User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/18/2002 Time: 10:55:03

Sample: AE04945
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/18/2002 10:53 Ended: 4/18/2002 10:53 Analyst: DLV
Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds		.	
2	Surr_2,4-DDD		84	5.0

omments for Sample AE04945 - Analysis $GCMS

/estchester Dept. of Labs & Research
ser: Vinci, David L
ate: 04-18-2002 Time: 10:56:27

he GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual
ompounds. This sample was extracted and analyzed twice.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020410\04945.D Vial: 11
Acq On : 10 Apr 2002 7:47 pm Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 11 15:54:08 2002 Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Thu Apr 11 15:44:30 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.66	152	2366060	20.00	ug/l	-0.01
10) Naphthalene-d8	15.77	136	8929402	20.00	ug/l	-0.02
17) Acenaphthene-d10	23.66	164	4885691	20.00	ug/l	-0.01
31) Phenanthrene-d10	30.89	188	7805862	20.00	ug/l	-0.01
39) Chrysene-d12	39.09	240	5693969	20.00	ug/l	-0.02
45) Perylene-d12	0.00	264	0m	20.00	ug/l	-42.31
System Monitoring Compounds						
28) TCMX	26.73	207	197179	3.37	ug/l	0.17
Spiked Amount 4.000			Recovery = 84.25%			
38) 2,4-DDD	0.00	235	0	0.00	ug/ml	
Spiked Amount 5.000			Recovery = 0.00%			

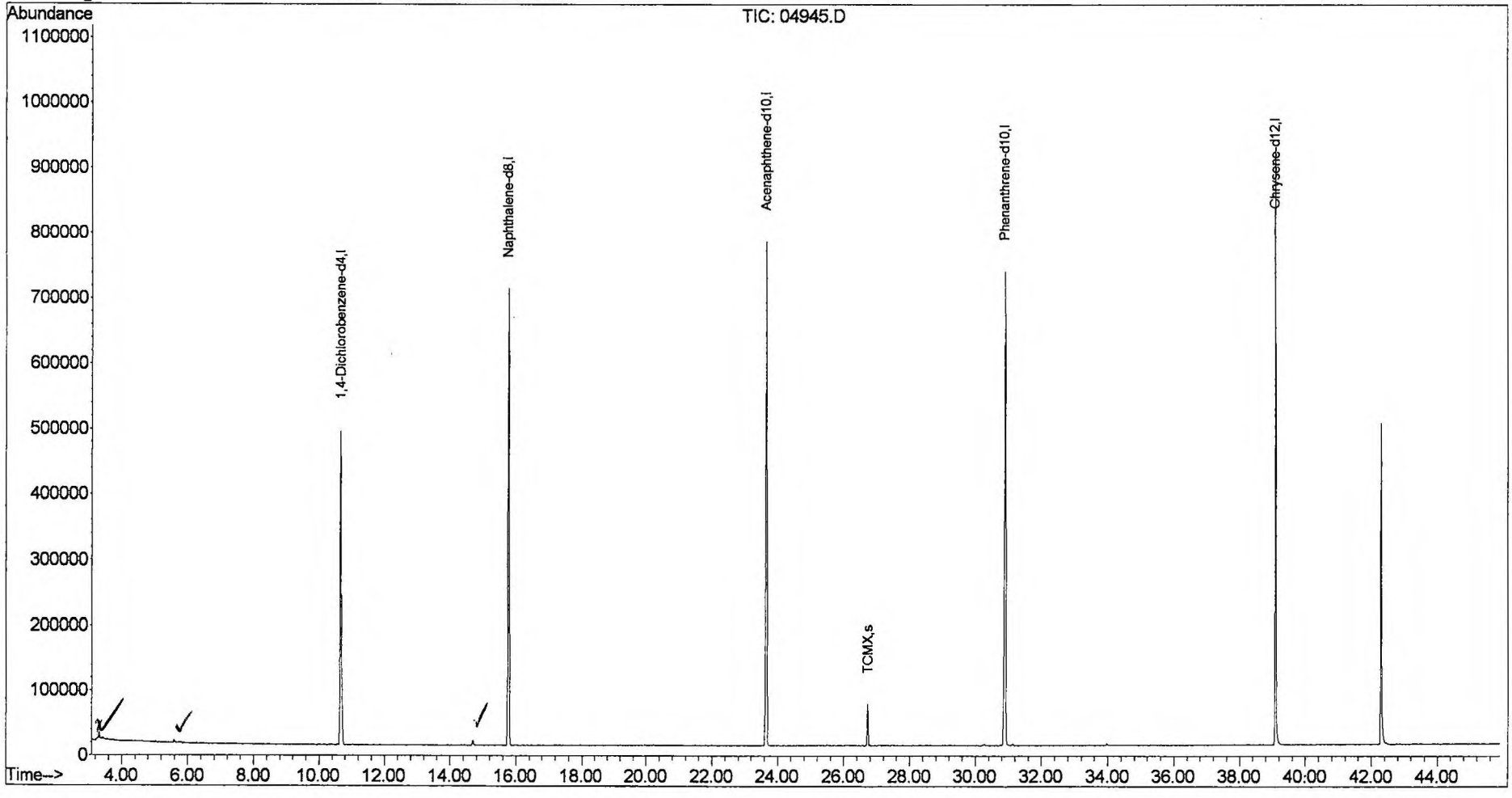
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020410\04945.D Vial: 11
Acq On : 10 Apr 2002 7:47 pm Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 11 15:54 2002 Quant Results File: SCANAPR0902.RES

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Thu Apr 11 15:44:30 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020410\04945.D Vial: 11
Acq On : 10 Apr 2002 7:47 pm Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan

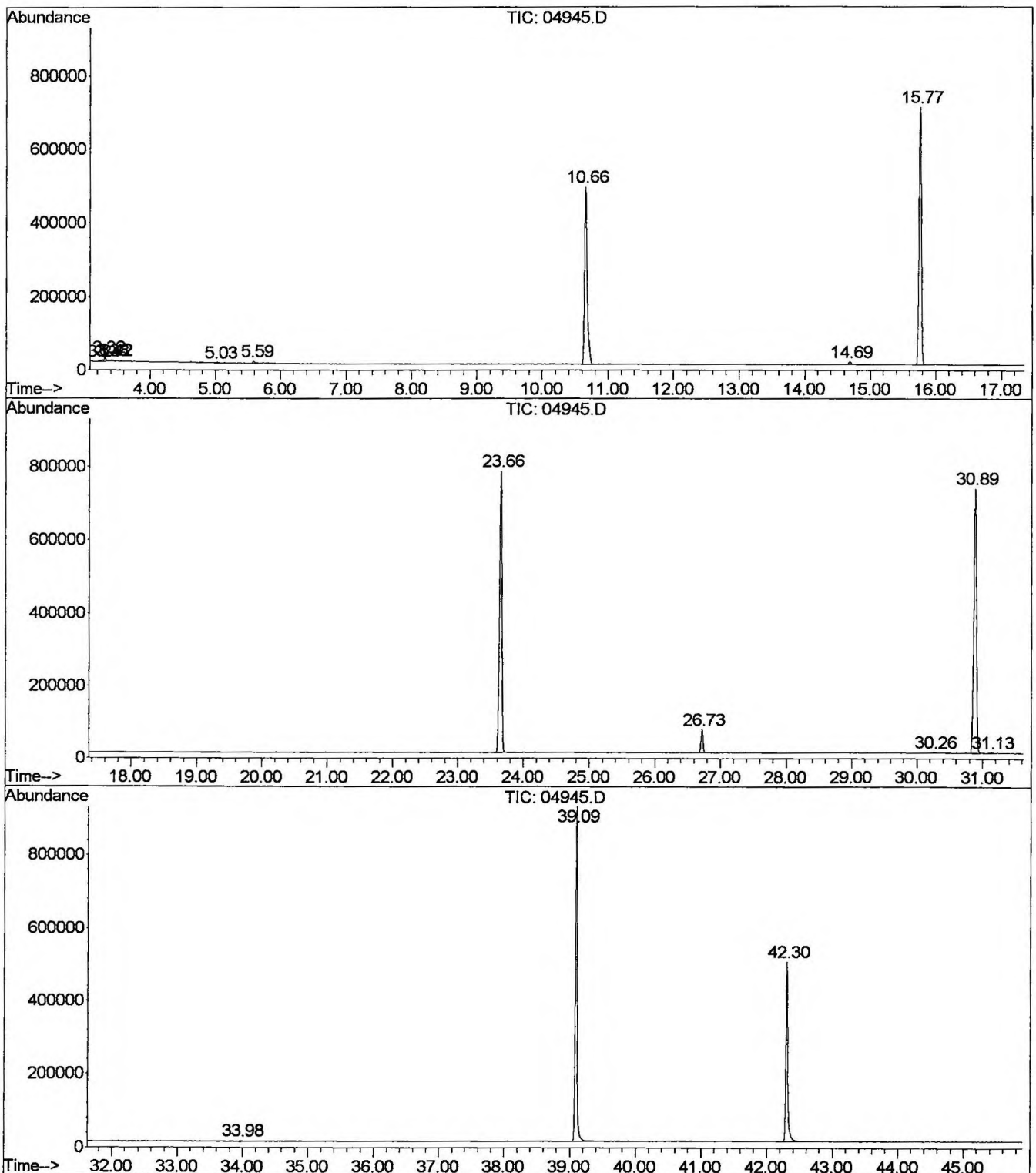
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.238	22	27	28	PV 3	2314	32433	0.16%	0.033%
2	3.314	28	40	46	VV 2	11683	288088	1.43%	0.291%
3	3.361	46	48	49	VV	2523	23872	0.12%	0.024%
4	3.379	49	51	55	VV 2	2442	38795	0.19%	0.039%
5	3.420	55	58	69	VV 3	3532	81076	0.40%	0.082%
6	5.030	327	332	336	PV 2	1520	22330	0.11%	0.023%
7	5.588	423	427	440	VV	5126	116661	0.58%	0.118%
8	10.659	1278	1290	1312	VV	481030	13353708	66.18%	13.491%
9	14.689	1969	1976	1987	VV 4	7664	199484	0.99%	0.202%
10	15.770	2148	2160	2175	PV	696325	17450075	86.49%	17.629%
11	23.655	3478	3502	3515	PV	767963	19819209	98.23%	20.022%
12	26.728	4016	4025	4033	VV 2	62742	1357532	6.73%	1.371%
13	30.265	4615	4627	4635	PV 2	2042	62446	0.31%	0.063%
14	30.894	4720	4734	4758	VV 2	725813	20176616	100.00%	20.383%
15	31.135	4768	4775	4787	VV 2	2218	64387	0.32%	0.065%
16	33.979	5252	5259	5269	PV 2	2631	61289	0.30%	0.062%
17	39.091	6117	6129	6159	PV 2	893433	16494349	81.75%	16.663%
18	42.299	6666	6675	6706	PV	484800	9342824	46.31%	9.439%

Sum of corrected areas: 98985174

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020410\04945.D
Operator : Nefliu
Acquired : 10 Apr 2002 7:47 pm using AcqMethod 508SCAN1
Instrument : Instrumen
Sample Name: sample
Misc Info :
Vial Number: 11
Quant File :SCANAPR0902.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020410\04945.D Vial: 11
Acq On : 10 Apr 2002 7:47 pm Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

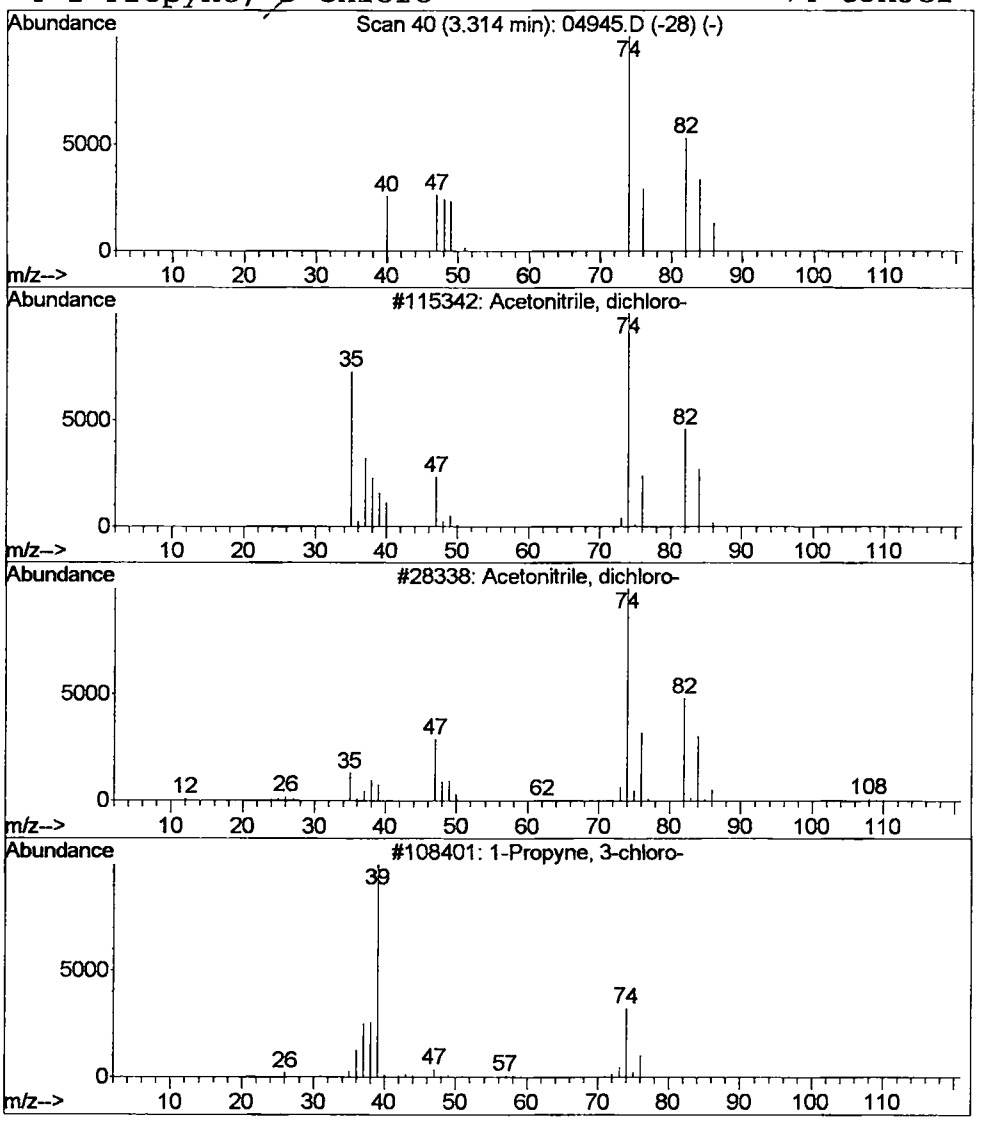
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

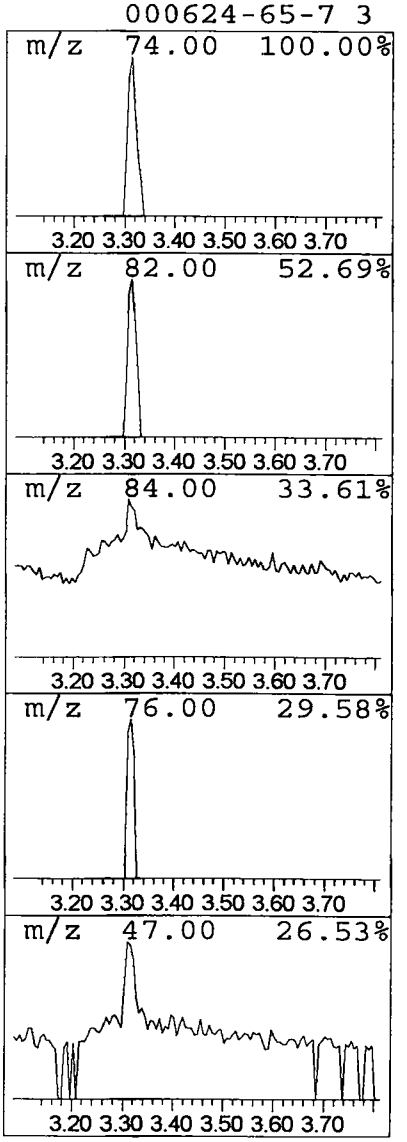
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.32	0.43 ug/l	288088	1,4-Dichlorobenzene-d4	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	50
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	50
3	1-Propyne, 3-chloro-	74	C3H3Cl	000624-65-7	4
4	1-Propyne, 3-chloro-	74	C3H3Cl	000624-65-7	3





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020410\04945.D Vial: 11
Acq On : 10 Apr 2002 7:47 pm Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

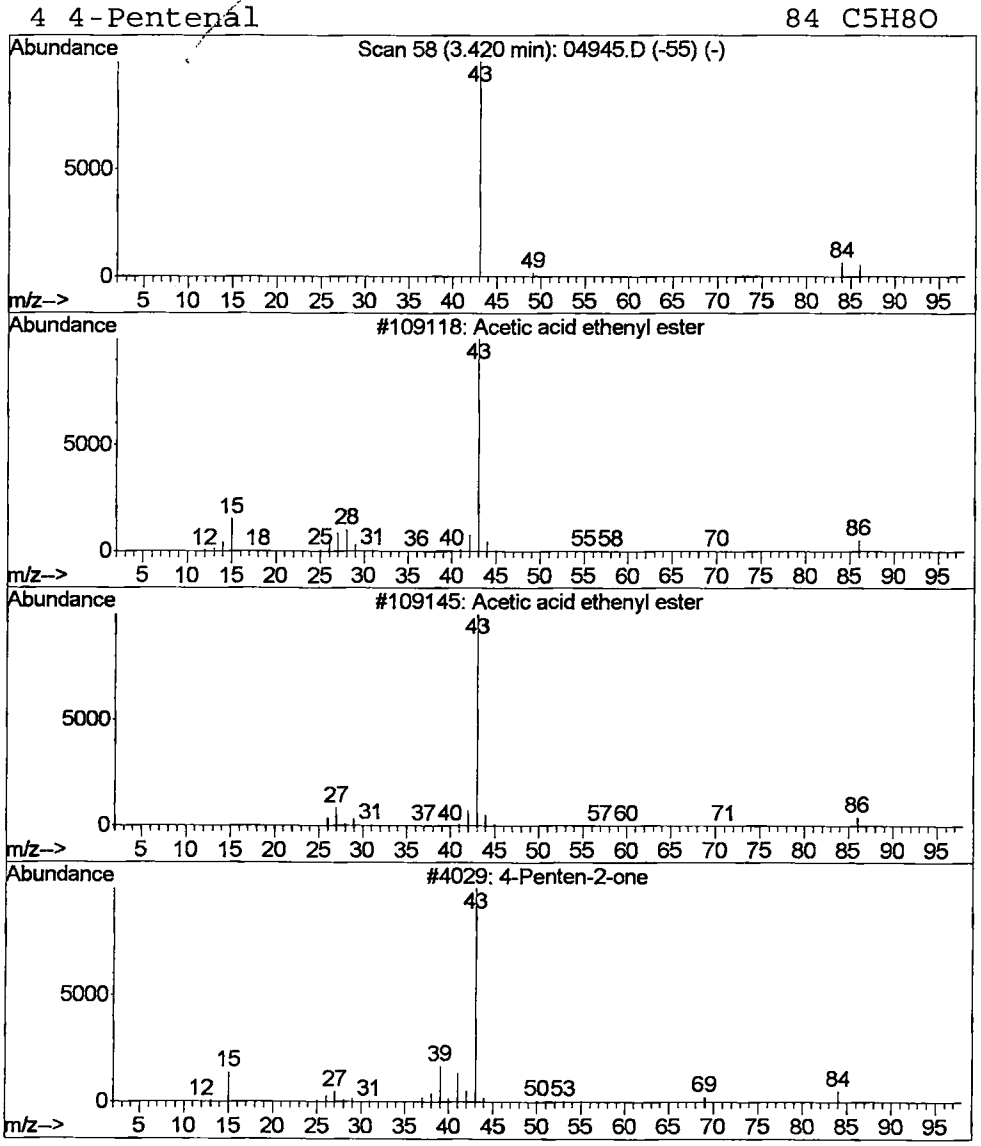
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

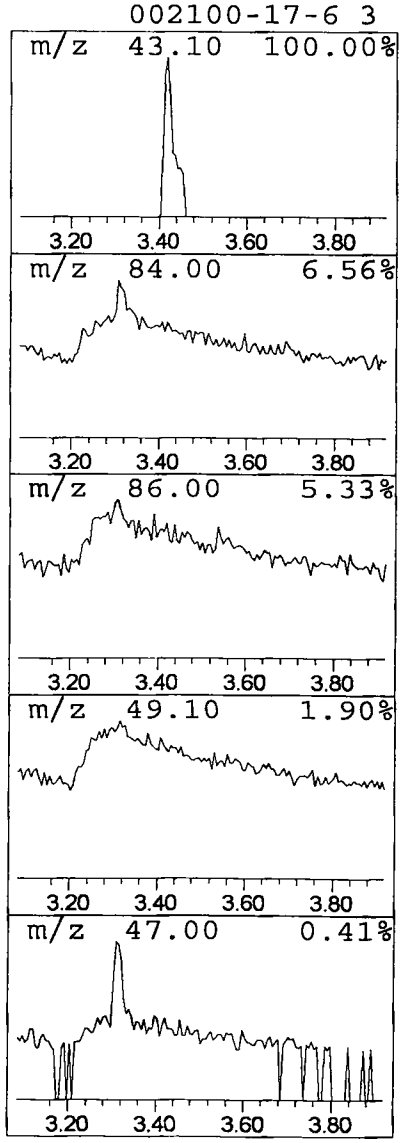
****

Peak Number 2 Acetic acid ethenyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	0.12 ug/l	81076	1,4-Dichlorobenzene-d4	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	3
2	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	3
3	4-Penten-2-one	84	C5H8O	013891-87-7	3
4	4-Pentenal	84	C5H8O	002100-17-6	3





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020410\04945.D Vial: 11
Acq On : 10 Apr 2002 7:47 pm Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

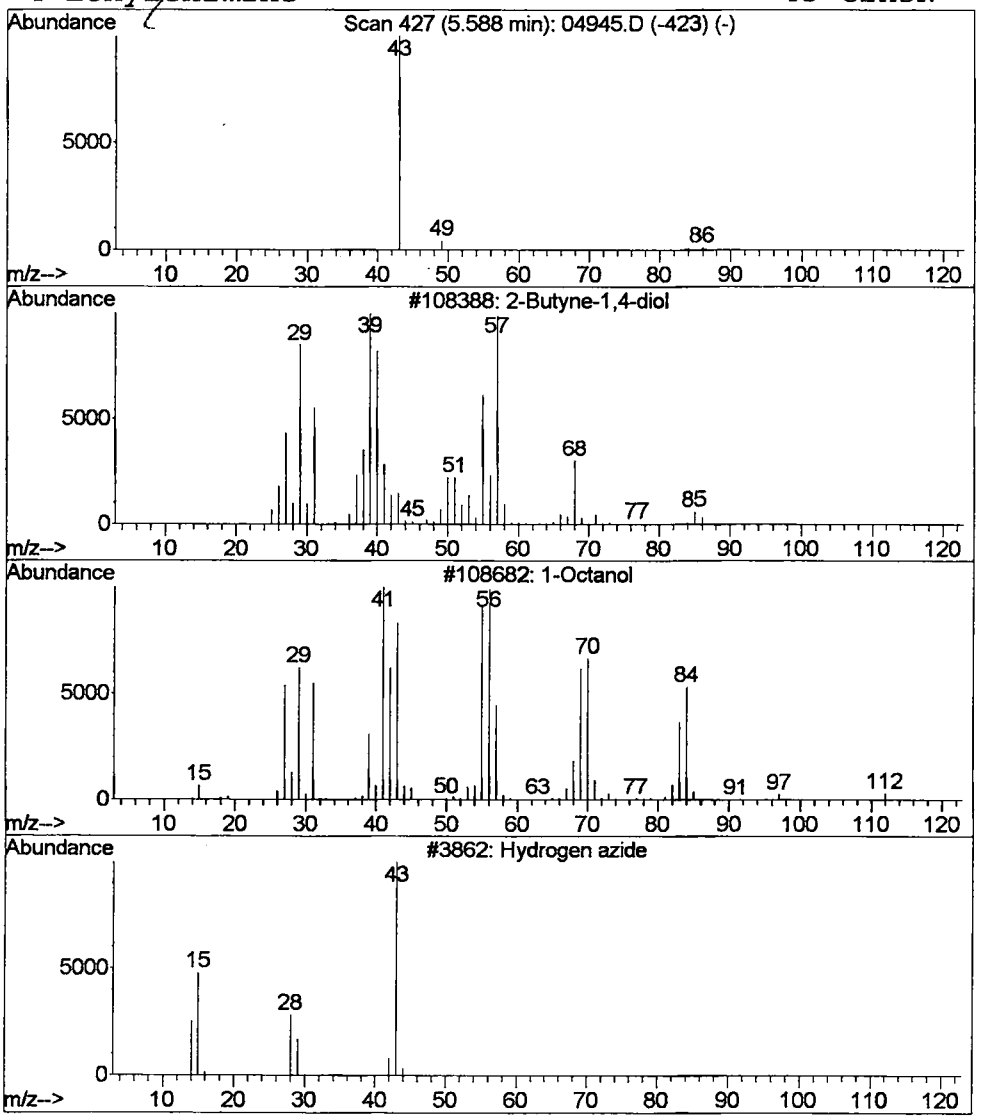
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

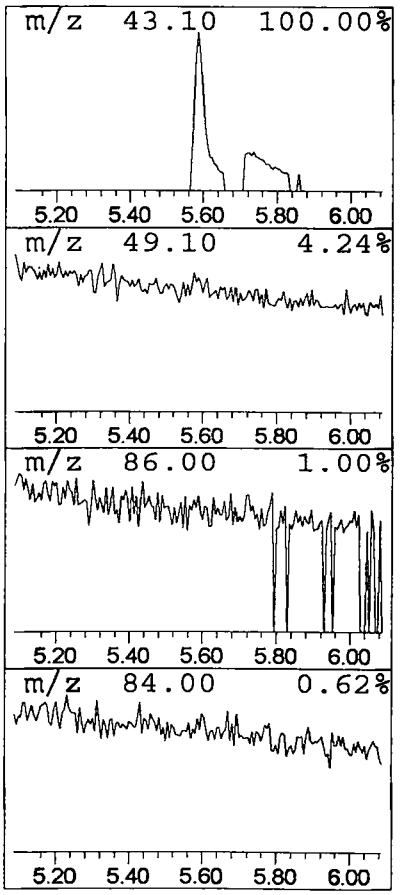
****

Peak Number 3 2-Butyne-1,4-diol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	0.17 ug/l	116661	1,4-Dichlorobenzene-d4	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyne-1,4-diol	86	C4H6O2	000110-65-6	2
2	1-Octanol	130	C8H18O	000111-87-5	1
3	Hydrogen azide	43	HN3	007782-79-8	1
4	Ethylenimine	43	C2H5N	000151-56-4	1





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020410\04945.D Vial: 11
Acq On : 10 Apr 2002 7:47 pm Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

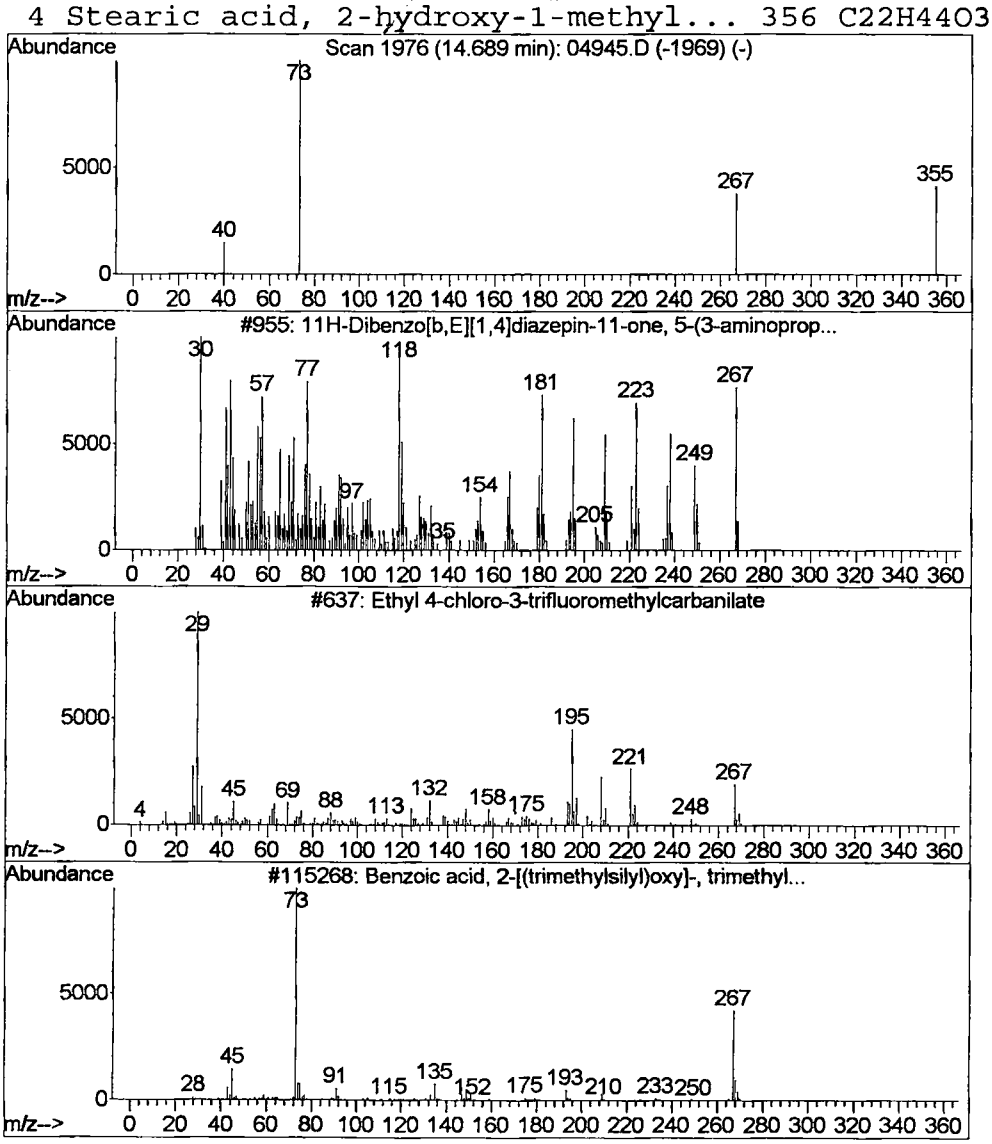
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

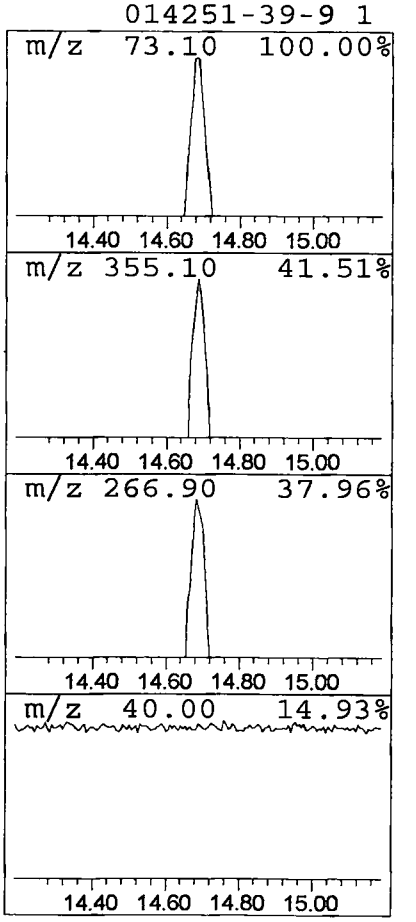
****

Peak Number 4 11H-Dibenzo[b,E][1,4]diazep... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	0.23 ug/l	199484	Naphthalene-d8	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,E][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	2
2	Ethyl 4-chloro-3-trifluoromethyl...	267	C10H9ClF3NO2	018585-06-3	2
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	2
4	Stearic acid, 2-hydroxy-1-methyl...	356	C22H44O3	014251-39-9	1





Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 10 Apr 2002 7:47 pm
Data File: C:\MSDCHEM\1\DATA\020410\04945.D
Name: sample
Misc:
Method: C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title: Method 508 GC/MS Scan
Library Searched: C:\DATABASE\nist98.l

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Acetonitrile, dic...	3.32	0.4	ug/l	288088	1	10.66	13353700	20.0
Acetic acid ethen...	3.42	0.1	ug/l	81076	1	10.66	13353700	20.0
2-Butyne-1,4-diol	5.59	0.2	ug/l	116661	1	10.66	13353700	20.0
11H-Dibenzo[b,E][...	14.69	0.2	ug/l	199484	2	15.77	17450100	20.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR3002\4945.D Vial: 12
Acq On : 30 Mar 2002 1:52 am Operator:
Sample : gc/ms scan 3/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 30 2:41 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 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	456827	20.00	ug/l	-0.11
10) Naphthalene-d8	15.88	136	1669707	20.00	ug/l	-0.12
17) Acenaphthene-d10	21.19	164	933807	20.00	ug/l	-0.13
29) Phenanthrene-d10	25.63	188	1309085	20.00	ug/l	-0.14
38) Chrysene-d12	33.69	240	621695	20.00	ug/l	-0.15
44) Perylene-d12	37.93	264	340535	20.00	ug/l	-0.19
System Monitoring Compounds						
37) 2,4-DDD	30.71	235	74745	5.69	ug/mL	0.21
Spiked Amount 5.000			Recovery = 113.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.48	74	982	N.D.		
3) bis(2-Chloroethyl)ether	11.50	93	3094	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	463	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	20.53	163	2085	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	4823	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	22.81	166	175	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\MAR3002\4945.D Vial: 12
Acq On : 30 Mar 2002 1:52 am Operator:
Sample : gc/ms scan 3/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 30 2:41 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

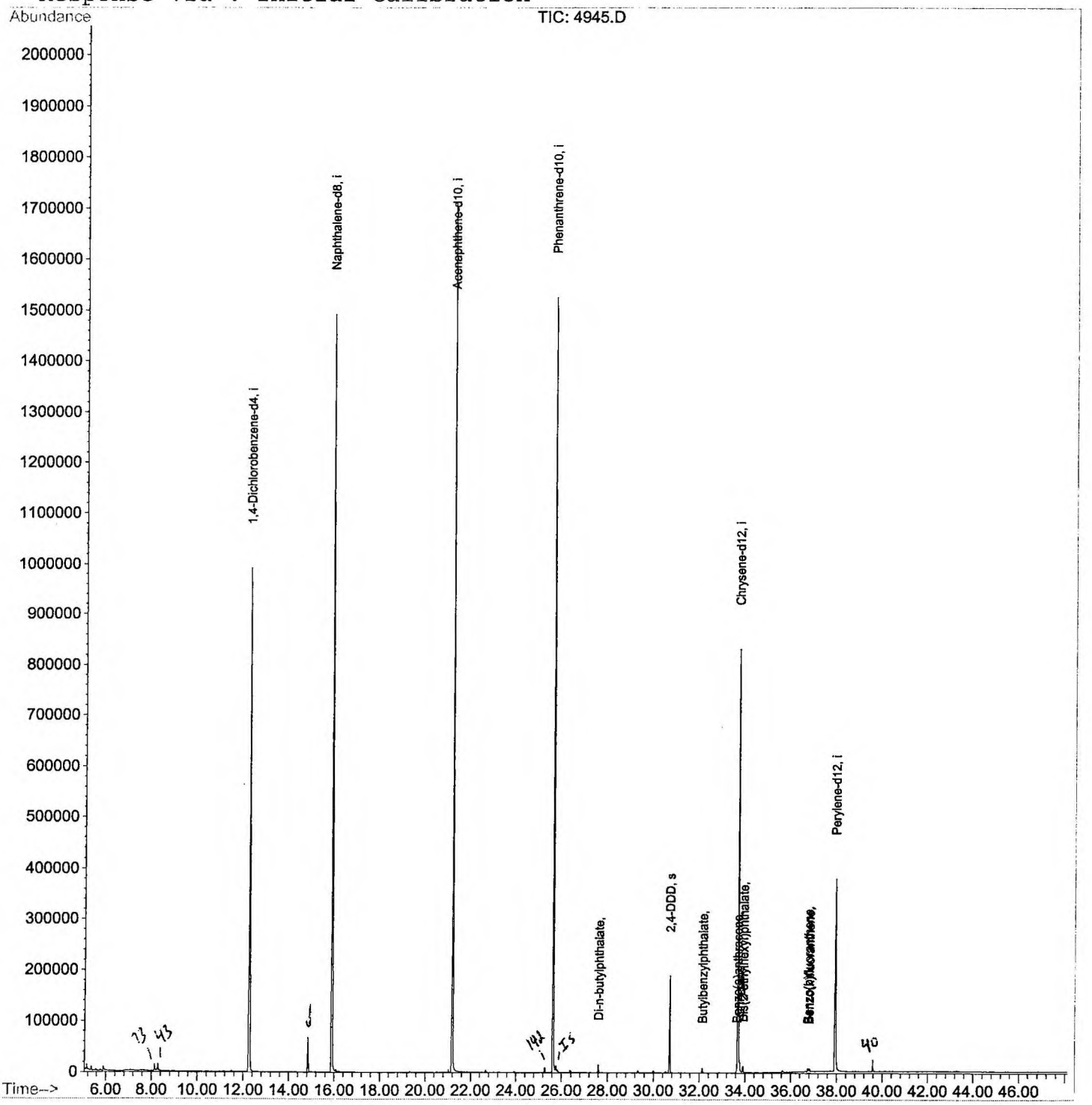
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30) N-Nitrosodiphenylamine	23.22	168	545	N.D.	
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32) Hexachlorobenzene	24.72	284	175	N.D.	
33) Phenanthrene	25.70	178	4201	N.D.	
34) Anthracene	25.70	178	4201	N.D.	
35) Di-n-butylphthalate	27.60	149	18610	0.26 ug/l #	97
36) Fluoranthene	29.33	202	4812	N.D.	
39) Pyrene	30.00	202	4629	N.D.	
40) Butylbenzylphthalate	32.13	149	5587	0.30 ug/l	91
41) Benzo(a)anthracene	33.64	228	9723	0.33 ug/l	96
42) Bis(2-ethylhexyl)phthalate	33.91	149	8151	0.33 ug/l	93
43) Chrysene	33.76	228	12038	0.41 ug/l	97
45) Di-n-Octylphthalate	35.65	149	4731	N.D.	
46) Benzo(b)fluoranthene	36.75	252	6730	0.32 ug/l #	87
47) Benzo(k)fluoranthene	36.82	252	8976	0.44 ug/l #	91
48) Benzo(a)pyrene	37.74	252	3274	N.D.	
49) Indeno(1,2,3-cd)pyrene	42.07	276	3372	N.D.	
50) Dibenz(a,h)anthracene	42.15	278	2608	N.D.	
51) Benzo(g,h,i)perylene	43.29	276	3570	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR3002\4945.D Vial: 12
Acq On : 30 Mar 2002 1:52 am Operator:
Sample : gc/ms scan 3/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 30 2:41 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR3002\4945.D Vial: 12
Acq On : 30 Mar 2002 1:52 am Operator:
Sample : gc/ms scan 3/6 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

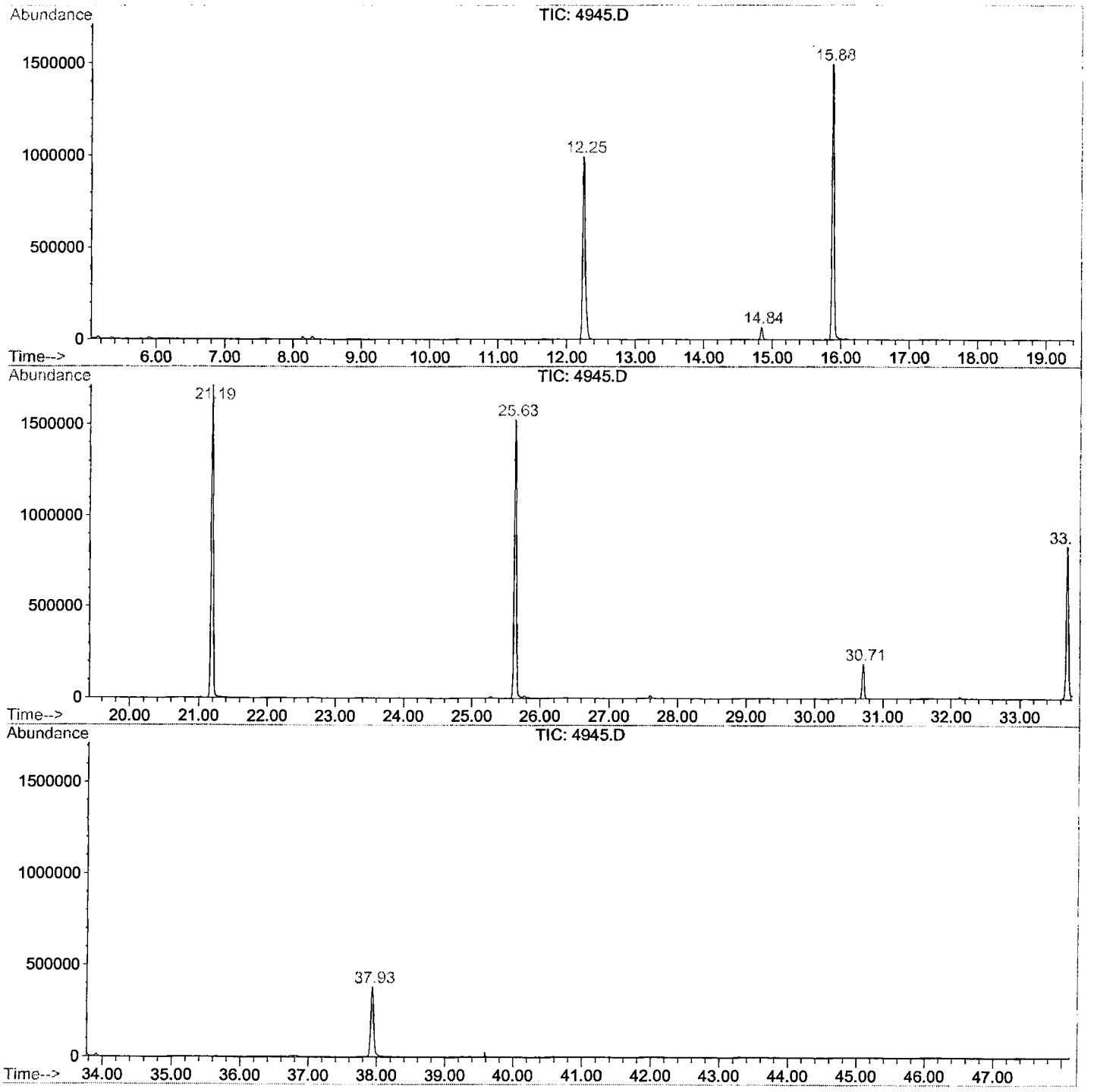
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.245	779	784	798	rBV	990645	2459692	68.75%	15.460%
2	14.843	1061	1067	1073	rBV	67610	133465	3.73%	0.839%
3	15.881	1174	1180	1198	rBV	1492796	3163906	88.43%	19.886%
4	21.187	1752	1758	1771	rBV	1712604	3577737	100.00%	22.487%
5	25.630	2235	2242	2254	rBV2	1525861	3292049	92.01%	20.692%
6	30.707	2790	2795	2802	rVB	189654	365252	10.21%	2.296%
7	33.690	3109	3120	3126	rBV2	833413	1785862	49.92%	11.225%
8	37.932	3575	3582	3597	rBV2	378494	1132051	31.64%	7.115%

Sum of corrected areas: 15910014

4945.D GCMS0308.M Tue Apr 02 11:07:59 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR3002\4945.D
Operator :
Acquired : 30 Mar 2002 1:52 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/6
Misc Info :
Vial Number: 12
Quant File :GCMS0308.RES (RTE Integrator)



4945.D GCMS0308.M Tue Apr 02 11:08:04 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR3002\4945.D Vial: 12
Acq On : 30 Mar 2002 1:52 am Operator:
Sample : gc/ms scan 3/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

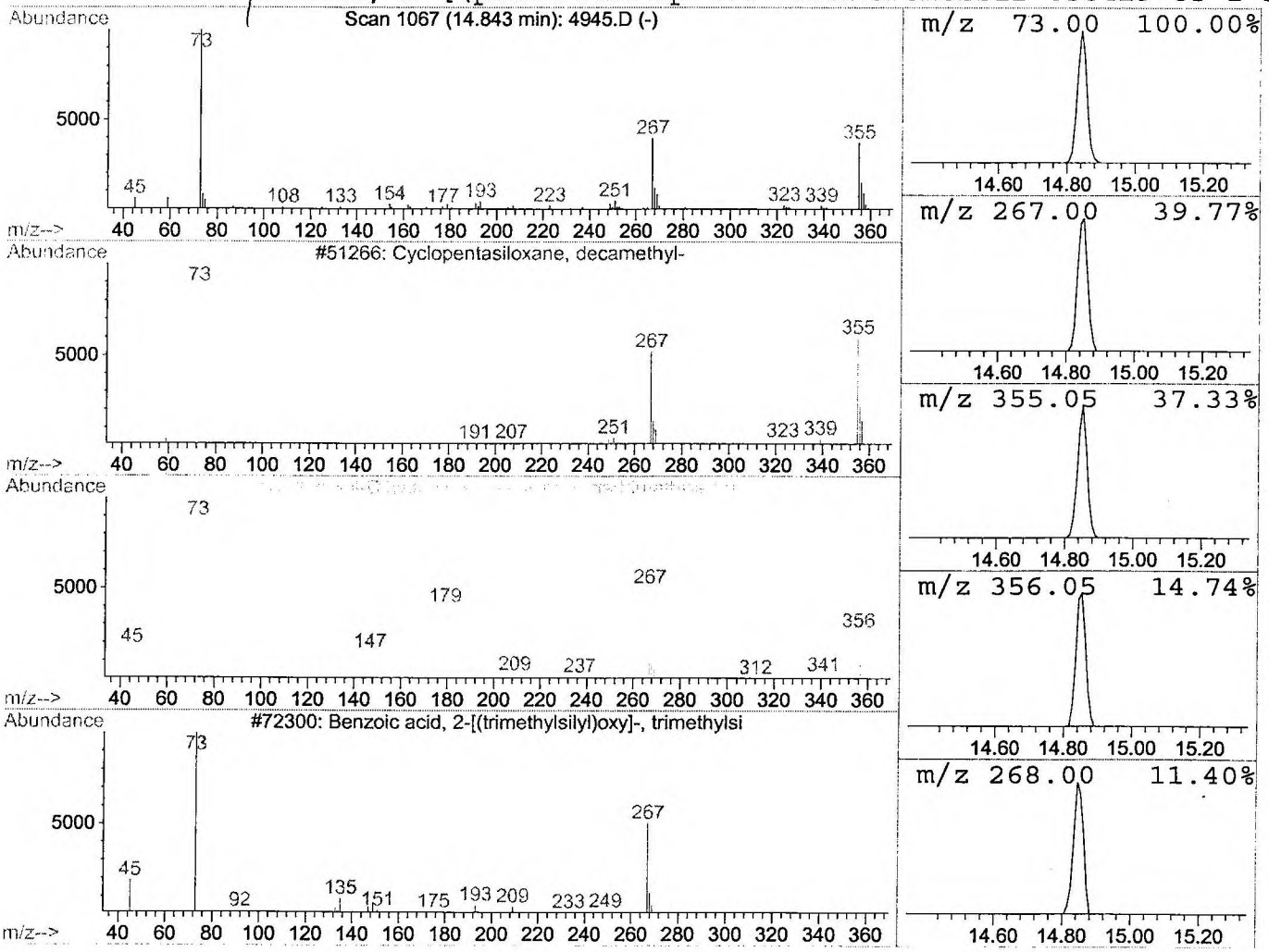
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclopentasiloxane, decamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	0.84 ug/l	133465	Naphthalene-d8	15.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	53
2	3,4-Dihydroxybenzyl alcohol,tris(tr	356	C16H32O3Si3	068595-79-9	50
3	Benzoic acid, 2-[(trimethylsilyl)ox	282	C13H22O3Si2	003789-85-3	38
4	Benzeneethanamine, N-[(pentafluorop	475	C21H26F5NO2Si2	055429-85-1	38



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 30 Mar 2002 1:52 am
Data File: C:\HPCHEM\1\DATA\MAR3002\4945.D
Name: gc/ms scan 3/6
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
~~Cyclopentasiloxane~~,	14.84	0.8	ug/l	133465	ISTD02	15.88	3163910	20.0

4945.D GCMS0308.M Tue Apr 02 11:08:13 2002