Comments for Sample AE02565 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-25-2002 Time: 15:06:22

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 9 of the 43 compounds in the LCS Standard were below their acceptance ranges. Because of the low Surrogate Standard recovery this sample will be reextracted and reanalyzed. The reextracted sample had a Surrogate Standard recovery of 169%.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/25/2002 Time: 15:06:24

Sample: AE02565
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 16:32 Ended: 3/7/02 16:32 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD	LSPEC	64		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR1902\2565.D Vial: 21
Acq On : 21 Mar 2002 12:43 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 13:55 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.26	152	462571	20.00	ug/l	-0.09
10) Naphthalene-d8	15.91	136	1785574	20.00	ug/l	-0.09
17) Acenaphthene-d10	21.21	164	959355	20.00	ug/l	-0.10
29) Phenanthrene-d10	25.66	188	1399160	20.00	ug/l	-0.11
38) Chrysene-d12	33.72	240	832228	20.00	ug/l	-0.13
44) Perylene-d12	37.97	264	506101	20.00	ug/l	-0.15
System Monitoring Compounds						
37) 2,4-DDD	30.73	235	85817	8.44	ug/mL	0.24
Spiked Amount 5.000			Recovery = 168.80%			
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	15.96	128	248	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	0.00	149	0	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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Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 13:55 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

	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	25.67	178	402	N.D.	
34)	Anthracene	25.67	178	402	N.D.	
35)	Di-n-butylphthalate	27.62	149	3222	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	32.15	149	142	N.D.	
41)	Benzo(a)anthracene	33.72	228	1889	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.93	149	7286	N.D.	
43)	Chrysene	33.72	228	1889	N.D.	
45)	Di-n-Octylphthalate	35.68	149	1631	N.D.	
46)	Benzo(b)fluoranthene	36.85	252	374	N.D.	
47)	Benzo(k)fluoranthene	36.85	252	374	N.D.	
48)	Benzo(a)pyrene	37.98	252	2128	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

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Acq On : 21 Mar 2002 12:43 am Operator:
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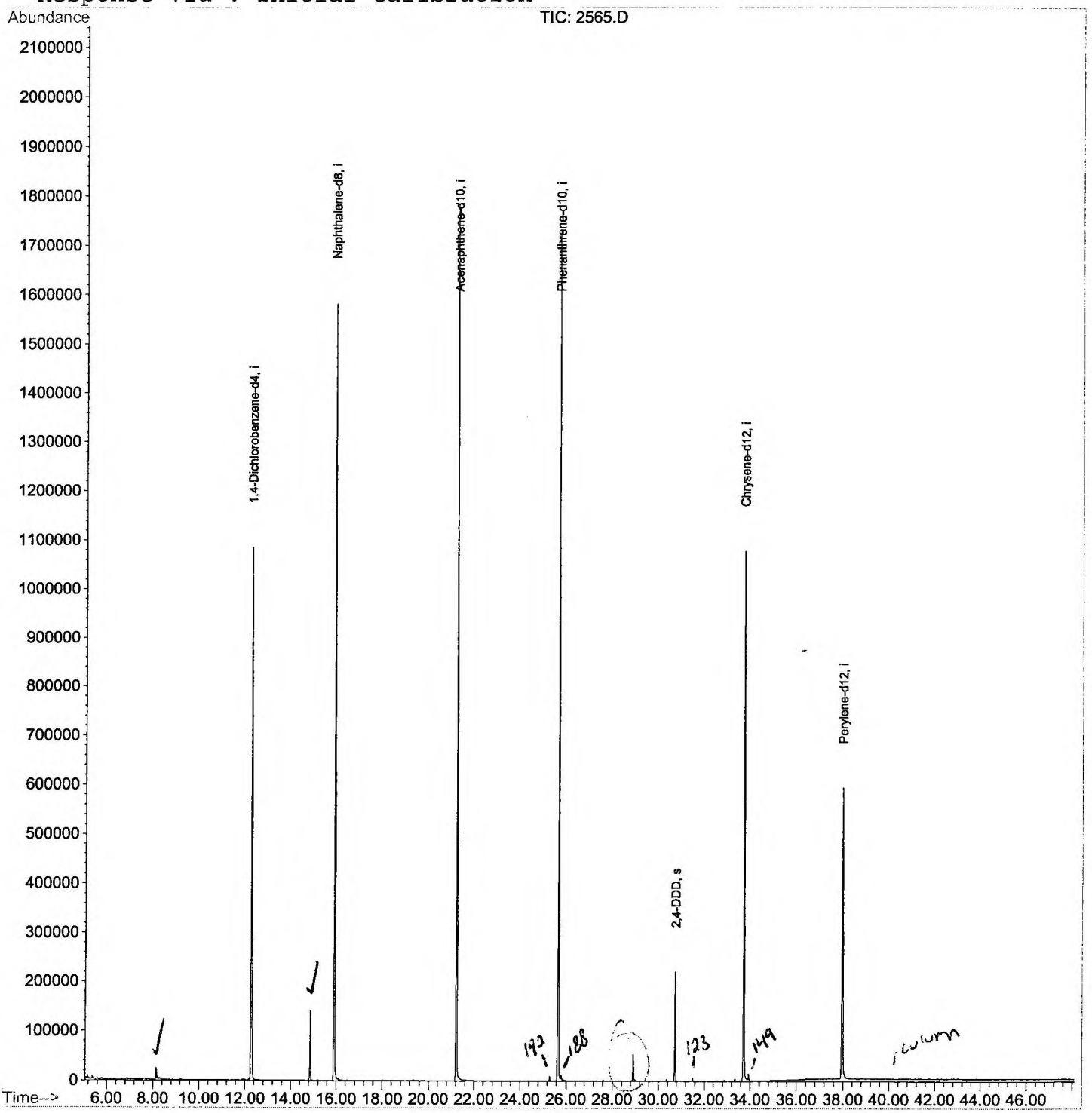
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 13:55 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2565.D Vial: 21
Acq On : 21 Mar 2002 12:43 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.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

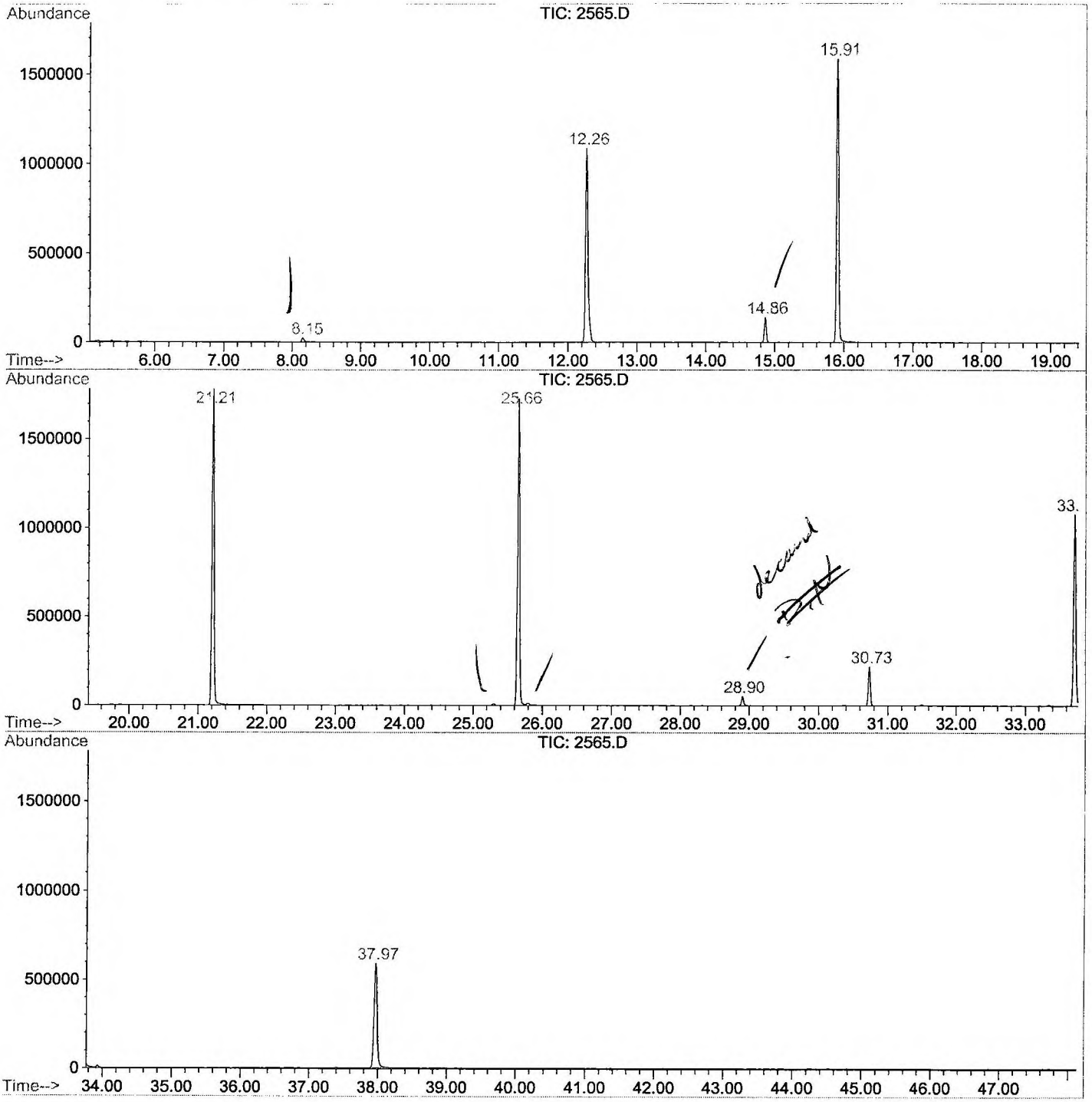
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.151	334	338	347	rBV	23311	53899	1.45%	0.294%
2	12.264	781	786	806	rVB	1084024	2555482	68.56%	13.955%
3	14.862	1064	1069	1076	rVB	140310	263538	7.07%	1.439%
4	15.909	1176	1183	1200	rBV	1582995	3399048	91.19%	18.562%
5	21.215	1754	1761	1781	rBV	1784919	3727231	100.00%	20.354%
6	25.658	2238	2245	2257	rBV2	1731295	3551736	95.29%	19.396%
7	28.899	2593	2598	2609	rBV	53018	117945	3.16%	0.644%
8	30.735	2792	2798	2806	rBV	221450	433733	11.64%	2.369%
9	33.719	3116	3123	3136	rBV2	1078216	2443192	65.55%	13.342%
10	37.969	3578	3586	3608	rBV2	589997	1765898	47.38%	9.644%

Sum of corrected areas: 18311702

2565.D GCMS0308.M Thu Mar 21 14:18:50 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR1902\2565.D
Operator :
Acquired : 21 Mar 2002 12:43 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/4
Misc Info :
Vial Number: 21
Quant File :GCMS0308.RES (RTE Integrator)



2565.D GCMS0308.M Thu Mar 21 14:18:56 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2565.D Vial: 21
Acq On : 21 Mar 2002 12:43 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

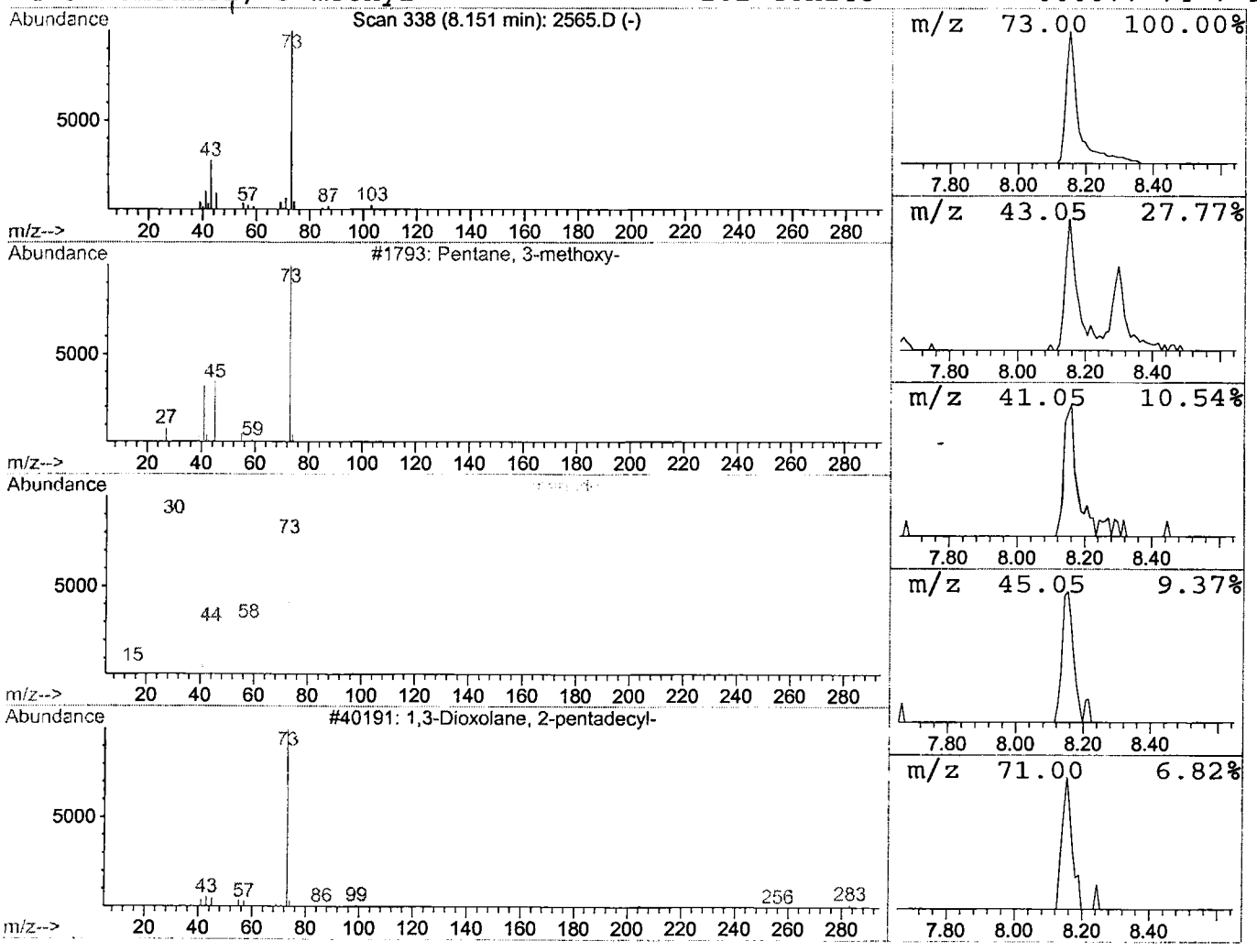
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Pentane, 3-methoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	0.42 ug/l	53899	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	25
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9



Data File : C:\HPCHEM\1\DATA\MAR1902\2565.D Vial: 21
Acq On : 21 Mar 2002 12:43 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

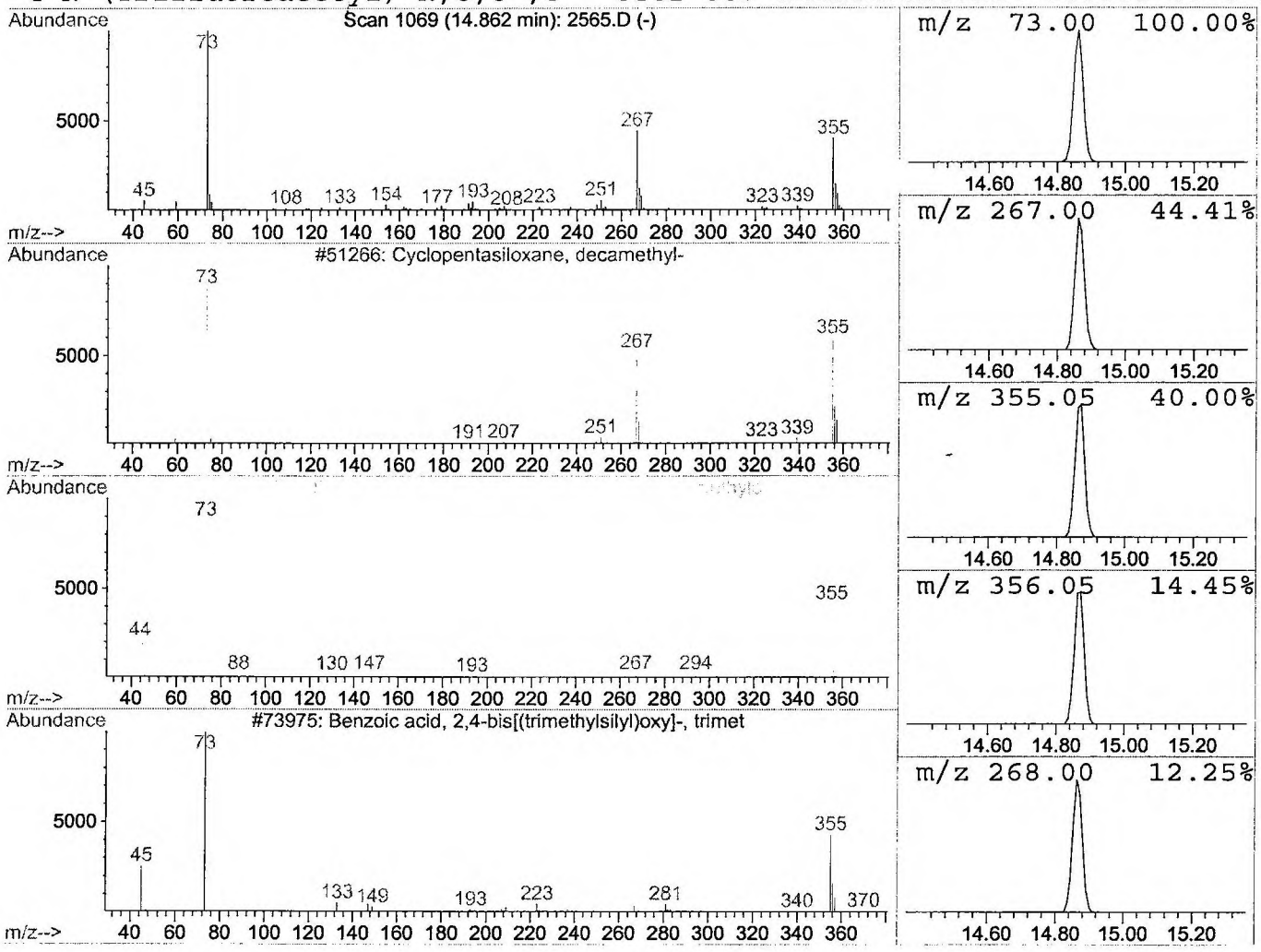
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	1.55 ug/l	263538	Naphthalene-d8	15.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	58
2	Phenethylamine, N-methyl-.beta.,3,4	399	C18H37NO3Si3	010538-85-9	37
3	Benzoic acid, 2,4-bis[(trimethylsil	370	C16H30O4Si3	010586-16-0	37
4	N-(Trifluoroacetyl)-N,O,O',O''-tetr	553	C22H42F3NO4Si4	000000-00-0	32



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2565.D Vial: 21
Acq On : 21 Mar 2002 12:43 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

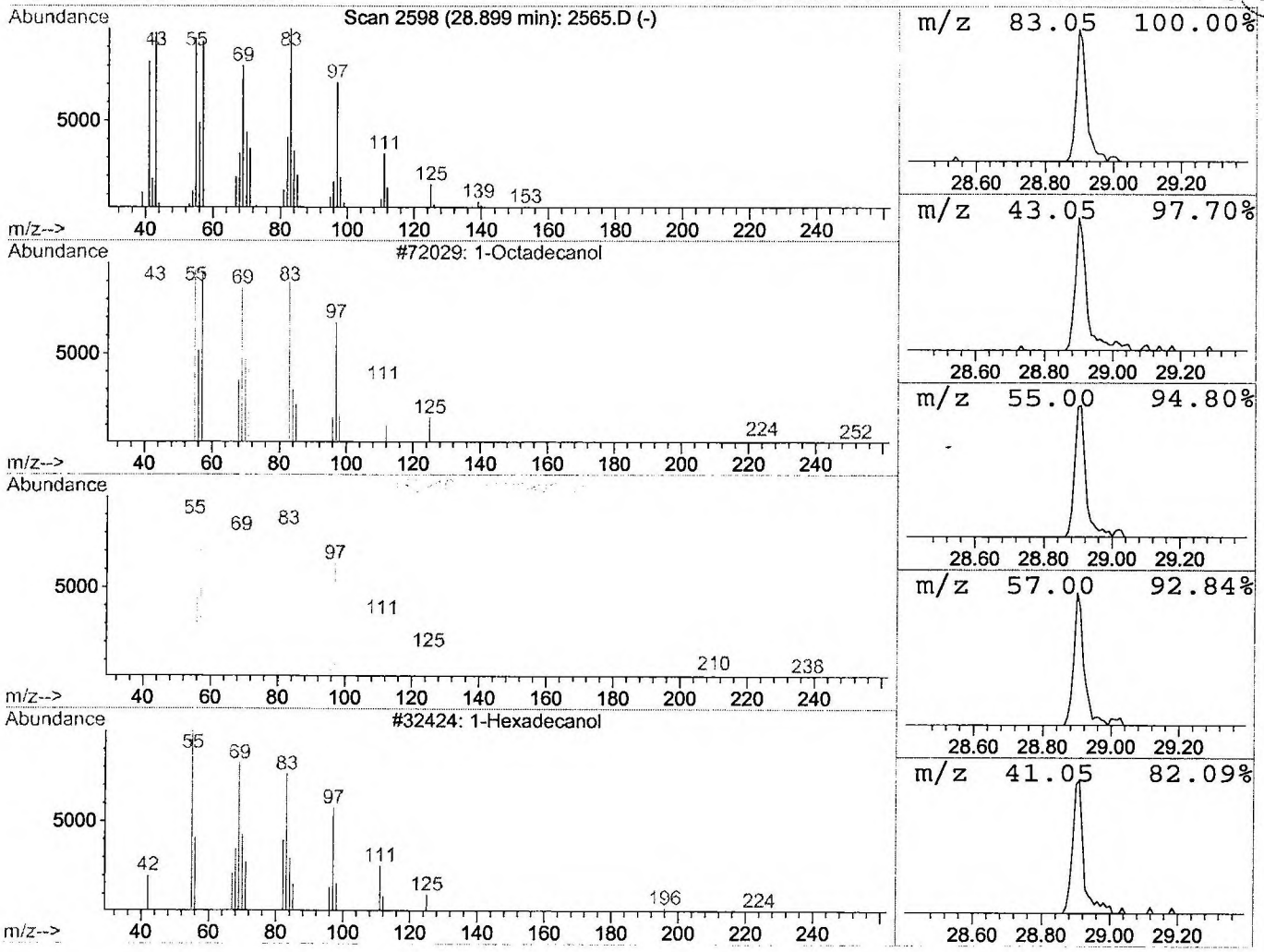
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 1-Octadecanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.90	0.66 ug/l	117945	Phenanthrene-d10	25.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanol	270	C18H38O	000112-92-5	95
2	1-Heptadecanol	256	C17H36O	001454-85-9	95
3	1-Hexadecanol	242	C16H34O	036653-82-4	95
4	1-Nonadecanol	284	C19H40O	001454-84-8	93



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 21 Mar 2002 12:43 am
Data File: C:\HPCHEM\1\DATA\MAR1902\2565.D
Name: gc/ms scan 3/4
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.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
Pentane, 3-methoxy-	8.15	0.4	ug/l	53899	ISTD01	12.26	2555480	20.0
Cyclopentasiloxane,	14.86	1.6	ug/l	263538	ISTD02	15.91	3399050	20.0
1-Octadecanol	28.90	0.7	ug/l	117945	ISTD04	25.66	3551740	20.0

2565.D GCMS0308.M Thu Mar 21 14:19:13 2002