LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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	3.175	53	57	63	rBV2	24408	33196	0.93%	0.076%
2	3.258	69	71	81	rVB6	14463	25913	0.72%	0.059%
3	3.481	107	109	115	rVB3	19552	23906	0.67%	0.055%
4	3.921	183	184	188	rVB3	9511	5914	0.17%	0.013%
5	4.015	195	200	205	rBV2	31073	46812	1.31%	0.107%
6	4.162	222	225	227	rBV3	6597	8329	0.23%	0.019%
7	4.480	275	279	282	rBV4	5403	8948	0.25%	0.020%
8	4.803	331	334	338	rBV6	8022	8941	0.25%	0.020%
9	5.173	395	397	400	rBV4	6764	8895	0.25%	0.020%
10	5.607	469	471	476	rVB5	5162	8117	0.23%	0.019%
11	5.666	479	481	486	rBV5	5026	7167	0.20%	0.016%
12	5.819	506	507	511	rVB4	4713	5721	0.16%	0.013%
13	5.872	511	516	518	rBV4	4681	8047	0.23%	0.018%
14	6.171	565	567	570	rVB4	5902	5526	0.15%	0.013%
15	6.207	570	573	576	rBV4	5515	6917	0.19%	0.016%
16	6.765	663	668	672	rBV4	4960	9392	0.26%	0.021%
17	6.806	672	675	680	rVB5	3575	5956	0.17%	0.014%
18	7.164	732	736	737	rBV4	5615	6362	0.18%	0.015%
19	7.270	747	754	763	rBV	414684	725192	20.29%	1.654%
20	7.428	773	781	788	rBV	324711	543075	15.19%	1.239%
21	7.522	794	797	800	rBV5	5656	8435	0.24%	0.019%
22	7.640	810	817	825	rBV	408446	707224	19.78%	1.614%
23	7.752	831	836	837	rBV4	4702	5603	0.16%	0.013%
24	8.016	876	881	885	rBV7	4465	8158	0.23%	0.019%
25	8.116	891	898	905	rVB	419768	745701	20.86%	1.701%
26	8.827	1012	1019	1029	rBV	477877	852256	23.84%	1.944%
27	9.091	1062	1064	1067	rVB3	4620	5426	0.15%	0.012%
28	9.291	1091	1098	1107	rBV	414619	739084	20.67%	1.686%
29	9.631	1152	1156	1159	rVB4	3826	6302	0.18%	0.014%
30	9.678	1159	1164	1165	rBV4	6068	8445	0.24%	0.019%
31	10.019	1215	1222	1232	rBV	365092	654250	18.30%	1.493%
32	10.436	1291	1293	1300	rVB6	6367	9983	0.28%	0.023%
33	10.571	1307	1316	1333	rBV	496580	1006264	28.15%	2.296%
34	10.947	1373	1380	1387	rBV	633515	1152399	32.24%	2.629%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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	11.088	1398	1404	1417	rBV	301401	583804	16.33%	1.332%
36	11.746	1511	1516	1517	rBV4	5806	6439	0.18%	0.015%
37	11.911	1539	1544	1545	rBV4	4984	5697	0.16%	0.013%
38	11.952	1550	1551	1555	rVB4	7803	6442	0.18%	0.015%
39	12.246	1596	1601	1603	rBV5	4427	8360	0.23%	0.019%
40	12.527	1646	1649	1654	rVB4	12773	19153	0.54%	0.044%
41	12.604	1657	1662	1670	rVV2	30425	60522	1.69%	0.138%
42	12.680	1673	1675	1677	rVB2	6279	5559	0.16%	0.013%
43	12.827	1695	1700	1704	rBV	39504	61765	1.73%	0.141%
44	13.121	1744	1750	1755	rBV6	12666	22962	0.64%	0.052%
45	13.291	1777	1779	1783	rVB4	5395	5432	0.15%	0.012%
46	13.373	1789	1793	1798	rBV5	17233	29007	0.81%	0.066%
47	13.614	1831	1834	1837	rBV5	5587	6609	0.18%	0.015%
48	13.655	1837	1841	1846	rVB5	16835	23570	0.66%	0.054%
49	13.726	1849	1853	1855	rBV5	5190	5693	0.16%	0.013%
50	13.761	1857	1859	1863	rBV4	4766	6445	0.18%	0.015%
51	13.814	1865	1868	1869	rBV3	5532	5765	0.16%	0.013%
52	13.961	1885	1893	1901	rVB7	26616	76218	2.13%	0.174%
53	14.025	1901	1904	1910	rBV8	9223	17603	0.49%	0.040%
54	14.102	1910	1917	1923	rVV3	59427	114149	3.19%	0.260%
55	14.178	1923	1930	1935	rVV	955424	1444166	40.40%	3.295%
56	14.225	1935	1938	1944	rVB	425090	601824	16.84%	1.373%
57	14.337	1953	1957	1963	rBV5	30404	58343	1.63%	0.133%
58	14.478	1974	1981	1997	rBV	993261	1830283	51.20%	4.176%
59	14.654	2007	2011	2017	rVB7	18631	27038	0.76%	0.062%
60	14.789	2024	2034	2040	rBV2	951789	1575608	44.08%	3.595%
61	14.854	2040	2045	2050	rVB2	69506	106172	2.97%	0.242%
62	14.907	2052	2054	2060	rVB6	9113	15721	0.44%	0.036%
63	15.012	2063	2072	2084	rBV	279105	644113	18.02%	1.470%
64	15.183	2097	2101	2107	rVB3	81619	135498	3.79%	0.309%
65	15.259	2110	2114	2119	rVV2	54893	80380	2.25%	0.183%
66	15.312	2121	2123	2125	rBV3	6949	6242	0.17%	0.014%
67	15.400	2133	2138	2143	rBV4	45457	86291	2.41%	0.197%
68	15.453	2143	2147	2152	rVB2	37889	58813	1.65%	0.134%
69	15.570	2161	2167	2170	rBV5	30803	74213	2.08%	0.169%
70	15.606	2170	2173	2178	rVB4	57602	81463	2.28%	0.186%
71	15.664	2180	2183	2187	rBV2	17175	23489	0.66%	0.054%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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	15.782	2197	2203	2209	rBV	1289044	1945848	54.43%	4.439%
73	15.835	2209	2212	2221	rVB	104069	178119	4.98%	0.406%
74	15.917	2221	2226	2232	rBV	312745	507993	14.21%	1.159%
75	16.281	2285	2288	2295	rVB3	53968	101438	2.84%	0.231%
76	16.475	2317	2321	2324	rBV	66818	93654	2.62%	0.214%
77	16.898	2390	2393	2399	rVB3	38424	49517	1.39%	0.113%
78	17.203	2441	2445	2452	rVB3	73717	133295	3.73%	0.304%
79	17.274	2453	2457	2463	rBV4	79800	130214	3.64%	0.297%
80	17.368	2469	2473	2478	rVB	103984	160783	4.50%	0.367%
81	17.556	2499	2505	2508	rBV	1091254	1718396	48.07%	3.920%
82	17.597	2508	2512	2516	rVB	1229274	1748350	48.91%	3.989%
83	17.650	2516	2521	2526	rBV2	1236086	1860732	52.05%	4.245%
84	18.138	2601	2604	2612	rVB2	142644	211946	5.93%	0.484%
85	18.431	2648	2654	2658	rBV2	616104	1054049	29.49%	2.405%
86	18.478	2658	2662	2669	rVB	511198	801206	22.41%	1.828%
87	18.625	2681	2687	2691	rBV2	440895	893945	25.01%	2.039%
88	18.660	2691	2693	2699	rVB	309308	418599	11.71%	0.955%
89	18.925	2734	2738	2743	rBV	232451	349923	9.79%	0.798%
90	18.978	2744	2747	2755	rVB4	208754	335466	9.38%	0.765%
91	19.218	2785	2788	2792	rBV	196532	241502	6.76%	0.551%
92	19.342	2805	2809	2814	rBV	512402	779716	21.81%	1.779%
93	19.494	2829	2835	2839	rBV4	214005	471489	13.19%	1.076%
94	19.612	2850	2855	2860	rVB	2003718	2848237	79.68%	6.498%
95	19.947	2907	2912	2914	rBV2	1660329	2491127	69.69%	5.683%
96	19.976	2914	2917	2924	rVB	2103937	2994275	83.76%	6.831%
97	20.041	2924	2928	2934	rVB	299303	439874	12.30%	1.004%
98	20.763	3048	3051	3055	rBV	317402	380822	10.65%	0.869%
99	21.874	3233	3240	3245	rBV2	1337686	3574777	100.00%	8.156%
100	21.927	3246	3249	3260	rVB	938666	1583628	44.30%	3.613%

Sum of corrected areas: 43831627

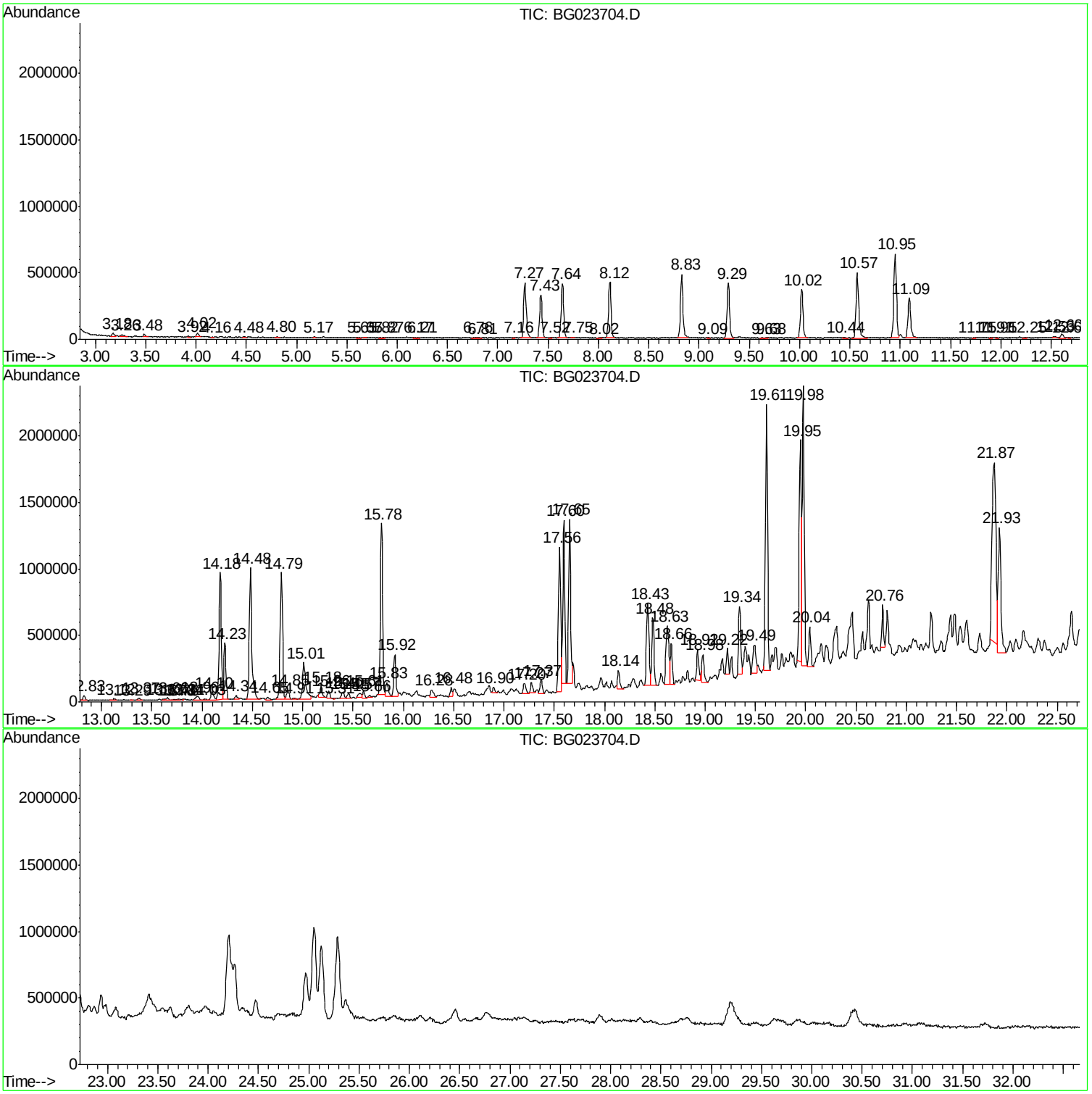
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
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Instrument : BNA_G
ClientSampleId : P002-SS002-0206-01

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

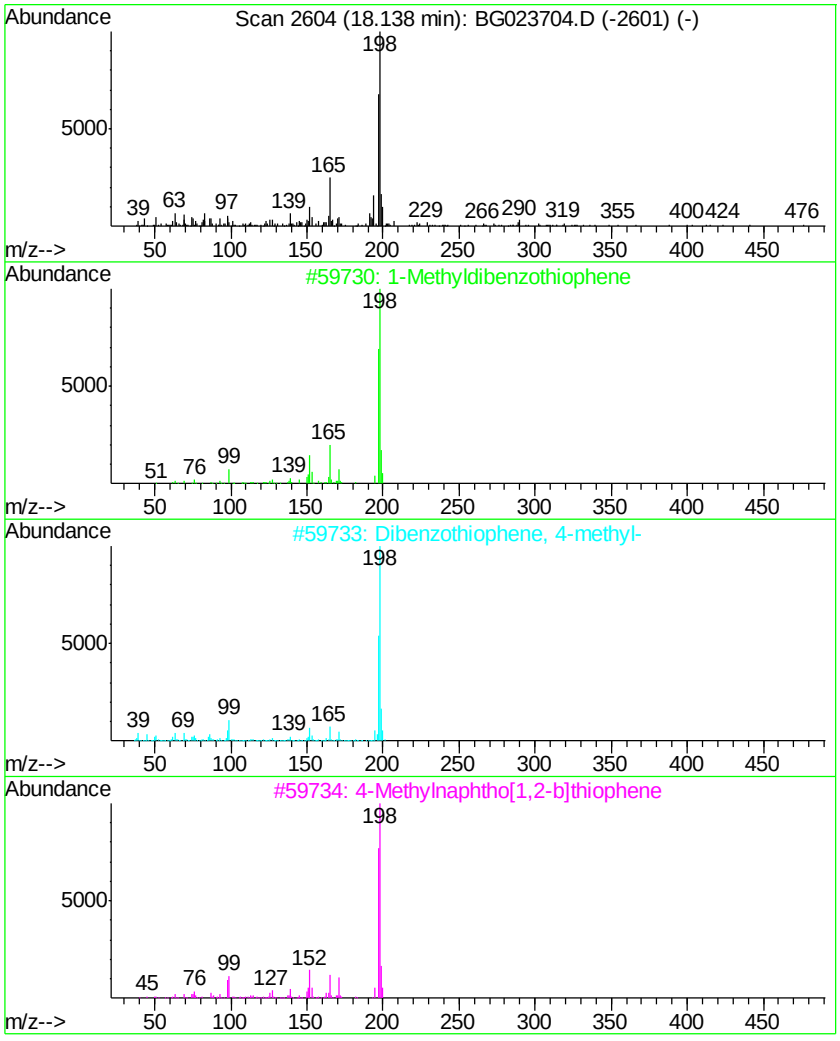
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

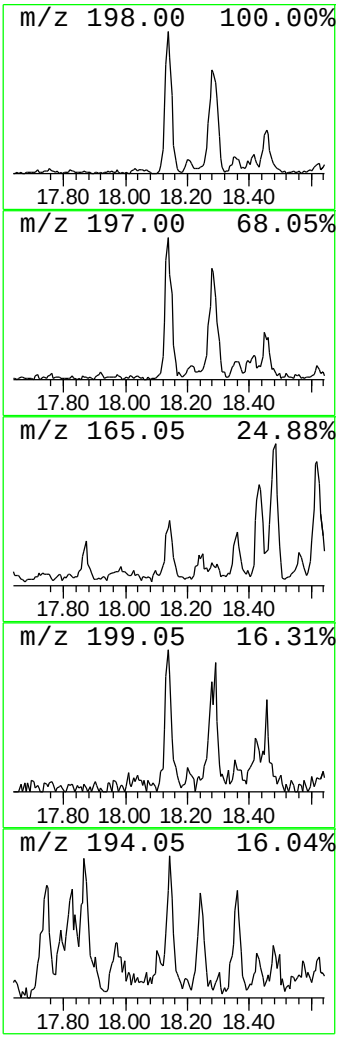
****

Peak Number 1 1-Methyldibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.47 ng/ul	211946	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	74
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0206-01

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

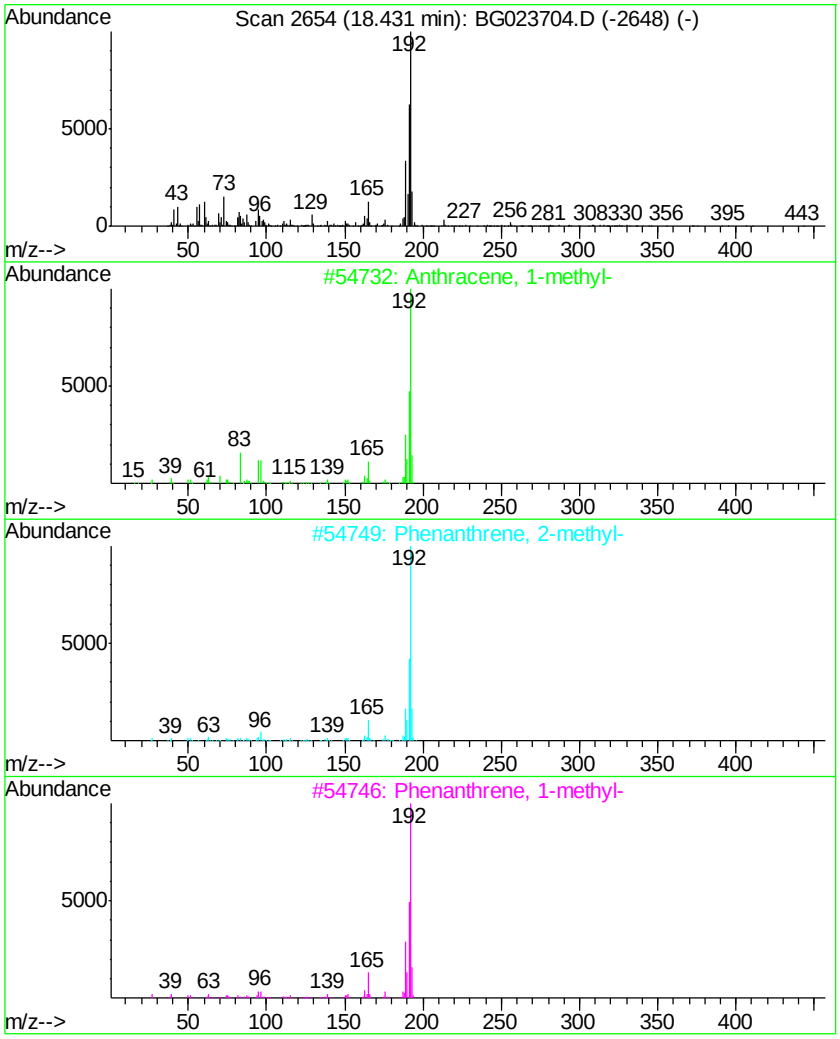
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

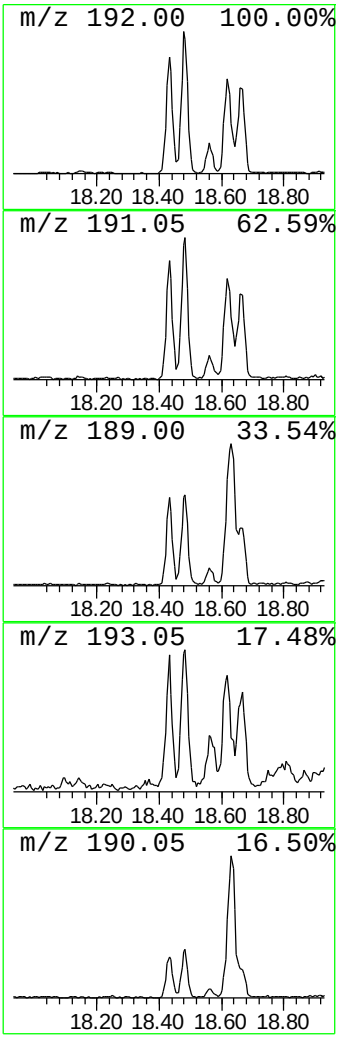
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	12.27 ng/ul	1054050	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0206-01

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

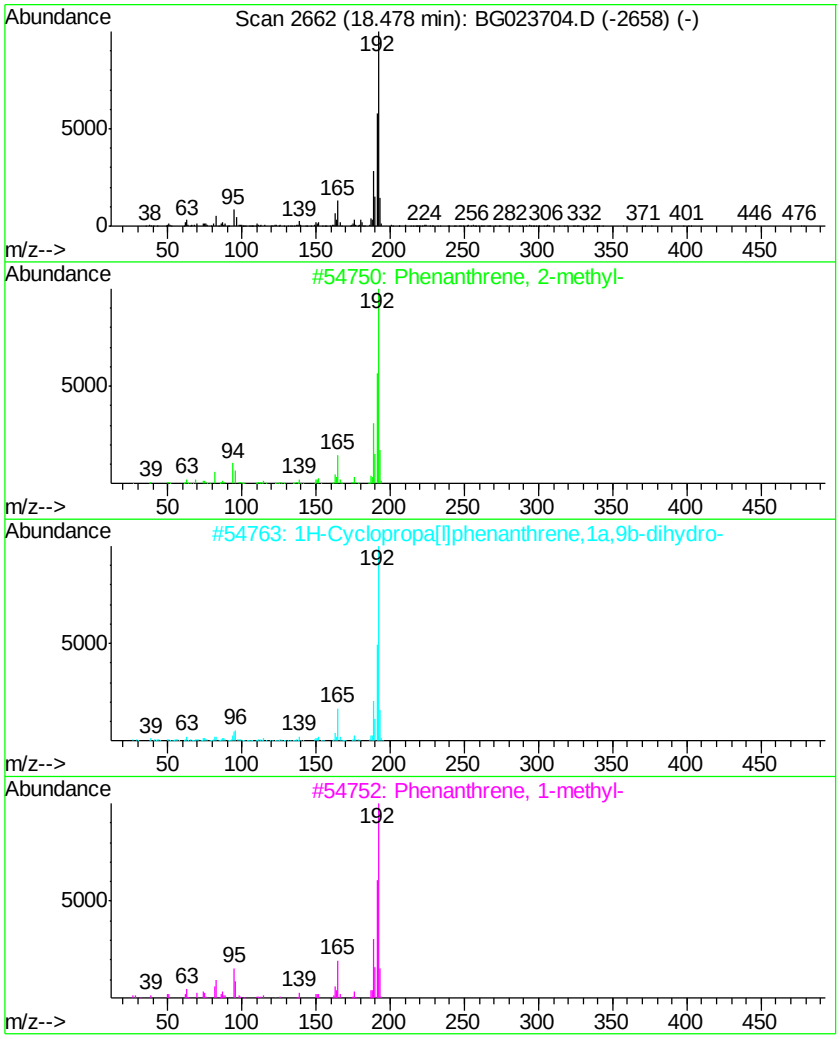
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

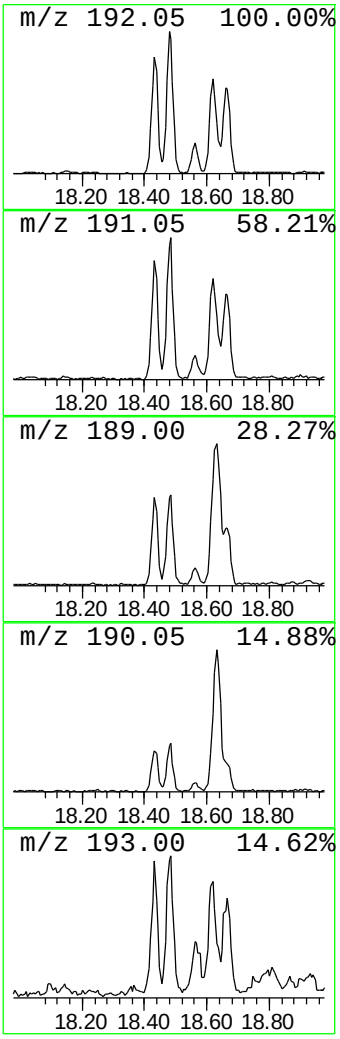
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	9.33 ng/ul	801206	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	4.87 ng/ul	418599	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
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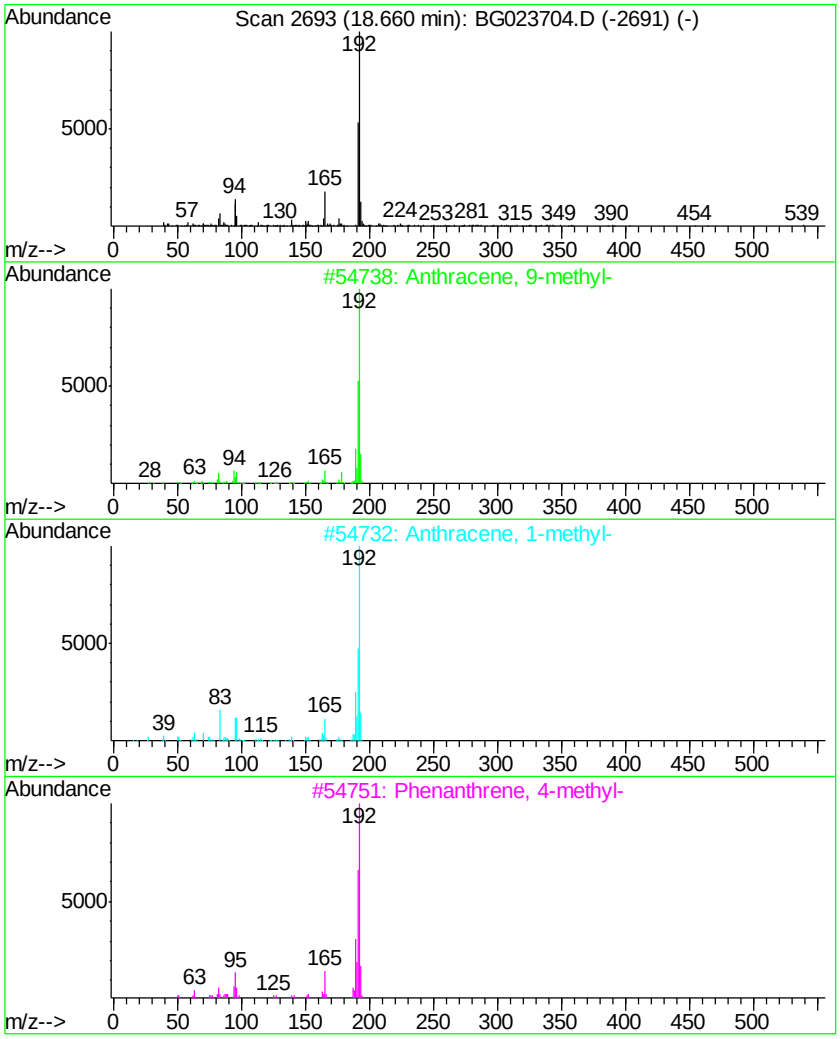
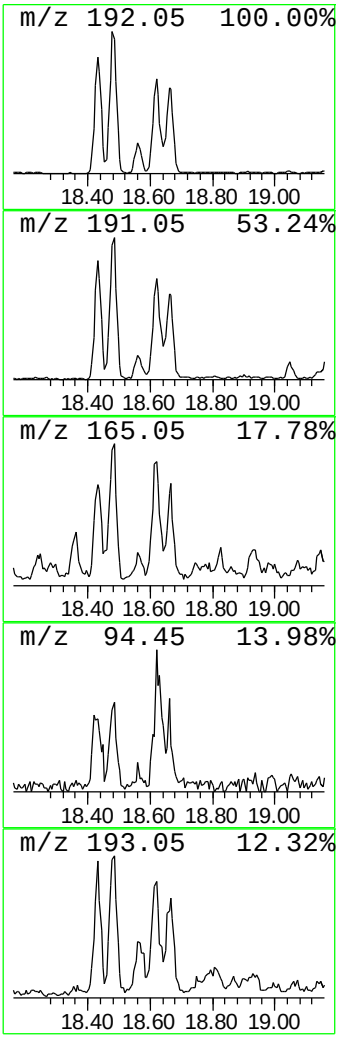




Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0206-01

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

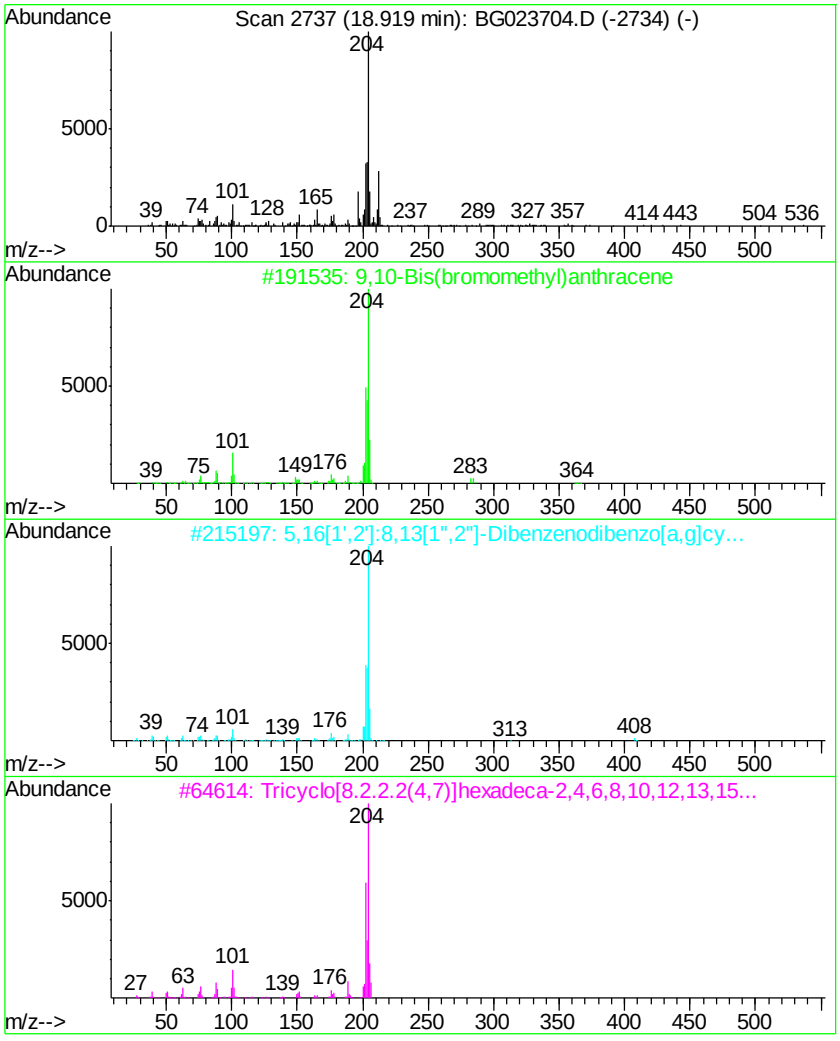
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

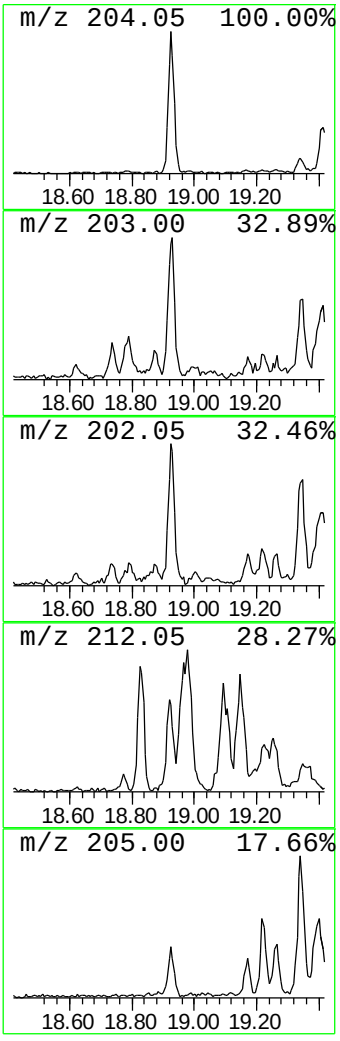
****

Peak Number 6 9,10-Bis(bromomethyl)anthra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	4.07 ng/ul	349923	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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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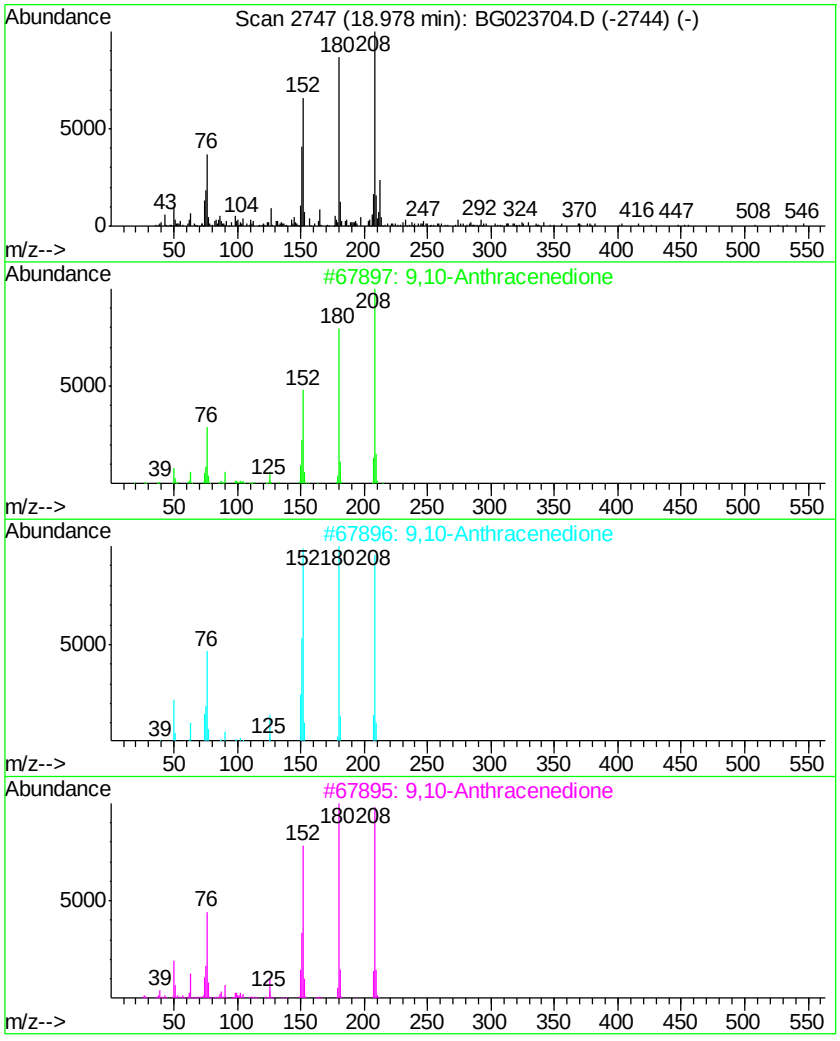
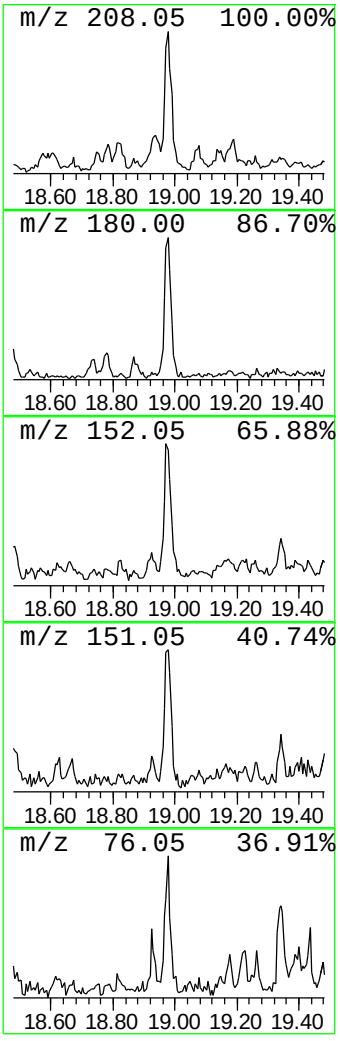
Peak Number 7 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.90 ng/ul	335466	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	74
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	46





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Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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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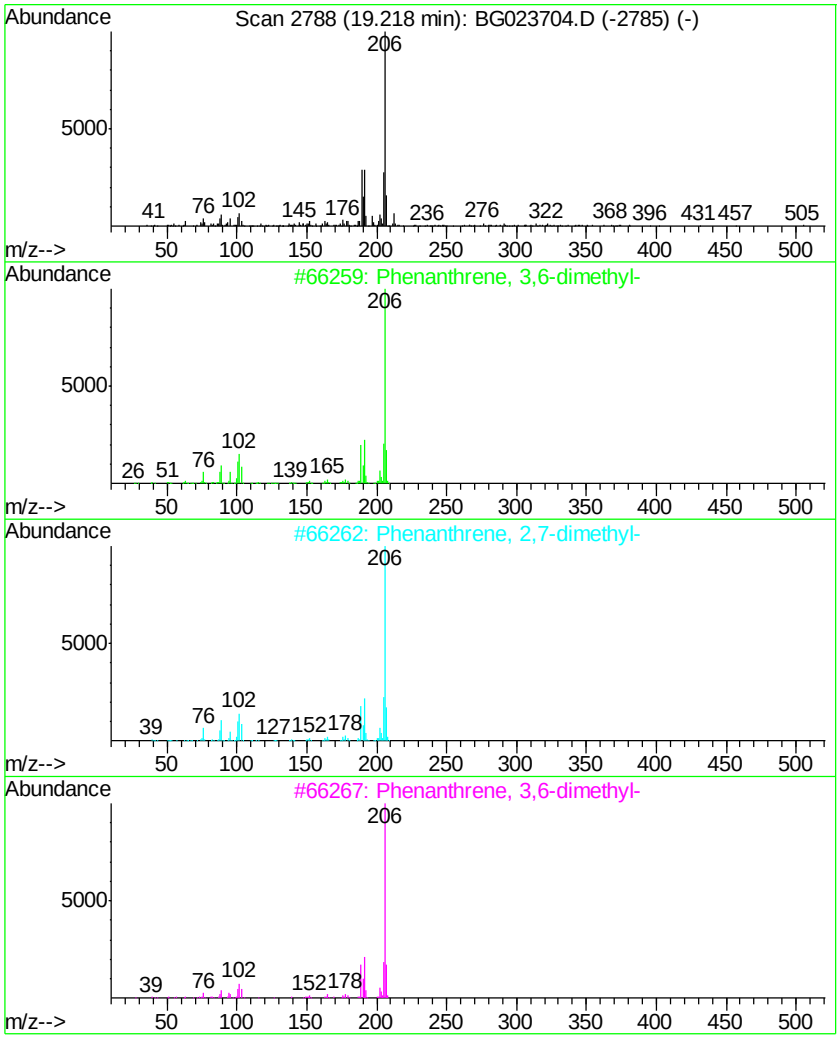
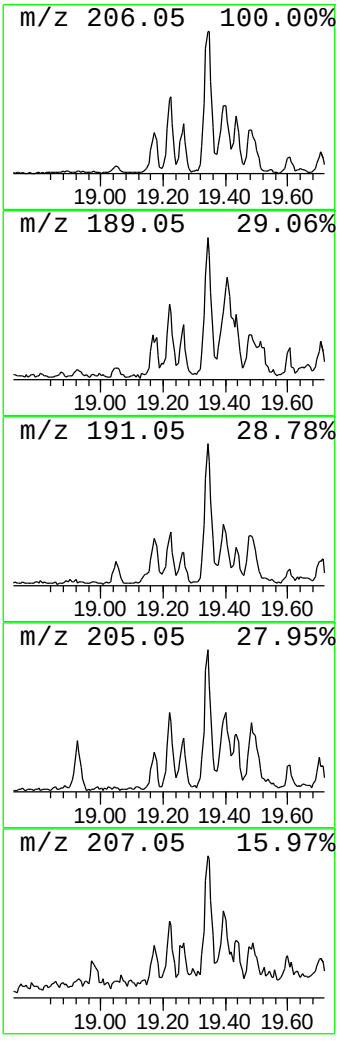
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.81 ng/ul	241502	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	80





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Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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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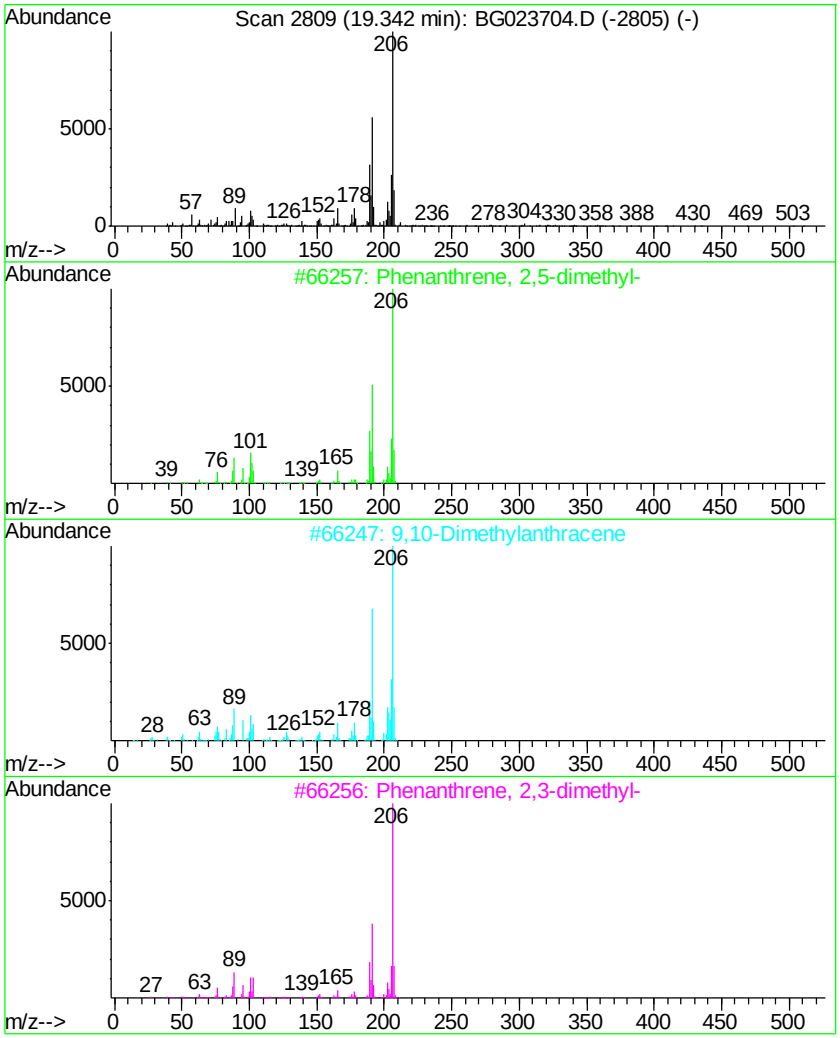
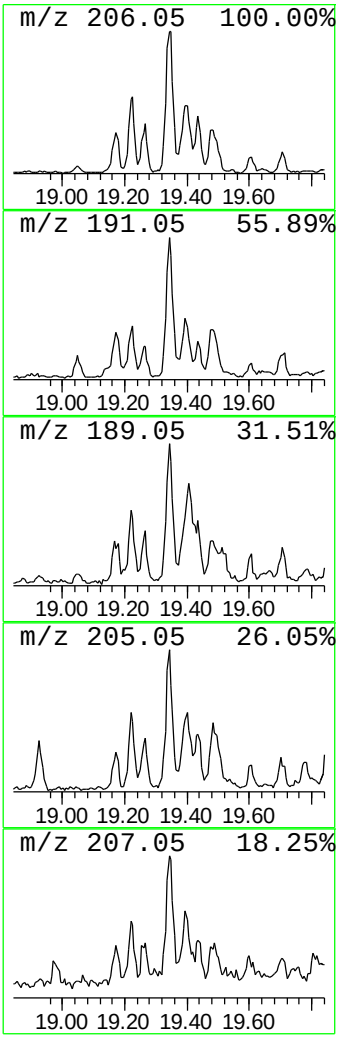
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	9.07 ng/ul	779716	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





Library Search Compound Report

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Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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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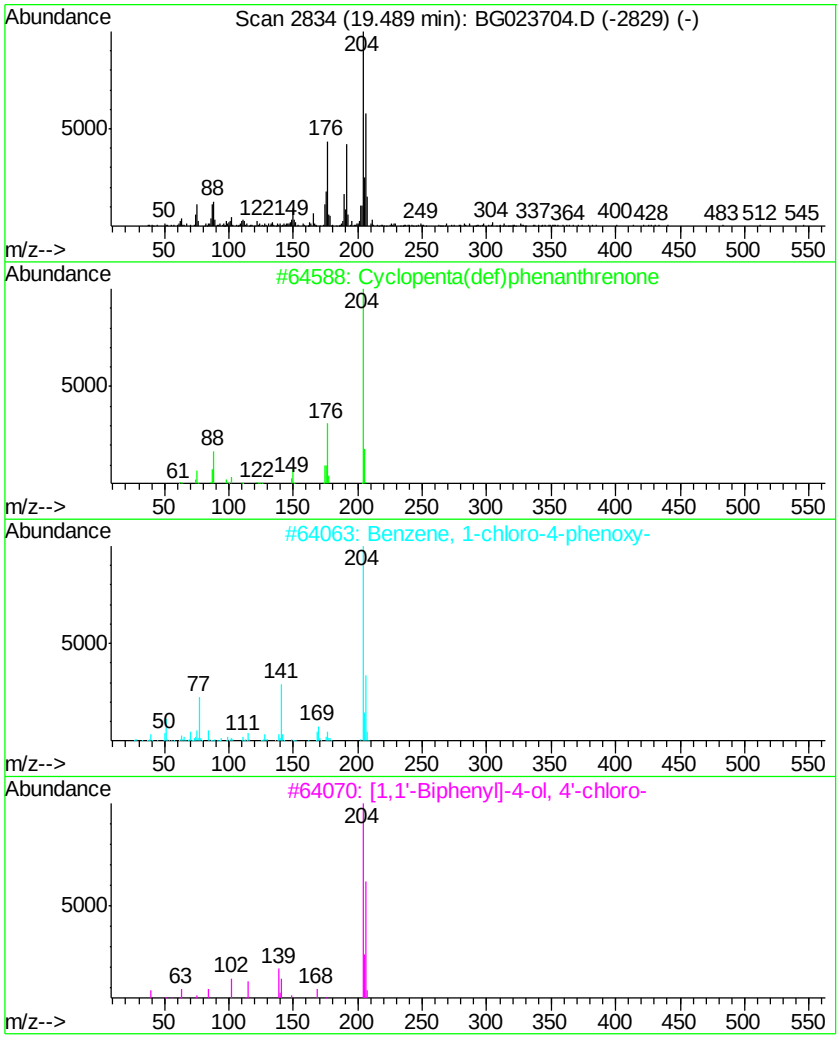
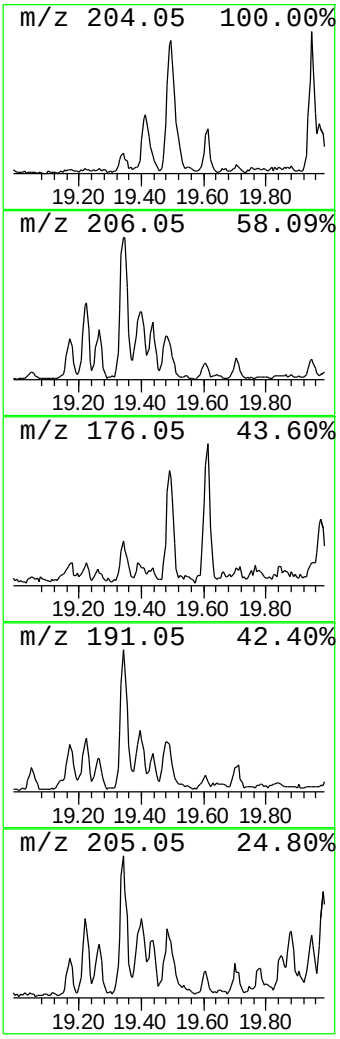
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	5.49 ng/ul	471489	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	49
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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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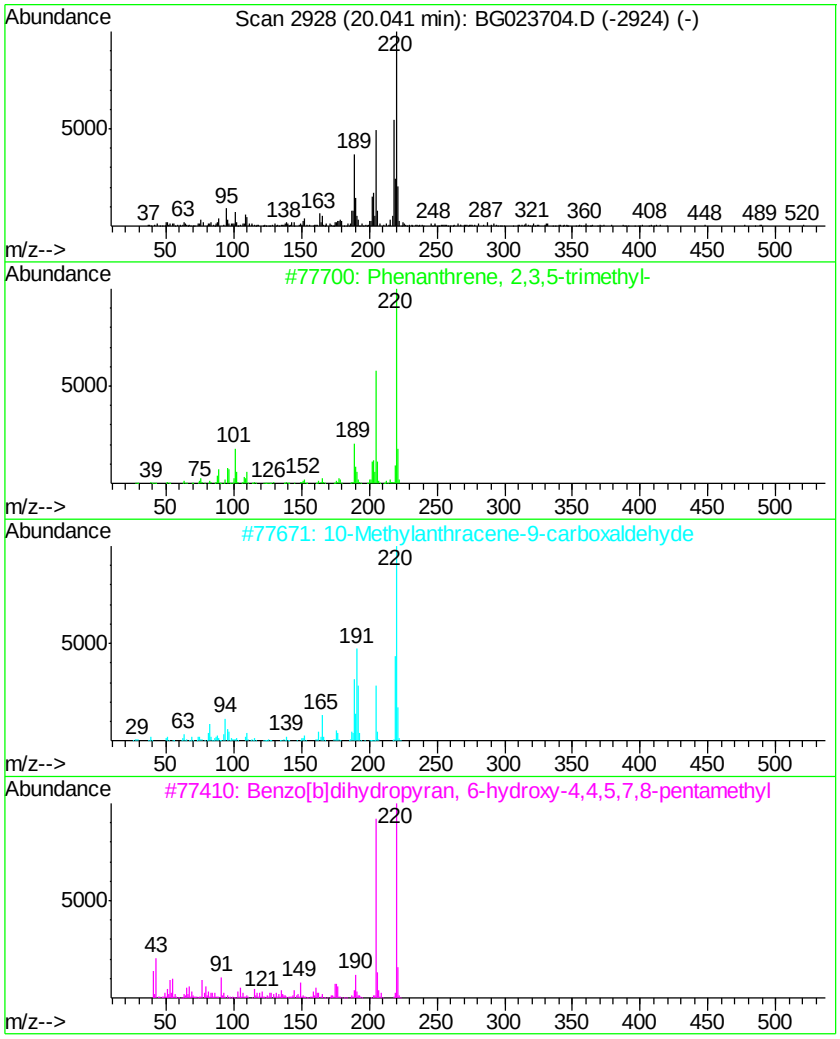
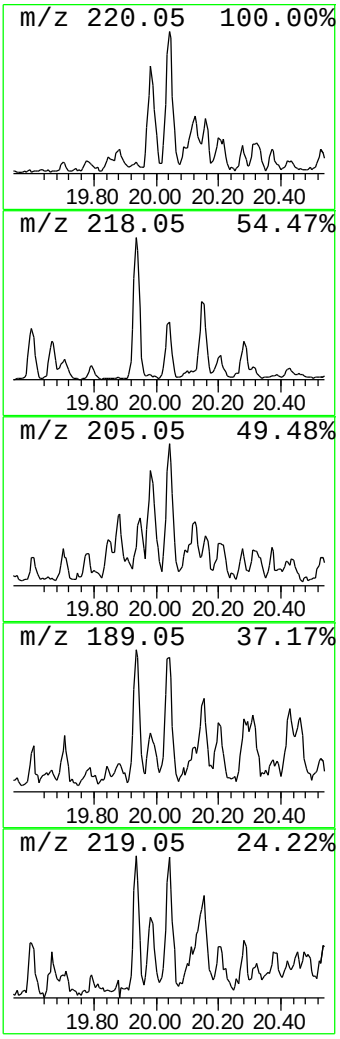
Peak Number 11 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.46 ng/ul	439874	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	58
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	55
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	47
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	46
5	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	43





Library Search Compound Report

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Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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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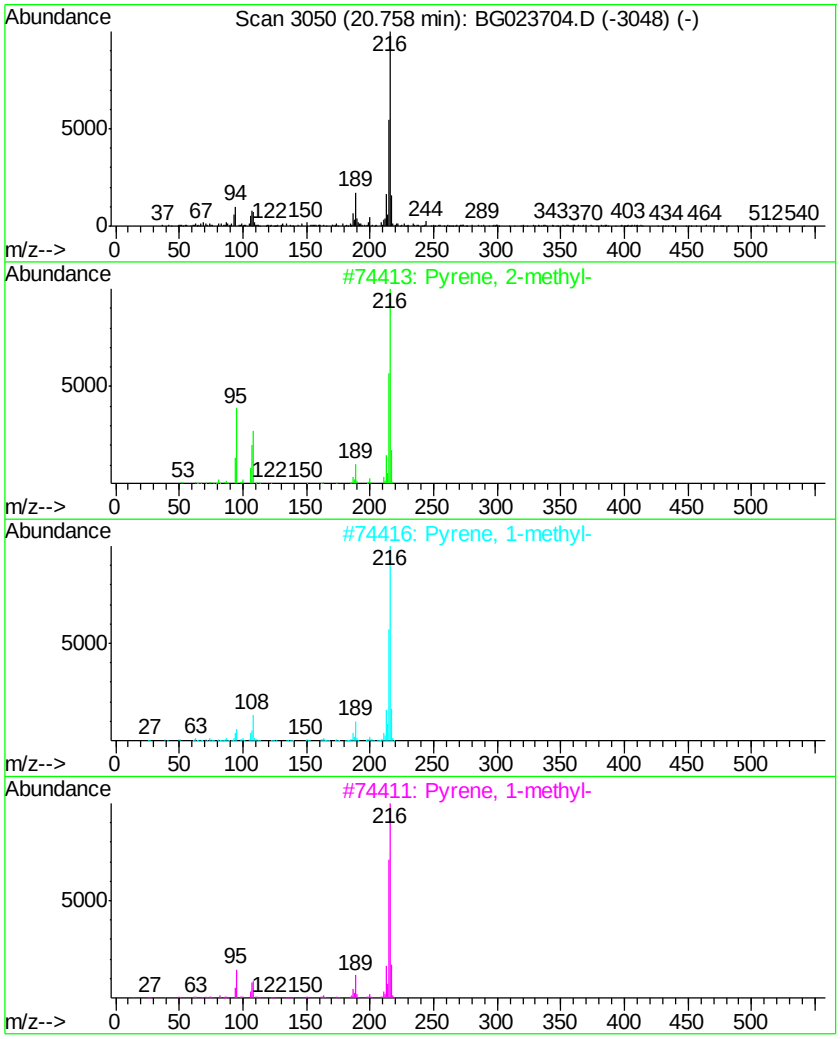
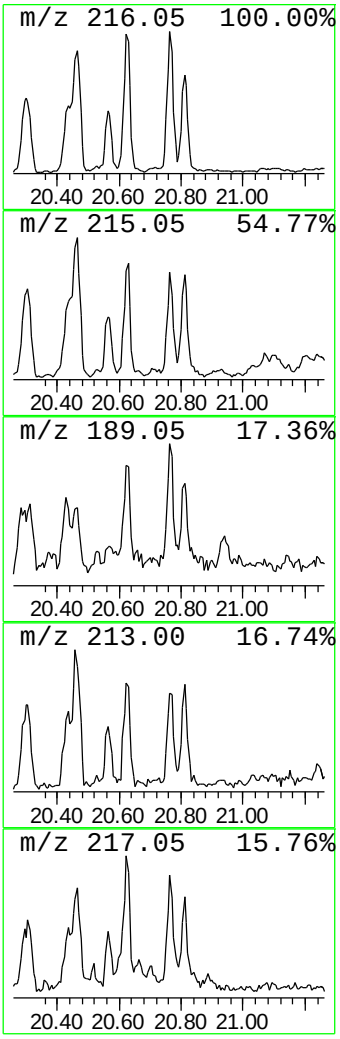
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.13 ng/ul	380822	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023704.D
Acq On : 14 Aug 2016 1:25
Operator : UM/SJ
Sample : H4385-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-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...	18.14	2.5	ng/ul	211946	4	17.56	1718400	20.0
Anthracene, 1-met...	18.43	12.3	ng/ul	1054050	4	17.56	1718400	20.0
Phenanthrene, 2-m...	18.48	9.3	ng/ul	801206	4	17.56	1718400	20.0
Anthracene, 9-met...	18.66	4.9	ng/ul	418599	4	17.56	1718400	20.0
9,10-Bis(bromomet...	18.92	4.1	ng/ul	349923	4	17.56	1718400	20.0
9,10-Anthracenedione	18.98	3.9	ng/ul	335466	4	17.56	1718400	20.0
Phenanthrene, 3,6...	19.22	2.8	ng/ul	241502	4	17.56	1718400	20.0
Phenanthrene, 2,5...	19.34	9.1	ng/ul	779716	4	17.56	1718400	20.0
Cyclopenta(def)ph...	19.49	5.5	ng/ul	471489	4	17.56	1718400	20.0
Phenanthrene, 2,3...	20.04	2.5	ng/ul	439874	5	21.88	3574780	20.0
Pyrene, 2-methyl-	20.76	2.1	ng/ul	380822	5	21.88	3574780	20.0