User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:39:41

Sample: AE00282
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:38 Ended: 1/10/02 16:38 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		101		5.0

Comments for Sample AE00282 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:39:45

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:32 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	1384638	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	5921194	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3063338	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	5043430	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	4590473	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	3286759	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	402633	5.05	ug/L	0.00
Spiked Amount 5.000			Recovery =	101.00%		
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	10877	0.18	ug/L #	14
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	488208	2.41	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	392034	9.94	ug/L #	16
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

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Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:32 2002 Quant Results File: SCAN508.RES

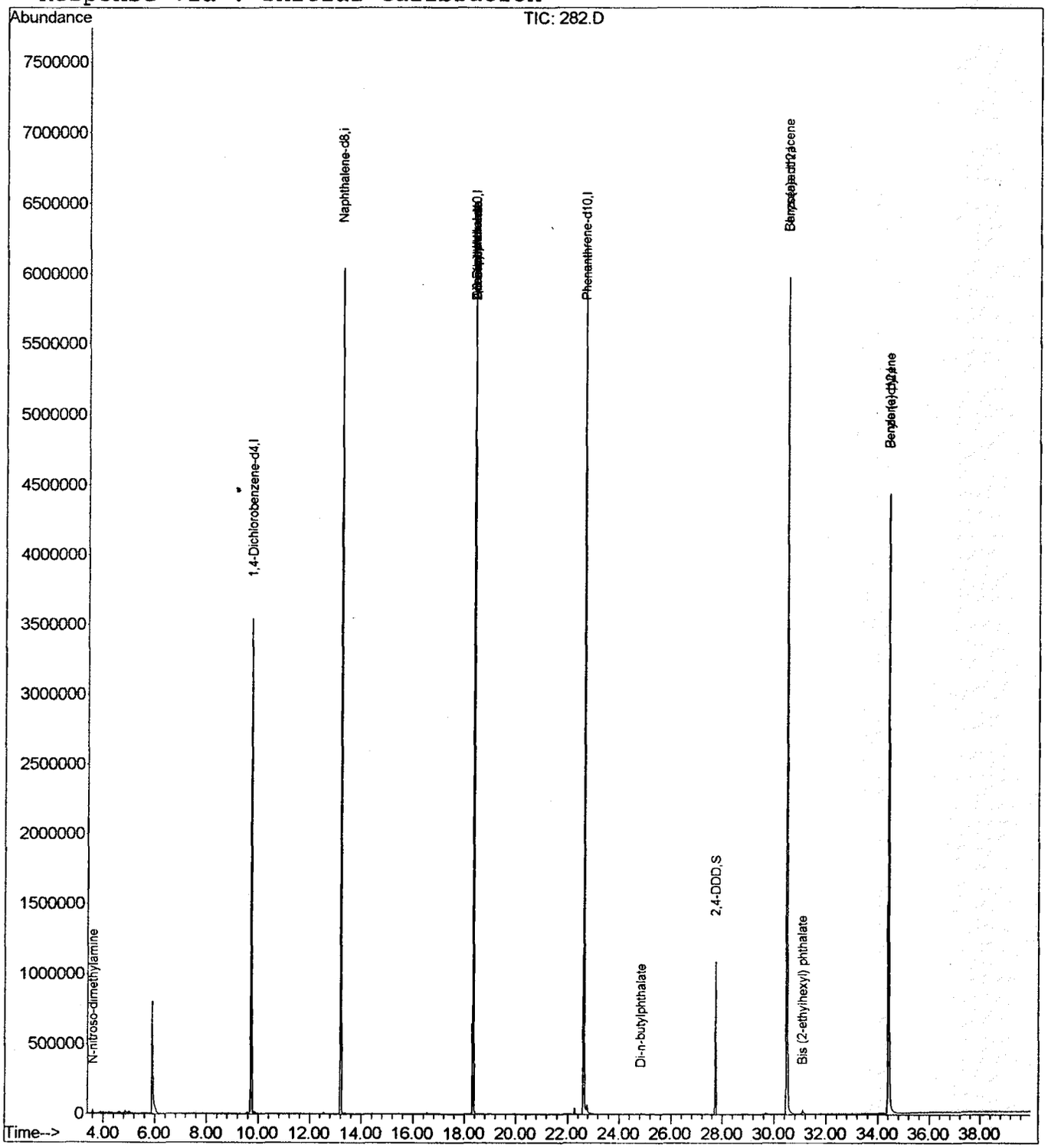
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35)	Di-n-butylphthalate	24.85	149	11837	0.04	ug/L		97
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	11772	0.04	ug/L	#	66
42)	Bis (2-ethylhexyl) phthala	31.11	149	25901	0.66	ug/L		90
43)	Chrysene	30.49	228	11772	0.04	ug/L	#	63
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	11447	0.05	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

Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 8:38 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



Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 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

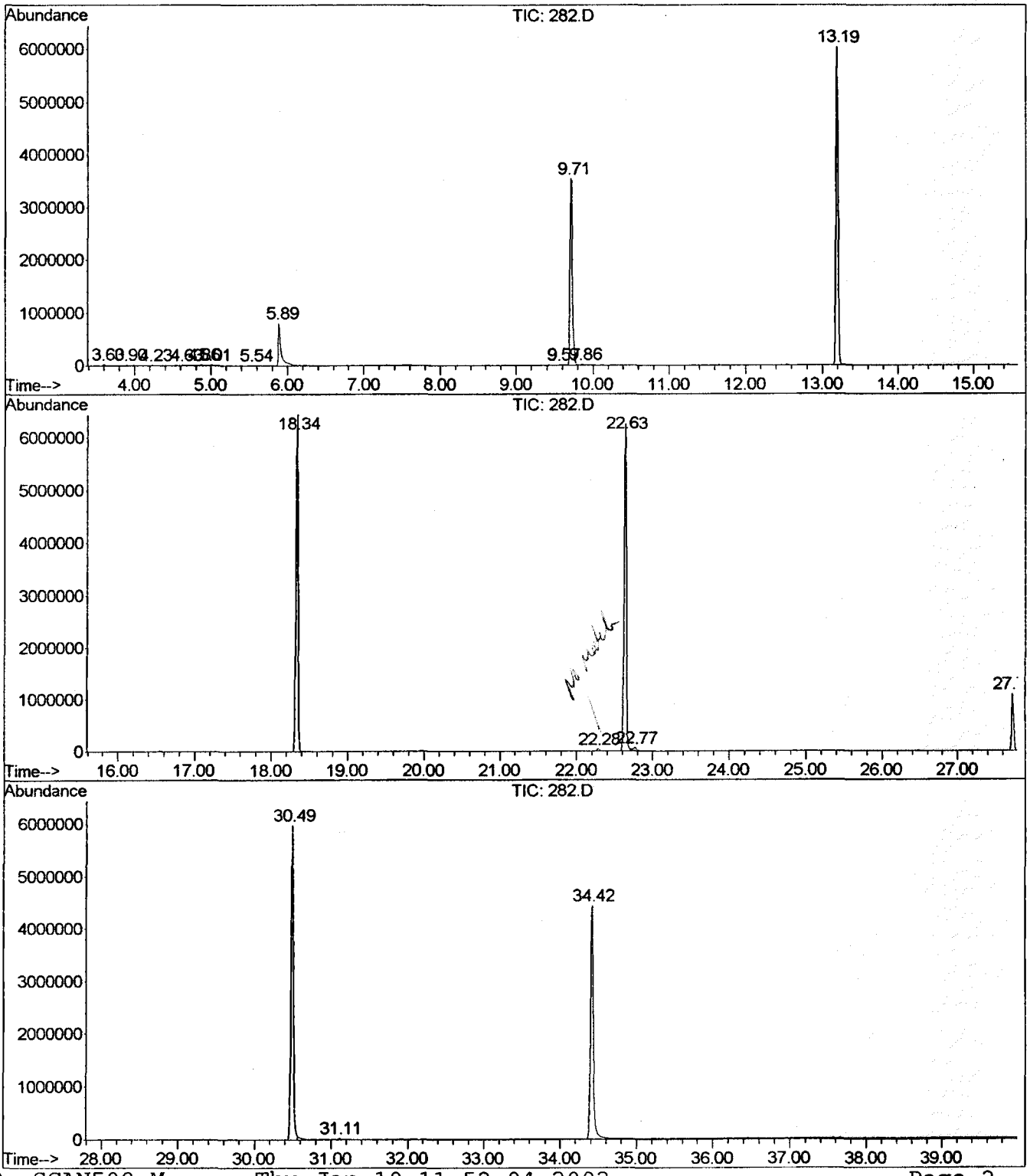
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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	26055	53155	0.40%	0.072%
2	3.899	41	46	51	rVB2	12956	28346	0.21%	0.038%
3	4.230	71	75	83	rBV7	10101	36441	0.27%	0.049%
4	4.629	101	110	121	rBV7	13517	54547	0.41%	0.073%
5	4.858	121	130	139	rBV4	18592	70893	0.53%	0.096%
6	5.006	139	143	151	rVB3	17450	45032	0.34%	0.061%
7	5.543	181	190	193	rBV4	6118	25776	0.19%	0.035%
8	5.885	217	220	247	rVB	801323	2053820	15.34%	2.767%
9	9.573	541	543	547	rVV3	11917	33094	0.25%	0.045%
10	9.710	551	555	563	rVV	3545596	7864857	58.75%	10.596%
11	9.858	563	568	577	rVV2	18323	65328	0.49%	0.088%
12	13.192	855	860	865	rBV	6038354	11312235	84.50%	15.240%
13	18.341	1305	1311	1315	rBV	6452404	12427646	92.83%	16.743%
14	22.280	1651	1656	1661	rVV2	43645	86845	0.65%	0.117%
15	22.634	1681	1687	1693	rBV2	6259090	13239674	98.90%	17.837%
16	22.771	1695	1699	1711	rVB	64594	186038	1.39%	0.251%
17	27.726	2129	2133	2139	rBV	1088248	1940567	14.50%	2.614%
18	30.489	2369	2375	2381	rBV2	5972732	13387454	100.00%	18.036%
19	31.105	2425	2429	2437	rVV2	24145	67565	0.50%	0.091%
20	34.416	2713	2719	2739	rVV	4426750	11247862	84.02%	15.153%

Sum of corrected areas: 74227175

File : C:\MSDCHEM\1\5973N\02JAN09\282.D
Operator :
Acquired : 9 Jan 2002 11:12 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 9, 2002
Vial Number: 7
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

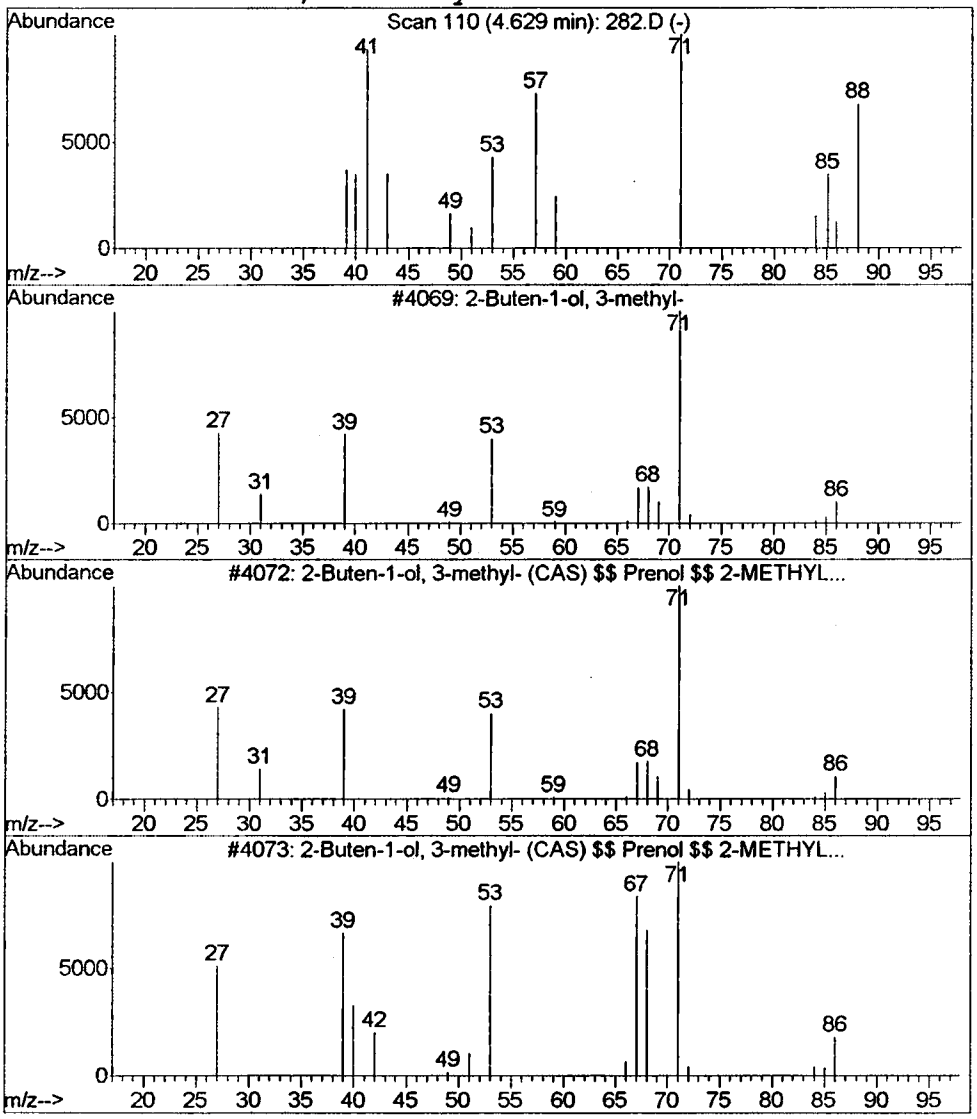
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

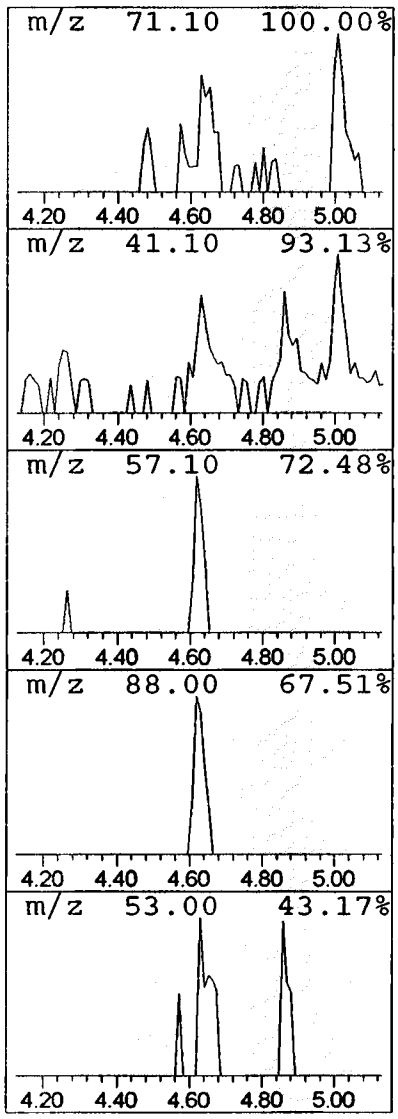
****

Peak Number 1 2-Buten-1-ol, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.14 ug/L	54547	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	53
2	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	53
3	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	38
4	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	38





Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

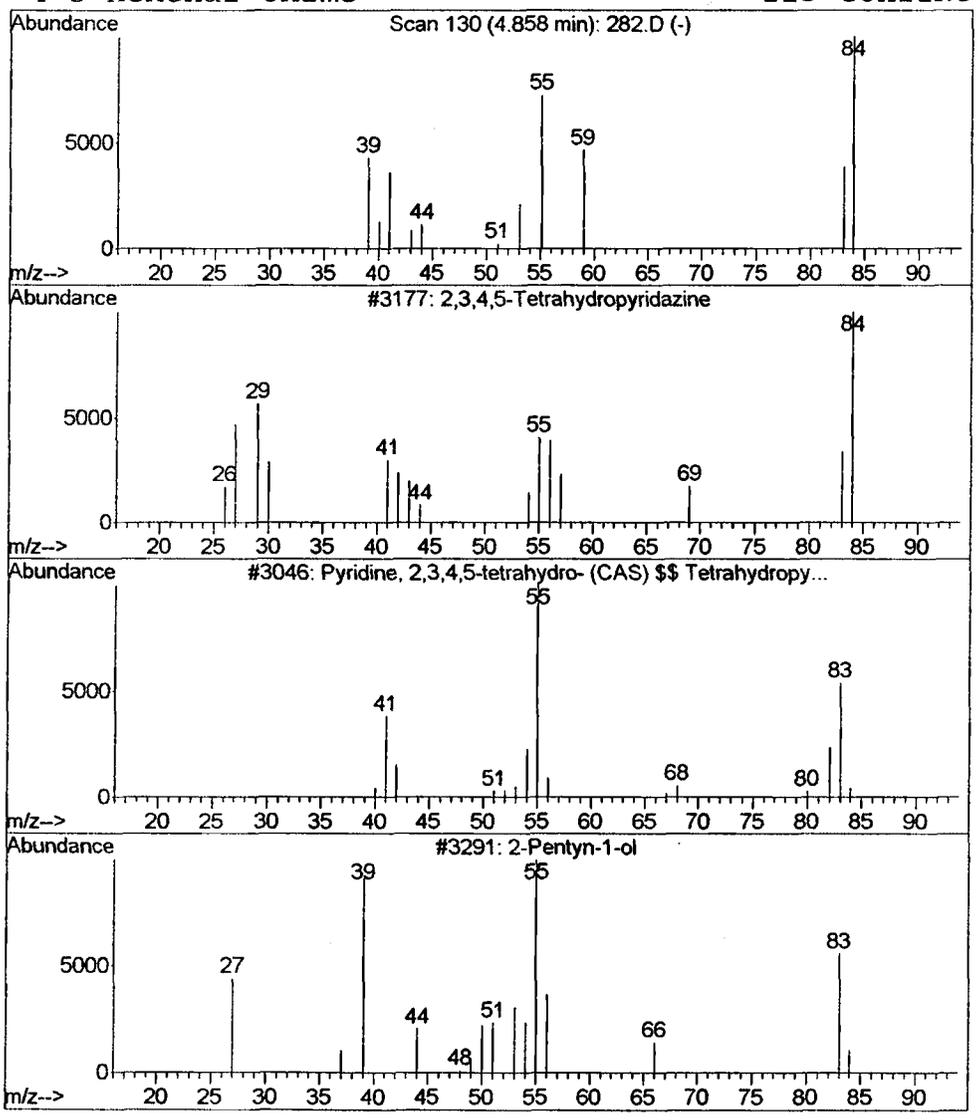
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

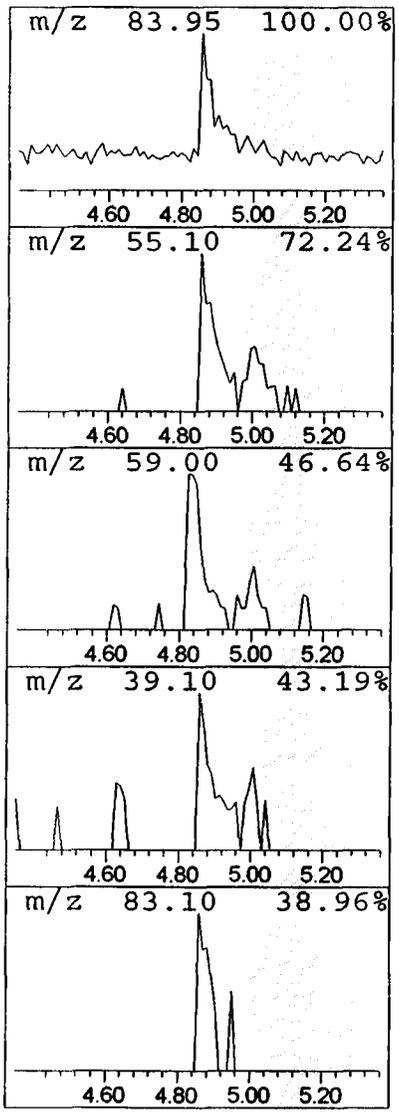
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	0.18 ug/L	70893	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	9
2	Pyridine, 2,3,4,5-tetrahydro- (C...	83	C5H9N	000505-18-0	9
3	2-Pentyn-1-ol	84	C5H8O	006261-22-9	9
4	5-Hexenal oxime	113	C6H11NO	057606-82-3	9





Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

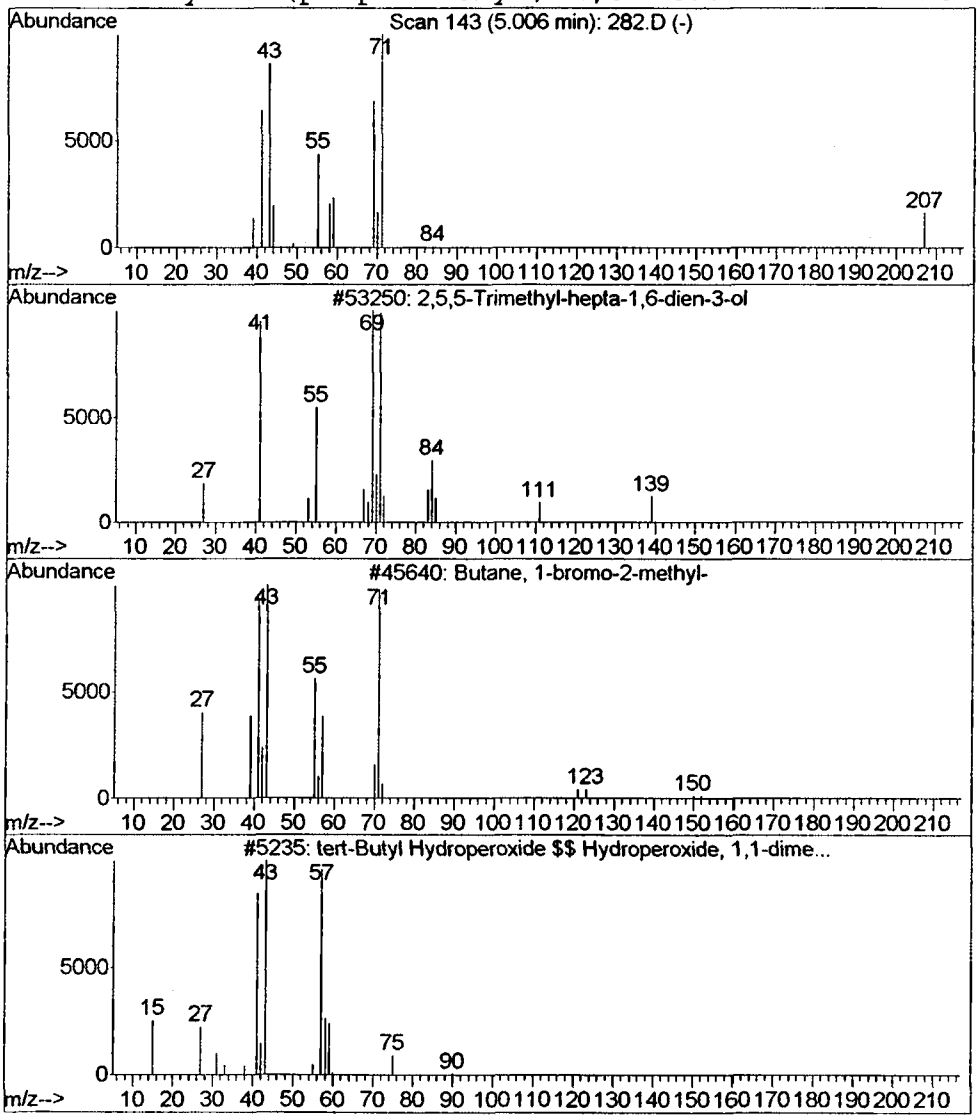
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

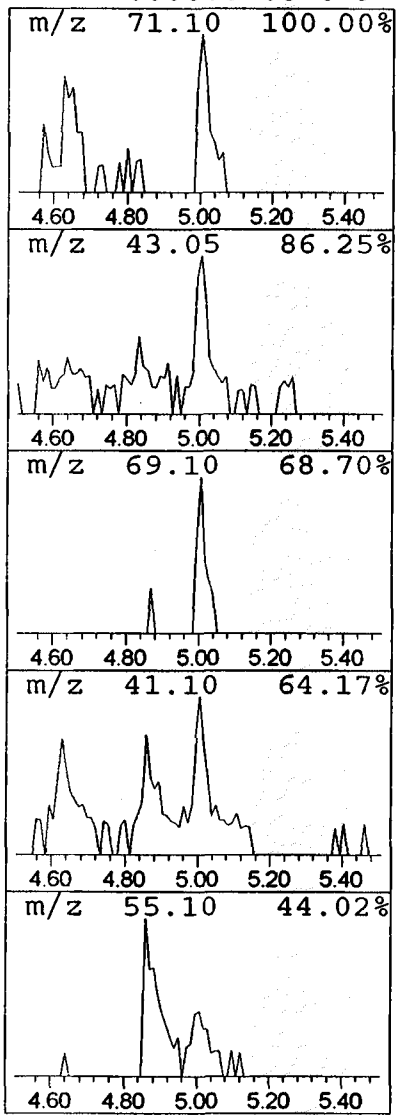
****

Peak Number 3 2,5,5-Trimethyl-hepta-1,6-d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.11 ug/L	45032	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,5-Trimethyl-hepta-1,6-dien-3-ol	154	C10H18O	000000-00-0	38
2	Butane, 1-bromo-2-methyl-	150	C5H11Br	010422-35-2	25
3	tert-Butyl Hydroperoxide $$ Hydr...	90	C4H10O2	000075-91-2	9
4	4-Methyl-2-(prop-1'-enyl)-1,3-di...	128	C7H12O2	000000-00-0	9





Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

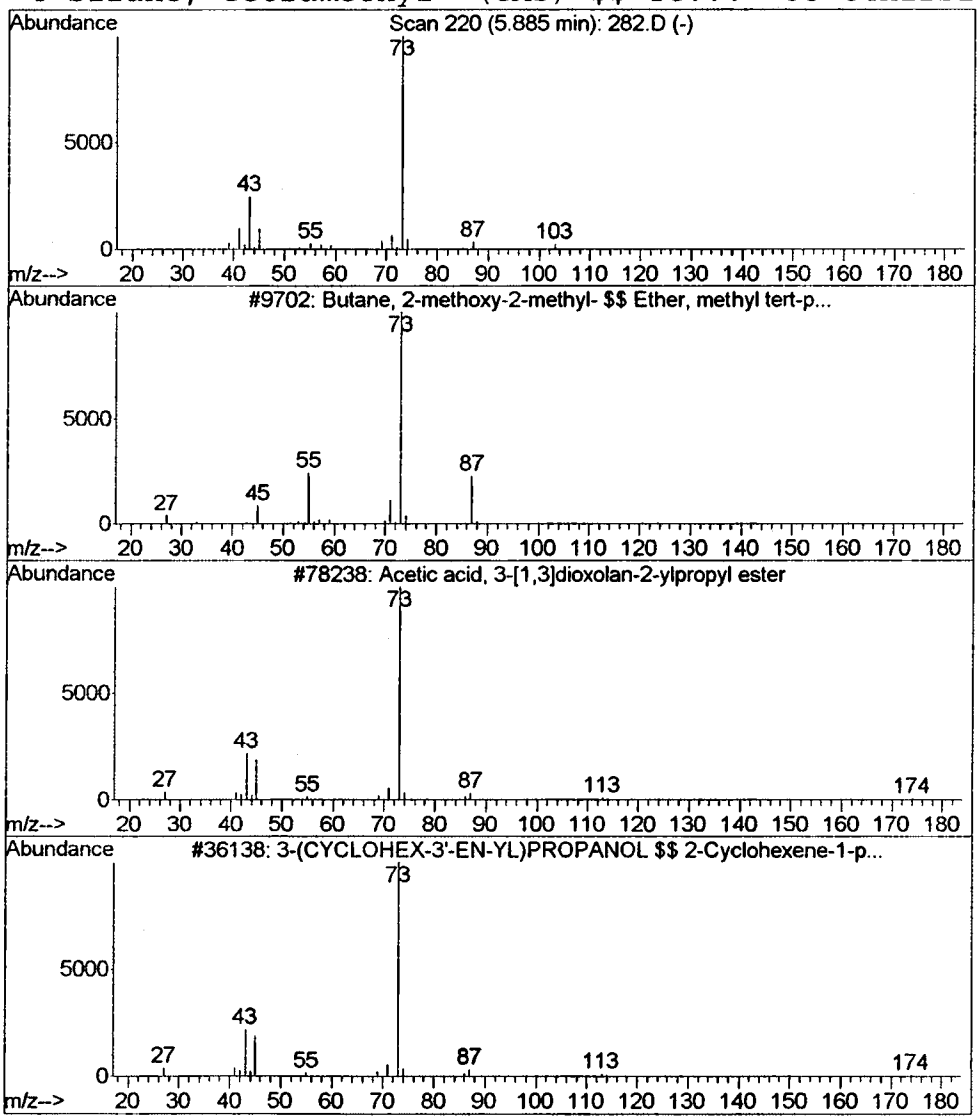
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

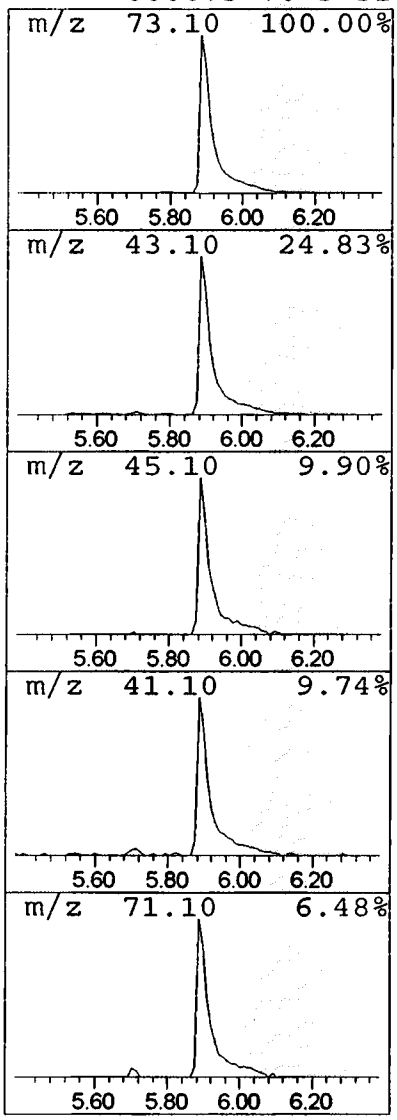
****

Peak Number 4 Butane, 2-methoxy-2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.22 ug/L	2053820	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	32





Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

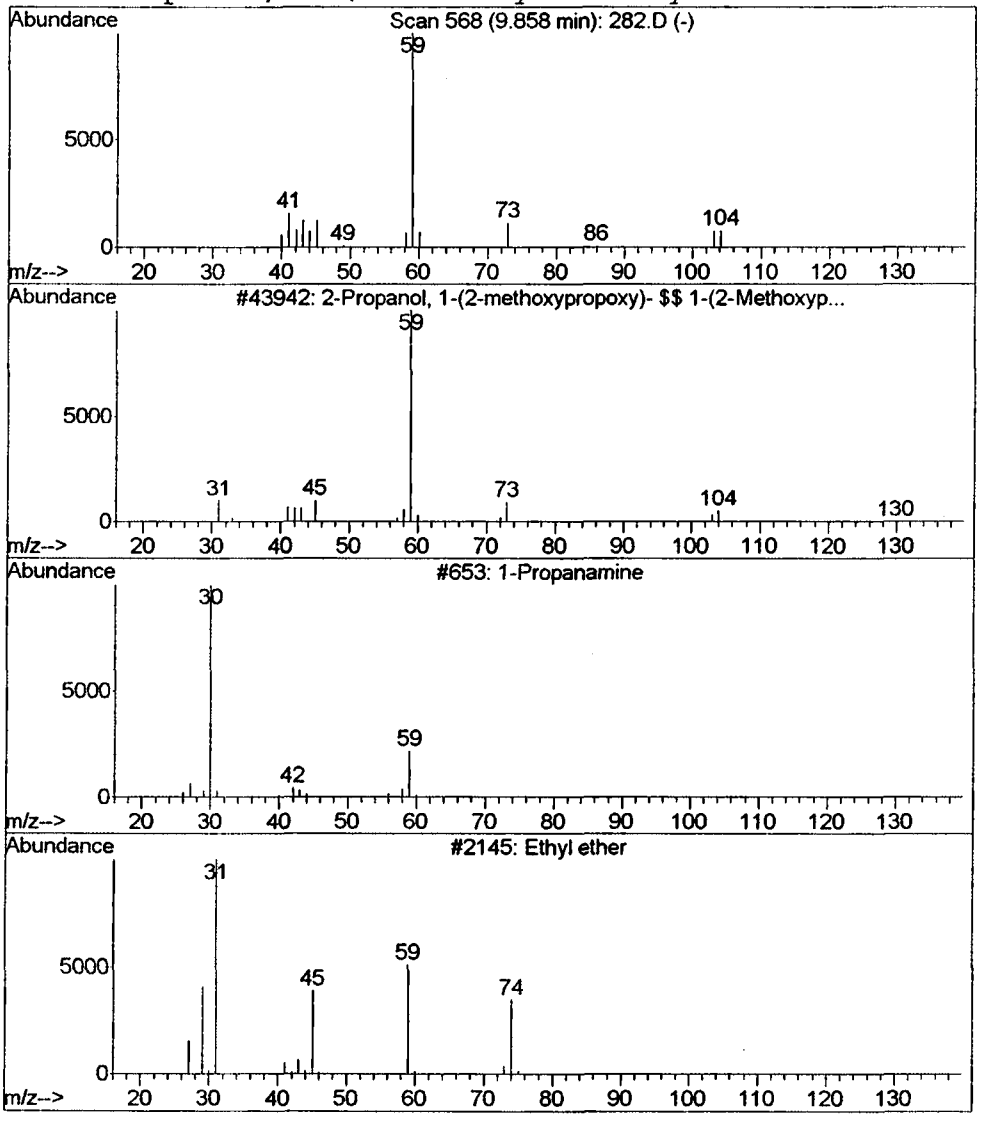
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

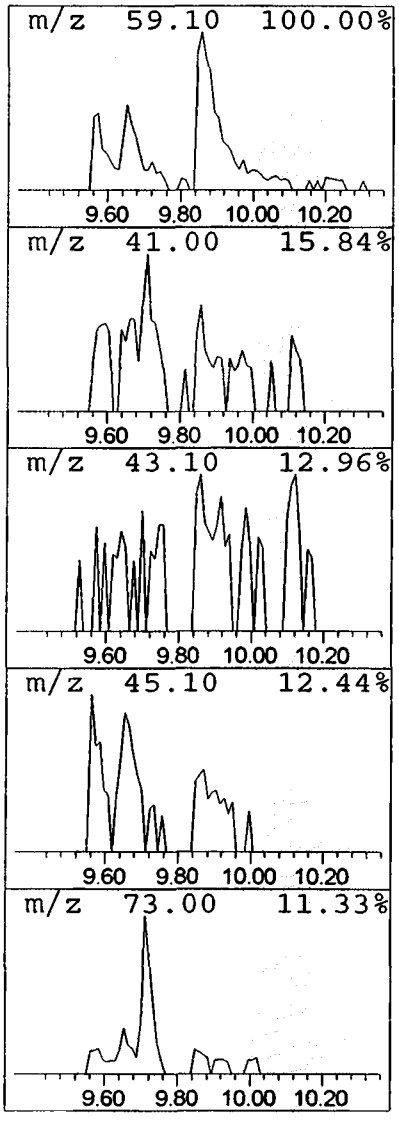
****

Peak Number 5 2-Propanol, 1-(2-methoxypro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	0.17 ug/L	65328	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	10
2	1-Propanamine	59	C3H9N	000107-10-8	9
3	Ethyl ether	74	C4H10O	000060-29-7	9
4	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	9





Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

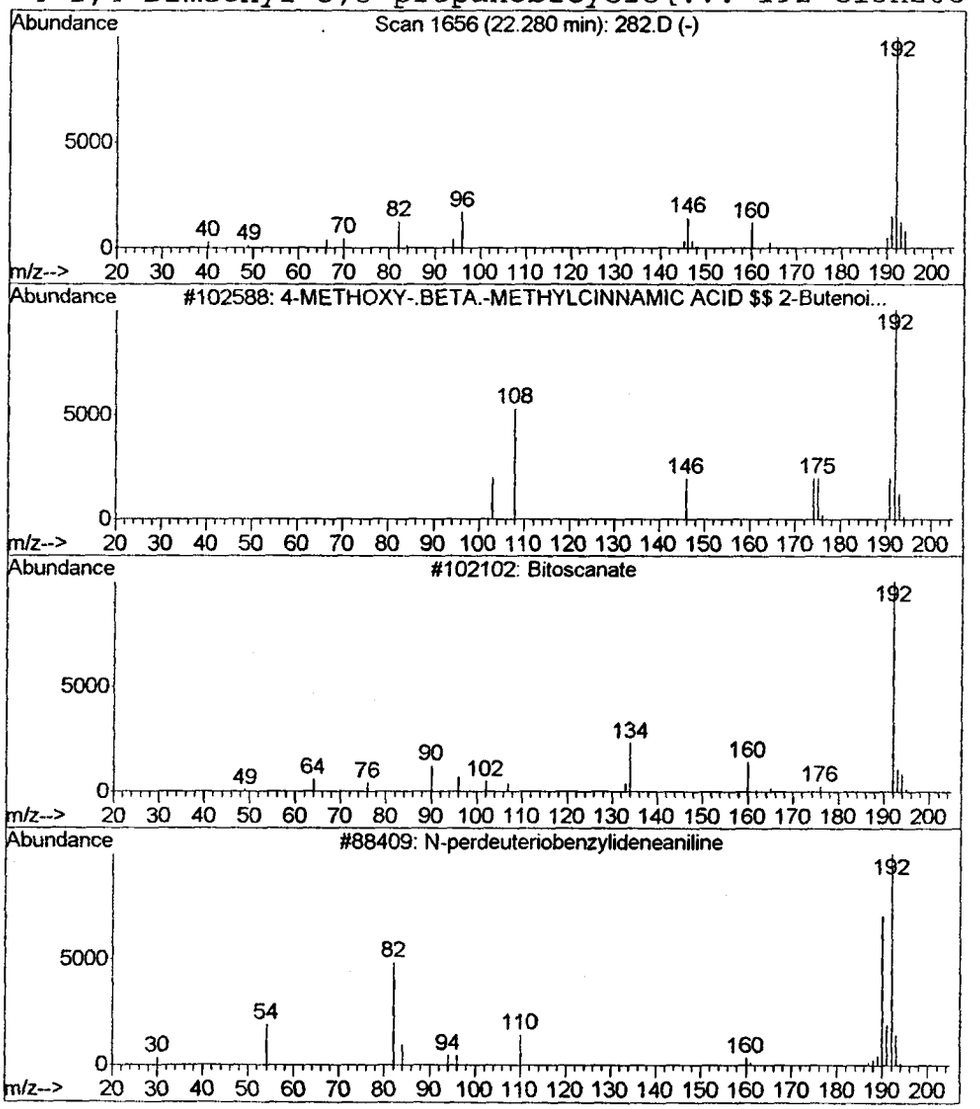
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

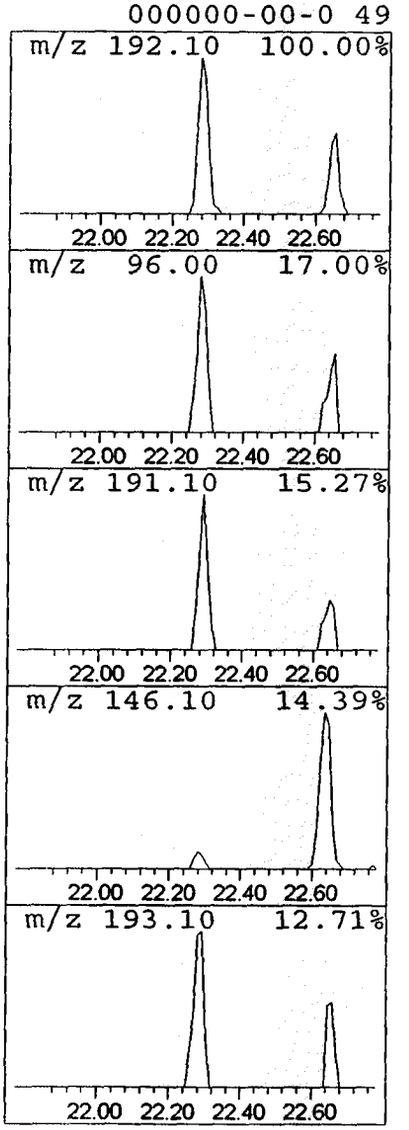
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	86845	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	64
2	Bitoscanate	192	C8H4N2S2	004044-65-9	58
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
4	1,4-Dimethyl-3,5-propanobicyclo[...	192	C13H20O	000000-00-0	49





Data File : C:\MSDCHEM\1\5973N\02JAN09\282.D Vial: 7
Acq On : 9 Jan 2002 11:12 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

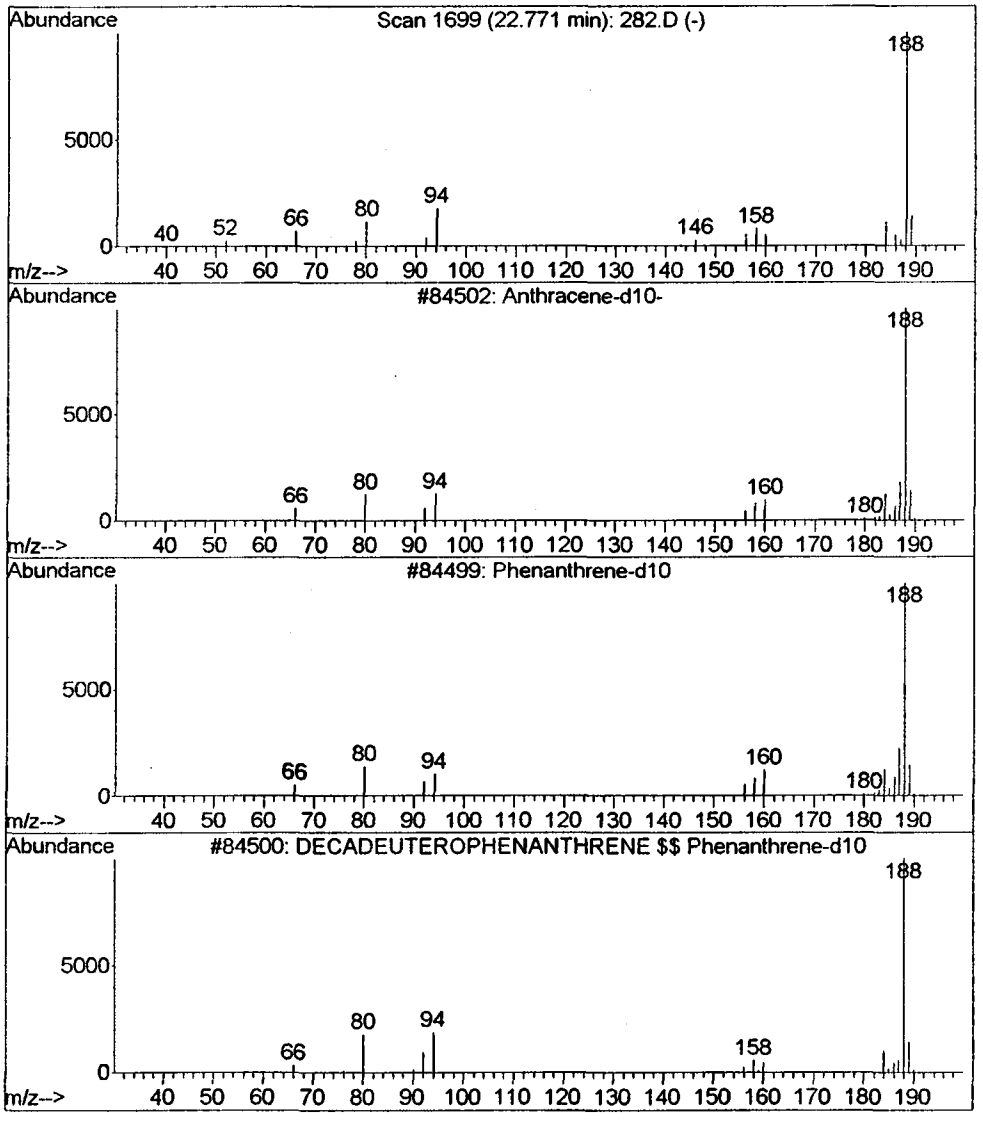
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

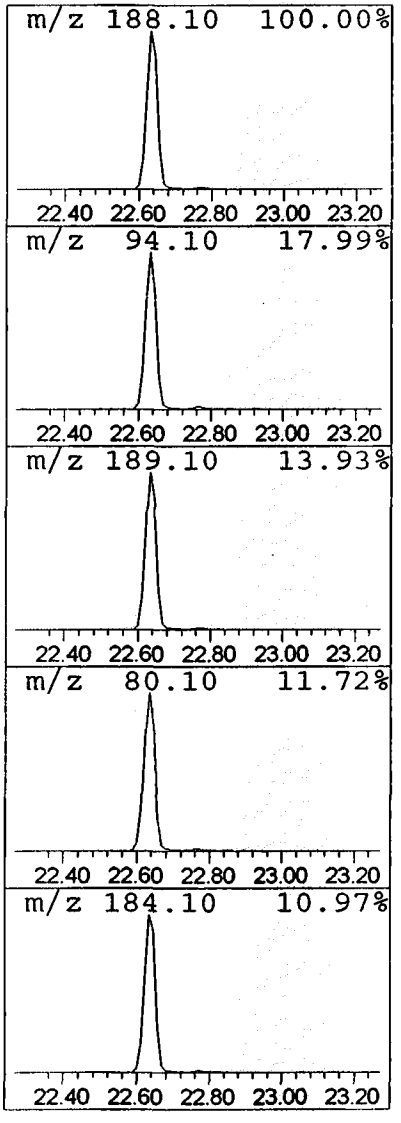
****

Peak Number 7 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.28 ug/L	186038	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	78
2	Phenanthrene-d10	188	C14D10	001517-22-2	78
3	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	72
4	Acridine-D9	188	C13D9N	000000-00-0	72





Operator ID: Date Acquired: 9 Jan 2002 11:12 pm
Data File: C:\MSDCHEM\1\5973N\02JAN09\282.D
Name: 508 scan ext 1/7
Misc: January 9, 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-Buten-1-ol, 3-m...	4.63	0.1	ug/L	54547	1	9.72	7864860	20.0
2,3,4,5-Tetrahydr...	4.86	0.2	ug/L	70893	1	9.72	7864860	20.0
2,5,5-Trimethyl-h...	5.01	0.1	ug/L	45032	1	9.72	7864860	20.0
Butane, 2-methoxy...	5.89	5.2	ug/L	2053820	1	9.72	7864860	20.0
2-Propanol, 1-(2-...	9.86	0.2	ug/L	65328	1	9.72	7864860	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	86845	4	22.63	13239700	20.0
Anthracene-d10-	22.77	0.3	ug/L	186038	4	22.63	13239700	20.0

Comments for Sample AE00282 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:23:37

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.