Email

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 08:40:28

Sample: AE09579
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/17/02 08:40 Ended: 5/17/02 08:40 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		83		10.0

phthalic anhydride confirmed both analyses
1221/5250
4/19/02 Gertsch

Comments for Sample AE09579 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-17-2002 Time: 08:49:19

The GCMS scan, from 35 to 550 amu, reveals the presence of Phthalic anhydride at a low level and with a fit of 87 out of 100.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\9579.D Vial: 16
Acq On : 9 May 2002 1:15 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:45 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

re-integration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.19	152	448674	40.00	ug/l	0.00
10) Naphthalene-d8	15.83	136	1625405	40.00	ug/l	0.00
17) Acenaphthene-d10	21.13	164	873631	40.00	ug/l	0.00
30) Phenanthrene-d10	25.58	188	1168352	40.00	ug/l	0.00
38) Chrysene-d12	33.63	240	582083	40.00	ug/l	0.00
44) Perylene-d12	37.86	264	327577	40.00	ug/l	0.00
System Monitoring Compounds						
28) TCMX	23.27	209	36220	8.33	ug/L	0.00
Spiked Amount 10.000			Recovery = 83.30%			
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	15.88	128	849	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	22.62	149	723	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	25.64	178	503	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\9579.D Vial: 16
Acq On : 9 May 2002 1:15 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:45 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

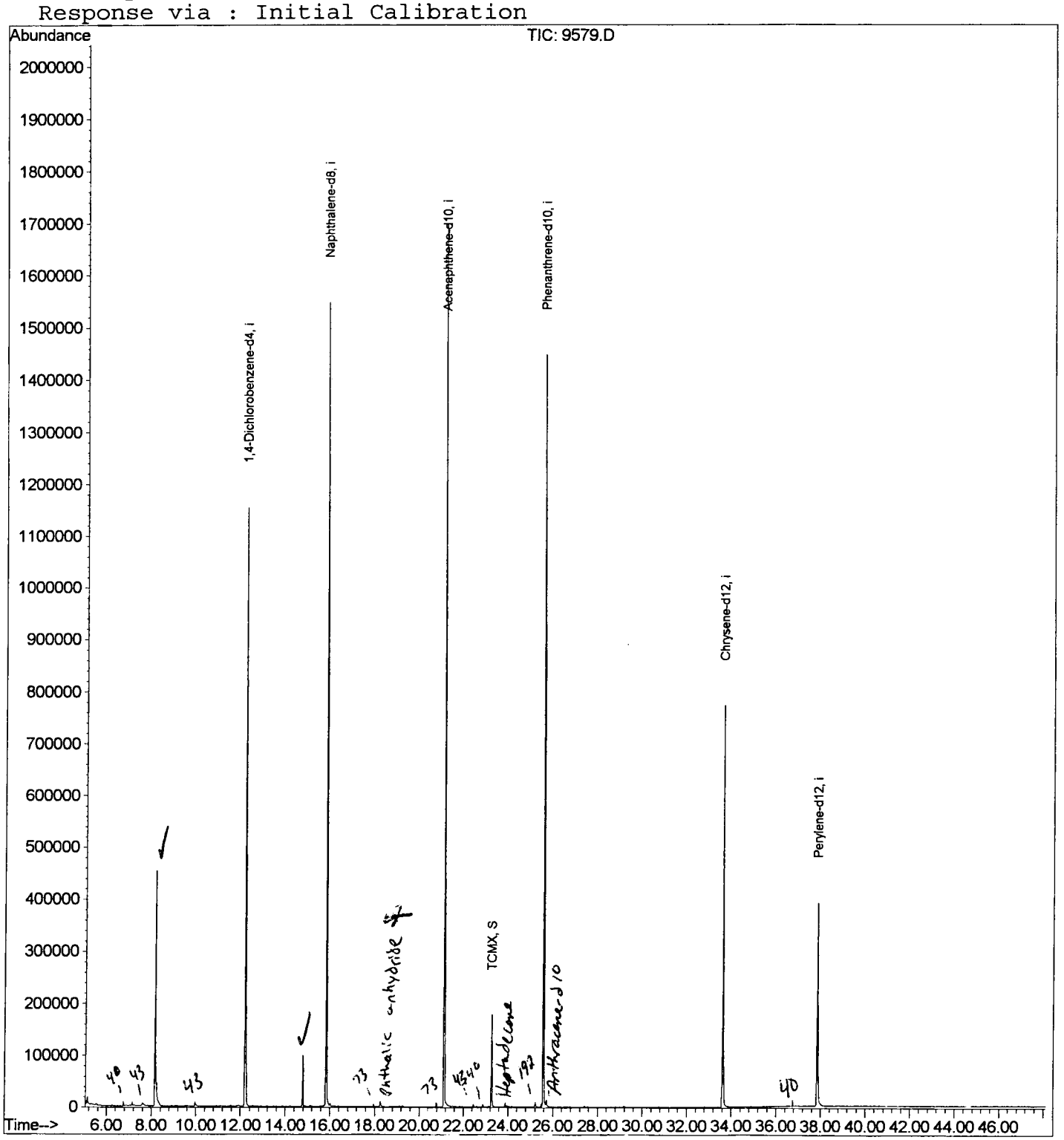
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Anthracene	25.64	178	503	N.D.	
36) Di-n-butylphthalate	27.55	149	2639	N.D.	
37) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	33.63	228	1639	N.D.	
42) Bis(2-ethylhexyl)phthalate	33.86	149	990	N.D.	
43) Chrysene	33.71	228	444	N.D.	
45) Di-n-Octylphthalate	0.00	149	0	N.D.	
46) Benzo(b)fluoranthene	36.76	252	172	N.D.	
47) Benzo(k)fluoranthene	36.76	252	172	N.D.	
48) Benzo(a)pyrene	37.87	252	1311	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

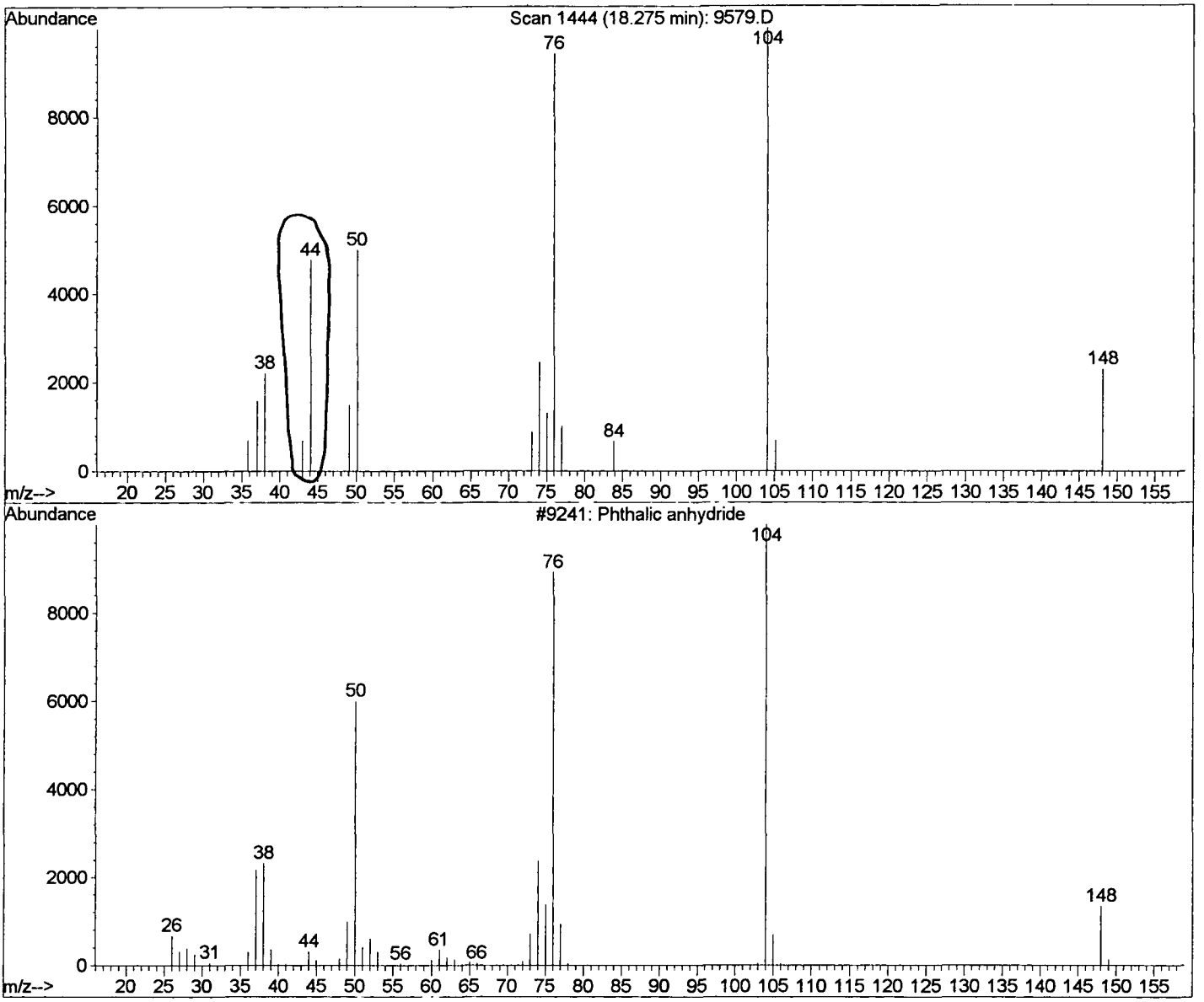
Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9579.D Vial: 16
Acq On : 9 May 2002 1:15 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:45 2002 Quant Results File: GCMS0507.RES

Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration



Library Searched : C:\DATABASE\nbs75k.l
Quality : 87
ID : Phthalic anhydride



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9579.D Vial: 16
Acq On : 9 May 2002 1:15 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0507.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

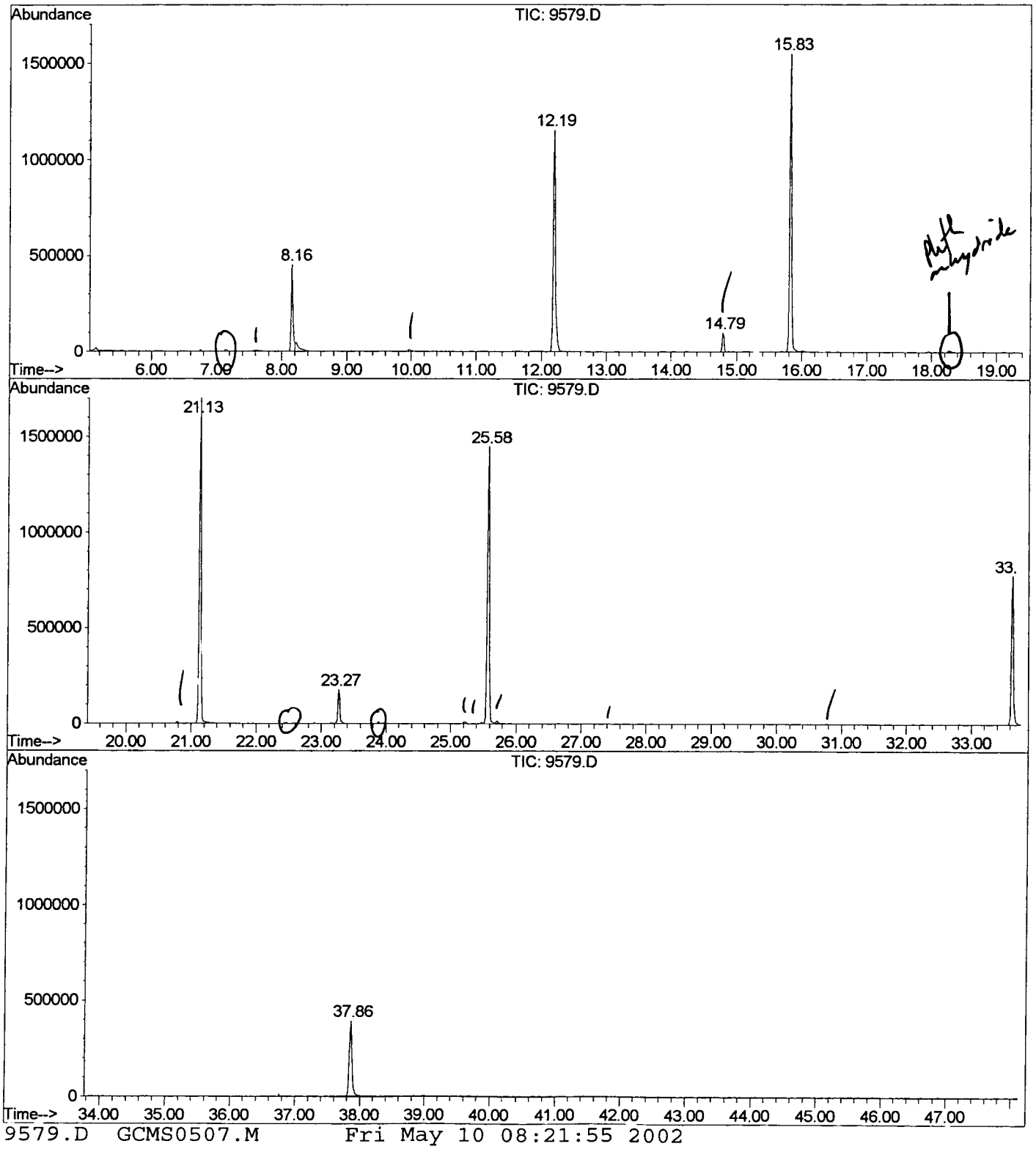
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.158	336	340	345	rBV	450955	909357	25.75%	5.423%
2	12.190	774	780	795	rVB	1153114	2554404	72.34%	15.234%
3	14.792	1058	1064	1070	rBV	99946	188842	5.35%	1.126%
4	15.828	1170	1177	1194	rBV	1545592	3202872	90.71%	19.101%
5	21.134	1749	1756	1771	rBV	1700794	3530913	100.00%	21.058%
6	23.269	1982	1989	1997	rBV2	177654	363872	10.31%	2.170%
7	25.578	2234	2241	2252	rBV2	1447134	3126727	88.55%	18.647%
8	33.633	3112	3120	3142	rBV2	773900	1747789	49.50%	10.423%
9	37.857	3573	3581	3599	rBV2	389867	1143023	32.37%	6.817%

Sum of corrected areas: 16767799

9579.D GCMS0507.M Fri May 10 08:21:54 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY0802\9579.D
Operator :
Acquired : 9 May 2002 1:15 am using AcqMethod GCMS0507
Instrument : 209
Sample Name: RE-EXT.
Misc Info :
Vial Number: 16
Quant File :GCMS0507.RES (RTE Integrator)



9579.D GCMS0507.M Fri May 10 08:21:55 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9579.D Vial: 16
Acq On : 9 May 2002 1:15 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

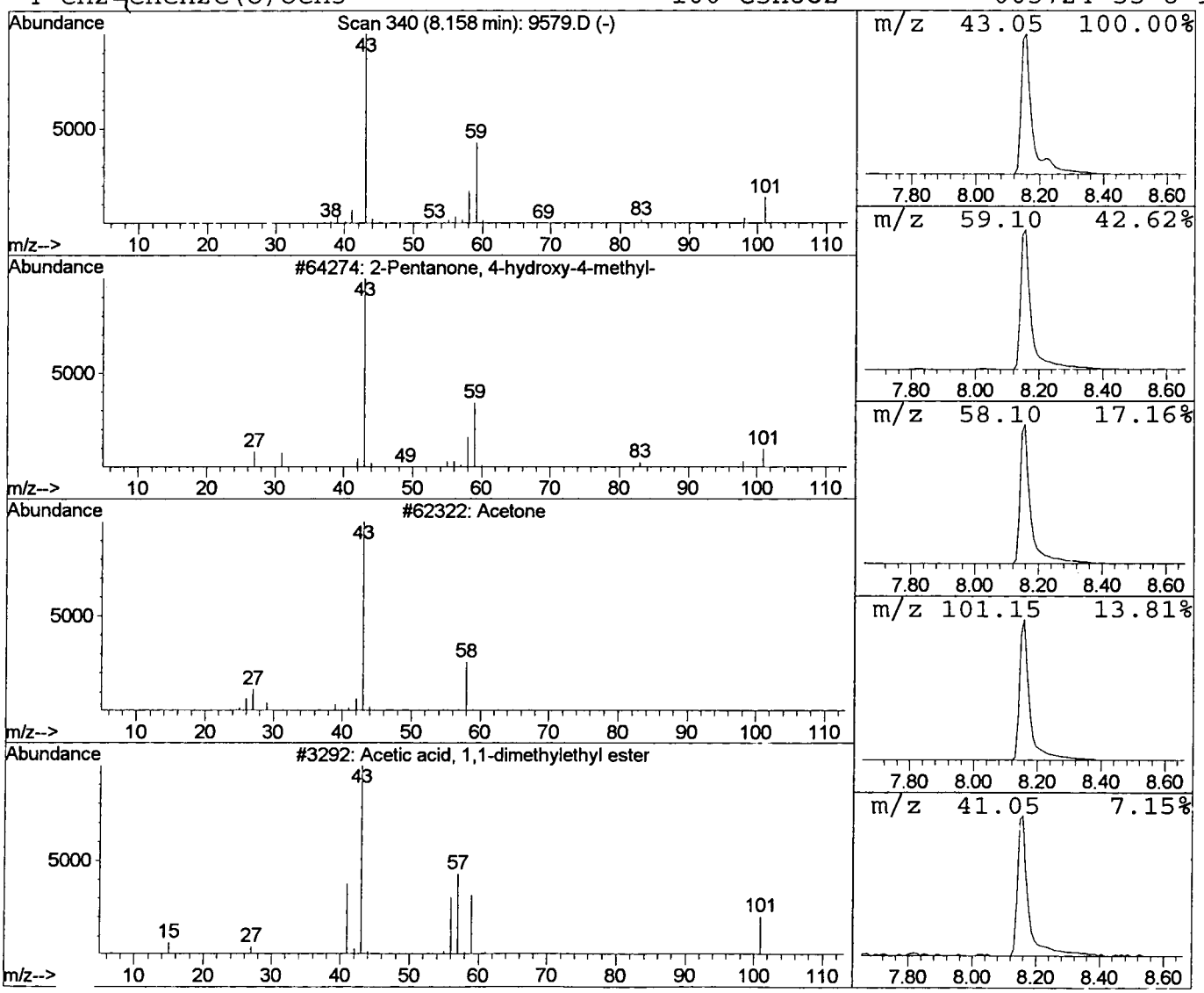
Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	14.24 ug/l	909357	1,4-Dichlorobenzene-d4	12.19

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	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	9
4	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9579.D Vial: 16
Acq On : 9 May 2002 1:15 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

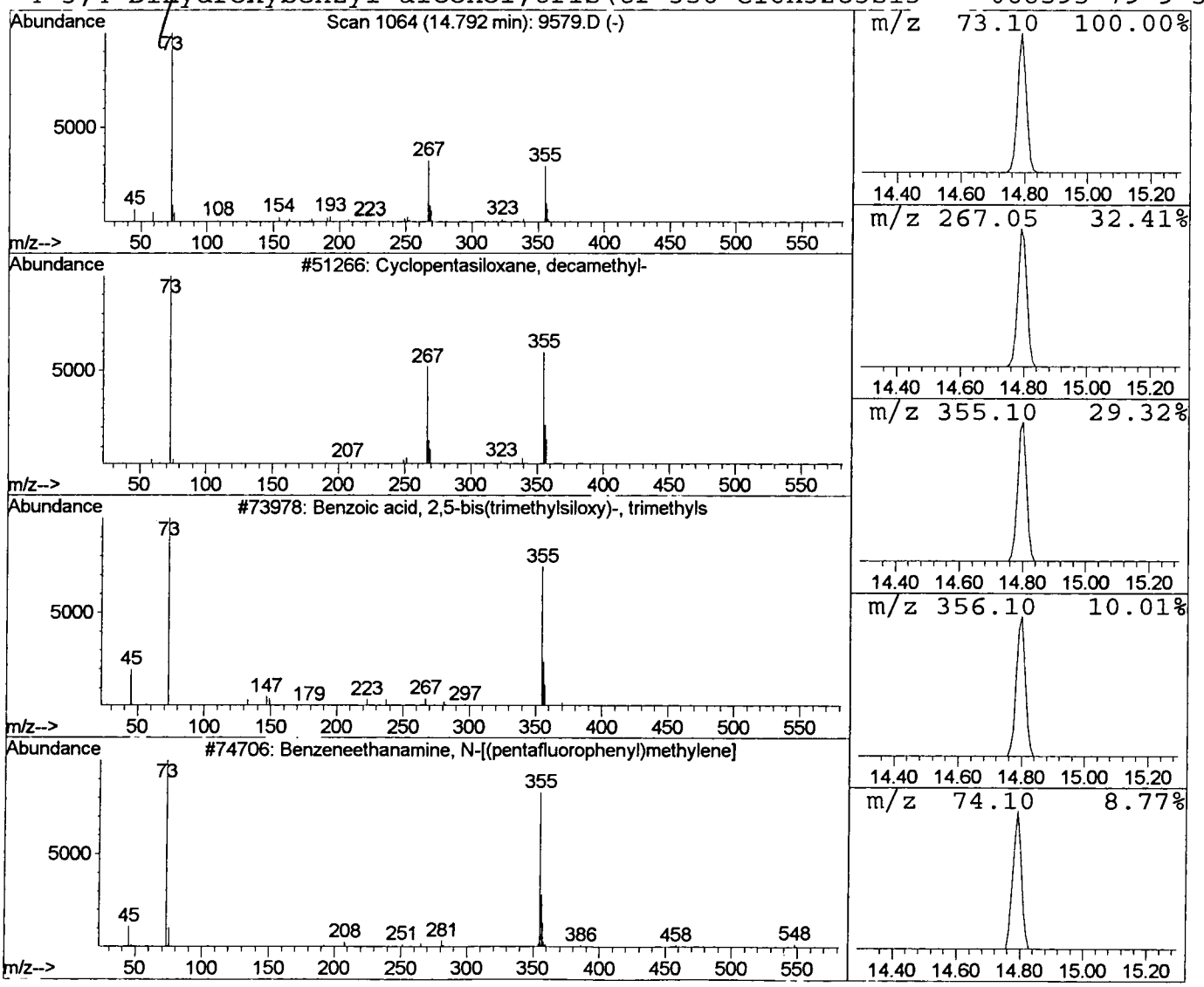
Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	2.36 ug/l	188842	Naphthalene-d8	15.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	80
2	Benzoic acid, 2,5-bis(trimethylsilo	370	C16H30O4Si3	003618-20-0	38
3	Benzeneethanamine, N-[(pentafluorop	563	C24H34F5NO3Si3	055429-13-5	38
4	3,4-Dihydroxybenzyl alcohol,tris(tr	356	C16H32O3Si3	068595-79-9	37



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 9 May 2002 1:15 am
Data File: C:\HPCHEM\1\DATA\MAY0802\9579.D
Name: RE-EXT.
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0507.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	8.16	14.2	ug/l	909357	ISTD01	12.19	2554400	40.0
Cyclopentasiloxane,	14.79	2.4	ug/l	188842	ISTD02	15.83	3202870	40.0

9579.D GCMS0507.M Fri May 10 08:21:58 2002