LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

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-BM072715.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	6.745	685	690	699	rVB	108062	168891	1.23%	0.134%
2	7.092	743	749	756	rBB	113094	171923	1.25%	0.136%
3	7.557	821	828	835	rBB	445893	691576	5.04%	0.548%
4	8.281	945	951	959	rBB	139359	214800	1.57%	0.170%
5	8.722	1019	1026	1032	rBV	100998	165010	1.20%	0.131%
6	9.439	1142	1148	1154	rBB	88300	137994	1.01%	0.109%
7	9.980	1234	1240	1249	rBB	143586	230827	1.68%	0.183%
8	10.345	1295	1302	1307	rBV	637206	1052754	7.68%	0.834%
9	10.392	1307	1310	1318	rVB	183067	288866	2.11%	0.229%
10	10.492	1321	1327	1339	rBV	78623	136841	1.00%	0.108%
11	13.639	1857	1862	1866	rVV	245354	330450	2.41%	0.262%
12	13.915	1903	1909	1912	rBV	277890	430000	3.14%	0.341%
13	13.945	1912	1914	1928	rVB	210306	289844	2.11%	0.230%
14	14.227	1954	1962	1968	rBV2	913259	1426799	10.41%	1.131%
15	14.292	1968	1973	1981	rVB	641281	904938	6.60%	0.717%
16	14.627	2021	2030	2038	rBV	253794	374458	2.73%	0.297%
17	15.227	2123	2132	2136	rBV	355553	509886	3.72%	0.404%
18	15.280	2136	2141	2153	rVB	543304	763793	5.57%	0.605%
19	15.574	2187	2191	2197	rVB	89988	126616	0.92%	0.100%
20	15.721	2207	2216	2224	rVV	93887	196548	1.43%	0.156%
21	15.962	2251	2257	2266	rVB4	65760	122212	0.89%	0.097%
22	16.286	2300	2312	2317	rBV3	87845	218280	1.59%	0.173%
23	16.639	2367	2372	2379	rVB	178357	265304	1.93%	0.210%
24	16.733	2379	2388	2392	rVV2	121882	239529	1.75%	0.190%
25	16.798	2394	2399	2408	rVB	305822	456055	3.33%	0.361%
26	16.986	2424	2431	2434	rBV	995045	1600491	11.67%	1.268%
27	17.033	2434	2439	2444	rVV	5285469	7898503	57.60%	6.258%
28	17.086	2444	2448	2450	rVV	436611	618027	4.51%	0.490%
29	17.115	2450	2453	2459	rVV	1198842	1638006	11.95%	1.298%
30	17.392	2488	2500	2511	rBV	532464	933568	6.81%	0.740%
31	17.498	2515	2518	2525	rVV3	108497	169890	1.24%	0.135%
32	17.562	2525	2529	2538	rVB4	136349	222888	1.63%	0.177%
33	17.703	2548	2553	2561	rVB	78871	144758	1.06%	0.115%
34	17.856	2570	2579	2583	rBV	532338	766545	5.59%	0.607%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

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-BM072715.M
Title : SVOA CALIBRATION

35	17.903	2583	2587	2592	rVB	695272	978778	7.14%	0.776%
36	17.986	2596	2601	2606	rVB	229152	337098	2.46%	0.267%
37	18.056	2606	2613	2616	rBV3	1010389	1687278	12.31%	1.337%
38	18.086	2616	2618	2625	rVB	330352	425702	3.10%	0.337%
39	18.362	2660	2665	2669	rVV	468746	646358	4.71%	0.512%
40	18.415	2669	2674	2682	rVB	314391	444542	3.24%	0.352%
41	18.609	2703	2707	2712	rVV	127454	181802	1.33%	0.144%
42	18.662	2712	2716	2719	rVV	112091	133292	0.97%	0.106%
43	18.697	2719	2722	2727	rVB2	99599	138072	1.01%	0.109%
44	18.786	2731	2737	2741	rBV	252423	463333	3.38%	0.367%
45	18.850	2745	2748	2751	rVV2	128056	185409	1.35%	0.147%
46	18.939	2756	2763	2769	rBV2	260299	504080	3.68%	0.399%
47	19.068	2776	2785	2789	rBV	8722501	13008360	94.87%	10.307%
48	19.150	2796	2799	2803	rVB	151215	190840	1.39%	0.151%
49	19.203	2804	2808	2812	rVB	113385	137460	1.00%	0.109%
50	19.297	2813	2824	2828	rBV	350971	650629	4.75%	0.516%
51	19.433	2835	2847	2853	rBV	7496286	13711728	100.00%	10.864%
52	19.492	2853	2857	2863	rVB2	322182	485152	3.54%	0.384%
53	19.597	2870	2875	2881	rBV	391956	536417	3.91%	0.425%
54	19.662	2881	2886	2891	rVB	265017	388420	2.83%	0.308%
55	19.803	2906	2910	2913	rBV	159638	174386	1.27%	0.138%
56	19.880	2918	2923	2925	rBV2	304431	517903	3.78%	0.410%
57	19.921	2925	2930	2934	rVB	1102027	1637969	11.95%	1.298%
58	20.015	2942	2946	2950	rBV	991932	1245050	9.08%	0.987%
59	20.074	2950	2956	2959	rVV2	526726	881491	6.43%	0.698%
60	20.109	2959	2962	2967	rVB	399443	469797	3.43%	0.372%
61	20.156	2967	2970	2975	rVB3	105390	134387	0.98%	0.106%
62	20.215	2976	2980	2984	rBV	316820	398095	2.90%	0.315%
63	20.262	2984	2988	2992	rVB	354424	441304	3.22%	0.350%
64	20.544	3033	3036	3040	rVB2	128488	171939	1.25%	0.136%
65	20.627	3046	3050	3053	rBV2	152104	235909	1.72%	0.187%
66	20.668	3053	3057	3063	rVB	411401	593129	4.33%	0.470%
67	20.833	3078	3085	3088	rBV2	890015	1293897	9.44%	1.025%
68	20.868	3088	3091	3095	rVV	694730	962930	7.02%	0.763%
69	20.915	3095	3099	3103	rVV2	704309	1255229	9.15%	0.995%
70	20.968	3105	3108	3114	rVV	473551	672868	4.91%	0.533%
71	21.074	3118	3126	3133	rBV	284878	704234	5.14%	0.558%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

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-BM072715.M
Title : SVOA CALIBRATION

72	21.186	3135	3145	3149	rVV2	4928552	9310728	67.90%	7.377%
73	21.233	3149	3153	3162	rVV	4342831	6006742	43.81%	4.759%
74	21.303	3162	3165	3168	rVV2	129948	177166	1.29%	0.140%
75	21.344	3168	3172	3177	rVV	1011914	1372130	10.01%	1.087%
76	21.397	3178	3181	3186	rVV3	325372	596729	4.35%	0.473%
77	21.456	3188	3191	3194	rVV	382696	483282	3.52%	0.383%
78	21.503	3194	3199	3203	rVV2	555789	948505	6.92%	0.752%
79	21.544	3203	3206	3214	rVB2	182010	294908	2.15%	0.234%
80	21.674	3224	3228	3231	rBV2	232695	334882	2.44%	0.265%
81	21.727	3231	3237	3241	rVV	597317	1040923	7.59%	0.825%
82	21.780	3243	3246	3251	rVB	300436	390898	2.85%	0.310%
83	21.880	3260	3263	3267	rVB3	260004	312493	2.28%	0.248%
84	21.921	3267	3270	3273	rVV2	390710	552698	4.03%	0.438%
85	21.956	3273	3276	3281	rVB2	484867	695246	5.07%	0.551%
86	22.015	3282	3286	3291	rVB2	279218	439847	3.21%	0.349%
87	22.203	3314	3318	3323	rBV4	253075	460792	3.36%	0.365%
88	22.485	3361	3366	3371	rBV2	259740	485934	3.54%	0.385%
89	22.744	3401	3410	3414	rBV	3365366	7969340	58.12%	6.314%
90	22.827	3421	3424	3431	rVB2	153766	267456	1.95%	0.212%
91	22.897	3431	3436	3441	rBV	644181	979373	7.14%	0.776%
92	23.027	3454	3458	3465	rBV2	167868	390956	2.85%	0.310%
93	23.203	3481	3488	3494	rBV	1858119	3618744	26.39%	2.867%
94	23.303	3498	3505	3512	rVV	2994959	5675424	41.39%	4.497%
95	23.391	3514	3520	3524	rVV	701526	1426343	10.40%	1.130%
96	23.438	3524	3528	3535	rVB	1028147	1819060	13.27%	1.441%
97	24.232	3659	3663	3669	rVB	202073	375179	2.74%	0.297%
98	25.615	3887	3898	3906	rVB2	1599936	4526676	33.01%	3.587%
99	25.844	3933	3937	3946	rVB	256467	622222	4.54%	0.493%
100	26.303	4003	4015	4028	rVB	1132464	3700174	26.99%	2.932%

Sum of corrected areas: 126206987

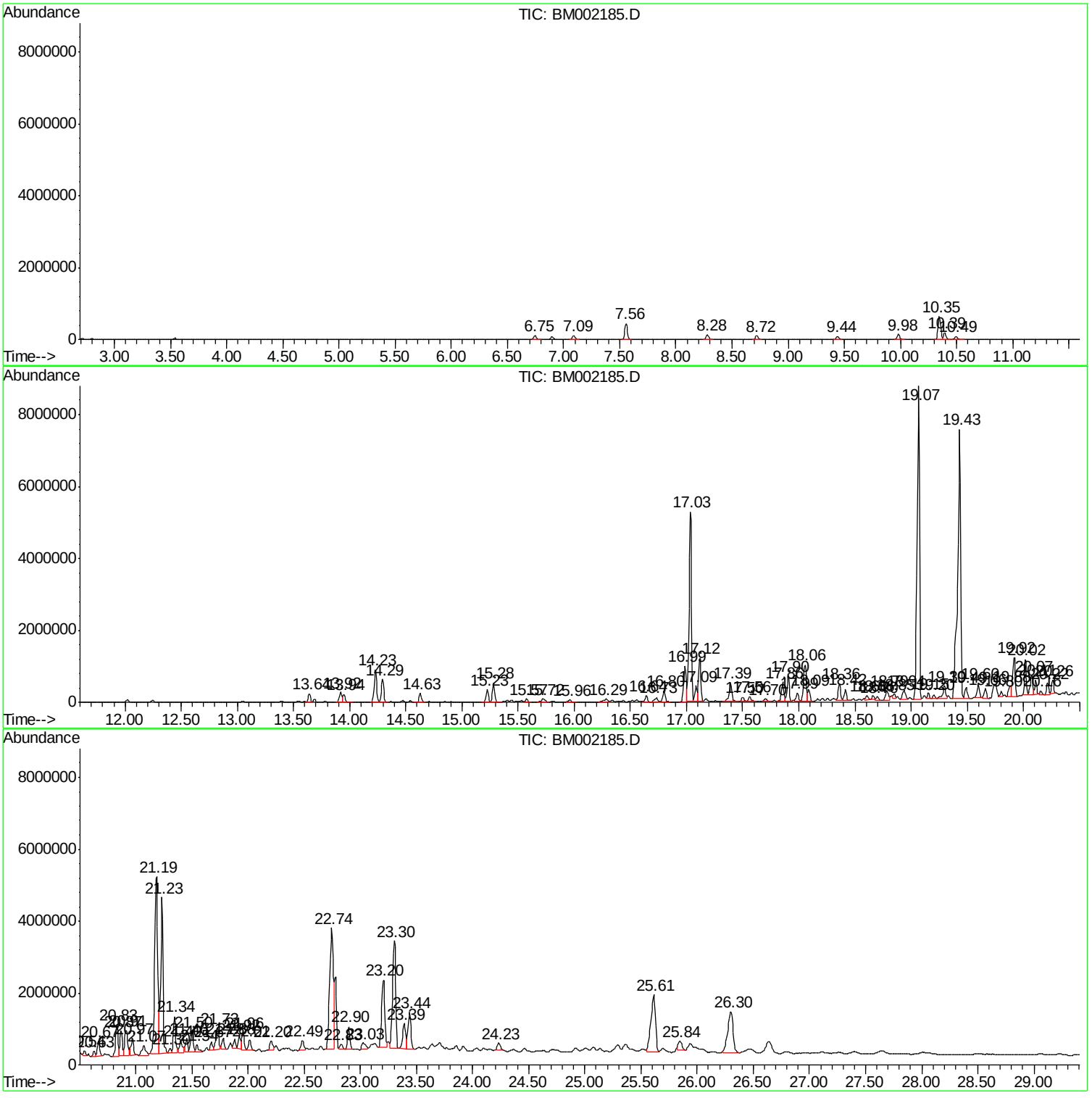
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

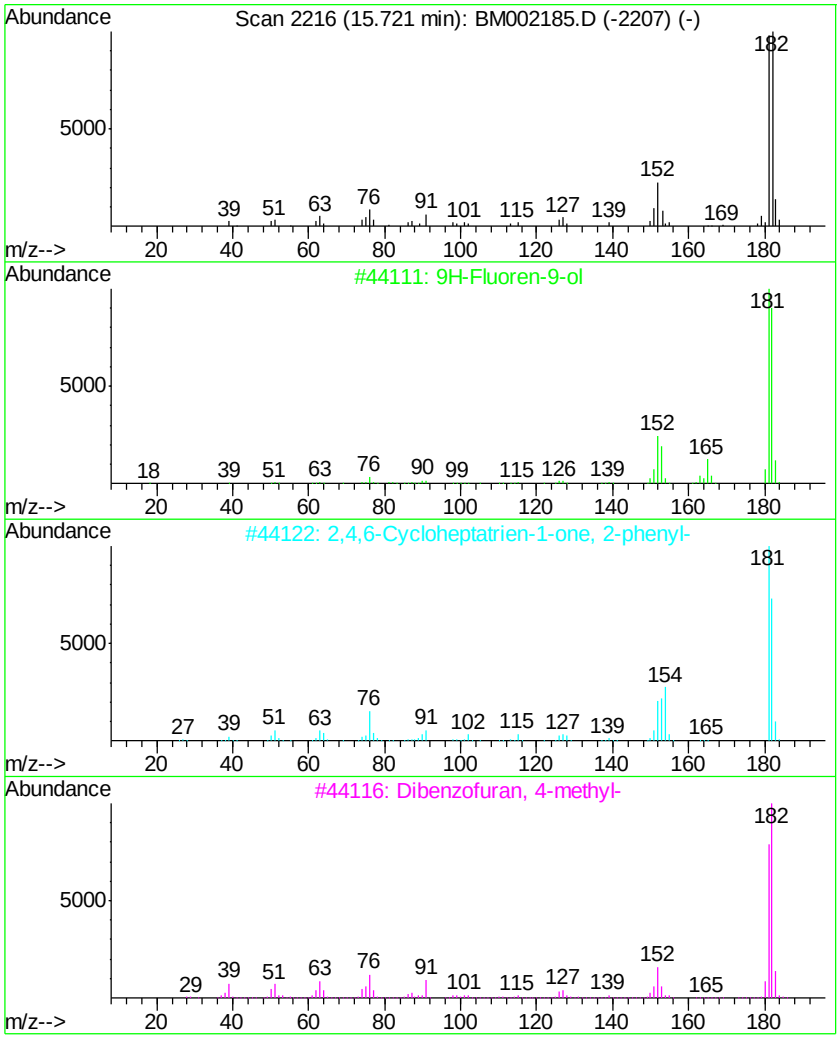
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

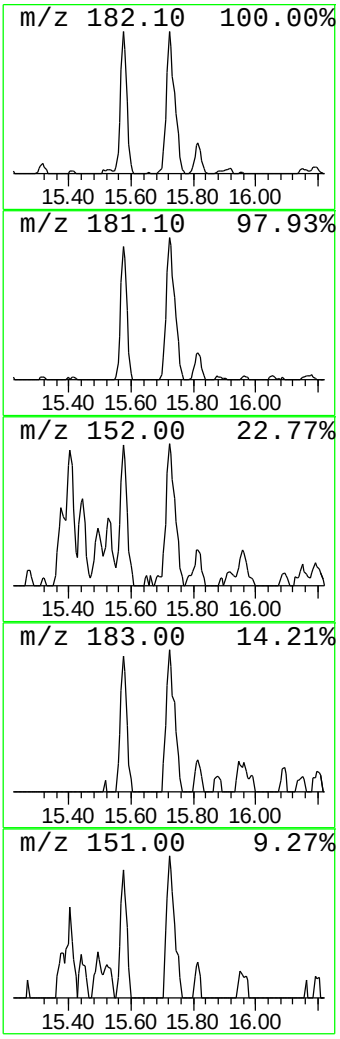
****

Peak Number 1 9H-Fluoren-9-ol Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.46 ng/ul	196548	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

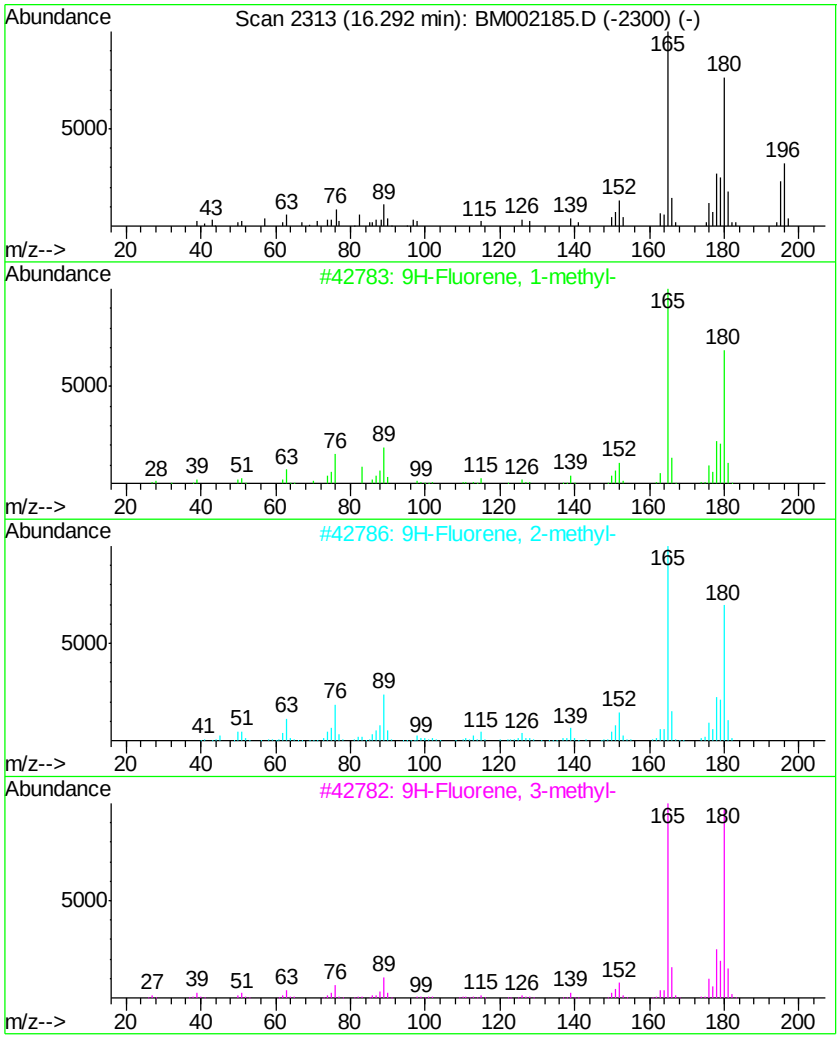
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

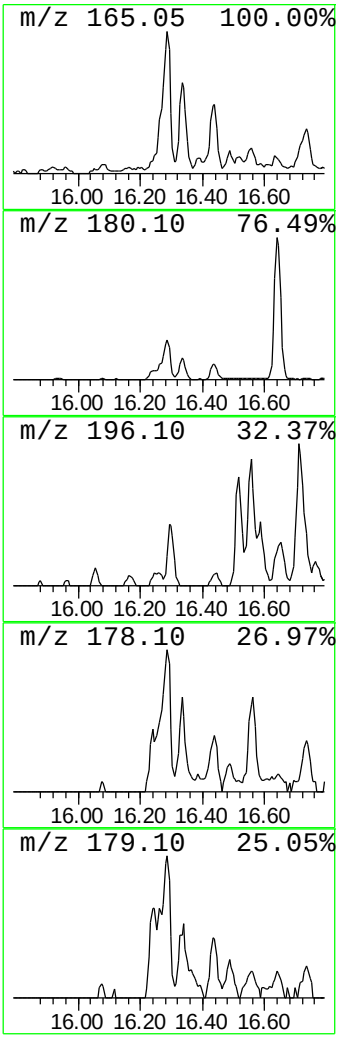
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.73 ng/ul	218280	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

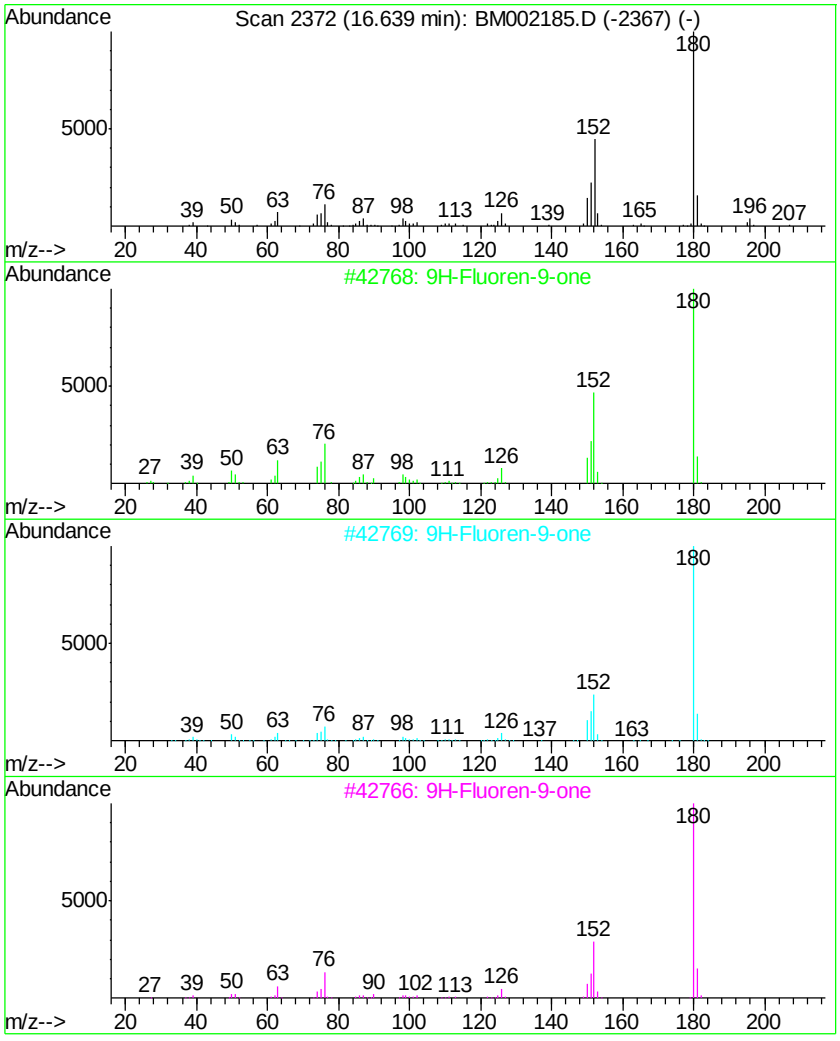
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

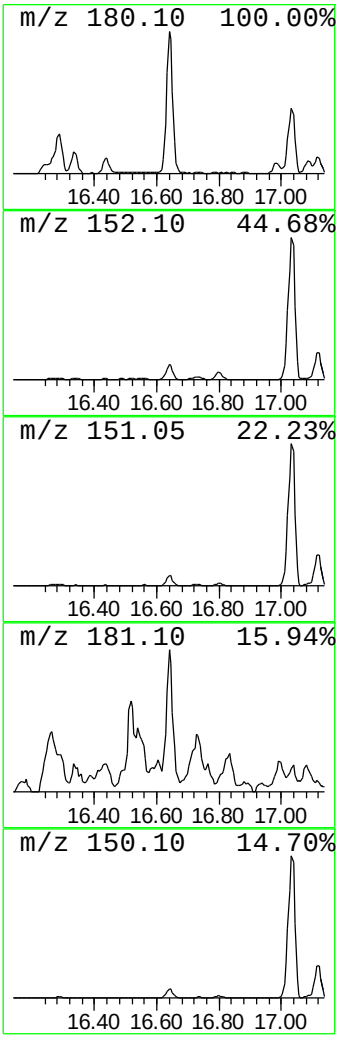
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	3.32 ng/ul	265304	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

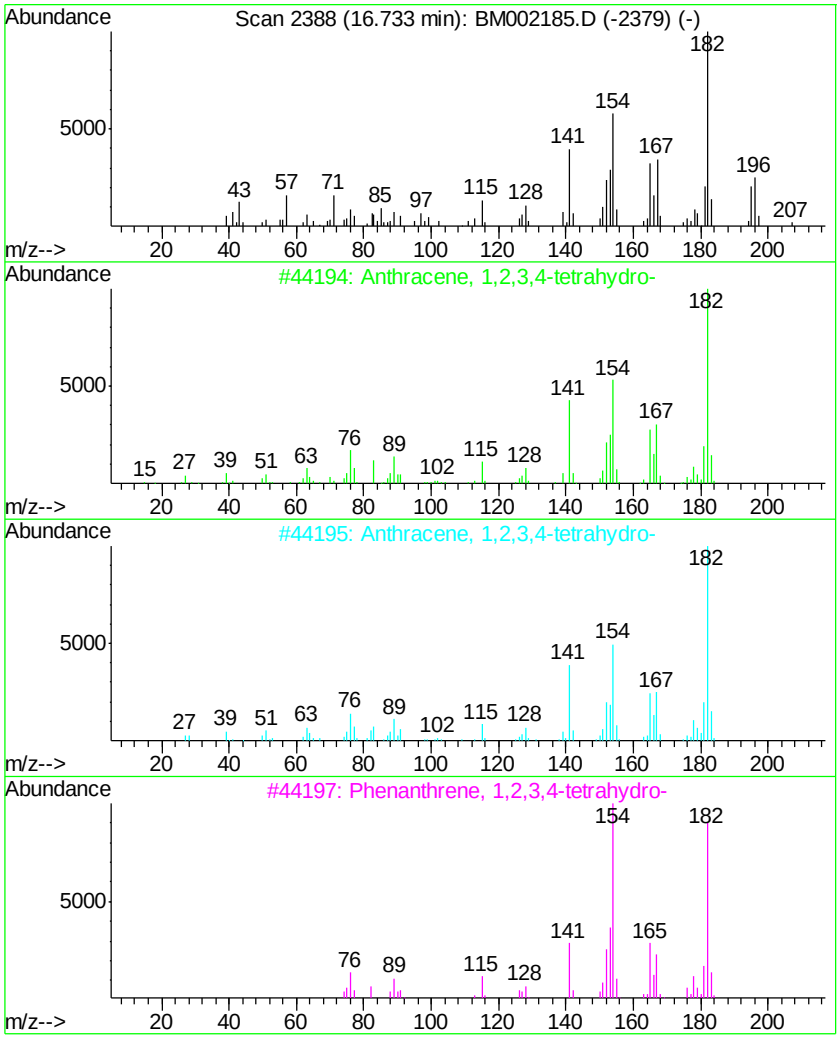
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

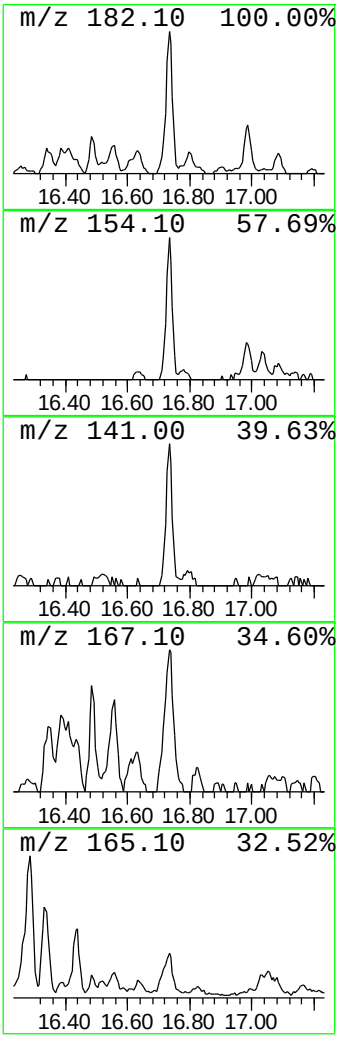
****

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.99 ng/ul	239529	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	97
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
5	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

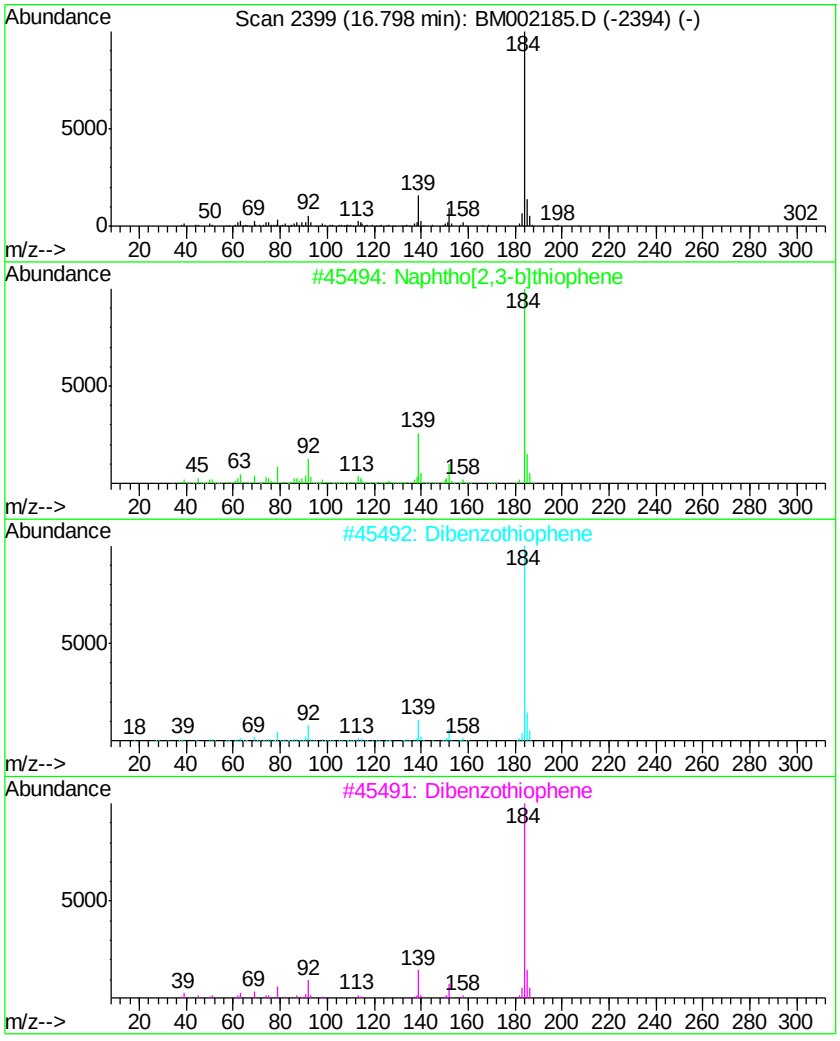
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

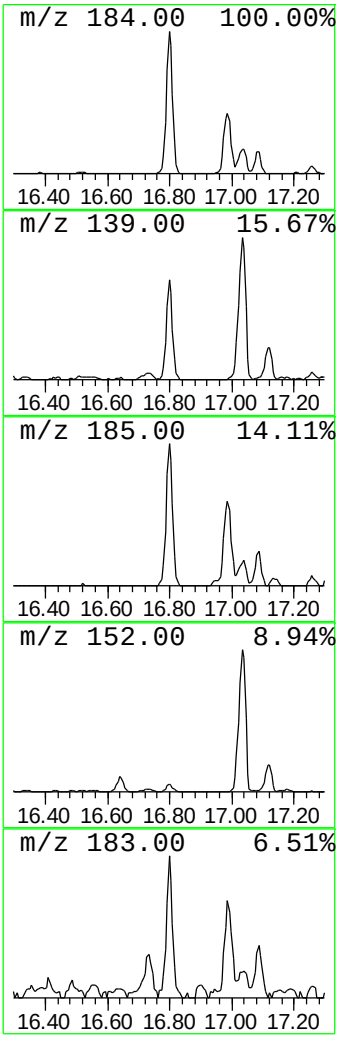
****

Peak Number 5 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	5.70 ng/ul	456055	Phenanthrene-d10	16.99

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	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

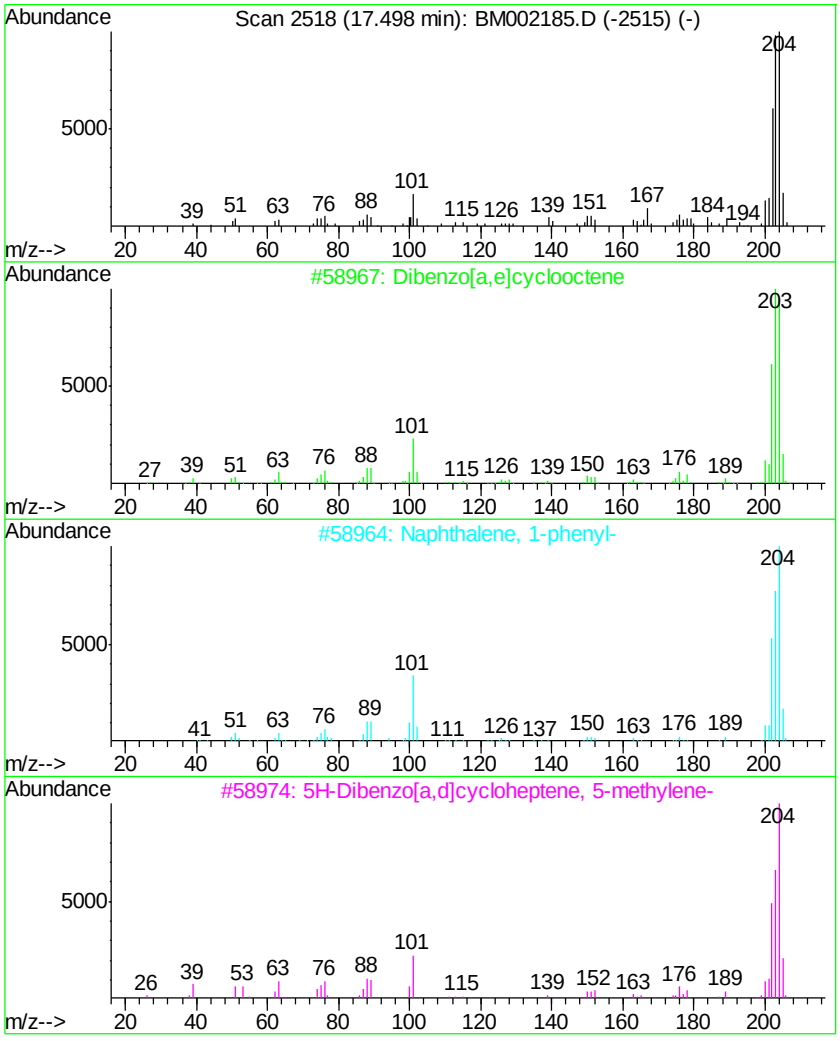
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

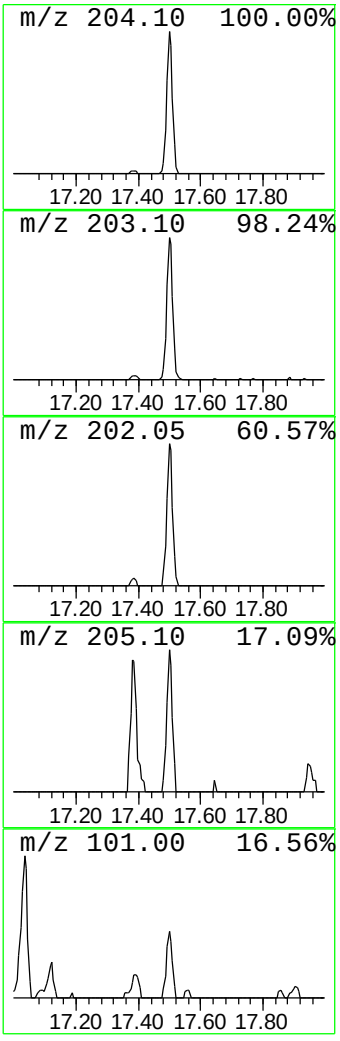
****

Peak Number 6 Dibenzo[a,e]cyclooctene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	2.12 ng/ul	169890	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	94
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	90
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

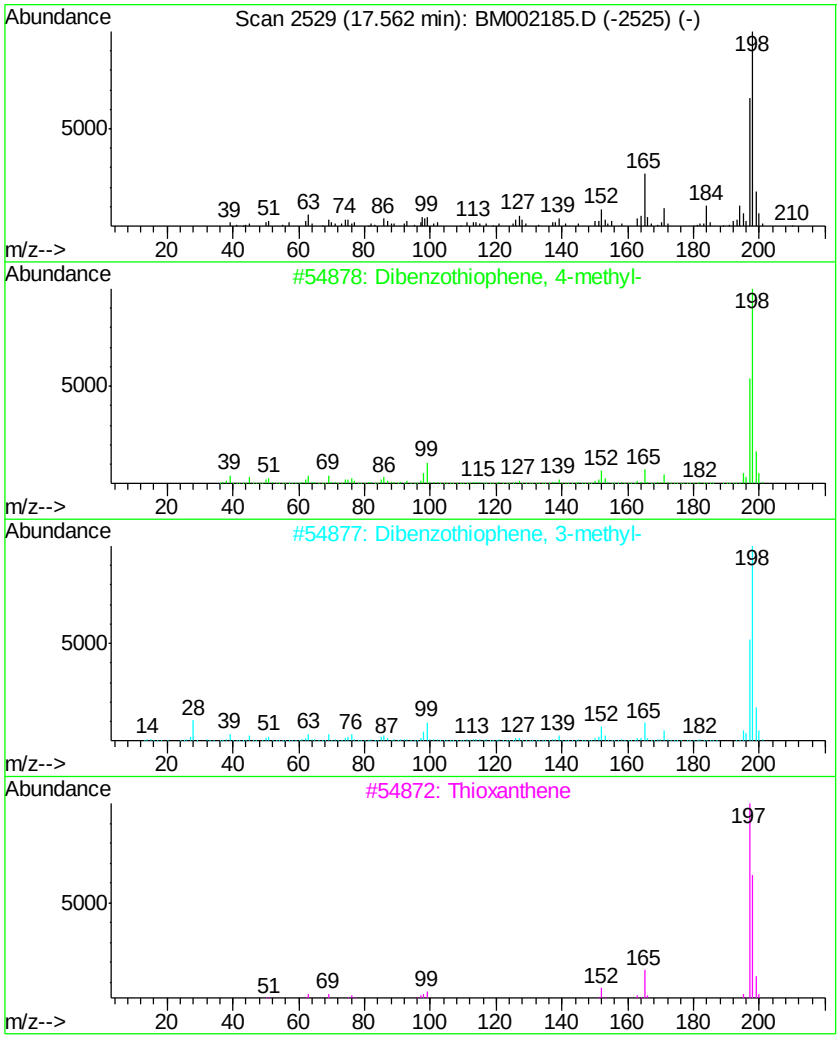
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

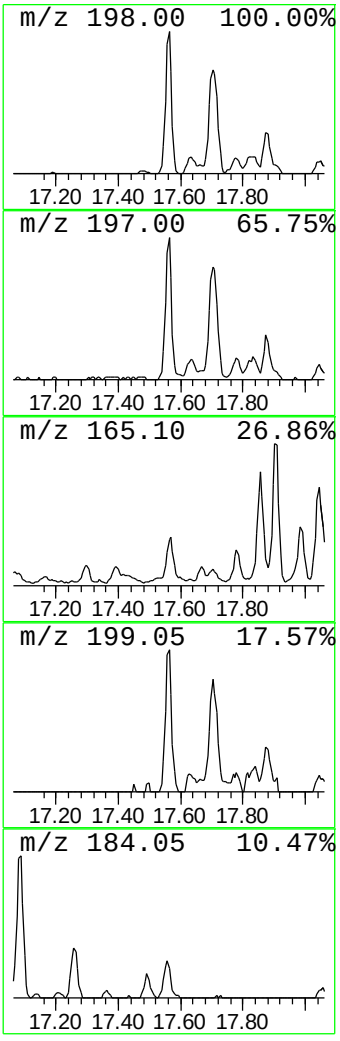
****

Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	2.79 ng/ul	222888	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3	Thioxanthene	198	C13H10S	000261-31-4	78
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

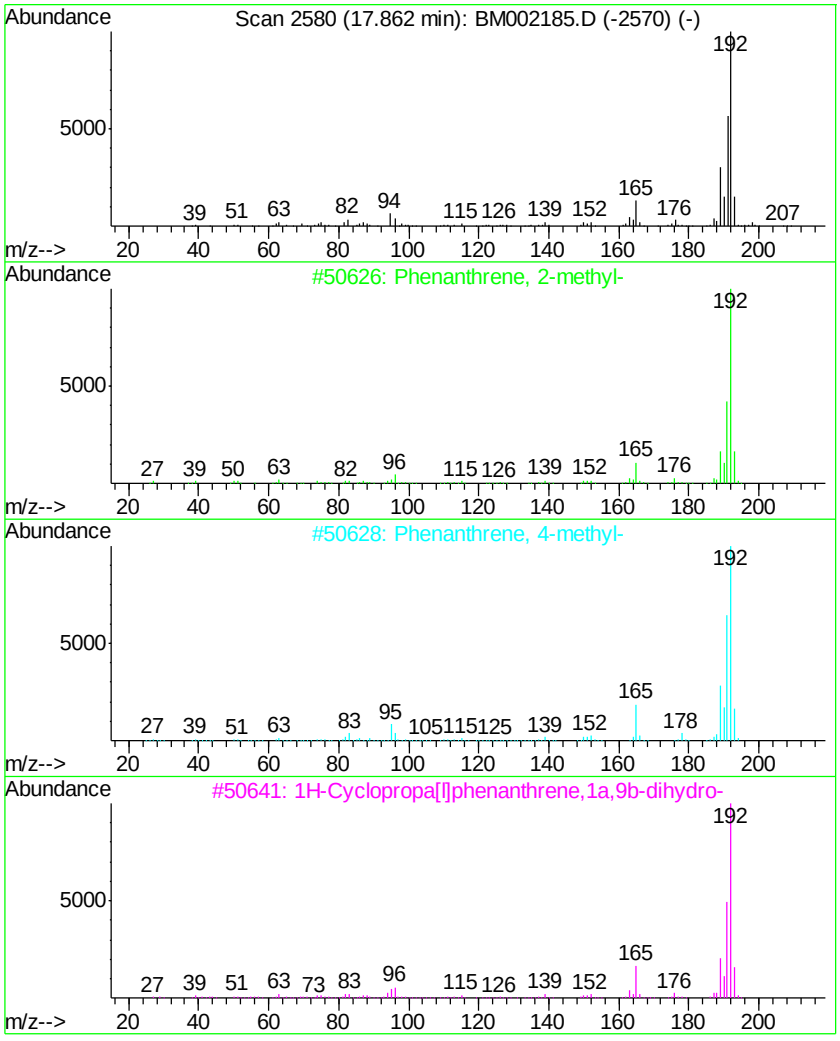
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

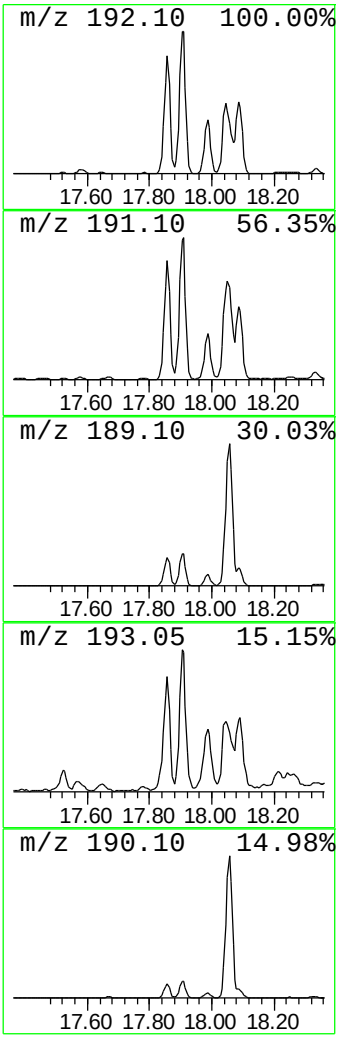
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	9.58 ng/ul	766545	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

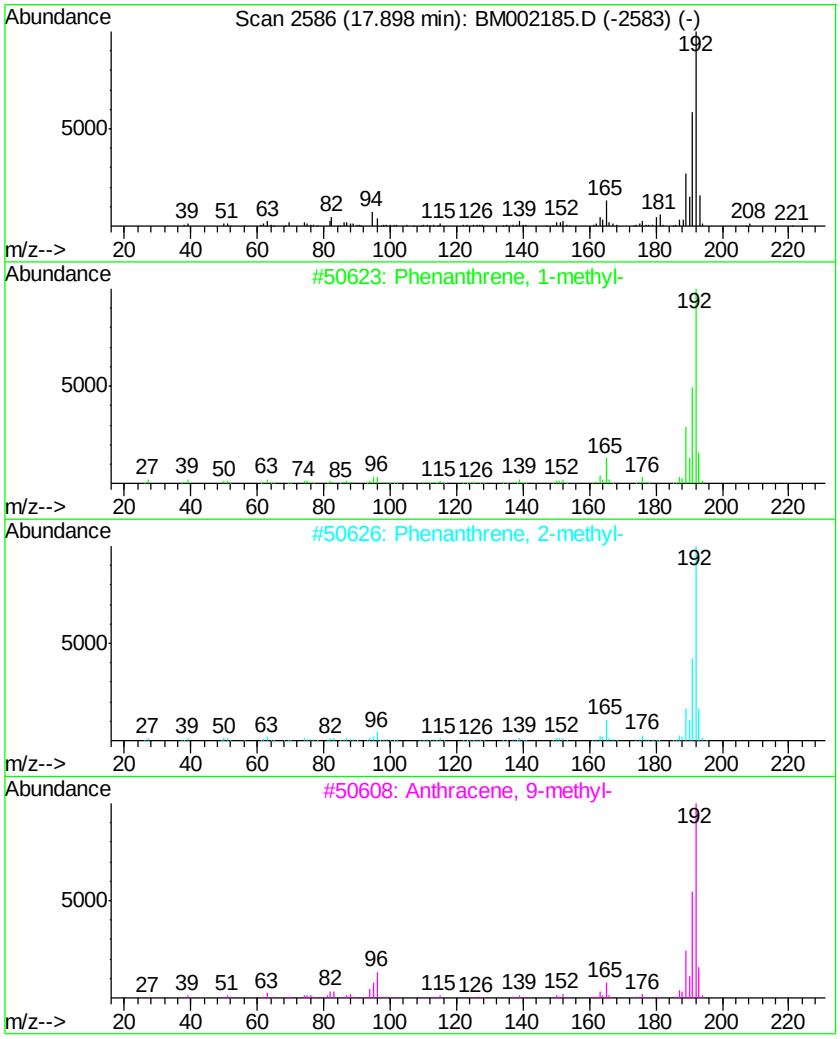
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

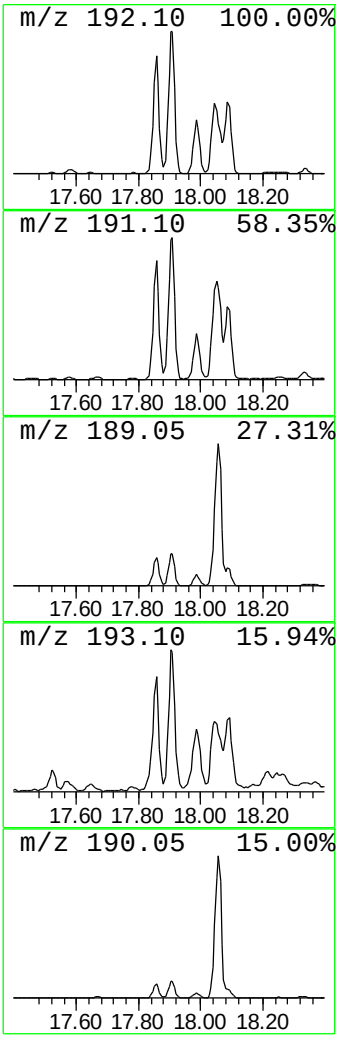
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	12.23 ng/ul	978778	Phenanthrene-d10	16.99

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

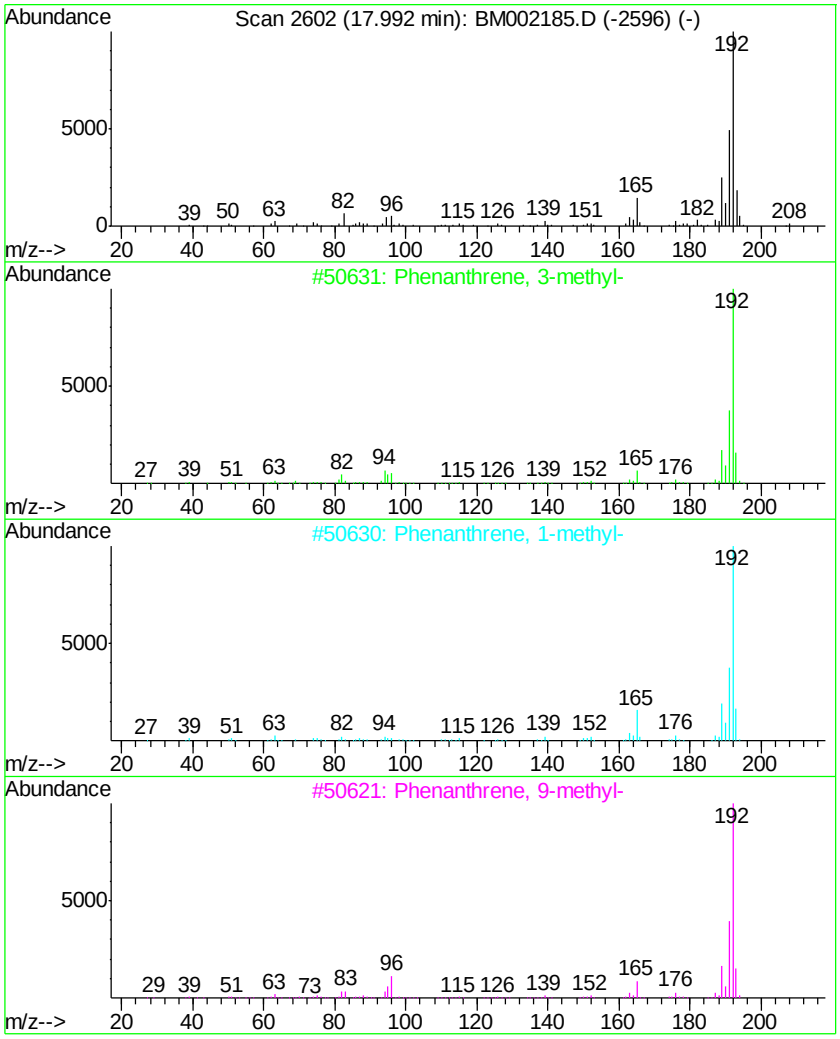
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

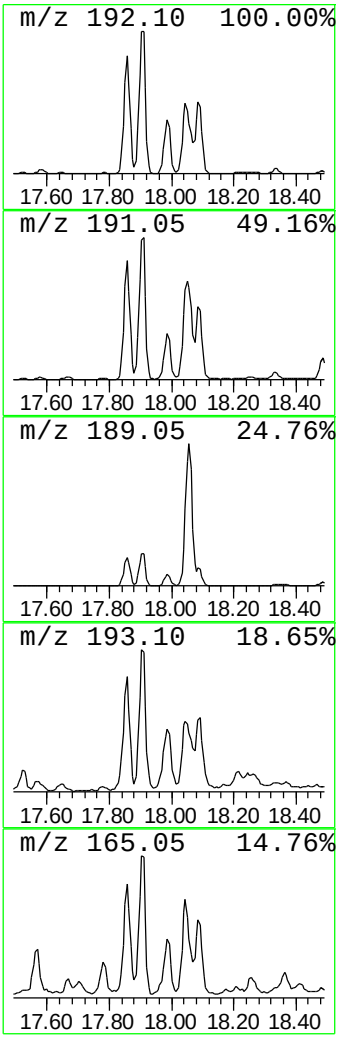
****

Peak Number 10 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.21 ng/ul	337098	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

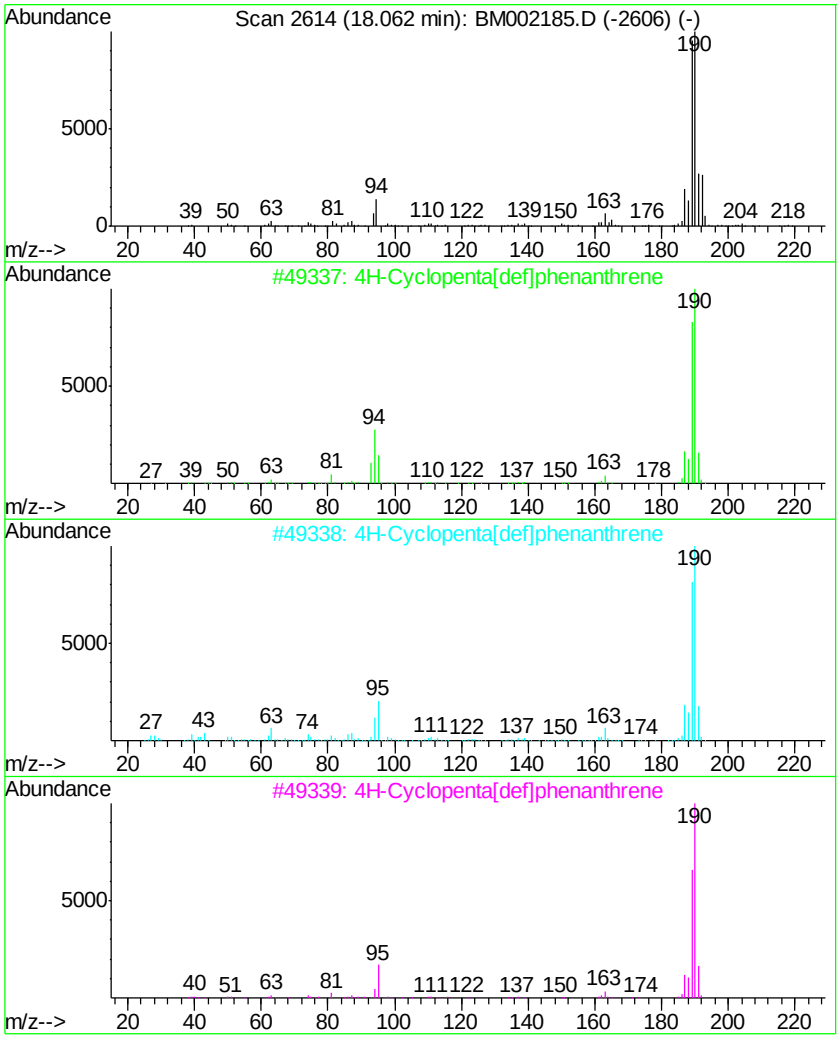
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

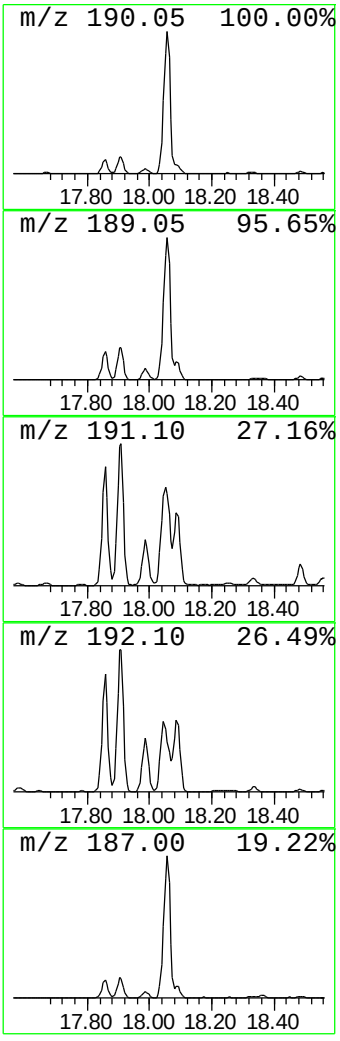
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	21.08 ng/ul	1687280	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

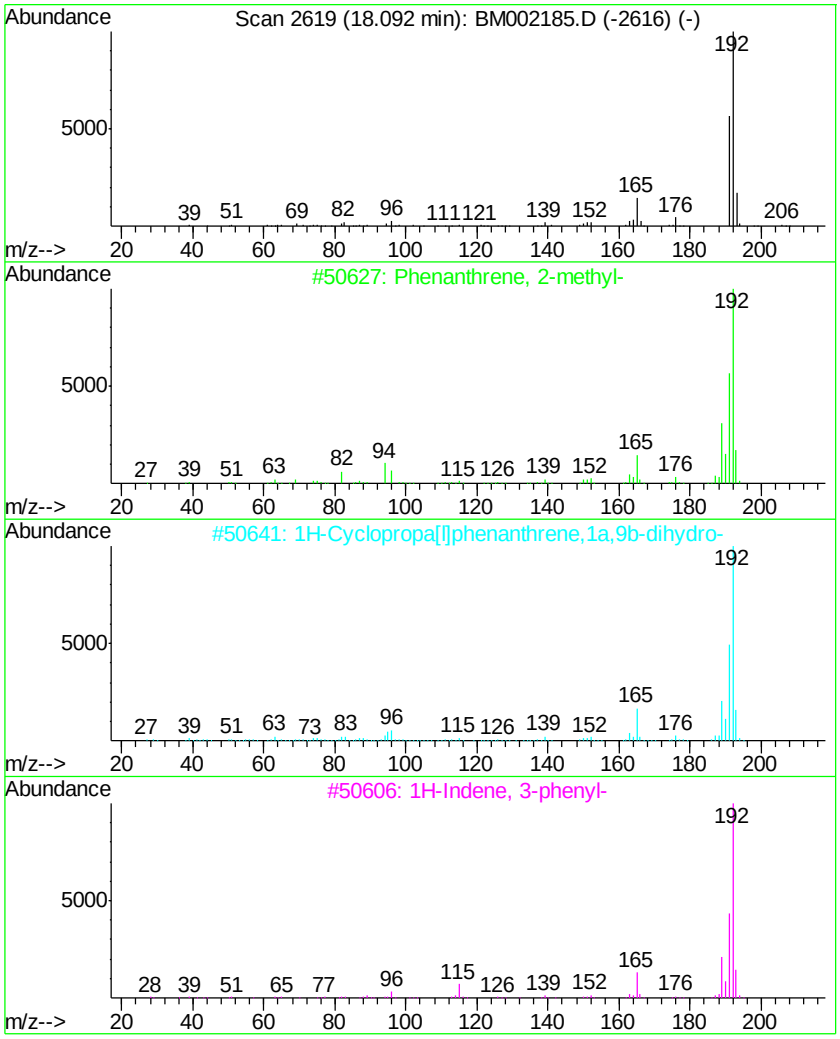
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

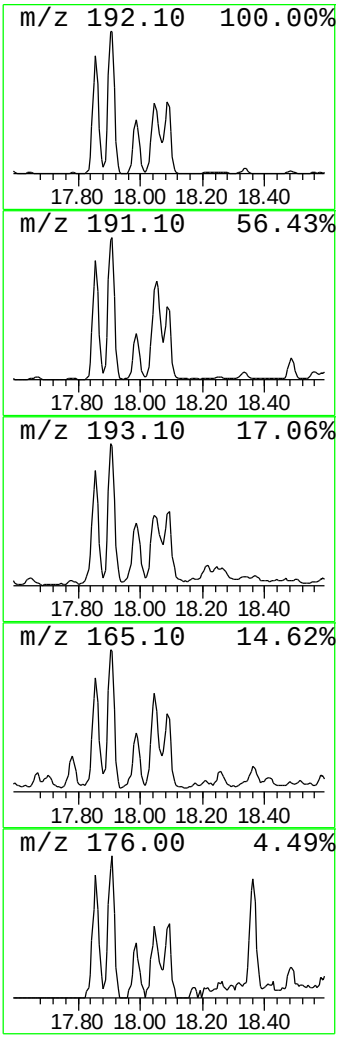
****

Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.32 ng/ul	425702	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

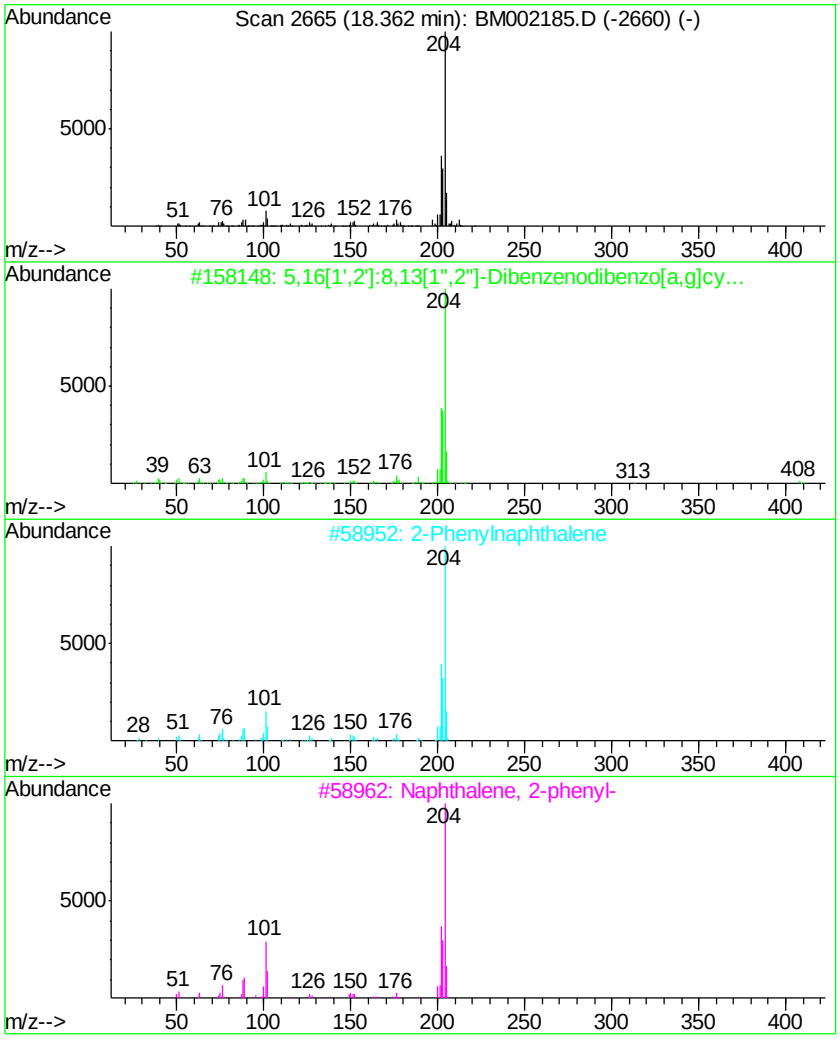
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

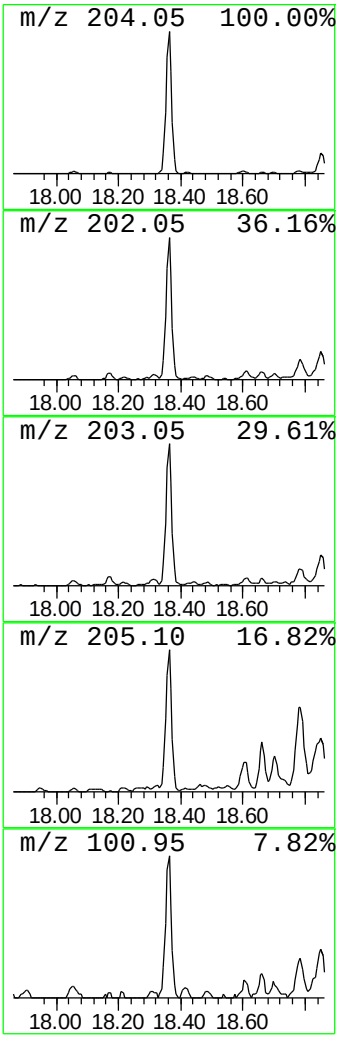
****

Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	8.08 ng/ul	646358	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

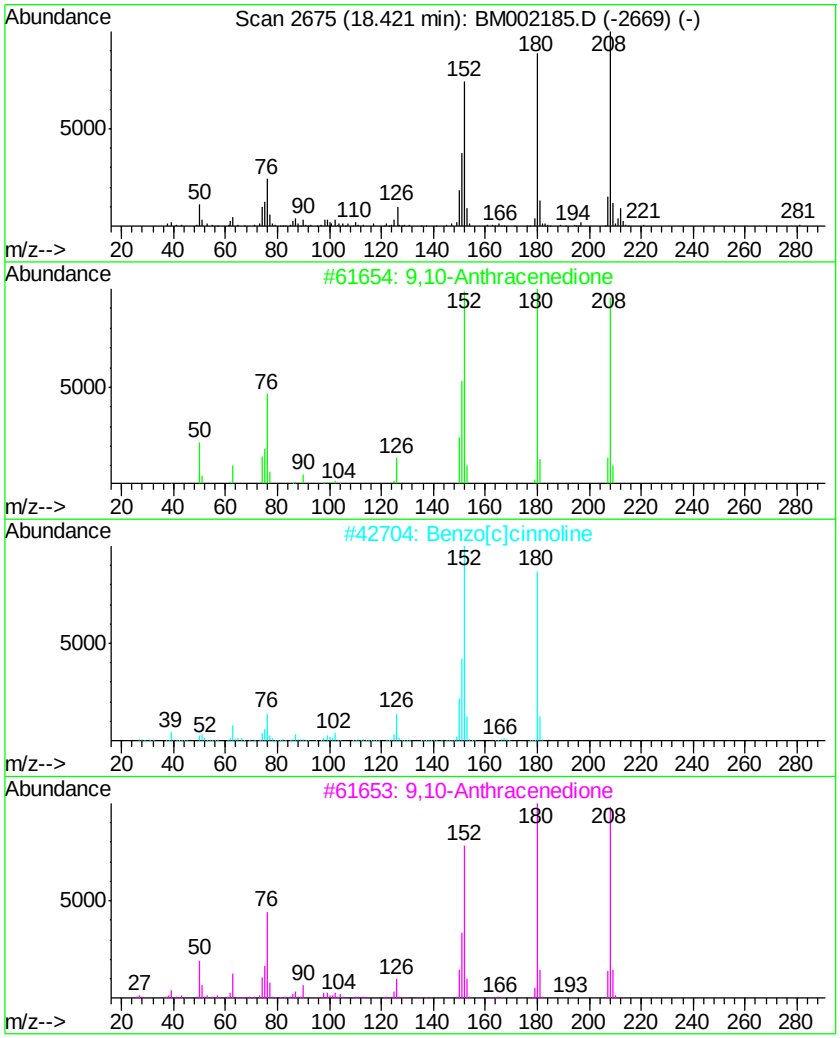
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

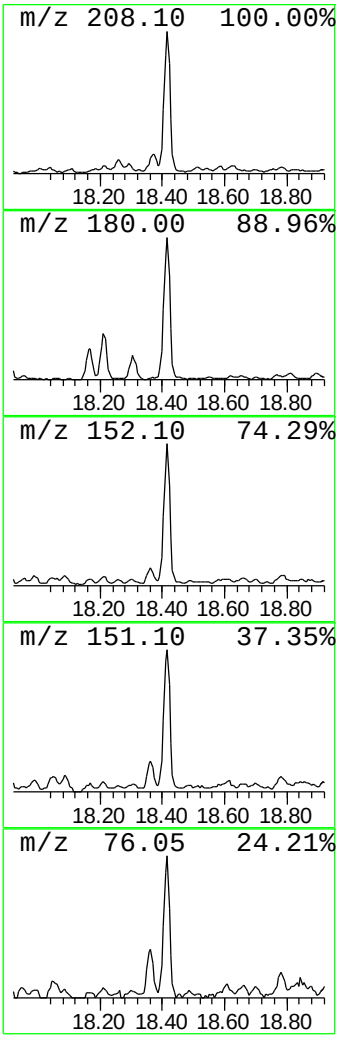
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	5.56 ng/ul	444542	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

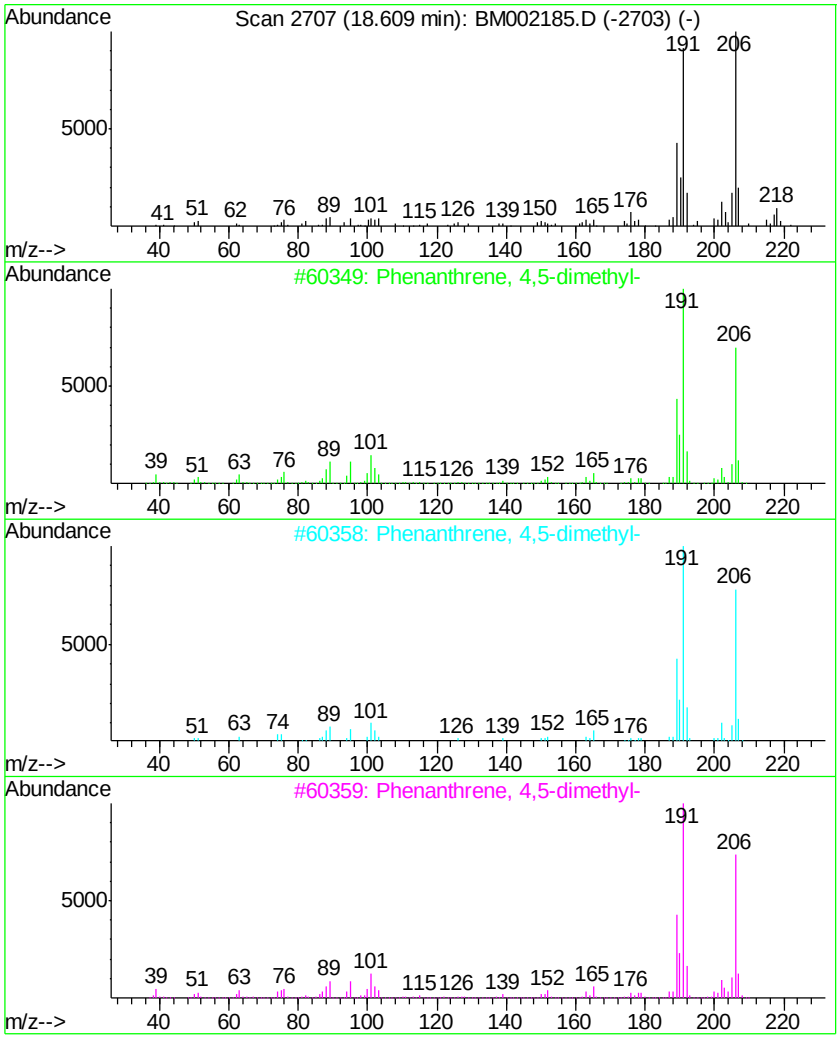
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

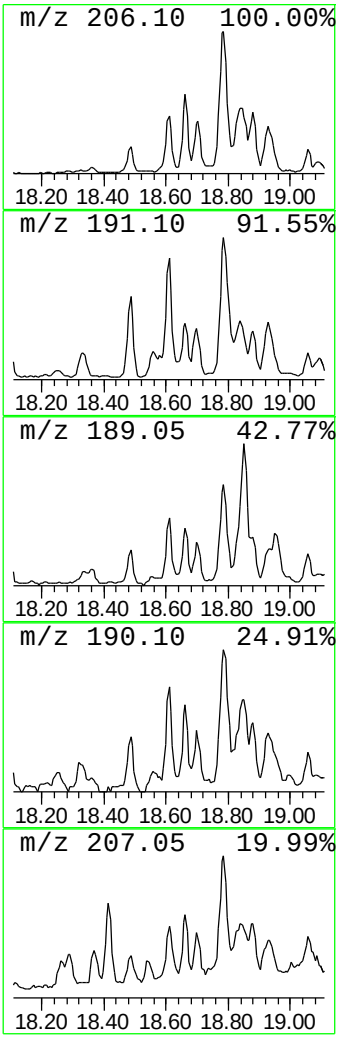
****

Peak Number 15 Phenanthrene, 4,5-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.27 ng/ul	181802	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

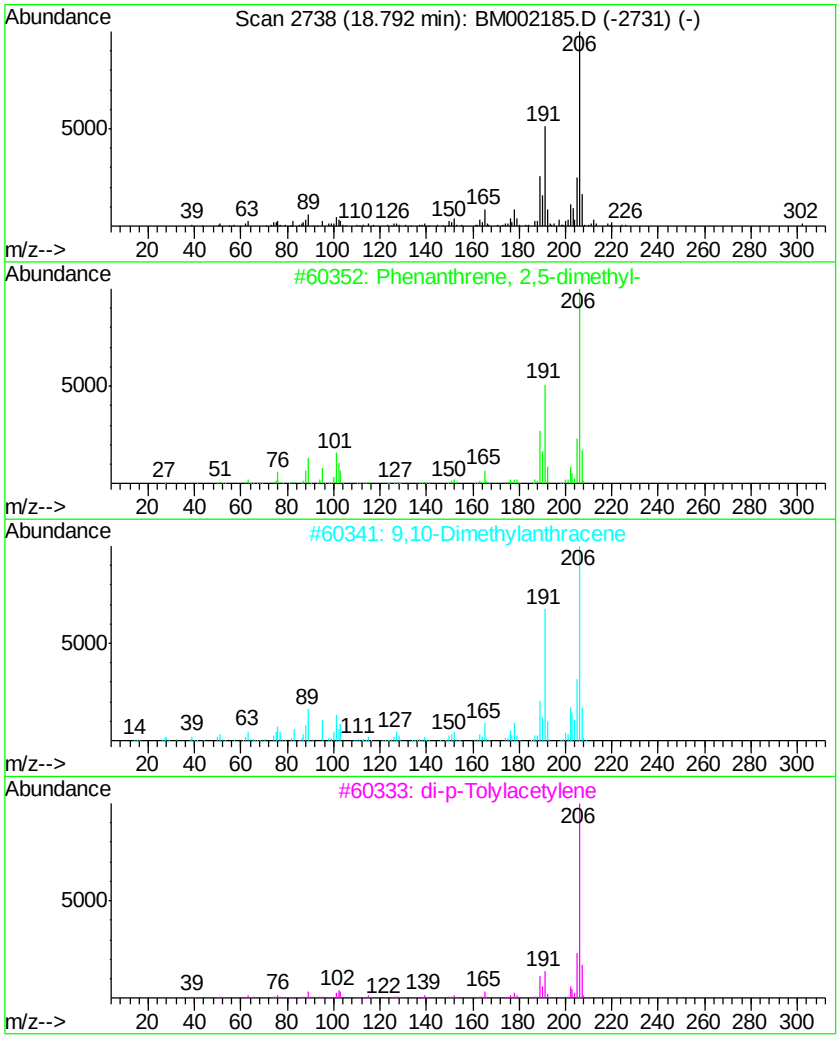
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

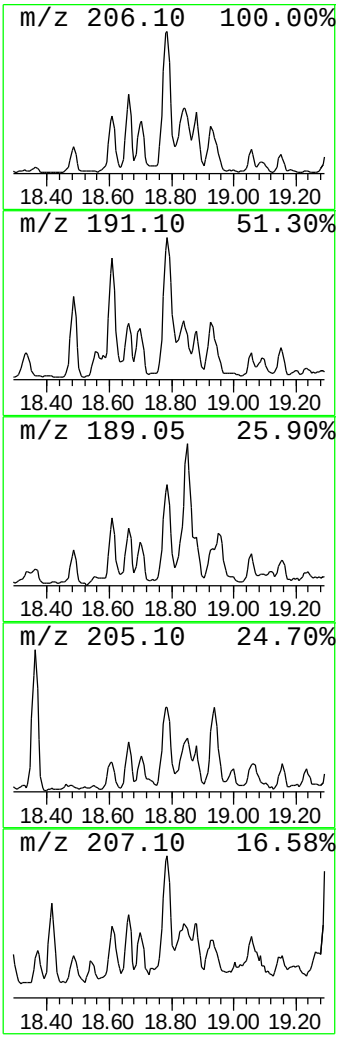
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	5.79 ng/ul	463333	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

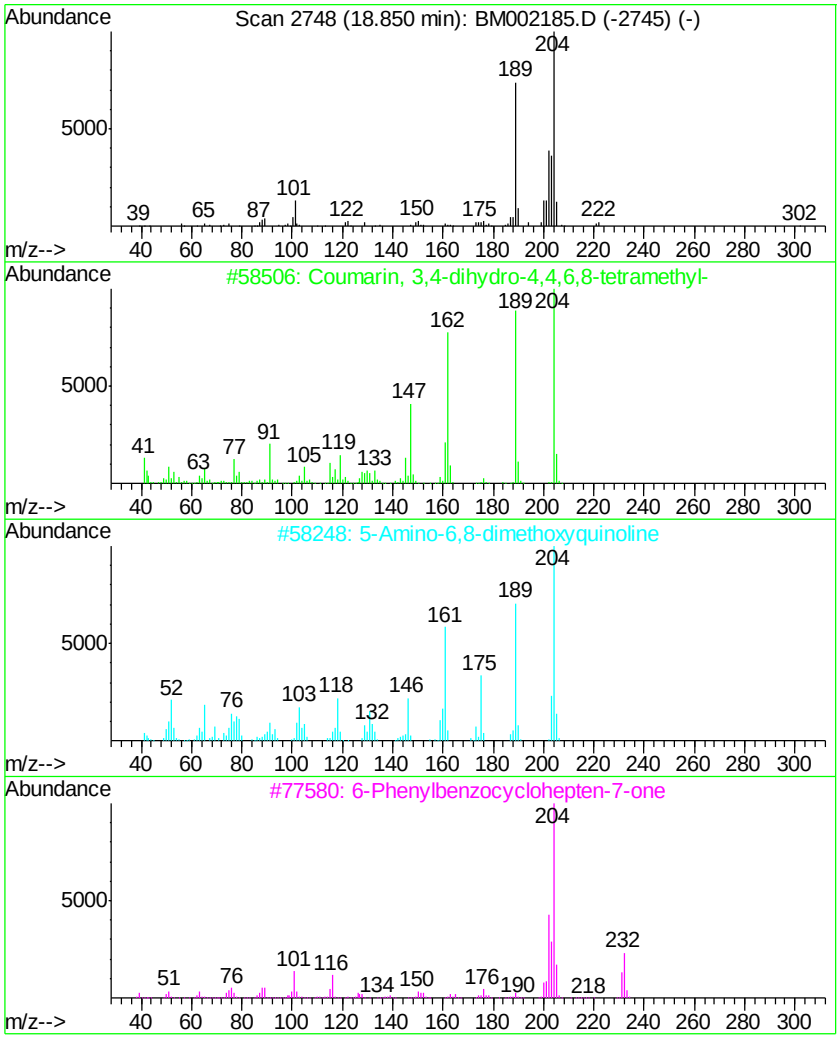
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

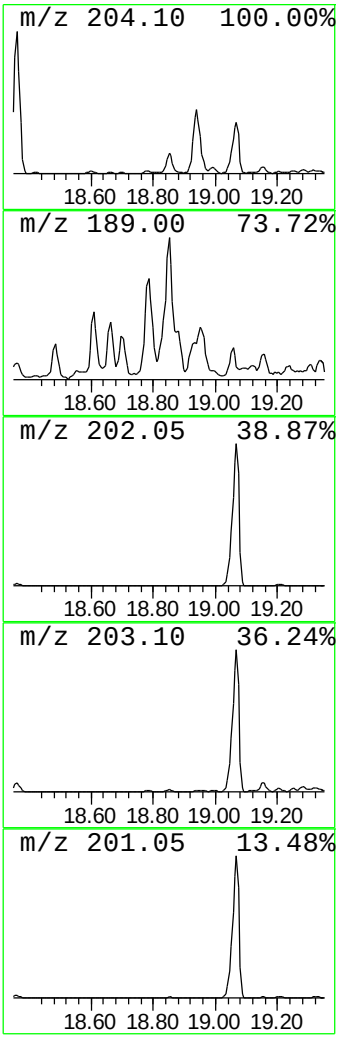
****

Peak Number 17 Coumarin, 3,4-dihydro-4,4,6... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.32 ng/ul	185409	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coumarin, 3,4-dihydro-4,4,6,8-te...	204	C13H16O2	249629-60-5	50
2	5-Amino-6,8-dimethoxyquinoline	204	C11H12N2O2	1000213-95-2	45
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	40
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

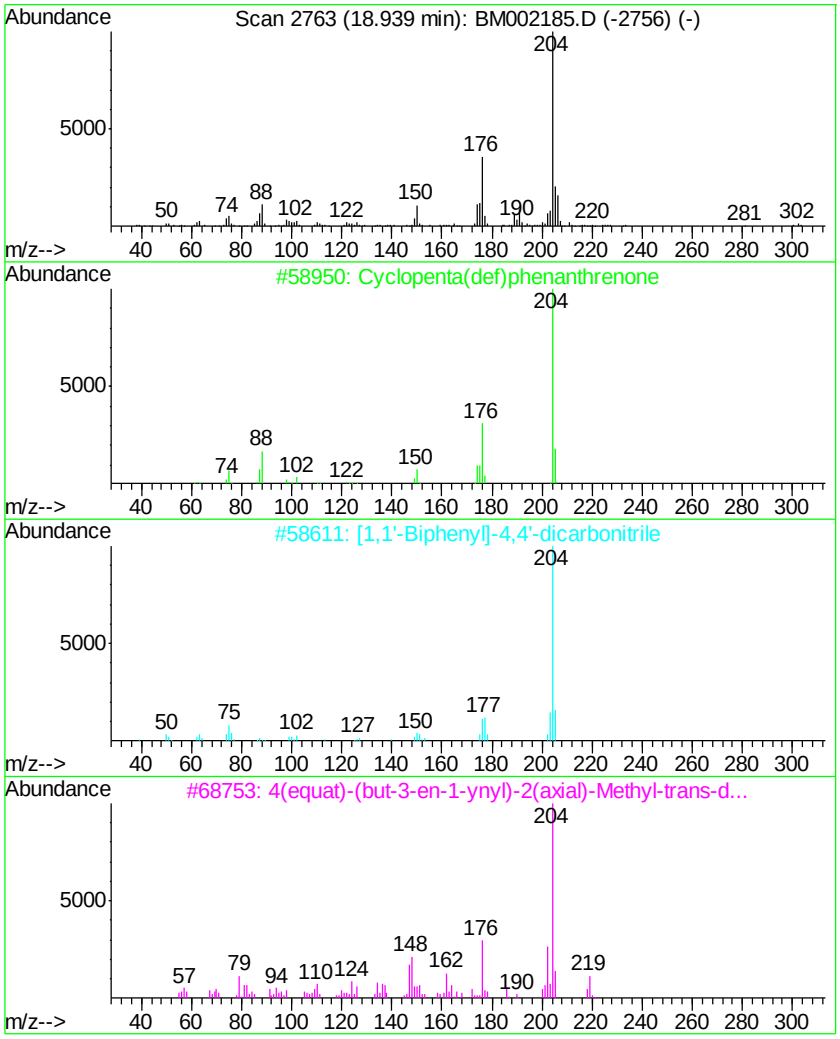
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

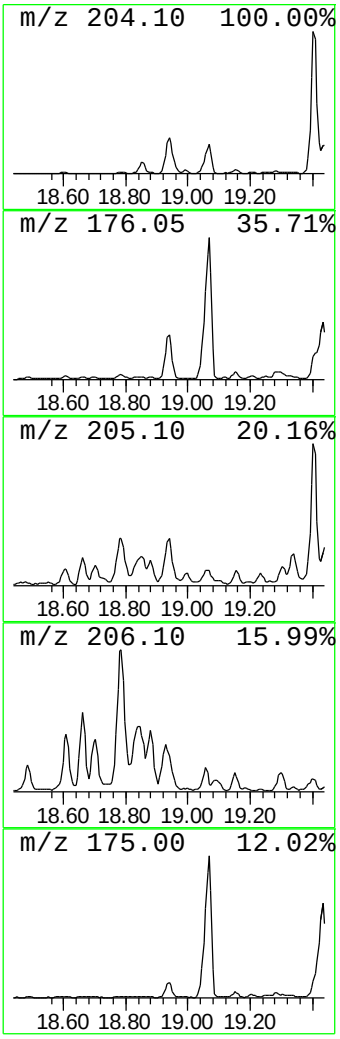
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	6.30 ng/ul	504080	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
4	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

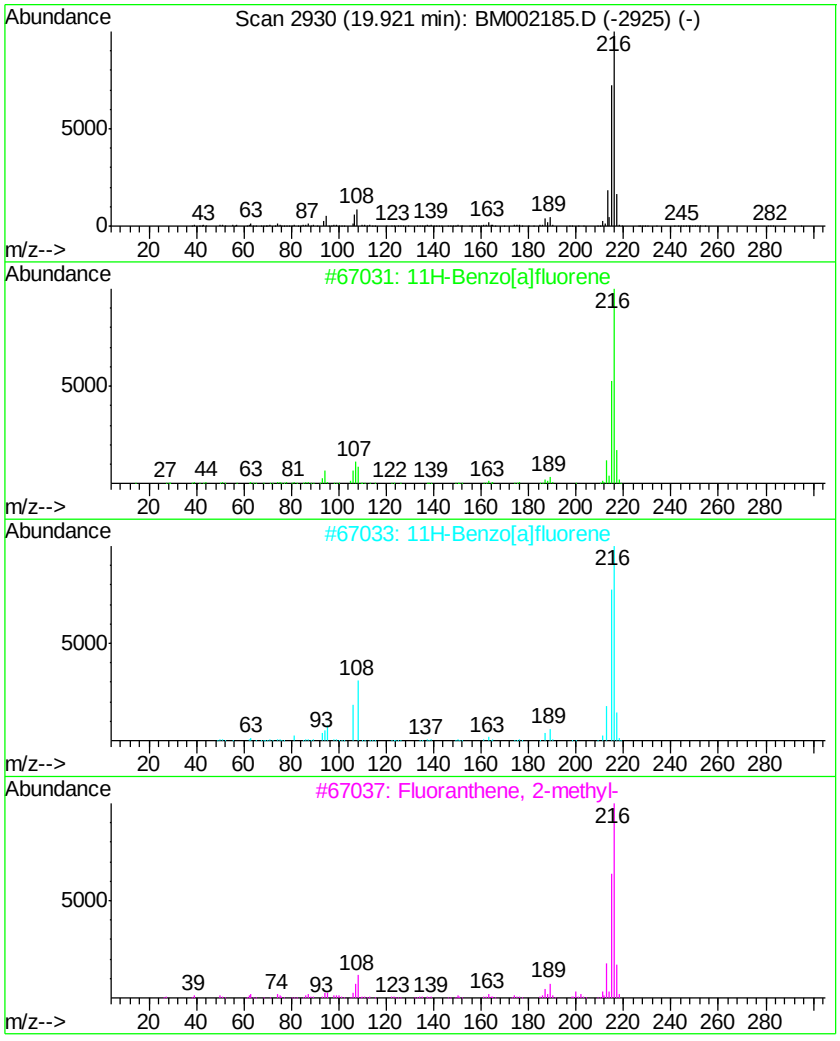
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

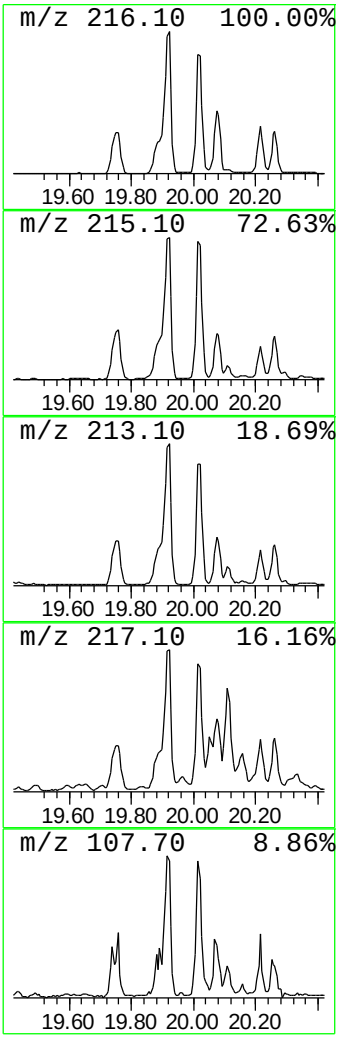
****

Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.52 ng/ul	1637970	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

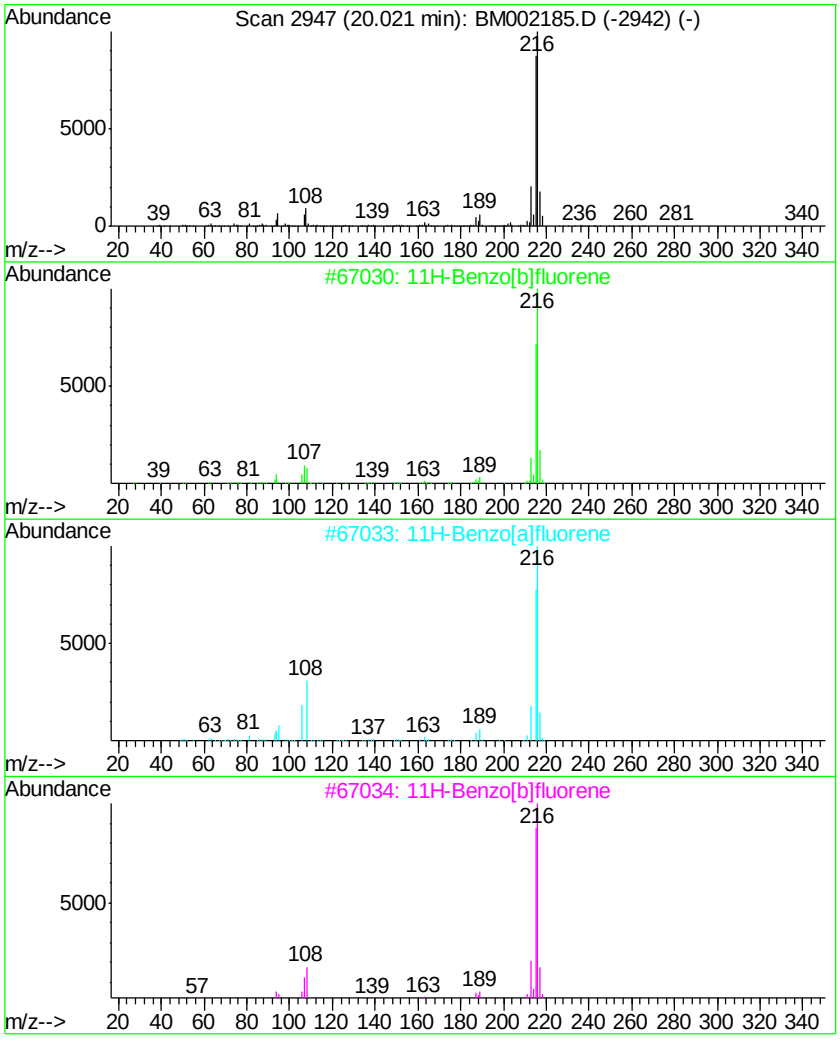
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

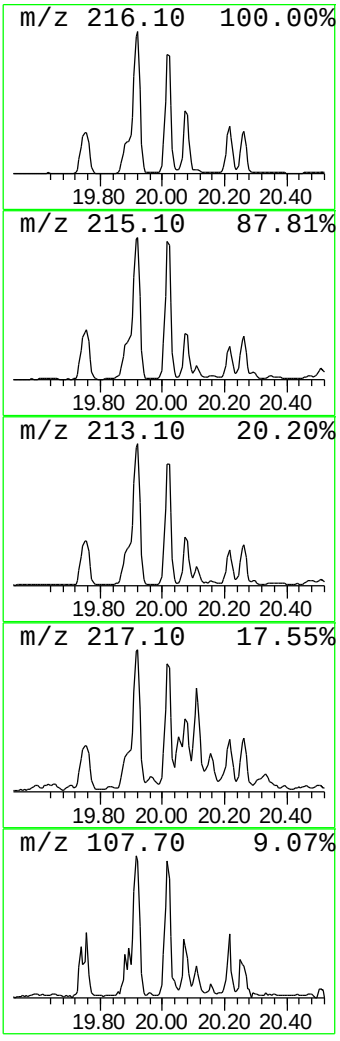
****

Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.67 ng/ul	1245050	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

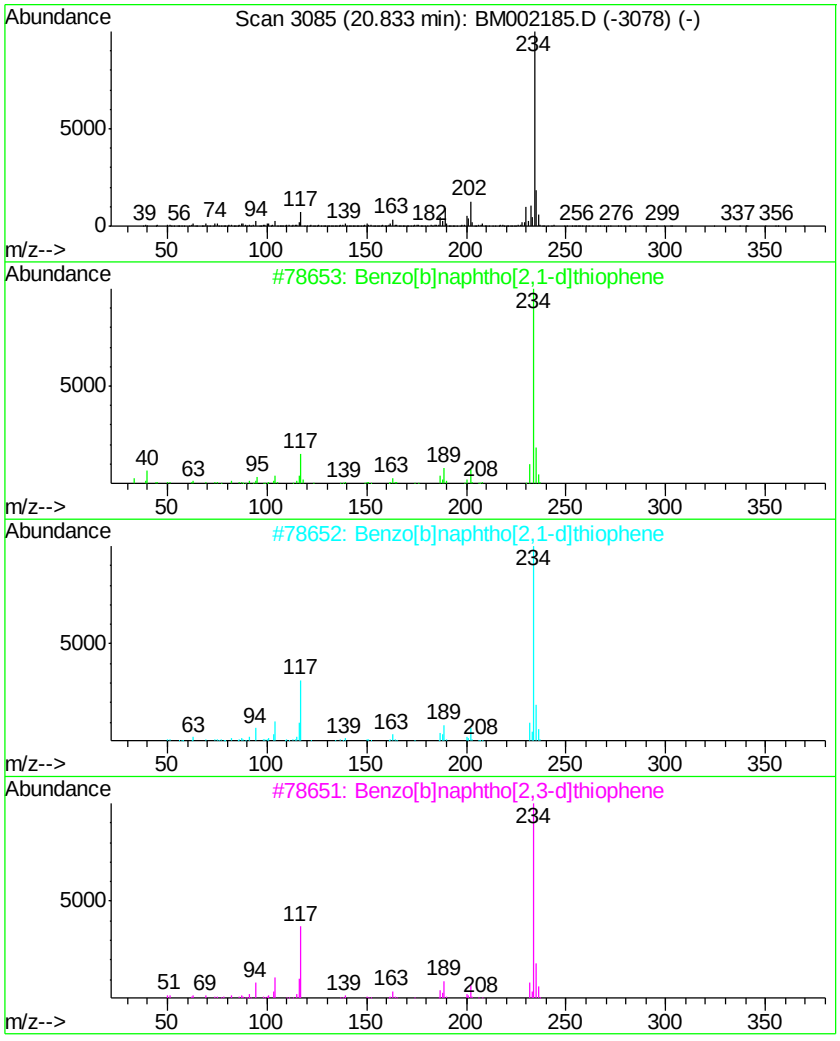
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

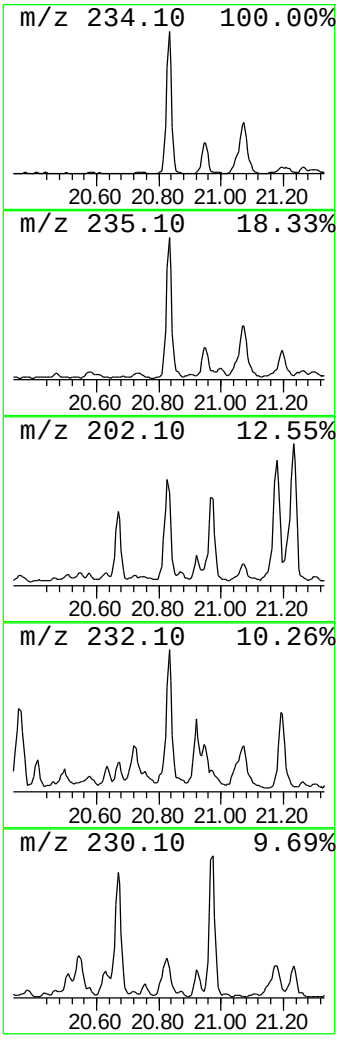
****

Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.78 ng/ul	1293900	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

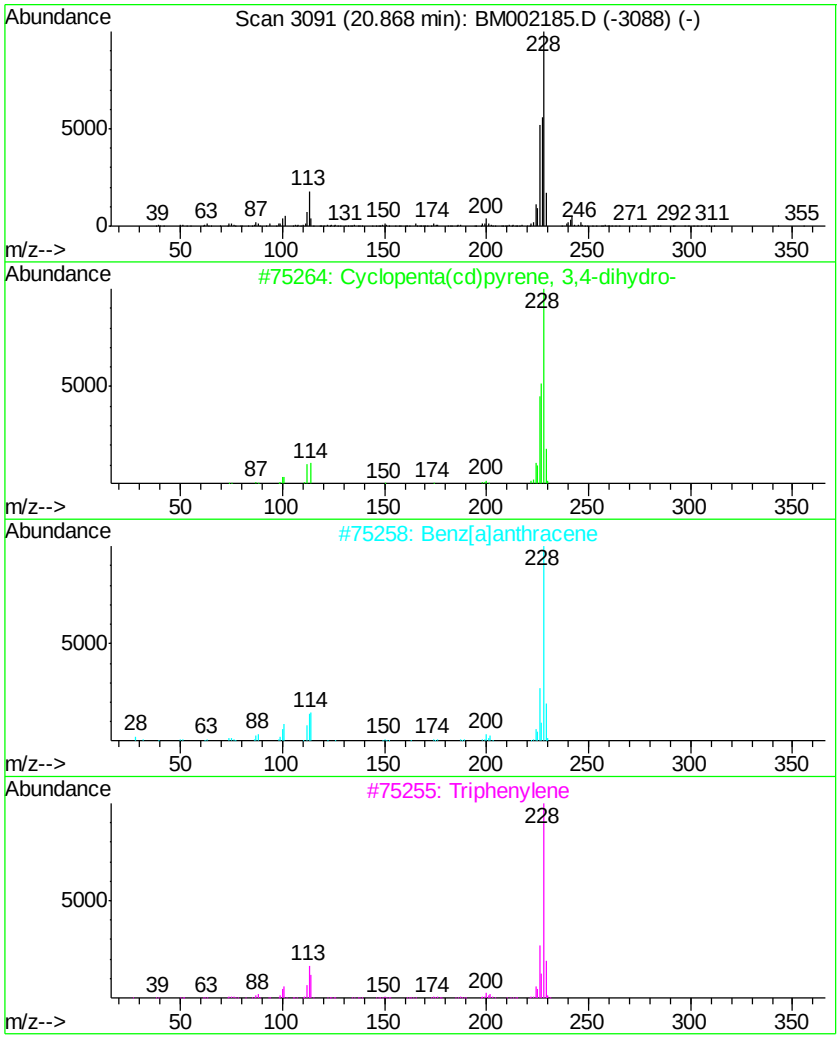
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

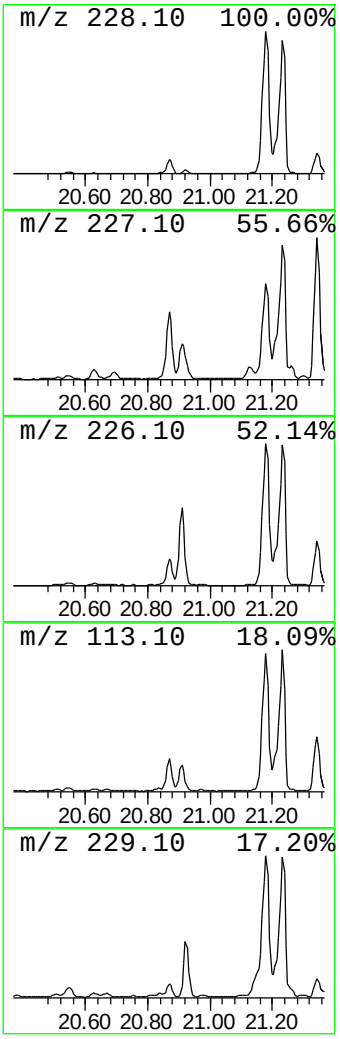
****

Peak Number 23 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.07 ng/ul	962930	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
2	Benz[a]anthracene	228	C18H12	000056-55-3	55
3	Triphenylene	228	C18H12	000217-59-4	55
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
5	Chrysene	228	C18H12	000218-01-9	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

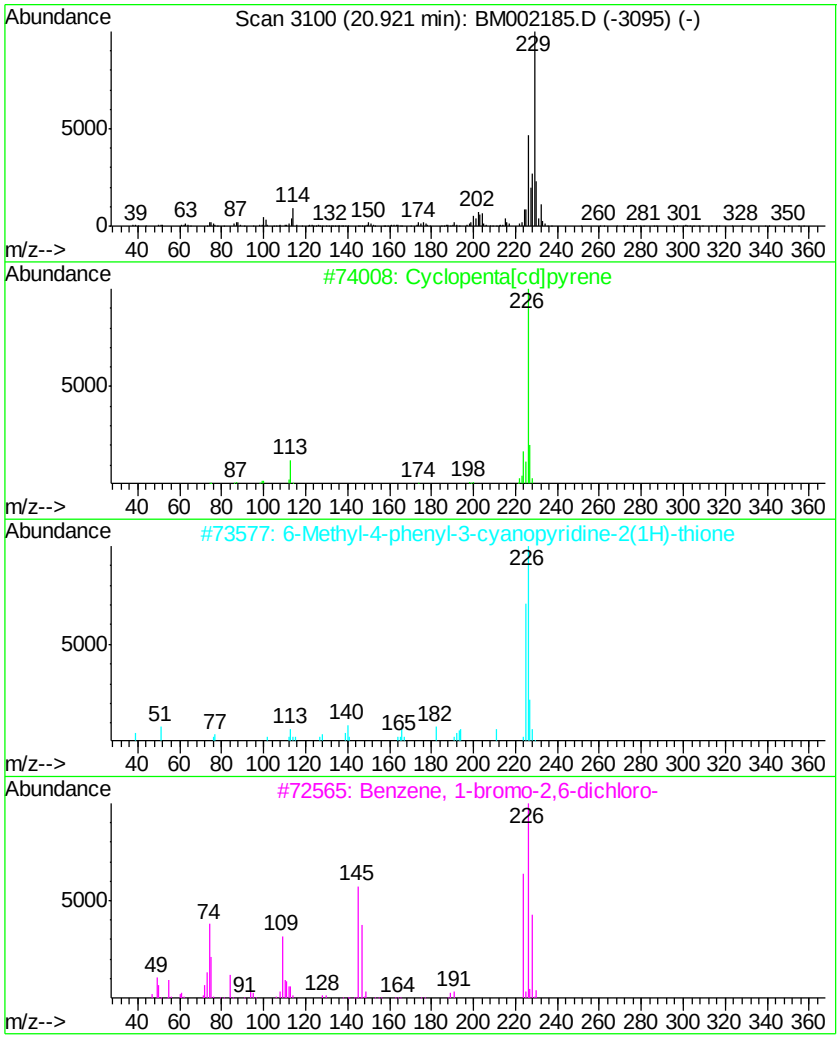
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

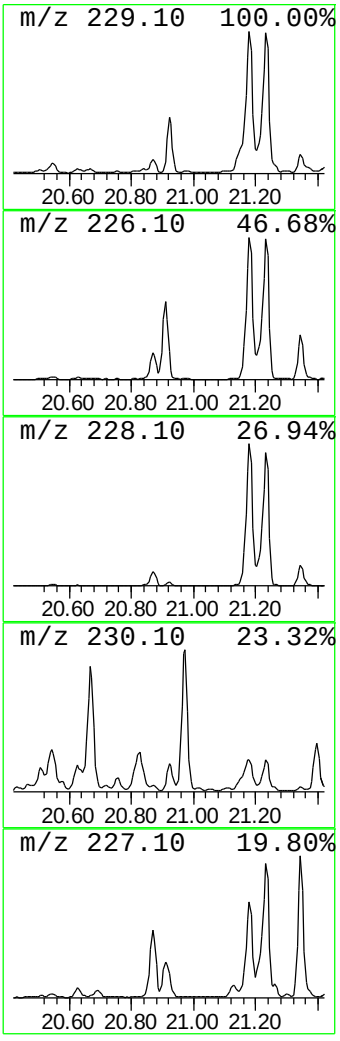
****

Peak Number 24 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.70 ng/ul	1255230	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	43
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	43
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	43
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	37





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

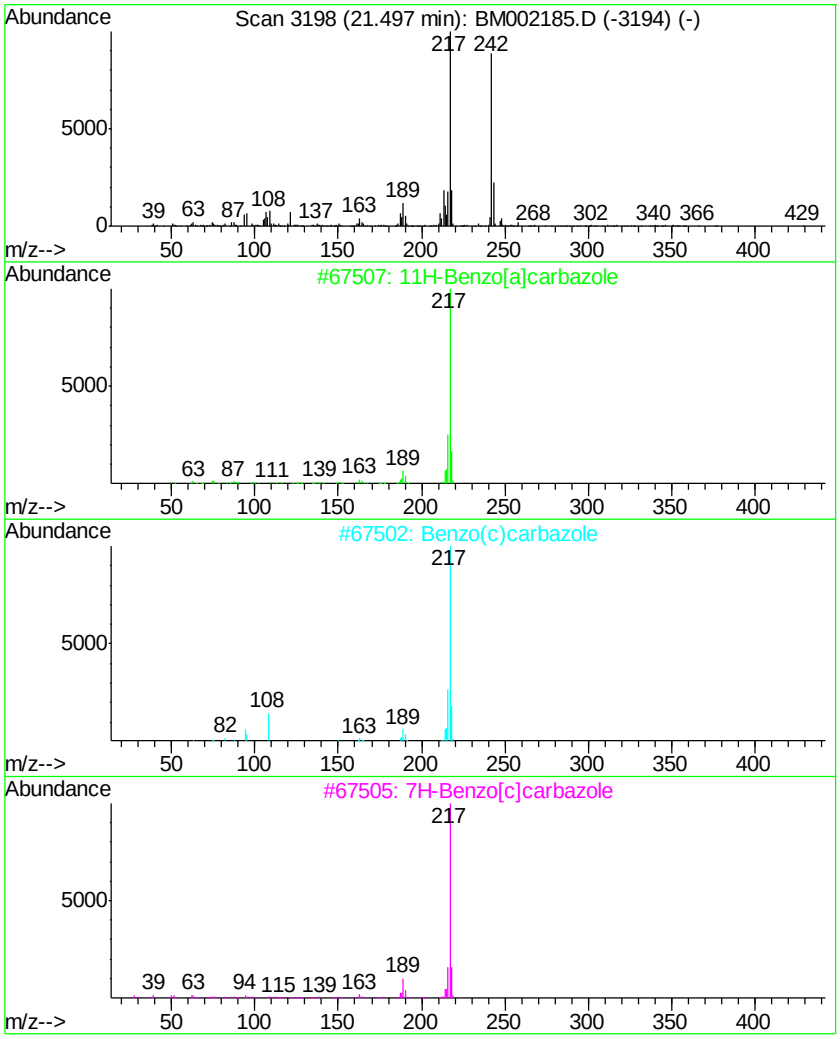
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

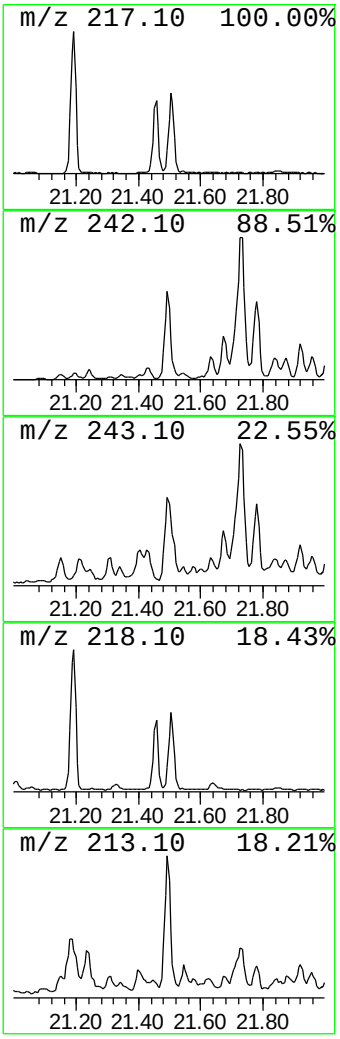
****

Peak Number 26 11H-Benzo[a]carbazole Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	2.04 ng/ul	948505	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	86
2	Benzo(c)carbazole	217	C16H11N	034777-33-8	76
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	76
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	76
5	Benzo(b)carbazole	217	C16H11N	000243-28-7	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

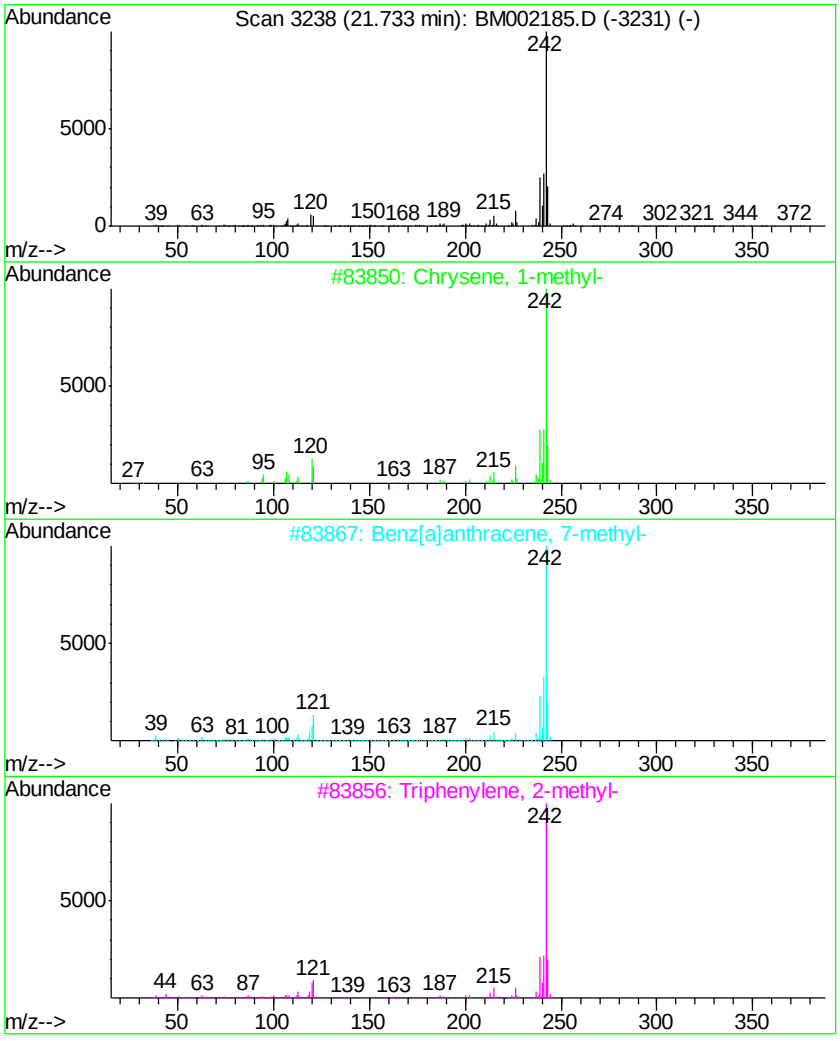
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

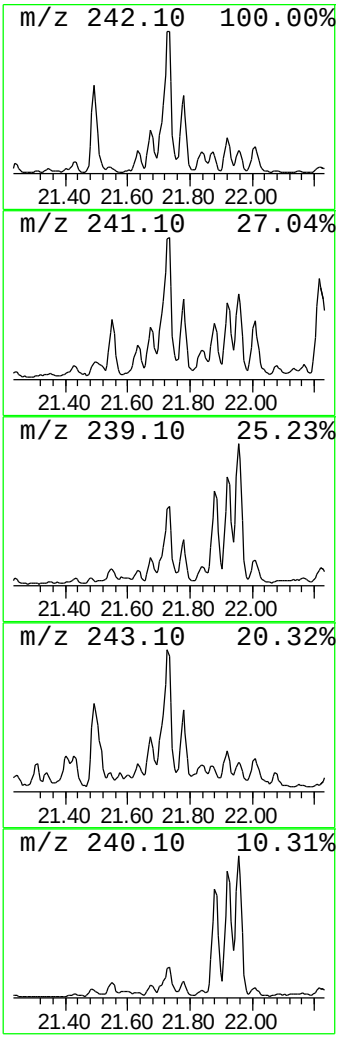
****

Peak Number 27 Chrysene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	2.24 ng/ul	1040920	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	97
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	92
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

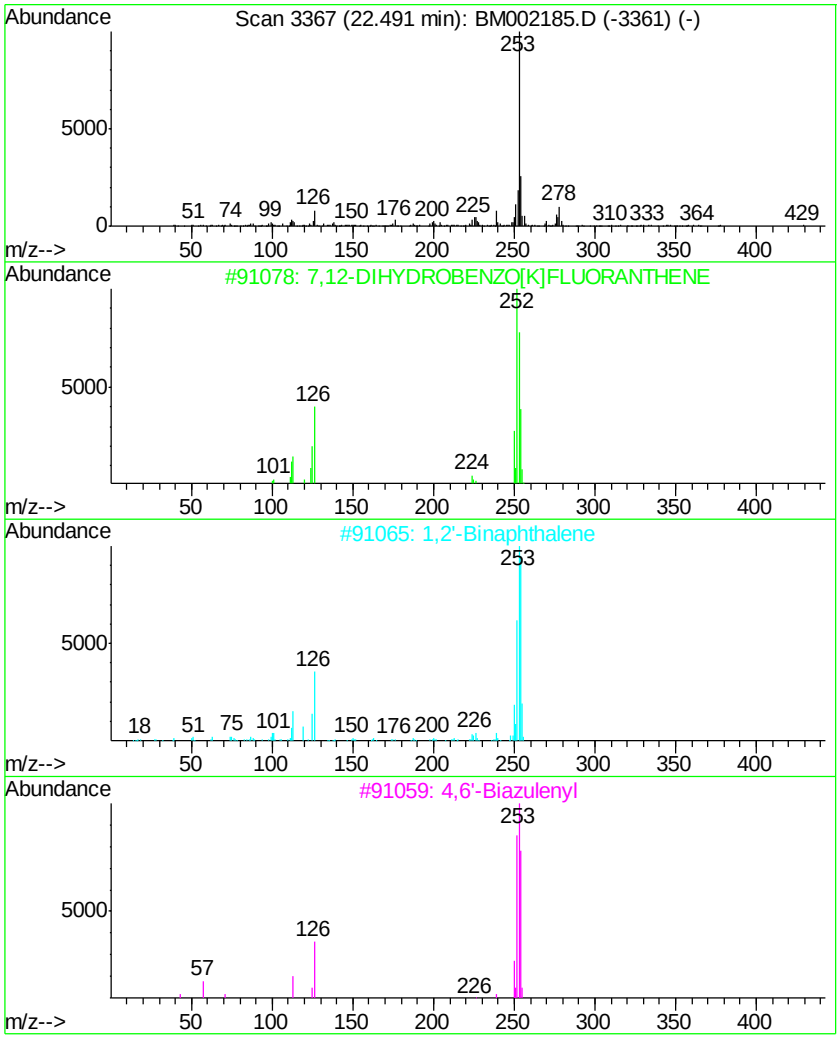
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

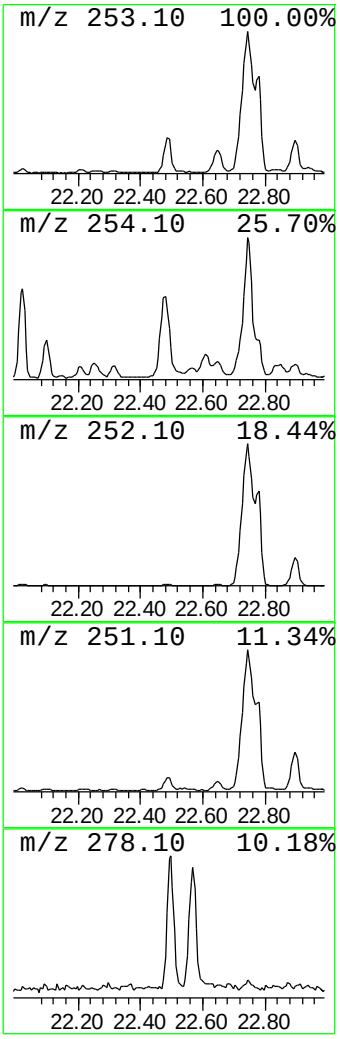
****

Peak Number 28 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	6.81 ng/ul	485934	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	53
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	43
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	43
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	38
5	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

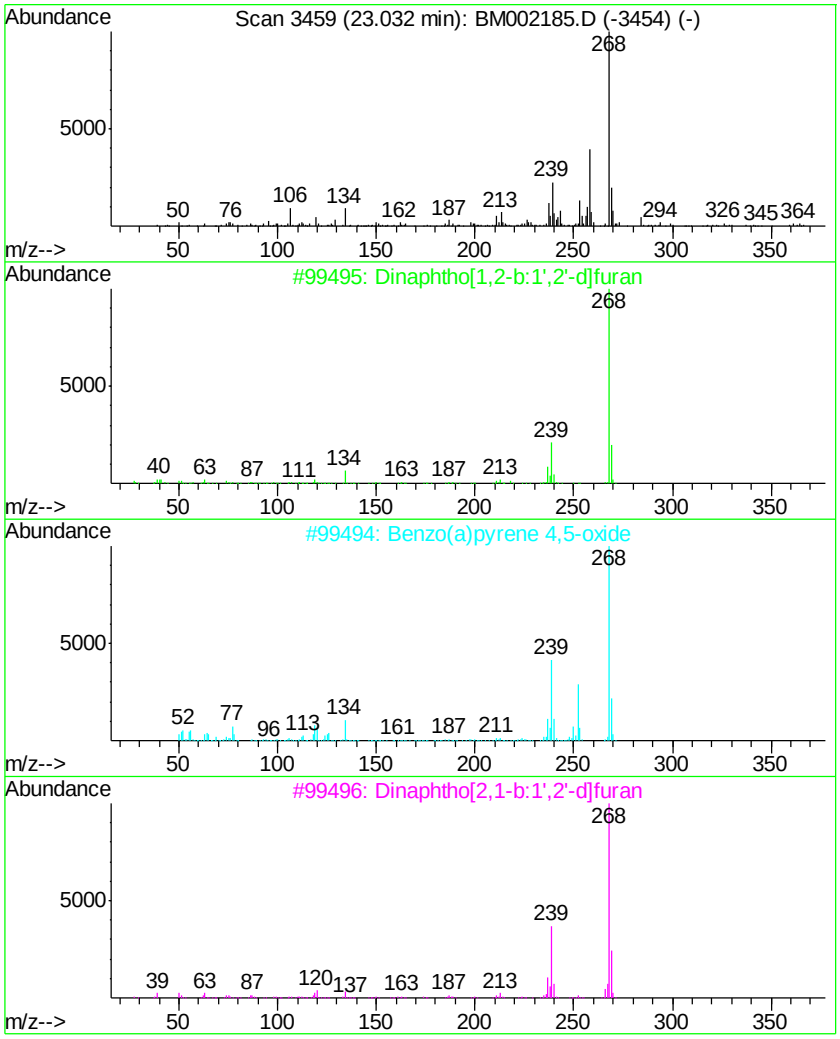
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

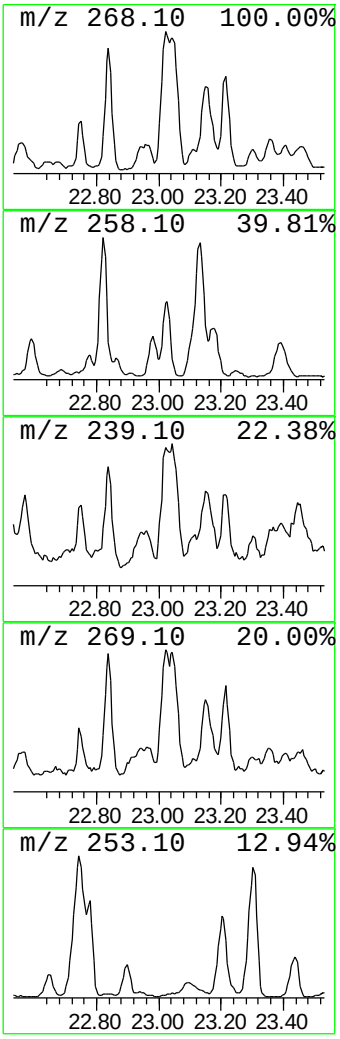
****

Peak Number 30 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.03	5.48 ng/ul	390956	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	52
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	52
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	49
5	4H-1-Benzopyran-4-one, 3-hydroxy...	268	C16H12O4	007478-60-6	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

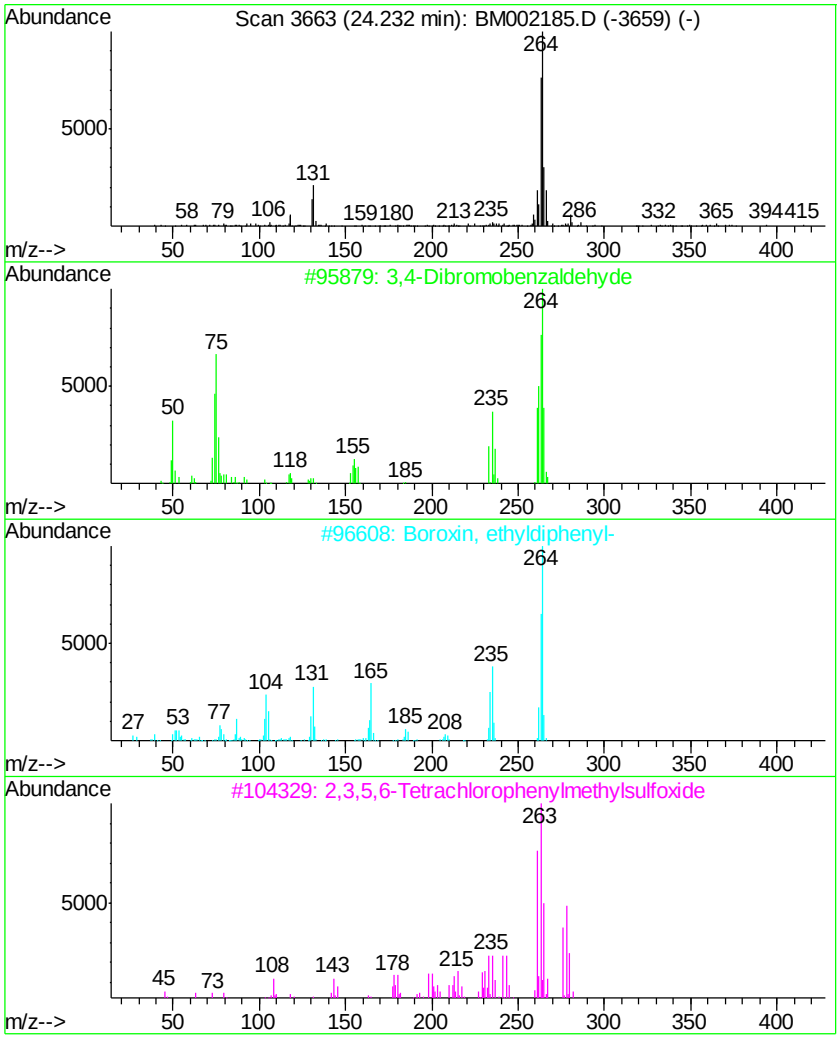
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

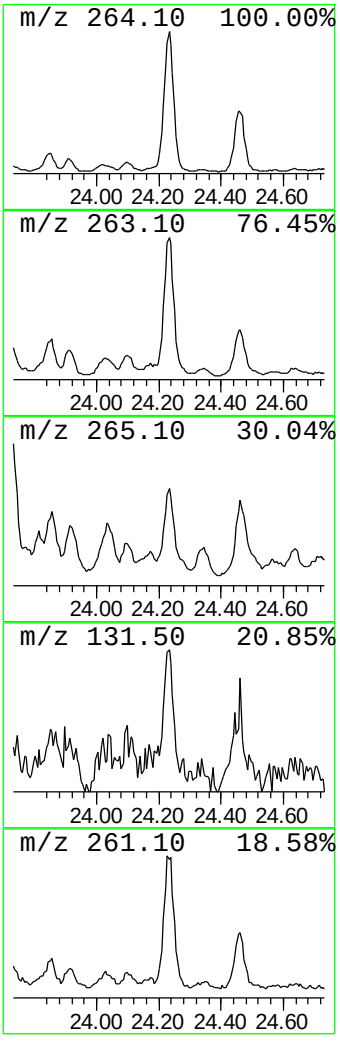
****

Peak Number 31 3,4-Dibromobenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.23	5.26 ng/ul	375179	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
3	2,3,5,6-Tetrachlorophenylmethyls...	276	C7H4Cl4OS	107409-52-9	32
4	Pentan-2-one, 4-(2-fluorenylimino)-	263	C18H17NO	050651-58-6	27
5	10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

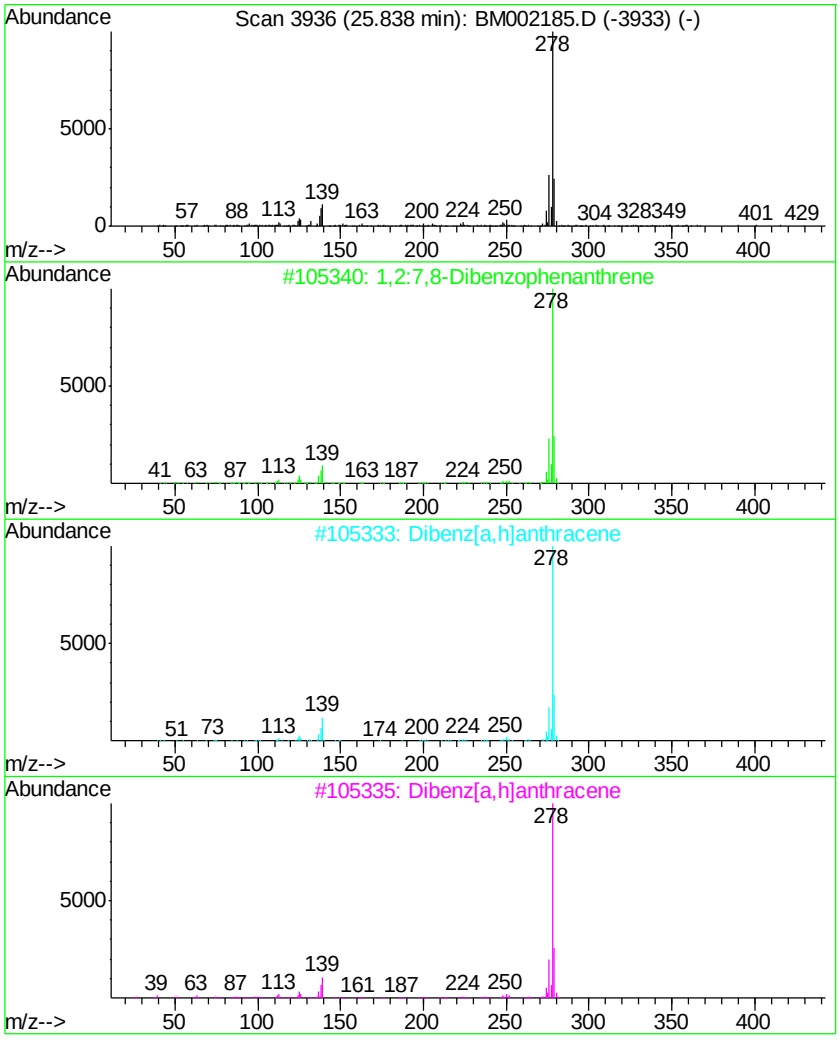
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

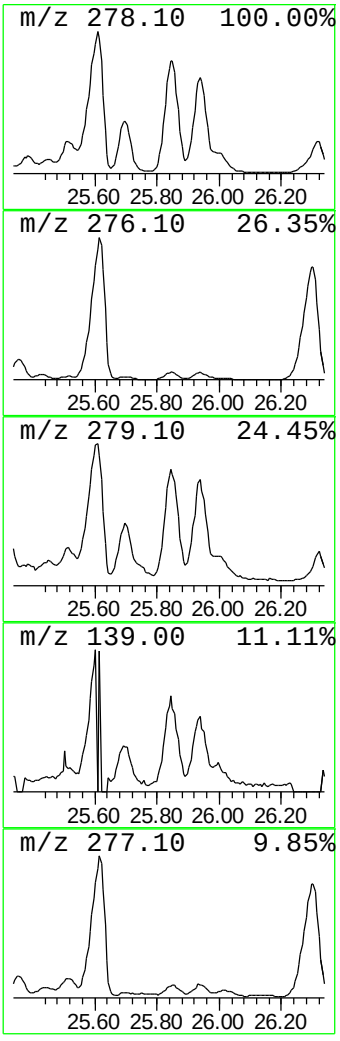
****

Peak Number 32 1,2:7,8-Dibenzophenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.84	8.72 ng/ul	622222	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Pentaphene	278	C22H14	000222-93-5	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002185.D
Acq On : 03 Aug 2015 00:55
Operator : TP
Sample : G3095-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
9H-Fluoren-9-ol	15.72	2.5	ng/ul	196548	4	16.99	1600490	20.0
9H-Fluorene, 1-me...	16.29	2.7	ng/ul	218280	4	16.99	1600490	20.0
9H-Fluoren-9-one	16.64	3.3	ng/ul	265304	4	16.99	1600490	20.0
Anthracene, 1,2,3...	16.73	3.0	ng/ul	239529	4	16.99	1600490	20.0
Naphtho[2,3-b]thi...	16.80	5.7	ng/ul	456055	4	16.99	1600490	20.0
Dibenzo[a,e]cyclo...	17.50	2.1	ng/ul	169890	4	16.99	1600490	20.0
Dibenzothiophene,...	17.56	2.8	ng/ul	222888	4	16.99	1600490	20.0
Phenanthrene, 2-m...	17.86	9.6	ng/ul	766545	4	16.99	1600490	20.0
Phenanthrene, 1-m...	17.90	12.2	ng/ul	978778	4	16.99	1600490	20.0
Phenanthrene, 3-m...	17.99	4.2	ng/ul	337098	4	16.99	1600490	20.0
4H-Cyclopenta[def...	18.06	21.1	ng/ul	1687280	4	16.99	1600490	20.0
1H-Cyclopropa[l]p...	18.09	5.3	ng/ul	425702	4	16.99	1600490	20.0
5,16[1',2']:8,13[...	18.36	8.1	ng/ul	646358	4	16.99	1600490	20.0
9,10-Anthracenedione	18.42	5.6	ng/ul	444542	4	16.99	1600490	20.0
Phenanthrene, 4,5...	18.61	2.3	ng/ul	181802	4	16.99	1600490	20.0
Phenanthrene, 2,5...	18.79	5.8	ng/ul	463333	4	16.99	1600490	20.0
Coumarin, 3,4-dih...	18.85	2.3	ng/ul	185409	4	16.99	1600490	20.0
Cyclopenta(def)ph...	18.94	6.3	ng/ul	504080	4	16.99	1600490	20.0
11H-Benzo[a]fluorene	19.92	3.5	ng/ul	1637970	5	21.19	9310730	20.0
11H-Benzo[b]fluorene	20.02	2.7	ng/ul	1245050	5	21.19	9310730	20.0
Benzo[b]naphtho[2...	20.83	2.8	ng/ul	1293900	5	21.19	9310730	20.0
Cyclopenta(cd)pyr...	20.87	2.1	ng/ul	962930	5	21.19	9310730	20.0
unknown-01	20.92	2.7	ng/ul	1255230	5	21.19	9310730	20.0
11H-Benzo[a]carba...	21.50	2.0	ng/ul	948505	5	21.19	9310730	20.0
Chrysene, 1-methyl-	21.73	2.2	ng/ul	1040920	5	21.19	9310730	20.0
unknown-02	22.49	6.8	ng/ul	485934	6	23.39	1426340	20.0
Dinaphtho[1,2-b:1...	23.03	5.5	ng/ul	390956	6	23.39	1426340	20.0
3,4-Dibromobenzal...	24.23	5.3	ng/ul	375179	6	23.39	1426340	20.0
1,2:7,8-Dibenzoph...	25.84	8.7	ng/ul	622222	6	23.39	1426340	20.0