NYC 9/11 Public Portal Document

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/07/2001 Time: 15:15:16

Sample: AD26319
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/7/01 14:57 Ended: 12/7/01 14:57 Analyst: DLV
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		.

NYC-WTC_000031297

Comments for Sample AD26319 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 15:15:07

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for bis(2-Ethylhexyl)phthalate at an estimated level of 0.26 ug/L, and a group of siloxane compounds, all of which are probably due to laboratory contamination.

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 15:06 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.87	152	1008535	20.00	ng/uL	-0.07
19) Naphthalene-d8	15.48	136	3735013	20.00	ng/uL	-0.07
31) Acenaphthene-d10	20.75	164	1684867	20.00	ng/uL	-0.07
49) Phenanthrene-d10	25.16	188	2354953m	20.00	ng/uL	-0.08
59) Chrysene-d12	33.17	240	1447812	20.00	ng/uL	-0.08
68) Perylene-d12	37.25	264	993984	20.00	ng/uL	-0.09

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount 75.000	Range 18 - 42		Recovery = 0.00%#			
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 75.000	Range 19 - 32		Recovery = 0.00%#			
6) 2-Chlorophenol-d4	11.88	132	324	0.00	ng/uL	0.45
Spiked Amount 75.000	Range 34 - 84		Recovery = 0.00%#			
7) 1,2-Dichlorobenzene-d4	12.02	152	3219	0.08	ng/uL	-0.44
Spiked Amount 50.000	Range 26 - 73		Recovery = 0.16%#			
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery = 0.00%#			
32) 2-Fluorobiphenyl	18.90	172	1891	0.02	ng/uL	0.07
Spiked Amount 50.000	Range 42 - 78		Recovery = 0.04%#			
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 75.000	Range 45 - 96		Recovery = 0.00%#			
62) Terphenyl-d14	0.00	244	0	0.00	ng/uL	
Spiked Amount 50.000	Range 58 - 98		Recovery = 0.00%#			

Target Compounds				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-nitrosodimethylamine	0.00	74	0	N.D.
8) Phenol	0.00	94	0	N.D.
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.
14) 2-Methylphenol	0.00	108	0	N.D.
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.
16) 3&4-Methylphenol	0.00	108	0	N.D.
17) N-Nitrosodi-n-propylamine	13.19	70	288	N.D.
18) Hexachloroethane	0.00	117	0	N.D.
21) Nitrobenzene	0.00	77	0	N.D.
22) Isophorone	0.00	82	0	N.D.

(#) = qualifier out of range (m) = manual integration

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 15:06 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23)	2-Nitrophenol	0.00	139	0	N.D.	
24)	2,4-Dimethylphenol	0.00	107	0	N.D.	
25)	bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26)	2,4-Dichlorophenol	0.00	162	0	N.D.	
27)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28)	Naphthalene	15.54	128	923	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37)	2-Chloronaphthalene	0.00	162	0	N.D.	
38)	Dimethylphthalate	0.00	163	0	N.D.	
39)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d
40)	Acenaphthylene	0.00	152	0	N.D.	
41)	Acenaphthene	0.00	153	0	N.D.	
42)	2,4-Dinitrophenol	0.00	184	0	N.D.	
43)	4-Nitrophenol	0.00	65	0	N.D.	d
44)	2,4-Dinitrotoluene	21.19	165	342	N.D.	
45)	Diethylphthalate	22.36	149	315	N.D.	
46)	4-Chlorophenylphenylether	0.00	204	0	N.D.	
47)	Fluorene	0.00	166	0	N.D.	
48)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	
52)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53)	Hexachlorobenzene	0.00	284	0	N.D.	
54)	Pentachlorophenol	0.00	266	0	N.D.	
55)	Phenanthrene	0.00	178	0	N.D.	
56)	Anthracene	0.00	178	0	N.D.	
57)	Di-n-butylphthalate	27.15	149	45683	0.26 ng/uL	— contam
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	31.86	149	2181	N.D.	
65)	Benzo(a)anthracene	33.17	228	2635	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.44	149	7992 <	N.D.	0.27 in blank 37K conts
67)	Chrysene	33.17	228	2635	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

(#) = qualifier out of range (m) = manual integration

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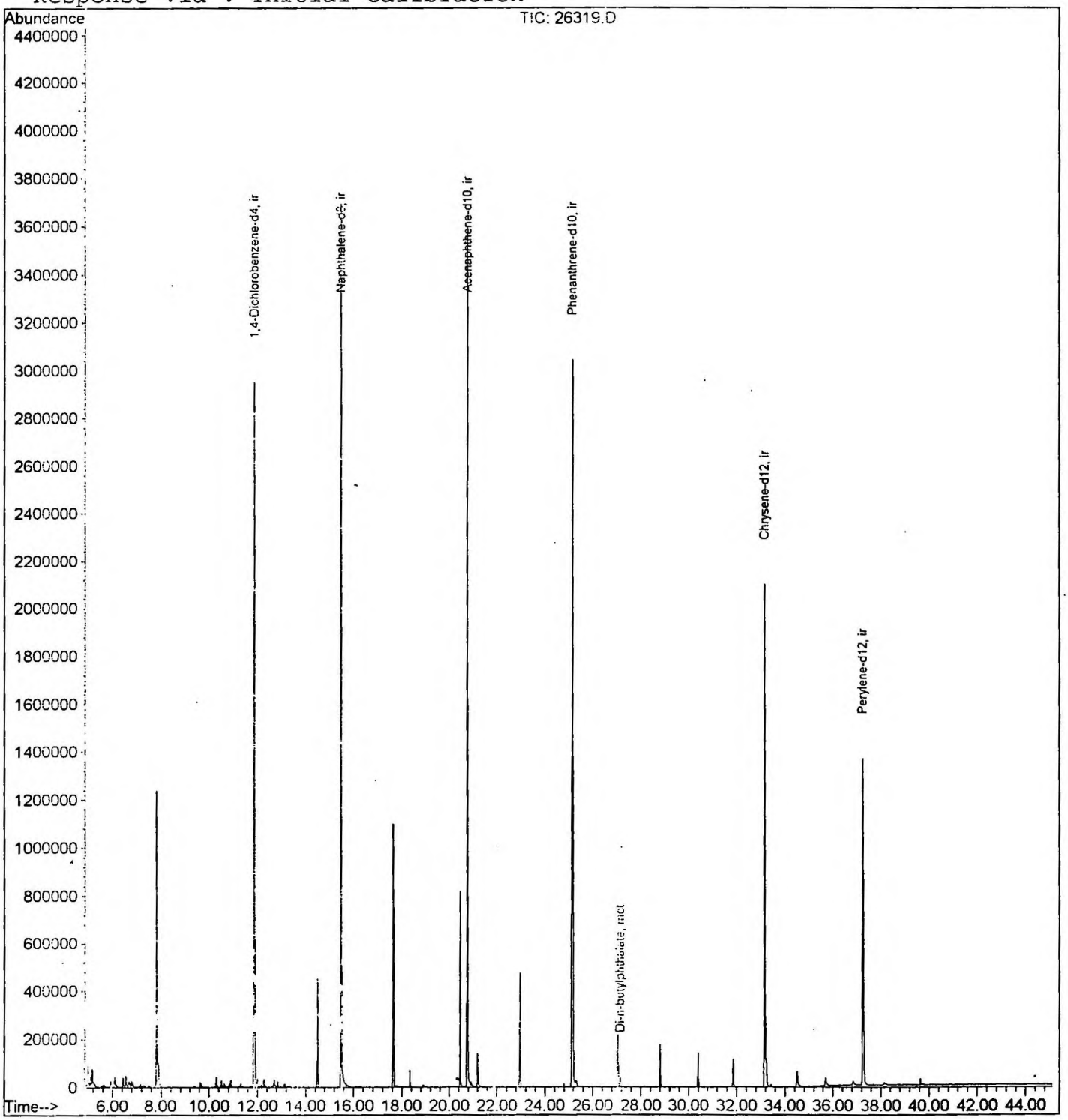
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 15:06 2001 Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration



NYC-WTC_000031301

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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.981	10	15	24	rBV2	78194	164351	2.17%	0.344%
2	5.101	26	28	32	rVV	49044	80804	1.07%	0.169%
3	5.165	32	35	46	rVB	67593	156251	2.06%	0.327%
4	6.100	133	137	143	rBV	41716	88479	1.17%	0.185%
5	6.449	170	175	183	rBV	39986	86851	1.15%	0.182%
6	6.559	183	187	197	rBV	45112	97243	1.28%	0.203%
7	7.824	321	325	342	rBV	1236047	2569227	33.93%	5.373%
8	10.300	591	595	607	rBV	43155	88906	1.17%	0.186%
9	11.868	761	766	776	rBV	2947067	6153718	81.26%	12.870%
10	12.703	848	857	861	rBV	32090	76671	1.01%	0.160%
11	14.500	1048	1053	1059	rVB	449205	822946	10.87%	1.721%
12	15.481	1154	1160	1178	rBV	3691329	7573101	100.00%	15.838%
13	17.645	1389	1396	1405	rBV	1095559	2129464	28.12%	4.453%
14	18.342	1467	1472	1477	rBV	71690	135688	1.79%	0.284%
15	20.460	1698	1703	1709	rBV	815939	1560598	20.61%	3.264%
16	20.754	1729	1735	1750	rBV	3598826	7406220	97.80%	15.489%
17	21.194	1777	1783	1788	rBV	139373	293145	3.87%	0.613%
18	22.973	1971	1977	1982	rBV	474783	963920	12.73%	2.016%
19	25.165	2207	2216	2227	rBV2	3041174	7238936	95.46%	15.138%
20	27.054	2416	2422	2429	rBV	216620	420613	5.55%	0.880%
21	28.814	2609	2614	2620	rVB	174883	339844	4.49%	0.711%
22	30.401	2782	2787	2792	rBV	140573	283443	3.74%	0.593%
23	31.859	2940	2946	2957	rBV	115042	262415	3.47%	0.549%
24	33.170	3082	3089	3110	rBV2	2099852	4872797	64.34%	10.191%
25	34.509	3228	3235	3251	rBV	64255	199475	2.63%	0.417%
26	35.701	3360	3365	3376	rBV	33858	121617	1.61%	0.254%
27	37.251	3527	3534	3546	rBV2	1359955	3638955	48.05%	7.610%

Sum of corrected areas: 47815678

26319.D NP112701.M Wed Dec 05 15:07:27 2001

NYC-WTC_000031302

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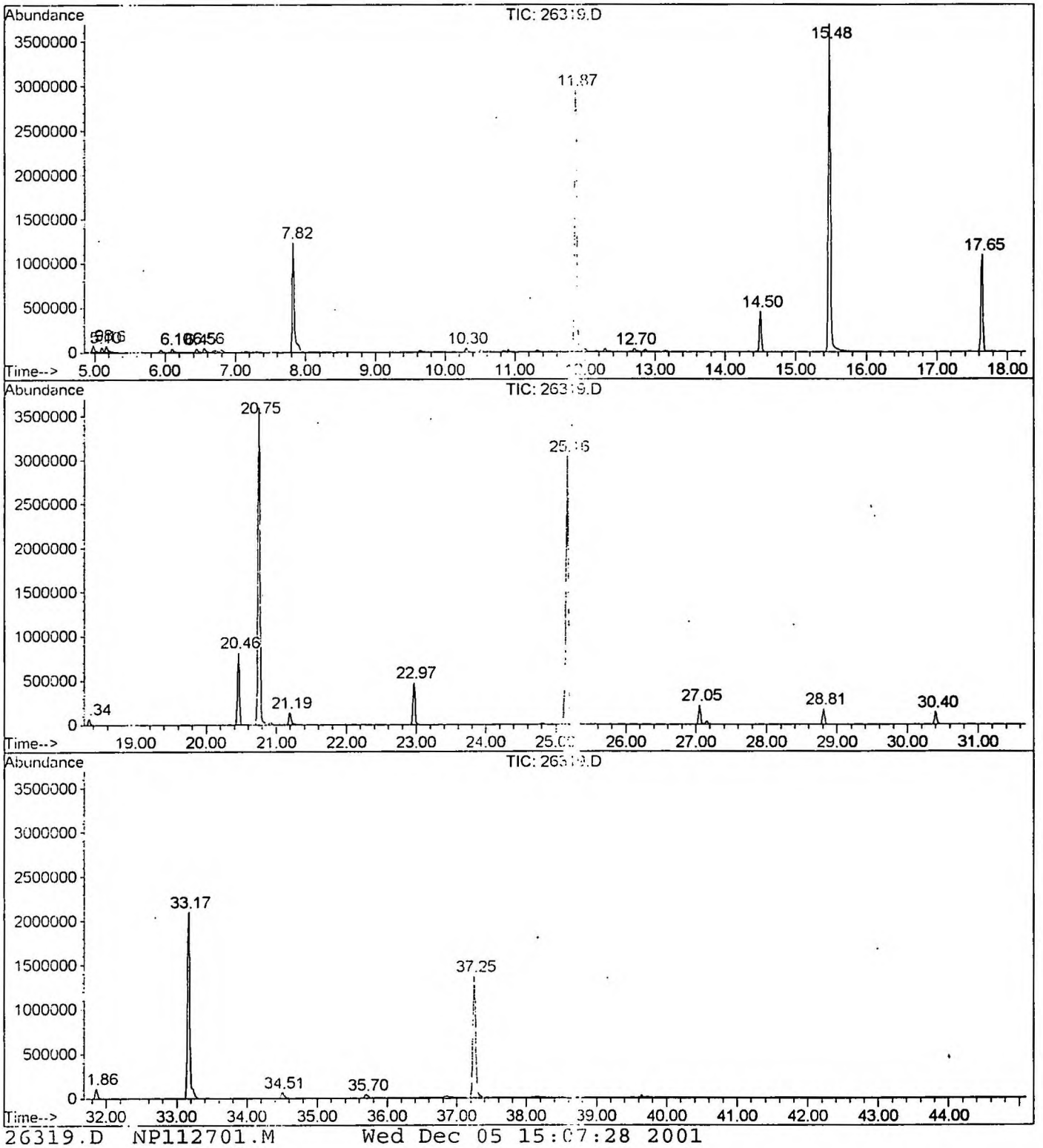
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0501\26319.D
Operator : GALOS
Acquired : 5 Dec 2001 2:13 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/3
Misc Info :
Vial Number: 7
Quant File :NP112701.RES (RTE Integrator)



26319.D NP112701.M Wed Dec 05 15:07:28 2001

NYC-WTC_000031303

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D
Acq On : 5 Dec 2001 2:13 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

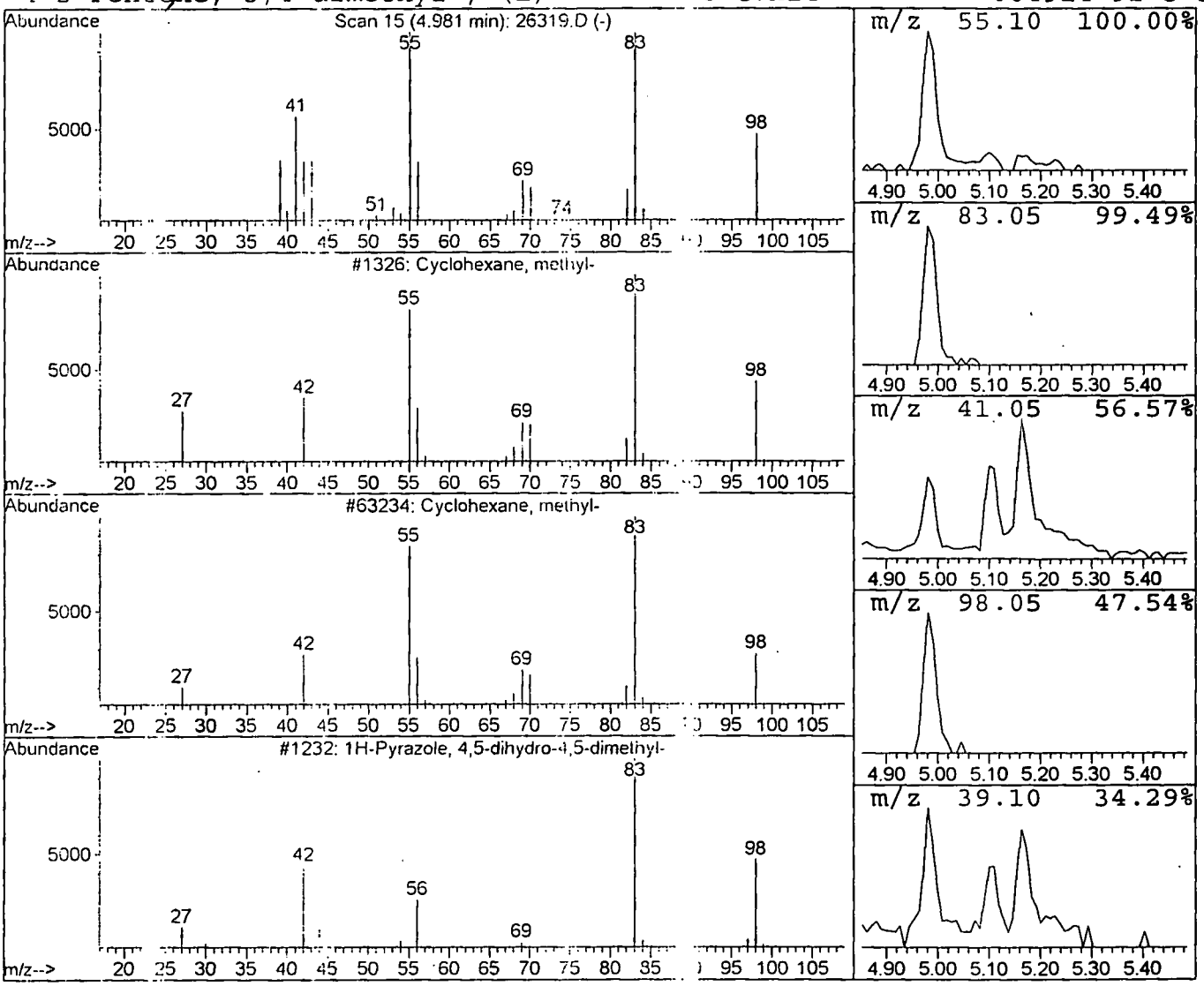
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclohexane, methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	0.53 ng/uL	164351	1,4-Dichlorobenzene-d4	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	58
3	1H-Pyrazole, 4,5-dihydro-4,5-dimeth	98	C5H10N2	028019-94-5	53
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	53



NYC-WTC_000031304

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D
Acq On : 5 Dec 2001 2:13 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

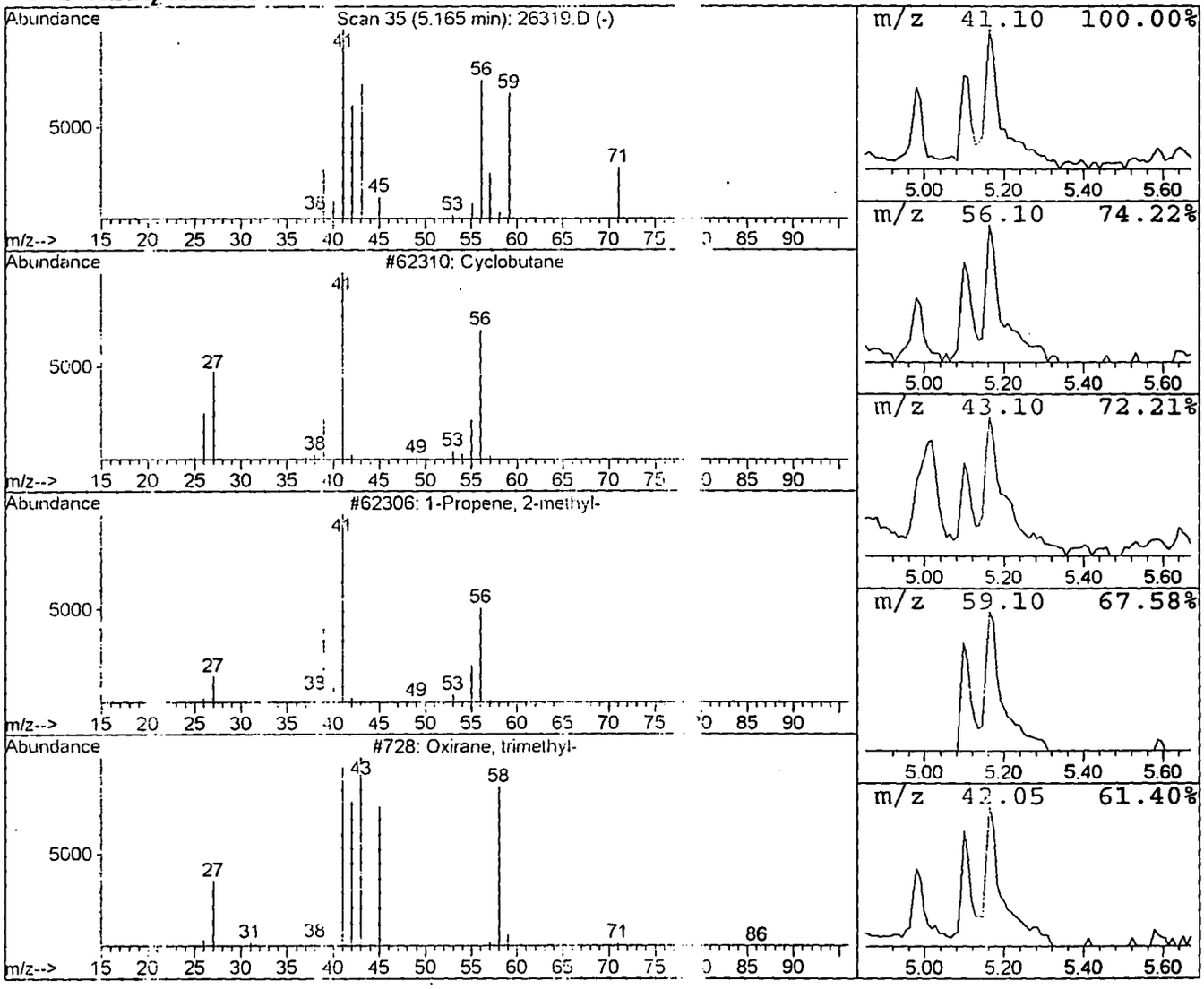
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclobutane — Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	0.51 ng/uL	156251	1,4-Dichlorobenzene-d4	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane	56	C4H8	000287-23-0	25
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	17
3	Oxirane, trimethyl-	86	C5H10O	005076-19-7	9
4	1-Aziridineethanol	87	C4H9NO	001072-52-2	9



NYC-WTC_000031305

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Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D
Acq On : 5 Dec 2001 2:13 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

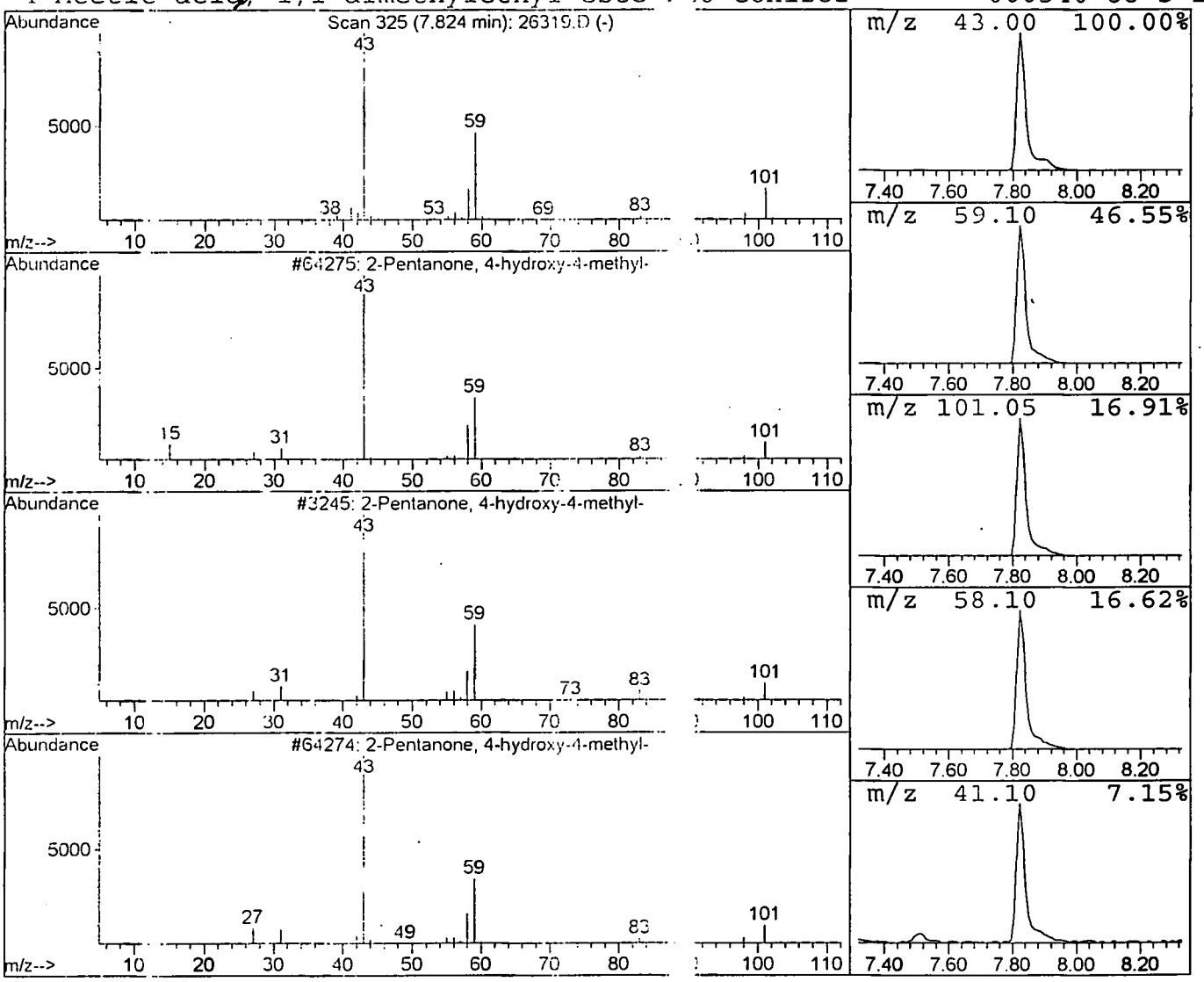
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	8.35 ng/uL	2569230	1,4-Dichlorobenzene-d4	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



NYC-WTC_000031306

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

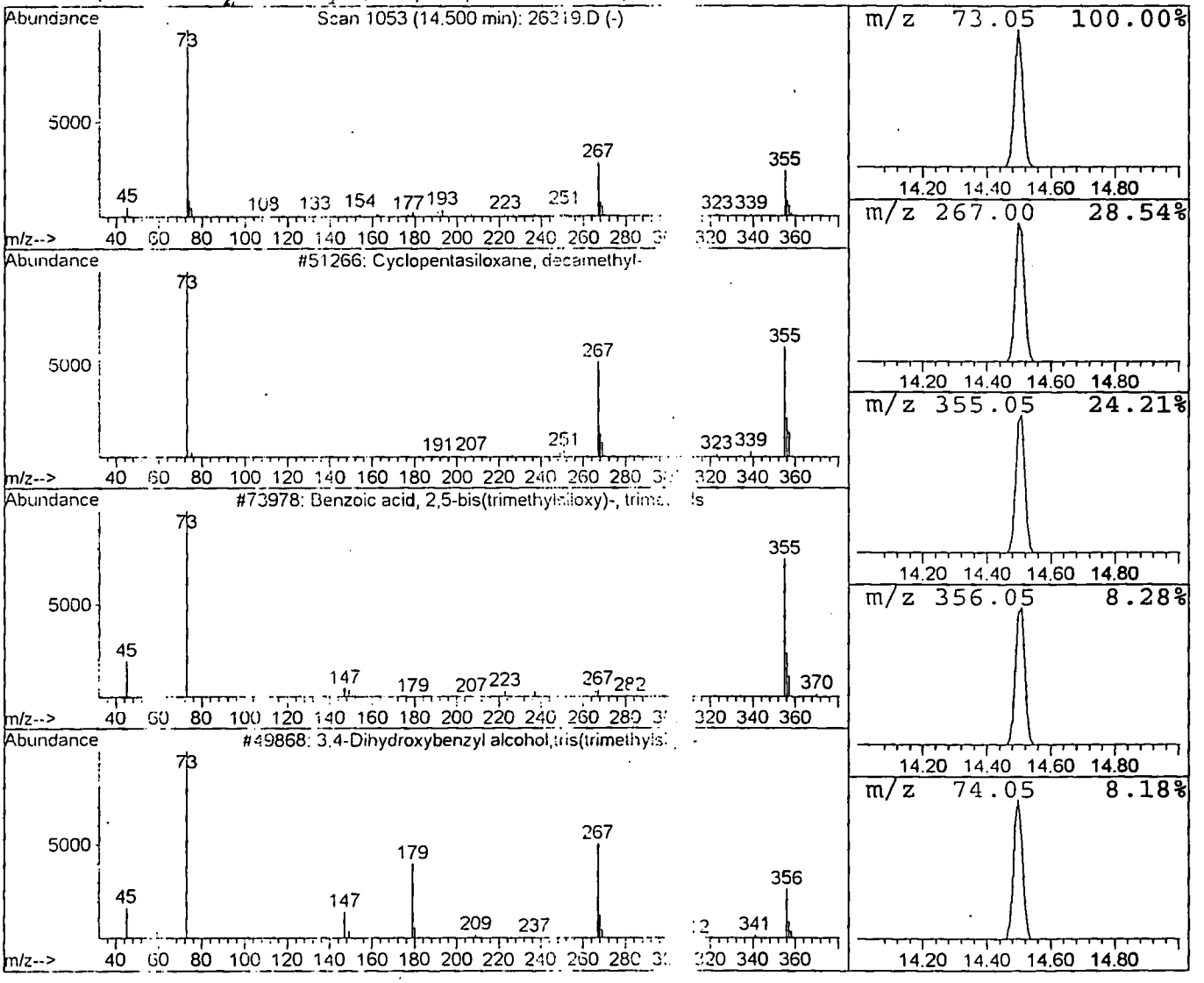
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Cyclopentasiloxane, decamethyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.17 ng/uL	822946	Naphthalene-d8	15.48

Hit# of 5	Tentative ID	RW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	10	C10H30O5Si5	000541-02-6	50
2	Benzoic acid, 2,5-bis(trimethylsilo	10	C16H30O4Si3	003618-20-0	47
3	3,4-Dihydroxybenzyl alcohol,tris(tr	6	C16H32O3Si3	068595-79-9	38
4	N-(Trifluoroacetyl)-O,O',O''-tris(t	1	C19H34F3NO4Si3	000000-00-0	37



NYC-WTC_000031307

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

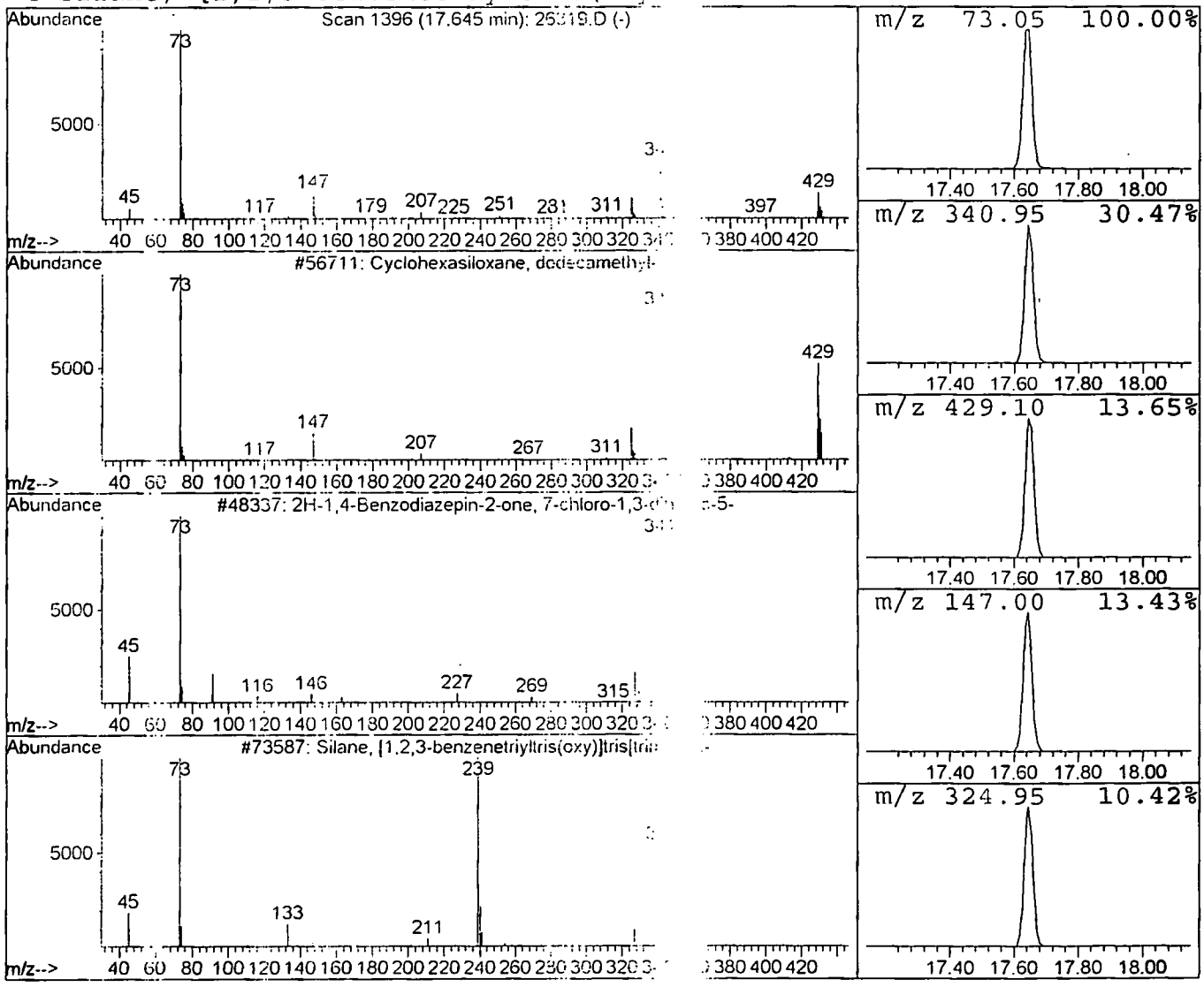
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

********** **********

Peak Number 5 Cyclohexasiloxane, dodecamethy Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	5.62 ng/uL	2129460	Naphthalene-d8	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexasiloxane, dodecamethyl-	444	C12H36O6Si6	000540-97-6	72
2	2H-1,4-Benzodiazepin-2-one, 7-chlor	312	C18H19ClN2OSi	055299-24-6	22
3	Silane, [1,2,3-benzenetriyltris(oxy	312	C15H30O3Si3	017864-23-2	10
4	Silane, [1,2,3-benzenetriyltris(oxy	312	C15H30O3Si3	017864-23-2	10



NYC-WTC_000031308

NYC 9/11 Public Portal Document

Library Search Compo[illegible] Report

Data File : C:\HPCHEM\1\DATA\DEC0501\[illegible]319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

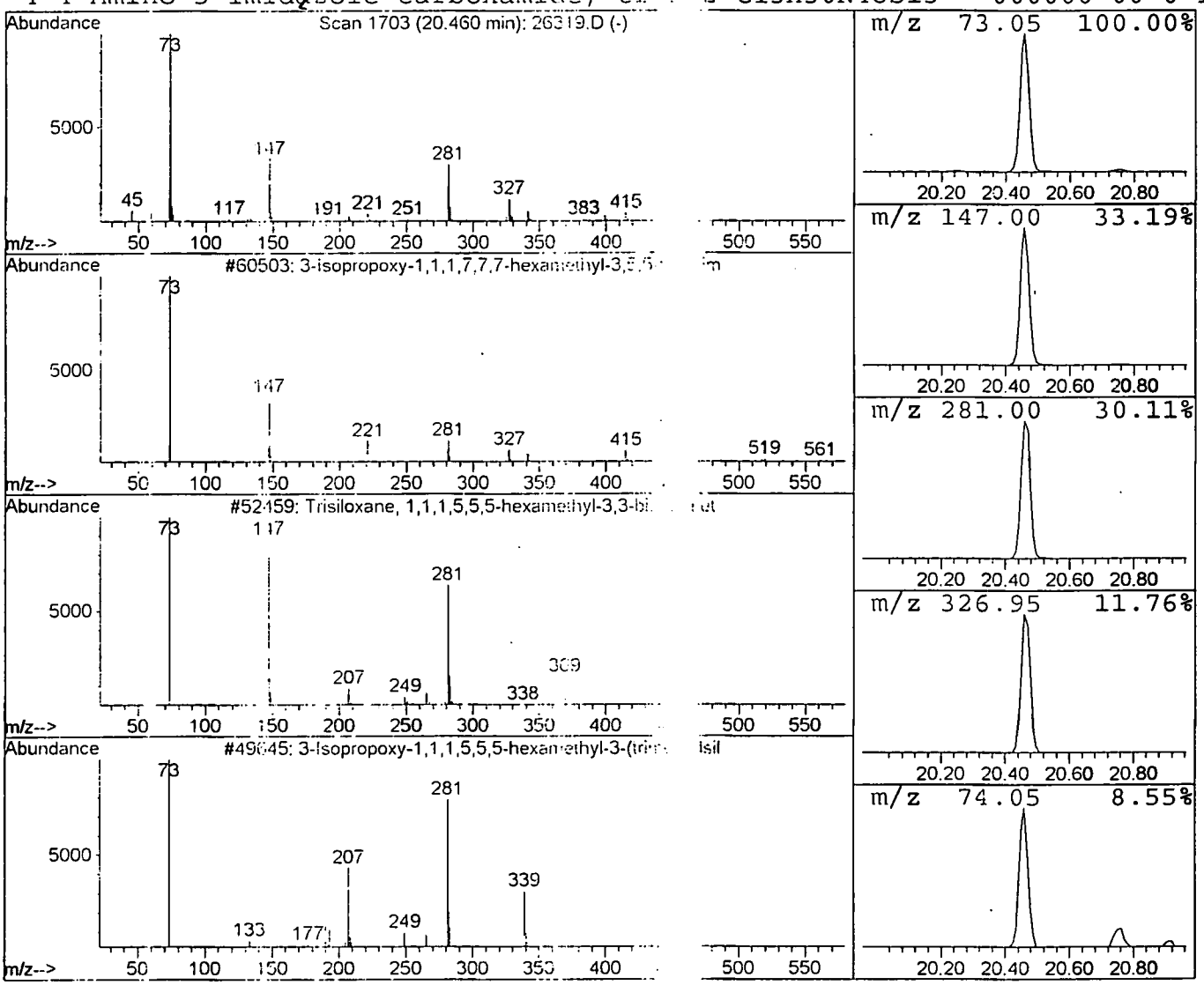
Quant Method : C:\HPCHEM\1\METHODS\[illegible]2701.M (RTE Integrator)
Title : 208 625/TCLP calibrati[illegible] table
Library : C:\DATABASE\NBS75K.L

********** **********

Peak Number 6 3-Isopropoxy-1,1,1,7,7,[illegible]hexam Concentration Rank 3

R.T.	EstConc	Area	[illegible]ative to ISTD	R.T.
20.46	4.21 ng/uL	1560600	Ac[illegible]phthene-d10	20.75

Hit# of 5	Tentative ID	[illegible]M	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	[illegible]6	C18H52O7Si7	071579-69-6	38
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	[illegible]4	C12H36O4Si5	003555-47-3	37
3	3-Isopropoxy-1,1,1,5,5,5-hexamethyl	[illegible]4	C12H34O4Si4	072182-11-7	13
4	4-Amino-5-imidazole carboxamide, tr	[illegible]2	C13H30N4OSi3	000000-00-0	12



NYC-WTC_000031309

NYC 9/11 Public Portal Document

Library Search Compo[illegible] Report

Data File : C:\HPCHEM\1\DATA\DEC0501[illegible]319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

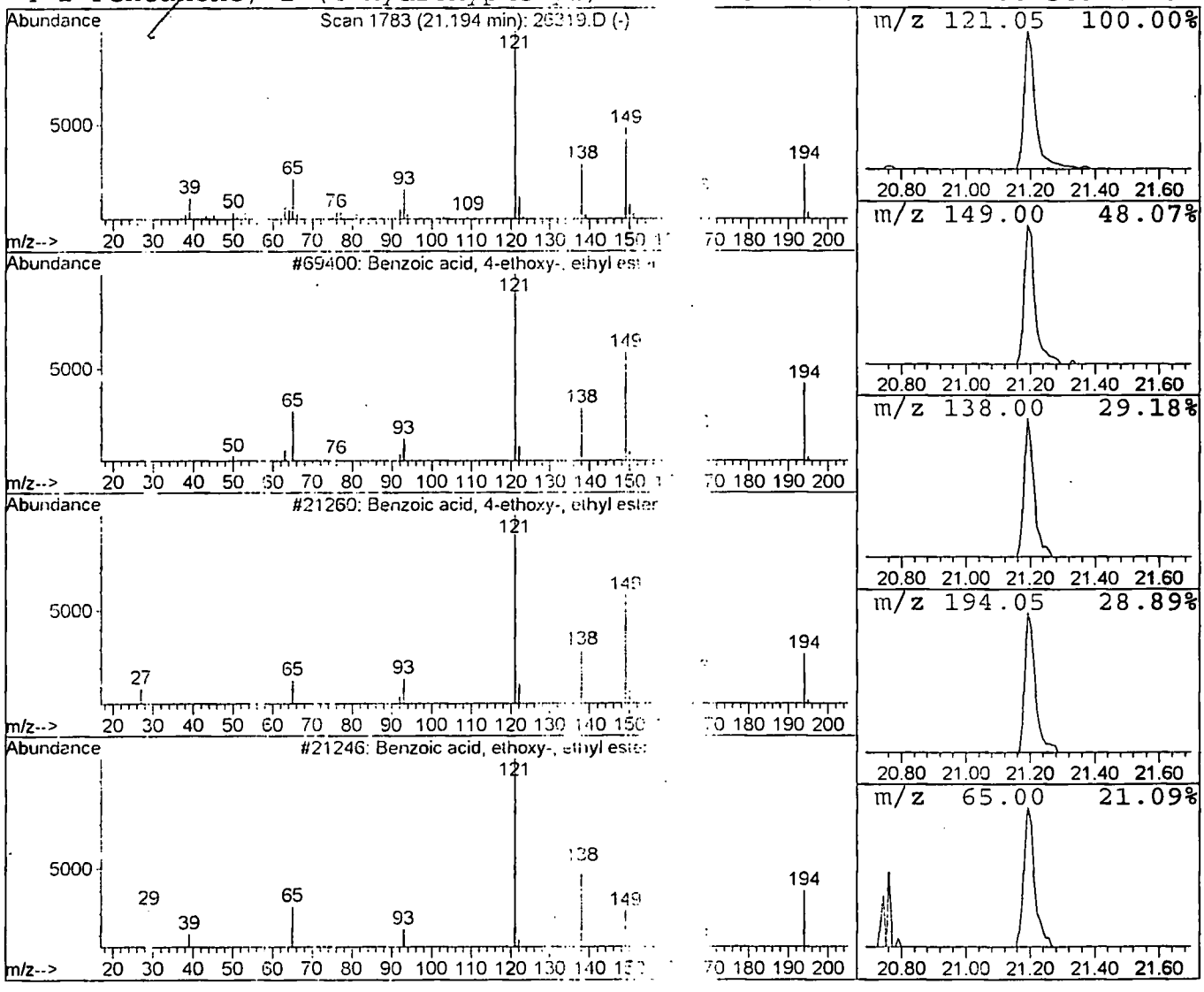
Quant Method : C:\HPCHEM\1\METHODS\N[illegible].2701.M (RTE Integrator)
Title : 208 625/TCLP calibrati[illegible] table
Library : C:\DATABASE\NBS75K.L

********** **********

Peak Number 7 Benzoic acid, 4-ethoxy- ethyl Concentration Rank 11

R.T.	EstConc	Area	[illegible]ative to ISTD	R.T.
21.19	0.79 ng/uL	293145	Acc [illegible]phthene-d10	20.75

Hit# of 5	Tentative ID	[illegible]W	MolForm	CAS#	Qual
1	Benzoic acid, 4-ethoxy-, ethyl este	4	C11H14O3	023676-09-7	96
2	Benzoic acid, 4-ethoxy-, ethyl este	4	C11H14O3	023676-09-7	96
3	Benzoic acid, ethoxy-, ethyl ester	4	C11H14O3	075333-22-1	43
4	1-Pentanone, 1-(4-hydroxyphenyl)-	3	C11H14O2	002589-71-1	43



NYC-WTC_000031310

NYC 9/11 Public Portal Document

Library Search Compou[illegible] Report

Data File : C:\HPCHEM\1\DATA\DEC0501\[illegible]319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

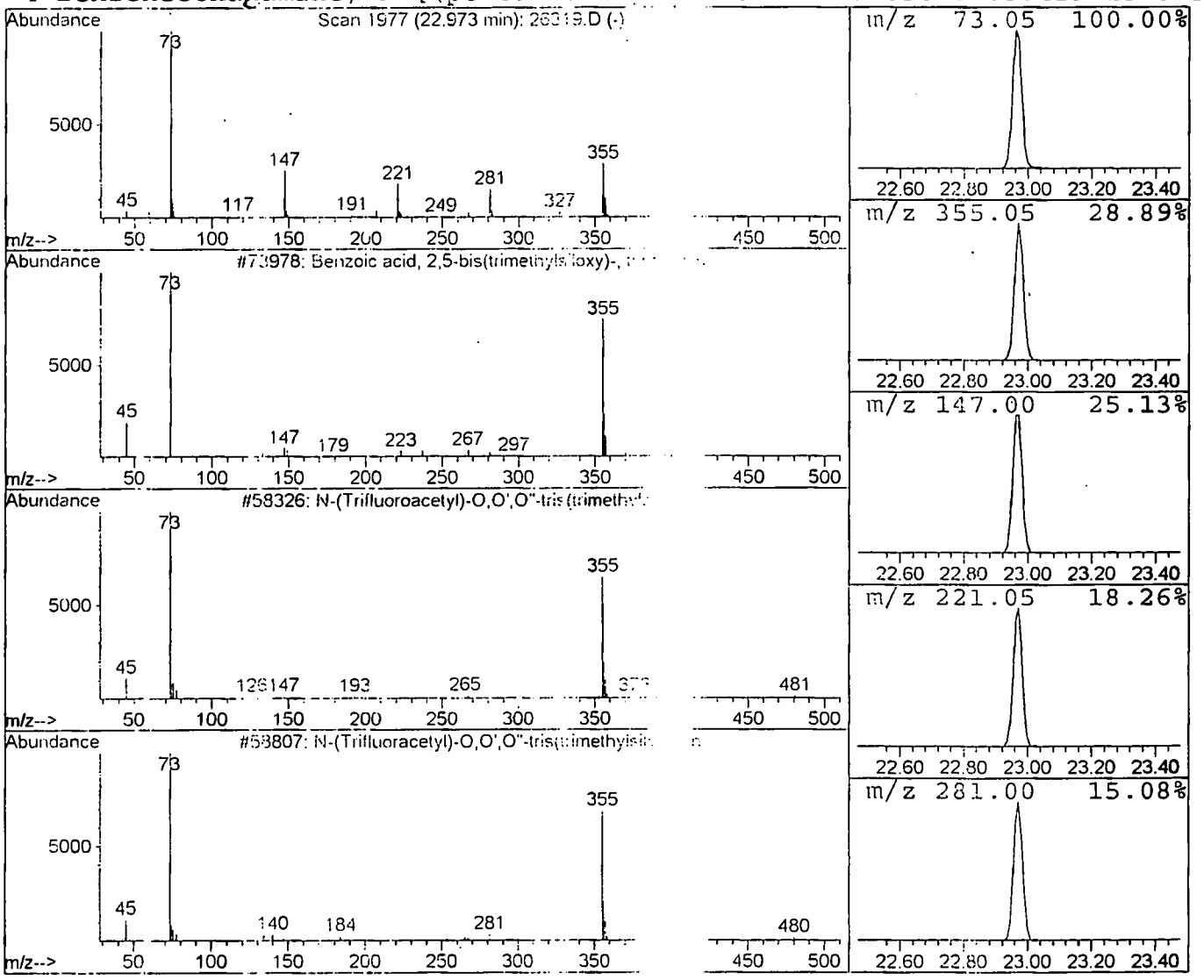
Quant Method : C:\HPCHEM\1\METHODS\N[illegible]2701.M (RTE Integrator)
Title : 208 625/TCLP calibrat[illegible] table
Library : C:\DATABASE\NBS75K.L

********** **********

Peak Number 8 Benzoic acid, 2,5-bis([illegible] methy Concentration Rank 4

R.T.	EstConc	Area	[illegible]ative to ISTD	R.T.
22.97	2.67 ng/uL	963920	Ph[illegible]nthrene-d10	25.16

Hit# of 5	Tentative ID	[illegible]	MolForm	CAS#	Qual
1	Benzoic acid, 2,5-bis(trimethylsil[illegible]	[illegible]	C16H30O4Si3	003618-20-0	47
2	N-(Trifluoroacetyl)-O,O',O''-tris([illegible]	[illegible]	C19H34F3NO4Si3	000000-00-0	37
3	N-(Trifluoracetyl)-O,O',O"-tris(tri[illegible]	[illegible]	C20H36F3NO4Si3	000000-00-0	37
4	Benzeneethanamine, N-[(pentafluoro[illegible]	[illegible]	C24H34F5NO3Si3	055429-13-5	37



NYC-WTC_000031311

NYC 9/11 Public Portal Document

Library Search Compo... Report

Data File : C:\HPCHEM\1\DATA\DEC0501\ 319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

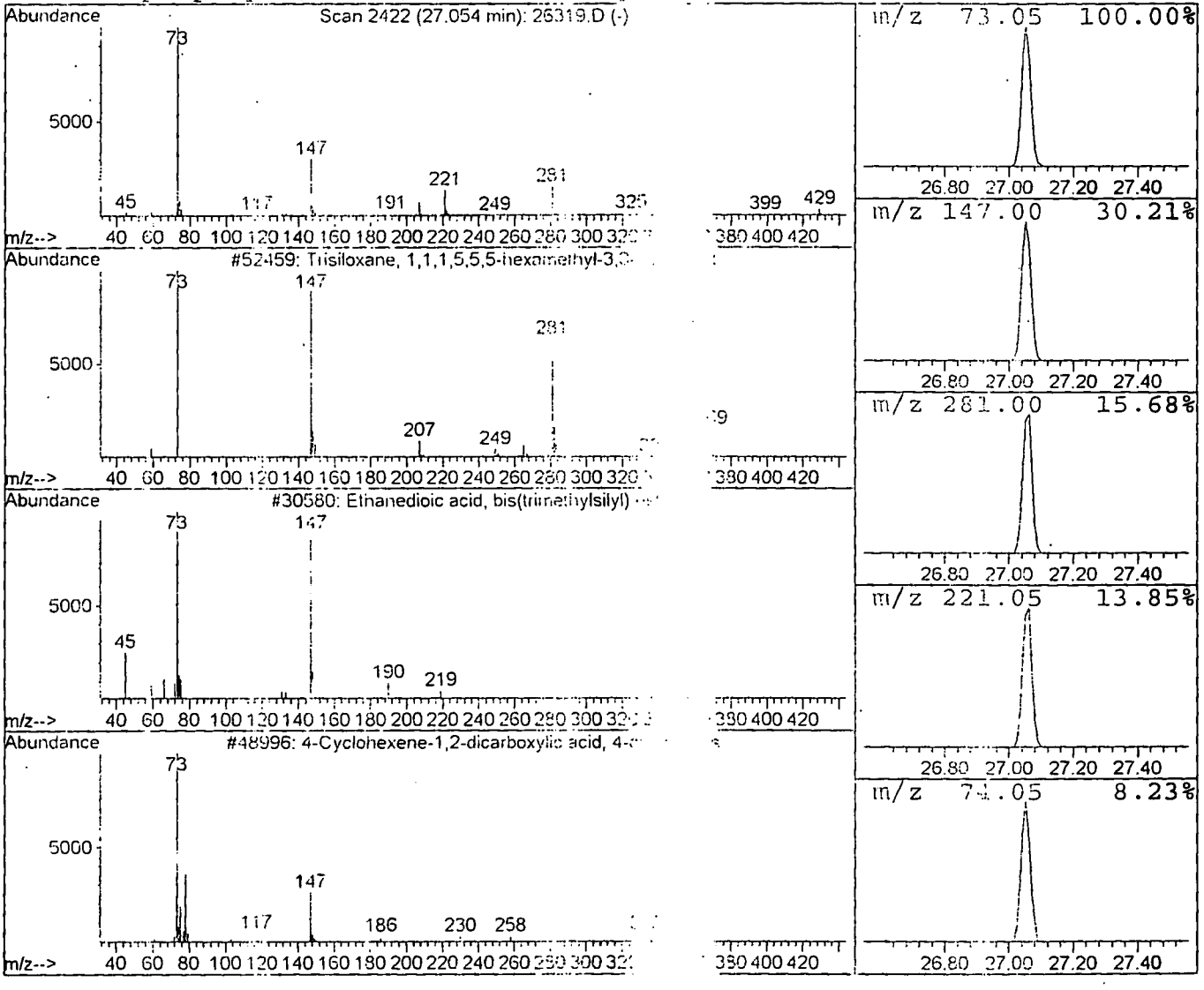
Quant Method : C:\HPCHEM\1\METHODS\... 2701.M (RTE Integrator)
Title : 208 625/TCLP calibra... table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 9 Trisiloxane, 1,1,1,5,5... hexam Concentration Rank 6

R.T.	EstConc	Area	...tive to ISTD	R.T.
27.05	1.16 ng/uL	420613	Ph... ...nthrene-d10	25.16

Hit# of 5	Tentative ID	...W	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	1	C12H36O4Si5	003555-47-3	40
2	Ethanedioic acid, bis(trimethylsil...	4	C8H18O4Si2	018294-04-7	32
3	4-Cyclohexene-1,2-dicarboxylic aci...	3	C14H25ClO4Si2	106450-29-7	23
4	3-Isopropoxy-1,1,1,7,7,7-hexamethyl...	5	C18H52O7Si7	071579-69-6	23



NYC-WTC_000031312

NYC 9/11 Public Portal Document

Library Search Comp... Report

Data File : C:\HPCHEM\1\DATA\DEC0501\ 319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

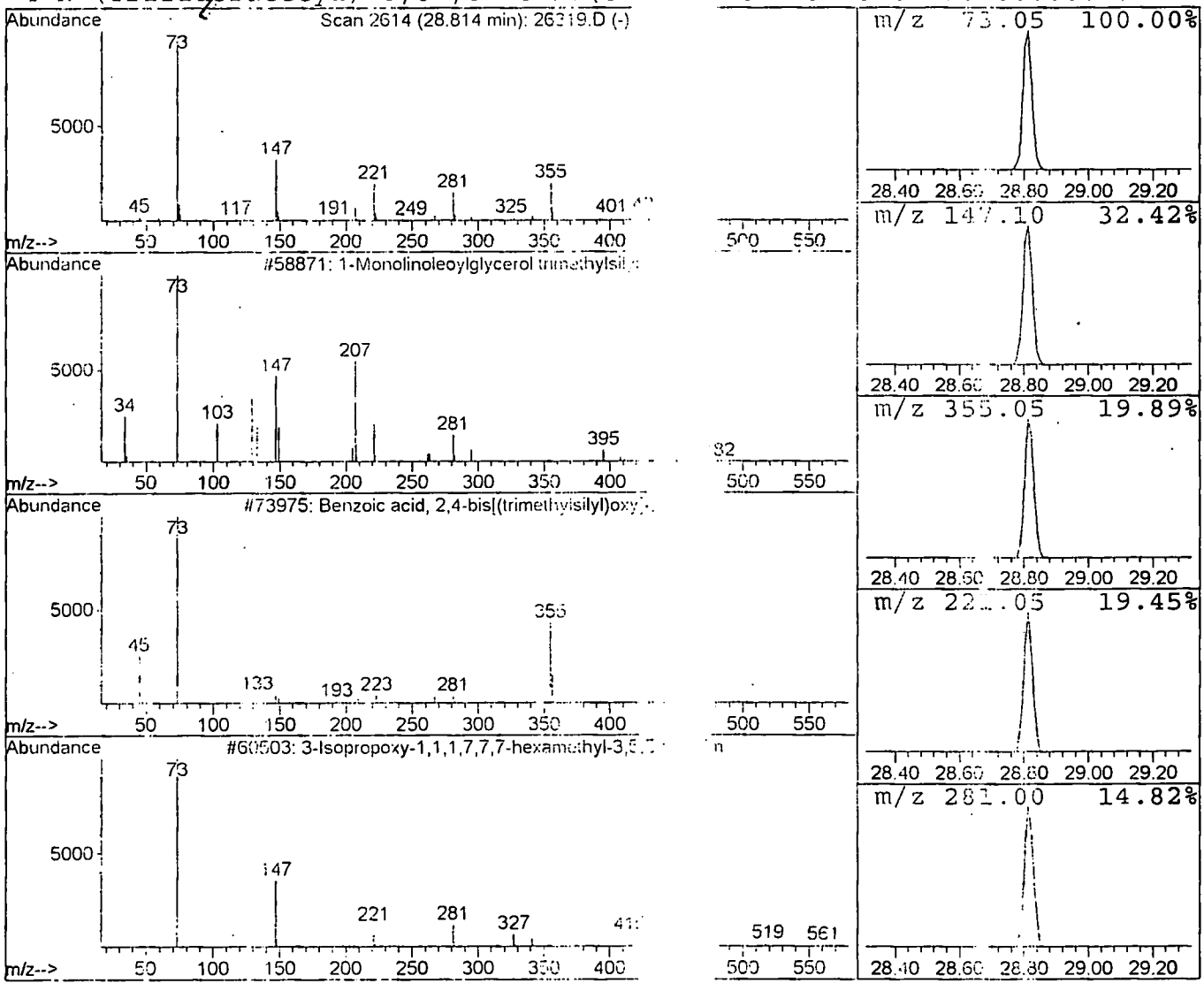
Quant Method : C:\HPCHEM\1\METHODS\... 2701.M (RTE Integrator)
Title : 208 625/TCLP calibra... table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 10 1-Monolinoleoylglycer... cimet Concentration Rank 9

R.T.	EstConc	Area	...ative to ISTD	R.T.
28.81	0.94 ng/uL	339844	P...	...threne-d10	25.16

Hit# of 5	Tentative ID	...	MolForm	CAS#	Qual
1	1-Monolinoleoylglycerol trimethylsi...	...	C27H54O4Si2	054284-45-6	33
2	Benzoic acid, 2,4-bis[(trimethylsi...	...	C16H30O4Si3	010586-16-0	25
3	3-Isopropoxy-1,1,1,7,7,7-hexamethy...	...	C18H52O7Si7	071579-69-6	25
4	N-(Trifluoracetyl)-O,O',O"-tris(tri...	...	C20H36F3NO4Si3	000000-00-0	17



NYC-WTC_000031313

NYC 9/11 Public Portal Document

Library Search Comp: Report

Data File : C:\HPCHEM\1\DATA\DEC05C 319.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

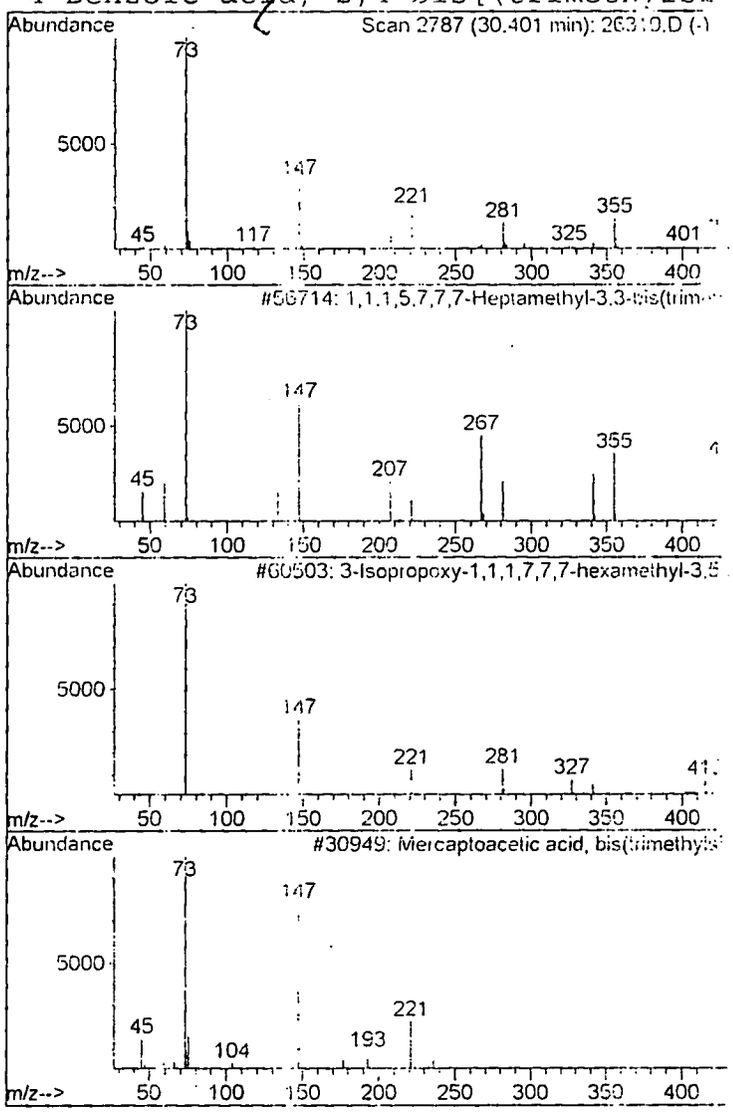
Quant Method : C:\HPCHEM\1\METHODS\ 2701.M (RTE Integrator)
Title : 208 625/TCLP calibra table
Library : C:\DATABASE\NBS75K.L

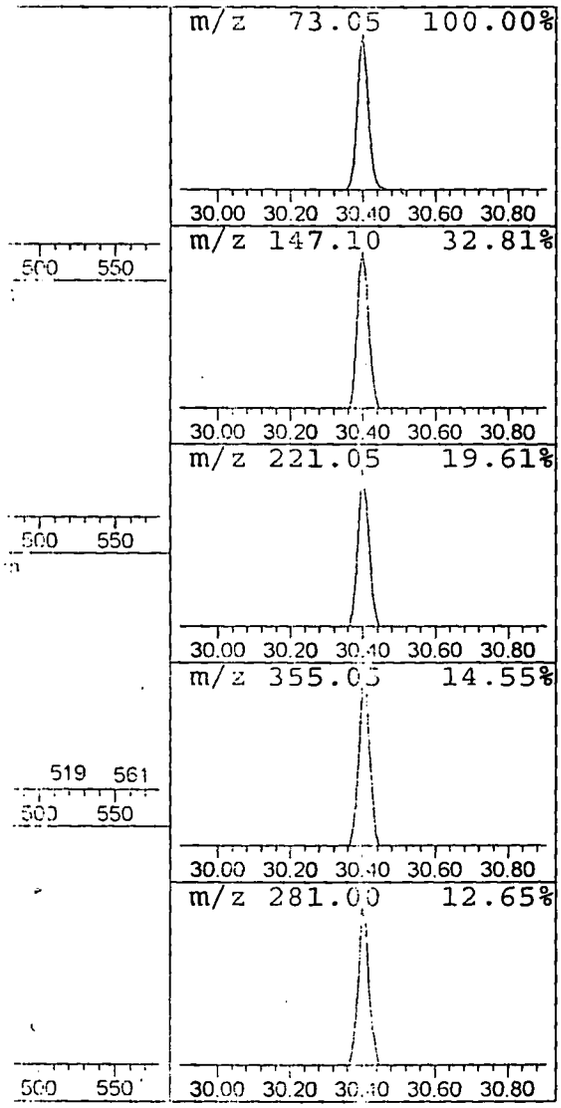
****

Peak Number 11 1,1,1,5,7,7,7-Heptame -3,3- Concentration Rank 7

R.T.	EstConc	Area	tive to ISTD	R.T.
30.40	1.16 ng/uL	283443	ene-d12	33.17

Hit# of 5	Tentative ID	MolForm	CAS#	Qual
1	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(	C13H40O5Si6	038147-00-1	42
2	3-Isopropoxy-1,1,1,7,7,7-hexamethy	C18H52O7Si7	071579-69-6	38
3	Mercaptoacetic acid, bis(trimethyl	C8H20O2SSi2	006398-62-5	12
4	Benzoic acid, 2,4-bis[(trimethylsi	C16H30O4Si3	010586-16-0	10





NYC-WTC_000031314

NYC 9/11 Public Portal Document

Library Search Comp:. Report

Data File : C:\HPCHEM\1\DATA\DEC050: :19.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

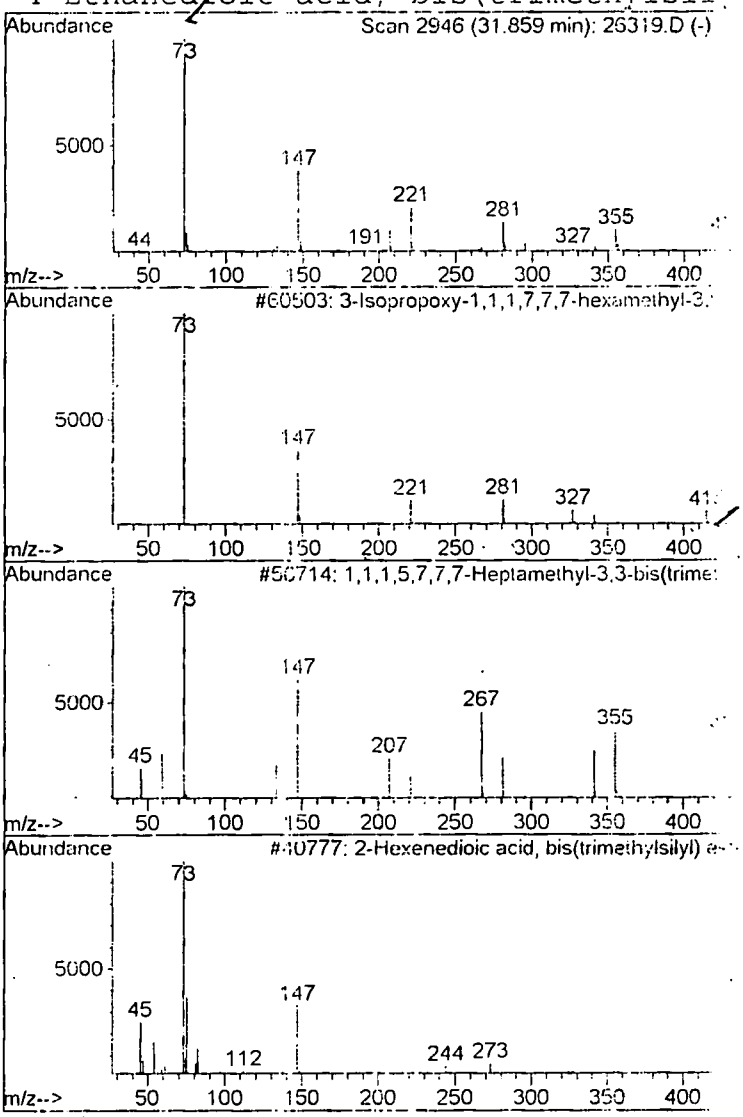
Quant Method : C:\HPCHEM\1\METHODS\: :701.M (RTE Integrator)
Title : 208 625/TCLP calibra: table
Library : C:\DATABASE\NBS75K.L

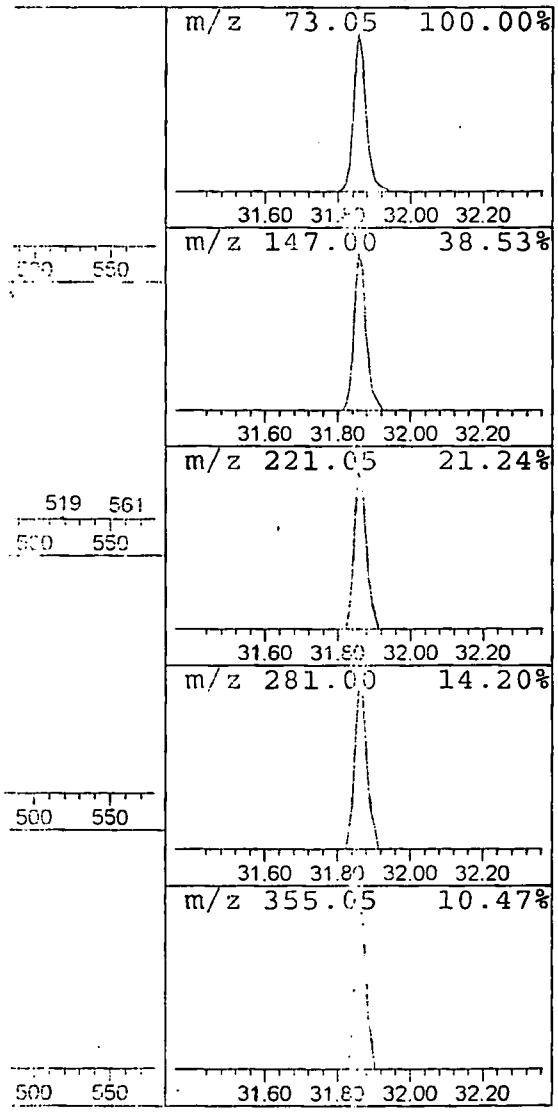
****

Peak Number 12 3-Isopropoxy-1,1,1,7,7 :exam Concentration Rank 8

R.T.	EstConc	Area	:tive to ISTD	R.T.
31.86	1.08 ng/uL	262415	C: :ne-d12	33.17

Hit# of 5	Tentative ID	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethy	C18H52O7Si7	071579-69-6	40
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(	C13H40O5Si6	038147-00-1	25
3	2-Hexenedioic acid, bis(trimethylsi	C12H24O4Si2	055494-10-5	23
4	Ethanedioic acid, bis(trimethylsil	C8H18O4Si2	018294-04-7	12





NYC-WTC_000031315

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC050[illegible]19.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

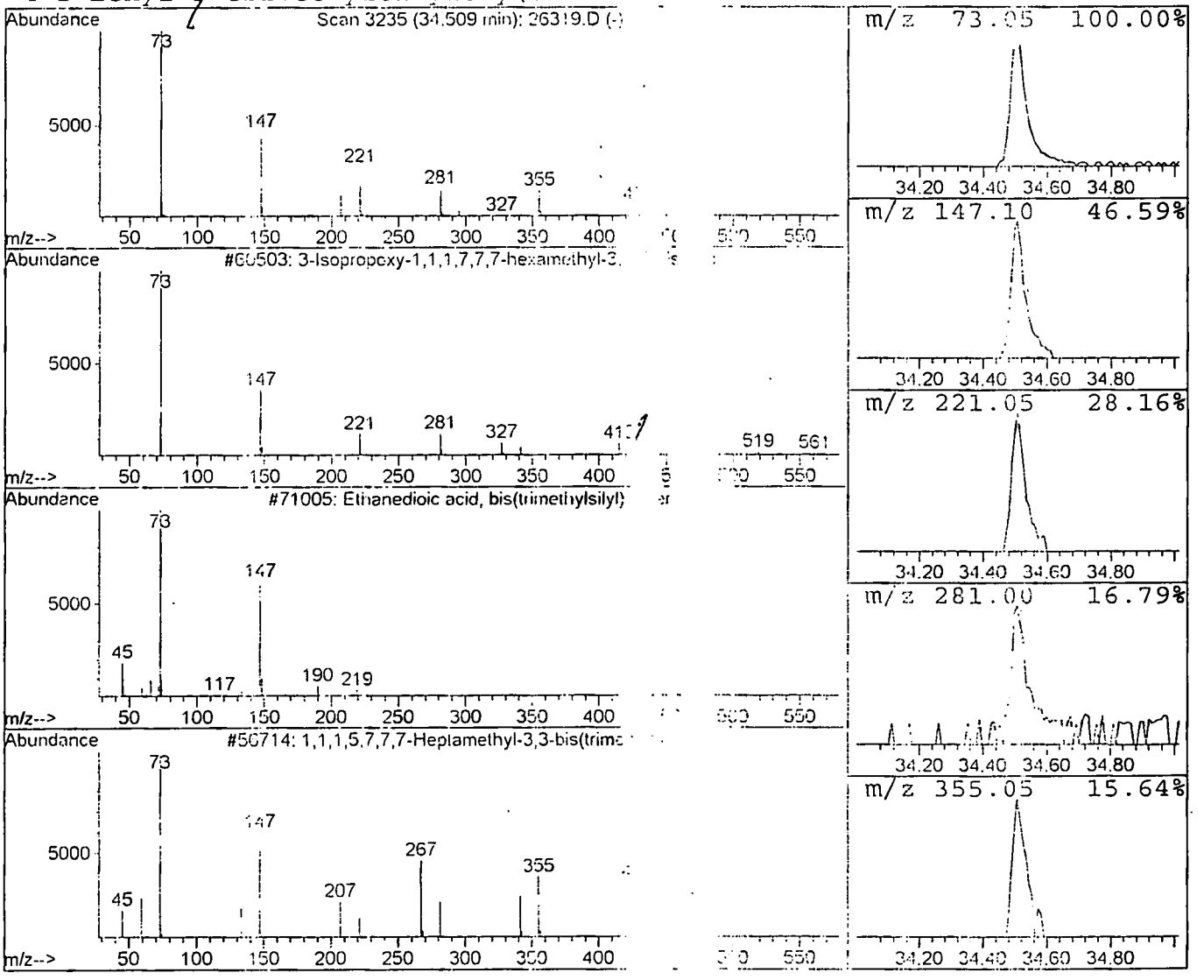
Quant Method : C:\HPCHEM\1\METHODS\[illegible]701.M (RTE Integrator)
Title : 208 625/TCLP calibrat[illegible]table
Library : C:\DATABASE\NBS75K.L

********** **********

Peak Number 13 3-Isopropoxy-1,1,1,7,[illegible]nam Concentration Rank 10

R.T.	EstConc	Area	[illegible]tive to ISTD	R.T.
34.51	0.82 ng/uL	199475	C[illegible] ne-d12	33.17

Hit# of 5	Tentative ID	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethy[illegible]	C18H52O7Si7	071579-69-6	33
2	Ethanedioic acid, bis(trimethylsi[illegible]	C8H18O4Si2	018294-04-7	32
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis[illegible]	C13H40O5Si6	038147-00-1	25
4	2-Ethyl-3-trimethylsilyloxy(trime[illegible]	C12H28O3Si2	000000-00-0	23



NYC-WTC_000031316

NYC 9/11 Public Portal Document

Library Search Comp[illegible] Report

Data File : C:\HPCHEM\1\DATA\DEC050[illegible].19.D Vial: 7
Acq On : 5 Dec 2001 2:13 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

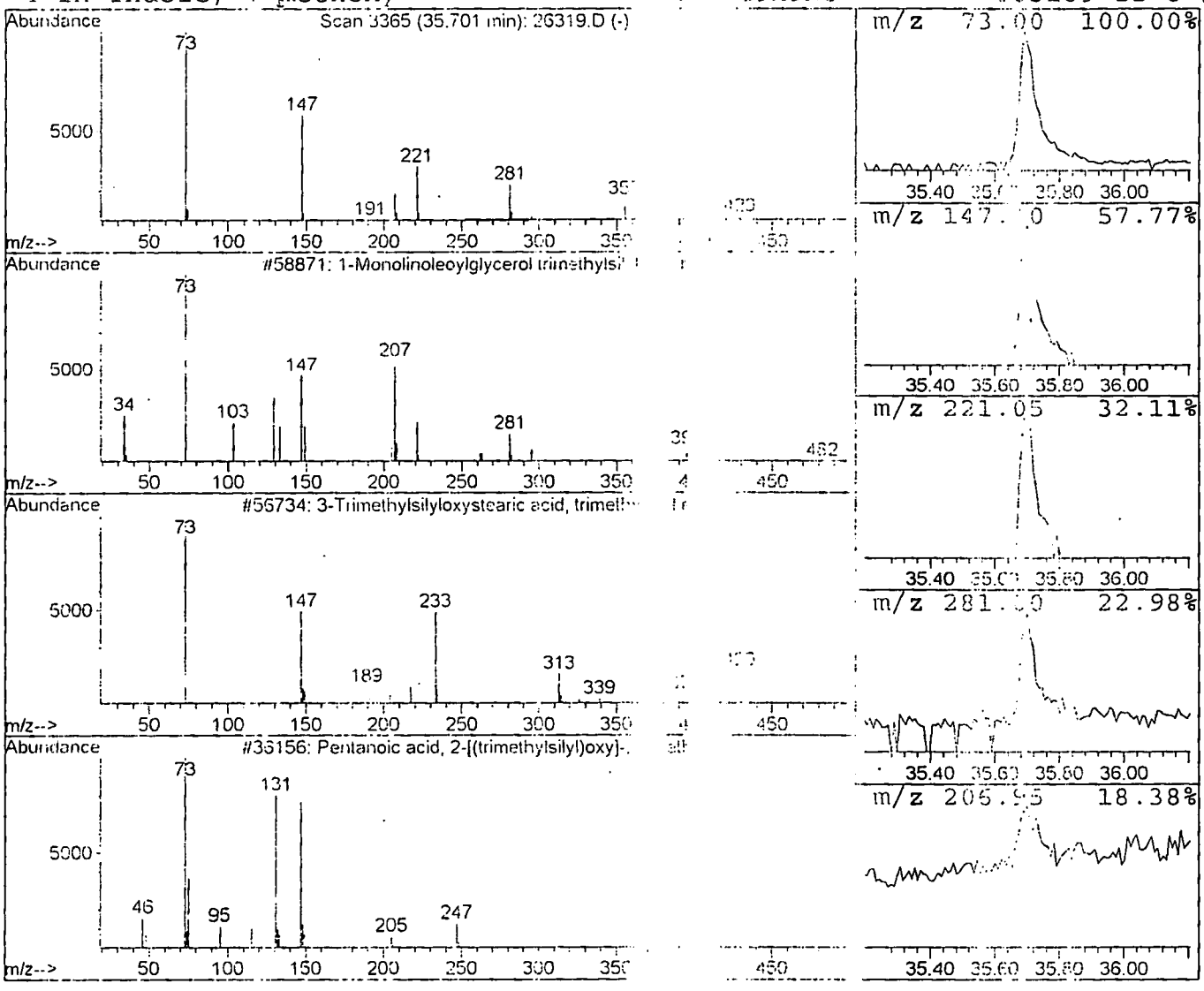
Quant Method : C:\HPCHEM\1\METHODS\[illegible]701.M (RTE Integrator)
Title : 208 625/TCLP calibra[illegible]able
Library : C:\DATABASE\NBS75K.L

********** **********

Peak Number 14 1-Monolinoleoylglycer[illegible]imet Concentration Rank 12

R.T.	EstConc	Area	Re[illegible]tive to ISTD	R.T.
35.70	0.67 ng/uL	121617	P[illegible]y[illegible]ne-d12	37.25

Hit# of 5	Tentative ID	MolForm	CAS#	Qual
1	1-Monolinoleoylglycerol trimethyls[illegible]	C27H54O4Si2	054284-45-6	33
2	3-Trimethylsilyloxystearic acid, t[illegible]	C24H52O3Si2	000000-00-0	17
3	Pentanoic acid, 2-[(trimethylsilyl[illegible]	C11H26O3Si2	055887-46-2	12
4	1H-Indole, 7-methoxy-	C9H9NO	003189-22-8	9



NYC-WTC_000031317

NYC 9/11 Public Portal Document

Tentatively Identified Compound (TIC) Summary

Operator ID: GALOS Date Acquired: 5 Dec 2001 2:13 pm
Data File: C:\HPCHEM\1\DATA\DEC0501\26319.D
Name: gc/ms unknown 11/3
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	A	a	IntStd	ISRT	ISArea	ISConc
Cyclohexane, methyl-	4.98	0.5	ng/ul			8251 ISTD01	11.87	6153720	20.0
Cyclobutane	5.16	0.5	ng/ul			8251 ISTD01	11.87	6153720	20.0
2-Pentanone, 4-hydro	7.82	8.4	ng/ul	2		8230 ISTD01	11.87	6153720	20.0
Cyclopentasiloxane,	14.50	2.2	ng/ul			2946 ISTD02	15.48	7573100	20.0
Cyclohexasiloxane, d	17.65	5.6	ng/ul	2		9460 ISTD02	15.48	7573100	20.0
3-Isopropoxy-1,1,1,7	20.46	4.2	ng/ul	1		3800 ISTD03	20.75	7406220	20.0
Benzoic acid, 4-etho	21.19	0.8	ng/ul			8145 ISTD03	20.75	7406220	20.0
Benzoic acid, 2,5-bi	22.97	2.7	ng/ul			8120 ISTD04	25.16	7228940	20.0
Trisiloxane, 1,1,1,5	27.05	1.2	ng/ul			8513 ISTD04	25.16	7228940	20.0
1-Monolinoleoylglyce	28.81	0.9	ng/ul			8844 ISTD04	25.16	7228940	20.0
1,1,1,5,7,7,7-Heptam	30.40	1.2	ng/ul			8243 ISTD05	33.17	4872800	20.0
3-Isopropoxy-1,1,1,7	31.86	1.1	ng/ul			8815 ISTD05	33.17	4872800	20.0
3-Isopropoxy-1,1,1,7	34.51	0.8	ng/ul			8475 ISTD05	33.17	4872800	20.0
1-Monolinoleoylglyce	35.70	0.7	ng/ul			8417 ISTD06	37.35	3638960	20.0

26319.D NP112701.M Wed Dec 05 15:17:42 2001