Comments for Sample AE08264 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-06-2002 Time: 12:07:55

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. This sample will be reextracted and reanalyzed because of a low Surrogate Standard recovery of 69.2 %. Re-extraction has a Surrogate Standard recovery or 94%.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/06/2002 Time: 12:08:01

Sample: AE08264
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/22/02 11:09 Ended: 4/22/02 11:09 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr_2,4-DDD	LSPEC	69		10.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0102\8264.D Vial: 3
Acq On : 1 May 2002 9:55 am Operator:
Sample : gc/ms scan 4/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 1 10:52 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.21	152	417935	40.00	ug/l	0.00
10) Naphthalene-d8	15.84	136	1557922	40.00	ug/l	-0.02
17) Acenaphthene-d10	21.14	164	830534	40.00	ug/l	0.00
30) Phenanthrene-d10	25.59	188	1167419	40.00	ug/l	0.00
38) Chrysene-d12	33.64	240	697446	40.00	ug/l	-0.02
44) Perylene-d12	37.87	264	410668	40.00	ug/l	-0.02
System Monitoring Compounds						
28) TCMX	23.28	209	38195	9.45	ug/L	-0.02
Spiked Amount 10.000			Recovery = 94.50%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.44	74	368	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.	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	22.62	149	1270	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.		
33) Hexachlorobenzene	0.00	284	0	N.D.		
34) Phenanthrene	25.59	178	307	N.D.		

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

Quantitation Report (QT Reviewed)

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Acq On : 1 May 2002 9:55 am Operator:
Sample : gc/ms scan 4/23 Inst : 209
Misc : Multiplr: 1.00
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Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Anthracene	25.59	178	307	N.D.	
36)	Di-n-butylphthalate	27.55	149	11456	0.30 ug/l #	98
37)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	32.08	149	496	N.D.	
41)	Benzo(a)anthracene	33.64	228	2195	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.86	149	6355	0.38 ug/l	99
43)	Chrysene	33.72	228	523	N.D.	
45)	Di-n-Octylphthalate	35.59	149	458	N.D.	
46)	Benzo(b)fluoranthene	36.70	252	278	N.D.	
47)	Benzo(k)fluoranthene	36.77	252	471	N.D.	
48)	Benzo(a)pyrene	37.69	252	319	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.	

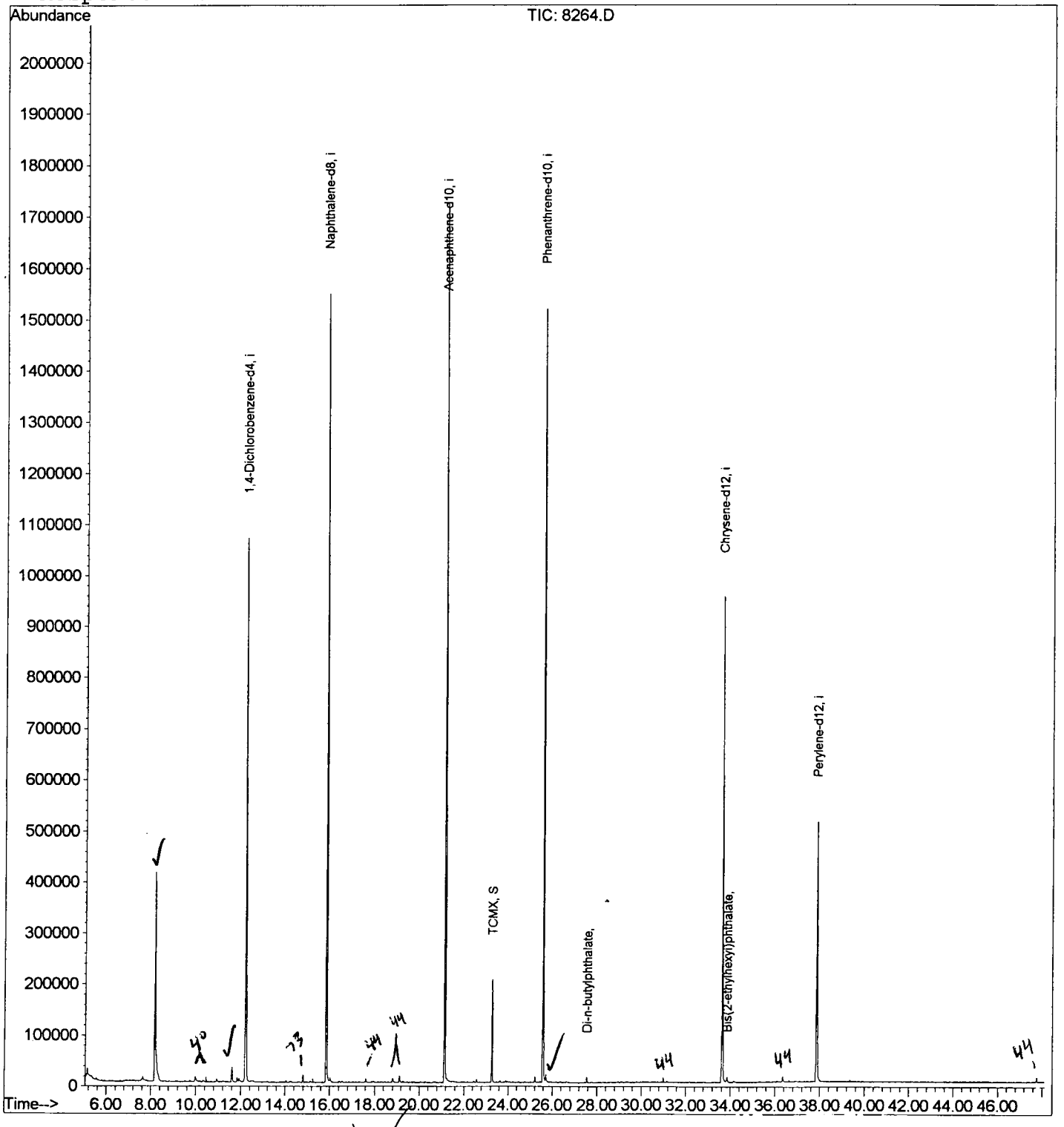
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY0102\8264.D
Acq On : 1 May 2002 9:55 am
Sample : gc/ms scan 4/23
Misc :
MS Integration Params: GOOFY.P
Quant Time: May 1 10:52 2002

Vial: 3
Operator:
Inst : 209
Multiplr: 1.00
Quant Results File: GCMS0501.RES

Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY0102\8264.D Vial: 3
Acq On : 1 May 2002 9:55 am Operator:
Sample : gc/ms scan 4/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0501.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

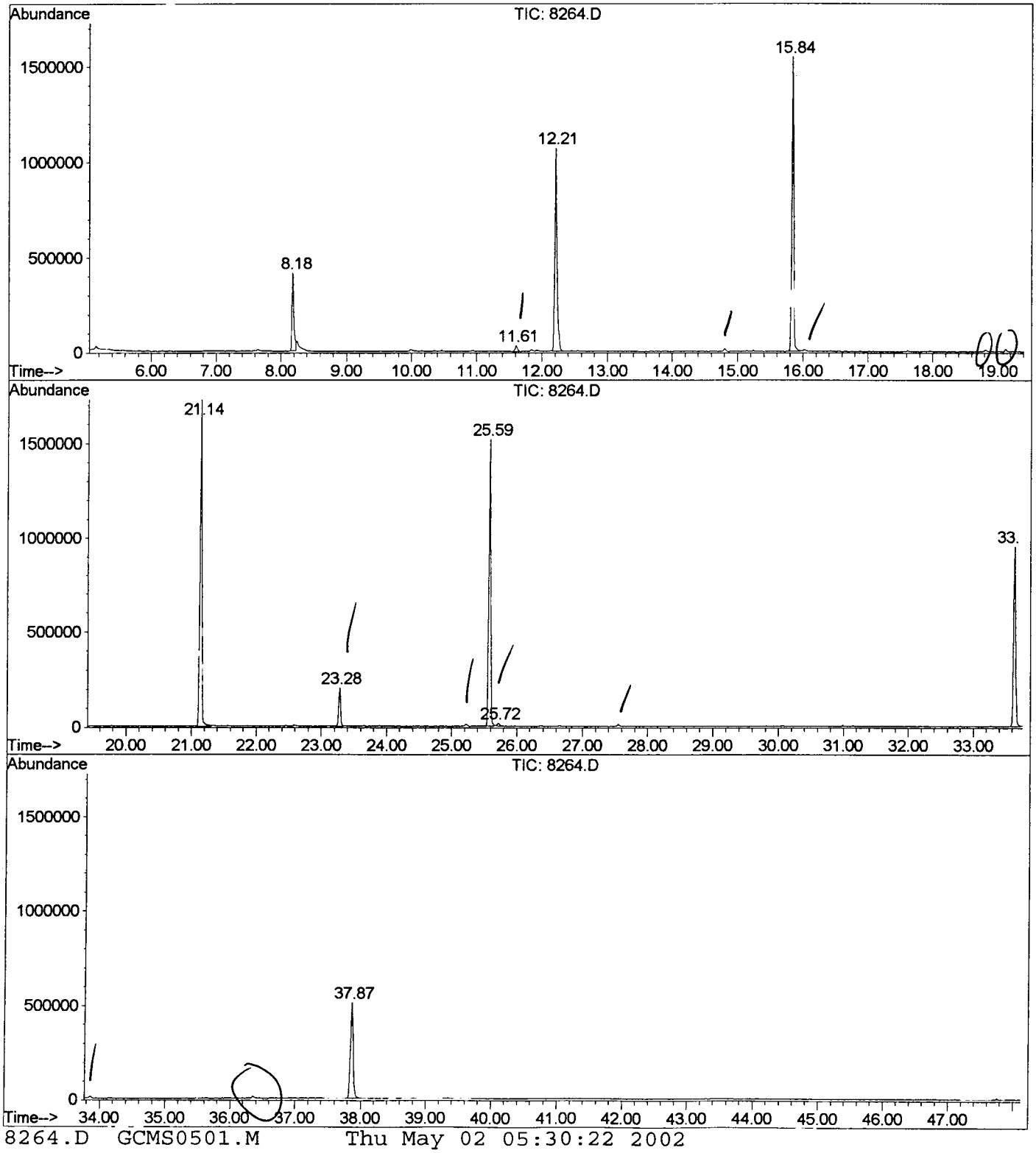
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.176	339	342	348	rBV	409135	844828	24.13%	4.871%
2	11.613	709	717	726	rBV2	30150	72896	2.08%	0.420%
3	12.208	776	782	801	rVB	1065220	2501970	71.47%	14.427%
4	15.837	1172	1178	1194	rBV	1542689	3186145	91.01%	18.372%
5	21.143	1750	1757	1775	rBV	1721499	3500727	100.00%	20.186%
6	23.278	1983	1990	1996	rBV	201865	391804	11.19%	2.259%
7	25.587	2235	2242	2250	rBV2	1513438	3200466	91.42%	18.454%
8	25.715	2253	2256	2264	rVB	13922	35983	1.03%	0.207%
9	33.642	3113	3121	3131	rBV2	950502	2138523	61.09%	12.331%
10	37.866	3574	3582	3598	rBV2	508594	1469239	41.97%	8.472%

Sum of corrected areas: 17342581

8264.D GCMS0501.M Thu May 02 05:30:21 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY0102\8264.D
Operator :
Acquired : 1 May 2002 9:55 am using AcqMethod GCMS0501
Instrument : 209
Sample Name: gc/ms scan 4/23
Misc Info :
Vial Number: 3
Quant File :GCMS0501.RES (RTE Integrator)



8264.D GCMS0501.M Thu May 02 05:30:22 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0102\8264.D Vial: 3
Acq On : 1 May 2002 9:55 am Operator:
Sample : gc/ms scan 4/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

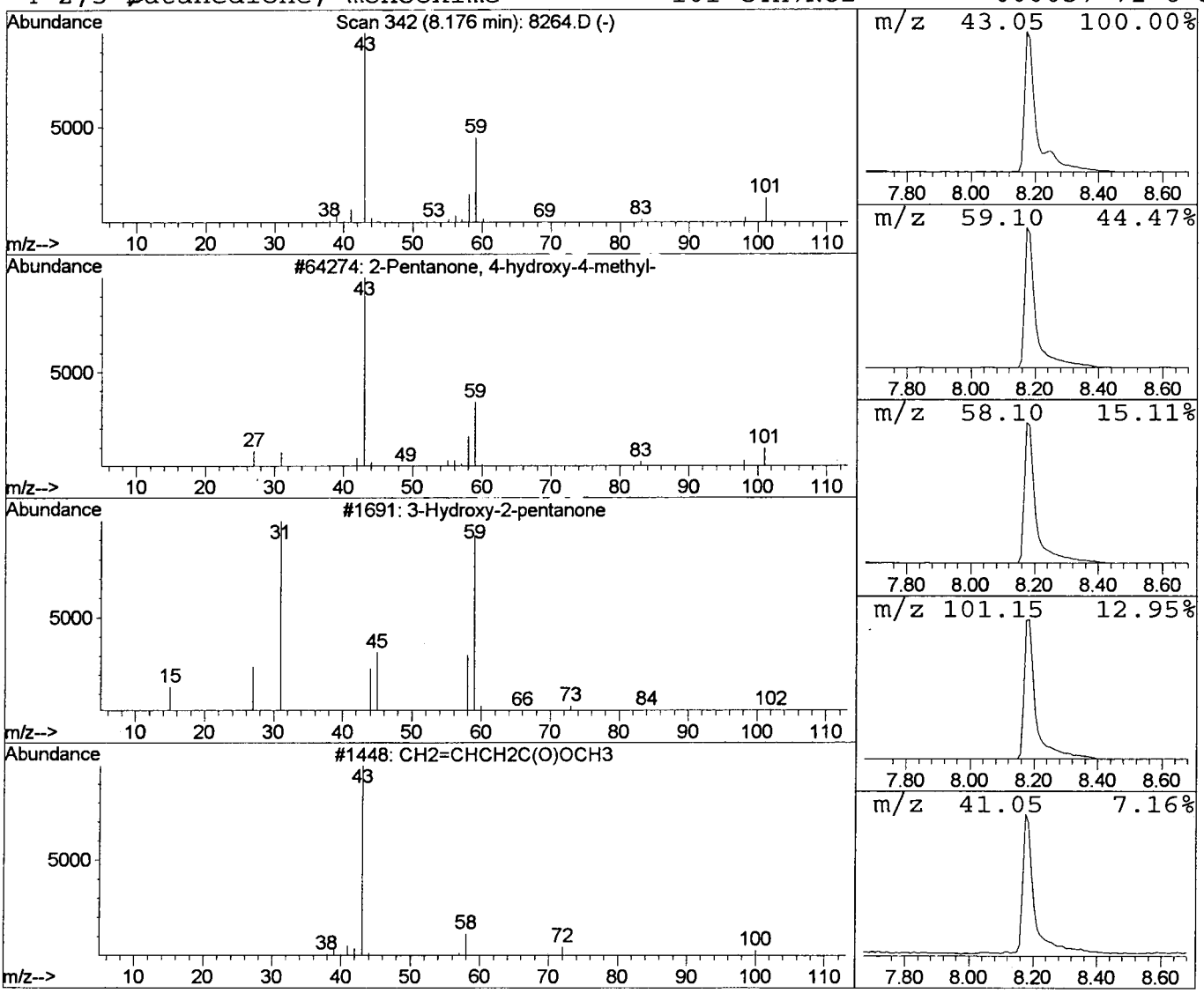
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	13.51 ug/l	844828	1,4-Dichlorobenzene-d4	12.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
2	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0102\8264.D Vial: 3
Acq On : 1 May 2002 9:55 am Operator:
Sample : gc/ms scan 4/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

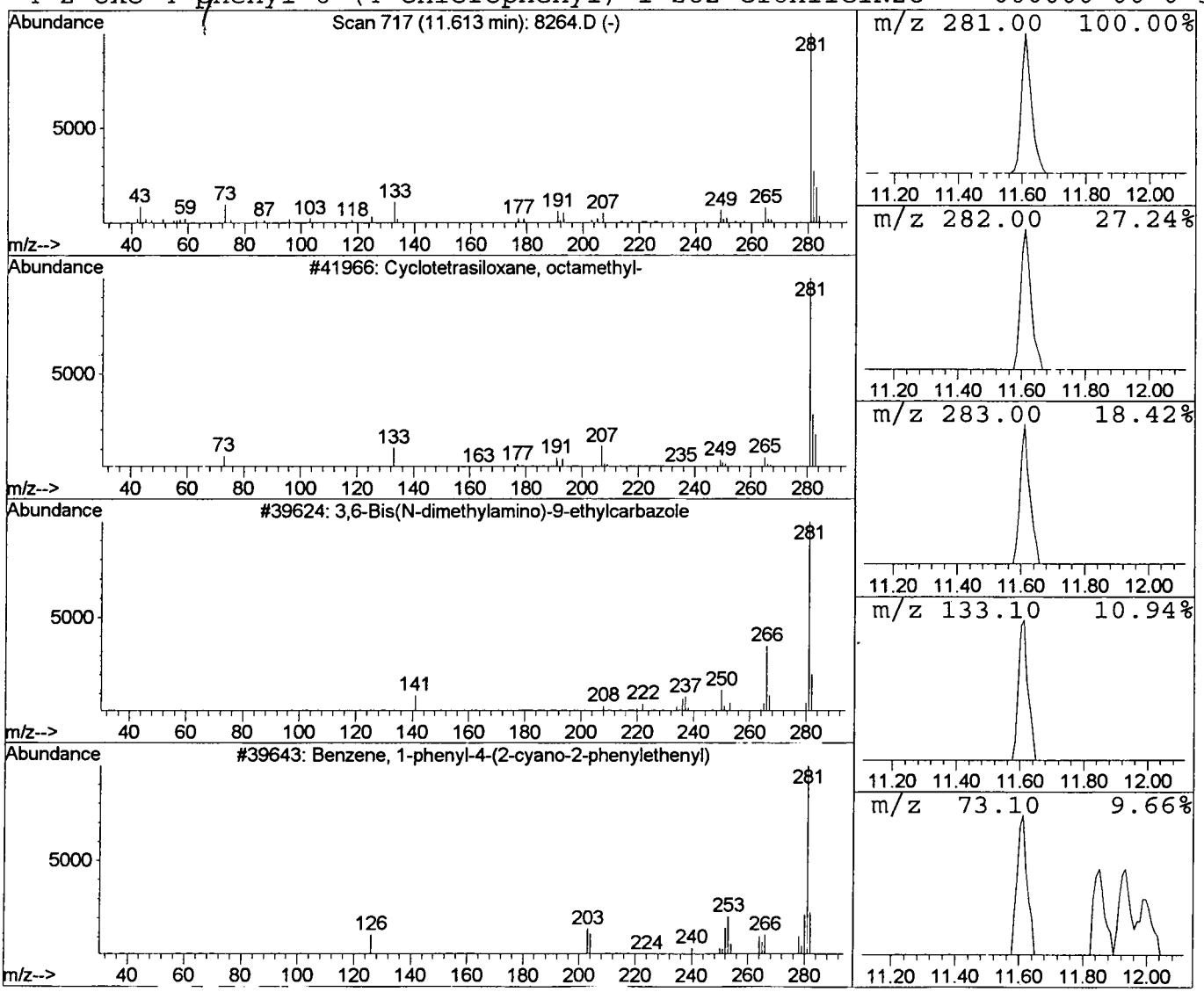
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotetrasiloxane, octamethyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	1.17 ug/l	72896	1,4-Dichlorobenzene-d4	12.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	91
2	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	9
3	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
4	2-Oxo-4-phenyl-6-(4-chlorophenyl)-1	282	C16H11ClN2O	000000-00-0	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0102\8264.D Vial: 3
Acq On : 1 May 2002 9:55 am Operator:
Sample : gc/ms scan 4/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

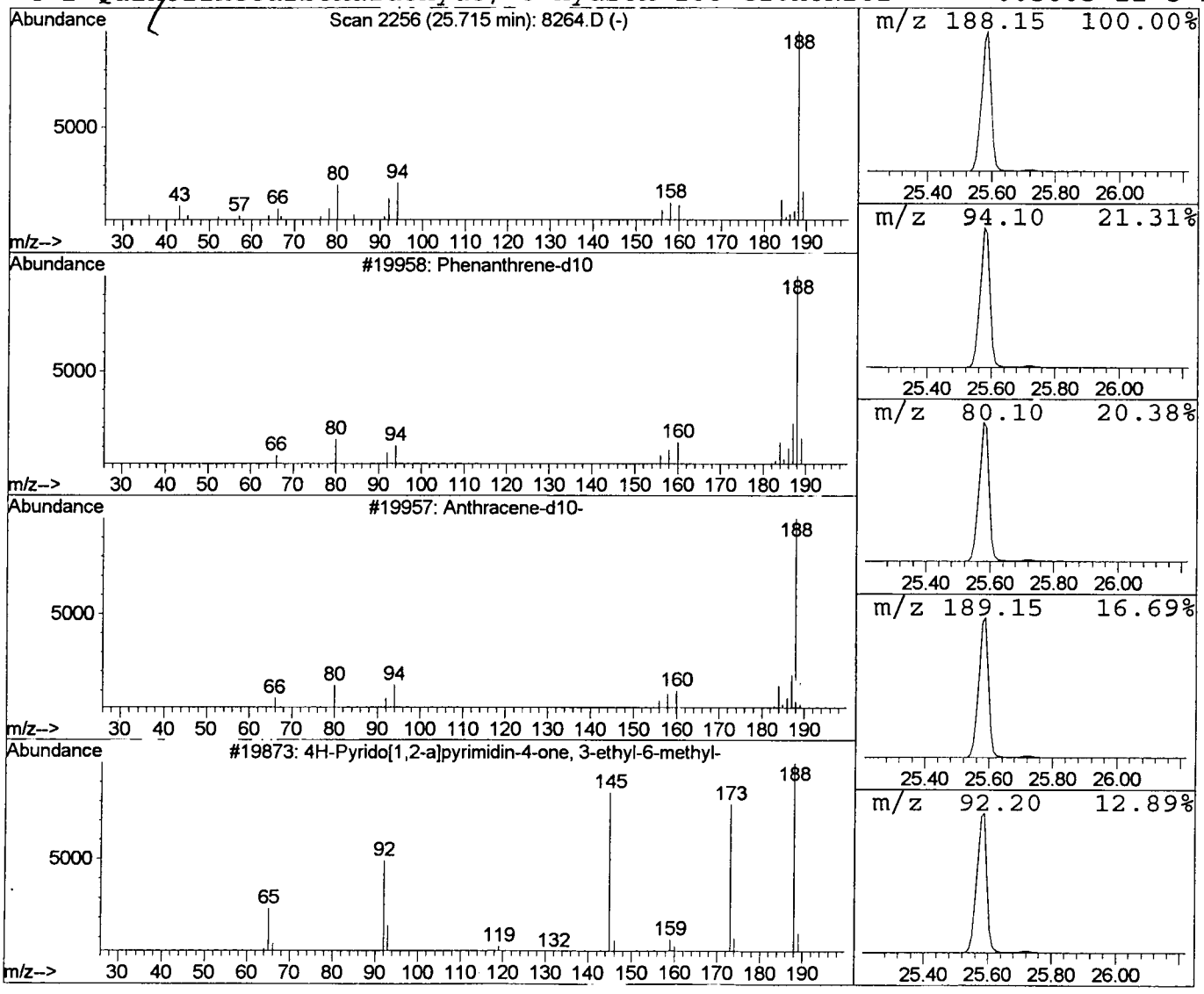
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.72	0.45 ug/l	35983	Phenanthrene-d10	25.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	80
2	Anthracene-d10-	188	C14D10	001719-06-8	74
3	4H-Pyrido[1,2-a]pyrimidin-4-one, 3-	188	C11H12N2O	057773-19-0	37
4	2-Quinolinecarboxaldehyde, 8-hydrox	188	C10H8N2O2	005603-22-5	25



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 1 May 2002 9:55 am
Data File: C:\HPCHEM\1\DATA\MAY0102\8264.D
Name: gc/ms scan 4/23
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0501.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	8.18	13.5	ug/l	844828	ISTD01	12.21	2501970	40.0
Cyclotetrasiloxane,	11.61	1.2	ug/l	72896	ISTD01	12.21	2501970	40.0
Phenanthrene-d10	25.72	0.4	ug/l	35983	ISTD04	25.59	3200470	40.0

8264.D GCMS0501.M Thu May 02 05:30:25 2002