LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.728	681	687	698	rVB	200013	315927	1.29%	0.112%
2	7.063	738	744	752	rBB	219456	326103	1.33%	0.116%
3	7.528	811	823	830	rBV	590148	939794	3.84%	0.333%
4	8.263	941	948	954	rBV	239127	386748	1.58%	0.137%
5	8.693	1014	1021	1027	rBV	189791	303201	1.24%	0.107%
6	9.957	1230	1236	1243	rBV	251086	410588	1.68%	0.145%
7	10.316	1287	1297	1302	rBV	760276	1242571	5.07%	0.440%
8	13.616	1854	1858	1862	rVV	393276	531892	2.17%	0.188%
9	13.898	1900	1906	1908	rBV	440431	701069	2.86%	0.248%
10	13.928	1908	1911	1919	rVB	628407	894889	3.65%	0.317%
11	14.210	1946	1959	1964	rBV2	936497	1508193	6.16%	0.534%
12	14.269	1964	1969	1977	rVV	475116	701292	2.86%	0.248%
13	14.604	2016	2026	2035	rVV	258127	410741	1.68%	0.146%
14	15.204	2123	2128	2133	rVV	569865	836324	3.41%	0.296%
15	15.263	2133	2138	2149	rVB	518201	783463	3.20%	0.278%
16	15.557	2183	2188	2198	rVB2	140538	297578	1.21%	0.105%
17	16.269	2297	2309	2313	rBV3	177810	436978	1.78%	0.155%
18	16.628	2365	2370	2376	rVB	282300	421545	1.72%	0.149%
19	16.710	2377	2384	2389	rVV2	158293	359179	1.47%	0.127%
20	16.780	2391	2396	2405	rVB	433035	649133	2.65%	0.230%
21	16.969	2417	2428	2431	rBV	1009064	1717786	7.01%	0.609%
22	17.022	2431	2437	2441	rVV	6541567	9927798	40.53%	3.517%
23	17.069	2441	2445	2447	rVV	659416	925971	3.78%	0.328%
24	17.104	2447	2451	2455	rVV	1976418	2536059	10.35%	0.898%
25	17.157	2455	2460	2465	rVB2	152271	281619	1.15%	0.100%
26	17.380	2489	2498	2508	rVV2	500213	987204	4.03%	0.350%
27	17.545	2521	2526	2534	rVB3	377302	673947	2.75%	0.239%
28	17.686	2545	2550	2558	rVB	206967	440422	1.80%	0.156%
29	17.839	2571	2576	2581	rBV	1206189	1890855	7.72%	0.670%
30	17.892	2581	2585	2590	rVB	1713872	2260610	9.23%	0.801%
31	17.974	2594	2599	2603	rVB	618847	805342	3.29%	0.285%
32	18.033	2603	2609	2614	rBV2	3898348	6221170	25.40%	2.204%
33	18.080	2614	2617	2623	rVB2	1098274	1660291	6.78%	0.588%
34	18.322	2650	2658	2660	rBV2	846640	1351687	5.52%	0.479%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

35	18.345	2660	2662	2668	rVB	931884	1102596	4.50%	0.391%
36	18.404	2668	2672	2679	rVB	606828	903761	3.69%	0.320%
37	18.498	2685	2688	2696	rVB3	220105	347224	1.42%	0.123%
38	18.598	2701	2705	2709	rVB	389338	509369	2.08%	0.180%
39	18.645	2709	2713	2717	rBV	322182	367335	1.50%	0.130%
40	18.686	2717	2720	2724	rVB2	298541	397429	1.62%	0.141%
41	18.774	2725	2735	2739	rBV	1029140	1933961	7.89%	0.685%
42	18.833	2739	2745	2749	rVV3	638218	1278709	5.22%	0.453%
43	18.898	2749	2756	2767	rVB5	2341504	5510307	22.49%	1.952%
44	18.980	2767	2770	2775	rVB2	500707	578872	2.36%	0.205%
45	19.063	2775	2784	2788	rBV	10278063	18579508	75.84%	6.582%
46	19.110	2788	2792	2795	rBV	641095	882023	3.60%	0.312%
47	19.145	2795	2798	2800	rVV2	282215	414666	1.69%	0.147%
48	19.192	2800	2806	2811	rVB2	3590928	5302384	21.65%	1.879%
49	19.251	2812	2816	2819	rBV	1399468	1715069	7.00%	0.608%
50	19.286	2819	2822	2826	rVB	520442	707972	2.89%	0.251%
51	19.433	2833	2847	2852	rBV	11738088	24496865	100.00%	8.679%
52	19.486	2852	2856	2858	rBV3	617447	846318	3.45%	0.300%
53	19.521	2858	2862	2866	rVB	1542801	1874244	7.65%	0.664%
54	19.574	2866	2871	2872	rBV	648538	803129	3.28%	0.285%
55	19.633	2877	2881	2885	rBV	3173069	3757331	15.34%	1.331%
56	19.751	2893	2901	2907	rBV3	1258944	3305293	13.49%	1.171%
57	19.892	2918	2925	2927	rBV3	2268511	3755144	15.33%	1.330%
58	19.951	2932	2935	2939	rVB	3082068	3415858	13.94%	1.210%
59	20.015	2941	2946	2949	rBV	1599382	2060469	8.41%	0.730%
60	20.074	2949	2956	2959	rBV2	1466837	2404850	9.82%	0.852%
61	20.168	2966	2972	2976	rBV3	1629790	2239160	9.14%	0.793%
62	20.215	2976	2980	2984	rVV2	1471904	2406919	9.83%	0.853%
63	20.257	2984	2987	2991	rVV	2669127	2952971	12.05%	1.046%
64	20.321	2995	2998	3004	rBV6	333458	526311	2.15%	0.186%
65	20.492	3018	3027	3032	rBV2	2579356	4629559	18.90%	1.640%
66	20.568	3038	3040	3044	rVB	290233	302268	1.23%	0.107%
67	20.633	3048	3051	3053	rVV2	437727	568280	2.32%	0.201%
68	20.668	3053	3057	3062	rVB	1258294	1565177	6.39%	0.555%
69	20.798	3075	3079	3081	rBV2	927289	1146196	4.68%	0.406%
70	20.827	3081	3084	3087	rVV	1984320	2673839	10.92%	0.947%
71	20.863	3087	3090	3094	rVV	1623100	2251287	9.19%	0.798%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

72	20.910	3094	3098	3102	rVV2	1506310	2413659	9.85%	0.855%
73	20.968	3105	3108	3113	rVB	1199686	1718918	7.02%	0.609%
74	21.092	3118	3129	3133	rBV	10725646	14314836	58.44%	5.071%
75	21.186	3136	3145	3149	rVV2	7849805	16987166	69.34%	6.018%
76	21.239	3149	3154	3161	rVB	8559359	12298966	50.21%	4.357%
77	21.304	3161	3165	3168	rBV3	563867	867850	3.54%	0.307%
78	21.345	3168	3172	3178	rVB	1387438	1793263	7.32%	0.635%
79	21.421	3178	3185	3189	rBV3	1998909	3171735	12.95%	1.124%
80	21.504	3194	3199	3203	rVV3	1191391	2403552	9.81%	0.852%
81	21.545	3203	3206	3216	rVV4	687427	1881032	7.68%	0.666%
82	21.639	3219	3222	3225	rVV3	818294	1257589	5.13%	0.446%
83	21.674	3225	3228	3231	rVV2	718748	1148045	4.69%	0.407%
84	21.733	3231	3238	3241	rVV	2004008	3924114	16.02%	1.390%
85	21.780	3243	3246	3249	rVV	1108424	1536018	6.27%	0.544%
86	21.839	3253	3256	3259	rVV3	833613	1236062	5.05%	0.438%
87	21.880	3260	3263	3266	rVV2	681202	1073373	4.38%	0.380%
88	21.921	3266	3270	3274	rVV2	1278446	2323911	9.49%	0.823%
89	21.957	3274	3276	3281	rVV	925773	1127768	4.60%	0.400%
90	22.009	3281	3285	3290	rVB2	796571	1232196	5.03%	0.437%
91	22.215	3316	3320	3324	rBV4	466512	738286	3.01%	0.262%
92	22.486	3361	3366	3370	rBV3	632198	1077863	4.40%	0.382%
93	22.756	3401	3412	3416	rBV2	5335259	15615001	63.74%	5.532%
94	22.904	3432	3437	3442	rVB	1248397	1859254	7.59%	0.659%
95	23.215	3482	3490	3495	rBV	3307876	7099848	28.98%	2.515%
96	23.321	3500	3508	3514	rVB	5048104	10921892	44.58%	3.869%
97	23.398	3515	3521	3525	rBV	1042473	2120477	8.66%	0.751%
98	23.451	3525	3530	3535	rVB2	1756905	3121589	12.74%	1.106%
99	25.650	3891	3904	3910	rVB3	2094899	7652546	31.24%	2.711%
100	26.345	4010	4022	4033	rVB	1847779	6696096	27.33%	2.372%

Sum of corrected areas: 282263527

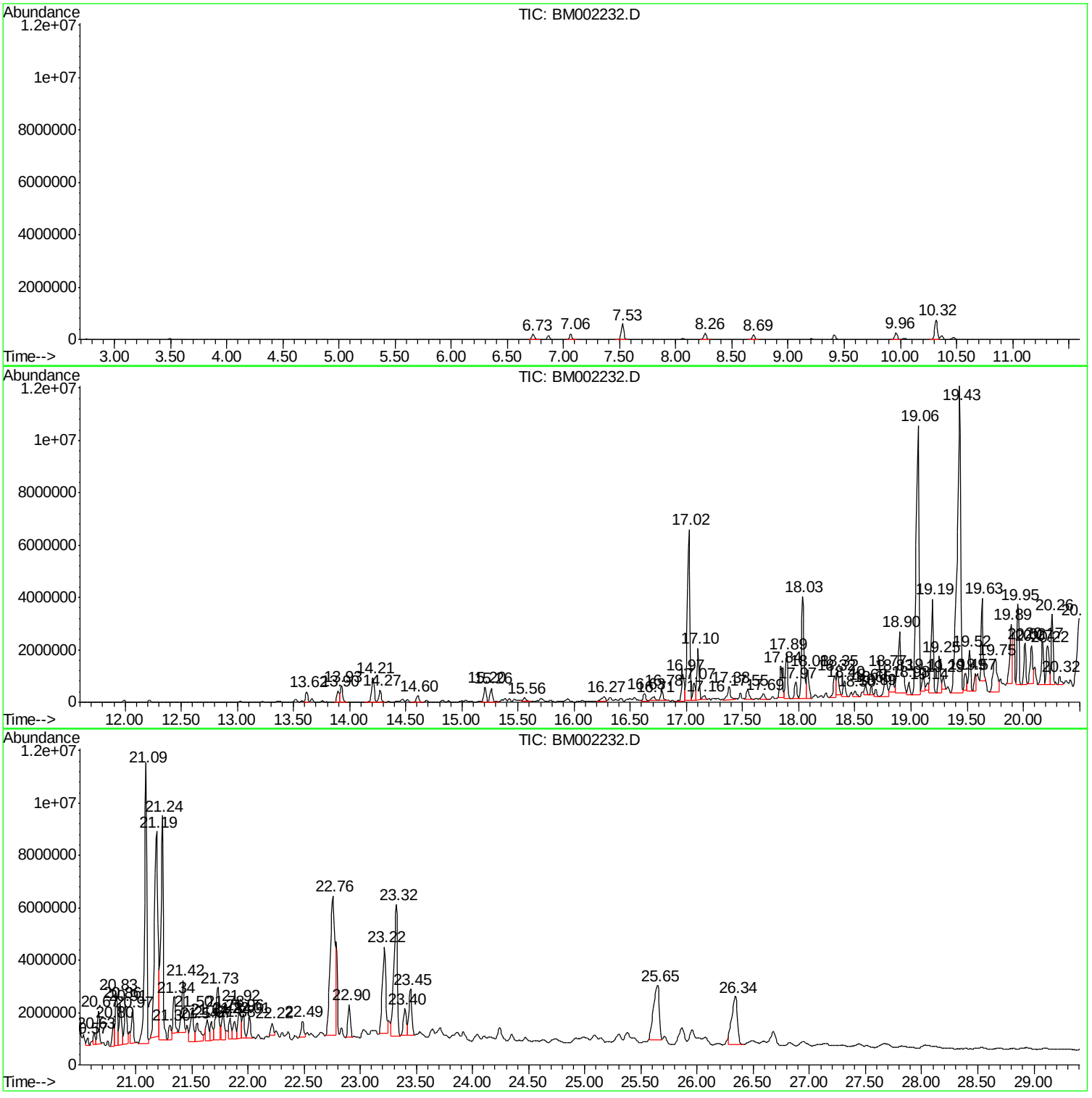
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

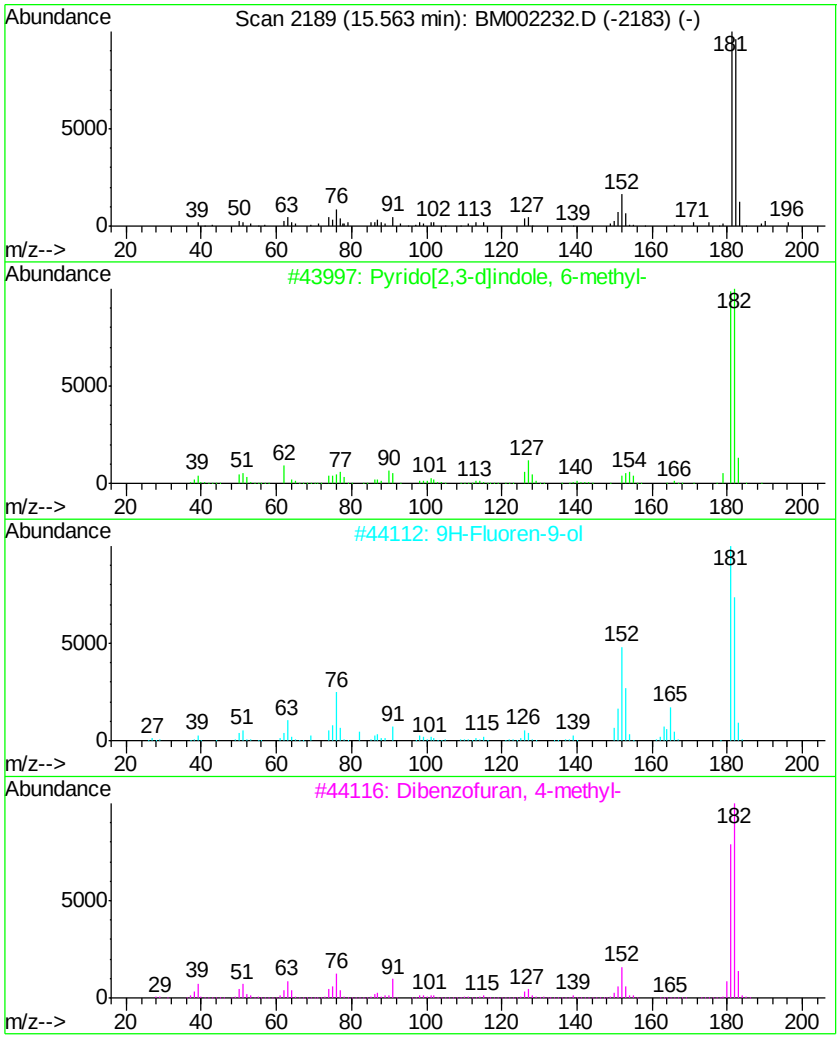
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

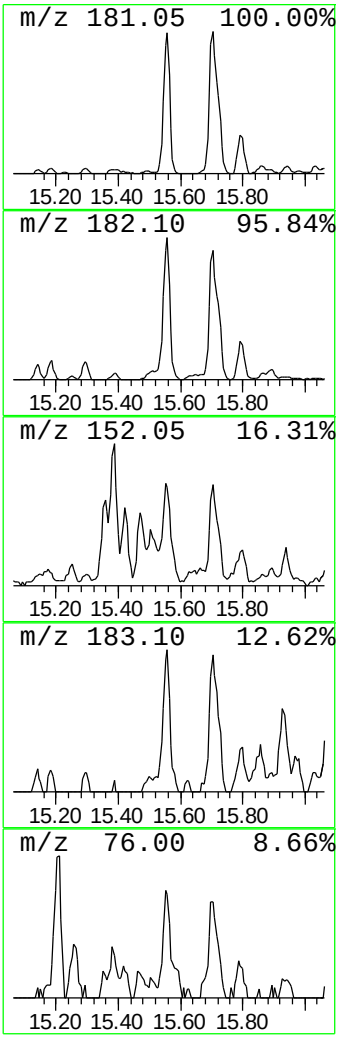
****

Peak Number 1 Pyrido[2,3-d]indole, 6-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	3.95 ng/ul	297578	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

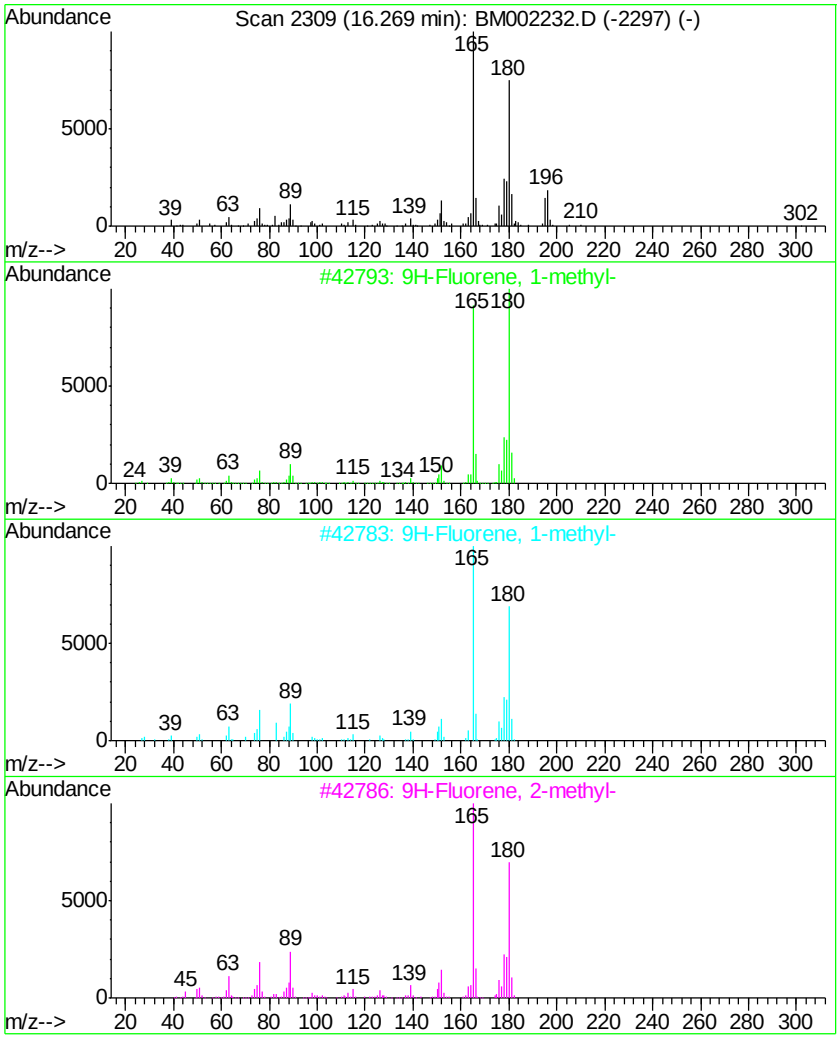
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

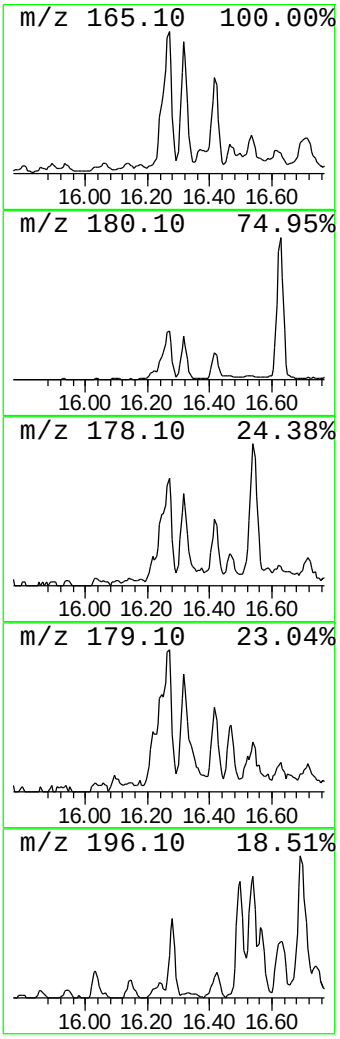
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	5.09 ng/ul	436978	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

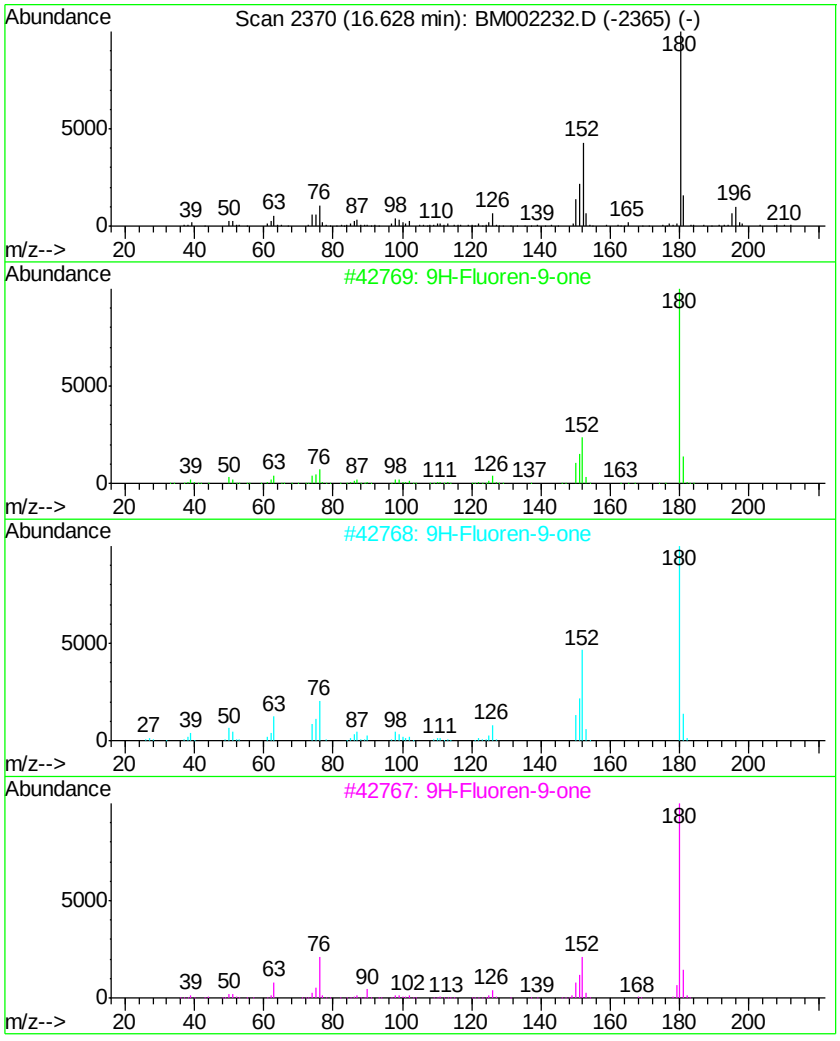
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

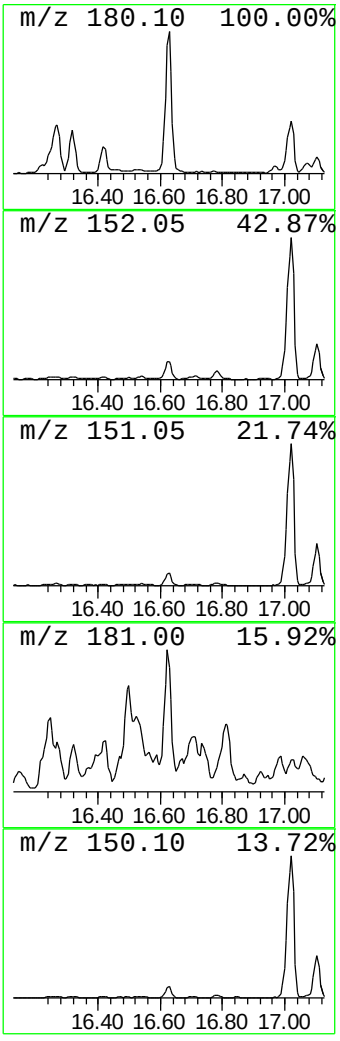
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	4.91 ng/ul	421545	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

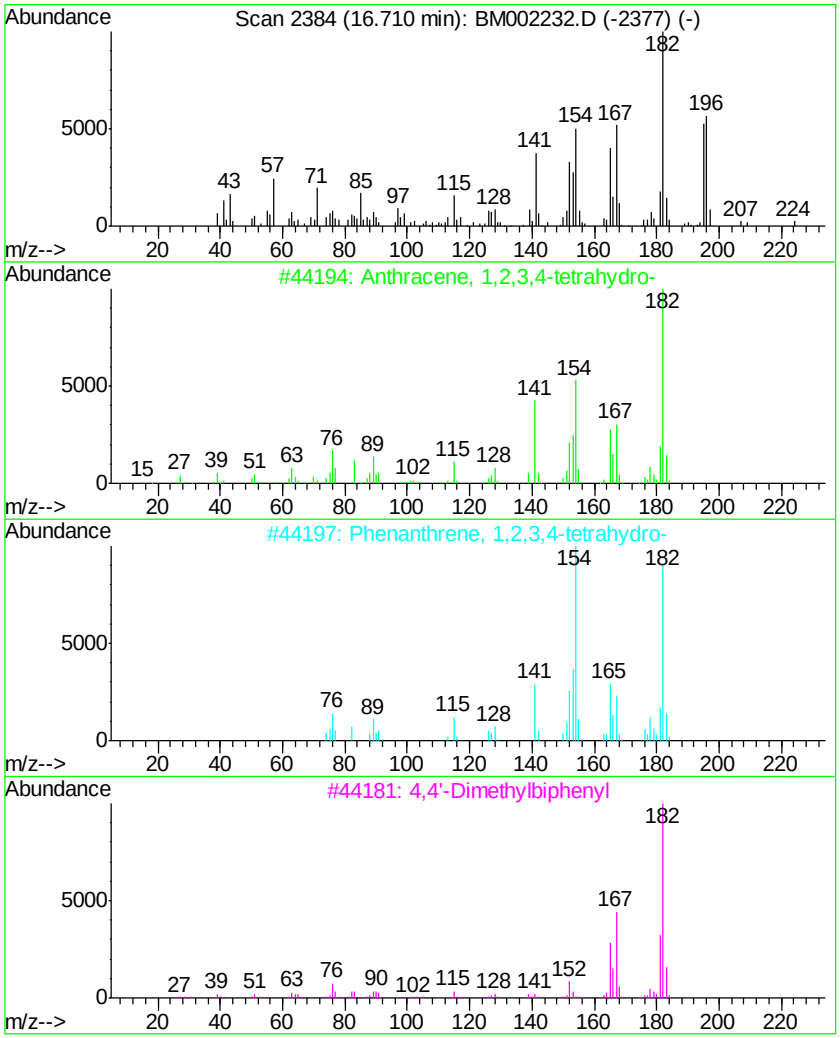
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

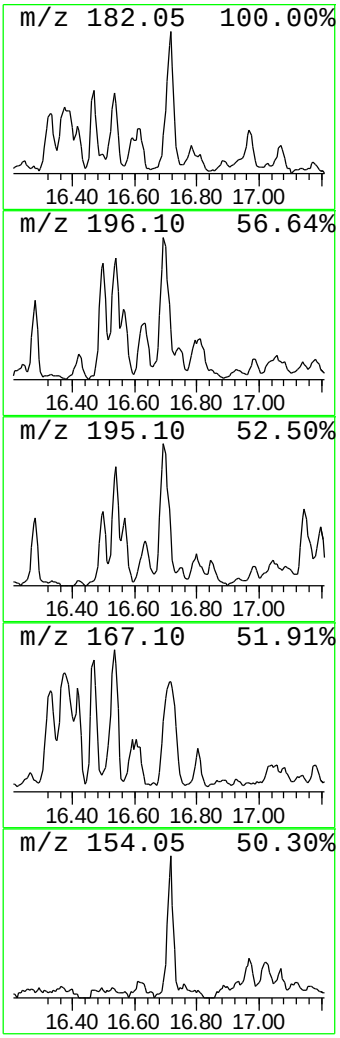
****

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	4.18 ng/ul	359179	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	78
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

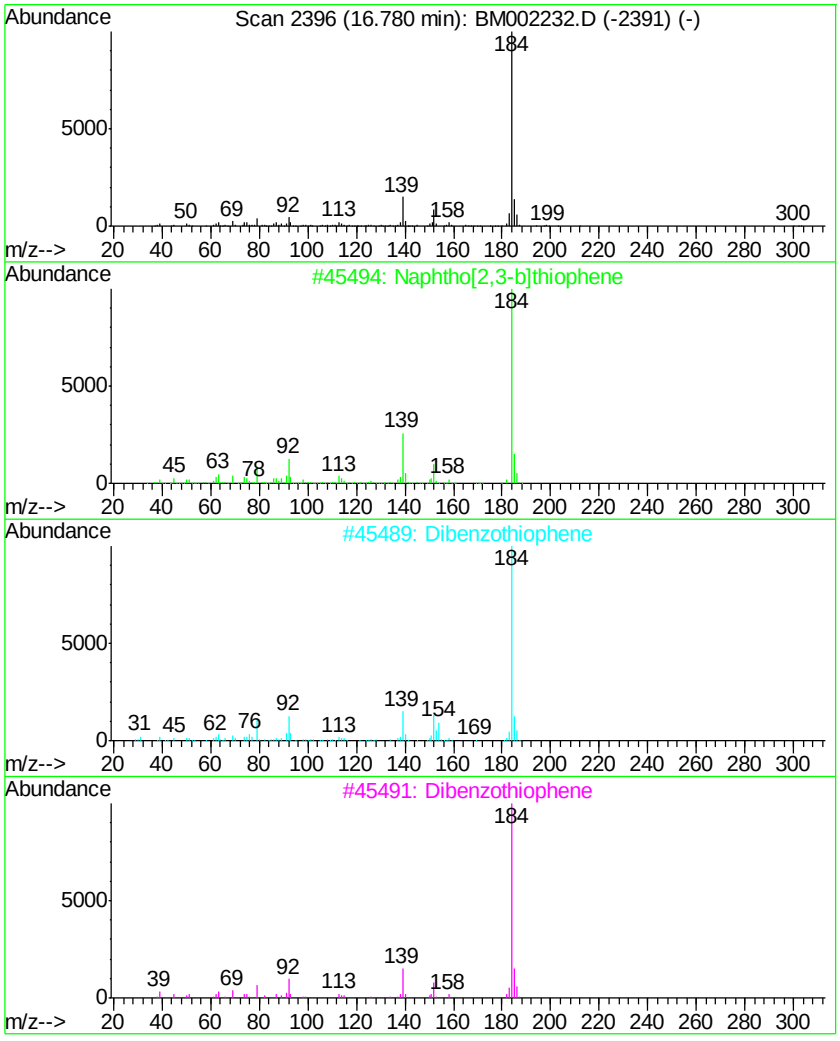
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

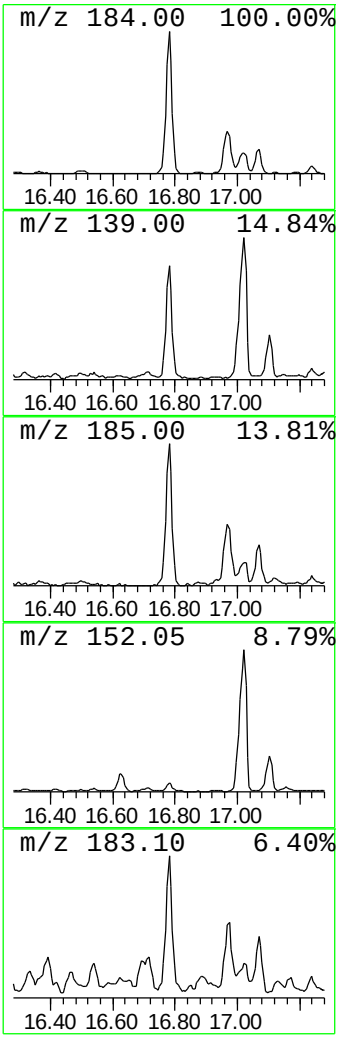
****

Peak Number 5 Naphtho[2,3-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	7.56 ng/ul	649133	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

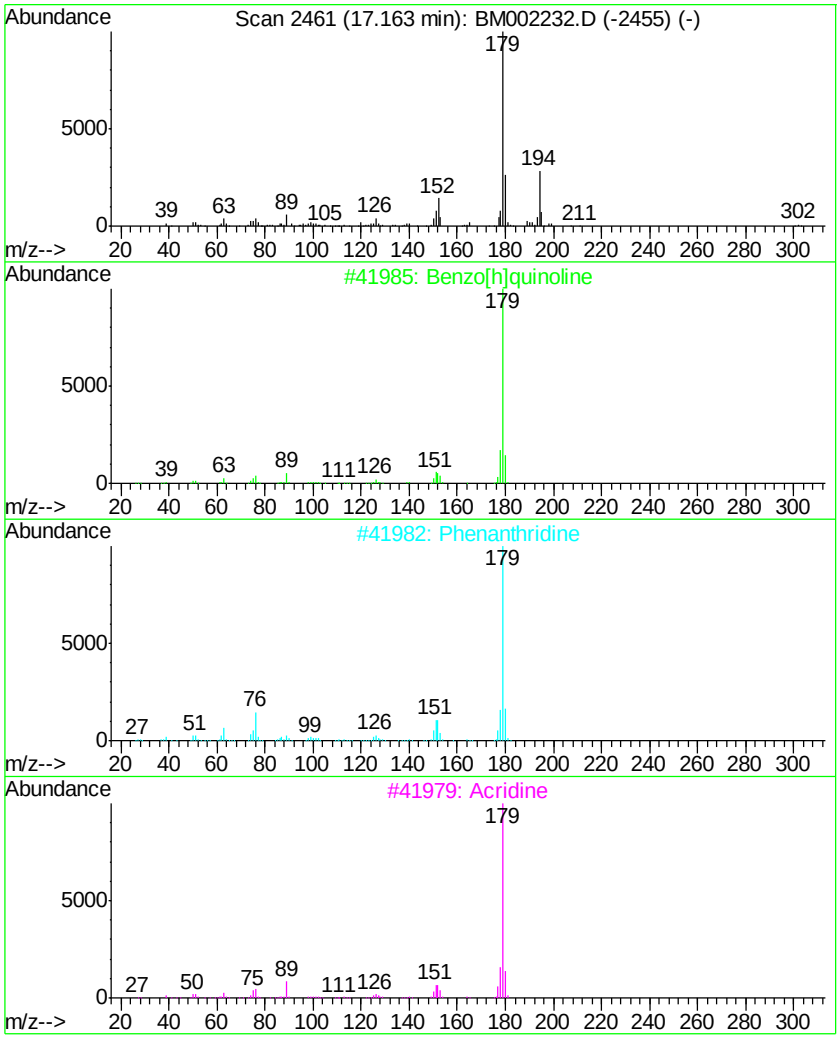
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

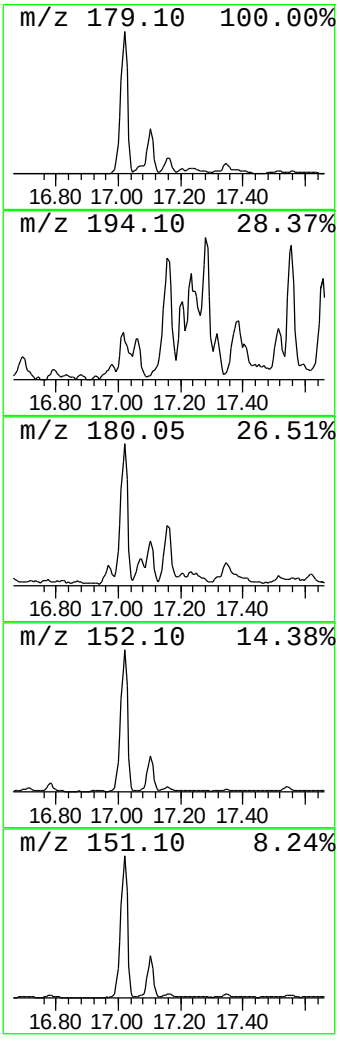
****

Peak Number 6 Benzo[h]quinoline Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	3.28 ng/ul	281619	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	60
2	Phenanthridine	179	C13H9N	000229-87-8	60
3	Acridine	179	C13H9N	000260-94-6	60
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	59
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

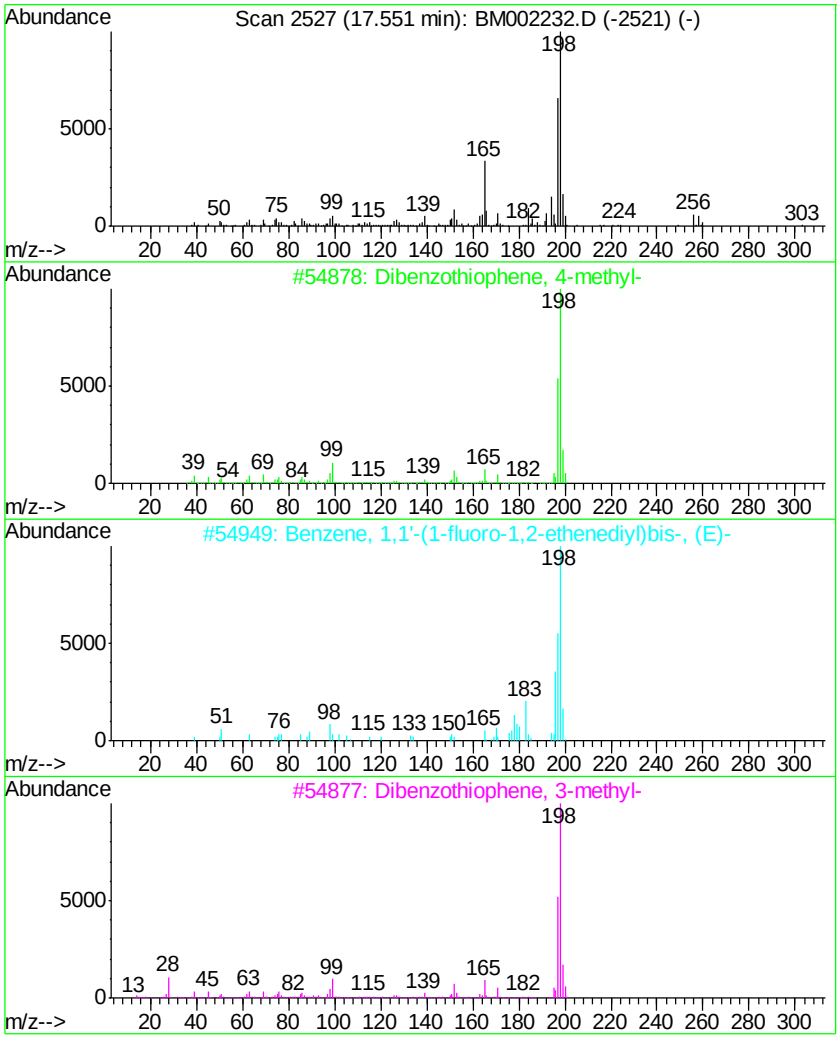
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

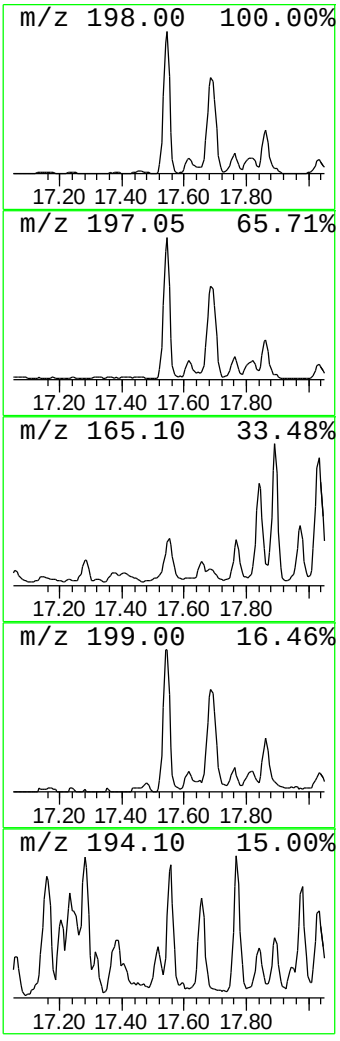
****

Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	7.85 ng/ul	673947	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	80
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
4	Thioxanthene	198	C13H10S	000261-31-4	70
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

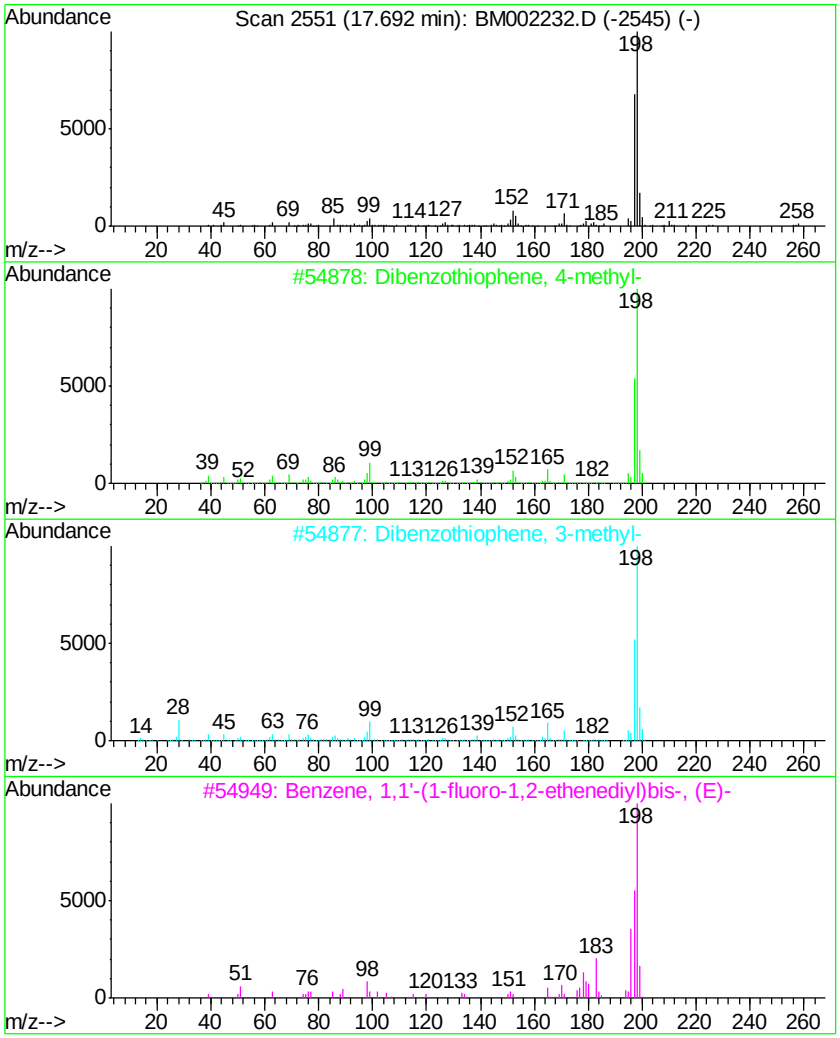
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

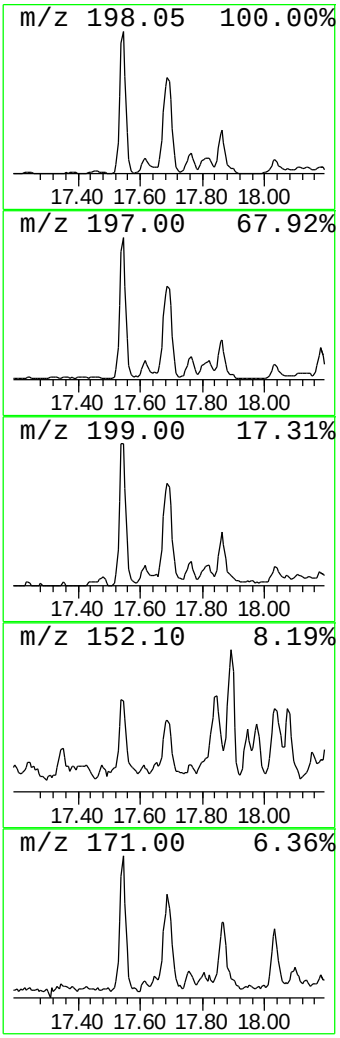
****

Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	5.13 ng/ul	440422	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

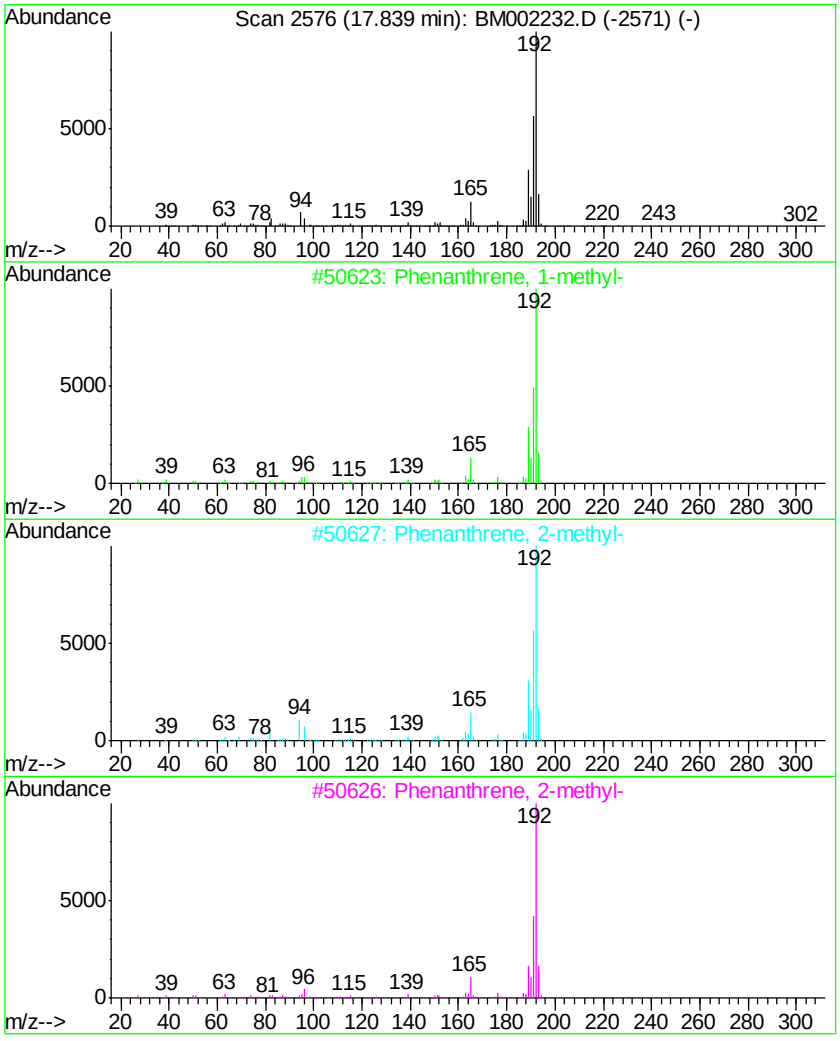
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

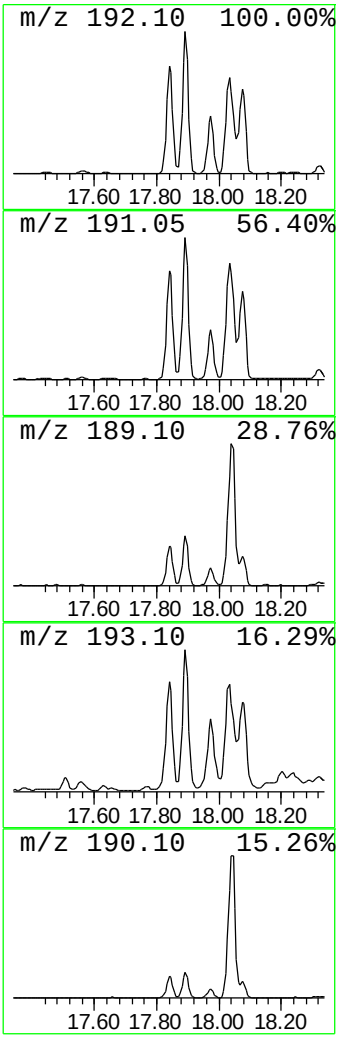
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	22.02 ng/ul	1890860	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

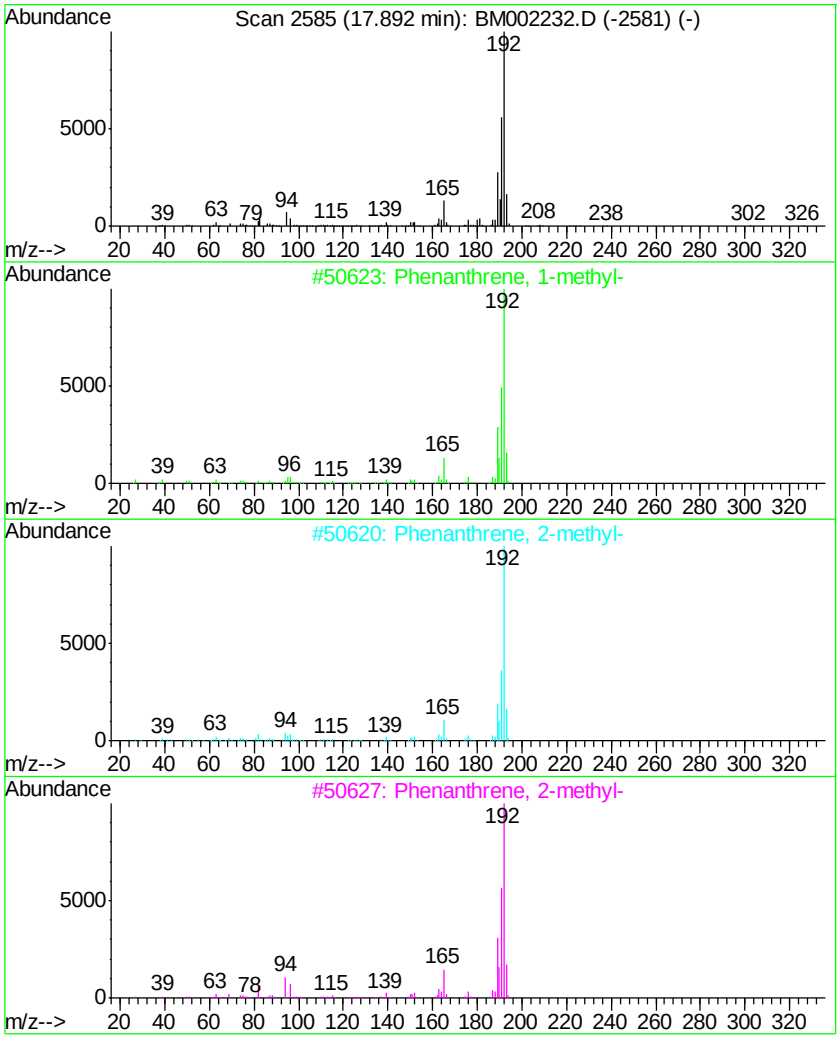
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

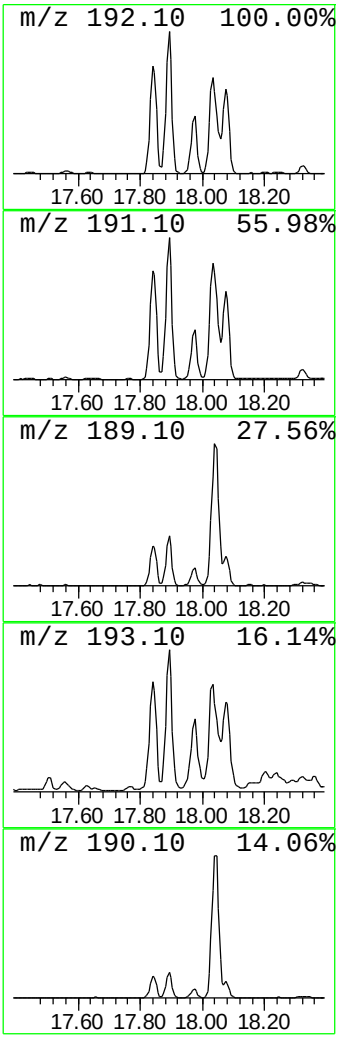
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	26.32 ng/ul	2260610	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

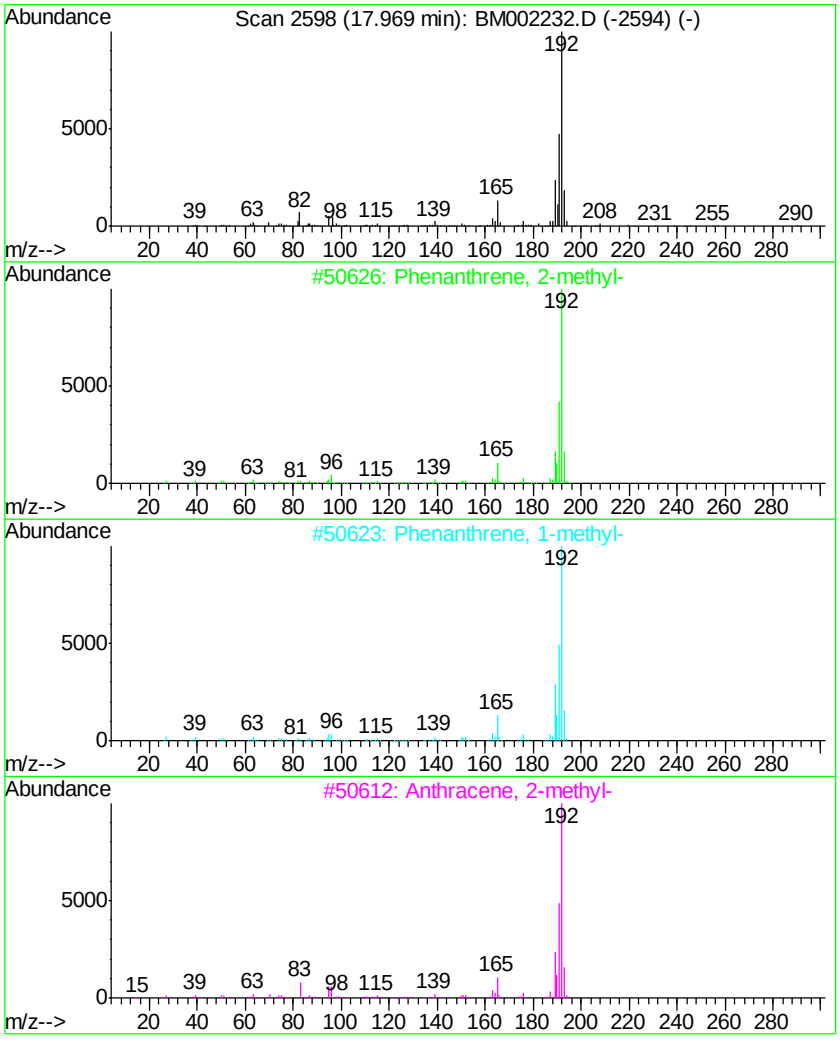
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

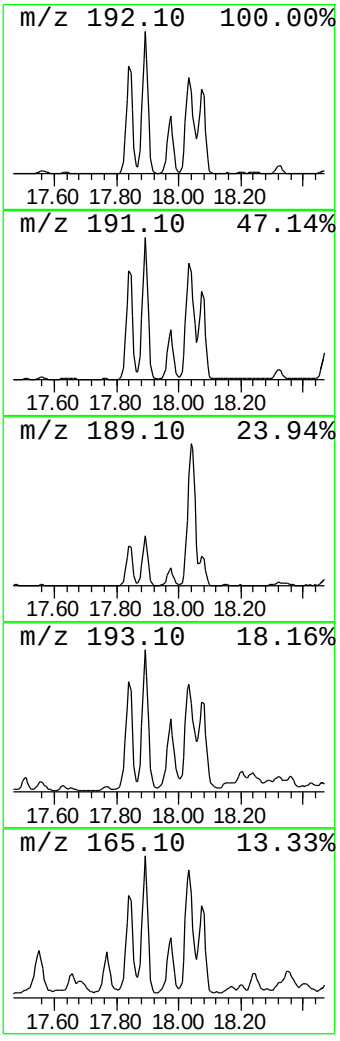
****

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	9.38 ng/ul	805342	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

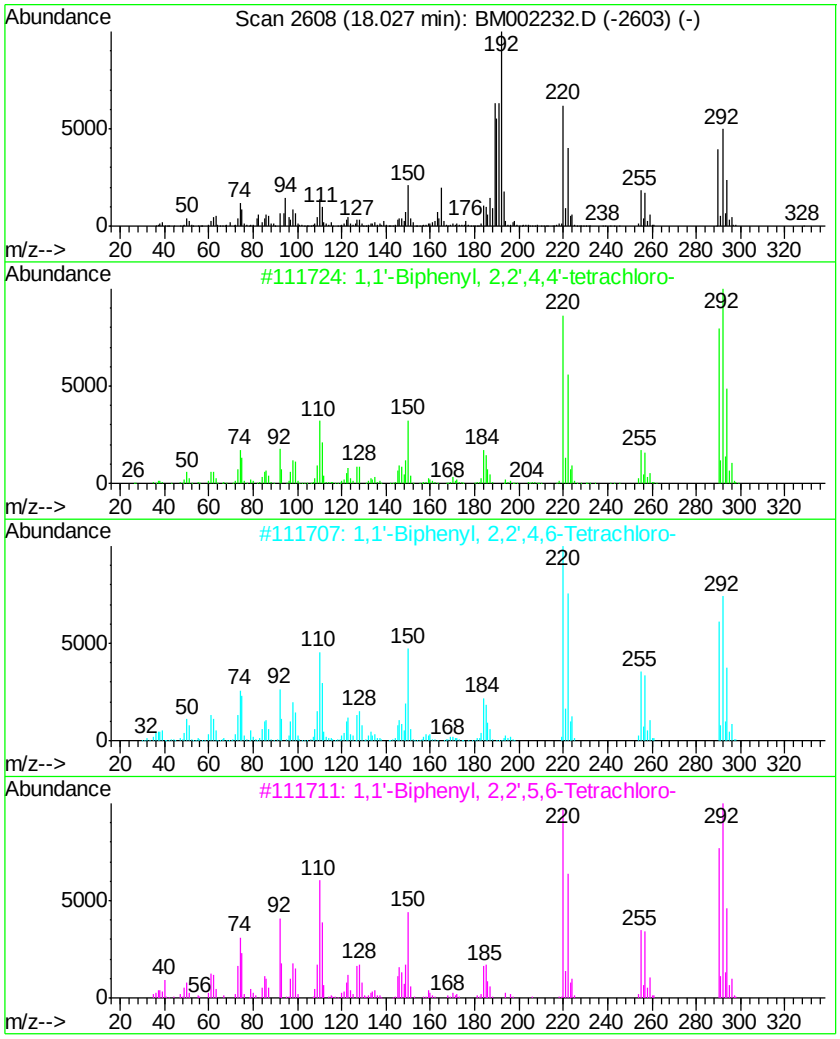
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

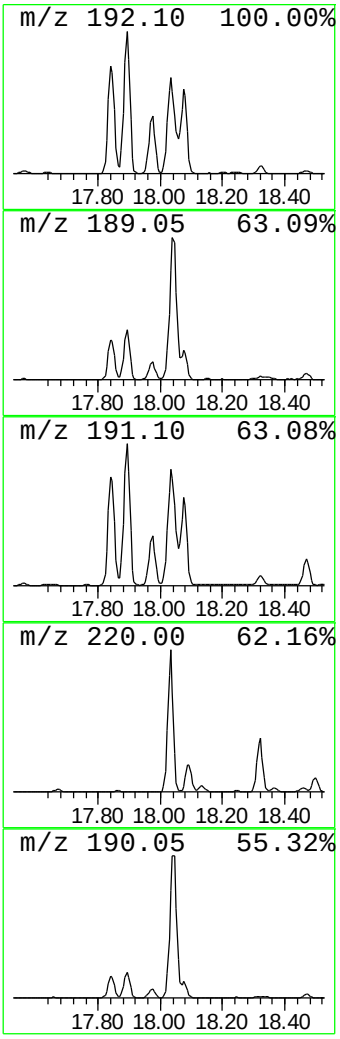
****

Peak Number 12 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	72.43 ng/ul	6221170	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	95
2	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	95
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	95
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	95
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

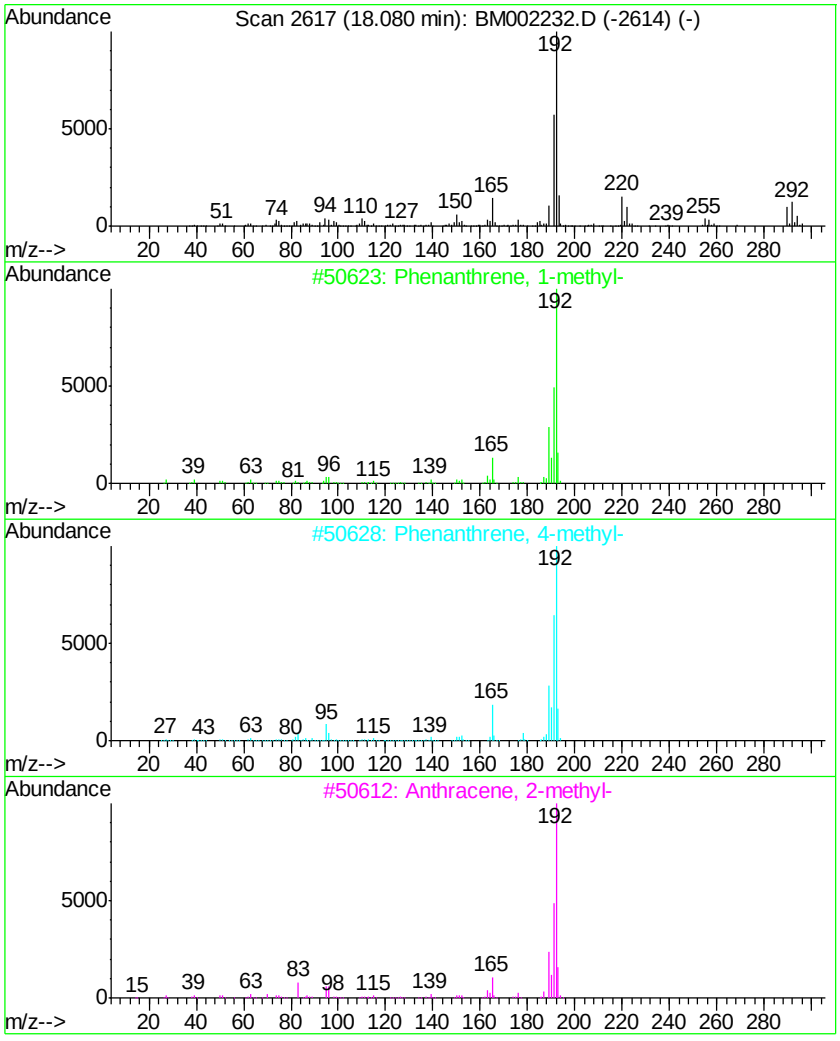
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

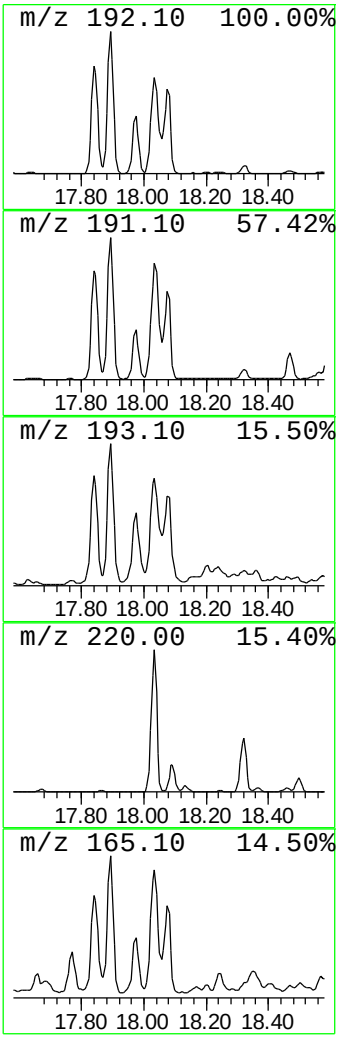
****

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	19.33 ng/ul	1660290	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

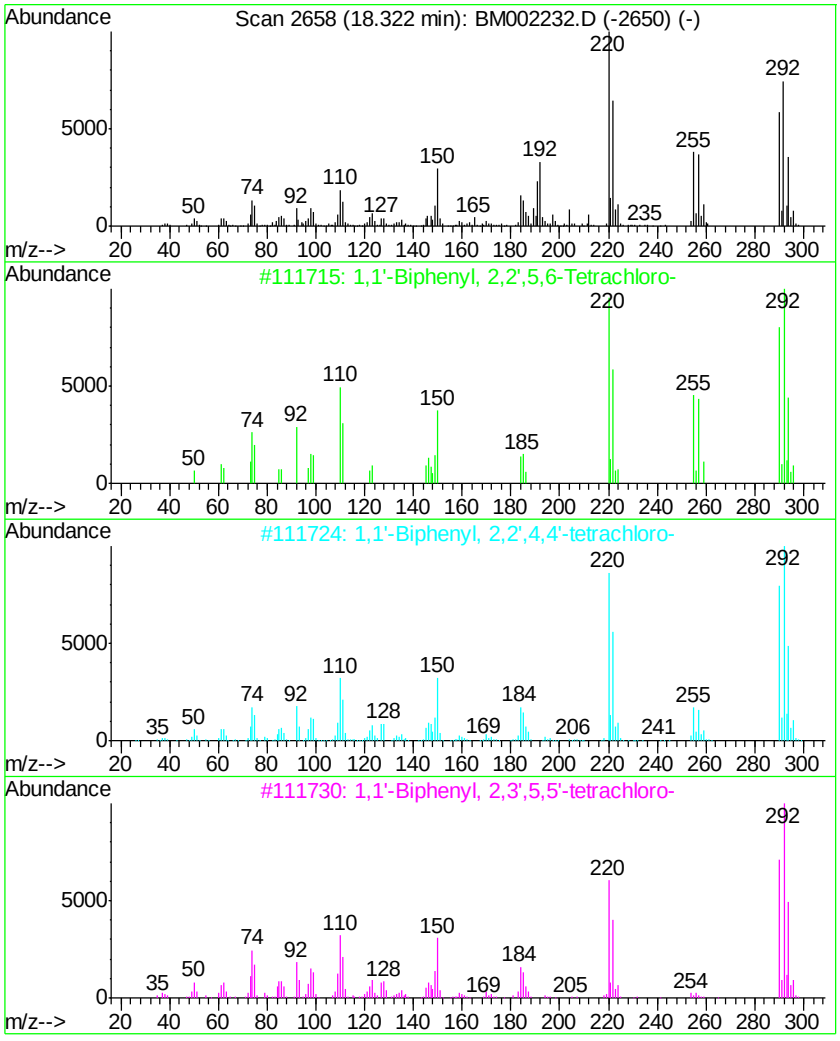
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

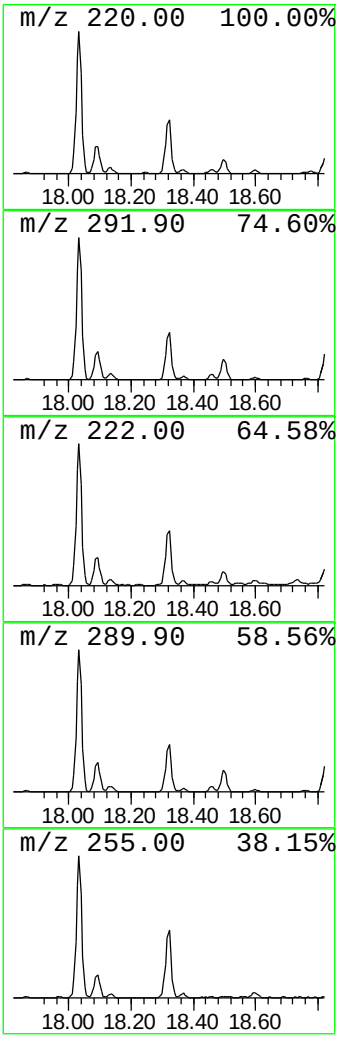
****

Peak Number 14 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	15.74 ng/ul	1351690	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

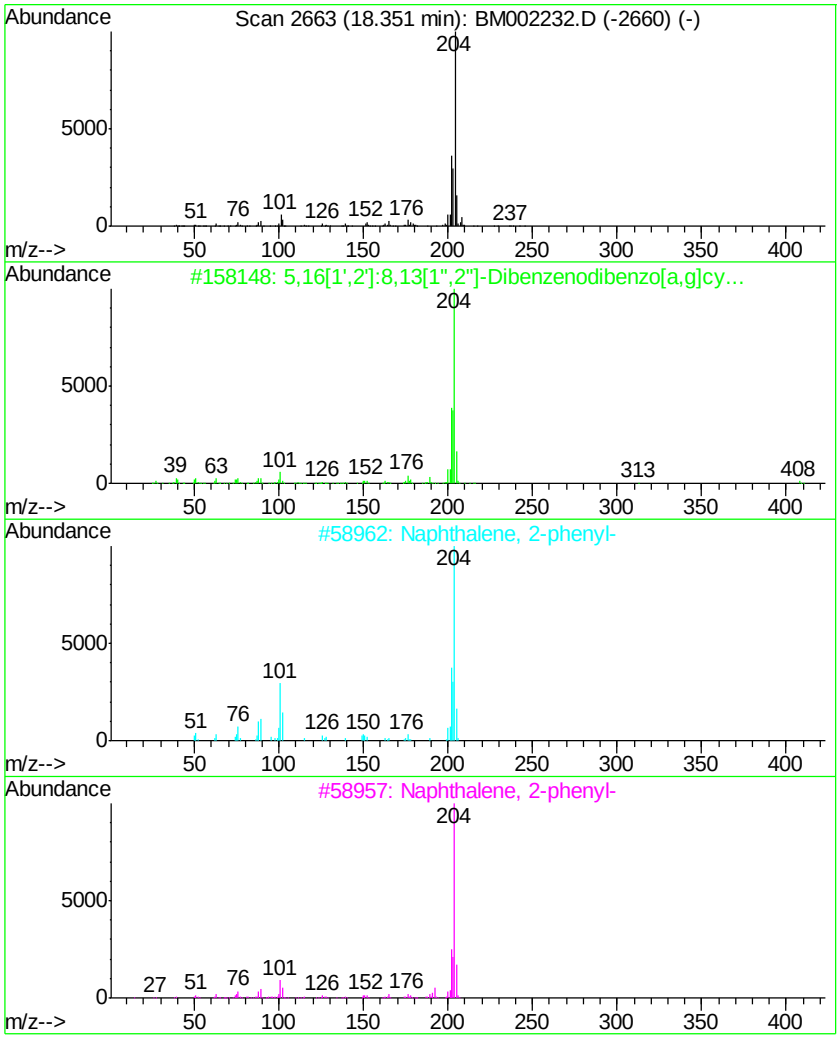
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

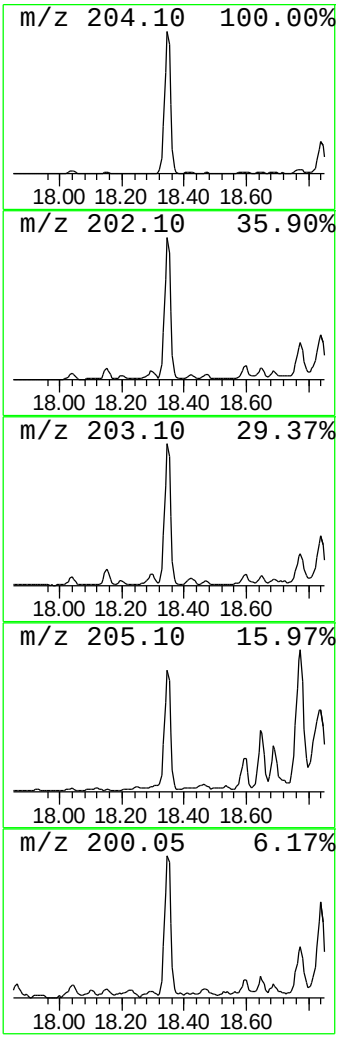
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	12.84 ng/ul	1102600	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

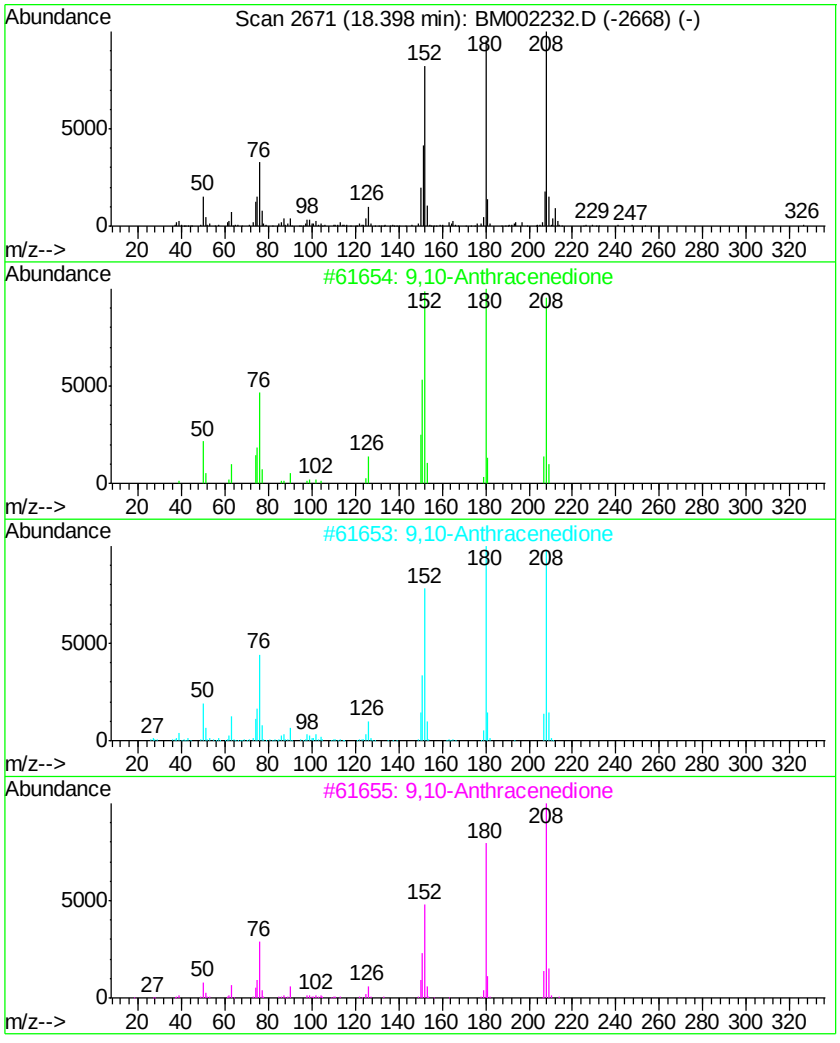
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

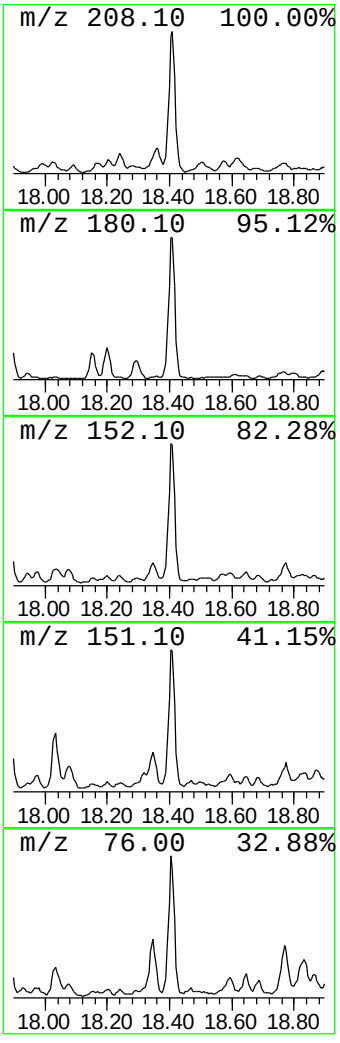
****

Peak Number 16 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	10.52 ng/ul	903761	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

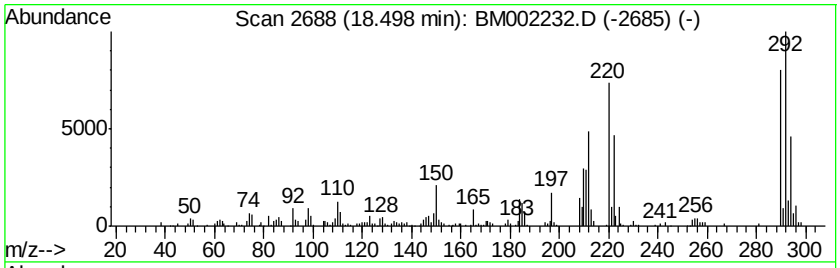
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

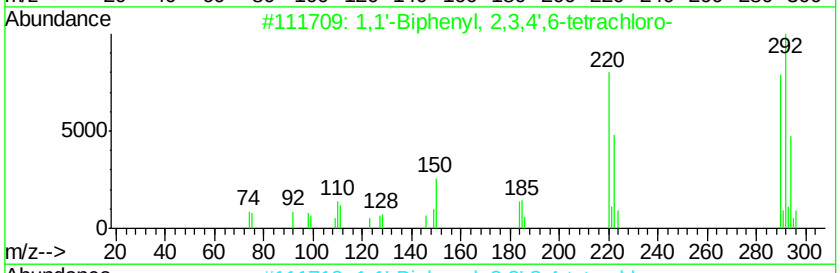
****

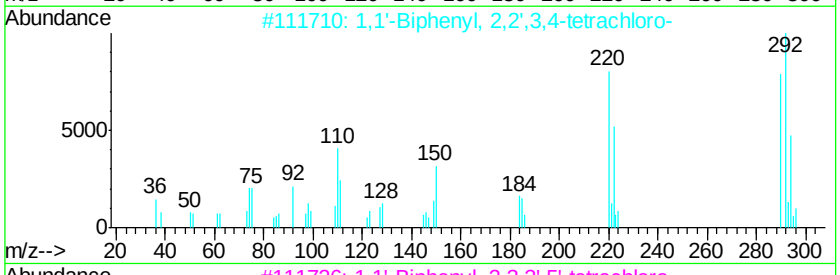
Peak Number 17 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 30

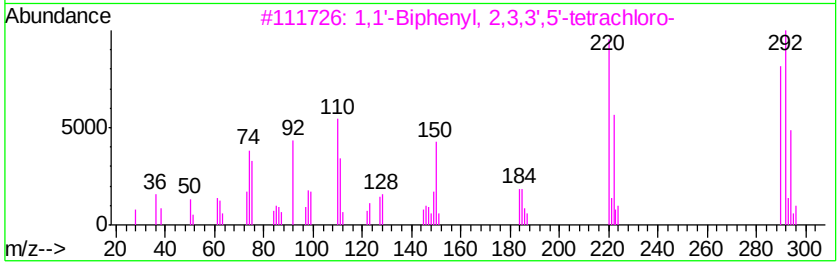
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	4.04 ng/ul	347224	Phenanthrene-d10	16.97

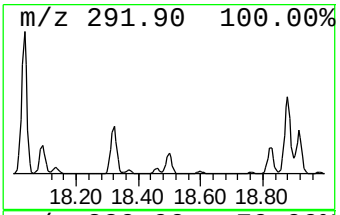
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	98
4	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	95
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	95

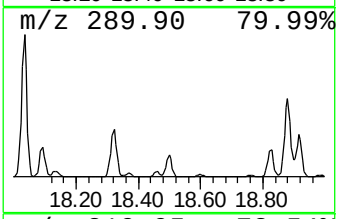


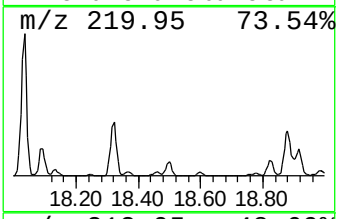


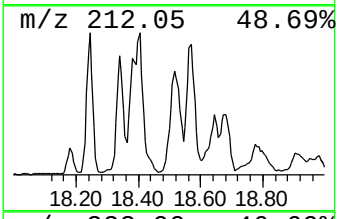


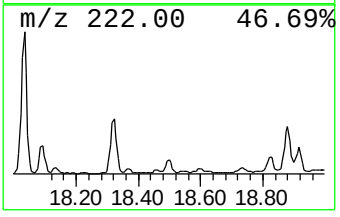












Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

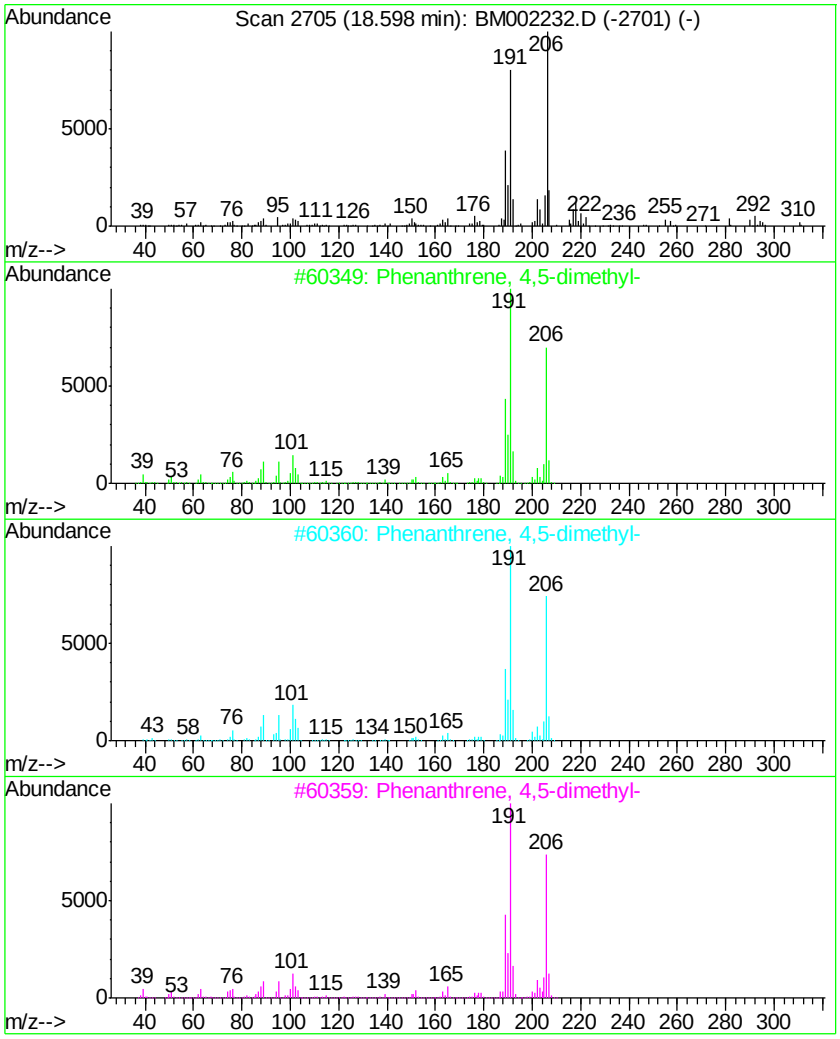
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

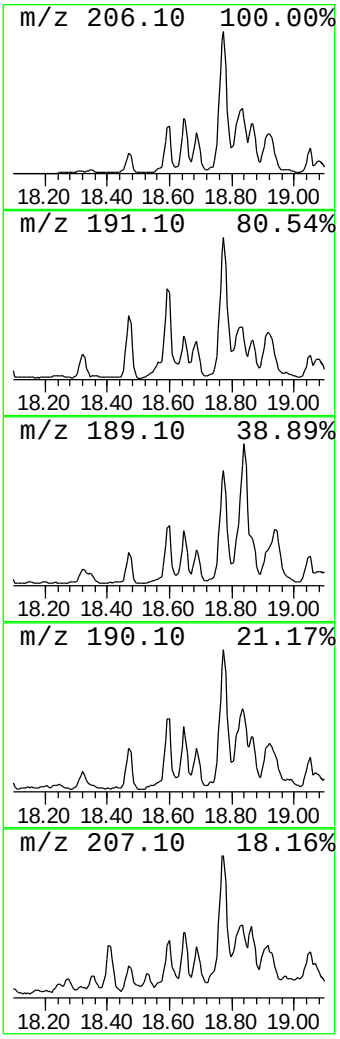
****

Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	5.93 ng/ul	509369	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

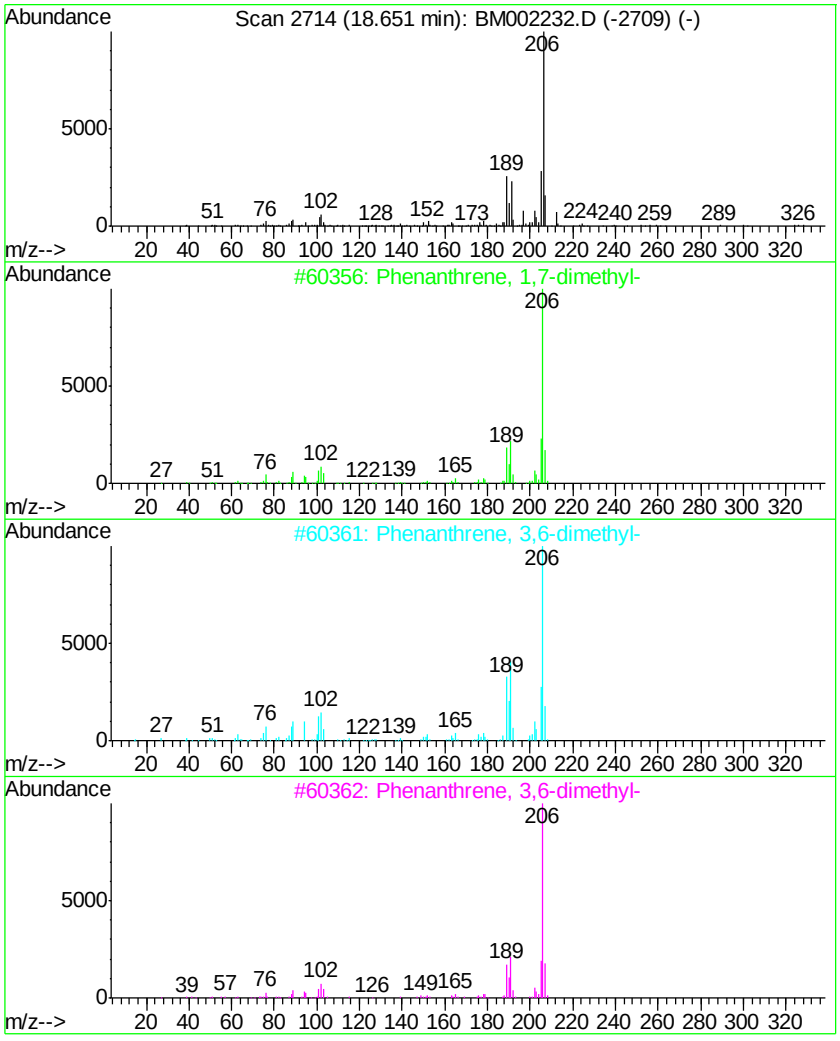
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

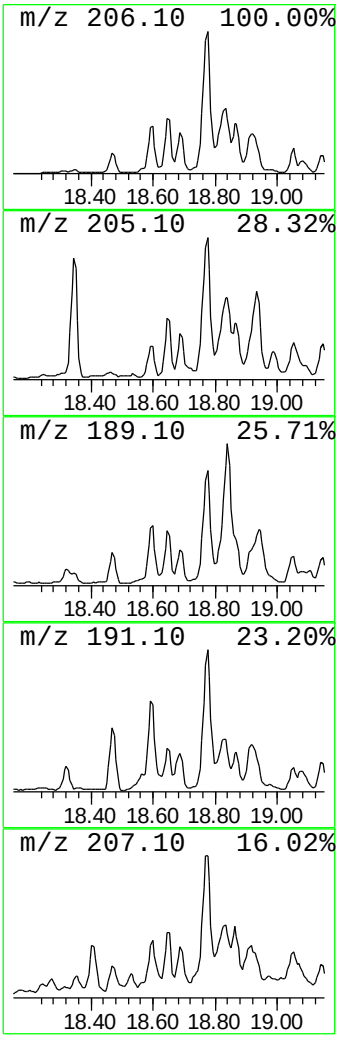
****

Peak Number 19 Phenanthrene, 1,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	4.28 ng/ul	367335	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

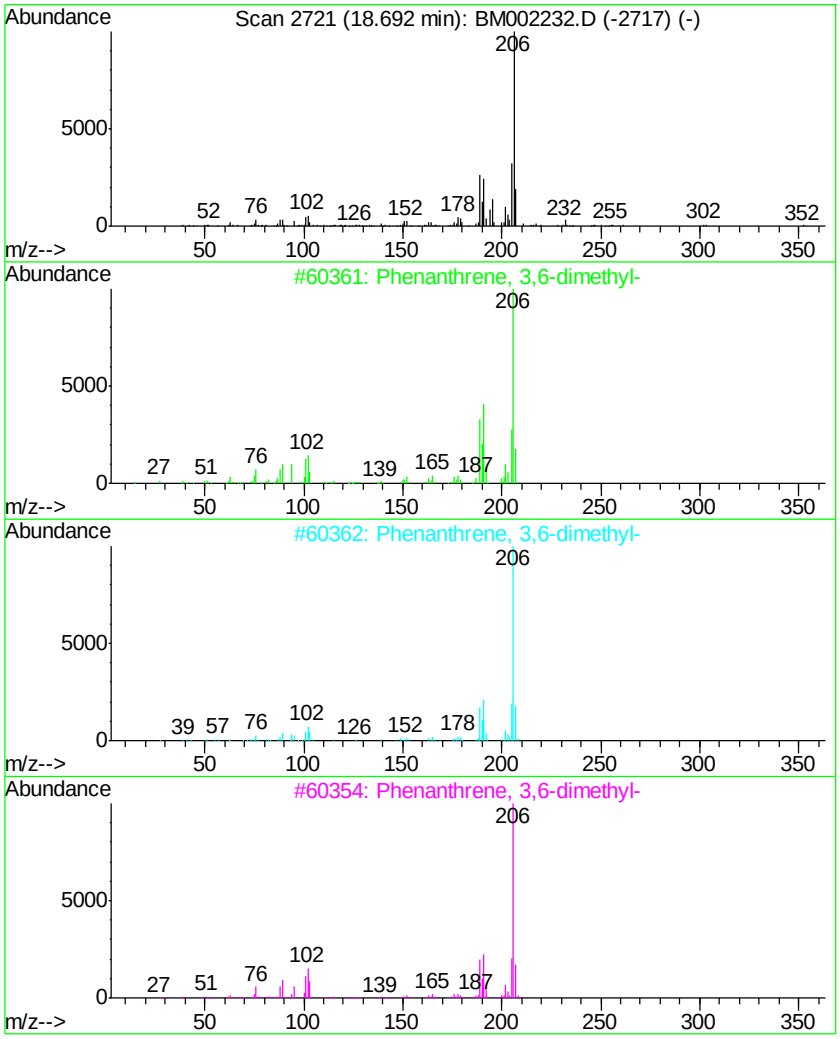
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

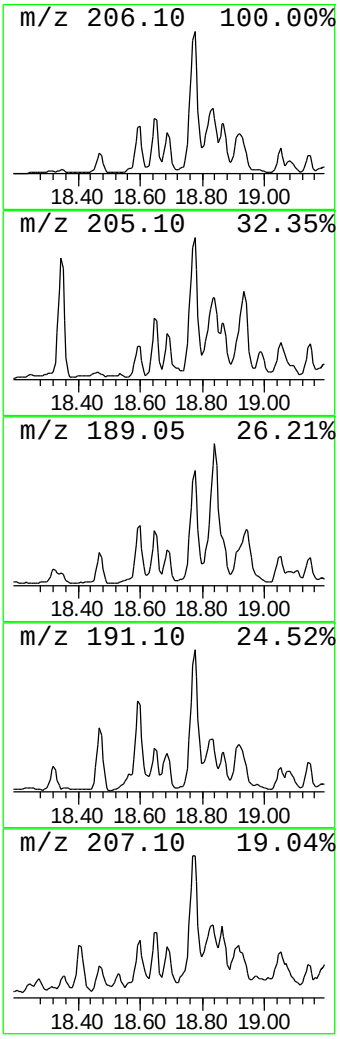
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 3,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	4.63 ng/ul	397429	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

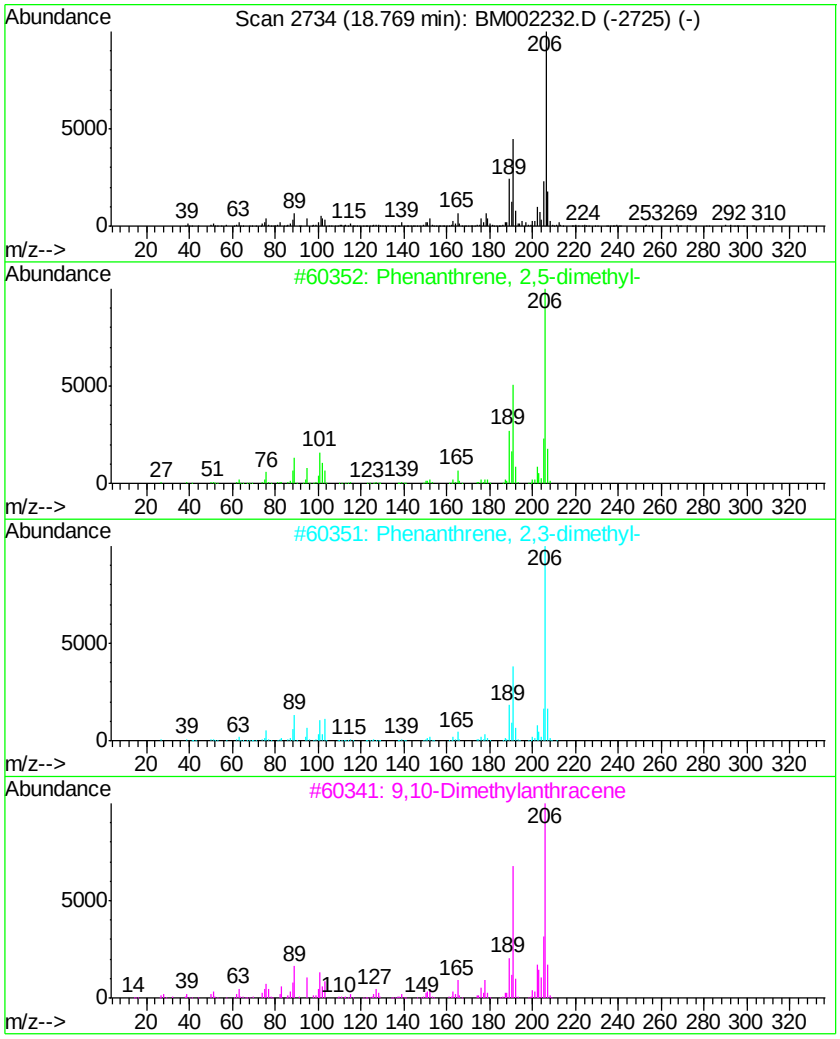
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

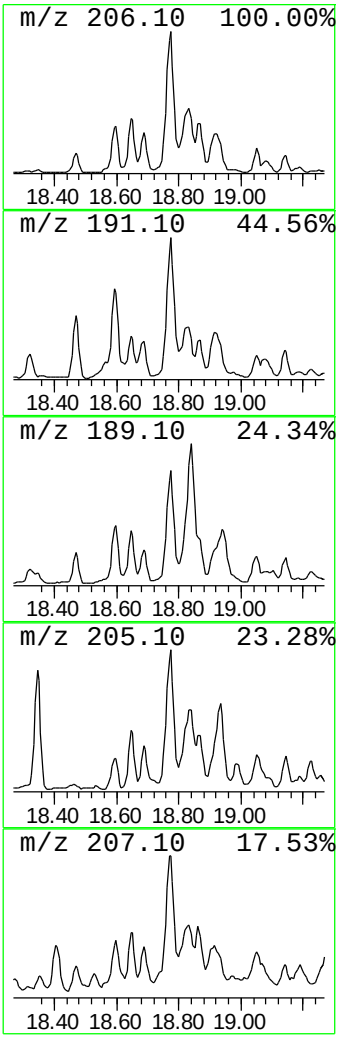
****

Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	22.52 ng/ul	1933960	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

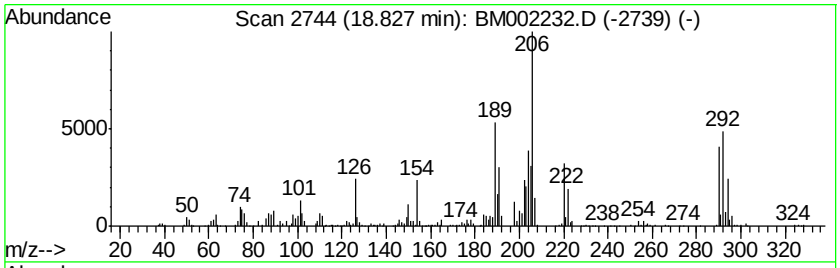
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

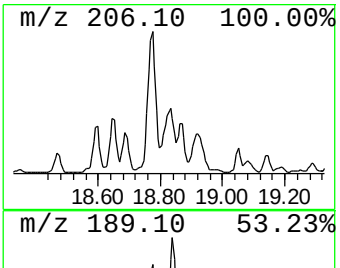
****

Peak Number 22 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	14.89 ng/ul	1278710	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	38
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25
5	4-Phenyl-3-oxa-4,7-diazabicyclo(...	206	C11H14N2O2	021044-93-9	25





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

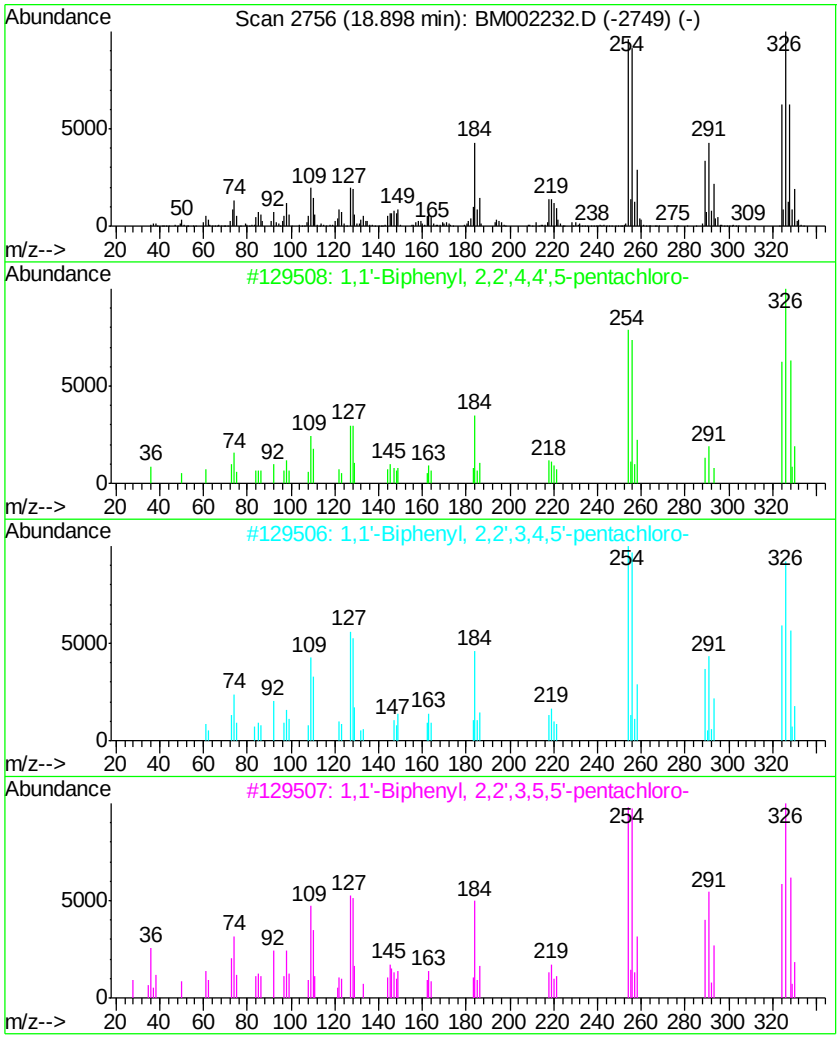
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

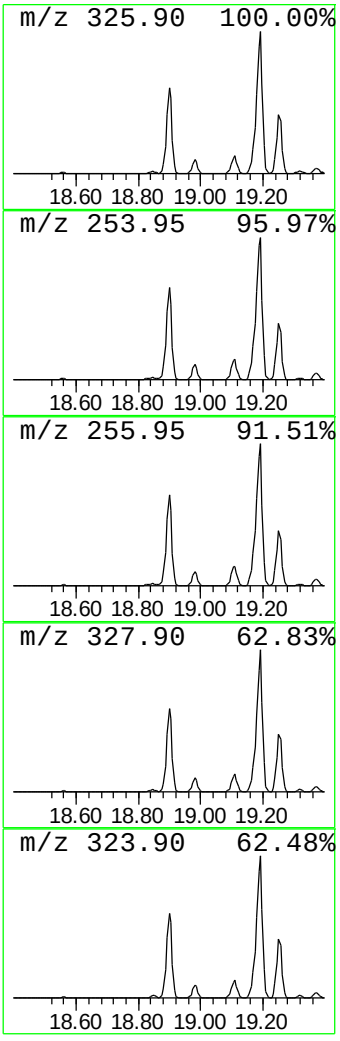
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	64.16 ng/ul	5510310	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

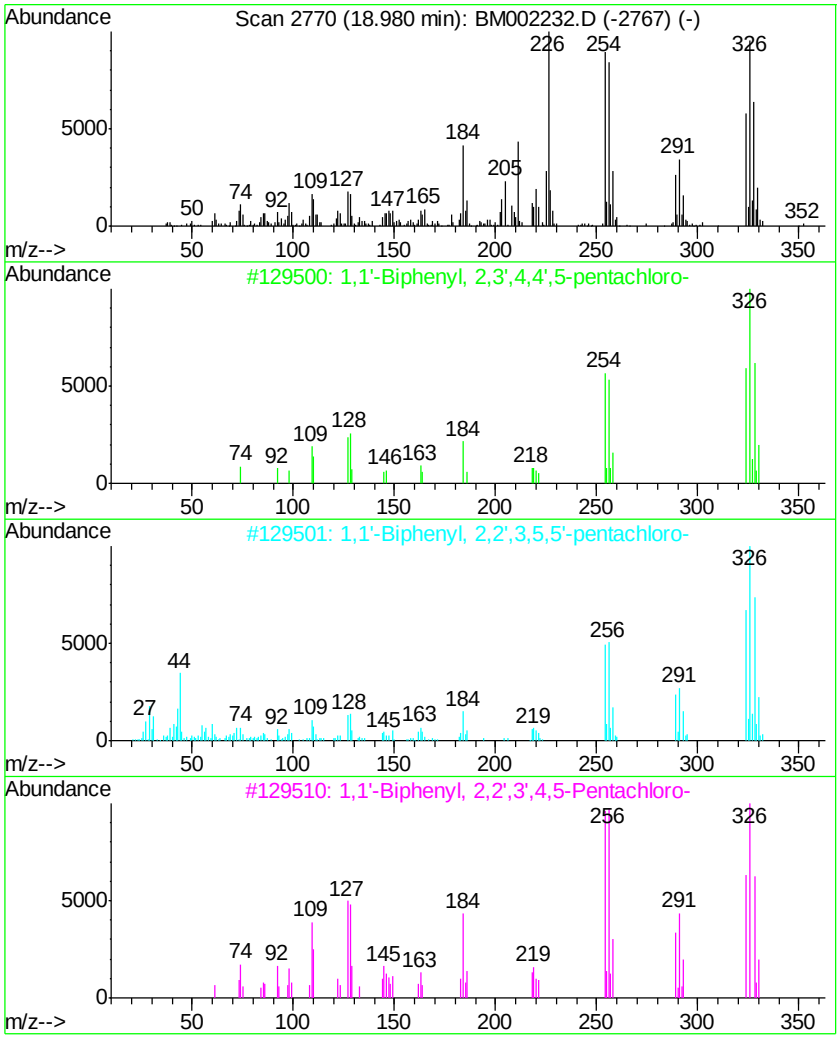
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

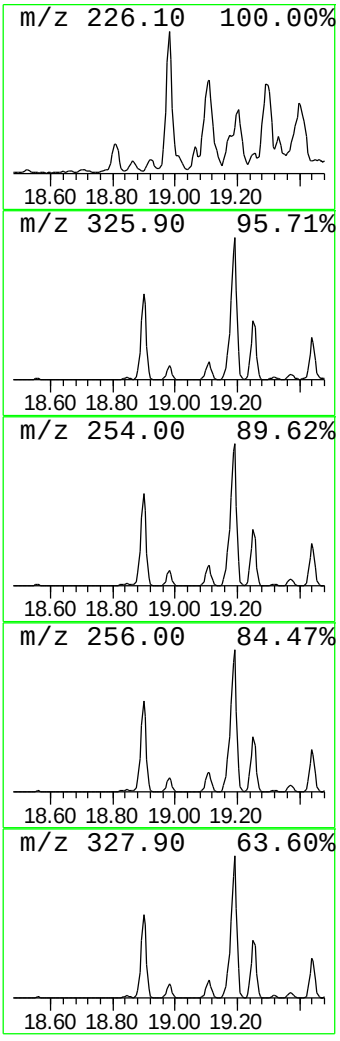
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	6.74 ng/ul	578872	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

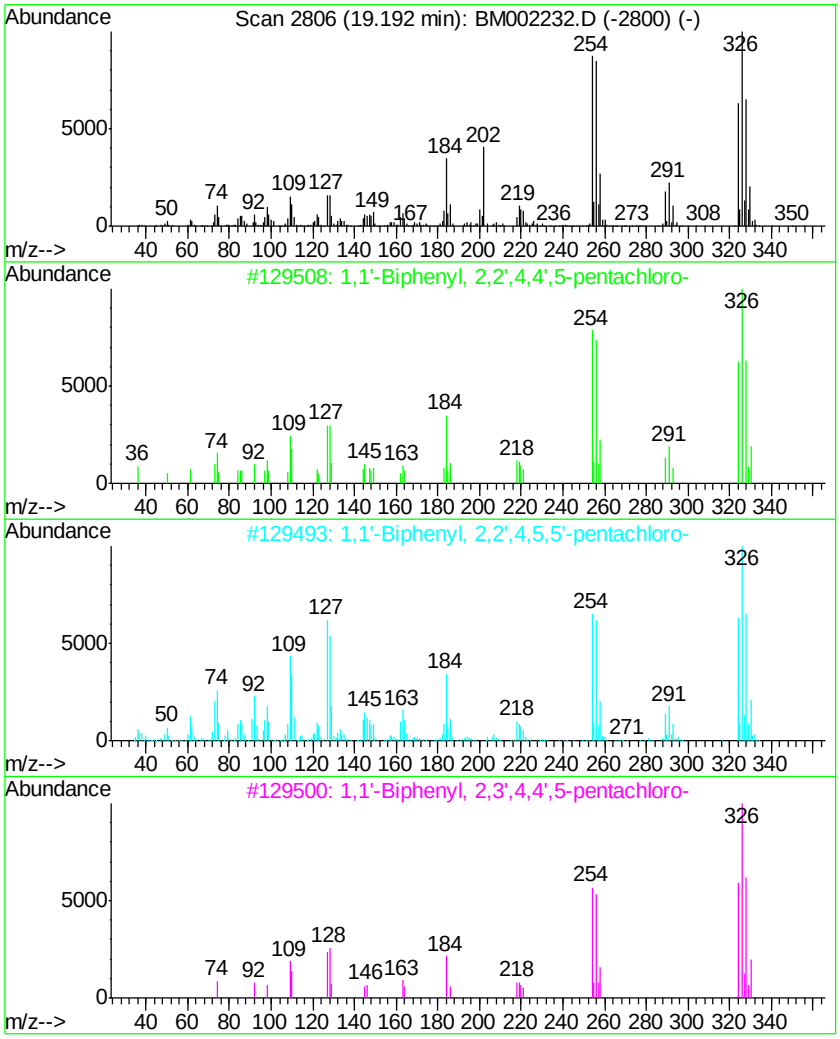
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

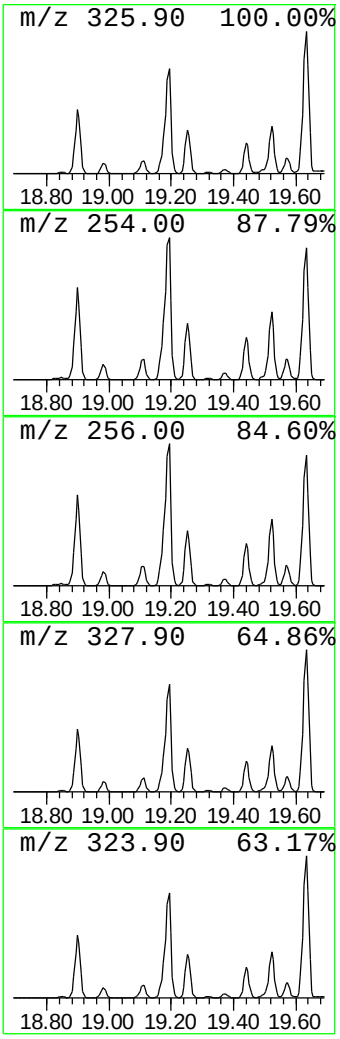
****

Peak Number 25 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	6.24 ng/ul	5302380	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	95
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
4	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

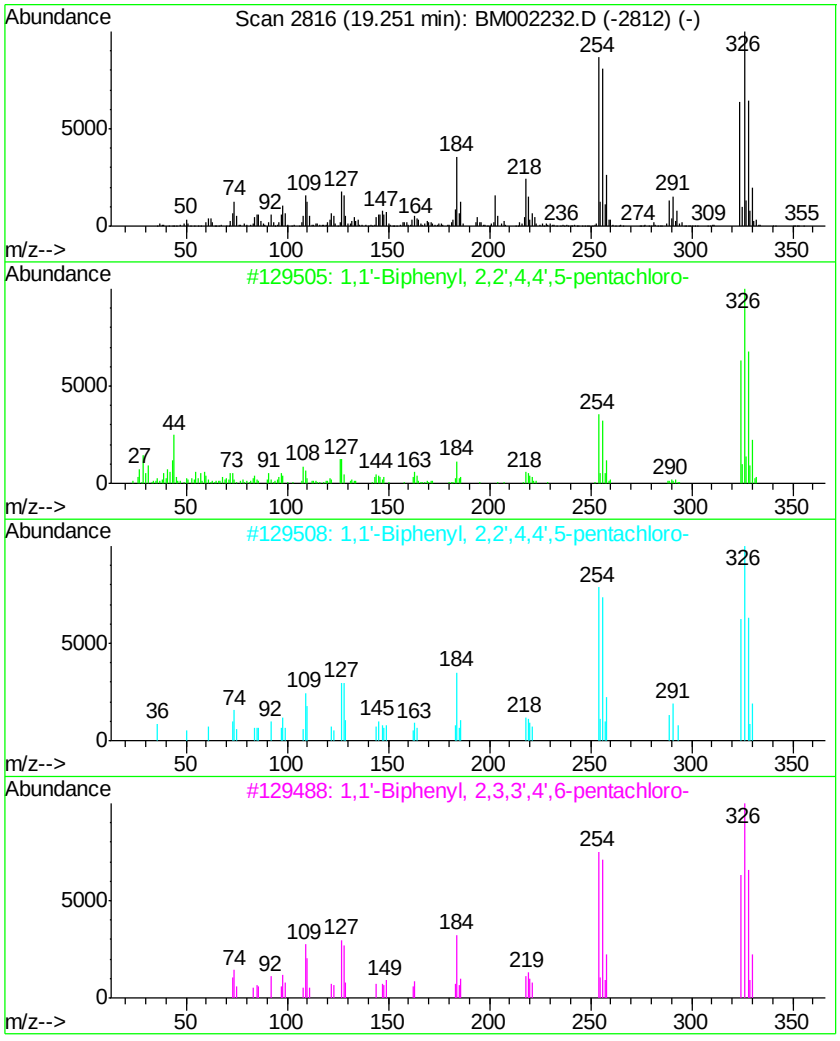
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

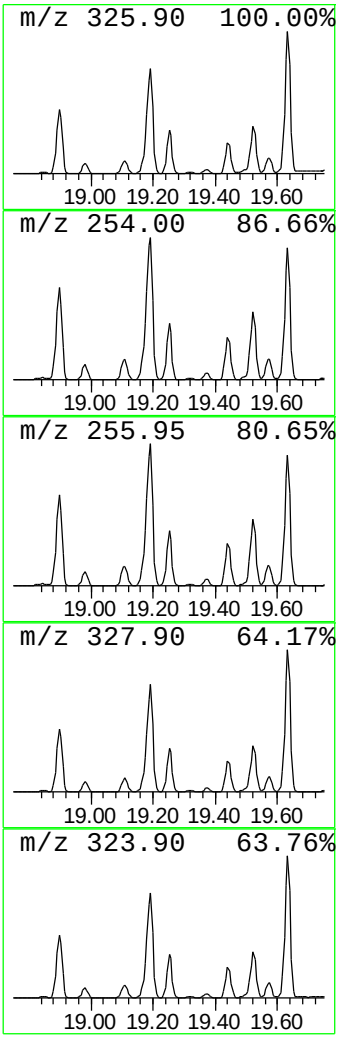
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	2.02 ng/ul	1715070	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	96
4	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95
5	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

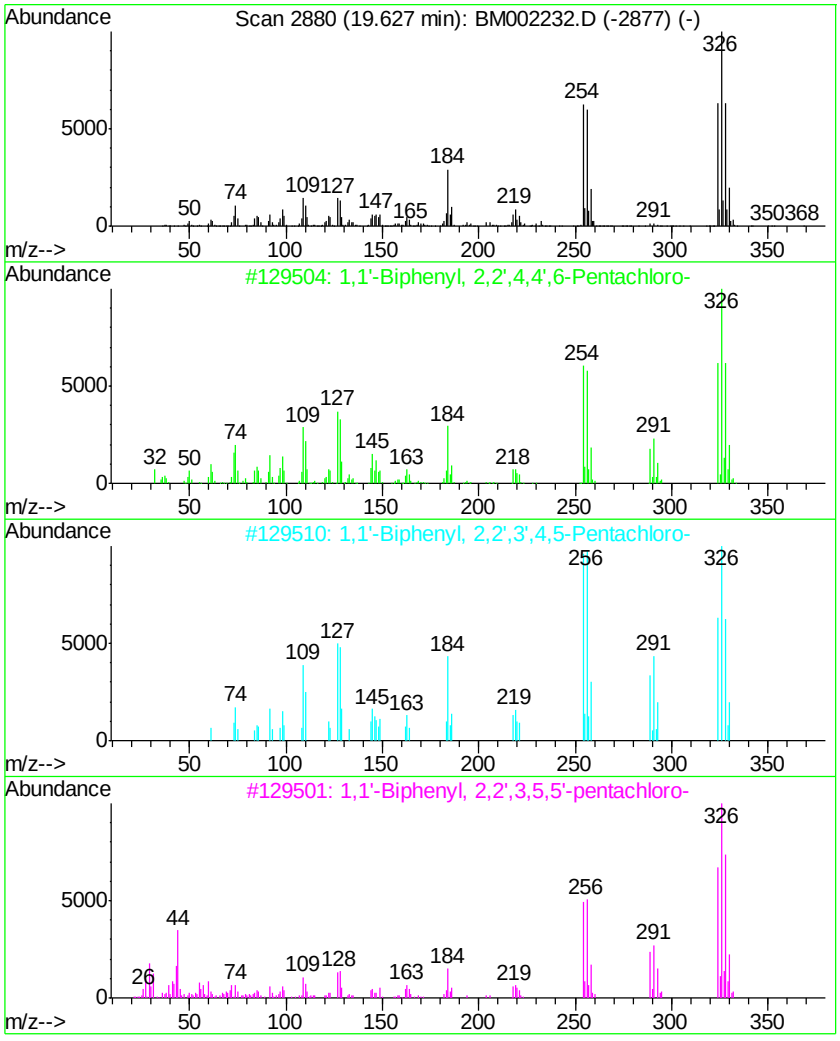
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

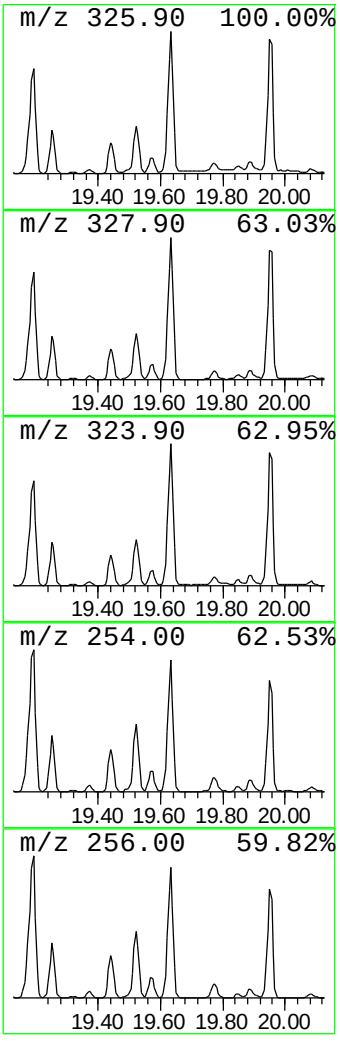
****

Peak Number 28 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	4.42 ng/ul	3757330	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	98
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

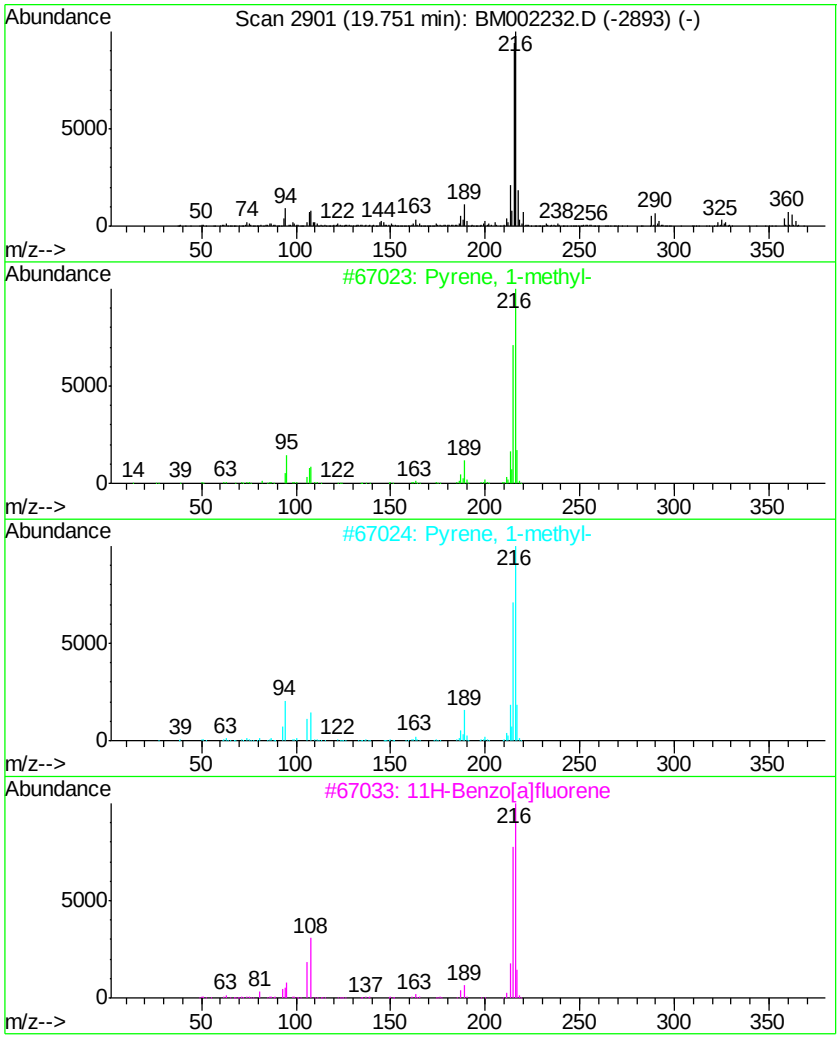
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

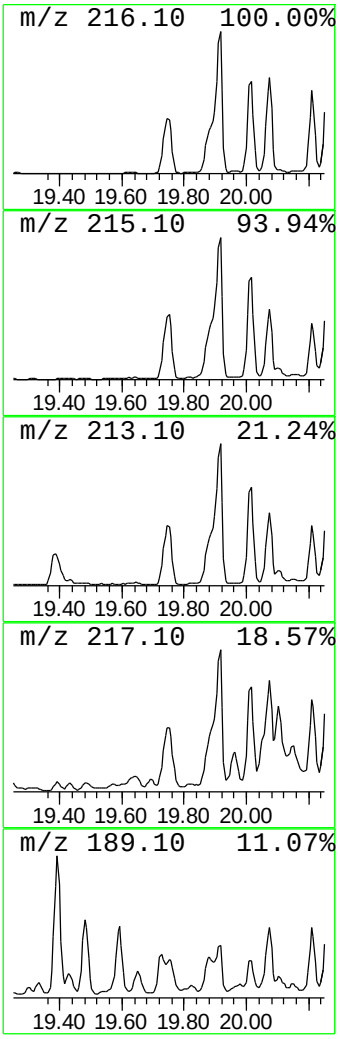
****

Peak Number 29 Pyrene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	3.89 ng/ul	3305290	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

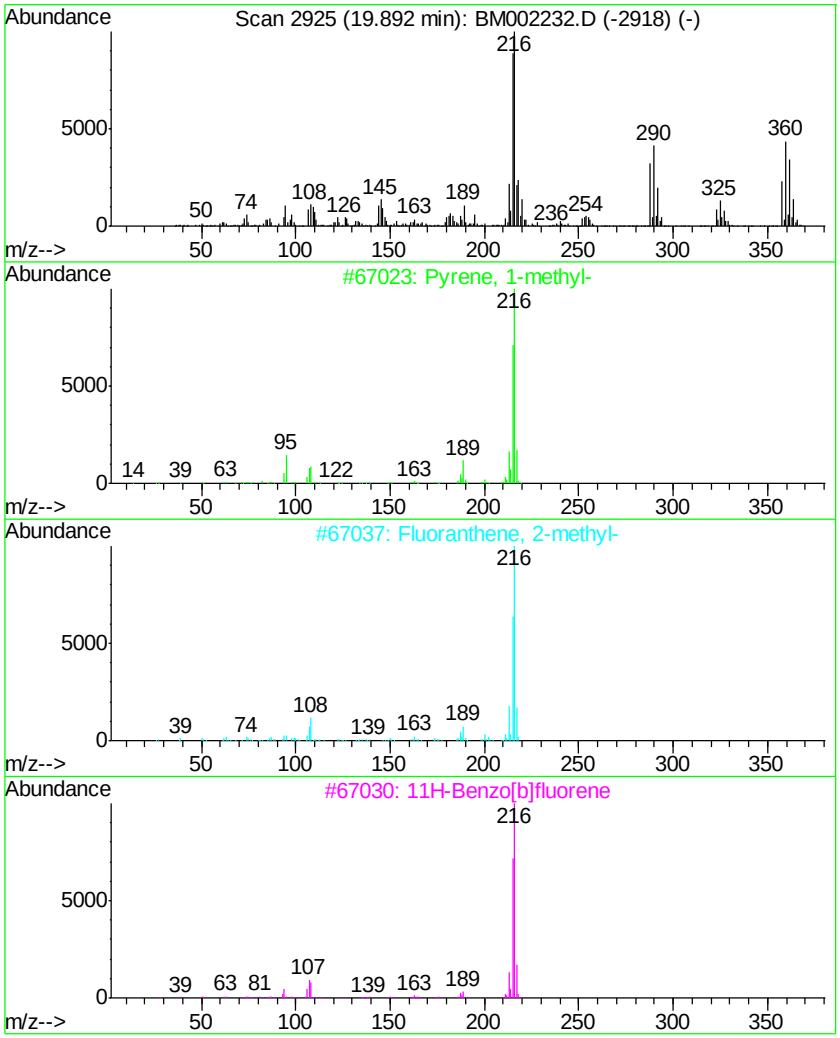
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

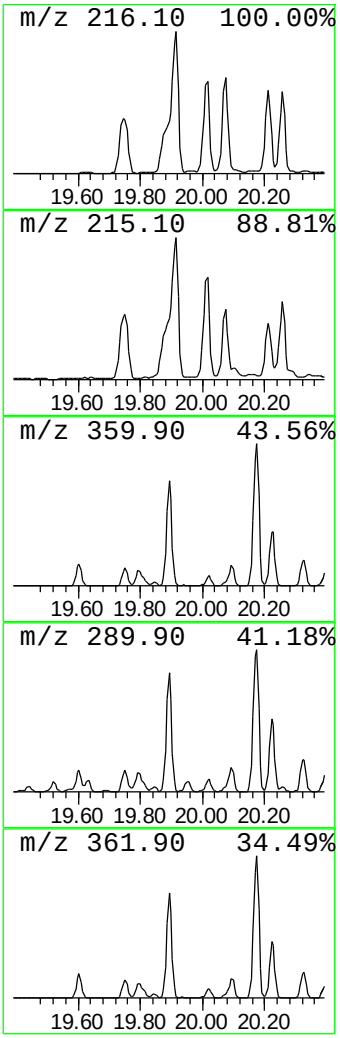
****

Peak Number 30 Fluoranthene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	4.42 ng/ul	3755140	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	66
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	52
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pyrido[2,3-d]indo...	15.56	4.0	ng/ul	297578	3	14.21	1508190	20.0
9H-Fluorene, 1-me...	16.27	5.1	ng/ul	436978	4	16.97	1717790	20.0
9H-Fluoren-9-one	16.63	4.9	ng/ul	421545	4	16.97	1717790	20.0
Anthracene, 1,2,3...	16.71	4.2	ng/ul	359179	4	16.97	1717790	20.0
Naphtho[2,3-b]thi...	16.78	7.6	ng/ul	649133	4	16.97	1717790	20.0
Benzo[h]quinoline	17.16	3.3	ng/ul	281619	4	16.97	1717790	20.0
Dibenzothiophene,...	17.55	7.8	ng/ul	673947	4	16.97	1717790	20.0
Dibenzothiophene,...	17.69	5.1	ng/ul	440422	4	16.97	1717790	20.0
Phenanthrene, 1-m...	17.84	22.0	ng/ul	1890860	4	16.97	1717790	20.0
Phenanthrene, 2-m...	17.89	26.3	ng/ul	2260610	4	16.97	1717790	20.0
Anthracene, 2-met...	17.97	9.4	ng/ul	805342	4	16.97	1717790	20.0
1,1'-Biphenyl, 2,...	18.03	72.4	ng/ul	6221170	4	16.97	1717790	20.0
Anthracene, 9-met...	18.08	19.3	ng/ul	1660290	4	16.97	1717790	20.0
1,1'-Biphenyl, 2,...	18.32	15.7	ng/ul	1351690	4	16.97	1717790	20.0
5,16[1',2']:8,13[...	18.35	12.8	ng/ul	1102600	4	16.97	1717790	20.0
9,10-Anthracenedione	18.40	10.5	ng/ul	903761	4	16.97	1717790	20.0
1,1'-Biphenyl, 2,...	18.50	4.0	ng/ul	347224	4	16.97	1717790	20.0
Phenanthrene, 4,5...	18.60	5.9	ng/ul	509369	4	16.97	1717790	20.0
Phenanthrene, 1,7...	18.65	4.3	ng/ul	367335	4	16.97	1717790	20.0
Phenanthrene, 3,6...	18.69	4.6	ng/ul	397429	4	16.97	1717790	20.0
Phenanthrene, 2,5...	18.77	22.5	ng/ul	1933960	4	16.97	1717790	20.0
unknown-01	18.83	14.9	ng/ul	1278710	4	16.97	1717790	20.0
1,1'-Biphenyl, 2,...	18.90	64.2	ng/ul	5510310	4	16.97	1717790	20.0
1,1'-Biphenyl, 2,...	18.98	6.7	ng/ul	578872	4	16.97	1717790	20.0
1,1'-Biphenyl, 2,...	19.19	6.2	ng/ul	5302380	5	21.20	16987200	20.0
1,1'-Biphenyl, 2,...	19.25	2.0	ng/ul	1715070	5	21.20	16987200	20.0
1,1'-Biphenyl, 2,...	19.63	4.4	ng/ul	3757330	5	21.20	16987200	20.0
Pyrene, 1-methyl-	19.75	3.9	ng/ul	3305290	5	21.20	16987200	20.0
Fluoranthene, 2-m...	19.89	4.4	ng/ul	3755140	5	21.20	16987200	20.0