LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

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-BG013020.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	5.479	401	407	416	rBV	902652	1515544	14.20%	1.098%
2	7.078	670	679	698	rBV	935948	1752442	16.43%	1.270%
3	7.900	812	819	831	rBV	343181	626798	5.87%	0.454%
4	8.229	866	875	880	rBV	747862	1352496	12.68%	0.980%
5	8.282	880	884	890	rVB	102654	175035	1.64%	0.127%
6	9.058	1010	1016	1028	rVB	581330	1084211	10.16%	0.785%
7	10.109	1189	1195	1204	rBV3	79901	176576	1.66%	0.128%
8	10.703	1286	1296	1301	rBV	488652	945621	8.86%	0.685%
9	10.750	1301	1304	1314	rVB	236185	416821	3.91%	0.302%
10	12.365	1572	1579	1588	rVB	388342	689826	6.47%	0.500%
11	12.583	1605	1616	1626	rVB	939481	1733881	16.25%	1.256%
12	13.165	1708	1715	1727	rVB	1416733	2227106	20.87%	1.613%
13	13.376	1747	1751	1757	rVB2	97527	151706	1.42%	0.110%
14	13.570	1780	1784	1788	rBV	92565	141188	1.32%	0.102%
15	13.717	1801	1809	1816	rBV3	454274	1184621	11.10%	0.858%
16	13.864	1828	1834	1839	rBV	701346	1264648	11.85%	0.916%
17	13.917	1839	1843	1850	rVB	412552	616227	5.78%	0.446%
18	13.993	1850	1856	1861	rBV3	157326	320658	3.01%	0.232%
19	14.099	1868	1874	1878	rBV	434618	698362	6.55%	0.506%
20	14.263	1895	1902	1914	rBV	485208	984255	9.23%	0.713%
21	14.381	1919	1922	1929	rVB4	91119	149839	1.40%	0.109%
22	14.539	1940	1949	1953	rBV2	748731	1489988	13.97%	1.079%
23	14.604	1953	1960	1969	rVB2	1269998	2464075	23.10%	1.785%
24	14.757	1980	1986	1994	rVB3	149611	366123	3.43%	0.265%
25	14.839	1996	2000	2007	rBV5	64554	153774	1.44%	0.111%
26	14.939	2012	2017	2025	rVB	430017	779637	7.31%	0.565%
27	15.021	2025	2031	2036	rVB	383173	592183	5.55%	0.429%
28	15.162	2048	2055	2060	rBV3	305556	688523	6.45%	0.499%
29	15.215	2060	2064	2069	rVB	232291	333621	3.13%	0.242%
30	15.338	2077	2085	2088	rBV4	204772	480036	4.50%	0.348%
31	15.409	2094	2097	2102	rBV2	129076	201254	1.89%	0.146%
32	15.591	2122	2128	2133	rBV	1035488	1620915	15.19%	1.174%
33	15.685	2140	2144	2146	rBV2	230142	335492	3.14%	0.243%
34	15.714	2146	2149	2153	rVV	281527	402577	3.77%	0.292%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

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-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.750	2153	2155	2160	rVB5	147697	192257	1.80%	0.139%
36	15.809	2160	2165	2168	rBV3	289527	491146	4.60%	0.356%
37	15.885	2174	2178	2188	rVB5	209269	453107	4.25%	0.328%
38	16.032	2194	2203	2211	rVB2	1209617	2081139	19.51%	1.508%
39	16.267	2238	2243	2246	rBV2	284487	496339	4.65%	0.360%
40	16.408	2263	2267	2271	rBV2	123547	213792	2.00%	0.155%
41	16.596	2292	2299	2304	rBV	1250246	1994095	18.69%	1.445%
42	16.643	2304	2307	2313	rVB3	394263	595356	5.58%	0.431%
43	16.743	2320	2324	2330	rVB	336425	533526	5.00%	0.387%
44	16.948	2355	2359	2365	rVB5	282385	460457	4.32%	0.334%
45	17.107	2381	2386	2394	rVB2	565573	933128	8.75%	0.676%
46	17.213	2400	2404	2409	rVB	535435	732993	6.87%	0.531%
47	17.289	2412	2417	2420	rBV	725761	1218097	11.42%	0.882%
48	17.336	2420	2425	2431	rVV	3300870	5123160	48.02%	3.711%
49	17.424	2435	2440	2445	rVB	1216505	1776995	16.66%	1.287%
50	17.483	2445	2450	2455	rBV2	1064570	1594276	14.94%	1.155%
51	17.806	2502	2505	2510	rVB	289219	381221	3.57%	0.276%
52	17.871	2512	2516	2521	rVB2	454203	646895	6.06%	0.469%
53	18.012	2535	2540	2547	rVB2	320139	631975	5.92%	0.458%
54	18.165	2561	2566	2570	rBV	1303881	2123370	19.90%	1.538%
55	18.217	2570	2575	2580	rVV	1383337	2139009	20.05%	1.550%
56	18.294	2584	2588	2593	rVV	653971	985138	9.23%	0.714%
57	18.364	2594	2600	2603	rVV2	2146482	4062539	38.08%	2.943%
58	18.400	2603	2606	2612	rVB	1155819	1612746	15.12%	1.168%
59	18.570	2631	2635	2640	rBV2	179018	311011	2.92%	0.225%
60	18.664	2647	2651	2655	rBV	800829	1010570	9.47%	0.732%
61	18.699	2655	2657	2666	rVB2	190535	374593	3.51%	0.271%
62	18.911	2690	2693	2697	rVB2	325367	388427	3.64%	0.281%
63	18.964	2698	2702	2705	rBV	330619	410421	3.85%	0.297%
64	19.046	2713	2716	2718	rBV2	134806	177006	1.66%	0.128%
65	19.087	2718	2723	2727	rVV	926963	1493685	14.00%	1.082%
66	19.152	2728	2734	2737	rVV2	501840	910919	8.54%	0.660%
67	19.222	2742	2746	2748	rBV2	355417	527518	4.94%	0.382%
68	19.346	2762	2767	2772	rBV	3867326	5735705	53.76%	4.155%
69	19.404	2773	2777	2781	rVV2	950307	1269687	11.90%	0.920%
70	19.445	2781	2784	2788	rVB2	234015	309798	2.90%	0.224%
71	19.492	2788	2792	2797	rBV	653328	910836	8.54%	0.660%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

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-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.586	2805	2808	2811	rBV	241935	320051	3.00%	0.232%
73	19.710	2820	2829	2837	rBV	4398799	7941834	74.44%	5.753%
74	19.780	2838	2841	2847	rVB2	275967	427214	4.00%	0.309%
75	19.904	2858	2862	2866	rVB	1877376	2327990	21.82%	1.687%
76	20.033	2878	2884	2890	rVB4	584863	1321776	12.39%	0.958%
77	20.121	2895	2899	2903	rVV2	784455	1050450	9.85%	0.761%
78	20.174	2903	2908	2909	rVV4	806098	1280328	12.00%	0.928%
79	20.197	2909	2912	2918	rVB2	1538465	2176533	20.40%	1.577%
80	20.297	2925	2929	2936	rBV2	1107701	1796050	16.83%	1.301%
81	20.356	2936	2939	2943	rVB2	885068	1110081	10.40%	0.804%
82	20.497	2958	2963	2966	rBV2	692055	1072345	10.05%	0.777%
83	20.544	2967	2971	2975	rVV	830092	1190614	11.16%	0.863%
84	20.609	2975	2982	2986	rVB	7441824	10669103	100.00%	7.729%
85	21.132	3068	3071	3074	rVB	278386	333590	3.13%	0.242%
86	21.173	3074	3078	3082	rBV2	537987	817037	7.66%	0.592%
87	21.390	3111	3115	3120	rBV2	523426	822314	7.71%	0.596%
88	21.437	3120	3123	3128	rVV	516338	661127	6.20%	0.479%
89	21.525	3132	3138	3144	rVV2	2509037	5715104	53.57%	4.140%
90	21.584	3144	3148	3161	rVB	2330248	4238538	39.73%	3.071%
91	21.878	3193	3198	3203	rBV	3091195	4727269	44.31%	3.425%
92	22.177	3243	3249	3254	rBV	1643025	2727262	25.56%	1.976%
93	22.248	3257	3261	3266	rVV	609596	1077650	10.10%	0.781%
94	22.313	3269	3272	3278	rVB3	385865	652674	6.12%	0.473%
95	22.512	3302	3306	3308	rBV2	272684	457623	4.29%	0.332%
96	22.554	3309	3313	3321	rVB2	652109	1218926	11.42%	0.883%
97	23.664	3495	3502	3509	rBV	890494	2844097	26.66%	2.060%
98	24.351	3613	3619	3631	rVB	672505	1814015	17.00%	1.314%
99	24.492	3635	3643	3655	rVB	1111163	3093751	29.00%	2.241%
100	24.633	3662	3667	3674	rBV2	323299	730643	6.85%	0.529%

Sum of corrected areas: 138034980

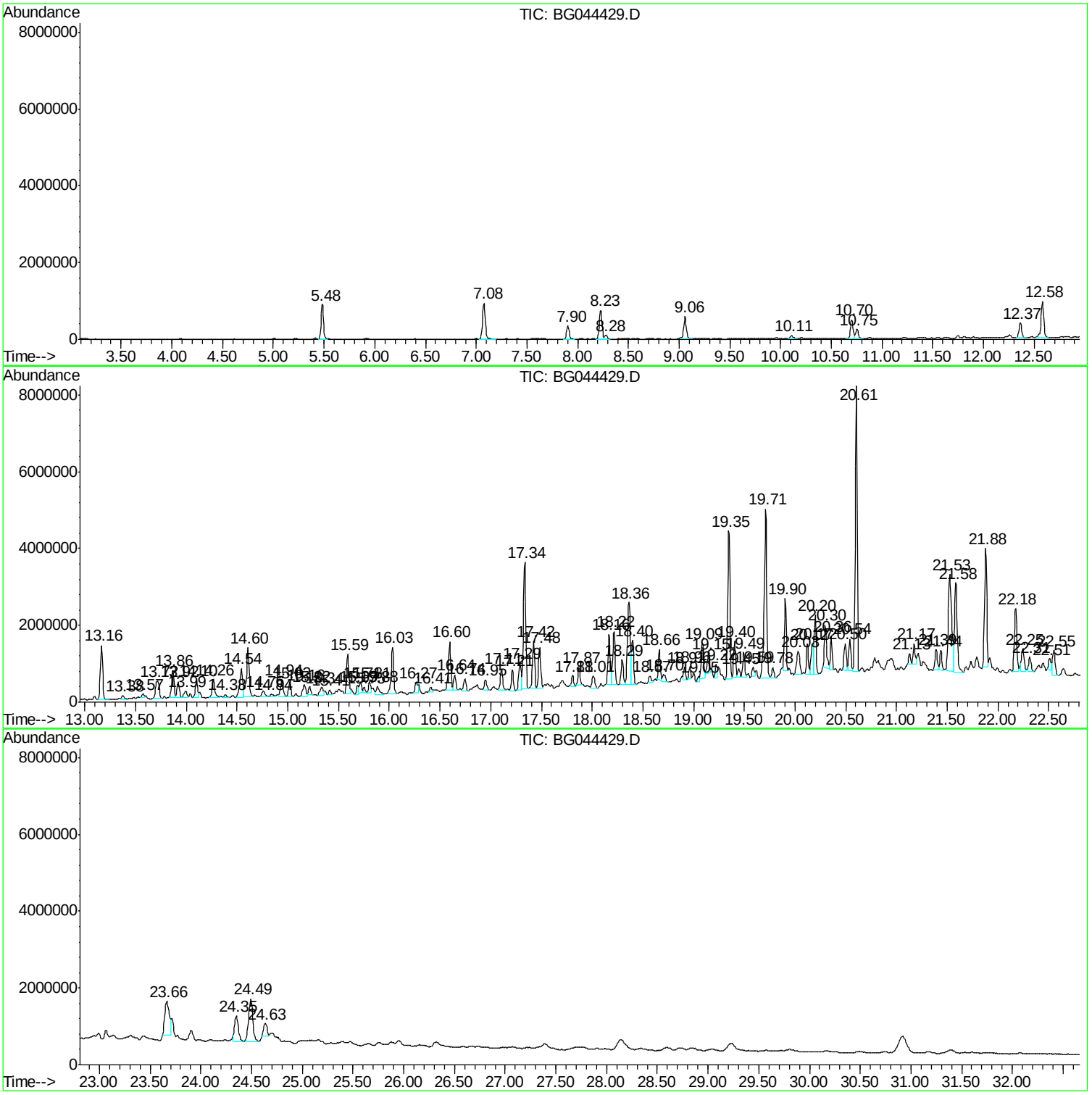
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

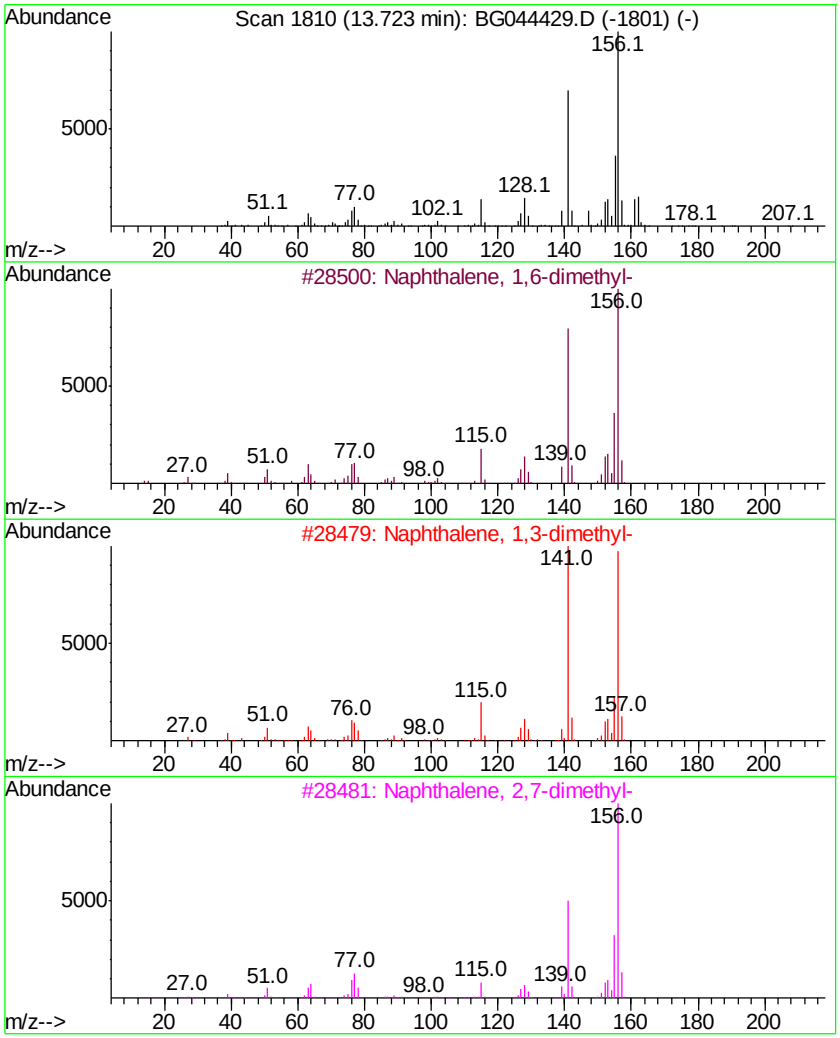
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

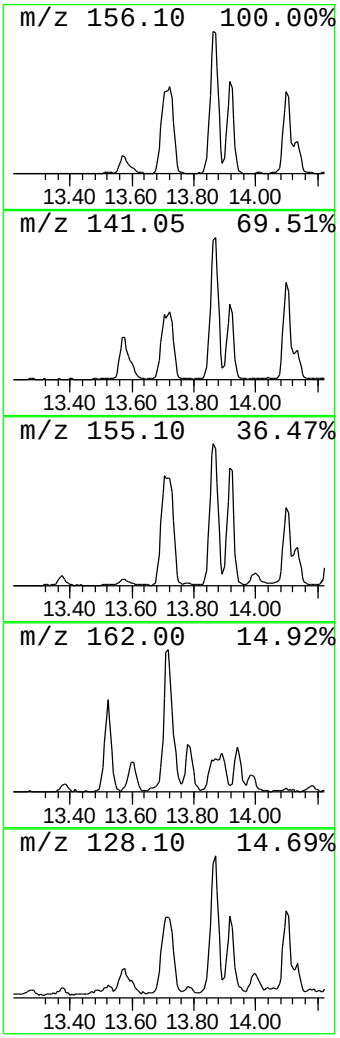
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	15.90 ng	1184620	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

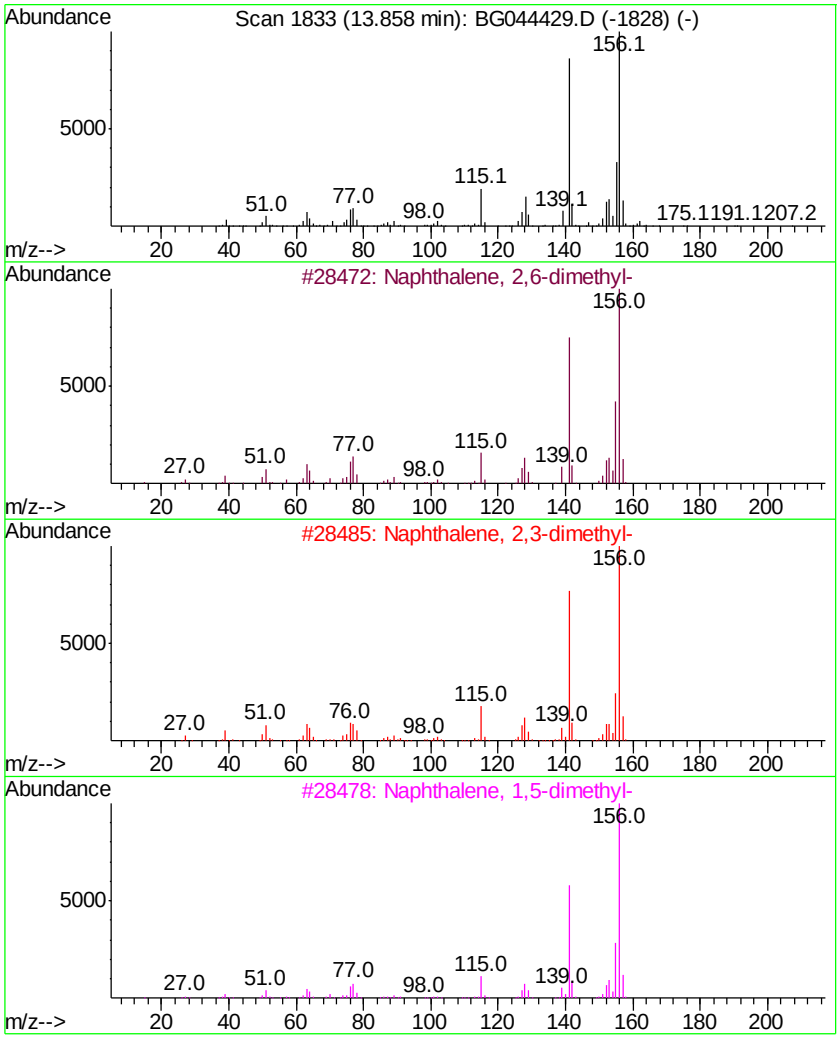
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

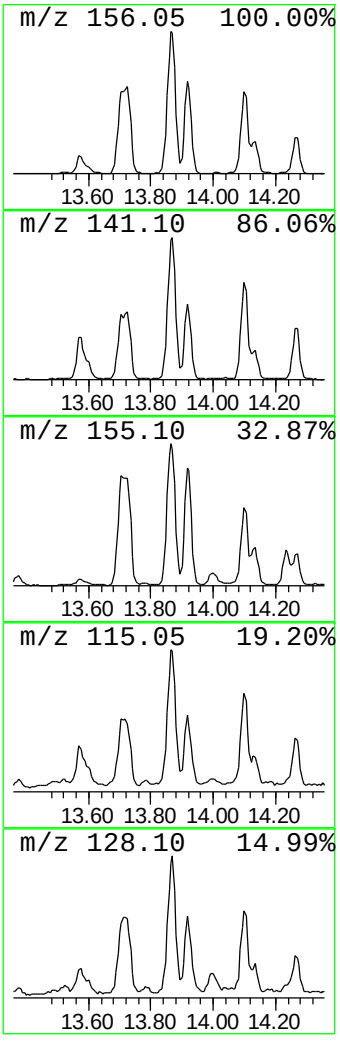
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	16.98 ng	1264650	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

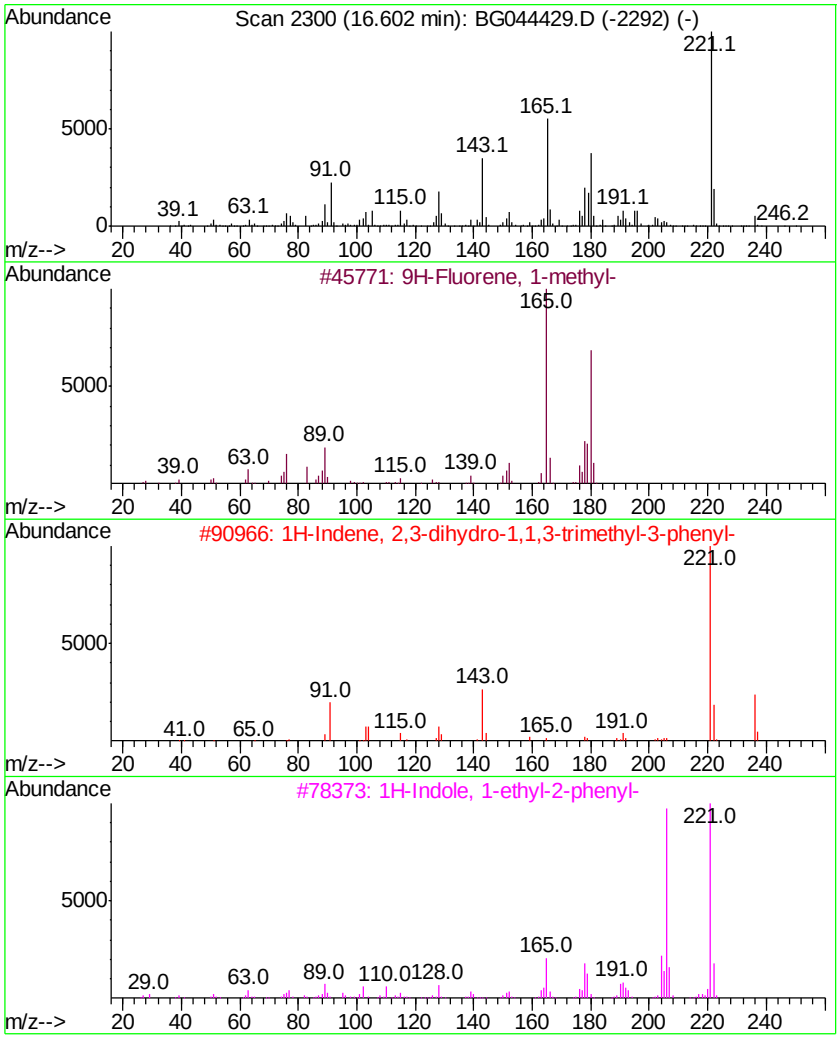
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

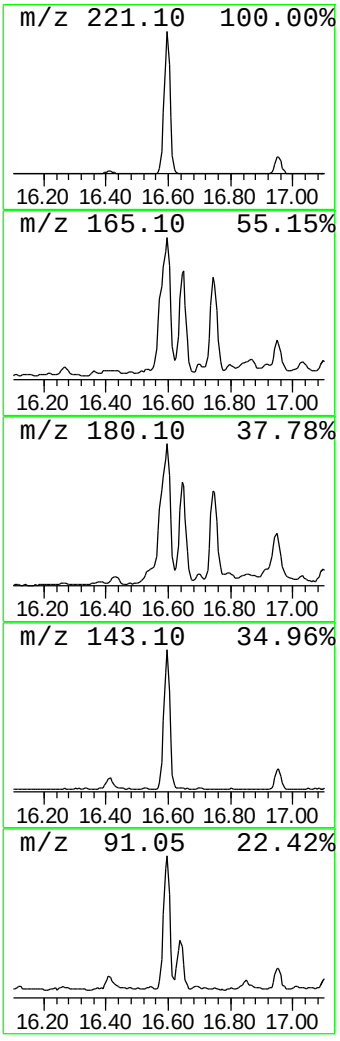
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	32.74 ng	1994100	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	53
3	1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N	013228-39-2	47
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	43
5	Benzo[h]quinoline, 2,3,4-trimethyl-	221	C16H15N	063042-66-0	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

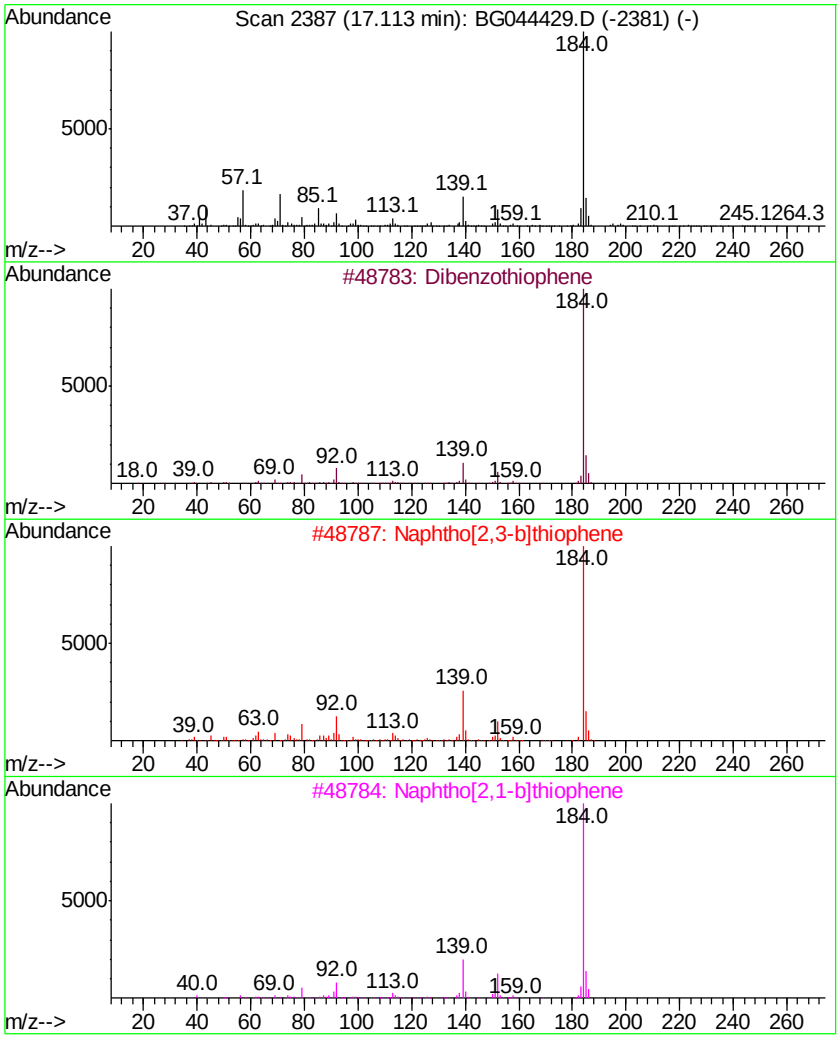
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

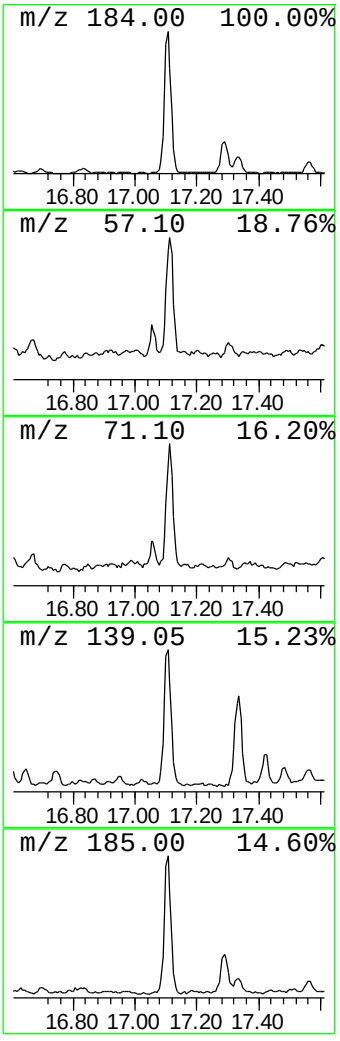
****

Peak Number 5 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	15.32 ng	933128	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

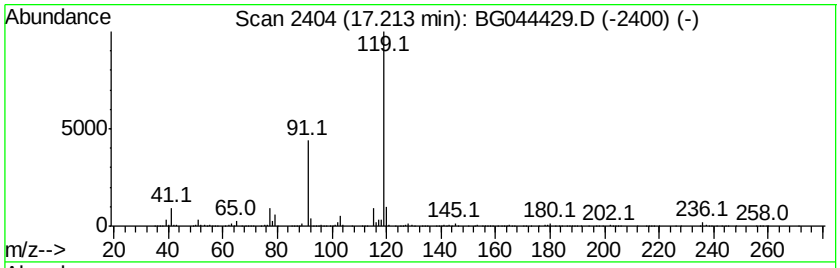
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

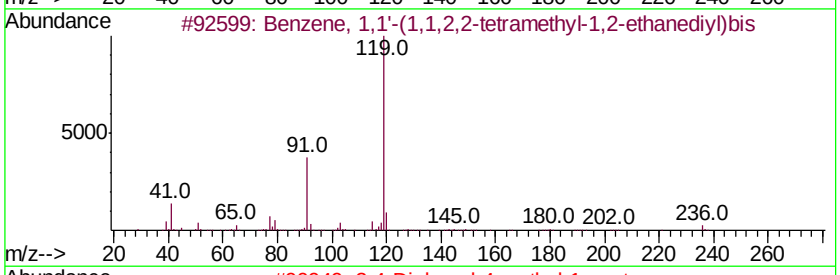
****

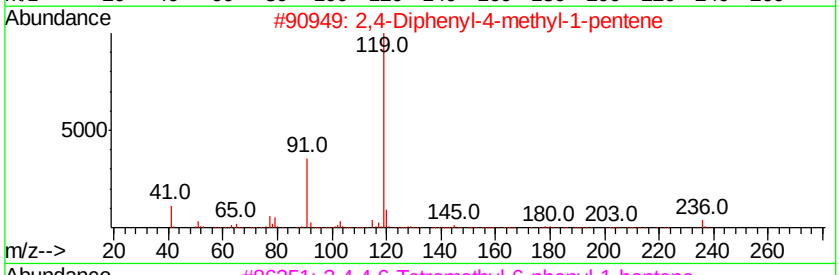
Peak Number 6 Benzene, 1,1'-(1,1,2,2-tetr... Concentration Rank 18

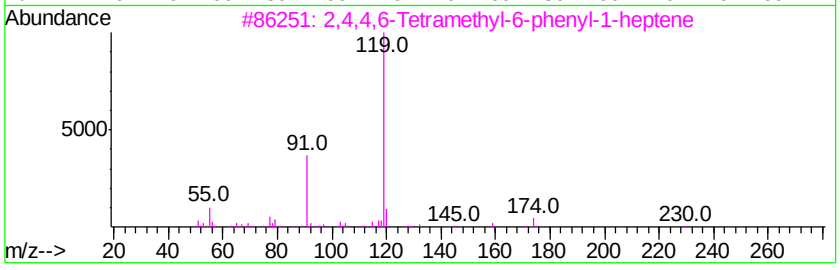
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	12.04 ng	732993	Phenanthrene-d10	17.29

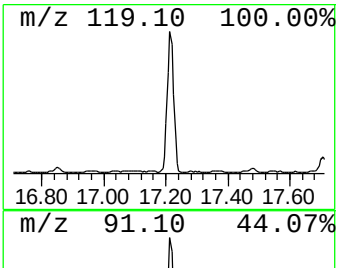
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	90
2	2,4-Diphenyl-4-methyl-1-pentene	236	C18H20	1000111-58-0	90
3	2,4,4,6-Tetramethyl-6-phenyl-1-h...	230	C17H26	1000293-27-9	78
4	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	78
5	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	74

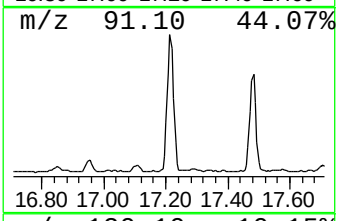


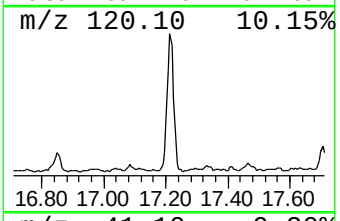


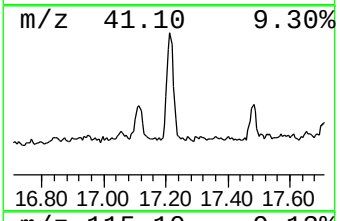


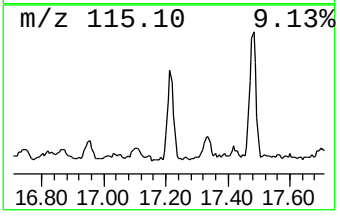












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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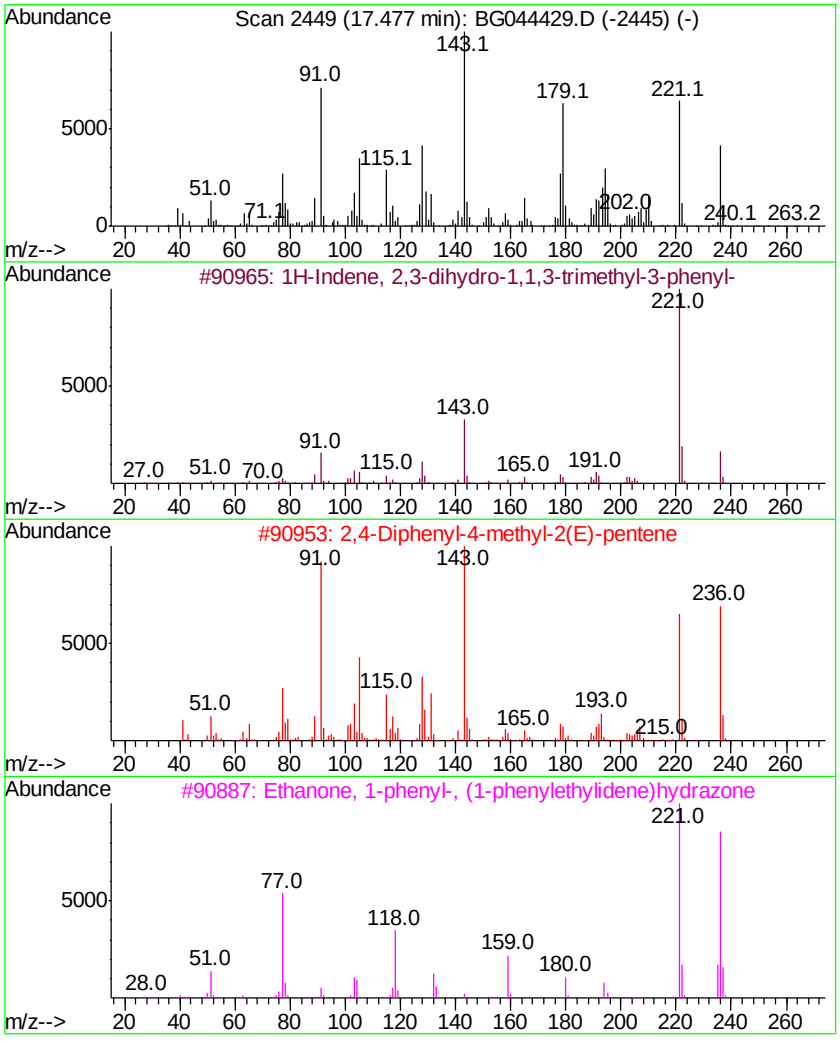
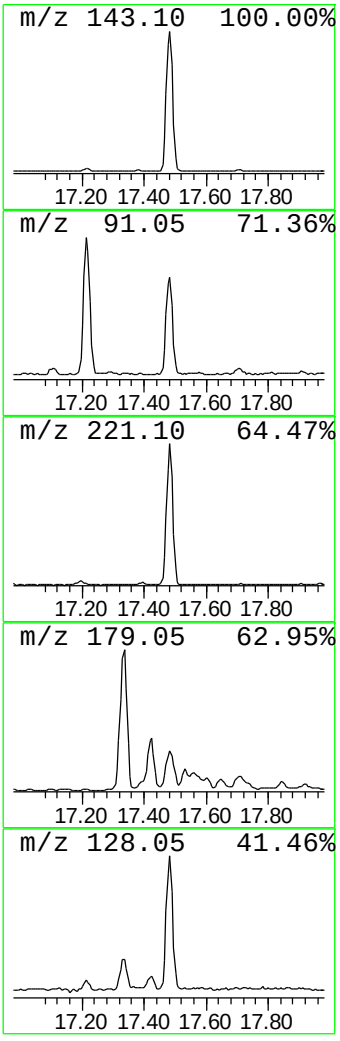
Peak Number 7 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	26.18 ng	1594280	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	83
2	2,4-Diphenyl-4-methyl-2(E)-pentene	236	C18H20	022768-22-5	83
3	Ethanone, 1-phenyl-, (1-phenylet...	236	C16H16N2	000729-43-1	47
4	2,3-Dihydro-2-methyl-4-phenyl-1H...	236	C16H16N2	111536-73-3	30
5	Benzene, [(1-methylethylidene)cy...	158	C12H14	024524-55-8	25





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Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

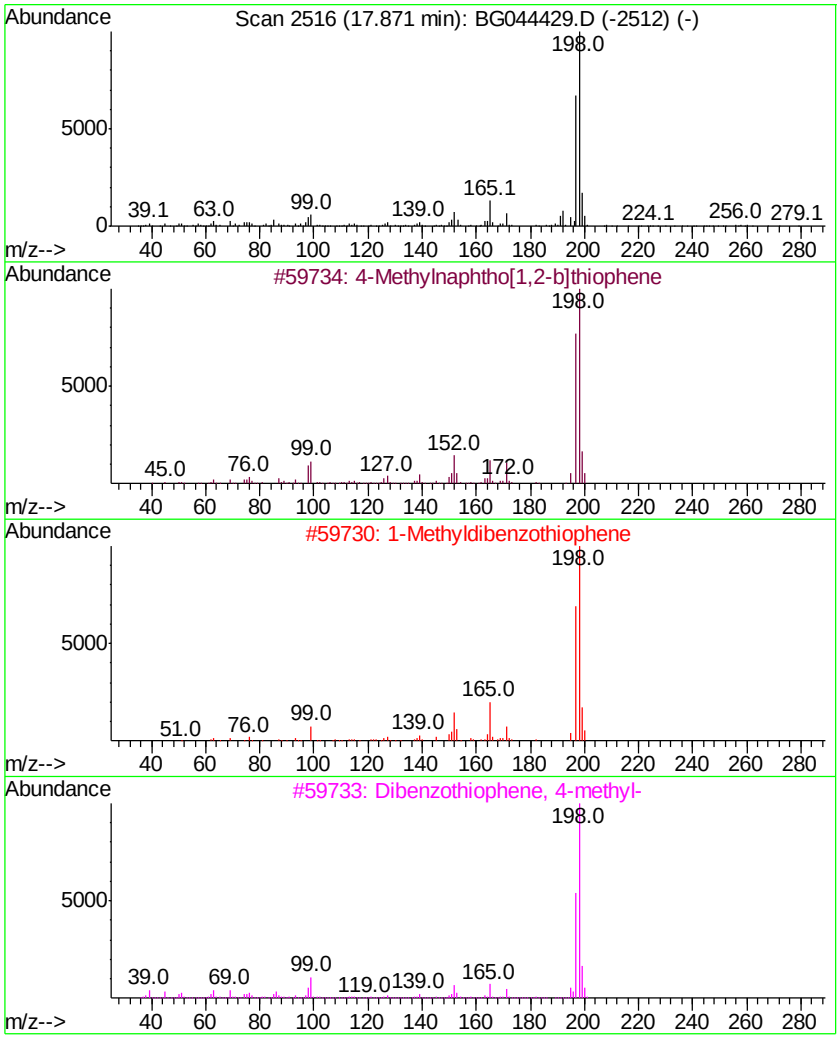
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

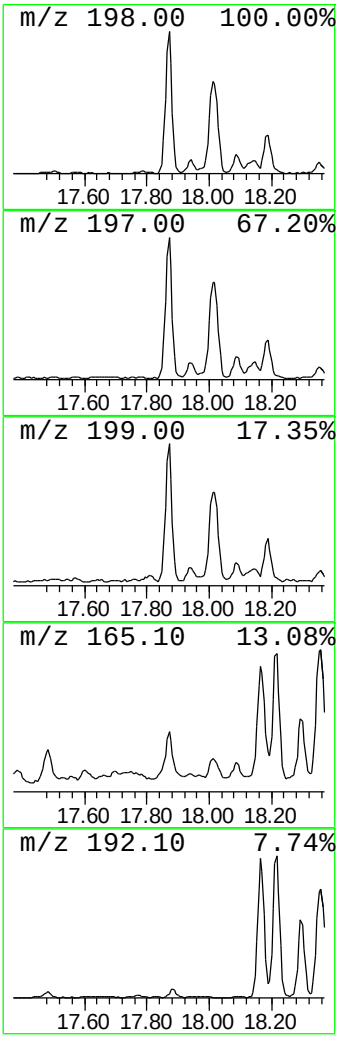
****

Peak Number 8 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	10.62 ng	646895	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





Library Search Compound Report

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Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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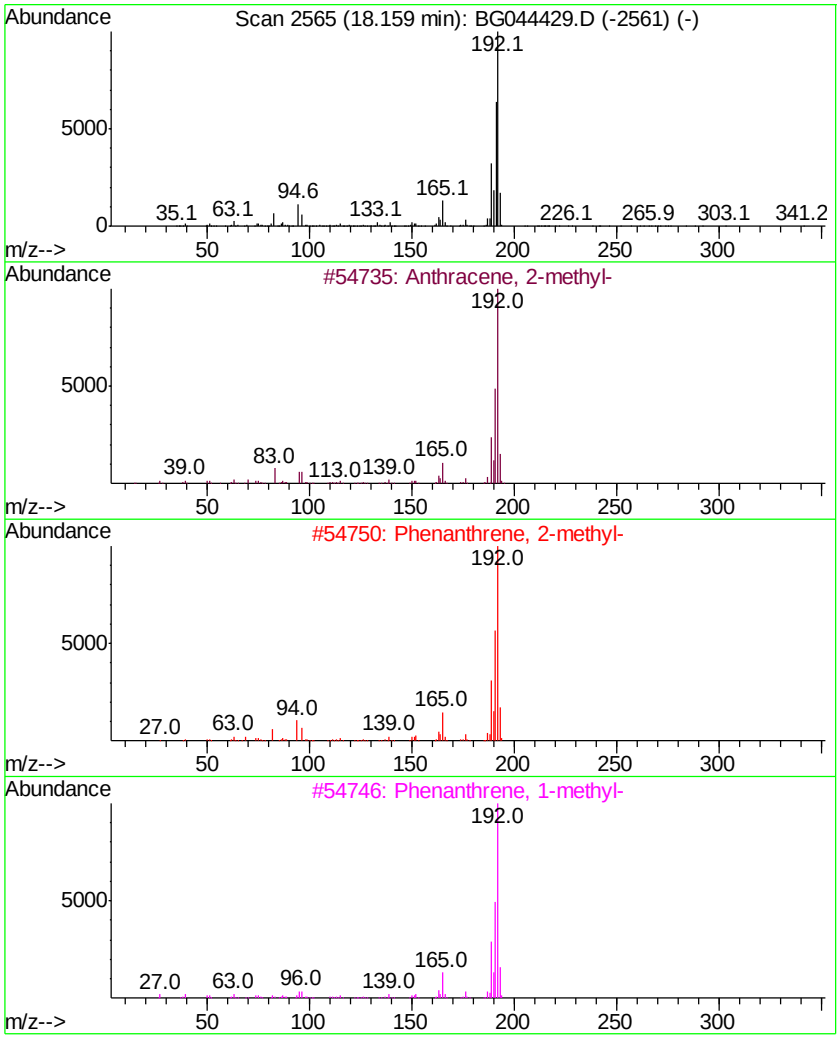
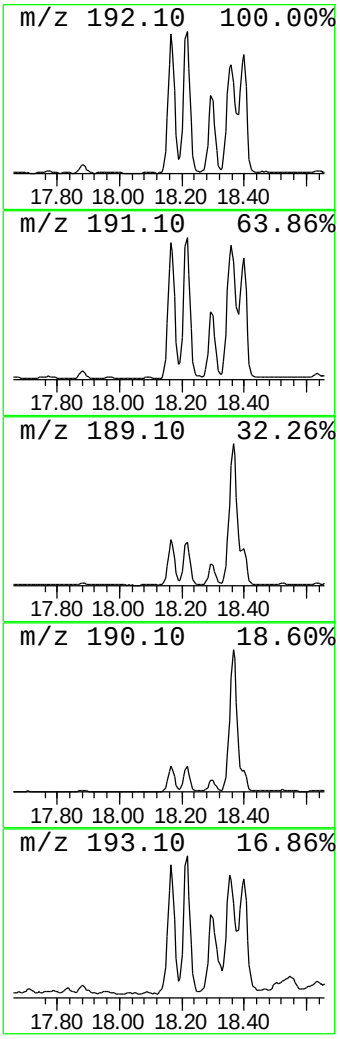
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	34.86 ng	2123370	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

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Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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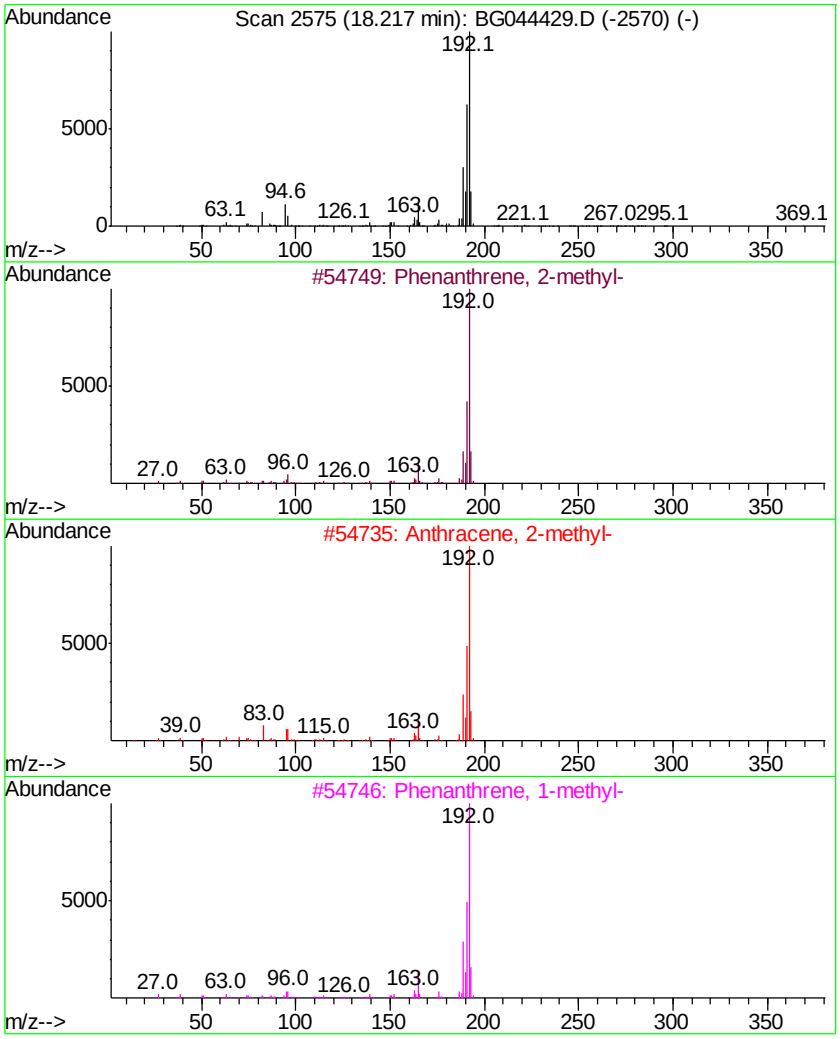
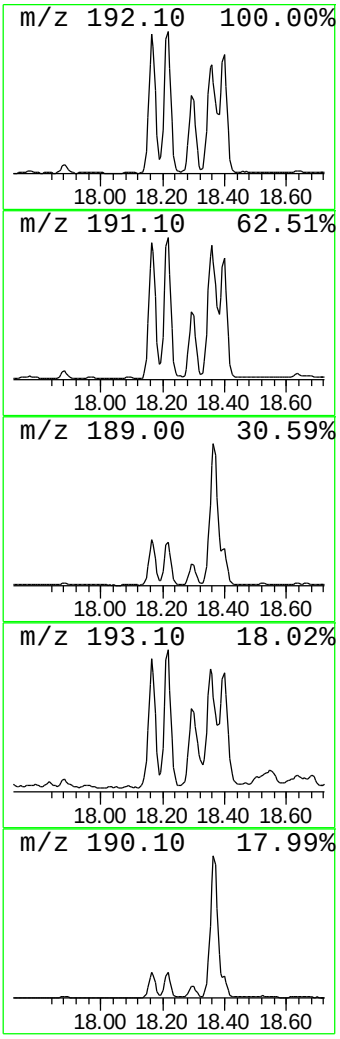
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	35.12 ng	2139010	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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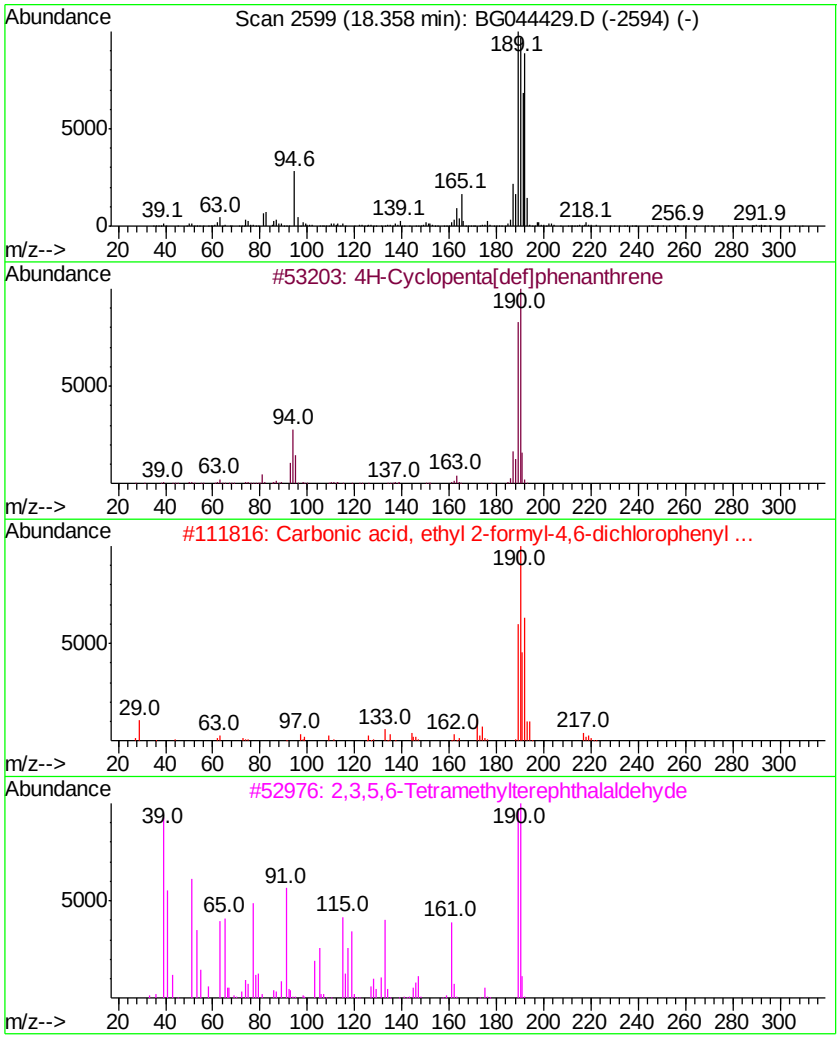
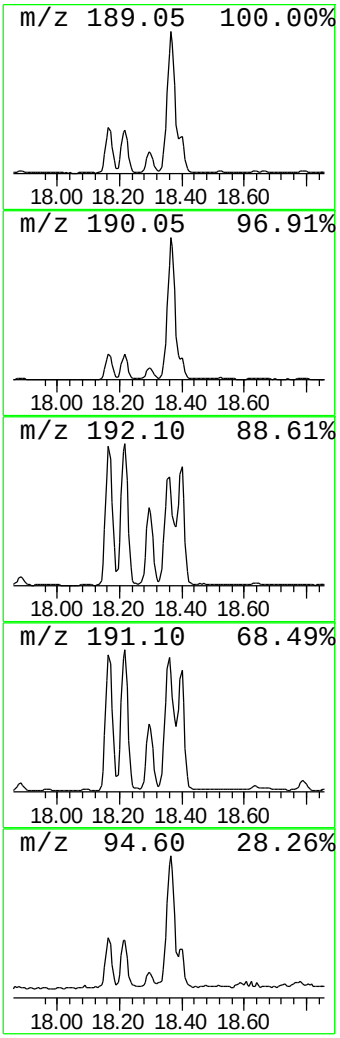
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	66.70 ng	4062540	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18





Library Search Compound Report

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Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
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Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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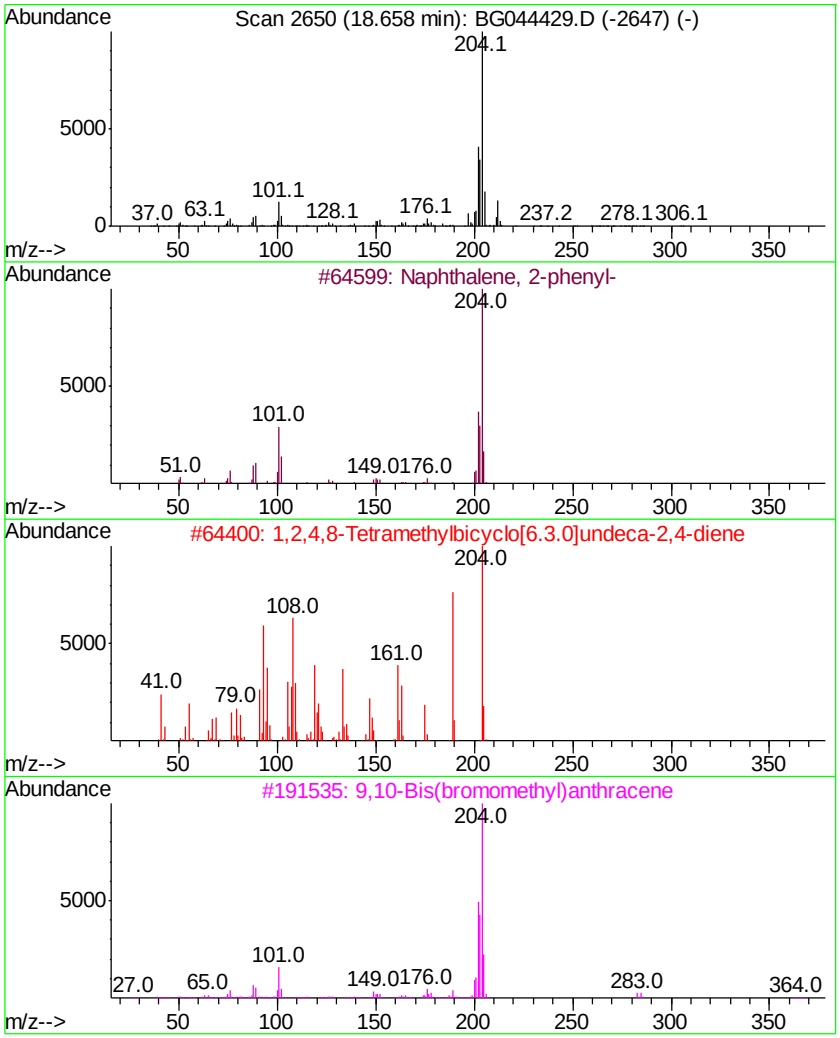
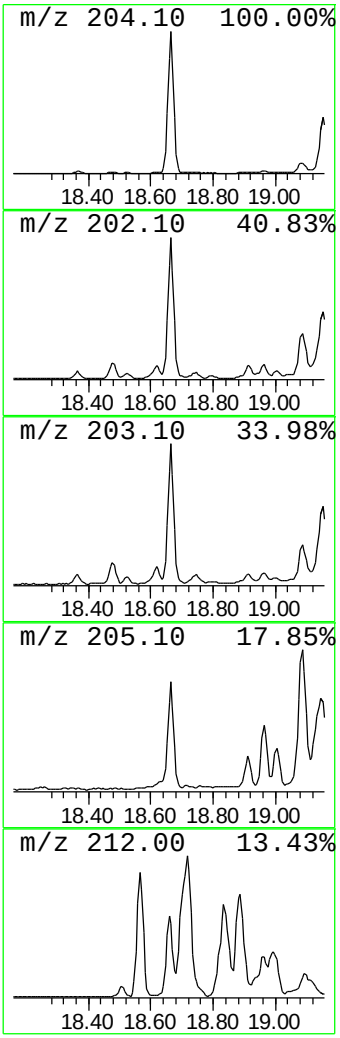
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	16.59 ng	1010570	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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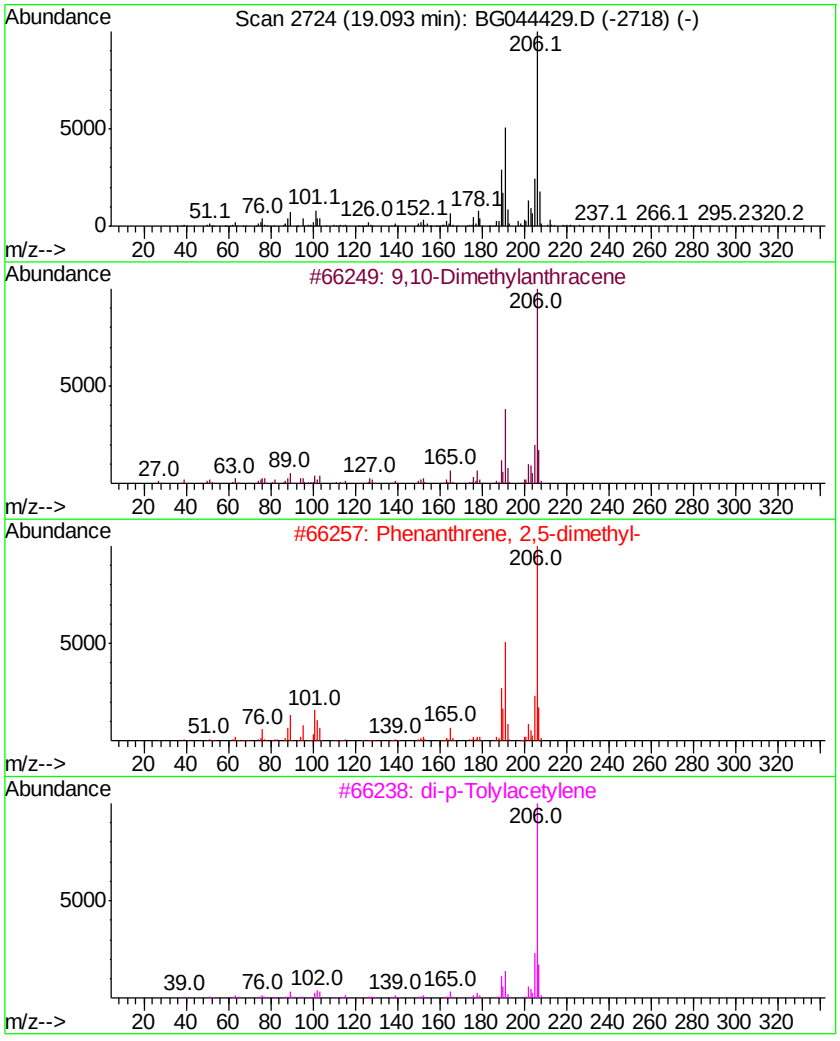
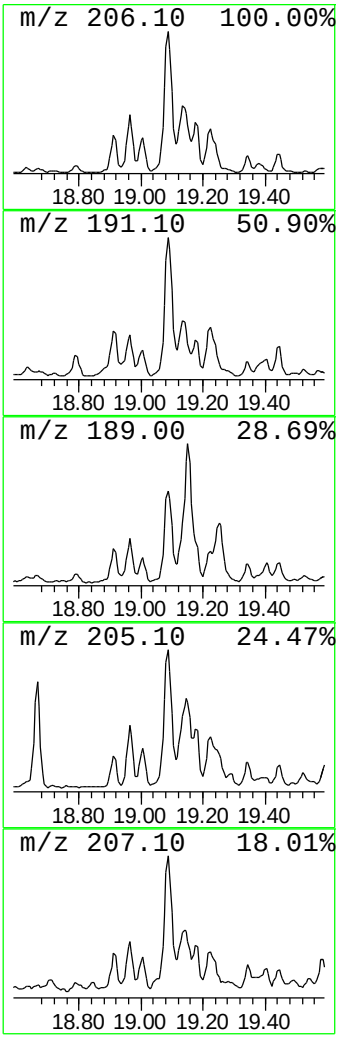
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	24.52 ng	1493690	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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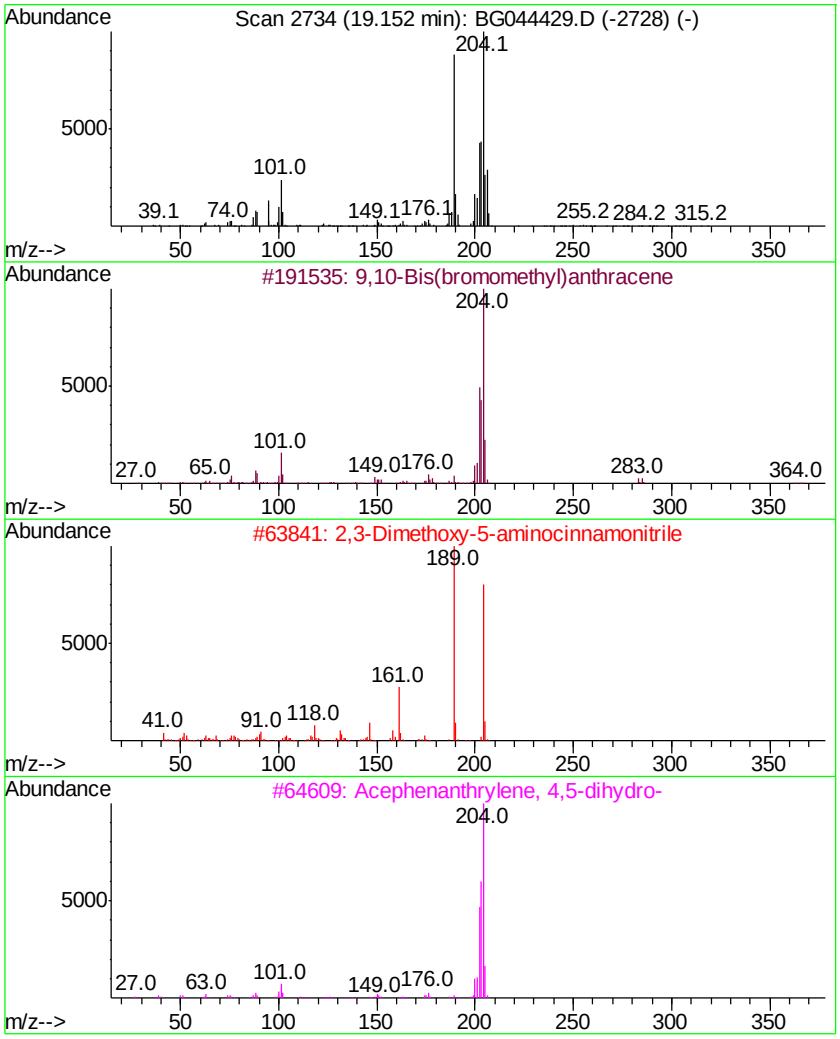
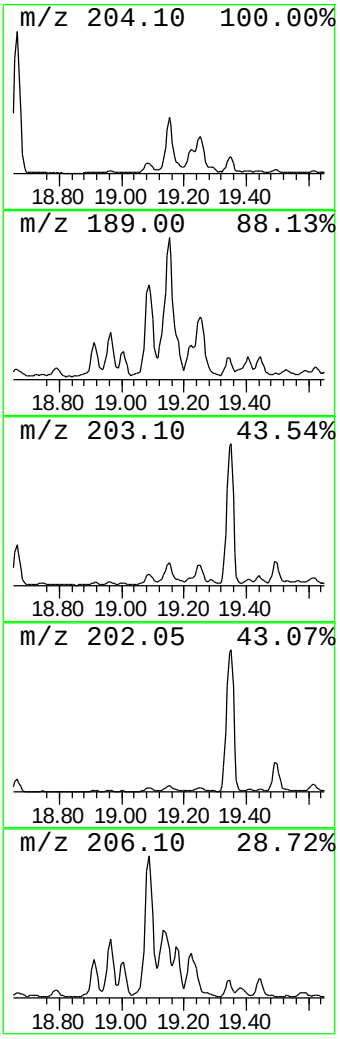
Peak Number 17 unknown19.15 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	14.96 ng	910919	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
2	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	46
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
4	(7-Isopropylidenebicyclo[2.2.1]h...	204	C13H16O2	1000211-02-2	38
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38





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Sample : L1509-03
Misc :
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ClientSampleId : AOC-3-SP-D

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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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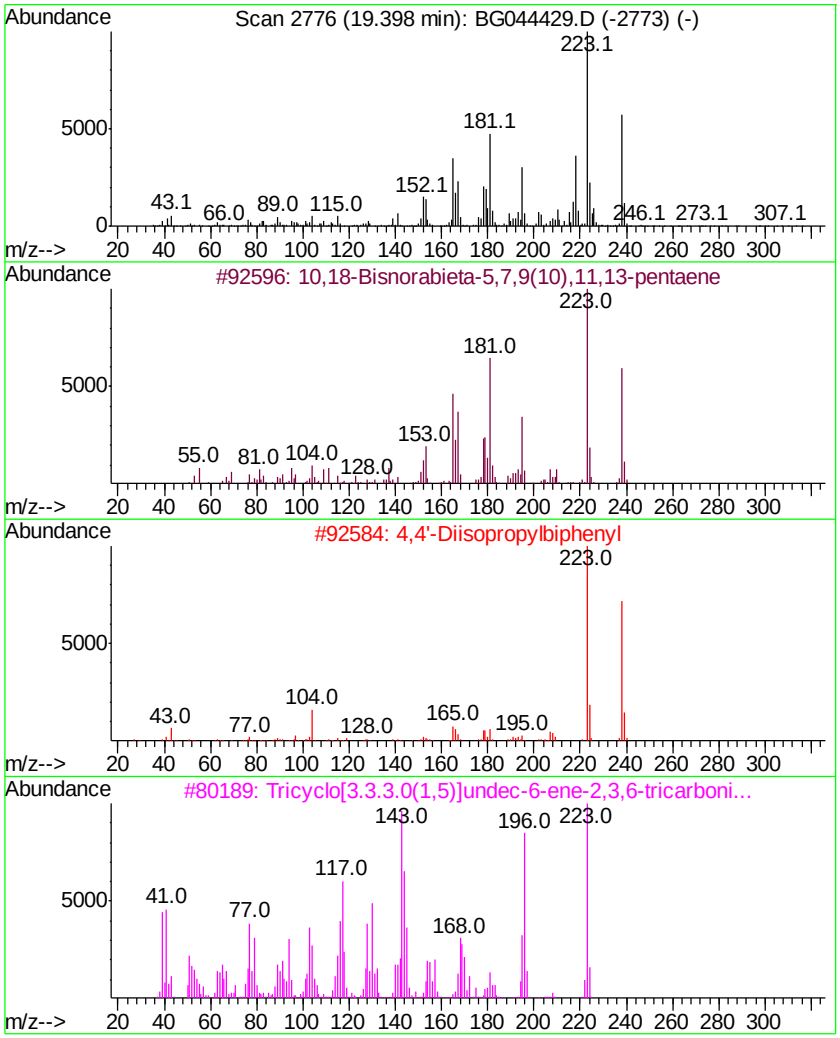
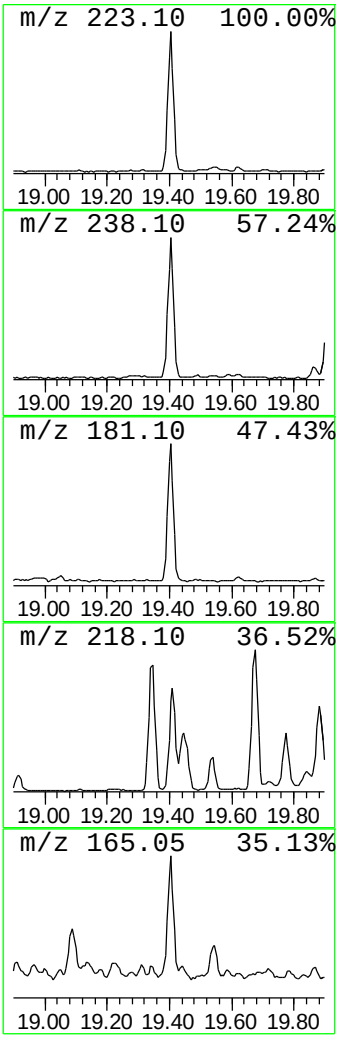
Peak Number 18 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	20.85 ng	1269690	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	98
2	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	70
3	Tricyclo[3.3.3.0(1,5)]undec-6-en...	223	C14H13N3	118894-71-6	64
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	50
5	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	41





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

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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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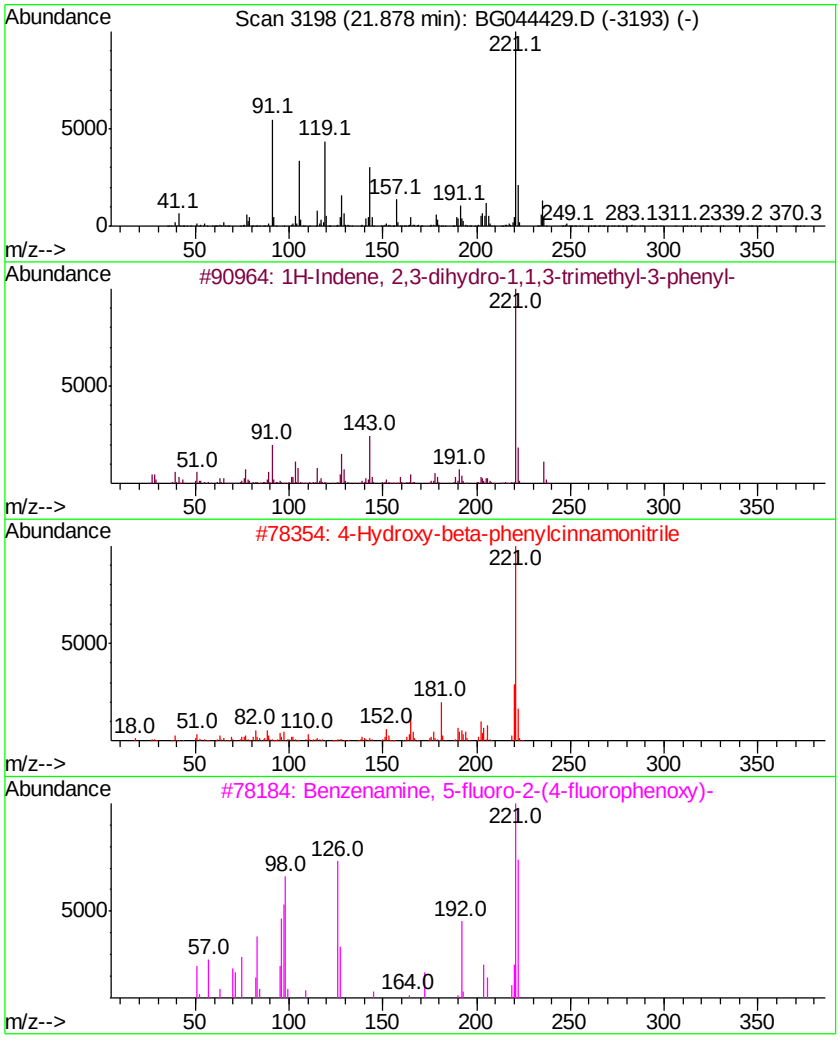
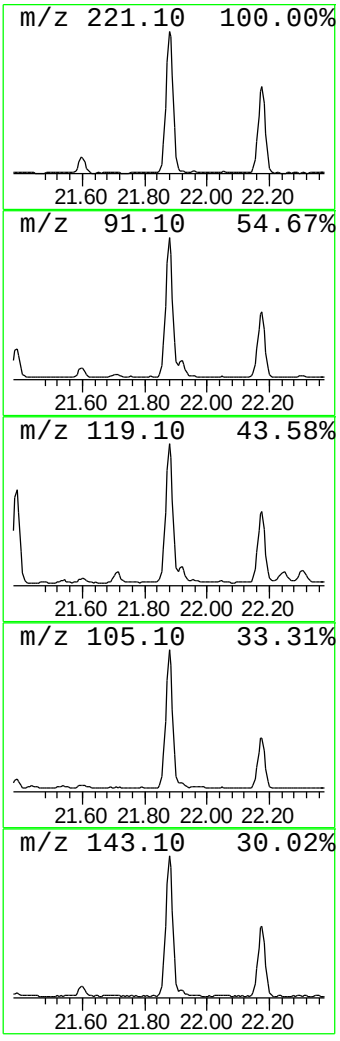
Peak Number 19 unknown21.88 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.88	16.54 ng	4727270	Chrysene-d12	21.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	47
2	4-Hydroxy-beta-phenylcinnamonitrile	221	C15H11NO	016281-90-6	45
3	Benzenamine, 5-fluoro-2-(4-fluor...	221	C12H9F2NO	020653-64-9	43
4	2,3-Dihydro-2-methyl-4-phenyl-1H...	236	C16H16N2	111536-73-3	38
5	2(1H)-Quinolinone, 4-phenyl-	221	C15H11NO	005855-57-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

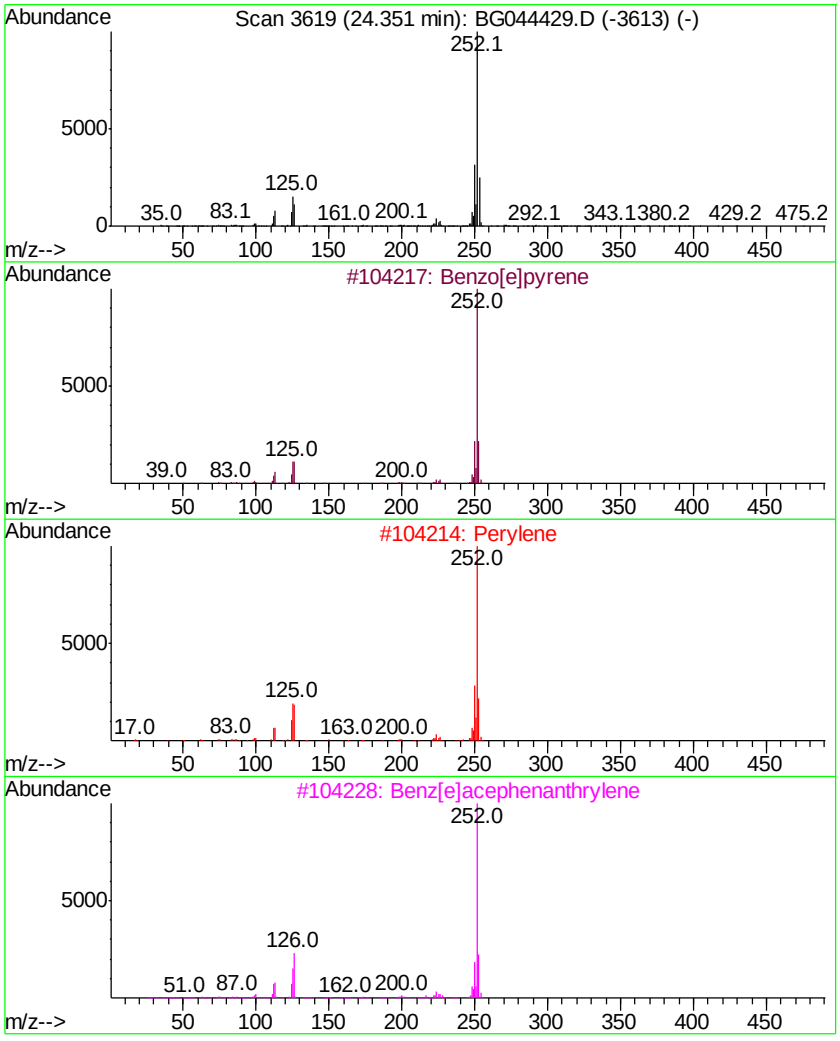
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

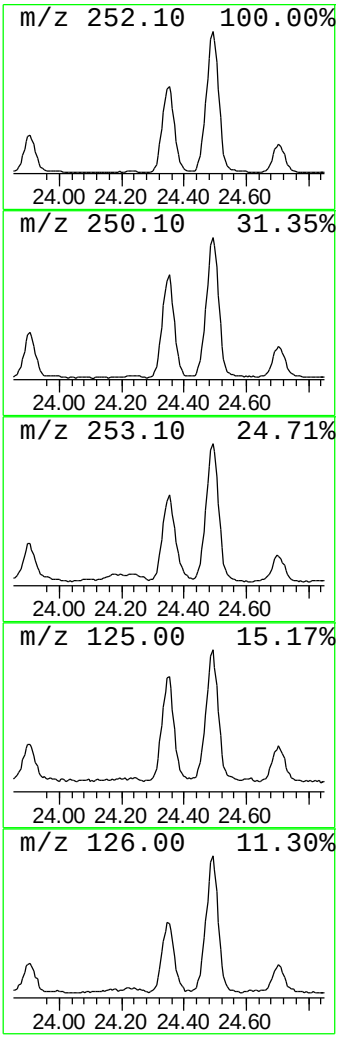
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.35	49.66 ng	1814020	Perylene-d12	24.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021320\
Data File : BG044429.D
Acq On : 13 Feb 2020 22:35
Operator : CG/JU
Sample : L1509-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-3-SP-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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-...	13.72	15.9	ng	1184620	3	14.54	1489990	20.0
Naphthalene, 2,6-...	13.86	17.0	ng	1264650	3	14.54	1489990	20.0
9H-Fluorene, 1-me...	16.60	32.7	ng	1994100	4	17.29	1218100	20.0
Dibenzothiophene	17.11	15.3	ng	933128	4	17.29	1218100	20.0
Benzene, 1,1'-(1,...	17.21	12.0	ng	732993	4	17.29	1218100	20.0
1H-Indene, 2,3-di...	17.48	26.2	ng	1594280	4	17.29	1218100	20.0
4-Methylnaphtho[1...	17.87	10.6	ng	646895	4	17.29	1218100	20.0
Anthracene, 2-met...	18.16	34.9	ng	2123370	4	17.29	1218100	20.0
Phenanthrene, 2-m...	18.22	35.1	ng	2139010	4	17.29	1218100	20.0
4H-Cyclopenta[def...	18.36	66.7	ng	4062540	4	17.29	1218100	20.0
Naphthalene, 2-ph...	18.66	16.6	ng	1010570	4	17.29	1218100	20.0
9,10-Dimethylanth...	19.09	24.5	ng	1493690	4	17.29	1218100	20.0
unknown19.15	19.15	15.0	ng	910919	4	17.29	1218100	20.0
10,18-Bisnorabiet...	19.40	20.9	ng	1269690	4	17.29	1218100	20.0
unknown21.88	21.88	16.5	ng	4727270	5	21.54	5715100	20.0
Benzo[e]pyrene	24.35	49.7	ng	1814020	6	24.63	730643	20.0