LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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	3.170	52	56	62	rBV2	49097	60141	1.64%	0.142%
2	3.264	68	72	76	rBV5	19299	34501	0.94%	0.082%
3	3.487	106	110	113	rVB5	14858	20635	0.56%	0.049%
4	4.010	195	199	207	rBV4	33557	52691	1.44%	0.125%
5	4.462	271	276	280	rBV2	38504	54020	1.47%	0.128%
6	4.756	323	326	328	rBV3	4623	5167	0.14%	0.012%
7	4.873	343	346	352	rVB5	13673	21266	0.58%	0.050%
8	5.208	401	403	407	rVB4	4979	4804	0.13%	0.011%
9	5.267	407	413	416	rBV5	9442	18890	0.51%	0.045%
10	6.095	547	554	559	rVB6	10006	18134	0.49%	0.043%
11	6.648	646	648	653	rVB5	5266	9263	0.25%	0.022%
12	7.270	746	754	765	rBV	275052	496801	13.54%	1.176%
13	7.429	772	781	790	rVB	227817	370308	10.09%	0.877%
14	7.640	809	817	826	rBV	283597	490027	13.36%	1.160%
15	7.793	839	843	845	rVB4	4903	6228	0.17%	0.015%
16	8.110	891	897	905	rVB	409329	719326	19.60%	1.703%
17	8.322	929	933	936	rBV5	4153	6864	0.19%	0.016%
18	8.369	939	941	944	rVB4	5061	5385	0.15%	0.013%
19	8.416	947	949	951	rBV3	4517	5725	0.16%	0.014%
20	8.480	959	960	963	rBV3	4253	5255	0.14%	0.012%
21	8.827	1013	1019	1027	rBV	321368	583529	15.90%	1.382%
22	9.291	1090	1098	1104	rBV2	290007	535755	14.60%	1.268%
23	9.391	1110	1115	1116	rBV4	6302	6107	0.17%	0.014%
24	9.403	1116	1117	1121	rVB4	8917	7896	0.22%	0.019%
25	10.019	1216	1222	1231	rBV	258410	478726	13.05%	1.133%
26	10.266	1259	1264	1266	rBV5	5262	7624	0.21%	0.018%
27	10.348	1275	1278	1283	rVB8	9521	14797	0.40%	0.035%
28	10.454	1291	1296	1302	rVB7	5853	11722	0.32%	0.028%
29	10.572	1308	1316	1330	rBV	356391	714519	19.47%	1.692%
30	10.948	1372	1380	1387	rBV	640236	1166738	31.80%	2.762%
31	11.089	1395	1404	1416	rBV	260550	523102	14.26%	1.239%
32	11.711	1507	1510	1512	rBV2	6408	7701	0.21%	0.018%
33	11.752	1512	1517	1519	rBV3	9781	14303	0.39%	0.034%
34	12.087	1570	1574	1578	rBV7	3824	5893	0.16%	0.014%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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	12.175	1585	1589	1590	rBV3	4480	4777	0.13%	0.011%
36	12.428	1626	1632	1635	rBV7	11454	22873	0.62%	0.054%
37	12.534	1645	1650	1654	rBV6	8899	14659	0.40%	0.035%
38	12.610	1657	1663	1669	rBV3	20833	38313	1.04%	0.091%
39	12.827	1694	1700	1706	rBV2	28671	48175	1.31%	0.114%
40	13.127	1747	1751	1758	rVB4	17655	33632	0.92%	0.080%
41	13.192	1758	1762	1764	rBV5	4496	5468	0.15%	0.013%
42	13.209	1764	1765	1769	rBV4	4091	4852	0.13%	0.011%
43	13.374	1788	1793	1798	rBV2	28710	44727	1.22%	0.106%
44	13.491	1810	1813	1816	rBV5	9132	9954	0.27%	0.024%
45	13.656	1838	1841	1845	rVB4	19993	24124	0.66%	0.057%
46	13.756	1854	1858	1859	rBV4	7141	5780	0.16%	0.014%
47	13.938	1887	1889	1890	rBV2	16291	13834	0.38%	0.033%
48	14.020	1899	1903	1905	rBV4	12487	17684	0.48%	0.042%
49	14.102	1911	1917	1922	rBV2	52491	94239	2.57%	0.223%
50	14.179	1922	1930	1935	rBV	759725	1177215	32.08%	2.787%
51	14.226	1935	1938	1948	rVB	259939	391449	10.67%	0.927%
52	14.296	1948	1950	1952	rBV3	9366	8602	0.23%	0.020%
53	14.337	1954	1957	1961	rBV3	25591	37519	1.02%	0.089%
54	14.478	1975	1981	1993	rBV2	792471	1540059	41.97%	3.646%
55	14.654	2009	2011	2015	rVB4	14638	13256	0.36%	0.031%
56	14.789	2022	2034	2041	rBV2	1052616	1785570	48.66%	4.228%
57	14.854	2041	2045	2051	rVB5	23657	46960	1.28%	0.111%
58	14.913	2051	2055	2061	rBV9	10923	20660	0.56%	0.049%
59	15.013	2065	2072	2081	rBV2	235486	508423	13.86%	1.204%
60	15.183	2093	2101	2108	rVV4	63149	123751	3.37%	0.293%
61	15.254	2110	2113	2119	rVB2	62155	96978	2.64%	0.230%
62	15.395	2131	2137	2143	rBV4	60036	129046	3.52%	0.306%
63	15.453	2145	2147	2151	rVB4	40546	46896	1.28%	0.111%
64	15.512	2155	2157	2161	rBV3	16993	18502	0.50%	0.044%
65	15.559	2161	2165	2166	rBV4	34271	43925	1.20%	0.104%
66	15.606	2171	2173	2178	rVB2	66488	70788	1.93%	0.168%
67	15.659	2178	2182	2187	rBV3	37815	61515	1.68%	0.146%
68	15.782	2198	2203	2209	rBV	1133732	1661859	45.29%	3.935%
69	15.917	2221	2226	2232	rBV	275144	444154	12.11%	1.052%
70	16.282	2284	2288	2295	rVB8	38245	65780	1.79%	0.156%
71	16.475	2317	2321	2324	rBV3	57143	97242	2.65%	0.230%

LSC Area Percent Report

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Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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	16.898	2390	2393	2398	rBV2	53000	70377	1.92%	0.167%
73	17.204	2441	2445	2450	rBV3	62672	101921	2.78%	0.241%
74	17.274	2453	2457	2463	rVV3	61543	91734	2.50%	0.217%
75	17.368	2470	2473	2479	rVB	75243	116779	3.18%	0.276%
76	17.556	2499	2505	2508	rBV	1289987	2019108	55.03%	4.781%
77	17.597	2508	2512	2516	rVB	840742	1197858	32.65%	2.836%
78	17.650	2516	2521	2527	rBV	1108538	1610806	43.90%	3.814%
79	18.138	2600	2604	2610	rVB	176961	266580	7.27%	0.631%
80	18.426	2648	2653	2658	rBV2	728908	1249906	34.07%	2.959%
81	18.479	2658	2662	2669	rVB2	640096	1038552	28.30%	2.459%
82	18.567	2673	2677	2681	rVV3	80168	132461	3.61%	0.314%
83	18.620	2681	2686	2691	rVV3	520536	1031717	28.12%	2.443%
84	18.661	2691	2693	2699	rVB	389186	504458	13.75%	1.194%
85	18.925	2734	2738	2742	rBV	241741	365691	9.97%	0.866%
86	19.225	2785	2789	2792	rBV	310151	361841	9.86%	0.857%
87	19.260	2793	2795	2802	rVB2	221394	261767	7.13%	0.620%
88	19.342	2804	2809	2814	rBV	765704	1194981	32.57%	2.829%
89	19.401	2815	2819	2822	rVV2	187880	300078	8.18%	0.710%
90	19.489	2829	2834	2839	rBV4	274736	580705	15.83%	1.375%
91	19.612	2850	2855	2860	rVB	1458532	2157231	58.79%	5.108%
92	19.665	2861	2864	2866	rBV2	136888	180908	4.93%	0.428%
93	19.947	2907	2912	2914	rBV	1380932	2074465	56.54%	4.912%
94	19.977	2914	2917	2923	rVV	2013158	2795692	76.19%	6.619%
95	20.041	2924	2928	2933	rVB	413211	612143	16.68%	1.449%
96	20.623	3024	3027	3031	rVB	486894	613591	16.72%	1.453%
97	20.764	3048	3051	3055	rBV	432858	530161	14.45%	1.255%
98	20.811	3056	3059	3063	rVV	293075	380855	10.38%	0.902%
99	21.880	3233	3241	3245	rBV2	1459847	3669160	100.00%	8.687%
100	21.927	3246	3249	3262	rVB	871392	1467361	39.99%	3.474%

Sum of corrected areas: 42235970

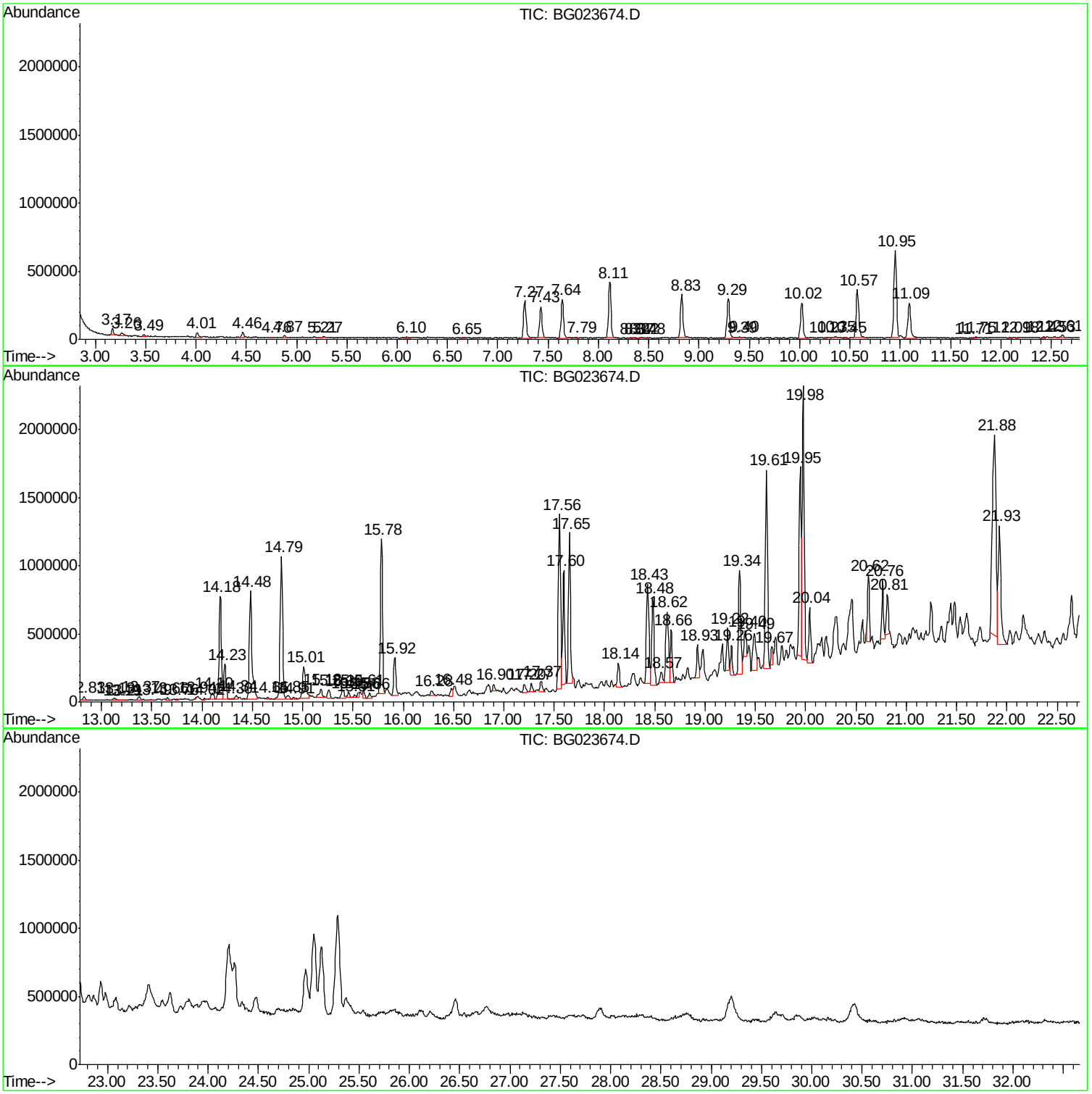
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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

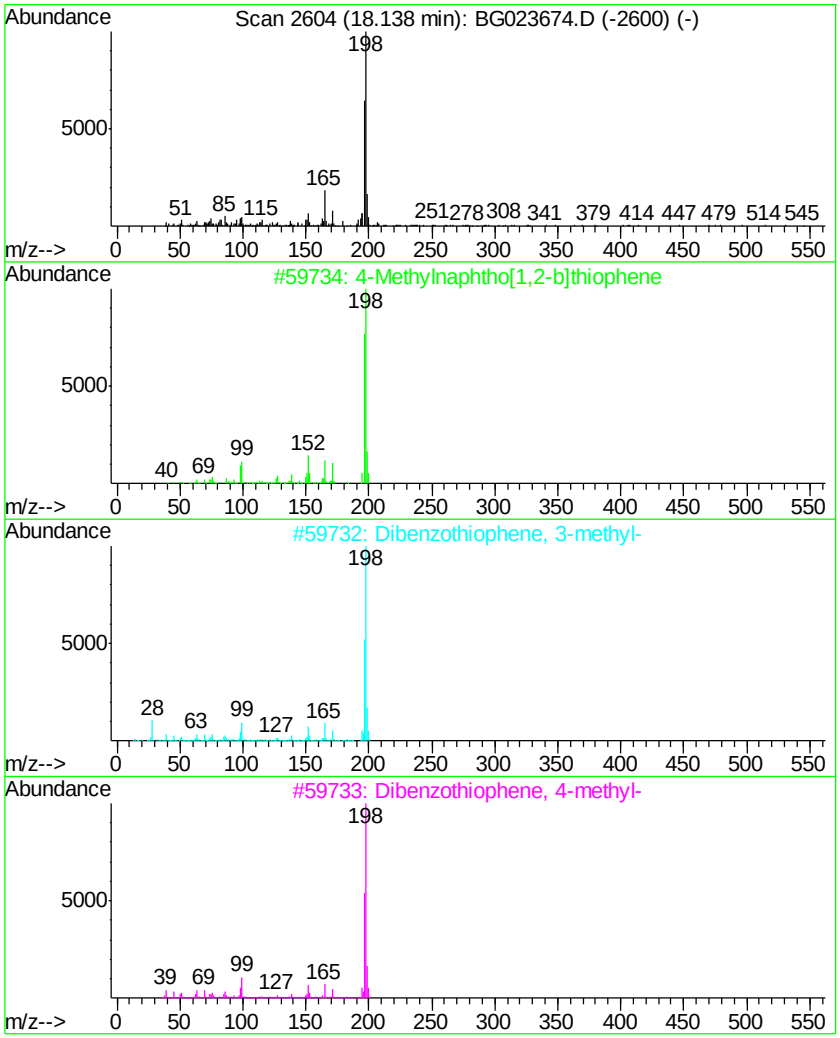
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

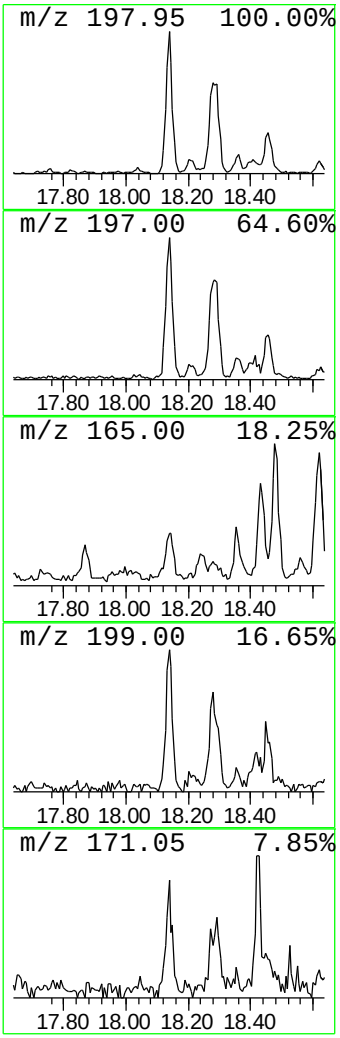
****

Peak Number 1 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.64 ng/ul	266580	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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

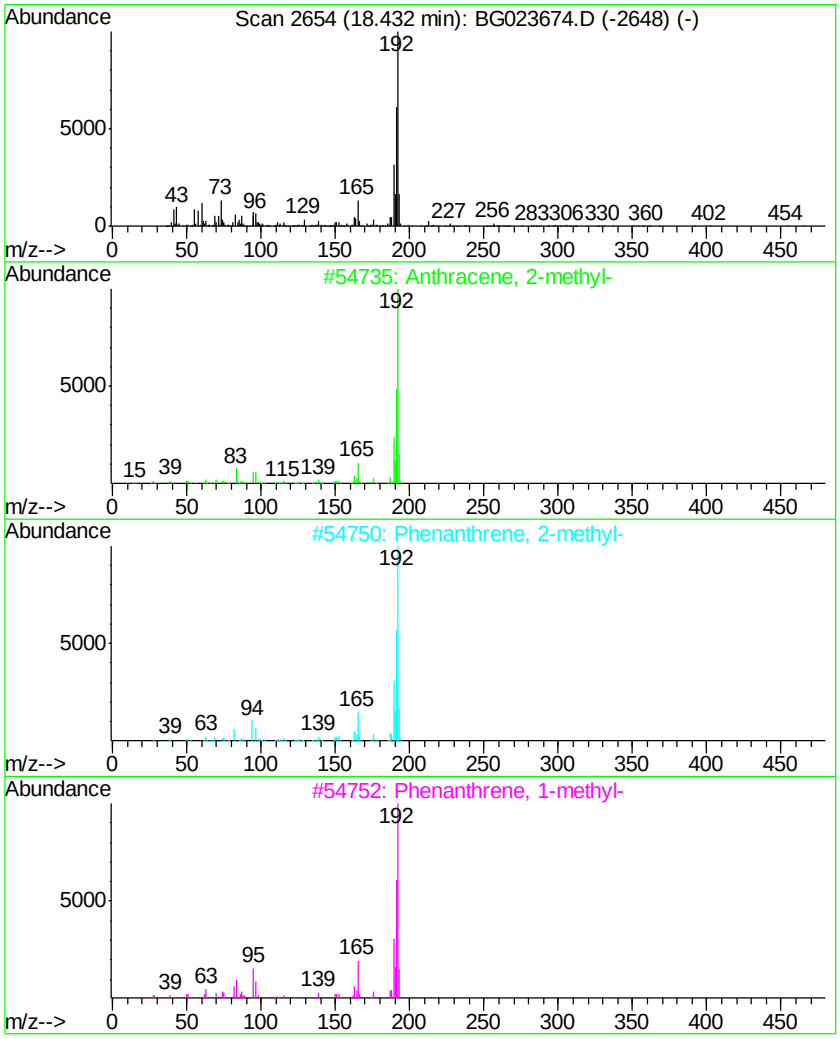
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

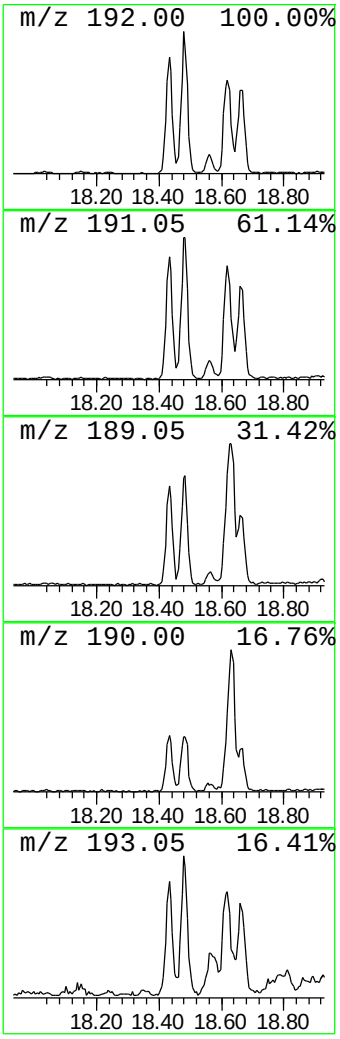
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	12.38 ng/ul	1249910	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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

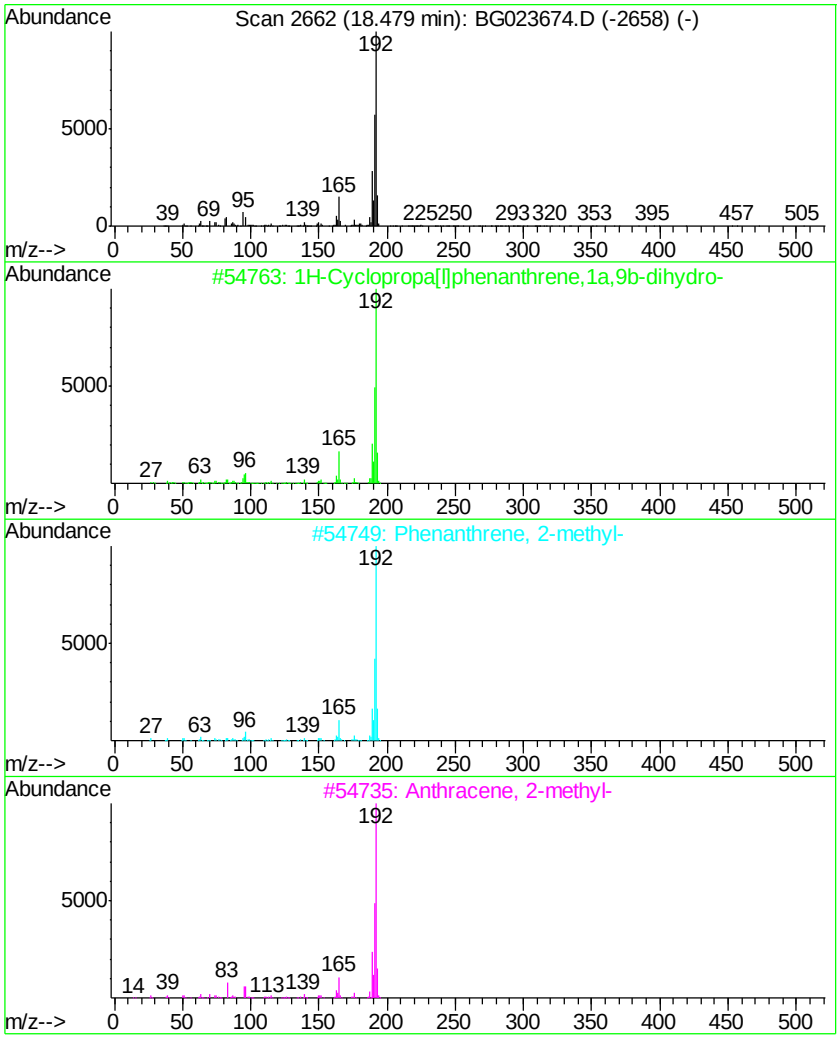
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

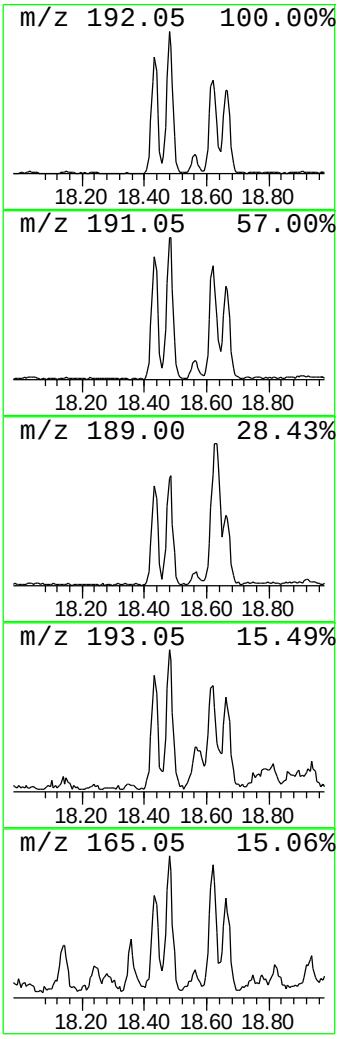
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	10.29 ng/ul	1038550	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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

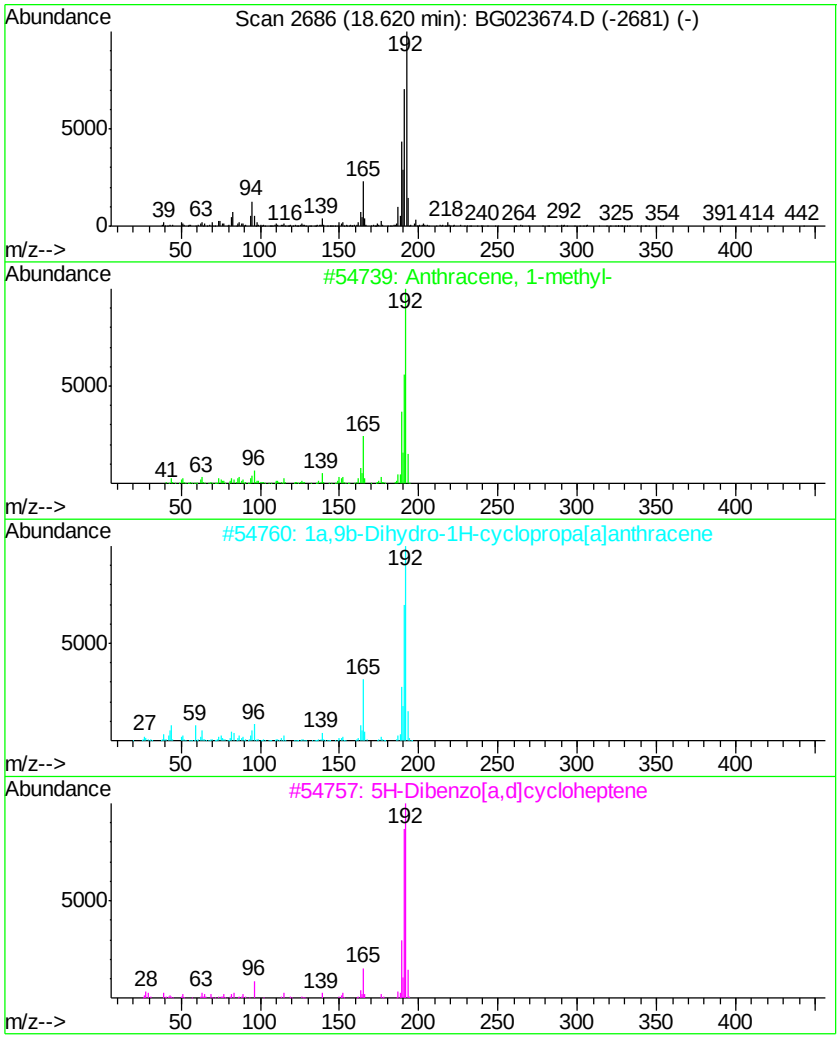
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

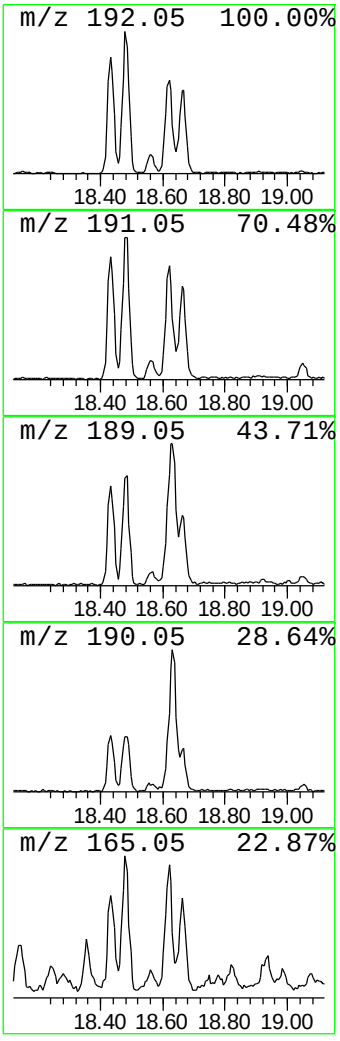
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	10.22 ng/ul	1031720	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	64
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	62
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	62





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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

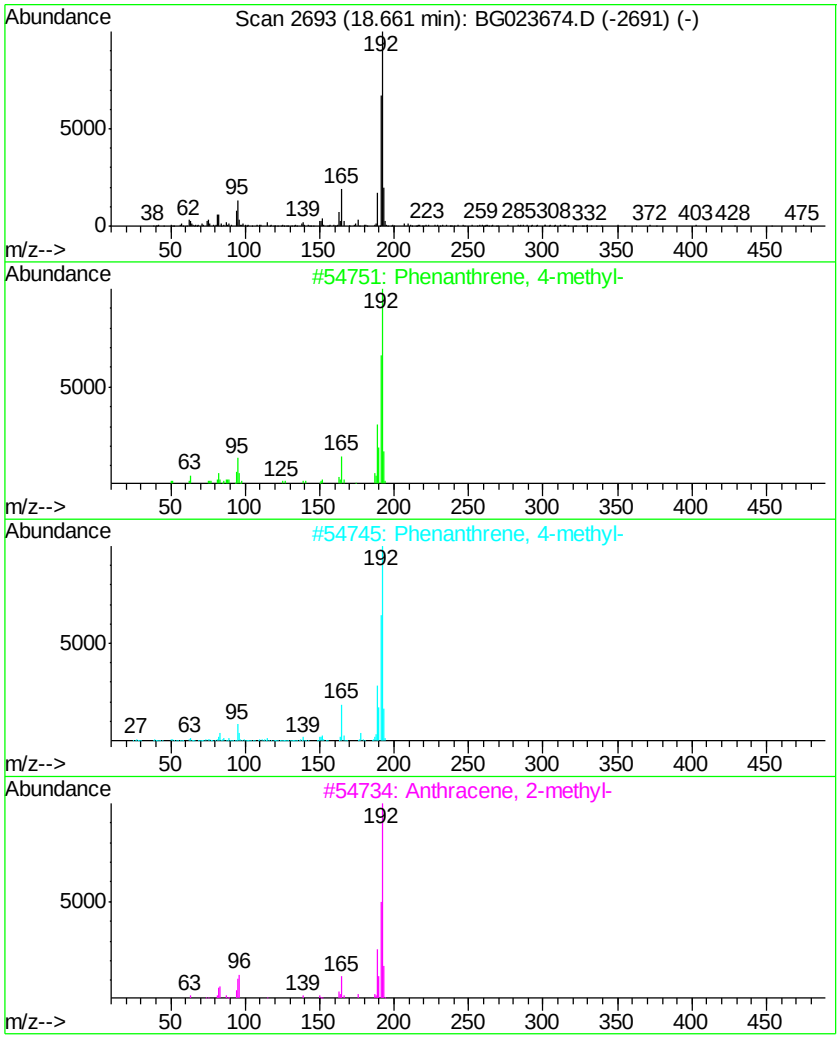
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

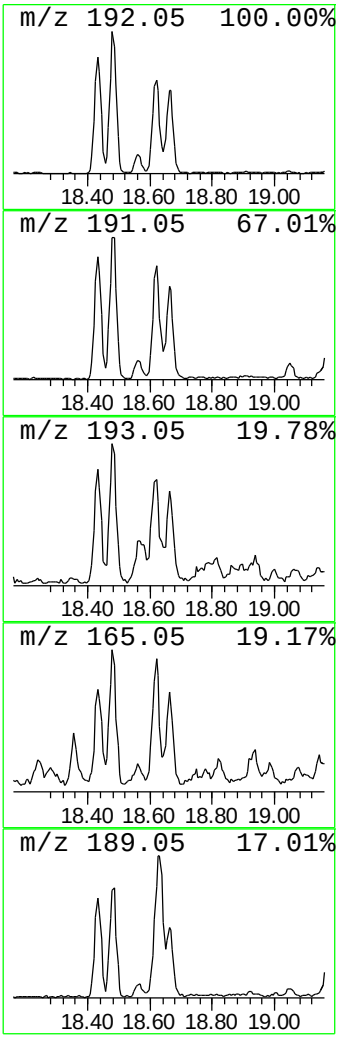
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	5.00 ng/ul	504458	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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

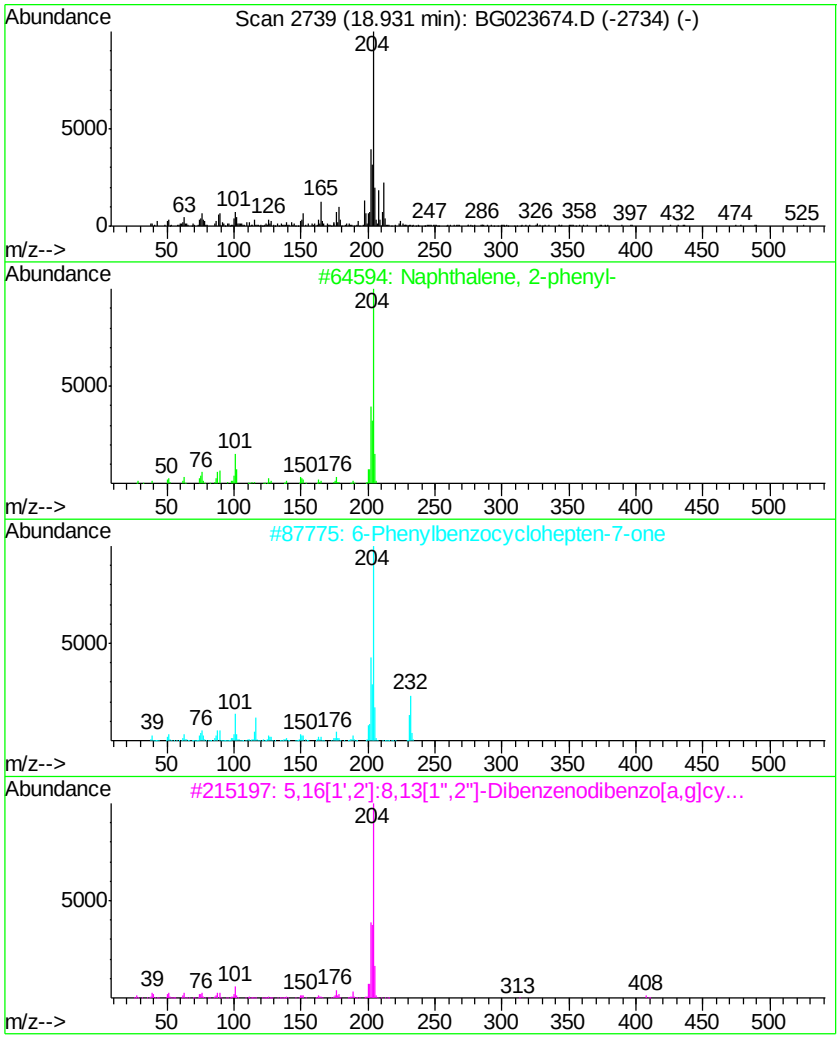
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

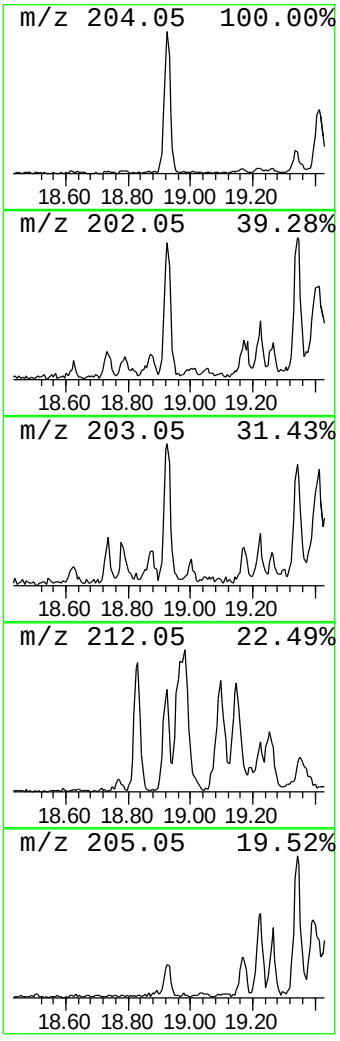
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.62 ng/ul	365691	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	58
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45





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Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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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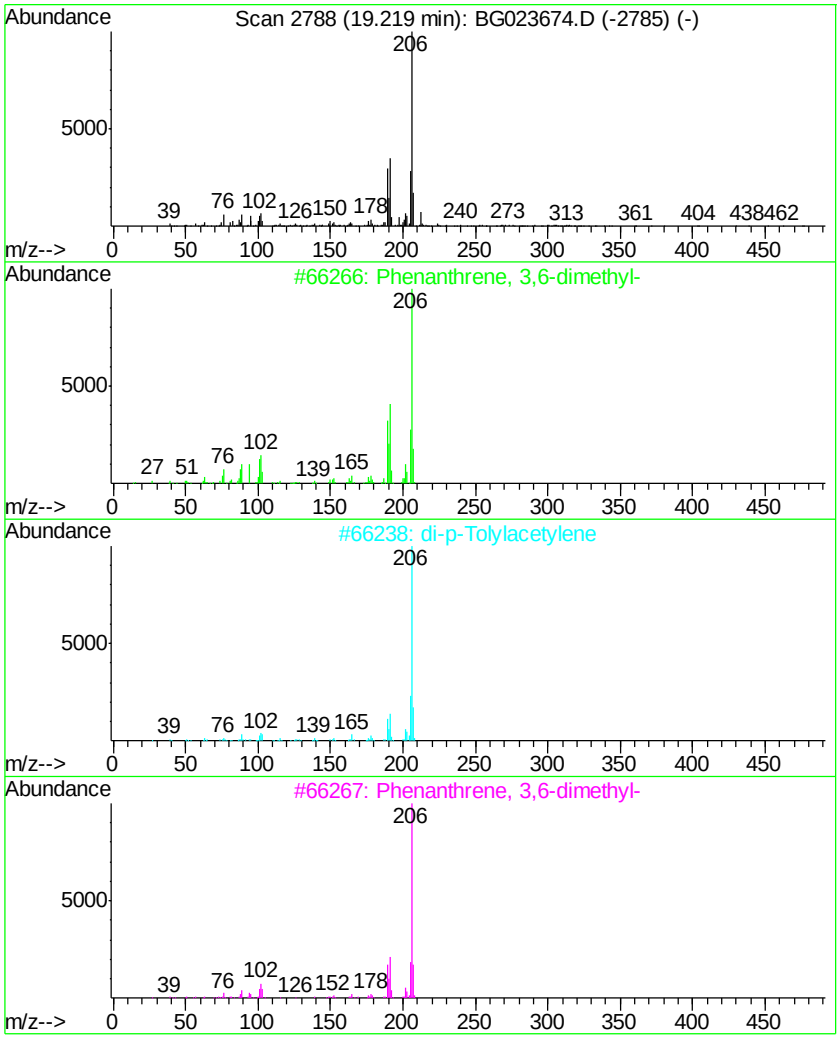
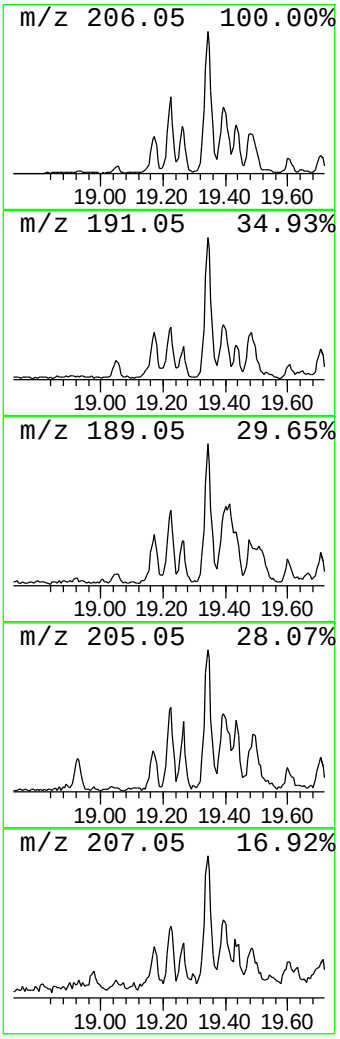
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.58 ng/ul	361841	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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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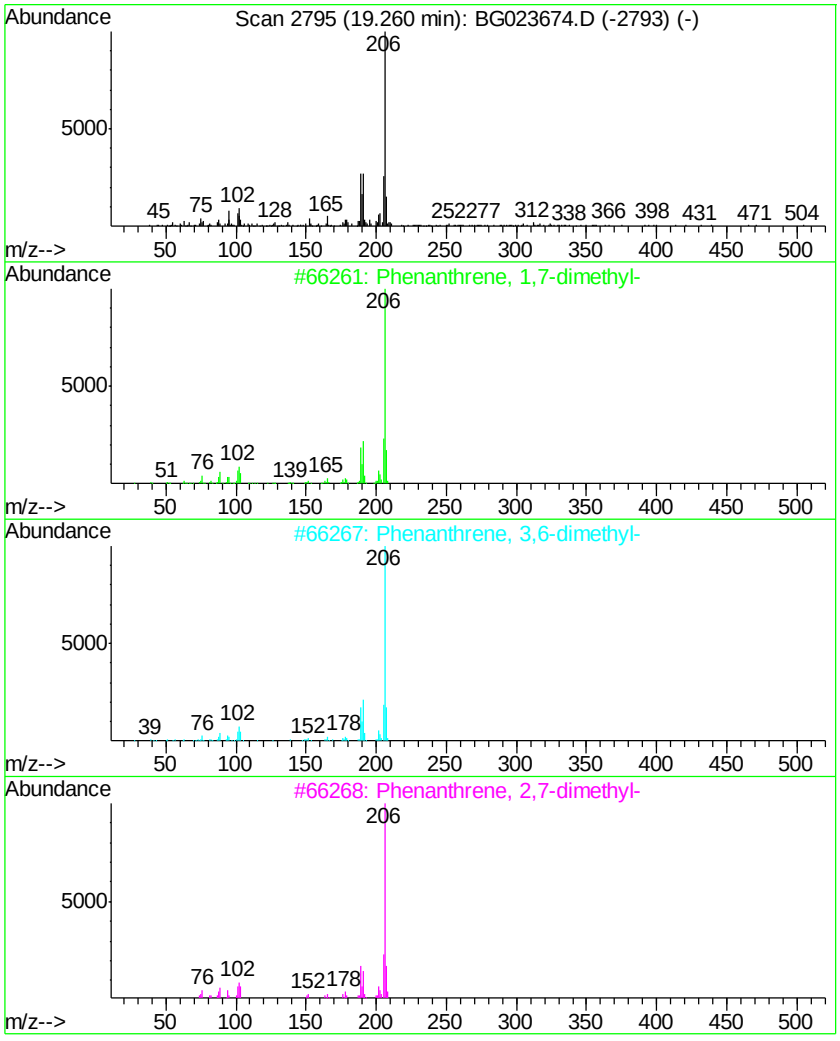
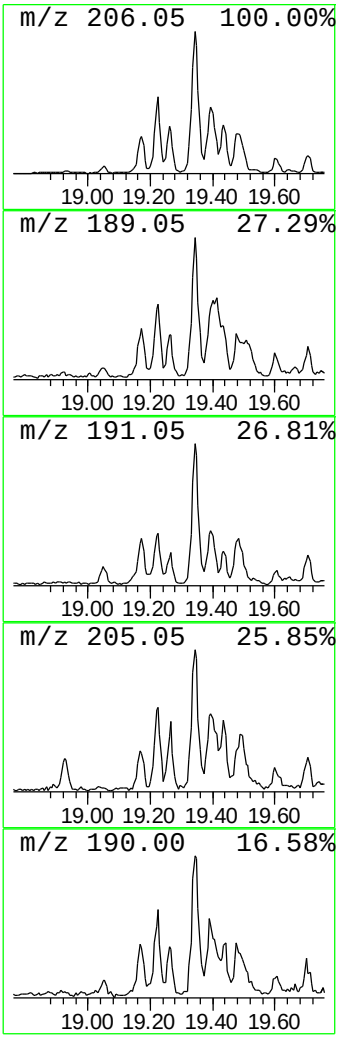
Peak Number 8 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	2.59 ng/ul	261767	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76





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Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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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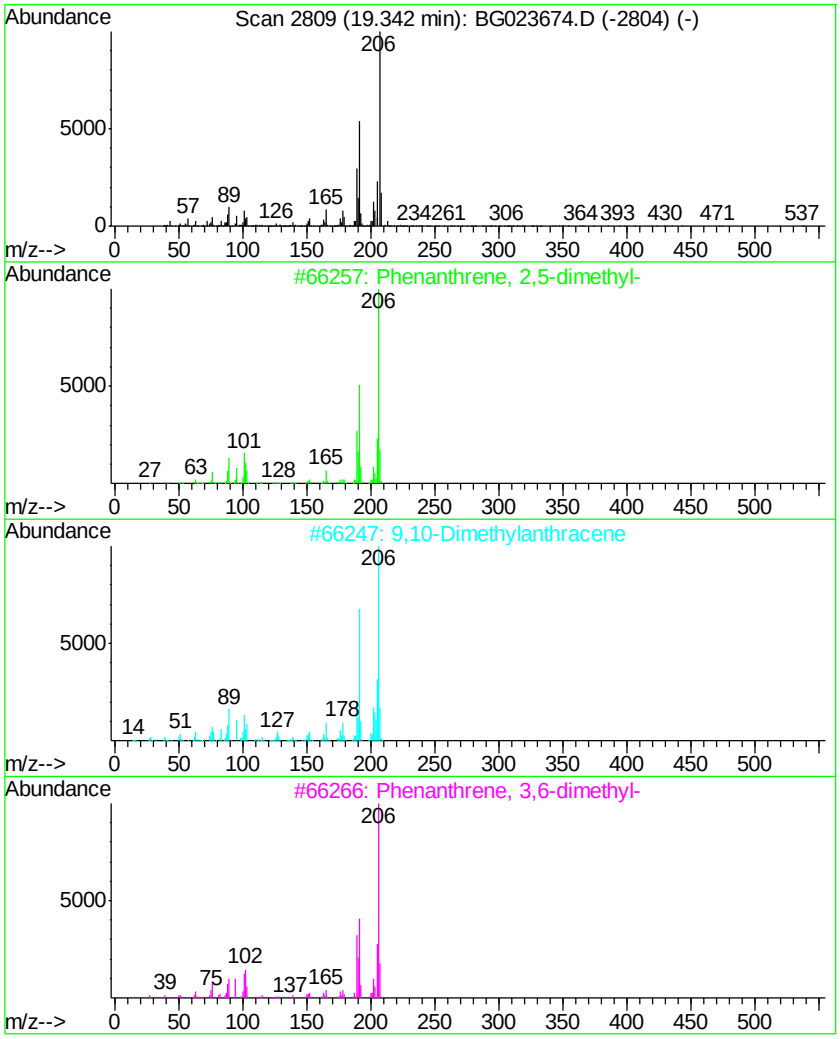
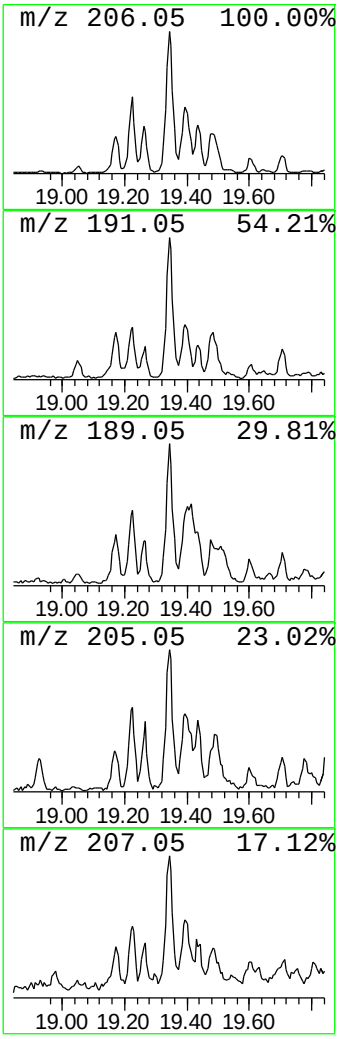
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	11.84 ng/ul	1194980	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, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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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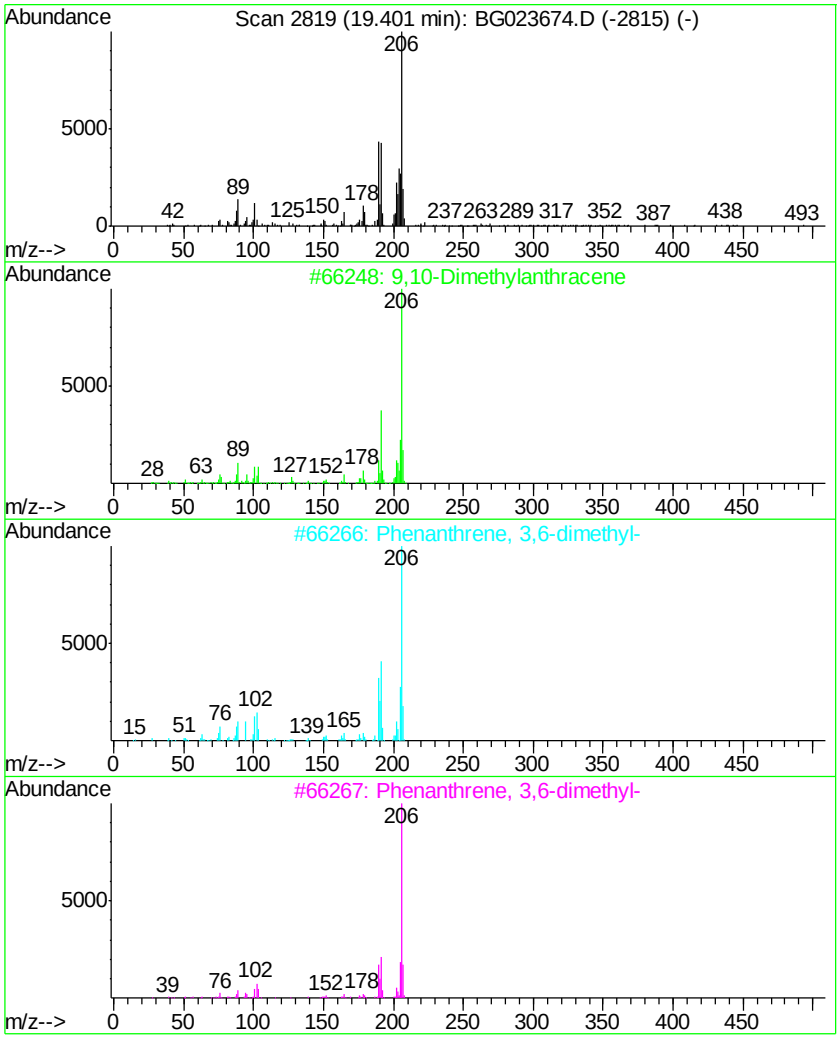
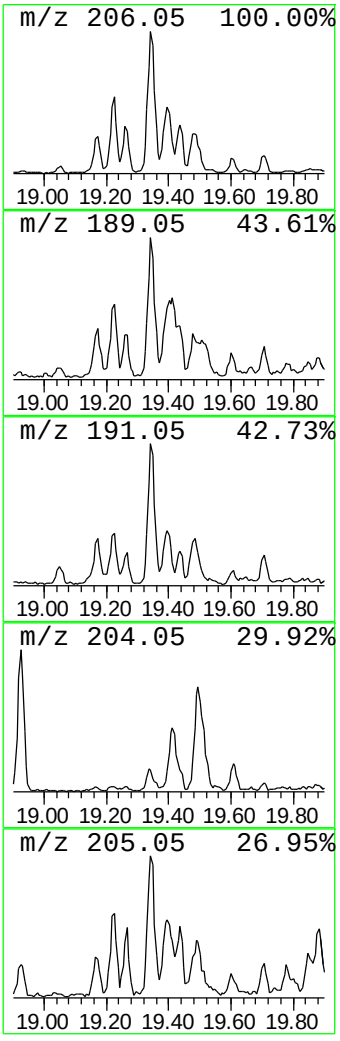
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	2.97 ng/ul	300078	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86





Library Search Compound Report

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Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

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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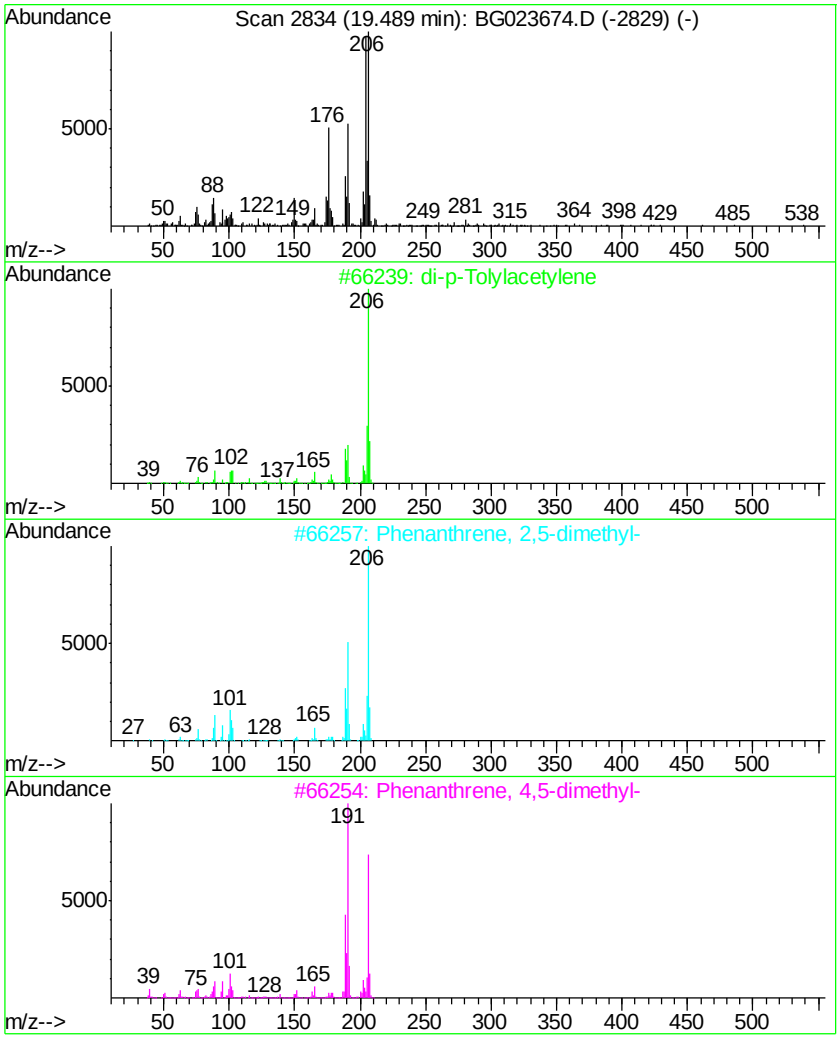
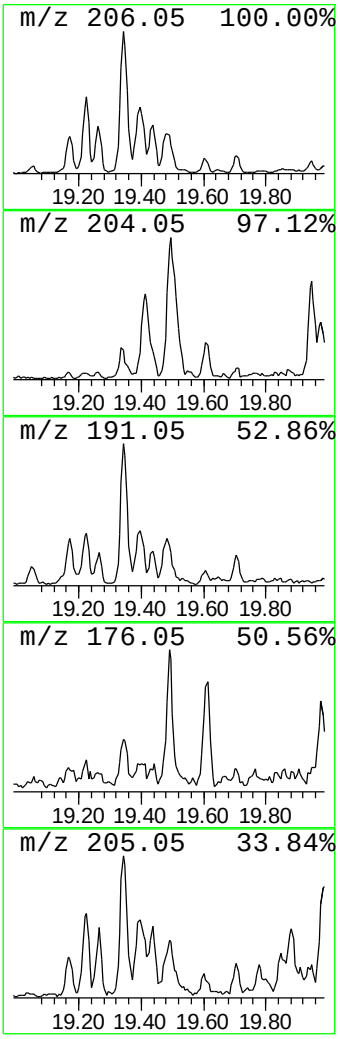
Peak Number 11 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	5.75 ng/ul	580705	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	60
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	50
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50





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Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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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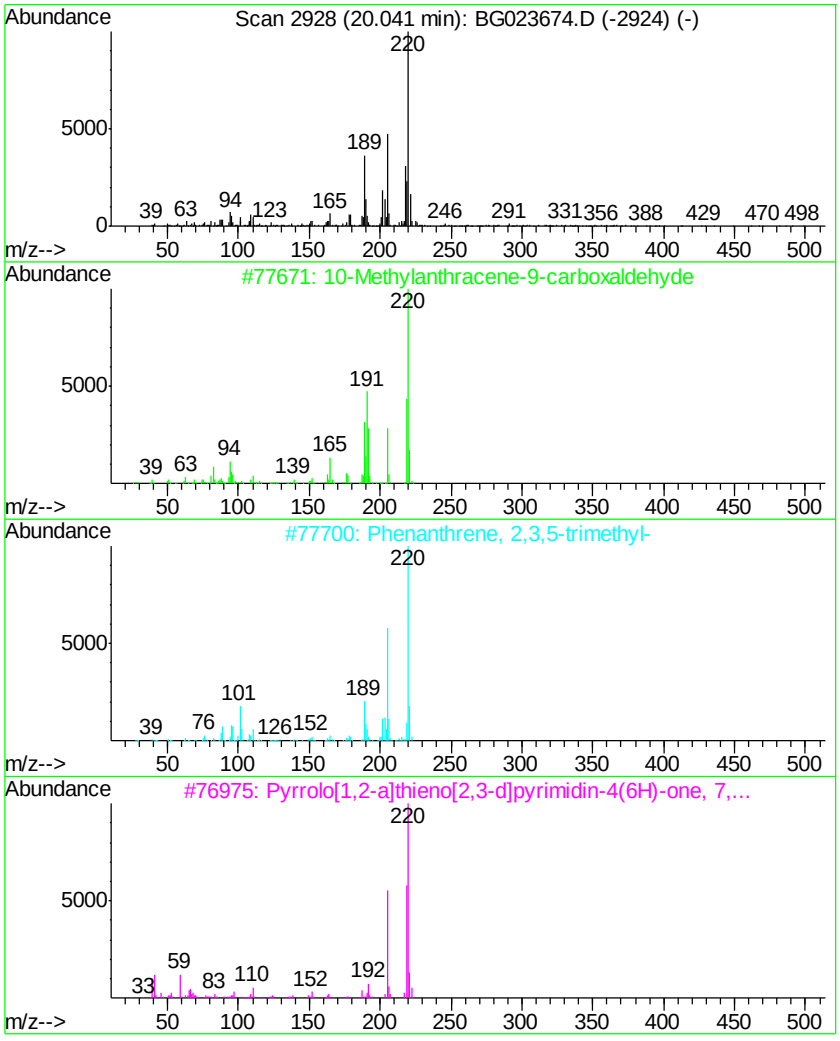
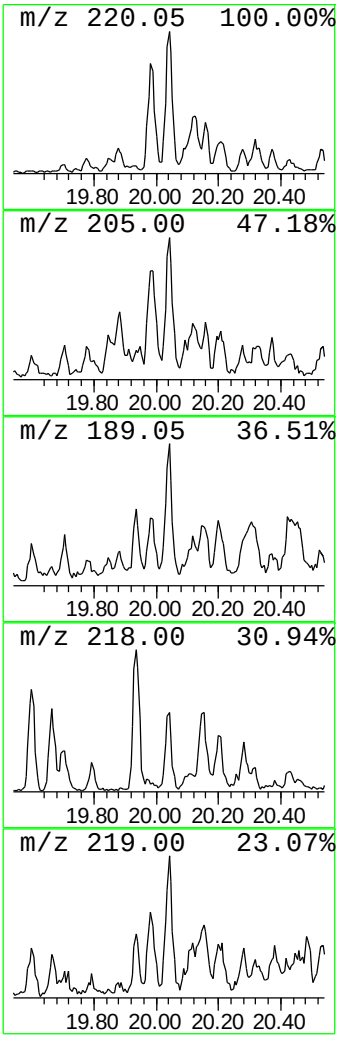
Peak Number 12 10-Methylanthracene-9-carbo... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	3.34 ng/ul	612143	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	64
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	64
3	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	47
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	47
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	47





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Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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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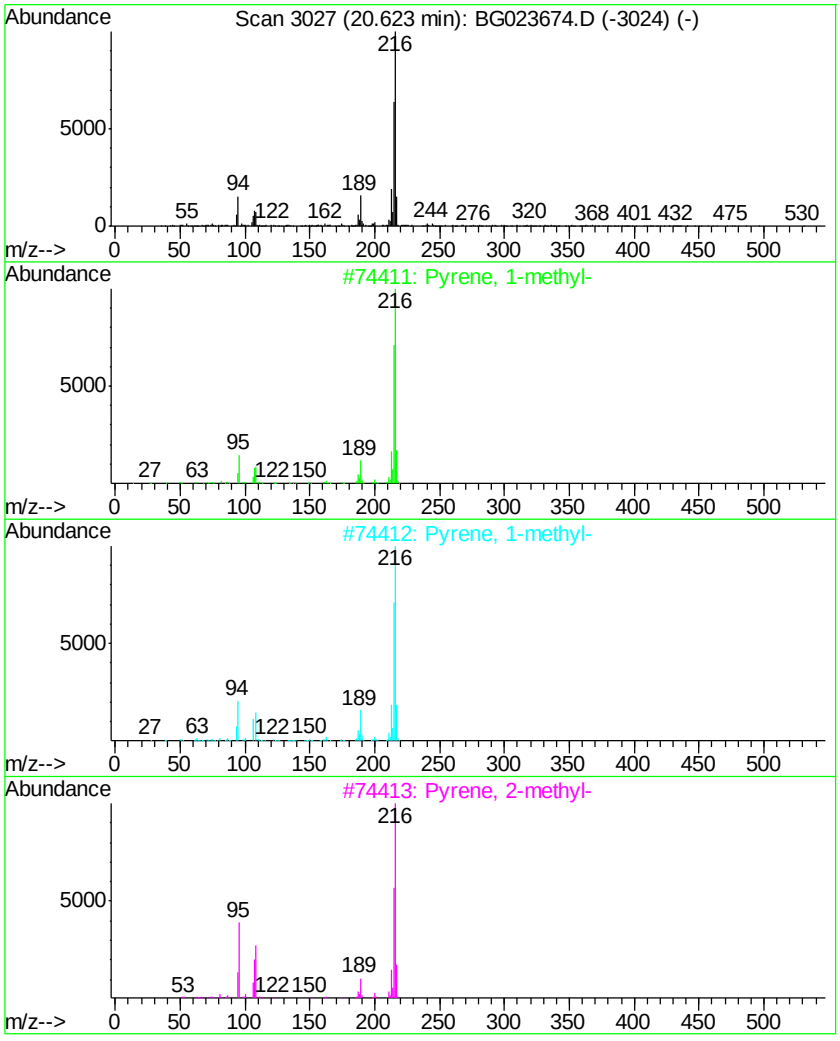
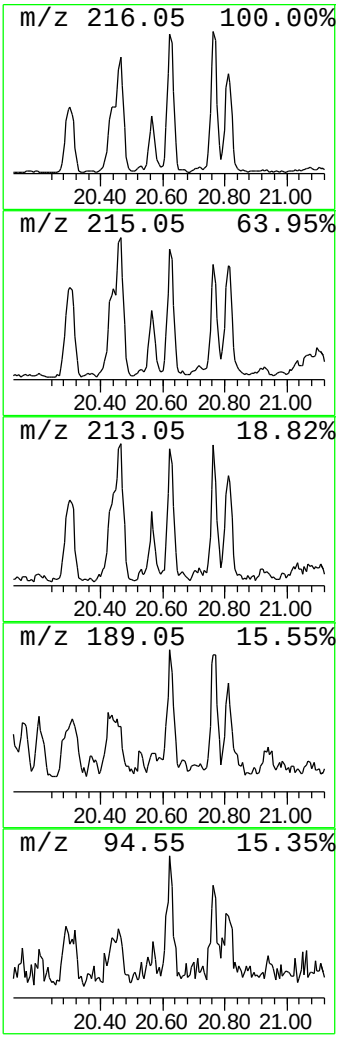
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	3.34 ng/ul	613591	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

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
4-Methylnaphtho[1...	18.14	2.6	ng/ul	266580	4	17.56	2019110	20.0
Anthracene, 2-met...	18.43	12.4	ng/ul	1249910	4	17.56	2019110	20.0
1H-Cyclopropa[l]p...	18.48	10.3	ng/ul	1038550	4	17.56	2019110	20.0
Anthracene, 1-met...	18.62	10.2	ng/ul	1031720	4	17.56	2019110	20.0
Phenanthrene, 4-m...	18.66	5.0	ng/ul	504458	4	17.56	2019110	20.0
Naphthalene, 2-ph...	18.93	3.6	ng/ul	365691	4	17.56	2019110	20.0
Phenanthrene, 3,6...	19.22	3.6	ng/ul	361841	4	17.56	2019110	20.0
Phenanthrene, 1,7...	19.26	2.6	ng/ul	261767	4	17.56	2019110	20.0
Phenanthrene, 2,5...	19.34	11.8	ng/ul	1194980	4	17.56	2019110	20.0
9,10-Dimethylanth...	19.40	3.0	ng/ul	300078	4	17.56	2019110	20.0
di-p-Tolylacetylene	19.49	5.8	ng/ul	580705	4	17.56	2019110	20.0
10-Methylanthrace...	20.04	3.3	ng/ul	612143	5	21.88	3669160	20.0
Pyrene, 1-methyl-	20.62	3.3	ng/ul	613591	5	21.88	3669160	20.0