User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 17:19:44

Sample: AE02646
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/15/02 17:19 Ended: 3/15/02 17:19 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		113		5.0

Comments for Sample AE02646 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-15-2002 Time: 17:20:05

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 13 14:27 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.30	152	427724	20.00	ug/l	-0.05
10) Naphthalene-d8	15.94	136	1662803	20.00	ug/l	-0.06
17) Acenaphthene-d10	21.25	164	885814	20.00	ug/l	-0.07
29) Phenanthrene-d10	25.69	188	1367492	20.00	ug/l	-0.08
38) Chrysene-d12	33.76	240	1104011	20.00	ug/l	-0.09
44) Perylene-d12	38.03	264	820781	20.00	ug/l	-0.10
System Monitoring Compounds						
37) 2,4-DDD	30.77	235	80760	5.66	ug/mL	0.27
Spiked Amount 5.000			Recovery = 113.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	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	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	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	15.99	128	696	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	0.00	165	0	N.D.		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	22.72	149	251	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

Quantitation Report (QT Reviewed)

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Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
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Quant Time: Mar 13 14:27 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

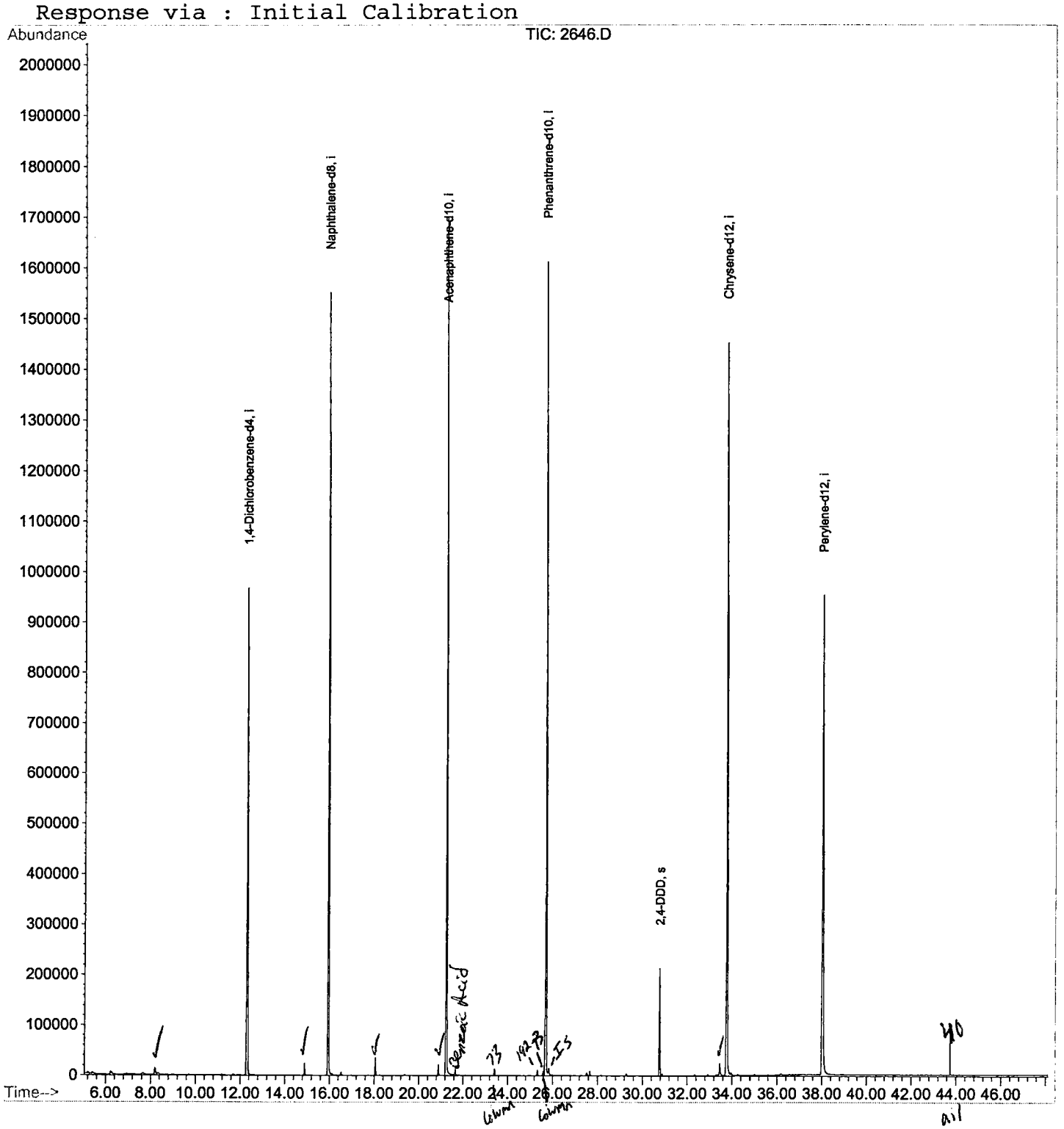
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.70	178	399	N.D.	
34)	Anthracene	25.70	178	399	N.D.	
35)	Di-n-butylphthalate	27.65	149	10166	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.76	228	2647	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.96	149	2526	N.D.	
43)	Chrysene	33.76	228	2647	N.D.	
45)	Di-n-Octylphthalate	36.16	149	1785	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	38.03	252	3121	N.D.	
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 13 14:27 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

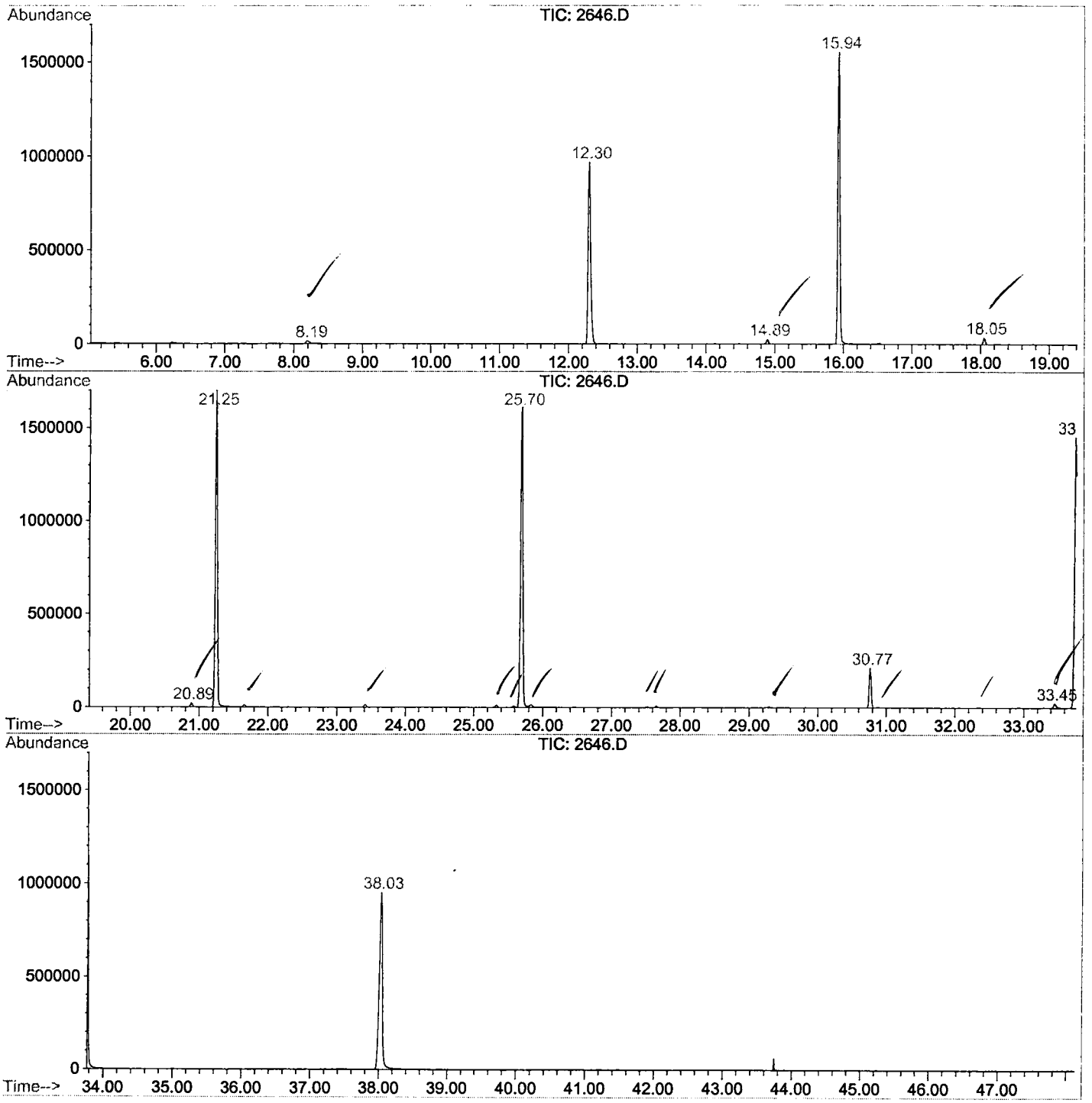
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.191	338	343	354	rBV2	14041	53047	1.49%	0.269%
2	12.303	785	791	804	rVB	967130	2424985	67.89%	12.311%
3	14.892	1068	1073	1080	rVB	24359	45082	1.26%	0.229%
4	15.939	1180	1187	1202	rBV	1551106	3218289	90.10%	16.338%
5	18.050	1413	1417	1424	rVB	35172	66121	1.85%	0.336%
6	20.887	1720	1726	1734	rBV2	21752	41264	1.16%	0.209%
7	21.245	1759	1765	1781	rBV	1700683	3489298	97.68%	17.714%
8	25.698	2242	2250	2261	rBV2	1611891	3572048	100.00%	18.134%
9	30.765	2797	2802	2809	rVB	213038	420093	11.76%	2.133%
10	33.455	3089	3095	3107	rVB	22908	61992	1.74%	0.315%
11	33.758	3117	3128	3146	rBV2	1451968	3372811	94.42%	17.123%
12	38.027	3584	3593	3614	rBV2	950597	2932914	82.11%	14.889%

Sum of corrected areas: 19697944

2646.D GCMS0208.M Wed Mar 13 14:56:05 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR0702\2646.D
Operator :
Acquired : 8 Mar 2002 7:26 am using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/5
Misc Info :
Vial Number: 19
Quant File :GCMS0208.RES (RTE Integrator)



2646.D GCMS0208.M Wed Mar 13 14:56:11 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

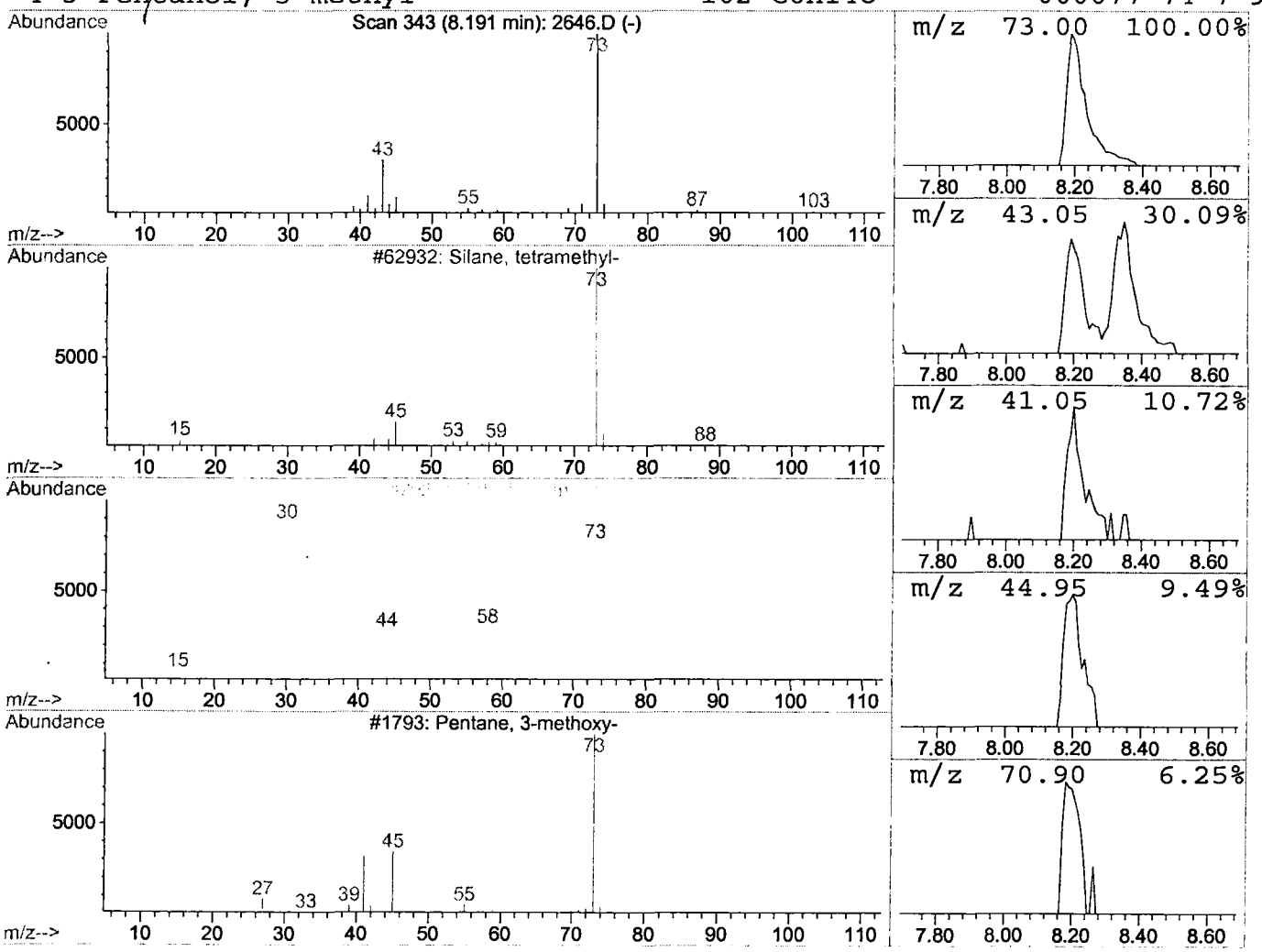
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	0.44 ug/l	53047	1,4-Dichlorobenzene-d4	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	33
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

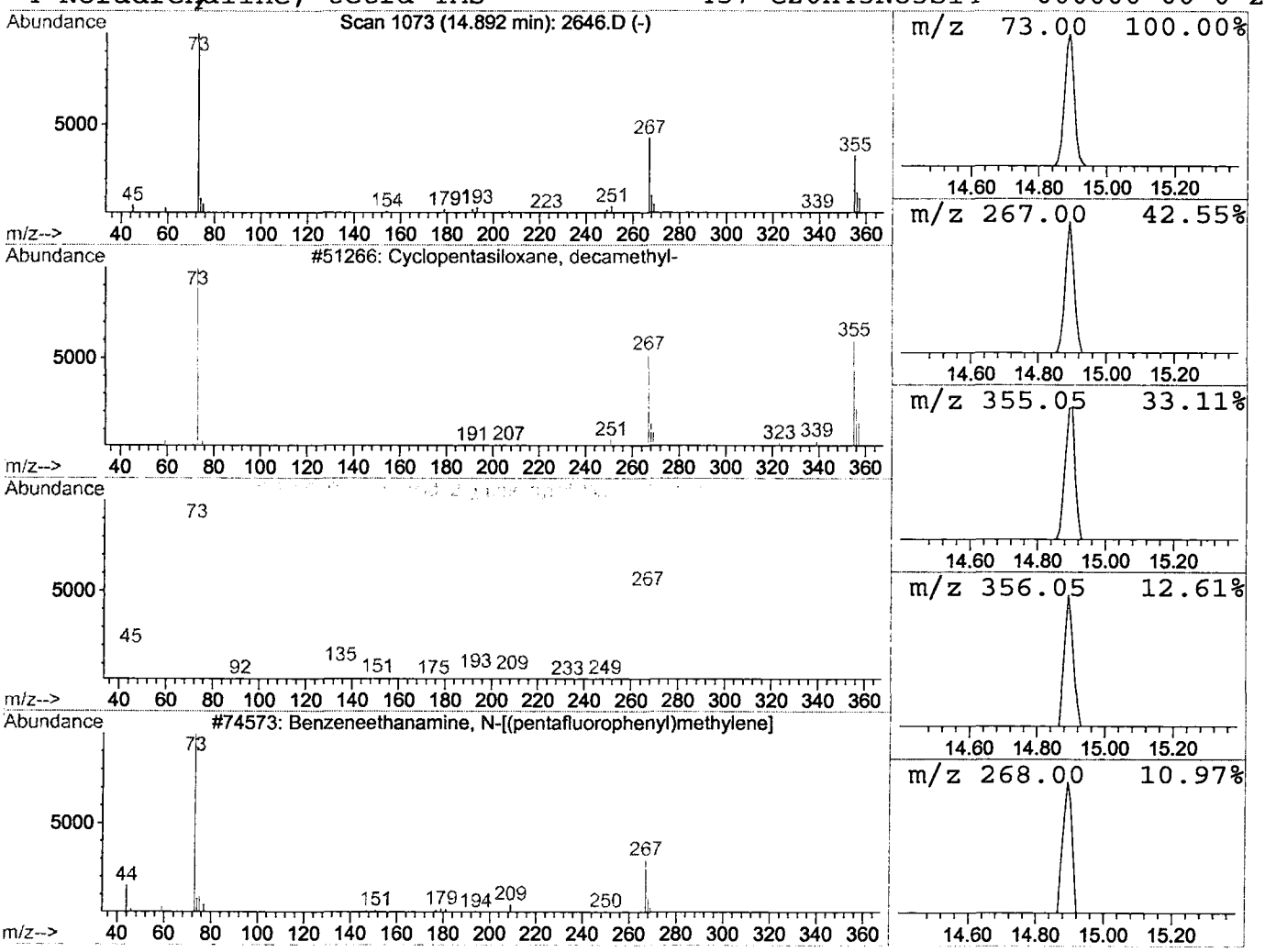
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	0.28 ug/l	45082	Naphthalene-d8	15.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	53
2	Benzoic acid, 2-[(trimethylsilyl)ox	282	C13H22O3Si2	003789-85-3	28
3	Benzeneethanamine, N-[(pentafluorop	475	C21H26F5NO2Si2	055429-85-1	28
4	Noradrenaline, tetra-TMS	457	C20H43NO3Si4	000000-00-0	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

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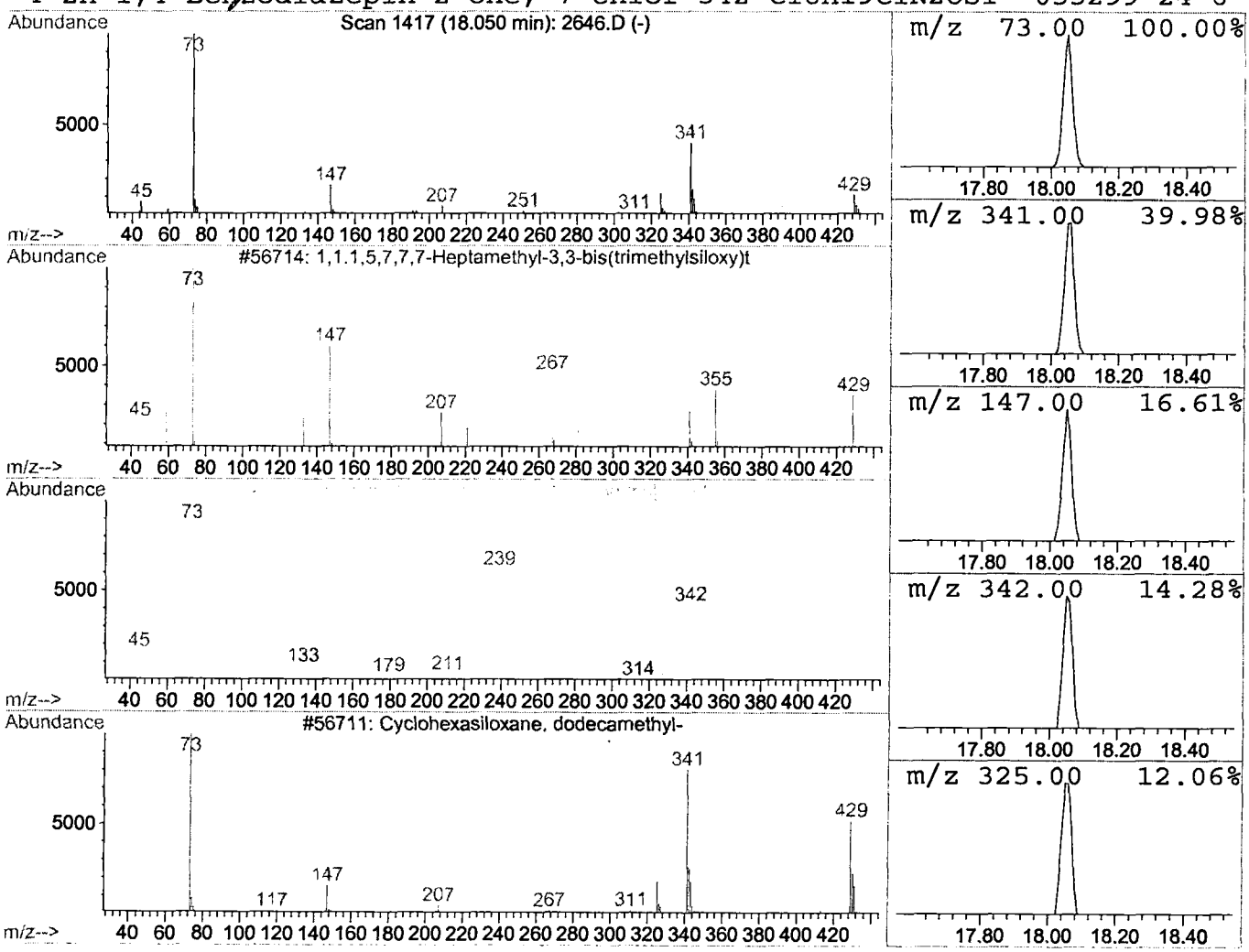
Peak Number 3 1,1,1,5,7,7,7-Heptamethyl-3,3- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	0.41 ug/l	66121	Naphthalene-d8	15.94

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	17
2	Silane, [1,2,3-benzenetriyltris(oxy	342	C15H30O3Si3	017864-23-2	9
3	Cyclohexasiloxane, dodecamethyl-	444	C12H36O6Si6	000540-97-6	9
4	2H-1,4-Benzodiazepin-2-one, 7-chlor	342	C18H19ClN2OSi	055299-24-6	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

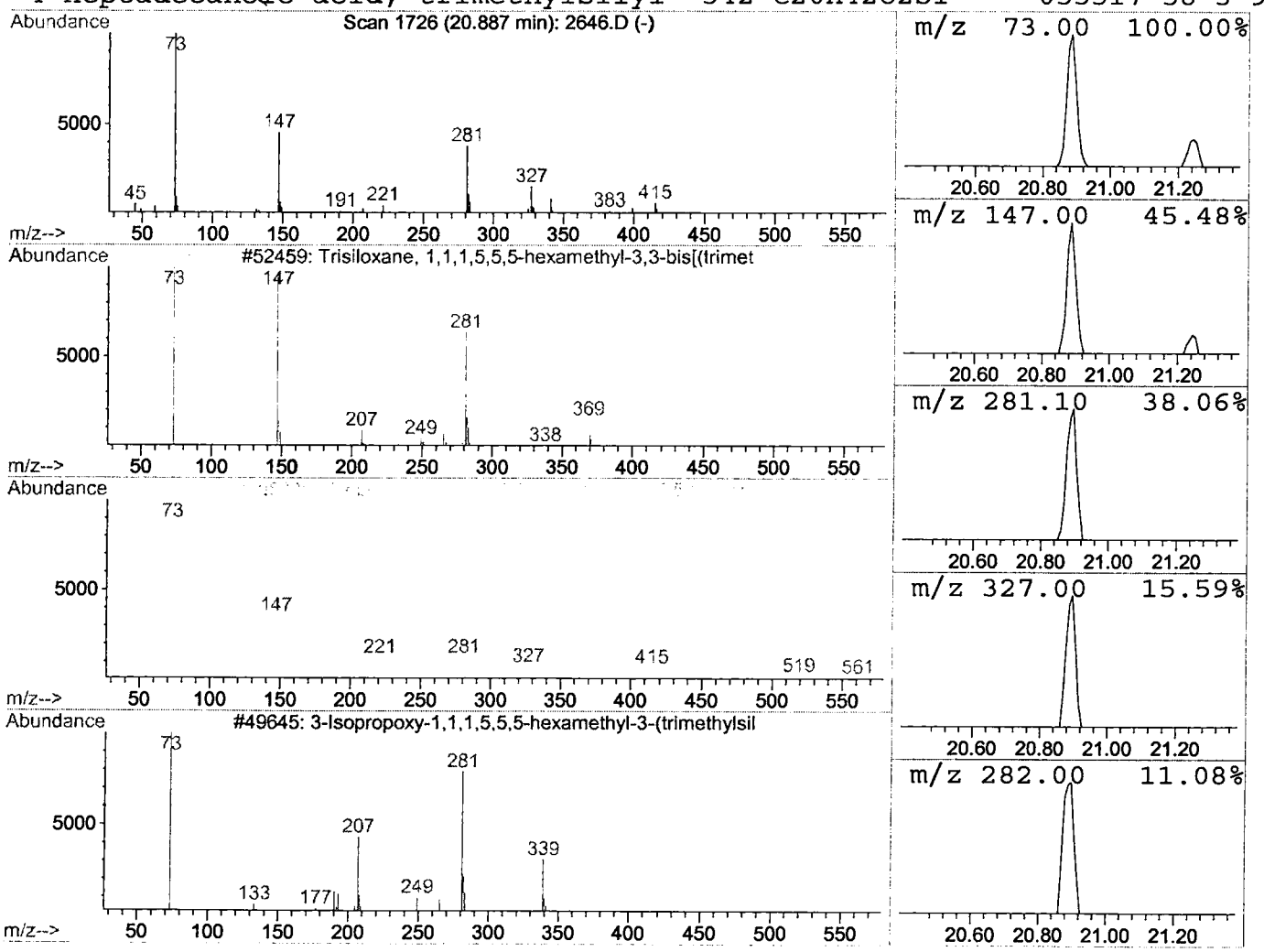
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	0.24 ug/l	41264	Acenaphthene-d10	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	50
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	42
3	3-Isopropoxy-1,1,1,5,5,5-hexamethyl	354	C12H34O4Si4	072182-11-7	9
4	Heptadecanoic acid, trimethylsilyl	342	C20H42O2Si	055517-58-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR0702\2646.D Vial: 19
Acq On : 8 Mar 2002 7:26 am Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

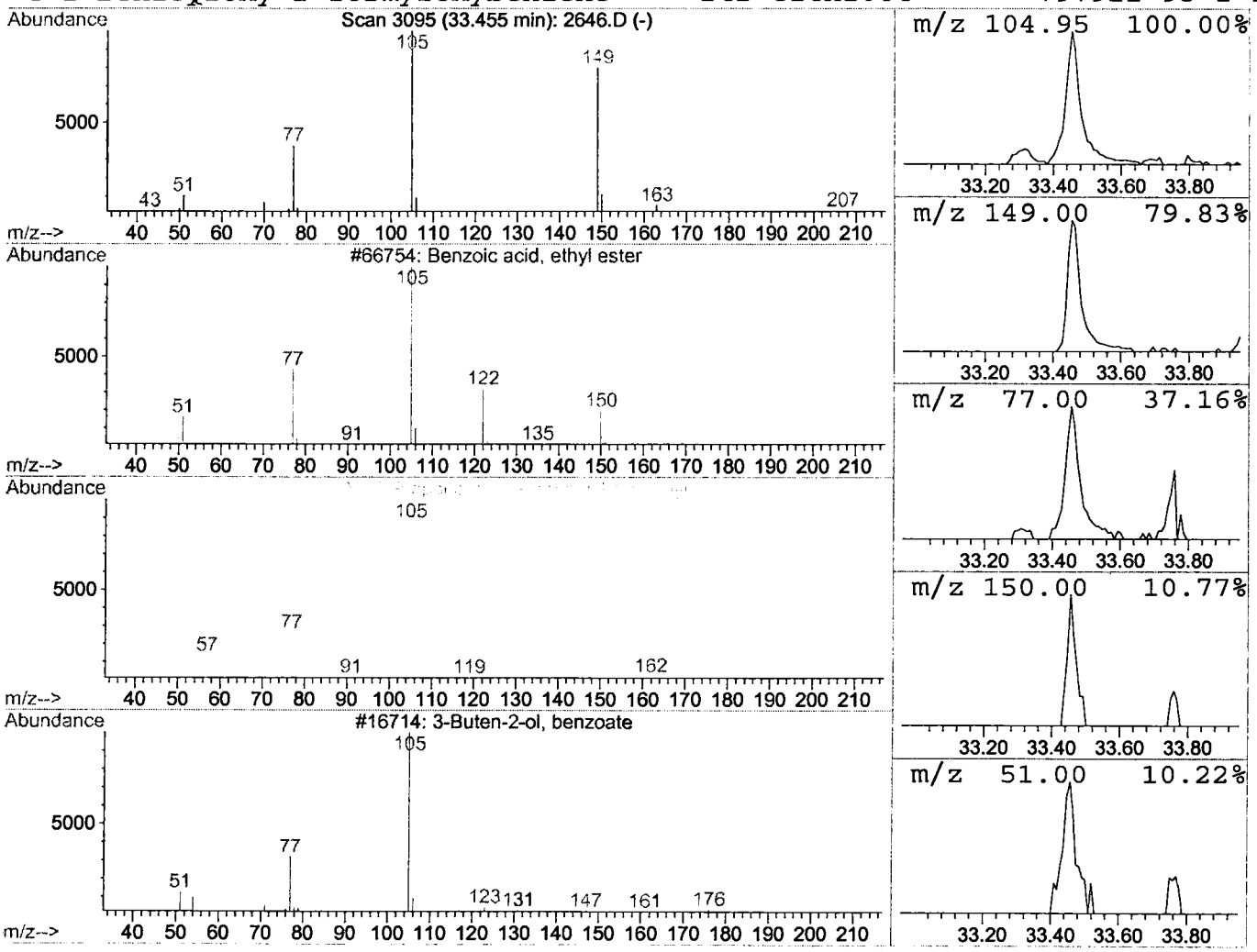
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Benzoic acid, ethyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.45	0.37 ug/l	61992	Chrysene-d12	33.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, ethyl ester	150	C9H10O2	000093-89-0	16
2	1-Propanone, 2,2-dimethyl-1-phenyl-	162	C11H14O	000938-16-9	16
3	3-Buten-2-ol, benzoate	176	C11H12O2	065001-62-9	16
4	1-Benzoyloxy-2-formyloxybenzene	242	C14H10O4	797922-93-1	16



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 8 Mar 2002 7:26 am
Data File: C:\HPCHEM\1\DATA\MAR0702\2646.D
Name: gc/ms scan 2/5
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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-	8.19	0.4	ug/l	53047	ISTD01	12.30	2424990	20.0
Cyclopentasiloxane,	14.89	0.3	ug/l	45082	ISTD02	15.94	3218290	20.0
1,1,1,5,7,7,7-Heptam	18.05	0.4	ug/l	66121	ISTD02	15.94	3218290	20.0
Trisiloxane, 1,1,1,5	20.89	0.2	ug/l	41264	ISTD03	21.25	3489300	20.0
Benzoic acid, ethyl	33.45	0.4	ug/l	61992	ISTD05	33.76	3372810	20.0

2646.D GCMS0208.M Wed Mar 13 14:56:38 2002