User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/25/2002 Time: 15:34:57

Sample: AE07770
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/25/02 15:31 Ended: 4/25/02 15:31 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		82		10.0

Comments for Sample AE07770 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-25-2002 Time: 15:35:45

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020404\07770.D Vial: 24
Acq On : 5 Apr 2002 4:21 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 05 08:24:35 2002 Quant Results File: SCAN020403.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Thu Apr 04 08:40:00 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

Soval. Original 6K

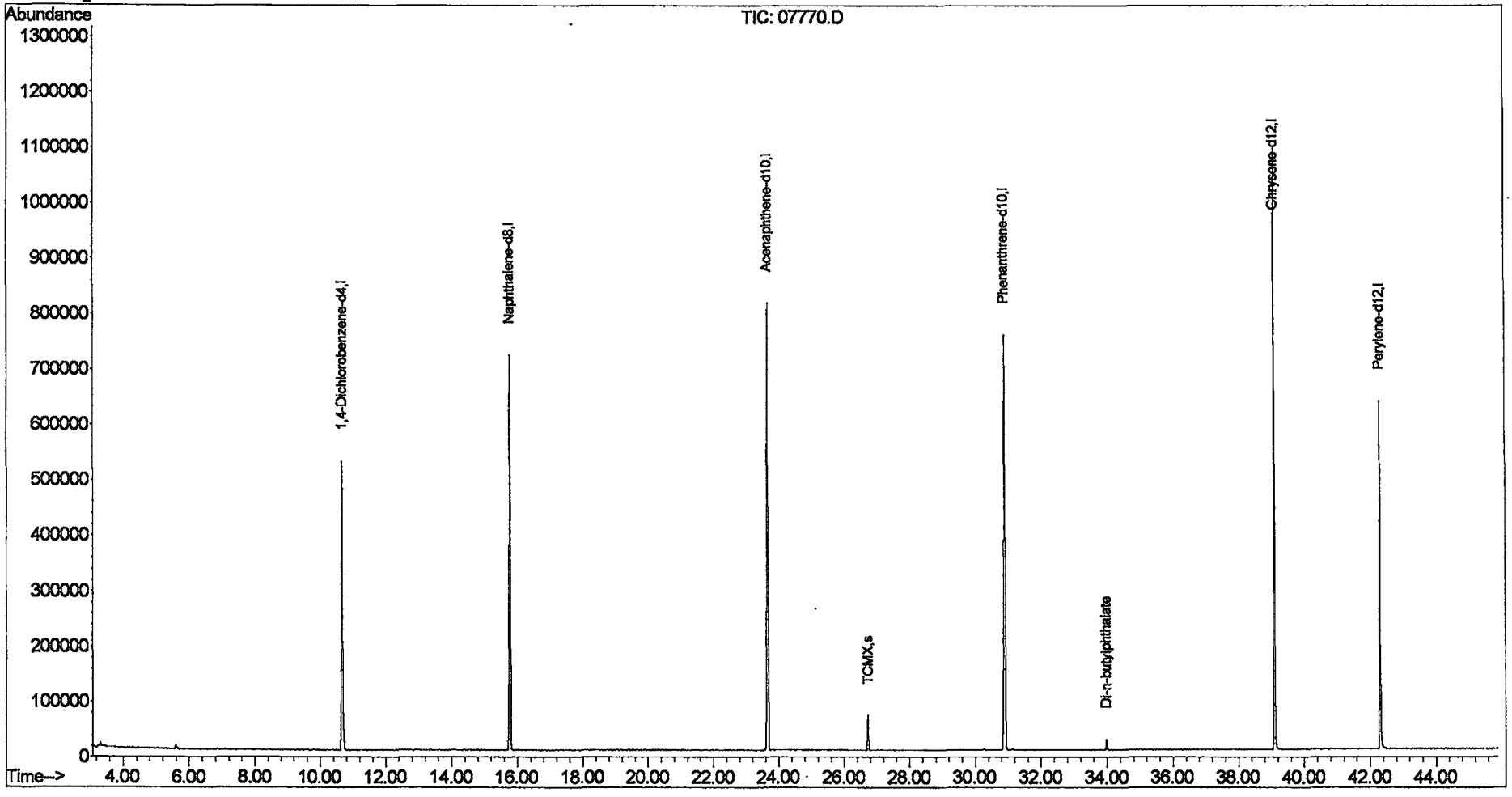
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.66	152	2504950	20.00	ug/l	0.00
10) Naphthalene-d8	15.77	136	9268032	20.00	ug/l	0.00
17) Acenaphthene-d10	23.66	164	5313032	20.00	ug/l	-0.01
31) Phenanthrene-d10	30.89	188	8622865	20.00	ug/l	0.00
39) Chrysene-d12	39.09	240	6648939	20.00	ug/l	-0.02
45) Perylene-d12	42.30	264	3330602	20.00	ug/l	-0.01
System Monitoring Compounds						
28) TCMX	26.72	207	212154	4.08	ug/l	0.00
Spiked Amount 5.000			Recovery = 81.60%			
Target Compounds						Qvalue
36) Di-n-butylphthalate	33.98	149	277545	0.58	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
07770.D SCAN020403.M Fri Apr 05 14:34:48 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020404\07770.D Vial: 24
Acq On : 5 Apr 2002 4:21 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 5 14:34 2002 Quant Results File: SCAN020403.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Fri Apr 05 14:03:06 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020404\07770.D Vial: 24
Acq On : 5 Apr 2002 4:21 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan

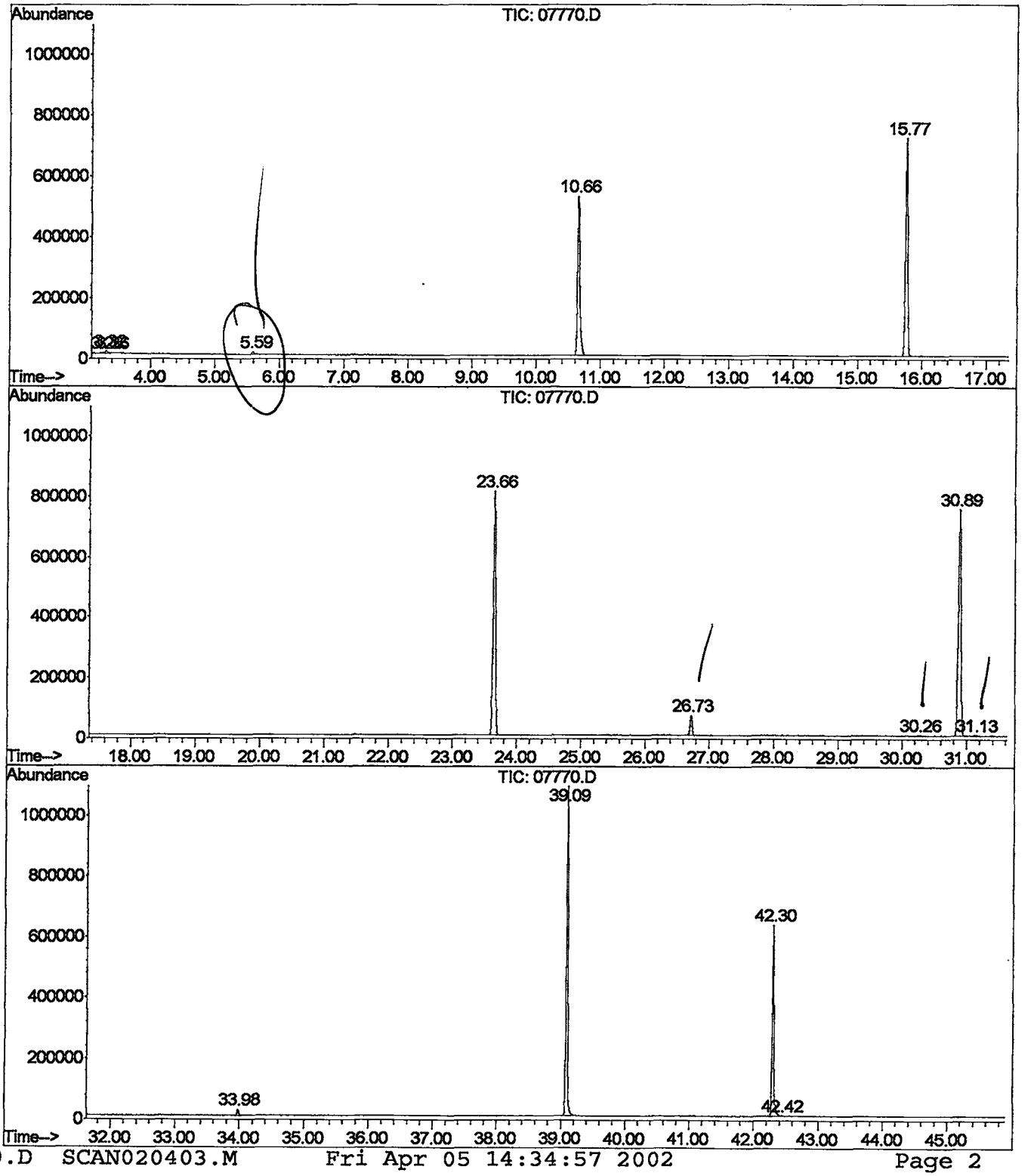
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.261	22	31	36	PV 3	2966	109734	0.51%	0.105%
2	3.320	36	41	46	VV 2	9090	165628	0.78%	0.159%
3	3.355	46	47	51	VV	3467	47917	0.22%	0.046%
4	5.588	421	427	438	PV 2	7390	167224	0.78%	0.161%
5	10.659	1280	1290	1309	PV	524280	13112132	61.50%	12.599%
6	15.765	2147	2159	2175	PV	706188	17433284	81.77%	16.751%
7	23.656	3488	3502	3513	VV	794225	20559353	96.43%	19.754%
8	26.728	4016	4025	4035	PV 2	63681	1414854	6.64%	1.359%
9	30.266	4620	4627	4634	PV 2	2104	61610	0.29%	0.059%
10	30.894	4717	4734	4754	VV 2	750503	21319530	100.00%	20.485%
11	31.129	4766	4774	4783	PV 2	2717	72024	0.34%	0.069%
12	33.979	5253	5259	5269	VV	19704	371764	1.74%	0.357%
13	39.091	6120	6129	6149	PV 2	1050891	18413829	86.37%	17.693%
14	42.299	6664	6675	6695	PV	613412	10797198	50.64%	10.374%
15	42.422	6695	6696	6703	VV	1691	28609	0.13%	0.027%

Sum of corrected areas: 104074691

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020404\07770.D
Operator : Nefliu
Acquired : 5 Apr 2002 4:21 am using AcqMethod 508SCAN1
Instrument : Instrumen
Sample Name: sample
Misc Info :
Vial Number: 24
Quant File :SCAN020403.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07770.D Vial: 24
Acq On : 5 Apr 2002 4:21 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

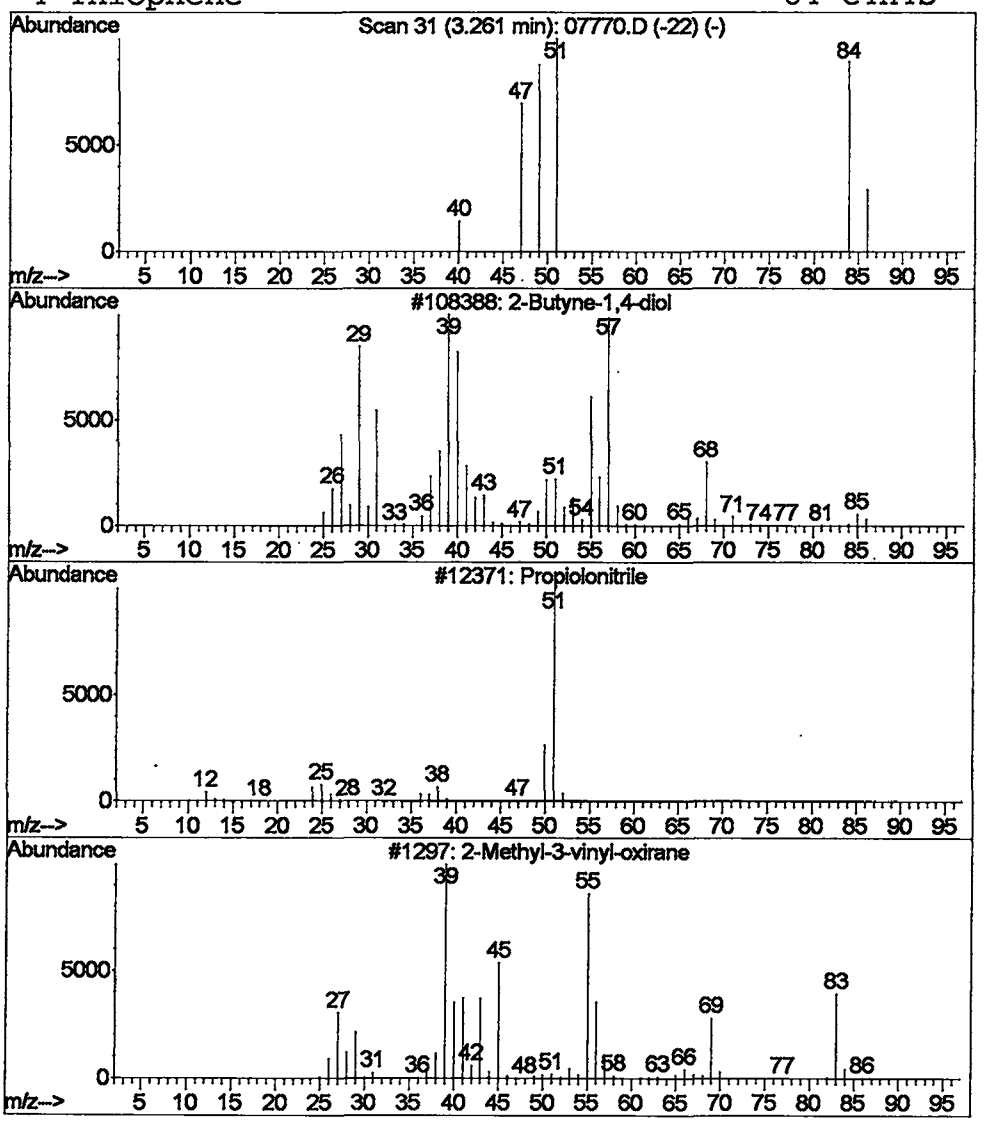
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

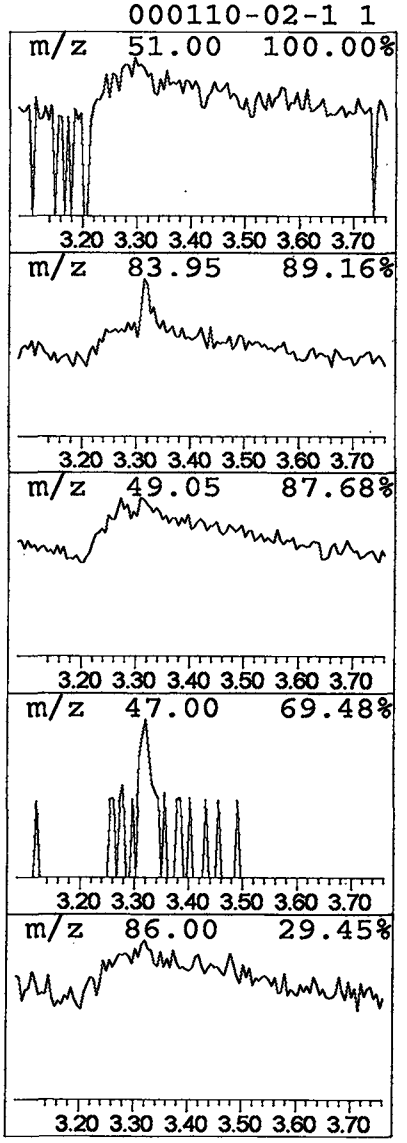
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.26	0.17 ug/l	109734	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	3
2	Propiolonitrile	51	C3HN	001070-71-9	3
3	2-Methyl-3-vinyl-oxirane	84	C5H8O	006790-37-0	1
4	Thiophene	84	C4H4S	000110-02-1	1





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07770.D Vial: 24
Acq On : 5 Apr 2002 4:21 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

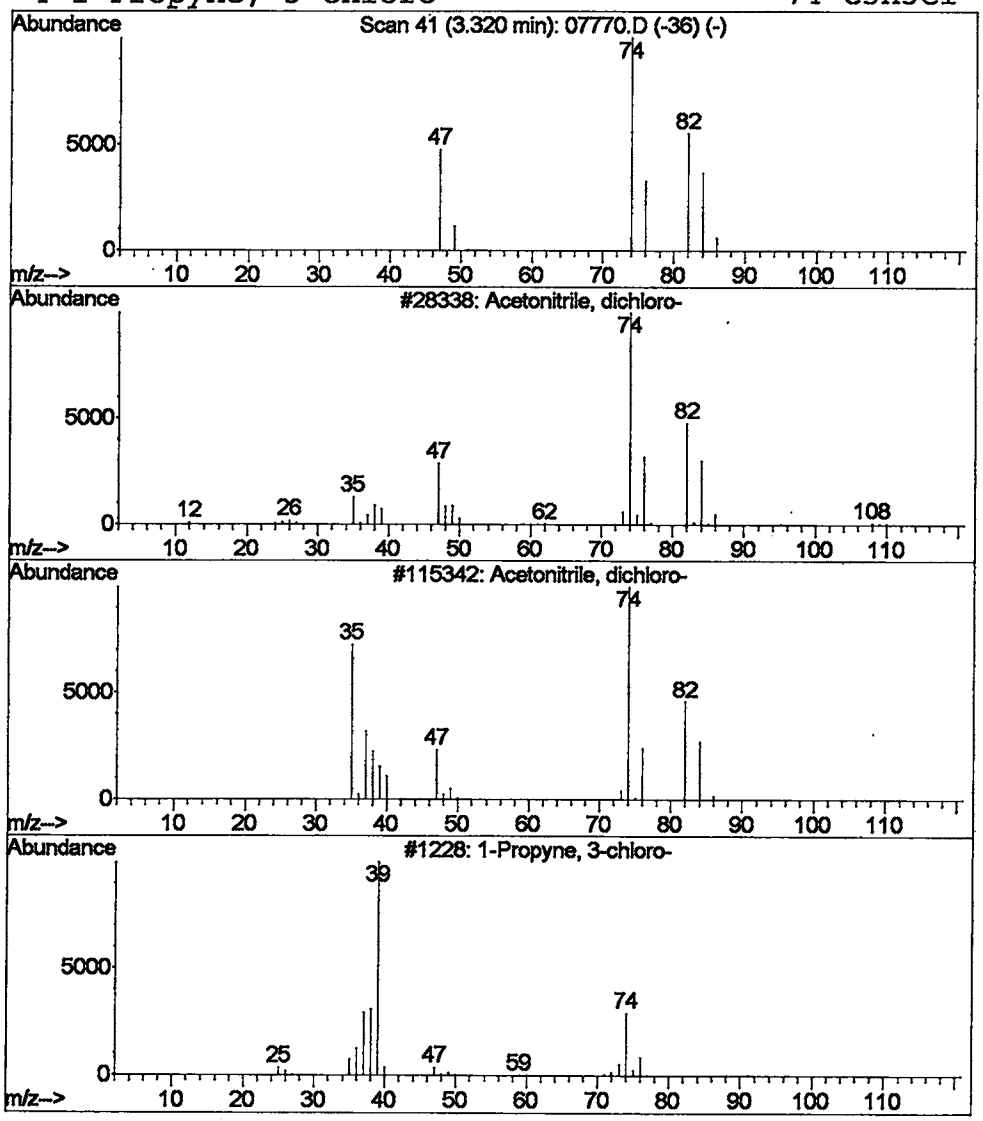
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

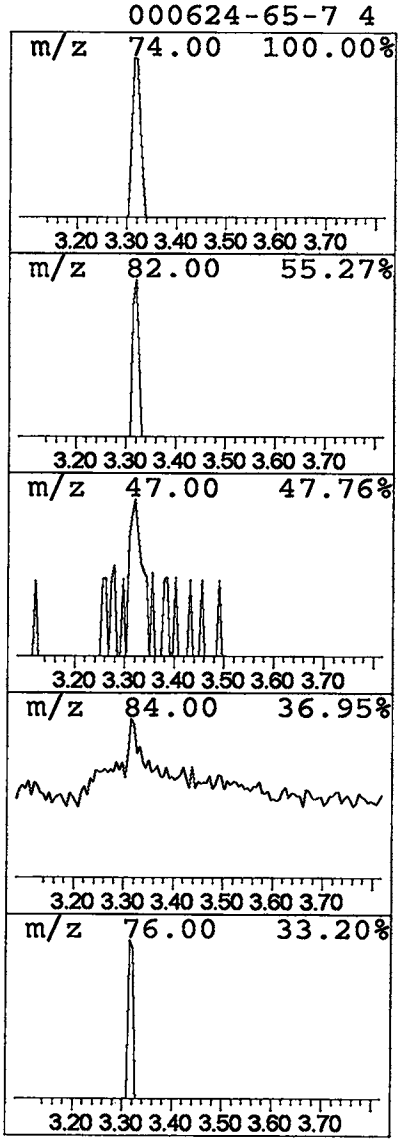
****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.32	0.25 ug/l	165628	1,4-Dichlorobenzene-d4	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	78
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	40
3	1-Propyne, 3-chloro-	74	C3H3Cl	000624-65-7	5
4	1-Propyne, 3-chloro-	74	C3H3Cl	000624-65-7	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07770.D
Acq On : 5 Apr 2002 4:21 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

Vial: 24
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

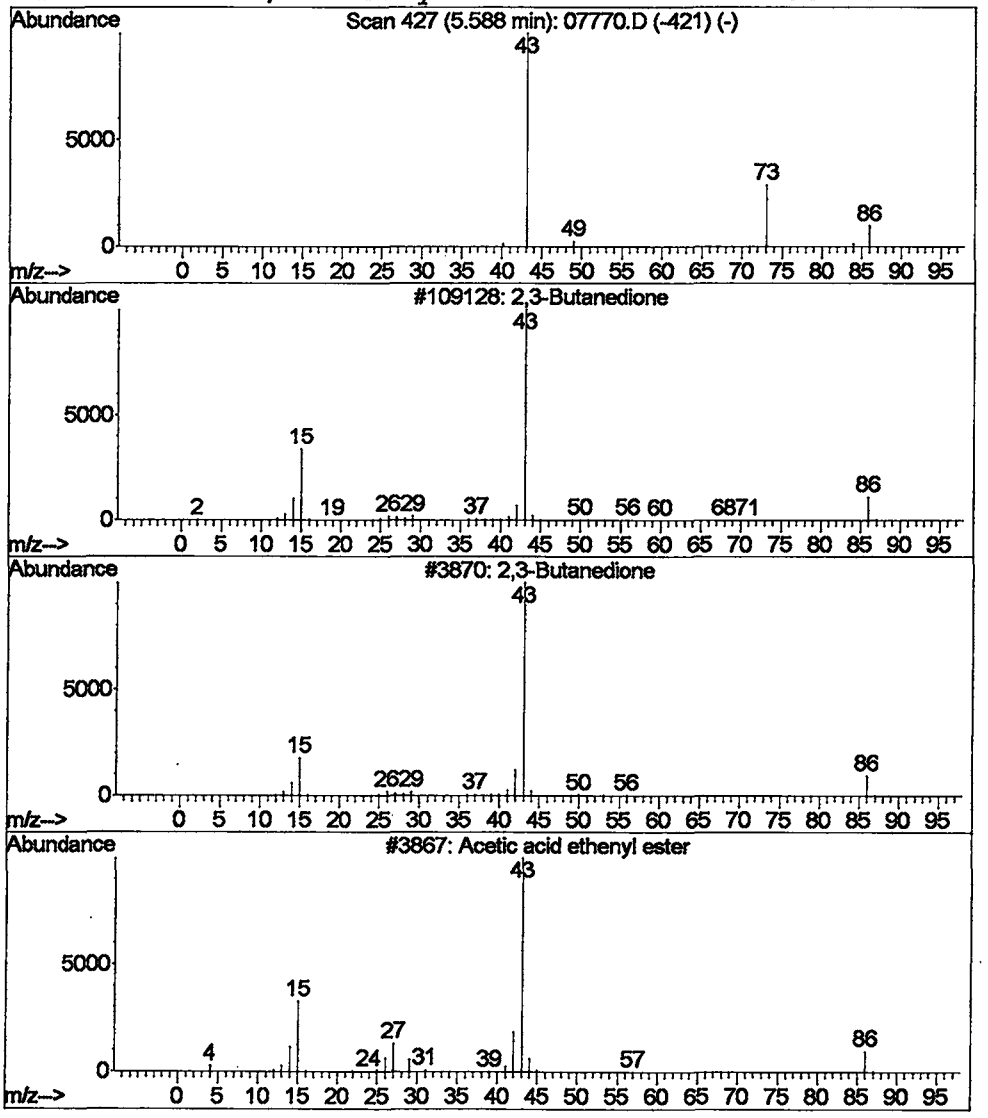
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

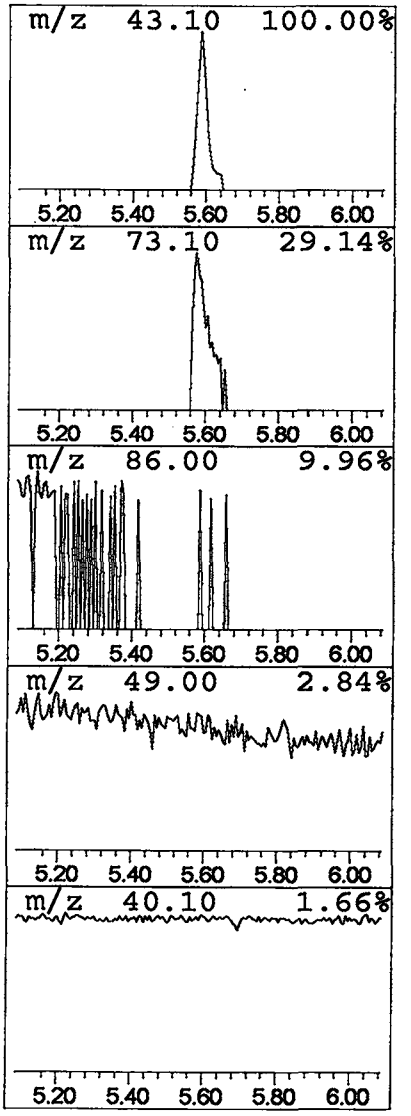
****

Peak Number 3 2,3-Butanedione Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	0.26 ug/l	167224	1,4-Dichlorobenzene-d4	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Butanedione	86	C4H6O2	000431-03-8	3
2	2,3-Butanedione	86	C4H6O2	000431-03-8	3
3	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	3
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	3





Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 5 Apr 2002 4:21 am
Data File: C:\MSDCHEM\1\DATA\020404\07770.D
Name: sample
Misc:
Method: C:\MSDCHEM\1\METHODS\SCAN020403.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
2-Butyne-1,4-diol	3.26	0.2	ug/l	109734	1	10.66	13112100	20.0
Acetonitrile, dic...	3.32	0.3	ug/l	165628	1	10.66	13112100	20.0
2,3-Butanedione	5.59	0.3	ug/l	167224	1	10.66	13112100	20.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR2202\7770.D Vial: 19
Acq On : 23 Apr 2002 2:43 am Operator:
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 23 12:32 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

not needed

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.21	152	700333	20.00	ug/l	-0.03
10) Naphthalene-d8	15.85	136	2582238	20.00	ug/l	-0.03
17) Acenaphthene-d10	21.15	164	1460154	20.00	ug/l	-0.02
30) Phenanthrene-d10	25.59	188	2153350	20.00	ug/l	-0.02
39) Chrysene-d12	33.65	240	1462533	20.00	ug/l	-0.03
45) Perylene-d12	37.88	264	966175	20.00	ug/l	-0.04
System Monitoring Compounds						
28) TCMX	23.28	209	48492	6.63	ug/L	-0.05
Spiked Amount 10.000			Recovery = 66.30%			
38) 2,4-DDD	0.00	235	0	0.00	ug/mL	
Spiked Amount 5.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.44	74	199	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	15.90	128	730	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	21.55	165	172	N.D.		
25) Diethylphthalate	22.62	149	1402	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	22.76	166	214	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.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR2202\7770.D Vial: 19
Acq On : 23 Apr 2002 2:43 am Operator:
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 23 12:32 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

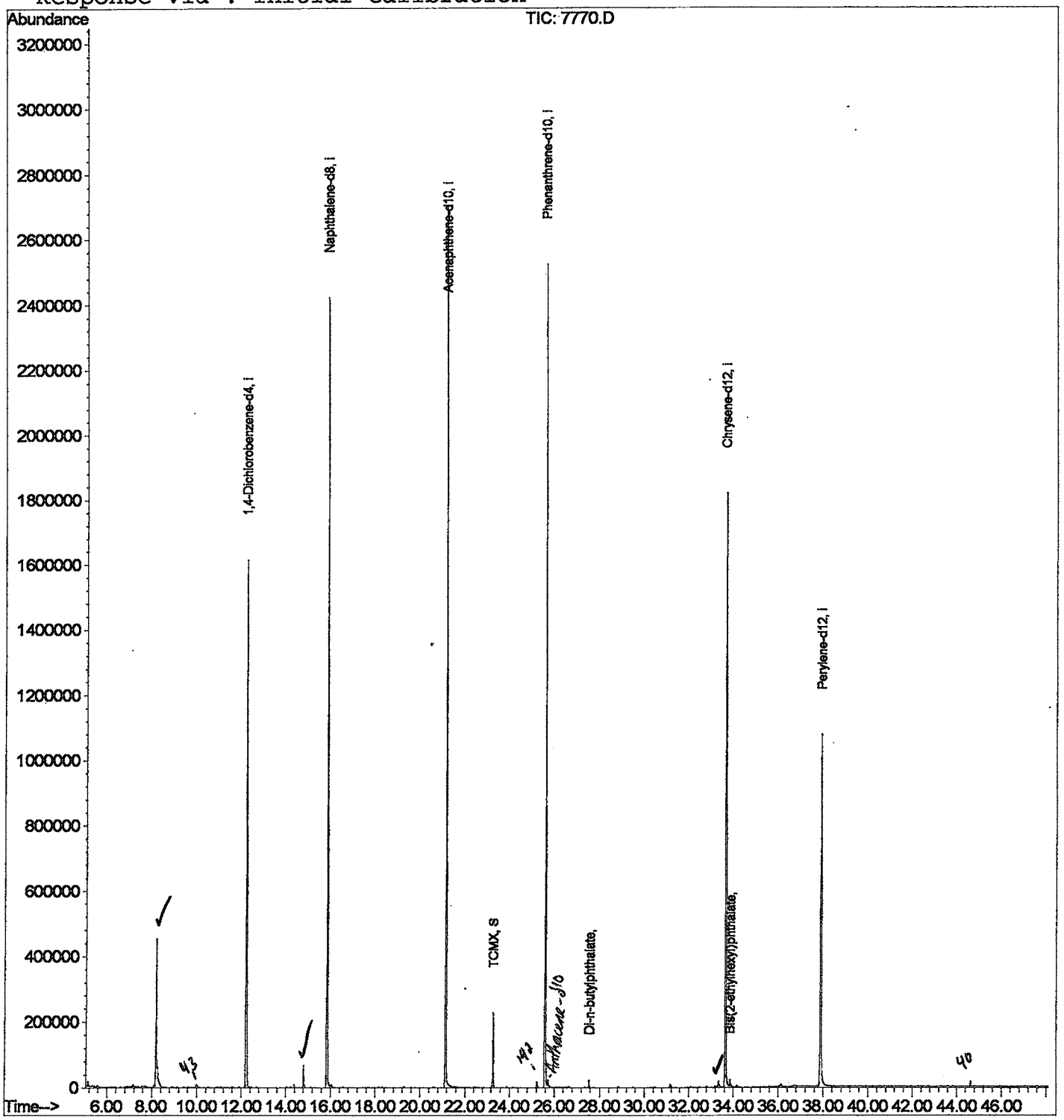
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Hexachlorobenzene	0.00	284	0	N.D.	
34)	Phenanthrene	25.66	178	879	N.D.	
35)	Anthracene	25.79	178	448	N.D.	
36)	Di-n-butylphthalate	27.56	149	26898	0.39 ug/l	99
37)	Fluoranthene	29.29	202	371	N.D.	
40)	Pyrene	29.95	202	389	N.D.	
41)	Butylbenzylphthalate	32.08	149	2134	N.D.	
42)	Benzo(a)anthracene	33.72	228	2732	N.D.	
43)	Bis(2-ethylhexyl)phthalate	33.86	149	16929	0.46 ug/l	99
44)	Chrysene	33.72	228	2524	N.D.	
46)	Di-n-Octylphthalate	35.60	149	2111	N.D.	
47)	Benzo(b)fluoranthene	36.69	252	2930	N.D.	
48)	Benzo(k)fluoranthene	36.76	252	2722	N.D.	
49)	Benzo(a)pyrene	37.67	252	191	N.D.	
50)	Indeno(1,2,3-cd)pyrene	41.94	276	455	N.D.	
51)	Dibenz(a,h)anthracene	42.04	278	586	N.D.	
52)	Benzo(g,h,i)perylene	43.18	276	931	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR2202\7770.D Vial: 19
Acq On : 23 Apr 2002 2:43 am Operator:
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 23 12:32 2002 Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR2202\7770.D Vial: 19
Acq On : 23 Apr 2002 2:43 am Operator:
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0412.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

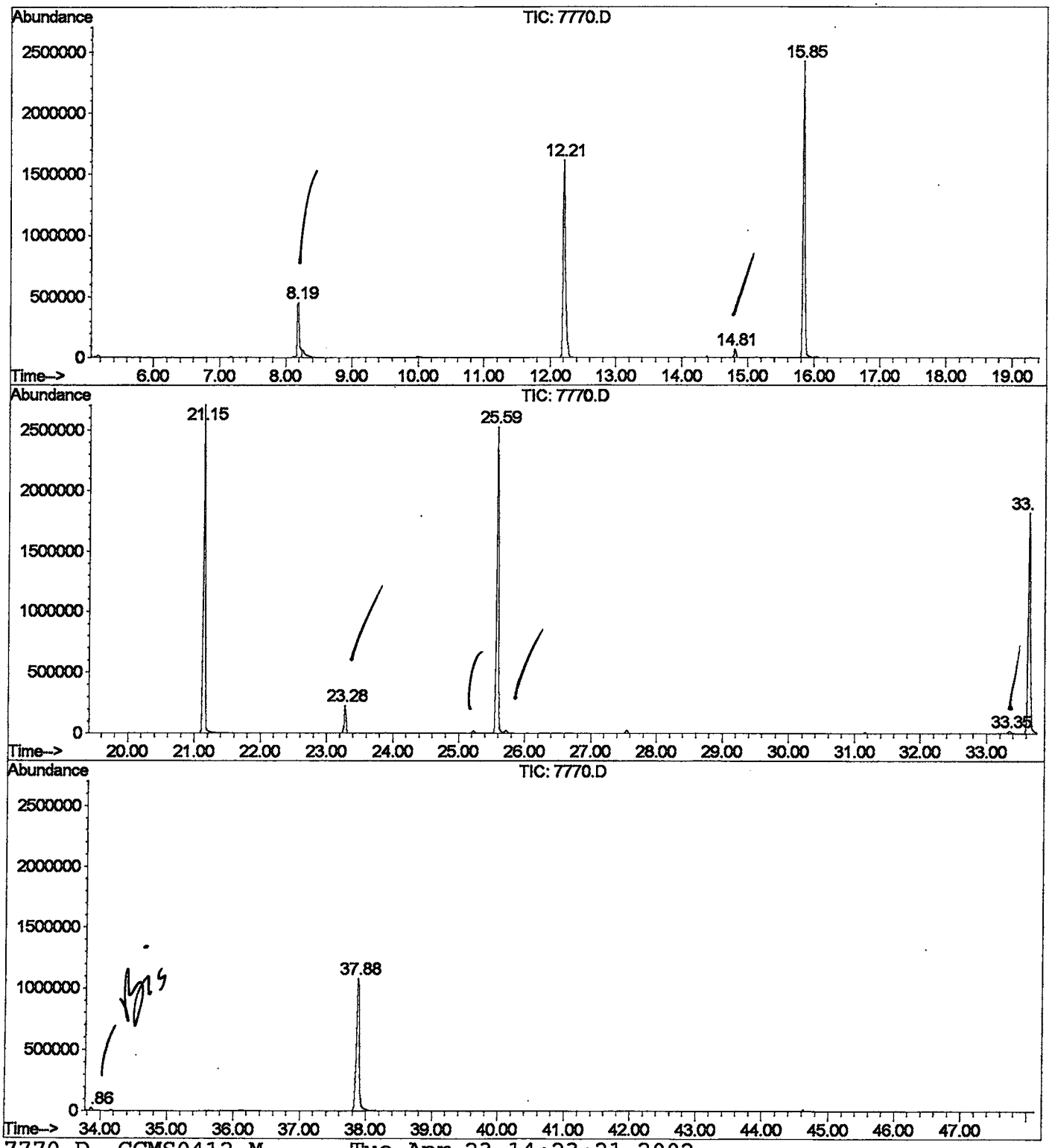
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.189	338	342	347	rBV	449120	924230	16.41%	3.205%
2	12.210	774	780	795	rVB	1613618	3756443	66.70%	13.028%
3	14.808	1058	1063	1069	rVB	69811	130682	2.32%	0.453%
4	15.845	1170	1176	1192	rBV	2422463	4868742	86.45%	16.885%
5	21.151	1747	1754	1773	rBV	2707034	5631856	100.00%	19.532%
6	23.281	1978	1986	1995	rBV	228215	438860	7.79%	1.522%
7	25.595	2230	2238	2249	rBV2	2525124	5456248	96.88%	18.923%
8	33.352	3076	3083	3092	rVB2	20052	57610	1.02%	0.200%
9	33.646	3105	3115	3130	rBV2	1819385	4217550	74.89%	14.627%
10	33.857	3134	3138	3149	rVB	23385	58856	1.05%	0.204%
11	37.878	3567	3576	3600	rBV2	1074699	3293262	58.48%	11.421%

Sum of corrected areas: 28834339

7770.D GCMS0412.M Tue Apr 23 14:23:20 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR2202\7770.D
Operator :
Acquired : 23 Apr 2002 2:43 am using AcqMethod GCMS0412
Instrument : 209
Sample Name: re-ext
Misc Info :
Vial Number: 19
Quant File :GCMS0412.RES (RTE Integrator)



7770.D GCMS0412.M Tue Apr 23 14:23:21 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR2202\7770.D
Acq On : 23 Apr 2002 2:43 am
Sample : re-ext
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator:
Inst : 209
Multiplr: 1.00

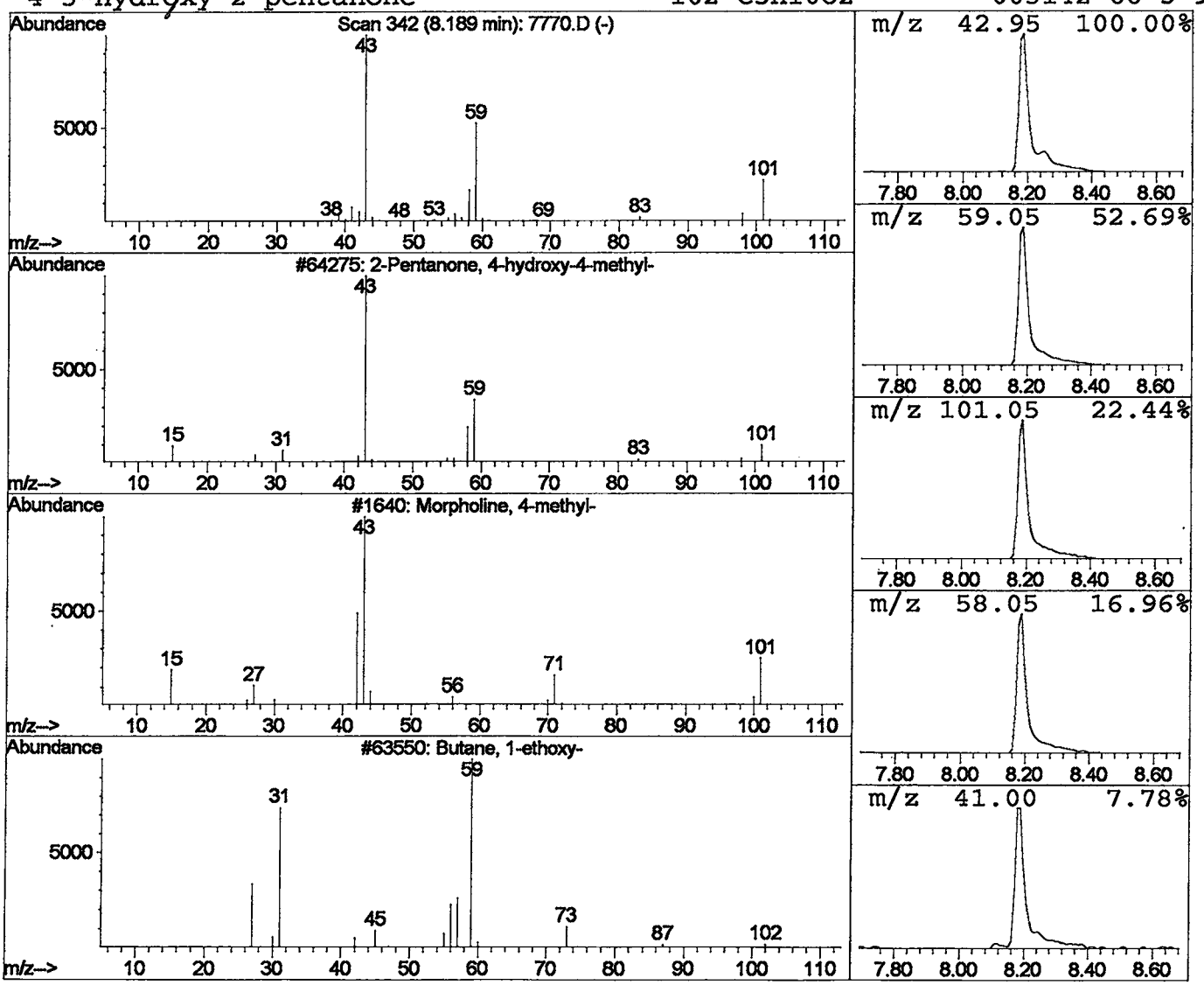
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	4.92 ug/l	924230	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	50
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR2202\7770.D Vial: 19
Acq On : 23 Apr 2002 2:43 am Operator:
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

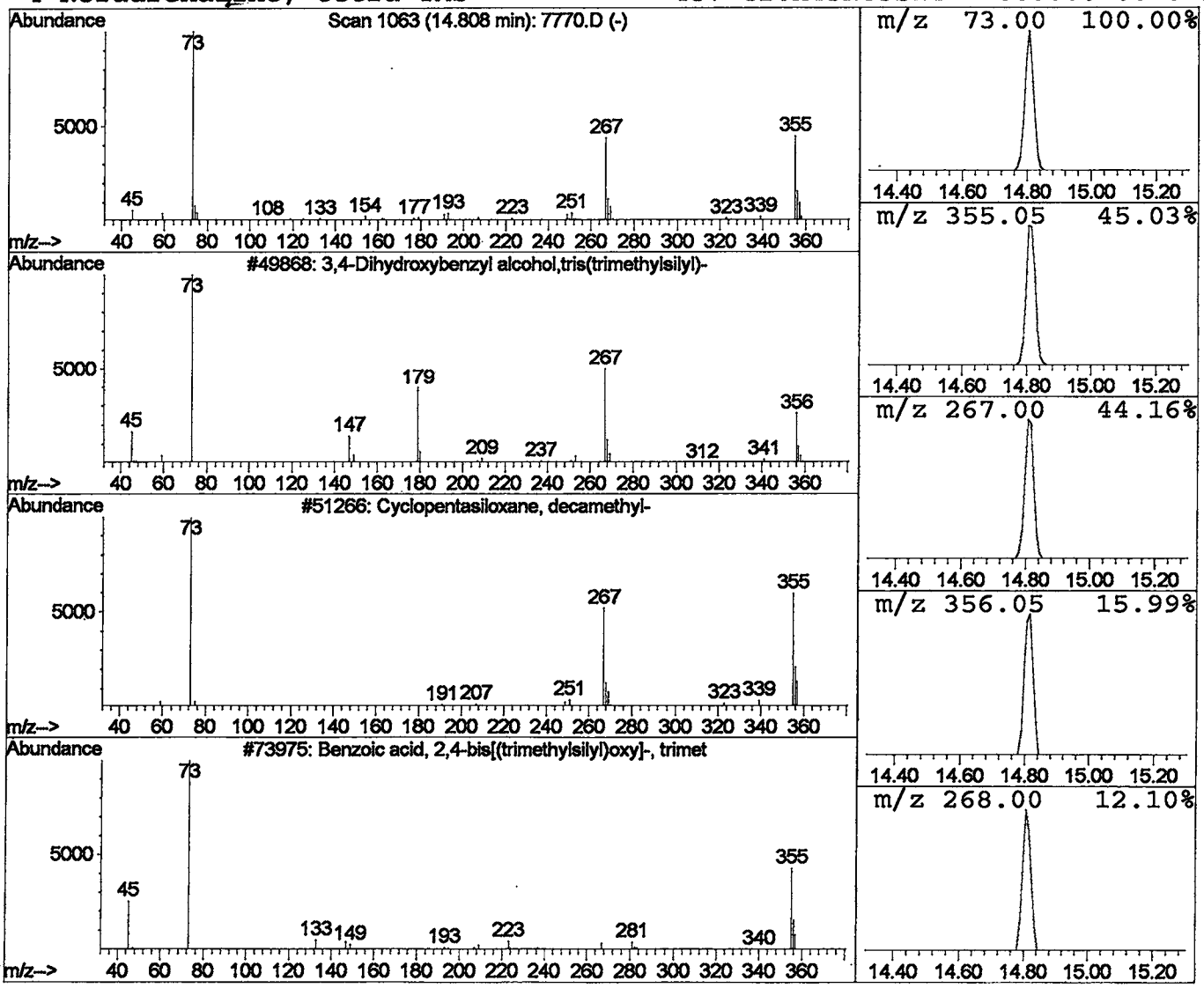
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3,4-Dihydroxybenzyl alcohol,tr Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	0.54 ug/l	130682	Naphthalene-d8	15.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydroxybenzyl alcohol,tris(tr	356	C16H32O3Si3	068595-79-9	49
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	43
3	Benzoic acid, 2,4-bis[(trimethylsil	370	C16H30O4Si3	010586-16-0	43
4	Noradrenaline, tetra-TMS	457	C20H43NO3Si4	000000-00-0	37



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR2202\7770.D Vial: 19
Acq On : 23 Apr 2002 2:43 am Operator:
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

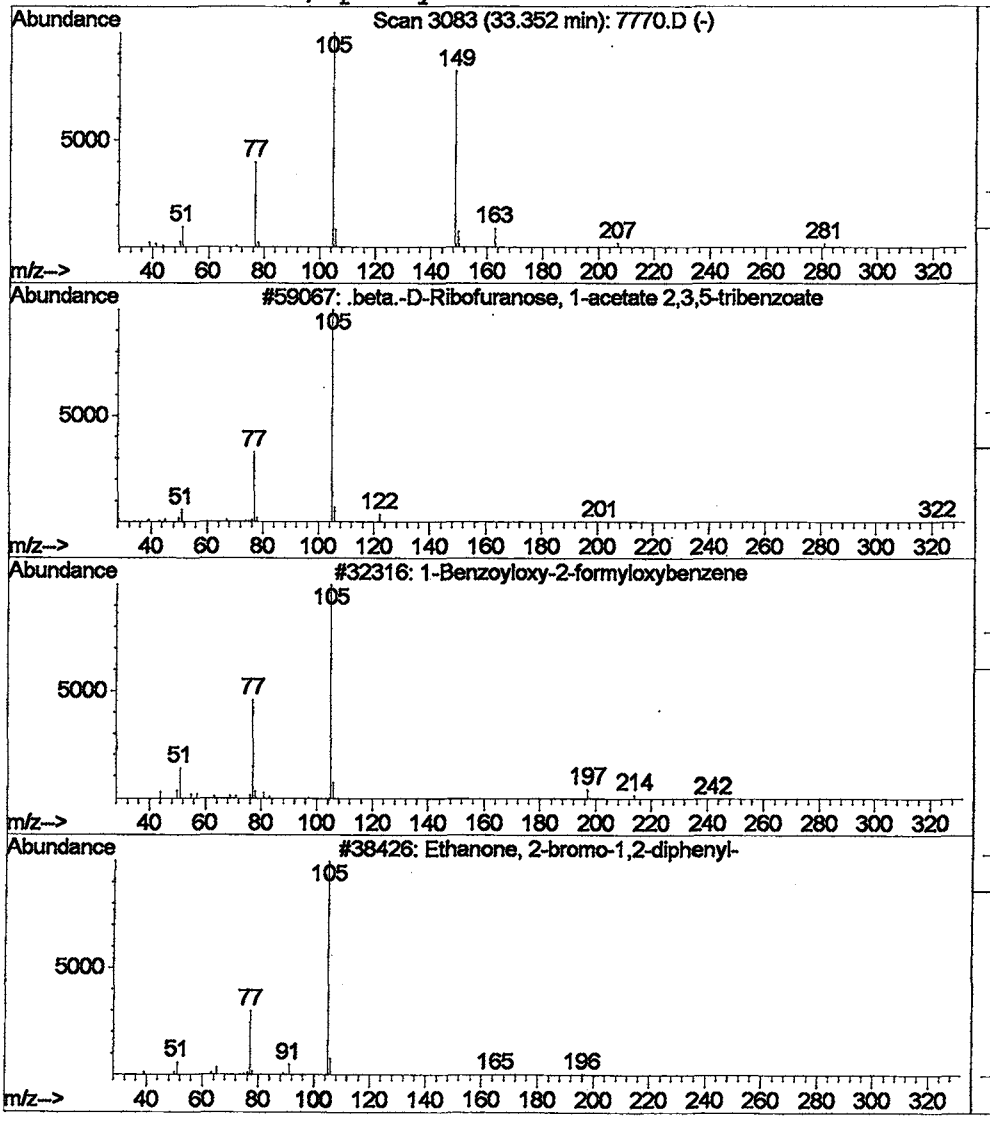
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

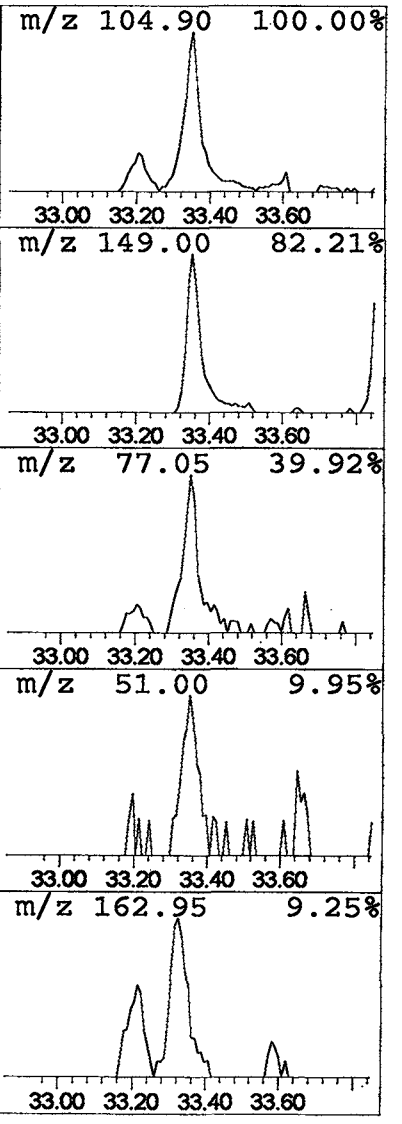
****

Peak Number 3 .beta.-D-Ribofuranose, 1-aceta Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.35	0.27 ug/l	57610	Chrysene-d12	33.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-D-Ribofuranose, 1-acetate 2,	504	C28H24O9	006974-32-9	16
2	1-Benzoyloxy-2-formyloxybenzene	242	C14H10O4	797922-93-1	12
3	Ethanone, 2-bromo-1,2-diphenyl-	274	C14H11BrO	001484-50-0	12
4	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	12





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 23 Apr 2002 2:43 am
Data File: C:\HPCHEM\1\DATA\APR2202\7770.D
Name: re-ext
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0412.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	8.19	4.9	ug/l	924230	ISTD01	12.21	3756440	20.0
3,4-Dihydroxybenzyl	14.81	0.5	ug/l	130682	ISTD02	15.85	4868740	20.0
.beta.-D-Ribofuranos	33.35	0.3	ug/l	57610	ISTD05	33.65	4217550	20.0

7770.D GCMS0412.M Tue Apr 23 14:23:24 2002