LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.152	8	11	20	rVB2	95769	209742	3.54%	0.248%
2	3.234	20	25	30	rBV	101948	163340	2.75%	0.193%
3	5.156	346	352	360	rBV	181882	306001	5.16%	0.362%
4	5.620	424	431	443	rBV	855242	1420936	23.96%	1.681%
5	7.200	692	700	711	rBV	887560	1590148	26.81%	1.881%
6	8.052	838	845	852	rBV	492518	852287	14.37%	1.008%
7	8.375	887	900	907	rBV	694844	1230066	20.74%	1.455%
8	9.204	1030	1041	1052	rBV	560423	1051206	17.72%	1.244%
9	10.861	1315	1323	1329	rBV	642725	1214874	20.48%	1.437%
10	12.512	1597	1604	1612	rVB2	60225	112069	1.89%	0.133%
11	12.735	1630	1642	1648	rBV	233179	434303	7.32%	0.514%
12	13.311	1733	1740	1747	rVB	1383676	2244467	37.84%	2.655%
13	13.522	1771	1776	1781	rVB4	59478	94344	1.59%	0.112%
14	13.863	1824	1834	1840	rBV4	170648	445492	7.51%	0.527%
15	14.010	1850	1859	1864	rBV	337021	623228	10.51%	0.737%
16	14.063	1864	1868	1875	rVB2	121786	196835	3.32%	0.233%
17	14.133	1875	1880	1887	rBV2	185073	296417	5.00%	0.351%
18	14.245	1892	1899	1902	rBV	178811	306446	5.17%	0.363%
19	14.410	1919	1927	1936	rBV	238781	450412	7.59%	0.533%
20	14.686	1964	1974	1980	rVV2	1023336	1760759	29.69%	2.083%
21	14.750	1980	1985	1992	rVV	296051	523256	8.82%	0.619%
22	14.903	2004	2011	2019	rVV3	108094	266321	4.49%	0.315%
23	14.979	2019	2024	2031	rVV5	65738	140473	2.37%	0.166%
24	15.085	2031	2042	2049	rVV	301499	607442	10.24%	0.719%
25	15.162	2049	2055	2060	rVB	195058	297829	5.02%	0.352%
26	15.303	2071	2079	2084	rBV3	186150	402901	6.79%	0.477%
27	15.355	2084	2088	2094	rVB	125395	193978	3.27%	0.229%
28	15.473	2100	2108	2112	rBV6	121847	329277	5.55%	0.390%
29	15.549	2118	2121	2127	rBV3	62327	84367	1.42%	0.100%
30	15.643	2129	2137	2141	rBV4	93350	208008	3.51%	0.246%
31	15.732	2146	2152	2157	rBV3	545460	872848	14.72%	1.033%
32	15.855	2164	2173	2177	rBV4	153216	343791	5.80%	0.407%
33	15.890	2177	2179	2185	rVV5	113277	184250	3.11%	0.218%
34	15.943	2185	2188	2193	rVV4	108892	199949	3.37%	0.237%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.025	2197	2202	2211	rVB3	153132	368115	6.21%	0.435%
36	16.166	2220	2226	2236	rVB2	1109733	1971799	33.24%	2.333%
37	16.254	2236	2241	2245	rBV4	57116	117307	1.98%	0.139%
38	16.413	2263	2268	2272	rBV3	119623	178027	3.00%	0.211%
39	16.548	2286	2291	2295	rBV3	80754	134193	2.26%	0.159%
40	16.736	2314	2323	2328	rBV3	279043	668884	11.28%	0.791%
41	16.783	2328	2331	2338	rVB3	229910	347326	5.86%	0.411%
42	16.889	2344	2349	2354	rVB2	212204	347095	5.85%	0.411%
43	16.948	2354	2359	2360	rBV3	73093	101315	1.71%	0.120%
44	17.095	2381	2384	2390	rVB5	61377	107052	1.80%	0.127%
45	17.165	2392	2396	2401	rBV3	80385	147291	2.48%	0.174%
46	17.247	2406	2410	2420	rVB2	304695	547688	9.23%	0.648%
47	17.430	2435	2441	2444	rBV	1148606	1784419	30.09%	2.111%
48	17.477	2444	2449	2456	rVV	2517874	4033104	68.00%	4.771%
49	17.565	2459	2464	2469	rVB	583376	847713	14.29%	1.003%
50	17.623	2469	2474	2479	rBV3	208835	405105	6.83%	0.479%
51	17.676	2479	2483	2485	rBV2	76688	88253	1.49%	0.104%
52	17.829	2505	2509	2513	rBV2	91293	187808	3.17%	0.222%
53	17.952	2526	2530	2534	rBV2	121084	179593	3.03%	0.212%
54	18.011	2535	2540	2549	rVB	342573	542593	9.15%	0.642%
55	18.158	2560	2565	2571	rVB	237813	428597	7.23%	0.507%
56	18.234	2573	2578	2581	rVV3	61524	108067	1.82%	0.128%
57	18.311	2585	2591	2595	rVV	925902	1631399	27.51%	1.930%
58	18.358	2595	2599	2605	rVB	1142725	1732435	29.21%	2.049%
59	18.434	2606	2612	2617	rBV2	368670	650408	10.97%	0.769%
60	18.499	2617	2623	2627	rVV2	1376349	2714141	45.76%	3.211%
61	18.540	2627	2630	2637	rVB	788323	1152805	19.44%	1.364%
62	18.640	2644	2647	2653	rVV5	60032	95245	1.61%	0.113%
63	18.705	2653	2658	2662	rVB3	147647	235474	3.97%	0.279%
64	18.804	2670	2675	2678	rBV2	434743	620564	10.46%	0.734%
65	18.934	2693	2697	2700	rBV4	98647	188998	3.19%	0.224%
66	19.022	2708	2712	2714	rBV2	149680	220465	3.72%	0.261%
67	19.051	2714	2717	2721	rVB	238444	306126	5.16%	0.362%
68	19.098	2721	2725	2729	rBV	307152	408747	6.89%	0.484%
69	19.139	2729	2732	2736	rVB2	261656	346045	5.83%	0.409%
70	19.222	2740	2746	2751	rBV	887219	1545856	26.06%	1.829%
71	19.280	2751	2756	2760	rBV3	411474	786502	13.26%	0.930%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.357	2765	2769	2771	rBV	315278	460287	7.76%	0.545%
73	19.480	2785	2790	2797	rBV	2853990	4246433	71.60%	5.023%
74	19.545	2797	2801	2804	rBV	248295	367048	6.19%	0.434%
75	19.580	2804	2807	2811	rVB3	231157	313702	5.29%	0.371%
76	19.721	2827	2831	2835	rBV	253224	398529	6.72%	0.471%
77	19.844	2842	2852	2860	rBV	3280762	5931178	100.00%	7.016%
78	19.921	2861	2865	2870	rVB3	362010	574309	9.68%	0.679%
79	19.974	2871	2874	2876	rBV4	103290	137466	2.32%	0.163%
80	20.044	2878	2886	2890	rBV	2096615	2938252	49.54%	3.476%
81	20.168	2902	2907	2917	rVB5	420298	1050094	17.70%	1.242%
82	20.256	2919	2922	2925	rVV3	140618	188665	3.18%	0.223%
83	20.332	2925	2935	2940	rVB	877719	1926905	32.49%	2.279%
84	20.432	2948	2952	2956	rVB	629798	837877	14.13%	0.991%
85	20.491	2958	2962	2967	rBV2	646693	921920	15.54%	1.091%
86	20.632	2982	2986	2990	rBV	548455	740390	12.48%	0.876%
87	20.673	2990	2993	2998	rVB	585306	776929	13.10%	0.919%
88	20.931	3033	3037	3040	rBV3	182206	315480	5.32%	0.373%
89	21.284	3094	3097	3101	rVB	257618	356574	6.01%	0.422%
90	21.325	3101	3104	3108	rVB	228382	289570	4.88%	0.343%
91	21.366	3108	3111	3117	rBV3	361076	587387	9.90%	0.695%
92	21.689	3160	3166	3173	rBV3	1739377	4601443	77.58%	5.443%
93	21.748	3173	3176	3189	rVB	1286790	2446672	41.25%	2.894%
94	21.907	3199	3203	3209	rBV4	200084	445822	7.52%	0.527%
95	22.512	3302	3306	3310	rVB	260049	400802	6.76%	0.474%
96	22.712	3336	3340	3344	rBV2	208893	343179	5.79%	0.406%
97	23.910	3536	3544	3552	rBV2	663759	2266847	38.22%	2.682%
98	24.627	3660	3666	3678	rVB	482388	1407519	23.73%	1.665%
99	24.774	3684	3691	3701	rVB	725950	1968068	33.18%	2.328%
100	24.927	3710	3717	3725	rBV2	552453	1359327	22.92%	1.608%

Sum of corrected areas: 84533290

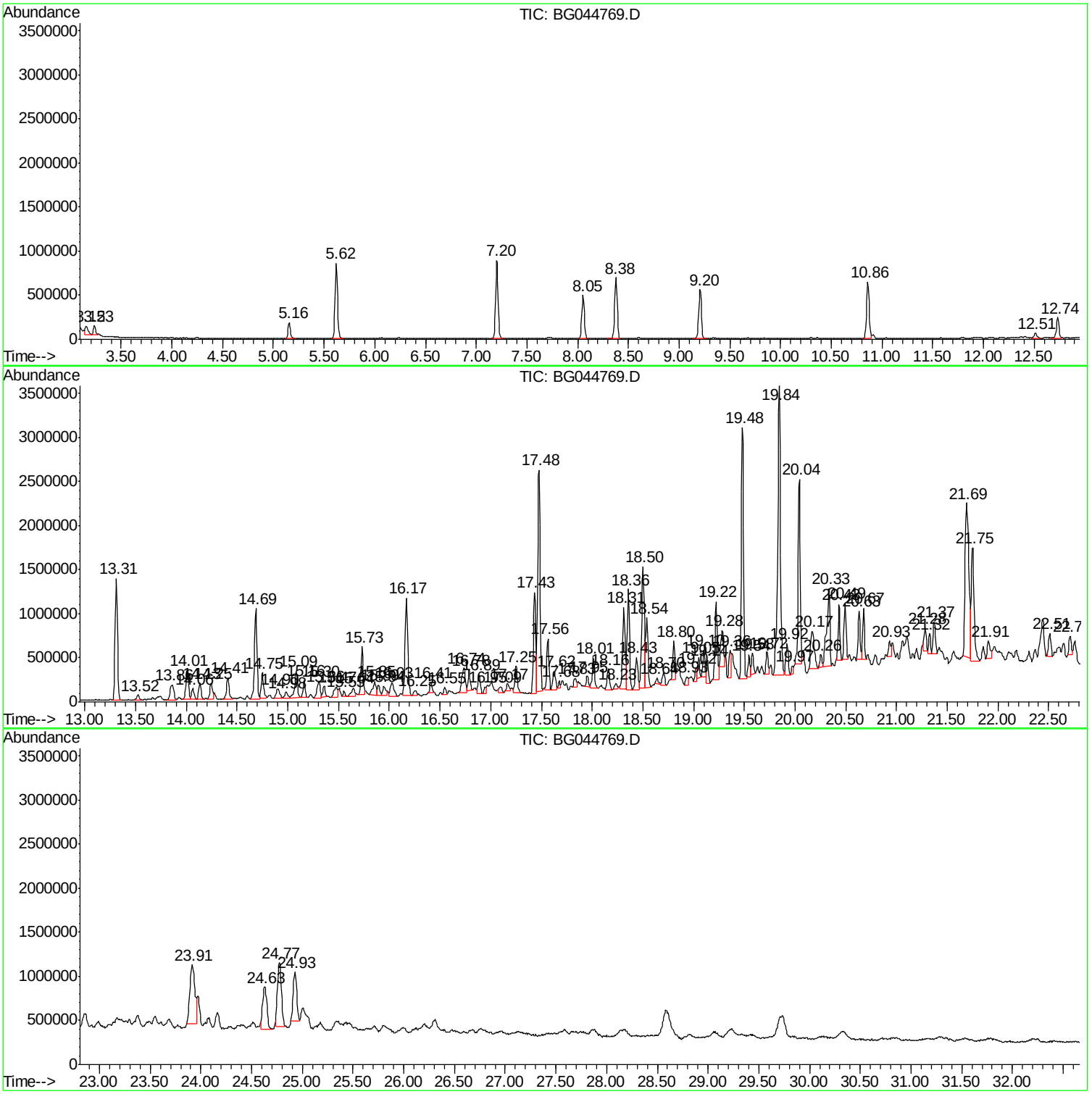
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

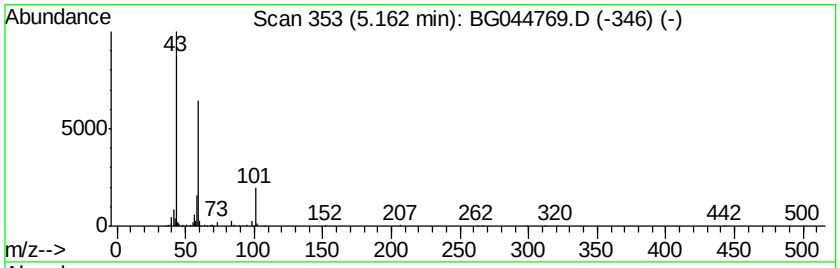
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

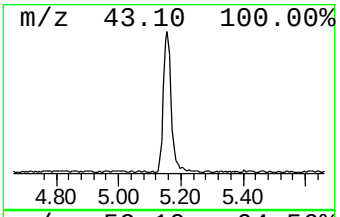
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

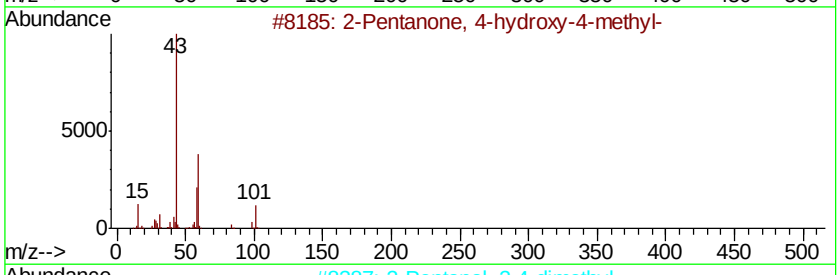
****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

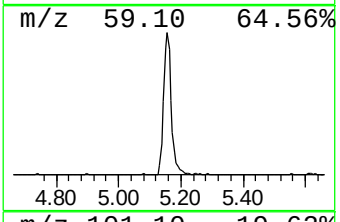
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	7.18 ng	306001	1,4-Dichlorobenzene-d4	8.05

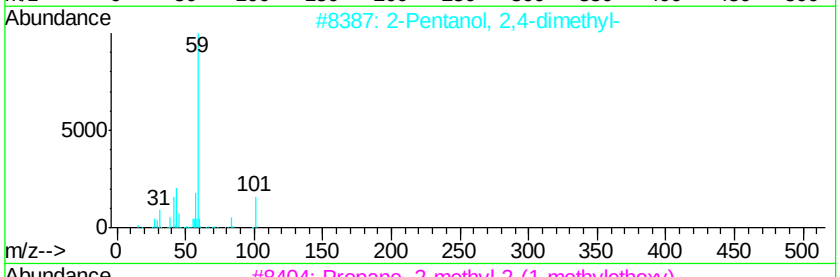
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	38
4	Tetraglyme	222	C10H22O5	000143-24-8	33
5	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	32

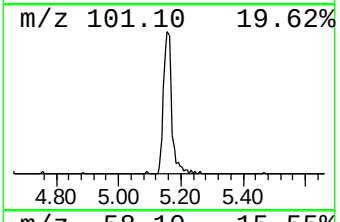


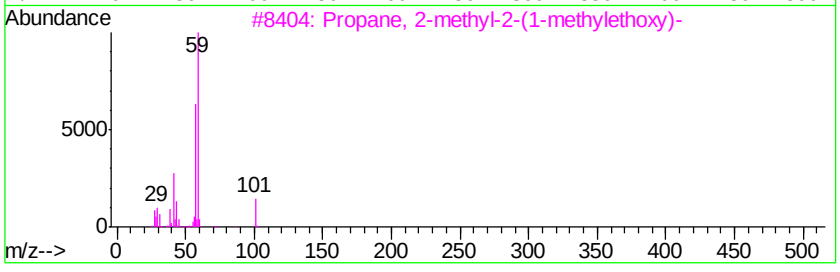


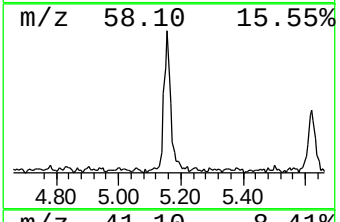


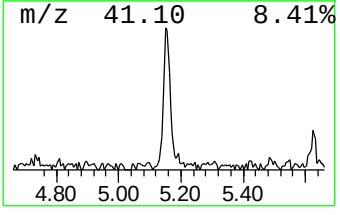












Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

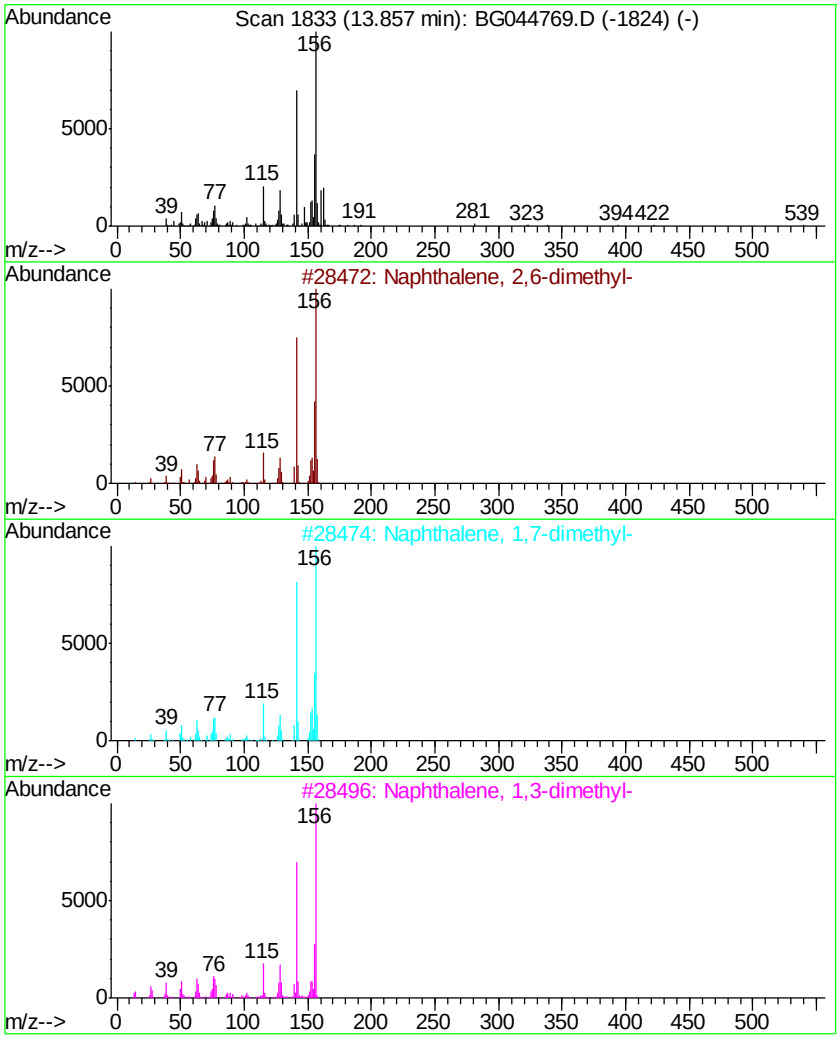
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

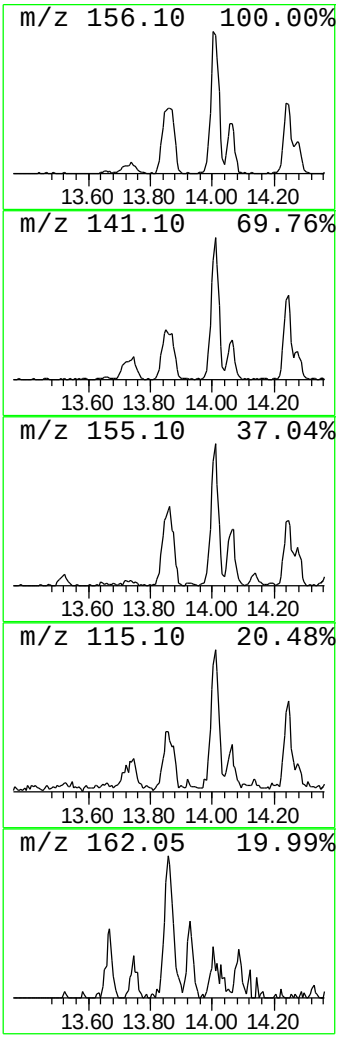
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	5.06 ng	445492	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

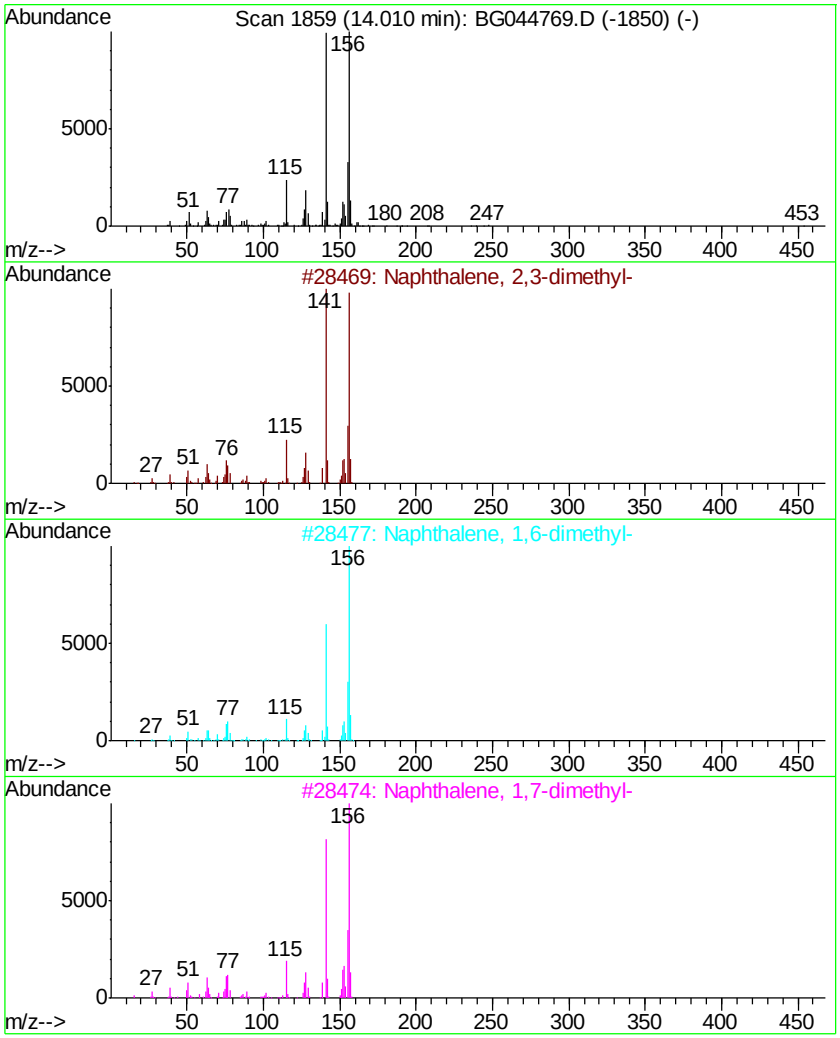
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

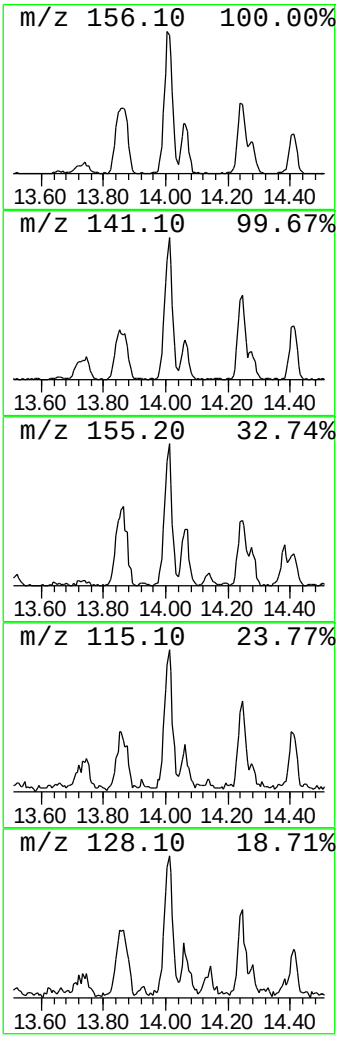
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	7.08 ng	623228	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

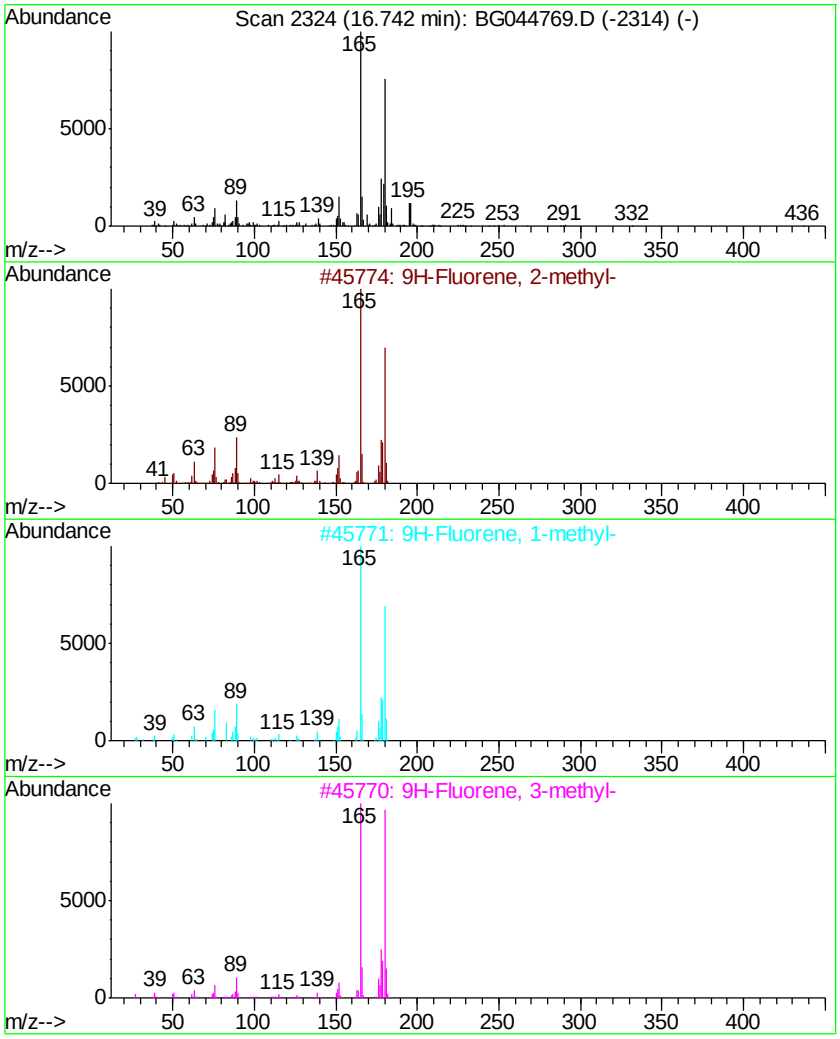
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

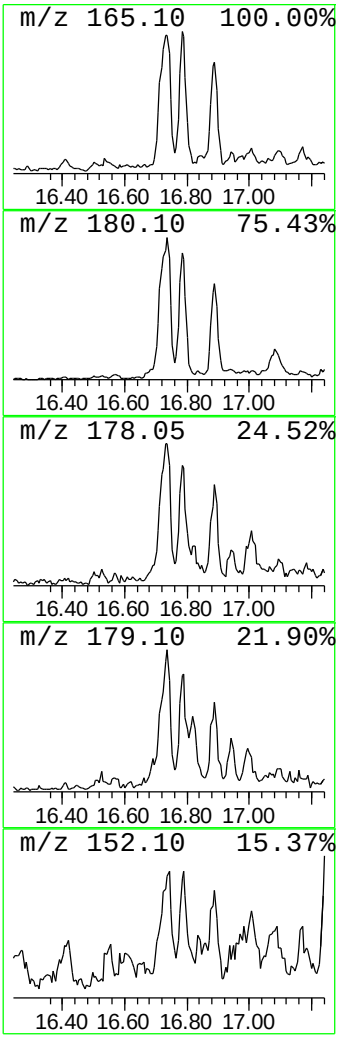
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	7.50 ng	668884	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Library Search Compound Report

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Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

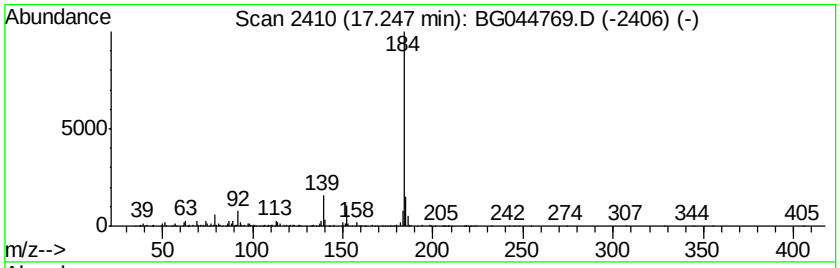
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

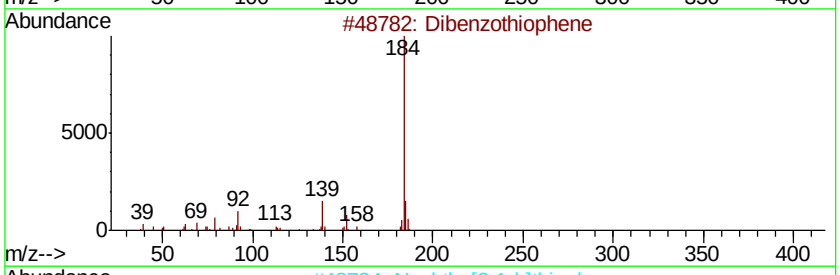
****

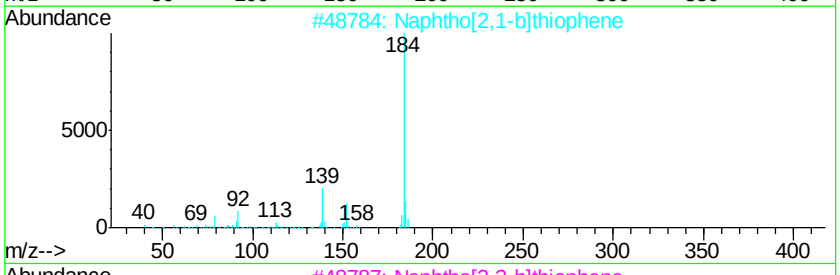
Peak Number 7 Dibenzothiophene Concentration Rank 15

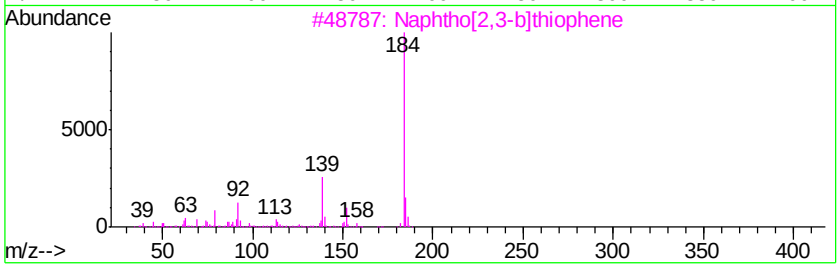
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	6.14 ng	547688	Phenanthrene-d10	17.43

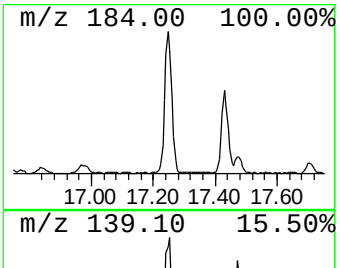
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91

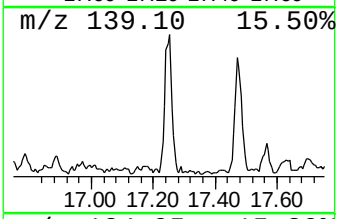


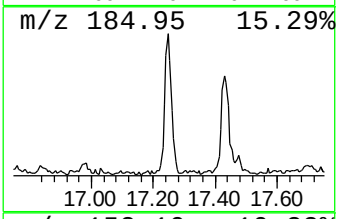


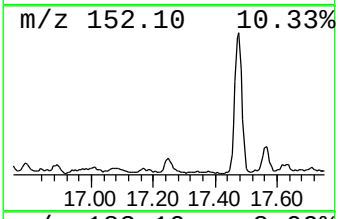


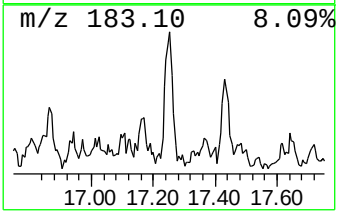












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Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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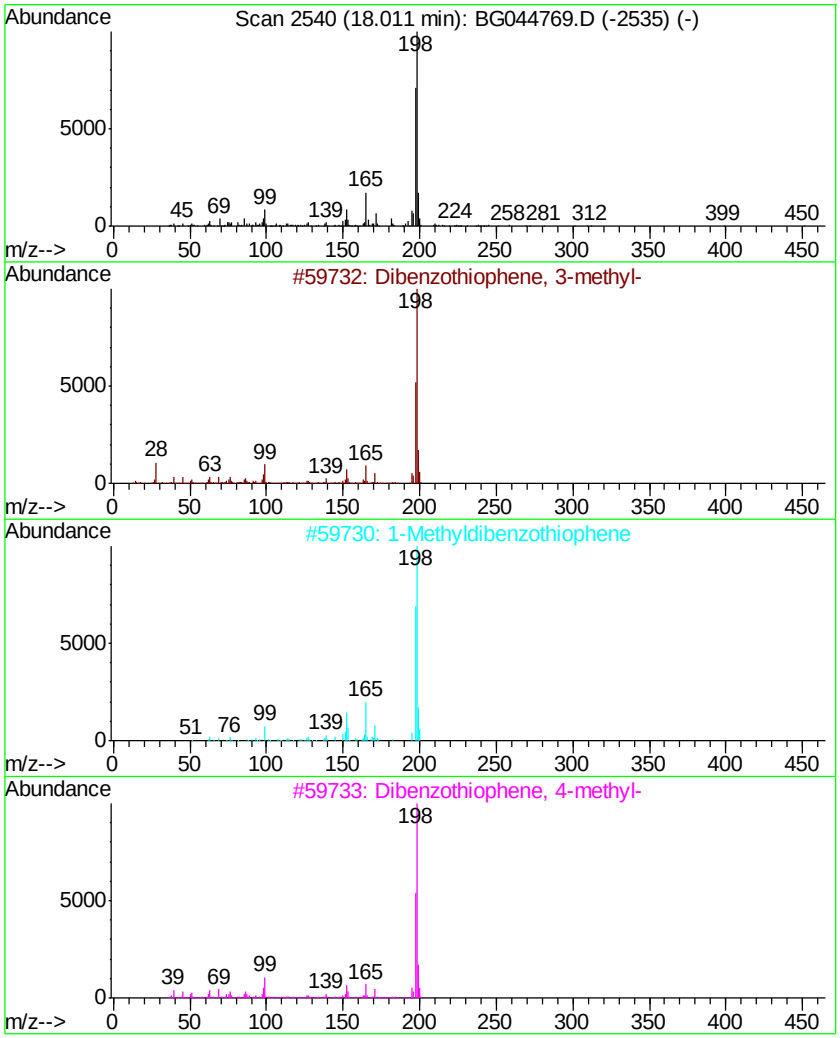
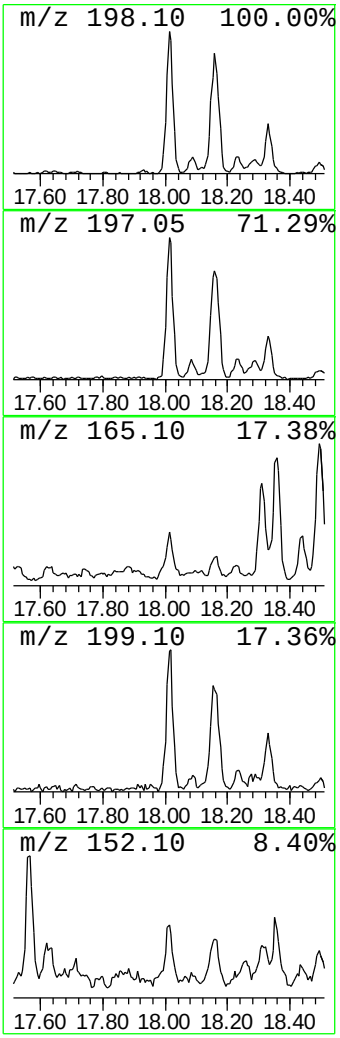
Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	6.08 ng	542593	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
4	Tacrine	198	C13H14N2	000321-64-2	72
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64





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Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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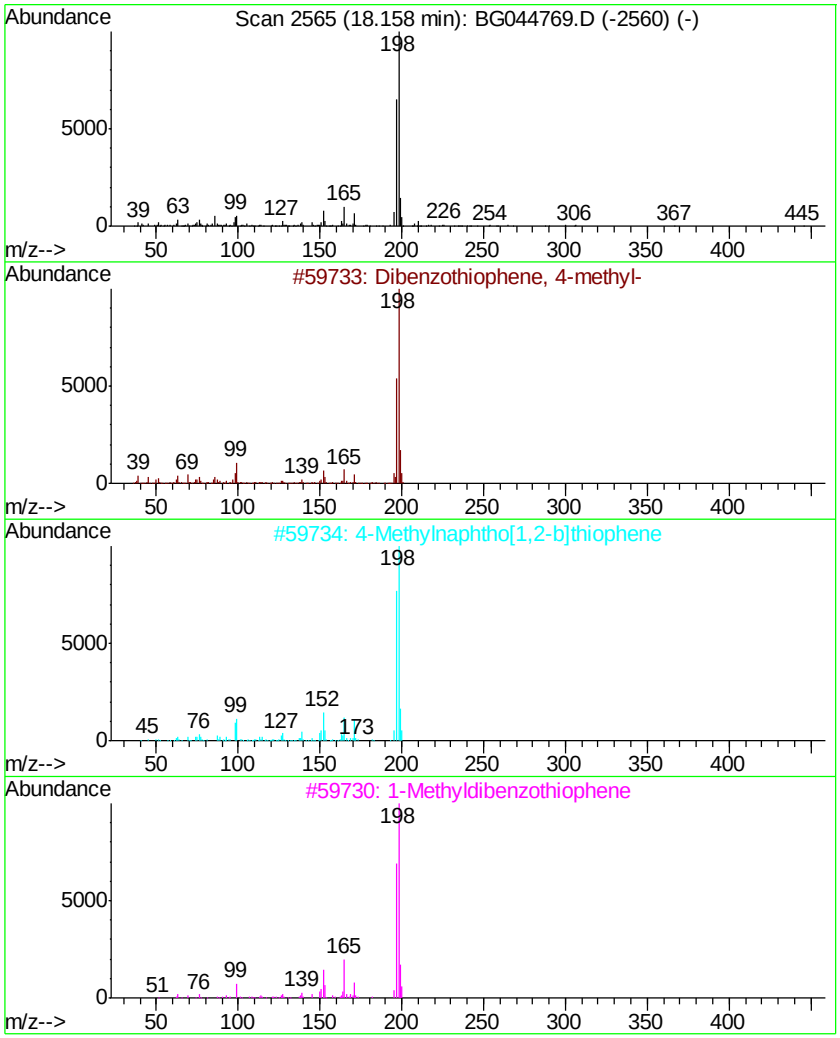
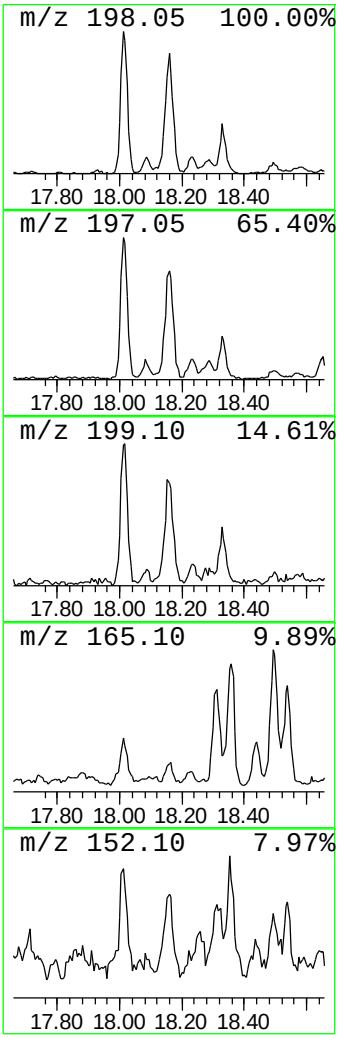
Peak Number 9 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	4.80 ng	428597	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
5	Tacrine	198	C13H14N2	000321-64-2	80





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Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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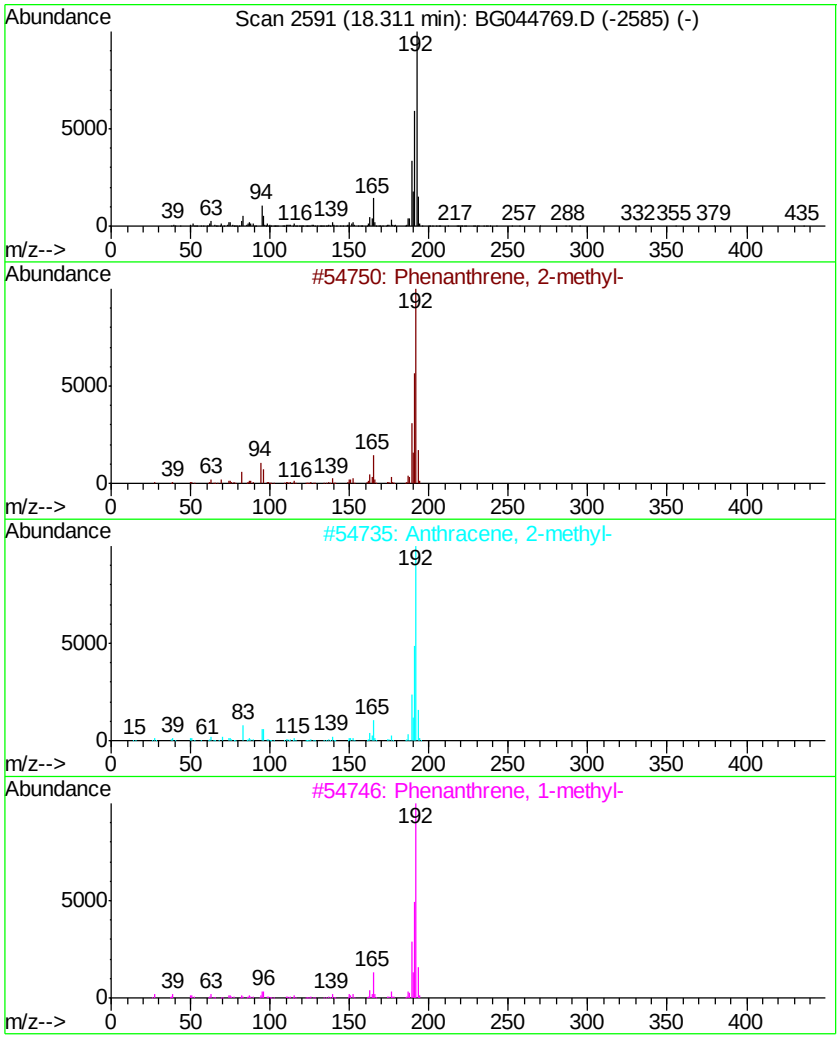
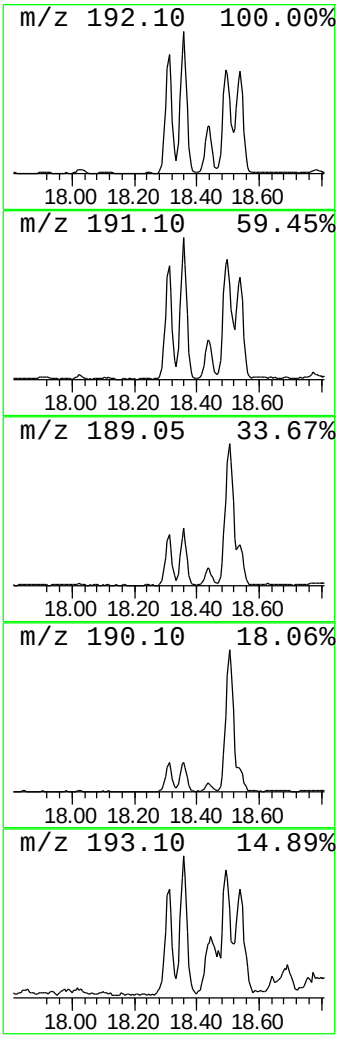
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	18.28 ng	1631400	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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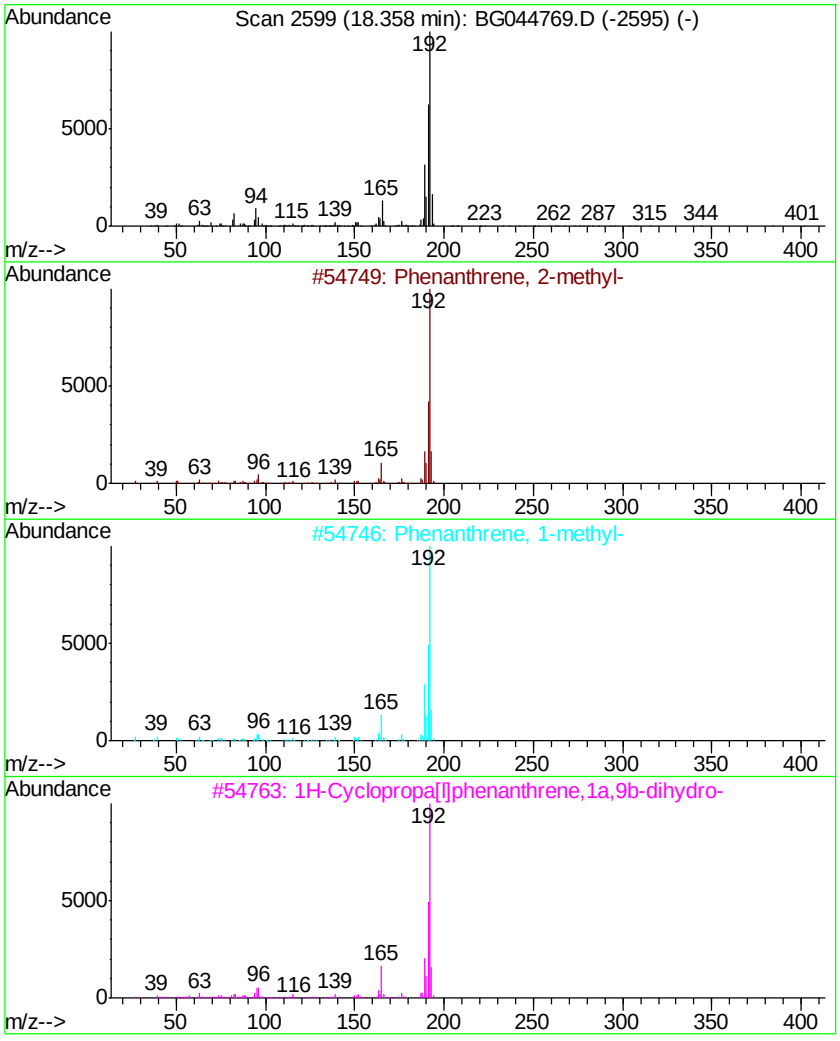
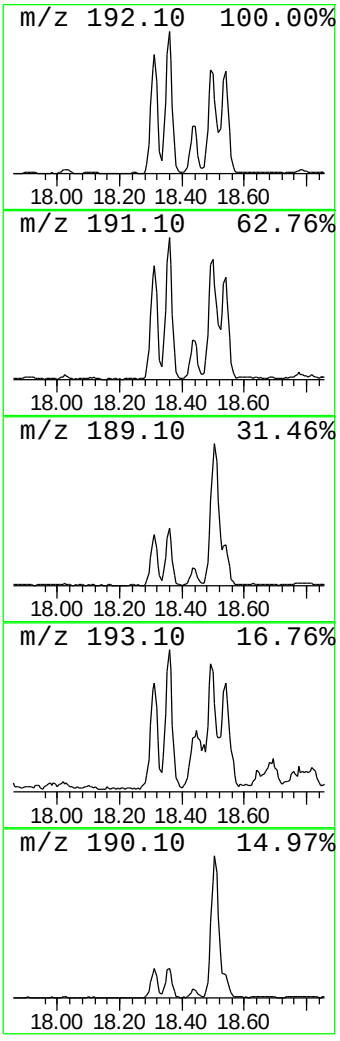
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	19.42 ng	1732440	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Library Search Compound Report

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Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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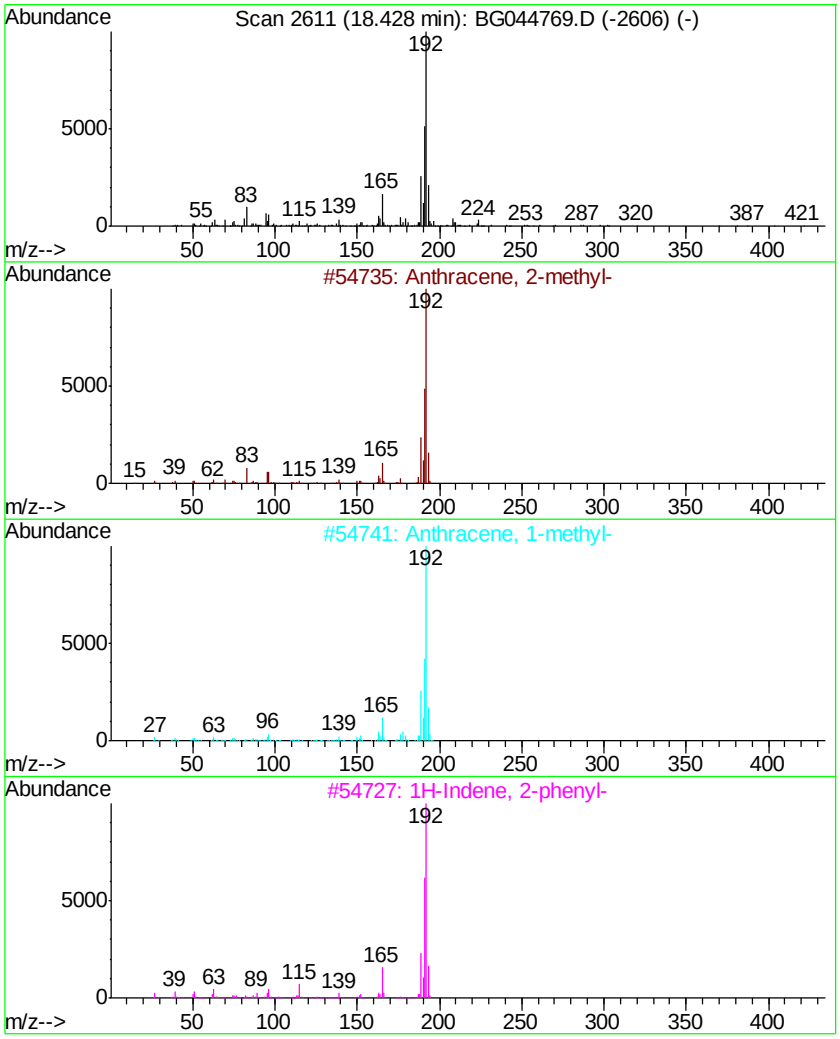
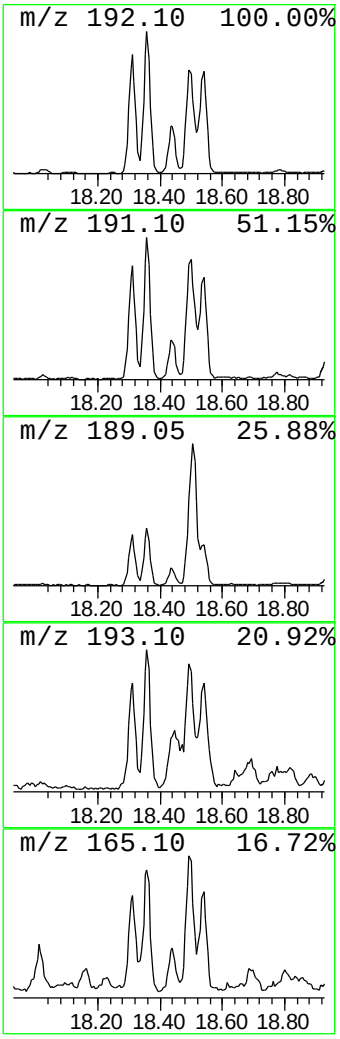
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	7.29 ng	650408	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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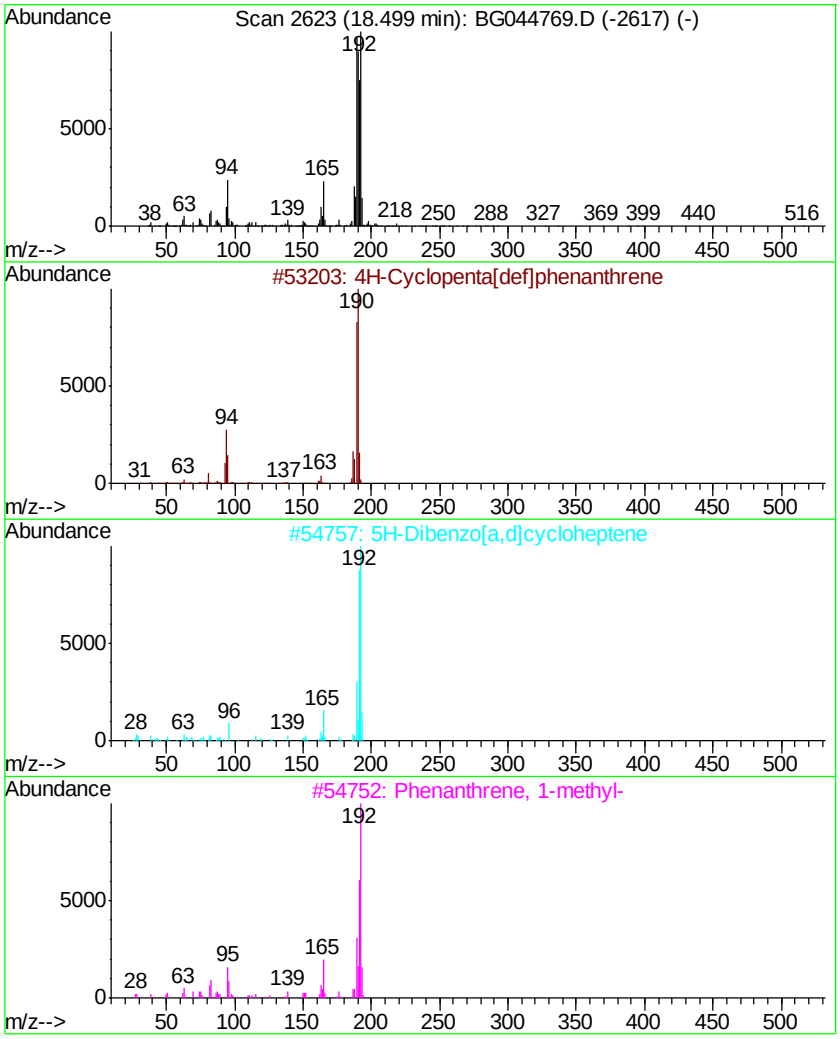
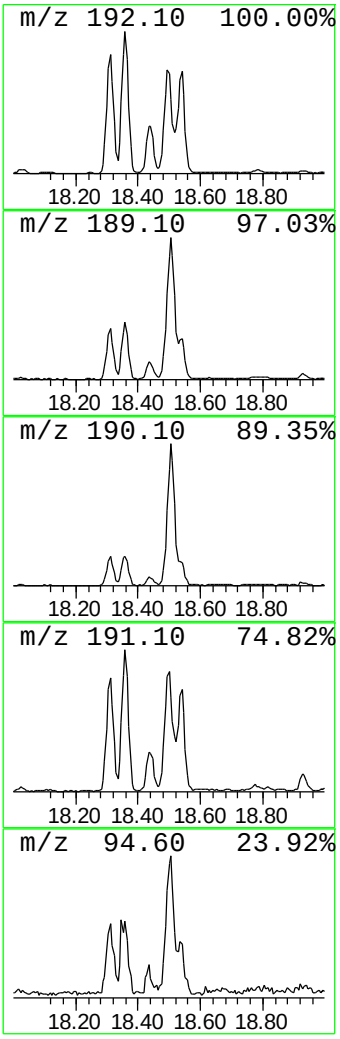
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	30.42 ng	2714140	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	46





Library Search Compound Report

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Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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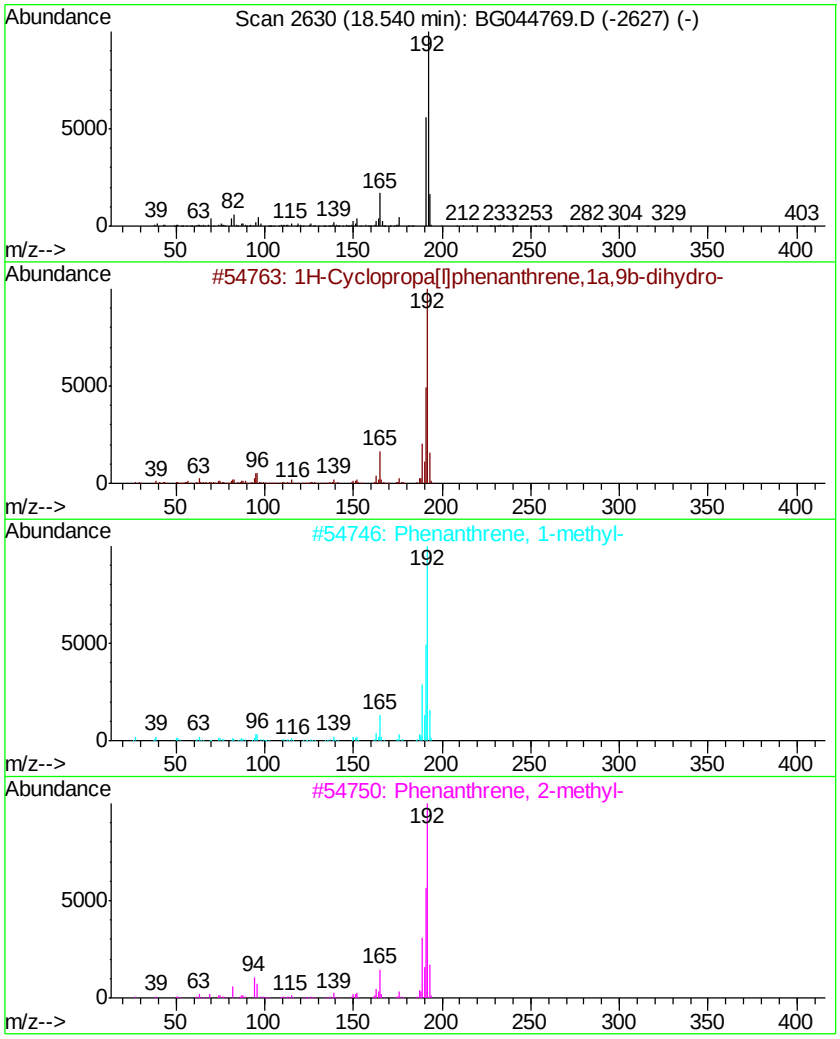
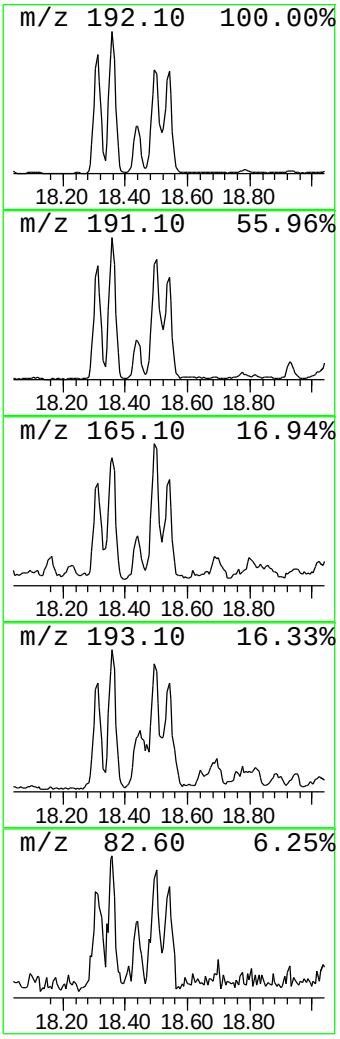
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	12.92 ng	1152810	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

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Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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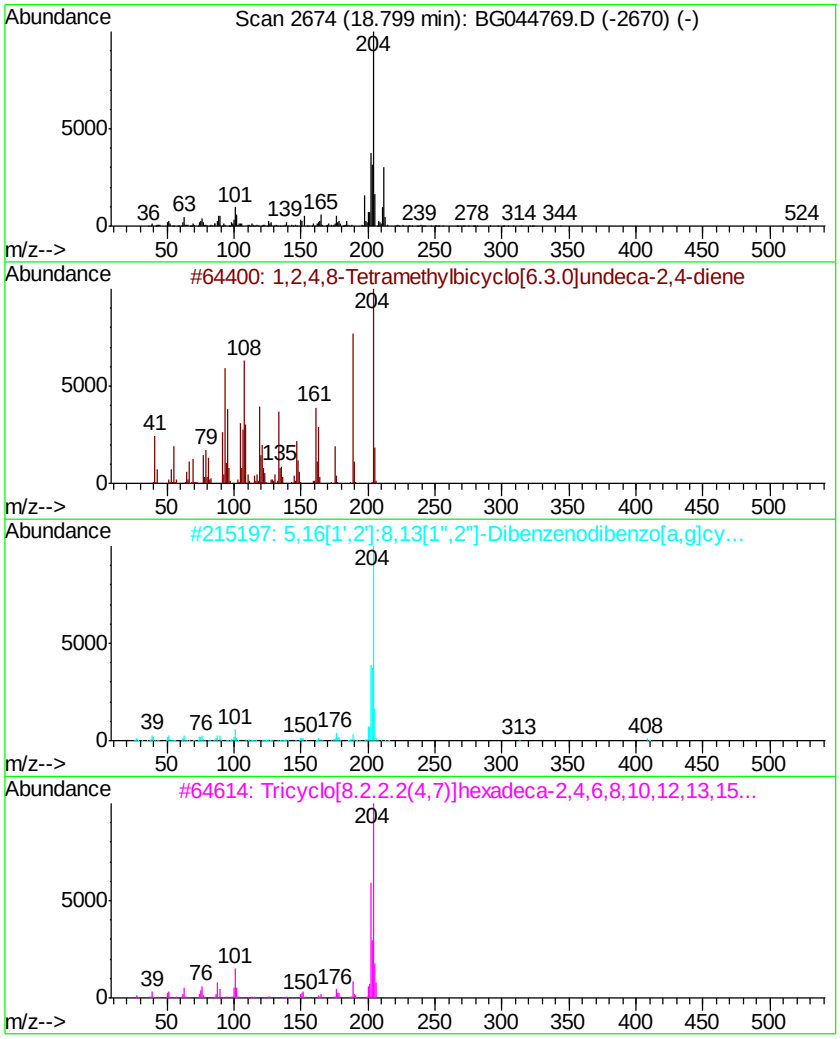
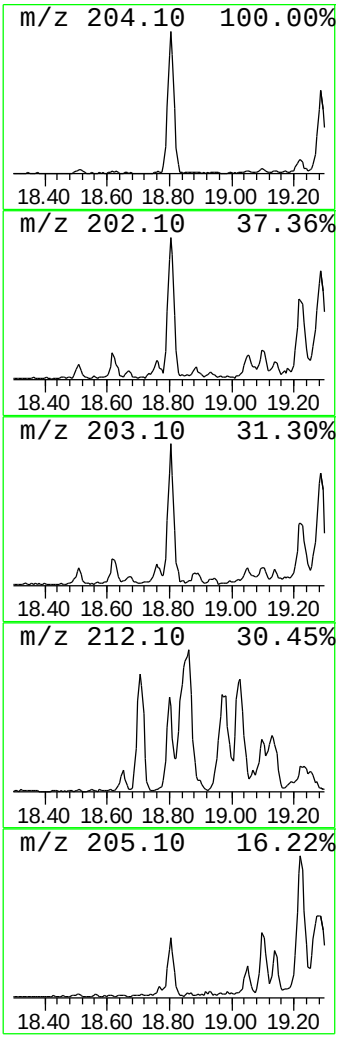
Peak Number 15 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	6.96 ng	620564	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Sample : L1759-06 2X
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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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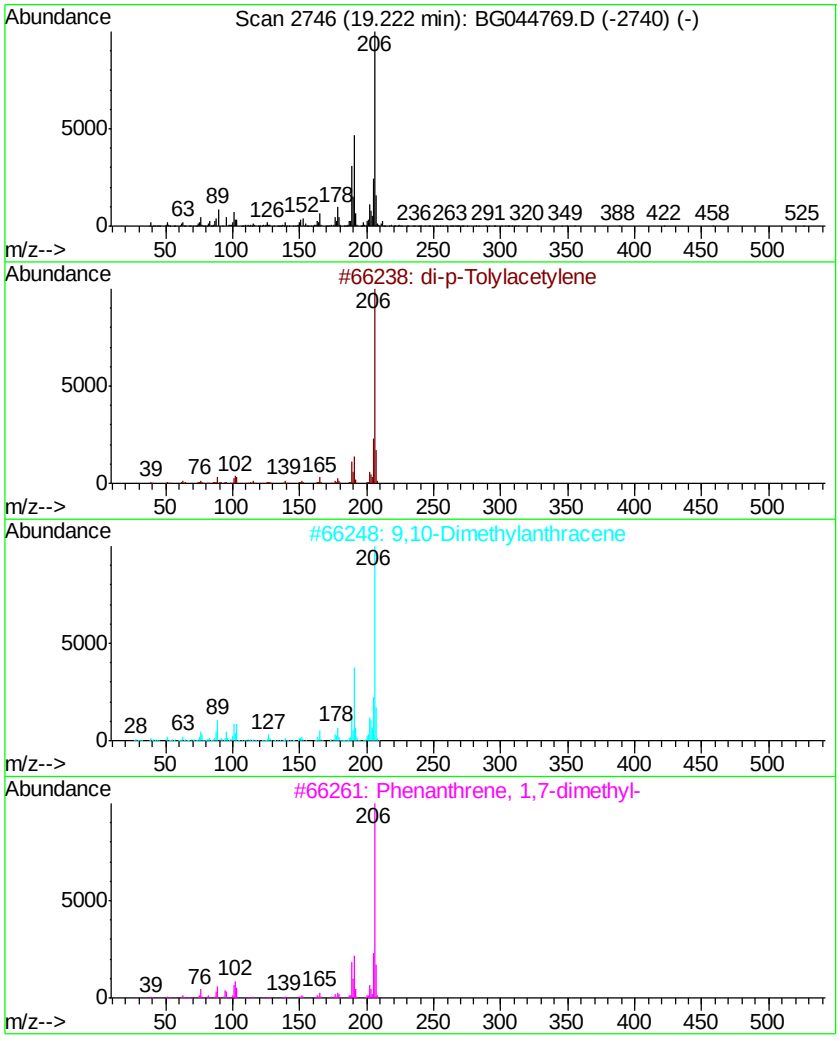
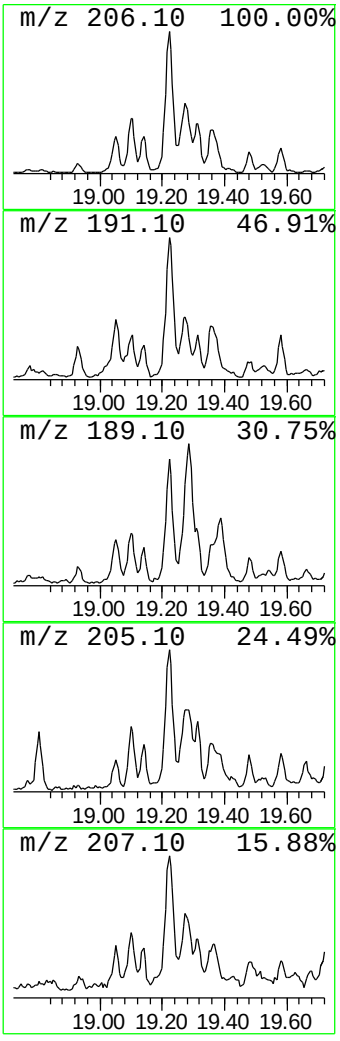
Peak Number 16 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	17.33 ng	1545860	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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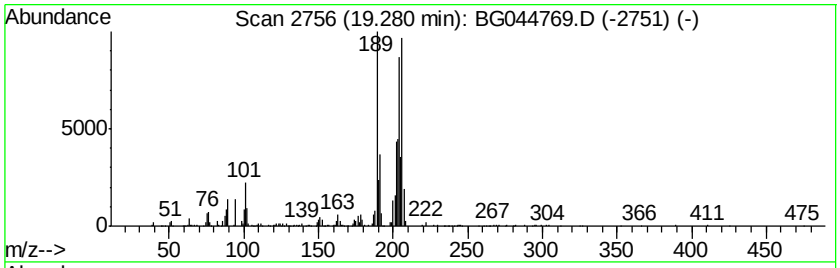
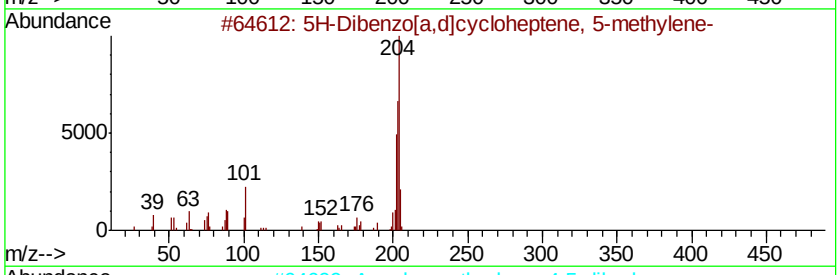
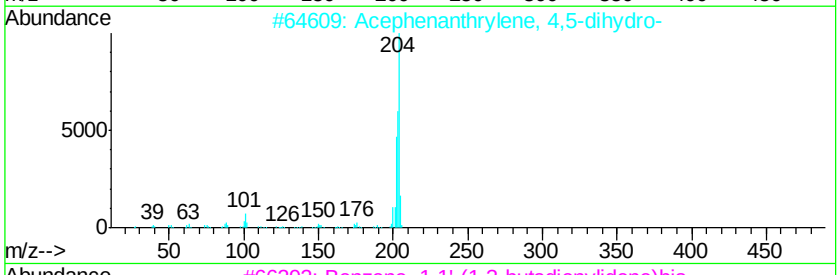
Peak Number 17 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 8

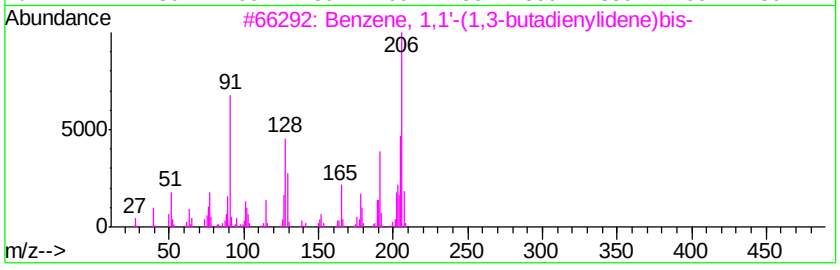
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	8.82 ng	786502	Phenanthrene-d10	17.43

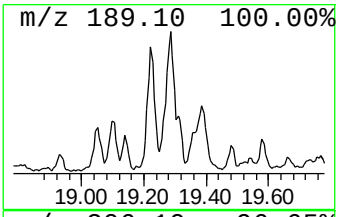
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	55
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	42
4	Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	38
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	38

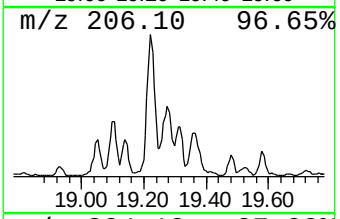


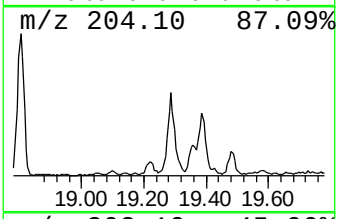


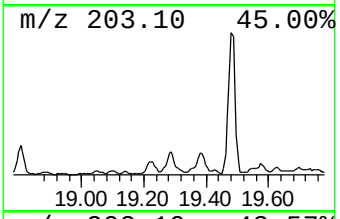


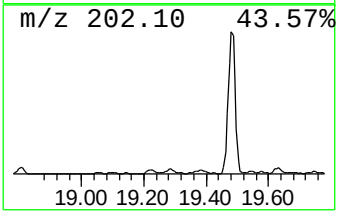












Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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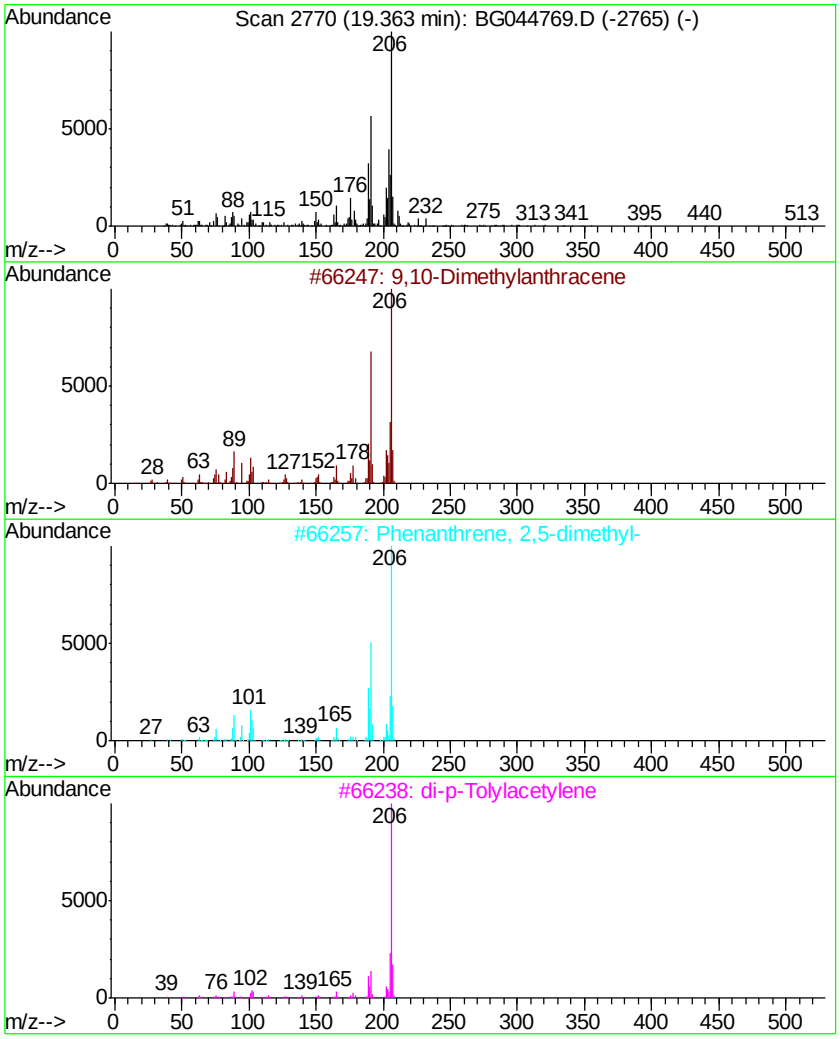
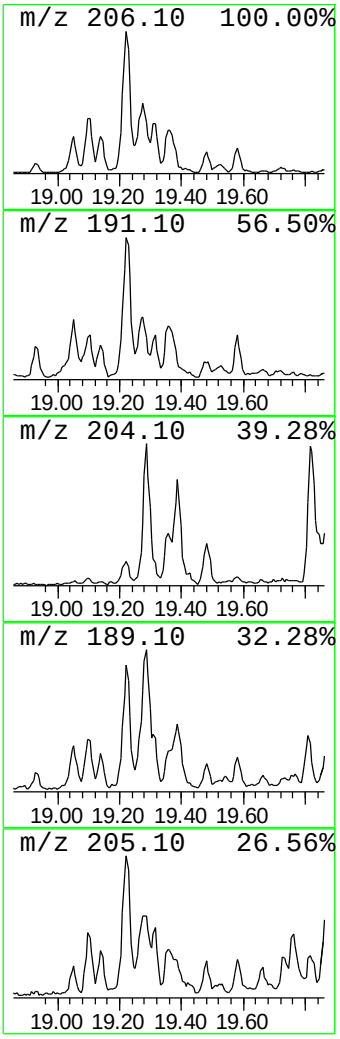
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	5.16 ng	460287	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	58
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

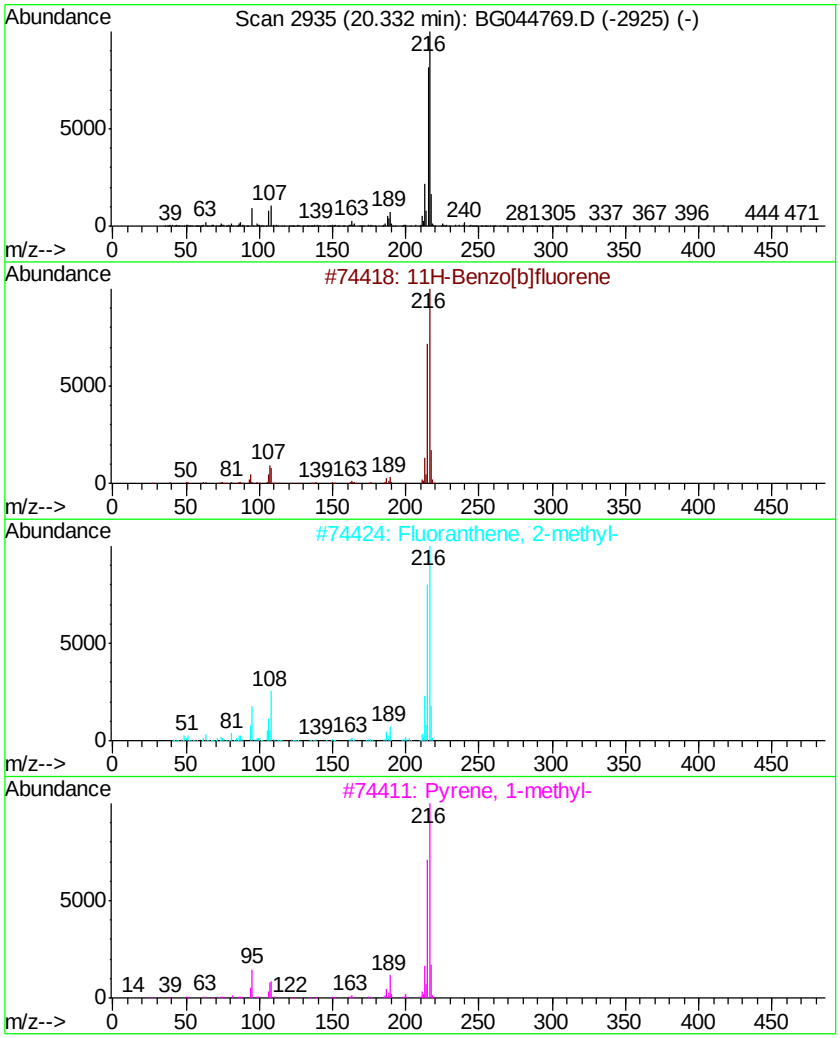
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

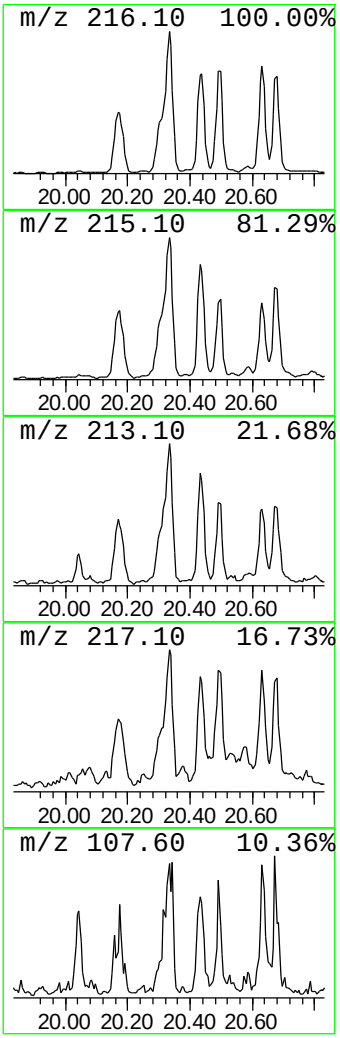
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	8.38 ng	1926910	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
Data File : BG044769.D
Acq On : 13 Mar 2020 16:17
Operator : CG/JU
Sample : L1759-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
2-Pentanone, 4-hy...	5.16	7.2	ng	306001	1	8.05	852287	20.0
Naphthalene, 2,6-...	13.86	5.1	ng	445492	3	14.69	1760760	20.0
Naphthalene, 2,3-...	14.01	7.1	ng	623228	3	14.69	1760760	20.0
9H-Fluorene, 2-me...	16.74	7.5	ng	668884	4	17.43	1784420	20.0
Dibenzothiophene	17.25	6.1	ng	547688	4	17.43	1784420	20.0
Dibenzothiophene,...	18.01	6.1	ng	542593	4	17.43	1784420	20.0
Dibenzothiophene,...	18.16	4.8	ng	428597	4	17.43	1784420	20.0
Phenanthrene, 2-m...	18.31	18.3	ng	1631400	4	17.43	1784420	20.0
Phenanthrene, 1-m...	18.36	19.4	ng	1732440	4	17.43	1784420	20.0
Anthracene, 2-met...	18.43	7.3	ng	650408	4	17.43	1784420	20.0
4H-Cyclopenta[def...	18.50	30.4	ng	2714140	4	17.43	1784420	20.0
1H-Cyclopropa[l]p...	18.54	12.9	ng	1152810	4	17.43	1784420	20.0
1,2,4,8-Tetrameth...	18.80	7.0	ng	620564	4	17.43	1784420	20.0
di-p-Tolylacetylene	19.22	17.3	ng	1545860	4	17.43	1784420	20.0
5H-Dibenzo[a,d]cy...	19.28	8.8	ng	786502	4	17.43	1784420	20.0
9,10-Dimethylanth...	19.36	5.2	ng	460287	4	17.43	1784420	20.0
11H-Benzo[b]fluorene	20.33	8.4	ng	1926910	5	21.71	4601440	20.0