User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/22/2002 Time: 14:52:18

Sample: AE08216
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/22/02 14:52 Ended: 4/22/02 14:52 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		79		10.0

Comments for Sample AE08216 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-22-2002 Time: 14:53:18

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1702\8216.D Vial: 27
Acq On : 18 Apr 2002 9:35 am Operator:
Sample : gc/ms scan 4/8 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 14:08 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.21	152	518474	20.00	ug/l	-0.03
10) Naphthalene-d8	15.84	136	1879769	20.00	ug/l	-0.03
17) Acenaphthene-d10	21.15	164	1055633	20.00	ug/l	-0.02
30) Phenanthrene-d10	25.58	188	1538579	20.00	ug/l	-0.03
39) Chrysene-d12	33.64	240	995353	20.00	ug/l	-0.03
45) Perylene-d12	37.87	264	670728	20.00	ug/l	-0.05
System Monitoring Compounds						
28) TCMX	23.29	209	41907	7.92	ug/L	-0.04
Spiked Amount 10.000			Recovery = 79.20%			
38) 2,4-DDD	0.00	235	0	0.00	ug/mL	
Spiked Amount 5.000			Recovery = 0.00%			
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	0.00	128	0	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	22.63	149	223	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
29) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	0.00	168	0	N.D.		
32) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		

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

Quantitation Report (QT Reviewed)

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Acq On : 18 Apr 2002 9:35 am Operator:
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Misc : Multiplr: 1.00
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Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

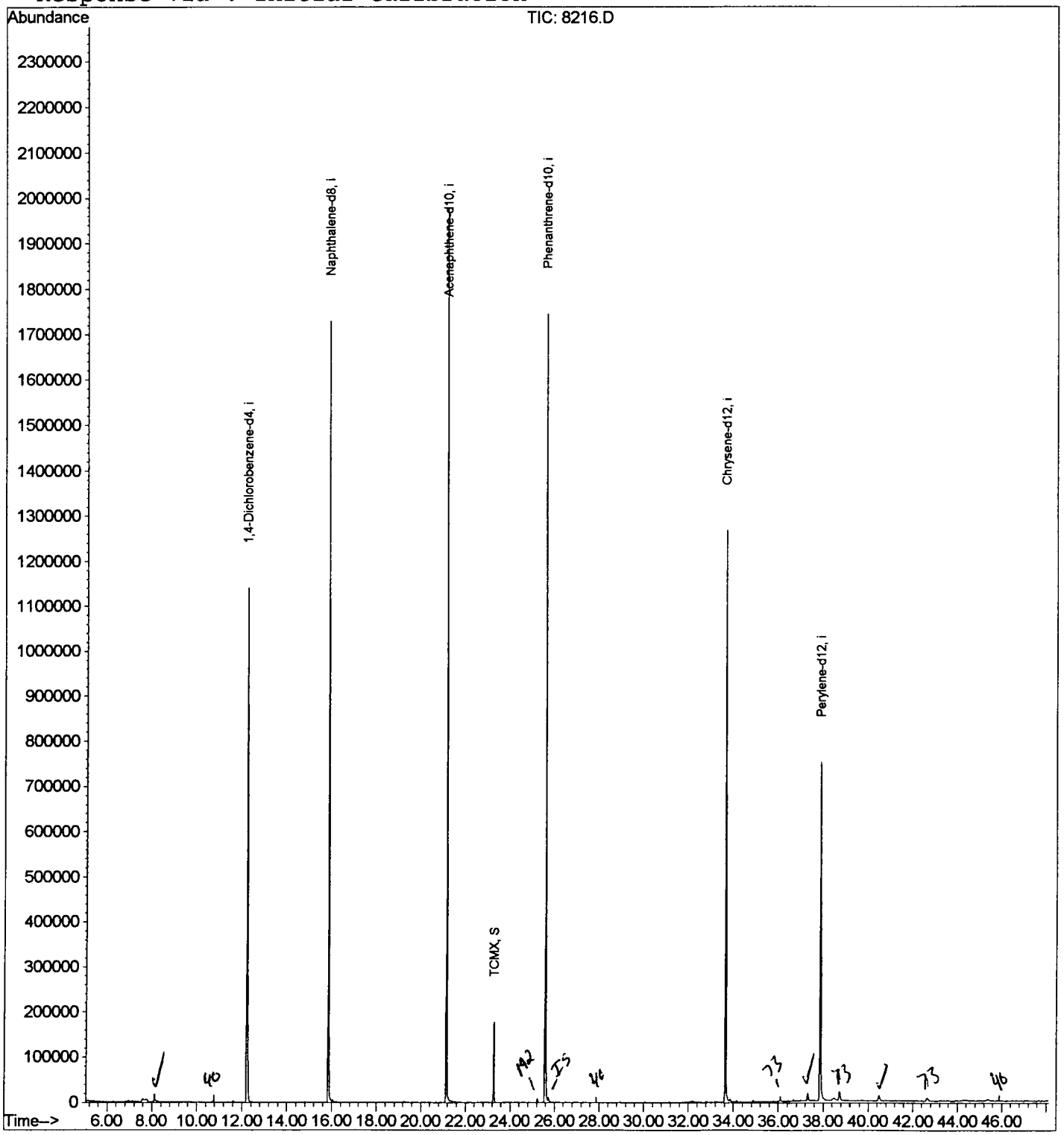
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Hexachlorobenzene	0.00	284	0	N.D.	
34)	Phenanthrene	25.59	178	471	N.D.	
35)	Anthracene	25.59	178	471	N.D.	
36)	Di-n-butylphthalate	27.56	149	1597	N.D.	
37)	Fluoranthene	0.00	202	0	N.D.	
40)	Pyrene	0.00	202	0	N.D.	
41)	Butylbenzylphthalate	0.00	149	0	N.D.	
42)	Benzo(a)anthracene	33.64	228	2409	N.D.	
43)	Bis(2-ethylhexyl)phthalate	33.85	149	3627	N.D.	
44)	Chrysene	33.64	228	2409	N.D.	
46)	Di-n-Octylphthalate	0.00	149	0	N.D.	
47)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
49)	Benzo(a)pyrene	37.88	252	2660	N.D.	
50)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
51)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
52)	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\APR1702\8216.D Vial: 27
Acq On : 18 Apr 2002 9:35 am Operator:
Sample : gc/ms scan 4/8 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 14:08 2002 Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR1702\8216.D Vial: 27
Acq On : 18 Apr 2002 9:35 am Operator:
Sample : gc/ms scan 4/8 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0412.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

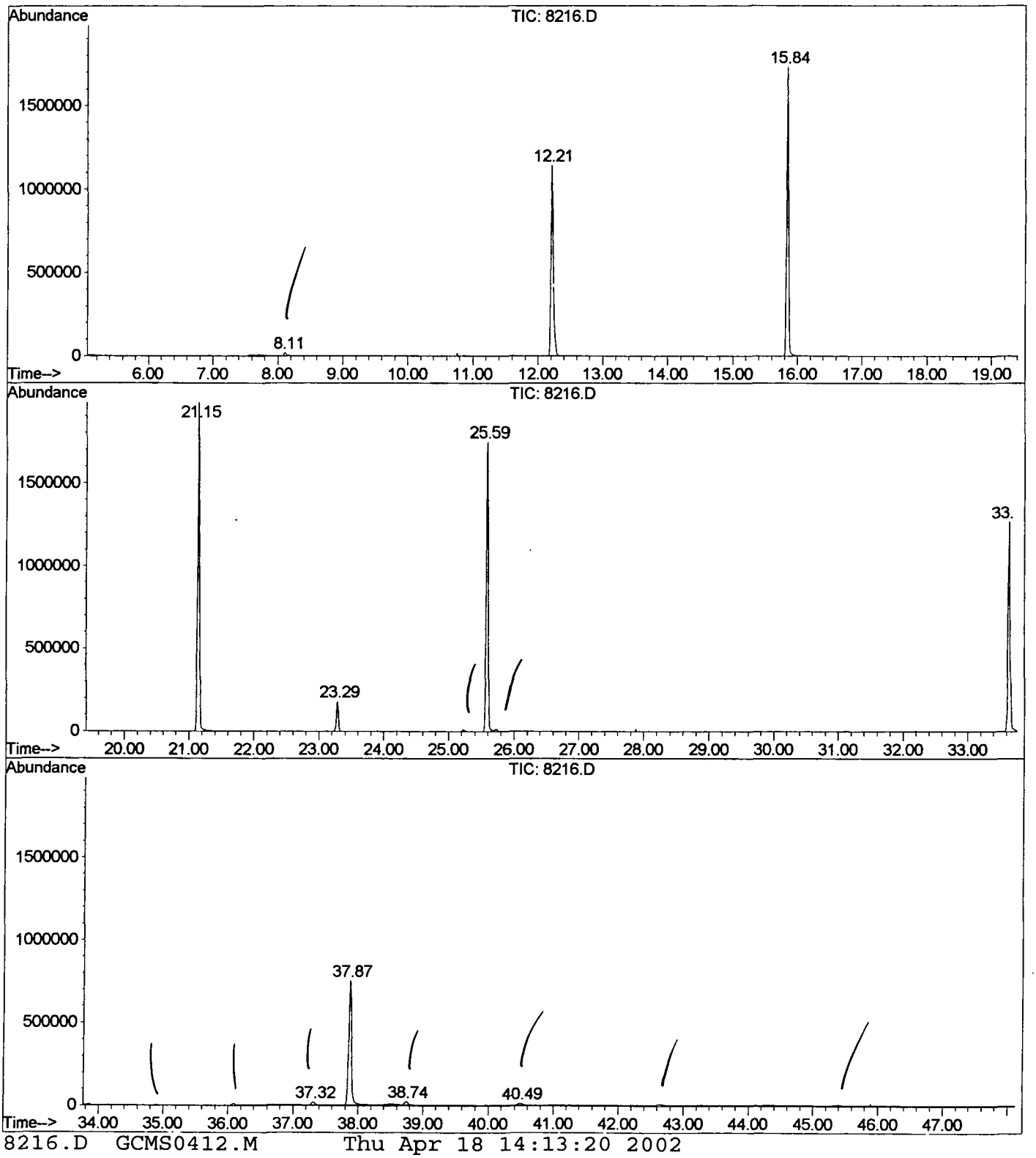
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.113	330	334	344	rBV	17524	42883	1.08%	0.216%
2	12.208	775	780	800	rBV	1139915	2778150	69.68%	13.991%
3	15.843	1170	1176	1192	rBV	1729902	3538269	88.74%	17.820%
4	21.149	1747	1754	1772	rBV	1980225	3987291	100.00%	20.081%
5	23.288	1978	1987	1992	rBV	178115	366187	9.18%	1.844%
6	25.593	2231	2238	2249	rBV2	1745110	3849599	96.55%	19.388%
7	33.644	3107	3115	3134	rBV	1268803	2867347	71.91%	14.441%
8	37.316	3508	3515	3522	rBV2	16684	50766	1.27%	0.256%
9	37.867	3567	3575	3590	rBV2	749202	2247278	56.36%	11.318%
10	38.739	3663	3670	3685	rVB3	19302	79056	1.98%	0.398%
11	40.492	3852	3861	3870	rBV6	11359	49244	1.24%	0.248%

Sum of corrected areas: 19856070

8216.D GCMS0412.M Thu Apr 18 14:13:19 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR1702\8216.D
Operator :
Acquired : 18 Apr 2002 9:35 am using AcqMethod GCMS0412
Instrument : 209
Sample Name: gc/ms scan 4/8 fb
Misc Info :
Vial Number: 27
Quant File :GCMS0412.RES (RTE Integrator)



8216.D GCMS0412.M Thu Apr 18 14:13:20 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8216.D Vial: 27
Acq On : 18 Apr 2002 9:35 am Operator:
Sample : gc/ms scan 4/8 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

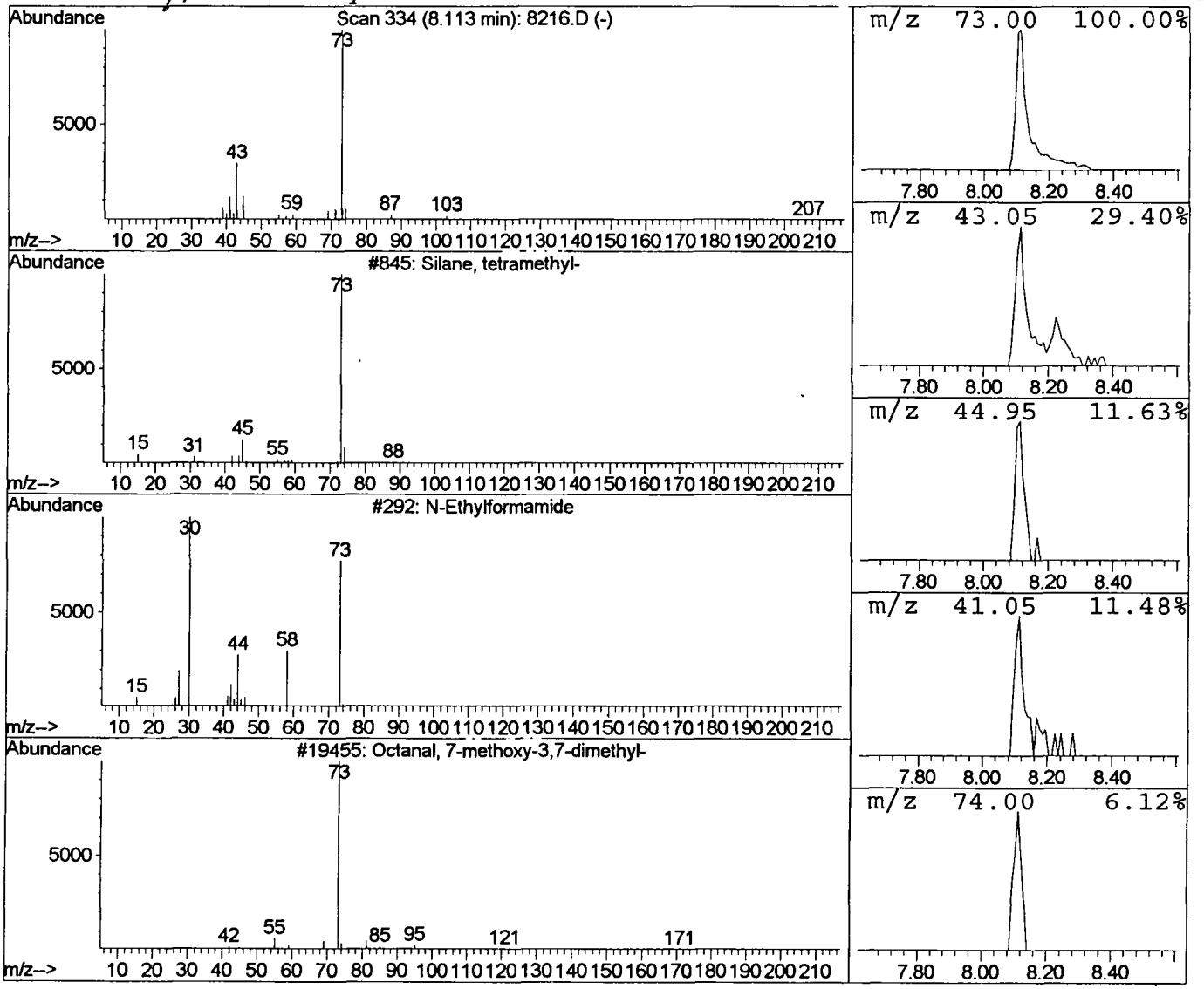
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	0.31 ug/l	42883	1,4-Dichlorobenzene-d4	12.21

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	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8216.D Vial: 27
Acq On : 18 Apr 2002 9:35 am Operator:
Sample : gc/ms scan 4/8 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

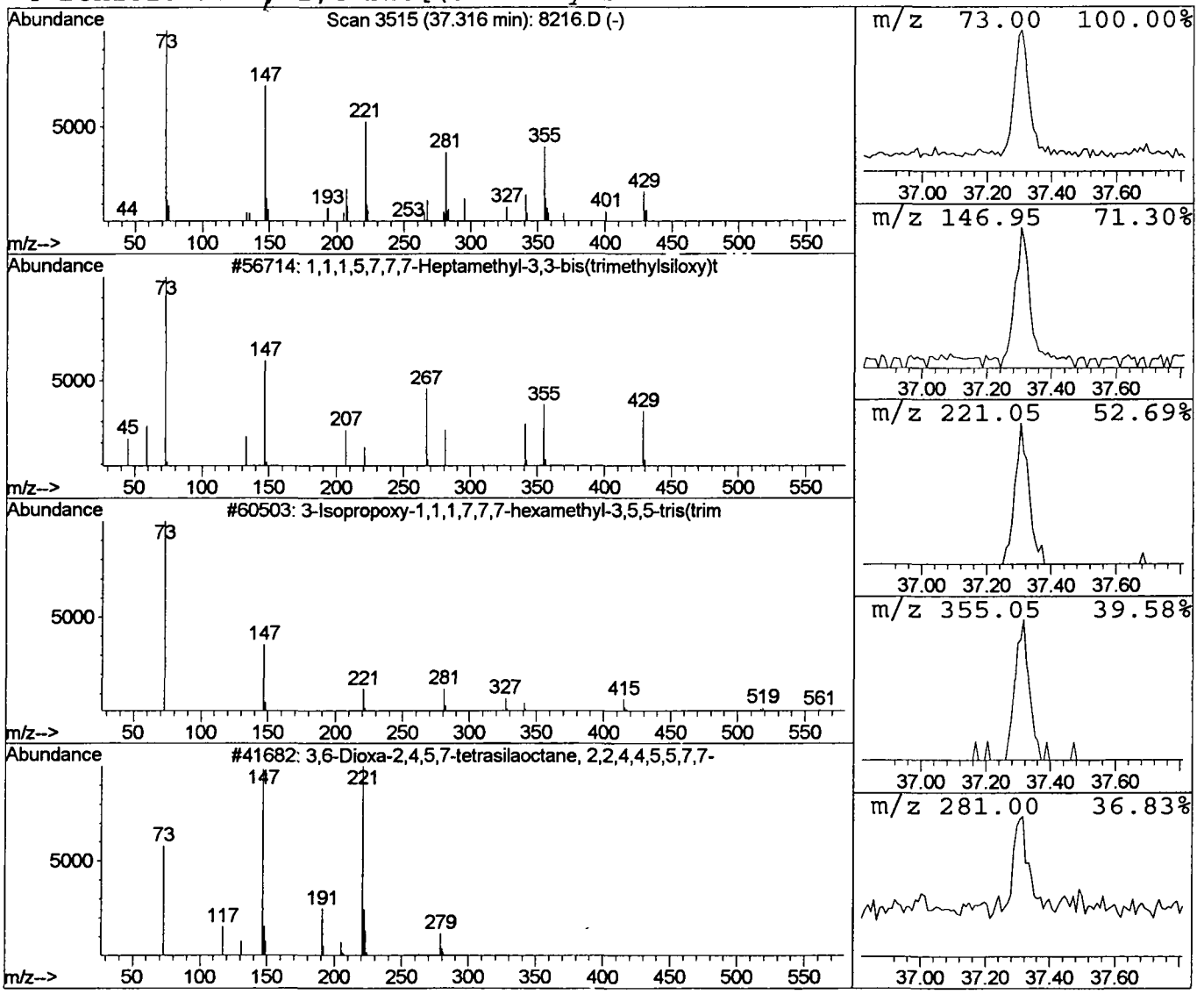
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.32	0.45 ug/l	50766	Perylene-d12	37.87

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	40
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	17
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	16
4	Benzoic acid, 2,4-bis[(trimethylsil	370	C16H30O4Si3	010586-16-0	14



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8216.D
Acq On : 18 Apr 2002 9:35 am
Sample : gc/ms scan 4/8 fb
Misc :
MS Integration Params: LSCINT.P

Vial: 27
Operator:
Inst : 209
Multiplr: 1.00

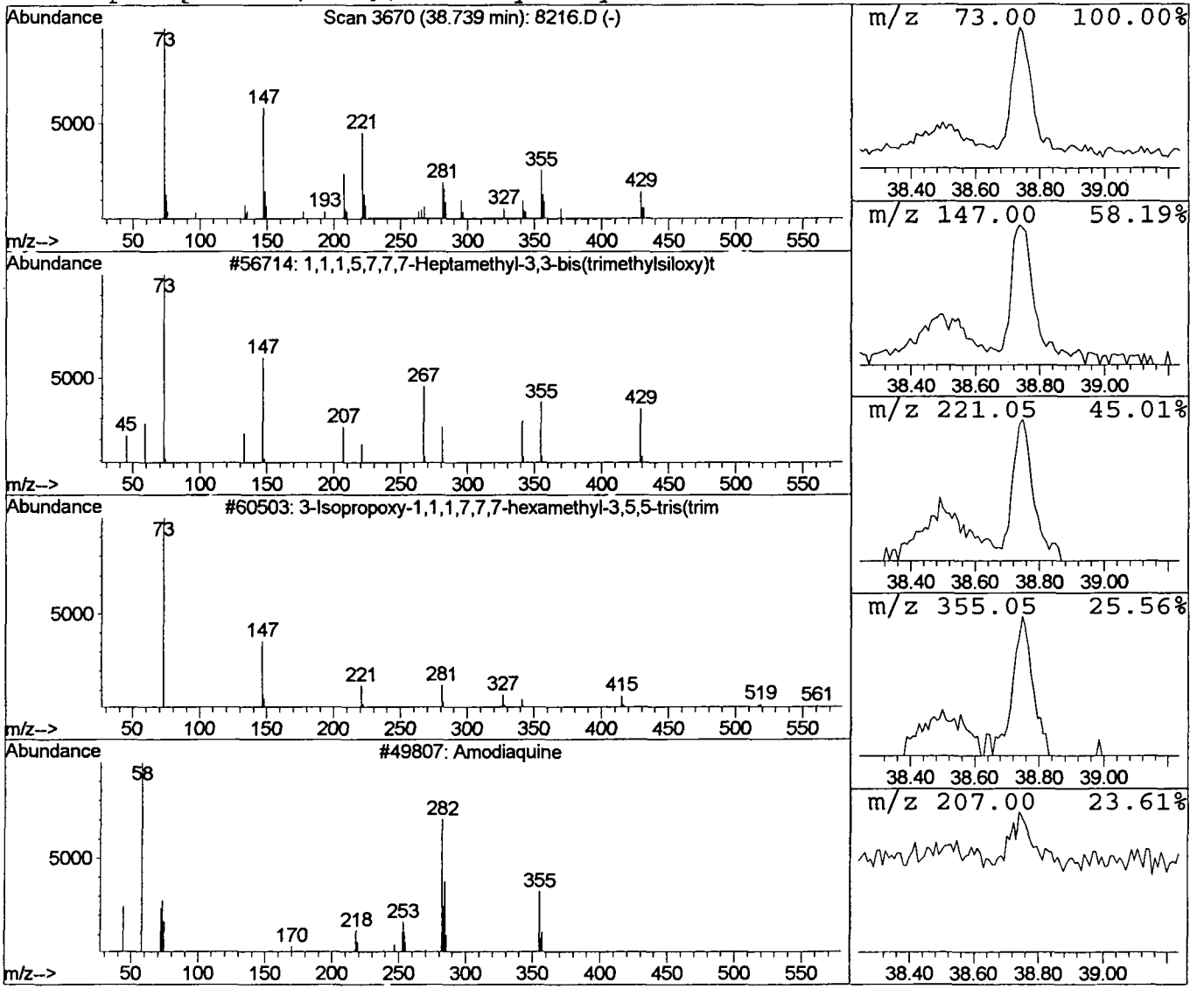
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.74	0.70 ug/l	79056	Perylene-d12	37.87

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	25
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	17
3	Amodiaquine	355	C20H22ClN3O	000086-42-0	9
4	Propanoic acid, 2-[(trimethylsilyl)	234	C9H22O3Si2	017596-96-2	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8216.D
Acq On : 18 Apr 2002 9:35 am
Sample : gc/ms scan 4/8 fb
Misc :
MS Integration Params: LSCINT.P

Vial: 27
Operator:
Inst : 209
Multiplr: 1.00

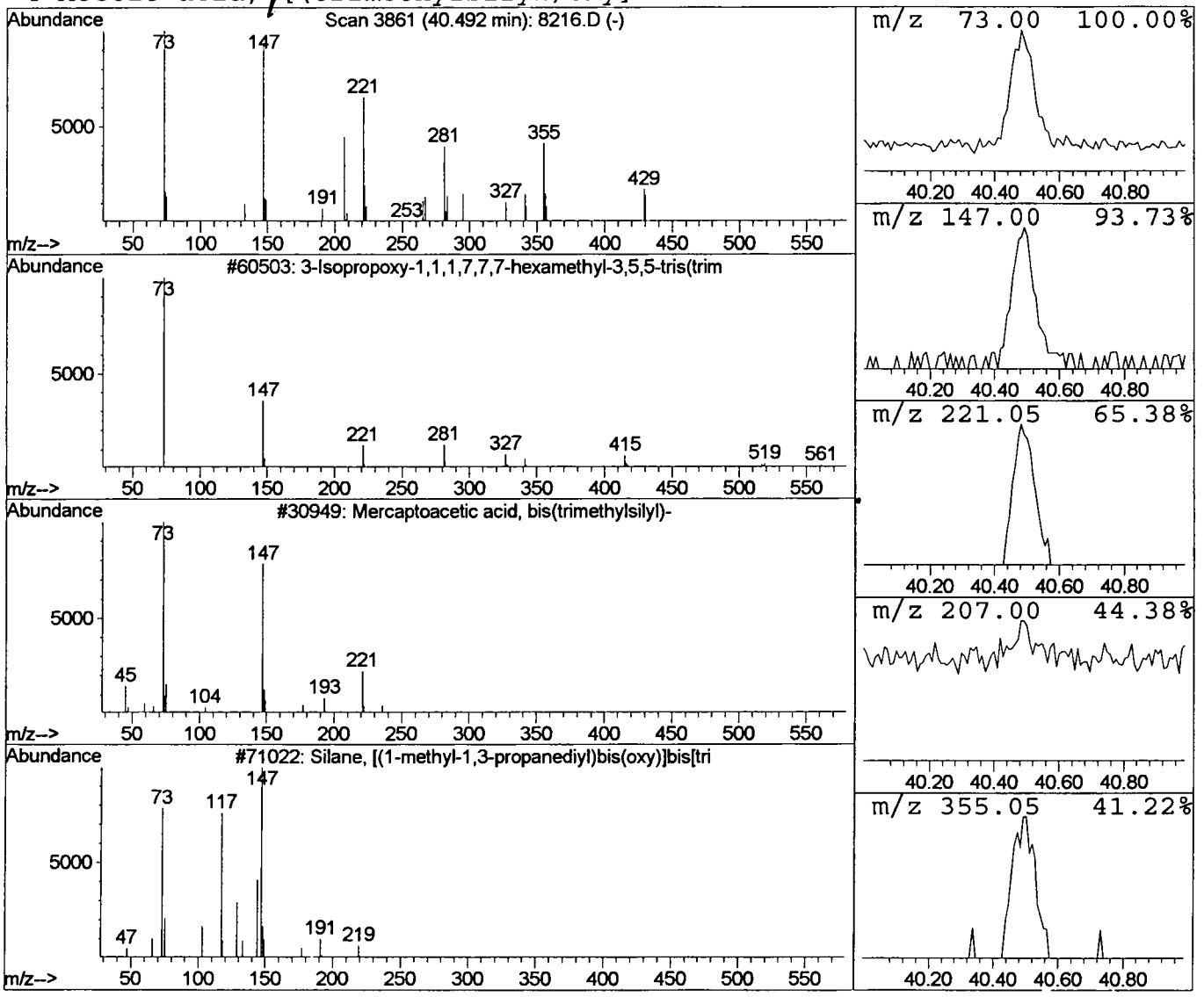
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
40.49	0.44 ug/l	49244	Perylene-d12	37.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
2	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	22
3	Silane, [(1-methyl-1,3-propanediyl)	234	C10H26O2Si2	056771-47-2	10
4	Acetic acid, [(trimethylsilyl)oxy]-	220	C8H20O3Si2	033581-77-0	10



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 18 Apr 2002 9:35 am
Data File: C:\HPCHEM\1\DATA\APR1702\8216.D
Name: gc/ms scan 4/8 fb
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0412.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-	8.11	0.3	ug/l	42883	ISTD01	12.21	2778150	20.0
1,1,1,5,7,7,7-Heptam	37.32	0.5	ug/l	50766	ISTD06	37.87	2247280	20.0
1,1,1,5,7,7,7-Heptam	38.74	0.7	ug/l	79056	ISTD06	37.87	2247280	20.0
3-Isopropoxy-1,1,1,7	40.49	0.4	ug/l	49244	ISTD06	37.87	2247280	20.0

8216.D GCMS0412.M Thu Apr 18 14:13:24 2002