User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/02/2002 Time: 11:07:08

Sample: AE04730
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/2/02 11:06 Ended: 4/2/02 11:06 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr_2,4-DDD		93		5.0

Comments for Sample AE04730 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-02-2002 Time: 11:07:35

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 5 of the 43 compounds in the LCS Standard were high.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 26 21:25 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.25	152	545735	20.00	ug/l	-0.10
10) Naphthalene-d8	15.88	136	2089244	20.00	ug/l	-0.11
17) Acenaphthene-d10	21.19	164	1122515	20.00	ug/l	-0.12
29) Phenanthrene-d10	25.63	188	1584585	20.00	ug/l	-0.13
38) Chrysene-d12	33.69	240	808296	20.00	ug/l	-0.15
44) Perylene-d12	37.93	264	459661	20.00	ug/l	-0.19
System Monitoring Compounds						
37) 2,4-DDD	30.71	235	86180	~~6.64~~ 4.67	ug/mL	0.21
Spiked Amount 5.000			Recovery =	~~132.80%~~ 93%		
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	15.94	128	919	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	22.67	149	1130	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)

Data File : C:\HPCHEM\1\DATA\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 26 21:25 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

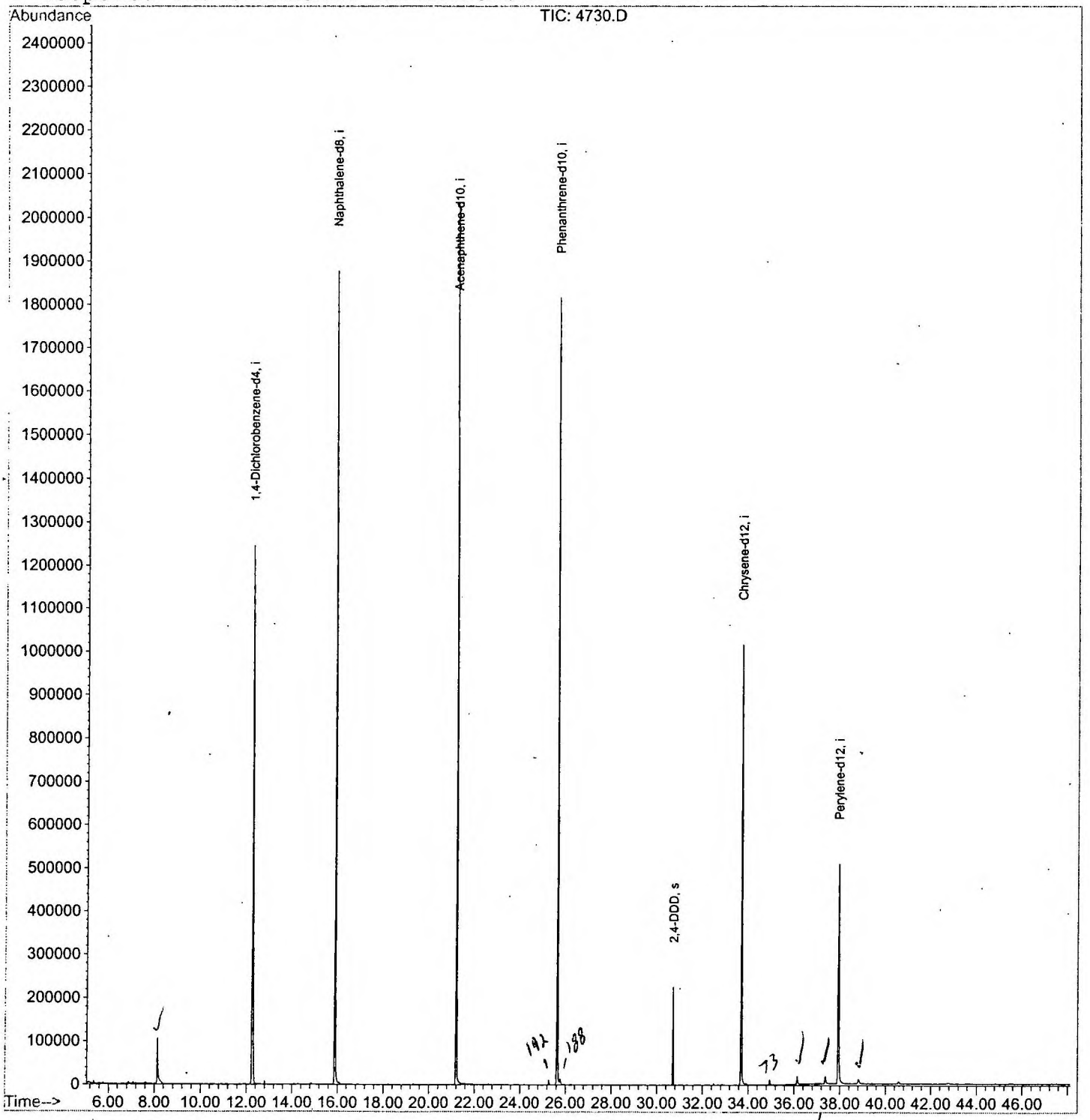
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.63	178	413	N.D.	
34)	Anthracene	25.63	178	413	N.D.	
35)	Di-n-butylphthalate	27.61	149	2045	N.D.	
36)	Fluoranthene	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	33.69	228	1914	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.91	149	1851	N.D.	
43)	Chrysene	33.69	228	1913	N.D.	
45)	Di-n-Octylphthalate	35.65	149	192	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	37.94	252	1845	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\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 26 21:25 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm 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

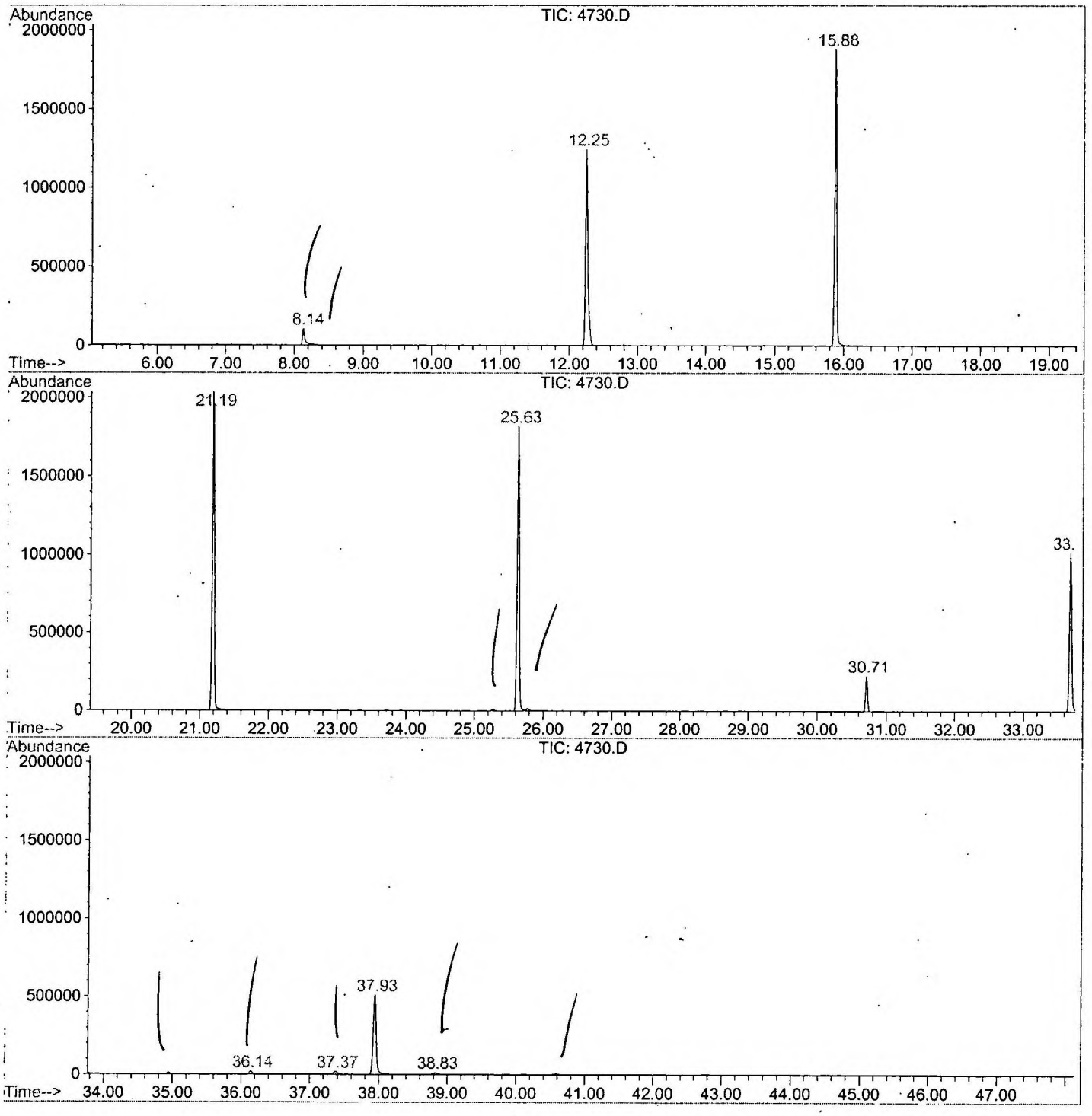
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.136	332	337	366	rVB	105560	300912	7.01%	1.510%
2	12.248	780	785	799	rVB	1242696	2942958	68.54%	14.772%
3	15.884	1175	1181	1198	rBV	1876816	3930485	91.54%	19.729%
4	21.190	1753	1759	1775	rBV	2034924	4293761	100.00%	21.553%
5	25.633	2237	2243	2255	rBV2	1815143	3976872	92.62%	19.962%
6	30.710	2791	2796	2802	rBV	226049	423546	9.86%	2.126%
7	33.694	3111	3121	3140	rBV2	1017039	2345965	54.64%	11.776%
8	36.136	3381	3387	3397	rBV2	18518	52805	1.23%	0.265%
9	37.375	3515	3522	3533	rBV2	17454	64754	1.51%	0.325%
10	37.935	3575	3583	3598	rBV2	506899	1546020	36.01%	7.760%
11	38.825	3672	3680	3688	rBV3	11189	43873	1.02%	0.220%

Sum of corrected areas: 19921951

4730.D GCMS0308.M Thu Mar 28 16:31:30 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2602\4730.D
Operator :
Acquired : 26 Mar 2002 8:36 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/4
Misc Info :
Vial Number: 12
Quant File :GCMS0308.RES (RTE Integrator)



4730.D GCMS0308.M Thu Mar 28 16:31:36 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

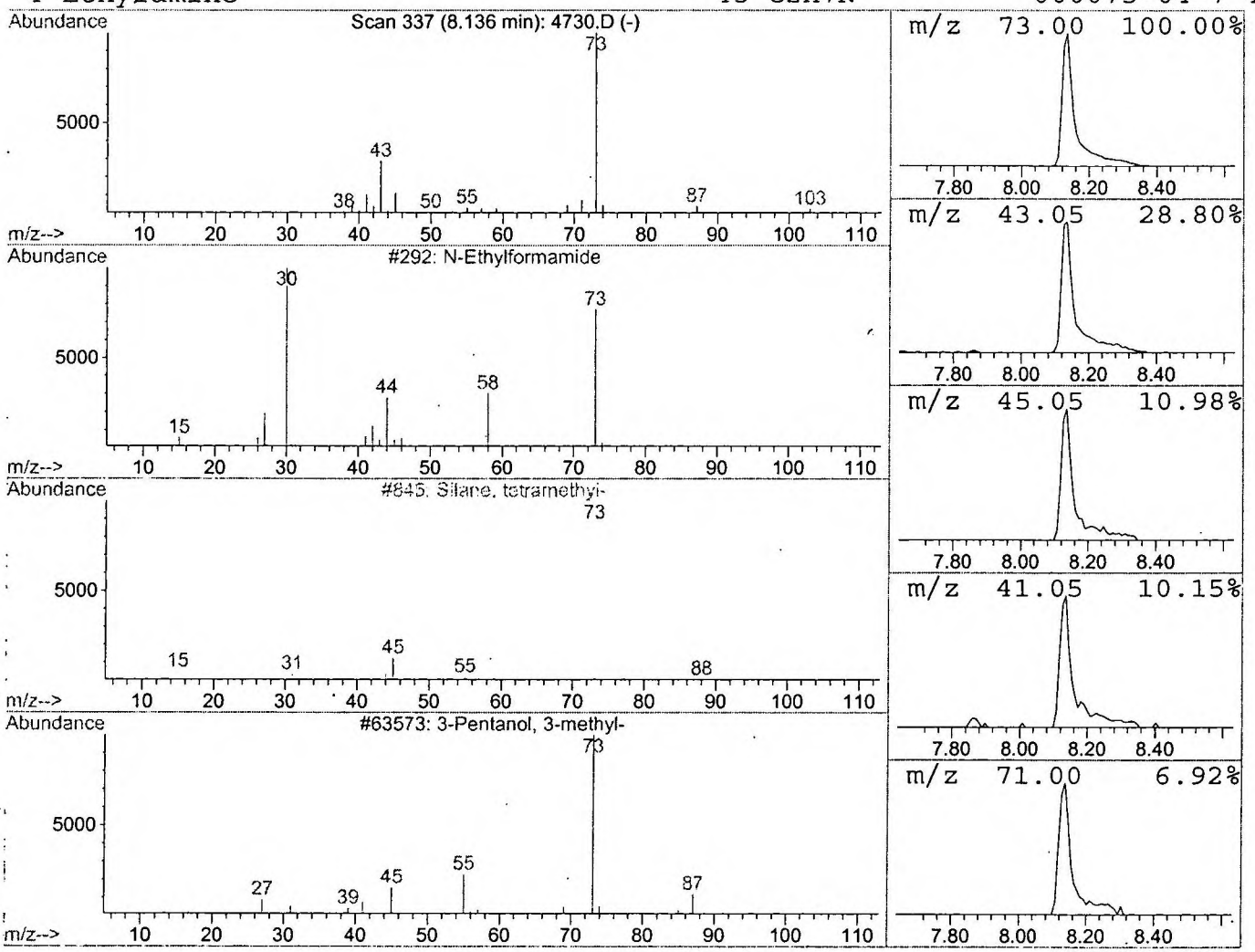
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	2.04 ug/l	300912	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	Ethylamine	45	C2H7N	000075-04-7	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

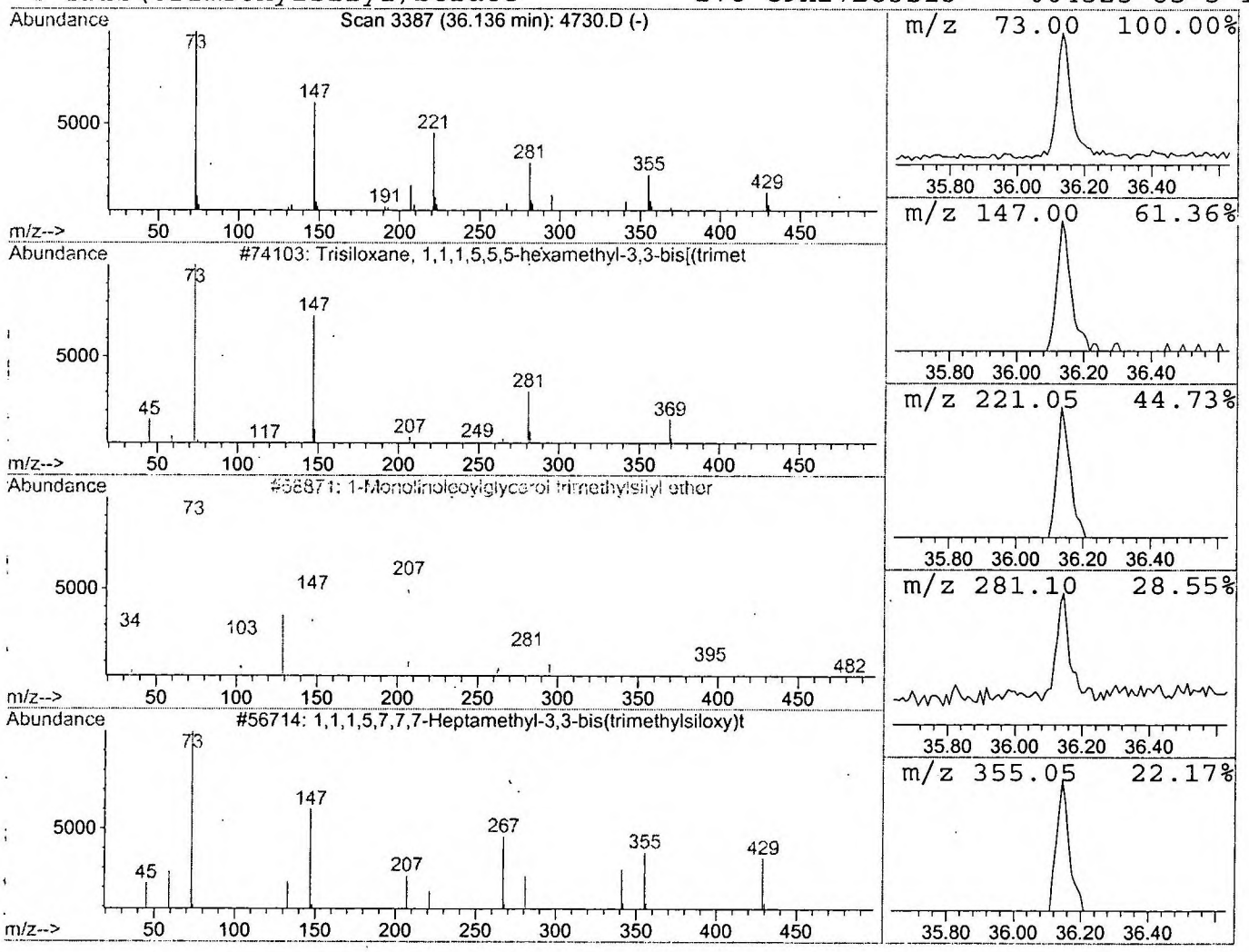
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.14	0.68 ug/l	52805	Perylene-d12	37.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	35
2	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	25
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	17
4	Tris(trimethylsilyl)borate	278	C9H27BO3Si3	004325-85-3	10



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

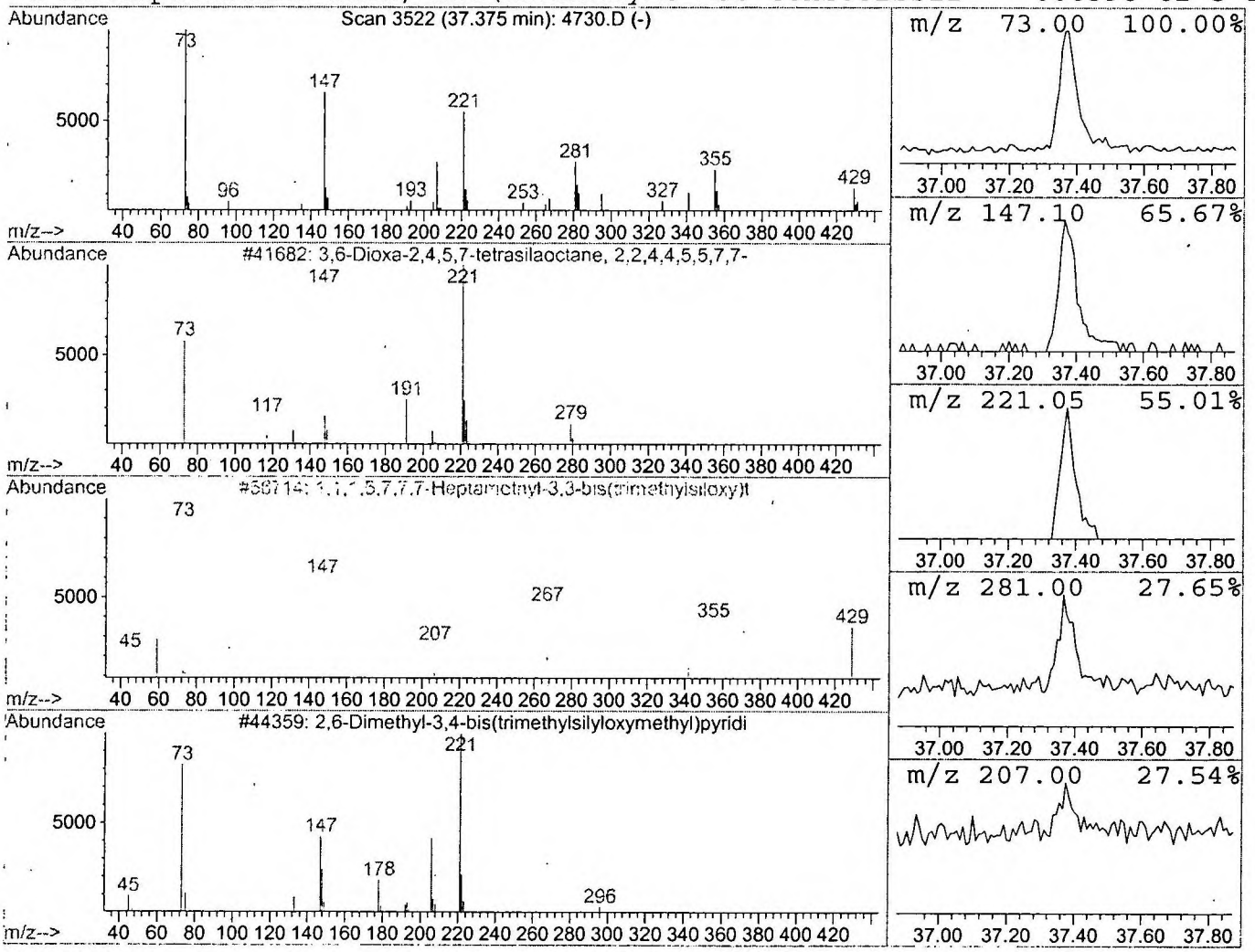
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.37	0.84 ug/l	64754	Perylene-d12	37.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	17
3	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	12
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	10



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4730.D Vial: 12
Acq On : 26 Mar 2002 8:36 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

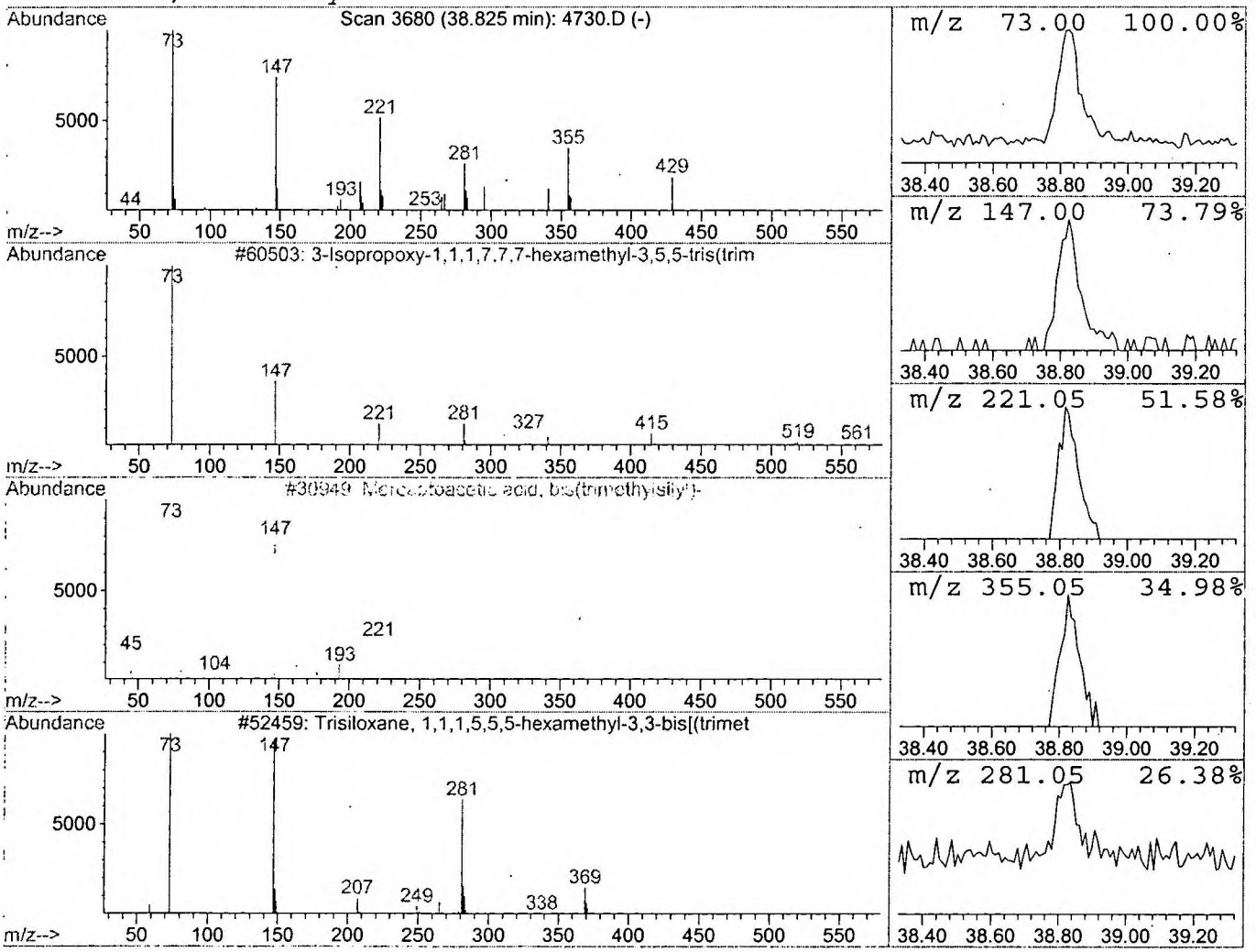
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.83	0.57 ug/l	43873	Perylene-d12	37.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	28
2	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	17
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	17
4	Indole, 2-benzoyl-	221	C15H11NO	001022-86-2	9



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 26 Mar 2002 8:36 pm
Data File: C:\HPCHEM\1\DATA\MAR2602\4730.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
N-Ethylformamide	8.14	2.0	ug/l	300912	ISTD01	12.25	2942960	20.0
Trisiloxane, 1,1,1,5	36.14	0.7	ug/l	52805	ISTD06	37.93	1546020	20.0
3,6-Dioxa-2,4,5,7-te	37.37	0.8	ug/l	64754	ISTD06	37.93	1546020	20.0
3-Isopropoxy-1,1,1,7	38.83	0.6	ug/l	43873	ISTD06	37.93	1546020	20.0

4730.D GCMS0308.M Thu Mar 28 16:31:58 2002