LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022794.D
Acq On : 2 Jul 2016 15:08
Operator : UM/SJ
Sample : H3752-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN1

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-BG063016.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	3.226	65	66	71	rVB5	12776	15730	0.27%	0.026%
2	3.278	71	75	79	rVB3	16813	17764	0.31%	0.029%
3	3.549	115	121	126	rBV7	11520	26348	0.46%	0.043%
4	3.831	165	169	170	rBV4	16210	18972	0.33%	0.031%
5	4.077	206	211	213	rBV4	16428	24117	0.42%	0.039%
6	4.465	275	277	281	rBV4	8431	9625	0.17%	0.016%
7	4.595	296	299	302	rBV4	7477	12289	0.21%	0.020%
8	5.317	419	422	427	rBV6	5795	10667	0.19%	0.017%
9	6.210	570	574	577	rBV5	9600	11444	0.20%	0.019%
10	6.357	595	599	602	rVB5	6854	11238	0.20%	0.018%
11	6.786	668	672	674	rVB4	8375	11113	0.19%	0.018%
12	7.309	754	761	771	rVB	465286	852094	14.82%	1.388%
13	7.473	782	789	798	rBV	346359	592253	10.30%	0.965%
14	7.691	819	826	833	rVV	431689	752509	13.09%	1.226%
15	8.161	897	906	913	rBV	588538	1015306	17.66%	1.654%
16	8.531	966	969	974	rBV4	9076	15360	0.27%	0.025%
17	8.866	1018	1026	1034	rBV	590189	1067543	18.57%	1.739%
18	8.989	1044	1047	1053	rVB2	15748	19875	0.35%	0.032%
19	9.330	1098	1105	1113	rVB	468760	836762	14.55%	1.363%
20	9.712	1167	1170	1175	rBV4	18196	30690	0.53%	0.050%
21	10.059	1222	1229	1238	rVB	442135	795568	13.84%	1.296%
22	10.223	1251	1257	1258	rBV5	9736	11573	0.20%	0.019%
23	10.599	1312	1321	1330	rBV	631109	1168481	20.32%	1.903%
24	10.693	1334	1337	1339	rBV3	8672	9829	0.17%	0.016%
25	10.987	1377	1387	1394	rBV	829277	1548784	26.94%	2.522%
26	11.116	1403	1409	1419	rBV	532528	1036264	18.02%	1.688%
27	12.462	1629	1638	1642	rBV9	9358	25269	0.44%	0.041%
28	12.855	1700	1705	1710	rVB2	35579	64887	1.13%	0.106%
29	13.049	1734	1738	1739	rBV3	12349	12288	0.21%	0.020%
30	13.155	1751	1756	1760	rBV7	9747	20942	0.36%	0.034%
31	13.314	1779	1783	1785	rBV4	6837	10271	0.18%	0.017%
32	13.402	1795	1798	1801	rVB4	12405	17718	0.31%	0.029%
33	13.607	1827	1833	1836	rBV6	13450	24675	0.43%	0.040%
34	13.678	1841	1845	1850	rVB7	18984	32855	0.57%	0.054%

LSC Area Percent Report

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Acq On : 2 Jul 2016 15:08
Operator : UM/SJ
Sample : H3752-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN1

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-BG063016.M
Title : SVOA CALIBRATION

35	13.831	1865	1871	1874	rBV6	18077	32300	0.56%	0.053%
36	13.960	1886	1893	1894	rBV2	37992	52304	0.91%	0.085%
37	14.119	1914	1920	1925	rBV4	77973	152149	2.65%	0.248%
38	14.201	1925	1934	1938	rVV	1338234	2005325	34.88%	3.266%
39	14.242	1938	1941	1949	rVB	183692	263736	4.59%	0.430%
40	14.318	1951	1954	1957	rBV5	8453	12958	0.23%	0.021%
41	14.360	1957	1961	1965	rBV2	32897	46970	0.82%	0.076%
42	14.501	1977	1985	1996	rBV	1295495	2194102	38.16%	3.573%
43	14.612	2002	2004	2009	rVB5	11878	16975	0.30%	0.028%
44	14.671	2011	2014	2022	rVB7	21790	37248	0.65%	0.061%
45	14.806	2027	2037	2043	rVV2	1499219	2546558	44.29%	4.148%
46	14.865	2043	2047	2055	rVB	468595	712365	12.39%	1.160%
47	14.994	2063	2069	2080	rBV	469716	794778	13.82%	1.294%
48	15.200	2098	2104	2110	rVB	217268	356587	6.20%	0.581%
49	15.270	2112	2116	2123	rVV7	23781	42792	0.74%	0.070%
50	15.417	2135	2141	2145	rVB5	26064	40976	0.71%	0.067%
51	15.470	2145	2150	2153	rBV7	23835	32963	0.57%	0.054%
52	15.582	2164	2169	2174	rBV8	23073	56401	0.98%	0.092%
53	15.623	2174	2176	2181	rVB3	37541	49244	0.86%	0.080%
54	15.670	2182	2184	2189	rBV6	9921	16292	0.28%	0.027%
55	15.799	2198	2206	2211	rBV	1835193	2923644	50.85%	4.762%
56	15.852	2211	2215	2219	rVV	292378	423120	7.36%	0.689%
57	15.905	2219	2224	2230	rVV2	479573	697534	12.13%	1.136%
58	16.011	2239	2242	2243	rBV3	19174	20821	0.36%	0.034%
59	16.140	2261	2264	2270	rVB2	53778	80689	1.40%	0.131%
60	16.263	2280	2285	2286	rBV3	37923	52757	0.92%	0.086%
61	16.439	2311	2315	2318	rBV6	18052	28939	0.50%	0.047%
62	16.492	2320	2324	2326	rBV4	48835	69352	1.21%	0.113%
63	16.857	2378	2386	2390	rBV5	75969	151789	2.64%	0.247%
64	16.904	2390	2394	2400	rVV8	28983	58830	1.02%	0.096%
65	17.003	2408	2411	2418	rVB3	48703	70264	1.22%	0.114%
66	17.203	2443	2445	2446	rBV2	20971	16418	0.29%	0.027%
67	17.286	2455	2459	2462	rBV4	78165	103676	1.80%	0.169%
68	17.380	2471	2475	2479	rVB	89790	141988	2.47%	0.231%
69	17.556	2499	2505	2509	rBV2	2034223	3180531	55.31%	5.180%
70	17.603	2509	2513	2517	rVB	1243780	1788695	31.11%	2.913%
71	17.656	2517	2522	2526	rBV	1964640	2990965	52.02%	4.871%

LSC Area Percent Report

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Sample : H3752-18
Misc :
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Instrument : BNA_G
ClientSampleId : BDHN1

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Title : SVOA CALIBRATION

72	18.073	2590	2593	2597	rBV5	37287	51547	0.90%	0.084%
73	18.132	2601	2603	2604	rBV2	25117	19666	0.34%	0.032%
74	18.273	2625	2627	2634	rVB6	20351	33758	0.59%	0.055%
75	18.431	2649	2654	2659	rBV3	281522	497547	8.65%	0.810%
76	18.478	2659	2662	2669	rVB2	188891	282307	4.91%	0.460%
77	18.560	2672	2676	2682	rVV2	125756	189700	3.30%	0.309%
78	18.631	2682	2688	2699	rVB3	473098	1010186	17.57%	1.645%
79	18.925	2733	2738	2742	rBV	133513	203805	3.54%	0.332%
80	19.219	2785	2788	2791	rBV5	46036	54952	0.96%	0.089%
81	19.336	2804	2808	2814	rBV2	119704	198693	3.46%	0.324%
82	19.606	2848	2854	2860	rVB	2399443	3404032	59.20%	5.544%
83	19.694	2866	2869	2874	rVB7	73965	114286	1.99%	0.186%
84	19.753	2875	2879	2883	rVV	169529	217989	3.79%	0.355%
85	19.941	2904	2911	2913	rBV2	2776729	4395356	76.44%	7.159%
86	20.029	2923	2926	2933	rVB2	102800	158894	2.76%	0.259%
87	20.141	2941	2945	2950	rVB	129466	197758	3.44%	0.322%
88	20.282	2964	2969	2975	rBV4	140095	338975	5.90%	0.552%
89	20.452	2994	2998	3003	rVB	546452	757433	13.17%	1.234%
90	20.552	3011	3015	3019	rBV2	506919	691460	12.03%	1.126%
91	20.752	3046	3049	3053	rBV	82802	119808	2.08%	0.195%
92	21.428	3160	3164	3167	rBV	133884	188014	3.27%	0.306%
93	21.469	3167	3171	3175	rVB3	179504	267916	4.66%	0.436%
94	21.716	3211	3213	3220	rVB3	116513	163622	2.85%	0.266%
95	21.857	3229	3237	3243	rBV3	2456346	5749964	100.00%	9.365%
96	21.904	3243	3245	3258	rVB	712370	1154455	20.08%	1.880%
97	24.160	3622	3629	3637	rBV2	463774	1499709	26.08%	2.443%
98	24.918	3754	3758	3764	rBV2	207109	421145	7.32%	0.686%
99	25.006	3765	3773	3780	rBV2	1056863	2889972	50.26%	4.707%
100	25.235	3803	3812	3822	rBV2	1275611	3732288	64.91%	6.079%

Sum of corrected areas: 61399375

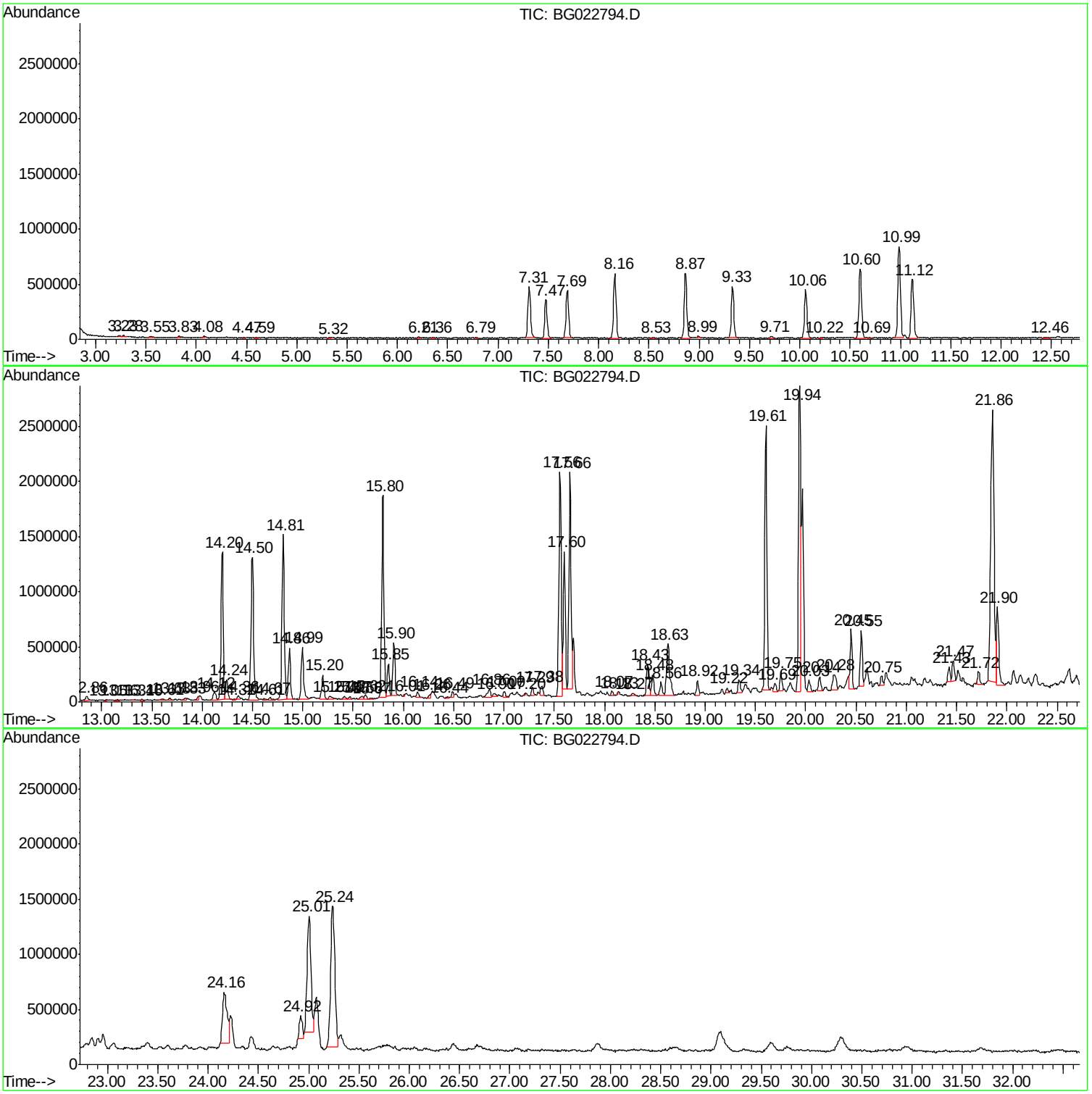
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022794.D
Acq On : 2 Jul 2016 15:08
Operator : UM/SJ
Sample : H3752-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDHN1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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



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Operator : UM/SJ
Sample : H3752-18
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Instrument : BNA_G
ClientSampleId : BDHN1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

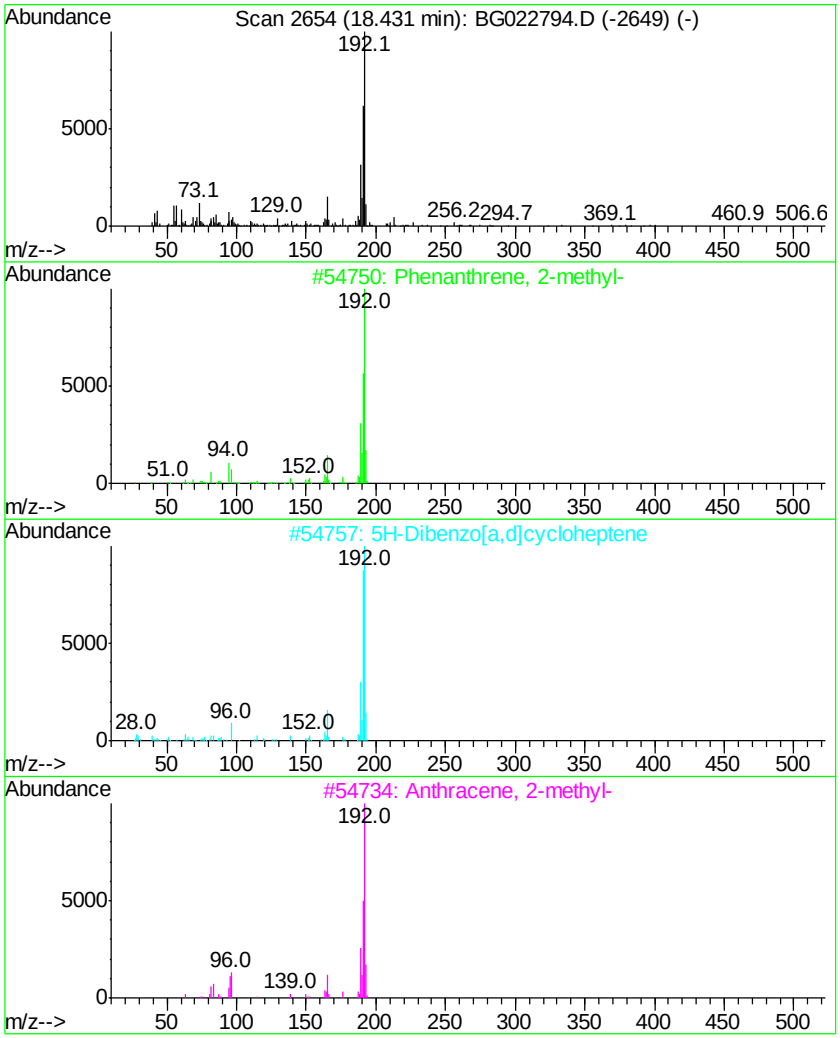
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

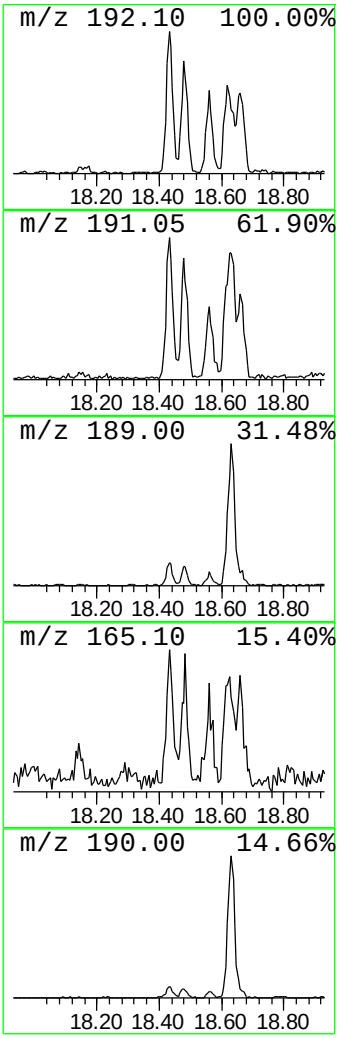
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	3.13 ng/ul	497547	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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Data File : BG022794.D
Acq On : 2 Jul 2016 15:08
Operator : UM/SJ
Sample : H3752-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

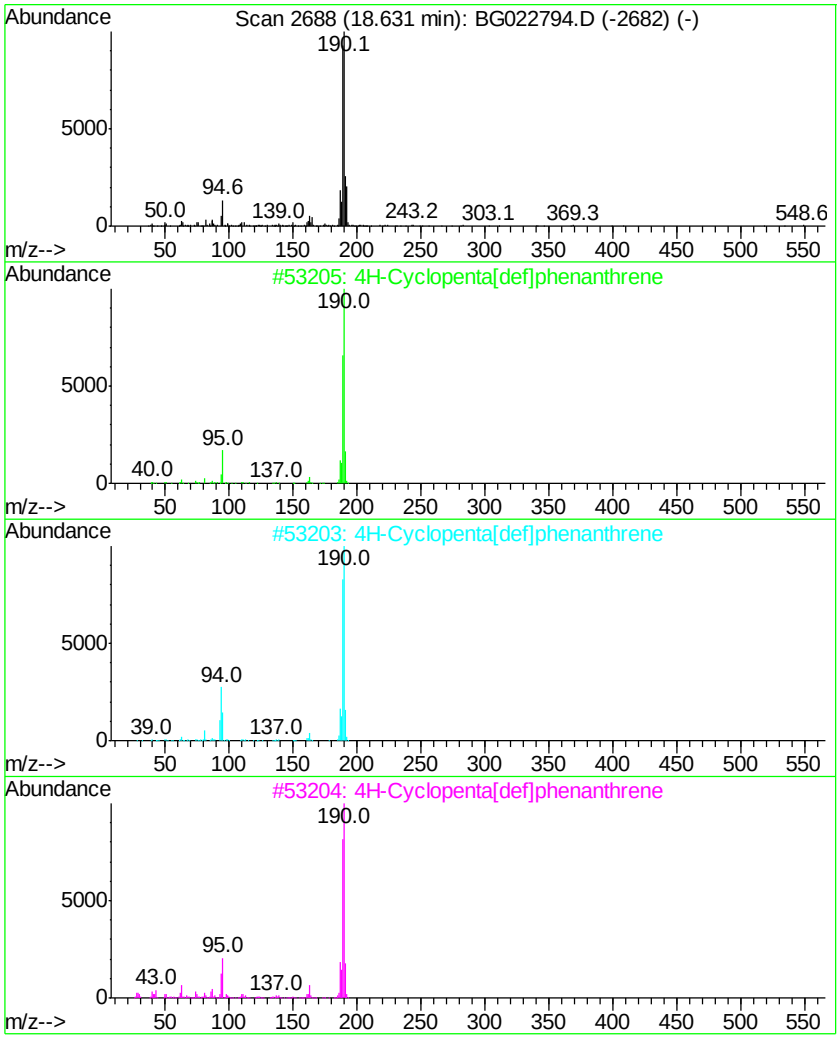
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

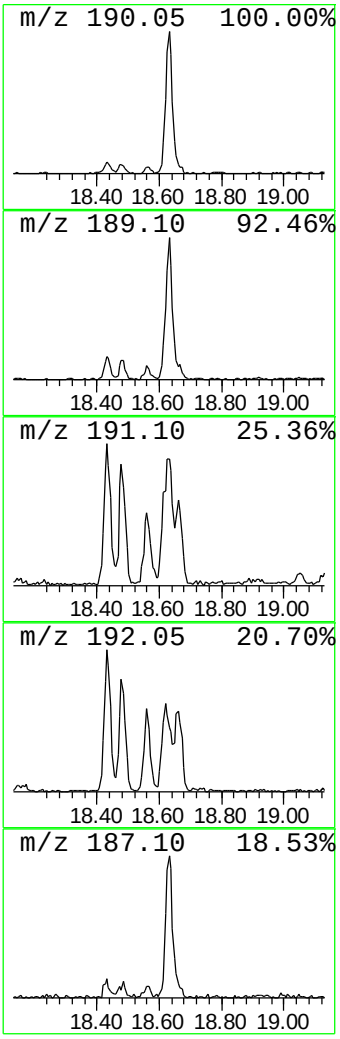
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	6.35 ng/ul	1010190	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36





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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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

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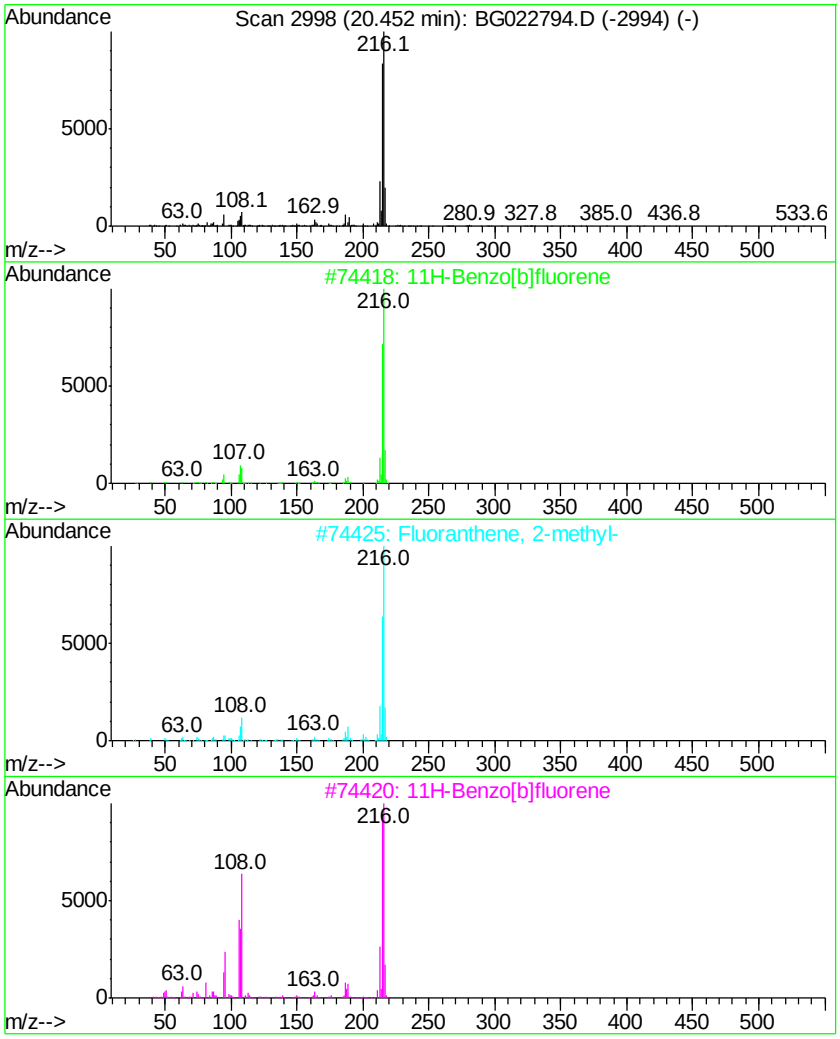
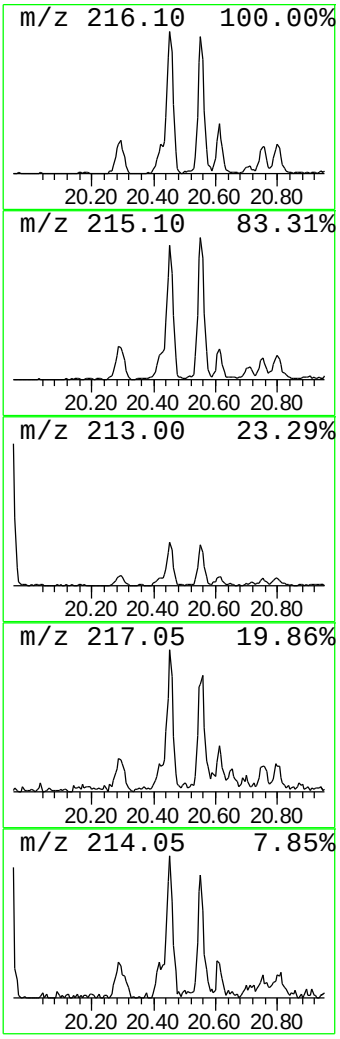
Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	2.63 ng/ul	757433	Chrysene-d12	21.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Sample : H3752-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

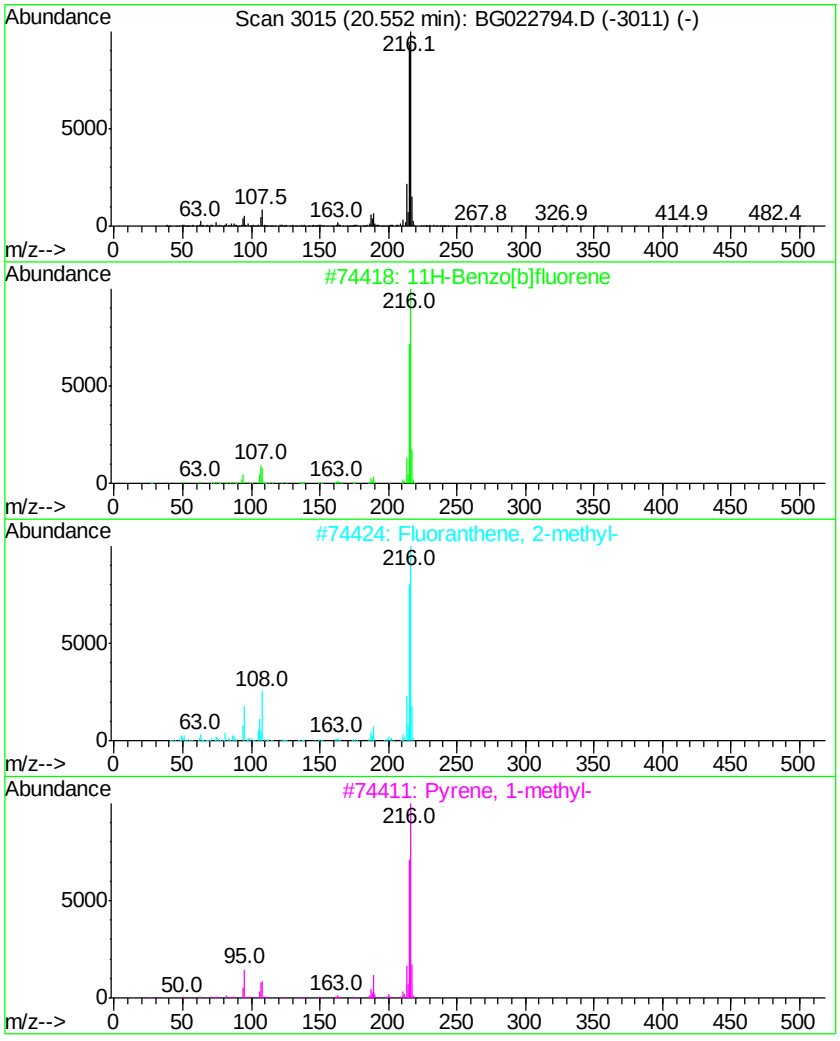
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

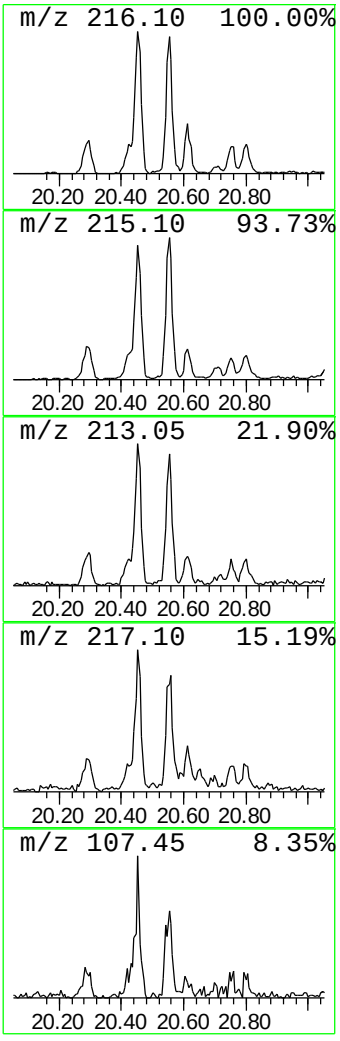
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	2.41 ng/ul	691460	Chrysene-d12	21.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : H3752-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

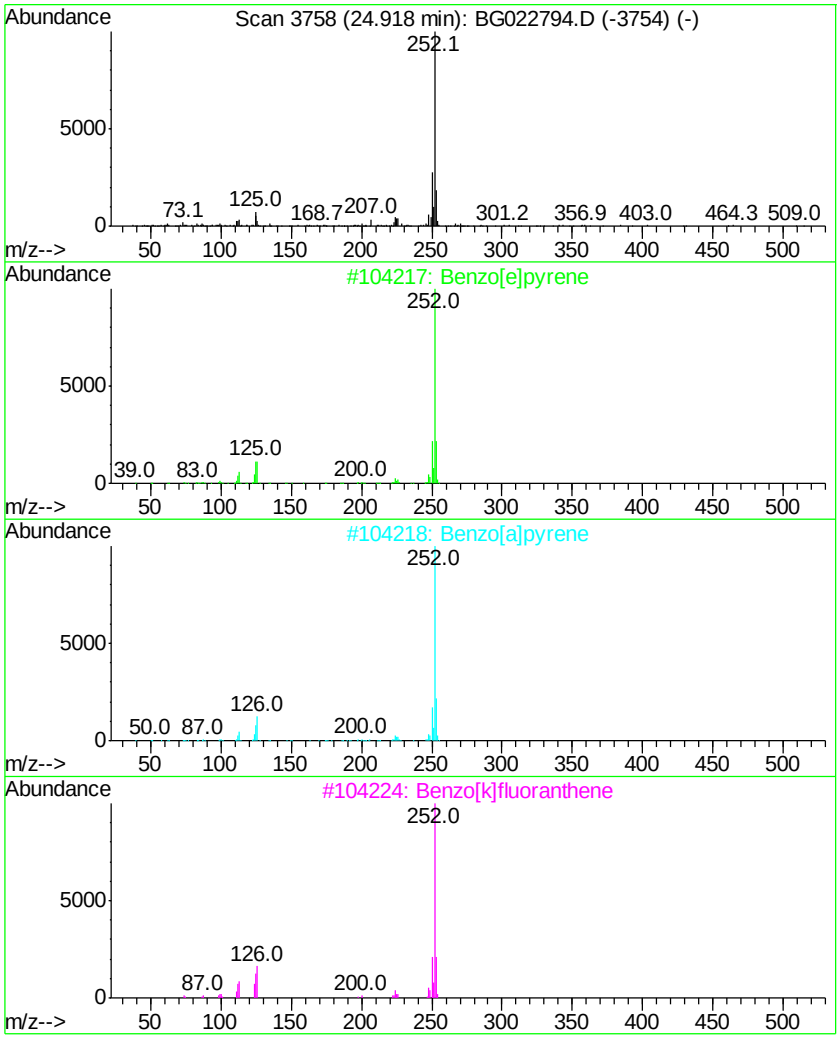
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

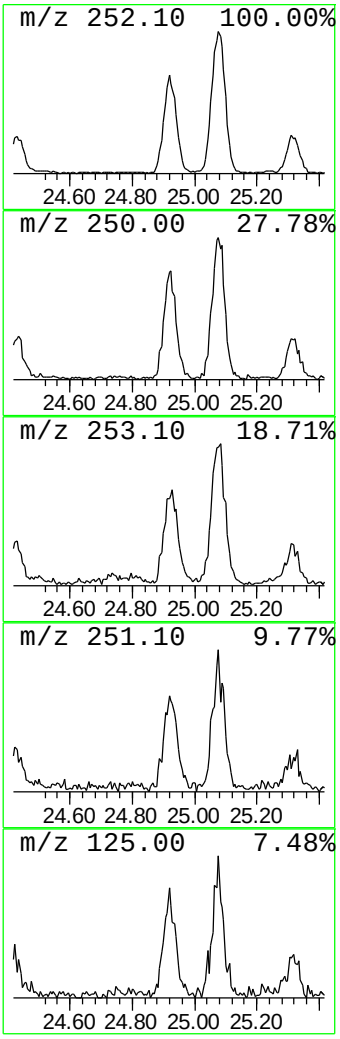
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.92	2.26 ng/ul	421145	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benzo[a]pyrene	252	C20H12	000050-32-8	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
4	Perylene	252	C20H12	000198-55-0	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74





Tentatively Identified Compound (LSC) summary

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Data File : BG022794.D
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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.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
Phenanthrene, 2-m...	18.43	3.1	ng/ul	497547	4	17.56	3180530	20.0
4H-Cyclopenta[def...	18.63	6.3	ng/ul	1010190	4	17.56	3180530	20.0
11H-Benzo[b]fluorene	20.45	2.6	ng/ul	757433	5	21.86	5749960	20.0
Fluoranthene, 2-m...	20.55	2.4	ng/ul	691460	5	21.86	5749960	20.0
Benzo[e]pyrene	24.92	2.3	ng/ul	421145	6	25.23	3732290	20.0