LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

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-BG041520.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	5.596	421	427	435	rBV	521849	884385	10.19%	0.731%
2	7.193	690	699	708	rBV	666688	1170747	13.48%	0.968%
3	8.028	834	841	848	rBV	320309	561178	6.46%	0.464%
4	8.351	887	896	902	rBV	621540	1108624	12.77%	0.917%
5	9.179	1024	1037	1049	rBV	493818	946174	10.90%	0.782%
6	10.830	1307	1318	1322	rBV	465829	893640	10.29%	0.739%
7	10.883	1322	1327	1335	rVB	1002537	1802115	20.76%	1.490%
8	12.486	1591	1600	1607	rVB	1230310	2041546	23.51%	1.688%
9	12.704	1626	1637	1647	rBV	1124211	2053365	23.65%	1.698%
10	13.279	1727	1735	1742	rBV	1458546	2369294	27.29%	1.959%
11	13.491	1761	1771	1777	rBV	196869	340105	3.92%	0.281%
12	13.691	1799	1805	1817	rVB	234159	539275	6.21%	0.446%
13	13.837	1817	1830	1837	rBV4	479465	1286301	14.81%	1.063%
14	13.984	1847	1855	1860	rBV	845701	1612619	18.57%	1.333%
15	14.037	1860	1864	1871	rVV	508799	827503	9.53%	0.684%
16	14.219	1887	1895	1898	rBV	438748	725348	8.35%	0.600%
17	14.384	1913	1923	1934	rBV	527554	984687	11.34%	0.814%
18	14.660	1959	1970	1975	rBV2	792420	1541492	17.75%	1.274%
19	14.724	1975	1981	1988	rVV	734913	1303074	15.01%	1.077%
20	14.871	1999	2006	2014	rBV4	187487	486931	5.61%	0.403%
21	14.965	2014	2022	2026	rVV2	181792	385832	4.44%	0.319%
22	15.053	2026	2037	2044	rVV	646472	1254872	14.45%	1.037%
23	15.136	2044	2051	2057	rVV	285792	438830	5.05%	0.363%
24	15.277	2066	2075	2080	rBV2	240405	482480	5.56%	0.399%
25	15.329	2080	2084	2089	rVB	208833	298507	3.44%	0.247%
26	15.453	2096	2105	2107	rBV2	172855	386484	4.45%	0.320%
27	15.617	2123	2133	2137	rBV4	120402	306719	3.53%	0.254%
28	15.705	2142	2148	2159	rVV	1485170	2569385	29.59%	2.124%
29	15.799	2159	2164	2166	rVV2	194081	305574	3.52%	0.253%
30	15.829	2166	2169	2173	rVV2	318291	571867	6.59%	0.473%
31	15.870	2173	2176	2181	rVV3	344349	540905	6.23%	0.447%
32	15.917	2181	2184	2188	rVV2	196230	343119	3.95%	0.284%
33	15.958	2188	2191	2194	rVV3	152254	262883	3.03%	0.217%
34	15.999	2194	2198	2208	rVV3	279833	579676	6.68%	0.479%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

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-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.146	2208	2223	2231	rVV3	1208290	2306134	26.56%	1.907%
36	16.240	2231	2239	2246	rVB4	75523	225853	2.60%	0.187%
37	16.381	2254	2263	2271	rVB5	144468	343672	3.96%	0.284%
38	16.710	2310	2319	2324	rBV2	456130	1013412	11.67%	0.838%
39	16.763	2324	2328	2334	rVV2	313812	501056	5.77%	0.414%
40	16.863	2340	2345	2350	rVB	326999	527879	6.08%	0.436%
41	16.980	2362	2365	2373	rVB4	143786	230449	2.65%	0.191%
42	17.139	2387	2392	2401	rVV4	124553	346765	3.99%	0.287%
43	17.221	2401	2406	2416	rVB	630896	1086021	12.51%	0.898%
44	17.409	2432	2438	2440	rBV	786710	1283971	14.79%	1.062%
45	17.456	2440	2446	2452	rVV	5202292	8682707	100.00%	7.179%
46	17.538	2455	2460	2465	rVB	1431377	2150889	24.77%	1.778%
47	17.597	2465	2470	2475	rBV4	150497	293802	3.38%	0.243%
48	17.808	2501	2506	2511	rBV	342532	575717	6.63%	0.476%
49	17.926	2520	2526	2530	rVB2	172973	270580	3.12%	0.224%
50	17.991	2530	2537	2543	rBV	462659	740489	8.53%	0.612%
51	18.132	2556	2561	2568	rVB2	309213	604291	6.96%	0.500%
52	18.284	2581	2587	2591	rVV	1353620	2216683	25.53%	1.833%
53	18.331	2591	2595	2602	rVB	1552353	2434419	28.04%	2.013%
54	18.414	2602	2609	2614	rBV	624271	1051640	12.11%	0.869%
55	18.478	2614	2620	2624	rVV2	1880634	3797479	43.74%	3.140%
56	18.513	2624	2626	2632	rVB	1009343	1259233	14.50%	1.041%
57	18.678	2650	2654	2658	rBV2	155850	222783	2.57%	0.184%
58	18.778	2666	2671	2675	rBV	669310	932334	10.74%	0.771%
59	18.819	2675	2678	2688	rVB2	259600	592282	6.82%	0.490%
60	18.995	2704	2708	2710	rBV	162742	238066	2.74%	0.197%
61	19.025	2710	2713	2716	rVV	253615	315351	3.63%	0.261%
62	19.072	2717	2721	2725	rVV	243890	334994	3.86%	0.277%
63	19.113	2725	2728	2732	rVB2	241038	329908	3.80%	0.273%
64	19.195	2736	2742	2747	rBV	776390	1432880	16.50%	1.185%
65	19.259	2747	2753	2756	rBV3	345720	565729	6.52%	0.468%
66	19.336	2761	2766	2767	rBV2	287803	403277	4.64%	0.333%
67	19.459	2781	2787	2793	rBV	4026619	5913515	68.11%	4.889%
68	19.518	2793	2797	2800	rVV2	201161	259669	2.99%	0.215%
69	19.553	2800	2803	2807	rVB2	197555	276962	3.19%	0.229%
70	19.606	2807	2812	2816	rBV	221746	365986	4.22%	0.303%
71	19.700	2823	2828	2831	rBV	325134	531660	6.12%	0.440%

LSC Area Percent Report

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Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.823	2838	2849	2856	rBV	3909014	7722125	88.94%	6.384%
73	19.894	2856	2861	2866	rVB3	305935	531502	6.12%	0.439%
74	20.017	2873	2882	2886	rBV	2198292	3284234	37.83%	2.715%
75	20.141	2897	2903	2909	rBV2	506269	1200553	13.83%	0.993%
76	20.305	2921	2931	2940	rVB	1128947	2522832	29.06%	2.086%
77	20.411	2941	2949	2953	rBV	1093578	1713826	19.74%	1.417%
78	20.464	2953	2958	2963	rBV2	694437	1101740	12.69%	0.911%
79	20.605	2978	2982	2986	rBV	520265	707276	8.15%	0.585%
80	20.652	2986	2990	2994	rVB	594491	770074	8.87%	0.637%
81	20.904	3029	3033	3035	rBV2	171340	241547	2.78%	0.200%
82	21.022	3050	3053	3057	rBV4	176934	311553	3.59%	0.258%
83	21.251	3089	3092	3096	rVV	301253	406177	4.68%	0.336%
84	21.292	3096	3099	3103	rVV	311970	422813	4.87%	0.350%
85	21.339	3104	3107	3112	rVB	236875	344358	3.97%	0.285%
86	21.656	3154	3161	3168	rBV3	2091014	5238221	60.33%	4.331%
87	21.721	3168	3172	3185	rVB	1728325	3018283	34.76%	2.495%
88	21.827	3185	3190	3193	rBV3	145831	242402	2.79%	0.200%
89	21.874	3193	3198	3203	rBV	307912	546928	6.30%	0.452%
90	22.073	3228	3232	3240	rVB2	155263	302250	3.48%	0.250%
91	22.326	3271	3275	3279	rBV	146361	260656	3.00%	0.216%
92	22.402	3284	3288	3294	rVV	480204	950193	10.94%	0.786%
93	22.479	3296	3301	3306	rVB2	289172	587018	6.76%	0.485%
94	22.672	3330	3334	3338	rBV3	185793	309635	3.57%	0.256%
95	23.865	3528	3537	3544	rBV	918289	3077764	35.45%	2.545%
96	24.118	3575	3580	3589	rVB	237001	532633	6.13%	0.440%
97	24.576	3651	3658	3670	rVB	578904	1671853	19.25%	1.382%
98	24.723	3674	3683	3696	rVB	1010488	2825706	32.54%	2.336%
99	24.870	3700	3708	3715	rBV2	469398	1346696	15.51%	1.113%
100	28.512	4317	4328	4353	rVB3	356768	1898789	21.87%	1.570%

Sum of corrected areas: 120953710

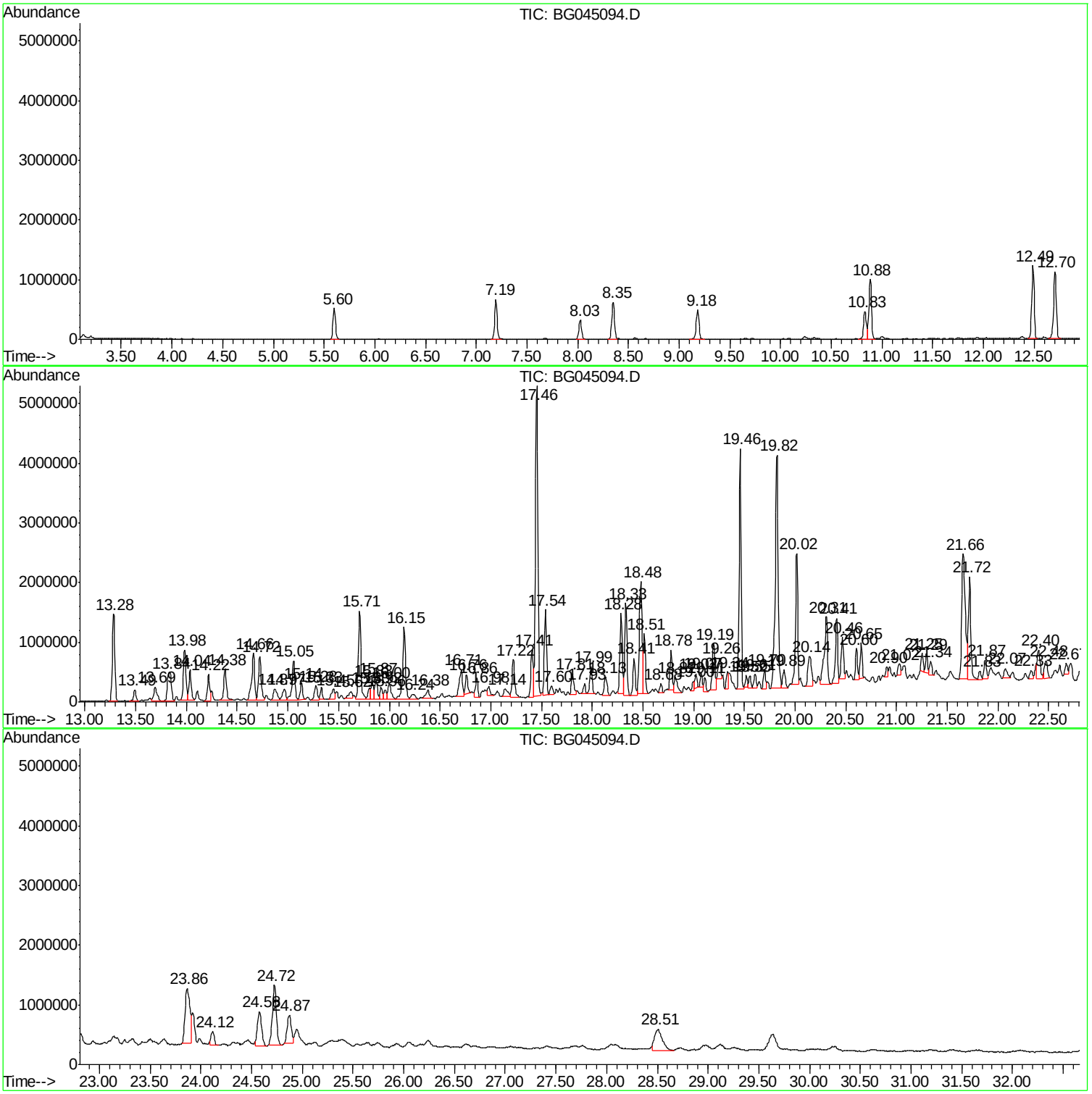
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

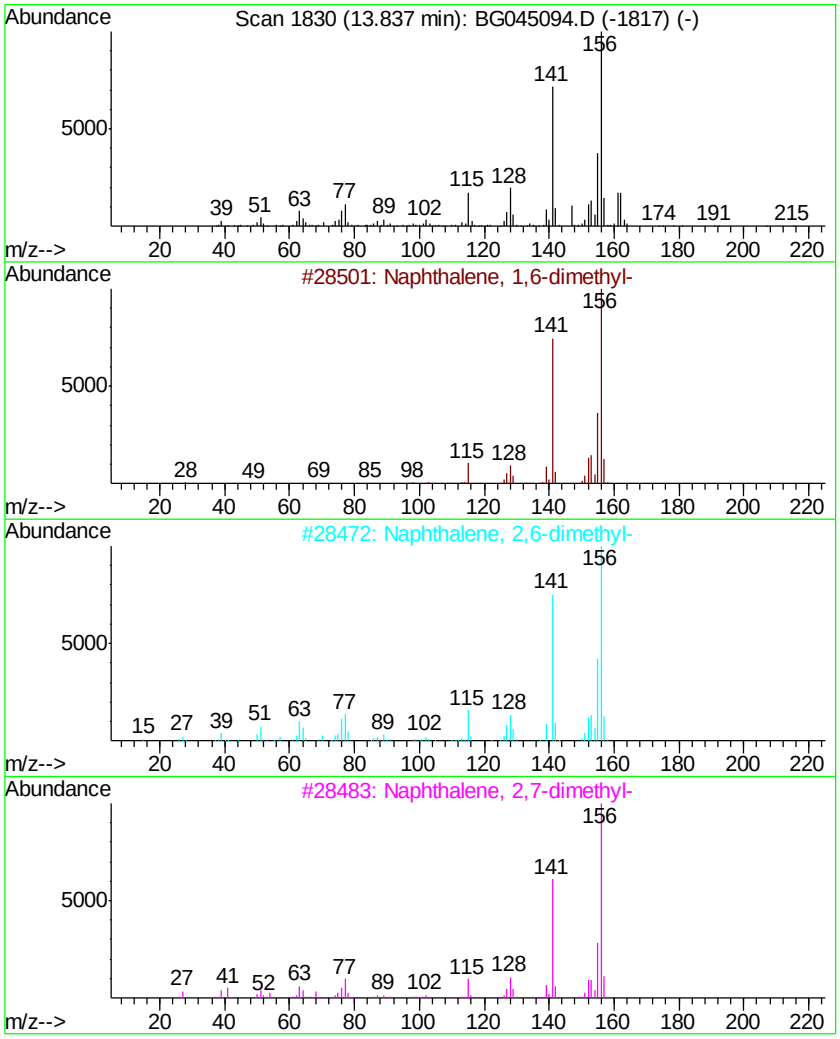
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

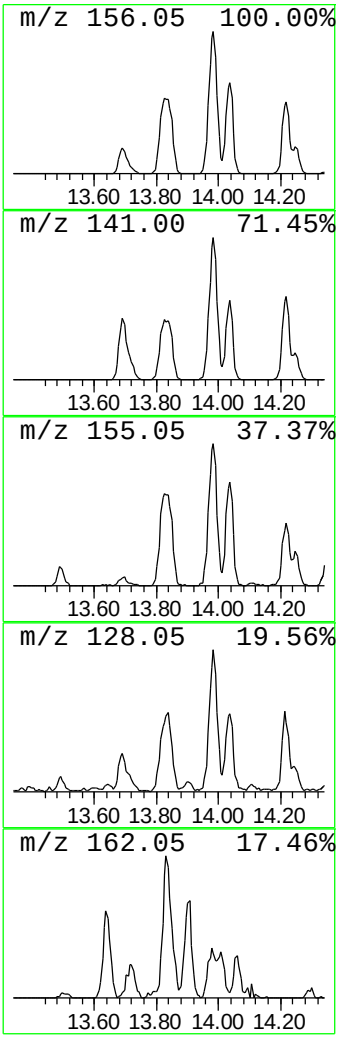
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	16.69 ng	1286300	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

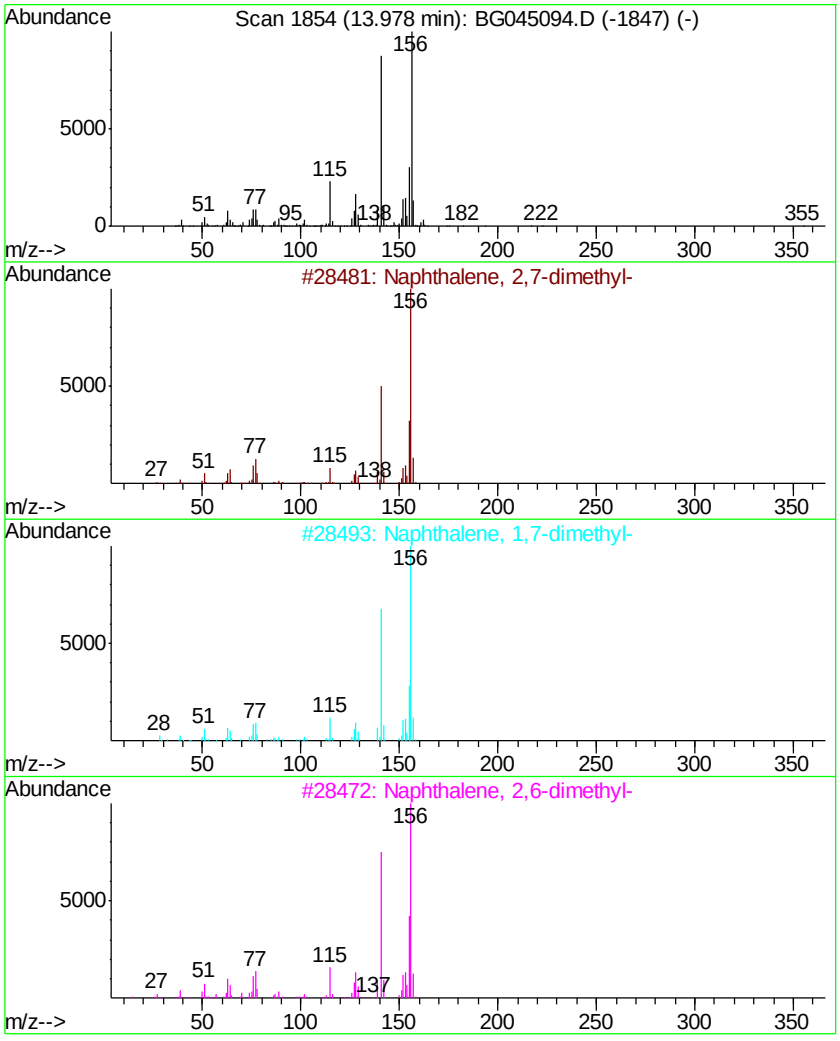
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

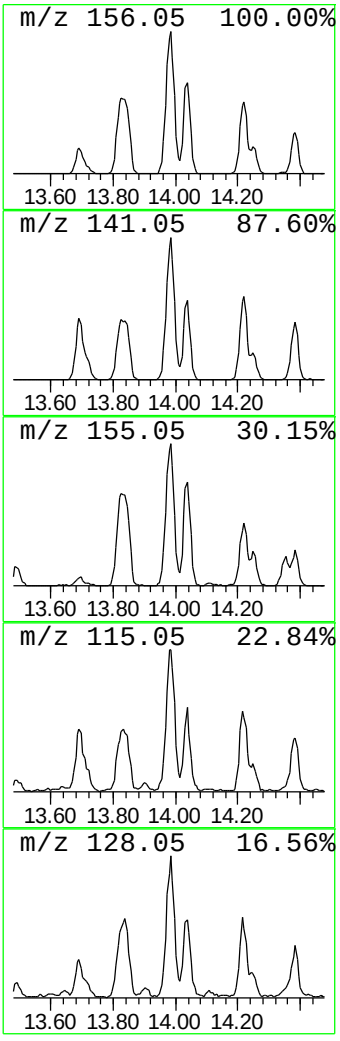
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	20.92 ng	1612620	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
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Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

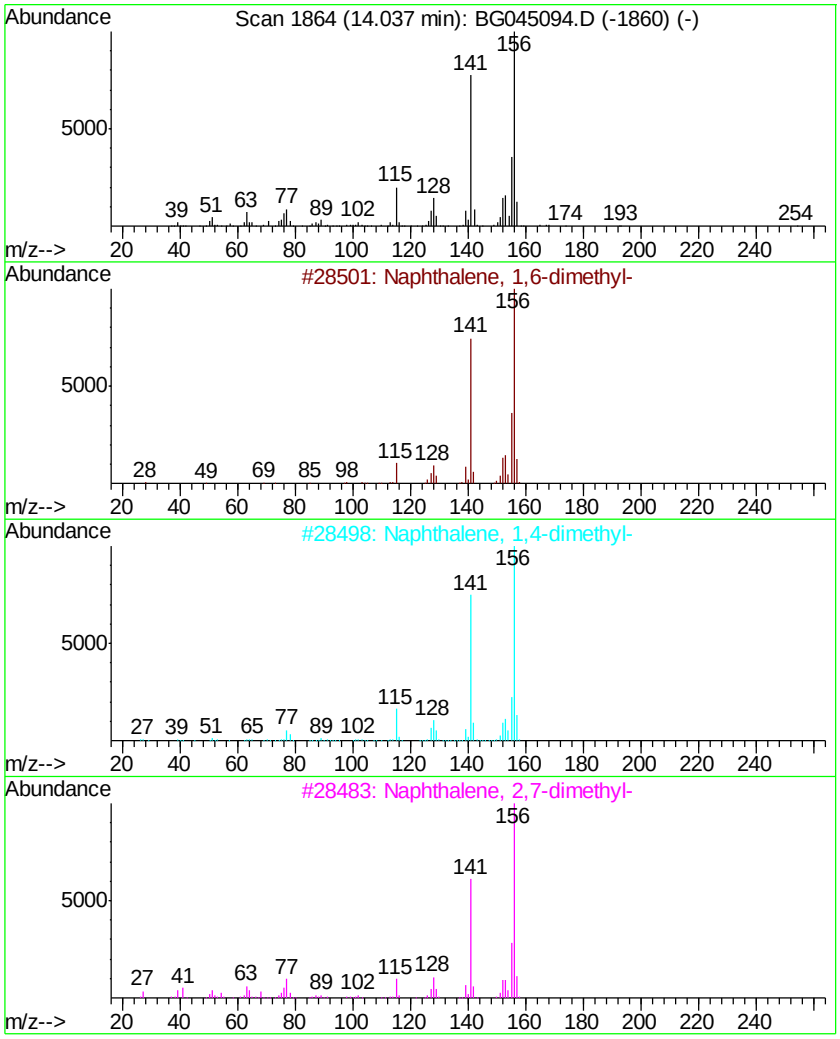
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

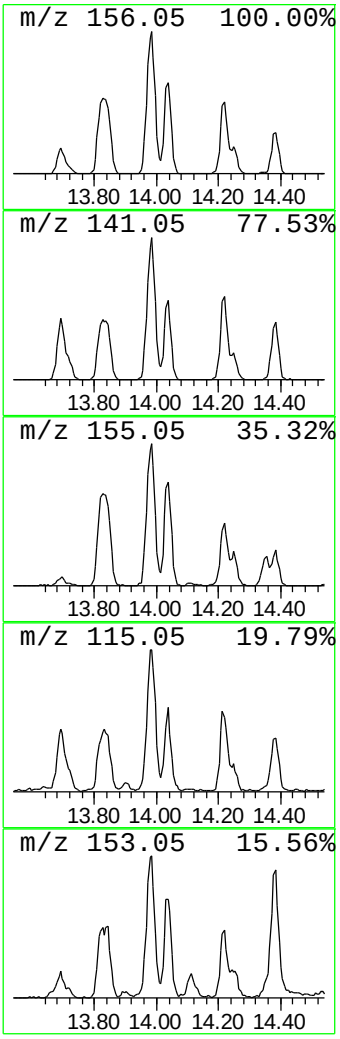
****

Peak Number 4 Naphthalene, 1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	10.74 ng	827503	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

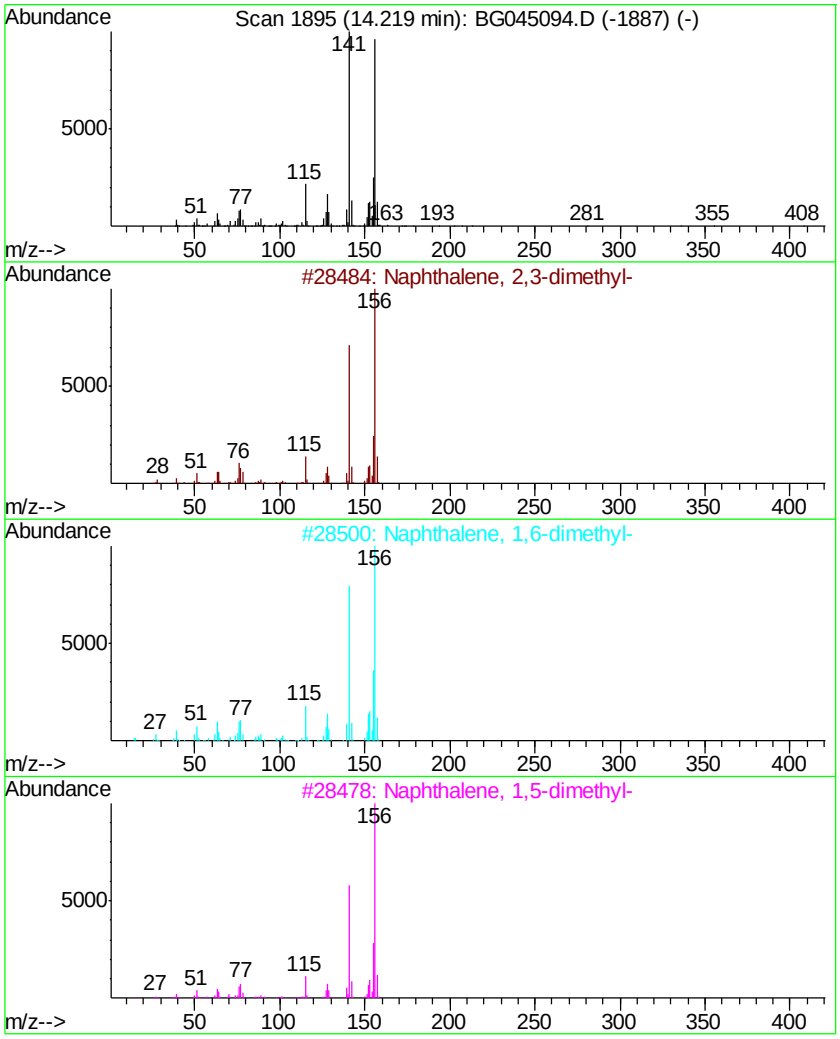
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

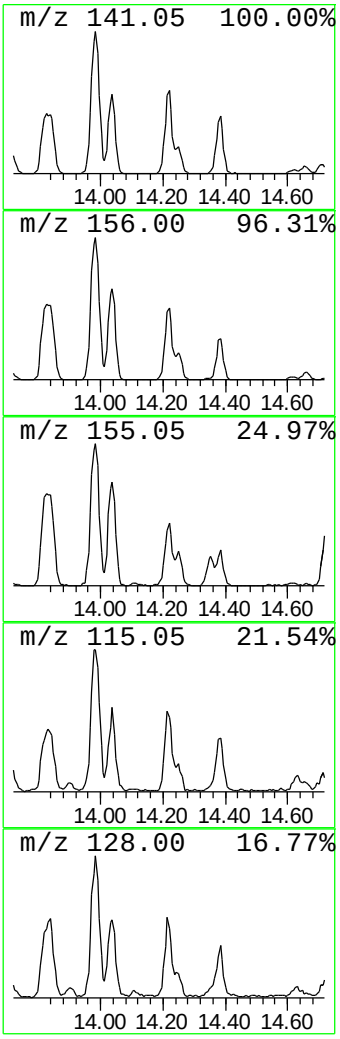
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	9.41 ng	725348	Acenaphthene-d10	14.66

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	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

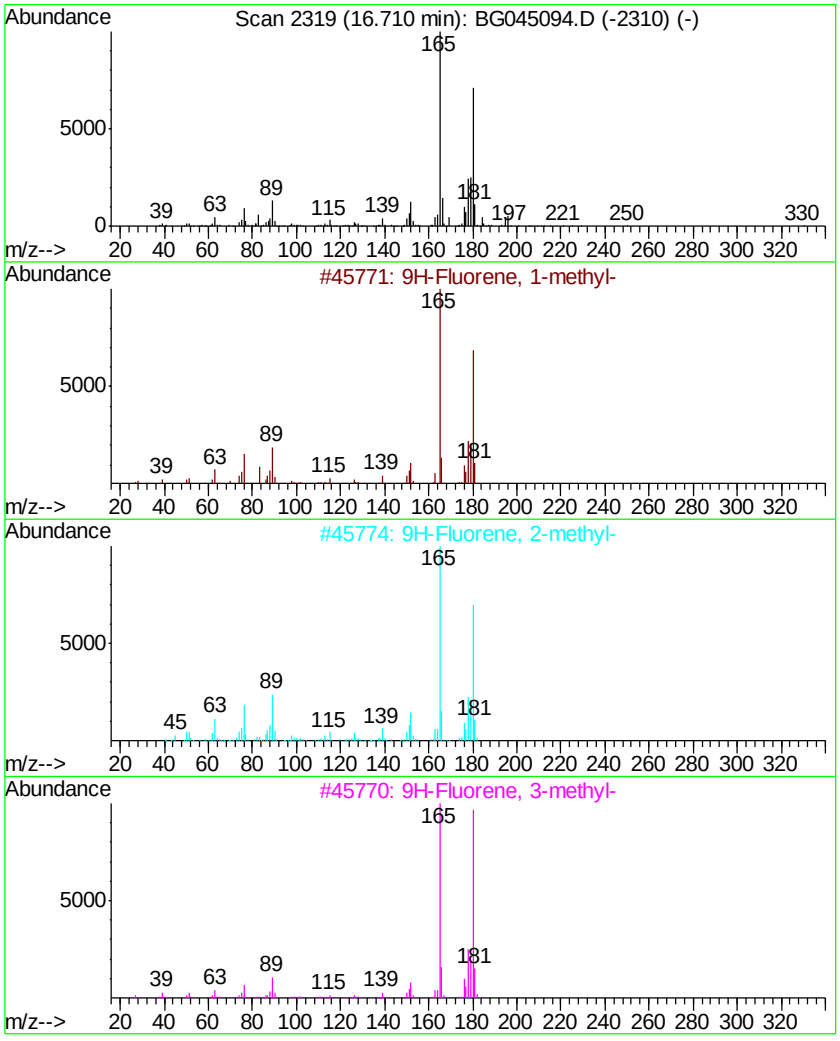
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

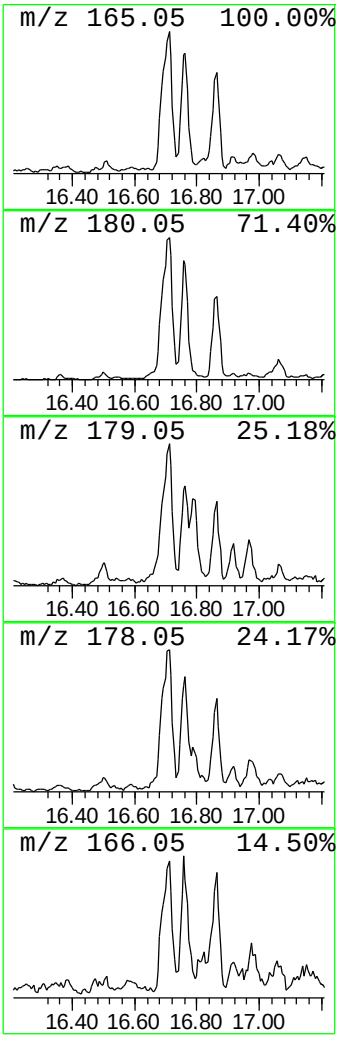
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	15.79 ng	1013410	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





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Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
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Instrument : BNA_G
ClientSampleId : TP-20-COMP

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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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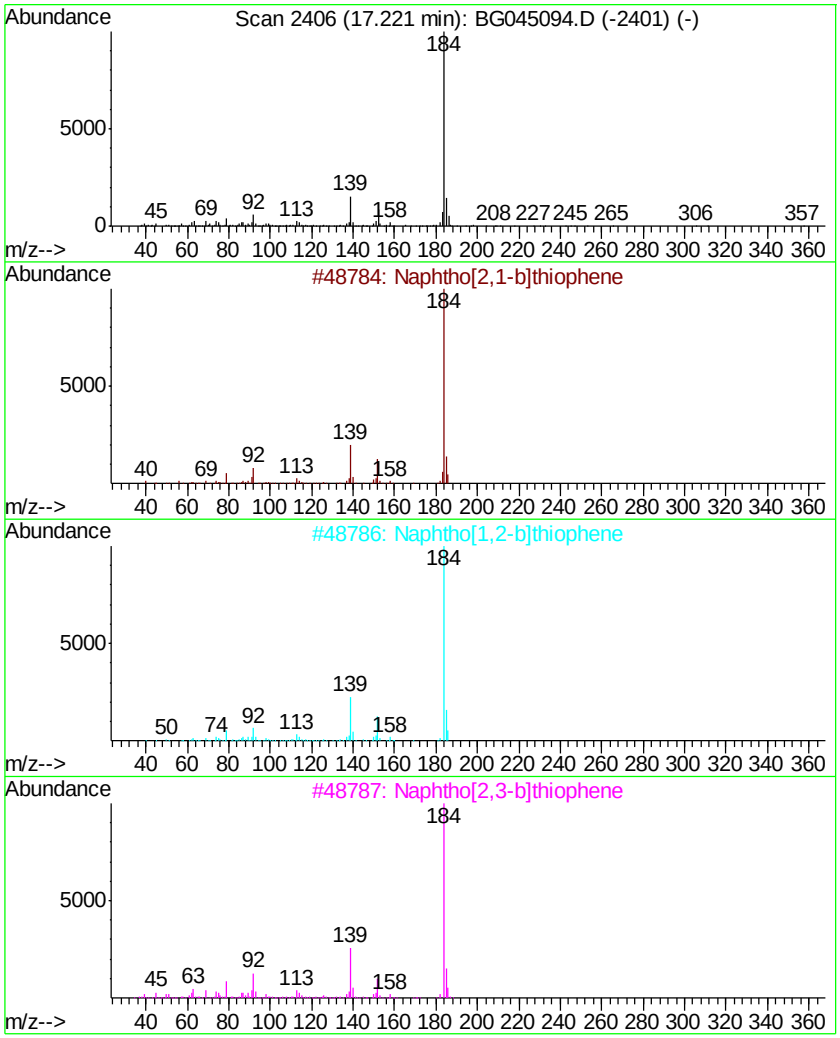
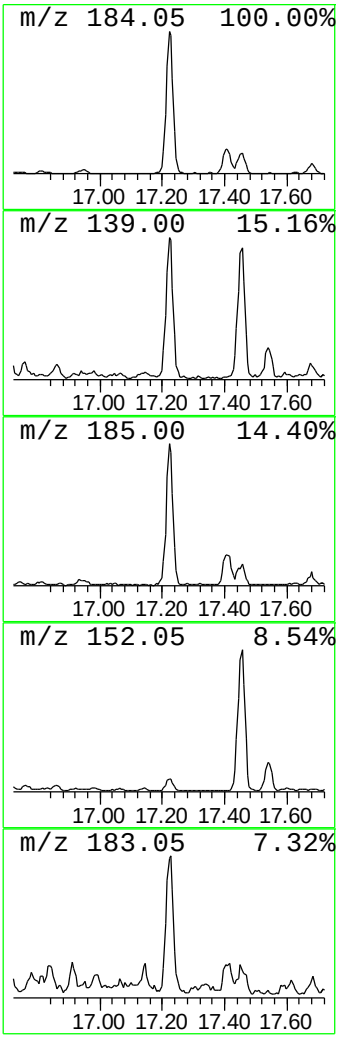
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	16.92 ng	1086020	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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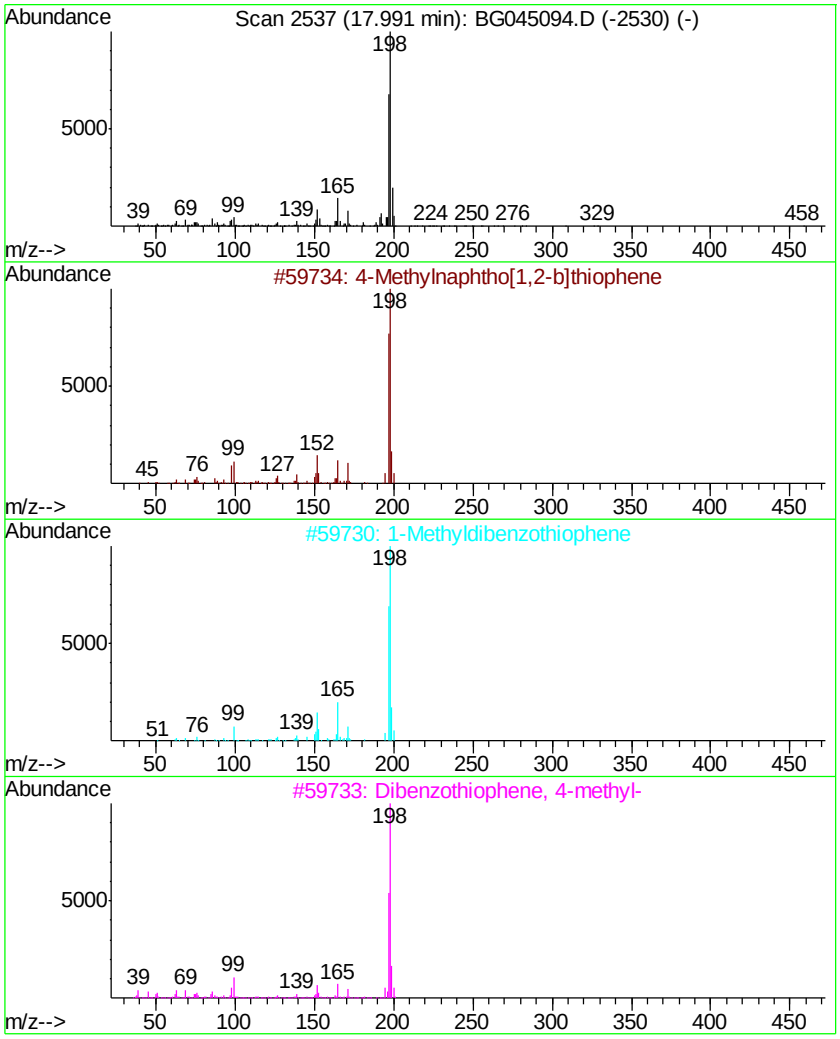
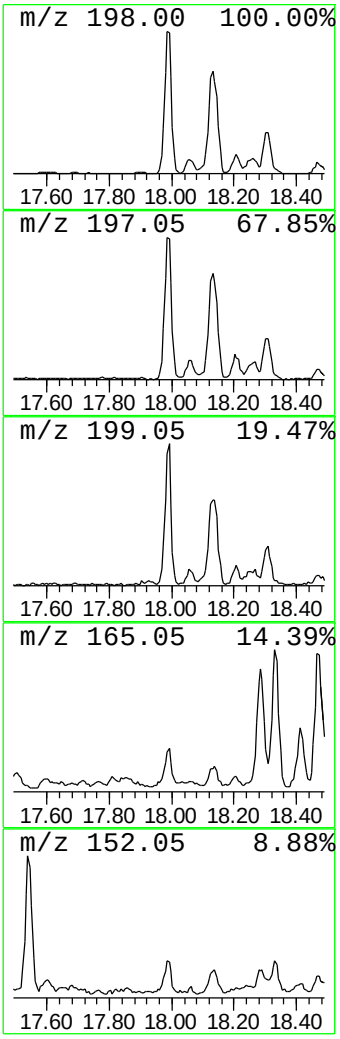
Peak Number 8 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	11.53 ng	740489	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72





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Instrument : BNA_G
ClientSampleId : TP-20-COMP

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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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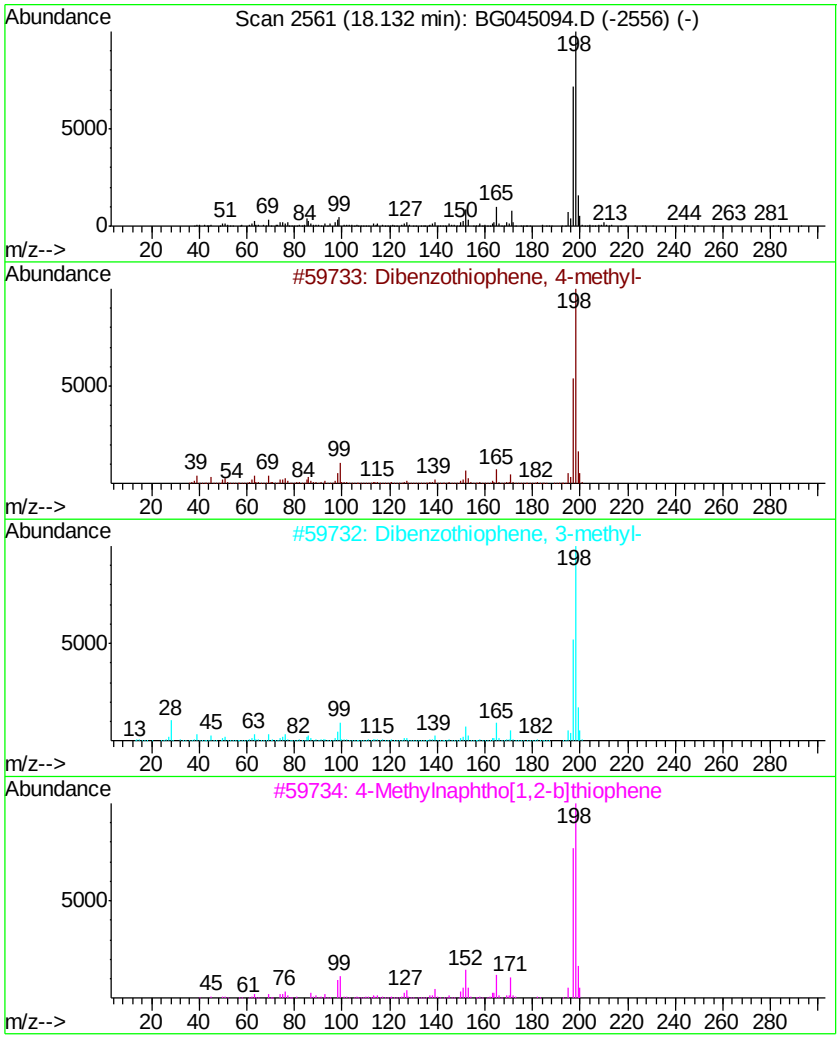
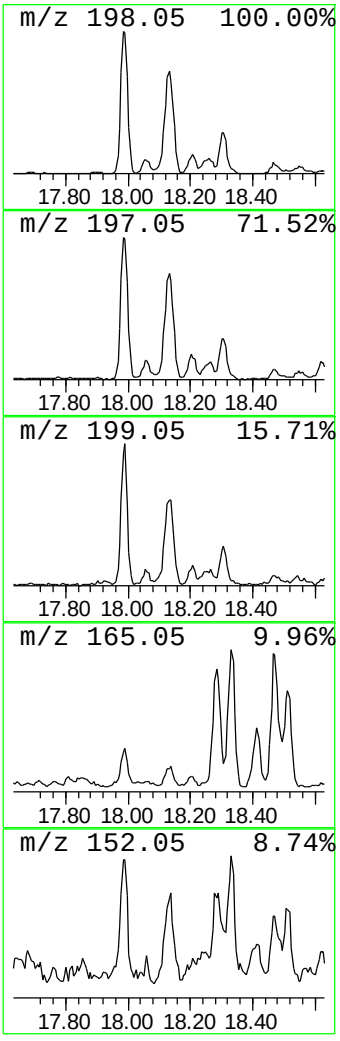
Peak Number 9 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	9.41 ng	604291	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

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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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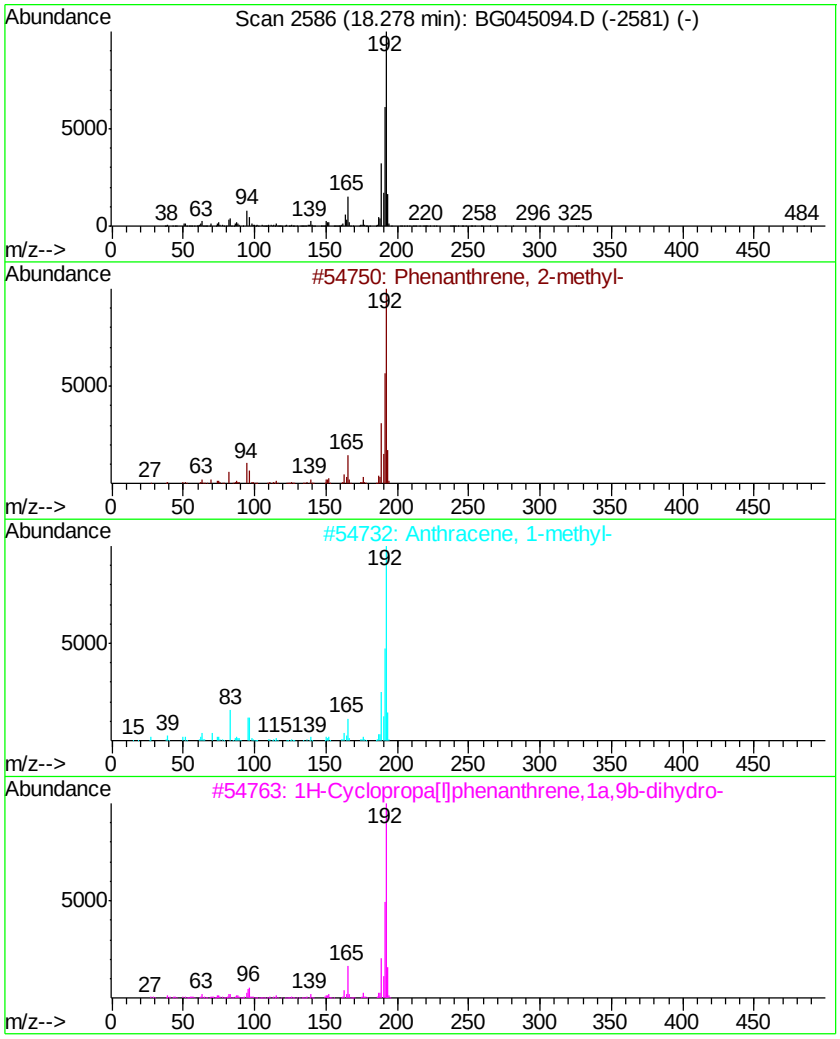
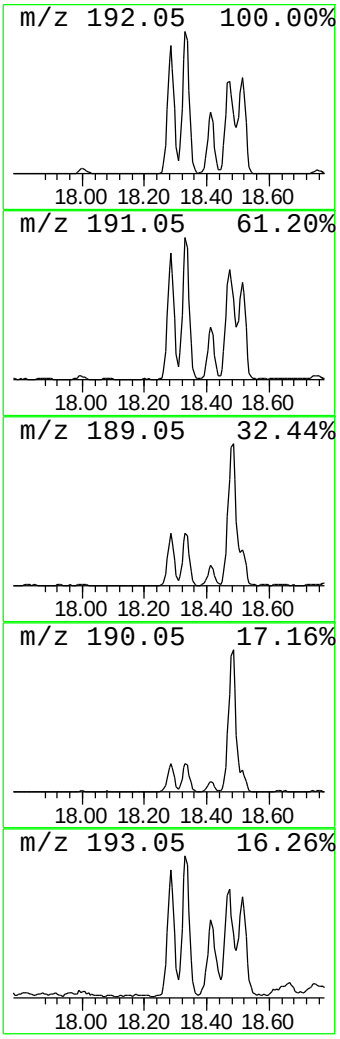
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	34.53 ng	2216680	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

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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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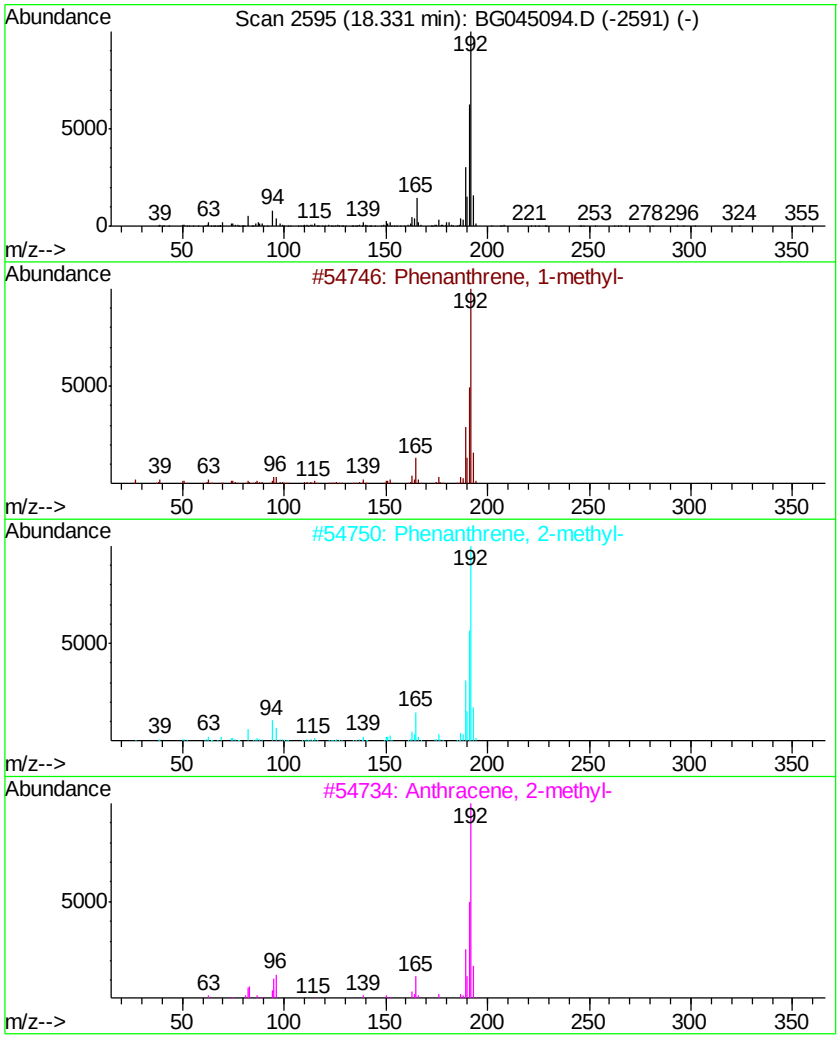
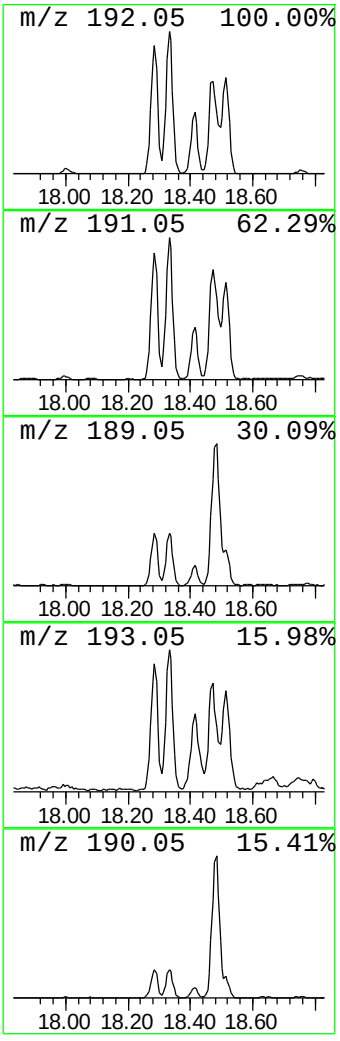
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	37.92 ng	2434420	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
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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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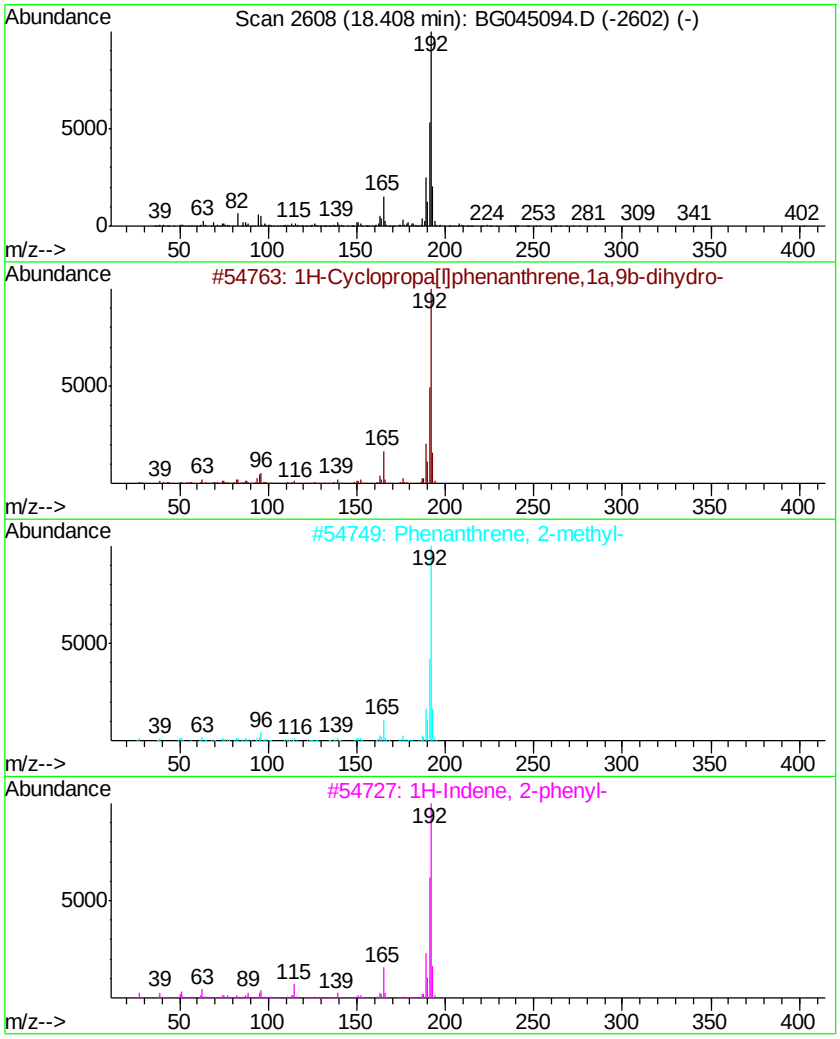
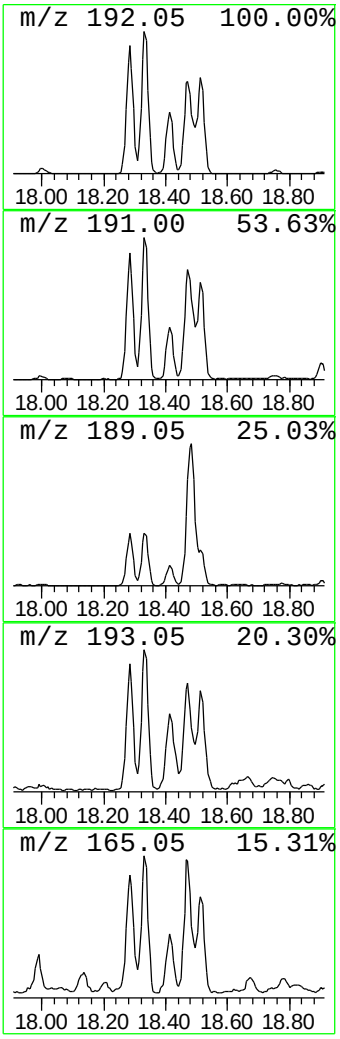
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	16.38 ng	1051640	Phenanthrene-d10	17.41

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	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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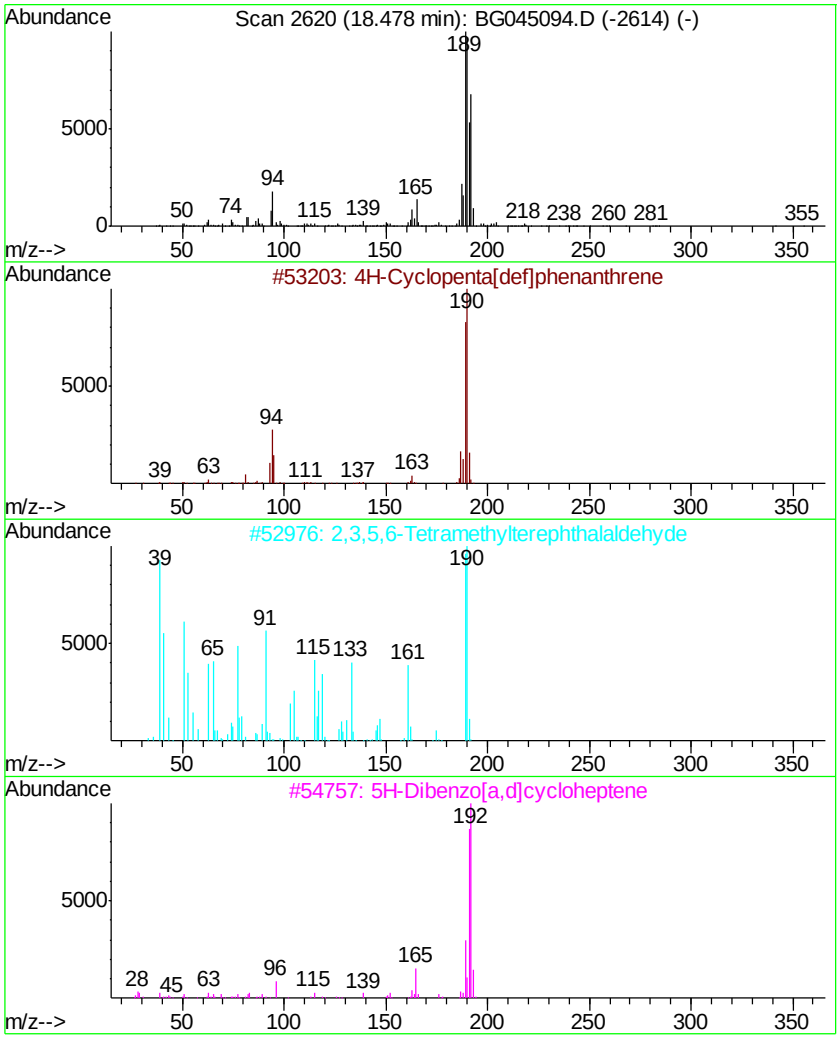
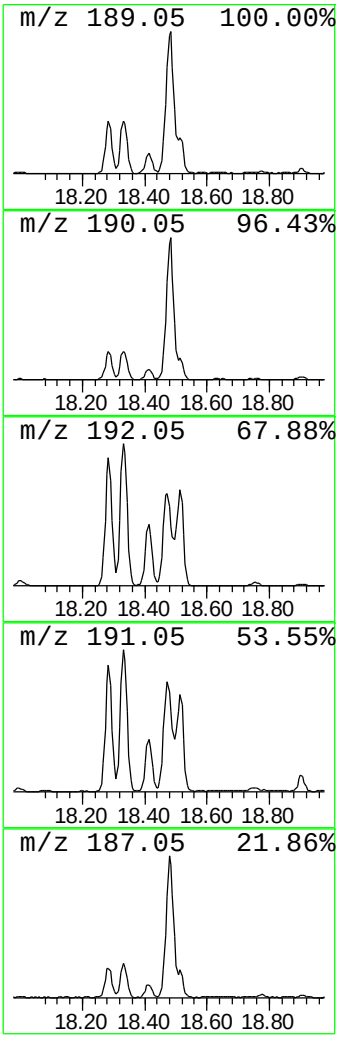
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	59.15 ng	3797480	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	35
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	30





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Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

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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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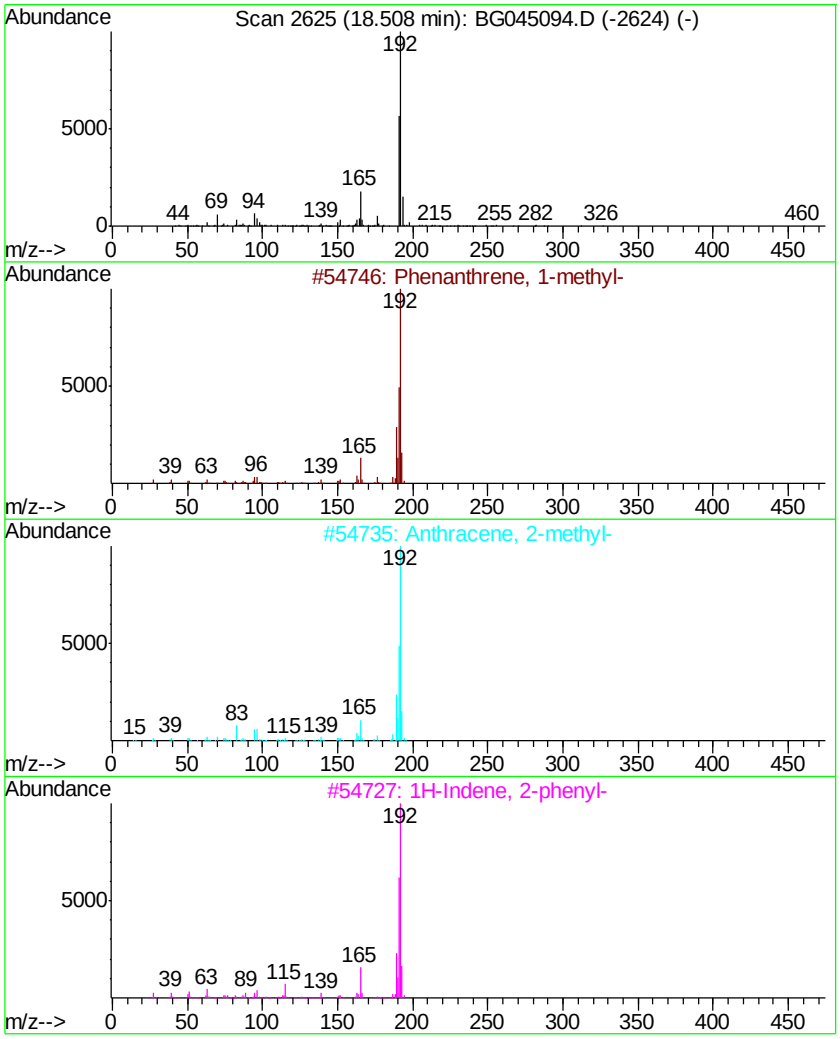
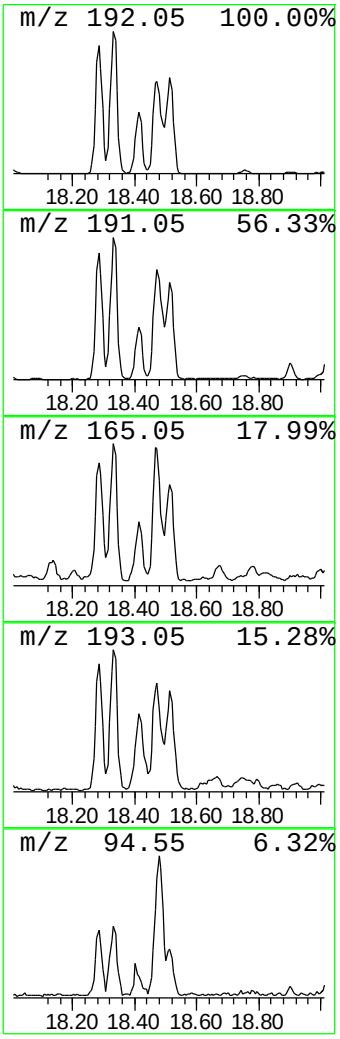
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	19.61 ng	1259230	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





Library Search Compound Report

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Operator : CG/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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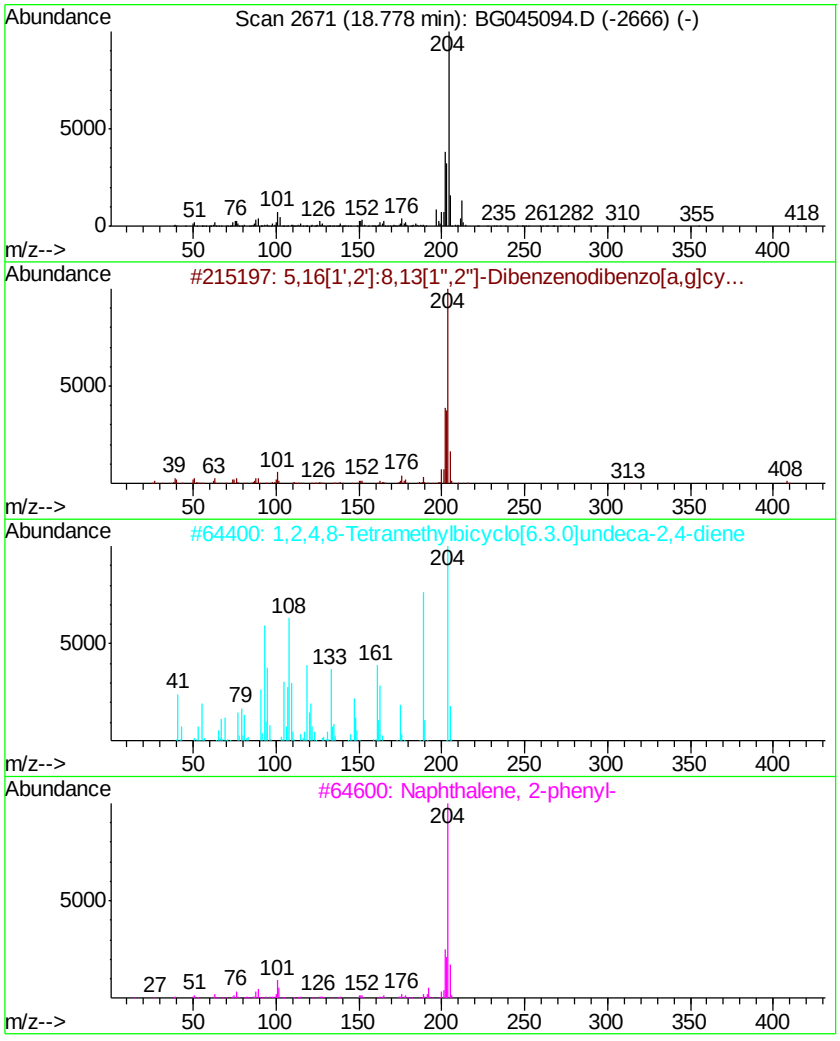
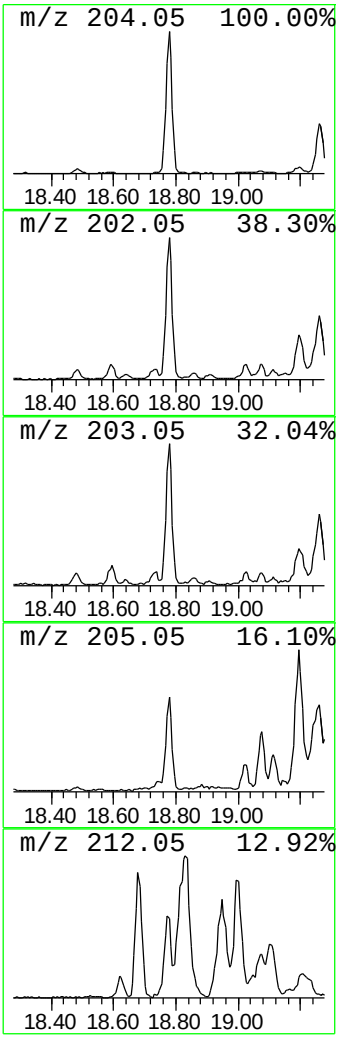
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	14.52 ng	932334	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	56





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ClientSampleId : TP-20-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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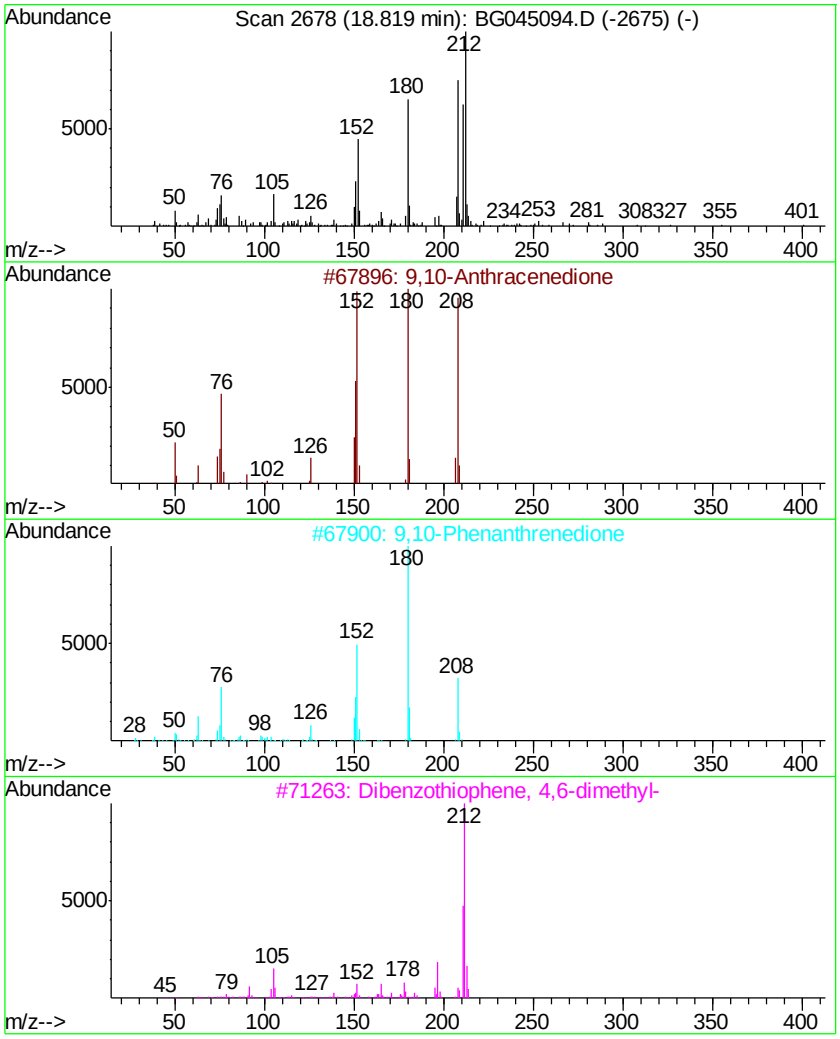
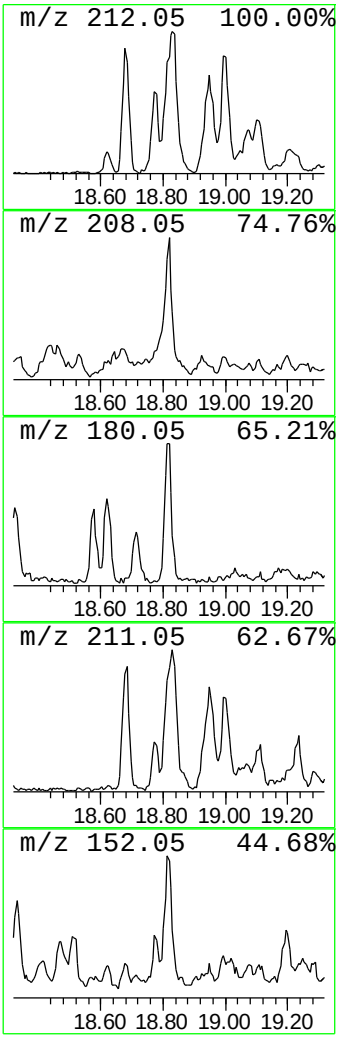
Peak Number 16 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	9.23 ng	592282	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	92
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	27
3	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	27
4	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	25
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	25





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ClientSampleId : TP-20-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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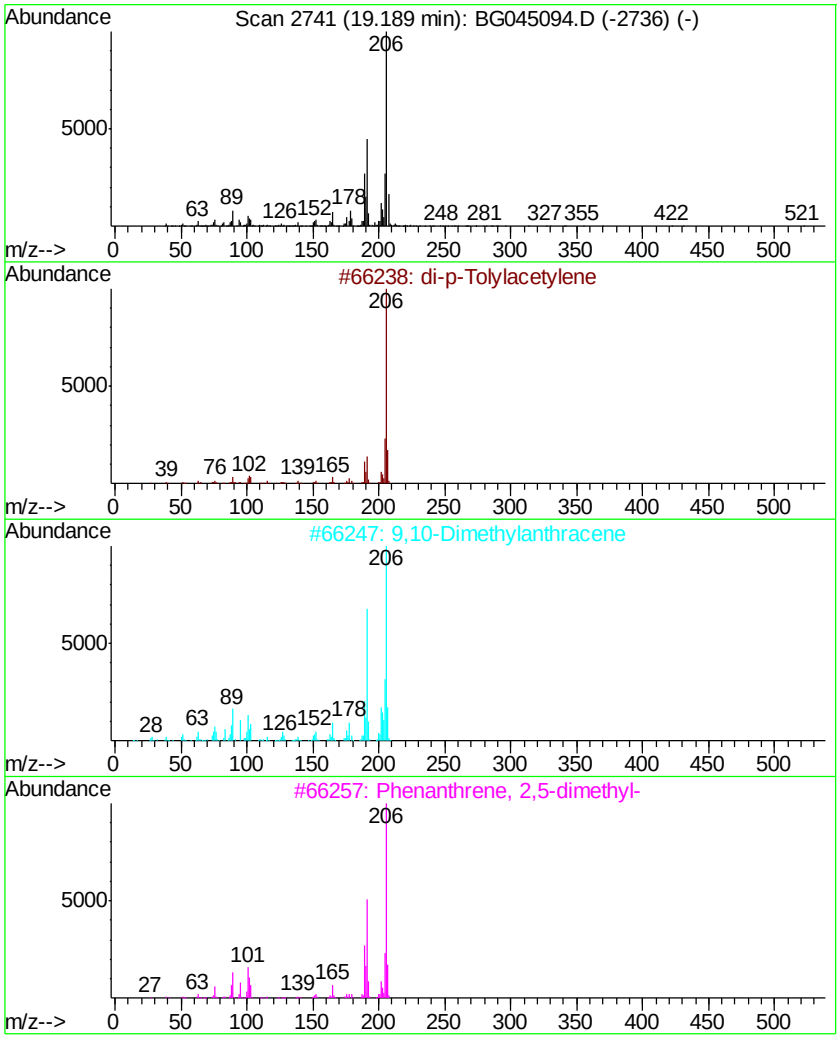
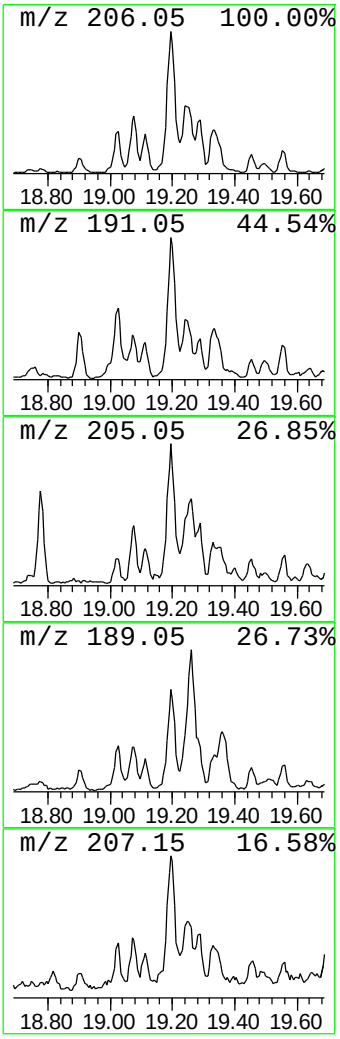
Peak Number 17 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	22.32 ng	1432880	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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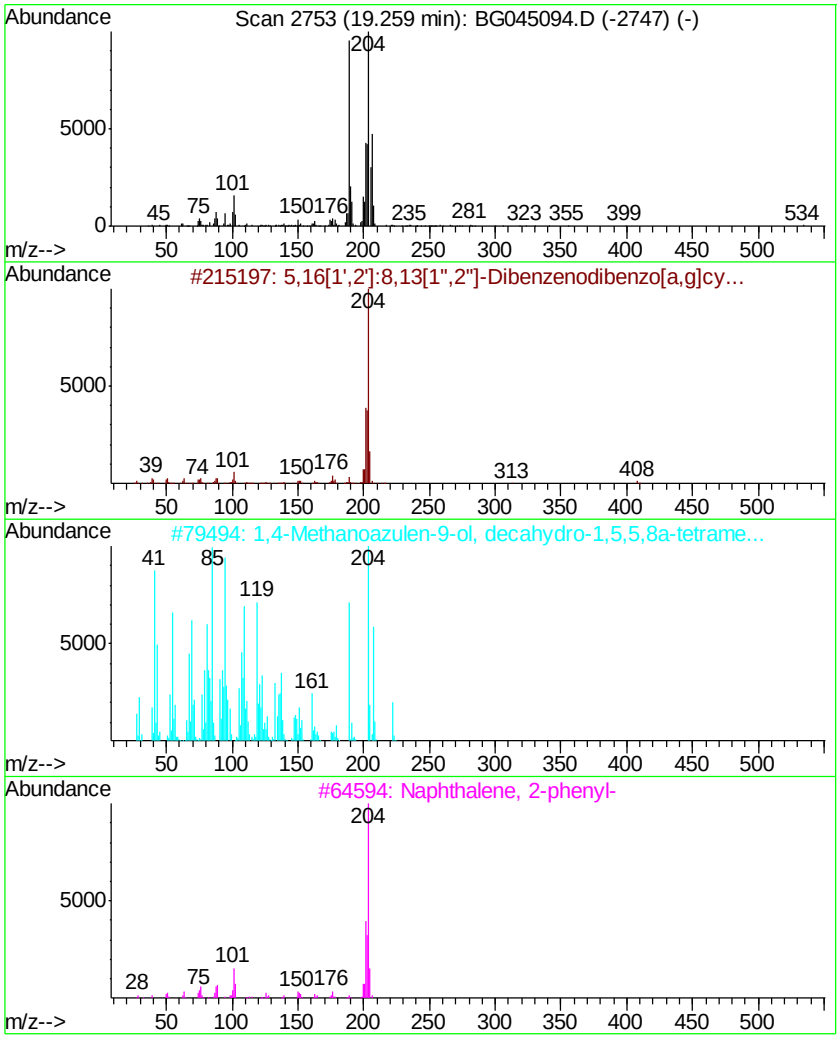
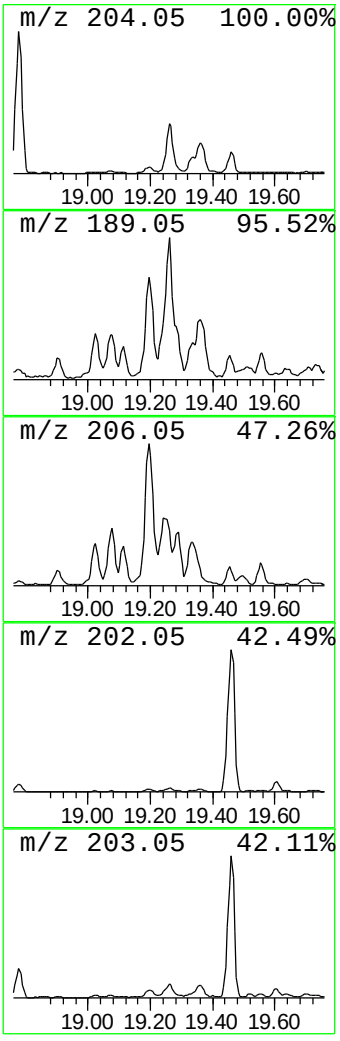
Peak Number 18 unknown19.26 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	8.81 ng	565729	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
2	1,4-Methanoazulen-9-ol, decahydr...	222	C15H26O	000465-24-7	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	27
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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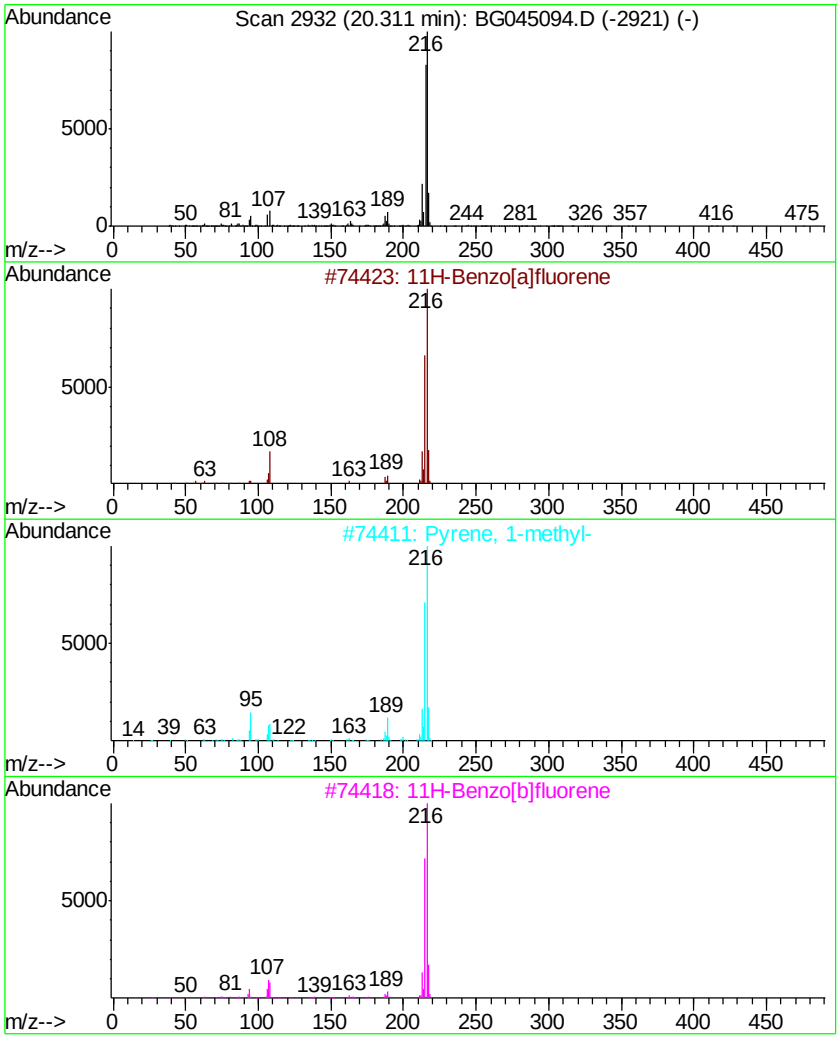
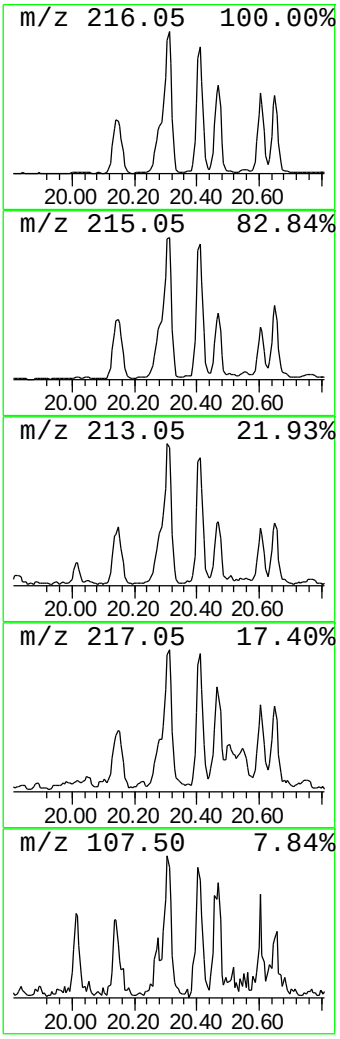
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	9.63 ng	2522830	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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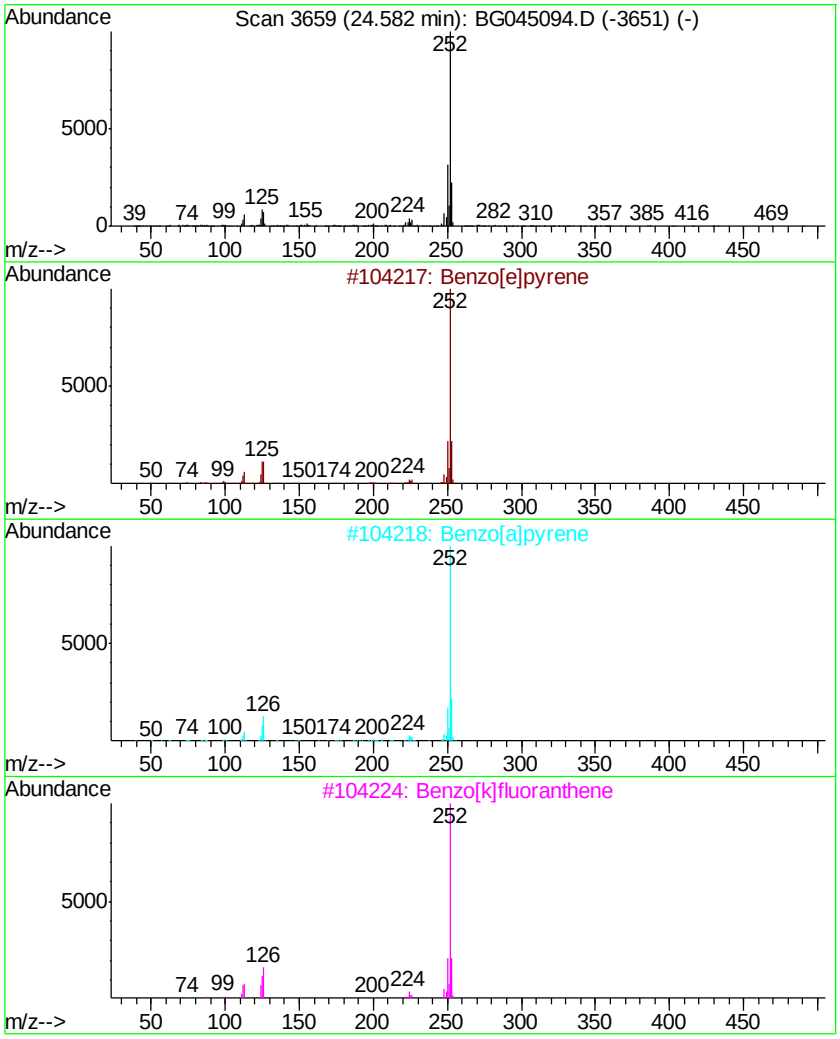
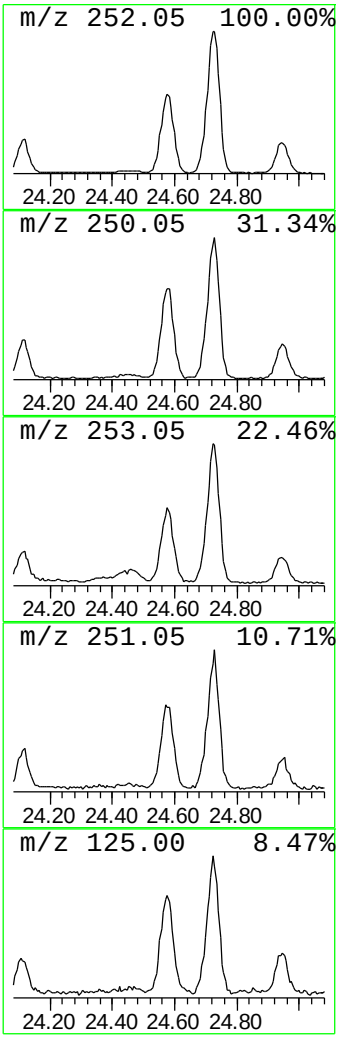
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.58	24.83 ng	1671850	Perylene-d12	24.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042020\
Data File : BG045094.D
Acq On : 20 Apr 2020 13:46
Operator : CG/JU
Sample : L2323-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-20-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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
Naphthalene, 1,6-...	13.84	16.7	ng	1286300	3	14.66	1541490	20.0
Naphthalene, 2,7-...	13.98	20.9	ng	1612620	3	14.66	1541490	20.0
Naphthalene, 1,4-...	14.04	10.7	ng	827503	3	14.66	1541490	20.0
Naphthalene, 2,3-...	14.22	9.4	ng	725348	3	14.66	1541490	20.0
9H-Fluorene, 1-me...	16.71	15.8	ng	1013410	4	17.41	1283970	20.0
Naphtho[2,1-b]thi...	17.22	16.9	ng	1086020	4	17.41	1283970	20.0
4-Methylnaphtho[1...	17.99	11.5	ng	740489	4	17.41	1283970	20.0
Dibenzothiophene,...	18.13	9.4	ng	604291	4	17.41	1283970	20.0
Phenanthrene, 2-m...	18.28	34.5	ng	2216680	4	17.41	1283970	20.0
Phenanthrene, 1-m...	18.33	37.9	ng	2434420	4	17.41	1283970	20.0
1H-Cyclopropa[l]p...	18.41	16.4	ng	1051640	4	17.41	1283970	20.0
4H-Cyclopenta[def...	18.48	59.1	ng	3797480	4	17.41	1283970	20.0
Anthracene, 2-met...	18.51	19.6	ng	1259230	4	17.41	1283970	20.0
5,16[1',2']:8,13[...	18.78	14.5	ng	932334	4	17.41	1283970	20.0
9,10-Anthracenedione	18.82	9.2	ng	592282	4	17.41	1283970	20.0
di-p-Tolylacetylene	19.19	22.3	ng	1432880	4	17.41	1283970	20.0
unknown19.26	19.26	8.8	ng	565729	4	17.41	1283970	20.0
11H-Benzo[a]fluorene	20.31	9.6	ng	2522830	5	21.67	5238220	20.0
Benzo[e]pyrene	24.58	24.8	ng	1671850	6	24.87	1346700	20.0