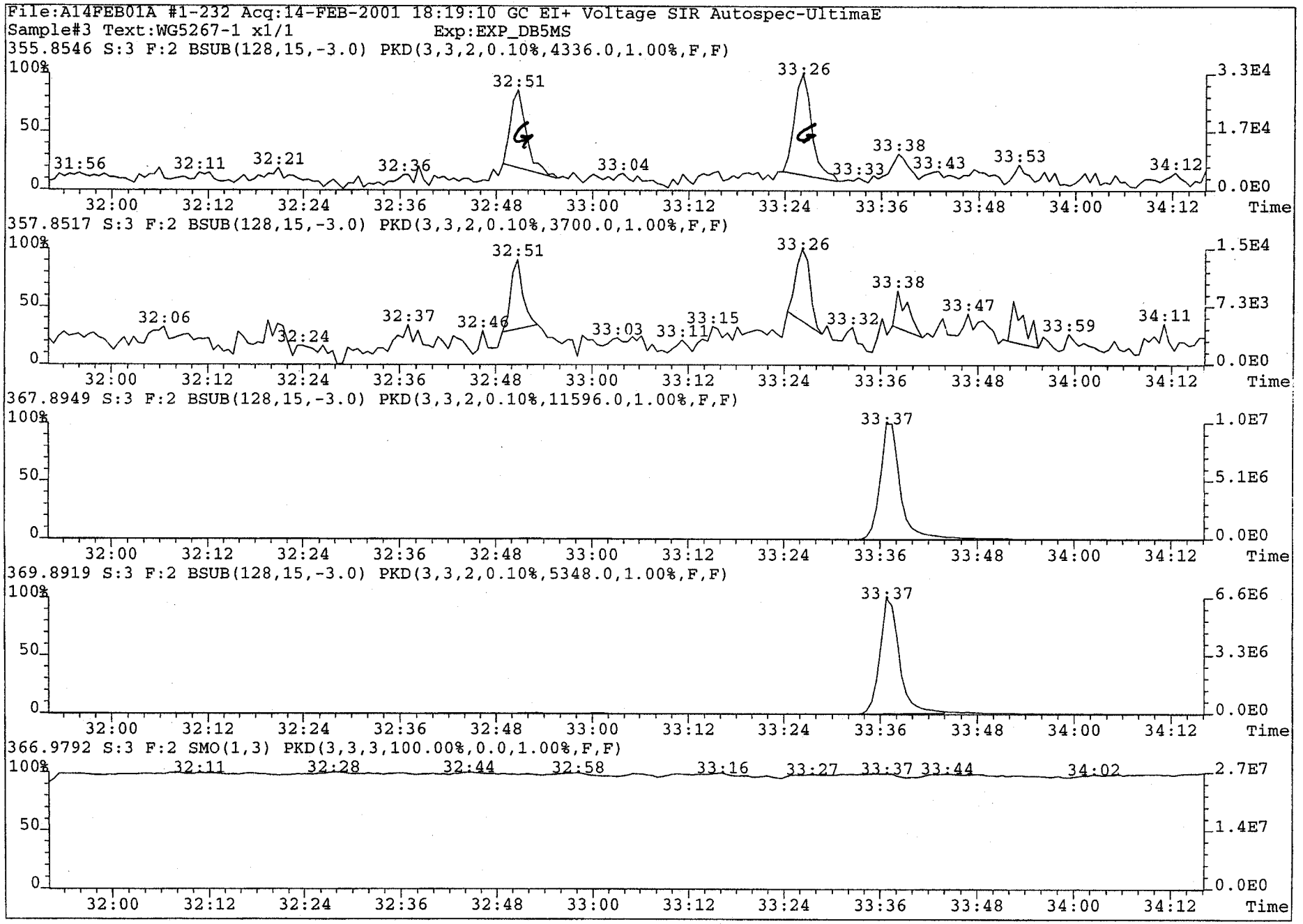
Filename: a14feb01a Name of Homolog Group: Total Hepta-Furans
Sample: 3 Number of Peaks Found: 0
Acquired: 14-FEB-01 18:19:10 RRF Used For Totals: 1.4605
Processed: 15-FEB-01 08:33:44 Detection Limit: 0.1538
Sample ID: WG5267-1 x1/1
Cal Table: m1613-052699m Begin Window:
Results Table: m1613-021401a End Window:

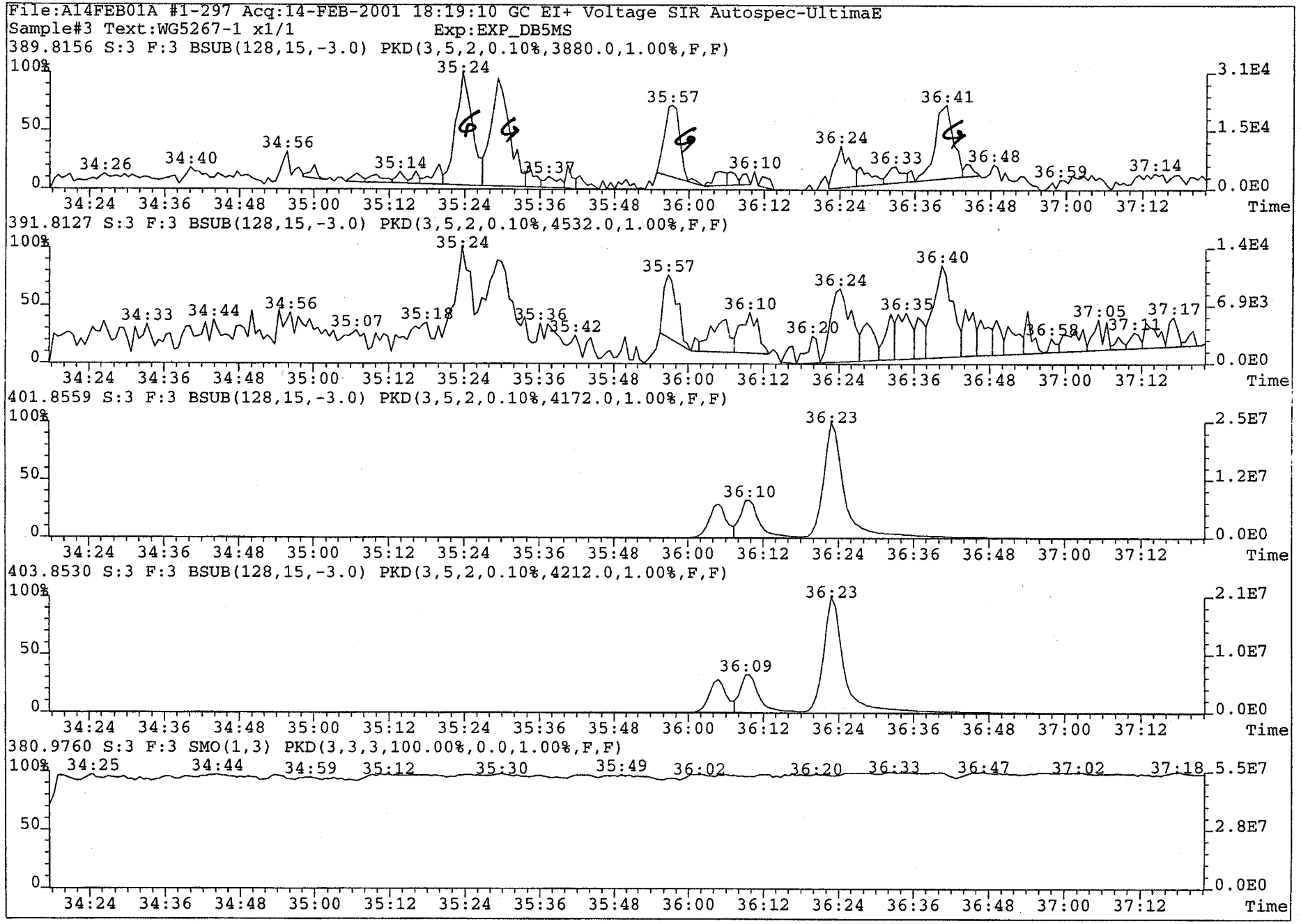
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

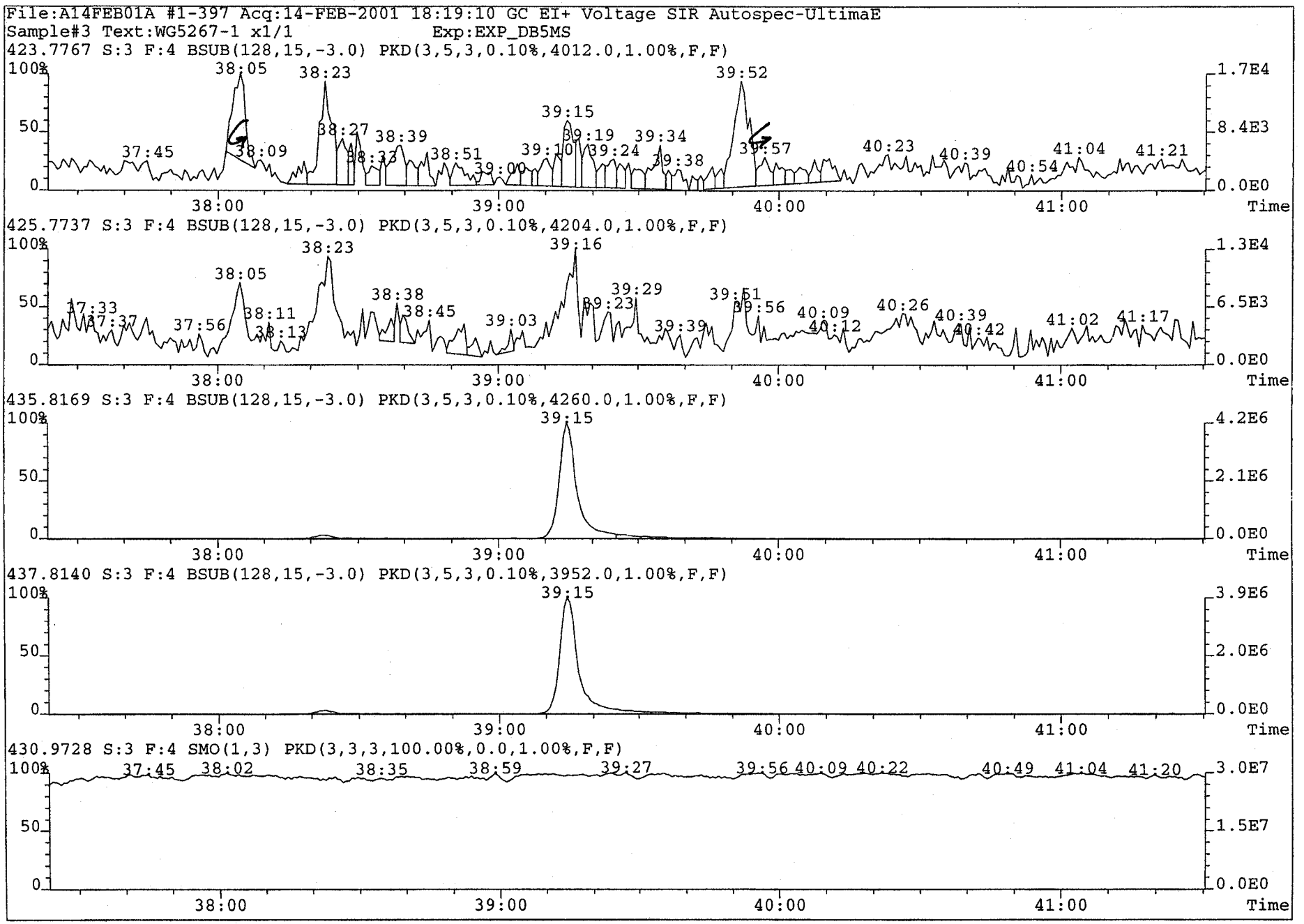
Filename: a14feb01a Name of Homolog Group: Total Hepta-Dioxins
Sample: 3 Number of Peaks Found: 5
Acquired: 14-FEB-01 18:19:10 RRF Used For Totals: 1.0066
Processed: 15-FEB-01 08:33:44 Detection Limit: 0.3017
Sample ID: WG5267-1 x1/1
Cal Table: m1613-052699m Begin Window: 38:14:00
Results Table: m1613-021401a End Window: 38:34:00

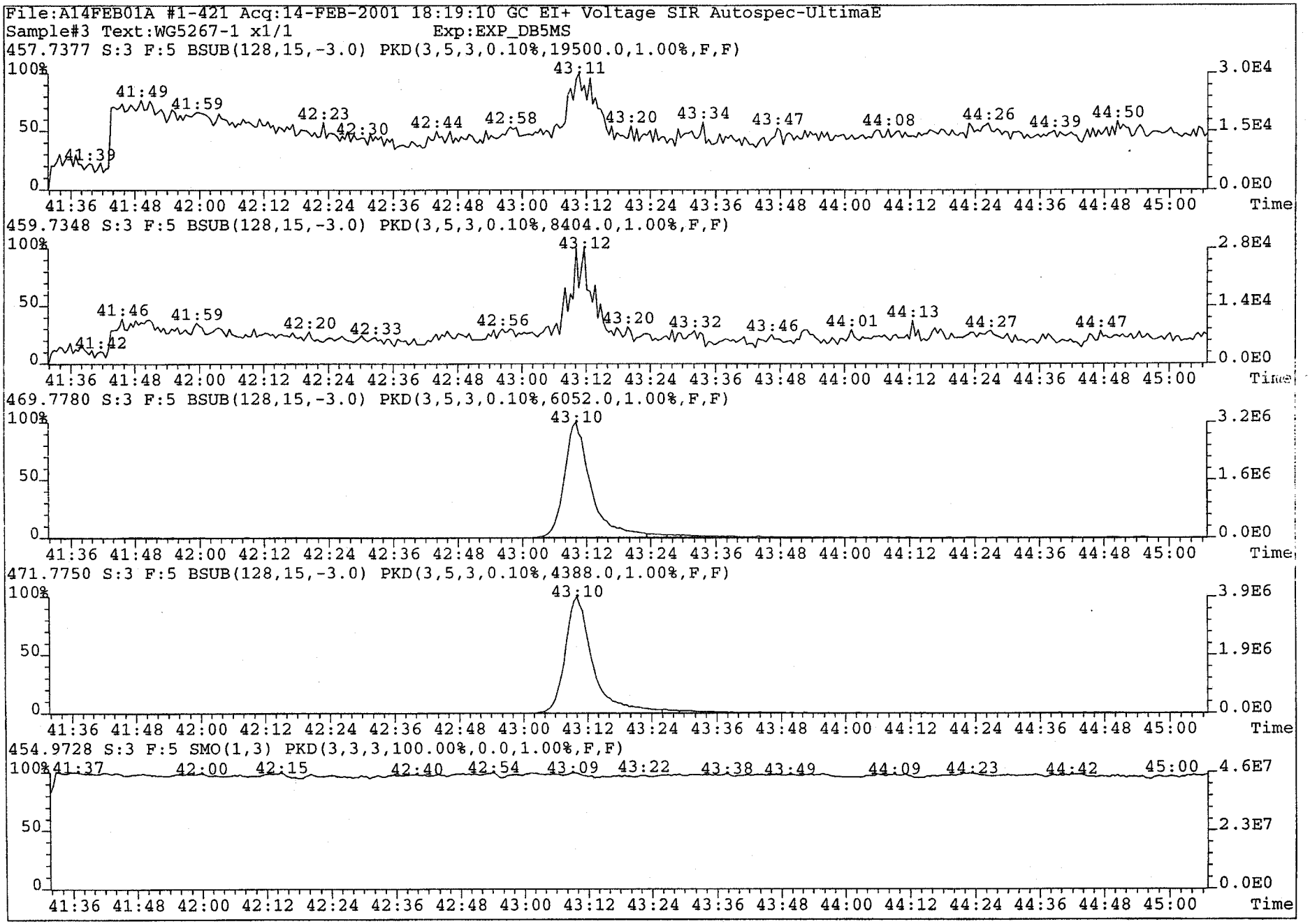
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.30E+04	18400	4540	4.06	n	38:38	0.062	RT	1.4	n	0.6	n	n
	2	1.27E+04	7520	5160	1.46	n	38:41	0.034	RT	0.9	n	0.7	n	n
	3	1.90E+04	10200	8760	1.16	y	38:52	0.051	RT	0.8	n	0.8	n	n
	4	8.21E+03	4570	3630	1.26	n	38:57	0.022	RT	0.5	n	0.5	n	n
	5	8.04E+03	5160	2880	1.79	n	39:03	0.022	RT	0.8	n	0.6	n	n

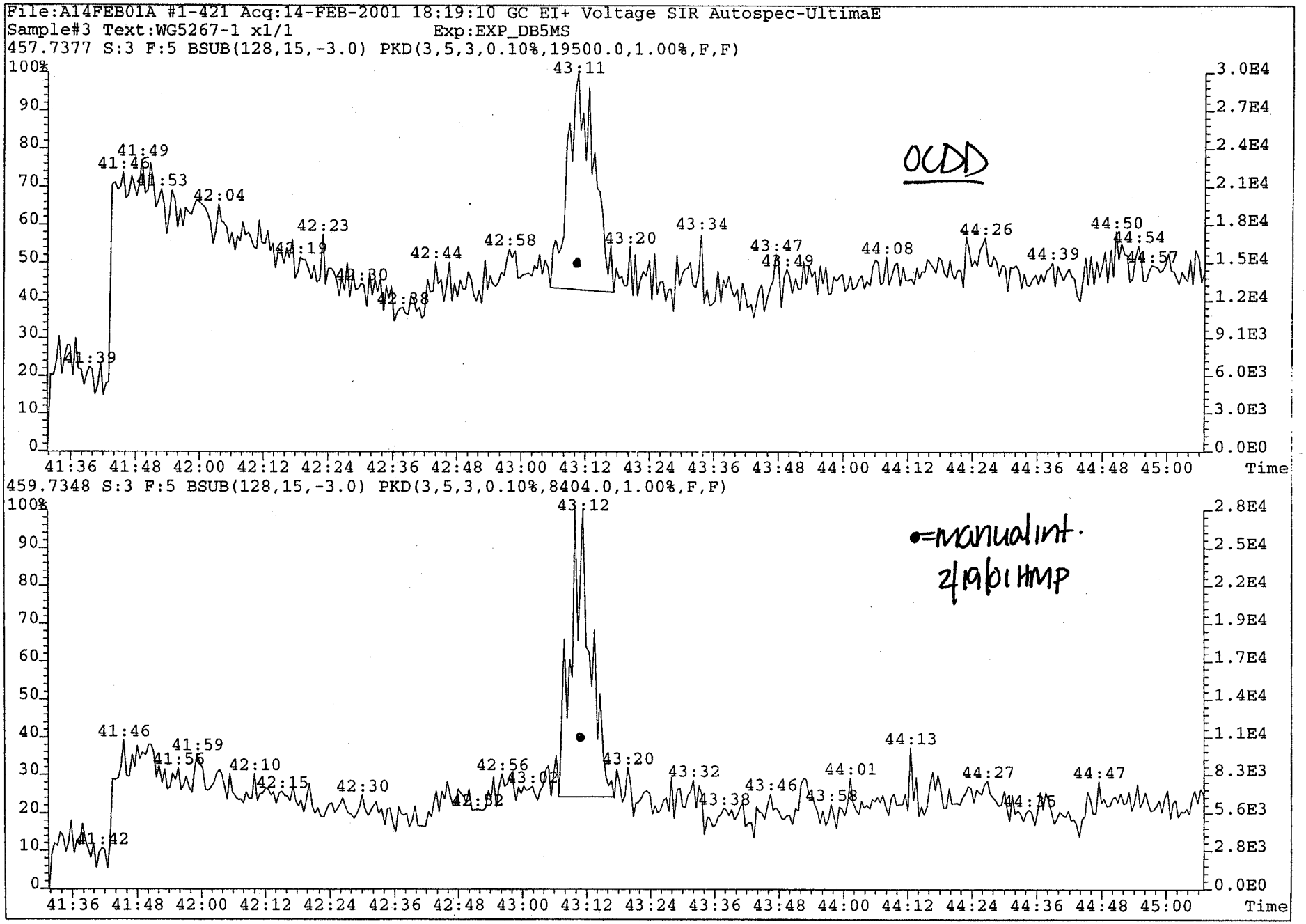

File:A14FEB01A #1-532 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
319.8965 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4868.0,1.00%,F,F)
321.8936 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3628.0,1.00%,F,F)
331.9368 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6800.0,1.00%,F,F)
333.9339 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4032.0,1.00%,F,F)
327.8847 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6404.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

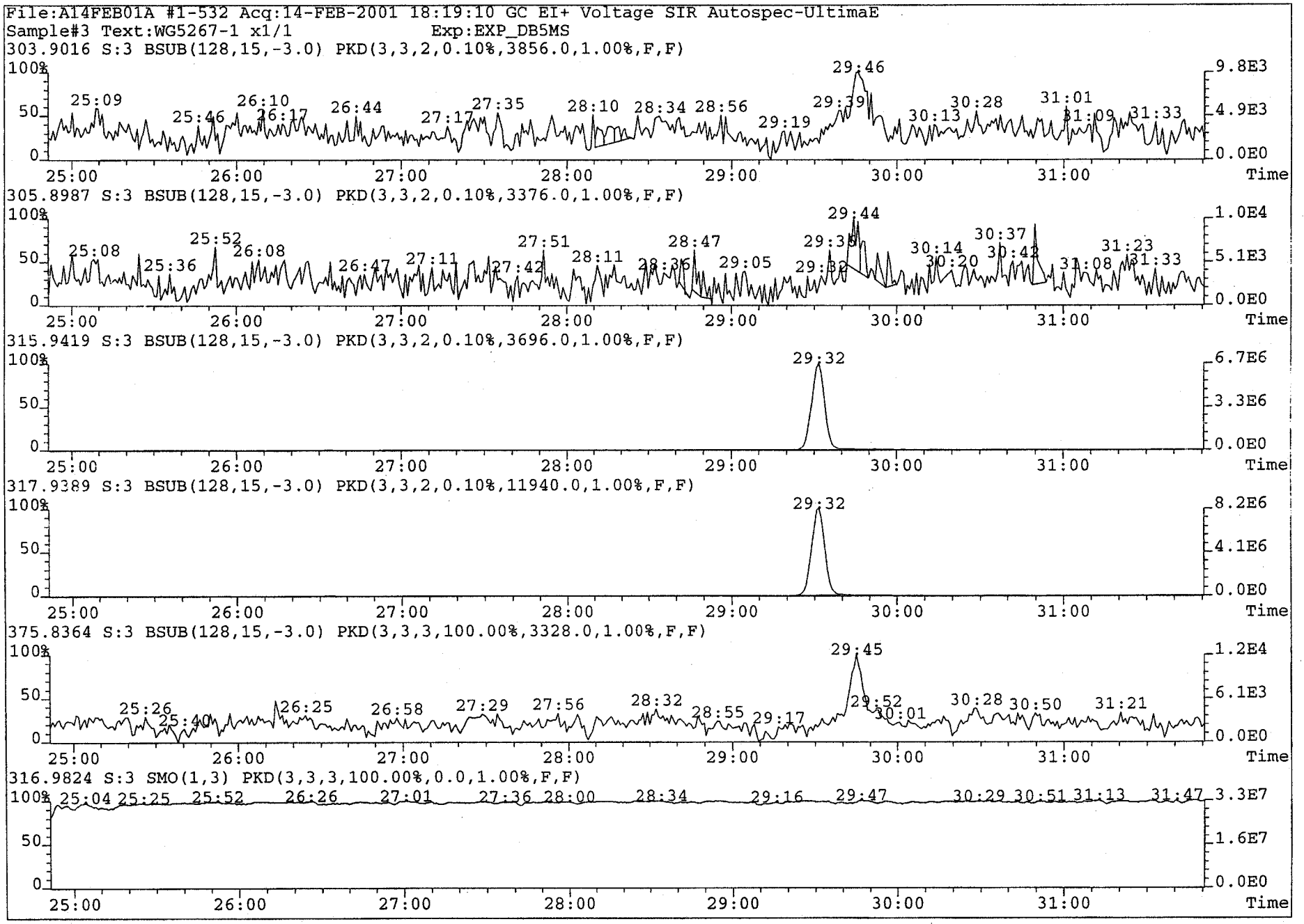

File:A14FEB01A #1-232 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
355.8546 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4336.0,1.00%,F,F)
357.8517 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3700.0,1.00%,F,F)
367.8949 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11596.0,1.00%,F,F)
369.8919 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5348.0,1.00%,F,F)
366.9792 S:3 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
32:51
33:26
31:56
32:11
32:21
32:36
33:04
33:33
33:38
33:43
33:53
34:12
3.3E4
1.7E4
0.0E0
32:06
32:24
32:37
32:46
33:03
33:11
33:15
33:32
33:47
33:59
34:11
1.5E4
7.3E3
33:37
1.0E7
5.1E6
6.6E6
3.3E6
32:11
32:28
32:44
32:58
33:16
33:27
33:44
34:02
2.7E7
1.4E7
32:00
32:12
32:24
32:36
32:48
33:00
33:12
33:24
33:36
33:48
34:00
34:12
Time

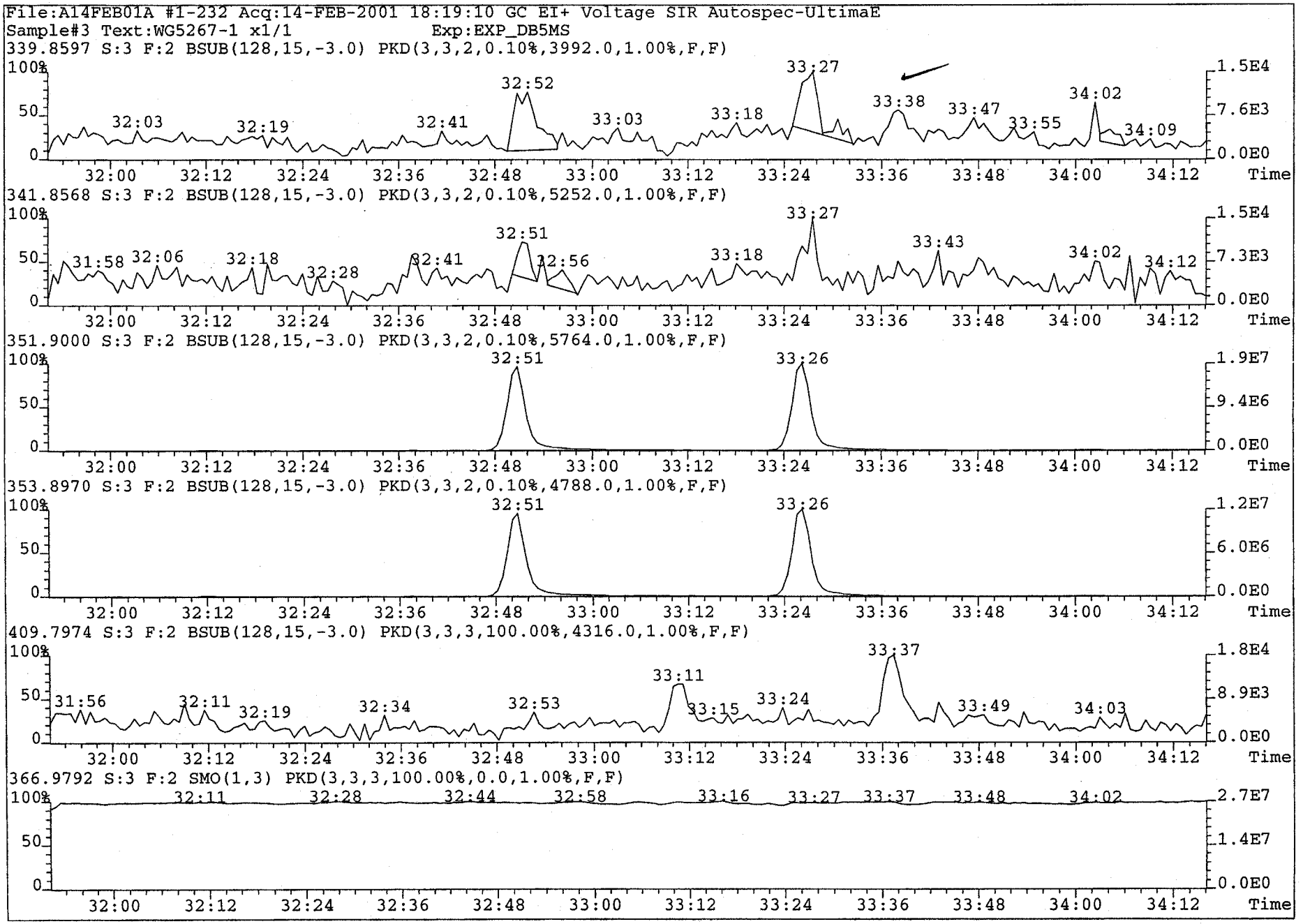

File:A14FEB01A #1-297 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
389.8156 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3880.0,1.00%,F,F)
391.8127 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4532.0,1.00%,F,F)
401.8559 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4172.0,1.00%,F,F)
403.8530 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4212.0,1.00%,F,F)
380.9760 S:3 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

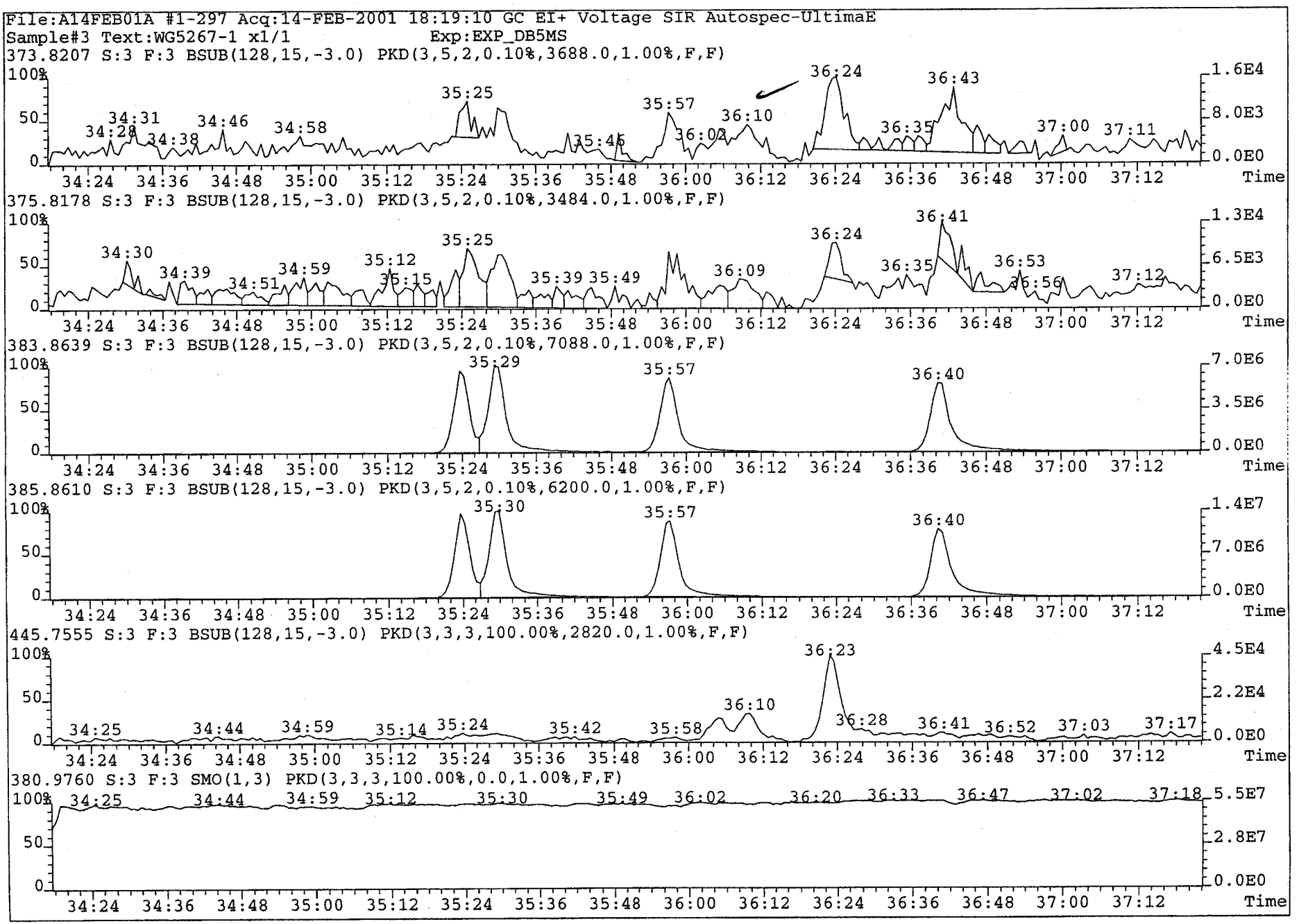

File:A14FEB01A #1-397 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
423.7767 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4012.0,1.00%,F,F)
425.7737 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4204.0,1.00%,F,F)
435.8169 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4260.0,1.00%,F,F)
437.8140 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3952.0,1.00%,F,F)
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
38:00
39:00
40:00
41:00
Time
1.7E4
8.4E3
0.0E0
1.3E4
6.5E3
4.2E6
2.1E6
3.9E6
2.0E6
3.0E7
1.5E7

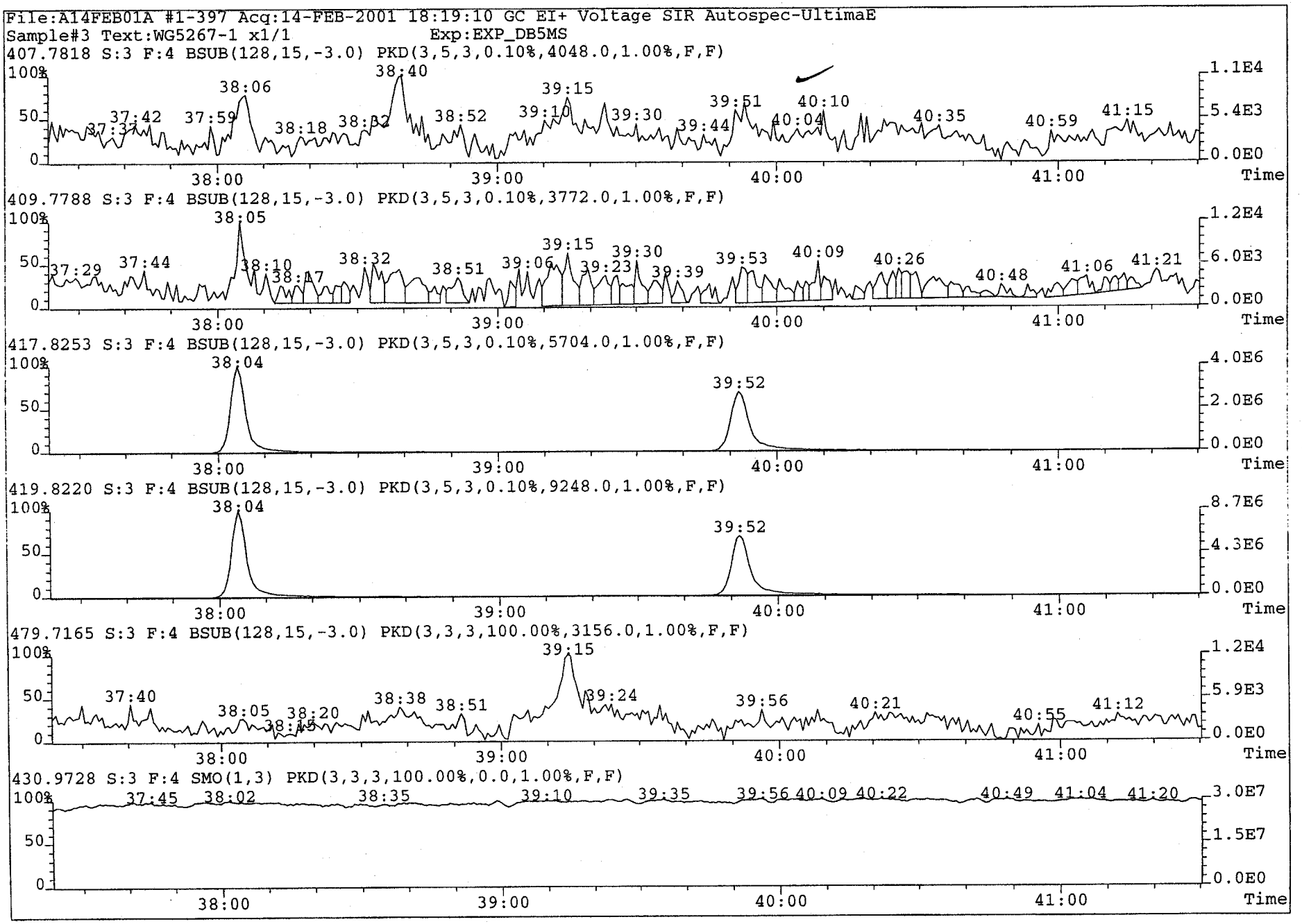

File:A14FEB01A #1-421 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
457.7377 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,19500.0,1.00%,F,F)
459.7348 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8404.0,1.00%,F,F)
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6052.0,1.00%,F,F)
471.7750 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4388.0,1.00%,F,F)
454.9728 S:3 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
3.0E4
1.5E4
0.0E0
2.8E4
1.4E4
3.2E6
1.6E6
3.9E6
1.9E6
4.6E7
2.3E7

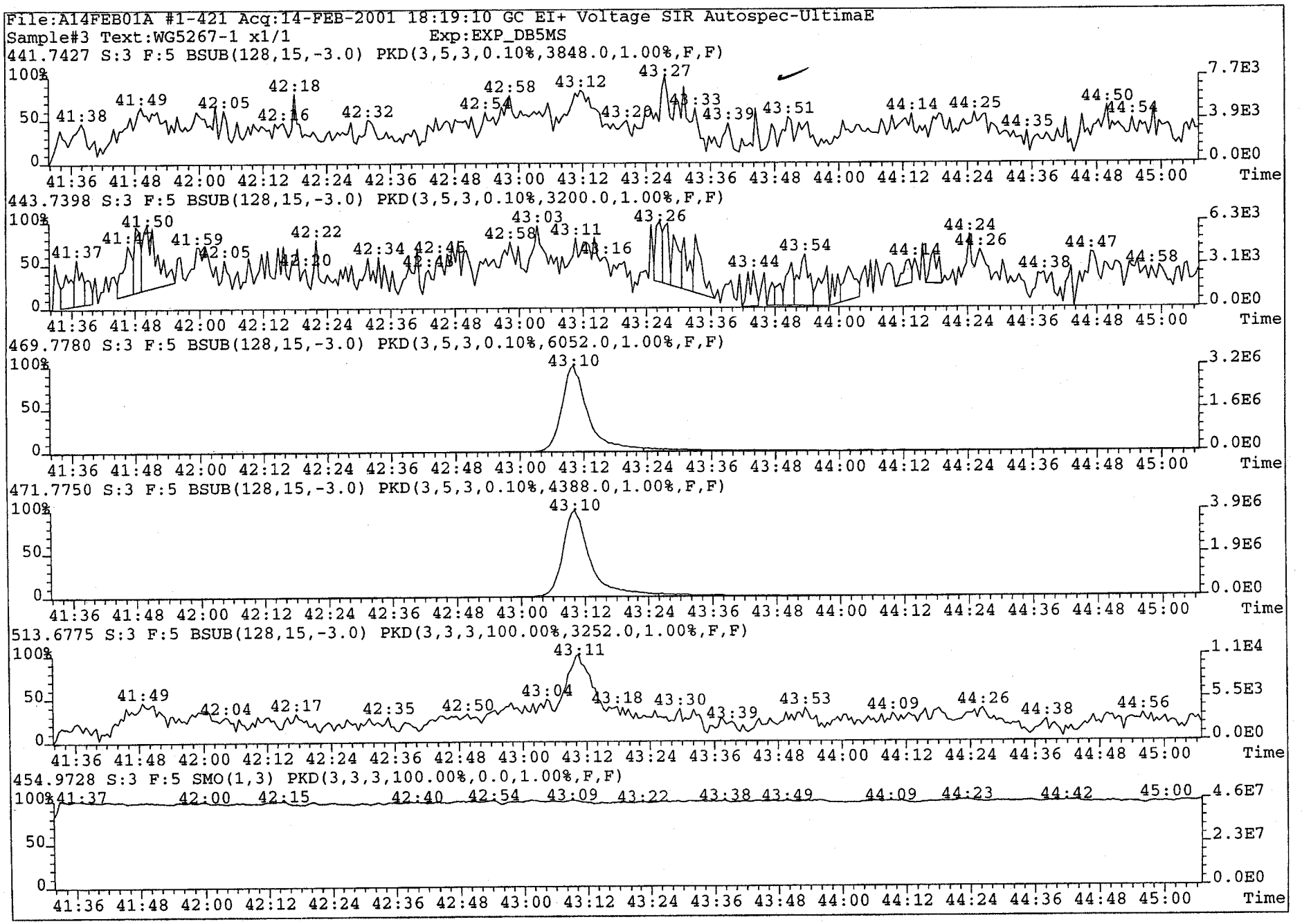

File:A14FEB01A #1-421 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
457.7377 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,19500.0,1.00%,F,F)
OCDD
459.7348 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8404.0,1.00%,F,F)
•=manual int.
2/19/01 HMP
Time

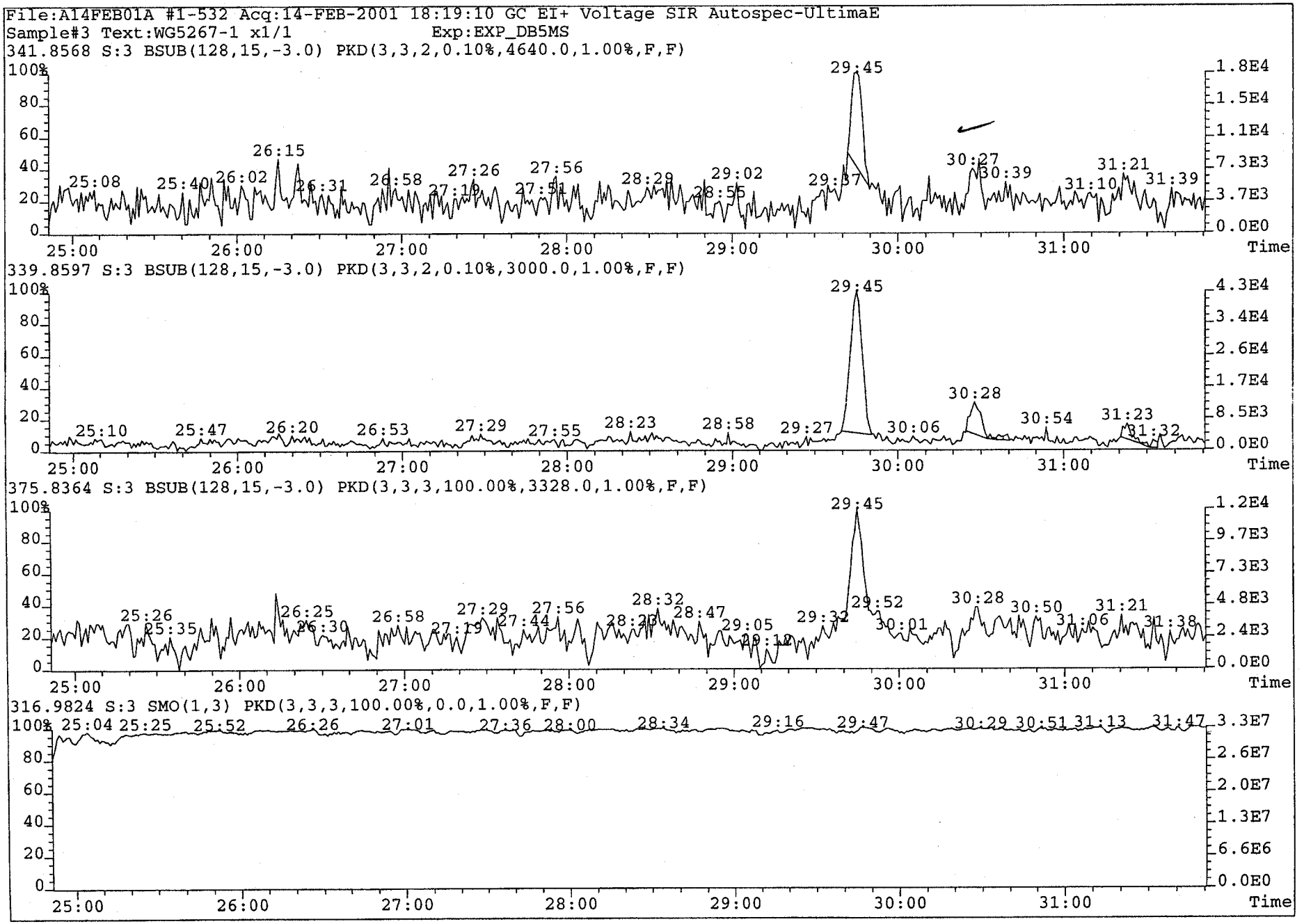

File:A14FEB01A #1-532 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
303.9016 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3856.0,1.00%,F,F)
305.8987 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3376.0,1.00%,F,F)
315.9419 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3696.0,1.00%,F,F)
317.9389 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11940.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3328.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A #1-232 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
339.8597 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3992.0,1.00%,F,F)
341.8568 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5252.0,1.00%,F,F)
351.9000 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5764.0,1.00%,F,F)
353.8970 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4788.0,1.00%,F,F)
409.7974 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4316.0,1.00%,F,F)
366.9792 S:3 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A #1-297 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
373.8207 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3688.0,1.00%,F,F)
375.8178 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3484.0,1.00%,F,F)
383.8639 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,7088.0,1.00%,F,F)
385.8610 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6200.0,1.00%,F,F)
445.7555 S:3 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2820.0,1.00%,F,F)
380.9760 S:3 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
Time
34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12


File:A14FEB01A #1-397 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
407.7818 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4048.0,1.00%,F,F)
409.7788 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3772.0,1.00%,F,F)
417.8253 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5704.0,1.00%,F,F)
419.8220 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,9248.0,1.00%,F,F)
479.7165 S:3 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3156.0,1.00%,F,F)
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
38:00
39:00
40:00
41:00
Time
1.1E4
5.4E3
0.0E0
1.2E4
6.0E3
4.0E6
2.0E6
8.7E6
4.3E6
5.9E3
3.0E7
1.5E7


File:A14FEB01A #1-421 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
441.7427 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3848.0,1.00%,F,F)
443.7398 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3200.0,1.00%,F,F)
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6052.0,1.00%,F,F)
471.7750 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4388.0,1.00%,F,F)
513.6775 S:3 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3252.0,1.00%,F,F)
454.9728 S:3 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A14FEB01A #1-532 Acq:14-FEB-2001 18:19:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5267-1 x1/1 Exp:EXP_DB5MS
341.8568 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4640.0,1.00%,F,F)
339.8597 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3000.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3328.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Analytical Results
for
Ongoing Precision Result (OPR)

Analyte	Spiked	AMT	REC	Range pg/ul		Flag
	pg/ul	pg/ul	%	Lower	Upper	
2,3,7,8-TCDD	5.00	4.73	94.5	3.4	7.9	
1,2,3,7,8-PeCDD	12.5	12.4	99.4	8.8	17.8	
1,2,3,4,7,8-HxCDD	12.5	11.9	94.9	8.8	20.5	
1,2,3,6,7,8-HxCDD	12.5	11.4	90.8	9.5	16.7	
1,2,3,7,8,9-HxCDD	12.5	11.9	94.9	8.0	20.3	
1,2,3,4,6,7,8-HpCDD	12.5	13.3	106	8.8	17.5	
OCDD	25.0	26.4	106	19.5	36.0	
2,3,7,8-TCDF	5.00	4.86	97.1	3.8	7.9	
1,2,3,7,8-PeCDF	12.5	12.5	100.0	10.0	16.8	
2,3,4,7,8-PeCDF	12.5	12.0	96.3	8.5	20.0	
1,2,3,4,7,8-HxCDF	12.5	12.6	101	9.0	16.8	
1,2,3,6,7,8-HxCDF	12.5	12.8	102	10.5	16.3	
2,3,4,6,7,8-HxCDF	12.5	13.6	108	8.8	19.5	
1,2,3,7,8,9-HxCDF	12.5	11.6	93.1	9.8	16.3	
1,2,3,4,6,7,8-HpCDF	12.5	11.2	89.9	10.3	15.3	
1,2,3,4,7,8,9-HpCDF	12.5	10.9	87.4	9.8	17.3	
OCDF	25.0	28.5	114	18.5	36.5	

= Outside range limits
* = Ion Ratio Out

QC Information

OPR Project No:	WG5267
Extraction Date:	13-Feb-01
Analysis Date:	14-FEB-01
Method:	1613

Sample Information

Matrix:	Aqueous

File Information

OPR Filename :	a14feb01a-2
Retchk:	a14feb01a-1
Begin ConCal:	a14feb01a-1
Initial Cal:	m1613-052699m

Analytical Results
for
Ongoing Precision Result (OPR)

Labeled Standard	Spiked pg/ul	AMT pg/ul	REC %	Range pg/ul Lower	Range pg/ul Upper	Flag
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	50.0	21.2	42.3	10	87.5	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	50.0	26.8	53.6	10.5	113.5	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	50.0	27.4	54.9	10.5	96.5	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	50.0	36.0	72.0	12.5	81.5	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	50.0	27.7	55.3	13	83	
$^{13}C_{12}$-OCDD	100	44.9	44.9	13	198.5	
$^{13}C_{12}$-2,3,7,8-TCDF	50.0	25.3	50.5	11	76	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	50.0	27.7	55.4	10.5	96	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	50.0	32.4	64.9	6.5	164	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	50.0	28.9	57.7	9.5	101	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	50.0	33.6	67.2	10.5	79.5	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	50.0	32.0	63.9	22	88	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	50.0	40.2	80.5	8.5	102.5	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	50.0	35.2	70.4	10.5	79	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	50.0	34.9	69.9	10	93	
Cleanup Standards						
$^{37}C_{14}$-2,3,7,8-TCDD	20.0	11.3	56.7	6.2	38.2	

QC Information

OPR Project No:	WG5267
Extraction Date:	13-Feb-01
Analysis Date:	14-FEB-01
Method:	1613

Sample Information

Matrix:	Aqueous

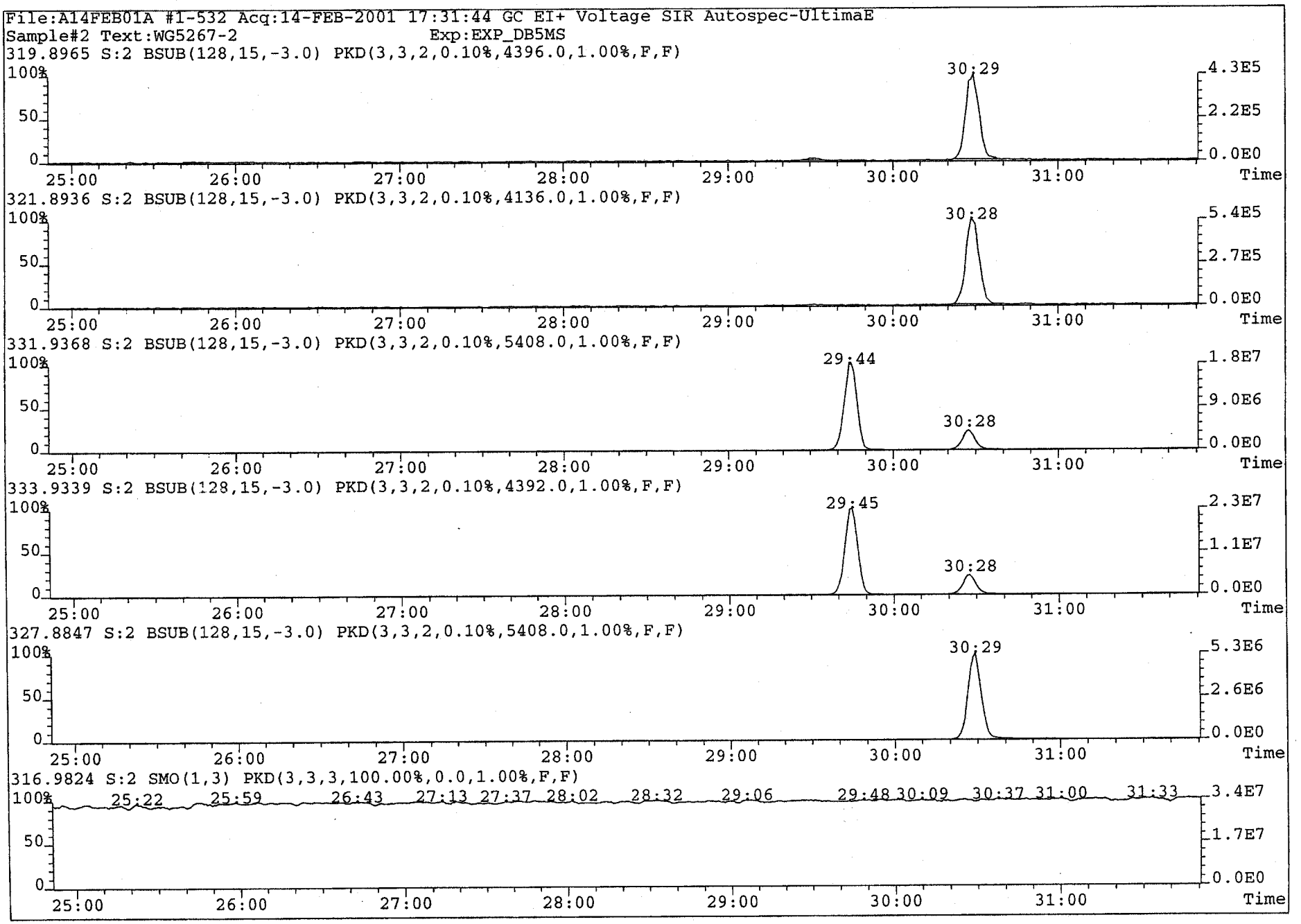
File Information

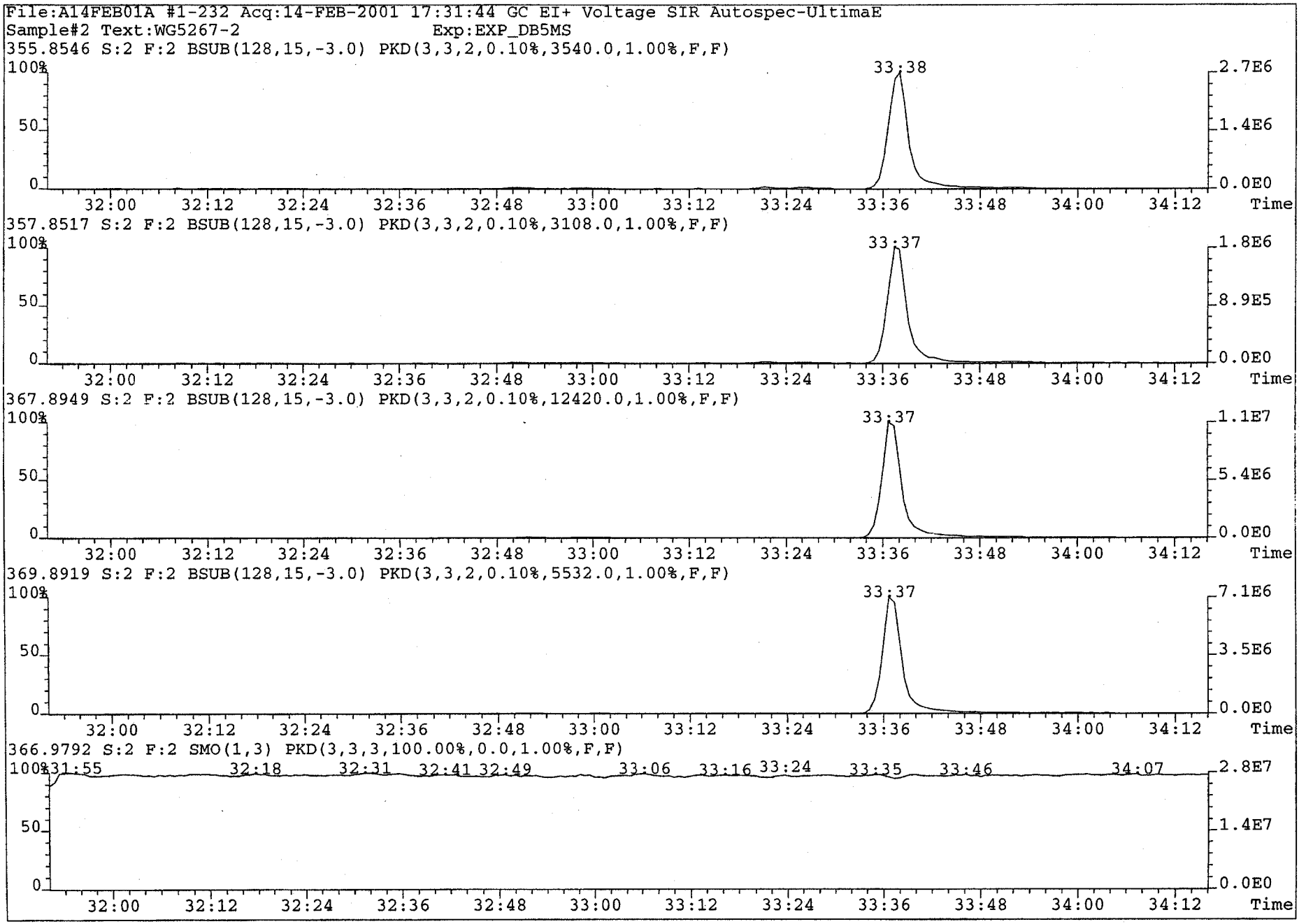
OPR Filename :	a14feb01a-2
Retchk:	a14feb01a-1
Begin ConCal:	a14feb01a-1
Initial Cal:	m1613-052699m

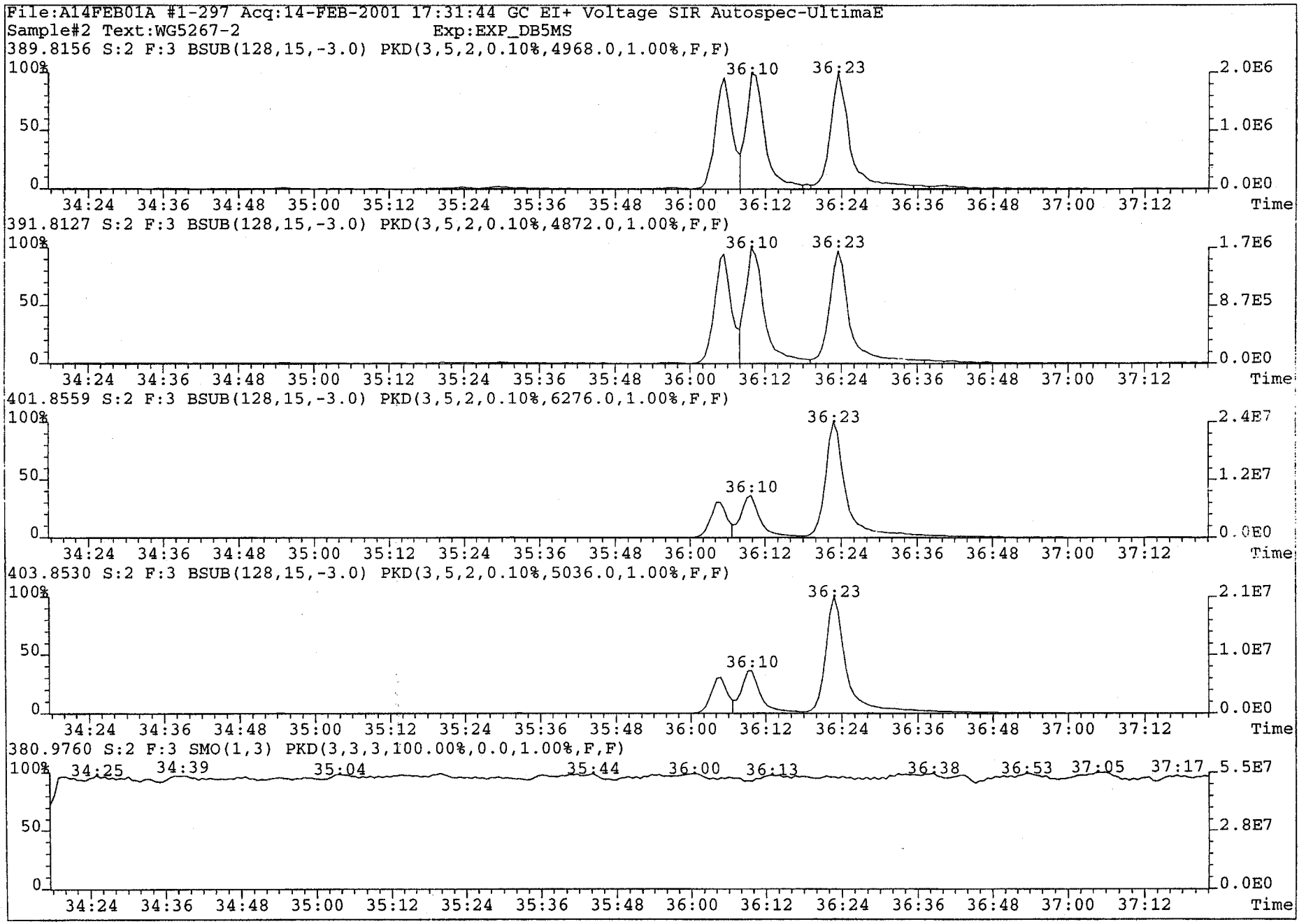
Reviewed by: _____ Date Reviewed: 2/20/01

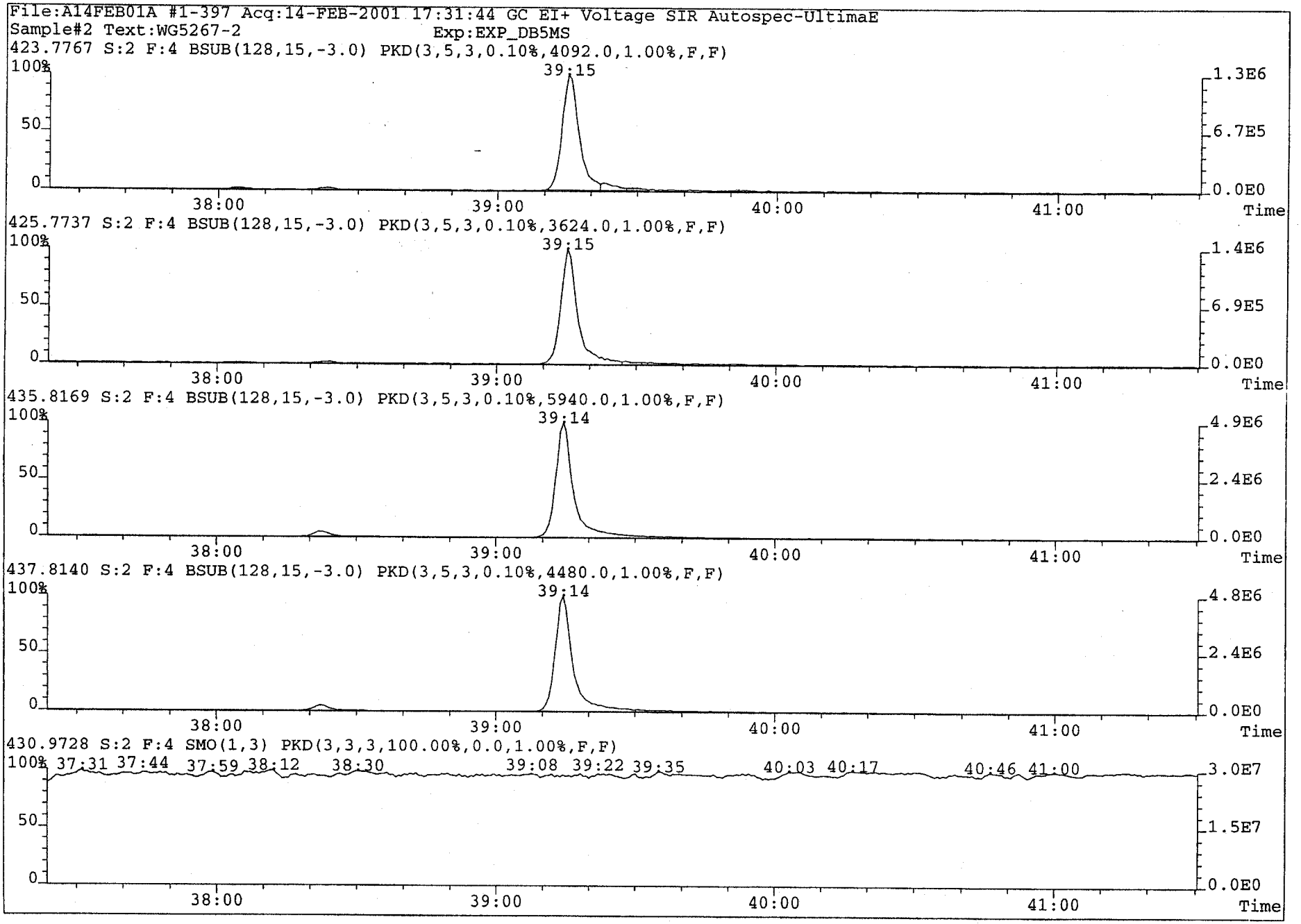
Filename ; a14feb01a
Sample ; 2
Acquired ; 14-FEB-01 17:31:44
Processed ; 15-FEB-01 08:33:43
Sample ID ; WG5267-2
Cal Table ; m1613-052699m
Results Table ; M1613-021401A
Comments ;

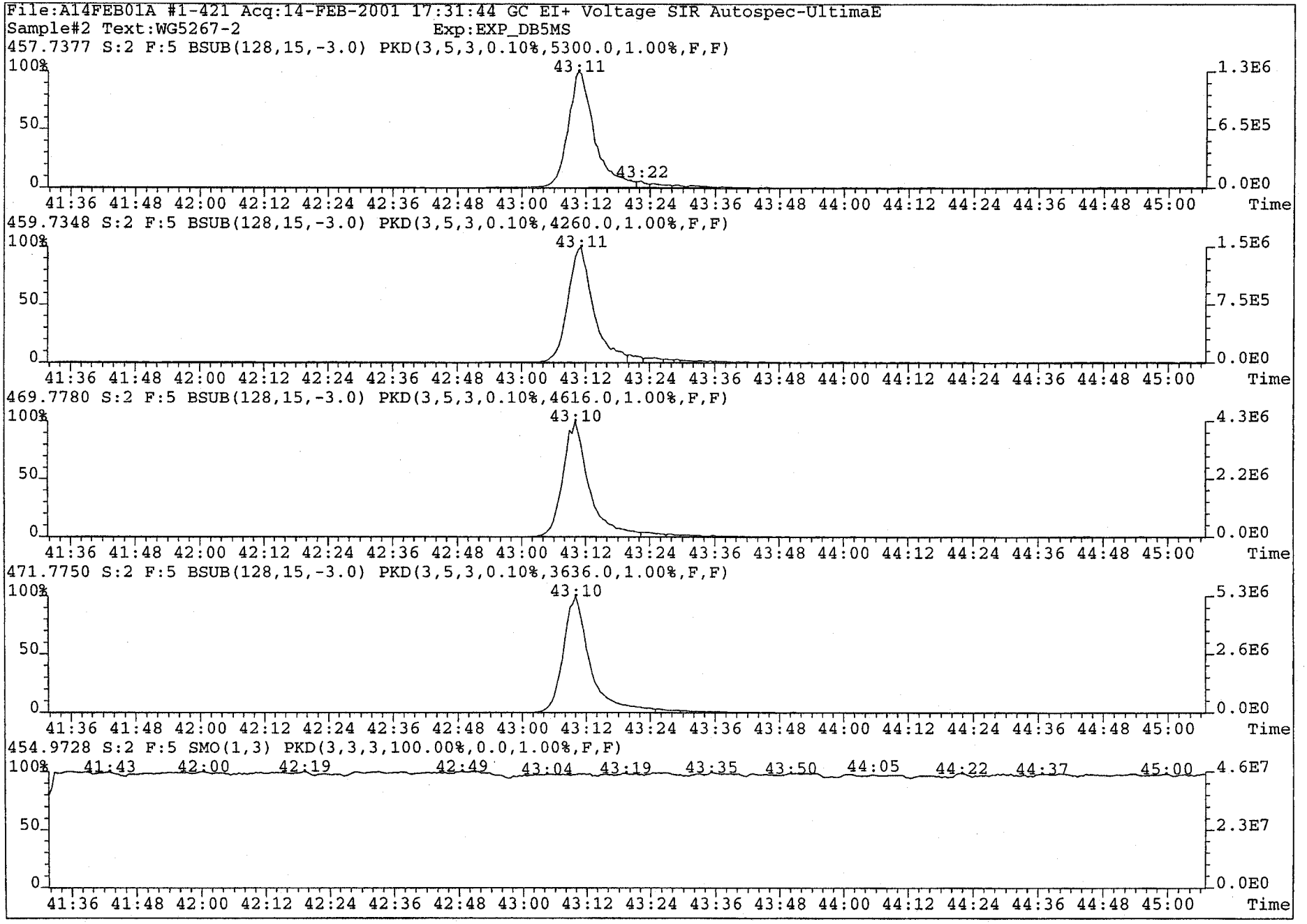
Typ	Name	Resp	Ion 1	Ion 2	RA;?;	RT;	Conc;	DL;	S/N1;?;	S/N2;? ;	mod?
Unk	2,3,7,8-TCDD	5.24e+06	2.30e+06	2.94e+06	0.78;y;	30:29;	9.454;	0.2417;	97;y;	130;y ;	no
Unk	1,2,3,7,8-PeCDD	1.28e+07	7.73e+06	5.07e+06	1.52;y;	33:38;	24.838;	0.1076;	773;y;	573;y ;	no
Unk	1,2,3,4,7,8-HxCDD	1.07e+07	5.71e+06	4.97e+06	1.15;y;	36:05;	23.736;	0.1902;	384;y;	336;y ;	no
Unk	1,2,3,6,7,8-HxCDD	1.27e+07	6.71e+06	6.02e+06	1.11;y;	36:11;	22.710;	0.1881;	397;y;	356;y ;	no
Unk	1,2,3,7,8,9-HxCDD	1.31e+07	6.92e+06	6.19e+06	1.12;y;	36:24;	23.734;	0.1728;	401;y;	346;y ;	no
Unk	1,2,3,4,6,7,8-HpCDD	1.14e+07	5.55e+06	5.82e+06	0.95;y;	39:16;	26.524;	0.2390;	325;y;	379;y ;	no
Unk	OCDD	1.53e+07	7.18e+06	8.13e+06	0.88;y;	43:12;	52.890;	0.5530;	244;y;	353;y ;	no
Unk	2,3,7,8-TCDF	8.69e+06	3.72e+06	4.97e+06	0.75;y;	29:32;	9.711;	0.1349;	199;y;	240;y ;	no
Unk	1,2,3,7,8-PeCDF	2.10e+07	1.27e+07	8.30e+06	1.53;y;	32:51;	24.992;	0.1184;	1271;y;	354;y ;	no
Unk	2,3,4,7,8-PeCDF	2.42e+07	1.46e+07	9.62e+06	1.52;y;	33:27;	24.063;	0.0998;	1539;y;	407;y ;	no
Unk	1,2,3,4,7,8-HxCDF	1.89e+07	1.02e+07	8.71e+06	1.17;y;	35:24;	25.267;	0.1199;	630;y;	591;y ;	no
Unk	1,2,3,6,7,8-HxCDF	2.33e+07	1.27e+07	1.06e+07	1.20;y;	35:31;	25.511;	0.1155;	719;y;	656;y ;	no
Unk	2,3,4,6,7,8-HxCDF	2.11e+07	1.16e+07	9.56e+06	1.21;y;	35:58;	27.113;	0.1319;	672;y;	586;y ;	no
Unk	1,2,3,7,8,9-HxCDF	2.08e+07	1.14e+07	9.45e+06	1.20;y;	36:42;	23.286;	0.1382;	521;y;	477;y ;	no
Unk	1,2,3,4,6,7,8-HpCDF	1.93e+07	9.55e+06	9.77e+06	0.98;y;	38:05;	22.470;	0.1408;	564;y;	400;y ;	no
Unk	1,2,3,4,7,8,9-HpCDF	1.53e+07	7.60e+06	7.71e+06	0.99;y;	39:53;	21.850;	0.2038;	427;y;	271;y ;	no
Unk	OCDF	2.03e+07	9.28e+06	1.10e+07	0.85;y;	43:28;	57.082;	0.3815;	408;y;	522;y ;	no
ES/RT	13C-2,3,7,8-TCDD	4.69e+07	2.07e+07	2.62e+07	0.79;y;	30:28;	21.164;	0.0685;	732;y;	1141;y ;	no
ES	13C-1,2,3,7,8-PeCDD	5.00e+07	3.04e+07	1.96e+07	1.55;y;	33:37;	26.778;	0.1489;	877;y;	1281;y ;	no
ES	13C-1,2,3,4,7,8-HxCDD	3.95e+07	2.14e+07	1.81e+07	1.18;y;	36:04;	27.446;	0.0887;	1172;y;	1249;y ;	no
ES	13C-1,2,3,6,7,8-HxCDD	5.77e+07	3.11e+07	2.66e+07	1.17;y;	36:10;	35.975;	0.0797;	1393;y;	1474;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDD	4.26e+07	2.16e+07	2.09e+07	1.03;y;	39:16;	27.669;	0.0765;	819;y;	1062;y ;	no
ES	13C-OCDD	5.38e+07	2.39e+07	2.99e+07	0.80;y;	43:11;	44.920;	0.0778;	939;y;	1455;y ;	no
ES/RT	13C-2,3,7,8-TCDF	7.94e+07	3.55e+07	4.39e+07	0.81;y;	29:31;	25.255;	0.0788;	1574;y;	713;y ;	no
ES	13C-1,2,3,7,8-PeCDF	7.97e+07	4.84e+07	3.13e+07	1.54;y;	32:51;	27.704;	0.0894;	6499;y;	859;y ;	no
ES	13C-2,3,4,7,8-PeCDF	8.84e+07	5.39e+07	3.45e+07	1.56;y;	33:26;	32.439;	0.0943;	6998;y;	960;y ;	no
ES	13C-1,2,3,4,7,8-HxCDF	6.04e+07	1.99e+07	4.05e+07	0.49;y;	35:24;	28.850;	0.0991;	829;y;	1448;y ;	no
ES	13C-1,2,3,6,7,8-HxCDF	7.59e+07	2.51e+07	5.07e+07	0.50;y;	35:30;	33.613;	0.0919;	882;y;	1554;y ;	no
ES	13C-2,3,4,6,7,8-HxCDF	6.75e+07	2.28e+07	4.48e+07	0.51;y;	35:57;	31.959;	0.0982;	825;y;	1400;y ;	no
ES	13C-1,2,3,7,8,9-HxCDF	7.01e+07	2.29e+07	4.72e+07	0.49;y;	36:41;	40.229;	0.1191;	699;y;	1213;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDF	5.87e+07	1.82e+07	4.06e+07	0.45;y;	38:05;	35.176;	0.1277;	553;y;	1003;y ;	no
ES	13C-1,2,3,4,7,8,9-HpCDF	4.81e+07	1.50e+07	3.31e+07	0.45;y;	39:52;	34.948;	0.1549;	384;y;	699;y ;	no
JS	13C-1,2,3,4-TCDD	2.09e+08	9.28e+07	1.16e+08	0.80;y;	29:45;	103.312;	-;	3315;y;	5125;y ;	no
JS	13C-1,2,3,7,8,9-HxCDD	1.68e+08	9.07e+07	7.74e+07	1.17;y;	36:24;	101.995;	-;	3836;y;	4083;y ;	no
CS	37Cl-2,3,7,8-TCDD	2.78e+07	2.78e+07			; 30:29;	11.345;	0.0342;	972;y	;	no

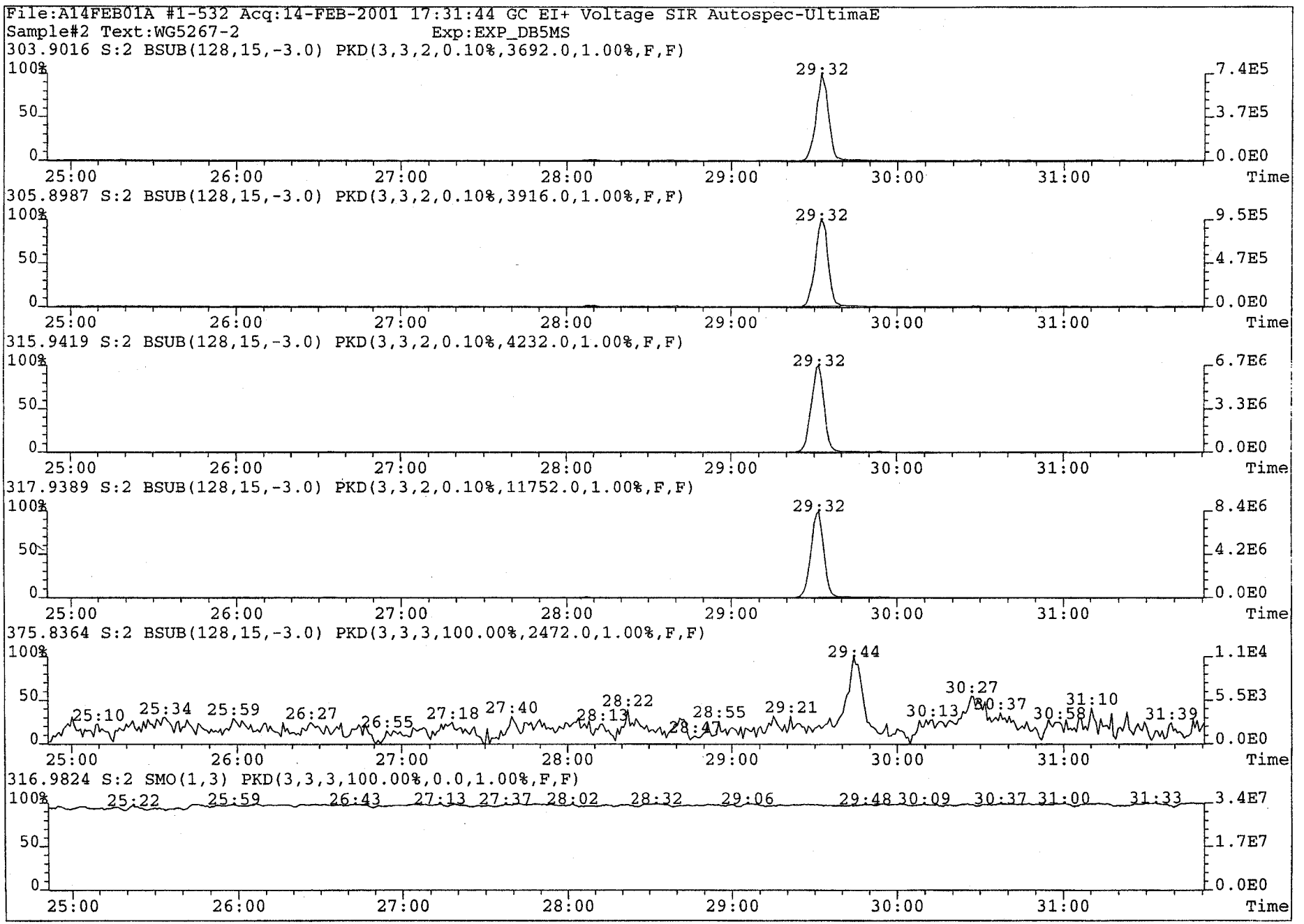

File:A14FEB01A #1-532 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
319.8965 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4396.0,1.00%,F,F)
30:29
4.3E5
2.2E5
0.0E0
321.8936 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4136.0,1.00%,F,F)
30:28
5.4E5
2.7E5
0.0E0
331.9368 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5408.0,1.00%,F,F)
29:44
30:28
1.8E7
9.0E6
0.0E0
333.9339 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4392.0,1.00%,F,F)
29:45
30:28
2.3E7
1.1E7
0.0E0
327.8847 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5408.0,1.00%,F,F)
30:29
5.3E6
2.6E6
0.0E0
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:22 25:59 26:43 27:13 27:37 28:02 28:32 29:06 29:48 30:09 30:37 31:00 31:33
3.4E7
1.7E7
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time

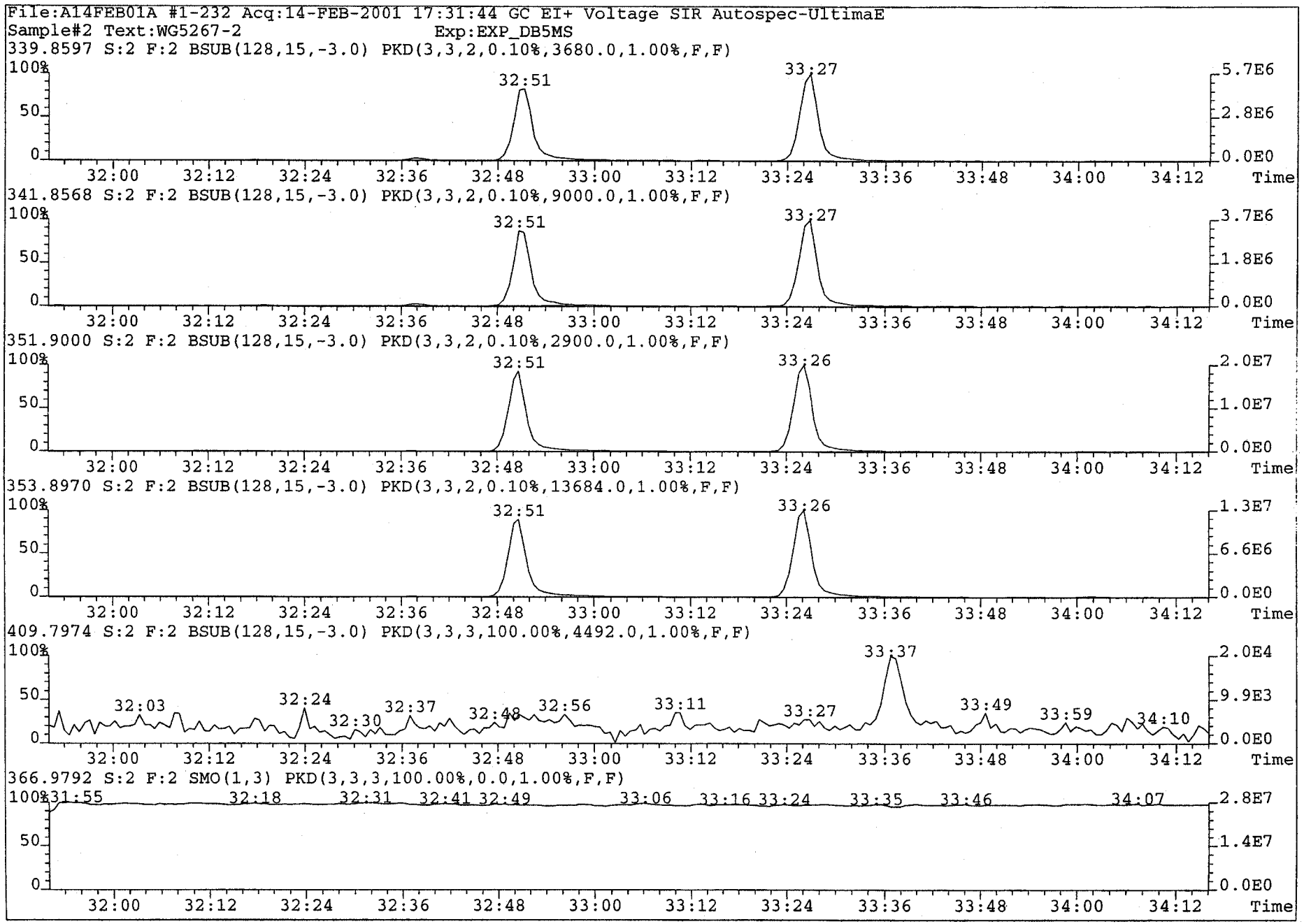

File:A14FEB01A #1-232 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
355.8546 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3540.0,1.00%,F,F)
33:38
2.7E6
1.4E6
0.0E0
357.8517 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3108.0,1.00%,F,F)
33:37
1.8E6
8.9E5
0.0E0
367.8949 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,12420.0,1.00%,F,F)
33:37
1.1E7
5.4E6
0.0E0
369.8919 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5532.0,1.00%,F,F)
33:37
7.1E6
3.5E6
0.0E0
366.9792 S:2 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
31:55 32:18 32:31 32:41 32:49 33:06 33:16 33:24 33:35 33:46 34:07
2.8E7
1.4E7
0.0E0
100%
50
0
32:00 32:12 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12
Time

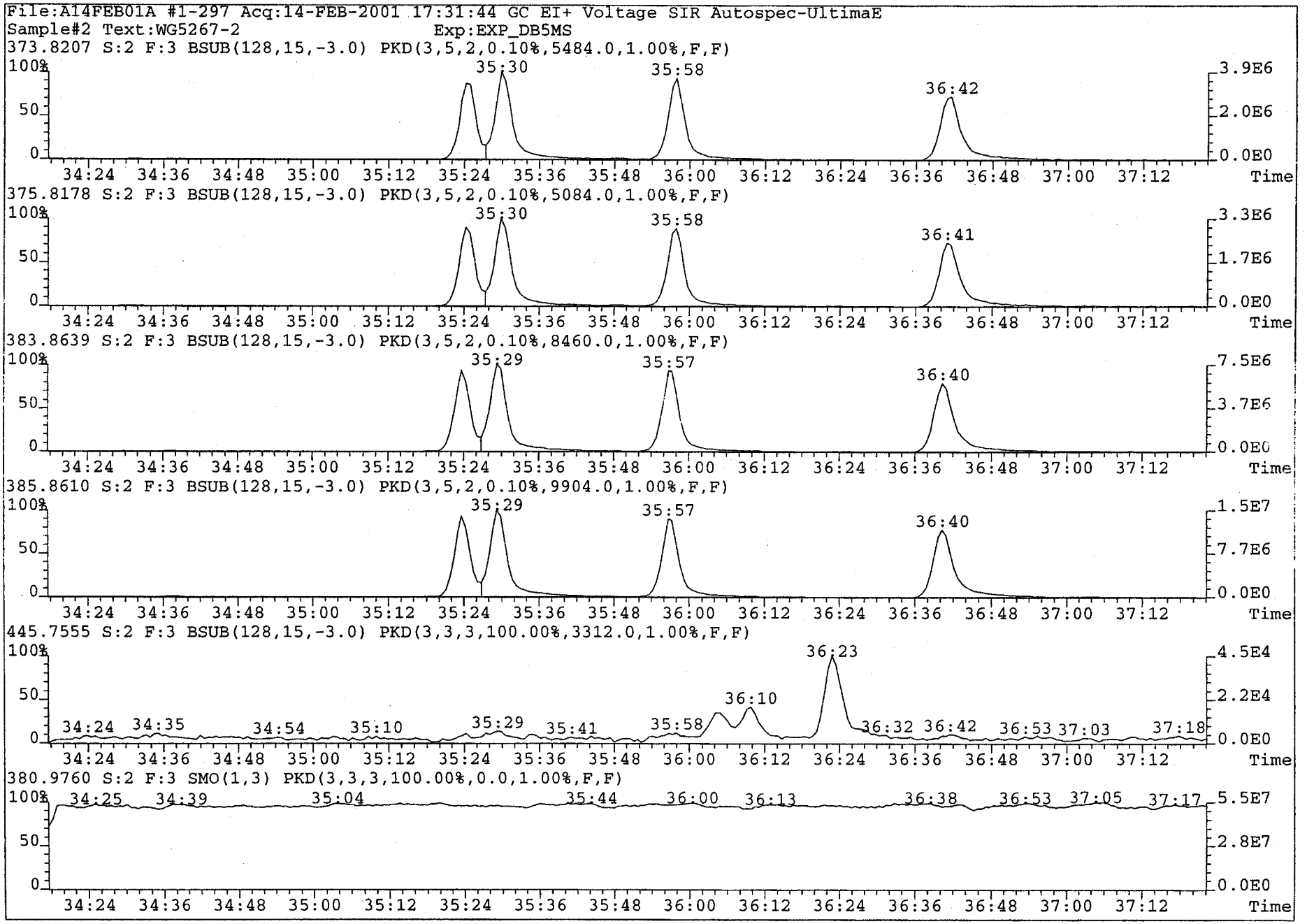

File:A14FEB01A #1-297 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
389.8156 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4968.0,1.00%,F,F)
391.8127 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4872.0,1.00%,F,F)
401.8559 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6276.0,1.00%,F,F)
403.8530 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5036.0,1.00%,F,F)
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
36:10
36:23
34:25
34:39
35:04
35:44
36:00
36:13
36:38
36:53
37:05
37:17
100%
50
0
2.0E6
1.0E6
0.0E0
1.7E6
8.7E5
2.4E7
1.2E7
2.1E7
1.0E7
5.5E7
2.8E7
34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12
Time

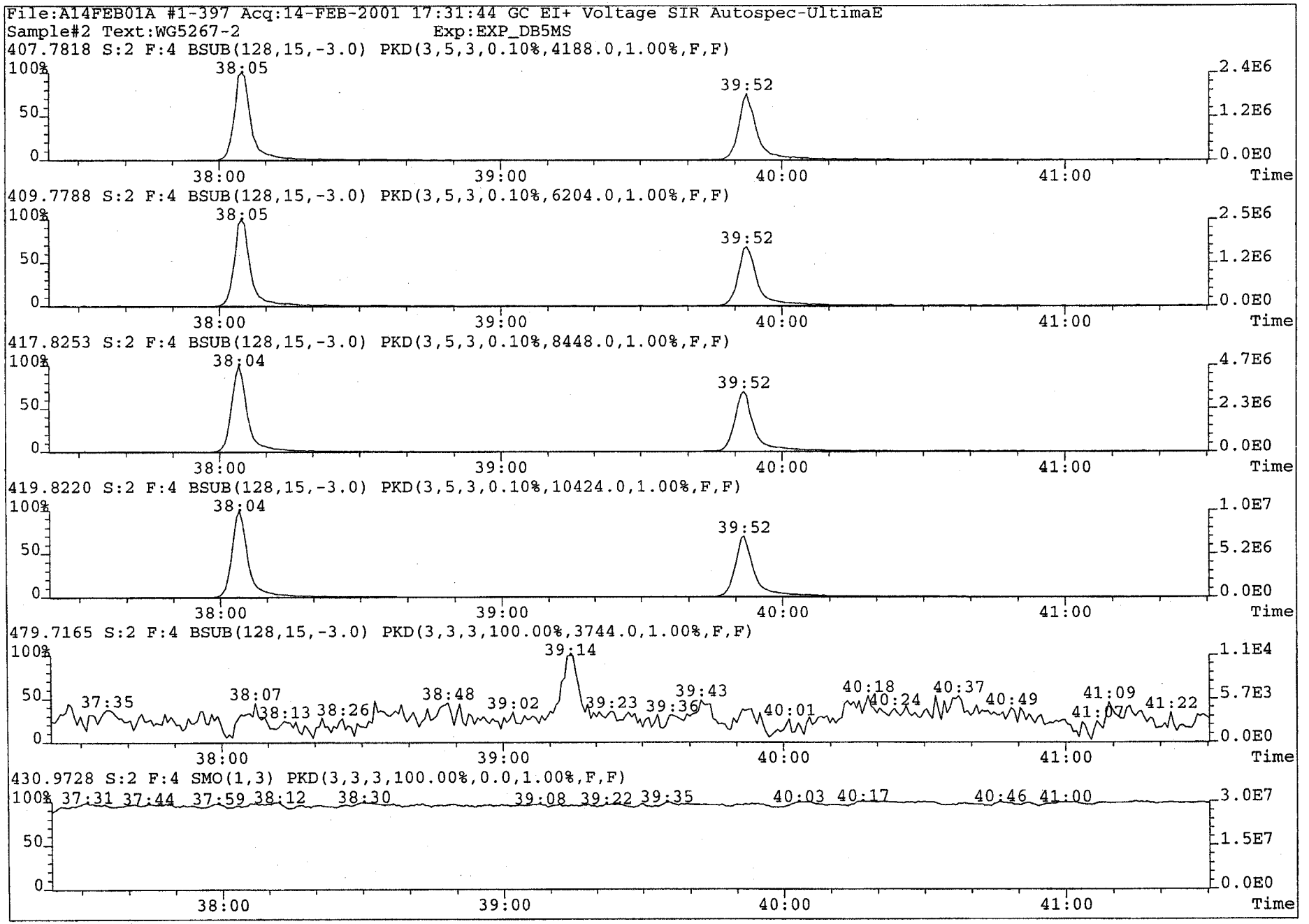

File:A14FEB01A #1-397 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
423.7767 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4092.0,1.00%,F,F)
39:15
1.3E6
6.7E5
0.0E0
425.7737 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3624.0,1.00%,F,F)
39:15
1.4E6
6.9E5
0.0E0
435.8169 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5940.0,1.00%,F,F)
39:14
4.9E6
2.4E6
0.0E0
437.8140 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4480.0,1.00%,F,F)
39:14
4.8E6
2.4E6
0.0E0
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:31 37:44 37:59 38:12 38:30 39:08 39:22 39:35 40:03 40:17 40:46 41:00
3.0E7
1.5E7
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

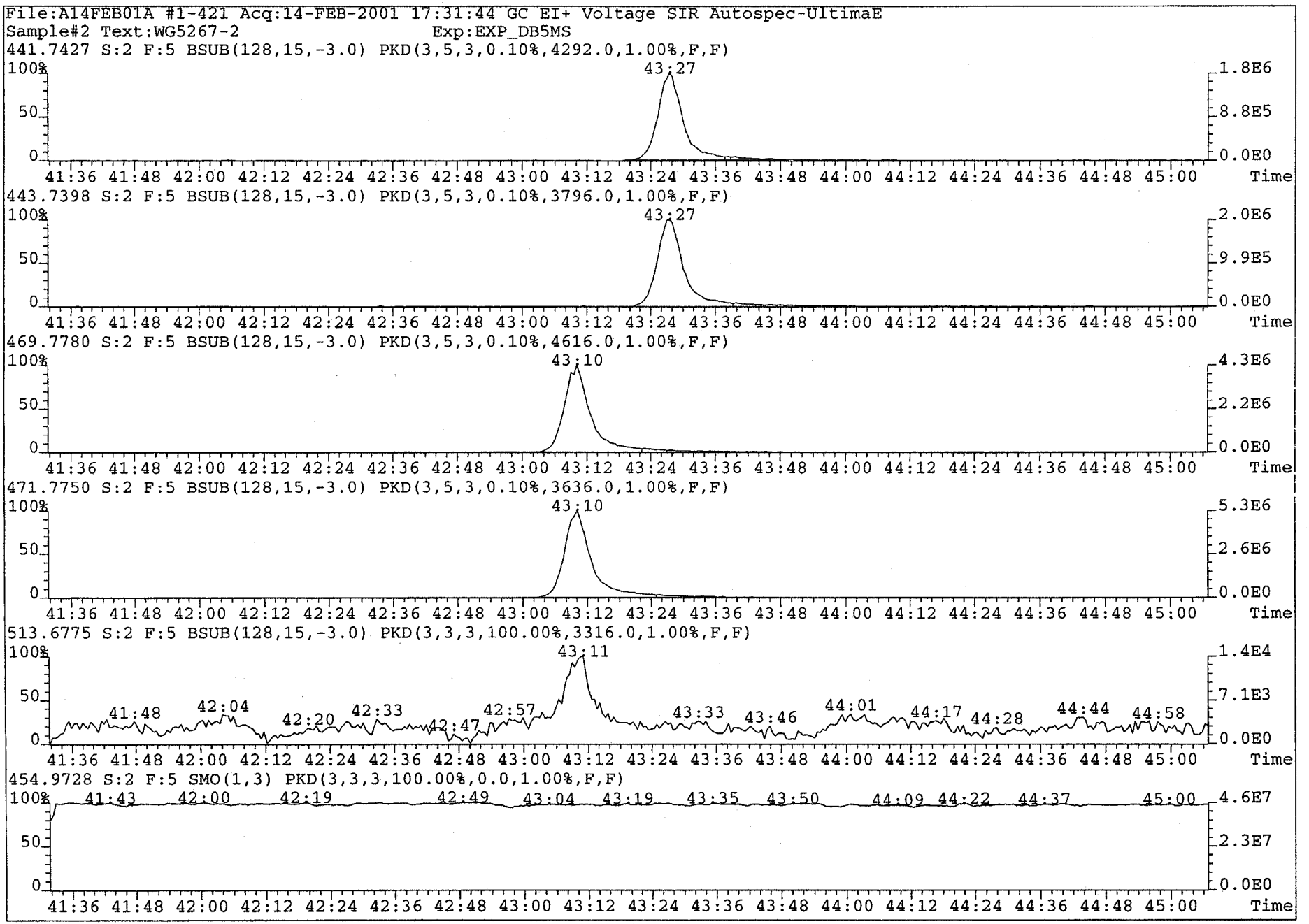

File:A14FEB01A #1-421 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
457.7377 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5300.0,1.00%,F,F)
43:11
43:22
1.3E6
6.5E5
0.0E0
459.7348 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4260.0,1.00%,F,F)
43:11
1.5E6
7.5E5
0.0E0
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4616.0,1.00%,F,F)
43:10
4.3E6
2.2E6
0.0E0
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3636.0,1.00%,F,F)
43:10
5.3E6
2.6E6
0.0E0
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:43 42:00 42:19 42:49 43:04 43:19 43:35 43:50 44:05 44:22 44:37 45:00
4.6E7
2.3E7
0.0E0
100%
50
0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time

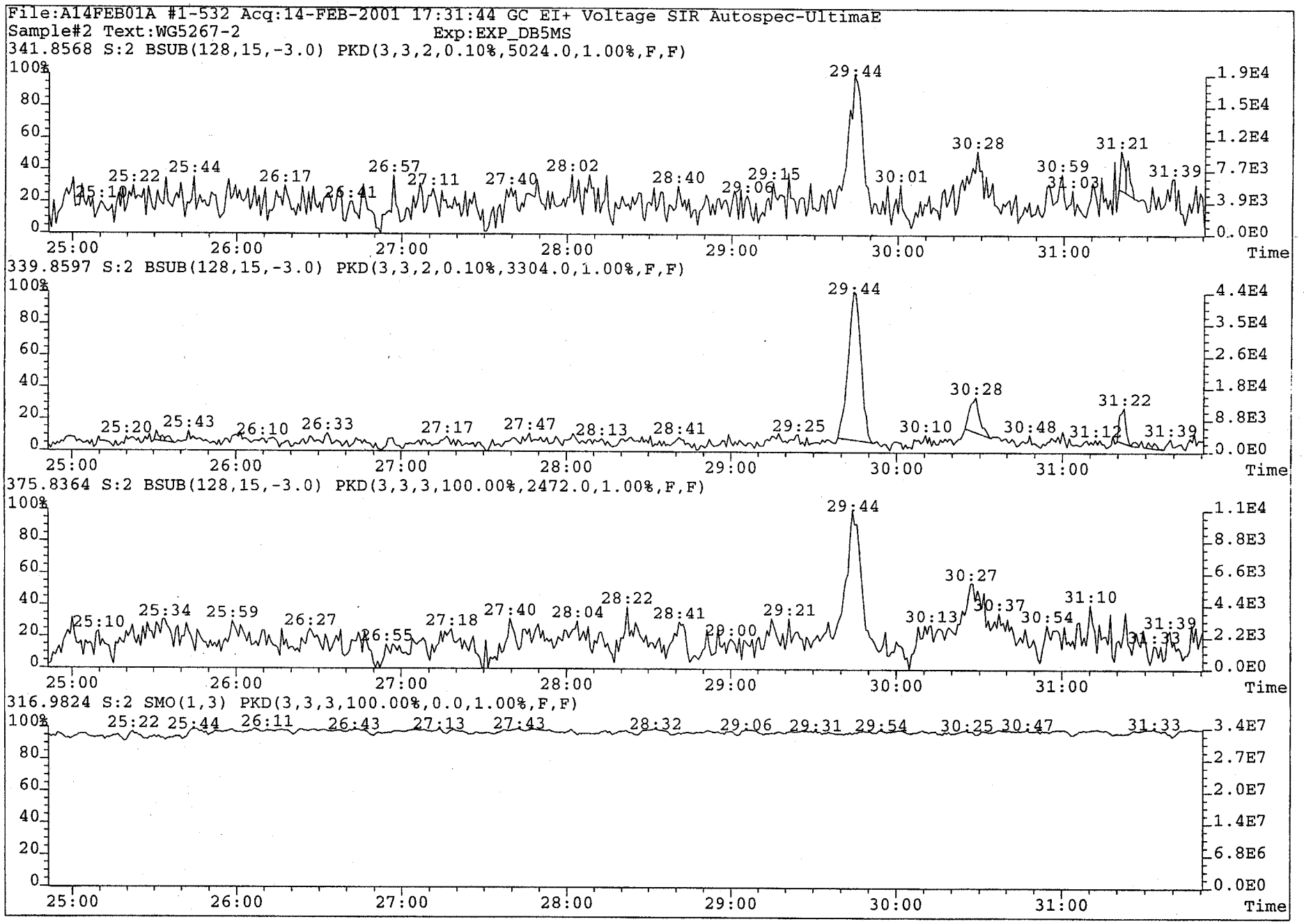

File:A14FEB01A #1-532 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
303.9016 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3692.0,1.00%,F,F)
29:32
7.4E5
3.7E5
0.0E0
305.8987 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3916.0,1.00%,F,F)
29:32
9.5E5
4.7E5
0.0E0
315.9419 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4232.0,1.00%,F,F)
29:32
6.7E6
3.3E6
0.0E0
317.9389 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11752.0,1.00%,F,F)
29:32
8.4E6
4.2E6
0.0E0
375.8364 S:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2472.0,1.00%,F,F)
29:44
1.1E4
5.5E3
0.0E0
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
3.4E7
1.7E7
0.0E0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time


File:A14FEB01A #1-232 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
339.8597 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3680.0,1.00%,F,F)
32:51
33:27
5.7E6
2.8E6
0.0E0
341.8568 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,9000.0,1.00%,F,F)
32:51
33:27
3.7E6
1.8E6
0.0E0
351.9000 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2900.0,1.00%,F,F)
32:51
33:26
2.0E7
1.0E7
0.0E0
353.8970 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,13684.0,1.00%,F,F)
32:51
33:26
1.3E7
6.6E6
0.0E0
409.7974 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4492.0,1.00%,F,F)
32:03
32:24
32:30
32:37
32:48
32:56
33:11
33:27
33:37
33:49
33:59
34:10
2.0E4
9.9E3
0.0E0
366.9792 S:2 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
31:55
32:18
32:31
32:41
32:49
33:06
33:16
33:24
33:35
33:46
34:07
2.8E7
1.4E7
0.0E0
100%
50
0
32:00
32:12
32:24
32:36
32:48
33:00
33:12
33:24
33:36
33:48
34:00
34:12
Time


File:A14FEB01A #1-297 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
373.8207 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5484.0,1.00%,F,F)
35:30
35:58
36:42
3.9E6
2.0E6
0.0E0
375.8178 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5084.0,1.00%,F,F)
35:30
35:58
36:41
3.3E6
1.7E6
0.0E0
383.8639 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8460.0,1.00%,F,F)
35:29
35:57
36:40
7.5E6
3.7E6
0.0E0
385.8610 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,9904.0,1.00%,F,F)
35:29
35:57
36:40
1.5E7
7.7E6
0.0E0
445.7555 S:2 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3312.0,1.00%,F,F)
36:23
36:10
34:24 34:35 34:54 35:10 35:29 35:41 35:58 36:32 36:42 36:53 37:03 37:18
4.5E4
2.2E4
0.0E0
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:25 34:39 35:04 35:44 36:00 36:13 36:38 36:53 37:05 37:17
5.5E7
2.8E7
0.0E0
100%
50
0
34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12
Time


File:A14FEB01A #1-397 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
407.7818 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4188.0,1.00%,F,F)
38:05
39:52
409.7788 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6204.0,1.00%,F,F)
38:05
39:52
417.8253 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8448.0,1.00%,F,F)
38:04
39:52
419.8220 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,10424.0,1.00%,F,F)
38:04
39:52
479.7165 S:2 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3744.0,1.00%,F,F)
39:14
37:35 38:07 38:13 38:26 38:48 39:02 39:23 39:36 39:43 40:01 40:18 40:24 40:37 40:49 41:09 41:22
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:31 37:44 37:59 38:12 38:30 39:08 39:22 39:35 40:03 40:17 40:46 41:00
100%
50
0
38:00
39:00
40:00
41:00
Time
2.4E6
1.2E6
0.0E0
2.5E6
4.7E6
2.3E6
1.0E7
5.2E6
1.1E4
5.7E3
3.0E7
1.5E7


File:A14FEB01A #1-421 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
441.7427 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4292.0,1.00%,F,F)
43:27
1.8E6
8.8E5
0.0E0
443.7398 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3796.0,1.00%,F,F)
43:27
2.0E6
9.9E5
0.0E0
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4616.0,1.00%,F,F)
43:10
4.3E6
2.2E6
0.0E0
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3636.0,1.00%,F,F)
43:10
5.3E6
2.6E6
0.0E0
513.6775 S:2 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3316.0,1.00%,F,F)
43:11
41:48
42:04
42:20
42:33
42:47
42:57
43:33
43:46
44:01
44:17
44:28
44:44
44:58
1.4E4
7.1E3
0.0E0
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:43
42:00
42:19
42:49
43:04
43:19
43:35
43:50
44:09
44:22
44:37
45:00
4.6E7
2.3E7
0.0E0
100%
50
0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time


File:A14FEB01A #1-532 Acq:14-FEB-2001 17:31:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5267-2 Exp:EXP_DB5MS
341.8568 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5024.0,1.00%,F,F)
339.8597 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3304.0,1.00%,F,F)
375.8364 S:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2472.0,1.00%,F,F)
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Section 3

Project Information

Charlotte, NC 28226

Proj #: E096-007-5.0040

Page 1 of 1

Invoice: Eric Swenson Fax: 704 543-1635
Report: "

CHAIN OF CUSTODY RECORD

2040 Savage Road
Charleston, South Carolina 29407
P.O. Box 30712
Charleston, South Carolina 29417
(843) 556-8171

Client Name/Facility Name: Duke Environmental

Collected by/Company:

SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type	1613	Dioxins	Remarks
LF-01	2/7/01	15:00	X				2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2		Analyze
LF-01A	2/7/01	15:30	X				2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2		1613 Dioxins
LF-01A/02	2/7/01	16:00	X				2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2		
																									GTS

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

G129-360

~~G344-53~~

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	2/7/01	1700					

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Julie Johnson	2/8/01	0945	1.0 °C

White = sample collector Yellow = file Pink = with report

109

Project	Client Sample ID	D_STAT	Client_prog	Client	Sample I	Date Collec	Date Recei	Date Due	riorit	ties	Matrix	ocatio	Dept	Report	Analyses
G129-360	LF-01	LOGN:REVW	E096-07-5.0040	341	14701	2/7/01	2/9/01	3/2/01	STD	2	Well	W2	17	EX	1613
G129-360	LF-01A	LOGN:REVW	E096-07-5.0040	341	14702	2/7/01	2/9/01	3/2/01	STD	2	Well	W2	17	EX	1613
G129-360	LF-01A/02	LOGN:REVW	E096-07-5.0040	341	14703	2/7/01	2/9/01	3/2/01	STD	2	Well	W2	17	EX	1613

Paradigm Analytical Labs

Sample Receipt Checklist (SRC)

Client: **General Engineering Labs** Lab Proj. ID: **G129-360**

Client Proj. ID: **E096-07-5.0040**

1. [X] Shipped
   [ ] Hand Delivered
   Notes:

2. [X] COC Present on Receipt
   [ ] No COC
   [ ] Additional Transmittal Forms
   Notes:

3. [ ] Custody Tape on Container
   [X] No Custody Tape
   Notes:

4. [X] Samples Intact
   [ ] Samples Broken / Leaking
   [ ] VOA Vials Checked for Air Bubbles
   Notes:

5. [X] Chilled on Receipt Actual Temp.(s) in °C: 1
   [ ] Ambient on Receipt
   [ ] Walk-in on Ice; Coming down to temp.
   Notes:

6. [X] Sufficient Sample Submitted
   [ ] Insufficient Sample Submitted
   Notes:

7. [ ] Samples Preserved Correctly
   [ ] Improper Preservative(s)
   [X] None recommended (N/A)
   (see preservative checklist where applicable)
   Notes:

8. [X] Received Within Holding Time
   [ ] Not Received Within Holding Time
   [ ] N/A
   Notes:

9. [X] No Discrepancies Noted
   [ ] Discrepancies Noted
   [ ] No COC Received
   Notes:

Comments:

DC27.022100.1

Inspected and Logged in by: JM
Date / Time: Mon-2/12/01 15:58

Section 4

Sample Preparation Documentation

Liquid - Liquid Extraction by Modified Method 3520C (MEX)

Data in Prep Table? ✓

Analytical Method: 8290 (1613) 8280 613 Other _____

Batch ID	Logbook#	Page#
WG	5	267

	Sample ID* (ID)	Volume* (mL)	Sample* pH	Ph (<2?)	ES Amt.* (µL)	MX Amt. (µL)	start time	finish time	CS Amt. (µL)	Tridecane (100 µL)	Analyst (initials)	Date*	Proj. ID
	LMB-5267	500	5	✓	20	0	11:00	12:40	20	✓	PR	13-Feb-01	N/A
	14698	498	5	✓	20	0	↓	↓	20	✓	↓	13-Feb-01	G129-359
	14699	502	5	✓	20	0			20	✓		13-Feb-01	G129-359
4	14700	502	5	✓	20	0			20	✓		13-Feb-01	G129-359
5	14701	511	5	✓	20	0			20	✓		13-Feb-01	G129-360
6	14702	506	5	✓	20	0			20	✓		13-Feb-01	G129-360
7	14703	502	5	✓	20	0			20	✓		13-Feb-01	G129-360
8	14704	504	5	✓	20	0			20	✓		13-Feb-01	G129-360
9	14705	501	7	✓	20	0			20	✓		13-Feb-01	G129-360
10	OPR-5267	500	5	✓	20	20	↓	↓	20	✓	↓	13-Feb-01	N/A
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

PR 2/13/01

Item	Lot #'s	Conc. (ng/µL)
H_2SO_4 Lot#	T20041	
Toluene Lot #	BZ647	
Tridecane Lot #	6-20-00	
Extraction Std.	508-198	0.05
Matrix Spk. Std.	508-199	0.005
Clean-Up Std.	507-284	0.02

MLM

Comments:

DC8.021700.1

* = To be entered in the Prep Table.

Carbon Cleanup

Date: 2/13/2001

Start with Celite up

	Step	mL	Solvent	Complete
Rinse	Start with Celite up.			
	1	4	Toluene	✓
	2	2	Binary	✓
	3	4	Tertiary	✓
	4	4	$MeCl_2$	✓
Load	Load Sample with $MeCl_2$ ✓			
	5	5	Binary	✓
	6	5	Binary	✓
	7	5	Tertiary	✓
Collect	Flip column (Celite down) and position collection vial(s). ✓			
	8	5	Toluene	✓
	9	5	Toluene	✓
	10	5	Toluene	✓
	11	5	Toluene	✓

Comments:

Train	Sample	CS
1	LMB-5267	N/A
2	14698	N/A
3	14699	N/A
4	14700	N/A
5	14701	N/A
6	14702	N/A
7	14703	N/A
8	14704	N/A
9	14705	N/A
10	OPR-5267	N/A
11		
12		

Lot # 's	
$MeCl_2$:	BZ823
Toluene:	BZ647
Binary:	11/1/00
Tertiary:	11/1/00
Tridecane:	N/A

LogBook: 1c Page: 090

Section 5

Initial Calibration Data

Run: Analyte: m1613-060» Cal: m1613-052» Results: Version: V3.6 31-JUL-1998 10:51:59

PB HL →

Name	Mean RRF	S. D.	%RSD	0.25 26may99m S2 RRF#1	SD	2 26may99m S4 RRF#2	SD	10 26may99m S1 RRF#3	SD	40 26may99m S5 RRF#4	SD	200 26may99m S6 RRF#5	SD
2,3,7,8-TCDD	1.1810	0.091	7.74 %	1.34	1.7	1.13	-0.6	1.17	-0.2	1.11	-0.7	1.16	-0.3
1,2,3,7,8-PeCDD	1.0298	0.017	1.60 %	1.04	0.8	1.05	1.0	1.01	-1.4	1.02	-0.7	1.03	0.3
1,2,3,4,7,8-HxCDD	1.1376	0.030	2.64 %	1.18	1.4	1.15	0.6	1.11	-1.0	1.11	-0.8	1.13	-0.2
1,2,3,6,7,8-HxCDD	0.9712	0.017	1.75 %	0.96	-0.4	0.95	-1.4	0.97	-0.2	0.99	1.1	0.99	0.9
1,2,3,7,8,9-HxCDD	1.1365	0.041	3.60 %	1.13	-0.1	1.21	1.7	1.13	-0.2	1.11	-0.6	1.10	-0.8
1,2,3,4,6,7,8-HpCDD	1.0066	0.009	0.88 %	1.00	-0.9	1.01	-0.1	1.00	-1.0	1.01	0.7	1.02	1.3
OCDD	1.0759	0.015	1.44 %	1.07	-0.6	1.06	-1.0	1.07	-0.5	1.09	0.8	1.10	1.3
2,3,7,8-TCDF	1.1266	0.022	1.95 %	1.09	-1.5	1.13	0.1	1.12	-0.3	1.14	0.6	1.15	1.1
1,2,3,7,8-PeCDF	1.0549	0.006	0.58 %	1.06	0.3	1.05	-0.8	1.06	1.2	1.06	0.6	1.05	-1.3
2,3,4,7,8-PeCDF	1.1394	0.030	2.63 %	1.19	1.7	1.14	0.1	1.11	-0.9	1.13	-0.2	1.12	-0.6
1,2,3,4,7,8-HxCDF	1.2390	0.035	2.83 %	1.30	1.6	1.21	-0.8	1.21	-0.8	1.24	0.1	1.24	-0.1
1,2,3,6,7,8-HxCDF	1.2052	0.026	2.15 %	1.25	1.6	1.20	-0.1	1.19	-0.6	1.18	-0.9	1.21	0.0
2,3,4,6,7,8-HxCDF	1.1548	0.018	1.53 %	1.18	1.3	1.14	-0.6	1.14	-1.1	1.15	-0.4	1.17	0.7
1,2,3,7,8,9-HxCDF	1.2763	0.047	3.71 %	1.34	1.5	1.27	-0.1	1.21	-1.3	1.27	-0.2	1.29	0.2
1,2,3,4,6,7,8-HpCDF	1.4641	0.017	1.15 %	1.46	-0.2	1.44	-1.4	1.46	-0.3	1.49	1.3	1.47	0.6
1,2,3,4,7,8,9-HpCDF	1.4562	0.018	1.26 %	1.49	1.6	1.44	-0.7	1.44	-0.9	1.46	0.3	1.45	-0.3
OCDF	1.3195	0.053	4.03 %	1.31	-0.3	1.28	-0.8	1.27	-0.9	1.34	0.4	1.40	1.5
13C-2,3,7,8-TCDD	1.0612	0.039	3.64 %	1.02	-1.0	1.05	-0.4	1.05	-0.2	1.05	-0.2	1.13	1.7
13C-1,2,3,7,8-PeCDD	0.8944	0.060	6.68 %	0.84	-0.9	0.86	-0.6	0.88	-0.3	0.90	0.1	0.99	1.7
13C-1,2,3,4,7,8-HxCDD	0.8573	0.040	4.69 %	0.87	0.4	0.79	-1.8	0.88	0.6	0.87	0.2	0.88	0.6
13C-1,2,3,6,7,8-HxCDD	0.9544	0.034	3.52 %	0.97	0.5	0.90	-1.7	0.95	-0.2	0.98	0.7	0.98	0.7
13C-1,2,3,4,6,7,8-HpCDD	0.9154	0.021	2.24 %	0.89	-1.0	0.91	-0.2	0.95	1.5	0.90	-0.7	0.93	0.5
13C-OCDD	0.7127	0.031	4.32 %	0.67	-1.2	0.73	0.6	0.72	0.3	0.69	-0.8	0.75	1.2
13C-2,3,7,8-TCDF	1.5045	0.042	2.81 %	1.48	-0.7	1.48	-0.6	1.49	-0.4	1.50	-0.1	1.58	1.8
13C-1,2,3,7,8-PeCDF	1.3771	0.093	6.77 %	1.29	-0.9	1.35	-0.3	1.32	-0.6	1.40	0.2	1.53	1.6
13C-2,3,4,7,8-PeCDF	1.3048	0.090	6.93 %	1.23	-0.9	1.27	-0.4	1.26	-0.5	1.32	0.1	1.46	1.7
13C-1,2,3,4,7,8-HxCDF	1.2458	0.026	2.07 %	1.27	1.0	1.24	-0.3	1.21	-1.4	1.24	-0.1	1.27	0.9
13C-1,2,3,6,7,8-HxCDF	1.3431	0.056	4.18 %	1.37	0.6	1.29	-1.0	1.28	-1.1	1.37	0.4	1.41	1.1
13C-2,3,4,6,7,8-HxCDF	1.2572	0.029	2.34 %	1.25	-0.2	1.21	-1.7	1.28	0.6	1.28	0.8	1.27	0.5
13C-1,2,3,7,8,9-HxCDF	1.0364	0.021	2.06 %	1.02	-1.0	1.03	-0.5	1.06	1.2	1.02	-0.7	1.06	0.9
13C-1,2,3,4,6,7,8-HpCDF	0.9935	0.016	1.60 %	0.97	-1.5	1.00	0.1	0.99	-0.4	1.01	0.9	1.01	0.8
13C-1,2,3,4,7,8,9-HpCDF	0.8190	0.019	2.36 %	0.79	-1.5	0.84	1.0	0.82	0.2	0.81	-0.4	0.83	0.8
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-	-	-	-	-
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-	-	-	-	-	-
37Cl-2,3,7,8-TCDD	1.1747	0.052	4.40 %	1.21	0.7	1.13	-0.9	1.11	-1.2	1.19	0.2	1.23	1.1
Total Tetra-Furans	1.1266	0.022	1.95 %	1.09	-1.5	1.13	0.1	1.12	-0.3	1.14	0.6	1.15	1.1
Total Tetra-Dioxins	1.1810	0.091	7.74 %	1.34	1.7	1.13	-0.6	1.17	-0.2	1.11	-0.7	1.16	-0.3
Total Penta-Furans Fn1	1.0960	0.015	1.35 %	1.12	1.7	1.09	-0.1	1.09	-0.7	1.09	-0.1	1.08	-0.8
Total Penta-Furans Fn2	1.0960	0.015	1.35 %	1.12	1.7	1.09	-0.1	1.09	-0.7	1.09	-0.1	1.08	-0.8
Total Penta-Dioxins	1.0298	0.017	1.60 %	1.04	0.8	1.05	1.0	1.01	-1.4	1.02	-0.7	1.03	0.3
Total Hexa-Furans	1.2111	0.036	2.99 %	1.26	1.4	1.20	-0.2	1.16	-1.3	1.21	-0.1	1.22	0.3
Total Hexa-Dioxins	1.0787	0.014	1.30 %	1.09	0.7	1.10	1.4	1.07	-0.9	1.07	-0.7	1.07	-0.5

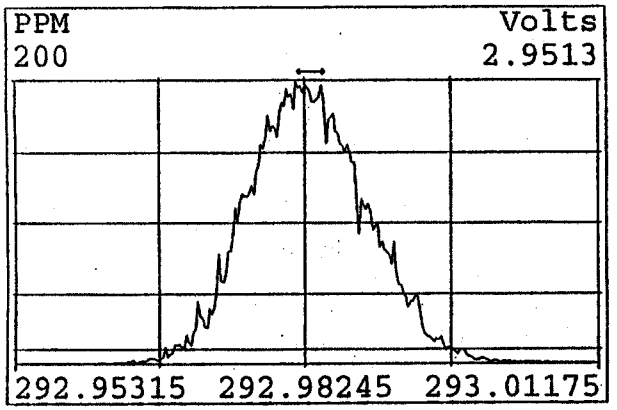
QC ok 09JUN99

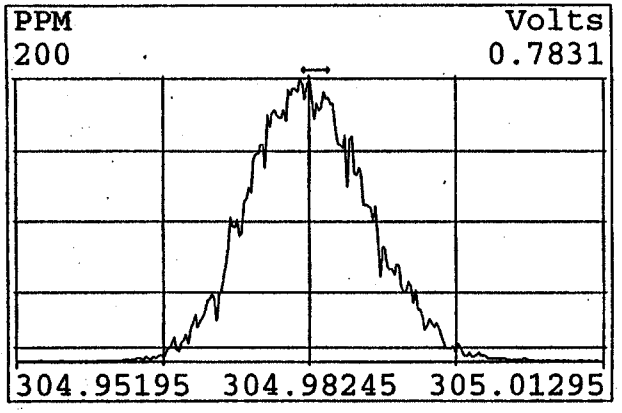
A

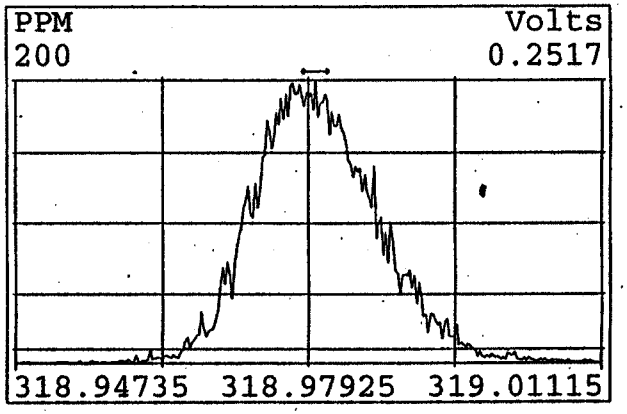
Run #1 Filename a26may99m S: 2 I: 1 Acquired: 26-MAY-99 17:08:50 Processed: 9-JUN-99 10:36:54
Run: Analyte: m1613-060» Cal: m1613-052» Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS0.5 Comments:

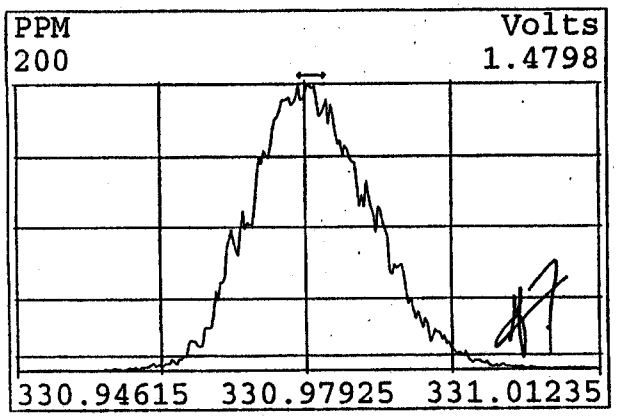
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?
1	Unk	2,3,7,8-TCDD	0.25	6.66e+05	0.88	y	32:53	-	1.34	y	n
2	Unk	1,2,3,7,8-PeCDD	1.25	2.13e+06	1.58	y	35:48	-	1.04	y	n
3	Unk	1,2,3,4,7,8-HxCDD	1.25	1.92e+06	1.23	y	38:44	-	1.18	y	n
4	Unk	1,2,3,6,7,8-HxCDD	1.25	1.75e+06	1.21	y	38:50	-	0.96	y	n
5	Unk	1,2,3,7,8,9-HxCDD	1.25	1.95e+06	1.14	y	39:09	-	1.13	y	n
6	Unk	1,2,3,4,6,7,8-HpCDD	1.25	1.67e+06	1.16	y	42:46	-	1.00	y	n
7	Unk	OCDD	2.50	2.69e+06	0.97	y	47:53	-	1.07	y	n
8	Unk	2,3,7,8-TCDF	0.25	7.83e+05	0.86	y	32:30	-	1.09	y	n
9	Unk	1,2,3,7,8-PeCDF	1.25	3.32e+06	1.64	y	34:55	-	1.06	y	n
10	Unk	2,3,4,7,8-PeCDF	1.25	3.53e+06	1.43	y	35:35	-	1.19	y	n
11	Unk	1,2,3,4,7,8-HxCDF	1.25	3.08e+06	1.06	y	37:57	-	1.30	y	y
12	Unk	1,2,3,6,7,8-HxCDF	1.25	3.20e+06	1.18	y	38:03	-	1.25	y	y
13	Unk	2,3,4,6,7,8-HxCDF	1.25	2.75e+06	1.10	y	38:37	-	1.18	y	n
14	Unk	1,2,3,7,8,9-HxCDF	1.25	2.55e+06	1.13	y	39:32	-	1.34	y	n
15	Unk	1,2,3,4,6,7,8-HpCDF	1.25	2.65e+06	1.09	y	41:17	-	1.46	y	n
16	Unk	1,2,3,4,7,8,9-HpCDF	1.25	2.19e+06	1.05	y	43:34	-	1.49	y	n
17	Unk	OCDF	2.50	3.29e+06	0.88	y	48:15	-	1.31	y	y
18	ES/RT	13C-2,3,7,8-TCDD	100.00	1.99e+08	0.77	y	32:52	-	1.02	y	n
19	ES	13C-1,2,3,7,8-PeCDD	100.00	1.63e+08	1.63	y	35:46	-	0.84	y	n
20	ES	13C-1,2,3,4,7,8-HxCDD	100.00	1.30e+08	1.20	y	38:44	-	0.87	y	n
21	ES	13C-1,2,3,6,7,8-HxCDD	100.00	1.45e+08	1.19	y	38:50	-	0.97	y	n
22	ES	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.34e+08	1.00	y	42:44	-	0.89	y	n
23	ES	13C-OCDD	200.00	2.02e+08	0.86	y	47:53	-	0.67	y	n
24	ES/RT	13C-2,3,7,8-TCDF	100.00	2.86e+08	0.86	y	32:29	-	1.48	y	n
25	ES	13C-1,2,3,7,8-PeCDF	100.00	2.51e+08	1.71	y	34:55	-	1.29	y	n
26	ES	13C-2,3,4,7,8-PeCDF	100.00	2.38e+08	1.69	y	35:35	-	1.23	y	n
27	ES	13C-1,2,3,4,7,8-HxCDF	100.00	1.90e+08	0.48	y	37:56	-	1.27	y	n
28	ES	13C-1,2,3,6,7,8-HxCDF	100.00	2.05e+08	0.50	y	38:03	-	1.37	y	n
29	ES	13C-2,3,4,6,7,8-HxCDF	100.00	1.87e+08	0.50	y	38:36	-	1.25	y	n
30	ES	13C-1,2,3,7,8,9-HxCDF	100.00	1.52e+08	0.49	y	39:31	-	1.02	y	n
31	ES	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.45e+08	0.47	y	41:16	-	0.97	y	n
32	ES	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.18e+08	0.46	y	43:34	-	0.79	y	n
33	JS	13C-1,2,3,4-TCDD	100.00	1.94e+08	0.76	y	32:34	1.94e+06	-	n	n
34	JS	13C-1,2,3,7,8,9-HxCDD	100.00	1.49e+08	1.16	y	39:07	1.49e+06	-	n	n
35	CS	37Cl-2,3,7,8-TCDD	0.25	5.88e+05			32:53	-	1.21	y	n
36	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.09	y	n
37	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.34	y	n
38	Tot	Total Penta-Furans Fn1	0.00	-	-	n	-	-	1.12	y	n
39	Tot	Total Penta-Furans Fn2	0.00	-	-	n	-	-	1.12	y	n
40	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	1.04	y	n
41	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	1.26	y	n

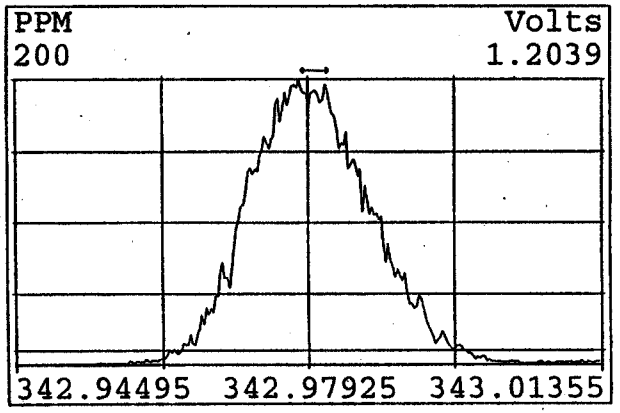
Peak Locate Examination:26-MAY-1999:16:15 File:A26MAY99M_L
Experiment:EXP_DB5MS Function:1 Reference:PFK

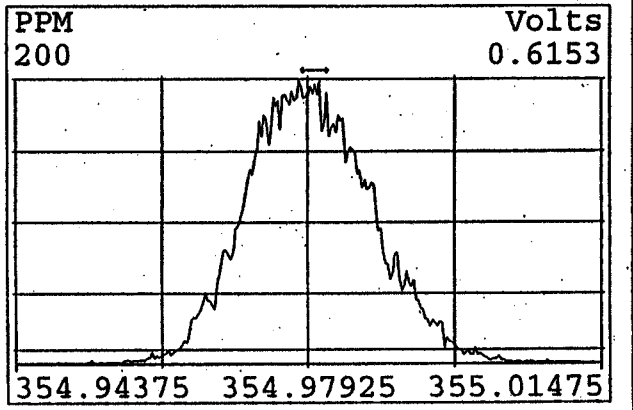


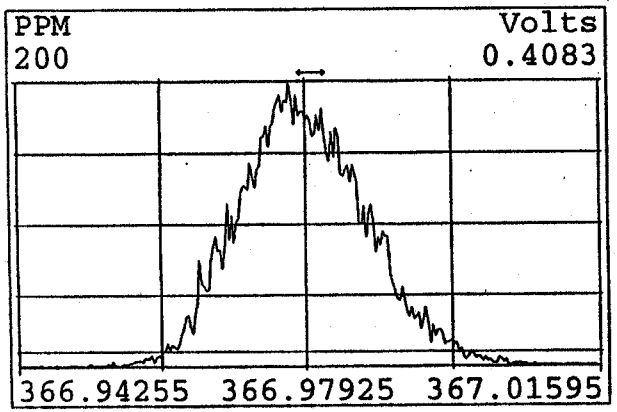


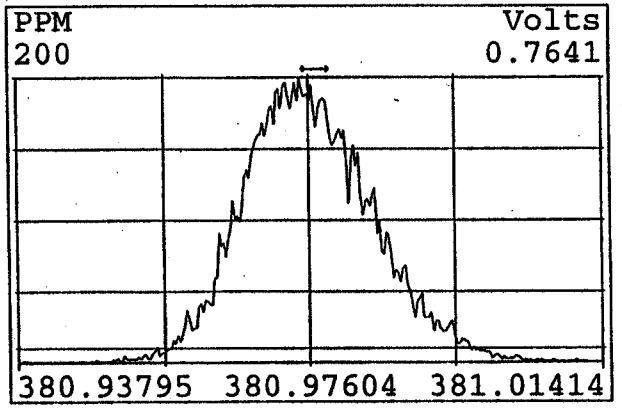




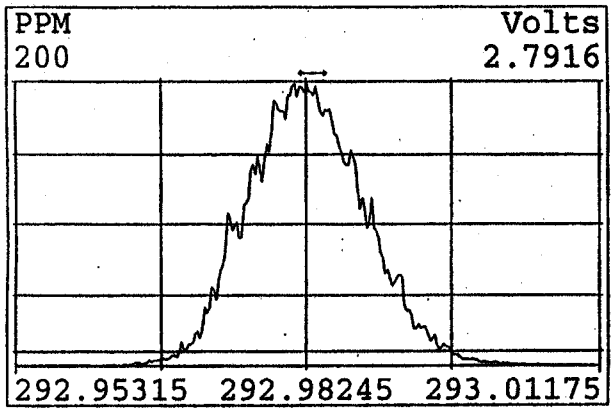


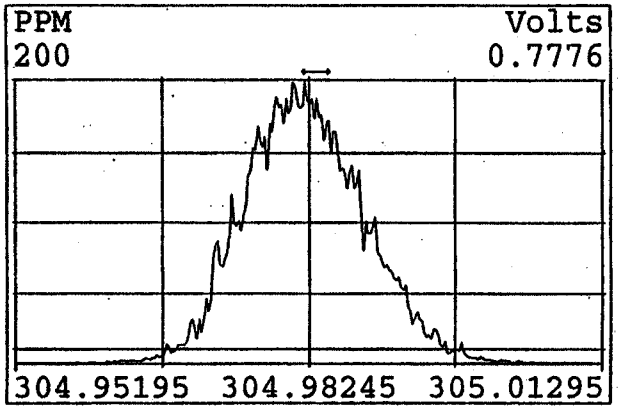


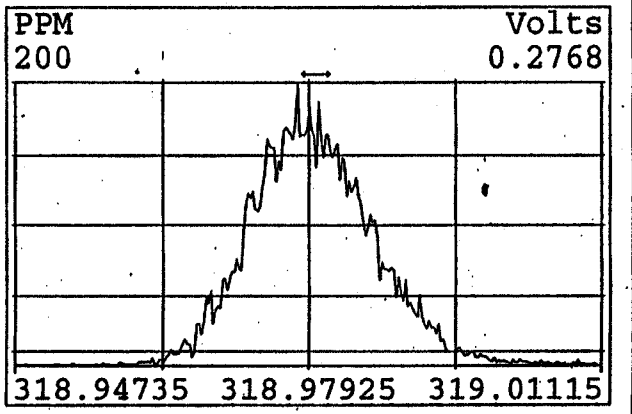


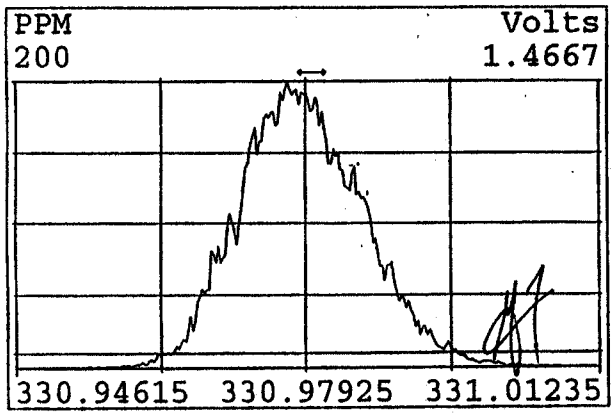


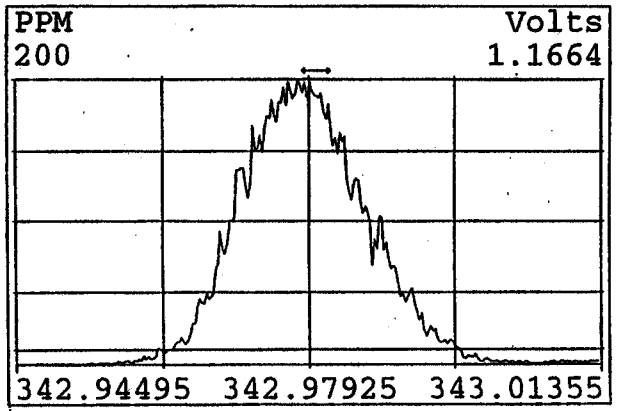
Peak Locate Examination:26-MAY-1999:21:25 File:A26MAY99M_RES_CHECK
Experiment:EXP_DB5MS Function:1 Reference:PFK

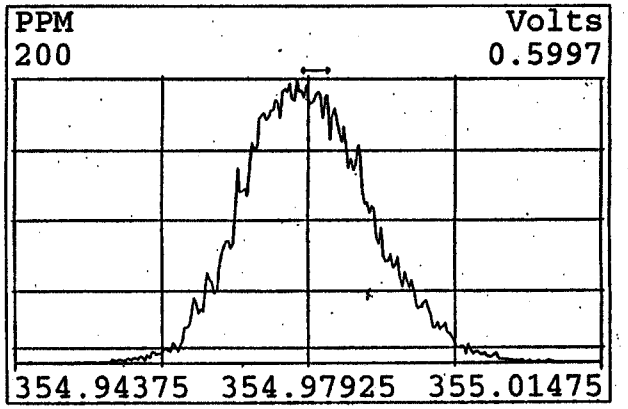


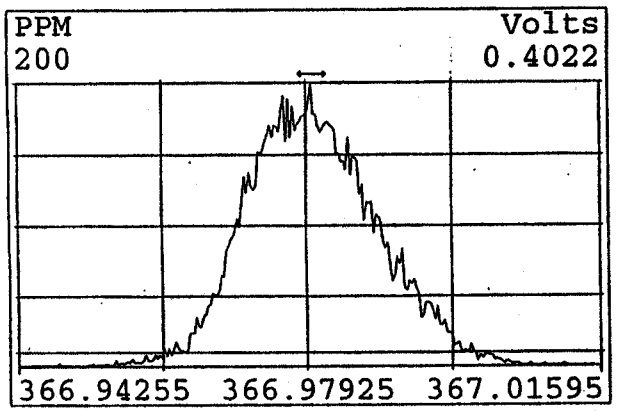


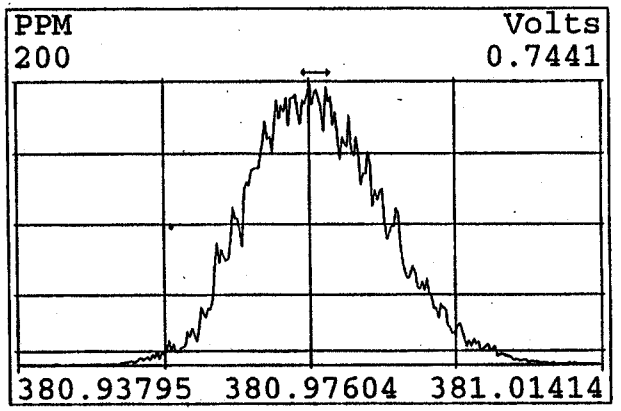






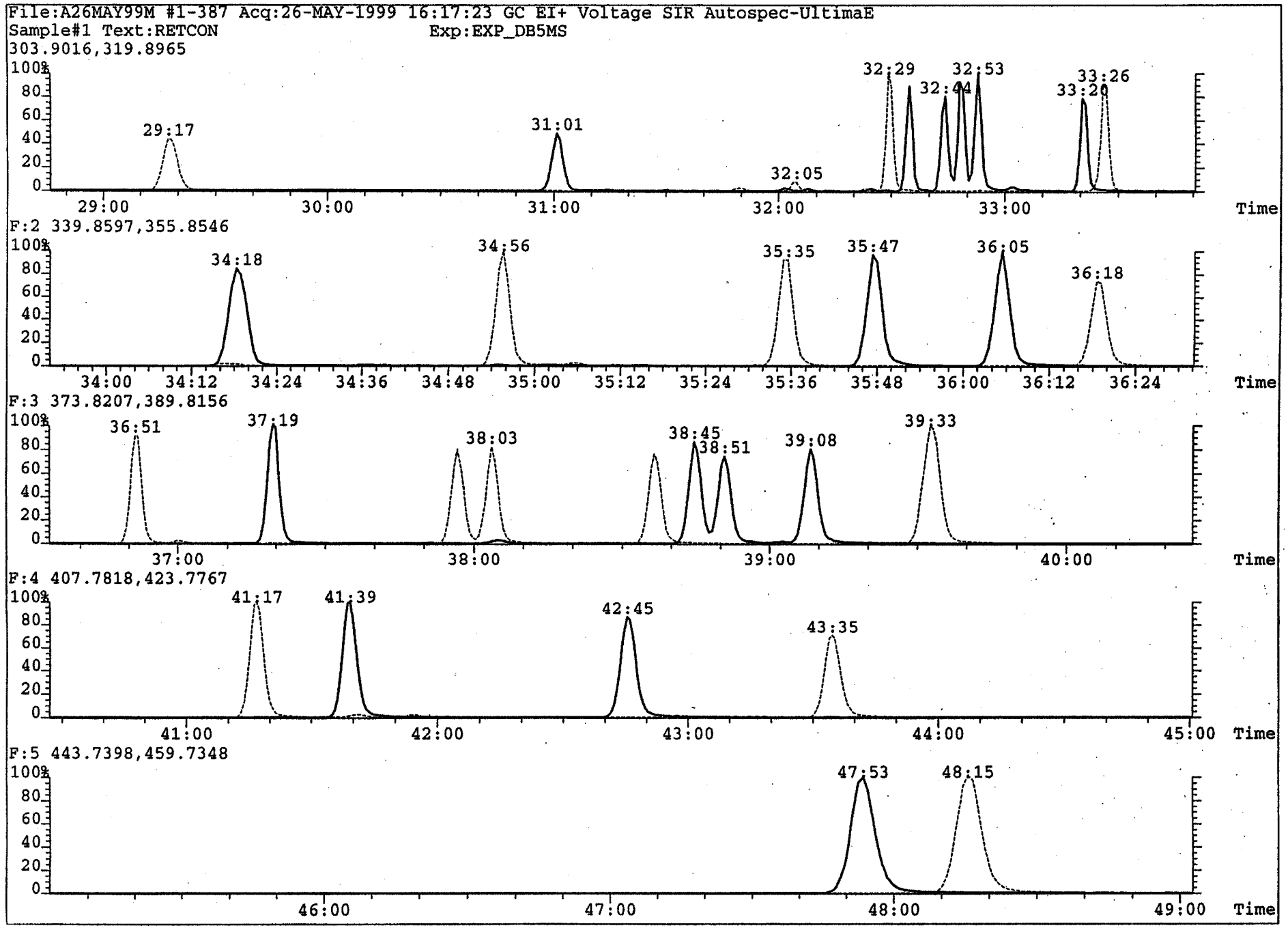


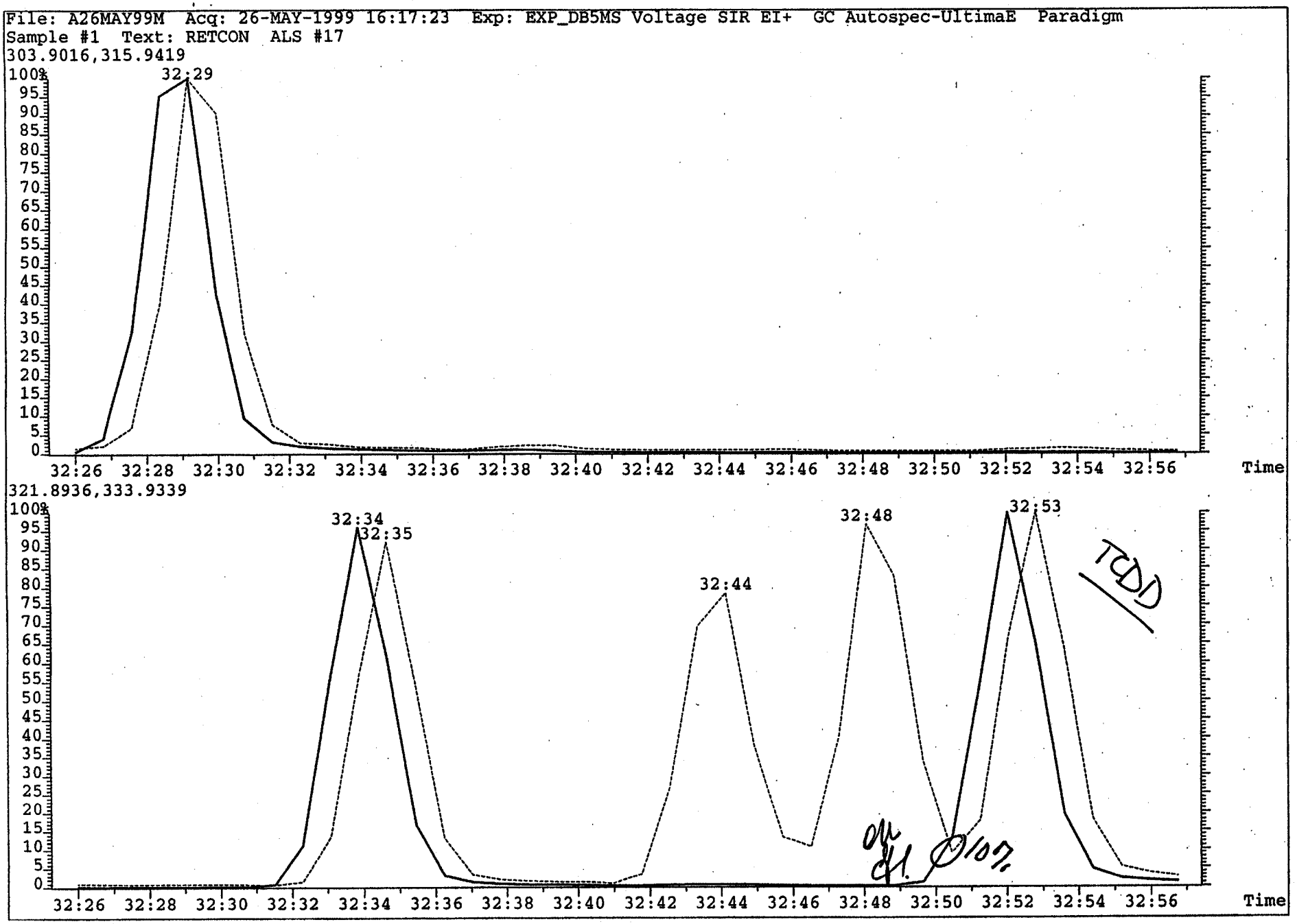




Filename ; a26may99m
Sample ; 1
Acquired ; 26-MAY-99 16:17:23
Processed ; 27-MAY-99 08:48:33
Sample ID ; RETCON

Name	First Eluter RT	Last Eluter RT
TCDD	31:01	33:20
PeCDD	34:18	36:05
HxCDD	37:19	39:08
HpCDD	41:39	42:45
OCDD	47:53	
TCDF	29:17	33:26
PeCDF	33:24	36:18
HxCDF	36:51	39:33
HpCDF	41:17	43:35
OCDF	48:15	


File:A26MAY99M #1-387 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
303.9016,319.8965
29:17
31:01
32:05
32:29
32:44
32:53
33:20
33:26
Time
F:2 339.8597,355.8546
34:18
34:56
35:35
35:47
36:05
36:18
Time
F:3 373.8207,389.8156
36:51
37:19
38:03
38:45
38:51
39:08
39:33
Time
F:4 407.7818,423.7767
41:17
41:39
42:45
43:35
Time
F:5 443.7398,459.7348
47:53
48:15
Time


File: A26MAY99M Acq: 26-MAY-1999 16:17:23 Exp: EXP_DB5MS Voltage SIR EI+ GC Autospec-UltimaE Paradigm
Sample #1 Text: RETCON ALS #17
303.9016,315.9419
32:29
321.8936,333.9339
32:34
32:35
32:44
32:48
32:53
TCDD
Time
Time

Run #1 Filename a26may99m S: 2 I: 1 Acquired: 26-MAY-99 17:08:50 Processed: 9-JUN-99 10:36:54
Run: Analyte: m1613-060» Cal: m1613-052» Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS0.5 Comments:

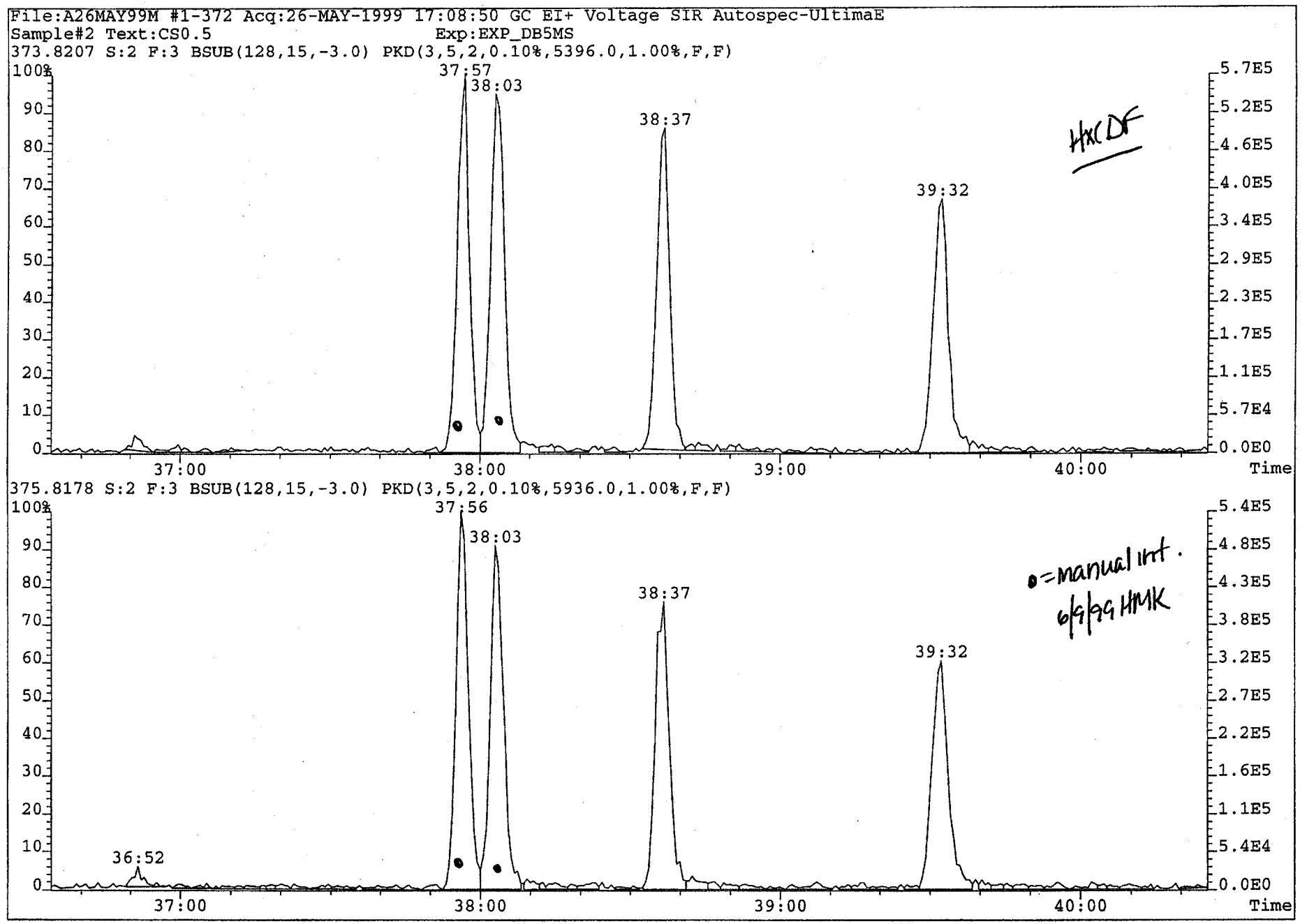
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?	
1	Unk	2,3,7,8-TCDD	0.25	6.66e+05	0.88	y	32:53	-	1.34	y	n	
2	Unk	1,2,3,7,8-PeCDD	1.25	2.13e+06	1.58	y	35:48	-	1.04	y	n	
3	Unk	1,2,3,4,7,8-HxCDD	1.25	1.92e+06	1.23	y	38:44	-	1.18	y	n	
4	Unk	1,2,3,6,7,8-HxCDD	1.25	1.75e+06	1.21	y	38:50	-	0.96	y	n	
5	Unk	1,2,3,7,8,9-HxCDD	1.25	1.95e+06	1.14	y	39:09	-	1.13	y	n	
6	Unk	1,2,3,4,6,7,8-HpCDD	1.25	1.67e+06	1.16	y	42:46	-	1.00	y	n	
7	Unk	OCDD	2.50	2.69e+06	0.97	y	47:53	-	1.07	y	n	
8	Unk	2,3,7,8-TCDF	0.25	7.83e+05	0.86	y	32:30	-	1.09	y	n	
9	Unk	1,2,3,7,8-PeCDF	1.25	3.32e+06	1.64	y	34:55	-	1.06	y	n	
10	Unk	2,3,4,7,8-PeCDF	1.25	3.53e+06	1.43	y	35:35	-	1.19	y	n	
11	Unk	1,2,3,4,7,8-HxCDF	1.25	3.07e+06	1.04	n	37:57	-	1.29	y	n	
12	Unk	1,2,3,6,7,8-HxCDF	1.25	3.25e+06	1.20	y	38:03	-	1.27	y	n	
13	Unk	2,3,4,6,7,8-HxCDF	1.25	2.75e+06	1.10	y	38:37	-	1.18	y	n	
14	Unk	1,2,3,7,8,9-HxCDF	1.25	2.55e+06	1.13	y	39:32	-	1.34	y	n	
15	Unk	1,2,3,4,6,7,8-HpCDF	1.25	2.65e+06	1.09	y	41:17	-	1.46	y	n	
16	Unk	1,2,3,4,7,8,9-HpCDF	1.25	2.19e+06	1.05	y	43:34	-	1.49	y	n	
17	Unk	OCDF	2.50	2.47e+06	1.58	n	48:15	-	0.98	y	n	
18	ES/RT	13C-2,3,7,8-TCDD	100.00	1.99e+08	0.77	y	32:52	-	1.02	y	n	
19	ES	13C-1,2,3,7,8-PeCDD	100.00	1.63e+08	1.63	y	35:46	-	0.84	y	n	
20	ES	13C-1,2,3,4,7,8-HxCDD	100.00	1.30e+08	1.20	y	38:44	-	0.87	y	n	
21	ES	13C-1,2,3,6,7,8-HxCDD	100.00	1.45e+08	1.19	y	38:50	-	0.97	y	n	
22	ES	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.34e+08	1.00	y	42:44	-	0.89	y	n	
23	ES	13C-OCDD	200.00	2.02e+08	0.86	y	47:53	-	0.67	y	n	
24	ES/RT	13C-2,3,7,8-TCDF	100.00	2.86e+08	0.86	y	32:29	-	1.48	y	n	
25	ES	13C-1,2,3,7,8-PeCDF	100.00	2.51e+08	1.71	y	34:55	-	1.29	y	n	
26	ES	13C-2,3,4,7,8-PeCDF	100.00	2.38e+08	1.69	y	35:35	-	1.23	y	n	
27	ES	13C-1,2,3,4,7,8-HxCDF	100.00	1.90e+08	0.48	y	37:56	-	1.27	y	n	
28	ES	13C-1,2,3,6,7,8-HxCDF	100.00	2.05e+08	0.50	y	38:03	-	1.37	y	n	
29	ES	13C-2,3,4,6,7,8-HxCDF	100.00	1.87e+08	0.50	y	38:36	-	1.25	y	n	
30	ES	13C-1,2,3,7,8,9-HxCDF	100.00	1.52e+08	0.49	y	39:31	-	1.02	y	n	
31	ES	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.45e+08	0.47	y	41:16	-	0.97	y	n	
32	ES	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.18e+08	0.46	y	43:34	-	0.79	y	n	
33	JS	13C-1,2,3,4-TCDD	100.00	1.94e+08	0.76	y	32:34	1.94e+06	-	n	n	
34	JS	13C-1,2,3,7,8,9-HxCDD	100.00	1.49e+08	1.16	y	39:07	1.49e+06	-	n	n	
35	CS	37Cl-2,3,7,8-TCDD	0.25	5.88e+05			32:53	-	1.21	y	n	
36	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.09	y	n	
37	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.34	y	n	
38	Tot	Total Penta-Furans Fn1	0.00	-	-	n	-	-	1.12	y	n	
39	Tot	Total Penta-Furans Fn2	0.00	-	-	n	-	-	1.12	y	n	
40	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	1.04	y	n	
41	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	1.27	y	n	

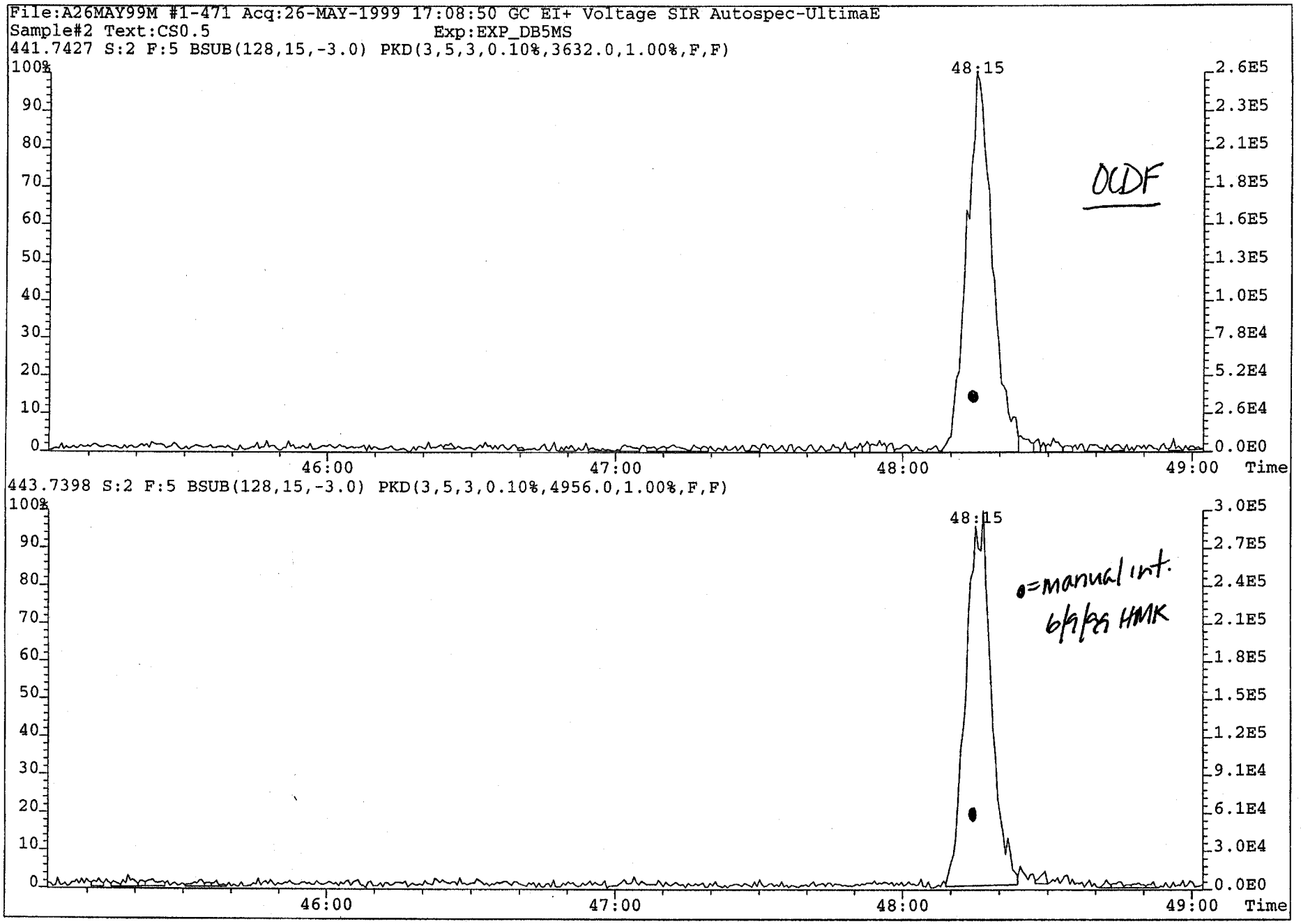
RRF = 1.92e6 / (1.25 * 1.30e8) * 100 =

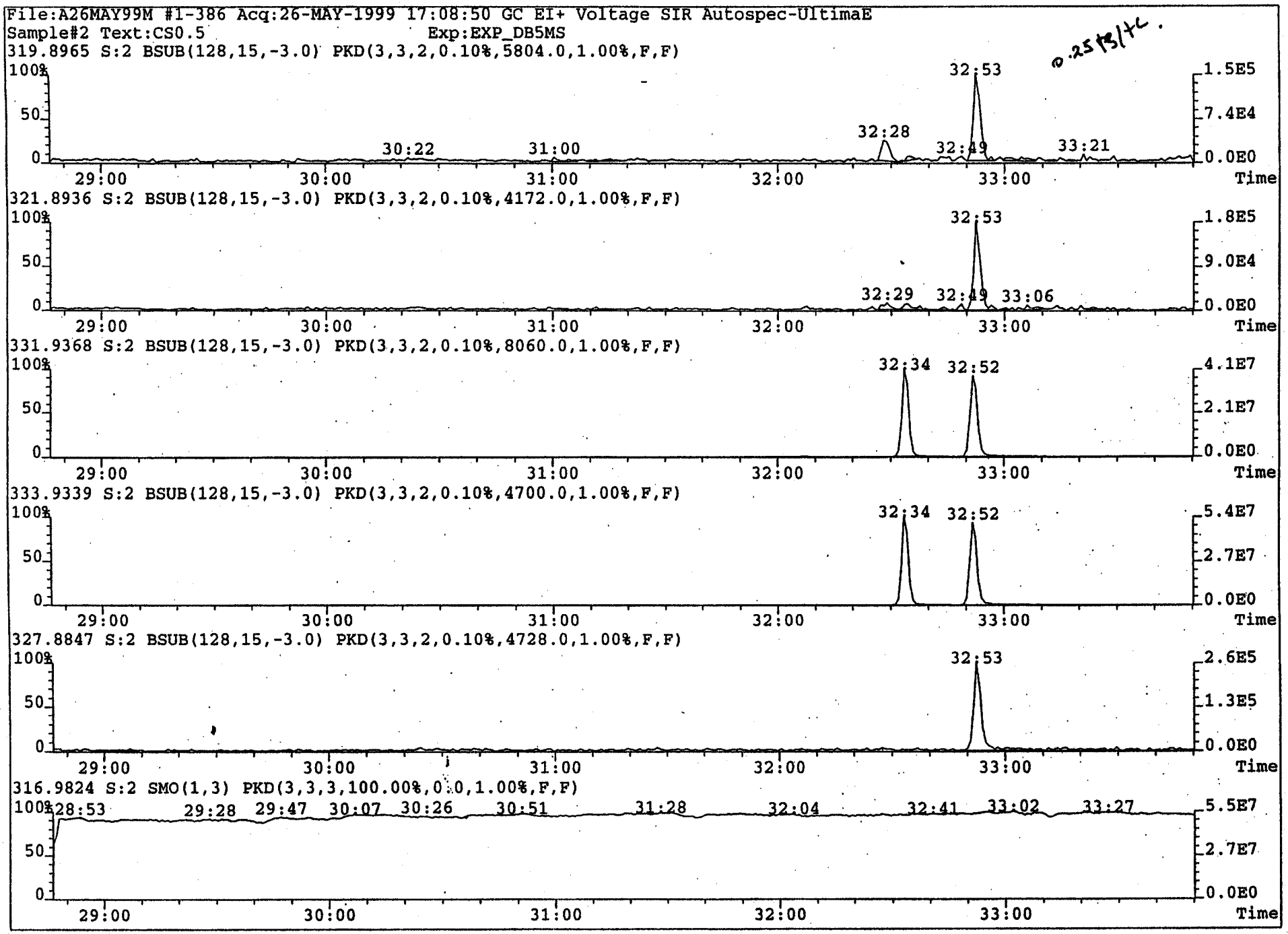
1.18 OK

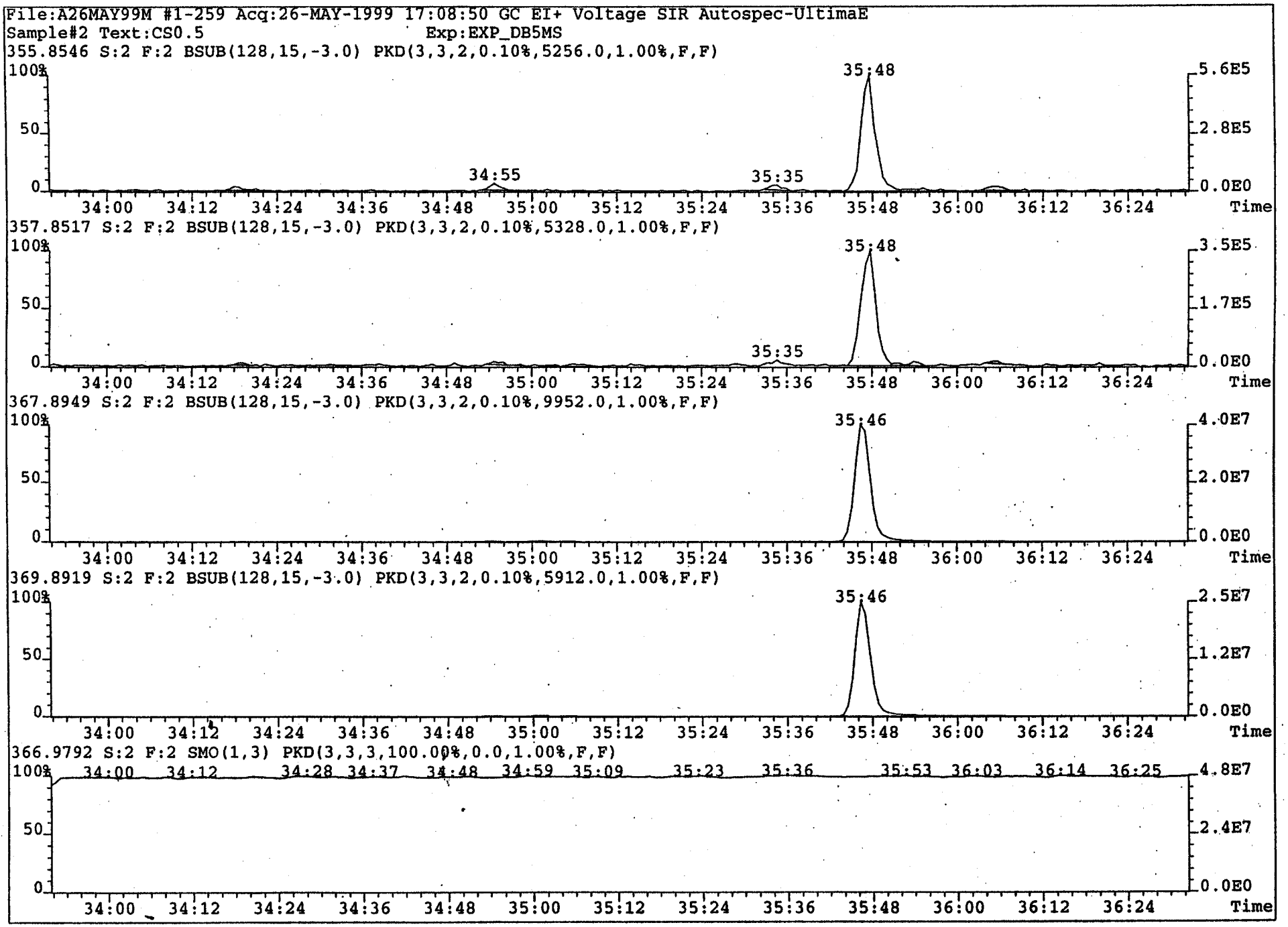
SICP + Inh. ? 1.2x

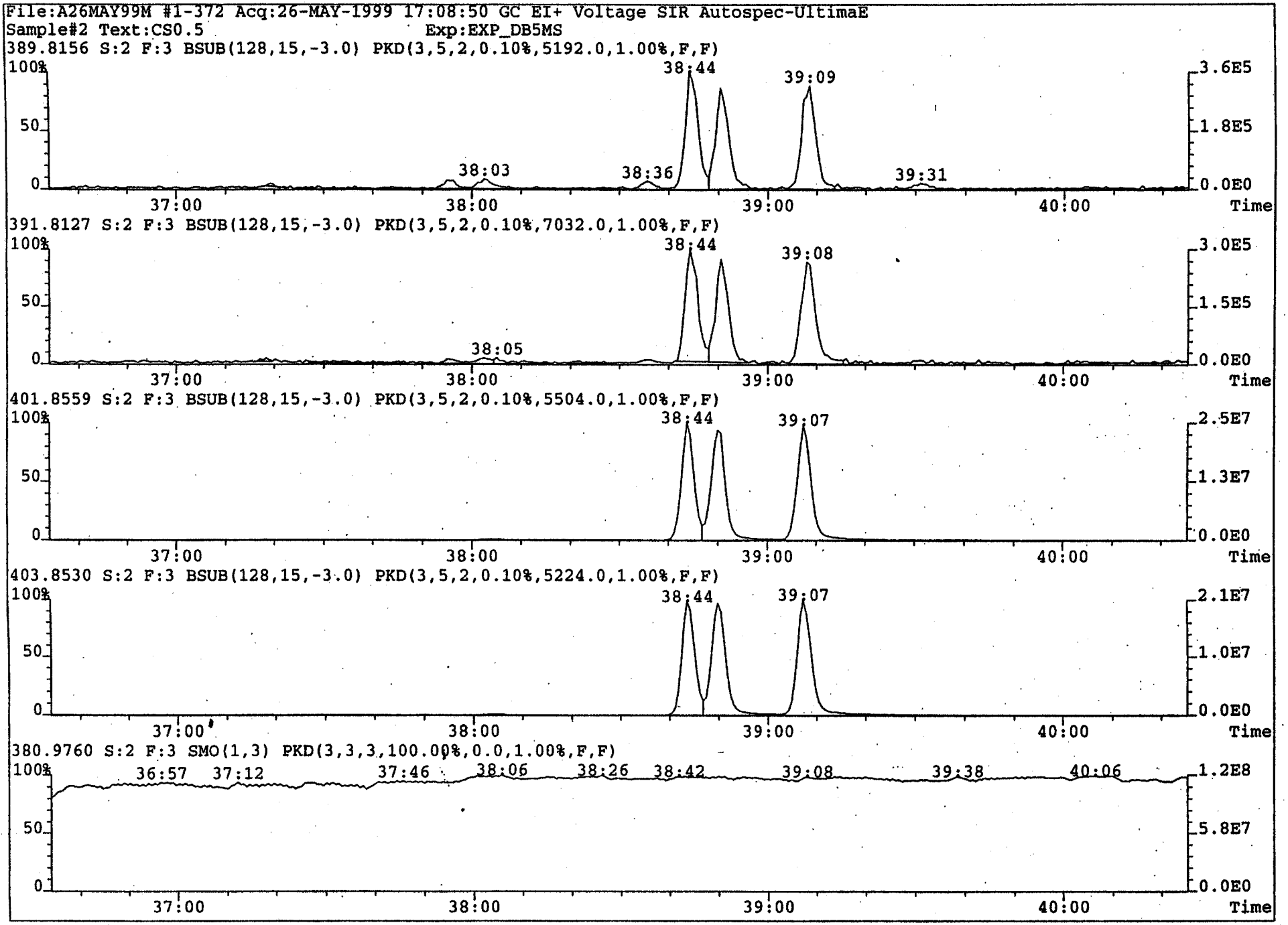
1.3 ?

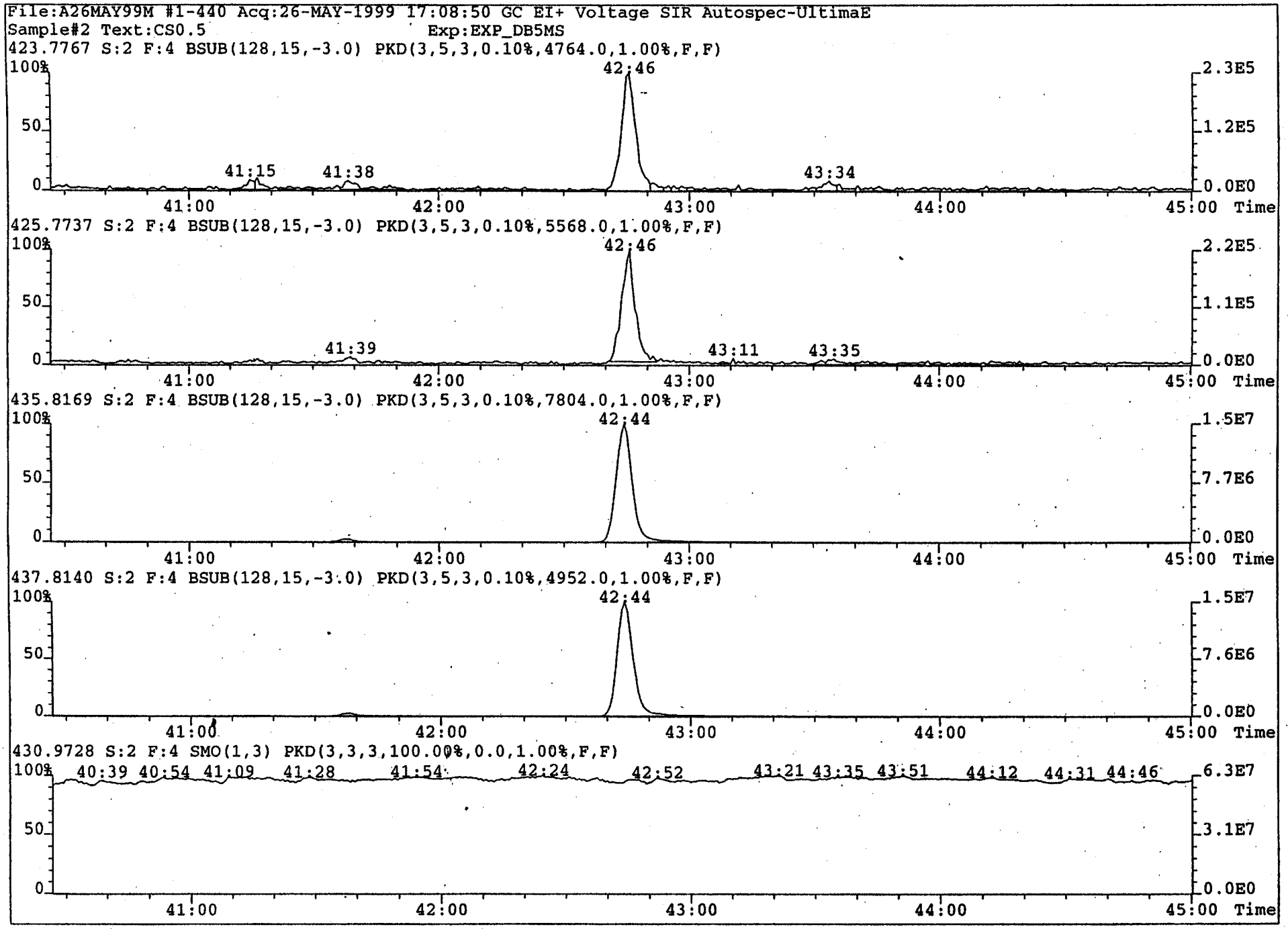

File:A26MAY99M #1-372 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
373.8207 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5396.0,1.00%,F,F)
37:57
38:03
38:37
39:32
HxCDF
37:00
38:00
39:00
40:00
Time
375.8178 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5936.0,1.00%,F,F)
37:56
38:03
38:37
39:32
36:52
● = manual int.
6/9/99 HMK
37:00
38:00
39:00
40:00
Time

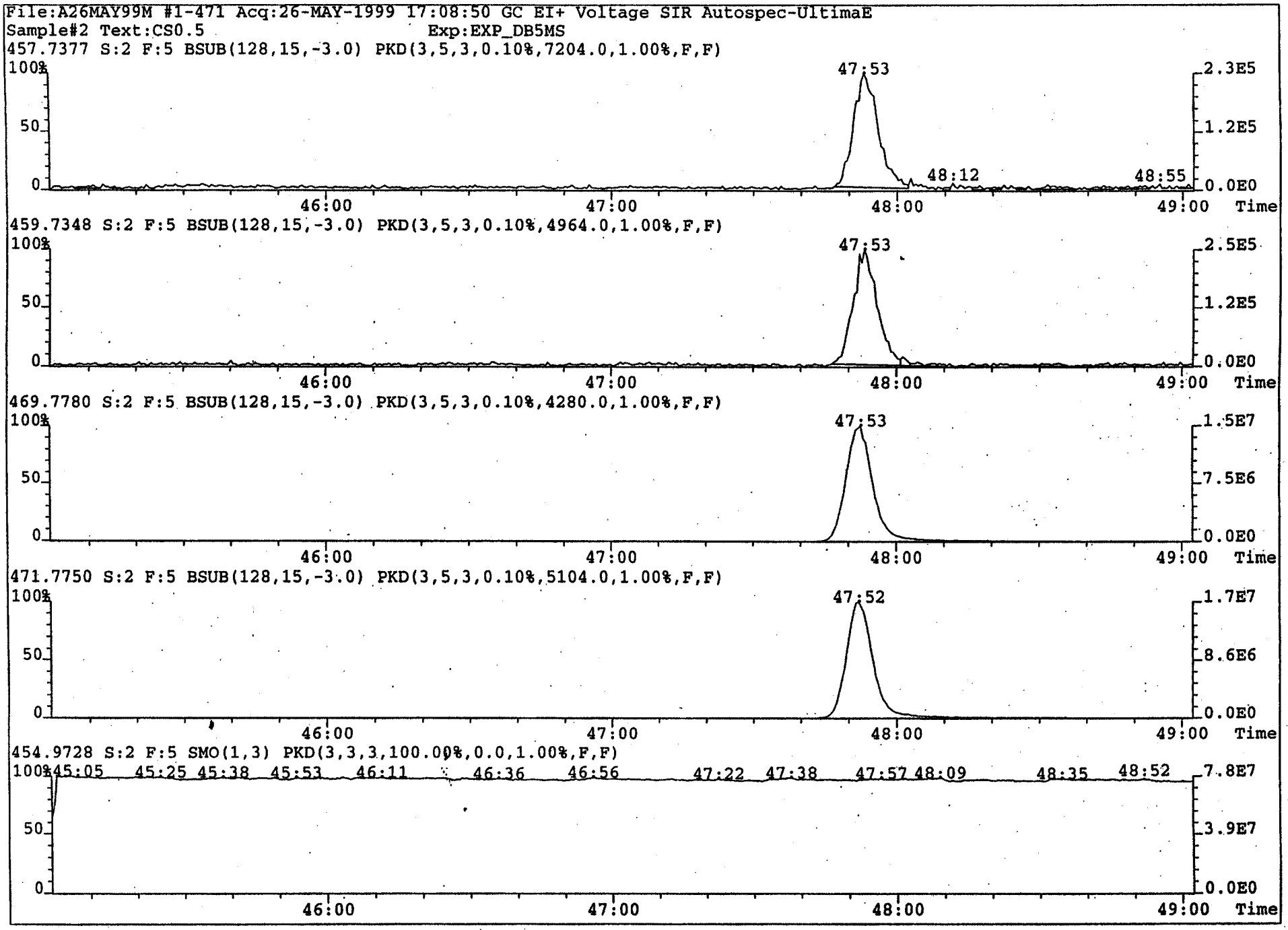

File:A26MAY99M #1-471 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
441.7427 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3632.0,1.00%,F,F)
48:15
OCDF
443.7398 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4956.0,1.00%,F,F)
48:15
●=manual int.
6/9/99 HMK
46:00
47:00
48:00
49:00
Time

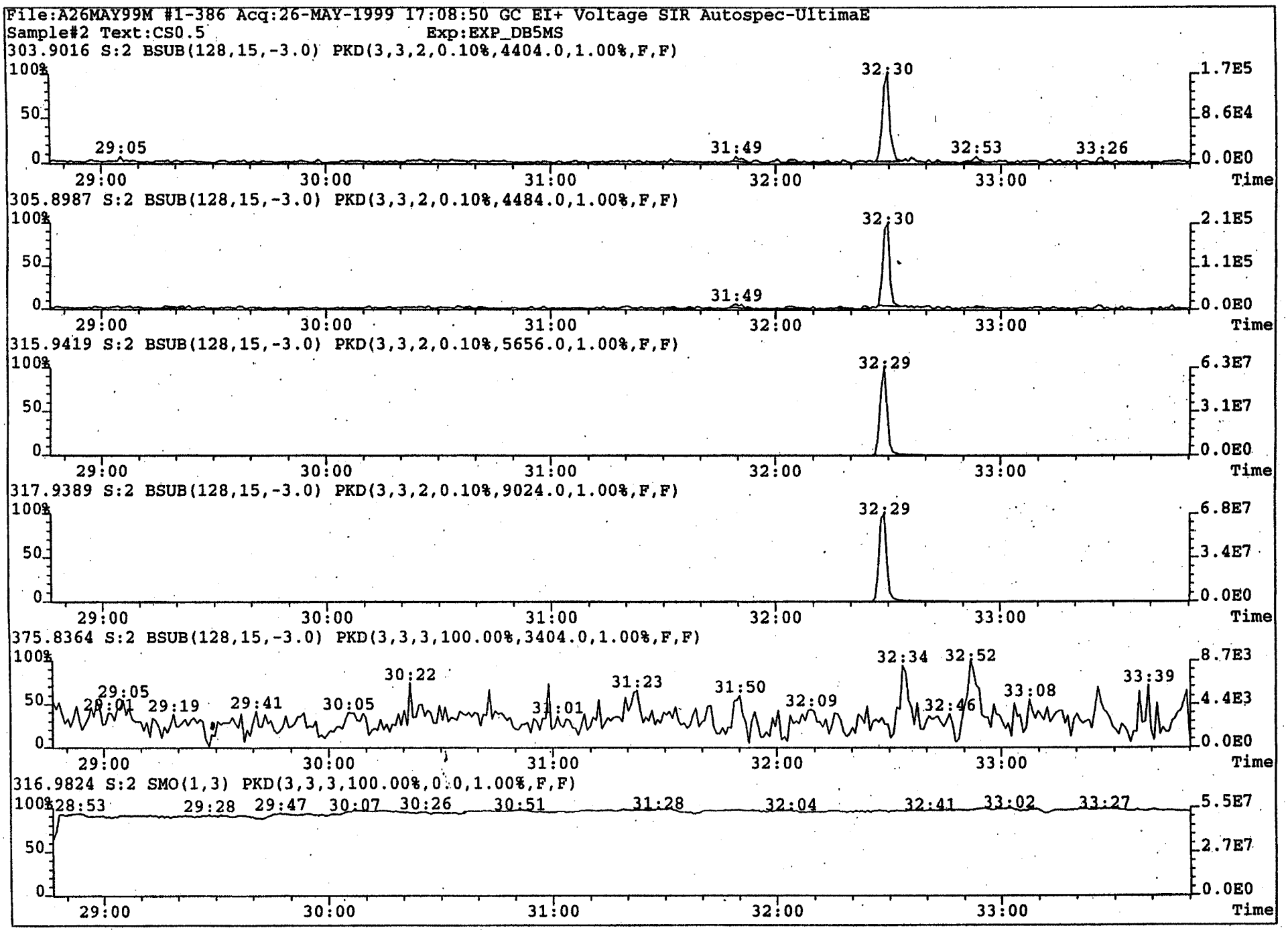

File:A26MAY99M #1-386 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
319.8965 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5804.0,1.00%,F,F)
0.25 pg/µL
32:53
32:28
30:22
31:00
32:49
33:21
1.5E5
7.4E4
0.0E0
321.8936 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4172.0,1.00%,F,F)
32:53
32:29
32:49
33:06
1.8E5
9.0E4
0.0E0
331.9368 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,8060.0,1.00%,F,F)
32:34
32:52
4.1E7
2.1E7
0.0E0
333.9339 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4700.0,1.00%,F,F)
32:34
32:52
5.4E7
2.7E7
0.0E0
327.8847 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4728.0,1.00%,F,F)
32:53
2.6E5
1.3E5
0.0E0
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
28:53
29:28
29:47
30:07
30:26
30:51
31:28
32:04
32:41
33:02
33:27
5.5E7
2.7E7
0.0E0
100%
50
0
29:00
30:00
31:00
32:00
33:00
Time

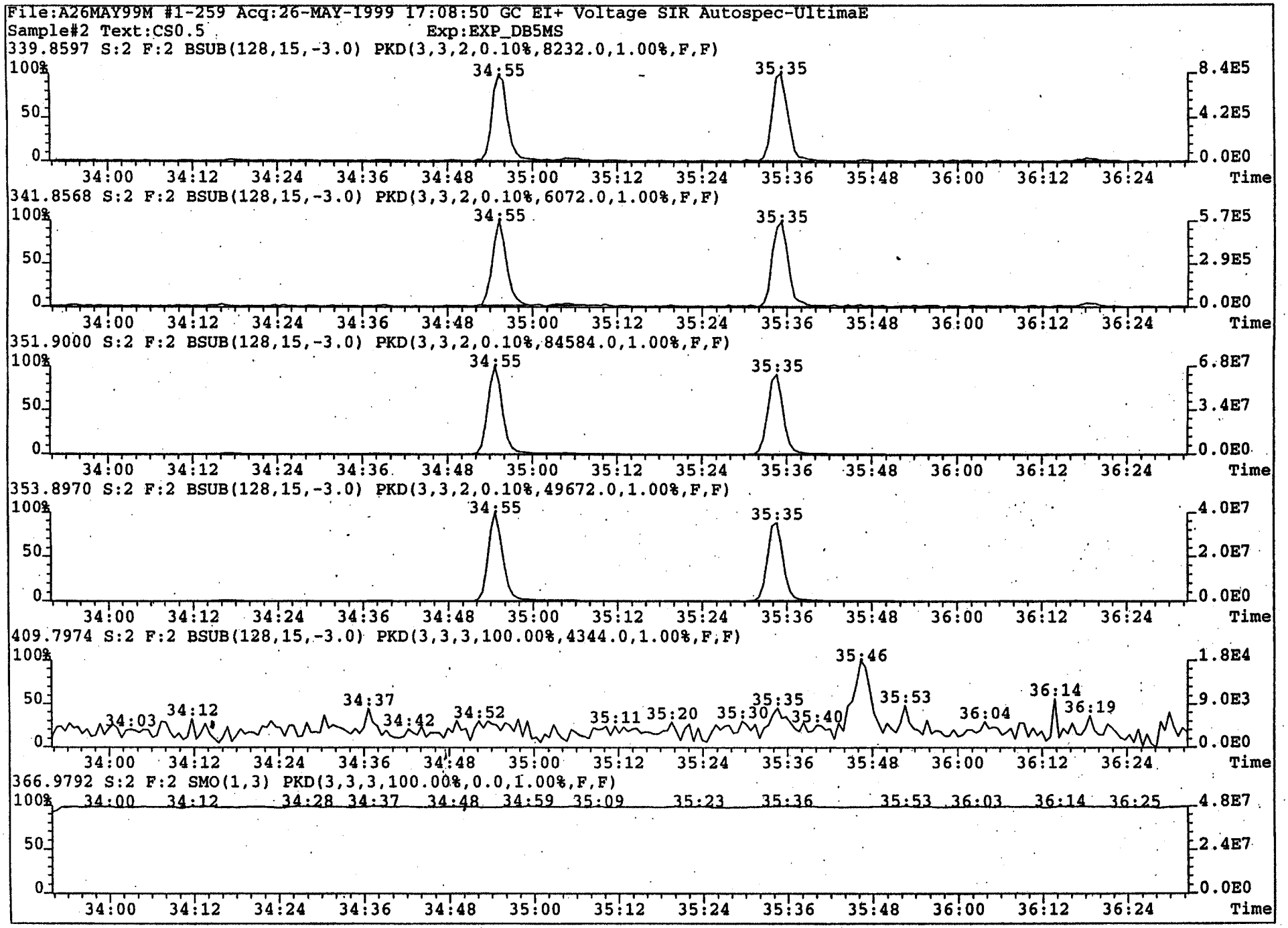

File:A26MAY99M #1-259 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
355.8546 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5256.0,1.00%,F,F)
35:48
34:55
35:35
5.6E5
2.8E5
0.0E0
357.8517 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5328.0,1.00%,F,F)
35:48
35:35
3.5E5
1.7E5
0.0E0
367.8949 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,9952.0,1.00%,F,F)
35:46
4.0E7
2.0E7
0.0E0
369.8919 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5912.0,1.00%,F,F)
35:46
2.5E7
1.2E7
0.0E0
366.9792 S:2 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
4.8E7
2.4E7
0.0E0
100%
50
0
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
Time

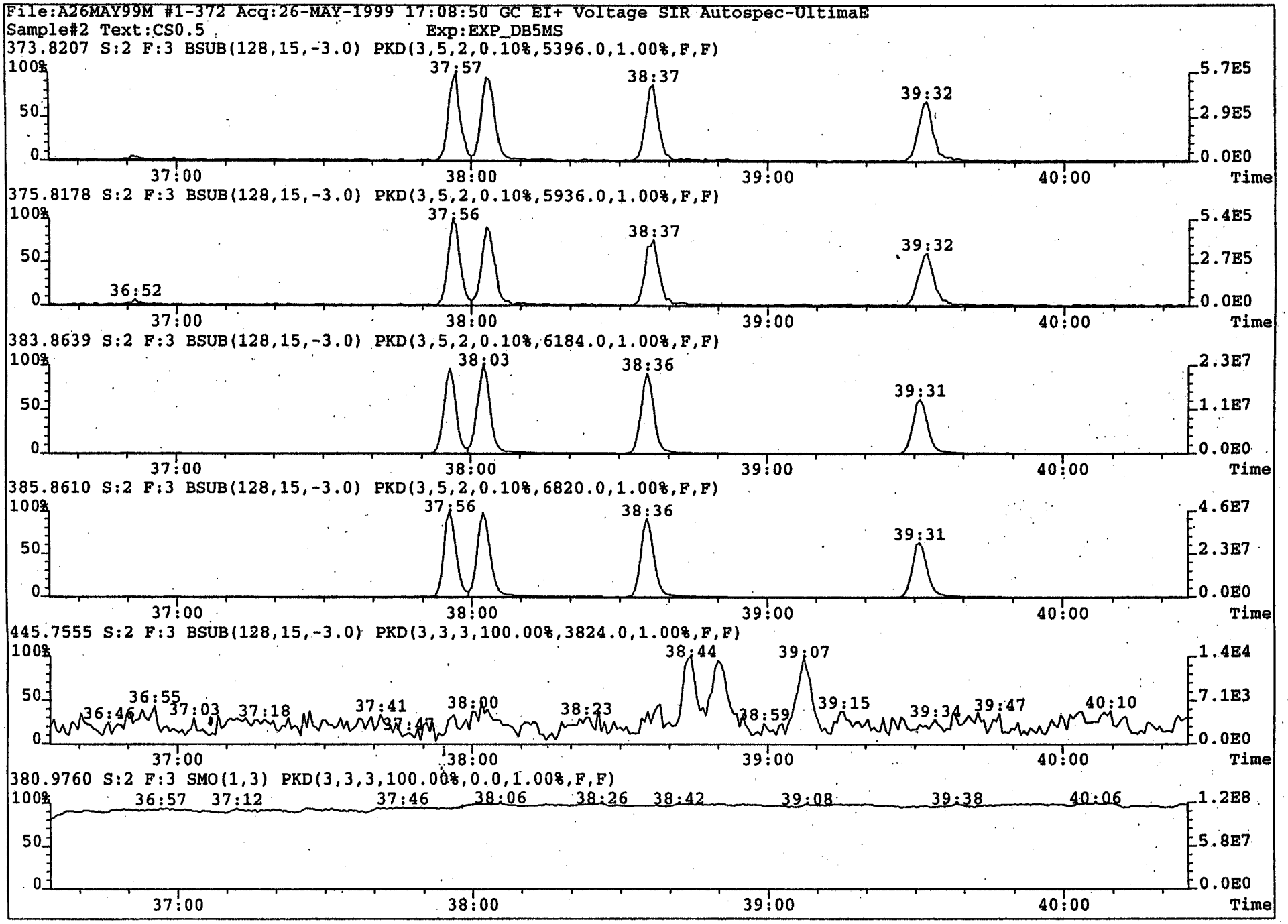

File:A26MAY99M #1-372 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
389.8156 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5192.0,1.00%,F,F)
38:44
39:09
38:03
38:36
39:31
3.6E5
1.8E5
0.0E0
391.8127 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,7032.0,1.00%,F,F)
38:44
39:08
38:05
3.0E5
1.5E5
0.0E0
401.8559 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5504.0,1.00%,F,F)
38:44
39:07
2.5E7
1.3E7
0.0E0
403.8530 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5224.0,1.00%,F,F)
38:44
39:07
2.1E7
1.0E7
0.0E0
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
36:57
37:12
37:46
38:06
38:26
38:42
39:08
39:38
40:06
1.2E8
5.8E7
0.0E0
100%
50
0
37:00
38:00
39:00
40:00
Time

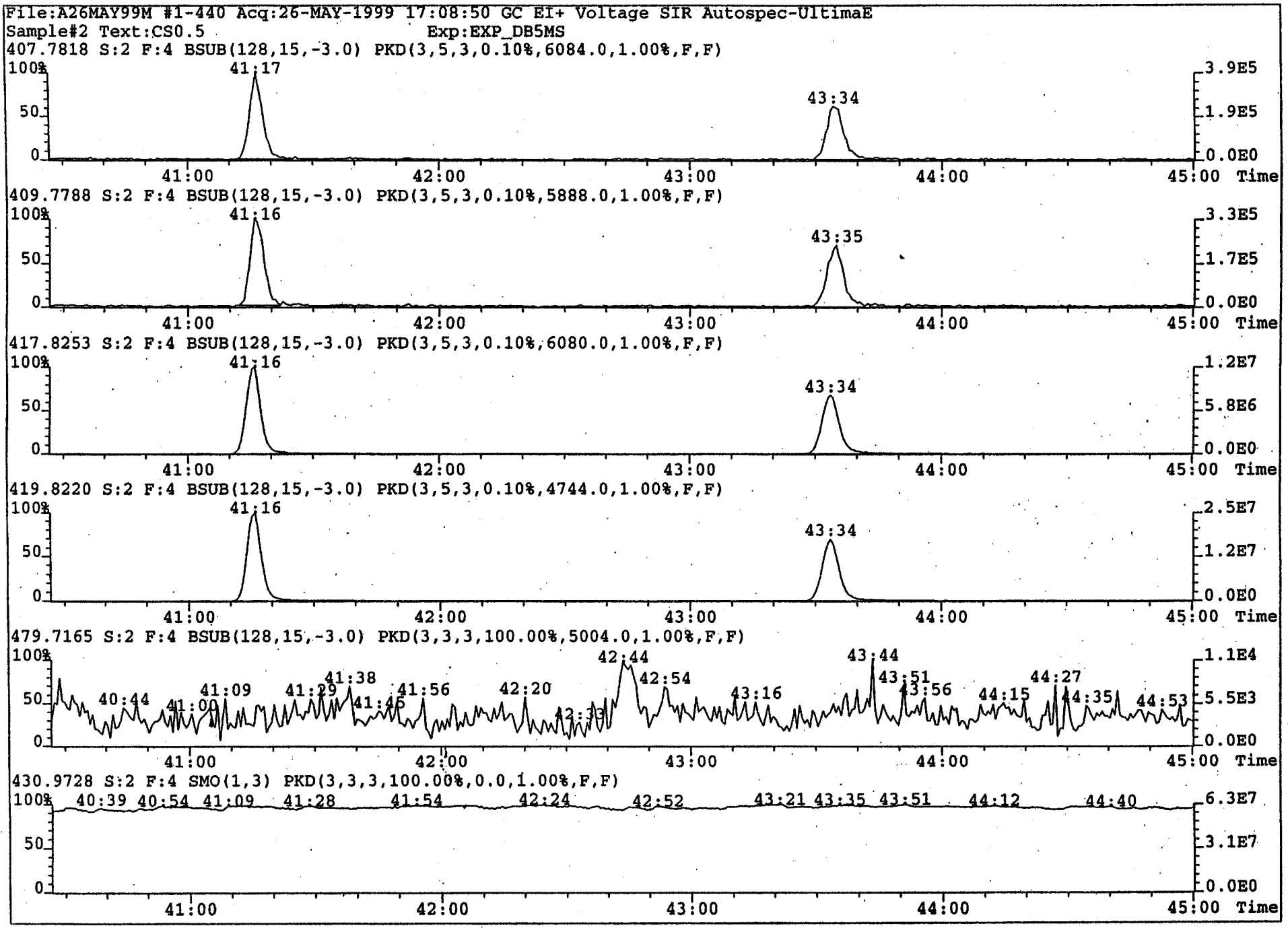

File:A26MAY99M #1-440 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
423.7767 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4764.0,1.00%,F,F)
42:46
41:15
41:38
43:34
2.3E5
1.2E5
0.0E0
425.7737 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5568.0,1.00%,F,F)
42:46
41:39
43:11
43:35
2.2E5
1.1E5
0.0E0
435.8169 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,7804.0,1.00%,F,F)
42:44
1.5E7
7.7E6
0.0E0
437.8140 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4952.0,1.00%,F,F)
42:44
1.5E7
7.6E6
0.0E0
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
40:39 40:54 41:09 41:28 41:54 42:24 42:52 43:21 43:35 43:51 44:12 44:31 44:46
6.3E7
3.1E7
0.0E0
100%
50
0
41:00
42:00
43:00
44:00
45:00
Time

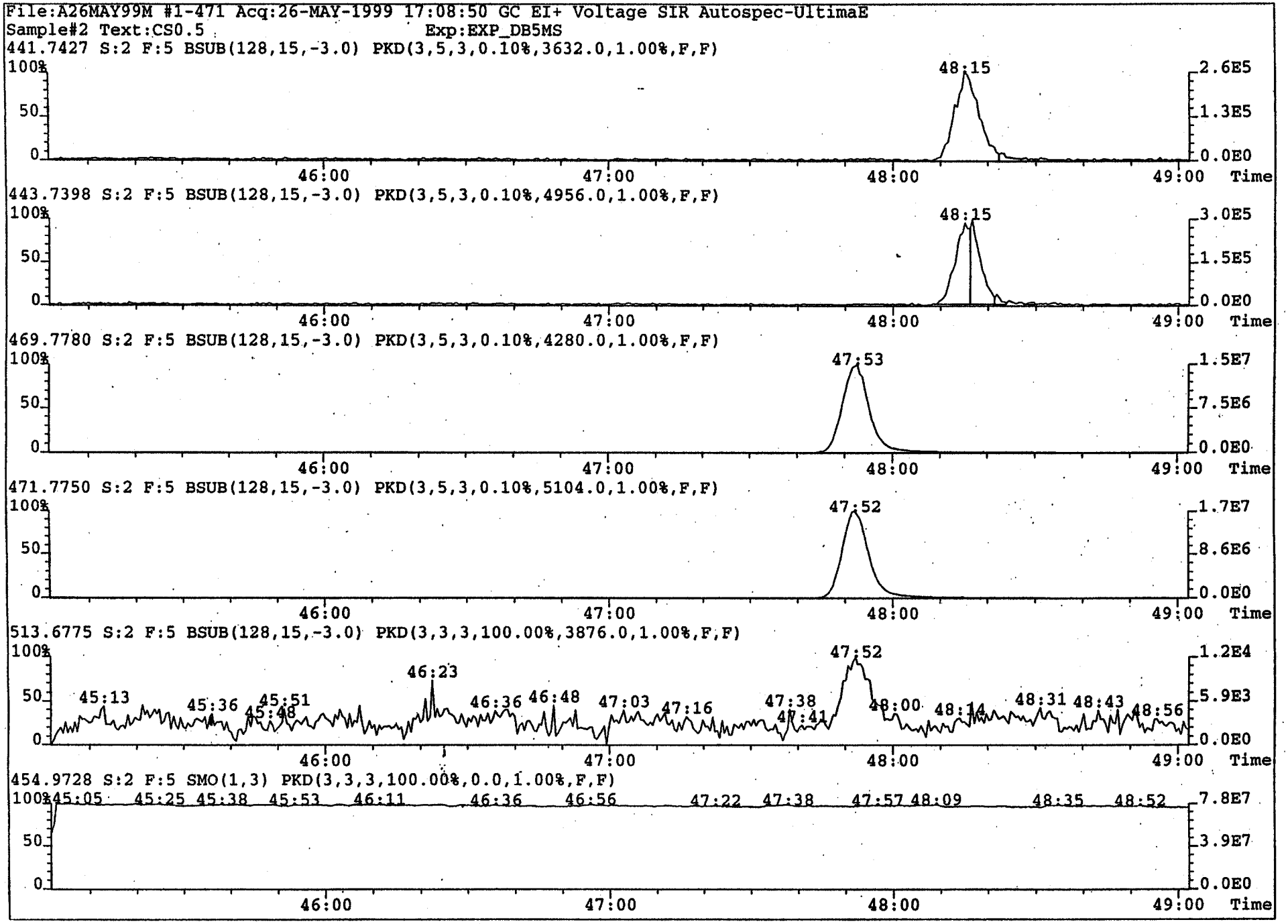

File:A26MAY99M #1-471 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
457.7377 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,7204.0,1.00%,F,F)
47:53
48:12
48:55
2.3E5
1.2E5
0.0E0
459.7348 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4964.0,1.00%,F,F)
47:53
2.5E5
1.2E5
0.0E0
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4280.0,1.00%,F,F)
47:53
1.5E7
7.5E6
0.0E0
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5104.0,1.00%,F,F)
47:52
1.7E7
8.6E6
0.0E0
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:05 45:25 45:38 45:53 46:11 46:36 46:56 47:22 47:38 47:57 48:09 48:35 48:52
7.8E7
3.9E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time


File:A26MAY99M #1-386 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
303.9016 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4404.0,1.00%,F,F)
32:30
29:05
31:49
32:53
33:26
1.7E5
8.6E4
0.0E0
305.8987 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4484.0,1.00%,F,F)
32:30
31:49
2.1E5
1.1E5
0.0E0
315.9419 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5656.0,1.00%,F,F)
32:29
6.3E7
3.1E7
0.0E0
317.9389 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,9024.0,1.00%,F,F)
32:29
6.8E7
3.4E7
0.0E0
375.8364 S:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3404.0,1.00%,F,F)
32:34
32:52
30:22
31:23
31:50
33:39
29:05
29:01
29:19
29:41
30:05
31:01
32:09
32:46
33:08
8.7E3
4.4E3
0.0E0
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
28:53
29:28
29:47
30:07
30:26
30:51
31:28
32:04
32:41
33:02
33:27
5.5E7
2.7E7
0.0E0
100%
50
0
29:00
30:00
31:00
32:00
33:00
Time


File:A26MAY99M #1-259 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
339.8597 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,8232.0,1.00%,F,F)
34:55
35:35
8.4E5
4.2E5
0.0E0
341.8568 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6072.0,1.00%,F,F)
34:55
35:35
5.7E5
2.9E5
0.0E0
351.9000 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,84584.0,1.00%,F,F)
34:55
35:35
6.8E7
3.4E7
0.0E0
353.8970 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,49672.0,1.00%,F,F)
34:55
35:35
4.0E7
2.0E7
0.0E0
409.7974 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4344.0,1.00%,F,F)
34:03
34:12
34:37
34:42
34:52
35:11
35:20
35:30
35:35
35:40
35:46
35:53
36:04
36:14
36:19
1.8E4
9.0E3
0.0E0
366.9792 S:2 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:00
34:12
34:28
34:37
34:48
34:59
35:09
35:23
35:36
35:53
36:03
36:14
36:25
4.8E7
2.4E7
0.0E0
100%
50
0
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
Time


File:A26MAY99M #1-372 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
373.8207 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5396.0,1.00%,F,F)
37:57
38:37
39:32
5.7E5
2.9E5
0.0E0
375.8178 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5936.0,1.00%,F,F)
37:56
38:37
39:32
36:52
5.4E5
2.7E5
0.0E0
383.8639 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6184.0,1.00%,F,F)
38:03
38:36
39:31
2.3E7
1.1E7
0.0E0
385.8610 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6820.0,1.00%,F,F)
37:56
38:36
39:31
4.6E7
2.3E7
0.0E0
445.7555 S:2 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3824.0,1.00%,F,F)
38:44
39:07
36:55
36:46
37:03
37:18
37:41
38:00
38:23
38:59
39:15
39:34
39:47
40:10
1.4E4
7.1E3
0.0E0
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
36:57
37:12
37:46
38:06
38:26
38:42
39:08
39:38
40:06
1.2E8
5.8E7
0.0E0
100%
50
0
37:00
38:00
39:00
40:00
Time


File:A26MAY99M #1-440 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
407.7818 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6084.0,1.00%,F,F)
41:17
43:34
3.9E5
1.9E5
0.0E0
409.7788 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5888.0,1.00%,F,F)
41:16
43:35
3.3E5
1.7E5
0.0E0
417.8253 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6080.0,1.00%,F,F)
41:16
43:34
1.2E7
5.8E6
0.0E0
419.8220 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4744.0,1.00%,F,F)
41:16
43:34
2.5E7
1.2E7
0.0E0
479.7165 S:2 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,5004.0,1.00%,F,F)
40:44 41:00 41:09 41:29 41:38 41:46 41:56 42:20 42:33 42:44 42:54 43:16 43:44 43:51 43:56 44:15 44:27 44:35 44:53
1.1E4
5.5E3
0.0E0
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
40:39 40:54 41:09 41:28 41:54 42:24 42:52 43:21 43:35 43:51 44:12 44:40
6.3E7
3.1E7
0.0E0
100%
50
0
41:00
42:00
43:00
44:00
45:00
Time


File:A26MAY99M #1-471 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
441.7427 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3632.0,1.00%,F,F)
48:15
2.6E5
1.3E5
0.0E0
443.7398 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4956.0,1.00%,F,F)
48:15
3.0E5
1.5E5
0.0E0
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4280.0,1.00%,F,F)
47:53
1.5E7
7.5E6
0.0E0
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5104.0,1.00%,F,F)
47:52
1.7E7
8.6E6
0.0E0
513.6775 S:2 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3876.0,1.00%,F,F)
47:52
46:23
45:13
45:36
45:51
45:48
46:36
46:48
47:03
47:16
47:38
47:41
48:00
48:14
48:31
48:43
48:56
1.2E4
5.9E3
0.0E0
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:05
45:25
45:38
45:53
46:11
46:36
46:56
47:22
47:38
47:57
48:09
48:35
48:52
7.8E7
3.9E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time

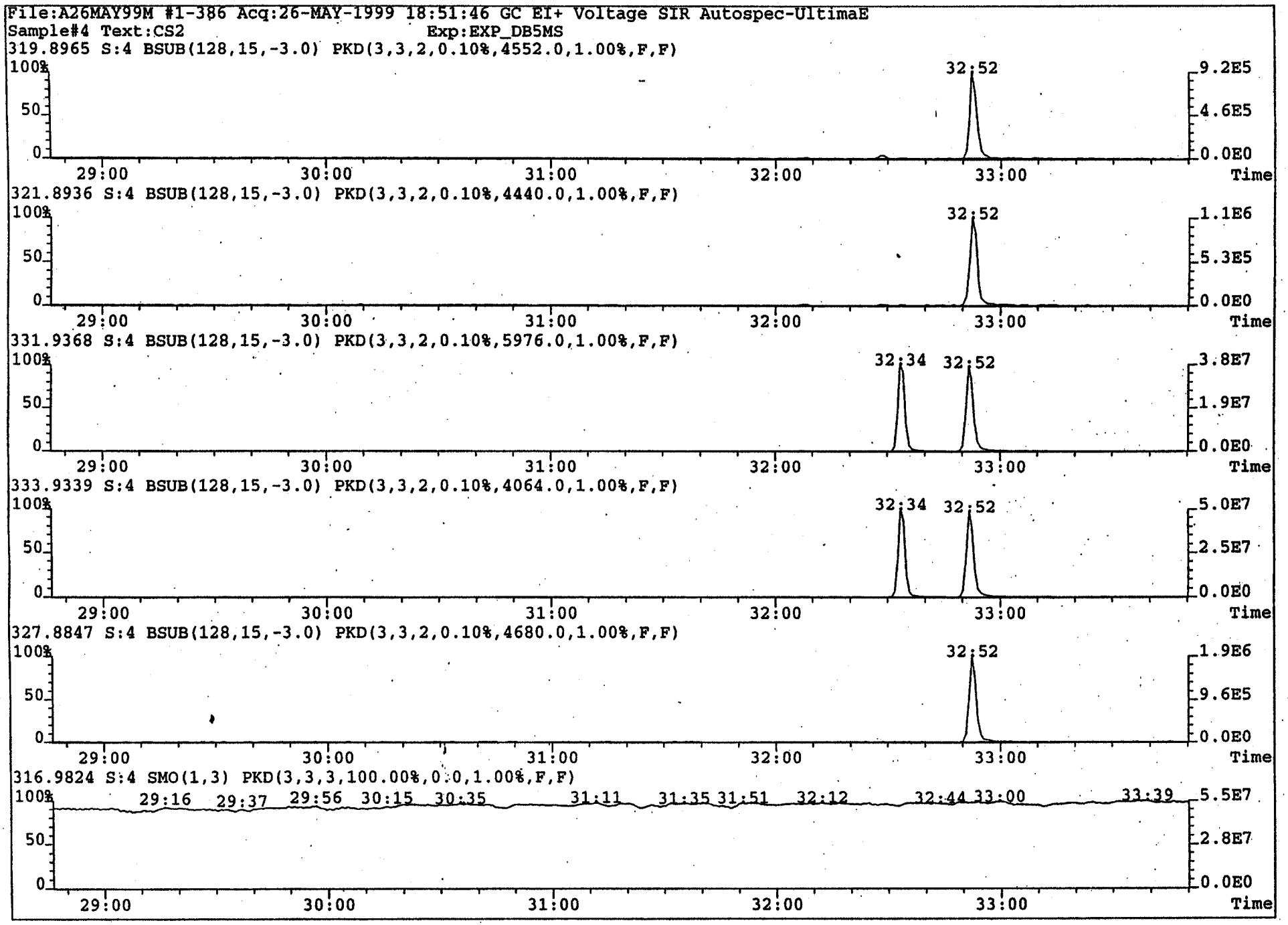
Run #2 Filename a26may99m S: 4 I: 1 Acquired: 26-MAY-99 18:51:46 Processed: 9-JUN-99 10:37:16
Run: Analyte: m1613-060» Cal: Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS2 Comments:

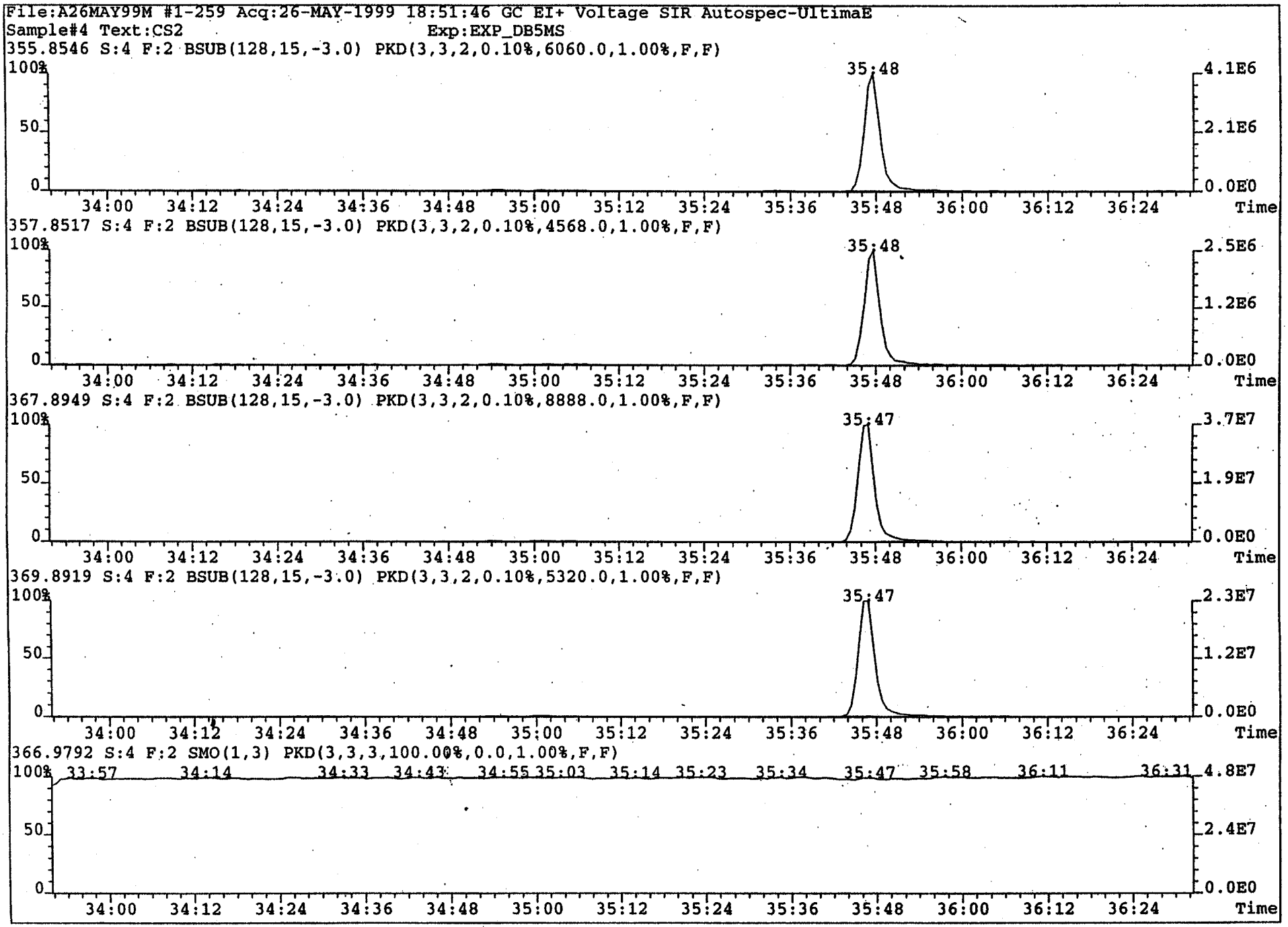
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?	
1	Unk	2,3,7,8-TCDD	2.00	4.43e+06	0.81	y	32:52	-	1.13	y	n	
2	Unk	1,2,3,7,8-PeCDD	10.00	1.68e+07	1.64	y	35:48	-	1.05	y	n	
3	Unk	1,2,3,4,7,8-HxCDD	10.00	1.41e+07	1.15	y	38:45	-	1.15	y	n	
4	Unk	1,2,3,6,7,8-HxCDD	10.00	1.32e+07	1.11	y	38:50	-	0.95	y	n	
5	Unk	1,2,3,7,8,9-HxCDD	10.00	1.58e+07	1.18	y	39:08	-	1.21	y	n	
6	Unk	1,2,3,4,6,7,8-HpCDD	10.00	1.42e+07	1.08	y	42:45	-	1.01	y	n	
7	Unk	OCDD	20.00	2.41e+07	0.88	y	47:53	-	1.06	y	n	
8	Unk	2,3,7,8-TCDF	2.00	6.27e+06	0.81	y	32:30	-	1.13	y	n	
9	Unk	1,2,3,7,8-PeCDF	10.00	2.65e+07	1.61	y	34:55	-	1.05	y	n	
10	Unk	2,3,4,7,8-PeCDF	10.00	2.72e+07	1.61	y	35:35	-	1.14	y	n	
11	Unk	1,2,3,4,7,8-HxCDF	10.00	2.33e+07	1.12	y	37:56	-	1.21	y	n	
12	Unk	1,2,3,6,7,8-HxCDF	10.00	2.40e+07	1.09	y	38:04	-	1.20	y	n	
13	Unk	2,3,4,6,7,8-HxCDF	10.00	2.15e+07	1.11	y	38:36	-	1.14	y	n	
14	Unk	1,2,3,7,8,9-HxCDF	10.00	2.03e+07	1.16	y	39:32	-	1.27	y	n	
15	Unk	1,2,3,4,6,7,8-HpCDF	10.00	2.23e+07	1.05	y	41:17	-	1.44	y	n	
16	Unk	1,2,3,4,7,8,9-HpCDF	10.00	1.88e+07	1.05	y	43:34	-	1.44	y	n	
17	Unk	OCDF	20.00	2.90e+07	0.87	y	48:15	-	1.28	y	n	
18	ES/RT	13C-2,3,7,8-TCDD	100.00	1.97e+08	0.77	y	32:52	-	1.05	y	n	
19	ES	13C-1,2,3,7,8-PeCDD	100.00	1.61e+08	1.59	y	35:47	-	0.86	y	n	
20	ES	13C-1,2,3,4,7,8-HxCDD	100.00	1.22e+08	1.14	y	38:44	-	0.79	y	n	
21	ES	13C-1,2,3,6,7,8-HxCDD	100.00	1.40e+08	1.14	y	38:50	-	0.90	y	n	
22	ES	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.42e+08	1.05	y	42:44	-	0.91	y	n	
23	ES	13C-OCDD	200.00	2.27e+08	0.86	y	47:52	-	0.73	y	n	
24	ES/RT	13C-2,3,7,8-TCDF	100.00	2.78e+08	0.85	y	32:29	-	1.48	y	n	
25	ES	13C-1,2,3,7,8-PeCDF	100.00	2.53e+08	1.68	y	34:55	-	1.35	y	n	
26	ES	13C-2,3,4,7,8-PeCDF	100.00	2.38e+08	1.67	y	35:34	-	1.27	y	n	
27	ES	13C-1,2,3,4,7,8-HxCDF	100.00	1.92e+08	0.48	y	37:56	-	1.24	y	n	
28	ES	13C-1,2,3,6,7,8-HxCDF	100.00	2.00e+08	0.47	y	38:02	-	1.29	y	n	
29	ES	13C-2,3,4,6,7,8-HxCDF	100.00	1.88e+08	0.48	y	38:35	-	1.21	y	n	
30	ES	13C-1,2,3,7,8,9-HxCDF	100.00	1.60e+08	0.49	y	39:31	-	1.03	y	n	
31	ES	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.55e+08	0.46	y	41:16	-	1.00	y	n	
32	ES	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.30e+08	0.47	y	43:34	-	0.84	y	n	
33	JS	13C-1,2,3,4-TCDD	100.00	1.88e+08	0.77	y	32:34	1.88e+06	-	n	n	
34	JS	13C-1,2,3,7,8,9-HxCDD	100.00	1.55e+08	1.19	y	39:07	1.55e+06	-	n	n	
35	CS	37Cl-2,3,7,8-TCDD	2.00	4.24e+06			32:52	-	1.13	y	n	
36	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.13	y	n	
37	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.13	y	n	
38	Tot	Total Penta-Furans Fn1	0.00	-	-	n	-	-	1.09	y	n	
39	Tot	Total Penta-Furans Fn2	0.00	-	-	n	-	-	1.09	y	n	
40	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	1.05	y	n	
41	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	1.20	y	n	

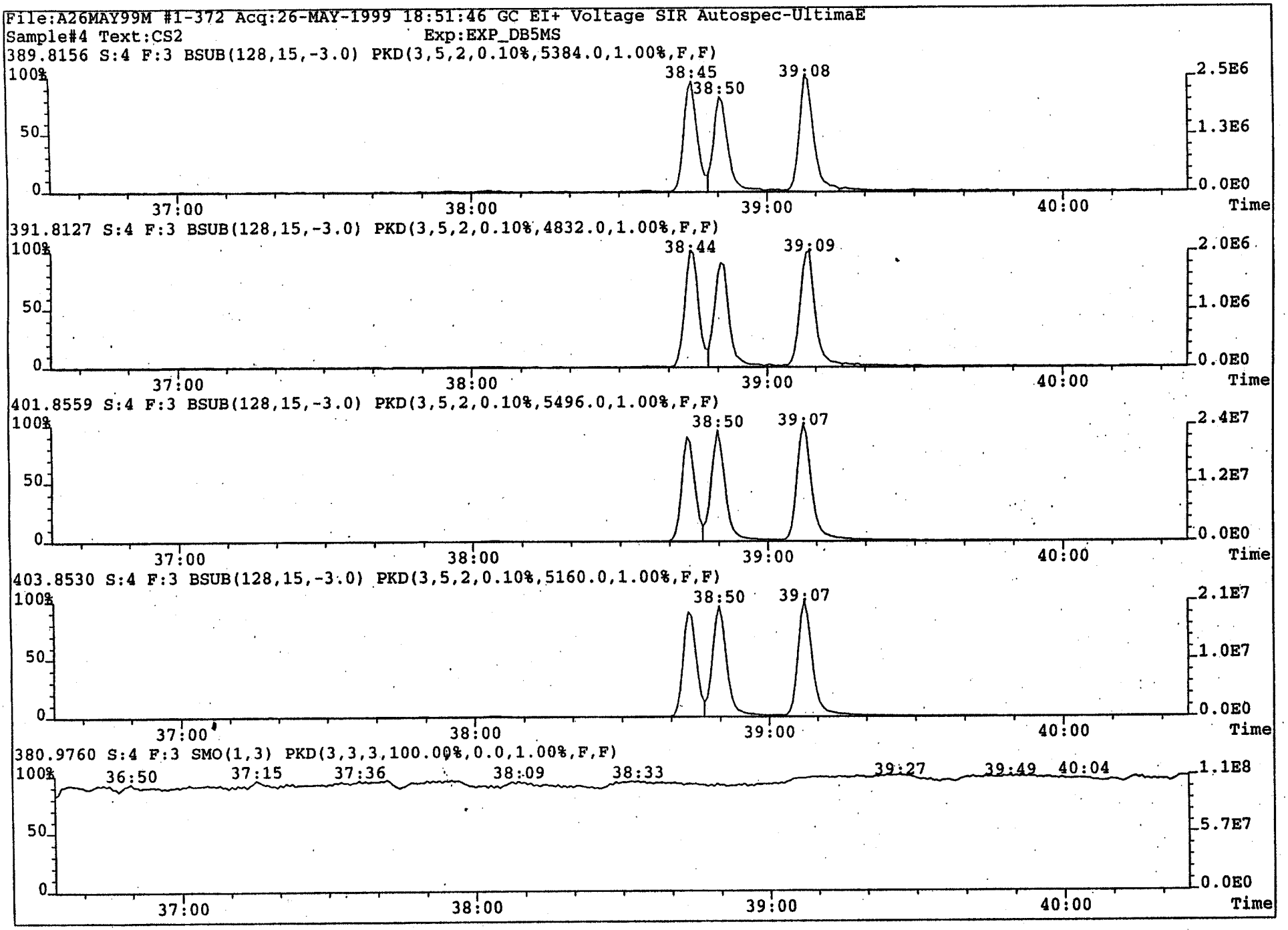
$$RRF = \frac{1.58\,10^7 \times 10}{10 \times \frac{(1.22\,10^8 + 1.40\,10^8)}{2}}$$

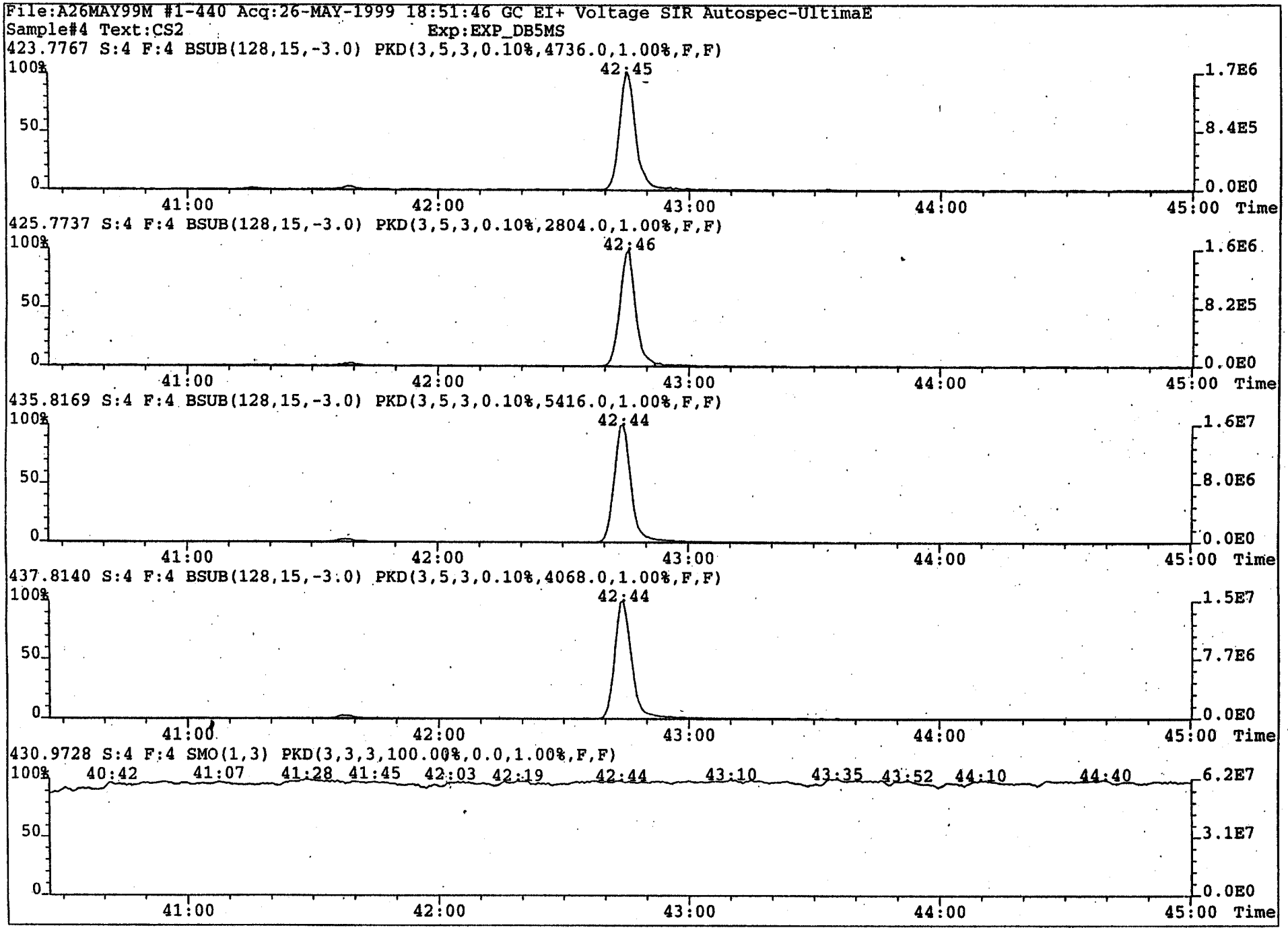
$1.31\,10^8$

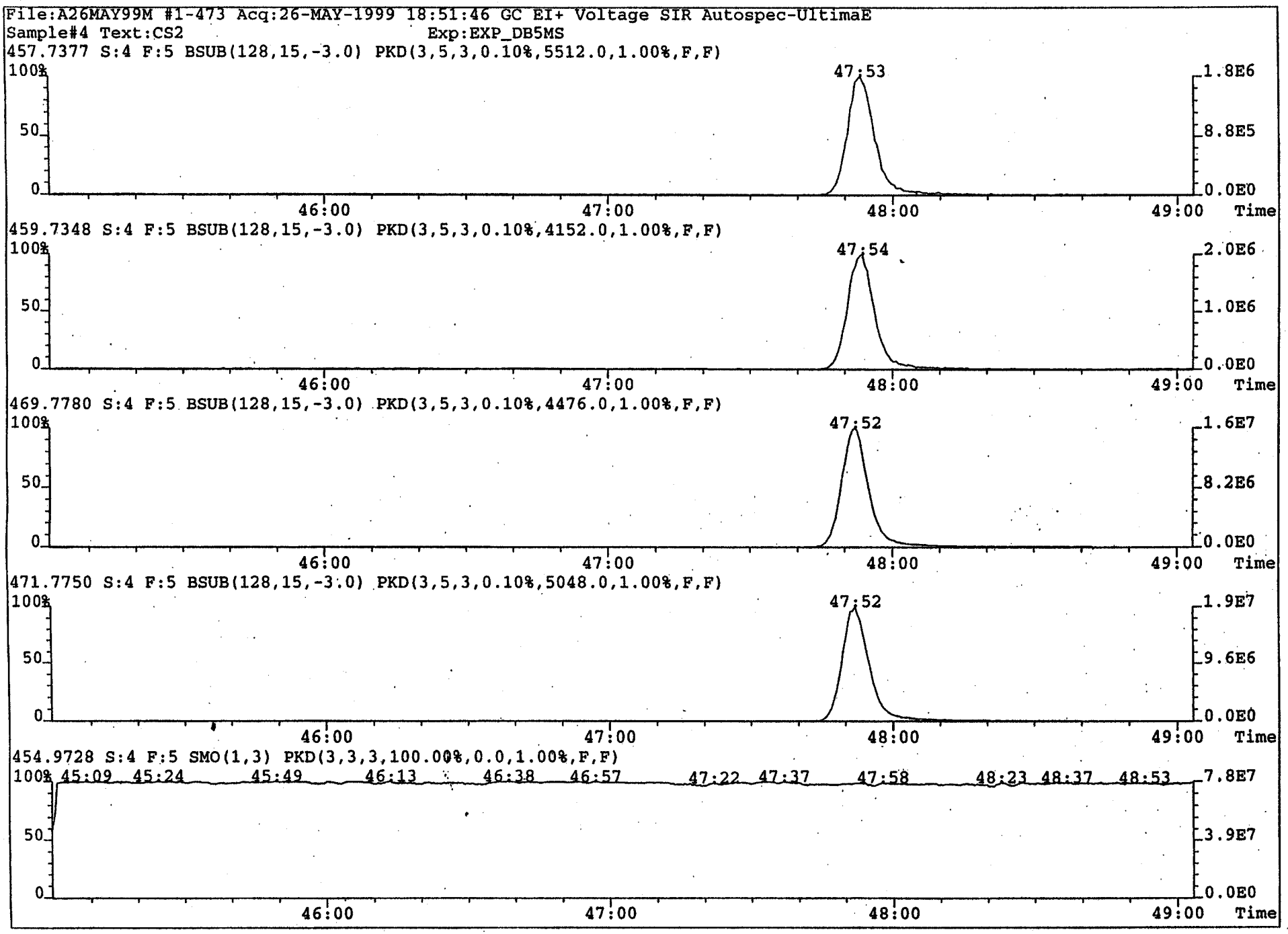
$= 1.21$ OK

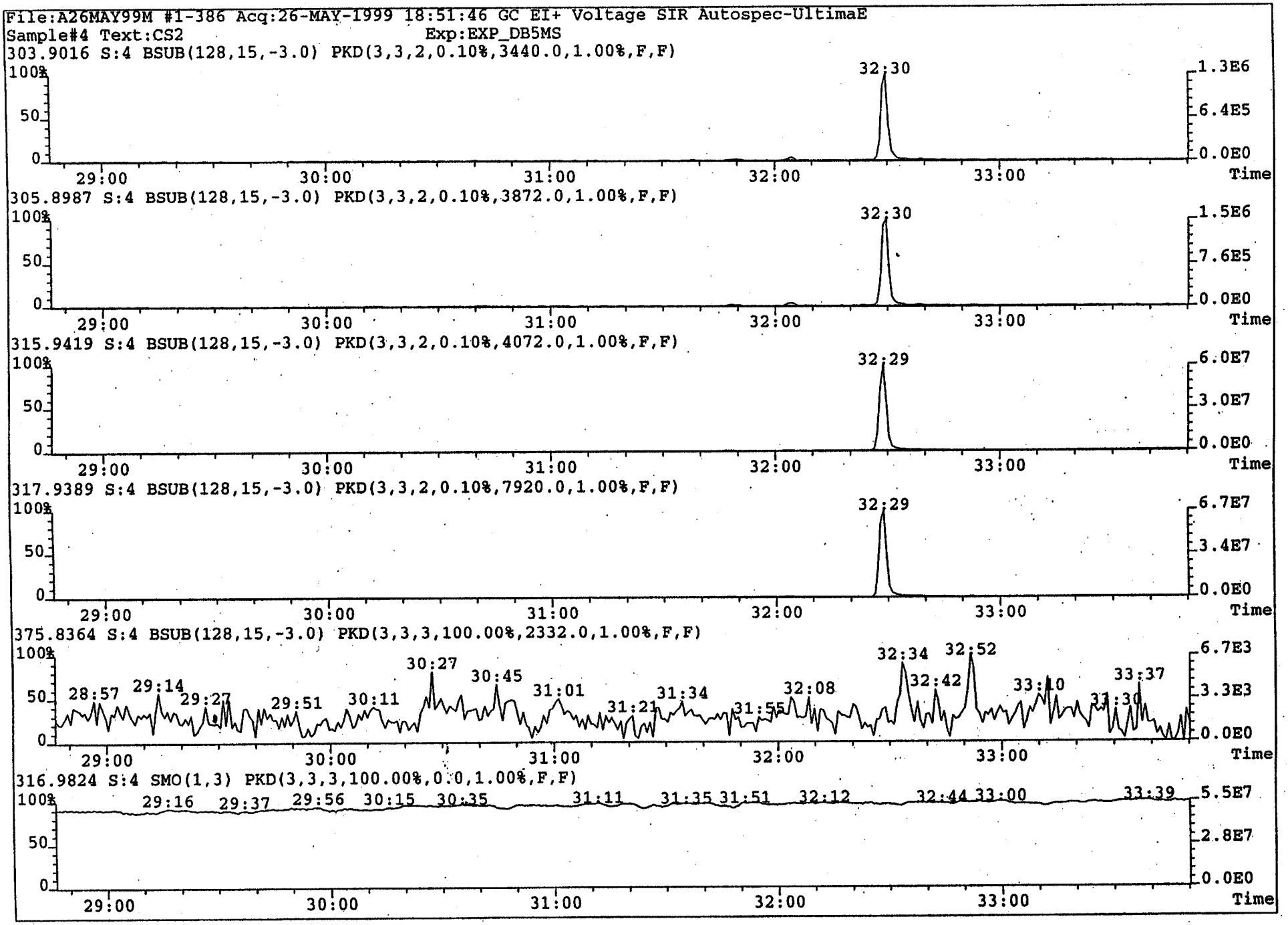

File:A26MAY99M #1-386 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
319.8965 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4552.0,1.00%,F,F)
32:52
9.2E5
4.6E5
0.0E0
321.8936 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4440.0,1.00%,F,F)
32:52
1.1E6
5.3E5
0.0E0
331.9368 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5976.0,1.00%,F,F)
32:34
32:52
3.8E7
1.9E7
0.0E0
333.9339 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4064.0,1.00%,F,F)
32:34
32:52
5.0E7
2.5E7
0.0E0
327.8847 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4680.0,1.00%,F,F)
32:52
1.9E6
9.6E5
0.0E0
316.9824 S:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
29:16
29:37
29:56
30:15
30:35
31:11
31:35
31:51
32:12
32:44
33:00
33:39
5.5E7
2.8E7
0.0E0
100%
50
0
29:00
30:00
31:00
32:00
33:00
Time

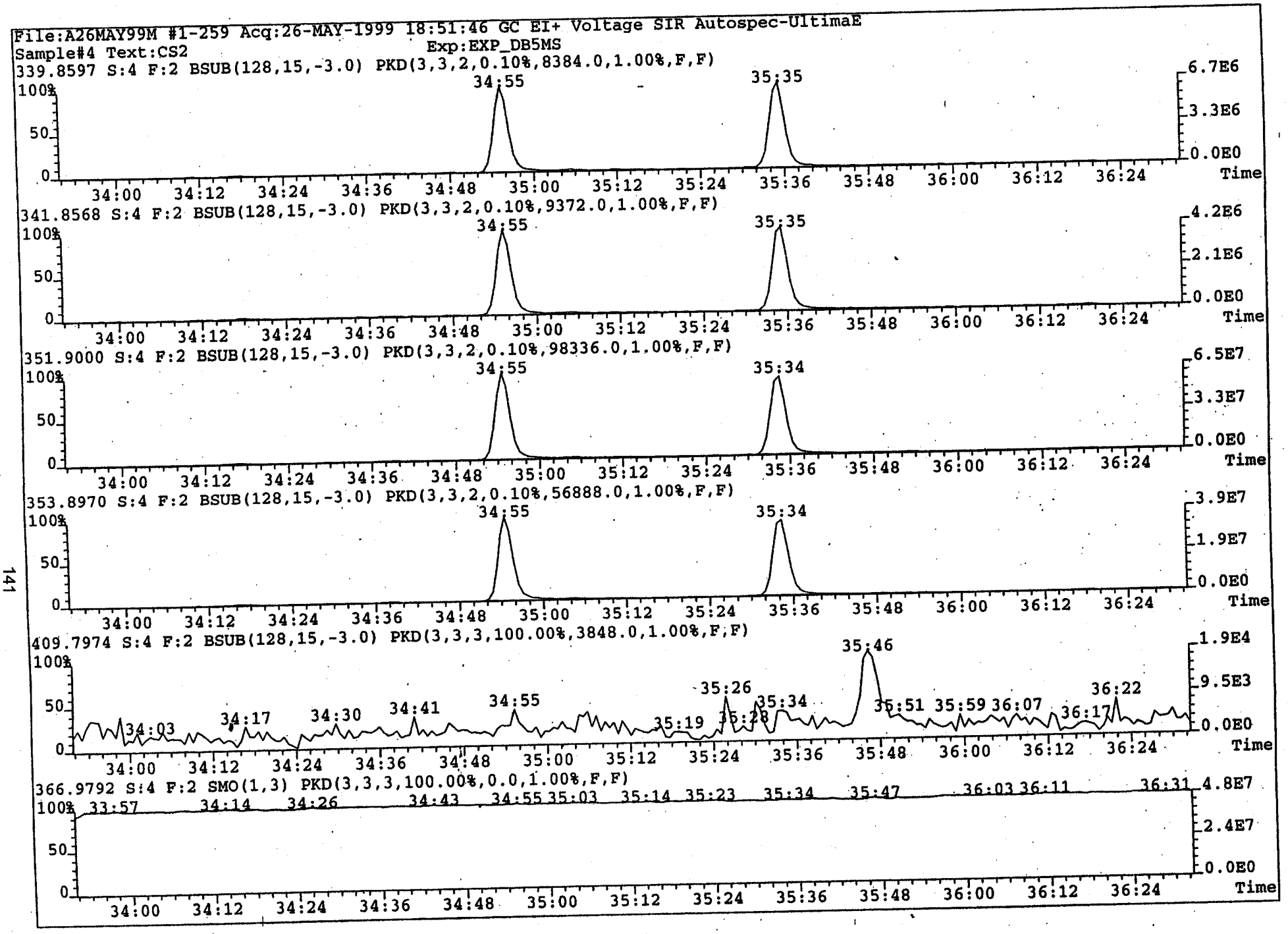

File:A26MAY99M #1-259 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
355.8546 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6060.0,1.00%,F,F)
35:48
4.1E6
2.1E6
0.0E0
357.8517 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4568.0,1.00%,F,F)
35:48
2.5E6
1.2E6
0.0E0
367.8949 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,8888.0,1.00%,F,F)
35:47
3.7E7
1.9E7
0.0E0
369.8919 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5320.0,1.00%,F,F)
35:47
2.3E7
1.2E7
0.0E0
366.9792 S:4 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
33:57 34:14 34:33 34:43 34:55 35:03 35:14 35:23 35:34 35:47 35:58 36:11 36:31
4.8E7
2.4E7
0.0E0
100%
50
0
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
Time

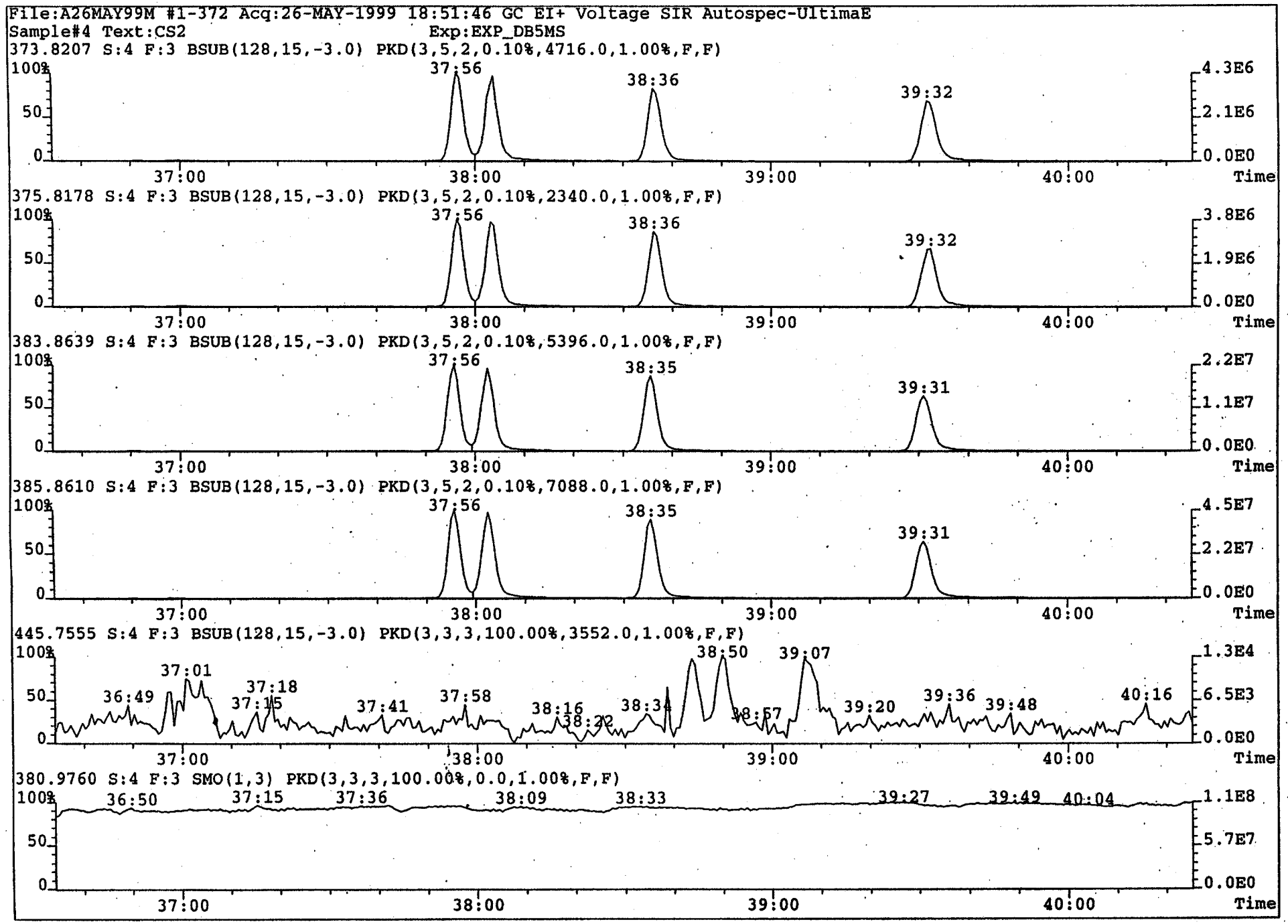

File:A26MAY99M #1-372 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
389.8156 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5384.0,1.00%,F,F)
38:45
38:50
39:08
2.5E6
1.3E6
0.0E0
391.8127 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4832.0,1.00%,F,F)
38:44
39:09
2.0E6
1.0E6
0.0E0
401.8559 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5496.0,1.00%,F,F)
38:50
39:07
2.4E7
1.2E7
0.0E0
403.8530 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5160.0,1.00%,F,F)
38:50
39:07
2.1E7
1.0E7
0.0E0
380.9760 S:4 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
36:50
37:15
37:36
38:09
38:33
39:27
39:49
40:04
1.1E8
5.7E7
0.0E0
100%
50
0
37:00
38:00
39:00
40:00
Time

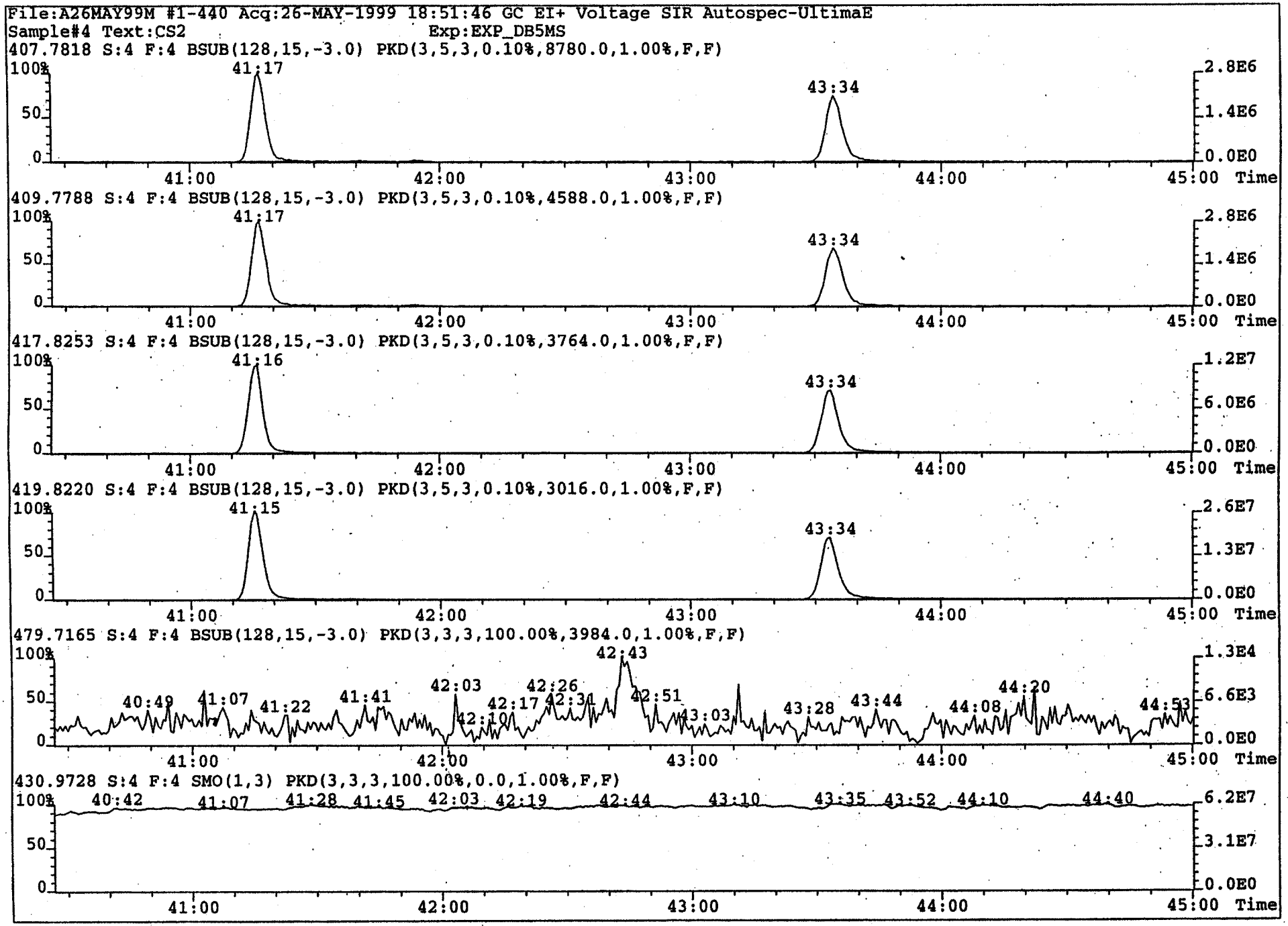

File:A26MAY99M #1-440 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
423.7767 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4736.0,1.00%,F,F)
42:45
1.7E6
8.4E5
0.0E0
425.7737 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2804.0,1.00%,F,F)
42:46
1.6E6
8.2E5
0.0E0
435.8169 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5416.0,1.00%,F,F)
42:44
1.6E7
8.0E6
0.0E0
437.8140 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4068.0,1.00%,F,F)
42:44
1.5E7
7.7E6
0.0E0
430.9728 S:4 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
40:42 41:07 41:28 41:45 42:03 42:19 42:44 43:10 43:35 43:52 44:10 44:40
6.2E7
3.1E7
0.0E0
100%
50
0
41:00
42:00
43:00
44:00
45:00
Time

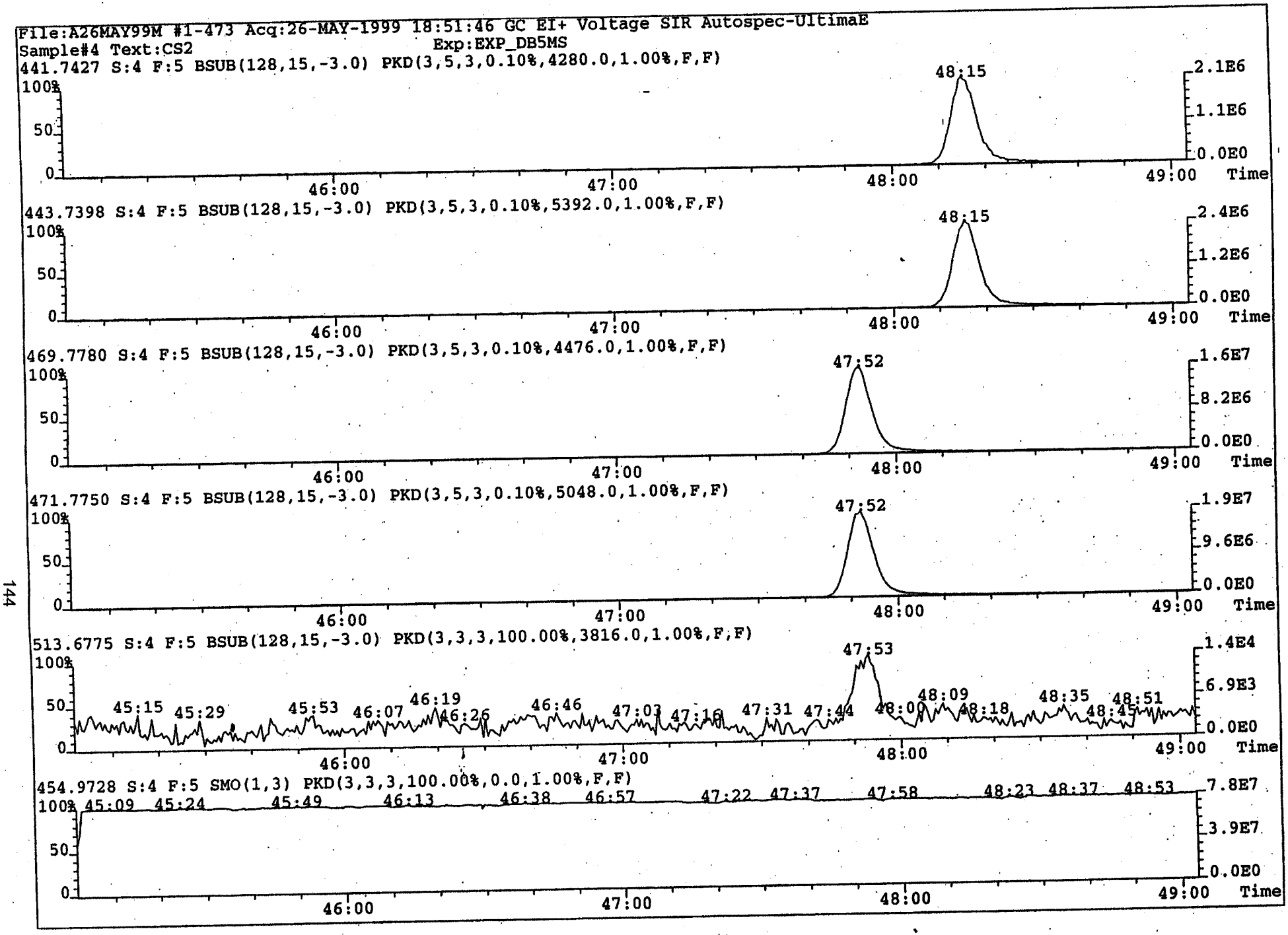

File:A26MAY99M #1-473 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
457.7377 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5512.0,1.00%,F,F)
47:53
1.8E6
8.8E5
0.0E0
459.7348 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4152.0,1.00%,F,F)
47:54
2.0E6
1.0E6
0.0E0
469.7780 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4476.0,1.00%,F,F)
47:52
1.6E7
8.2E6
0.0E0
471.7750 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5048.0,1.00%,F,F)
47:52
1.9E7
9.6E6
0.0E0
454.9728 S:4 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:09 45:24 45:49 46:13 46:38 46:57 47:22 47:37 47:58 48:23 48:37 48:53
7.8E7
3.9E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time


File:A26MAY99M #1-386 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
303.9016 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3440.0,1.00%,F,F)
32:30
1.3E6
6.4E5
0.0E0
305.8987 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3872.0,1.00%,F,F)
32:30
1.5E6
7.6E5
0.0E0
315.9419 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4072.0,1.00%,F,F)
32:29
6.0E7
3.0E7
0.0E0
317.9389 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7920.0,1.00%,F,F)
32:29
6.7E7
3.4E7
0.0E0
375.8364 S:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2332.0,1.00%,F,F)
28:57 29:14 29:27 29:51 30:11 30:27 30:45 31:01 31:21 31:34 31:55 32:08 32:34 32:42 32:52 33:10 33:30 33:37
6.7E3
3.3E3
0.0E0
316.9824 S:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
29:16 29:37 29:56 30:15 30:35 31:11 31:35 31:51 32:12 32:44 33:00 33:39
5.5E7
2.8E7
0.0E0
100%
50
0
29:00
30:00
31:00
32:00
33:00
Time


File:A26MAY99M #1-259 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
339.8597 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,8384.0,1.00%,F,F)
341.8568 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,9372.0,1.00%,F,F)
351.9000 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,98336.0,1.00%,F,F)
353.8970 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,56888.0,1.00%,F,F)
409.7974 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3848.0,1.00%,F,F)
366.9792 S:4 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A26MAY99M #1-372 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
373.8207 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4716.0,1.00%,F,F)
37:56
38:36
39:32
4.3E6
2.1E6
0.0E0
375.8178 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2340.0,1.00%,F,F)
37:56
38:36
39:32
3.8E6
1.9E6
0.0E0
383.8639 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5396.0,1.00%,F,F)
37:56
38:35
39:31
2.2E7
1.1E7
0.0E0
385.8610 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,7088.0,1.00%,F,F)
37:56
38:35
39:31
4.5E7
2.2E7
0.0E0
445.7555 S:4 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3552.0,1.00%,F,F)
36:49
37:01
37:15
37:18
37:41
37:58
38:16
38:22
38:34
38:50
38:57
39:07
39:20
39:36
39:48
40:16
1.3E4
6.5E3
0.0E0
380.9760 S:4 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
36:50
37:15
37:36
38:09
38:33
39:27
39:49
40:04
1.1E8
5.7E7
0.0E0
100%
50
0
37:00
38:00
39:00
40:00
Time

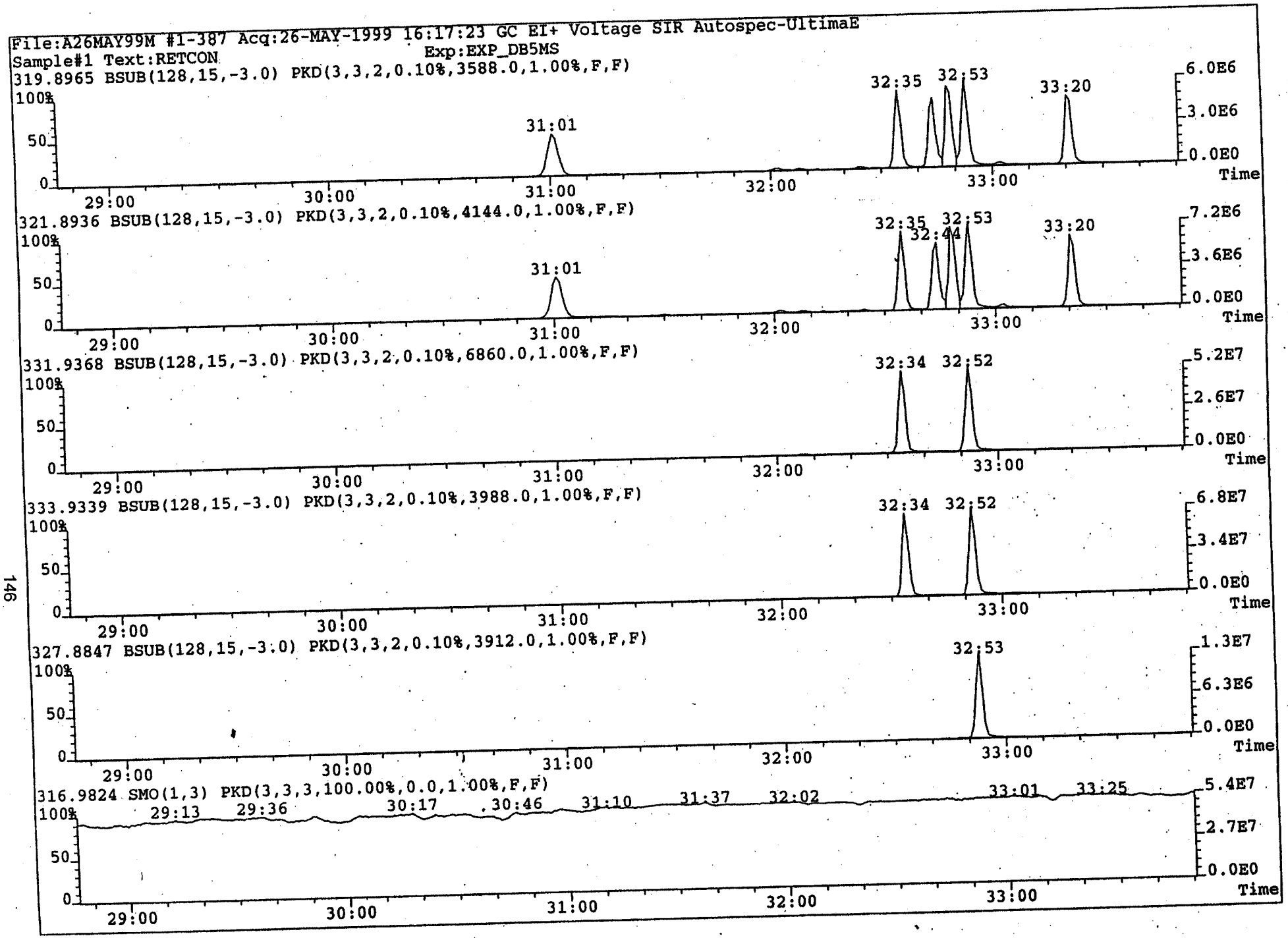

File:A26MAY99M #1-440 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
407.7818 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8780.0,1.00%,F,F)
41:17
43:34
2.8E6
1.4E6
0.0E0
409.7788 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4588.0,1.00%,F,F)
41:17
43:34
2.8E6
1.4E6
0.0E0
417.8253 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3764.0,1.00%,F,F)
41:16
43:34
1.2E7
6.0E6
0.0E0
419.8220 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3016.0,1.00%,F,F)
41:15
43:34
2.6E7
1.3E7
0.0E0
479.7165 S:4 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3984.0,1.00%,F,F)
42:43
40:49 41:07 41:22 41:41 42:03 42:26 42:17 42:31 42:51 43:03 43:28 43:44 44:08 44:20 44:53
1.3E4
6.6E3
0.0E0
430.9728 S:4 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
40:42 41:07 41:28 41:45 42:03 42:19 42:44 43:10 43:35 43:52 44:10 44:40
6.2E7
3.1E7
0.0E0
100%
50
0
41:00
42:00
43:00
44:00
45:00
Time

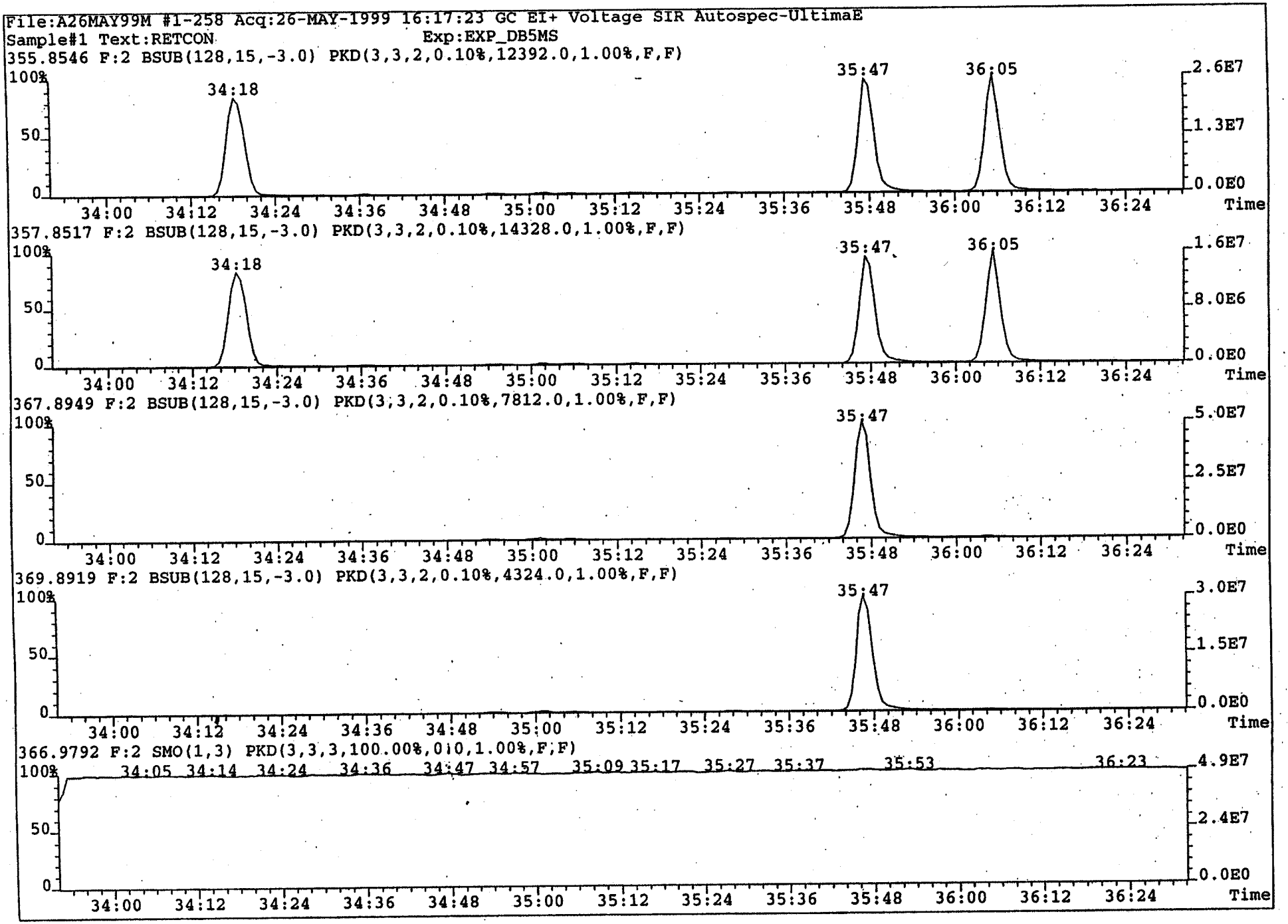

File:A26MAY99M #1-473 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
441.7427 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4280.0,1.00%,F,F)
48:15
2.1E6
1.1E6
0.0E0
443.7398 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5392.0,1.00%,F,F)
48:15
2.4E6
1.2E6
0.0E0
469.7780 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4476.0,1.00%,F,F)
47:52
1.6E7
8.2E6
0.0E0
471.7750 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5048.0,1.00%,F,F)
47:52
1.9E7
9.6E6
0.0E0
513.6775 S:4 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3816.0,1.00%,F,F)
47:53
1.4E4
6.9E3
0.0E0
45:15 45:29 45:53 46:07 46:19 46:26 46:46 47:03 47:16 47:31 47:44 48:00 48:09 48:18 48:35 48:45 48:51
454.9728 S:4 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:09 45:24 45:49 46:13 46:38 46:57 47:22 47:37 47:58 48:23 48:37 48:53
7.8E7
3.9E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time

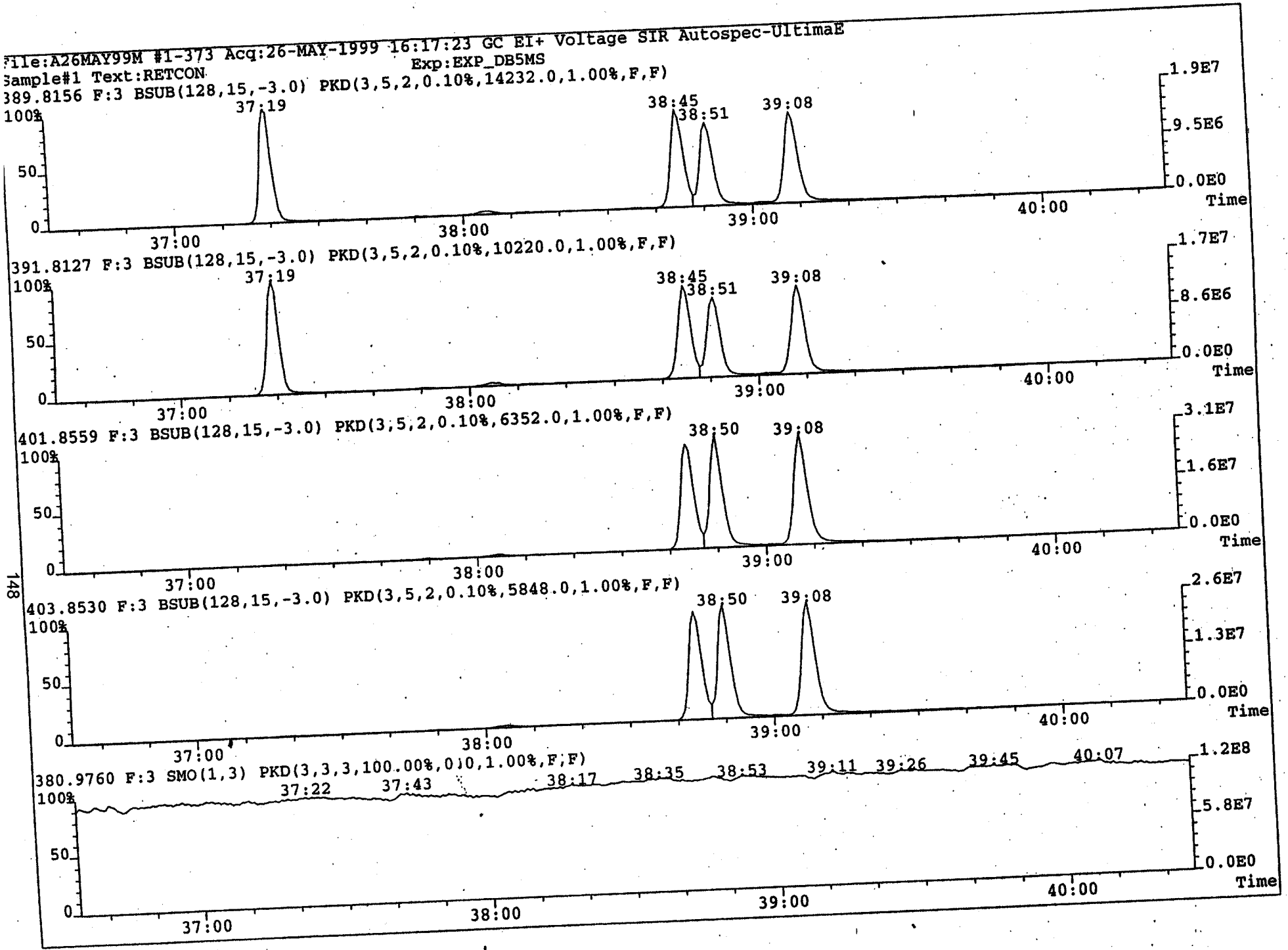
Run #3 Filename a26may99m S: 1 I: 1 Acquired: 26-MAY-99 16:17:23 Processed: 9-JUN-99 10:37:41
Run: Analyte: Cal: Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: RETCON Comments:

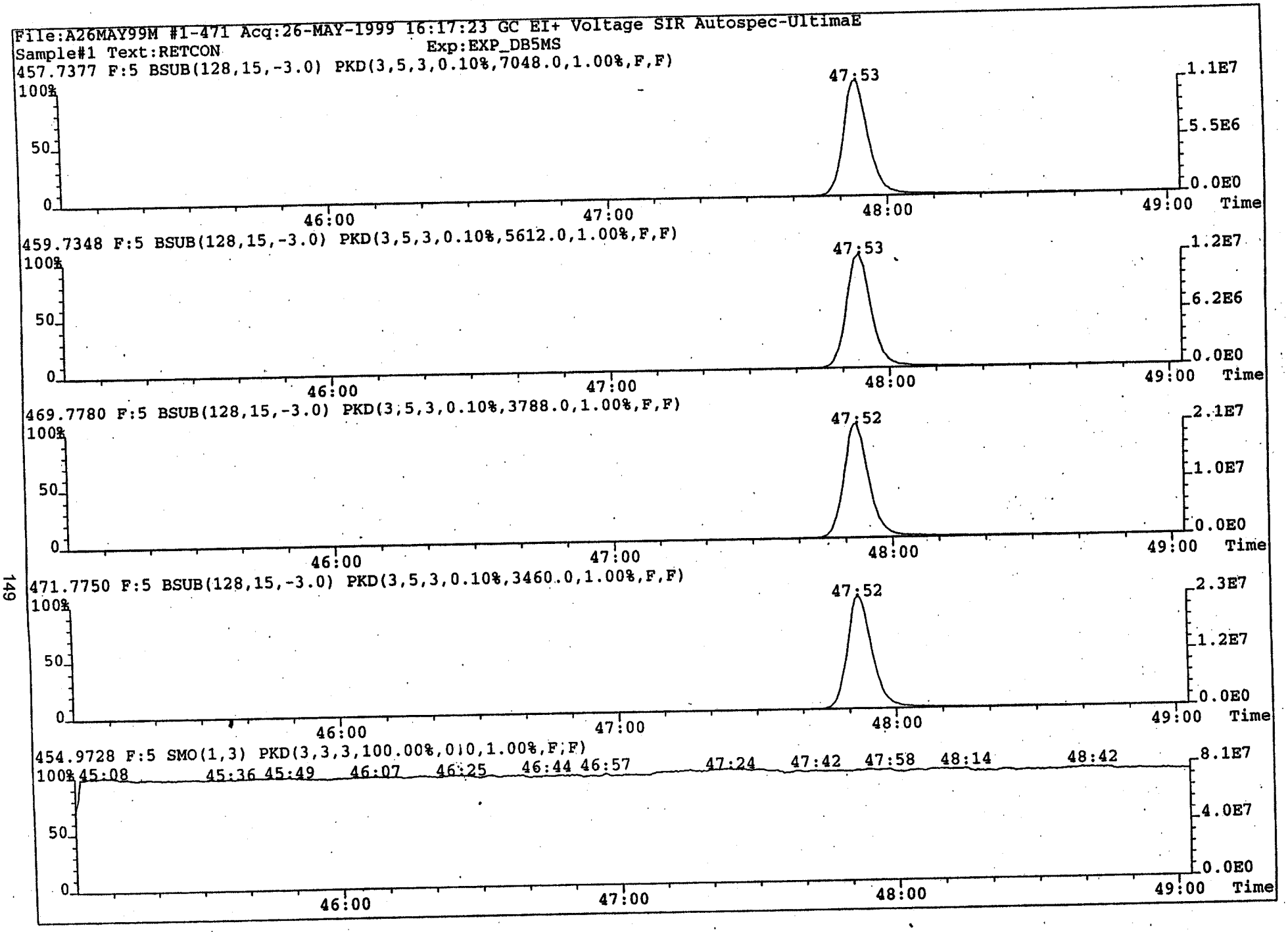
	Typ	Name	Amount	Resp	RA		RT		RF	RRF		Modified?	
1	Unk	2,3,7,8-TCDD	10.00	2.85e+07	0.82	y	32:53		-	1.17	y	n	
2	Unk	1,2,3,7,8-PeCDD	50.00	1.02e+08	1.67	y	35:47		-	1.01	y	n	
3	Unk	1,2,3,4,7,8-HxCDD	50.00	8.92e+07	1.15	y	38:45		-	1.11	y	n	
4	Unk	1,2,3,6,7,8-HxCDD	50.00	8.38e+07	1.16	y	38:51		-	0.97	y	n	
5	Unk	1,2,3,7,8,9-HxCDD	50.00	9.42e+07	1.15	y	39:08		-	1.13	y	n	
6	Unk	1,2,3,4,6,7,8-HpCDD	50.00	8.63e+07	1.05	y	42:45		-	1.00	y	n	
7	Unk	OCDD	100.00	1.41e+08	0.88	y	47:53		-	1.07	y	n	
8	Unk	2,3,7,8-TCDF	10.00	3.87e+07	0.80	y	32:29		-	1.12	y	n	
9	Unk	1,2,3,7,8-PeCDF	50.00	1.62e+08	1.58	y	34:56		-	1.06	y	n	
10	Unk	2,3,4,7,8-PeCDF	50.00	1.62e+08	1.60	y	35:35		-	1.11	y	n	
11	Unk	1,2,3,4,7,8-HxCDF	50.00	1.34e+08	1.10	y	37:57		-	1.21	y	n	
12	Unk	1,2,3,6,7,8-HxCDF	50.00	1.39e+08	1.11	y	38:03		-	1.19	y	n	
13	Unk	2,3,4,6,7,8-HxCDF	50.00	1.32e+08	1.16	y	38:36		-	1.14	y	n	
14	Unk	1,2,3,7,8,9-HxCDF	100.00	2.36e+08	1.14	y	39:33		-	1.21	y	n	
15	Unk	1,2,3,4,6,7,8-HpCDF	50.00	1.32e+08	1.03	y	41:17		-	1.46	y	n	
16	Unk	1,2,3,4,7,8,9-HpCDF	50.00	1.08e+08	1.04	y	43:35		-	1.44	y	n	
17	Unk	OCDF	100.00	1.68e+08	0.88	y	48:15		-	1.27	y	n	
18	ES/RT	13C-2,3,7,8-TCDD	100.00	2.44e+08	0.76	y	32:52		-	1.05	y	n	
19	ES	13C-1,2,3,7,8-PeCDD	100.00	2.03e+08	1.65	y	35:47		-	0.88	y	n	
20	ES	13C-1,2,3,4,7,8-HxCDD	100.00	1.61e+08	1.19	y	38:44		-	0.88	y	n	
21	ES	13C-1,2,3,6,7,8-HxCDD	100.00	1.73e+08	1.17	y	38:50		-	0.95	y	n	
22	ES	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.73e+08	1.05	y	42:44		-	0.95	y	n	
23	ES	13C-OCDD	200.00	2.64e+08	0.88	y	47:52		-	0.72	y	n	
24	ES/RT	13C-2,3,7,8-TCDF	100.00	3.45e+08	0.84	y	32:29		-	1.49	y	n	
25	ES	13C-1,2,3,7,8-PeCDF	100.00	3.06e+08	1.70	y	34:55		-	1.32	y	n	
26	ES	13C-2,3,4,7,8-PeCDF	100.00	2.91e+08	1.70	y	35:34		-	1.26	y	n	
27	ES	13C-1,2,3,4,7,8-HxCDF	100.00	2.21e+08	0.47	y	37:55		-	1.21	y	n	
28	ES	13C-1,2,3,6,7,8-HxCDF	100.00	2.34e+08	0.48	y	38:03		-	1.28	y	n	
29	ES	13C-2,3,4,6,7,8-HxCDF	100.00	2.33e+08	0.51	y	38:36		-	1.28	y	n	
30	ES	13C-1,2,3,7,8,9-HxCDF	100.00	1.94e+08	0.50	y	39:31		-	1.06	y	n	
31	ES	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.80e+08	0.46	y	41:16		-	0.99	y	n	
32	ES	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.50e+08	0.46	y	43:34		-	0.82	y	n	
33	JS	13C-1,2,3,4-TCDD	100.00	2.32e+08	0.78	y	32:34	2.32e+06	-	n	n		
34	JS	13C-1,2,3,7,8,9-HxCDD	100.00	1.83e+08	1.17	y	39:08	1.83e+06	-	n	n		
35	CS	37Cl-2,3,7,8-TCDD	10.00	2.58e+07			32:53		-	1.11	y	n	
36	Tot	Total Tetra-Furans	0.00	-	-	n	-		-	1.12	y	n	
37	Tot	Total Tetra-Dioxins	0.00	-	-	n	-		-	1.17	y	n	
38	Tot	Total Penta-Furans Fn1	0.00	-	-	n	-		-	1.09	y	n	
39	Tot	Total Penta-Furans Fn2	0.00	-	-	n	-		-	1.09	y	n	
40	Tot	Total Penta-Dioxins	0.00	-	-	n	-		-	1.01	y	n	
41	Tot	Total Hexa-Furans	0.00	-	-	n	-		-	1.16	y	n	

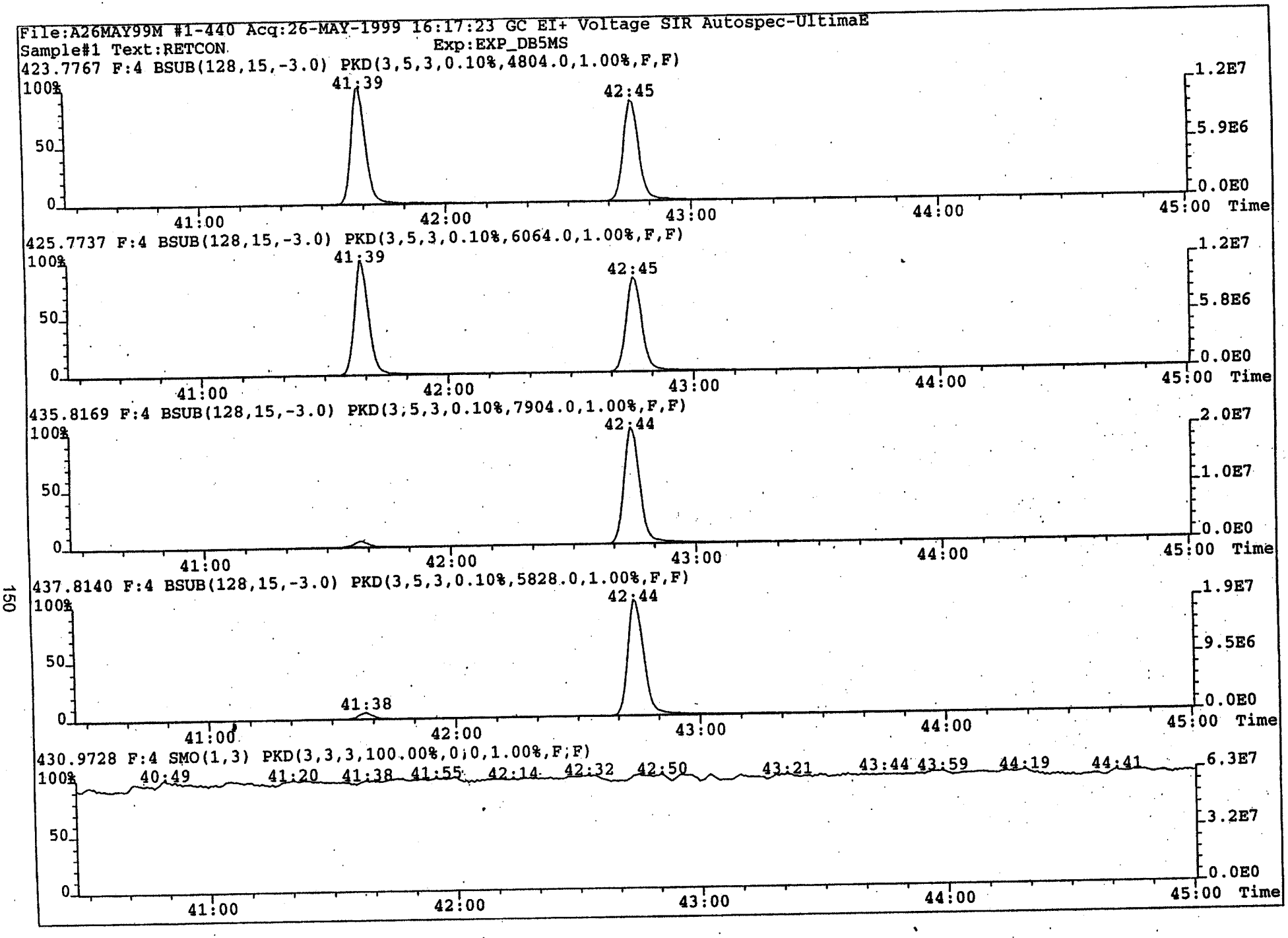
$RRF = \frac{1.62 \times 10^8 \times 100}{50 \times 2.91 \times 10^8} = 1.11$ OK


File:A26MAY99M #1-387 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
319.8965 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3588.0,1.00%,F,F)
31:01
32:35
32:53
33:20
6.0E6
3.0E6
0.0E0
321.8936 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4144.0,1.00%,F,F)
31:01
32:35
32:44
32:53
33:20
7.2E6
3.6E6
0.0E0
331.9368 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6860.0,1.00%,F,F)
32:34
32:52
5.2E7
2.6E7
0.0E0
333.9339 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3988.0,1.00%,F,F)
32:34
32:52
6.8E7
3.4E7
0.0E0
327.8847 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3912.0,1.00%,F,F)
32:53
1.3E7
6.3E6
0.0E0
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
29:13
29:36
30:17
30:46
31:10
31:37
32:02
33:01
33:25
5.4E7
2.7E7
0.0E0
100%
50
0
29:00
30:00
31:00
32:00
33:00
Time

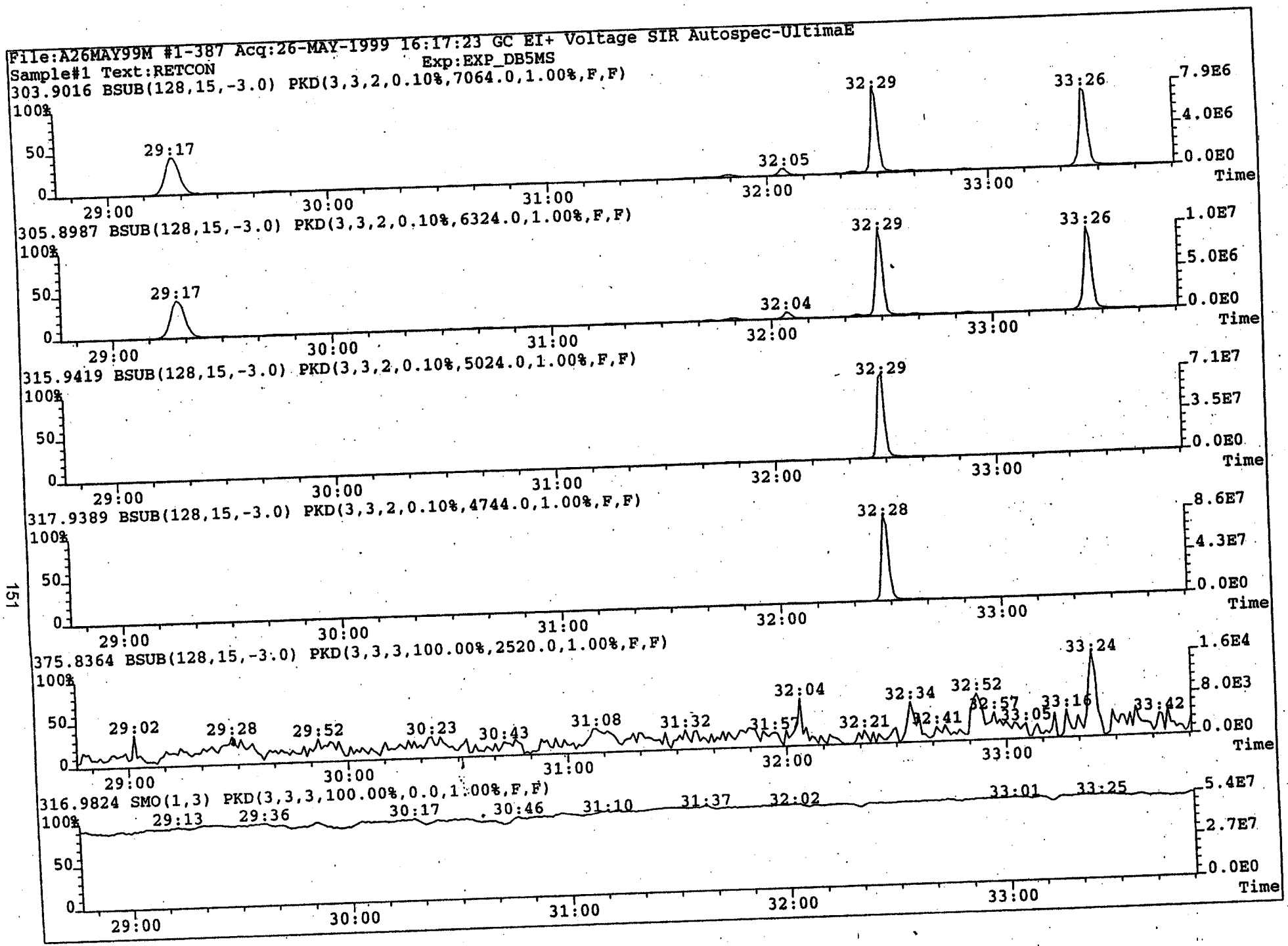

File:A26MAY99M #1-258 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
355.8546 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,12392.0,1.00%,F,F)
34:18
35:47
36:05
2.6E7
1.3E7
0.0E0
357.8517 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,14328.0,1.00%,F,F)
1.6E7
8.0E6
367.8949 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7812.0,1.00%,F,F)
5.0E7
2.5E7
369.8919 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4324.0,1.00%,F,F)
3.0E7
1.5E7
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0,0,1.00%,F,F)
34:05 34:14 34:24 34:36 34:47 34:57 35:09 35:17 35:27 35:37 35:53 36:23
4.9E7
2.4E7
100%
50
0
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
Time

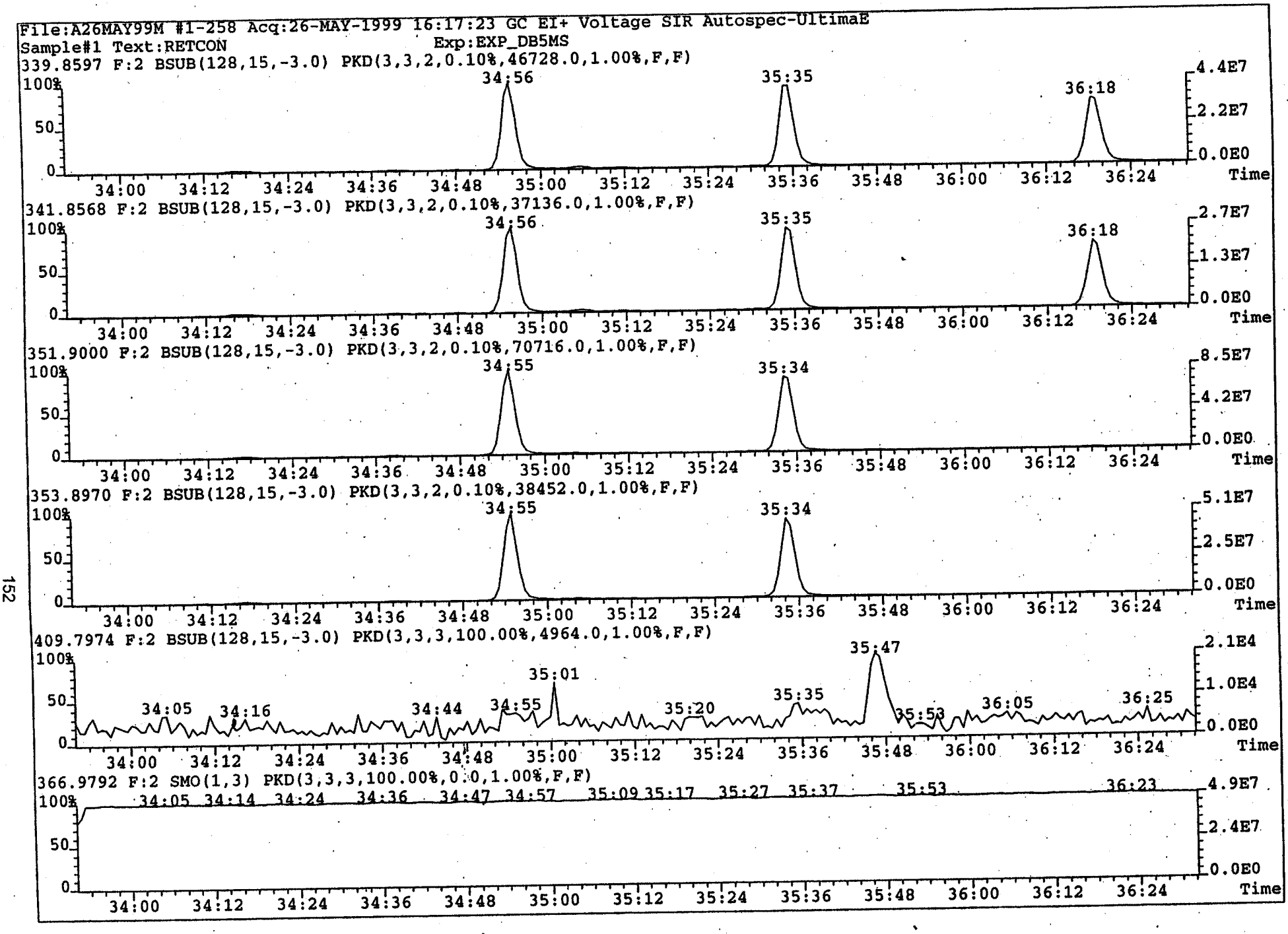

File:A26MAY99M #1-373 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
389.8156 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,14232.0,1.00%,F,F)
391.8127 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,10220.0,1.00%,F,F)
401.8559 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6352.0,1.00%,F,F)
403.8530 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5848.0,1.00%,F,F)
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:19
38:45
38:51
39:08
38:50
37:22
37:43
38:17
38:35
38:53
39:11
39:26
39:45
40:07
1.9E7
9.5E6
0.0E0
1.7E7
8.6E6
3.1E7
1.6E7
2.6E7
1.3E7
1.2E8
5.8E7
Time
100%
50
0
37:00
38:00
39:00
40:00

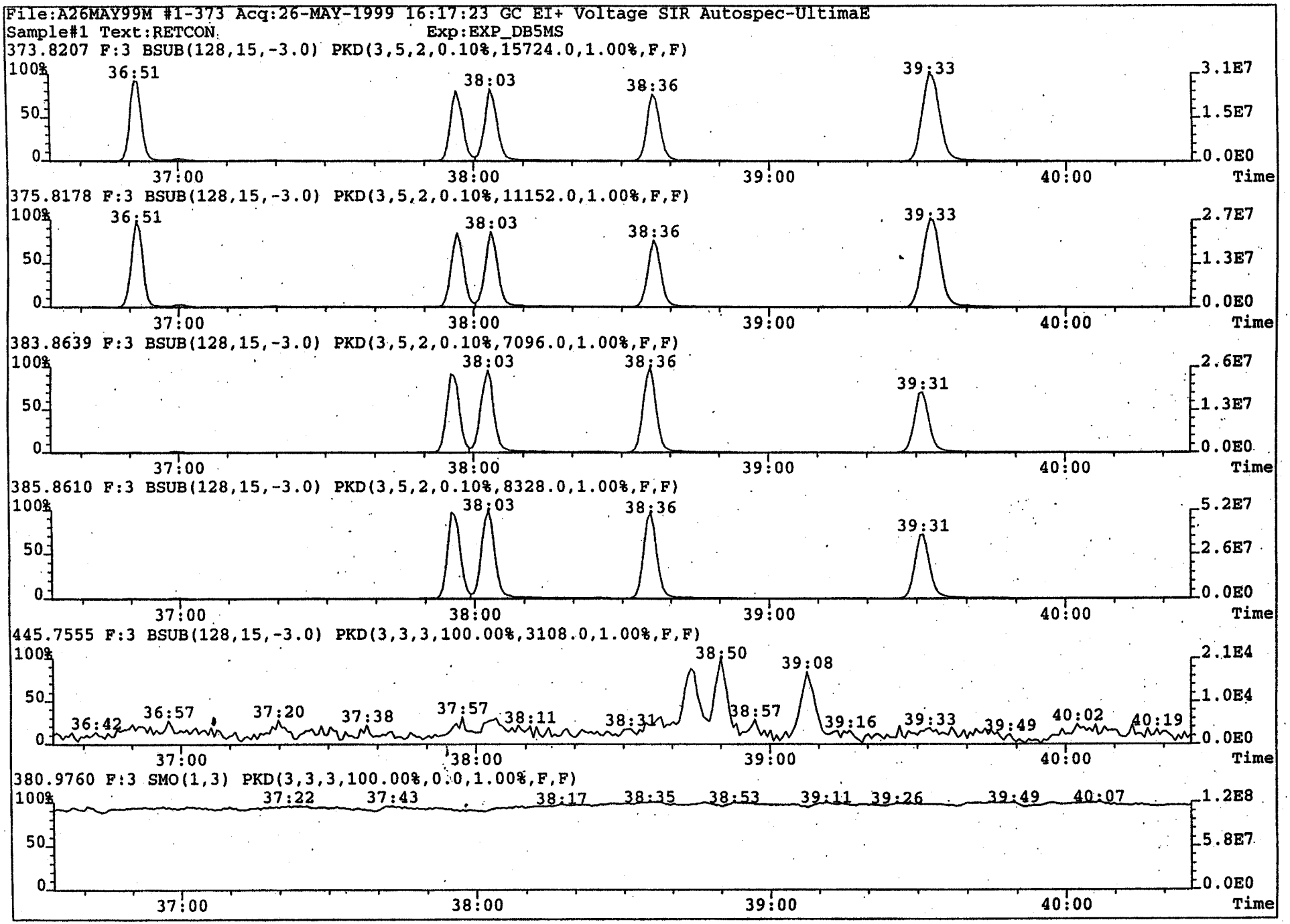

File:A26MAY99M #1-471 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
457.7377 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,7048.0,1.00%,F,F)
47:53
1.1E7
5.5E6
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time
459.7348 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5612.0,1.00%,F,F)
47:53
1.2E7
6.2E6
0.0E0
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3788.0,1.00%,F,F)
47:52
2.1E7
1.0E7
0.0E0
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3460.0,1.00%,F,F)
47:52
2.3E7
1.2E7
0.0E0
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0,0,1.00%,F,F)
45:08
45:36
45:49
46:07
46:25
46:44
46:57
47:24
47:42
47:58
48:14
48:42
8.1E7
4.0E7
0.0E0

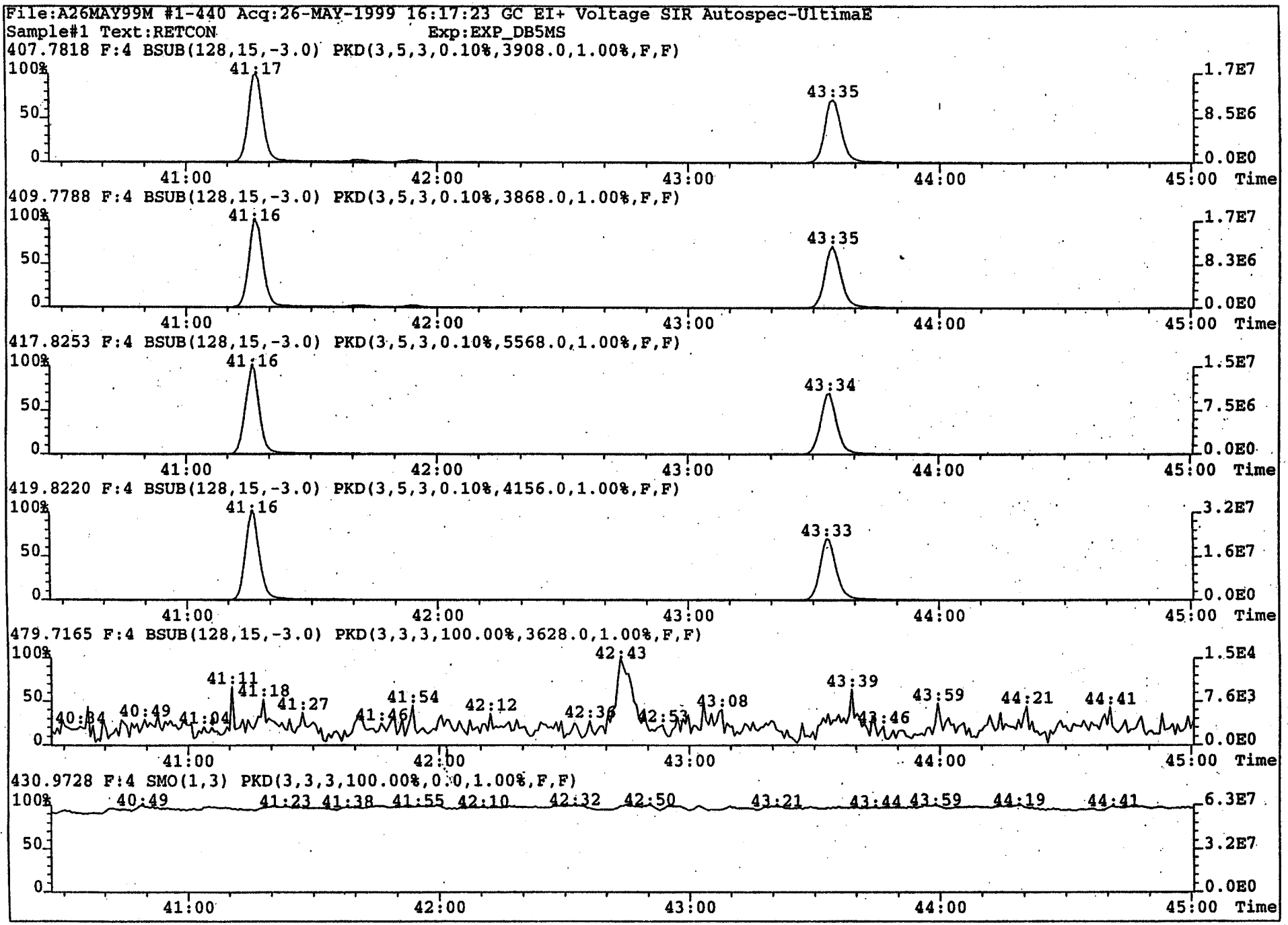

File:A26MAY99M #1-440 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
423.7767 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4804.0,1.00%,F,F)
41:39
42:45
1.2E7
5.9E6
0.0E0
425.7737 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6064.0,1.00%,F,F)
41:39
42:45
1.2E7
5.8E6
0.0E0
435.8169 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,7904.0,1.00%,F,F)
42:44
2.0E7
1.0E7
0.0E0
437.8140 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5828.0,1.00%,F,F)
42:44
41:38
1.9E7
9.5E6
0.0E0
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0,0,1.00%,F,F)
40:49
41:20
41:38
41:55
42:14
42:32
42:50
43:21
43:44
43:59
44:19
44:41
6.3E7
3.2E7
0.0E0
100%
50
0
41:00
42:00
43:00
44:00
45:00
Time

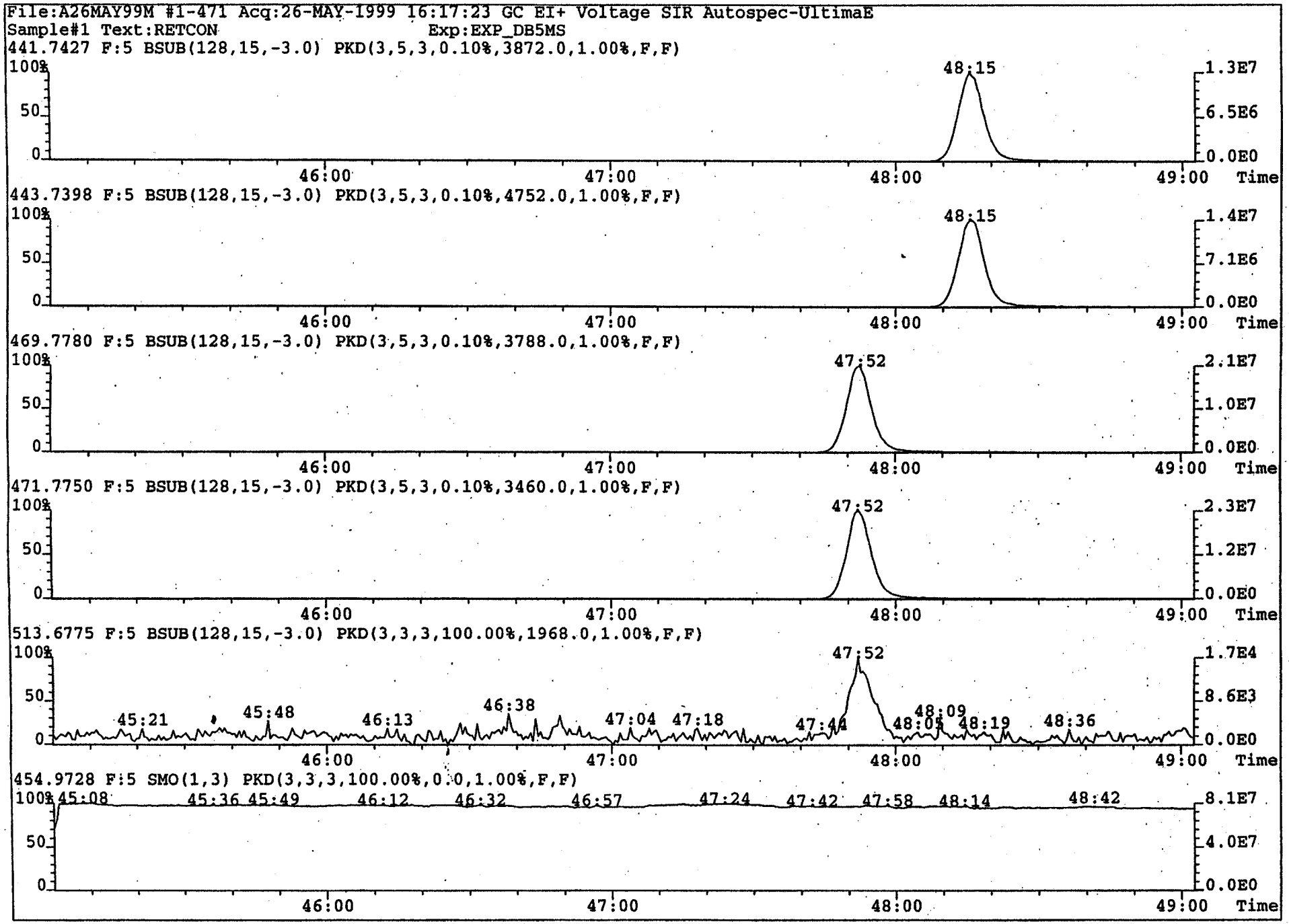
150


File:A26MAY99M #1-387 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
303.9016 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7064.0,1.00%,F,F)
29:17
32:05
32:29
33:26
7.9E6
4.0E6
0.0E0
Time
305.8987 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6324.0,1.00%,F,F)
29:17
32:04
32:29
33:26
1.0E7
5.0E6
0.0E0
Time
315.9419 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5024.0,1.00%,F,F)
32:29
7.1E7
3.5E7
0.0E0
Time
317.9389 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4744.0,1.00%,F,F)
32:28
8.6E7
4.3E7
0.0E0
Time
375.8364 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2520.0,1.00%,F,F)
29:02
29:28
29:52
30:23
30:43
31:08
31:32
31:57
32:04
32:21
32:34
32:41
32:52
32:57
33:05
33:16
33:24
33:42
1.6E4
8.0E3
0.0E0
Time
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
29:13
29:36
30:17
30:46
31:10
31:37
32:02
33:01
33:25
5.4E7
2.7E7
0.0E0
Time
100%
50
0
29:00
30:00
31:00
32:00
33:00


File:A26MAY99M #1-258 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
339.8597 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,46728.0,1.00%,F,F)
34:56
35:35
36:18
4.4E7
2.2E7
0.0E0
341.8568 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,37136.0,1.00%,F,F)
34:56
35:35
36:18
2.7E7
1.3E7
0.0E0
351.9000 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,70716.0,1.00%,F,F)
34:55
35:34
8.5E7
4.2E7
0.0E0
353.8970 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,38452.0,1.00%,F,F)
34:55
35:34
5.1E7
2.5E7
0.0E0
409.7974 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4964.0,1.00%,F,F)
34:05
34:16
34:44
34:55
35:01
35:20
35:35
35:47
35:53
36:05
36:25
2.1E4
1.0E4
0.0E0
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:05
34:14
34:24
34:36
34:47
34:57
35:09
35:17
35:27
35:37
35:53
36:23
4.9E7
2.4E7
0.0E0
100%
50
0
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
Time


File:A26MAY99M #1-373 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
373.8207 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,15724.0,1.00%,F,F)
36:51
38:03
38:36
39:33
3.1E7
1.5E7
0.0E0
375.8178 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,11152.0,1.00%,F,F)
36:51
38:03
38:36
39:33
2.7E7
1.3E7
0.0E0
383.8639 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,7096.0,1.00%,F,F)
38:03
38:36
39:31
2.6E7
1.3E7
0.0E0
385.8610 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8328.0,1.00%,F,F)
38:03
38:36
39:31
5.2E7
2.6E7
0.0E0
445.7555 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3108.0,1.00%,F,F)
36:42
36:57
37:20
37:38
37:57
38:11
38:31
38:50
38:57
39:08
39:16
39:33
39:49
40:02
40:19
2.1E4
1.0E4
0.0E0
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:22
37:43
38:17
38:35
38:53
39:11
39:26
39:49
40:07
1.2E8
5.8E7
0.0E0
100%
50
0
37:00
38:00
39:00
40:00
Time

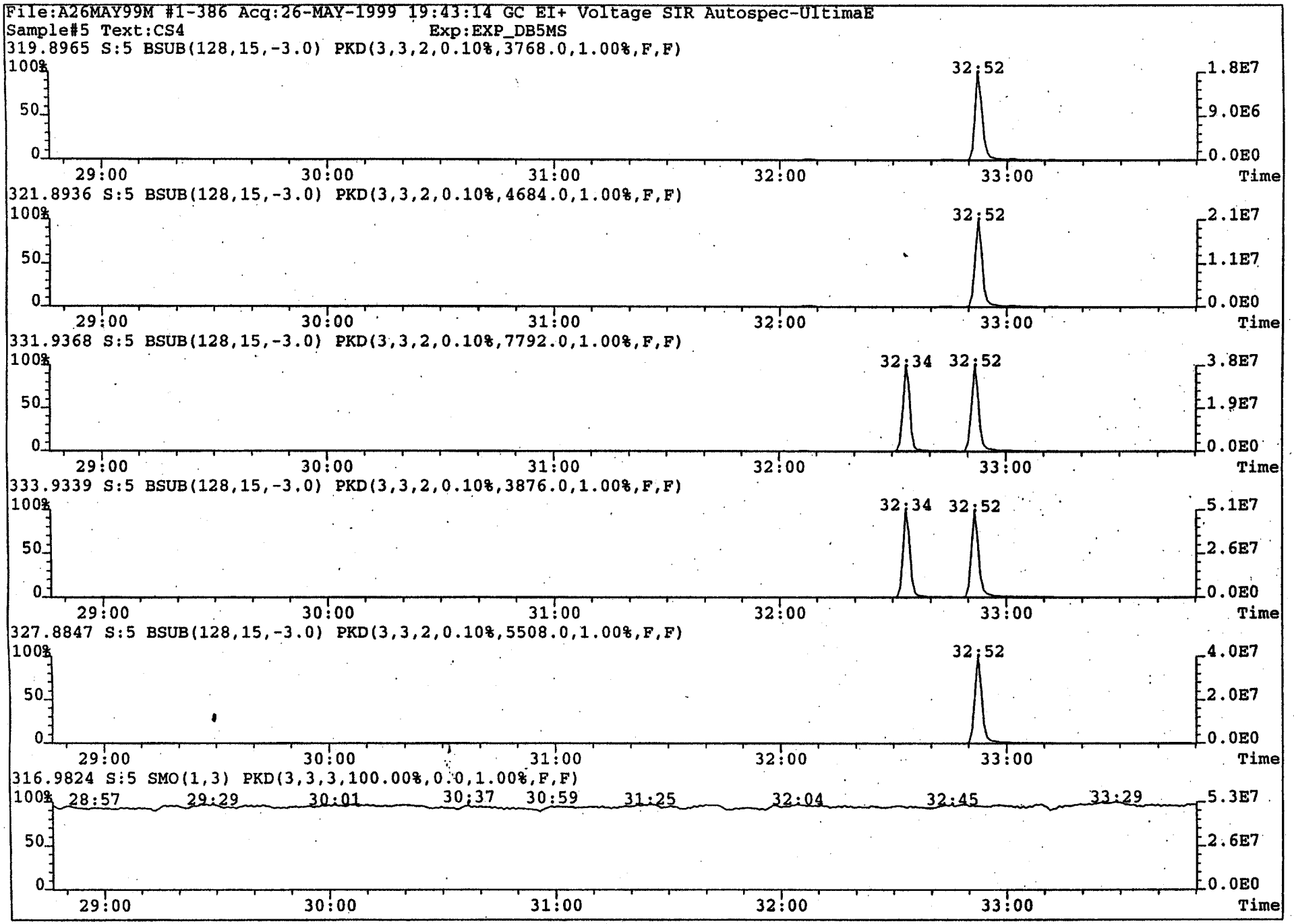

File:A26MAY99M #1-440 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
407.7818 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3908.0,1.00%,F,F)
41:17
43:35
1.7E7
8.5E6
0.0E0
409.7788 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3868.0,1.00%,F,F)
41:16
43:35
1.7E7
8.3E6
0.0E0
417.8253 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5568.0,1.00%,F,F)
41:16
43:34
1.5E7
7.5E6
0.0E0
419.8220 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4156.0,1.00%,F,F)
41:16
43:33
3.2E7
1.6E7
0.0E0
479.7165 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3628.0,1.00%,F,F)
42:43
41:11
41:18
41:27
41:54
42:12
43:39
43:59
44:21
44:41
1.5E4
7.6E3
0.0E0
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
40:49
41:23 41:38 41:55 42:10 42:32 42:50 43:21 43:44 43:59 44:19 44:41
6.3E7
3.2E7
0.0E0
100%
50
0
41:00
42:00
43:00
44:00
45:00
Time

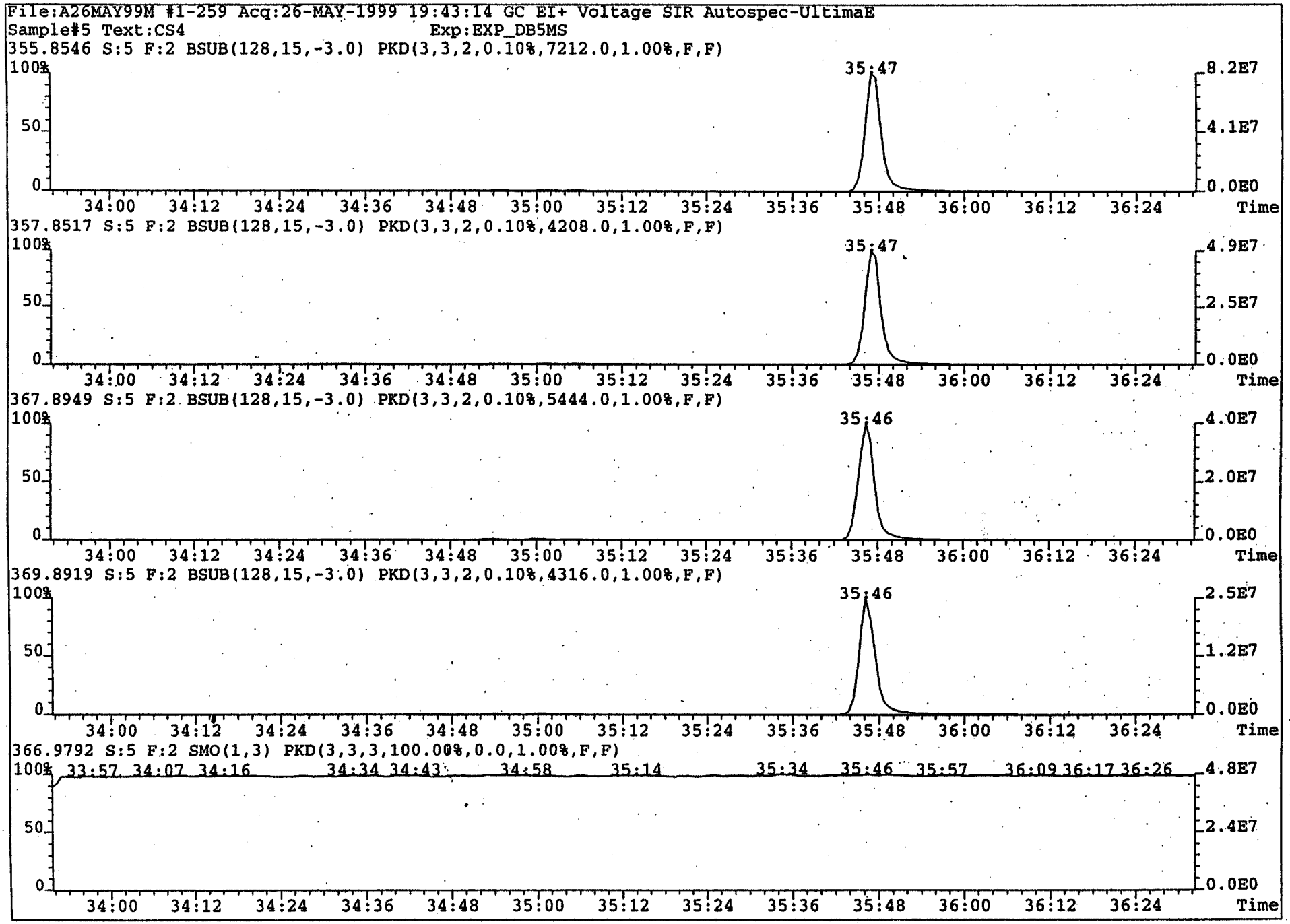

File:A26MAY99M #1-471 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
441.7427 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3872.0,1.00%,F,F)
48:15
1.3E7
6.5E6
0.0E0
443.7398 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4752.0,1.00%,F,F)
48:15
1.4E7
7.1E6
0.0E0
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3788.0,1.00%,F,F)
47:52
2.1E7
1.0E7
0.0E0
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3460.0,1.00%,F,F)
47:52
2.3E7
1.2E7
0.0E0
513.6775 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,1968.0,1.00%,F,F)
47:52
45:21
45:48
46:13
46:38
47:04
47:18
47:44
48:09
48:19
48:36
1.7E4
8.6E3
0.0E0
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:08
45:36
45:49
46:12
46:32
46:57
47:24
47:42
47:58
48:14
48:42
8.1E7
4.0E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time

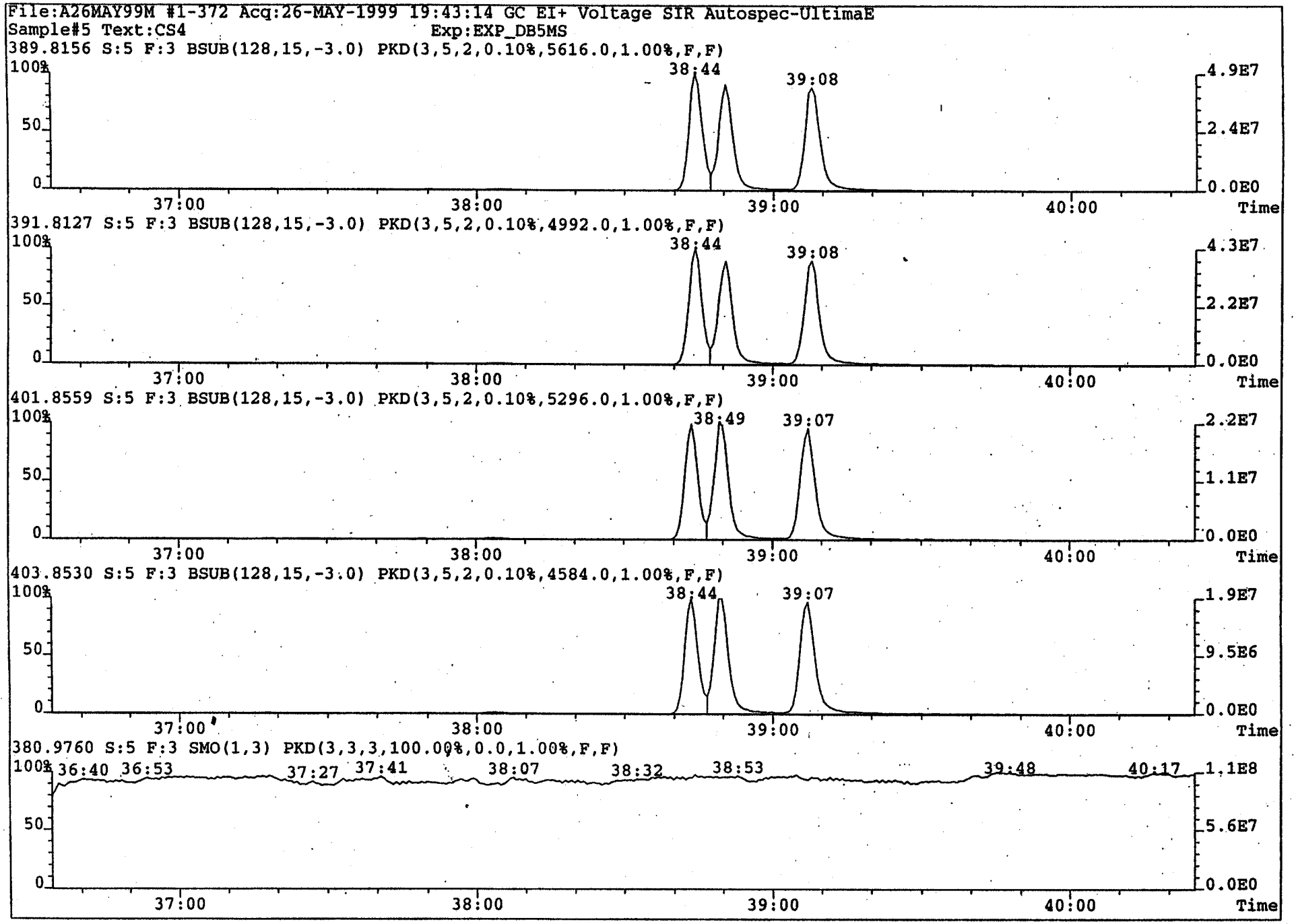
Run #4 Filename a26may99m S: 5 I: 1 Acquired: 26-MAY-99 19:43:14 Processed: 9-JUN-99 10:38:06
Run: Analyte: Cal: Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS4 Comments:

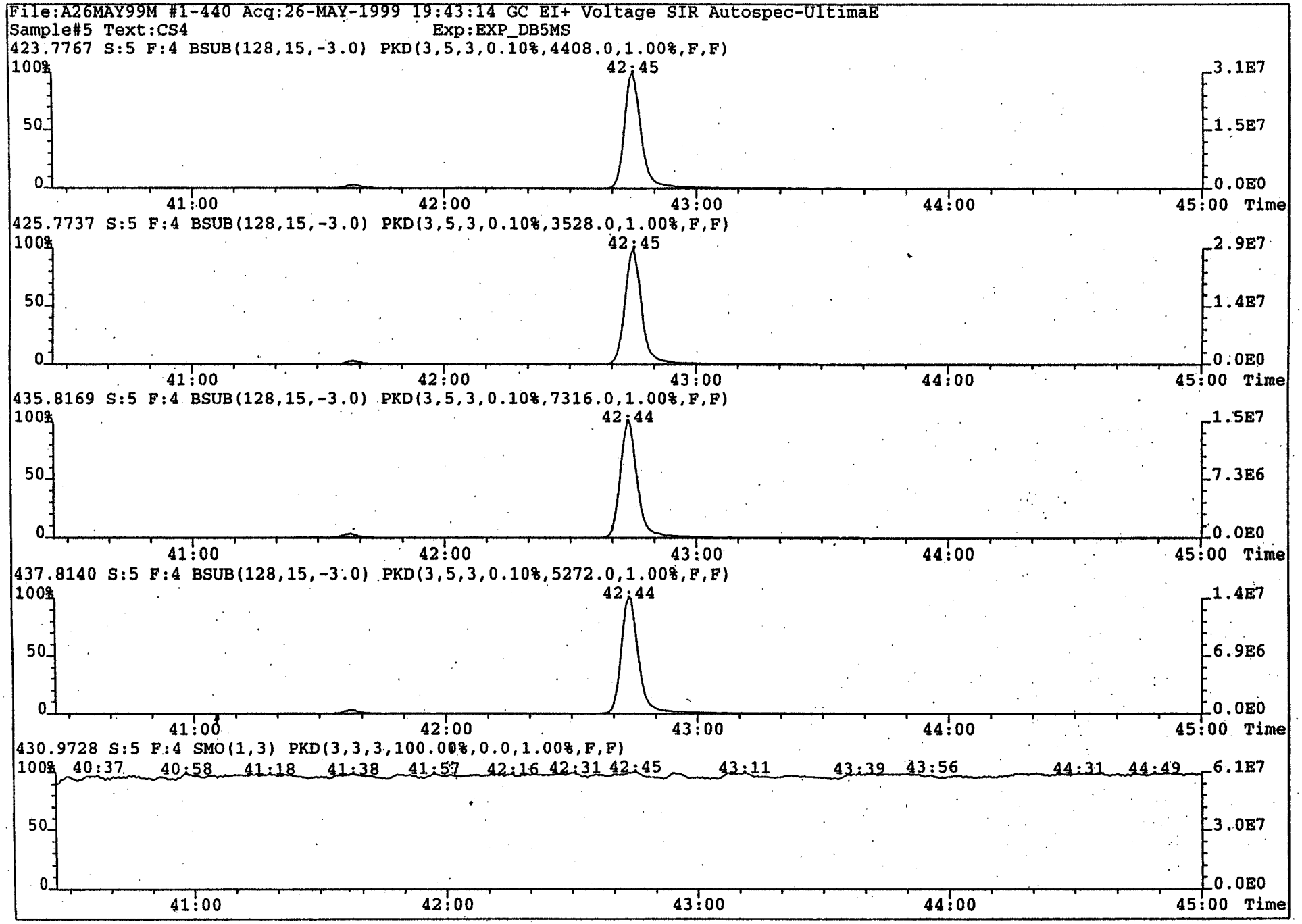
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?	
1	Unk	2,3,7,8-TCDD	40.00	8.65e+07	0.84	y	32:52	-	1.11	y	n	
2	Unk	1,2,3,7,8-PeCDD	200.00	3.38e+08	1.67	y	35:47	-	1.02	y	n	
3	Unk	1,2,3,4,7,8-HxCDD	200.00	2.78e+08	1.13	y	38:44	-	1.11	y	n	
4	Unk	1,2,3,6,7,8-HxCDD	200.00	2.79e+08	1.14	y	38:50	-	0.99	y	n	
5	Unk	1,2,3,7,8,9-HxCDD	200.00	2.96e+08	1.12	y	39:08	-	1.11	y	n	
6	Unk	1,2,3,4,6,7,8-HpCDD	200.00	2.63e+08	1.06	y	42:45	-	1.01	y	n	
7	Unk	OCDD	400.00	4.31e+08	0.89	y	47:53	-	1.09	y	n	
8	Unk	2,3,7,8-TCDF	40.00	1.26e+08	0.83	y	32:29	-	1.14	y	n	
9	Unk	1,2,3,7,8-PeCDF	200.00	5.44e+08	1.60	y	34:55	-	1.06	y	n	
10	Unk	2,3,4,7,8-PeCDF	200.00	5.50e+08	1.58	y	35:34	-	1.13	y	n	
11	Unk	1,2,3,4,7,8-HxCDF	200.00	4.45e+08	1.11	y	37:56	-	1.24	y	n	
12	Unk	1,2,3,6,7,8-HxCDF	200.00	4.66e+08	1.11	y	38:03	-	1.18	y	n	
13	Unk	2,3,4,6,7,8-HxCDF	200.00	4.24e+08	1.13	y	38:36	-	1.15	y	n	
14	Unk	1,2,3,7,8,9-HxCDF	200.00	3.74e+08	1.11	y	39:32	-	1.27	y	n	
15	Unk	1,2,3,4,6,7,8-HpCDF	200.00	4.32e+08	1.05	y	41:16	-	1.49	y	n	
16	Unk	1,2,3,4,7,8,9-HpCDF	200.00	3.42e+08	1.04	y	43:34	-	1.46	y	n	
17	Unk	OCDF	400.00	5.33e+08	0.88	y	48:15	-	1.34	y	n	
18	ES/RT	13C-2,3,7,8-TCDD	100.00	1.94e+08	0.74	y	32:52	-	1.05	y	n	
19	ES	13C-1,2,3,7,8-PeCDD	100.00	1.66e+08	1.64	y	35:46	-	0.90	y	n	
20	ES	13C-1,2,3,4,7,8-HxCDD	100.00	1.25e+08	1.16	y	38:44	-	0.87	y	n	
21	ES	13C-1,2,3,6,7,8-HxCDD	100.00	1.41e+08	1.18	y	38:49	-	0.98	y	n	
22	ES	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.30e+08	1.04	y	42:44	-	0.90	y	n	
23	ES	13C-OCDD	200.00	1.98e+08	0.87	y	47:52	-	0.69	y	n	
24	ES/RT	13C-2,3,7,8-TCDF	100.00	2.76e+08	0.88	y	32:29	-	1.50	y	n	
25	ES	13C-1,2,3,7,8-PeCDF	100.00	2.57e+08	1.70	y	34:55	-	1.40	y	n	
26	ES	13C-2,3,4,7,8-PeCDF	100.00	2.43e+08	1.71	y	35:34	-	1.32	y	n	
27	ES	13C-1,2,3,4,7,8-HxCDF	100.00	1.79e+08	0.47	y	37:56	-	1.24	y	n	
28	ES	13C-1,2,3,6,7,8-HxCDF	100.00	1.97e+08	0.48	y	38:02	-	1.37	y	n	
29	ES	13C-2,3,4,6,7,8-HxCDF	100.00	1.85e+08	0.48	y	38:35	-	1.28	y	n	
30	ES	13C-1,2,3,7,8,9-HxCDF	100.00	1.47e+08	0.47	y	39:31	-	1.02	y	n	
31	ES	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.45e+08	0.46	y	41:15	-	1.01	y	n	
32	ES	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.17e+08	0.46	y	43:33	-	0.81	y	n	
33	JS	13C-1,2,3,4-TCDD	100.00	1.84e+08	0.74	y	32:34	1.84e+06	-	n	n	
34	JS	13C-1,2,3,7,8,9-HxCDD	100.00	1.44e+08	1.15	y	39:07	1.44e+06	-	n	n	
35	CS	37Cl-2,3,7,8-TCDD	40.00	8.73e+07			32:52	-	1.19	y	n	
36	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.14	y	n	
37	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.11	y	n	
38	Tot	Total Penta-Furans Fn1	0.00	-	-	n	-	-	1.09	y	n	
39	Tot	Total Penta-Furans Fn2	0.00	-	-	n	-	-	1.09	y	n	
40	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	1.02	y	n	
41	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	1.21	y	n	

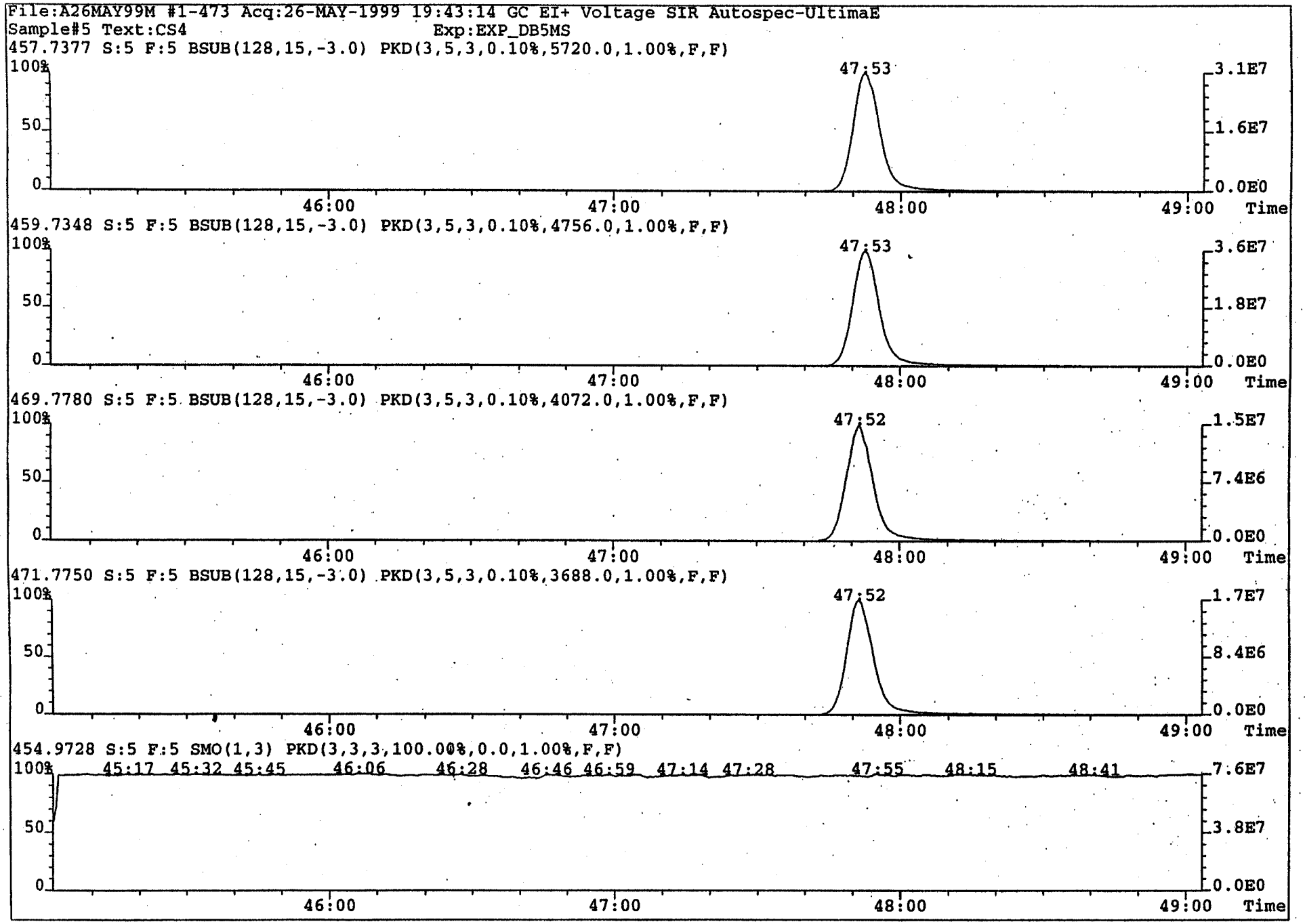
$RRF = \frac{4.66 \times 10^{8} + 1.97 \times 10^{8}}{200} = 1.18$ OK

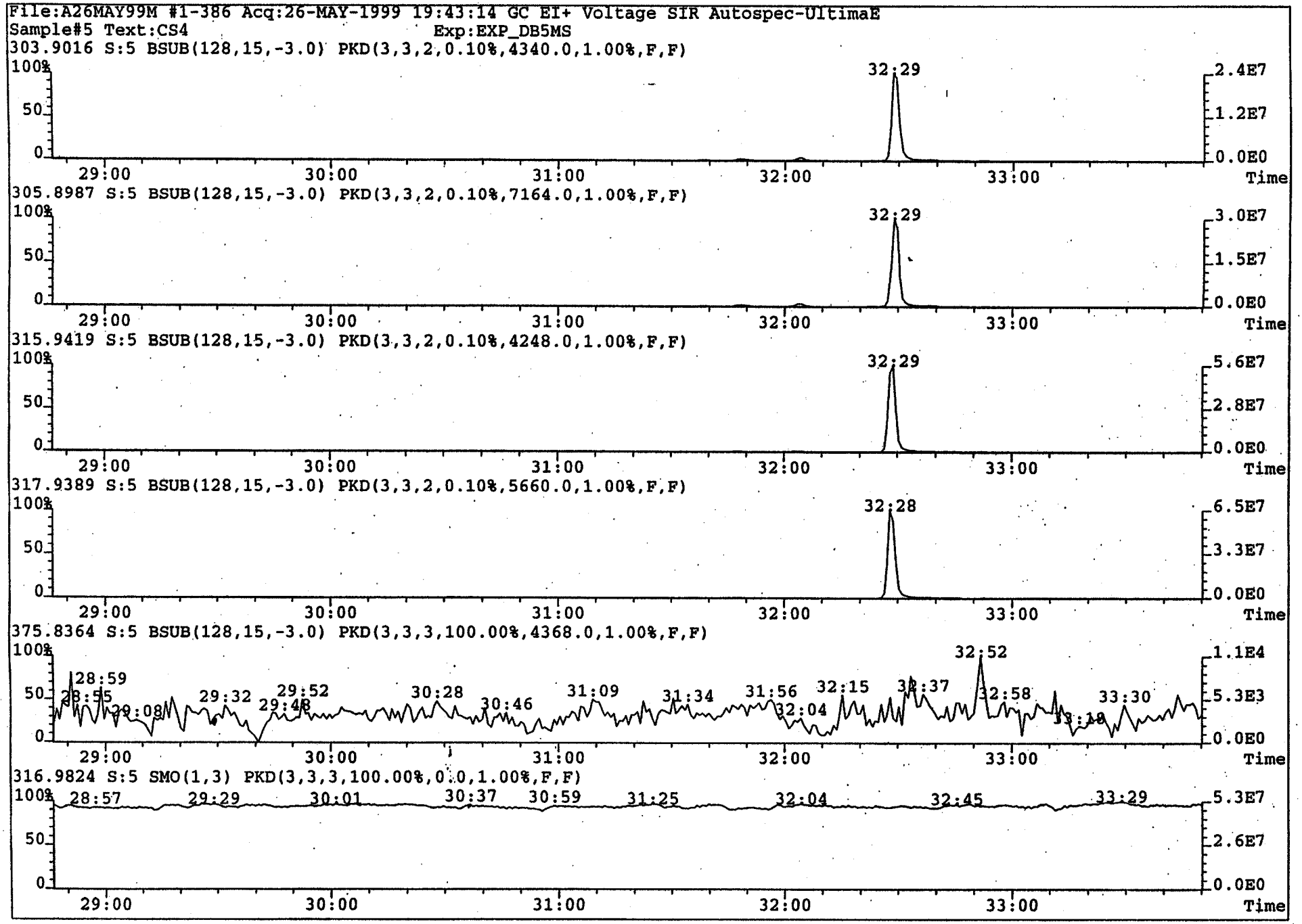

File:A26MAY99M #1-386 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
319.8965 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3768.0,1.00%,F,F)
32:52
1.8E7
9.0E6
0.0E0
321.8936 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4684.0,1.00%,F,F)
32:52
2.1E7
1.1E7
0.0E0
331.9368 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7792.0,1.00%,F,F)
32:34
32:52
3.8E7
1.9E7
0.0E0
333.9339 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3876.0,1.00%,F,F)
32:34
32:52
5.1E7
2.6E7
0.0E0
327.8847 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5508.0,1.00%,F,F)
32:52
4.0E7
2.0E7
0.0E0
316.9824 S:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
28:57
29:29
30:01
30:37
30:59
31:25
32:04
32:45
33:29
5.3E7
2.6E7
0.0E0
100%
50
0
29:00
30:00
31:00
32:00
33:00
Time

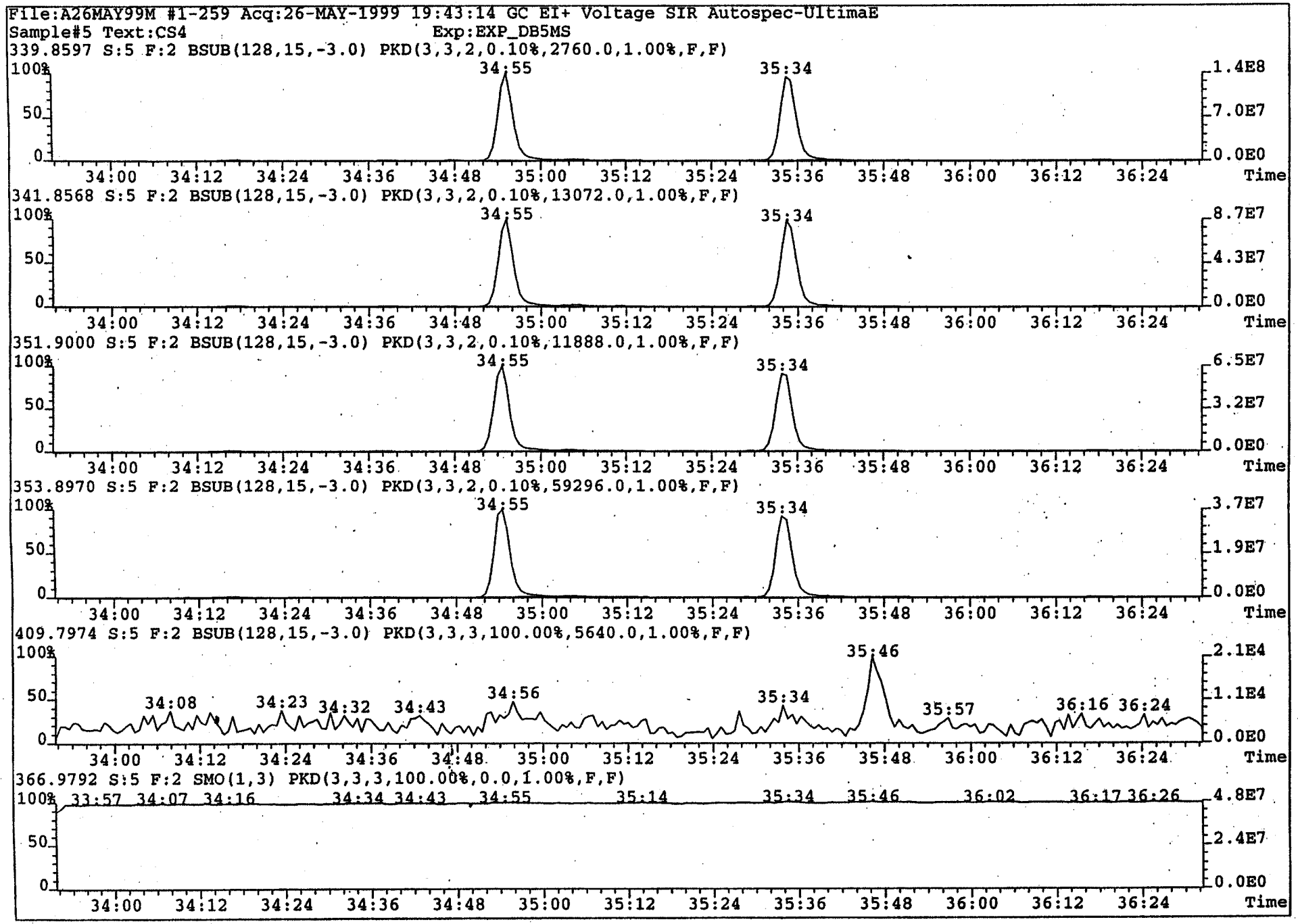

File:A26MAY99M #1-259 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
355.8546 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7212.0,1.00%,F,F)
35:47
8.2E7
4.1E7
0.0E0
357.8517 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4208.0,1.00%,F,F)
35:47
4.9E7
2.5E7
0.0E0
367.8949 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5444.0,1.00%,F,F)
35:46
4.0E7
2.0E7
0.0E0
369.8919 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4316.0,1.00%,F,F)
35:46
2.5E7
1.2E7
0.0E0
366.9792 S:5 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
33:57 34:07 34:16 34:34 34:43 34:58 35:14 35:34 35:46 35:57 36:09 36:17 36:26
4.8E7
2.4E7
0.0E0
100%
50
0
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
Time

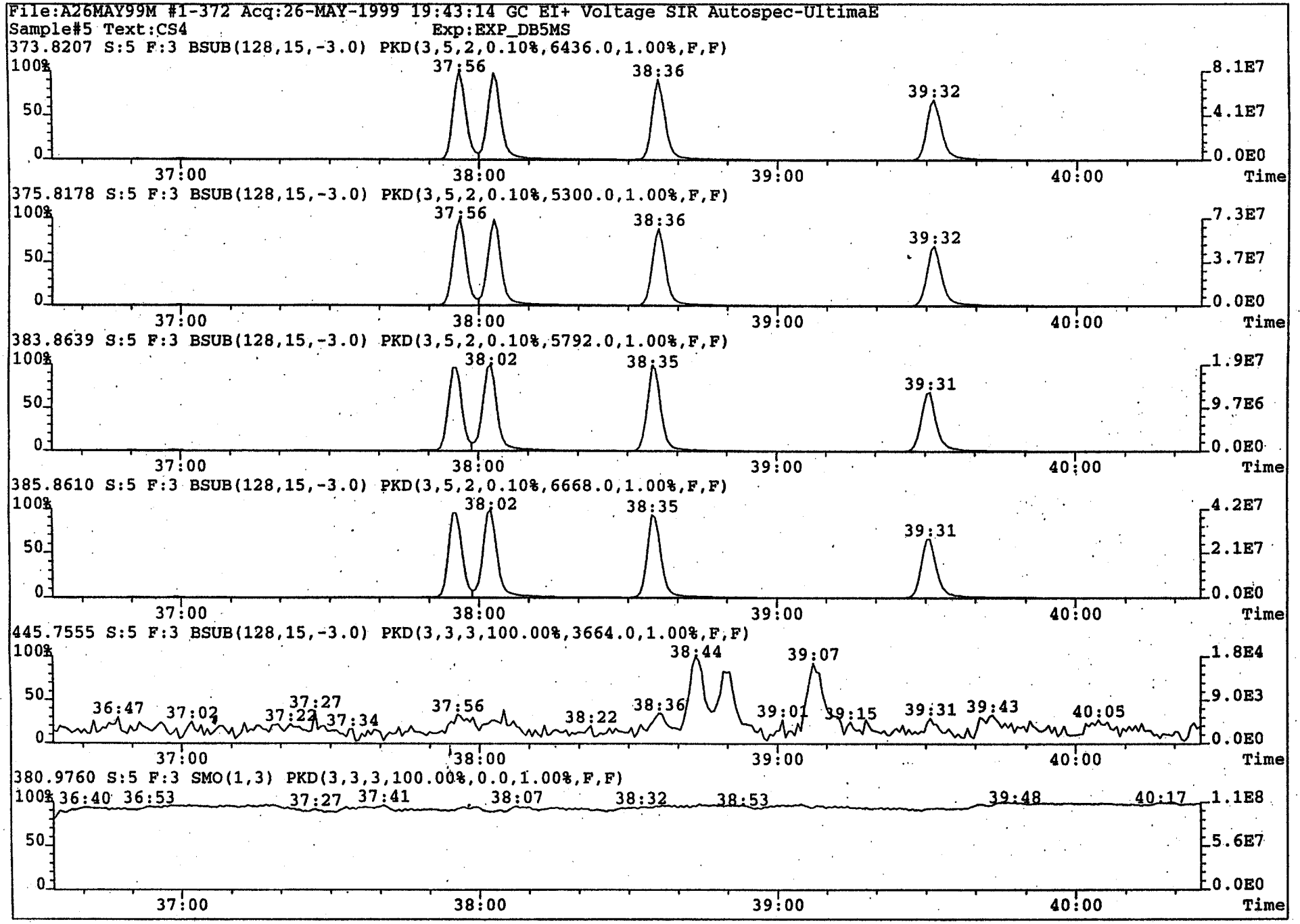

File:A26MAY99M #1-372 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
389.8156 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5616.0,1.00%,F,F)
100%
50
0
38:44
39:08
4.9E7
2.4E7
0.0E0
37:00
38:00
39:00
40:00
Time
391.8127 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4992.0,1.00%,F,F)
100%
50
0
38:44
39:08
4.3E7
2.2E7
0.0E0
37:00
38:00
39:00
40:00
Time
401.8559 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5296.0,1.00%,F,F)
100%
50
0
38:49
39:07
2.2E7
1.1E7
0.0E0
37:00
38:00
39:00
40:00
Time
403.8530 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4584.0,1.00%,F,F)
100%
50
0
38:44
39:07
1.9E7
9.5E6
0.0E0
37:00
38:00
39:00
40:00
Time
380.9760 S:5 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100%
50
0
36:40
36:53
37:27
37:41
38:07
38:32
38:53
39:48
40:17
1.1E8
5.6E7
0.0E0
37:00
38:00
39:00
40:00
Time

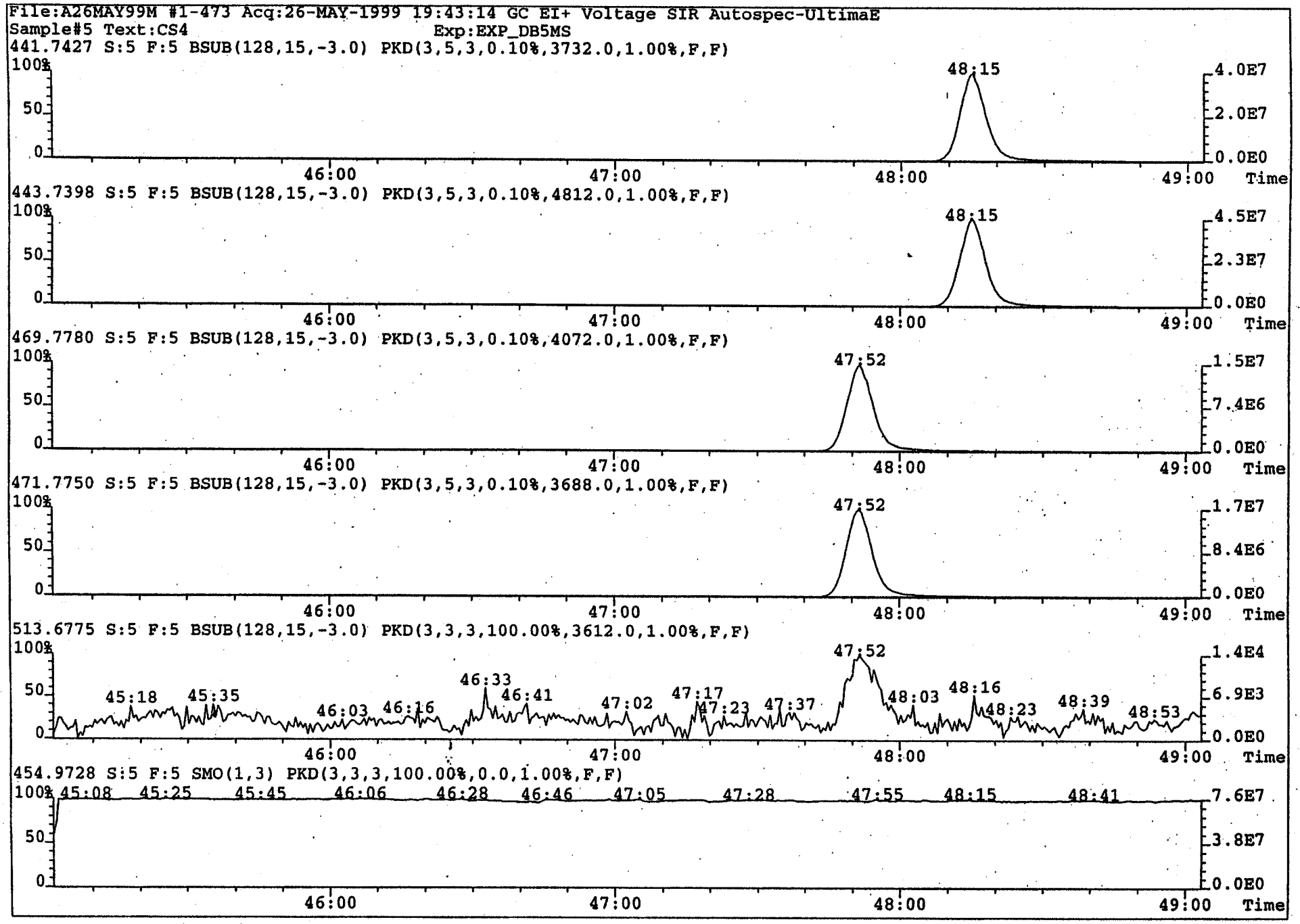

File:A26MAY99M #1-440 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
423.7767 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4408.0,1.00%,F,F)
100% 50 0
42:45
3.1E7 1.5E7 0.0E0
41:00 42:00 43:00 44:00 45:00 Time
425.7737 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3528.0,1.00%,F,F)
100% 50 0
42:45
2.9E7 1.4E7 0.0E0
41:00 42:00 43:00 44:00 45:00 Time
435.8169 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,7316.0,1.00%,F,F)
100% 50 0
42:44
1.5E7 7.3E6 0.0E0
41:00 42:00 43:00 44:00 45:00 Time
437.8140 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5272.0,1.00%,F,F)
100% 50 0
42:44
1.4E7 6.9E6 0.0E0
41:00 42:00 43:00 44:00 45:00 Time
430.9728 S:5 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
100% 50 0
40:37 40:58 41:18 41:38 41:57 42:16 42:31 42:45 43:11 43:39 43:56 44:31 44:49
6.1E7 3.0E7 0.0E0
41:00 42:00 43:00 44:00 45:00 Time

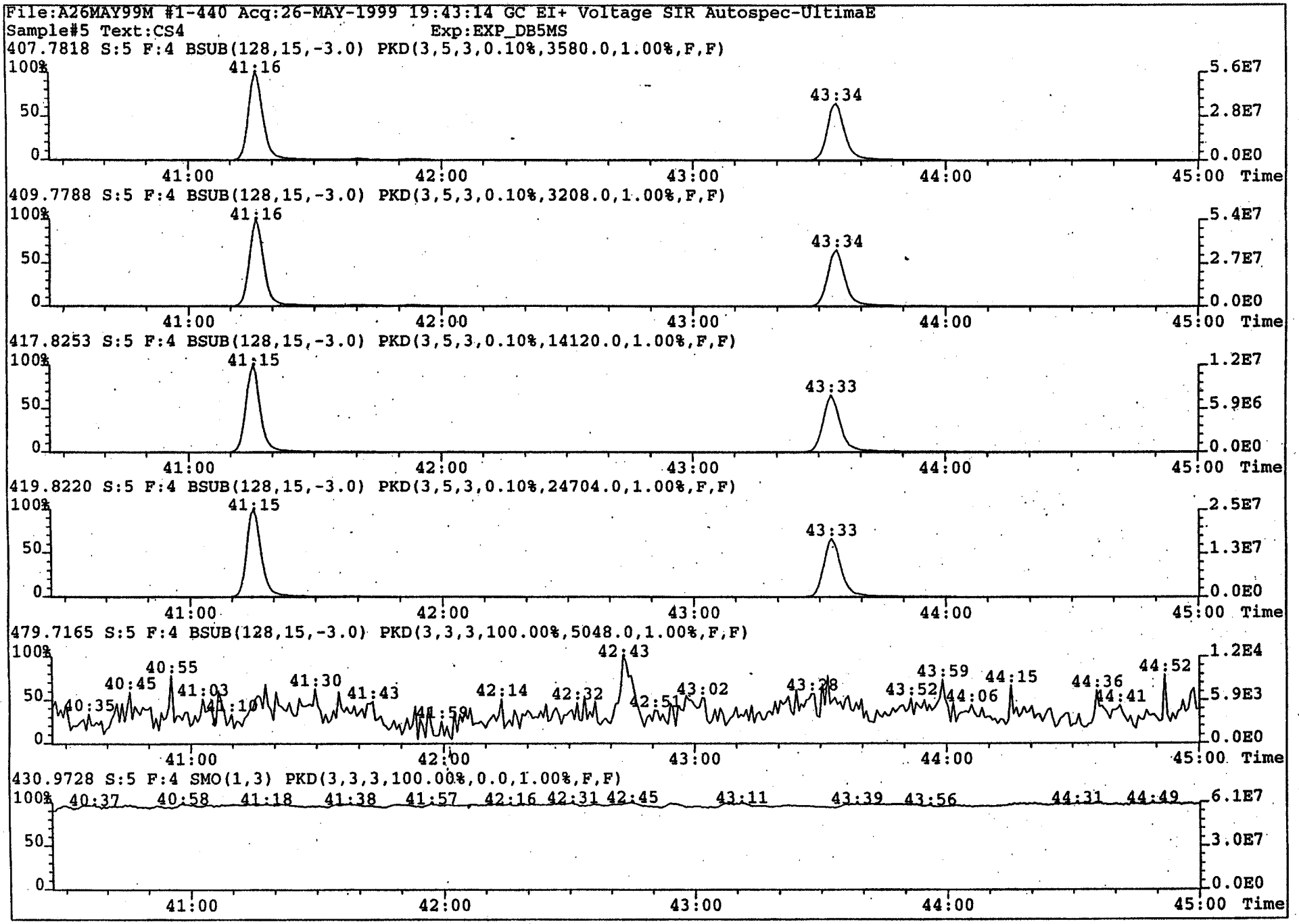

File:A26MAY99M #1-473 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
457.7377 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5720.0,1.00%,F,F)
47:53
459.7348 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4756.0,1.00%,F,F)
47:53
469.7780 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4072.0,1.00%,F,F)
47:52
471.7750 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3688.0,1.00%,F,F)
47:52
454.9728 S:5 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:17 45:32 45:45 46:06 46:28 46:46 46:59 47:14 47:28 47:55 48:15 48:41
100%
50
0
46:00
47:00
48:00
49:00
Time
3.1E7
1.6E7
0.0E0
3.6E7
1.8E7
1.5E7
7.4E6
1.7E7
8.4E6
7.6E7
3.8E7


File:A26MAY99M #1-386 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
303.9016 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4340.0,1.00%,F,F)
32:29
2.4E7
1.2E7
0.0E0
305.8987 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7164.0,1.00%,F,F)
32:29
3.0E7
1.5E7
0.0E0
315.9419 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4248.0,1.00%,F,F)
32:29
5.6E7
2.8E7
0.0E0
317.9389 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5660.0,1.00%,F,F)
32:28
6.5E7
3.3E7
0.0E0
375.8364 S:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4368.0,1.00%,F,F)
28:59
28:55
29:08
29:32
29:48
29:52
30:28
30:46
31:09
31:34
31:56
32:04
32:15
32:37
32:52
32:58
33:18
33:30
1.1E4
5.3E3
0.0E0
316.9824 S:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
28:57
29:29
30:01
30:37
30:59
31:25
32:04
32:45
33:29
5.3E7
2.6E7
0.0E0
29:00
30:00
31:00
32:00
33:00
Time


File:A26MAY99M #1-259 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4
Exp:EXP_DB5MS
339.8597 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2760.0,1.00%,F,F)
341.8568 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,13072.0,1.00%,F,F)
351.9000 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11888.0,1.00%,F,F)
353.8970 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,59296.0,1.00%,F,F)
409.7974 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,5640.0,1.00%,F,F)
366.9792 S:5 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:55
35:34
35:46
34:08
34:23
34:32
34:43
34:56
35:57
36:16
36:24
33:57
34:07
34:16
34:34
34:43
34:55
35:14
35:34
35:46
36:02
36:17
36:26
100%
50
0
1.4E8
7.0E7
0.0E0
8.7E7
4.3E7
6.5E7
3.2E7
3.7E7
1.9E7
2.1E4
1.1E4
4.8E7
2.4E7
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
Time

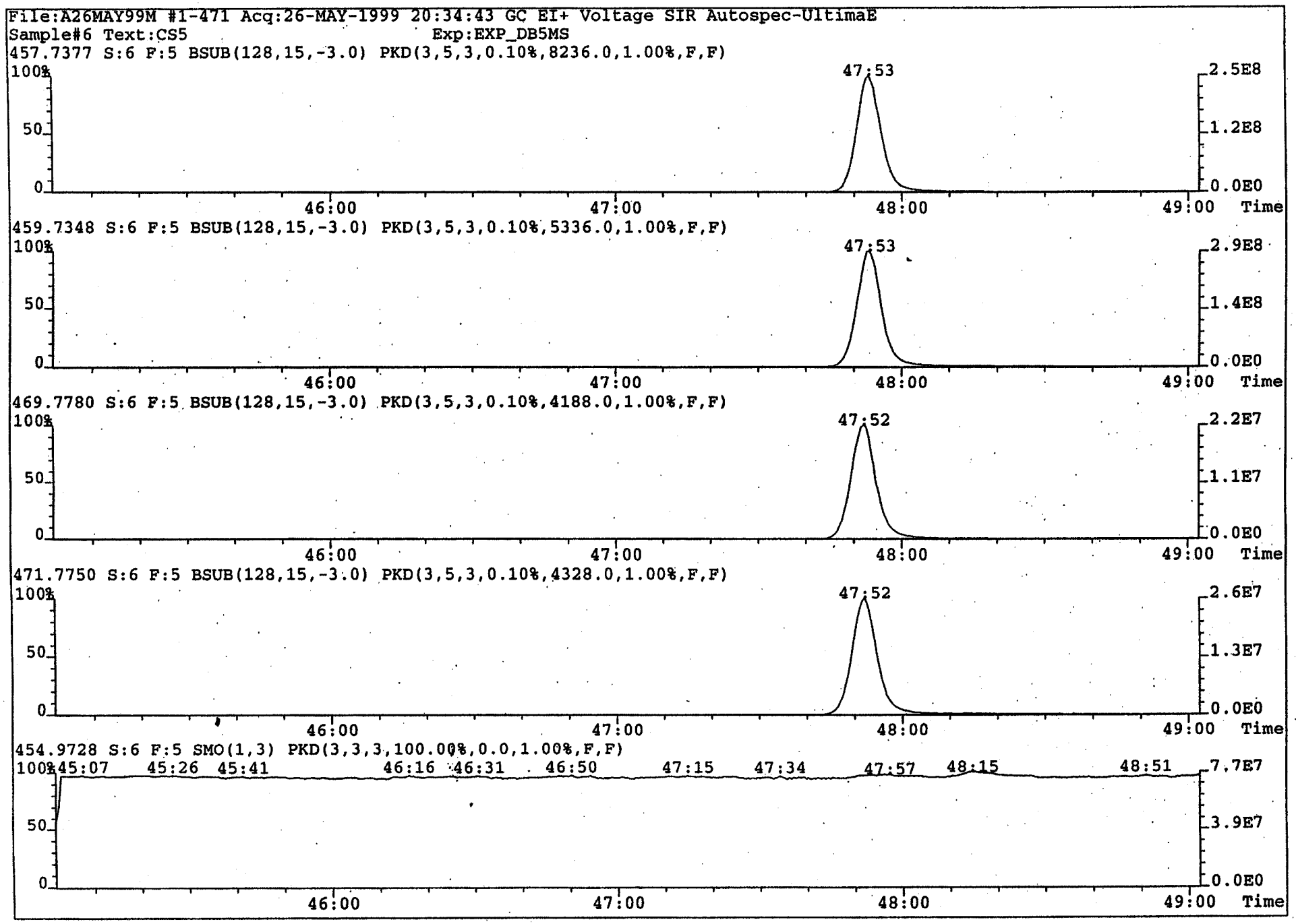

File:A26MAY99M #1-372 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
373.8207 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6436.0,1.00%,F,F)
37:56
38:36
39:32
8.1E7
4.1E7
0.0E0
375.8178 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5300.0,1.00%,F,F)
37:56
38:36
39:32
7.3E7
3.7E7
0.0E0
383.8639 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5792.0,1.00%,F,F)
38:02
38:35
39:31
1.9E7
9.7E6
0.0E0
385.8610 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6668.0,1.00%,F,F)
38:02
38:35
39:31
4.2E7
2.1E7
0.0E0
445.7555 S:5 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3664.0,1.00%,F,F)
38:44
39:07
36:47
37:02
37:27
37:22
37:34
37:56
38:22
38:36
39:01
39:15
39:31
39:43
40:05
1.8E4
9.0E3
0.0E0
380.9760 S:5 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
36:40
36:53
37:27
37:41
38:07
38:32
38:53
39:48
40:17
1.1E8
5.6E7
0.0E0
100%
50
0
37:00
38:00
39:00
40:00
Time

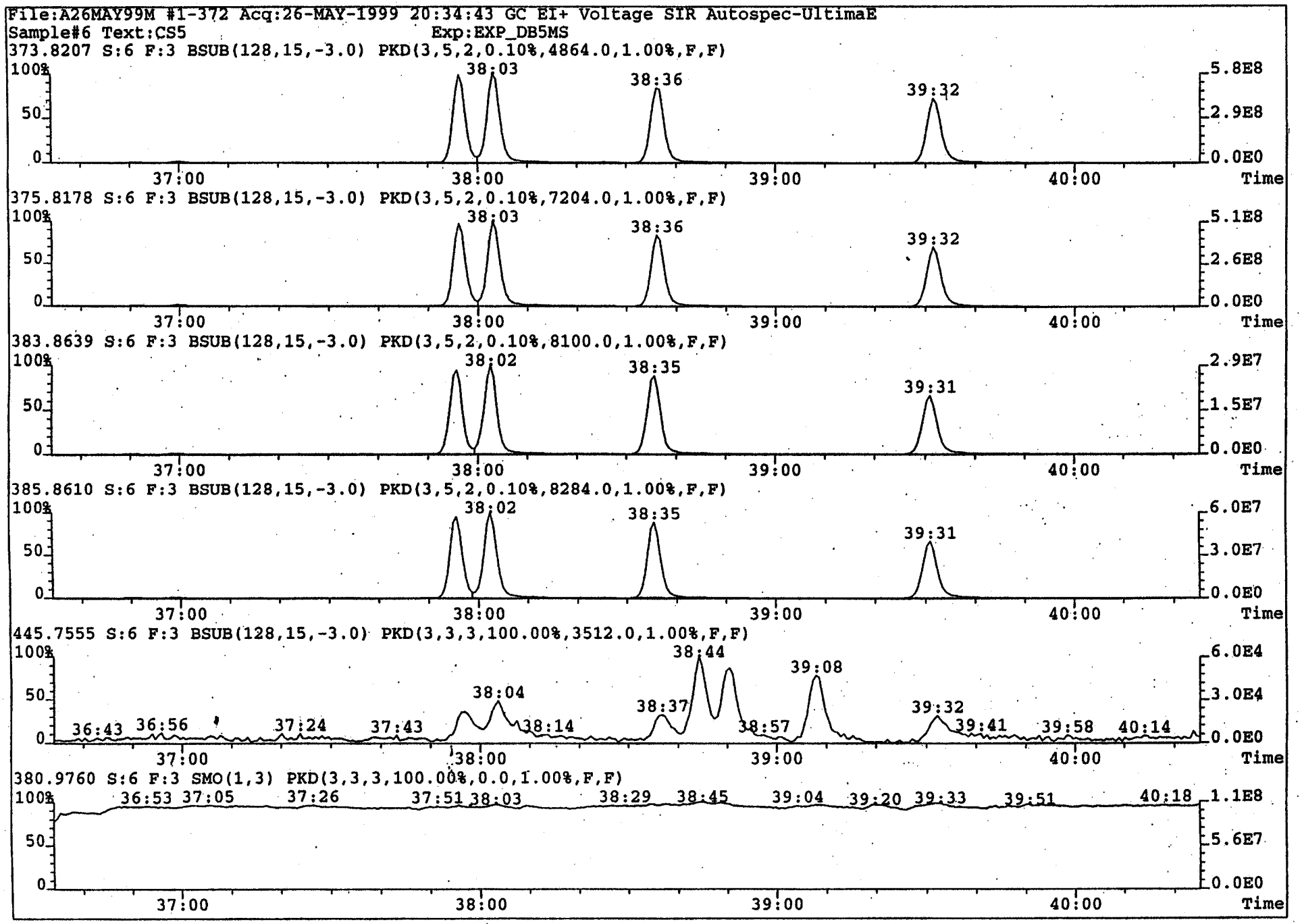

File:A26MAY99M #1-473 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
441.7427 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3732.0,1.00%,F,F)
48:15
4.0E7
2.0E7
0.0E0
443.7398 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4812.0,1.00%,F,F)
48:15
4.5E7
2.3E7
0.0E0
469.7780 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4072.0,1.00%,F,F)
47:52
1.5E7
7.4E6
0.0E0
471.7750 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3688.0,1.00%,F,F)
47:52
1.7E7
8.4E6
0.0E0
513.6775 S:5 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3612.0,1.00%,F,F)
45:18 45:35 46:03 46:16 46:33 46:41 47:02 47:17 47:23 47:37 47:52 48:03 48:16 48:23 48:39 48:53
1.4E4
6.9E3
0.0E0
454.9728 S:5 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:08 45:25 45:45 46:06 46:28 46:46 47:05 47:28 47:55 48:15 48:41
7.6E7
3.8E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time

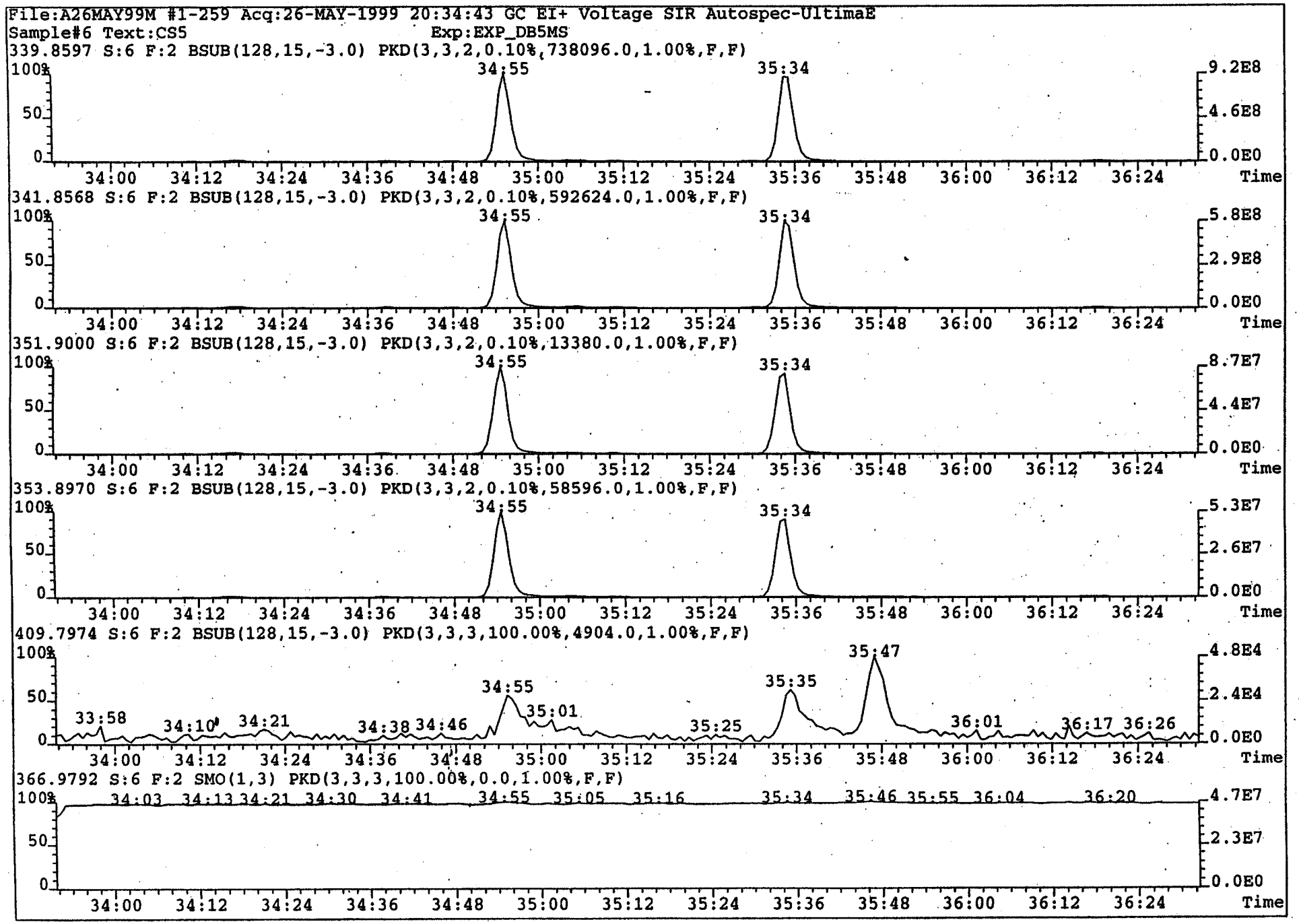

File:A26MAY99M #1-440 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
407.7818 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3580.0,1.00%,F,F)
41:16
43:34
5.6E7
2.8E7
0.0E0
409.7788 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3208.0,1.00%,F,F)
41:16
43:34
5.4E7
2.7E7
0.0E0
417.8253 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,14120.0,1.00%,F,F)
41:15
43:33
1.2E7
5.9E6
0.0E0
419.8220 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,24704.0,1.00%,F,F)
41:15
43:33
2.5E7
1.3E7
0.0E0
479.7165 S:5 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,5048.0,1.00%,F,F)
42:43
1.2E4
5.9E3
0.0E0
430.9728 S:5 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
6.1E7
3.0E7
0.0E0
100%
50
0
41:00
42:00
43:00
44:00
45:00
Time

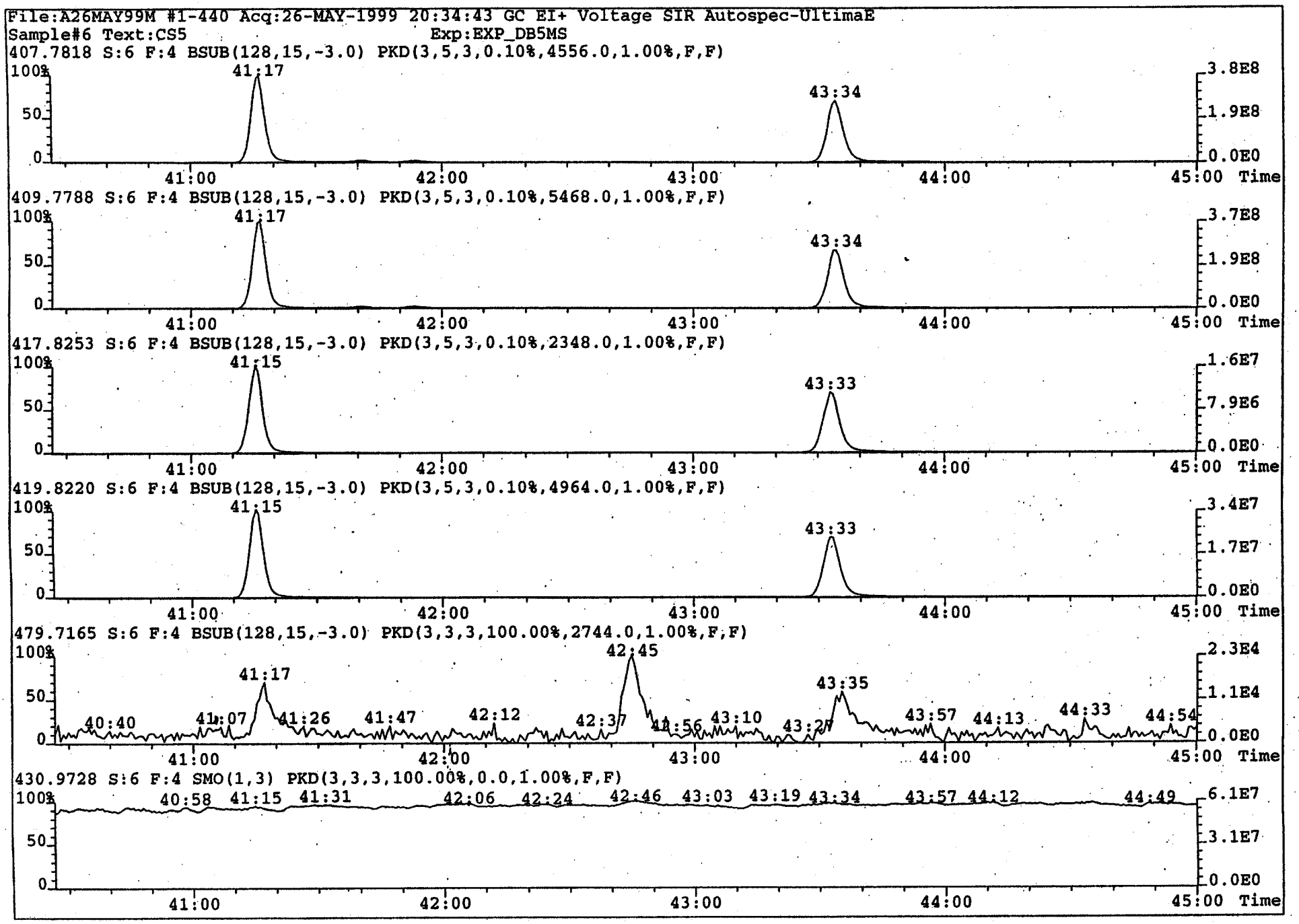
Run #5 Filename a26may99m S: 6 I: 1 Acquired: 26-MAY-99 20:34:43 Processed: 9-JUN-99 10:38:24
Run: Analyte: Cal: Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS5 Comments:

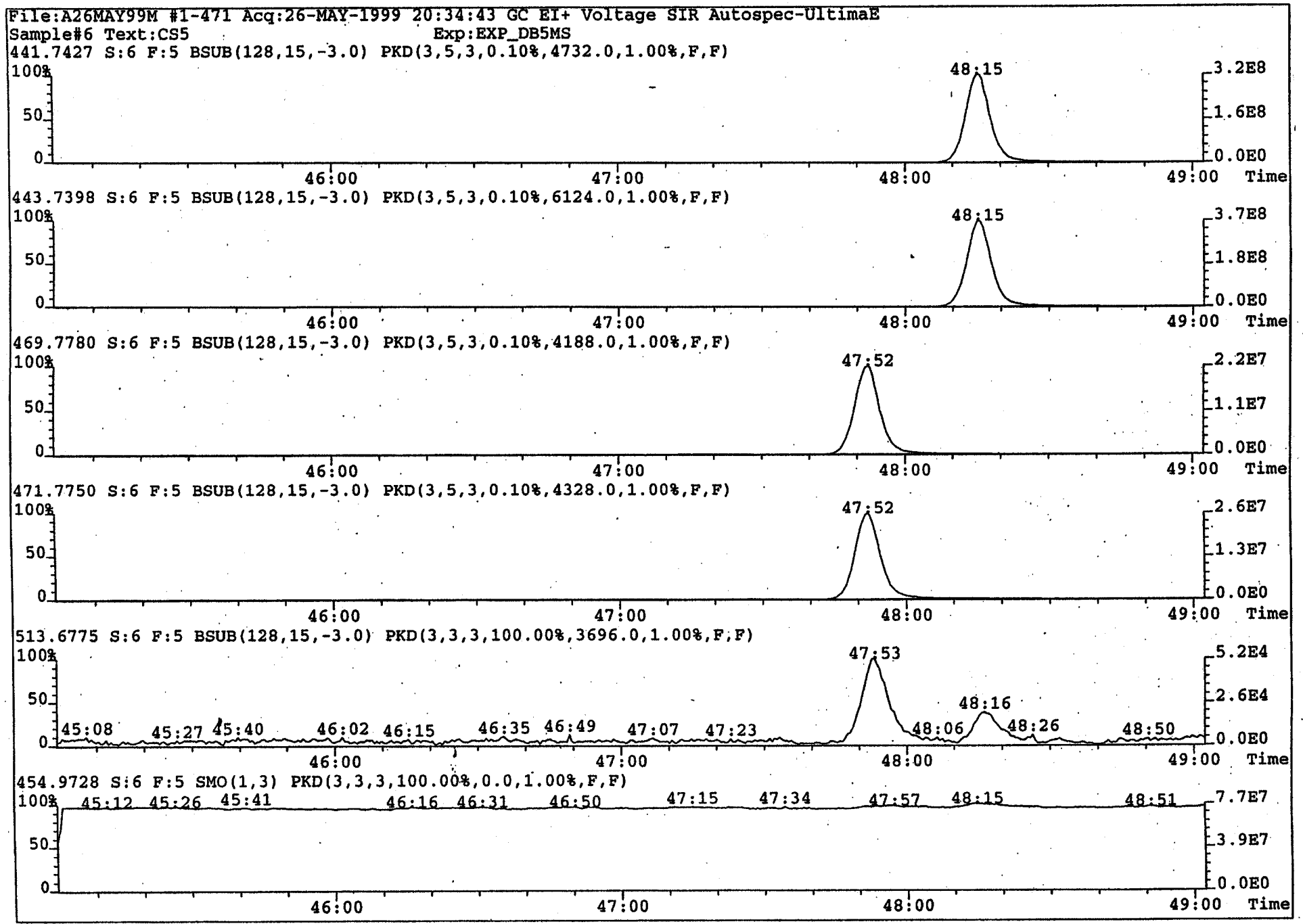
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?	
1	Unk	2,3,7,8-TCDD	200.00	5.58e+08	0.83	y	32:52	-	1.16	y	n	
2	Unk	1,2,3,7,8-PeCDD	1000.00	2.20e+09	1.66	y	35:47	-	1.03	y	n	
3	Unk	1,2,3,4,7,8-HxCDD	1000.00	1.91e+09	1.18	y	38:44	-	1.13	y	n	
4	Unk	1,2,3,6,7,8-HxCDD	1000.00	1.85e+09	1.17	y	38:50	-	0.99	y	n	
5	Unk	1,2,3,7,8,9-HxCDD	1000.00	1.97e+09	1.15	y	39:08	-	1.10	y	n	
6	Unk	1,2,3,4,6,7,8-HpCDD	1000.00	1.81e+09	1.05	y	42:45	-	1.02	y	n	
7	Unk	OCDD	2000.00	3.15e+09	0.86	y	47:53	-	1.10	y	n	
8	Unk	2,3,7,8-TCDF	200.00	7.77e+08	0.81	y	32:29	-	1.15	y	n	
9	Unk	1,2,3,7,8-PeCDF	1000.00	3.42e+09	1.58	y	34:55	-	1.05	y	n	
10	Unk	2,3,4,7,8-PeCDF	1000.00	3.49e+09	1.58	y	35:34	-	1.12	y	n	
11	Unk	1,2,3,4,7,8-HxCDF	1000.00	3.01e+09	1.13	y	37:56	-	1.24	y	n	
12	Unk	1,2,3,6,7,8-HxCDF	1000.00	3.26e+09	1.14	y	38:03	-	1.21	y	n	
13	Unk	2,3,4,6,7,8-HxCDF	1000.00	2.85e+09	1.15	y	38:36	-	1.17	y	n	
14	Unk	1,2,3,7,8,9-HxCDF	1000.00	2.61e+09	1.16	y	39:32	-	1.29	y	n	
15	Unk	1,2,3,4,6,7,8-HpCDF	1000.00	2.85e+09	1.02	y	41:17	-	1.47	y	n	
16	Unk	1,2,3,4,7,8,9-HpCDF	1000.00	2.32e+09	1.06	y	43:34	-	1.45	y	n	
17	Unk	OCDF	2000.00	4.02e+09	0.88	y	48:15	-	1.40	y	n	
18	ES/RT	13C-2,3,7,8-TCDD	100.00	2.41e+08	0.77	y	32:52	-	1.13	y	n	
19	ES	13C-1,2,3,7,8-PeCDD	100.00	2.12e+08	1.65	y	35:46	-	0.99	y	n	
20	ES	13C-1,2,3,4,7,8-HxCDD	100.00	1.69e+08	1.21	y	38:44	-	0.88	y	n	
21	ES	13C-1,2,3,6,7,8-HxCDD	100.00	1.88e+08	1.20	y	38:50	-	0.98	y	n	
22	ES	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.78e+08	1.02	y	42:44	-	0.93	y	n	
23	ES	13C-OCDD	200.00	2.87e+08	0.84	y	47:52	-	0.75	y	n	
24	ES/RT	13C-2,3,7,8-TCDF	100.00	3.37e+08	0.85	y	32:29	-	1.58	y	n	
25	ES	13C-1,2,3,7,8-PeCDF	100.00	3.27e+08	1.67	y	34:55	-	1.53	y	n	
26	ES	13C-2,3,4,7,8-PeCDF	100.00	3.11e+08	1.68	y	35:34	-	1.46	y	n	
27	ES	13C-1,2,3,4,7,8-HxCDF	100.00	2.43e+08	0.50	y	37:56	-	1.27	y	n	
28	ES	13C-1,2,3,6,7,8-HxCDF	100.00	2.70e+08	0.49	y	38:02	-	1.41	y	n	
29	ES	13C-2,3,4,6,7,8-HxCDF	100.00	2.44e+08	0.51	y	38:35	-	1.27	y	n	
30	ES	13C-1,2,3,7,8,9-HxCDF	100.00	2.03e+08	0.50	y	39:31	-	1.06	y	n	
31	ES	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.93e+08	0.46	y	41:15	-	1.01	y	n	
32	ES	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.60e+08	0.47	y	43:33	-	0.83	y	n	
33	JS	13C-1,2,3,4-TCDD	100.00	2.14e+08	0.77	y	32:34	2.14e+06	-	n	n	
34	JS	13C-1,2,3,7,8,9-HxCDD	100.00	1.92e+08	1.19	y	39:07	1.92e+06	-	n	n	
35	CS	37Cl-2,3,7,8-TCDD	200.00	5.27e+08			32:52	-	1.23	y	n	
36	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.15	y	n	
37	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.16	y	n	
38	Tot	Total Penta-Furans Fn1	0.00	-	-	n	-	-	1.08	y	n	
39	Tot	Total Penta-Furans Fn2	0.00	-	-	n	-	-	1.08	y	n	
40	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	1.03	y	n	
41	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	1.22	y	n	

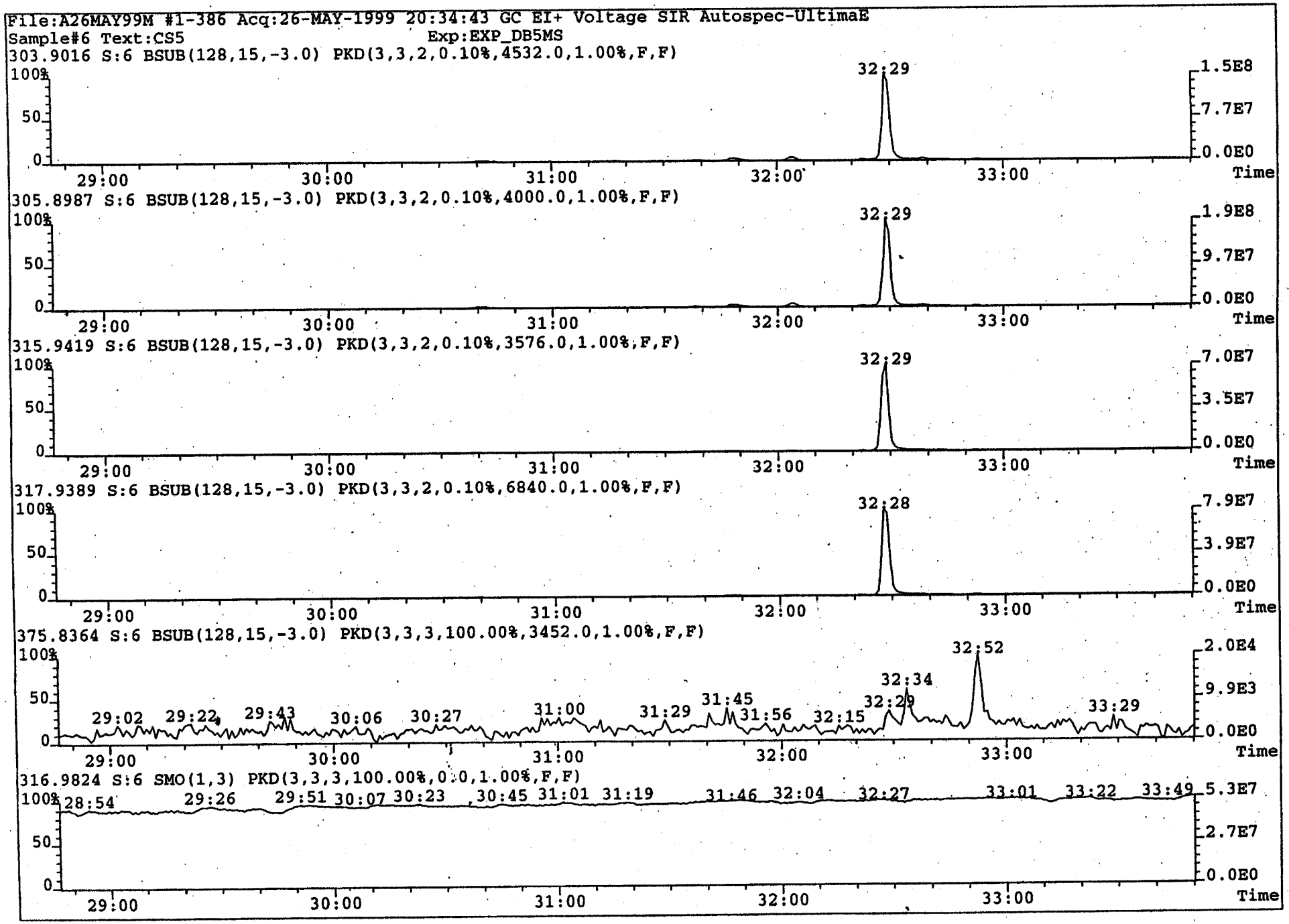

File:A26MAY99M #1-471 Acq:26-MAY-1999 20:34:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CS5 Exp:EXP_DB5MS
457.7377 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8236.0,1.00%,F,F)
47:53
2.5E8
1.2E8
0.0E0
459.7348 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5336.0,1.00%,F,F)
47:53
2.9E8
1.4E8
0.0E0
469.7780 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4188.0,1.00%,F,F)
47:52
2.2E7
1.1E7
0.0E0
471.7750 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4328.0,1.00%,F,F)
47:52
2.6E7
1.3E7
0.0E0
454.9728 S:6 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:07 45:26 45:41 46:16 46:31 46:50 47:15 47:34 47:57 48:15 48:51
7.7E7
3.9E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time


File:A26MAY99M #1-372 Acq:26-MAY-1999 20:34:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CS5 Exp:EXP_DB5MS
373.8207 S:6 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4864.0,1.00%,F,F)
38:03
38:36
39:32
5.8E8
2.9E8
0.0E0
375.8178 S:6 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,7204.0,1.00%,F,F)
38:03
38:36
39:32
5.1E8
2.6E8
0.0E0
383.8639 S:6 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8100.0,1.00%,F,F)
38:02
38:35
39:31
2.9E7
1.5E7
0.0E0
385.8610 S:6 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8284.0,1.00%,F,F)
38:02
38:35
39:31
6.0E7
3.0E7
0.0E0
445.7555 S:6 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3512.0,1.00%,F,F)
38:44
39:08
38:04
38:37
39:32
36:43 36:56 37:24 37:43 38:14 38:57 39:41 39:58 40:14
6.0E4
3.0E4
0.0E0
380.9760 S:6 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
36:53 37:05 37:26 37:51 38:03 38:29 38:45 39:04 39:20 39:33 39:51 40:18
1.1E8
5.6E7
0.0E0
100%
50
0
37:00
38:00
39:00
40:00
Time


File:A26MAY99M #1-259 Acq:26-MAY-1999 20:34:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CS5 Exp:EXP_DB5MS
339.8597 S:6 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,738096.0,1.00%,F,F)
34:55
35:34
9.2E8
4.6E8
0.0E0
341.8568 S:6 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,592624.0,1.00%,F,F)
34:55
35:34
5.8E8
2.9E8
0.0E0
351.9000 S:6 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,13380.0,1.00%,F,F)
34:55
35:34
8.7E7
4.4E7
0.0E0
353.8970 S:6 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,58596.0,1.00%,F,F)
34:55
35:34
5.3E7
2.6E7
0.0E0
409.7974 S:6 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4904.0,1.00%,F,F)
33:58
34:10
34:21
34:38
34:46
34:55
35:01
35:25
35:35
35:47
36:01
36:17
36:26
4.8E4
2.4E4
0.0E0
366.9792 S:6 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:03
34:13
34:21
34:30
34:41
34:55
35:05
35:16
35:34
35:46
35:55
36:04
36:20
4.7E7
2.3E7
0.0E0
100%
50
0
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
Time


File:A26MAY99M #1-440 Acq:26-MAY-1999 20:34:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CS5 Exp:EXP_DB5MS
407.7818 S:6 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4556.0,1.00%,F,F)
41:17
43:34
3.8E8
1.9E8
0.0E0
409.7788 S:6 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5468.0,1.00%,F,F)
41:17
43:34
3.7E8
1.9E8
0.0E0
417.8253 S:6 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2348.0,1.00%,F,F)
41:15
43:33
1.6E7
7.9E6
0.0E0
419.8220 S:6 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4964.0,1.00%,F,F)
41:15
43:33
3.4E7
1.7E7
0.0E0
479.7165 S:6 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2744.0,1.00%,F,F)
42:45
41:17
43:35
40:40
41:07
41:26
41:47
42:12
42:37
41:56
43:10
43:27
43:57
44:13
44:33
44:54
2.3E4
1.1E4
0.0E0
430.9728 S:6 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
40:58
41:15
41:31
42:06
42:24
42:46
43:03
43:19
43:34
43:57
44:12
44:49
6.1E7
3.1E7
0.0E0
41:00
42:00
43:00
44:00
45:00
Time


File:A26MAY99M #1-471 Acq:26-MAY-1999 20:34:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CS5 Exp:EXP_DB5MS
441.7427 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4732.0,1.00%,F,F)
48:15
3.2E8
1.6E8
0.0E0
443.7398 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6124.0,1.00%,F,F)
48:15
3.7E8
1.8E8
0.0E0
469.7780 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4188.0,1.00%,F,F)
47:52
2.2E7
1.1E7
0.0E0
471.7750 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4328.0,1.00%,F,F)
47:52
2.6E7
1.3E7
0.0E0
513.6775 S:6 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3696.0,1.00%,F,F)
47:53
48:16
45:08 45:27 45:40 46:02 46:15 46:35 46:49 47:07 47:23 48:06 48:26 48:50
5.2E4
2.6E4
0.0E0
454.9728 S:6 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
45:12 45:26 45:41 46:16 46:31 46:50 47:15 47:34 47:57 48:15 48:51
7.7E7
3.9E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time


File:A26MAY99M #1-386 Acq:26-MAY-1999 20:34:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CS5 Exp:EXP_DB5MS
303.9016 S:6 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4532.0,1.00%,F,F)
32:29
1.5E8
7.7E7
0.0E0
305.8987 S:6 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4000.0,1.00%,F,F)
32:29
1.9E8
9.7E7
0.0E0
315.9419 S:6 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3576.0,1.00%,F,F)
32:29
7.0E7
3.5E7
0.0E0
317.9389 S:6 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6840.0,1.00%,F,F)
32:28
7.9E7
3.9E7
0.0E0
375.8364 S:6 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3452.0,1.00%,F,F)
29:02 29:22 29:43 30:06 30:27 31:00 31:29 31:45 31:56 32:15 32:29 32:34 32:52 33:29
2.0E4
9.9E3
0.0E0
316.9824 S:6 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
28:54 29:26 29:51 30:07 30:23 30:45 31:01 31:19 31:46 32:04 32:27 33:01 33:22 33:49
5.3E7
2.7E7
0.0E0
100%
50
0
29:00
30:00
31:00
32:00
33:00
Time

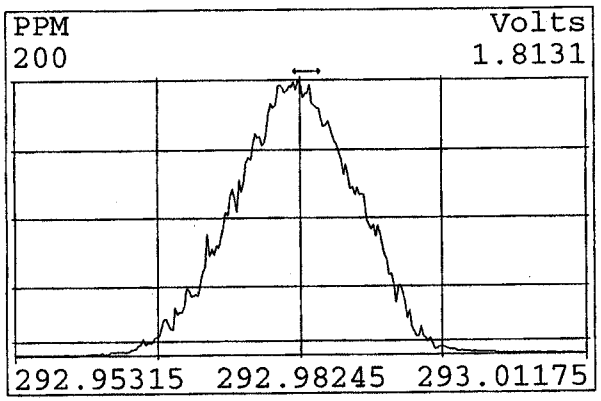
Section 6

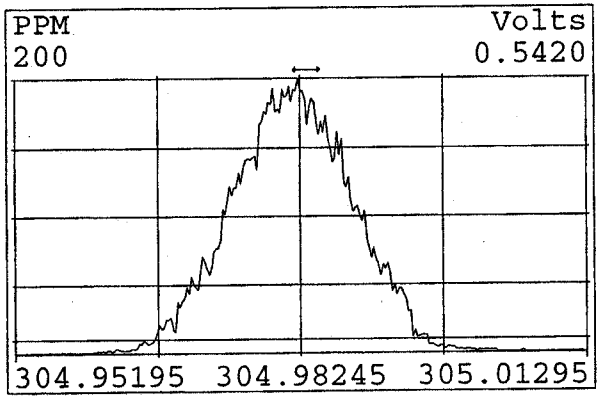
Continuing Calibration Data

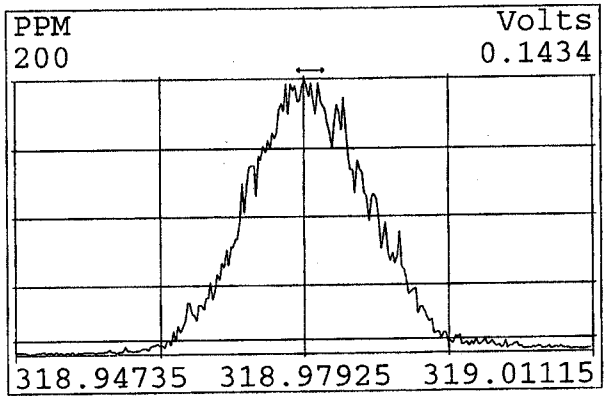
Paradigm Sample Log

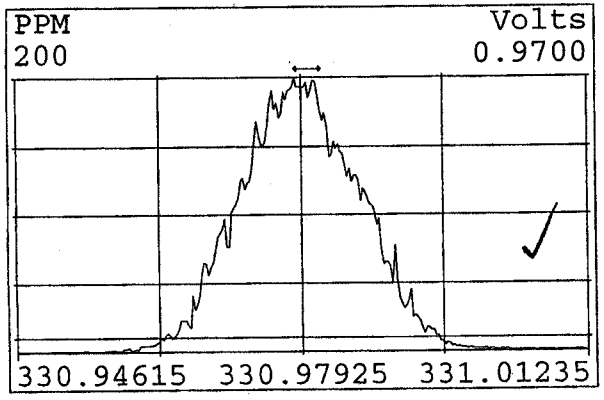
Data File S	Sample ID	Analyst	Acq. Date	Time
a14feb01a;1	;RETCON	;HMP	14-FEB-01	16:44:19
a14feb01a;2	;WG5267-2	;HMP	14-FEB-01	17:31:44
a14feb01a;3	;WG5267-1 x1/1	;HMP	14-FEB-01	18:19:10
a14feb01a;4	;WG5269-2	;HMP	14-FEB-01	19:06:35
a14feb01a;5	;WG5269-1 x1/1	;HMP	14-FEB-01	19:54:01
a14feb01a;6	;14373R x1/1	;HMP	14-FEB-01	20:41:27
a14feb01a;7	;14374R x1/1	;HMP	14-FEB-01	21:28:52
a14feb01a;8	;14375R x1/1	;HMP	14-FEB-01	22:16:18
a14feb01a;9	;14377R x1/1	;HMP	14-FEB-01	23:03:44
a14feb01a;10	;13888R x1/1	;HMP	14-FEB-01	23:51:10
a14feb01a;11	;13889R x1/1	;HMP	15-FEB-01	00:38:35
a14feb01a;12	;14698 x1/1	;HMP	15-FEB-01	01:25:57
a14feb01a;13	;14699 x1/1	;HMP	15-FEB-01	02:13:23
a14feb01a;14	;14700 x1/1	;HMP	15-FEB-01	03:00:48
a14feb01a;15	;RETCON	;HMP	15-FEB-01	03:48:14
a14feb01a_2;1	;14701 x1/1	;HMP	15-FEB-01	04:36:11
a14feb01a_2;2	;14702 x1/1	;HMP	15-FEB-01	05:23:37
a14feb01a_2;3	;14703 x1/1	;HMP	15-FEB-01	06:11:05
a14feb01a_2;4	;14704 x1/1	;HMP	15-FEB-01	06:58:27
a14feb01a_2;5	;14705 x1/1	;HMP	15-FEB-01	07:45:49

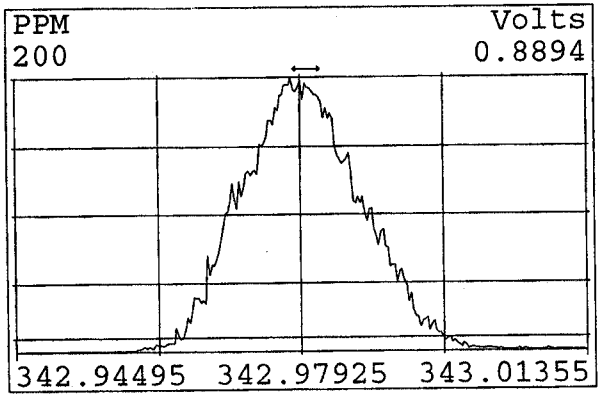
Peak Locate Examination:14-FEB-2001:16:43 File:A14FEB01A_L
Experiment:EXP_DB5MS Function:1 Reference:PFK

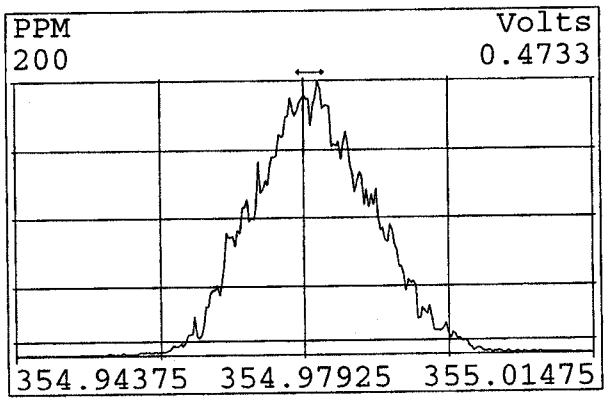


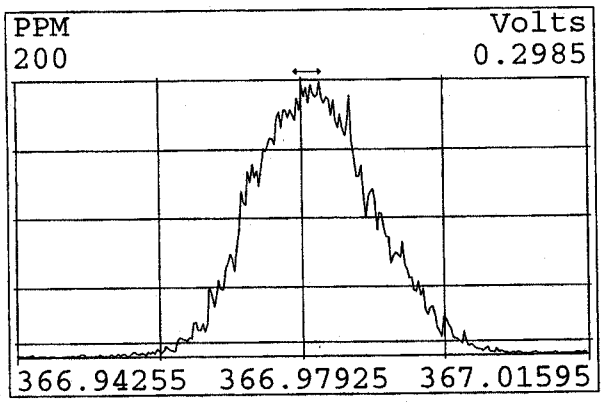


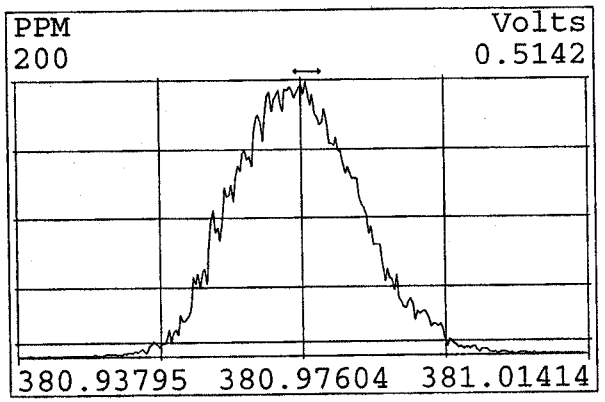




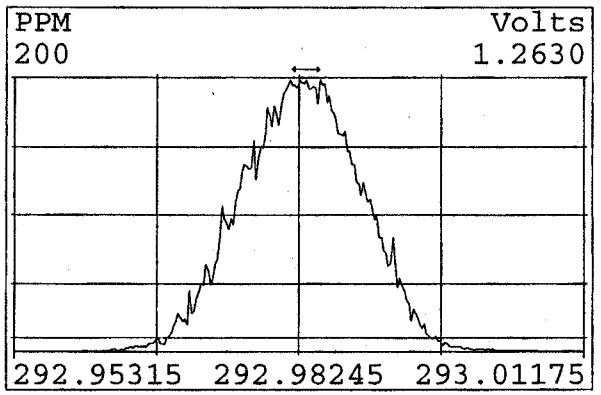


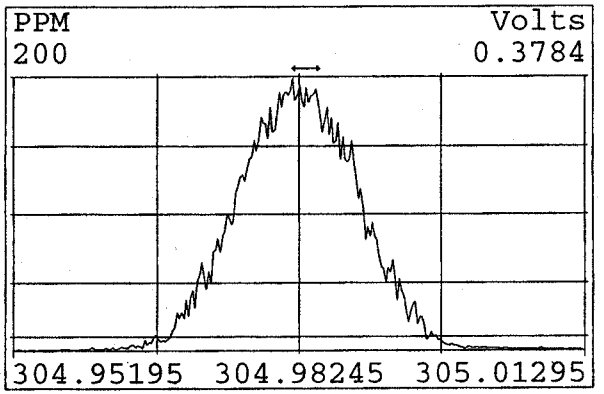


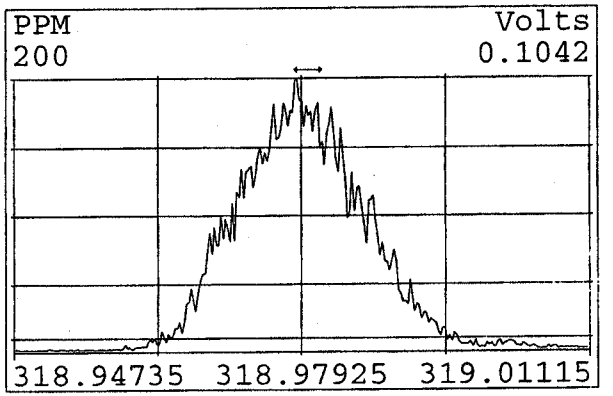


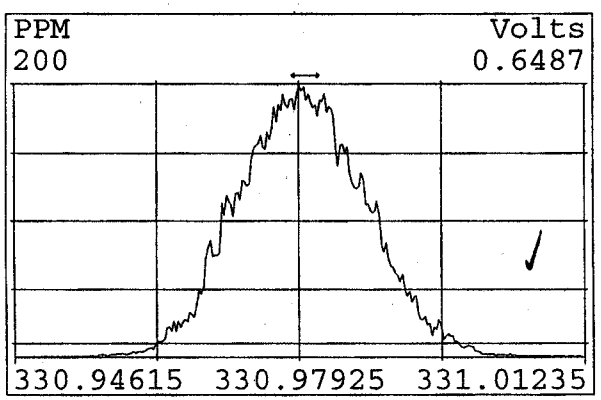


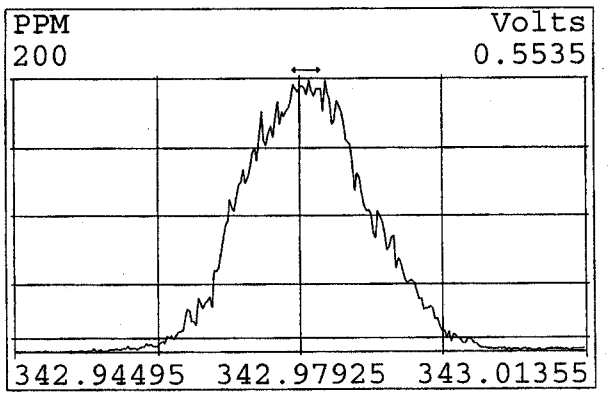
Peak Locate Examination:15-FEB-2001:04:35 File:A14FEB01A_RES_CHECK
Experiment:EXP_DB5MS Function:1 Reference:PFK

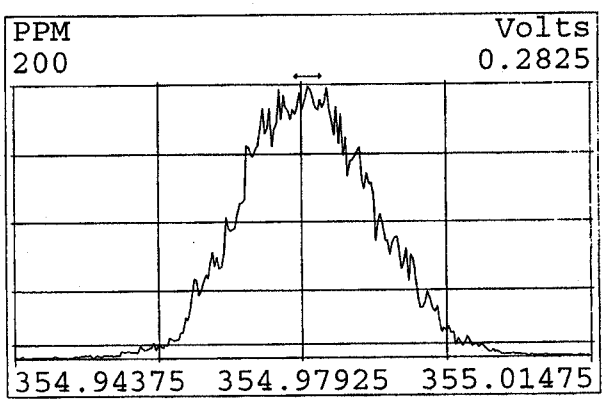


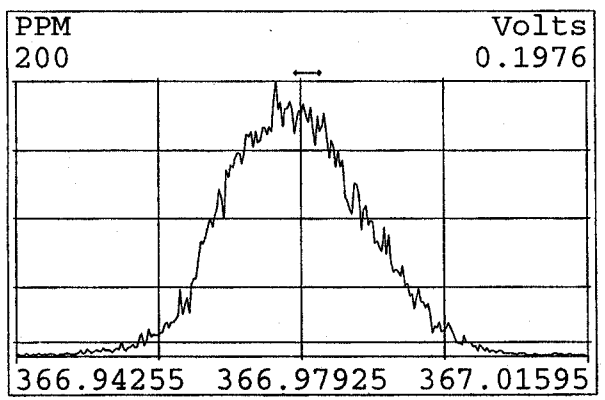


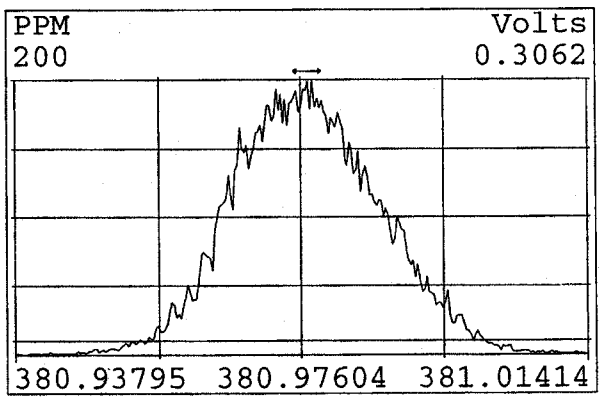


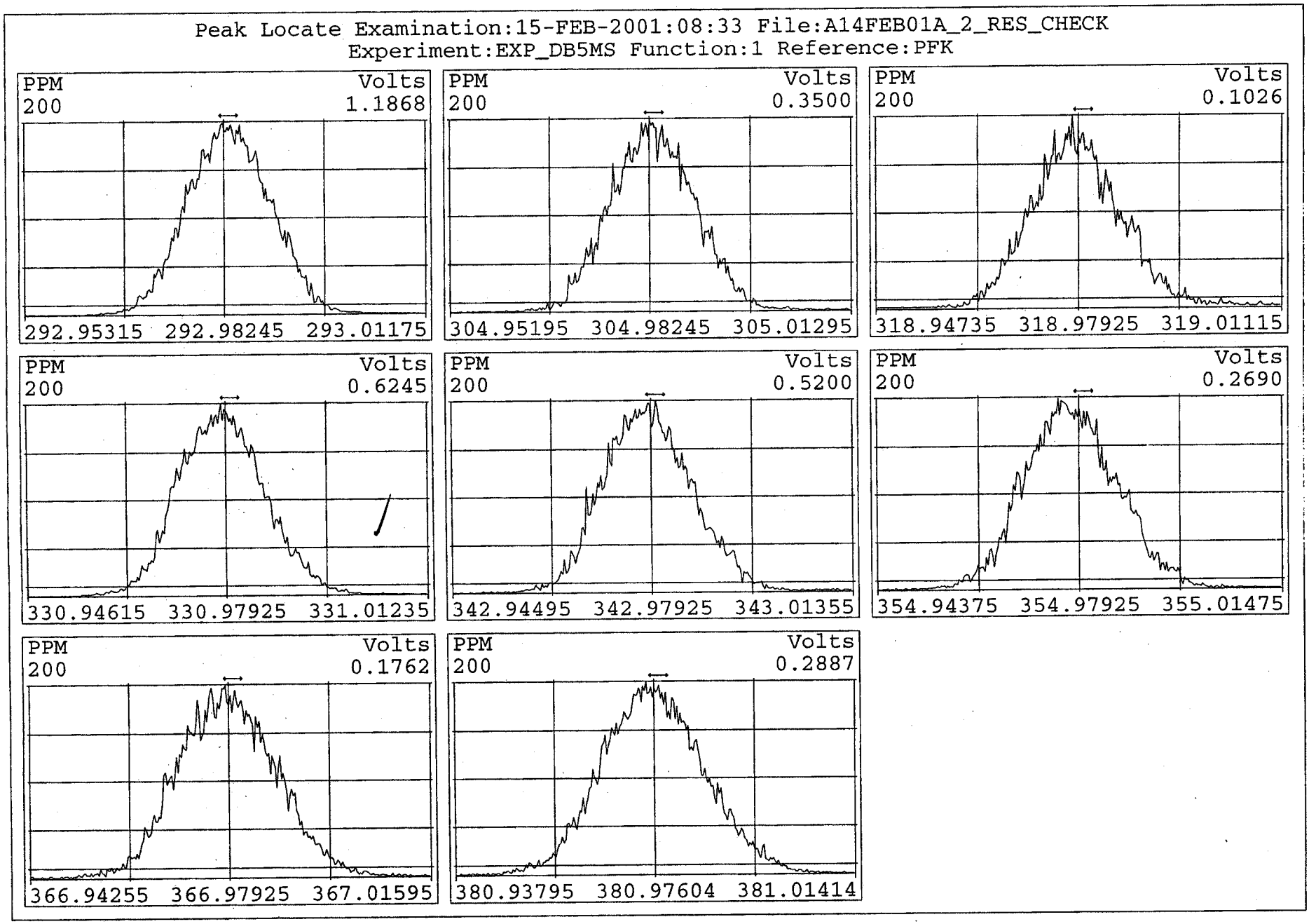








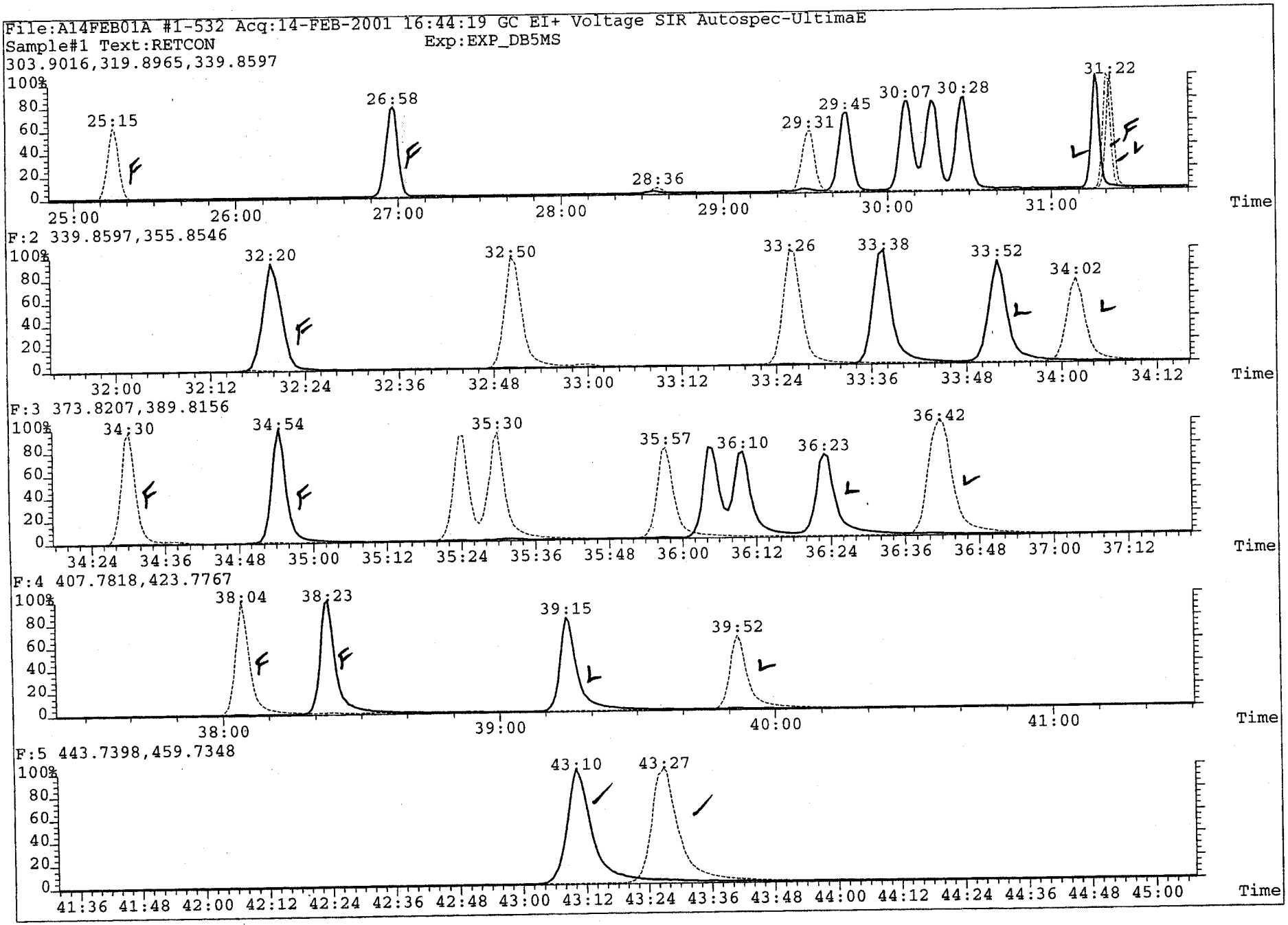


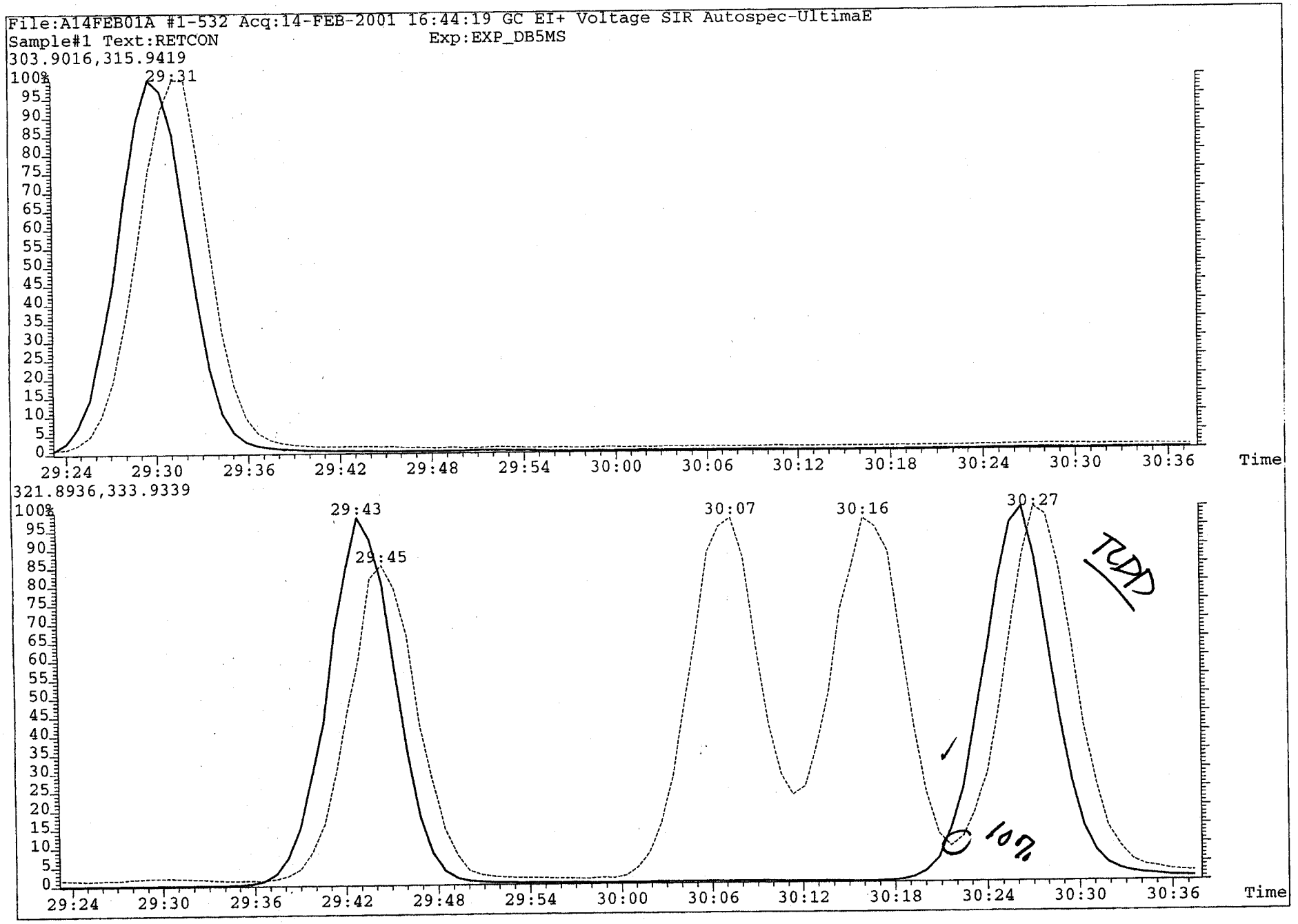

Peak Locate Examination:15-FEB-2001:08:33 File:A14FEB01A_2_RES_CHECK
Experiment:EXP_DB5MS Function:1 Reference:PFK
PPM
200
Volts
1.1868
292.95315 292.98245 293.01175
PPM
200
Volts
0.3500
304.95195 304.98245 305.01295
PPM
200
Volts
0.1026
318.94735 318.97925 319.01115
PPM
200
Volts
0.6245
330.94615 330.97925 331.01235
PPM
200
Volts
0.5200
342.94495 342.97925 343.01355
PPM
200
Volts
0.2690
354.94375 354.97925 355.01475
PPM
200
Volts
0.1762
366.94255 366.97925 367.01595
PPM
200
Volts
0.2887
380.93795 380.97604 381.01414

Page 1

Filename ; a14feb01a
Sample ; 1
Acquired ; 14-FEB-01 16:44:19
Processed ; 15-FEB-01 08:59:26
Sample ID ; RETCON

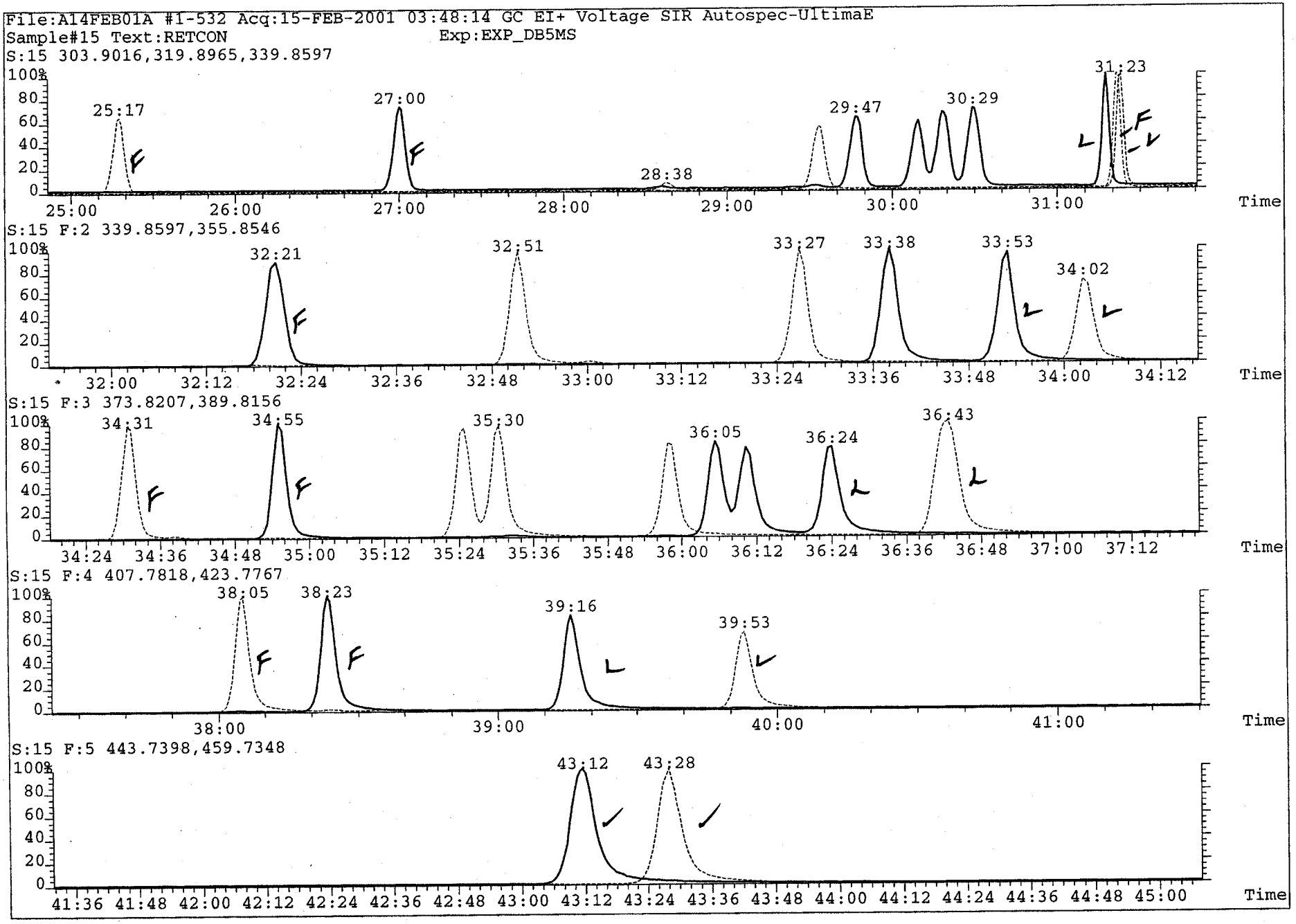
Name	First Eluter RT	Last Eluter RT
TCDD	26:58	31:16
PeCDD	32:20	33:52
HxCDD	34:54	36:23
HpCDD	38:23	39:15
OCDD	43:10	
TCDF	25:15	31:22
PeCDF	31:20	34:02
HxCDF	34:30	36:42
HpCDF	38:04	39:52
OCDF	43:27	

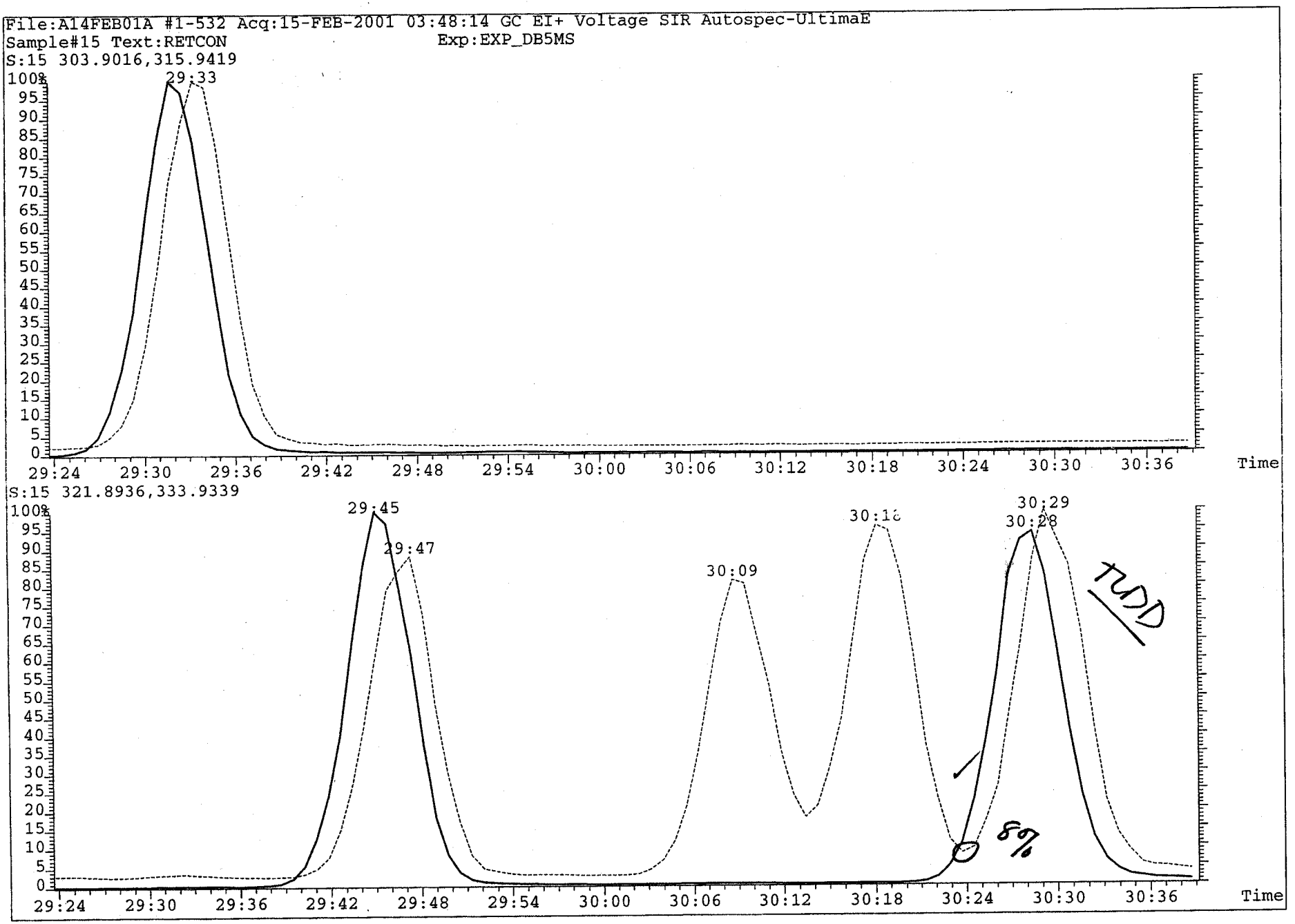

File:A14FEB01A #1-532 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
303.9016,319.8965,339.8597
25:15
26:58
28:36
29:31
29:45
30:07
30:28
31:22
F:2 339.8597,355.8546
32:20
32:50
33:26
33:38
33:52
34:02
F:3 373.8207,389.8156
34:30
34:54
35:30
35:57
36:10
36:23
36:42
F:4 407.7818,423.7767
38:04
38:23
39:15
39:52
F:5 443.7398,459.7348
43:10
43:27
Time


File:A14FEB01A #1-532 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
303.9016,315.9419
29:31
321.8936,333.9339
29:43
29:45
30:07
30:16
30:27
TWD
10%
Time

Filename ; a14feb01a
Sample ; 15
Acquired ; 15-FEB-01 03:48:14
Processed ; 15-FEB-01 08:59:38
Sample ID ; RETCON

Name	First Eluter RT	Last Eluter RT
TCDD	27:00	31:17
PeCDD	32:21	33:53
HxCDD	34:55	36:24
HpCDD	38:23	39:16
OCDD	43:12	
TCDF	25:17	31:23
PeCDF	31:21	34:02
HxCDF	34:31	36:43
HpCDF	38:05	39:53
OCDF	43:28	


File:A14FEB01A #1-532 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
S:15 303.9016,319.8965,339.8597
25:17
27:00
28:38
29:47
30:29
31:23
Time
S:15 F:2 339.8597,355.8546
32:21
32:51
33:27
33:38
33:53
34:02
Time
S:15 F:3 373.8207,389.8156
34:31
34:55
35:30
36:05
36:24
36:43
Time
S:15 F:4 407.7818,423.7767
38:05
38:23
39:16
39:53
Time
S:15 F:5 443.7398,459.7348
43:12
43:28
Time

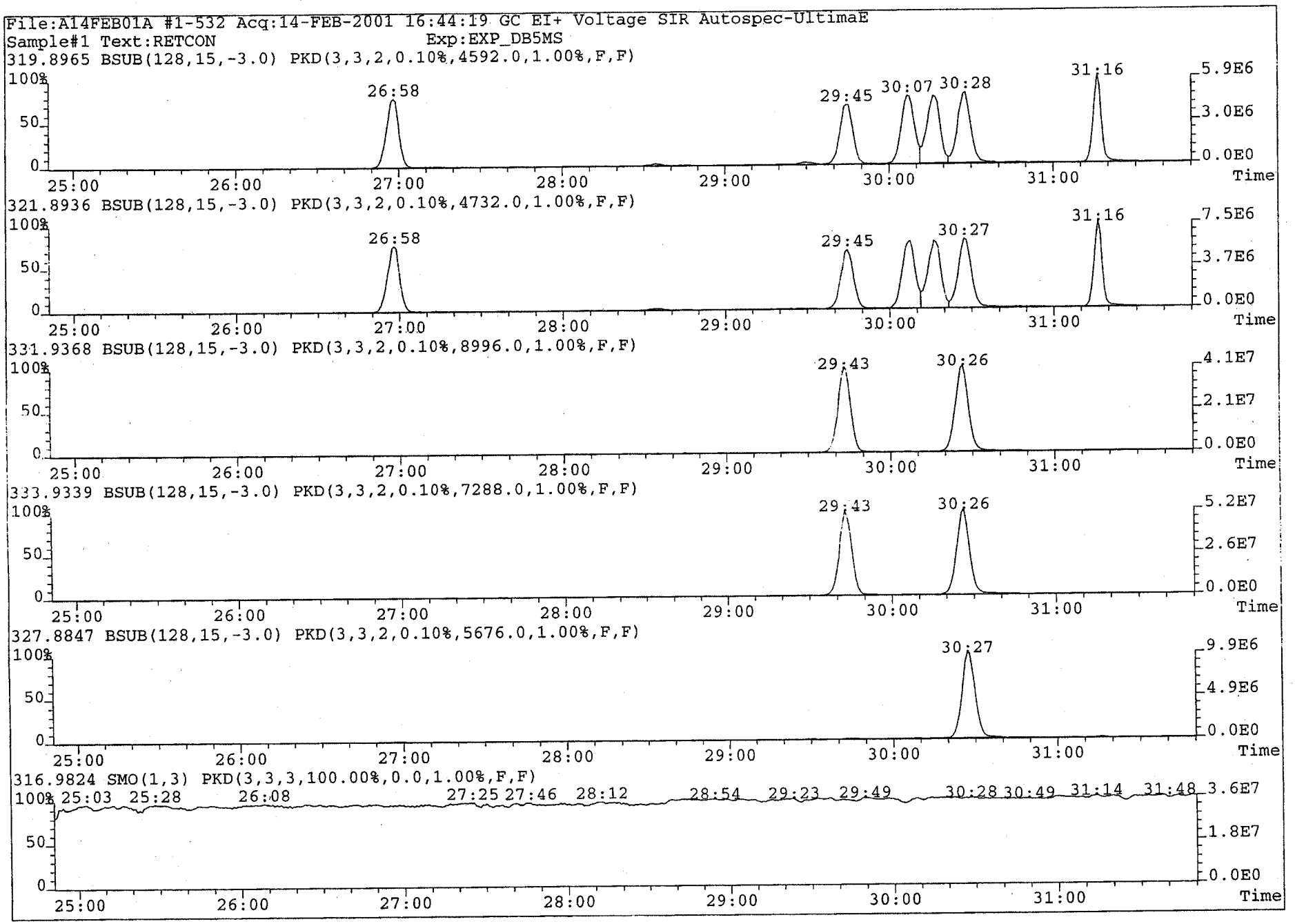

File:A14FEB01A #1-532 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
S:15 303.9016,315.9419
29:33
S:15 321.8936,333.9339
29:45
29:47
30:09
30:18
30:28
30:29
TUDD
5%
Time
Time

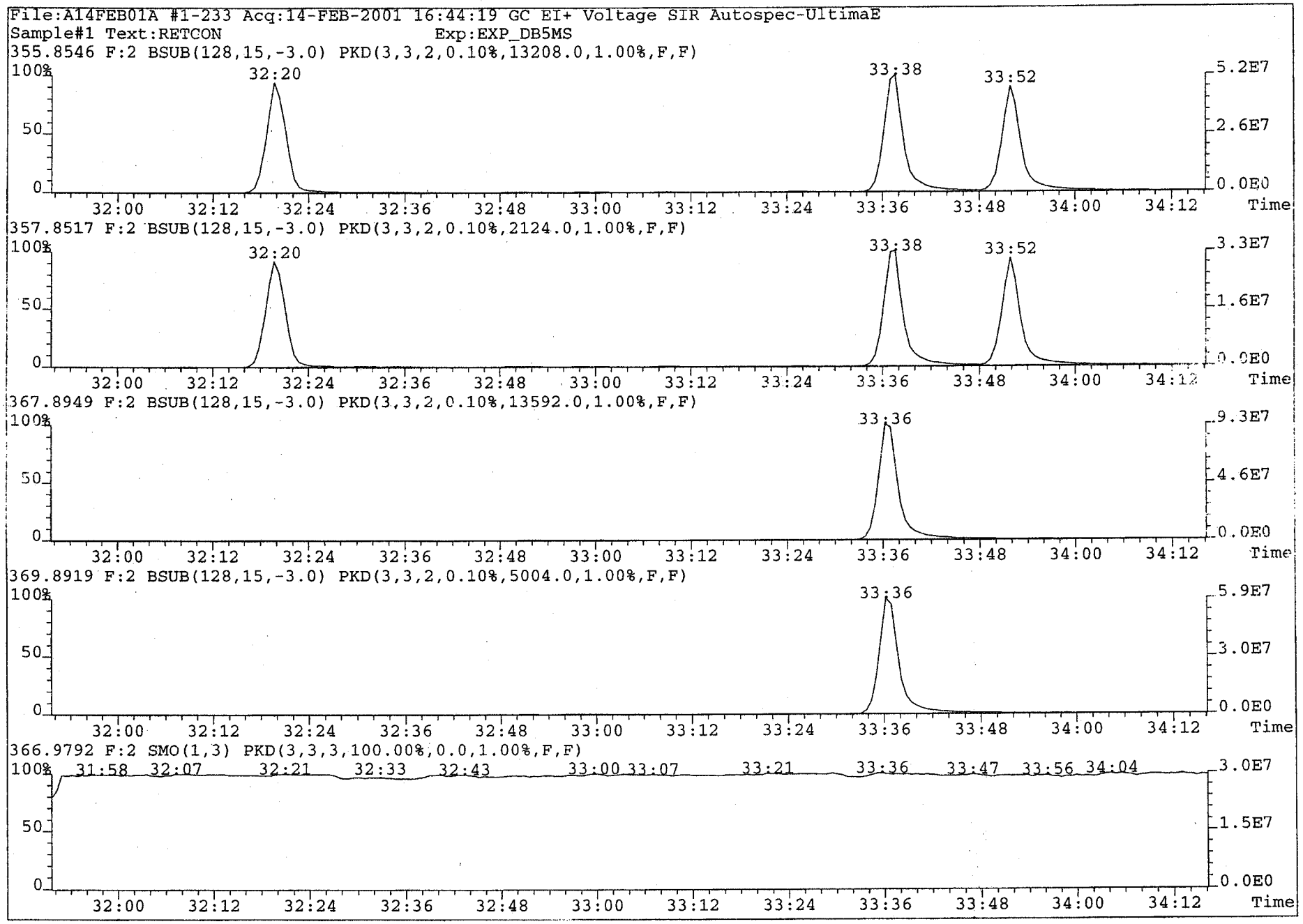
Run #6 Filename a14feb01a S: 1 I: 1 Acquired: 14-FEB-01 16:44:19 Processed: 15-FEB-01 08:07:23
Run: a17may99m Analyte: m8290-020» Cal: m8290-052» Results: Quan : V3.6 31-JUL-1998 10:51:59
Sample text: RETCON Comments: OPUS : V3.6X 31-JUL-1998 11:15:12

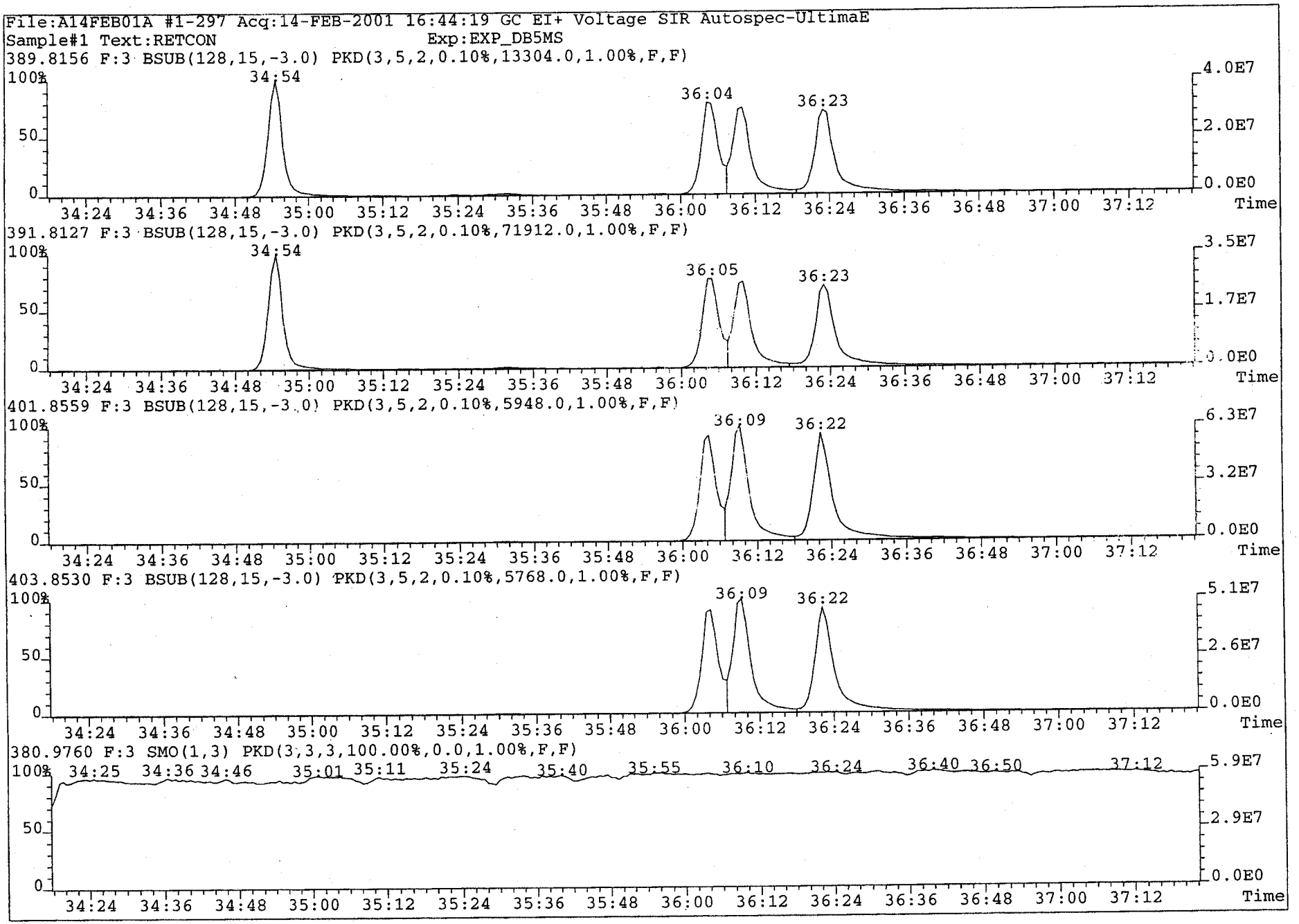
Typ	Name	Resp	RA		RT	Conc	Dev'n	CCAL RRF	ICAL RRF	Mod?
Unk	2,3,7,8-TCDD	5.9e+07	0.80	y	30:28	10.00	0.0	1.1812	1.1810	n
Unk	1,2,3,7,8-PeCDD	2.3e+08	1.59	y	33:38	53.51	7.0	1.1021	1.0298	n
Unk	1,2,3,4,7,8-HxCDD	1.8e+08	1.18	y	36:04	46.32	-7.4	0.9462	1.0214	n
Unk	1,2,3,6,7,8-HxCDD	1.9e+08	1.20	y	36:10	51.62	3.2	1.0026	0.9712	n
Unk	1,2,3,7,8,9-HxCDD	2.0e+08	1.17	y	36:23	49.82	-0.4	1.0744	1.0784	n
Unk	1,2,3,4,6,7,8-HpCDD	1.5e+08	1.03	y	39:15	50.64	1.3	1.0194	1.0066	n
Unk	OCDD	2.5e+08	0.86	y	43:10	110.7	10.7	1.1910	1.0759	n
Unk	2,3,7,8-TCDF	8.1e+07	0.76	y	29:31	9.590	-4.1	1.0804	1.1266	n
Unk	1,2,3,7,8-PeCDF	3.3e+08	1.53	y	32:50	49.05	-1.9	1.0349	1.0549	n
Unk	2,3,4,7,8-PeCDF	3.6e+08	1.55	y	33:26	50.87	1.7	1.0984	1.0795	n
Unk	1,2,3,4,7,8-HxCDF	2.9e+08	1.19	y	35:24	46.99	-6.0	1.0792	1.1483	n
Unk	1,2,3,6,7,8-HxCDF	3.3e+08	1.15	y	35:30	51.67	3.3	1.2447	1.2044	n
Unk	2,3,4,6,7,8-HxCDF	2.8e+08	1.19	y	35:57	48.10	-3.8	1.0405	1.0817	n
Unk	1,2,3,7,8,9-HxCDF	5.0e+08	1.22	y	36:42	93.96	-6.0	0.9256	0.9851	n
Unk	1,2,3,4,6,7,8-HpCDF	2.5e+08	0.97	y	38:04	49.67	-0.7	1.4544	1.4641	n
Unk	1,2,3,4,7,8,9-HpCDF	2.0e+08	1.00	y	39:52	49.74	-0.5	1.1942	1.2004	n
Unk	OCDF	2.9e+08	0.84	y	43:27	103.7	3.7	1.3676	1.3185	n
ES/RT	13C-2,3,7,8-TCDD	5.0e+08	0.80	y	30:26	99.95	0.0	1.0607	1.0612	n
ES	13C-1,2,3,7,8-PeCDD	4.2e+08	1.58	y	33:36	101.3	1.3	0.9058	0.8944	n
ES	13C-1,2,3,6,7,8-HxCDD	3.8e+08	1.22	y	36:09	103.4	3.4	0.9865	0.9544	n
ES	13C-1,2,3,4,6,7,8-HpCDD	3.0e+08	1.03	y	39:14	85.94	-14.1	0.7867	0.9154	n
ES	13C-OCDD	4.2e+08	0.82	y	43:10	155.3	-22.3	0.5535	0.7127	n
ES/RT	13C-2,3,7,8-TCDF	7.5e+08	0.82	y	29:30	105.9	5.9	1.5932	1.5045	n
ES	13C-1,2,3,7,8-PeCDF	6.5e+08	1.56	y	32:50	100.2	0.2	1.3799	1.3771	n
ES	13C-1,2,3,6,7,8-HxCDF	5.4e+08	0.49	y	35:29	104.3	4.3	1.4016	1.3431	n
ES	13C-1,2,3,4,6,7,8-HpCDF	3.4e+08	0.44	y	38:04	89.55	-10.4	0.8897	0.9935	n
JS	13C-1,2,3,4-TCDD	4.7e+08	0.80	y	29:43	231.7	-	-	-	n
JS	13C-1,2,3,7,8,9-HxCDD	3.8e+08	1.23	y	36:22	232.7	-	-	-	n
CS	37Cl-2,3,7,8-TCDD	5.4e+07	1.60	y	30:27	9.769	-2.3	1.1475	1.1747	n
CS	13C-2,3,4,7,8-PeCDF	6.5e+08	1.23	y	33:26	106.7	6.7	1.3917	1.3048	n
CS	13C-1,2,3,4,7,8-HxCDD	3.1e+08	0.50	y	36:04	94.96	-5.0	0.8141	0.8573	n
CS	13C-1,2,3,4,7,8-HxCDF	4.5e+08	0.46	y	35:23	94.06	-5.9	1.1718	1.2458	n
CS	13C-1,2,3,4,7,8,9-HpCDF	2.8e+08			39:51	88.90	-11.1	0.7281	0.8190	n
SS	37Cl-2,3,7,8-TCDD	5.4e+07	1.60	y						
SS	13C-2,3,4,7,8-PeCDF	6.5e+08	1.23	y	30:27	9.768	-2.3	1.0818	1.1075	n
SS	13C-1,2,3,4,7,8-HxCDD	3.1e+08	0.50	y	33:26	106.4	6.4	1.0085	0.9475	n
SS	13C-1,2,3,4,7,8-HxCDF	4.5e+08	0.46	y	36:04	91.89	-8.1	0.8252	0.8980	n
SS	13C-1,2,3,4,7,8,9-HpCDF	2.8e+08			35:23	90.06	-9.9	0.8361	0.9283	n
DPE	HxCDPE	*			39:51	99.27	-0.7	0.8184	0.8244	n
DPE	HpCDPE	*			NotFnd	*	-	-	-	n
					NotFnd	*	-	-	-	n

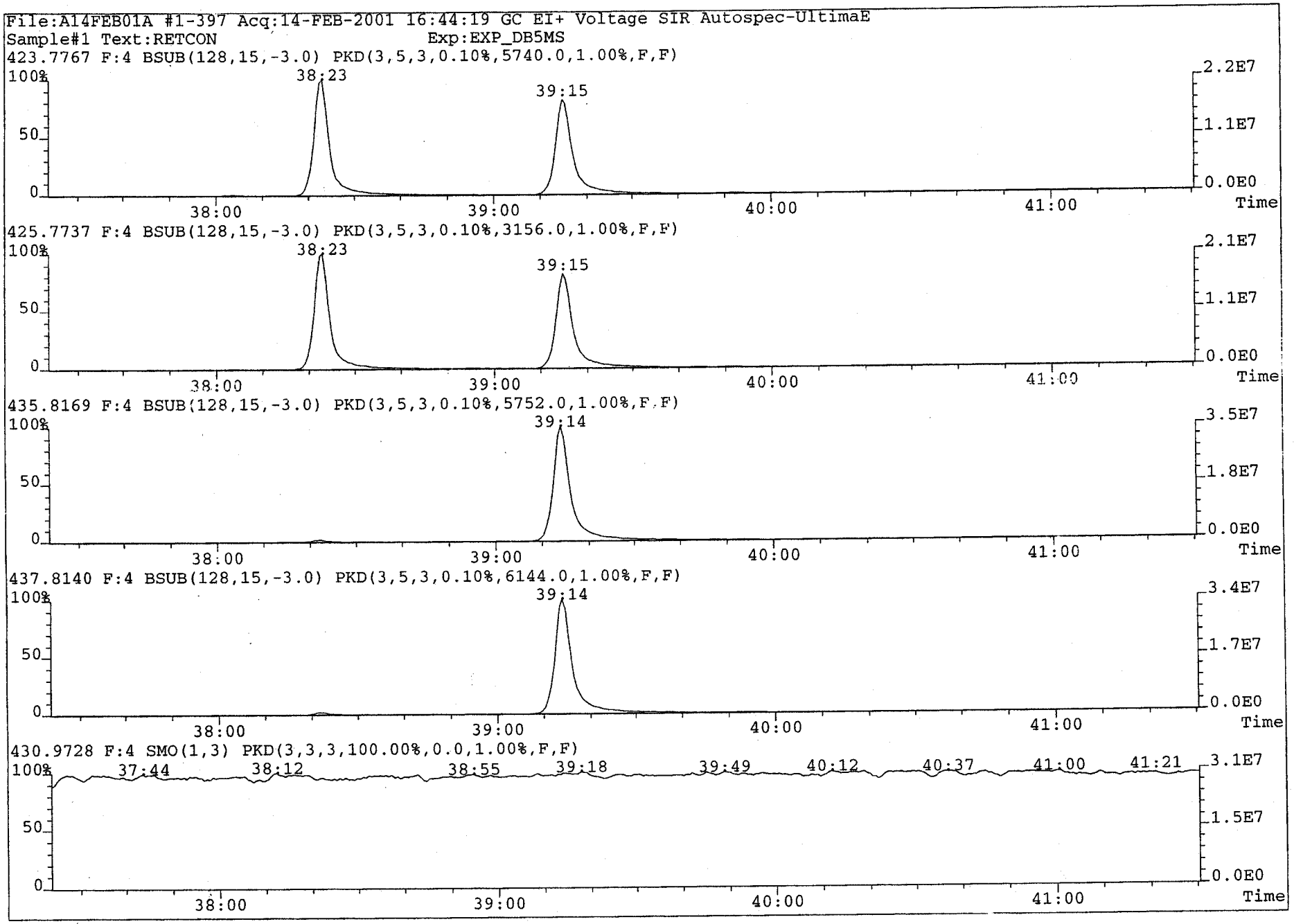
Filename ; a14feb01a
Sample ; 1
Acquired ; 14-FEB-01 16:44:19
Processed ; 15-FEB-01 08:10:14
Sample ID ; RETCON
Cal Table ; m1613-052699m
Results Table ;
Comments ;

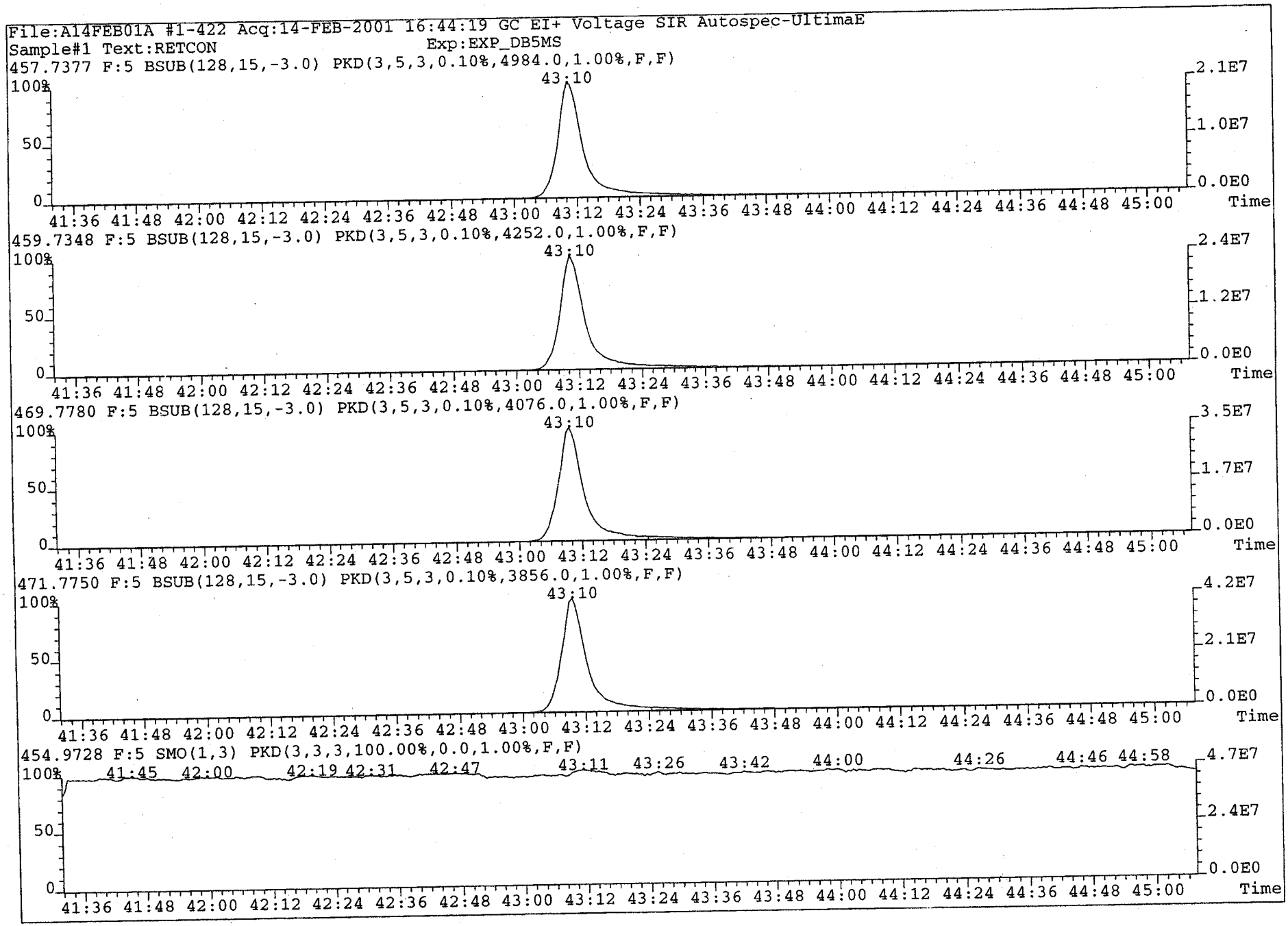
Typ	Name	Resp	RA;?;	RT	S/N1;?;	S/N;?;	Conc	Limits	mod?
Unk	2,3,7,8-TCDD	5.87e+07	0.80;y;	30:28	1048;y;	126;y;	10.001	7.8 - 12.9	no
Unk	1,2,3,7,8-PeCDD	2.34e+08	1.59;y;	33:38	3933;y;	1538;y;	53.508	39 - 65	no
Unk	1,2,3,4,7,8-HxCDD	1.79e+08	1.18;y;	36:05	2389;y;	37;y;	50.396	39 - 64	no
Unk	1,2,3,6,7,8-HxCDD	1.90e+08	1.20;y;	36:10	2254;y;	35;y;	51.616	39 - 64	no
Unk	1,2,3,7,8,9-HxCDD	2.03e+08	1.17;y;	36:24	2163;y;	34;y;	51.797	41 - 61	no
Unk	1,2,3,4,6,7,8-HpCDD	1.54e+08	1.03;y;	39:16	3131;y;	558;y;	50.637	43 - 58	no
Unk	OCDD	2.53e+08	0.86;y;	43:12	4208;y;	575;y;	110.703	79 - 126	no
Unk	2,3,7,8-TCDF	8.07e+07	0.76;y;	29:31	1724;y;	166;y;	9.590	8.4 - 12.0	no
Unk	1,2,3,7,8-PeCDF	3.35e+08	1.53;y;	32:51	978;y;	99;y;	49.051	41 - 60	no
Unk	2,3,4,7,8-PeCDF	3.55e+08	1.55;y;	33:26	1002;y;	99;y;	47.793	41 - 61	no
Unk	1,2,3,4,7,8-HxCDF	2.90e+08	1.19;y;	35:24	3020;y;	314;y;	52.087	45 - 56	no
Unk	1,2,3,6,7,8-HxCDF	3.34e+08	1.15;y;	35:30	3107;y;	318;y;	51.641	44 - 57	no
Unk	2,3,4,6,7,8-HxCDF	2.80e+08	1.19;y;	35:58	2592;y;	268;y;	50.776	45 - 56	no
Unk	1,2,3,7,8,9-HxCDF	4.97e+08	1.22;y;	36:42	3267;y;	328;y;	102.144	88 - 114	no
Unk	1,2,3,4,6,7,8-HpCDF	2.48e+08	0.97;y;	38:05	1620;y;	193;y;	49.670	45 - 55	no
Unk	1,2,3,4,7,8,9-HpCDF	2.04e+08	1.00;y;	39:53	1047;y;	126;y;	50.101	43 - 58	no
Unk	OCDF	2.90e+08	0.84;y;	43:28	5238;y;	687;y;	103.642	63 - 159	no
ES/RT	13C-2,3,7,8-TCDD	4.97e+08	0.80;y;	30:26	4564;y;	717;y;	99.954	82 - 121	no
ES	13C-1,2,3,7,8-PeCDD	4.24e+08	1.58;y;	33:37	6815;y;	1188;y;	101.269	62 - 160	no
ES	13C-1,2,3,4,7,8-HxCDD	3.12e+08	1.23;y;	36:04	9721;y;	800;y;	94.963	85 - 117	no
ES	13C-1,2,3,6,7,8-HxCDD	3.78e+08	1.22;y;	36:10	10612;y;	885;y;	103.363	85 - 118	no
ES	13C-1,2,3,4,6,7,8-HpCDD	3.02e+08	1.03;y;	39:15	6093;y;	556;y;	85.938	72 - 138	no
ES	13C-OCDD	4.24e+08	0.82;y;	43:11	8582;y;	1099;y;	155.328	96 - 415	no
ES/RT	13C-2,3,7,8-TCDF	7.47e+08	0.82;y;	29:30	11045;y;	1386;y;	105.891	71 - 140	no
ES	13C-1,2,3,7,8-PeCDF	6.47e+08	1.56;y;	32:50	20864;y;	142;y;	100.209	76 - 130	no
ES	13C-2,3,4,7,8-PeCDF	6.52e+08	1.60;y;	33:26	19803;y;	136;y;	106.659	77 - 130	no
ES	13C-1,2,3,4,7,8-HxCDF	4.49e+08	0.50;y;	35:23	4879;y;	1178;y;	94.058	76 - 131	no
ES	13C-1,2,3,6,7,8-HxCDF	5.37e+08	0.49;y;	35:30	4720;y;	1198;y;	104.349	70 - 143	no
ES	13C-2,3,4,6,7,8-HxCDF	4.77e+08	0.50;y;	35:57	4667;y;	1079;y;	98.909	73 - 137	no
ES	13C-1,2,3,7,8,9-HxCDF	3.82e+08	0.51;y;	36:41	3292;y;	791;y;	96.022	74 - 135	no
ES	13C-1,2,3,4,6,7,8-HpCDF	3.41e+08	0.44;y;	38:04	1375;y;	168;y;	89.552	78 - 129	no
ES	13C-1,2,3,4,7,8,9-HpCDF	2.79e+08	0.46;y;	39:52	950;y;	113;y;	88.898	77 - 129	no
JS	13C-1,2,3,4-TCDD	4.69e+08	0.80;y;	29:43	4423;y;	706;y;	231.708		no
JS	13C-1,2,3,7,8,9-HxCDD	3.83e+08	1.23;y;	36:24	9886;y;	815;y;	232.660		no
CS	37Cl-2,3,7,8-TCDD	5.38e+07		30:28	1732;y		9.769	7.9 - 12.7	no
Tot	Total Tetra-Furans	2.66e+08	0.77;y;	25:15	2016;y;	188;y;	31.615		no
Tot	Total Tetra-Dioxins	3.22e+08	0.83;y;	26:58	1013;y;	120;y;	54.814		no
Tot	Total Penta-Furans Fn1	2.99e+08	0.65;y;	31:20	7240;y;	1374;y;	42.001		no

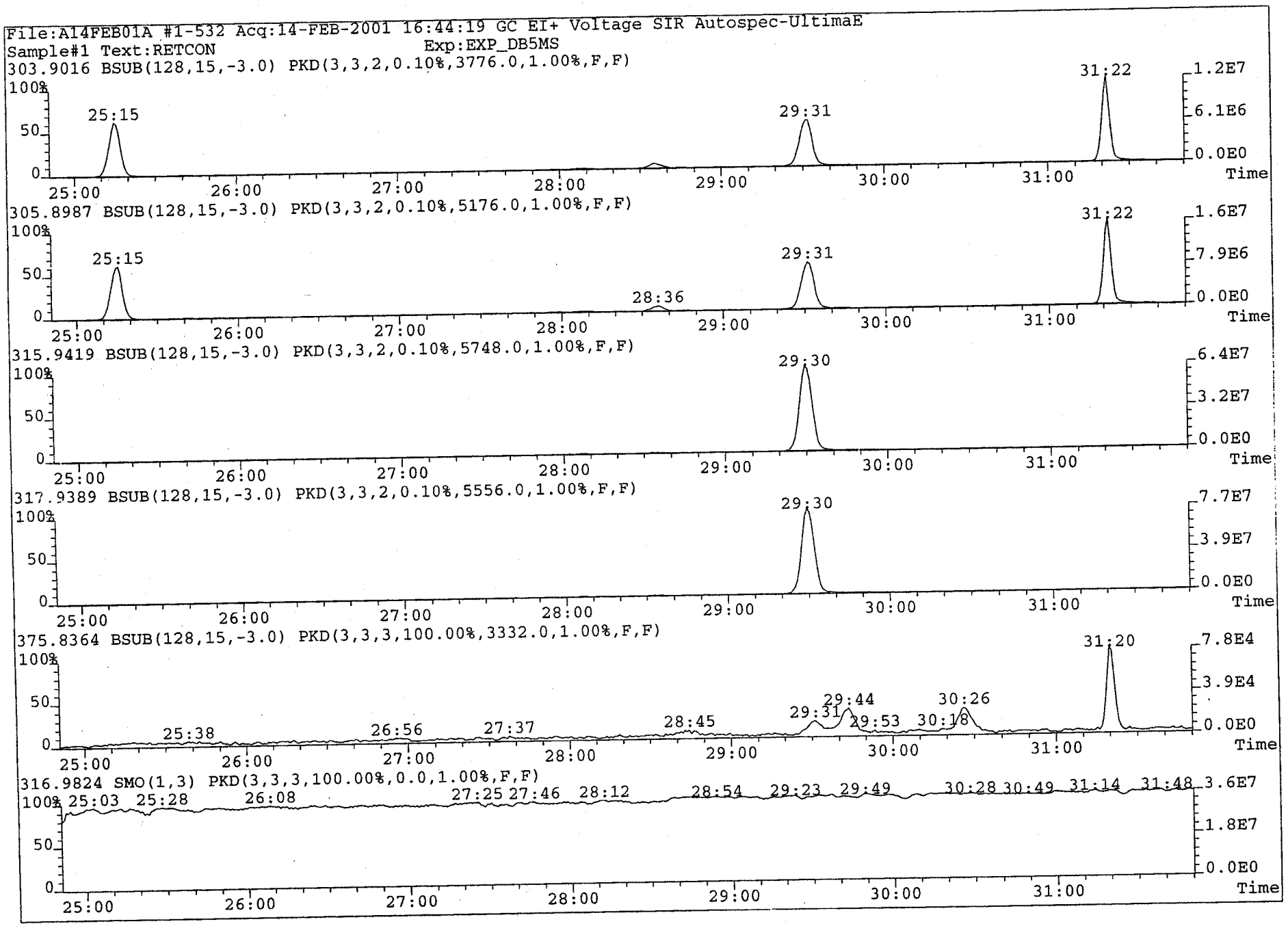

File:A14FEB01A #1-532 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
319.8965 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4592.0,1.00%,F,F)
26:58
29:45
30:07
30:28
31:16
5.9E6
3.0E6
0.0E0
321.8936 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4732.0,1.00%,F,F)
26:58
29:45
30:27
31:16
7.5E6
3.7E6
0.0E0
331.9368 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,8996.0,1.00%,F,F)
29:43
30:26
4.1E7
2.1E7
0.0E0
333.9339 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7288.0,1.00%,F,F)
29:43
30:26
5.2E7
2.6E7
0.0E0
327.8847 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5676.0,1.00%,F,F)
30:27
9.9E6
4.9E6
0.0E0
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:03 25:28 26:08 27:25 27:46 28:12 28:54 29:23 29:49 30:28 30:49 31:14 31:48
3.6E7
1.8E7
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time

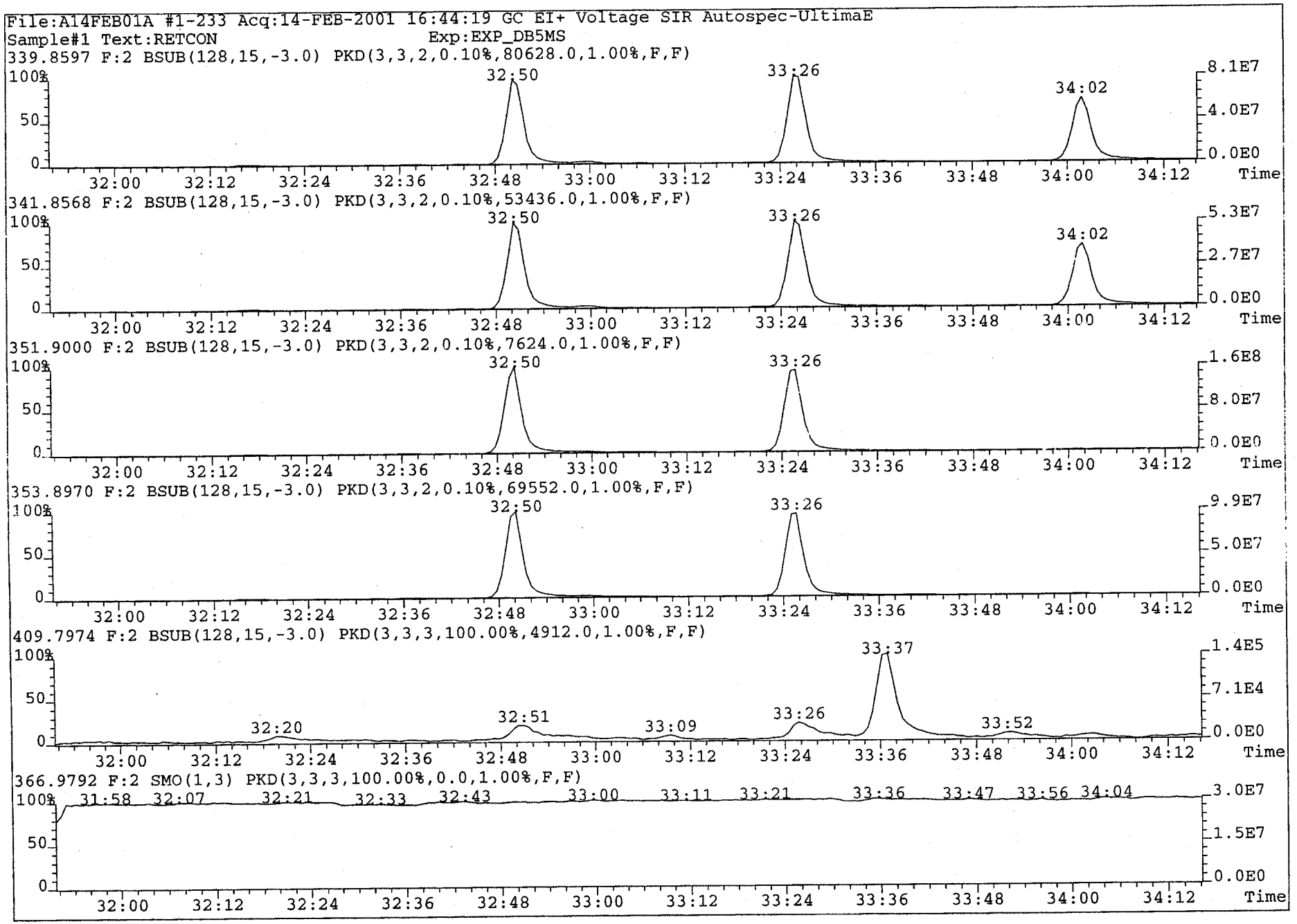

File:A14FEB01A #1-233 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
355.8546 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,13208.0,1.00%,F,F)
32:20
33:38
33:52
5.2E7
2.6E7
0.0E0
357.8517 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2124.0,1.00%,F,F)
32:20
33:38
33:52
3.3E7
1.6E7
0.0E0
367.8949 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,13592.0,1.00%,F,F)
33:36
9.3E7
4.6E7
0.0E0
369.8919 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5004.0,1.00%,F,F)
33:36
5.9E7
3.0E7
0.0E0
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
31:58 32:07 32:21 32:33 32:43 33:00 33:07 33:21 33:36 33:47 33:56 34:04
3.0E7
1.5E7
0.0E0
100%
50
0
32:00 32:12 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12
Time

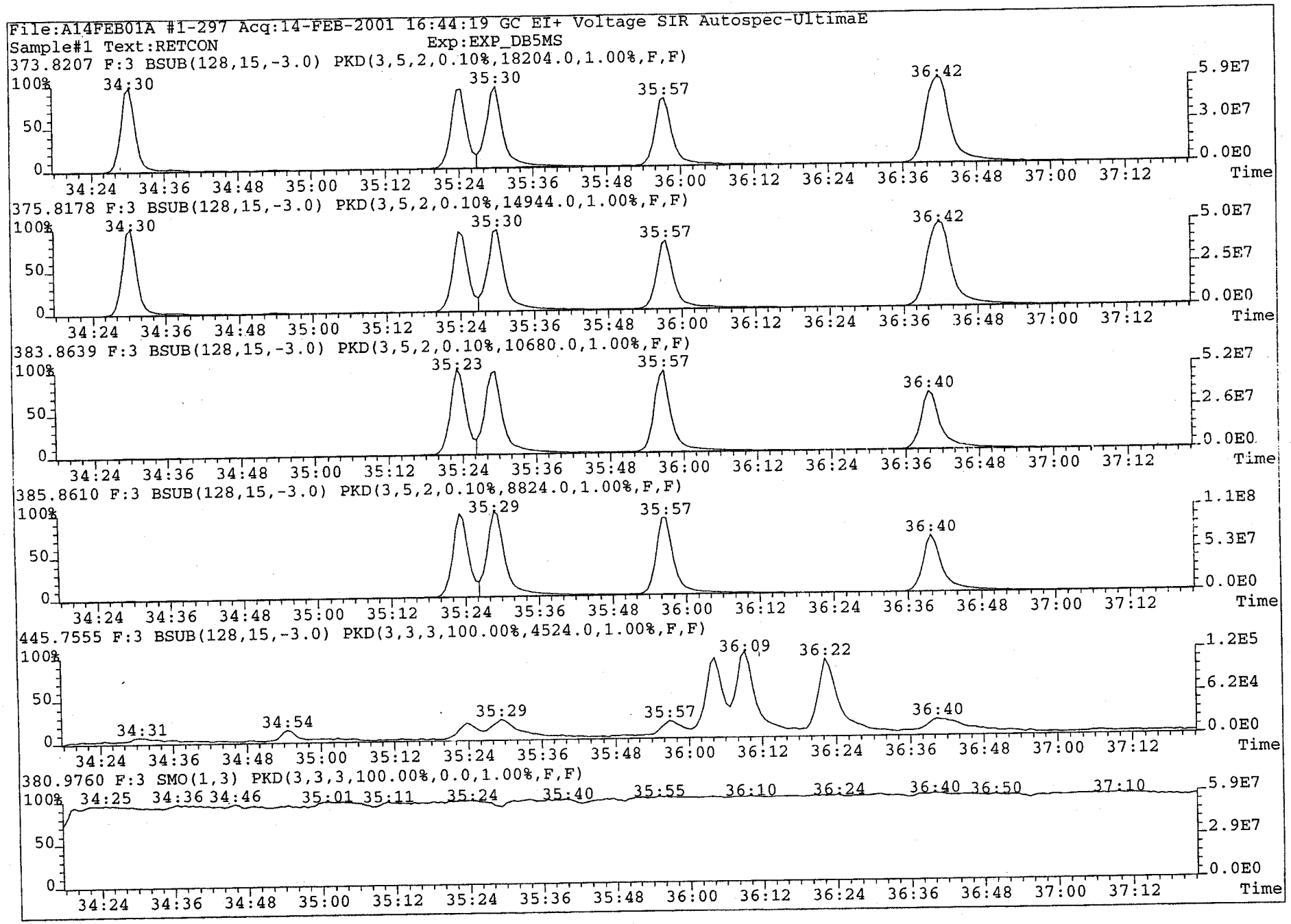

File:A14FEB01A #1-297 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
389.8156 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,13304.0,1.00%,F,F)
34:54
36:04
36:23
4.0E7
2.0E7
0.0E0
391.8127 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,71912.0,1.00%,F,F)
34:54
36:05
36:23
3.5E7
1.7E7
401.8559 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5948.0,1.00%,F,F)
36:09
36:22
6.3E7
3.2E7
403.8530 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5768.0,1.00%,F,F)
36:09
36:22
5.1E7
2.6E7
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:25 34:36 34:46 35:01 35:11 35:24 35:40 35:55 36:10 36:24 36:40 36:50 37:12
5.9E7
2.9E7
100%
50
0
34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12
Time

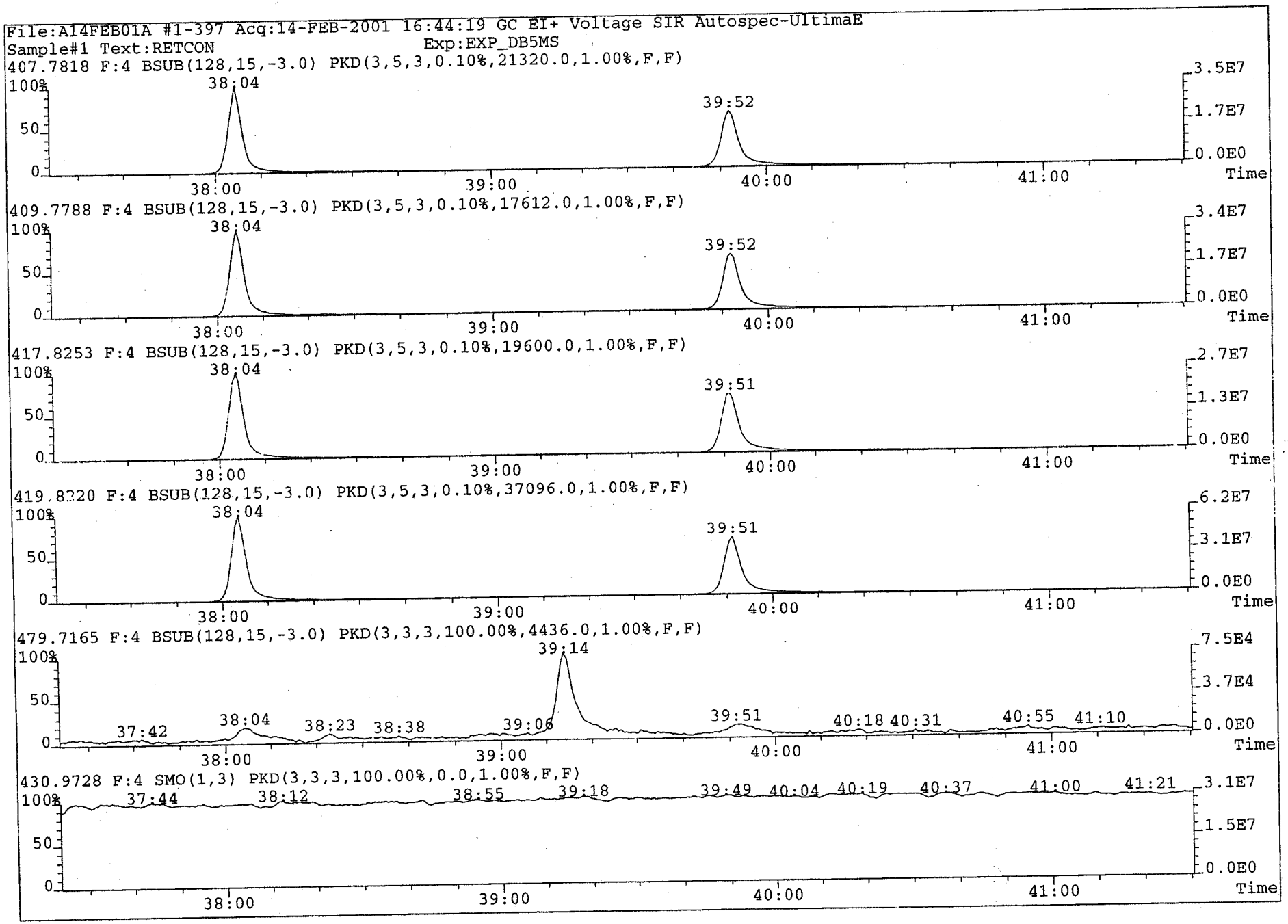

File:A14FEB01A #1-397 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
423.7767 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5740.0,1.00%,F,F)
38:23
39:15
2.2E7
1.1E7
0.0E0
425.7737 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3156.0,1.00%,F,F)
38:23
39:15
2.1E7
1.1E7
0.0E0
435.8169 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5752.0,1.00%,F,F)
39:14
3.5E7
1.8E7
0.0E0
437.8140 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6144.0,1.00%,F,F)
39:14
3.4E7
1.7E7
0.0E0
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:44
38:12
38:55
39:18
39:49
40:12
40:37
41:00
41:21
3.1E7
1.5E7
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

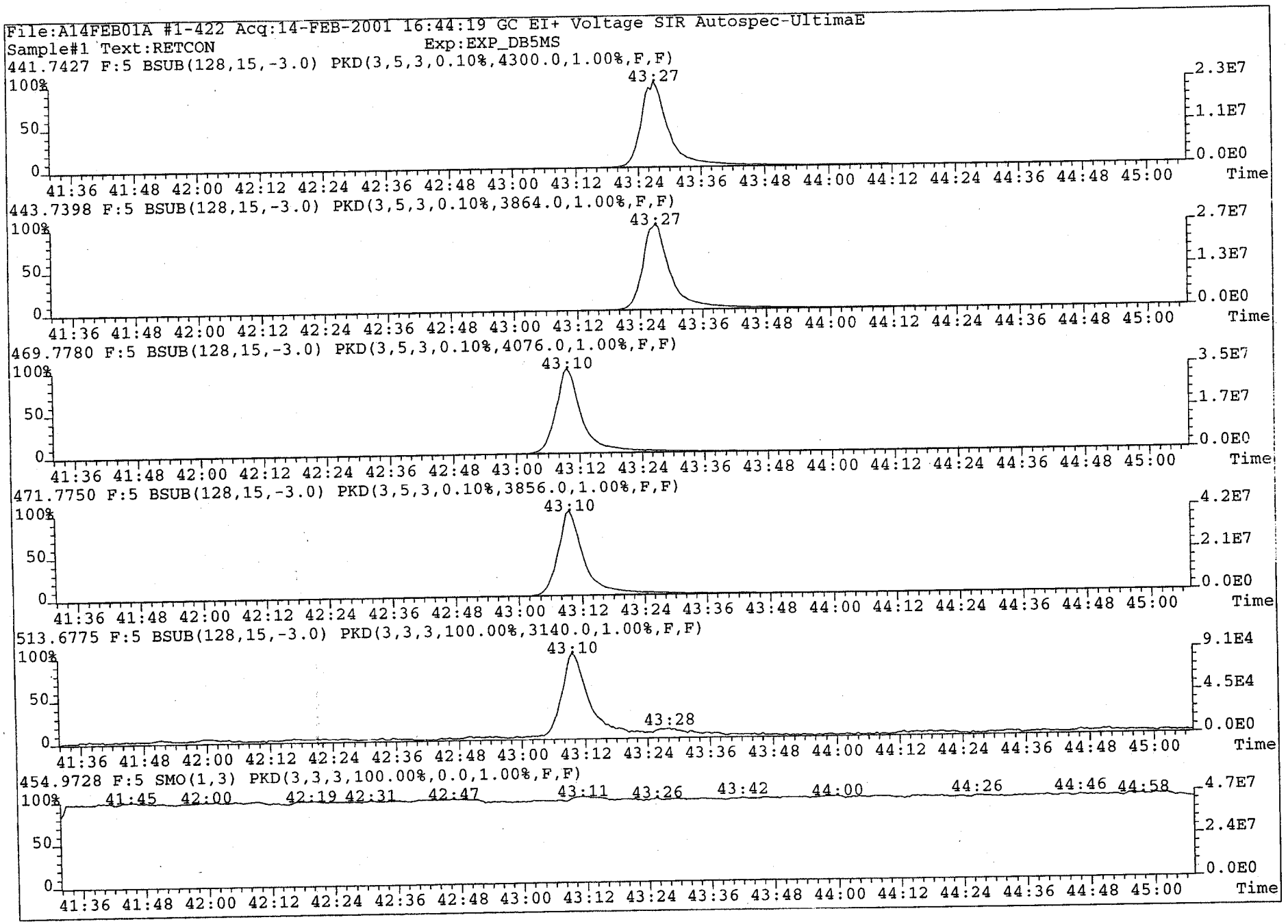

File:A14FEB01A #1-422 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
457.7377 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4984.0,1.00%,F,F)
43:10
2.1E7
1.0E7
0.0E0
459.7348 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4252.0,1.00%,F,F)
43:10
2.4E7
1.2E7
0.0E0
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4076.0,1.00%,F,F)
43:10
3.5E7
1.7E7
0.0E0
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3856.0,1.00%,F,F)
43:10
4.2E7
2.1E7
0.0E0
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:45 42:00 42:19 42:31 42:47 43:11 43:26 43:42 44:00 44:26 44:46 44:58
4.7E7
2.4E7
0.0E0
100%
50
0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time

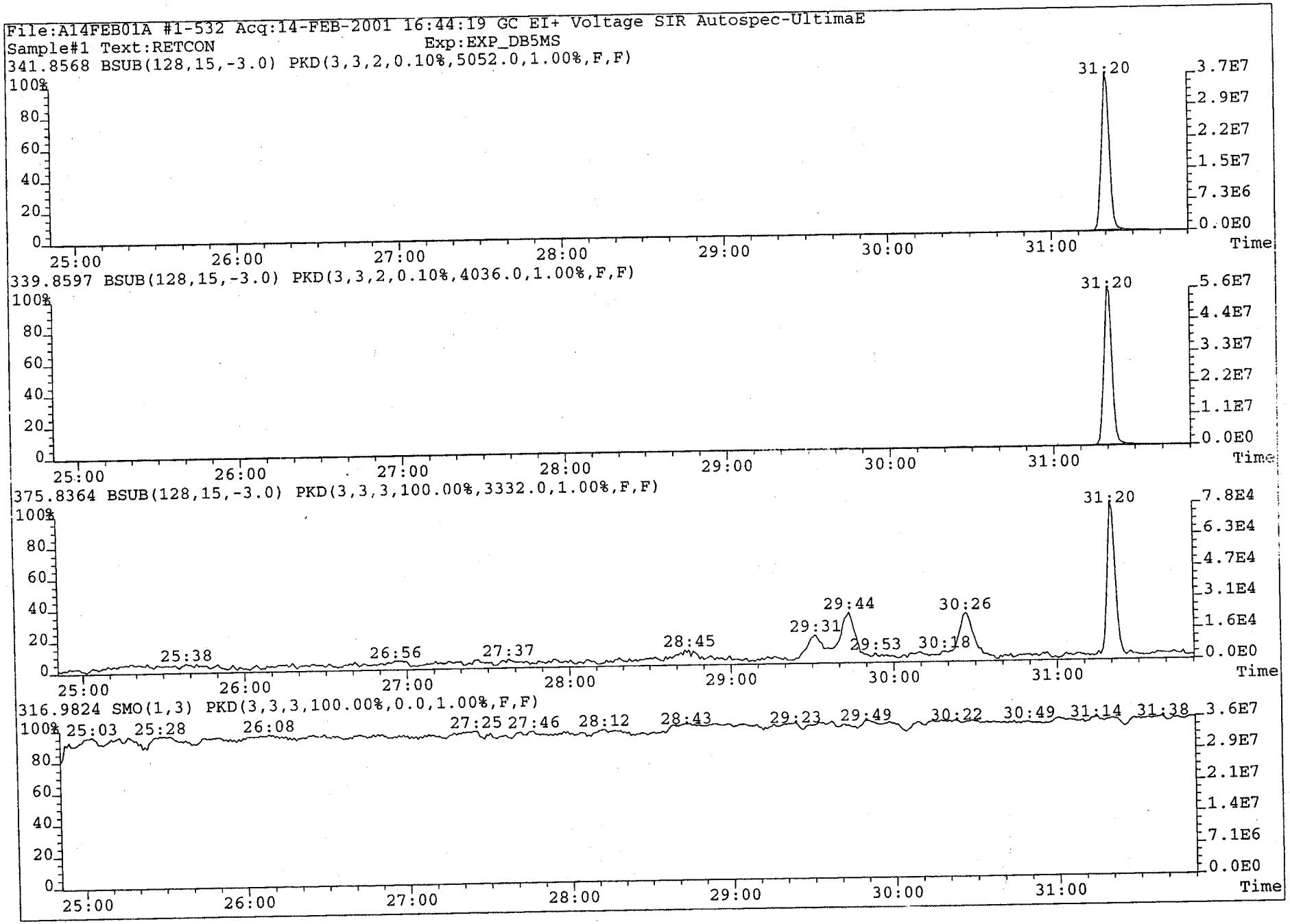

File:A14FEB01A #1-532 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
303.9016 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3776.0,1.00%,F,F)
25:15
29:31
31:22
1.2E7
6.1E6
0.0E0
305.8987 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5176.0,1.00%,F,F)
25:15
28:36
29:31
31:22
1.6E7
7.9E6
0.0E0
315.9419 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5748.0,1.00%,F,F)
29:30
6.4E7
3.2E7
0.0E0
317.9389 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5556.0,1.00%,F,F)
29:30
7.7E7
3.9E7
0.0E0
375.8364 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3332.0,1.00%,F,F)
25:38
26:56
27:37
28:45
29:31
29:44
29:53
30:18
30:26
31:20
7.8E4
3.9E4
0.0E0
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:03
25:28
26:08
27:25
27:46
28:12
28:54
29:23
29:49
30:28
30:49
31:14
31:48
3.6E7
1.8E7
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time


File:A14FEB01A #1-233 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
339.8597 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,80628.0,1.00%,F,F)
32:50
33:26
34:02
8.1E7
4.0E7
0.0E0
341.8568 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,53436.0,1.00%,F,F)
32:50
33:26
34:02
5.3E7
2.7E7
0.0E0
351.9000 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7624.0,1.00%,F,F)
32:50
33:26
1.6E8
8.0E7
0.0E0
353.8970 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,69552.0,1.00%,F,F)
32:50
33:26
9.9E7
5.0E7
0.0E0
409.7974 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4912.0,1.00%,F,F)
32:20
32:51
33:09
33:26
33:37
33:52
1.4E5
7.1E4
0.0E0
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
31:58 32:07 32:21 32:33 32:43 33:00 33:11 33:21 33:36 33:47 33:56 34:04
3.0E7
1.5E7
0.0E0
100%
50
0
32:00 32:12 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12
Time


File:A14FEB01A #1-297 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
373.8207 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,18204.0,1.00%,F,F)
34:30
35:30
35:57
36:42
375.8178 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,14944.0,1.00%,F,F)
34:30
35:30
35:57
36:42
383.8639 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,10680.0,1.00%,F,F)
35:23
35:57
36:40
385.8610 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8824.0,1.00%,F,F)
35:29
35:57
36:40
445.7555 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4524.0,1.00%,F,F)
34:31
34:54
35:29
35:57
36:09
36:22
36:40
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:25 34:36 34:46 35:01 35:11 35:24 35:40 35:55 36:10 36:24 36:40 36:50 37:10
Time


File:A14FEB01A #1-397 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
407.7818 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,21320.0,1.00%,F,F)
38:04
39:52
3.5E7
1.7E7
0.0E0
409.7788 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,17612.0,1.00%,F,F)
38:04
39:52
3.4E7
1.7E7
0.0E0
417.8253 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,19600.0,1.00%,F,F)
38:04
39:51
2.7E7
1.3E7
0.0E0
419.8220 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,37096.0,1.00%,F,F)
38:04
39:51
6.2E7
3.1E7
0.0E0
479.7165 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4436.0,1.00%,F,F)
39:14
37:42
38:04
38:23
38:38
39:06
39:51
40:18
40:31
40:55
41:10
7.5E4
3.7E4
0.0E0
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:44
38:12
38:55
39:18
39:49
40:04
40:19
40:37
41:00
41:21
3.1E7
1.5E7
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time


File:A14FEB01A #1-422 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
441.7427 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4300.0,1.00%,F,F)
43:27
443.7398 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3864.0,1.00%,F,F)
43:27
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4076.0,1.00%,F,F)
43:10
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3856.0,1.00%,F,F)
43:10
513.6775 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3140.0,1.00%,F,F)
43:10
43:28
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:45 42:00 42:19 42:31 42:47 43:11 43:26 43:42 44:00 44:26 44:46 44:58
100%
50
0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time
2.3E7
1.1E7
0.0E0
2.7E7
1.3E7
3.5E7
1.7E7
4.2E7
2.1E7
9.1E4
4.5E4
4.7E7
2.4E7

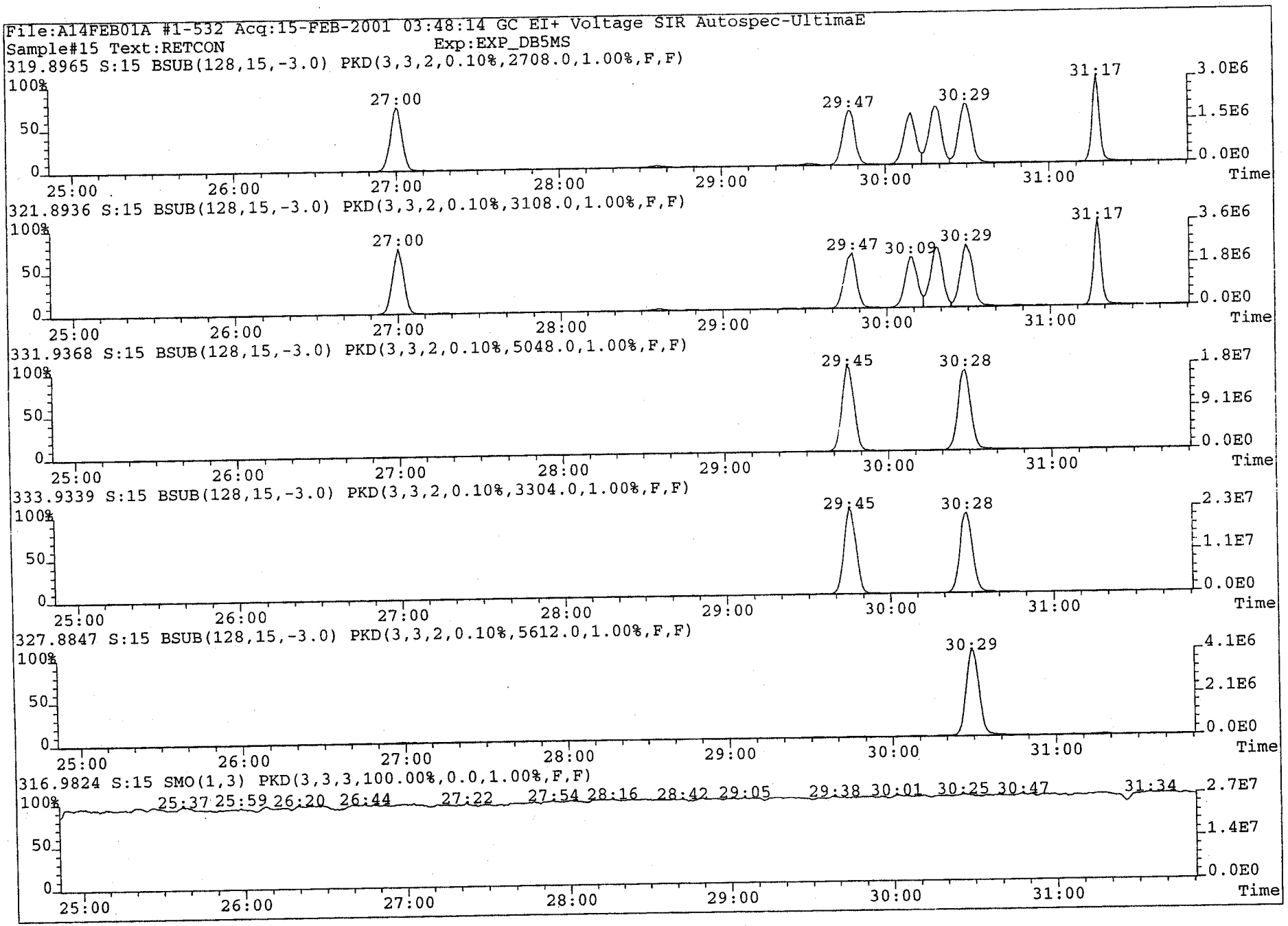

File:A14FEB01A #1-532 Acq:14-FEB-2001 16:44:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
341.8568 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5052.0,1.00%,F,F)
31:20
339.8597 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4036.0,1.00%,F,F)
31:20
375.8364 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3332.0,1.00%,F,F)
31:20
25:38
26:56
27:37
28:45
29:31
29:44
29:53
30:18
30:26
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:03
25:28
26:08
27:25
27:46
28:12
28:43
29:23
29:49
30:22
30:49
31:14
31:38
Time

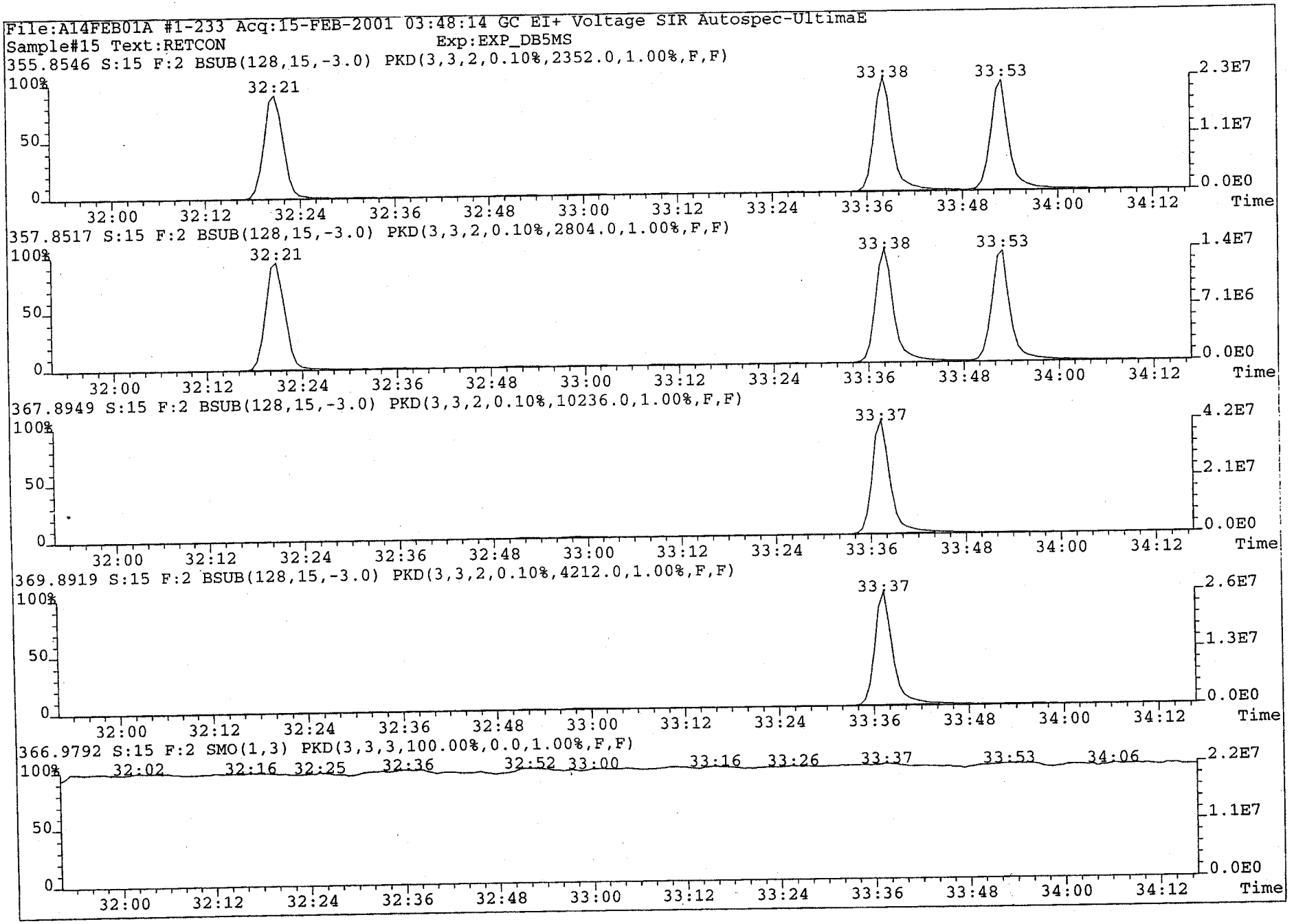
Run #7 Filename a14feb01a S: 15 I: 1 Acquired: 15-FEB-01 03:48:14 Processed: 15-FEB-01 08:08:24
Run: a17may99m Analyte: m8290-020» Cal: m8290-052» Results: Quan : V3.6 31-JUL-1998 10:51:59
Sample text: RETCON Comments: OPUS : V3.6X 31-JUL-1998 11:15:12

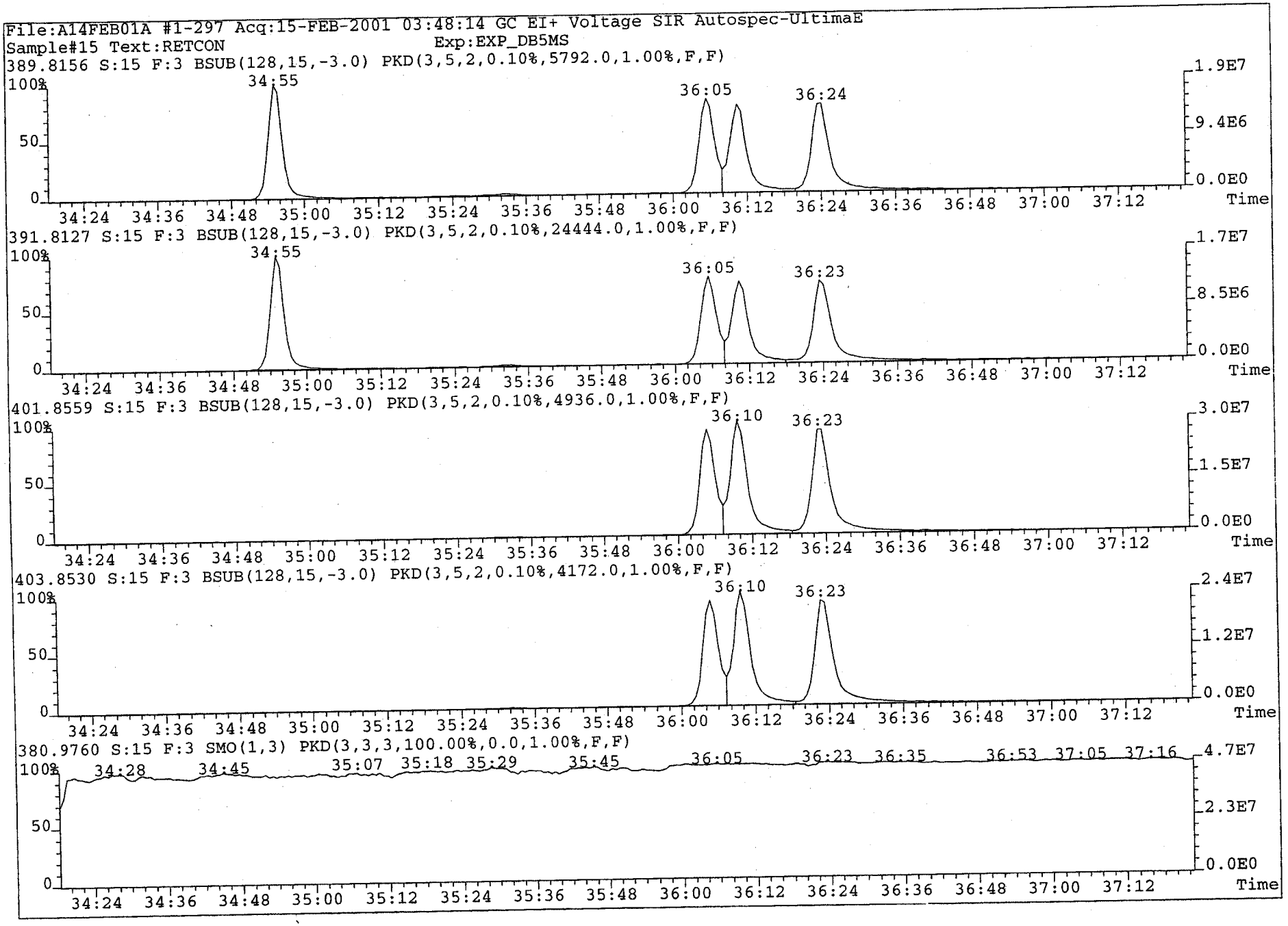
Typ	Name	Resp	RA		RT	Conc	Dev'n	CCAL RRF	ICAL RRF	Mod?
Unk	2,3,7,8-TCDD	2.5e+07	0.80	y	30:29	10.40	4.0	1.2280	1.1810	n
Unk	1,2,3,7,8-PeCDD	9.5e+07	1.55	y	33:38	53.92	7.8	1.1106	1.0298	n
Unk	1,2,3,4,7,8-HxCDD	8.1e+07	1.20	y	36:05	46.23	-7.5	0.9444	1.0214	n
Unk	1,2,3,6,7,8-HxCDD	8.8e+07	1.21	y	36:10	52.58	5.2	1.0213	0.9712	n
Unk	1,2,3,7,8,9-HxCDD	9.5e+07	1.18	y	36:24	51.18	2.4	1.1038	1.0784	n
Unk	1,2,3,4,6,7,8-HpCDD	7.7e+07	1.05	y	39:16	50.89	1.8	1.0245	1.0066	n
Unk	OCDD	1.2e+08	0.88	y	43:12	106.8	6.8	1.1492	1.0759	n
Unk	2,3,7,8-TCDF	3.5e+07	0.77	y	29:33	9.726	-2.7	1.0957	1.1266	n
Unk	1,2,3,7,8-PeCDF	1.5e+08	1.54	y	32:51	49.71	-0.6	1.0488	1.0549	n
Unk	2,3,4,7,8-PeCDF	1.5e+08	1.55	y	33:27	48.87	-2.3	1.0552	1.0795	n
Unk	1,2,3,4,7,8-HxCDF	1.3e+08	1.20	y	35:25	47.44	-5.1	1.0895	1.1483	n
Unk	1,2,3,6,7,8-HxCDF	1.6e+08	1.19	y	35:30	52.90	5.8	1.2743	1.2044	n
Unk	2,3,4,6,7,8-HxCDF	1.3e+08	1.21	y	35:58	48.25	-3.5	1.0439	1.0817	n
Unk	1,2,3,7,8,9-HxCDF	2.3e+08	1.20	y	36:43	94.20	-5.8	0.9280	0.9851	n
Unk	1,2,3,4,6,7,8-HpCDF	1.2e+08	1.00	y	38:05	51.21	2.4	1.4994	1.4641	n
Unk	1,2,3,4,7,8,9-HpCDF	1.0e+08	1.01	y	39:53	50.82	1.6	1.2201	1.2004	n
Unk	OCDF	1.4e+08	0.85	y	43:28	103.4	3.4	1.3630	1.3185	n
ES/RT	13C-2,3,7,8-TCDD	2.0e+08	0.80	y	30:28	93.98	-6.0	0.9973	1.0612	n
ES	13C-1,2,3,7,8-PeCDD	1.7e+08	1.59	y	33:37	94.82	-5.2	0.8481	0.8944	n
ES	13C-1,2,3,6,7,8-HxCDD	1.7e+08	1.25	y	36:10	103.1	3.1	0.9844	0.9544	n
ES	13C-1,2,3,4,6,7,8-HpCDD	1.5e+08	1.03	y	39:15	93.46	-6.5	0.8555	0.9154	n
ES	13C-OCDD	2.1e+08	0.81	y	43:11	169.4	-15.3	0.6035	0.7127	n
ES/RT	13C-2,3,7,8-TCDF	3.2e+08	0.82	y	29:32	104.0	4.0	1.5646	1.5045	n
ES	13C-1,2,3,7,8-PeCDF	2.8e+08	1.58	y	32:51	102.2	2.2	1.4075	1.3771	n
ES	13C-1,2,3,6,7,8-HxCDF	2.5e+08	0.50	y	35:30	105.1	5.1	1.4116	1.3431	n
ES	13C-1,2,3,4,6,7,8-HpCDF	1.7e+08	0.46	y	38:04	95.55	-4.4	0.9493	0.9935	n
JS	13C-1,2,3,4-TCDD	2.0e+08	0.80	y	29:45	99.81	-	-	-	n
JS	13C-1,2,3,7,8,9-HxCDD	1.8e+08	1.25	y	36:23	106.3	-	-	-	n
CS	37Cl-2,3,7,8-TCDD	2.2e+07	1.57	y	30:29	9.209	-7.9	1.0818	1.1747	n
CS	13C-2,3,4,7,8-PeCDF	2.7e+08	1.24	y	33:26	103.3	3.3	1.3476	1.3048	n
CS	13C-1,2,3,4,7,8-HxCDD	1.4e+08	0.50	y	36:05	93.26	-6.7	0.7995	0.8573	n
CS	13C-1,2,3,4,7,8-HxCDF	2.1e+08	0.46	y	35:24	94.29	-5.7	1.1747	1.2458	n
CS	13C-1,2,3,4,7,8,9-HpCDF	1.4e+08			39:52	97.40	-2.6	0.7978	0.8190	n
			1.57	y						
SS	37Cl-2,3,7,8-TCDD	2.2e+07	1.24	y	30:29	9.794	-2.1	1.0847	1.1075	n
SS	13C-2,3,4,7,8-PeCDF	2.7e+08	0.50	y	33:26	101.1	1.1	0.9575	0.9475	n
SS	13C-1,2,3,4,7,8-HxCDD	1.4e+08	0.46	y	36:05	90.44	-9.6	0.8122	0.8980	n
SS	13C-1,2,3,4,7,8-HxCDF	2.1e+08			35:24	89.65	-10.4	0.8322	0.9283	n
SS	13C-1,2,3,4,7,8,9-HpCDF	1.4e+08			39:52	101.9	1.9	0.8404	0.8244	n
DPE	HxCDPE	*			NotFnd	*	-	-	-	n
DPE	HpCDPE	*			NotFnd	*	-	-	-	n

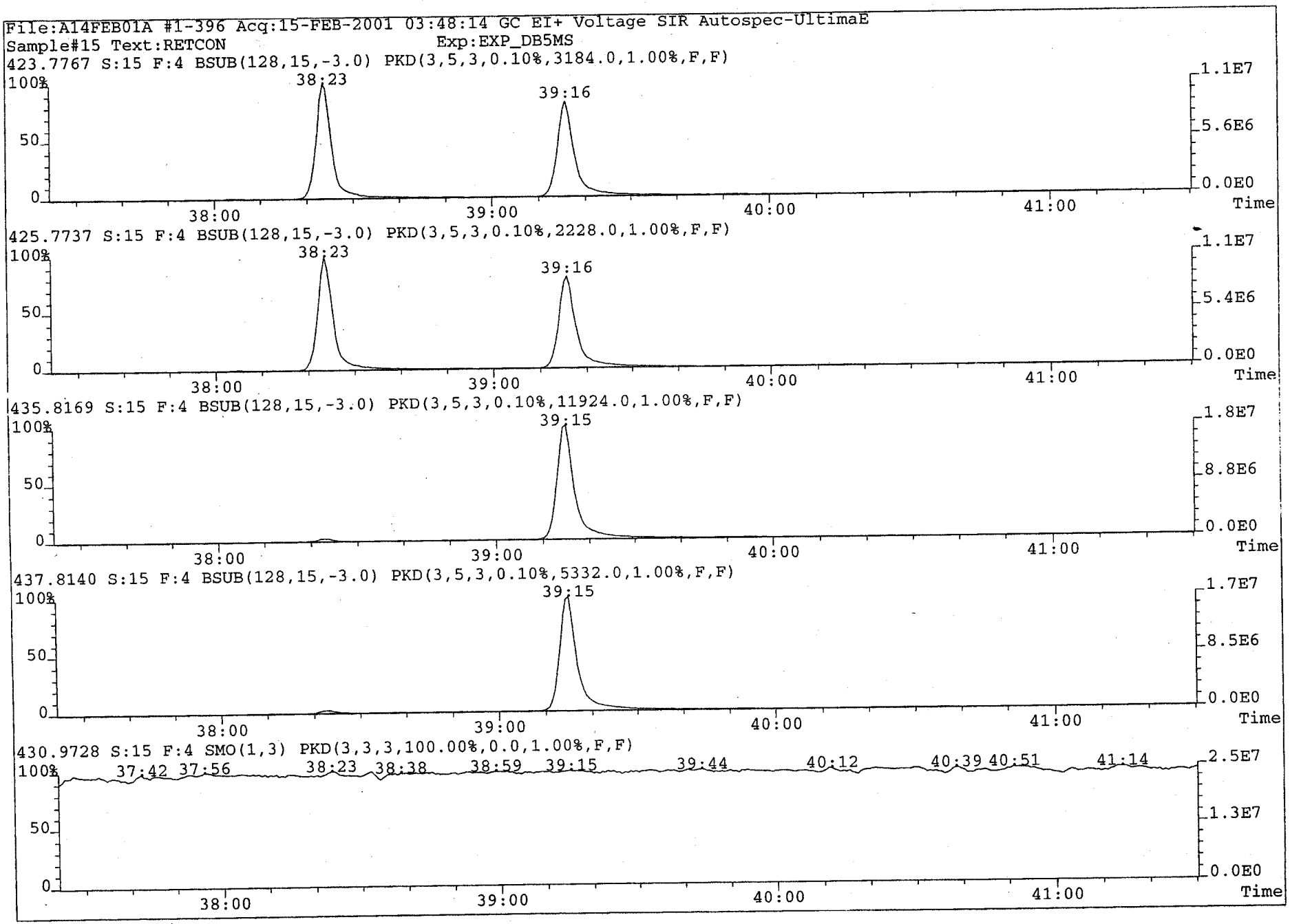
Filename ; a14feb01a
Sample ; 15
Acquired ; 15-FEB-01 03:48:14
Processed ; 15-FEB-01 08:11:21
Sample ID ; RETCON
Cal Table ; m1613-052699m
Results Table ;
Comments ;

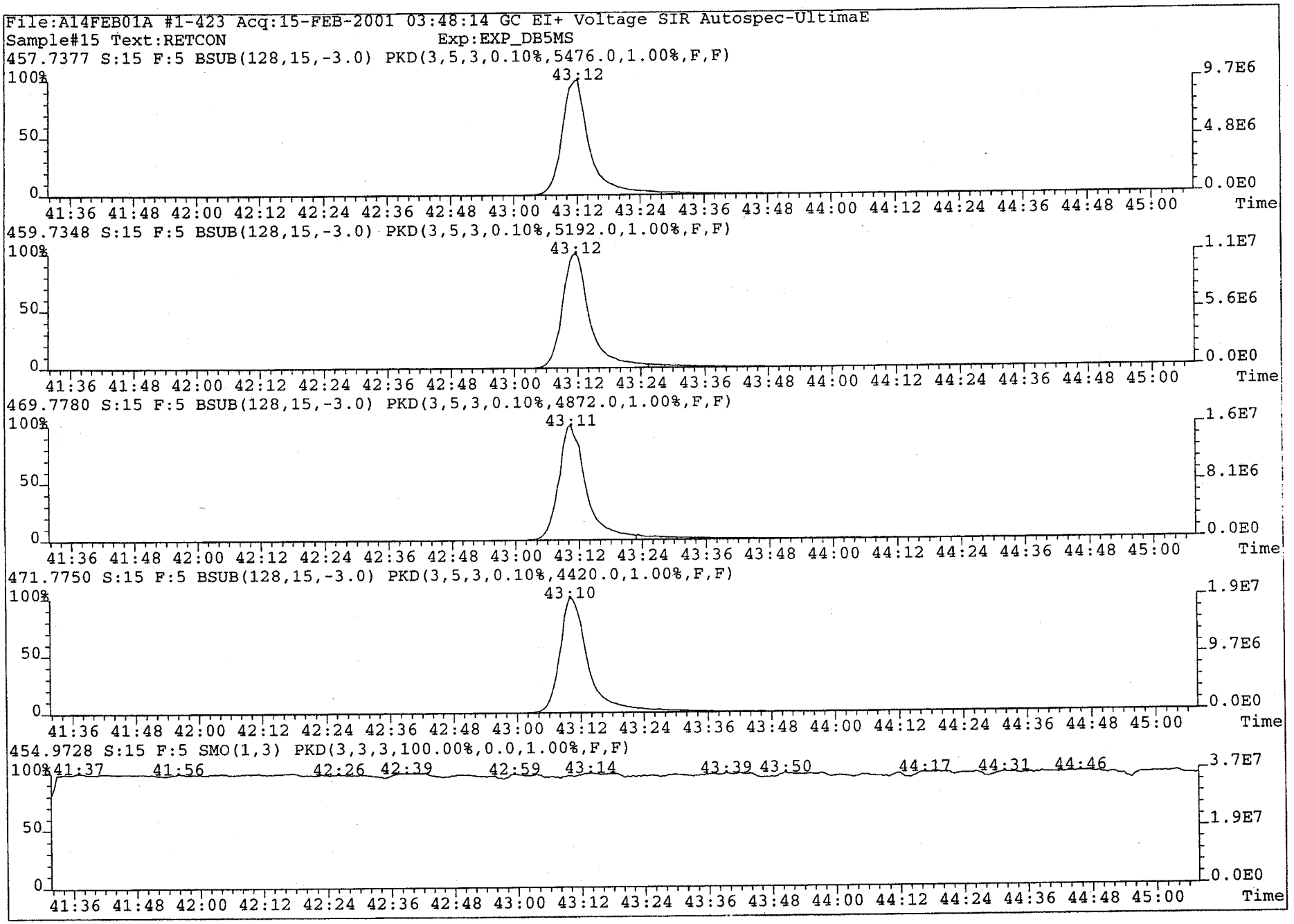
Typ	Name	Resp	RA;?;	RT	S/N1;?;	S/N;?;	Conc	Limits	mod?
Unk	2,3,7,8-TCDD	2.47e+07	0.80;y;	30:30	762;y;	84;y;	10.398	7.8 - 12.9	no
Unk	1,2,3,7,8-PeCDD	9.51e+07	1.55;y;	33:38	9725;y;	509;y;	53.922	39 - 65	no
Unk	1,2,3,4,7,8-HxCDD	8.14e+07	1.20;y;	36:05	2697;y;	53;y;	51.107	39 - 64	no
Unk	1,2,3,6,7,8-HxCDD	8.81e+07	1.21;y;	36:11	2519;y;	50;y;	52.581	39 - 64	no
Unk	1,2,3,7,8,9-HxCDD	9.52e+07	1.18;y;	36:25	2521;y;	50;y;	53.593	41 - 61	no
Unk	1,2,3,4,6,7,8-HpCDD	7.68e+07	1.05;y;	39:16	2930;y;	389;y;	50.888	43 - 58	no
Unk	OCDD	1.22e+08	0.88;y;	43:12	1769;y;	214;y;	106.817	79 - 126	no
Unk	2,3,7,8-TCDF	3.46e+07	0.77;y;	29:33	785;y;	90;y;	9.726	8.4 - 12.0	no
Unk	1,2,3,7,8-PeCDF	1.49e+08	1.54;y;	32:51	1410;y;	107;y;	49.711	41 - 60	no
Unk	2,3,4,7,8-PeCDF	1.50e+08	1.55;y;	33:27	1421;y;	111;y;	48.360	41 - 61	no
Unk	1,2,3,4,7,8-HxCDF	1.35e+08	1.20;y;	35:25	2534;y;	376;y;	52.831	45 - 56	no
Unk	1,2,3,6,7,8-HxCDF	1.58e+08	1.19;y;	35:31	2591;y;	394;y;	52.866	44 - 57	no
Unk	2,3,4,6,7,8-HxCDF	1.29e+08	1.21;y;	35:59	2173;y;	330;y;	52.534	45 - 56	no
Unk	1,2,3,7,8,9-HxCDF	2.30e+08	1.20;y;	36:43	2636;y;	400;y;	102.426	88 - 114	no
Unk	1,2,3,4,6,7,8-HpCDF	1.25e+08	1.00;y;	38:05	2877;y;	165;y;	51.207	45 - 55	no
Unk	1,2,3,4,7,8,9-HpCDF	1.01e+08	1.01;y;	39:54	1946;y;	108;y;	49.849	43 - 58	no
Unk	OCDF	1.44e+08	0.85;y;	43:29	2394;y;	296;y;	103.293	63 - 159	no
ES/RT	13C-2,3,7,8-TCDD	2.01e+08	0.80;y;	30:28	3386;y;	642;y;	93.976	82 - 121	no
ES	13C-1,2,3,7,8-PeCDD	1.71e+08	1.59;y;	33:37	4068;y;	622;y;	94.820	62 - 160	no
ES	13C-1,2,3,4,7,8-HxCDD	1.40e+08	1.24;y;	36:05	5568;y;	525;y;	93.261	85 - 117	no
ES	13C-1,2,3,6,7,8-HxCDD	1.72e+08	1.25;y;	36:10	5983;y;	567;y;	103.142	85 - 118	no
ES	13C-1,2,3,4,6,7,8-HpCDD	1.50e+08	1.03;y;	39:16	1473;y;	320;y;	93.459	72 - 138	no
ES	13C-OCDD	2.11e+08	0.81;y;	43:11	3317;y;	436;y;	169.354	96 - 415	no
ES/RT	13C-2,3,7,8-TCDF	3.16e+08	0.82;y;	29:32	9445;y;	737;y;	103.994	71 - 140	no
ES	13C-1,2,3,7,8-PeCDF	2.84e+08	1.58;y;	32:51	1811;y;	1148;y;	102.210	76 - 130	no
ES	13C-2,3,4,7,8-PeCDF	2.72e+08	1.57;y;	33:26	1638;y;	1054;y;	103.280	77 - 130	no
ES	13C-1,2,3,4,7,8-HxCDF	2.06e+08	0.50;y;	35:24	2656;y;	755;y;	94.292	76 - 131	no
ES	13C-1,2,3,6,7,8-HxCDF	2.47e+08	0.50;y;	35:30	2970;y;	812;y;	105.094	70 - 143	no
ES	13C-2,3,4,6,7,8-HxCDF	2.13e+08	0.50;y;	35:58	2502;y;	730;y;	96.593	73 - 137	no
ES	13C-1,2,3,7,8,9-HxCDF	1.76e+08	0.51;y;	36:41	1770;y;	496;y;	96.687	74 - 135	no
ES	13C-1,2,3,4,6,7,8-HpCDF	1.66e+08	0.46;y;	38:05	1070;y;	256;y;	95.554	78 - 129	no
ES	13C-1,2,3,4,7,8,9-HpCDF	1.40e+08	0.46;y;	39:53	738;y;	182;y;	97.402	77 - 129	no
JS	13C-1,2,3,4-TCDD	2.02e+08	0.80;y;	29:45	3604;y;	684;y;	99.808		no
JS	13C-1,2,3,7,8,9-HxCDD	1.75e+08	1.25;y;	36:24	5508;y;	518;y;	106.331		no
CS	37Cl-2,3,7,8-TCDD	2.18e+07		30:30	730;y		9.209	7.9 - 12.7	no
Tot	Total Tetra-Furans	1.18e+08	0.75;y;	25:17	931;y;	108;y;	33.153		no
Tot	Total Tetra-Dioxins	1.35e+08	0.81;y;	27:00	805;y;	88;y;	56.777		no
Tot	Total Penta-Furans Fn1	1.29e+08	0.66;y;	31:21	5100;y;	837;y;	42.398		no

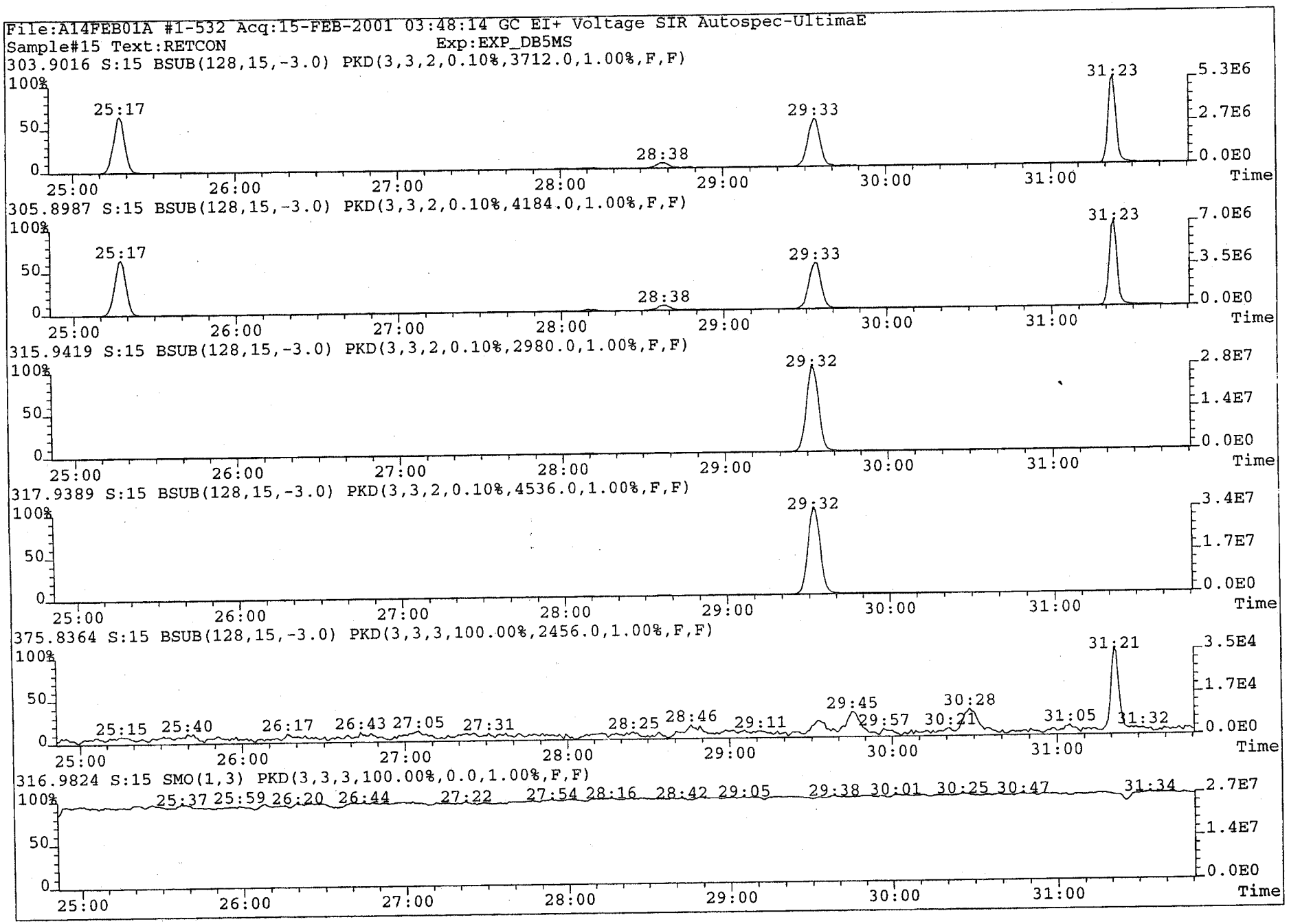

File:A14FEB01A #1-532 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
319.8965 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2708.0,1.00%,F,F)
27:00
29:47
30:29
31:17
3.0E6
1.5E6
0.0E0
321.8936 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3108.0,1.00%,F,F)
27:00
29:47
30:09
30:29
31:17
3.6E6
1.8E6
0.0E0
331.9368 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5048.0,1.00%,F,F)
29:45
30:28
1.8E7
9.1E6
0.0E0
333.9339 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3304.0,1.00%,F,F)
29:45
30:28
2.3E7
1.1E7
0.0E0
327.8847 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5612.0,1.00%,F,F)
30:29
4.1E6
2.1E6
0.0E0
316.9824 S:15 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:37 25:59 26:20 26:44 27:22 27:54 28:16 28:42 29:05 29:38 30:01 30:25 30:47 31:34
2.7E7
1.4E7
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time

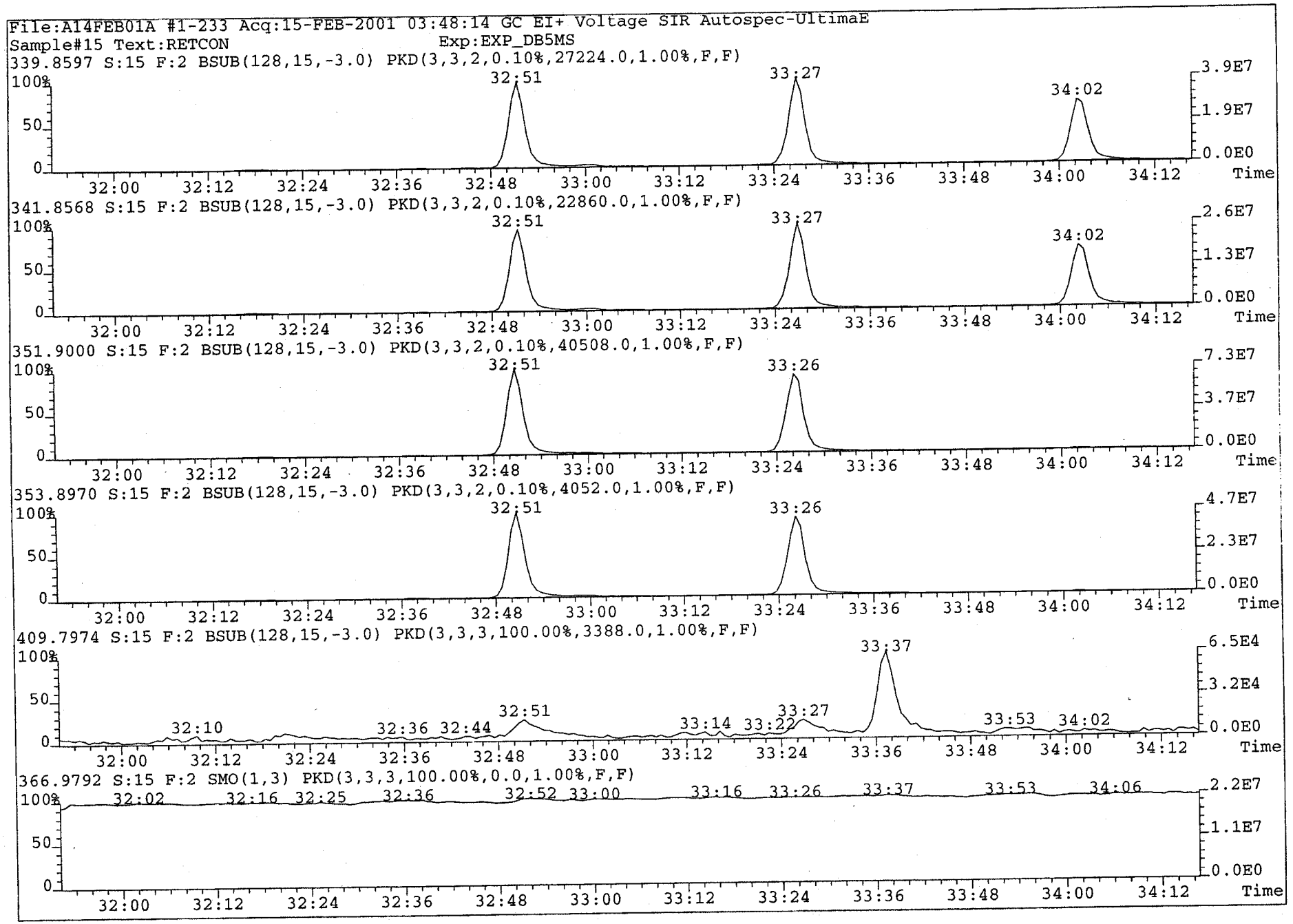

File:A14FEB01A #1-233 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
355.8546 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2352.0,1.00%,F,F)
32:21
33:38
33:53
2.3E7
1.1E7
0.0E0
357.8517 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2804.0,1.00%,F,F)
1.4E7
7.1E6
367.8949 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,10236.0,1.00%,F,F)
33:37
4.2E7
2.1E7
369.8919 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4212.0,1.00%,F,F)
2.6E7
1.3E7
366.9792 S:15 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:02
32:16
32:25
32:36
32:52
33:00
33:16
33:26
33:37
33:53
34:06
2.2E7
1.1E7
100%
50
0
32:00
32:12
32:24
32:36
32:48
33:00
33:12
33:24
33:36
33:48
34:00
34:12
Time

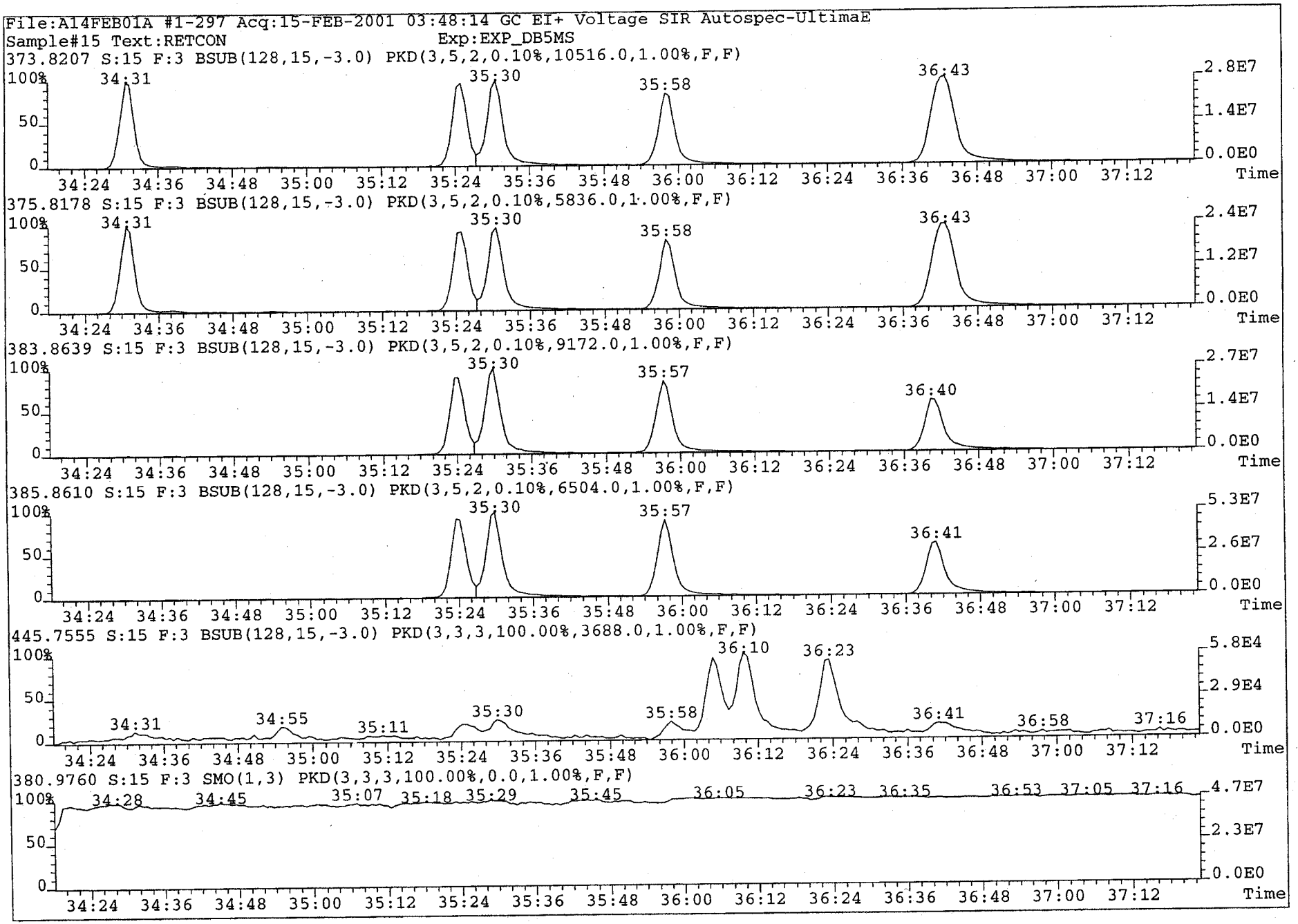

File:A14FEB01A #1-297 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
389.8156 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5792.0,1.00%,F,F)
34:55
36:05
36:24
1.9E7
9.4E6
0.0E0
391.8127 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,24444.0,1.00%,F,F)
34:55
36:05
36:23
1.7E7
8.5E6
0.0E0
401.8559 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4936.0,1.00%,F,F)
36:10
36:23
3.0E7
1.5E7
0.0E0
403.8530 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4172.0,1.00%,F,F)
36:10
36:23
2.4E7
1.2E7
0.0E0
380.9760 S:15 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:28
34:45
35:07
35:18
35:29
35:45
36:05
36:23
36:35
36:53
37:05
37:16
4.7E7
2.3E7
0.0E0
100%
50
0
34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12
Time

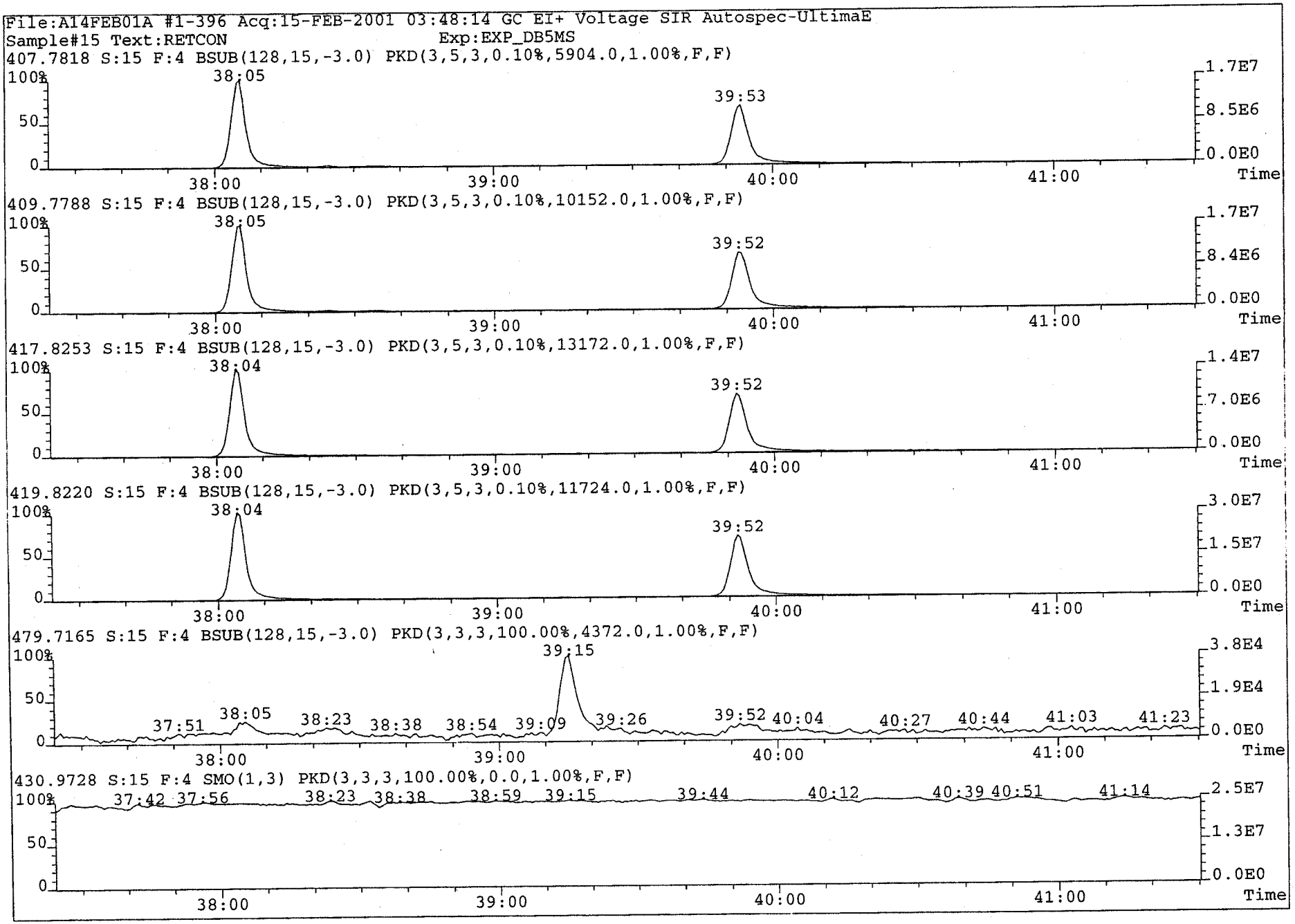

File:A14FEB01A #1-396 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
423.7767 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3184.0,1.00%,F,F)
38:23
39:16
1.1E7
5.6E6
0.0E0
425.7737 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2228.0,1.00%,F,F)
38:23
39:16
1.1E7
5.4E6
0.0E0
435.8169 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,11924.0,1.00%,F,F)
39:15
1.8E7
8.8E6
0.0E0
437.8140 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5332.0,1.00%,F,F)
39:15
1.7E7
8.5E6
0.0E0
430.9728 S:15 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:42 37:56 38:23 38:38 38:59 39:15 39:44 40:12 40:39 40:51 41:14
2.5E7
1.3E7
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

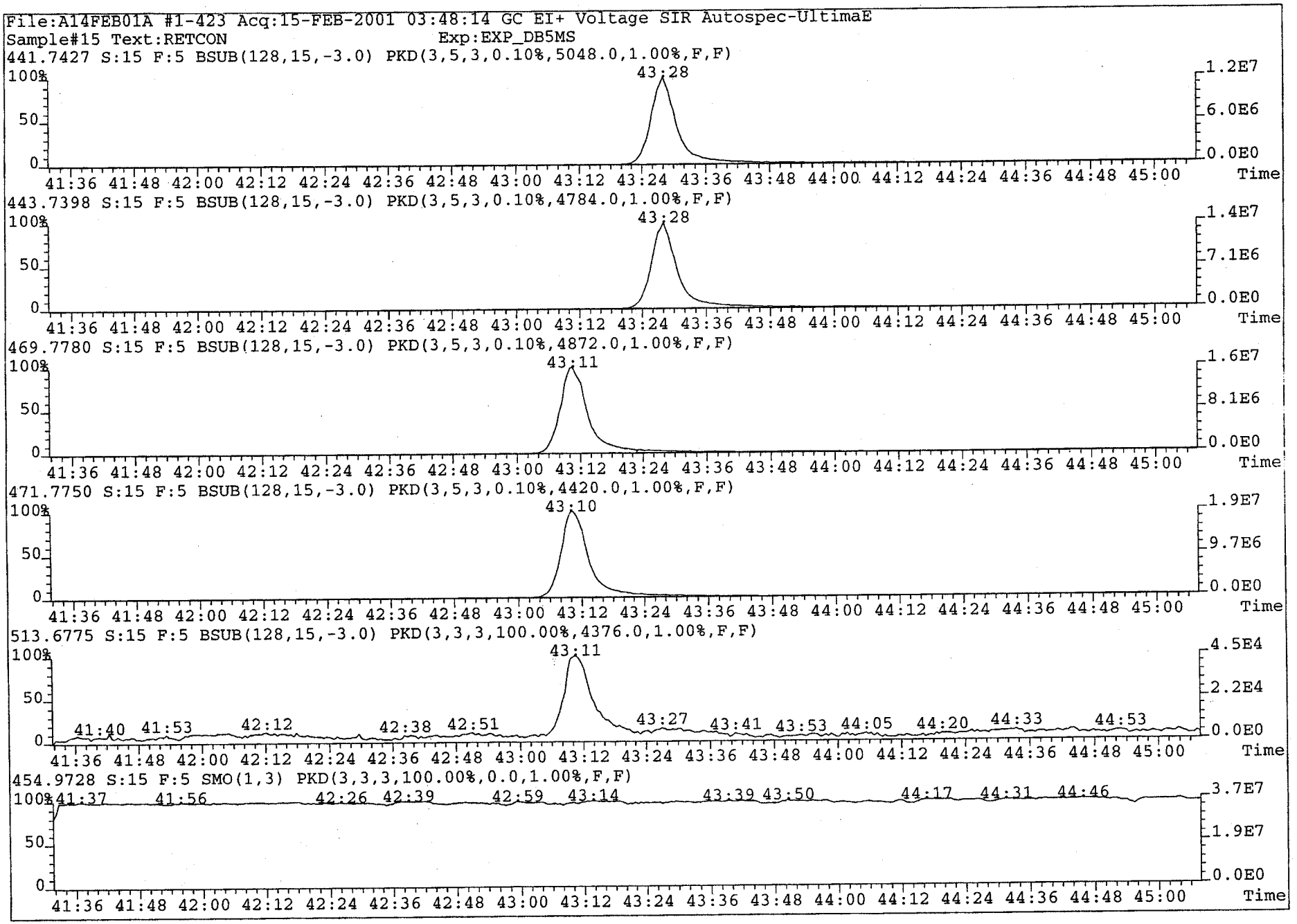

File:A14FEB01A #1-423 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
457.7377 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5476.0,1.00%,F,F)
43:12
9.7E6
4.8E6
0.0E0
459.7348 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5192.0,1.00%,F,F)
43:12
1.1E7
5.6E6
0.0E0
469.7780 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4872.0,1.00%,F,F)
43:11
1.6E7
8.1E6
0.0E0
471.7750 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4420.0,1.00%,F,F)
43:10
1.9E7
9.7E6
0.0E0
454.9728 S:15 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:37 41:56 42:26 42:39 42:59 43:14 43:39 43:50 44:17 44:31 44:46
3.7E7
1.9E7
0.0E0
100%
50
0
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time

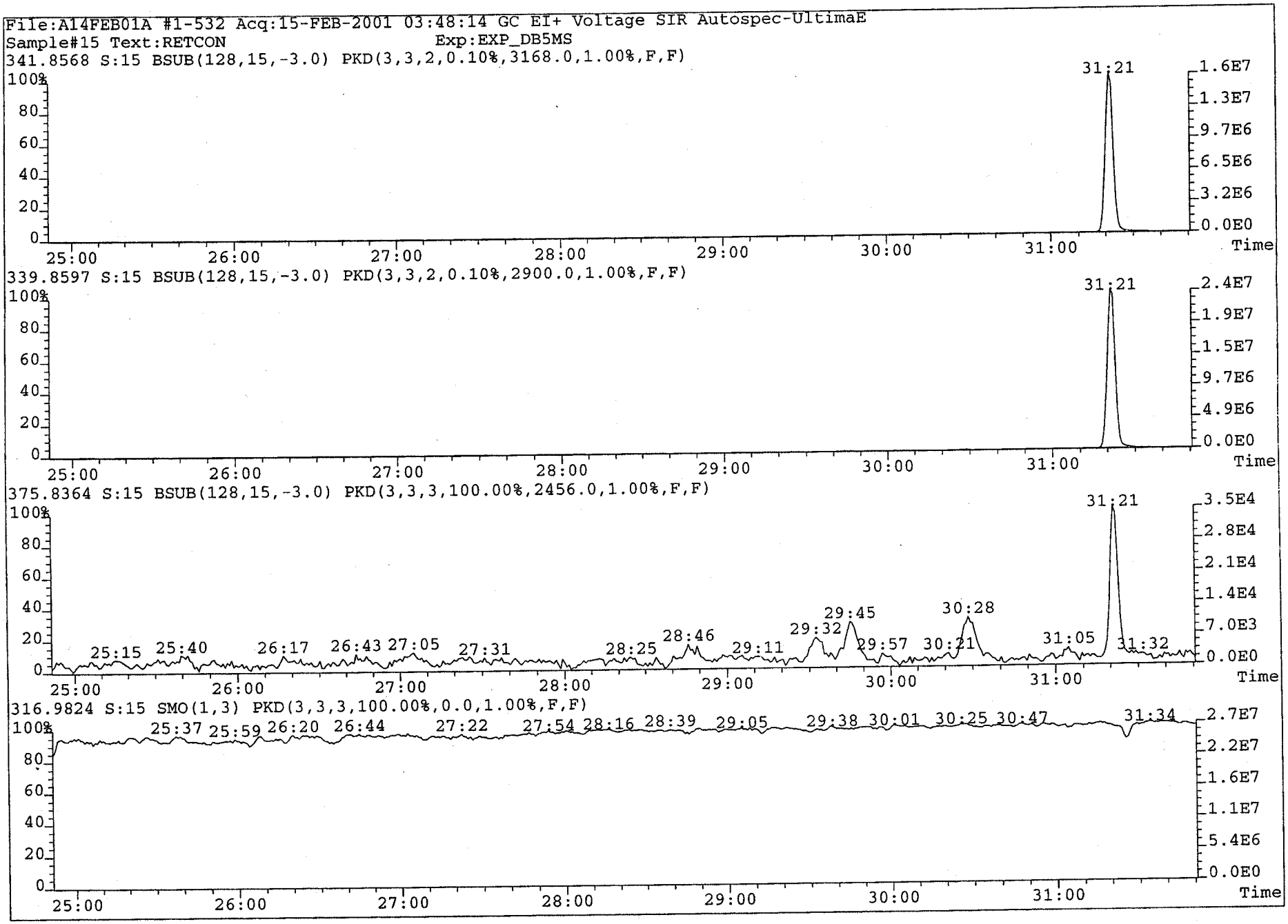

File:A14FEB01A #1-532 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
303.9016 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3712.0,1.00%,F,F)
25:17
28:38
29:33
31:23
5.3E6
2.7E6
0.0E0
305.8987 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4184.0,1.00%,F,F)
7.0E6
3.5E6
315.9419 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2980.0,1.00%,F,F)
29:32
2.8E7
1.4E7
317.9389 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4536.0,1.00%,F,F)
3.4E7
1.7E7
375.8364 S:15 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2456.0,1.00%,F,F)
25:15 25:40 26:17 26:43 27:05 27:31 28:25 28:46 29:11 29:45 29:57 30:28 30:41 31:05 31:21 31:32
3.5E4
1.7E4
0.0E0
316.9824 S:15 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:37 25:59 26:20 26:44 27:22 27:54 28:16 28:42 29:05 29:38 30:01 30:25 30:47 31:34
2.7E7
1.4E7
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time


File:A14FEB01A #1-233 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
339.8597 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,27224.0,1.00%,F,F)
32:51
33:27
34:02
3.9E7
1.9E7
0.0E0
341.8568 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,22860.0,1.00%,F,F)
32:51
33:27
34:02
2.6E7
1.3E7
0.0E0
351.9000 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,40508.0,1.00%,F,F)
32:51
33:26
7.3E7
3.7E7
0.0E0
353.8970 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4052.0,1.00%,F,F)
32:51
33:26
4.7E7
2.3E7
0.0E0
409.7974 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3388.0,1.00%,F,F)
33:37
32:10
32:36 32:44
32:51
33:14 33:22
33:27
33:53
34:02
6.5E4
3.2E4
0.0E0
366.9792 S:15 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:02
32:16 32:25
32:36
32:52 33:00
33:16
33:26
33:37
33:53
34:06
2.2E7
1.1E7
0.0E0
100%
50
0
32:00
32:12
32:24
32:36
32:48
33:00
33:12
33:24
33:36
33:48
34:00
34:12
Time


File:A14FEB01A #1-297 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
373.8207 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,10516.0,1.00%,F,F)
34:31
35:30
35:58
36:43
2.8E7
1.4E7
0.0E0
375.8178 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5836.0,1.00%,F,F)
34:31
35:30
35:58
36:43
2.4E7
1.2E7
0.0E0
383.8639 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,9172.0,1.00%,F,F)
35:30
35:57
36:40
2.7E7
1.4E7
0.0E0
385.8610 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6504.0,1.00%,F,F)
35:30
35:57
36:41
5.3E7
2.6E7
0.0E0
445.7555 S:15 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3688.0,1.00%,F,F)
34:31
34:55
35:11
35:30
35:58
36:10
36:23
36:41
36:58
37:16
5.8E4
2.9E4
0.0E0
380.9760 S:15 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:28
34:45
35:07
35:18
35:29
35:45
36:05
36:23
36:35
36:53
37:05
37:16
4.7E7
2.3E7
0.0E0
100%
50
0
34:24
34:36
34:48
35:00
35:12
35:24
35:36
35:48
36:00
36:12
36:24
36:36
36:48
37:00
37:12
Time


File:A14FEB01A #1-396 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
407.7818 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5904.0,1.00%,F,F)
38:05
39:53
1.7E7
8.5E6
0.0E0
409.7788 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,10152.0,1.00%,F,F)
38:05
39:52
1.7E7
8.4E6
0.0E0
417.8253 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,13172.0,1.00%,F,F)
38:04
39:52
1.4E7
7.0E6
0.0E0
419.8220 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,11724.0,1.00%,F,F)
38:04
39:52
3.0E7
1.5E7
0.0E0
479.7165 S:15 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4372.0,1.00%,F,F)
39:15
37:51 38:05 38:23 38:38 38:54 39:09 39:26 39:52 40:04 40:27 40:44 41:03 41:23
3.8E4
1.9E4
0.0E0
430.9728 S:15 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:42 37:56 38:23 38:38 38:59 39:15 39:44 40:12 40:39 40:51 41:14
2.5E7
1.3E7
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time


File:A14FEB01A #1-423 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
441.7427 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5048.0,1.00%,F,F)
43:28
443.7398 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4784.0,1.00%,F,F)
43:28
469.7780 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4872.0,1.00%,F,F)
43:11
471.7750 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4420.0,1.00%,F,F)
43:10
513.6775 S:15 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4376.0,1.00%,F,F)
43:11
41:40 41:53 42:12 42:38 42:51 43:27 43:41 43:53 44:05 44:20 44:33 44:53
454.9728 S:15 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:37 41:56 42:26 42:39 42:59 43:14 43:39 43:50 44:17 44:31 44:46
100%
50
0
1.2E7
6.0E6
0.0E0
1.4E7
7.1E6
1.6E7
8.1E6
1.9E7
9.7E6
4.5E4
2.2E4
3.7E7
1.9E7
41:36 41:48 42:00 42:12 42:24 42:36 42:48 43:00 43:12 43:24 43:36 43:48 44:00 44:12 44:24 44:36 44:48 45:00
Time


File:A14FEB01A #1-532 Acq:15-FEB-2001 03:48:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
341.8568 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3168.0,1.00%,F,F)
339.8597 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2900.0,1.00%,F,F)
375.8364 S:15 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2456.0,1.00%,F,F)
316.9824 S:15 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Injection Prep Log

	Sample ID	IJ STD Lot#	IJ Amt (µL)	IJ Conc. (ng/µL)	Final Vol.* (µL)	Analyst (initials)	Date	Comments
1	WG5267-2 ✓	S08-194A	20	0.1	20	HMP	14Feb01	
2	WG5267-1 ✓							
3	WG5269-2 ✓							
4	WG5269-1 ✓							
5	14373R ✓							
6	14374R ✓							
7	14375R ✓							
8	14377R ✓							
9	13888R ✓							
10	13889R ✓							
11	14698 ✓							
12	14699 ✓							
13	14700 ✓							
14	14701 ✓							
15	14702 ✓							
16	14703 ✓							
17	14704 ✓							
18	14705 ✓	↓	↓	↓	↓	↓	↓	
19								
20					HMP	14Feb01		

DC17.021800.1

* = to be entered in the Prep table.

Logbook: 4 Page: 133