LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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	5.004	320	326	331	rBV3	17233	30007	1.36%	0.099%
2	5.480	400	407	416	rBV	499161	824636	37.38%	2.707%
3	5.926	477	483	490	rVB4	15934	30682	1.39%	0.101%
4	7.072	670	678	687	rBV	515190	947811	42.96%	3.112%
5	7.542	752	758	767	rBV2	37759	75452	3.42%	0.248%
6	7.901	813	819	830	rBV	323380	555772	25.19%	1.825%
7	8.224	862	874	881	rVV	417032	767893	34.81%	2.521%
8	8.453	908	913	919	rVB6	14932	29362	1.33%	0.096%
9	8.682	947	952	956	rBV2	13755	24531	1.11%	0.081%
10	9.058	1000	1016	1024	rBV	316150	645014	29.24%	2.117%
11	9.146	1027	1031	1037	rVV	88610	140333	6.36%	0.461%
12	9.264	1041	1051	1057	rVB7	15392	48904	2.22%	0.161%
13	9.898	1154	1159	1166	rVB5	15698	33189	1.50%	0.109%
14	9.998	1166	1176	1180	rVB7	10306	30724	1.39%	0.101%
15	10.110	1191	1195	1198	rBV3	13980	23630	1.07%	0.078%
16	10.703	1286	1296	1302	rBV	491781	958210	43.43%	3.146%
17	10.750	1302	1304	1314	rVB	50757	82599	3.74%	0.271%
18	10.885	1322	1327	1332	rVB2	30800	49762	2.26%	0.163%
19	11.637	1447	1455	1461	rVB9	13430	31170	1.41%	0.102%
20	11.743	1467	1473	1482	rBV2	41301	89870	4.07%	0.295%
21	12.137	1535	1540	1550	rBV	65625	113109	5.13%	0.371%
22	12.254	1557	1560	1568	rVB5	11468	25597	1.16%	0.084%
23	12.366	1570	1579	1587	rVB2	70223	138921	6.30%	0.456%
24	12.583	1606	1616	1625	rVB	108511	205220	9.30%	0.674%
25	13.094	1698	1703	1708	rVB	38350	53262	2.41%	0.175%
26	13.165	1708	1715	1726	rVB	763585	1244617	56.42%	4.086%
27	13.376	1746	1751	1758	rVB	60439	100210	4.54%	0.329%
28	13.705	1799	1807	1816	rBV3	89536	241607	10.95%	0.793%
29	13.864	1824	1834	1839	rBV	134422	250429	11.35%	0.822%
30	13.917	1839	1843	1849	rVB	69462	104612	4.74%	0.343%
31	13.993	1849	1856	1860	rBV3	45740	91532	4.15%	0.300%
32	14.040	1860	1864	1867	rVB3	34823	43268	1.96%	0.142%
33	14.099	1868	1874	1877	rBV	76213	120698	5.47%	0.396%
34	14.264	1895	1902	1910	rBV	82059	164567	7.46%	0.540%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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	14.381	1918	1922	1929	rVB5	25142	46419	2.10%	0.152%
36	14.452	1929	1934	1939	rBV3	34220	55842	2.53%	0.183%
37	14.540	1939	1949	1955	rVV	727244	1203244	54.54%	3.950%
38	14.604	1955	1960	1969	rVV	261340	439342	19.91%	1.442%
39	14.675	1969	1972	1980	rVB8	15433	29713	1.35%	0.098%
40	14.757	1980	1986	1995	rBV3	36134	94994	4.31%	0.312%
41	14.834	1995	1999	2004	rBV5	15914	34727	1.57%	0.114%
42	14.945	2011	2018	2024	rVB	77301	149873	6.79%	0.492%
43	15.016	2025	2030	2035	rVB	76957	111674	5.06%	0.367%
44	15.074	2036	2040	2046	rVB8	24326	41575	1.88%	0.136%
45	15.163	2048	2055	2060	rBV3	65752	140594	6.37%	0.462%
46	15.215	2060	2064	2068	rVB	50700	74024	3.36%	0.243%
47	15.333	2077	2084	2088	rBV3	47082	106848	4.84%	0.351%
48	15.409	2093	2097	2101	rBV3	18494	24279	1.10%	0.080%
49	15.586	2122	2127	2139	rVB2	142579	266746	12.09%	0.876%
50	15.686	2140	2144	2146	rBV2	56595	86282	3.91%	0.283%
51	15.715	2146	2149	2152	rVB2	62622	81277	3.68%	0.267%
52	15.750	2152	2155	2159	rVB3	26056	34622	1.57%	0.114%
53	15.803	2159	2164	2168	rBV3	75075	121653	5.51%	0.399%
54	15.885	2173	2178	2187	rVB3	44688	105488	4.78%	0.346%
55	16.026	2194	2202	2211	rBV	628854	1037448	47.03%	3.406%
56	16.261	2237	2242	2245	rBV3	83840	143204	6.49%	0.470%
57	16.408	2263	2267	2270	rBV	16274	28494	1.29%	0.094%
58	16.590	2291	2298	2303	rBV2	133927	237915	10.78%	0.781%
59	16.643	2303	2307	2313	rVB2	82152	125632	5.69%	0.412%
60	16.743	2320	2324	2330	rVB2	64204	95899	4.35%	0.315%
61	16.949	2355	2359	2365	rVB5	48292	82760	3.75%	0.272%
62	17.107	2381	2386	2393	rVB2	95486	165379	7.50%	0.543%
63	17.284	2410	2416	2420	rBV	796628	1245649	56.46%	4.089%
64	17.325	2420	2423	2429	rVB	663831	967862	43.87%	3.177%
65	17.419	2434	2439	2444	rVB	280208	409140	18.55%	1.343%
66	17.478	2444	2449	2455	rBV3	66926	127376	5.77%	0.418%
67	17.689	2482	2485	2486	rBV	26808	28794	1.31%	0.095%
68	17.807	2502	2505	2509	rVB2	43516	55831	2.53%	0.183%
69	17.865	2511	2515	2522	rVV2	74411	120073	5.44%	0.394%
70	18.006	2535	2539	2548	rVB2	49108	97185	4.41%	0.319%
71	18.159	2561	2565	2570	rBV	191474	314531	14.26%	1.033%

LSC Area Percent Report

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Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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	18.212	2570	2574	2579	rVB	219566	332861	15.09%	1.093%
73	18.288	2582	2587	2592	rBV	125941	207933	9.43%	0.683%
74	18.353	2593	2598	2602	rVV2	374605	706404	32.02%	2.319%
75	18.388	2602	2604	2612	rVB	179552	272231	12.34%	0.894%
76	18.659	2646	2650	2654	rBV	128988	168078	7.62%	0.552%
77	18.905	2689	2692	2696	rVB	78699	101290	4.59%	0.333%
78	18.958	2698	2701	2704	rBV	56666	66338	3.01%	0.218%
79	19.040	2712	2715	2717	rBV4	37462	48630	2.20%	0.160%
80	19.082	2717	2722	2726	rVV	157138	251376	11.39%	0.825%
81	19.140	2726	2732	2735	rVV4	81375	154390	7.00%	0.507%
82	19.217	2741	2745	2747	rBV2	57233	86907	3.94%	0.285%
83	19.340	2760	2766	2772	rBV	1074017	1506841	68.30%	4.947%
84	19.399	2772	2776	2780	rBV2	166800	217660	9.87%	0.715%
85	19.487	2787	2791	2795	rBV	118343	172253	7.81%	0.565%
86	19.581	2804	2807	2810	rBV	55592	73900	3.35%	0.243%
87	19.698	2818	2827	2836	rBV	1121174	1869208	84.73%	6.136%
88	19.781	2837	2841	2846	rVB4	76536	124070	5.62%	0.407%
89	19.898	2857	2861	2866	rVB	1061716	1324005	60.02%	4.347%
90	20.028	2878	2883	2889	rBV2	102224	236338	10.71%	0.776%
91	20.116	2894	2898	2902	rBV	197348	274403	12.44%	0.901%
92	20.192	2908	2911	2915	rVB	260052	330537	14.98%	1.085%
93	20.292	2925	2928	2933	rVB	199676	235871	10.69%	0.774%
94	20.351	2934	2938	2942	rVV	154843	212250	9.62%	0.697%
95	20.492	2959	2962	2965	rBV	92983	103402	4.69%	0.339%
96	20.533	2966	2969	2973	rVB	118335	162751	7.38%	0.534%
97	21.173	3074	3078	3081	rBV2	106334	204764	9.28%	0.672%
98	21.532	3131	3139	3143	rBV2	964781	2206113	100.00%	7.242%
99	21.573	3143	3146	3158	rVB	435509	798735	36.21%	2.622%
100	24.622	3658	3665	3672	rBV2	448167	1162276	52.68%	3.816%

Sum of corrected areas: 30461403

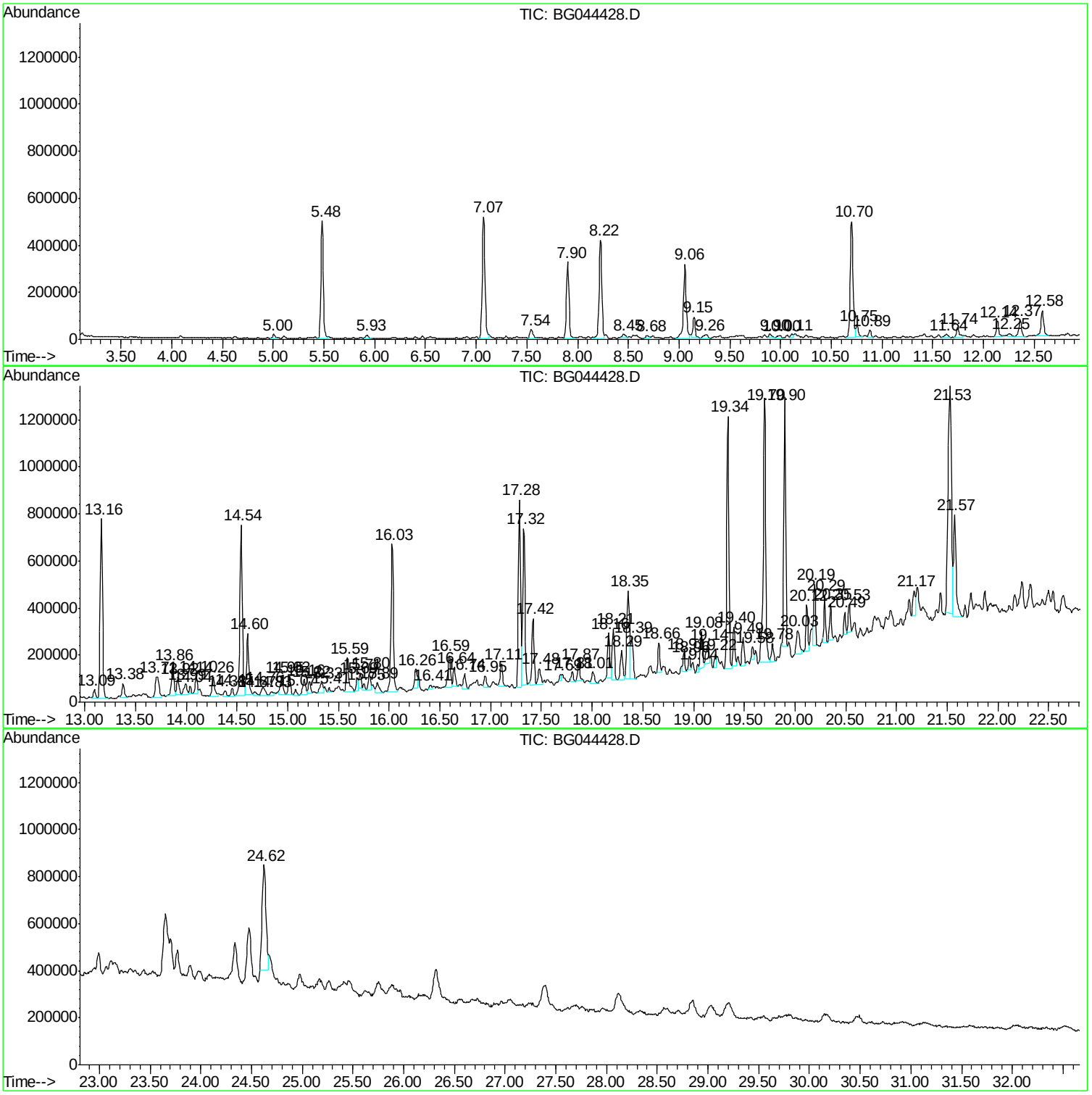
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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 : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

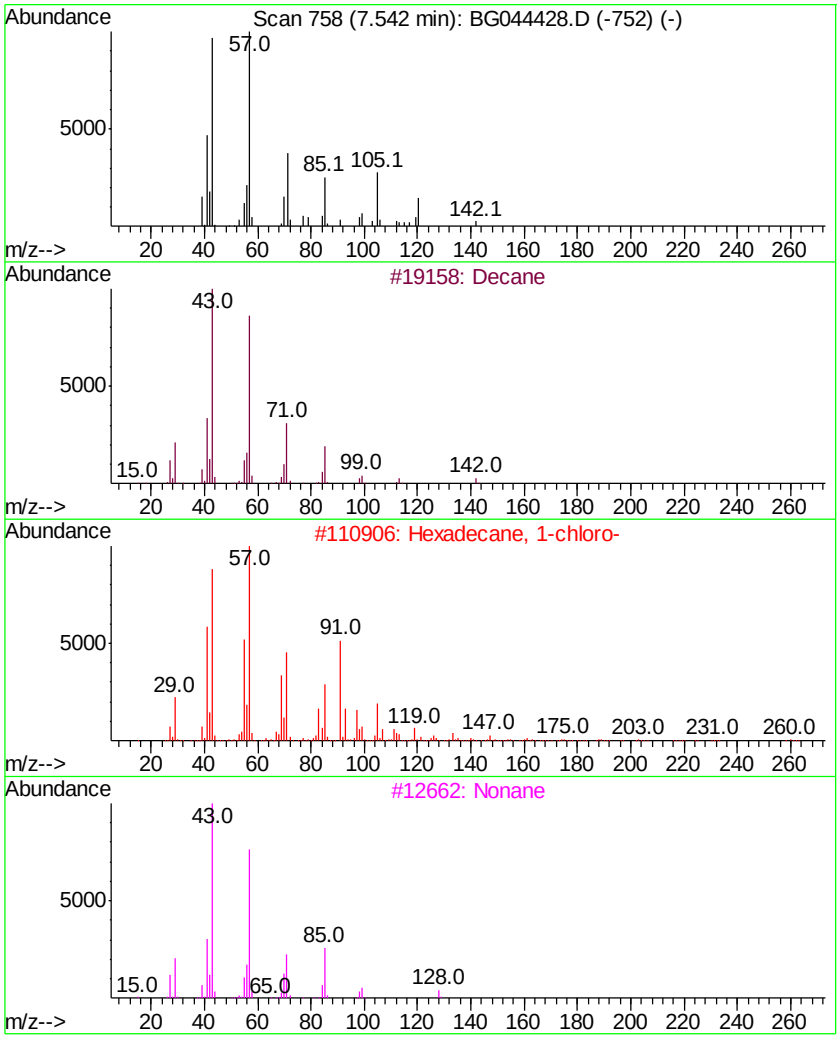
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

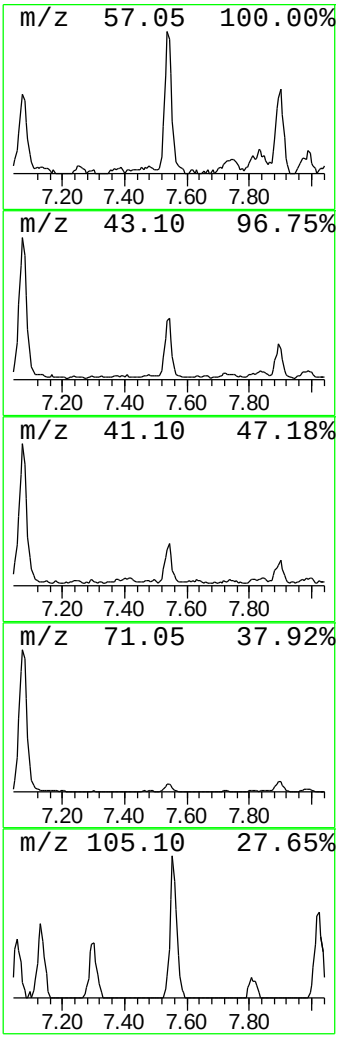
****

Peak Number 1 Decane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	2.72 ng	75452	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	70
2	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	53
3	Nonane	128	C9H20	000111-84-2	53
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	50
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

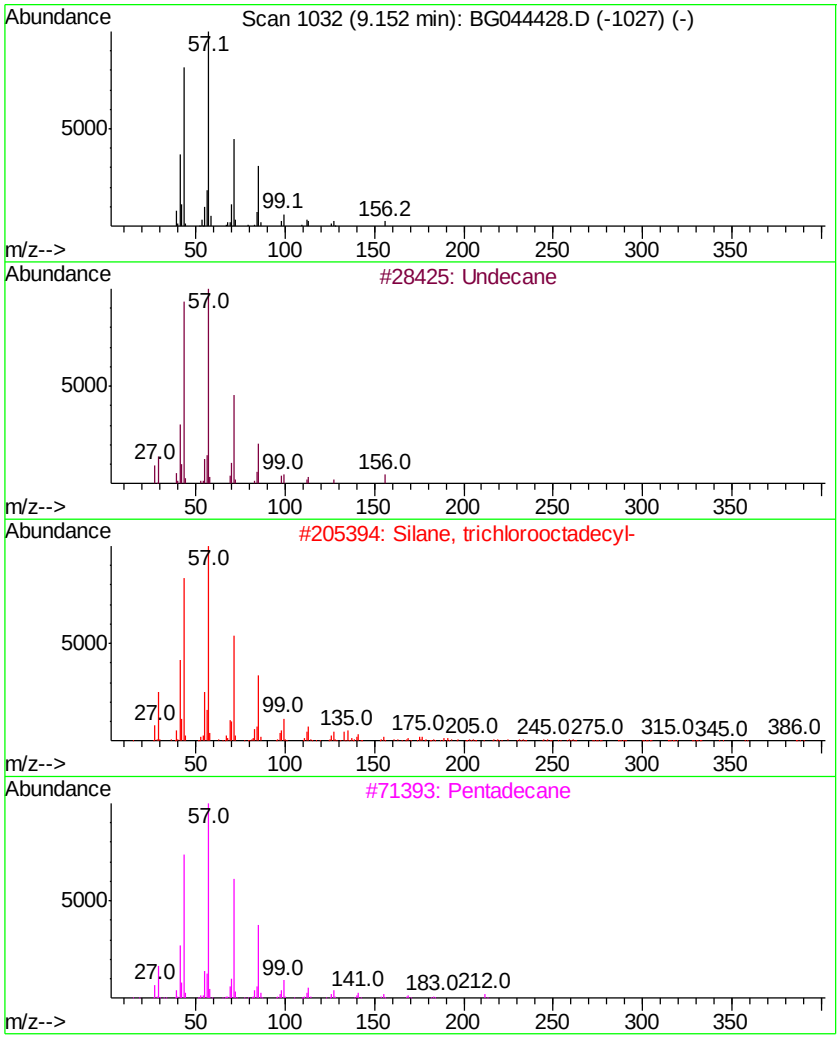
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

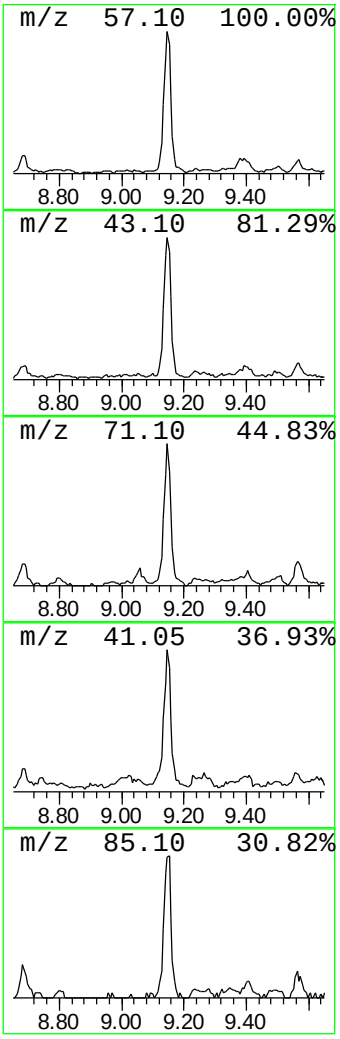
****

Peak Number 3 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	5.05 ng	140333	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83
3	Pentadecane	212	C15H32	000629-62-9	78
4	Octacosane	394	C28H58	000630-02-4	78
5	Hexatriacontane	507	C36H74	000630-06-8	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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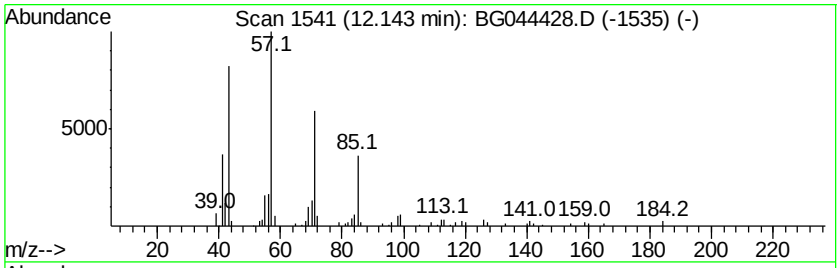
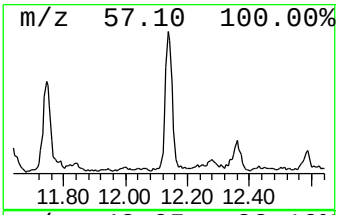
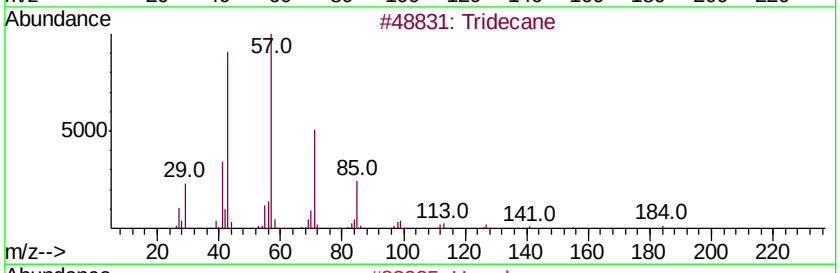
Peak Number 4 Tridecane Concentration Rank 20

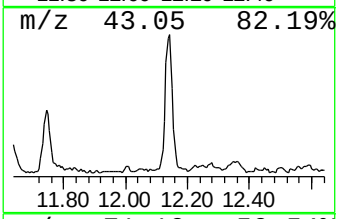
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.36 ng	113109	Naphthalene-d8	10.70

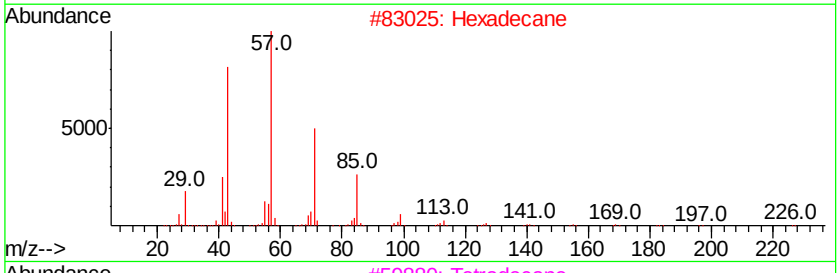
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
5	Decane	142	C10H22	000124-18-5	72

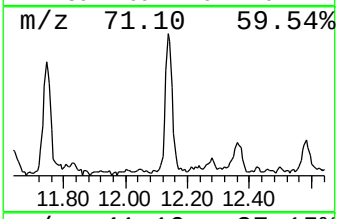


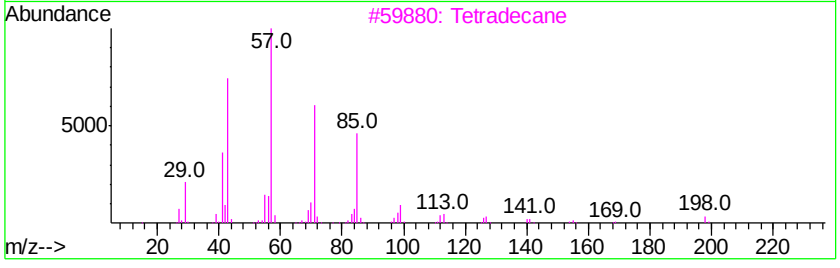


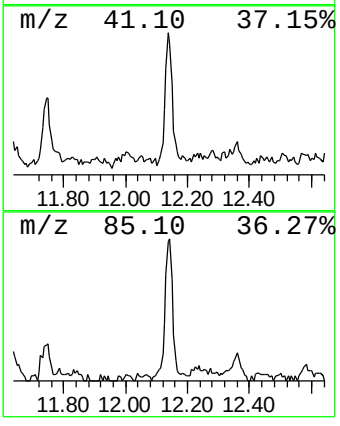












Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

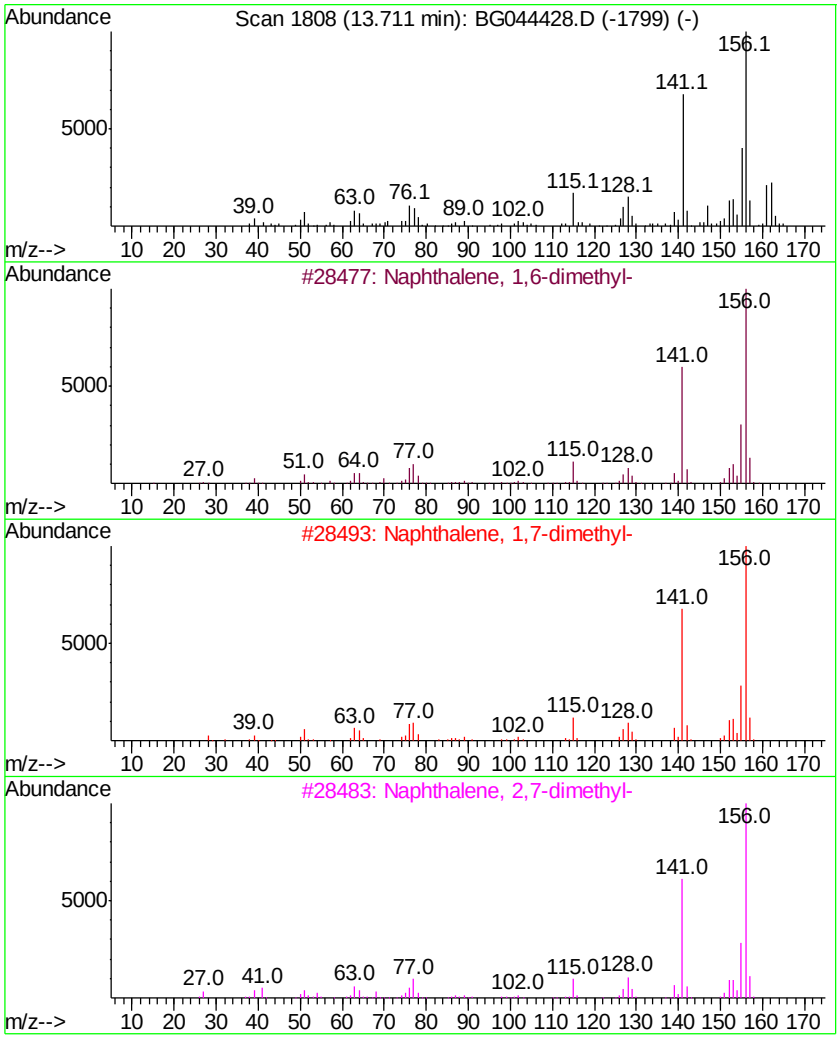
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

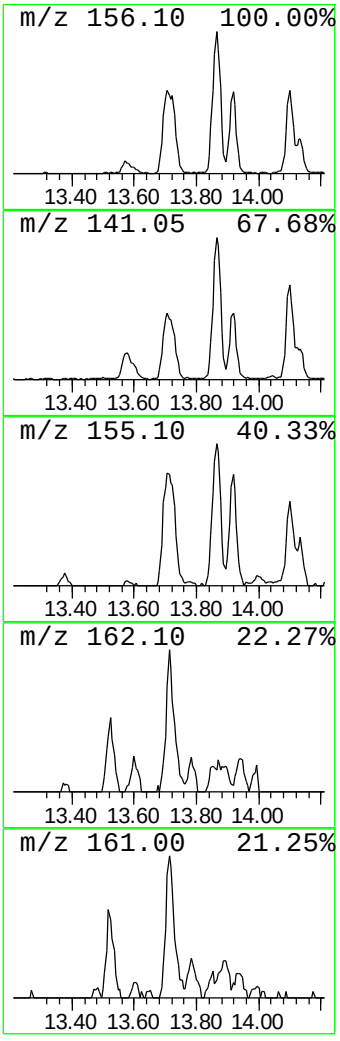
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	4.02 ng	241607	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





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Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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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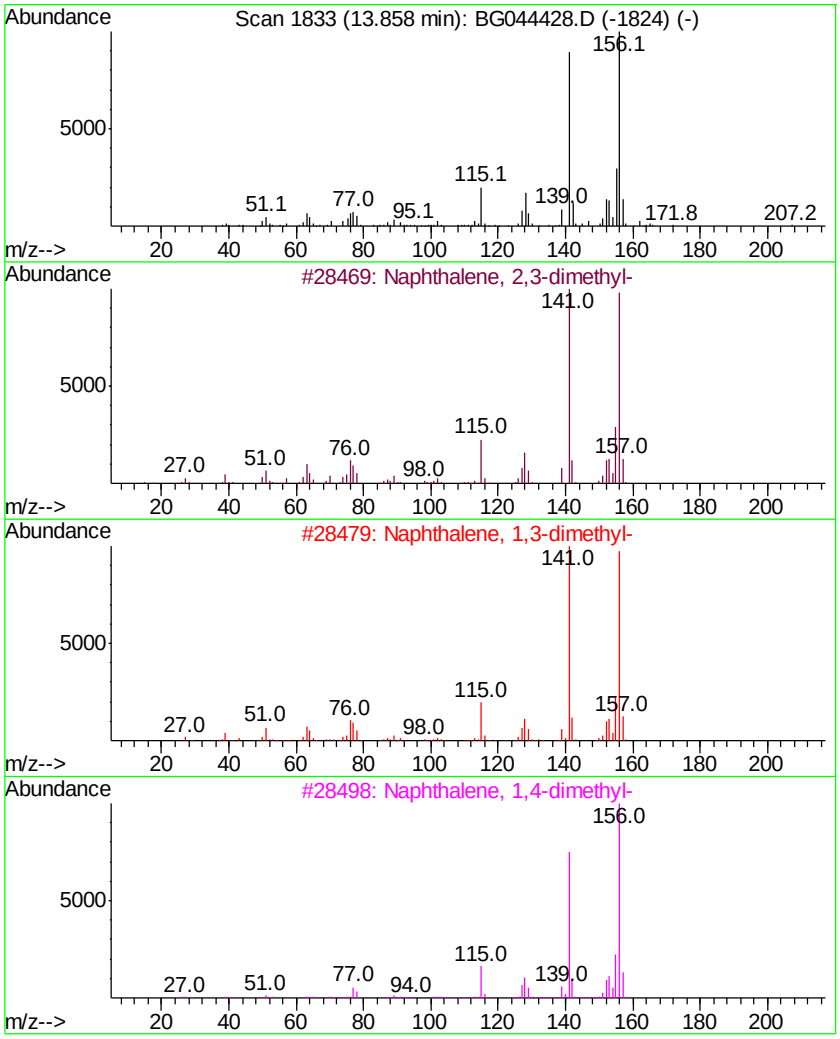
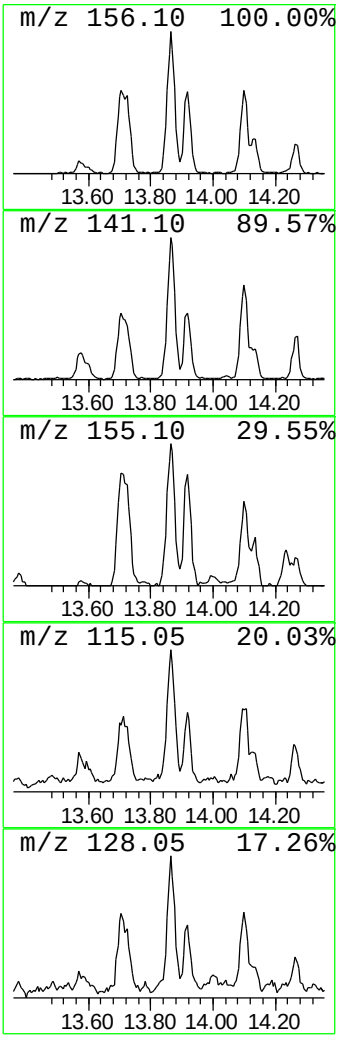
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	4.16 ng	250429	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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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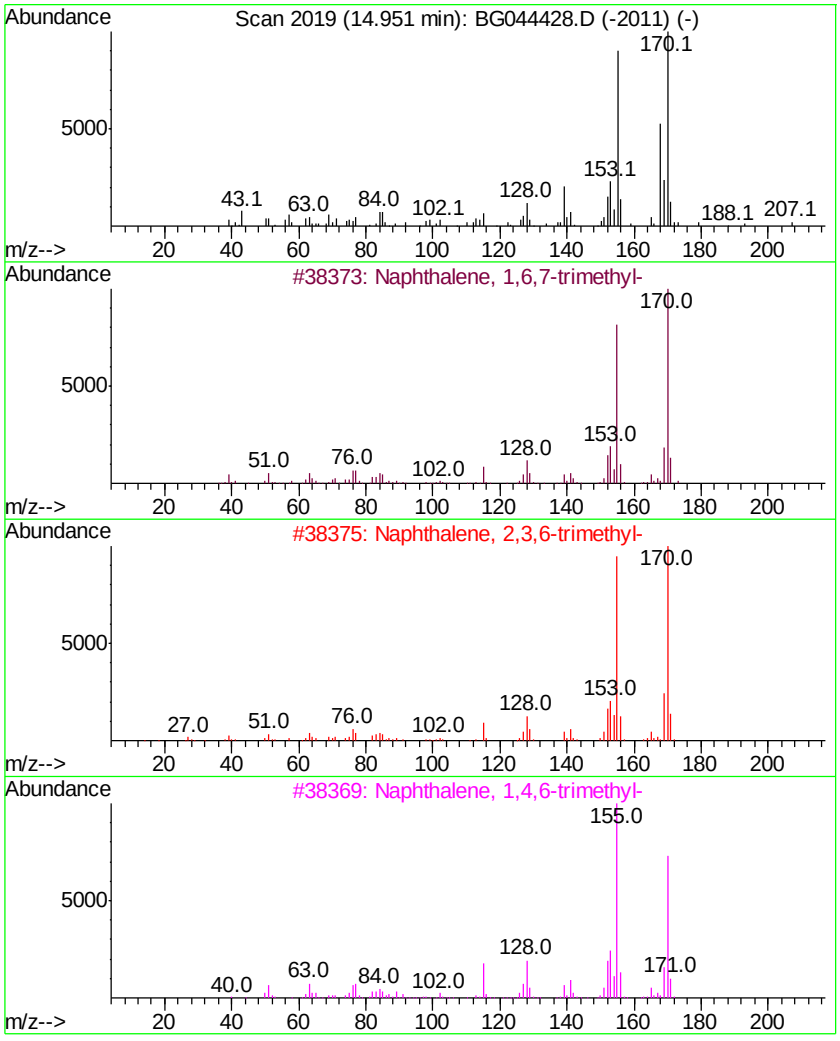
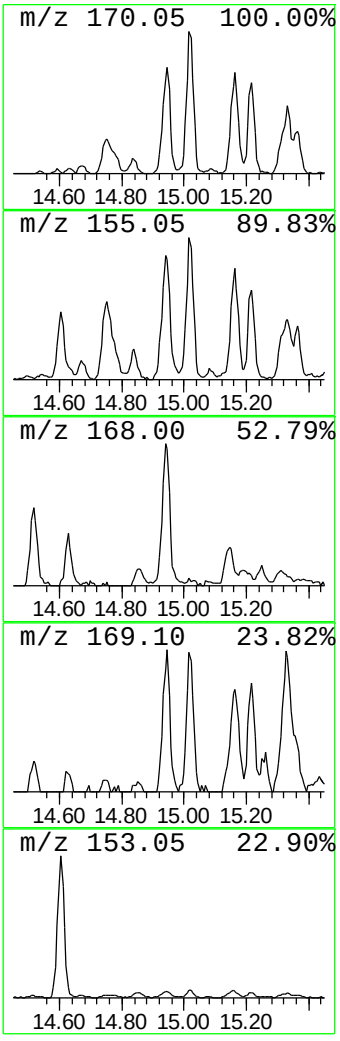
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	2.49 ng	149873	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	76





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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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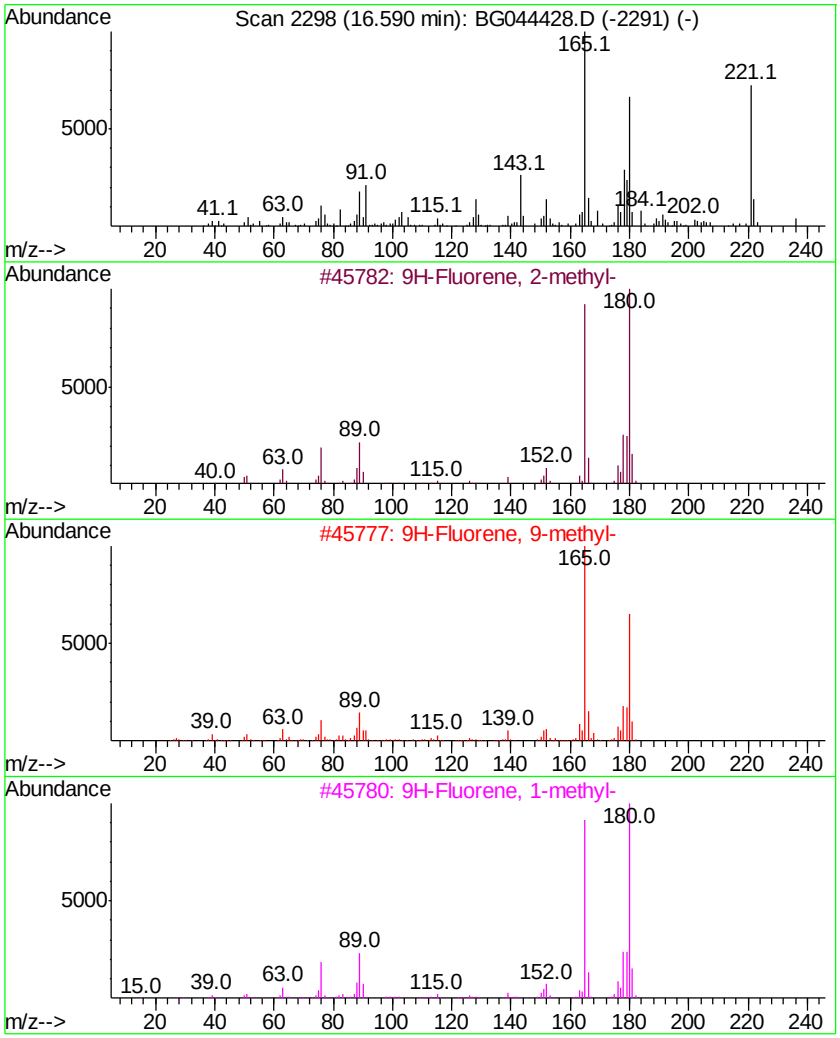
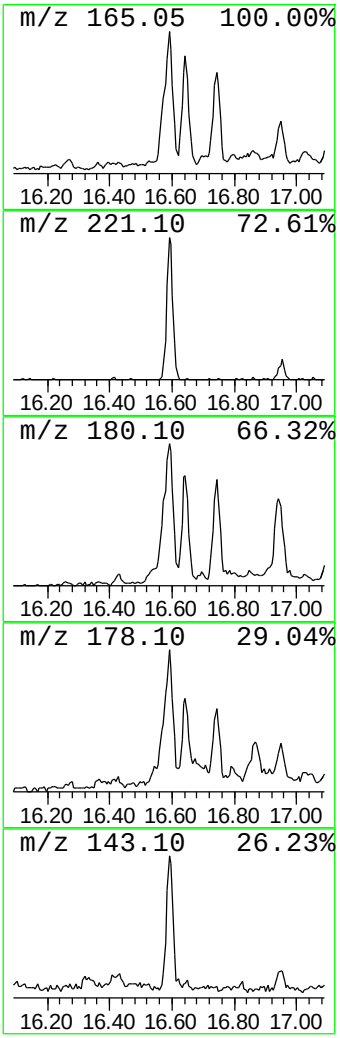
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	3.82 ng	237915	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	46





Library Search Compound Report

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Operator : CG/JU
Sample : L1509-01
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ClientSampleId : AOC-3-SP-C

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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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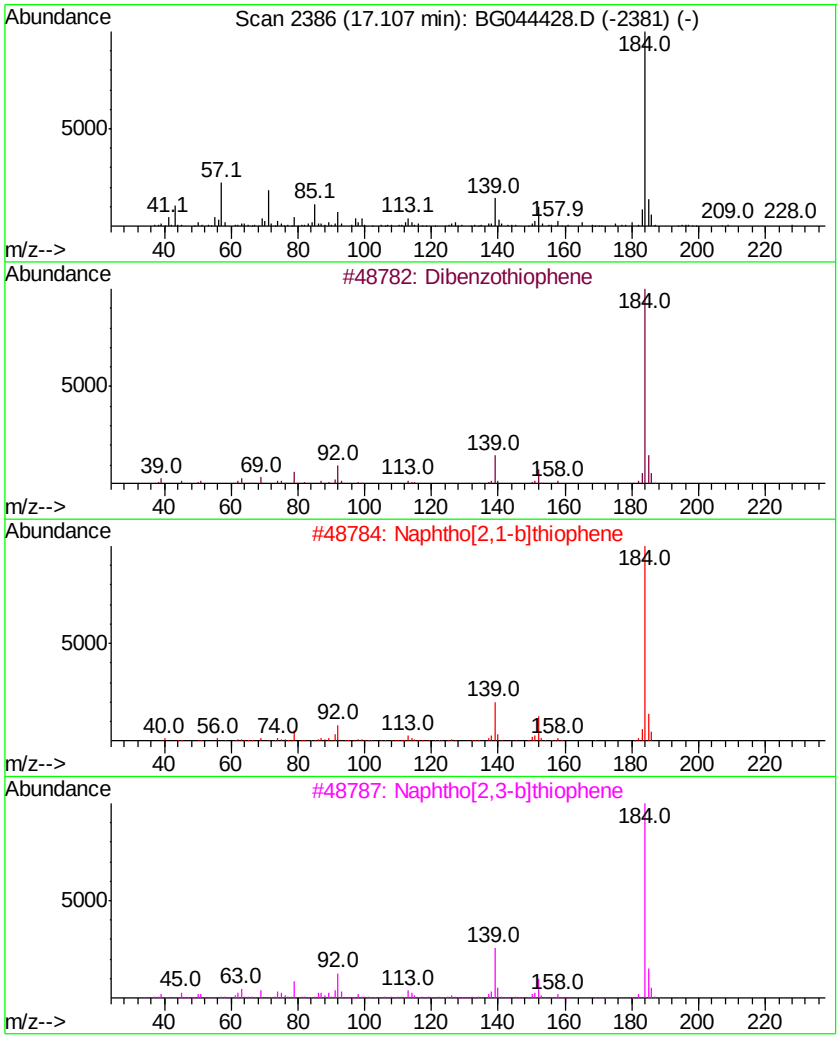
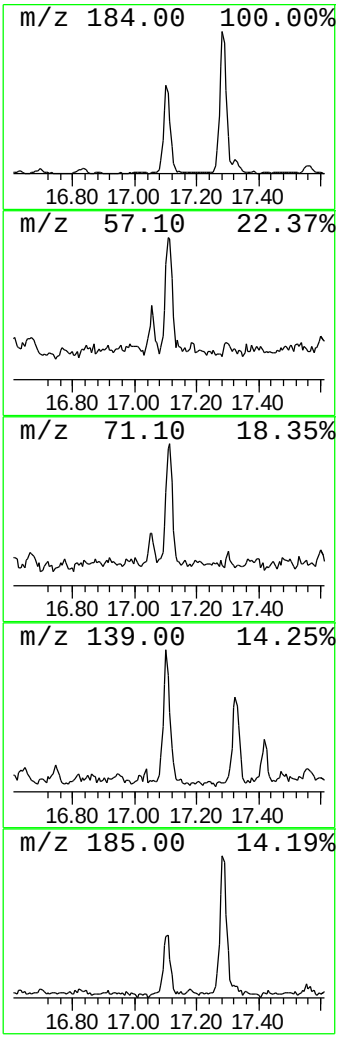
Peak Number 9 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	2.66 ng	165379	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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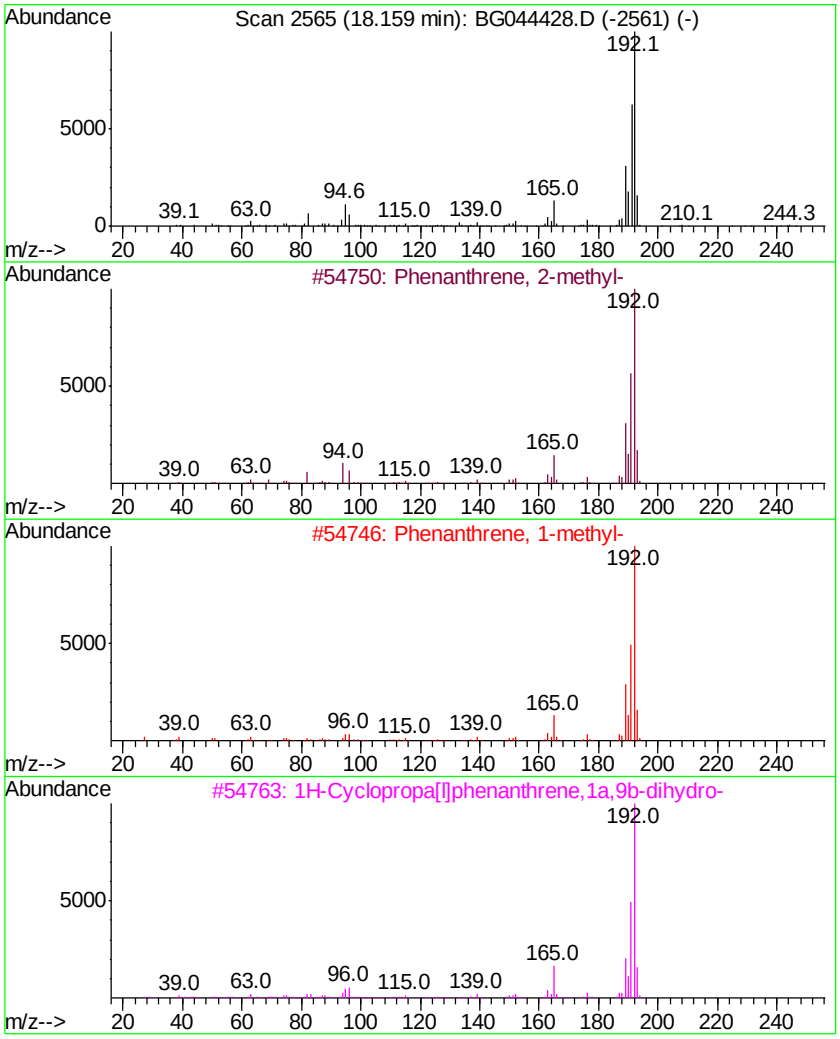
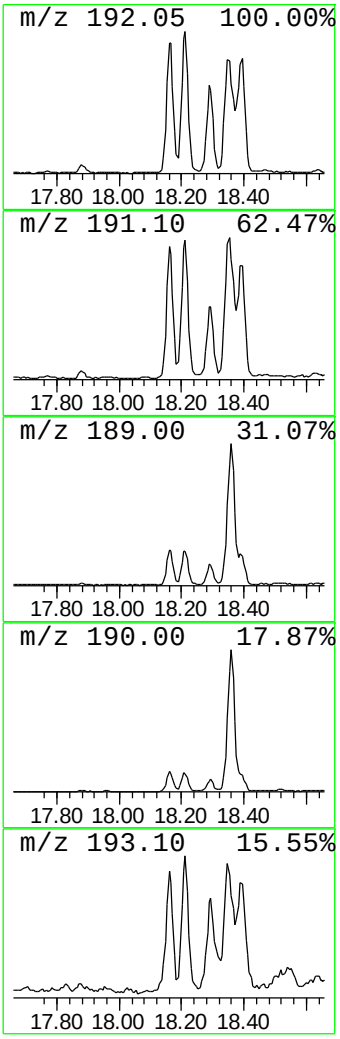
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	5.05 ng	314531	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Library Search Compound Report

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Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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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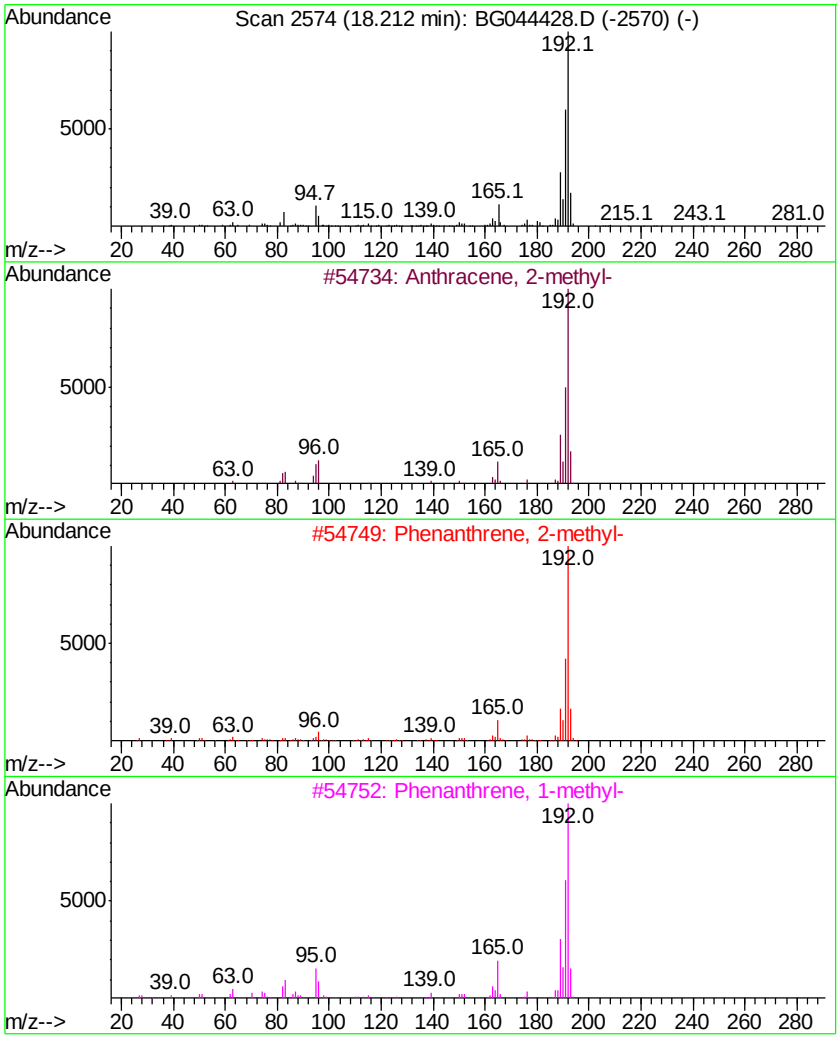
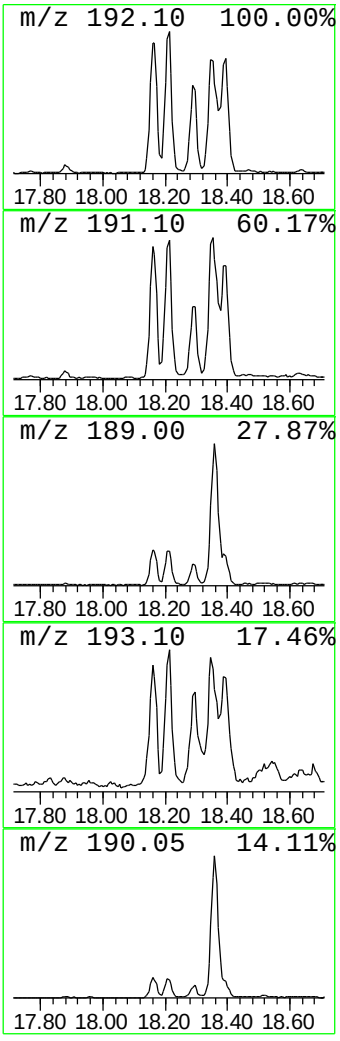
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	5.34 ng	332861	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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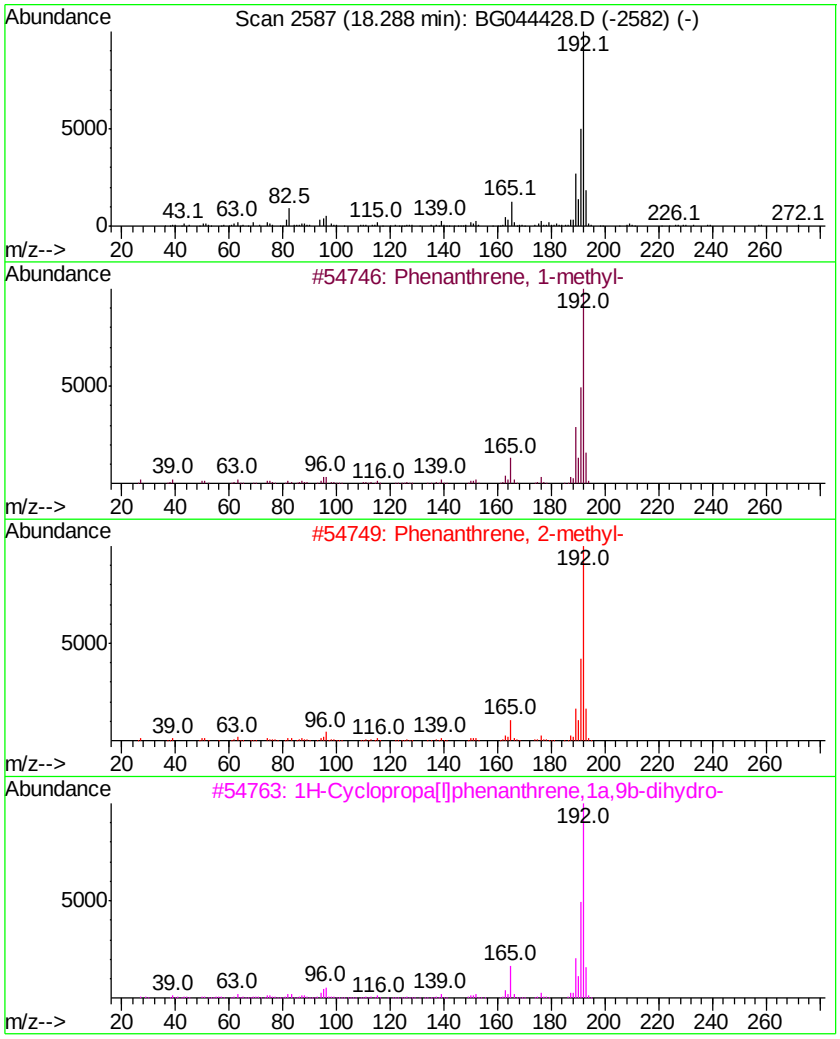
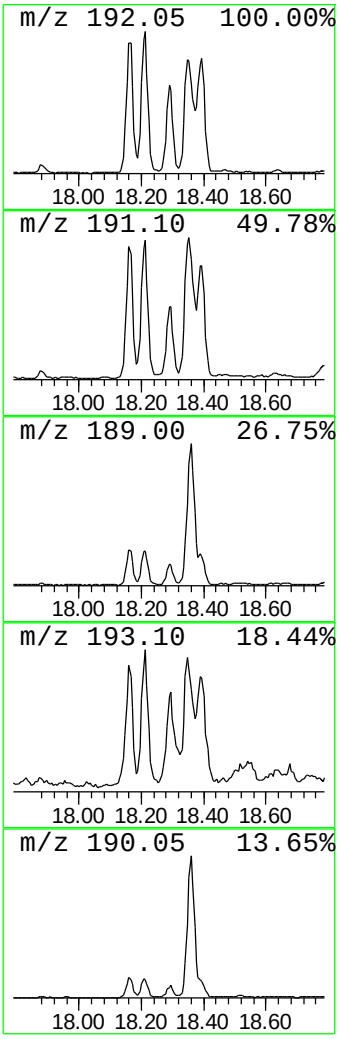
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.34 ng	207933	Phenanthrene-d10	17.28

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	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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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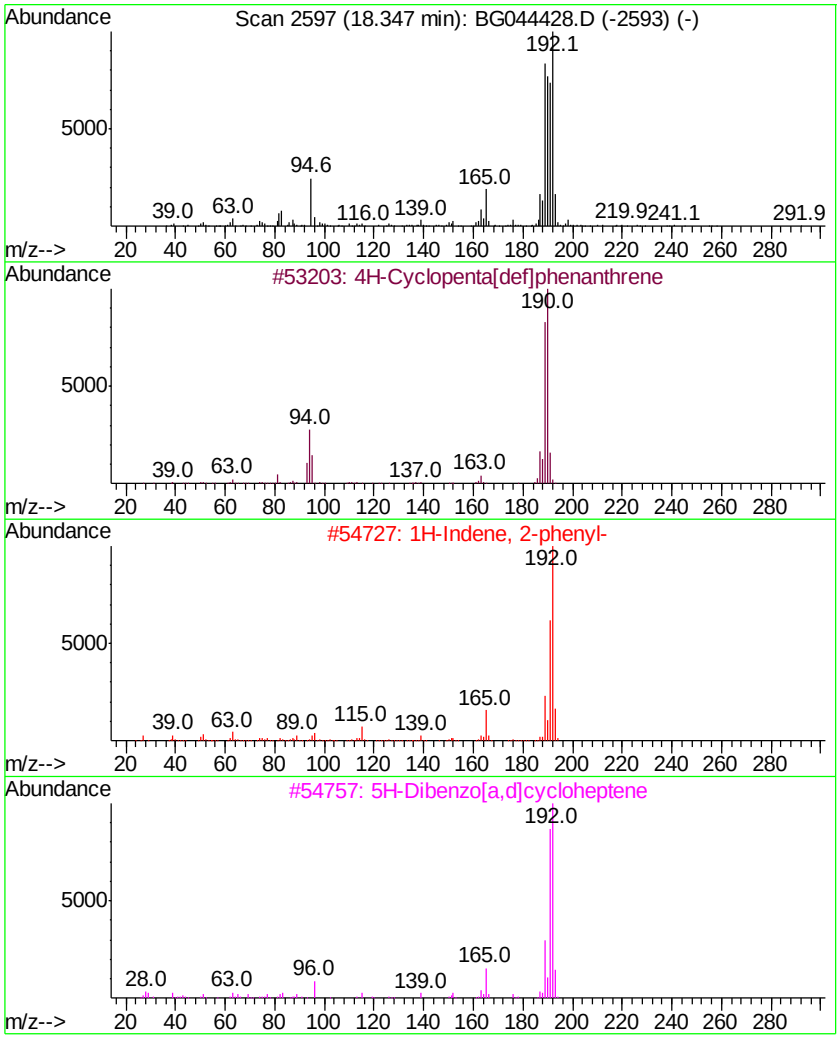
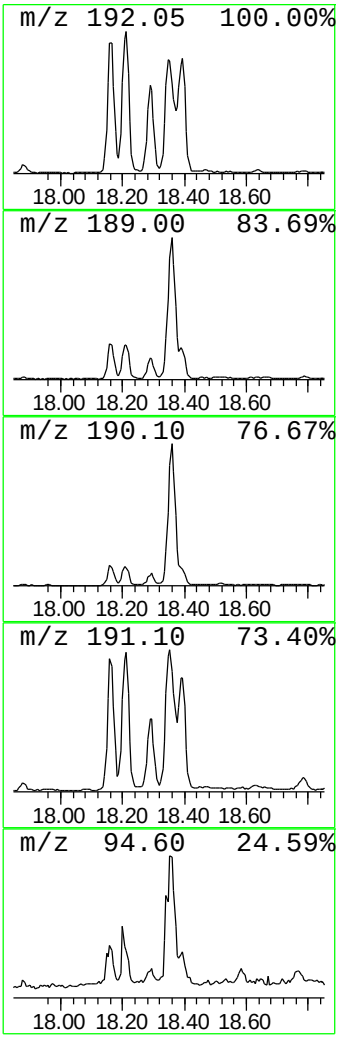
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	11.34 ng	706404	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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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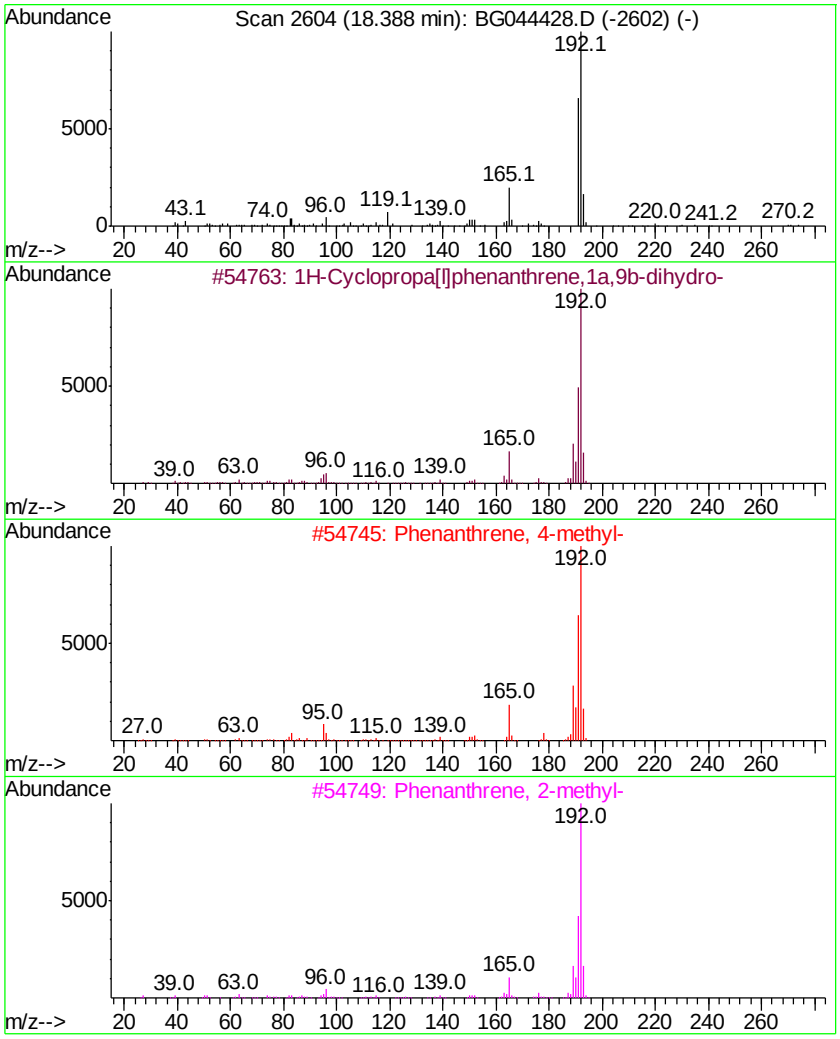
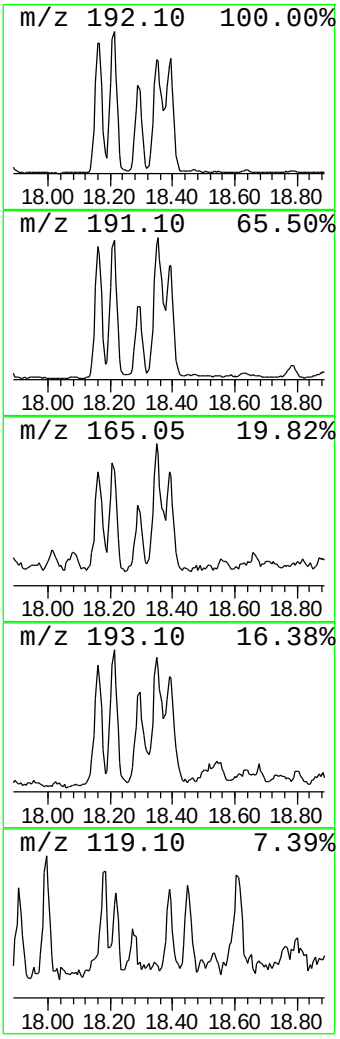
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	4.37 ng	272231	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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

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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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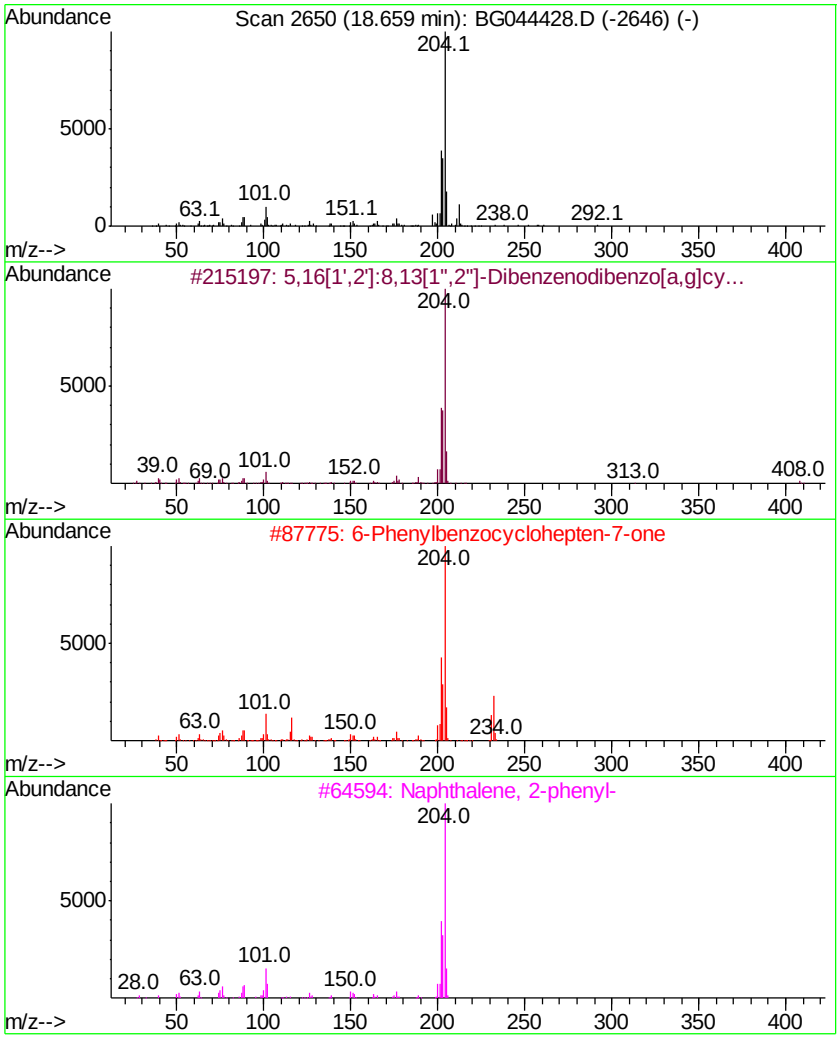
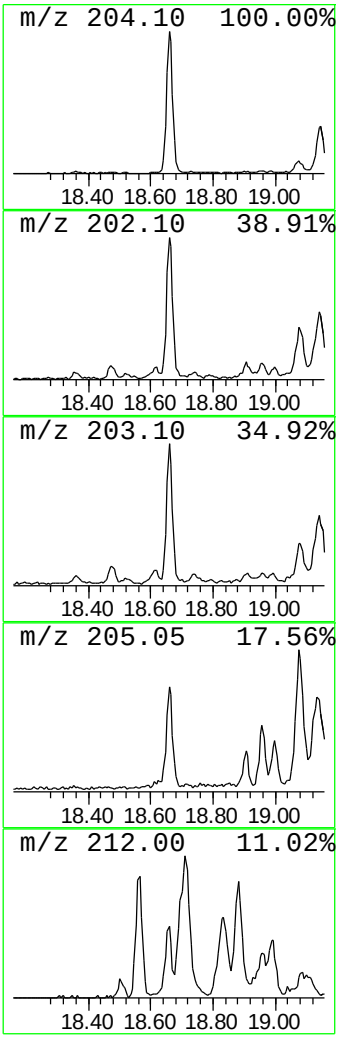
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.70 ng	168078	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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ClientSampleId : AOC-3-SP-C

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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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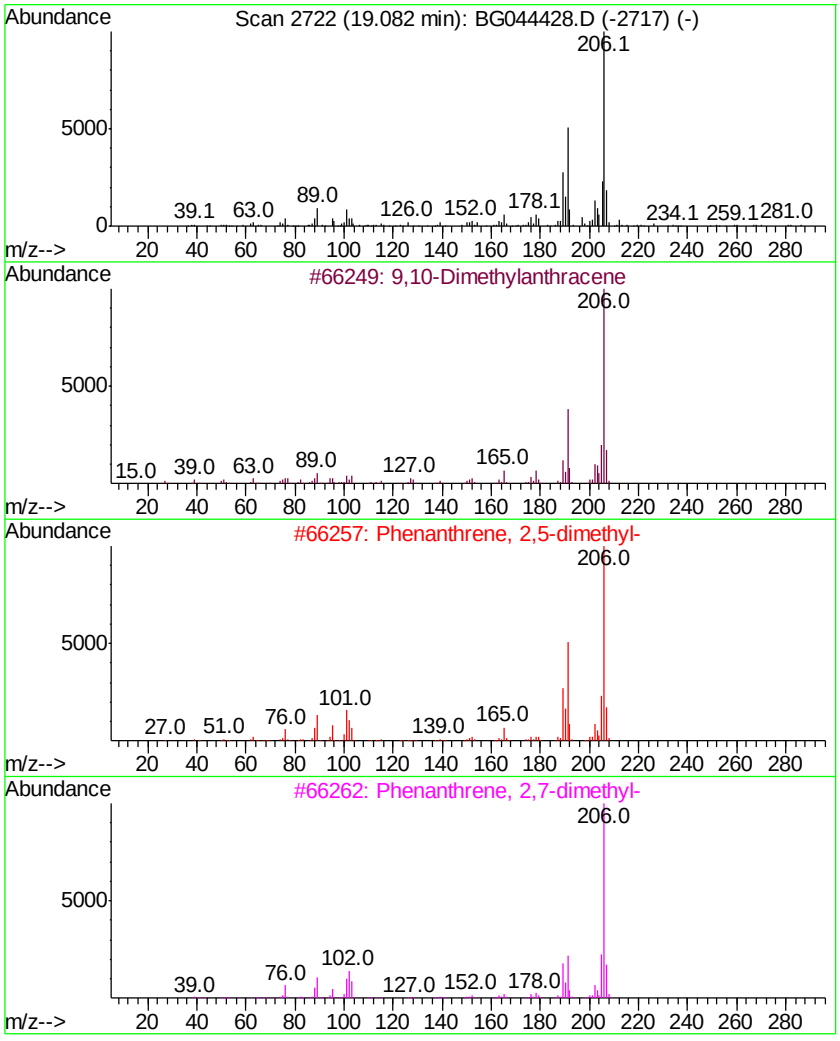
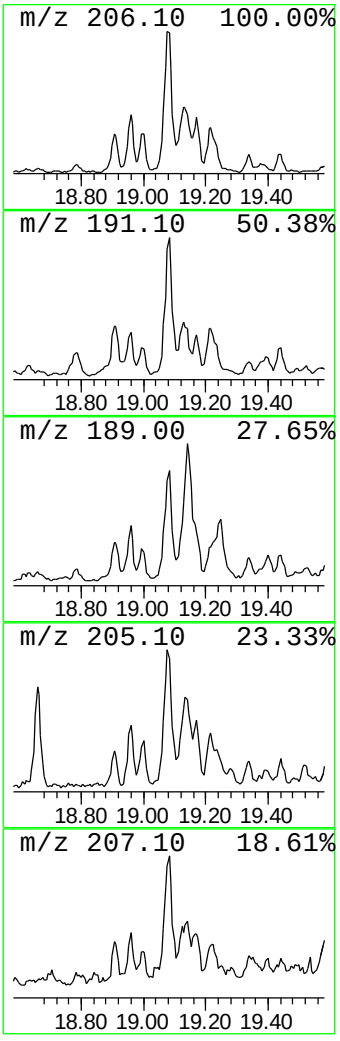
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	4.04 ng	251376	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : AOC-3-SP-C

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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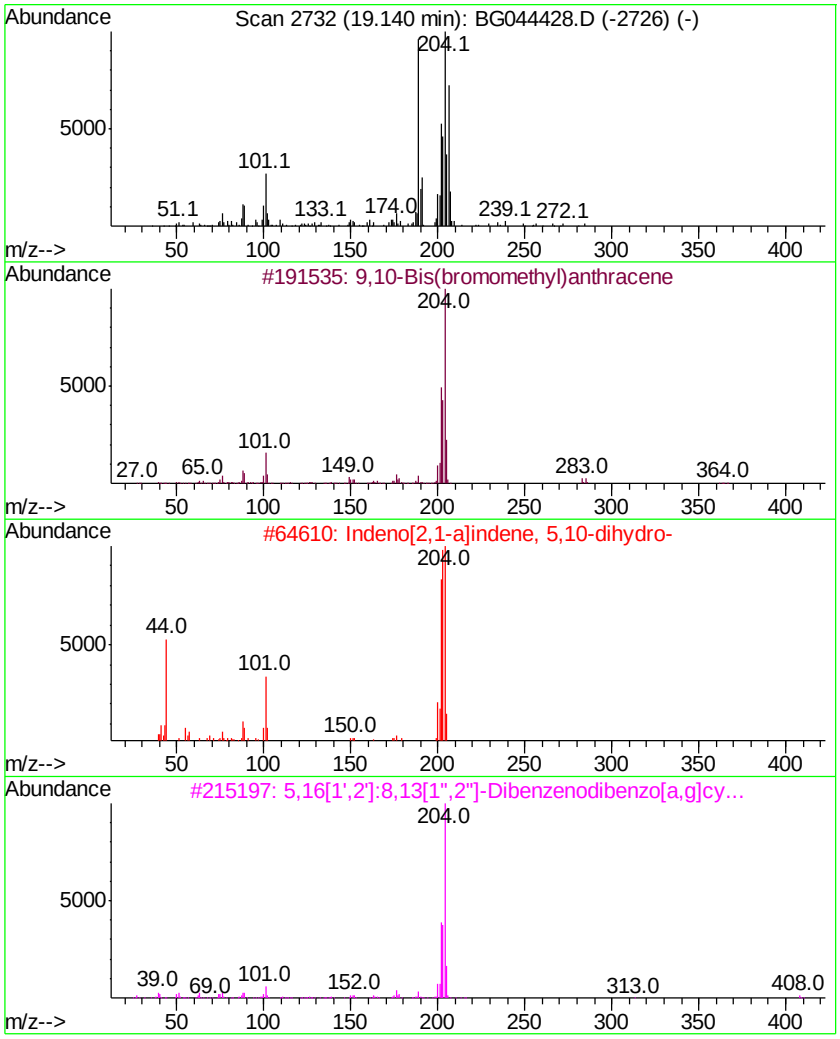
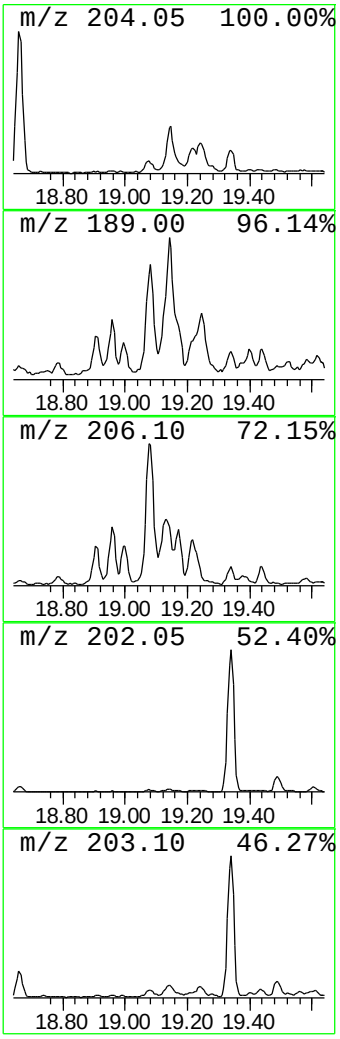
Peak Number 17 unknown19.14 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	2.48 ng	154390	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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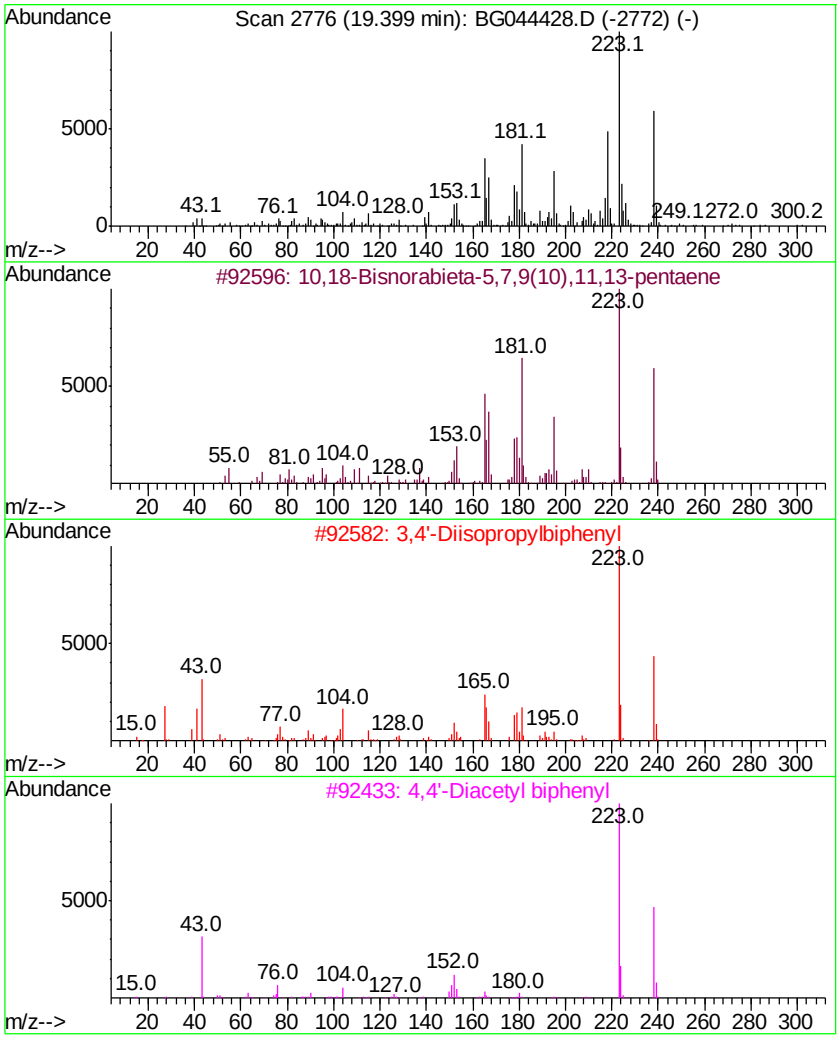
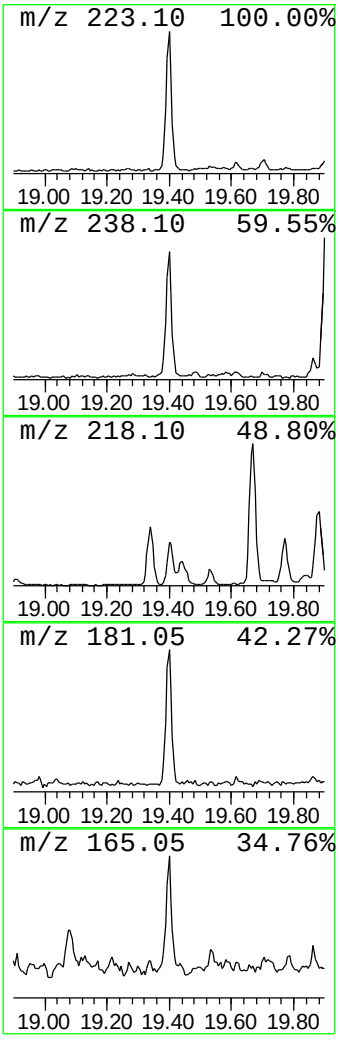
Peak Number 18 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	3.49 ng	217660	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	64
3	4,4'-Diacetyl biphenyl	238	C16H14O2	000787-69-9	43
4	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	43
5	9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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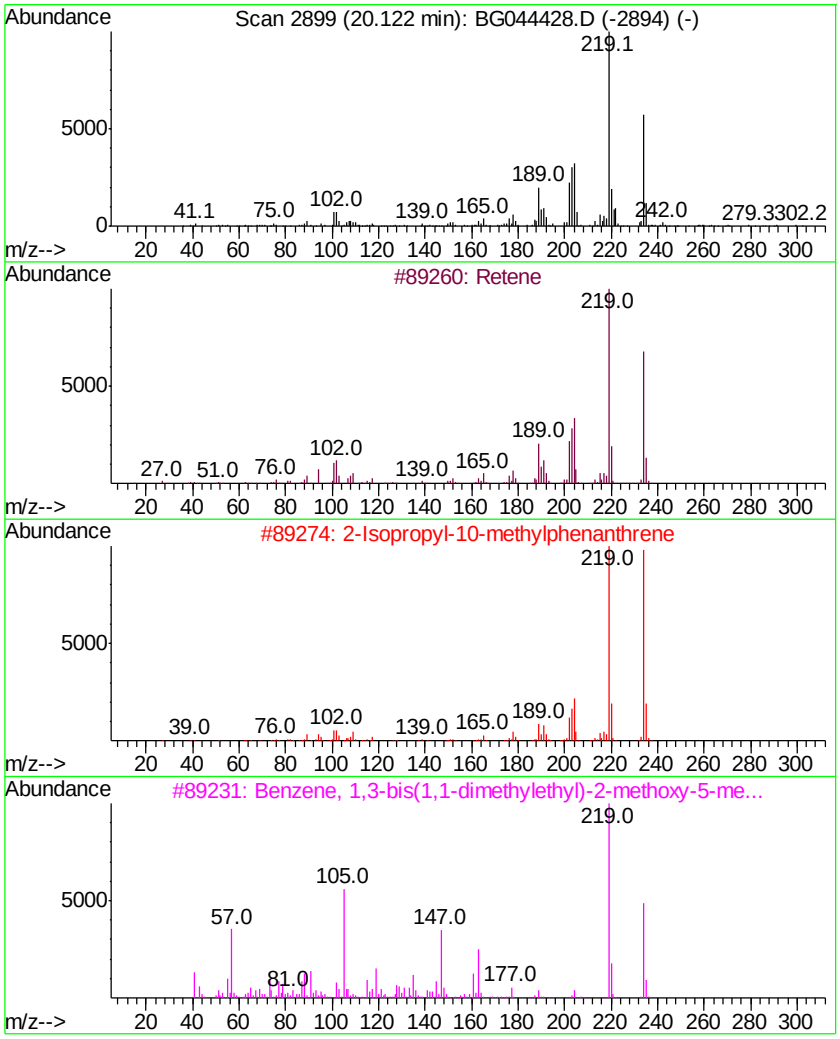
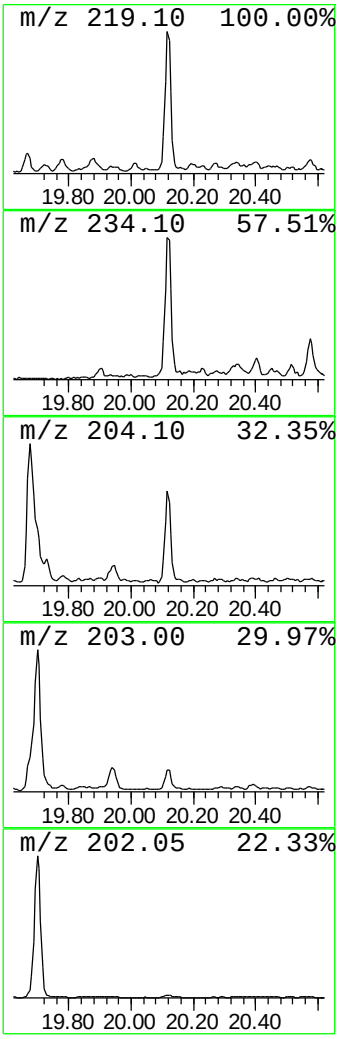
Peak Number 19 Retene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.49 ng	274403	Chrysene-d12	21.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	97
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
3	Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	49
4	2-[[1-(4-Methylphenyl)ethylidene...	234	C16H14N2	1000326-46-0	49
5	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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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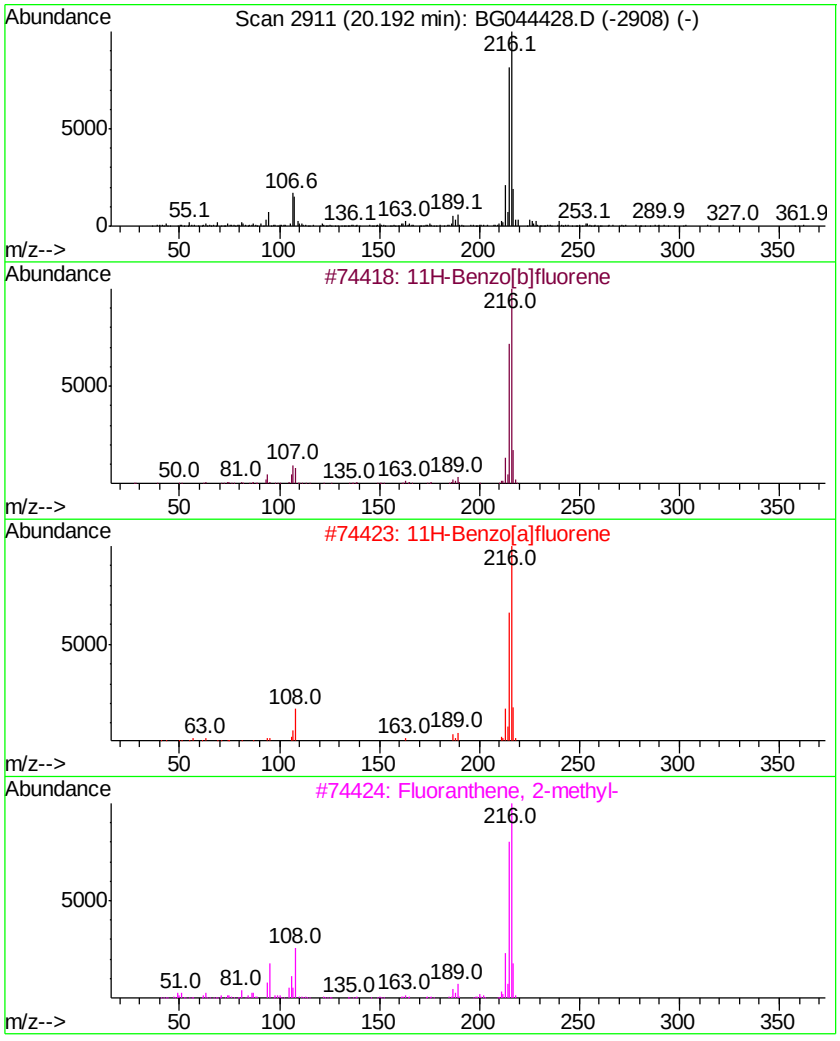
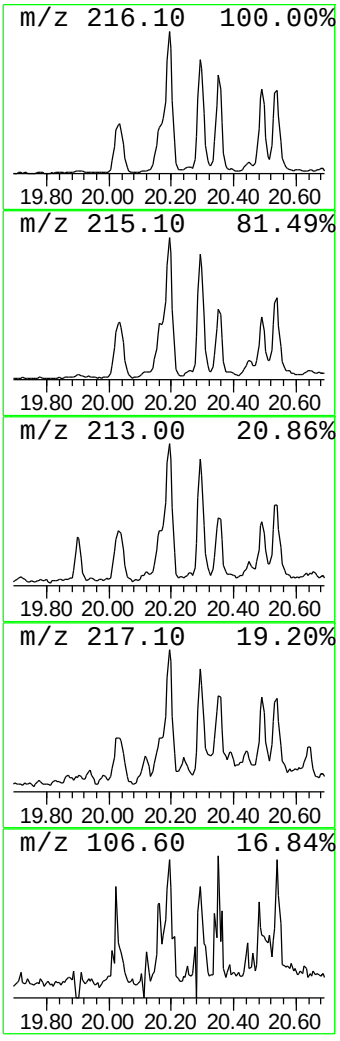
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.00 ng	330537	Chrysene-d12	21.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021320\
Data File : BG044428.D
Acq On : 13 Feb 2020 21:56
Operator : CG/JU
Sample : L1509-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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
Decane	7.54	2.7	ng	75452	1	7.90	555772	20.0
Undecane	9.15	5.0	ng	140333	1	7.90	555772	20.0
Tridecane	12.14	2.4	ng	113109	2	10.70	958210	20.0
Naphthalene, 1,6-...	13.71	4.0	ng	241607	3	14.54	1203240	20.0
Naphthalene, 2,3-...	13.86	4.2	ng	250429	3	14.54	1203240	20.0
Naphthalene, 1,6,...	14.95	2.5	ng	149873	3	14.54	1203240	20.0
9H-Fluorene, 2-me...	16.59	3.8	ng	237915	4	17.28	1245650	20.0
Dibenzothiophene	17.11	2.7	ng	165379	4	17.28	1245650	20.0
Phenanthrene, 2-m...	18.16	5.0	ng	314531	4	17.28	1245650	20.0
Anthracene, 2-met...	18.21	5.3	ng	332861	4	17.28	1245650	20.0
Phenanthrene, 1-m...	18.29	3.3	ng	207933	4	17.28	1245650	20.0
4H-Cyclopenta[def...	18.35	11.3	ng	706404	4	17.28	1245650	20.0
1H-Cyclopropa[l]p...	18.39	4.4	ng	272231	4	17.28	1245650	20.0
5,16[1',2']:8,13[...	18.66	2.7	ng	168078	4	17.28	1245650	20.0
9,10-Dimethylanth...	19.08	4.0	ng	251376	4	17.28	1245650	20.0
unknown19.14	19.14	2.5	ng	154390	4	17.28	1245650	20.0
10,18-Bisnorabiet...	19.40	3.5	ng	217660	4	17.28	1245650	20.0
Retene	20.12	2.5	ng	274403	5	21.53	2206110	20.0
11H-Benzo[b]fluorene	20.19	3.0	ng	330537	5	21.53	2206110	20.0