

User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 11:04:04

Sample: AE00318
Analysis: \$GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 10:53 Ended: 1/10/02 10:53 Analyst: WB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		< MDL		
2	Surr_2,4-DDD		85		5.0

Quantitation Report (NOT Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\318.D
 Acq On : 8 Jan 2002 7:06 pm
 Sample : 508scan
 Misc : January 8, 2002
 MS Integration Params: SPLIT.P
 Quant Time: Jan 09 12:51:29 2002

Vial: 3
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Last Update : Wed Jan 09 12:49:14 2002
 Response via : Initial Calibration
 DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1196175	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	5094295	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2633304	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4437396	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	4095782	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2986104	20.00	ug/L	0.00

System Monitoring Compounds

37) 2,4-DDD	27.73	235	298979	4.26	ug/L	0.00
Spiked Amount	5.000		Recovery	=	85.20%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-nitroso-dimethylamine	3.60	74	8797	0.17	ug/L #	14
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-Chloropropa	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) metha	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	18.34	163	430188	2.47	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	340309	10.03	ug/L #	17
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	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	0.00	77	0	N.D.		
30) N-nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 318.D SCAN508.M Wed Jan 09 12:51:30 2002

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Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Di-n-butylphthalate	24.85	149	12264	0.04 ug/L	97
36) 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	30.50	228	9632	0.04 ug/L #	72
42) Bis (2-ethylhexyl) phthala	31.11	149	11634	0.61 ug/L	95
43) Chrysene	30.50	228	9632	0.04 ug/L #	70
45) Di-n-octylphthalate	0.00	149	0	N.D.	
46) Benzo (b) fluoranthene	0.00	252	0	N.D.	
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	34.42	252	10648	0.05 ug/L #	1
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
 318.D SCAN508.M Wed Jan 09 12:51:30 2002

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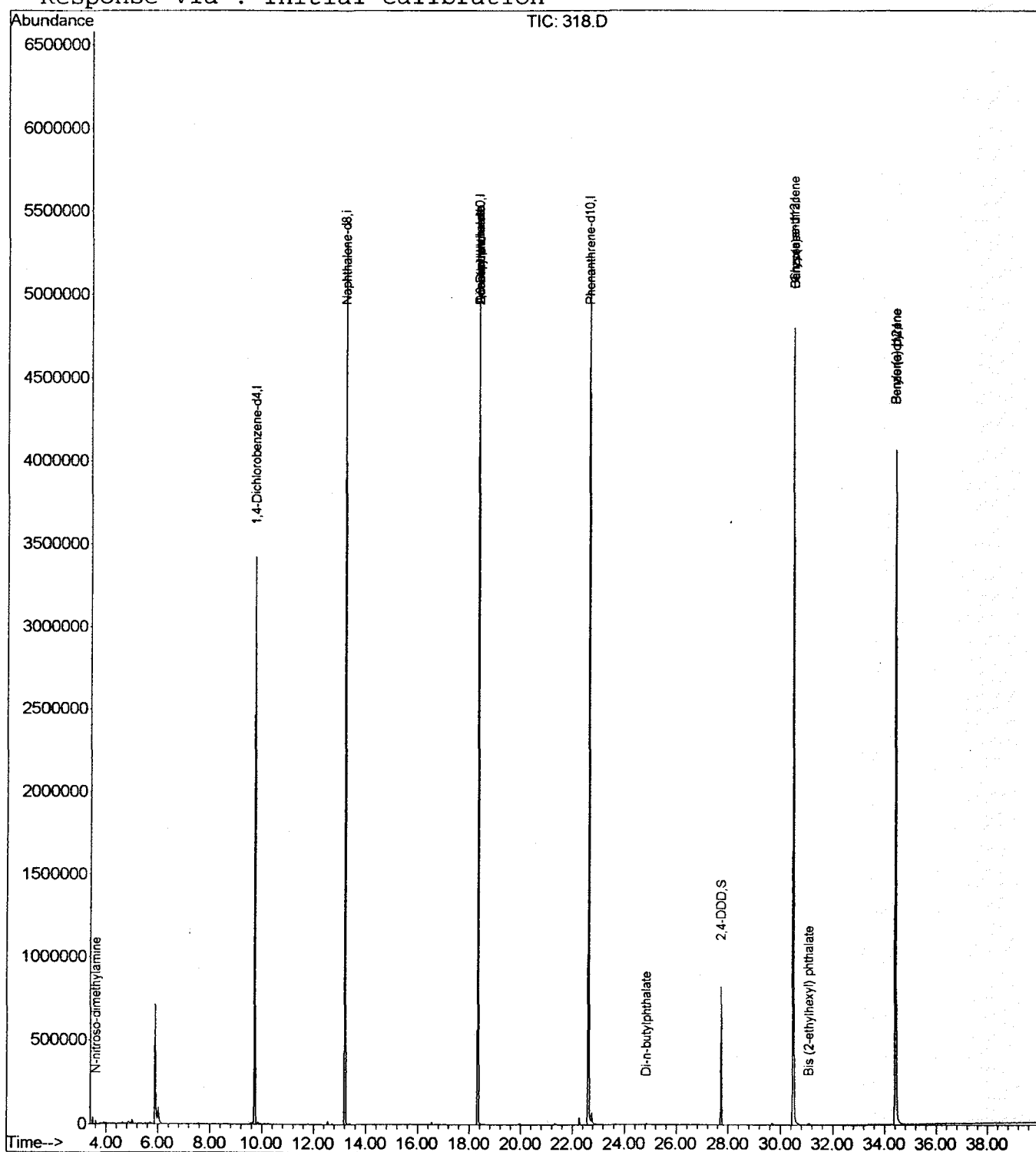
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 Quant Time: Jan 9 12:51 2002

Vial: 3
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
 Title : 508 scan method
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 Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\318.D
Acq On : 8 Jan 2002 7:06 pm
Sample : 508scan
Misc : January 8, 2002
MS Integration Params: LSCINT.P

Vial: 3
Operator:
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF
Sampling : 2
Start Thrs: 0.2
Stop Thrs : 0
Filtering: 5
Min Area: 100 Area counts
Max Peaks: 20
Peak Location: TOP

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

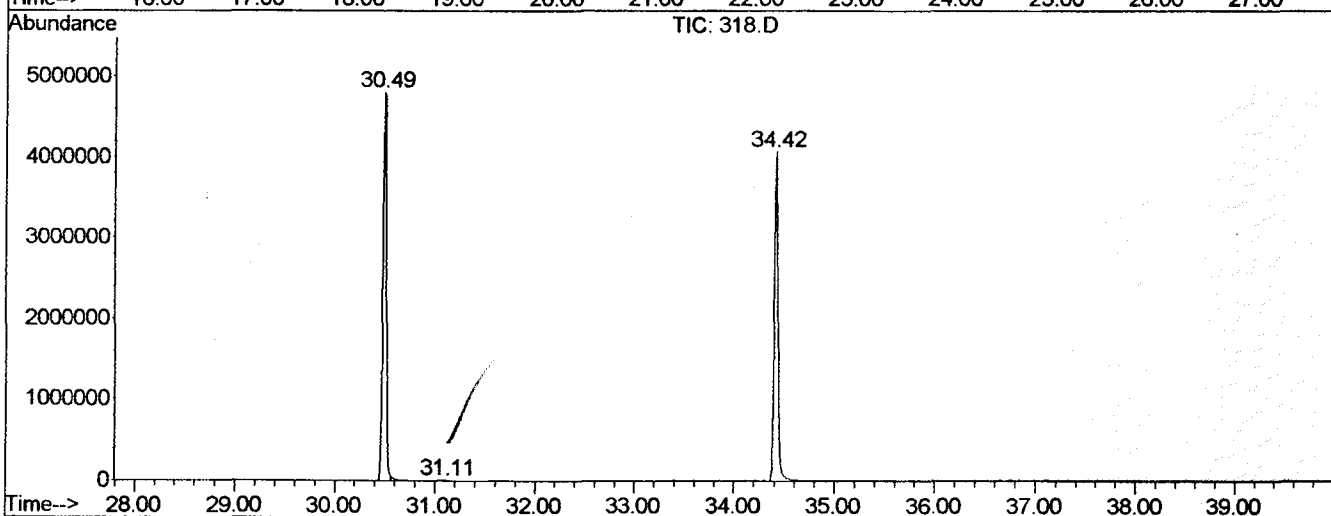
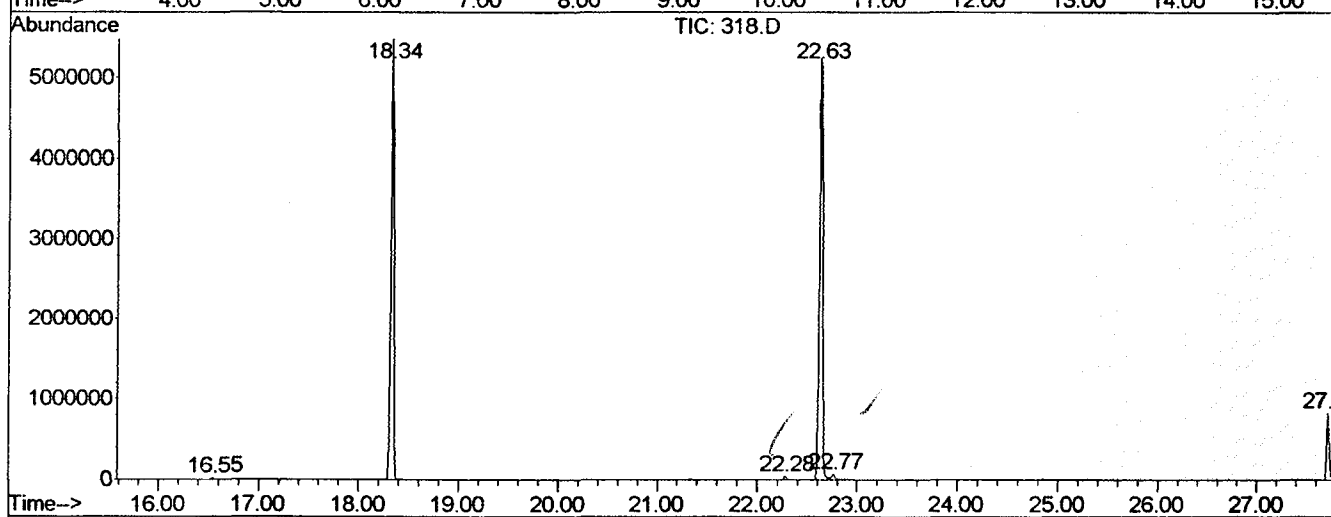
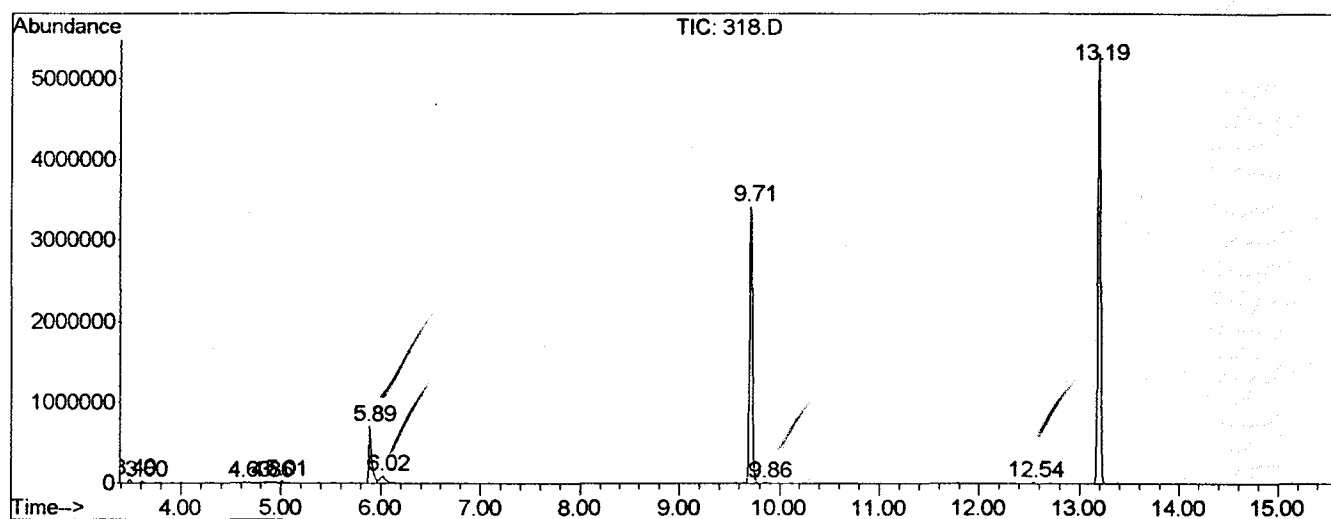
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.488	7	10	15	rBV	43887	69533	0.58%	0.107%
2	3.602	19	20	25	rVB	20730	37016	0.31%	0.057%
3	4.630	103	110	117	rVB3	10061	34876	0.29%	0.053%
4	4.858	123	130	137	rVV3	13908	59092	0.49%	0.091%
5	5.006	141	143	149	rVV	27279	48924	0.41%	0.075%
6	5.885	215	220	227	rVV	711757	1401181	11.72%	2.149%
7	6.022	227	232	255	rVB	94941	374676	3.14%	0.575%
8	9.710	551	555	561	rVV	3421022	6823765	57.10%	10.463%
9	9.859	561	568	577	rVV	13599	49351	0.41%	0.076%
10	12.541	799	803	807	rVB	21801	34279	0.29%	0.053%
11	13.192	855	860	865	rBV	5311897	9806187	82.05%	15.037%
12	16.549	1151	1154	1157	rBB	17490	32251	0.27%	0.049%
13	18.341	1305	1311	1315	rBV	5485746	10742915	89.89%	16.473%
14	22.280	1653	1656	1661	rBV2	45317	78694	0.66%	0.121%
15	22.634	1681	1687	1693	rBV2	5239640	11755399	98.36%	18.026%
16	22.771	1695	1699	1729	rVB	72032	233400	1.95%	0.358%
17	27.726	2129	2133	2139	rBV	825886	1436821	12.02%	2.203%
18	30.489	2369	2375	2381	rBV2	4801006	11950894	100.00%	18.325%
19	31.105	2425	2429	2435	rVV	12527	41485	0.35%	0.064%
20	34.416	2713	2719	2745	rBV	4063067	10204495	85.39%	15.647%

Sum of corrected areas: 65215234

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN08\318.D
 Operator :
 Acquired : 8 Jan 2002 7:06 pm using AcqMethod SCAN508
 Instrument : Instrumen
 Sample Name: 508scan
 Misc Info : January 8, 2002
 Vial Number: 3
 Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

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 Sample : 508scan
 Misc : January 8, 2002
 MS Integration Params: LSCINT.P

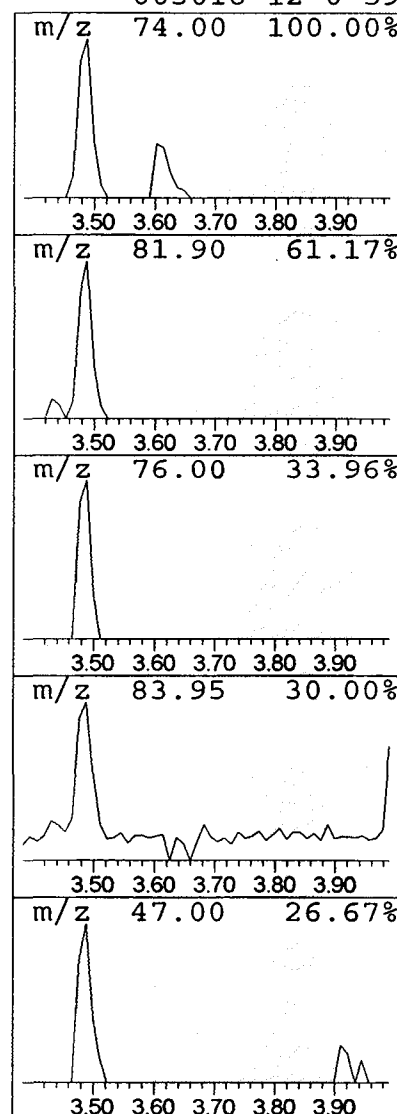
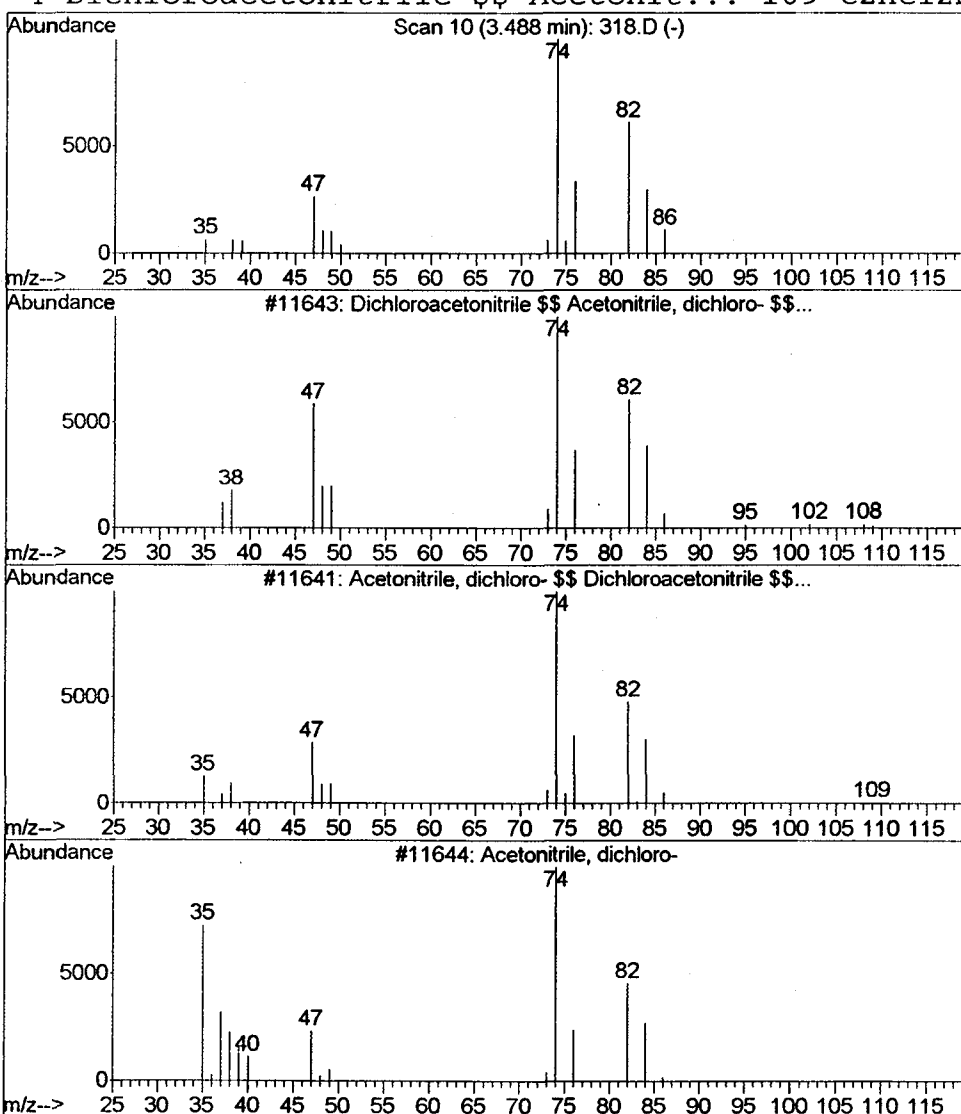
Vial: 3
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 1 Dichloroacetonitrile \$\$ Ace... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	0.20 ug/L	69533	1,4-Dichlorobenzene-d4	9.72

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetonitrile \$\$ Acetonit...	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro- \$\$ Dichl...	109	C2HCl2N	003018-12-0	74
3	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	72
4	Dichloroacetonitrile \$\$ Acetonit...	109	C2HCl2N	003018-12-0	59



prob should have TIC's

Library Search Compound Report

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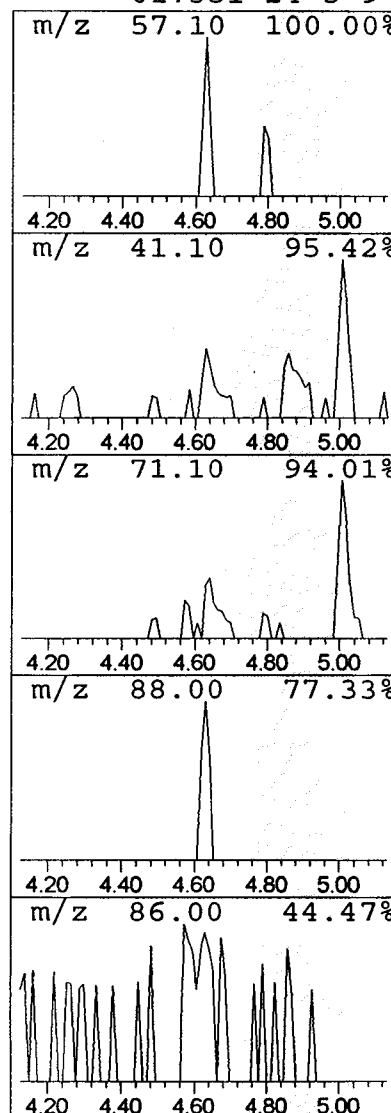
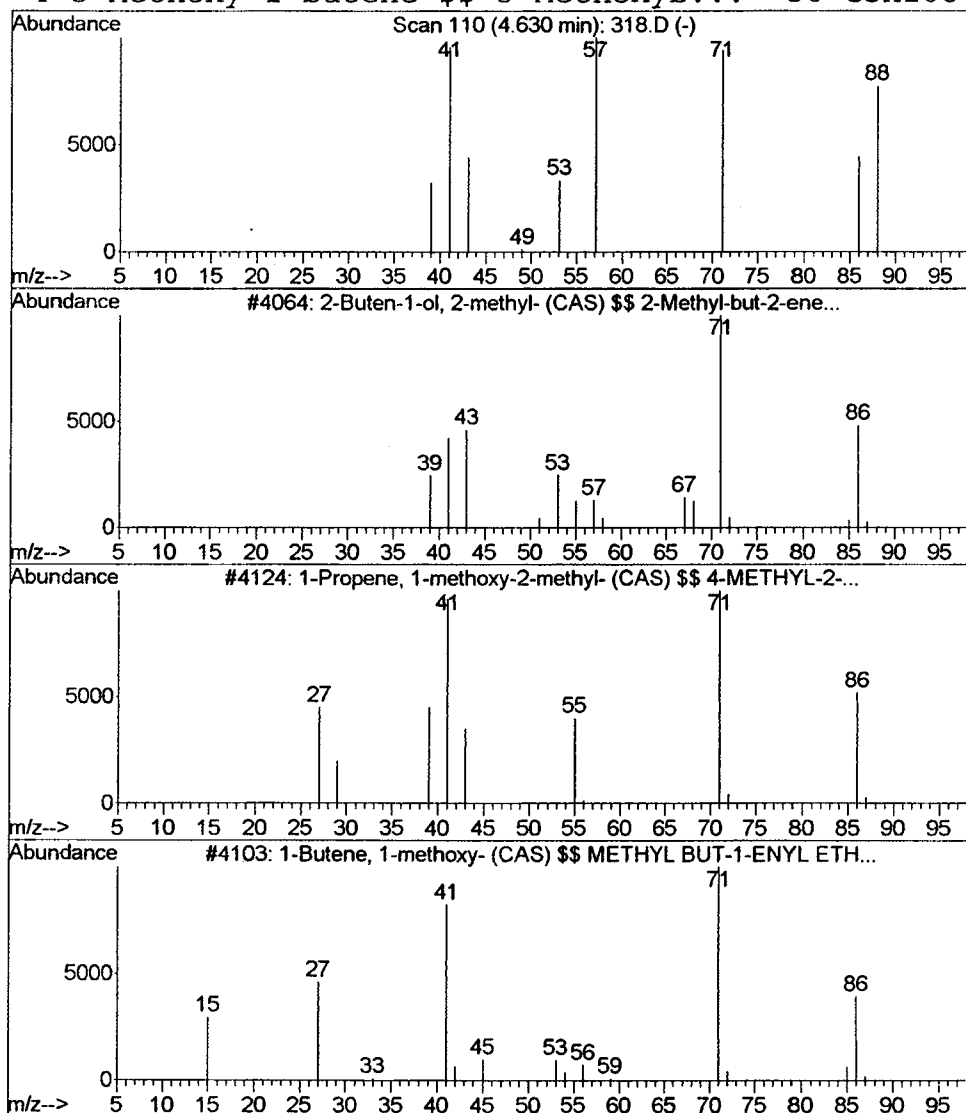
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 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 2 2-Buten-1-ol, 2-methyl- (CA... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.10 ug/L	34876	1,4-Dichlorobenzene-d4	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Buten-1-ol, 2-methyl- (CAS) \$\$...	86	C5H10O	004675-87-0	47
2		1-Propene, 1-methoxy-2-methyl- (...)	86	C5H10O	017574-84-4	32
3		1-Butene, 1-methoxy- (CAS) \$\$ ME...	86	C5H10O	029512-02-5	9
4		3-Methoxy-1-butene \$\$ 3-Methoxyb...	86	C5H10O	017351-24-5	9



Library Search Compound Report

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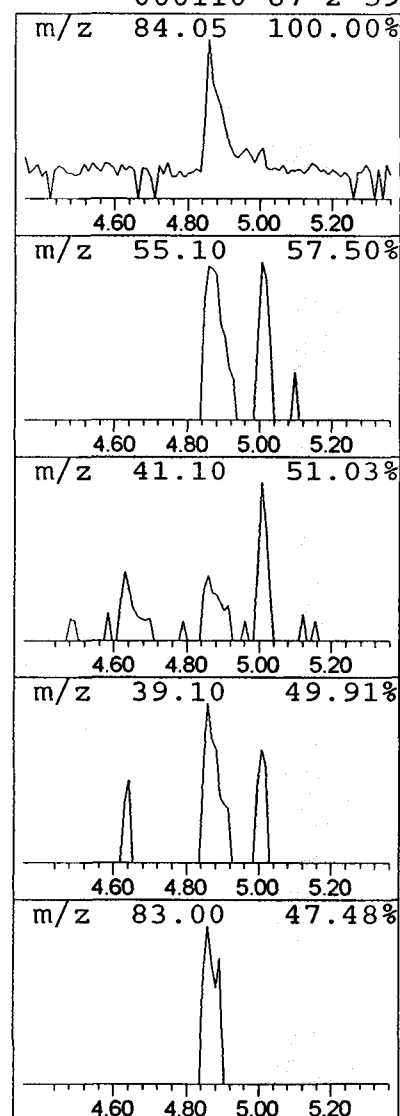
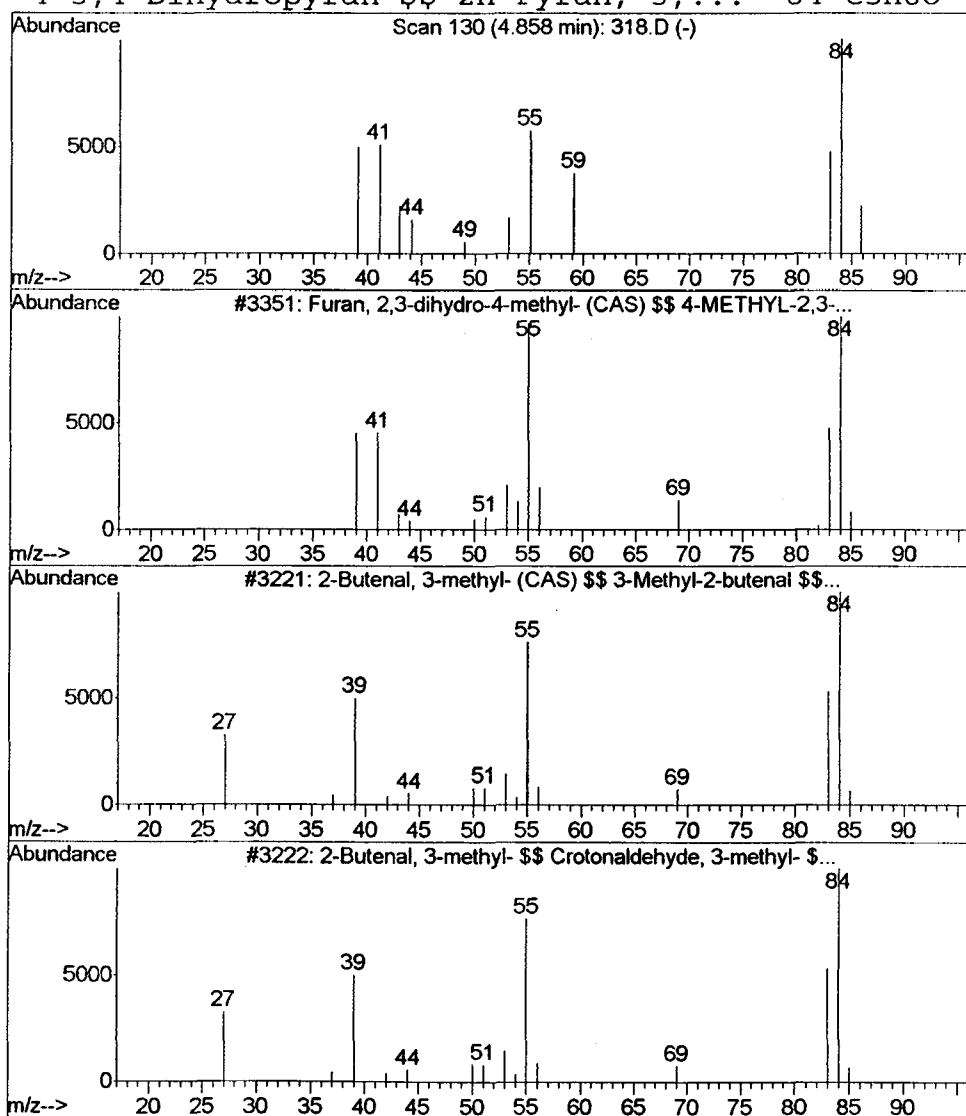
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Operator:
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

Peak Number 3 Furan, 2,3-dihydro-4-methyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	0.17 ug/L	59092	1,4-Dichlorobenzene-d4	9.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	64
2			2-Butenal, 3-methyl- (CAS) \$\$ 3-...	84	C5H8O	000107-86-8	64
3			2-Butenal, 3-methyl- \$\$ Crotonal...	84	C5H8O	000107-86-8	64
4			3,4-Dihdropyran \$\$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	59



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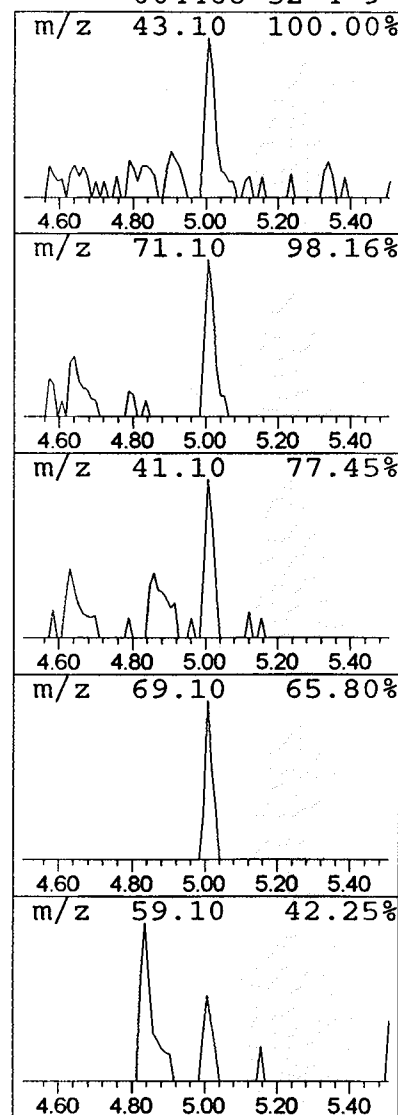
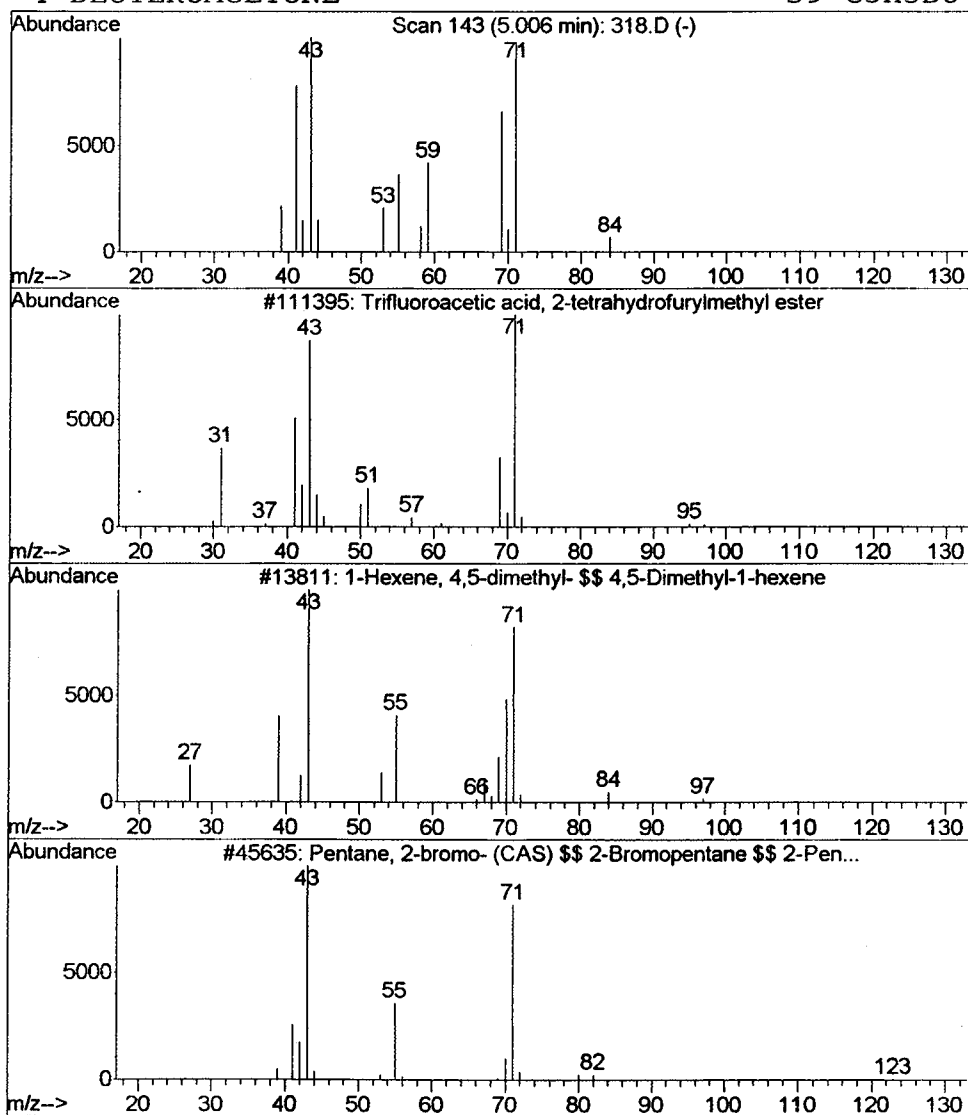
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 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 4 Trifluoroacetic acid, 2-tet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.14 ug/L	48924	1,4-Dichlorobenzene-d4	9.72

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Trifluoroacetic acid, 2-tetrahyd...	198	C7H9F3O3	000000-00-0	(25)
2		1-Hexene, 4,5-dimethyl- \$\$ 4,5-D...	112	C8H16	016106-59-5	25
3		Pentane, 2-bromo- (CAS) \$\$ 2-Bro...	150	C5H11Br	000107-81-3	23
4		DEUTEROACETONE	59	C3H5DO	004468-52-4	9



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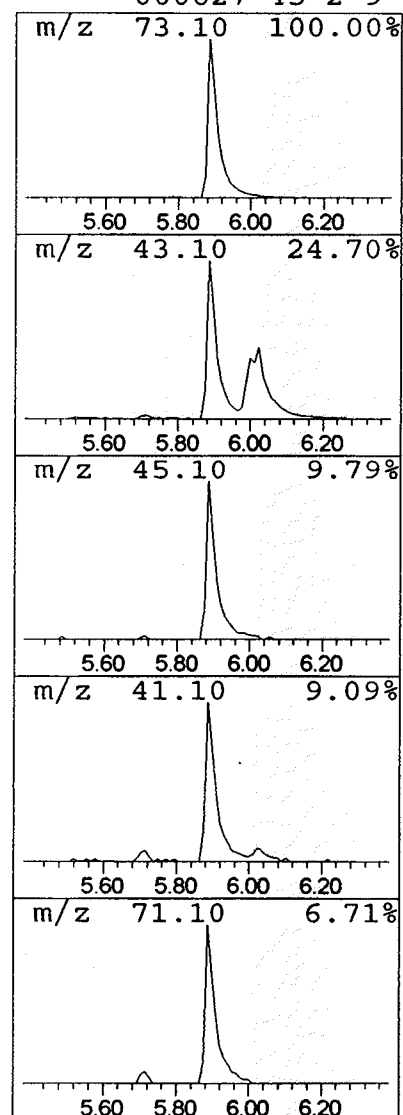
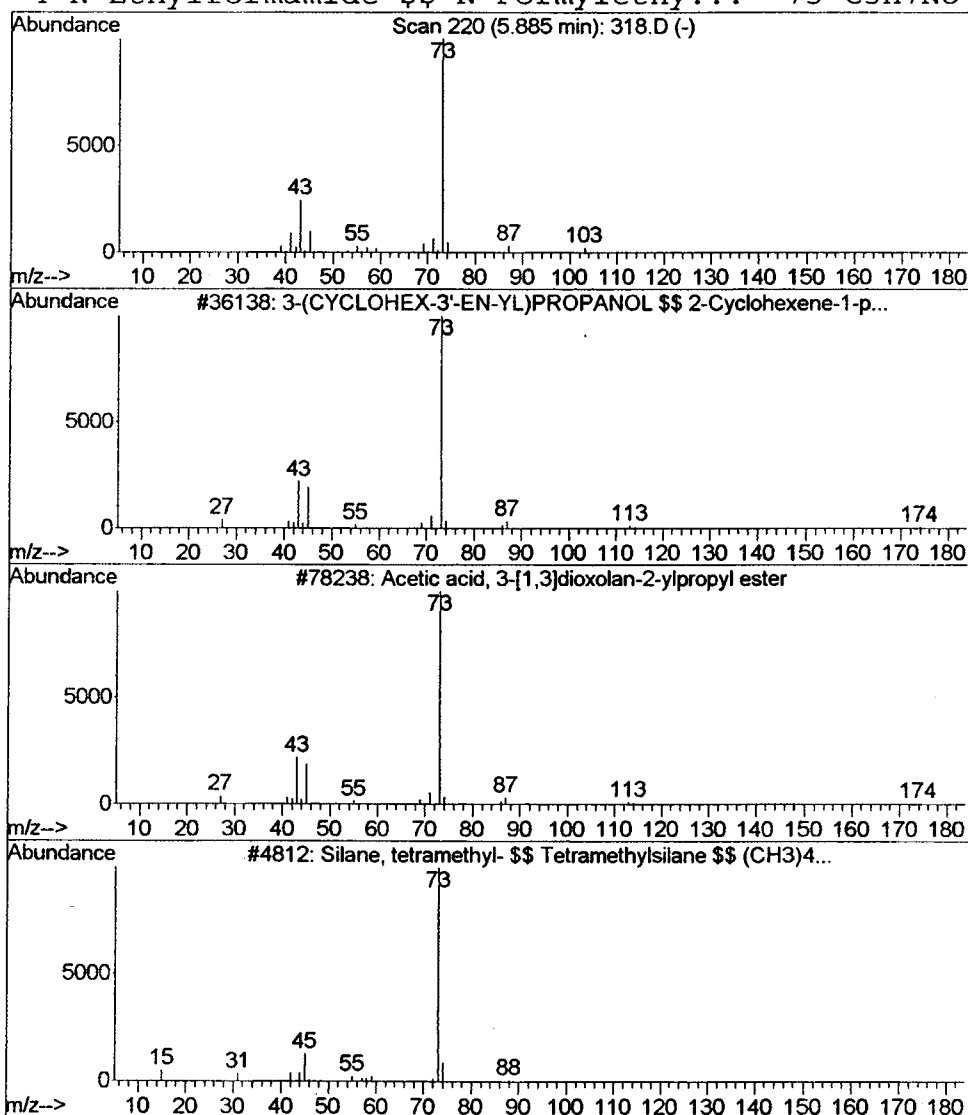
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 Peak Number 5 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.11 ug/L	1401180	1,4-Dichlorobenzene-d4	9.72

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-(CYCLOHEX-3'-EN-YL)PROPANOL \$\$...	174	C8H14O4	015745-87-6	33
2		Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3		Silane, tetramethyl- \$\$ Tetramet...	88	C4H12Si	000075-76-3	28
4		N-Ethylformamide \$\$ N-Formylethy...	73	C3H7NO	000627-45-2	9



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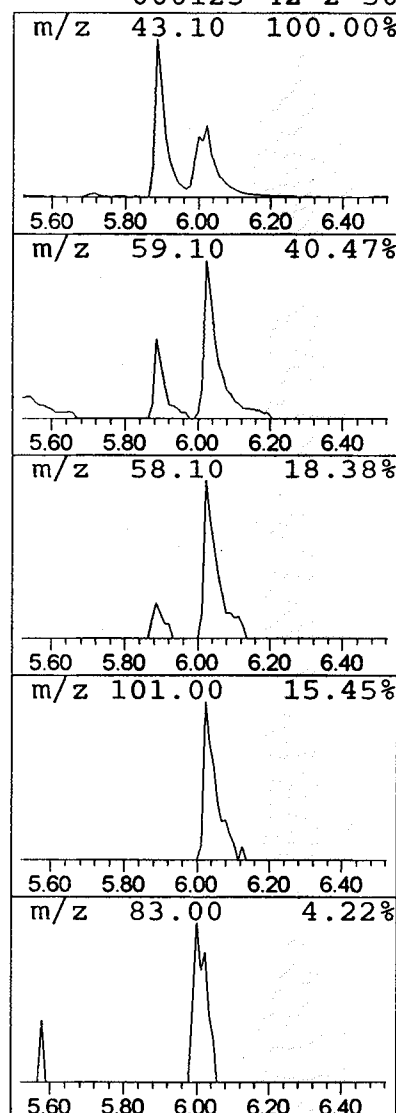
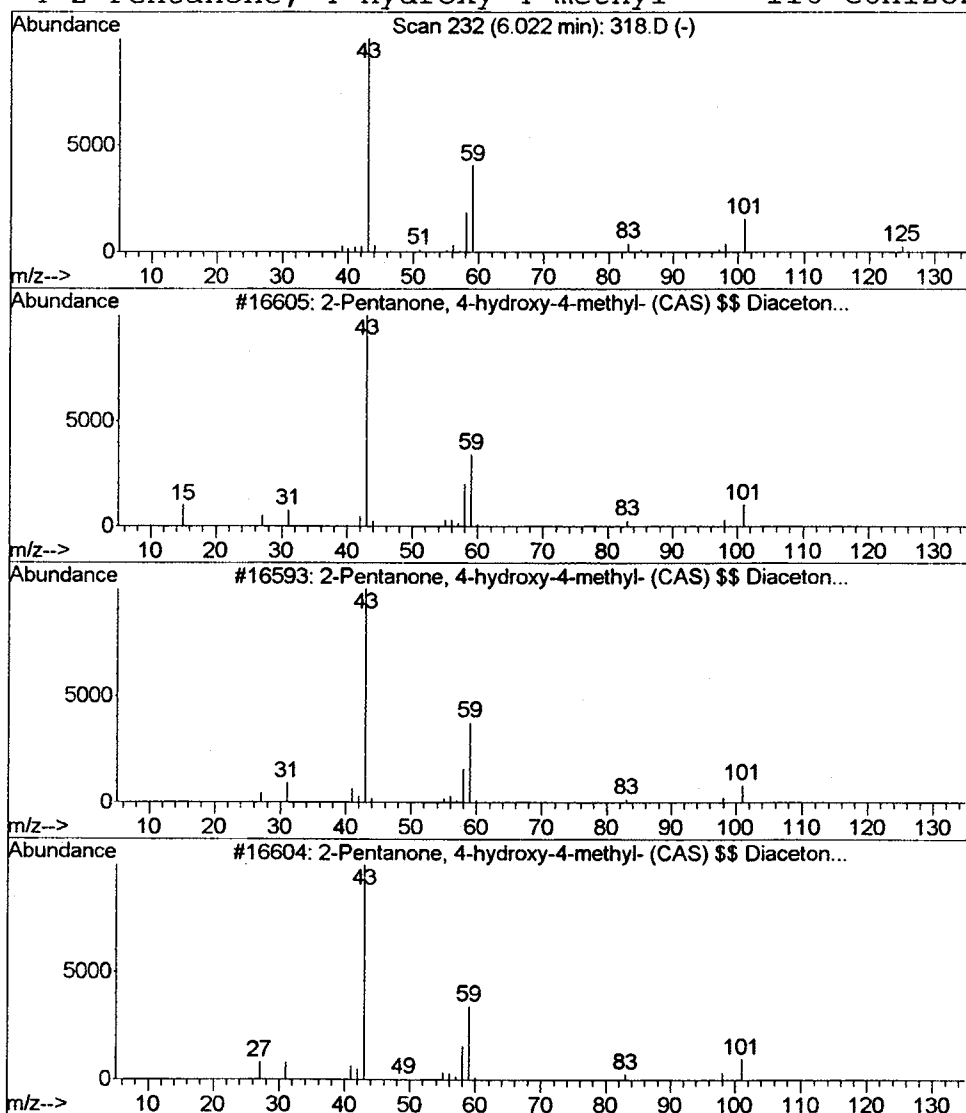
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 Operator:
 Inst : Instrumen
 Multiplr: 1.00

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 Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.02	1.10 ug/L	374676	1,4-Dichlorobenzene-d4	9.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	78
2			2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	72
3			2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	64
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50



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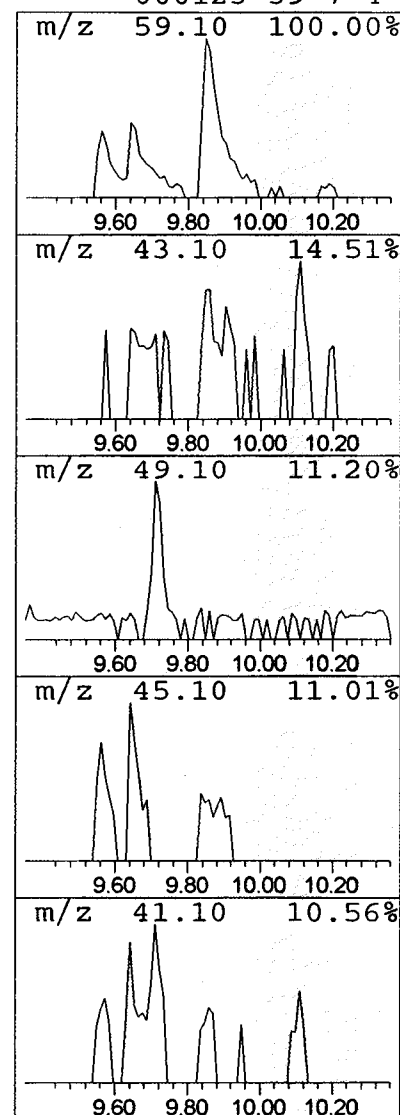
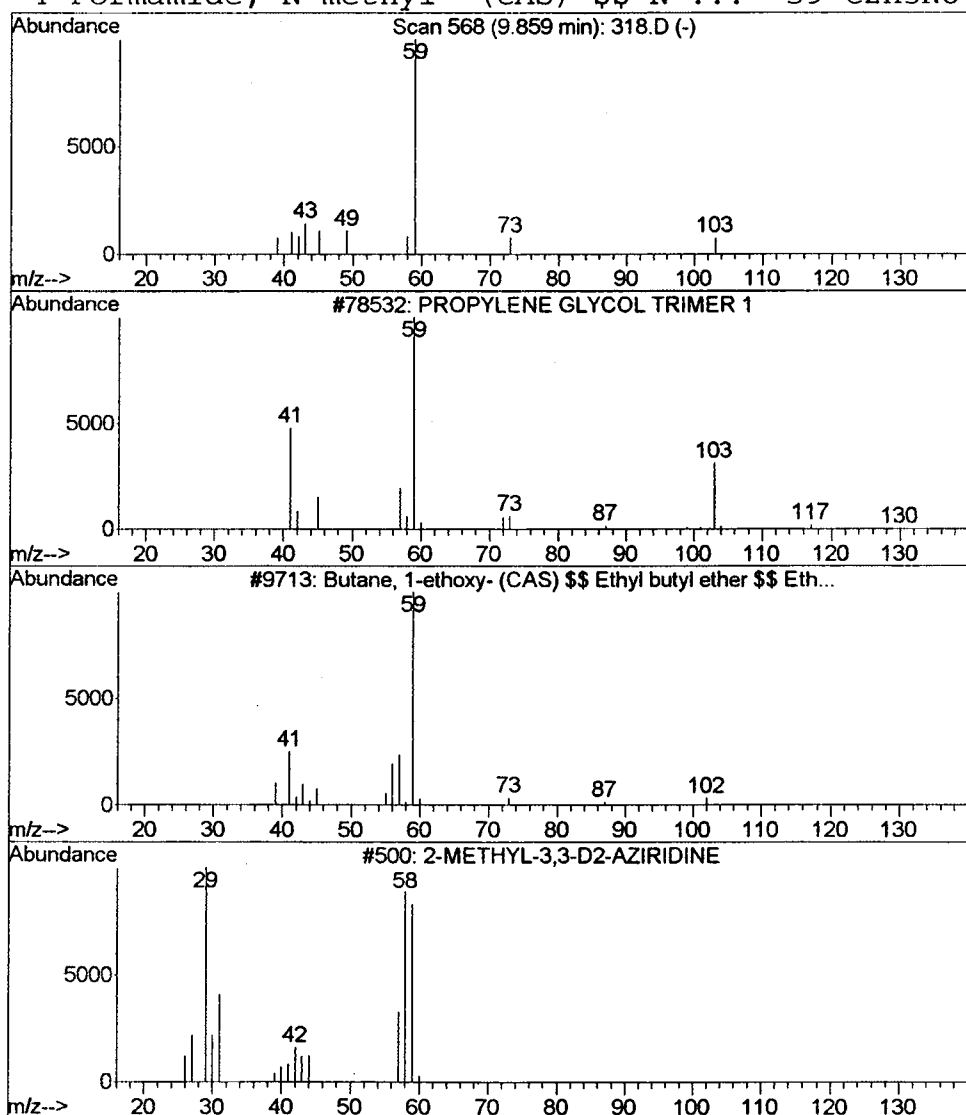
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 Peak Number 7 PROPYLENE GLYCOL TRIMER 1 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	0.14 ug/L	49351	1,4-Dichlorobenzene-d4	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	9
2		Butane, 1-ethoxy- (CAS) \$\$ Ethyl...	102	C6H14O	000628-81-9	9
3		2-METHYL-3,3-D2-AZIRIDINE	59	C3H5D2N	030691-55-5	7
4		Formamide, N-methyl- (CAS) \$\$ N-...	59	C2H5NO	000123-39-7	4



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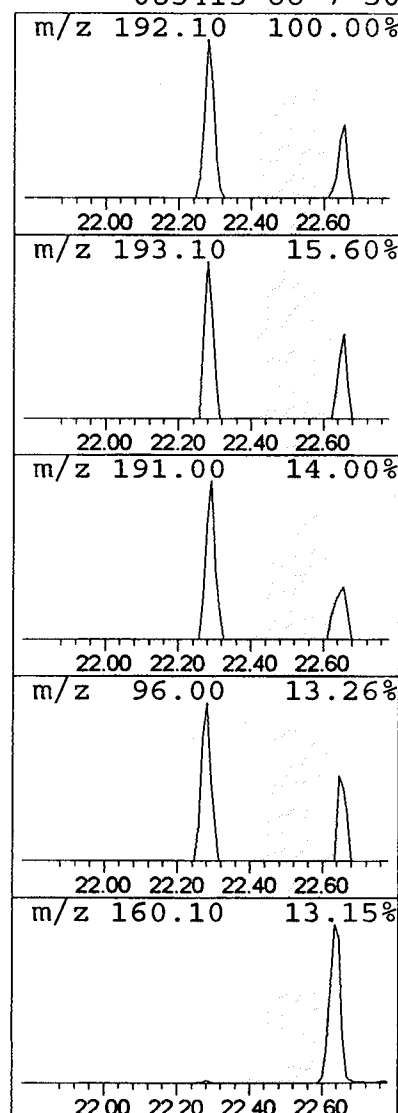
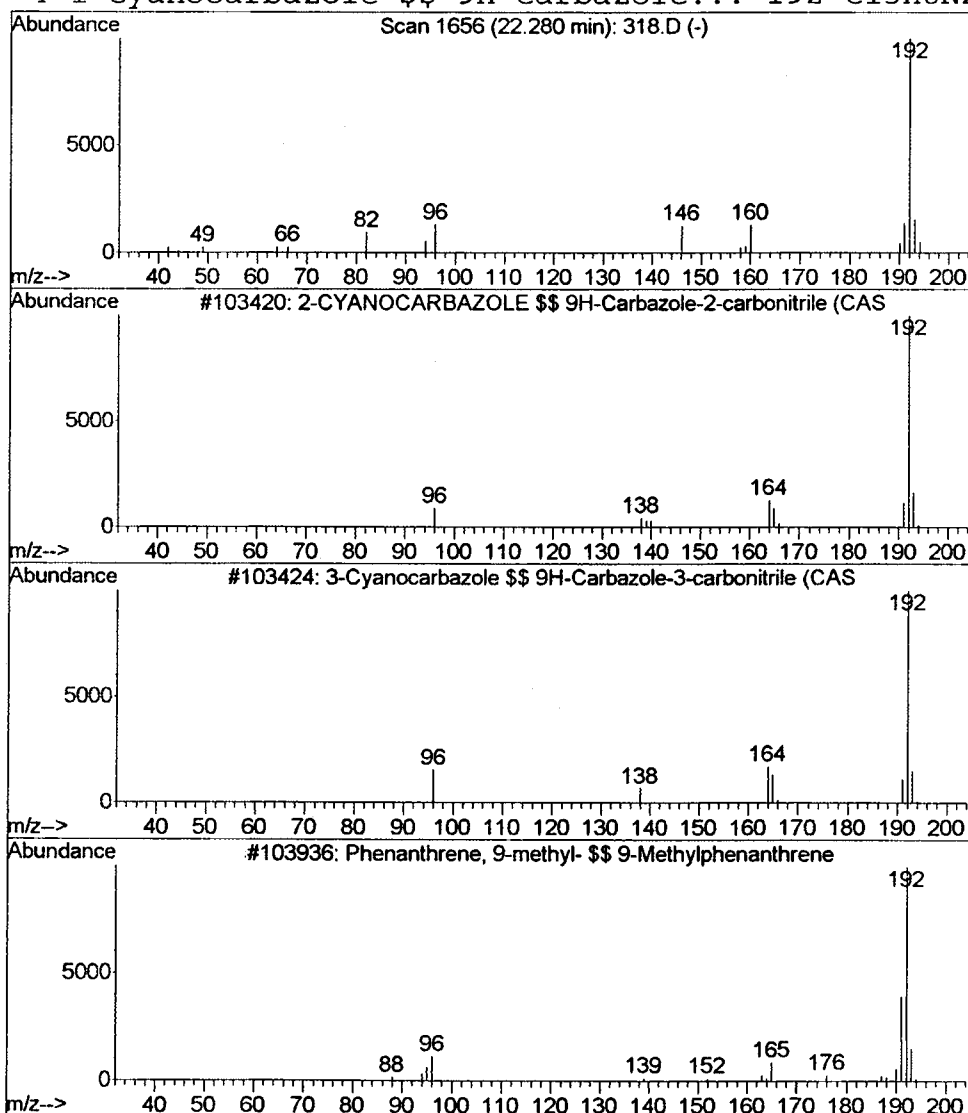
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 Peak Number 8 2-CYANOCARBAZOLE \$\$ 9H-Carb... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	78694	Phenanthrene-d10	22.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-CYANOCARBAZOLE \$\$ 9H-Carbazole...	192	C13H8N2	057955-18-7	72	
2	3-Cyanocarbazole \$\$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72	
3	Phenanthrene, 9-methyl- \$\$ 9-Met...	192	C15H12	000883-20-5	53	
4	1-Cyanocarbazole \$\$ 9H-Carbazole...	192	C13H8N2	083415-88-7	50	



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\318.D
 Acq On : 8 Jan 2002 7:06 pm
 Sample : 508scan
 Misc : January 8, 2002
 MS Integration Params: LSCINT.P

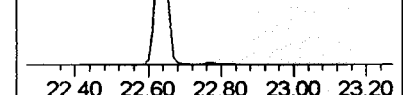
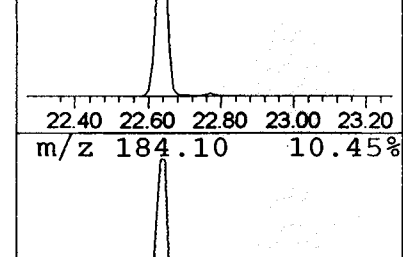
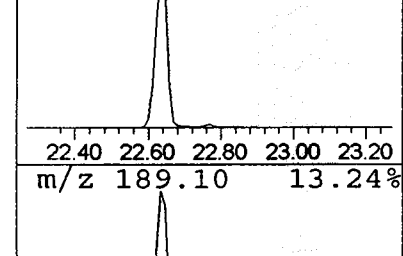
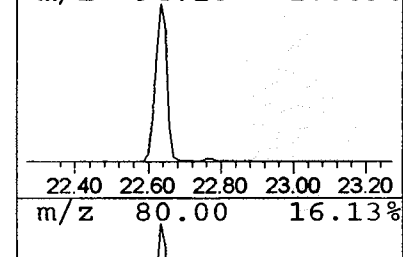
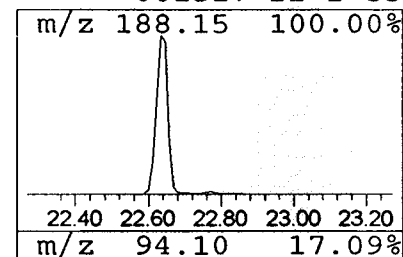
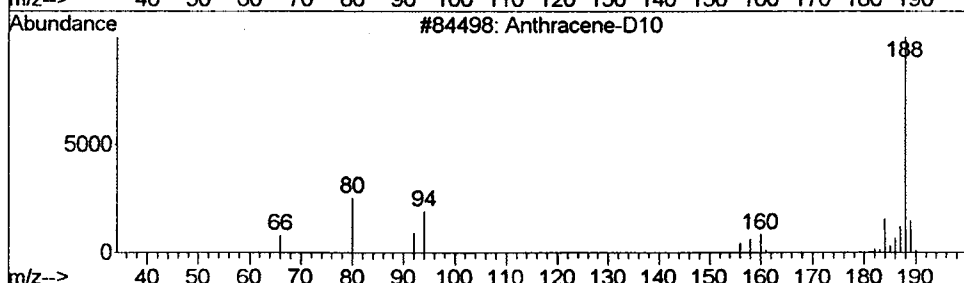
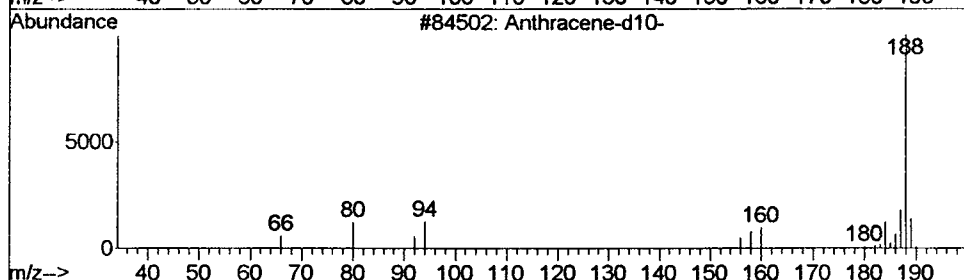
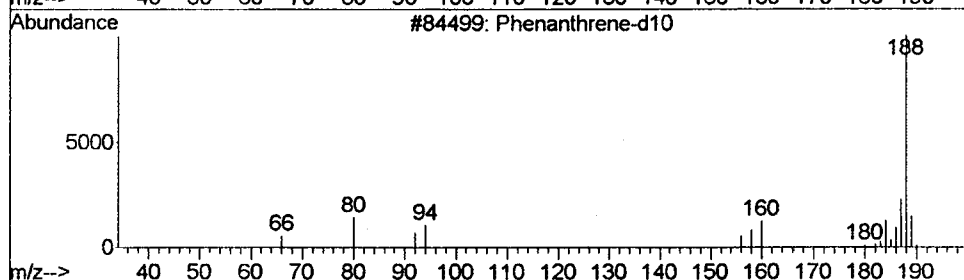
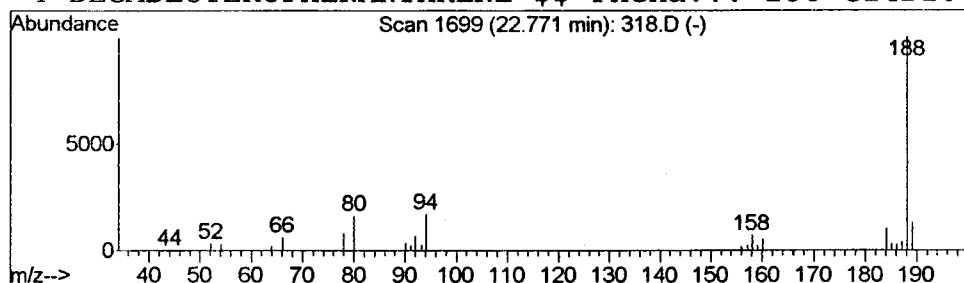
Vial: 3
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 9 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.40 ug/L	233400	Phenanthrene-d10	22.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene-d10	188	C14D10	001517-22-2	86
2		Anthracene-d10-	188	C14D10	001719-06-8	78
3		Anthracene-D10	188	C14D10	000000-00-0	78
4		DECADEUTEROPHENANTHRENE \$\$ Phena...	188	C14D10	001517-22-2	53



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 8 Jan 2002 7:06 pm
Data File: C:\MSDCHEM\1\5973N\02JAN08\318.D
Name: 508scan
Misc: January 8, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard---			
					#	RT	Resp	Conc
Dichloroacetonitr...	3.49	0.2	ug/L	69533	1	9.72	6823770	20.0
2-Buten-1-ol, 2-m...	4.63	0.1	ug/L	34876	1	9.72	6823770	20.0
Furan, 2,3-dihydr...	4.86	0.2	ug/L	59092	1	9.72	6823770	20.0
Trifluoroacetic a...	5.01	0.1	ug/L	48924	1	9.72	6823770	20.0
3-(CYCLOHEX-3'-EN...	5.89	4.1	ug/L	1401180	1	9.72	6823770	20.0
2-Pentanone, 4-hy...	6.02	1.1	ug/L	374676	1	9.72	6823770	20.0
PROPYLENE GLYCOL...	9.86	0.1	ug/L	49351	1	9.72	6823770	20.0
2-CYANOCARBAZOLE...	22.28	0.1	ug/L	78694	4	22.63	11755400	20.0
<u>Phenanthrene d10</u>	22.77	0.4	ug/L	233400	4	22.63	11755400	20.0

.Comments for Sample AE00318 - Analysis \$GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:35:15

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 12 of the 43 compounds in the LCS Standard were above their acceptance ranges.