User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/17/2002 Time: 14:54:22

Sample: AE00365
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/17/02 14:53 Ended: 1/17/02 14:53 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		98		5.0

Comments for Sample AE00365 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-17-2002 Time: 15:01:30

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 8 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D Vial: 3
Acq On : 15 Jan 2002 11:52 am Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 15:51:48 2002 Quant Results File: SCAN508.RES

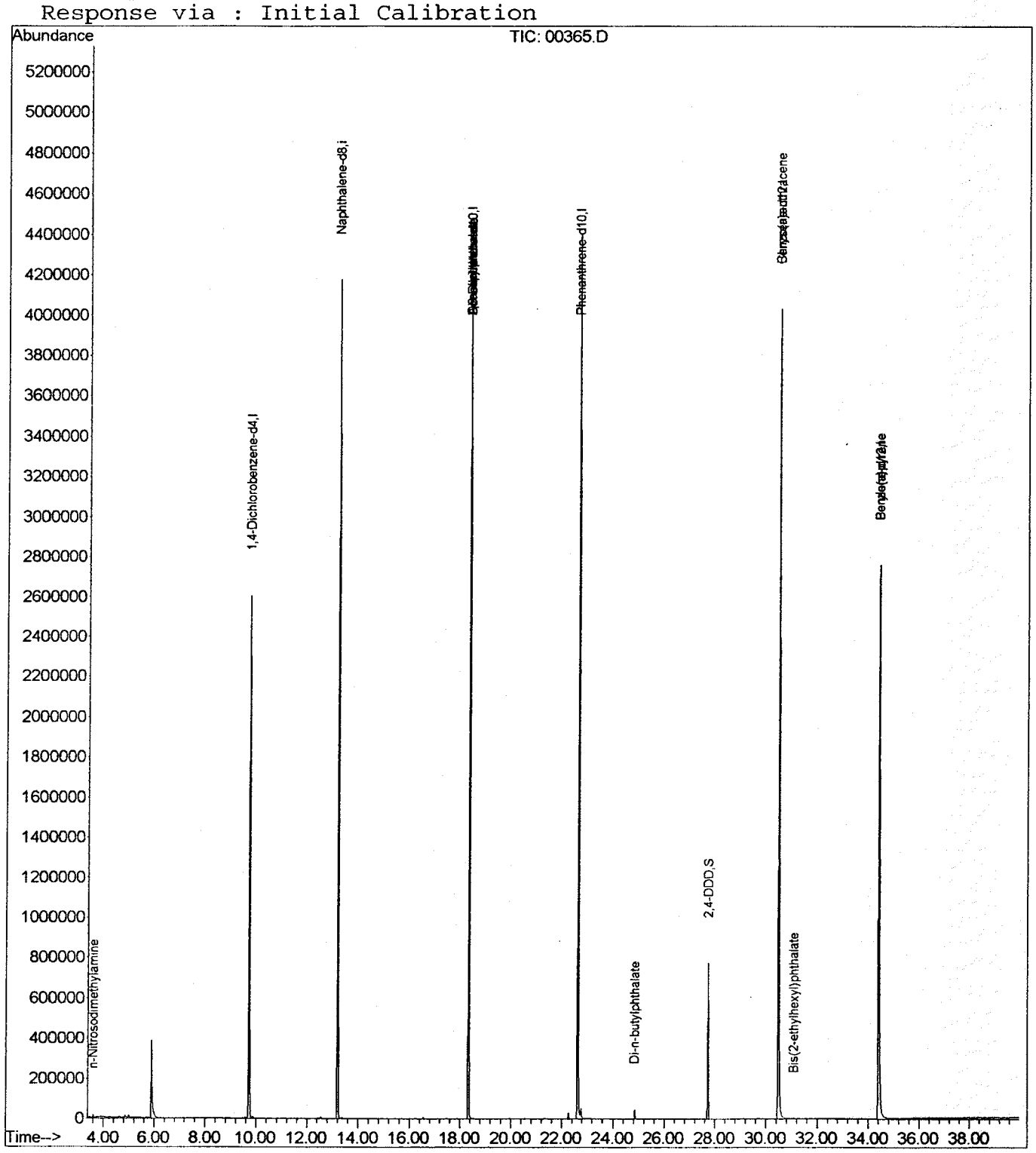
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	965355	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4083466	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2113368	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	3608493	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3137970	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2187136	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	280254	4.91	ug/L	0.00
Spiked Amount 5.000			Recovery =	98.20%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	7170	0.17	ug/L #	15
20) Dimethylphthalate	18.34	163	337839	2.42	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	273192	10.04	ug/L #	17
35) Di-n-butylphthalate	24.85	149	58644	0.25	ug/L	99
41) Benzo(a)anthracene	30.49	228	9059	0.05	ug/L #	52
42) Bis(2-ethylhexyl)phthalate	31.11	149	5097	0.58	ug/L #	53
43) Chrysene	30.49	228	9059	0.05	ug/L #	50
48) Benzo(a)pyrene	34.42	252	8593	0.06	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00365.D SCAN508.M Tue Jan 15 15:51:48 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D Vial: 3
Acq On : 15 Jan 2002 11:52 am Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 15:51 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



Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D Vial: 3
Acq On : 15 Jan 2002 11:52 am Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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

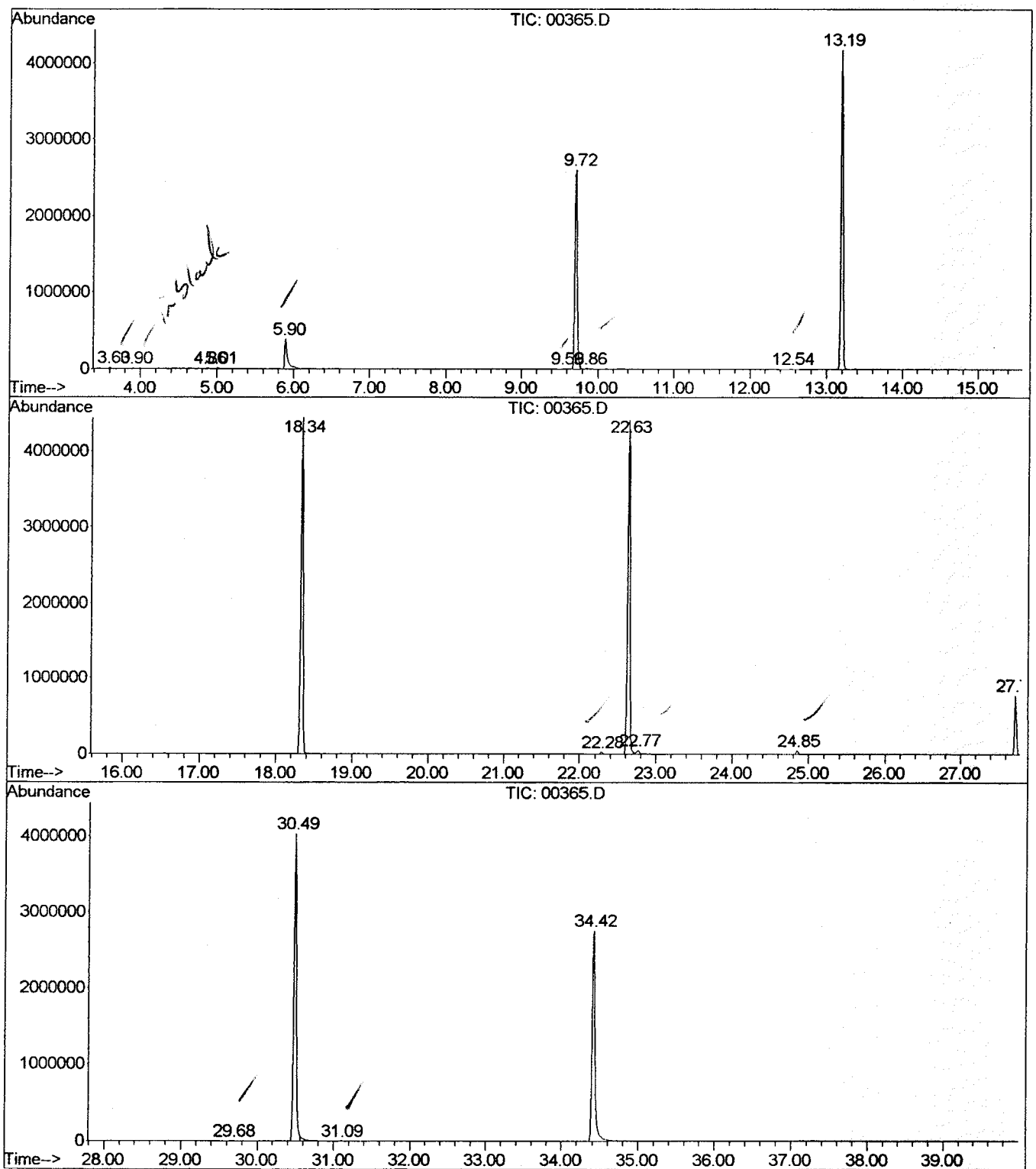
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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	18706	29037	0.30%	0.057%
2	3.899	43	46	51	rVB2	7509	15986	0.17%	0.031%
3	4.858	127	130	139	rVB5	10571	30240	0.32%	0.059%
4	5.006	139	143	149	rVB2	13822	26681	0.28%	0.052%
5	5.897	217	221	247	rVB	389005	1031372	10.83%	2.029%
6	9.562	539	542	547	rVV3	7453	20005	0.21%	0.039%
7	9.721	551	556	563	rVV	2605283	5473631	57.49%	10.766%
8	9.858	563	568	579	rVB	9353	30607	0.32%	0.060%
9	12.541	801	803	807	rVV	9868	17969	0.19%	0.035%
10	13.192	855	860	865	rBV	4175827	7834466	82.28%	15.410%
11	18.341	1305	1311	1315	rBV	4441423	8617432	90.50%	16.950%
12	22.280	1653	1656	1661	rBV2	30990	58129	0.61%	0.114%
13	22.634	1681	1687	1693	rBV2	4401032	9521619	100.00%	18.729%
14	22.771	1695	1699	1719	rVB	52669	154839	1.63%	0.305%
15	24.849	1877	1881	1887	rBV	48479	81227	0.85%	0.160%
16	27.726	2127	2133	2139	rBV	774738	1361557	14.30%	2.678%
17	29.678	2299	2304	2313	rVB2	4943	13979	0.15%	0.027%
18	30.489	2369	2375	2381	rBV2	4031312	9084584	95.41%	17.869%
19	31.094	2421	2428	2443	rBV3	4895	29160	0.31%	0.057%
20	34.416	2713	2719	2741	rBV	2758317	7407526	77.80%	14.570%

Sum of corrected areas: 50840046

File : C:\MSDCHEM\1\5973N\02JAN15\00365.D
Operator :
Acquired : 15 Jan 2002 11:52 am using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 15, 2002
Vial Number: 3
Quant File :SCAN508.RES (RTE Integrator)



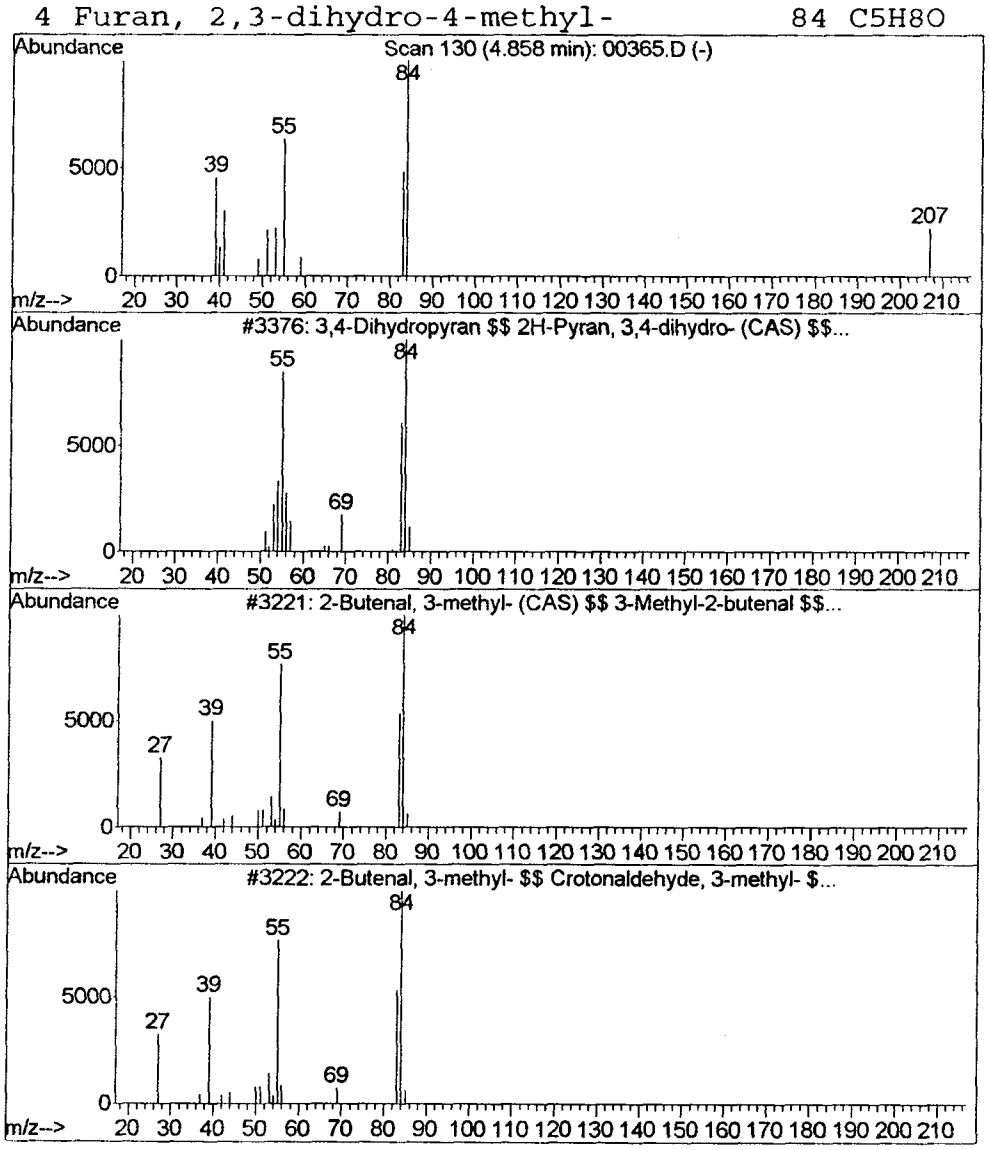
```
Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D          Vial: 3
Acq On    : 15 Jan 2002  11:52 am                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 2002                         Multiplr: 1.00
MS Integration Params: LSCINT.P

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

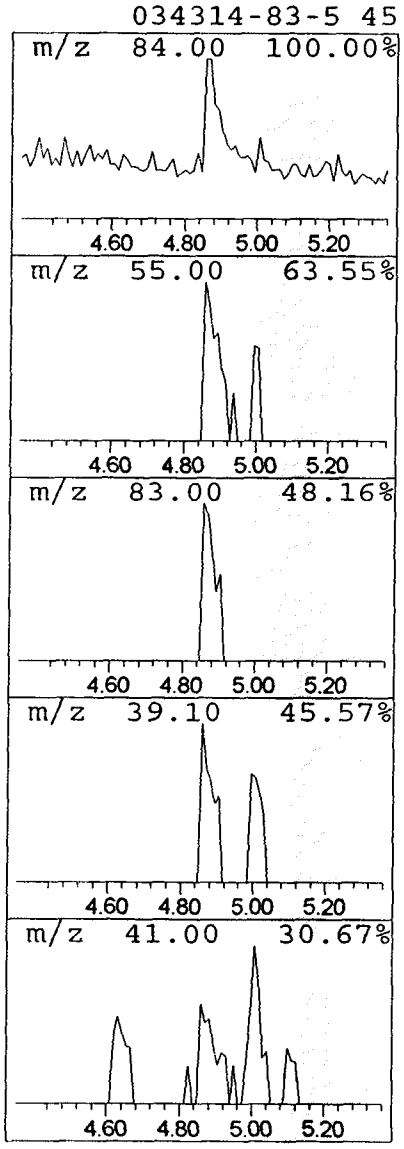
****

Peak Number 1 3,4-Dihydropyran $$ 2H-Pyra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	0.11 ug/L	30240	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	53
3	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	53
4	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	45





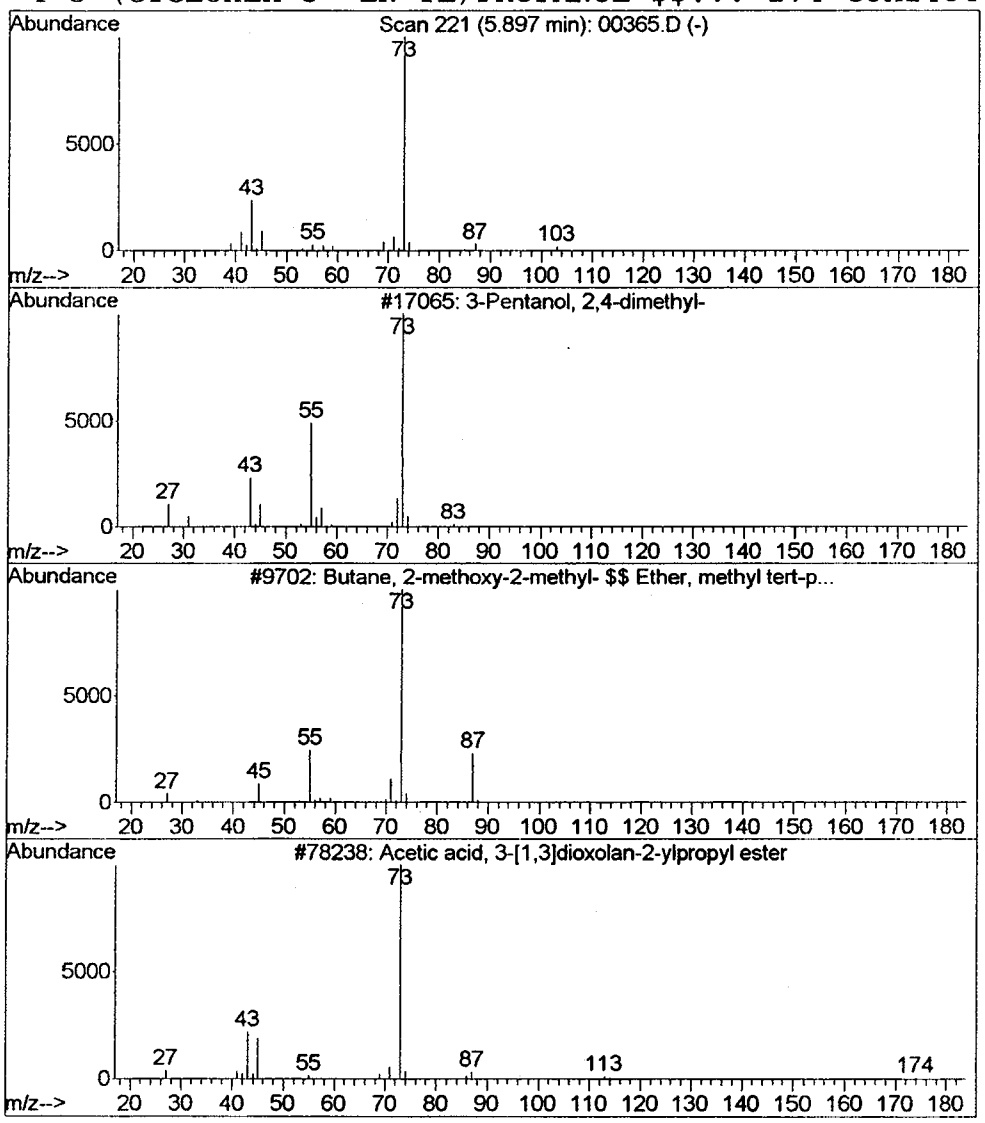
```
Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D          Vial: 3
Acq On    : 15 Jan 2002  11:52 am                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 2002                         Multiplr: 1.00
MS Integration Params: LSCINT.P

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

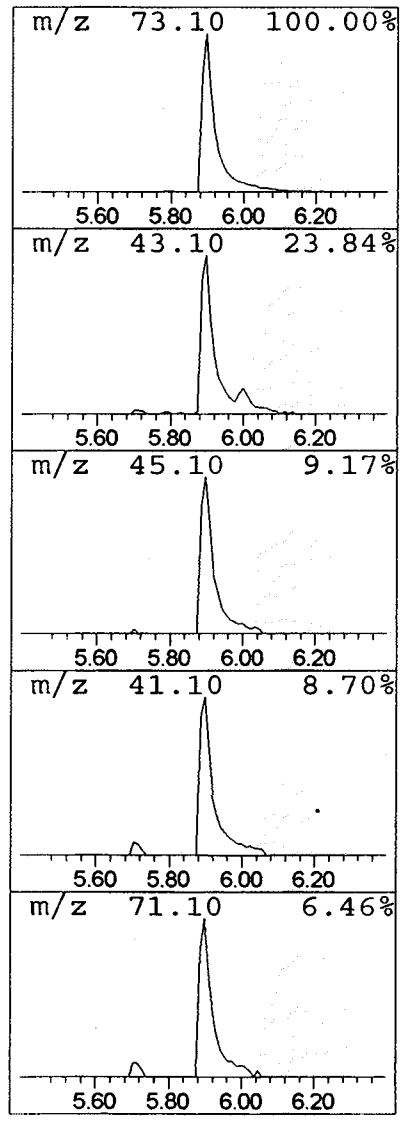
****

Peak Number 2 3-Pentanol, 2,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	3.77 ug/L	1031370	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	36
2	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	36
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
4	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33





Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D Vial: 3
Acq On : 15 Jan 2002 11:52 am Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

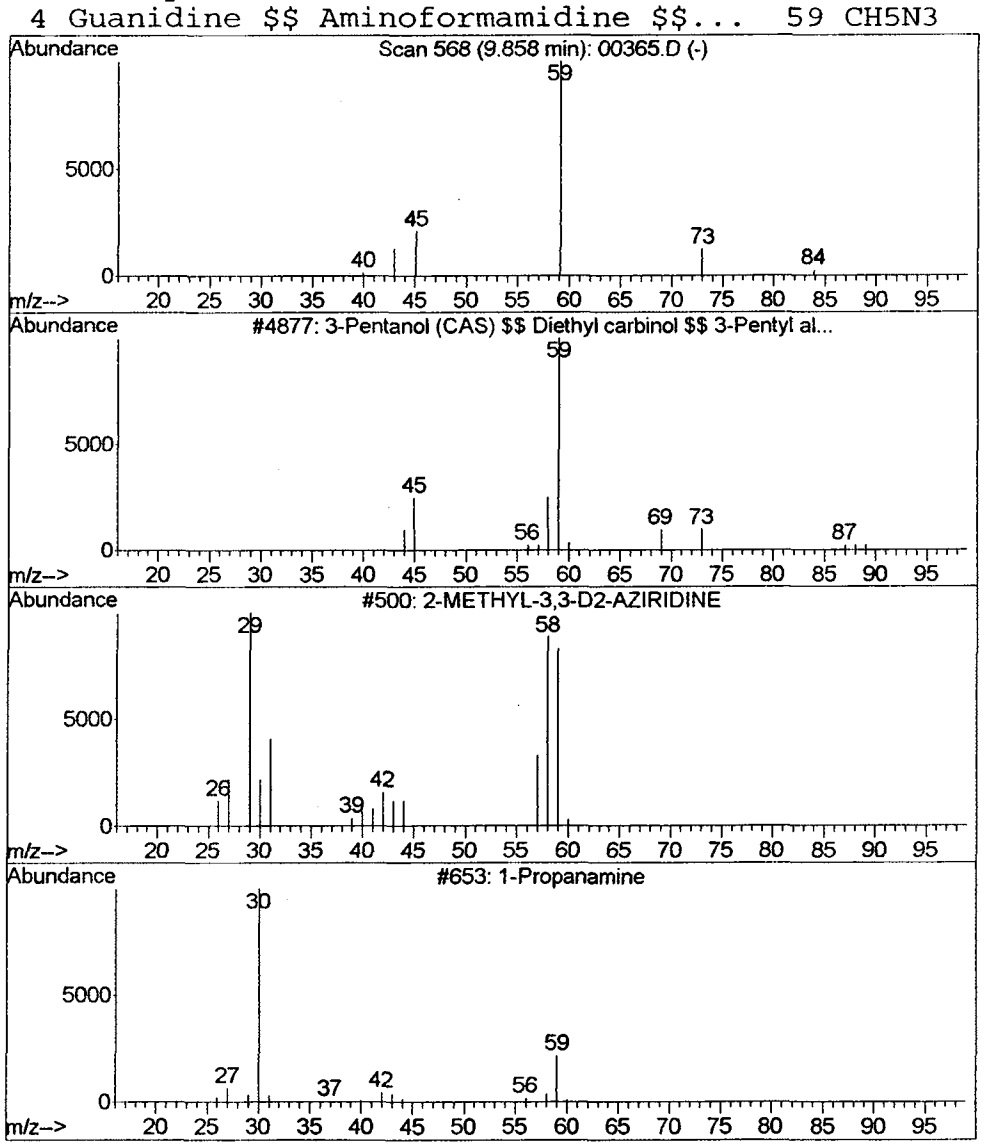
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

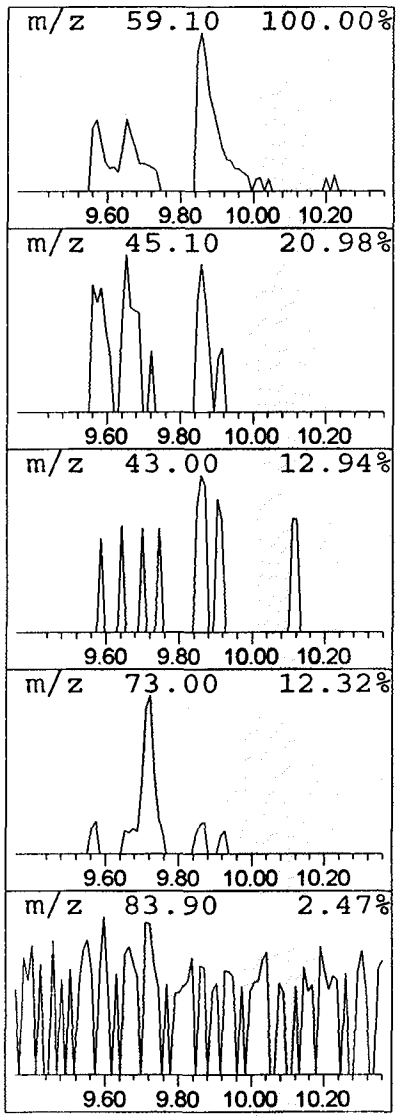
****

Peak Number 3 3-Pentanol (CAS) $$ Diethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	0.11 ug/L	30607	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol (CAS) $$ Diethyl carb...	88	C5H12O	000584-02-1	4
2	2-METHYL-3,3-D2-AZIRIDINE	59	C3H5D2N	030691-55-5	3
3	1-Propanamine	59	C3H9N	000107-10-8	3
4	Guanidine $$ Aminoformamidine $$...	59	CH5N3	000113-00-8	3





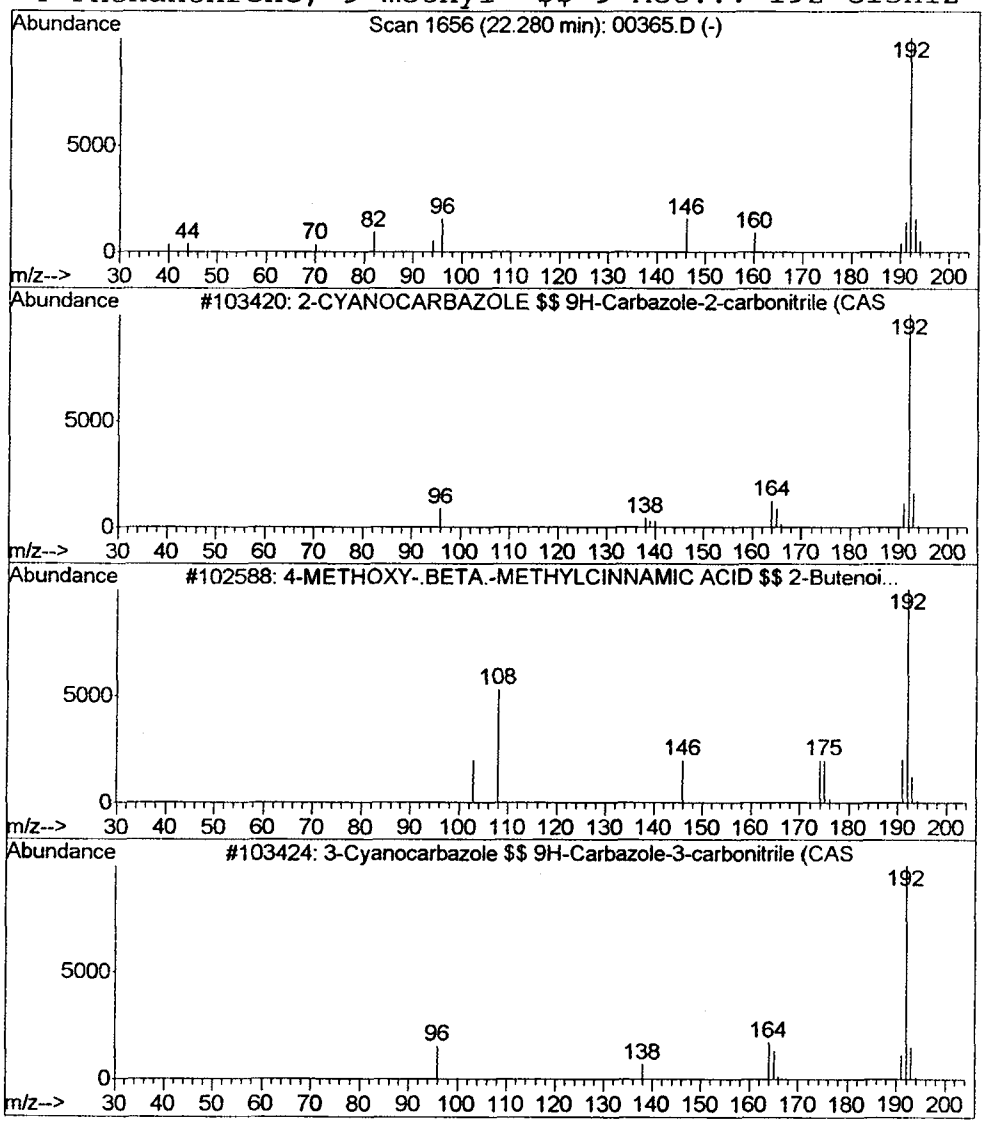
```
Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D          Vial: 3
Acq On    : 15 Jan 2002  11:52 am                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 2002                         Multiplr: 1.00
MS Integration Params: LSCINT.P

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

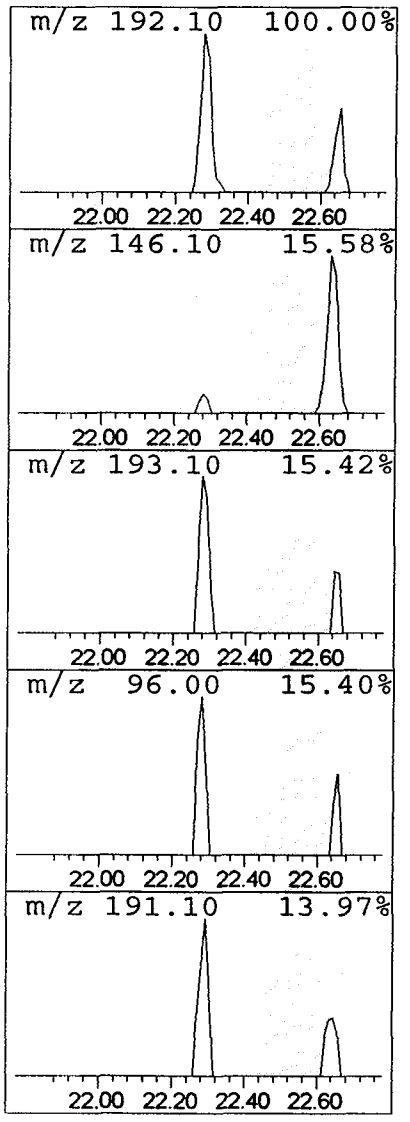
****

Peak Number 4 2-CYANOCARBAZOLE $$ 9H-Carb... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.12 ug/L	58129	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	72
2	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
3	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72
4	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59





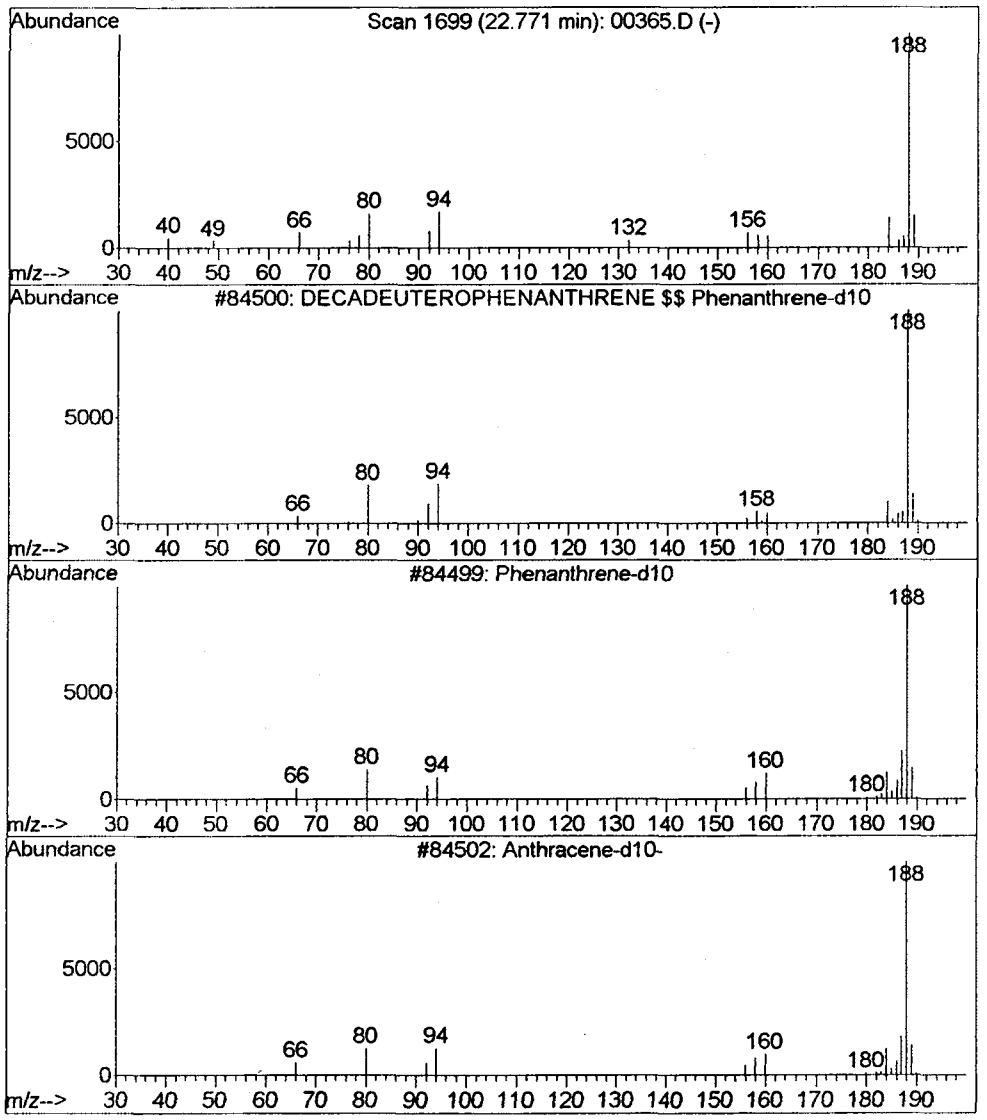
```
Data File : C:\MSDCHEM\1\5973N\02JAN15\00365.D          Vial: 3
Acq On    : 15 Jan 2002  11:52 am                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 2002                         Multiplr: 1.00
MS Integration Params: LSCINT.P

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

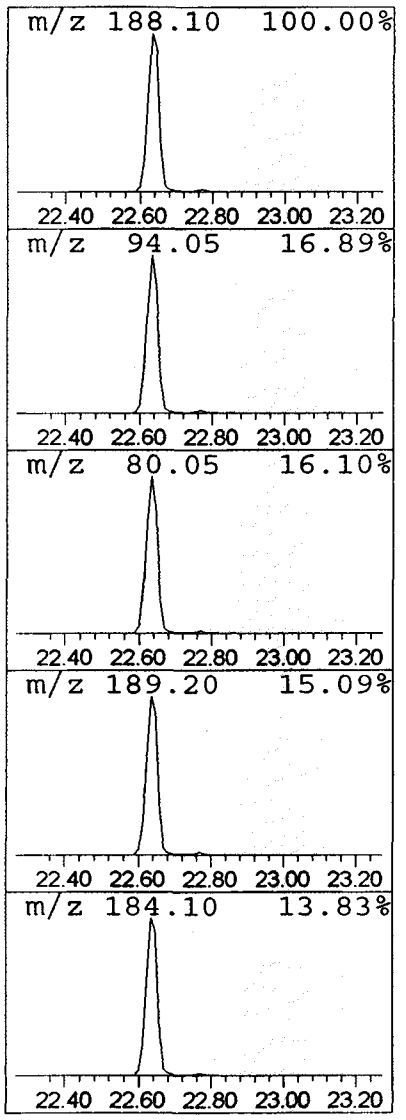
****

Peak Number 5 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.33 ug/L	154839	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	80
3	Anthracene-d10-	188	C14D10	001719-06-8	80
4	Anthracene-D10	188	C14D10	000000-00-0	74





Operator ID: Date Acquired: 15 Jan 2002 11:52 am
Data File: C:\MSDCHEM\1\5973N\02JAN15\00365.D
Name: 508 scan
Misc: January 15, 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
3,4-Dihydropyran ...	4.86	0.1	ug/L	30240	1	9.72	5473630	20.0
3-Pentanol, 2,4-d...	5.90	3.8	ug/L	1031370	1	9.72	5473630	20.0
3-Pentanol (CAS) ...	9.86	0.1	ug/L	30607	1	9.72	5473630	20.0
2-CYANOCARBAZOLE ...	22.28	0.1	ug/L	58129	4	22.63	9521620	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	154839	4	22.63	9521620	20.0