User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 11:05:35

Sample: AE00465
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/18/02 11:05 Ended: 1/18/02 11:05 Analyst: DLV
Page: 1

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

Comments for Sample AE00465 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-18-2002 Time: 11:05:47

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN10\00465.D Vial: 3
Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 11 10:18:51 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

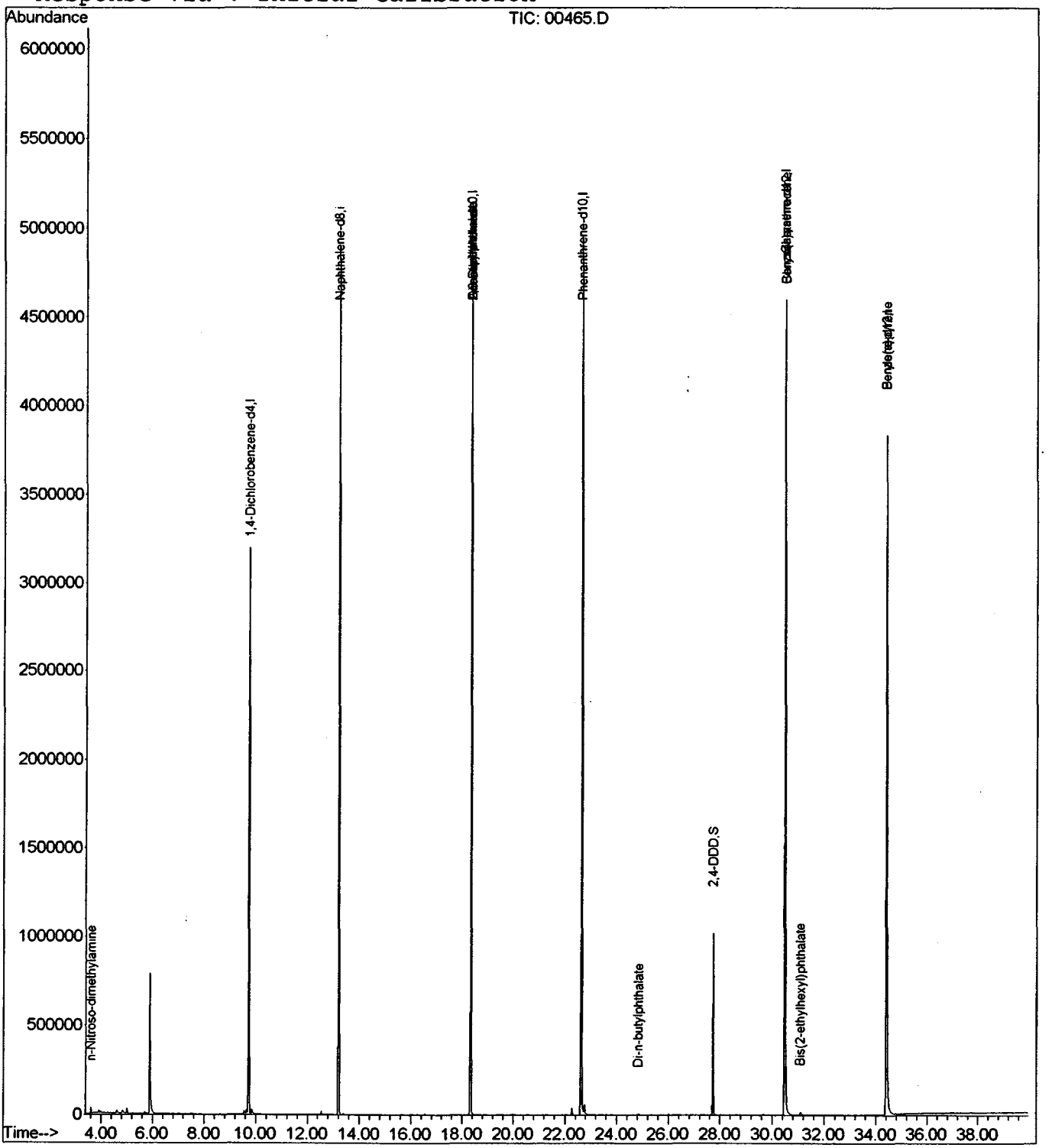
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1111230	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4763242	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2514273	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4191080	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3833373	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2829326	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	365579	5.52	ug/L	0.00
Spiked Amount 5.000			Recovery =	110.40%		
Target Compounds						Qvalue
2) n-Nitroso-dimethylamine	3.60	74	12340	0.26	ug/L #	17
20) Dimethylphthalate	18.34	163	401822	2.42	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	319134	9.85	ug/L #	17
35) Di-n-butylphthalate	24.85	149	12255	0.05	ug/L	97
41) Benzo(a)anthracene	30.50	228	8274	0.04	ug/L #	59
42) Bis(2-ethylhexyl)phthalate	31.11	149	19185	0.65	ug/L	95
43) Chrysene	30.50	228	8274	0.04	ug/L #	57
48) Benzo(a)pyrene	34.42	252	9464	0.05	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00465.D SCAN508.M Fri Jan 11 10:18:52 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN10\00465.D Vial: 3
Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 11 10:18 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00465.D Vial: 3
Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 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

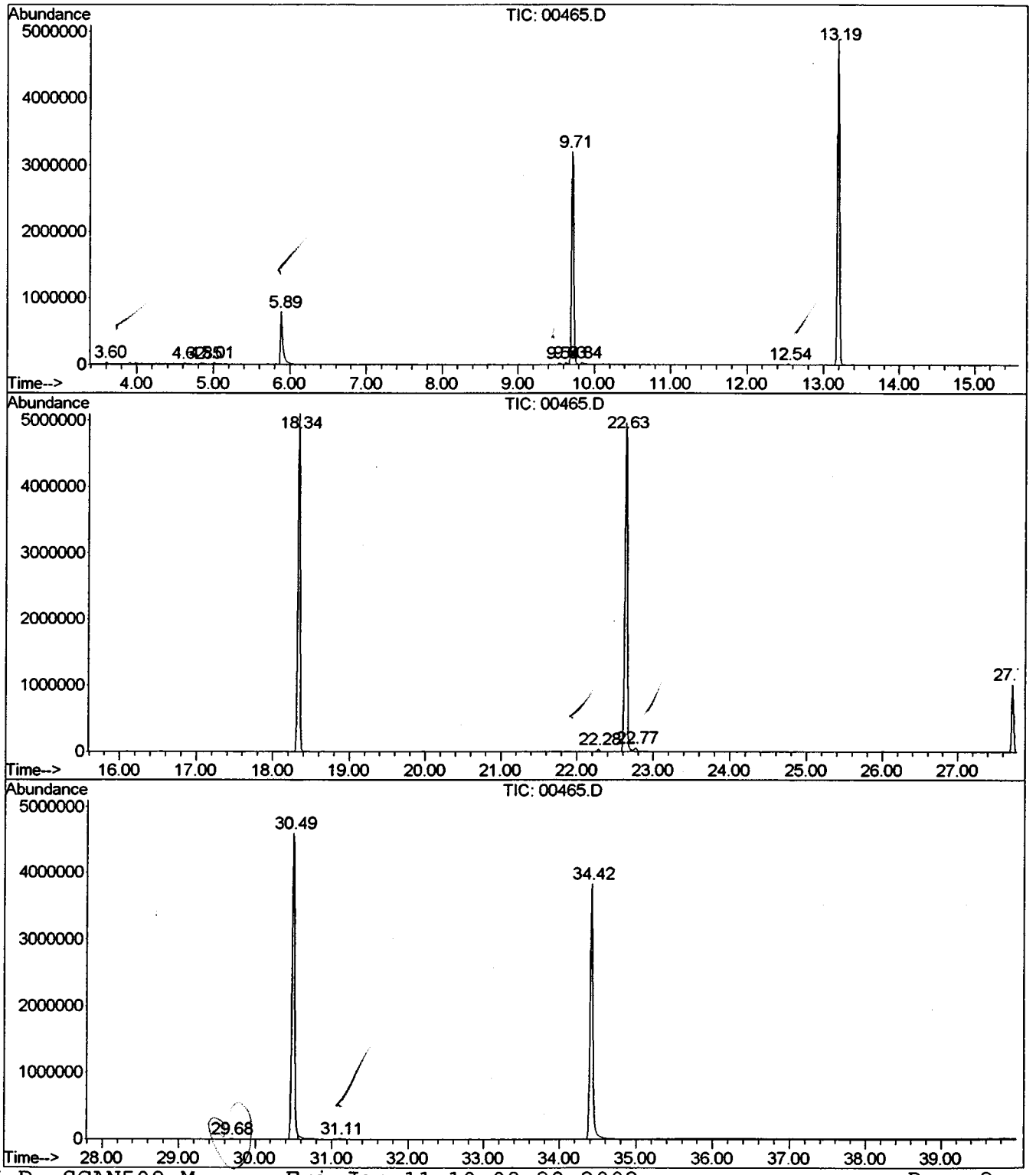
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	15	20	25	rBV	35472	59196	0.53%	0.096%
2	4.618	107	109	117	rVB2	15096	32725	0.29%	0.053%
3	4.846	123	129	141	rBV3	17846	61208	0.55%	0.099%
4	5.006	141	143	151	rVB	28842	52099	0.47%	0.084%
5	5.885	217	220	243	rBV	788067	1646849	14.74%	2.668%
6	9.539	539	540	545	rVV	20840	49021	0.44%	0.079%
7	9.630	545	548	551	rVV	27262	57892	0.52%	0.094%
8	9.710	551	555	561	rVV	3198876	6328579	56.66%	10.253%
9	9.836	561	566	581	rVB	27781	102790	0.92%	0.167%
10	12.541	799	803	809	rVB	19608	31040	0.28%	0.050%
11	13.192	855	860	865	rBV	4887647	9122290	81.67%	14.779%
12	18.341	1305	1311	1315	rBV	5101840	10176468	91.11%	16.487%
13	22.280	1653	1656	1659	rVV	39812	70443	0.63%	0.114%
14	22.634	1681	1687	1693	rBV2	4955470	11080643	99.21%	17.952%
15	22.771	1695	1699	1713	rVB	60601	176627	1.58%	0.286%
16	27.726	2129	2133	2139	rVV	1020453	1789899	16.03%	2.900%
17	29.678	2299	2304	2311	rVB3	9070	23851	0.21%	0.039%
18	30.489	2369	2375	2381	rBV	4600337	11169052	100.00%	18.095%
19	31.105	2421	2429	2441	rVB4	16545	76053	0.68%	0.123%
20	34.416	2713	2719	2753	rBV	3831296	9617303	86.11%	15.581%

Sum of corrected areas: 61724028

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN10\00465.D
Operator :
Acquired : 10 Jan 2002 4:28 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/8
Misc Info : January 10, 2002
Vial Number: 3
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00465.D Vial: 3
Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

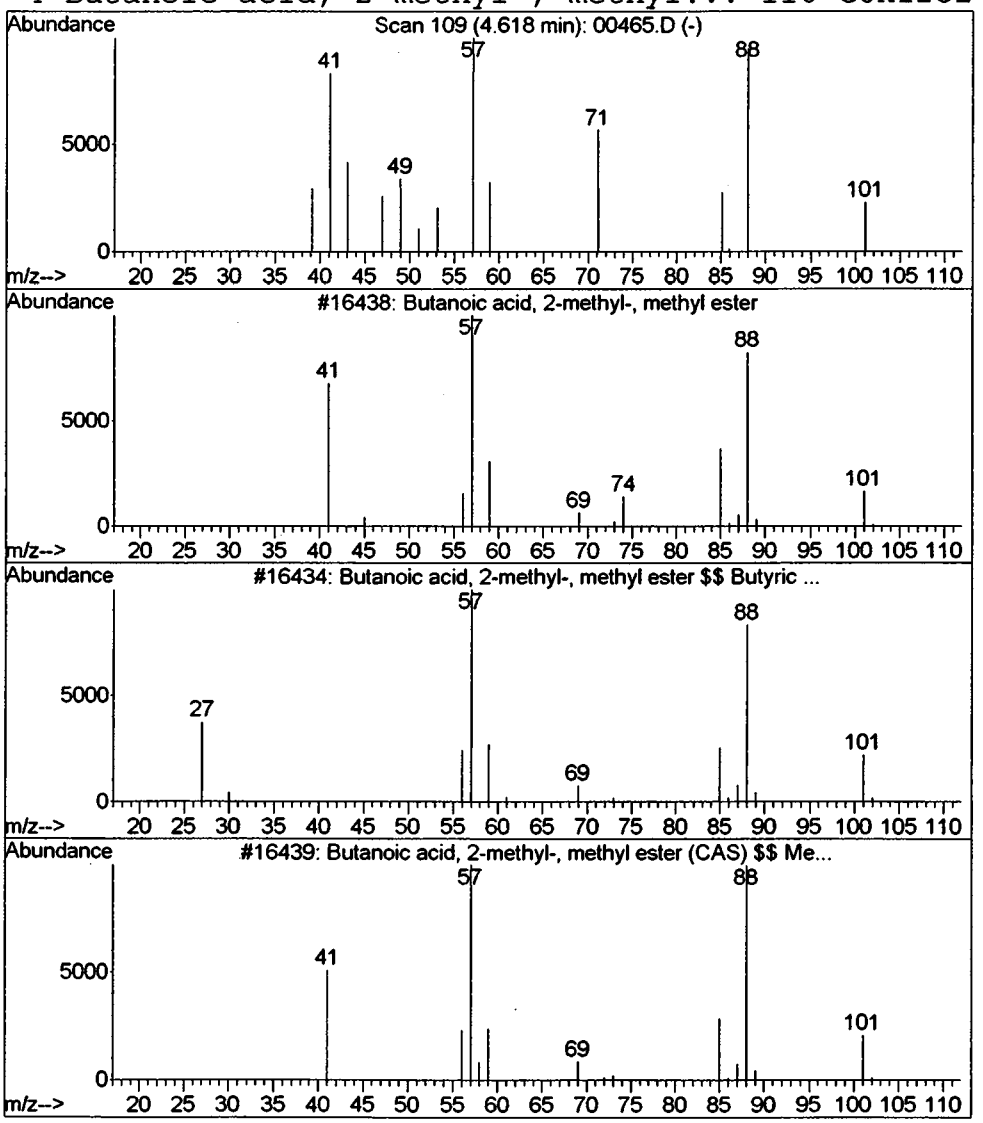
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

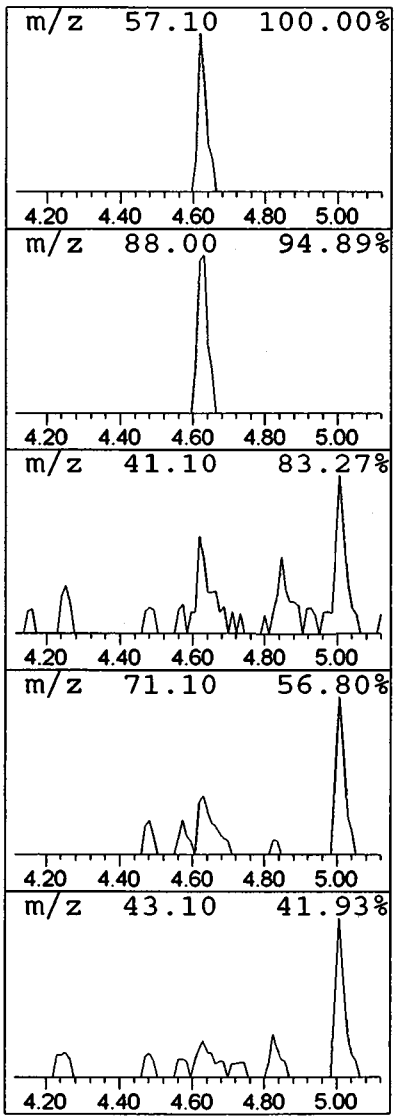
****

Peak Number 1 Butanoic acid, 2-methyl-, m... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.10 ug/L	32725	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	38
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	38
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	25
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	25





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00465.D Vial: 3
Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 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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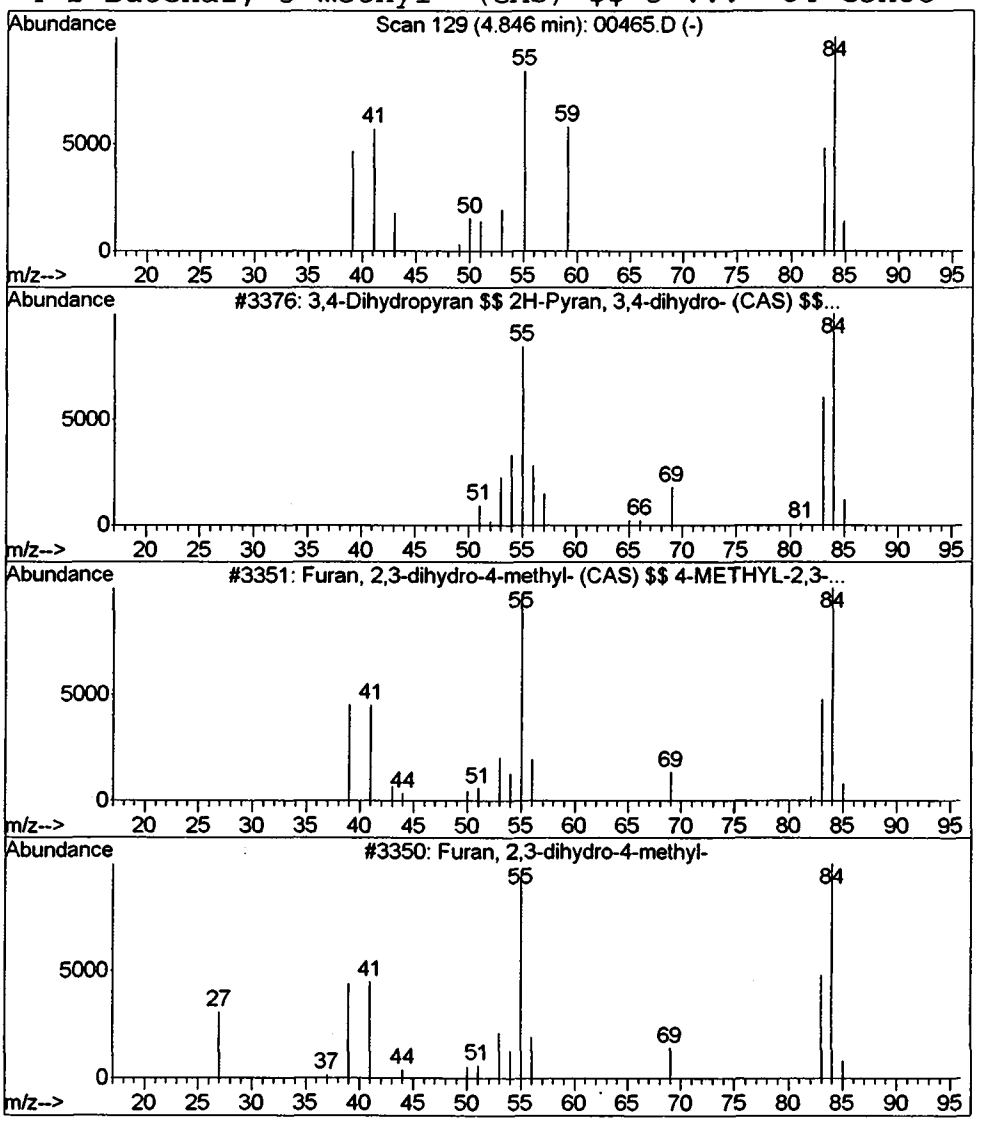
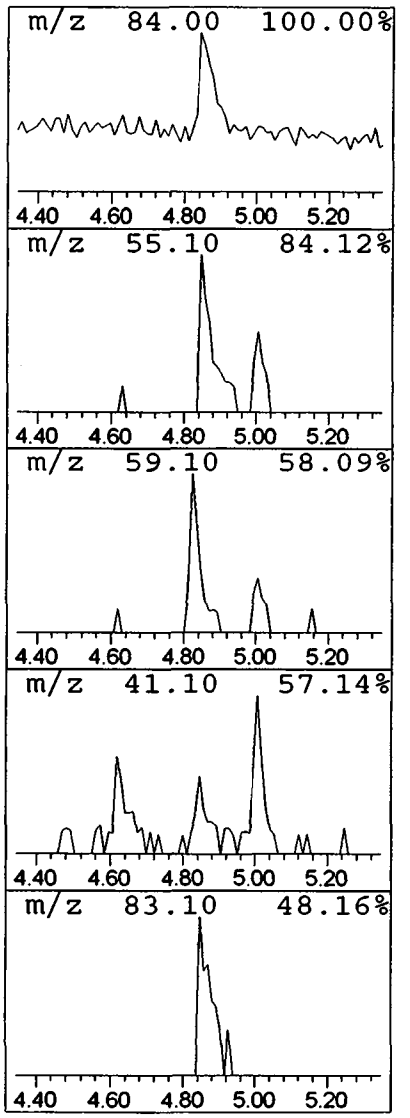
Peak Number 2 3,4-Dihydropyran $$ 2H-Pyra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.19 ug/L	61208	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	72
2	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	72
3	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	72
4	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	64





Library Search Compound Report

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Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

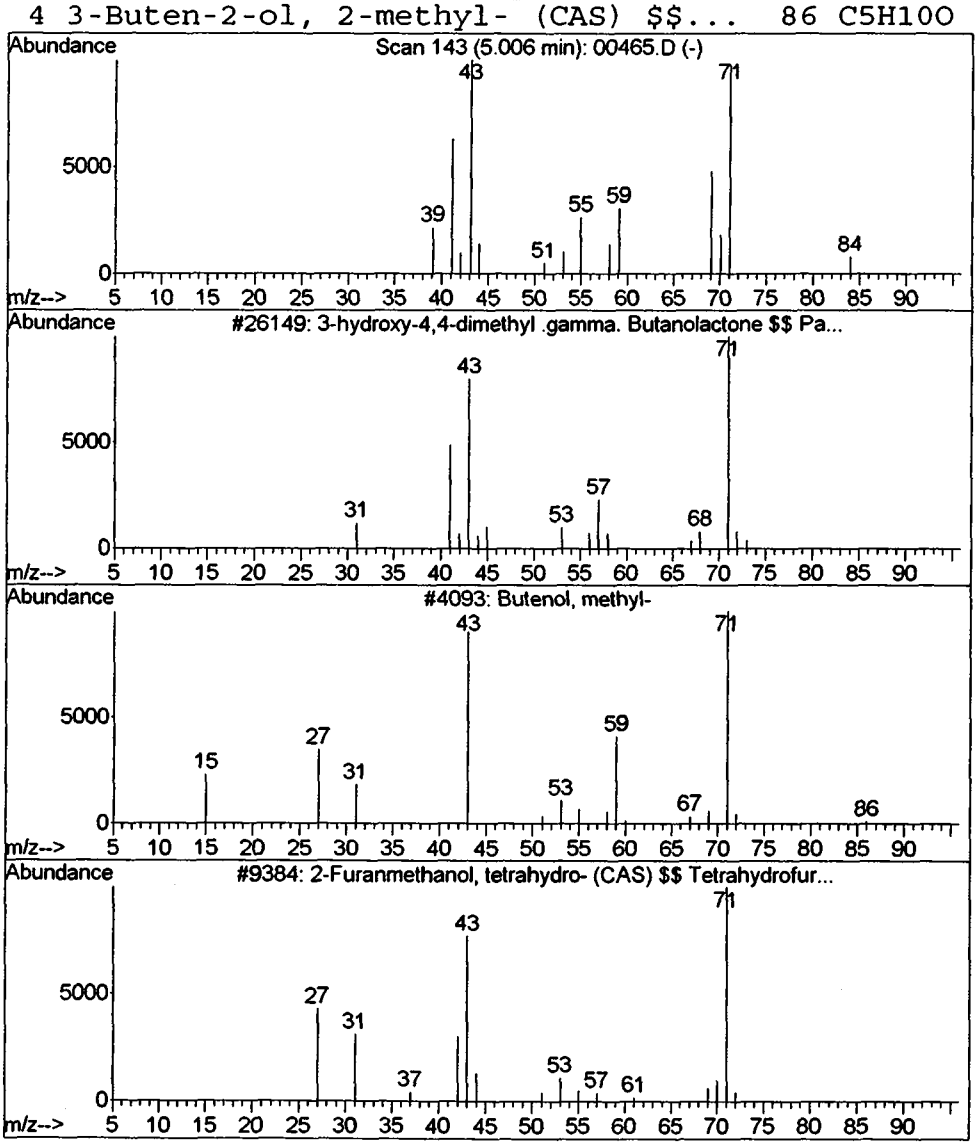
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

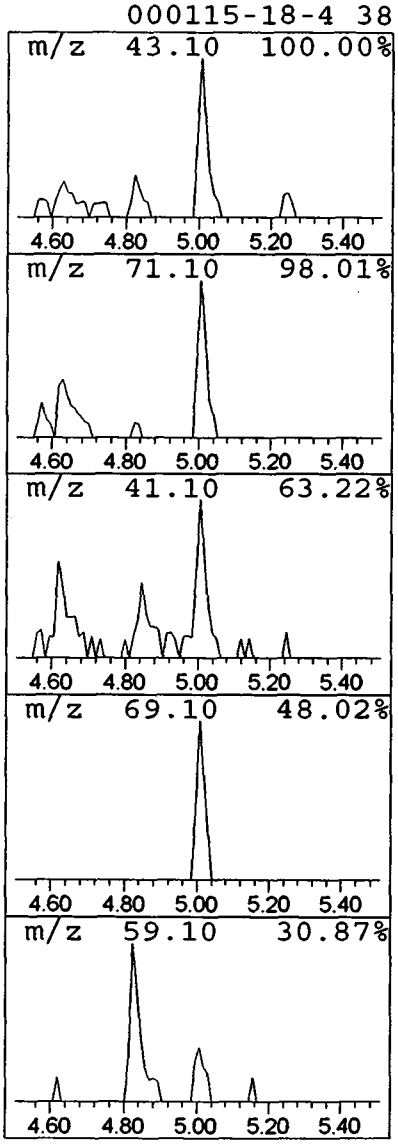
****

Peak Number 3 3-hydroxy-4,4-dimethyl .gam... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.16 ug/L	52099	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	45
2	Butenol, methyl-	86	C5H10O	060766-00-9	39
3	2-Furanmethanol, tetrahydro- (CA...	102	C5H10O2	000097-99-4	38
4	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	38





Library Search Compound Report

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Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

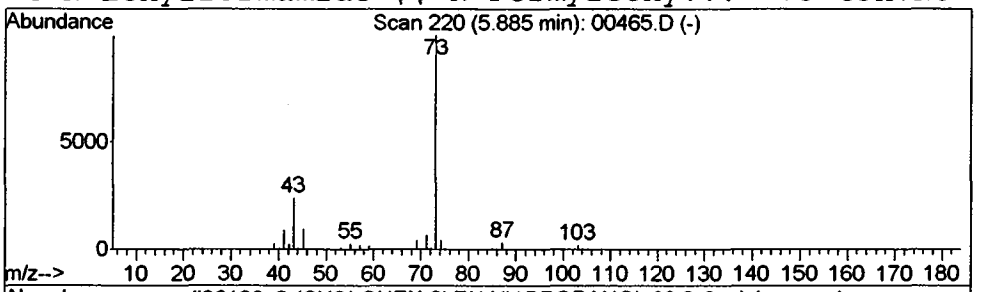
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

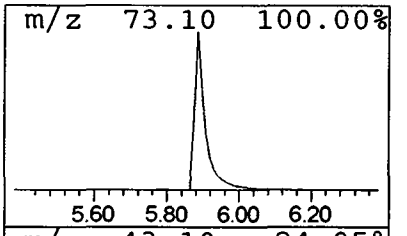
****

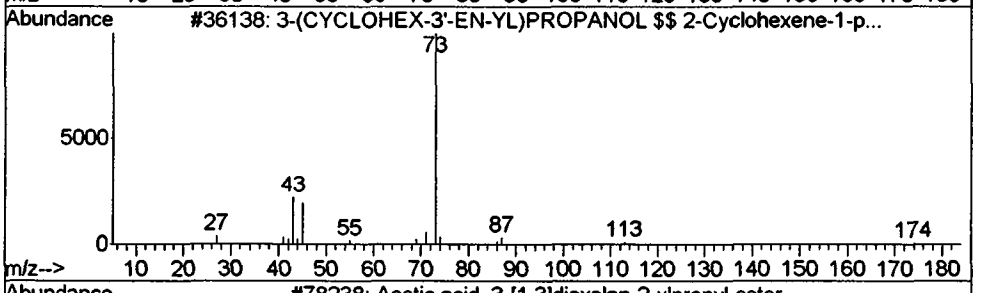
Peak Number 4 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

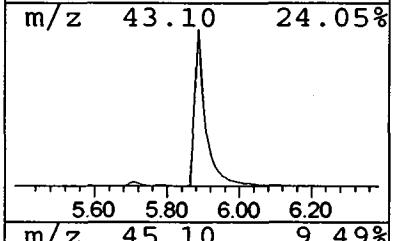
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.20 ug/L	1646850	1,4-Dichlorobenzene-d4	9.72

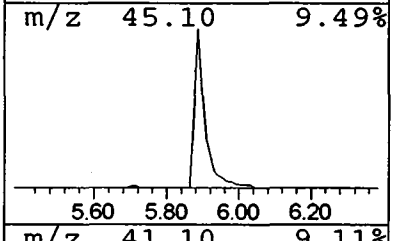
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9

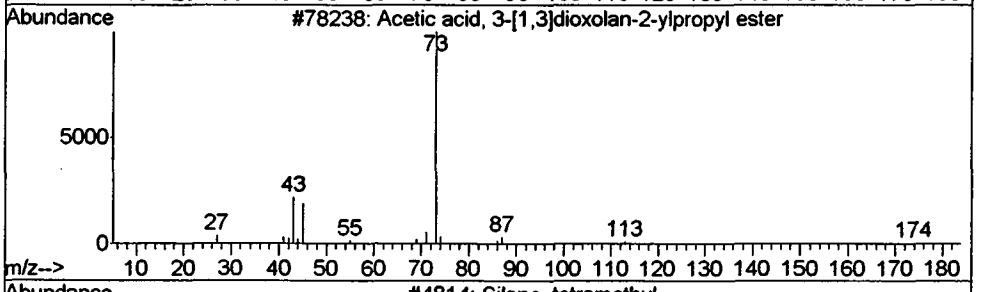


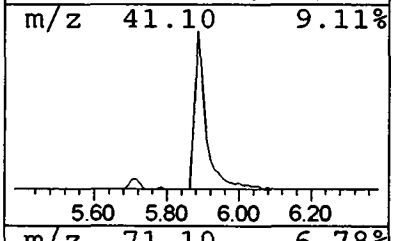


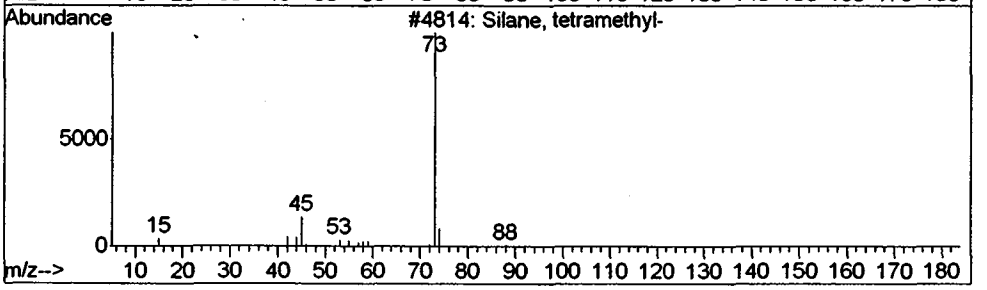


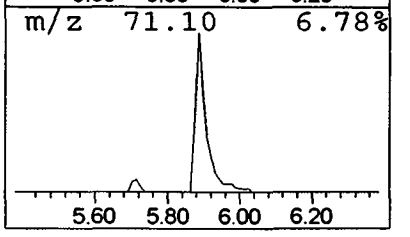












Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00465.D Vial: 3
Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

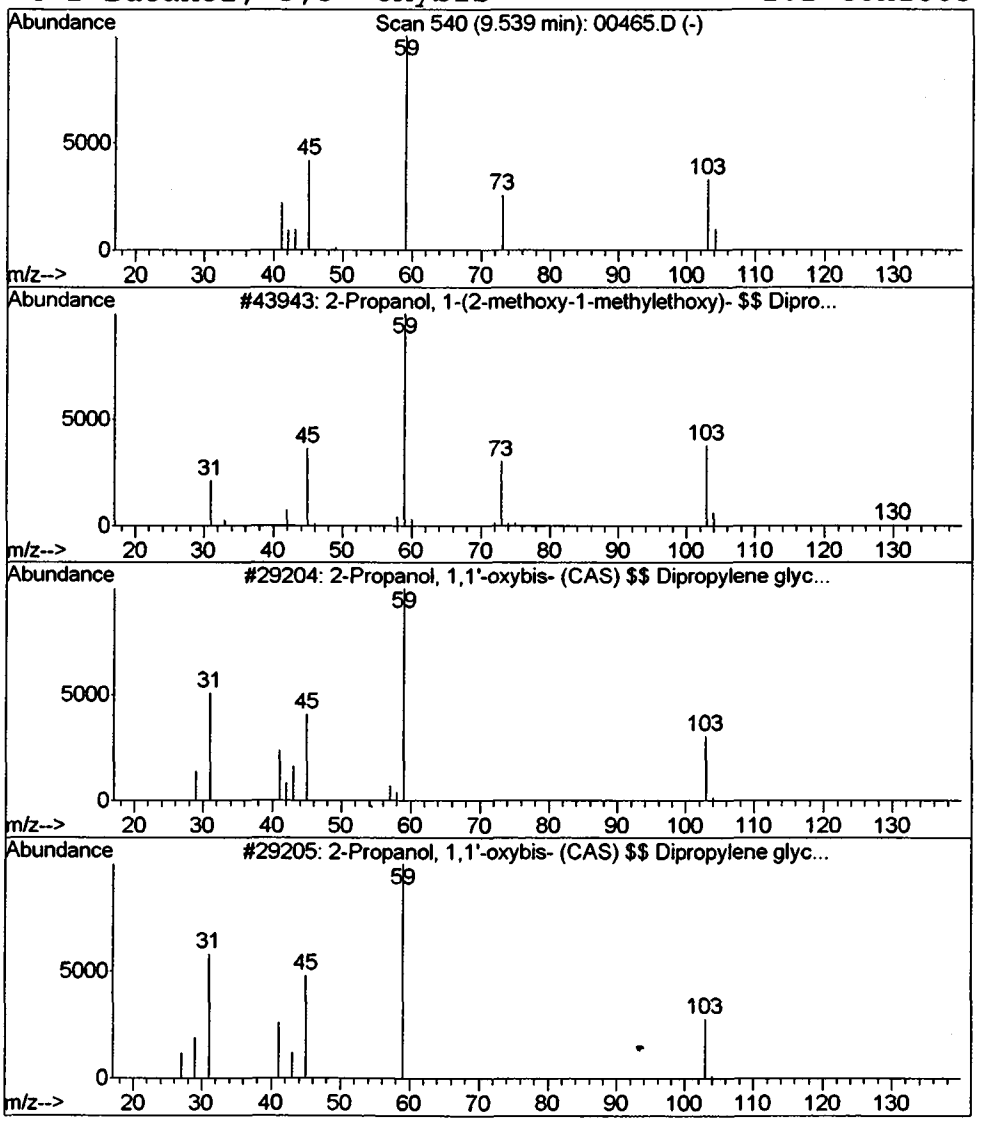
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

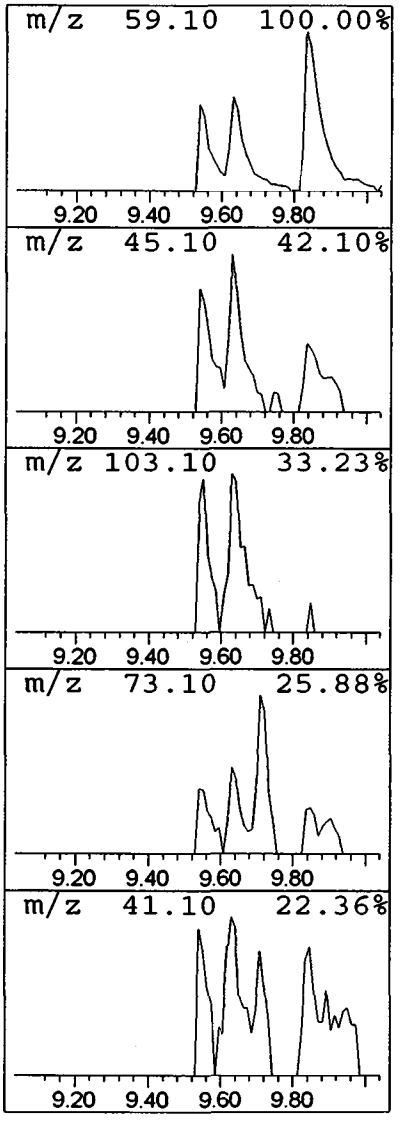
****

Peak Number 5 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	0.15 ug/L	49021	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	83
2	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	39
3	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	39
4	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	9





Library Search Compound Report

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Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

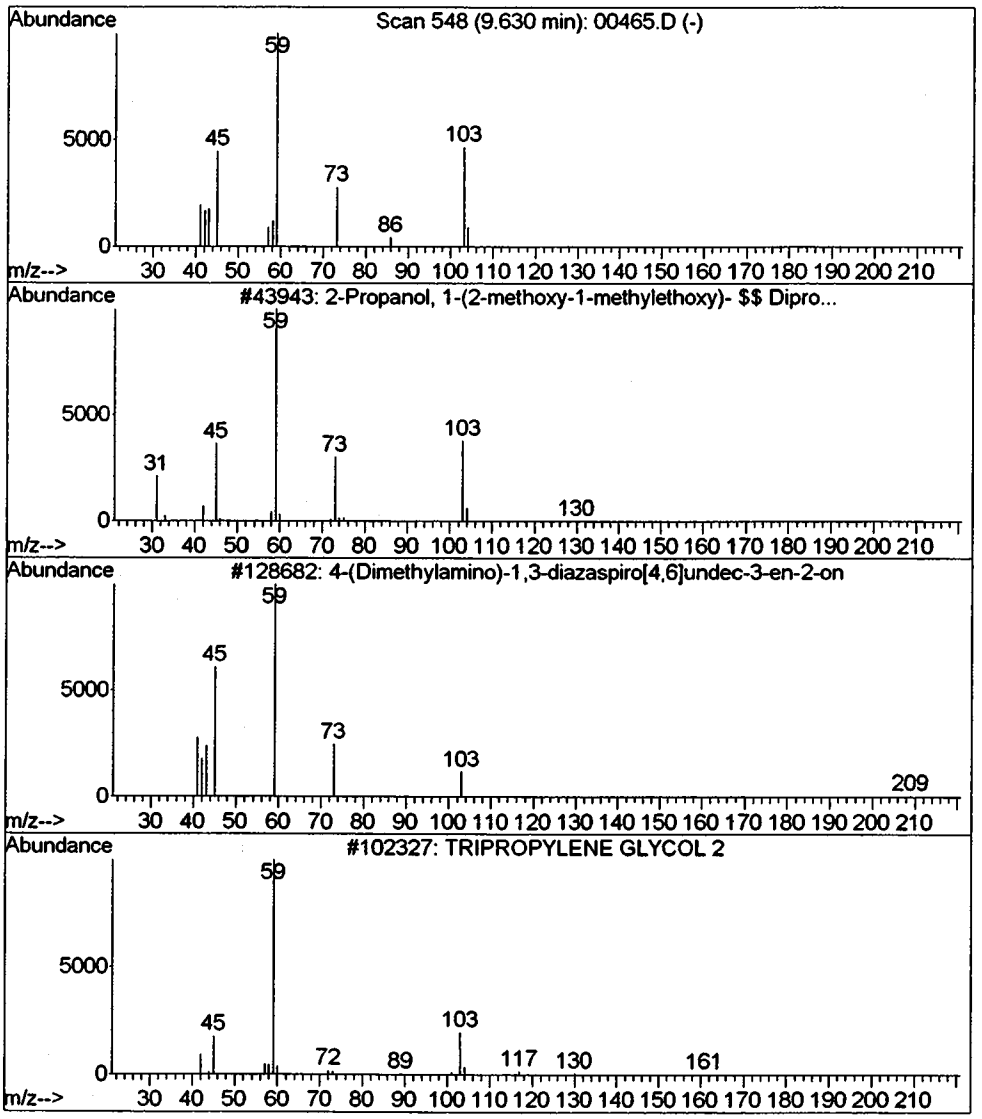
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

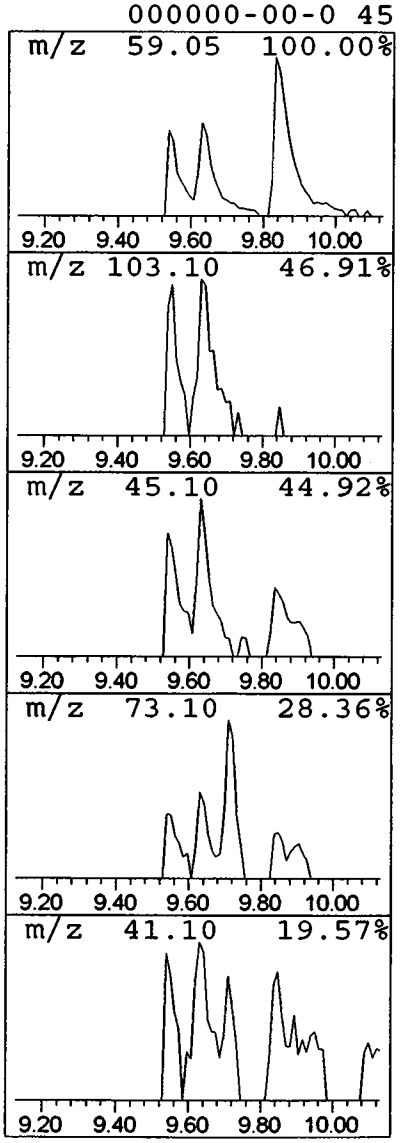
****

Peak Number 6 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	0.18 ug/L	57892	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
2	4-(Dimethylamino)-1,3-diazaspiro...	209	C11H19N3O	000000-00-0	45
3	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	45
4	TRIPROPYLENE GLYCOL 1	192	C9H20O4	000000-00-0	45





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MS Integration Params: LSCINT.P

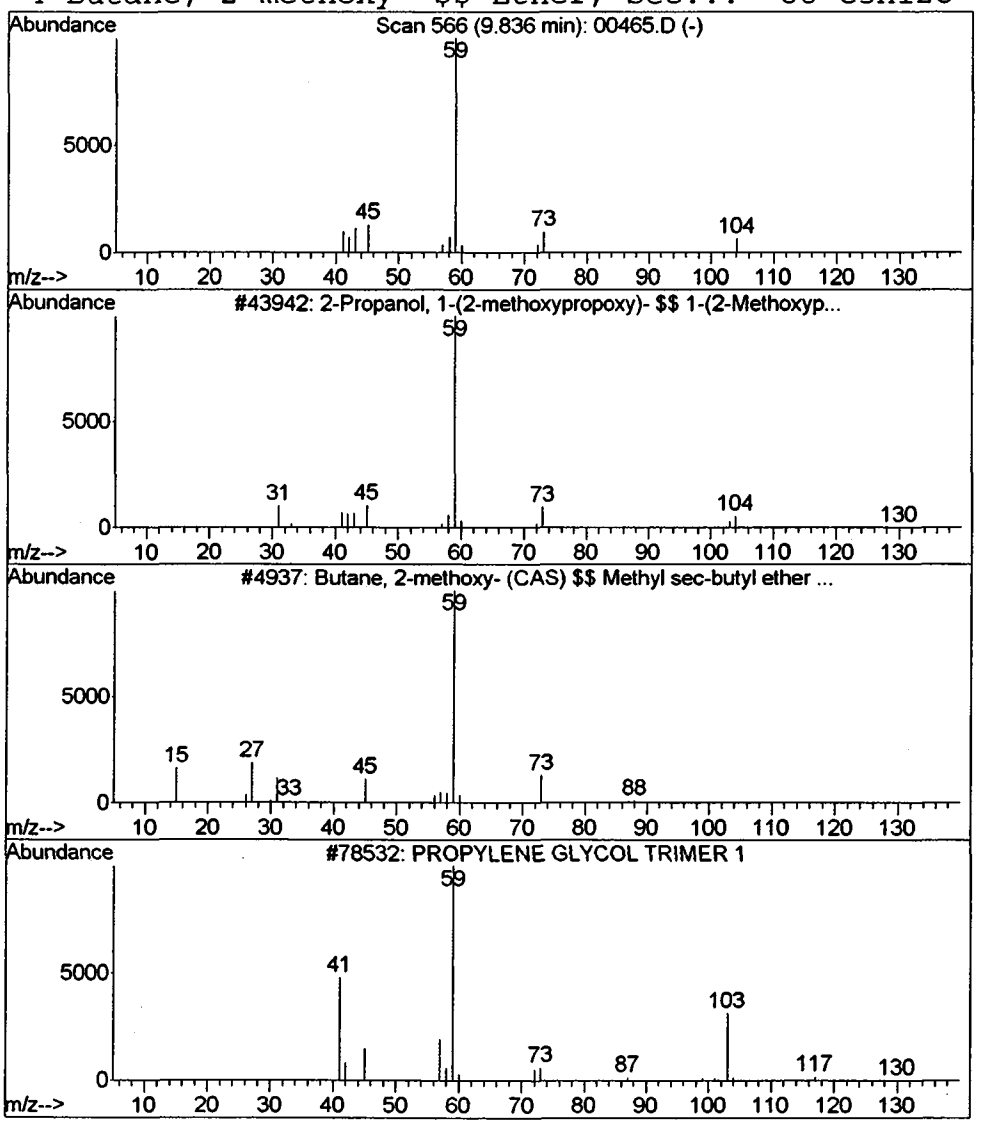
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

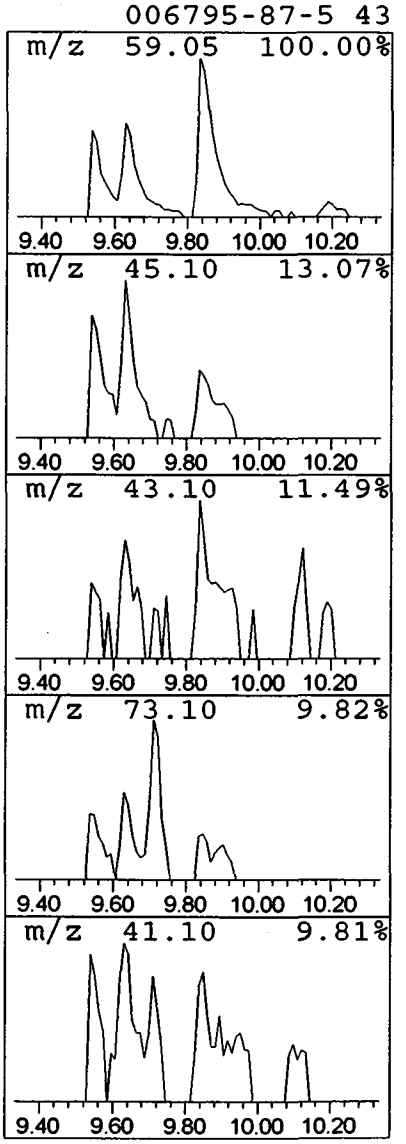
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	0.32 ug/L	102790	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	83
2	Butane, 2-methoxy- (CAS) $$ Meth...	88	C5H12O	006795-87-5	64
3	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	43
4	Butane, 2-methoxy- $$ Ether, sec...	88	C5H12O	006795-87-5	43





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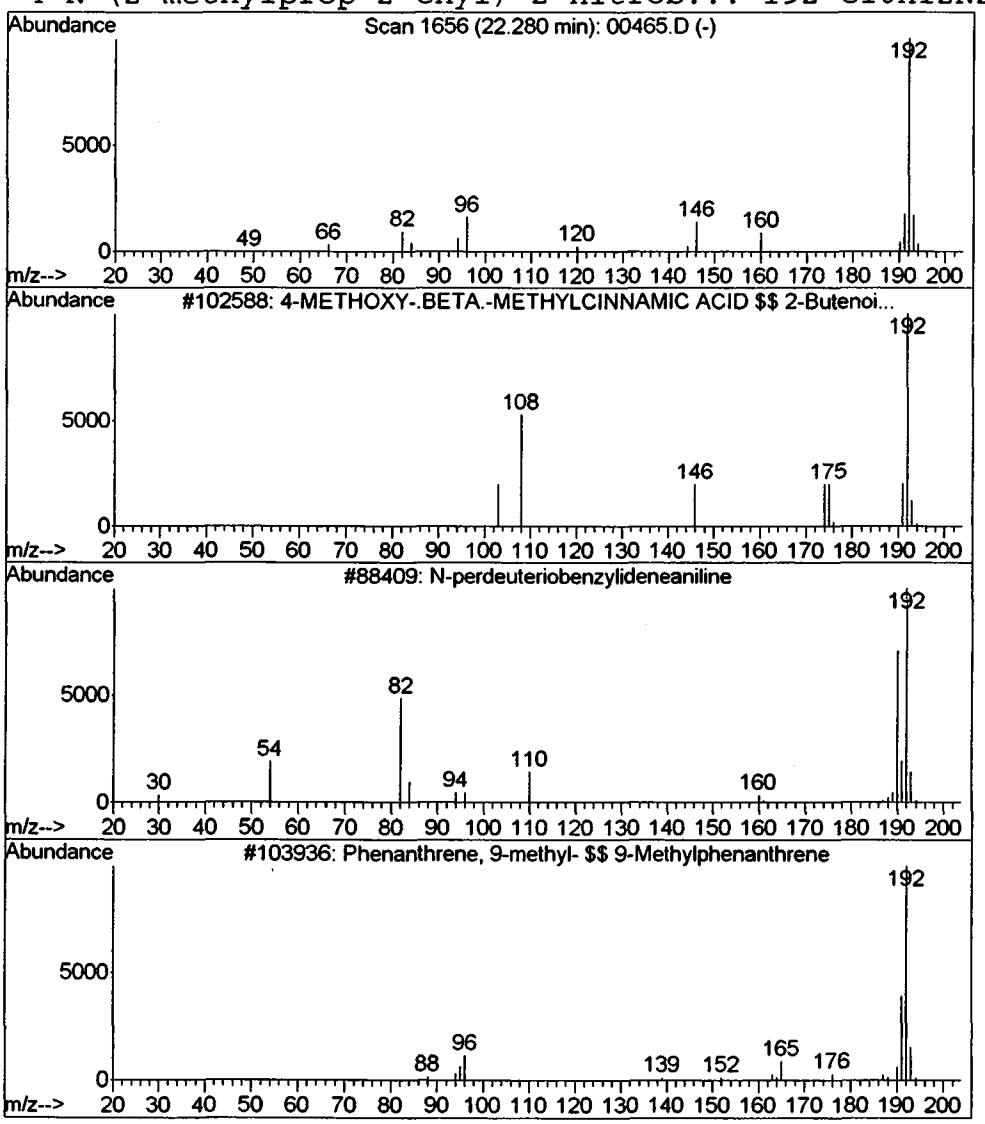
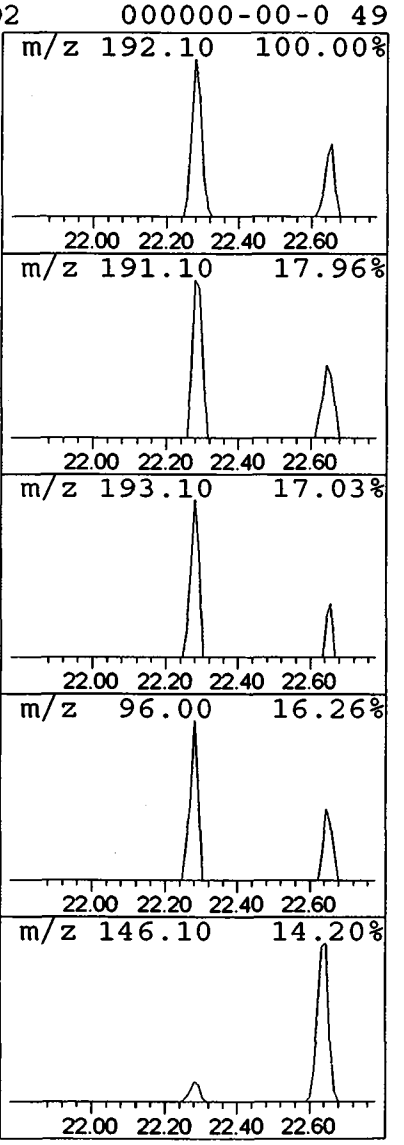
****

Peak Number 8 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	70443	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
3	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00465.D Vial: 3
Acq On : 10 Jan 2002 4:28 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 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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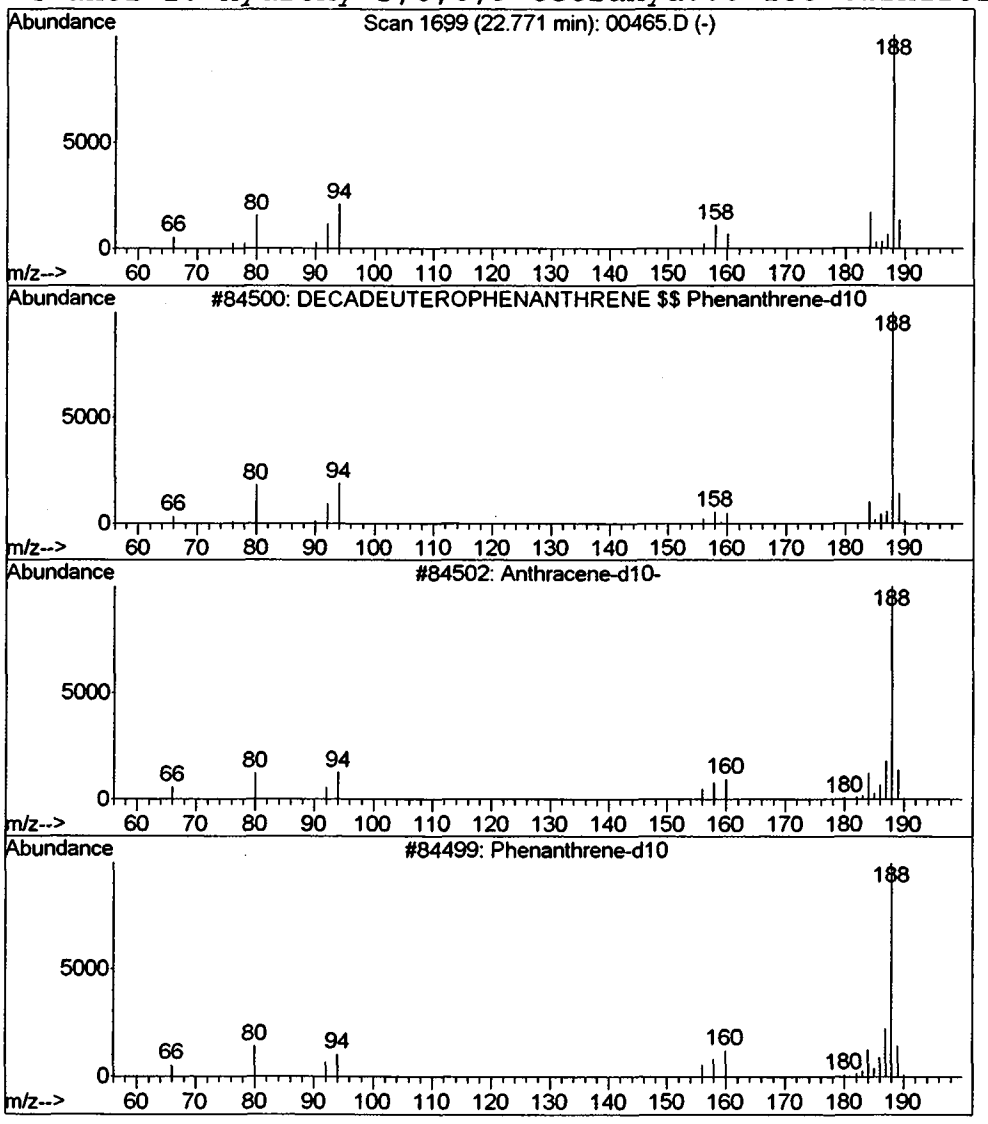
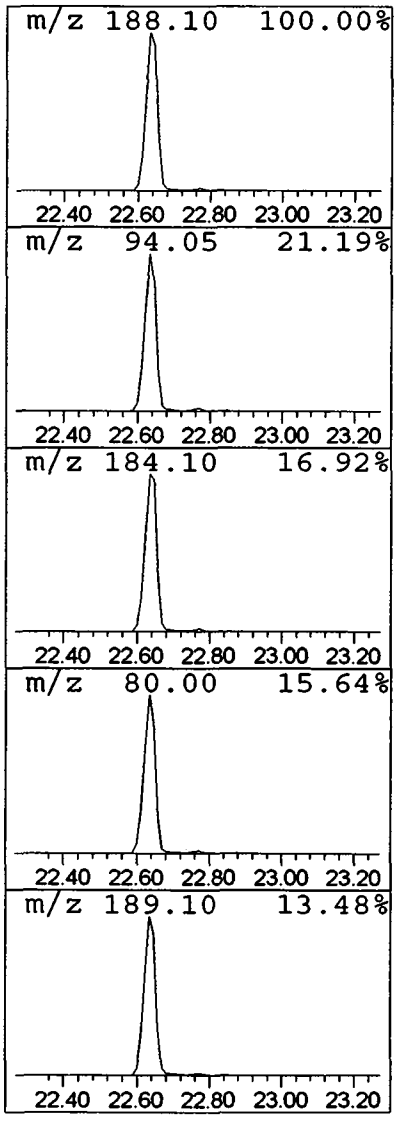
Peak Number 9 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.32 ug/L	176627	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	78
3	Phenanthrene-d10	188	C14D10	001517-22-2	72
4	anti-10-hydroxy-5,6,8,9-tetrahyd...	188	C12H12O2	055139-53-2	47





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 10 Jan 2002 4:28 pm
Data File: C:\MSDCHEM\1\5973N\02JAN10\00465.D
Name: 508 scan ext 1/8
Misc: January 10, 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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Butanoic acid, 2-...	4.62	0.1	ug/L	32725	1	9.72	6328580	20.0
3,4-Dihydropyran ...	4.85	0.2	ug/L	61208	1	9.72	6328580	20.0
3-hydroxy-4,4-dim...	5.01	0.2	ug/L	52099	1	9.72	6328580	20.0
3-(CYCLOHEX-3'-EN...	5.89	5.2	ug/L	1646850	1	9.72	6328580	20.0
2-Propanol, 1-(2-...	9.54	0.2	ug/L	49021	1	9.72	6328580	20.0
2-Propanol, 1-(2-...	9.63	0.2	ug/L	57892	1	9.72	6328580	20.0
2-Propanol, 1-(2-...	9.84	0.3	ug/L	102790	1	9.72	6328580	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	70443	4	22.63	11080600	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	176627	4	22.63	11080600	20.0