

H. A. Bader, Consultants

TLI Project: 56392
Client Sample: 606

Method 8290 PCDD/PCDF Analysis (b)
Analysis File: S020235

Client Project:	NYC WTC area testing			Spike File:	SPMIT34W
Sample Matrix:	WIPE	Date Received:	01/12/2002	ICal:	SF57121
TLI ID:	315-65-3	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	0.16			0.81	27:24	—
1,2,3,7,8-PeCDD	EMPC		0.48			—
1,2,3,4,7,8-HxCDD	0.29			1.17	34:39	—
1,2,3,6,7,8-HxCDD	0.56			1.14	34:44	—
1,2,3,7,8,9-HxCDD	0.86			1.08	35:03	—
1,2,3,4,6,7,8-HpCDD	2.7			1.02	38:04	—
1,2,3,4,6,7,8,9-OCDD	10.9			0.85	41:49	—
2,3,7,8-TCDF	8.1			0.80	26:45	E_
1,2,3,7,8-PeCDF	EMPC		1.3			X_
2,3,4,7,8-PeCDF	1.4			1.53	31:14	—
2,3,4,7,8-HxCDF	2.5			1.24	33:56	—
2,3,6,7,8-HxCDF	0.87			1.24	34:03	—
2,3,4,6,7,8-HxCDF	1.4			1.25	34:32	—
1,2,3,7,8,9-HxCDF	0.22			1.38	35:19	—
1,2,3,4,6,7,8-HpCDF	2.6			1.11	37:00	—
1,2,3,4,7,8,9-HpCDF	0.64			0.96	38:35	—
1,2,3,4,6,7,8,9-OCDF	1.2			0.89	42:01	—

Totals	Amt. (ng)	Number	DL	EMPC	Flags
Total TCDD	54.5	12			E_
Total PeCDD	35.2	7		37.4	—
Total HxCDD	20.4	7			—
Total HpCDD	6.1	2			—
Total TCDF	42.3	17			E_
Total PeCDF	16.0	10		18.5	X_
Total HxCDF	8.6	12		8.6	—
Total HpCDF	5.2	4			—

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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	2.9	71.8	40%-130%	0.71	26:42	—
¹³ C ₁₂ -2,3,7,8-TCDD	3.1	78.4	40%-130%	0.79	27:24	—
¹³ C ₁₂ -1,2,3,7,8-PeCDF	3.5	87.6	40%-130%	1.44	30:34	—
¹³ C ₁₂ -1,2,3,7,8-PeCDD	3.9	98.4	40%-130%	1.48	31:33	—
¹³ C ₁₂ -1,2,3,6,7,8-HxCDF	0.99	24.7	40%-130%	0.50	34:02	V—
¹³ C ₁₂ -1,2,3,6,7,8-HxCDD	1.7	41.3	40%-130%	1.19	34:44	—
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDF	0.78	19.4	25%-130%	0.42	37:00	V—
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDD	2.1	53.2	25%-130%	1.01	38:03	—
¹³ C ₁₂ -1,2,3,4,6,7,8,9-OCDD	4.1	51.0	25%-130%	0.86	41:49	—

Surrogate Standards (Type B)	Amt. (ng)	% Recovery	QC Limits	Ratio	RT	Flags
¹³ C ₁₂ -2,3,4,7,8-PeCDF	3.7	92.5	40%-130%	1.48	31:14	—
¹³ C ₁₂ -1,2,3,4,7,8-HxCDF	0.89	22.2	40%-130%	0.49	33:57	V—
¹³ C ₁₂ -1,2,3,4,7,8-HxCDD	1.6	40.1	40%-130%	1.21	34:39	—
¹³ C ₁₂ -1,2,3,4,7,8,9-HpCDF	1.7	42.6	25%-130%	0.43	38:34	—

Other Standard	Amt. (ng)	% Recovery	QC Limits	RT	Flags
¹⁷ Cl ₄ -2,3,7,8-TCDD	0.33	83.7	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	1.5	37.7	40%-130%	0.49	35:20	V—
¹³ C ₁₂ -2,3,4,6,7,8-HxCDF	1.5	36.3	40%-130%	0.50	34:32	V—

Recovery Standards	Ratio	RT	Flags
¹³ C ₁₂ -1,2,3,4-TCDD	0.82	27:14	—
¹³ C ₁₂ -1,2,3,7,8,9-HxCDD	1.00	35:03	RO—

Data Reviewer: Khu 01/17/2002

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MIT3_PSR v1 (X) LARS 6 25 01m

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H. A. Bader, Consultants

TLI Project: 56392
 Ident Sample: 606

Toxicity Equivalents Report
 Analysis File: S020235

Client Project:	NYC WTC area testing			Spike File:	SPMIT34W
Sample Matrix:	WIPE	Date Received:	01/12/02	ICal:	SF57121
TLI ID:	315-65-3	Date Extracted:	01/14/02	ConCal:	S020224
		Date Analyzed:	01/16/02		
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	0.16	x	1.	=	0.16
1,2,3,7,8-PeCDD	[0.48]	x	0.5	=	0.24
1,2,3,4,7,8-HxCDD	0.29	x	0.1	=	0.029
1,2,3,6,7,8-HxCDD	0.56	x	0.1	=	0.056
1,2,3,7,8,9-HxCDD	0.86	x	0.1	=	0.086
1,2,3,4,6,7,8-HpCDD	2.7	x	0.01	=	0.027
1,2,3,4,6,7,8,9-OCDD	10.9	x	0.001	=	0.0109
TOTAL PCDD					0.61
2,3,7,8-TCDF	1.3	x	0.1	=	0.13
1,2,3,7,8-PeCDF	[1.3]	x	0.05	=	0.065
3,4,7,8-PeCDF	1.4	x	0.5	=	0.70
2,3,4,7,8-HxCDF	2.5	x	0.1	=	0.25
2,3,6,7,8-HxCDF	0.87	x	0.1	=	0.087
2,3,4,6,7,8-HxCDF	1.4	x	0.1	=	0.14
1,2,3,7,8,9-HxCDF	0.22	x	0.1	=	0.022
1,2,3,4,6,7,8-HpCDF	2.6	x	0.01	=	0.026
1,2,3,4,7,8,9-HpCDF	0.64	x	0.01	=	0.0064
1,2,3,4,6,7,8,9-OCDF	1.2	x	0.001	=	0.0012
TOTAL PCDF					1.43

Total EPA TEFs, 1989a: 2.04 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.

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_Z.... 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	1.05	0.61	0.44		
	23:42	0.81	11.19	5.01	6.18	0.888	1368-TCDF AN J
	24:11	0.80	622.59	276.59	346.00	0.906	
	24:24	0.80	1,465.48	652.41	813.07	0.914	
	24:52	0.82	2,981.38	1,339.13	1,642.25	0.931	
	25:05	0.79	1,686.52	746.40	940.12	0.939	
	25:27	0.79	3,202.94	1,416.68	1,786.26	0.953	
	25:43	0.80	2,551.64	1,134.47	1,417.17	0.963	
	25:56	0.80	4,288.26	1,910.97	2,377.29	0.971	
	26:09	0.81	4,078.09	1,818.92	2,259.17	0.979	
	26:20	0.82	1,365.61	613.33	752.28	0.986	1278-TCDF AN
	26:34	0.80	1,191.24	528.19	663.05	0.995	
	26:45	0.80	6,269.15	2,783.34	3,485.81	1.002	2378-TCDF AN E
	27:09	0.81	1,115.31	499.49	615.82	1.017	
	27:21	0.81	1,253.69	561.07	692.62	1.024	
	27:36	0.82	375.72	169.65	206.07	1.034	
	28:25	0.86	219.59	101.65	117.94	1.064	
	28:31	0.81	105.32	47.29	58.03	1.068	
	DC WH 28:48	0.80	91.05		1.079		
94-306	17 Peaks		32,783.72				
13C12-TCDF		0.65-0.89		0.963-1.037			
16-318	DC NL	Height	2.80	2.11	0.69		
	DC WL 23:45 RO	2.59	4.53		0.890		
	DC WL 24:37 RO	4.27	13.10		0.922		
	26:42	0.71	3,042.39	1,266.33	1,776.06	1.000	13C12-2378-TCDF, ISO
		Height	839.34	352.89	486.45		
	27:04	0.83	38.66	17.49	21.17	1.014	
316-318	2 Peaks		3,081.05				

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

TCDD		0.65-0.89		0.904-1.041			
320-322	DC NL	Height	2.51	2.19	0.32		
	24:57	0.77	7,386.62	3,221.16	4,165.46	0.911	1368-TCDD AN E
	25:20	0.77	9,198.00	4,008.60	5,189.40	0.925	1379-TCDD AN E
	25:37	0.77	1,466.44	637.44	829.00	0.935	
	26:16	0.77	3,776.09	1,640.50	2,135.59	0.959	
	26:31	0.76	2,074.31	896.99	1,177.32	0.968	
	26:54	0.77	945.85	412.33	533.52	0.982	
M	27:19	0.76	3,950.00	1,710.00	2,240.00	0.997	
AN	27:24	0.81	94.60	42.30	52.30	1.000	2378-TCDD AN
	27:34	0.77	332.36	144.78	187.58	1.006	

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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.

RT	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
27:45	0.75	188.13	80.68	107.45	1.013			
27:57	0.84	46.79	30.50	36.29	1.020			
28:23	0.76	68.72	29.60	39.12	1.036			

320-322 12 Peaks 29,547.91

37C1-TCDD 0.927-1.073

RT	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
24:49		3.96			0.906			
24:58		33.01			0.911			
25:13		29.36			0.920			
25:20		40.74			0.925			
26:06		93.79	93.79		0.953			
26:15		15.58	15.58		0.958			
26:41		18.73	18.73		0.974			
27:25		215.87	215.87		1.001	37C1-TCDD	CLS	
27:34		104.39	104.39		1.006			
27:48		425.82	425.82		1.015			
28:00		32.69	32.69		1.022			
28:14		552.53	552.53		1.030			
28:34		392.04			1.043			
28:43		118.83	118.83		1.048			
28:53		855.86	855.86		1.054			

328 11 Peaks 2,826.13

13C12-TCDD 0.65-0.89 0.927-1.073

RT	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
26:17	0.63	11.15	4.85	7.71	0.959			
27:14	0.82	2,568.72	1,157.09	1,411.63	0.994	13C12-1234-TCDD	RS1	
27:24	0.79	2,395.21	1,056.69	1,338.52	1.000	13C12-2378-TCDD	IS1	
		701.17	307.89	393.28				
28:33	0.44	2.25	0.98	2.24	1.042			

332-334 4 Peaks 4,977.33

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

RT	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name	ID	Flags
28:29	0.36	8.41			0.932			
28:37	1.52	260.06	156.89	103.17	0.936			
29:00	1.79	6.17	4.32	2.42	0.949			
29:43	1.49	2,540.00	1,520.00	1,020.00	0.972			
29:53	1.53	702.06	424.73	277.33	0.978			
30:12	1.52	1,676.97	1,011.96	665.01	0.988			
30:18	1.49	1,552.66	927.95	624.71	0.991			
30:30	1.53	758.00	458.00	300.00	0.998			
30:34	1.50	861.00	517.00	344.00	1.000	12378-PeCDF	AN	
30:44	1.54	493.20	298.81	194.39	1.005			
30:51	1.51	990.49	596.01	394.48	1.009			
31:14	1.53	1,018.64	615.54	403.10	1.022	23478-PeCDF	AN	
31:23	1.52	1,387.92	837.96	549.96	1.027			
31:42	1.55	180.59	109.77	70.82	1.037			
31:50	1.58	54.54	33.41	21.13	1.041			

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

Found/

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

X	X	31:56	RO	1.83	29.74	21.32	11.67	1.045	J
		32:12		1.58	114.06	69.86	44.22	1.053	
	DC	WH	32:26	1.65	18.15			1.061	
340-342		16 Peaks			12,626.14				

13C12-PeCDF				1.32-1.78			0.869-1.131		
352-354	DC	NL		Height	0.74	0.55	0.19		
			29:26	RO	4.09	2.98	4.79	1.17	0.963
			30:34		1.44	2,840.71	1,676.30	1,164.41	1.000 13C12-PeCDF 123 IS2
				Height	885.91	525.95	359.96		
			30:50	RO	0.42	15.05	9.15	21.80	1.009
			31:14		1.48	2,703.72	1,613.72	1,090.00	1.022 13C12-PeCDF 234 SUR1
			32:11	RO	0.78	26.47	16.09	20.57	1.053
352-354		5 Peaks			5,588.93				

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

PeCDD				1.32-1.78			0.940-1.021		
356-358	DC	NL		Height	0.77	0.46	0.31		
			29:50		1.58	8,013.57	4,911.06	3,102.51	0.946
			30:18		1.51	308.94	185.74	123.20	0.960
			30:31		1.55	3,439.21	2,089.34	1,349.87	0.967
			30:40		1.35	313.41	180.31	133.10	0.972
			30:51		1.54	2,285.30	1,385.59	899.71	0.978
			31:05		1.50	655.90	393.31	262.59	0.985
			31:17		1.55	1,670.95	1,016.70	654.25	0.992
			31:25	RO	0.99	449.43	273.18	275.47	0.996
M			31:34	RO	1.04	227.03	138.00	133.00	1.001 12378-PeCDD AN
			31:42	RO	1.19	203.82	95.44	79.93	1.005
			32:02	RO	0.99	152.33	92.59	93.30	1.015
356-358		11 Peaks			17,719.89				

13C12-PeCDD				1.32-1.78			0.873-1.127		
368-370	DC	NL		Height	0.30	0.21	0.09		
			30:31		1.72	3.76	2.38	1.38	0.967
			30:50	RO	0.50	2.27	1.38	2.74	0.977
			31:33		1.48	1,770.00	1,056.57	713.43	1.000 13C12-PeCDD 123 IS3
				Height	585.95	351.03	234.92		
			32:16	RO	0.87	7.29	4.43	5.07	1.023
368-370		4 Peaks			1,783.32				

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

HxCDF				1.05-1.43			0.964-1.045		
374-376	DC	NL		Height	2.76	1.22	1.54		
			33:00		1.25	157.36	87.49	69.87	0.970
			33:08		1.27	635.76	355.58	280.18	0.974
			33:18		1.27	42.58	23.79	18.79	0.978
			33:25		1.25	124.07	69.03	55.04	0.982
			33:34		1.27	133.80	74.76	59.04	0.986
			33:56		1.24	1,083.11	599.50	483.61	0.997 123478-HxCDF AN
			34:03		1.24	361.90	200.31	161.59	1.000 123678-HxCDF AN

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Page No. 4 Listing of S020235B.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.

			34:10	1.15	56.64	30.25	26.39	1.004		
			34:20	1.28	220.07	123.40	96.67	1.009		
			34:32	1.25	613.35	341.02	272.33	1.015	234678-HxCDF	AN
			35:02	RO 0.25	10.68	5.91	23.34	1.029		J
			35:19	1.38	77.78	45.10	32.68	1.038	123789-HxCDF	AN
			35:25	1.25	120.71	67.16	53.55	1.041		
	DC	WH	35:50	1.25	17.92			1.053		
374-376			13 Peaks		3,637.81					
13C12-HxCDF			0.43-0.59				0.882-1.118			
384-386	DC	NL	Height	2.26	1.20	1.06				
			33:57	0.49	1,295.11	427.34	857.77	0.998	13C12-HxCDF 478	SUR2
			34:02	0.50	1,549.88	517.85	1,032.03	1.000	13C12-HxCDF 678	IS4
			Height	505.43	167.05	338.38				
			34:32	0.50	2,363.55	787.77	1,575.78	1.015	13C12-HxCDF 234	ALT2
			35:20	0.49	1,915.82	631.46	1,284.36	1.038	13C12-HxCDF 789	ALT1
384-386			4 Peaks		7,124.36					

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

HxCDD			1.05-1.43			0.958-1.012				
390-392	DC	NL	Height	4.01	1.47	2.54				
			33:28	1.19	754.35	410.45	343.90	0.964		
			33:54	1.22	6,448.81	3,543.20	2,905.61	0.976		
			34:07	1.19	1,139.02	620.08	518.94	0.982		
			34:17	1.23	172.04	95.02	77.02	0.987		
			34:39	1.17	133.80	72.12	61.68	0.998	123478-HxCDD	AN
			34:44	1.14	245.72	130.91	114.81	1.000	123678-HxCDD	AN
			35:03	1.08	403.66	209.83	193.83	1.009	123789-HxCDD	AN
90-392			7 Peaks		9,297.40					
13C12-HxCDD			1.05-1.43			0.971-1.029				
402-404	DC	NL	Height	1.37	0.89	0.48				
	DC	WL	33:22	RO 1.87	4.26		0.961			
	DC	WL	33:40	RO 0.69	6.41		0.969			
			33:50	RO 0.89	13.28	7.35	8.25	0.974		
			34:07	RO 0.93	232.53	128.72	138.17	0.982		
			34:12	1.07	29.16	15.06	14.10	0.985		
			34:18	RO 0.79	4.46	2.47	3.11	0.988		
	DC	SN	34:25	1.11	5.02		0.991			
			34:39	1.21	1,593.95	873.31	720.64	0.998	13C12-HxCDD 478	SUR3
			34:44	1.19	1,758.70	957.30	801.40	1.000	13C12-HxCDD 678	IS5
			Height	574.86	311.08	263.78				
			35:03	RO 1.00	4,245.54	1,899.93	1,895.33	1.009	13C12-HxCDD 789	RS2
			35:15	RO 0.86	10.82	5.99	6.98	1.015		
402-404			8 Peaks		7,888.44					

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

HpCDF			0.88-1.20			0.995-1.047				
408-410	DC	NL	Height	37.12	36.48	0.64				
			37:00	1.11	736.51	387.02	349.49	1.000	1234678-HpCDF	AN

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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.Pk1 Area/Ht.Pk2 Rel.RT Compound.Name.. ID.. Flags.

K	37:16	1.09	158.42	82.53	75.89	1.007		
	37:25	1.09	345.40	180.18	165.22	1.011		
K	38:35	0.96	158.67	77.72	80.95	1.043	1234789-HpCDF	AN
408-410	4 Peaks		1,399.00					
13C12-HpCDF	0.37-0.51				0.946-1.108			
418-420	DC NL	Height	2.16	1.29	0.87			
	37:00	0.42	809.13	240.49	568.64	1.000	13C12-HpCDF 678 IS6	
	Height		223.22	65.96	157.26			
DC SN	37:14 RO	1.73	2.10		1.006			
	38:34	0.43	1,347.93	402.92	945.01	1.042	13C12-HpCDF 789 SUR4	
418-420	2 Peaks		2,157.06					

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

HpCDD	0.88-1.20				0.975-1.005			
424-426	DC NL	Height	2.15	0.75	1.40			
	37:17	0.99	1,392.55	691.45	701.10	0.980		
	38:04	1.02	1,126.20	569.95	556.25	1.000	1234678-HpCDD	AN
424-426	2 Peaks		2,518.75					
13C12-HpCDD	0.88-1.20				0.974-1.026			
436-438	DC NL	Height	2.03	1.21	0.82			
	38:03	1.01	1,625.31	818.38	806.93	1.000	13C12-HpCDD 678 IS7	
	Height		427.17	215.25	211.92			
436-438	1 Peak		1,625.31					

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

CDF	0.76-1.02				0.904-1.096			
42-444	DC NL	Height	8.83	7.64	1.19			
	DC WL	36:08 RO	5.72	28.48		0.864		
	DC WL	36:18 RO	6.29	7.77		0.868		
	DC WL	36:42 RO	7.36	27.10		0.878		
	DC WL	36:57 RO	9.46	32.73		0.884		
	DC WL	37:10 RO	6.96	31.17		0.889		
	DC WL	37:21 RO	6.77	32.34		0.893		
	DC WL	37:26 RO	6.59	10.77		0.895		
	DC SN	39:15 RO	7.62	7.90		0.939		
N	42:01	0.89	518.34	244.06	274.28	1.005	OCDF	AN
442-444	1 Peak		518.34					
OCDD	0.76-1.02				0.904-1.096			
458-460	DC NL	Height	1.03	0.36	0.67			
N	41:49	0.85	3,376.87	1,546.73	1,830.14	1.000	OCDD	AN
458-460	1 Peak		3,376.87					
13C12-OCDD	0.76-1.02				0.996-1.004			
470-472	DC NL	Height	1.30	0.87	0.43			
	DC WL	41:37 RO	1.13	6.63		0.995		
	41:49	0.86	2,489.88	1,149.96	1,339.92	1.000	13C12-OCDD	IS8
	Height		520.66	240.13	280.53			

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

Compound/

M_Z	QC	Log	Omit	Why	..RT	OK	Ratio	Total Area/Ht	Area/Ht	Peak1	Area/Ht	Peak2	Rel. RT	Compound Name	ID	Flags
472					DC	WH	42:13	RO	1.41		23.56		1.010			
										1 Peak						
											2,489.88					

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

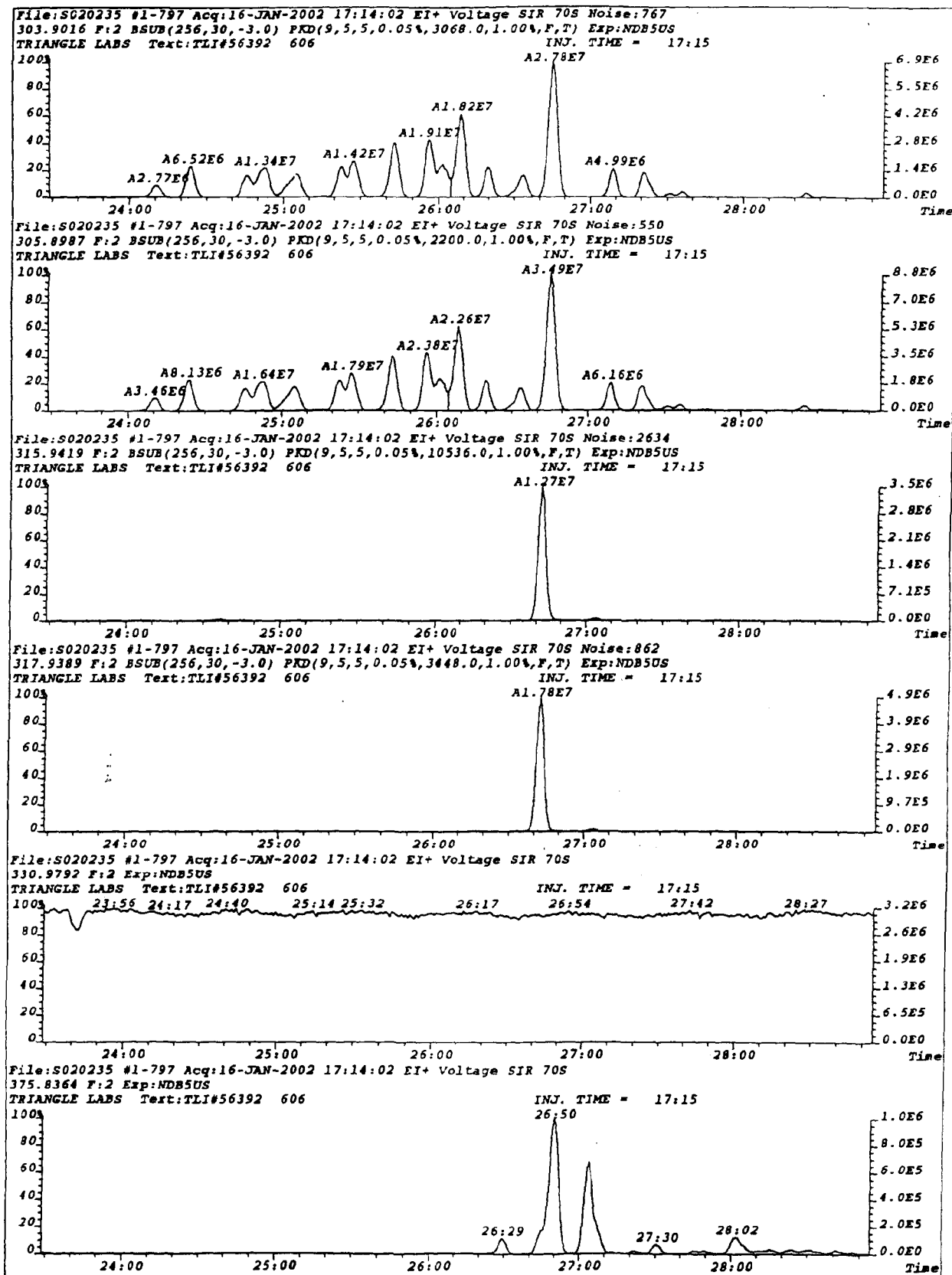
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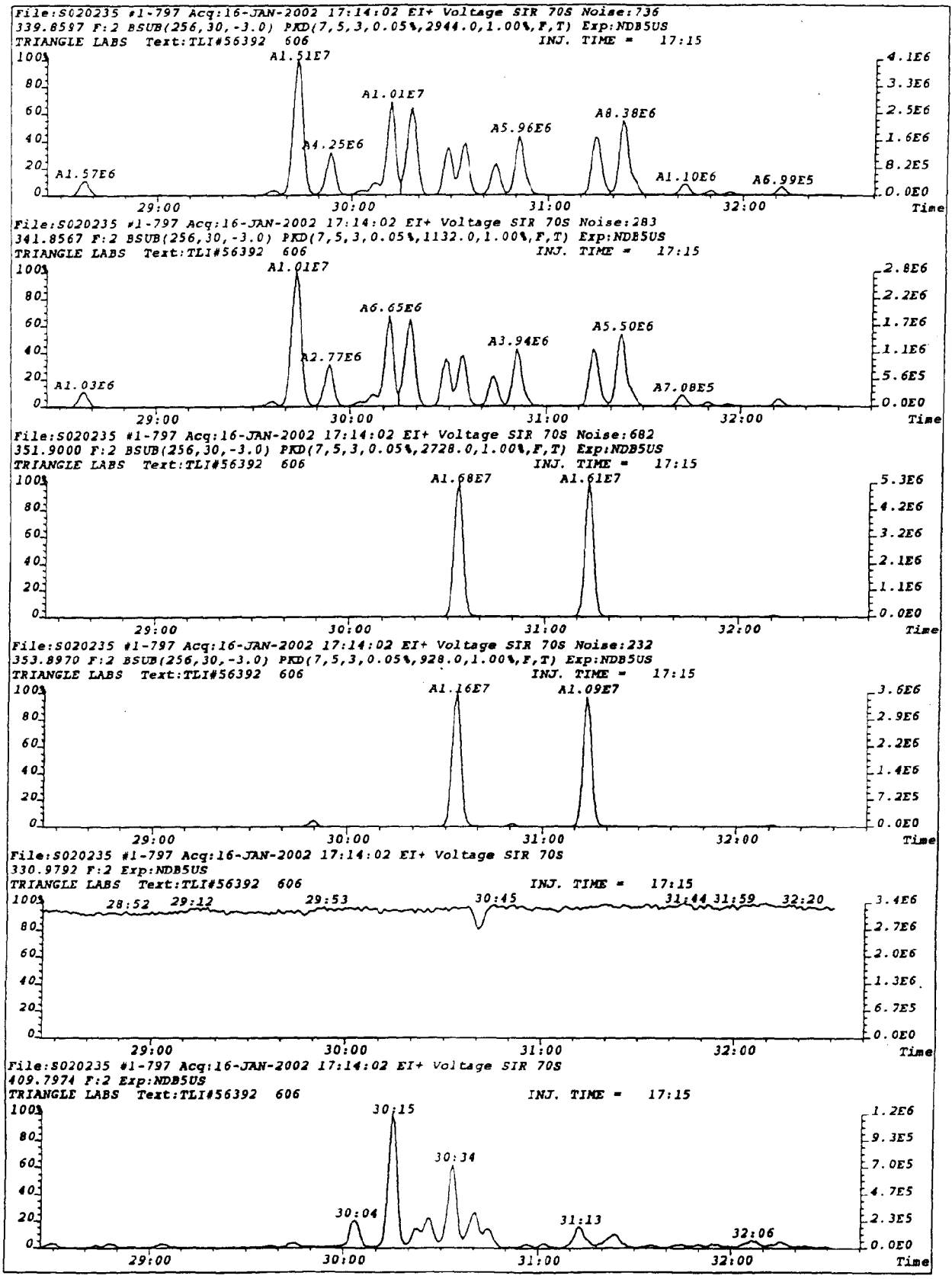
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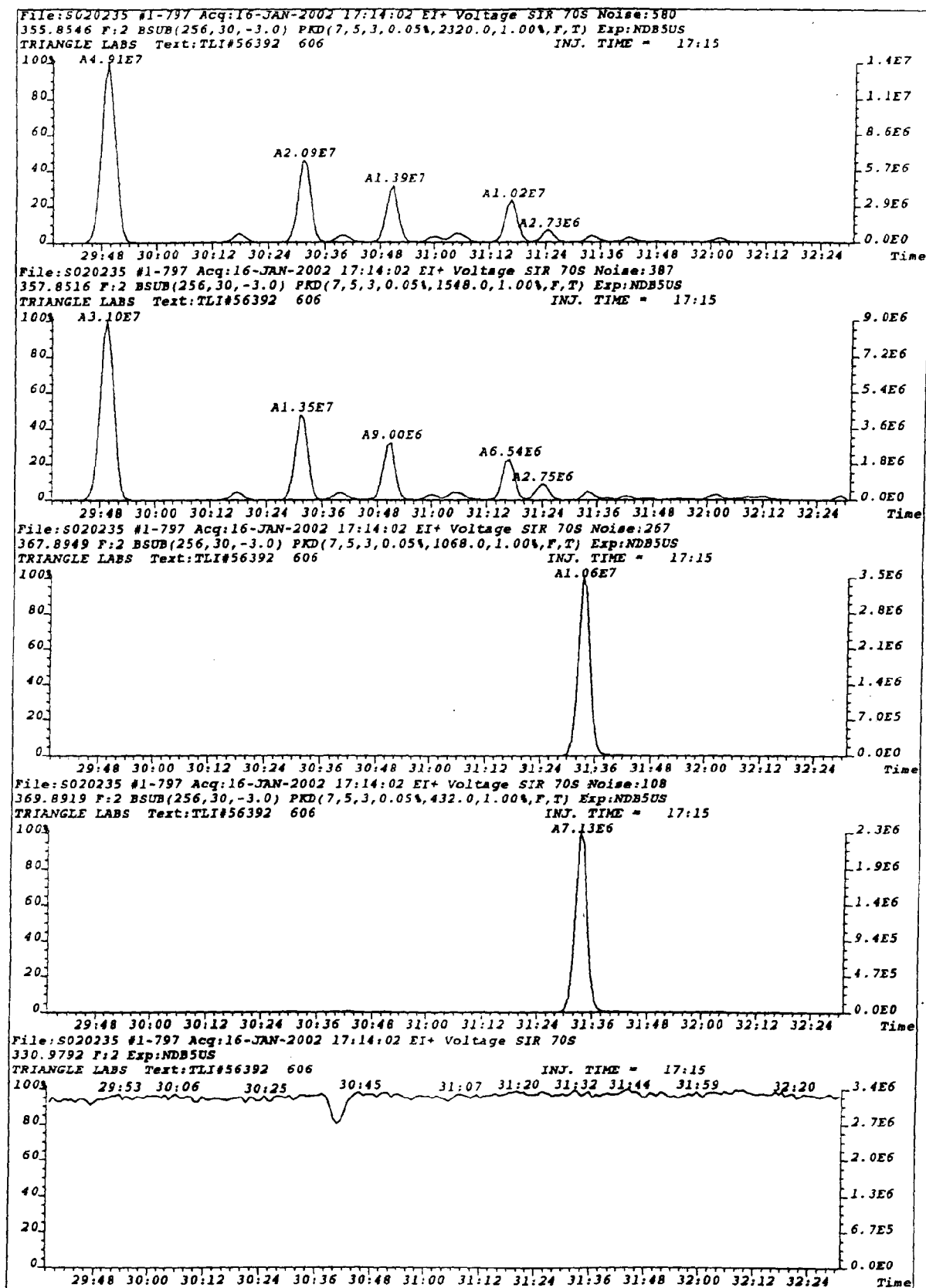
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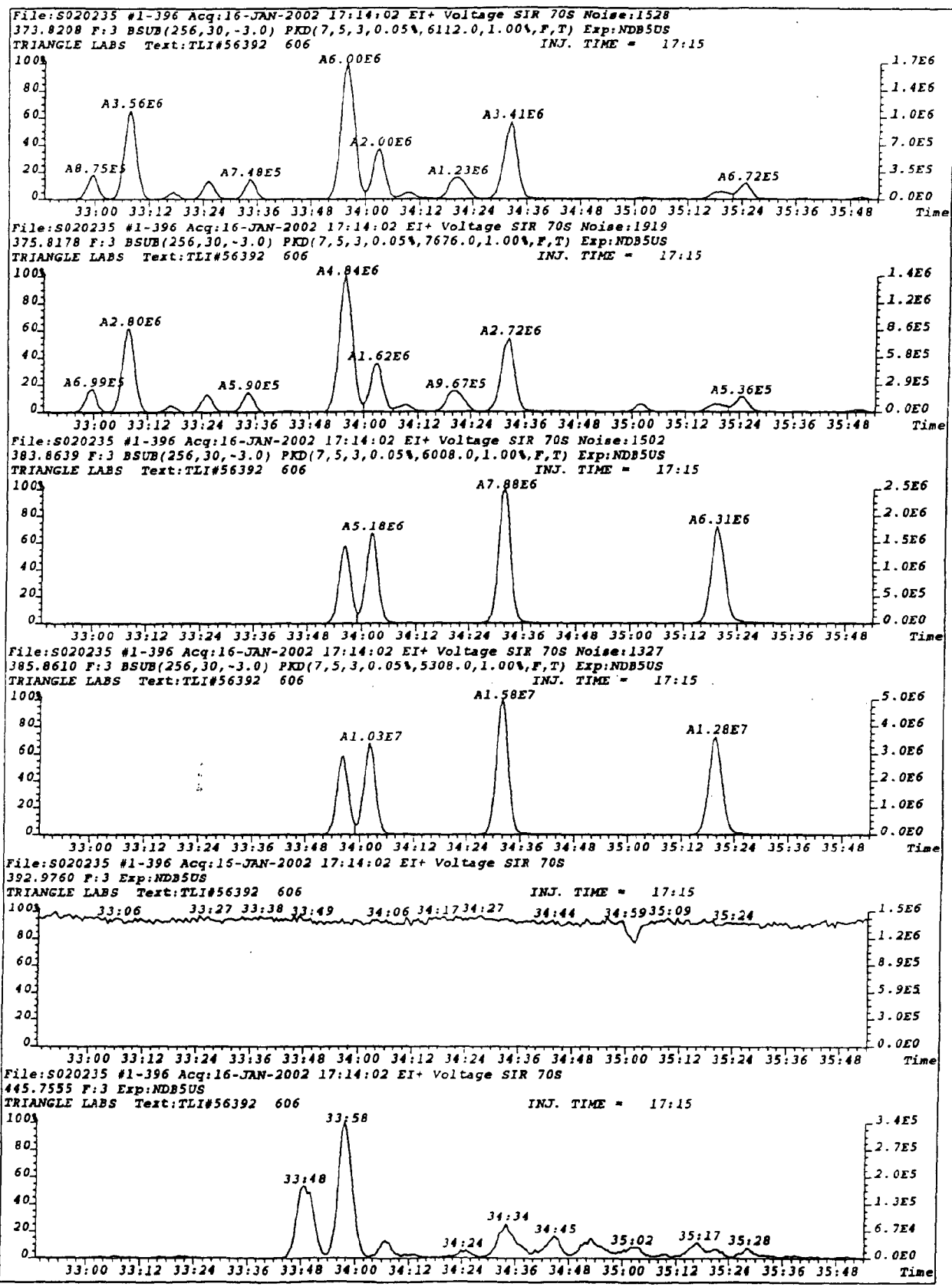
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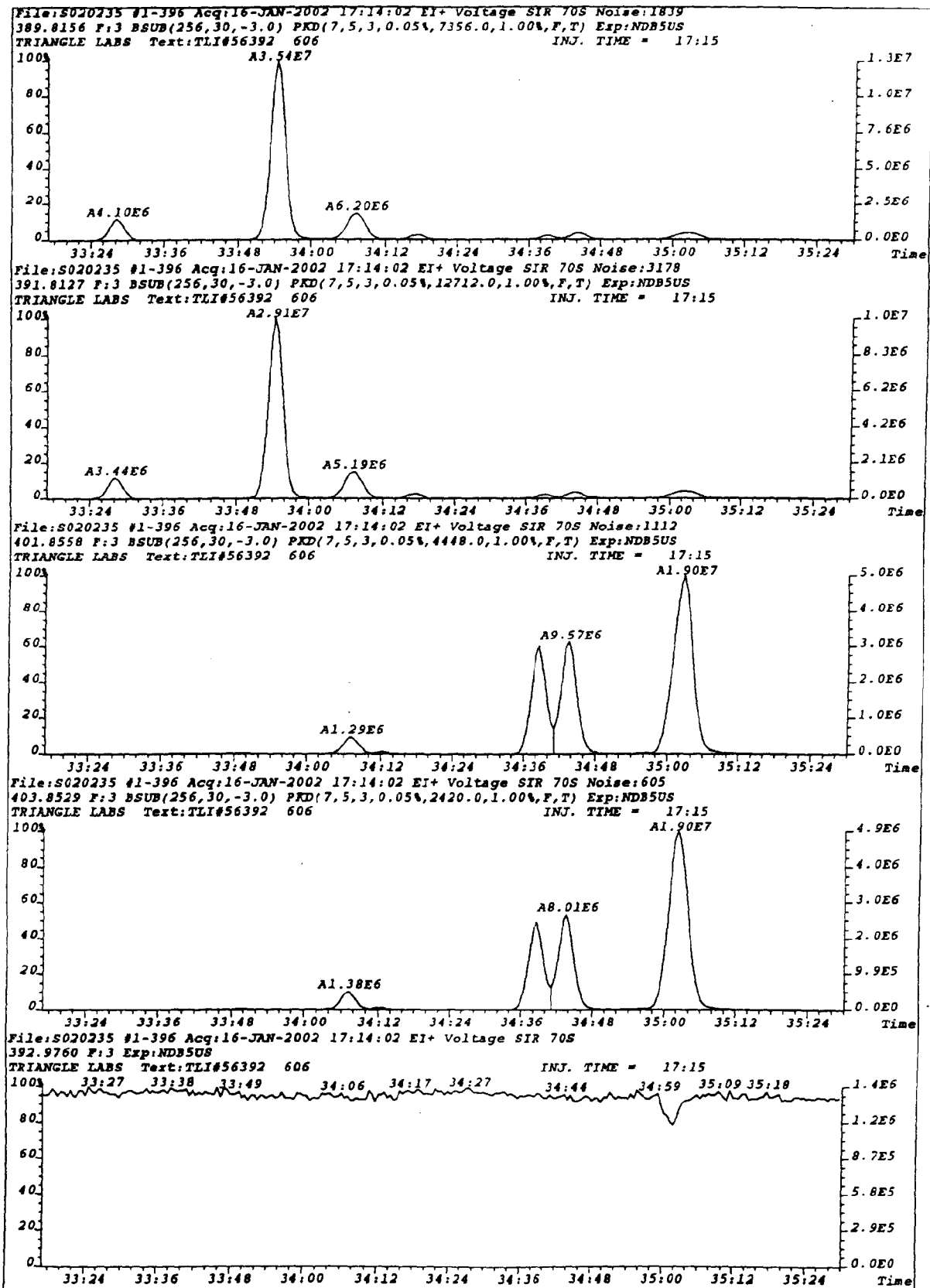
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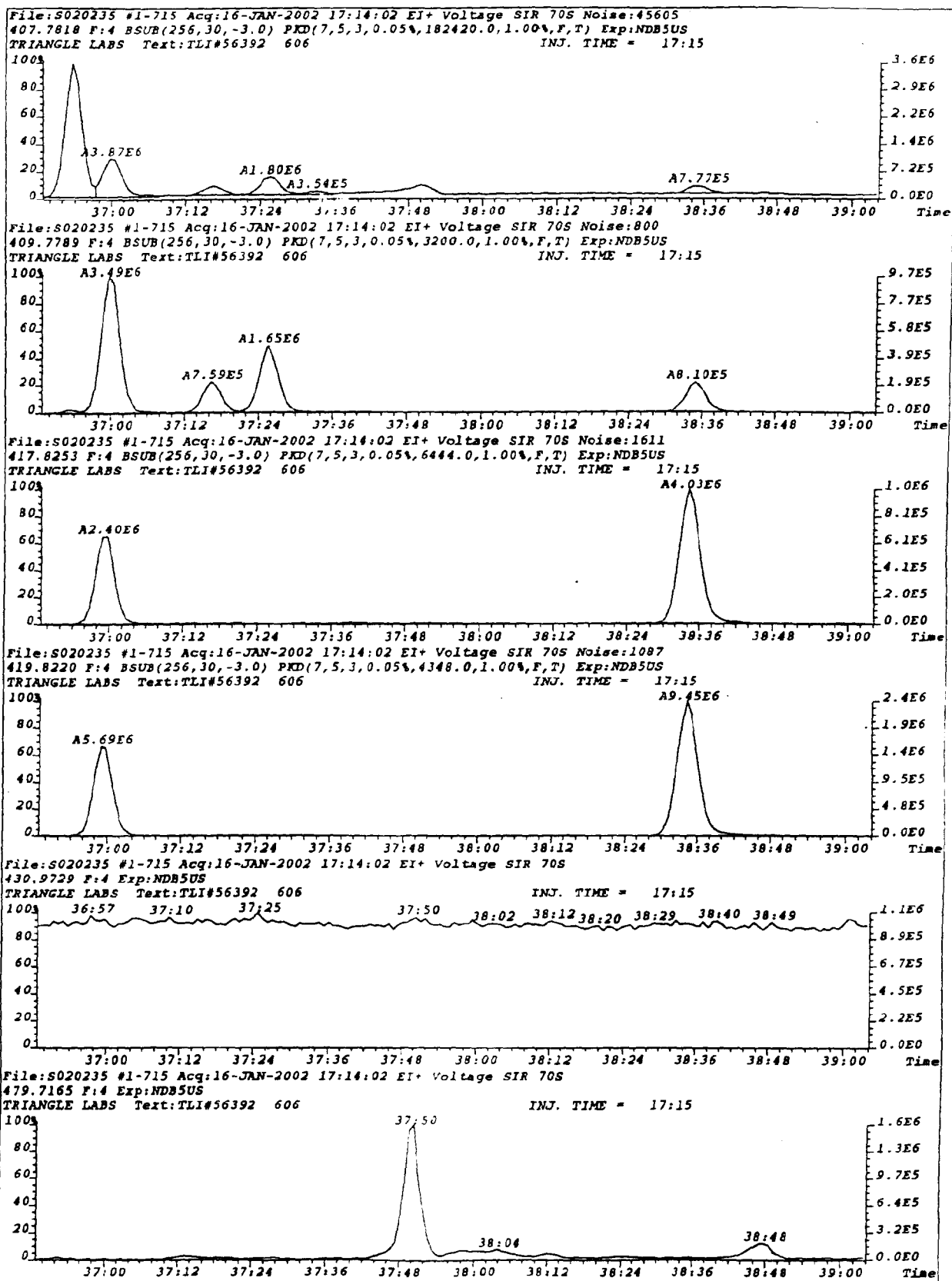


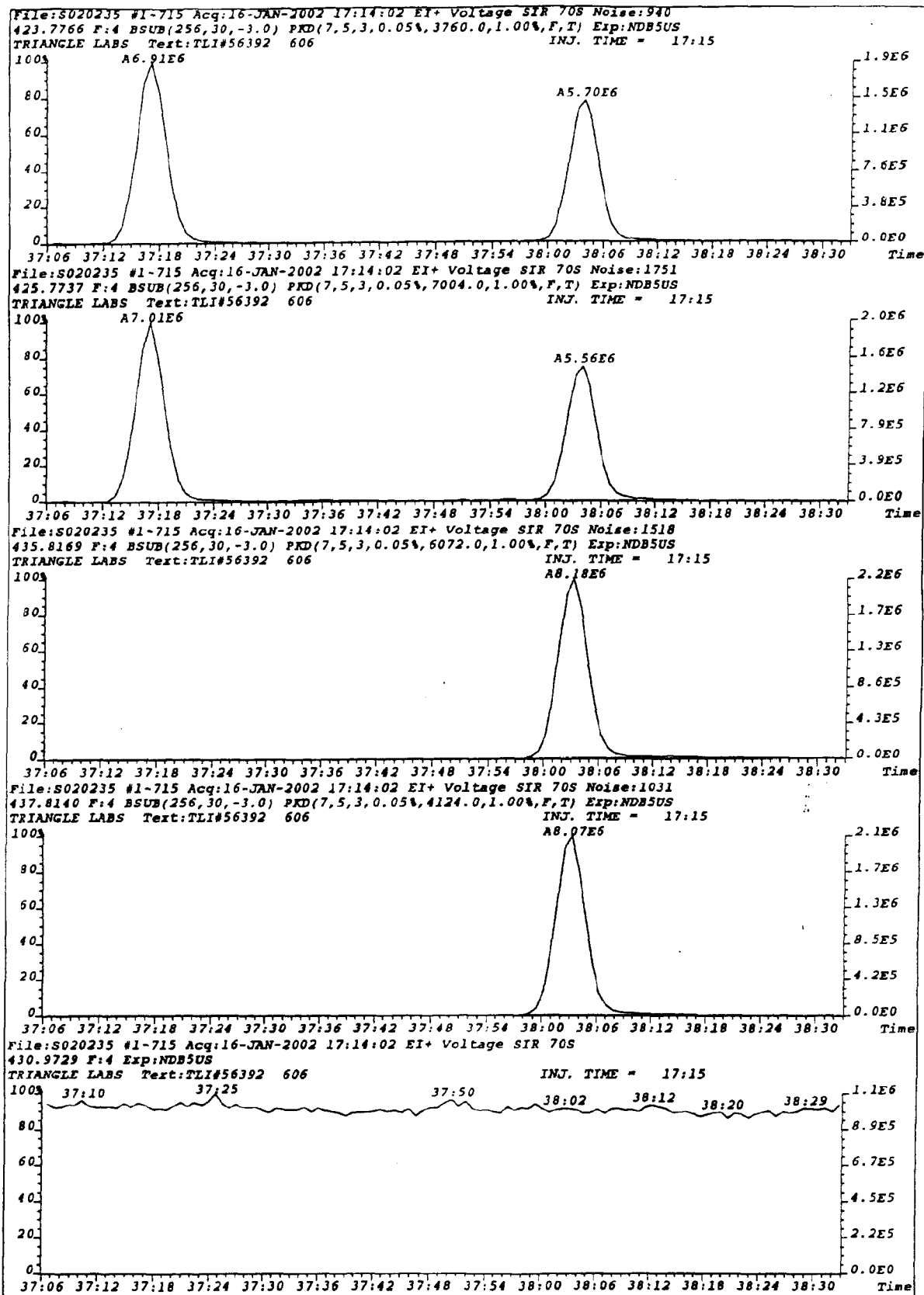


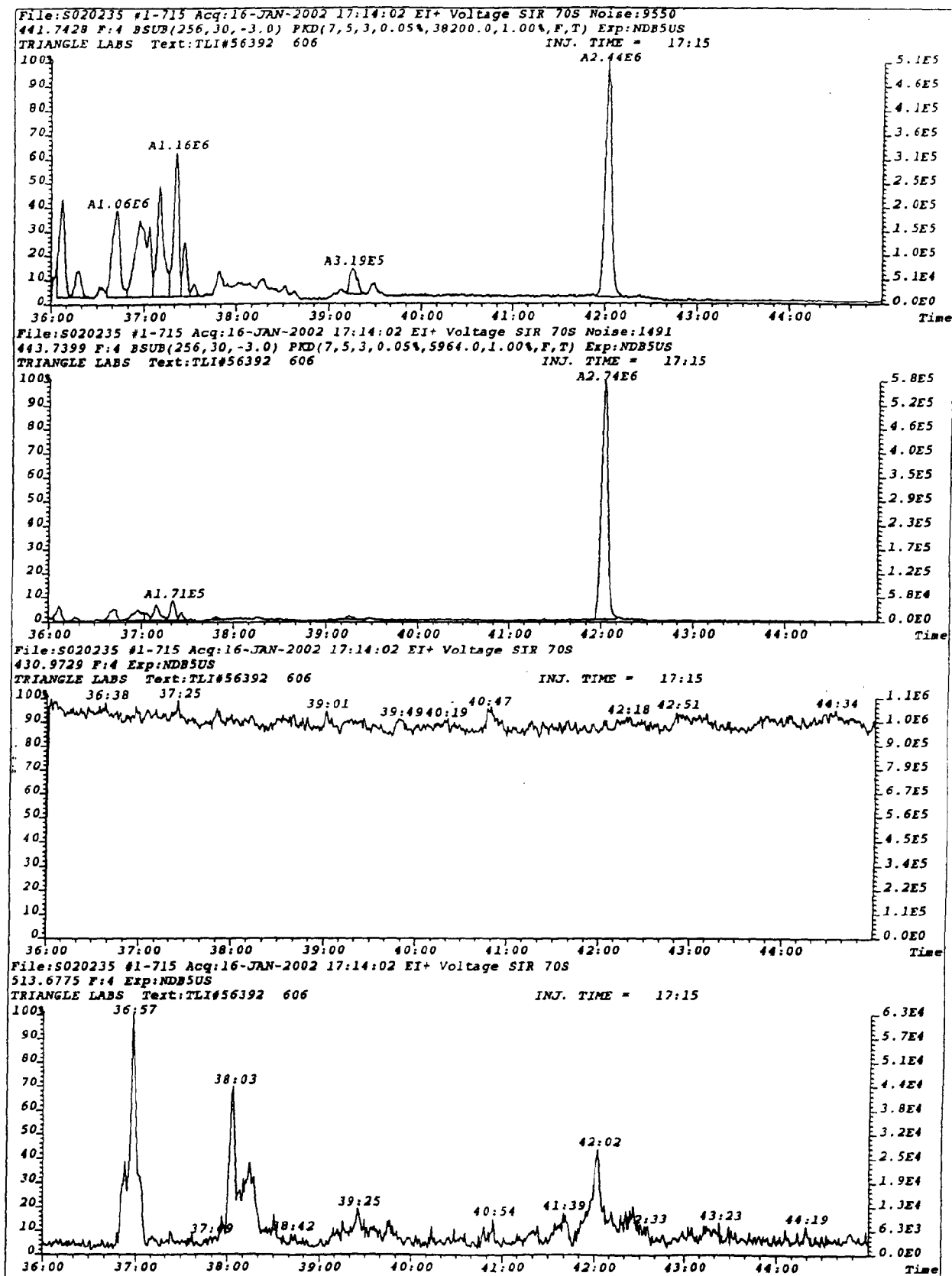


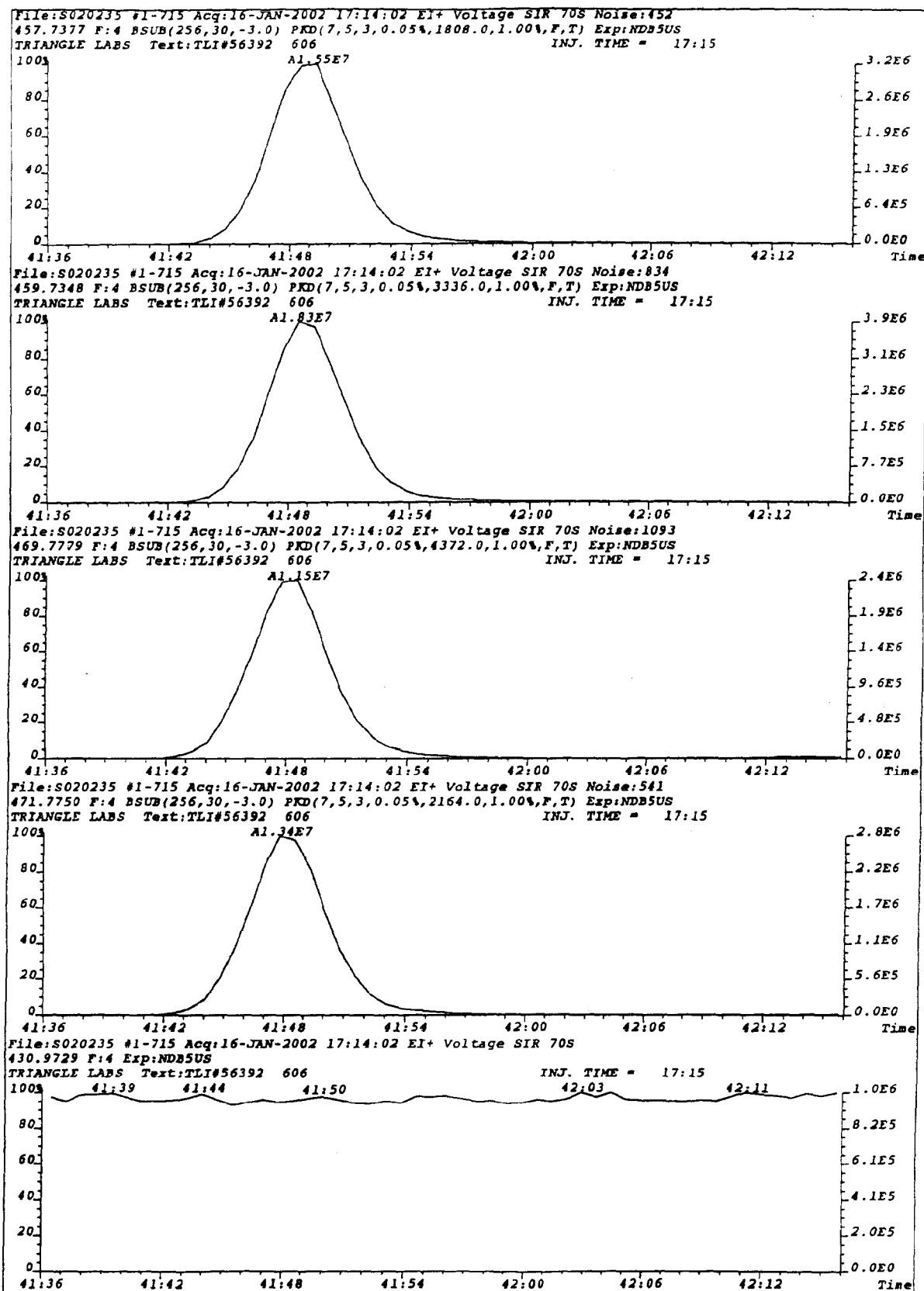


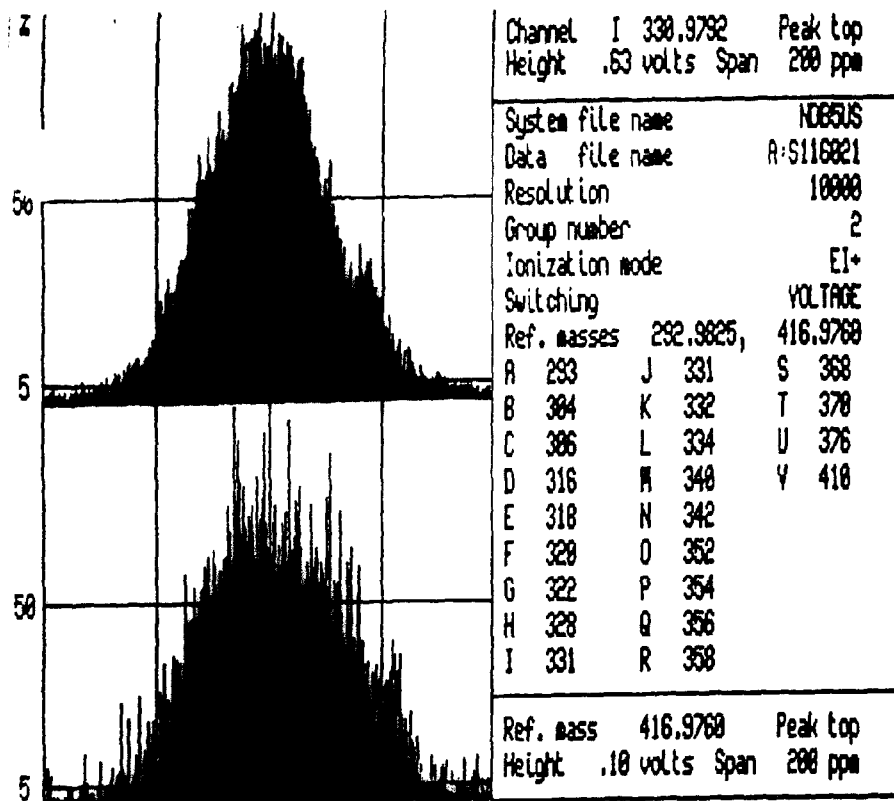










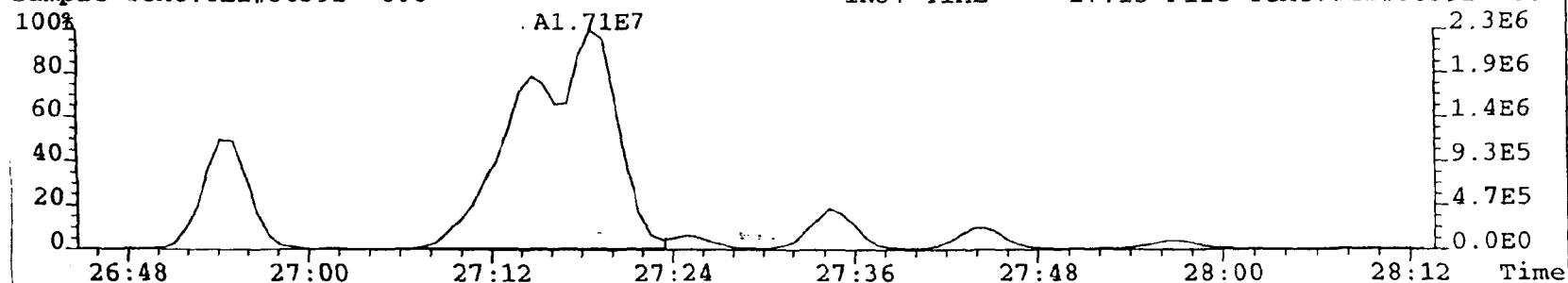


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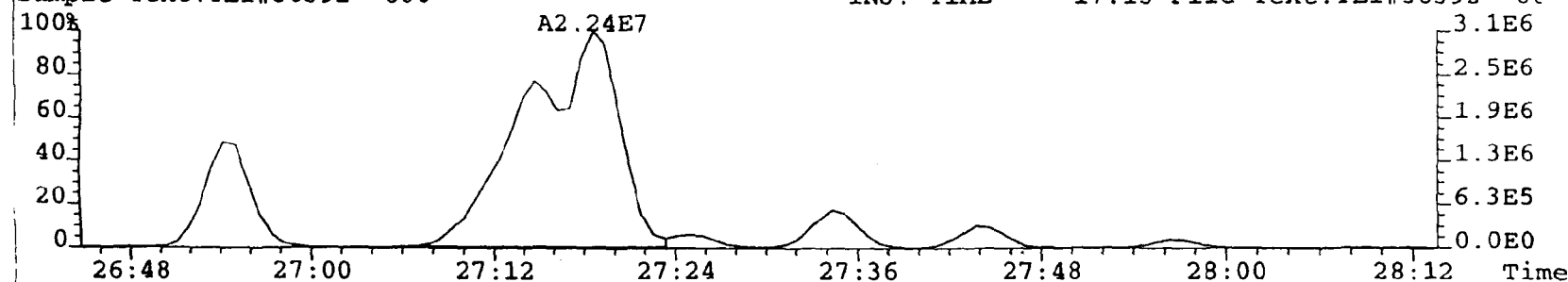


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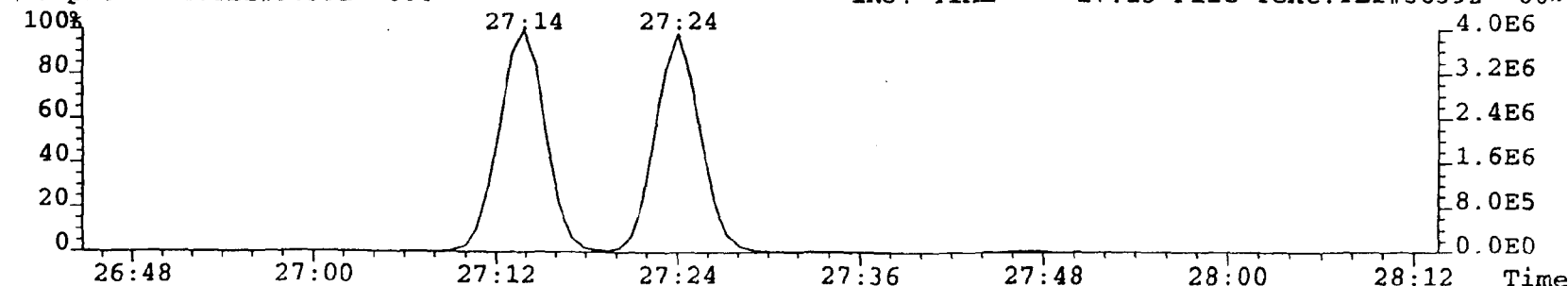


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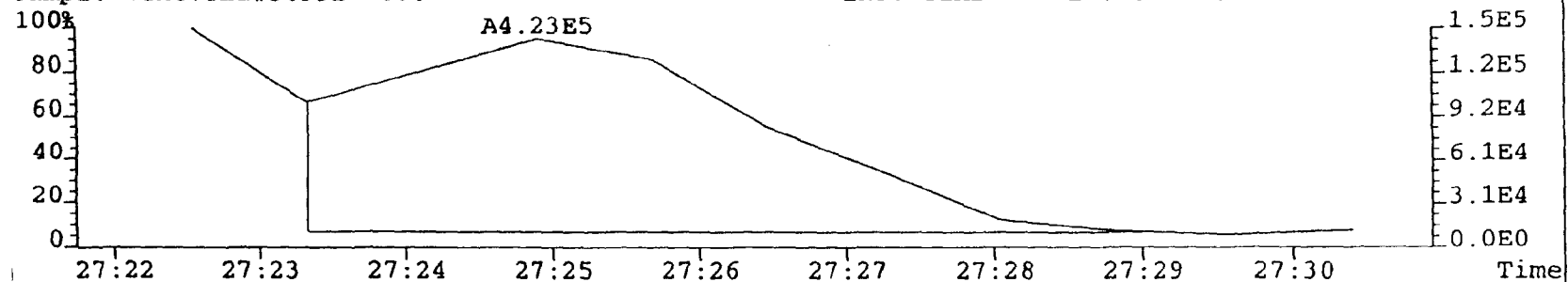
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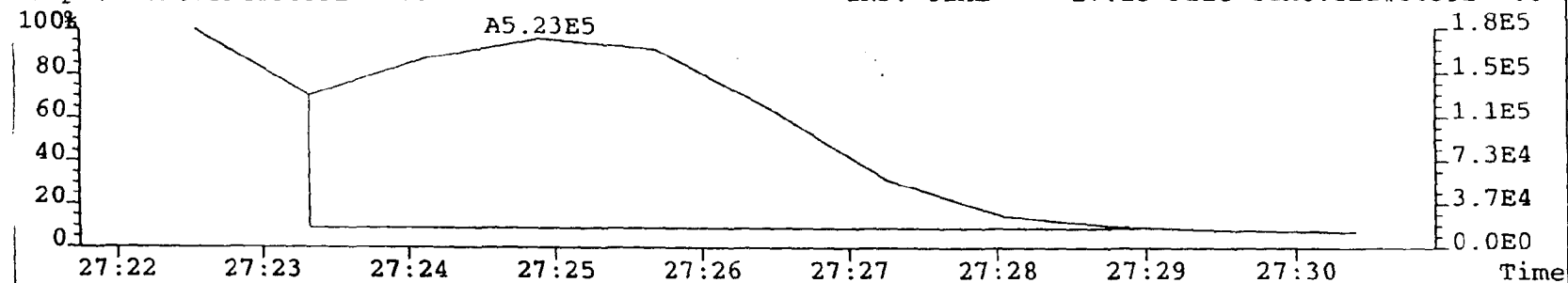


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