User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 09:38:45

Sample: AE10980
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/22/02 09:38 Ended: 5/22/02 09:38 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		98		10.0

Comments for Sample AE10980 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-22-2002 Time: 09:39:11

The GCMS scan, from 35 to 550 mau, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051402\10980.D Vial: 9
Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:35:57 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.93	152	5224119	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	20635920	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11168838	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	16219347	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11470464	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	7485090	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2644904	39.01	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.52%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.	d	
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-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-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) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Napthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	0.00	149	0	N.D.		
25) 4-Chlorophenyl-phenylether	20.55	204	14558	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	47146	N.D.		
30) Nnitrosodiphenylamine	20.55	169	53112	0.27	ug/L #	54
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.		
35) Di-n-butylphthalate	25.09	149	50392	N.D.		

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

Quantitation Report (QT Reviewed)

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Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

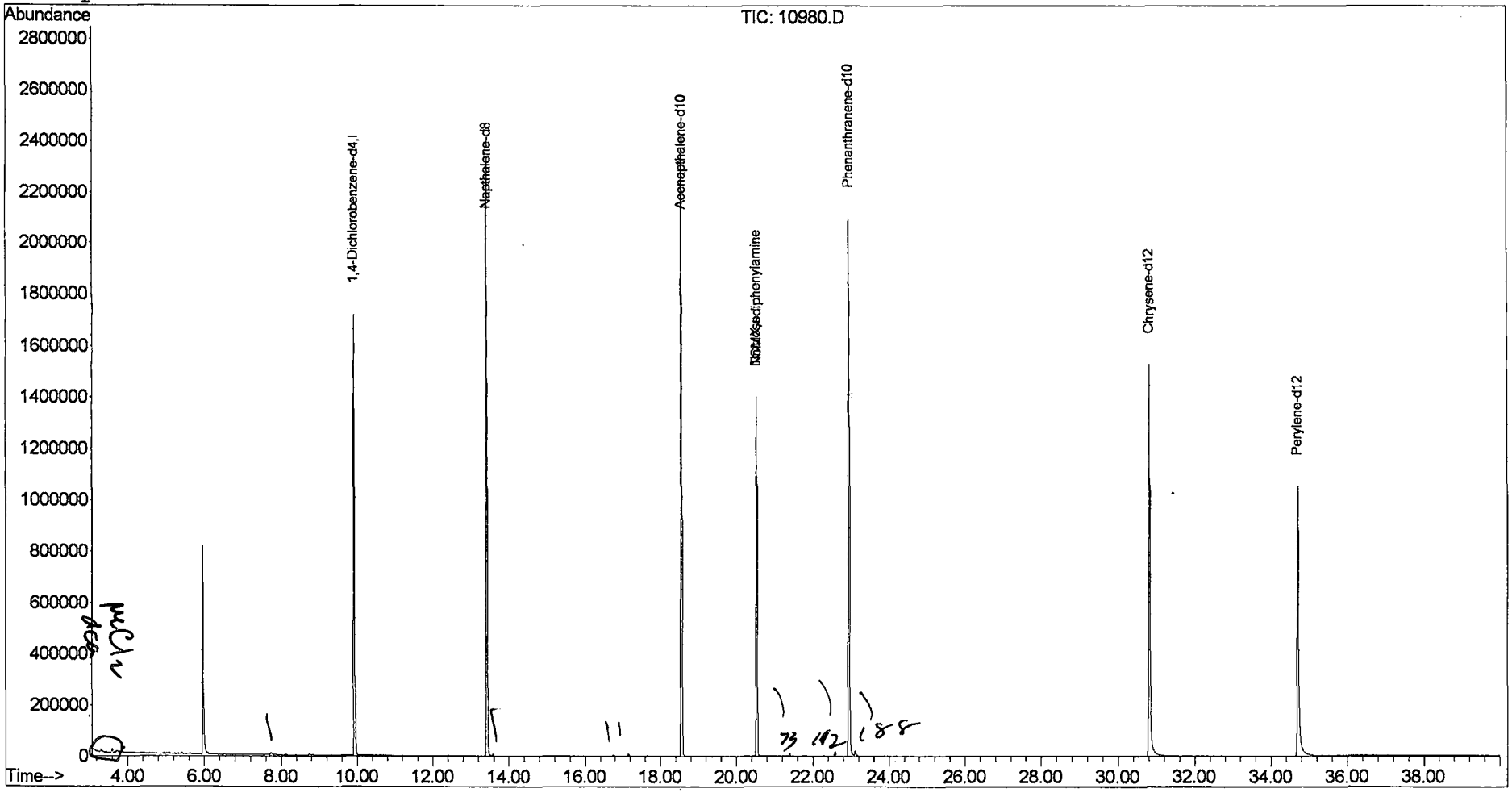
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	0.00	228	0	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	149	0	N.D.	
45)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
46)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(a)pyrene	0.00	252	0	N.D.	
48)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
50)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051402\10980.D Vial: 9
Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:36 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051402\10980.D
Acq On : 14 May 2002 8:01 pm
Sample : 5/10 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

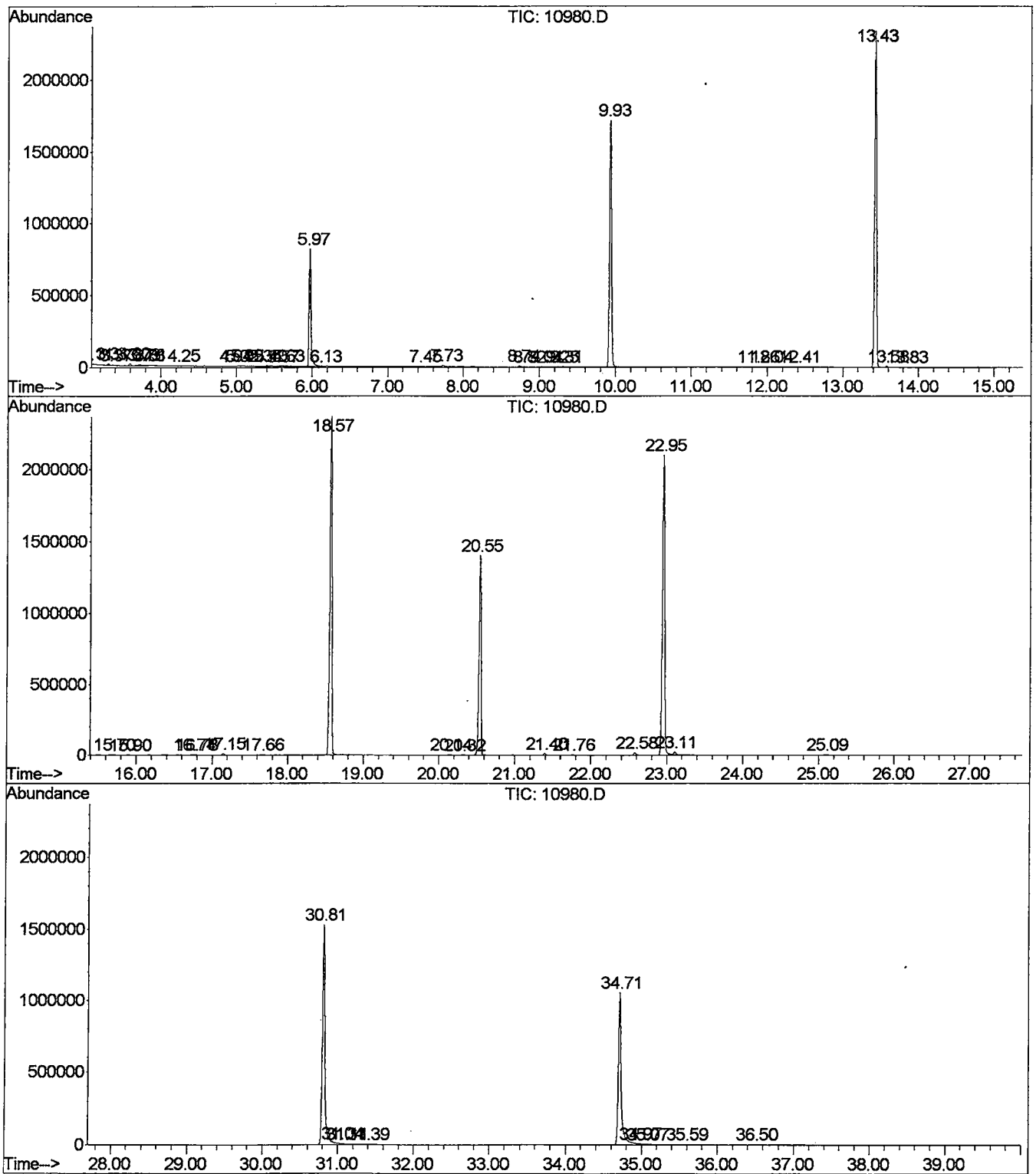
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.108	3	5	17	BV 4	2756	52104	0.11%	0.019%
2	3.314	32	40	46	PV 3	10078	146299	0.32%	0.053%
3	3.367	46	49	52	PV 5	1987	20266	0.04%	0.007%
4	3.596	84	88	96	PV 2	14755	240613	0.52%	0.088%
5	3.725	96	110	118	VV 8	7581	345108	0.75%	0.126%
6	3.784	118	120	124	VV 5	4760	89117	0.19%	0.032%
7	3.814	124	125	129	VV 4	4041	69721	0.15%	0.025%
8	4.248	194	199	204	VV 3	3181	69106	0.15%	0.025%
9	4.936	314	316	323	VV 6	2743	42744	0.09%	0.016%
10	5.024	326	331	338	VV 4	4341	109860	0.24%	0.040%
11	5.089	338	342	352	VV 9	5026	140251	0.30%	0.051%
12	5.335	377	384	391	VV 7	1836	49205	0.11%	0.018%
13	5.406	391	396	402	VV 3	4895	106593	0.23%	0.039%
14	5.570	416	424	432	PV 8	1712	59316	0.13%	0.022%
15	5.635	432	435	447	VV 9	3090	79458	0.17%	0.029%
16	5.970	486	492	518	VV	815986	14496972	31.46%	5.284%
17	6.134	518	520	523	VV 4	2352	31574	0.07%	0.012%
18	7.451	740	744	751	VV 6	2718	44732	0.10%	0.016%
19	7.733	784	792	809	VV 2	9649	310110	0.67%	0.113%
20	8.743	957	964	972	VV 5	6247	142871	0.31%	0.052%
21	8.820	972	977	983	VV 6	2829	61201	0.13%	0.022%
22	9.037	1006	1014	1021	PV 6	1756	52693	0.11%	0.019%
23	9.254	1046	1051	1055	VV 5	2057	36940	0.08%	0.013%
24	9.307	1055	1060	1070	VV 6	2631	72348	0.16%	0.026%
25	9.936	1156	1167	1182	VV	1683003	31602119	68.59%	11.518%
26	11.863	1485	1495	1500	VV 7	1889	37057	0.08%	0.014%
27	12.039	1519	1525	1533	PV 3	2334	45997	0.10%	0.017%
28	12.410	1583	1588	1592	VV 2	2536	39412	0.09%	0.014%
29	13.432	1749	1762	1782	PV	2306747	42369855	91.96%	15.442%
30	13.579	1782	1787	1793	VV	7423	129047	0.28%	0.047%
31	13.831	1824	1830	1835	PV 5	1857	24931	0.05%	0.009%
32	15.694	2143	2147	2154	VV 4	2188	44119	0.10%	0.016%
33	15.900	2169	2182	2189	PV 4	1417	31985	0.07%	0.012%
34	16.746	2320	2326	2329	PV	3914	67722	0.15%	0.025%
35	16.775	2329	2331	2337	VV 4	2606	37776	0.08%	0.014%
36	17.151	2386	2395	2402	PV 4	9526	162684	0.35%	0.059%
37	17.662	2476	2482	2486	PV 4	3446	58892	0.13%	0.021%

38	18.567	2623	2636	2658	VV		2347309	46076355	100.00%	16.793%
39	20.142	2897	2904	2916	VV	4	2692	64929	0.14%	0.024%
40	20.324	2930	2935	2940	VV	3	1985	34515	0.07%	0.013%
41	20.547	2960	2973	2995	VV		1398261	26467159	57.44%	9.646%
42	21.399	3111	3118	3127	VV	3	11953	204434	0.44%	0.075%
43	21.758	3168	3179	3186	PV	5	3270	80093	0.17%	0.029%
44	22.580	3309	3319	3333	VV	3	16656	330688	0.72%	0.121%
45	22.950	3365	3382	3401	PV	2	2074765	44452982	96.48%	16.202%
46	23.109	3401	3409	3422	VV	2	21116	520883	1.13%	0.190%
47	25.095	3740	3747	3751	PV		2802	46302	0.10%	0.017%
48	30.806	4698	4719	4757	PV	2	1508594	35978855	78.09%	13.113%
49	31.041	4757	4759	4769	VV	5	6664	193404	0.42%	0.070%
50	31.106	4769	4770	4774	VV	3	3651	58322	0.13%	0.021%
51	31.388	4807	4818	4825	PV	4	1853	48411	0.11%	0.018%
52	34.707	5370	5383	5425	PV	2	1041152	27764292	60.26%	10.119%
53	34.966	5425	5427	5442	VV	9	7357	332842	0.72%	0.121%
54	35.066	5442	5444	5450	VV	5	3814	87715	0.19%	0.032%
55	35.589	5528	5533	5540	VV	5	2324	56305	0.12%	0.021%
56	36.499	5680	5688	5696	VV	7	1846	53805	0.12%	0.020%

Sum of corrected areas: 274373089

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051402\10980.D
Operator : Mclean
Acquired : 14 May 2002 8:01 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 kb
Misc Info :
Vial Number: 9
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051402\10980.D
Acq On : 14 May 2002 8:01 pm
Sample : 5/10 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

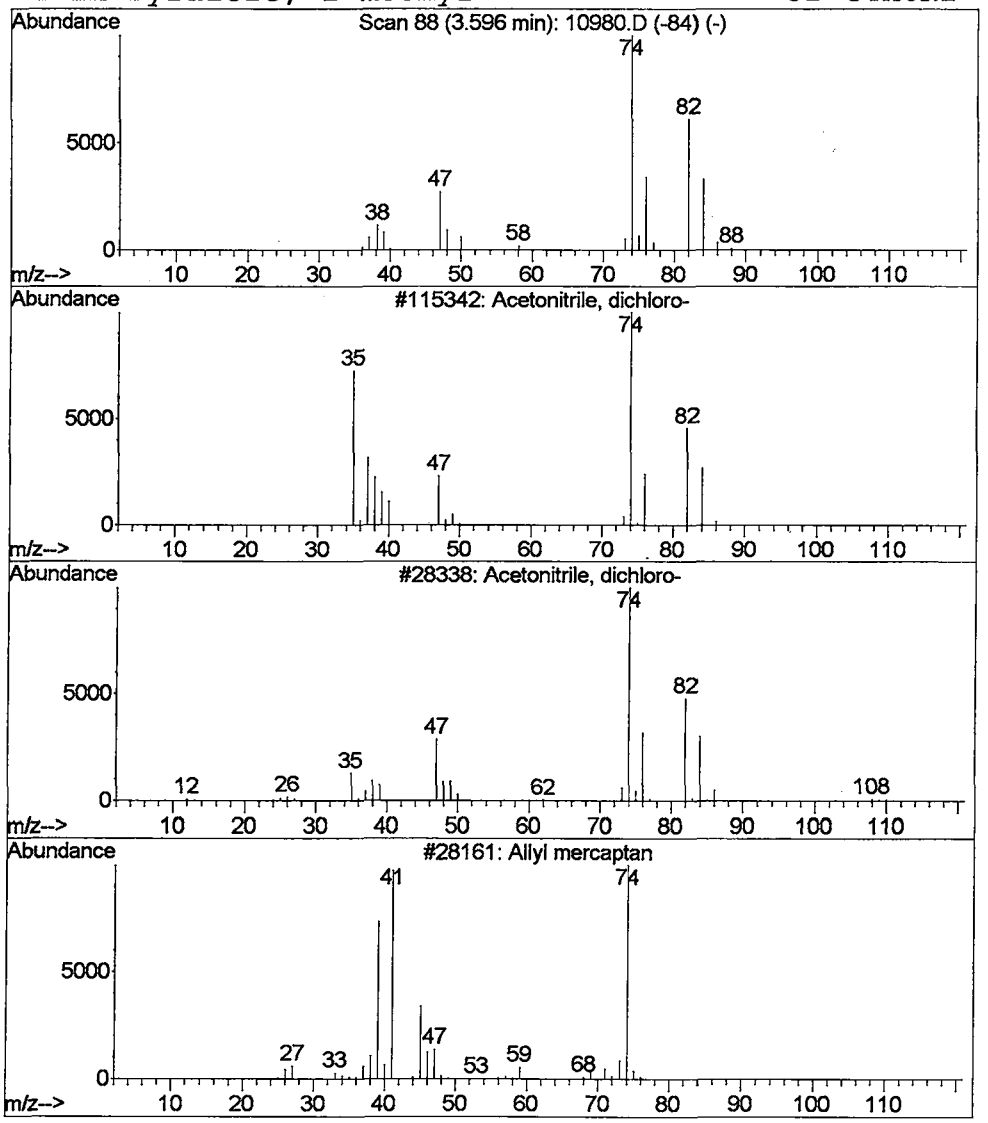
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

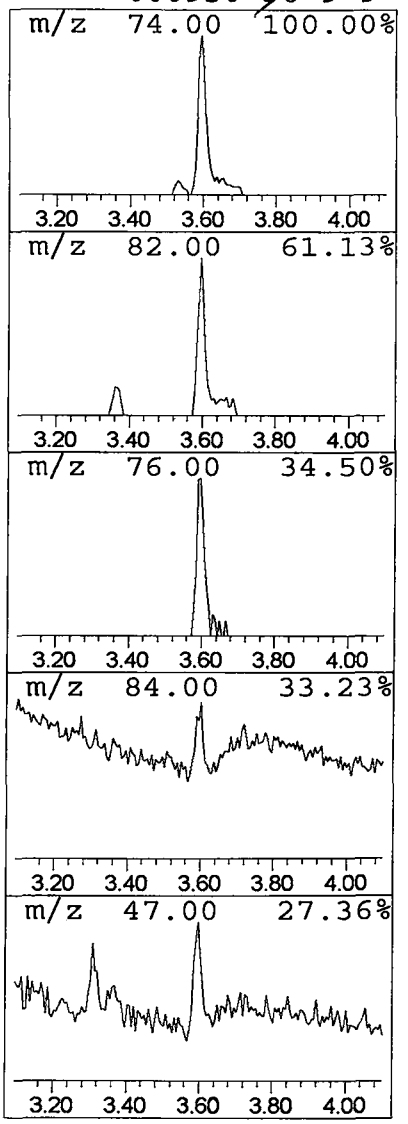
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.30 ug/L	240613	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	78
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	78
3	Allyl mercaptan	74	C3H6S	000870-23-5	9
4	1H-Pyrazole, 1-methyl-	82	C4H6N2	000930-36-9	9





Data File : C:\MSDCHEM\1\DATA\051402\10980.D
Acq On : 14 May 2002 8:01 pm
Sample : 5/10 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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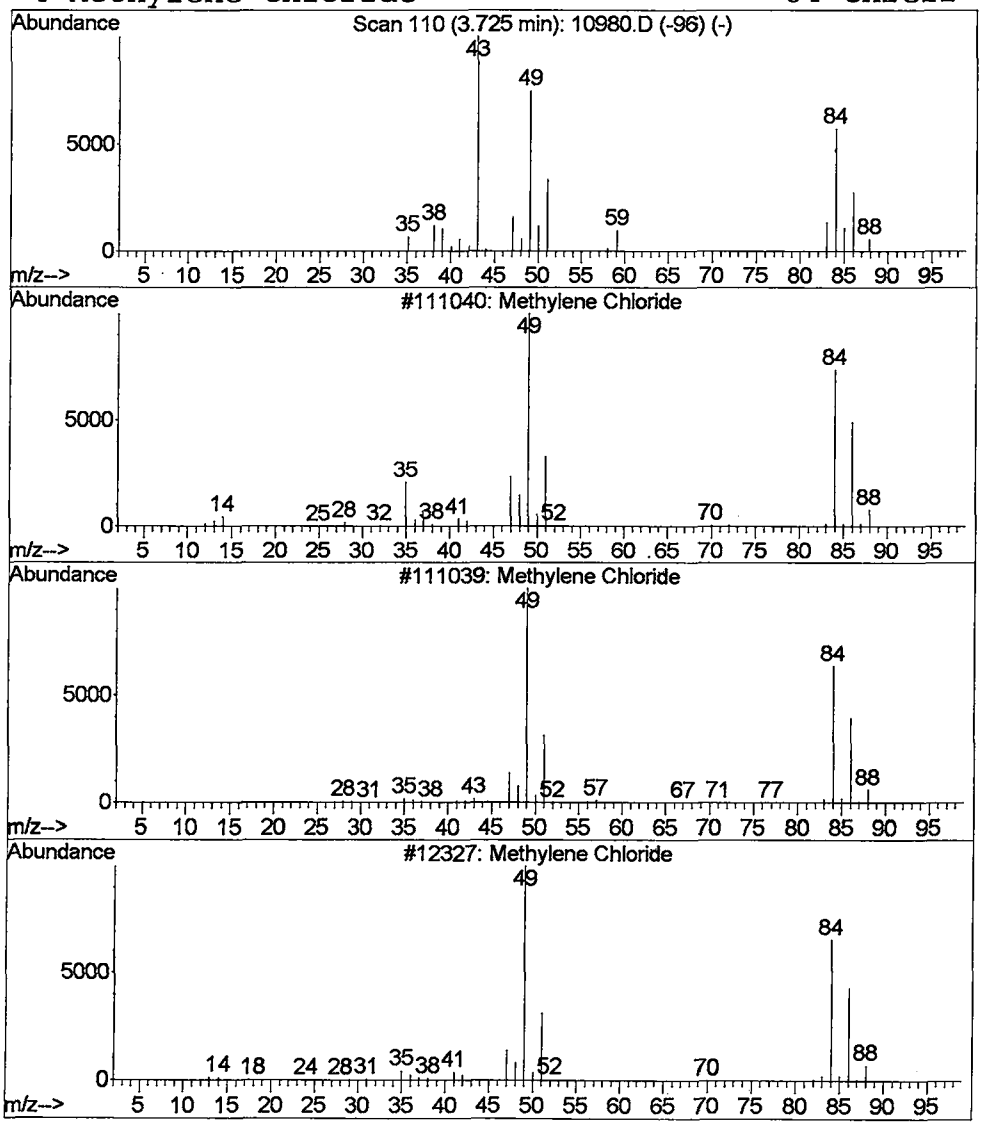
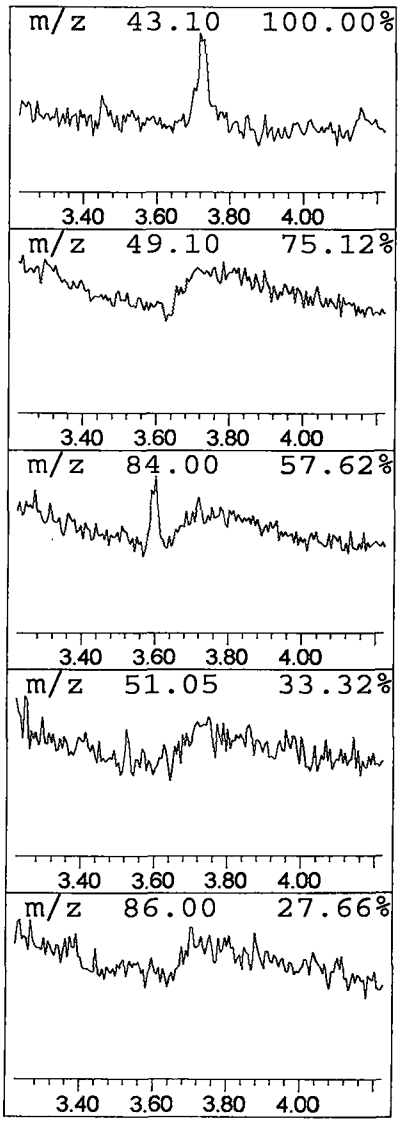
Peak Number 2 Methylene Chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	0.44 ug/L	345108	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	90
2	Methylene Chloride	84	CH2Cl2	000075-09-2	90
3	Methylene Chloride	84	CH2Cl2	000075-09-2	90
4	Methylene Chloride	84	CH2Cl2	000075-09-2	10





Data File : C:\MSDCHEM\1\DATA\051402\10980.D Vial: 9
Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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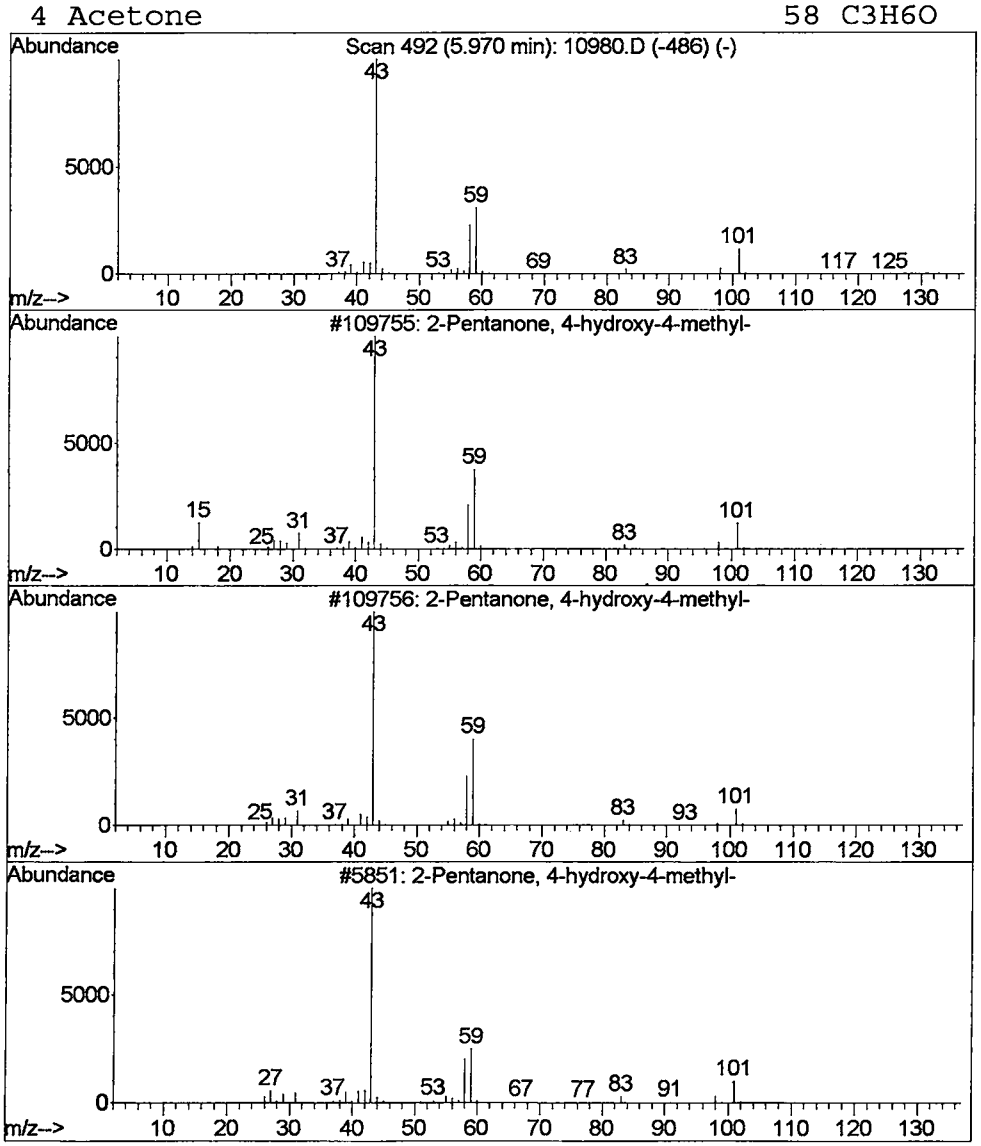
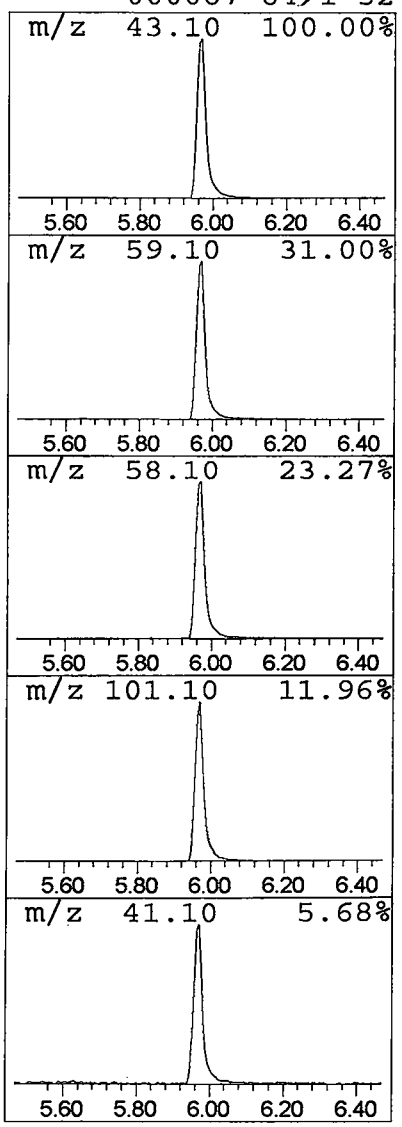
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	18.35 ug/L	14497000	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	Acetone	58	C3H6O	000067-64-1	32





Data File : C:\MSDCHEM\1\DATA\051402\10980.D Vial: 9
Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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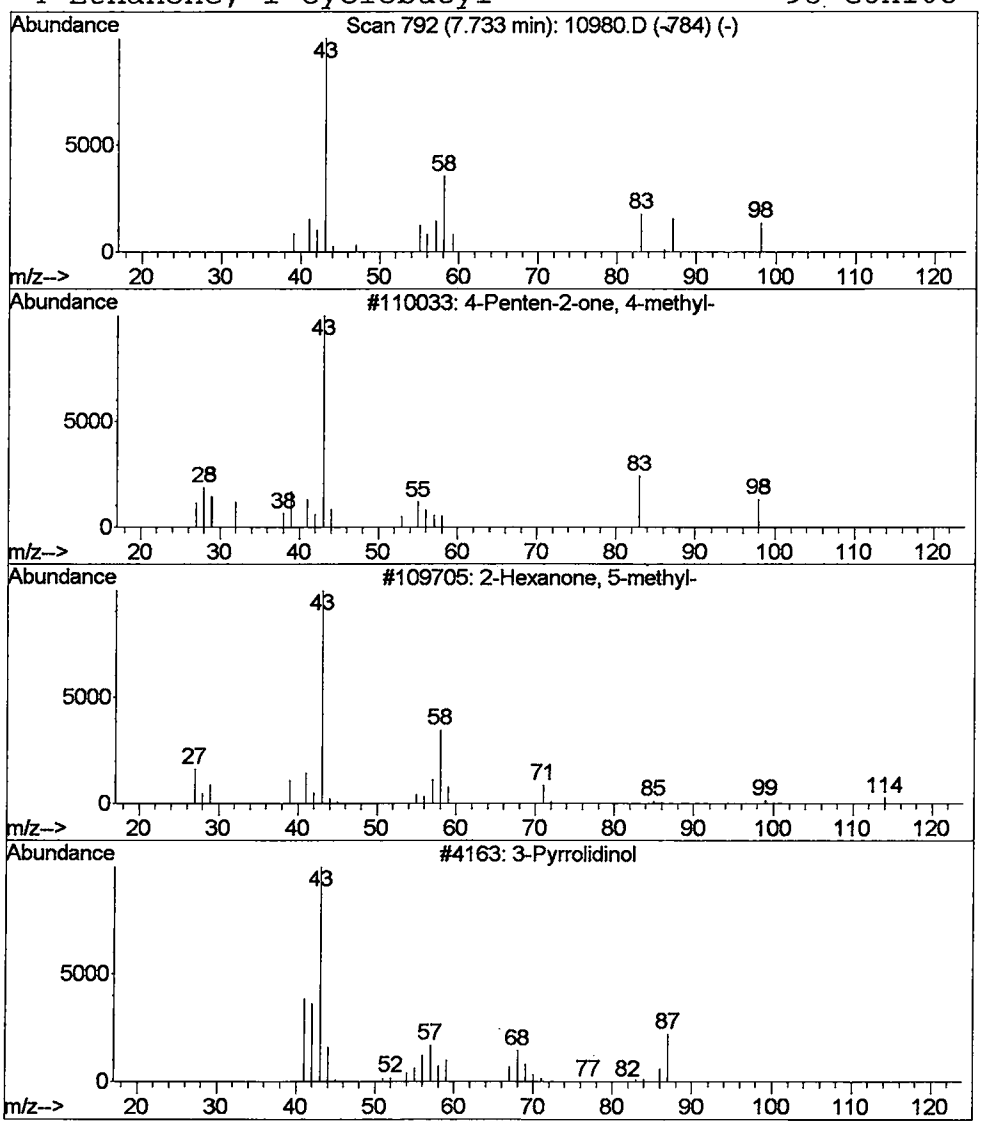
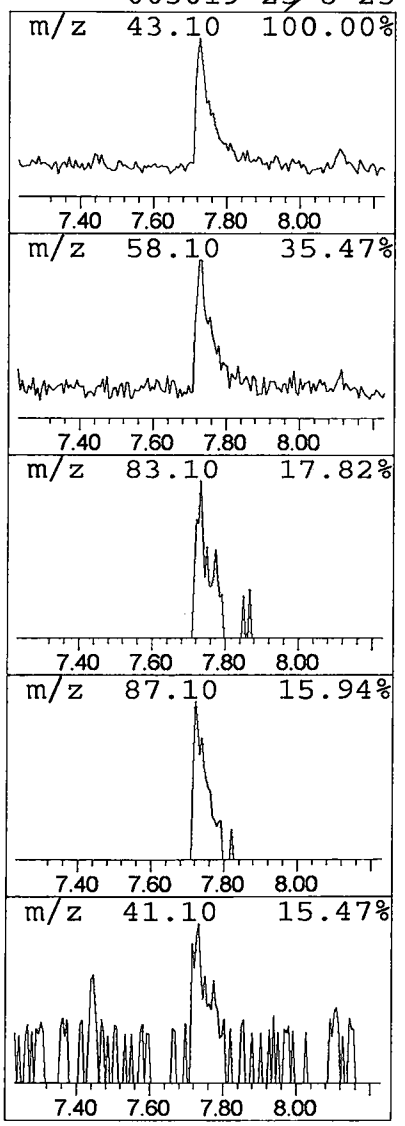
Peak Number 4 4-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.39 ug/L	310110	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	32
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	28
3	3-Pyrrolidinol	87	C4H9NO	040499-83-0	25
4	Ethanone, 1-cyclobutyl-	98	C6H10O	003019-25-8	25





Data File : C:\MSDCHEM\1\DATA\051402\10980.D Vial: 9
Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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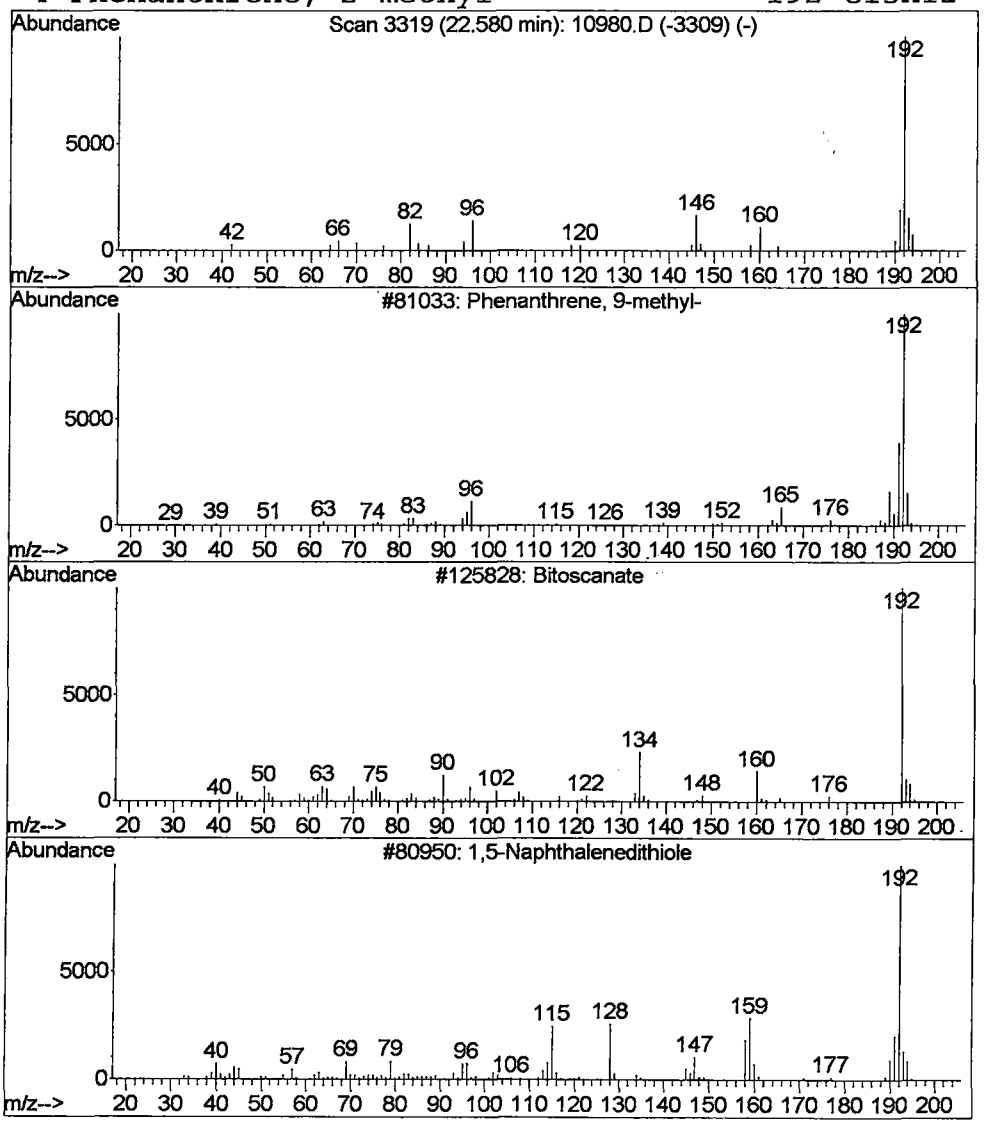
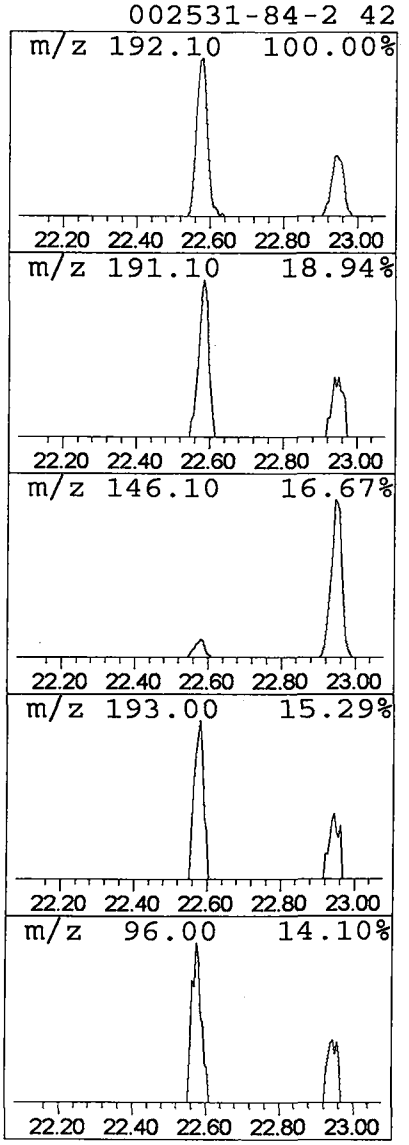
Peak Number 5 Phenanthrene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.30 ug/L	330688	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	Bitoscanate	192	C8H4N2S2	004044-65-9	52
3	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051402\10980.D Vial: 9
Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

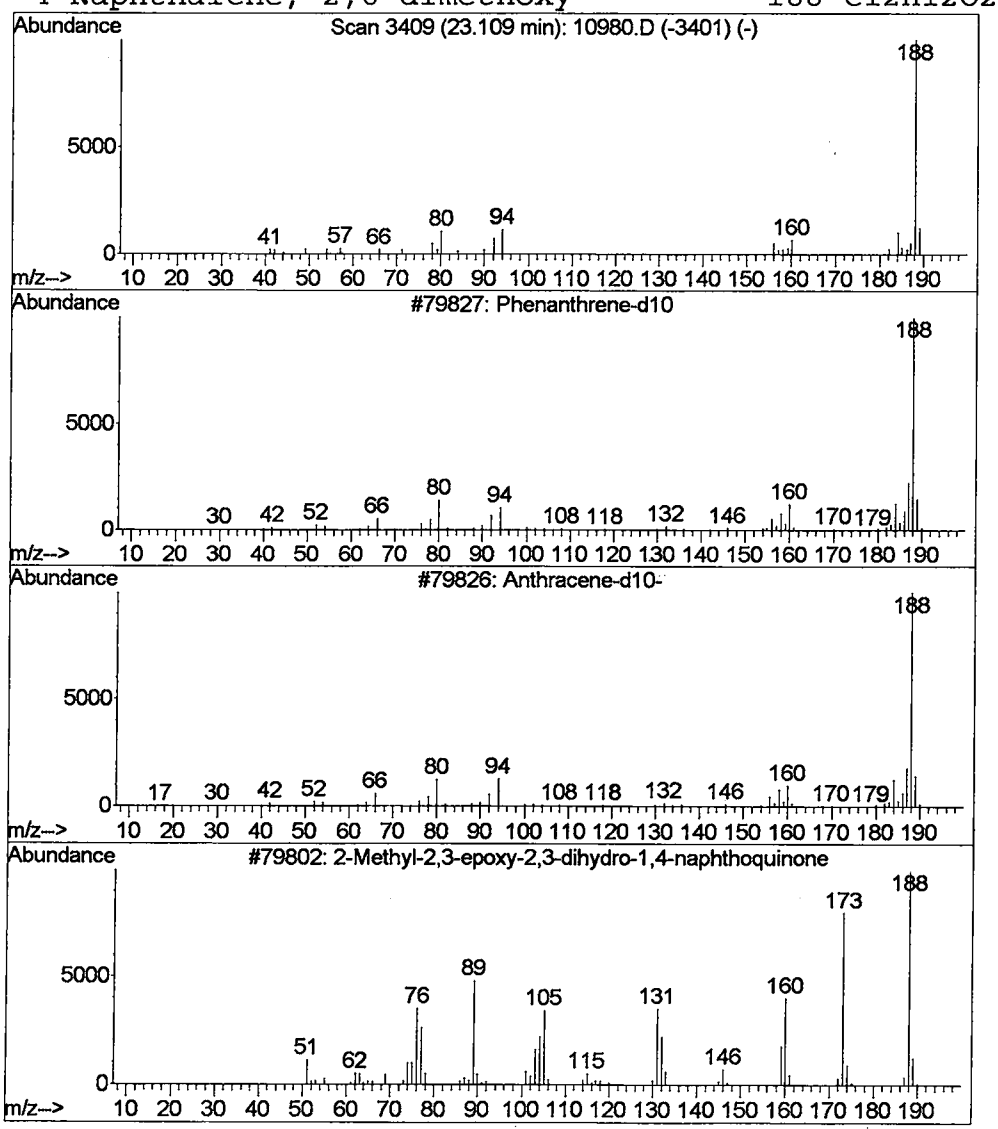
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

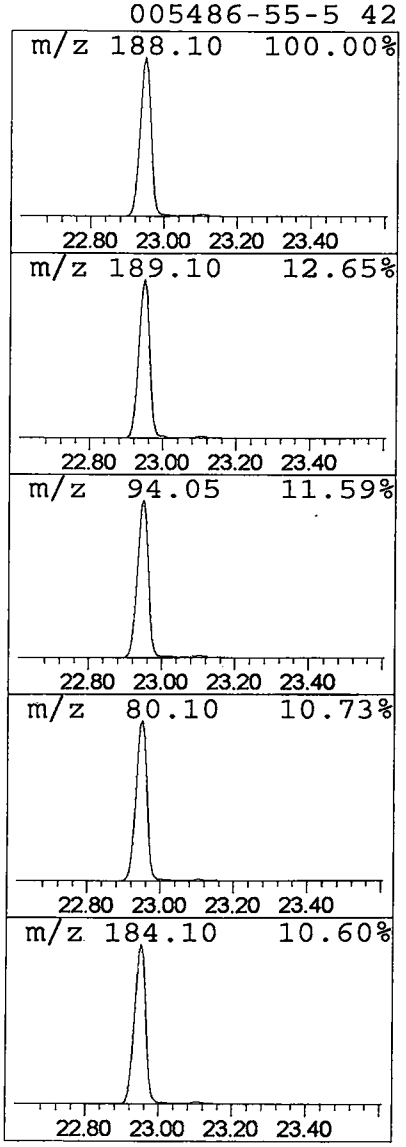
****

Peak Number 6 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.47 ug/L	520883	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	87
2	Anthracene-d10-	188	C14D10	001719-06-8	87
3	2-Methyl-2,3-epoxy-2,3-dihydro-1...	188	C11H8O3	015448-59-6	47
4	Naphthalene, 2,6-dimethoxy-	188	C12H12O2	005486-55-5	42





Library Search Compound Report

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Acq On : 14 May 2002 8:01 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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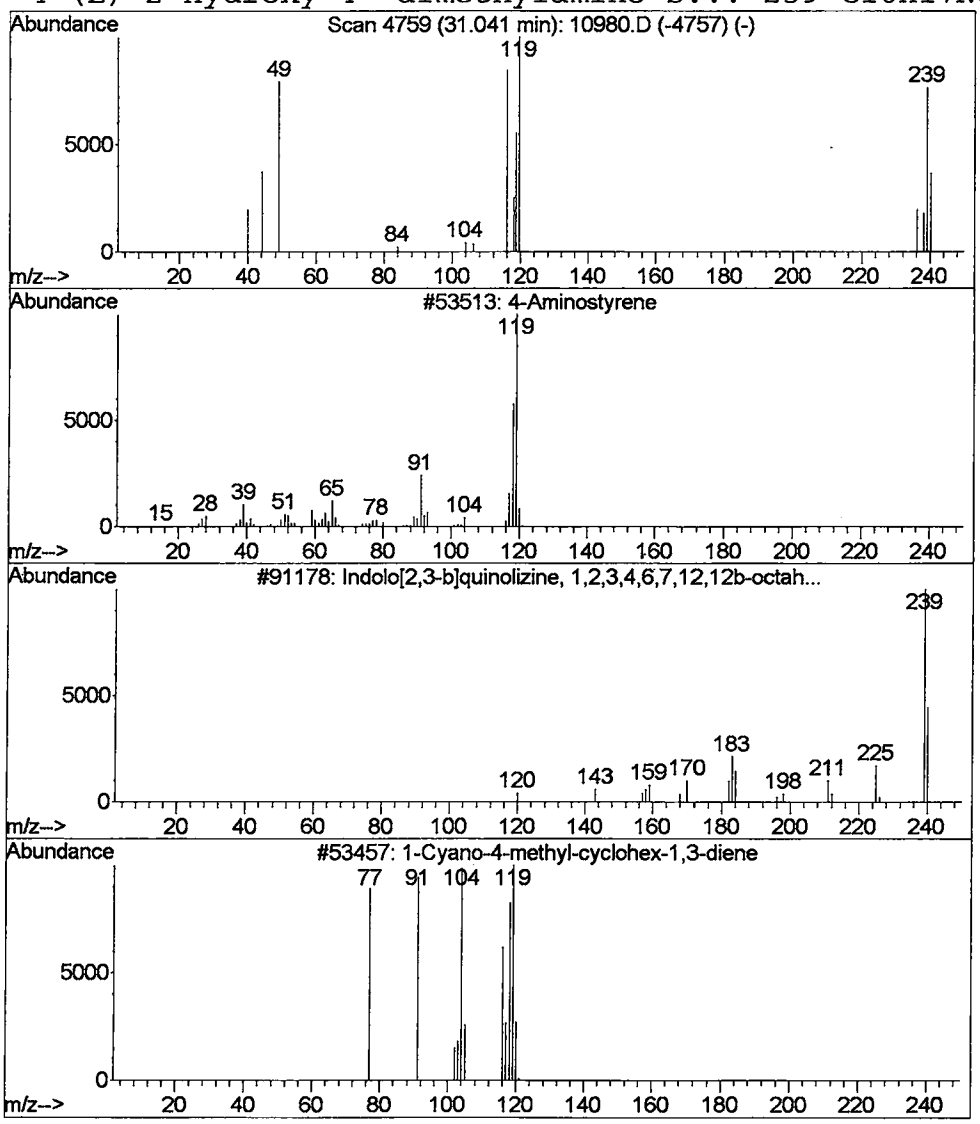
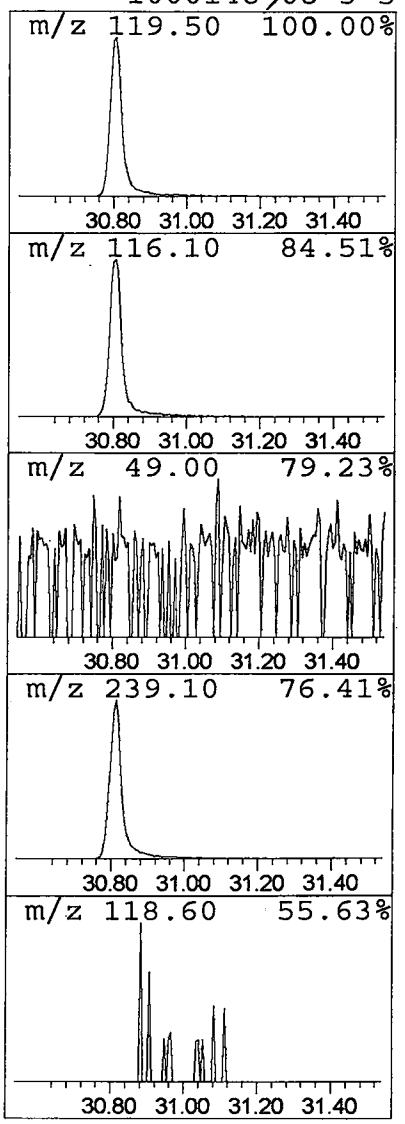
Peak Number 7 4-Aminostyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.04	0.22 ug/L	193404	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Aminostyrene	119	C8H9N	001520-21-4	9
2	Indolo[2,3-b]quinolizine, 1,2,3,...	240	C16H20N2	013233-45-9	5
3	1-Cyano-4-methyl-cyclohex-1,3-diene	119	C8H9N	1000145-76-4	5
4	(E)-2-Hydroxy-4'-dimethylamino-s...	239	C16H17NO	1000148-08-3	5





Data File : C:\MSDCHEM\1\DATA\051402\10980.D
Acq On : 14 May 2002 8:01 pm
Sample : 5/10 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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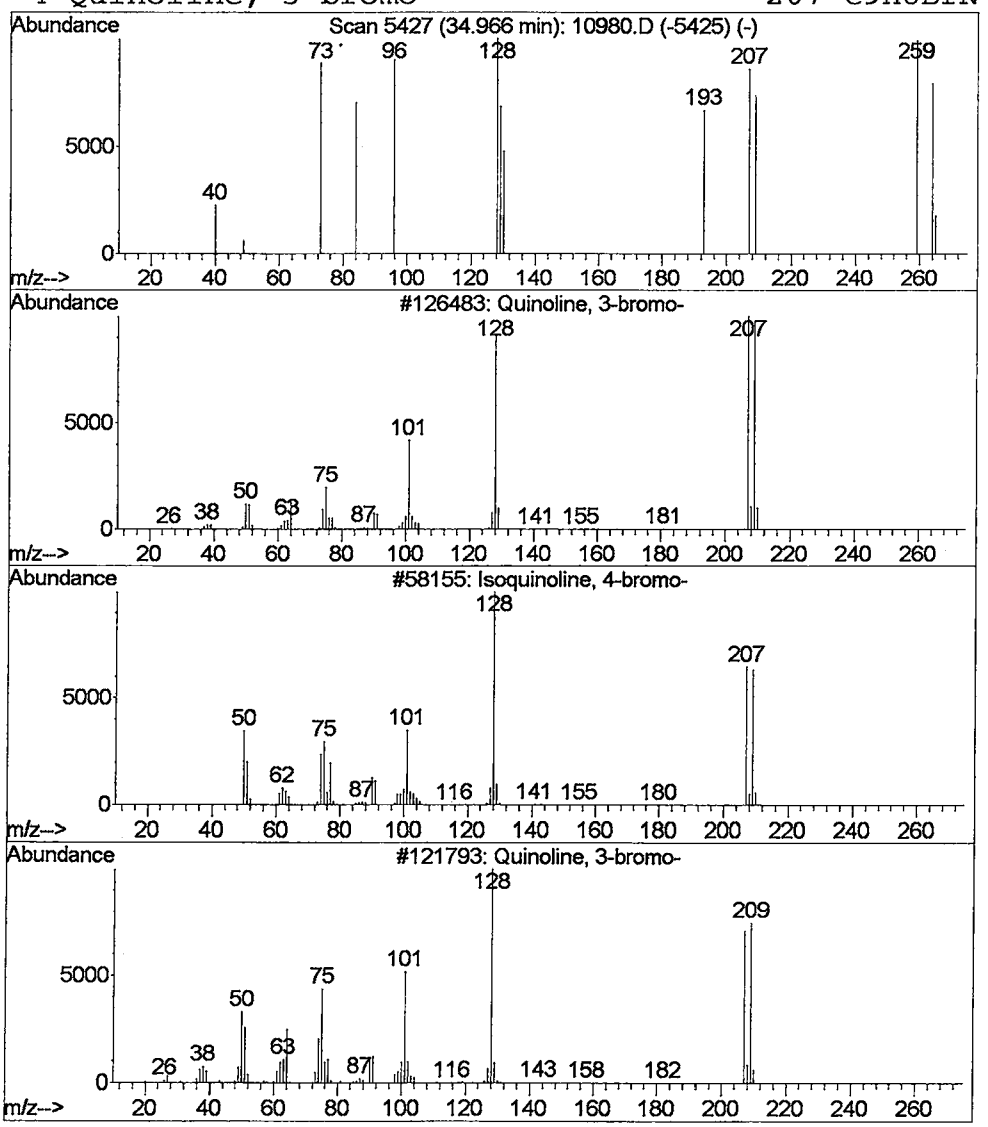
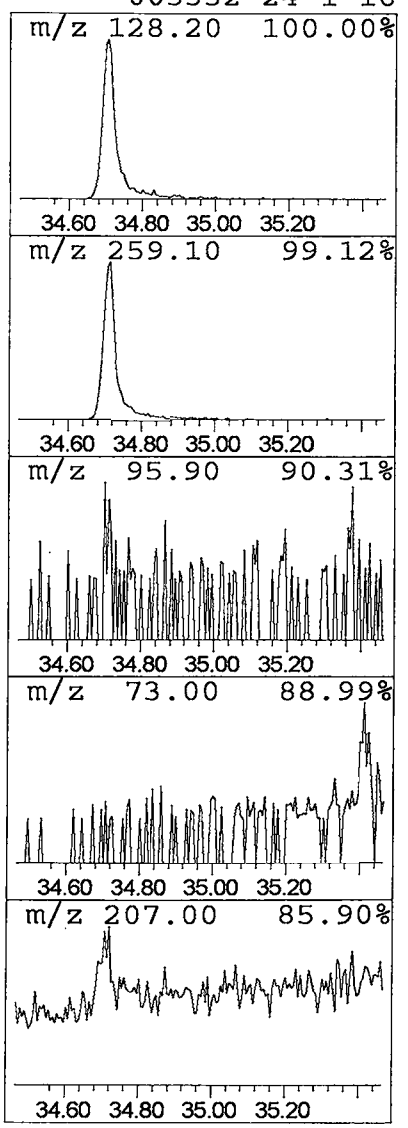
Peak Number 8 Quinoline, 3-bromo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.97	0.48 ug/L	332842	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 3-bromo-	207	C9H6BrN	005332-24-1	16
2	Isoquinoline, 4-bromo-	207	C9H6BrN	001532-97-4	16
3	Quinoline, 3-bromo-	207	C9H6BrN	005332-24-1	16
4	Quinoline, 3-bromo-	207	C9H6BrN	005332-24-1	16





Operator ID: Mclean Date Acquired: 14 May 2002 8:01 pm
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Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Acetonitrile, dic...	3.60	0.3	ug/L	240613	1	9.93	31602100	40.0
Methylene Chloride	3.73	0.4	ug/L	345108	1	9.93	31602100	40.0
2-Pentanone, 4-hy...	5.97	18.3	ug/L	14497000	1	9.93	31602100	40.0
4-Penten-2-one, 4...	7.73	0.4	ug/L	310110	1	9.93	31602100	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	330688	4	22.95	44453000	40.0
Phenanthrene-d10	23.11	0.5	ug/L	520883	4	22.95	44453000	40.0
4-Aminostyrene	31.04	0.2	ug/L	193404	5	30.81	35978900	40.0
Quinoline, 3-bromo-	34.97	0.5	ug/L	332842	6	34.71	27764300	40.0