User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/25/2002 Time: 15:17:42

Sample: AD31645
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/25/02 15:17 Ended: 1/25/02 15:17 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		96		5.0

Comments for Sample AD31645 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-25-2002 Time: 15:22:12

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\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 15:30:23 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

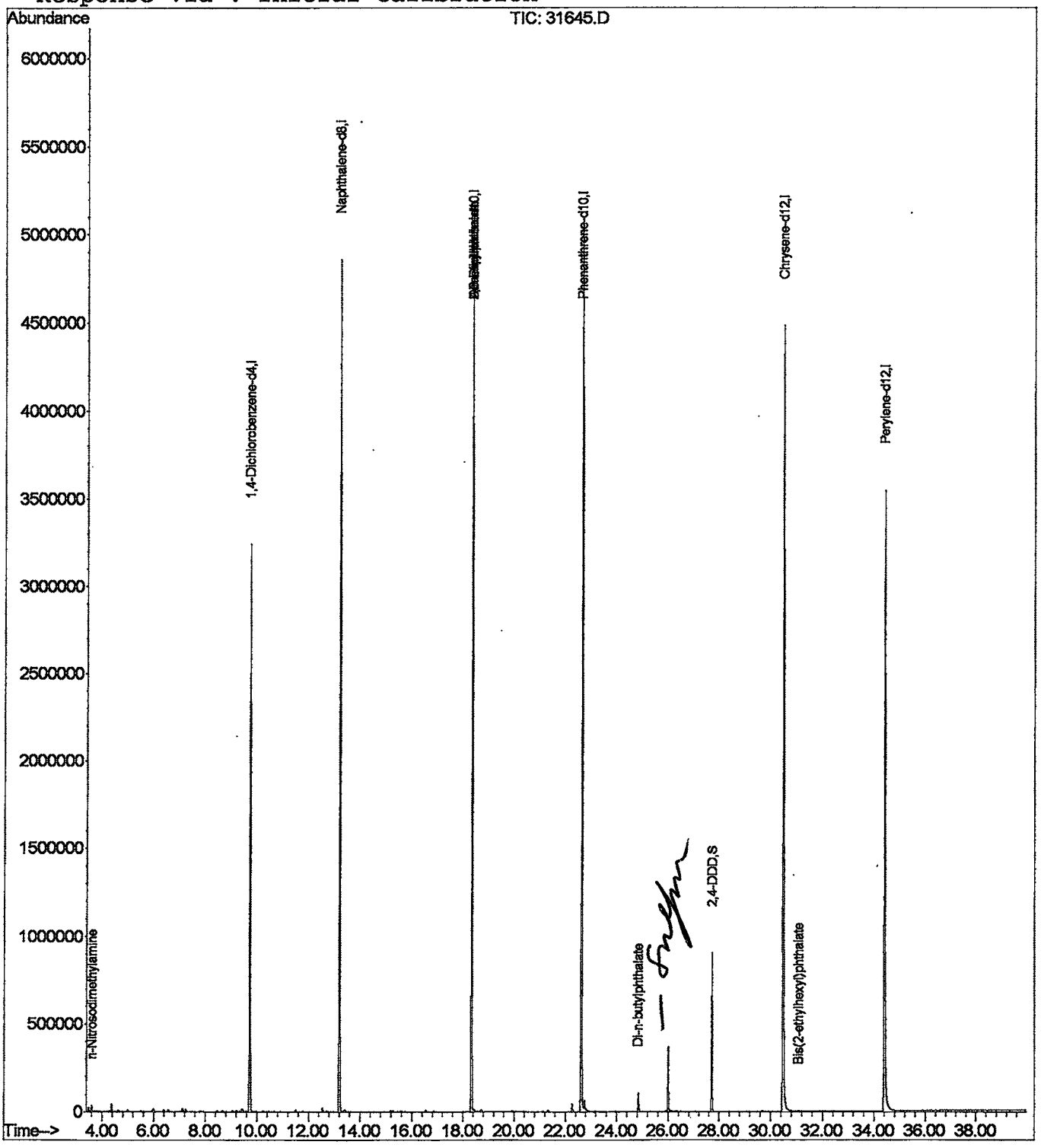
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1095870	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4706559	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2540367	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4327029	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3798668	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2737872	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	327353	4.79	ug/L	0.00
Spiked Amount 5.000			Recovery = 95.80%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	14321	0.31	ug/L #	13
20) Dimethylphthalate	18.34	163	406343	2.42	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	322258	9.85	ug/L #	17
35) Di-n-butylphthalate	24.85	149	115253	0.41	ug/L	94
42) Bis(2-ethylhexyl)phthalate	31.11	149	5682	0.58	ug/L #	44

(#) = qualifier out of range (m) = manual integration
31645.D SCAN508.M Tue Jan 22 15:30:24 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 15:30 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\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 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

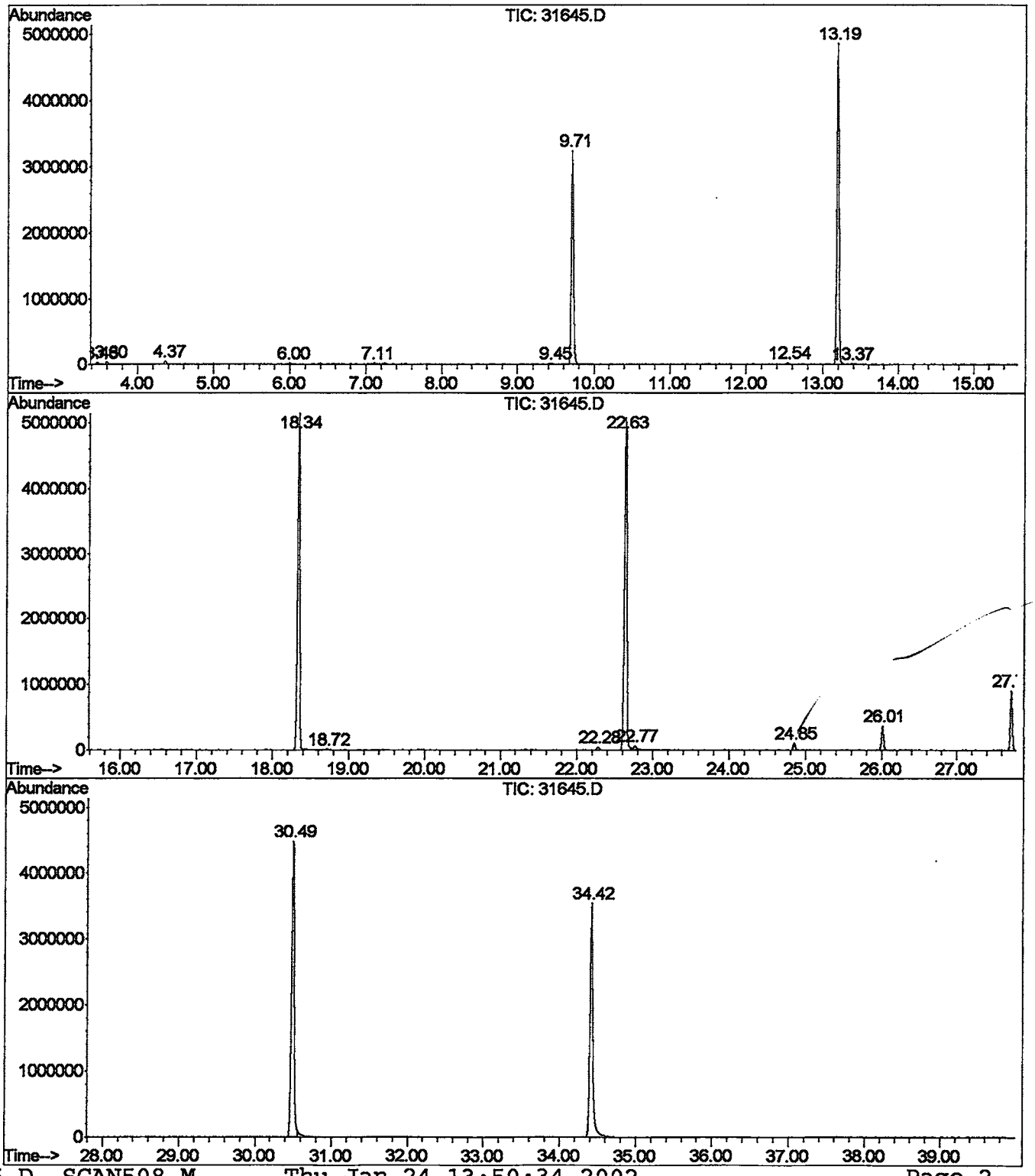
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.477	7	9	11	rBV	23343	32972	0.29%	0.054%
2	3.602	17	20	25	rBV	33136	57328	0.50%	0.095%
3	4.367	83	87	91	rVB	44394	77098	0.67%	0.127%
4	6.000	223	230	235	rBV2	17585	43345	0.38%	0.072%
5	7.107	325	327	335	rVB	17462	30464	0.27%	0.050%
6	9.448	525	532	535	rVV2	14806	49609	0.43%	0.082%
7	9.710	551	555	561	rBV	3237758	6260681	54.48%	10.328%
8	12.542	799	803	807	rBV	23933	38938	0.34%	0.064%
9	13.192	855	860	865	rBV	4856633	9077488	78.98%	14.974%
10	13.375	873	876	893	rVB3	10943	42520	0.37%	0.070%
11	18.341	1305	1311	1315	rBV	5141794	10329258	89.88%	17.039%
12	18.718	1341	1344	1349	rVB2	10836	29506	0.26%	0.049%
13	22.280	1651	1656	1661	rVB2	46589	83906	0.73%	0.138%
14	22.634	1681	1687	1693	rBV2	5073677	11492729	100.00%	18.959%
15	22.771	1695	1699	1713	rVB	62097	191029	1.66%	0.315%
16	24.849	1877	1881	1887	rVB	106080	186643	1.62%	0.308%
17	26.014	1977	1983	1989	rBV	367793	677403	5.89%	1.117%
18	27.726	2127	2133	2137	rBV	904749	1601463	13.93%	2.642%
19	30.489	2369	2375	2381	rBV	4480398	11087537	96.47%	18.290%
20	34.416	2713	2719	2747	rBV	3542649	9230188	80.31%	15.226%

Sum of corrected areas: 60620105

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN22\31645.D
Operator :
Acquired : 22 Jan 2002 12:12 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 22, 2002
Vial Number: 1
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

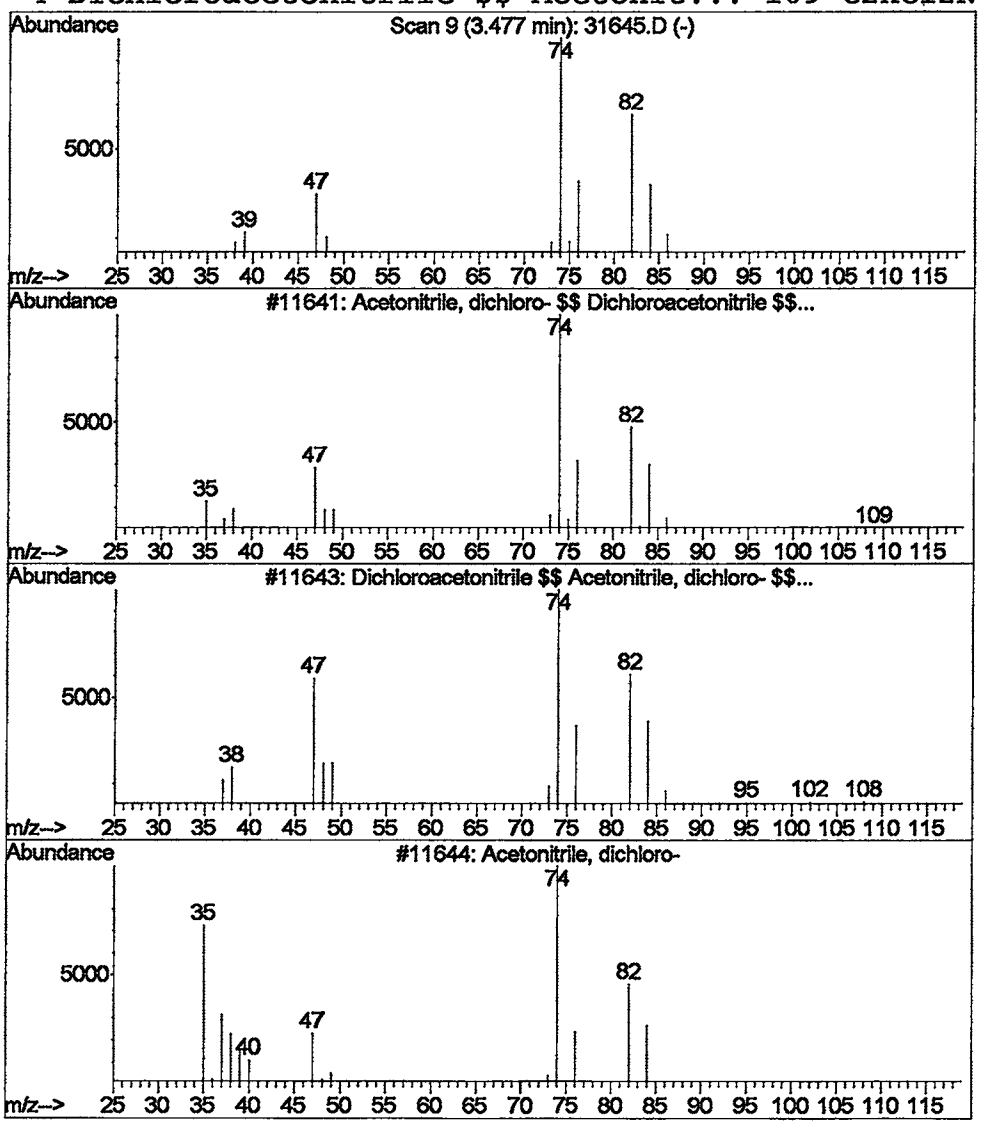
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

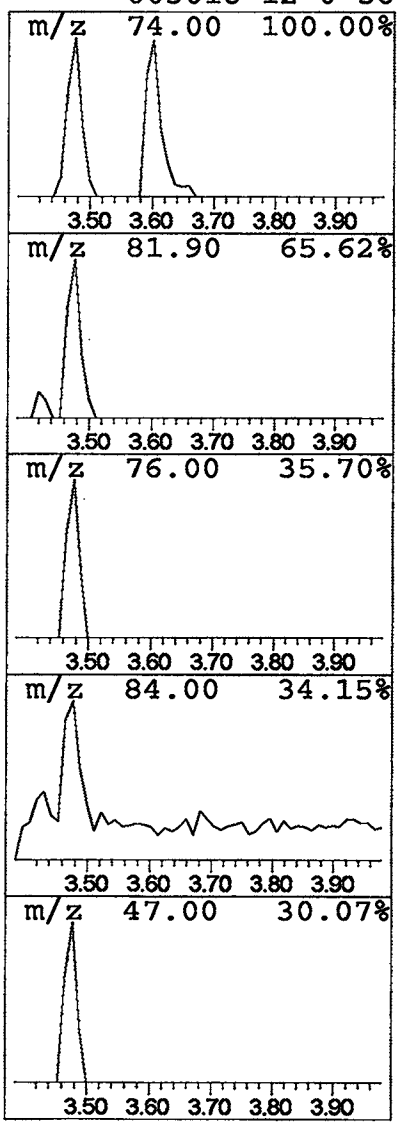
****

Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.11 ug/L	32972	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	83
2	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	74
3	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
4	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	56





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 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

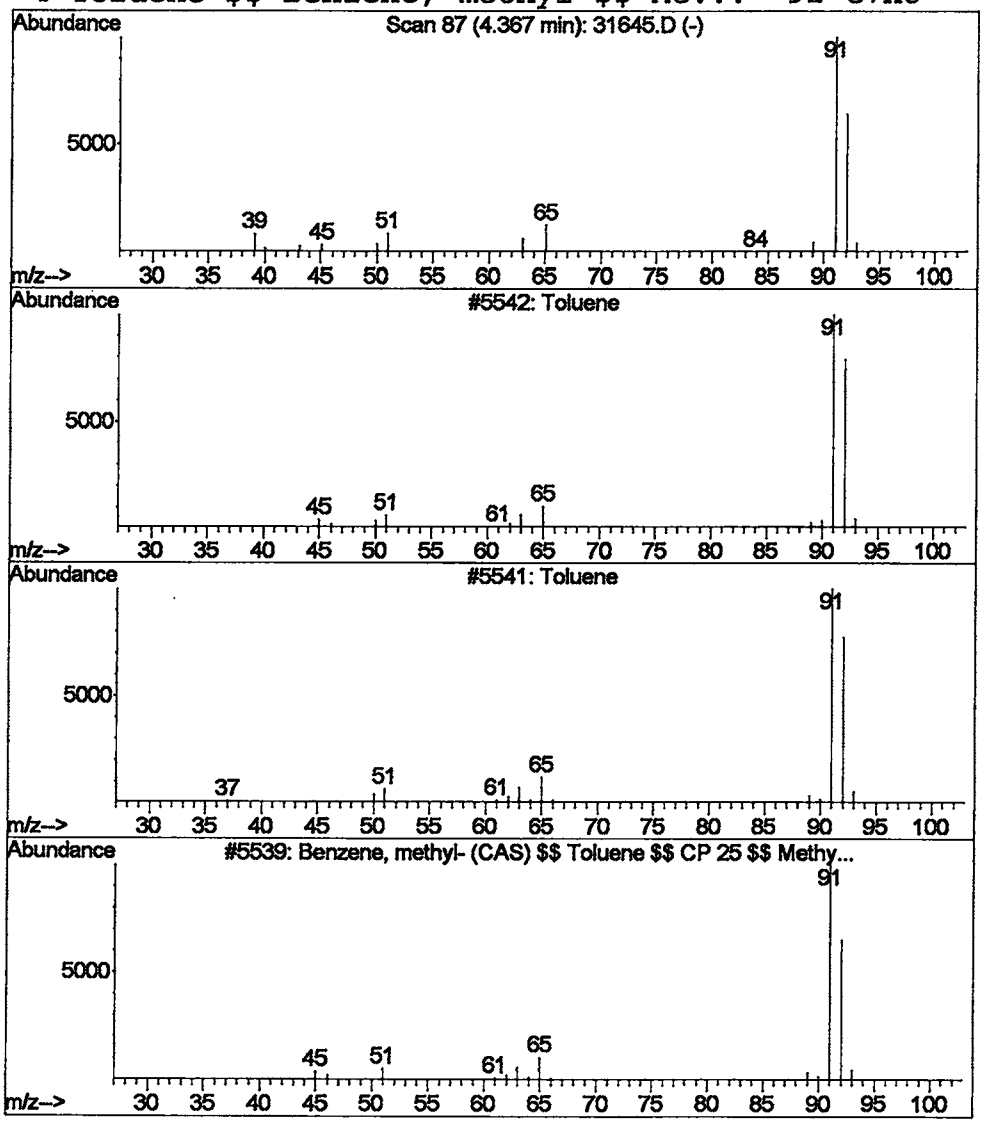
****

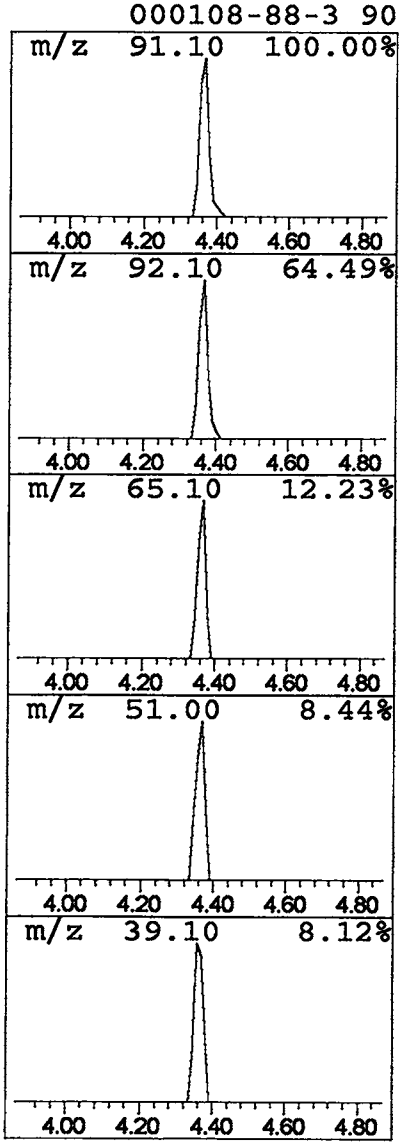
Peak Number 2 Toluene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	0.25 ug/L	77098	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	90
2	Toluene	92	C7H8	000108-88-3	90
3	Benzene, methyl- (CAS) $$ Toluen...	92	C7H8	000108-88-3	90
4	Toluene $$ Benzene, methyl $$ Me...	92	C7H8	000108-88-3	90

SEQ 1 LB





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

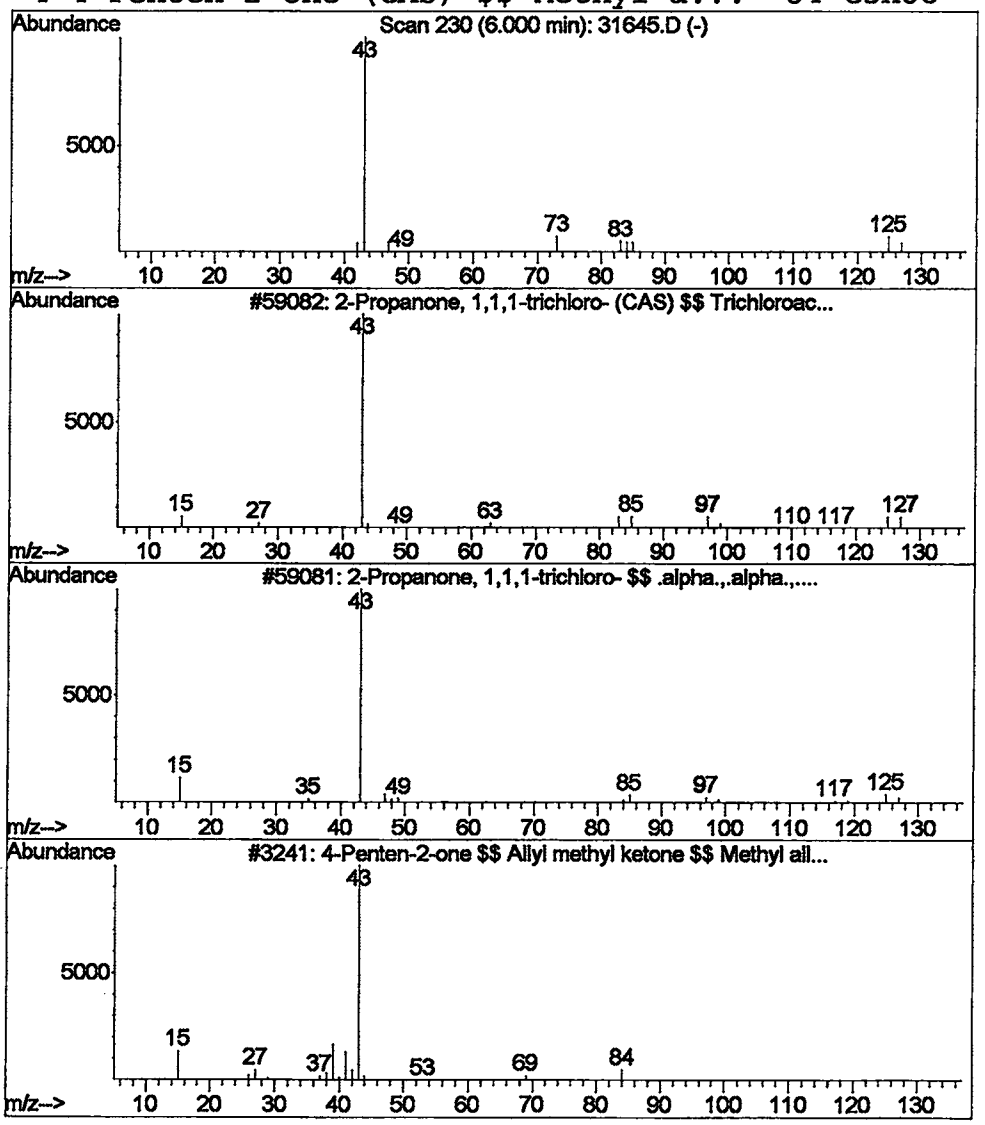
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

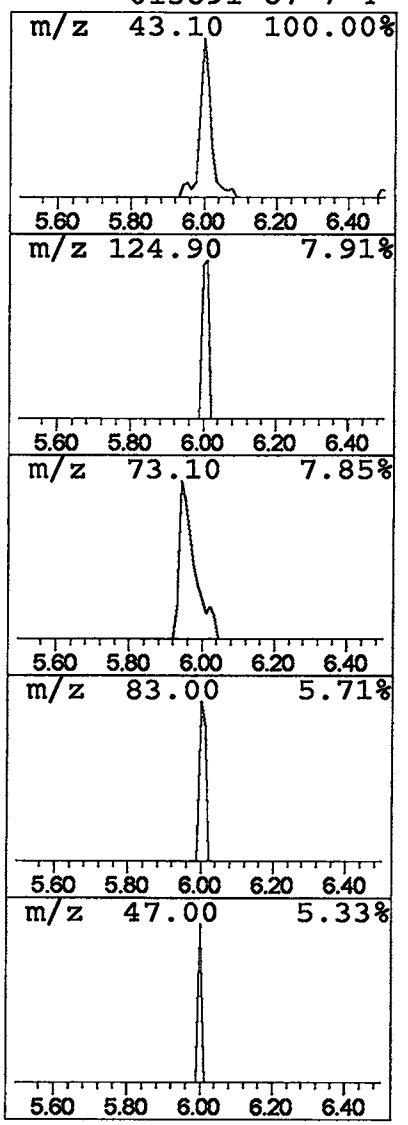
****

Peak Number 3 2-Propanone, 1,1,1-trichlor... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.14 ug/L	43345	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	9
2	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	9
3	4-Penten-2-one $$ Allyl methyl k...	84	C5H8O	013891-87-7	4
4	4-Penten-2-one (CAS) $$ Methyl a...	84	C5H8O	013891-87-7	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

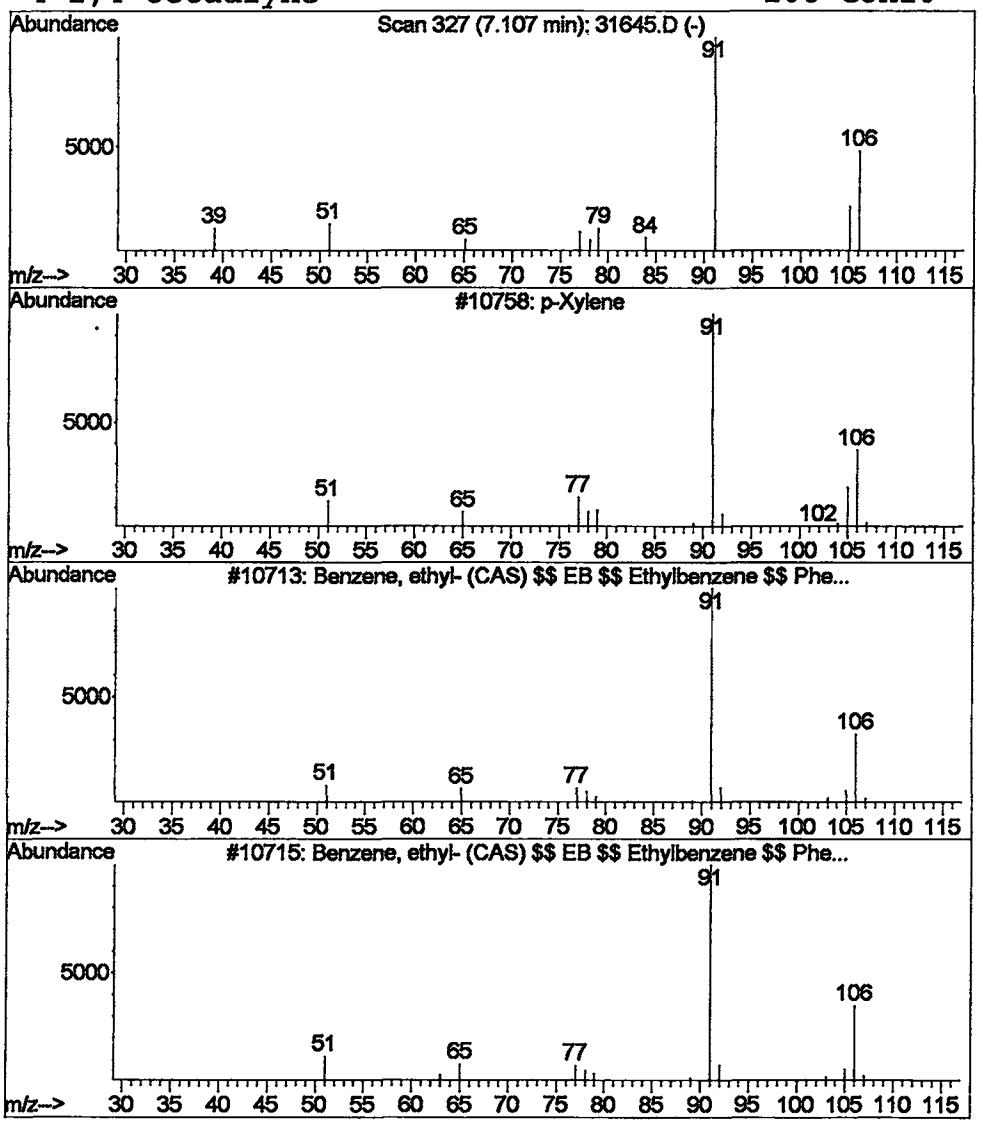
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

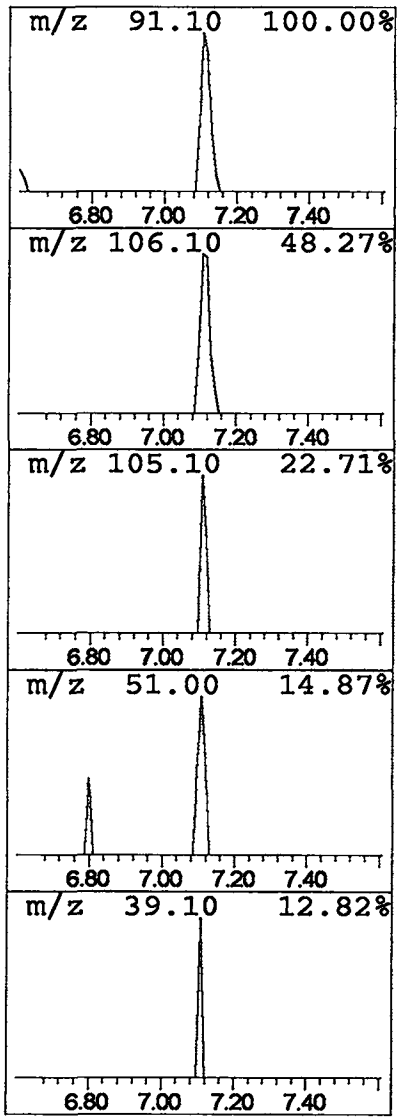
****

Peak Number 4 p-Xylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	0.10 ug/L	30464	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	83
2	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	64
3	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	64
4	2,4-Octadiyne	106	C8H10	002809-71-4	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

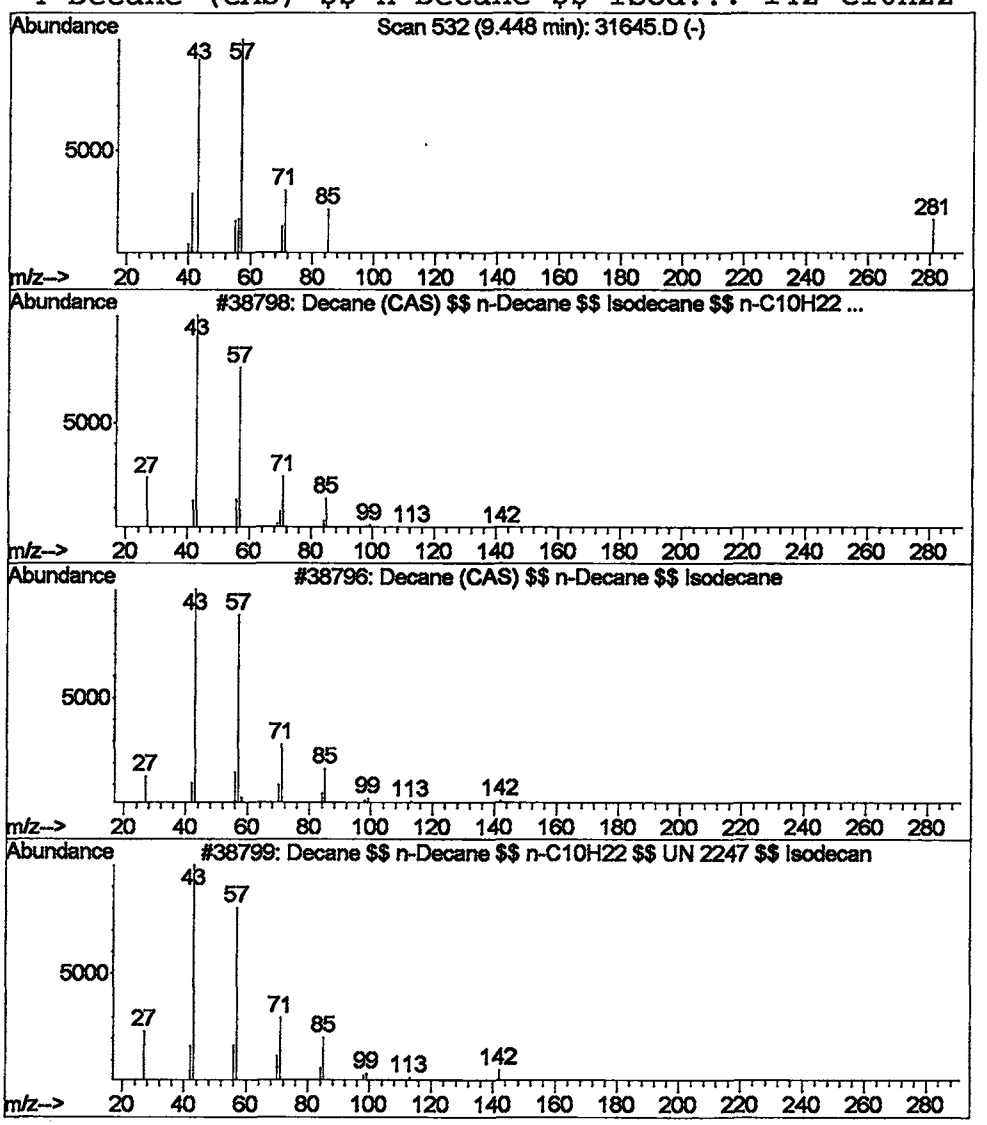
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

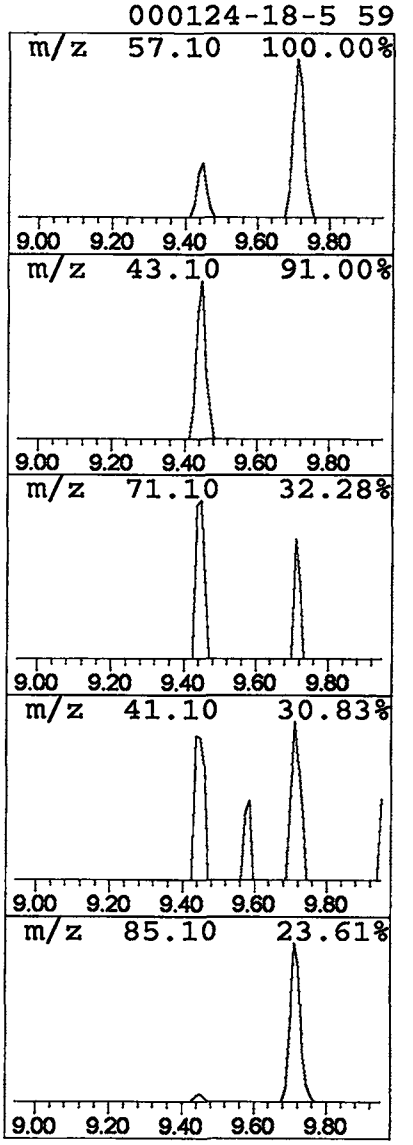
****

Peak Number 5 Decane (CAS) $$ n-Decane $$... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	0.16 ug/L	49609	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane (CAS) $$ n-Decane $$ Isod...	142	C10H22	000124-18-5	59
2	Decane (CAS) $$ n-Decane $$ Isod...	142	C10H22	000124-18-5	59
3	Decane $$ n-Decane $$ n-C10H22 $...	142	C10H22	000124-18-5	59
4	Decane (CAS) $$ n-Decane $$ Isod...	142	C10H22	000124-18-5	59





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

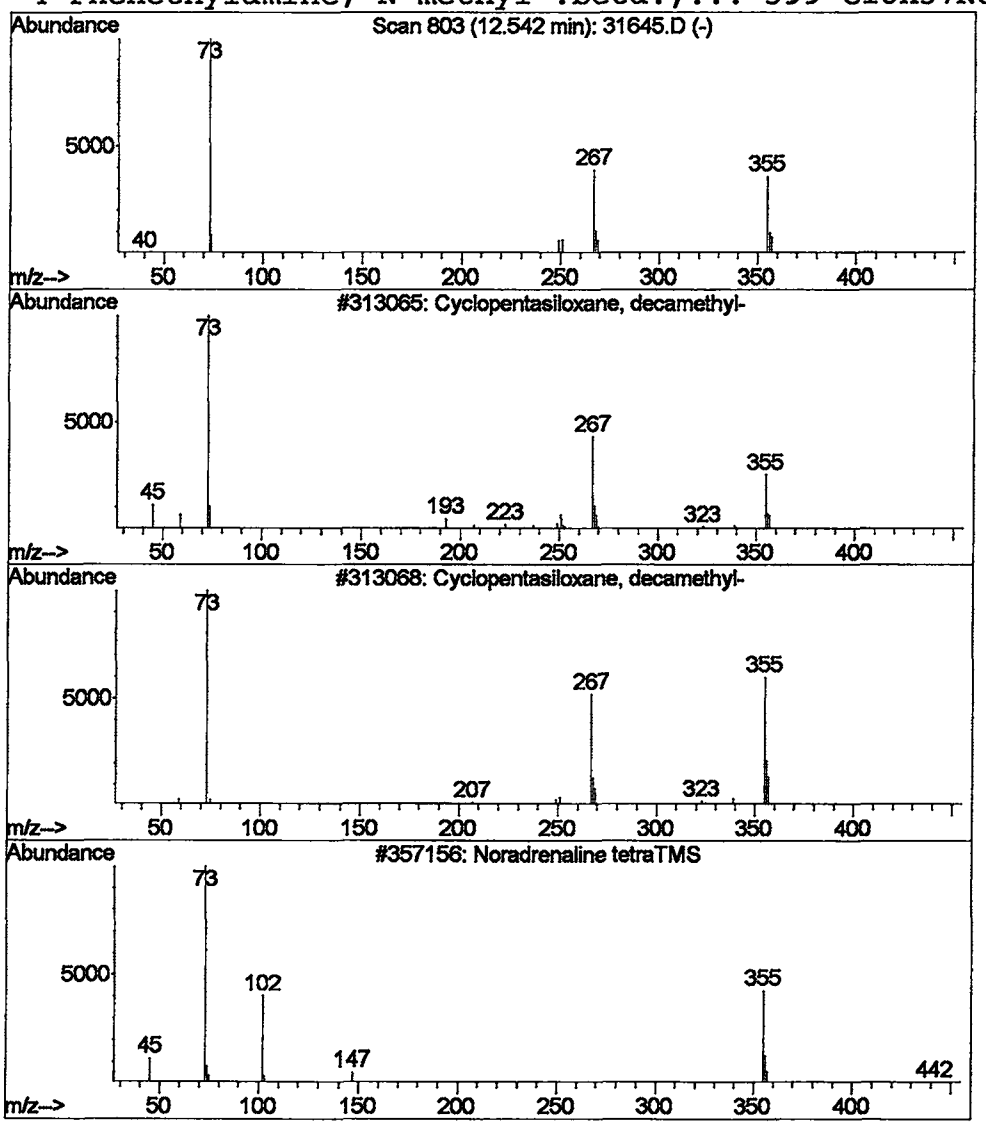
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

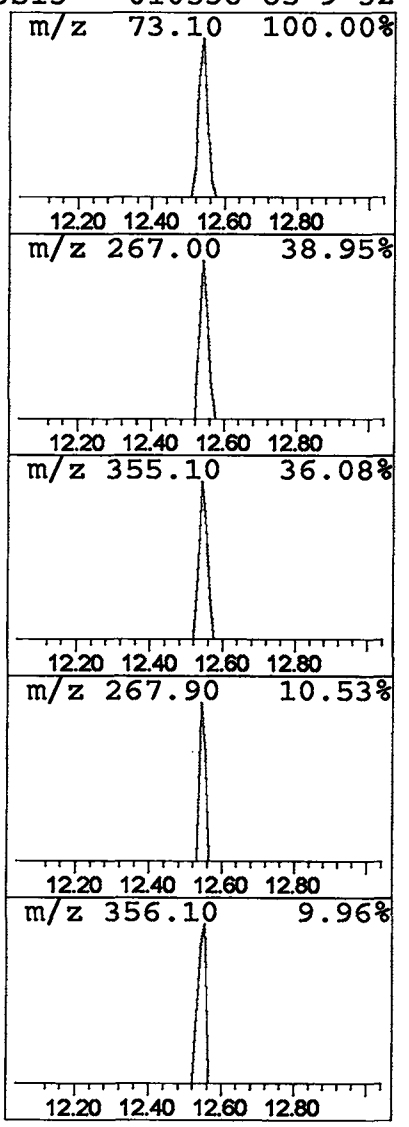
****

Peak Number 6 Cyclopentasiloxane, decamet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.09 ug/L	38938	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	83
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	83
3	Noradrenaline tetraTMS	457	C20H43NO3Si4	068595-65-3	32
4	Phenethylamine, N-methyl-.beta.,...	399	C18H37NO3Si3	010538-85-9	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 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

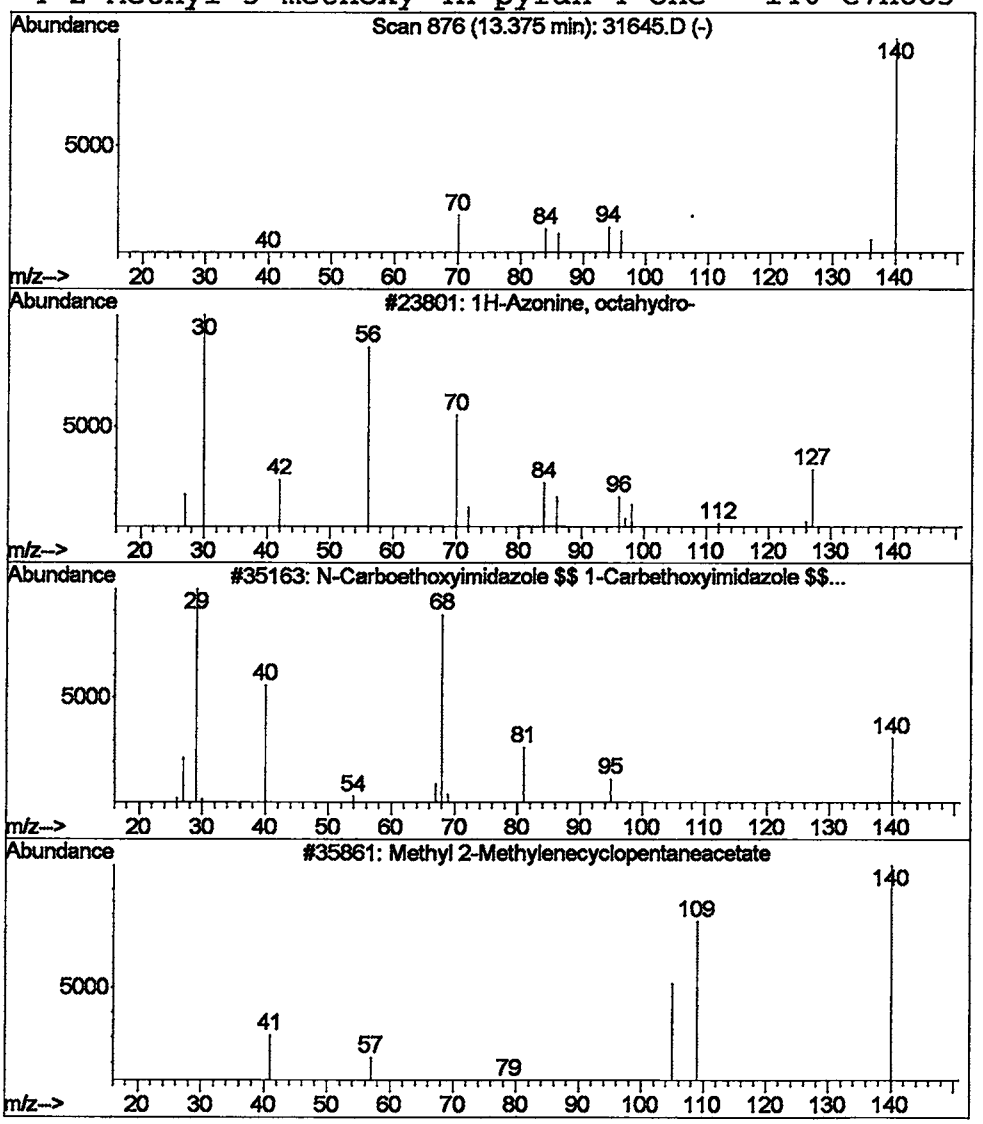
****

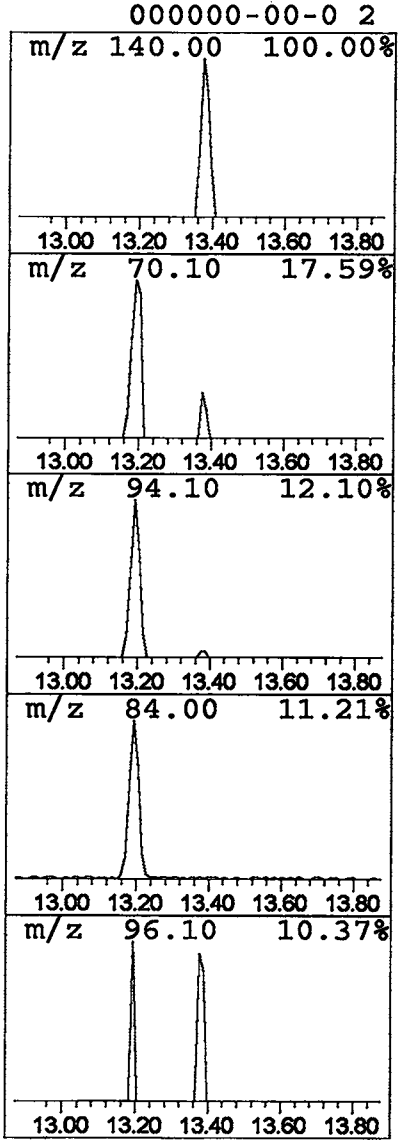
Peak Number 7 1H-Azonine, octahydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.09 ug/L	42520	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Azonine, octahydro-	127	C8H17N	005661-71-2	4
2	N-Carboethoxyimidazole $$ 1-Carb...	140	C6H8N2O2	019213-72-0	3
3	Methyl 2-Methylenecyclopentaneac...	140	C8H12O2	000000-00-0	2
4	2-Methyl-3-methoxy-4H-pyran-4-one	140	C7H8O3	000000-00-0	2

NO GOOD MATCH





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

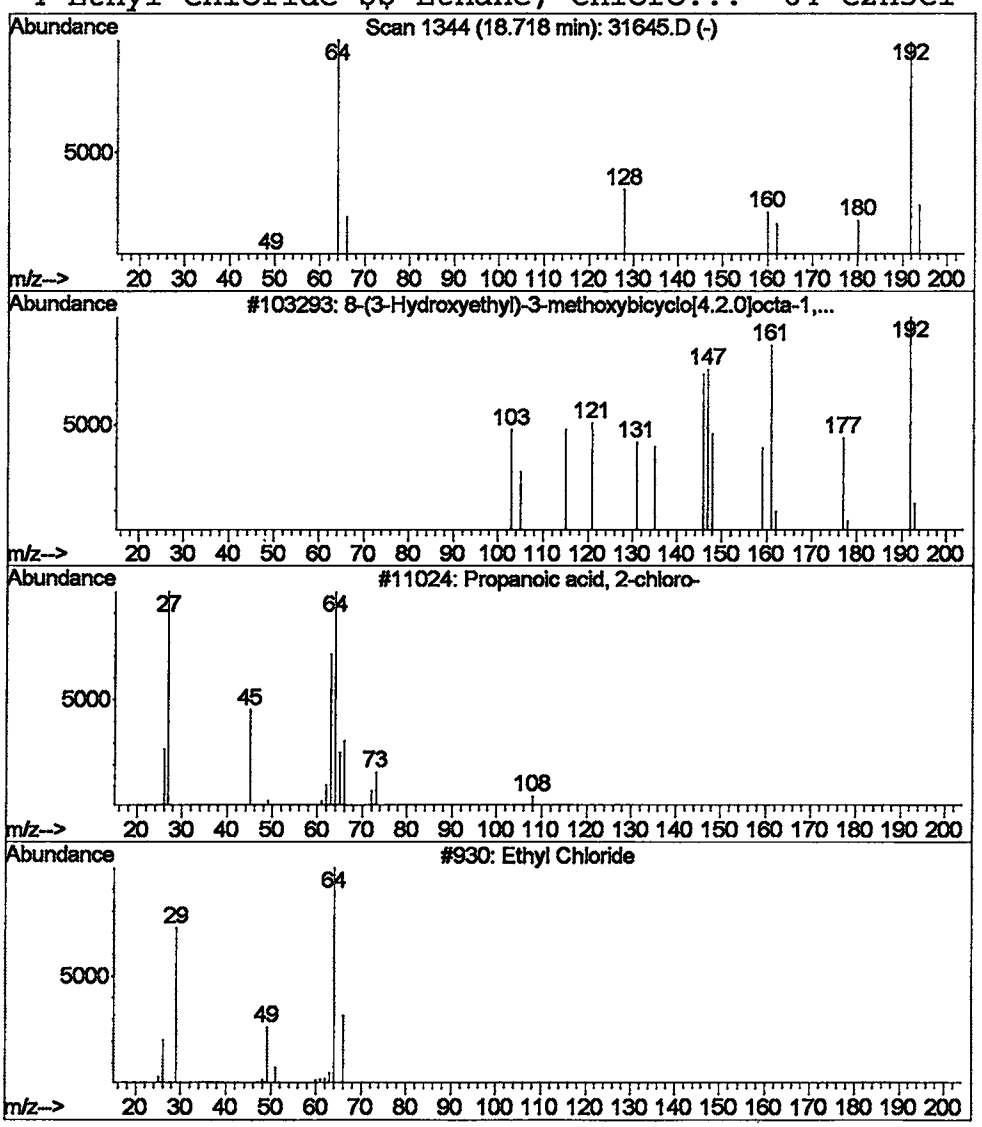
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

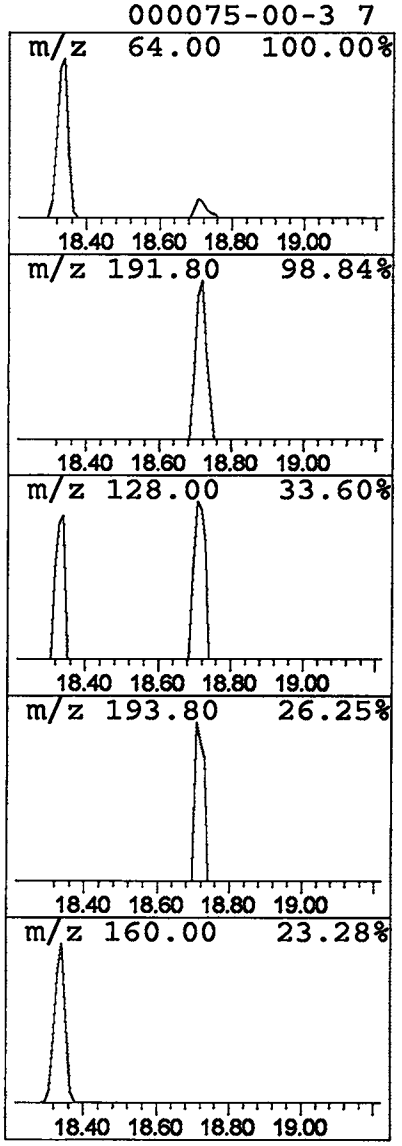
****

Peak Number 8 8-(3-Hydroxyethyl)-3-methox... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	0.06 ug/L	29506	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-(3-Hydroxyethyl)-3-methoxybicy...	192	C12H16O2	000000-00-0	9
2	Propanoic acid, 2-chloro-	108	C3H5ClO2	000598-78-7	9
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	7
4	Ethyl Chloride $$ Ethane, chloro...	64	C2H5Cl	000075-00-3	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

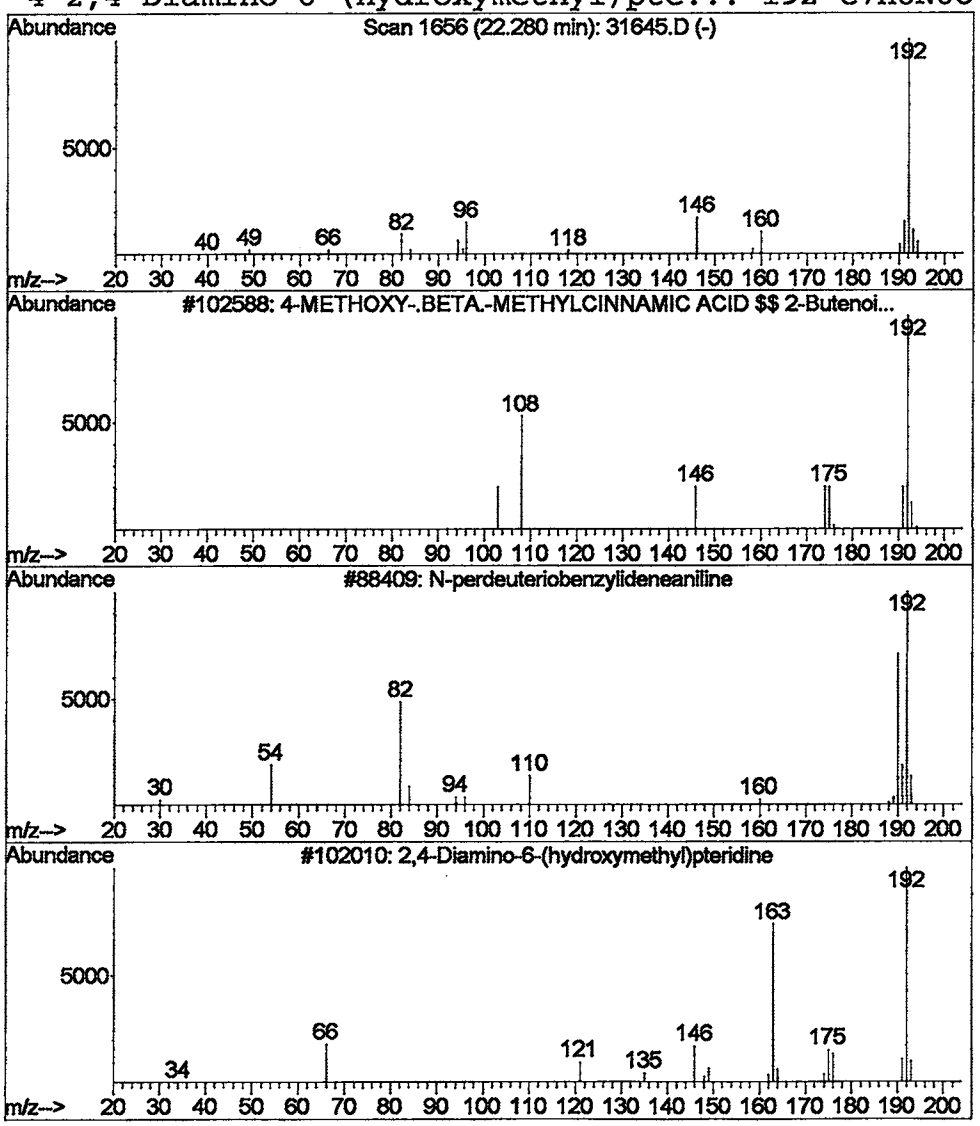
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

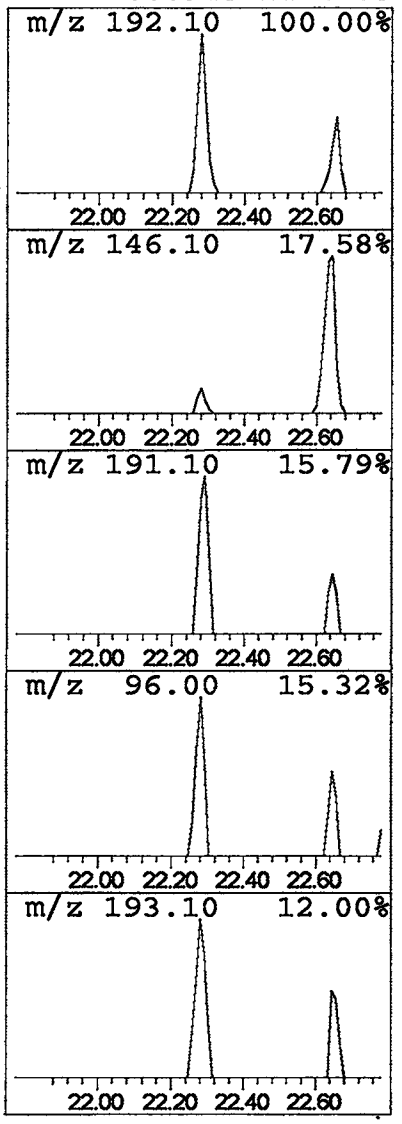
****

Peak Number 9 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	83906	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	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	53
4	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

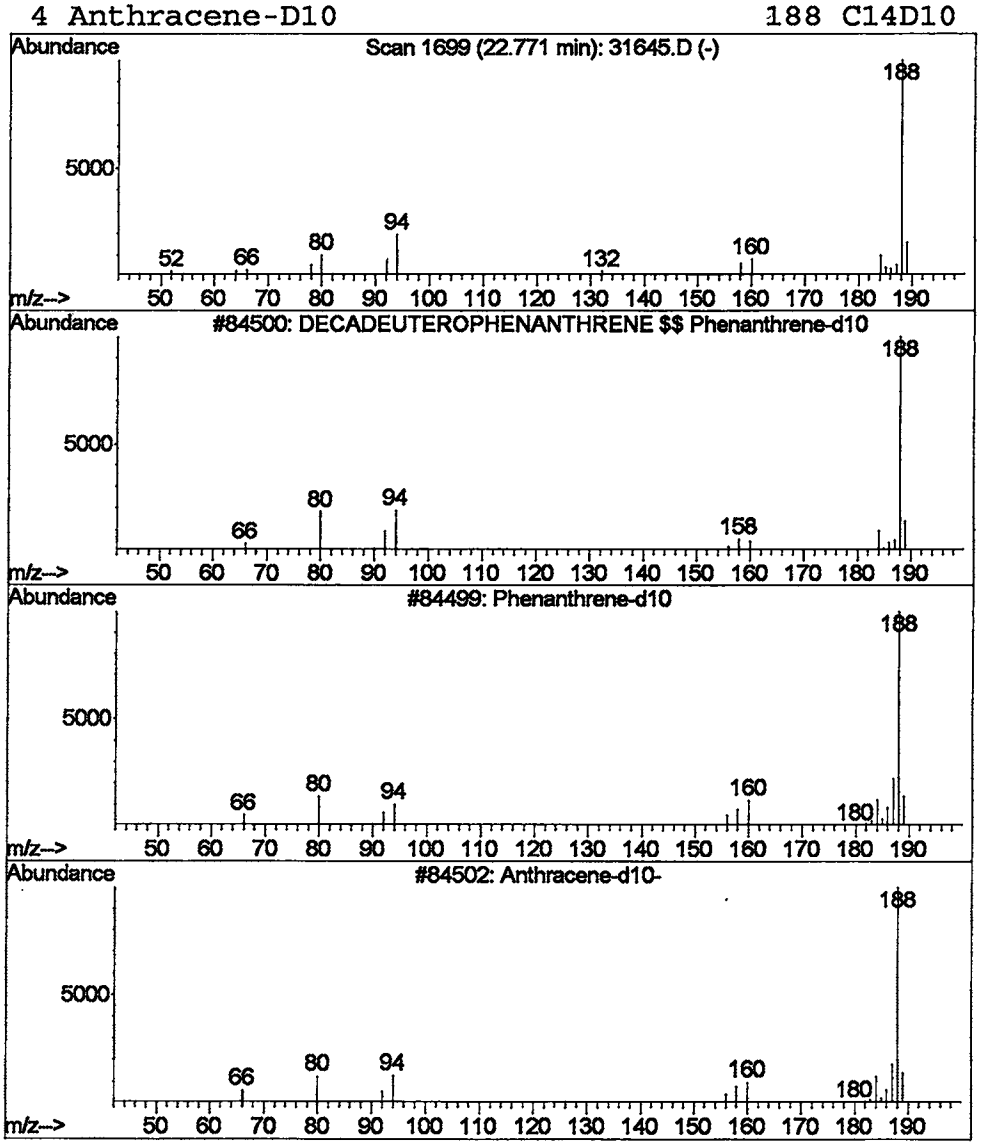
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

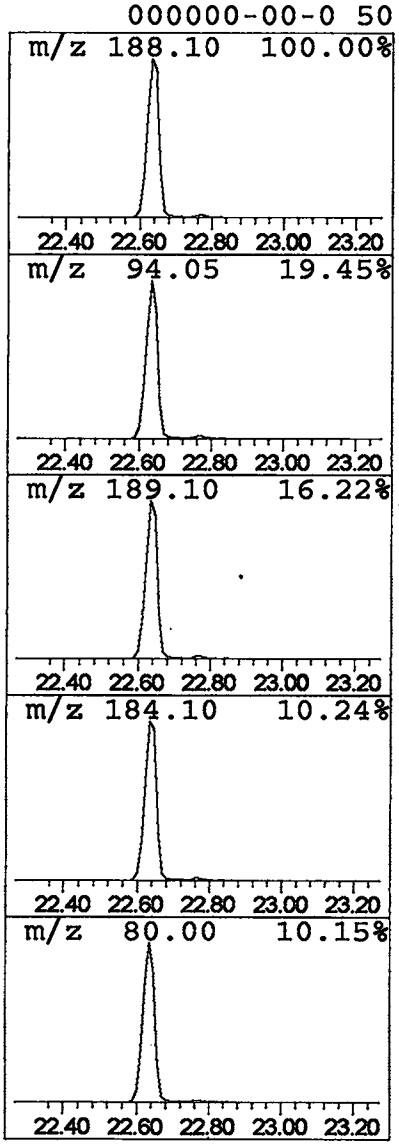
****

Peak Number 10 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.33 ug/L	191029	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	90
2	Phenanthrene-d10	188	C14D10	001517-22-2	72
3	Anthracene-d10-	188	C14D10	001719-06-8	64
4	Anthracene-D10	188	C14D10	000000-00-0	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31645.D Vial: 1
Acq On : 22 Jan 2002 12:12 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

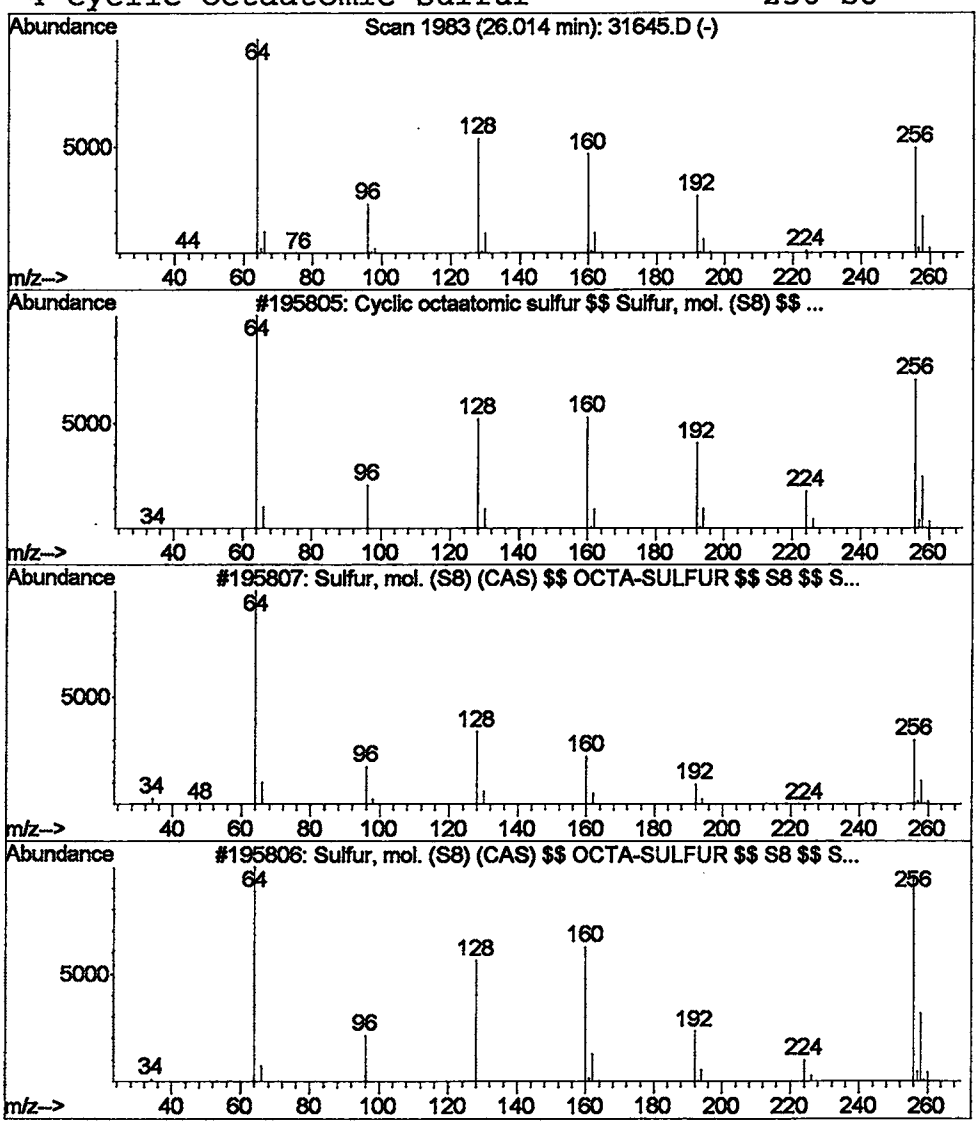
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

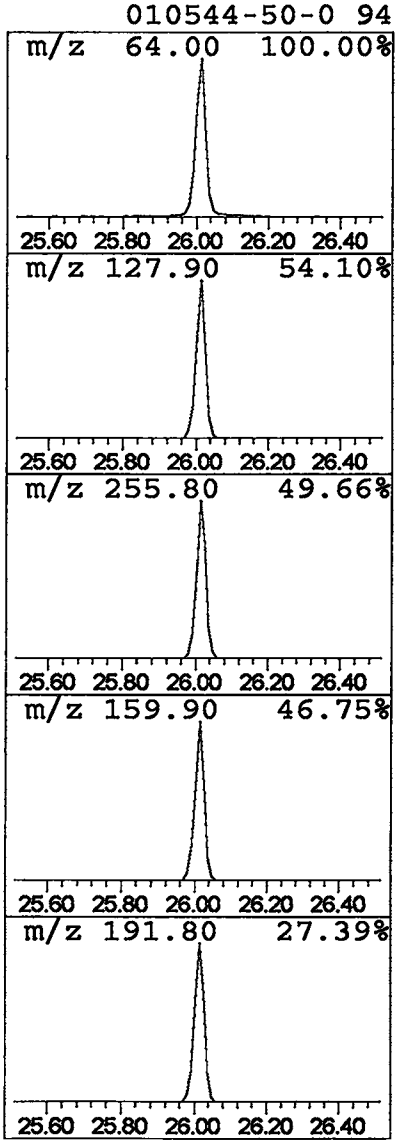
****

Peak Number 11 Cyclic octaatomic sulfur $$... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.01	1.18 ug/L	677403	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur $$ Sulf...	256	S8	010544-50-0	95
2	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	95
3	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	95
4	Cyclic octaatomic sulfur	256	S8	010544-50-0	94





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 22 Jan 2002 12:12 pm
Data File: C:\MSDCHEM\1\5973N\02JAN22\31645.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
Acetonitrile, dic...	3.48	0.1	ug/L	32972	1	9.71	6260680	20.0
Toluene	4.37	0.2	ug/L	77098	1	9.71	6260680	20.0
2-Propanone, 1,1,...	6.00	0.1	ug/L	43345	1	9.71	6260680	20.0
p-Xylene	7.11	0.1	ug/L	30464	1	9.71	6260680	20.0
Decane (CAS) $$ n...	9.45	0.2	ug/L	49609	1	9.71	6260680	20.0
Cyclopentasiloxan...	12.54	0.1	ug/L	38938	2	13.19	9077490	20.0
1H-Azonine, octah...	13.38	0.1	ug/L	42520	2	13.19	9077490	20.0
8-(3-Hydroxyethyl...	18.72	0.1	ug/L	29506	3	18.34	10329300	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	83906	4	22.63	11492700	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	191029	4	22.63	11492700	20.0
Cyclic octaatomic...	26.01	1.2	ug/L	677403	4	22.63	11492700	20.0