PARADIGM ANALYTICAL LABORATORIES, INC.
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Monday, February 26, 2001

Carmen Johnson (cj)

Scanned by | Date 9/20/12 | 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:	**4 Well Water**
Your Project Number:	**E096-07-5.0040**
PAL Project No.:	**G129-362**

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

Christopher K. Cornwell
Assistant Director

PARADIGM ANALYTICAL LABORATORIES, INC.

Case Narrative
Paradigm Project **G129-362**

Client Project No.:	E096-07-5.0040
Client Project Name:	E096-07-5.0040
No. of Samples Received:	4 Well Water
No. of Samples Analyzed:	4
Method:	1613
No. of LMBs:	1
No. of OPRs:	1

- Data meet QA/QC requirements.

W.M. Larkins
Technical Director

February 26, 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 WG5277-1	LF-10 14708	UpStream 14709	DnStream 14710	DnStream/02 14711
2,3,7,8-TCDD	(0.0019)	(0.0020)	(0.0022)	(0.0014)	(0.0030)
1,2,3,7,8-PeCDD	(0.0013)	(0.0012)	(0.0015)	(0.0009)	(0.0021)
1,2,3,4,7,8-HxCDD	(0.0014)	(0.0018)	(0.0017)	(0.0018)	(0.0020)
1,2,3,6,7,8-HxCDD	(0.0013)	(0.0017)	(0.0017)	(0.0018)	(0.0020)
1,2,3,7,8,9-HxCDD	(0.0012)	(0.0016)	(0.0016)	(0.0017)	(0.0018)
1,2,3,4,6,7,8-HpCDD	(0.0031)	0.0451	(0.0022)	0.0082	[0.00737]
OCDD	0.0114	1.05	0.0181	0.0632	0.0715
2,3,7,8-TCDF	(0.0012)	(0.0012)	(0.0015)	(0.0009)	(0.0022)
1,2,3,7,8-PeCDF	0.0009	(0.0007)	(0.0010)	(0.0006)	(0.0010)
2,3,4,7,8-PeCDF	0.0010	(0.0007)	(0.0009)	(0.0007)	(0.0010)
1,2,3,4,7,8-HxCDF	[0.00088]	(0.0010)	(0.0009)	(0.0009)	(0.0013)
1,2,3,6,7,8-HxCDF	0.0008	(0.0010)	(0.0009)	(0.0009)	(0.0013)
2,3,4,6,7,8-HxCDF	[0.00108]	(0.0011)	(0.0010)	(0.0011)	(0.0015)
1,2,3,7,8,9-HxCDF	0.0016	(0.0014)	(0.0012)	(0.0013)	(0.0017)
1,2,3,4,6,7,8-HpCDF	(0.0013)	(0.0014)	(0.0011)	0.0018	(0.0010)
1,2,3,4,7,8,9-HpCDF	(0.0020)	(0.0021)	(0.0016)	(0.0016)	(0.0014)
OCDF	(0.0023)	[0.00284]	(0.0027)	[0.00509]	(0.0033)
Total TCDDs	(0.0019)	(0.0020)	(0.0022)	(0.0032)	(0.0030)
Total PeCDDs	(0.0038)	0.0022	(0.0041)	(0.0040)	(0.0021)
Total HxCDDs	(0.0047)	0.0230	(0.0052)	(0.0046)	(0.0060)
Total HpCDDs	(0.0031)	0.124	0.0029	0.0234	0.0148
Total TCDFs	(0.0012)	(0.0012)	(0.0015)	(0.0009)	(0.0022)
Total PeCDFs	0.0019	(0.0007)	(0.0010)	(0.0007)	(0.0010)
Total HxCDFs	0.0024	(0.0011)	(0.0010)	(0.0011)	(0.0014)
Total HpCDFs	(0.0016)	(0.0017)	(0.0013)	0.0018	(0.0012)
Total PCDD/Fs	0.0157	1.20	0.0210	0.0884	0.0863
TEQ (ND=0)	0.0008	0.0015	0.0000	0.0002	0.0001
TEQ (ND=½)	0.0024	0.0036	0.0023	0.0018	0.0031
TEQ w/EMPC (ND=0)	0.0000	0.0000	0.0000	0.0000	0.0000
TEQ w/EMPC (ND=½)	0.0000	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-10

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	0.0020				
1,2,3,7,8-PeCDD	ND	0.0012				
1,2,3,4,7,8-HxCDD	ND	0.0018				
1,2,3,6,7,8-HxCDD	ND	0.0017				
1,2,3,7,8,9-HxCDD	ND	0.0016				
1,2,3,4,6,7,8-HpCDD	0.0451			39:17	1.14	A
OCDD	1.05			43:14	0.88	
2,3,7,8--TCDF	ND	0.0012				
1,2,3,7,8-PeCDF	ND	0.0007				
2,3,4,7,8-PeCDF	ND	0.0007				
1,2,3,4,7,8-HxCDF	ND	0.0010				
1,2,3,6,7,8-HxCDF	ND	0.0010				
2,3,4,6,7,8-HxCDF	ND	0.0011				
1,2,3,7,8,9-HxCDF	ND	0.0014				
1,2,3,4,6,7,8-HpCDF	ND	0.0014				
1,2,3,4,7,8,9-HpCDF	ND	0.0021				
OCDF	EMPC	0.0030	0.0028	43:28	0.8	
Total TCDDs	ND	0.0020				
Total PeCDDs	0.0022					Q
Total HxCDDs	0.0230		0.0333			
Total HpCDDs	0.124					
Total TCDFs	ND	0.0012				
Total PeCDFs	ND	0.0007				Q
Total HxCDFs	ND	0.0011				
Total HpCDFs	ND	0.0017				
ITEF TEQ (ND=0)	0.0015		0.0015			
ITEF TEQ (ND=½)	0.0036		0.0036			

Client Information

Project Name:	E096-007-5.0040
Sample ID:	LF-10

Laboratory Information

Project ID:	G129-362
Sample ID:	14708
Collection Date/Time:	06-Feb-01 15:45
Receipt Date:	09-Feb-01
Extraction Date:	16-Feb-01
Analysis Date:	20-Feb-01

Sample Information

Matrix:	Aqueous
Weight / Volume:	504 mL
Solids / Lipids:	NA
Original pH :	5
Batch ID:	WG5277
Filename:	a20feb01a-7
Retchk:	a20feb01a-1
Begin ConCal:	a20feb01a-1
Initial Cal:	m1613-052699m

Method 1613

LF-10

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	0.84	83.8	30:28	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.89	89.2	33:38	1.52	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.83	83.1	36:05	1.21	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.99	99.3	36:11	1.2	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.76	76.2	39:17	1.05	
$^{13}C_{12}$-OCDD	2	1.24	62.2	43:13	0.88	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.88	88.3	29:32	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	1.03	103.3	32:51	1.61	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.95	95.0	33:27	1.61	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.83	83.1	35:25	0.51	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.96	95.6	35:31	0.51	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.88	87.5	35:58	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.94	94.4	36:42	0.5	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.93	93.0	38:06	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.94	94.2	39:54	0.46	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.35	86.5	30:30		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:46	0.8	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.52	

Client Information

Project Name: E096-007-5.0040
Sample ID: LF-10

Laboratory Information

Project ID: G129-362
Sample ID: 14708

Collection Date/Time: 06-Feb-01 15:45
Receipt Date: 09-Feb-01
Extraction Date: 16-Feb-01
Analysis Date: 20-Feb-01

Analyzed by: HMP
Date: 23Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 504 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5277

Filename: a20feb01a-7
Retchk: a20feb01a-1
Begin ConCal: a20feb01a-1

Initial Cal: m1613-052699m

Reviewed by: MD
Date: 2/23/01

$HpCDD = \frac{(1.47 \times 10^6)(1000\ pg)}{(6.43 \times 10^7)(1.0066)(504\ mL)} = 0.0451\ pg/mL$ CDS

Filename ; a20feb01a
Sample ; 7
Acquired ; 20-FEB-01 20:58:07
Processed ; 21-FEB-01 08:20:15
Sample ID ; 14708 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-022001a
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;		*;	0.1021;	*;n;	*;n ;	no
Unk	;	1,2,3,7,8-PeCDD;	*;	*;	*;	*;n;NotFnd;		*;	0.0587;	*;n;	*;n ;	no
Unk	;	1,2,3,4,7,8-HxCDD;	2.66e+04;	1.50e+04;	1.16e+04;	1.30;y;	36:05;	0.036;	0.0882;	2;n;	1;n ;	no
Unk	;	1,2,3,6,7,8-HxCDD;	6.40e+04;	3.34e+04;	3.06e+04;	1.09;y;	36:11;	0.075;	0.0873;	3;n;	2;n ;	no
Unk	;	1,2,3,7,8,9-HxCDD;	1.15e+05;	6.24e+04;	5.30e+04;	1.18;y;	36:24;	0.133;	0.0805;	4;y;	5;y ;	yes
Unk	;	1,2,3,4,6,7,8-HpCDD;	1.47e+06;	7.84e+05;	6.88e+05;	1.14;y;	39:17;	1.275;	0.1850;	40;y;	37;y ;	no
Unk	;	OCDD;	2.32e+07;	1.09e+07;	1.24e+07;	0.88;y;	43:14;	58.895;	0.2849;	454;y;	698;y ;	no
Unk	;	2,3,7,8-TCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0599;	*;n;	*;n ;	no
Unk	;	1,2,3,7,8-PeCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0355;	*;n;	*;n ;	no
Unk	;	2,3,4,7,8-PeCDF;	6.08e+04;	3.89e+04;	2.19e+04;	1.77;y;	33:27;	0.047;	0.0359;	4;y;	3;n ;	yes
Unk	;	1,2,3,4,7,8-HxCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0506;	*;n;	*;n ;	no
Unk	;	1,2,3,6,7,8-HxCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0502;	*;n;	*;n ;	no
Unk	;	2,3,4,6,7,8-HxCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0550;	*;n;	*;n ;	no
Unk	;	1,2,3,7,8,9-HxCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0696;	*;n;	*;n ;	no
Unk	;	1,2,3,4,6,7,8-HpCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0700;	*;n;	*;n ;	no
Unk	;	1,2,3,4,7,8,9-HpCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.1069;	*;n;	*;n ;	no
Unk	;	OCDF;	7.69e+04;	3.42e+04;	4.27e+04;	0.80;y;	43:28;	0.143;	0.1490;	4;y;	5;y ;	yes
ES/RT	; ✓	13C-2,3,7,8-TCDD;	8.21e+07;	3.67e+07;	4.54e+07;	0.81;y;	30:28;	41.905;	0.0511;	1605;y;	3372;y ;	no
ES	;	13C-1,2,3,7,8-PeCDD;	7.37e+07;	4.45e+07;	2.92e+07;	1.52;y;	33:38;	44.621;	0.0547;	4776;y;	3815;y ;	no
ES	;	13C-1,2,3,4,7,8-HxCDD;	6.56e+07;	3.60e+07;	2.96e+07;	1.21;y;	36:05;	41.527;	0.0388;	4479;y;	3766;y ;	no
ES	;	13C-1,2,3,6,7,8-HxCDD;	8.73e+07;	4.76e+07;	3.97e+07;	1.20;y;	36:11;	49.642;	0.0348;	5231;y;	4514;y ;	no
ES	;	13C-1,2,3,4,6,7,8-HpCDD;	6.43e+07;	3.30e+07;	3.13e+07;	1.05;y;	39:17;	38.093;	0.0476;	1973;y;	1880;y ;	no
ES	;	13C-OCDD;	8.17e+07;	3.81e+07;	4.36e+07;	0.88;y;	43:13;	62.183;	0.0399;	2630;y;	3187;y ;	no
ES/RT	;	13C-2,3,7,8-TCDF;	1.23e+08;	5.47e+07;	6.79e+07;	0.81;y;	29:32;	44.157;	0.0334;	3335;y;	4436;y ;	no
ES	;	13C-1,2,3,7,8-PeCDF;	1.31e+08;	8.10e+07;	5.02e+07;	1.61;y;	32:51;	51.634;	0.0319;	10374;y;	7311;y ;	no
ES	;	13C-2,3,4,7,8-PeCDF;	1.14e+08;	7.06e+07;	4.38e+07;	1.61;y;	33:27;	47.487;	0.0336;	9575;y;	6626;y ;	no
ES	;	13C-1,2,3,4,7,8-HxCDF;	9.54e+07;	3.21e+07;	6.33e+07;	0.51;y;	35:25;	41.533;	0.0449;	1853;y;	6883;y ;	no
ES	;	13C-1,2,3,6,7,8-HxCDF;	1.18e+08;	3.98e+07;	7.86e+07;	0.51;y;	35:31;	47.795;	0.0416;	1937;y;	7068;y ;	no
ES	;	13C-2,3,4,6,7,8-HxCDF;	1.01e+08;	3.45e+07;	6.69e+07;	0.52;y;	35:58;	43.730;	0.0445;	1887;y;	6630;y ;	no
ES	;	13C-1,2,3,7,8,9-HxCDF;	9.02e+07;	3.02e+07;	5.99e+07;	0.50;y;	36:42;	47.201;	0.0540;	1323;y;	4807;y ;	no
ES	;	13C-1,2,3,4,6,7,8-HpCDF;	8.51e+07;	2.66e+07;	5.85e+07;	0.46;y;	38:06;	46.486;	0.1312;	773;y;	1235;y ;	no
ES	;	13C-1,2,3,4,7,8,9-HpCDF;	7.11e+07;	2.25e+07;	4.86e+07;	0.46;y;	39:54;	47.083;	0.1591;	519;y;	802;y ;	no
JS	;	13C-1,2,3,4-TCDD;	1.85e+08;	8.19e+07;	1.03e+08;	0.80;y;	29:46;	91.256;	-;	3890;y;	8358;y ;	no
JS	;	13C-1,2,3,7,8,9-HxCDD;	1.84e+08;	9.99e+07;	8.45e+07;	1.18;y;	36:25;	111.879;	-;	9398;y;	8607;y ;	no
CS	; ✓	37Cl-2,3,7,8-TCDD;	3.76e+07;	3.76e+07;	-;	-;-;	30:30;	17.321;	0.0174;	2739;y	;	no

	Conc	Empc	Flags
TCDF	0	0	FALSE
TCDD	0	0	FALSE
PeCDF	0	0	FALSE
PeCDD	0.113	0.113	FALSE
HxCDF	0	0	FALSE
HxCDD	1.291	1.813	TRUE
HpCDF	0	0	FALSE
HpCDD	6.23	6.23	FALSE

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Furans
Sample:	7	Number of Peaks Found:	0
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.1266
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.0599
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-022001a	End Window:	

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

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	7	Number of Peaks Found:	1
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.181
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.1021
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	26:48:00
Results Table:	m1613-022001a	End Window:	31:36:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.35E+05	111000	23300	4.77	n	29:32	0.139	S2N	7	y	1.7	n	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	7	Number of Peaks Found:	2
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.096
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.0334
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-022001a	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.40E+05	68500	171000	0.4	n	29:46	0.178	RT	4.7	y	12.4	y	n
	2	9.83E+04	17200	81100	0.21	n	30:28	0.073	RT	1.8	n	5.8	y	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Furans Fn2
Sample:	7	Number of Peaks Found:	2
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.096
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.0356
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:08:00
Results Table:	m1613-022001a	End Window:	34:14:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
2,3,4,7,8-PeCDF	1	6.08E+04	38900	21900		1.77 y	33:27	0.047	S2N		4 y		2.6 n	y
	2	2.35E+04	13700	9770		1.4 y	33:38	0.017	S2N		2.3 n		1.3 n	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Dioxins
Sample:	7	Number of Peaks Found:	5
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.0298
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.216
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	32:15:00
Results Table:	m1613-022001a	End Window:	33:59:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	8.58E+04	49100	36700		1.34 y	32:36	0.113	OK ✓		9.4 y		7.3 y	y
	2	1.64E+05	116000	47400		2.46 n	32:51	0	CF		17.7 y		6.5 y	n
	3	8.11E+03	4030	4080		0.99 n	32:56	0.011	S2N		1.1 n		1.3 n	n
	4	2.78E+04	20400	7420		2.75 n	33:11	0.037	S2N		3.6 y		1.5 n	n
	5	1.32E+05	95800	36700		2.61 n	33:26	0	CF		15.7 y		5.4 y	n

Filename:	a20feb01a	Name of Homolog Group:	Total Hexa-Furans
Sample:	7	Number of Peaks Found:	3
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.2111
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.0562
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:22:00
Results Table:	m1613-022001a	End Window:	36:54:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.47E+04	17000	7680		2.21 n	36:06	0.02	S2N		1.7 n		1.2 n	n
	2	4.35E+04	24900	18600		1.34 y	36:11	0.035	S2N		2.3 n		1.9 n	n
	3	7.17E+04	39800	31900		1.25 y	36:25	0.058	S2N		3.8 y		3.2 y	n

11

Filename:	a20feb01a	Name of Homolog Group:	Total Hexa-Dioxins

Sample:	7	Number of Peaks Found:	23
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.0787
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.444
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:50:00
Results Table:	m1613-022001a	End Window:	36:30:00

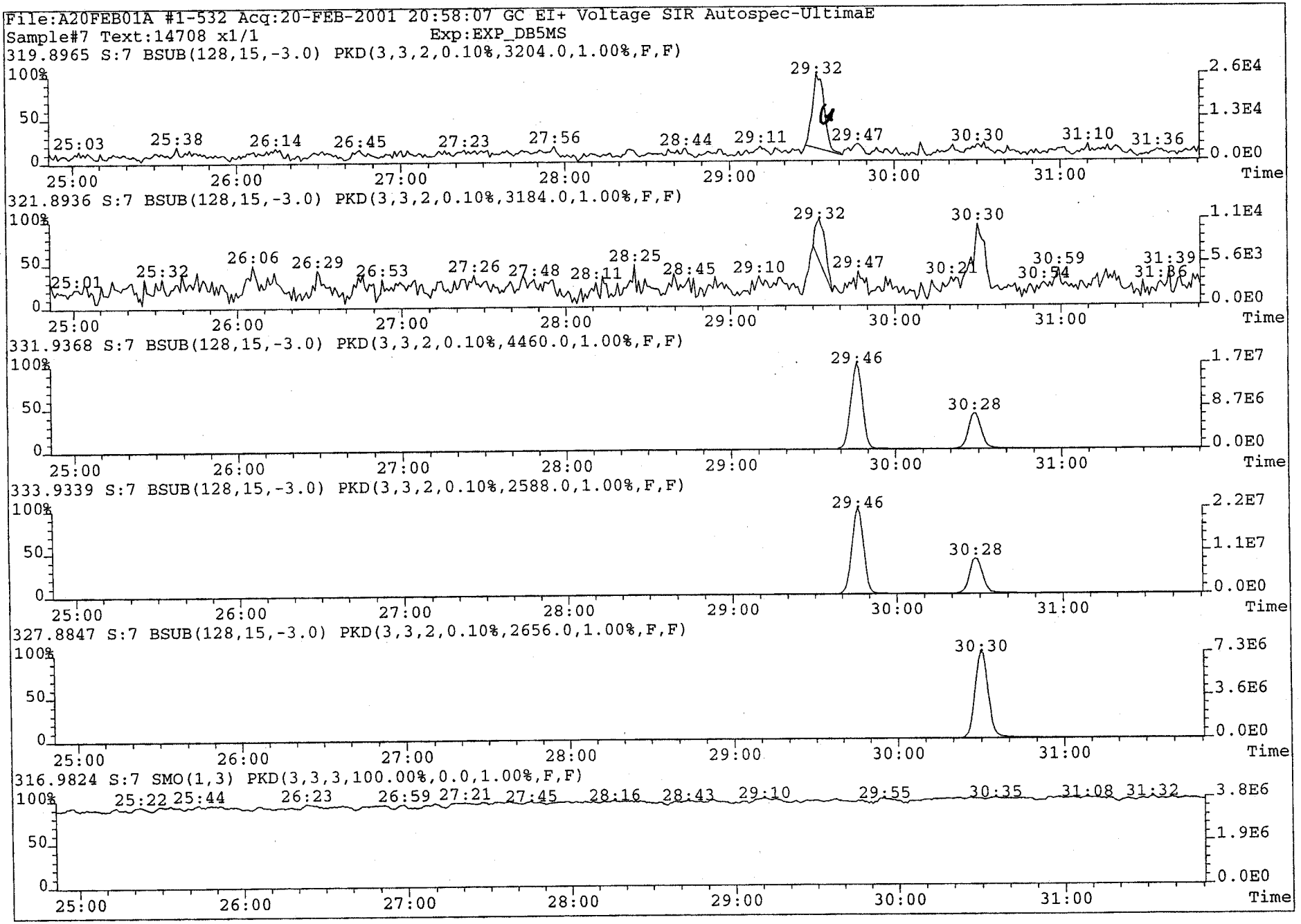
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	9.55E+05	523000	432000	1.21	y	34:56	1.158	OK	49.1	y	47.7	y	n
	2	4.98E+03	3100	1880	1.65	n	35:01	0.006	S2N	0.6	n	0.3	n	n
	3	3.42E+03	1540	1880	0.82	n	35:04	0.004	S2N	0.3	n	0.3	n	n
	4	1.09E+04	2390	8490	0.28	n	35:06	0.013	S2N	0.5	n	1.1	n	n
	5	1.05E+04	2030	8490	0.24	n	35:09	0.013	S2N	0.5	n	1.1	n	n
	6	7.93E+03	4930	2990	1.65	n	35:14	0.01	S2N	0.7	n	0.7	n	n
	7	1.92E+05	142000	49700	2.86	n	35:24	0	CF	10.7	y	5.1	y	n
	8	3.66E+05	142000	224000	0.63	n	35:30	0	CF	12.3	y	13.9	y	n
	9	4.31E+05	207000	224000	0.92	n	35:34	0.522	EMPC	14.6	y	13.9	y	n
	10	2.98E+04	16900	12900	1.31	y	35:39	0.036	S2N	2.2	n	2.6	n	n
	11	1.89E+04	5980	12900	0.46	n	35:41	0.023	S2N	1.3	n	2.6	n	n
	12	1.65E+05	126000	39500	3.18	n	35:58	0	CF	11.8	y	4.3	y	n
	13	7.57E+03	4420	3160	1.4	y	36:02	0.009	S2N	0.8	n	0.9	n	n
1,2,3,4,7,8-HxCDD	14	2.66E+04	15000	11600	1.3	y	36:05	0.036	S2N	1.5	n	1.2	n	n
1,2,3,6,7,8-HxCDD	15	6.40E+04	33400	30600	1.09	y	36:11	0.075	S2N	2.5	n	2.5	n	n
	16	1.11E+04	5060	6050	0.84	n	36:15	0.013	S2N	1.1	n	0.8	n	n
	17	4.91E+04	20900	28100	0.74	n	36:19	0.059	S2N	1.8	n	2.5	n	n
1,2,3,7,8,9-HxCDD	18	1.15E+05	62400	53000	1.18	y	36:24	0.133	~~OK~~sh	4.2	y	5.3	y	y
	19	1.37E+04	2060	11700	0.18	n	36:30	0.017	S2N	0.5	n	1.1	n	n
	20	6.31E+03	1830	4470	0.41	n	36:33	0.008	RT	0.4	n	0.8	n	n
	21	1.58E+05	111000	46900	2.37	n	36:41	0	RT	7.5	y	3.9	y	n
	22	9.78E+03	6430	3350	1.92	n	36:46	0.012	RT	0.9	n	1	n	n
	23	7.88E+03	5500	2380	2.31	n	36:49	0.01	RT	0.7	n	0.6	n	n

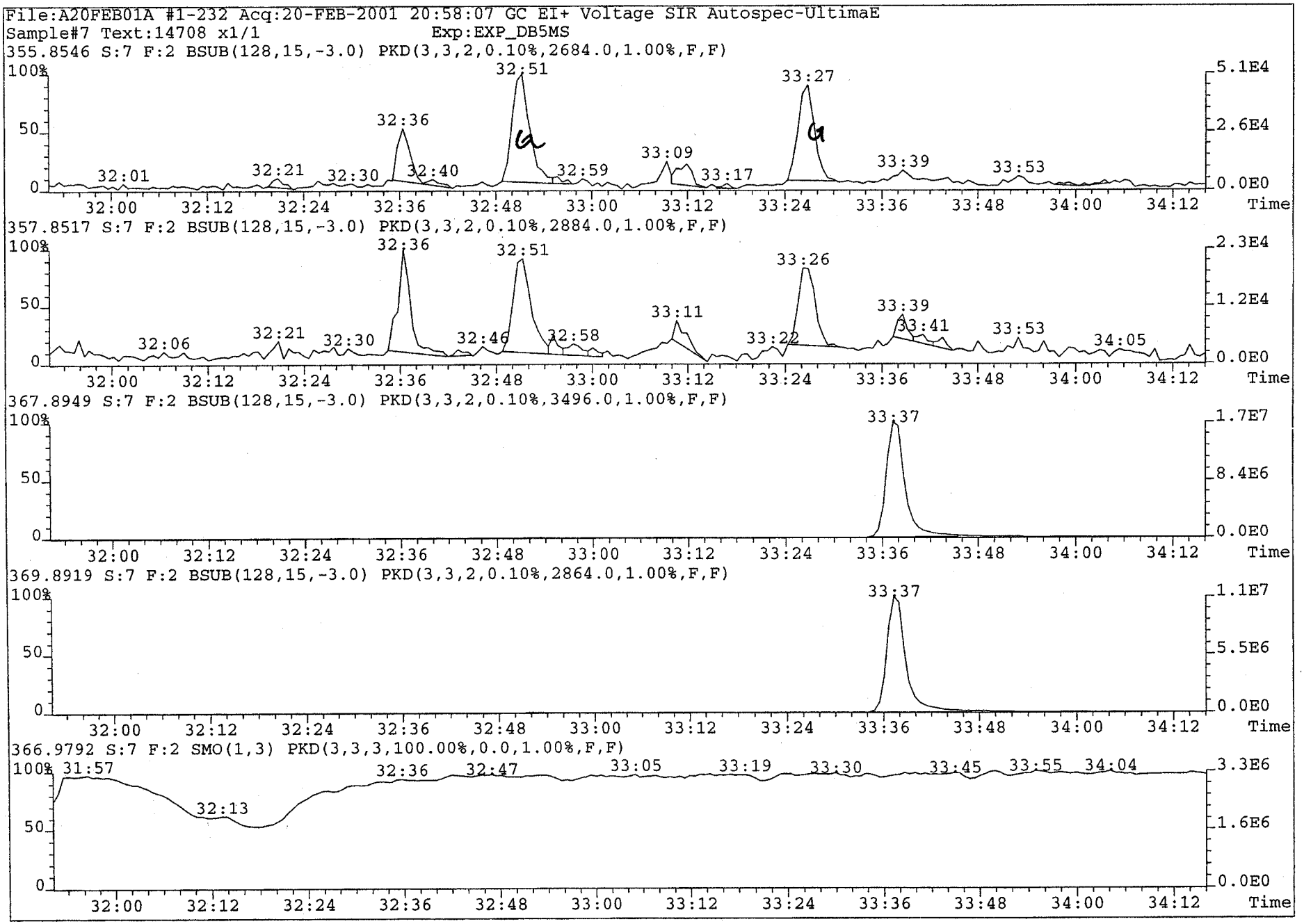
Filename:	a20feb01a	Name of Homolog Group:	Total Hepta-Furans
Sample:	7	Number of Peaks Found:	4
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.4605
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.0867
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	37:55:00
Results Table:	m1613-022001a	End Window:	40:04:00

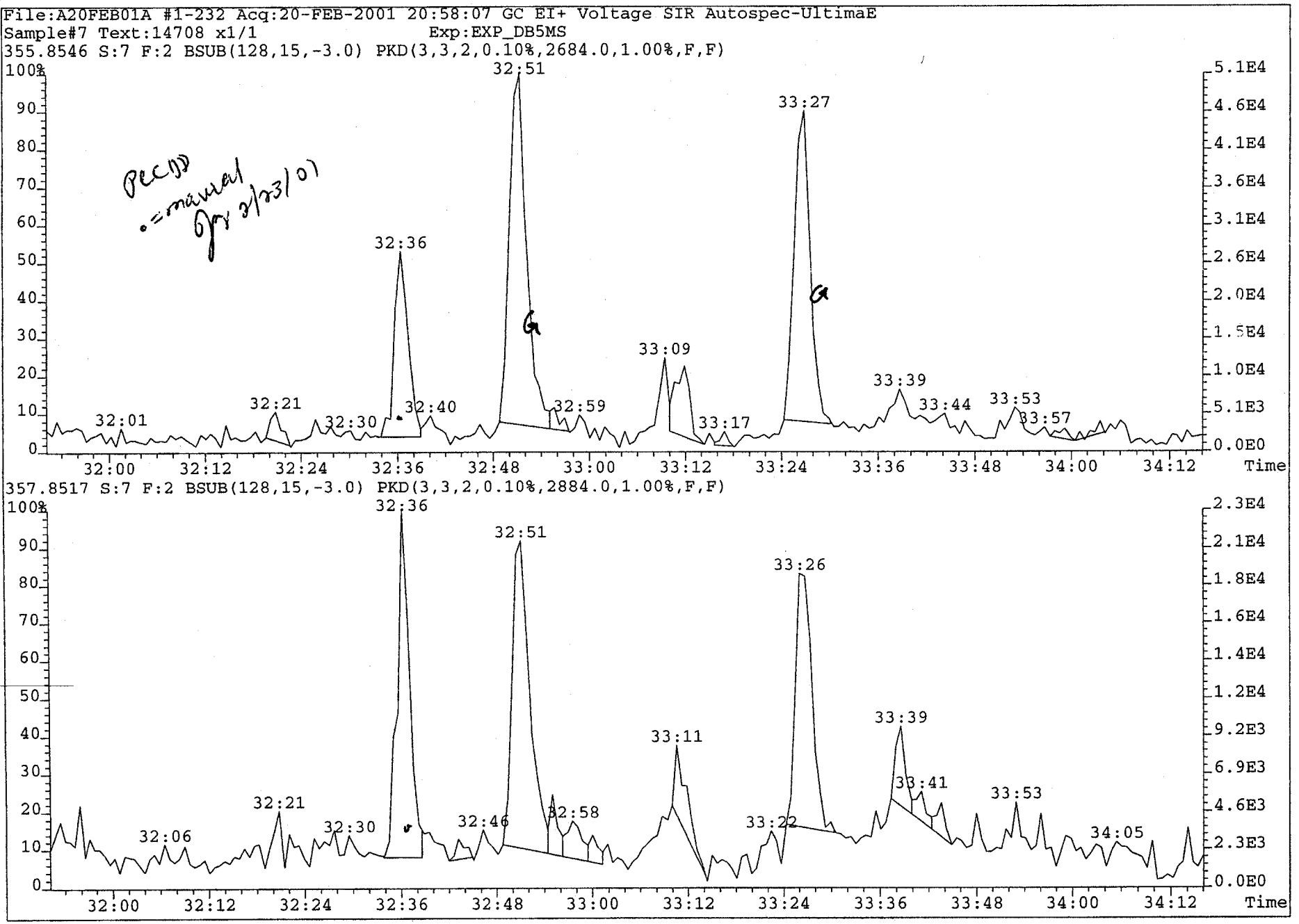
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.97E+04	8750	10900	0.8	n	38:53	0.017	S2N	1.9	n	1.3	n	n
	2	1.60E+04	5100	10900	0.47	n	38:56	0.014	S2N	0.8	n	1.3	n	n
	3	9.66E+03	5530	4130	1.34	n	38:58	0.008	S2N	0.8	n	0.7	n	n
	4	1.19E+04	4660	7280	0.64	n	39:02	0.01	S2N	0.6	n	0.7	n	n

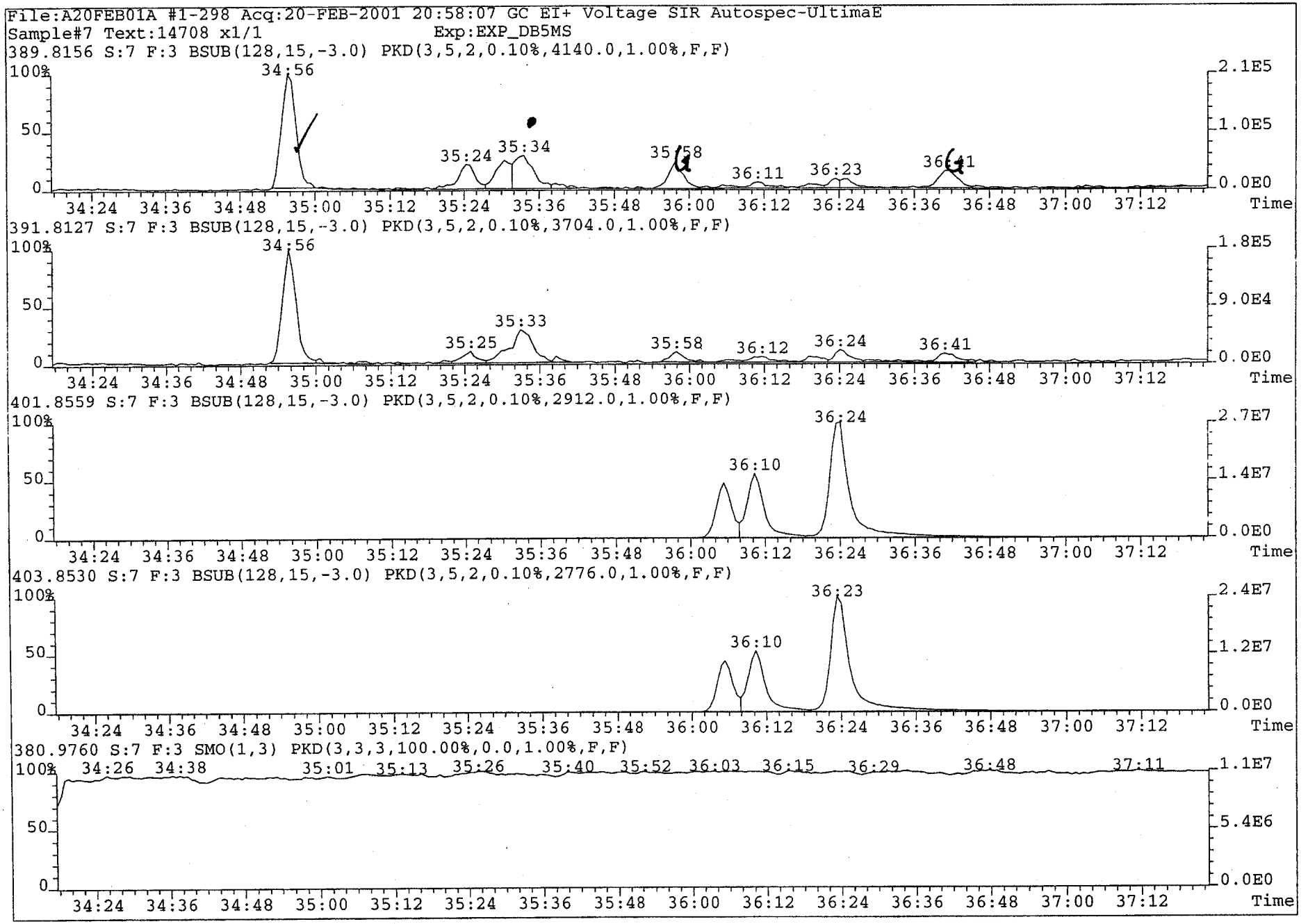
Filename:	a20feb01a	Name of Homolog Group:	Total Hepta-Dioxins
Sample:	7	Number of Peaks Found:	27
Acquired:	20-FEB-01 20:58:07	RRF Used For Totals:	1.0066
Processed:	21-FEB-01 08:20:15	Detection Limit:	0.185
Sample ID:	14708 x1/1		
Cal Table:	m1613-052699m	Begin Window:	38:16:00
Results Table:	m1613-022001a	End Window:	38:36:00

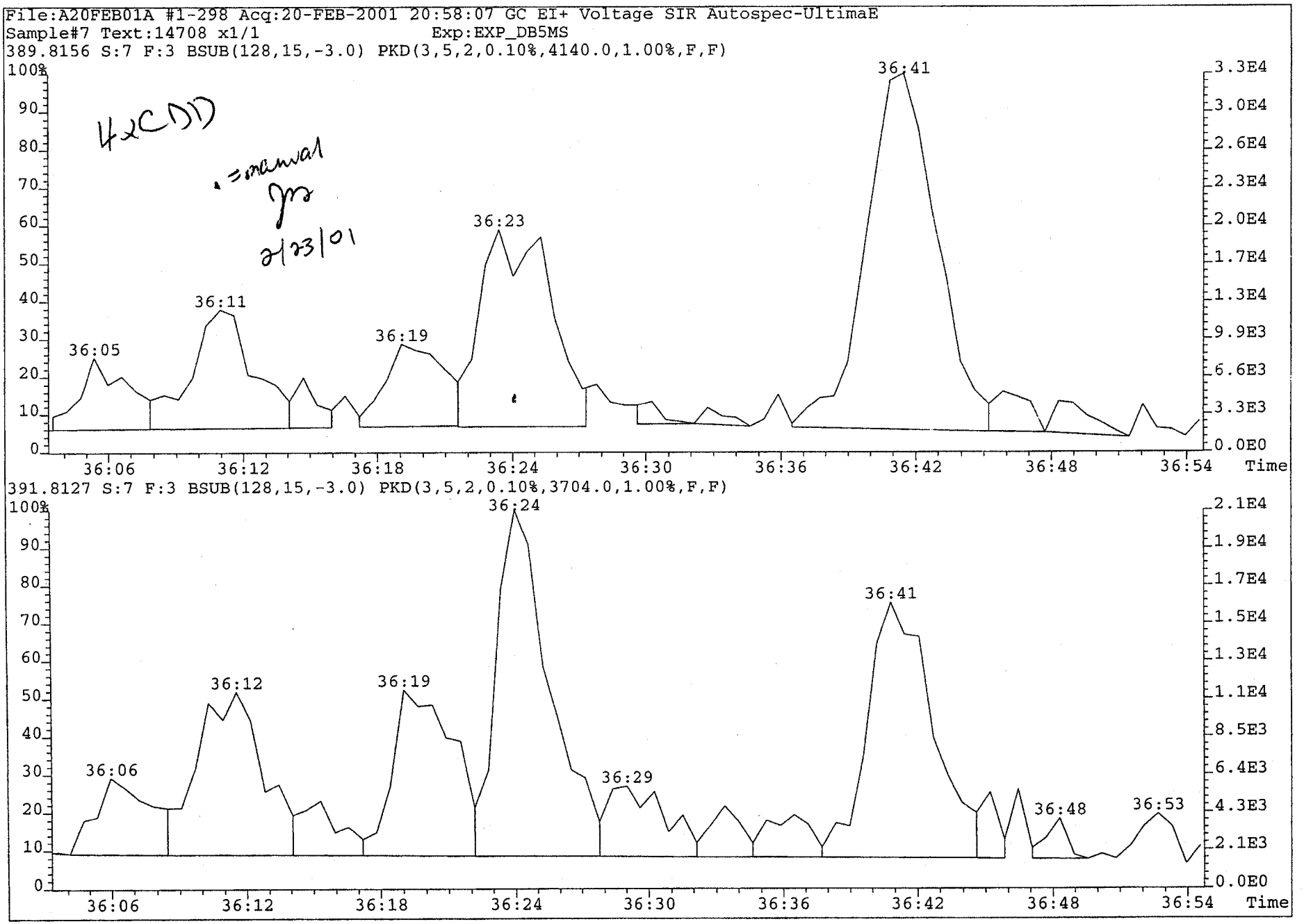
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.19E+05	104000	15600	6.64	n	38:05	0.184	RT	7.7	y	1.8	n	n
	2	2.56E+06	1300000	1260000	1.03	y	38:25	3.955	OK	82.6	y	81.9	y	n
	3	6.24E+04	28000	34400	0.81	n	38:33	0.096	S2N	3.5	y	3	n	n
	4	3.65E+04	24900	11600	2.15	n	38:36	0.056	S2N	2.7	n	1.7	n	n
	5	4.33E+04	26400	17000	1.55	n	38:39	0.067	RT	1.8	n	1.7	n	n
	6	2.22E+04	10300	11900	0.86	n	38:44	0.034	RT	0.9	n	1.6	n	n
	7	2.94E+04	19000	10400	1.82	n	38:54	0.045	RT	1.5	n	0.9	n	n
	8	1.53E+04	3420	11900	0.29	n	39:01	0.024	RT	0.8	n	1.2	n	n
	9	2.64E+04	14500	11900	1.22	n	39:03	0.041	RT	1.1	n	1.2	n	n
1,2,3,4,6,7,8-HpCDI	10	1.47E+06	784000	688000	1.14	y	39:17	2.275	RT	39.8	y	36.6	y	n
	11	5.84E+04	35800	22600	1.58	n	39:28	0.09	RT	2.3	n	2.9	n	n
	12	2.56E+04	10200	15400	0.67	n	39:31	0.04	RT	1.6	n	1.6	n	n
	13	2.21E+04	6750	15400	0.44	n	39:33	0.034	RT	1.2	n	1.6	n	n
	14	1.82E+04	12500	5750	2.17	n	39:46	0.028	RT	0.8	n	0.9	n	n
	15	1.29E+05	110000	18700	5.91	n	39:53	0.2	RT	4.9	y	2	n	n
	16	2.27E+04	14400	8330	1.72	n	40:00	0.035	RT	1.1	n	1	n	n
	17	1.63E+04	9640	6670	1.44	n	40:04	0.025	RT	0.9	n	1	n	n
	18	1.70E+04	5660	11300	0.5	n	40:18	0.026	RT	0.6	n	1	n	n
	19	1.78E+04	6460	11300	0.57	n	40:21	0.028	RT	0.7	n	1	n	n
	20	1.80E+04	11400	6610	1.72	n	40:29	0.028	RT	1.1	n	0.7	n	n
	21	1.95E+04	10300	9250	1.11	y	40:33	0.03	RT	0.9	n	0.8	n	n
	22	1.10E+04	7230	3720	1.94	n	40:38	0.017	RT	0.9	n	0.6	n	n
	23	1.67E+04	6930	9820	0.71	n	40:42	0.026	RT	0.8	n	0.7	n	n
	24	1.51E+04	7150	7920	0.9	y	40:55	0.023	RT	0.7	n	0.7	n	n
	25	1.14E+04	3490	7920	0.44	n	40:58	0.018	RT	0.5	n	0.7	n	n
	26	1.12E+04	5530	5660	0.98	y	41:00	0.017	RT	0.5	n	0.5	n	n
	27	1.07E+04	4730	5970	0.79	n	41:04	0.017	RT	0.5	n	0.8	n	n

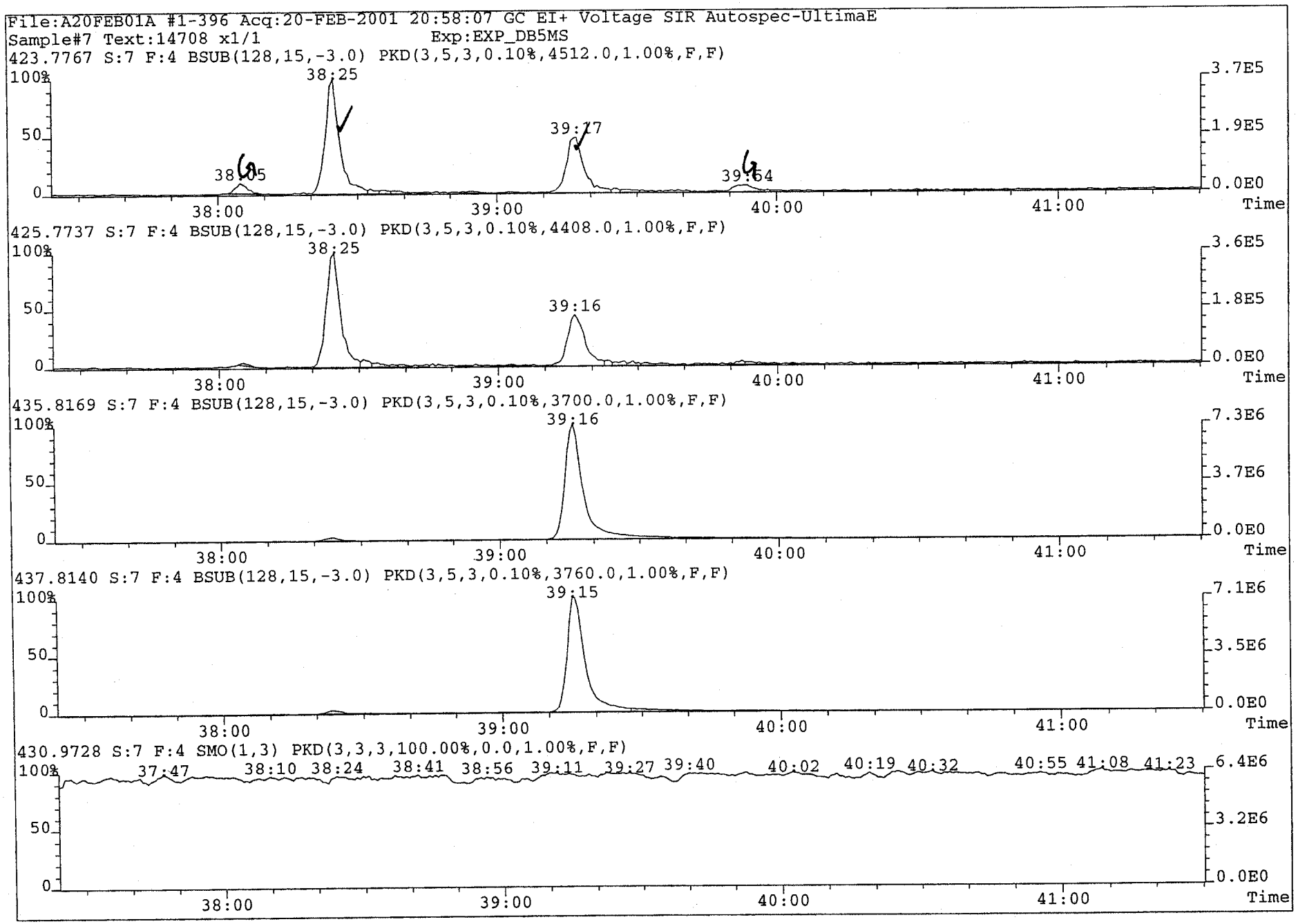

File:A20FEB01A #1-532 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
319.8965 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3204.0,1.00%,F,F)
29:32
25:03 25:38 26:14 26:45 27:23 27:56 28:44 29:11 29:47 30:30 31:10 31:36
2.6E4
1.3E4
0.0E0
321.8936 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3184.0,1.00%,F,F)
29:32
30:30
25:01 25:32 26:06 26:29 26:53 27:26 27:48 28:11 28:25 28:45 29:10 29:47 30:21 30:54 30:59 31:39 31:36
1.1E4
5.6E3
0.0E0
331.9368 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4460.0,1.00%,F,F)
29:46
30:28
1.7E7
8.7E6
0.0E0
333.9339 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2588.0,1.00%,F,F)
29:46
30:28
2.2E7
1.1E7
0.0E0
327.8847 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2656.0,1.00%,F,F)
30:30
7.3E6
3.6E6
0.0E0
316.9824 S:7 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:22 25:44 26:23 26:59 27:21 27:45 28:16 28:43 29:10 29:55 30:35 31:08 31:32
3.8E6
1.9E6
0.0E0
100%
50
0
25:00 26:00 27:00 28:00 29:00 30:00 31:00
Time

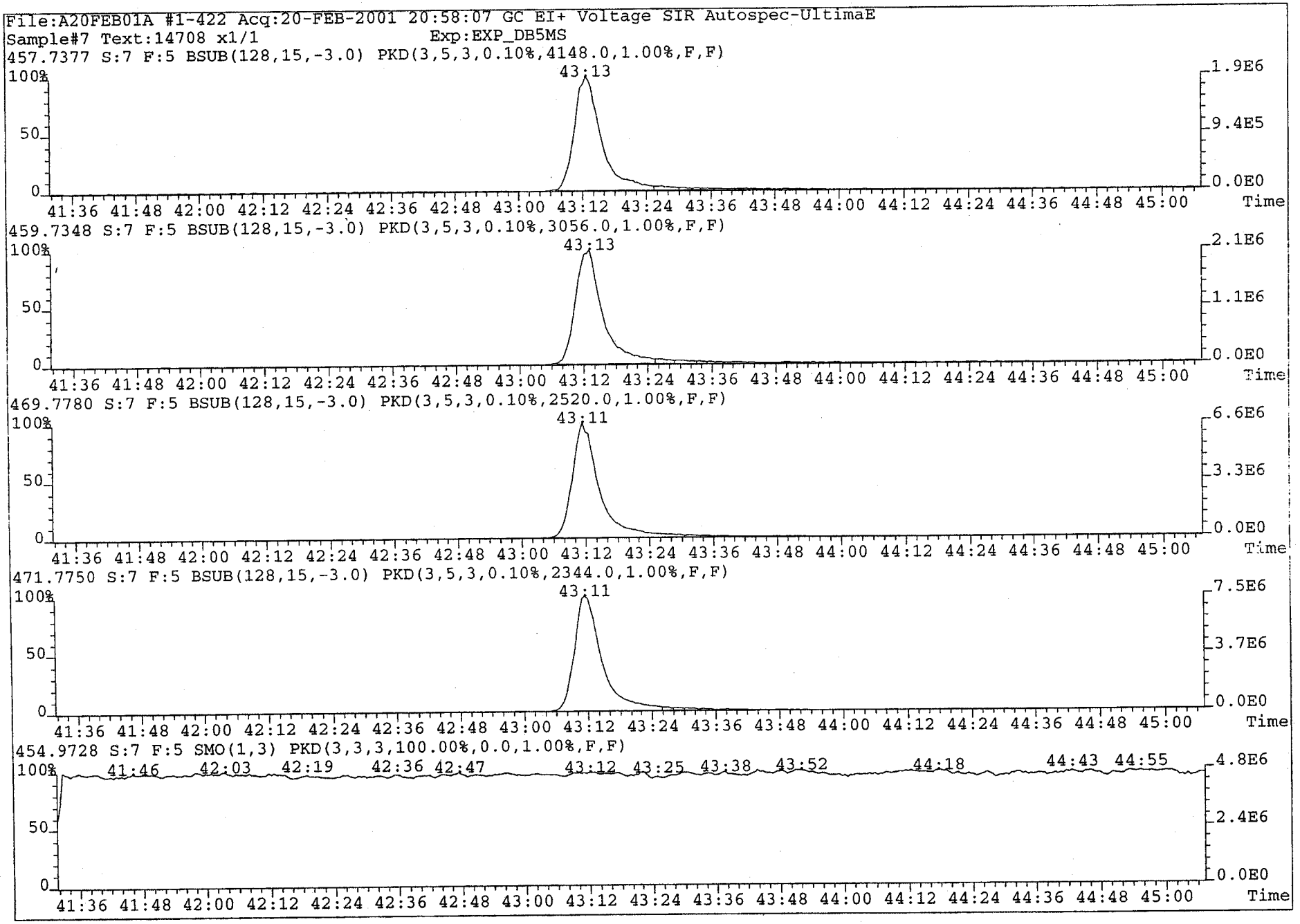

File:A20FEB01A #1-232 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
355.8546 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2684.0,1.00%,F,F)
32:01 32:21 32:30 32:36 32:40 32:51 32:59 33:09 33:17 33:27 33:39 33:53
5.1E4 2.6E4 0.0E0
357.8517 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2884.0,1.00%,F,F)
32:06 32:21 32:30 32:36 32:46 32:51 32:58 33:11 33:22 33:26 33:39 33:41 33:53 34:05
2.3E4 1.2E4 0.0E0
367.8949 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3496.0,1.00%,F,F)
33:37
1.7E7 8.4E6 0.0E0
369.8919 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2864.0,1.00%,F,F)
33:37
1.1E7 5.5E6 0.0E0
366.9792 S:7 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
31:57 32:13 32:36 32:47 33:05 33:19 33:30 33:45 33:55 34:04
3.3E6 1.6E6 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

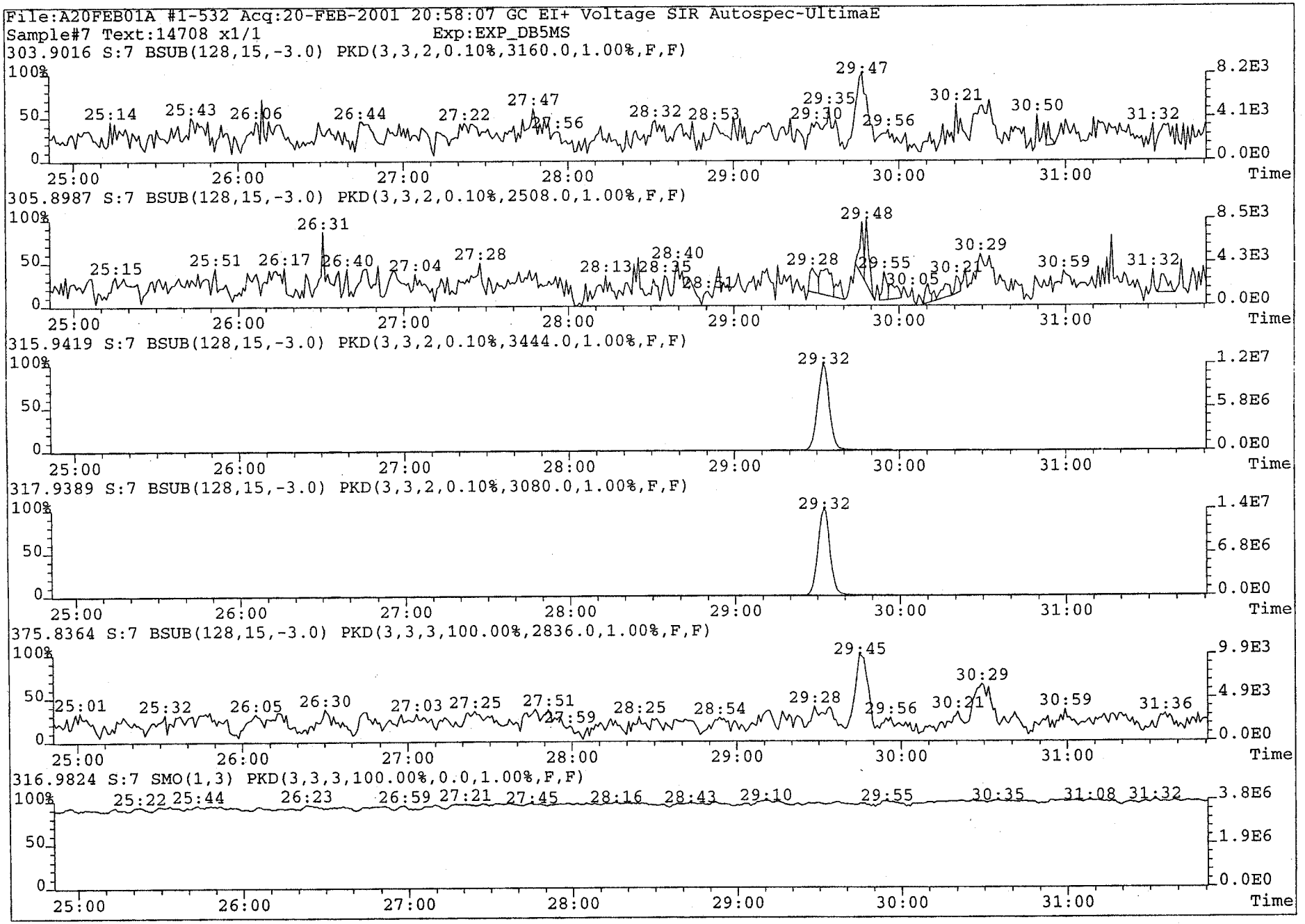

File:A20FEB01A #1-232 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
355.8546 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2684.0,1.00%,F,F)
357.8517 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2884.0,1.00%,F,F)
Time
32:01
32:21
32:30
32:36
32:40
32:51
32:59
33:09
33:17
33:27
33:39
33:44
33:53
33:57
32:06
32:46
32:58
33:11
33:22
33:26
33:41
34:05
PCCDD
• = manual
JJ 2/23/01

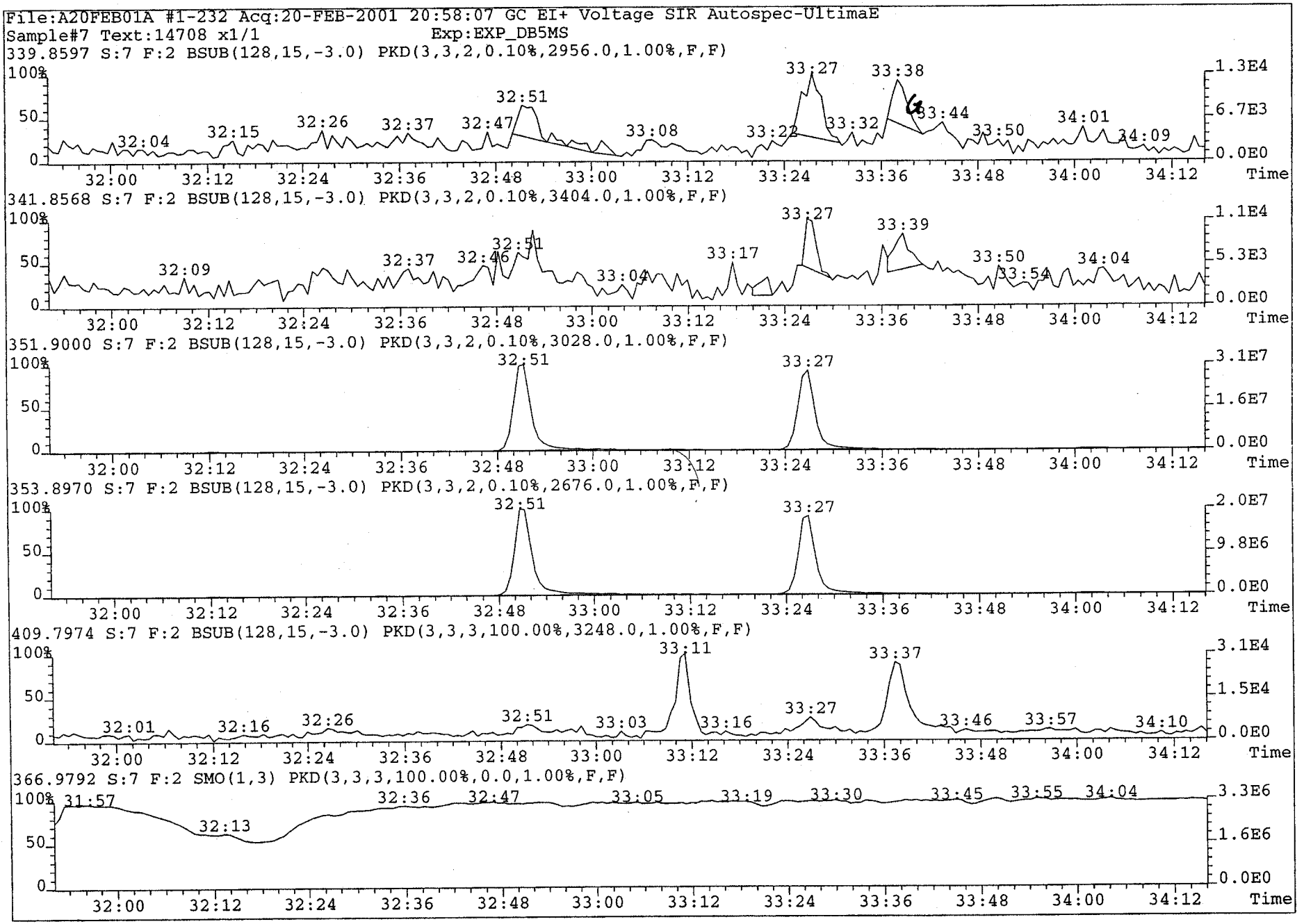

File:A20FEB01A #1-298 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
389.8156 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4140.0,1.00%,F,F)
34:56
35:24
35:34
35:58
36:11
36:23
36:41
2.1E5
1.0E5
0.0E0
391.8127 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3704.0,1.00%,F,F)
34:56
35:33
35:25
35:58
36:12
36:24
36:41
1.8E5
9.0E4
0.0E0
401.8559 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2912.0,1.00%,F,F)
36:24
36:10
2.7E7
1.4E7
0.0E0
403.8530 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2776.0,1.00%,F,F)
36:23
36:10
2.4E7
1.2E7
0.0E0
380.9760 S:7 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:26 34:38 35:01 35:13 35:26 35:40 35:52 36:03 36:15 36:29 36:48 37:11
1.1E7
5.4E6
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

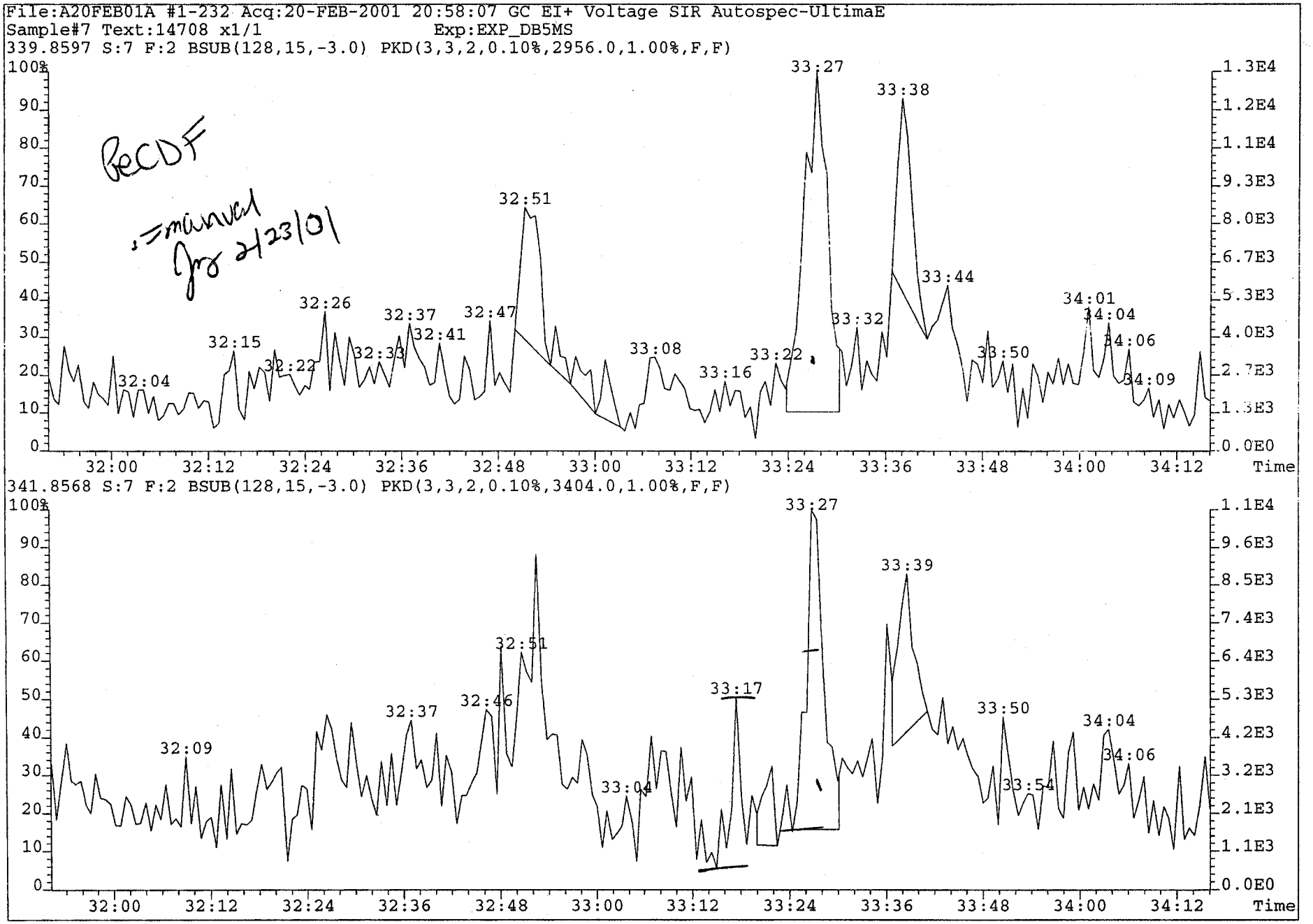

File:A20FEB01A #1-298 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
389.8156 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4140.0,1.00%,F,F)
4xCDD
* = manual
JPS
2/23/01
36:05
36:11
36:19
36:23
36:41
391.8127 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3704.0,1.00%,F,F)
36:06
36:12
36:19
36:24
36:29
36:41
36:48
36:53
Time

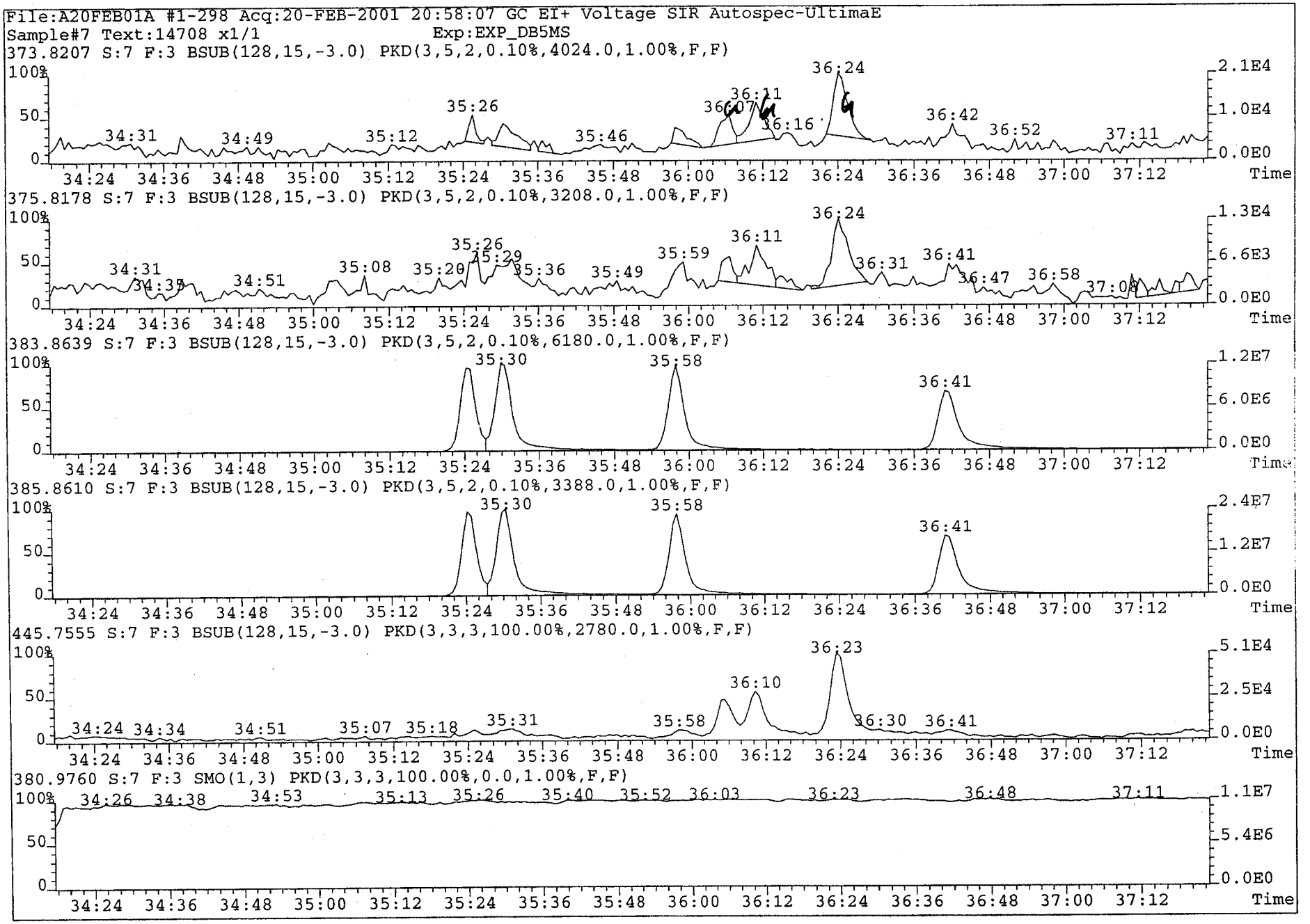

File:A20FEB01A #1-396 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
423.7767 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4512.0,1.00%,F,F)
38:25
39:17
38:05
39:54
3.7E5
1.9E5
0.0E0
425.7737 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4408.0,1.00%,F,F)
38:25
39:16
3.6E5
1.8E5
435.8169 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3700.0,1.00%,F,F)
39:16
7.3E6
3.7E6
437.8140 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3760.0,1.00%,F,F)
39:15
7.1E6
3.5E6
430.9728 S:7 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:47 38:10 38:24 38:41 38:56 39:11 39:27 39:40 40:02 40:19 40:32 40:55 41:08 41:23
6.4E6
3.2E6
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

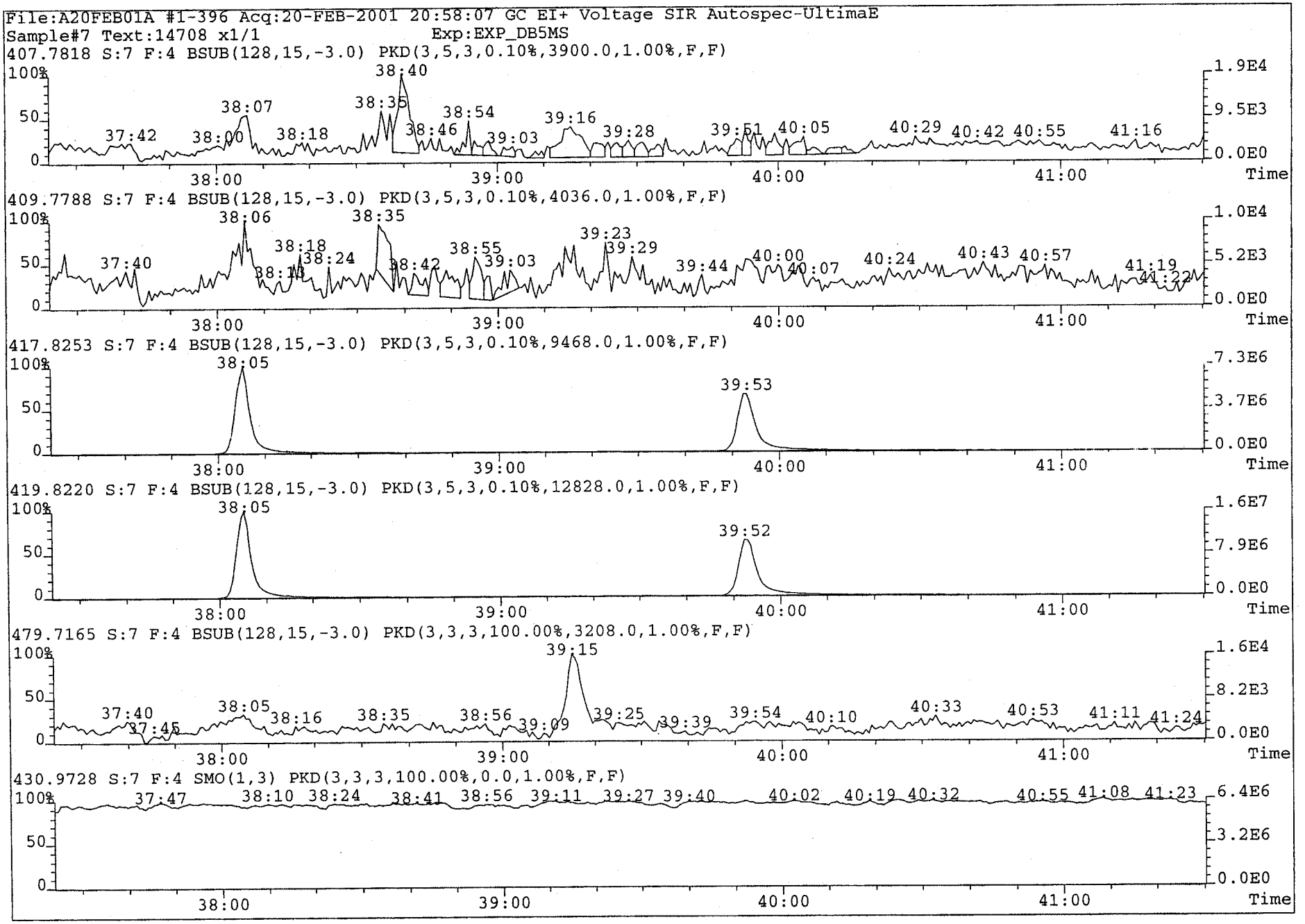

File:A20FEB01A #1-422 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
457.7377 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4148.0,1.00%,F,F)
43:13
1.9E6
9.4E5
0.0E0
459.7348 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3056.0,1.00%,F,F)
43:13
2.1E6
1.1E6
0.0E0
469.7780 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2520.0,1.00%,F,F)
43:11
6.6E6
3.3E6
0.0E0
471.7750 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2344.0,1.00%,F,F)
43:11
7.5E6
3.7E6
0.0E0
454.9728 S:7 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:46 42:03 42:19 42:36 42:47 43:12 43:25 43:38 43:52 44:18 44:43 44:55
4.8E6
2.4E6
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

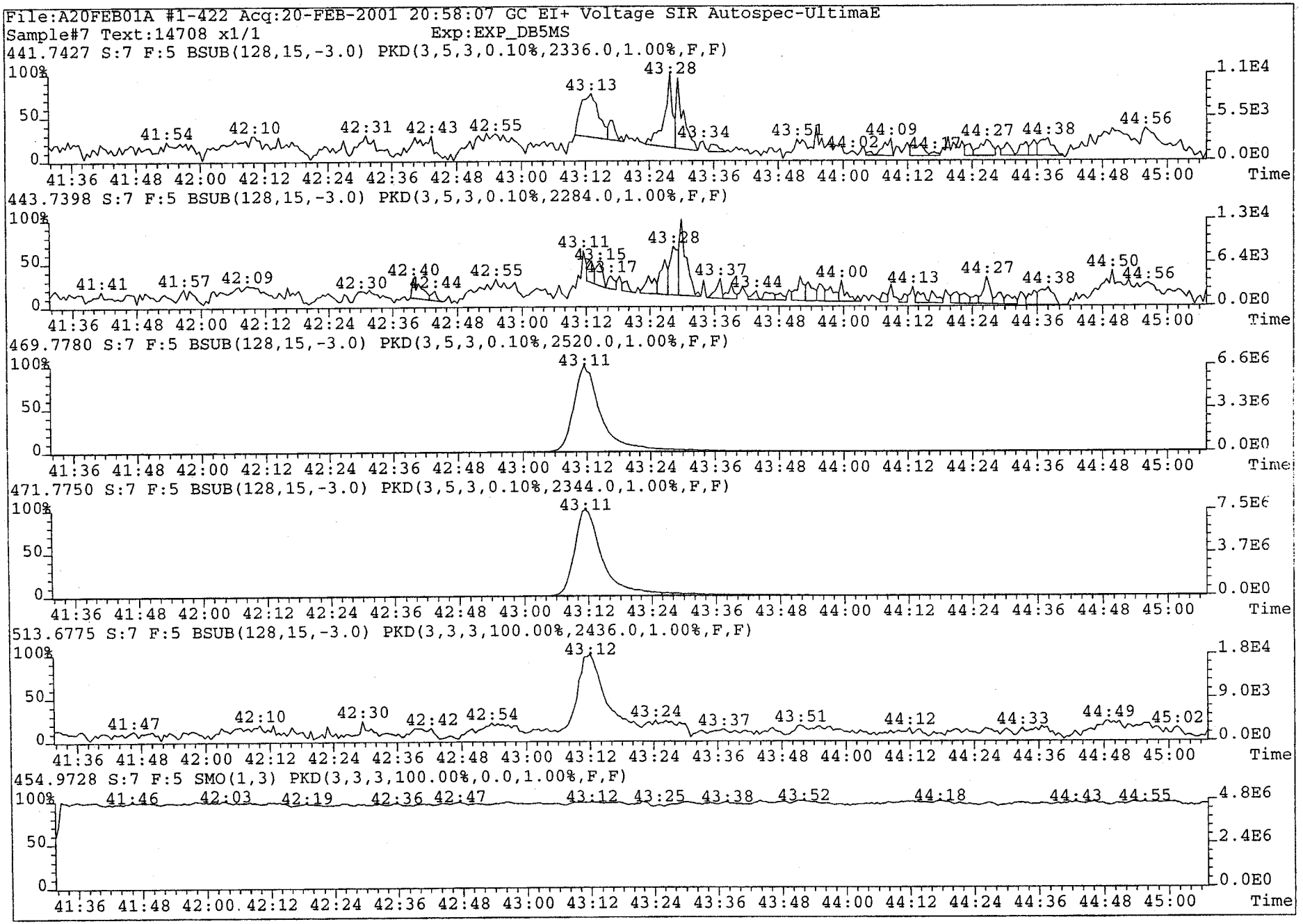

File:A20FEB01A #1-532 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
303.9016 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3160.0,1.00%,F,F)
305.8987 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2508.0,1.00%,F,F)
315.9419 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3444.0,1.00%,F,F)
317.9389 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3080.0,1.00%,F,F)
375.8364 S:7 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2836.0,1.00%,F,F)
316.9824 S:7 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

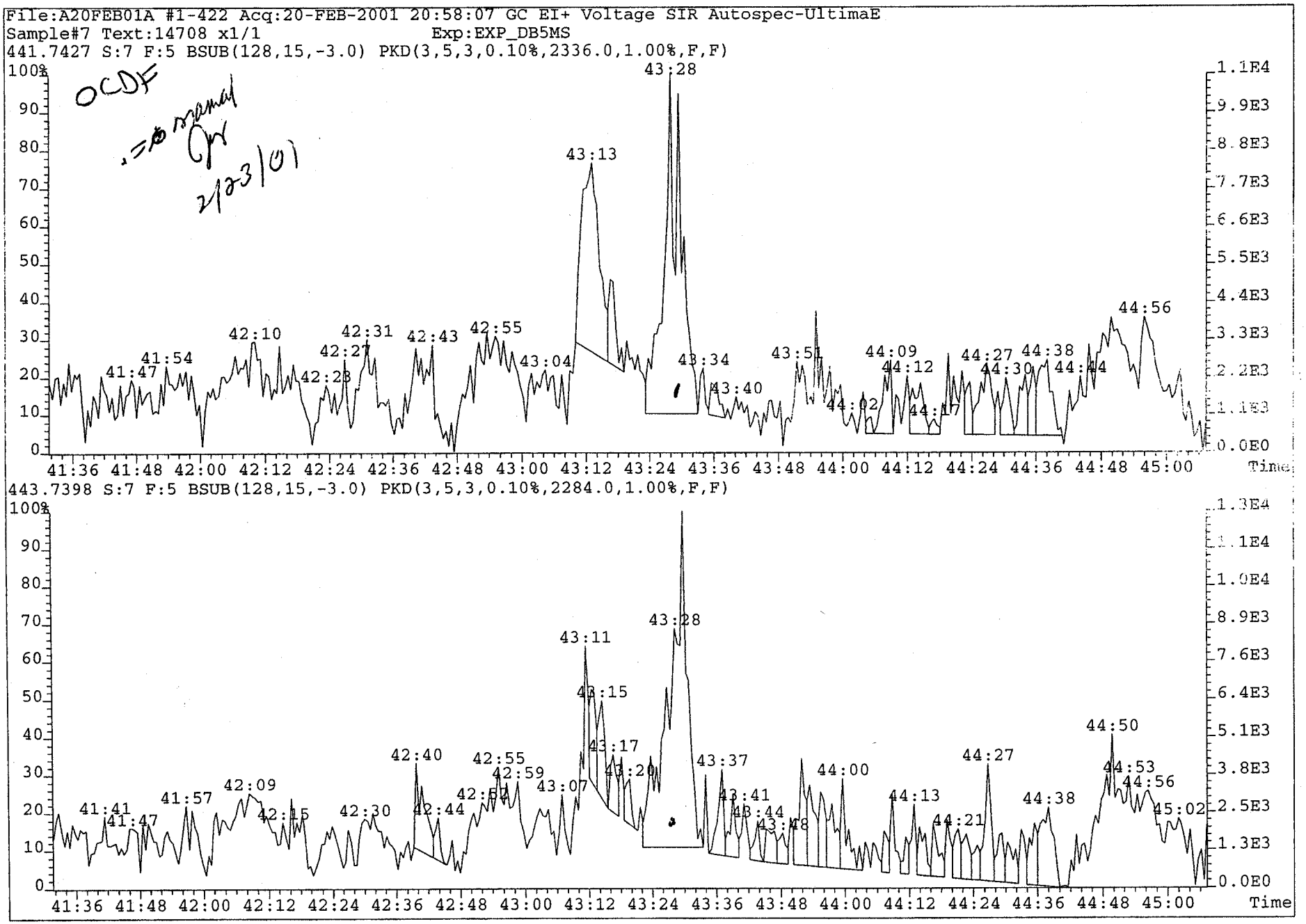

File:A20FEB01A #1-232 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
339.8597 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2956.0,1.00%,F,F)
341.8568 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3404.0,1.00%,F,F)
351.9000 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3028.0,1.00%,F,F)
353.8970 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2676.0,1.00%,F,F)
409.7974 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3248.0,1.00%,F,F)
366.9792 S:7 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

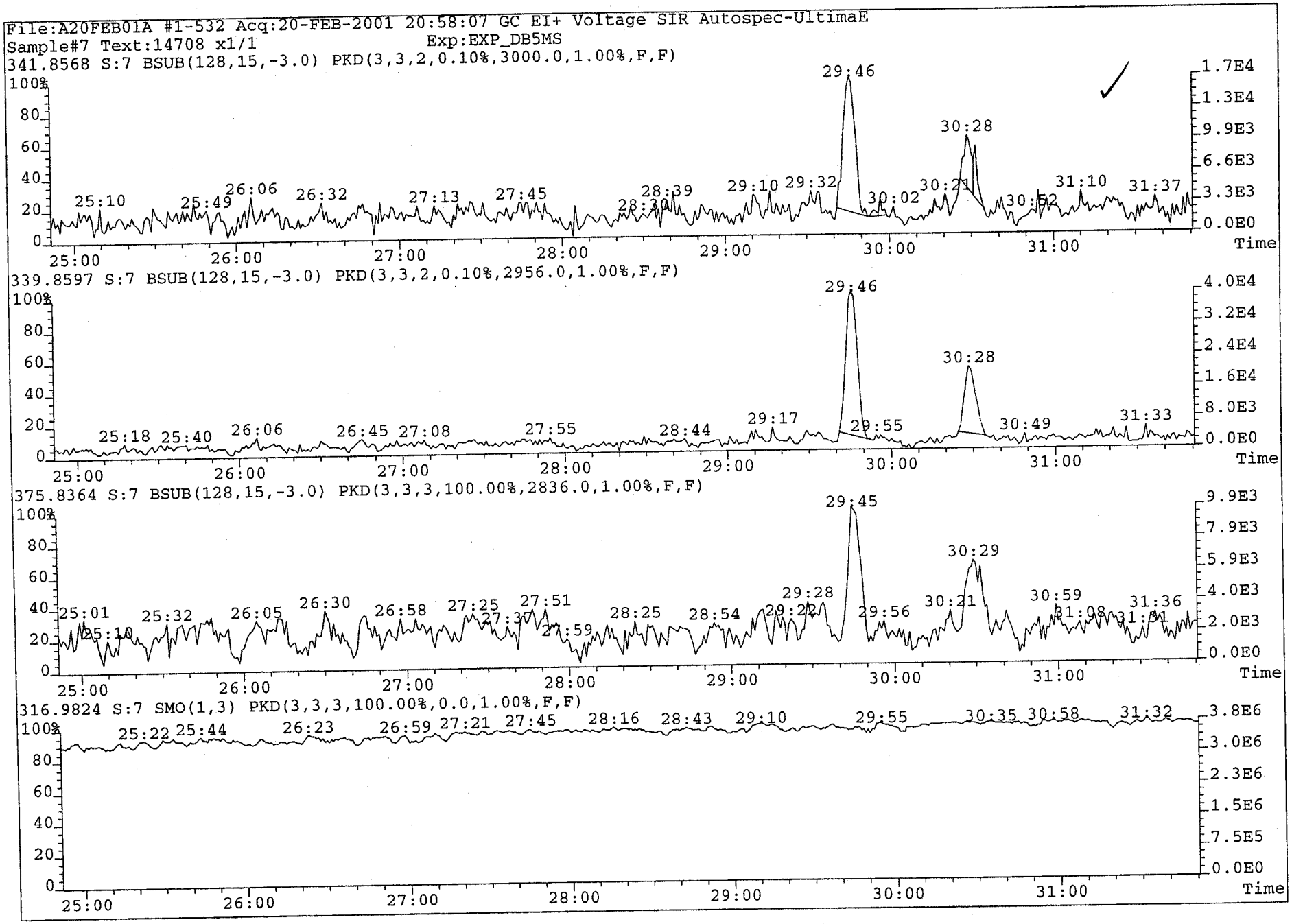

File:A20FEB01A #1-232 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
339.8597 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2956.0,1.00%,F,F)
PeCDF
=manual
Jrg 2/23/01
32:04
32:15
32:22
32:26
32:33
32:37
32:41
32:47
32:51
33:08
33:16
33:22
33:27
33:32
33:38
33:44
33:50
34:01
34:04
34:06
34:09
Time
341.8568 S:7 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3404.0,1.00%,F,F)
32:09
32:37
32:46
32:51
33:04
33:17
33:27
33:39
33:50
33:54
34:04
34:06
Time


File:A20FEB01A #1-298 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
373.8207 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4024.0,1.00%,F,F)
375.8178 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3208.0,1.00%,F,F)
383.8639 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6180.0,1.00%,F,F)
385.8610 S:7 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3388.0,1.00%,F,F)
445.7555 S:7 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2780.0,1.00%,F,F)
380.9760 S:7 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-396 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
407.7818 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3900.0,1.00%,F,F)
409.7788 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4036.0,1.00%,F,F)
417.8253 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,9468.0,1.00%,F,F)
419.8220 S:7 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,12828.0,1.00%,F,F)
479.7165 S:7 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3208.0,1.00%,F,F)
430.9728 S:7 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-422 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
441.7427 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2336.0,1.00%,F,F)
443.7398 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2284.0,1.00%,F,F)
469.7780 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2520.0,1.00%,F,F)
471.7750 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2344.0,1.00%,F,F)
513.6775 S:7 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2436.0,1.00%,F,F)
454.9728 S:7 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-422 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1 Exp:EXP_DB5MS
441.7427 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2336.0,1.00%,F,F)
OCDF
443.7398 S:7 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2284.0,1.00%,F,F)
Time


File:A20FEB01A #1-532 Acq:20-FEB-2001 20:58:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:14708 x1/1
Exp:EXP_DB5MS
341.8568 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3000.0,1.00%,F,F)
339.8597 S:7 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2956.0,1.00%,F,F)
375.8364 S:7 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2836.0,1.00%,F,F)
316.9824 S:7 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Method 1613

UpStream

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	0.0022				
1,2,3,7,8-PeCDD	ND	0.0015				
1,2,3,4,7,8-HxCDD	ND	0.0017				
1,2,3,6,7,8-HxCDD	ND	0.0017				
1,2,3,7,8,9-HxCDD	ND	0.0016				
1,2,3,4,6,7,8-HpCDD	ND	0.0022				
OCDD	0.0181			43:13	0.87	A
2,3,7,8--TCDF	ND	0.0015				
1,2,3,7,8-PeCDF	ND	0.0010				
2,3,4,7,8-PeCDF	ND	0.0009				
1,2,3,4,7,8-HxCDF	ND	0.0009				
1,2,3,6,7,8-HxCDF	ND	0.0009				
2,3,4,6,7,8-HxCDF	ND	0.0010				
1,2,3,7,8,9-HxCDF	ND	0.0012				
1,2,3,4,6,7,8-HpCDF	ND	0.0011				
1,2,3,4,7,8,9-HpCDF	ND	0.0016				
OCDF	ND	0.0027				
Total TCDDs	ND	0.0022				
Total PeCDDs	ND	0.0041				
Total HxCDDs	ND	0.0052				
Total HpCDDs	0.0029					
Total TCDFs	ND	0.0015				
Total PeCDFs	ND	0.0010				
Total HxCDFs	ND	0.0010				
Total HpCDFs	ND	0.0013				
ITEF TEQ (ND=0)	0.0000		0.0000			
ITEF TEQ (ND=½)	0.0023		0.0023			

Client Information

Project Name:	E096-007-5.0040
Sample ID:	UpStream

Laboratory Information

Project ID:	G129-362
Sample ID:	14709
Collection Date/Time:	08-Feb-01 09:00
Receipt Date:	09-Feb-01
Extraction Date:	16-Feb-01
Analysis Date:	20-Feb-01

Sample Information

Matrix:	Aqueous
Weight / Volume:	505 mL
Solids / Lipids:	NA
Original pH :	5
Batch ID:	WG5277
Filename:	a20feb01a-8
Retchk:	a20feb01a-1
Begin ConCal:	a20feb01a-1
Initial Cal:	m1613-052699m

Method 1613

UpStream

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	0.75	75.2	30:28	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.83	82.5	33:38	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.76	75.6	36:05	1.17	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.87	87.1	36:11	1.14	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.73	73.2	39:17	1	
$^{13}C_{12}$-OCDD	2	1.33	66.3	43:13	0.85	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.87	86.7	29:32	0.82	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.92	91.8	32:51	1.63	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.97	96.6	33:27	1.6	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.76	75.7	35:25	0.49	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.89	88.8	35:31	0.5	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.81	80.5	35:58	0.49	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.90	90.0	36:42	0.49	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.89	88.7	38:06	0.47	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.93	92.6	39:54	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.33	83.3	30:30		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:46	0.82	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.49	

Client Information

Project Name: E096-007-5.0040
Sample ID: UpStream

Laboratory Information

Project ID: G129-362
Sample ID: 14709

Collection Date/Time: 08-Feb-01 09:00
Receipt Date: 09-Feb-01
Extraction Date: 16-Feb-01
Analysis Date: 20-Feb-01

Analyzed by: HMP
Date: 23Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 505 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5277

Filename: a20feb01a-8
Retchk: a20feb01a-1
Begin ConCal: a20feb01a-1

Initial Cal: m1613-052699m

Reviewed by: [signature]
Date: 2/23/01

Filename ; a20feb01a
Sample ; 8
Acquired ; 20-FEB-01 21:45:27
Processed ; 21-FEB-01 08:20:16
Sample ID ; 14709 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-022001a
Comments ;

Typ	Name	Resp	Ion 1	Ion 2	RA;?;	RT	Conc	DL	S/N1;?;	S/N2;? ;	mod?
Unk	2,3,7,8-TCDD	1.01e+04	3.65e+03	6.48e+03	0.56;n;	30:29	0.011	0.1120	1;n	1;n ;	no
Unk	1,2,3,7,8-PeCDD	*	*	*	*;n;NotFnd		*	0.0735	*;n	*;n ;	no
Unk	1,2,3,4,7,8-HxCDD	*	*	*	*;n;NotFnd		*	0.0841	*;n	*;n ;	no
Unk	1,2,3,6,7,8-HxCDD	*	*	*	*;n;NotFnd		*	0.0877	*;n	*;n ;	no
Unk	1,2,3,7,8,9-HxCDD	*	*	*	*;n;NotFnd		*	0.0790	*;n	*;n ;	no
Unk	1,2,3,4,6,7,8-HpCDD	*	*	*	*;n;NotFnd		*	0.1126	*;n	*;n ;	no
Unk	OCDD	4.37e+05	2.03e+05	2.34e+05	0.87;y;	43:13	0.915	0.2377	14;y	15;y ;	yes
Unk	2,3,7,8-TCDF	*	*	*	*;n;NotFnd		*	0.0768	*;n	*;n ;	no
Unk	1,2,3,7,8-PeCDF	4.66e+04	2.34e+04	2.32e+04	1.01;n;	32:52	0.036	0.0509	2;n	2;n ;	yes
Unk	2,3,4,7,8-PeCDF	*	*	*	*;n;NotFnd		*	0.0454	*;n	*;n ;	no
Unk	1,2,3,4,7,8-HxCDF	1.39e+04	5.44e+03	8.49e+03	0.64;n;	35:25	0.013	0.0453	1;n	2;n ;	no
Unk	1,2,3,6,7,8-HxCDF	1.09e+04	6.35e+03	4.52e+03	1.40;y;	35:30	0.008	0.0455	1;n	1;n ;	no
Unk	2,3,4,6,7,8-HxCDF	2.32e+04	7.44e+03	1.58e+04	0.47;n;	35:59	0.021	0.0526	1;n	2;n ;	no
Unk	1,2,3,7,8,9-HxCDF	7.23e+03	3.82e+03	3.41e+03	1.12;y;	36:48	0.006	0.0615	1;n	1;n ;	no
Unk	1,2,3,4,6,7,8-HpCDF	*	*	*	*;n;NotFnd		*	0.0554	*;n	*;n ;	no
Unk	1,2,3,4,7,8,9-HpCDF	*	*	*	*;n;NotFnd		*	0.0798	*;n	*;n ;	no
Unk	OCDF	*	*	*	*;n;NotFnd		*	0.1342	*;n	*;n ;	no
ES/RT	13C-2,3,7,8-TCDD	7.79e+07	3.48e+07	4.30e+07	0.81;y;	30:28	37.609	0.0505	1616;y	2757;y ;	no
ES	13C-1,2,3,7,8-PeCDD	7.20e+07	4.41e+07	2.78e+07	1.58;y;	33:38	41.233	0.0559	4393;y	3994;y ;	no
ES	13C-1,2,3,4,7,8-HxCDD	6.08e+07	3.28e+07	2.81e+07	1.17;y;	36:05	37.819	0.0516	3073;y	2579;y ;	no
ES	13C-1,2,3,6,7,8-HxCDD	7.80e+07	4.15e+07	3.65e+07	1.14;y;	36:11	43.548	0.0463	3375;y	2966;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDD	6.28e+07	3.15e+07	3.14e+07	1.00;y;	39:17	36.582	0.0294	2848;y	3180;y ;	no
ES	13C-OCDD	8.87e+07	4.08e+07	4.79e+07	0.85;y;	43:13	66.317	0.0499	2311;y	2743;y ;	no
ES/RT	13C-2,3,7,8-TCDF	1.27e+08	5.73e+07	7.00e+07	0.82;y;	29:32	43.337	0.0382	2995;y	3615;y ;	no
ES	13C-1,2,3,7,8-PeCDF	1.23e+08	7.64e+07	4.69e+07	1.63;y;	32:51	45.878	0.0366	9000;y	5351;y ;	no
ES	13C-2,3,4,7,8-PeCDF	1.23e+08	7.57e+07	4.73e+07	1.60;y;	33:27	48.307	0.0386	9271;y	5613;y ;	no
ES	13C-1,2,3,4,7,8-HxCDF	8.85e+07	2.92e+07	5.93e+07	0.49;y;	35:25	37.867	0.0389	2152;y	6903;y ;	no
ES	13C-1,2,3,6,7,8-HxCDF	1.12e+08	3.71e+07	7.48e+07	0.50;y;	35:31	44.404	0.0361	2200;y	7088;y ;	no
ES	13C-2,3,4,6,7,8-HxCDF	9.50e+07	3.12e+07	6.37e+07	0.49;y;	35:58	40.253	0.0386	1972;y	6418;y ;	no
ES	13C-1,2,3,7,8,9-HxCDF	8.75e+07	2.89e+07	5.87e+07	0.49;y;	36:42	45.019	0.0468	1551;y	4889;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDF	8.27e+07	2.63e+07	5.64e+07	0.47;y;	38:06	44.352	0.2070	1085;y	523;y ;	no
ES	13C-1,2,3,4,7,8,9-HpCDF	7.12e+07	2.22e+07	4.90e+07	0.45;y;	39:54	46.297	0.2511	731;y	374;y ;	no
JS	13C-1,2,3,4-TCDD	1.95e+08	8.78e+07	1.07e+08	0.82;y;	29:46	96.499	-;	4371;y	7279;y ;	no
JS	13C-1,2,3,7,8,9-HxCDD	1.88e+08	1.00e+08	8.74e+07	1.15;y;	36:25	113.871	-;	7192;y	6369;y ;	no
CS	37Cl-2,3,7,8-TCDD	3.81e+07	3.81e+07	-;	-;-;	30:30	16.634	0.0203	2294;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	0.146	0.146	FALSE

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Furans
Sample:	8	Number of Peaks Found:	0
Acquired:	20-FEB-01 21:45:27	RRF Used For Totals:	1.1266
Processed:	21-FEB-01 08:20:16	Detection Limit:	0.0768
Sample ID:	14709 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-022001a	End Window:	

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

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	8	Number of Peaks Found:	3
Acquired:	20-FEB-01 21:45:27	RRF Used For Totals:	1.181
Processed:	21-FEB-01 08:20:16	Detection Limit:	0.112
Sample ID:	14709 x1/1		
Cal Table:	m1613-052699m	Begin Window:	26:48:00
Results Table:	m1613-022001a	End Window:	31:36:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.52E+05	119000	33600	3.53	n	29:32	0.165	S2N	8.3	y	2.5	n	n
2,3,7,8-TCDD	2	1.01E+04	3650	6480	0.56	n	30:29	0.011	S2N	0.6	n	1.2	n	n
	3	9.37E+03	2890	6480	0.44	n	30:33	0.01	S2N	0.4	n	1.2	n	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	8	Number of Peaks Found:	2
Acquired:	20-FEB-01 21:45:27	RRF Used For Totals:	1.096
Processed:	21-FEB-01 08:20:16	Detection Limit:	0.0335
Sample ID:	14709 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-022001a	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.55E+05	73200	182000	0.4	n	29:46	0.189	RT	6.1	y	11.8	y	n

	2	7.78E+04	12200	65700	0.19	n	30:30	0.058	RT	1.3	n	4.3	y	n		

Filename:	a20feb01a		Name of Homolog Group:	Total Penta-Furans Fn2												
Sample:	8		Number of Peaks Found:	2												
Acquired:	20-FEB-01	21:45:27	RRF Used For Totals:	1.096												
Processed:	21-FEB-01	08:20:16	Detection Limit:	0.0481												
Sample ID:	14709 x1/1															
Cal Table:	m1613-052699m		Begin Window:						31:08:00							
Results Table:	m1613-022001a		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	4.66E+04	23400	23200	1.01	n		32:52	0.036	S2N	2.1	n	1.6	n	y
		2	2.01E+04	13400	6730	1.98	n		33:38	0.015	S2N	1.9	n	1	n	n

Filename:	a20feb01a		Name of Homolog Group:	Total Penta-Dioxins												
Sample:	8		Number of Peaks Found:	2												
Acquired:	20-FEB-01	21:45:27	RRF Used For Totals:	1.0298												
Processed:	21-FEB-01	08:20:16	Detection Limit:	0.207												
Sample ID:	14709 x1/1															
Cal Table:	m1613-052699m		Begin Window:						32:15:00							
Results Table:	m1613-022001a		End Window:						33:59:00							
Name	#		Response	Ion 1	Ion 2	RA	?		RT	Conc	Status	S/N1	?	S/N2	?	Mod?
		1	1.40E+05	99100	41300	2.4	n		32:51	0	CF	11.7	y	4.9	y	n
		2	1.53E+05	110000	43600	2.52	n		33:27	0	CF	12.6	y	5.3	y	n

Filename:	a20feb01a		Name of Homolog Group:	Total Hexa-Furans												
Sample:	8		Number of Peaks Found:	23												
Acquired:	20-FEB-01	21:45:27	RRF Used For Totals:	1.2111												
Processed:	21-FEB-01	08:20:16	Detection Limit:	0.0512												
Sample ID:	14709 x1/1															
Cal Table:	m1613-052699m		Begin Window:						34:22:00							
Results Table:	m1613-022001a		End Window:						36:54:00							
Name	#		Response	Ion 1	Ion 2	RA	?		RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,7,8-HxCDF		1	1.39E+04	5440	8490	0.64	n		35:25	0.013	S2N	1.1	n	2	n	n
1,2,3,6,7,8-HxCDF		2	1.09E+04	6350	4520	1.4	y		35:30	0.008	S2N	1.3	n	1	n	n
		3	5.61E+03	4550	1070	4.26	n		35:33	0.005	S2N	0.9	n	0.3	n	n
		4	2.53E+03	1540	990	1.56	n		35:39	0.002	S2N	0.3	n	0.3	n	n
		5	4.16E+03	1580	2580	0.61	n		35:41	0.004	S2N	0.3	n	0.5	n	n
		6	4.93E+03	2350	2580	0.91	n		35:45	0.004	S2N	0.5	n	0.6	n	n
		7	8.08E+03	4210	3880	1.08	y		35:50	0.007	S2N	0.9	n	0.7	n	n
		8	8.35E+03	2030	6320	0.32	n		35:52	0.007	S2N	0.4	n	1.1	n	n
		9	8.01E+03	1690	6320	0.27	n		35:54	0.007	S2N	0.4	n	1.1	n	n

2,3,4,6,7,8-HxCDF	10	2.32E+04	7440	15800	0.47	n	35:59	0.021	S2N	1.4 n	1.7 n n
	11	2.23E+04	6540	15800	0.41	n	36:00	0.019	S2N	1.9 n	1.7 n n
	12	8.25E+04	62900	19600	3.2	n	36:24	0.071	S2N	5.5 y	2.5 n n
	13	5.09E+03	3790	1300	2.92	n	36:30	0.004	S2N	0.6 n	0.2 n n
1,2,3,7,8,9-HxCDF	14	7.23E+03	3820	3410	1.12	y	36:48	0.006	S2N	0.6 n	0.8 n n
	15	2.56E+03	1010	1560	0.65	n	36:51	0.002	S2N	0.2 n	0.5 n n
	16	3.93E+03	2380	1560	1.53	n	36:53	0.003	S2N	0.4 n	0.5 n n
	17	1.15E+04	2570	8930	0.29	n	36:59	0.01	RT	0.8 n	1 n n
	18	1.57E+04	6770	8930	0.76	n	37:01	0.014	RT	0.8 n	1 n n
	19	7.21E+03	2940	4270	0.69	n	37:04	0.006	RT	1 n	0.9 n n
	20	2.06E+04	10800	9760	1.11	y	37:06	0.018	RT	1.1 n	1.3 n n
	21	9.97E+03	5940	4030	1.48	n	37:10	0.009	RT	0.7 n	0.6 n n
	22	2.85E+03	1380	1480	0.93	n	37:17	0.002	RT	0.2 n	0.5 n n
	23	2.13E+03	1160	976	1.19	y	37:20	0.002	RT	0.2 n	0.3 n n

Filename:	a20feb01a	Name of Homolog Group:	Total Hexa-Dioxins
Sample:	8	Number of Peaks Found:	16
Acquired:	20-FEB-01 21:45:27	RRF Used For Totals:	1.0787
Processed:	21-FEB-01 08:20:16	Detection Limit:	0.261
Sample ID:	14709 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:50:00
Results Table:	m1613-022001a	End Window:	36:30:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.45E+05	97500	47600	2.05	n	35:25	0	CF	10.6	y	5.6	y	n
	2	1.96E+05	132000	63700	2.07	n	35:30	0	CF	10.4	y	6.2	y	n
	3	7.32E+03	2930	4390	0.67	n	35:37	0.01	S2N	0.5	n	1.3	n	n
	4	6.57E+03	3420	3150	1.08	y	35:40	0.009	S2N	0.4	n	0.7	n	n
	5	8.00E+03	3540	4460	0.79	n	35:45	0.011	S2N	0.7	n	0.7	n	n
	6	5.68E+03	1220	4460	0.27	n	35:47	0.008	S2N	0.2	n	0.7	n	n
	7	1.49E+05	108000	40800	2.65	n	35:58	0	CF	9.6	y	5.1	y	n
	8	1.54E+05	103000	50900	2.02	n	36:41	0	RT	8.5	y	4.9	y	n
	9	1.10E+04	4940	6090	0.81	n	36:46	0.015	RT	0.8	n	1.4	n	n
	10	1.49E+04	3260	11700	0.28	n	36:49	0.02	RT	0.5	n	1.8	n	n
	11	1.08E+04	6330	4500	1.41	y	37:00	0.014	RT	0.7	n	1.1	n	n
	12	1.03E+04	5400	4890	1.11	y	37:03	0.014	RT	0.7	n	1.1	n	n
	13	1.46E+04	8770	5820	1.51	n	37:06	0.019	RT	1	n	1.4	n	n
	14	1.70E+04	8230	8760	0.94	n	37:10	0.023	RT	0.7	n	1.2	n	n
	15	3.50E+03	1090	2420	0.45	n	37:15	0.005	RT	0.2	n	0.4	n	n
	16	5.27E+03	3340	1930	1.73	n	37:18	0.007	RT	0.4	n	0.5	n	n

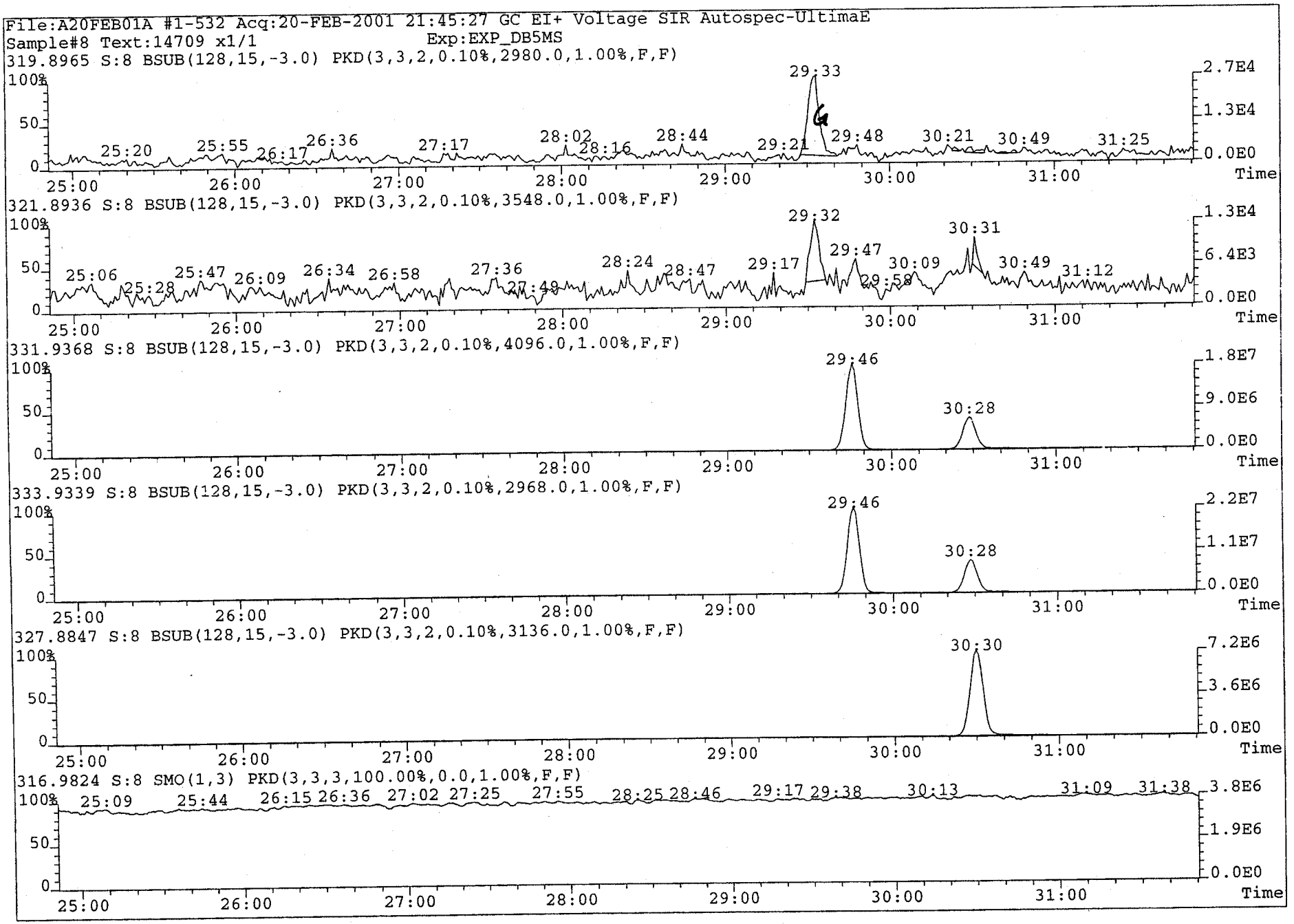
Filename:	a20feb01a	Name of Homolog Group:	Total Hepta-Furans
Sample:	8	Number of Peaks Found:	0
Acquired:	20-FEB-01 21:45:27	RRF Used For Totals:	1.4605

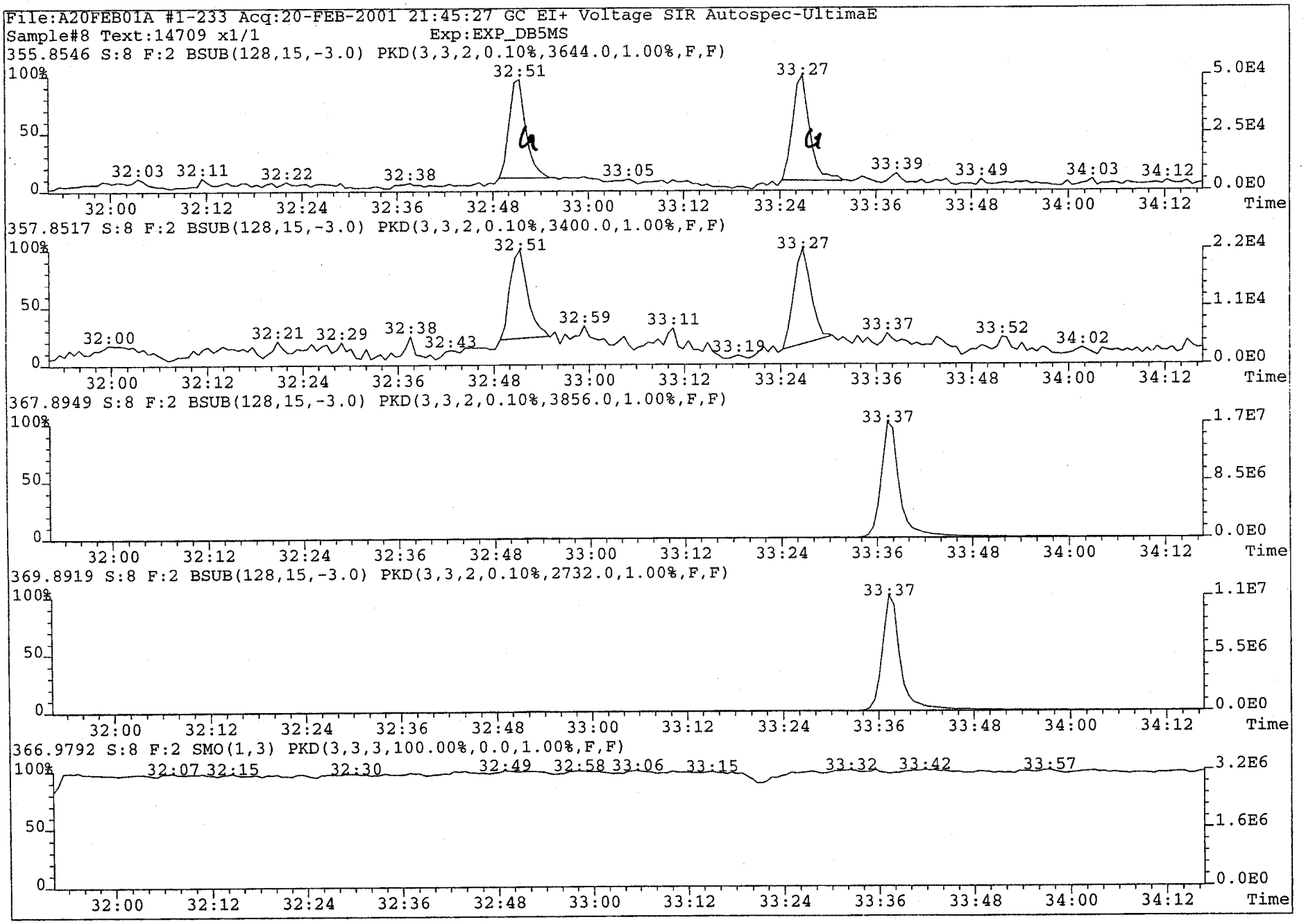
Processed:	21-FEB-01 08:20:16	Detection Limit:	0.0667
Sample ID:	14709 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-022001a	End Window:	

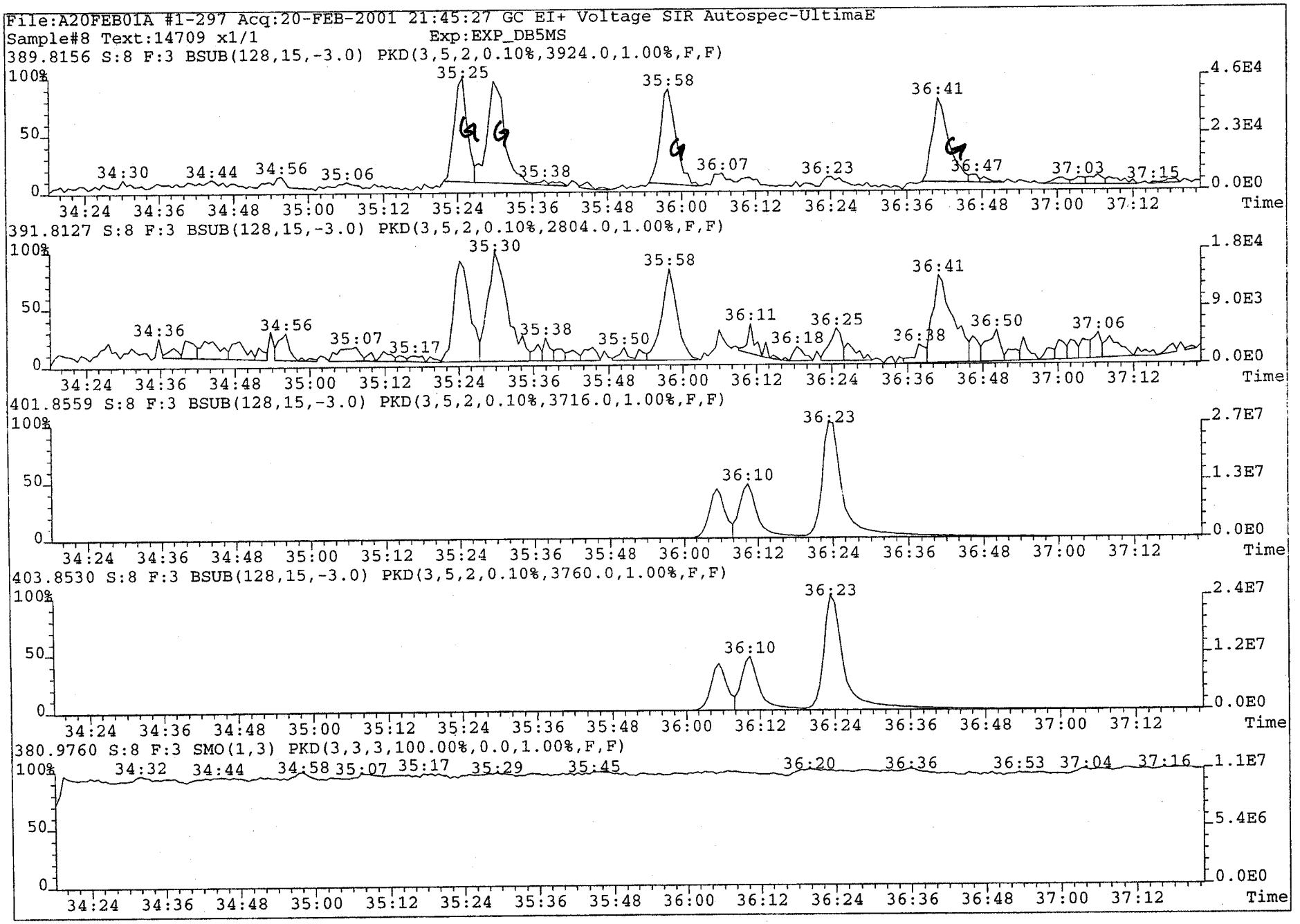
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	*	*	*	*	n	NotFnd	*		*	n	*	n	n

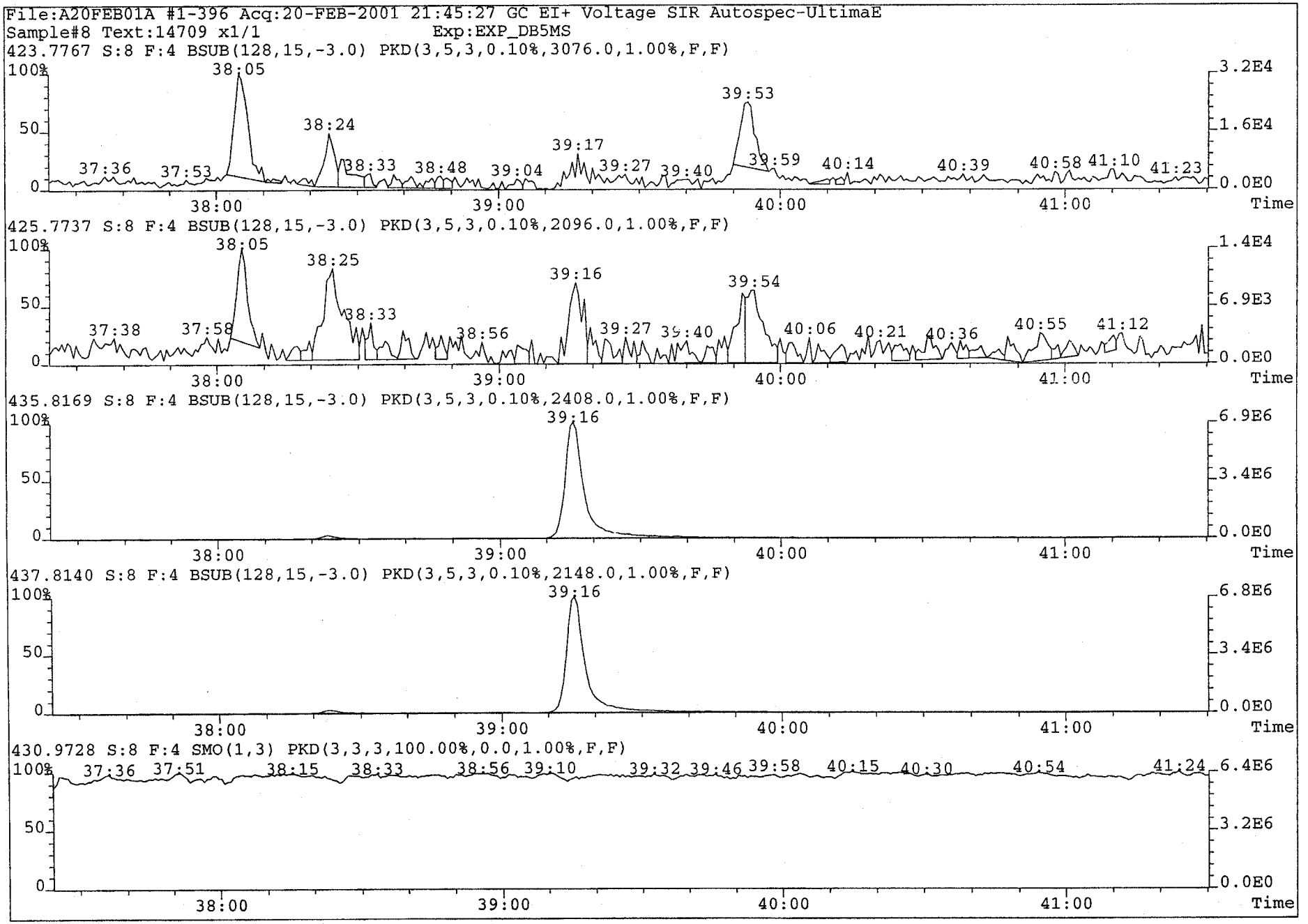
Filename:	a20feb01a	Name of Homolog Group:	Total Hepta-Dioxins
Sample:	8	Number of Peaks Found:	12
Acquired:	20-FEB-01 21:45:27	RRF Used For Totals:	1.0066
Processed:	21-FEB-01 08:20:16	Detection Limit:	0.1126
Sample ID:	14709 x1/1		
Cal Table:	m1613-052699m	Begin Window:	38:16:00
Results Table:	m1613-022001a	End Window:	38:36:00

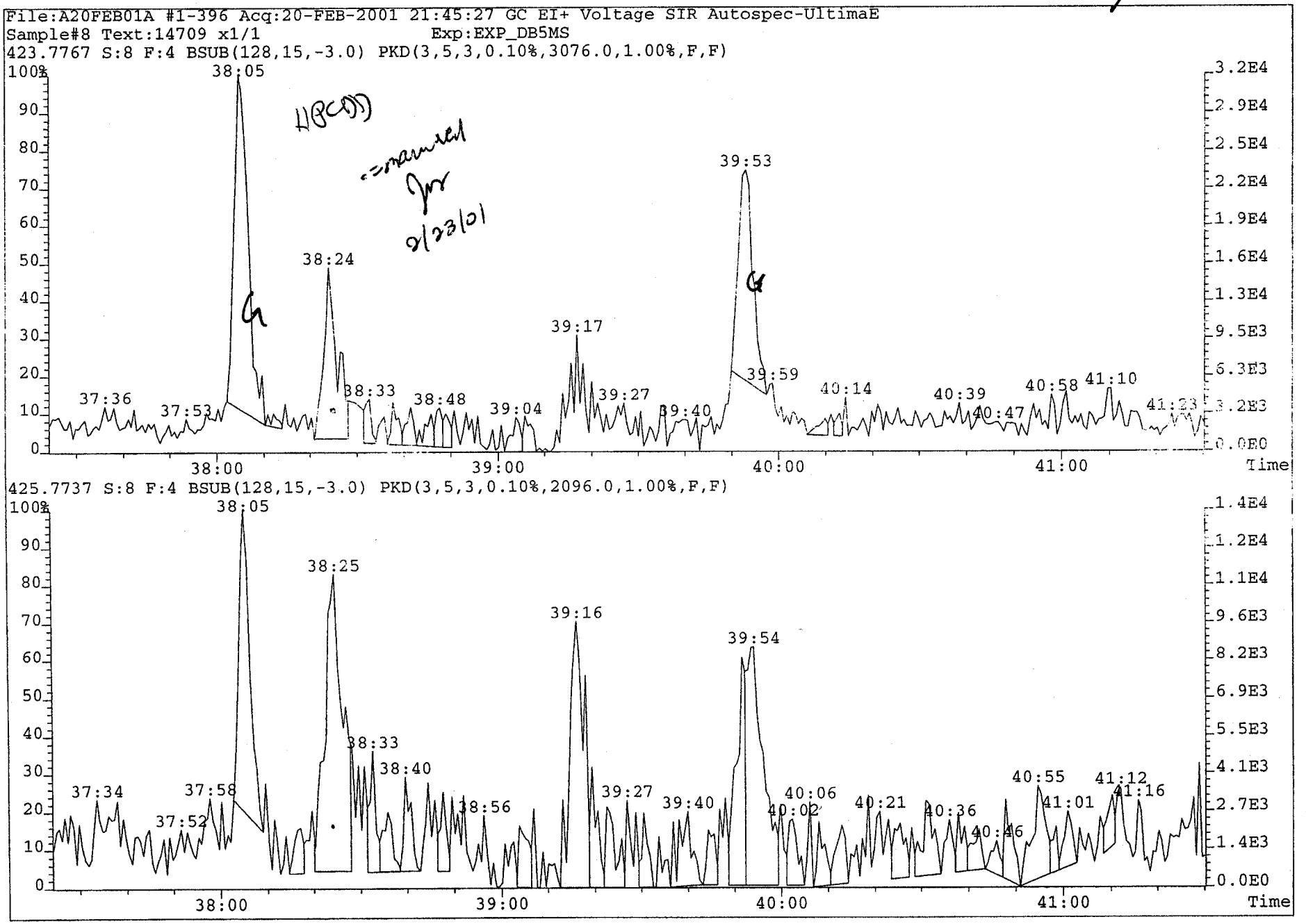
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.24E+05	95100	28800	3.31	n	38:05	0.196	RT	9.1	y	5.2	y	n
	2	9.26E+04	46600	46000	1.01	y	38:25	0.146	OK	4.7	y	5.1	y	y
	3	1.18E+04	5690	6120	0.93	y	38:32	0.019	S2N	1.2	n	2.1	n	n
	4	1.17E+04	5700	6000	0.95	y	38:38	0.019	RT	1.1	n	1.6	n	n
	5	1.17E+04	5720	6000	0.95	y	38:41	0.019	RT	1	n	1.6	n	n
	6	9.45E+03	5310	4140	1.28	n	38:45	0.015	RT	0.9	n	1.4	n	n
	7	9.08E+03	4940	4140	1.19	y	38:47	0.014	RT	1.1	n	1.4	n	n
	8	8.47E+03	4330	4140	1.05	y	38:49	0.013	RT	0.9	n	1.4	n	n
	9	1.10E+04	5830	5160	1.13	y	39:03	0.017	RT	0.9	n	1.1	n	n
	10	9.79E+04	63300	34700	1.83	n	39:53	0.155	RT	5.8	y	4.1	y	n
	11	7.31E+03	3130	4180	0.75	n	40:09	0.012	RT	0.5	n	1.1	n	n
	12	7.65E+03	2650	5000	0.53	n	40:12	0.012	RT	0.6	n	1	n	n


File:A20FEB01A #1-532 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
319.8965 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2980.0,1.00%,F,F)
321.8936 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3548.0,1.00%,F,F)
331.9368 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4096.0,1.00%,F,F)
333.9339 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2968.0,1.00%,F,F)
327.8847 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3136.0,1.00%,F,F)
316.9824 S:8 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

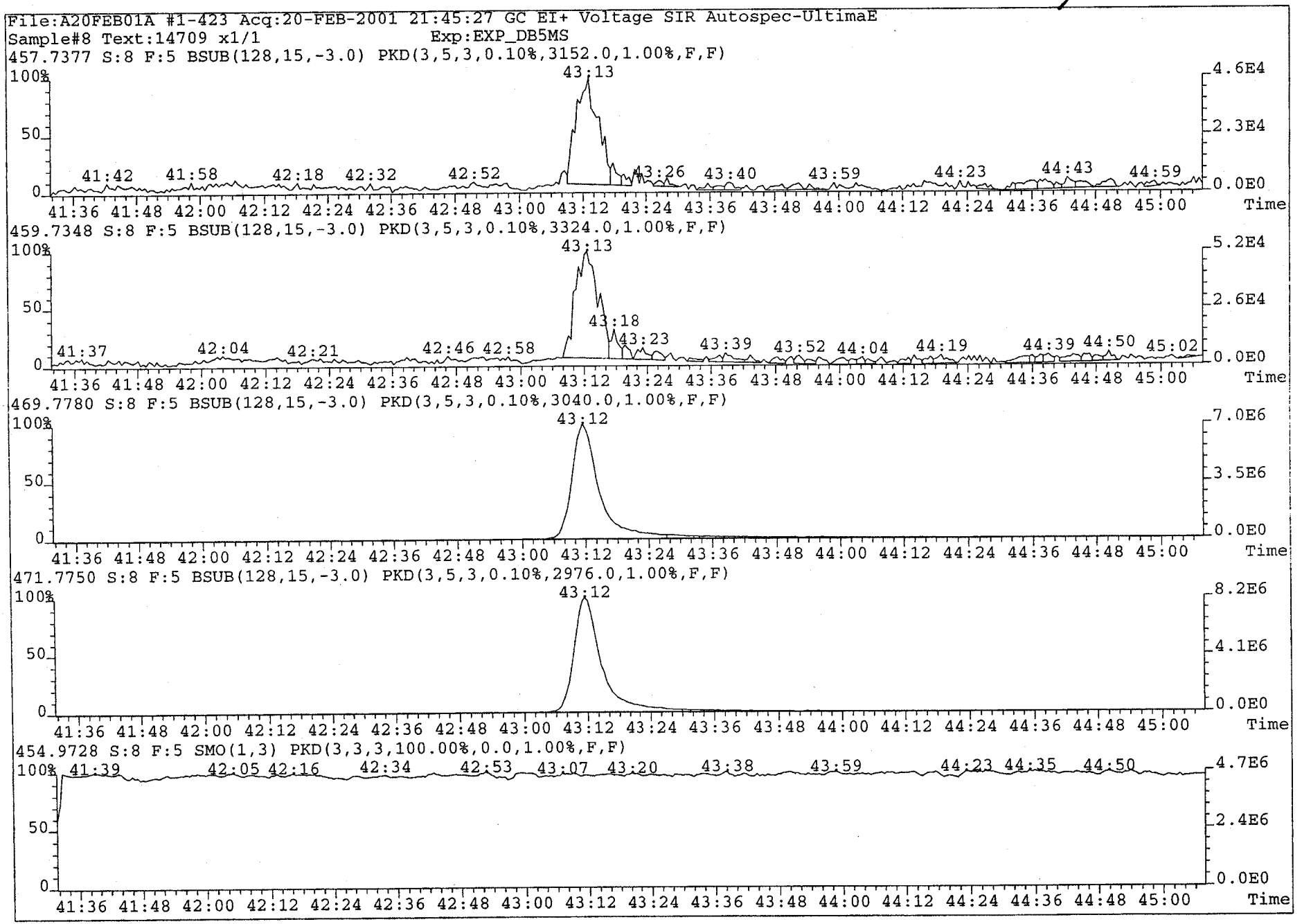

File:A20FEB01A #1-233 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
355.8546 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3644.0,1.00%,F,F)
32:51
33:27
32:03 32:11 32:22 32:38 33:05 33:39 33:49 34:03 34:12
5.0E4
2.5E4
0.0E0
357.8517 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3400.0,1.00%,F,F)
32:51
33:27
32:00 32:21 32:29 32:38 32:43 32:59 33:11 33:19 33:37 33:52 34:02
2.2E4
1.1E4
0.0E0
367.8949 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3856.0,1.00%,F,F)
33:37
1.7E7
8.5E6
0.0E0
369.8919 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2732.0,1.00%,F,F)
33:37
1.1E7
5.5E6
0.0E0
366.9792 S:8 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:07 32:15 32:30 32:49 32:58 33:06 33:15 33:32 33:42 33:57
3.2E6
1.6E6
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

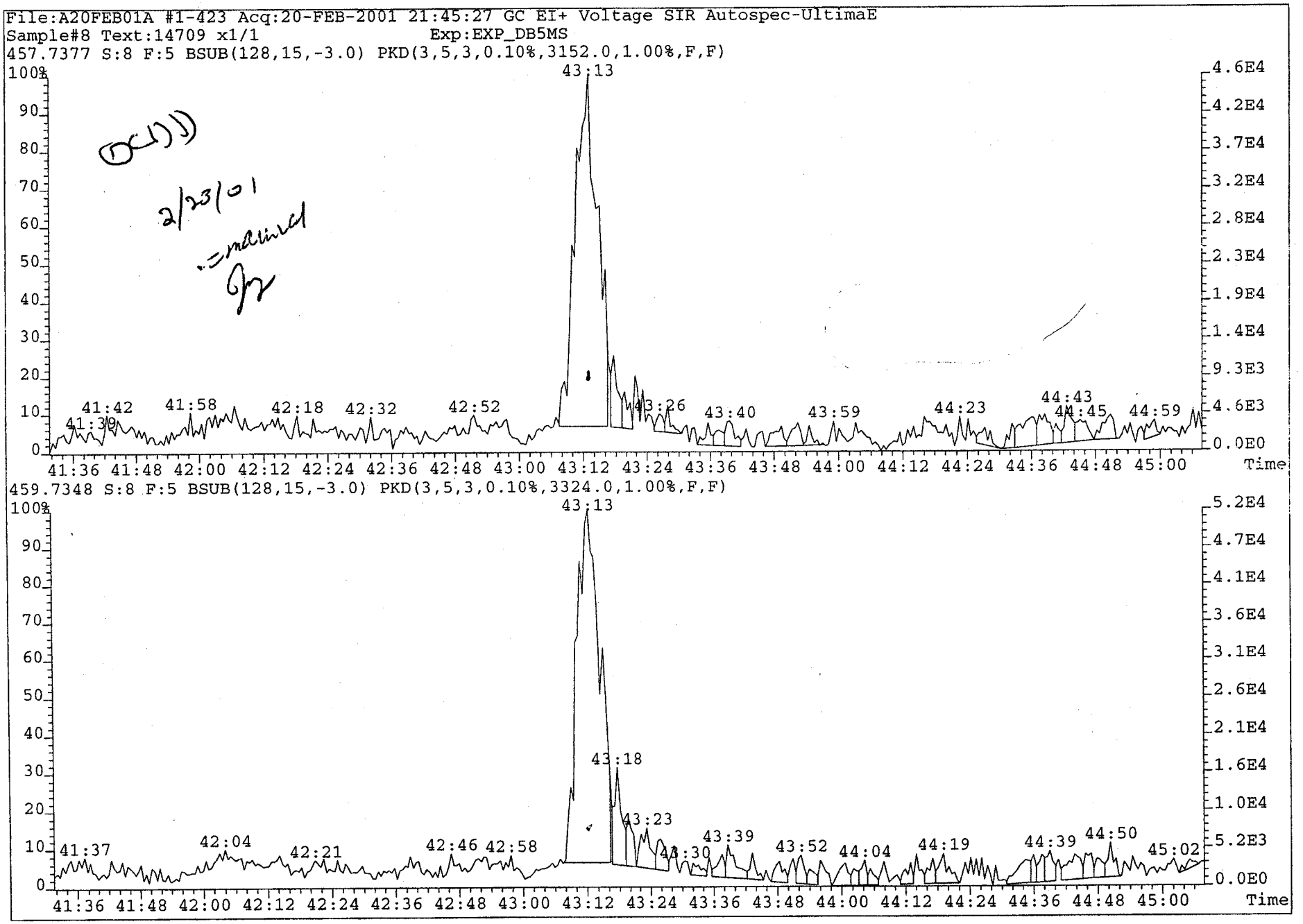

File:A20FEB01A #1-297 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1
Exp:EXP_DB5MS
389.8156 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3924.0,1.00%,F,F)
391.8127 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2804.0,1.00%,F,F)
401.8559 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3716.0,1.00%,F,F)
403.8530 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3760.0,1.00%,F,F)
380.9760 S:8 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

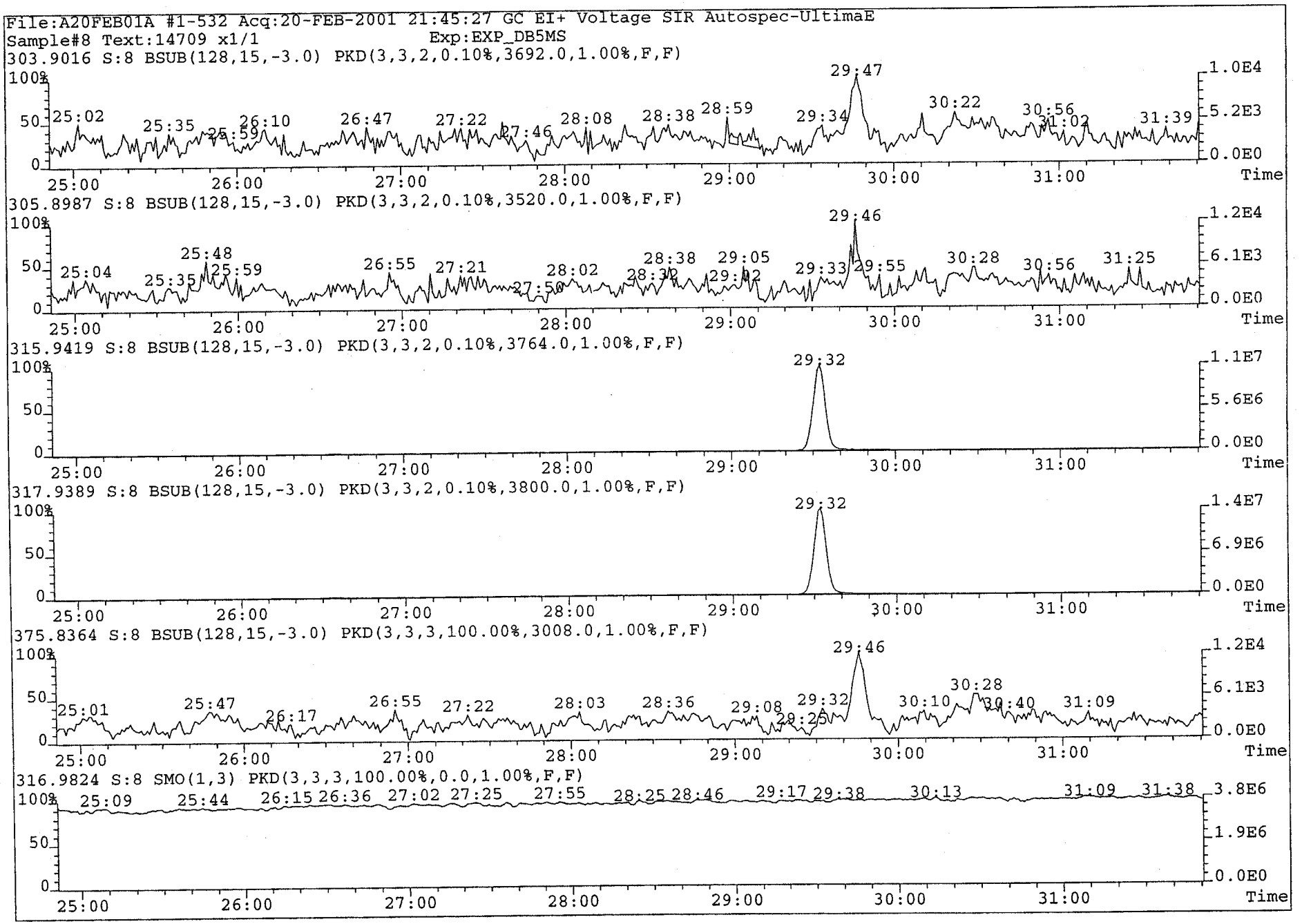

File:A20FEB01A #1-396 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
423.7767 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3076.0,1.00%,F,F)
38:05
38:24
39:53
39:17
37:36
37:53
38:33
38:48
39:04
39:27
39:40
39:59
40:14
40:39
40:58
41:10
41:23
3.2E4
1.6E4
0.0E0
425.7737 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2096.0,1.00%,F,F)
38:05
38:25
39:16
39:54
37:38
37:58
38:33
38:56
39:27
39:40
40:06
40:21
40:36
40:55
41:12
1.4E4
6.9E3
0.0E0
435.8169 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2408.0,1.00%,F,F)
39:16
6.9E6
3.4E6
0.0E0
437.8140 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2148.0,1.00%,F,F)
39:16
6.8E6
3.4E6
0.0E0
430.9728 S:8 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:36
37:51
38:15
38:33
38:56
39:10
39:32
39:46
39:58
40:15
40:30
40:54
41:24
6.4E6
3.2E6
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

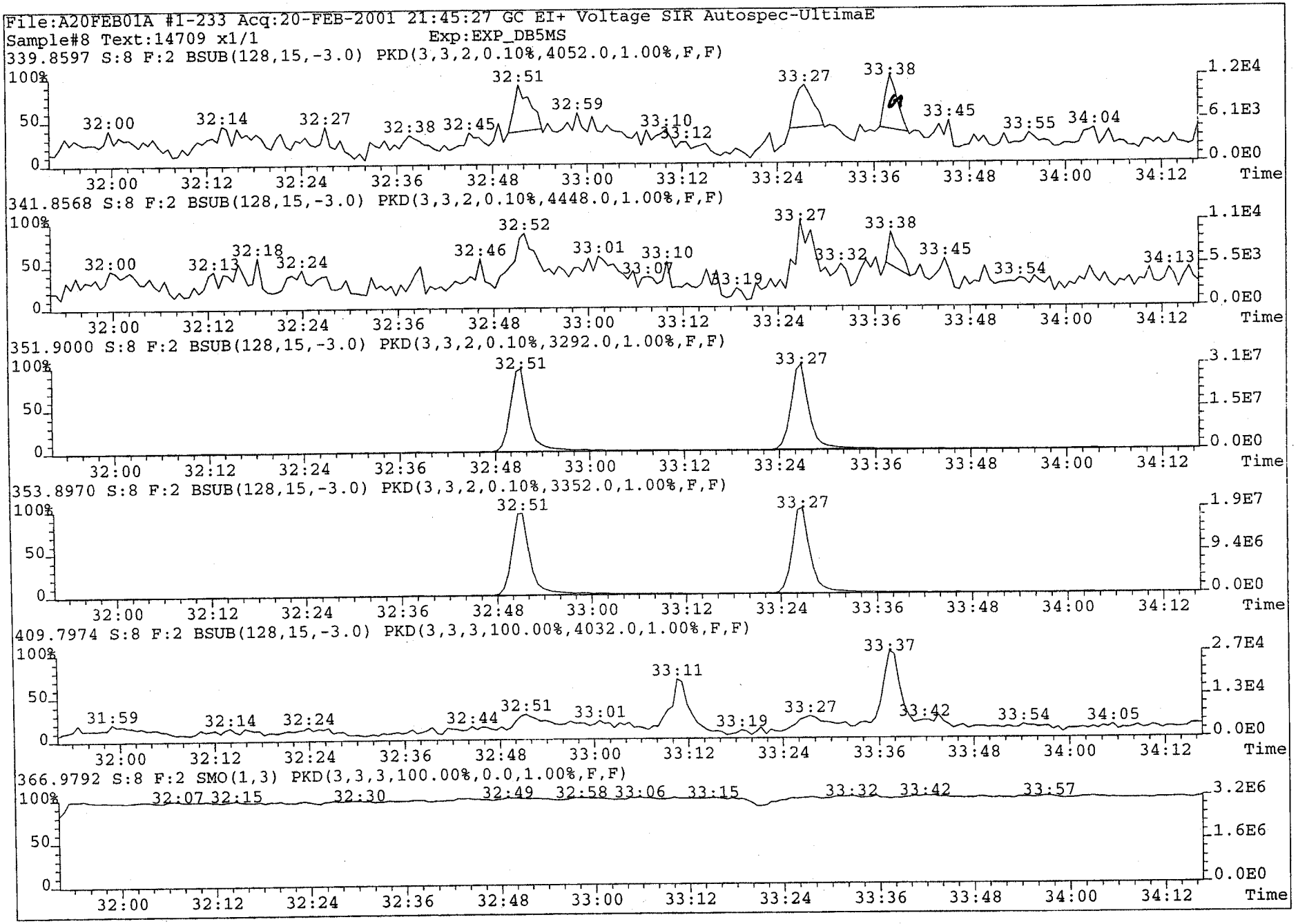

File:A20FEB01A #1-396 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
423.7767 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3076.0,1.00%,F,F)
100%
90
80
70
60
50
40
30
20
10
0
38:05
38:24
39:53
39:17
37:36
37:53
38:33
38:48
39:04
39:27
39:40
39:59
40:14
40:39
40:47
40:58
41:10
41:23
3.2E4
2.9E4
2.5E4
2.2E4
1.9E4
1.6E4
1.3E4
9.5E3
6.3E3
3.2E3
0.0E0
38:00
39:00
40:00
41:00
Time
425.7737 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2096.0,1.00%,F,F)
100%
90
80
70
60
50
40
30
20
10
0
38:05
38:25
39:16
39:54
37:34
37:52
37:58
38:33
38:40
38:56
39:27
39:40
40:02
40:06
40:21
40:36
40:46
40:55
41:01
41:12
41:16
1.4E4
1.2E4
1.1E4
9.6E3
8.2E3
6.9E3
5.5E3
4.1E3
2.7E3
1.4E3
0.0E0
38:00
39:00
40:00
41:00
Time

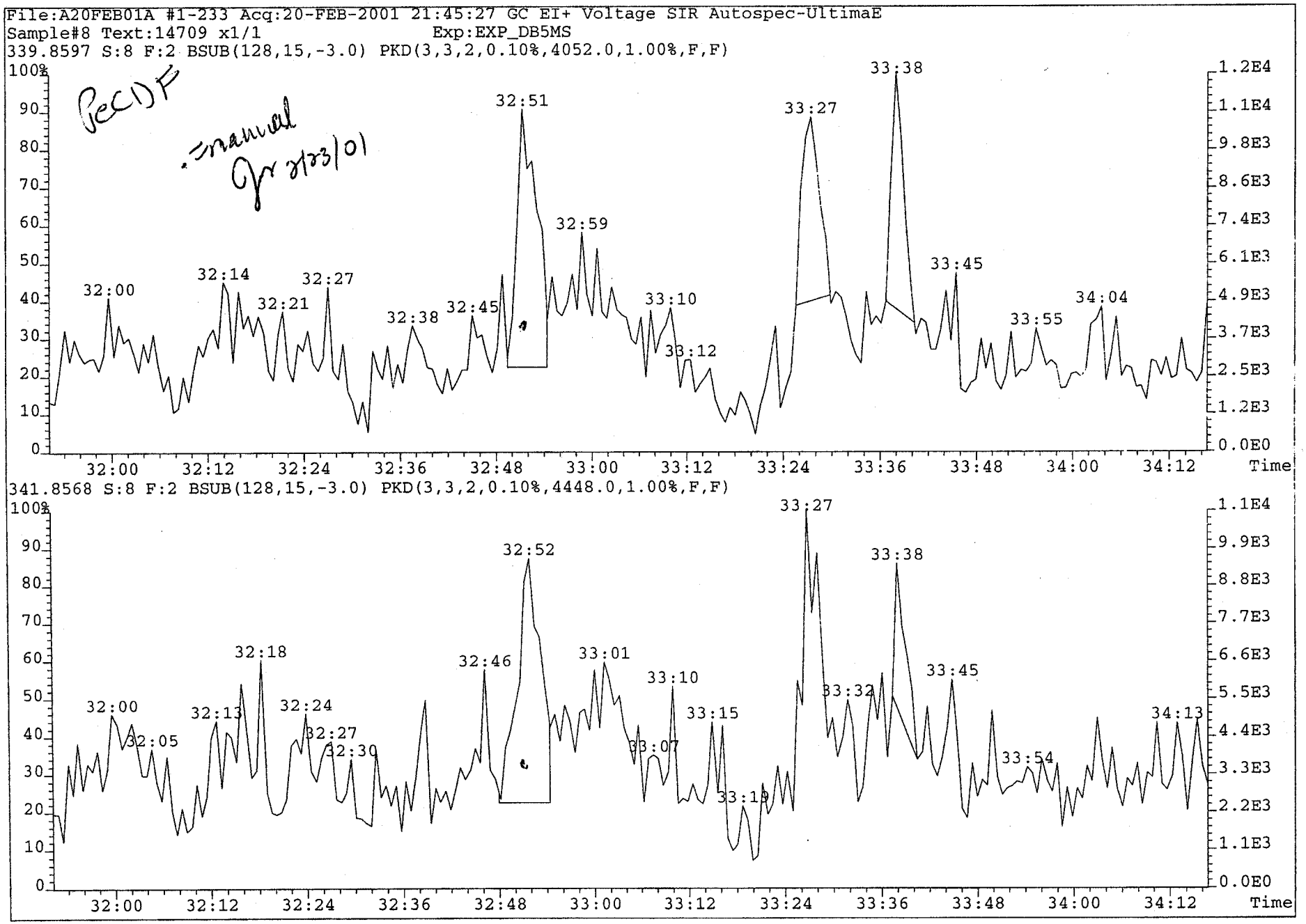
40


File:A20FEB01A #1-423 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
457.7377 S:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3152.0,1.00%,F,F)
43:13
41:42 41:58 42:18 42:32 42:52 43:26 43:40 43:59 44:23 44:43 44:59
4.6E4
2.3E4
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:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3324.0,1.00%,F,F)
43:13
43:18
41:37 42:04 42:21 42:46 42:58 43:23 43:39 43:52 44:04 44:19 44:39 44:50 45:02
5.2E4
2.6E4
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
469.7780 S:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3040.0,1.00%,F,F)
43:12
7.0E6
3.5E6
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:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2976.0,1.00%,F,F)
43:12
8.2E6
4.1E6
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:8 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:39 42:05 42:16 42:34 42:53 43:07 43:20 43:38 43:59 44:23 44:35 44:50
4.7E6
2.4E6
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

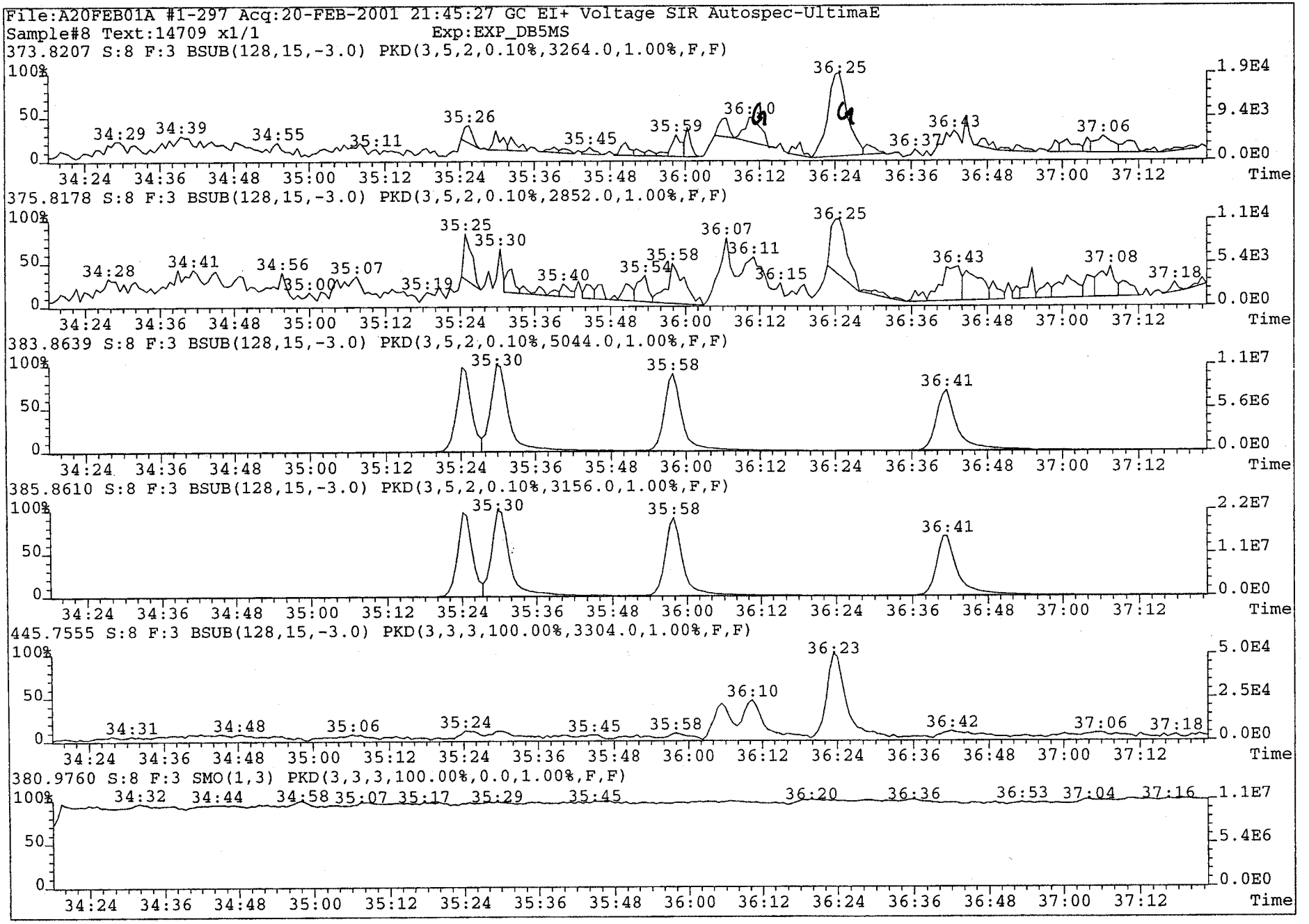

File:A20FEB01A #1-423 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
457.7377 S:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3152.0,1.00%,F,F)
100%
90
80
70
60
50
40
30
20
10
0
43:13
41:42
41:58
42:18
42:32
42:52
43:26
43:40
43:59
44:23
44:43
44:45
44:59
4.6E4
4.2E4
3.7E4
3.2E4
2.8E4
2.3E4
1.9E4
1.4E4
9.3E3
4.6E3
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:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3324.0,1.00%,F,F)
100%
90
80
70
60
50
40
30
20
10
0
43:13
43:18
43:23
41:37
42:04
42:21
42:46
42:58
43:30
43:39
43:52
44:04
44:19
44:39
44:50
45:02
5.2E4
4.7E4
4.1E4
3.6E4
3.1E4
2.6E4
2.1E4
1.6E4
1.0E4
5.2E3
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

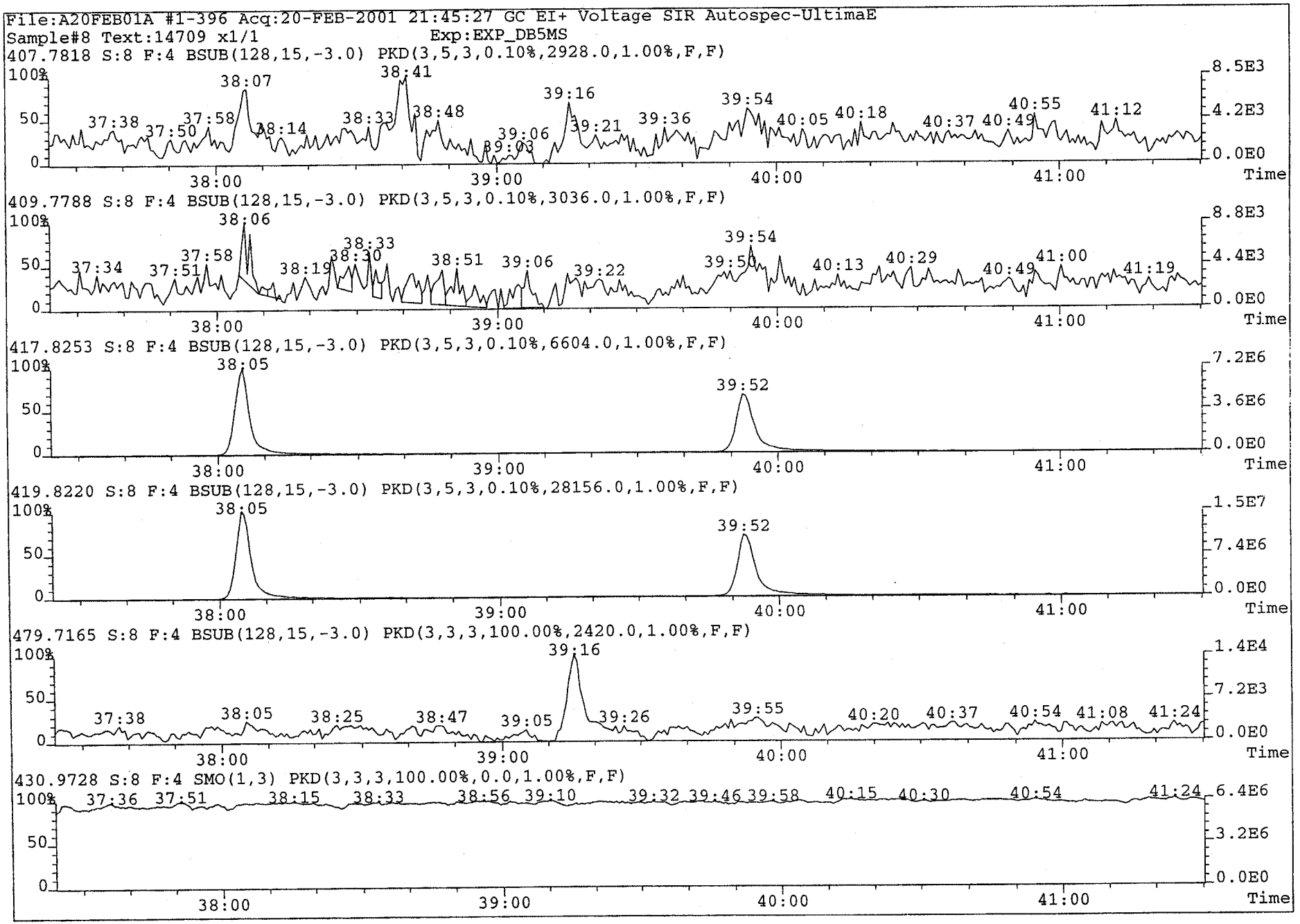

File:A20FEB01A #1-532 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
303.9016 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3692.0,1.00%,F,F)
305.8987 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3520.0,1.00%,F,F)
315.9419 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3764.0,1.00%,F,F)
317.9389 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3800.0,1.00%,F,F)
375.8364 S:8 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3008.0,1.00%,F,F)
316.9824 S:8 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

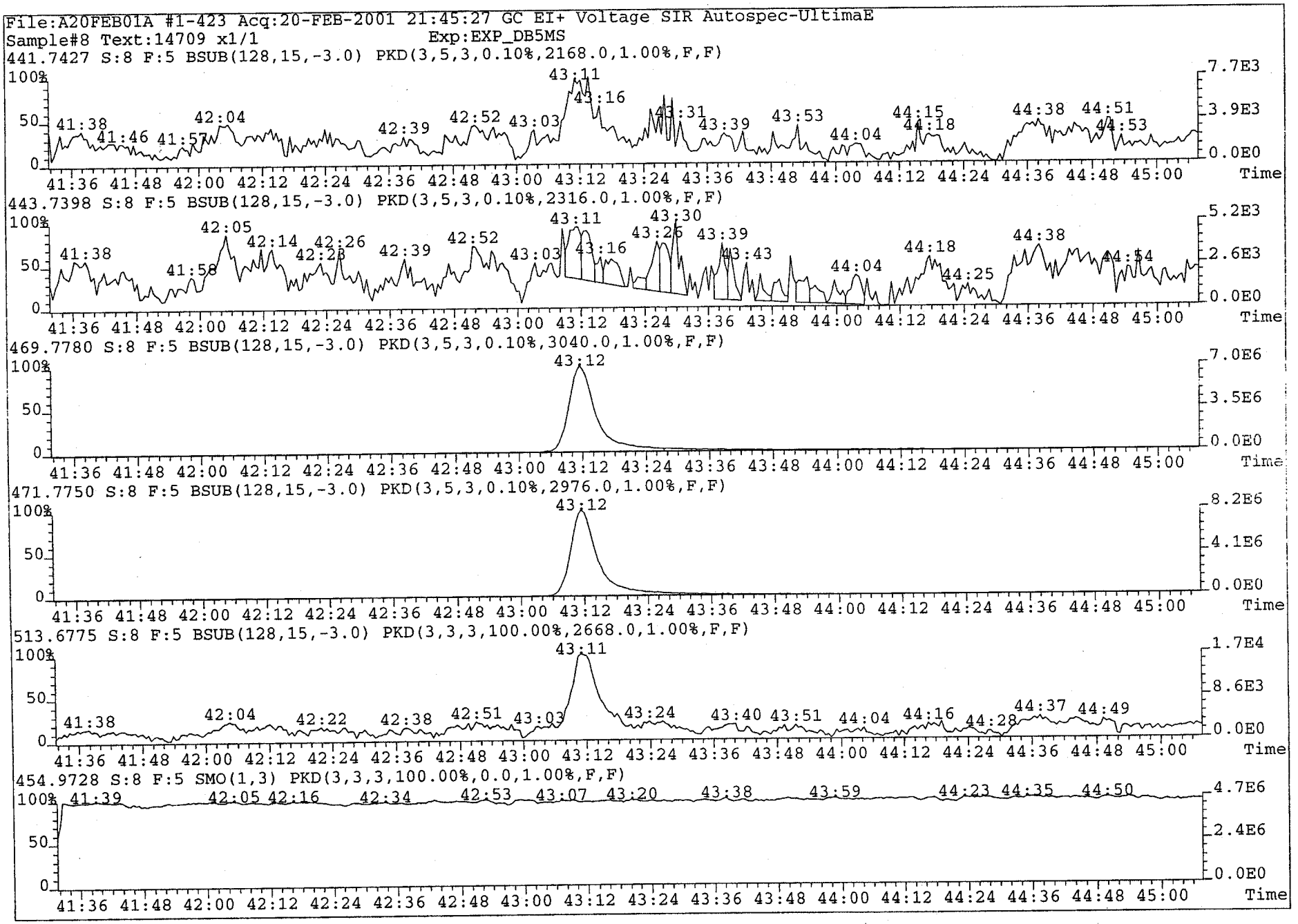

File:A20FEB01A #1-233 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
339.8597 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4052.0,1.00%,F,F)
341.8568 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4448.0,1.00%,F,F)
351.9000 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3292.0,1.00%,F,F)
353.8970 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3352.0,1.00%,F,F)
409.7974 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4032.0,1.00%,F,F)
366.9792 S:8 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

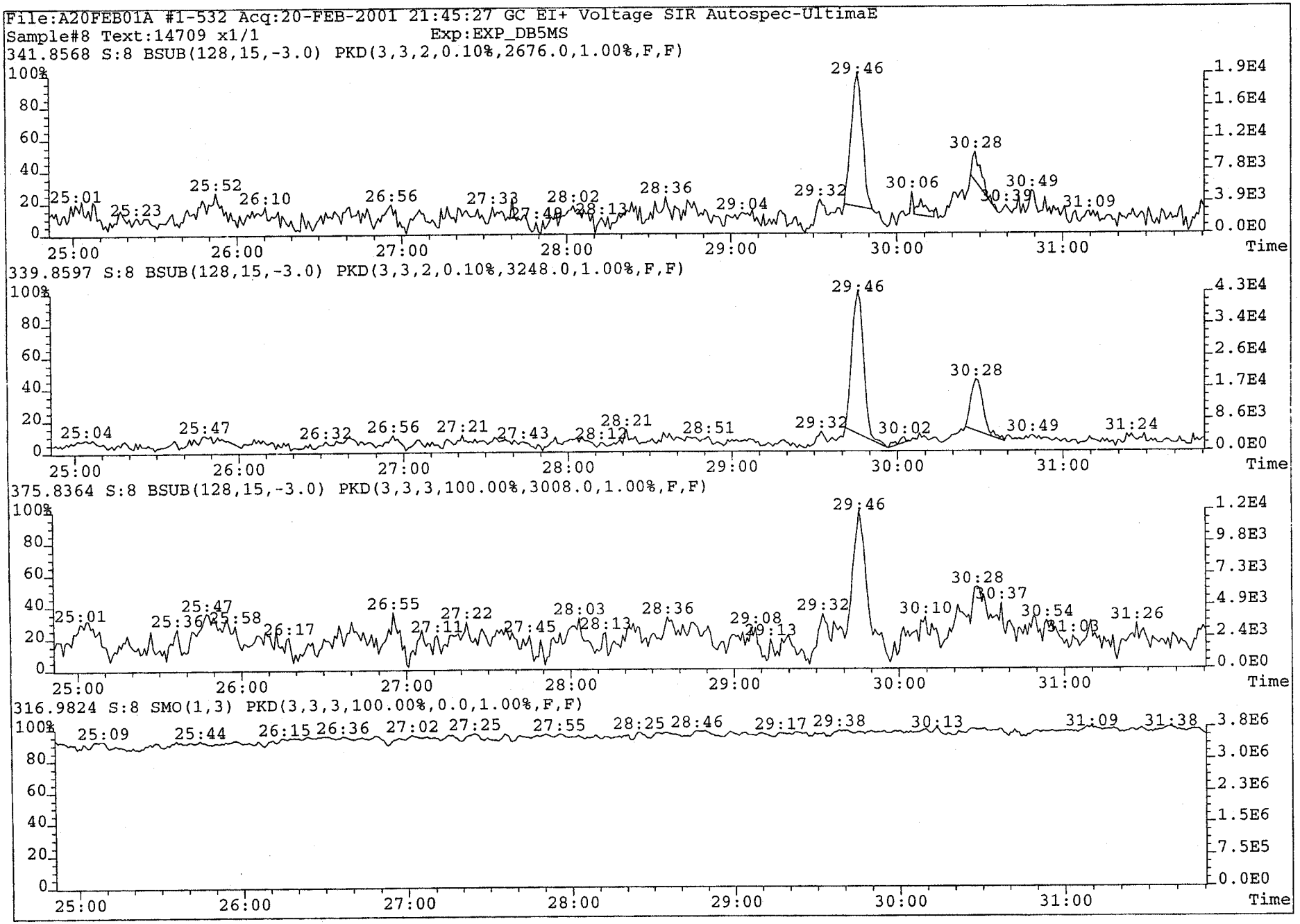

File:A20FEB01A #1-233 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
339.8597 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4052.0,1.00%,F,F)
32:00
32:14
32:21
32:27
32:38
32:45
32:51
32:59
33:10
33:12
33:27
33:38
33:45
33:55
34:04
Time
341.8568 S:8 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4448.0,1.00%,F,F)
32:00
32:05
32:13
32:18
32:24
32:27
32:30
32:46
32:52
33:01
33:07
33:10
33:15
33:19
33:27
33:32
33:38
33:45
33:54
34:13
Time

45


File:A20FEB01A #1-297 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
373.8207 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3264.0,1.00%,F,F)
375.8178 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2852.0,1.00%,F,F)
383.8639 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5044.0,1.00%,F,F)
385.8610 S:8 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3156.0,1.00%,F,F)
445.7555 S:8 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3304.0,1.00%,F,F)
380.9760 S:8 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-396 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1 Exp:EXP_DB5MS
407.7818 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2928.0,1.00%,F,F)
409.7788 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3036.0,1.00%,F,F)
417.8253 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6604.0,1.00%,F,F)
419.8220 S:8 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,28156.0,1.00%,F,F)
479.7165 S:8 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2420.0,1.00%,F,F)
430.9728 S:8 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-423 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1
Exp:EXP_DB5MS
441.7427 S:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2168.0,1.00%,F,F)
443.7398 S:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2316.0,1.00%,F,F)
469.7780 S:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3040.0,1.00%,F,F)
471.7750 S:8 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2976.0,1.00%,F,F)
513.6775 S:8 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2668.0,1.00%,F,F)
454.9728 S:8 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-532 Acq:20-FEB-2001 21:45:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:14709 x1/1
Exp:EXP_DB5MS
341.8568 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2676.0,1.00%,F,F)
339.8597 S:8 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3248.0,1.00%,F,F)
375.8364 S:8 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3008.0,1.00%,F,F)
316.9824 S:8 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Method 1613

DnStream

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	0.0014				
1,2,3,7,8-PeCDD	ND	0.0009				
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	0.0017				
1,2,3,4,6,7,8-HpCDD	0.0082			39:16	0.91	A
OCDD	0.0632			43:13	0.91	A
2,3,7,8--TCDF	ND	0.0009				
1,2,3,7,8-PeCDF	ND	0.0006				
2,3,4,7,8-PeCDF	ND	0.0007				
1,2,3,4,7,8-HxCDF	ND	0.0009				
1,2,3,6,7,8-HxCDF	ND	0.0009				
2,3,4,6,7,8-HxCDF	ND	0.0011				
1,2,3,7,8,9-HxCDF	ND	0.0013				
1,2,3,4,6,7,8-HpCDF	0.0018			38:06	0.92	A
1,2,3,4,7,8,9-HpCDF	ND	0.0016				
OCDF	EMPC	0.0049	0.0051	43:28	0.67	
Total TCDDs	ND	0.0032				
Total PeCDDs	ND	0.0040				
Total HxCDDs	ND	0.0046				
Total HpCDDs	0.0234					
Total TCDFs	ND	0.0009				
Total PeCDFs	ND	0.0007				
Total HxCDFs	ND	0.0011				
Total HpCDFs	0.0018					
ITEF TEQ (ND=0)	0.0002		0.0002			
ITEF TEQ (ND=½)	0.0018		0.0018			

Client Information

Project Name:	E096-007-5.0040
Sample ID:	DnStream

Laboratory Information

Project ID:	G129-362
Sample ID:	14710
Collection Date/Time:	08-Feb-01 09:45
Receipt Date:	09-Feb-01
Extraction Date:	16-Feb-01
Analysis Date:	20-Feb-01

Sample Information

Matrix:	Aqueous
Weight / Volume:	515 mL
Solids / Lipids:	NA
Original pH :	5
Batch ID:	WG5277
Filename:	a20feb01a-9
Retchk:	a20feb01a-1
Begin ConCal:	a20feb01a-1
Initial Cal:	m1613-052699m

Method 1613

DnStream

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	0.88	87.9	30:28	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.89	89.3	33:38	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.81	81.0	36:05	1.19	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.97	96.7	36:11	1.17	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.75	74.9	39:16	1.01	
$^{13}C_{12}$-OCDD	2	1.29	64.4	43:13	0.84	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.95	95.2	29:32	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	1.03	103.2	32:51	1.59	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.97	97.4	33:27	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.83	83.4	35:24	0.50	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.96	96.2	35:31	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.85	85.2	35:58	0.51	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.97	96.8	36:42	0.51	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.91	91.3	38:06	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.91	91.2	39:54	0.46	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.38	94.0	30:30		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:46	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: DnStream

Laboratory Information

Project ID: G129-362
Sample ID: 14710

Collection Date/Time: 08-Feb-01 09:45
Receipt Date: 09-Feb-01
Extraction Date: 16-Feb-01
Analysis Date: 20-Feb-01

Analyzed by: HMP
Date: 23Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 515 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5277

Filename: a20feb01a-9
Retchk: a20feb01a-1
Begin ConCal: a20feb01a-1

Initial Cal: m1613-052699m

Reviewed by: [illegible]
Date: 2/23/01

Filename ; a20feb01a
Sample ; 9
Acquired ; 20-FEB-01 22:32:48
Processed ; 21-FEB-01 08:20:17
Sample ID ; 14710 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-022001a
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;		*;	0.0732;	*;n;	*;n ;	no
Unk	1,2,3,7,8-PeCDD;	*;	*;	*;	*;n;NotFnd;		*;	0.0447;	*;n;	*;n ;	no
Unk	1,2,3,4,7,8-HxCDD;	1.51e+04;	7.62e+03;	7.52e+03;	1.01;n;	36:08;	0.021;	0.0930;	1;n;	1;n ;	no
Unk	1,2,3,6,7,8-HxCDD;	1.03e+04;	7.19e+03;	3.10e+03;	2.32;n;	36:13;	0.013;	0.0941;	1;n;	1;n ;	no
Unk	1,2,3,7,8,9-HxCDD;	5.89e+04;	2.61e+04;	3.28e+04;	0.79;n;	36:25;	0.070;	0.0859;	2;n;	2;n ;	no
Unk	1,2,3,4,6,7,8-HpCDD;	2.65e+05;	1.26e+05;	1.39e+05;	0.91;y;	39:16;	0.422;	0.1101;	13;y;	10;y ;	yes
Unk	OCDD;	1.47e+06;	6.97e+05;	7.69e+05;	0.91;y;	43:13;	3.255;	0.3293;	35;y;	34;y ;	no
Unk	2,3,7,8-TCDF;	1.45e+05;	6.78e+04;	7.71e+04;	0.88;y;	29:33;	0.095;	0.0438;	5;y;	9;y ;	yes
Unk	1,2,3,7,8-PeCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0334;	*;n;	*;n ;	no
Unk	2,3,4,7,8-PeCDF;	5.85e+04;	3.35e+04;	2.50e+04;	1.34;y;	33:27;	0.043;	0.0346;	4;y;	3;y ;	yes
Unk	1,2,3,4,7,8-HxCDF;	4.43e+04;	1.94e+04;	2.50e+04;	0.77;n;	35:26;	0.038;	0.0480;	2;n;	2;n ;	no
Unk	1,2,3,6,7,8-HxCDF;	5.68e+04;	2.83e+04;	2.85e+04;	0.99;n;	35:31;	0.040;	0.0472;	4;y;	2;n ;	no
Unk	2,3,4,6,7,8-HxCDF;	4.60e+04;	2.90e+04;	1.70e+04;	1.71;n;	35:59;	0.041;	0.0555;	3;y;	2;n ;	no
Unk	1,2,3,7,8,9-HxCDF;	2.24e+04;	1.37e+04;	8.68e+03;	1.58;n;	36:42;	0.019;	0.0658;	1;n;	2;n ;	no
Unk	1,2,3,4,6,7,8-HpCDF;	1.14e+05;	5.48e+04;	5.93e+04;	0.92;y;	38:06;	0.094;	0.0535;	6;y;	5;y ;	yes
Unk	1,2,3,4,7,8,9-HpCDF;	*;	*;	*;	*;n;NotFnd;		*;	0.0802;	*;n;	*;n ;	no
Unk	OCDF;	1.45e+05;	5.79e+04;	8.70e+04;	0.67;n;	43:28;	0.262;	0.2533;	3;y;	4;y ;	yes
ES/RT;	13C-2,3,7,8-TCDD;	8.78e+07;	3.93e+07;	4.85e+07;	0.81;y;	30:28;	43.964;	0.0469;	1978;y;	3673;y ;	no
ES	13C-1,2,3,7,8-PeCDD;	7.52e+07;	4.61e+07;	2.91e+07;	1.59;y;	33:38;	44.665;	0.0500;	6196;y;	4416;y ;	no
ES	13C-1,2,3,4,7,8-HxCDD;	6.34e+07;	3.44e+07;	2.89e+07;	1.19;y;	36:05;	40.518;	0.0451;	3688;y;	3136;y ;	no
ES	13C-1,2,3,6,7,8-HxCDD;	8.42e+07;	4.55e+07;	3.87e+07;	1.17;y;	36:11;	48.350;	0.0405;	4174;y;	3713;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDD;	6.25e+07;	3.14e+07;	3.11e+07;	1.01;y;	39:16;	37.434;	0.0416;	2123;y;	2320;y ;	no
ES	13C-OCDD;	8.37e+07;	3.83e+07;	4.54e+07;	0.84;y;	43:13;	64.386;	0.0689;	1585;y;	1914;y ;	no
ES/RT;	13C-2,3,7,8-TCDF;	1.35e+08;	6.03e+07;	7.46e+07;	0.81;y;	29:32;	47.618;	0.0355;	3146;y;	5083;y ;	no
ES	13C-1,2,3,7,8-PeCDF;	1.34e+08;	8.21e+07;	5.17e+07;	1.59;y;	32:51;	51.593;	0.0360;	9753;y;	7442;y ;	no
ES	13C-2,3,4,7,8-PeCDF;	1.20e+08;	7.34e+07;	4.63e+07;	1.58;y;	33:27;	48.703;	0.0380;	8961;y;	6482;y ;	no
ES	13C-1,2,3,4,7,8-HxCDF;	9.48e+07;	3.17e+07;	6.31e+07;	0.50;y;	35:24;	41.709;	0.0490;	1826;y;	5778;y ;	no
ES	13C-1,2,3,6,7,8-HxCDF;	1.18e+08;	4.02e+07;	7.77e+07;	0.52;y;	35:31;	48.106;	0.0454;	1932;y;	6024;y ;	no
ES	13C-2,3,4,6,7,8-HxCDF;	9.77e+07;	3.30e+07;	6.46e+07;	0.51;y;	35:58;	42.592;	0.0485;	1711;y;	5345;y ;	no
ES	13C-1,2,3,7,8,9-HxCDF;	9.15e+07;	3.09e+07;	6.07e+07;	0.51;y;	36:42;	48.401;	0.0588;	1290;y;	4115;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDF;	8.28e+07;	2.59e+07;	5.69e+07;	0.46;y;	38:06;	45.667;	0.1418;	1567;y;	802;y ;	no
ES	13C-1,2,3,4,7,8,9-HpCDF;	6.82e+07;	2.14e+07;	4.67e+07;	0.46;y;	39:54;	45.624;	0.1720;	1070;y;	529;y ;	no
JS	13C-1,2,3,4-TCDD;	1.88e+08;	8.43e+07;	1.04e+08;	0.81;y;	29:46;	93.088;	-;	4478;y;	8417;y ;	no
JS	13C-1,2,3,7,8,9-HxCDD;	1.82e+08;	9.81e+07;	8.44e+07;	1.16;y;	36:25;	110.716;	-;	8252;y;	7250;y ;	no
CS	37Cl-2,3,7,8-TCDD;	4.16e+07;	4.16e+07;	-;	-;-;	30:30;	18.793;	0.0186;	2867;y	;	no

	Conc	Empc	Flags
TCDF	0.095	0.095	FALSE
TCDD	0	0	FALSE
PeCDF	0	0	FALSE
PeCDD	0	0	FALSE
HxCDF	0	0	FALSE
HxCDD	0	0	FALSE
HpCDF	0.17	0.17	FALSE
HpCDD	1.206	1.206	FALSE

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Furans
Sample:	9	Number of Peaks Found:	3
Acquired:	20-FEB-01 22:32:48	RRF Used For Totals:	1.1266
Processed:	21-FEB-01 08:20:17	Detection Limit:	0.0438
Sample ID:	14710 x1/1		
Cal Table:	m1613-052699m	Begin Window:	25:06:00
Results Table:	m1613-022001a	End Window:	31:42:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	4.72E+04	20200	27000	0.75	y	28:38	0.031	S2N	3.6	y	4.3	y	n
	2	3.56E+04	8610	27000	0.32	n	28:41	0.023	S2N	2.2	n	4.3	y	n
2,3,7,8-TCDF	3	1.45E+05	67800	77100	0.88	y	29:33	0.095	~~OK~~ SV	4.7	y	9.5	y	y

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	9	Number of Peaks Found:	1
Acquired:	20-FEB-01 22:32:48	RRF Used For Totals:	1.181
Processed:	21-FEB-01 08:20:17	Detection Limit:	0.165
Sample ID:	14710 x1/1		
Cal Table:	m1613-052699m	Begin Window:	26:48:00
Results Table:	m1613-022001a	End Window:	31:36:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.71E+05	125000	45600	2.75	n	29:32	0	CF	10.8	y	4.3	y	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	9	Number of Peaks Found:	2
Acquired:	20-FEB-01 22:32:48	RRF Used For Totals:	1.096
Processed:	21-FEB-01 08:20:17	Detection Limit:	0.0303
Sample ID:	14710 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-022001a	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.43E+05	58800	184000	0.32	n	29:46	0.175	RT	4.1	y	14.8	y	n

	2	1.07E+05	25200	82100	0.31	n	30:29	0.077	RT		1.9	n	6.4	y	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Furans Fn2
Sample:	9	Number of Peaks Found:	2
Acquired:	20-FEB-01 22:32:48	RRF Used For Totals:	1.096
Processed:	21-FEB-01 08:20:17	Detection Limit:	0.034
Sample ID:	14710 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:08:00
Results Table:	m1613-022001a	End Window:	34:14:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
2,3,4,7,8-PeCDF	1	5.85E+04	33500	25000	1.34	y	33:27	0.043	S2N	4.1	y	3.1	y	y
	2	3.51E+04	26200	8870	2.96	n	33:38	0.025	S2N	3.1	y	1.2	n	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Dioxins
Sample:	9	Number of Peaks Found:	2
Acquired:	20-FEB-01 22:32:48	RRF Used For Totals:	1.0298
Processed:	21-FEB-01 08:20:17	Detection Limit:	0.206
Sample ID:	14710 x1/1		
Cal Table:	m1613-052699m	Begin Window:	32:15:00
Results Table:	m1613-022001a	End Window:	33:59:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.60E+05	118000	41200	2.87	n	32:51	0	CF	16.7	y	10.3	y	n
	2	1.42E+05	89500	53000	1.69	y	33:27	0	CF	14.6	y	9.5	y	n

Filename:	a20feb01a	Name of Homolog Group:	Total Hexa-Furans
Sample:	9	Number of Peaks Found:	18
Acquired:	20-FEB-01 22:32:48	RRF Used For Totals:	1.2111
Processed:	21-FEB-01 08:20:17	Detection Limit:	0.054
Sample ID:	14710 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:22:00
Results Table:	m1613-022001a	End Window:	36:54:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,7,8-HxCDF	1	4.43E+04	19400	25000	0.77	n	35:26	0.038	S2N	2	n	2.1	n	n
1,2,3,6,7,8-HxCDF	2	5.68E+04	28300	28500	0.99	n	35:31	0.04	S2N	3.6	y	2.4	n	n
	3	4.93E+03	1860	3070	0.61	n	35:35	0.004	S2N	0.4	n	1	n	n
	4	7.83E+03	2970	4870	0.61	n	35:45	0.006	S2N	0.4	n	0.7	n	n
	5	7.49E+03	4490	3000	1.5	n	35:49	0.006	S2N	0.7	n	0.7	n	n
	6	9.10E+03	6740	2360	2.85	n	35:51	0.007	S2N	0.9	n	0.7	n	n
2,3,4,6,7,8-HxCDF	7	4.60E+04	29000	17000	1.71	n	35:59	0.041	S2N	3.2	y	2	n	n
	8	1.09E+05	88700	20600	4.3	n	36:26	0.09	S2N	5.2	y	2.3	n	n

	9	8.38E+03	5860	2520	2.33	n	36:36	0.007	S2N	0.6	n	0.5 n n
	10	1.11E+04	2390	8680	0.28	n	36:39	0.009	S2N	0.5	n	2.1 n n
1,2,3,7,8,9-HxCDF	11	2.24E+04	13700	8680	1.58	n	36:42	0.019	S2N	1.4	n	2.1 n n
	12	1.15E+04	7600	3900	1.95	n	36:46	0.009	S2N	0.9	n	0.7 n n
	13	1.26E+04	8120	4500	1.81	n	36:51	0.01	S2N	0.8	n	1 n n
	14	4.36E+03	1750	2610	0.67	n	36:59	0.004	RT	0.3	n	0.4 n n
	15	9.84E+03	4030	5810	0.69	n	37:10	0.008	RT	0.4	n	0.7 n n
	16	8.37E+03	2560	5810	0.44	n	37:13	0.007	RT	0.3	n	0.7 n n
	17	8.05E+03	5130	2920	1.76	n	37:16	0.007	RT	0.7	n	0.7 n n
	18	6.80E+03	3260	3530	0.92	n	37:20	0.006	RT	0.5	n	0.6 n n

Filename: a20feb01a
Sample: 9
Acquired: 20-FEB-01 22:32:48
Processed: 21-FEB-01 08:20:17
Sample ID: 14710 x1/1
Cal Table: m1613-052699m
Results Table: m1613-022001a

Name of Homolog Group: Total Hexa-Dioxins
Number of Peaks Found: 20
RRF Used For Totals: 1.0787
Detection Limit: 0.238
Begin Window: 34:50:00
End Window: 36:30:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	7.27E+04	35500	37100	0.96	n	34:55	0.091	S2N	4.4	y	3.5	y	y
	2	9.53E+03	4520	5010	0.9	n	35:49	0.012	S2N	1.1	n	0.7	n	n
	3	1.31E+04	4990	8070	0.62	n	35:51	0.016	S2N	0.5	n	0.8	n	n
	4	1.90E+05	137000	53000	2.58	n	35:58	0	CF	11.3	y	4.1	y	n
	5	2.27E+04	13800	8920	1.55	n	36:05	0.029	S2N	1.9	n	1.2	n	n
1,2,3,4,7,8-HxCDD	6	1.51E+04	7620	7520	1.01	n	36:08	0.021	S2N	0.9	n	1.3	n	n
	7	2.91E+04	6640	22500	0.3	n	36:10	0.037	S2N	1.1	n	1.4	n	n
1,2,3,6,7,8-HxCDD	8	1.03E+04	7190	3100	2.32	n	36:13	0.013	S2N	0.8	n	0.5	n	n
	9	5.08E+03	3660	1430	2.56	n	36:18	0.006	S2N	0.5	n	0.3	n	n
	10	8.93E+03	3860	5070	0.76	n	36:21	0.011	S2N	0.6	n	0.6	n	n
1,2,3,7,8,9-HxCDD	11	5.89E+04	26100	32800	0.79	n	36:25	0.07	S2N	2.2	n	1.7	n	n
	12	1.47E+04	4950	9710	0.51	n	36:28	0.018	S2N	0.8	n	1.2	n	n
	13	1.17E+04	4510	7160	0.63	n	36:30	0.015	S2N	0.7	n	0.9	n	n
	14	1.21E+04	3340	8800	0.38	n	36:34	0.015	RT	0.6	n	0.5	n	n
	15	1.59E+05	114000	44700	2.55	n	36:41	0	RT	8.7	y	3.2	y	n
	16	1.38E+04	4910	8890	0.55	n	36:47	0.017	RT	1.2	n	0.9	n	n
	17	1.67E+04	7820	8890	0.88	n	36:48	0.021	RT	1.4	n	0.9	n	n
	18	1.49E+04	5280	9640	0.55	n	36:50	0.019	RT	1	n	1.1	n	n
	19	5.96E+03	3190	2770	1.15	y	36:53	0.007	RT	0.3	n	0.4	n	n
	20	4.21E+03	1450	2770	0.52	n	36:55	0.005	RT	0.3	n	0.4	n	n

Filename: a20feb01a
Sample: 9
Acquired: 20-FEB-01 22:32:48
Processed: 21-FEB-01 08:20:17

Name of Homolog Group: Total Hepta-Furans
Number of Peaks Found: 12
RRF Used For Totals: 1.4605
Detection Limit: 0.0655

Sample ID: 14710 x1/1
Cal Table: m1613-052699m
Results Table: m1613-022001a

Begin Window: 37:55:00
End Window: 40:04:00

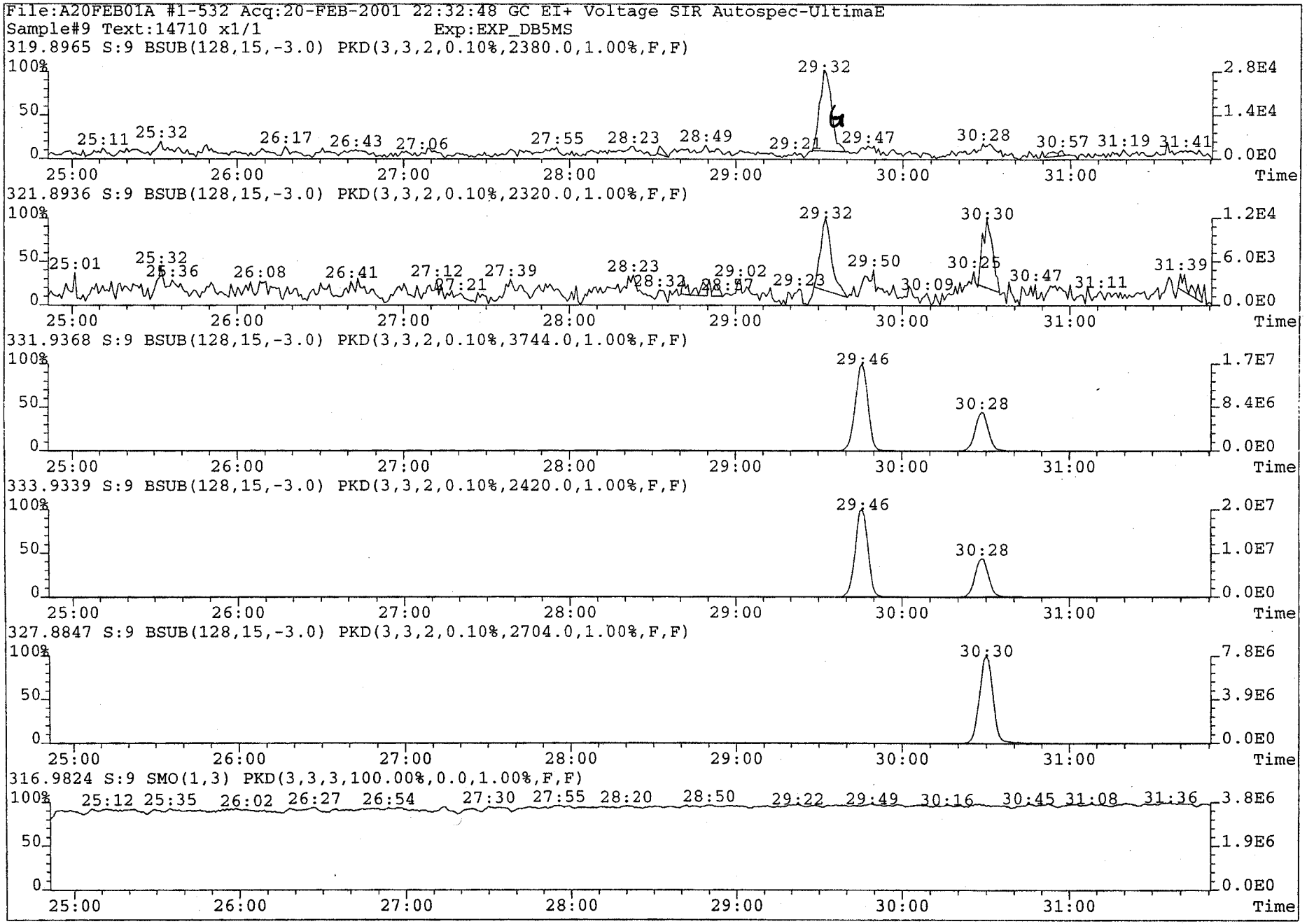
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,6,7,8-HpCDI	1	1.14E+05	54800	59300	0.92	y	38:06	0.094	OK	5.6	y	5.1	y	y
	2	1.53E+04	4300	11000	0.39	n	38:20	0.014	S2N	0.8	n	1.2	n	n
	3	1.36E+04	2680	11000	0.24	n	38:22	0.012	S2N	0.9	n	1.2	n	n
	4	1.81E+04	10200	7890	1.29	n	38:25	0.016	S2N	1.3	n	1.3	n	n
	5	1.05E+04	6350	4190	1.51	n	38:28	0.01	S2N	0.9	n	0.7	n	n
	6	2.44E+04	7160	17200	0.42	n	38:31	0.022	S2N	1.5	n	3.8	y	n
	7	8.33E+04	44100	39200	1.12	y	38:35	0.076	OK	4.4	y	4.4	y	n
	8	1.00E+04	7670	2370	3.24	n	38:42	0.009	S2N	1.8	n	0.4	n	n
	9	2.06E+04	11200	9430	1.18	y	38:48	0.019	S2N	1.6	n	1.1	n	n
	10	7.71E+03	4690	3030	1.55	n	38:58	0.007	S2N	0.9	n	0.5	n	n
	11	7.71E+03	4240	3480	1.22	n	39:03	0.007	S2N	0.7	n	0.6	n	n
	12	6.55E+03	4650	1900	2.44	n	39:57	0.006	S2N	1.3	n	0.6	n	n

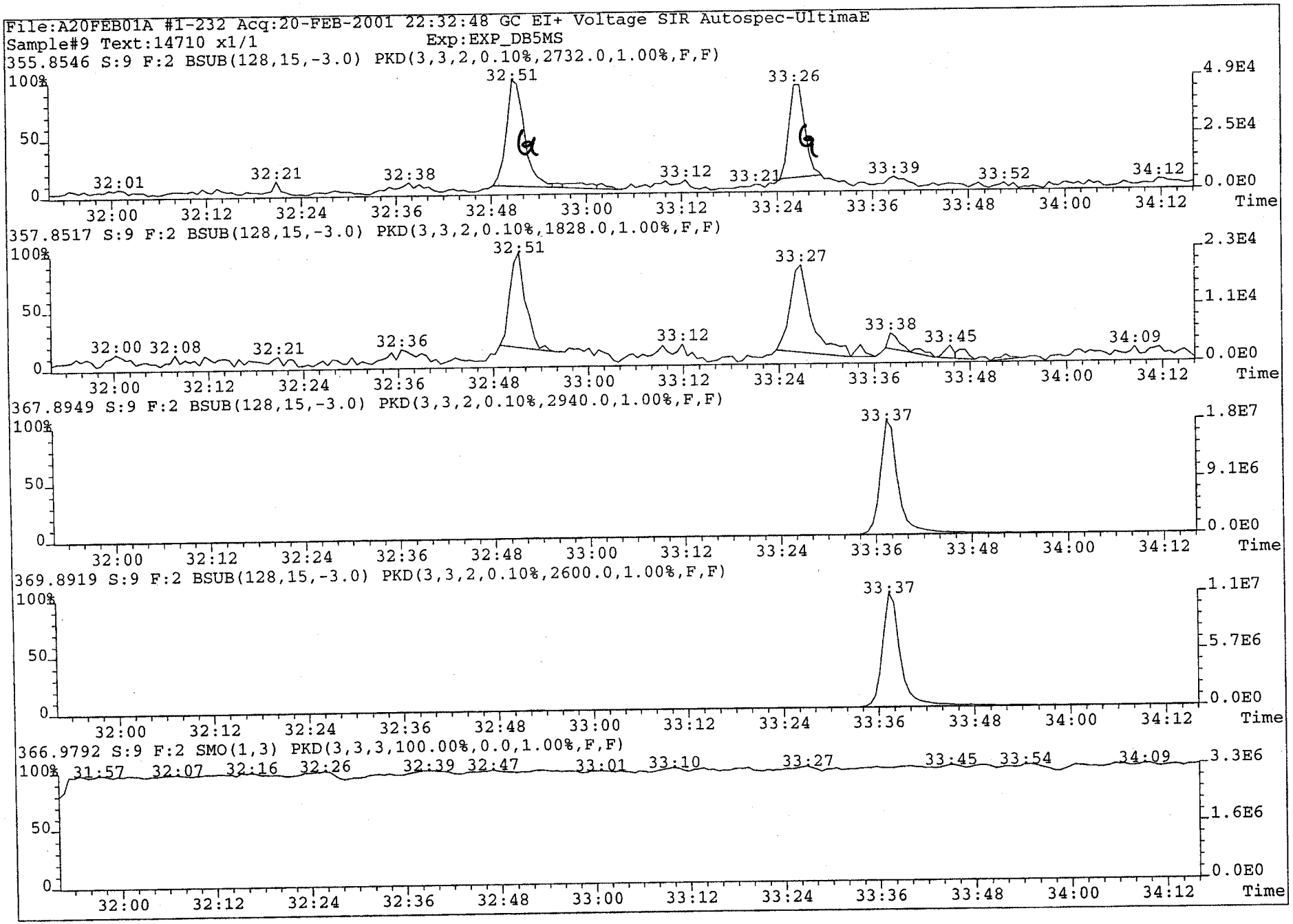
Filename: a20feb01a
Sample: 9
Acquired: 20-FEB-01 22:32:48
Processed: 21-FEB-01 08:20:17
Sample ID: 14710 x1/1
Cal Table: m1613-052699m
Results Table: m1613-022001a

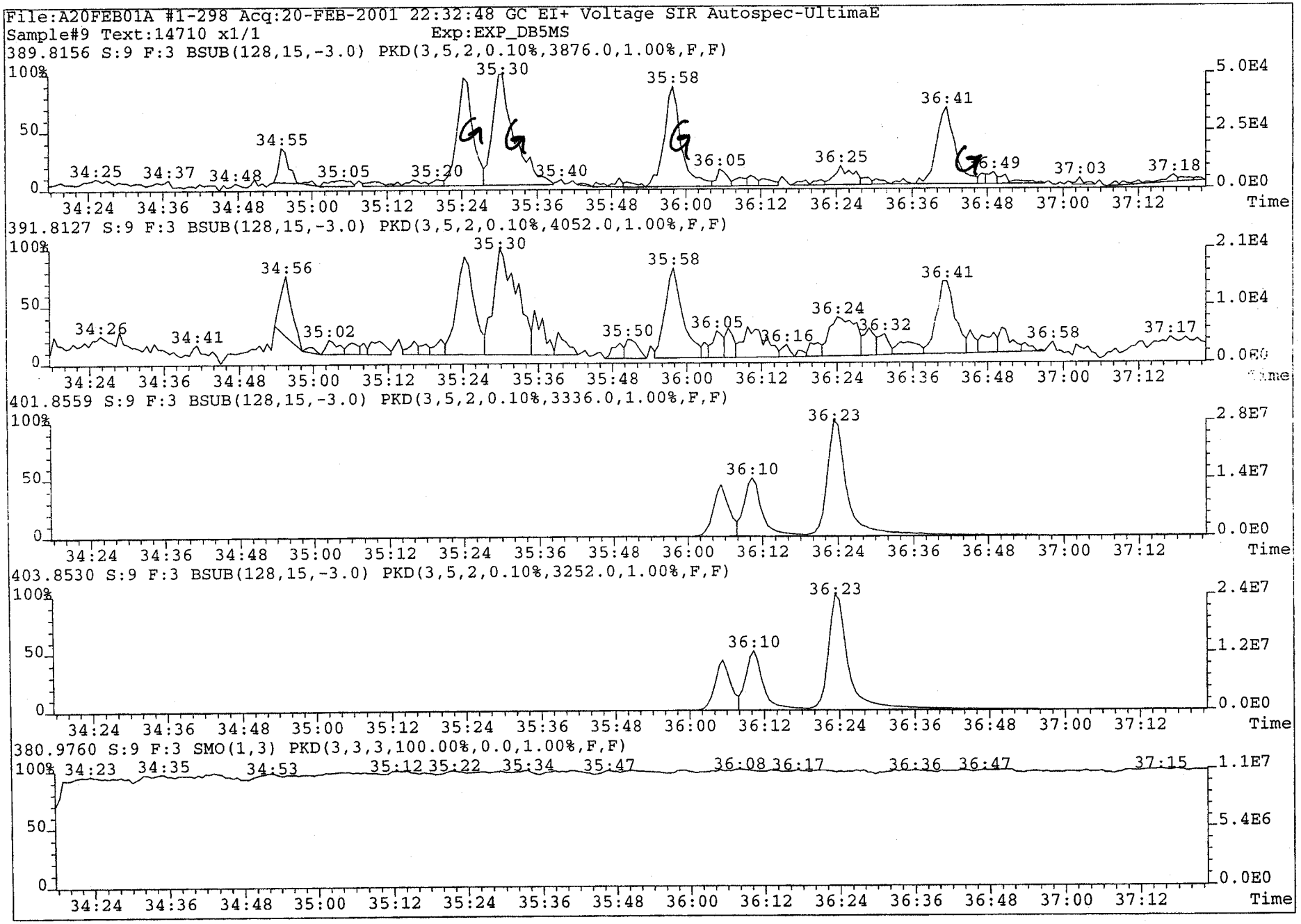
Name of Homolog Group: Total Hepta-Dioxins
Number of Peaks Found: 17
RRF Used For Totals: 1.0066
Detection Limit: 0.1101

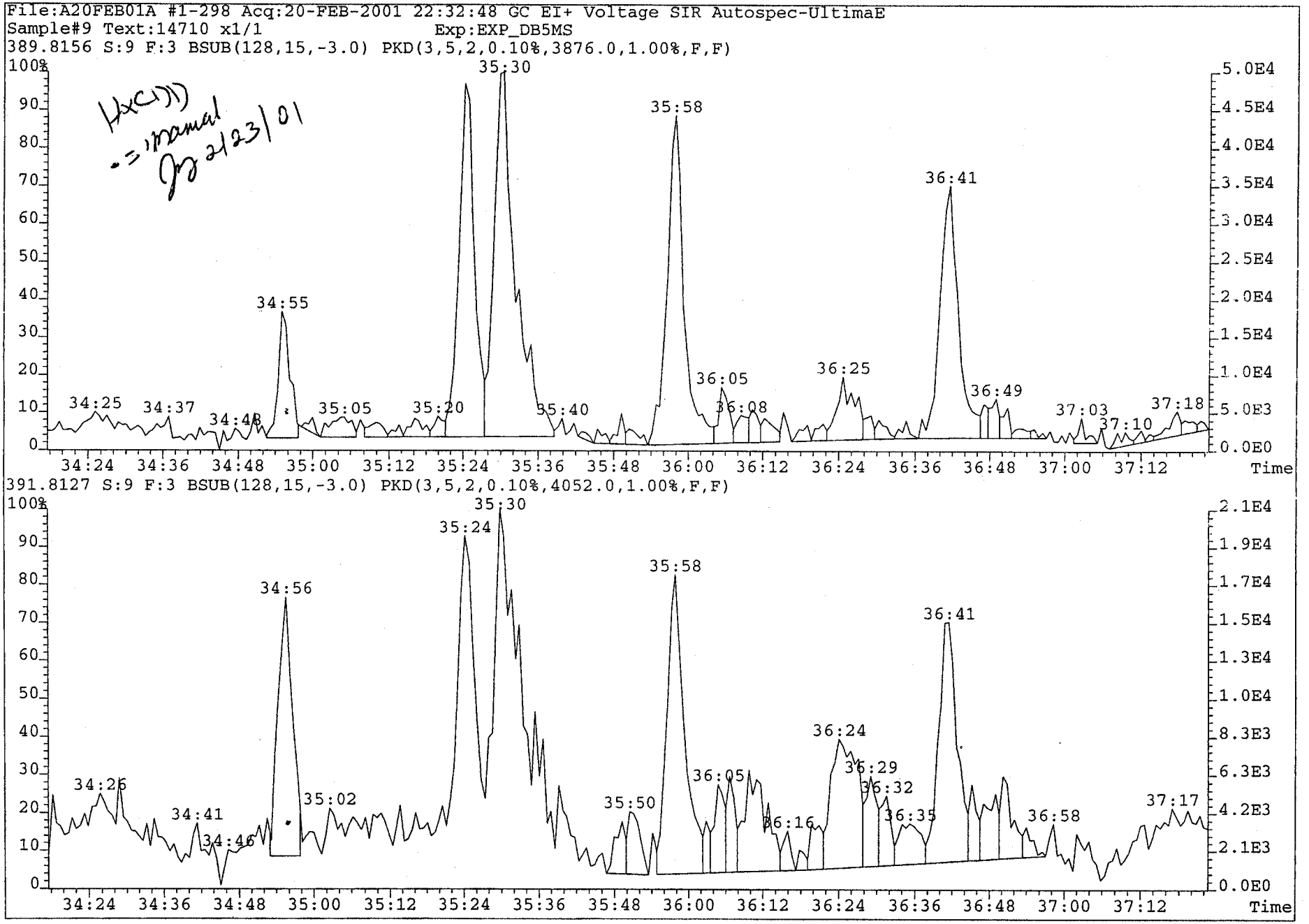
Begin Window: 38:15:00
End Window: 38:35:00

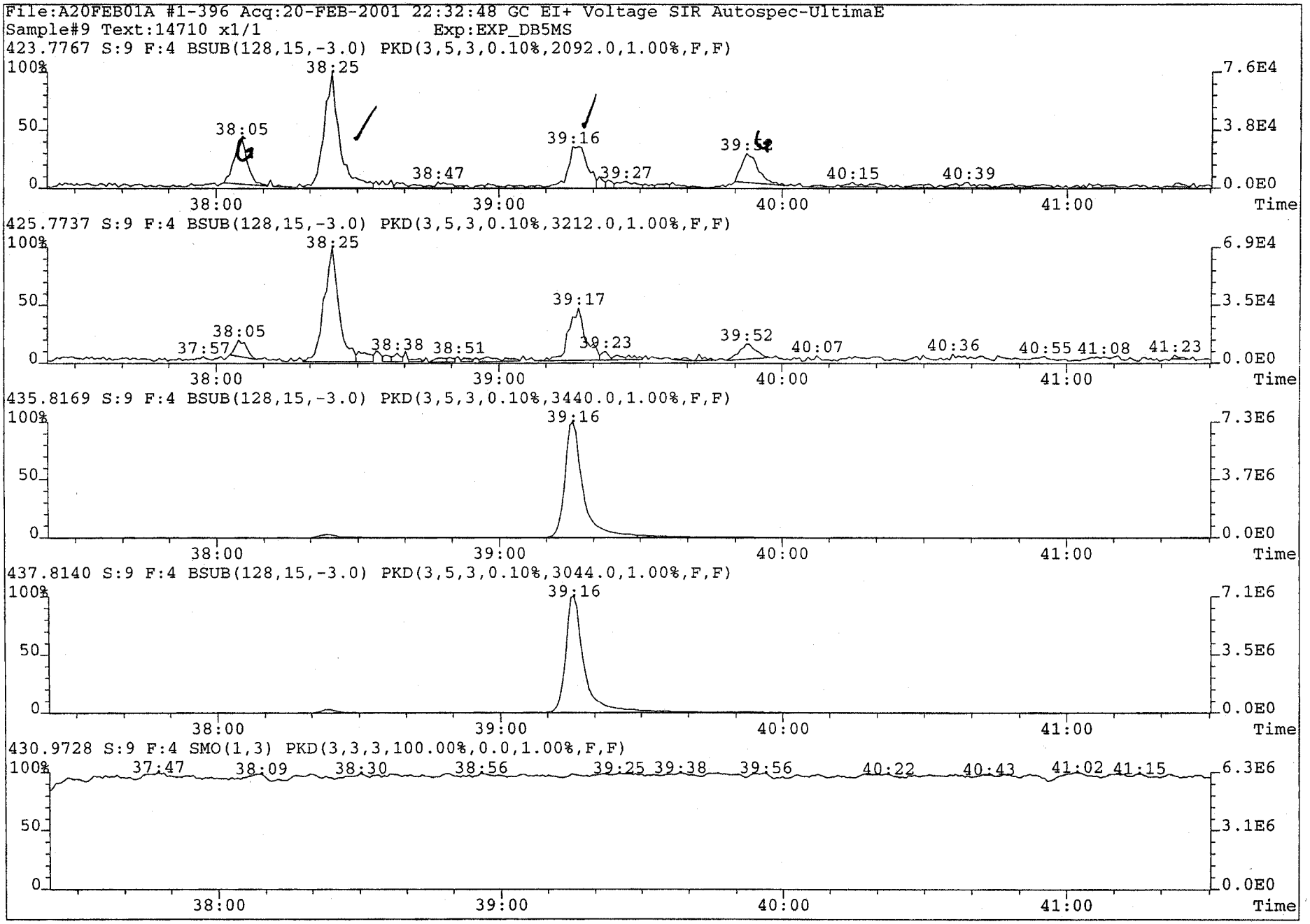
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.26E+05	99000	27300	3.62	n	38:05	0.201	RT	14.7	y	3.1	y	n
	2	4.94E+05	253000	240000	1.06	y	38:24	0.784	OK	36	y	21.3	y	y
	3	1.61E+04	7500	8620	0.87	n	38:39	0.026	RT	1.8	n	1.6	n	n
	4	8.87E+03	5220	3650	1.43	n	38:42	0.014	RT	1	n	0.5	n	n
	5	8.58E+03	2070	6510	0.32	n	38:45	0.014	RT	0.8	n	0.8	n	n
	6	2.05E+04	13900	6510	2.14	n	38:48	0.032	RT	1.8	n	0.8	n	n
	7	1.47E+04	6560	8170	0.8	n	38:58	0.023	RT	1.3	n	0.9	n	n
	8	7.18E+03	2530	4650	0.54	n	39:02	0.011	RT	0.9	n	0.7	n	n
	9	7.84E+03	3190	4650	0.69	n	39:04	0.012	RT	0.8	n	0.7	n	n
1,2,3,4,6,7,8-HpCDI	10	2.65E+05	126000	139000	0.91	y	39:16	0.422	RT	13.1	y	10.2	y	n
	11	1.93E+04	10500	8840	1.19	y	39:21	0.031	RT	3.7	y	1.7	n	n
	12	1.65E+04	7630	8840	0.86	n	39:23	0.026	RT	2.5	n	1.7	n	n
	13	2.50E+04	18900	6050	3.13	n	39:27	0.04	RT	2	n	0.9	n	n
	14	1.07E+04	7450	3250	2.29	n	39:37	0.017	RT	1.7	n	0.5	n	n
	15	7.88E+03	2290	5590	0.41	n	39:42	0.013	RT	0.7	n	1.3	n	n
	16	1.13E+05	76100	37200	2.05	n	39:53	0.18	RT	9.2	y	2.9	n	n
	17	8.85E+03	5340	3510	1.52	n	41:23	0.014	RT	1.2	n	0.7	n	n

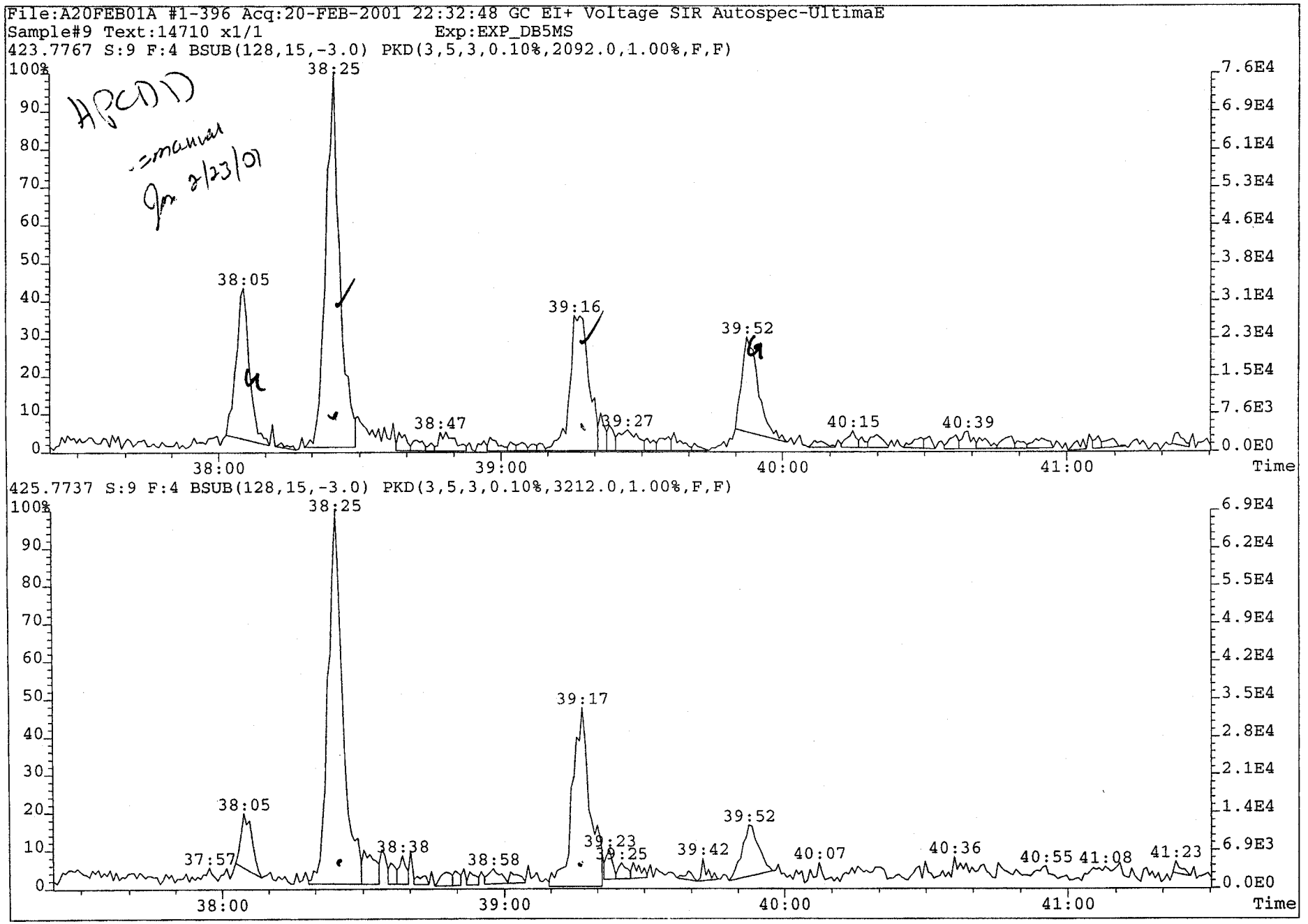

File:A20FEB01A #1-532 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
319.8965 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2380.0,1.00%,F,F)
321.8936 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2320.0,1.00%,F,F)
331.9368 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3744.0,1.00%,F,F)
333.9339 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2420.0,1.00%,F,F)
327.8847 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2704.0,1.00%,F,F)
316.9824 S:9 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

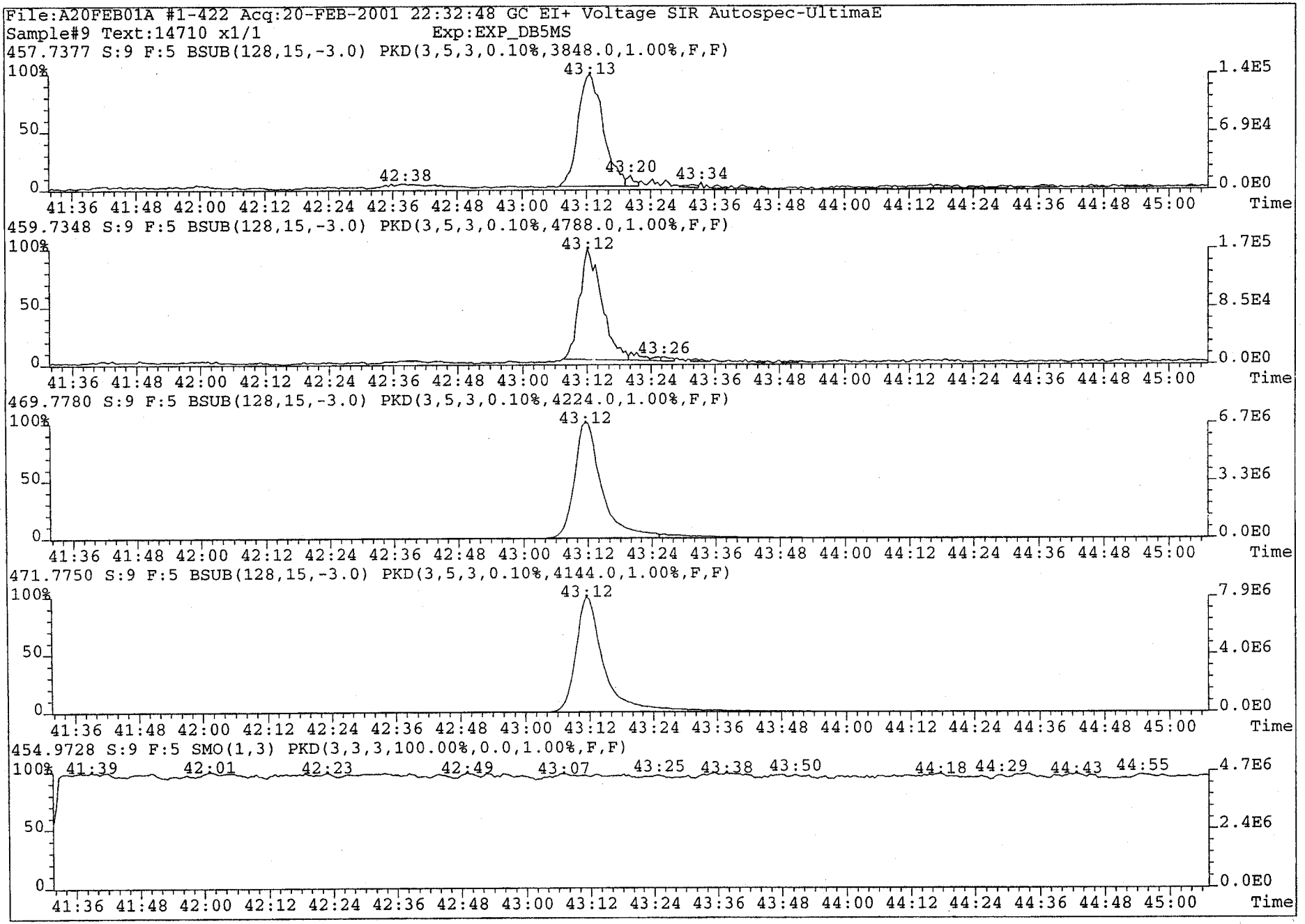

File:A20FEB01A #1-232 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
355.8546 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2732.0,1.00%,F,F)
32:51
33:26
4.9E4
2.5E4
0.0E0
357.8517 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,1828.0,1.00%,F,F)
32:51
33:27
2.3E4
1.1E4
0.0E0
367.8949 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2940.0,1.00%,F,F)
33:37
1.8E7
9.1E6
0.0E0
369.8919 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2600.0,1.00%,F,F)
33:37
1.1E7
5.7E6
0.0E0
366.9792 S:9 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
3.3E6
1.6E6
0.0E0
Time

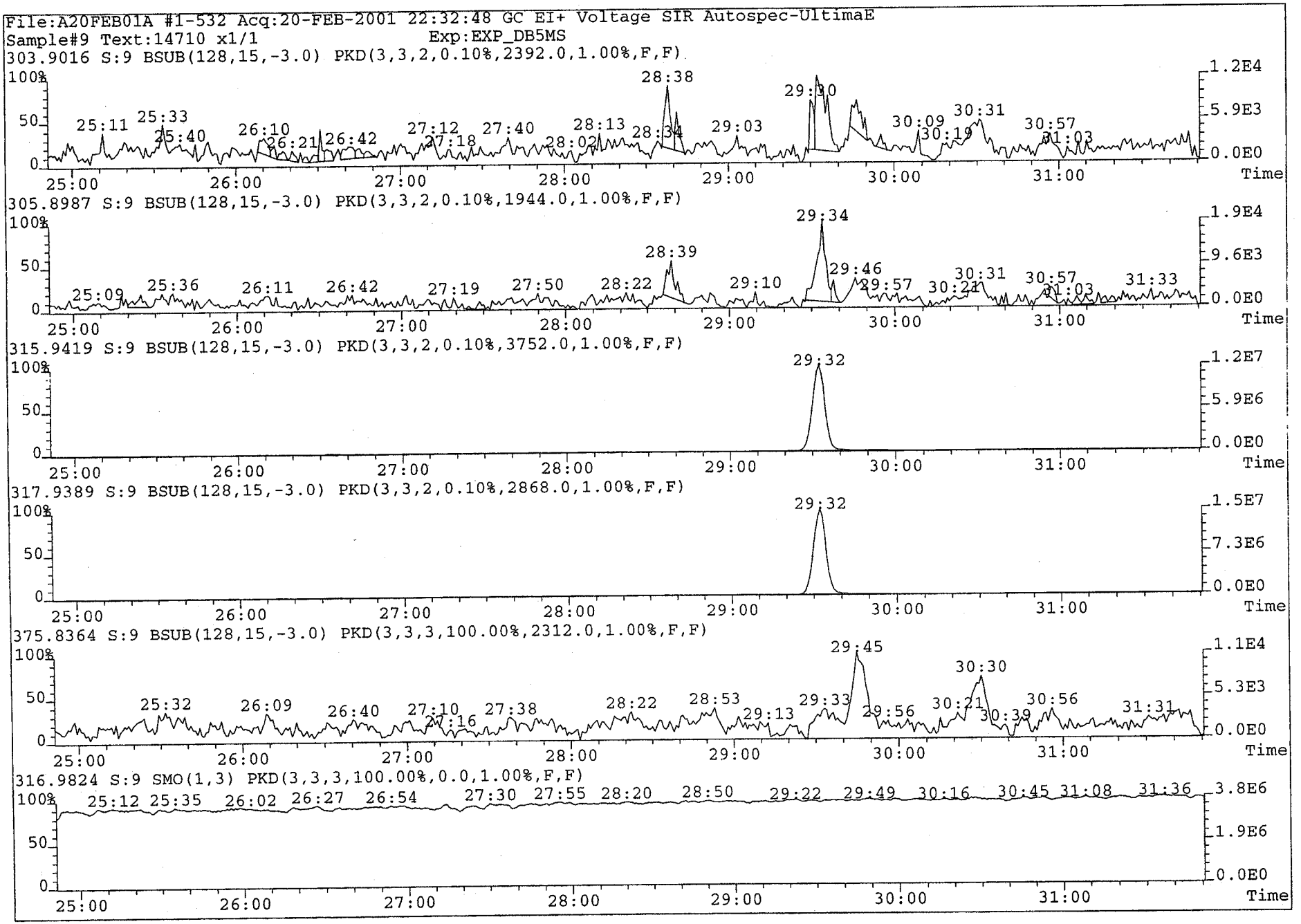

File:A20FEB01A #1-298 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
389.8156 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3876.0,1.00%,F,F)
391.8127 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4052.0,1.00%,F,F)
401.8559 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3336.0,1.00%,F,F)
403.8530 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3252.0,1.00%,F,F)
380.9760 S:9 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

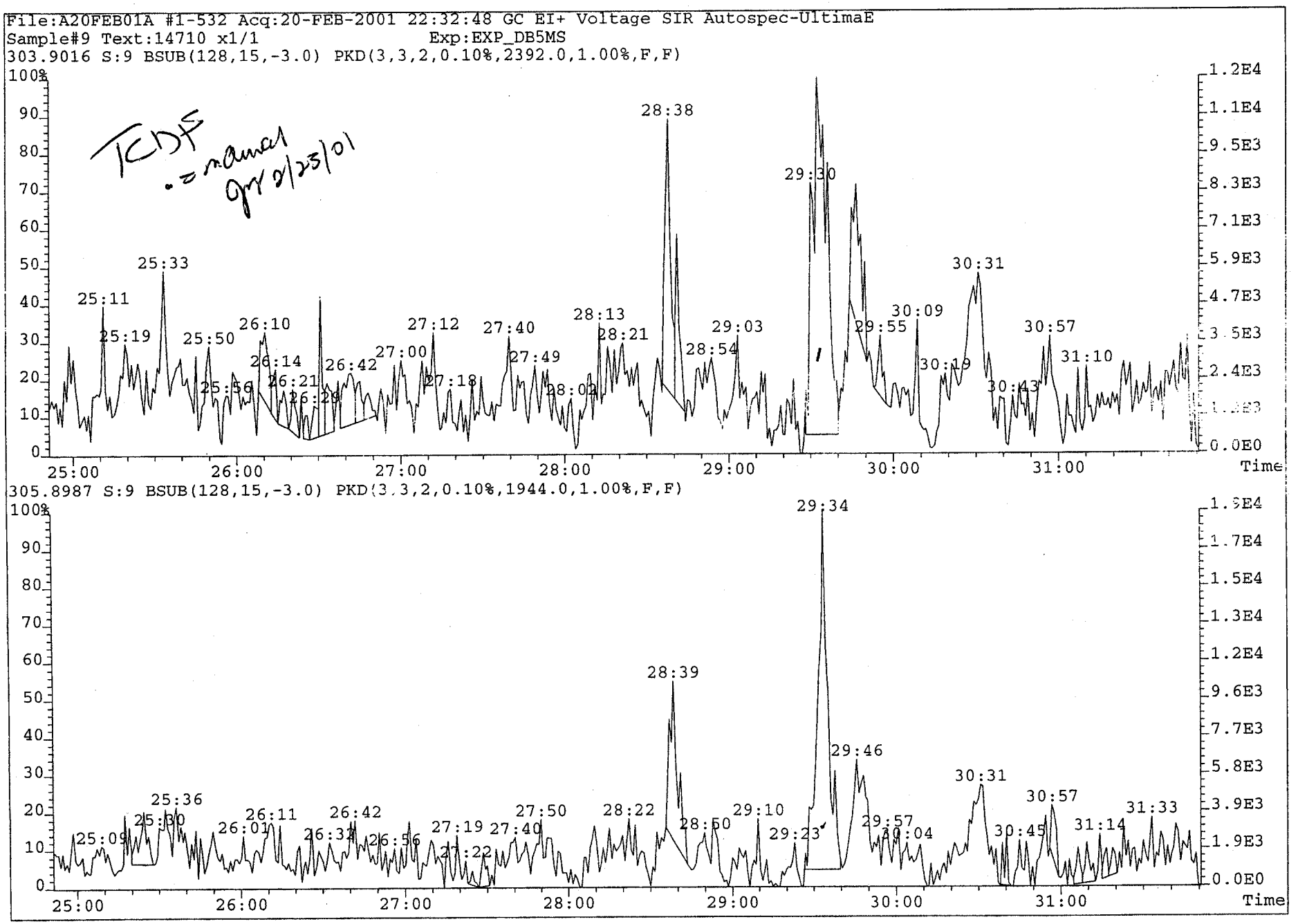

File:A20FEB01A #1-298 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
389.8156 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3876.0,1.00%,F,F)
391.8127 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4052.0,1.00%,F,F)
Time

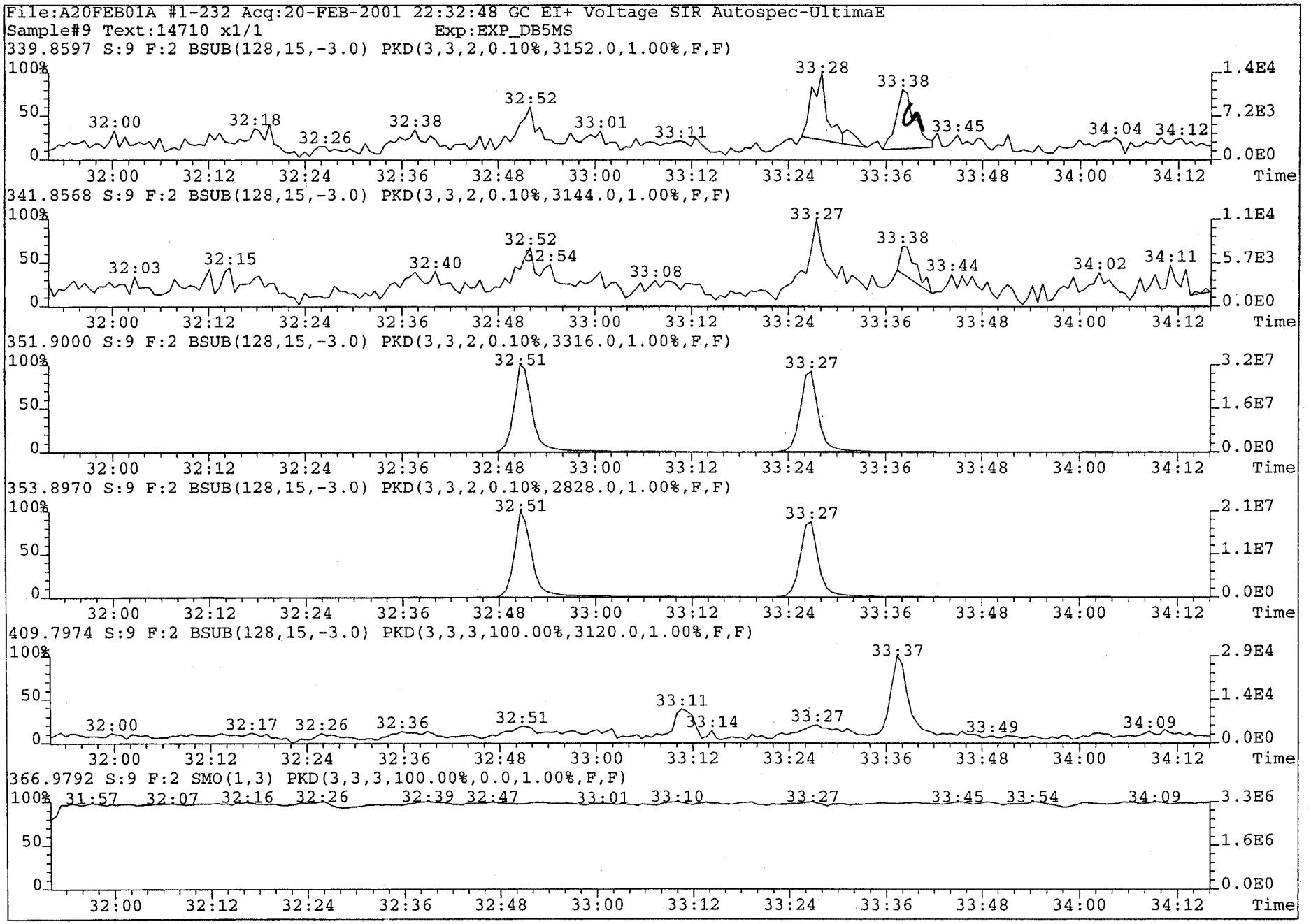

File:A20FEB01A #1-396 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
423.7767 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2092.0,1.00%,F,F)
38:25
38:05
39:16
38:47
39:27
40:15
40:39
7.6E4
3.8E4
0.0E0
425.7737 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3212.0,1.00%,F,F)
38:25
39:17
38:05
37:57
38:38
38:51
39:23
39:52
40:07
40:36
40:55
41:08
41:23
6.9E4
3.5E4
0.0E0
435.8169 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3440.0,1.00%,F,F)
39:16
7.3E6
3.7E6
0.0E0
437.8140 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3044.0,1.00%,F,F)
39:16
7.1E6
3.5E6
0.0E0
430.9728 S:9 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:47
38:09
38:30
38:56
39:25
39:38
39:56
40:22
40:43
41:02
41:15
6.3E6
3.1E6
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

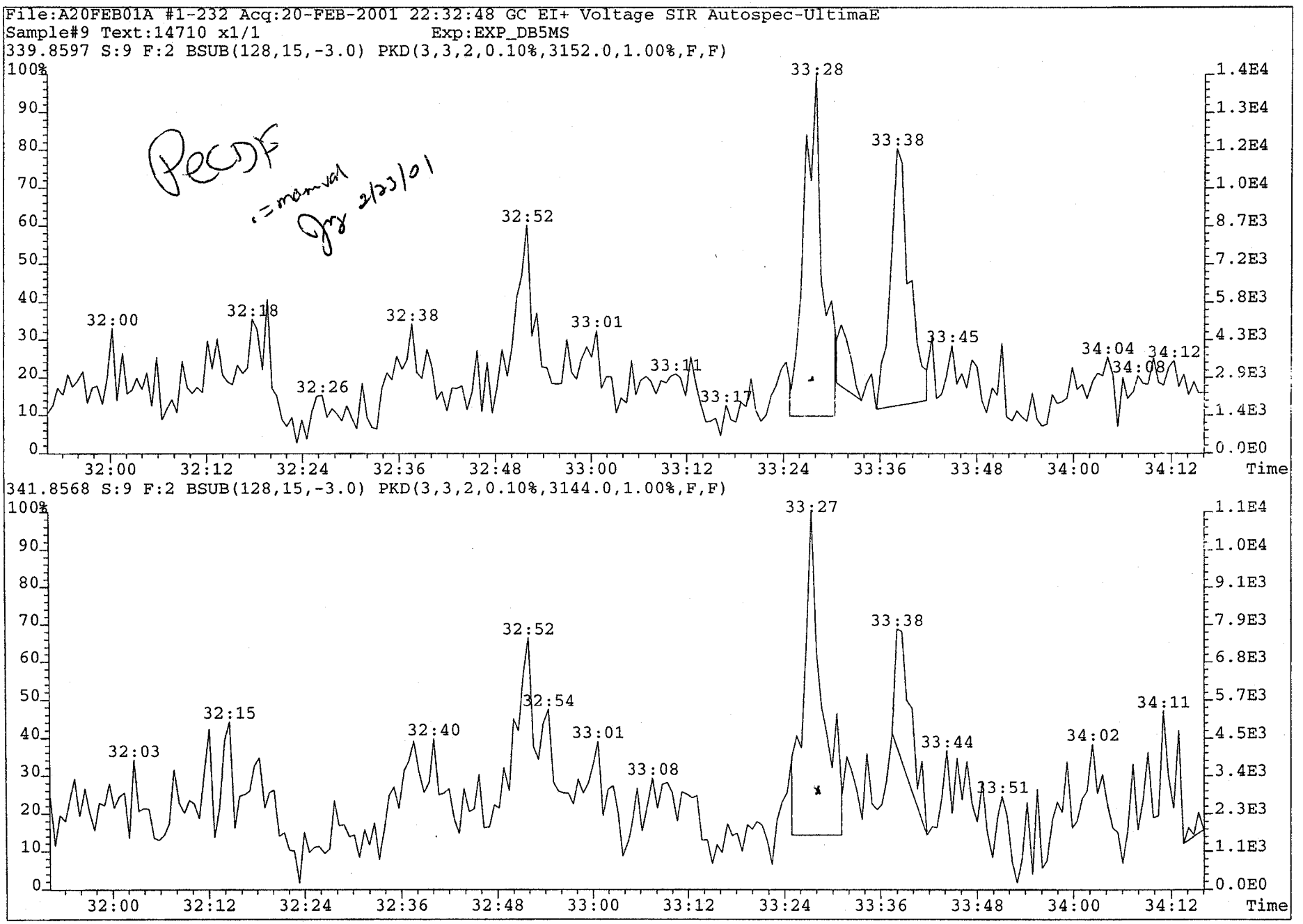

File:A20FEB01A #1-396 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
423.7767 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2092.0,1.00%,F,F)
APCDD
=manual
JR 2/23/01
38:25
38:05
39:16
39:52
38:47
39:27
40:15
40:39
Time
425.7737 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3212.0,1.00%,F,F)
38:25
39:17
38:05
39:52
37:57
38:38
38:58
39:23
39:25
39:42
40:07
40:36
40:55
41:08
41:23
Time

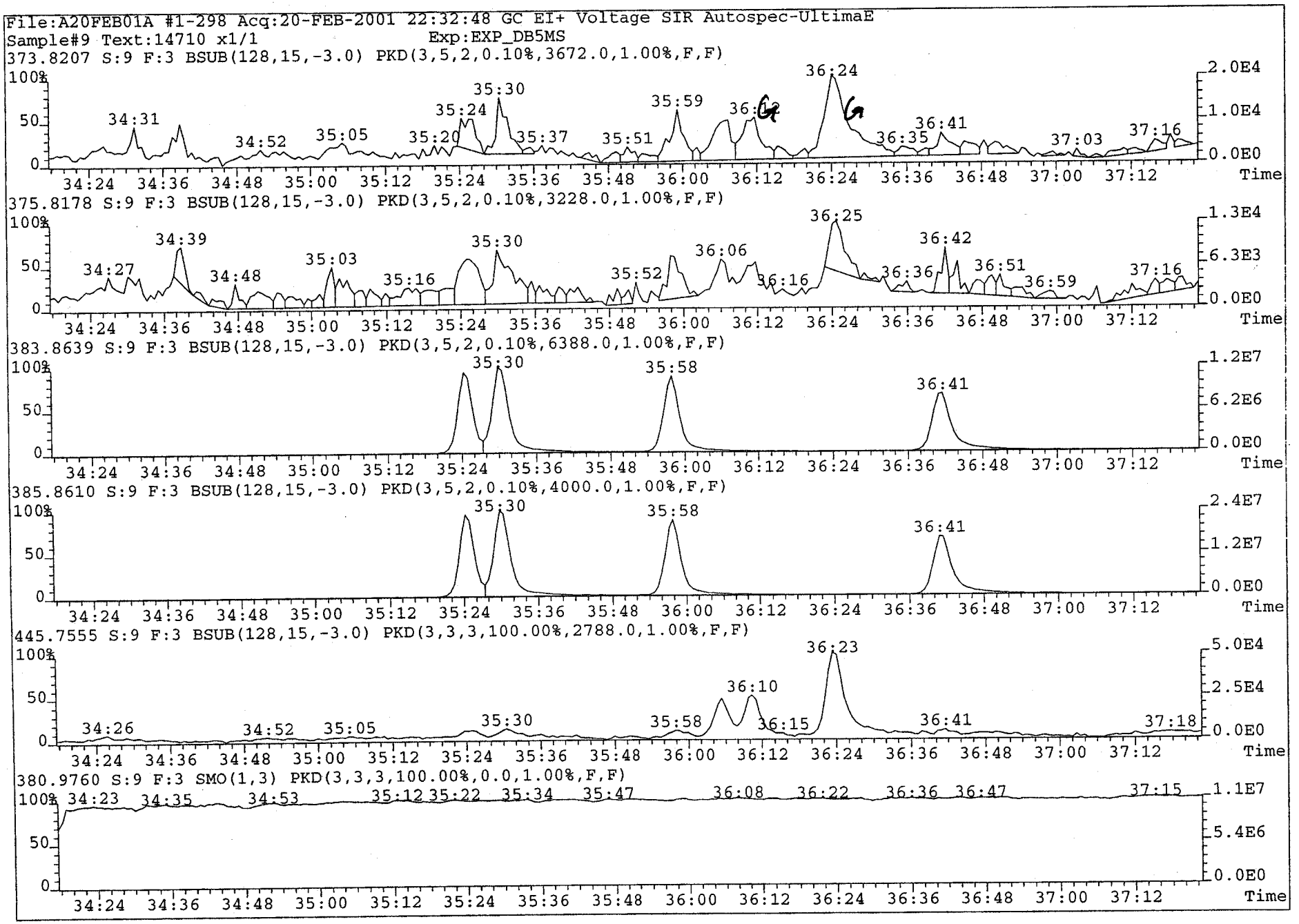

File:A20FEB01A #1-422 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
457.7377 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3848.0,1.00%,F,F)
43:13
42:38
43:20
43:34
1.4E5
6.9E4
0.0E0
459.7348 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4788.0,1.00%,F,F)
43:12
43:26
1.7E5
8.5E4
0.0E0
469.7780 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4224.0,1.00%,F,F)
43:12
6.7E6
3.3E6
0.0E0
471.7750 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4144.0,1.00%,F,F)
43:12
7.9E6
4.0E6
0.0E0
454.9728 S:9 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:39 42:01 42:23 42:49 43:07 43:25 43:38 43:50 44:18 44:29 44:43 44:55
4.7E6
2.4E6
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

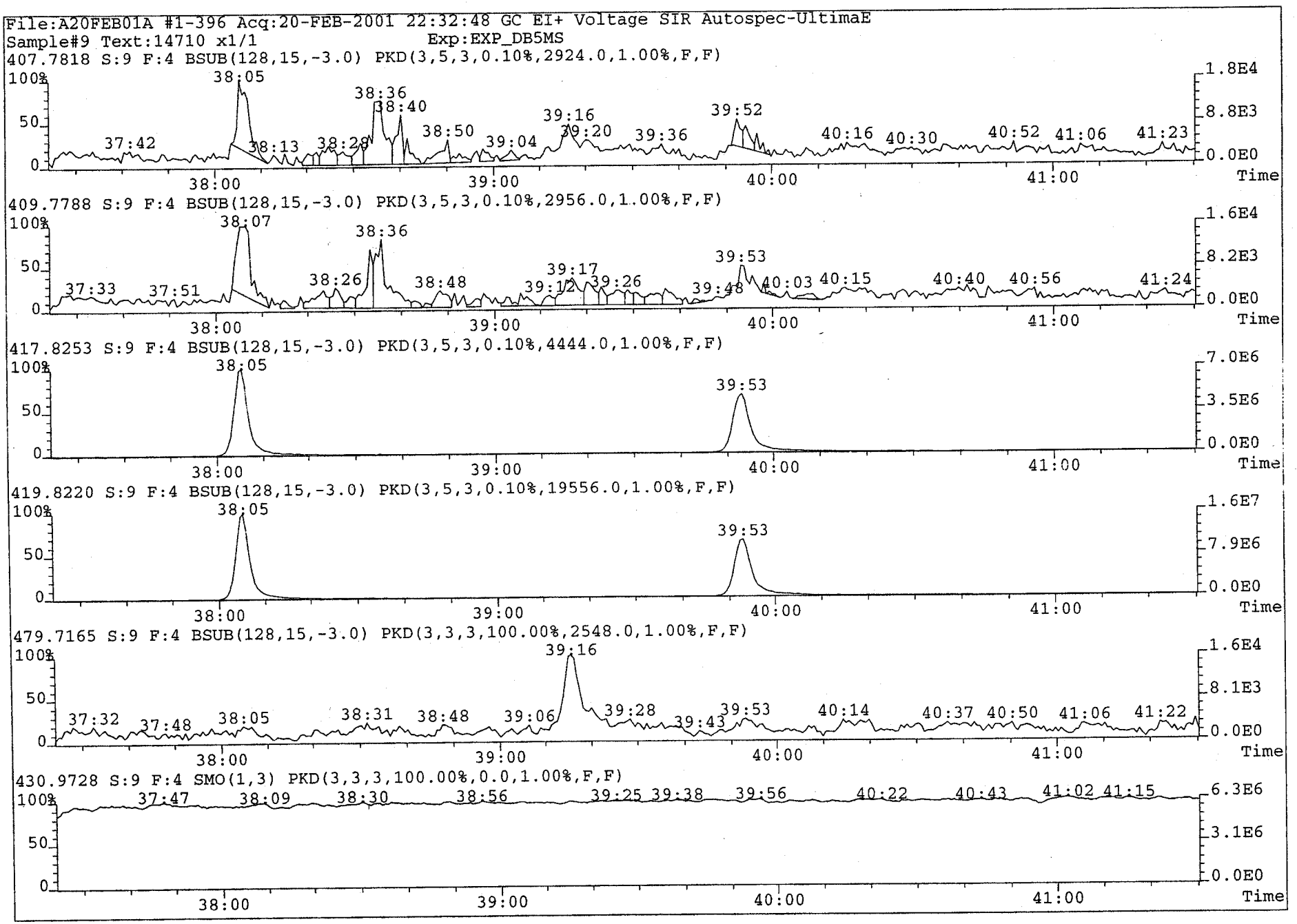

File:A20FEB01A #1-532 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
303.9016 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2392.0,1.00%,F,F)
305.8987 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,1944.0,1.00%,F,F)
315.9419 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3752.0,1.00%,F,F)
317.9389 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2868.0,1.00%,F,F)
375.8364 S:9 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2312.0,1.00%,F,F)
316.9824 S:9 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

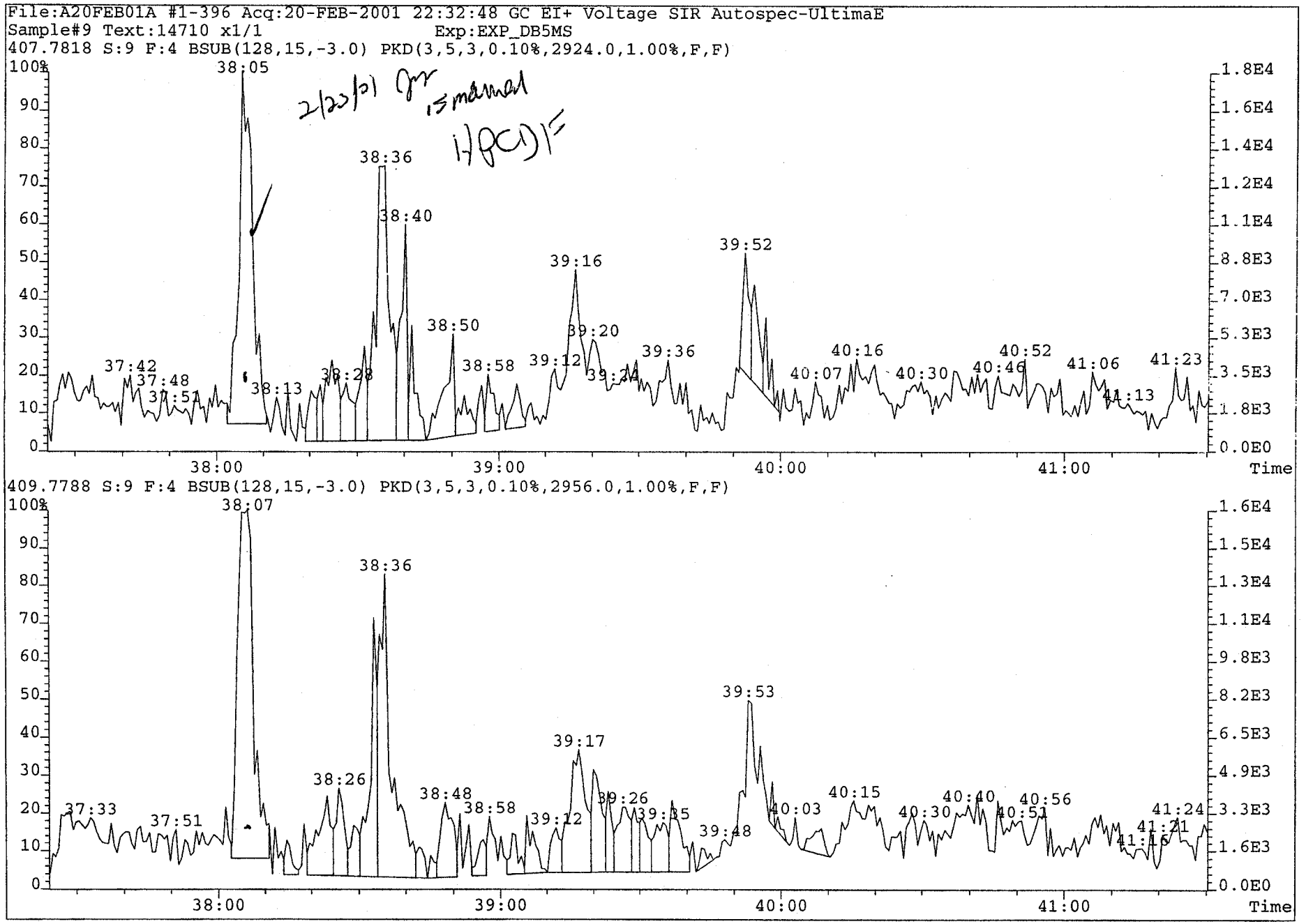

File:A20FEB01A #1-532 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
303.9016 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2392.0,1.00%,F,F)
TCDF
= manual
qpr 2/23/01
305.8987 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,1944.0,1.00%,F,F)
Time
Time


File:A20FEB01A #1-232 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
339.8597 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3152.0,1.00%,F,F)
341.8568 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3144.0,1.00%,F,F)
351.9000 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3316.0,1.00%,F,F)
353.8970 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2828.0,1.00%,F,F)
409.7974 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3120.0,1.00%,F,F)
366.9792 S:9 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

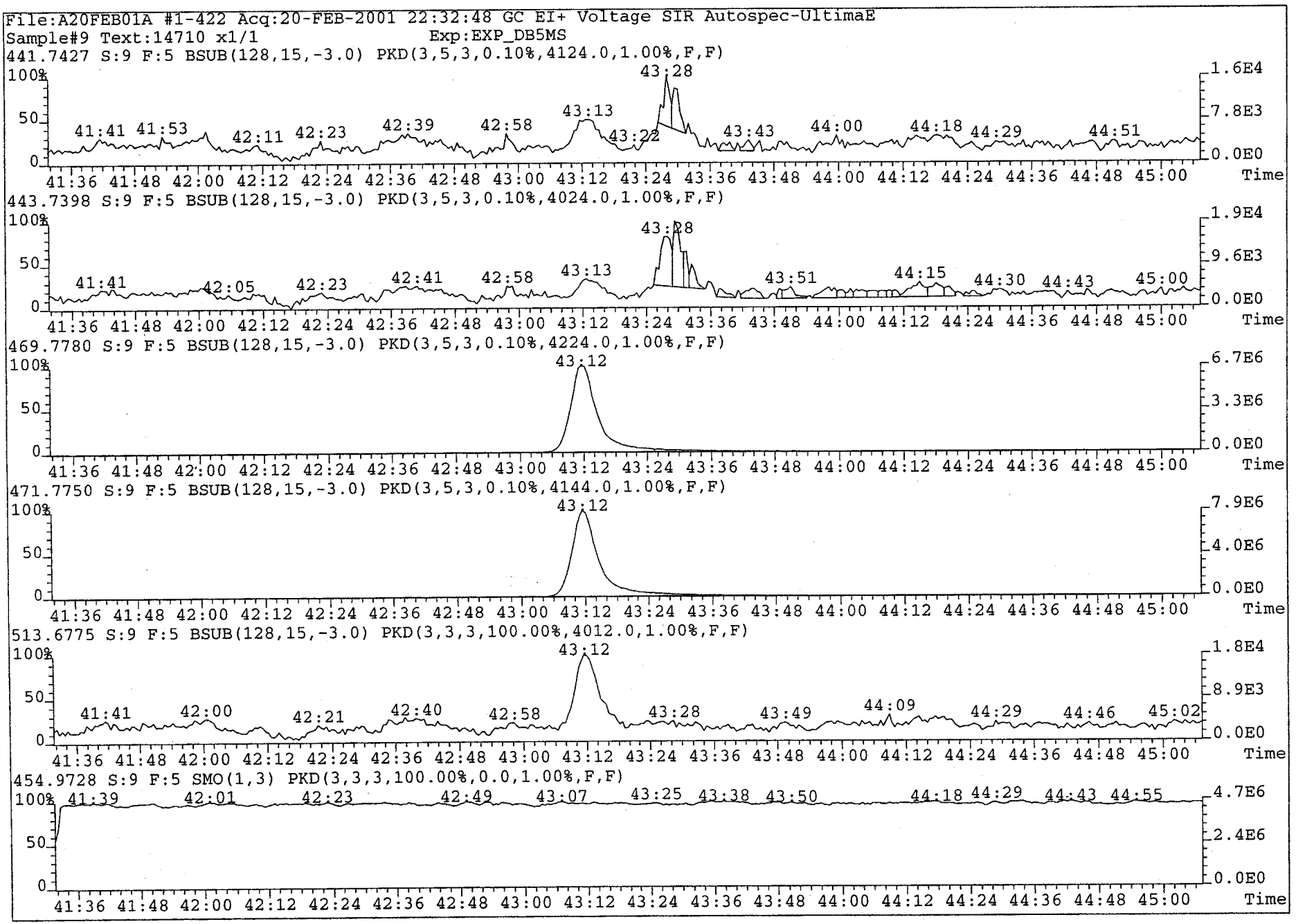

File:A20FEB01A #1-232 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
339.8597 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3152.0,1.00%,F,F)
PeCDF
:=manual
JJS 2/23/01
32:00
32:18
32:26
32:38
32:52
33:01
33:11
33:17
33:28
33:38
33:45
34:04
34:08
34:12
Time
341.8568 S:9 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3144.0,1.00%,F,F)
32:03
32:15
32:40
32:52
32:54
33:01
33:08
33:27
33:38
33:44
33:51
34:02
34:11
Time

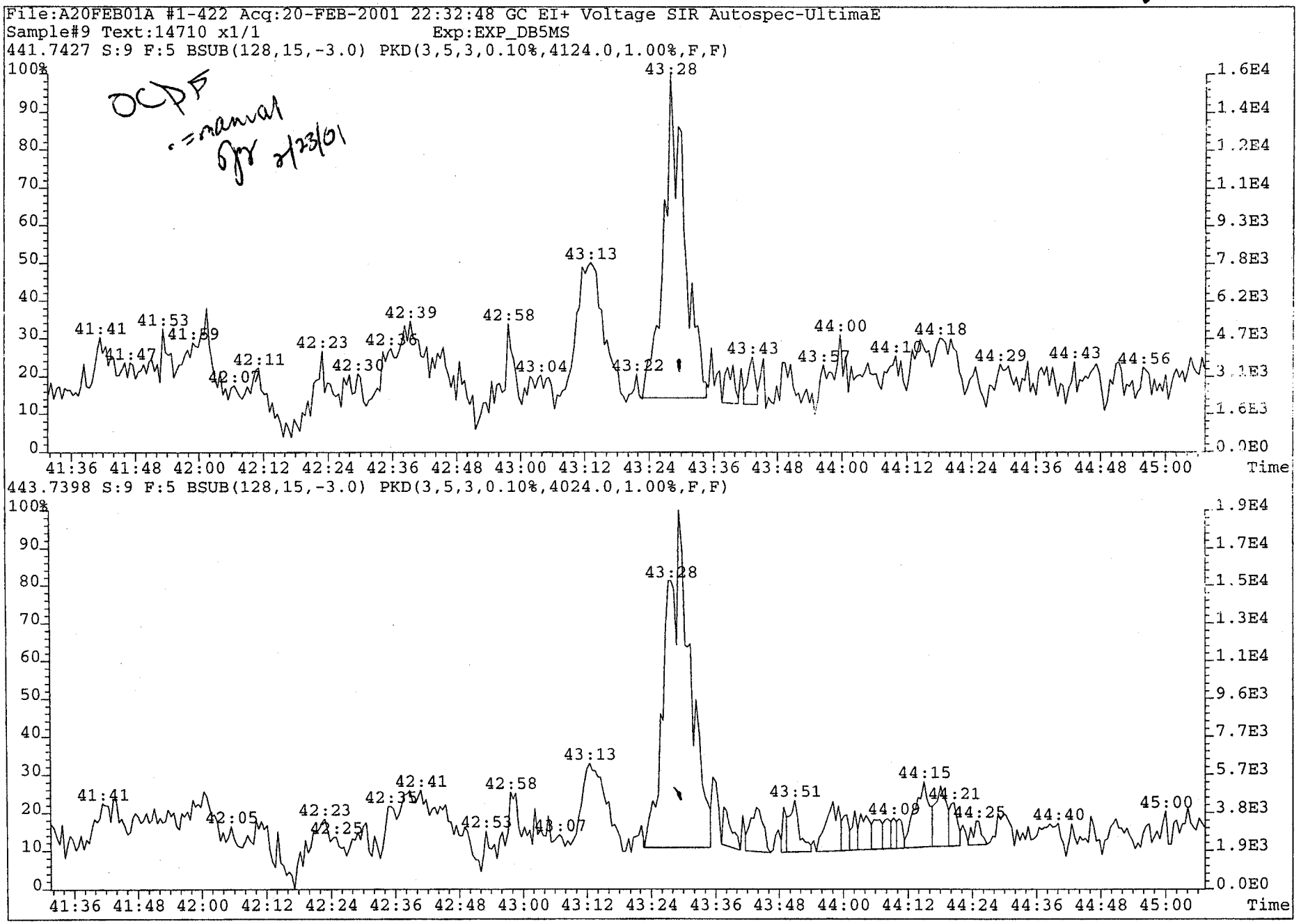

File:A20FEB01A #1-298 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
373.8207 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3672.0,1.00%,F,F)
375.8178 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3228.0,1.00%,F,F)
383.8639 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6388.0,1.00%,F,F)
385.8610 S:9 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4000.0,1.00%,F,F)
445.7555 S:9 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2788.0,1.00%,F,F)
380.9760 S:9 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

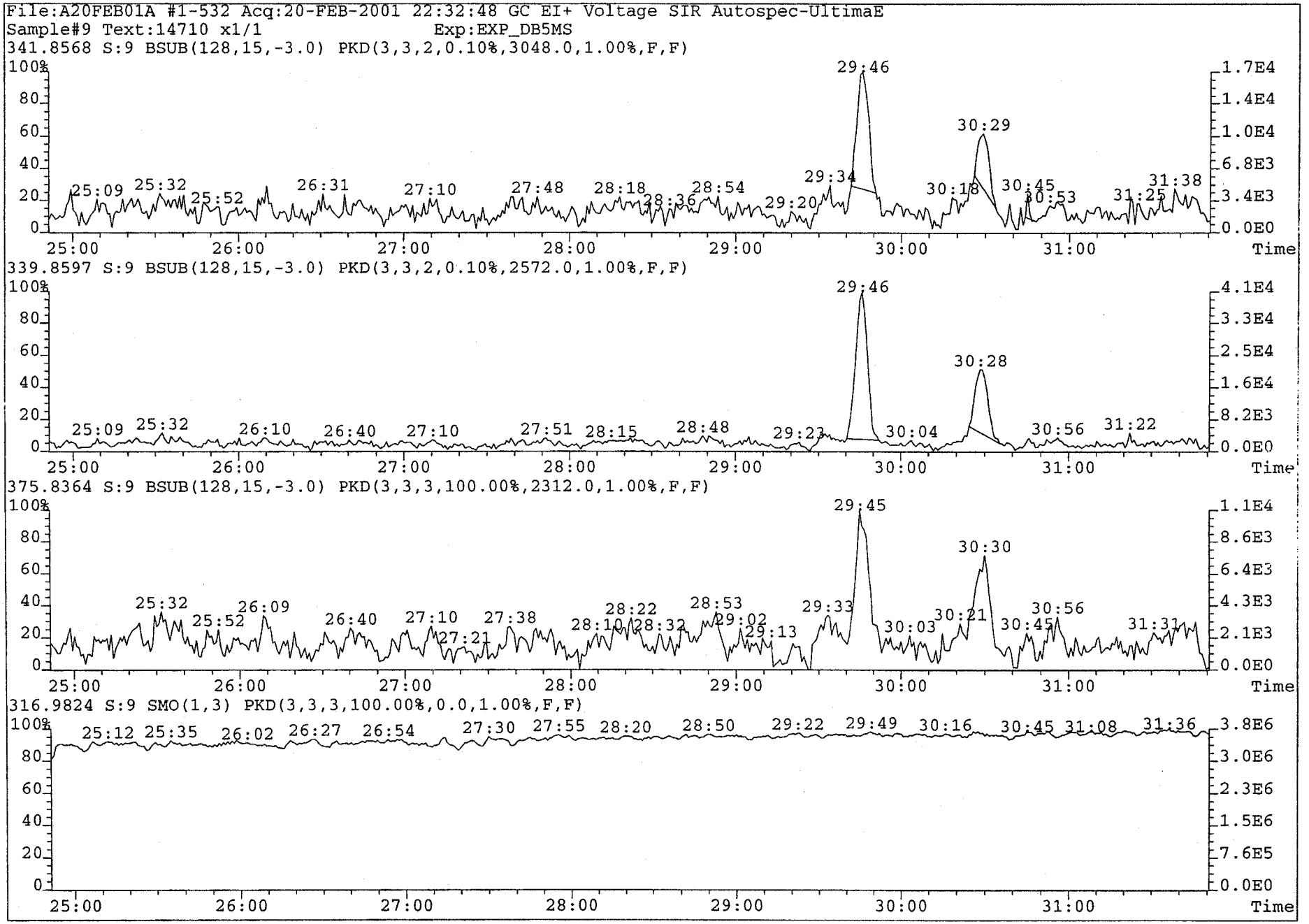

File:A20FEB01A #1-396 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
407.7818 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2924.0,1.00%,F,F)
409.7788 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2956.0,1.00%,F,F)
417.8253 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4444.0,1.00%,F,F)
419.8220 S:9 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,19556.0,1.00%,F,F)
479.7165 S:9 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2548.0,1.00%,F,F)
430.9728 S:9 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time



2/23/01 JM 15 manual HPCDF


File:A20FEB01A #1-422 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
441.7427 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4124.0,1.00%,F,F)
443.7398 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4024.0,1.00%,F,F)
469.7780 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4224.0,1.00%,F,F)
471.7750 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4144.0,1.00%,F,F)
513.6775 S:9 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4012.0,1.00%,F,F)
454.9728 S:9 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-422 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
441.7427 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4124.0,1.00%,F,F)
OCDF
.=manual
JJ 2/23/01
43:28
43:13
41:41
41:53
41:59
41:47
42:07
42:11
42:23
42:30
42:36
42:39
42:58
43:04
43:22
43:43
43:57
44:00
44:10
44:18
44:29
44:43
44:56
Time
443.7398 S:9 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4024.0,1.00%,F,F)
43:28
43:13
41:41
42:05
42:23
42:25
42:35
42:41
42:53
42:58
43:07
43:51
44:09
44:15
44:21
44:25
44:40
45:00
Time


File:A20FEB01A #1-532 Acq:20-FEB-2001 22:32:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:14710 x1/1 Exp:EXP_DB5MS
341.8568 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3048.0,1.00%,F,F)
339.8597 S:9 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2572.0,1.00%,F,F)
375.8364 S:9 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2312.0,1.00%,F,F)
316.9824 S:9 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

Method 1613

DnStream/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	0.0030				
1,2,3,7,8-PeCDD	ND	0.0021				
1,2,3,4,7,8-HxCDD	ND	0.0020				
1,2,3,6,7,8-HxCDD	ND	0.0020				
1,2,3,7,8,9-HxCDD	ND	0.0018				
1,2,3,4,6,7,8-HpCDD	EMPC	0.0024	0.0074	39:16	1.23	
OCDD	0.0715			43:13	0.88	A
2,3,7,8--TCDF	ND	0.0022				
1,2,3,7,8-PeCDF	ND	0.0010				
2,3,4,7,8-PeCDF	ND	0.0010				
1,2,3,4,7,8-HxCDF	ND	0.0013				
1,2,3,6,7,8-HxCDF	ND	0.0013				
2,3,4,6,7,8-HxCDF	ND	0.0015				
1,2,3,7,8,9-HxCDF	ND	0.0017				
1,2,3,4,6,7,8-HpCDF	ND	0.0010				
1,2,3,4,7,8,9-HpCDF	ND	0.0014				
OCDF	ND	0.0033				
Total TCDDs	ND	0.0030				
Total PeCDDs	ND	0.0021				
Total HxCDDs	ND	0.0060				
Total HpCDDs	0.0148		0.0222			
Total TCDFs	ND	0.0022				
Total PeCDFs	ND	0.0010				
Total HxCDFs	ND	0.0014				
Total HpCDFs	ND	0.0012				
ITEF TEQ (ND=0)	0.0001		0.0001			
ITEF TEQ (ND=½)	0.0031		0.0031			

Client Information

Project Name:	E096-007-5.0040
Sample ID:	DnStream/02

Laboratory Information

Project ID:	G129-362
Sample ID:	14711
Collection Date/Time:	08-Feb-01 10:00
Receipt Date:	09-Feb-01
Extraction Date:	16-Feb-01
Analysis Date:	21-Feb-01

Sample Information

Matrix:	Aqueous
Weight / Volume:	510 mL
Solids / Lipids:	NA
Original pH :	5
Batch ID:	WG5277
Filename:	a20feb01a_2-3
Retchk:	a20feb01a-15
Begin ConCal:	a20feb01a-15
Initial Cal:	m1613-052699m

Method 1613

DnStream/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	0.77	77.0	30:29	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.85	85.3	33:38	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.75	75.3	36:05	1.12	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.89	88.5	36:11	1.13	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.76	76.4	39:16	1.02	
$^{13}C_{12}$-OCDD	2	1.40	69.9	43:13	0.86	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.78	77.8	29:33	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.98	97.6	32:51	1.57	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.89	88.7	33:27	1.61	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.79	79.3	35:24	0.49	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.89	89.1	35:31	0.49	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.80	80.4	35:58	0.49	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.95	94.7	36:42	0.51	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.91	91.3	38:06	0.47	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.92	92.2	39:54	0.48	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.35	86.8	30:30		
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2			29:46	0.81	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2			35:58	0.49	

Client Information

Project Name: E096-007-5.0040
Sample ID: DnStream/02

Laboratory Information

Project ID: G129-362
Sample ID: 14711

Collection Date/Time: 08-Feb-01 10:00
Receipt Date: 09-Feb-01
Extraction Date: 16-Feb-01
Analysis Date: 21-Feb-01

Analyzed by: HMP
Date: 23Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 510 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5277

Filename: a20feb01a_2-3
Retchk: a20feb01a-15
Begin ConCal: a20feb01a-15

Initial Cal: m1613-052699m

Reviewed by: [signature]
Date: 2/23/01

Filename ; a20feb01a_2
Sample ; 3
Acquired ; 21-FEB-01 05:39:54
Processed ; 21-FEB-01 13:29:51
Sample ID ; 14711 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-022001a_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		*	0.1506	*;n;	*;n	no
Unk	1,2,3,7,8-PeCDD	*	*	*	*;n;NotFnd		*	0.1056	*;n;	*;n	no
Unk	1,2,3,4,7,8-HxCDD	*	*	*	*;n;NotFnd		*	0.1020	*;n;	*;n	no
Unk	1,2,3,6,7,8-HxCDD	*	*	*	*;n;NotFnd		*	0.1027	*;n;	*;n	no
Unk	1,2,3,7,8,9-HxCDD	*	*	*	*;n;NotFnd		*	0.0939	*;n;	*;n	no
Unk	1,2,3,4,6,7,8-HpCDD	2.25e+05	1.24e+05	1.01e+05	1.23;n	39:16	0.376	0.1230	10;y	10;y	yes
Unk	OCDD	1.66e+06	7.78e+05	8.86e+05	0.88;y	43:13	3.648	0.2426	45;y	58;y	no
Unk	2,3,7,8-TCDF	1.55e+05	7.03e+04	8.42e+04	0.83;y	29:34	0.136	0.1135	3;y	4;y	yes
Unk	1,2,3,7,8-PeCDF	*	*	*	*;n;NotFnd		*	0.0493	*;n;	*;n	yes
Unk	2,3,4,7,8-PeCDF	5.21e+04	3.00e+04	2.21e+04	1.36;y	33:27	0.046	0.0507	3;n	2;n	yes
Unk	1,2,3,4,7,8-HxCDF	*	*	*	*;n;NotFnd		*	0.0638	*;n;	*;n	no
Unk	1,2,3,6,7,8-HxCDF	2.33e+04	1.44e+04	8.89e+03	1.62;n	35:31	0.019	0.0639	1;n	1;n	no
Unk	2,3,4,6,7,8-HxCDF	3.02e+04	1.51e+04	1.51e+04	1.00;n	35:59	0.030	0.0764	1;n	2;n	no
Unk	1,2,3,7,8,9-HxCDF	*	*	*	*;n;NotFnd		*	0.0843	*;n;	*;n	no
Unk	1,2,3,4,6,7,8-HpCDF	5.38e+04	3.03e+04	2.36e+04	1.28;n	38:05	0.048	0.0506	4;y	3;n	no
Unk	1,2,3,4,7,8,9-HpCDF	*	*	*	*;n;NotFnd		*	0.0730	*;n;	*;n	no
Unk	OCDF	*	*	*	*;n;NotFnd		*	0.1693	*;n;	*;n	no
ES/RT	13C-2,3,7,8-TCDD	7.05e+07	3.11e+07	3.94e+07	0.79;y	30:29	38.478	0.0599	1519;y	2061;y	no
ES	13C-1,2,3,7,8-PeCDD	6.59e+07	4.03e+07	2.56e+07	1.57;y	33:38	42.671	0.0736	3628;y	2691;y	no
ES	13C-1,2,3,4,7,8-HxCDD	5.49e+07	2.91e+07	2.59e+07	1.12;y	36:05	37.626	0.0700	2258;y	1664;y	no
ES	13C-1,2,3,6,7,8-HxCDD	7.19e+07	3.81e+07	3.38e+07	1.13;y	36:11	44.242	0.0629	2594;y	1958;y	no
ES	13C-1,2,3,4,6,7,8-HpCDD	5.95e+07	3.00e+07	2.95e+07	1.02;y	39:16	38.192	0.0324	2674;y	3049;y	no
ES	13C-OCDD	8.48e+07	3.93e+07	4.55e+07	0.86;y	43:13	69.866	0.0425	2718;y	3349;y	no
ES/RT	13C-2,3,7,8-TCDF	1.01e+08	4.47e+07	5.63e+07	0.79;y	29:33	38.900	0.0466	2352;y	2440;y	no
ES	13C-1,2,3,7,8-PeCDF	1.16e+08	7.09e+07	4.51e+07	1.57;y	32:51	48.783	0.0444	11924;y	3625;y	no
ES	13C-2,3,4,7,8-PeCDF	9.99e+07	6.17e+07	3.82e+07	1.61;y	33:27	44.359	0.0468	10993;y	3166;y	no
ES	13C-1,2,3,4,7,8-HxCDF	8.41e+07	2.78e+07	5.63e+07	0.49;y	35:24	39.640	0.0493	2671;y	3451;y	no
ES	13C-1,2,3,6,7,8-HxCDF	1.02e+08	3.37e+07	6.82e+07	0.49;y	35:31	44.557	0.0457	2711;y	3583;y	no
ES	13C-2,3,4,6,7,8-HxCDF	8.60e+07	2.85e+07	5.75e+07	0.49;y	35:58	40.176	0.0489	2400;y	3089;y	no
ES	13C-1,2,3,7,8,9-HxCDF	8.36e+07	2.81e+07	5.55e+07	0.51;y	36:42	47.355	0.0593	1957;y	2565;y	no
ES	13C-1,2,3,4,6,7,8-HpCDF	7.72e+07	2.47e+07	5.25e+07	0.47;y	38:06	45.639	0.0774	1689;y	1643;y	no
ES	13C-1,2,3,4,7,8,9-HpCDF	6.43e+07	2.09e+07	4.34e+07	0.48;y	39:54	46.094	0.0938	1188;y	1143;y	no
JS	13C-1,2,3,4-TCDD	1.73e+08	7.72e+07	9.55e+07	0.81;y	29:46	85.361	-	4079;y	5399;y	no
JS	13C-1,2,3,7,8,9-HxCDD	1.70e+08	9.12e+07	7.90e+07	1.15;y	36:25	103.344	-	5967;y	4205;y	no
CS	37Cl-2,3,7,8-TCDD	3.52e+07	3.52e+07	-	-;-	30:30	17.374	0.0326	1516;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	0.756	1.132	TRUE

Filename:	a20feb01a_2	Name of Homolog Group:	Total Tetra-Furans
Sample:	3	Number of Peaks Found:	1
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.1266
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.1135
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	25:06:00
Results Table:	m1613-022001a_2	End Window:	31:43:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
2,3,7,8-TCDF	1	1.55E+05	70300	84200	0.83	y	29:34	0.136	S2N	3.4	y	3.7	y	y

Filename:	a20feb01a_2	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	3	Number of Peaks Found:	0
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.181
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.1506
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	
Results Table:	m1613-022001a_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:	a20feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	3	Number of Peaks Found:	1
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.096
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.049
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-022001a_2	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	2.02E+05	45200	157000	0.29	n	29:46	0.171	RT	2.8	n	8.7	y	n

Filename:	a20feb01a_2	Name of Homolog Group:	Total Penta-Furans Fn2
Sample:	3	Number of Peaks Found:	2
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.096
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.0499
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:08:00
Results Table:	m1613-022001a_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	4.28E+04	25600	17200	1.49	y	32:51	0.036	S2N	2.7	n	2.8	n	y
2,3,4,7,8-PeCDF	2	5.21E+04	30000	22100	1.36	y	33:27	0.046	S2N	2.5	n	1.8	n	y

Filename:	a20feb01a_2	Name of Homolog Group:	Total Penta-Dioxins
Sample:	3	Number of Peaks Found:	2
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.0298
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.1056
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	32:15:00
Results Table:	m1613-022001a_2	End Window:	33:59:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.17E+05	88100	29000	3.04	n	32:51	0.173	S2N	8.8	y	2.9	n	n
	2	1.01E+05	78000	23300	3.34	n	33:27	0.149	S2N	7.7	y	2.5	n	n

Filename:	a20feb01a_2	Name of Homolog Group:	Total Hexa-Furans
Sample:	3	Number of Peaks Found:	9
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.2111
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.0722
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:22:00
Results Table:	m1613-022001a_2	End Window:	36:54:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.60E+04	11000	4960	2.22	n	34:40	0.015	S2N	1.4	n	1	n	n
	2	3.74E+03	768	2970	0.26	n	34:44	0.003	S2N	0.2	n	0.5	n	n
	3	6.07E+03	3100	2970	1.04	n	34:47	0.006	S2N	0.4	n	0.5	n	n
	4	7.57E+03	3270	4300	0.76	n	34:50	0.007	S2N	0.4	n	0.6	n	n
	5	8.50E+03	4840	3660	1.32	y	34:52	0.008	S2N	0.5	n	0.5	n	n
1,2,3,6,7,8-HxCDF	6	2.33E+04	14400	8890	1.62	n	35:31	0.019	S2N	1.5	n	0.9	n	n
	7	1.61E+04	10100	5980	1.7	n	35:34	0.015	S2N	0.9	n	0.6	n	n
2,3,4,6,7,8-HxCDF	8	3.02E+04	15100	15100	1	n	35:59	0.03	S2N	1.3	n	1.8	n	n
	9	8.52E+04	63900	21300	3	n	36:25	0.079	S2N	4.2	y	1.9	n	n

Filename:	a20feb01a_2	Name of Homolog Group:	Total Hexa-Dioxins
Sample:	3	Number of Peaks Found:	11
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.0787
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.307
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:50:00
Results Table:	m1613-022001a_2	End Window:	36:30:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	5.69E+04	25000	31900	0.78	n	34:56	0.083	S2N	3.7	y	3.8	y	y
	2	9.60E+03	1700	7900	0.22	n	35:00	0.014	S2N	0.3	n	1.1	n	n
	3	4.13E+03	2460	1670	1.48	n	35:06	0.006	S2N	0.5	n	0.5	n	n
	4	7.43E+03	1830	5590	0.33	n	35:12	0.011	S2N	0.3	n	1	n	n
	5	1.62E+05	128000	34000	3.76	n	35:24	0	S2N	11.8	y	3.2	y	n
	6	2.10E+05	172000	38300	4.48	n	35:31	0	CF	13.7	y	4.2	y	n
	7	1.71E+04	14400	2670	5.4	n	35:37	0.025	S2N	1.5	n	0.5	n	n
	8	1.65E+04	10900	5560	1.97	n	35:41	0.024	S2N	1.2	n	1	n	n
	9	5.21E+03	2540	2670	0.95	n	35:44	0.008	S2N	0.5	n	0.4	n	n
	10	1.28E+05	88300	39200	2.25	n	35:57	0	S2N	9.9	y	3.5	y	n
	11	1.38E+05	114000	24700	4.6	n	36:42	0	RT	8.5	y	2.8	n	n

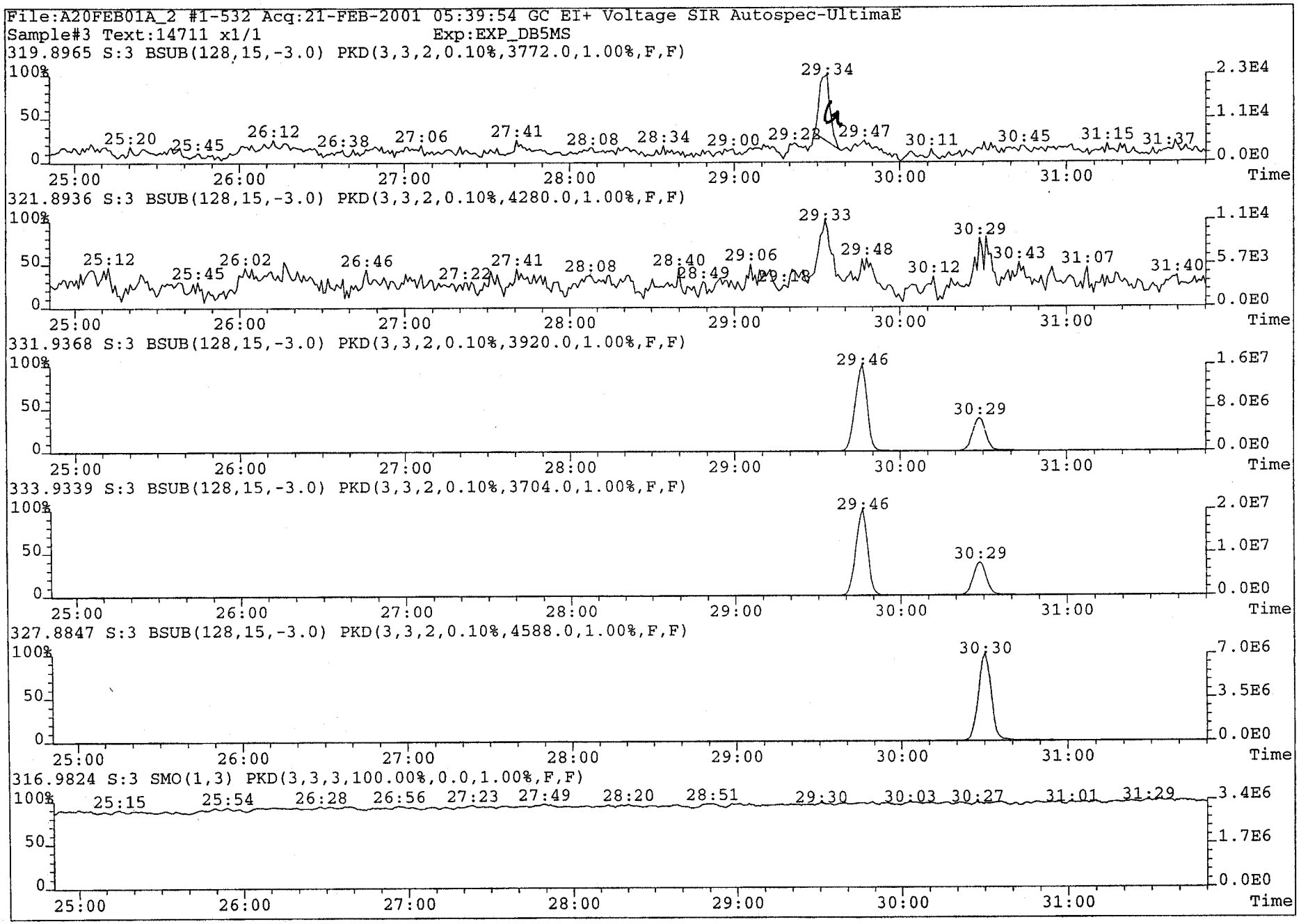
Filename:	a20feb01a_2	Name of Homolog Group:	Total Hepta-Furans
Sample:	3	Number of Peaks Found:	3
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.4605
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.0608
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	37:55:00
Results Table:	m1613-022001a_2	End Window:	40:04:00

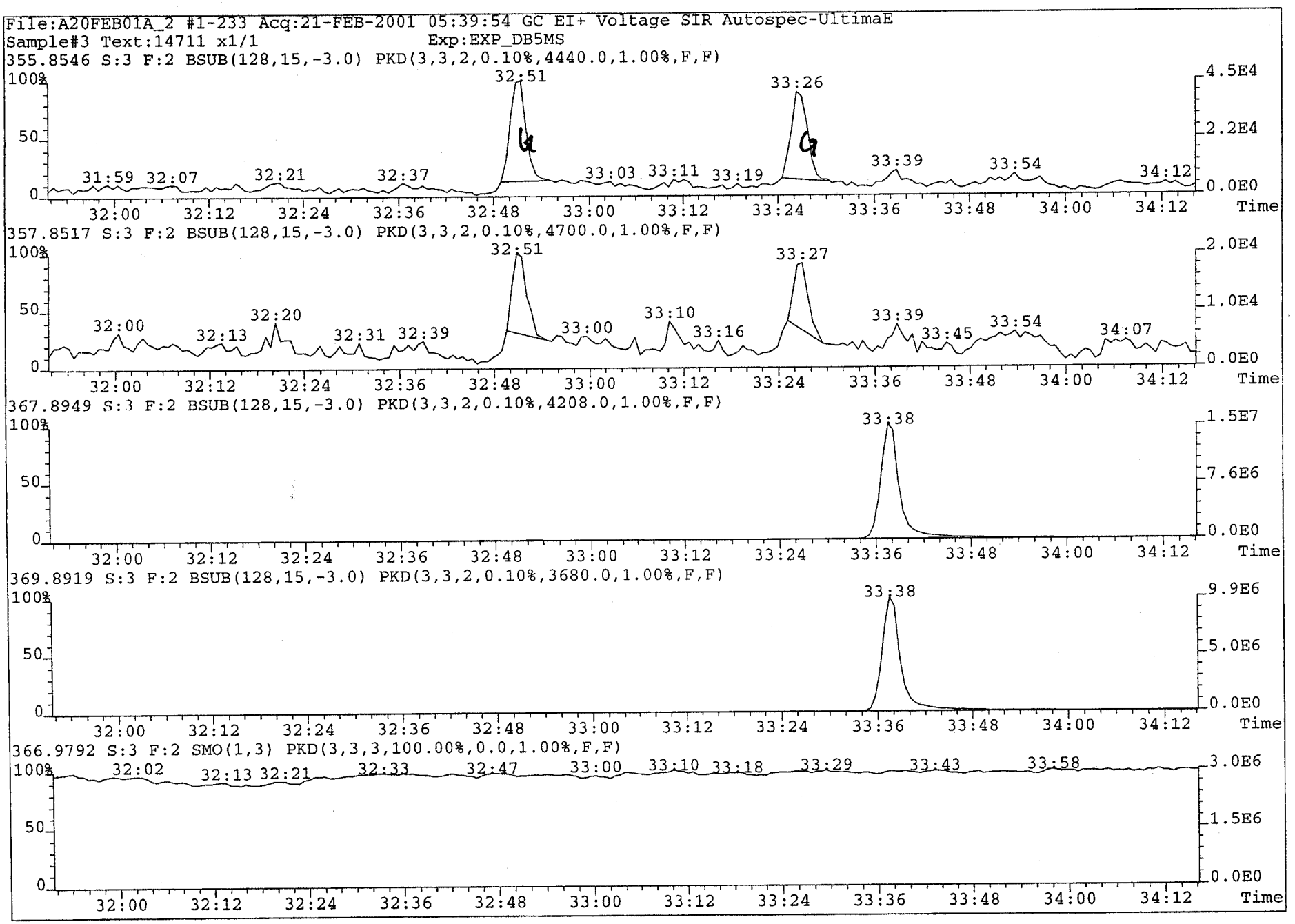
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,6,7,8-HpCDI	1	5.38E+04	30300	23600	1.28	n	38:05	0.048	S2N	4	y	2.7	n	n
	2	6.18E+03	3460	2730	1.27	n	38:16	0.006	S2N	0.6	n	0.5	n	n
	3	5.26E+04	25800	26900	0.96	y	38:36	0.051	S2N	3.7	y	3.5	y	n

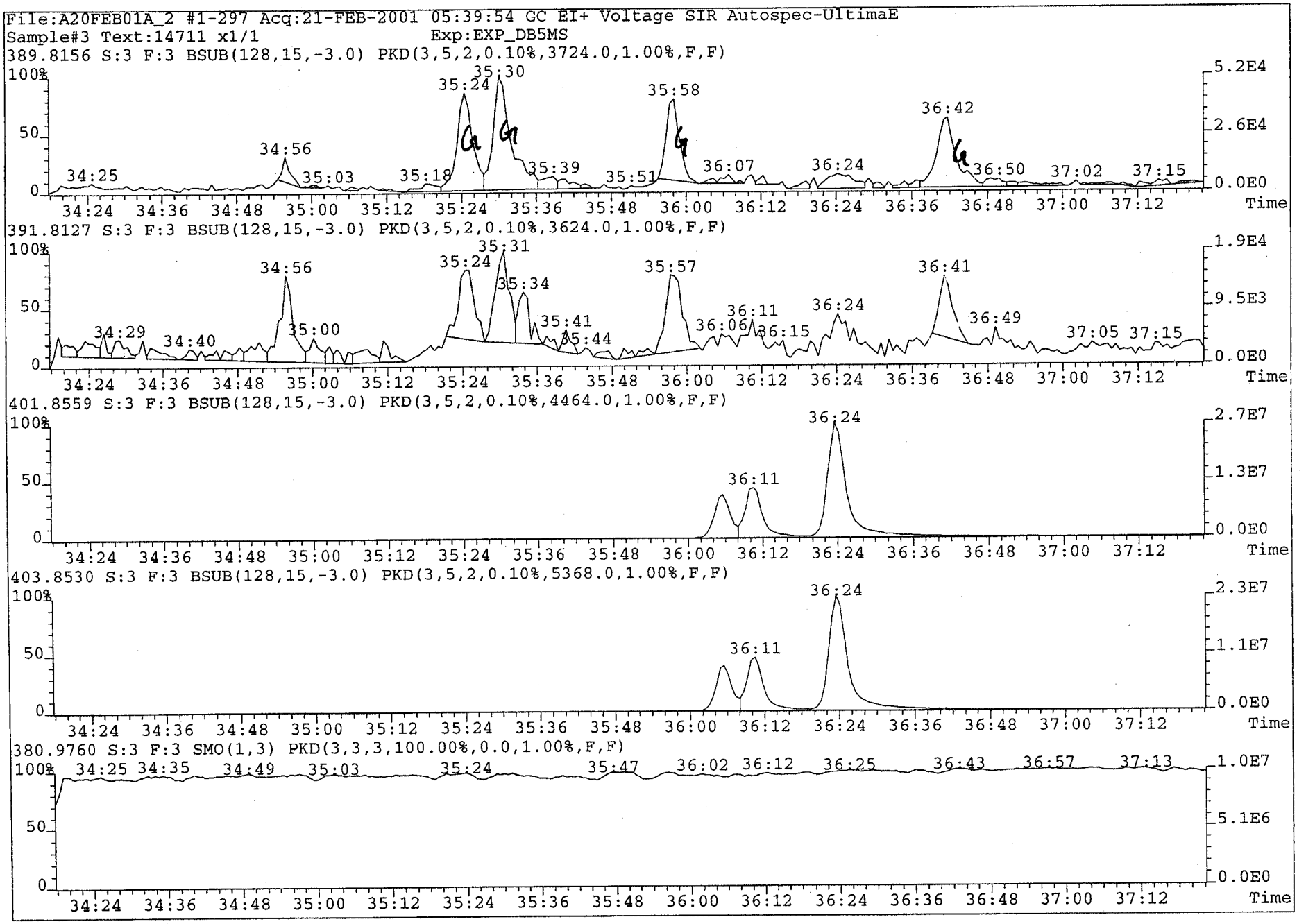
Filename:	a20feb01a_2	Name of Homolog Group:	Total Hepta-Dioxins
Sample:	3	Number of Peaks Found:	21
Acquired:	21-FEB-01 05:39:54	RRF Used For Totals:	1.0066
Processed:	21-FEB-01 13:29:51	Detection Limit:	0.123
Sample ID:	14711 x1/1		
Cal Table:	m1613-052699m	Begin Window:	38:15:00
Results Table:	m1613-022001a_2	End Window:	38:35:00

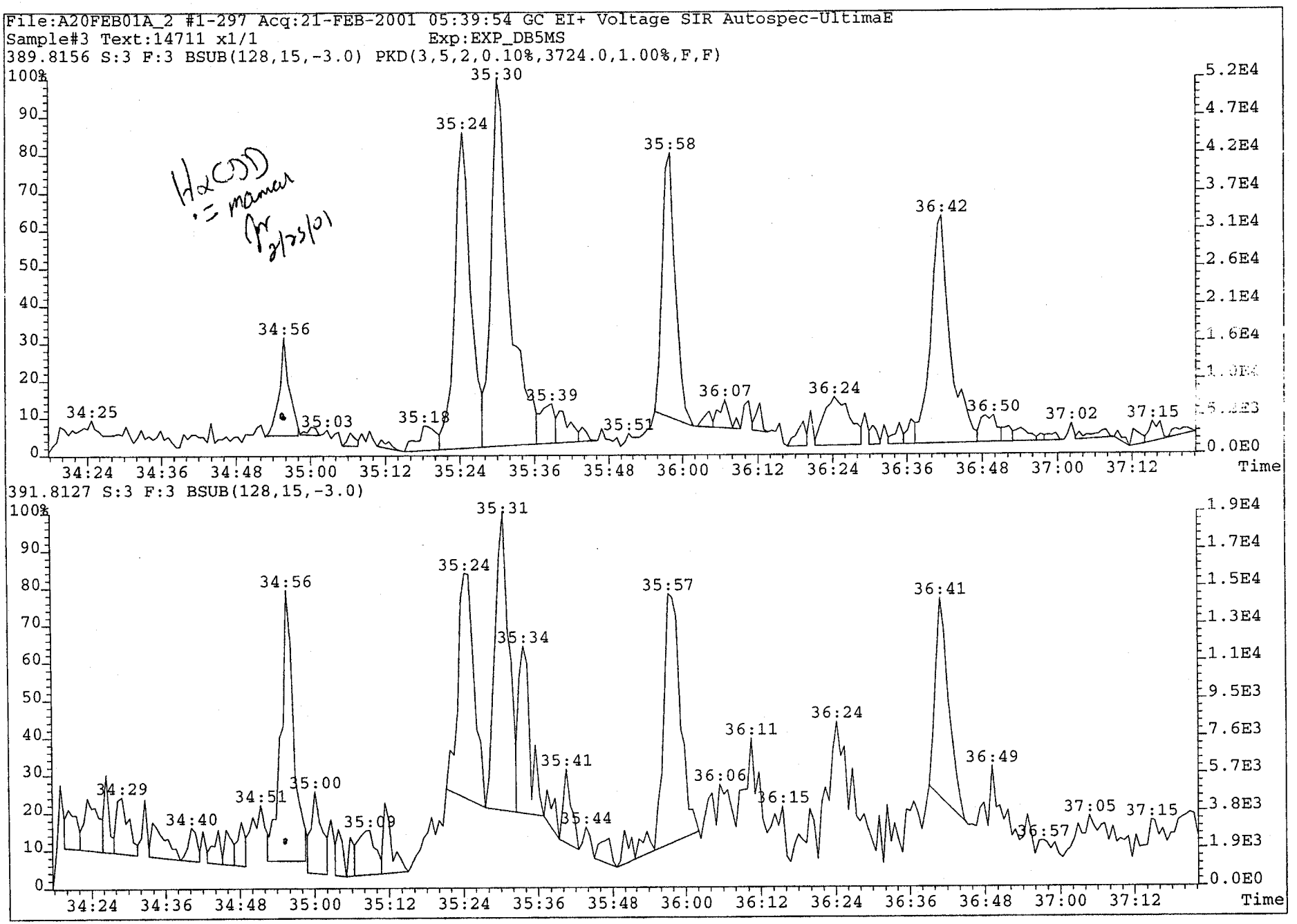
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.10E+05	82600	27200	3.04	n	38:05	0.183	RT	8.8	y	3.5	y	n
	2	4.53E+05	232000	221000	1.05	y	38:24	0.756	OK	21	y	22	y	n

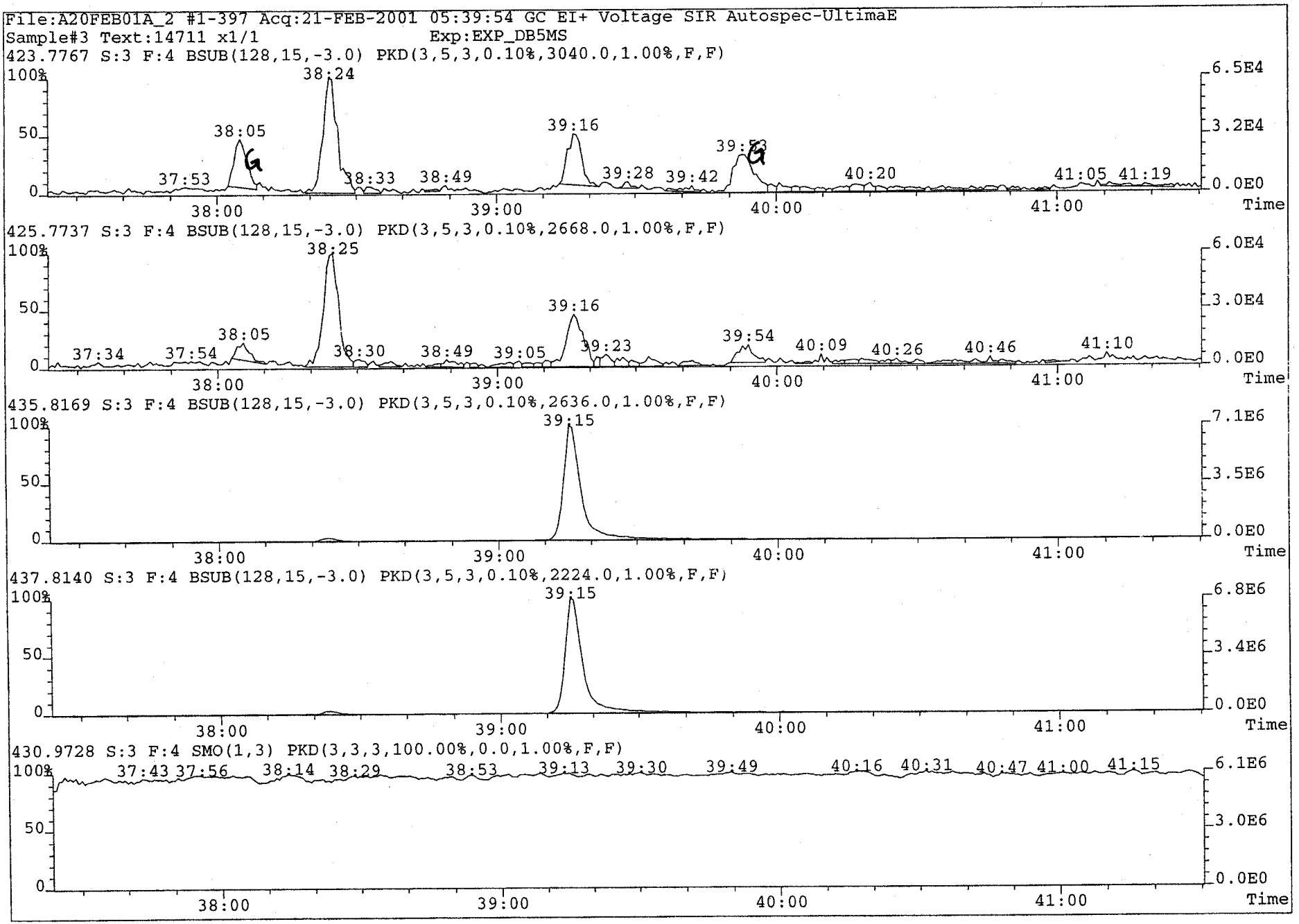
	3	6.27E+03	2650	3620	0.73 n	38:46	0.01 RT	0.4 n	0.7 n	n
1,2,3,4,6,7,8-HpCDI	4	2.25E+05	124000	101000	1.23 n	39:16	0.376 RT	10.3 y	9.6 y	y
	5	1.22E+04	6340	5850	1.08 y	39:28	0.02 RT	1.1 n	1.2 n	n
	6	1.68E+04	8000	8760	0.91 y	39:41	0.028 RT	1.2 n	1 n	n
	7	1.39E+05	106000	33300	3.17 n	39:53	0.232 RT	6.9 y	3.5 y	n
	8	7.50E+03	5250	2250	2.34 n	40:04	0.013 RT	1.1 n	0.4 n	n
	9	8.83E+03	6580	2250	2.93 n	40:06	0.015 RT	1 n	0.4 n	n
	10	1.17E+04	8240	3440	2.4 n	40:14	0.019 RT	1 n	0.7 n	n
	11	1.66E+04	10400	6120	1.7 n	40:17	0.028 RT	1.3 n	0.9 n	n
	12	1.69E+04	8700	8210	1.06 y	40:19	0.028 RT	1.7 n	1 n	n
	13	9.26E+03	5600	3660	1.53 n	40:22	0.015 RT	1 n	0.8 n	n
	14	1.32E+04	7610	5630	1.35 n	40:26	0.022 RT	0.9 n	1.1 n	n
	15	1.16E+04	7120	4520	1.58 n	40:29	0.019 RT	0.7 n	0.9 n	n
	16	1.05E+04	4950	5500	0.9 y	40:34	0.017 RT	0.8 n	0.7 n	n
	17	9.63E+03	4850	4780	1.01 y	40:37	0.016 RT	0.7 n	0.9 n	n
	18	9.08E+03	4990	4090	1.22 n	40:42	0.015 RT	0.7 n	1 n	n
	19	1.03E+04	5370	4950	1.08 y	40:46	0.017 RT	0.7 n	1.5 n	n
	20	7.99E+03	3300	4690	0.7 n	40:50	0.013 RT	0.6 n	0.8 n	n
	21	5.51E+03	2760	2750	1 y	40:57	0.009 RT	0.5 n	0.5 n	n

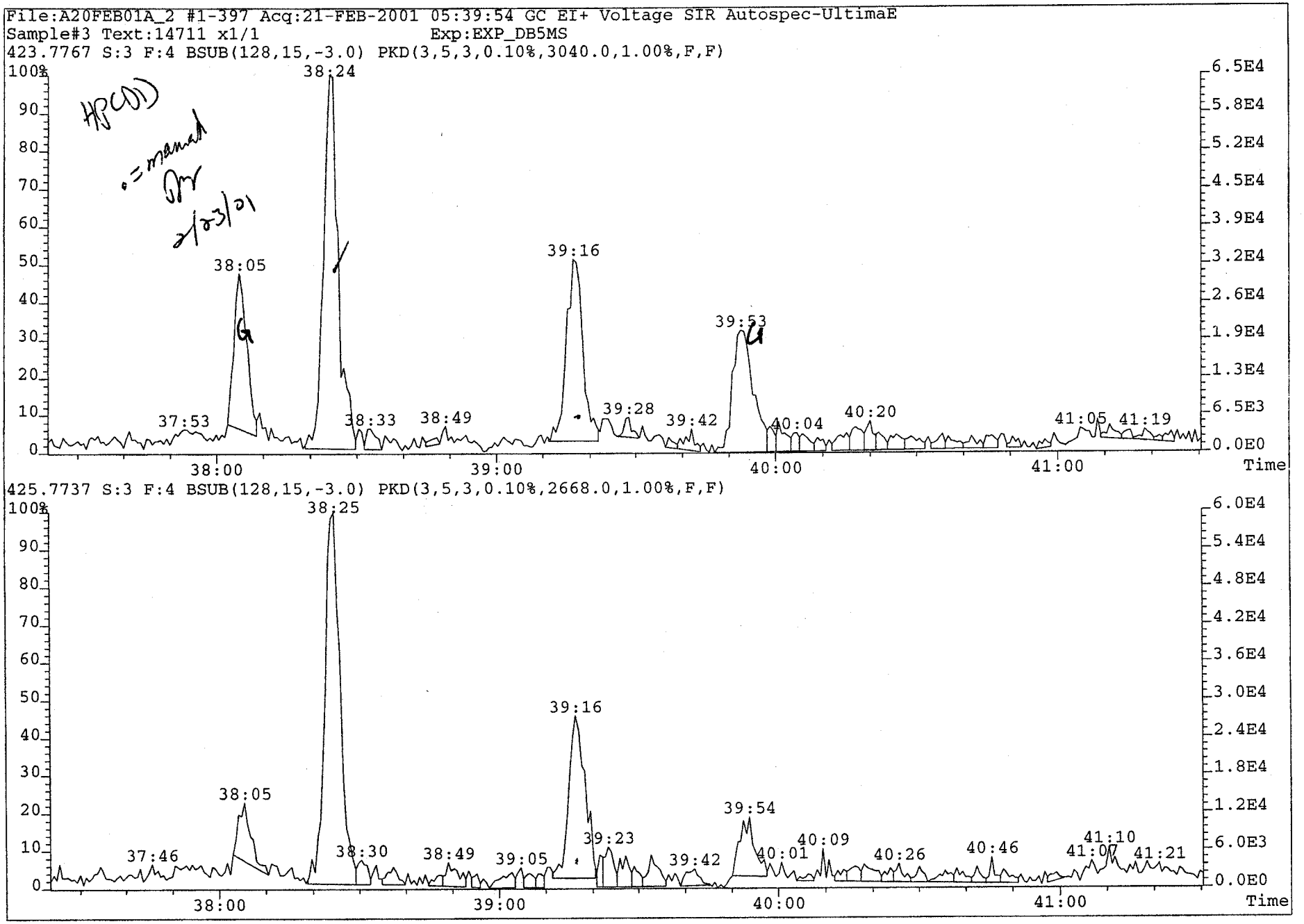

File:A20FEB01A_2 #1-532 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
319.8965 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3772.0,1.00%,F,F)
29:34
321.8936 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4280.0,1.00%,F,F)
29:33
331.9368 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3920.0,1.00%,F,F)
29:46
30:29
333.9339 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3704.0,1.00%,F,F)
29:46
30:29
327.8847 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4588.0,1.00%,F,F)
30:30
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

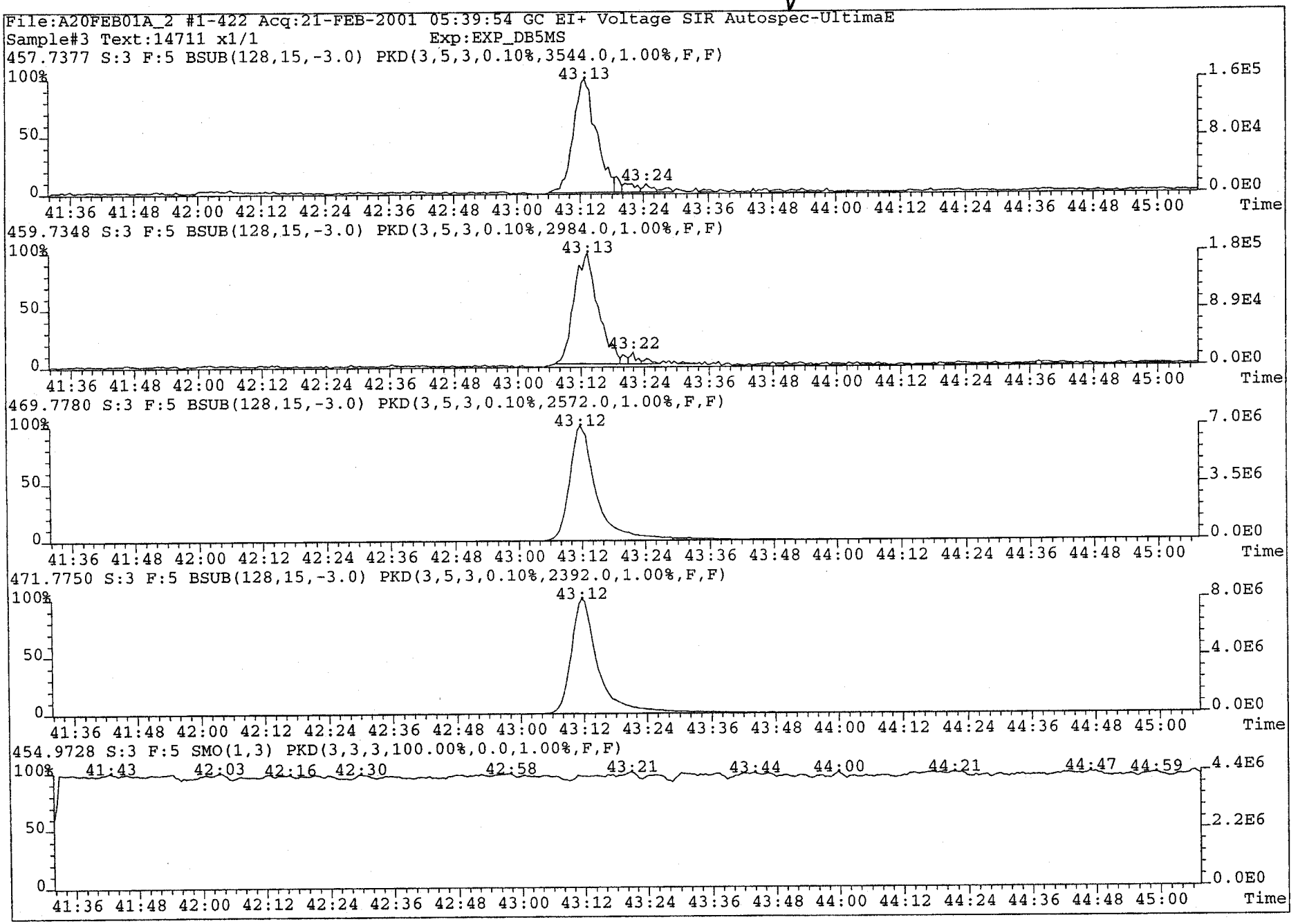

File:A20FEB01A_2 #1-233 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
355.8546 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4440.0,1.00%,F,F)
32:51
33:26
31:59 32:07 32:21 32:37 33:03 33:11 33:19 33:39 33:54 34:12
4.5E4
2.2E4
0.0E0
357.8517 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4700.0,1.00%,F,F)
32:51
33:27
32:00 32:13 32:20 32:31 32:39 33:00 33:10 33:16 33:39 33:45 33:54 34:07
2.0E4
1.0E4
0.0E0
367.8949 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4208.0,1.00%,F,F)
33:38
1.5E7
7.6E6
0.0E0
369.8919 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3680.0,1.00%,F,F)
33:38
9.9E6
5.0E6
0.0E0
366.9792 S:3 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:02 32:13 32:21 32:33 32:47 33:00 33:10 33:18 33:29 33:43 33:58
3.0E6
1.5E6
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

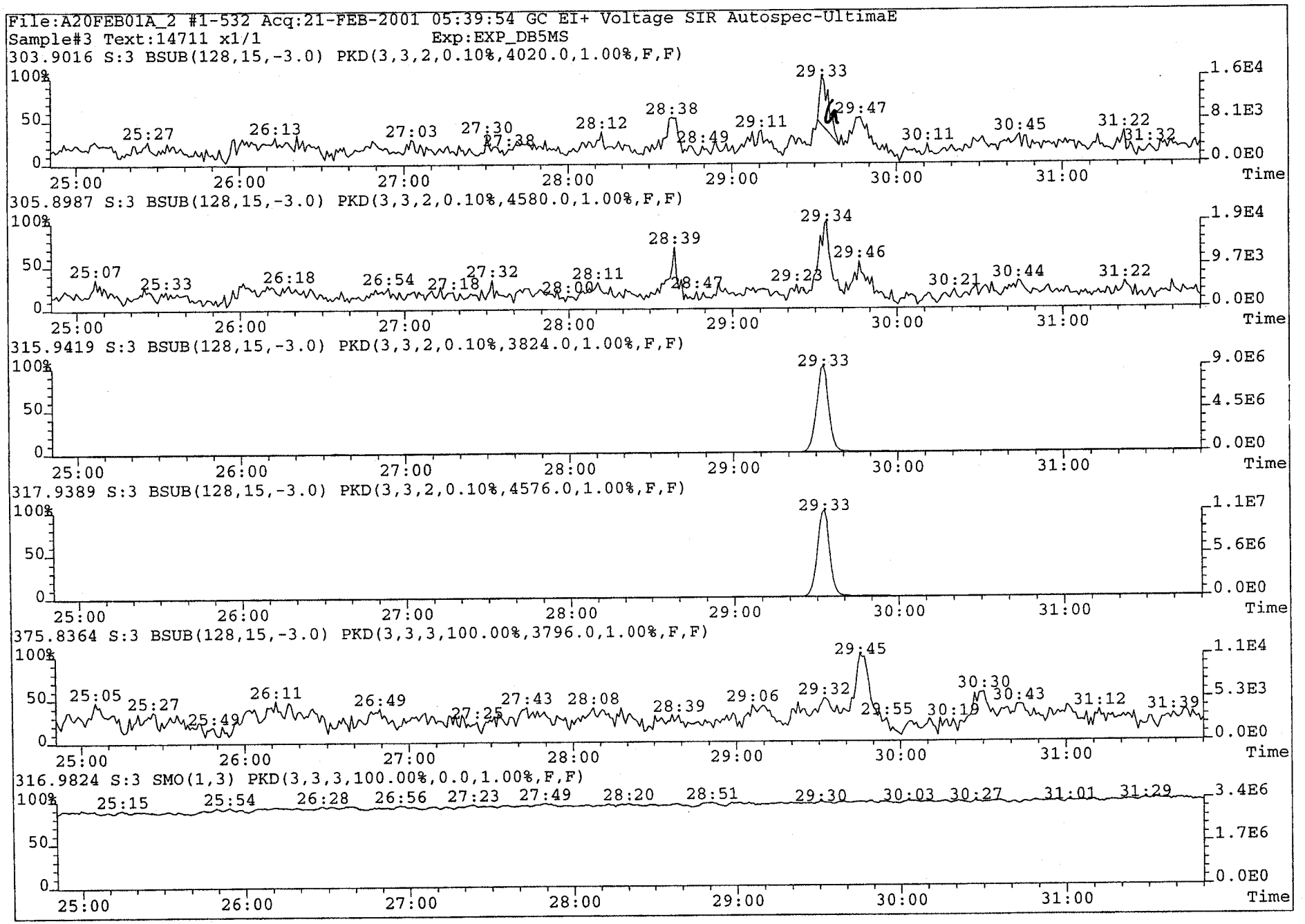

File:A20FEB01A_2 #1-297 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
389.8156 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3724.0,1.00%,F,F)
391.8127 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3624.0,1.00%,F,F)
401.8559 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4464.0,1.00%,F,F)
403.8530 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5368.0,1.00%,F,F)
380.9760 S:3 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

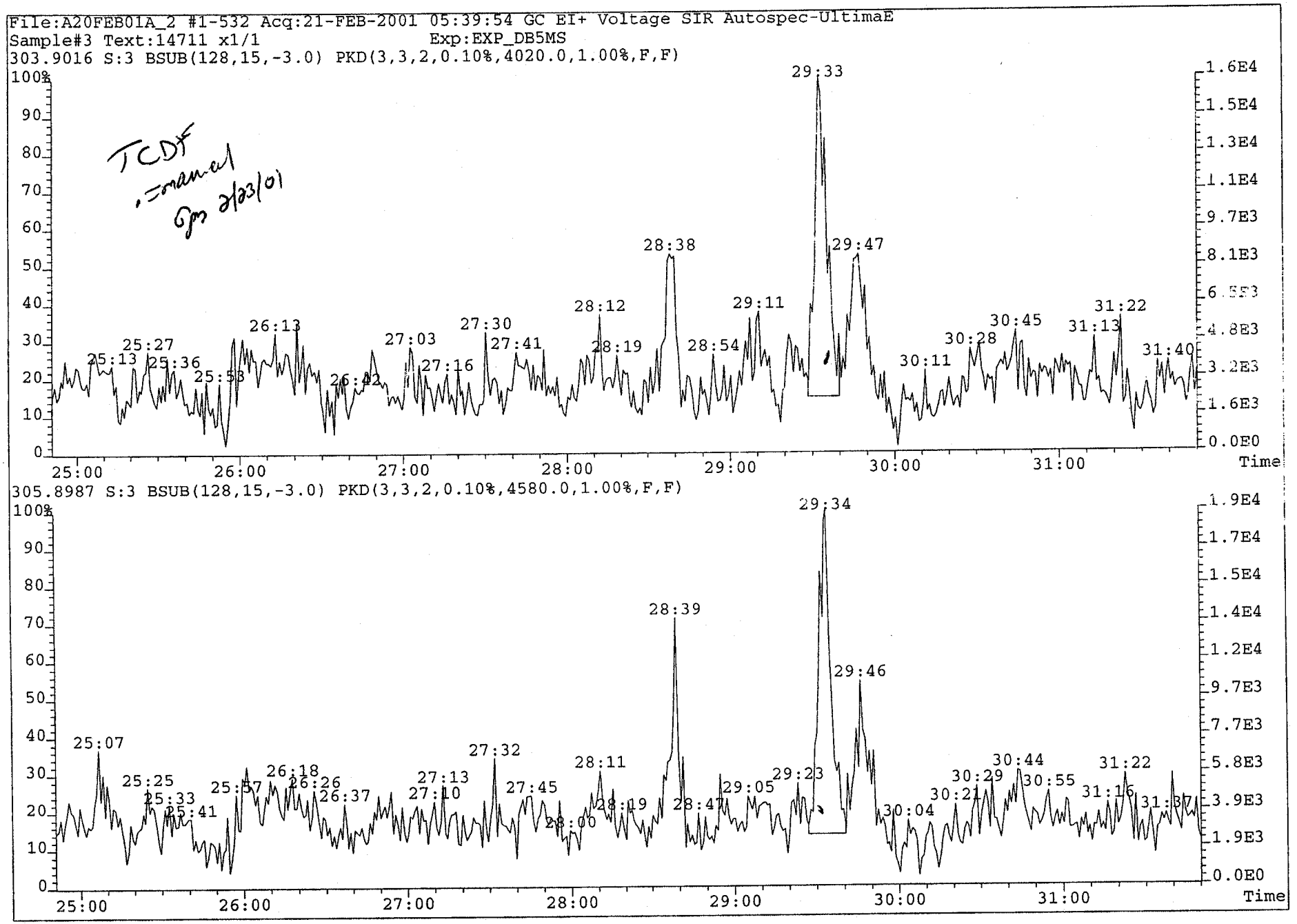

File:A20FEB01A_2 #1-297 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
389.8156 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3724.0,1.00%,F,F)
HxCDD = manual (for 2/23/01)
35:30
35:24
35:58
36:42
34:56
34:25
35:03
35:18
35:39
35:51
36:07
36:24
36:50
37:02
37:15
Time
391.8127 S:3 F:3 BSUB(128,15,-3.0)
35:31
35:24
34:56
35:57
36:41
35:34
36:11
36:24
35:41
36:49
34:29
34:51
35:00
34:40
35:09
36:06
36:15
35:44
37:05
37:15
36:57
Time

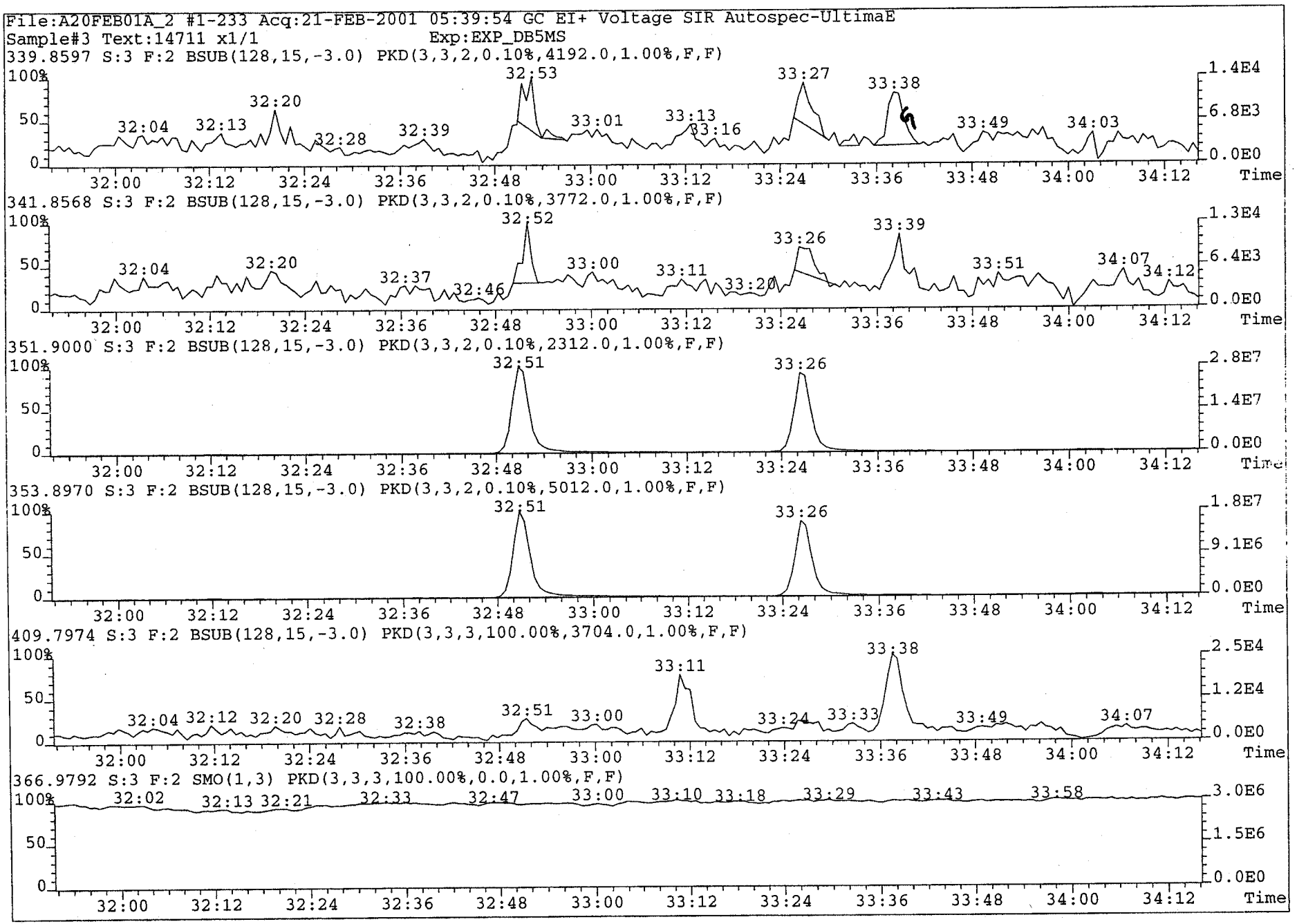

File:A20FEB01A_2 #1-397 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
423.7767 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3040.0,1.00%,F,F)
38:24
38:05
39:16
37:53
38:33
38:49
39:28
39:42
40:20
41:05
41:19
6.5E4
3.2E4
0.0E0
425.7737 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2668.0,1.00%,F,F)
38:25
39:16
38:05
37:34
37:54
38:30
38:49
39:05
39:23
39:54
40:09
40:26
40:46
41:10
6.0E4
3.0E4
0.0E0
435.8169 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2636.0,1.00%,F,F)
39:15
7.1E6
3.5E6
0.0E0
437.8140 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2224.0,1.00%,F,F)
39:15
6.8E6
3.4E6
0.0E0
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:43 37:56 38:14 38:29 38:53 39:13 39:30 39:49 40:16 40:31 40:47 41:00 41:15
6.1E6
3.0E6
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

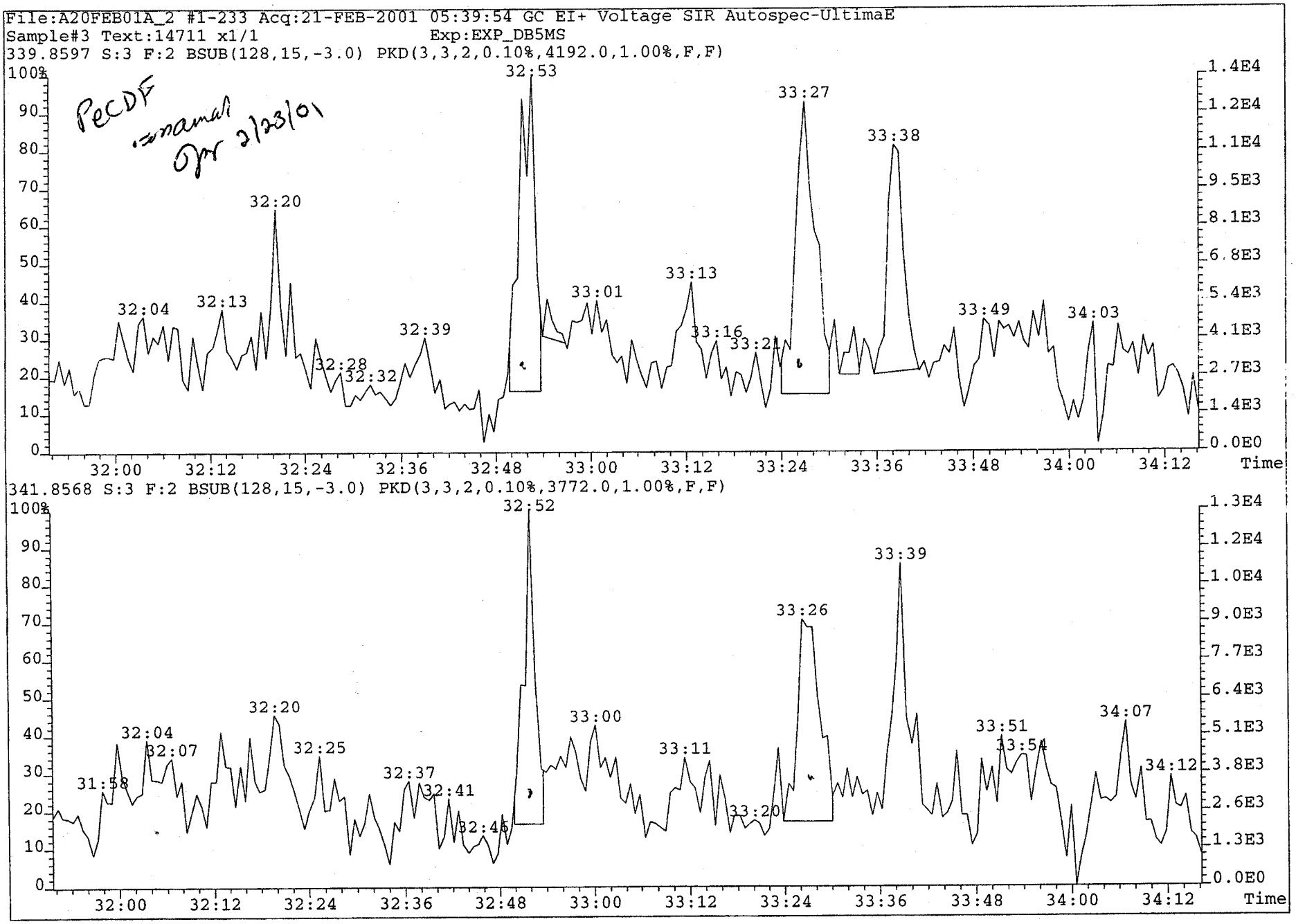

File:A20FEB01A_2 #1-397 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
423.7767 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3040.0,1.00%,F,F)
HPCDD
• = manual
2/23/01
38:24
38:05
39:16
39:53
37:53
38:33
38:49
39:28
39:42
40:04
40:20
41:05
41:19
Time
425.7737 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2668.0,1.00%,F,F)
38:25
39:16
38:05
39:54
37:46
38:30
38:49
39:05
39:23
39:42
40:01
40:09
40:26
40:46
41:07
41:10
41:21
Time

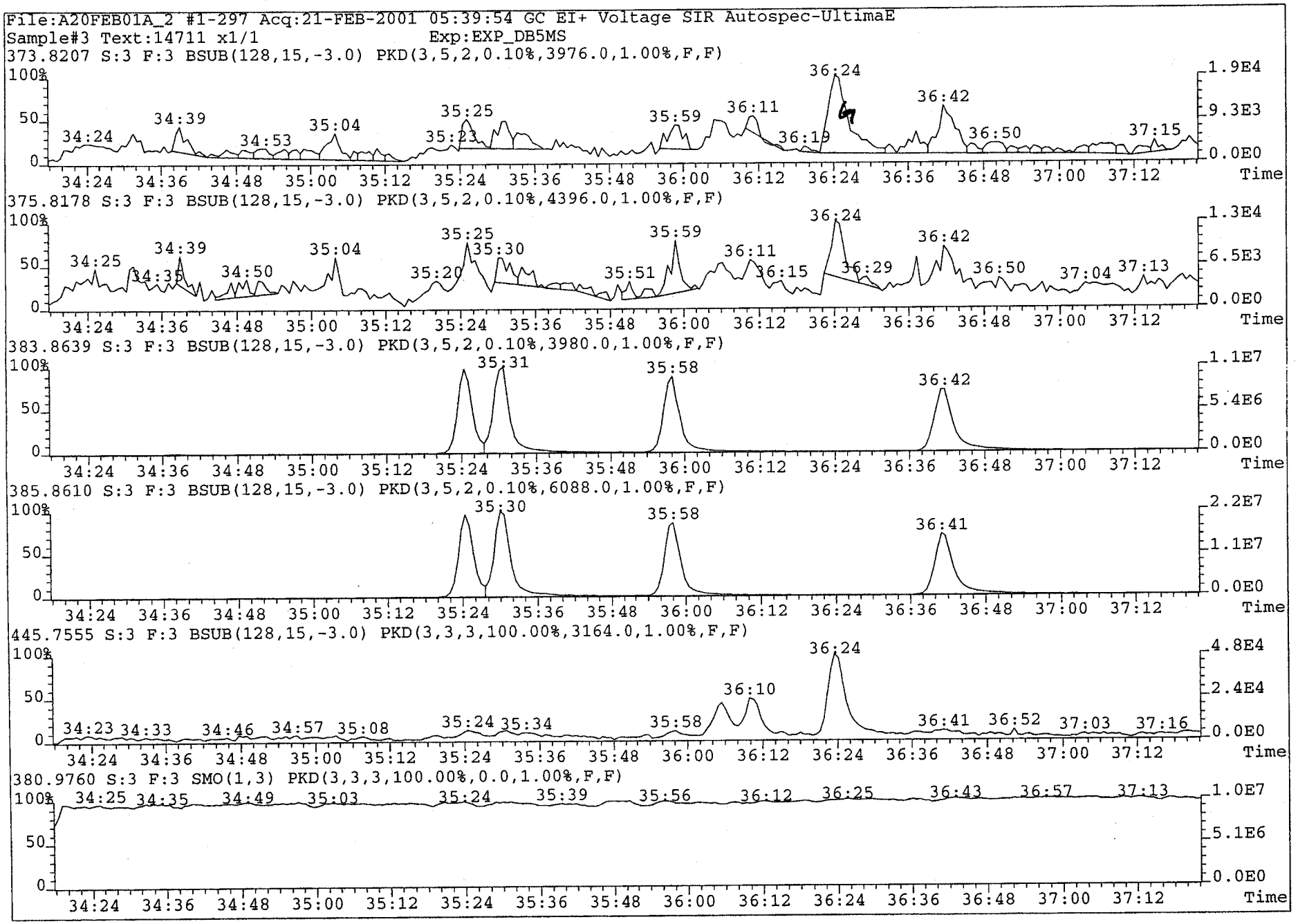

File:A20FEB01A_2 #1-422 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
457.7377 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3544.0,1.00%,F,F)
43:13
43:24
1.6E5
8.0E4
0.0E0
459.7348 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2984.0,1.00%,F,F)
43:13
43:22
1.8E5
8.9E4
0.0E0
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2572.0,1.00%,F,F)
43:12
7.0E6
3.5E6
0.0E0
471.7750 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2392.0,1.00%,F,F)
43:12
8.0E6
4.0E6
0.0E0
454.9728 S:3 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:43 42:03 42:16 42:30 42:58 43:21 43:44 44:00 44:21 44:47 44:59
4.4E6
2.2E6
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

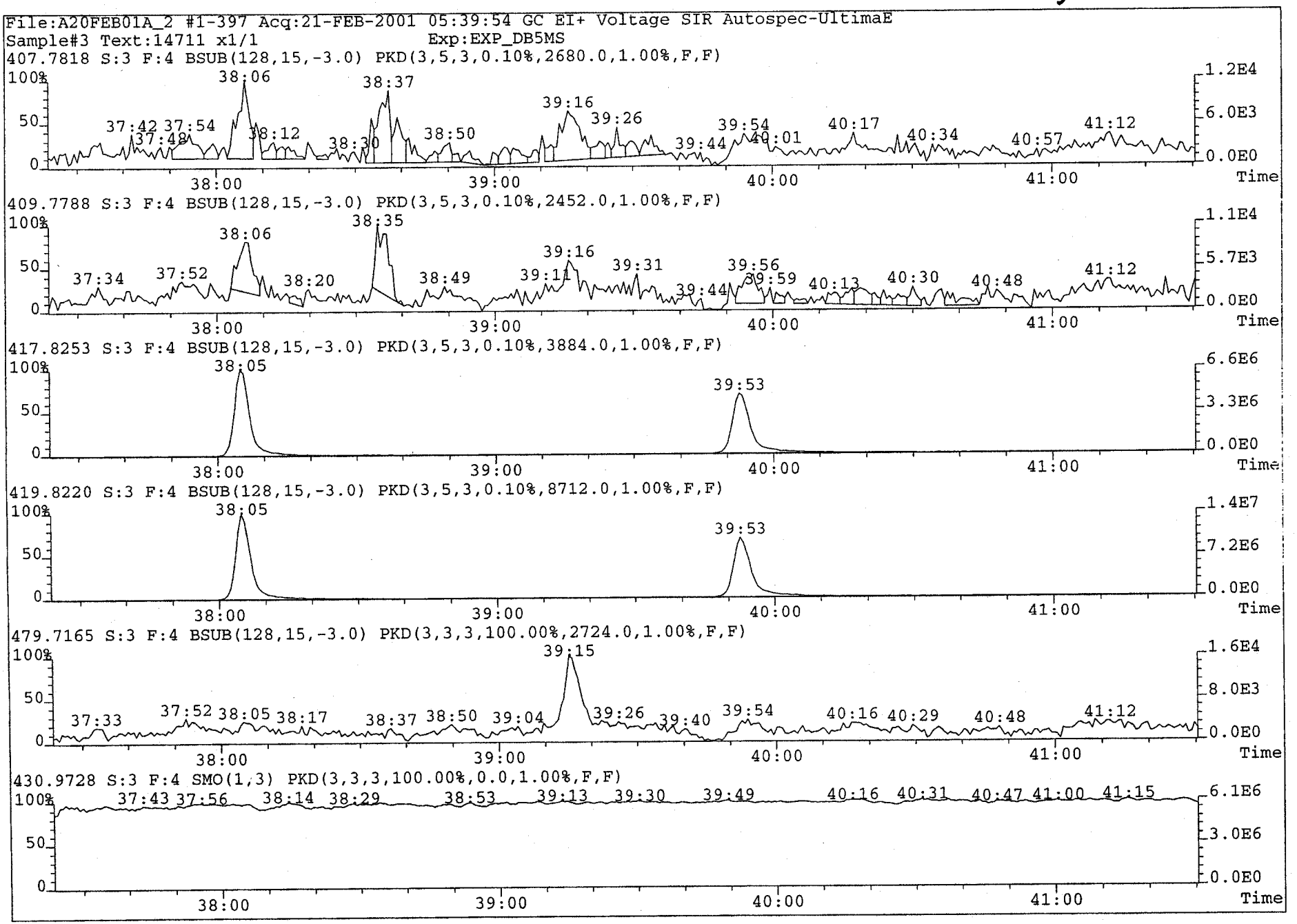

File:A20FEB01A_2 #1-532 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
303.9016 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4020.0,1.00%,F,F)
305.8987 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4580.0,1.00%,F,F)
315.9419 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3824.0,1.00%,F,F)
317.9389 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4576.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3796.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

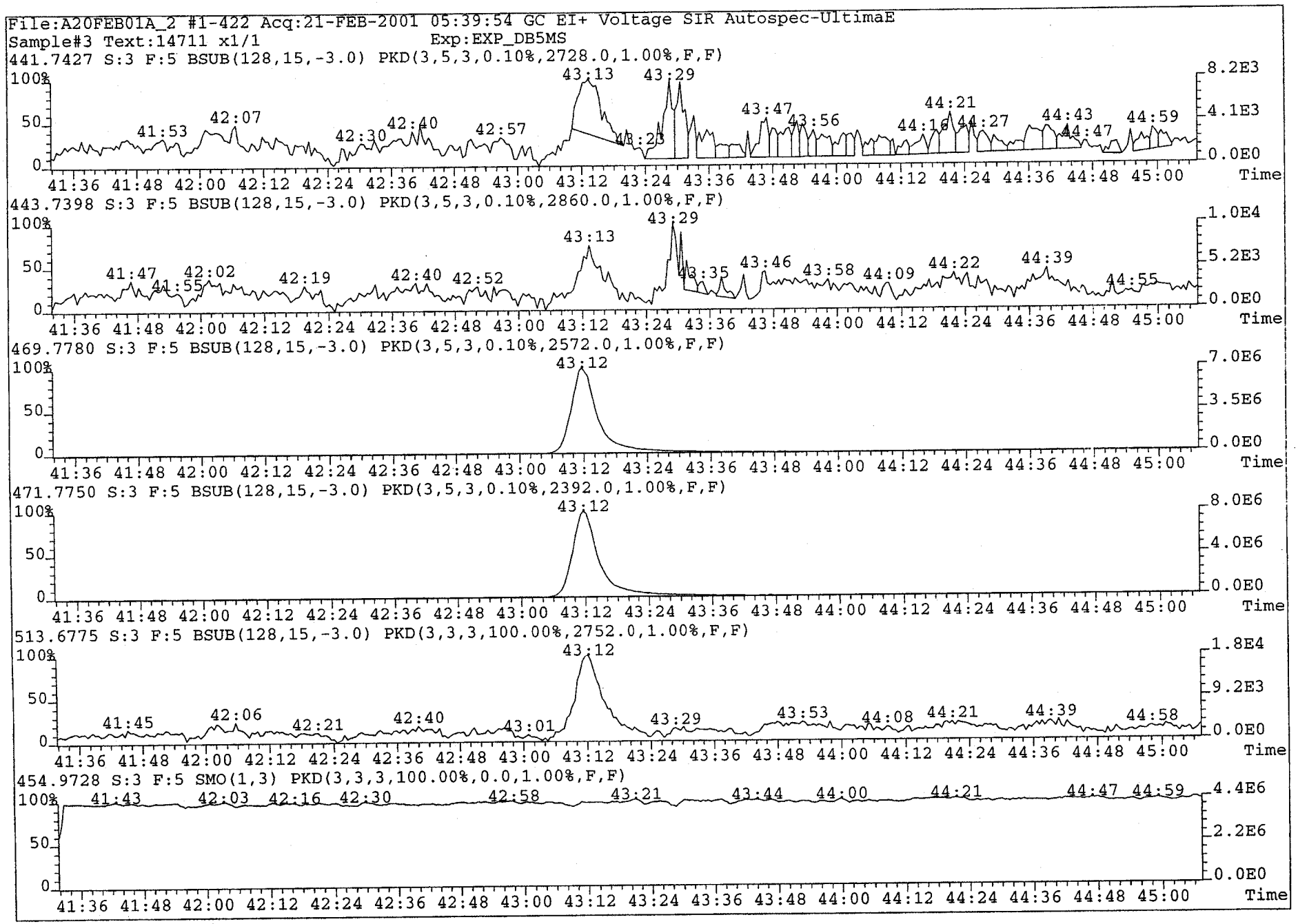

File:A20FEB01A_2 #1-532 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
303.9016 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4020.0,1.00%,F,F)
TCDF
Time
305.8987 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4580.0,1.00%,F,F)
Time

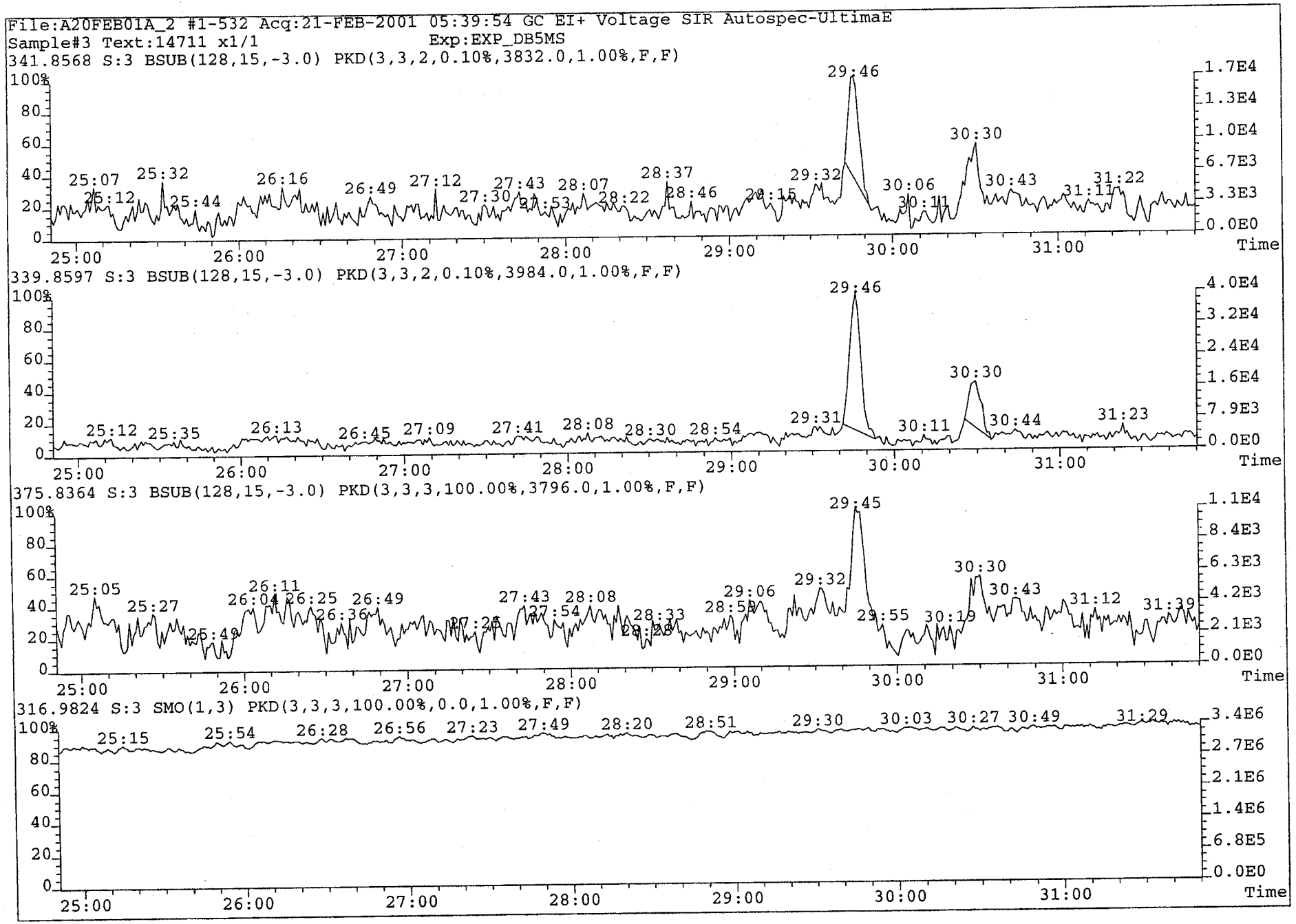

File:A20FEB01A_2 #1-233 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
339.8597 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4192.0,1.00%,F,F)
341.8568 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3772.0,1.00%,F,F)
351.9000 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2312.0,1.00%,F,F)
353.8970 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5012.0,1.00%,F,F)
409.7974 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3704.0,1.00%,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:A20FEB01A_2 #1-233 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
339.8597 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4192.0,1.00%,F,F)
PeCDF
32:53
33:27
33:38
32:20
33:13
33:01
32:04
32:13
32:39
33:16
33:21
33:49
34:03
32:28
32:32
Time
341.8568 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3772.0,1.00%,F,F)
32:52
33:39
33:26
32:20
33:00
33:51
34:07
32:04
32:07
32:25
33:11
33:54
31:58
32:37
32:41
34:12
33:20
32:46
Time


File:A20FEB01A_2 #1-297 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
373.8207 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3976.0,1.00%,F,F)
375.8178 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4396.0,1.00%,F,F)
383.8639 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3980.0,1.00%,F,F)
385.8610 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6088.0,1.00%,F,F)
445.7555 S:3 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3164.0,1.00%,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:A20FEB01A_2 #1-397 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
407.7818 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2680.0,1.00%,F,F)
409.7788 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2452.0,1.00%,F,F)
417.8253 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3884.0,1.00%,F,F)
419.8220 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8712.0,1.00%,F,F)
479.7165 S:3 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2724.0,1.00%,F,F)
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A_2 #1-422 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1 Exp:EXP_DB5MS
441.7427 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2728.0,1.00%,F,F)
443.7398 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2860.0,1.00%,F,F)
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2572.0,1.00%,F,F)
471.7750 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2392.0,1.00%,F,F)
513.6775 S:3 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2752.0,1.00%,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:A20FEB01A_2 #1-532 Acq:21-FEB-2001 05:39:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:14711 x1/1
Exp:EXP_DB5MS
341.8568 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3832.0,1.00%,F,F)
339.8597 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3984.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3796.0,1.00%,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	0.0019				
1,2,3,7,8-PeCDD	ND	0.0013				
1,2,3,4,7,8-HxCDD	ND	0.0014				
1,2,3,6,7,8-HxCDD	ND	0.0013				
1,2,3,7,8,9-HxCDD	ND	0.0012				
1,2,3,4,6,7,8-HpCDD	ND	0.0031				
OCDD	0.0114			43:13	0.94	A
2,3,7,8--TCDF	ND	0.0012				
1,2,3,7,8-PeCDF	0.0009			32:51	1.36	A
2,3,4,7,8-PeCDF	0.0010			33:27	1.54	A
1,2,3,4,7,8-HxCDF	EMPC	0.0007	0.0009	35:25	1.02	
1,2,3,6,7,8-HxCDF	0.0008			35:31	1.4	A
2,3,4,6,7,8-HxCDF	EMPC	0.0008	0.0011	35:59	1.04	
1,2,3,7,8,9-HxCDF	0.0016			36:42	1.1	A
1,2,3,4,6,7,8-HpCDF	ND	0.0013				
1,2,3,4,7,8,9-HpCDF	ND	0.0020				
OCDF	ND	0.0023				
Total TCDDs	ND	0.0019				
Total PeCDDs	ND	0.0038				
Total HxCDDs	ND	0.0047				
Total HpCDDs	ND	0.0031				
Total TCDFs	ND	0.0012				
Total PeCDFs	0.0019					
Total HxCDFs	0.0024		0.0043			
Total HpCDFs	ND	0.0016				
ITEF TEQ (ND=0)	0.0008		0.0010			
ITEF TEQ (ND=½)	0.0024		0.0026			

Laboratory Information

Sample ID: WG5277-1

Extraction Date: 16-Feb-01
Analysis Date: 20-Feb-01

Sample Information

Matrix: Aqueous
Weight / Volume: 500 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5277

Filename: a20feb01a-3
Retchk: a20feb01a-1
Begin ConCal: a20feb01a-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	0.67	67.0	30:28	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1	0.73	72.7	33:38	1.55	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1	0.77	76.5	36:05	1.16	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1	0.92	92.1	36:11	1.16	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1	0.75	75.2	39:17	1.01	
$^{13}C_{12}$-OCDD	2	1.31	65.6	43:13	0.84	
$^{13}C_{12}$-2,3,7,8-TCDF	1	0.75	74.6	29:32	0.8	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1	0.81	80.7	32:51	1.61	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1	0.82	82.3	33:27	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1	0.74	74.3	35:24	0.48	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1	0.89	89.1	35:31	0.5	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1	0.80	79.9	35:58	0.49	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1	0.94	94.1	36:42	0.5	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1	0.88	88.4	38:06	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1	0.92	91.7	39:54	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.4	0.31	76.8	30:30		
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	0.49	

Laboratory Information

Sample ID: WG5277-1

Extraction Date: 16-Feb-01
Analysis Date: 20-Feb-01

Analyzed by: HMP
Date: 23Feb01

Sample Information

Matrix: Aqueous
Weight / Volume: 500 mL
Solids / Lipids: NA
Original pH : 5
Batch ID: WG5277

Filename: a20feb01a-3
Retchk: a20feb01a-1
Begin ConCal: a20feb01a-1

Initial Cal: m1613-052699m

Reviewed by: [signature]
Date: 2/23/01

Filename ; a20feb01a
Sample ; 3
Acquired ; 20-FEB-01 17:48:28
Processed ; 21-FEB-01 08:20:12
Sample ID ; WG5277-1 x1/1
Cal Table ; m1613-052699m
Results Table ; m1613-022001a
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		*	0.0929;	*;n;	*;n ;	no
Unk	1,2,3,7,8-PeCDD	4.04e+04	3.13e+04	9.09e+03	3.44;n;	33:39;	0.044;	0.0658;	3;n;	2;n ;	no
Unk	1,2,3,4,7,8-HxCDD	3.88e+04	2.50e+04	1.38e+04	1.81;n;	36:05;	0.045;	0.0696;	3;n;	2;n ;	no
Unk	1,2,3,6,7,8-HxCDD	9.93e+03	4.53e+03	5.41e+03	0.84;n;	36:14;	0.010;	0.0649;	1;n;	1;n ;	no
Unk	1,2,3,7,8,9-HxCDD	4.71e+04	1.92e+04	2.79e+04	0.69;n;	36:25;	0.047;	0.0615;	3;n;	3;y ;	no
Unk	1,2,3,4,6,7,8-HpCDD	1.19e+05	6.40e+04	5.46e+04	1.17;y;	39:16;	0.149;	0.1528;	3;n;	3;n ;	yes
Unk	OCDD	3.29e+05	1.59e+05	1.70e+05	0.94;y;	43:13;	0.570;	0.1842;	8;y;	13;y ;	yes
Unk	2,3,7,8-TCDF	*	*	*	*;n;NotFnd		*	0.0614;	*;n;	*;n ;	no
Unk	1,2,3,7,8-PeCDF	7.41e+04	4.27e+04	3.13e+04	1.36;y;	32:51;	0.046;	0.0314;	6;y;	3;y ;	yes
Unk	2,3,4,7,8-PeCDF	8.53e+04	5.18e+04	3.35e+04	1.54;y;	33:27;	0.051;	0.0297;	8;y;	4;y ;	yes
Unk	1,2,3,4,7,8-HxCDF	5.79e+04	2.92e+04	2.87e+04	1.02;n;	35:25;	0.044;	0.0357;	5;y;	4;y ;	yes
Unk	1,2,3,6,7,8-HxCDF	6.26e+04	3.65e+04	2.61e+04	1.40;y;	35:31;	0.038;	0.0357;	5;y;	4;y ;	yes
Unk	2,3,4,6,7,8-HxCDF	7.17e+04	3.65e+04	3.51e+04	1.04;n;	35:59;	0.054;	0.0418;	5;y;	5;y ;	yes
Unk	1,2,3,7,8,9-HxCDF	1.16e+05	6.06e+04	5.49e+04	1.10;y;	36:42;	0.081;	0.0472;	5;y;	5;y ;	yes
Unk	1,2,3,4,6,7,8-HpCDF	3.77e+04	2.20e+04	1.57e+04	1.40;n;	38:05;	0.026;	0.0670;	2;n;	2;n ;	no
Unk	1,2,3,4,7,8,9-HpCDF	4.42e+04	2.96e+04	1.46e+04	2.02;n;	39:53;	0.035;	0.0983;	2;n;	2;n ;	no
Unk	OCDF	2.28e+04	8.54e+03	1.43e+04	0.60;n;	43:28;	0.032;	0.1138;	2;n;	2;n ;	no
ES/RT	13C-2,3,7,8-TCDD	9.75e+07	4.31e+07	5.44e+07	0.79;y;	30:28;	33.490;	0.0484;	1630;y;	2433;y ;	no
ES	13C-1,2,3,7,8-PeCDD	8.92e+07	5.42e+07	3.50e+07	1.55;y;	33:38;	36.350;	0.0451;	4682;y;	4069;y ;	no
ES	13C-1,2,3,4,7,8-HxCDD	7.53e+07	4.05e+07	3.48e+07	1.16;y;	36:05;	38.239;	0.0361;	3929;y;	3706;y ;	no
ES	13C-1,2,3,6,7,8-HxCDD	1.01e+08	5.43e+07	4.67e+07	1.16;y;	36:11;	46.047;	0.0324;	4844;y;	4738;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDD	7.91e+07	3.97e+07	3.94e+07	1.01;y;	39:17;	37.607;	0.0460;	2036;y;	1805;y ;	no
ES	13C-OCDD	1.07e+08	4.90e+07	5.83e+07	0.84;y;	43:13;	65.535;	0.0302;	3697;y;	4243;y ;	no
ES/RT	13C-2,3,7,8-TCDF	1.54e+08	6.86e+07	8.54e+07	0.80;y;	29:32;	37.318;	0.0261;	3573;y;	4853;y ;	no
ES	13C-1,2,3,7,8-PeCDF	1.52e+08	9.41e+07	5.84e+07	1.61;y;	32:51;	40.370;	0.0248;	11380;y;	7110;y ;	no
ES	13C-2,3,4,7,8-PeCDF	1.47e+08	9.03e+07	5.71e+07	1.58;y;	33:27;	41.170;	0.0262;	11011;y;	7074;y ;	no
ES	13C-1,2,3,4,7,8-HxCDF	1.06e+08	3.46e+07	7.18e+07	0.48;y;	35:24;	37.174;	0.0303;	3147;y;	6944;y ;	no
ES	13C-1,2,3,6,7,8-HxCDF	1.38e+08	4.56e+07	9.19e+07	0.50;y;	35:31;	44.543;	0.0281;	3239;y;	7207;y ;	no
ES	13C-2,3,4,6,7,8-HxCDF	1.15e+08	3.80e+07	7.75e+07	0.49;y;	35:58;	39.940;	0.0300;	2898;y;	6370;y ;	no
ES	13C-1,2,3,7,8,9-HxCDF	1.12e+08	3.75e+07	7.46e+07	0.50;y;	36:42;	47.048;	0.0364;	2350;y;	5092;y ;	no
ES	13C-1,2,3,4,6,7,8-HpCDF	1.01e+08	3.16e+07	6.93e+07	0.46;y;	38:06;	44.214;	0.1768;	727;y;	703;y ;	no
ES	13C-1,2,3,4,7,8,9-HpCDF	8.63e+07	2.69e+07	5.94e+07	0.45;y;	39:54;	45.833;	0.2145;	498;y;	480;y ;	no
JS	13C-1,2,3,4-TCDD	2.74e+08	1.23e+08	1.52e+08	0.81;y;	29:45;	135.627;	-;	4829;y;	7041;y ;	no
JS	13C-1,2,3,7,8,9-HxCDD	2.30e+08	1.24e+08	1.06e+08	1.17;y;	36:25;	139.484;	-;	9978;y;	9398;y ;	no
CS	37Cl-2,3,7,8-TCDD	4.95e+07	4.95e+07	-	-;-;	30:30;	15.347;	0.0203;	2113;y	;	no

	Conc	Empc	Flags
TCDF	0	0	FALSE
TCDD	0	0	FALSE
PeCDF	0	0	FALSE
PeCDD	0	0	FALSE
HxCDF	0.221	0.319	TRUE
HxCDD	0	0	FALSE
HpCDF	0	0	FALSE
HpCDD	0	0	FALSE

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Furans
Sample:	3	Number of Peaks Found:	1
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.1266
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.0614
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	25:06:00
Results Table:	m1613-022001a	End Window:	31:42:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	4.44E+04	17300	27100	0.64	n	29:47	0.026	S2N	1.5	n	2.2	n	n

Filename:	a20feb01a	Name of Homolog Group:	Total Tetra-Dioxins
Sample:	3	Number of Peaks Found:	1
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.181
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.0929
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	26:48:00
Results Table:	m1613-022001a	End Window:	31:36:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.97E+05	154000	42700	3.61	n	29:32	0.171	S2N	8.7	y	3	y	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Furans Fn1
Sample:	3	Number of Peaks Found:	1
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.096
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.034
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:11:00
Results Table:	m1613-022001a	End Window:	31:31:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	3.32E+05	83100	249000	0.33	n	29:45	0.202	RT	4.9	y	16.4	y	n

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Furans Fn2
Sample:	3	Number of Peaks Found:	4
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.096
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.0306
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	31:08:00
Results Table:	m1613-022001a	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	7.41E+04	42700	31300	1.36	y	32:51	0.046	~~S2N~~ ok	6.2	y	3.5	y	y
2,3,4,7,8-PeCDF	2	8.53E+04	51800	33500	1.54	y	33:27	0.051	~~S2N~~ ok	7.5	y	3.8	y	y
	3	4.23E+04	31700	10600	2.98	n	33:38	0.026	S2N	4.2	y	1.3	n	n
	4	4.40E+04	27700	16300	1.7	y	34:02	0.027	S2N	4.8	y	2	n	y

Filename:	a20feb01a	Name of Homolog Group:	Total Penta-Dioxins
Sample:	3	Number of Peaks Found:	3
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.0298
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.19
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	32:15:00
Results Table:	m1613-022001a	End Window:	33:59:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.75E+05	126000	49000	2.56	n	32:51	0	CF	12.2	y	7.1	y	n
	2	1.73E+05	125000	47700	2.62	n	33:27	0	CF	12.2	y	5.7	y	n
1,2,3,7,8-PeCDD	3	4.04E+04	31300	9090	3.44	n	33:39	0.044	S2N	2.5	n	1.6	n	n

Filename:	a20feb01a	Name of Homolog Group:	Total Hexa-Furans
Sample:	3	Number of Peaks Found:	15
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.2111
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.0402
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	34:22:00
Results Table:	m1613-022001a	End Window:	36:54:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,7,8-HxCDF	1	5.79E+04	29200	28700	1.02	n	35:25	0.044	EMPC	5.1	y	4	y	y
1,2,3,6,7,8-HxCDF	2	6.26E+04	36500	26100	1.4	y	35:31	0.038	OK	5.2	y	4.5	y	y
2,3,4,6,7,8-HxCDF	3	7.17E+04	36500	35100	1.04	n	35:59	0.054	EMPC	4.9	y	5.1	y	y
	4	5.71E+04	28700	28400	1.01	n	36:05	0.04	S2N	3.1	y	3.3	y	n
	5	6.23E+04	32300	30100	1.07	y	36:11	0.044	S2N	3.6	y	3.3	y	n
	6	6.52E+03	1510	5010	0.3	n	36:16	0.005	S2N	0.5	n	1.1	n	n
	7	1.46E+05	75300	70400	1.07	y	36:25	0.102	~~OK~~ ghost	6.9	y	5.1	y	n
1,2,3,7,8,9-HxCDF	8	1.16E+05	60600	54900	1.1	y	36:42	0.081	OK	5.1	y	4.9	y	y

	9	1.24E+04	3860	8530	0.45	n	36:46	0.009	S2N	1.5 n	1.7 n n
	10	1.23E+04	3800	8530	0.45	n	36:48	0.009	S2N	1 n	1.7 n n
	11	1.32E+04	3530	9700	0.36	n	36:51	0.009	S2N	0.6 n	1.7 n n
	12	1.30E+04	3370	9650	0.35	n	36:54	0.009	S2N	0.9 n	1.2 n n
	13	7.81E+03	1610	6200	0.26	n	37:01	0.005	RT	0.4 n	0.7 n n
	14	7.70E+03	2770	4930	0.56	n	37:05	0.005	RT	0.7 n	0.9 n n
	15	5.03E+03	2270	2760	0.82	n	37:09	0.004	RT	0.5 n	0.5 n n

Filename: a20feb01a
Sample: 3
Acquired: 20-FEB-01 17:48:28
Processed: 21-FEB-01 08:20:12
Sample ID: WG5277-1 x1/1
Cal Table: m1613-052699m
Results Table: m1613-022001a

Name of Homolog Group: Total Hexa-Dioxins
Number of Peaks Found: 25
RRF Used For Totals: 1.0787
Detection Limit: 0.234
Begin Window: 34:50:00
End Window: 36:30:00

Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.64E+05	133000	31600	4.2	n	35:24	0	CF	13.7	y	5	y	n
	2	2.19E+05	158000	60300	2.62	n	35:30	0	CF	14.4	y	6.6	y	n
	3	1.41E+04	10000	4080	2.46	n	35:36	0.015	S2N	1.6	n	1	n	n
	4	8.31E+03	2750	5560	0.49	n	35:39	0.009	S2N	0.5	n	1.1	n	n
	5	9.16E+03	7910	1250	6.32	n	35:45	0.01	S2N	0.9	n	0.3	n	n
	6	1.10E+04	8760	2200	3.98	n	35:50	0.012	S2N	1.1	n	0.5	n	n
	7	2.23E+05	163000	59700	2.73	n	35:58	0	CF	14.1	y	6.3	y	n
1,2,3,4,7,8-HxCDD	8	3.88E+04	25000	13800	1.81	n	36:05	0.045	S2N	2.6	n	2.5	n	n
	9	5.87E+04	29400	29300	1	n	36:10	0.062	S2N	2.3	n	3.8	y	n
1,2,3,6,7,8-HxCDD	10	9.93E+03	4530	5410	0.84	n	36:14	0.01	S2N	0.9	n	1.2	n	n
1,2,3,7,8,9-HxCDD	11	4.71E+04	19200	27900	0.69	n	36:25	0.047	S2N	2.5	n	3.2	y	n
	12	2.11E+04	7110	14000	0.51	n	36:28	0.022	S2N	0.9	n	1.9	n	n
	13	7.30E+03	3120	4180	0.75	n	36:32	0.008	RT	0.8	n	0.6	n	n
	14	2.03E+05	145000	58400	2.48	n	36:41	0	RT	11	y	4.9	y	n
	15	1.87E+04	14800	3880	3.83	n	36:48	0.02	RT	1.9	n	0.8	n	n
	16	1.16E+04	5370	6200	0.87	n	36:51	0.012	RT	1	n	0.8	n	n
	17	1.72E+04	8620	8590	1	n	36:53	0.018	RT	1.3	n	1.7	n	n
	18	1.51E+04	6500	8590	0.76	n	36:55	0.016	RT	1.1	n	1.7	n	n
	19	5.66E+03	3880	1790	2.17	n	36:57	0.006	RT	0.8	n	0.5	n	n
	20	1.02E+04	5780	4420	1.31	y	37:00	0.011	RT	0.9	n	0.9	n	n
	21	8.59E+03	6900	1680	4.1	n	37:05	0.009	RT	1.7	n	0.5	n	n
	22	9.35E+03	5270	4090	1.29	y	37:08	0.01	RT	0.8	n	0.5	n	n
	23	6.06E+03	1970	4090	0.48	n	37:10	0.006	RT	0.6	n	0.5	n	n
	24	3.61E+03	1280	2330	0.55	n	37:17	0.004	RT	0.2	n	0.8	n	n
	25	5.73E+03	4070	1660	2.45	n	37:20	0.006	RT	0.5	n	0.5	n	n

Filename: a20feb01a
Sample: 3

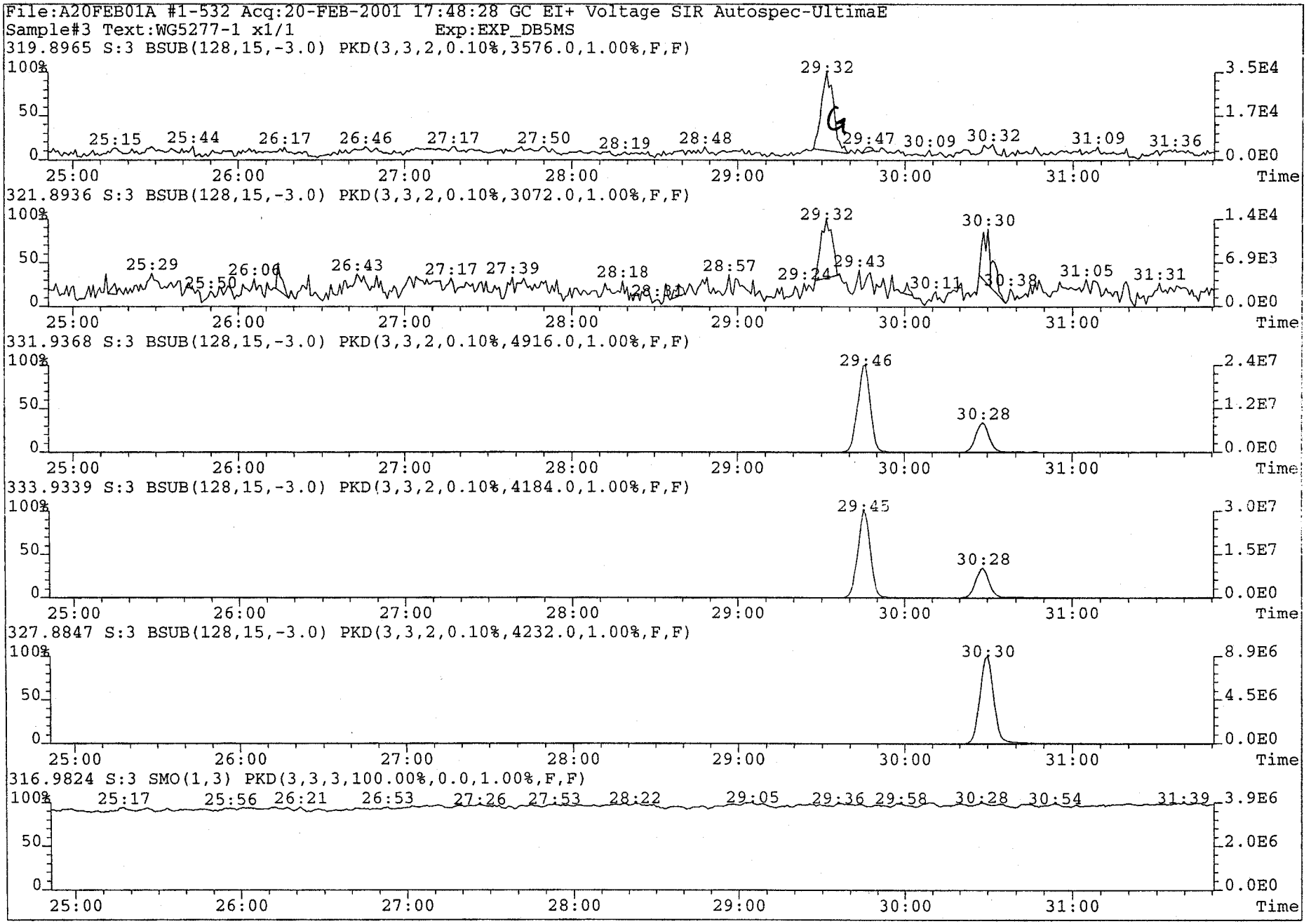
Name of Homolog Group: Total Hepta-Furans
Number of Peaks Found: 21

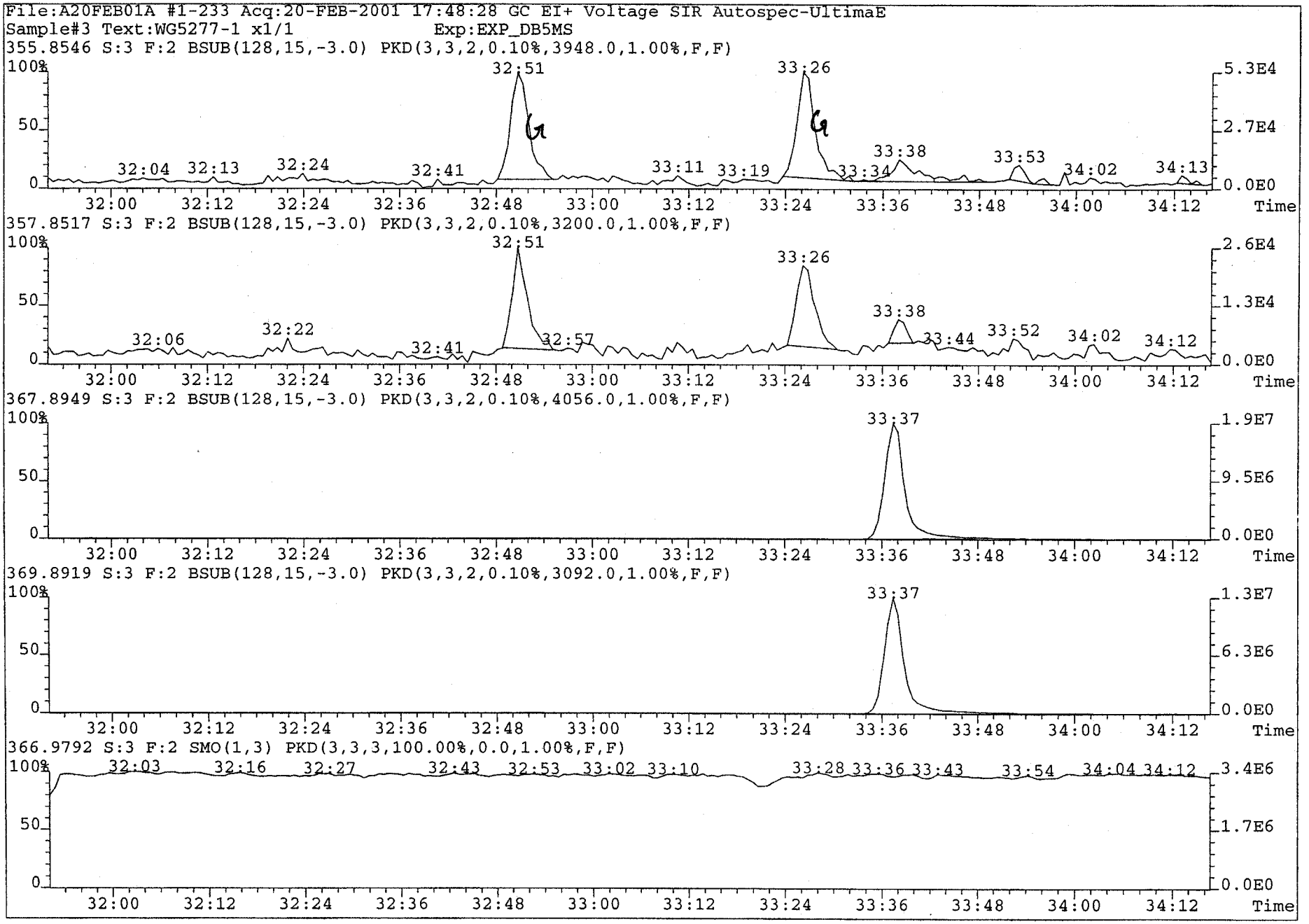
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.4605
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.0814
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	37:55:00
Results Table:	m1613-022001a	End Window:	40:04:00

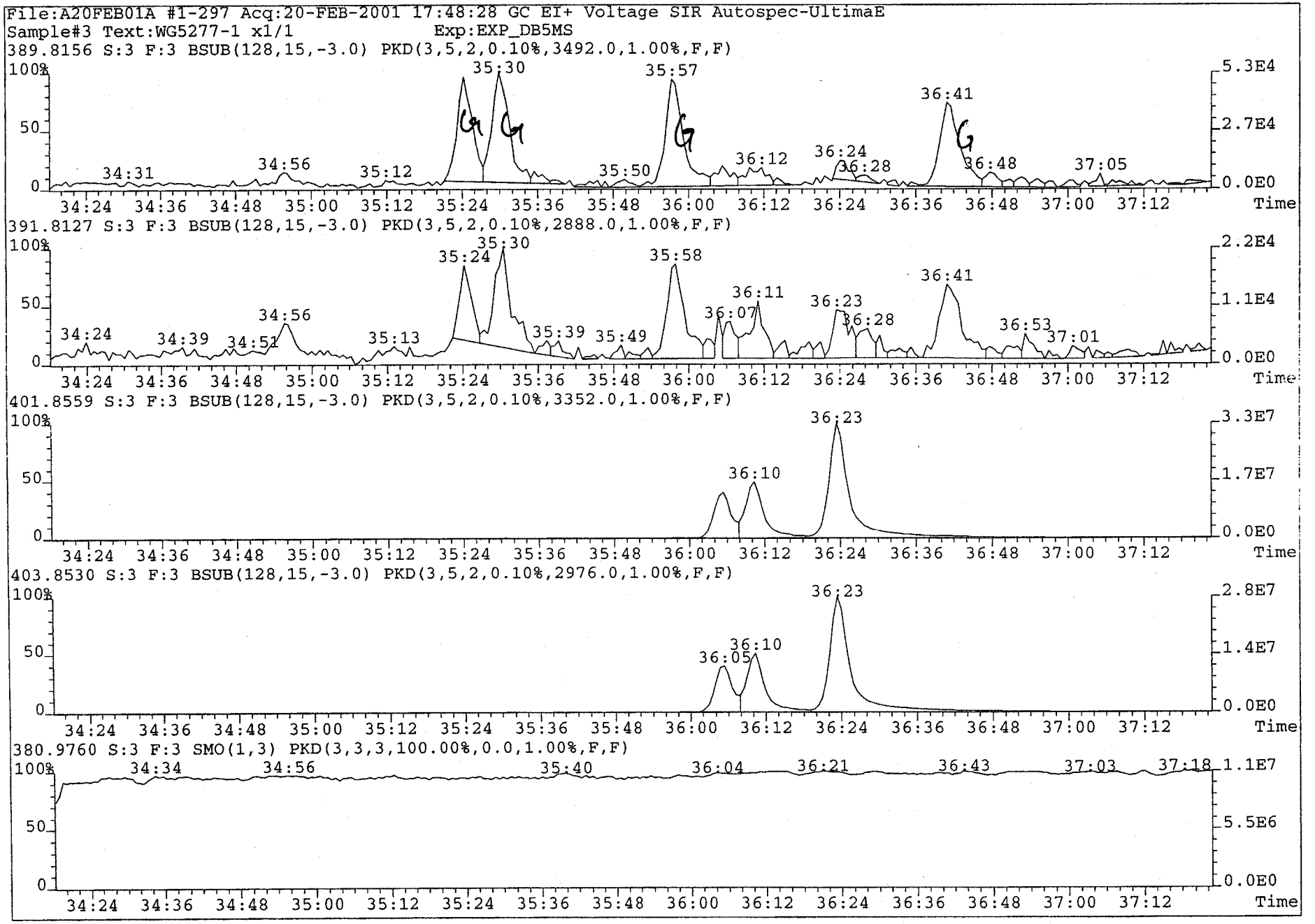
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
1,2,3,4,6,7,8-HpCDI	1	3.77E+04	22000	15700	1.4	n	38:05	0.026	S2N	1.9	n	2.3	n	n
	2	1.11E+04	7660	3480	2.2	n	38:20	0.008	S2N	0.7	n	0.5	n	n
	3	5.84E+04	52900	5420	9.78	n	38:39	0.043	S2N	6	y	0.7	n	n
	4	4.03E+04	34800	5420	6.43	n	38:41	0.029	S2N	5.6	y	0.7	n	n
	5	6.45E+03	3780	2670	1.42	n	38:53	0.005	S2N	0.4	n	0.5	n	n
	6	1.40E+04	4820	9210	0.52	n	38:55	0.01	S2N	0.6	n	0.9	n	n
	7	8.05E+03	4390	3660	1.2	n	38:57	0.006	S2N	0.7	n	0.9	n	n
	8	1.50E+04	9840	5110	1.93	n	38:59	0.011	S2N	1.3	n	0.8	n	n
	9	1.38E+04	6720	7060	0.95	y	39:03	0.01	S2N	0.7	n	1	n	n
	10	2.21E+04	9990	12200	0.82	n	39:11	0.016	S2N	0.9	n	1.2	n	n
	11	5.87E+04	31900	26800	1.19	y	39:16	0.043	S2N	2.6	n	1.8	n	n
	12	2.33E+04	15000	8320	1.8	n	39:22	0.017	S2N	1.4	n	1.1	n	n
	13	1.07E+04	5030	5640	0.89	y	39:29	0.008	S2N	0.8	n	0.7	n	n
	14	1.22E+04	4900	7300	0.67	n	39:32	0.009	S2N	0.7	n	0.8	n	n
	15	3.21E+04	22100	10100	2.19	n	39:36	0.023	S2N	1.3	n	1.1	n	n
	16	8.60E+03	5150	3450	1.49	n	39:42	0.006	S2N	0.7	n	0.5	n	n
1,2,3,4,7,8,9-HpCDI	17	4.42E+04	29600	14600	2.02	n	39:53	0.035	S2N	2.4	n	1.8	n	n
	18	1.01E+04	6330	3770	1.68	n	39:59	0.007	S2N	0.8	n	0.6	n	n
	19	1.07E+04	7610	3050	2.5	n	40:02	0.008	S2N	0.6	n	0.5	n	n
	20	1.12E+04	2950	8260	0.36	n	40:05	0.008	RT	0.5	n	0.7	n	n
	21	6.71E+03	3010	3700	0.82	n	40:13	0.005	RT	0.4	n	0.5	n	n

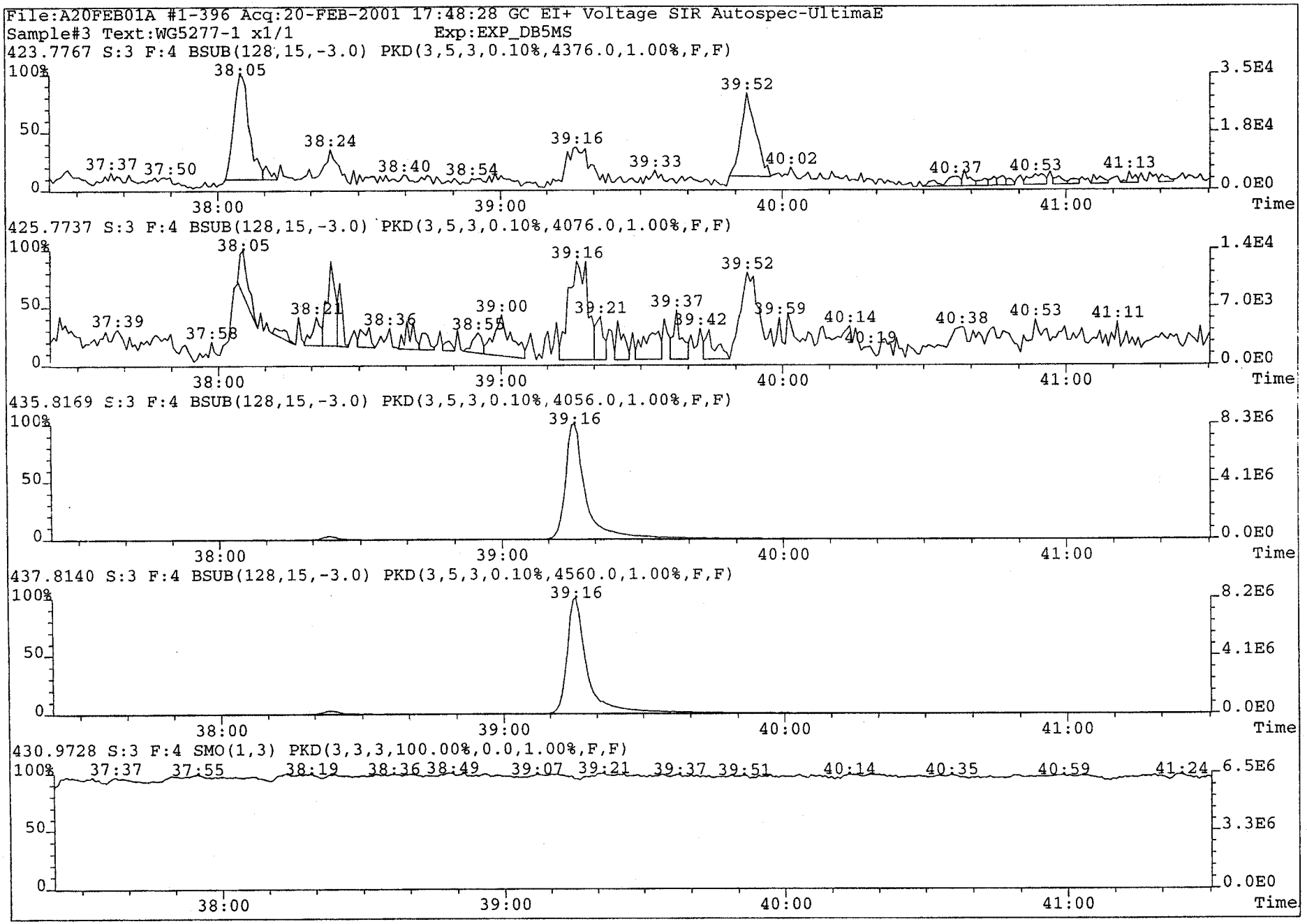
Filename:	a20feb01a	Name of Homolog Group:	Total Hepta-Dioxins
Sample:	3	Number of Peaks Found:	3
Acquired:	20-FEB-01 17:48:28	RRF Used For Totals:	1.0066
Processed:	21-FEB-01 08:20:12	Detection Limit:	0.1528
Sample ID:	WG5277-1 x1/1		
Cal Table:	m1613-052699m	Begin Window:	38:16:00
Results Table:	m1613-022001a	End Window:	38:36:00

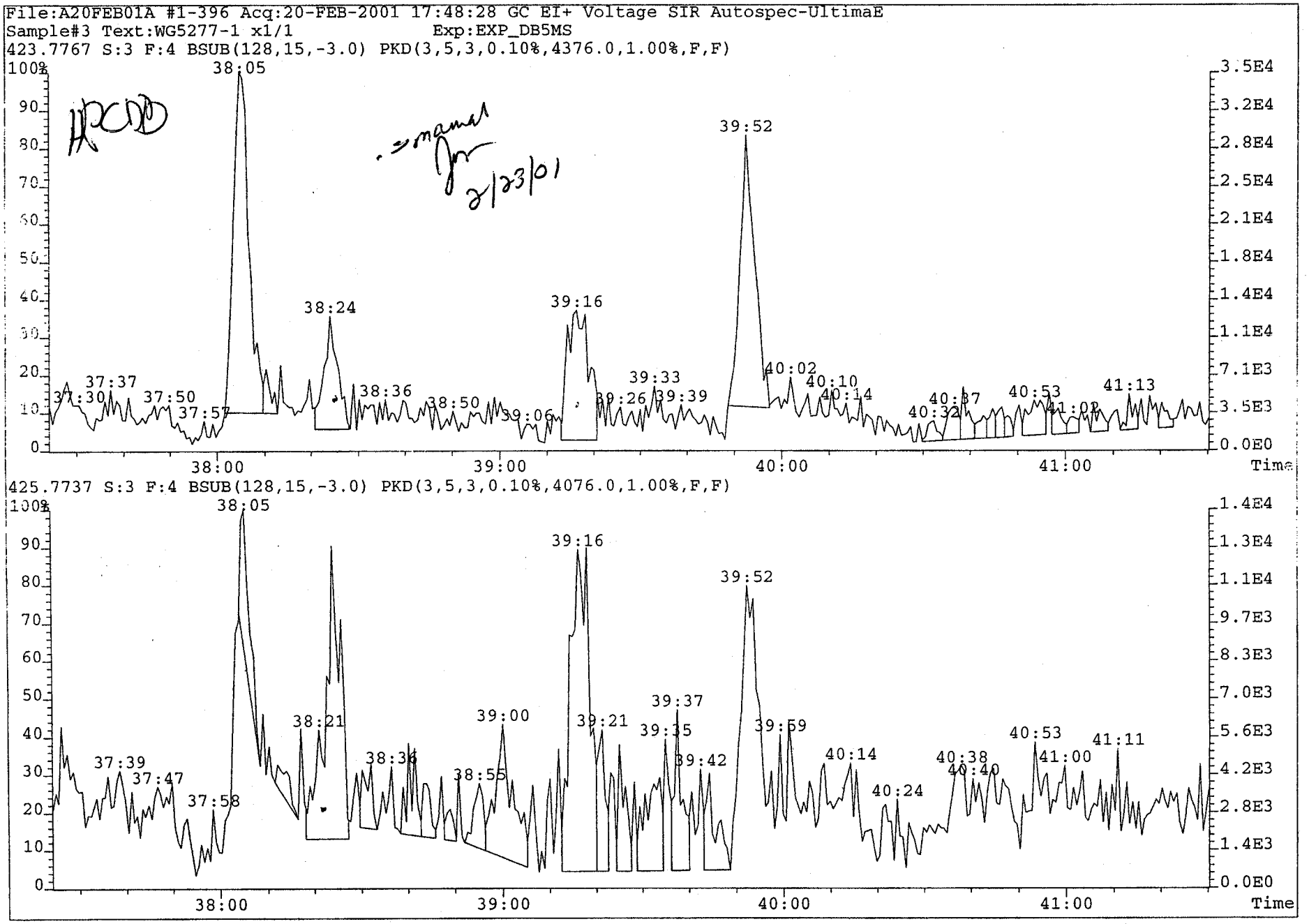
Name	#	Response	Ion 1	Ion 2	RA	?	RT	Conc	Status	S/N1	?	S/N2	?	Mod?
	1	1.30E+05	119000	10900	10.95	n	38:05	0.163	RT	7.3	y	1.3	n	n
	2	7.49E+04	34900	40000	0.87	n	38:24	0.094	S2N	2.4	n	2.6	n	y
1,2,3,4,6,7,8-HpCDI	3	1.19E+05	64000	54600	1.17	y	39:16	0.149	RT	2.8	n	2.9	n	y

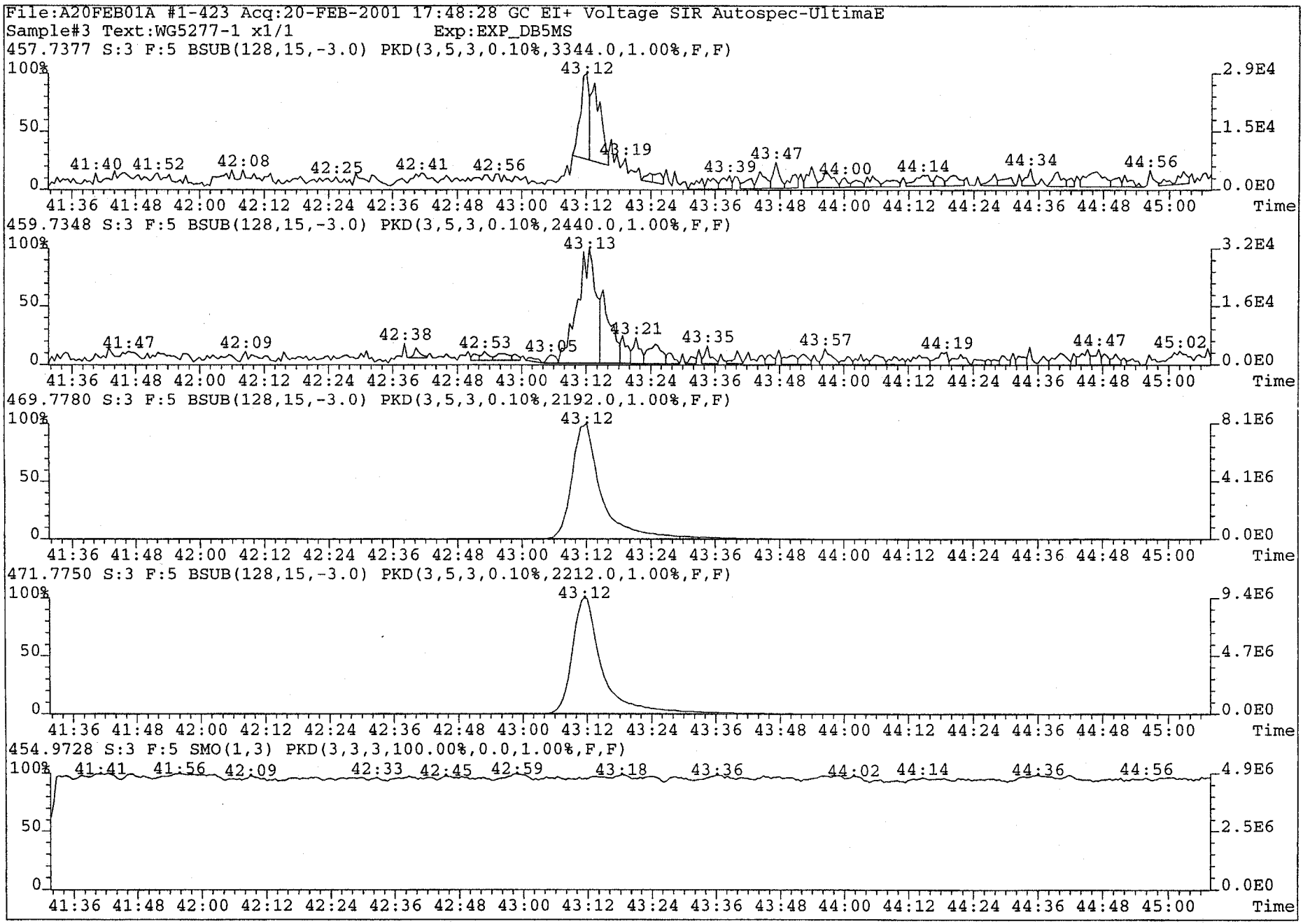

File:A20FEB01A #1-532 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
319.8965 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3576.0,1.00%,F,F)
29:32
25:15 25:44 26:17 26:46 27:17 27:50 28:19 28:48 29:47 30:09 30:32 31:09 31:36
3.5E4
1.7E4
0.0E0
321.8936 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3072.0,1.00%,F,F)
29:32
30:30
25:29 25:50 26:06 26:43 27:17 27:39 28:18 28:57 29:24 29:43 30:11 30:38 31:05 31:31
1.4E4
6.9E3
0.0E0
331.9368 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4916.0,1.00%,F,F)
29:46
30:28
2.4E7
1.2E7
0.0E0
333.9339 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4184.0,1.00%,F,F)
29:45
30:28
3.0E7
1.5E7
0.0E0
327.8847 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4232.0,1.00%,F,F)
30:30
8.9E6
4.5E6
0.0E0
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:17 25:56 26:21 26:53 27:26 27:53 28:22 29:05 29:36 29:58 30:28 30:54 31:39
3.9E6
2.0E6
0.0E0
100%
50
0
25:00 26:00 27:00 28:00 29:00 30:00 31:00
Time


File:A20FEB01A #1-233 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
355.8546 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3948.0,1.00%,F,F)
32:51
33:26
32:04
32:13
32:24
32:41
33:11
33:19
33:34
33:38
33:53
34:02
34:13
5.3E4
2.7E4
0.0E0
357.8517 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3200.0,1.00%,F,F)
32:51
33:26
32:06
32:22
32:41
32:57
33:38
33:44
33:52
34:02
34:12
2.6E4
1.3E4
0.0E0
367.8949 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4056.0,1.00%,F,F)
33:37
1.9E7
9.5E6
0.0E0
369.8919 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3092.0,1.00%,F,F)
33:37
1.3E7
6.3E6
0.0E0
366.9792 S:3 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:03
32:16
32:27
32:43
32:53
33:02
33:10
33:28
33:36
33:43
33:54
34:04
34:12
3.4E6
1.7E6
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

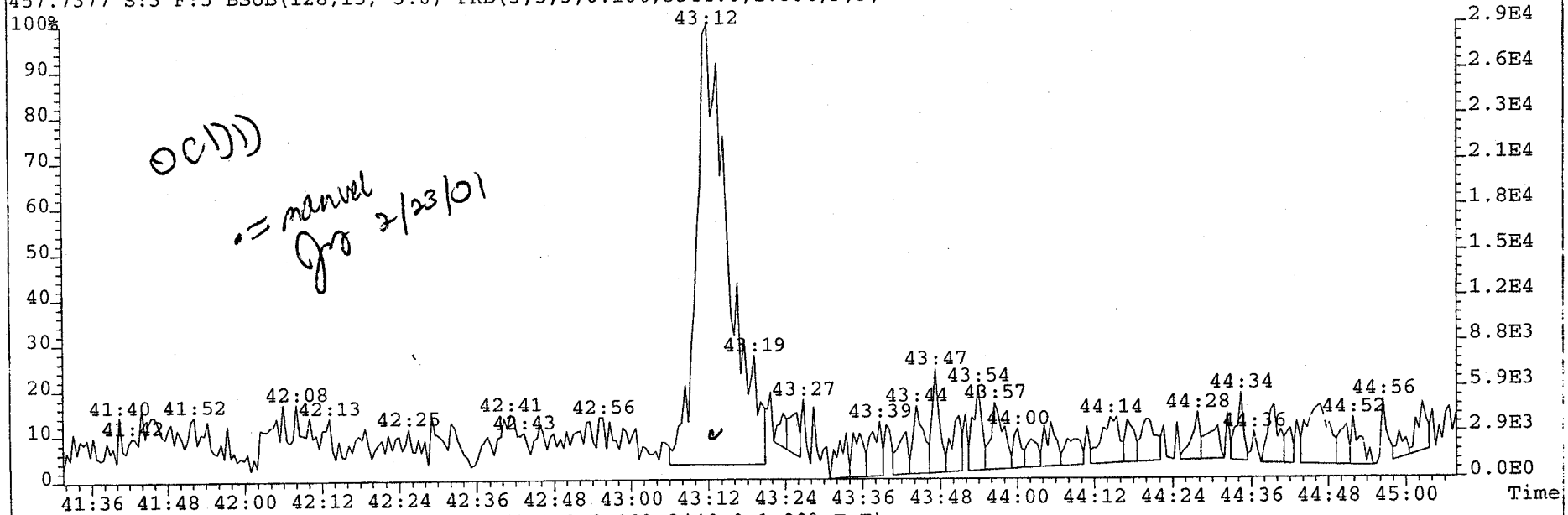

File:A20FEB01A #1-297 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
389.8156 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3492.0,1.00%,F,F)
391.8127 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2888.0,1.00%,F,F)
401.8559 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3352.0,1.00%,F,F)
403.8530 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2976.0,1.00%,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:A20FEB01A #1-396 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
423.7767 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4376.0,1.00%,F,F)
425.7737 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4076.0,1.00%,F,F)
435.8169 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4056.0,1.00%,F,F)
437.8140 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4560.0,1.00%,F,F)
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

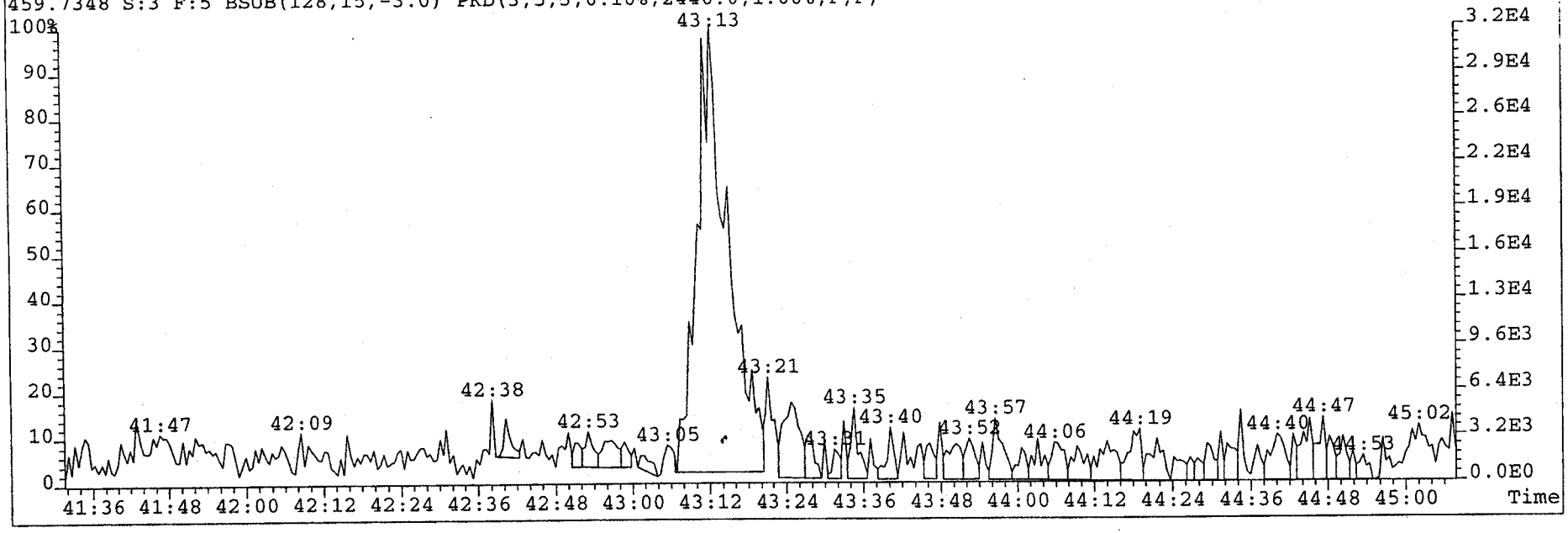

File:A20FEB01A #1-396 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
423.7767 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4376.0,1.00%,F,F)
HPCDD
manual
2/23/01
425.7737 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4076.0,1.00%,F,F)
Time
Time


File:A20FEB01A #1-423 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
457.7377 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3344.0,1.00%,F,F)
100%
50
0
43:12
43:19
41:40 41:52 42:08 42:25 42:41 42:56 43:39 43:47 44:00 44:14 44:34 44:56
2.9E4
1.5E4
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%,2440.0,1.00%,F,F)
100%
50
0
43:13
43:21
41:47 42:09 42:38 42:53 43:05 43:35 43:57 44:19 44:47 45:02
3.2E4
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
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2192.0,1.00%,F,F)
100%
50
0
43:12
8.1E6
4.1E6
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%,2212.0,1.00%,F,F)
100%
50
0
43:12
9.4E6
4.7E6
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
41:41 41:56 42:09 42:33 42:45 42:59 43:18 43:36 44:02 44:14 44:36 44:56
4.9E6
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

File:A20FEB01A #1-423 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
457.7377 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3344.0,1.00%,F,F)

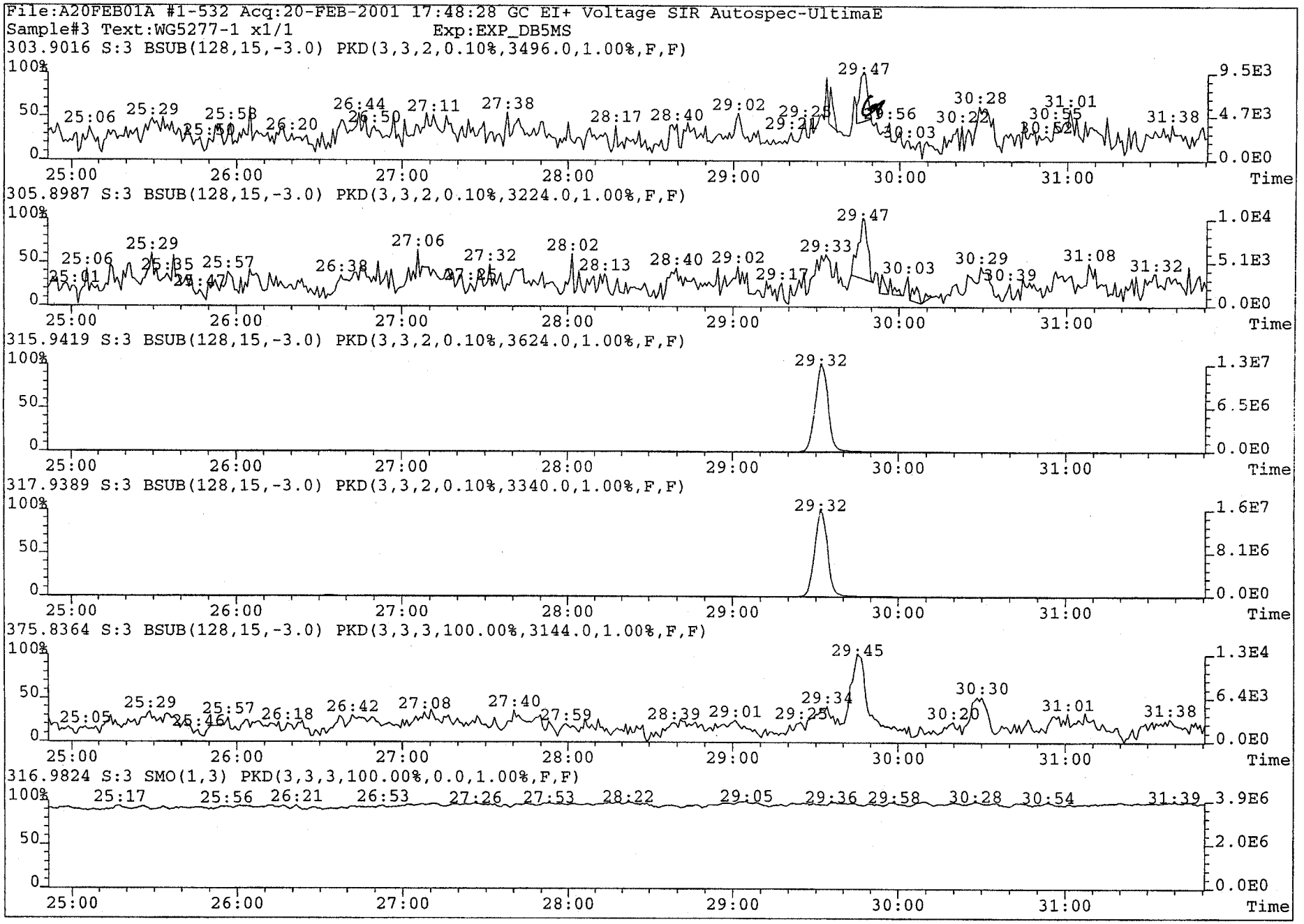


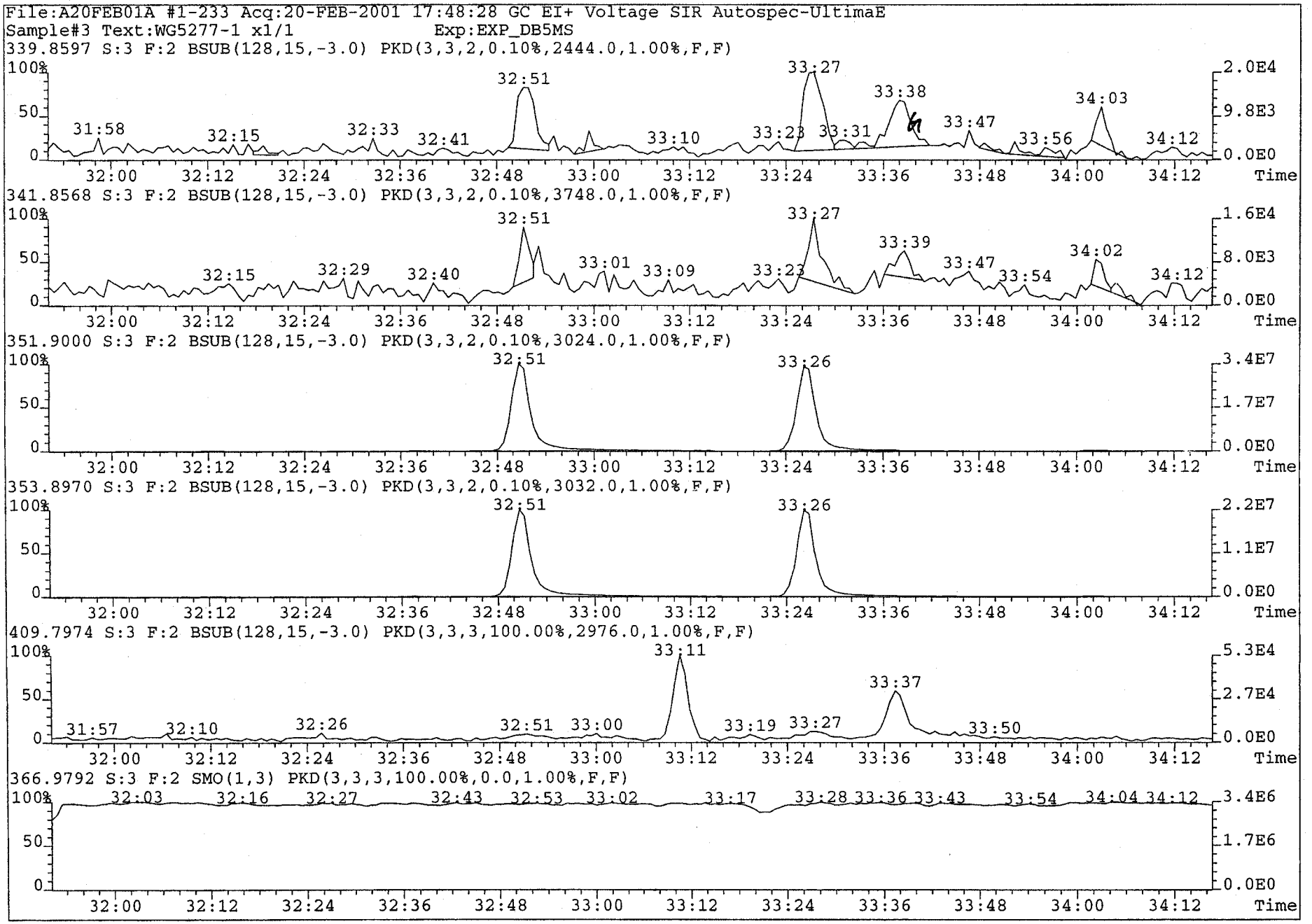
459.7348 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2440.0,1.00%,F,F)

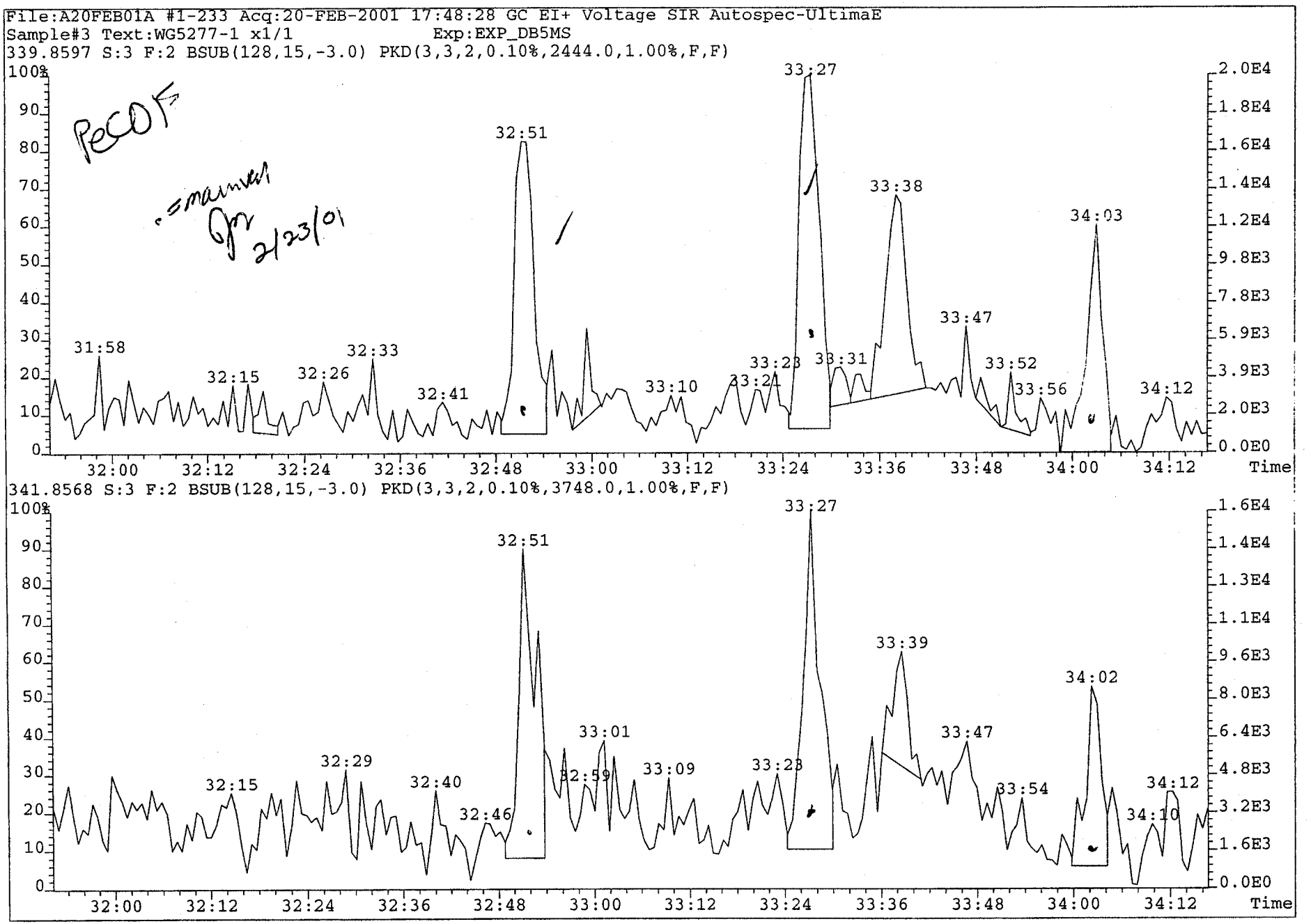


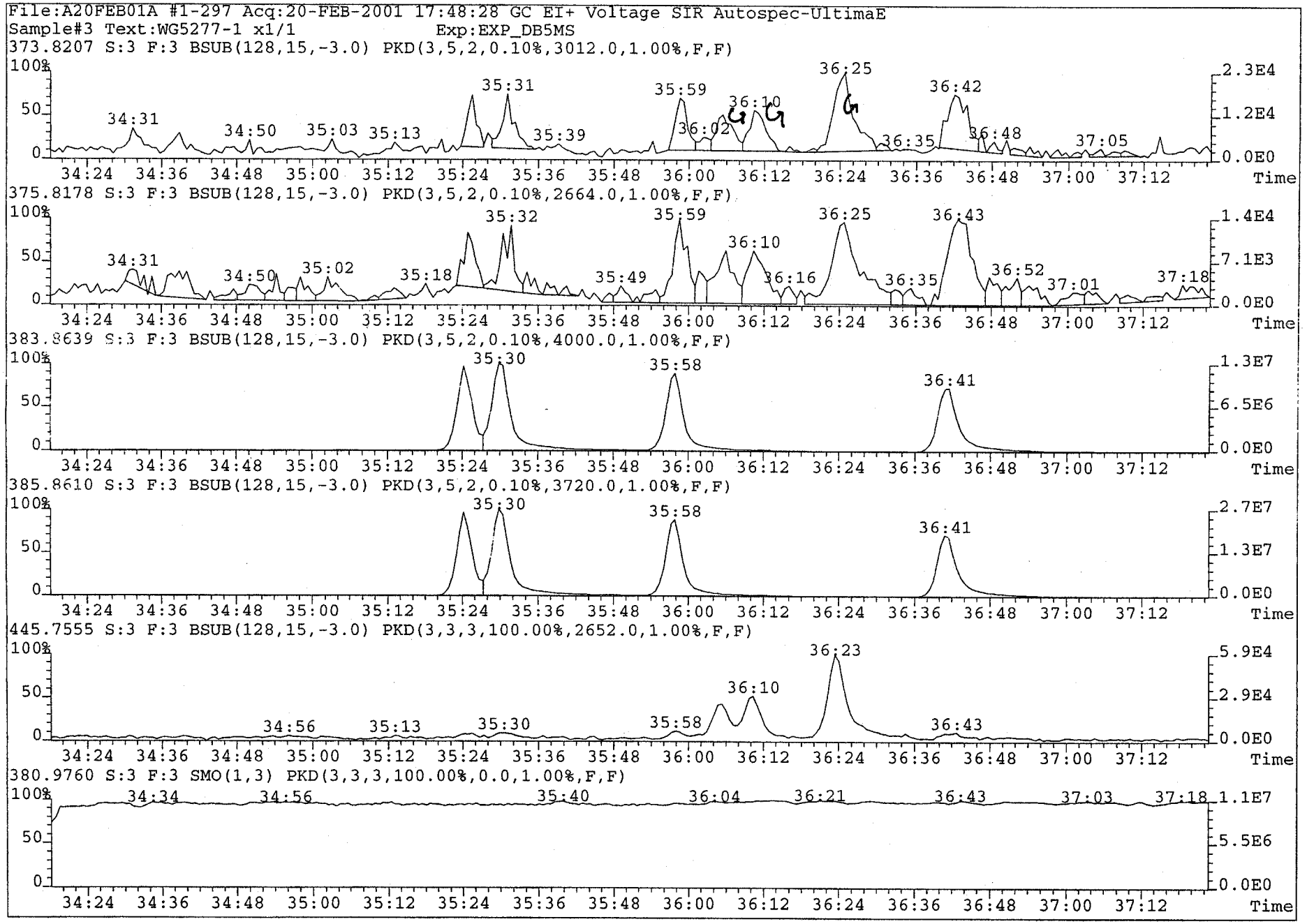
OCDD

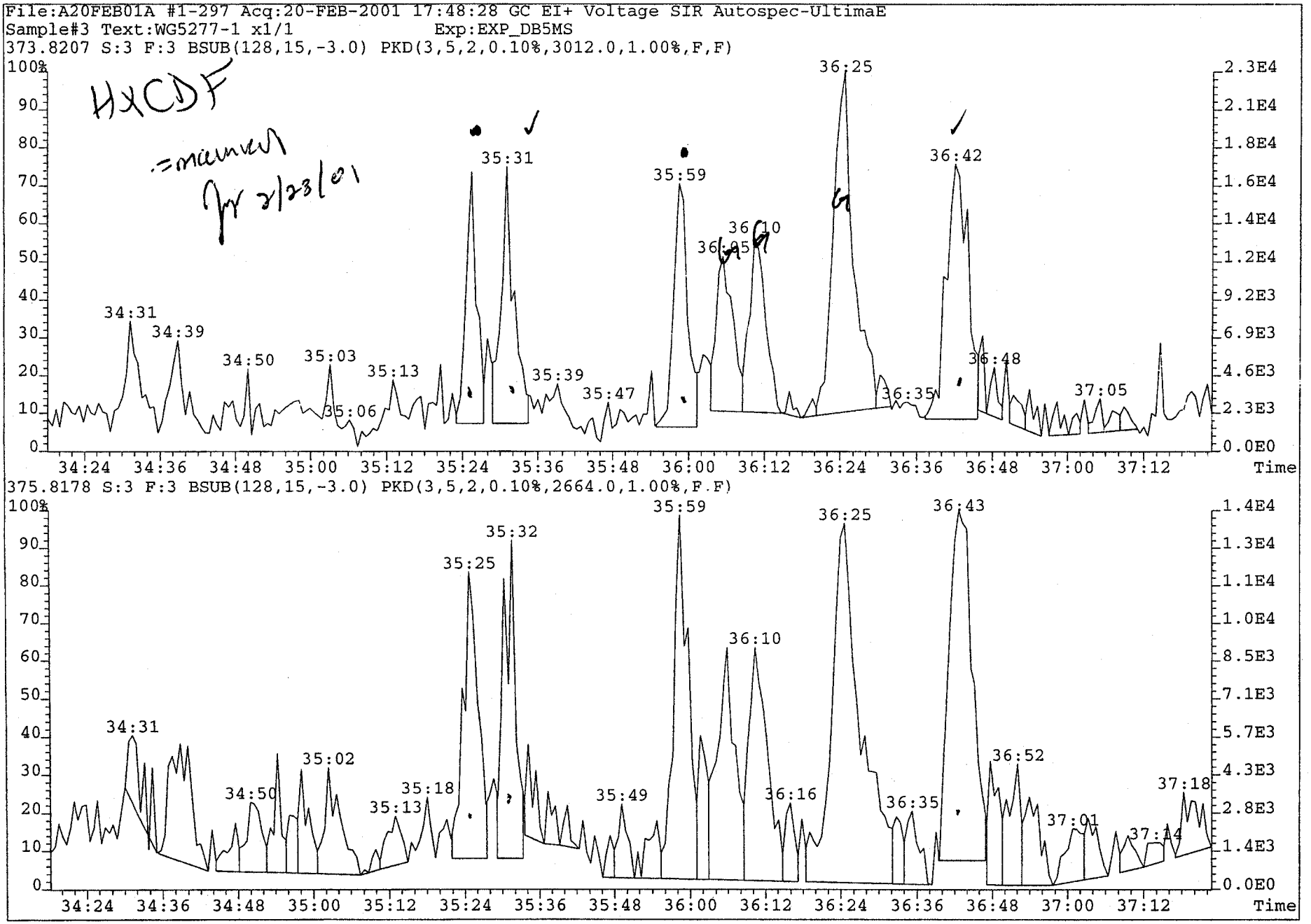
• = manual
JG 2/23/01

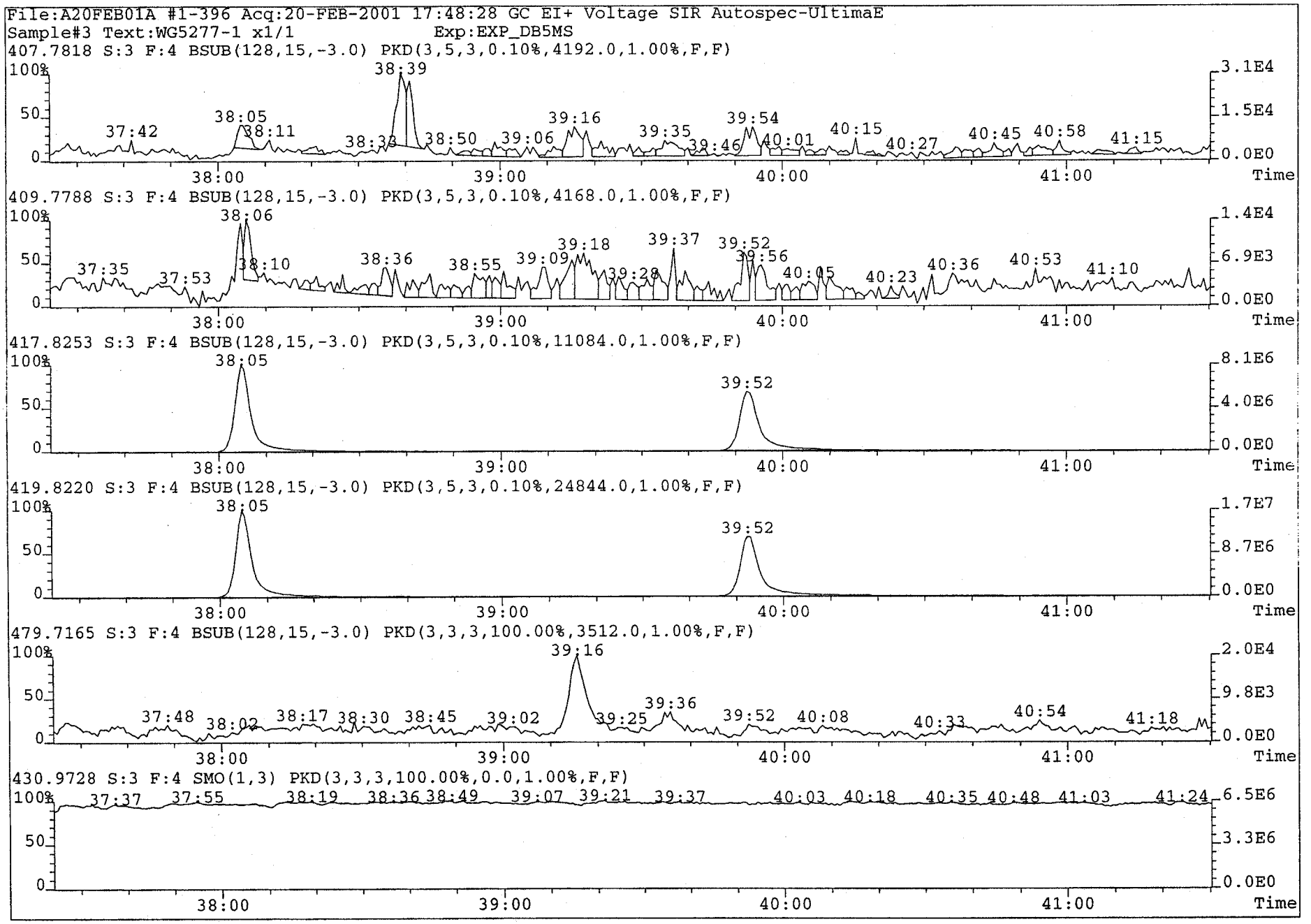

File:A20FEB01A #1-532 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
303.9016 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3496.0,1.00%,F,F)
305.8987 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3224.0,1.00%,F,F)
315.9419 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3624.0,1.00%,F,F)
317.9389 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3340.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3144.0,1.00%,F,F)
316.9824 S:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

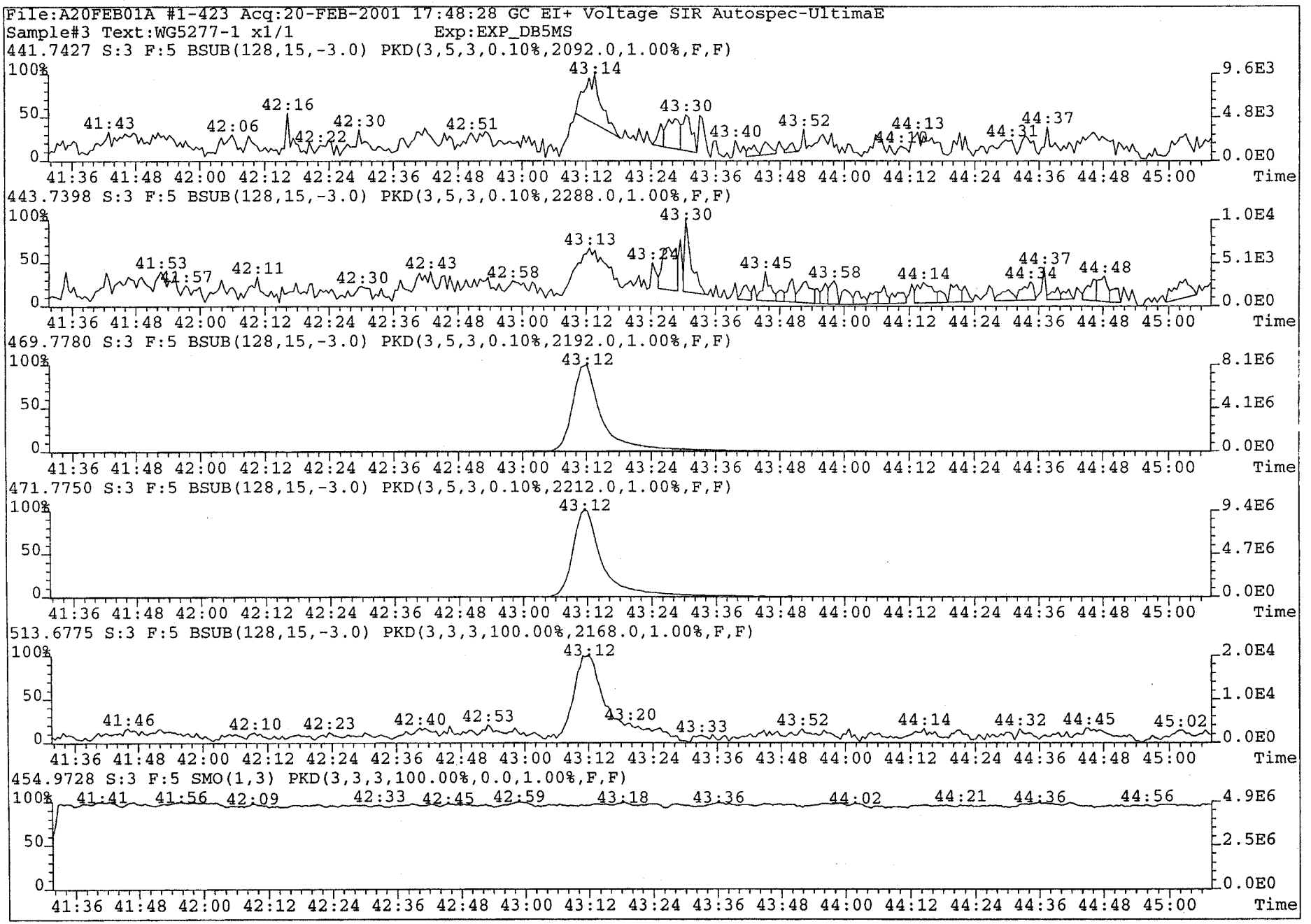

File:A20FEB01A #1-233 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
339.8597 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2444.0,1.00%,F,F)
341.8568 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3748.0,1.00%,F,F)
351.9000 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3024.0,1.00%,F,F)
353.8970 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3032.0,1.00%,F,F)
409.7974 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2976.0,1.00%,F,F)
366.9792 S:3 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time

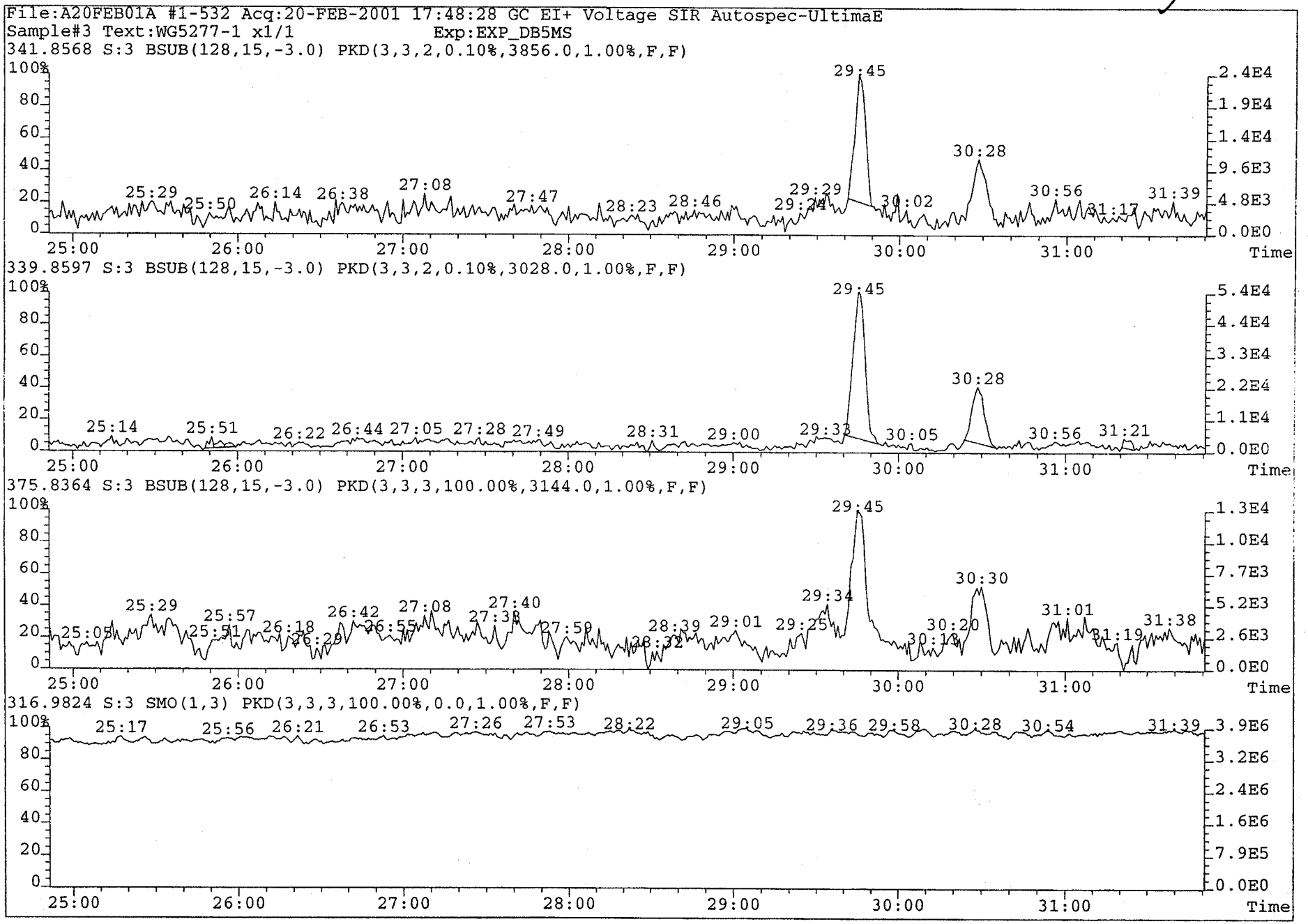

File:A20FEB01A #1-233 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
339.8597 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2444.0,1.00%,F,F)
PeCDF
= maintained
2/23/01
31:58
32:15
32:26
32:33
32:41
32:51
33:10
33:21
33:23
33:27
33:31
33:38
33:47
33:52
33:56
34:03
34:12
Time
341.8568 S:3 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3748.0,1.00%,F,F)
32:15
32:29
32:40
32:46
32:51
32:59
33:01
33:09
33:23
33:27
33:39
33:47
33:54
34:02
34:10
34:12
Time


File:A20FEB01A #1-297 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
373.8207 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3012.0,1.00%,F,F)
375.8178 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2664.0,1.00%,F,F)
383.8639 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4000.0,1.00%,F,F)
385.8610 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3720.0,1.00%,F,F)
445.7555 S:3 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2652.0,1.00%,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:A20FEB01A #1-297 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
373.8207 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3012.0,1.00%,F,F)
HxCDF
=manual
for 2/23/01
34:31
34:39
34:50
35:03
35:06
35:13
35:31
35:39
35:47
35:59
36:05
36:10
36:25
36:35
36:42
36:48
37:05
375.8178 S:3 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2664.0,1.00%,F,F)
34:31
34:50
35:02
35:13
35:18
35:25
35:32
35:49
35:59
36:10
36:16
36:25
36:35
36:43
36:52
37:01
37:14
37:18
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:A20FEB01A #1-396 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
407.7818 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4192.0,1.00%,F,F)
409.7788 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4168.0,1.00%,F,F)
417.8253 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,11084.0,1.00%,F,F)
419.8220 S:3 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,24844.0,1.00%,F,F)
479.7165 S:3 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3512.0,1.00%,F,F)
430.9728 S:3 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
Time


File:A20FEB01A #1-423 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
441.7427 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2092.0,1.00%,F,F)
443.7398 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2288.0,1.00%,F,F)
469.7780 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2192.0,1.00%,F,F)
471.7750 S:3 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2212.0,1.00%,F,F)
513.6775 S:3 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2168.0,1.00%,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
9.6E3
4.8E3
0.0E0
1.0E4
5.1E3
8.1E6
4.1E6
9.4E6
4.7E6
2.0E4
1.0E4
4.9E6
2.5E6


File:A20FEB01A #1-532 Acq:20-FEB-2001 17:48:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:WG5277-1 x1/1 Exp:EXP_DB5MS
341.8568 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3856.0,1.00%,F,F)
339.8597 S:3 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3028.0,1.00%,F,F)
375.8364 S:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3144.0,1.00%,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	94.6	3.4	7.9	
1,2,3,7,8-PeCDD	12.5	12.2	97.2	8.8	17.8	
1,2,3,4,7,8-HxCDD	12.5	12.2	97.3	8.8	20.5	
1,2,3,6,7,8-HxCDD	12.5	11.7	93.4	9.5	16.7	
1,2,3,7,8,9-HxCDD	12.5	11.8	94.5	8.0	20.3	
1,2,3,4,6,7,8-HpCDD	12.5	13.7	110	8.8	17.5	
OCDD	25.0	25.7	103	19.5	36.0	
2,3,7,8-TCDF	5.00	4.84	96.8	3.8	7.9	
1,2,3,7,8-PeCDF	12.5	13.2	106	10.0	16.8	
2,3,4,7,8-PeCDF	12.5	12.4	98.8	8.5	20.0	
1,2,3,4,7,8-HxCDF	12.5	12.7	102	9.0	16.8	
1,2,3,6,7,8-HxCDF	12.5	13.2	106	10.5	16.3	
2,3,4,6,7,8-HxCDF	12.5	13.6	109	8.8	19.5	
1,2,3,7,8,9-HxCDF	12.5	11.6	92.9	9.8	16.3	
1,2,3,4,6,7,8-HpCDF	12.5	11.5	92.3	10.3	15.3	
1,2,3,4,7,8,9-HpCDF	12.5	10.9	87.0	9.8	17.3	
OCDF	25.0	25.1	100	18.5	36.5	

= Outside range limits
* = Ion Ratio Out

QC Information

OPR Project No:	WG5277
Extraction Date:	16-Feb-01
Analysis Date:	20-FEB-01
Method:	1613

Sample Information

Matrix:	Aqueous

File Information

OPR Filename :	a20feb01a-2
Retchk:	a20feb01a-1
Begin ConCal:	a20feb01a-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	33.0	66.0	10	87.5	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	50.0	38.5	77.0	10.5	113.5	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	50.0	36.5	73.0	10.5	96.5	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	50.0	50.9	102	12.5	81.5	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	50.0	35.6	71.2	13	83	
$^{13}C_{12}$-OCDD	100	60.8	60.8	13	198.5	
$^{13}C_{12}$-2,3,7,8-TCDF	50.0	36.5	72.9	11	76	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	50.0	39.2	78.3	10.5	96	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	50.0	42.5	85.0	6.5	164	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	50.0	36.9	73.8	9.5	101	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	50.0	45.7	91.5	10.5	79.5	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	50.0	43.4	86.9	22	88	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	50.0	47.3	94.6	8.5	102.5	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	50.0	42.0	84.0	10.5	79	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	50.0	42.4	84.9	10	93	
Cleanup Standards						
$^{37}C_{14}$-2,3,7,8-TCDD	20.0	15.1	75.5	6.2	38.2	

QC Information

OPR Project No:	WG5277
Extraction Date:	16-Feb-01
Analysis Date:	20-FEB-01
Method:	1613

Sample Information

Matrix:	Aqueous

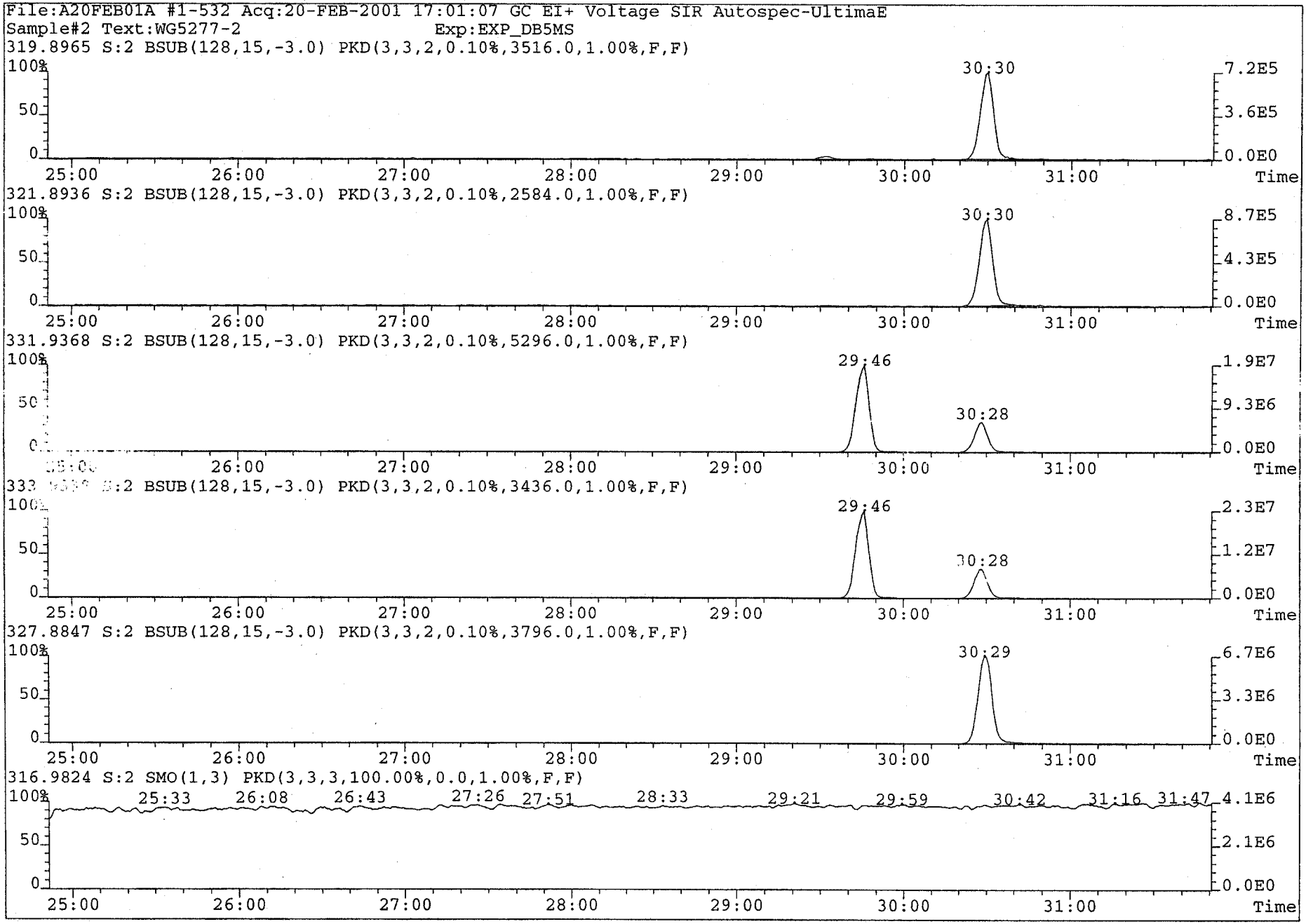
File Information

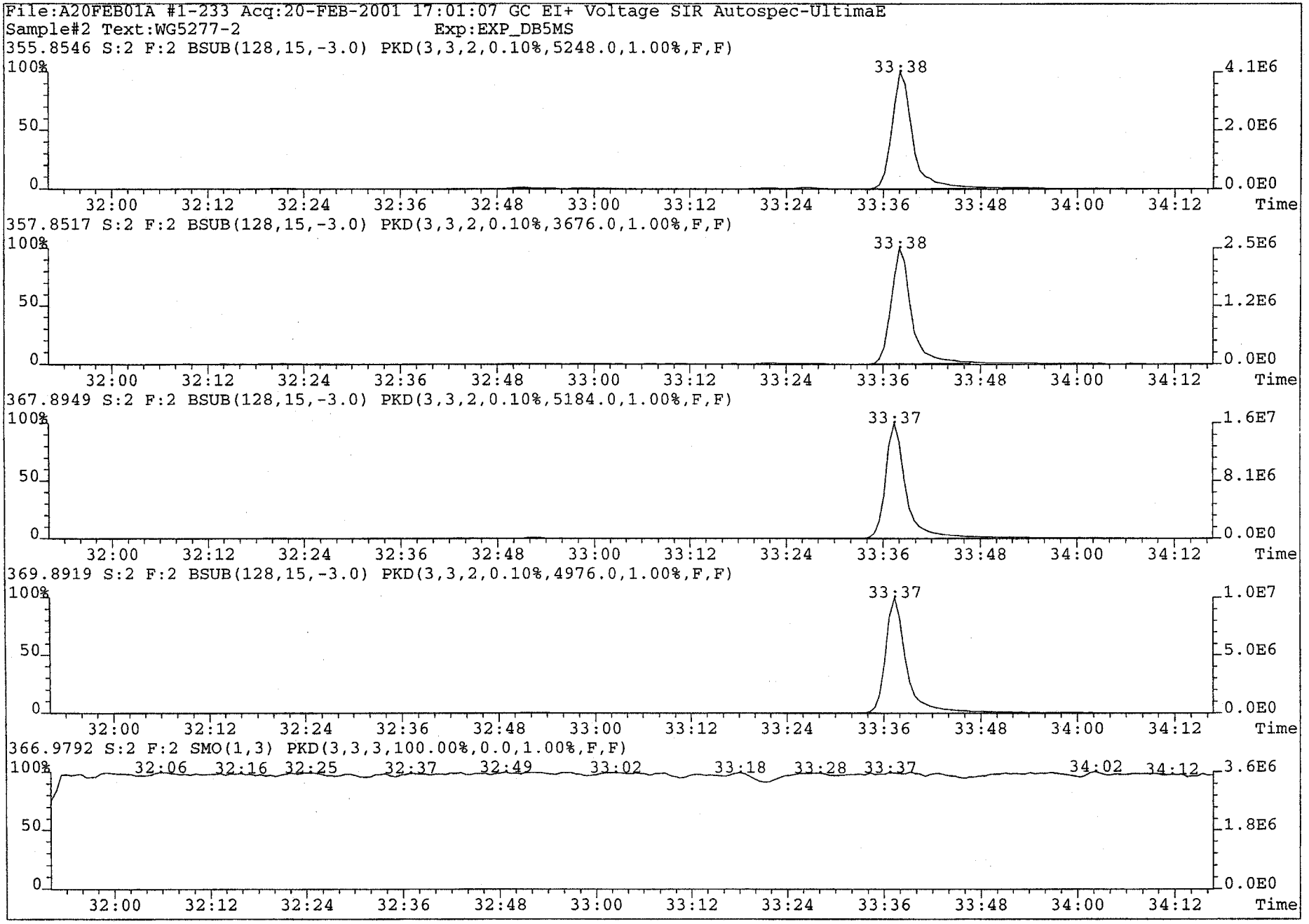
OPR Filename :	a20feb01a-2
Retchk:	a20feb01a-1
Begin ConCal:	a20feb01a-1
Initial Cal:	m1613-052699m

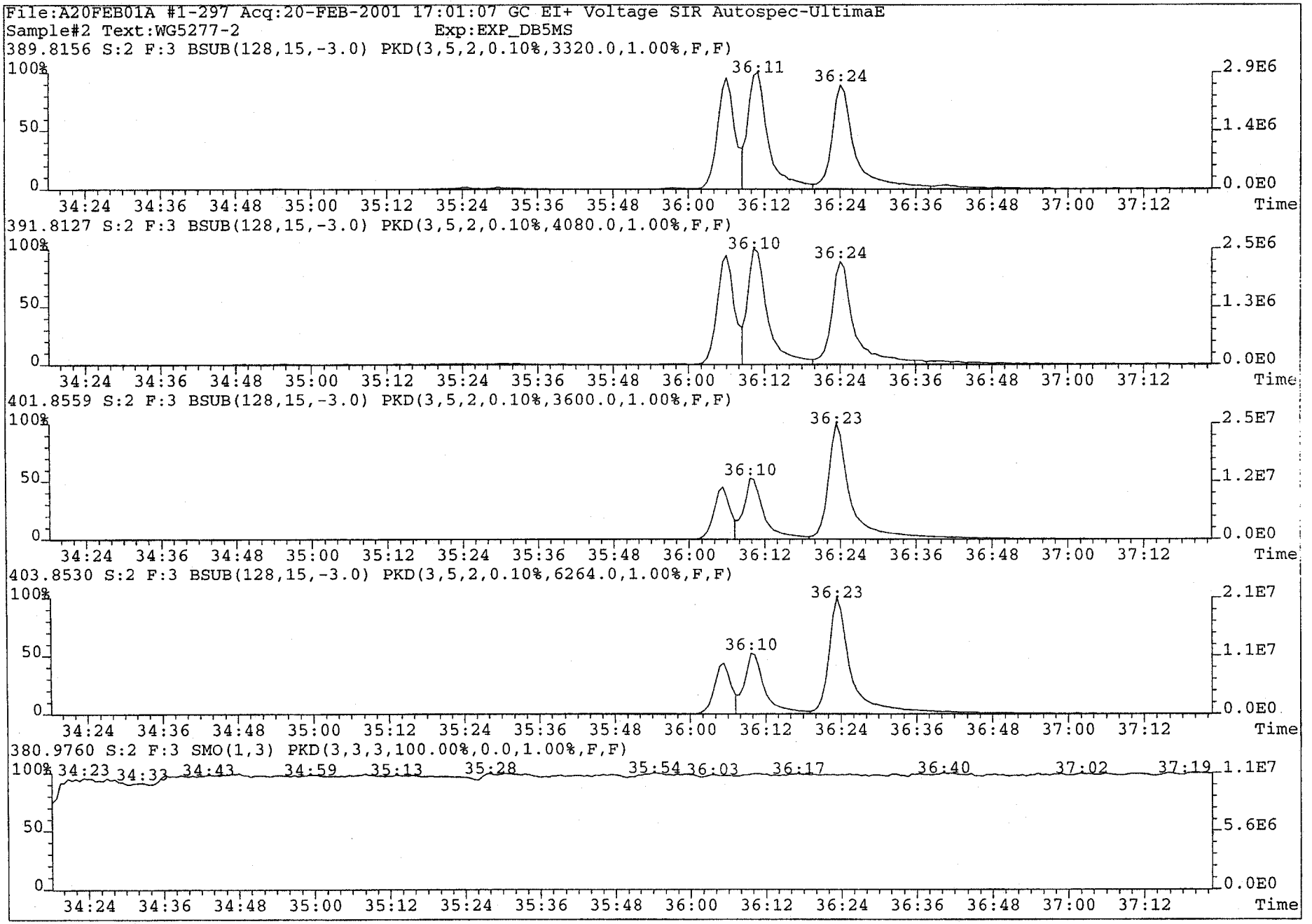
Reviewed by: _____ Date Reviewed: 2/23/01

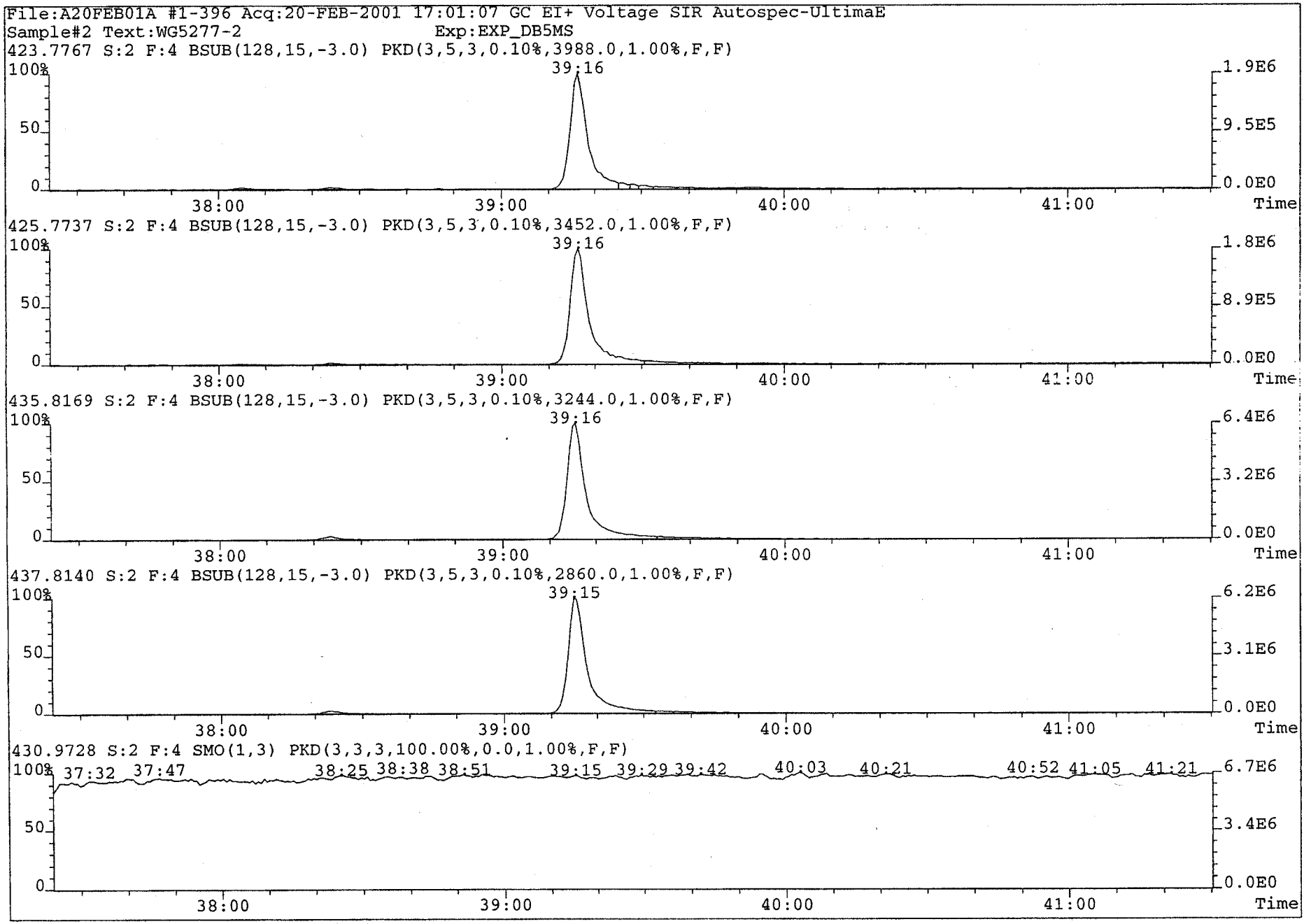
Filename ; a20feb01a
Sample ; 2
Acquired ; 20-FEB-01 17:01:07
Processed ; 21-FEB-01 08:20:11
Sample ID ; WG5277-2
Cal Table ; m1613-052699m
Results Table ; M1613-022001A
Comments ;

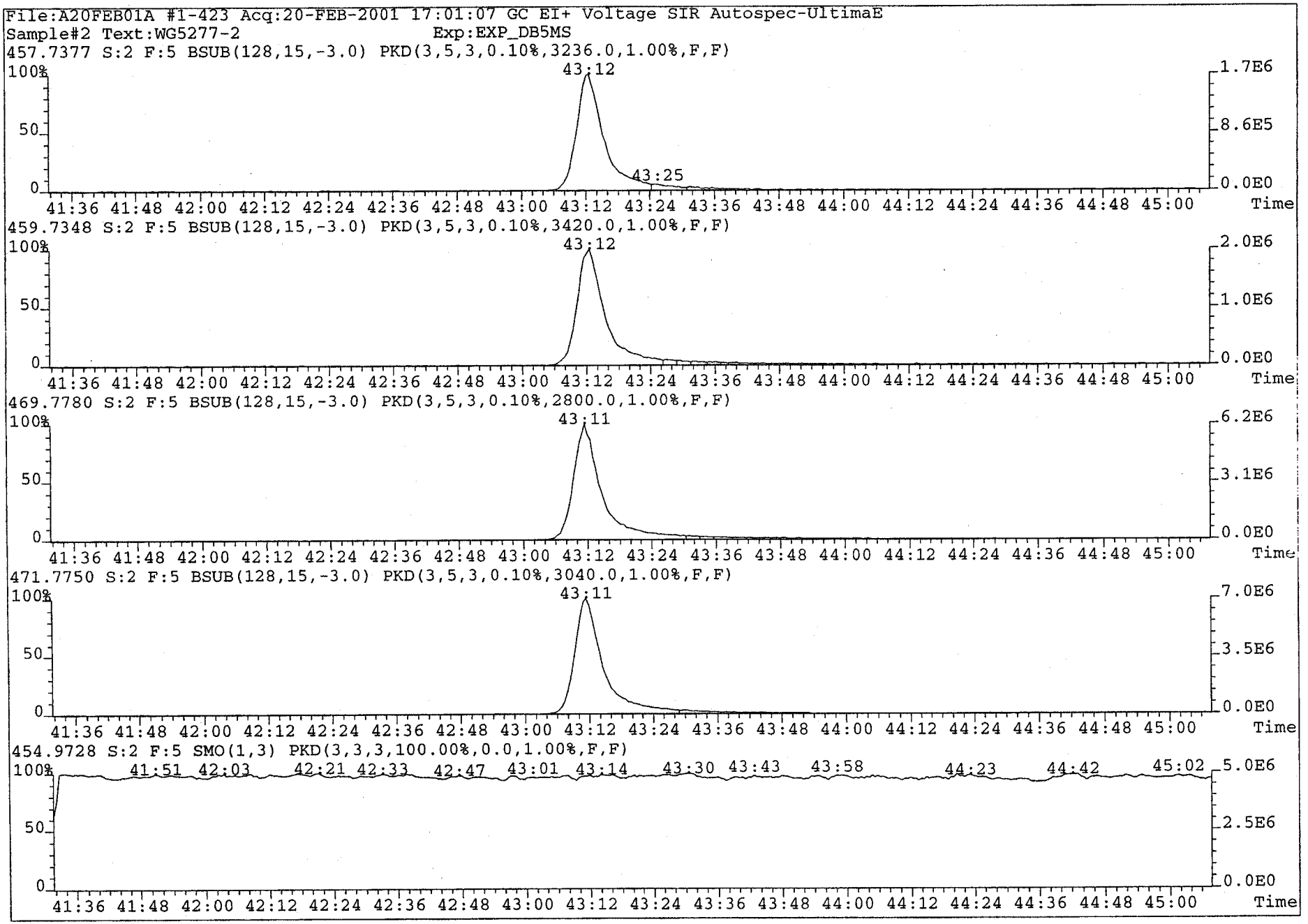
Typ	Name	Resp	Ion 1	Ion 2	RA;?	RT	Conc	DL	S/N1;?	S/N2;?	mod?
Unk	2,3,7,8-TCDD	8.47e+06	3.81e+06	4.66e+06	0.82;y	30:30	9.462	0.1108	202;y	333;y	no
Unk	1,2,3,7,8-PeCDD	1.87e+07	1.17e+07	6.95e+06	1.68;y	33:39	24.309	0.0994	777;y	677;y	no
Unk	1,2,3,4,7,8-HxCDD	1.58e+07	8.44e+06	7.36e+06	1.15;y	36:06	24.329	0.0972	832;y	586;y	no
Unk	1,2,3,6,7,8-HxCDD	2.01e+07	1.08e+07	9.29e+06	1.16;y	36:12	23.349	0.0960	872;y	622;y	no
Unk	1,2,3,7,8,9-HxCDD	1.95e+07	1.06e+07	8.96e+06	1.18;y	36:25	23.635	0.0880	779;y	552;y	no
Unk	1,2,3,4,6,7,8-HpCDD	1.64e+07	8.15e+06	8.27e+06	0.99;y	39:17	27.448	0.1756	477;y	518;y	no
Unk	OCDD	2.19e+07	9.90e+06	1.19e+07	0.83;y	43:14	51.389	0.2814	530;y	585;y	no
Unk	2,3,7,8-TCDF	1.30e+07	5.54e+06	7.41e+06	0.75;y	29:33	9.624	0.0782	299;y	459;y	no
Unk	1,2,3,7,8-PeCDF	3.25e+07	2.01e+07	1.24e+07	1.61;y	32:52	26.394	0.0895	2121;y	471;y	no
Unk	2,3,4,7,8-PeCDF	3.38e+07	2.08e+07	1.30e+07	1.59;y	33:27	24.701	0.0810	2186;y	494;y	no
Unk	1,2,3,4,7,8-HxCDF	2.64e+07	1.42e+07	1.22e+07	1.17;y	35:25	25.454	0.0517	1739;y	1371;y	no
Unk	1,2,3,6,7,8-HxCDF	3.56e+07	1.96e+07	1.61e+07	1.22;y	35:32	26.407	0.0470	1850;y	1392;y	no
Unk	2,3,4,6,7,8-HxCDF	3.13e+07	1.74e+07	1.39e+07	1.25;y	35:59	27.251	0.0573	1719;y	1237;y	no
Unk	1,2,3,7,8,9-HxCDF	2.65e+07	1.44e+07	1.21e+07	1.19;y	36:43	23.215	0.0653	1239;y	981;y	no
Unk	1,2,3,4,6,7,8-HpCDF	2.57e+07	1.29e+07	1.28e+07	1.00;y	38:07	23.076	0.1204	746;y	508;y	no
Unk	1,2,3,4,7,8,9-HpCDF	2.01e+07	1.04e+07	9.69e+06	1.07;y	39:54	21.747	0.1768	493;y	334;y	no
Unk	OCDF	2.61e+07	1.19e+07	1.42e+07	0.84;y	43:30	50.128	0.1566	941;y	970;y	no
ES/RT	13C-2,3,7,8-TCDD	7.58e+07	3.38e+07	4.21e+07	0.80;y	30:28	32.989	0.0594	1181;y	2250;y	no
ES	13C-1,2,3,7,8-PeCDD	7.46e+07	4.56e+07	2.90e+07	1.57;y	33:38	38.497	0.0821	3112;y	2023;y	no
ES	13C-1,2,3,4,7,8-HxCDD	5.71e+07	3.08e+07	2.62e+07	1.17;y	36:05	36.524	0.0759	3059;y	1452;y	no
ES	13C-1,2,3,6,7,8-HxCDD	8.85e+07	4.78e+07	4.07e+07	1.18;y	36:11	50.870	0.0681	3565;y	1752;y	no
ES	13C-1,2,3,4,6,7,8-HpCDD	5.94e+07	3.02e+07	2.92e+07	1.04;y	39:17	35.602	0.0440	1975;y	2175;y	no
ES	13C-OCDD	7.90e+07	3.68e+07	4.22e+07	0.87;y	43:13	60.848	0.0540	2203;y	2309;y	no
ES/RT	13C-2,3,7,8-TCDF	1.19e+08	5.31e+07	6.57e+07	0.81;y	29:32	36.455	0.0324	2899;y	3765;y	no
ES	13C-1,2,3,7,8-PeCDF	1.17e+08	7.31e+07	4.36e+07	1.68;y	32:51	39.160	0.0332	10863;y	4168;y	no
ES	13C-2,3,4,7,8-PeCDF	1.20e+08	7.46e+07	4.55e+07	1.64;y	33:27	42.493	0.0350	10913;y	4366;y	no
ES	13C-1,2,3,4,7,8-HxCDF	8.38e+07	2.73e+07	5.64e+07	0.48;y	35:24	36.887	0.0404	2382;y	5398;y	no
ES	13C-1,2,3,6,7,8-HxCDF	1.12e+08	3.77e+07	7.43e+07	0.51;y	35:31	45.746	0.0375	2840;y	5868;y	no
ES	13C-2,3,4,6,7,8-HxCDF	9.95e+07	3.33e+07	6.62e+07	0.50;y	35:58	43.428	0.0400	2405;y	5072;y	no
ES	13C-1,2,3,7,8,9-HxCDF	8.93e+07	3.00e+07	5.93e+07	0.50;y	36:42	47.275	0.0486	1901;y	4048;y	no
ES	13C-1,2,3,4,6,7,8-HpCDF	7.60e+07	2.35e+07	5.25e+07	0.45;y	38:06	41.986	0.2041	449;y	704;y	no
ES	13C-1,2,3,4,7,8,9-HpCDF	6.33e+07	2.03e+07	4.30e+07	0.47;y	39:54	42.437	0.2476	315;y	479;y	no
JS	13C-1,2,3,4-TCDD	2.17e+08	9.66e+07	1.20e+08	0.81;y	29:45	107.060	-	3495;y	6699;y	no
JS	13C-1,2,3,7,8,9-HxCDD	1.82e+08	9.80e+07	8.43e+07	1.16;y	36:25	110.606	-	6804;y	3354;y	no
CS	37Cl-2,3,7,8-TCDD	3.84e+07	3.84e+07			30:30	15.093	0.0233	1760;y		no

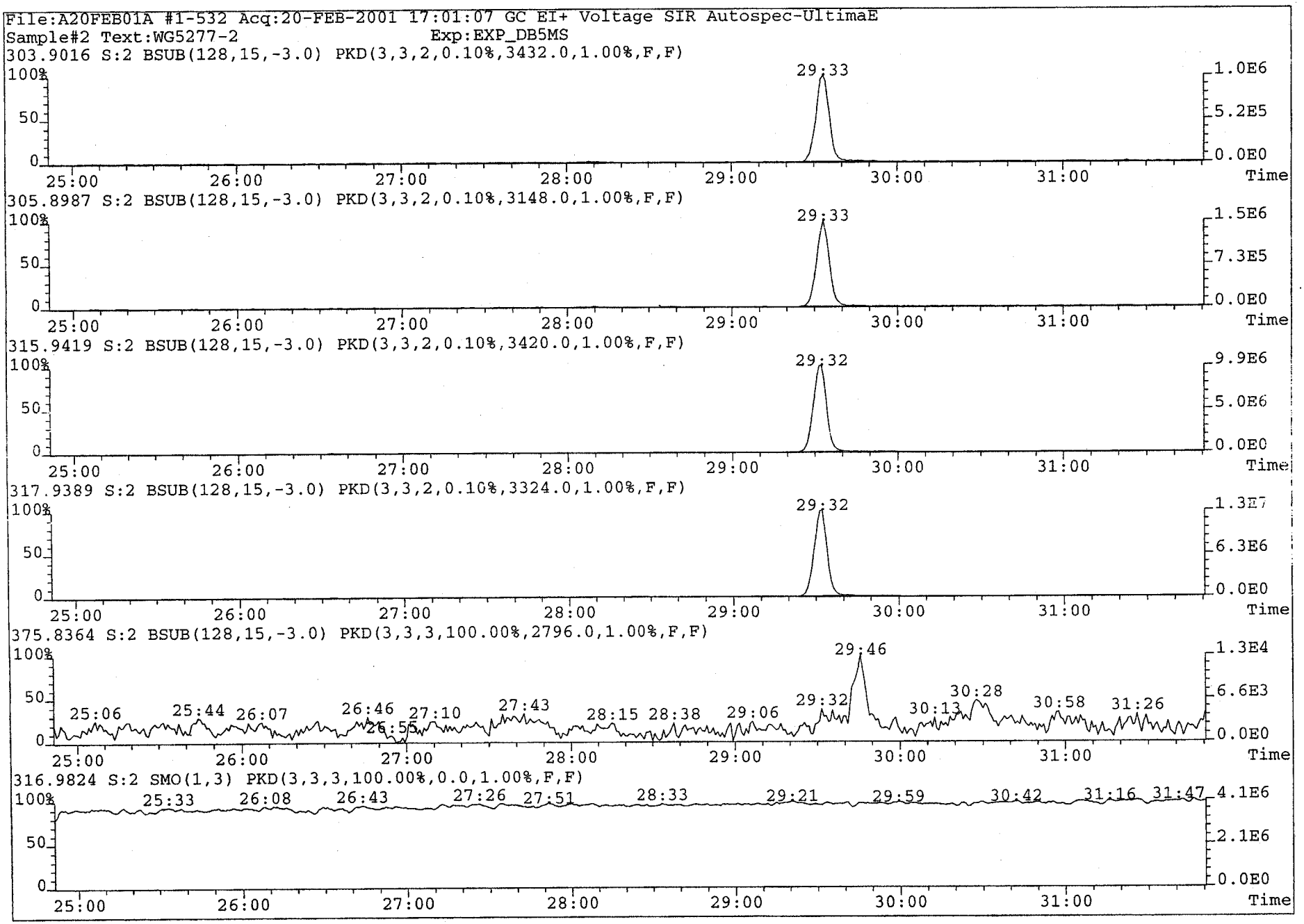

File:A20FEB01A #1-532 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
319.8965 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3516.0,1.00%,F,F)
30:30
7.2E5
3.6E5
0.0E0
321.8936 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2584.0,1.00%,F,F)
30:30
8.7E5
4.3E5
0.0E0
331.9368 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5296.0,1.00%,F,F)
29:46
30:28
1.9E7
9.3E6
0.0E0
333 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3436.0,1.00%,F,F)
29:46
30:28
2.3E7
1.2E7
0.0E0
327.8847 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3796.0,1.00%,F,F)
30:29
6.7E6
3.3E6
0.0E0
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:33 26:08 26:43 27:26 27:51 28:33 29:21 29:59 30:42 31:16 31:47
4.1E6
2.1E6
0.0E0
100%
50
0
25:00 26:00 27:00 28:00 29:00 30:00 31:00 Time

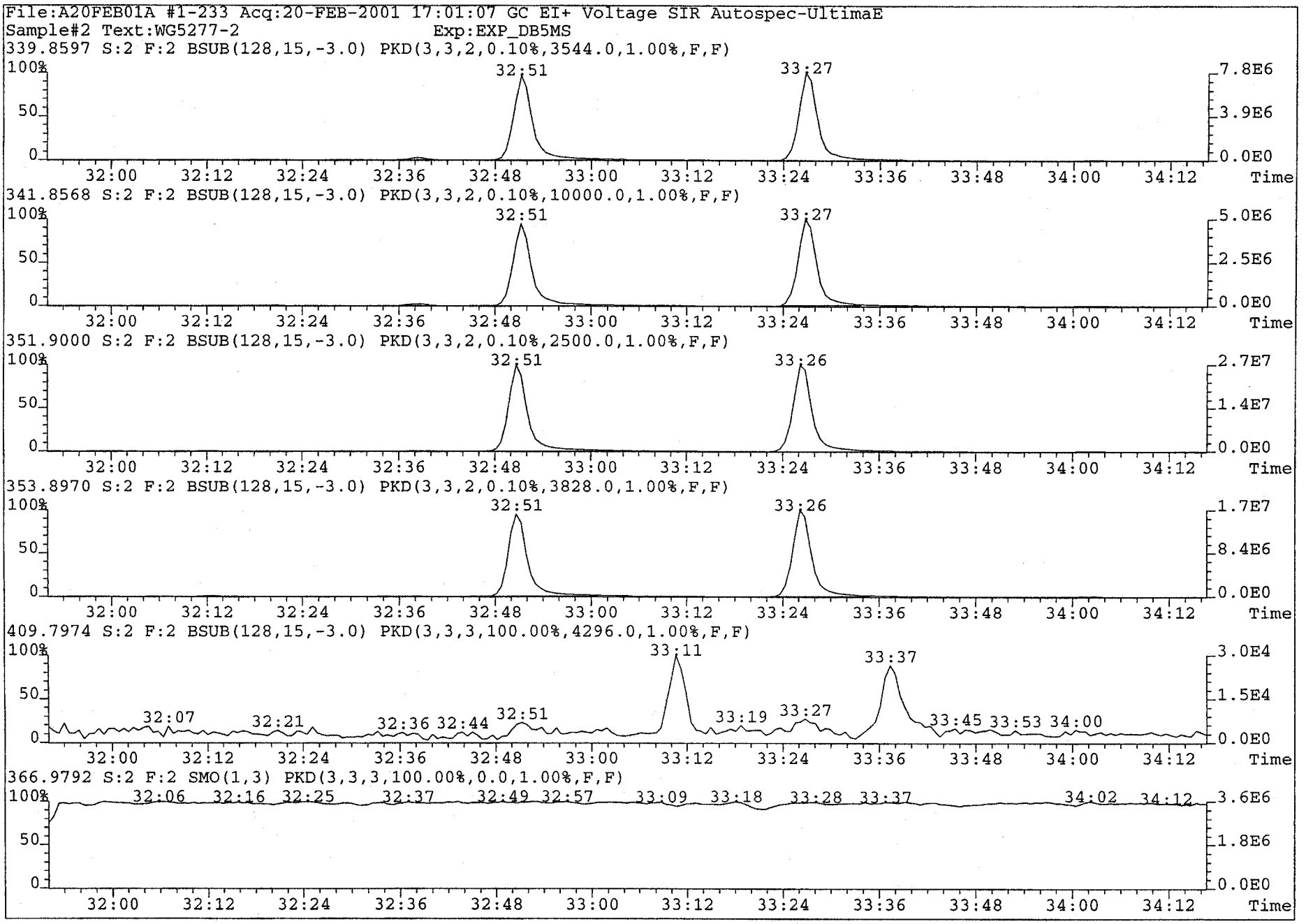

File:A20FEB01A #1-233 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
355.8546 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5248.0,1.00%,F,F)
33:38
4.1E6
2.0E6
0.0E0
357.8517 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3676.0,1.00%,F,F)
33:38
2.5E6
1.2E6
0.0E0
367.8949 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5184.0,1.00%,F,F)
33:37
1.6E7
8.1E6
0.0E0
369.8919 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4976.0,1.00%,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)
32:06 32:16 32:25 32:37 32:49 33:02 33:18 33:28 33:37 34:02 34:12
3.6E6
1.8E6
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

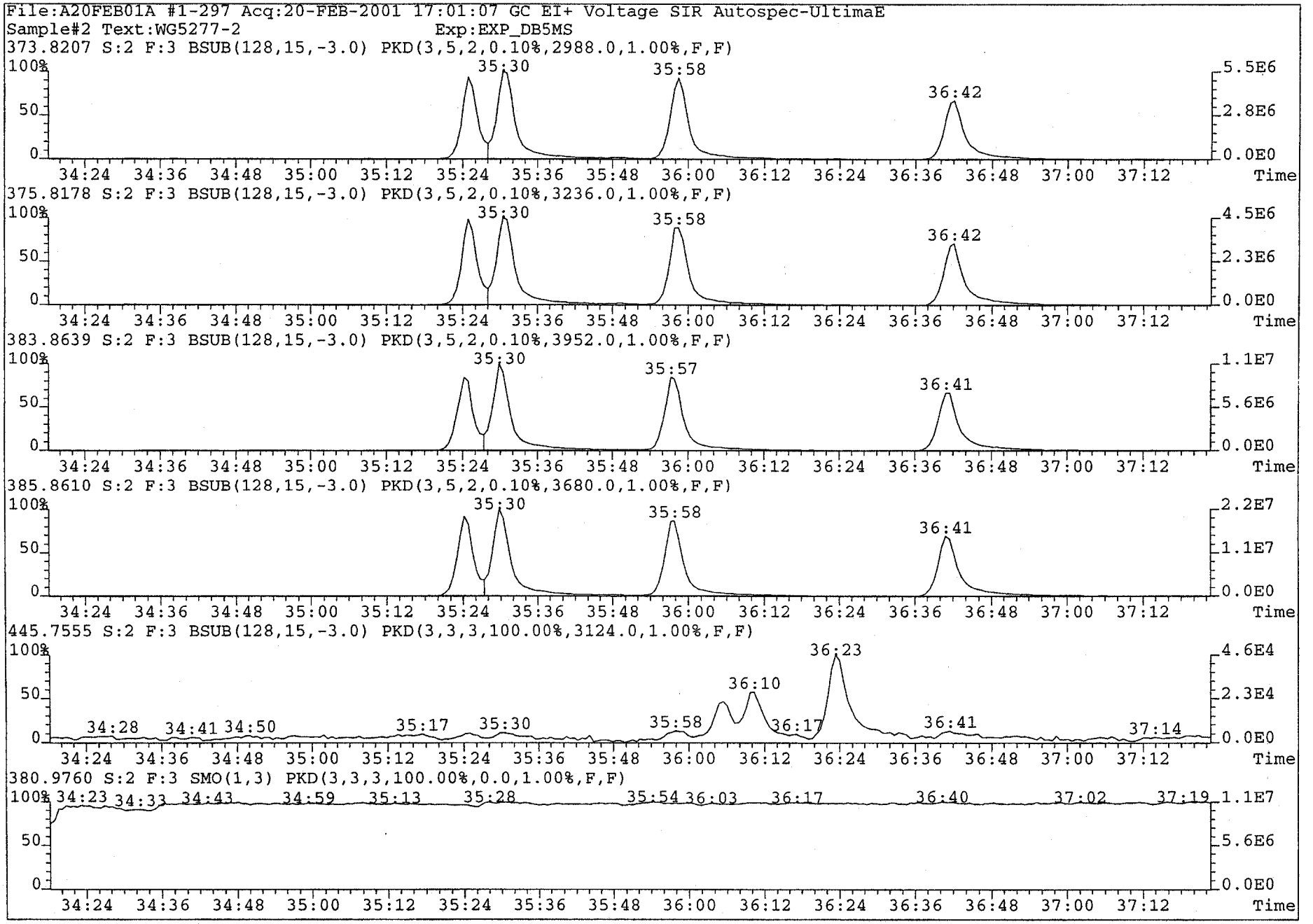

File:A20FEB01A #1-297 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
389.8156 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3320.0,1.00%,F,F)
36:11
36:24
2.9E6
1.4E6
0.0E0
391.8127 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4080.0,1.00%,F,F)
36:10
36:24
2.5E6
1.3E6
0.0E0
401.8559 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3600.0,1.00%,F,F)
36:23
36:10
2.5E7
1.2E7
0.0E0
403.8530 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6264.0,1.00%,F,F)
36:23
36:10
2.1E7
1.1E7
0.0E0
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:23 34:33 34:43 34:59 35:13 35:28 35:54 36:03 36:17 36:40 37:02 37:19
1.1E7
5.6E6
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

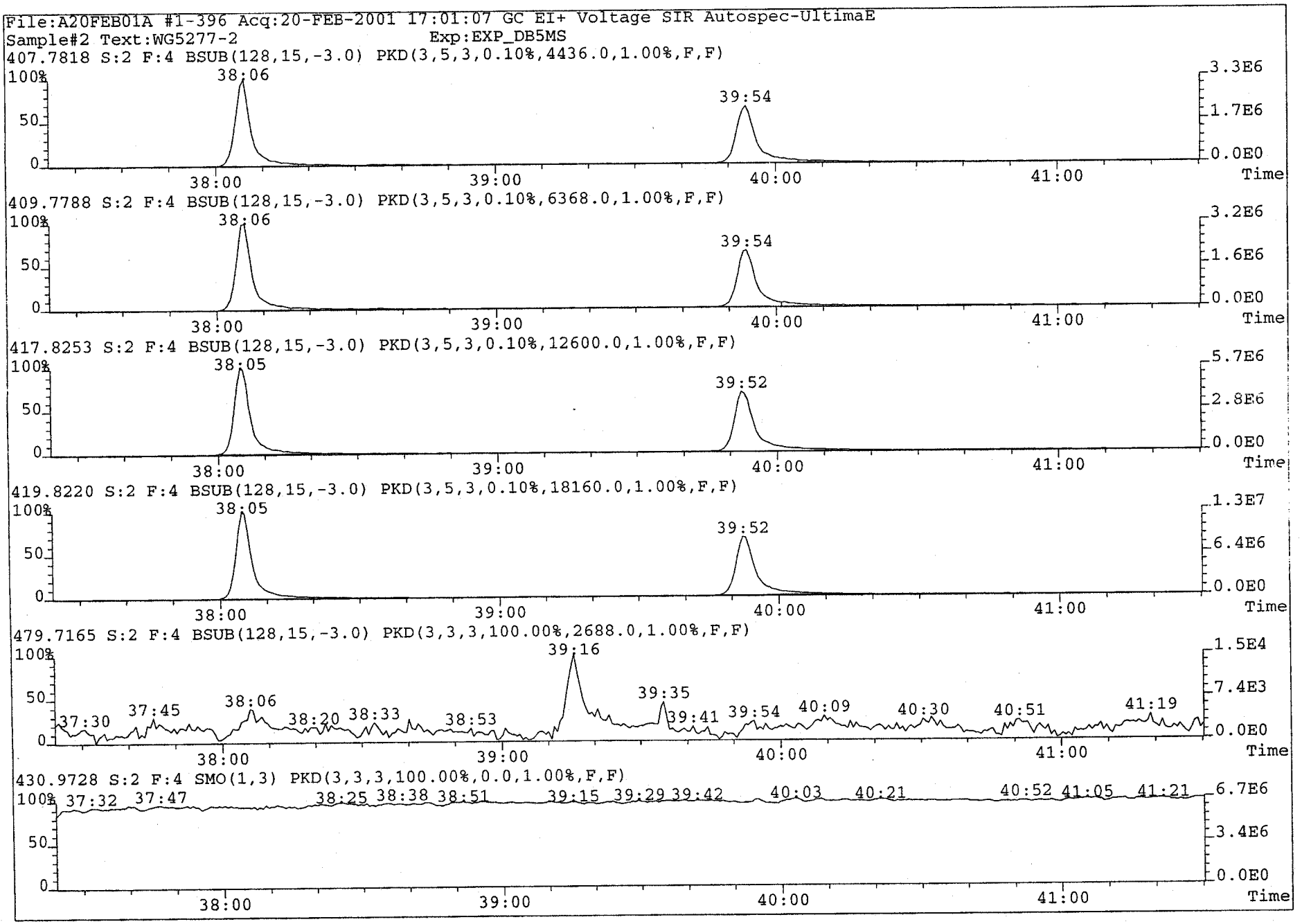

File:A20FEB01A #1-396 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
423.7767 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3988.0,1.00%,F,F)
39:16
1.9E6
9.5E5
425.7737 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3452.0,1.00%,F,F)
39:16
1.8E6
8.9E5
435.8169 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3244.0,1.00%,F,F)
39:16
6.4E6
3.2E6
437.8140 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2860.0,1.00%,F,F)
39:15
6.2E6
3.1E6
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:32 37:47 38:25 38:38 38:51 39:15 39:29 39:42 40:03 40:21 40:52 41:05 41:21
6.7E6
3.4E6
100%
50
0
38:00
39:00
40:00
41:00
Time
0.0E0

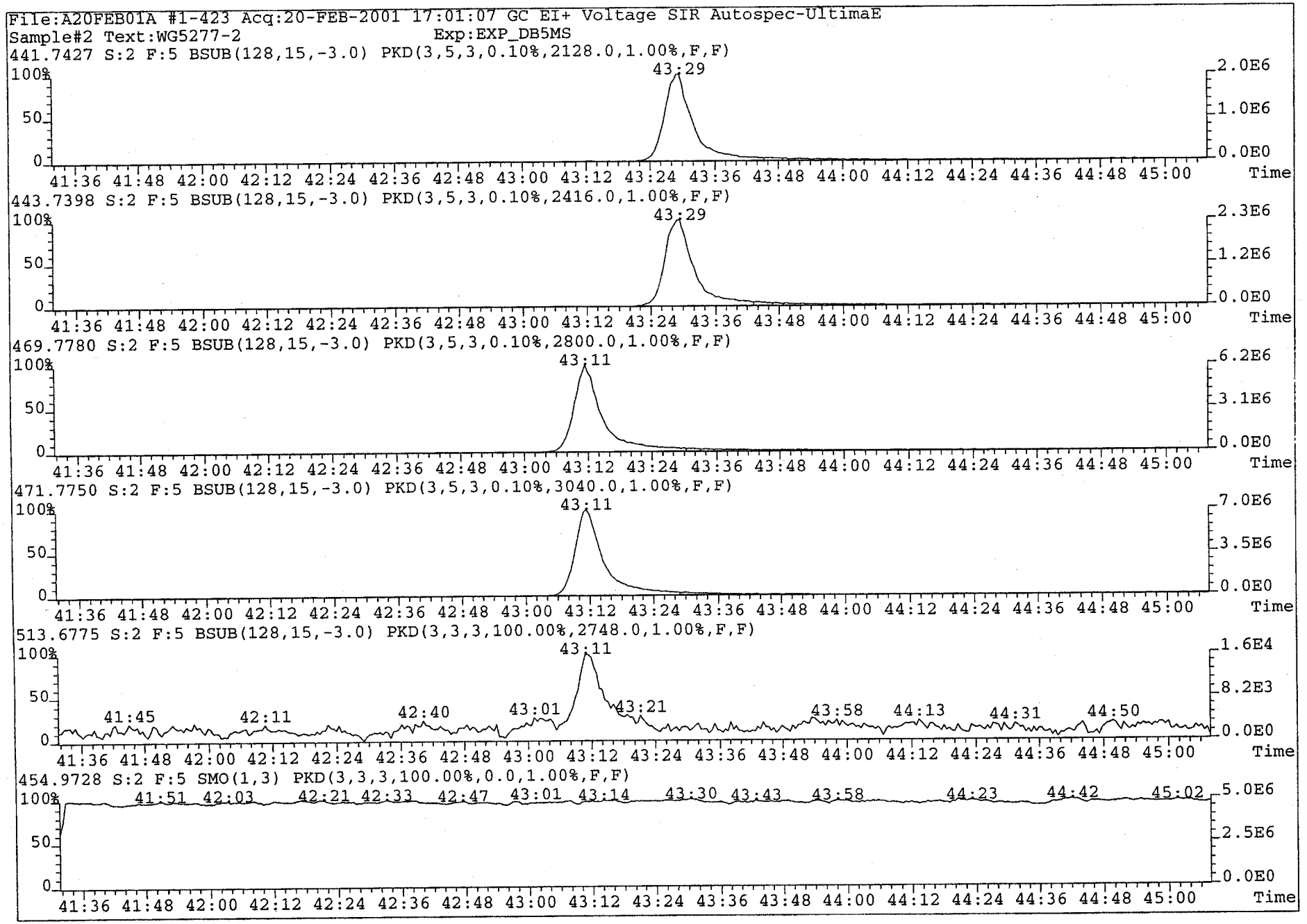

File:A20FEB01A #1-423 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
457.7377 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3236.0,1.00%,F,F)
43:12
43:25
1.7E6
8.6E5
0.0E0
459.7348 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3420.0,1.00%,F,F)
43:12
2.0E6
1.0E6
0.0E0
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2800.0,1.00%,F,F)
43:11
6.2E6
3.1E6
0.0E0
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3040.0,1.00%,F,F)
43:11
7.0E6
3.5E6
0.0E0
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:51 42:03 42:21 42:33 42:47 43:01 43:14 43:30 43:43 43:58 44:23 44:42 45:02
5.0E6
2.5E6
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

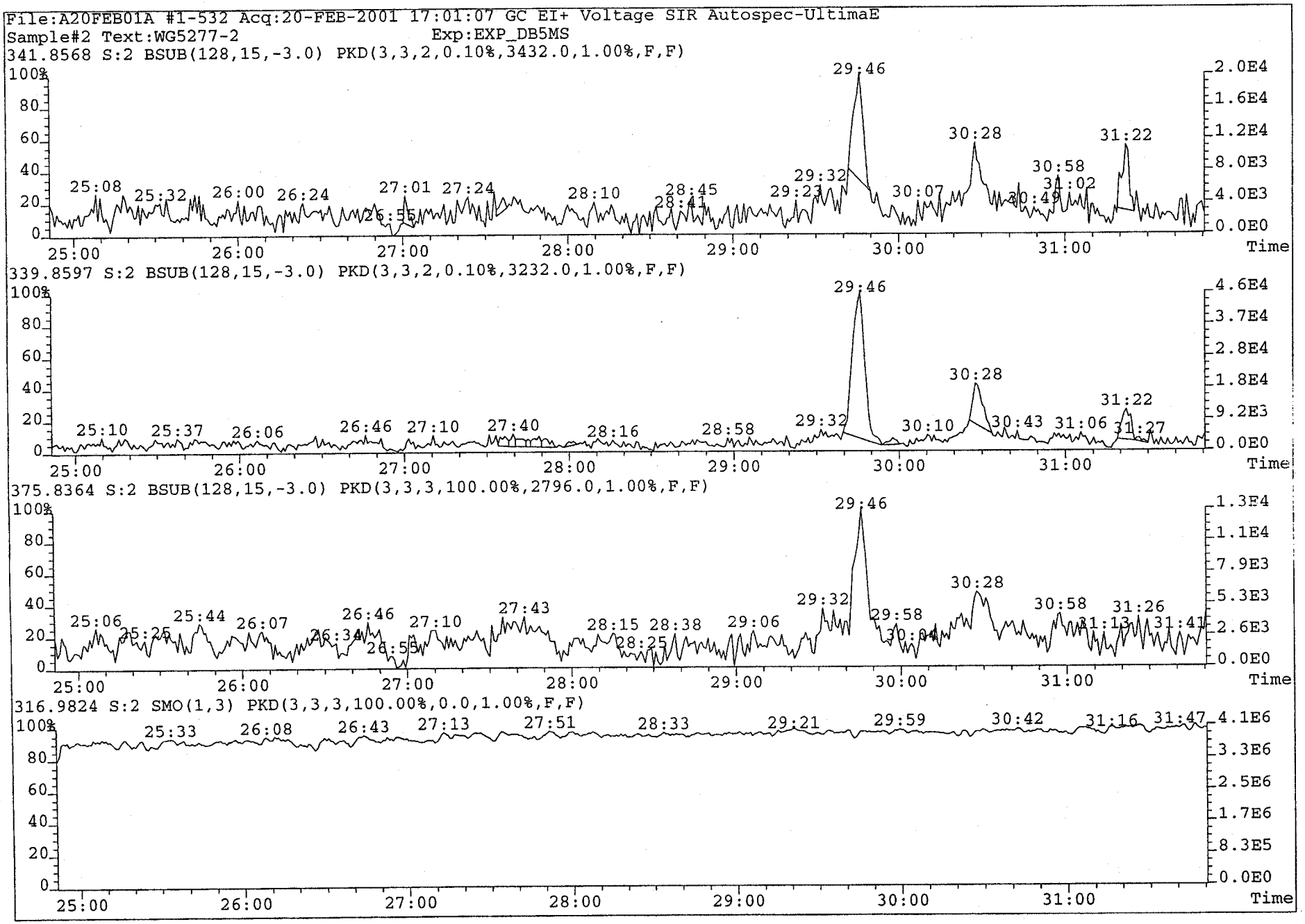

File:A20FEB01A #1-532 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
303.9016 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3432.0,1.00%,F,F)
29:33
1.0E6
5.2E5
0.0E0
305.8987 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3148.0,1.00%,F,F)
29:33
1.5E6
7.3E5
0.0E0
315.9419 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3420.0,1.00%,F,F)
29:32
9.9E6
5.0E6
0.0E0
317.9389 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3324.0,1.00%,F,F)
29:32
1.3E7
6.3E6
0.0E0
375.8364 S:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2796.0,1.00%,F,F)
29:46
25:06 25:44 26:07 26:46 27:10 27:43 28:15 28:38 29:06 29:32 30:13 30:28 30:58 31:26
1.3E4
6.6E3
0.0E0
316.9824 S:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:33 26:08 26:43 27:26 27:51 28:33 29:21 29:59 30:42 31:16 31:47
4.1E6
2.1E6
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time


File:A20FEB01A #1-233 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
339.8597 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3544.0,1.00%,F,F)
341.8568 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,10000.0,1.00%,F,F)
351.9000 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2500.0,1.00%,F,F)
353.8970 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3828.0,1.00%,F,F)
409.7974 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,4296.0,1.00%,F,F)
366.9792 S:2 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:51
33:27
33:26
33:11
33:37
32:07
32:21
32:36
32:44
33:19
33:45
33:53
34:00
32:06
32:16
32:25
32:37
32:49
32:57
33:09
33:18
33:28
34:02
34:12
100%
50
0
7.8E6
3.9E6
5.0E6
2.5E6
2.7E7
1.4E7
1.7E7
8.4E6
3.0E4
1.5E4
3.6E6
1.8E6
0.0E0
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:A20FEB01A #1-297 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
373.8207 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2988.0,1.00%,F,F)
35:30
35:58
36:42
5.5E6
2.8E6
0.0E0
375.8178 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3236.0,1.00%,F,F)
35:30
35:58
36:42
4.5E6
2.3E6
0.0E0
383.8639 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3952.0,1.00%,F,F)
35:30
35:57
36:41
1.1E7
5.6E6
0.0E0
385.8610 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3680.0,1.00%,F,F)
35:30
35:58
36:41
2.2E7
1.1E7
0.0E0
445.7555 S:2 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3124.0,1.00%,F,F)
36:23
36:10
34:28 34:41 34:50 35:17 35:30 35:58 36:17 36:41 37:14
4.6E4
2.3E4
0.0E0
380.9760 S:2 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:23 34:33 34:43 34:59 35:13 35:28 35:54 36:03 36:17 36:40 37:02 37:19
1.1E7
5.6E6
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:A20FEB01A #1-396 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
407.7818 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4436.0,1.00%,F,F)
38:06
39:54
3.3E6
1.7E6
0.0E0
409.7788 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6368.0,1.00%,F,F)
38:06
39:54
3.2E6
1.6E6
0.0E0
417.8253 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,12600.0,1.00%,F,F)
38:05
39:52
5.7E6
2.8E6
0.0E0
419.8220 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,18160.0,1.00%,F,F)
38:05
39:52
1.3E7
6.4E6
0.0E0
479.7165 S:2 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2688.0,1.00%,F,F)
39:16
39:35
37:30 37:45 38:06 38:20 38:33 38:53 39:41 39:54 40:09 40:30 40:51 41:19
1.5E4
7.4E3
0.0E0
430.9728 S:2 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:32 37:47 38:25 38:38 38:51 39:15 39:29 39:42 40:03 40:21 40:52 41:05 41:21
6.7E6
3.4E6
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time


File:A20FEB01A #1-423 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
441.7427 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2128.0,1.00%,F,F)
43:29
2.0E6
1.0E6
0.0E0
443.7398 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2416.0,1.00%,F,F)
43:29
2.3E6
1.2E6
0.0E0
469.7780 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2800.0,1.00%,F,F)
43:11
6.2E6
3.1E6
0.0E0
471.7750 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3040.0,1.00%,F,F)
43:11
7.0E6
3.5E6
0.0E0
513.6775 S:2 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2748.0,1.00%,F,F)
43:11
41:45
42:11
42:40
43:01
43:21
43:58
44:13
44:31
44:50
1.6E4
8.2E3
0.0E0
454.9728 S:2 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:51 42:03 42:21 42:33 42:47 43:01 43:14 43:30 43:43 43:58 44:23 44:42 45:02
5.0E6
2.5E6
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:A20FEB01A #1-532 Acq:20-FEB-2001 17:01:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:WG5277-2 Exp:EXP_DB5MS
341.8568 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3432.0,1.00%,F,F)
339.8597 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3232.0,1.00%,F,F)
375.8364 S:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2796.0,1.00%,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. #: E056.007 5.0040

Page 1 of 1

CHAIN OF CUSTODY RECORD

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

Client Name/Facility Name: Delta Environmental

Collected by/Company:

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

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

~~G341-55~~ G129-362

SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	1613 Dioxins	Remarks
LF-10	2/6/01	15:45					2	2	Analyze
Upstream	2/8/01	9:00	x				2	2	1613 Dioxins
DnStream	2/8/01	9:45	x				2	2	
DnStream/02	2/8/01	10:00	x				2	2	
									GTS

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	2/8/01	1700					

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Julie Johnson	2/9/01	0945	0.7°C

White = sample collector Yellow = file Pink = with report

Project	Client Sample ID	D_STAT	Client_prog	Client	Sample I	Date Collec	Date Recei	Date Due	riorit	tles	Matrix	ocatio	Dept	Report	Analyses
G129-362	LF-10	LOGN:REVW	E096-07-5.0040	341	14708	2/6/01	2/9/01	3/2/01	STD	2	Well	W2	17	EX	1613
G129-362	UpStream	LOGN:REVW	E096-07-5.0040	341	14709	2/6/01	2/9/01	3/2/01	STD	2	Well	W2	17	EX	1613
G129-362	DnStream	LOGN:REVW	E096-07-5.0040	341	14710	2/8/01	2/9/01	3/2/01	STD	2	Well	W2	17	EX	1613
G129-362	DnStream/02	LOGN:REVW	E096-07-5.0040	341	14711	2/8/01	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: **G129-362**

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: 0.9
   [ ] 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:

Inspected and Logged in by:

Date / Time: Mon-2/12/01 16:01

DC27.022100.1

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	277

	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
1	LMB-5277	500	5	✓	20✓	0	8:30	10:10	20✓	✓	PR	15-Feb-01	N/A
2	14708	504	5	✓	20✓				20✓	✓		15-Feb-01	G129-362
3	14709	506	5	✓	20✓				20✓	✓		15-Feb-01	G129-362
4	14710	515	5	✓	20✓				20✓	✓		15-Feb-01	G129-362
5	14711	510	5	✓	20✓				20✓	✓		15-Feb-01	G129-362
6	14699R	480		✓	20✓				20✓	✓		15-Feb-01	G129-359
7	OPR-5277	500	5	✓	20✓	20✓			20✓	✓		15-Feb-01	N/A
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

PR 2/16/01

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.	508-203	0.02

PR 2/15/01

Comments:

DC8.021700.1

* = To be entered in the Prep Table.

Carbon Cleanup

Date: 2/19/2001

Start with Celite up.

	Step	mL	Solvent	Complete
Rinse	Start with Celite up.			
	1	4	Toluene	✓
	2	2	Binary	✓
	3	4	Tertiary	✓
	4	2	$MeCL_2$	✓
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-5277	N/A
2	14708	N/A
3	14709	N/A
4	14710	N/A
5	14711	N/A
6	14699R	N/A
7	OPR-5277	N/A
8		
9		
10		
11		
12		

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

LogBook: 6 Page: ~~101~~ 102 PR 2/19/01

Section 5

Initial Calibration Data

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

PS 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

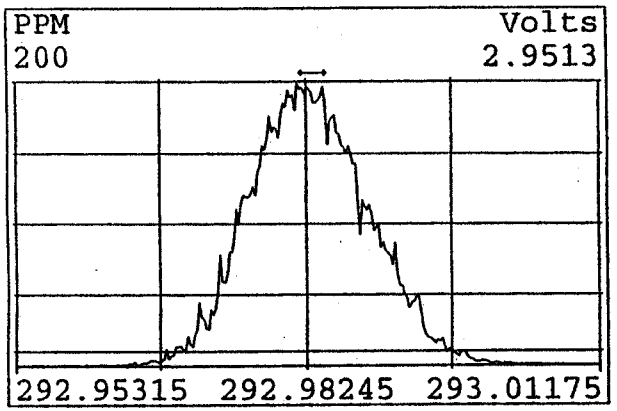
QC ed 09JUN99 JJ

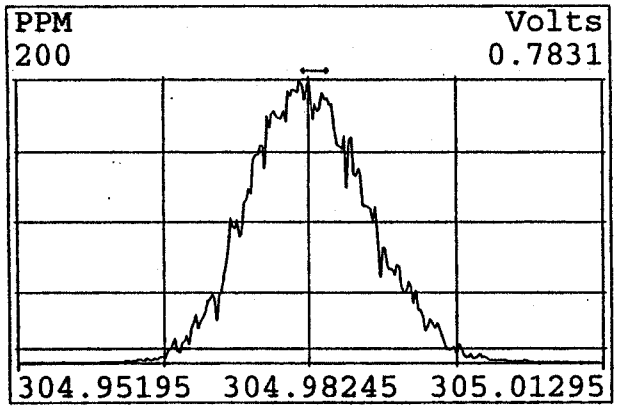
A

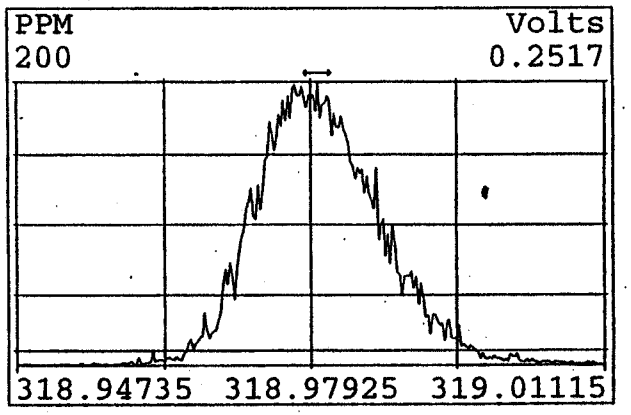
Run #1 Filename a26may99m S: 2 I: 1 Acquired: 26-MAY-99 17:08:50 Processed: 9-JUN-99 10:36:54
Run: Analyte: m1613-060» Cal: m1613-052» Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS0.5 Comments:

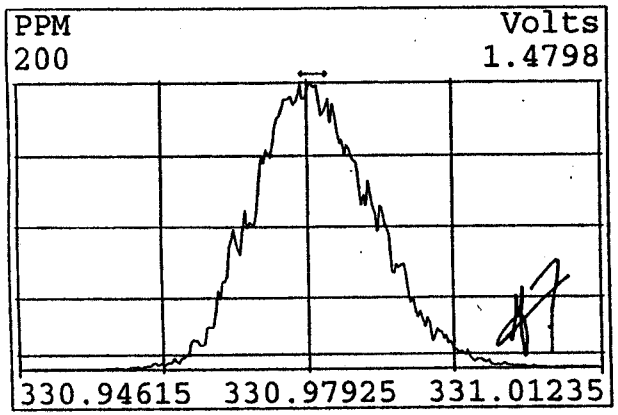
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?
1	Unk	2,3,7,8-TCDD	0.25	6.66e+05	0.88	y	32:53	-	1.34	y	n
2	Unk	1,2,3,7,8-PeCDD	1.25	2.13e+06	1.58	y	35:48	-	1.04	y	n
3	Unk	1,2,3,4,7,8-HxCDD	1.25	1.92e+06	1.23	y	38:44	-	1.18	y	n
4	Unk	1,2,3,6,7,8-HxCDD	1.25	1.75e+06	1.21	y	38:50	-	0.96	y	n
5	Unk	1,2,3,7,8,9-HxCDD	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

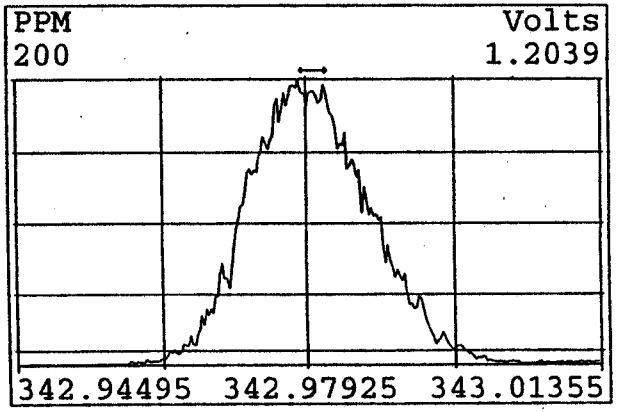
Peak Locate Examination:26-MAY-1999:16:15 File:A26MAY99M_L
Experiment:EXP_DB5MS Function:1 Reference:PFK

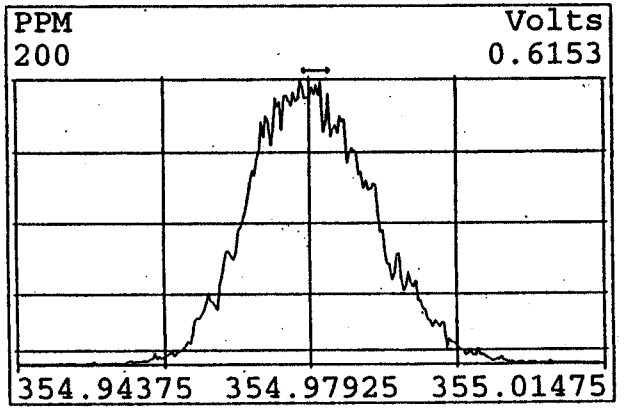


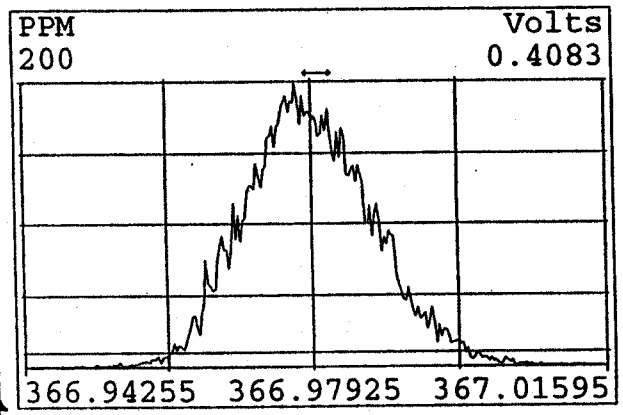


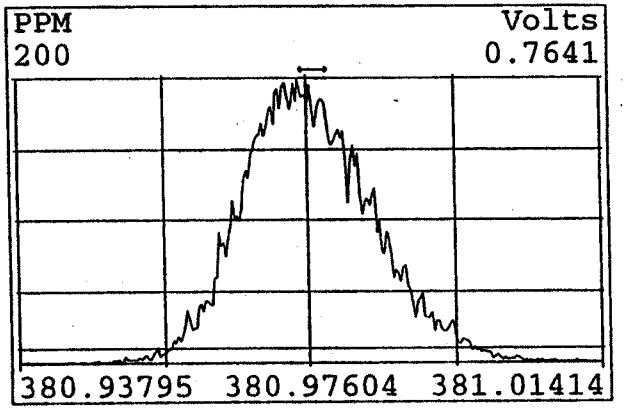




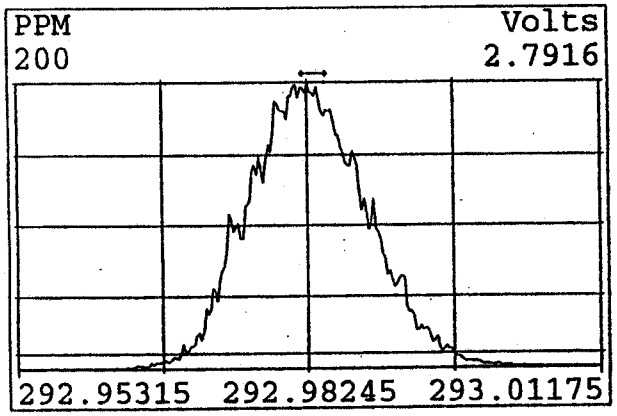


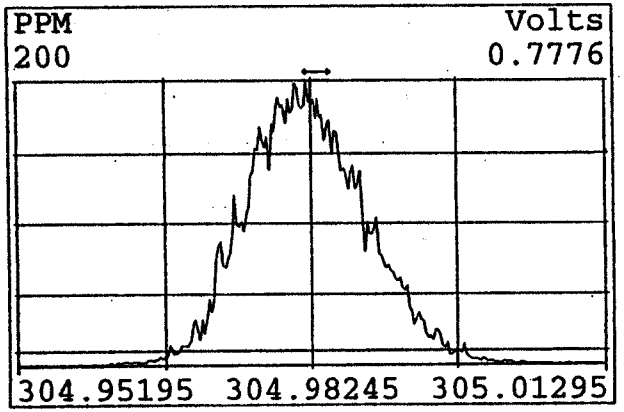


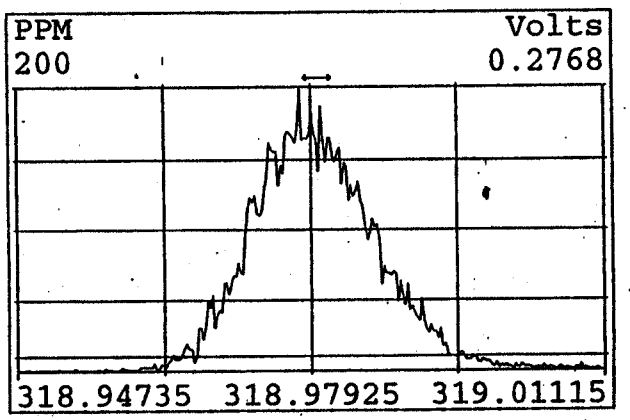


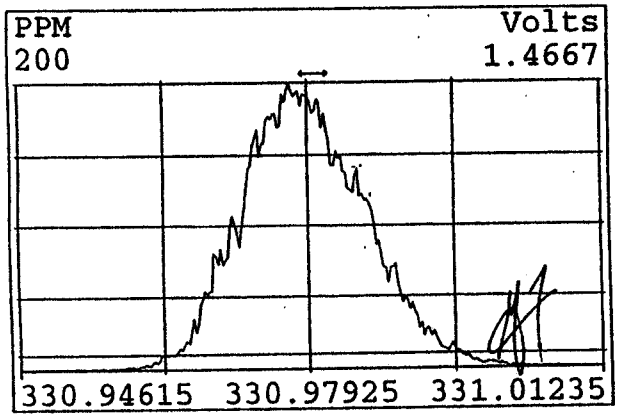


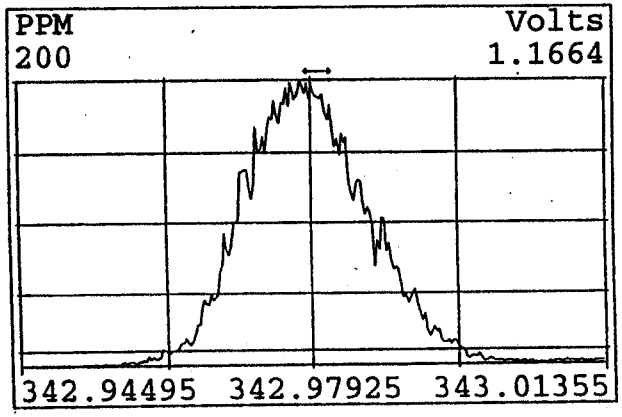
Peak Locate Examination:26-MAY-1999:21:25 File:A26MAY99M_RES_CHECK
Experiment:EXP_DB5MS Function:1 Reference:PFK

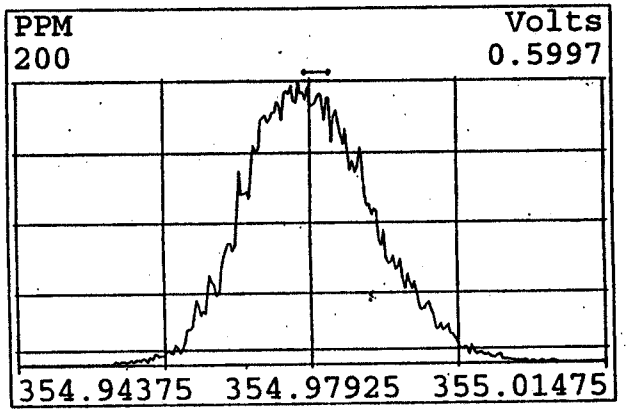


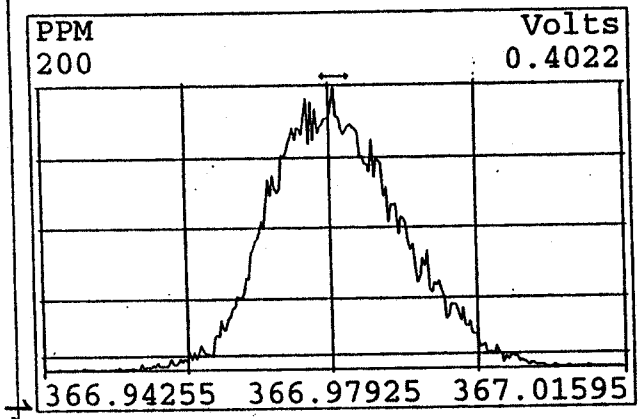


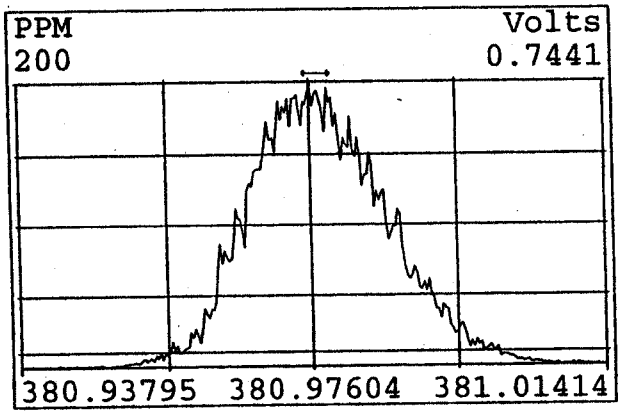






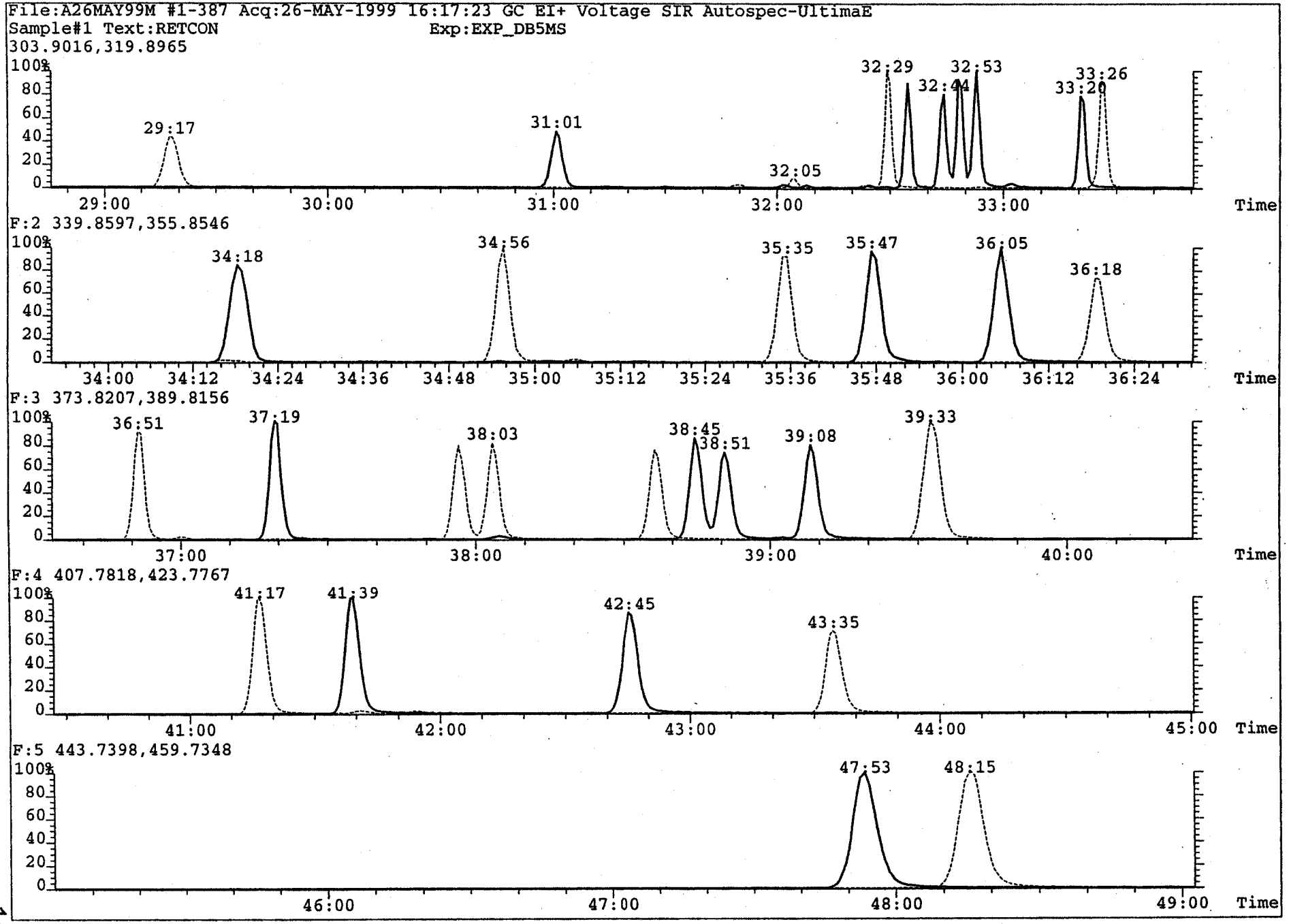


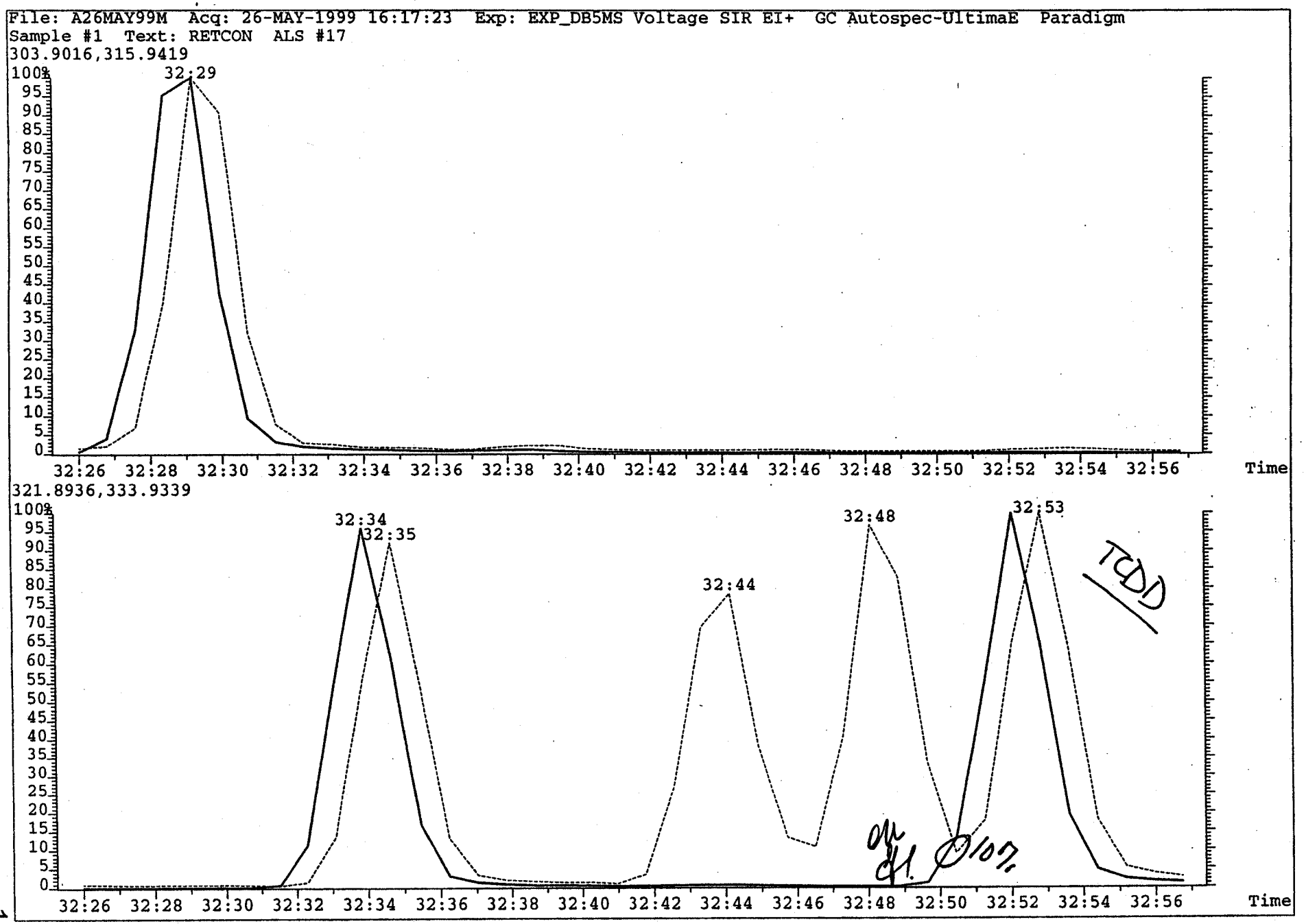




Filename ; a26may99m
Sample ; 1
Acquired ; 26-MAY-99 16:17:23
Processed ; 27-MAY-99 08:48:33
Sample ID ; RETCON

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
F:2 339.8597,355.8546
34:18
34:56
35:35
35:47
36:05
36:18
F:3 373.8207,389.8156
36:51
37:19
38:03
38:45
38:51
39:08
39:33
F:4 407.7818,423.7767
41:17
41:39
42:45
43:35
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
Time
321.8936,333.9339
32:34
32:35
32:44
32:48
32:53
TCDD
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	

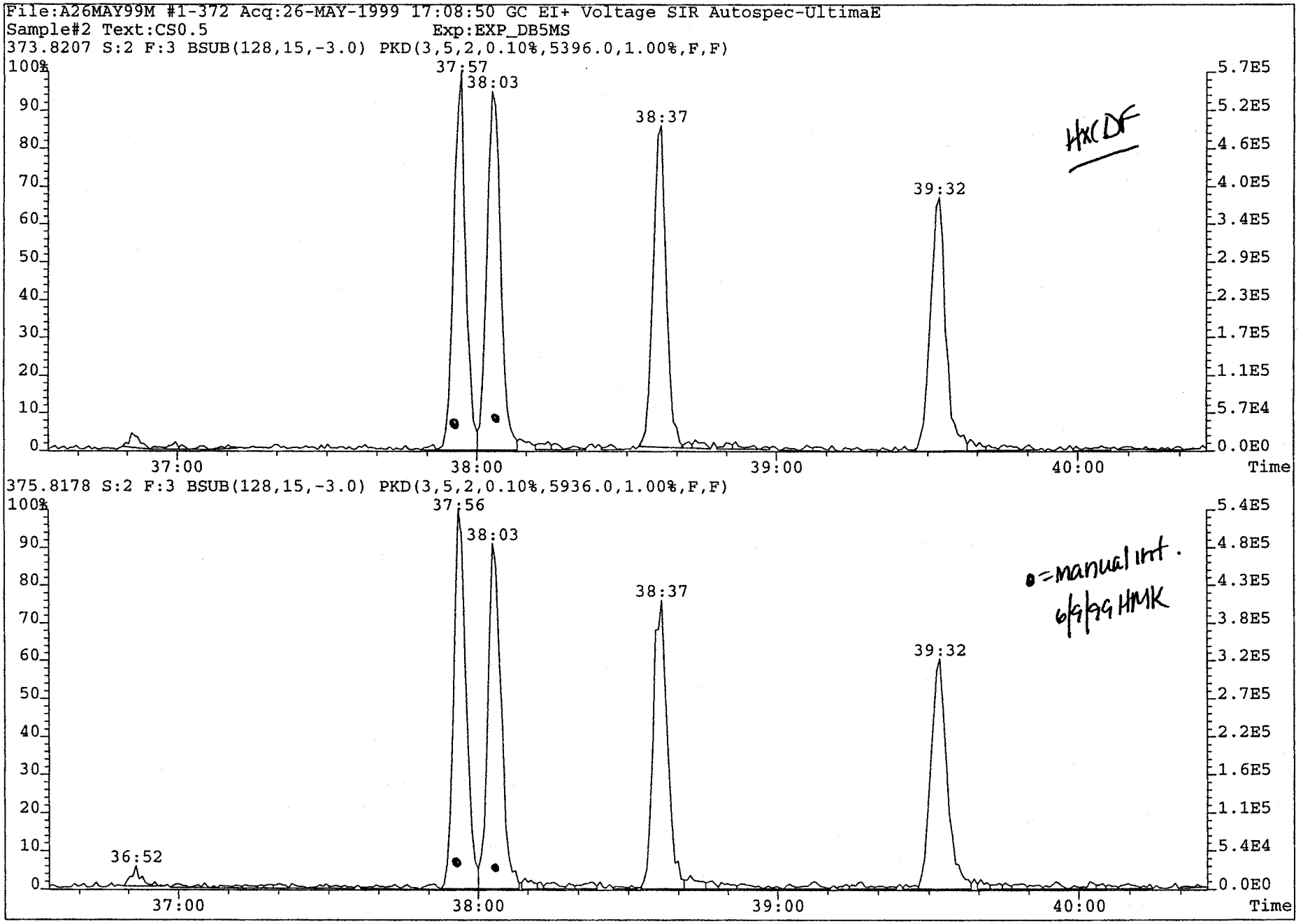
RRF = 1.92e6 / 1.25 * 1.30e8 * 100 =

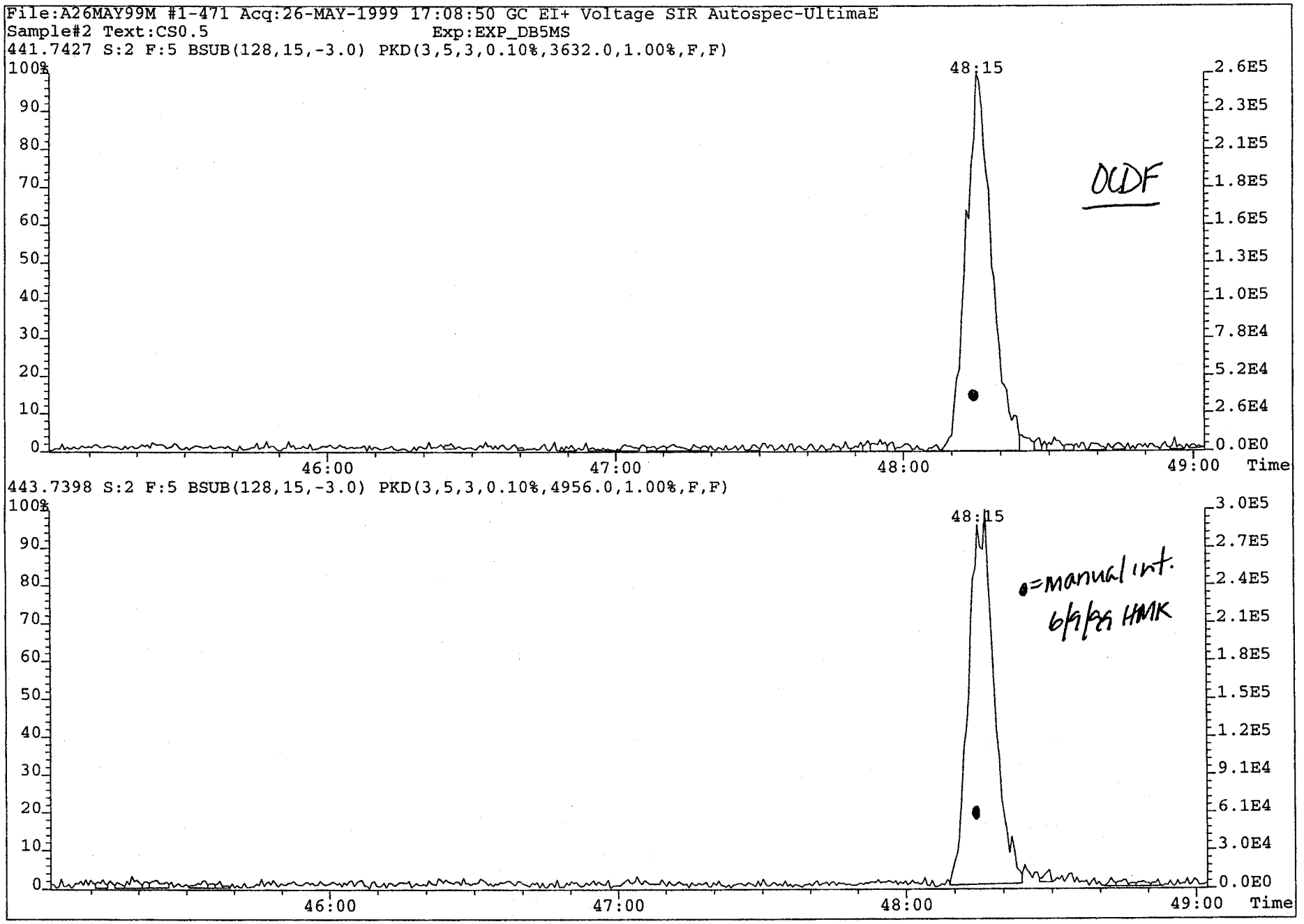
1.18

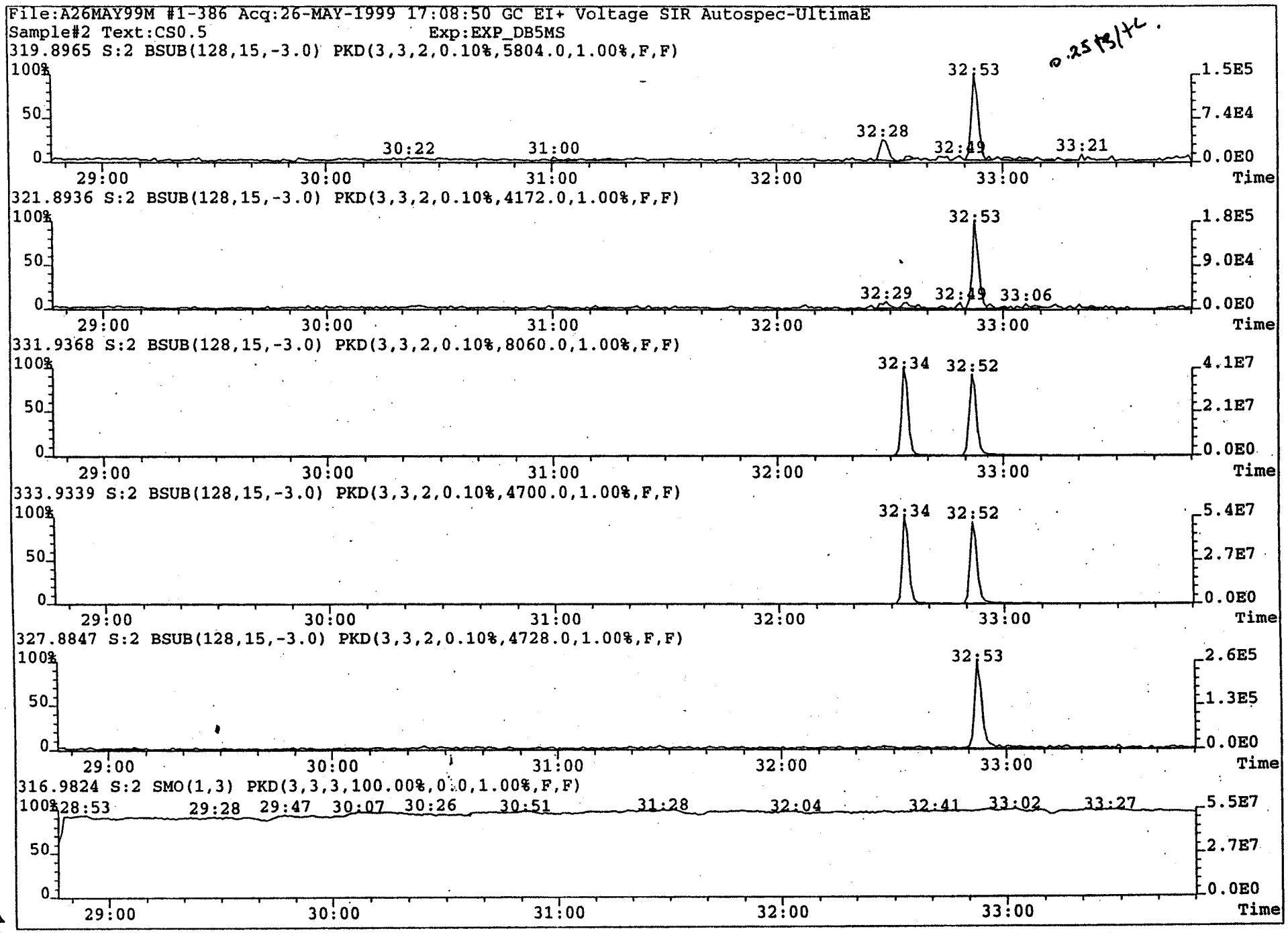
OK

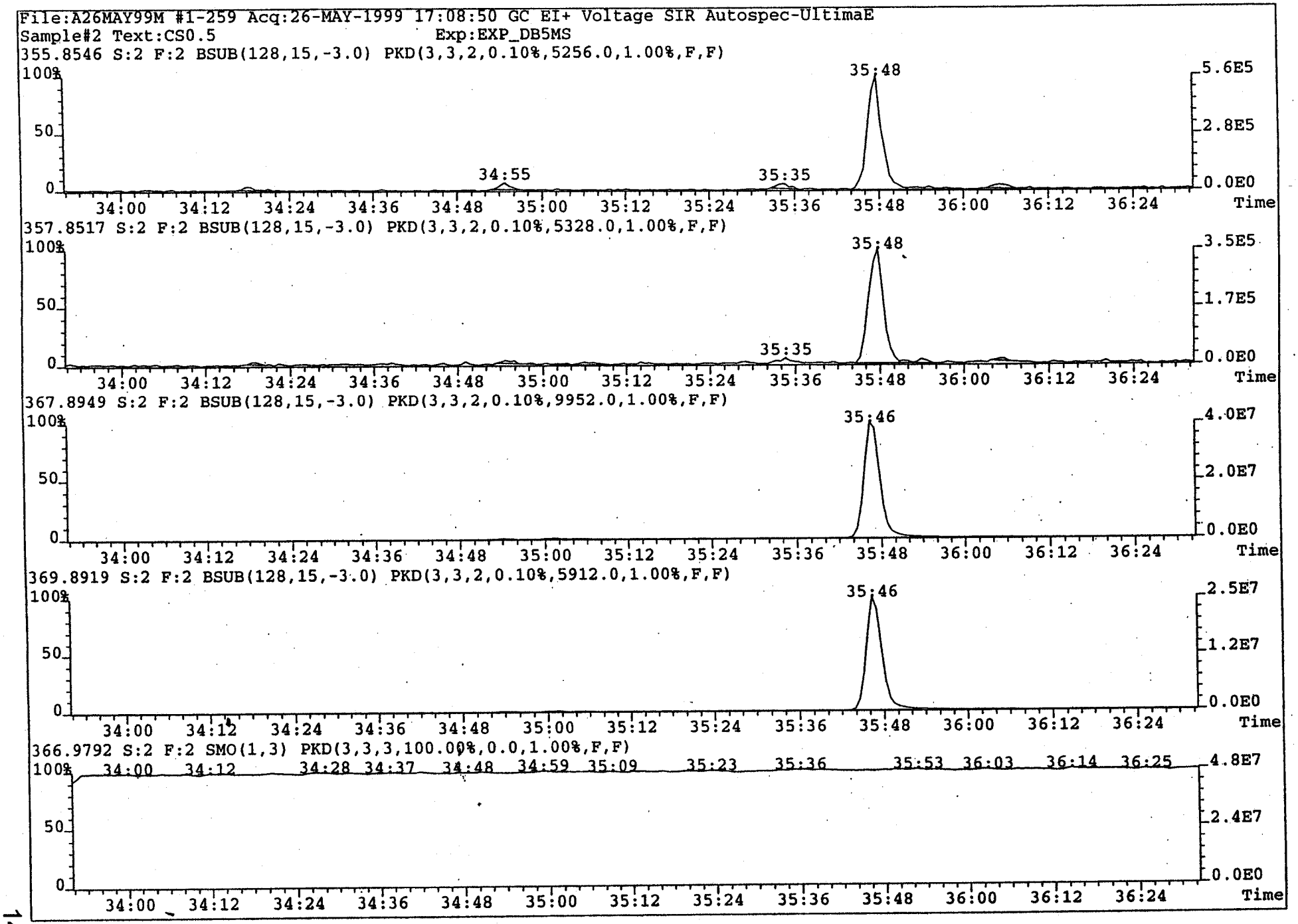
GICP + Inch. ?

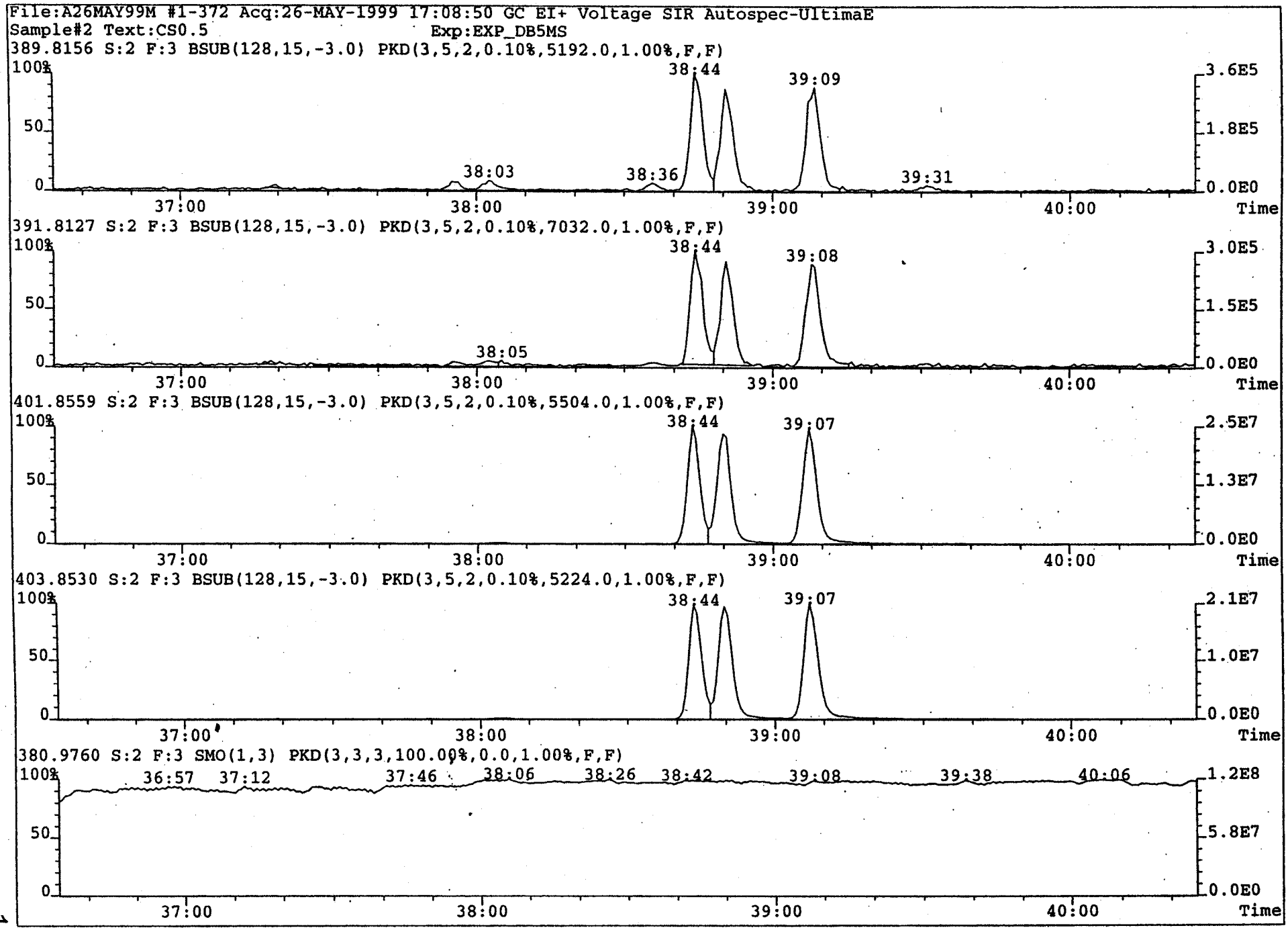
1.3?

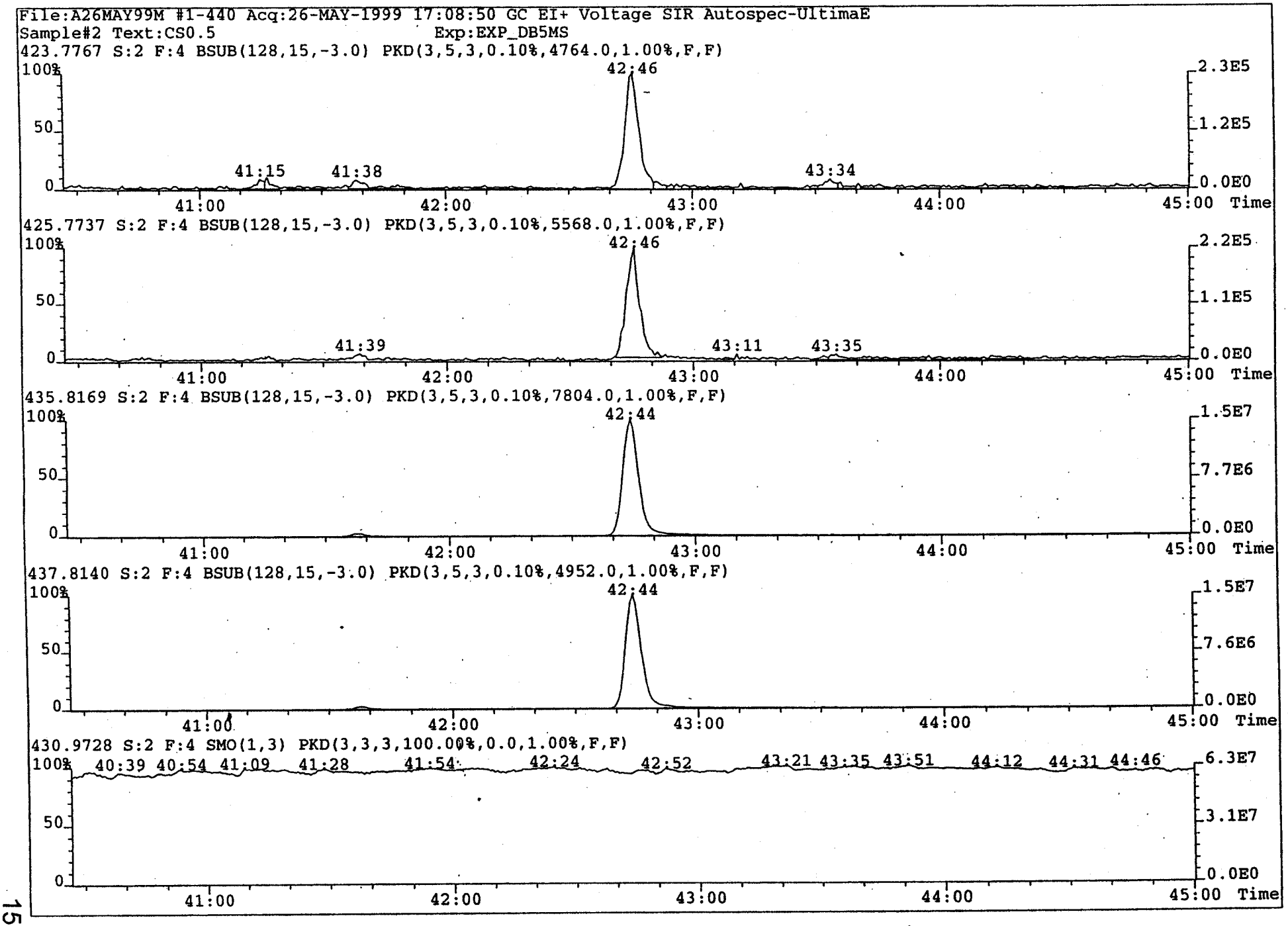

File:A26MAY99M #1-372 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
373.8207 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5396.0,1.00%,F,F)
37:57
38:03
38:37
39:32
HxCDF
375.8178 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5936.0,1.00%,F,F)
37:56
38:03
38:37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

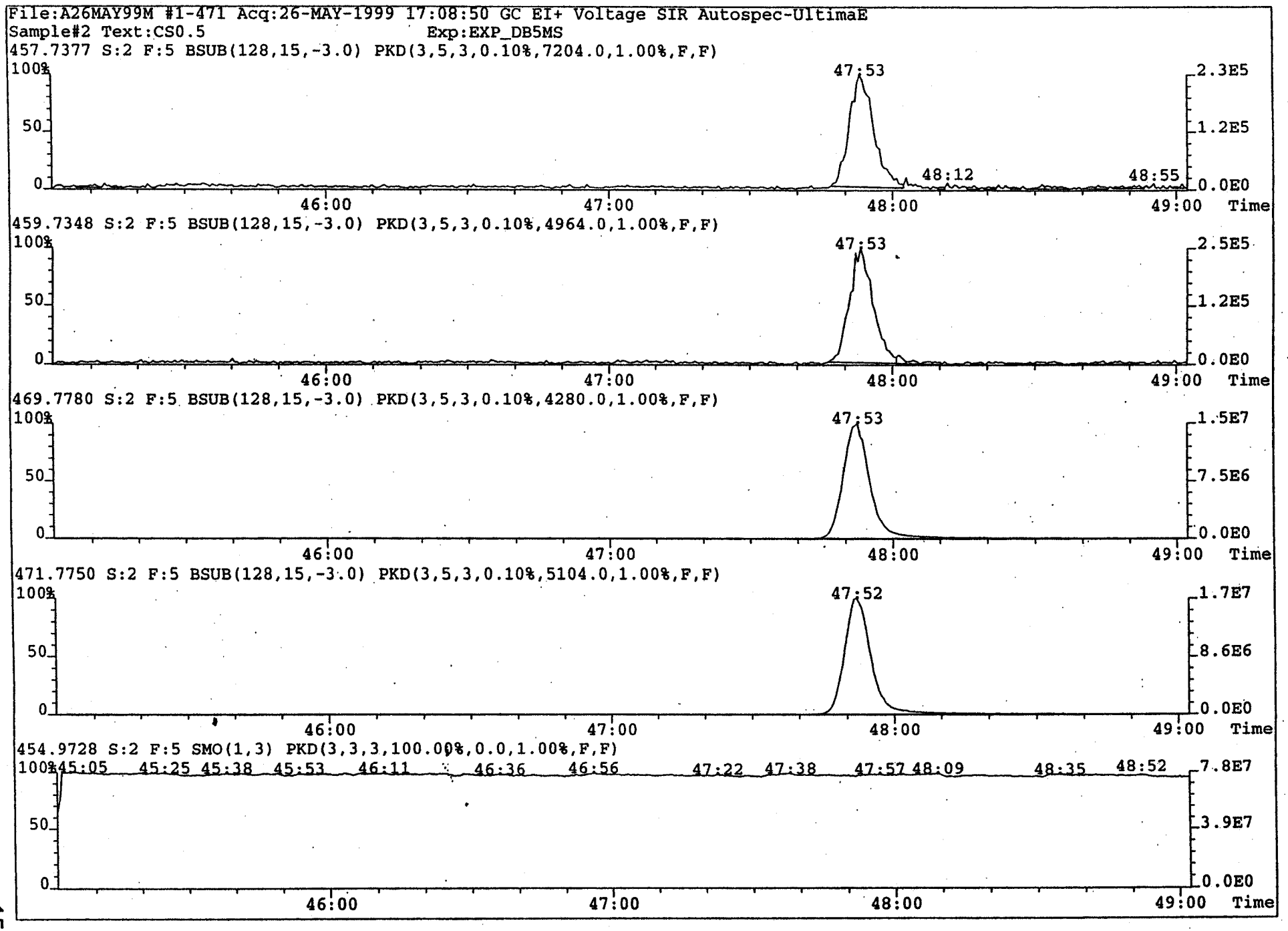

File:A26MAY99M #1-471 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
441.7427 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3632.0,1.00%,F,F)
100%
90
80
70
60
50
40
30
20
10
0
48:15
2.6E5
2.3E5
2.1E5
1.8E5
1.6E5
1.3E5
1.0E5
7.8E4
5.2E4
2.6E4
0.0E0
OCDF
46:00
47:00
48:00
49:00
Time
443.7398 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4956.0,1.00%,F,F)
100%
90
80
70
60
50
40
30
20
10
0
48:15
3.0E5
2.7E5
2.4E5
2.1E5
1.8E5
1.5E5
1.2E5
9.1E4
6.1E4
3.0E4
0.0E0
•=manual int.
6/9/99 HMK
46:00
47:00
48:00
49:00
Time

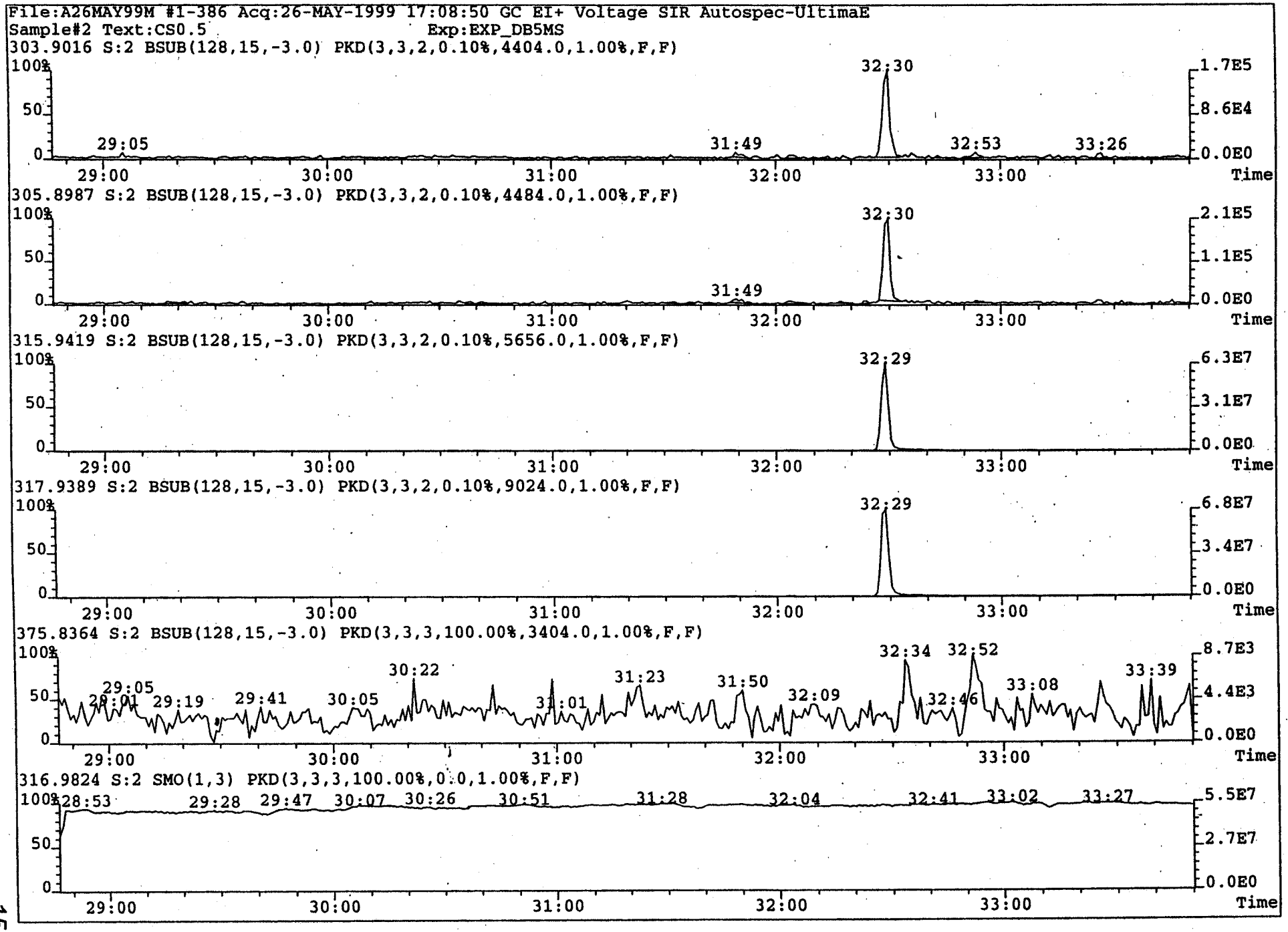

File:A26MAY99M #1-386 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
319.8965 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5804.0,1.00%,F,F)
0.25 pg/µL
32:53
32:28
30:22
31:00
32:49
33:21
1.5E5
7.4E4
0.0E0
321.8936 S:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4172.0,1.00%,F,F)
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

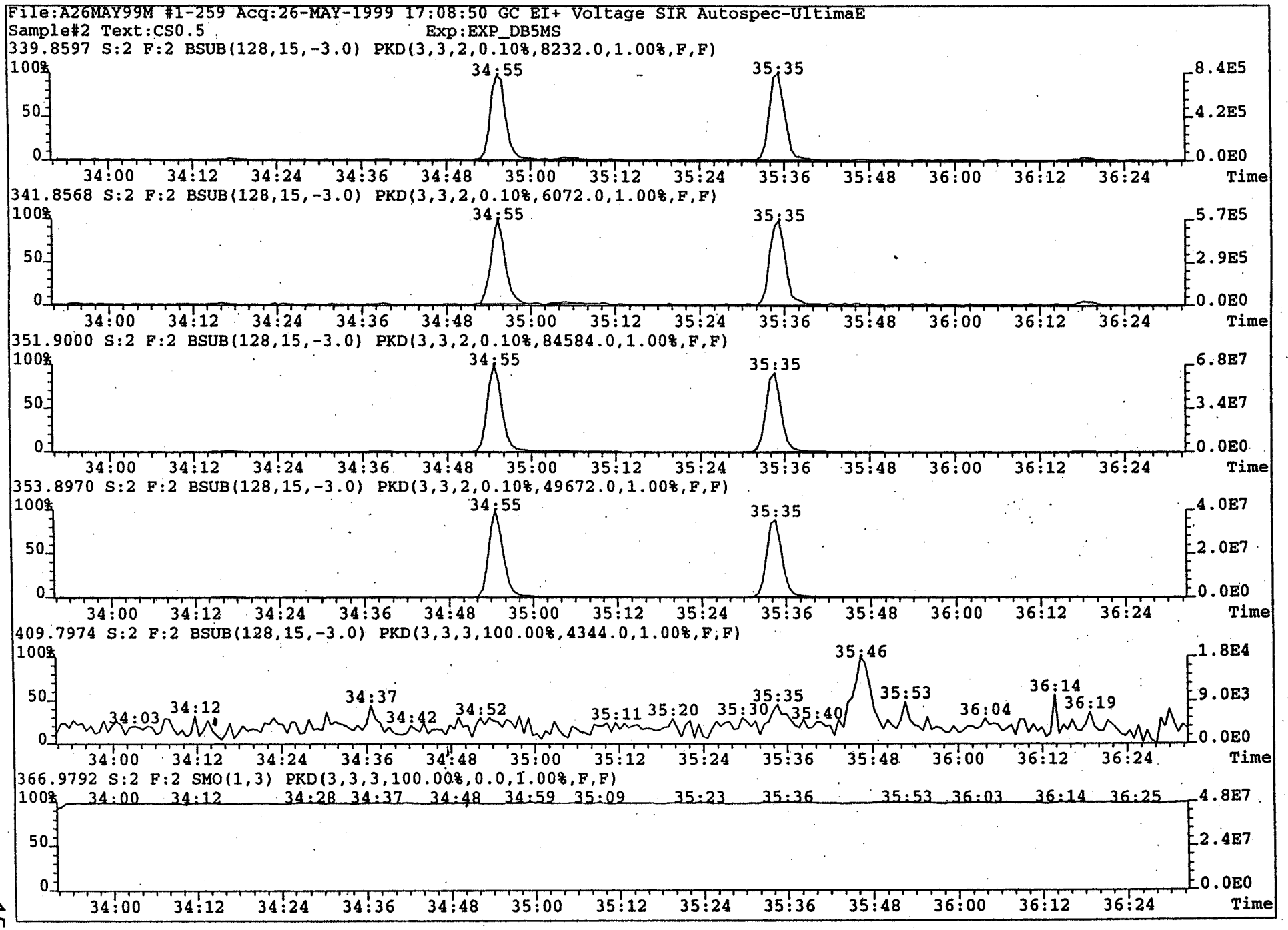

File:A26MAY99M #1-259 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
355.8546 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5256.0,1.00%,F,F)
35:48
34:55
35:35
5.6E5
2.8E5
0.0E0
357.8517 S:2 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5328.0,1.00%,F,F)
35:48
35:35
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

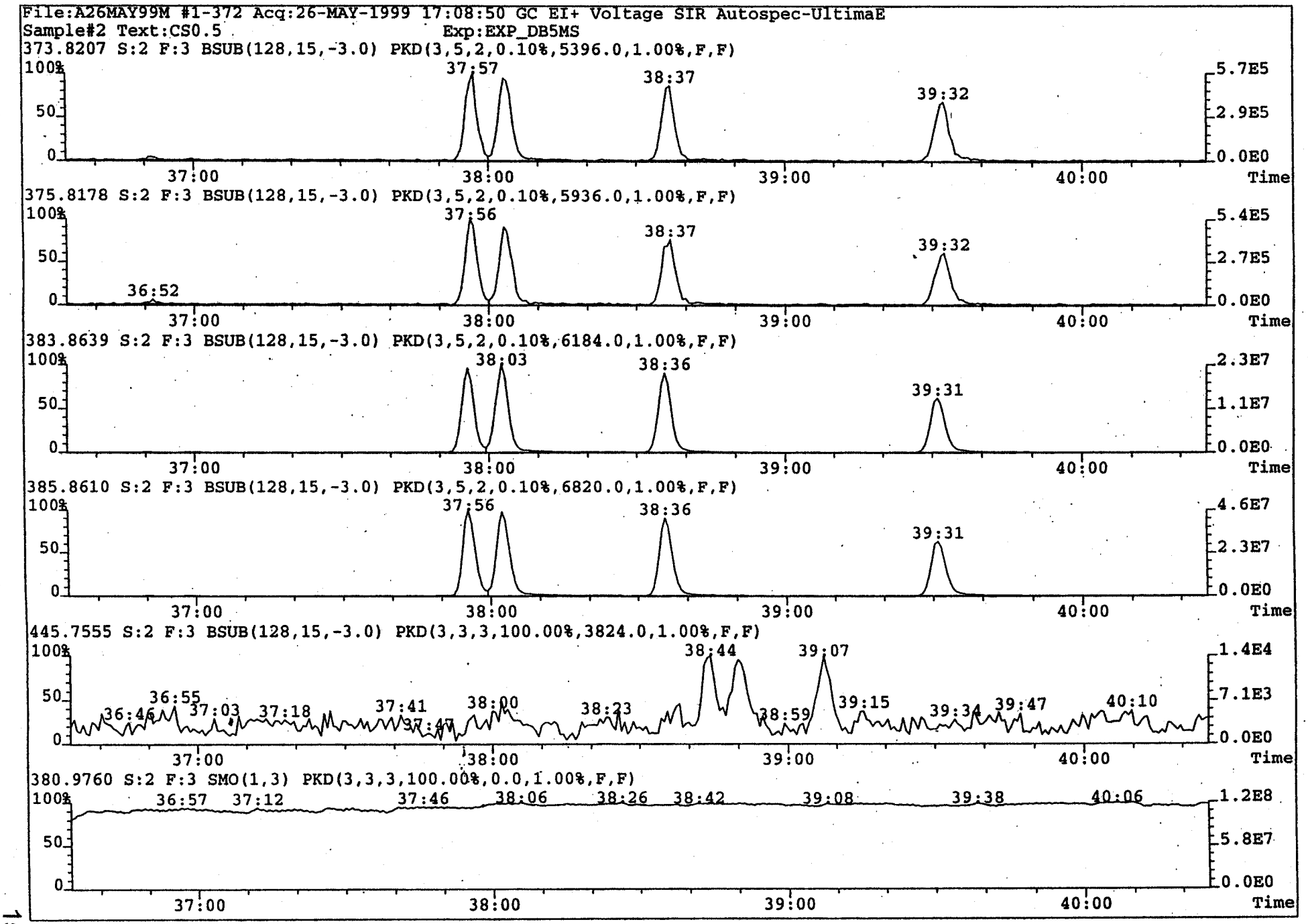

File:A26MAY99M #1-372 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
389.8156 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5192.0,1.00%,F,F)
38:44
39:09
38:03
38:36
39:31
3.6E5
1.8E5
0.0E0
391.8127 S:2 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,7032.0,1.00%,F,F)
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

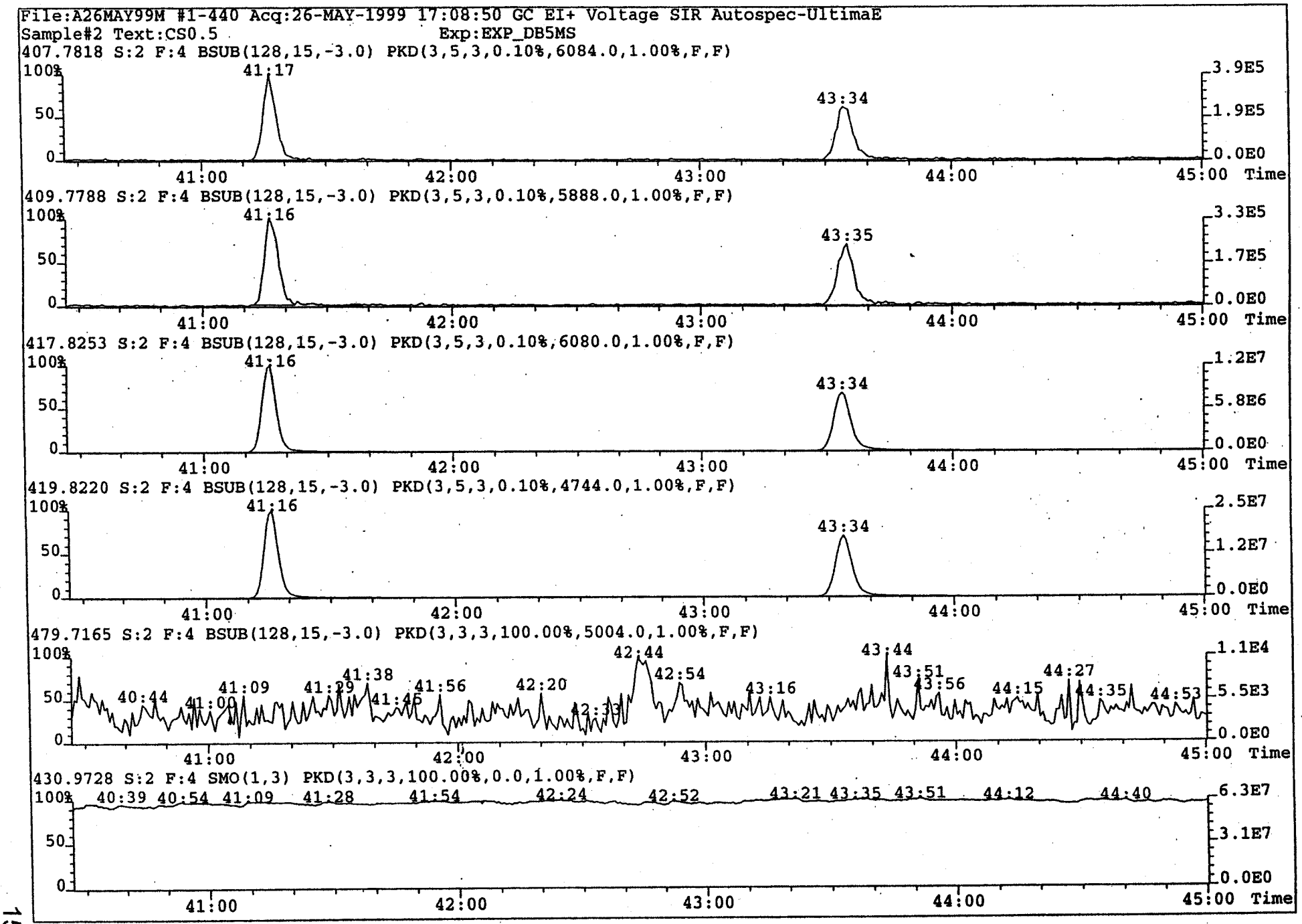

File:A26MAY99M #1-440 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5 Exp:EXP_DB5MS
423.7767 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4764.0,1.00%,F,F)
42:46
41:15
41:38
43:34
2.3E5
1.2E5
0.0E0
425.7737 S:2 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5568.0,1.00%,F,F)
42:46
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

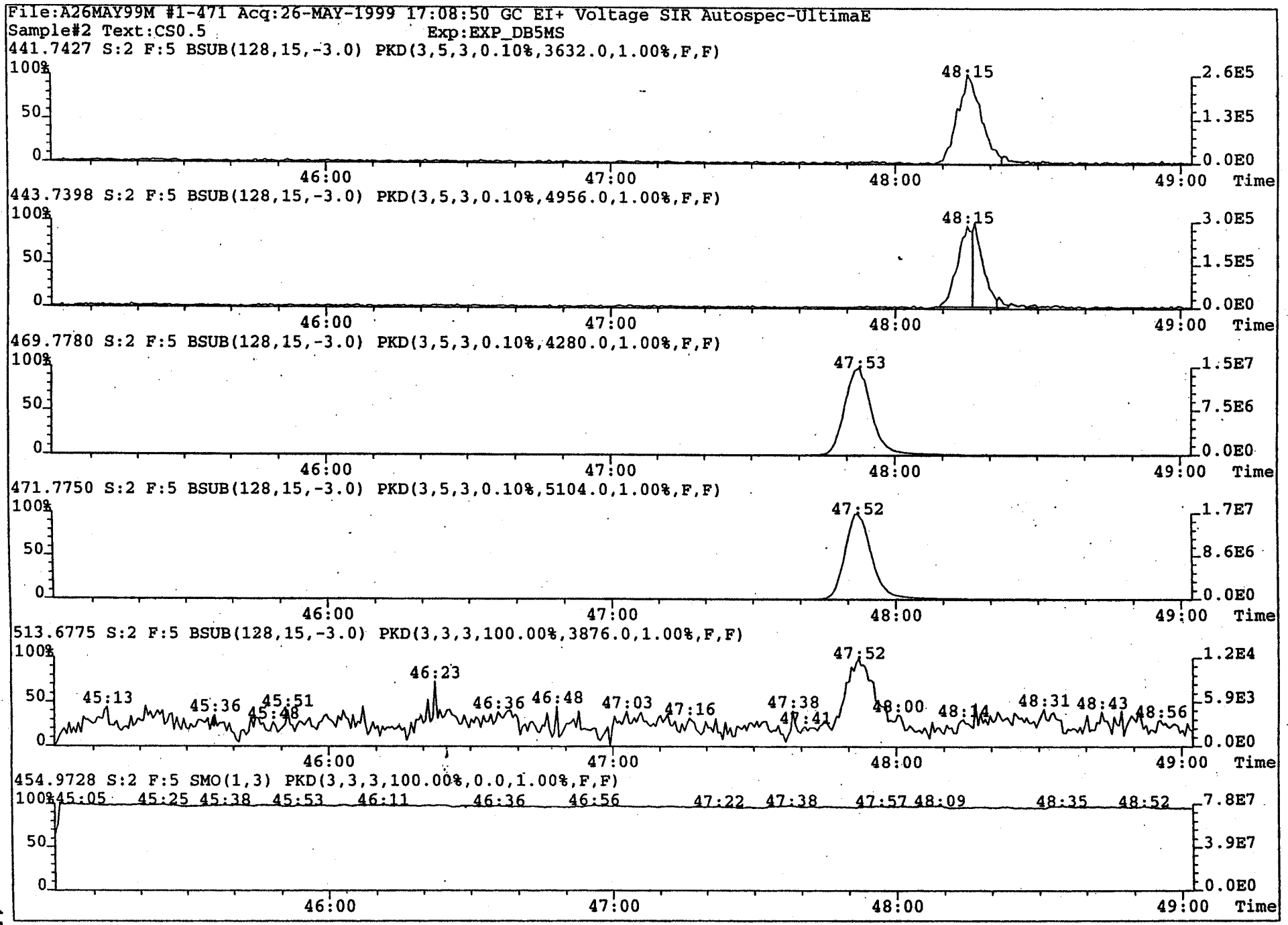

File:A26MAY99M #1-471 Acq:26-MAY-1999 17:08:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CS0.5
Exp:EXP_DB5MS
457.7377 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,7204.0,1.00%,F,F)
47:53
48:12
48:55
2.3E5
1.2E5
0.0E0
459.7348 S:2 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4964.0,1.00%,F,F)
47:53
2.5E5
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
29:05
29:01
29:19
29:41
30:05
31:01
31:23
31:50
32:09
32:46
33:08
33:39
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
37:47
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
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

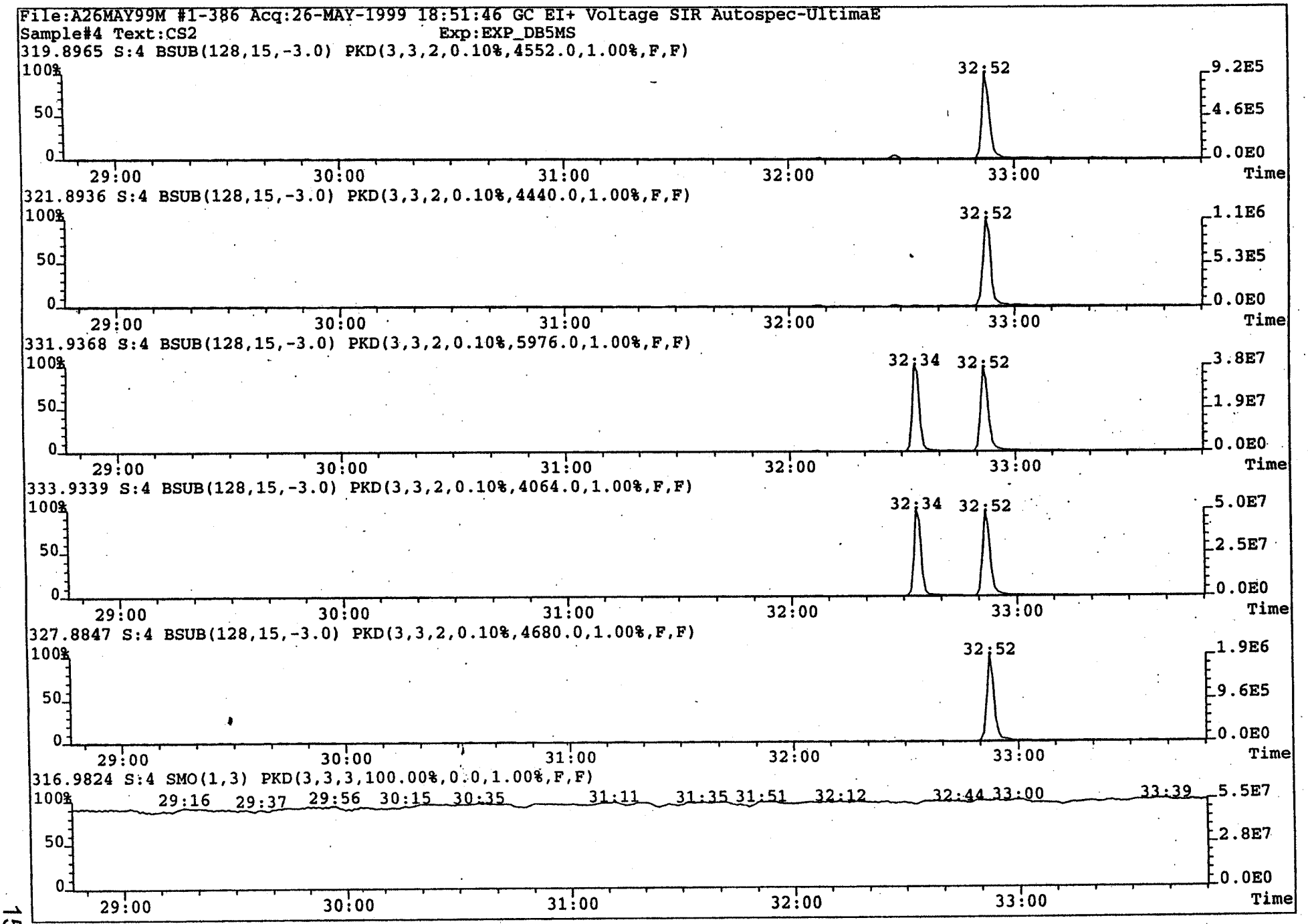
Run #2 Filename a26may99m S: 4 I: 1 Acquired: 26-MAY-99 18:51:46 Processed: 9-JUN-99 10:37:16
Run: Analyte: m1613-060» Cal: Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS2 Comments:

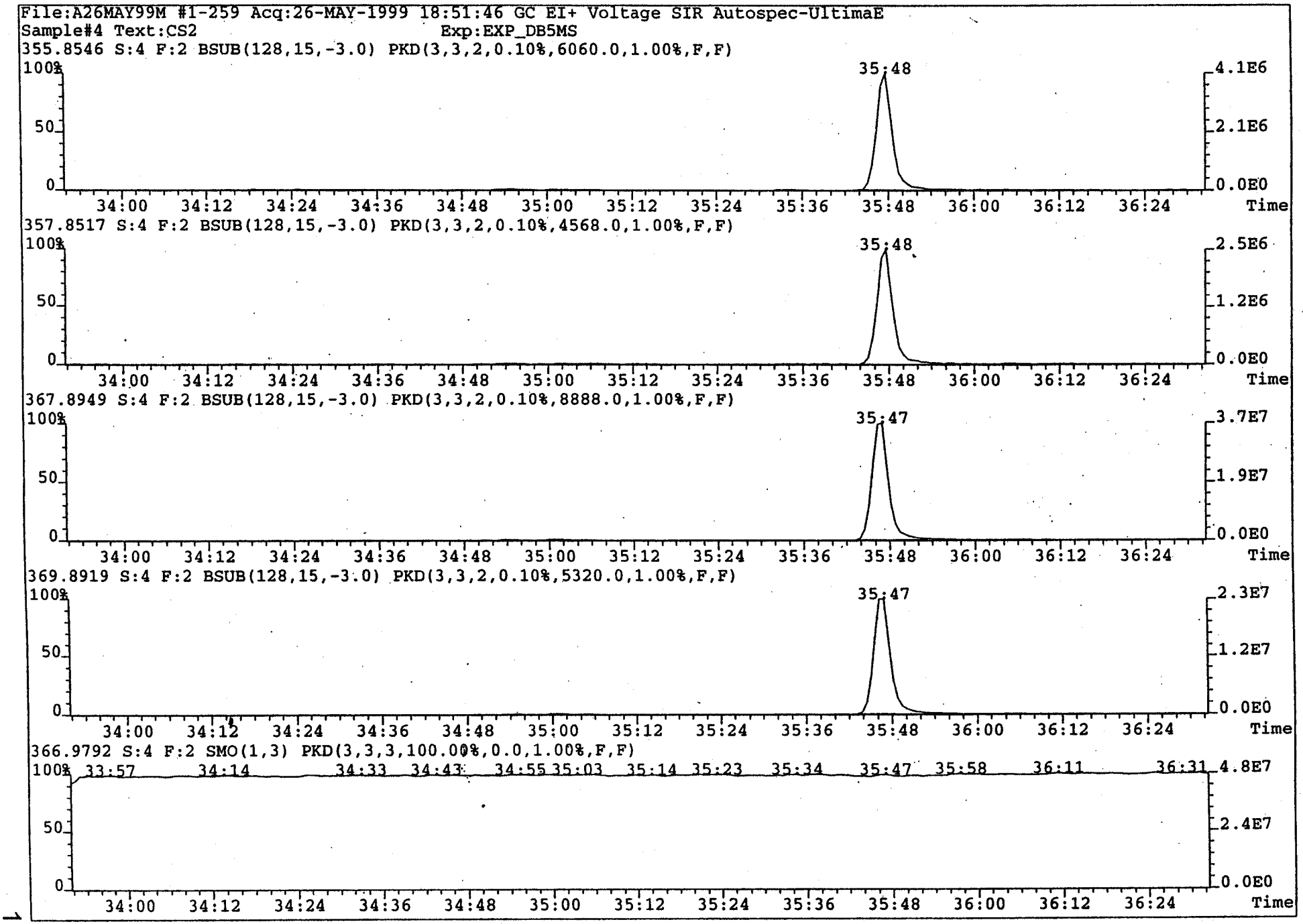
	Typ	Name	Amount	Resp	RA	RT	RF	RRF		Modified?
1	Unk	2,3,7,8-TCDD	2.00	4.43e+06	0.81 y	32:52	-	1.13	y	n
2	Unk	1,2,3,7,8-PeCDD	10.00	1.68e+07	1.64 y	35:48	-	1.05	y	n
3	Unk	1,2,3,4,7,8-HxCDD	10.00	1.41e+07	1.15 y	38:45	-	1.15	y	n
4	Unk	1,2,3,6,7,8-HxCDD	10.00	1.32e+07	1.11 y	38:50	-	0.95	y	n
5	Unk	1,2,3,7,8,9-HxCDD	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

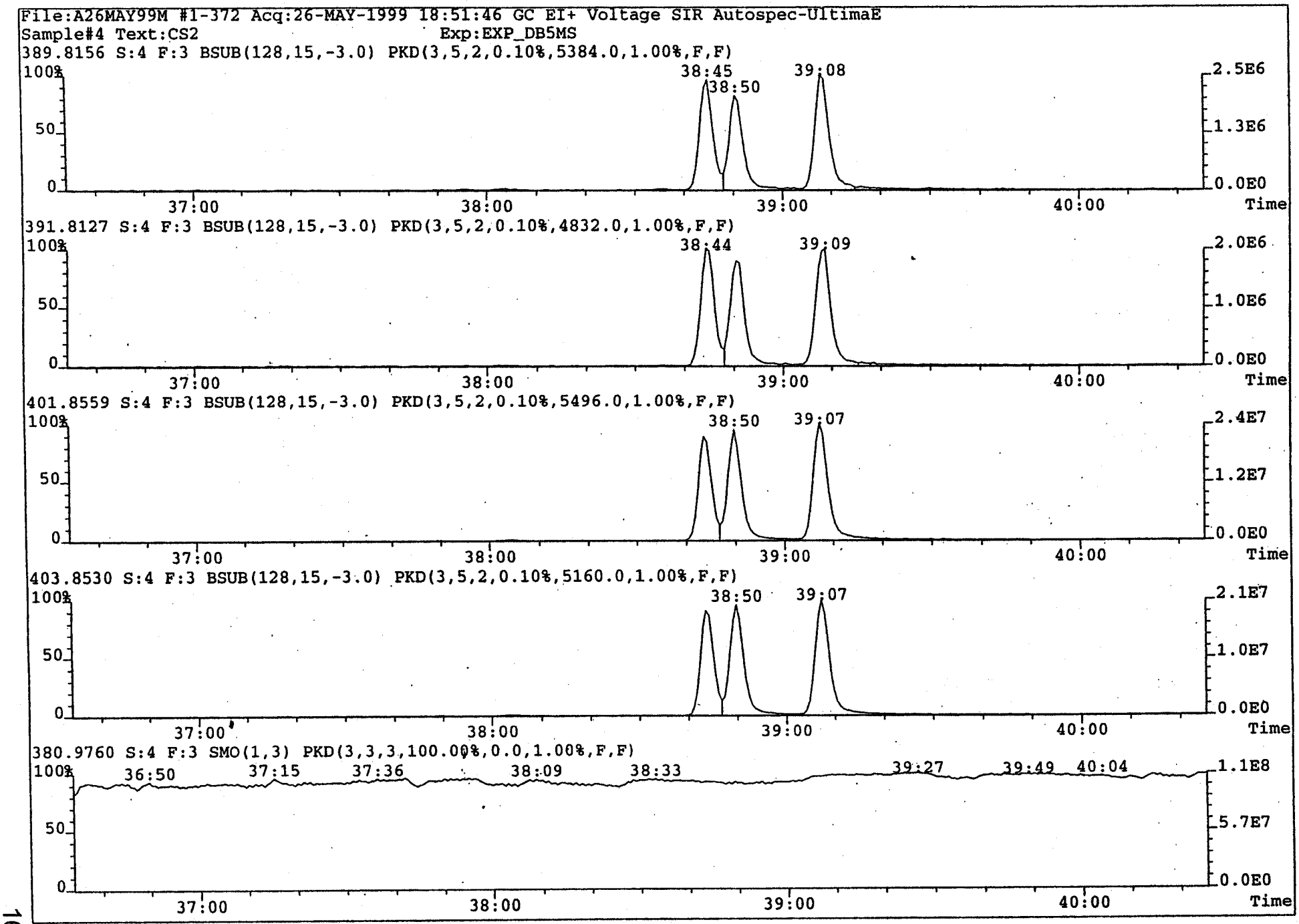
$RRF = \frac{1.58 \times 10^7 \times 100}{10 \times \frac{(1.22 \times 10^8 + 1.40 \times 10^8)}{2}}$

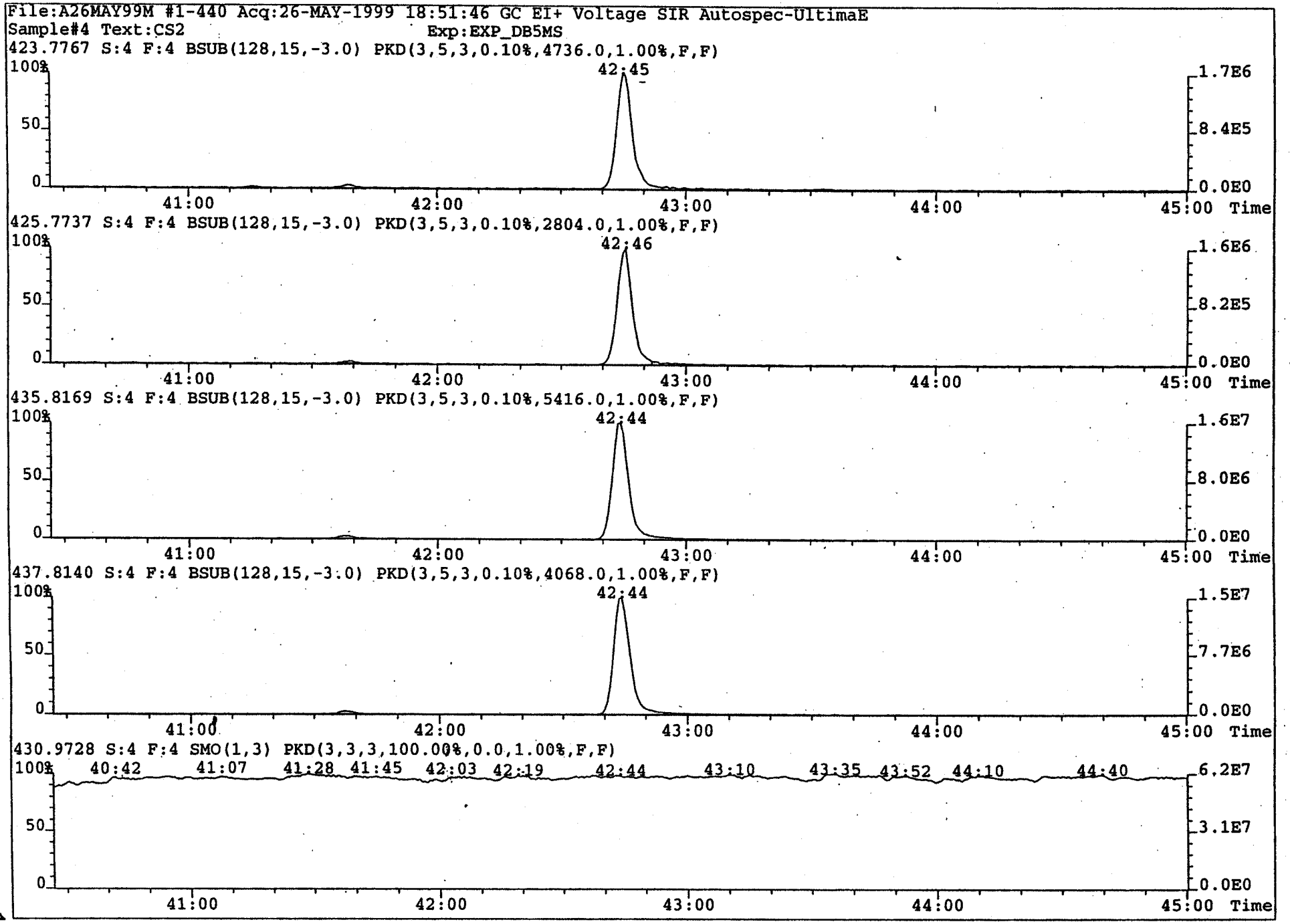
1.31×10^8

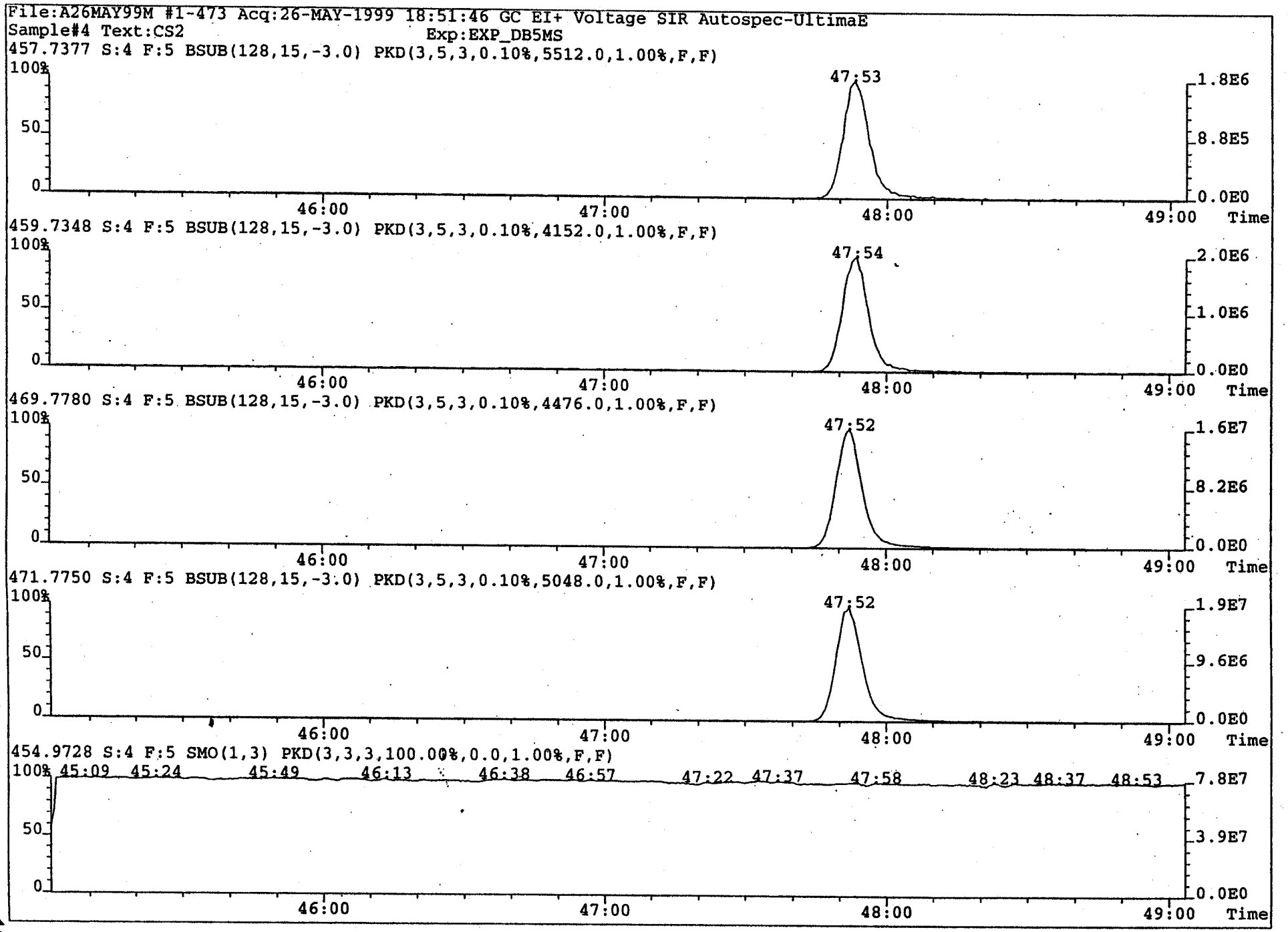
$= 1.21$ OK

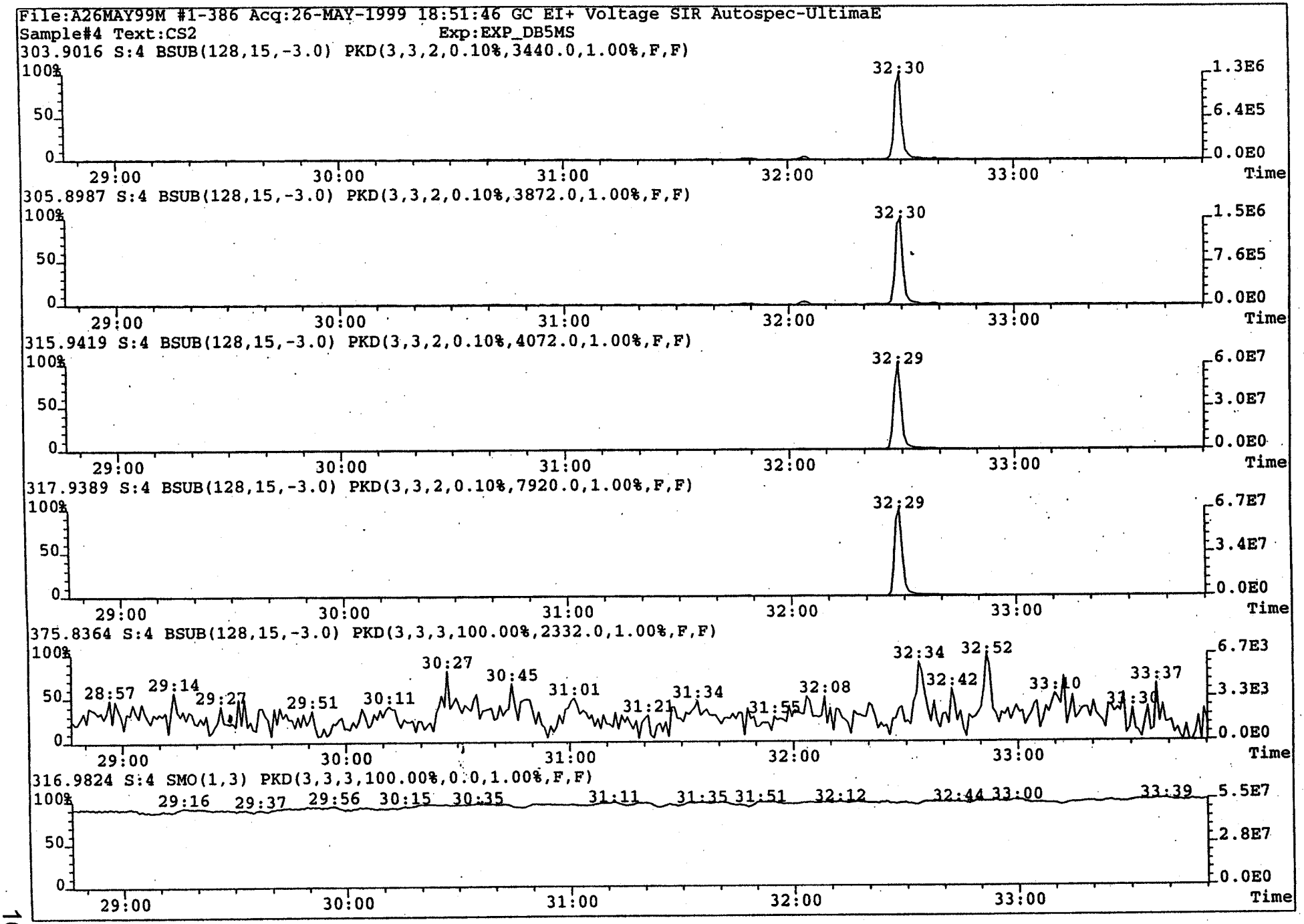

File:A26MAY99M #1-386 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
319.8965 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4552.0,1.00%,F,F)
32:52
9.2E5
4.6E5
0.0E0
321.8936 S:4 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4440.0,1.00%,F,F)
32:52
1.1E6
5.3E5
0.0E0
331.9368 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

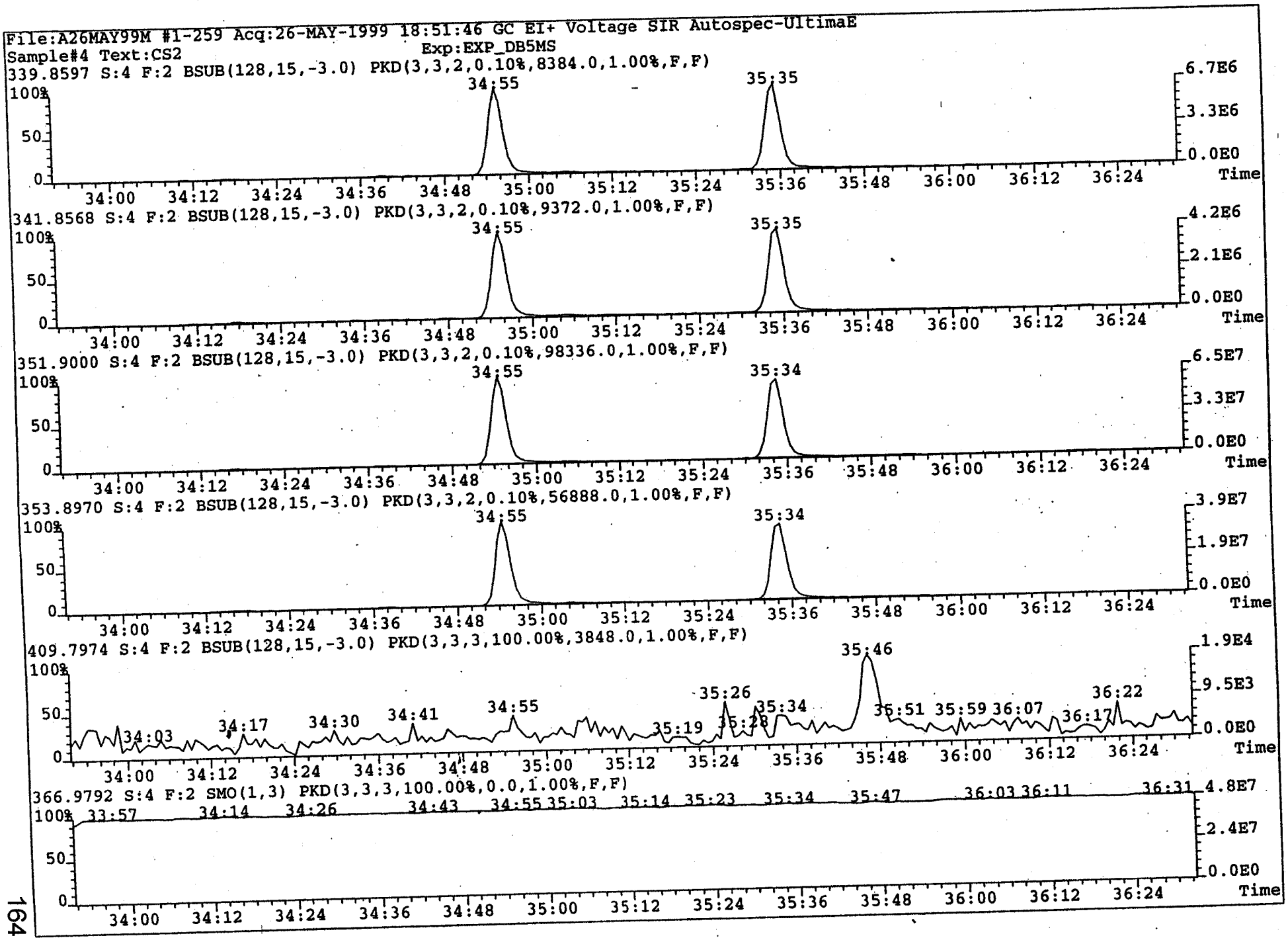

File:A26MAY99M #1-259 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
355.8546 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,6060.0,1.00%,F,F)
35:48
4.1E6
2.1E6
0.0E0
357.8517 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4568.0,1.00%,F,F)
35:48
2.5E6
1.2E6
0.0E0
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

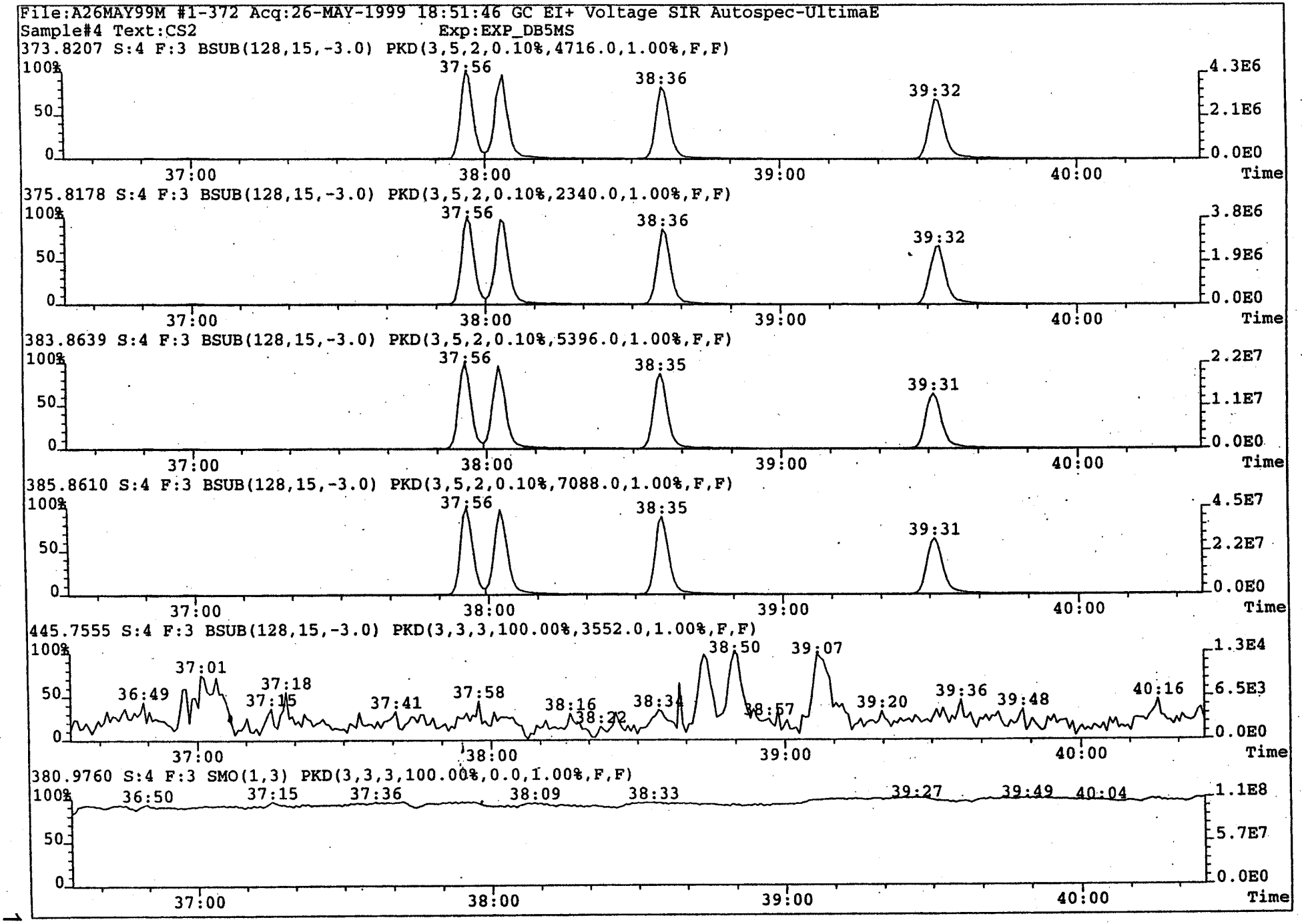

File:A26MAY99M #1-372 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
389.8156 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5384.0,1.00%,F,F)
38:45
38:50
39:08
2.5E6
1.3E6
0.0E0
391.8127 S:4 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4832.0,1.00%,F,F)
38:44
39:09
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

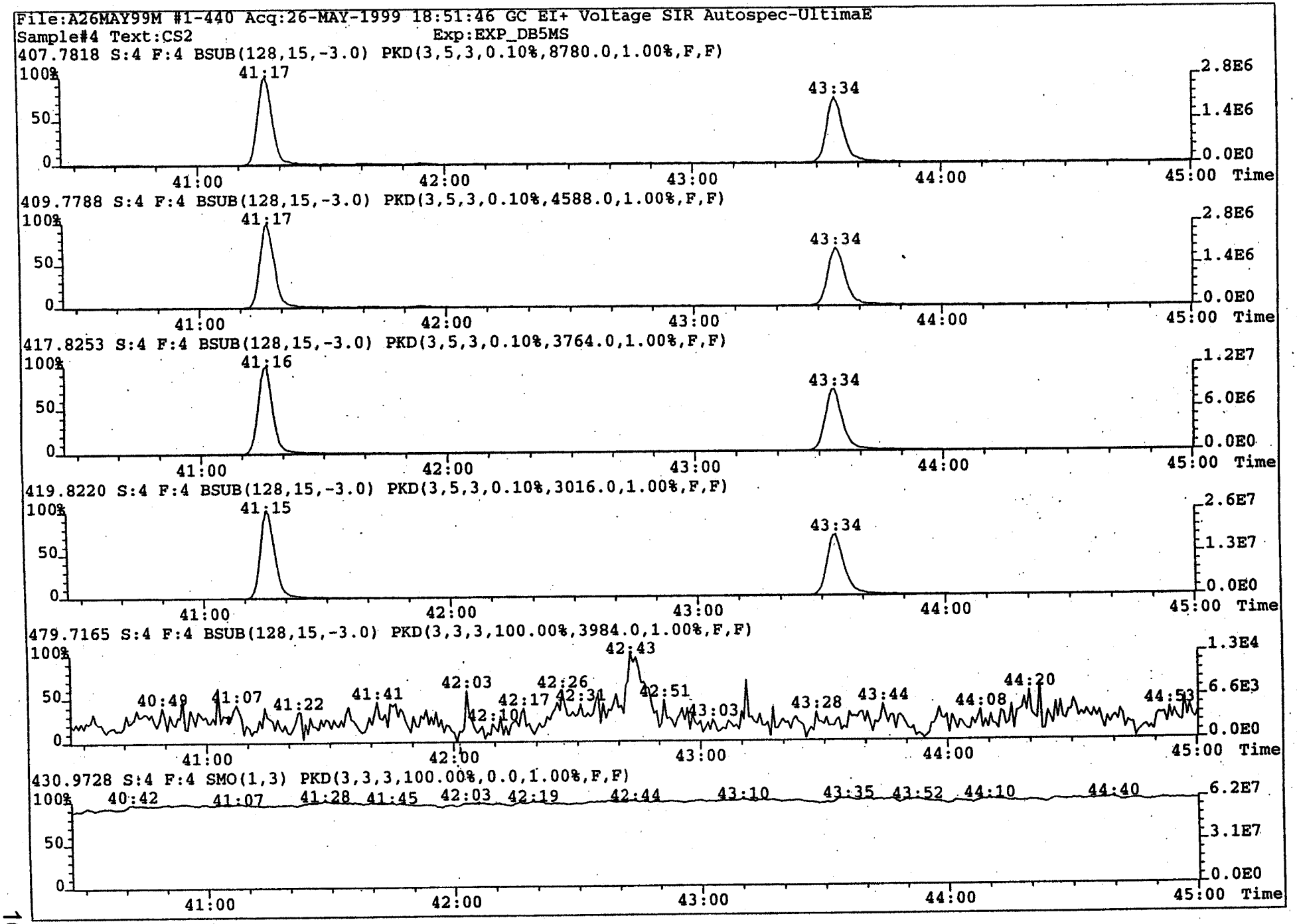

File:A26MAY99M #1-440 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
423.7767 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4736.0,1.00%,F,F)
42:45
1.7E6
8.4E5
0.0E0
425.7737 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2804.0,1.00%,F,F)
42:46
1.6E6
8.2E5
0.0E0
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

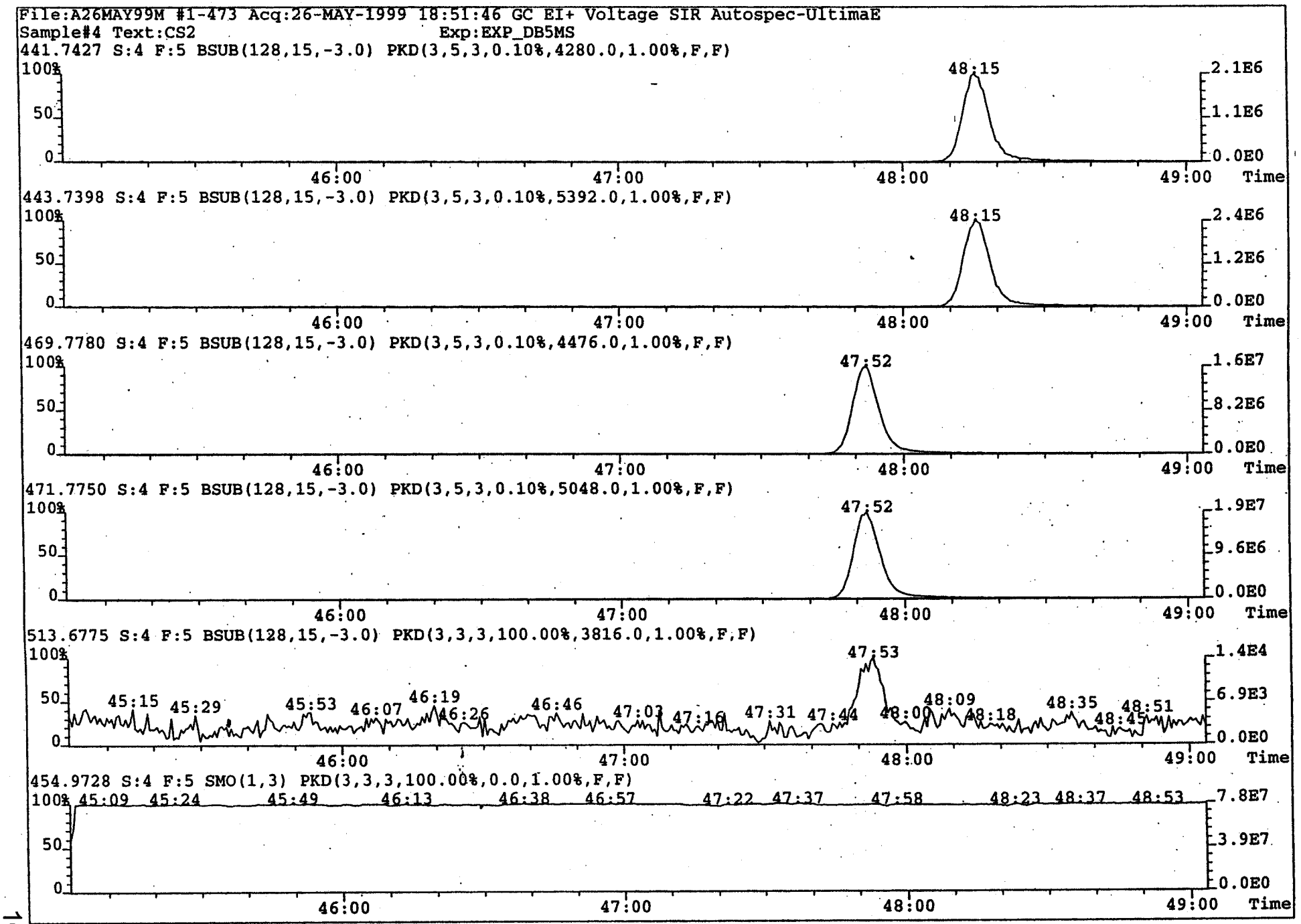

File:A26MAY99M #1-473 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2
Exp:EXP_DB5MS
457.7377 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5512.0,1.00%,F,F)
47:53
1.8E6
8.8E5
0.0E0
459.7348 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4152.0,1.00%,F,F)
47:54
2.0E6
1.0E6
0.0E0
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 33:37
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)
34:55
35:35
6.7E6
3.3E6
0.0E0
341.8568 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,9372.0,1.00%,F,F)
34:55
35:35
4.2E6
2.1E6
0.0E0
351.9000 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,98336.0,1.00%,F,F)
34:55
35:34
6.5E7
3.3E7
0.0E0
353.8970 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,56888.0,1.00%,F,F)
34:55
35:34
3.9E7
1.9E7
0.0E0
409.7974 S:4 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3848.0,1.00%,F,F)
34:03
34:17
34:30
34:41
34:55
35:19
35:26
35:28
35:34
35:46
35:51
35:59
36:07
36:17
36:22
1.9E4
9.5E3
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
34:26
34:43
34:55
35:03
35:14
35:23
35:34
35:47
36:03
36:11
36:31
4.8E7
2.4E7
0.0E0
100%
50
0
Time
34:00
34:12
34:24
34:36
34:48
35:00
35:12
35:24
35:36
35:48
36:00
36:12
36:24


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

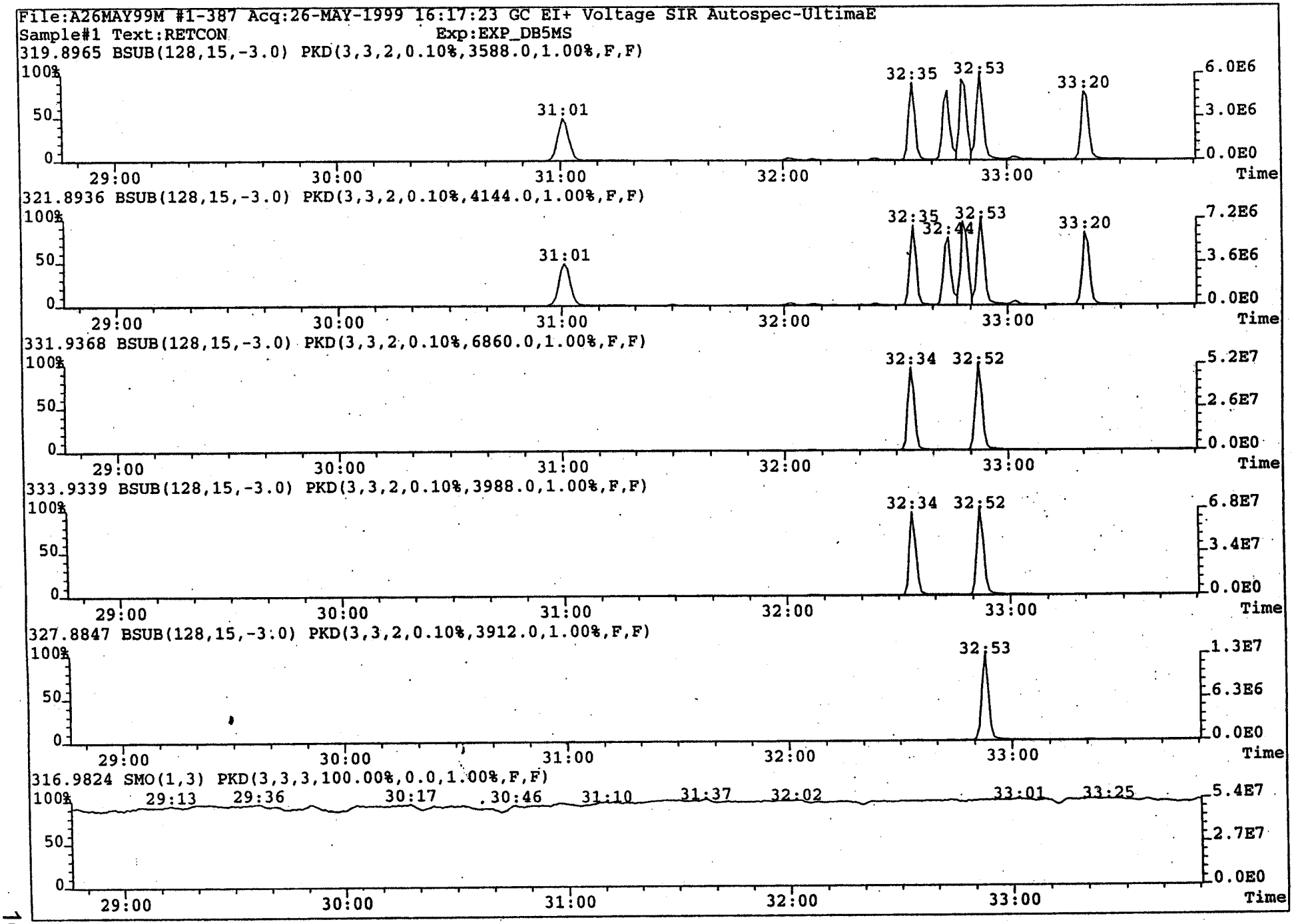

File:A26MAY99M #1-440 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
407.7818 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8780.0,1.00%,F,F)
41:17
43:34
2.8E6
1.4E6
0.0E0
409.7788 S:4 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4588.0,1.00%,F,F)
41:17
43:34
2.8E6
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

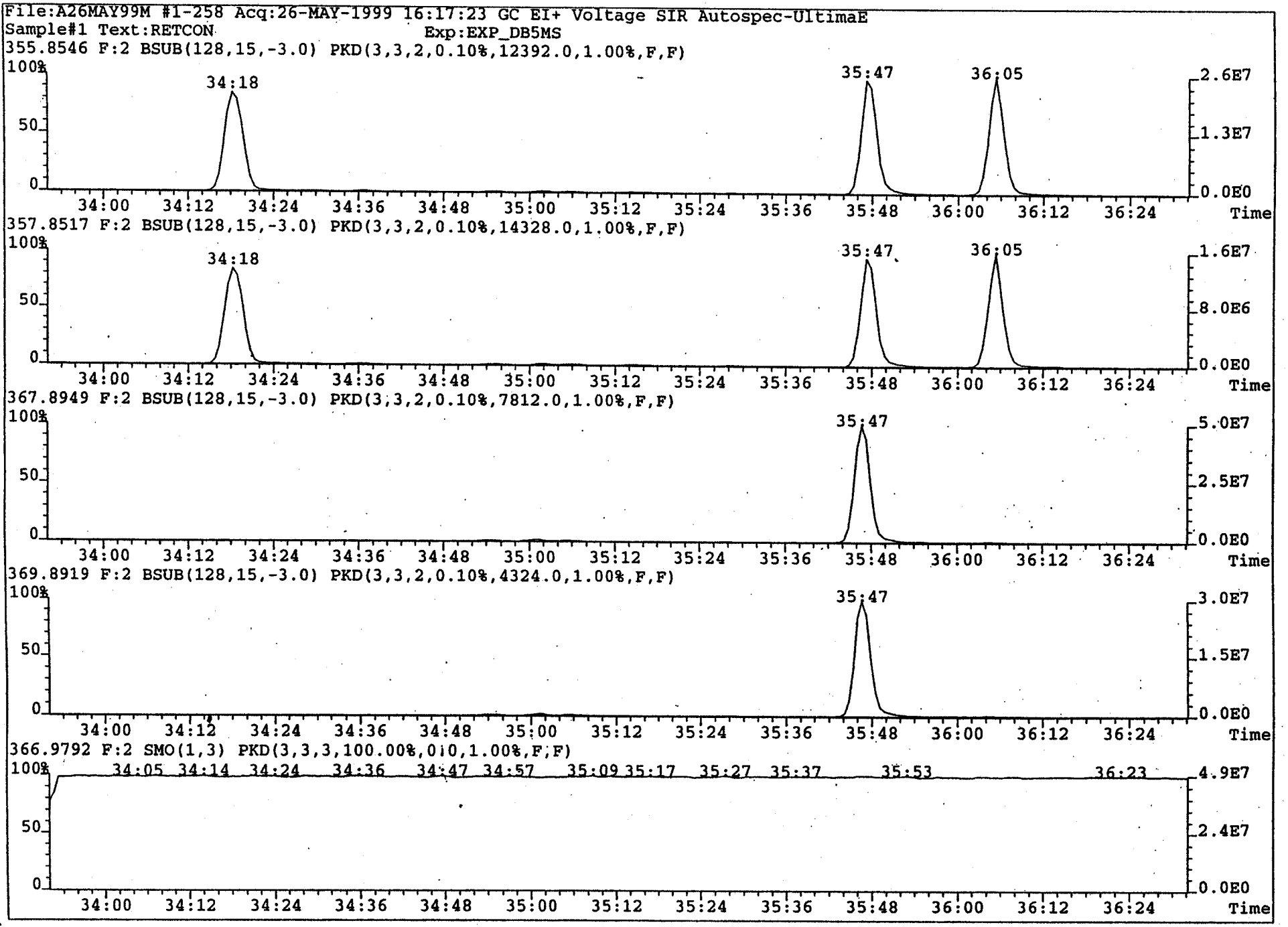

File:A26MAY99M #1-473 Acq:26-MAY-1999 18:51:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:CS2 Exp:EXP_DB5MS
441.7427 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4280.0,1.00%,F,F)
48:15
2.1E6
1.1E6
0.0E0
443.7398 S:4 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5392.0,1.00%,F,F)
48:15
2.4E6
1.2E6
0.0E0
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
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 48:51
1.4E4
6.9E3
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

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:

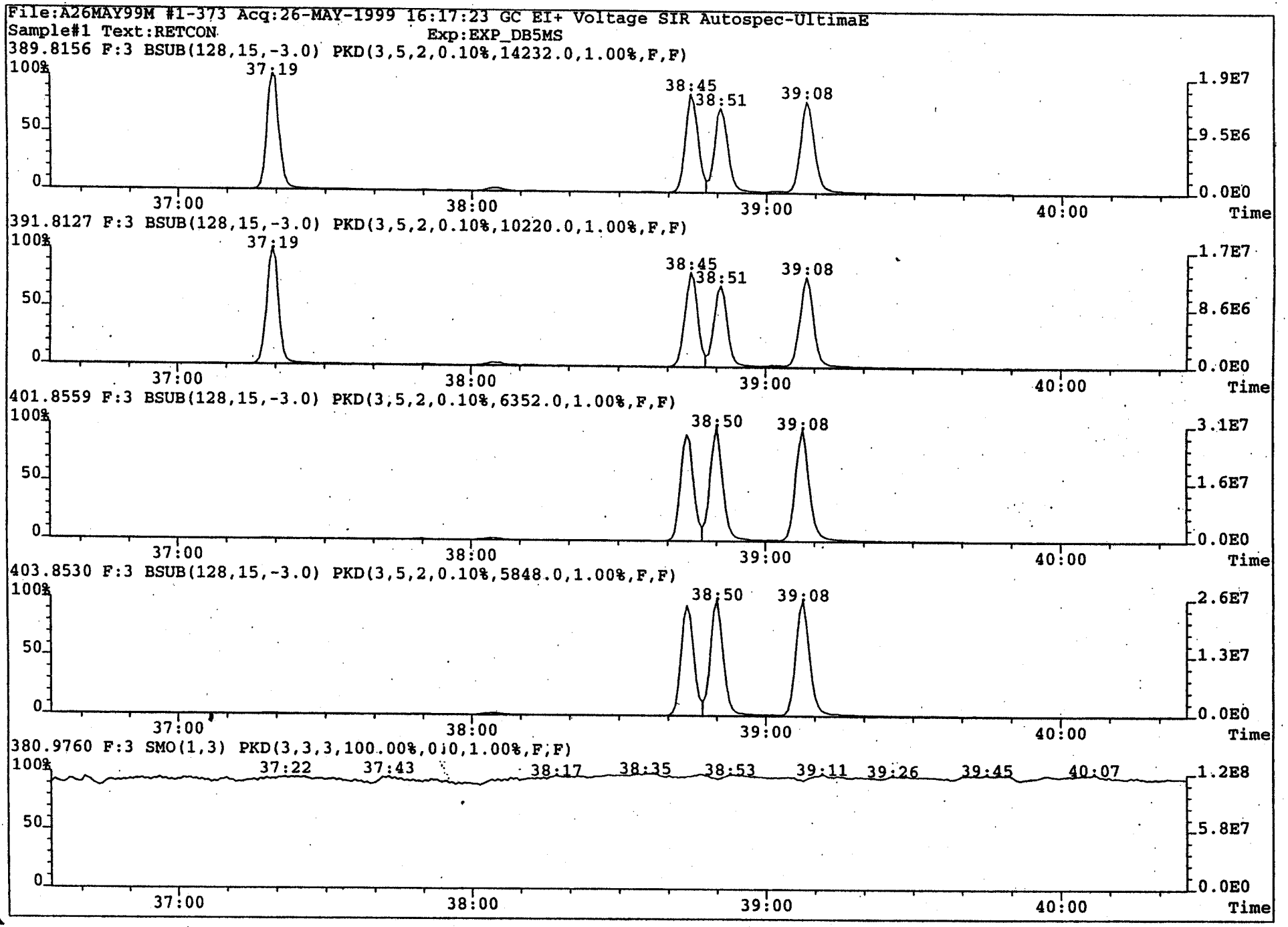
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?	
1	Unk	2,3,7,8-TCDD	10.00	2.85e+07	0.82	y	32:53	-	1.17	y	n	
2	Unk	1,2,3,7,8-PeCDD	50.00	1.02e+08	1.67	y	35:47	-	1.01	y	n	
3	Unk	1,2,3,4,7,8-HxCDD	50.00	8.92e+07	1.15	y	38:45	-	1.11	y	n	
4	Unk	1,2,3,6,7,8-HxCDD	50.00	8.38e+07	1.16	y	38:51	-	0.97	y	n	
5	Unk	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	

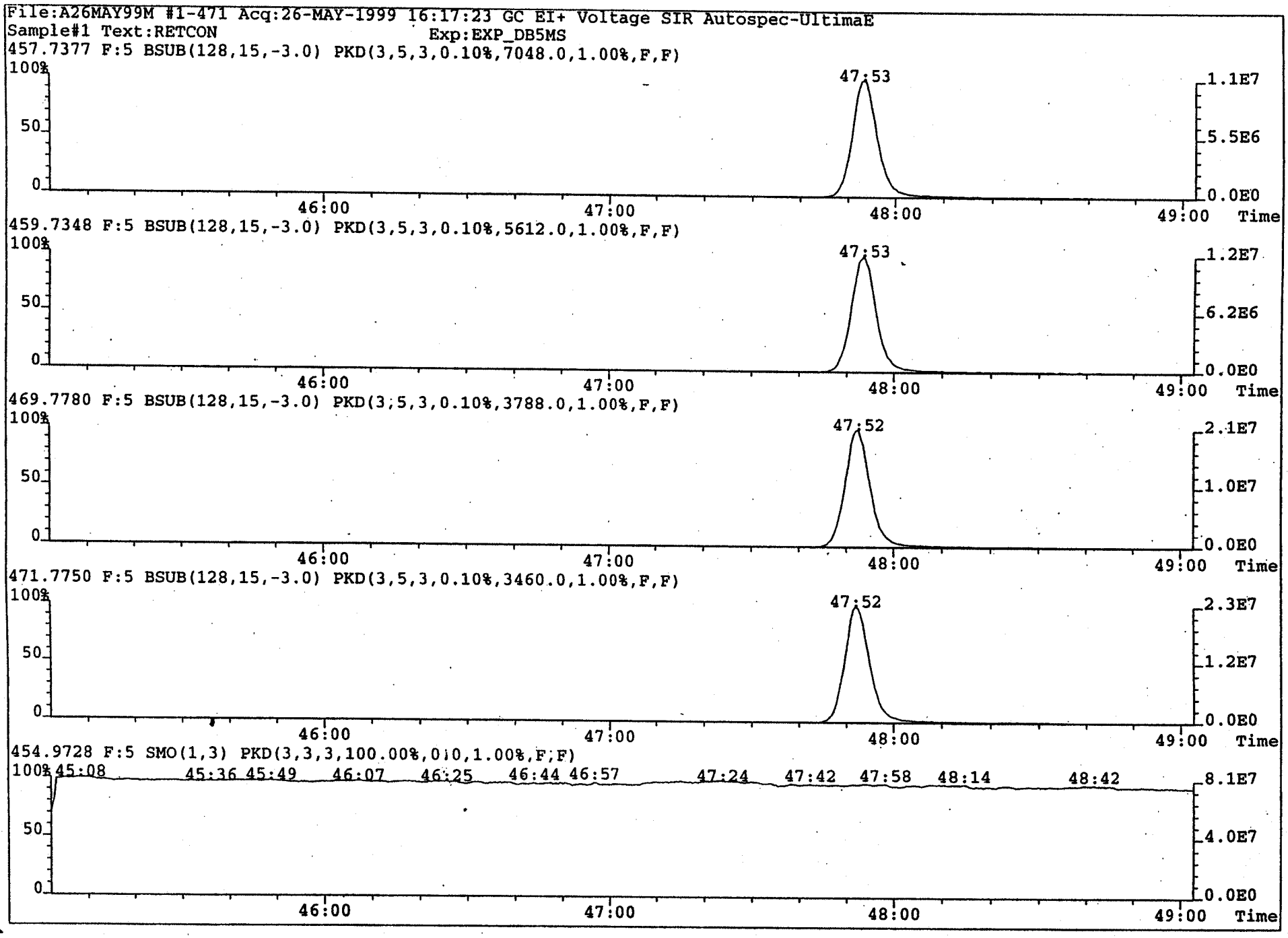
$RRF = \frac{1.62 \times 10^8 \times 100}{50 \times 2.91 \times 10^8} = 1.11$ OK

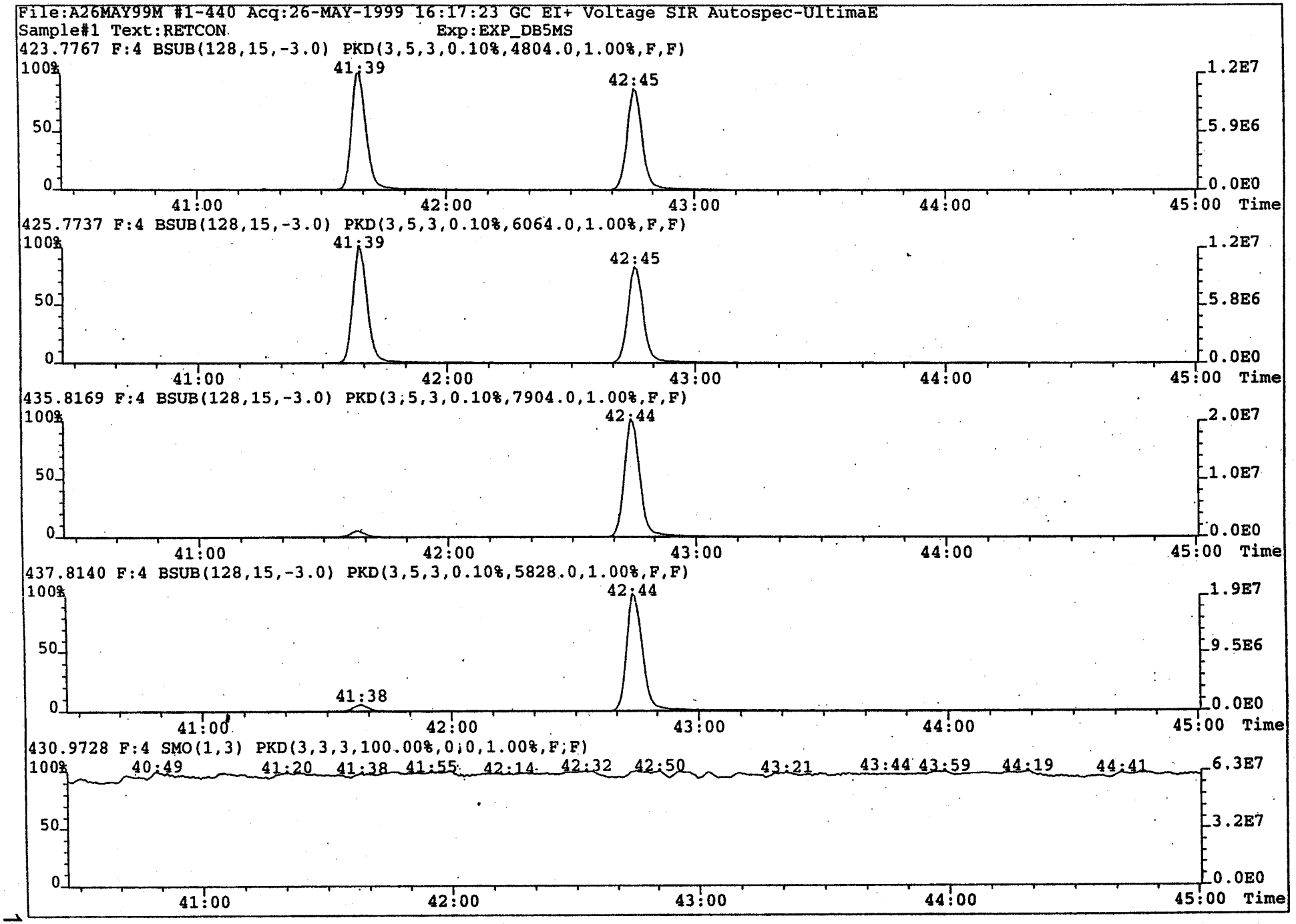

File:A26MAY99M #1-387 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
319.8965 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3588.0,1.00%,F,F)
31:01
32:35
32:53
33:20
6.0E6
3.0E6
0.0E0
321.8936 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4144.0,1.00%,F,F)
31:01
32:35
32:44
32:53
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

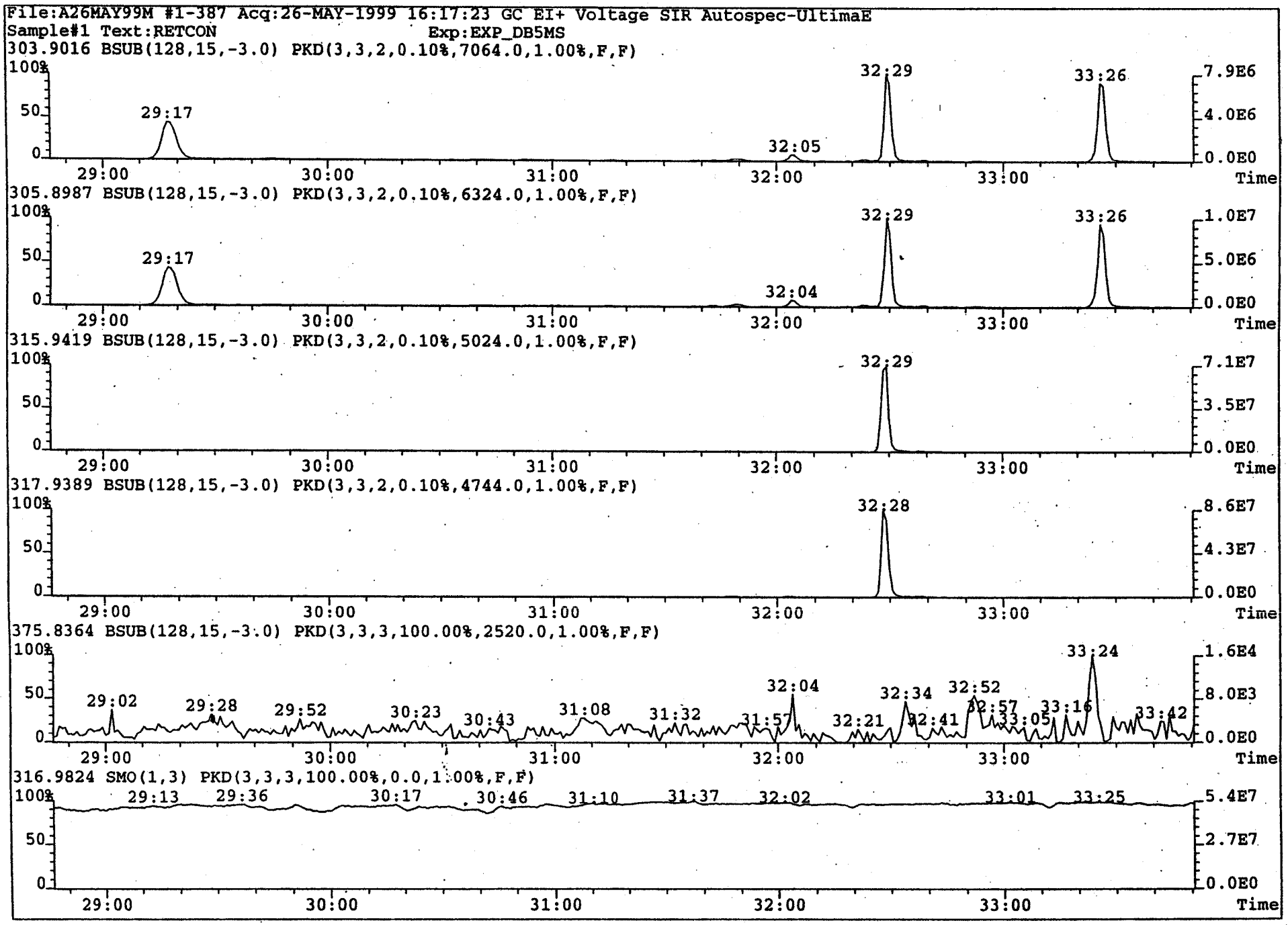

File:A26MAY99M #1-258 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
355.8546 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,12392.0,1.00%,F,F)
34:18
35:47
36:05
2.6E7
1.3E7
0.0E0
357.8517 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,14328.0,1.00%,F,F)
34:18
35:47
36:05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

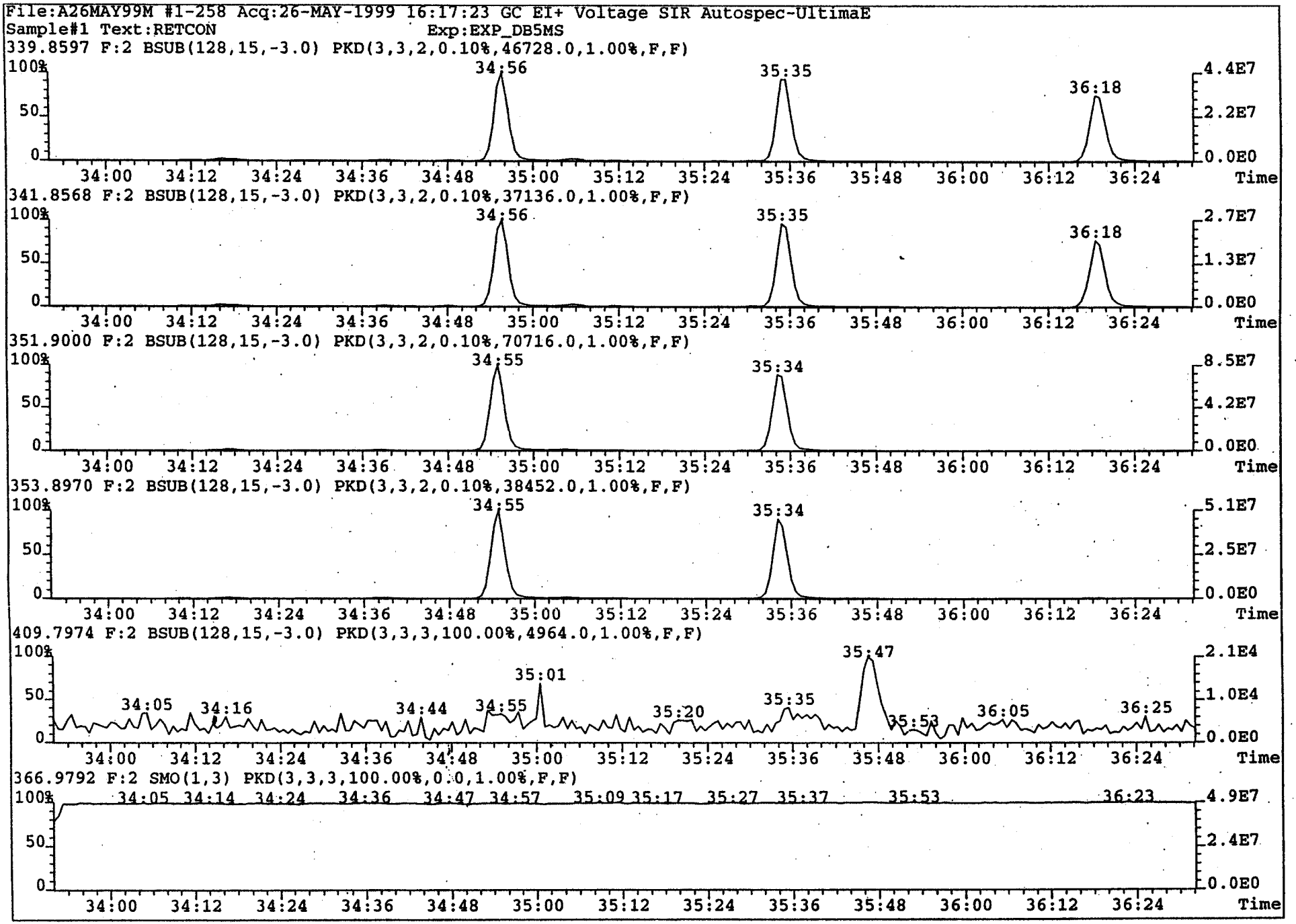
170

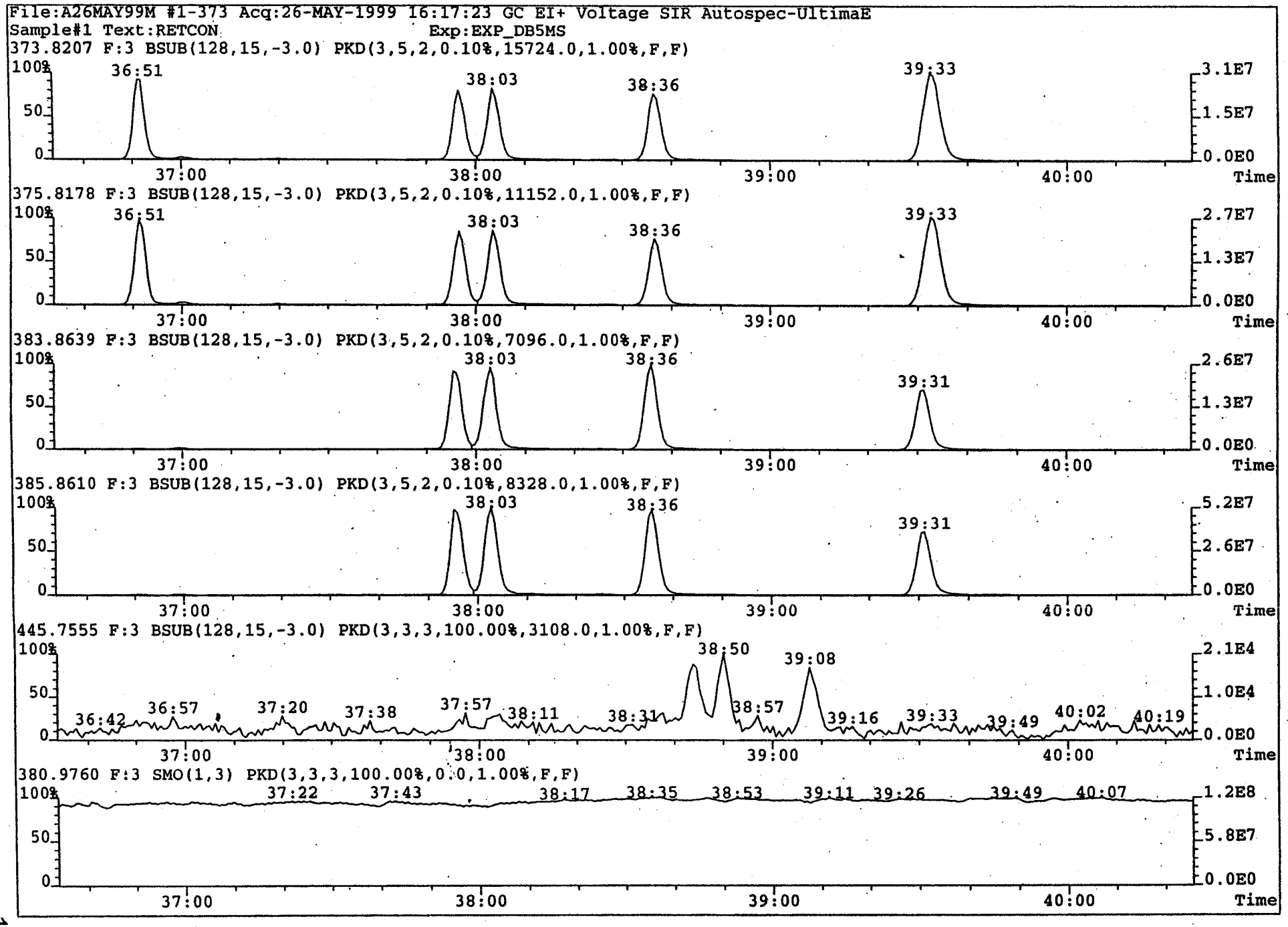

File:A26MAY99M #1-373 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
389.8156 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,14232.0,1.00%,F,F)
37:19
38:45
38:51
39:08
1.9E7
9.5E6
0.0E0
391.8127 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,10220.0,1.00%,F,F)
37:19
38:45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

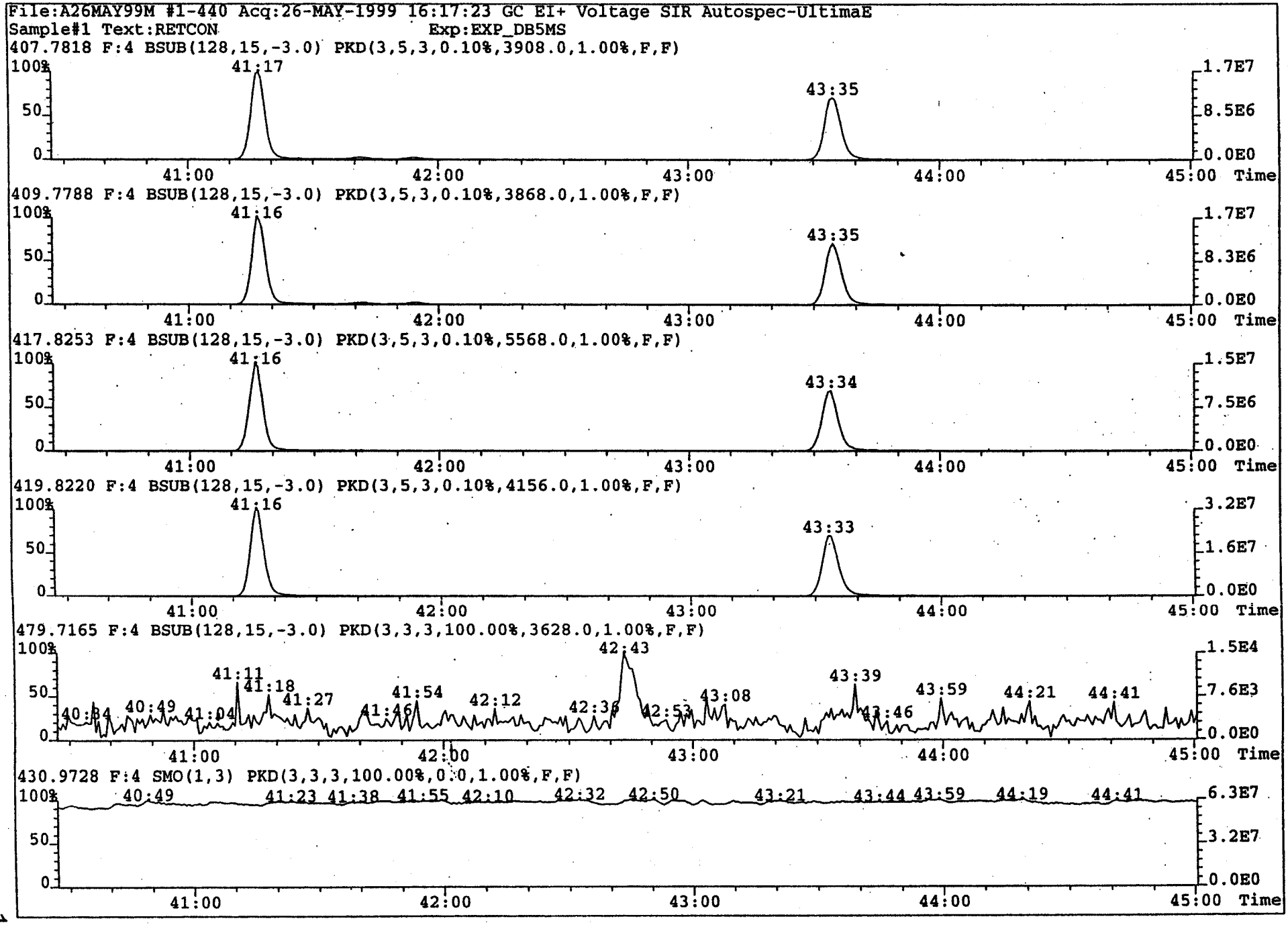

File:A26MAY99M #1-471 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
457.7377 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,7048.0,1.00%,F,F)
47:53
1.1E7
5.5E6
0.0E0
459.7348 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5612.0,1.00%,F,F)
47:53
1.2E7
6.2E6
0.0E0
469.7780 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
100%
50
0
46:00
47:00
48:00
49:00
Time

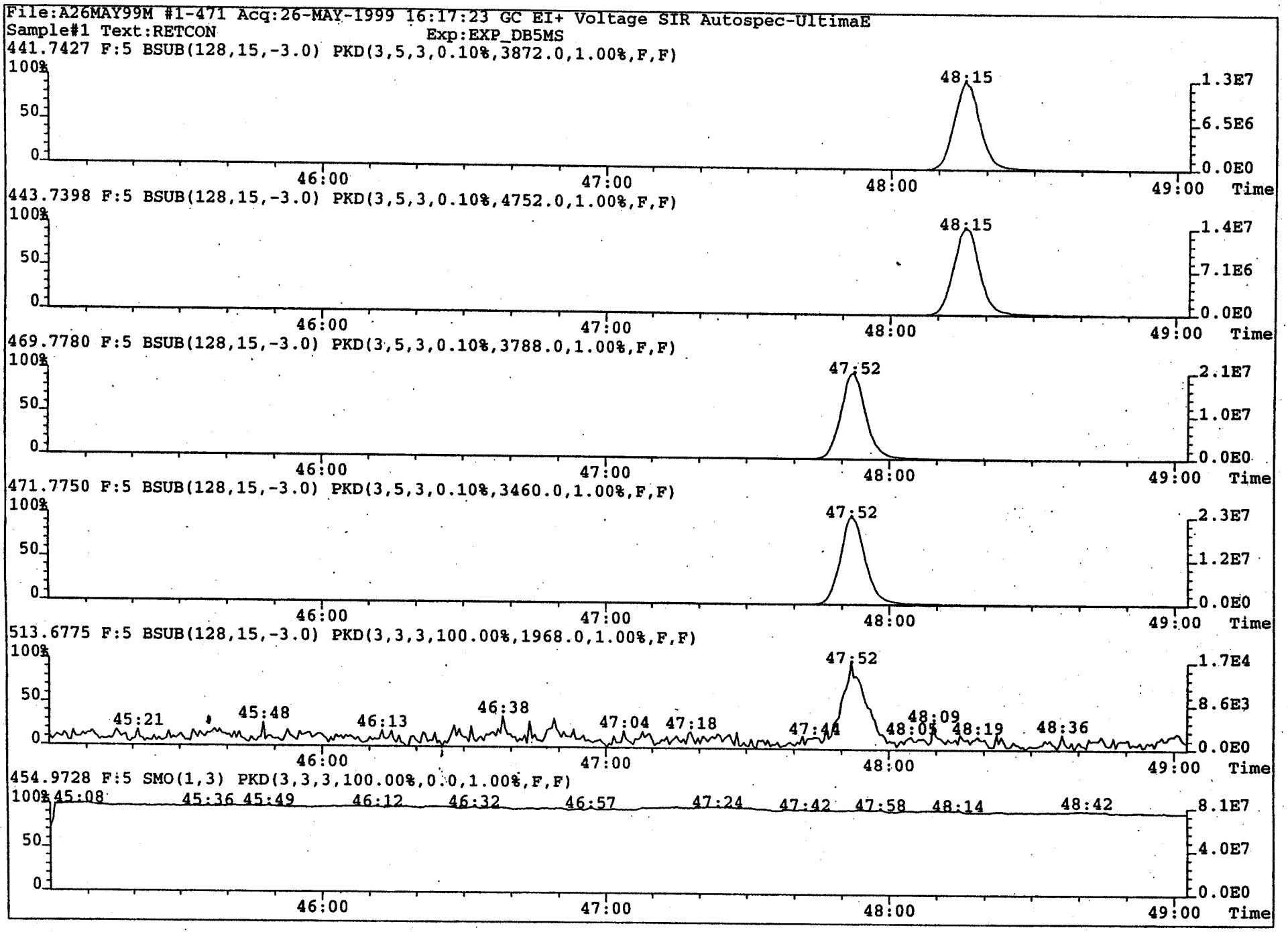

File:A26MAY99M #1-440 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
423.7767 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4804.0,1.00%,F,F)
41:39
42:45
1.2E7
5.9E6
0.0E0
425.7737 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6064.0,1.00%,F,F)
41:39
42:45
1.2E7
5.8E6
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


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
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
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
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
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
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
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
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)
38:50
39:08
36:42
36:57
37:20
37:38
37:57
38:11
38:31
38:57
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

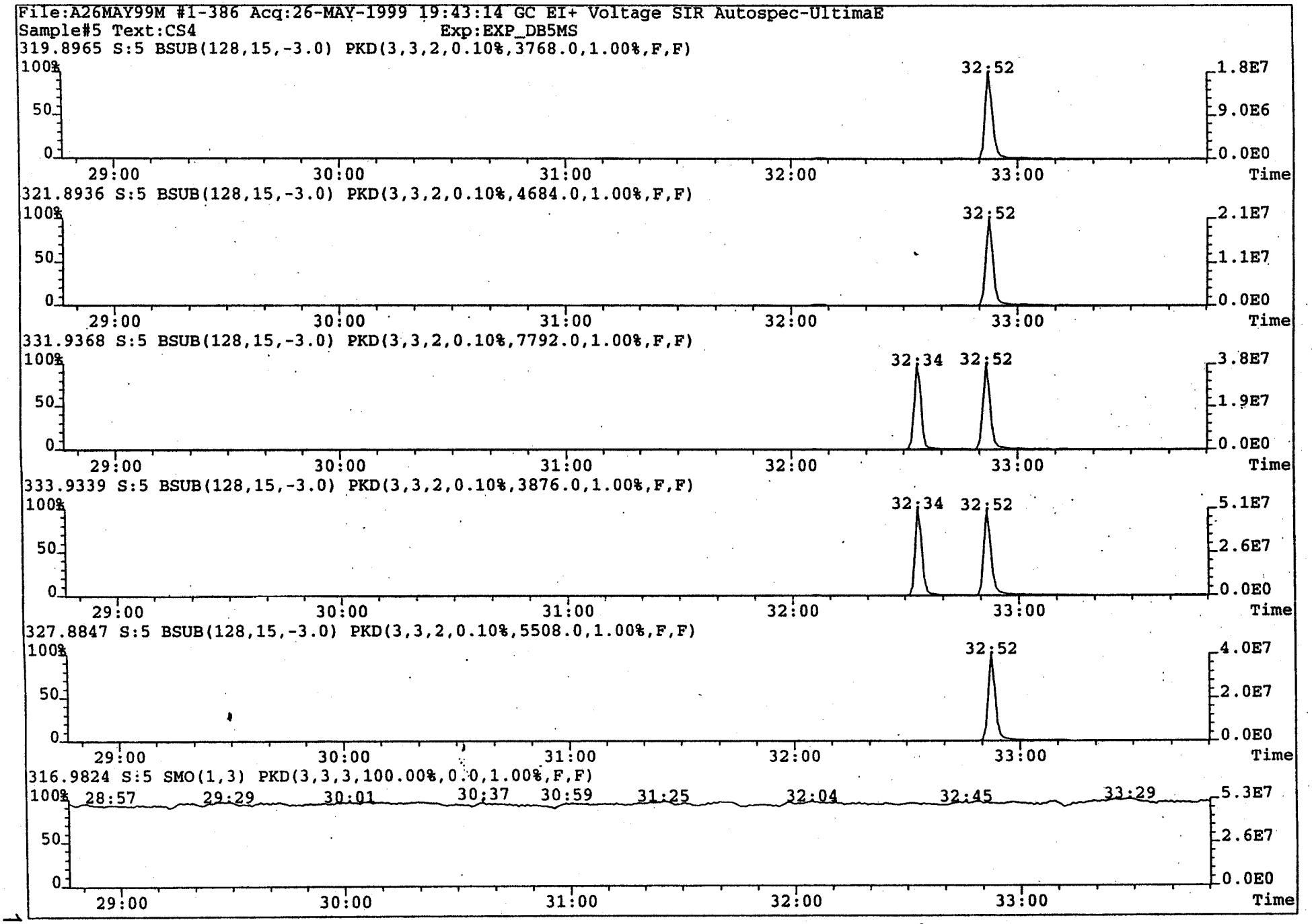

File:A26MAY99M #1-471 Acq:26-MAY-1999 16:17:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
441.7427 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3872.0,1.00%,F,F)
48:15
1.3E7
6.5E6
0.0E0
443.7398 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4752.0,1.00%,F,F)
48:15
1.4E7
7.1E6
0.0E0
469.7780 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
48:05
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

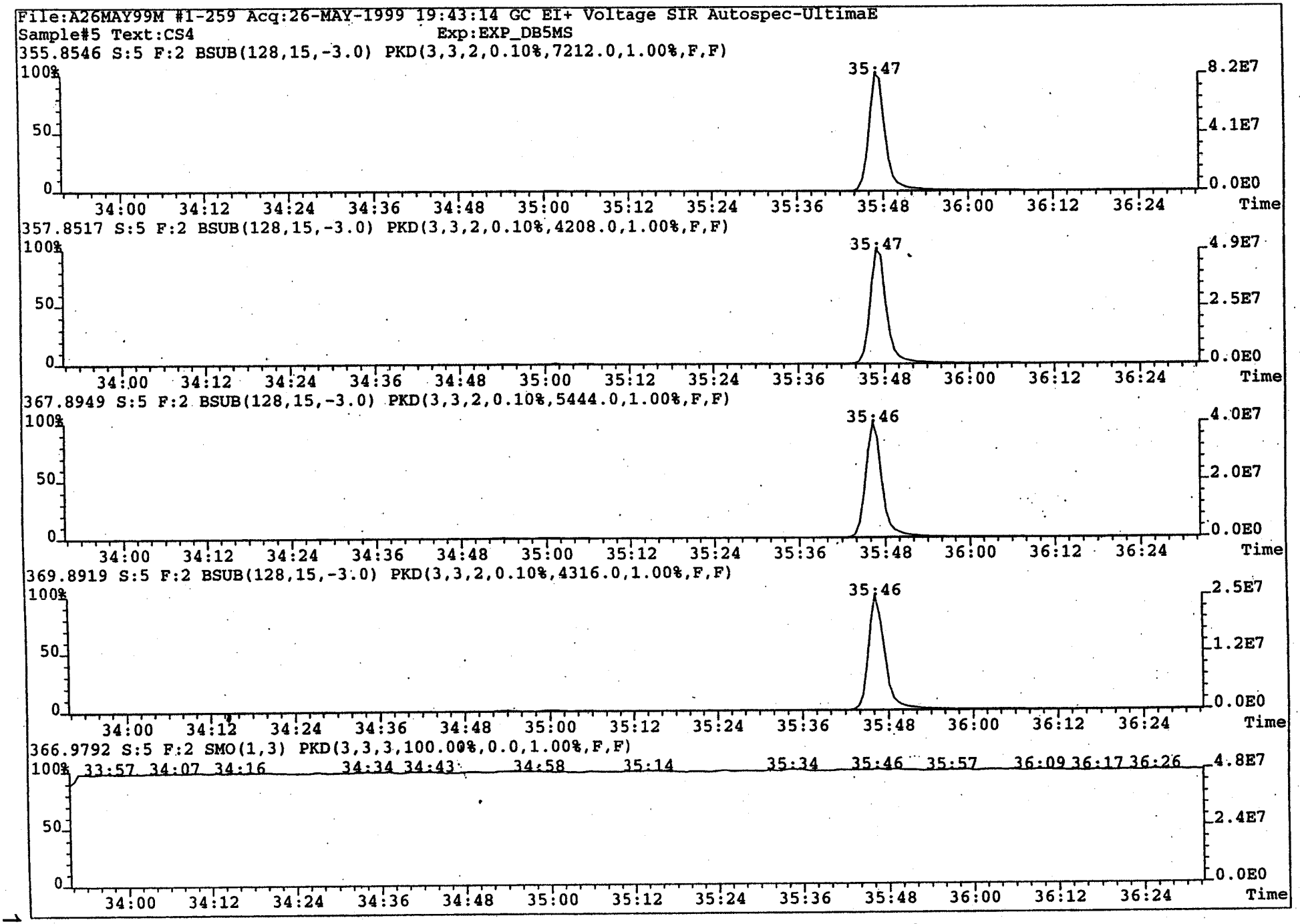
Run #4 Filename a26may99m S: 5 I: 1 Acquired: 26-MAY-99 19:43:14 Processed: 9-JUN-99 10:38:06
Run: Analyte: Cal: Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS4 Comments:

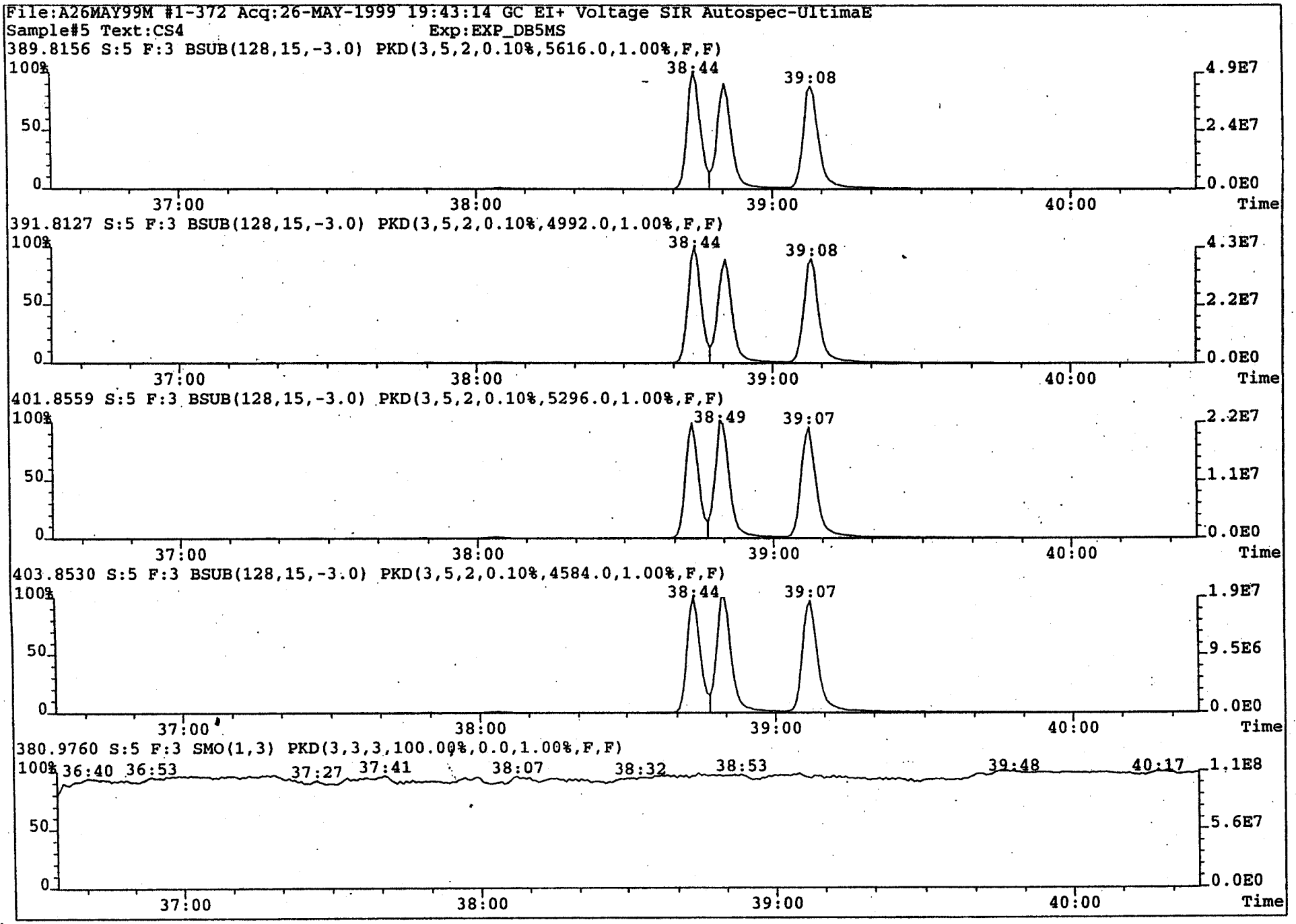
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?	
1	Unk	2,3,7,8-TCDD	40.00	8.65e+07	0.84	y	32:52	-	1.11	y	n	
2	Unk	1,2,3,7,8-PeCDD	200.00	3.38e+08	1.67	y	35:47	-	1.02	y	n	
3	Unk	1,2,3,4,7,8-HxCDD	200.00	2.78e+08	1.13	y	38:44	-	1.11	y	n	
4	Unk	1,2,3,6,7,8-HxCDD	200.00	2.79e+08	1.14	y	38:50	-	0.99	y	n	
5	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	

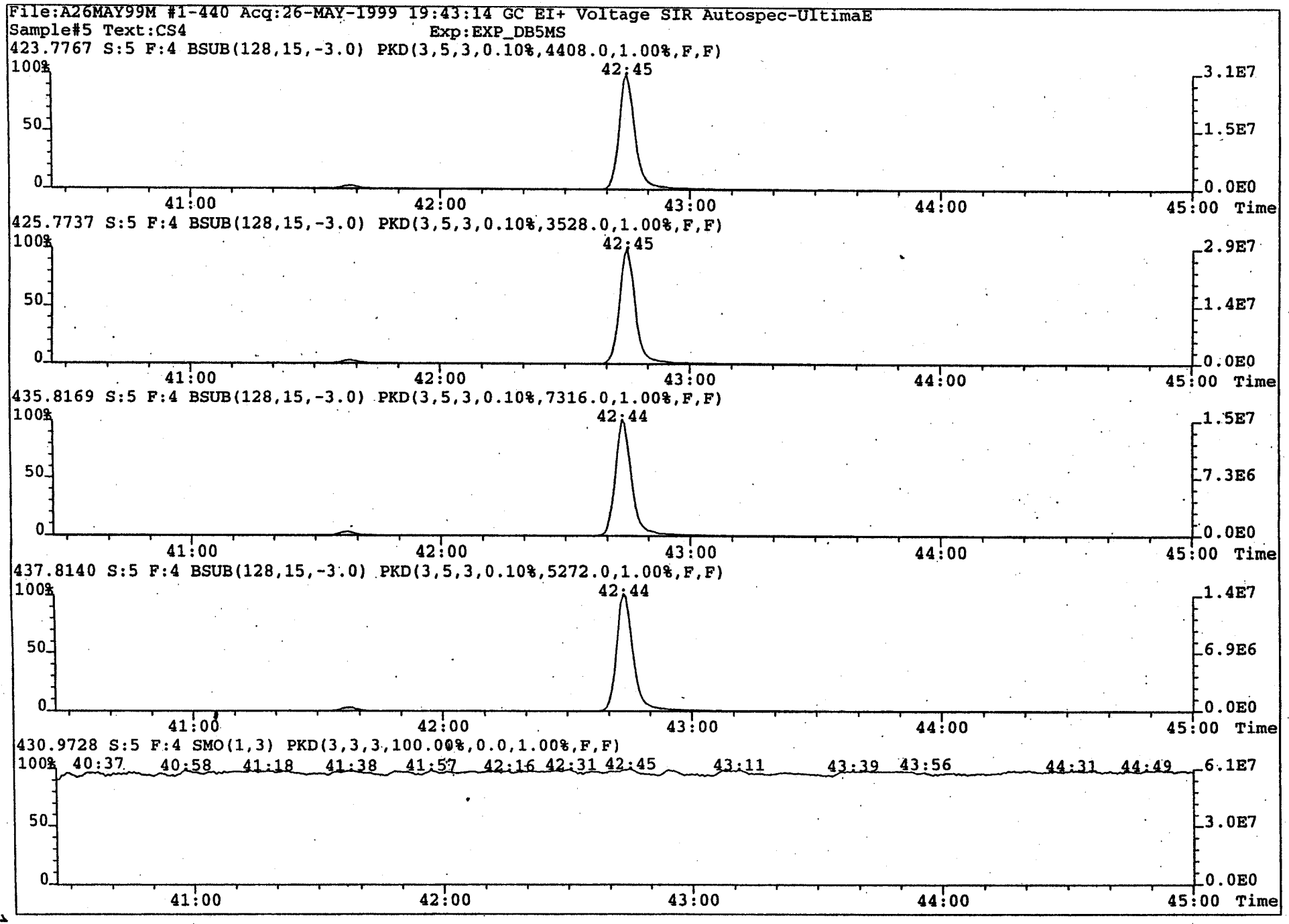
RRF = (4.66 10^8 / 200 × 100) / (1.97 10^8 × 100) = 1.18

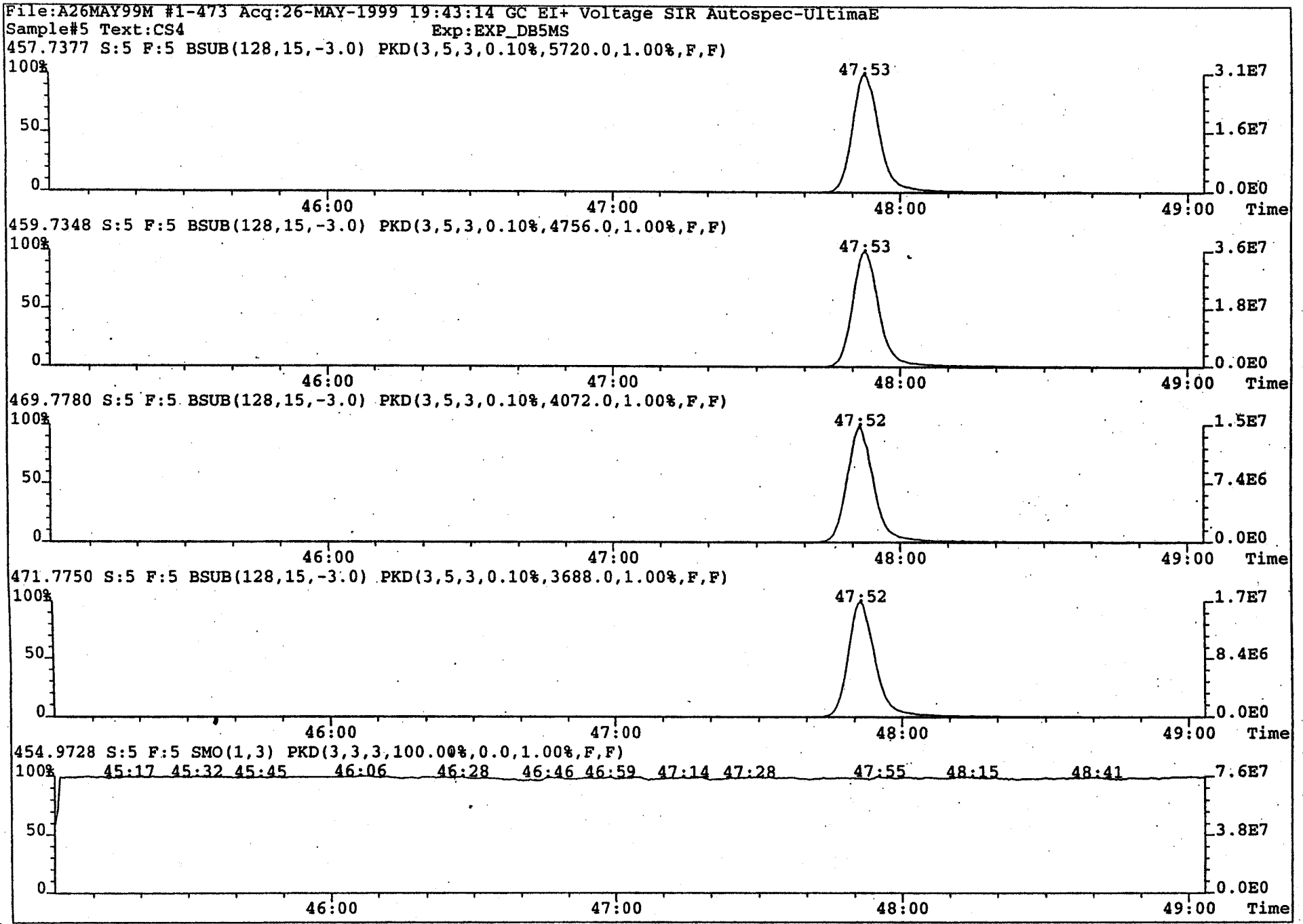
OK.

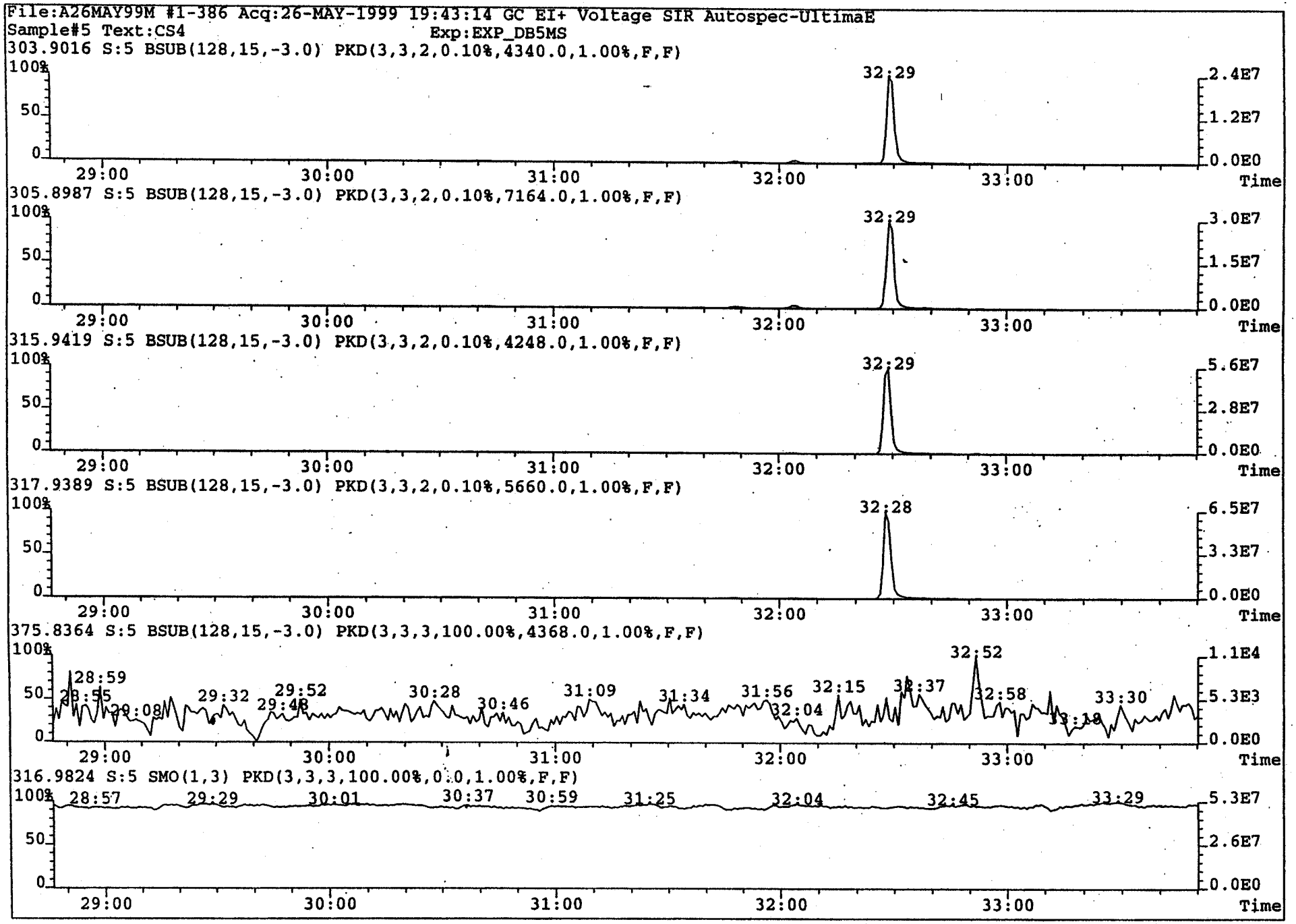

File:A26MAY99M #1-386 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
319.8965 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3768.0,1.00%,F,F)
32:52
1.8E7
9.0E6
0.0E0
321.8936 S:5 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4684.0,1.00%,F,F)
32:52
2.1E7
1.1E7
0.0E0
331.9368 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

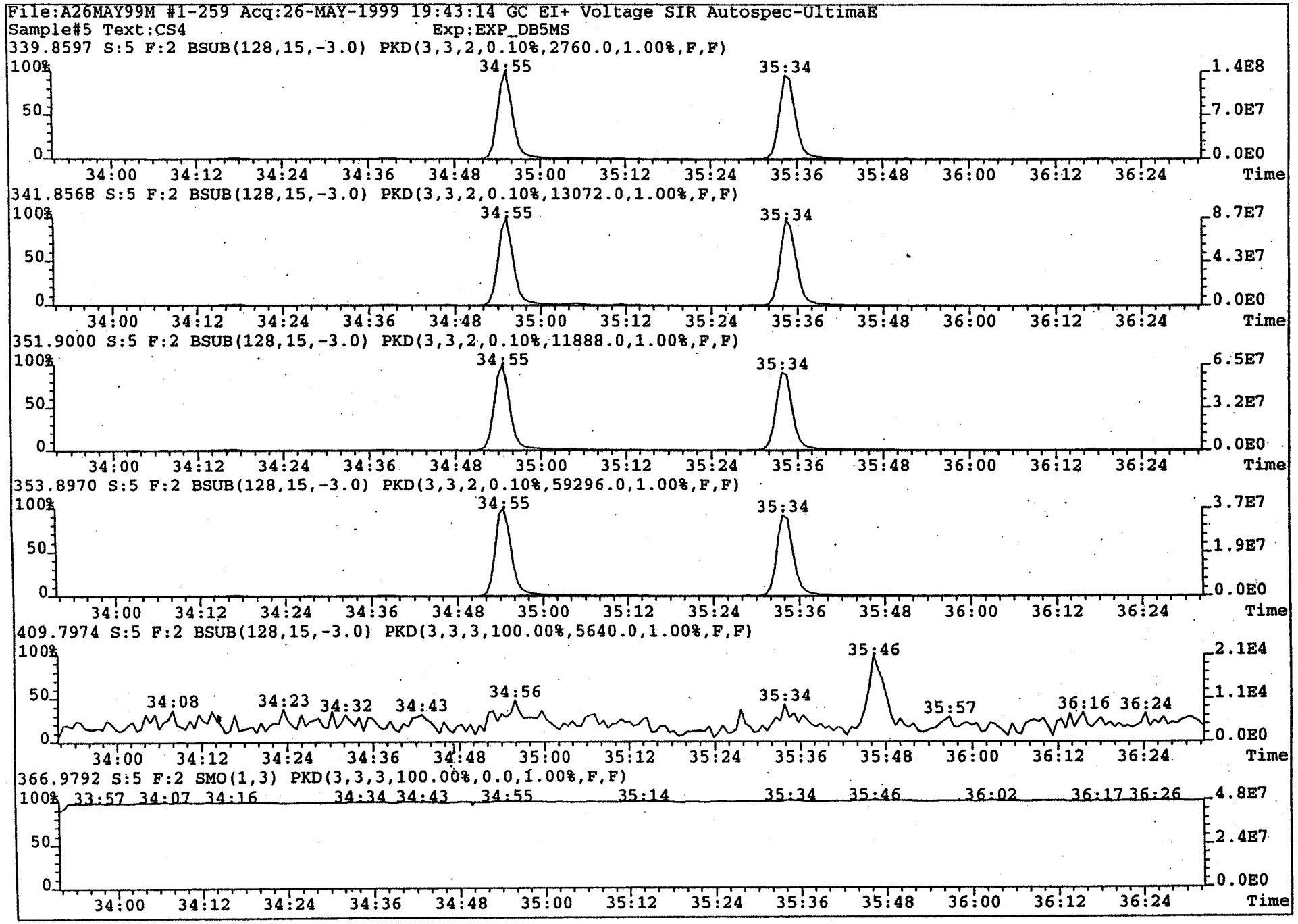

File:A26MAY99M #1-259 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
355.8546 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,7212.0,1.00%,F,F)
35:47
8.2E7
4.1E7
0.0E0
357.8517 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4208.0,1.00%,F,F)
35:47
4.9E7
2.5E7
0.0E0
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

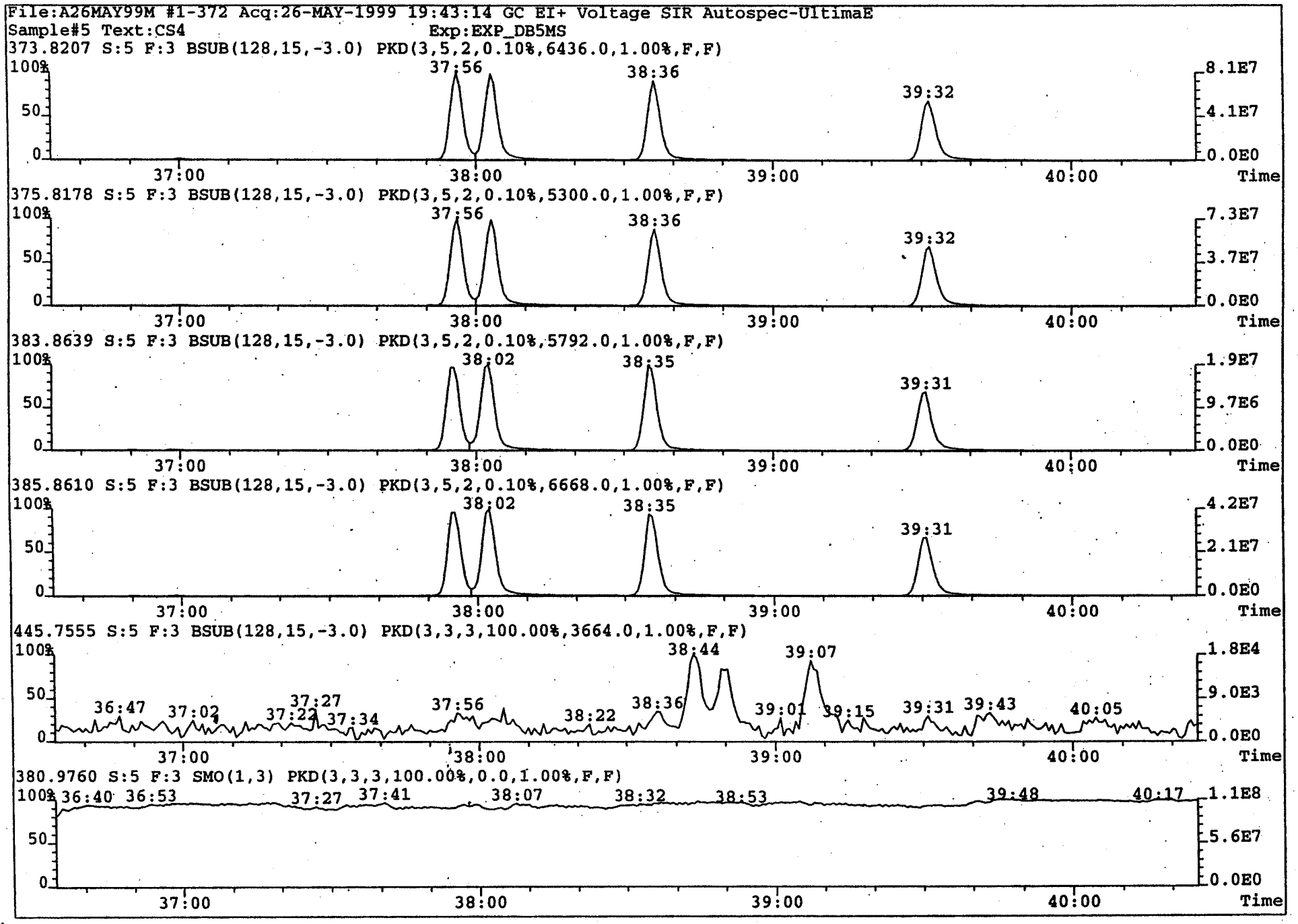

File:A26MAY99M #1-372 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
389.8156 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5616.0,1.00%,F,F)
38:44
39:08
4.9E7
2.4E7
0.0E0
391.8127 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4992.0,1.00%,F,F)
38:44
39:08
4.3E7
2.2E7
0.0E0
401.8559 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5296.0,1.00%,F,F)
38:49
39:07
2.2E7
1.1E7
0.0E0
403.8530 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4584.0,1.00%,F,F)
38:44
39:07
1.9E7
9.5E6
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

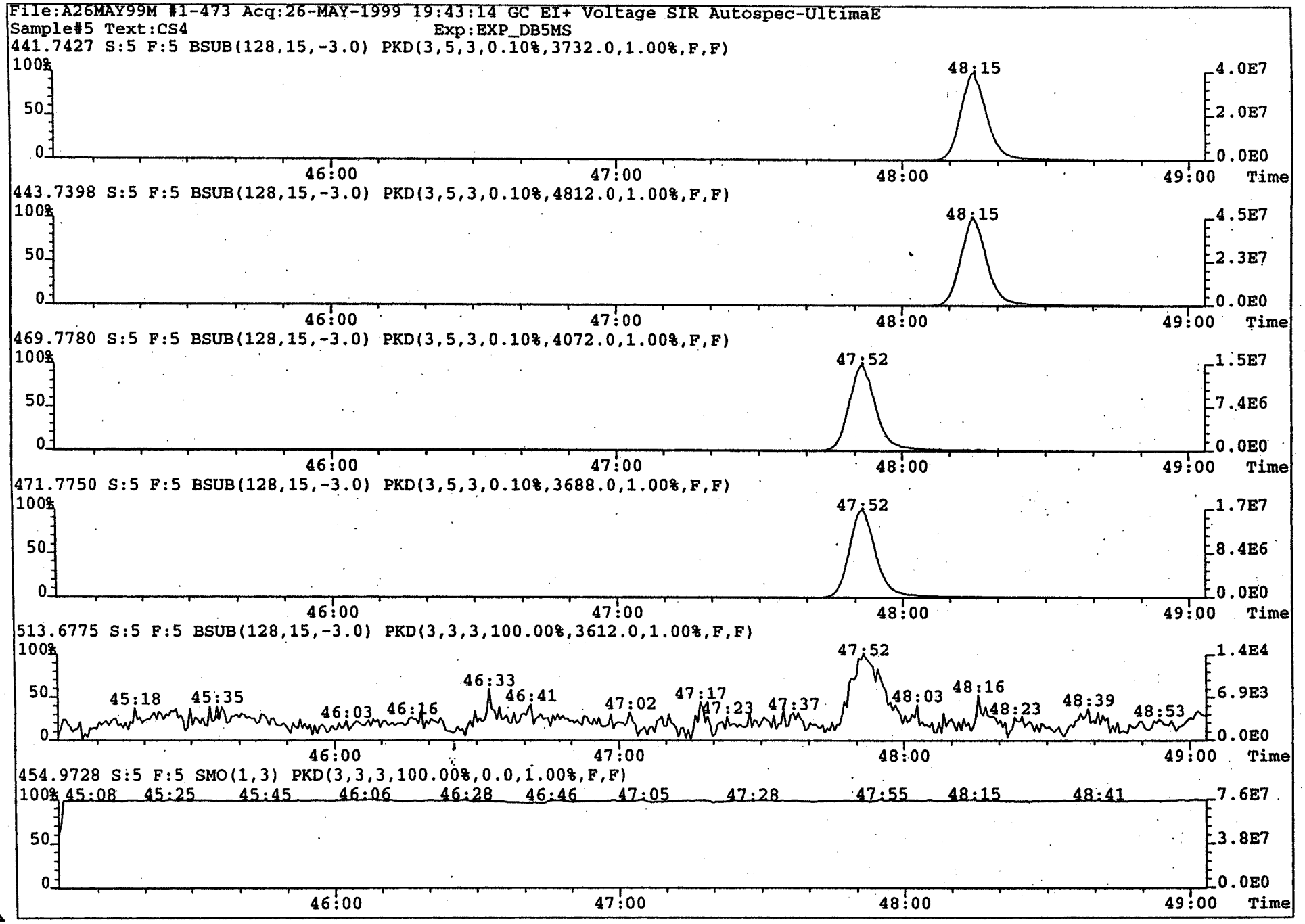

File:A26MAY99M #1-440 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4
Exp:EXP_DB5MS
423.7767 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4408.0,1.00%,F,F)
42:45
3.1E7
1.5E7
0.0E0
425.7737 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3528.0,1.00%,F,F)
42:45
2.9E7
1.4E7
0.0E0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

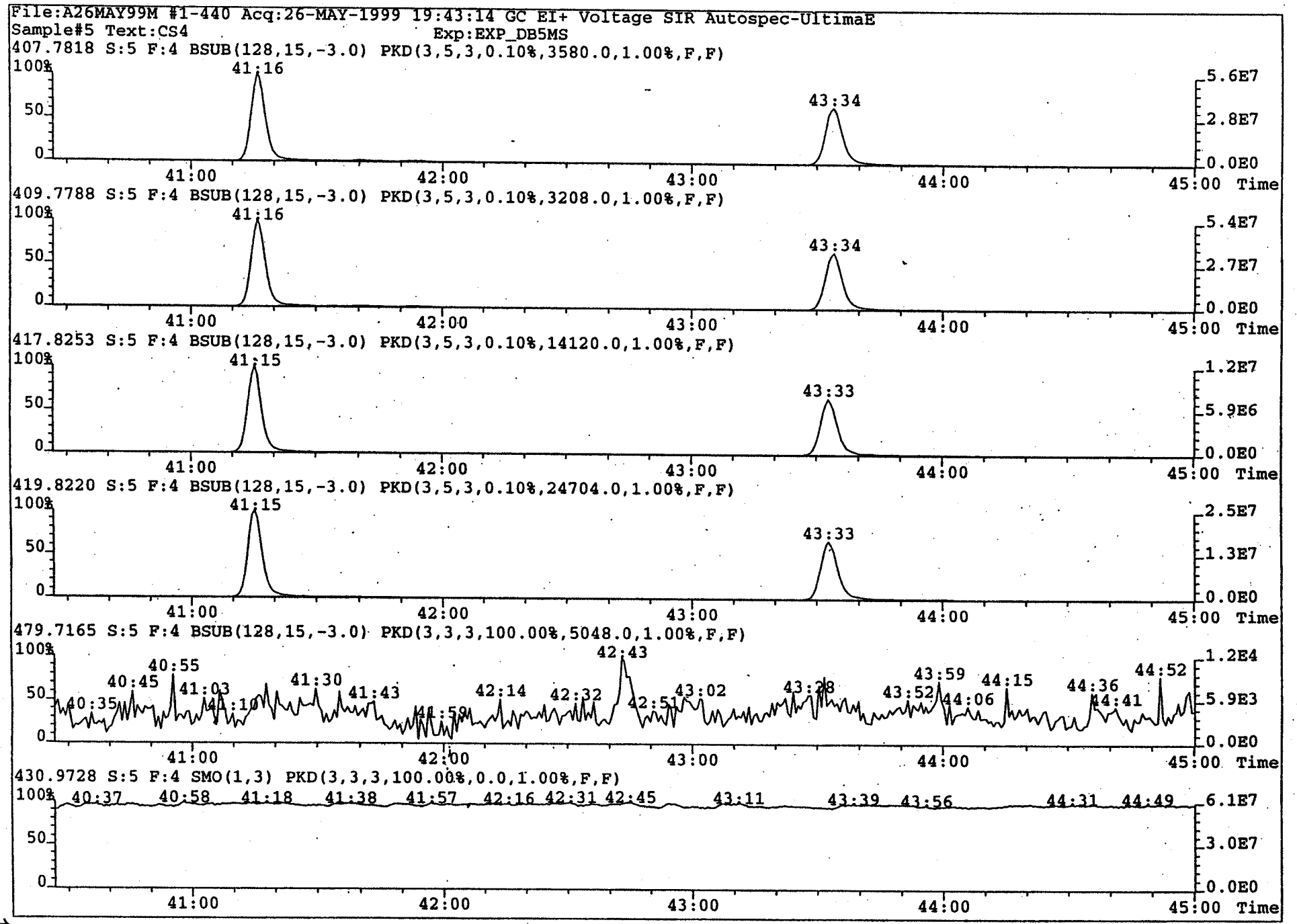

File:A26MAY99M #1-473 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
457.7377 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5720.0,1.00%,F,F)
47:53
3.1E7
1.6E7
0.0E0
459.7348 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4756.0,1.00%,F,F)
47:53
3.6E7
1.8E7
0.0E0
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
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
7.6E7
3.8E7
0.0E0
100%
50
0
46:00
47:00
48:00
49:00
Time


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
33:19
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
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
339.8597 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2760.0,1.00%,F,F)
34:55
35:34
1.4E8
7.0E7
0.0E0
341.8568 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,13072.0,1.00%,F,F)
34:55
35:34
8.7E7
4.3E7
0.0E0
351.9000 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11888.0,1.00%,F,F)
34:55
35:34
6.5E7
3.2E7
0.0E0
353.8970 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,59296.0,1.00%,F,F)
34:55
35:34
3.7E7
1.9E7
0.0E0
409.7974 S:5 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,5640.0,1.00%,F,F)
34:08
34:23
34:32
34:43
34:56
35:34
35:46
35:57
36:16
36:24
2.1E4
1.1E4
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
34:55
35:14
35:34
35:46
36:02
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

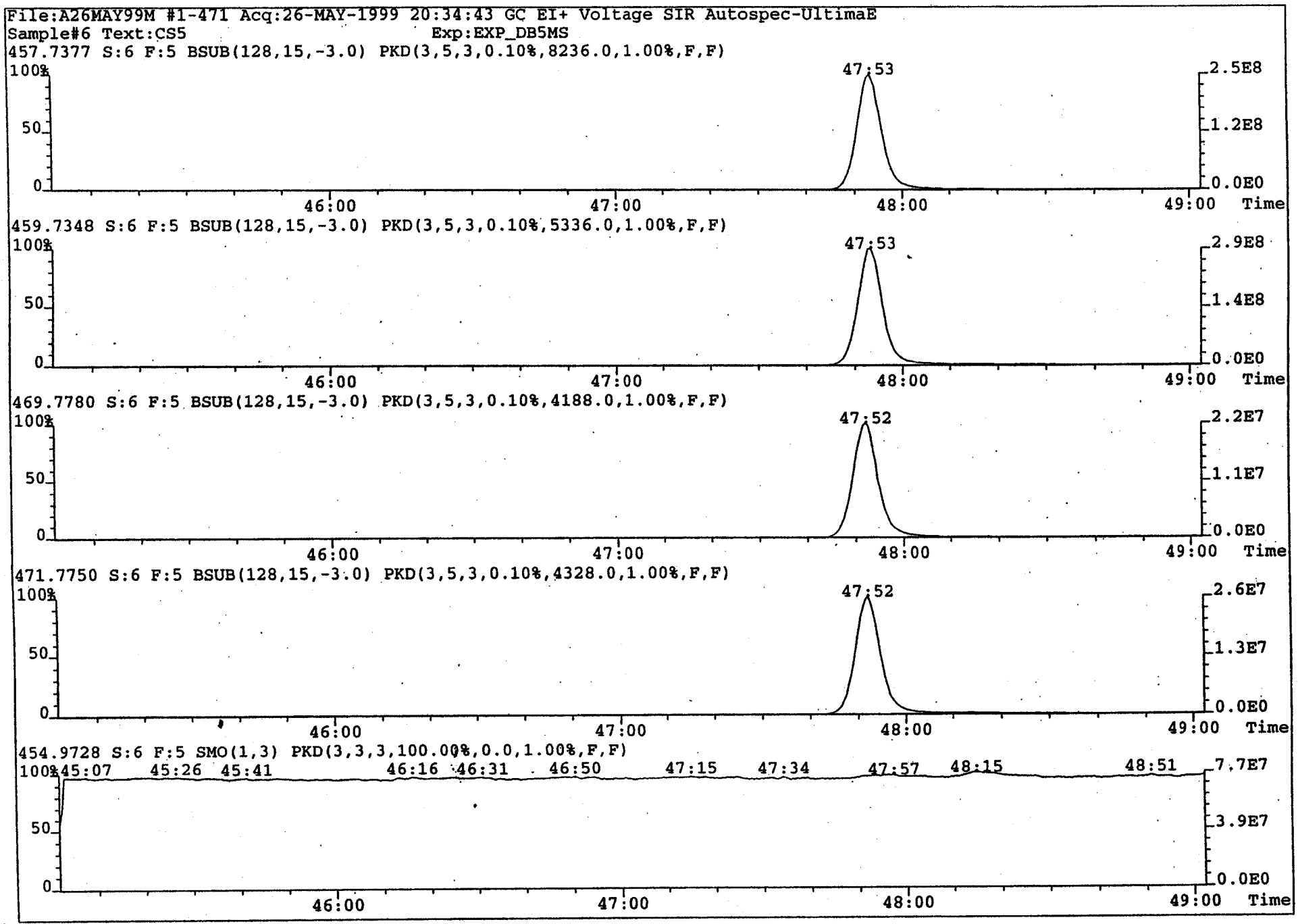

File:A26MAY99M #1-372 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4
Exp:EXP_DB5MS
373.8207 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,6436.0,1.00%,F,F)
37:56
38:36
39:32
8.1E7
4.1E7
0.0E0
375.8178 S:5 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5300.0,1.00%,F,F)
37:56
38:36
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
37:22
37:27
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

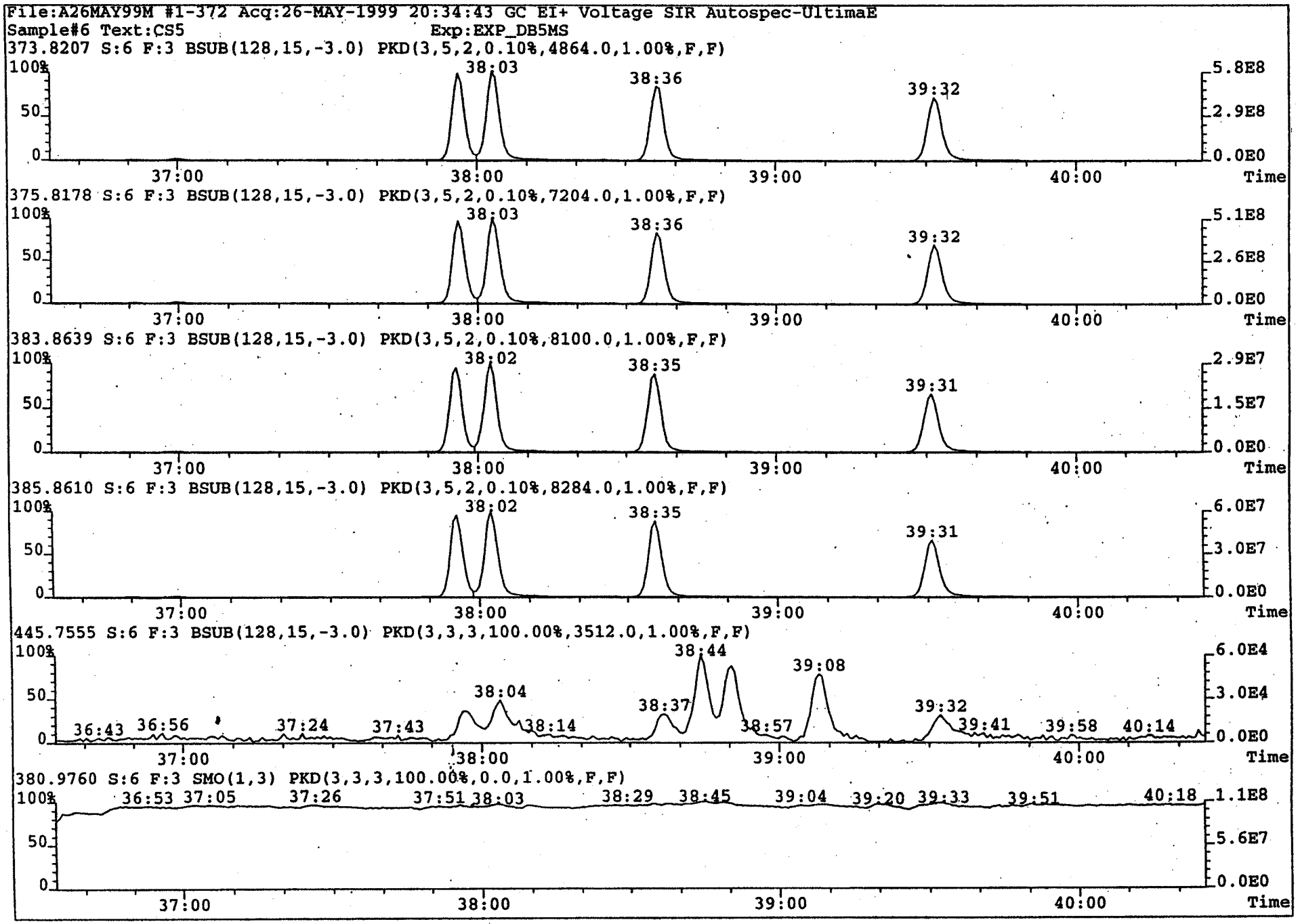

File:A26MAY99M #1-473 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4 Exp:EXP_DB5MS
441.7427 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3732.0,1.00%,F,F)
48:15
4.0E7
2.0E7
0.0E0
443.7398 S:5 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4812.0,1.00%,F,F)
48:15
4.5E7
2.3E7
0.0E0
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)
47:52
45:18
45:35
46:03
46:16
46:33
46:41
47:02
47:17
47:23
47:37
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

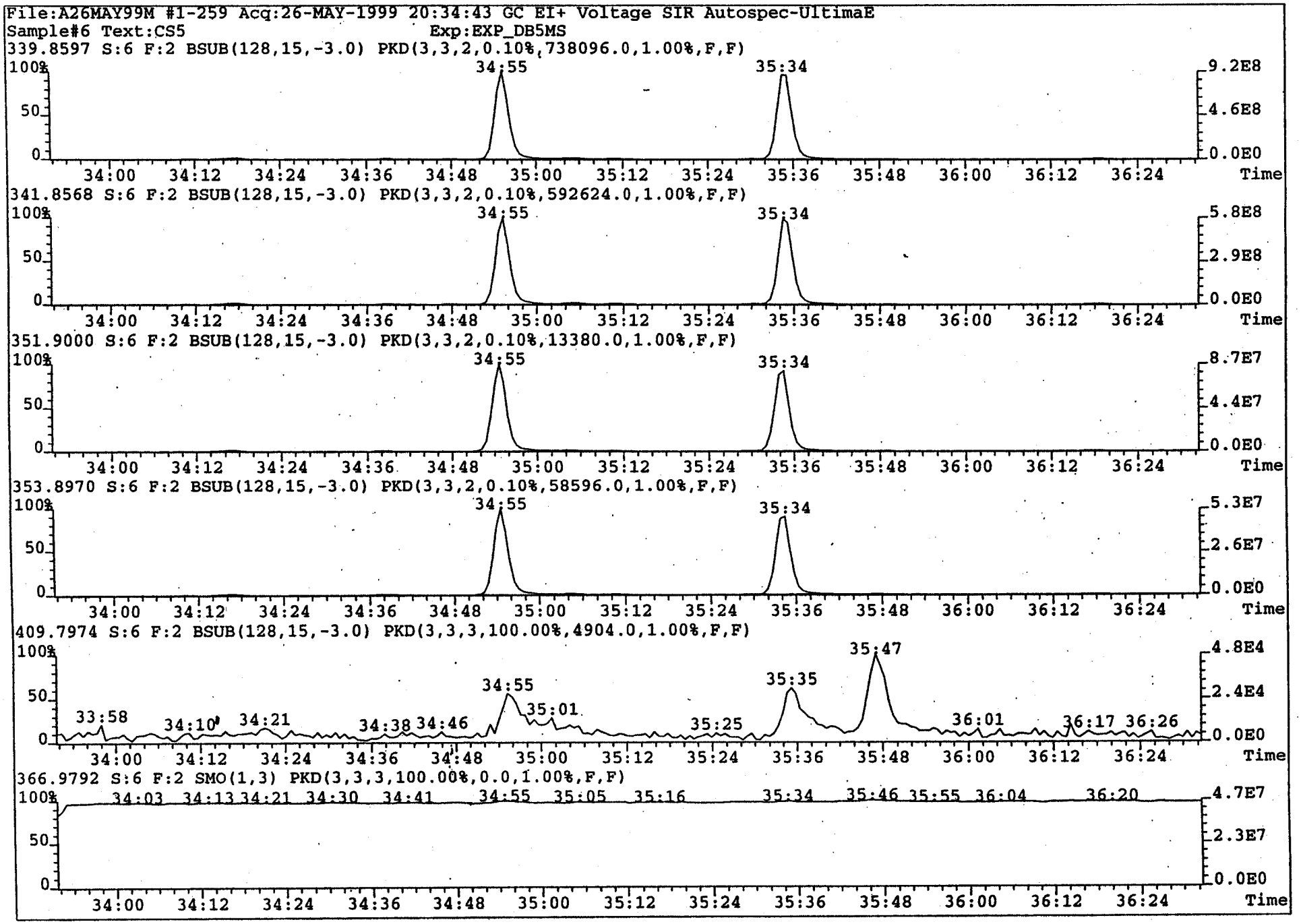

File:A26MAY99M #1-440 Acq:26-MAY-1999 19:43:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:CS4
Exp:EXP_DB5MS
407.7818 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3580.0,1.00%,F,F)
41:16
43:34
5.6E7
2.8E7
0.0E0
409.7788 S:5 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3208.0,1.00%,F,F)
41:16
43:34
5.4E7
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
41:00
42:00
43:00
44:00
45:00
Time

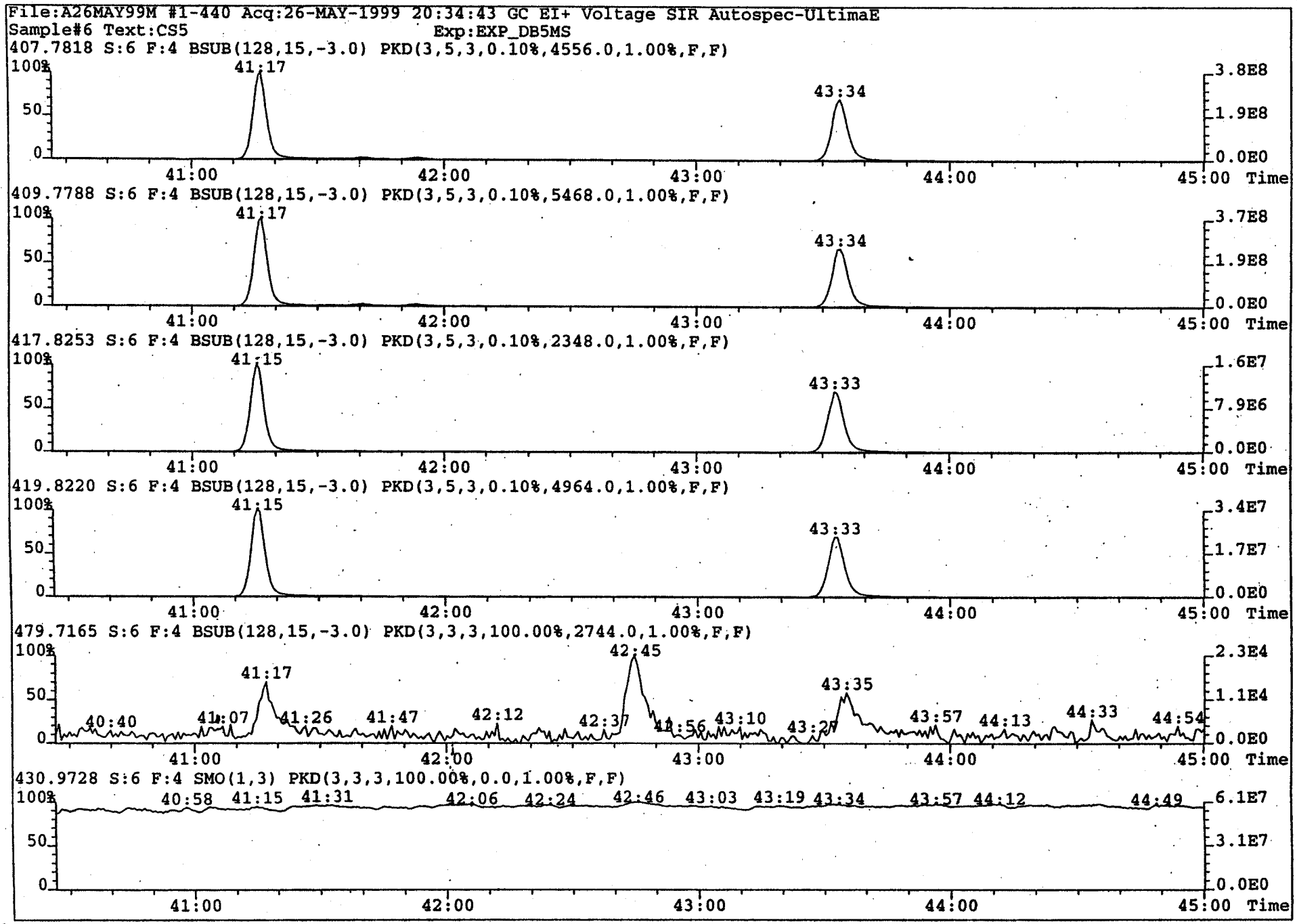
Run #5 Filename a26may99m S: 6 I: 1 Acquired: 26-MAY-99 20:34:43 Processed: 9-JUN-99 10:38:24
Run: Analyte: Cal: Results: Version: V3.6 31-JUL-1998 10:51:59
Sample text: CS5 Comments:

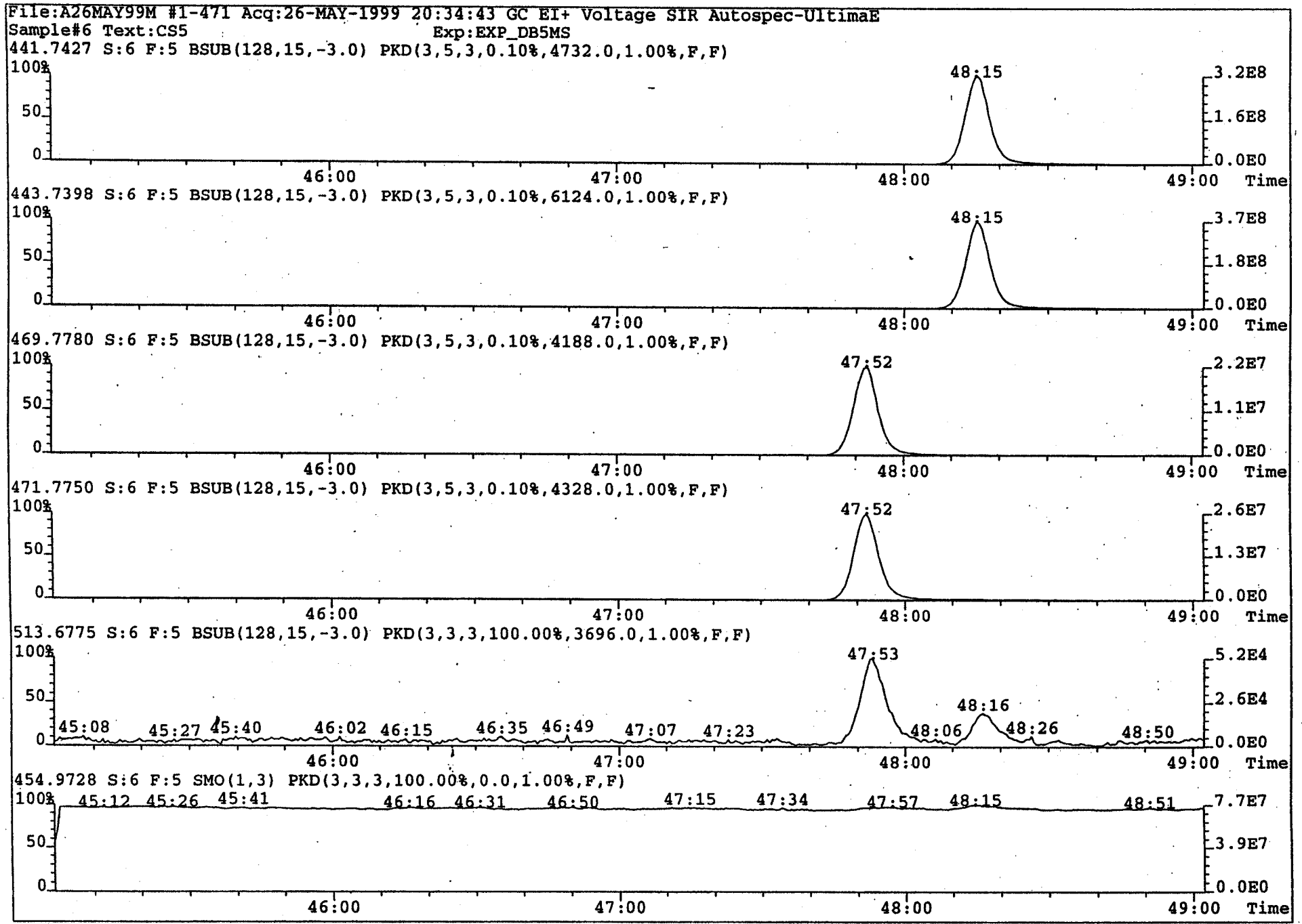
	Typ	Name	Amount	Resp	RA		RT	RF	RRF		Modified?
1	Unk	2,3,7,8-TCDD	200.00	5.58e+08	0.83	y	32:52	-	1.16	y	n
2	Unk	1,2,3,7,8-PeCDD	1000.00	2.20e+09	1.66	y	35:47	-	1.03	y	n
3	Unk	1,2,3,4,7,8-HxCDD	1000.00	1.91e+09	1.18	y	38:44	-	1.13	y	n
4	Unk	1,2,3,6,7,8-HxCDD	1000.00	1.85e+09	1.17	y	38:50	-	0.99	y	n
5	Unk	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

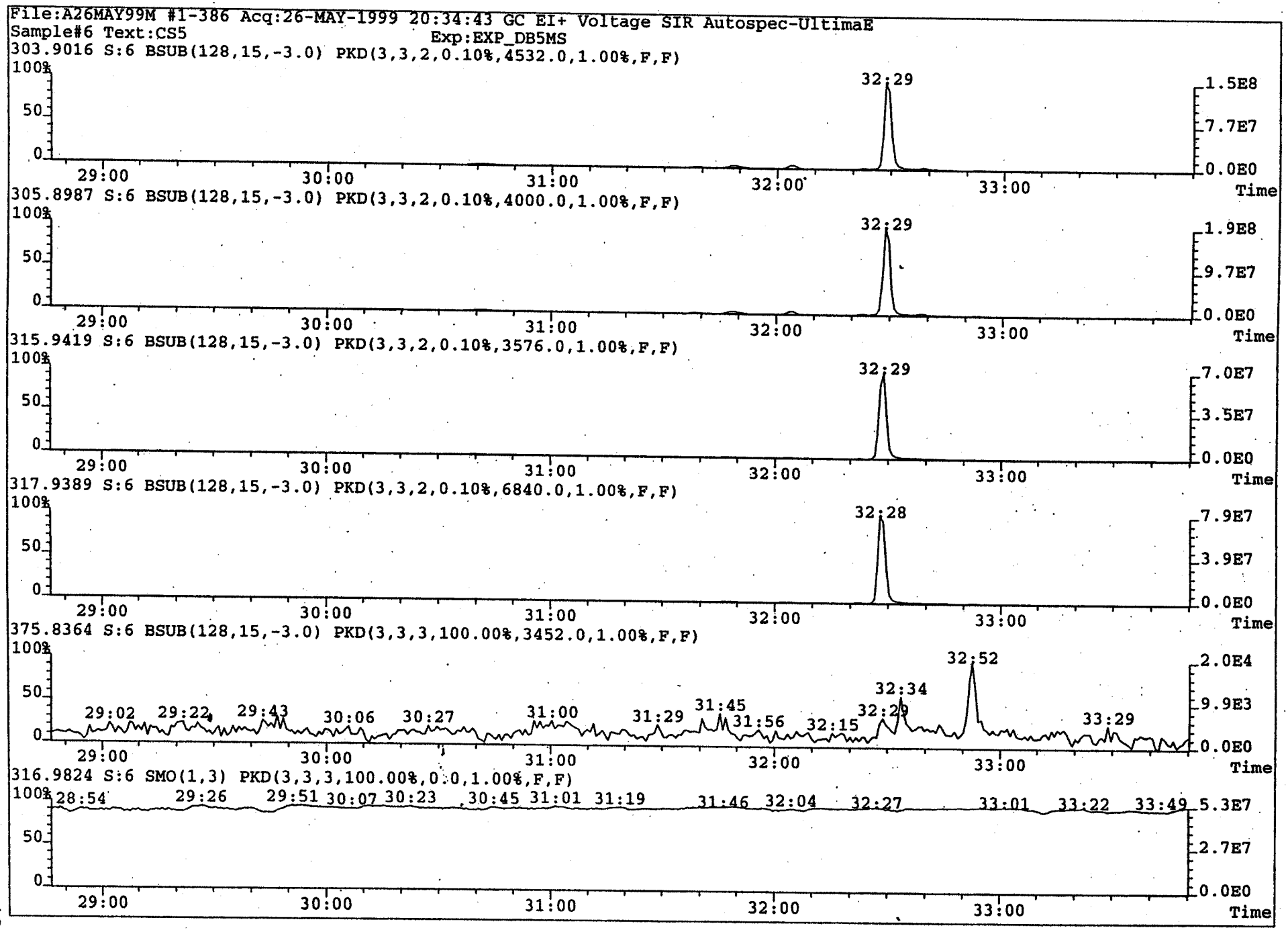

File:A26MAY99M #1-471 Acq:26-MAY-1999 20:34:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CS5 Exp:EXP_DB5MS
457.7377 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8236.0,1.00%,F,F)
47:53
2.5E8
1.2E8
0.0E0
459.7348 S:6 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5336.0,1.00%,F,F)
47:53
2.9E8
1.4E8
0.0E0
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)
36:43 36:56 37:24 37:43 38:04 38:14 38:37 38:44 38:57 39:08 39:32 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
100%
50
0
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
29:00
30:00
31:00
32:00
33:00
Time

Section 6

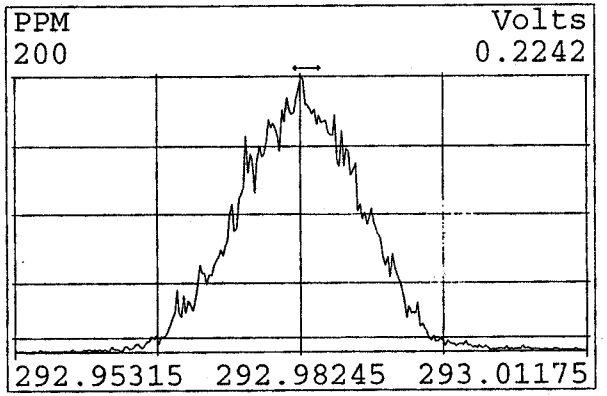
Continuing Calibration Data

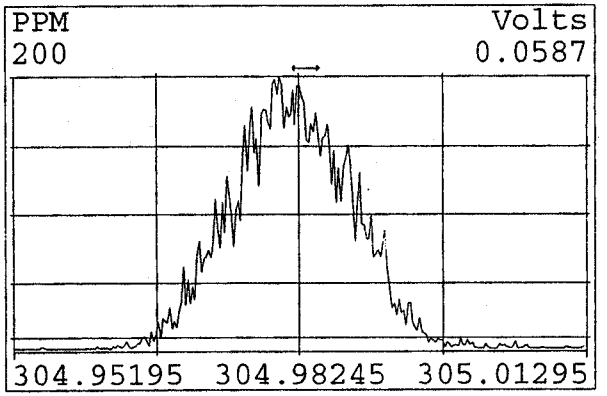
Paradigm Sample Log

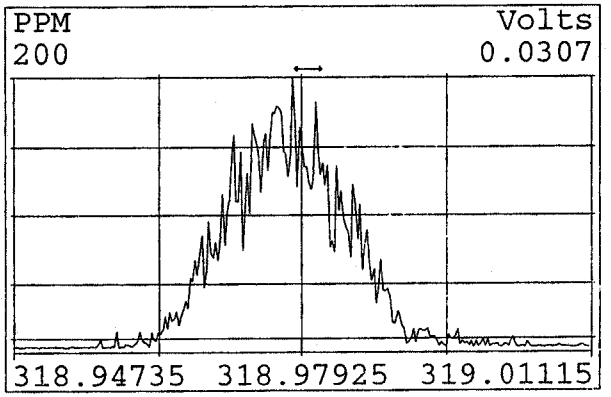
Data File S	Sample ID	Analyst	Acq. Date	Time
a20feb01a;1	;RETCON	;HMP	20-FEB-01	16:13:47
a20feb01a;2	;WG5277-2	;HMP	20-FEB-01	17:01:07
a20feb01a;3	;WG5277-1 x1/1	;HMP	20-FEB-01	17:48:28
a20feb01a;4	;WG5282-2	;HMP	20-FEB-01	18:35:55
a20feb01a;5	;WG5282-1 x1/1	;HMP	20-FEB-01	19:23:19
a20feb01a;6	;14699R x1/1	;HMP	20-FEB-01	20:10:46
a20feb01a;7	;14708 x1/1	;HMP	20-FEB-01	20:58:07
a20feb01a;8	;14709 x1/1	;HMP	20-FEB-01	21:45:27
a20feb01a;9	;14710 x1/1	;HMP	20-FEB-01	22:32:48
a20feb01a;10	;14332S x1/1	;HMP	20-FEB-01	23:20:14
a20feb01a;11	;14713 x1/1 d250	;HMP	21-FEB-01	00:07:35
a20feb01a;12	;14715 x1/1 d50	;HMP	21-FEB-01	00:54:56
a20feb01a;13	;14716 x1/1 d50	;HMP	21-FEB-01	01:42:22
a20feb01a;14	;14717 x1/1 d50	;HMP	21-FEB-01	02:29:48
a20feb01a;15	;RETCON	;HMP	21-FEB-01	03:17:08
a20feb01a_2;1	;WG5281-2	;HMP	21-FEB-01	04:05:06
a20feb01a_2;2	;WG5281-1 x1/1	;HMP	21-FEB-01	04:52:27
a20feb01a_2;3	;14711 x1/1	;HMP	21-FEB-01	05:39:54
a20feb01a_2;4	;14938 x1/1	;HMP	21-FEB-01	06:27:16
a20feb01a_2;5	;14939 x1/1	;HMP	21-FEB-01	07:14:38
a20feb01a_2;6	;14940 x1/1	;HMP	21-FEB-01	08:02:06
a20feb01a_2;7	;14941 x1/1	;HMP	21-FEB-01	08:49:28
a20feb01a_2;8	;14942 x1/1	;HMP	21-FEB-01	09:36:54
a20feb01a_2;9	;14943 x1/1	;HMP	21-FEB-01	10:24:16
a20feb01a_2;10	;14944 x1/1	;HMP	21-FEB-01	11:11:39

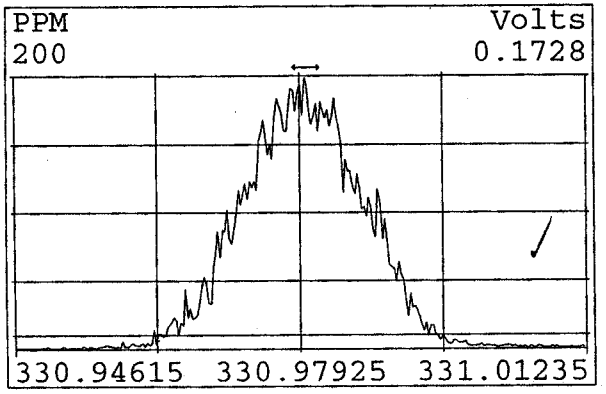
2/21/00

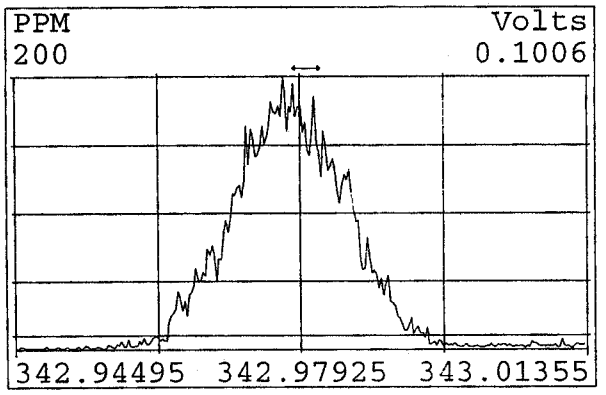
Peak Locate Examination:20-FEB-2001:16:12 File:A20FEB01A_L
Experiment:EXP_DB5MS Function:1 Reference:PFK

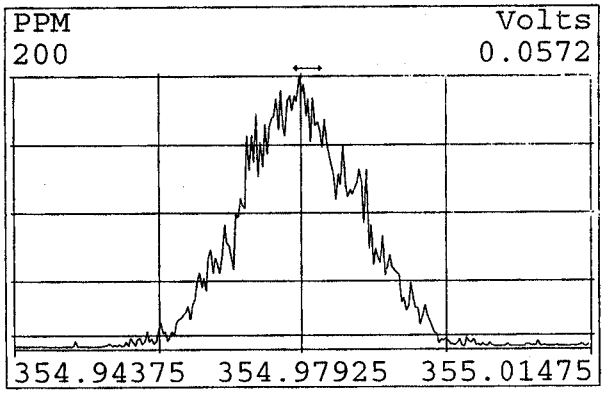


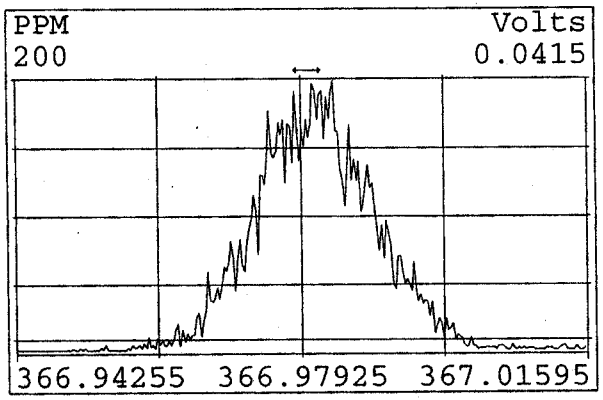


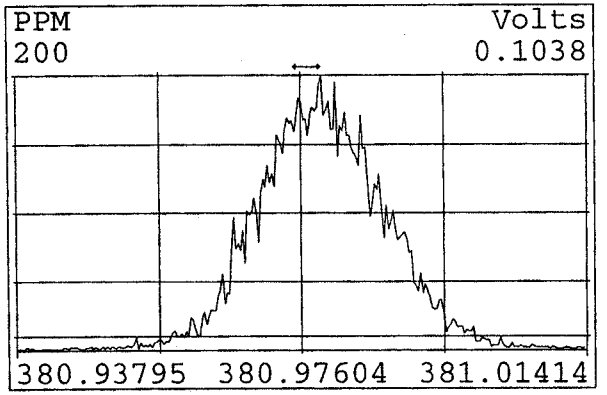


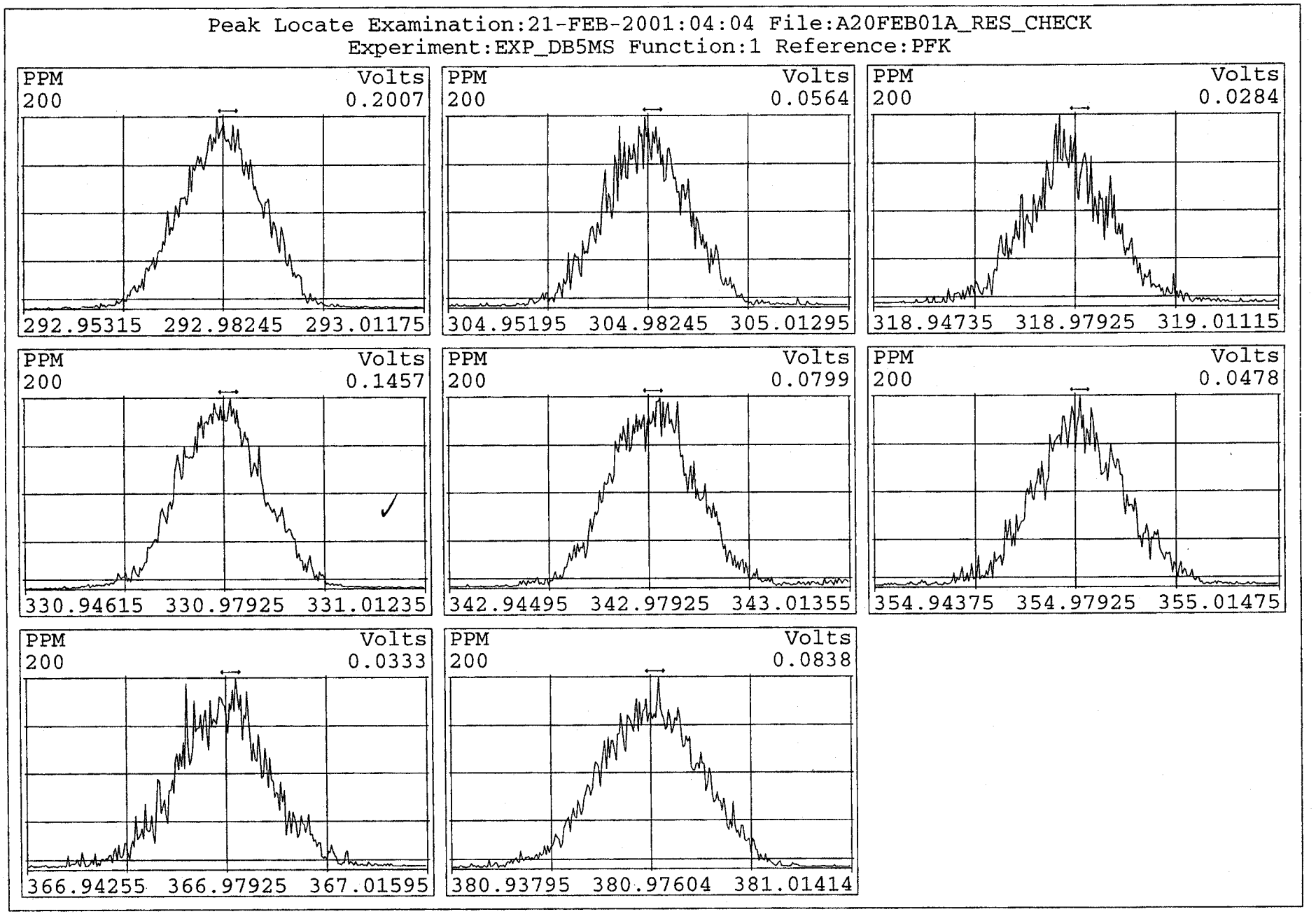




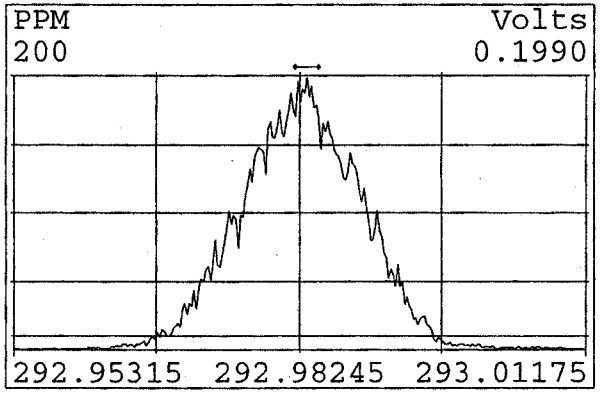


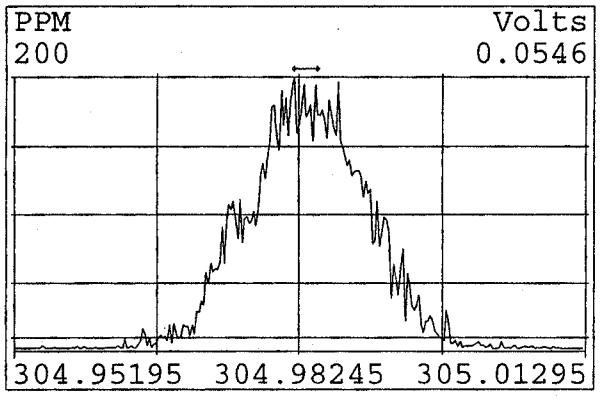


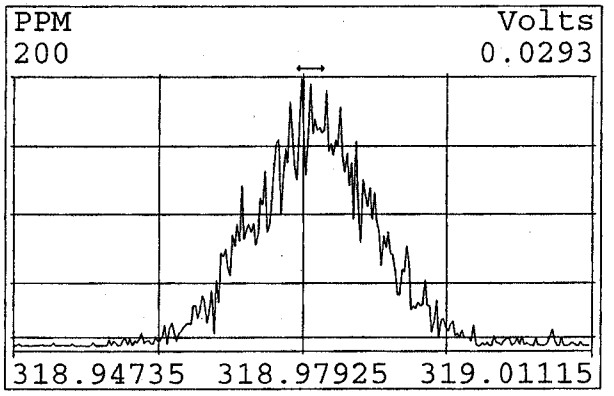


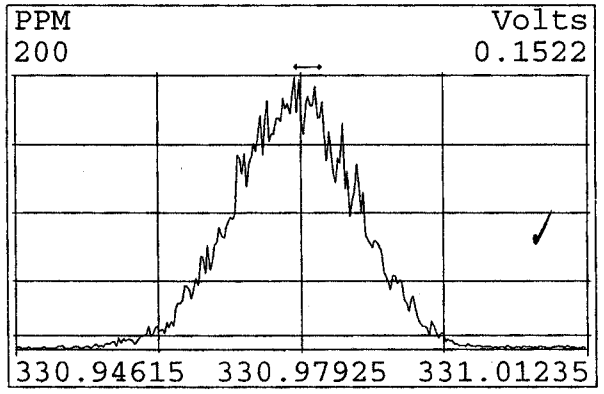

Peak Locate Examination:21-FEB-2001:04:04 File:A20FEB01A_RES_CHECK
Experiment:EXP_DB5MS Function:1 Reference:PFK
PPM
200
Volts
0.2007
292.95315 292.98245 293.01175
PPM
200
Volts
0.0564
304.95195 304.98245 305.01295
PPM
200
Volts
0.0284
318.94735 318.97925 319.01115
PPM
200
Volts
0.1457
330.94615 330.97925 331.01235
PPM
200
Volts
0.0799
342.94495 342.97925 343.01355
PPM
200
Volts
0.0478
354.94375 354.97925 355.01475
PPM
200
Volts
0.0333
366.94255 366.97925 367.01595
PPM
200
Volts
0.0838
380.93795 380.97604 381.01414

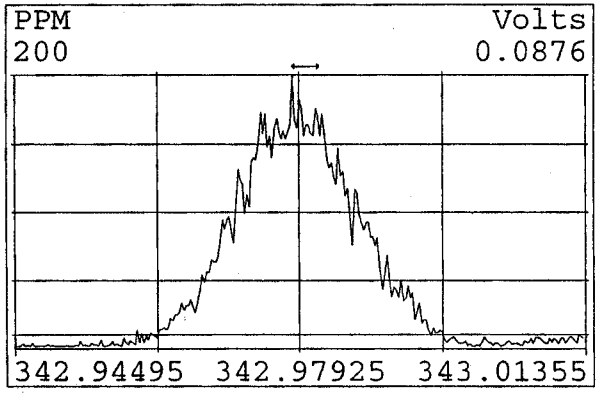
Peak Locate Examination:21-FEB-2001:11:59 File:A20FEB01A_2_RES_CHECK
Experiment:EXP_DB5MS Function:1 Reference:PFK

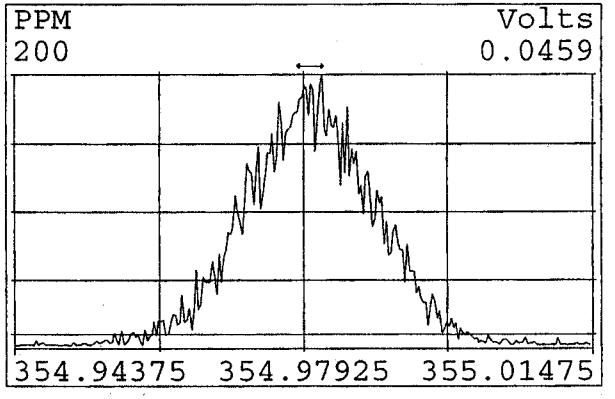


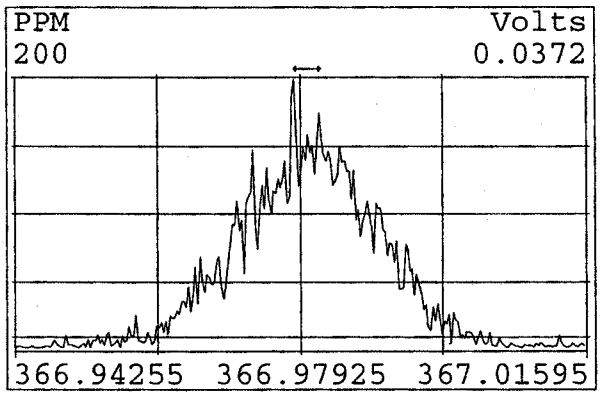


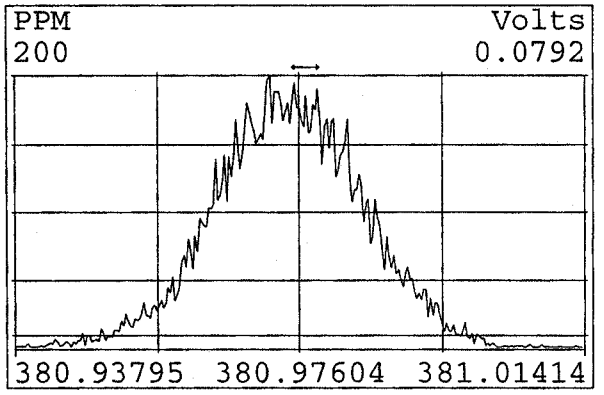








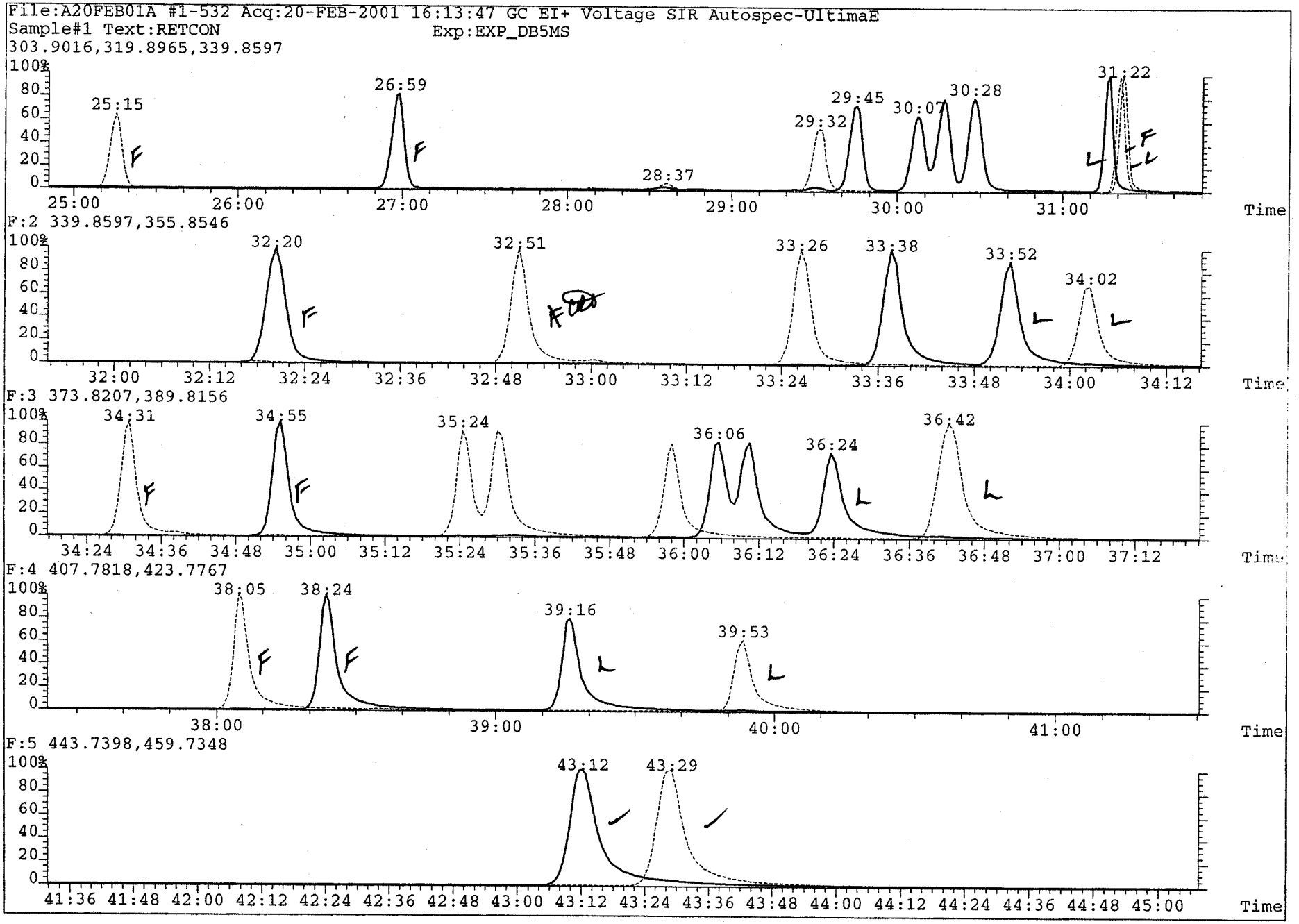


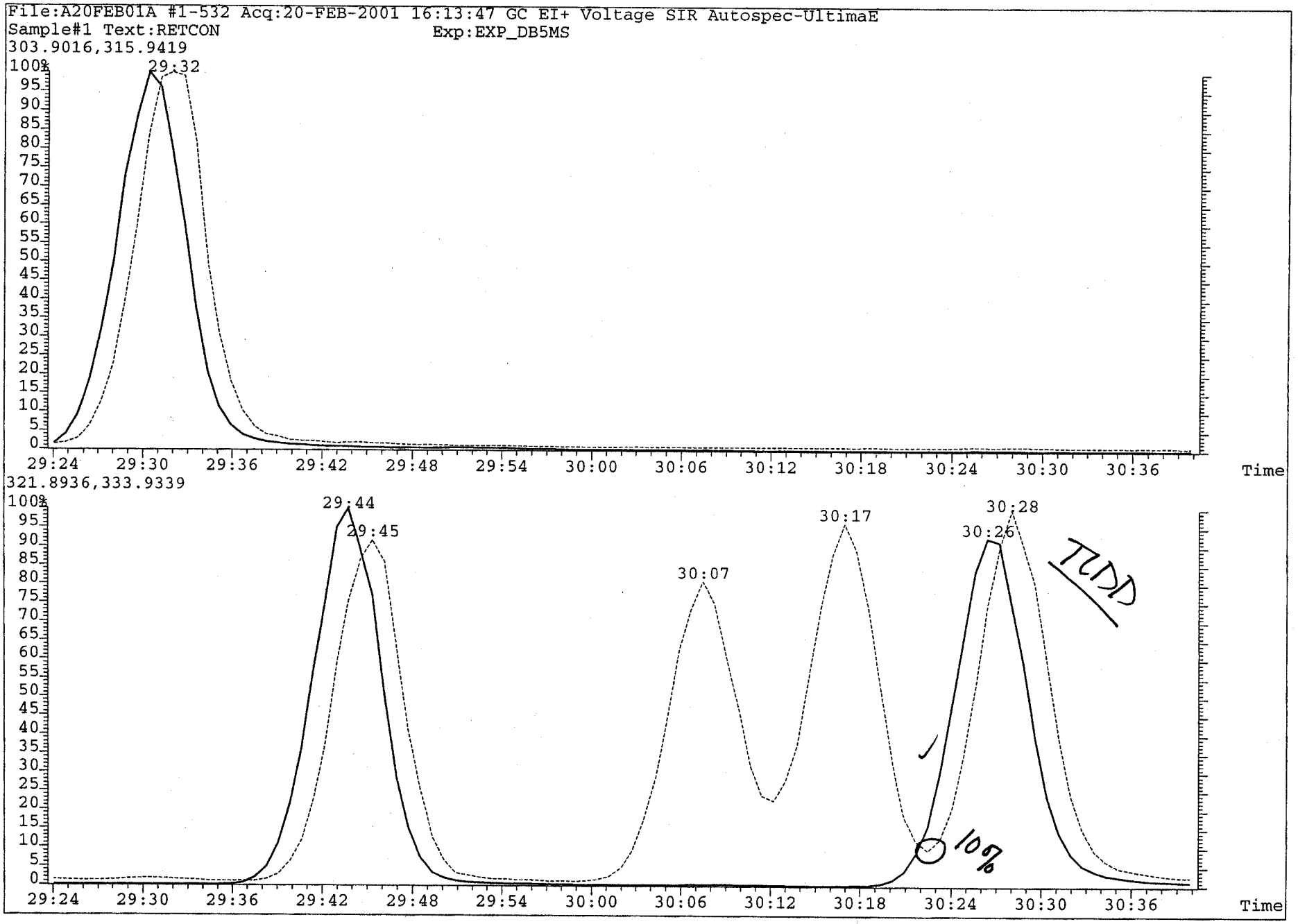


Page 1

Filename ; a20feb01a
Sample ; 1
Acquired ; 20-FEB-01 16:13:47
Processed ; 21-FEB-01 13:27:36
Sample ID ; RETCON

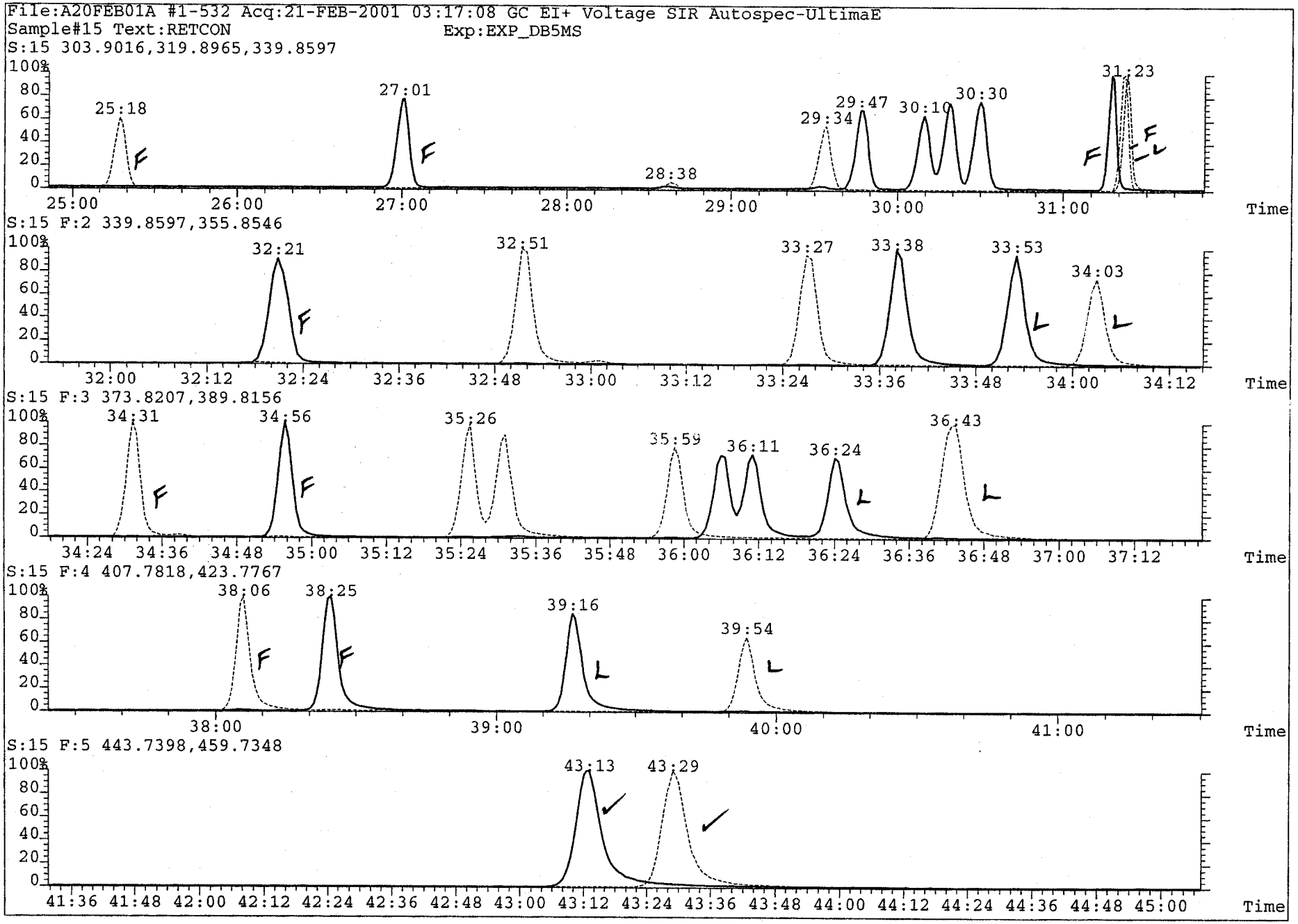
Name	First Eluter RT	Last Eluter RT
TCDD	26:59	31:17
PeCDD	32:20	33:52
HxCDD	34:55	36:24
HpCDD	38:24	39:16
OCDD	43:12	
TCDF	25:15	31:22
PeCDF	31:21	34:02
HxCDF	34:31	36:42
HpCDF	38:05	39:53
OCDF	43:29	

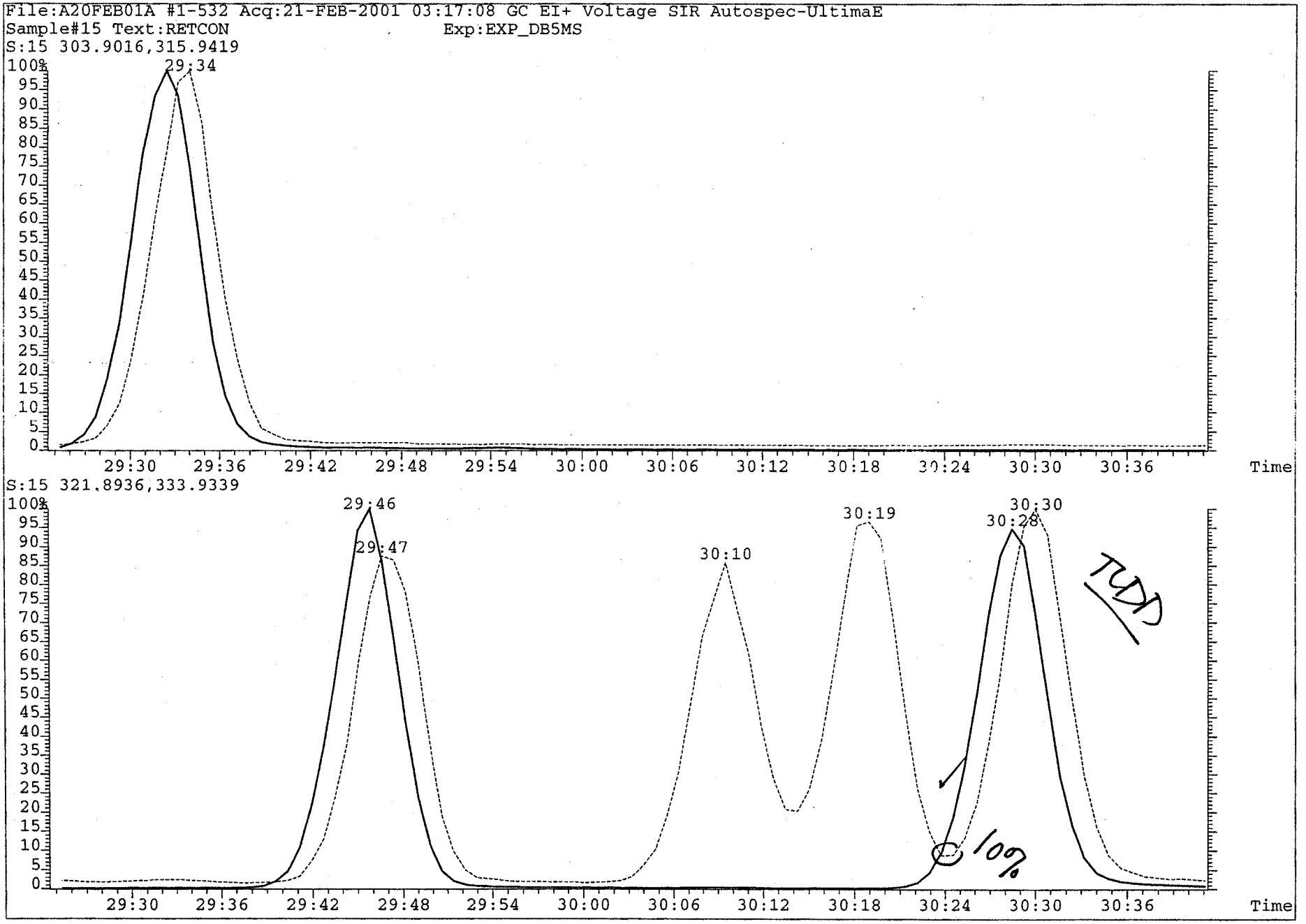

File:A20FEB01A #1-532 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
303.9016,319.8965,339.8597
25:15
26:59
28:37
29:32
29:45
30:07
30:28
31:22
F:2 339.8597,355.8546
32:20
32:51
33:26
33:38
33:52
34:02
F:3 373.8207,389.8156
34:31
34:55
35:24
36:06
36:24
36:42
F:4 407.7818,423.7767
38:05
38:24
39:16
39:53
F:5 443.7398,459.7348
43:12
43:29
Time


File:A20FEB01A #1-532 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
303.9016,315.9419
29:32
321.8936,333.9339
29:44
29:45
30:07
30:17
30:26
30:28
TUD
10%
Time
Time

Filename ; a20feb01a
Sample ; 15
Acquired ; 21-FEB-01 03:17:08
Processed ; 21-FEB-01 13:27:48
Sample ID ; RETCON

Name	First Eluter RT	Last Eluter RT
TCDD	27:01	31:17
PeCDD	32:21	33:53
HxCDD	34:56	36:24
HpCDD	38:25	39:16
OCDD	43:13	
TCDF	25:18	31:23
PeCDF	31:22	34:03
HxCDF	34:31	36:43
HpCDF	38:06	39:54
OCDF	43:29	


File:A20FEB01A #1-532 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
S:15 303.9016,319.8965,339.8597
25:18
27:01
28:38
29:34
29:47
30:10
30:30
31:23
S:15 F:2 339.8597,355.8546
32:21
32:51
33:27
33:38
33:53
34:03
S:15 F:3 373.8207,389.8156
34:31
34:56
35:26
35:59
36:11
36:24
36:43
S:15 F:4 407.7818,423.7767
38:06
38:25
39:16
39:54
S:15 F:5 443.7398,459.7348
43:13
43:29
Time

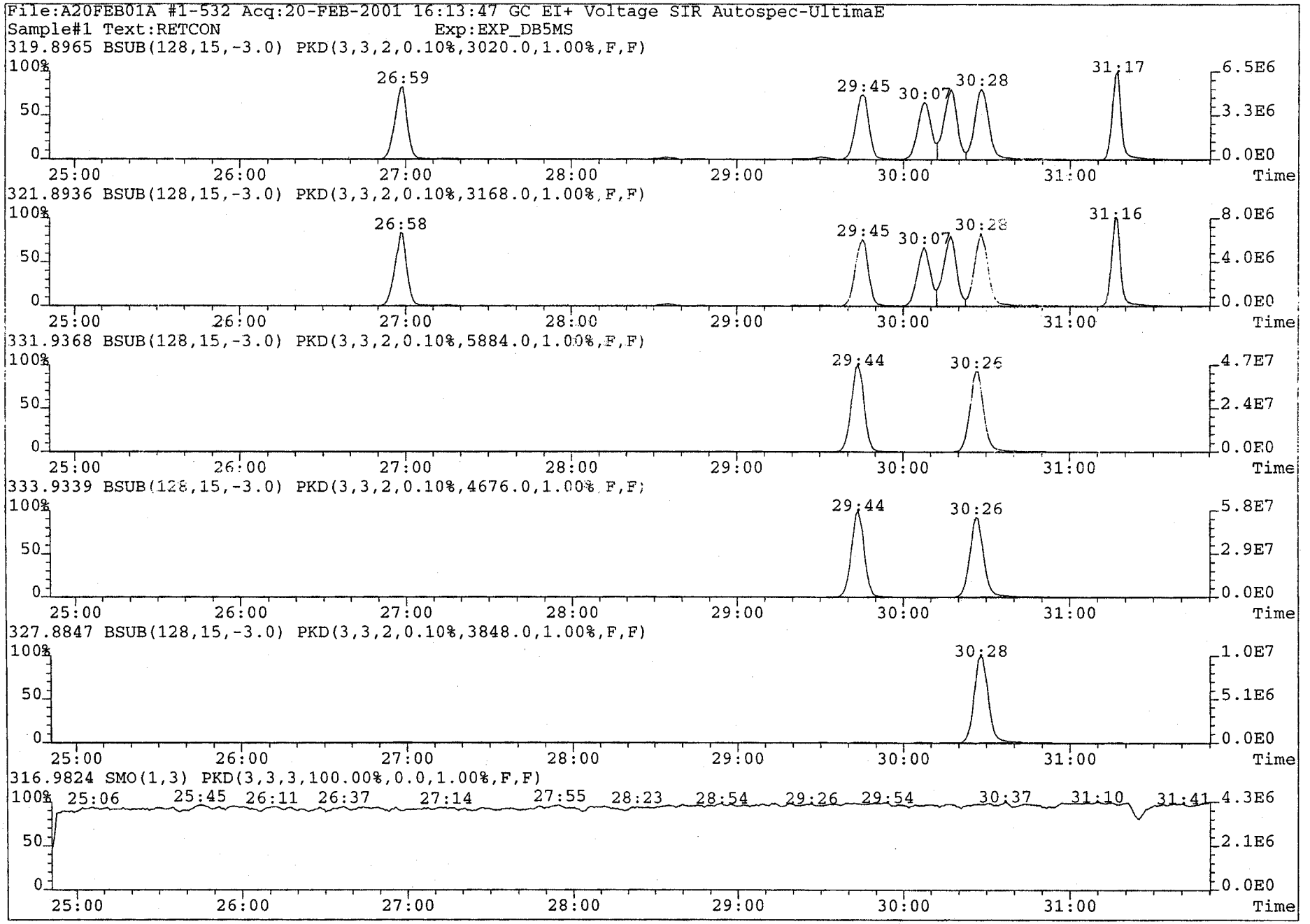

File:A20FEB01A #1-532 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
S:15 303.9016,315.9419
29:34
S:15 321.8936,333.9339
29:46
29:47
30:10
30:19
30:28
30:30
TWD
10%
Time
Time

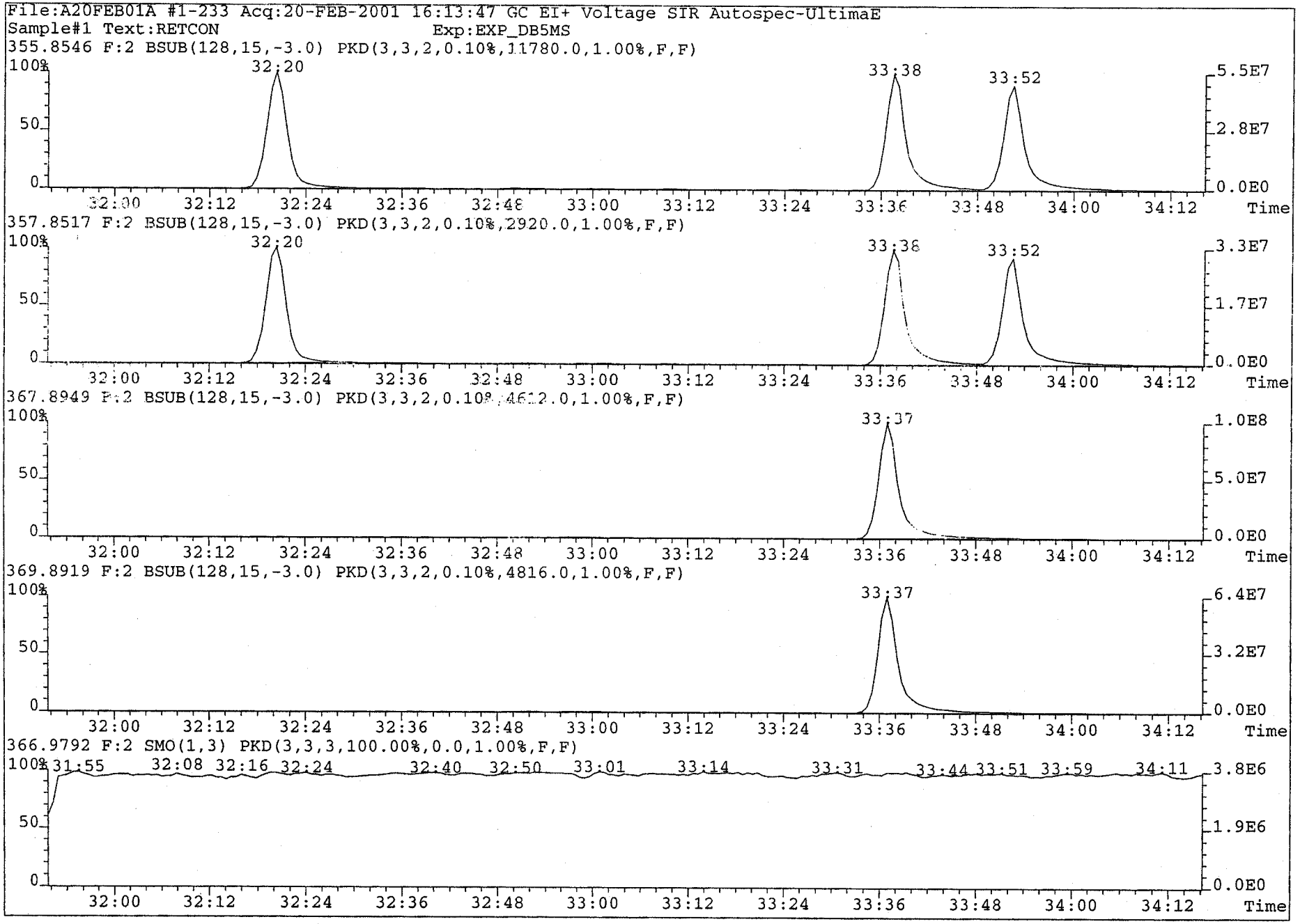
Run #6 Filename a20feb01a S: 1 I: 1 Acquired: 20-FEB-01 16:13:47 Processed: 21-FEB-01 08:06:11
Run: a17may99m Analyte: m8290-020» Cal: m8290-052» Results: Quan : V3.6 31-JUL-1998 10:51:59
Sample text: RETCON Comments: OPUS : V3.6X 31-JUL-1998 11:15:12

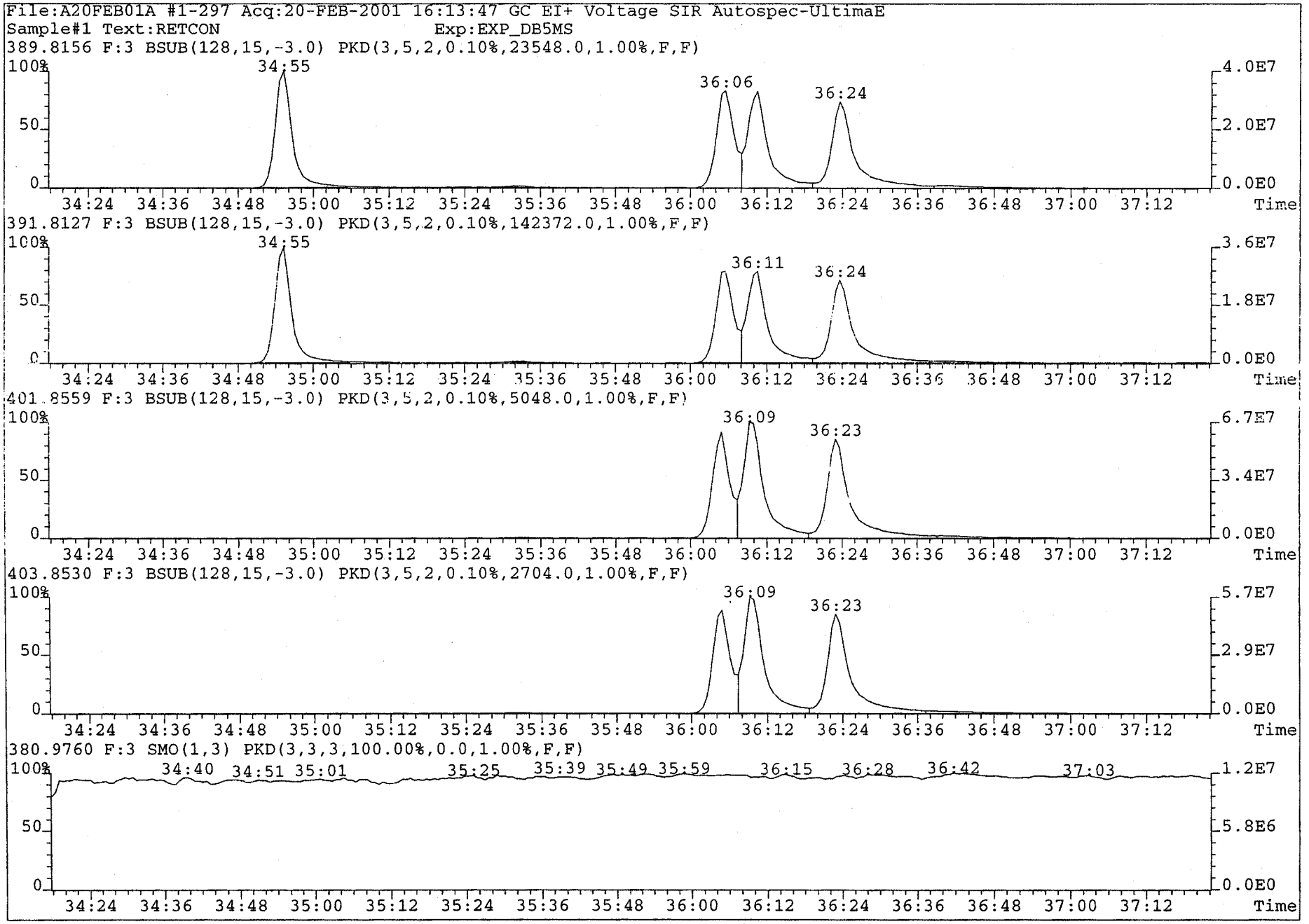
Typ	Name	Resp	RA		RT	Conc	Dev'n	CCAL RRF	ICAL RRF	Mod?
Unk	2,3,7,8-TCDD	6.8e+07	0.82	y	30:28	10.39	3.9	1.2266	1.1810	n
Unk	1,2,3,7,8-PeCDD	2.6e+08	1.63	y	33:38	52.84	5.7	1.0884	1.0298	n
Unk	1,2,3,4,7,8-HxCDD	1.9e+08	1.17	y	36:06	41.33	-17.3	0.8442	1.0214	n
Unk	1,2,3,6,7,8-HxCDD	2.3e+08	1.17	y	36:11	50.99	2.0	0.9904	0.9712	n
Unk	1,2,3,7,8,9-HxCDD	2.3e+08	1.17	y	36:24	46.29	-7.4	0.9984	1.0784	n
Unk	1,2,3,4,6,7,8-HpCDD	1.8e+08	1.00	y	39:16	50.01	0.0	1.0069	1.0066	n
Unk	OCDD	2.8e+08	0.83	y	43:12	99.31	-0.7	1.0685	1.0759	n
Unk	2,3,7,8-TCDF	9.3e+07	0.75	y	29:32	9.542	-4.6	1.0750	1.1266	n
Unk	1,2,3,7,8-PeCDF	3.9e+08	1.59	y	32:51	48.97	-2.1	1.0331	1.0549	n
Unk	2,3,4,7,8-PeCDF	4.1e+08	1.56	y	33:26	49.68	-0.6	1.0725	1.0795	n
Unk	1,2,3,4,7,8-HxCDF	3.2e+08	1.16	y	35:24	41.22	-17.6	0.9466	1.1483	n
Unk	1,2,3,6,7,8-HxCDF	4.2e+08	1.17	y	35:30	51.63	3.3	1.2437	1.2044	n
Unk	2,3,4,6,7,8-HxCDF	3.3e+08	1.19	y	35:58	45.61	-8.8	0.9868	1.0817	n
Unk	1,2,3,7,8,9-HxCDF	5.7e+08	1.20	y	36:42	85.83	-14.2	0.8454	0.9851	n
Unk	1,2,3,4,6,7,8-HpCDF	3.0e+08	0.99	y	38:05	49.99	0.0	1.4637	1.4641	n
Unk	1,2,3,4,7,8,9-HpCDF	2.3e+08	1.03	y	39:51	47.56	-4.9	1.1419	1.2004	n
Unk	OCDF	3.2e+08	0.81	y	43:29	91.83	-8.2	1.2108	1.3185	n
ES/RT	13C-2,3,7,8-TCDD	5.5e+08	0.82	y	30:26	93.97	-6.0	0.9972	1.0612	n
ES	13C-1,2,3,7,8-PeCDD	4.8e+08	1.55	y	33:37	96.34	-3.7	0.8617	0.8944	n
ES	13C-1,2,3,6,7,8-HxCDD	4.6e+08	1.19	y	36:09	107.4	7.4	1.0254	0.9544	n
ES	13C-1,2,3,4,6,7,8-HpCDD	3.6e+08	1.00	y	39:15	88.41	-11.6	0.8093	0.9154	n
ES	13C-OCDD	5.3e+08	0.86	y	43:11	166.6	-16.7	0.5938	0.7127	n
ES/RT	13C-2,3,7,8-TCDF	8.6e+08	0.84	y	29:30	103.4	3.4	1.5557	1.5045	n
ES	13C-1,2,3,7,8-PeCDF	7.6e+08	1.67	y	32:50	99.05	-0.9	1.3640	1.3771	n
ES	13C-1,2,3,6,7,8-HxCDF	6.8e+08	0.49	y	35:29	112.0	12.0	1.5046	1.3431	n
ES	13C-1,2,3,4,6,7,8-HpCDF	4.1e+08	0.45	y	38:04	92.23	-7.8	0.9163	0.9935	n
JS	13C-1,2,3,4-TCDD	5.5e+08	0.82	y	29:44	273.8	-	-	-	n
JS	13C-1,2,3,7,8,9-HxCDD	4.5e+08	1.19	y	36:23	272.4	-	-	-	n
CS	37Cl-2,3,7,8-TCDD	5.9e+07	1.64	y	30:28	9.056	-9.4	1.0638	1.1747	n
CS	13C-2,3,4,7,8-PeCDF	7.4e+08	1.18	y	33:26	103.1	3.1	1.3451	1.3048	n
CS	13C-1,2,3,4,7,8-HxCDD	3.4e+08	0.49	y	36:05	89.33	-10.7	0.7658	0.8573	n
CS	13C-1,2,3,4,7,8-HxCDF	5.0e+08	0.45	y	35:24	89.48	-10.5	1.1148	1.2458	n
CS	13C-1,2,3,4,7,8,9-HpCDF	3.3e+08			39:52	88.52	-11.5	0.7250	0.8190	n
			1.64	y						
SS	37Cl-2,3,7,8-TCDD	5.9e+07	1.18	y	30:28	9.631	-3.7	1.0667	1.1075	n
SS	13C-2,3,4,7,8-PeCDF	7.4e+08	0.49	y	33:26	104.1	4.1	0.9861	0.9475	n
SS	13C-1,2,3,4,7,8-HxCDD	3.4e+08	0.45	y	36:05	83.16	-16.8	0.7468	0.8980	n
SS	13C-1,2,3,4,7,8-HxCDF	5.0e+08			35:24	79.82	-20.2	0.7409	0.9283	n
SS	13C-1,2,3,4,7,8,9-HpCDF	3.3e+08			39:52	95.98	-4.0	0.7913	0.8244	n
DPE	HxCDPE	*			NotFnd	*	-	-	-	n
DPE	HpCDPE	*			NotFnd	*	-	-	-	n

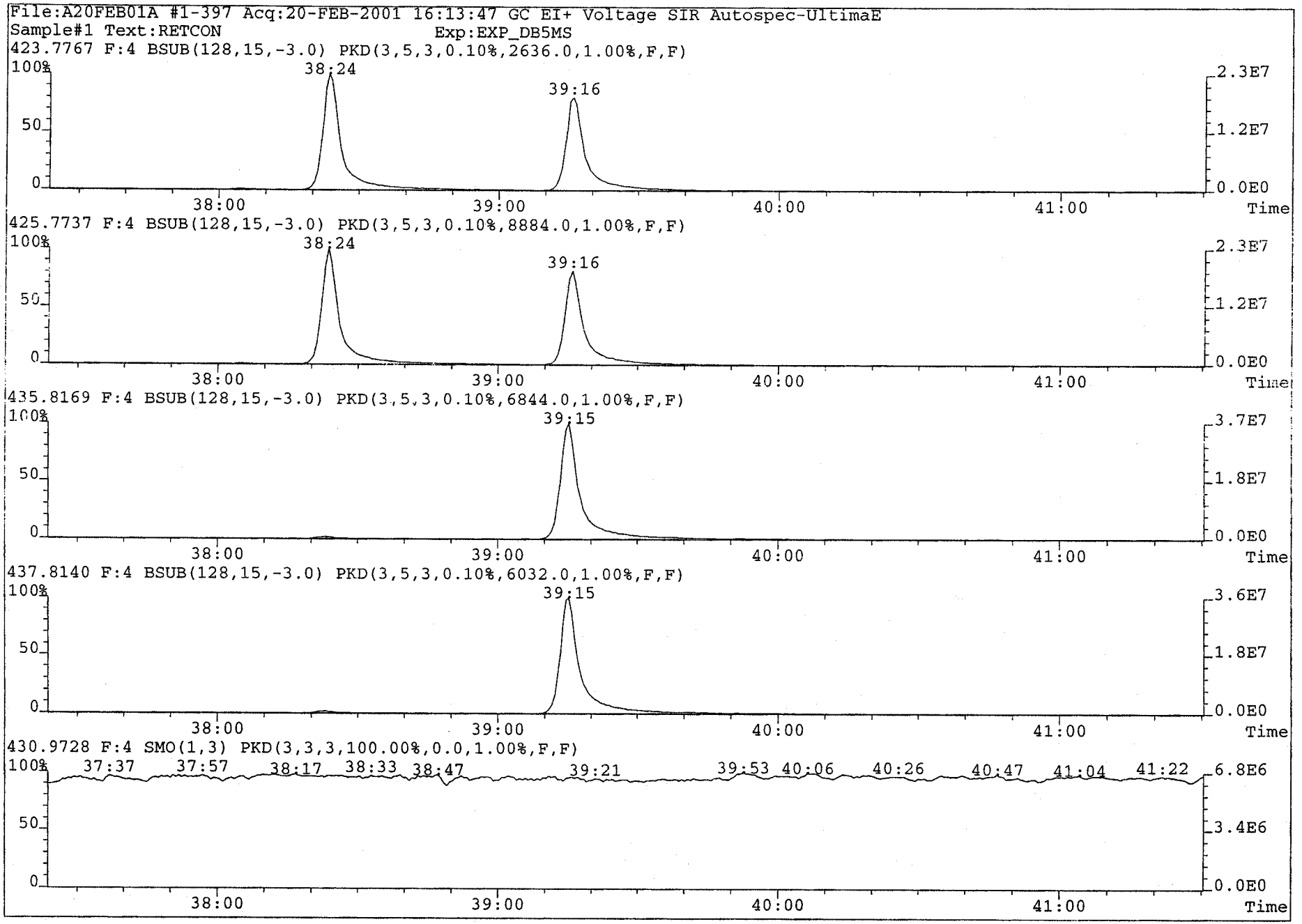
Filename ; a20feb01a
Sample ; 1
Acquired ; 20-FEB-01 16:13:47
Processed ; 21-FEB-01 08:09:07
Sample ID ; RETCON
Cal Table ; m1613-052699m
Results Table ;
Comments ;

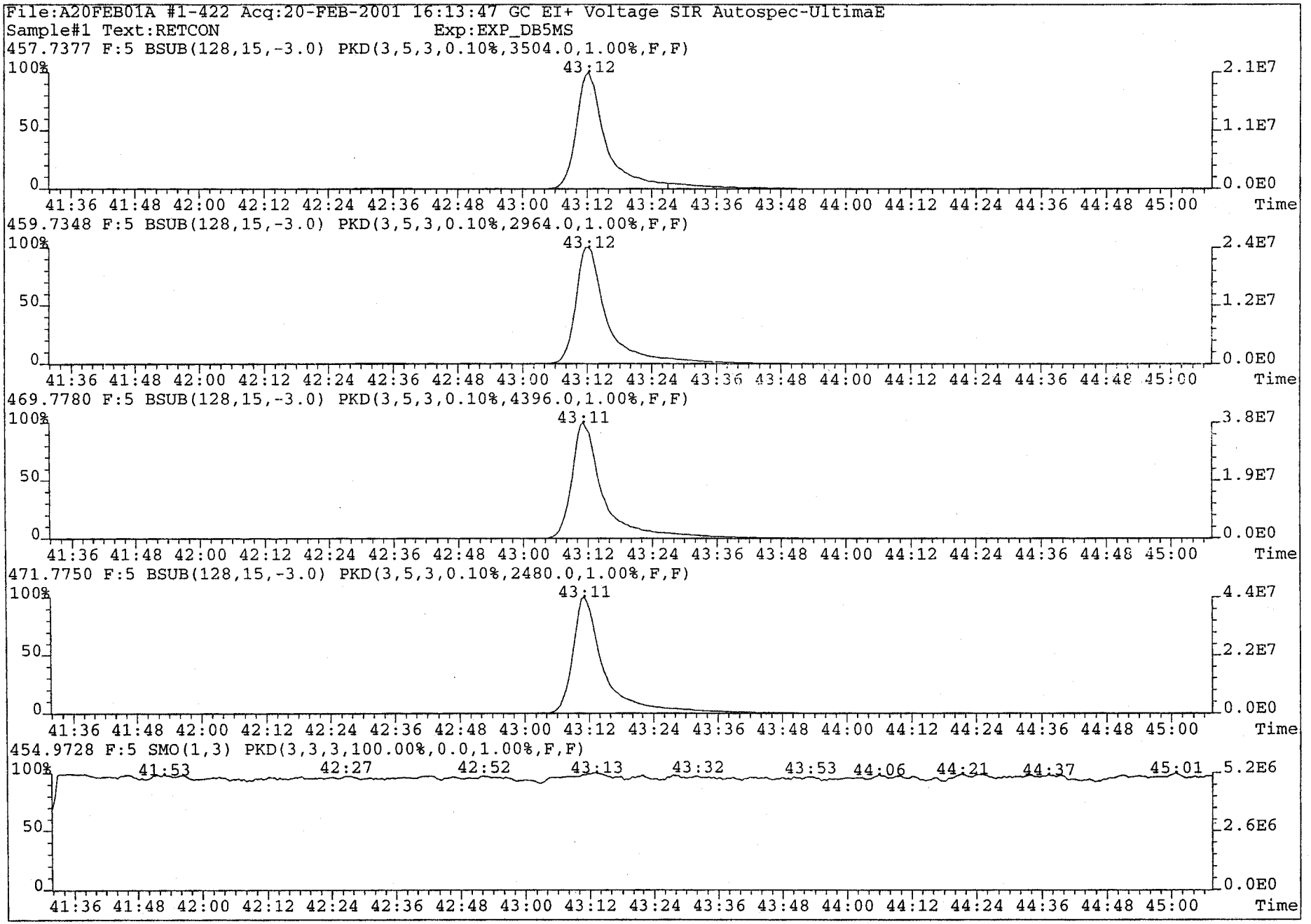
Typ	Name	Resp	RA;?;	RT	S/N1;?;	S/N;?;	Conc	Limits	mod?
Unk	2,3,7,8-TCDD	6.77e+07	0.82;y;	30:28	1743;y;	209;y;	10.386	7.8 - 12.9	no
Unk	1,2,3,7,8-PeCDD	2.60e+08	1.63;y;	33:38	4667;y;	1132;y;	52.843	39 - 65	no
Unk	1,2,3,4,7,8-HxCDD	1.94e+08	1.17;y;	36:05	1423;y;	20;y;	49.684	39 - 64	no
Unk	1,2,3,6,7,8-HxCDD	2.28e+08	1.17;y;	36:11	1416;y;	20;y;	50.991	39 - 64	no
Unk	1,2,3,7,8,9-HxCDD	2.30e+08	1.17;y;	36:25	1265;y;	18;y;	50.289	41 - 61	no
Unk	1,2,3,4,6,7,8-HpCDD	1.83e+08	1.00;y;	39:18	7131;y;	213;y;	50.011	43 - 58	no
Unk	OCDD	2.85e+08	0.83;y;	43:14	6039;y;	794;y;	99.313	79 - 126	no
Unk	2,3,7,8-TCDF	9.26e+07	0.75;y;	29:32	1623;y;	295;y;	9.542	8.4 - 12.0	no
Unk	1,2,3,7,8-PeCDF	3.90e+08	1.59;y;	32:51	643;y;	64;y;	48.968	41 - 60	no
Unk	2,3,4,7,8-PeCDF	4.05e+08	1.56;y;	33:27	638;y;	66;y;	47.725	41 - 61	no
Unk	1,2,3,4,7,8-HxCDF	3.20e+08	1.16;y;	35:24	1549;y;	109;y;	51.558	45 - 56	no
Unk	1,2,3,6,7,8-HxCDF	4.20e+08	1.17;y;	35:31	1544;y;	107;y;	51.599	44 - 57	no
Unk	2,3,4,6,7,8-HxCDF	3.33e+08	1.19;y;	35:59	1363;y;	92;y;	50.871	45 - 56	no
Unk	1,2,3,7,8,9-HxCDF	5.71e+08	1.20;y;	36:43	1670;y;	113;y;	103.357	88 - 114	no
Unk	1,2,3,4,6,7,8-HpCDF	3.01e+08	0.99;y;	38:06	757;y;	83;y;	49.986	45 - 55	no
Unk	1,2,3,4,7,8,9-HpCDF	2.35e+08	1.03;y;	39:55	469;y;	49;y;	49.547	43 - 58	no
Unk	OCDF	3.23e+08	0.81;y;	43:31	8591;y;	888;y;	91.760	63 - 159	no
ES/RT	13C-2,3,7,8-TCDD	5.52e+08	0.82;y;	30:27	7476;y;	1147;y;	93.973	82 - 121	no
ES	13C-1,2,3,7,8-PeCDD	4.77e+08	1.55;y;	33:38	21776;y;	1337;y;	96.344	62 - 160	no
ES	13C-1,2,3,4,7,8-HxCDD	3.44e+08	1.18;y;	36:05	12237;y;	1877;y;	89.330	85 - 117	no
ES	13C-1,2,3,6,7,8-HxCDD	4.60e+08	1.19;y;	36:11	13292;y;	2113;y;	107.437	85 - 118	no
ES	13C-1,2,3,4,6,7,8-HpCDD	3.63e+08	1.00;y;	39:17	5360;y;	602;y;	88.414	72 - 138	no
ES	13C-OCDD	5.33e+08	0.86;y;	43:14	8624;y;	1786;y;	166.613	96 - 415	no
ES/RT	13C-2,3,7,8-TCDF	8.62e+08	0.84;y;	29:30	18245;y;	2563;y;	103.401	71 - 140	no
ES	13C-1,2,3,7,8-PeCDF	7.55e+08	1.67;y;	32:51	56985;y;	2554;y;	99.054	76 - 130	no
ES	13C-2,3,4,7,8-PeCDF	7.45e+08	1.64;y;	33:26	56092;y;	2603;y;	103.091	77 - 130	no
ES	13C-1,2,3,4,7,8-HxCDF	5.00e+08	0.49;y;	35:24	17462;y;	2477;y;	89.482	76 - 131	no
ES	13C-1,2,3,6,7,8-HxCDF	6.75e+08	0.49;y;	35:31	19247;y;	2694;y;	112.020	70 - 143	no
ES	13C-2,3,4,6,7,8-HxCDF	5.67e+08	0.50;y;	35:58	15758;y;	2218;y;	100.511	73 - 137	no
ES	13C-1,2,3,7,8,9-HxCDF	4.33e+08	0.50;y;	36:42	10496;y;	1478;y;	93.048	74 - 135	no
ES	13C-1,2,3,4,6,7,8-HpCDF	4.11e+08	0.45;y;	38:06	1075;y;	116;y;	92.227	78 - 129	no
ES	13C-1,2,3,4,7,8,9-HpCDF	3.25e+08	0.45;y;	39:54	684;y;	69;y;	88.522	77 - 129	no
JS	13C-1,2,3,4-TCDD	5.54e+08	0.82;y;	29:44	8049;y;	1245;y;	273.814		no
JS	13C-1,2,3,7,8,9-HxCDD	4.49e+08	1.19;y;	36:25	11393;y;	1806;y;	272.442		no
CS	37Cl-2,3,7,8-TCDD	5.89e+07		30:28	2651;y		9.056	7.9 - 12.7	no
Tot	Total Tetra-Furans	3.09e+08	0.78;y;	25:15	1953;y;	327;y;	31.866		no
Tot	Total Tetra-Dioxins	3.58e+08	0.83;y;	26:58	1781;y;	210;y;	54.942		no
Tot	Total Penta-Furans Fn1	3.77e+08	0.65;y;	31:21	16673;y;	2069;y;	45.857		no

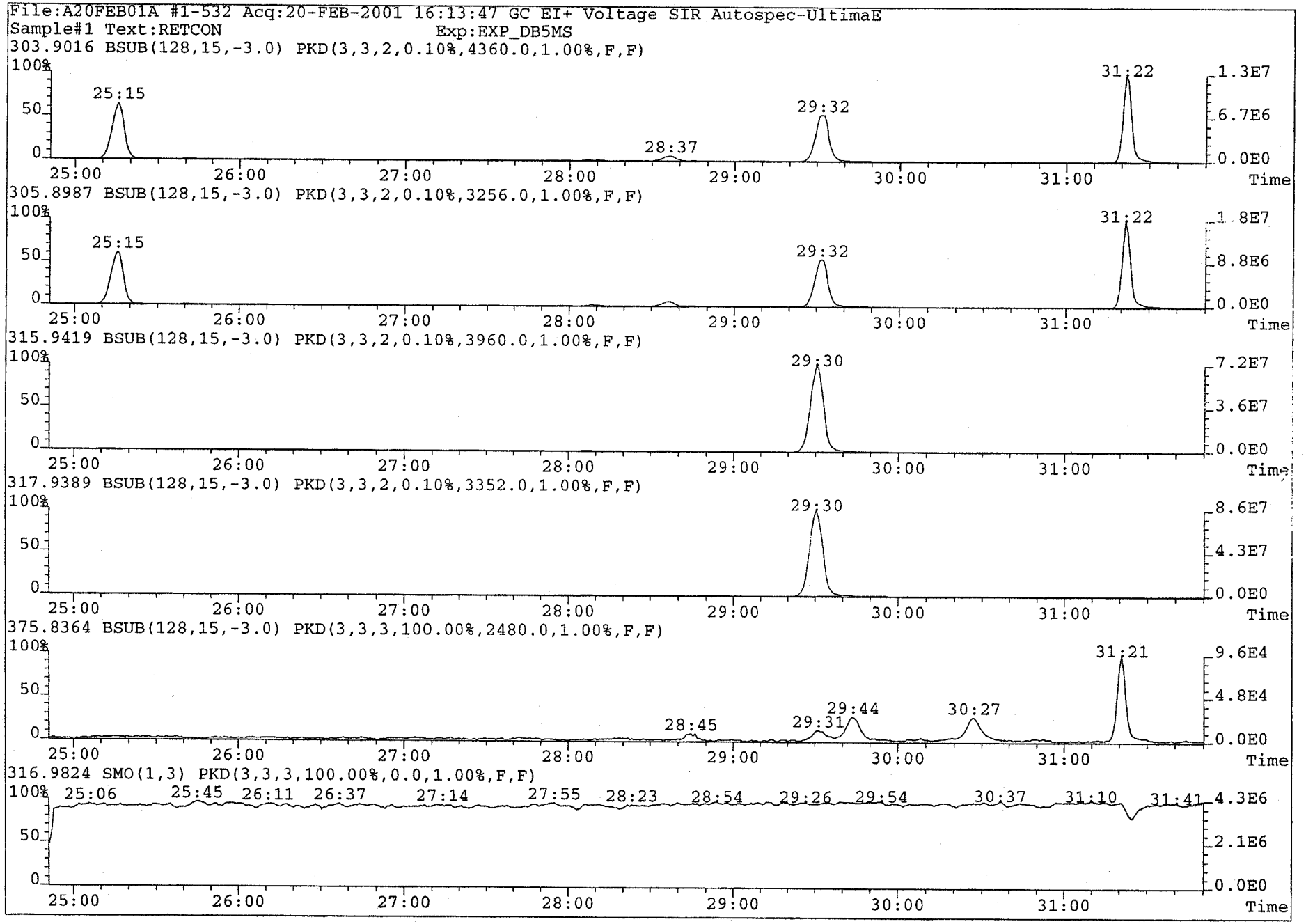

File:A20FEB01A #1-532 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
319.8965 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3020.0,1.00%,F,F)
26:59
29:45
30:07
30:28
31:17
6.5E6
3.3E6
0.0E0
321.8936 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3168.0,1.00%,F,F)
26:58
29:45
30:07
30:28
31:16
8.0E6
4.0E6
0.0E0
331.9368 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5884.0,1.00%,F,F)
29:44
30:26
4.7E7
2.4E7
0.0E0
333.9339 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4676.0,1.00%,F,F)
29:44
30:26
5.8E7
2.9E7
0.0E0
327.8847 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3848.0,1.00%,F,F)
30:28
1.0E7
5.1E6
0.0E0
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:06 25:45 26:11 26:37 27:14 27:55 28:23 28:54 29:26 29:54 30:37 31:10 31:41
4.3E6
2.1E6
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time

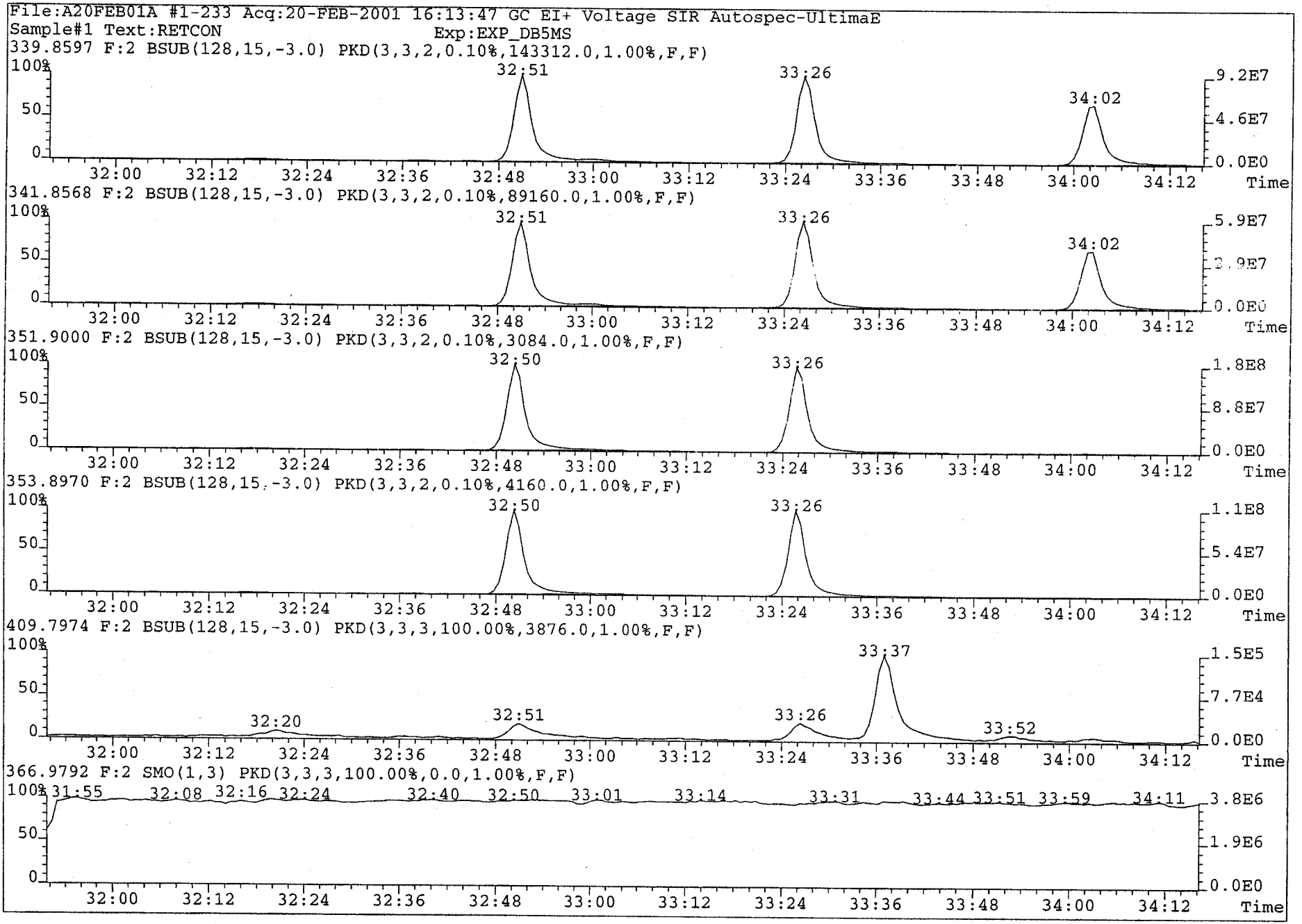

File:A20FEB01A #1-233 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
355.8546 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,11780.0,1.00%,F,F)
32:20
33:38
33:52
5.5E7
2.8E7
0.0E0
357.8517 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2920.0,1.00%,F,F)
32:20
33:38
33:52
3.3E7
1.7E7
0.0E0
367.8949 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4612.0,1.00%,F,F)
33:37
1.0E8
5.0E7
0.0E0
369.8919 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4816.0,1.00%,F,F)
33:37
6.4E7
3.2E7
0.0E0
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
31:55 32:08 32:16 32:24 32:40 32:50 33:01 33:14 33:31 33:44 33:51 33:59 34:11
3.8E6
1.9E6
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

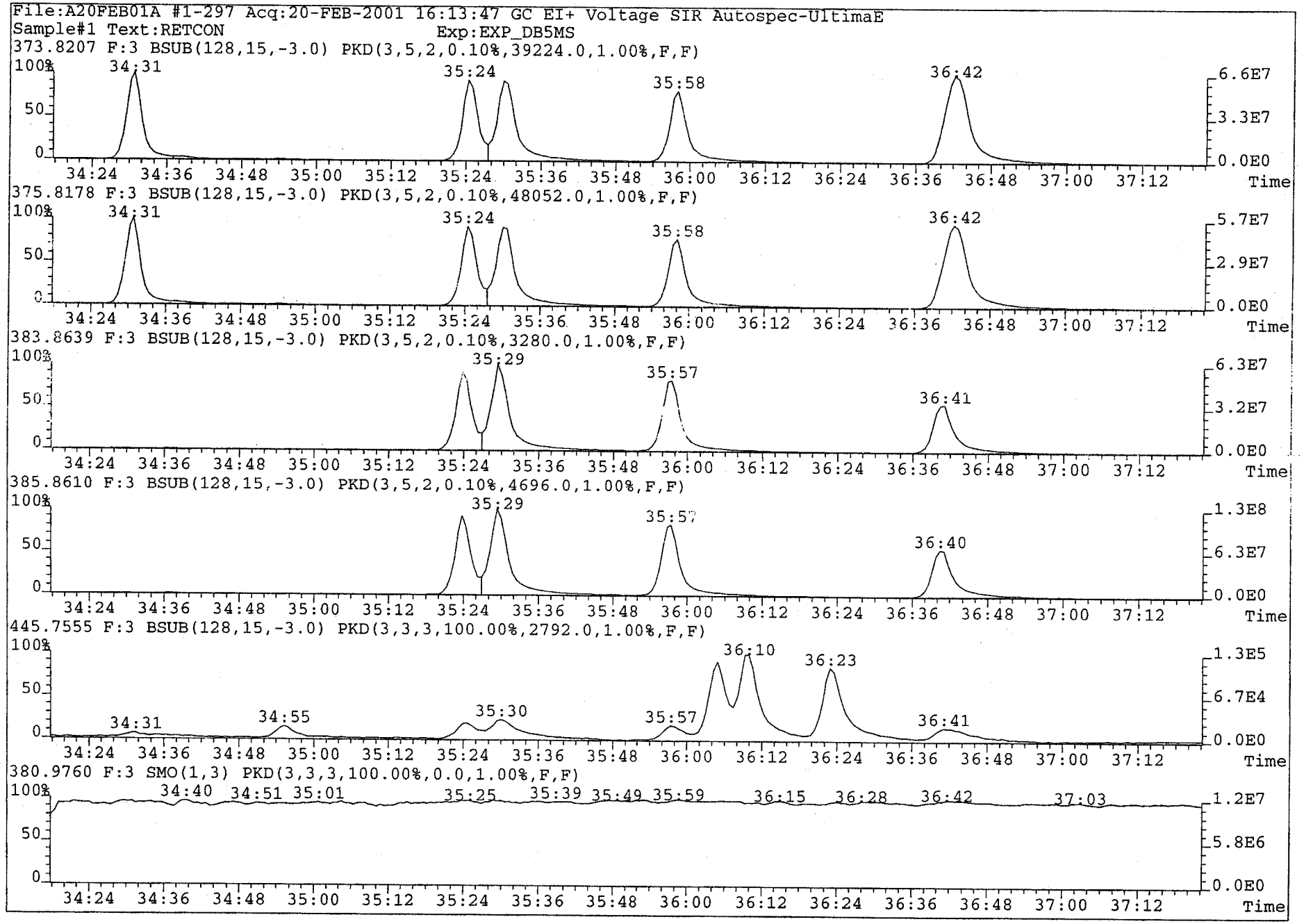

File:A20FEB01A #1-297 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
389.8156 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,23548.0,1.00%,F,F)
34:55
36:06
36:24
4.0E7
2.0E7
0.0E0
391.8127 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,142372.0,1.00%,F,F)
34:55
36:11
36:24
3.6E7
1.8E7
0.0E0
401.8559 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5048.0,1.00%,F,F)
36:09
36:23
6.7E7
3.4E7
0.0E0
403.8530 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2704.0,1.00%,F,F)
36:09
36:23
5.7E7
2.9E7
0.0E0
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:40 34:51 35:01 35:25 35:39 35:49 35:59 36:15 36:28 36:42 37:03
1.2E7
5.8E6
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

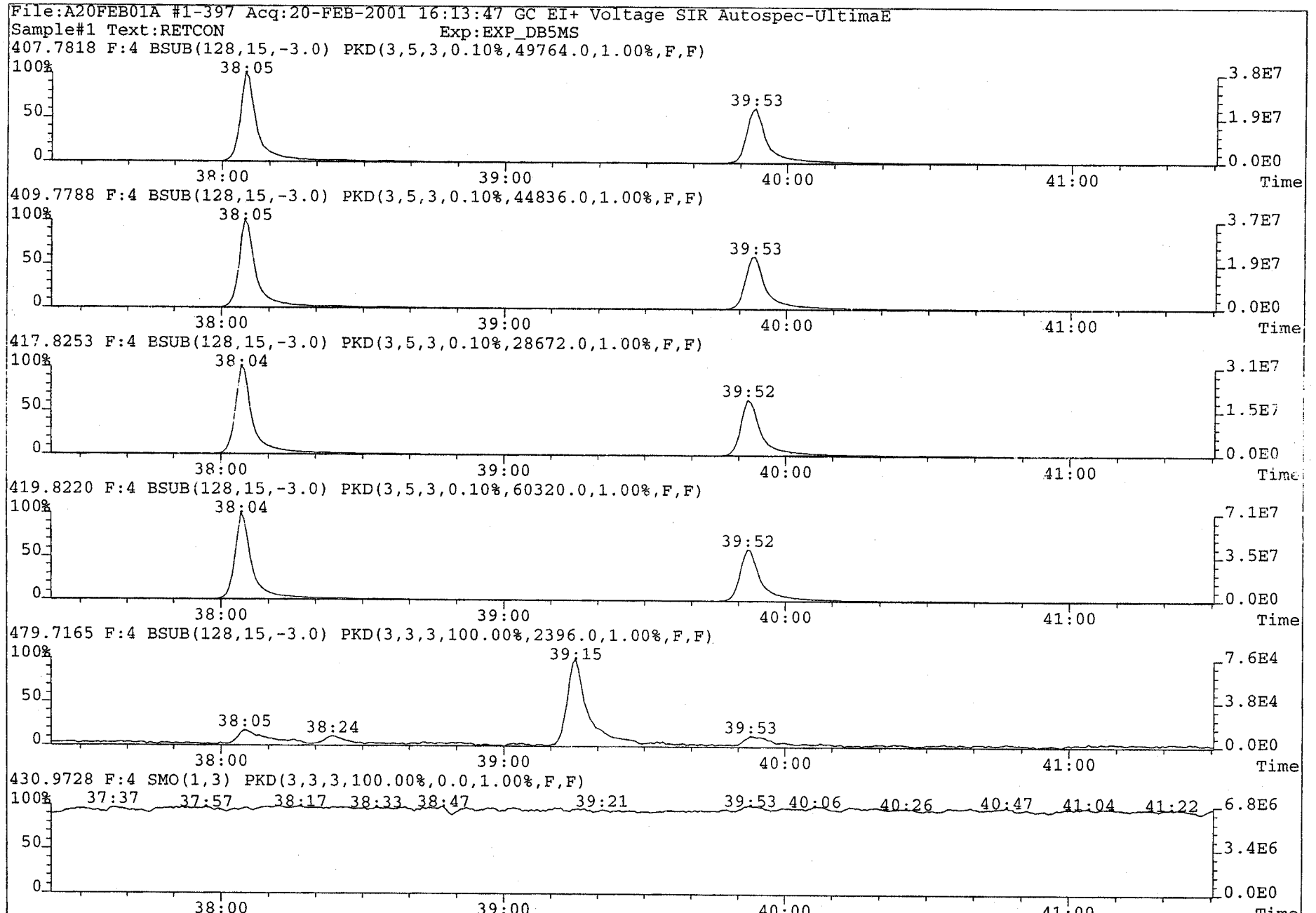

File:A20FEB01A #1-397 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON
Exp:EXP_DB5MS
423.7767 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2636.0,1.00%,F,F)
38:24
39:16
425.7737 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,8884.0,1.00%,F,F)
38:24
39:16
435.8169 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6844.0,1.00%,F,F)
39:15
437.8140 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,6032.0,1.00%,F,F)
39:15
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:37 37:57 38:17 38:33 38:47 39:21 39:53 40:06 40:26 40:47 41:04 41:22
100%
50
0
38:00
39:00
40:00
41:00
Time
2.3E7
1.2E7
0.0E0
3.7E7
1.8E7
3.6E7
6.8E6
3.4E6

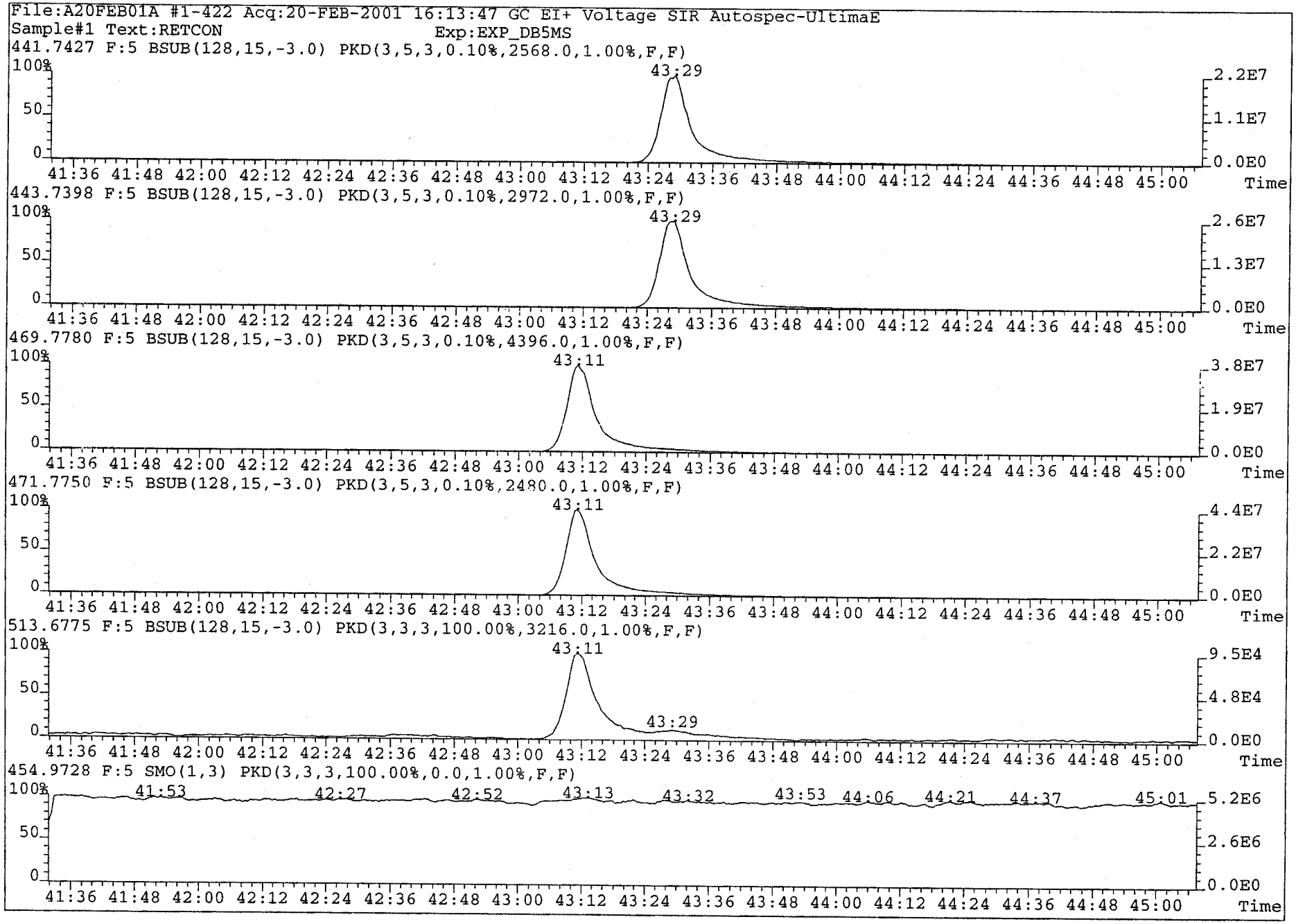

File:A20FEB01A #1-422 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
457.7377 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3504.0,1.00%,F,F)
43:12
459.7348 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2964.0,1.00%,F,F)
43:12
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4396.0,1.00%,F,F)
43:11
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2480.0,1.00%,F,F)
43:11
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:53 42:27 42:52 43:13 43:32 43:53 44:06 44:21 44:37 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

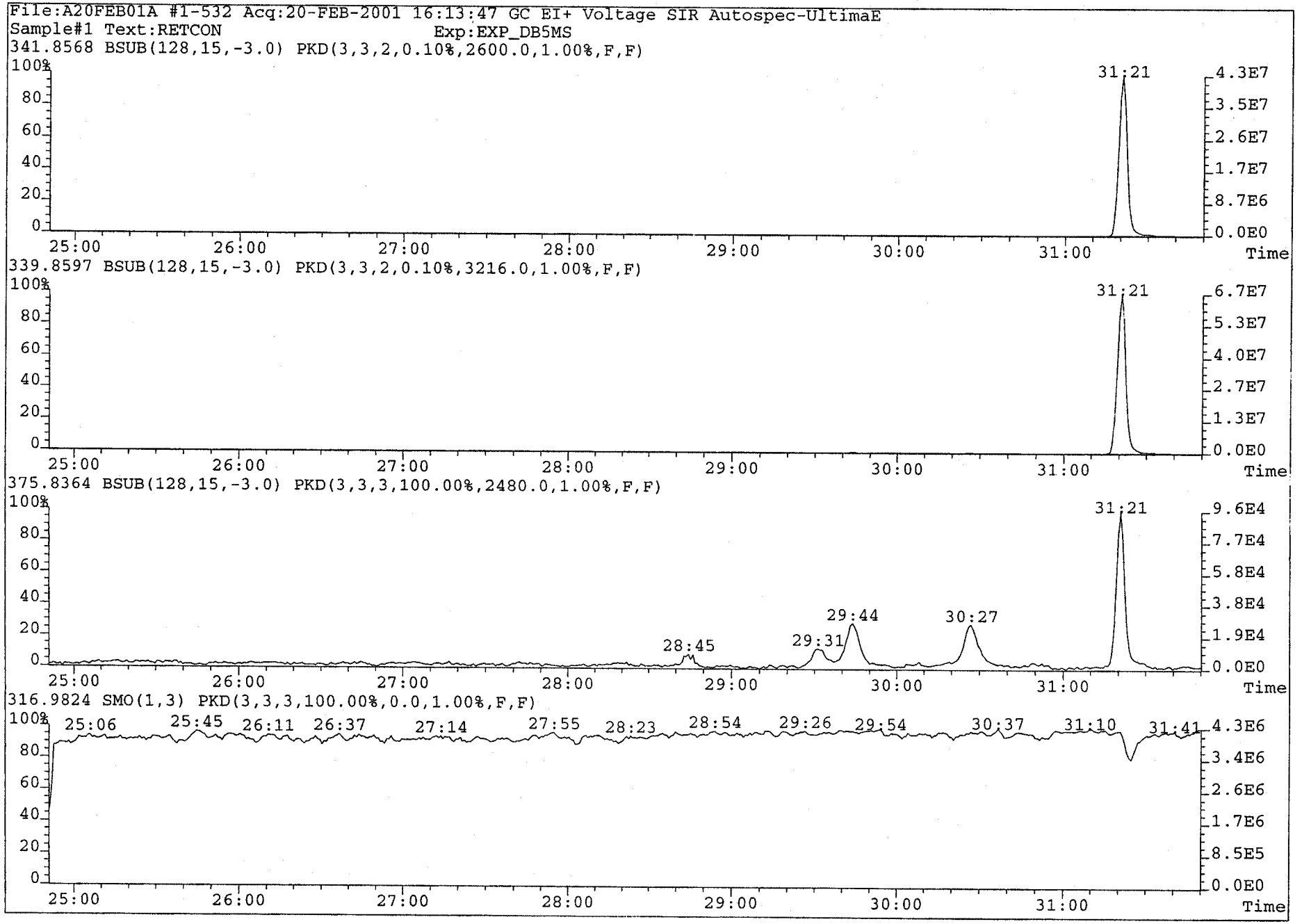

File:A20FEB01A #1-532 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
303.9016 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4360.0,1.00%,F,F)
25:15
28:37
29:32
31:22
1.3E7
6.7E6
0.0E0
305.8987 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3256.0,1.00%,F,F)
25:15
29:32
31:22
1.8E7
8.8E6
0.0E0
315.9419 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3960.0,1.00%,F,F)
29:30
7.2E7
3.6E7
0.0E0
317.9389 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3352.0,1.00%,F,F)
29:30
8.6E7
4.3E7
0.0E0
375.8364 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2480.0,1.00%,F,F)
28:45
29:31
29:44
30:27
31:21
9.6E4
4.8E4
0.0E0
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:06 25:45 26:11 26:37 27:14 27:55 28:23 28:54 29:26 29:54 30:37 31:10 31:41
4.3E6
2.1E6
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time


File:A20FEB01A #1-233 Acq:20-FEB-2001 16:13:47 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%,143312.0,1.00%,F,F)
32:51
33:26
34:02
9.2E7
4.6E7
0.0E0
341.8568 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,89160.0,1.00%,F,F)
32:51
33:26
34:02
5.9E7
0.0E0
351.9000 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3084.0,1.00%,F,F)
32:50
33:26
1.8E8
8.8E7
0.0E0
353.8970 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4160.0,1.00%,F,F)
32:50
33:26
1.1E8
5.4E7
0.0E0
409.7974 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3876.0,1.00%,F,F)
33:37
32:20
32:51
33:26
33:52
1.5E5
7.7E4
0.0E0
366.9792 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
31:55
32:08
32:16
32:24
32:40
32:50
33:01
33:14
33:31
33:44
33:51
33:59
34:11
3.8E6
1.9E6
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:A20FEB01A #1-297 Acq:20-FEB-2001 16:13:47 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%,39224.0,1.00%,F,F)
34:31
35:24
35:58
36:42
6.6E7
3.3E7
0.0E0
375.8178 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,48052.0,1.00%,F,F)
34:31
35:24
35:58
36:42
5.7E7
2.9E7
0.0E0
383.8639 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3280.0,1.00%,F,F)
35:29
35:57
36:41
6.3E7
3.2E7
0.0E0
385.8610 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,4696.0,1.00%,F,F)
35:29
35:57
36:40
1.3E8
6.3E7
0.0E0
445.7555 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2792.0,1.00%,F,F)
34:31
34:55
35:30
35:57
36:10
36:23
36:41
1.3E5
6.7E4
0.0E0
380.9760 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:40
34:51
35:01
35:25
35:39
35:49
35:59
36:15
36:28
36:42
37:03
1.2E7
5.8E6
0.0E0
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:A20FEB01A #1-397 Acq:20-FEB-2001 16:13:47 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%,49764.0,1.00%,F,F)
38:05
39:53
3.8E7
1.9E7
0.0E0
409.7788 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,44836.0,1.00%,F,F)
38:05
39:53
3.7E7
1.9E7
0.0E0
417.8253 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,28672.0,1.00%,F,F)
38:04
39:52
3.1E7
1.5E7
0.0E0
419.8220 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,60320.0,1.00%,F,F)
38:04
39:52
7.1E7
3.5E7
0.0E0
479.7165 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2396.0,1.00%,F,F)
39:15
38:05
38:24
39:53
7.6E4
3.8E4
0.0E0
430.9728 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:37 37:57 38:17 38:33 38:47 39:21 39:53 40:06 40:26 40:47 41:04 41:22
6.8E6
3.4E6
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time


File:A20FEB01A #1-422 Acq:20-FEB-2001 16:13:47 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%,2568.0,1.00%,F,F)
43:29
443.7398 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2972.0,1.00%,F,F)
43:29
469.7780 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4396.0,1.00%,F,F)
43:11
471.7750 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2480.0,1.00%,F,F)
43:11
513.6775 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3216.0,1.00%,F,F)
43:11
43:29
454.9728 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:53 42:27 42:52 43:13 43:32 43:53 44:06 44:21 44:37 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

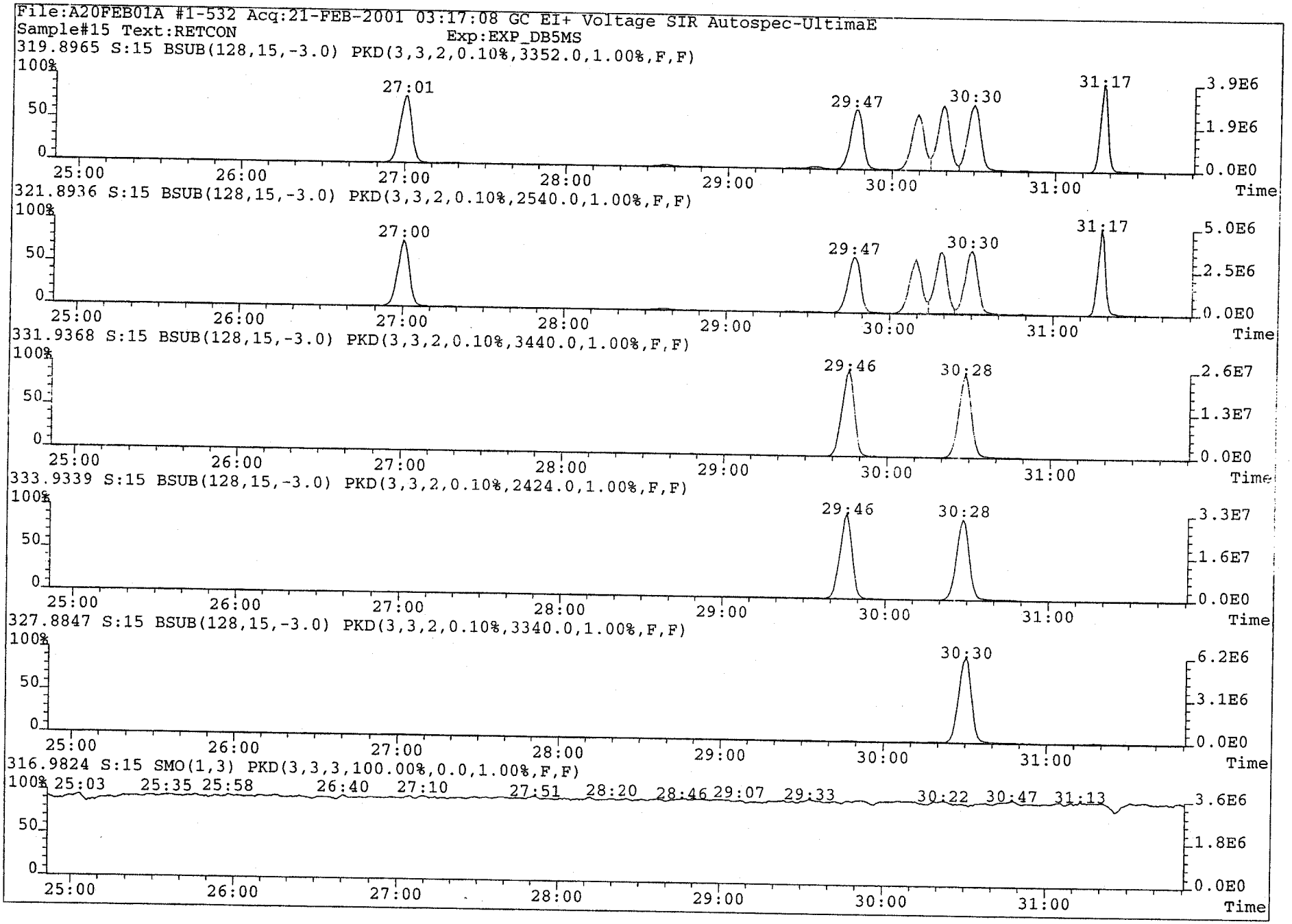

File:A20FEB01A #1-532 Acq:20-FEB-2001 16:13:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:RETCON Exp:EXP_DB5MS
341.8568 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2600.0,1.00%,F,F)
31:21
339.8597 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3216.0,1.00%,F,F)
31:21
375.8364 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2480.0,1.00%,F,F)
28:45
29:31
29:44
30:27
31:21
316.9824 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:06
25:45
26:11
26:37
27:14
27:55
28:23
28:54
29:26
29:54
30:37
31:10
31:41
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time

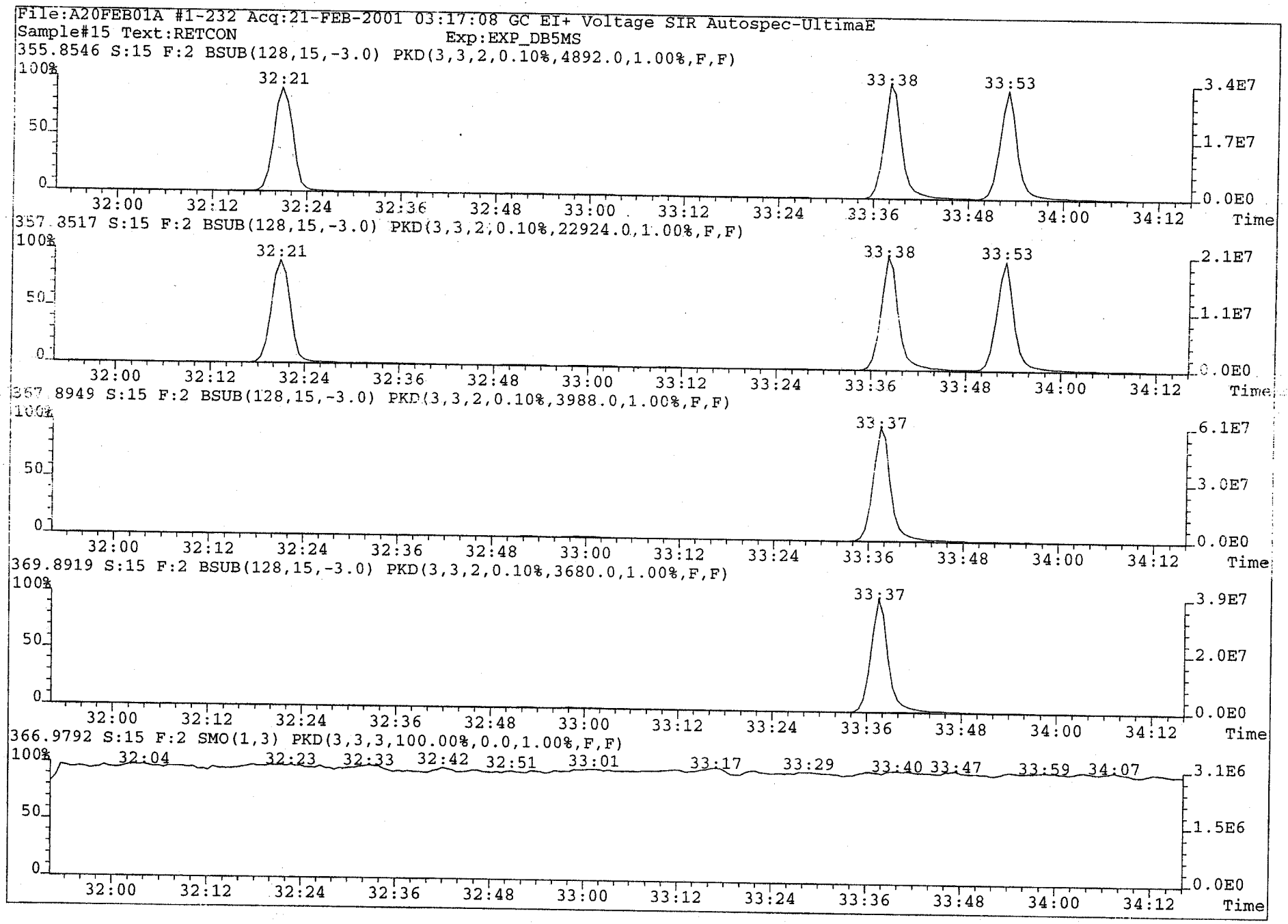
Run #7 Filename a20feb01a S: 15 I: 1 Acquired: 21-FEB-01 03:17:08 Processed: 21-FEB-01 08:07:13
Run: a17may99m Analyte: m8290-020» Cal: m8290-052» Results: Quan : V3.6 31-JUL-1998 10:51:59
Sample text: RETCON Comments: OPUS : V3.6X 31-JUL-1998 11:15:12

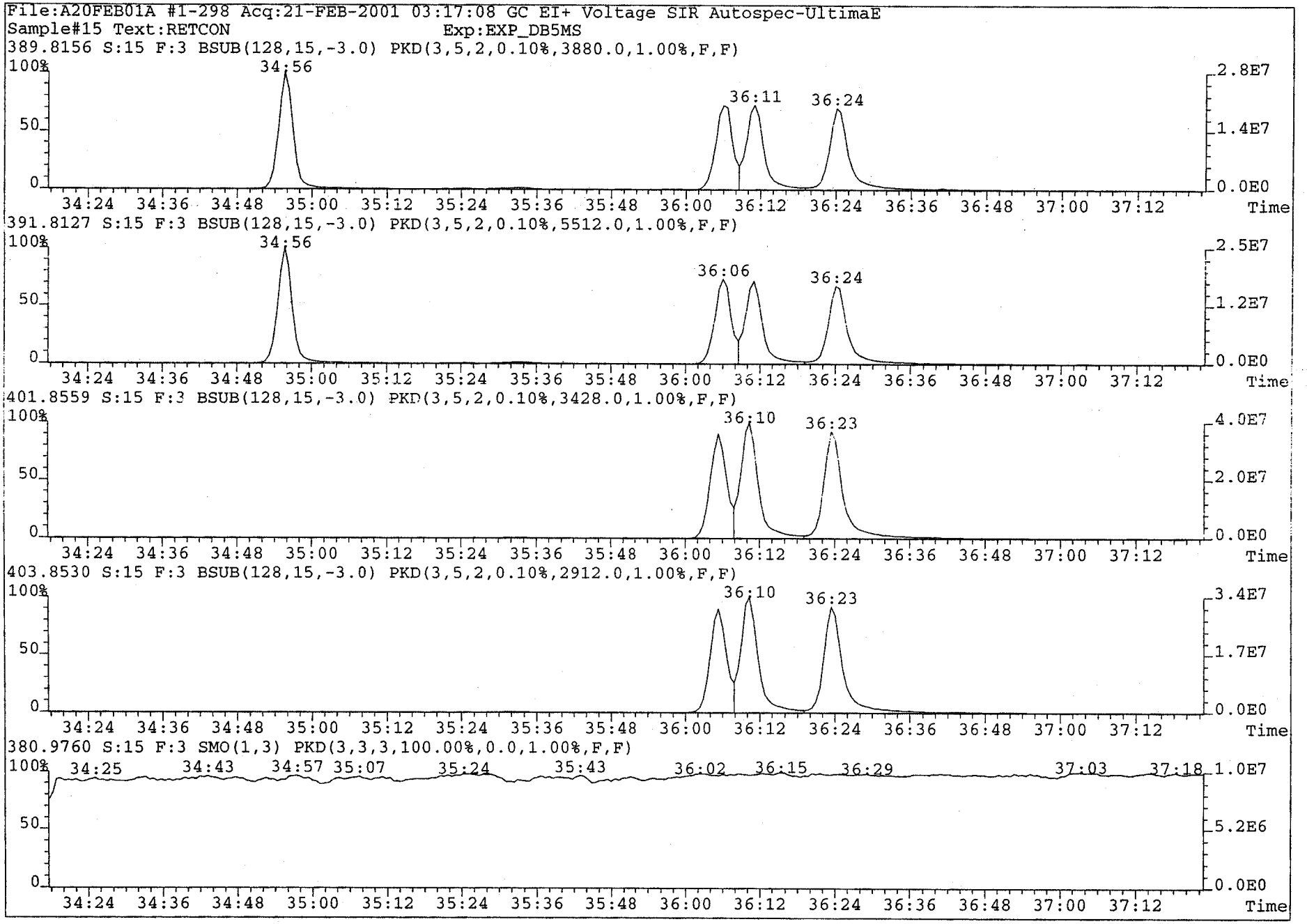
Typ	Name	Resp	RA		RT	Conc	Dev'n	CCAL RRF	ICAL RRF	Mod?
Unk	2,3,7,8-TCDD	3.5e+07	0.82	y	30:30	10.08	0.8	1.1906	1.1810	n
Unk	1,2,3,7,8-PeCDD	1.4e+08	1.60	y	33:38	54.57	9.1	1.1240	1.0298	n
Unk	1,2,3,4,7,8-HxCDD	1.1e+08	1.15	y	36:06	46.63	-6.7	0.9526	1.0214	n
Unk	1,2,3,6,7,8-HxCDD	1.2e+08	1.16	y	36:11	52.25	4.5	1.0149	0.9712	n
Unk	1,2,3,7,8,9-HxCDD	1.3e+08	1.15	y	36:24	50.17	0.3	1.0820	1.0784	n
Unk	1,2,3,4,6,7,8-HpCDD	1.1e+08	1.05	y	39:16	50.76	1.5	1.0220	1.0066	n
Unk	OCDD	1.7e+08	0.85	y	43:13	102.3	2.3	1.1010	1.0759	n
Unk	2,3,7,8-TCDF	4.9e+07	0.75	y	29:34	9.520	-4.8	1.0725	1.1266	n
Unk	1,2,3,7,8-PeCDF	2.2e+08	1.55	y	32:51	49.74	-0.5	1.0493	1.0549	n
Unk	2,3,4,7,8-PeCDF	2.2e+08	1.53	y	33:27	47.11	-5.8	1.0172	1.0795	n
Unk	1,2,3,4,7,8-HxCDF	2.0e+08	1.19	y	35:26	49.51	-1.0	1.1370	1.1483	n
Unk	1,2,3,6,7,8-HxCDF	2.2e+08	1.15	y	35:31	51.95	3.9	1.2514	1.2044	n
Unk	2,3,4,6,7,8-HxCDF	1.8e+08	1.18	y	35:59	49.10	-1.8	1.0623	1.0817	n
Unk	1,2,3,7,8,9-HxCDF	3.3e+08	1.21	y	36:43	96.25	-3.7	0.9482	0.9851	n
Unk	1,2,3,4,6,7,8-HpCDF	1.8e+08	1.00	y	38:06	51.05	2.1	1.4950	1.4641	n
Unk	1,2,3,4,7,8,9-HpCDF	1.4e+08	1.02	y	39:54	49.69	-0.6	1.1929	1.2004	n
Unk	OCDF	1.9e+08	0.85	y	43:29	93.81	-6.2	1.2369	1.3185	n
ES/RT	13C-2,3,7,8-TCDD	3.0e+08	0.79	y	30:28	95.33	-4.7	1.0117	1.0612	n
ES	13C-1,2,3,7,8-PeCDD	2.5e+08	1.57	y	33:37	95.88	-4.1	0.8576	0.8944	n
ES	13C-1,2,3,6,7,8-HxCDD	2.4e+08	1.18	y	36:10	103.6	3.6	0.9889	0.9544	n
ES	13C-1,2,3,4,6,7,8-HpCDD	2.1e+08	1.02	y	39:16	95.91	-4.1	0.8780	0.9154	n
ES	13C-OCDD	3.1e+08	0.86	y	43:12	180.3	-9.8	0.6426	0.7127	n
ES/RT	13C-2,3,7,8-TCDF	4.6e+08	0.81	y	29:32	103.8	3.8	1.5614	1.5045	n
ES	13C-1,2,3,7,8-PeCDF	4.3e+08	1.58	y	32:51	106.4	6.4	1.4650	1.3771	n
ES	13C-1,2,3,6,7,8-HxCDF	3.4e+08	0.50	y	35:30	105.5	5.5	1.4167	1.3431	n
ES	13C-1,2,3,4,6,7,8-HpCDF	2.4e+08	0.45	y	38:05	97.91	-2.1	0.9727	0.9935	n
JS	13C-1,2,3,4-TCDD	2.9e+08	0.81	y	29:46	144.5	-	-	-	n
JS	13C-1,2,3,7,8,9-HxCDD	2.4e+08	1.18	y	36:23	147.6	-	-	-	n
CS	37Cl-2,3,7,8-TCDD	3.3e+07	1.58	y	30:30	9.488	-5.1	1.1145	1.1747	n
CS	13C-2,3,4,7,8-PeCDF	4.0e+08	1.17	y	33:26	104.4	4.4	1.3625	1.3048	n
CS	13C-1,2,3,4,7,8-HxCDD	2.0e+08	0.50	y	36:05	95.54	-4.5	0.8191	0.8573	n
CS	13C-1,2,3,4,7,8-HxCDF	3.0e+08	0.46	y	35:24	98.59	-1.4	1.2282	1.2458	n
CS	13C-1,2,3,4,7,8,9-HpCDF	1.9e+08			39:53	95.79	-4.2	0.7845	0.8190	n
			1.58	y						
SS	37Cl-2,3,7,8-TCDD	3.3e+07	1.17	y	30:30	9.947	-0.5	1.1017	1.1075	n
SS	13C-2,3,4,7,8-PeCDF	4.0e+08	0.50	y	33:26	98.16	-1.8	0.9300	0.9475	n
SS	13C-1,2,3,4,7,8-HxCDD	2.0e+08	0.46	y	36:05	92.22	-7.8	0.8282	0.8980	n
SS	13C-1,2,3,4,7,8-HxCDF	3.0e+08			35:24	93.39	-6.6	0.8670	0.9283	n
SS	13C-1,2,3,4,7,8,9-HpCDF	1.9e+08			39:53	97.83	-2.2	0.8065	0.8244	n
DPE	HxCDPE	*			NotFnd	*	-	-	-	n
DPE	HpCDPE	*			NotFnd	*	-	-	-	n

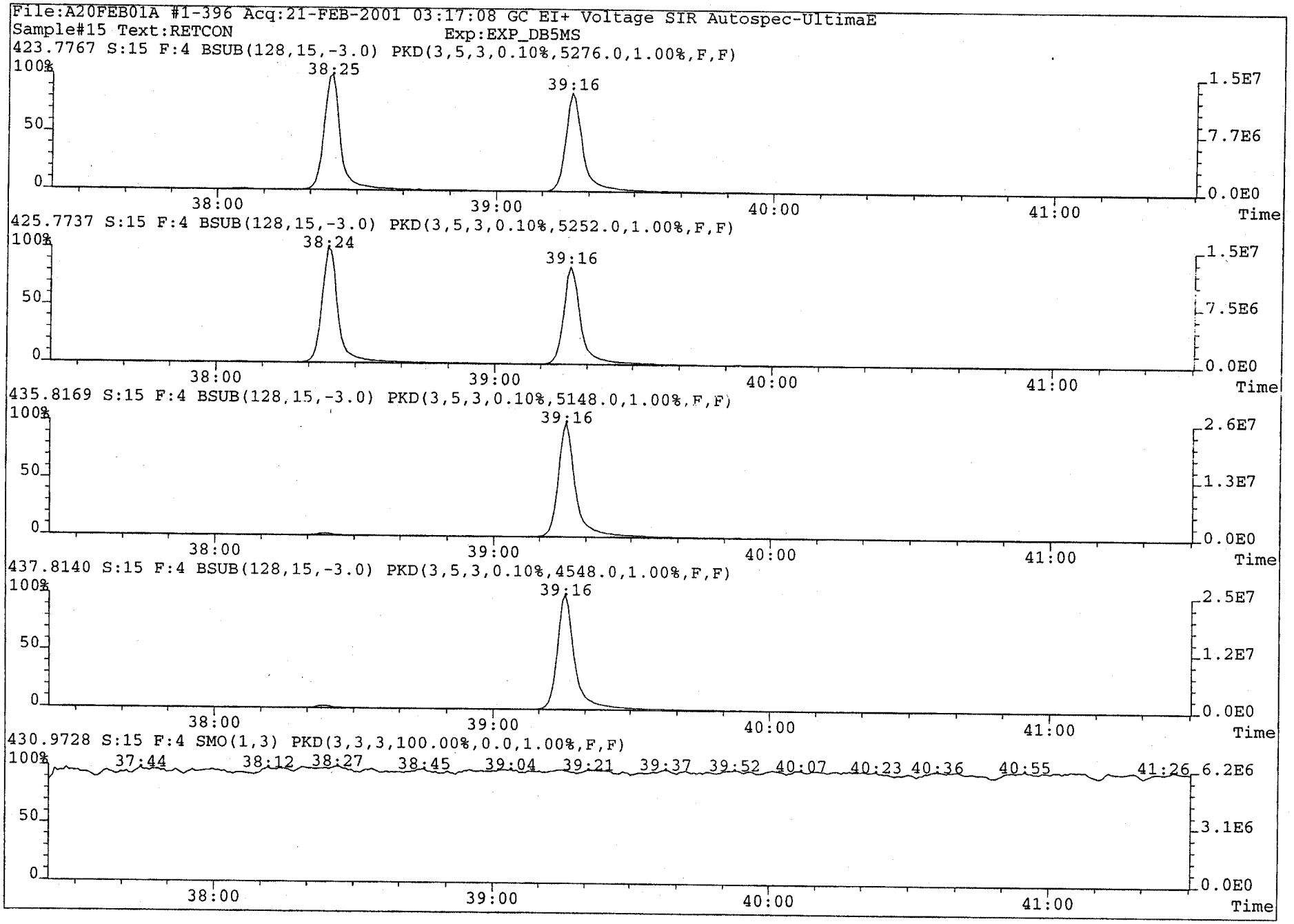
Filename ; a20feb01a
Sample ; 15
Acquired ; 21-FEB-01 03:17:08
Processed ; 21-FEB-01 08:10:16
Sample ID ; RETCON
Cal Table ; m1613-052699m
Results Table ;
Comments ;

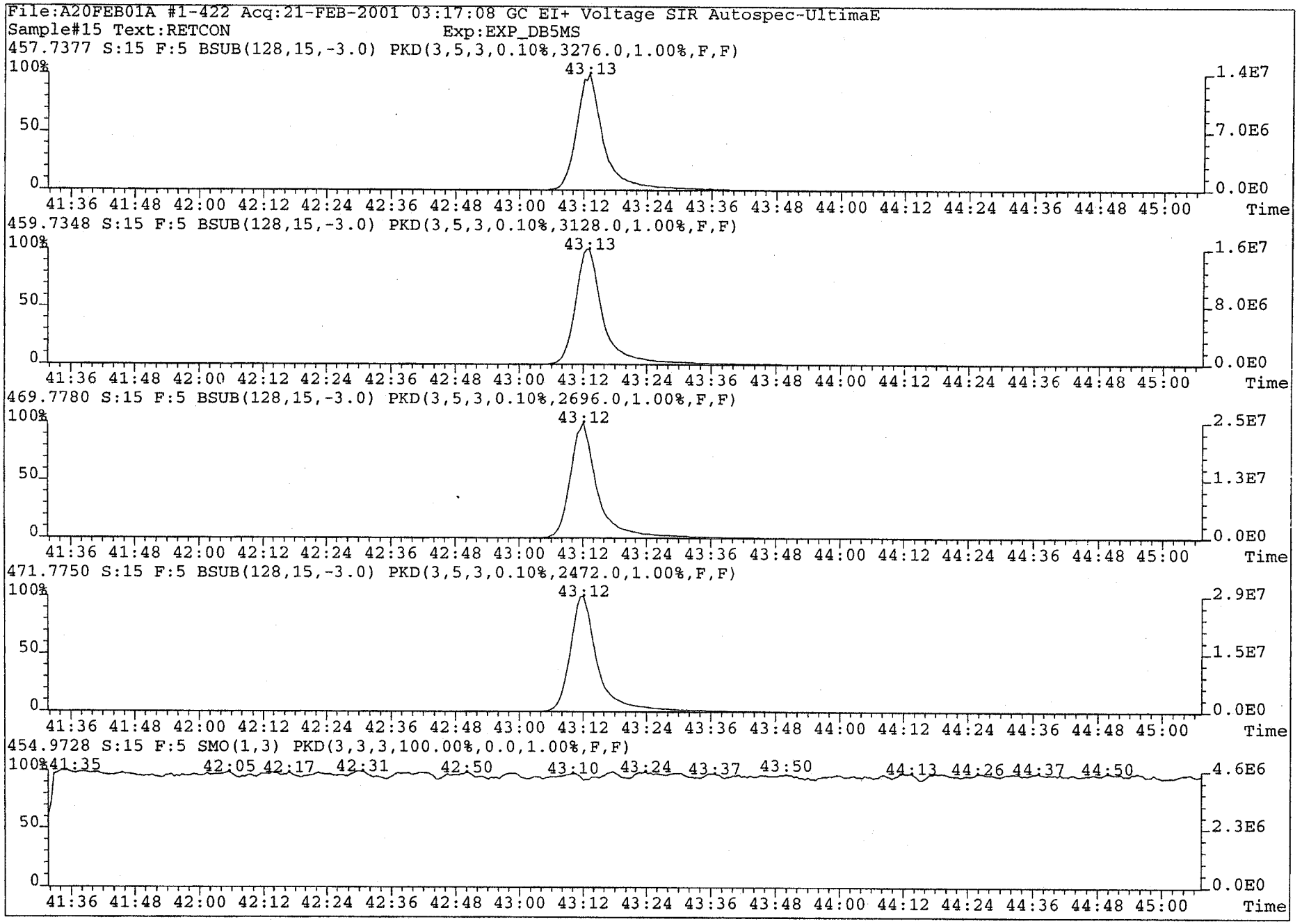
Typ	Name	Resp	RA;?;	RT	S/N1;?;	S/N;?;	Conc	Limits	mod?
Unk	2,3,7,8-TCDD	3.52e+07	0.82;y;	30:30	894;y;	144;y;	10.081	7.8 - 12.9	no
Unk	1,2,3,7,8-PeCDD	1.41e+08	1.60;y;	33:39	6947;y;	92;y;	54.574	39 - 65	no
Unk	1,2,3,4,7,8-HxCDD	1.15e+08	1.15;y;	36:06	5141;y;	326;y;	50.555	39 - 64	no
Unk	1,2,3,6,7,8-HxCDD	1.22e+08	1.16;y;	36:11	5178;y;	317;y;	52.250	39 - 64	no
Unk	1,2,3,7,8,9-HxCDD	1.30e+08	1.15;y;	36:25	4982;y;	300;y;	52.077	41 - 61	no
Unk	1,2,3,4,6,7,8-HpCDD	1.09e+08	1.05;y;	39:17	2502;y;	242;y;	50.761	43 - 58	no
Unk	OCDD	1.72e+08	0.85;y;	43:14	4248;y;	511;y;	102.336	79 - 126	no
Unk	2,3,7,8-TCDF	4.90e+07	0.75;y;	29:34	746;y;	116;y;	9.520	8.4 - 12.0	no
Unk	1,2,3,7,8-PeCDF	2.25e+08	1.55;y;	32:52	1031;y;	103;y;	49.736	41 - 60	no
Unk	2,3,4,7,8-PeCDF	2.18e+08	1.53;y;	33:27	978;y;	99;y;	47.994	41 - 61	no
Unk	1,2,3,4,7,8-HxCDF	1.96e+08	1.19;y;	35:25	4169;y;	388;y;	52.923	45 - 56	no
Unk	1,2,3,6,7,8-HxCDF	2.16e+08	1.15;y;	35:31	3768;y;	377;y;	51.919	44 - 57	no
Unk	2,3,4,6,7,8-HxCDF	1.83e+08	1.18;y;	35:59	3310;y;	322;y;	52.249	45 - 56	no
Unk	1,2,3,7,8,9-HxCDF	3.27e+08	1.21;y;	36:43	4181;y;	387;y;	103.132	88 - 114	no
Unk	1,2,3,4,6,7,8-HpCDF	1.77e+08	1.00;y;	38:06	1688;y;	158;y;	51.054	45 - 55	no
Unk	1,2,3,4,7,8,9-HpCDF	1.41e+08	1.02;y;	39:54	1103;y;	102;y;	50.785	43 - 58	no
Unk	OCDF	1.93e+08	0.85;y;	43:30	6675;y;	896;y;	93.739	63 - 159	no
ES/RT	13C-2,3,7,8-TCDD	2.96e+08	0.79;y;	30:28	7343;y;	1288;y;	95.334	82 - 121	no
ES	13C-1,2,3,7,8-PeCDD	2.51e+08	1.57;y;	33:38	15185;y;	1065;y;	95.881	62 - 160	no
ES	13C-1,2,3,4,7,8-HxCDD	1.99e+08	1.17;y;	36:05	10617;y;	1061;y;	95.541	85 - 117	no
ES	13C-1,2,3,6,7,8-HxCDD	2.41e+08	1.18;y;	36:11	11753;y;	1179;y;	103.616	85 - 118	no
ES	13C-1,2,3,4,6,7,8-HpCDD	2.14e+08	1.02;y;	39:16	4979;y;	544;y;	95.912	72 - 138	no
ES	13C-OCDD	3.13e+08	0.86;y;	43:13	9347;y;	1175;y;	180.307	96 - 415	no
ES/RT	13C-2,3,7,8-TCDF	4.56e+08	0.81;y;	29:32	12118;y;	1418;y;	103.781	71 - 140	no
ES	13C-1,2,3,7,8-PeCDF	4.28e+08	1.58;y;	32:51	18735;y;	1534;y;	106.384	76 - 130	no
ES	13C-2,3,4,7,8-PeCDF	3.98e+08	1.58;y;	33:27	17470;y;	1524;y;	104.420	77 - 130	no
ES	13C-1,2,3,4,7,8-HxCDF	2.99e+08	0.50;y;	35:24	10047;y;	1991;y;	98.586	76 - 131	no
ES	13C-1,2,3,6,7,8-HxCDF	3.45e+08	0.50;y;	35:31	10314;y;	2078;y;	105.474	70 - 143	no
ES	13C-2,3,4,6,7,8-HxCDF	3.03e+08	0.50;y;	35:58	9519;y;	1907;y;	99.187	73 - 137	no
ES	13C-1,2,3,7,8,9-HxCDF	2.48e+08	0.51;y;	36:42	6887;y;	1356;y;	98.469	74 - 135	no
ES	13C-1,2,3,4,6,7,8-HpCDF	2.37e+08	0.45;y;	38:05	6485;y;	196;y;	97.912	78 - 129	no
ES	13C-1,2,3,4,7,8,9-HpCDF	1.91e+08	0.46;y;	39:54	4180;y;	128;y;	95.787	77 - 129	no
JS	13C-1,2,3,4-TCDD	2.92e+08	0.81;y;	29:46	7590;y;	1359;y;	144.543		no
JS	13C-1,2,3,7,8,9-HxCDD	2.43e+08	1.18;y;	36:25	10841;y;	1084;y;	147.605		no
CS	37Cl-2,3,7,8-TCDD	3.26e+07		30:30	1846;y		9.488	7.9 - 12.7	no
Tot	Total Tetra-Furans	1.66e+08	0.75;y;	25:17	820;y;	131;y;	32.221		no
Tot	Total Tetra-Dioxins	1.94e+08	0.80;y;	27:00	899;y;	150;y;	55.469		no
Tot	Total Penta-Furans Fn1	1.85e+08	0.65;y;	31:22	7226;y;	1478;y;	40.880		no

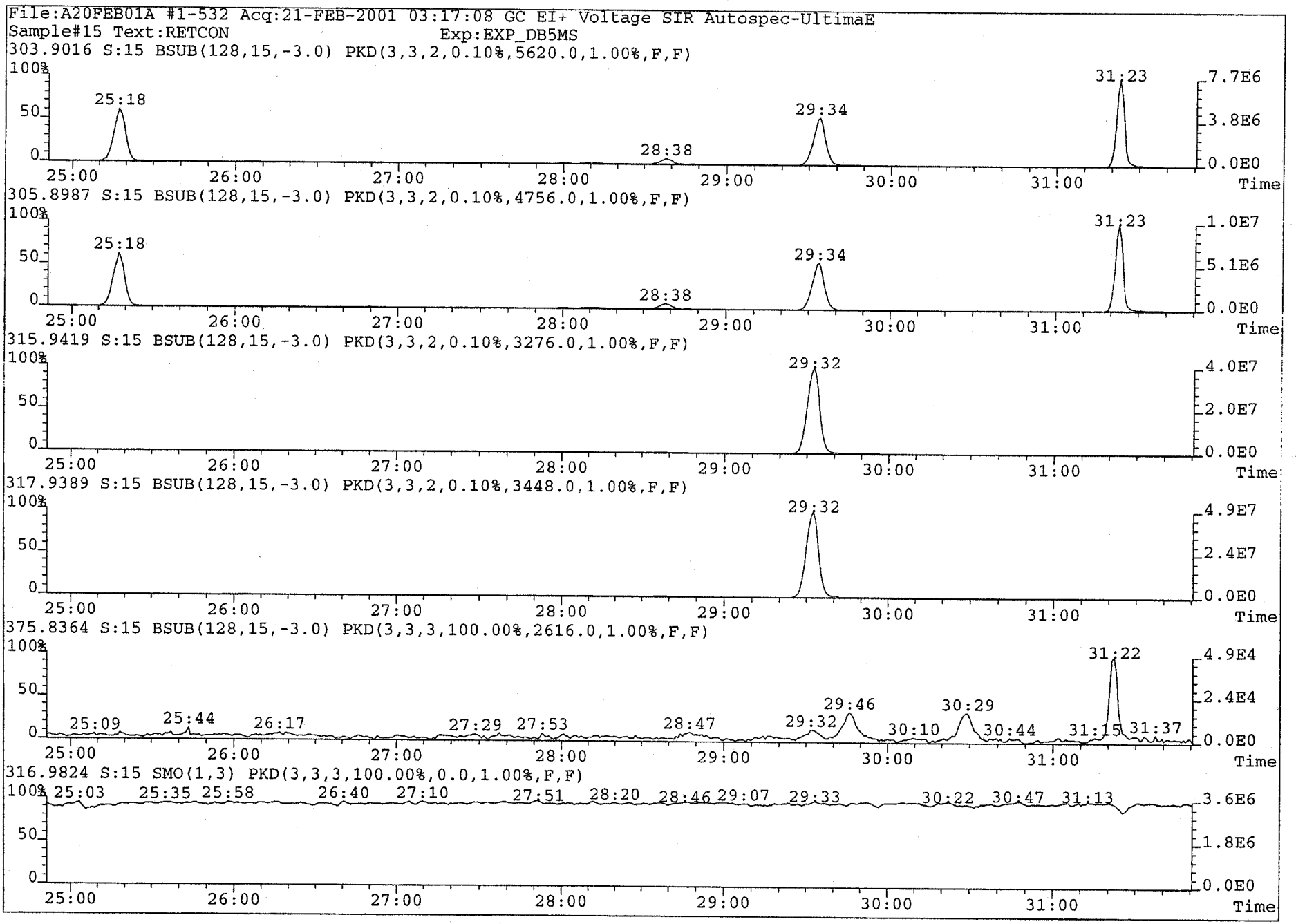

File:A20FEB01A #1-532 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
319.8965 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3352.0,1.00%,F,F)
27:01
29:47
30:30
31:17
3.9E6
1.9E6
0.0E0
321.8936 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2540.0,1.00%,F,F)
27:00
29:47
30:30
31:17
5.0E6
2.5E6
0.0E0
331.9368 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3440.0,1.00%,F,F)
29:46
30:28
2.6E7
1.3E7
0.0E0
333.9339 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2424.0,1.00%,F,F)
29:46
30:28
3.3E7
1.6E7
0.0E0
327.8847 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3340.0,1.00%,F,F)
30:30
6.2E6
3.1E6
0.0E0
316.9824 S:15 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:03 25:35 25:58 26:40 27:10 27:51 28:20 28:46 29:07 29:33 30:22 30:47 31:13
3.6E6
1.8E6
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time

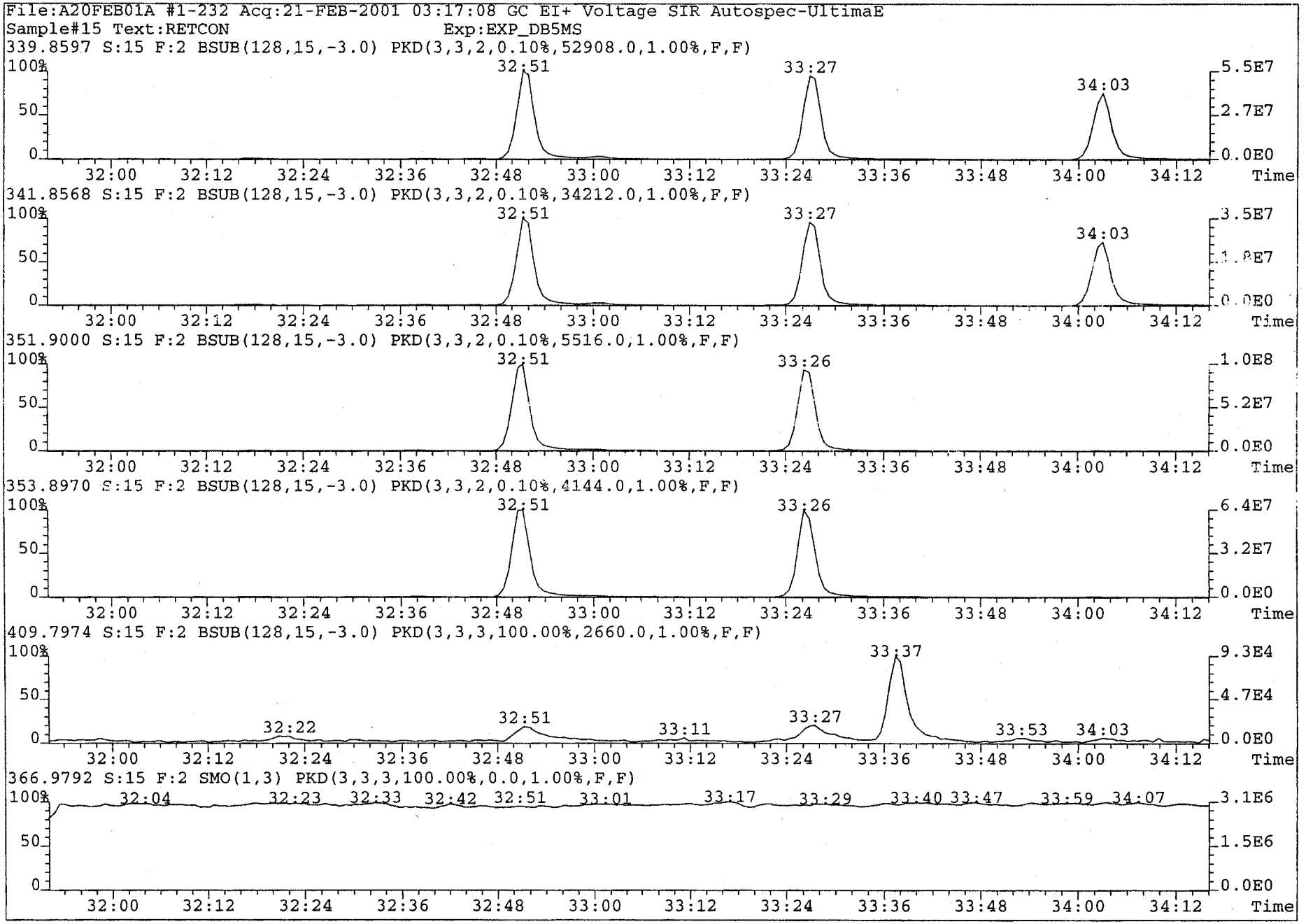

File:A20FEB01A #1-232 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
355.8546 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4892.0,1.00%,F,F)
32:21
33:38
33:53
3.4E7
1.7E7
0.0E0
357.8517 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,22924.0,1.00%,F,F)
2.1E7
1.1E7
357.8949 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3988.0,1.00%,F,F)
33:37
6.1E7
3.0E7
369.8919 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3680.0,1.00%,F,F)
3.9E7
2.0E7
366.9792 S:15 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:04
32:23
32:33
32:42
32:51
33:01
33:17
33:29
33:40
33:47
33:59
34:07
3.1E6
1.5E6
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

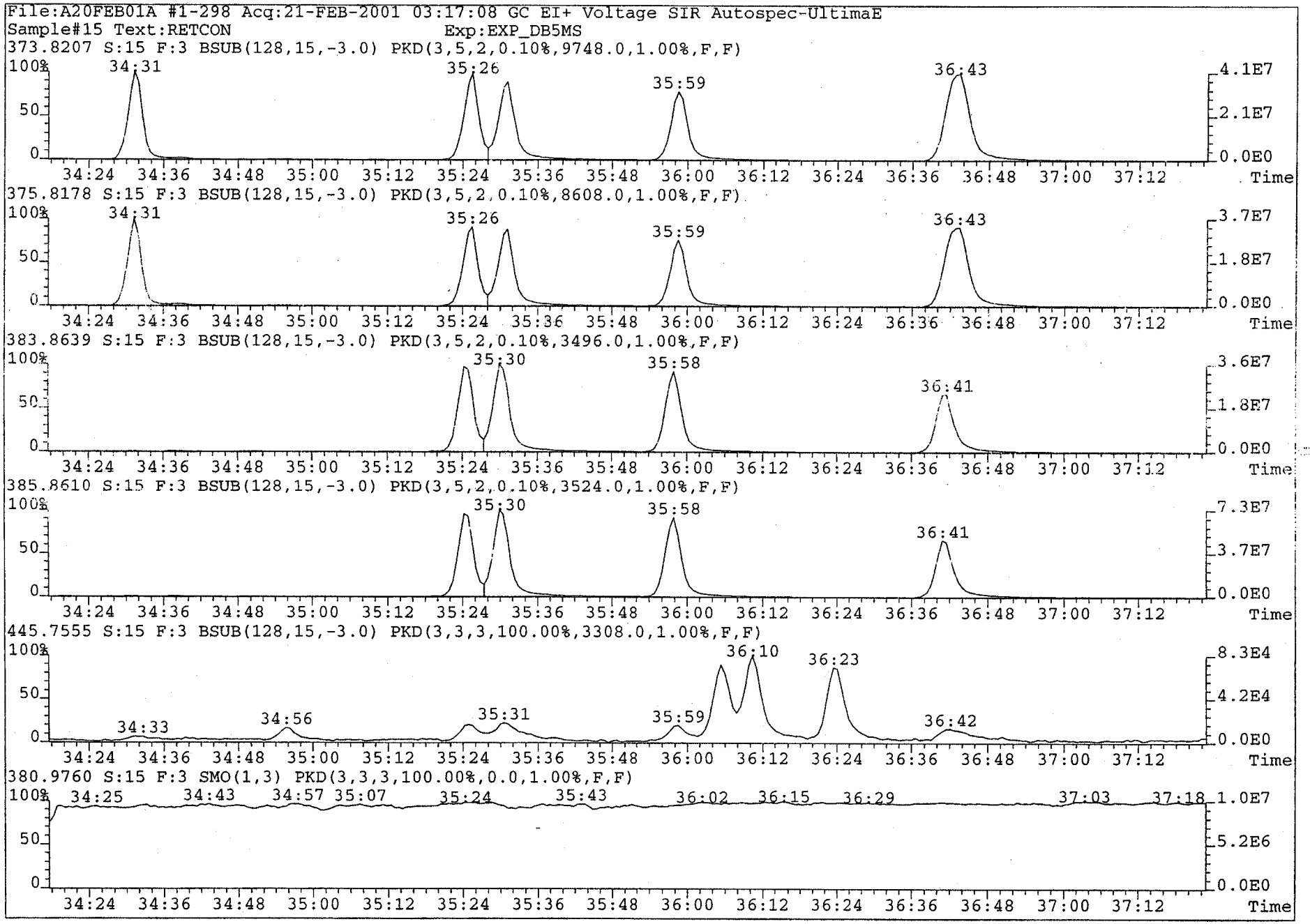

File:A20FEB01A #1-298 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
389.8156 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3880.0,1.00%,F,F)
34:56
36:11
36:24
2.8E7
1.4E7
0.0E0
391.8127 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,5512.0,1.00%,F,F)
34:56
36:06
36:24
2.5E7
1.2E7
0.0E0
401.8559 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3428.0,1.00%,F,F)
36:10
36:23
4.0E7
2.0E7
0.0E0
403.8530 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,2912.0,1.00%,F,F)
36:10
36:23
3.4E7
1.7E7
0.0E0
380.9760 S:15 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:25 34:43 34:57 35:07 35:24 35:43 36:02 36:15 36:29 37:03 37:18
1.0E7
5.2E6
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

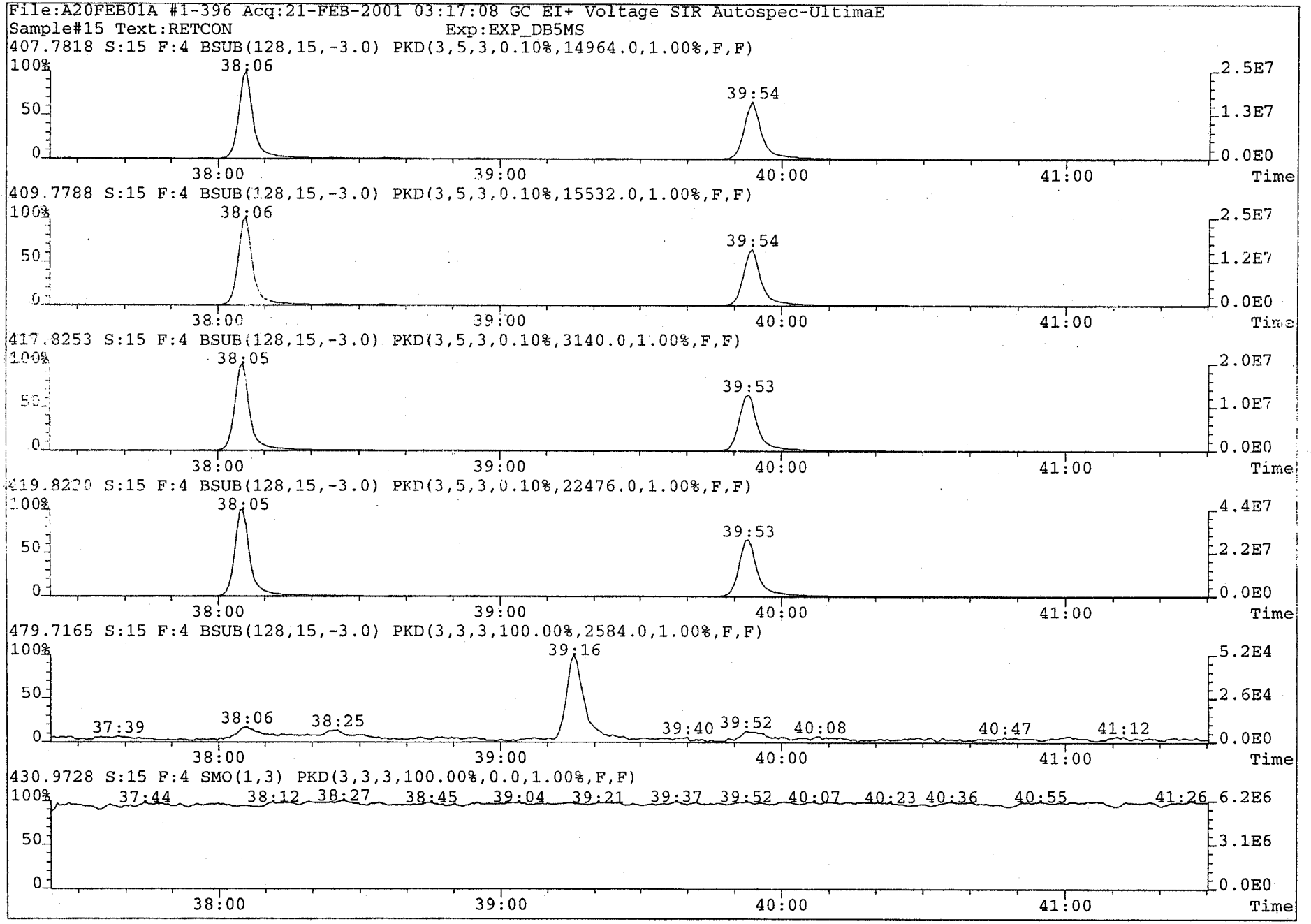

File:A20FEB01A #1-396 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON
Exp:EXP_DB5MS
423.7767 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5276.0,1.00%,F,F)
38:25
39:16
1.5E7
7.7E6
0.0E0
425.7737 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5252.0,1.00%,F,F)
38:24
39:16
1.5E7
7.5E6
0.0E0
435.8169 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,5148.0,1.00%,F,F)
39:16
2.6E7
1.3E7
0.0E0
437.8140 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,4548.0,1.00%,F,F)
39:16
2.5E7
1.2E7
0.0E0
430.9728 S:15 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:44 38:12 38:27 38:45 39:04 39:21 39:37 39:52 40:07 40:23 40:36 40:55 41:26
6.2E6
3.1E6
0.0E0
100%
50
0
38:00
39:00
40:00
41:00
Time

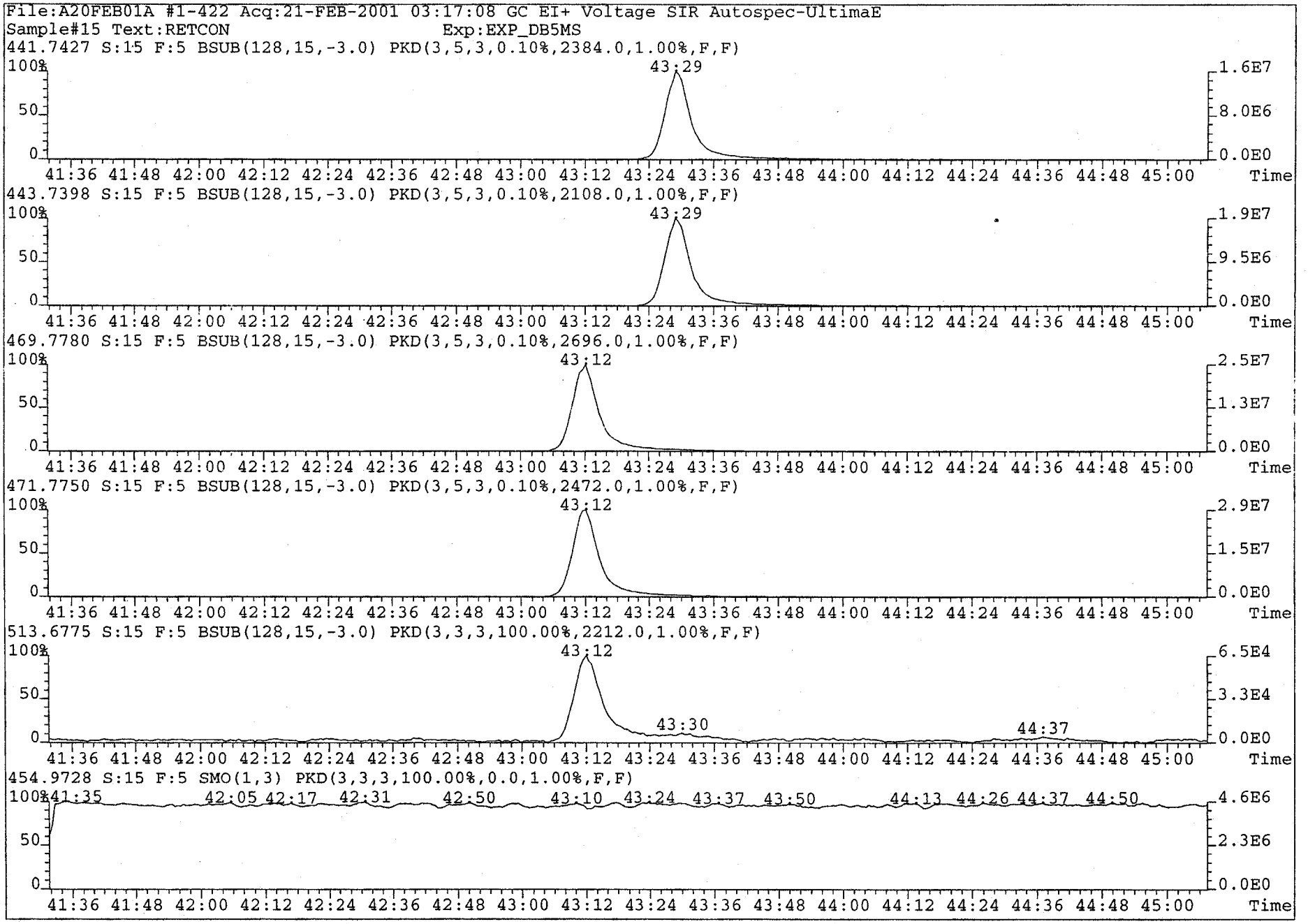

File:A20FEB01A #1-422 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
457.7377 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3276.0,1.00%,F,F)
43:13
1.4E7
7.0E6
0.0E0
459.7348 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3128.0,1.00%,F,F)
43:13
1.6E7
8.0E6
0.0E0
469.7780 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2696.0,1.00%,F,F)
43:12
2.5E7
1.3E7
0.0E0
471.7750 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2472.0,1.00%,F,F)
43:12
2.9E7
1.5E7
0.0E0
454.9728 S:15 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:35 42:05 42:17 42:31 42:50 43:10 43:24 43:37 43:50 44:13 44:26 44:37 44:50
4.6E6
2.3E6
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

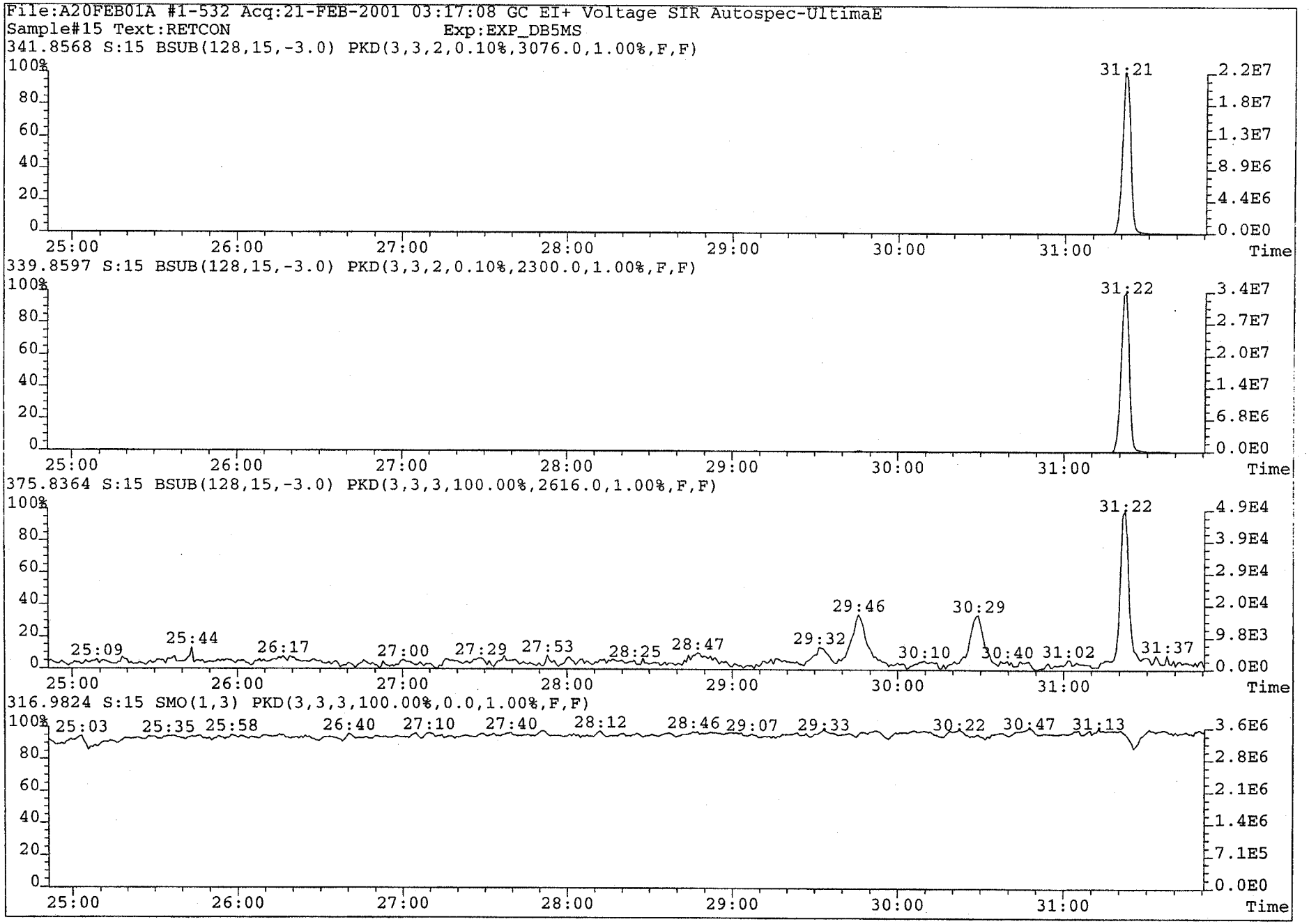

File:A20FEB01A #1-532 Acq:21-FEB-2001 03:17:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:RETCON Exp:EXP_DB5MS
303.9016 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5620.0,1.00%,F,F)
25:18
28:38
29:34
31:23
7.7E6
3.8E6
0.0E0
305.8987 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4756.0,1.00%,F,F)
25:18
28:38
29:34
31:23
1.0E7
5.1E6
0.0E0
315.9419 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3276.0,1.00%,F,F)
29:32
4.0E7
2.0E7
0.0E0
317.9389 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,3448.0,1.00%,F,F)
29:32
4.9E7
2.4E7
0.0E0
375.8364 S:15 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2616.0,1.00%,F,F)
25:09
25:44
26:17
27:29
27:53
28:47
29:32
29:46
30:10
30:29
30:44
31:15
31:22
31:37
4.9E4
2.4E4
0.0E0
316.9824 S:15 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:03
25:35
25:58
26:40
27:10
27:51
28:20
28:46
29:07
29:33
30:22
30:47
31:13
3.6E6
1.8E6
0.0E0
100%
50
0
25:00
26:00
27:00
28:00
29:00
30:00
31:00
Time


File:A20FEB01A #1-232 Acq:21-FEB-2001 03:17:08 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%,52908.0,1.00%,F,F)
32:51
33:27
34:03
5.5E7
2.7E7
0.0E0
341.8568 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,34212.0,1.00%,F,F)
32:51
33:27
34:03
3.5E7
351.9000 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,5516.0,1.00%,F,F)
32:51
33:26
1.0E8
5.2E7
0.0E0
353.8970 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,4144.0,1.00%,F,F)
32:51
33:26
6.4E7
3.2E7
0.0E0
409.7974 S:15 F:2 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2660.0,1.00%,F,F)
33:37
32:22
32:51
33:11
33:27
33:53
34:03
9.3E4
4.7E4
0.0E0
366.9792 S:15 F:2 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
32:04
32:23
32:33
32:42
32:51
33:01
33:17
33:29
33:40
33:47
33:59
34:07
3.1E6
1.5E6
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:A20FEB01A #1-298 Acq:21-FEB-2001 03:17:08 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%,9748.0,1.00%,F,F)
34:31
35:26
35:59
36:43
4.1E7
2.1E7
0.0E0
375.8178 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,8608.0,1.00%,F,F)
34:31
35:26
35:59
36:43
3.7E7
1.8E7
0.0E0
383.8639 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3496.0,1.00%,F,F)
35:30
35:58
36:41
3.6E7
1.8E7
0.0E0
385.8610 S:15 F:3 BSUB(128,15,-3.0) PKD(3,5,2,0.10%,3524.0,1.00%,F,F)
35:30
35:58
36:41
7.3E7
3.7E7
0.0E0
445.7555 S:15 F:3 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,3308.0,1.00%,F,F)
34:33
34:56
35:31
35:59
36:10
36:23
36:42
8.3E4
4.2E4
0.0E0
380.9760 S:15 F:3 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
34:25
34:43
34:57
35:07
35:24
35:43
36:02
36:15
36:29
37:03
37:18
1.0E7
5.2E6
0.0E0
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:A20FEB01A #1-396 Acq:21-FEB-2001 03:17:08 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%,14964.0,1.00%,F,F)
38:06
39:54
409.7788 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,15532.0,1.00%,F,F)
38:06
39:54
417.8253 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,3140.0,1.00%,F,F)
38:05
39:53
419.8220 S:15 F:4 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,22476.0,1.00%,F,F)
38:05
39:53
479.7165 S:15 F:4 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2584.0,1.00%,F,F)
39:16
37:39
38:06
38:25
39:40
39:52
40:08
40:47
41:12
430.9728 S:15 F:4 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
37:44
38:12
38:27
38:45
39:04
39:21
39:37
39:52
40:07
40:23
40:36
40:55
41:26
100%
50
0
38:00
39:00
40:00
41:00
Time
2.5E7
1.3E7
0.0E0
2.5E7
1.2E7
0.0E0
2.0E7
1.0E7
0.0E0
4.4E7
2.2E7
0.0E0
5.2E4
2.6E4
0.0E0
6.2E6
3.1E6
0.0E0


File:A20FEB01A #1-422 Acq:21-FEB-2001 03:17:08 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%,2384.0,1.00%,F,F)
43:29
1.6E7
8.0E6
0.0E0
443.7398 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2108.0,1.00%,F,F)
43:29
1.9E7
9.5E6
0.0E0
469.7780 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2696.0,1.00%,F,F)
43:12
2.5E7
1.3E7
0.0E0
471.7750 S:15 F:5 BSUB(128,15,-3.0) PKD(3,5,3,0.10%,2472.0,1.00%,F,F)
43:12
2.9E7
1.5E7
0.0E0
513.6775 S:15 F:5 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2212.0,1.00%,F,F)
43:12
43:30
44:37
6.5E4
3.3E4
0.0E0
454.9728 S:15 F:5 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
41:35 42:05 42:17 42:31 42:50 43:10 43:24 43:37 43:50 44:13 44:26 44:37 44:50
4.6E6
2.3E6
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:A20FEB01A #1-532 Acq:21-FEB-2001 03:17:08 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%,3076.0,1.00%,F,F)
31:21
339.8597 S:15 BSUB(128,15,-3.0) PKD(3,3,2,0.10%,2300.0,1.00%,F,F)
31:22
375.8364 S:15 BSUB(128,15,-3.0) PKD(3,3,3,100.00%,2616.0,1.00%,F,F)
31:22
25:09 25:44 26:17 27:00 27:29 27:53 28:25 28:47 29:32 29:46 30:10 30:29 30:40 31:02 31:37
316.9824 S:15 SMO(1,3) PKD(3,3,3,100.00%,0.0,1.00%,F,F)
25:03 25:35 25:58 26:40 27:10 27:40 28:12 28:46 29:07 29:33 30:22 30:47 31:13
25:00 26:00 27:00 28:00 29:00 30:00 31:00 Time

Injection Prep Log

	Sample ID	IJ STD Lot#	IJ Amt (µL)	IJ Conc. (ng/µL)	Final Vol.* (µL)	Analyst (initials)	Date	Comments
1	WG5277-2 ✓	S08-194B	20	0.1	20	HMP	19Feb01	
2	WG5277-1 ✓	↓	↓	↓	↓	↓	↓	
3	WG5278-2 ✓	S08-208						
4	WG5278-1 ✓	↓						
5	14699R ✓							
6	14708 ✓							
7	14709 ✓							
8	14710 ✓							
9	14711 ✓							
10	13796S	↓	↓	↓	↓	↓	↓	
11								
12								
13								
14								
15							HMP	
16							19Feb01	
17								
18								
19								
20								

DC17.021800.1

* = to be entered in the Prep table.

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Injection Prep Log

	Sample ID	IJ STD Lot#	IJ Amt (µL)	IJ Conc. (ng/µL)	Final Vol.* (µL)	Analyst (initials)	Date	Comments
1	WG5282-2 ✓	S08-208	HMP 0.+20	0.1	20	HMP	20Feb01	
2	WG5282-1 ✓							
3	WG 5281-2 ✓							
4	WG5281-1 ✓							
5	14938 ✓							
6	14939 ✓							
7	14940 ✓							
8	14941 ✓							
9	14942 ✓							
10	14943 ✓							
11	14944 ✓							
12	143325 ✓							
13								
14								
15								
16								
17							HMP	
18							20Feb01	
19								
20								

DC17.021800.1

* = to be entered in the Prep table.

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Injection Prep Log

	Sample ID	IJ STD Lot#	IJ Amt (µL)	IJ Conc. (ng/µL)	Final Vol.* (µL)	Analyst (initials)	Date	Comments
1	WG5276-2	S08-194B	20	0.1	20	HMP	16Feb01	
2	WG5276-1							
3	14712							D50
4	14713 ✓							D50 D250 HMP 21Feb01
5	14714							D50
6	14715 ✓							D50
7	14716 ✓							D50
8	14717 ✓							D50
9	14718							
10	14719							
11	14706							
12	14707							
13	14292							
14	WG5274-2							
15	WG5274-1							
16	13955							
17	13956							
18	13957							
19	13958							
20	14248							

DC17.021800.1

* = to be entered in the Prep table.

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