

H. A. Bader, Consultants

TLI Project: 56392
 Client Sample: 605

Method 8290 PCDD/PCDF Analysis (b)
 Analysis File: S020234

Client Project:	NYC WTC area testing			Spike File:	SPMIT34W
Sample Matrix:	WIPE	Date Received:	01/12/2002	ICal:	SF57121
TLI ID:	315-65-2	Date Extracted:	01/14/2002	ConCal:	S020224
		Date Analyzed:	01/16/2002		
Sample Size:	1.000	Dilution Factor:	n/a	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	S020226	% Lipid:	n/a
GC Column:	DB-5	Analyst:	JSY	% Solids:	n/a

Analytes	Amt. (ng)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	0.006			0.70	27:23	JB_
1,2,3,7,8-PeCDD	EMPC		0.01			J_
1,2,3,4,7,8-HxCDD	0.007			1.15	34:39	J_
1,2,3,6,7,8-HxCDD	0.02			1.15	34:44	J_
1,2,3,7,8,9-HxCDD	0.02			1.05	35:03	J_
1,2,3,4,6,7,8-HpCDD	0.28			1.02	38:03	—
1,2,3,4,6,7,8,9-OCDD	2.7			0.84	41:49	—
2,3,7,8-TCDF	0.18			0.80	26:44	B_
1,2,3,7,8-PeCDF	EMPC		0.03			XJ_
2,3,4,7,8-PeCDF	0.03			1.39	31:14	J_
2,3,4,7,8-HxCDF	0.05			1.24	33:57	J_
2,3,6,7,8-HxCDF	0.03			1.23	34:03	J_
3,4,6,7,8-HxCDF	0.03			1.16	34:32	J_
1,2,3,7,8,9-HxCDF	0.009			1.19	35:20	J_
1,2,3,4,6,7,8-HpCDF	0.10			1.15	37:00	J_
1,2,3,4,7,8,9-HpCDF	EMPC		0.02			J_
1,2,3,4,6,7,8,9-OCDF	0.10			0.81	42:01	J_

Totals	Amt. (ng)	Number	DL	EMPC	Flags
Total TCDD	1.3	8		1.4	—
Total PeCDD	0.67	6		0.75	—
Total HxCDD	0.37	7		0.37	—
Total HpCDD	0.59	2			—
Total TCDF	1.0	13		1.0	—
Total PeCDF	0.37	9		0.43	—
Total HxCDF	0.23	10			—
Total HpCDF	0.21	2		0.24	—

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Method 8290 PCDD/PCDF Analysis (b)
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Internal Standards	Amt. (ng)	% Recovery	QC Limits	Ratio	RT	Flags
¹³ C ₁₂ -2,3,7,8-TCDF	2.3	57.8	40%-130%	0.72	26:42	—
¹³ C ₁₂ -2,3,7,8-TCDD	2.5	63.5	40%-130%	0.80	27:23	—
¹³ C ₁₂ -1,2,3,7,8-PeCDF	3.2	80.4	40%-130%	1.47	30:33	—
¹³ C ₁₂ -1,2,3,7,8-PeCDD	3.6	89.1	40%-130%	1.46	31:33	—
¹³ C ₁₂ -1,2,3,6,7,8-HxCDF	2.2	54.3	40%-130%	0.50	34:02	—
¹³ C ₁₂ -1,2,3,6,7,8-HxCDD	3.3	82.7	40%-130%	1.20	34:44	—
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDF	2.1	52.2	25%-130%	0.43	36:59	—
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDD	3.2	80.6	25%-130%	1.08	38:02	—
¹³ C ₁₂ -1,2,3,4,6,7,8,9-OCDD	6.5	81.2	25%-130%	0.87	41:48	—

Surrogate Standards (Type B)	Amt. (ng)	% Recovery	QC Limits	Ratio	RT	Flags
¹³ C ₁₂ -2,3,4,7,8-PeCDF	3.3	82.9	40%-130%	1.48	31:14	—
¹³ C ₁₂ -1,2,3,4,7,8-HxCDF	2.0	50.4	40%-130%	0.50	33:56	—
¹³ C ₁₂ -1,2,3,4,7,8-HxCDD	2.5	62.4	40%-130%	1.29	34:39	—
¹³ C ₁₂ -1,2,3,4,7,8,9-HpCDF	2.5	63.7	25%-130%	0.42	38:34	—

Other Standard	Amt. (ng)	% Recovery	QC Limits	RT	Flags
³¹ Cl ₄ -2,3,7,8-TCDD	0.25	63.3	40%-130%	27:25	—

Alternate Standards (Type B)	Amt. (ng)	% Recovery	QC Limits	Ratio	RT	Flags
¹³ C ₁₂ -1,2,3,7,8,9-HxCDF	2.2	54.0	40%-130%	0.50	35:19	—
¹³ C ₁₂ -2,3,4,6,7,8-HxCDF	2.0	51.2	40%-130%	0.50	34:31	—

Recovery Standards	Ratio	RT	Flags
¹³ C ₁₂ -1,2,3,4-TCDD	0.80	27:13	—
¹³ C ₁₂ -1,2,3,7,8,9-HxCDD	1.22	35:03	—

Data Reviewer: KLV 01/17/2002

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MITI_PSR v1.00, LARS 6.25.01.m

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CITY_21MC100_003110486

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TLI Project: 56392
 Client Sample: 605

Toxicity Equivalents Report
 Analysis File: S020234

Client Project:	NYC WTC area testing	Date Received:	01/12/02	Spike File:	SPMIT34W
Sample Matrix:	WIPE	Date Extracted:	01/14/02	ICal:	SF57121
TLI ID:	315-65-2	Date Analyzed:	01/16/02	ConCal:	S020224
Sample Size:	1.000	Dilution Factor:	1	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	S020226	% Lipid:	n/a
GC Column:	DB-5	Analyst:	JSY	% Solids:	n/a

Analytes	Amt. (ng)		TEF		Equivalent
2,3,7,8-TCDD	0.006	x	1.	=	0.006
1,2,3,7,8-PeCDD	[0.01]	x	0.5	=	0.005
1,2,3,4,7,8-HxCDD	0.007	x	0.1	=	0.0007
1,2,3,6,7,8-HxCDD	0.02	x	0.1	=	0.002
1,2,3,7,8,9-HxCDD	0.02	x	0.1	=	0.002
1,2,3,4,6,7,8-HpCDD	0.28	x	0.01	=	0.0028
1,2,3,4,6,7,8,9-OCDD	2.7	x	0.001	=	0.0027
TOTAL PCDD					0.021
2,3,7,8-TCDF	0.04	x	0.1	=	0.004
1,2,3,7,8-PeCDF	[0.03]	x	0.05	=	0.002
2,3,4,7,8-PeCDF	0.03	x	0.5	=	0.02
2,3,4,7,8-HxCDF	0.05	x	0.1	=	0.005
2,3,6,7,8-HxCDF	0.03	x	0.1	=	0.003
2,3,4,6,7,8-HxCDF	0.03	x	0.1	=	0.003
1,2,3,7,8,9-HxCDF	0.009	x	0.1	=	0.0009
1,2,3,4,6,7,8-HpCDF	0.10	x	0.01	=	0.0010
1,2,3,4,7,8,9-HpCDF	[0.02]	x	0.01	=	0.0002
1,2,3,4,6,7,8,9-OCDF	0.10	x	0.001	=	0.00010
TOTAL PCDF					0.04

Total EPA TEFs, 1989a: 0.06 ng

[...] indicates that the value is that of an EMPC.

InitialDate....

Data Review By:

KW 1/17/02

Channel specific noise levels computed from 'NL' heights.

The Total Area for each peak with an ion abundance ratio outside
ratio limits has been recalculated according to method requirements.

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01/17/2002 Matched GC Peaks / Ratio / Ret. Time

Compound/

M_2.... QC.Log Omit Why ..RT. OK Ratio Total.Area/Ht Area/Ht.Peak1 Area/Ht.Peak2 Rel.RT Compound.Name.. ID.. Flags.

TCDF		0.65-0.89			0.880-1.070		
304-306	DC NL	Height	0.38	0.19	0.19		
		24:10	0.72	18.50	7.72	10.78 0.905	
		24:23	0.82	24.65	11.08	13.57 0.913	
		24:45	0.74	62.08	26.47	35.61 0.927	
		25:03	0.81	40.30	18.06	22.24 0.938	
		25:27	0.77	57.65	25.03	32.62 0.953	
		25:43	0.83	36.25	16.44	19.81 0.963	
		25:55	0.85	68.46	31.55	36.91 0.971	
		26:09	0.83	57.28	25.97	31.31 0.979	
		26:19	0.84	23.34	10.67	12.67 0.986 1278-TCDF AN	
		26:33	0.81	19.57	8.73	10.84 0.994	
		26:44	0.80	94.55	41.93	52.62 1.001 2378-TCDF AN	
		27:08	0.87	21.51	9.98	11.53 1.016	
		27:20	0.81	19.30	8.66	10.64 1.024	
		27:36 RO	0.94	6.99	3.04	3.25 1.034 J	
304-306	14 Peaks			550.43			

13C12-TCDF		0.65-0.89			0.963-1.037		
316-318	DC NL	Height	0.45	0.26	0.19		
		25:42	0.72	19.28	8.04	11.24 0.963	
		26:18	0.72	12.46	5.21	7.25 0.985	
		26:42	0.72	2,062.19	863.60	1,198.59 1.000 13C12-2378-TCDF ISO	
			Height	568.53	235.57	332.96	
		27:03	0.84	10.38	4.75	5.63 1.013	
316-318	4 Peaks			2,104.31			

----- Above: TCDF / TCDD Follows -----

TCDD		0.65-0.89			0.904-1.041		
320-322	DC NL	Height	0.33	0.16	0.17		
		24:56	0.75	192.00	82.43	109.57 0.911 1368-TCDD AN	
		25:19	0.75	141.05	60.29	80.76 0.925 1379-TCDD AN	
		25:36	0.76	22.52	9.76	12.76 0.935	
		26:15	0.80	48.09	21.34	26.75 0.959	
		26:31	0.85	28.17	12.97	15.20 0.968	
	DC SN	26:42 RO	4.59	1.24		0.975	
		26:54	0.85	11.89	5.48	6.41 0.982	
		27:18	0.74	47.50	20.20	27.30 0.997	
M		27:23	0.70	2.45	1.01	1.44 1.000 2378-TCDD AN J	
AN		27:34 RO	0.92	4.76	2.07	2.24 1.007 J	
		27:43 RO	0.98	4.07	1.77	1.80 1.012 J	
		27:57 RO	1.44	1.59	1.30	0.90 1.021 J	
	DC SN	28:22 RO	0.63	1.56		1.036	

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01/17/2002 Matched GC Peaks / Ratio / Ret. Time

Compound/

.. QC Log Omit Why .. RT. OK Ratio Total Area/Ht Area/Ht.PeaK1 Area/Ht.PeaK2 Rel.RT Compound Name.. ID.. Flags

340-342 11 Peaks 504.09

37C1-TCDD 0.927-1.073

DC	NL	Height	0.36	0.36				
		27:25	137.60	137.60	1.001	37C1-TCDD	CLS	
		27:34	1.75	1.75	1.007			
		27:47	7.54	7.54	1.015			
		28:14	7.63	7.63	1.031			
		28:52	10.12	10.12	1.054			

328 5 Peaks 164.64

13C12-TCDD 0.65-0.89 0.927-1.073

DC	NL	Height	0.78	0.62	0.16			
		26:15 RO 1.24	3.50	2.46	1.98	0.959		
		27:13 0.80	2,163.34	964.53	1,193.81	0.994	13C12-1234-TCDD	RS1
		27:23 0.80	1,633.76	723.90	909.86	1.000	13C12-2378-TCDD	IS1
		Height	465.96	208.50	257.46			

332-334 3 Peaks 3,800.60

----- Above: TCDD / PeCDF Follows -----

PeCDF 1.32-1.78 0.931-1.058

DC	NL	Height	0.26	0.14	0.12			
		28:36 RO 1.81	3.62	2.57	1.42	0.936		J
		29:00 RO 0.76	0.43			0.949		
		29:18 RO 0.90	0.43			0.959		
		29:36 RO 2.15	1.33			0.969		
		29:43 1.55	49.03	29.77	19.26	0.973		J
		29:53 1.55	11.30	6.87	4.43	0.978		J
		30:12 1.59	27.50	16.88	10.62	0.989		J
		30:17 1.56	29.91	18.21	11.70	0.991		J
		30:29 1.52	14.37	8.67	5.70	0.998		J
M		30:33 RO 1.47	14.71	8.75	5.96	1.000	12378-PeCDF	AN J
ANX	X	30:43 RO 1.29	11.17	5.65	4.38	1.005		J
		30:50 1.59	16.10	9.88	6.22	1.009		J
		31:14 1.39	18.77	10.90	7.87	1.022	23478-PeCDF	AN J
		31:23 1.50	23.45	14.08	9.37	1.027		J
		31:42 1.48	3.60	2.15	1.45	1.038		J
		31:51 RO 1.10	1.71	0.74	0.67	1.043		J
		31:55 RO 1.07	1.07			1.045		
		32:11 RO 0.98	1.96	1.19	1.22	1.053		J

340-342 14 Peaks 227.20

13C12-PeCDF 1.32-1.78 0.869-1.131

DC	NL	Height	0.23	0.15	0.08			
		29:43 RO 1.27	20.45	10.16	8.02	0.973		
		30:10 1.45	21.25	12.56	8.69	0.987		
		30:33 1.47	2,195.02	1,308.10	886.92	1.000	13C12-PeCDF 123	IS2
		Height	700.66	420.40	280.26			
		30:50 RO 1.26	16.35	8.08	6.41	1.009		
		31:14 1.48	2,040.73	1,216.34	824.39	1.022	13C12-PeCDF 234	SUR1
		31:32 RO 2.39	2.47	2.32	0.97	1.032		

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01/17/2002 Matched GC Peaks / Ratio / Ret. Time

Compound/
... QC Log Omit Why ... RT. OK Ratio Total Area/Ht Area/Ht.Peak1 Area/Ht.Peak2 Rel.RT Compound.Name... ID... Flags.

32:10 1.40 18.49 10.79 7.70 1.053
352-354 7 Peaks 4.314.05

----- Above: PeCDF / PeCDD Follows -----

PeCDD			1.12-1.78			0.940-1.021		
356-358	DC	NL	Height	0.21	0.11	0.10		
			29:49	1.58	112.08	68.64	43.44	0.945
	DC	SN	30:03 RO	0.87	0.21			0.952
	DC	SN	30:10 RO	3.89	0.23			0.956
			30:16	1.35	6.65	3.82	2.83	0.959
			30:31	1.65	59.05	36.74	22.31	0.967
			30:39 RO	1.12	7.22	4.39	3.93	0.971
			30:50	1.64	32.34	20.07	12.27	0.977
M			31:04 RO	1.15	8.26	5.02	4.37	0.985
			31:16	1.52	26.82	16.16	10.66	0.991
			31:24 RO	1.03	6.96	4.23	4.09	0.995
M			31:34 RO	0.92	4.47	2.72	2.97	1.001
			31:42	1.38	3.05	1.77	1.28	1.005
			32:02 RO	1.19	4.34	2.02	1.70	1.015
356-358			11 Peaks		271.24			

13C12-PeCDD			1.12-1.78			0.873-1.127		
368-370	DC	NL	Height	0.36	0.31	0.05		
			30:31 RO	3.31	3.34	4.33	1.31	0.967
			30:38	1.49	6.76	4.05	2.71	0.971
			30:50 RO	2.38	2.65	2.48	1.04	0.977
			31:16 RO	2.15	3.62	3.05	1.42	0.991
			31:33	1.46	1,349.07	800.34	548.73	1.000
			Height		438.39	260.37	178.02	
368-370			5 Peaks		1,365.44			

----- Above: PeCDD / HxCDF Follows -----

HxCDF			1.05-1.43			0.964-1.045		
374-376	DC	NL	Height	0.35	0.18	0.17		
			32:59	1.31	4.60	2.61	1.99	0.969
			33:08	1.25	25.16	13.97	11.19	0.974
D	d	SN	33:18	1.31	1.78			0.978
			33:25	1.14	4.35	2.32	2.03	0.982
			33:34	1.14	10.56	5.62	4.94	0.986
	DC	SN	33:41 RO	0.61	0.34			0.990
	DC	SN	33:46	1.33	0.21			0.992
			33:57	1.24	27.04	14.98	12.06	0.998
			34:03	1.23	12.38	6.82	5.56	1.000
D	d	SN	34:09	1.21	2.68			1.003
			34:20	1.33	6.19	3.53	2.66	1.009
			34:32	1.16	16.22	8.72	7.50	1.015
	DC	SN	34:53 RO	5.83	0.27			1.025
	DC	SN	35:03 RO	0.13	0.38			1.030
	DC	SN	35:04 RO	0.58	0.40			1.030
	DC	SN	35:08 RO	8.57	0.16			1.032

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01/17/2002 Matched GC Peaks / Ratio / Ret. Time

Compound/

QC Log Omit Why RT OK Ratio Total Area/Ht Area/Ht.Peak1 Area/Ht.Peak2 Rel.RT Compound.Name ID Flags

Compound	RT	OK	Ratio	Total Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
M	35:20		1.19	3.59	1.95	1.64	1.038	123789-HxCDF	AN	J
M	35:23		1.40	3.14	1.83	1.31	1.040			J

374-376 10 Peaks 113.23

Compound	RT	OK	Ratio	Total Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
13C12-HxCDF	0.43-0.59							0.882-1.118		
384-386	DC NL			0.73	0.35	0.38				
	33:07		0.51	6.74	2.27	4.47	0.973			
	33:56		0.50	1,570.40	521.11	1,049.29	0.997	13C12-HxCDF	478	SUR2
	34:02		0.50	1,817.22	606.45	1,210.77	1.000	13C12-HxCDF	678	IS4
				Height	614.78	203.83	410.95			
	34:20	RO	0.76	4.71	1.59	2.09	1.009			
	34:31		0.50	1,776.90	589.01	1,187.89	1.014	13C12-HxCDF	234	ALT2
	35:19		0.50	1,463.23	487.10	976.13	1.038	13C12-HxCDF	789	ALT1

384-386 6 Peaks 6,639.20

----- Above: HxCDF / HxCDD Follows -----

Compound	RT	OK	Ratio	Total Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
HxCDD	1.05-1.43							0.958-1.012		
390-392	DC NL			0.49	0.18	0.31				
	33:28		1.28	15.68	8.80	6.88	0.964			J
	33:54		1.25	110.93	61.57	49.36	0.976			
	34:07		1.19	25.57	13.89	11.68	0.982			J
	34:18		1.14	2.74	1.46	1.28	0.988			J
	34:32	RO	3.16	2.22	3.13	0.99	0.994			J
M	34:39		1.15	3.48	1.86	1.62	0.998	123478-HxCDD	AN	J
M	34:44		1.15	10.71	5.73	4.98	1.000	123678-HxCDD	AN	J
M	35:03		1.05	10.80	5.52	5.28	1.009	123789-HxCDD	AN	J
	DC WH			3.18		1.017				

390-392 8 Peaks 182.13

Compound	RT	OK	Ratio	Total Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
13C12-HxCDD	1.05-1.43							0.971-1.029		
402-404	DC NL			2.29	1.53	0.76				
	DC WL			7.48	24.66	0.967				
	34:07	RO	1.95	25.11	21.83	11.21	0.982			
	34:39		1.29	1,322.69	744.22	578.47	0.998	13C12-HxCDD	478	SUR3
	34:44		1.20	1,880.46	1,026.08	854.38	1.000	13C12-HxCDD	678	IS5
				Height	573.73	317.23	256.50			
	35:03		1.22	2,264.46	1,246.47	1,017.99	1.009	13C12-HxCDD	789	RS2

402-404 4 Peaks 5,492.72

----- Above: HxCDD / HpCDF Follows -----

Compound	RT	OK	Ratio	Total Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
HpCDF	0.88-1.20							0.995-1.047		
408-410	DC NL			1.72	1.54	0.18				
M	37:00		1.15	40.20	21.50	18.70	1.000	1234678-HpCDF	AN	J
	37:16	RO	0.76	6.45	3.29	4.33	1.008			J
	37:25		1.08	41.06	21.30	19.76	1.012			
	DC SN			0.98		1.017				
	DC SN			0.29		1.022				
M	38:34	RO	1.25	7.10	4.35	3.48	1.043	1234789-HpCDF	AN	J

408-410 4 Peaks 94.81

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Page No. 5 Listing of S020234B.dbf
01/17/2002 Matched GC Peaks / Ratio / Ret. Time

Compound/

... QC Log Omit Why ... RT. OK Ratio Total Area/Ht Area/Ht. Peak1 Area/Ht. Peak2 Rel. RT Compound Name... ID... Flags.

13C12-HpCDF 0.37-0.51 0.946-1.108
418-420 DC NL Height 0.49 0.28 0.21
36:59 0.43 1,159.54 346.56 812.98 1.000 13C12-HpCDF 678 IS6
Height 312.42 95.10 217.32
DC SN 37:19 0.45 1.88 1.009
DC SN 37:24 0.38 1.21 1.011
DC SN 37:33 0.46 0.83 1.015
37:40 0.40 6.39 1.81 4.58 1.018
38:34 0.42 1,073.58 317.64 755.94 1.043 13C12-HpCDF 789 SUR4
39:00 0.46 1.67 0.53 1.14 1.055
418-420 4 Peaks 2,241.18

----- Above: HpCDF / HpCDD Follows -----

HpCDD 0.88-1.20 0.975-1.005
424-426 DC NL Height 0.43 0.20 0.23
37:17 0.98 104.70 51.77 52.93 0.980
38:03 1.02 93.49 47.24 46.25 1.000 1234678-HpCDD AN
DC WH 38:34 RO 2.67 3.18 1.014
424-426 2 Peaks 198.19

13C12-HpCDD 0.88-1.20 0.974-1.026
436-438 DC NL Height 5.57 3.76 1.81
37:23 RO 4.56 96.57 215.80 47.34 0.983
37:46 RO 5.03 33.23 81.98 16.29 0.993
38:02 1.08 1,312.18 681.29 630.89 1.000 13C12-HpCDD 678 IS7
Height 324.24 166.72 157.52
436-438 3 Peaks 1,441.98

----- Above: HpCDD / Octa-CDD and CDF Follows -----

OCDF 0.76-1.02 0.904-1.096
442-444 DC NL Height 0.51 0.34 0.17
DC WL 36:07 RO 3.41 0.60 0.864
DC WL 36:42 RO 2.84 0.70 0.878
DC WL 37:10 RO 3.09 0.64 0.889
DC SN 38:02 RO 6.58 0.36 0.910
DC SN 39:06 RO 3.18 0.32 0.935
DC SN 41:15 RO 4.00 0.26 0.967
DC SN 41:33 RO 1.30 0.62 0.994
DC SN 41:43 RO 0.24 0.28 0.998
42:01 0.81 36.73 16.42 20.31 1.005 OCDF AN J
442-444 1 Peak 36.73

OCDD 0.76-1.02 0.904-1.096
458-460 DC NL Height 0.21 0.10 0.11
41:49 0.84 714.64 326.91 387.73 1.000 OCDD AN
458-460 1 Peak 714.64

13C12-OCDD 0.76-1.02 0.996-1.004
470-472 DC NL Height 5.19 3.53 1.66
41:48 0.87 2,114.85 986.17 1,128.68 1.000 13C12-OCDD IS8
Height 432.66 202.05 230.61

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Page No. 6 Listing of S020234B.dbf
01/17/2002 Matched GC Peaks / Ratio / Ret. Time

Compound/
... QC.Log Omit Why ..RT. OK Ratio Total.Area/Ht Area/Ht.Peak1 Area/Ht.Peak2 Rel.RT Compound.Name.. ID.. Flags.
DC WH 42:17 RO 2.57 55.09 1.012
470-472 1 Peak 2,114.85

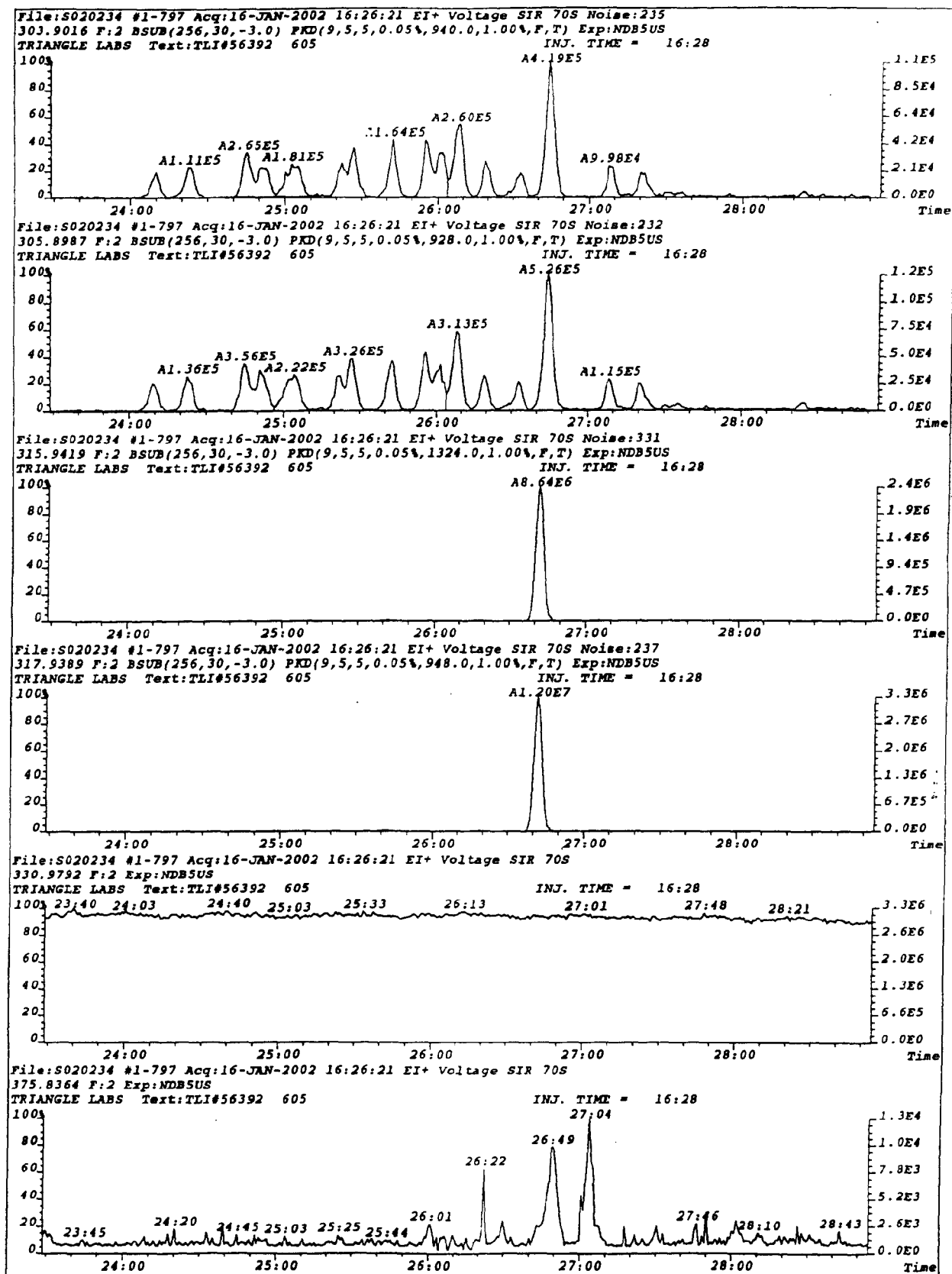
Column Description.....	*Why* Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

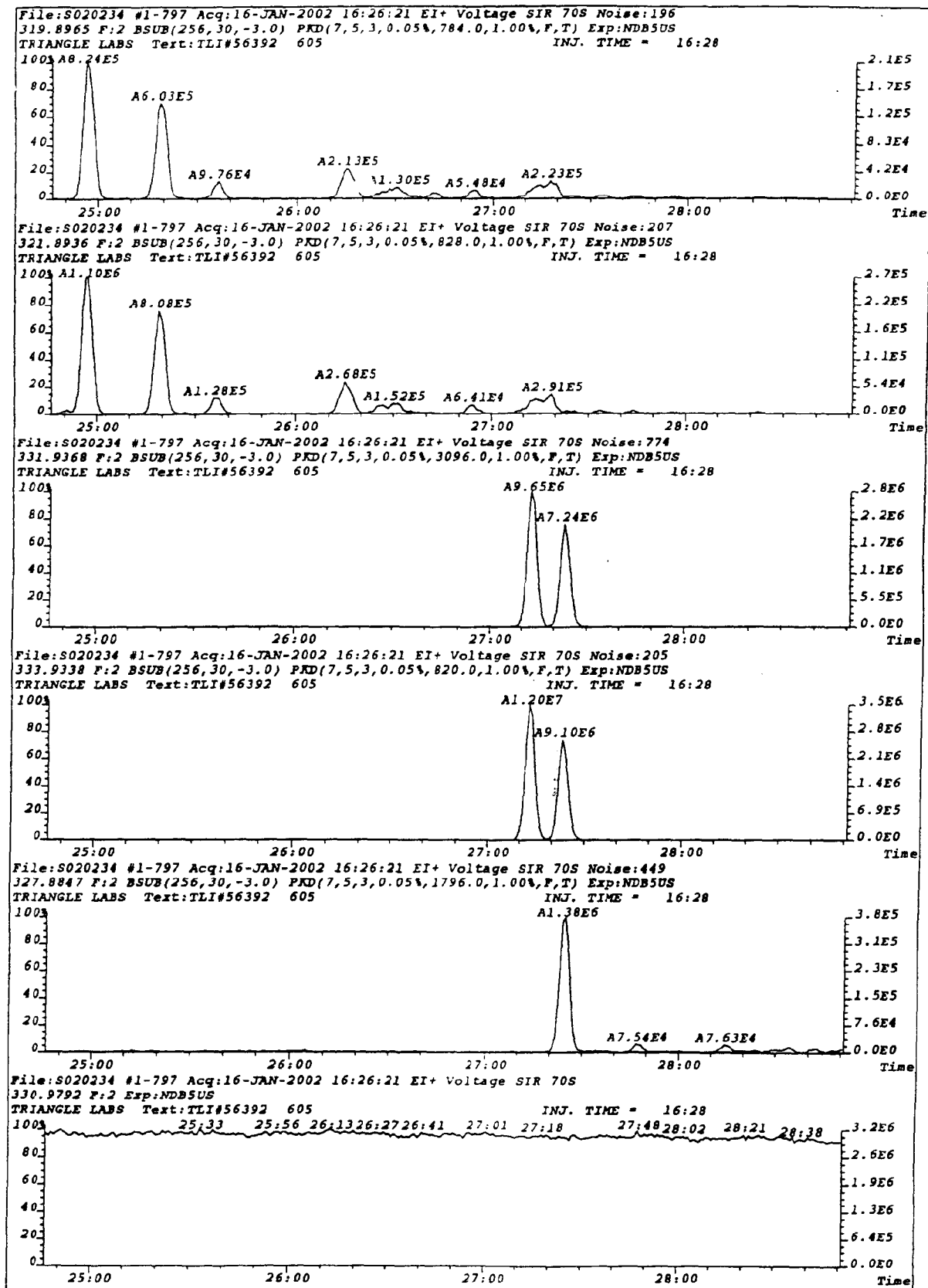
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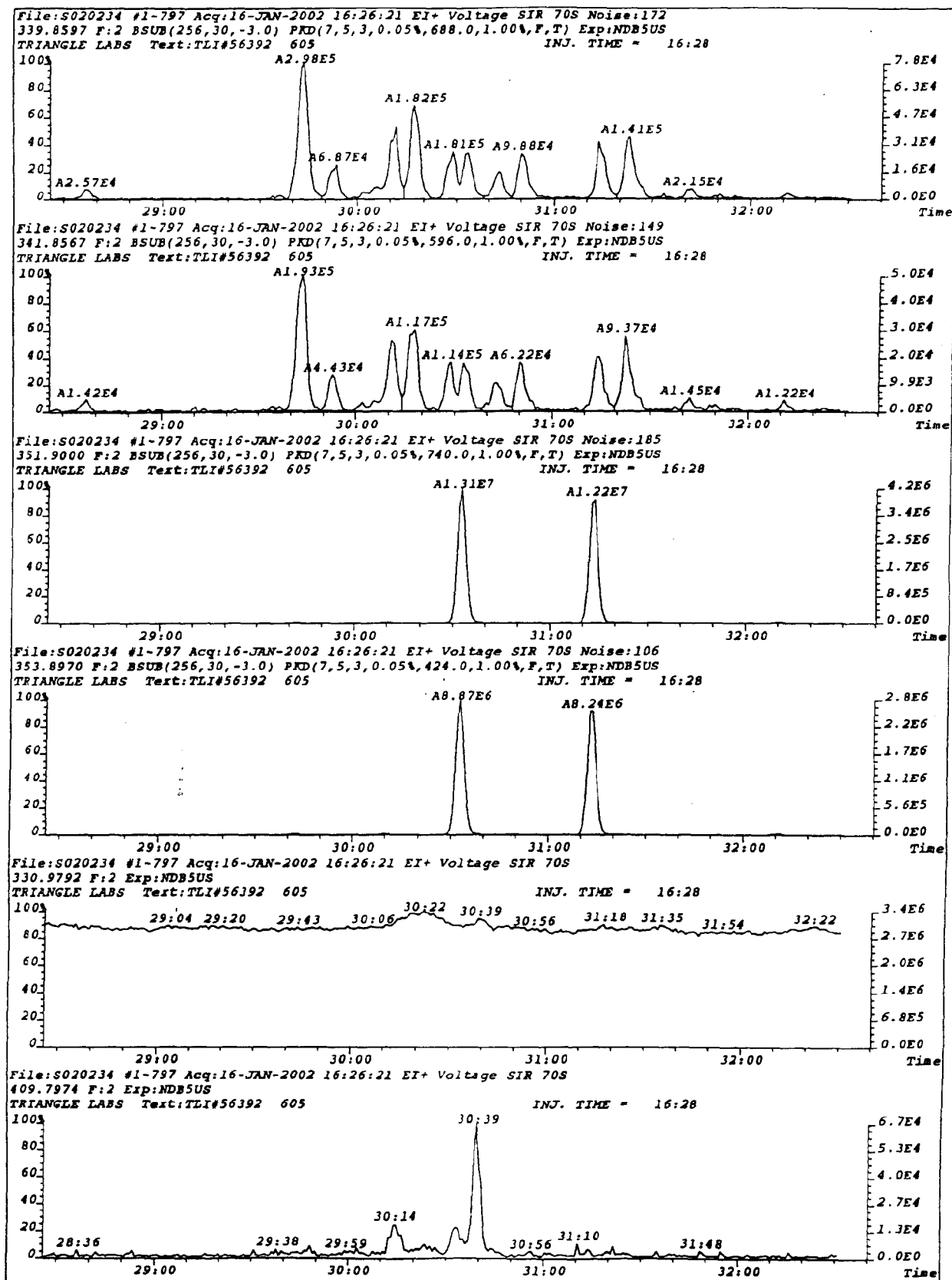
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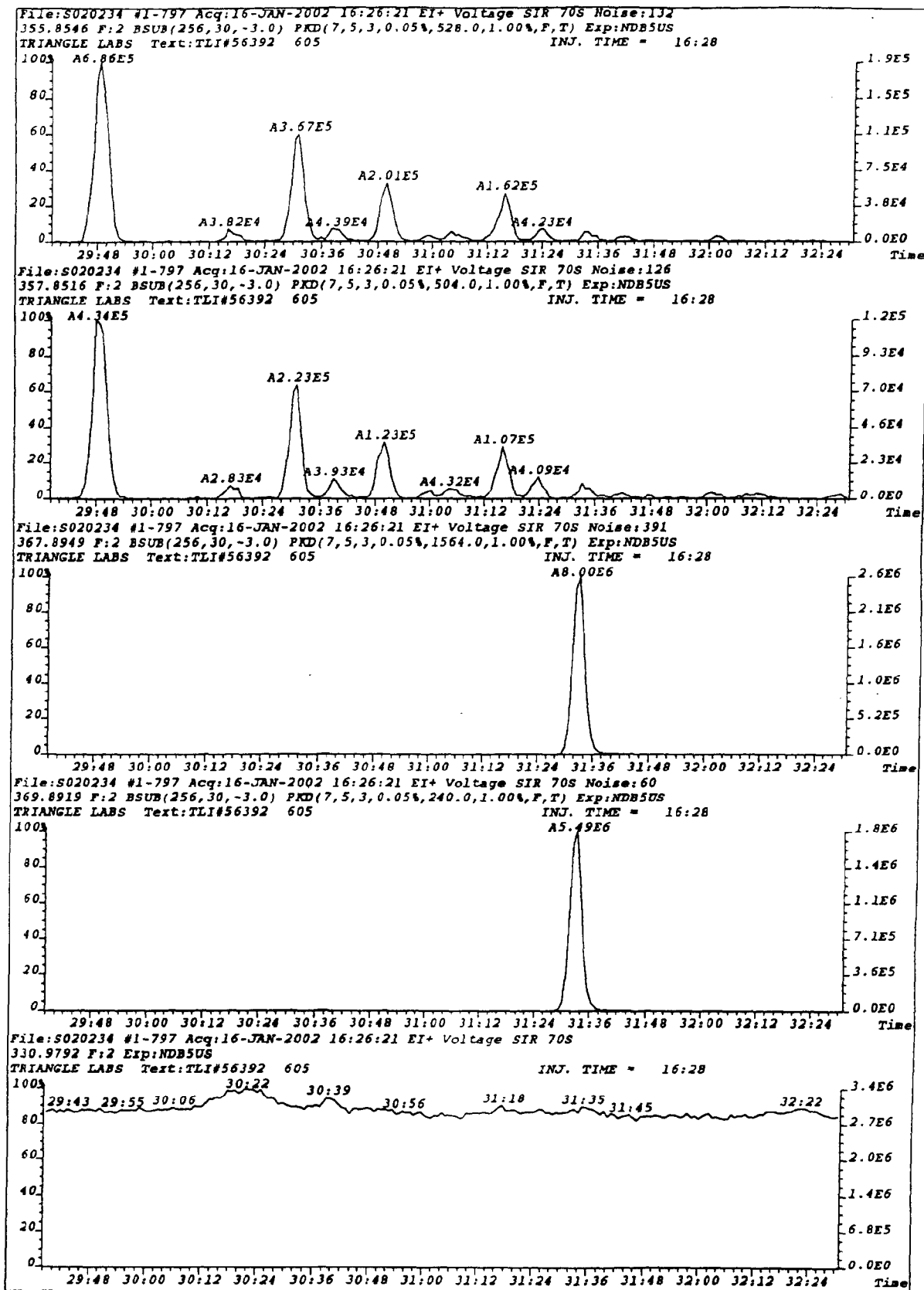
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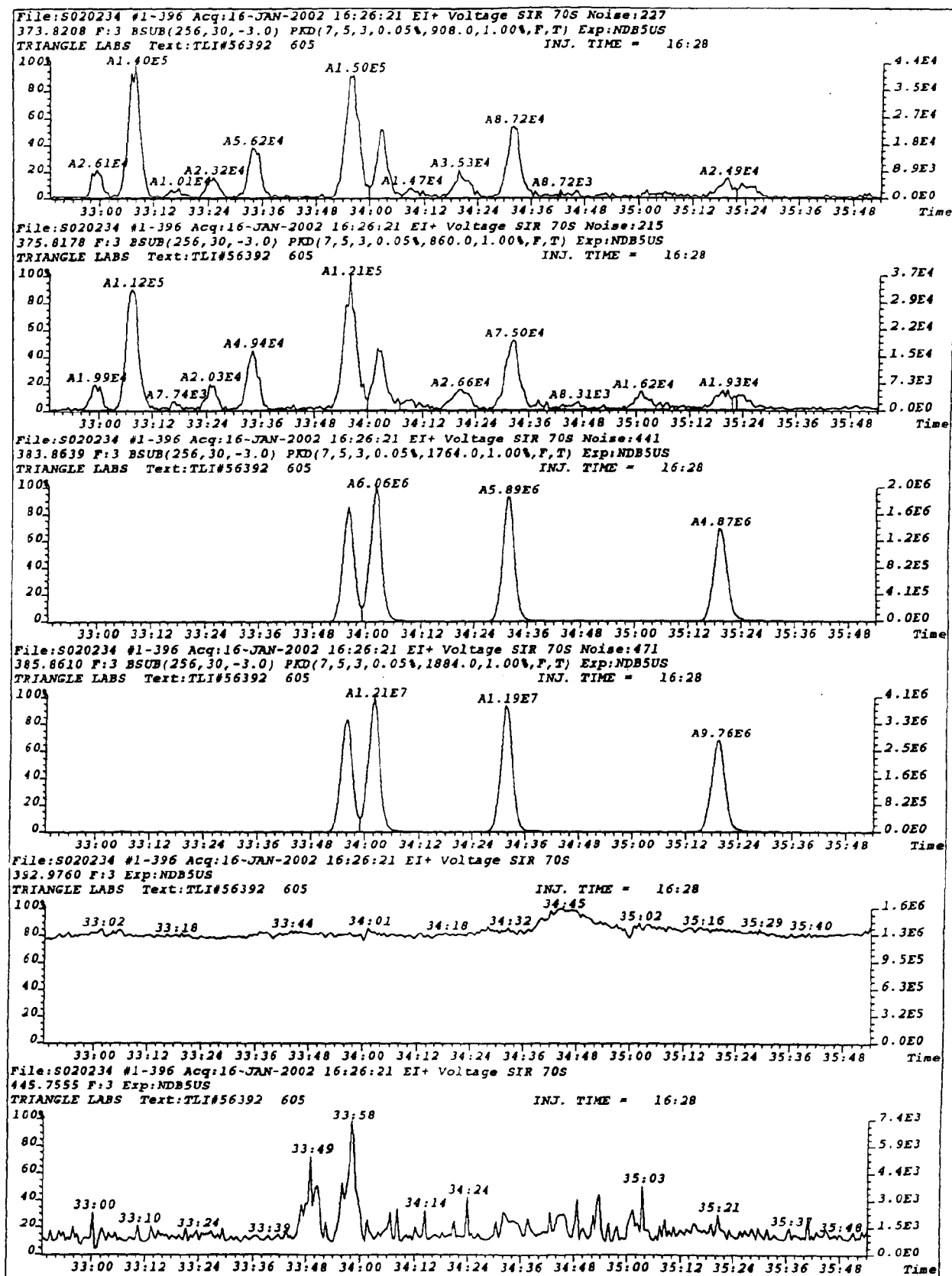
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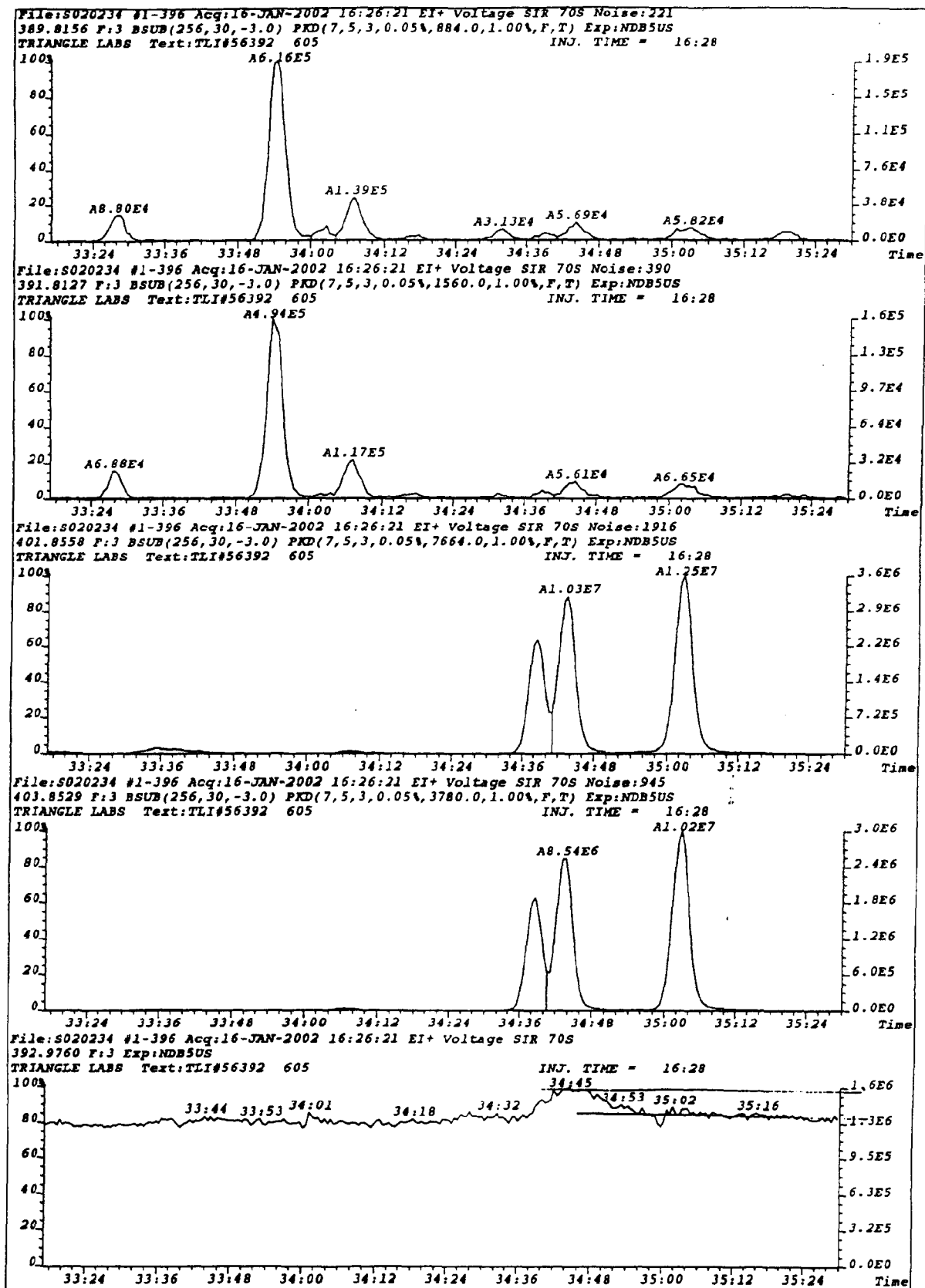


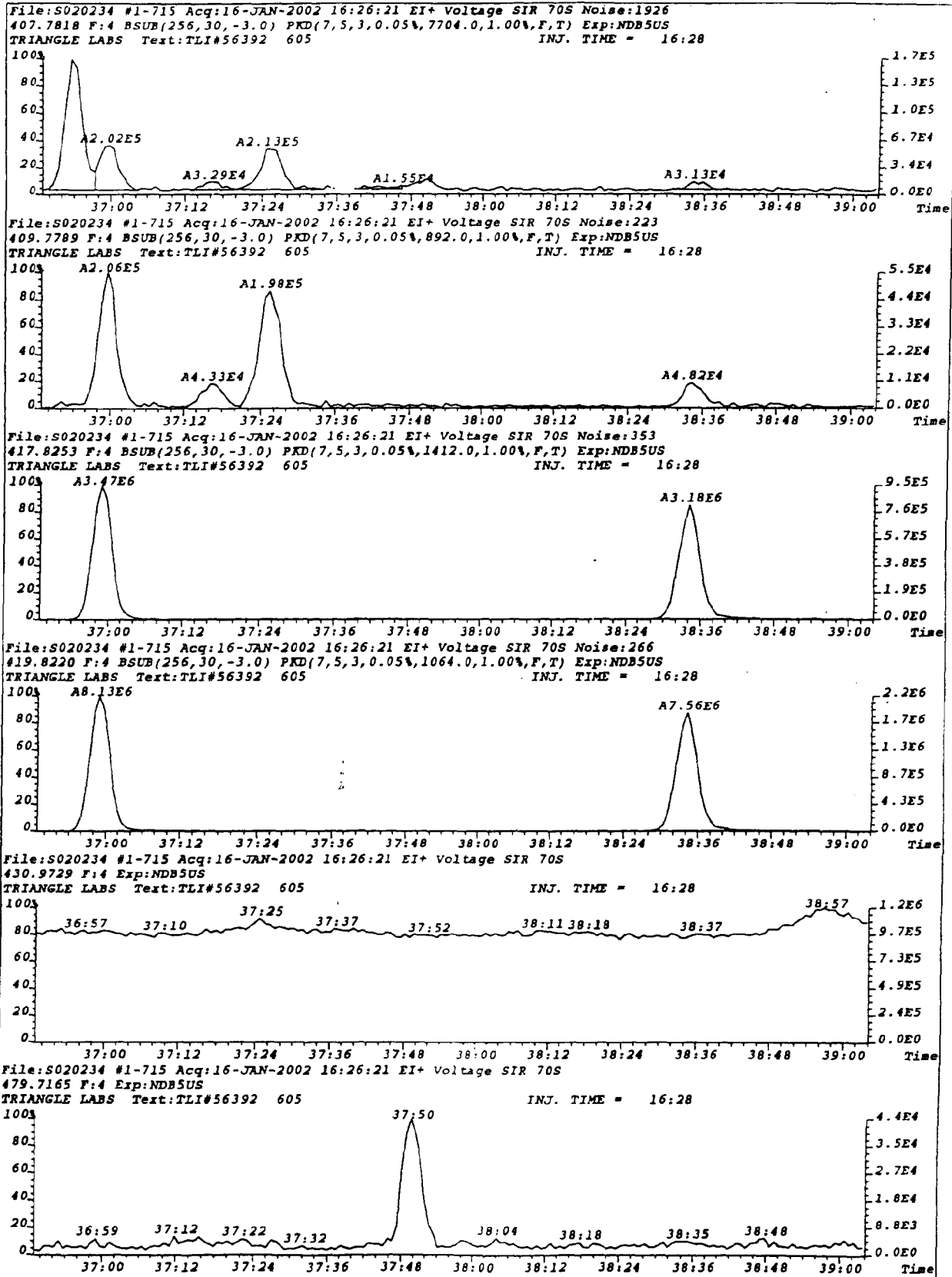


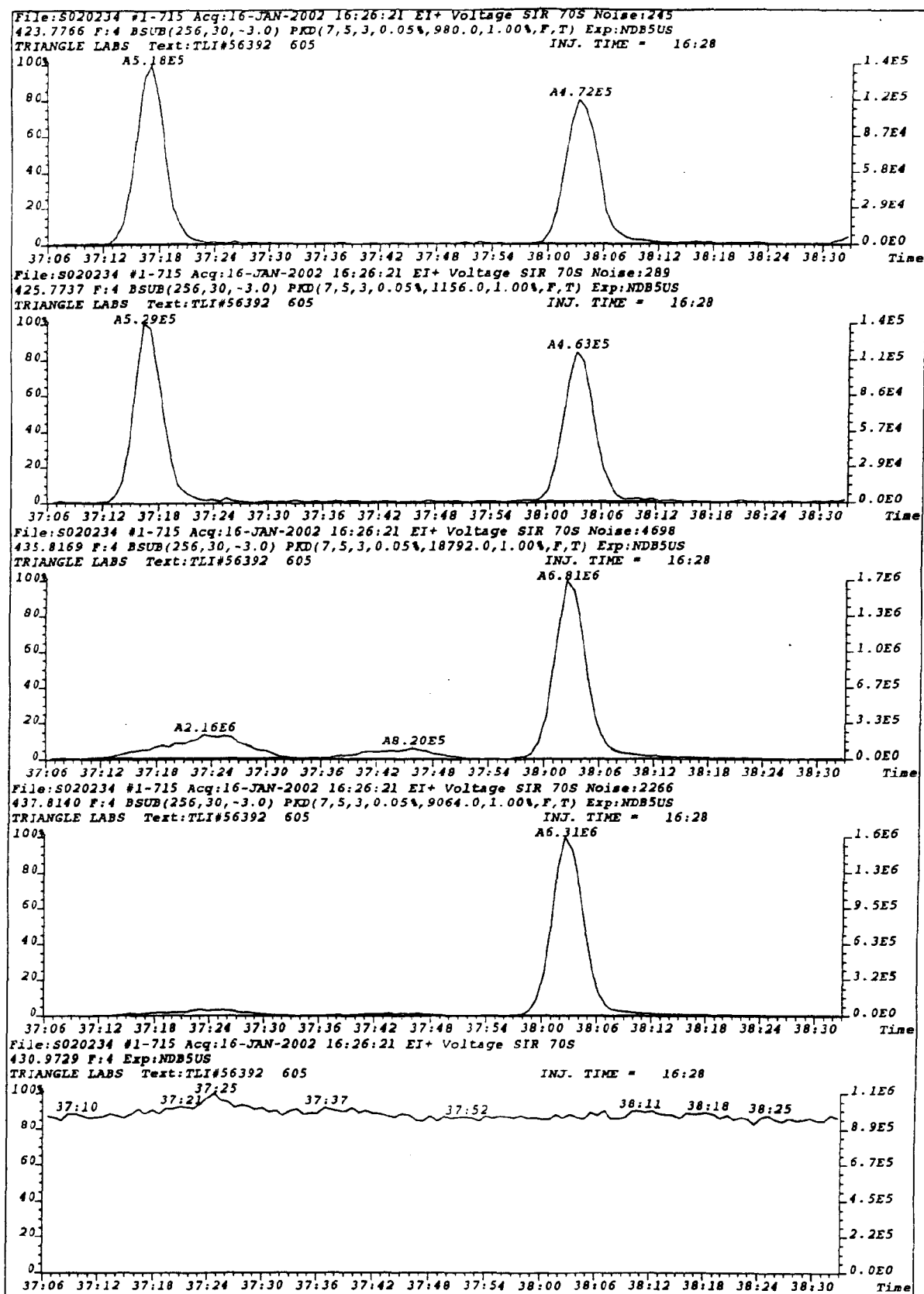


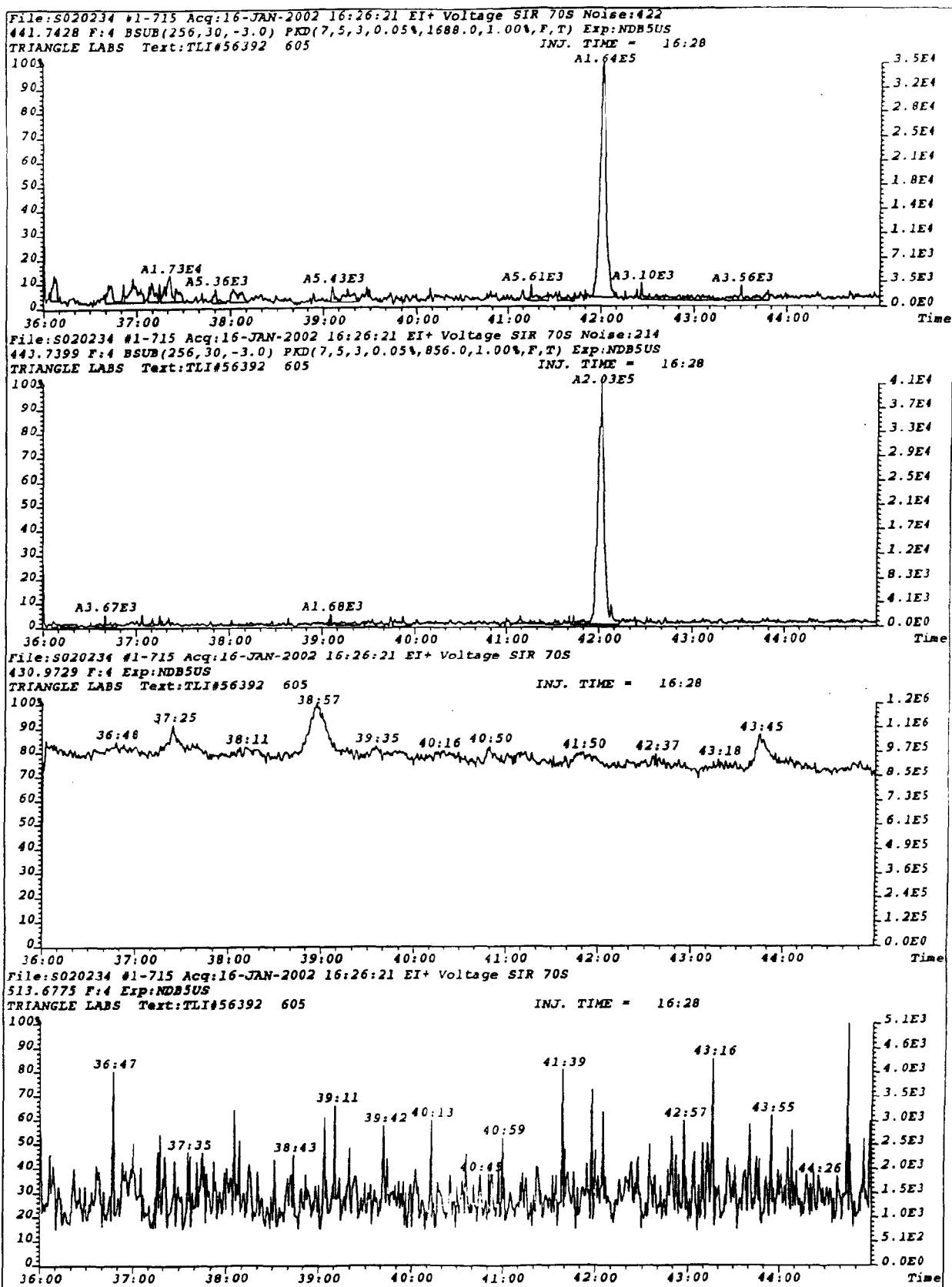


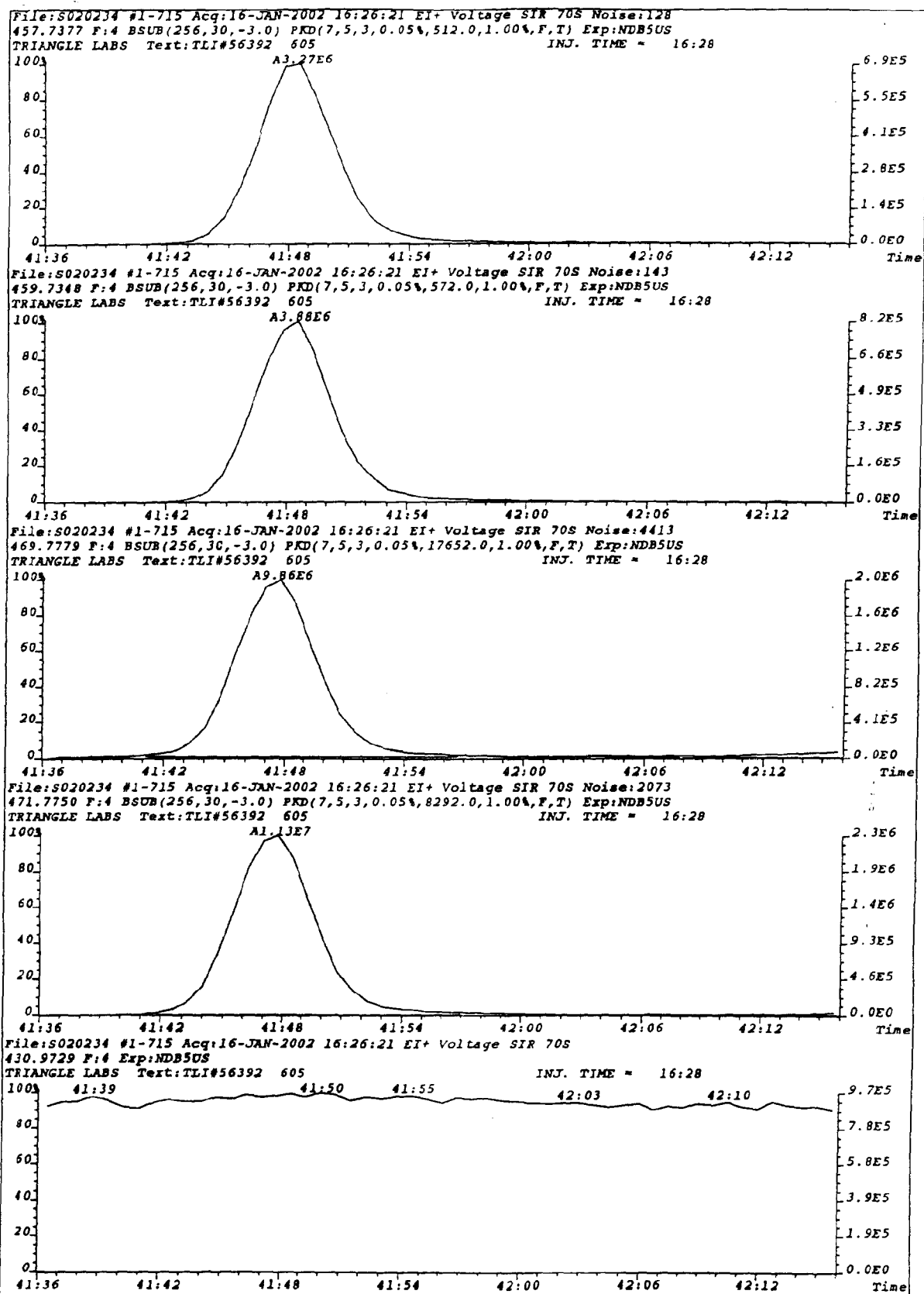


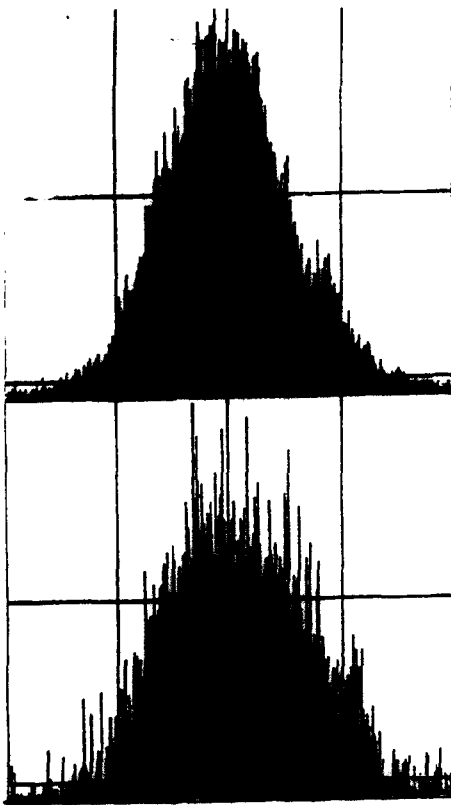




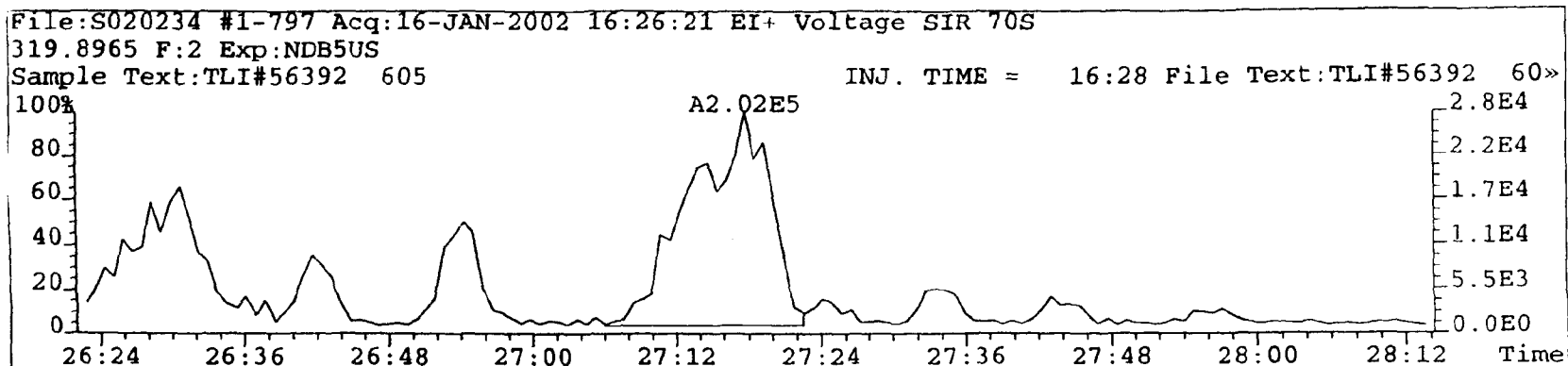
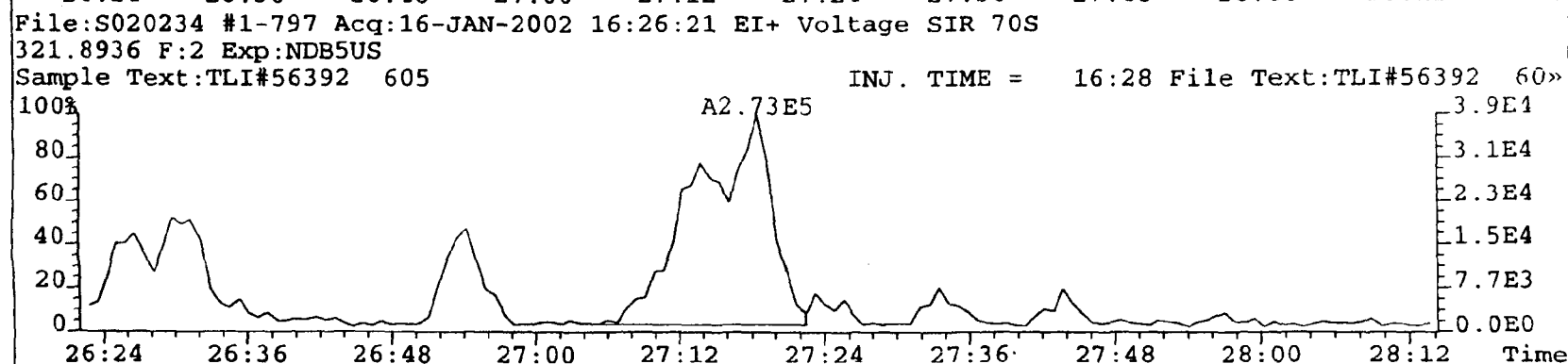
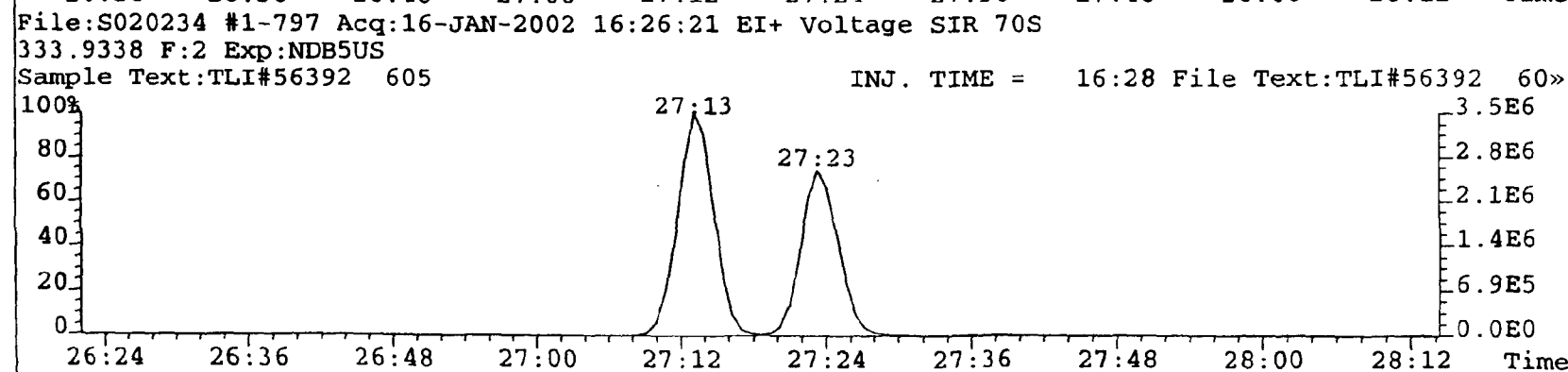






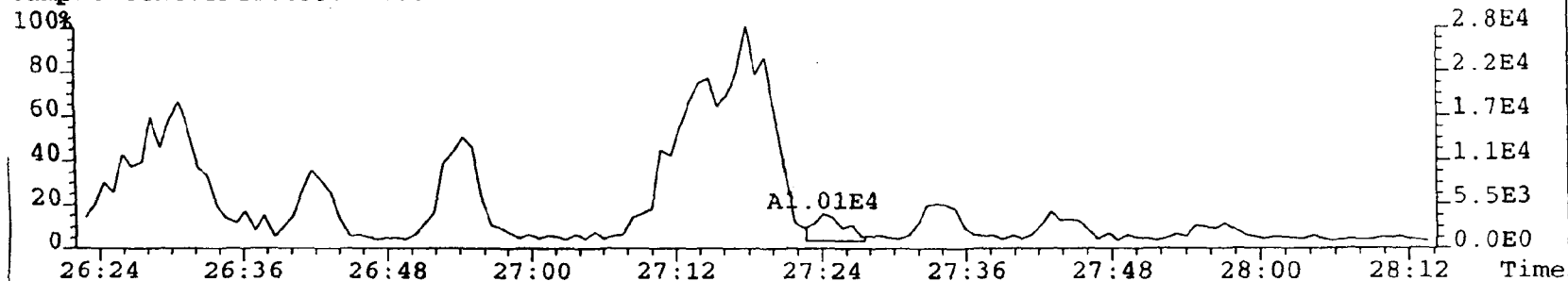


Channel	I	330.9792	Peak top
Height	.63 volts	Span	200 ppm
System file name			
ND05US			
Data file name			
A:S116821			
Resolution			
10000			
Group number			
2			
Ionization mode			
EI+			
Switching			
VOLTAGE			
Ref. masses			
292.9825, 416.9760			
A	293	J	331
B	304	K	332
C	306	L	334
D	316	M	340
E	318	N	342
F	320	O	352
G	322	P	354
H	328	Q	356
I	331	R	358
Ref. mass			
416.9760			
Peak top			
Height .10 volts Span 200 ppm			

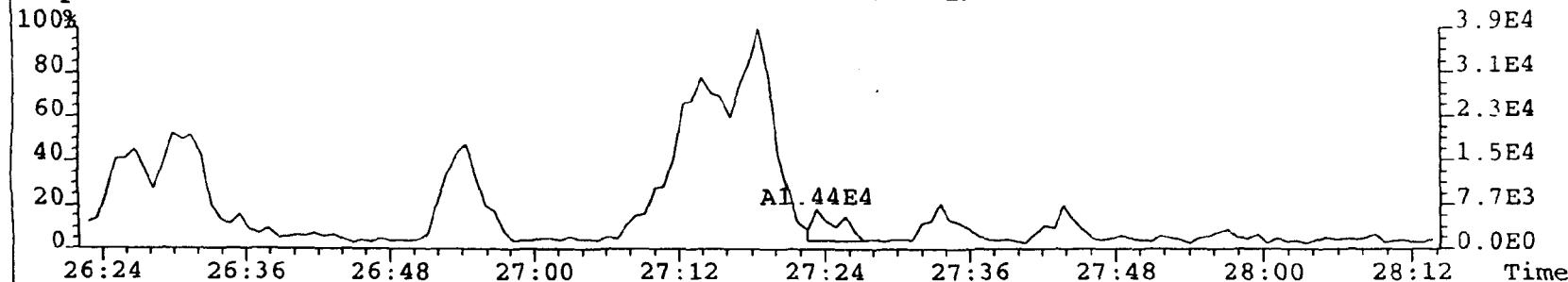


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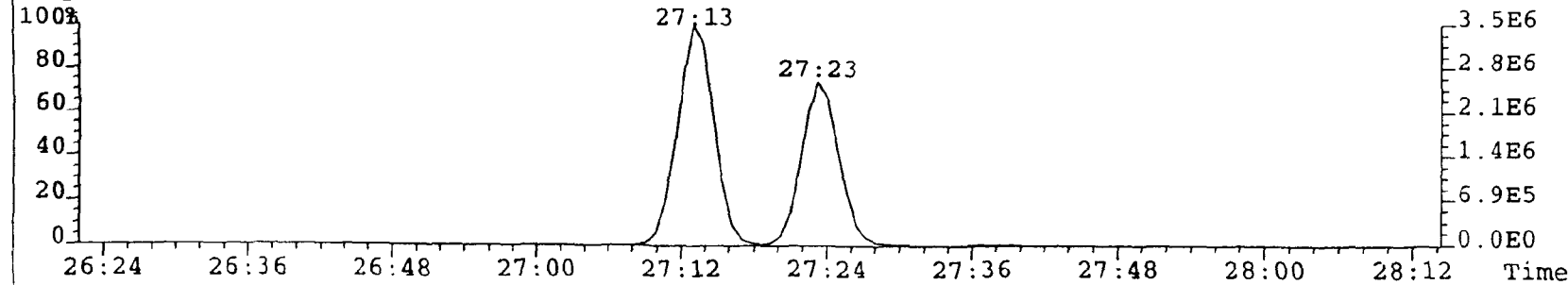
File:S020234 #1-797 Acq:16-JAN-2002 16:26:21 EI+ Voltage SIR 70S
 319.8965 F:2 Exp:NDB5US
 Sample Text:TLI#56392 605 INJ. TIME = 16:28 File Text:TLI#56392 60»

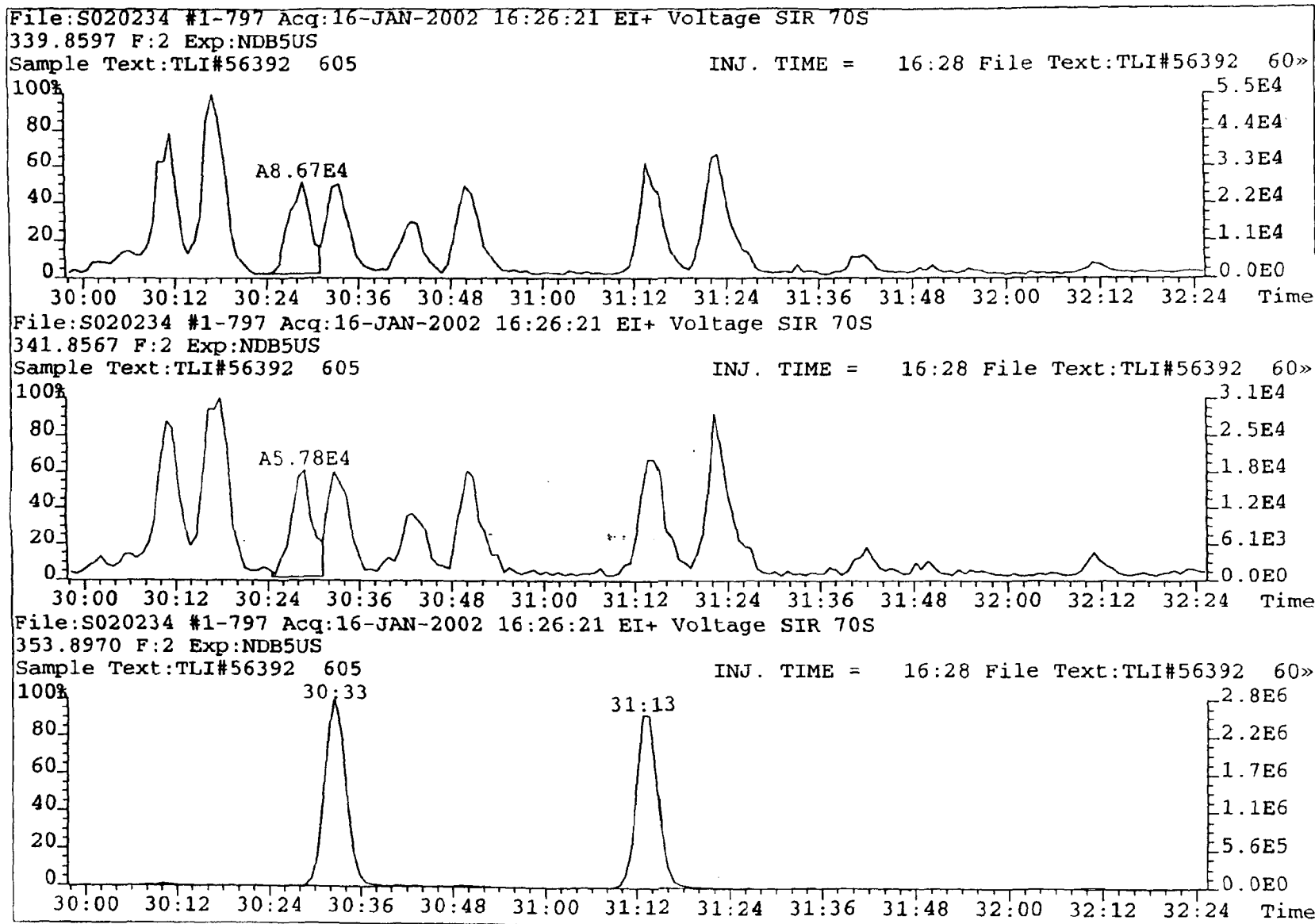


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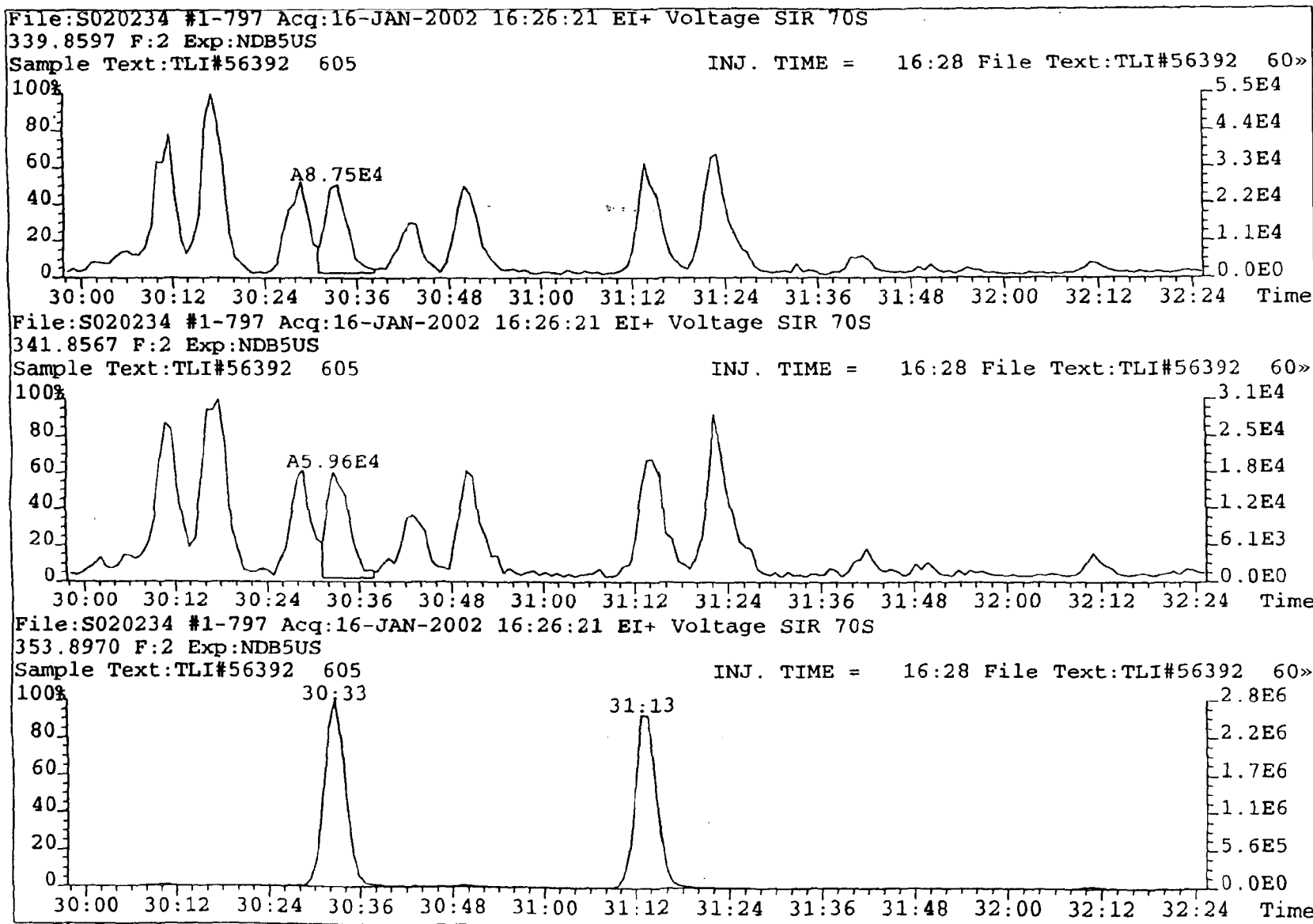


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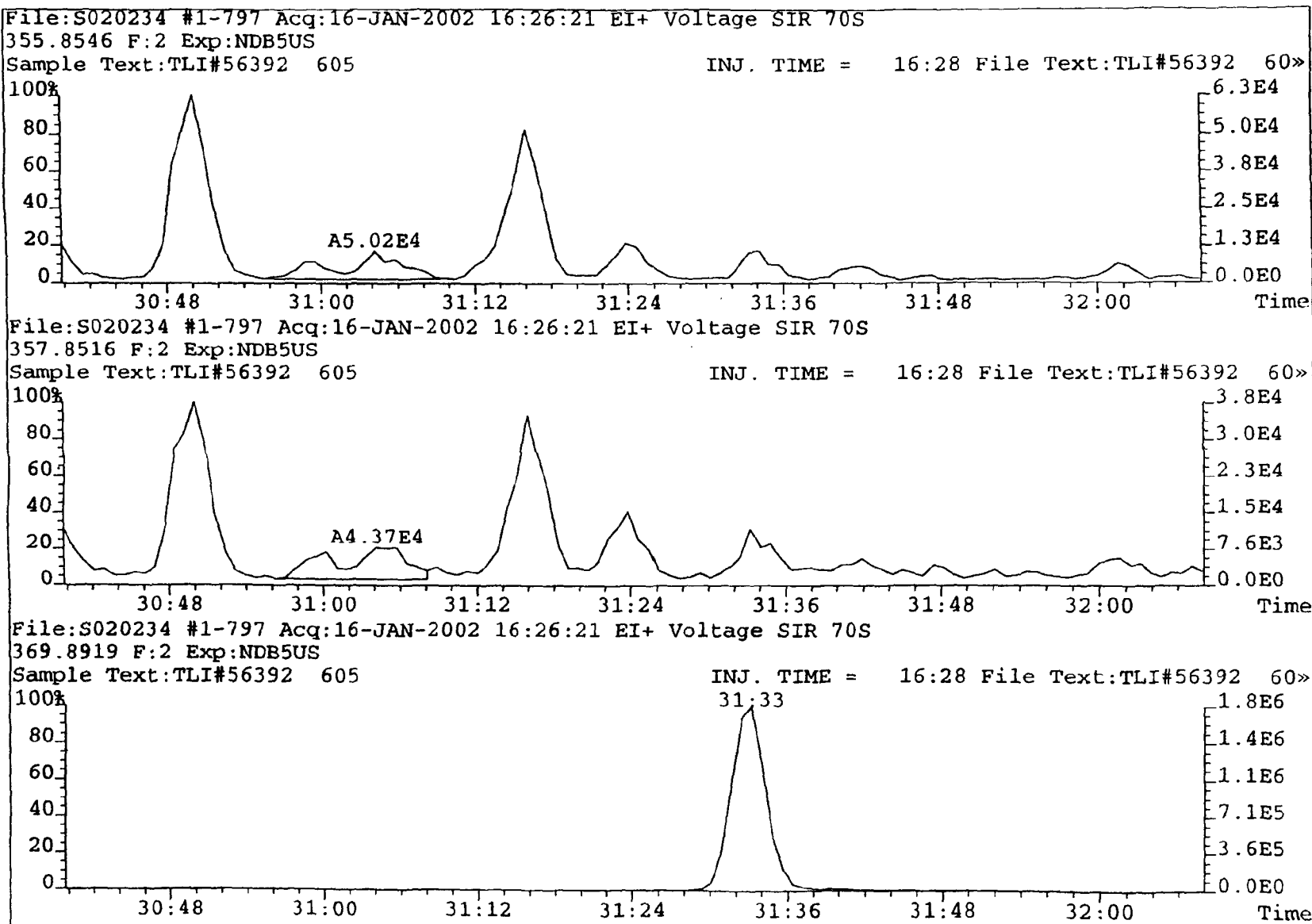




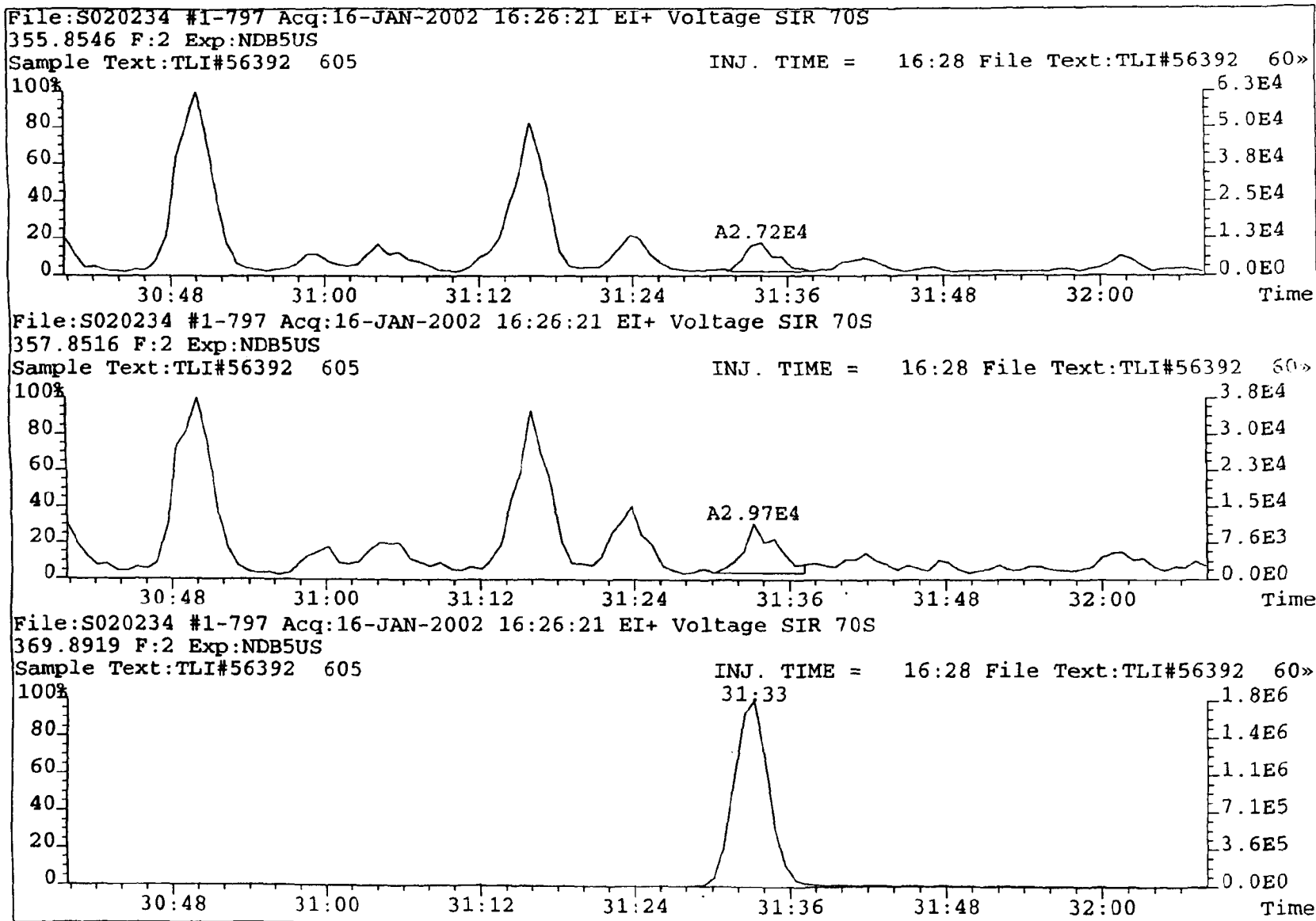
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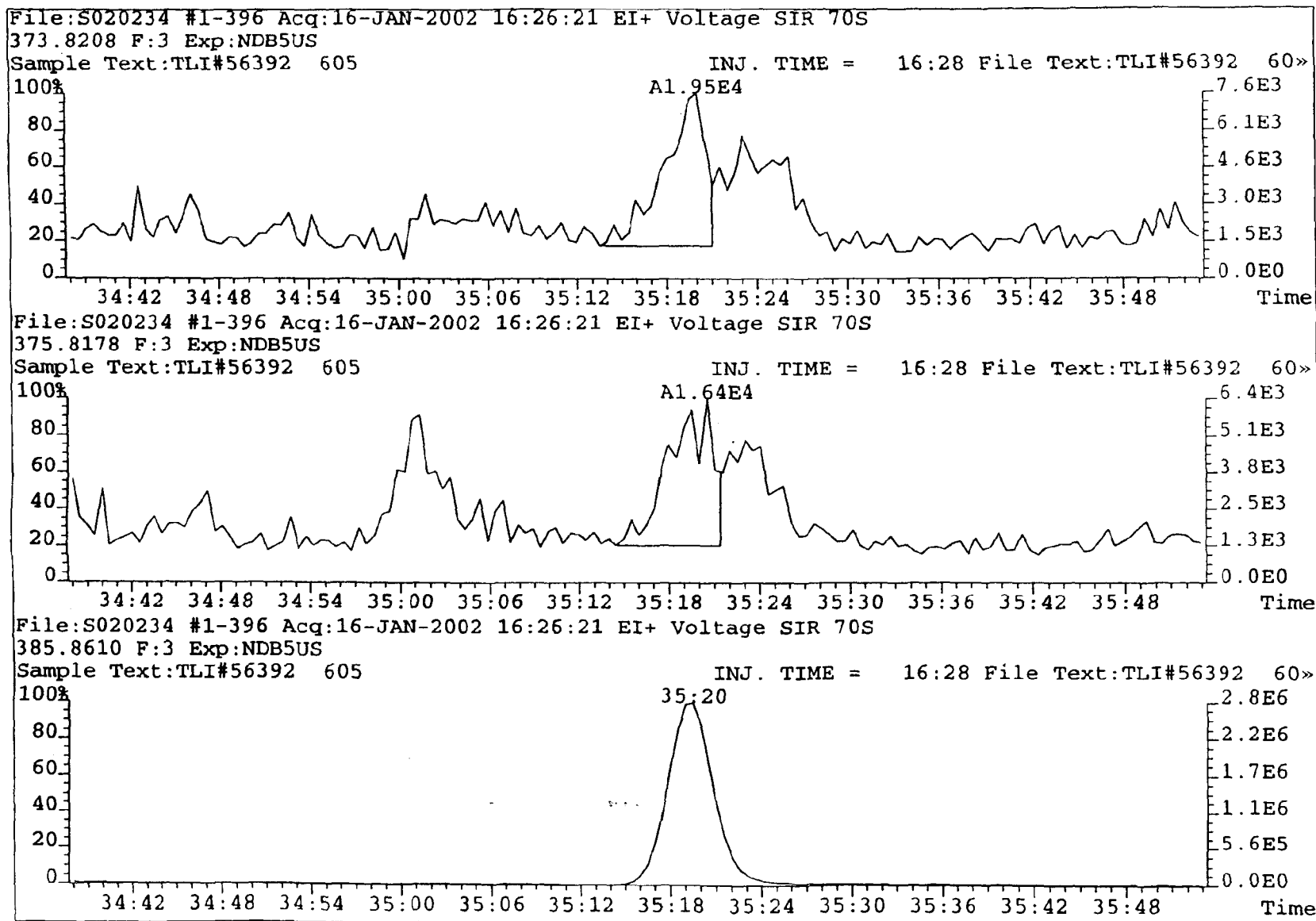
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13:



132



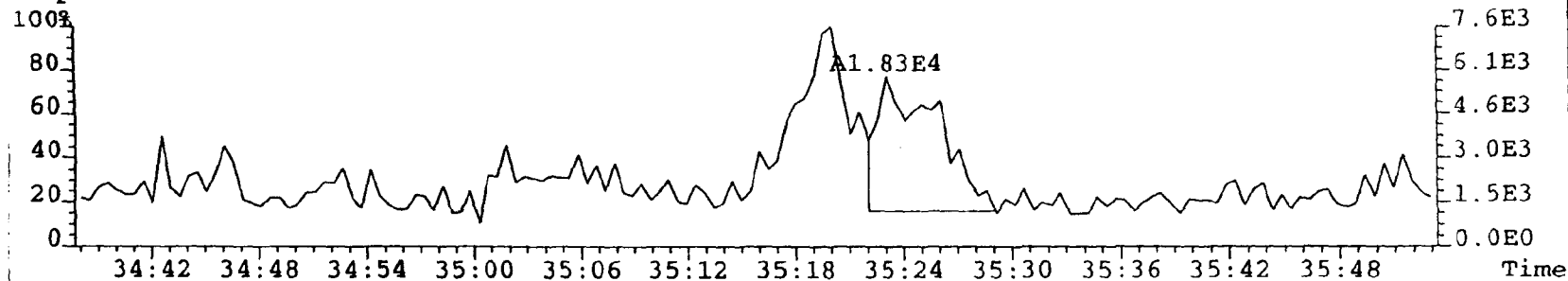
133

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373.8208 F:3 Exp:NDB5US

Sample Text:TLI#56392 605

INJ. TIME = 16:28 File Text:TLI#56392 60»

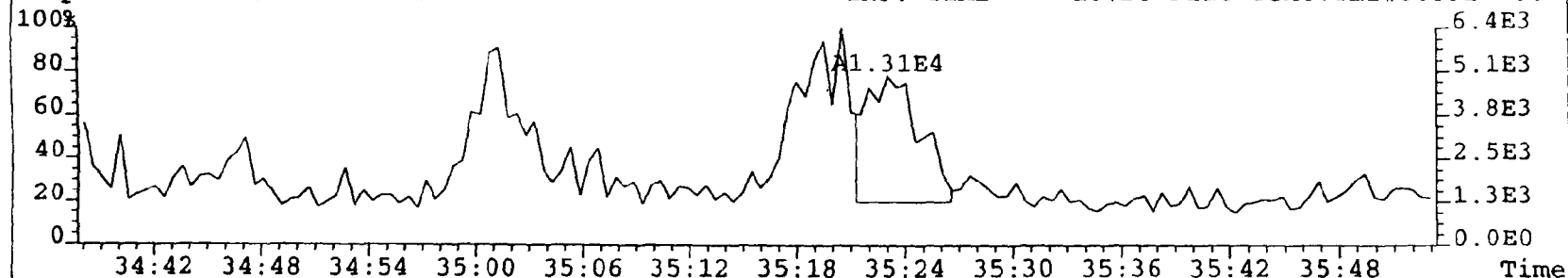


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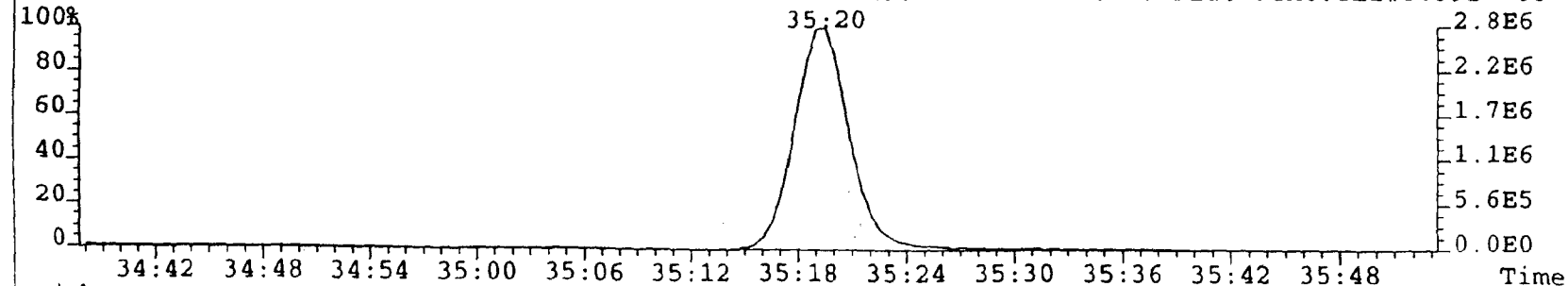


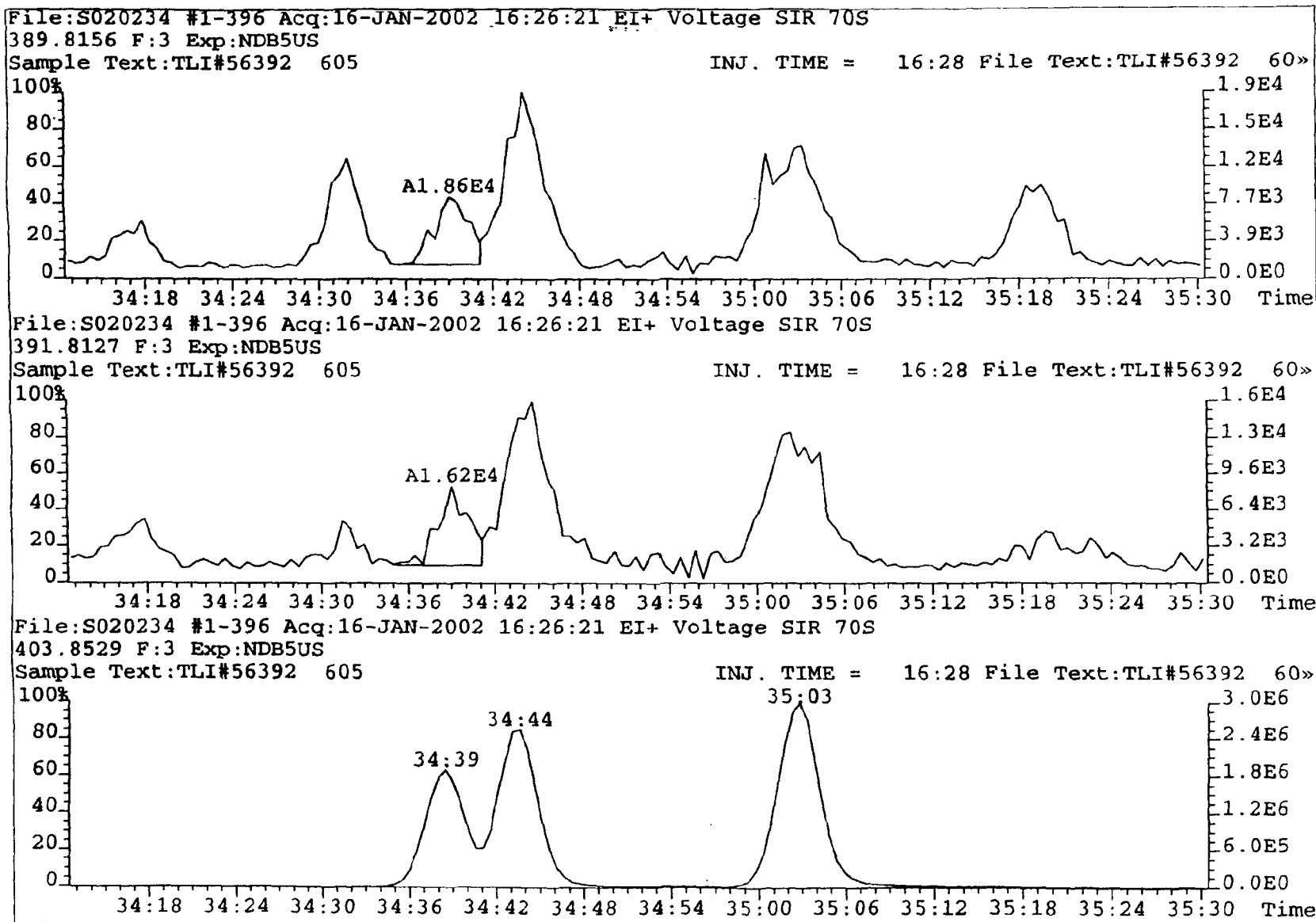
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385.8610 F:3 Exp:NDB5US

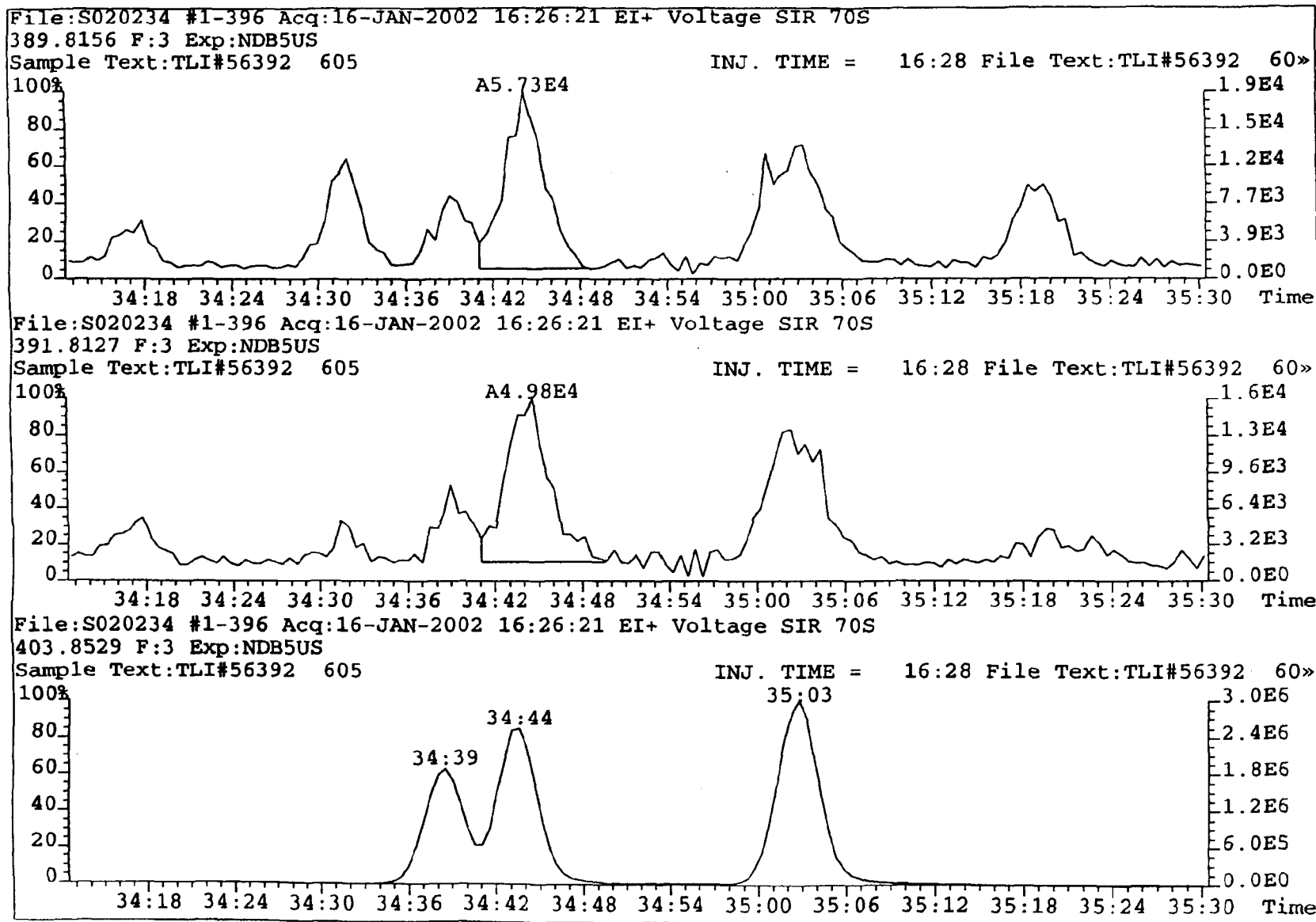
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INJ. TIME = 16:28 File Text:TLI#56392 60»

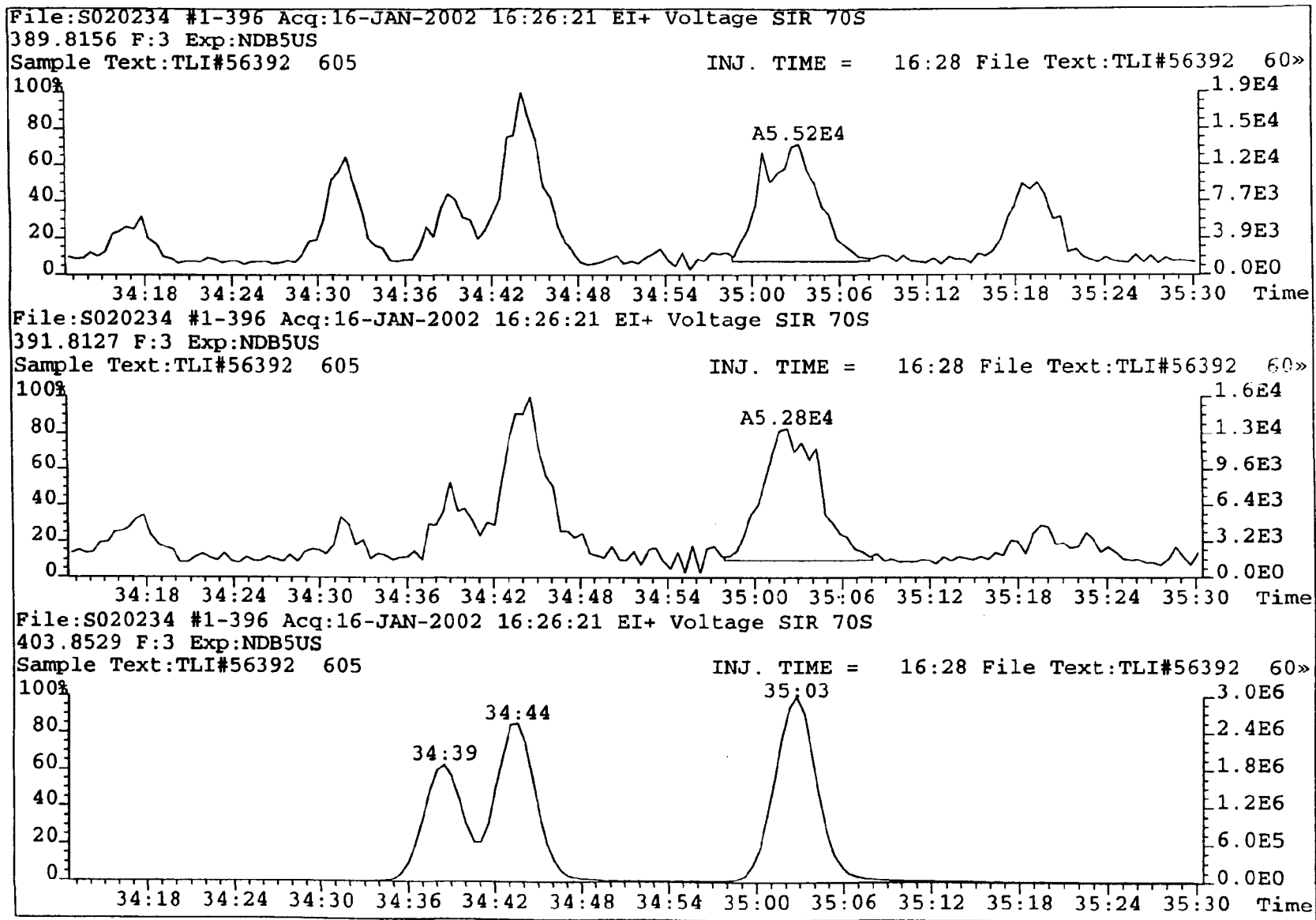




13f



1



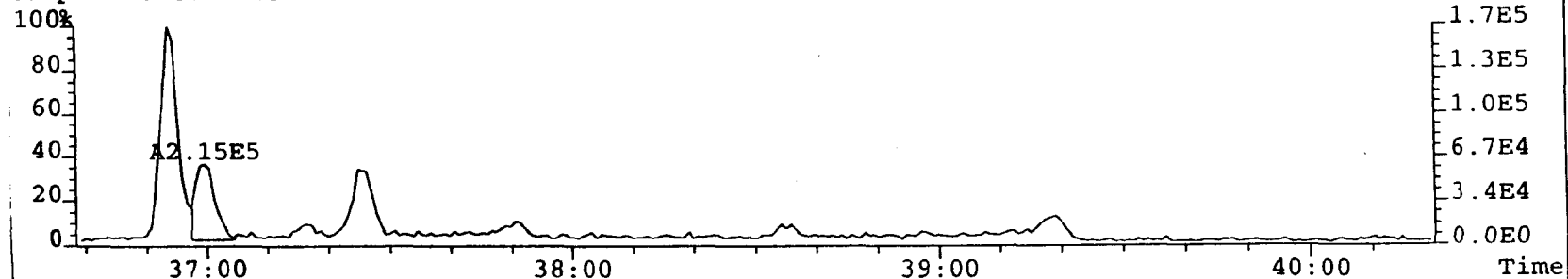
137

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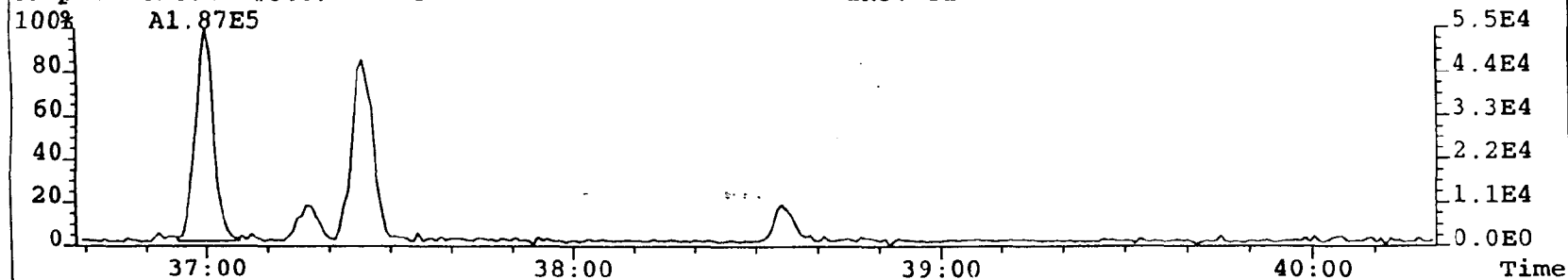


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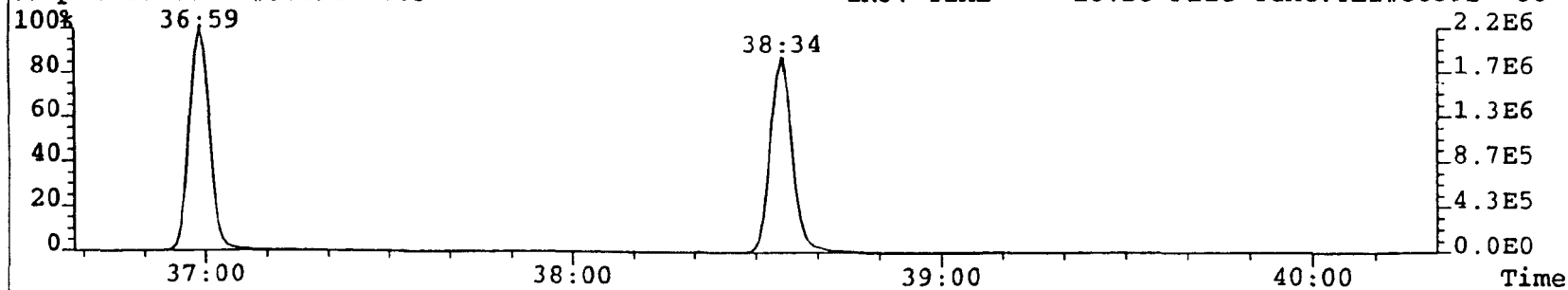


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Sample Text:TLI#56392 605

INJ. TIME = 16:28 File Text:TLI#56392 60»



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