Comments for Sample AD29520 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-25-2002 Time: 08:32:38

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for bis(2-Ethylhexyl)phthalate at an estimated level of 0.26 ug/L. It is also present in the Laboratory Blank at 0.66 ug/L.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/25/2002 Time: 08:32:41

Sample: AD29520
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/4/02 14:38 Ended: 1/4/02 14:38 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		77		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN0302\29520.D Vial: 16
Acq On : 4 Jan 2002 1:12 am Operator: 209 GALOS
Sample : gcms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 4 2:00 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.53	152	1410988	20.00	ug/l	-0.17
10) Naphthalene-d8	15.13	136	5432851	20.00	ug/l	-0.18
17) Acenaphthene-d10	20.40	164	2653891	20.00	ug/l	-0.18
29) Phenanthrene-d10	24.81	188	3977031	20.00	ug/l	-0.18
38) Chrysene-d12	32.84	240	2350349	20.00	ug/l	-0.19
44) Perylene-d12	36.91	264	1422203	20.00	ug/l	-0.21
System Monitoring Compounds						
37) 2,4-DDD	29.89	235	169303	3.87	ug/mL	-0.18
Spiked Amount 5.000			Recovery = 77.40%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.13	74	212	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	12.82	117	179	N.D.		
11) Nitrobenzene	13.15	77	183	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.18	128	4604	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	19.96	165	185	N.D.		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	20.41	153	138	N.D.		
24) 2,4-Dinitrotoluene	21.15	165	367	N.D.		
25) Diethylphthalate	21.91	149	1220	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		

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

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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	24.87	178	1535	N.D.	
34)	Anthracene	24.87	178	1535	N.D.	
35)	Di-n-butylphthalate	26.82	149	15195	N.D.	
36)	Fluoranthene	28.50	202	232	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.32	149	3035	N.D.	
41)	Benzo(a)anthracene	32.84	228	6873	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.13	149	35847	0.25 ug/l	98
43)	Chrysene	32.84	228	6873	N.D.	
45)	Di-n-Octylphthalate	34.87	149	852	N.D.	
46)	Benzo(b)fluoranthene	35.88	252	2667	N.D.	
47)	Benzo(k)fluoranthene	35.88	252	2668	N.D.	
48)	Benzo(a)pyrene	36.74	252	960	N.D.	
49)	Indeno(1,2,3-cd)pyrene	40.51	276	362	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	41.58	276	260	N.D.	

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Quantitation Report

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Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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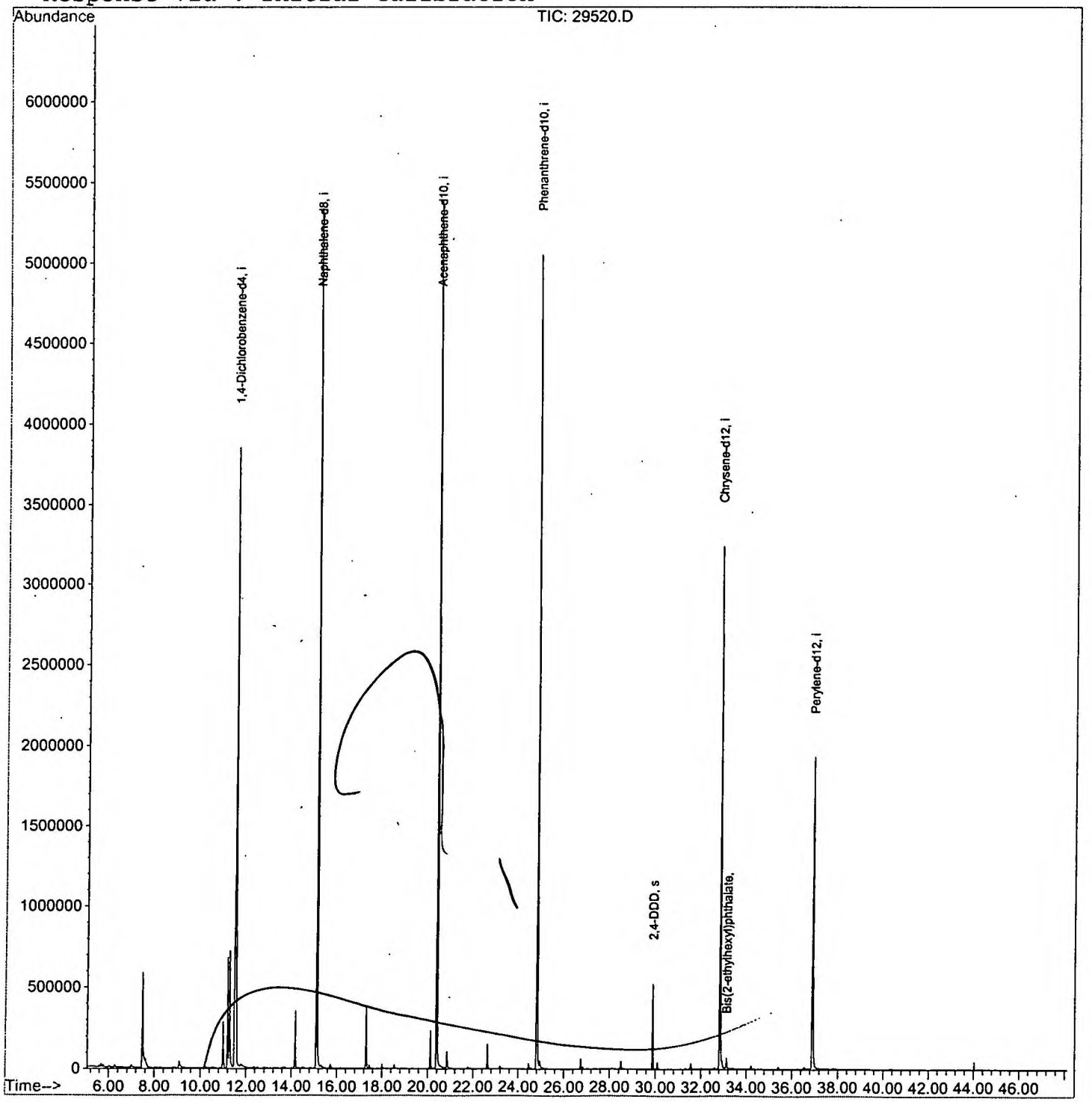
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN0302\29520.D Vial: 16
Acq On : 4 Jan 2002 1:12 am Operator: 209 GALOS
Sample : gcms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/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

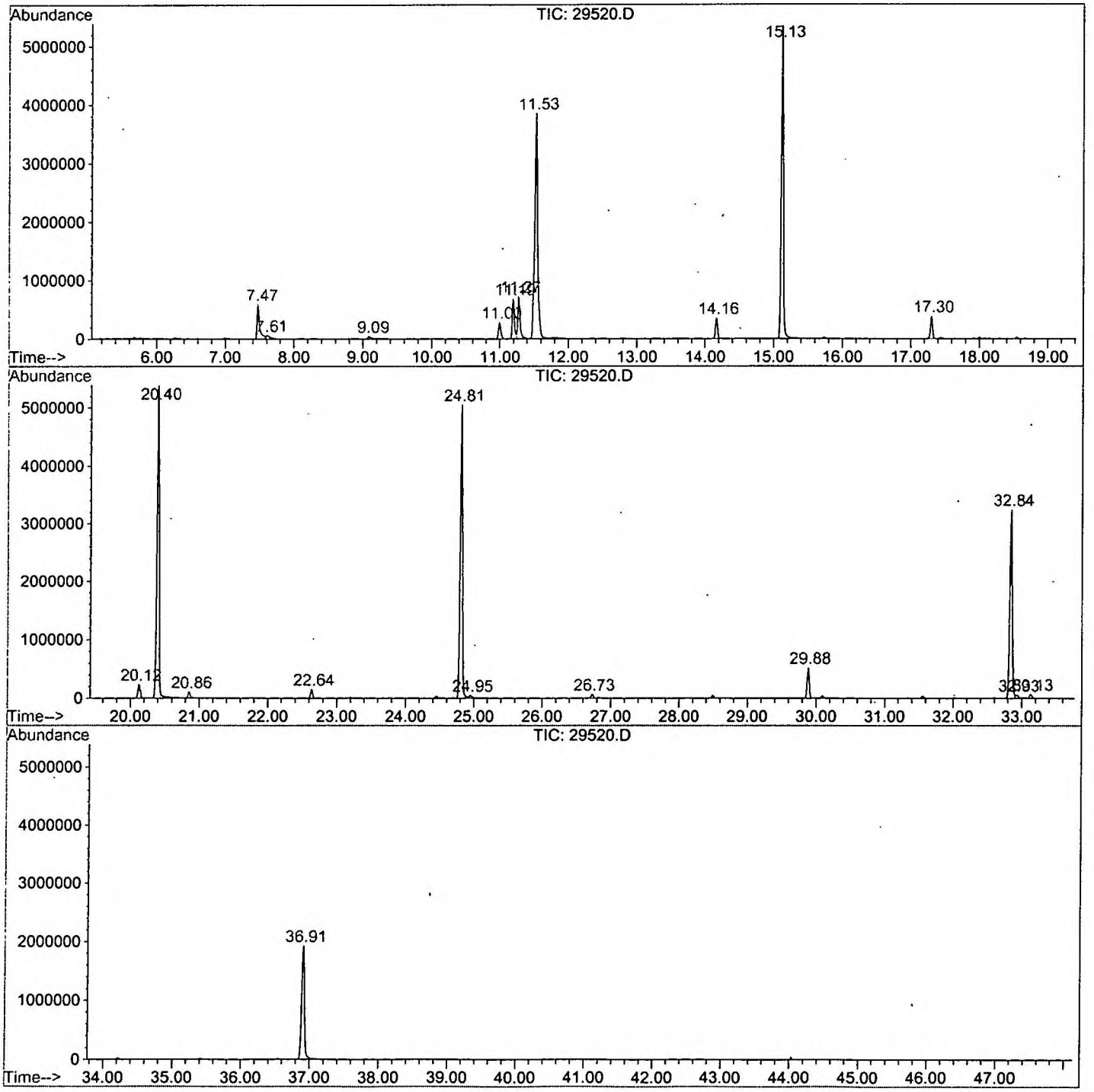
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.471	260	264	276	rBV	588793	1487395	12.78%	2.201%
2	7.608	277	279	300	rVB	57750	223738	1.92%	0.331%
3	9.086	437	440	462	rBV	43369	179344	1.54%	0.265%
4	10.996	642	648	659	rBV	283955	660611	5.68%	0.978%
5	11.189	665	669	675	rBV	675649	1400049	12.03%	2.072%
6	11.271	675	678	694	rVB	716198	1599490	13.75%	2.367%
7	11.528	698	706	723	rBV2	3843645	11055712	95.02%	16.360%
8	14.163	982	993	998	rBV	354042	733812	6.31%	1.086%
9	15.127	1091	1098	1115	rBV	5335025	11086020	95.28%	16.404%
10	17.303	1325	1335	1343	rBV	385940	789325	6.78%	1.168%
11	20.121	1637	1642	1647	rBV2	235767	526044	4.52%	0.778%
12	20.396	1664	1672	1688	rBV	5390273	11634730	100.00%	17.216%
13	20.855	1716	1722	1732	rBV	103129	213113	1.83%	0.315%
14	22.636	1910	1916	1923	rBV	153222	299527	2.57%	0.443%
15	24.812	2146	2153	2164	rBV2	5050349	11283928	96.98%	16.697%
16	24.950	2164	2168	2177	rVB	43361	116827	1.00%	0.173%
17	26.731	2357	2362	2368	rVB	65670	129863	1.12%	0.192%
18	29.880	2700	2705	2711	rBV	525058	1067109	9.17%	1.579%
19	32.845	3020	3028	3034	rBV	3240602	7499311	64.46%	11.097%
20	32.928	3034	3037	3044	rVB2	45066	126517	1.09%	0.187%
21	33.130	3054	3059	3066	rVB	65619	136397	1.17%	0.202%
22	36.912	3462	3471	3494	rBV2	1929581	5330667	45.82%	7.888%

Sum of corrected areas: 67579529

29520.D GCMS1126.M Tue Jan 08 10:28:19 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN0302\29520.D
Operator : 209 GALOS
Acquired : 4 Jan 2002 1:12 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gcms scan
Misc Info :
Vial Number: 16
Quant File :GCMS1126.RES (RTE Integrator)



29520.D GCMS1126.M Tue Jan 08 10:28:25 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN0302\29520.D
Acq On : 4 Jan 2002 1:12 am
Sample : gcms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

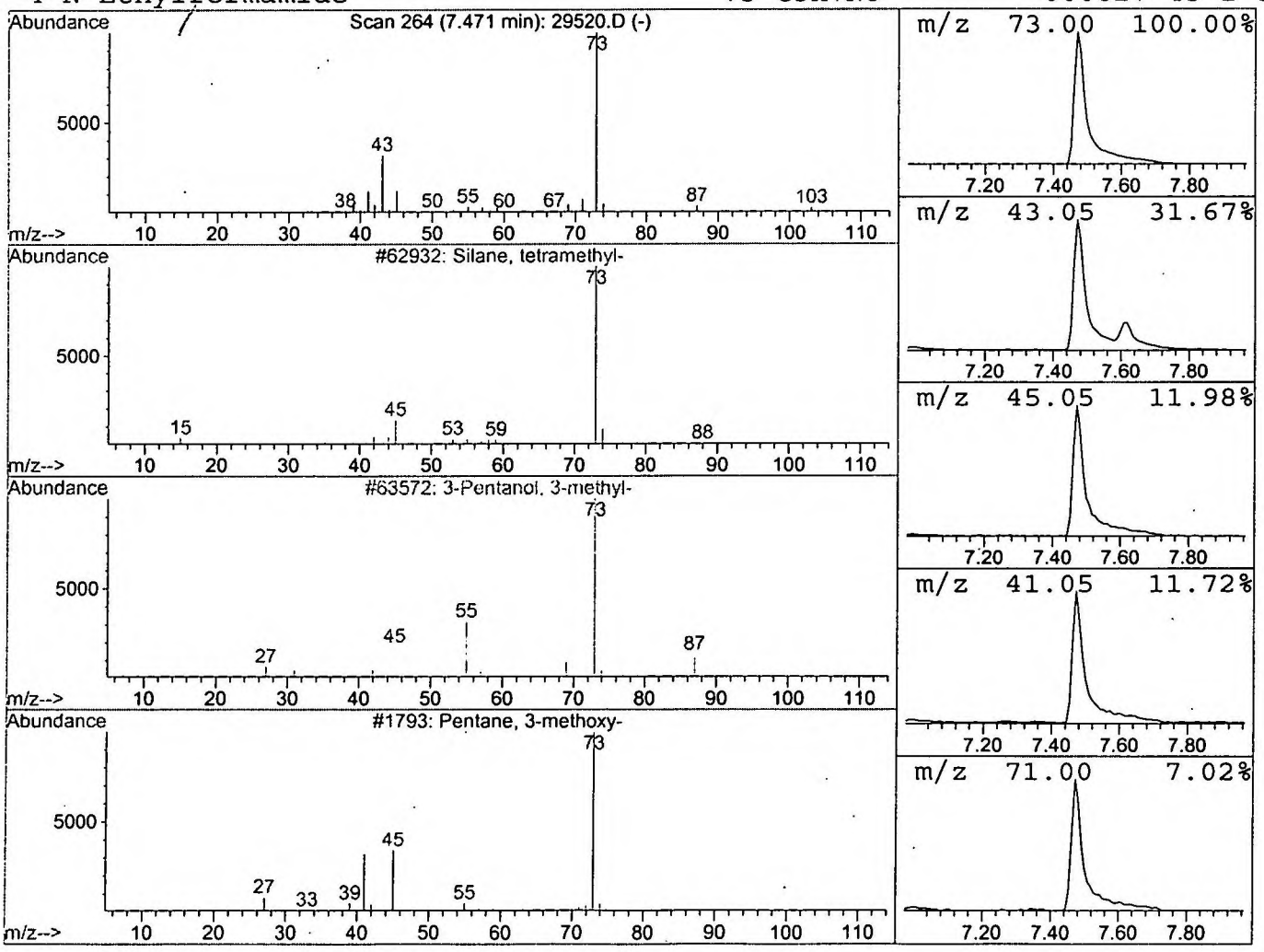
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	2.69 ug/l	1487400	1,4-Dichlorobenzene-d4	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	5



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Sample : gcms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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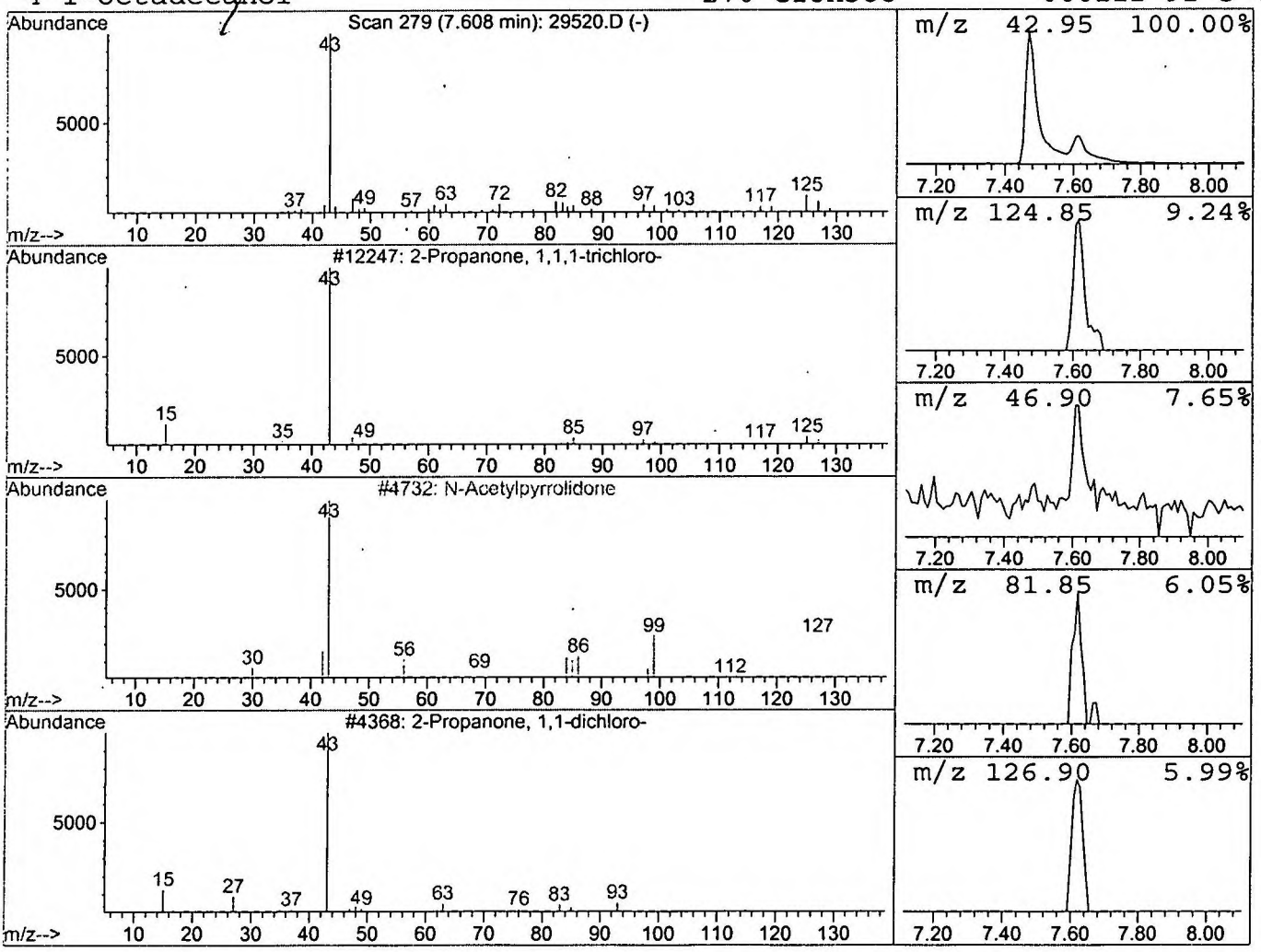
****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	0.40 ug/l	223738	1,4-Dichlorobenzene-d4	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	50
2	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	9
3	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	9
4	1-Octadecanol	270	C18H38O	000112-92-5	7



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Sample : gcms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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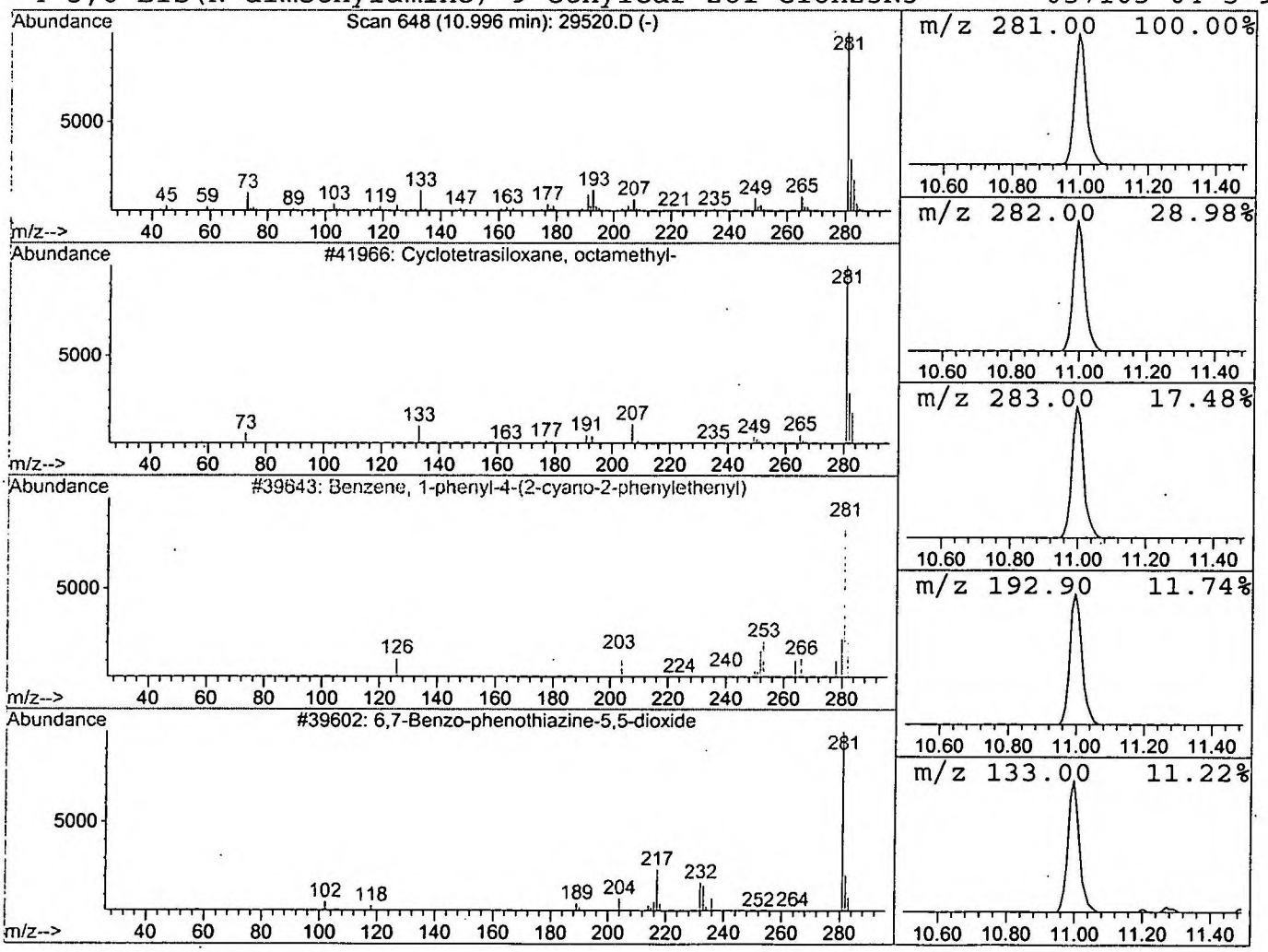
****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	1.20 ug/l	660611	1,4-Dichlorobenzene-d4	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	50
3	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	9
4	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	9



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Vial: 16
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Multiplr: 1.00

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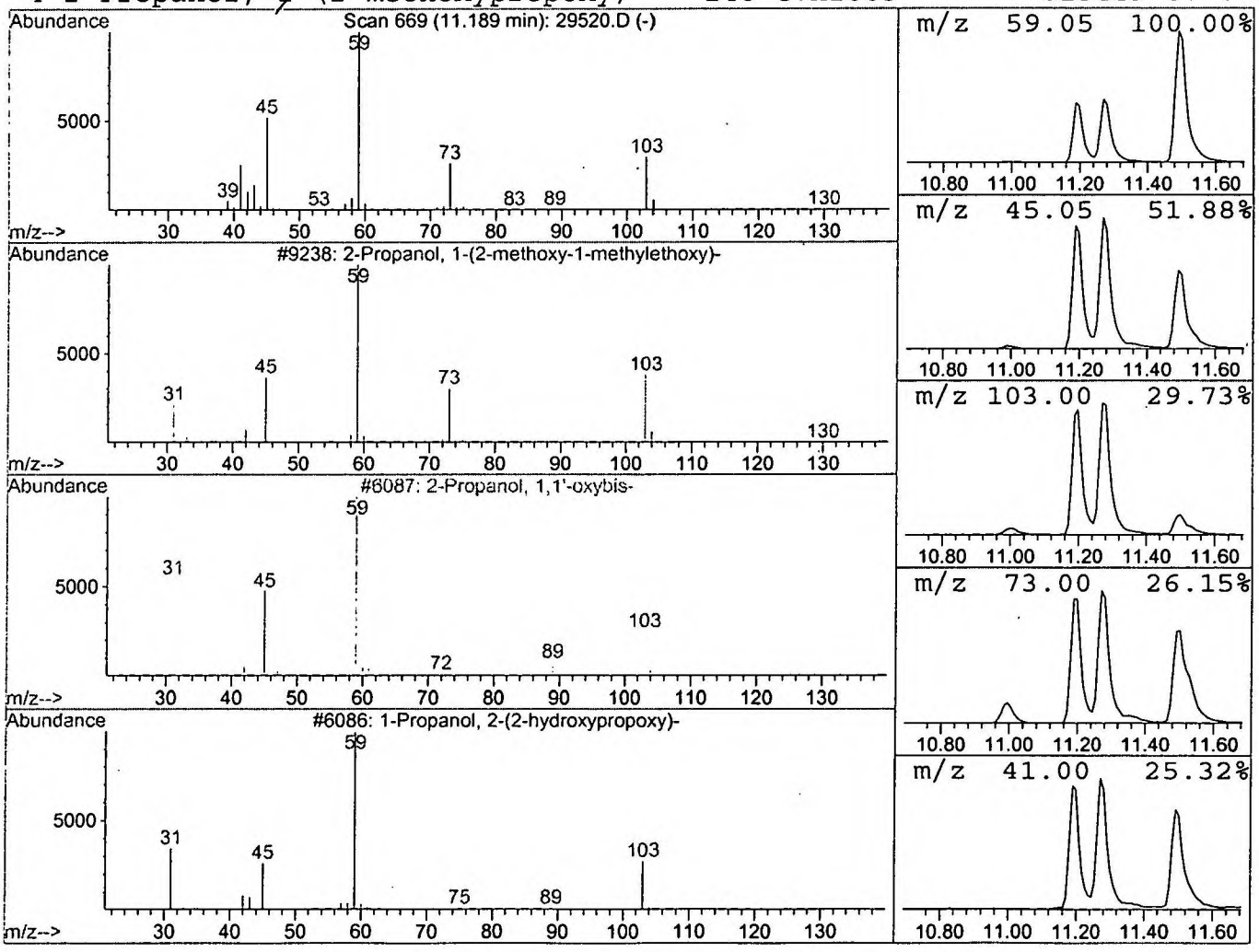
****

Peak Number 4 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.53 ug/l	1400050	1,4-Dichlorobenzene-d4	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	78
2	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	40



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MS Integration Params: LSCINT.P

Vial: 16
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Multiplr: 1.00

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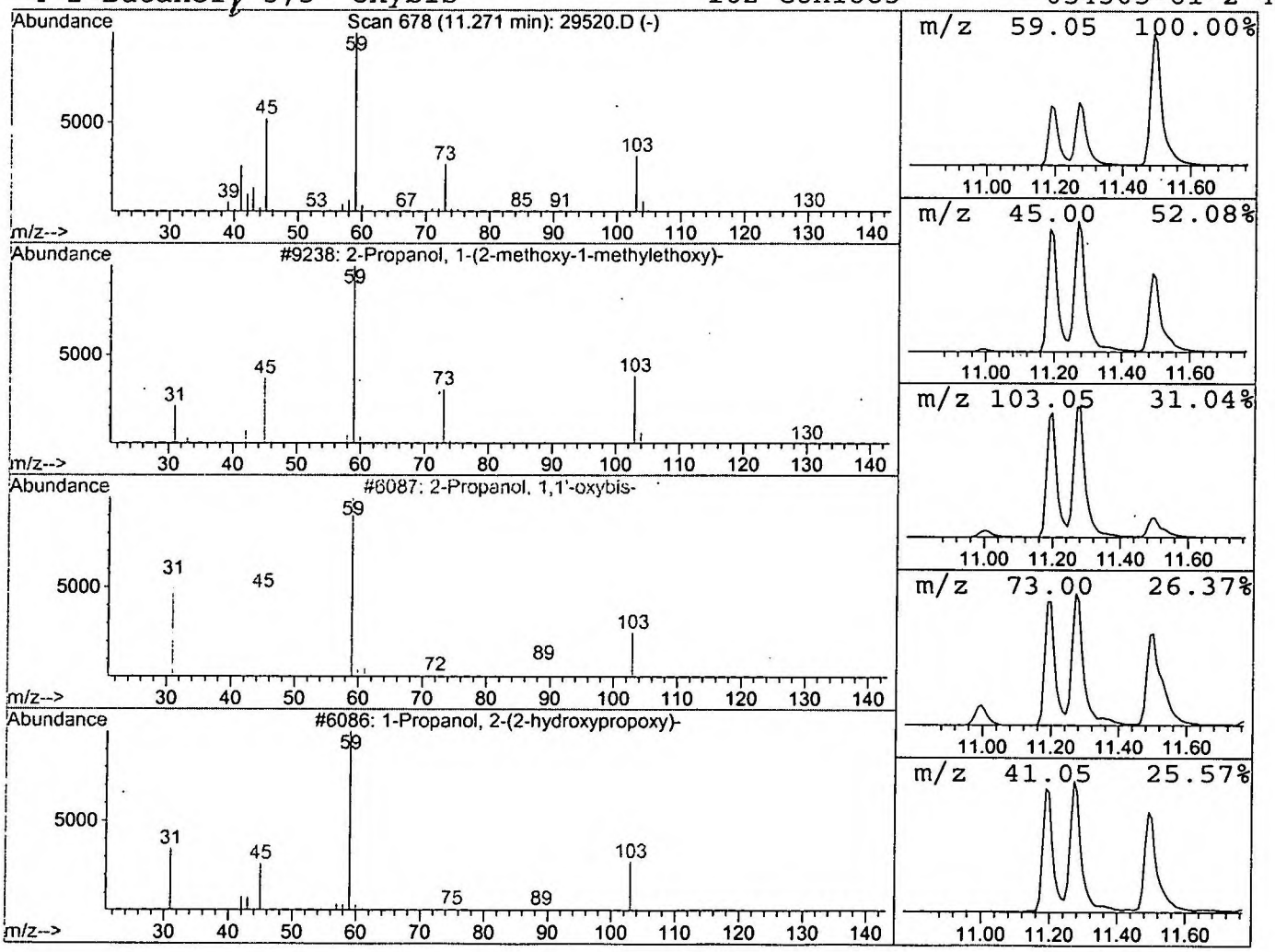
****

Peak Number 5 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.89 ug/l	1599490	1,4-Dichlorobenzene-d4	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	78
2	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45
4	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	42



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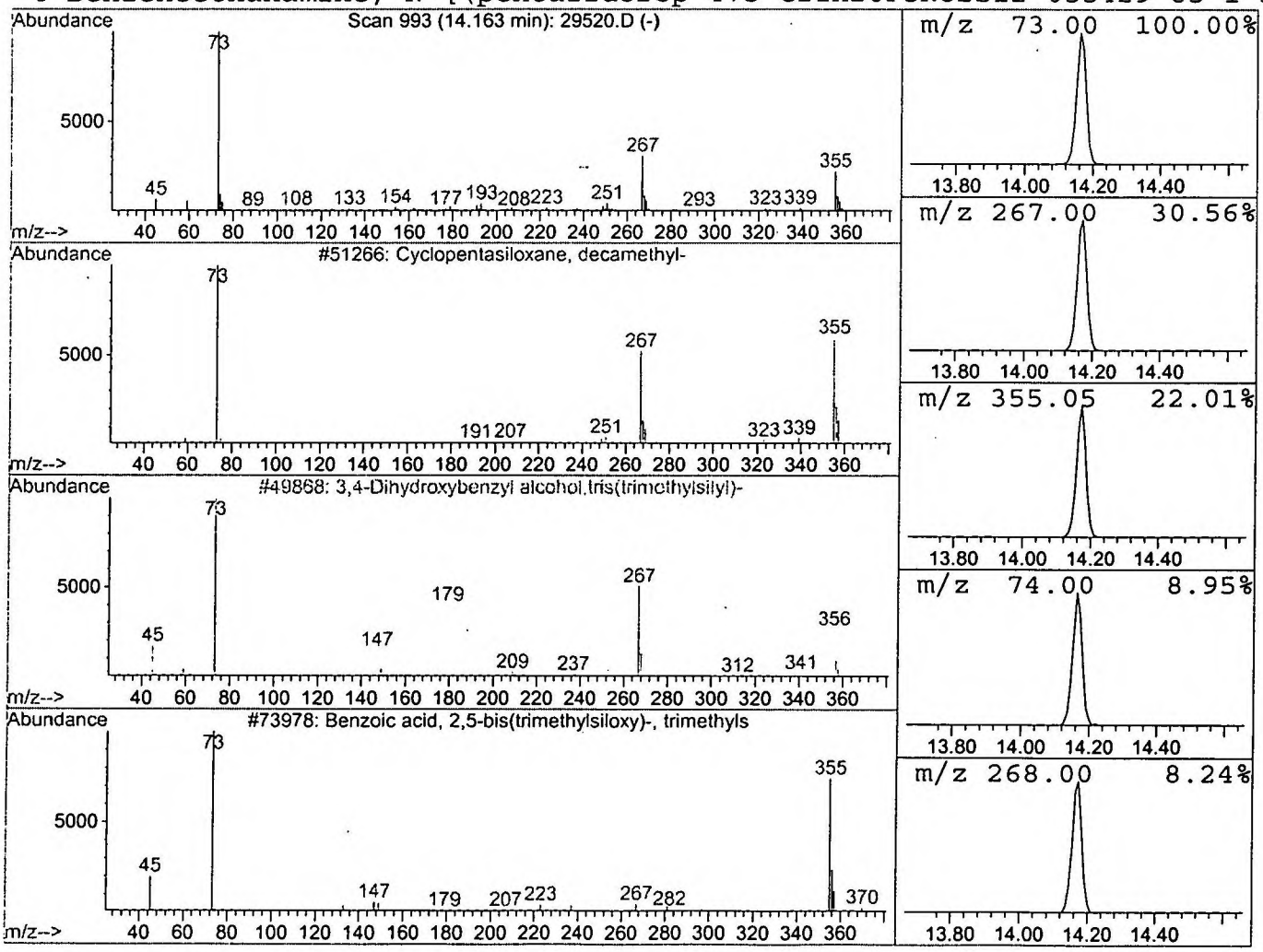
****

Peak Number 6 Cyclopentasiloxane, decamethyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	1.32 ug/l	733812	Naphthalene-d8	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	50
2	3,4-Dihydroxybenzyl alcohol,tris(tr	356	C16H32O3Si3	068595-79-9	43
3	Benzoic acid, 2,5-bis(trimethylsilo	370	C16H30O4Si3	003618-20-0	38
4	Benzeneethanamine, N-[(pentafluorop	475	C21H26F5NO2Si2	055429-85-1	32



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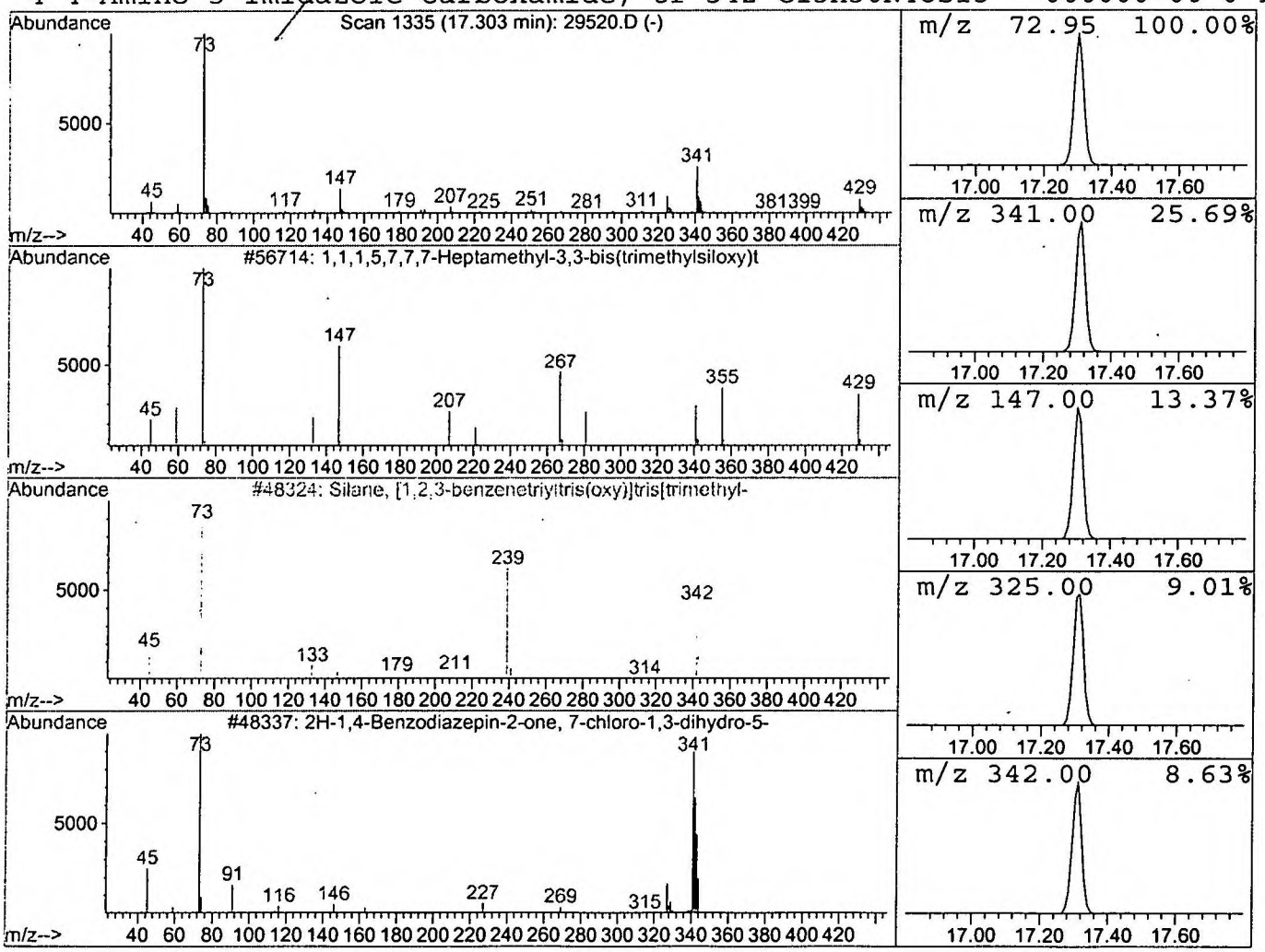
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 1,1,1,5,7,7,7-Heptamethyl-3,3- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	1.42 ug/l	789325	Naphthalene-d8	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	35
2	Silane, [1,2,3-benzenetriyltris(oxy	342	C15H30O3Si3	017864-23-2	10
3	2H-1,4-Benzodiazepin-2-one, 7-chlor	342	C18H19ClN2OSi	055299-24-6	9
4	4-Amino-5-imidazole carboxamide, tr	342	C13H30N4OSi3	000000-00-0	9



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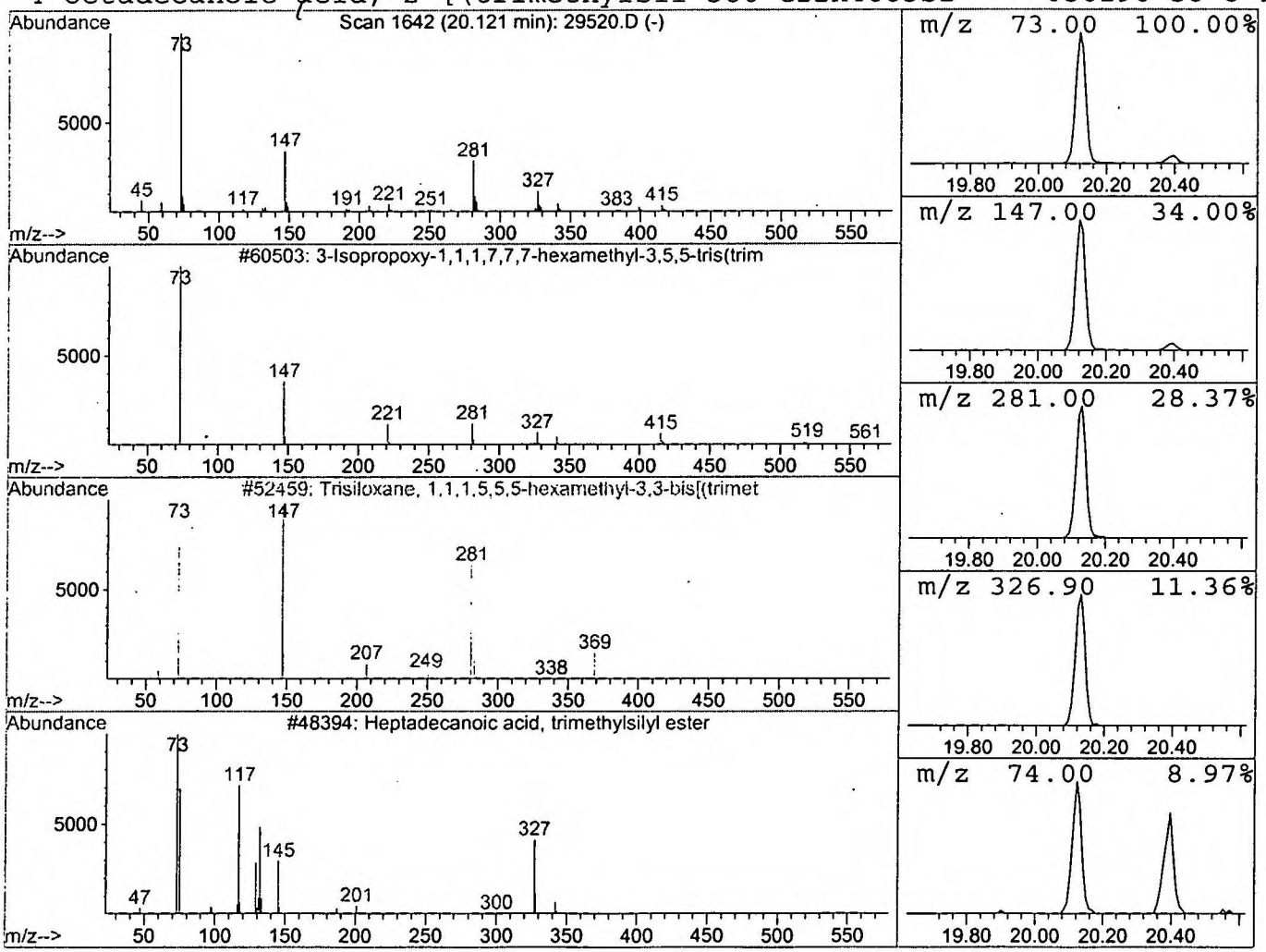
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	0.90 ug/l	526044	Acenaphthene-d10	20.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	45
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	40
3	Heptadecanoic acid, trimethylsilyl	342	C20H42O2Si	055517-58-3	9
4	Octadecanoic acid, 2-[(trimethylsil	386	C22H46O3Si	056196-58-8	9



Library Search Compound Report

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Acq On : 4 Jan 2002 1:12 am
Sample : gcms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

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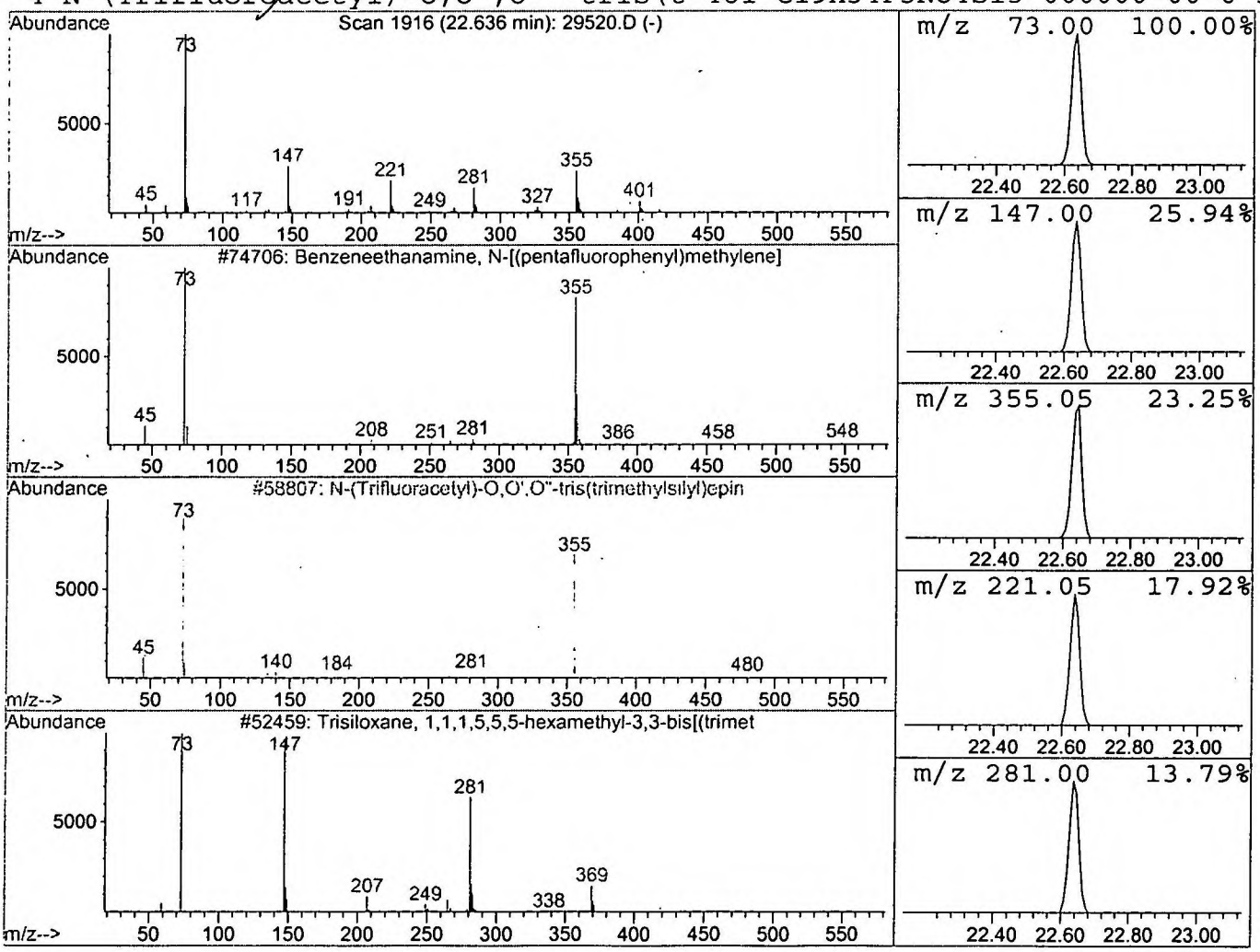
Peak Number 9 Benzeneethanamine, N-[(pentafl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.53 ug/l	299527	Phenanthrene-d10	24.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanamine, N-[(pentafluorop	563	C24H34F5NO3Si3	055429-13-5	46
2	N-(Trifluoracetyl)-O,O',O"-tris(tri	495	C20H36F3NO4Si3	000000-00-0	43
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	37
4	N-(Trifluoroacetyl)-O,O',O''-tris(t	481	C19H34F3NO4Si3	000000-00-0	37



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 4 Jan 2002 1:12 am
Data File: C:\HPCHEM\1\DATA\JAN0302\29520.D
Name: gcms scan
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Silane, tetramethyl-	7.47	2.7	ug/l	1487400	ISTD01	11.53	11055700	20.0
2-Propanone, 1,1,1-t	7.61	0.4	ug/l	223738	ISTD01	11.53	11055700	20.0
Cyclotetrasiloxane,	11.00	1.2	ug/l	660611	ISTD01	11.53	11055700	20.0
2-Propanol, 1-(2-met	11.19	2.5	ug/l	1400050	ISTD01	11.53	11055700	20.0
2-Propanol, 1-(2-met	11.27	2.9	ug/l	1599490	ISTD01	11.53	11055700	20.0
Cyclopentasiloxane,	14.16	1.3	ug/l	733812	ISTD02	15.13	11086000	20.0
1,1,1,5,7,7,7-Heptam	17.30	1.4	ug/l	789325	ISTD02	15.13	11086000	20.0
3-Isopropoxy-1,1,1,7	20.12	0.9	ug/l	526044	ISTD03	20.40	11634700	20.0
Benzeneethanamine, N	22.64	0.5	ug/l	299527	ISTD04	24.81	11283900	20.0

29520.D GCMS1126.M Tue Jan 08 10:29:22 2002