User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:12:58

Sample: AE00279
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:12 Ended: 1/10/02 16:12 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		110		5.0

Comments for Sample AE00279 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:13:02

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

Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:29 2002 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	1655034	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	7047649	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3624681	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	6048141	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	5552241	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	4015999	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	525226	5.49	ug/L	0.00
Spiked Amount 5.000			Recovery = 109.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.61	74	15596	0.22	ug/L #	10
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	583083	2.44	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	467334	10.01	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

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Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:29 2002 Quant Results File: SCAN508.RES

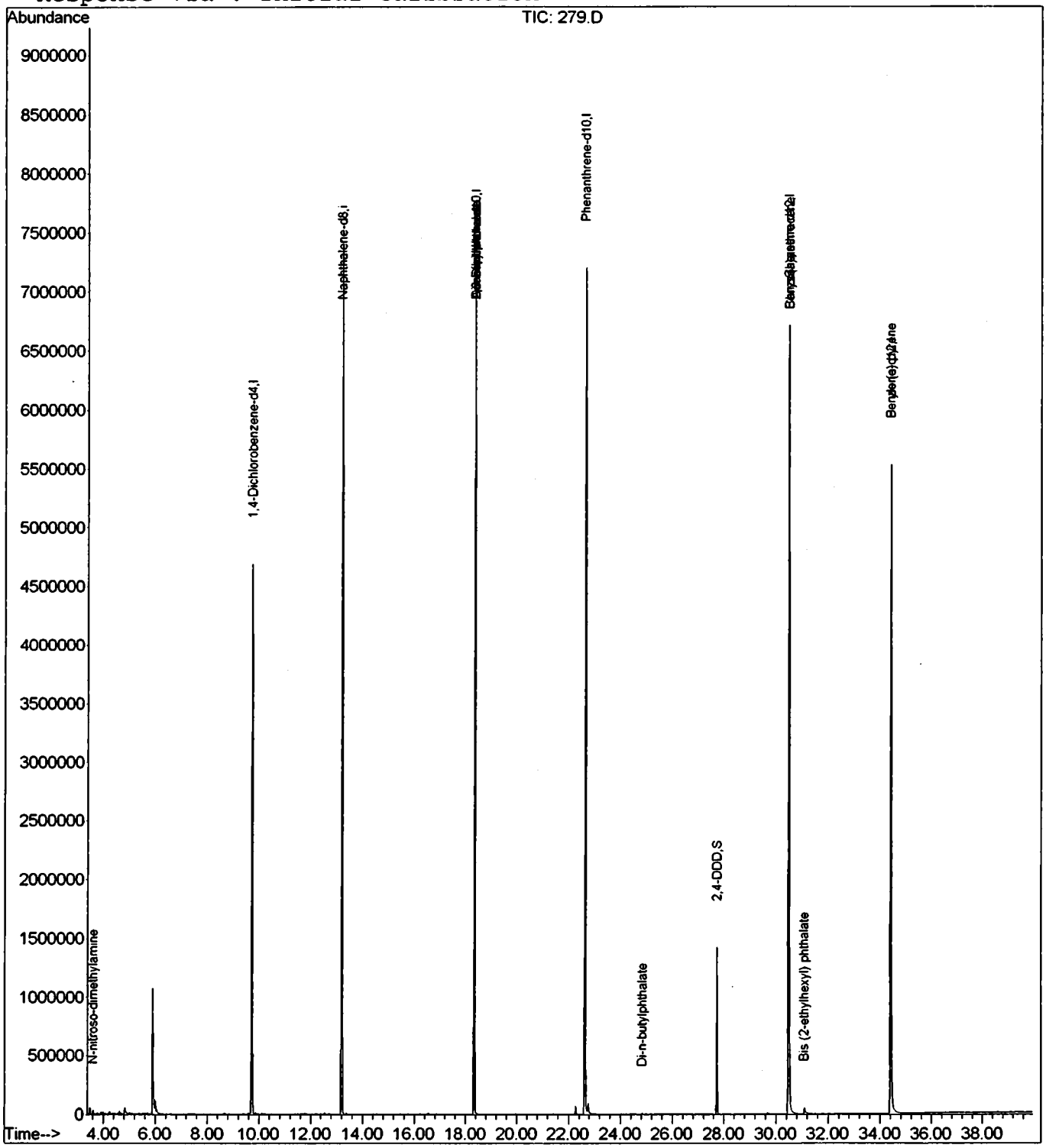
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Di-n-butylphthalate	24.85	149	15621	0.04 ug/L	99
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	12518	0.04 ug/L #	55
42)	Bis (2-ethylhexyl) phthala	31.11	149	59203	0.76 ug/L	82
43)	Chrysene	30.50	228	12518	0.04 ug/L #	53
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	14860	0.06 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
279.D SCAN508.M Thu Jan 10 08:38:30 2002 Page 2

Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 8:38 2002 Quant Results File: SCAN508.RE

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



Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

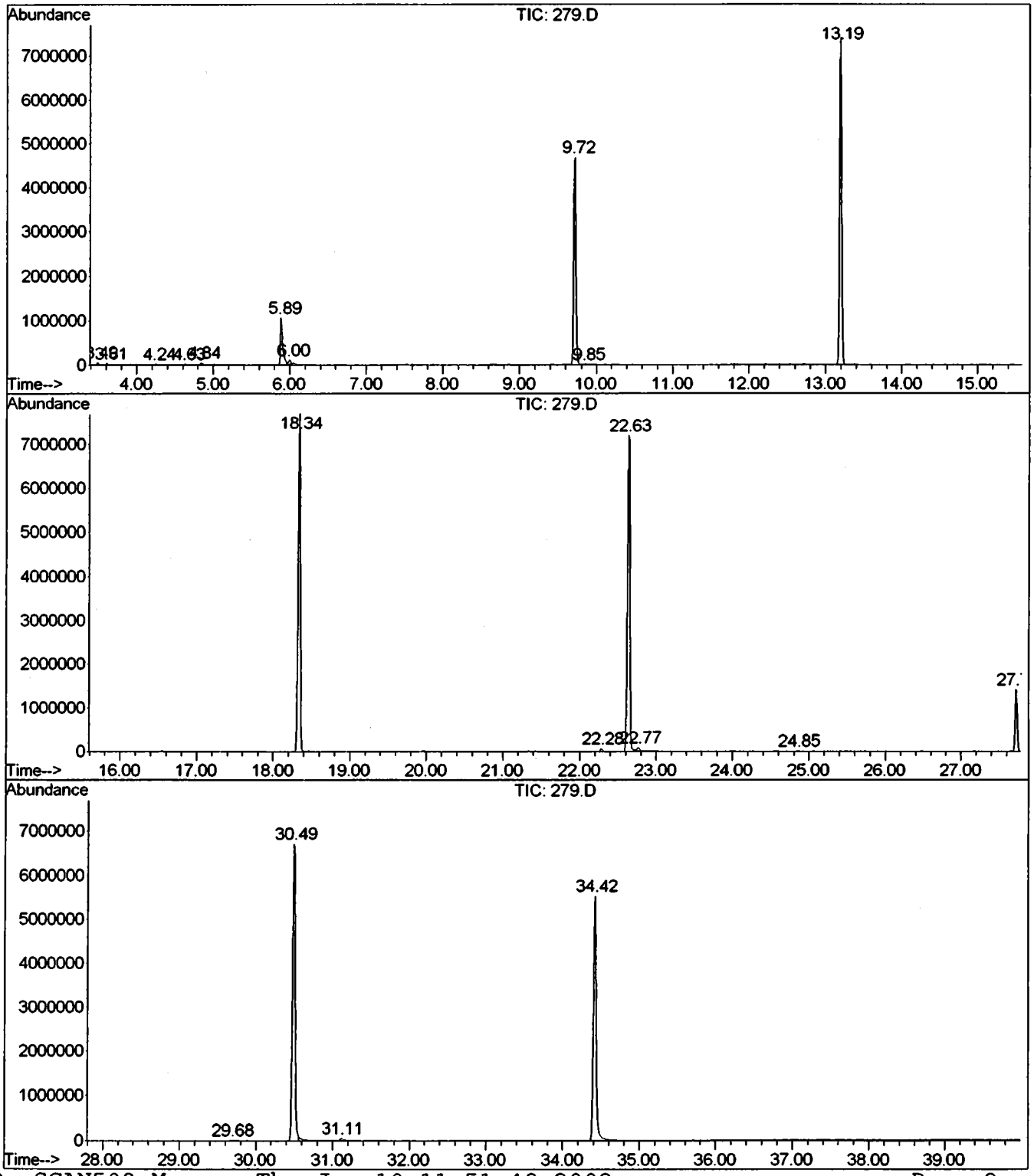
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.488	7	10	15	rVB	57069	84416	0.52%	0.094%
2	3.614	19	21	25	rBV	37171	67681	0.42%	0.075%
3	4.241	71	76	85	rVB5	20702	56341	0.35%	0.063%
4	4.630	103	110	121	rVB5	24980	69546	0.43%	0.078%
5	4.835	123	128	137	rBV2	50729	130536	0.80%	0.146%
6	5.885	217	220	227	rBV	1071703	2136516	13.13%	2.382%
7	6.000	227	230	233	rVB	91310	174362	1.07%	0.194%
8	9.722	551	556	561	rVV	4688021	9422696	57.92%	10.506%
9	9.847	561	567	575	rVV	16973	61016	0.38%	0.068%
10	13.192	855	860	865	rBV	7403803	13502695	83.00%	15.056%
11	18.341	1305	1311	1315	rBV	7696987	14753506	90.69%	16.450%
12	22.280	1653	1656	1661	rVB2	67078	115453	0.71%	0.129%
13	22.634	1681	1687	1693	rBV2	7198427	16007196	98.39%	17.848%
14	22.771	1695	1699	1711	rVB	85019	226799	1.39%	0.253%
15	24.849	1877	1881	1891	rVB	12903	32510	0.20%	0.036%
16	27.726	2129	2133	2139	rBV	1421037	2547916	15.66%	2.841%
17	29.678	2301	2304	2307	rBV3	15504	35322	0.22%	0.039%
18	30.489	2369	2375	2381	rBV2	6710893	16268825	100.00%	18.140%
19	31.105	2421	2429	2445	rBV2	54251	208738	1.28%	0.233%
20	34.416	2713	2719	2757	rVV	5525679	13783500	84.72%	15.369%

Sum of corrected areas: 89685570

File : C:\MSDCHEM\1\5973N\02JAN09\279.D
Operator :
Acquired : 9 Jan 2002 8:40 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 9, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

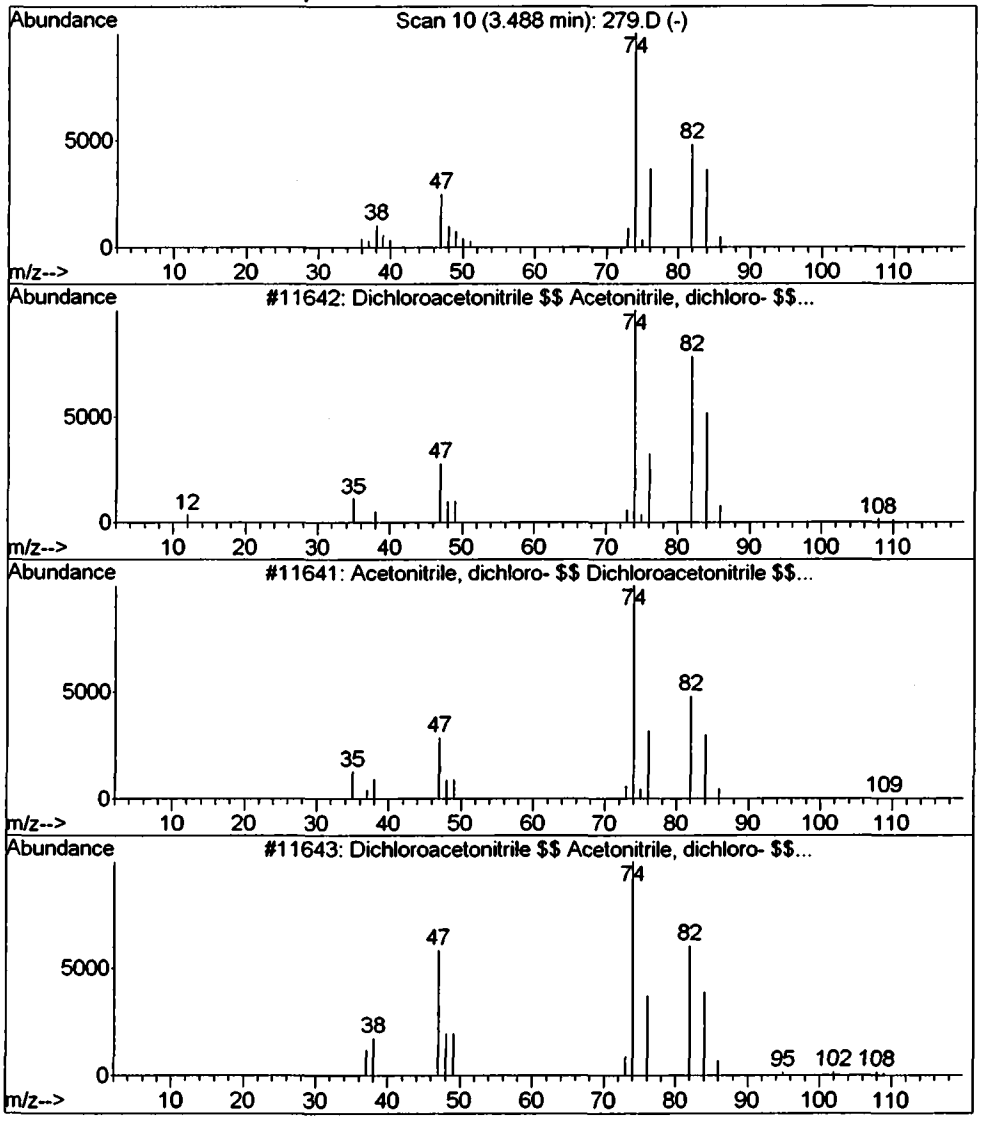
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

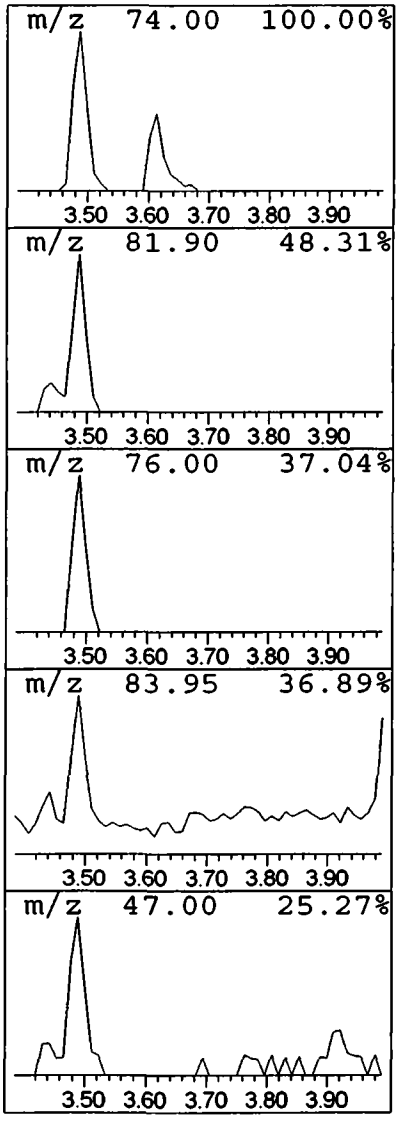
****

Peak Number 1 Dichloroacetonitrile $$ Ace... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	0.18 ug/L	84416	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	83
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	74
4	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	12





Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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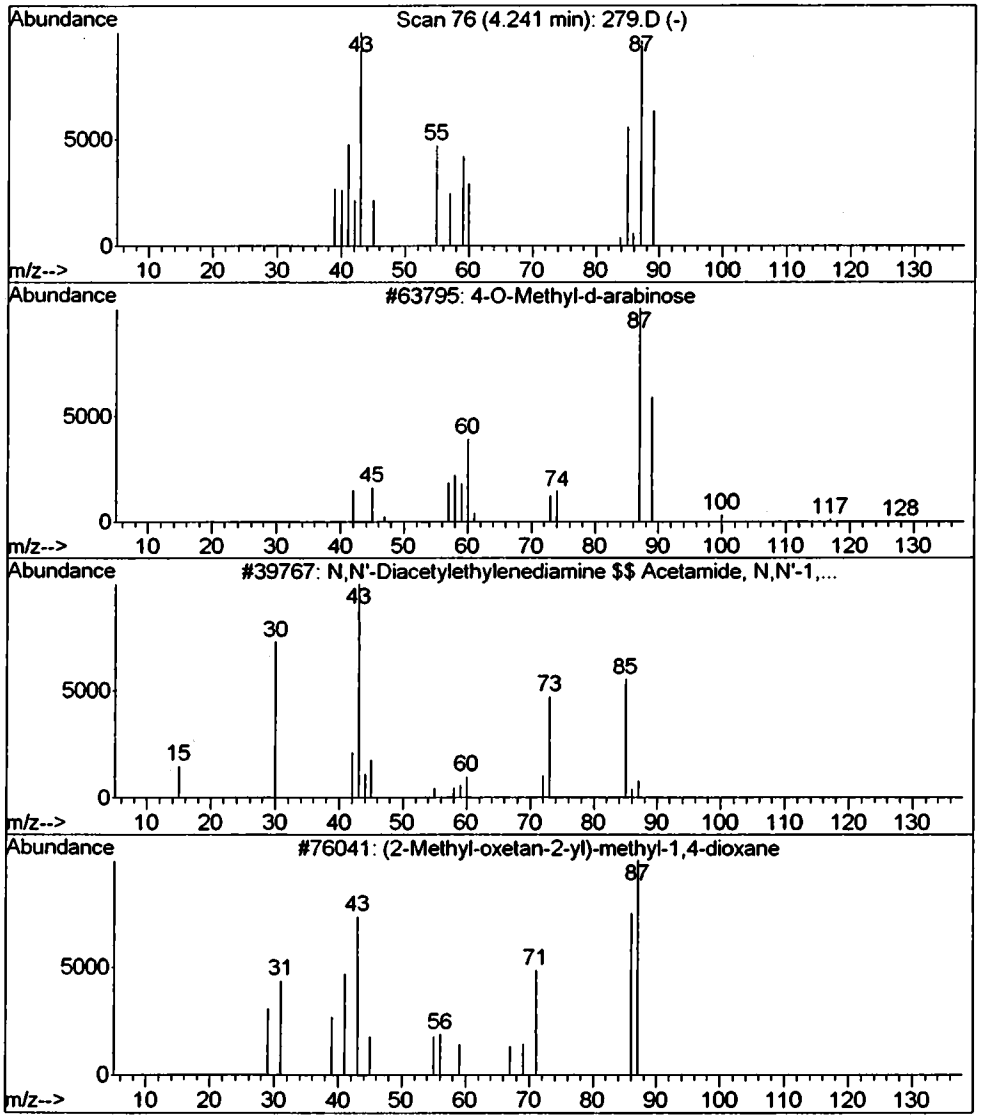
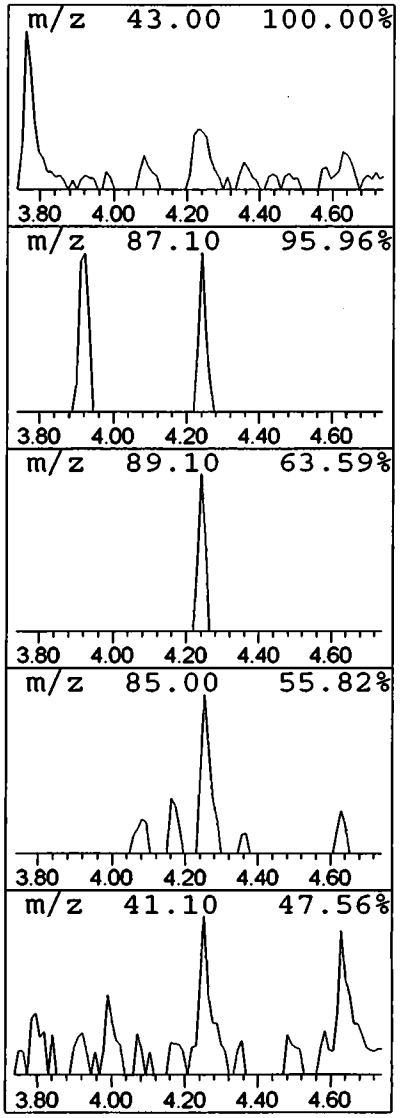
Peak Number 2 4-O-Methyl-d-arabinose Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.12 ug/L	56341	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-O-Methyl-d-arabinose	164	C6H12O5	000000-00-0	50
2	N,N'-Diacetylethylenediamine $$ ...	144	C6H12N2O2	000871-78-3	16
3	(2-Methyl-oxetan-2-yl)-methyl-1,...	172	C9H16O3	114872-47-8	16
4	THIOPHENE-D1	85	C4H3DS	000000-00-0	10





Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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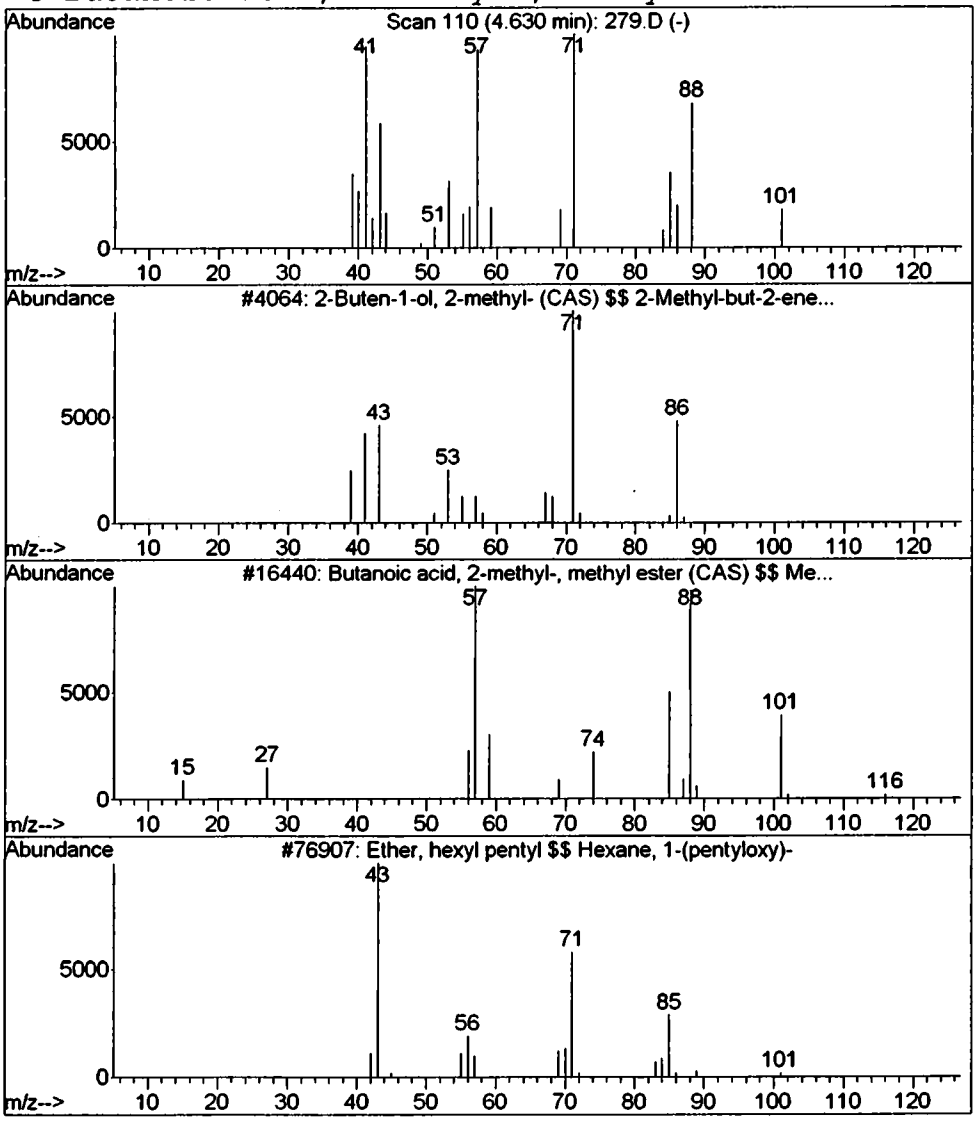
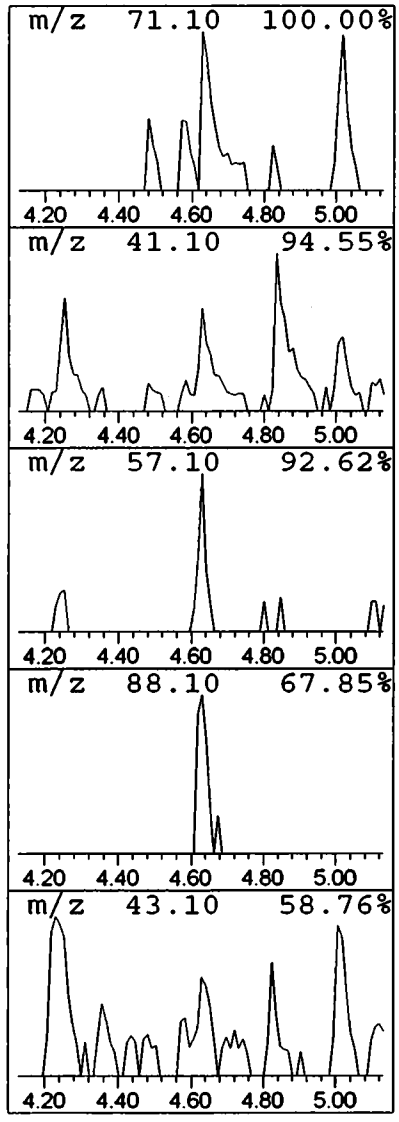
Peak Number 3 2-Buten-1-ol, 2-methyl- (CA... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.15 ug/L	69546	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	43
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	38
3	Ether, hexyl pentyl $$ Hexane, 1...	172	C11H24O	032357-83-8	38
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	35





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

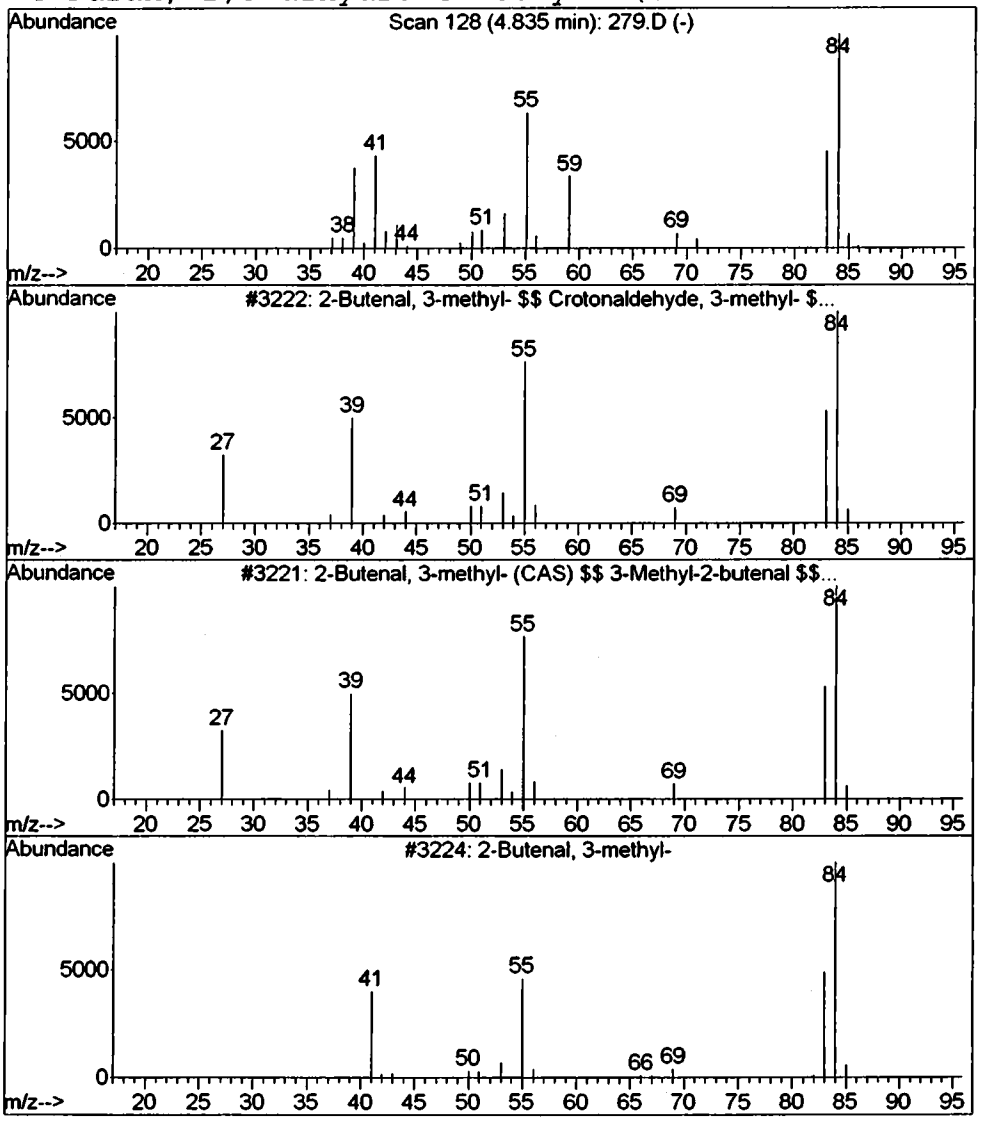
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

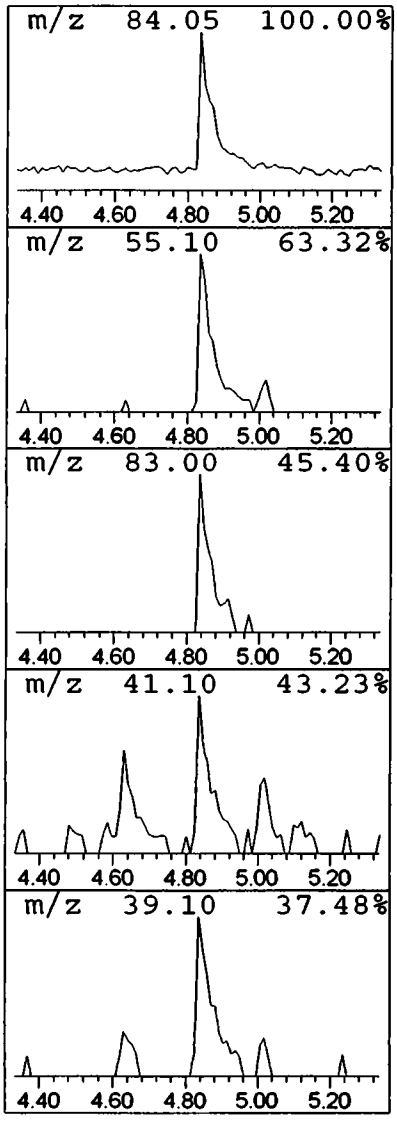
****

Peak Number 4 2-Butenal, 3-methyl- $$ Cro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	0.28 ug/L	130536	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	81
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	81
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	72
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	68





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Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

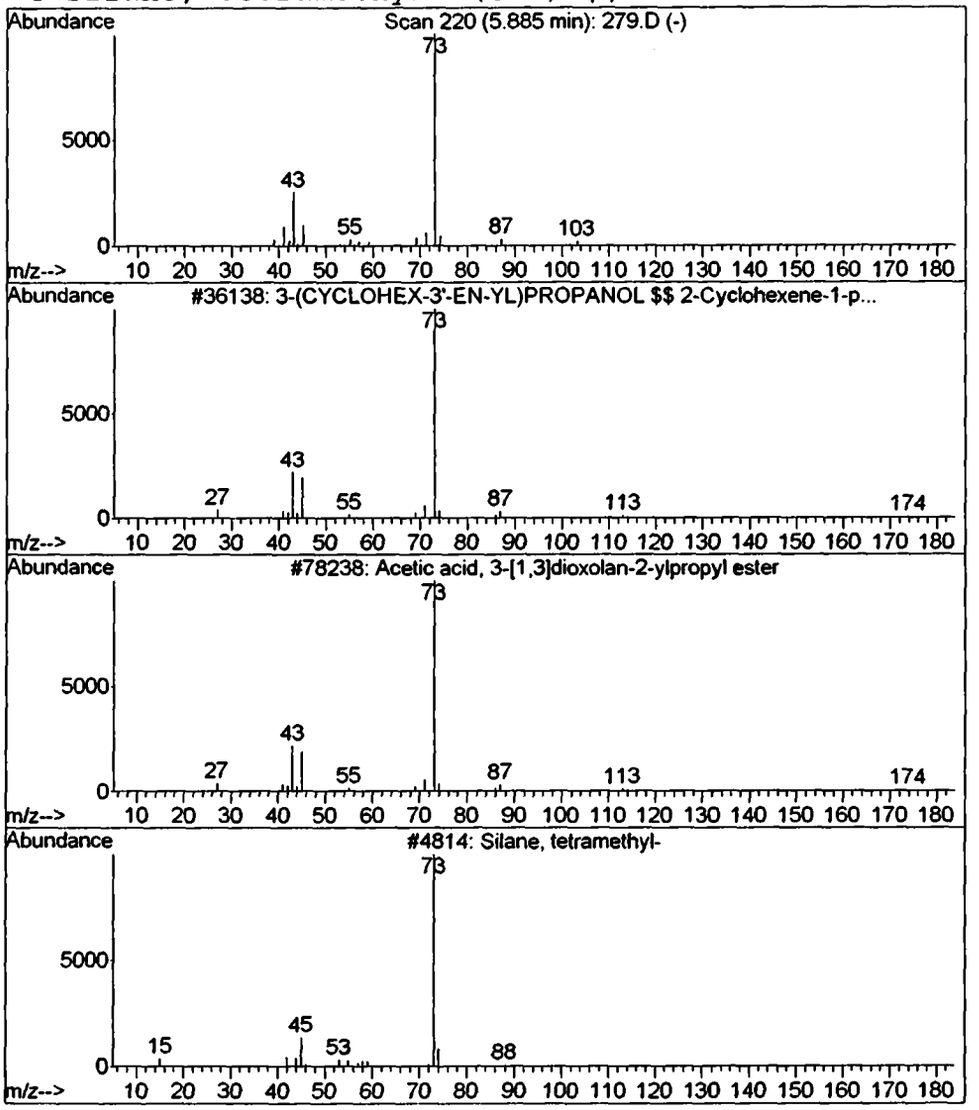
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

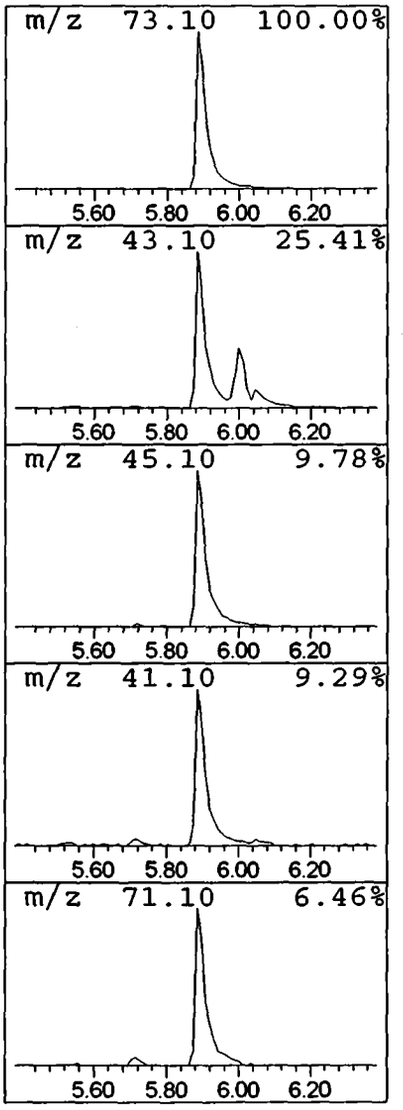
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.53 ug/L	2136520	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9





Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

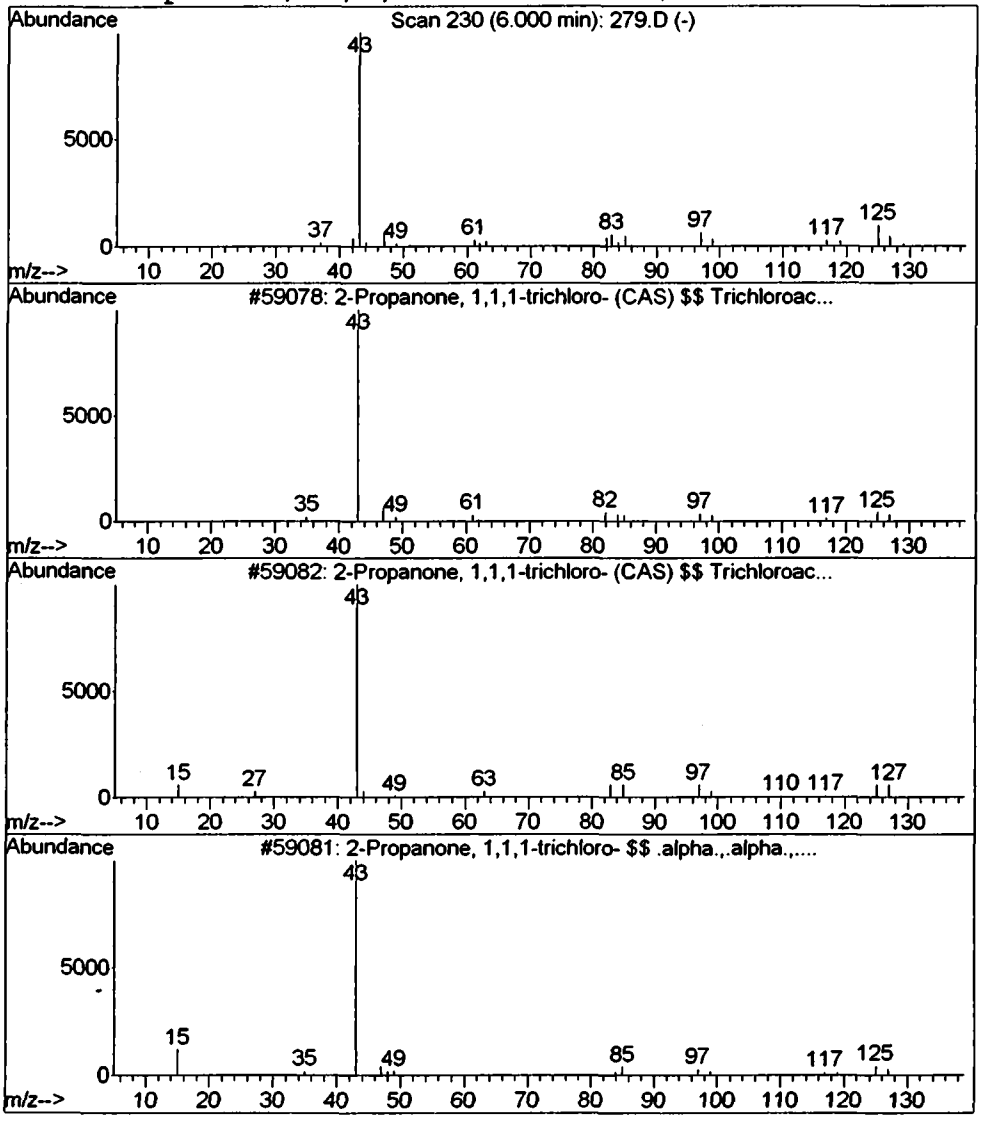
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

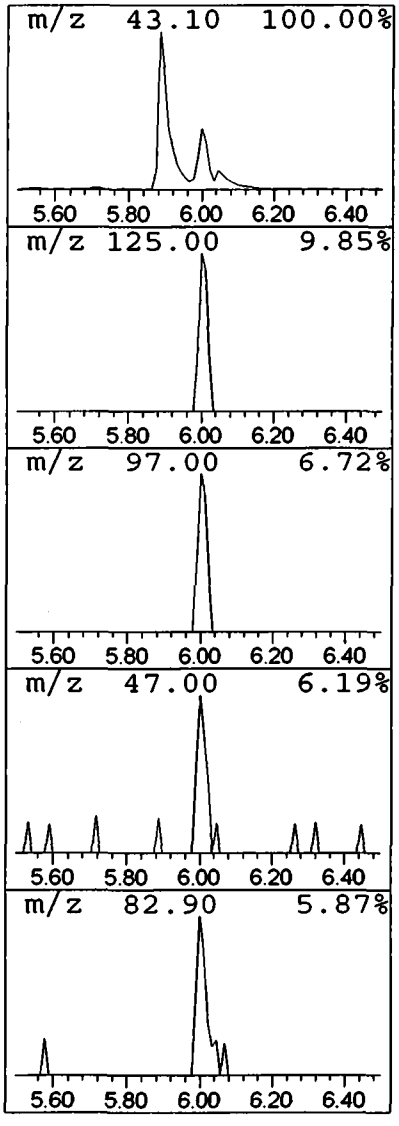
****

Peak Number 6 2-Propanone, 1,1,1-trichlor... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.37 ug/L	174362	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	64
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	59
3	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	45
4	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	38





Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

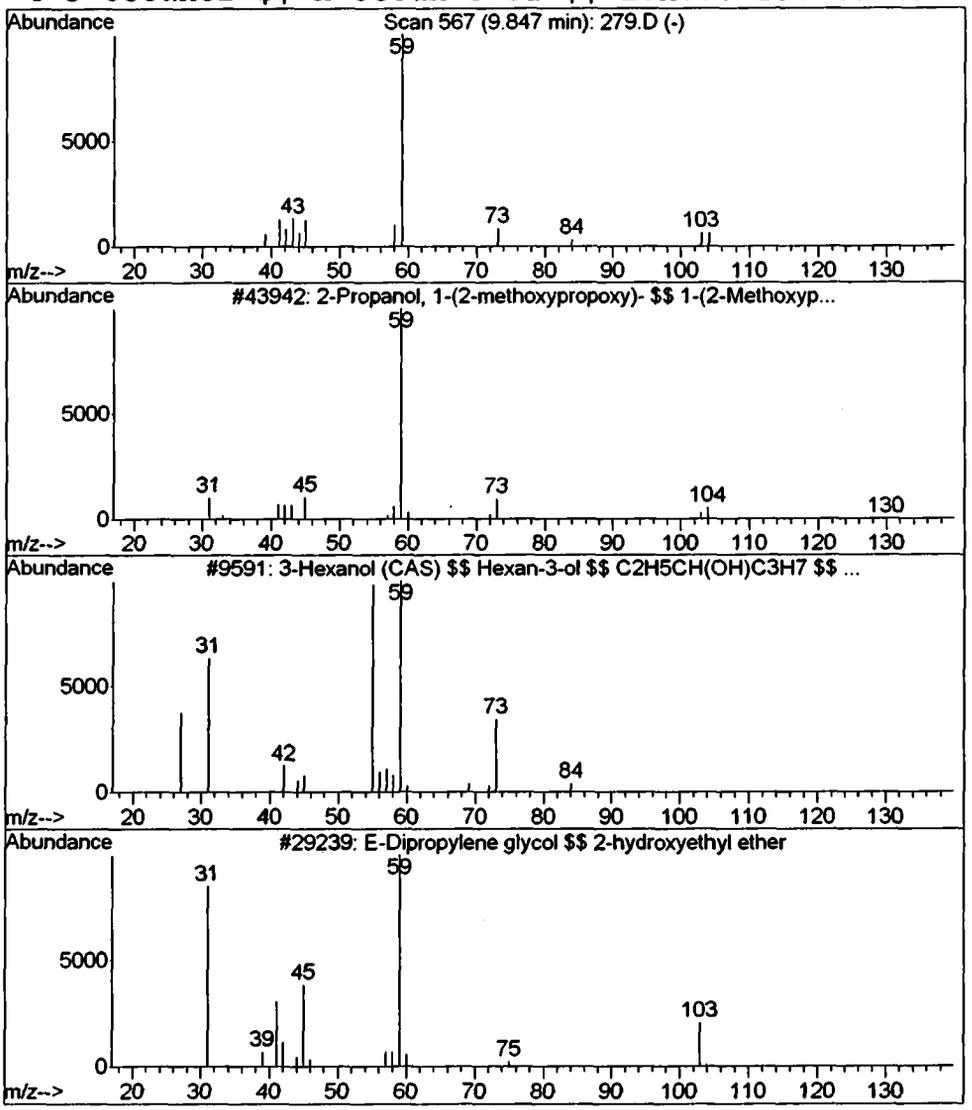
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

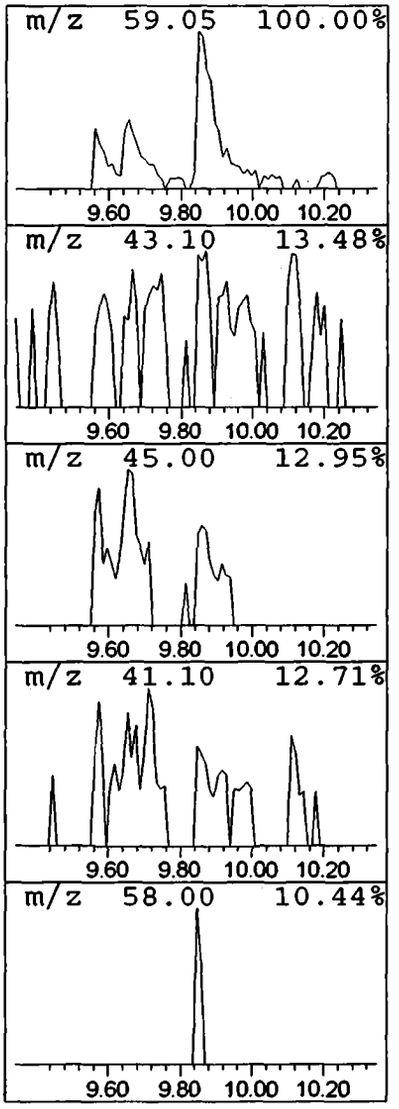
****

Peak Number 7 2-Propanol, 1-(2-methoxypro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.13 ug/L	61016	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	64
2	3-Hexanol (CAS) $$ Hexan-3-ol $$...	102	C6H14O	000623-37-0	9
3	E-Dipropylene glycol $$ 2-hydrox...	134	C6H14O3	000000-00-0	9
4	3-Octanol $$ n-Octan-3-ol $$ Eth...	130	C8H18O	000589-98-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

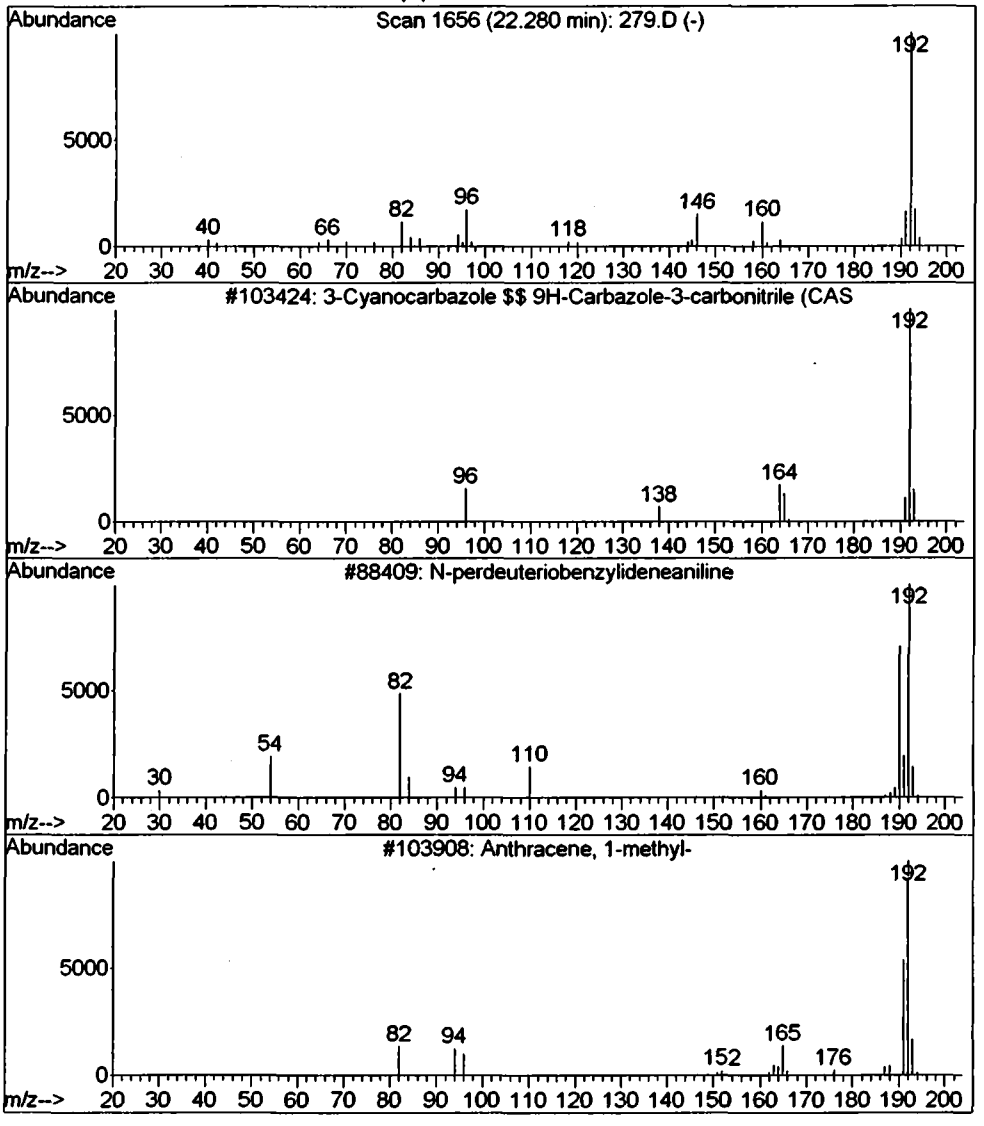
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

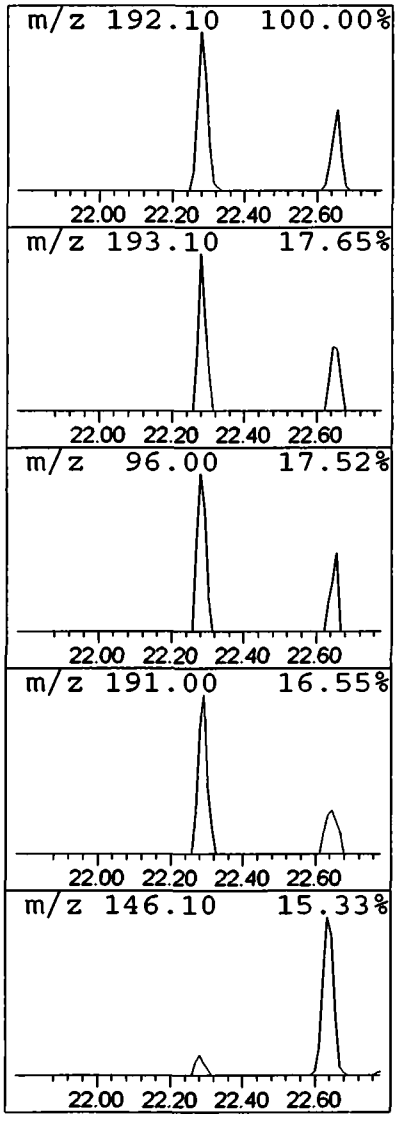
****

Peak Number 8 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	115453	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
2	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN09\279.D Vial: 4
Acq On : 9 Jan 2002 8:40 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

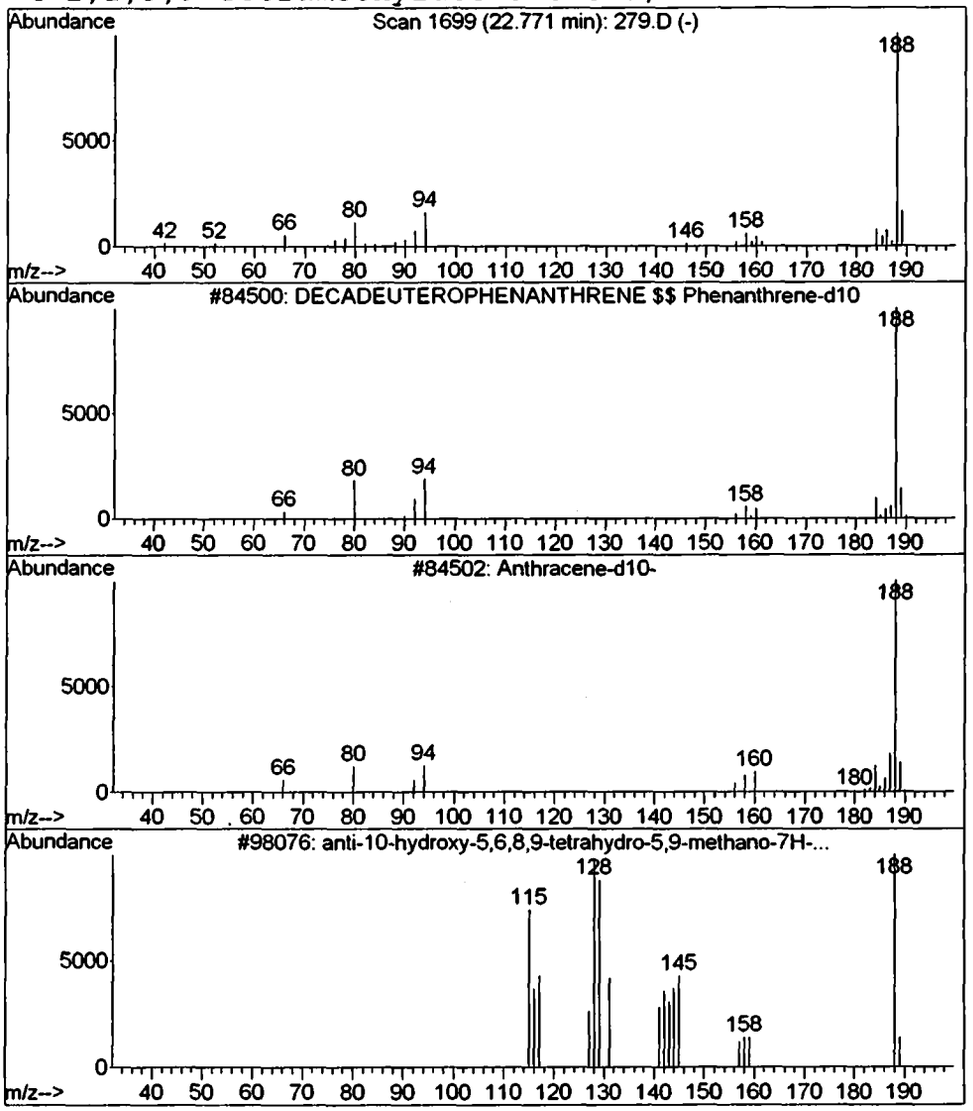
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

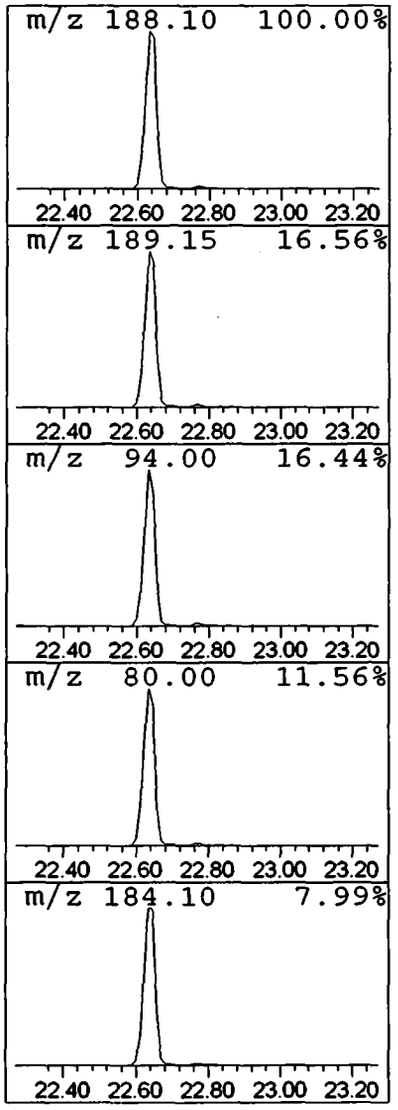
****

Peak Number 9 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.28 ug/L	226799	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	90
2	Anthracene-d10-	188	C14D10	001719-06-8	80
3	anti-10-hydroxy-5,6,8,9-tetrahyd...	188	C12H12O2	055139-53-2	53
4	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	50





Tentatively tuned

perator ID: Date Acquired: 9 Jan 2002 8:40 pm
ata File: C:\MSDCHEM\1\5973N\02JAN09\279.D
ame: 508 scan ext 1/7
isc: January 9, 2002
ethod: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
itle: 508 scan method
ibrary 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	84416	1	9.72	9422700	20.0
1-O-Methyl-d-arab...	4.24	0.1	ug/L	56341	1	9.72	9422700	20.0
2-Buten-1-ol, 2-m...	4.63	0.1	ug/L	69546	1	9.72	9422700	20.0
2-Butenal, 3-meth...	4.84	0.3	ug/L	130536	1	9.72	9422700	20.0
3-(CYCLOHEX-3'-EN...	5.89	4.5	ug/L	2136520	1	9.72	9422700	20.0
2-Propanone, 1,1,...	6.00	0.4	ug/L	174362	1	9.72	9422700	20.0
2-Propanol, 1-(2-...	9.85	0.1	ug/L	61016	1	9.72	9422700	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	115453	4	22.63	16007200	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	226799	4	22.63	16007200	20.0

Comments for Sample AE00279 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:21:57

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.