User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/25/2002 Time: 17:12:54

Sample: AE00101
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/25/02 17:12 Ended: 1/25/02 17:12 Analyst: DLV
Result source: manual entry
Page: 1

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

Comments for Sample AE00101 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-25-2002 Time: 17:12:45

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 9 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 24 09:46:36 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

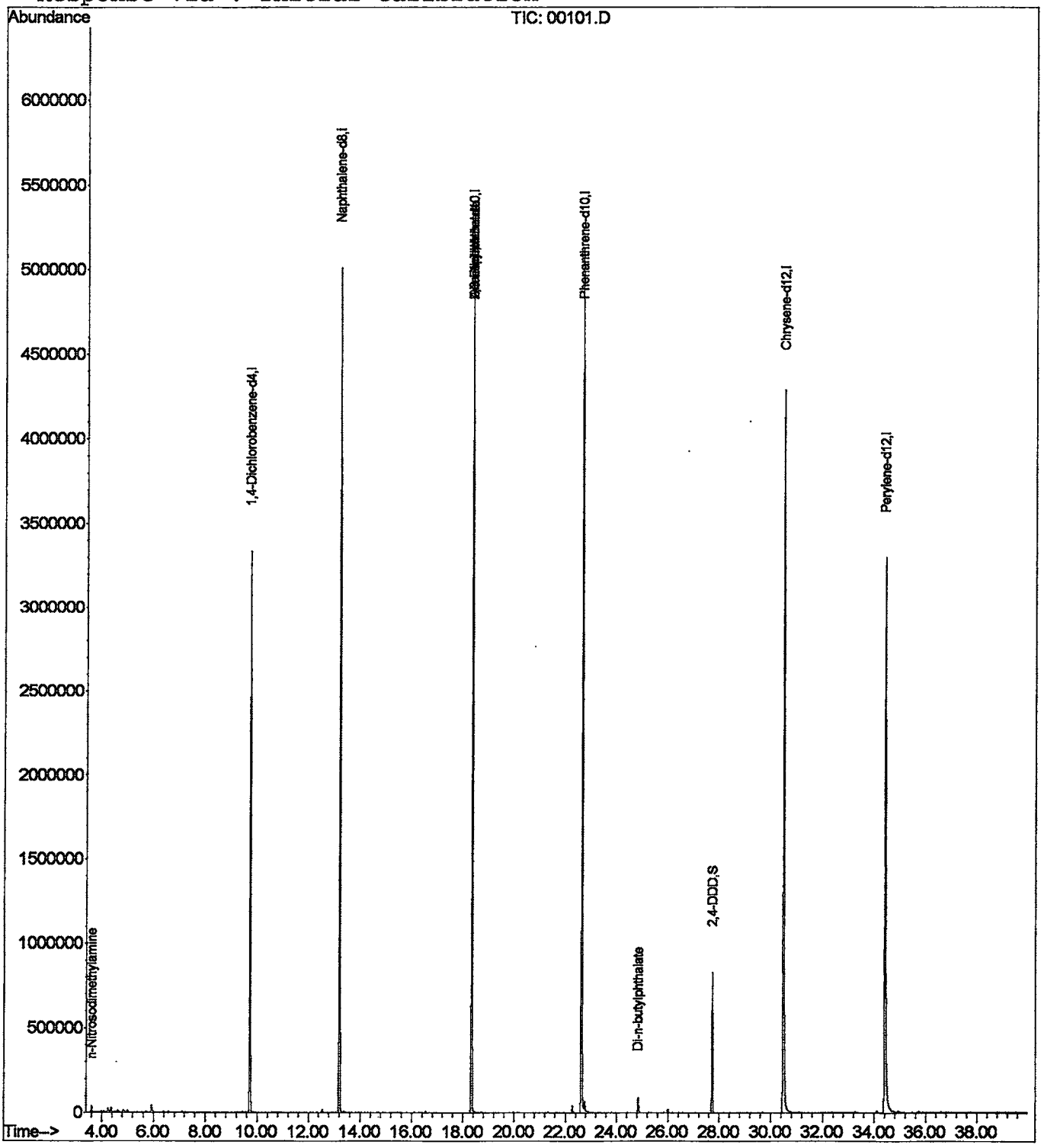
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1141306	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4906440	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2615032	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4462908	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	3796763	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2672551	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	300410	4.26	ug/L	0.00
Spiked Amount 5.000			Recovery = 85.20%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	14661	0.30	ug/L #	8
20) Dimethylphthalate	18.34	163	419551	2.43	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	331887	9.85	ug/L #	17
35) Di-n-butylphthalate	24.85	149	110267	0.38	ug/L	95

(#) = qualifier out of range (m) = manual integration
00101.D SCAN508.M Thu Jan 24 09:46:37 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 24 9:46 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\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 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

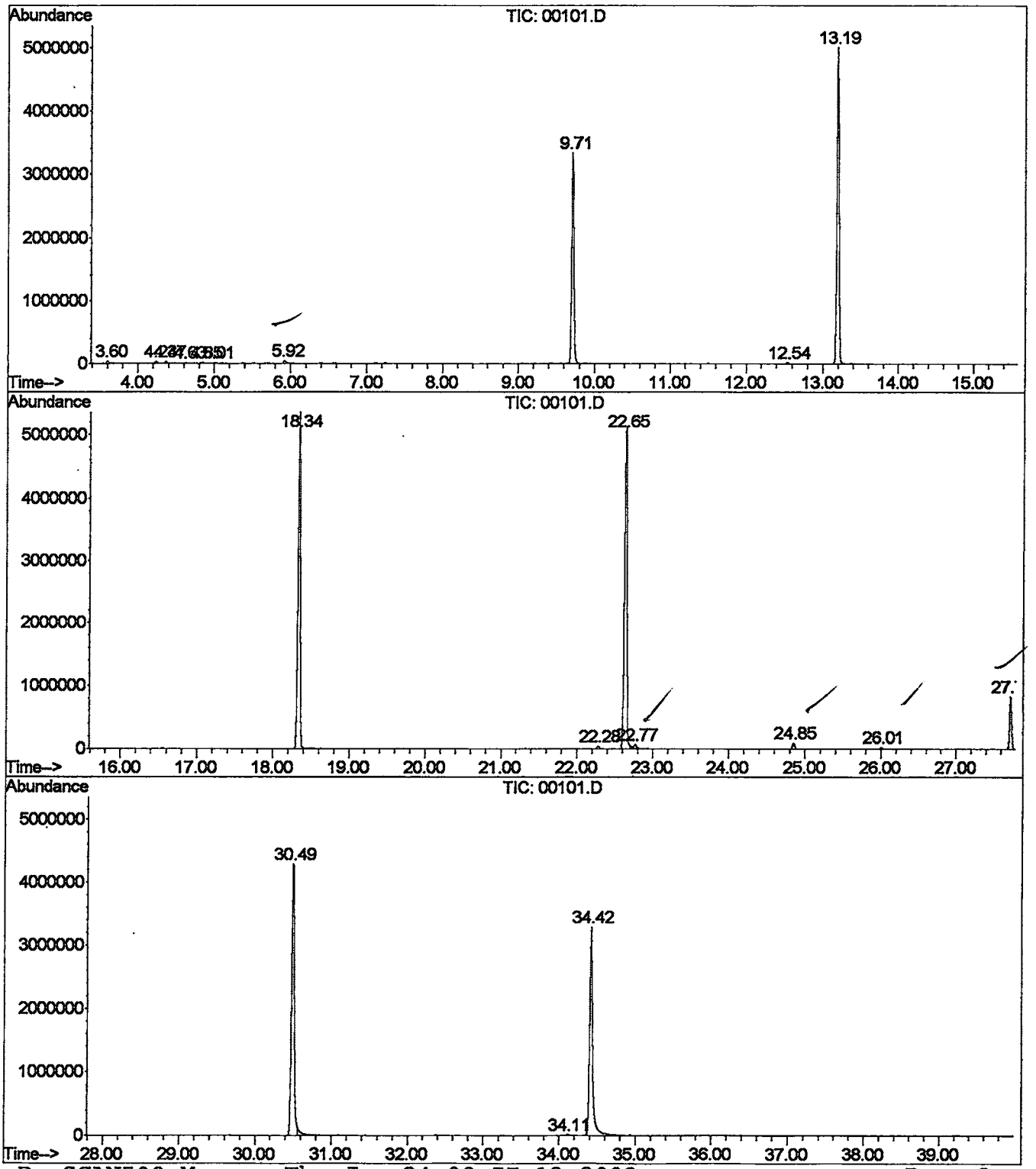
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	17	20	25	rBV	41230	59872	0.50%	0.098%
2	4.241	71	76	83	rVV2	26145	56896	0.48%	0.093%
3	4.367	83	87	91	rVB2	28271	46393	0.39%	0.076%
4	4.630	105	110	121	rVB5	13153	35332	0.30%	0.058%
5	4.846	125	129	141	rVV2	13661	43205	0.36%	0.071%
6	5.006	141	143	147	rVB	13640	22418	0.19%	0.037%
7	5.920	221	223	235	rBV	44606	107455	0.90%	0.176%
8	9.710	551	555	561	rVV	3334272	6564745	55.27%	10.773%
9	12.541	799	803	807	rVB	20804	34395	0.29%	0.056%
10	13.192	855	860	865	rBV	5009468	9477036	79.79%	15.552%
11	18.341	1305	1311	1315	rBV	5359673	10703457	90.11%	17.565%
12	22.280	1653	1656	1661	rBV2	44203	82393	0.69%	0.135%
13	22.645	1681	1688	1693	rBV2	5129192	11878023	100.00%	19.492%
14	22.771	1695	1699	1707	rVB	61421	160767	1.35%	0.264%
15	24.849	1877	1881	1889	rVB	92112	171062	1.44%	0.281%
16	26.013	1977	1983	1987	rBV	24143	49990	0.42%	0.082%
17	27.726	2129	2133	2139	rVV	829786	1484113	12.49%	2.435%
18	30.489	2369	2375	2381	rBV	4293703	10887167	91.66%	17.866%
19	34.108	2689	2692	2697	rBV	12723	24930	0.21%	0.041%
20	34.416	2713	2719	2755	rBV	3293986	9048356	76.18%	14.848%

Sum of corrected areas: 60938005

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN23\00101.D
Operator :
Acquired : 23 Jan 2002 5:25 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 22, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

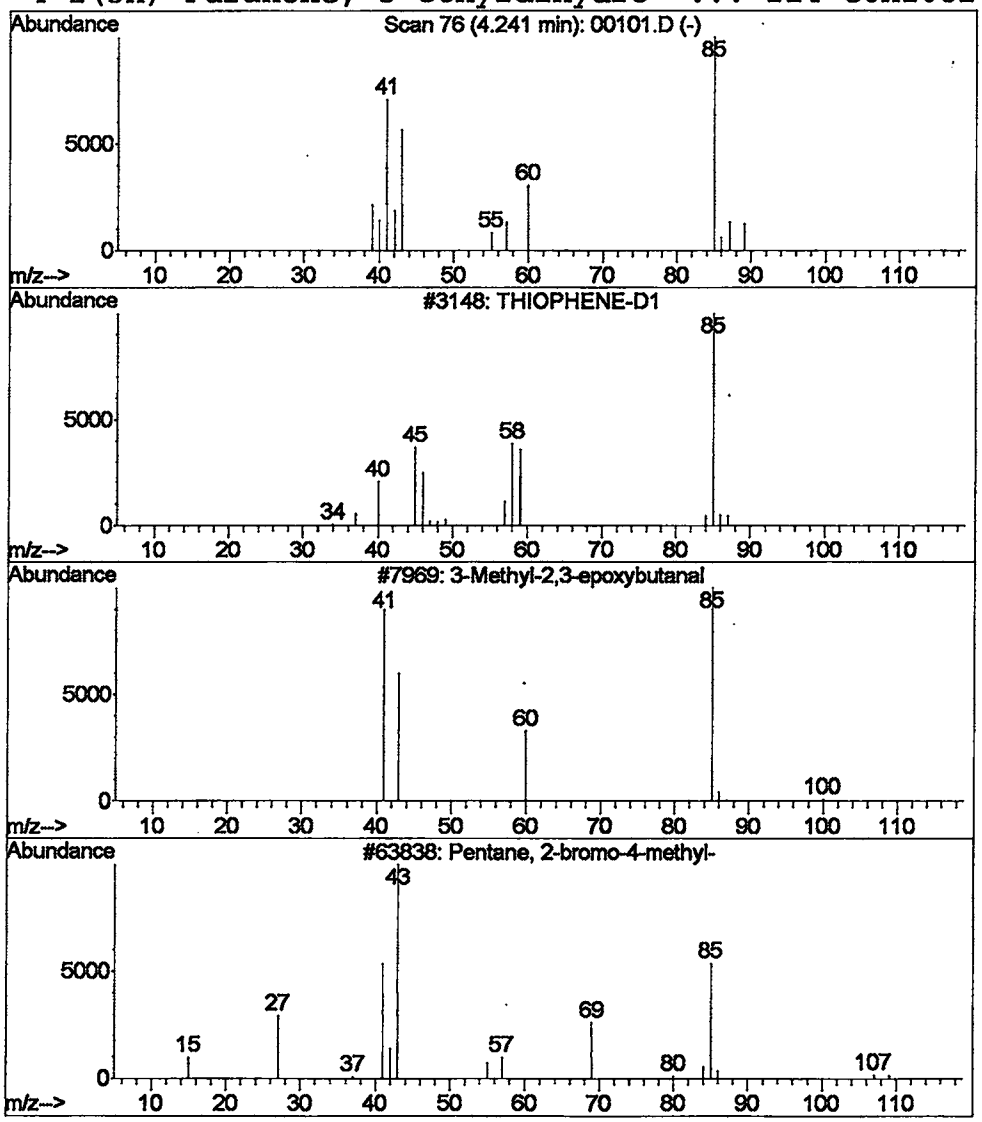
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

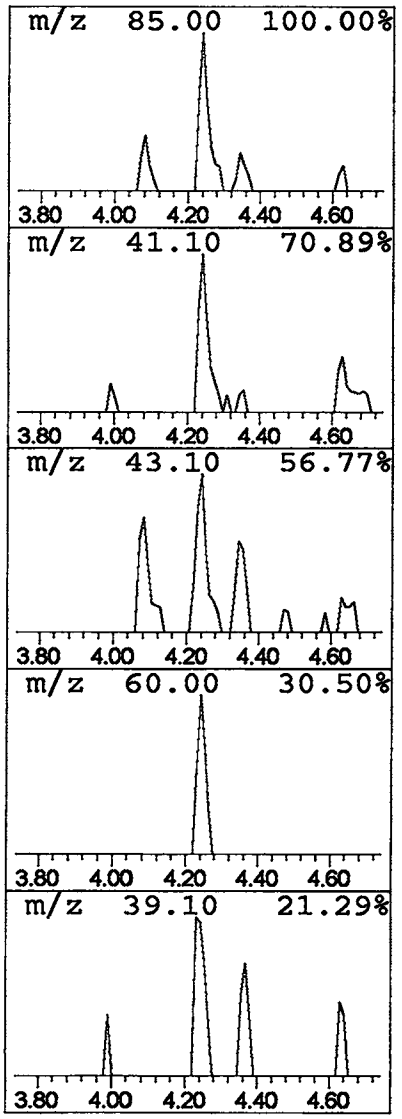
****

Peak Number 1 THIOPHENE-D1 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.17 ug/L	56896	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	THIOPHENE-D1	85	C4H3DS	000000-00-0	40
2	3-Methyl-2,3-epoxybutanal	100	C5H8O2	000000-00-0	36
3	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	36
4	2(3H)-Furanone, 5-ethyldihydro- ...	114	C6H10O2	000695-06-7	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

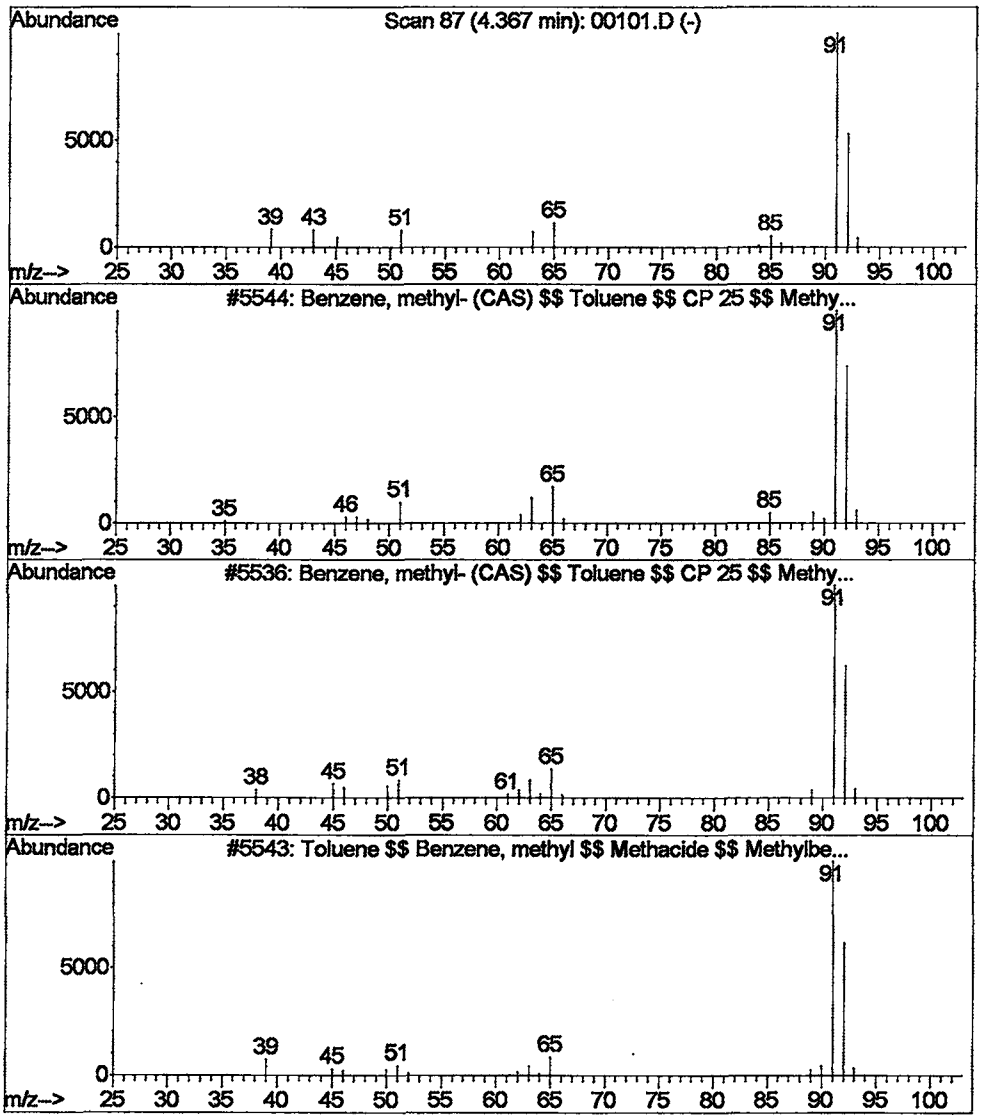
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

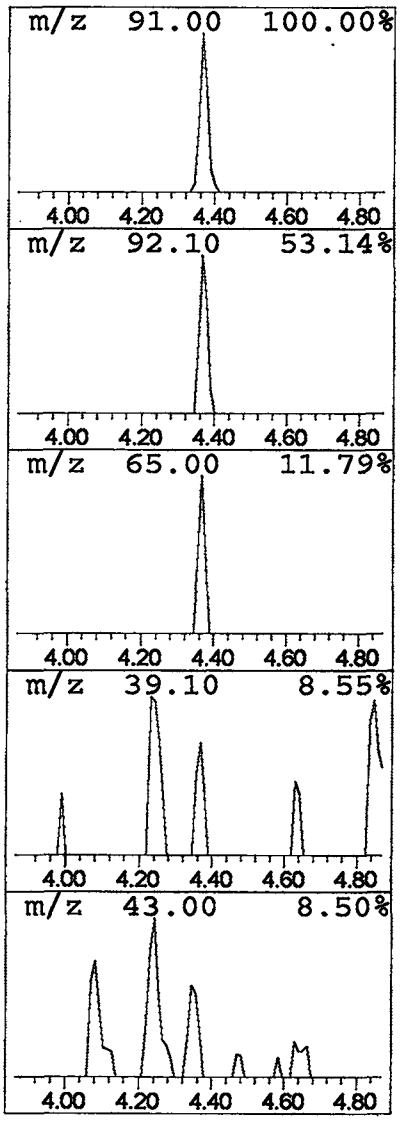
****

Peak Number 2 Benzene, methyl- (CAS) $$ T... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	0.14 ug/L	46393	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, methyl- (CAS) $$ Toluen...	92	C7H8	000108-88-3	83
2	Benzene, methyl- (CAS) $$ Toluen...	92	C7H8	000108-88-3	80
3	Toluene $$ Benzene, methyl $$ Me...	92	C7H8	000108-88-3	80
4	Toluene	92	C7H8	000108-88-3	80





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

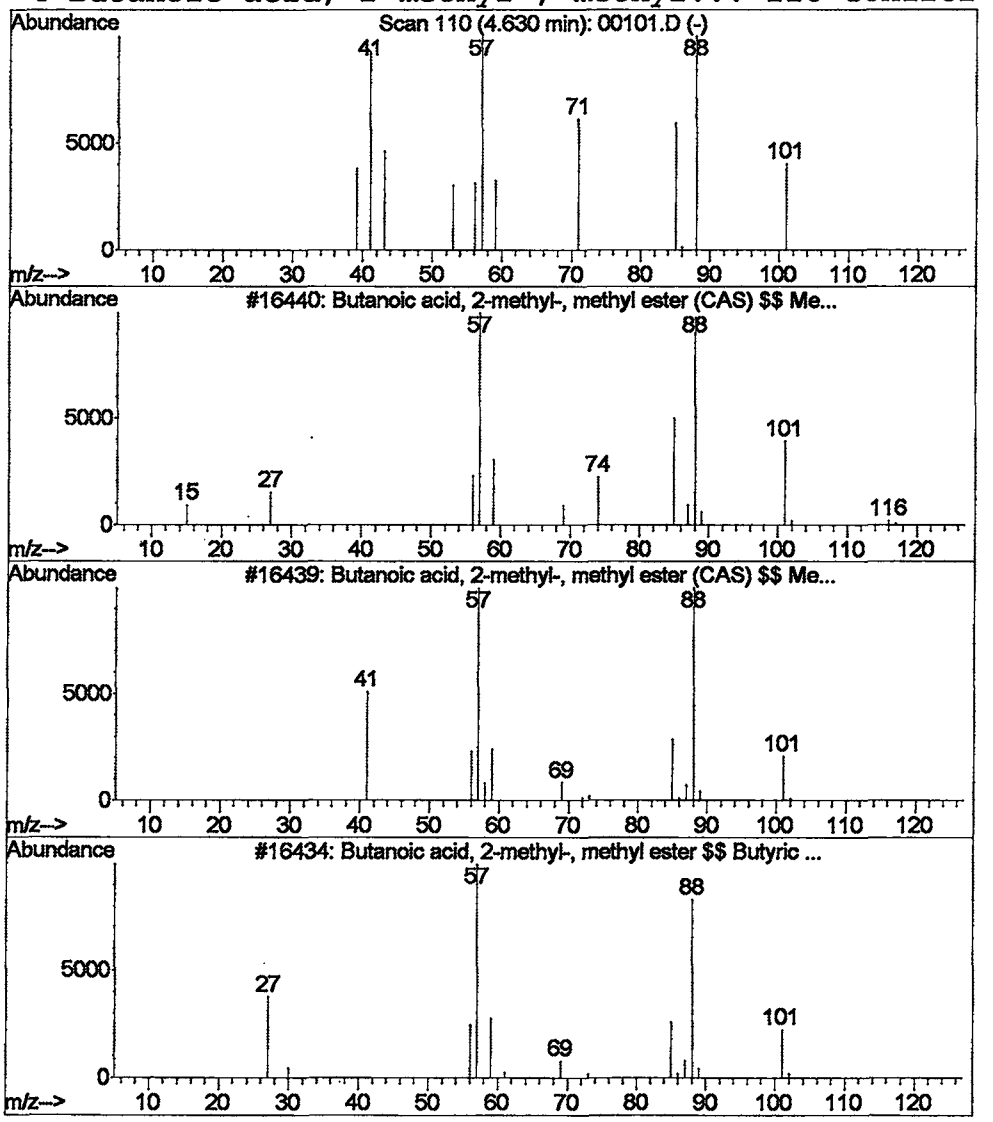
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

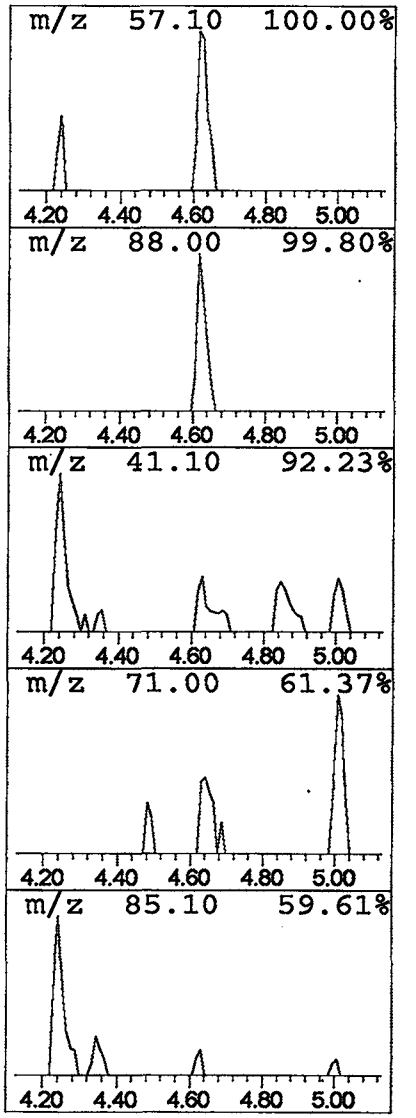
****

Peak Number 3 Butanoic acid, 2-methyl-, m... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.11 ug/L	35332	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	59
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	42
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	33
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	17





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

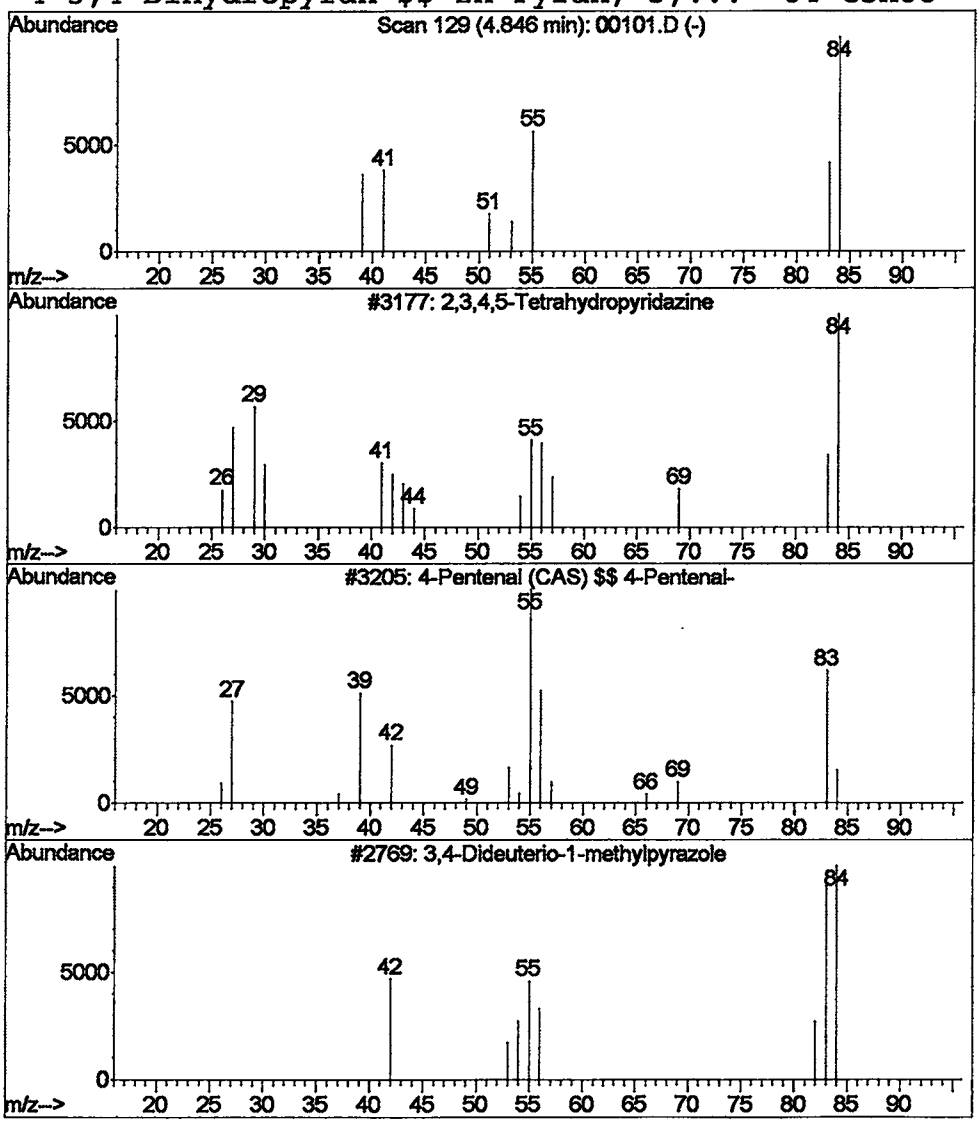
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

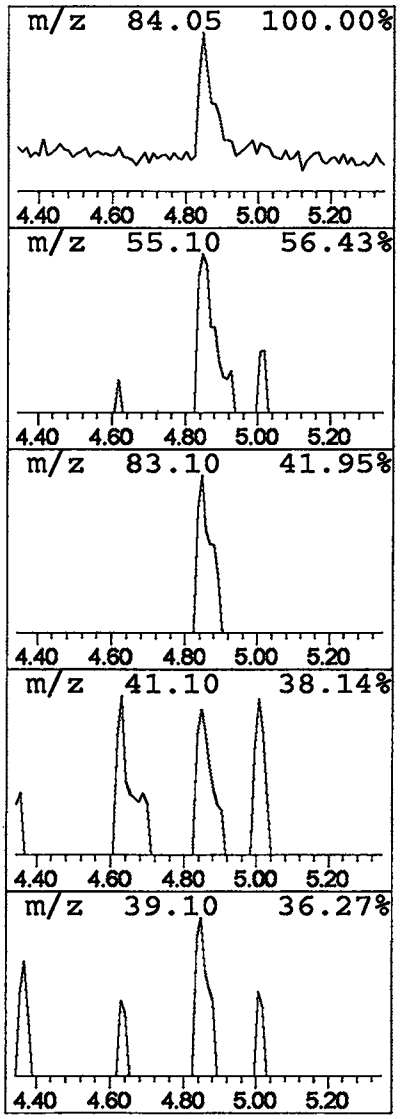
****

Peak Number 4 2,3,4,5-Tetrahydropyridazine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.13 ug/L	43205	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	56
2	4-Pentenal (CAS) $$ 4-Pentenal-	84	C5H8O	002100-17-6	9
3	3,4-Dideuterio-1-methylpyrazole	84	C4H4D2N2	000000-00-0	7
4	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

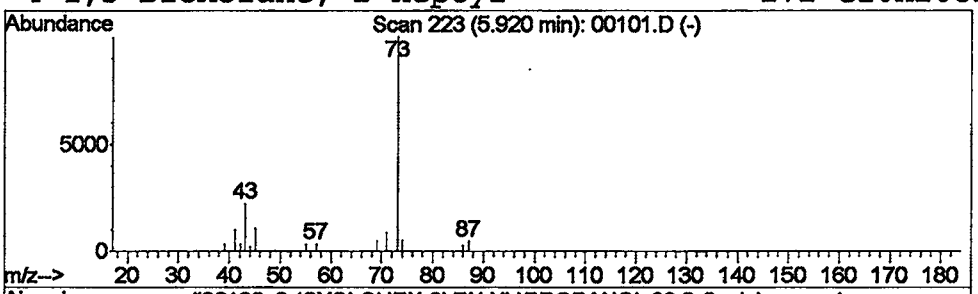
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

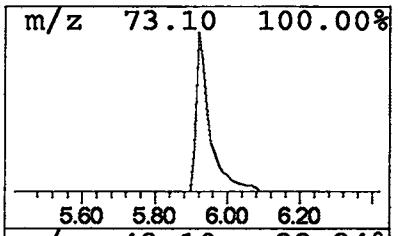
****

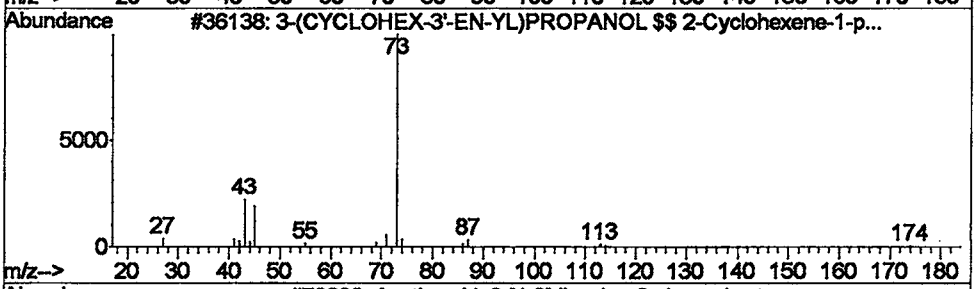
Peak Number 5 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

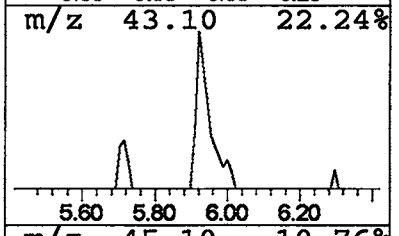
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	0.33 ug/L	107455	1,4-Dichlorobenzene-d4	9.71

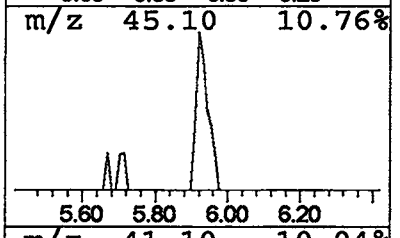
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	45
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	45
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	33
4	1,3-Dioxolane, 2-heptyl-	172	C10H20O2	004359-57-3	9

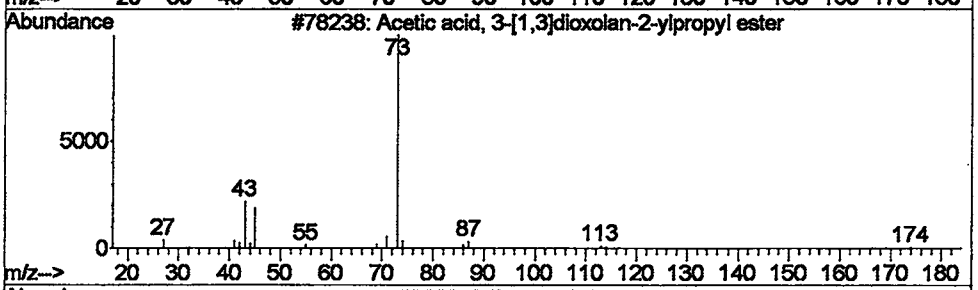


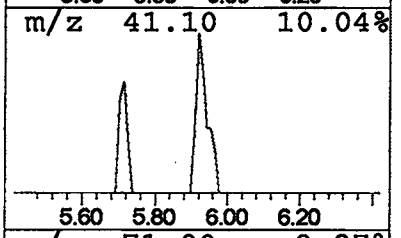


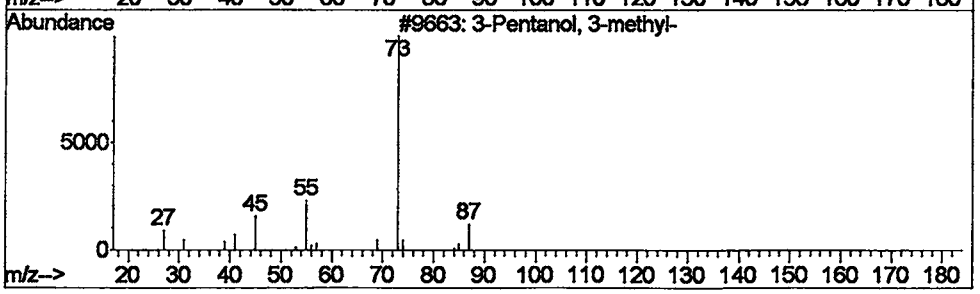


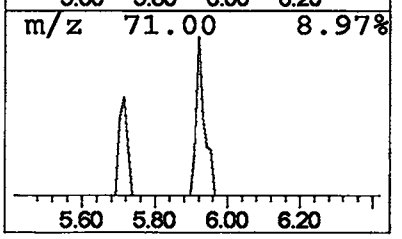












Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

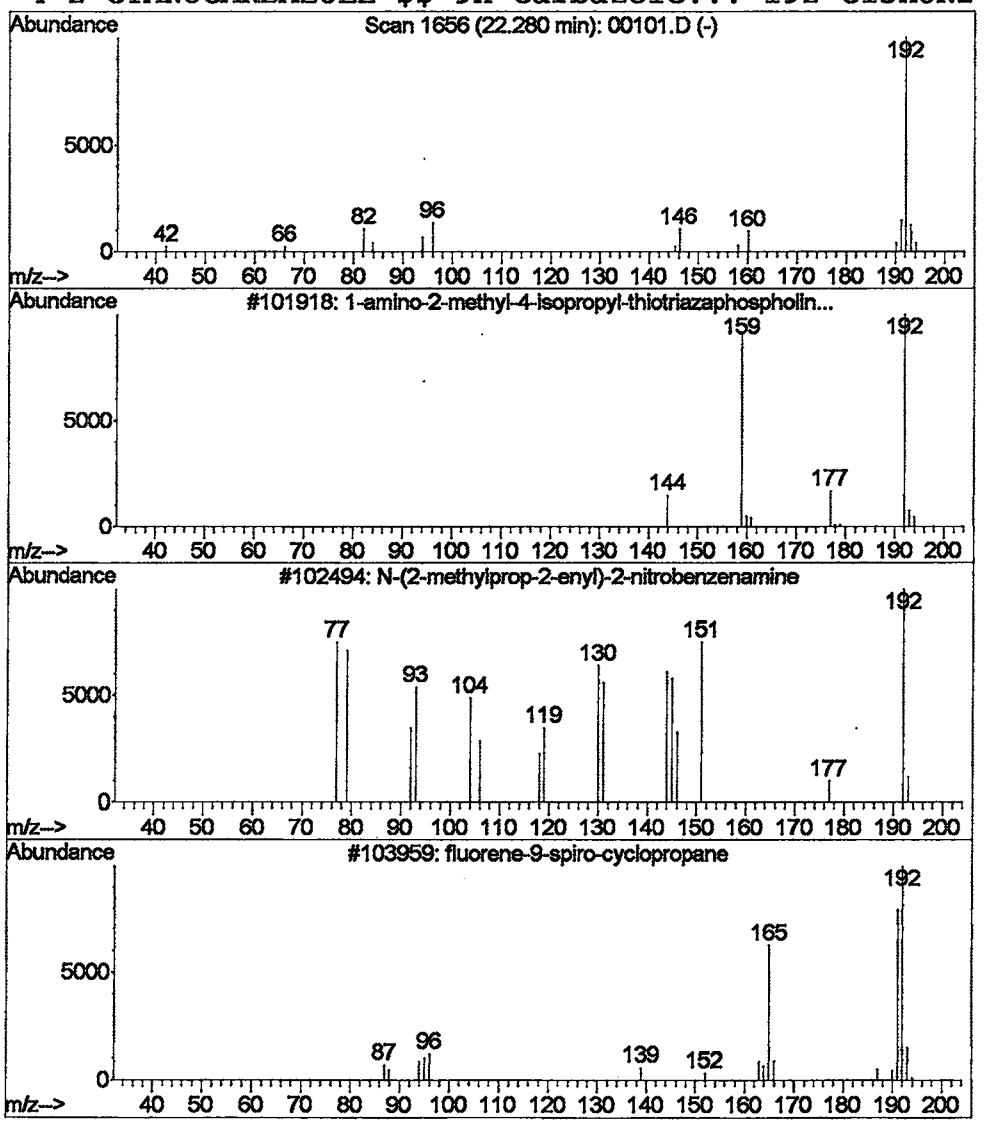
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

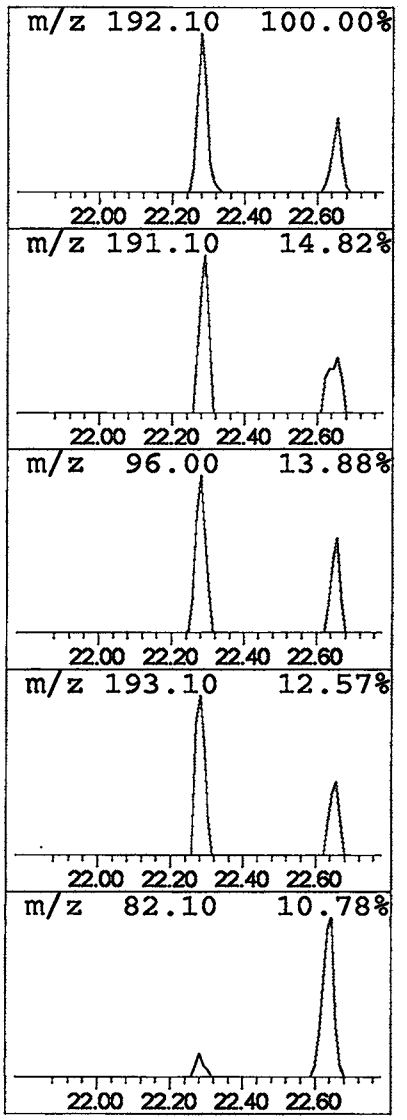
****

Peak Number 6 1-amino-2-methyl-4-isopropy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	82393	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
2	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49
3	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	45
4	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\00101.D Vial: 4
Acq On : 23 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

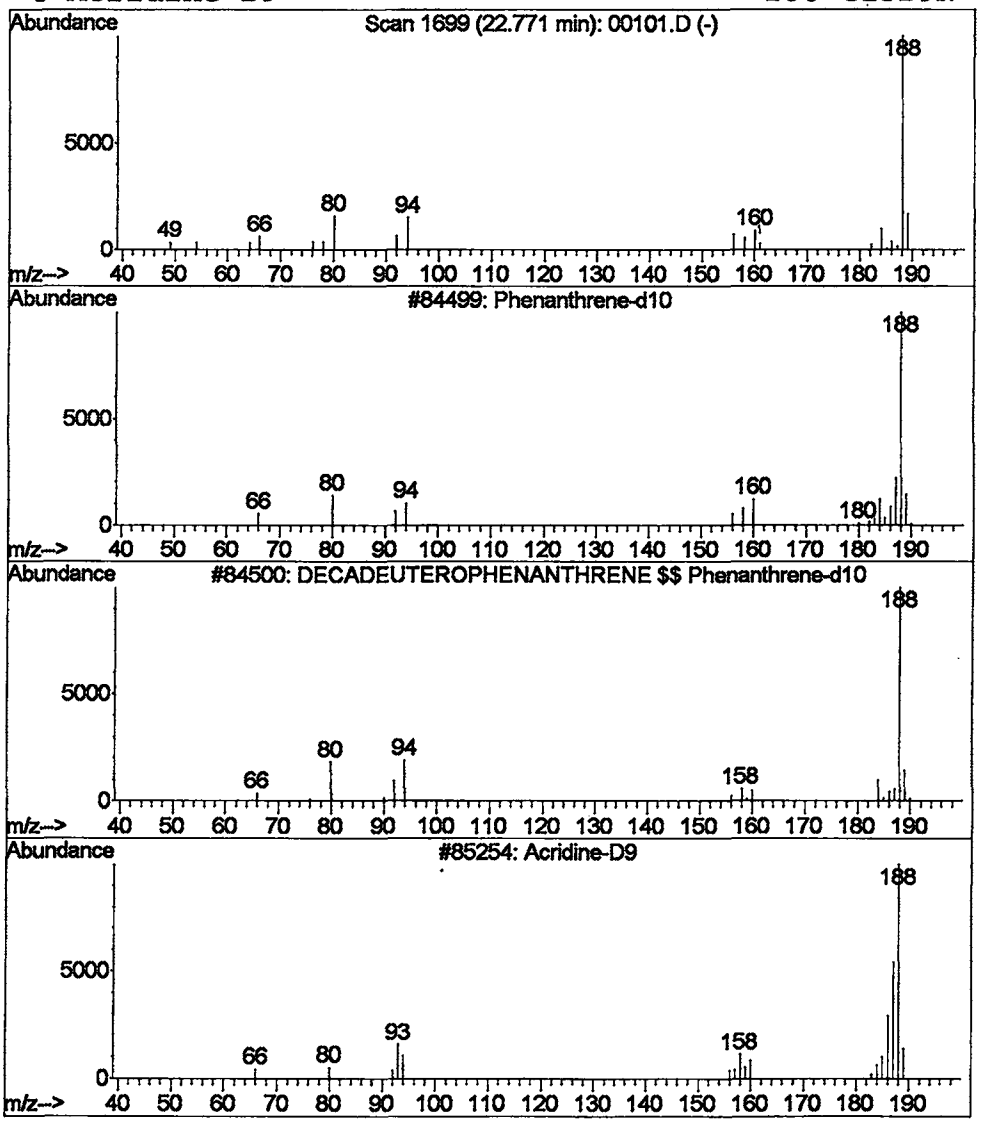
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

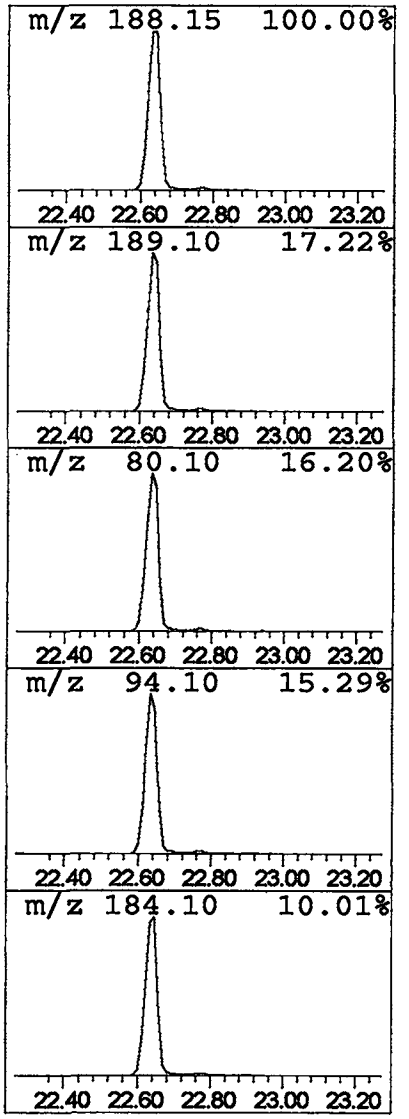
****

Peak Number 7 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.27 ug/L	160767	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	86
2	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	83
3	Acridine-D9	188	C13D9N	000000-00-0	80
4	Acridine-D9	188	C13D9N	000000-00-0	72





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 23 Jan 2002 5:25 pm
Data File: C:\MSDCHEM\1\5973N\02JAN23\00101.D
Name: 508 scan
Misc: January 22, 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
THIOPHENE-D1	4.24	0.2	ug/L	56896	1	9.71	6564750	20.0
Benzene, methyl- ...	4.37	0.1	ug/L	46393	1	9.71	6564750	20.0
Butanoic acid, 2-...	4.63	0.1	ug/L	35332	1	9.71	6564750	20.0
2,3,4,5-Tetrahydr...	4.85	0.1	ug/L	43205	1	9.71	6564750	20.0
3-(CYCLOHEX-3'-EN...	5.92	0.3	ug/L	107455	1	9.71	6564750	20.0
1-amino-2-methyl-...	22.28	0.1	ug/L	82393	4	22.65	11878000	20.0
Phenanthrene-d10	22.77	0.3	ug/L	160767	4	22.65	11878000	20.0