User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 14:17:10

Sample: AE11308
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/28/02 14:16 Ended: 5/28/02 14:16 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		87		10.0

Comments for Sample AE11308 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-28-2002 Time: 14:17:47

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 22 9:11 2002 Quant Results File: GCMS0520.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 22 09:03:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0520

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.14	152	399562	40.00	ug/l	0.00
10) Naphthalene-d8	15.78	136	1568814	40.00	ug/l	-0.01
17) Acenaphthene-d10	21.08	164	747643	40.00	ug/l	0.00
30) Phenanthrene-d10	25.52	188	967609	40.00	ug/l	-0.01
38) Chrysene-d12	33.57	240	524425	40.00	ug/l	-0.03
44) Perylene-d12	37.78	264	331398	40.00	ug/l	-0.02
System Monitoring Compounds						
28) TCMX	23.22	209	131454	34.98	ug/L	-0.01
Spiked Amount 40.000			Recovery = 87.45%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	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-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	13.80	117	381	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	15.83	128	1242	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.	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	22.57	149	884	N.D.		
26) 4-Chlorophenylphenylether	23.21	204	691	N.D.		
27) Fluorene	22.70	166	336	N.D.		
29) Azobenzene	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	23.22	168	409	N.D.		
32) 4-Bromophenylphenylether	0.00	248	0	N.D.		
33) Hexachlorobenzene	0.00	284	0	N.D.		
34) Phenanthrene	25.58	178	2167	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 22 9:11 2002 Quant Results File: GCMS0520.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 22 09:03:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0520

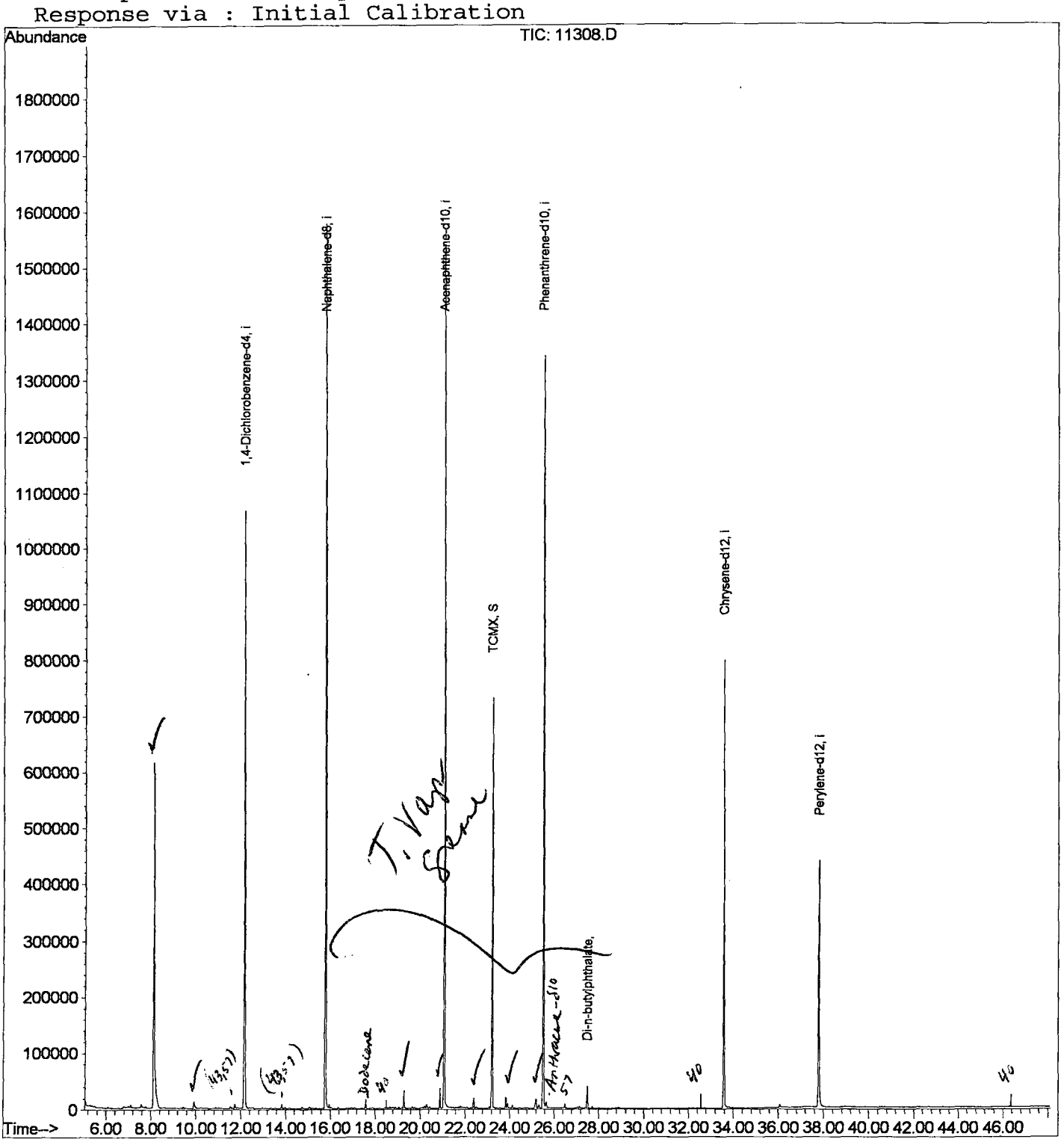
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Anthracene	25.58	178	2167	N.D.	
36)	Di-n-butylphthalate	27.50	149	42884	1.35 ug/l #	98
37)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	29.88	202	289	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.58	228	1235	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.81	149	1220	N.D.	
43)	Chrysene	33.58	228	1234	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	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	37.79	252	1327	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\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 22 9:11 2002 Quant Results File: GCMS0520.RES

Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 22 09:03:22 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0520.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

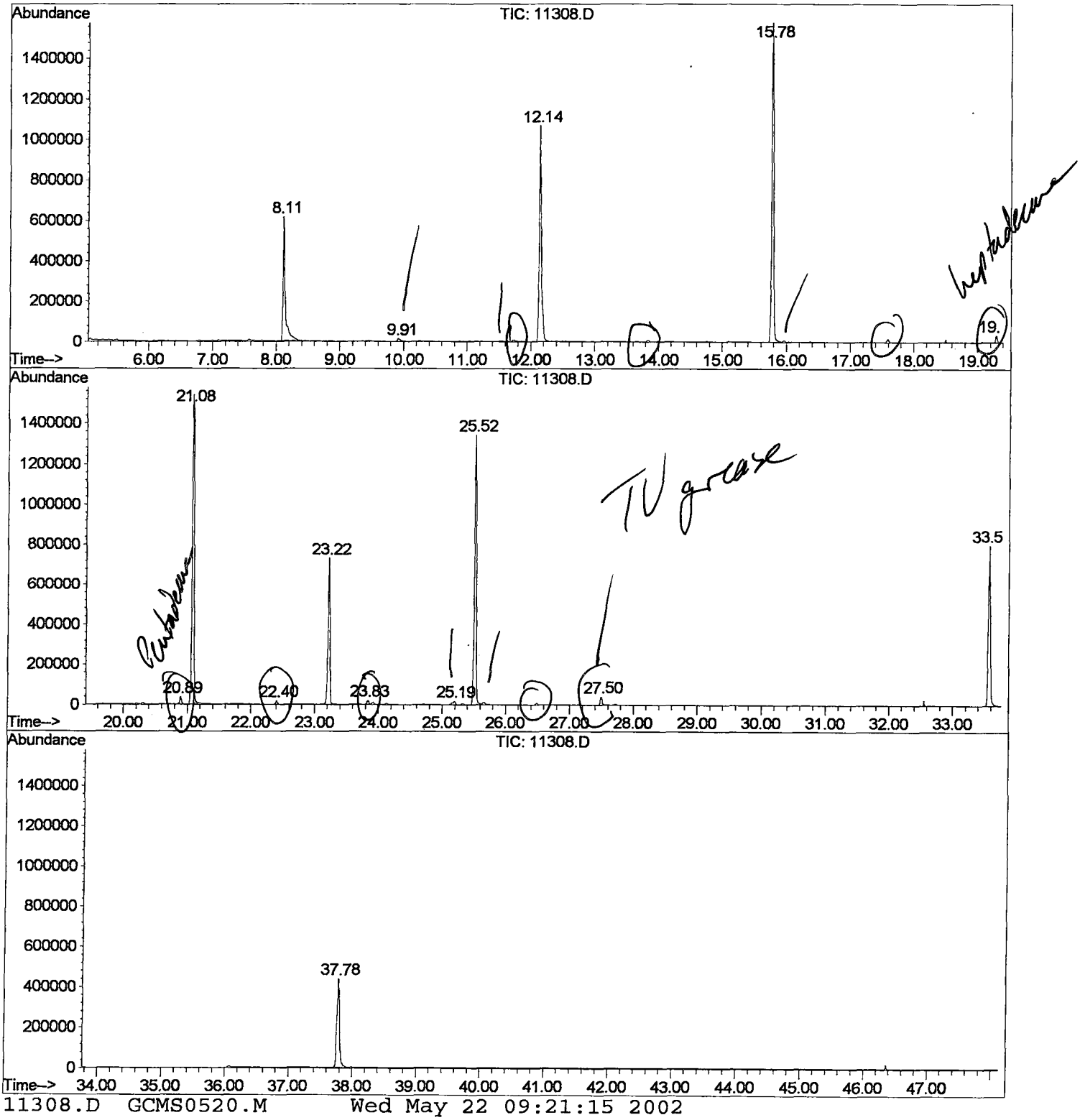
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.109	332	335	367	rVB	614619	1524971	47.32%	8.460%
2	9.914	529	532	543	rBV	11432	32651	1.01%	0.181%
3	12.141	769	775	792	rVB	1065719	2459590	76.33%	13.646%
4	15.779	1166	1172	1189	rBV	1576416	3222359	100.00%	17.877%
5	19.288	1551	1555	1560	rBV	32142	61465	1.91%	0.341%
6	20.892	1725	1730	1735	rBV	36403	64188	1.99%	0.356%
7	21.075	1744	1750	1760	rBV	1537828	3202755	99.39%	17.769%
8	22.404	1889	1895	1901	rVB	18180	33743	1.05%	0.187%
9	23.220	1975	1984	1992	rBV	730092	1460610	45.33%	8.103%
10	23.833	2046	2051	2056	rBV	19759	37701	1.17%	0.209%
11	25.190	2192	2199	2204	rBV3	16140	48511	1.51%	0.269%
12	25.520	2228	2235	2246	rBV2	1340036	2781639	86.32%	15.432%
13	27.499	2445	2451	2459	rVB	39264	81088	2.52%	0.450%
14	33.574	3108	3114	3133	rBV	796762	1735476	53.86%	9.628%
15	37.780	3566	3573	3594	rBV2	436583	1278124	39.66%	7.091%

Sum of corrected areas: 18024871

11308.D GCMS0520.M Wed May 22 09:21:14 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY2102\11308.D
Operator :
Acquired : 21 May 2002 9:28 pm using AcqMethod GCMS0520
Instrument : 209
Sample Name: EXTRACT5/14
Misc Info :
Vial Number: 22
Quant File :GCMS0520.RES (RTE Integrator)



11308.D GCMS0520.M Wed May 22 09:21:15 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

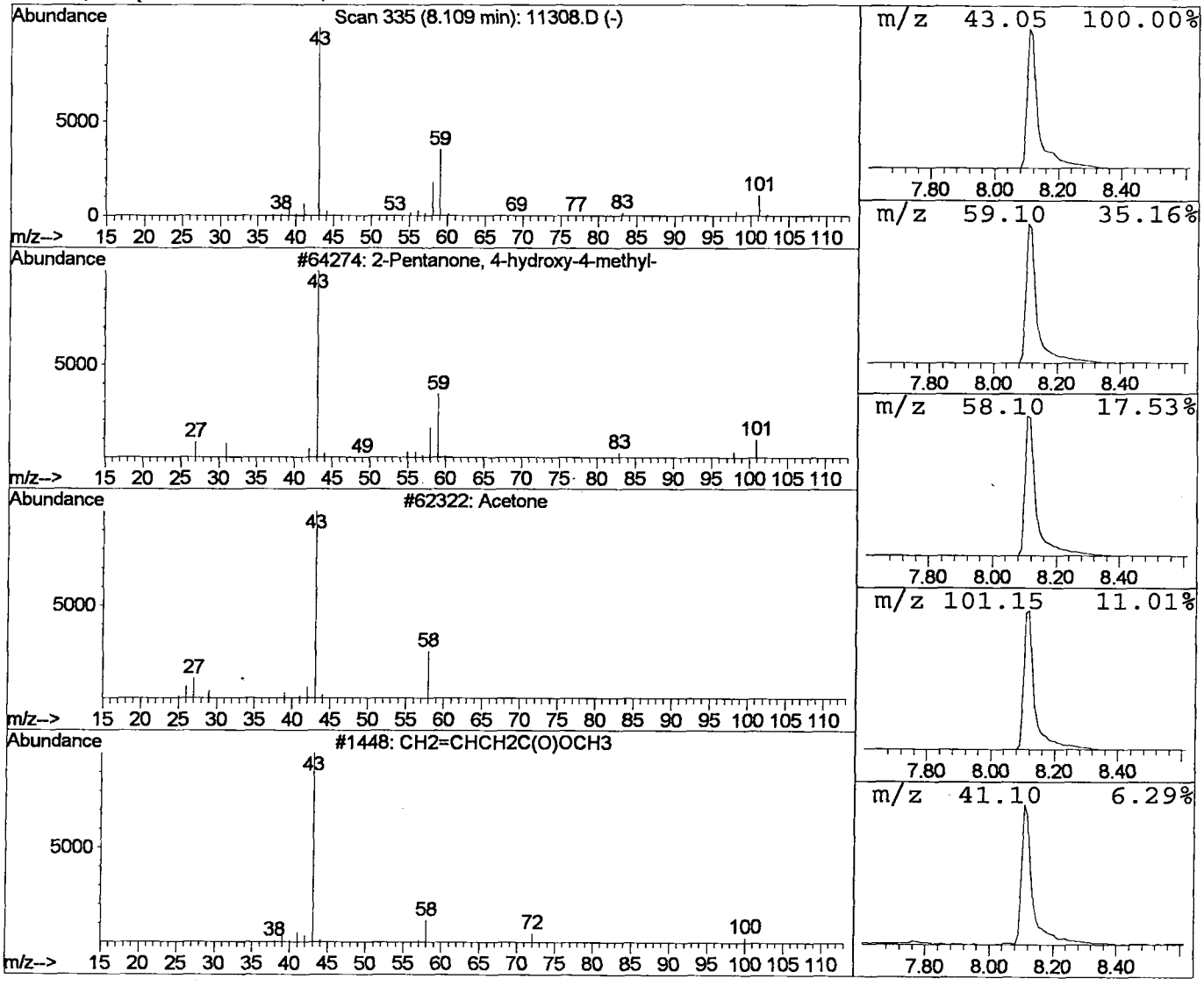
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	24.80 ug/l	1524970	1,4-Dichlorobenzene-d4	12.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetone	58	C3H6O	000067-64-1	9
3	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

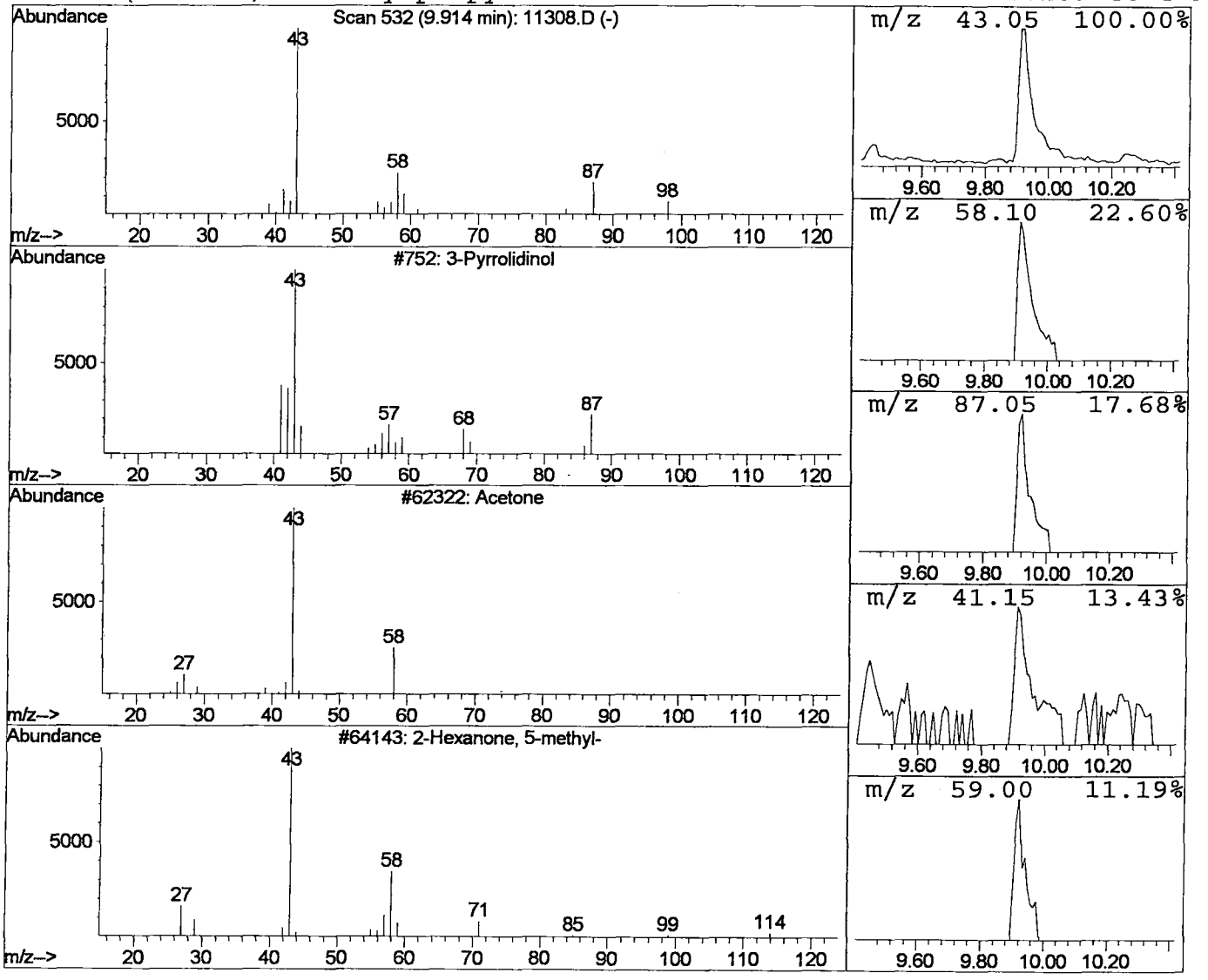
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Pyrrolidinol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	0.53 ug/l	32651	1,4-Dichlorobenzene-d4	12.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
2	Acetone	58	C3H6O	000067-64-1	9
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	9
4	Acetic acid, 1-methylpropyl ester	116	C6H12O2	000105-46-4	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

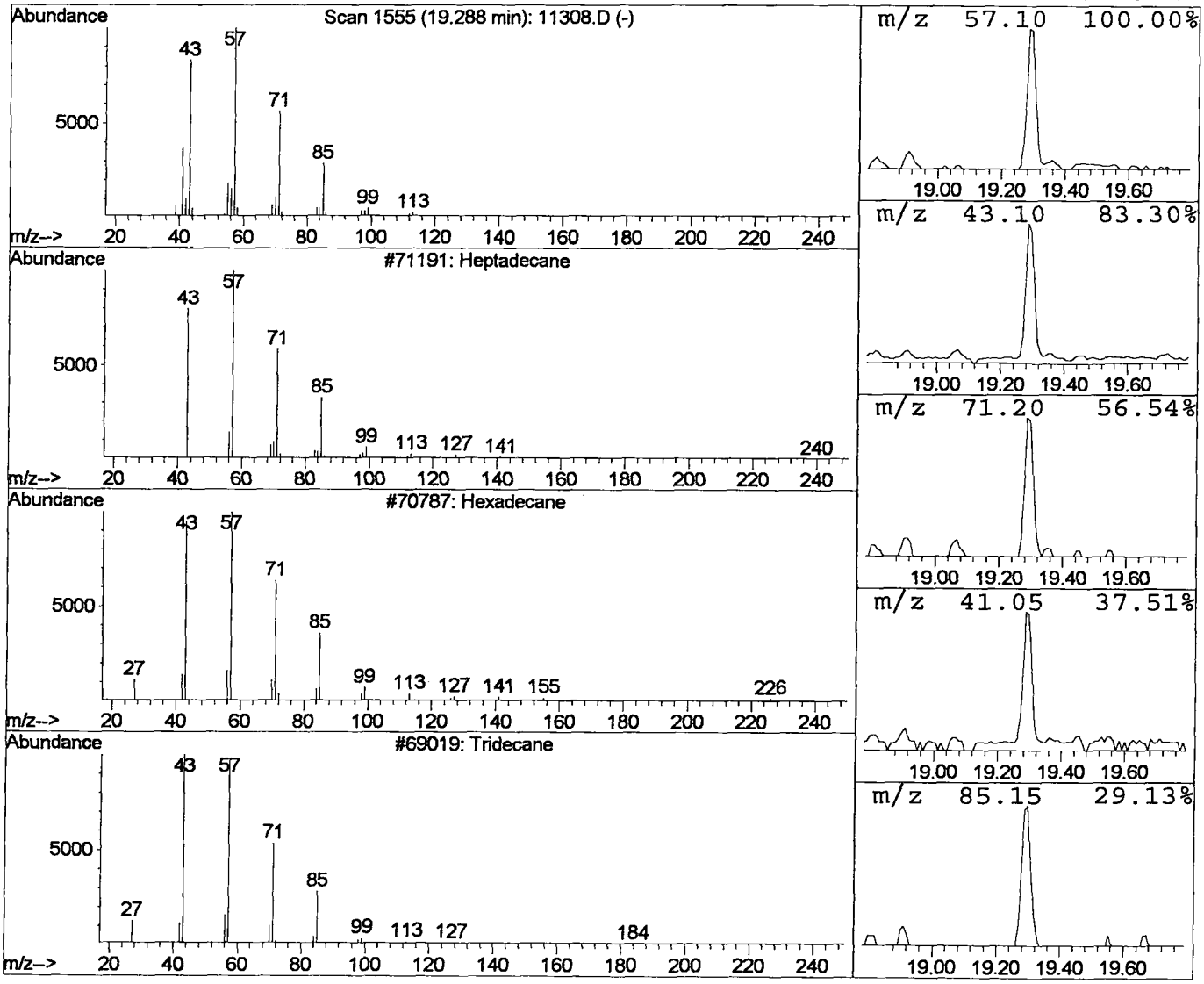
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	0.77 ug/l	61465	Acenaphthene-d10	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Tetradecane	198	C14H30	000629-59-4	86



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

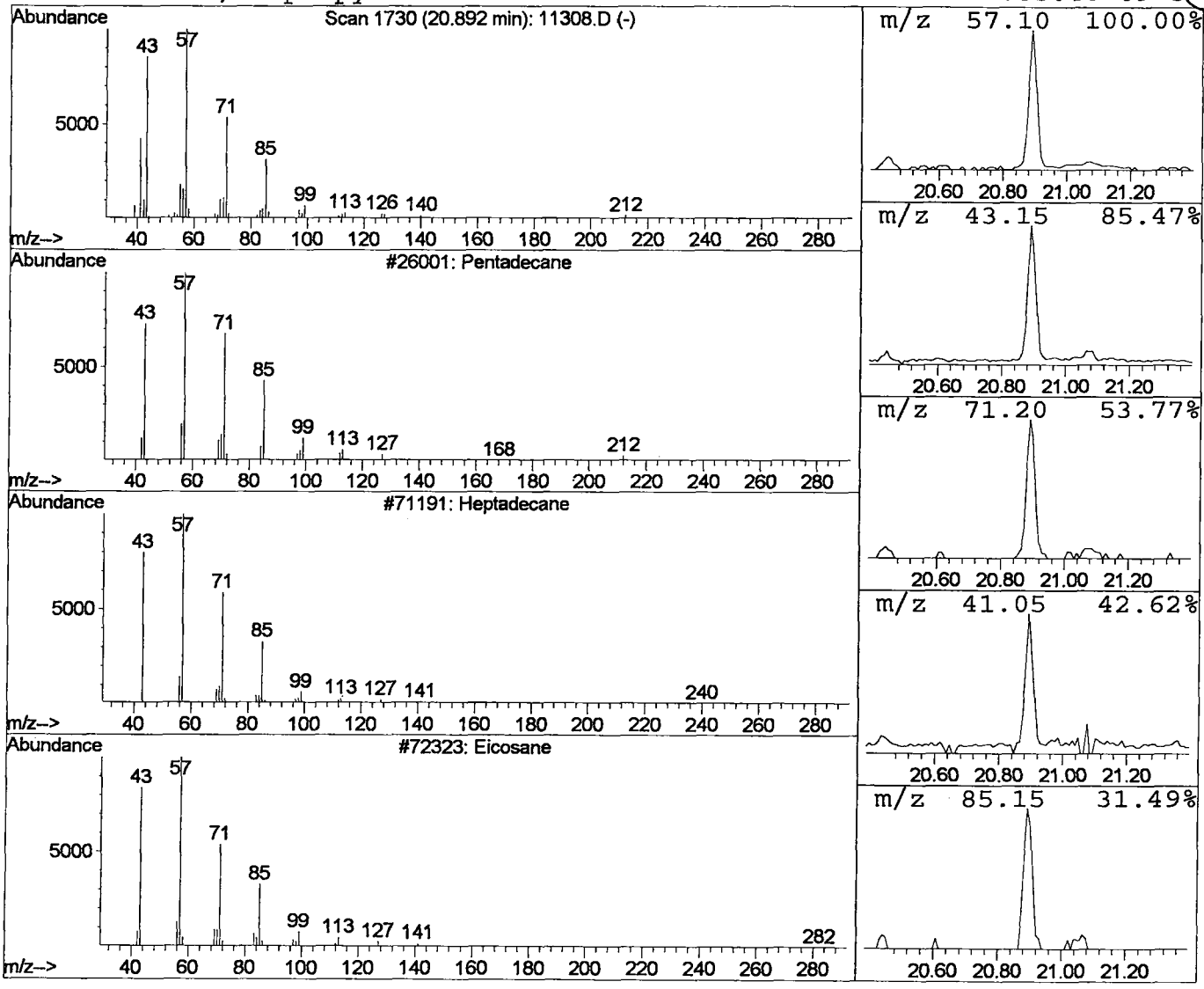
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Pentadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	0.80 ug/l	64188	Acenaphthene-d10	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Heptadecane	240	C17H36	000629-78-7	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

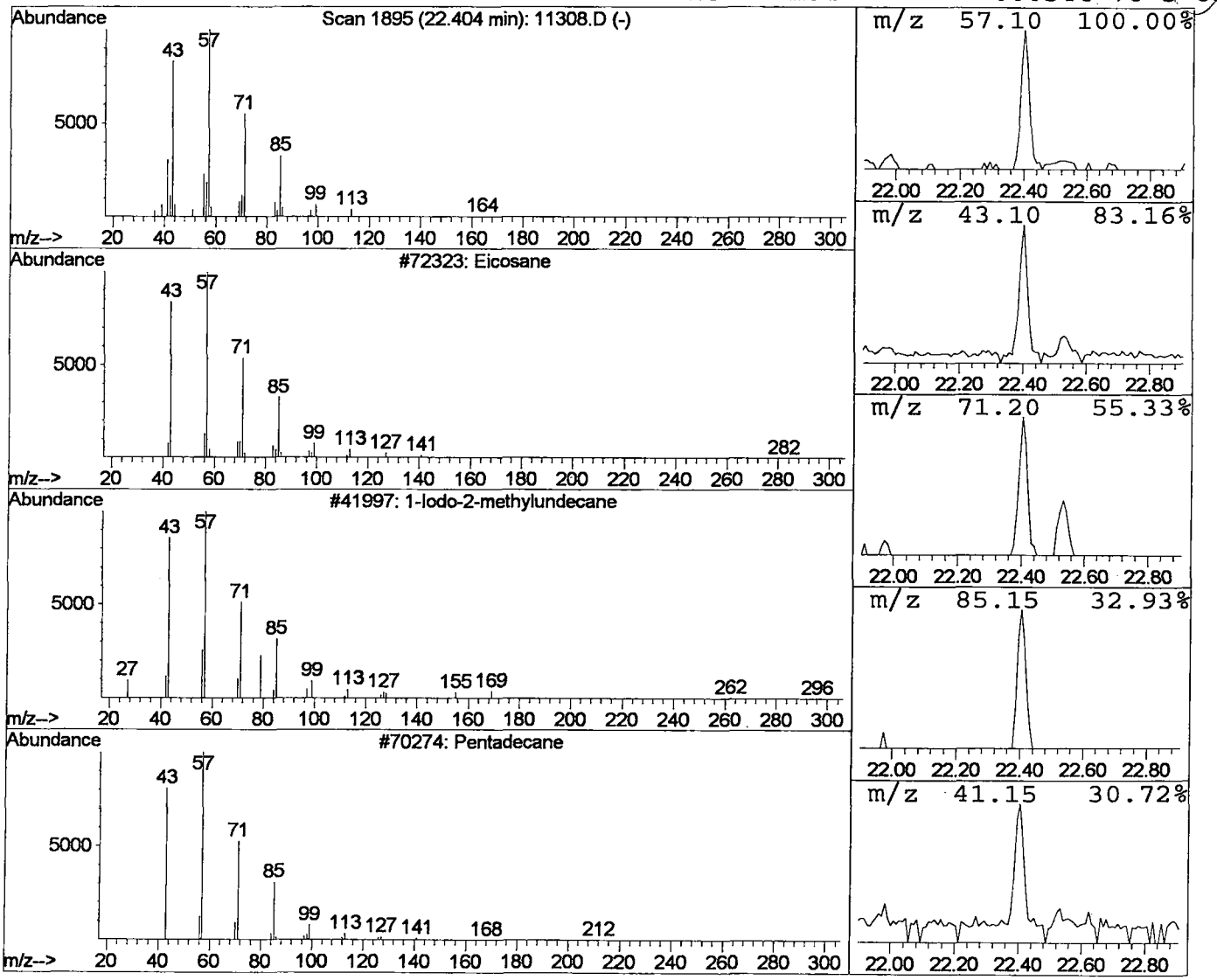
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	0.42 ug/l	33743	Acenaphthene-d10	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	90
3	Pentadecane	212	C15H32	000629-62-9	83
4	Hexadecane	226	C16H34	000544-76-3	83



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

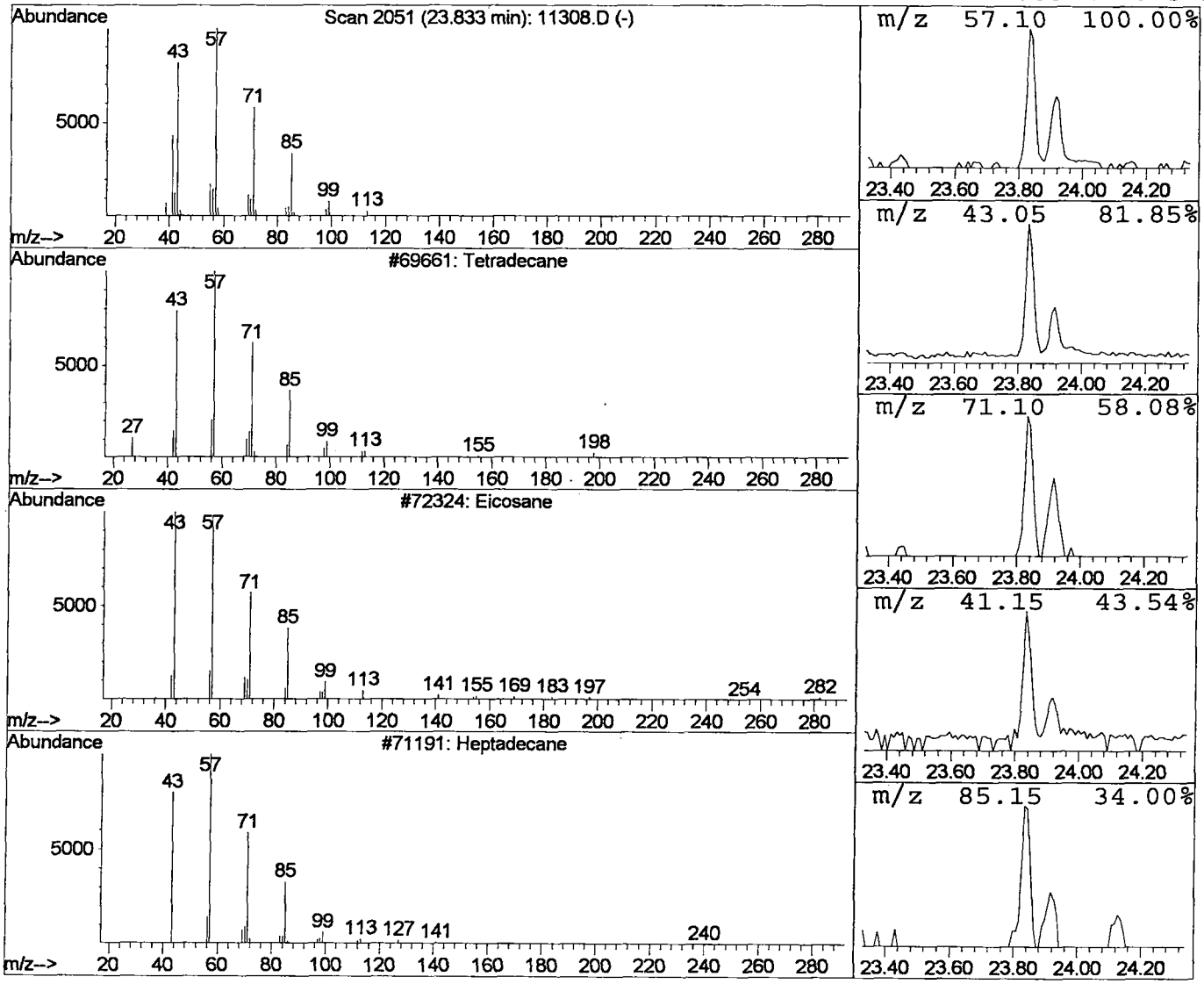
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Tetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	0.54 ug/l	37701	Phenanthrene-d10	25.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Eicosane	282	C20H42	000112-95-8	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Hexadecane	226	C16H34	000544-76-3	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11308.D Vial: 22
Acq On : 21 May 2002 9:28 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

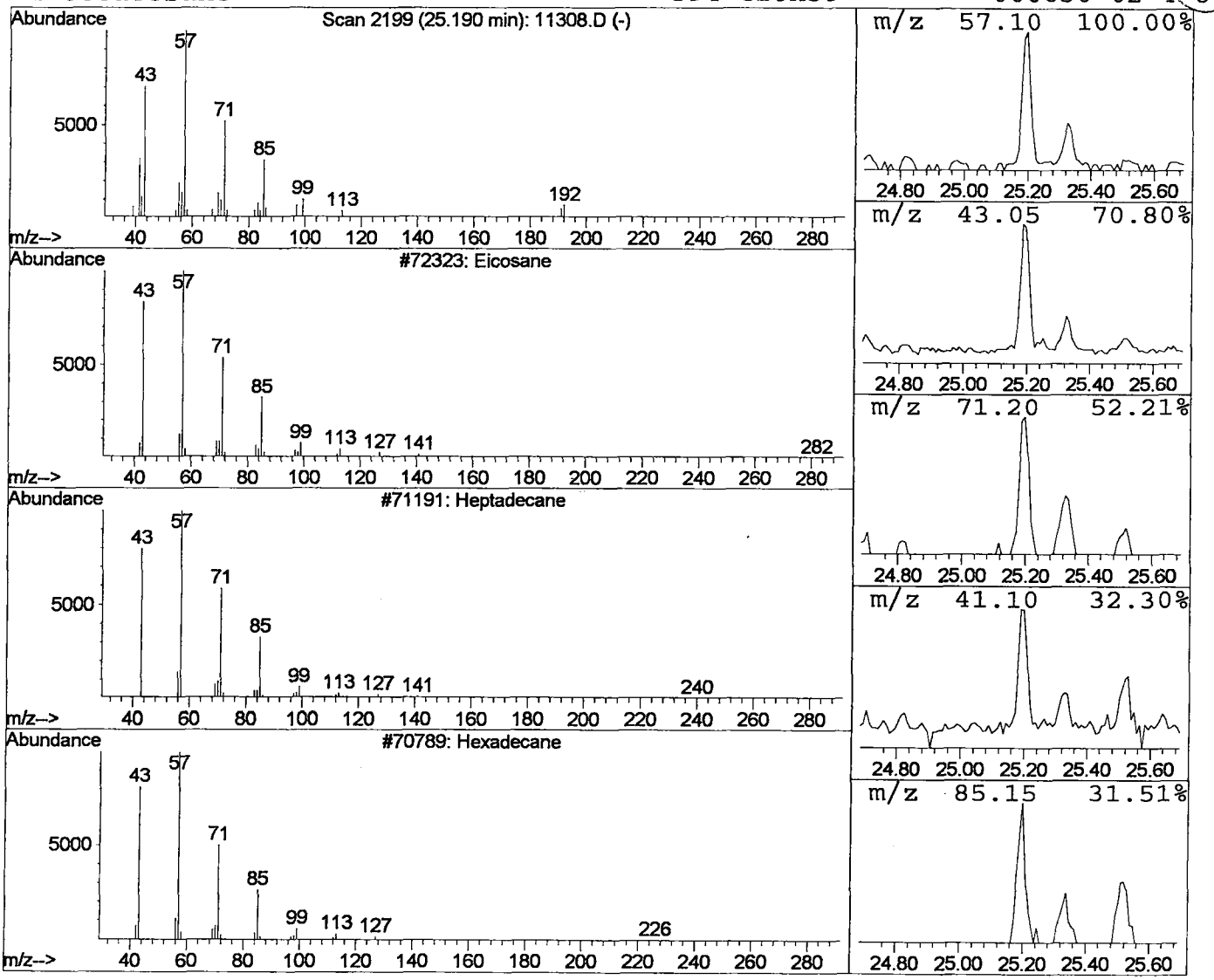
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.19	0.70 ug/l	48511	Phenanthrene-d10	25.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Heptadecane	240	C17H36	000629-78-7	80
3	Hexadecane	226	C16H34	000544-76-3	80
4	Octacosane	394	C28H58	000630-02-4	80



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 21 May 2002 9:28 pm
Data File: C:\HPCHEM\1\DATA\MAY2102\11308.D
Name: EXTRACT5/14
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0520.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
2-Pentanone, 4-hydro	8.11	24.8	ug/l	1524970	ISTD01	12.14	2459590	40.0
3-Pyrrolidinol	9.91	0.5	ug/l	32651	ISTD01	12.14	2459590	40.0
Heptadecane	19.29	0.8	ug/l	61465	ISTD03	21.08	3202760	40.0
Pentadecane	20.89	0.8	ug/l	64188	ISTD03	21.08	3202760	40.0
Eicosane	22.40	0.4	ug/l	33743	ISTD03	21.08	3202760	40.0
Tetradecane	23.83	0.5	ug/l	37701	ISTD04	25.52	2781640	40.0
Eicosane	25.19	0.7	ug/l	48511	ISTD04	25.52	2781640	40.0

11308.D GCMS0520.M Wed May 22 09:21:22 2002

T.V. grease