User: Nefliu, Marcela
Westchester Dept. of Labs & Research
Date: 05/03/2002 Time: 10:53:02

Sample: AE08958
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 4/16/02 10:49 Ended: 4/24/02 10:49 Analyst: MN
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		< MDL		2.0
2	bis(2-Chloroethyl)ether		< MDL		2.0
3	1,3-Dichlorobenzene		< MDL		2.0
4	1,4-Dichlorobenzene		< MDL		2.0
5	1,2-Dichlorobenzene		< MDL		2.0
6	2,2'-oxybis(1-Chloropropane)		< MDL		2.0
7	n-Nitrosodi-n-propylamine		< MDL		2.0
8	Hexachloroethane		< MDL		2.0
9	Nitrobenzene		< MDL		2.0
10	Isophorone		< MDL		2.0
11	bis(2-Chloroethoxy)methane		< MDL		2.0
12	1,2,4-Trichlorobenzene		< MDL		2.0
13	Naphthalene		< MDL		2.0
14	Hexachlorobutadiene		< MDL		2.0
15	2-Chloronaphthalene		< MDL		2.0
16	Dimethylphthalate		< MDL		2.0
17	2,6-Dinitrotoluene		< MDL		2.0
18	Acenaphthylene		< MDL		2.0
19	Acenaphthene		< MDL		2.0
20	2,4-Dinitrotoluene		< MDL		2.0
21	Diethylphthalate		< MDL		2.0
22	4-Chlorophenylphenylether		< MDL		2.0
23	Fluorene		< MDL		2.0
24	Azobenzene		< MDL		2.0
25	n-Nitrosodiphenylamine		< MDL		2.0
26	4-Bromophenylphenylether		< MDL		2.0
27	Hexachlorobenzene		< MDL		2.0
28	Phenanthrene		< MDL		2.0
29	Anthracene		< MDL		2.0
30	Di-n-butylphthalate		< MDL		2.0
31	Fluoranthene		< MDL		2.0
32	Pyrene		< MDL		2.0
33	Butylbenzylphthalate		< MDL		2.0
34	Benzo(a)anthracene		< MDL		2.0
35	bis(2-Ethylhexyl)phthalate		< MDL		2.0
36	Chrysene		< MDL		2.0
37	Di-n-octylphthalate		< MDL		2.0
38	Benzo(b)fluoranthene		< MDL		2.0
39	Benzo(k)fluoranthene		< MDL		2.0
40	Benzo(a)pyrene		< MDL		2.0
41	Indeno(1,2,3-cd)pyrene		< MDL		2.0
42	Dibenz(a,h)anthracene		< MDL		2.0
43	Benzo(g,h,i)perylene		< MDL		2.0

Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 26 07:56:30 2002 Quant Results File: SCAN020424.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Wed Apr 24 08:54:34 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

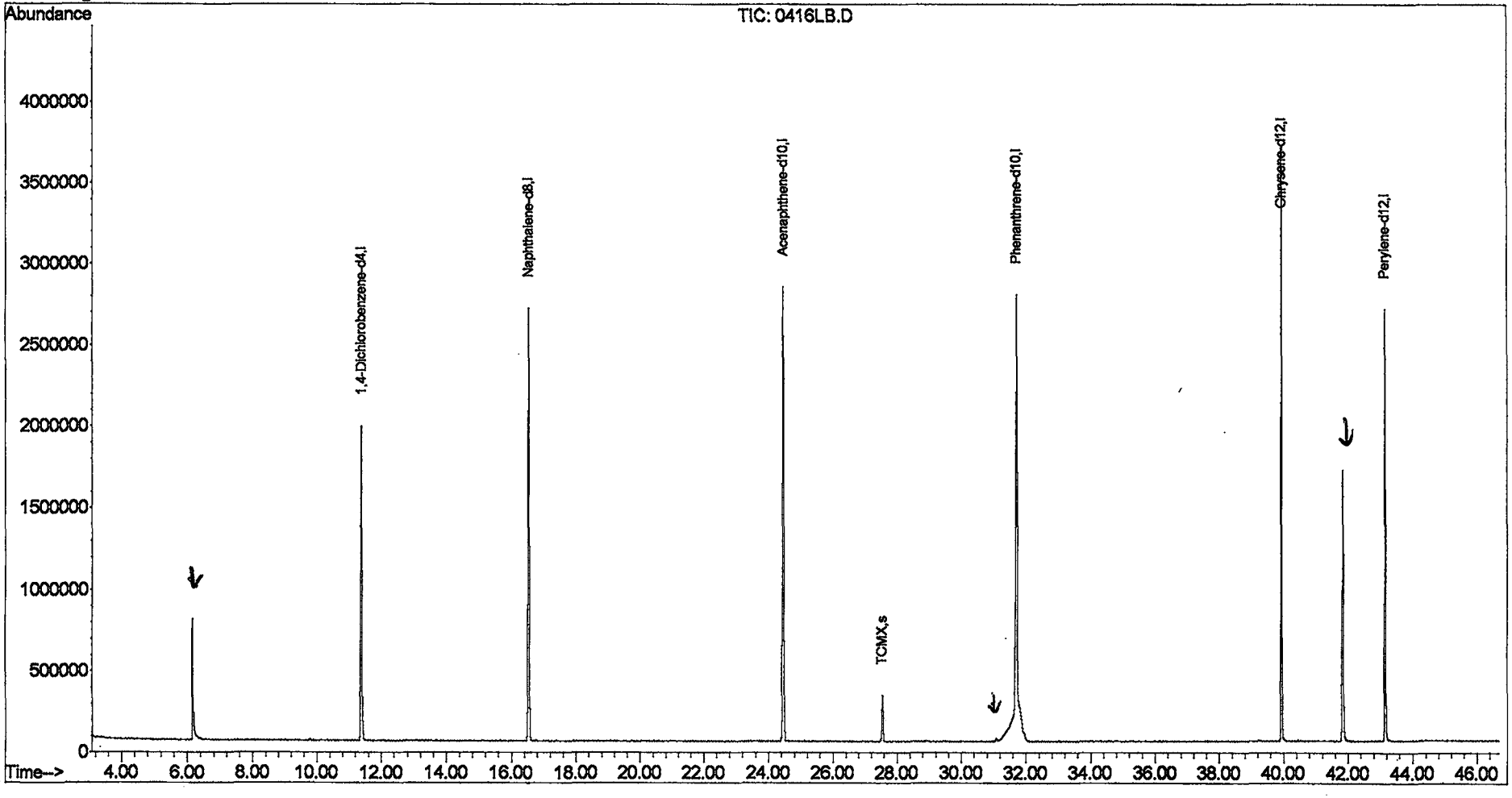
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.38	152	9144295	40.00	ug/l	-0.01
10) Naphthalene-d8	16.53	136	35943987	40.00	ug/l	-0.03
17) Acenaphthene-d10	24.46	164	20385230	40.00	ug/l	-0.02
30) Phenanthrene-d10	31.72	188	29102398	40.00	ug/l	-0.02
38) Chrysene-d12	39.93	240	21834926	40.00	ug/l	-0.05
44) Perylene-d12	43.15	264	13924083	40.00	ug/l	-0.03
System Monitoring Compounds						
27) TCMX	27.54	207	862720	7.52	ug/l	-0.03
Spiked Amount 10.000			Recovery = 75.20%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 26 8:00 2002 Quant Results File: SCAN020424.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Wed Apr 24 08:54:34 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 5 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

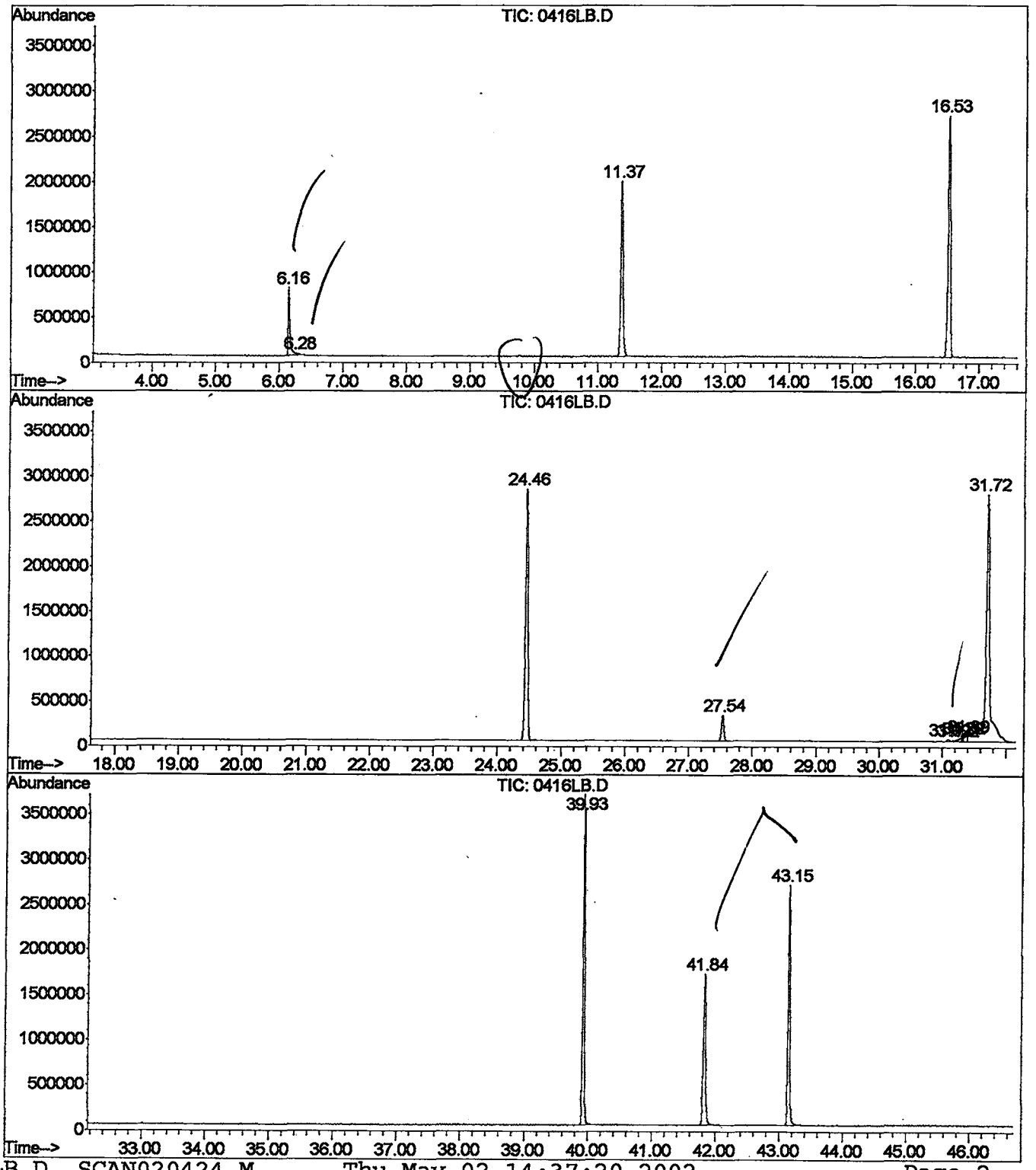
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.158	519	524	543	PV	717604	13449183	10.98%	2.719%
2	6.276	543	544	558	VV 5	20717	524273	0.43%	0.106%
3	11.376	1400	1412	1432	PV	1941047	47617560	38.89%	9.625%
4	16.534	2275	2290	2305	PV	2650250	66578503	54.38%	13.458%
5	24.461	3622	3639	3652	PV	2799694	76789415	62.71%	15.522%
6	27.539	4149	4163	4184	VV 3	287239	7737081	6.32%	1.564%
7	31.088	4759	4767	4776	VV 4	20634	651980	0.53%	0.132%
8	31.223	4776	4790	4791	VV 3	15992	552458	0.45%	0.112%
9	31.294	4791	4802	4804	VV 4	37700	1136987	0.93%	0.230%
10	31.323	4804	4807	4809	VV 2	45649	733220	0.60%	0.148%
11	31.388	4809	4818	4820	VV 6	64202	2219070	1.81%	0.449%
12	31.717	4820	4874	4938	VV 2	2711795	122443203	100.00%	24.750%
13	39.931	6261	6272	6295	PV 2	3581795	63991444	52.26%	12.935%
14	41.840	6580	6597	6614	PV 2	1659654	41695392	34.05%	8.428%
15	43.151	6807	6820	6847	BV 2	2598450	48592731	39.69%	9.822%

Sum of corrected areas: 494712500

File : C:\MSDCHEM\1\DATA\020424\0416LB.D
Operator : Nefliu
Acquired : 24 Apr 2002 11:44 am using AcqMethod 508SCAN1
Instrument : Instrumen
Sample Name: 04/16 lab blk
Misc Info :
Vial Number: 3
Quant File :SCAN020424.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

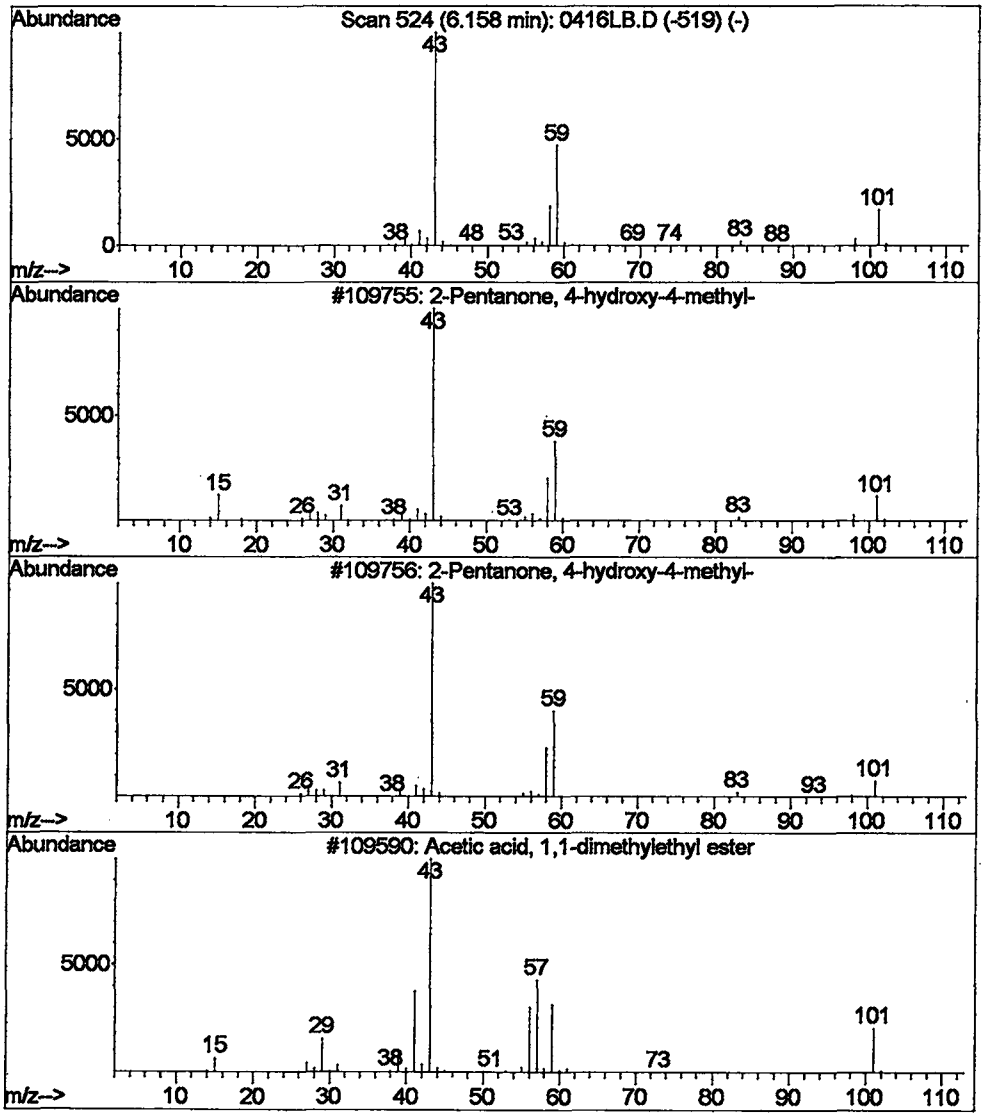
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

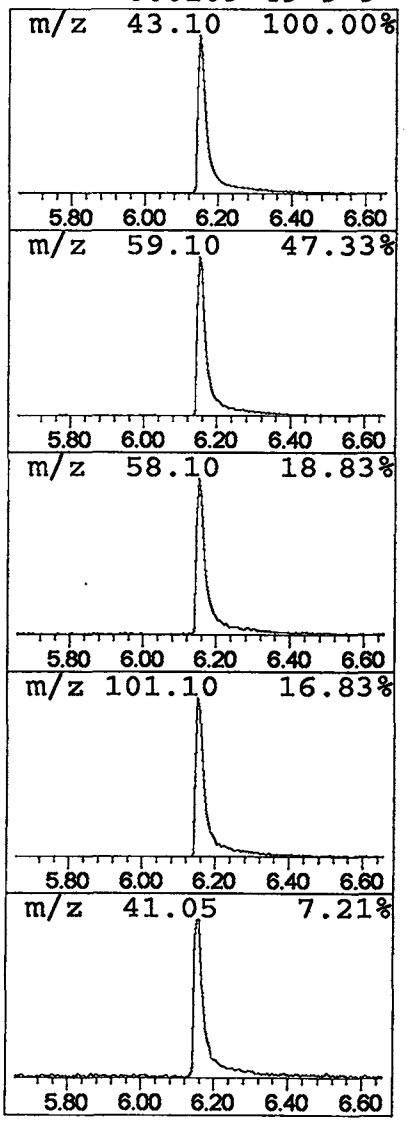
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	11.30 ug/l	13449200	1,4-Dichlorobenzene-d4	11.38

	Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
✓	1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
	2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
	3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
	4	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

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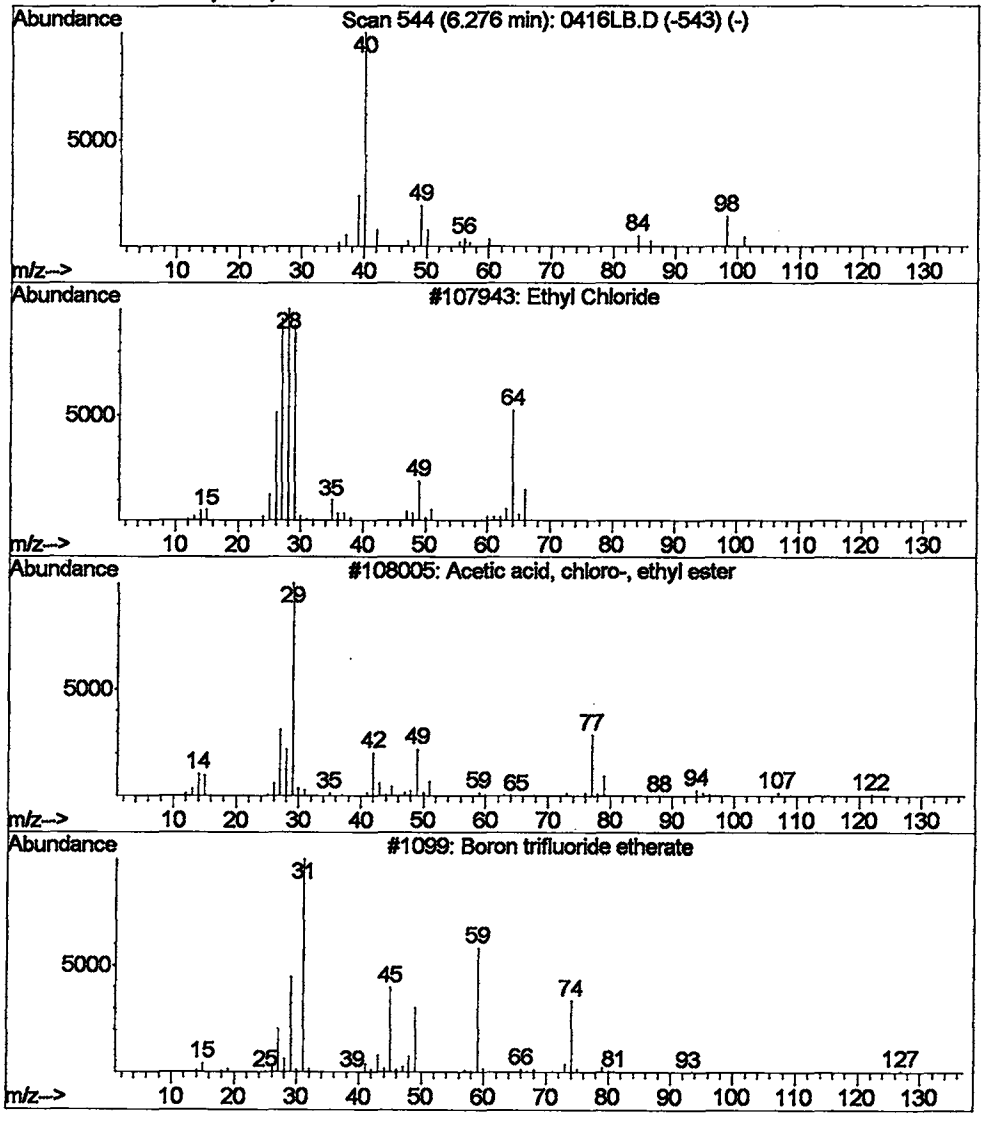
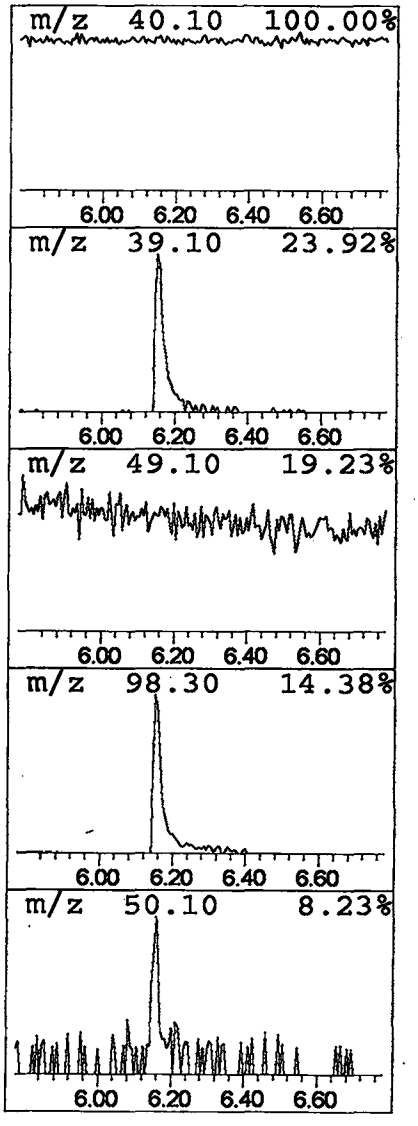
Peak Number 2 Ethyl Chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	0.44 ug/l	524273	1,4-Dichlorobenzene-d4	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	2
2	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	1
3	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	1
4	Ethanol, 2,2-dichloro-	114	C2H4Cl2O	000598-38-9	1





Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

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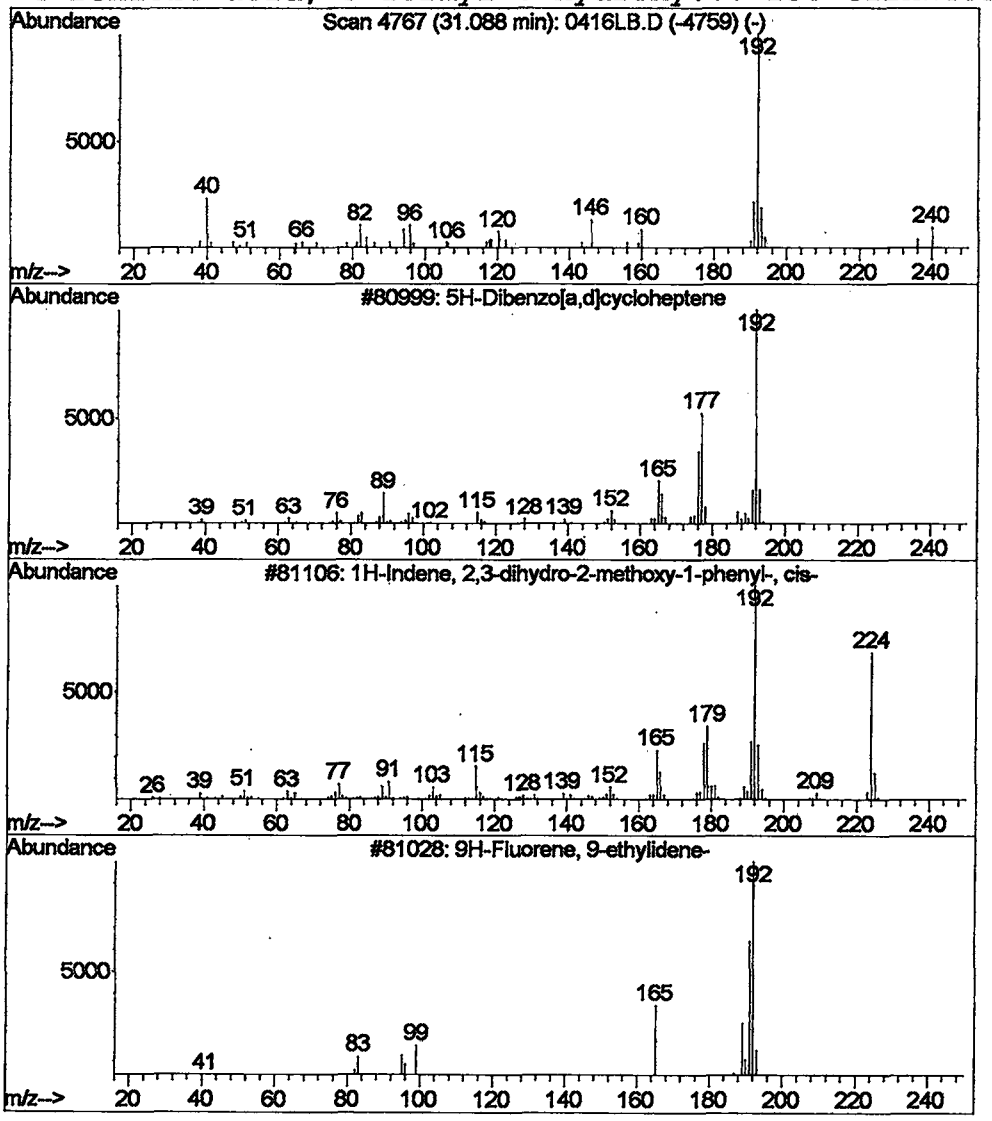
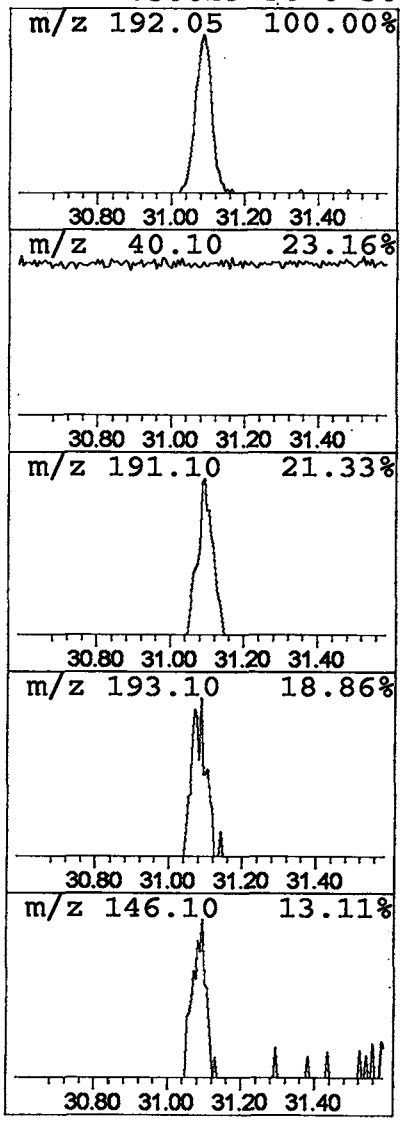
Peak Number 3 5H-Dibenzo[a,d]cycloheptene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.09	0.21 ug/l	651980	Phenanthrene-d10	31.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	45
2	1H-Indene, 2,3-dihydro-2-methoxy...	224	C16H16O	111864-82-5	42
3	9H-Fluorene, 9-ethylidene-	192	C15H12	007151-64-6	38
4	Benzoic acid, 3-formyl-6-hydroxy...	238	C12H14O5	038629-36-6	36





Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

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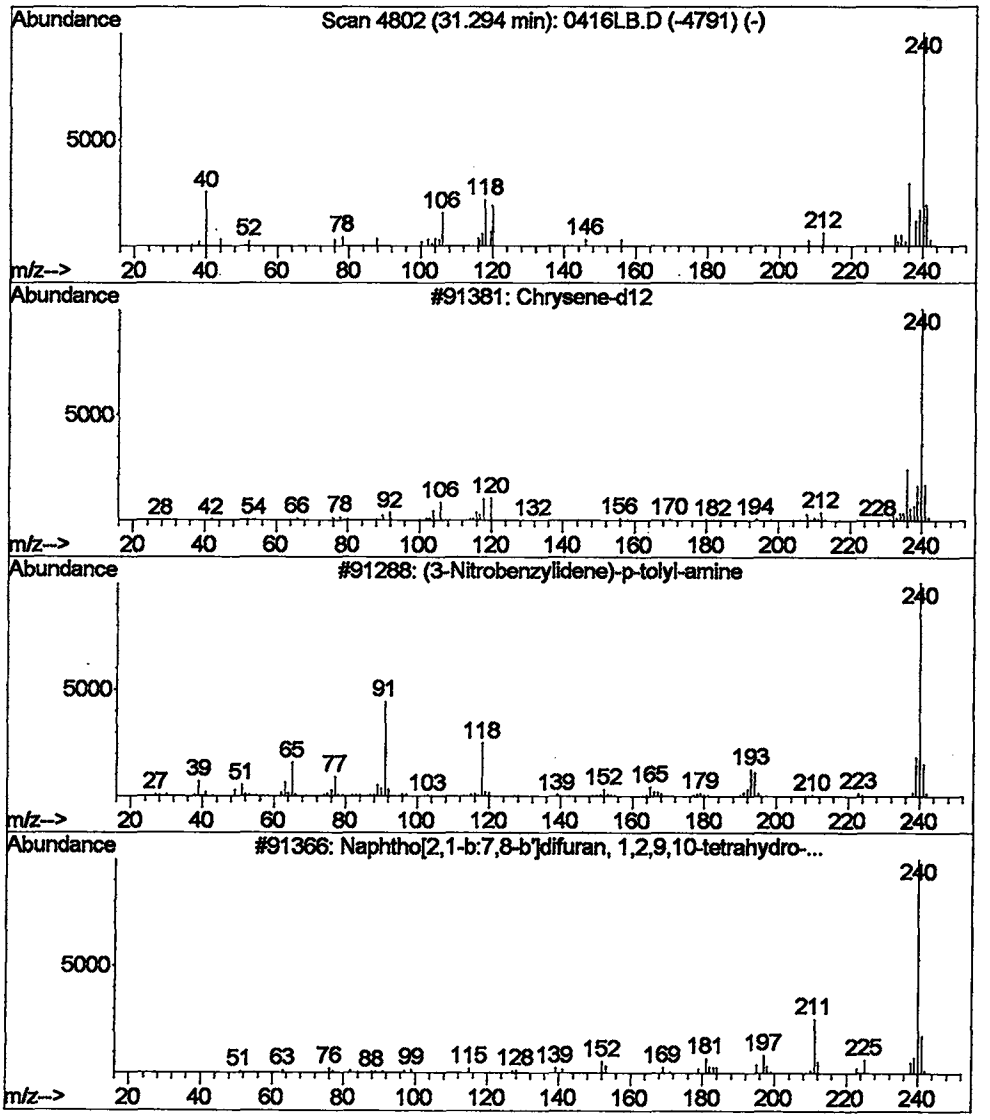
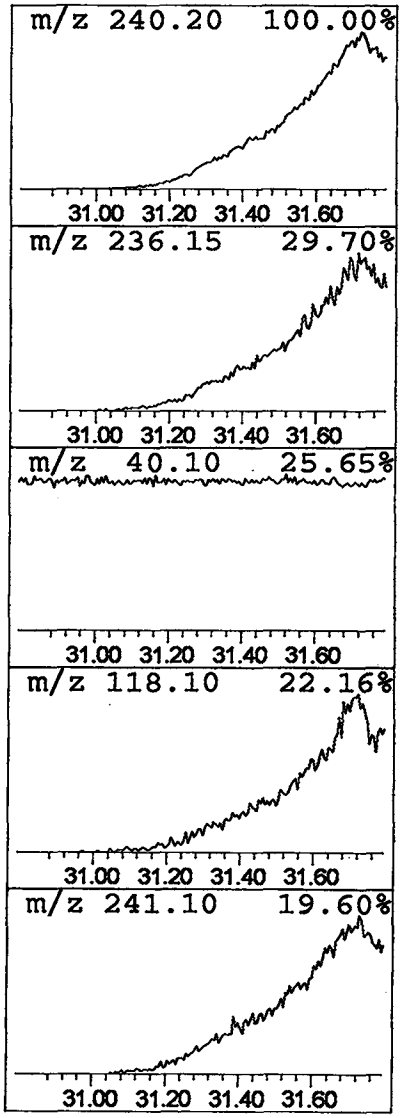
Peak Number 4 Chrysene-d12 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.29	0.37 ug/l	1136990	Phenanthrene-d10	31.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene-d12	240	C18D12	001719-03-5	91
2	(3-Nitrobenzylidene)-p-tolyl-amine	240	C14H12N2O2	000730-39-2	50
3	Naphtho[2,1-b:7,8-b']difuran, 1,...	240	C16H16O2	068873-21-2	47
4	Alizarin	240	C14H8O4	000072-48-0	43





Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

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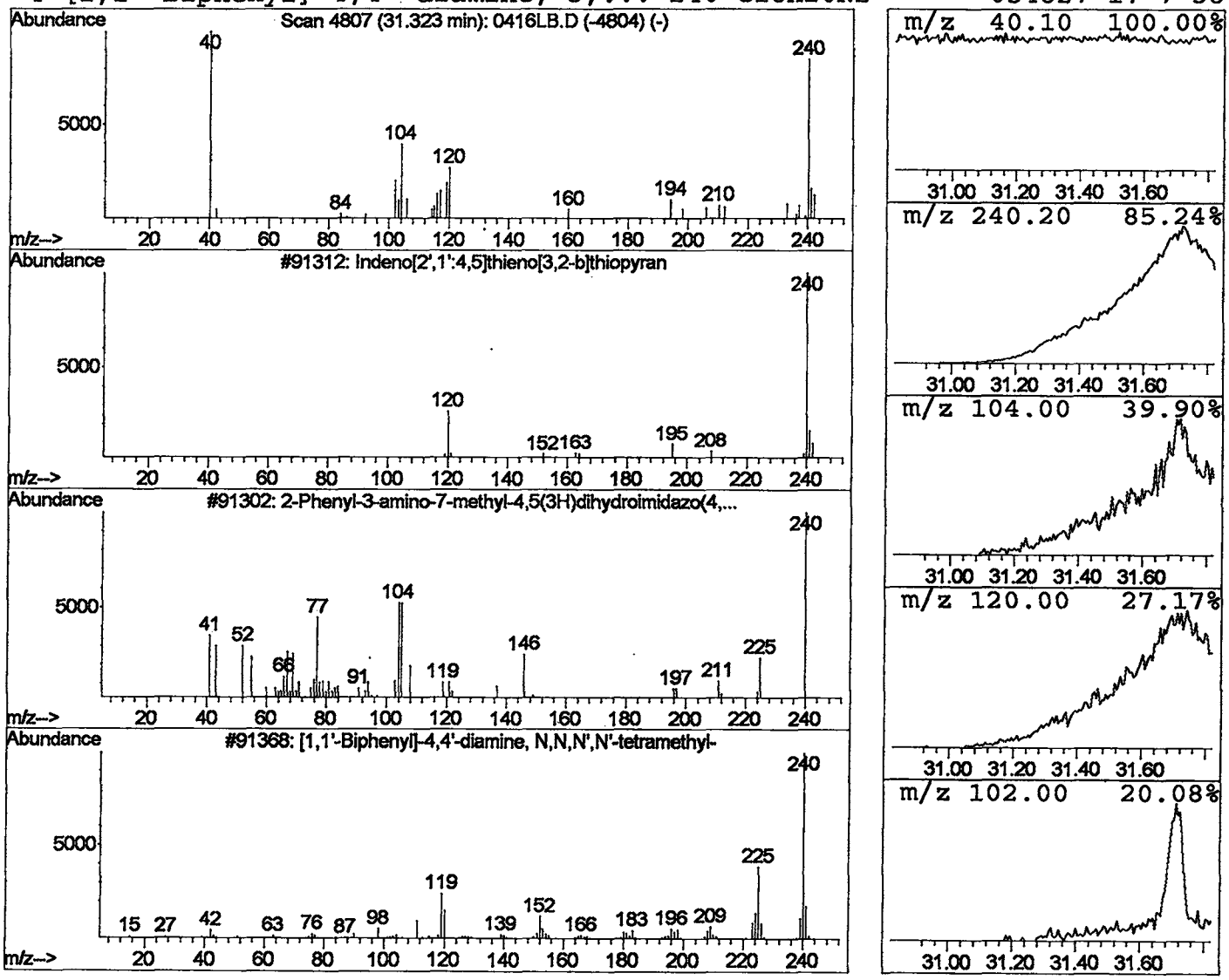
Peak Number 5 Indeno[2',1':4,5]thieno[3,2... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.32	0.24 ug/l	733220	Phenanthrene-d10	31.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2',1':4,5]thieno[3,2-b]th...	240	C14H8S2	056830-85-4	59
2	2-Phenyl-3-amino-7-methyl-4,5(3H...	240	C13H12N4O	1000148-10-2	43
3	[1,1'-Biphenyl]-4,4'-diamine, N,...	240	C16H20N2	000366-29-0	43
4	[1,1'-Biphenyl]-4,4'-diamine, 3,...	240	C16H20N2	054827-17-7	38



Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

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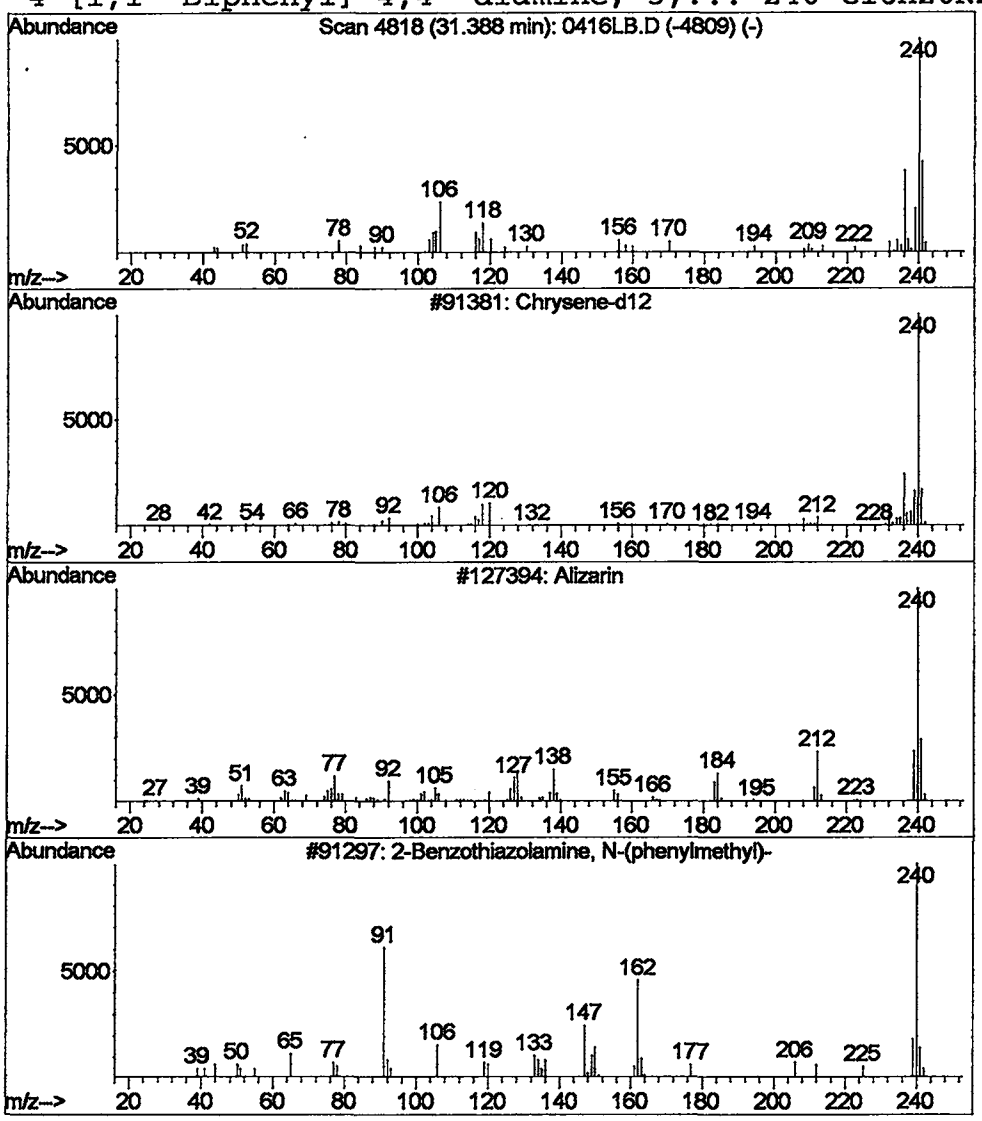
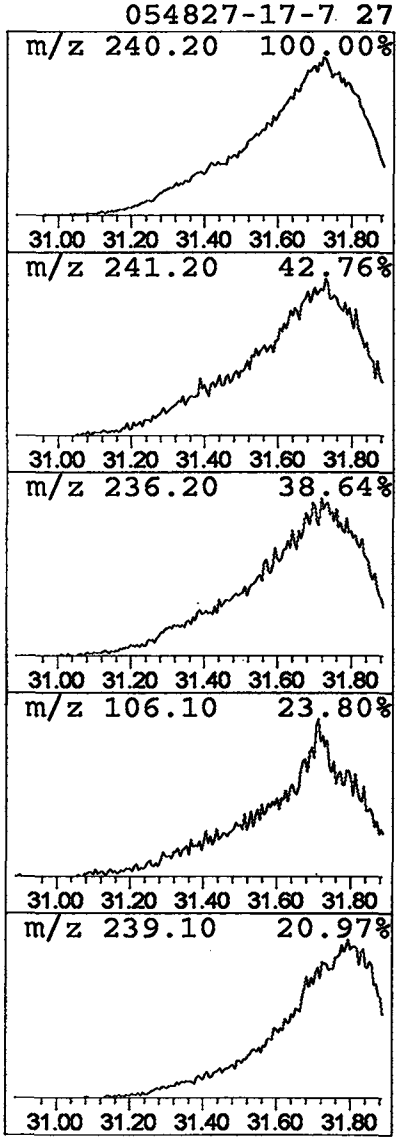
Peak Number 6 Chrysene-d12 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.39	0.72 ug/l	2219070	Phenanthrene-d10	31.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene-d12	240	C18D12	001719-03-5	70
2	Alizarin	240	C14H8O4	000072-48-0	38
3	2-Benzothiazolamine, N-(phenylme...	240	C14H12N2S	021816-82-0	37
4	[1,1'-Biphenyl]-4,4'-diamine, 3,...	240	C16H20N2	054827-17-7	27





Data File : C:\MSDCHEM\1\DATA\020424\0416LB.D Vial: 3
Acq On : 24 Apr 2002 11:44 am Operator: Nefliu
Sample : 04/16 lab blk Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

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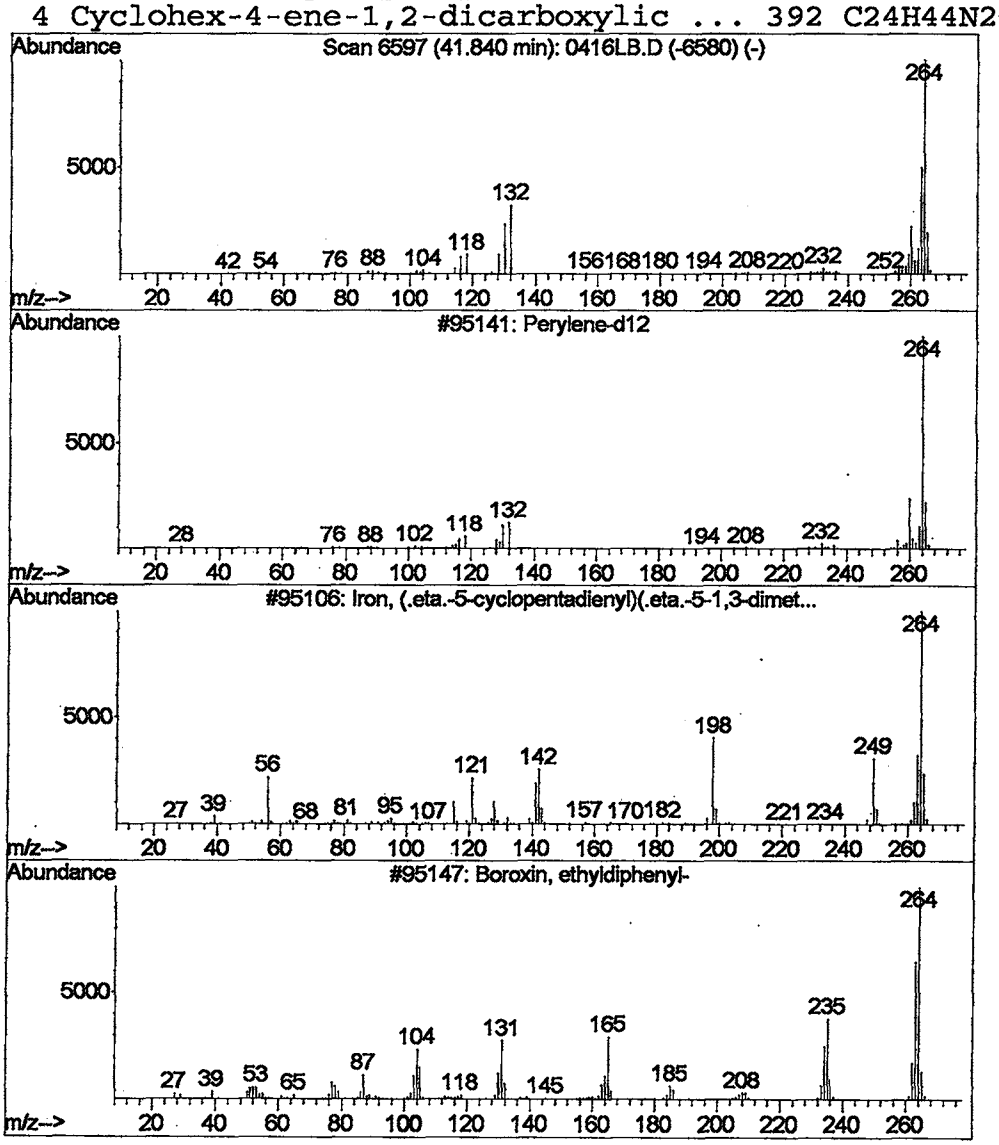
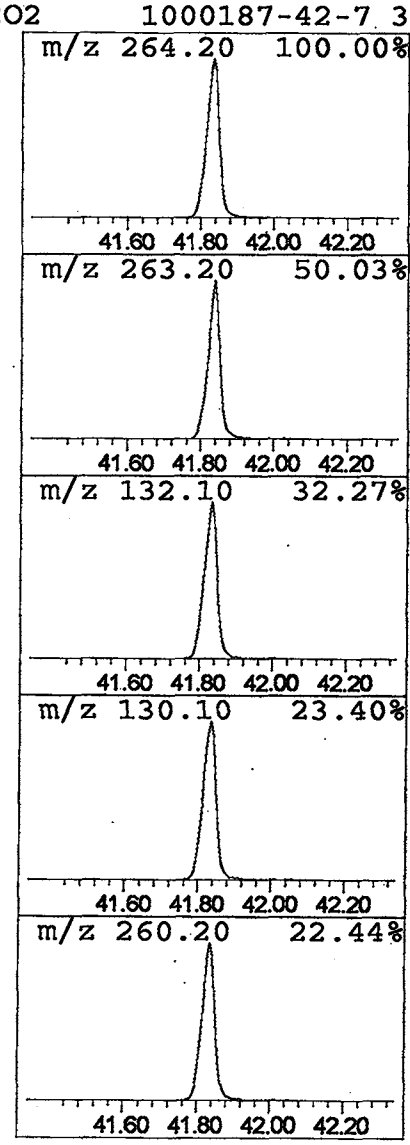
Peak Number 7 Perylene-d12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.84	34.32 ug/l	41695400	Perylene-d12	43.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene-d12	264	C20D12	001520-96-3	89
2	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	46
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	40
4	Cyclohex-4-ene-1,2-dicarboxylic ...	392	C24H44N2O2	1000187-42-7	38





Operator ID: Nefliu Date Acquired: 24 Apr 2002 11:44 am
Data File: C:\MSDCHEM\1\DATA\020424\0416LB.D
Name: 04/16 lab blk
Misc:
Method: C:\MSDCHEM\1\METHODS\SCAN020424.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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
2-Pentanone, 4-hy...	6.16	11.3	ug/l	13449200	1	11.38	47617600	40.0
Ethyl Chloride	6.28	0.4	ug/l	524273	1	11.38	47617600	40.0
5H-Dibenzo[a,d]cy...	31.09	0.2	ug/l	651980	4	31.72	122443000	40.0
Chrysene-d12	31.29	0.4	ug/l	1136990	4	31.72	122443000	40.0
Indeno[2',1':4,5]...	31.32	0.2	ug/l	733220	4	31.72	122443000	40.0
Chrysene-d12	31.39	0.7	ug/l	2219070	4	31.72	122443000	40.0
Perylene-d12	41.84	34.3	ug/l	41695400	6	43.15	48592700	40.0