LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

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_G\METHODS\SOM02.2-EPA-BG080416.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	3.178	53	58	64	rBV	39491	60435	1.80%	0.137%
2	3.266	69	73	78	rVB7	16578	27951	0.83%	0.063%
3	3.425	99	100	105	rVB4	6223	7115	0.21%	0.016%
4	3.483	107	110	116	rVB3	14730	24725	0.74%	0.056%
5	3.795	160	163	165	rBV4	4556	5810	0.17%	0.013%
6	3.924	182	185	186	rBV3	8793	8509	0.25%	0.019%
7	4.012	196	200	205	rBV3	54174	80961	2.41%	0.183%
8	4.088	210	213	217	rBV5	9292	8798	0.26%	0.020%
9	4.400	262	266	268	rBV4	3880	5619	0.17%	0.013%
10	4.506	282	284	286	rBV3	5028	5914	0.18%	0.013%
11	4.564	293	294	299	rVB4	3947	4749	0.14%	0.011%
12	4.605	299	301	304	rBV4	4905	5046	0.15%	0.011%
13	4.652	307	309	311	rBV3	5084	4741	0.14%	0.011%
14	5.181	391	399	404	rBV2	32195	56176	1.67%	0.127%
15	5.263	407	413	415	rBV4	8814	13607	0.40%	0.031%
16	5.522	452	457	460	rBV7	4969	7447	0.22%	0.017%
17	5.992	533	537	538	rBV3	5661	6188	0.18%	0.014%
18	7.267	747	754	767	rBV	348820	644082	19.16%	1.456%
19	7.425	775	781	791	rVB	286079	472553	14.06%	1.068%
20	7.637	810	817	828	rBV	335396	613354	18.25%	1.387%
21	7.848	849	853	856	rVB6	3957	5693	0.17%	0.013%
22	8.112	890	898	907	rVB	466813	812122	24.16%	1.836%
23	8.330	928	935	937	rVB4	4748	8390	0.25%	0.019%
24	8.829	1013	1020	1030	rBV2	397388	755810	22.48%	1.709%
25	9.287	1089	1098	1110	rBV	348500	647822	19.27%	1.465%
26	9.405	1113	1118	1120	rVV5	8216	13402	0.40%	0.030%
27	9.434	1120	1123	1129	rVB6	7681	11854	0.35%	0.027%
28	10.022	1216	1223	1233	rBV	313922	581435	17.30%	1.315%
29	10.462	1296	1298	1302	rBV4	3973	5133	0.15%	0.012%
30	10.574	1309	1317	1326	rBV	410535	818385	24.34%	1.850%
31	10.950	1372	1381	1388	rBV	662652	1221247	36.33%	2.761%
32	11.085	1397	1404	1419	rBV	254398	547112	16.27%	1.237%
33	11.296	1437	1440	1444	rBV4	3275	4830	0.14%	0.011%
34	11.749	1510	1517	1518	rBV6	6645	10653	0.32%	0.024%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	12.536	1647	1651	1656	rVB4	8824	14100	0.42%	0.032%
36	12.612	1659	1664	1670	rVB4	28188	47325	1.41%	0.107%
37	12.830	1696	1701	1706	rVB2	38451	62615	1.86%	0.142%
38	13.129	1747	1752	1755	rVB6	8038	14627	0.44%	0.033%
39	13.217	1764	1767	1770	rBV4	5247	7828	0.23%	0.018%
40	13.288	1775	1779	1782	rVV6	5096	7385	0.22%	0.017%
41	13.370	1791	1793	1797	rVB4	8411	8766	0.26%	0.020%
42	13.435	1799	1804	1806	rBV5	6860	8904	0.26%	0.020%
43	13.646	1838	1840	1845	rVB3	16552	23477	0.70%	0.053%
44	13.946	1884	1891	1893	rBV7	31361	56395	1.68%	0.127%
45	14.010	1899	1902	1905	rBV4	5054	7431	0.22%	0.017%
46	14.098	1912	1917	1922	rBV3	66748	113737	3.38%	0.257%
47	14.175	1922	1930	1935	rVV	812242	1280513	38.09%	2.895%
48	14.222	1935	1938	1945	rVB	438690	650509	19.35%	1.471%
49	14.275	1945	1947	1950	rVB4	7555	7235	0.22%	0.016%
50	14.339	1954	1958	1961	rBV	34776	50263	1.50%	0.114%
51	14.474	1974	1981	1996	rBV	863435	1600036	47.60%	3.617%
52	14.651	2006	2011	2014	rBV2	26513	34055	1.01%	0.077%
53	14.786	2025	2034	2041	rBV2	970656	1629589	48.47%	3.684%
54	14.850	2041	2045	2051	rVB3	44612	75678	2.25%	0.171%
55	14.897	2051	2053	2054	rBV2	8481	5756	0.17%	0.013%
56	15.009	2062	2072	2080	rBV2	231544	536650	15.96%	1.213%
57	15.179	2098	2101	2108	rVB4	66467	115170	3.43%	0.260%
58	15.256	2109	2114	2121	rVB4	57851	93604	2.78%	0.212%
59	15.397	2132	2138	2143	rBV3	46765	94494	2.81%	0.214%
60	15.450	2143	2147	2151	rVV3	36135	48750	1.45%	0.110%
61	15.567	2159	2167	2170	rBV6	39272	98400	2.93%	0.222%
62	15.602	2170	2173	2177	rVB2	84833	107170	3.19%	0.242%
63	15.661	2179	2183	2187	rBV2	23069	34697	1.03%	0.078%
64	15.708	2187	2191	2192	rBV4	12657	13877	0.41%	0.031%
65	15.779	2197	2203	2209	rVV	1141324	1774626	52.79%	4.012%
66	15.831	2209	2212	2220	rVB2	83510	158759	4.72%	0.359%
67	15.914	2221	2226	2232	rBV2	296977	461457	13.73%	1.043%
68	16.278	2285	2288	2296	rVB4	38722	72202	2.15%	0.163%
69	16.472	2317	2321	2324	rBV2	79379	105485	3.14%	0.238%
70	16.895	2390	2393	2398	rBV4	37867	57253	1.70%	0.129%
71	17.200	2441	2445	2452	rVB4	93010	162114	4.82%	0.367%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	17.271	2453	2457	2462	rVV5	81248	108550	3.23%	0.245%
73	17.365	2470	2473	2478	rVB	103836	143830	4.28%	0.325%
74	17.418	2478	2482	2486	rBV2	110844	148272	4.41%	0.335%
75	17.482	2490	2493	2498	rVB5	52985	72370	2.15%	0.164%
76	17.553	2499	2505	2508	rBV2	1061548	1725689	51.33%	3.901%
77	17.594	2508	2512	2517	rVB	1214434	1764614	52.49%	3.989%
78	17.653	2517	2522	2527	rBV	1084694	1637286	48.70%	3.702%
79	17.958	2572	2574	2581	rVB2	51697	71177	2.12%	0.161%
80	18.134	2600	2604	2613	rVB	162613	274971	8.18%	0.622%
81	18.287	2625	2630	2638	rBV3	91536	219424	6.53%	0.496%
82	18.363	2640	2643	2648	rVV5	100014	144993	4.31%	0.328%
83	18.428	2649	2654	2658	rVV2	813791	1374209	40.88%	3.107%
84	18.481	2658	2663	2670	rVB	640021	1008184	29.99%	2.279%
85	18.622	2681	2687	2691	rBV3	497296	953935	28.38%	2.157%
86	18.663	2691	2694	2699	rVB	379189	507844	15.11%	1.148%
87	18.921	2734	2738	2742	rBV	230069	337917	10.05%	0.764%
88	18.974	2743	2747	2756	rVB2	367874	569505	16.94%	1.288%
89	19.221	2785	2789	2792	rBV	268632	317283	9.44%	0.717%
90	19.256	2792	2795	2801	rVB	193991	267750	7.96%	0.605%
91	19.344	2805	2810	2814	rBV	608909	950906	28.29%	2.150%
92	19.485	2829	2834	2840	rBV5	247140	566227	16.84%	1.280%
93	19.609	2850	2855	2860	rVB	1770639	2560668	76.17%	5.789%
94	19.944	2907	2912	2914	rBV2	1461044	2137553	63.58%	4.833%
95	19.973	2914	2917	2924	rVB	2050511	2987995	88.88%	6.755%
96	20.038	2924	2928	2934	rVB	351484	511132	15.20%	1.156%
97	20.625	3025	3028	3031	rVB	440344	522075	15.53%	1.180%
98	20.760	3048	3051	3056	rBV	388517	527174	15.68%	1.192%
99	21.870	3233	3240	3245	rBV2	1409257	3361747	100.00%	7.600%
100	21.923	3246	3249	3256	rVB	869463	1309994	38.97%	2.962%

Sum of corrected areas: 44231874

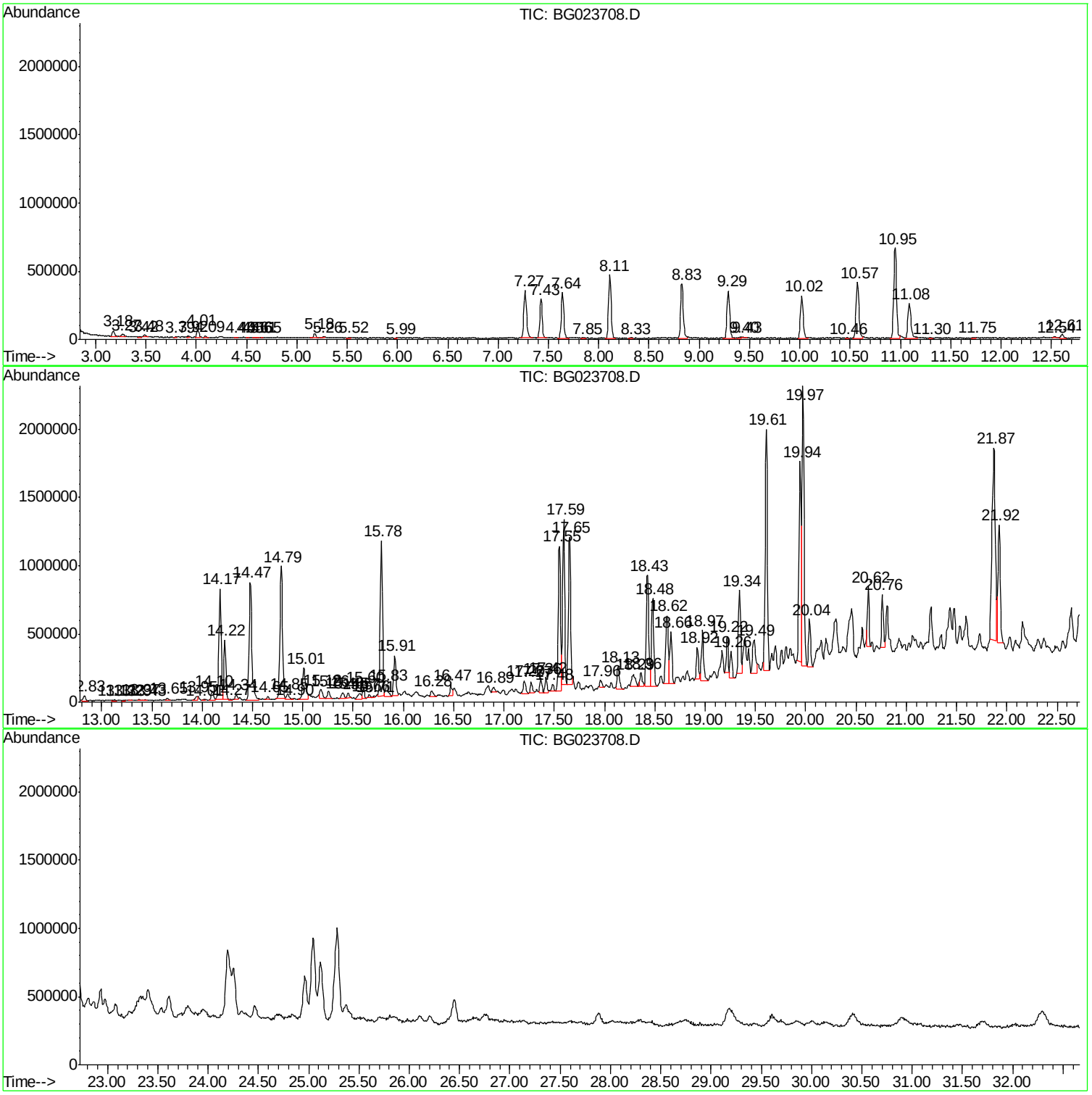
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

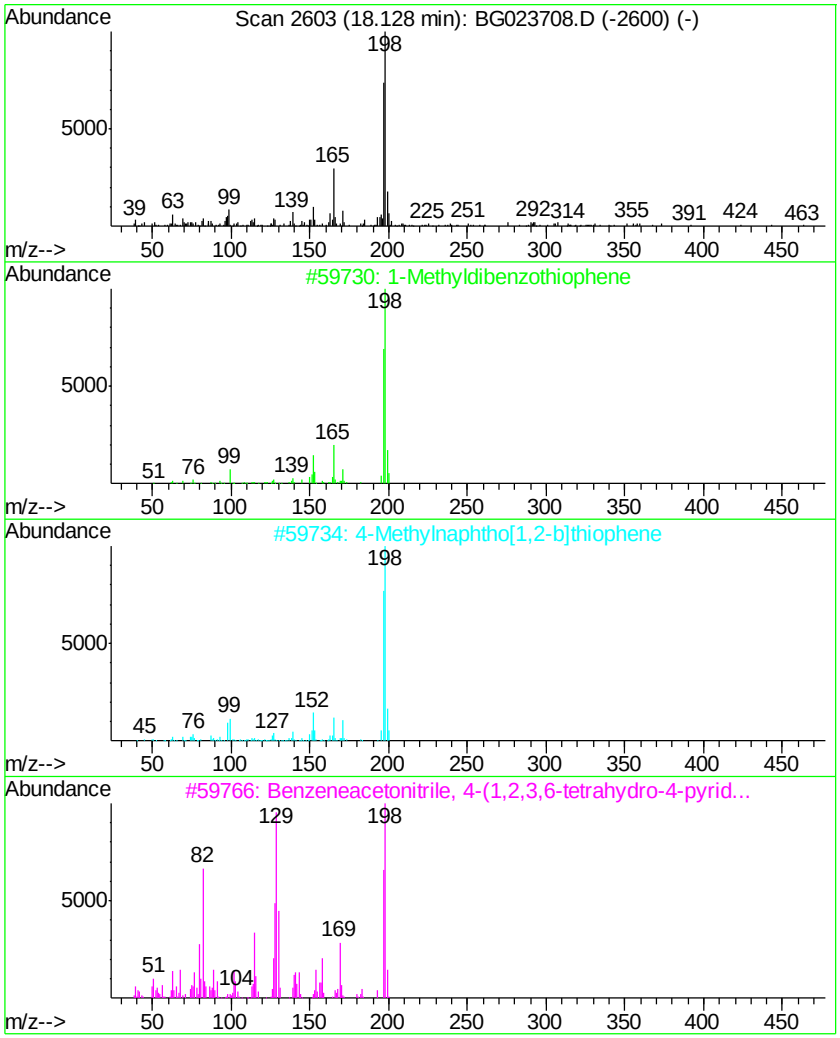
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

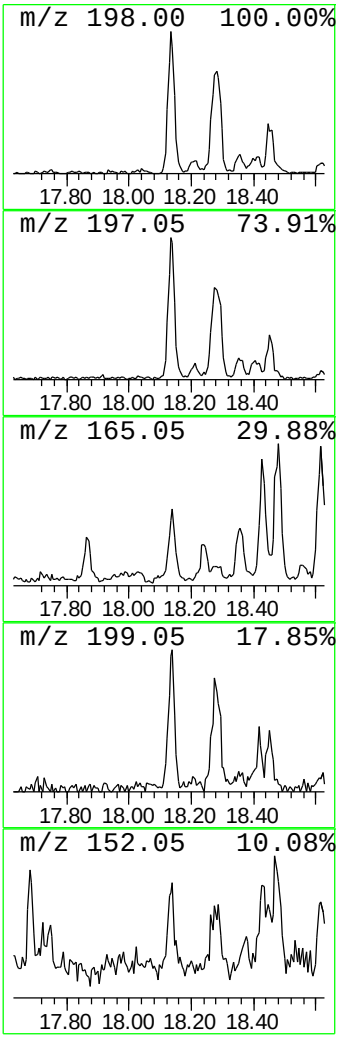
****

Peak Number 1 1-Methyldibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.19 ng/ul	274971	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80
3	Benzeneacetonitrile, 4-(1,2,3,6-...	198	C13H14N2	1000115-51-2	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

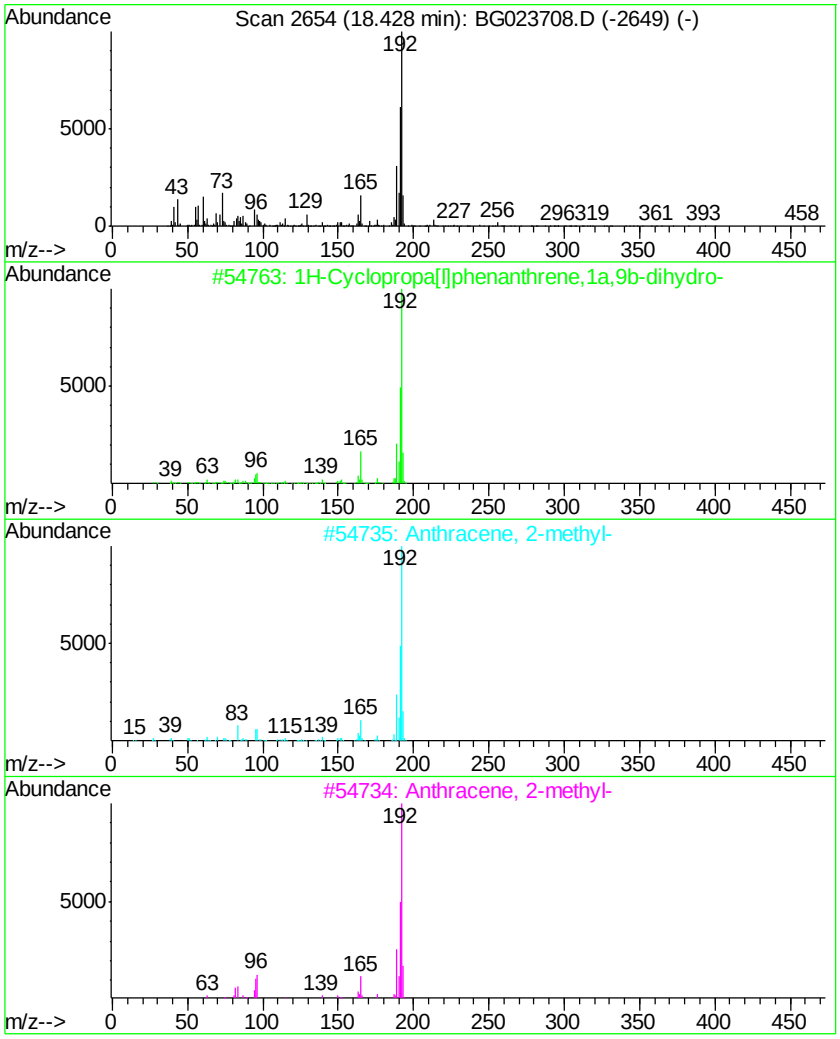
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

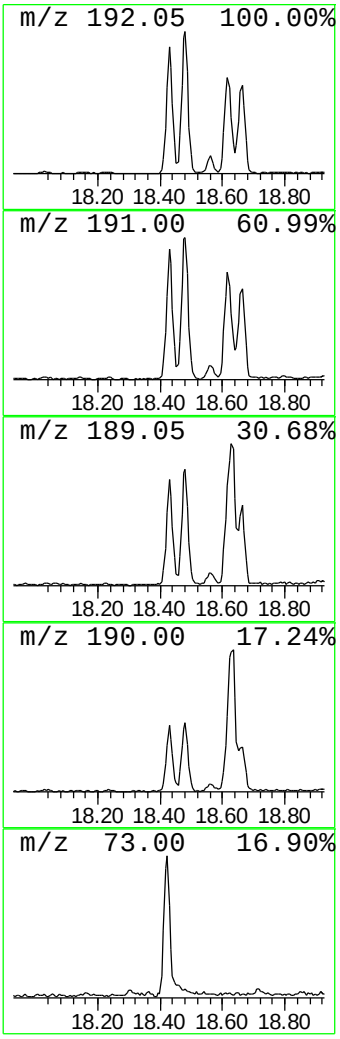
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	15.93 ng/ul	1374210	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

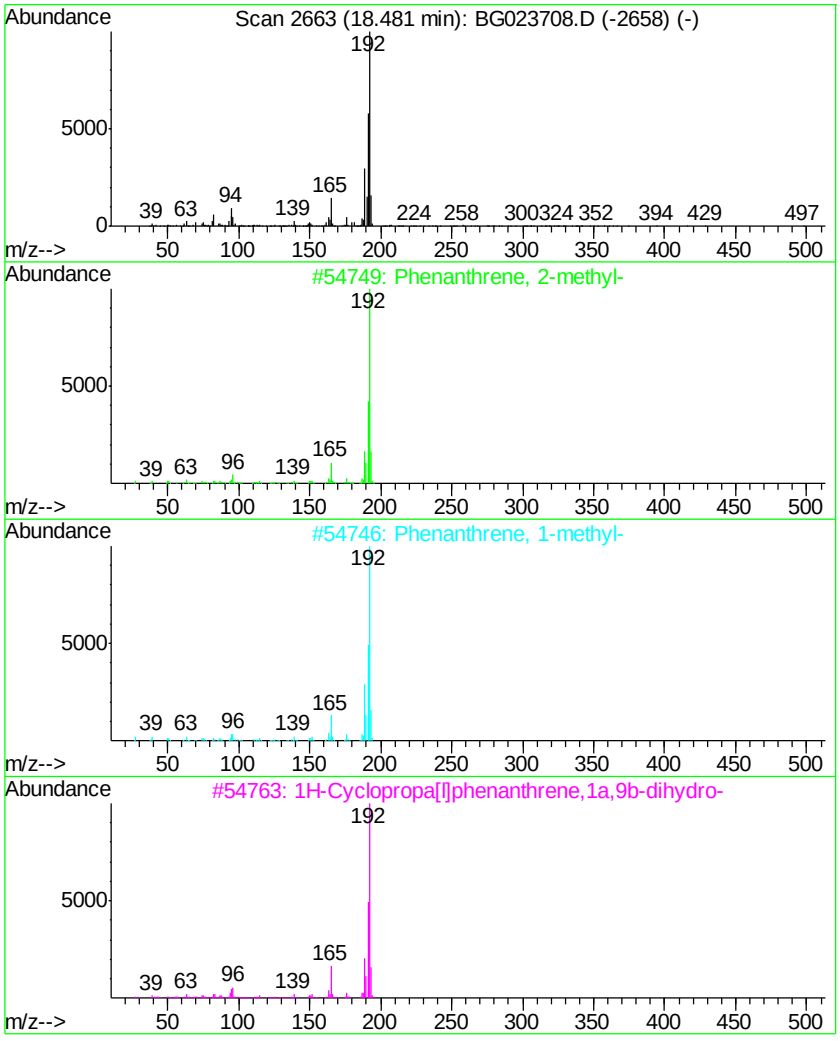
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

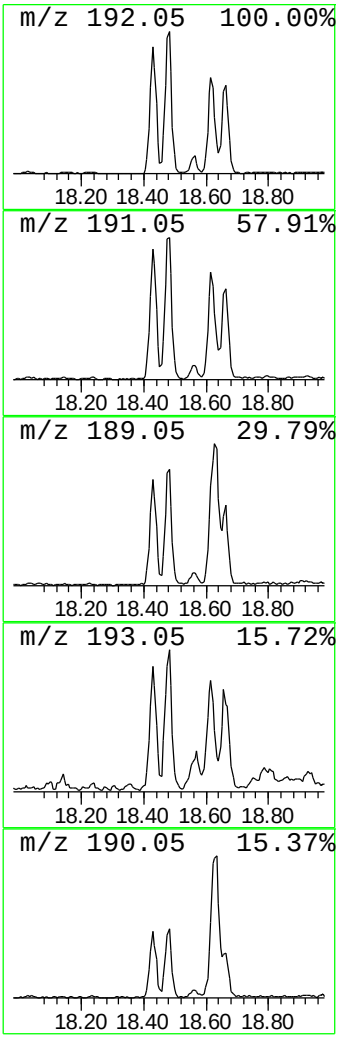
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	11.68 ng/ul	1008180	Phenanthrene-d10	17.55

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

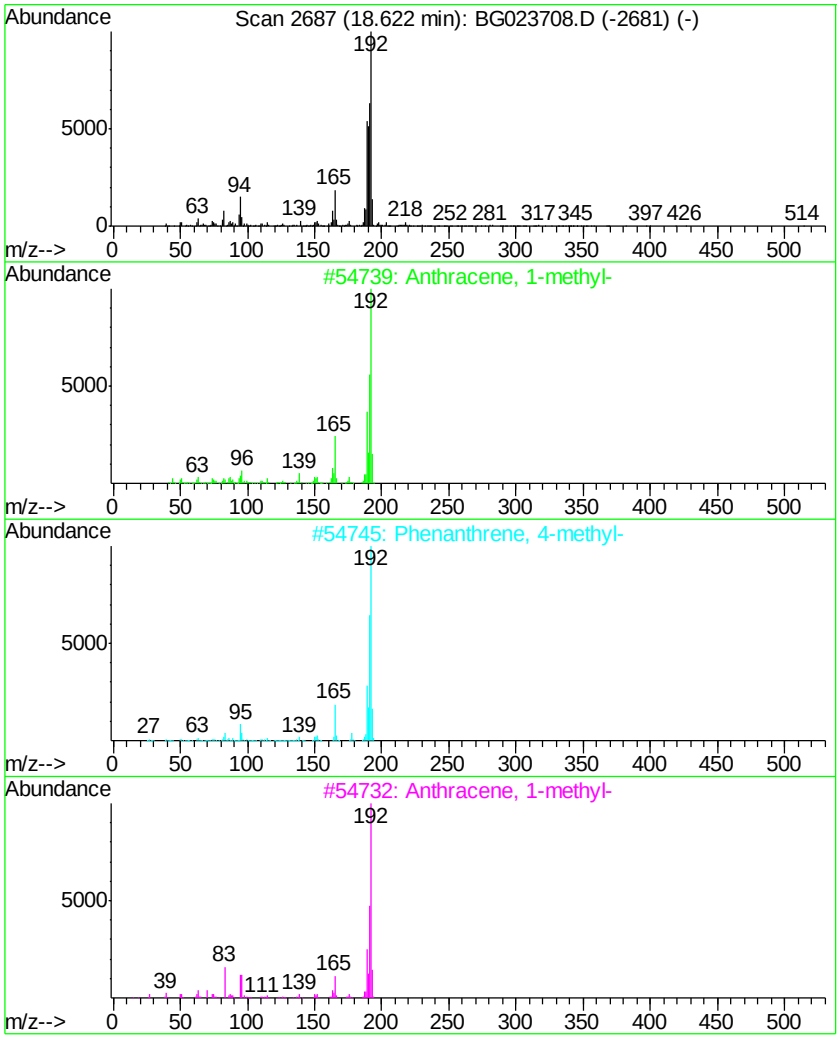
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

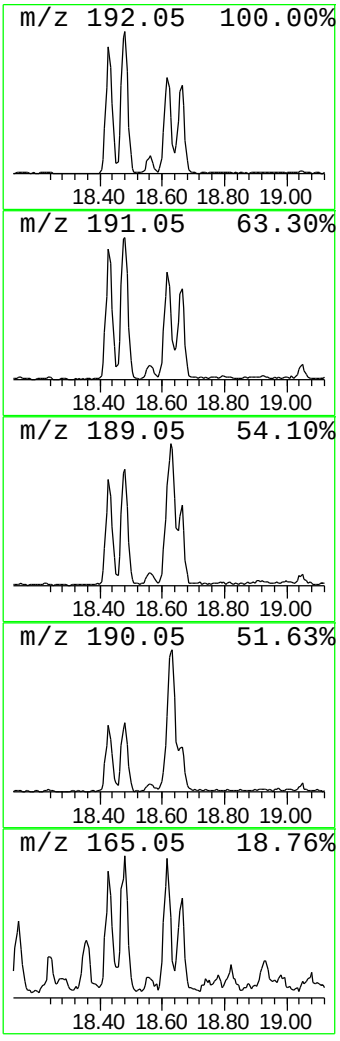
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	11.06 ng/ul	953935	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	55
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

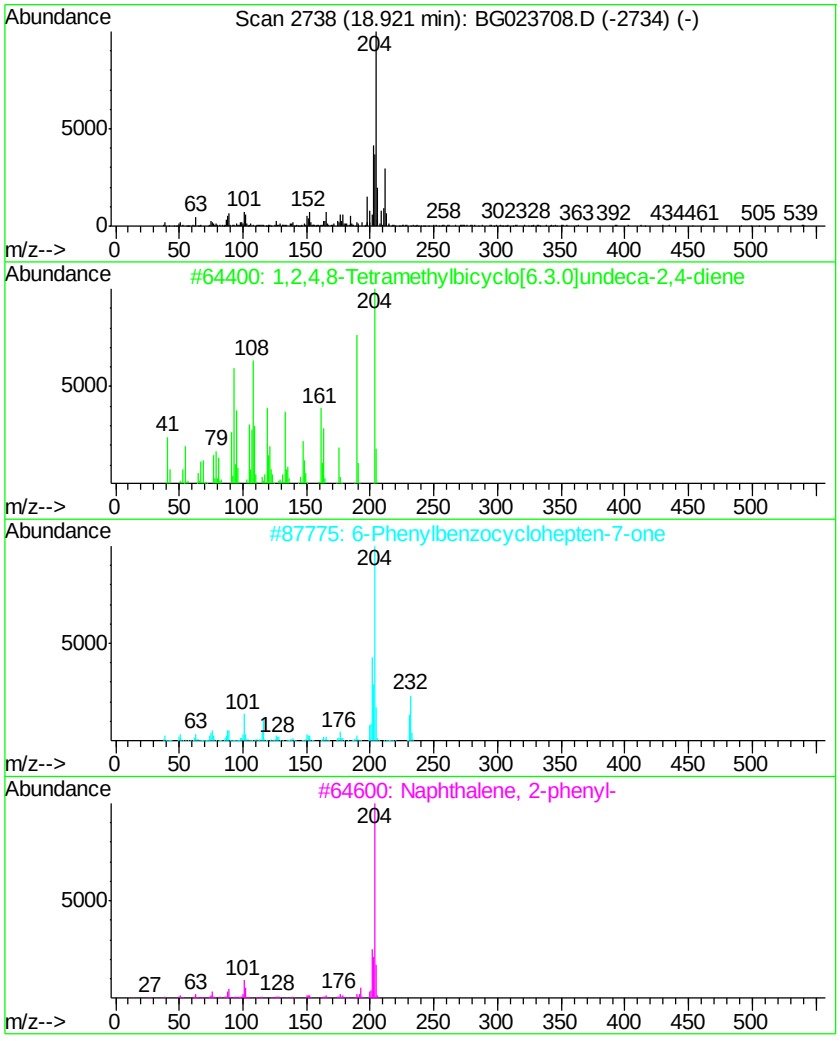
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

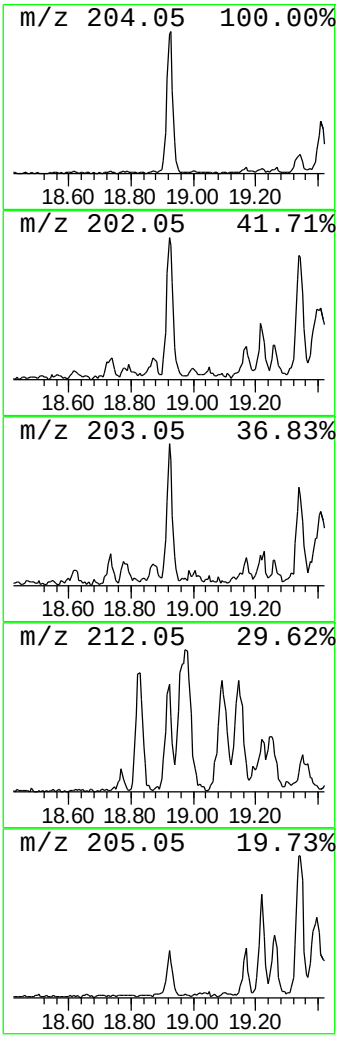
****

Peak Number 7 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	3.92 ng/ul	337917	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

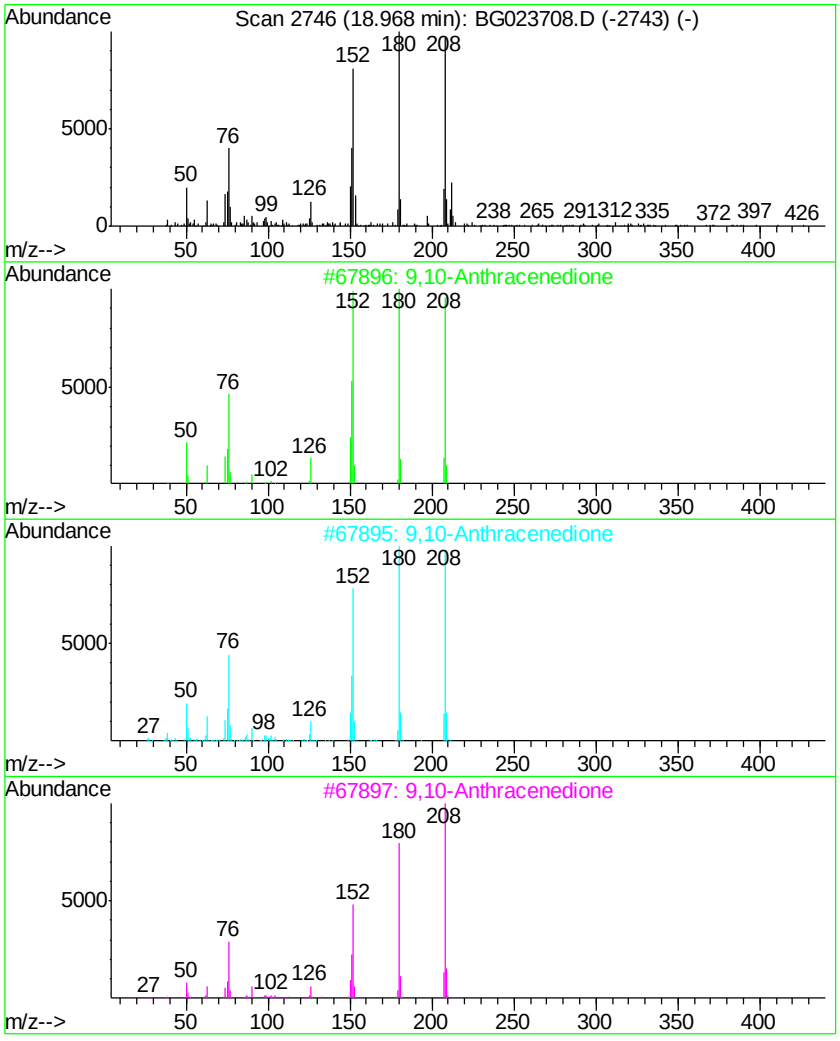
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

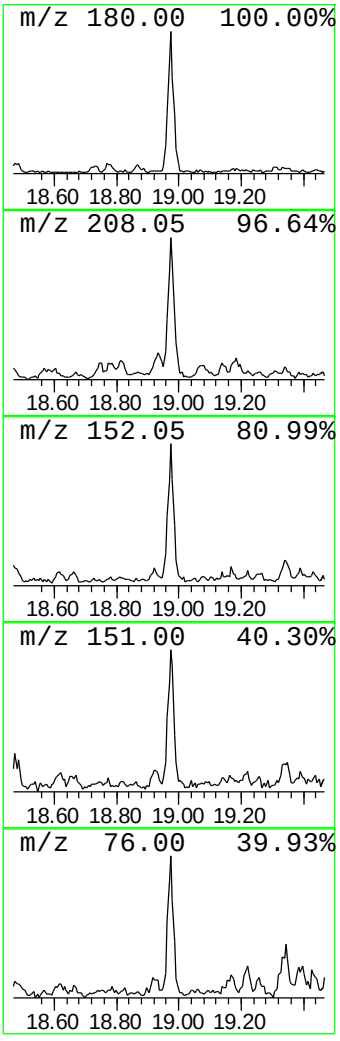
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	6.60 ng/ul	569505	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

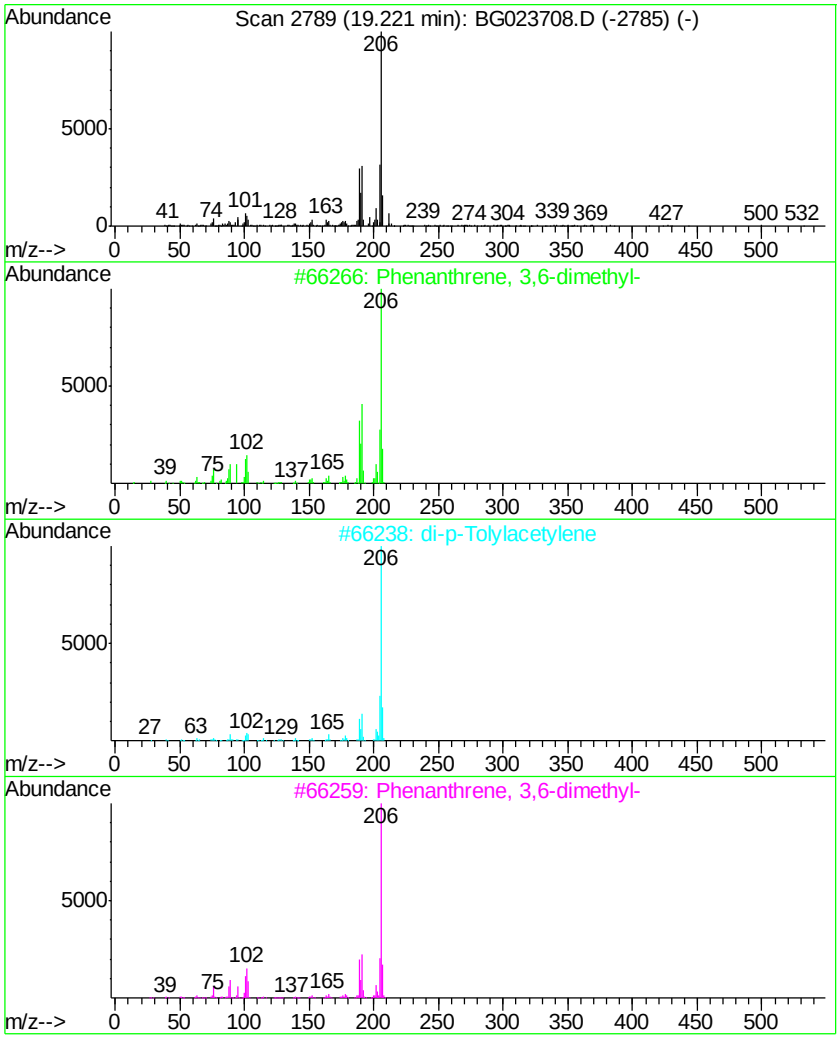
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

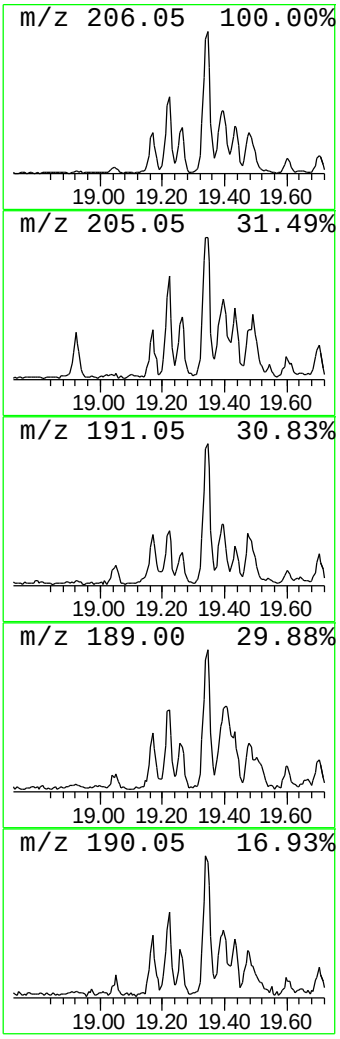
****

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.68 ng/ul	317283	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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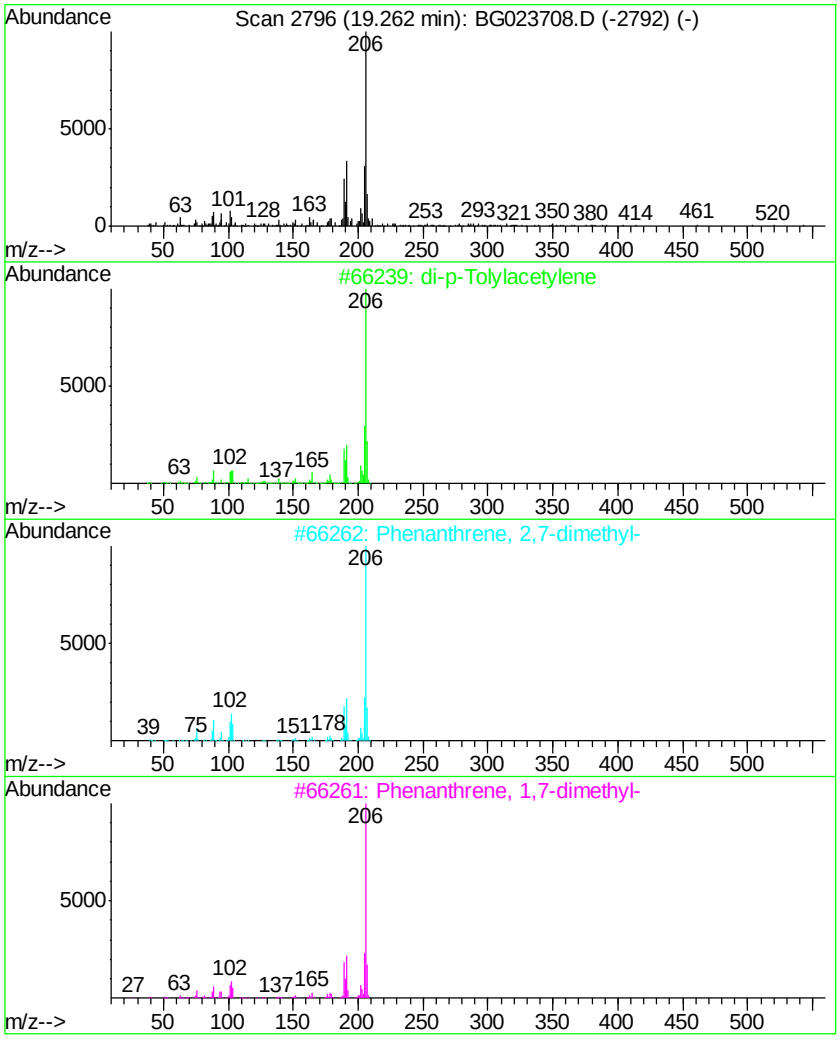
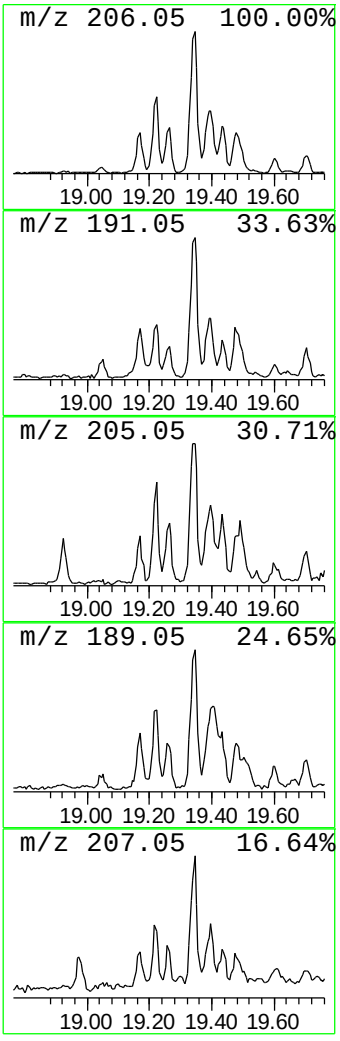
Peak Number 10 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	3.10 ng/ul	267750	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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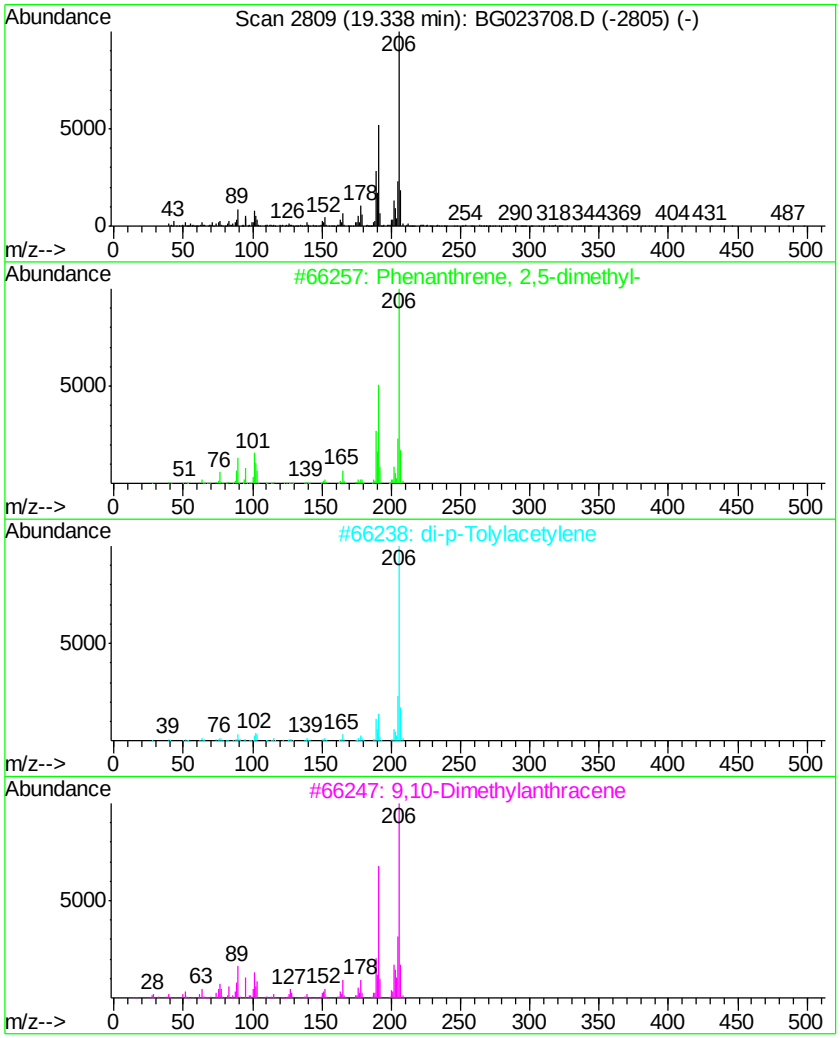
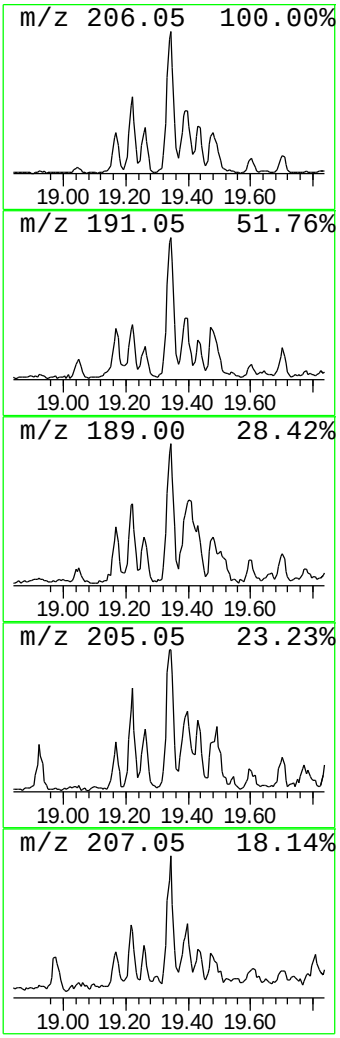
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	11.02 ng/ul	950906	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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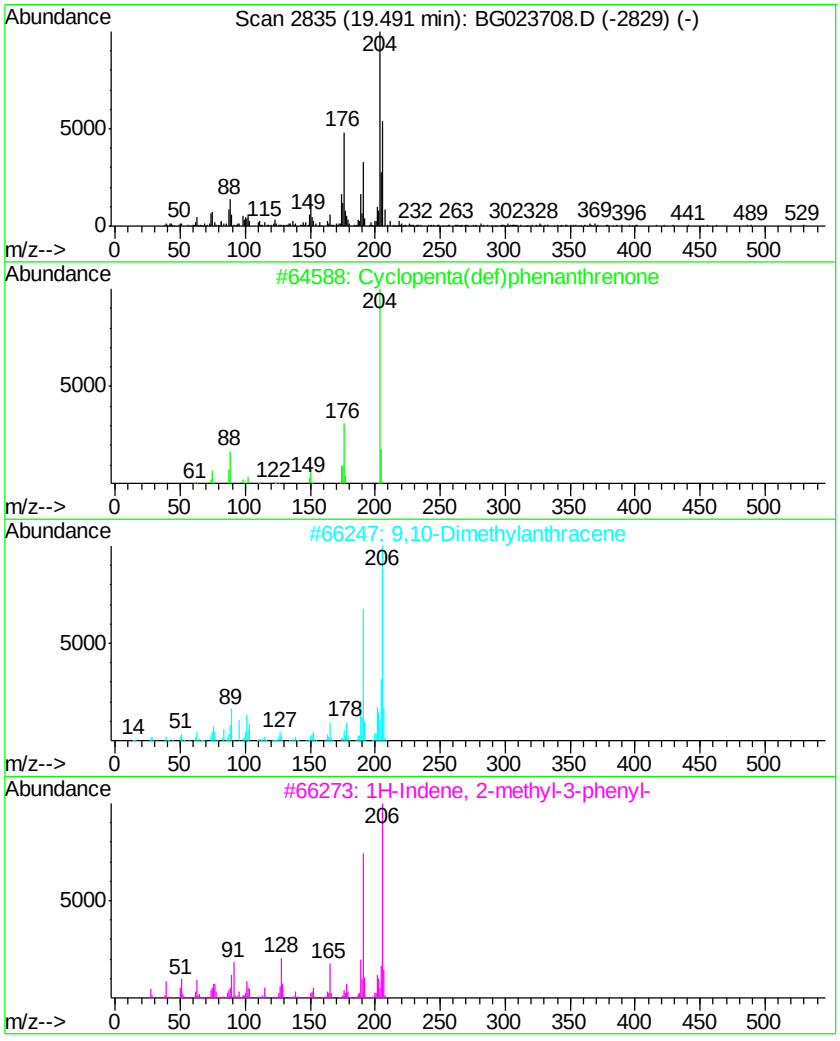
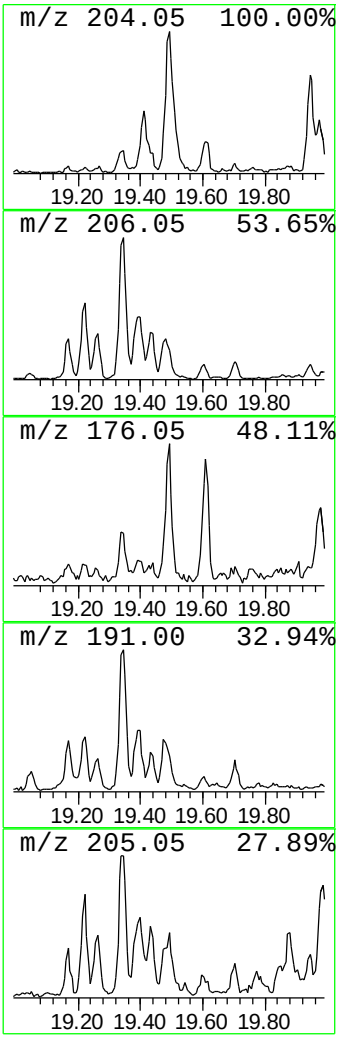
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	6.56 ng/ul	566227	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	45
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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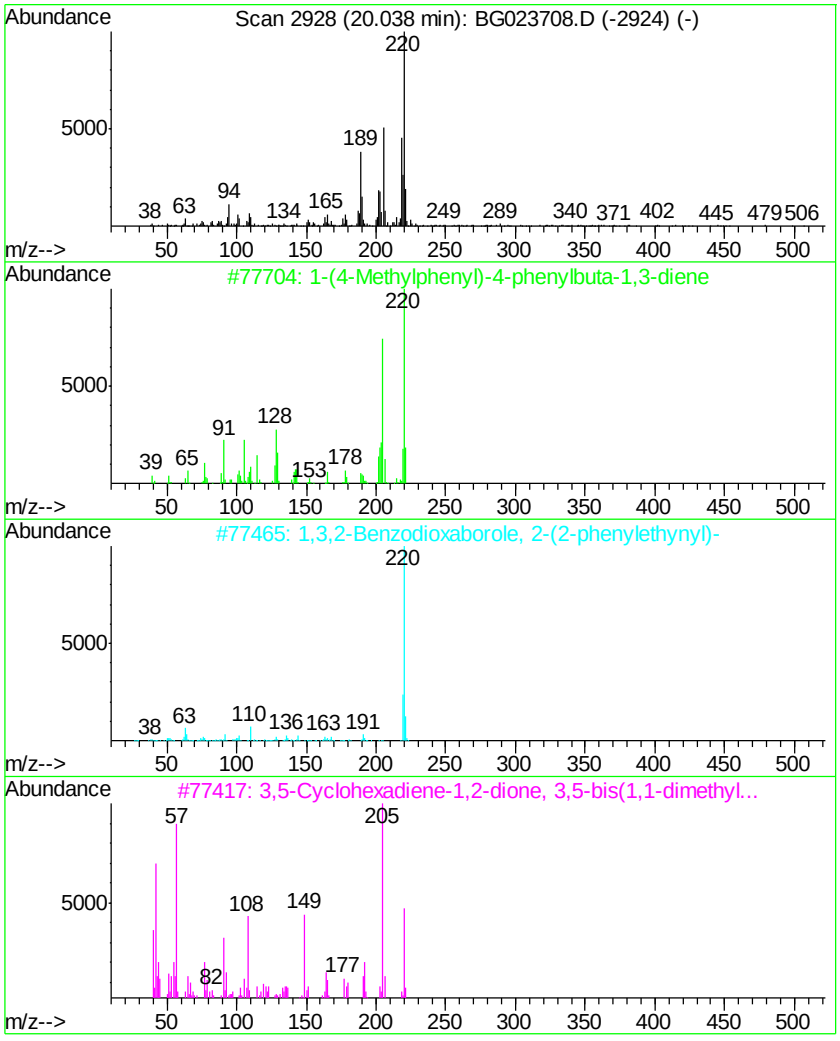
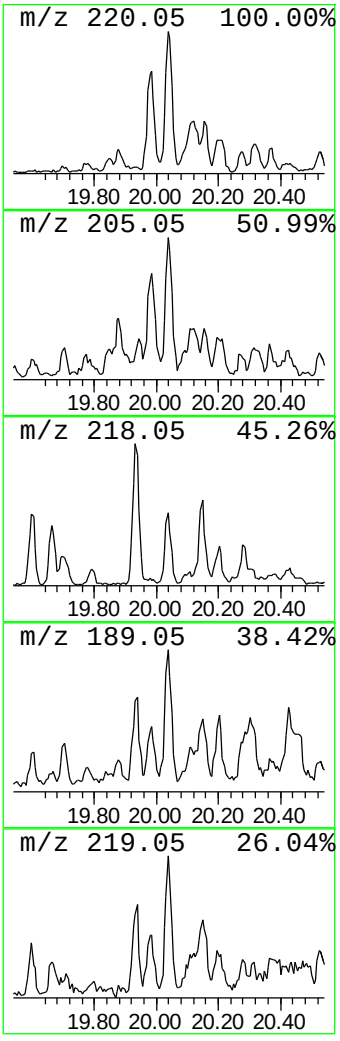
Peak Number 13 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	3.04 ng/ul	511132	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	47
2	1,3,2-Benzodioxaborole, 2-(2-phe...	220	C14H9BO2	058347-22-1	42
3	3,5-Cyclohexadiene-1,2-dione, 3,...	220	C14H20O2	003383-21-9	38
4	Xylazine	220	C12H16N2S	007361-61-7	38
5	Naphthalene, 1-phenoxy-	220	C16H12O	003402-76-4	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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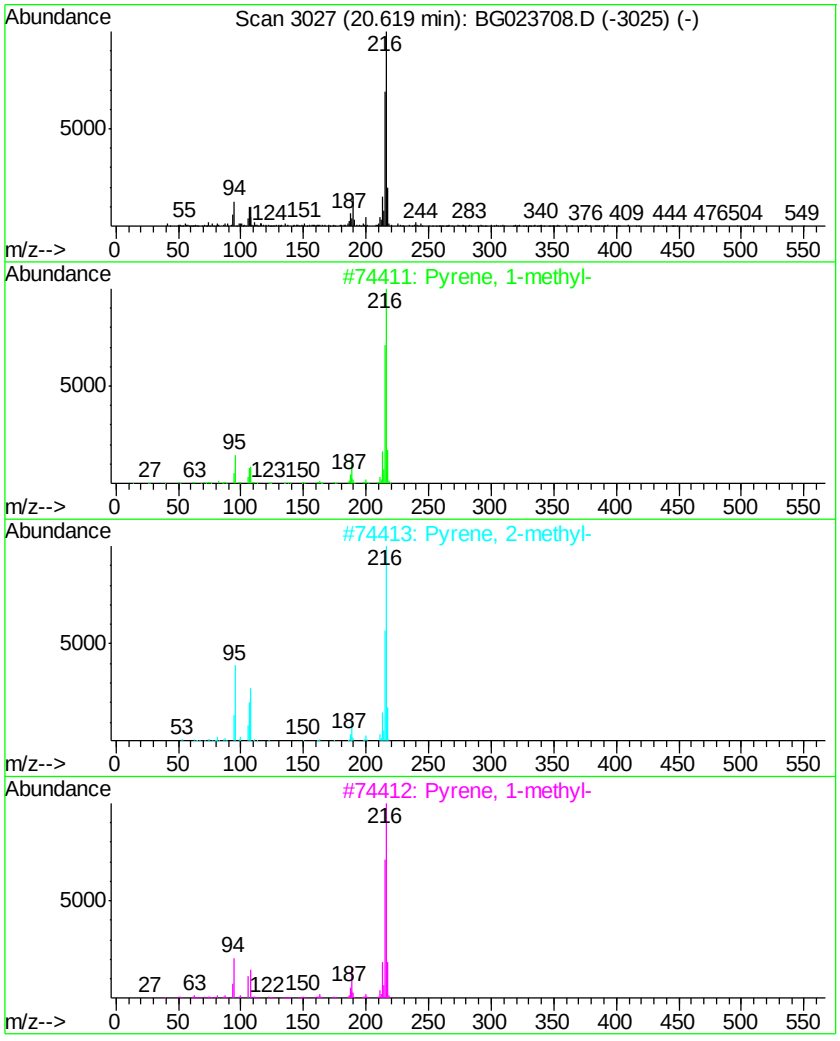
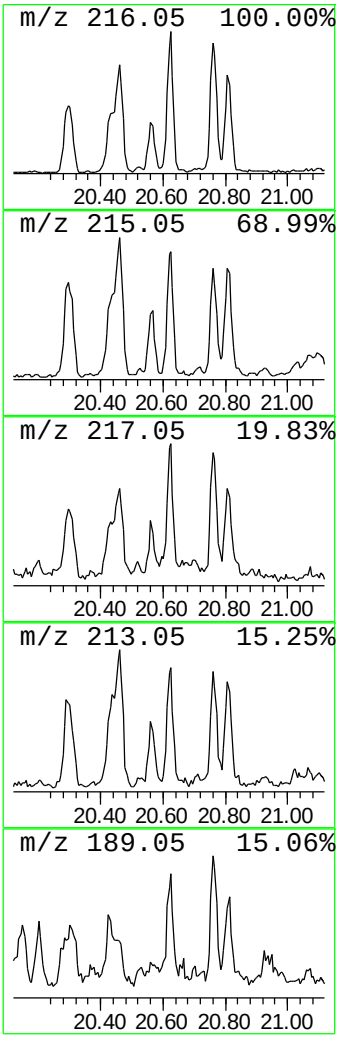
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	3.11 ng/ul	522075	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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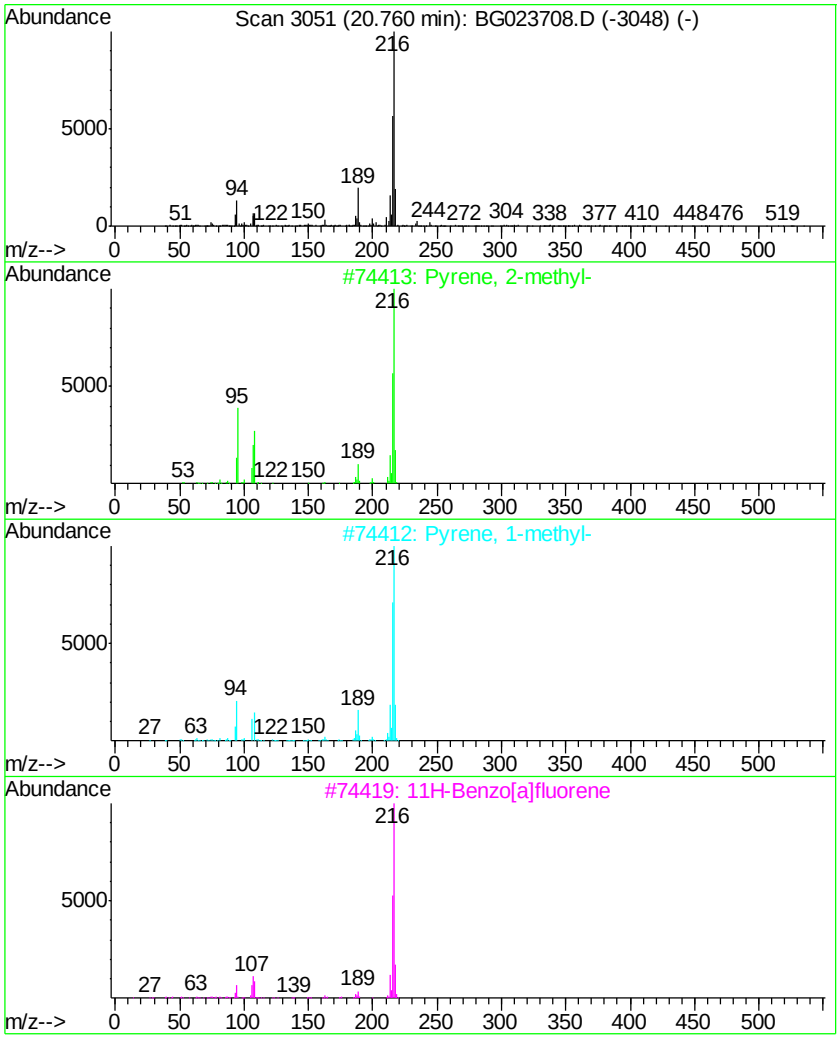
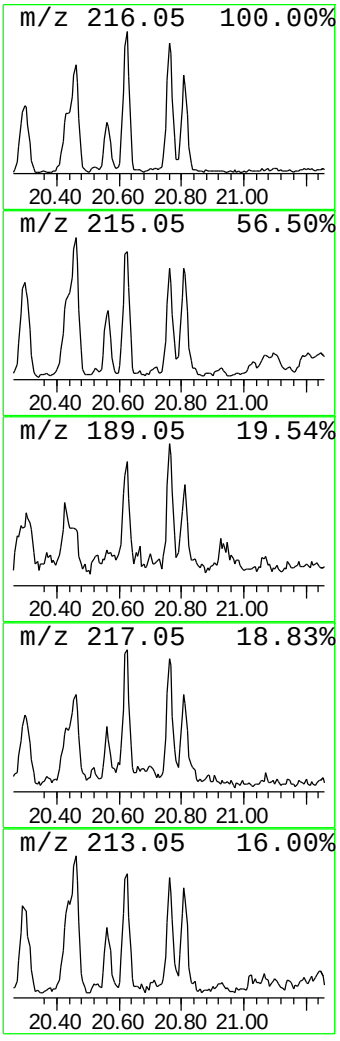
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.14 ng/ul	527174	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023708.D
Acq On : 14 Aug 2016 3:56
Operator : UM/SJ
Sample : H4388-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0206-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Methyldibenzoth...	18.13	3.2	ng/ul	274971	4	17.55	1725690	20.0
1H-Cyclopropa[l]p...	18.43	15.9	ng/ul	1374210	4	17.55	1725690	20.0
Phenanthrene, 2-m...	18.48	11.7	ng/ul	1008180	4	17.55	1725690	20.0
Anthracene, 1-met...	18.62	11.1	ng/ul	953935	4	17.55	1725690	20.0
1,2,4,8-Tetrameth...	18.92	3.9	ng/ul	337917	4	17.55	1725690	20.0
9,10-Anthracenedione	18.97	6.6	ng/ul	569505	4	17.55	1725690	20.0
Phenanthrene, 3,6...	19.22	3.7	ng/ul	317283	4	17.55	1725690	20.0
di-p-Tolylacetylene	19.26	3.1	ng/ul	267750	4	17.55	1725690	20.0
Phenanthrene, 2,5...	19.34	11.0	ng/ul	950906	4	17.55	1725690	20.0
Cyclopenta(def)ph...	19.49	6.6	ng/ul	566227	4	17.55	1725690	20.0
unknown-01	20.04	3.0	ng/ul	511132	5	21.88	3361750	20.0
Pyrene, 1-methyl-	20.62	3.1	ng/ul	522075	5	21.88	3361750	20.0
Pyrene, 2-methyl-	20.76	3.1	ng/ul	527174	5	21.88	3361750	20.0