User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/24/2002 Time: 11:40:36

Sample: AE00464
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/24/02 11:37 Ended: 1/24/02 11:37 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		82		5.0

Comments for Sample AE00464 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-24-2002 Time: 11:40:39

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 31 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 14 10:32:36 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 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	1121071	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4736210	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2387328	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	3926412	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3522972	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2568667	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	255993	4.12	ug/L	0.00
Spiked Amount 5.000			Recovery = 82.40%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.61	74	9030	0.19	ug/L #	11
20) Dimethylphthalate	18.34	163	387439	2.46	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	305252	9.93	ug/L #	17
35) Di-n-butylphthalate	24.85	149	53216	0.21	ug/L	99
40) Butylbenzylphthalate	29.24	149	13823	0.11	ug/L	92
41) Benzo(a)anthracene	30.47	228	39437	0.19	ug/L	99
42) Bis(2-ethylhexyl)phthalate	31.11	149	29472	0.72	ug/L	94
43) Chrysene	30.56	228	56140	0.27	ug/L	95
45) Di-n-octylphthalate	32.82	149	19768	0.08	ug/L #	74
46) Benzo(b)fluoranthene	33.45	252	21034	0.10	ug/L	88
47) Benzo(k)fluoranthene	33.51	252	37284	0.19	ug/L	95
48) Benzo(a)pyrene	34.25	252	6753	0.04	ug/L #	56
49) Indeno(1,2,3-cd)pyrene	37.00	276	7351	0.05	ug/L #	82
50) Dibenz(a,h)anthracene	37.10	278	8843	0.07	ug/L #	73
51) Benzo(g,h,i)perylene	37.70	276	19751	0.15	ug/L	93

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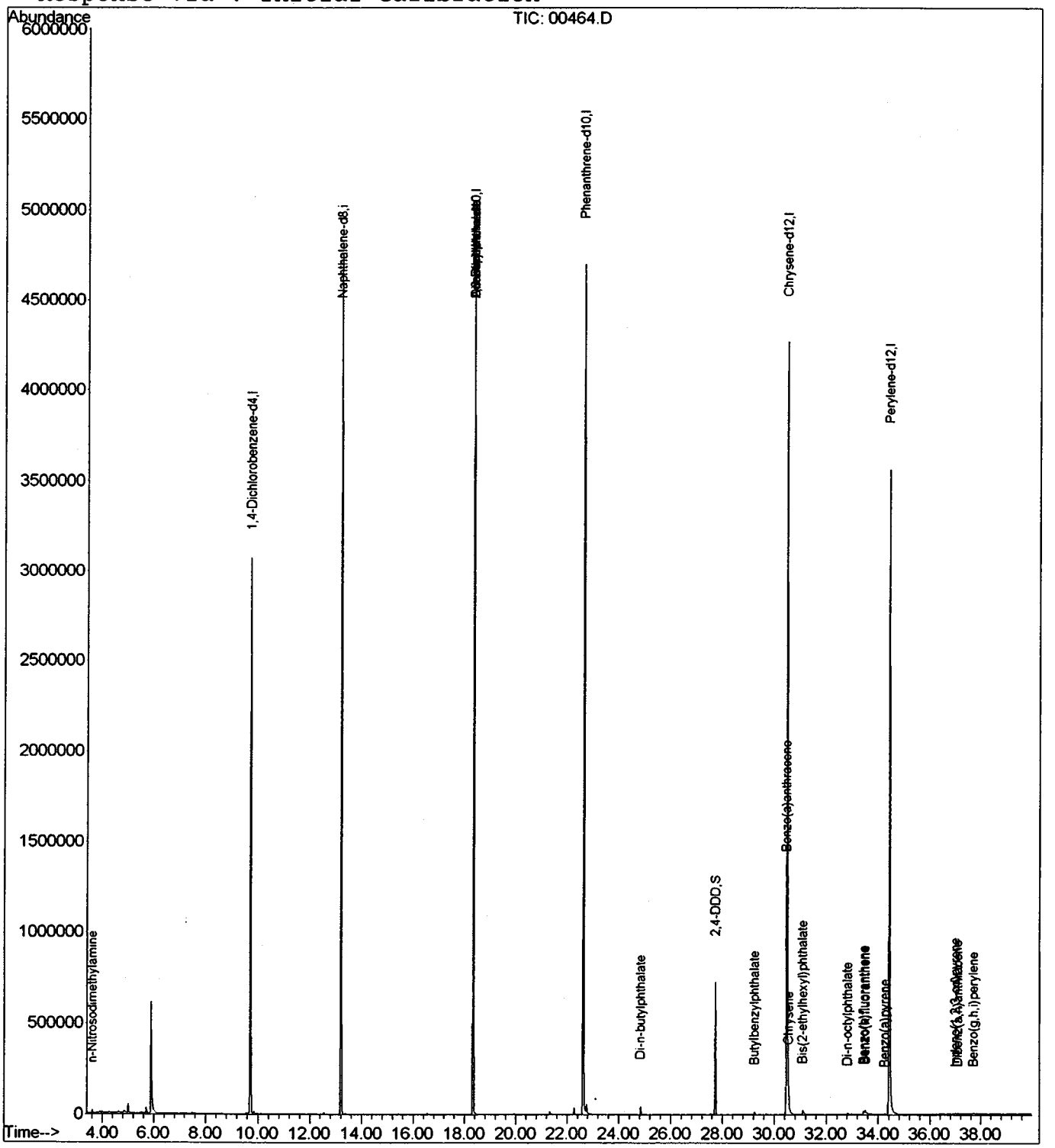
(#) = qualifier out of range (m) = manual integration
00464.D SCAN508.M Mon Jan 14 10:32:37 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 14 10:32 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 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

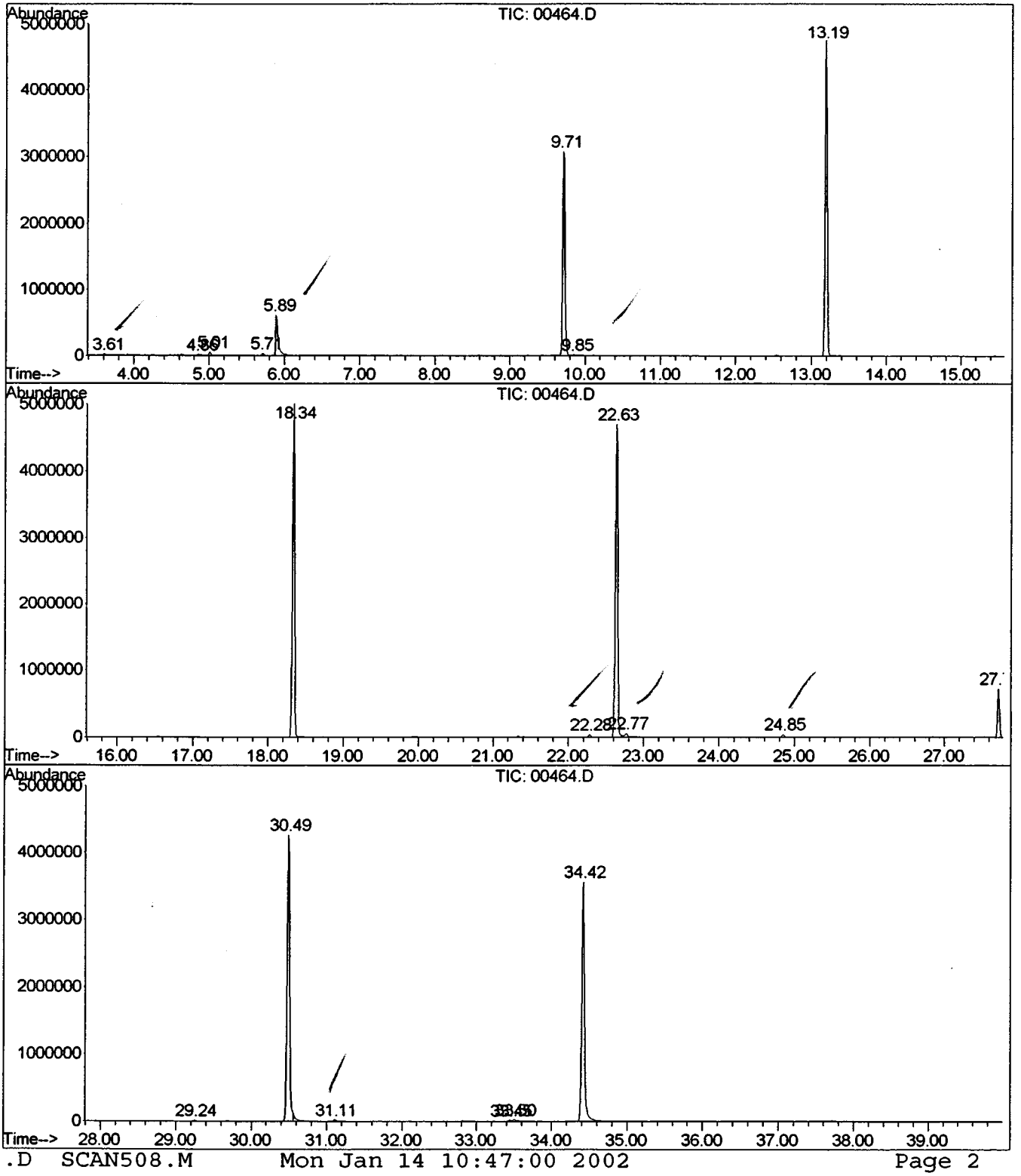
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.614	19	21	25	rBV	20968	36015	0.35%	0.062%
2	4.858	125	130	141	rBV4	12470	47105	0.45%	0.081%
3	5.006	141	143	153	rVB	50811	92081	0.89%	0.158%
4	5.714	199	205	209	rBV	31988	60621	0.58%	0.104%
5	5.885	217	220	245	rVB	614607	1416707	13.66%	2.436%
6	9.710	551	555	563	rVV	3073265	6368163	61.42%	10.950%
7	9.847	563	567	577	rVV	15420	50849	0.49%	0.087%
8	13.192	855	860	865	rBV	4759398	9049902	87.28%	15.561%
9	18.341	1305	1311	1315	rBV	5008776	9717040	93.72%	16.708%
10	22.280	1651	1656	1661	rBV	40034	73020	0.70%	0.126%
11	22.634	1681	1687	1693	rBV2	4698242	10329523	99.63%	17.761%
12	22.771	1695	1699	1709	rVB	55001	133072	1.28%	0.229%
13	24.849	1877	1881	1887	rVV	46159	84344	0.81%	0.145%
14	27.726	2129	2133	2139	rBV	726213	1267682	12.23%	2.180%
15	29.244	2261	2266	2277	rVB	16574	40989	0.40%	0.070%
16	30.489	2369	2375	2381	rBV2	4264078	10368227	100.00%	17.828%
17	31.105	2425	2429	2443	rVB2	25714	102304	0.99%	0.176%
18	33.446	2629	2634	2635	rVV	18319	42908	0.41%	0.074%
19	33.503	2635	2639	2653	rVB3	24784	109912	1.06%	0.189%
20	34.416	2713	2719	2749	rBV	3560797	8767385	84.56%	15.075%

Sum of corrected areas: 58157849

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN11\00464.D
Operator :
Acquired : 11 Jan 2002 6:15 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 11, 2002
Vial Number: 6
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

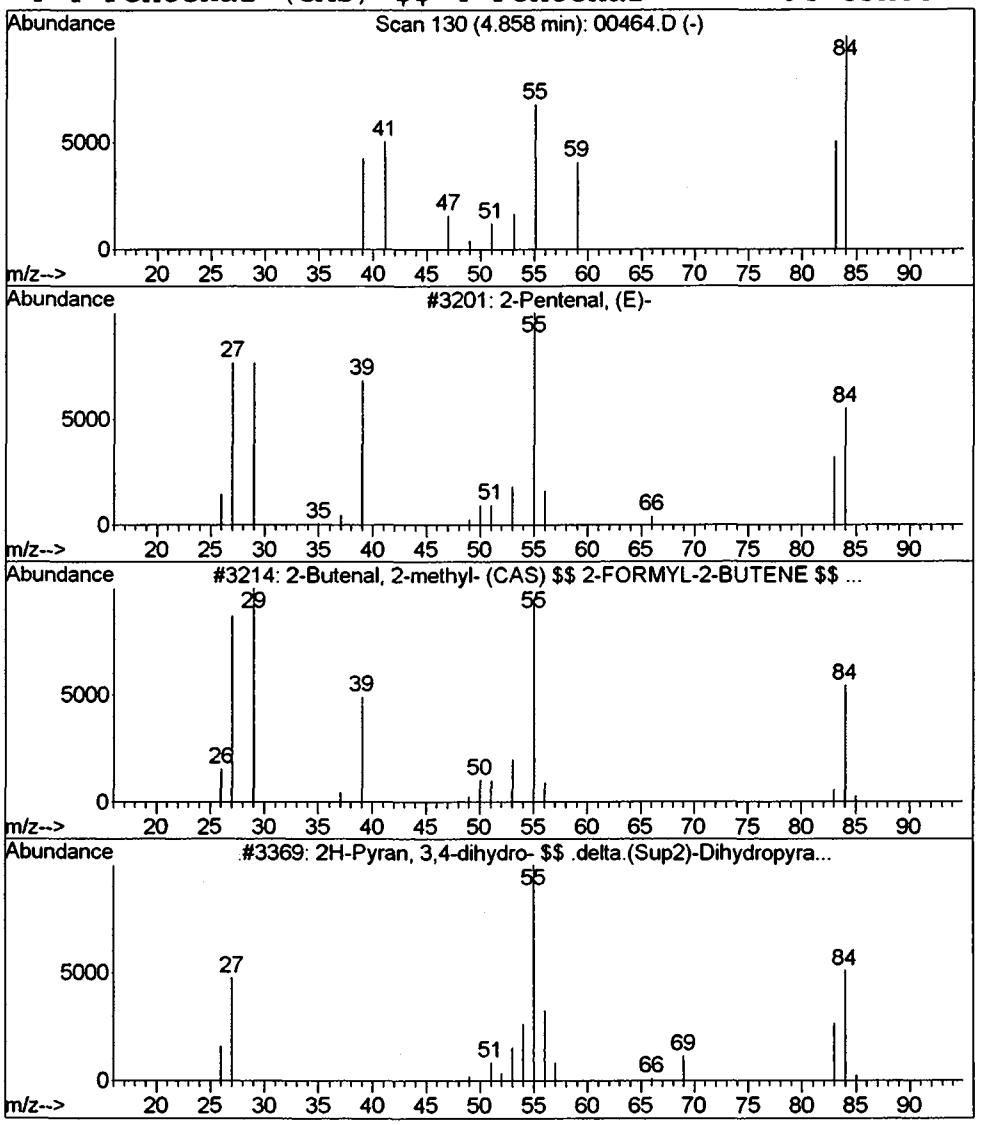
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

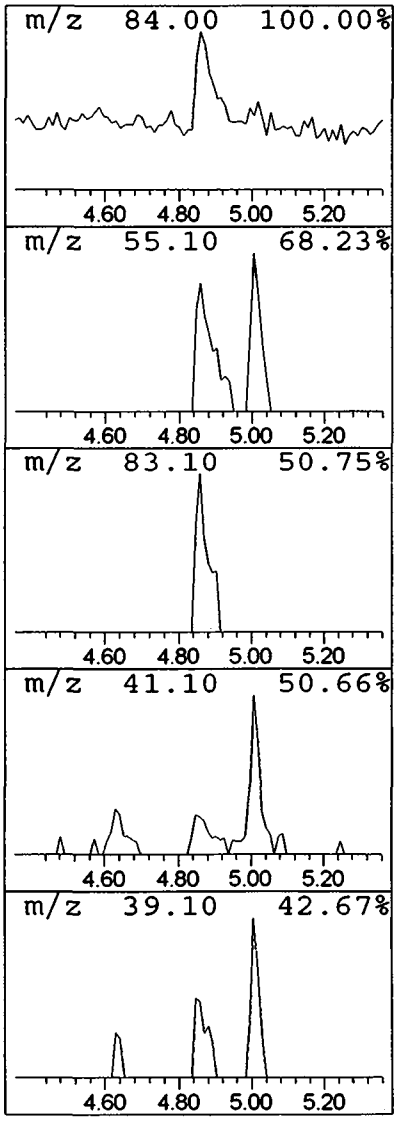
****

Peak Number 1 2-Pentenal, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	0.15 ug/L	47105	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenal, (E)-	84	C5H8O	001576-87-0	25
2	2-Butenal, 2-methyl- (CAS) $$ 2-...	84	C5H8O	001115-11-3	12
3	2H-Pyran, 3,4-dihydro- $$ .delta...	84	C5H8O	000110-87-2	9
4	4-Pentenal (CAS) $$ 4-Pentenal-	84	C5H8O	002100-17-6	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

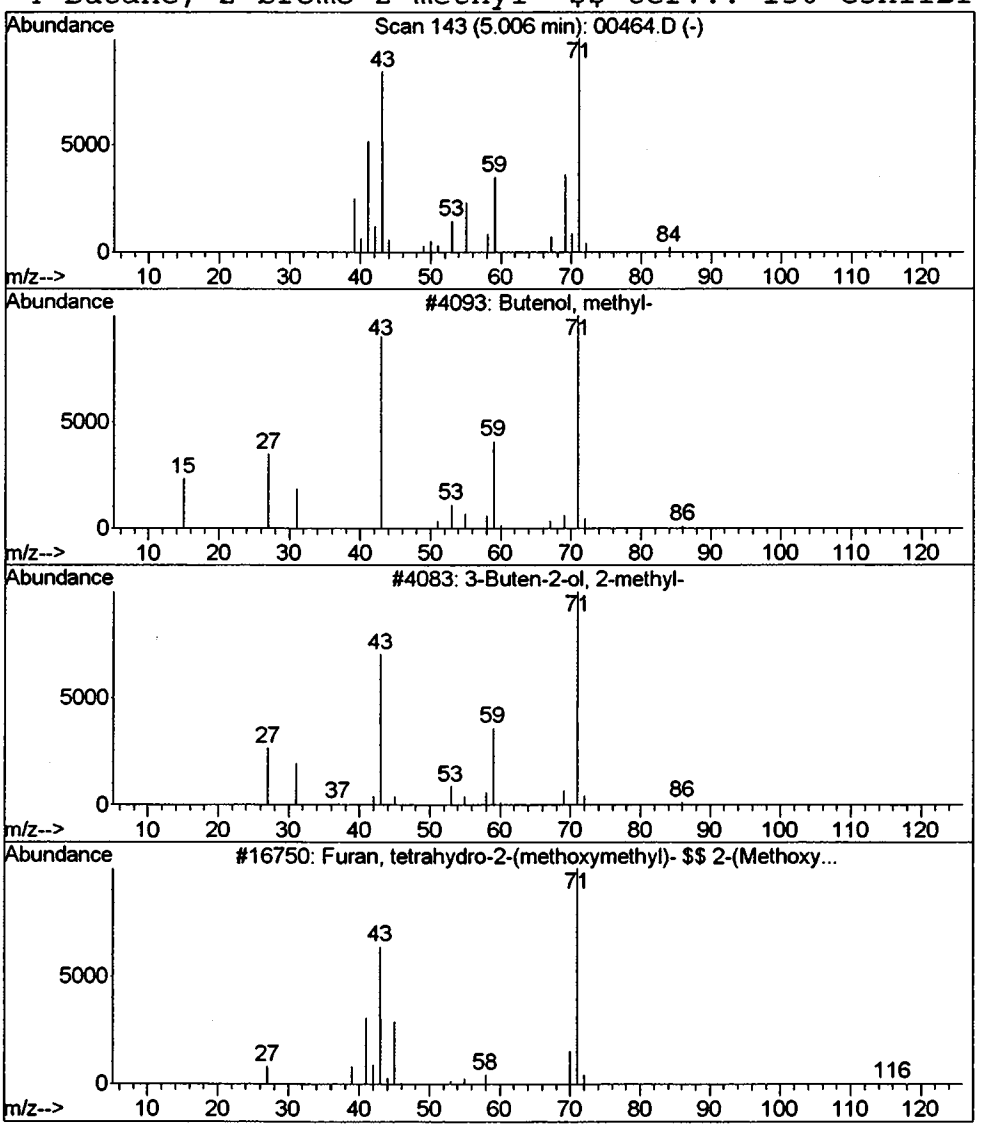
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

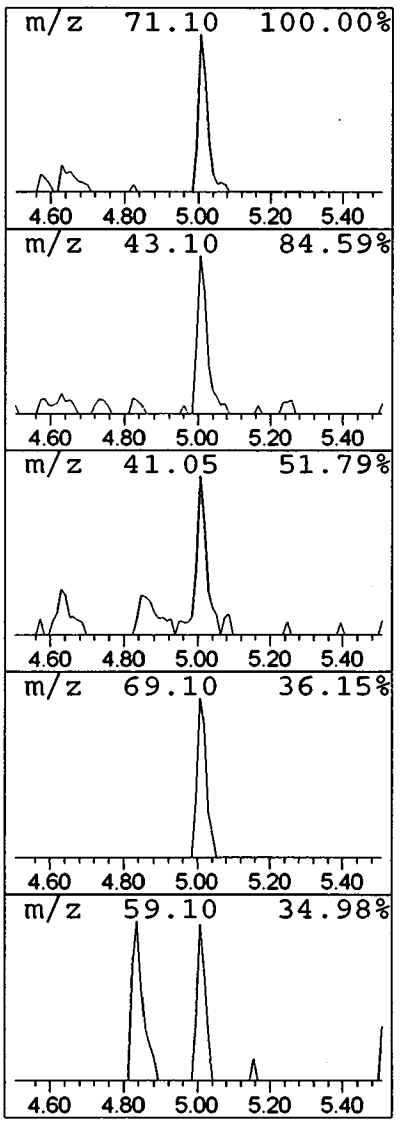
****

Peak Number 2 Butenol, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.29 ug/L	92081	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	56
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	56
3	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	53
4	Butane, 2-bromo-2-methyl- $$ ter...	150	C5H11Br	000507-36-8	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

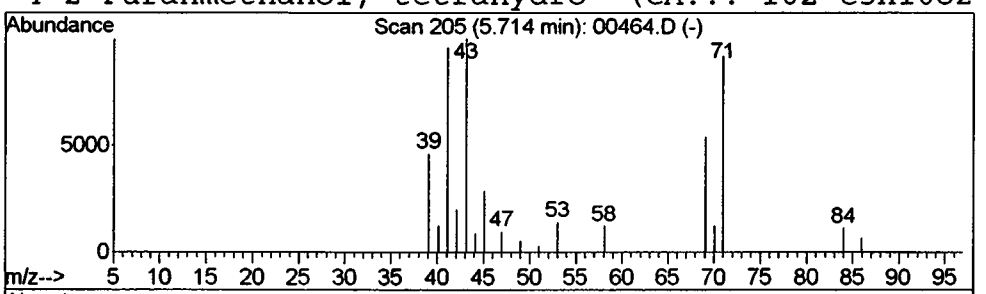
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

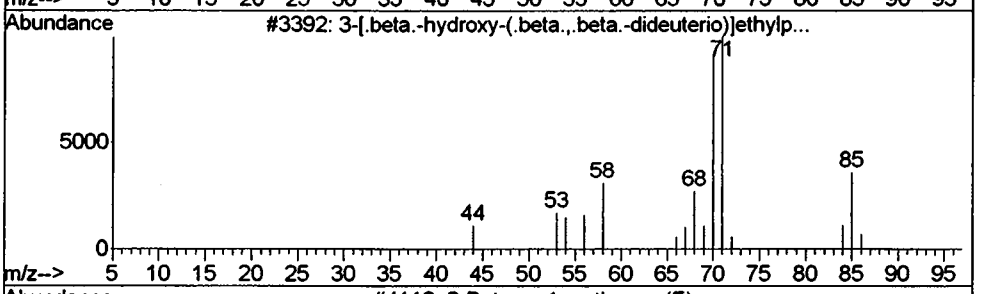
****

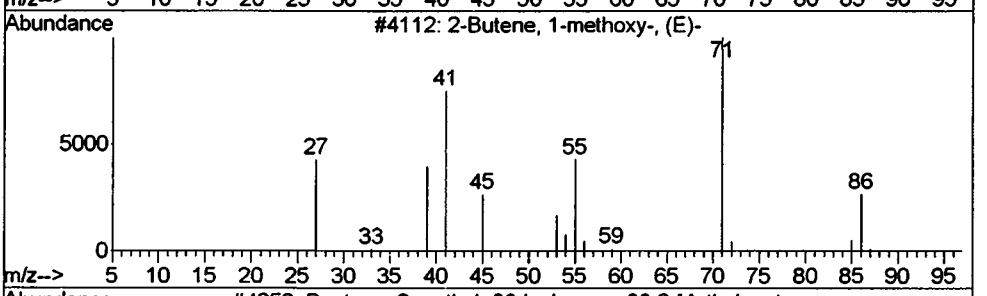
Peak Number 3 3-[.beta.-hydroxy-(.beta.,.... Concentration Rank 4

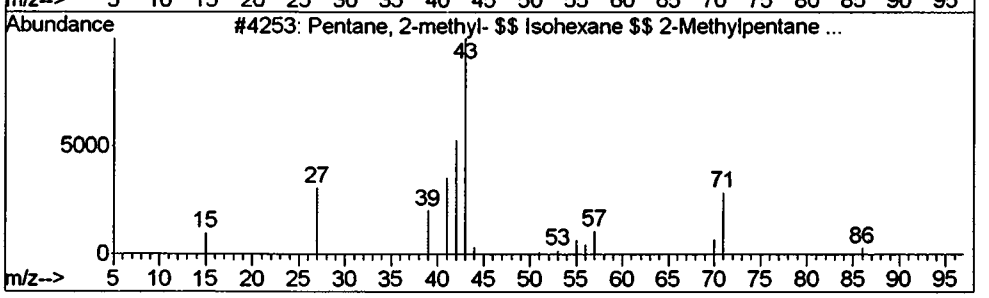
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	0.19 ug/L	60621	1,4-Dichlorobenzene-d4	9.72

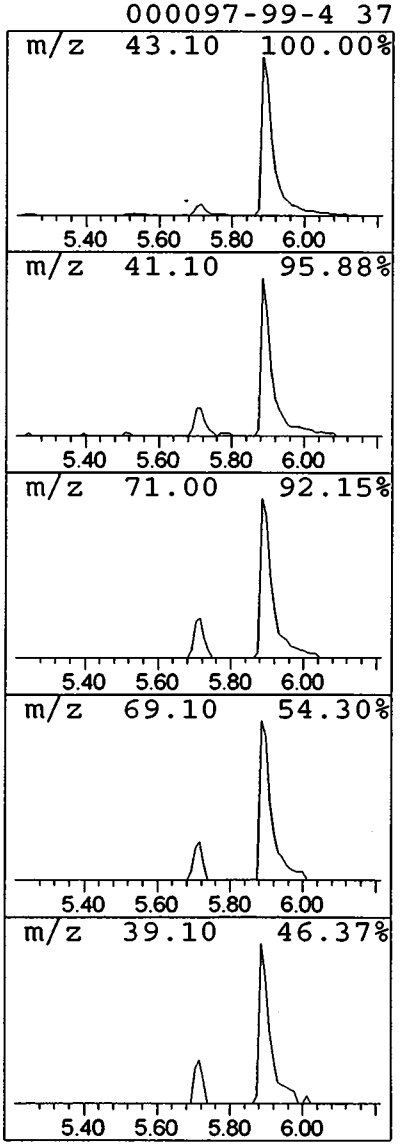
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[.beta.-hydroxy-(.beta.,.beta....	86	C5H6D2O	005557-87-9	43
2	2-Butene, 1-methoxy-, (E)-	86	C5H10O	010034-14-7	42
3	Pentane, 2-methyl- $$ Isohexane ...	86	C6H14	000107-83-5	38
4	2-Furanmethanol, tetrahydro- (CA...	102	C5H10O2	000097-99-4	37











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

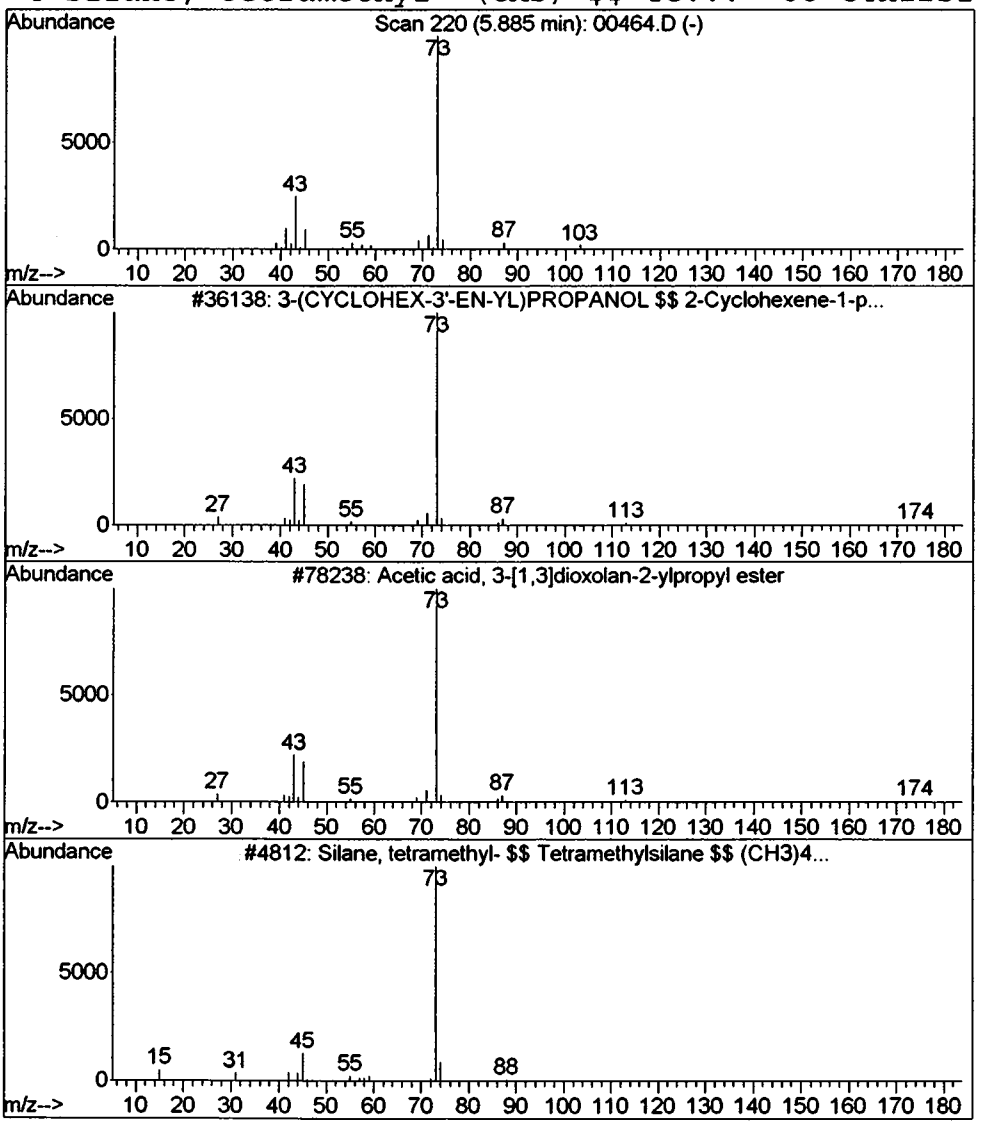
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

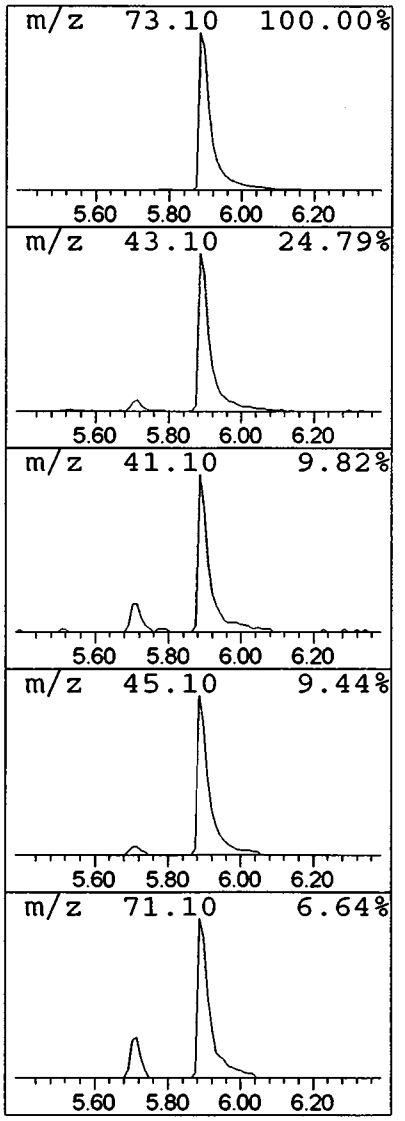
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.45 ug/L	1416710	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	25
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

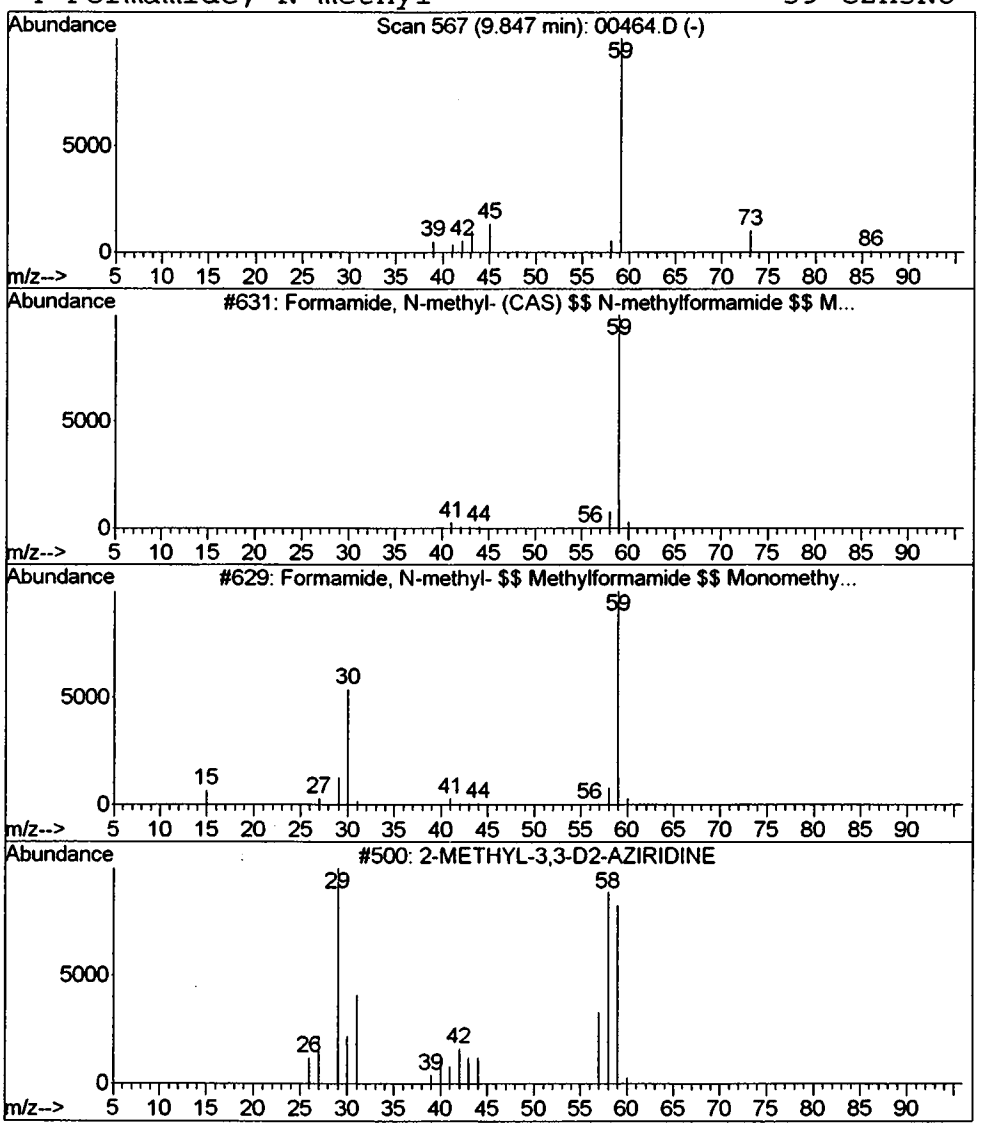
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

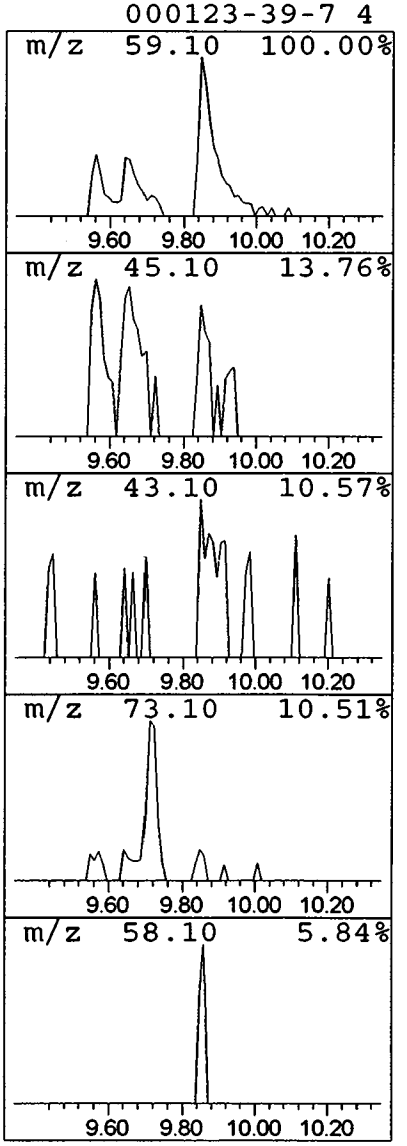
****

Peak Number 5 Formamide, N-methyl- (CAS) ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.16 ug/L	50849	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-methyl- (CAS) $$ N-...	59	C2H5NO	000123-39-7	4
2	Formamide, N-methyl- $$ Methylfo...	59	C2H5NO	000123-39-7	4
3	2-METHYL-3,3-D2-AZIRIDINE	59	C3H5D2N	030691-55-5	4
4	Formamide, N-methyl-	59	C2H5NO	000123-39-7	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

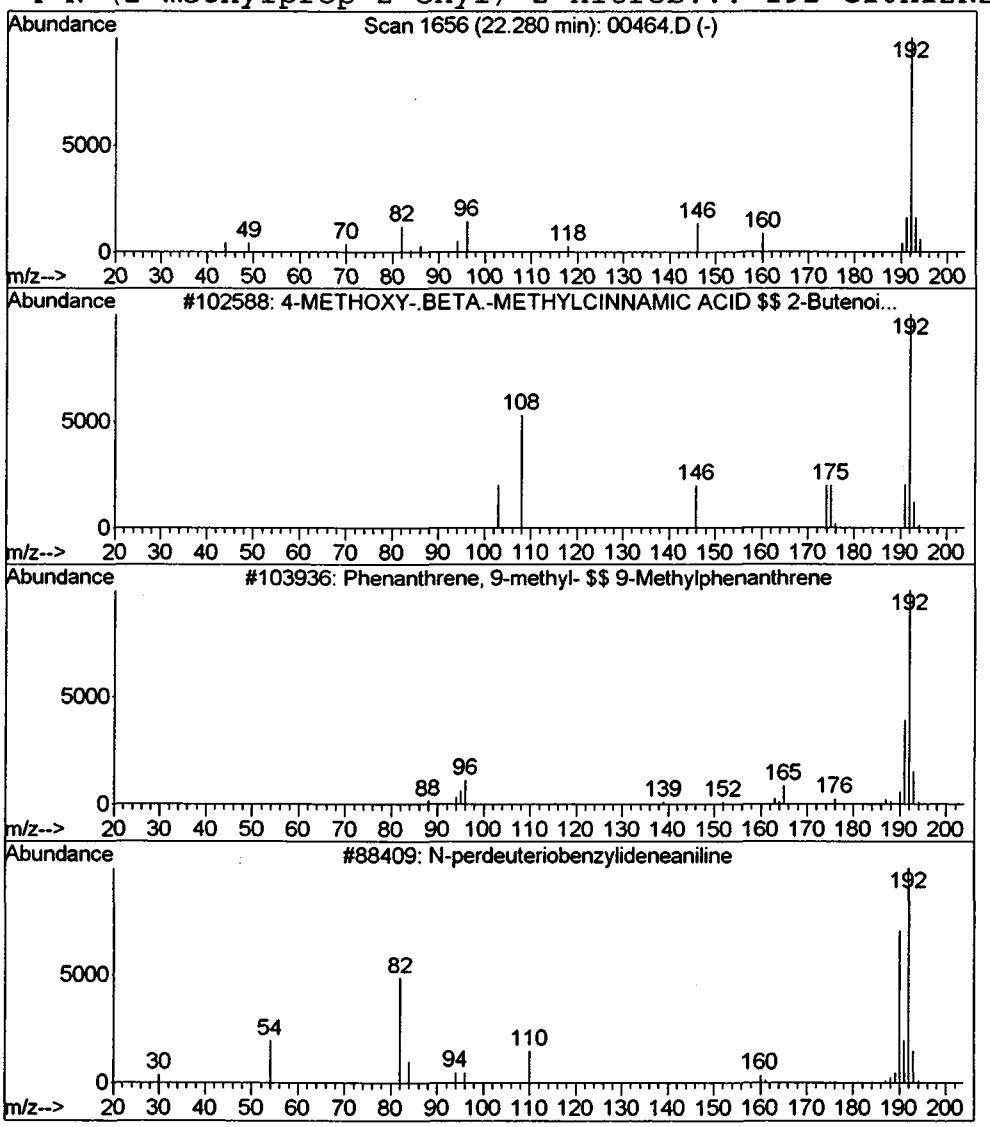
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

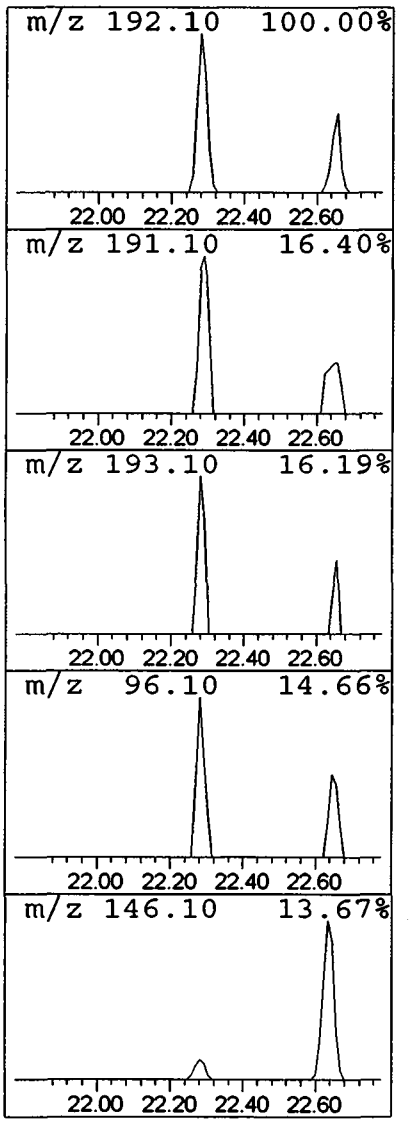
****

Peak Number 6 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	73020	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	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	52





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00464.D Vial: 6
Acq On : 11 Jan 2002 6:15 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

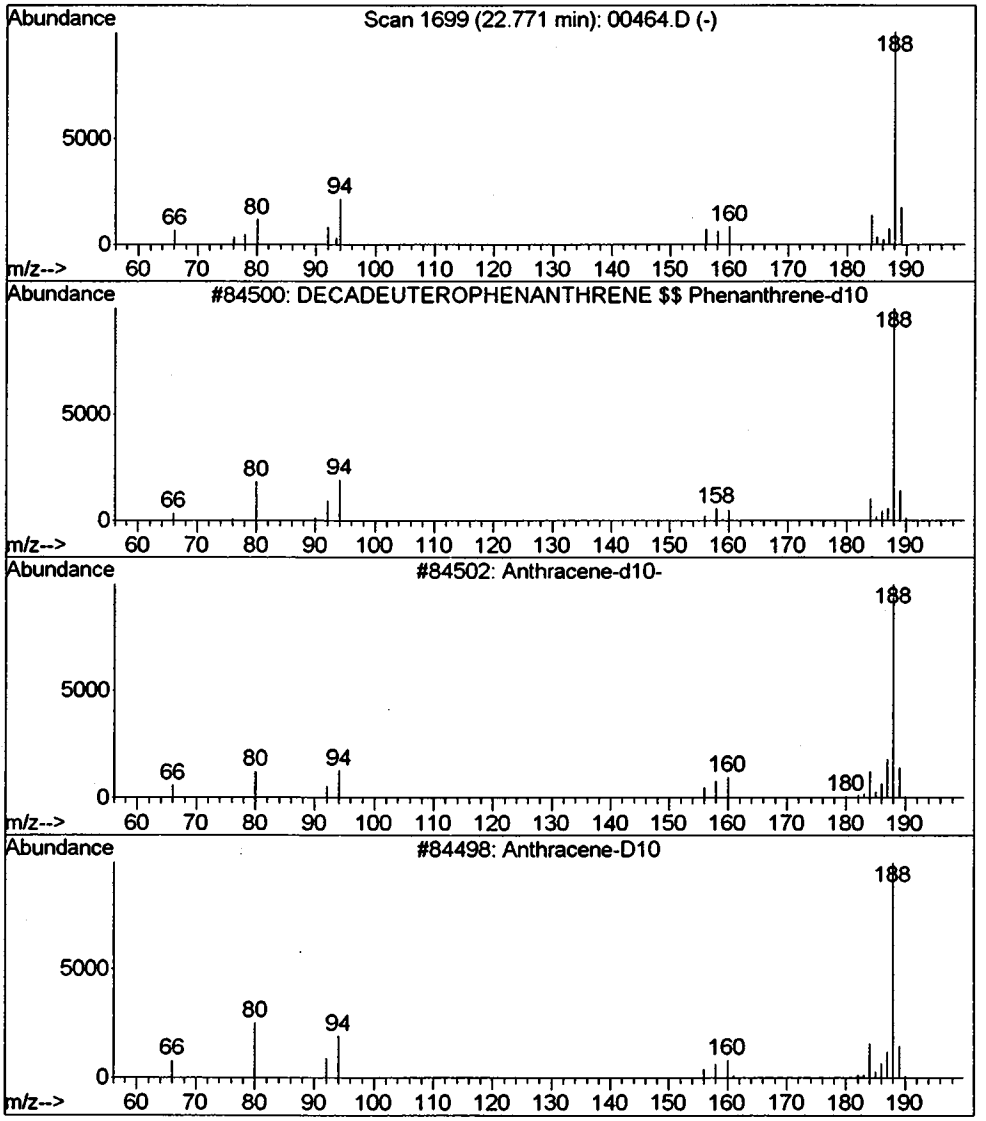
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

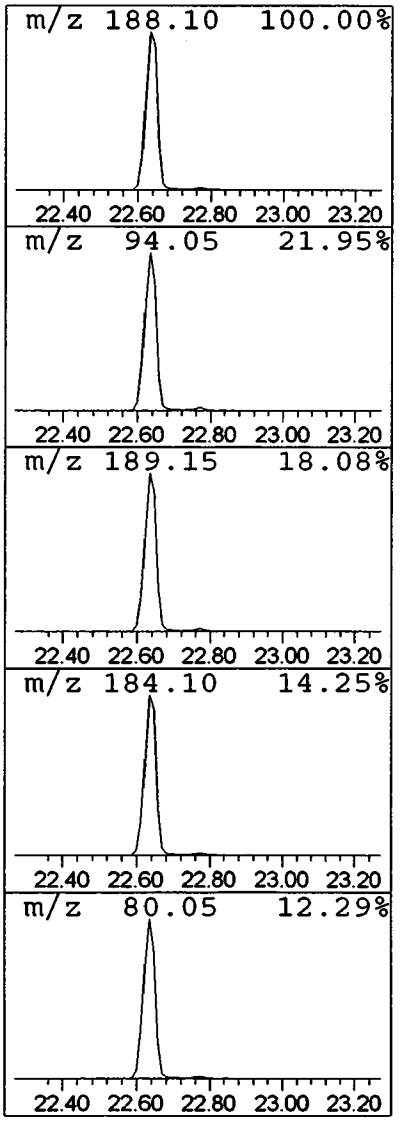
****

Peak Number 7 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.26 ug/L	133072	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	86
2	Anthracene-d10-	188	C14D10	001719-06-8	83
3	Anthracene-D10	188	C14D10	000000-00-0	80
4	Phenanthrene-d10	188	C14D10	001517-22-2	72





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 11 Jan 2002 6:15 pm
Data File: C:\MSDCHEM\1\5973N\02JAN11\00464.D
Name: 508 scan
Misc: January 11, 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
2-Pentenal, (E)-	4.86	0.1	ug/L	47105	1	9.72	6368160	20.0
Butenol, methyl-	5.01	0.3	ug/L	92081	1	9.72	6368160	20.0
3-[.beta.-hydroxy...	5.71	0.2	ug/L	60621	1	9.72	6368160	20.0
3-(CYCLOHEX-3'-EN...	5.89	4.4	ug/L	1416710	1	9.72	6368160	20.0
Formamide, N-meth...	9.85	0.2	ug/L	50849	1	9.72	6368160	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	73020	4	22.63	10329500	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	133072	4	22.63	10329500	20.0