User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 11:04:27

Sample: AE00320
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 10:53 Ended: 1/10/02 10:53 Analyst: WB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		< MDL		
2	Surr_2,4-DDD		106		5.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:32 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 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	1211130	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	5142718	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2652539	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4386029	20.00	ug/L	-0.02
38) Chrysene-d12	30.49	240	3712756	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2678292	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	366287	5.28	ug/L	0.00
Spiked Amount 5.000			Recovery = 105.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	12947	0.25	ug/L #	15
3) bis (2-Chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis (1-Chloropropa	0.00	45	0	N.D.		
8) N-nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis (2-Chloroethoxy) metha	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	18.34	163	425173	2.43	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	340829	9.98	ug/L #	17
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	0.00	77	0	N.D.		
30) N-nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:32 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

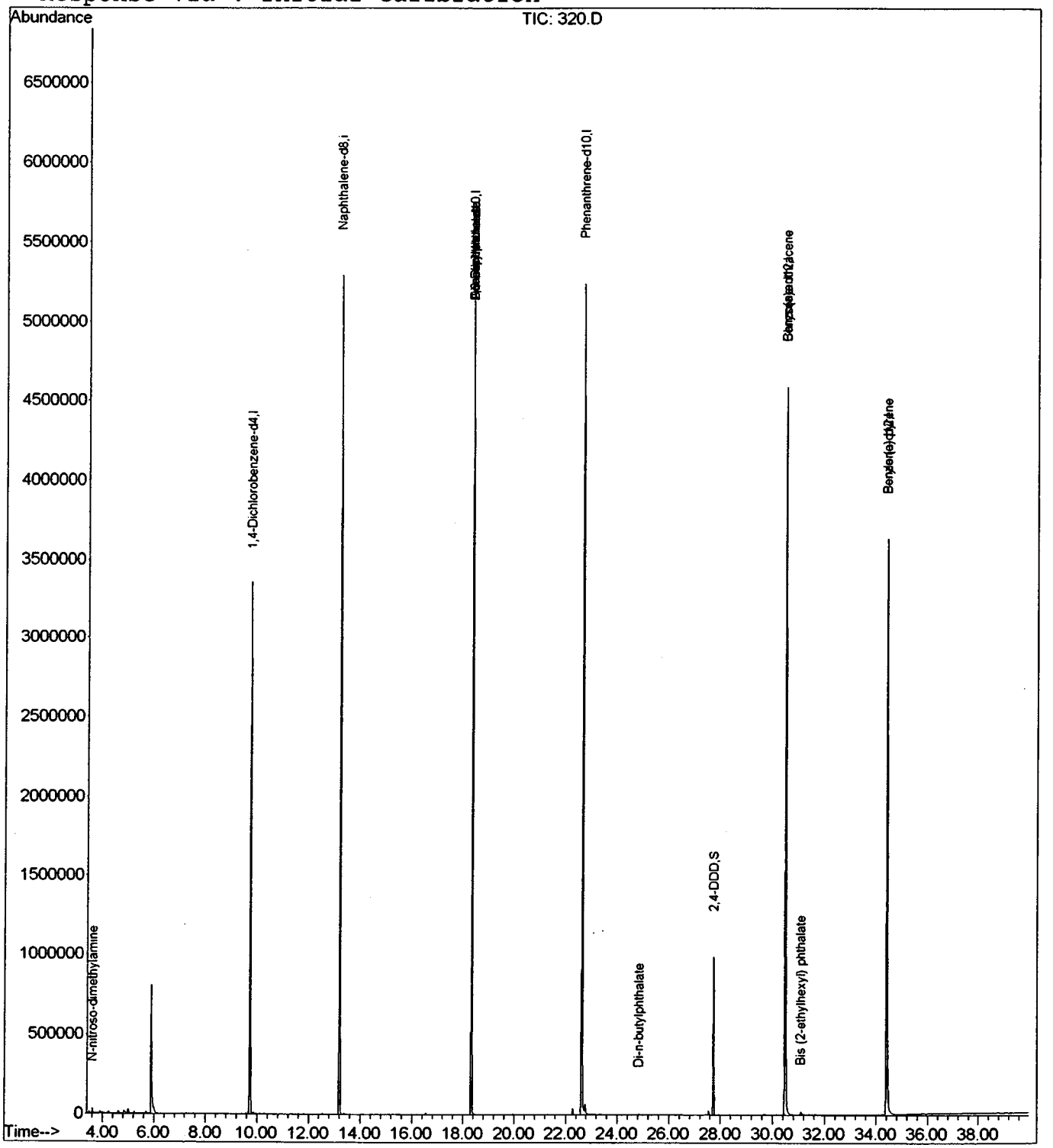
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Di-n-butylphthalate	24.85	149	7184	0.03 ug/L #	88
36) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	30.49	228	9150	0.04 ug/L #	76
42) Bis (2-ethylhexyl) phthala	31.11	149	20877	0.66 ug/L	83
43) Chrysene	30.49	228	9150	0.04 ug/L #	73
45) Di-n-octylphthalate	0.00	149	0	N.D.	
46) Benzo (b) fluoranthene	0.00	252	0	N.D.	
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	34.42	252	9688	0.06 ug/L #	1
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51) Benzo (g,h,i) perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 9 12:51 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 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

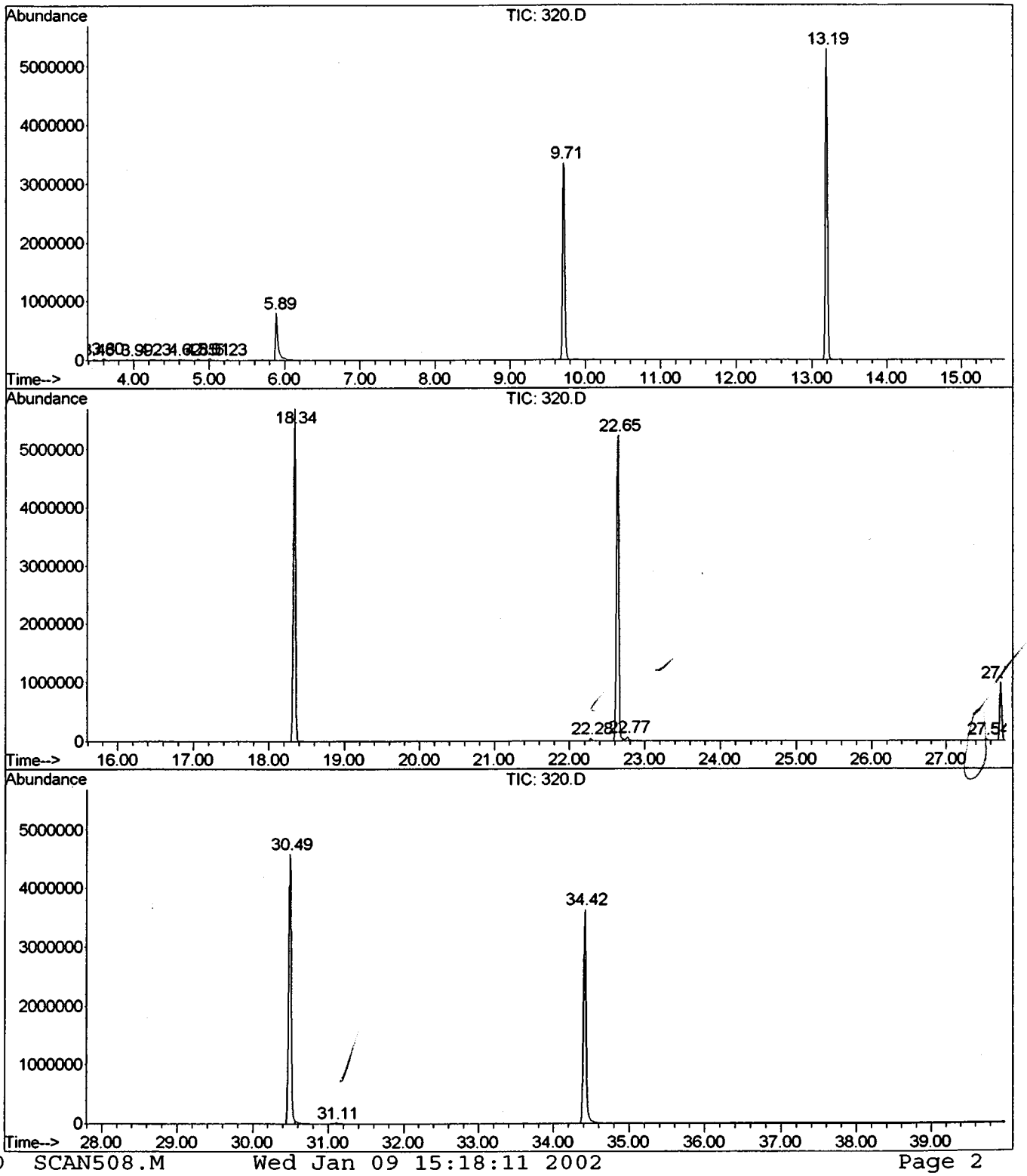
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.476	7	9	17	rVB	16852	31029	0.27%	0.049%
2	3.602	17	20	25	rBV	34458	57882	0.50%	0.091%
3	3.990	51	54	67	rVV	11496	32738	0.28%	0.052%
4	4.230	73	75	83	rVB3	14293	38076	0.33%	0.060%
5	4.618	107	109	125	rVB3	15626	43792	0.38%	0.069%
6	4.846	125	129	141	rBV4	19093	68122	0.59%	0.107%
7	5.006	141	143	149	rVB	29512	57295	0.49%	0.090%
8	5.234	159	163	169	rVB2	17451	33517	0.29%	0.053%
9	5.885	217	220	247	rBV	804500	1884357	16.23%	2.969%
10	9.710	551	555	561	rVV	3356692	6920869	59.59%	10.905%
11	13.192	855	860	865	rBV	5289839	9874074	85.02%	15.559%
12	18.341	1305	1311	1315	rBV	5704470	10791919	92.93%	17.005%
13	22.280	1651	1656	1661	rBV	41554	76125	0.66%	0.120%
14	22.645	1681	1688	1693	rBV	5238864	11613392	100.00%	18.299%
15	22.771	1695	1699	1711	rVB	65576	177608	1.53%	0.280%
16	27.543	2113	2117	2121	rVV2	25906	50344	0.43%	0.079%
17	27.726	2129	2133	2139	rBV	987894	1755941	15.12%	2.767%
18	30.489	2369	2375	2381	rBV2	4587711	10867199	93.57%	17.124%
19	31.105	2425	2429	2443	rVB	22379	70118	0.60%	0.110%
20	34.416	2713	2719	2745	rBV	3630509	9019125	77.66%	14.212%

Sum of corrected areas: 63463522

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN08\320.D
Operator :
Acquired : 8 Jan 2002 8:47 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 8, 2002
Vial Number: 5
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

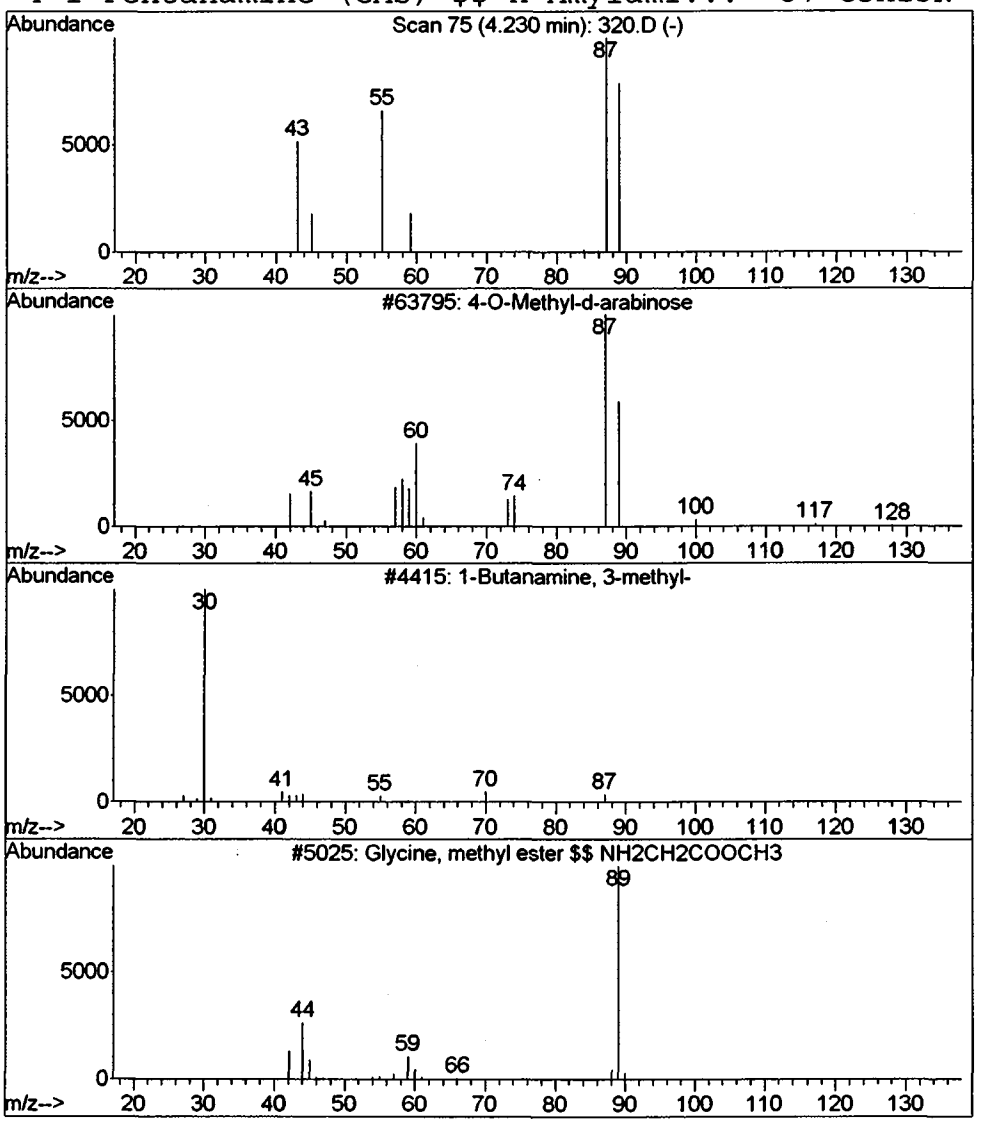
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

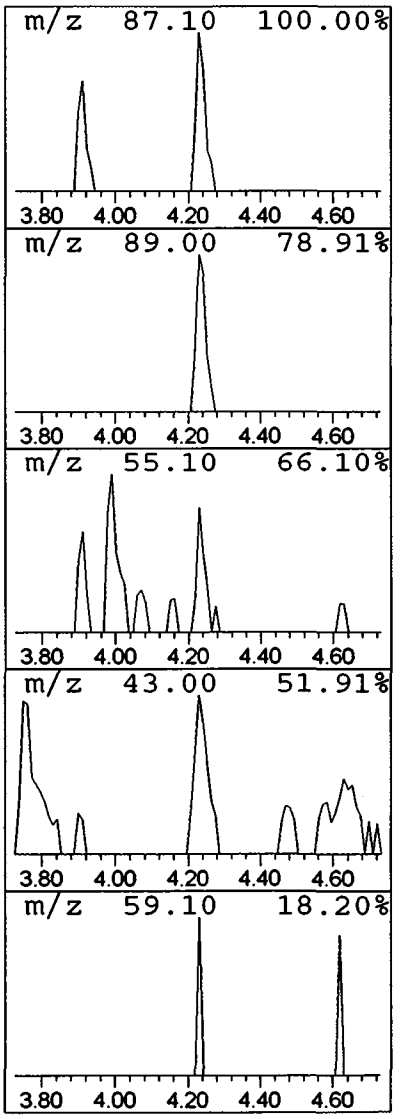
****

Peak Number 1 4-O-Methyl-d-arabinose Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.23	0.11 ug/L	38076	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-O-Methyl-d-arabinose	164	C6H12O5	000000-00-0	64
2	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5
3	Glycine, methyl ester $$ NH2CH2C...	89	C3H7NO2	000616-34-2	5
4	1-Pentanamine (CAS) $$ n-Amylami...	87	C5H13N	000110-58-7	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

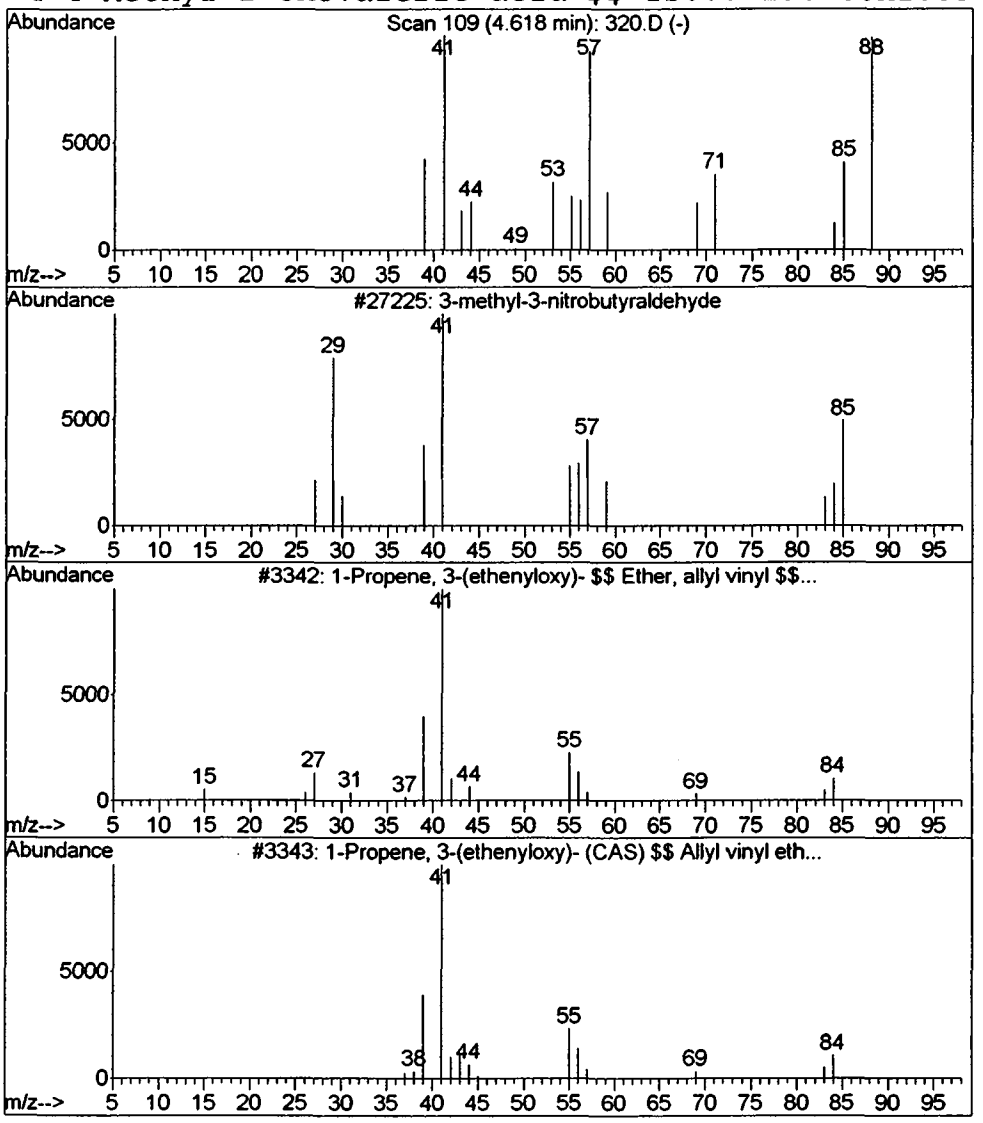
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

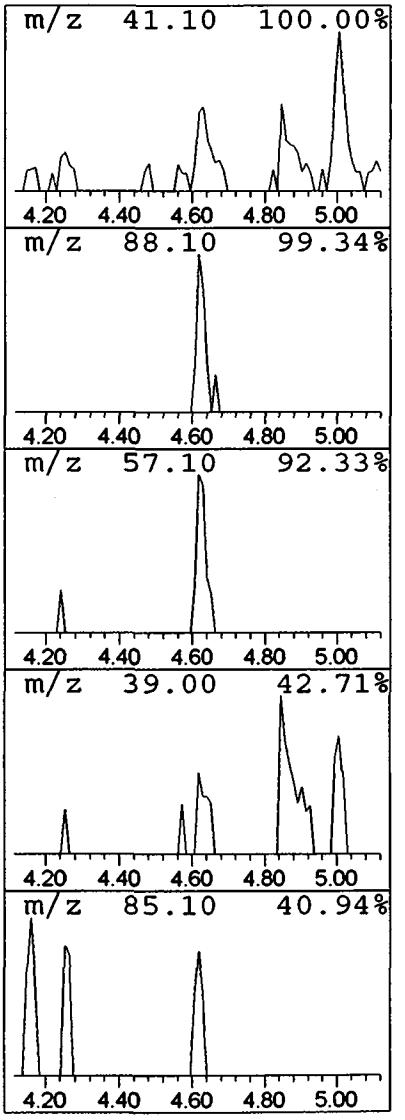
****

Peak Number 2 3-methyl-3-nitrobutyraldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.13 ug/L	43792	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-methyl-3-nitrobutyraldehyde	131	C5H9NO3	000000-00-0	12
2	1-Propene, 3-(ethenyloxy)- $$ Et...	84	C5H8O	003917-15-5	9
3	1-Propene, 3-(ethenyloxy)- (CAS)...	84	C5H8O	003917-15-5	9
4	4-Methyl-2-oxovaleric acid $$ Is...	130	C6H10O3	000816-66-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

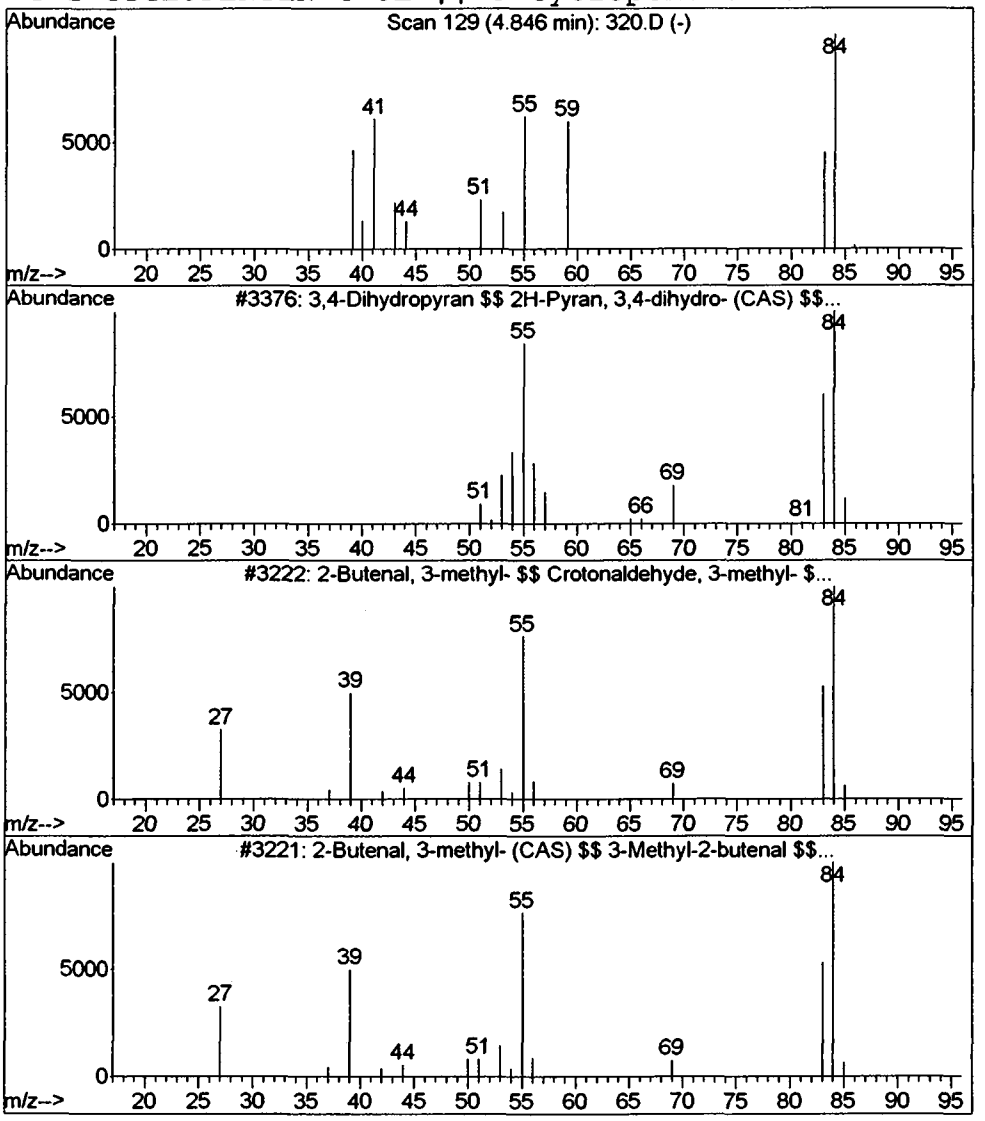
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

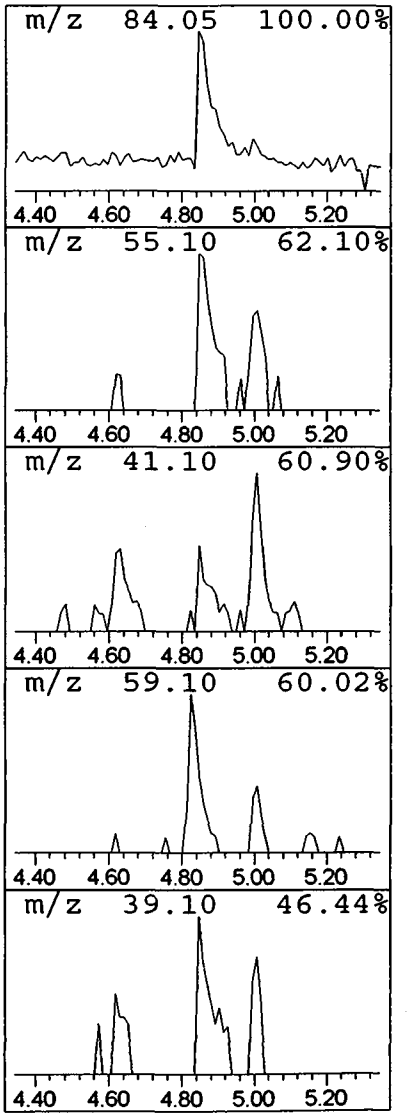
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.20 ug/L	68122	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	59
3	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	59
4	1-CYCLOPENTEN-4-OL $$ 3-Cyclopen...	84	C5H8O	014320-38-8	46





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

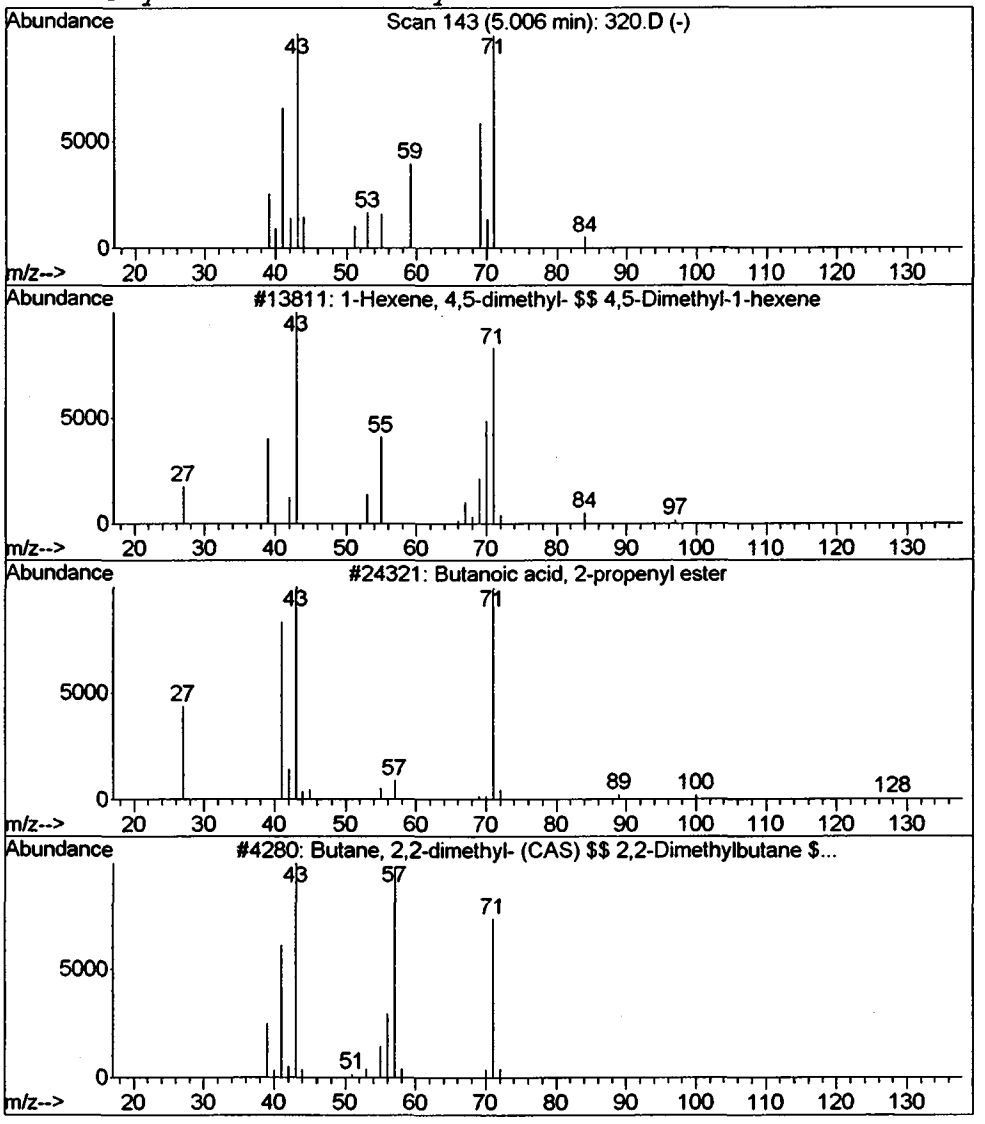
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

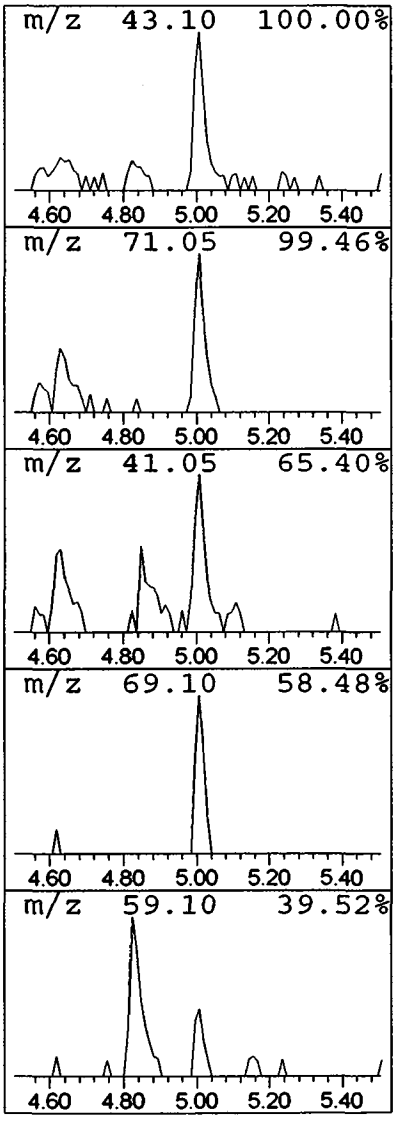
****

Peak Number 4 1-Hexene, 4,5-dimethyl- $$ ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.17 ug/L	57295	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl- $$ 4,5-D...	112	C8H16	016106-59-5	28
2	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	9
3	Butane, 2,2-dimethyl- (CAS) $$ 2...	86	C6H14	000075-83-2	9
4	methyl 2-oxo-3-methylbutanoate	130	C6H10O3	000000-00-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

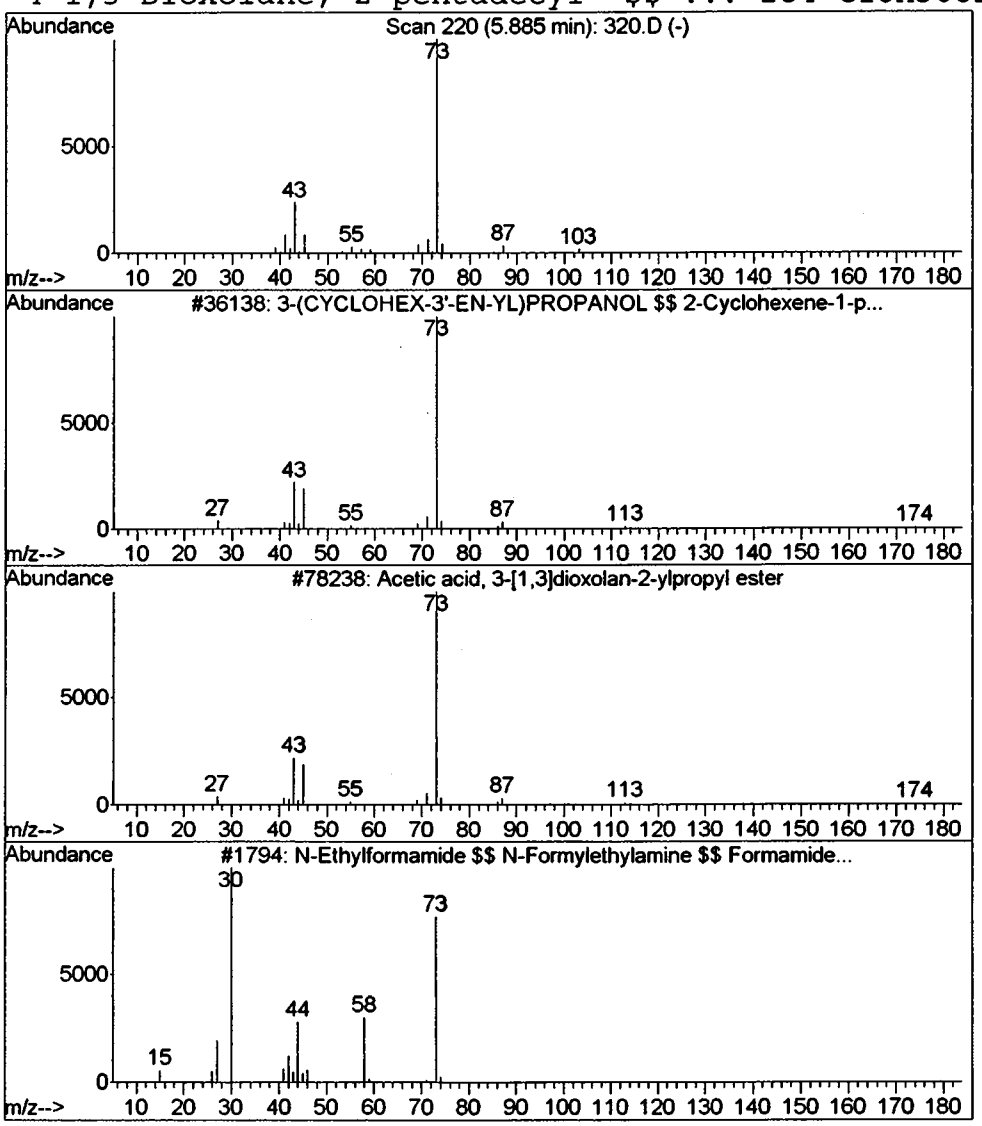
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

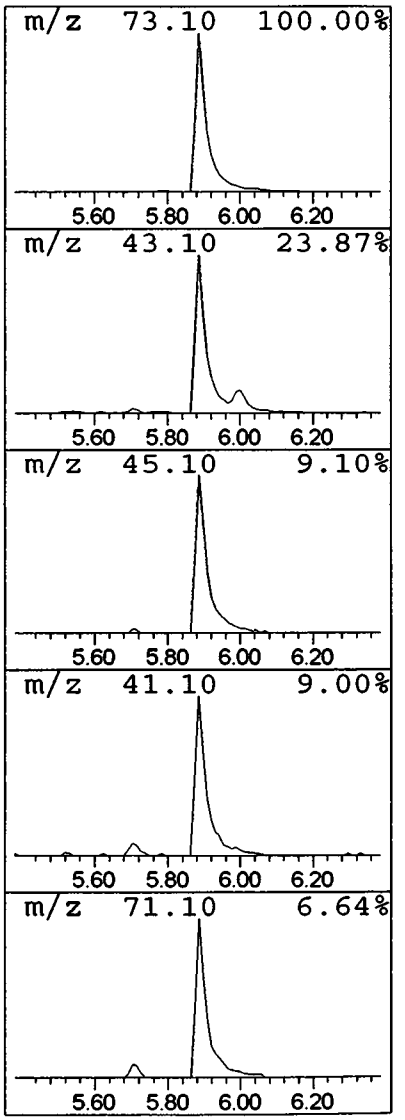
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.45 ug/L	1884360	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-pentadecyl- $$ ...	284	C18H36O2	004360-57-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

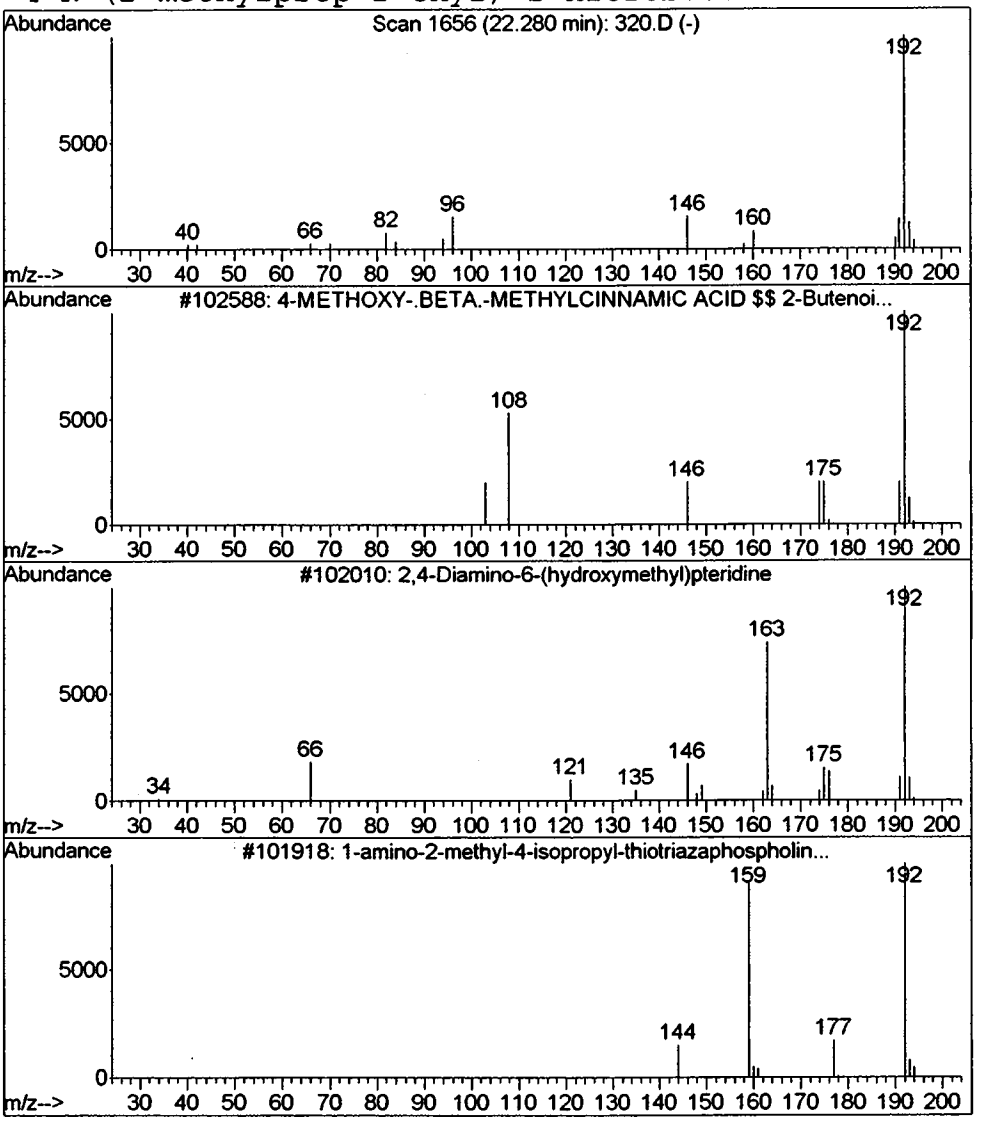
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

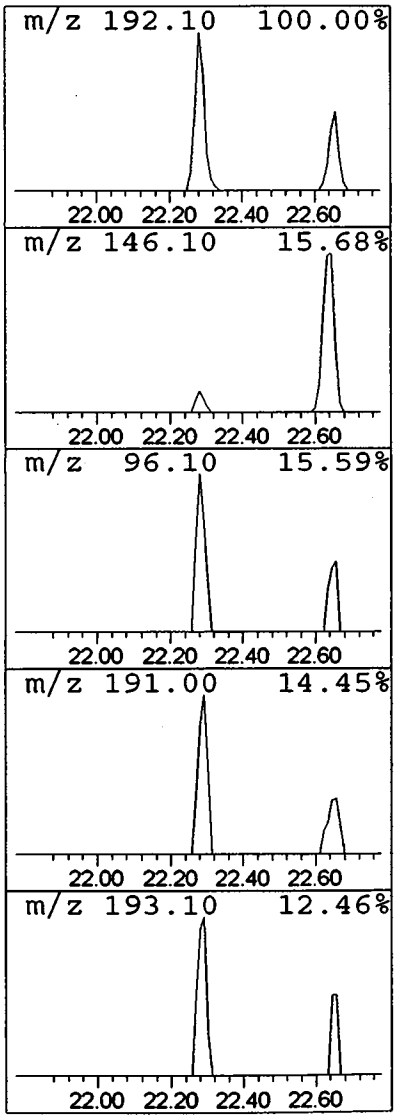
****

Peak Number 6 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	76125	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
3	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\320.D Vial: 5
Acq On : 8 Jan 2002 8:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

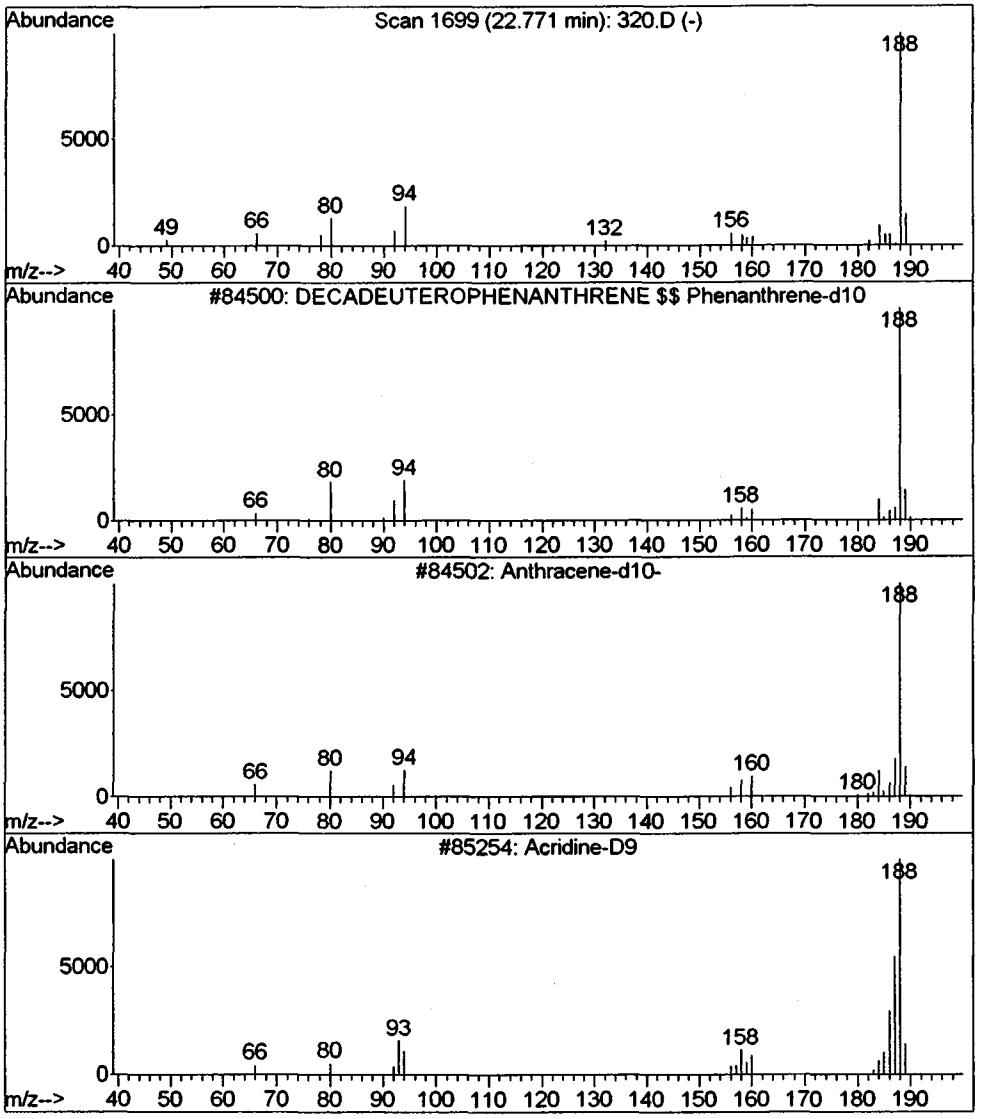
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

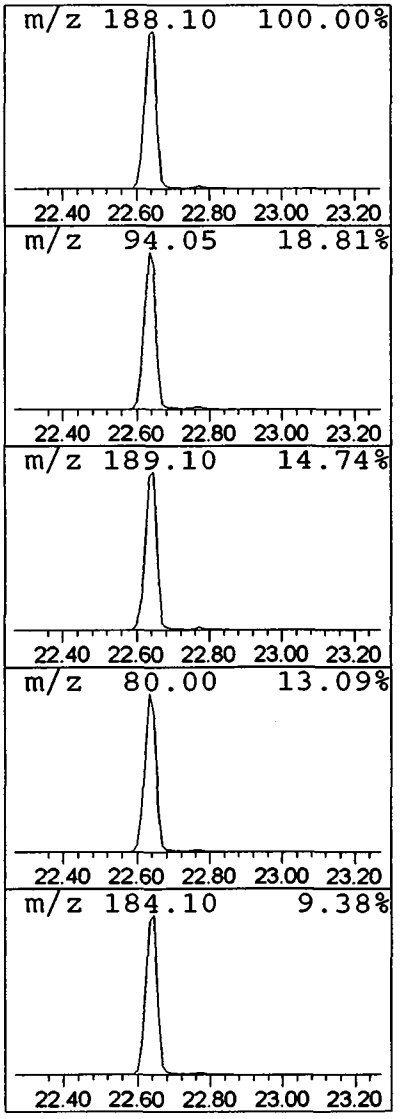
****

Peak Number 7 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.31 ug/L	177608	Phenanthrene-d10	22.65

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	87
3	Acridine-D9	188	C13D9N	000000-00-0	50
4	Anthracene-D10	188	C14D10	000000-00-0	47





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 8 Jan 2002 8:47 pm
Data File: C:\MSDCHEM\1\5973N\02JAN08\320.D
Name: 508scan
Misc. January 8, 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
4-O-Methyl-d-arab...	4.23	0.1	ug/L	38076	1	9.72	6920870	20.0
3-methyl-3-nitrob...	4.62	0.1	ug/L	43792	1	9.72	6920870	20.0
3,4-Dihydropyran ...	4.85	0.2	ug/L	68122	1	9.72	6920870	20.0
1-Hexene, 4,5-dim...	5.01	0.2	ug/L	57295	1	9.72	6920870	20.0
3-(CYCLOHEX-3'-EN...	5.89	5.4	ug/L	1884360	1	9.72	6920870	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	76125	4	22.65	11613400	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	177608	4	22.65	11613400	20.0

Comments for Sample AE00320 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:38:16

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 12 of the 43 compounds in the LCS Standard were above their acceptance ranges.