LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

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_F\METHODS\8270-BF091020.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	4.334	377	382	389	rBV	364207	445793	7.23%	0.510%
2	4.969	485	490	505	rVB	605350	719106	11.66%	0.823%
3	5.387	557	561	577	rVB	2015758	1851885	30.02%	2.120%
4	6.404	729	734	751	rBV	2385665	2283565	37.02%	2.615%
5	6.763	791	795	798	rBV	957538	771893	12.51%	0.884%
6	7.328	886	891	894	rBV	1842434	1631915	26.45%	1.869%
7	8.045	1008	1013	1015	rBV	1154222	1024485	16.61%	1.173%
8	8.069	1015	1017	1020	rVB	964702	721588	11.70%	0.826%
9	8.757	1130	1134	1141	rBV	482677	381066	6.18%	0.436%
10	8.857	1146	1151	1159	rVB	324536	270794	4.39%	0.310%
11	9.122	1189	1196	1199	rBV	3219082	2705601	43.86%	3.098%
12	9.222	1210	1213	1219	rVB	157326	139166	2.26%	0.159%
13	9.386	1234	1241	1245	rBV	147152	203580	3.30%	0.233%
14	9.457	1249	1253	1255	rBV	254024	244757	3.97%	0.280%
15	9.516	1260	1263	1267	rVV	385674	315521	5.11%	0.361%
16	9.657	1284	1287	1292	rVB	320147	265679	4.31%	0.304%
17	9.798	1302	1311	1314	rBV	1166792	1069574	17.34%	1.225%
18	9.833	1314	1317	1320	rVB	1032154	882831	14.31%	1.011%
19	10.004	1342	1346	1350	rBV	795721	678785	11.00%	0.777%
20	10.345	1400	1404	1409	rVB	1342283	1175421	19.05%	1.346%
21	10.504	1428	1431	1434	rVB	258116	226810	3.68%	0.260%
22	10.586	1439	1445	1449	rVV	674928	700930	11.36%	0.803%
23	10.892	1490	1497	1500	rBV3	249566	322907	5.23%	0.370%
24	11.022	1514	1519	1521	rVV2	116253	152303	2.47%	0.174%
25	11.092	1528	1531	1534	rVV	241762	219312	3.56%	0.251%
26	11.133	1534	1538	1542	rVV4	132861	203136	3.29%	0.233%
27	11.180	1542	1546	1552	rVB	530761	474629	7.69%	0.543%
28	11.286	1558	1564	1565	rBV	869908	867152	14.06%	0.993%
29	11.316	1565	1569	1572	rVV	4637960	5468539	88.65%	6.262%
30	11.363	1572	1577	1580	rVV	2209303	1976280	32.04%	2.263%
31	11.392	1580	1582	1585	rVB	192325	168097	2.72%	0.192%
32	11.516	1597	1603	1606	rBV2	828191	805800	13.06%	0.923%
33	11.580	1611	1614	1617	rVV2	197276	178367	2.89%	0.204%
34	11.616	1617	1620	1624	rVB3	162481	168023	2.72%	0.192%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

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_F\METHODS\8270-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.786	1643	1649	1651	rBV	787421	711051	11.53%	0.814%
36	11.816	1651	1654	1657	rVB	1078768	895503	14.52%	1.025%
37	11.863	1657	1662	1664	rBV	445312	401322	6.51%	0.460%
38	11.898	1664	1668	1670	rVV	1370645	1360462	22.05%	1.558%
39	11.922	1670	1672	1676	rVB	504832	407126	6.60%	0.466%
40	12.080	1696	1699	1701	rVV	592632	478738	7.76%	0.548%
41	12.110	1701	1704	1707	rVB	311215	255859	4.15%	0.293%
42	12.227	1719	1724	1727	rBV2	146449	162915	2.64%	0.187%
43	12.333	1738	1742	1745	rBV	314239	364114	5.90%	0.417%
44	12.374	1745	1749	1751	rVV2	241293	277291	4.50%	0.318%
45	12.427	1754	1758	1762	rVB3	271313	310035	5.03%	0.355%
46	12.510	1766	1772	1775	rVB	4865193	5870067	95.16%	6.721%
47	12.645	1789	1795	1798	rBV2	315348	408622	6.62%	0.468%
48	12.739	1804	1811	1815	rBV2	4363545	6168796	100.00%	7.063%
49	12.774	1815	1817	1821	rVB2	318387	296570	4.81%	0.340%
50	12.845	1825	1829	1830	rBV	463112	402281	6.52%	0.461%
51	12.868	1830	1833	1840	rVB2	2454030	2542133	41.21%	2.911%
52	12.945	1840	1846	1849	rBV2	410727	714724	11.59%	0.818%
53	12.974	1849	1851	1854	rVB	185802	137873	2.24%	0.158%
54	13.027	1857	1860	1862	rBV3	316559	374614	6.07%	0.429%
55	13.057	1862	1865	1868	rVB	1184996	1056673	17.13%	1.210%
56	13.086	1868	1870	1873	rBV2	102160	152517	2.47%	0.175%
57	13.121	1873	1876	1878	rVV	1035697	851850	13.81%	0.975%
58	13.157	1878	1882	1885	rVV2	609352	713870	11.57%	0.817%
59	13.180	1885	1886	1889	rVB2	200292	159346	2.58%	0.182%
60	13.251	1895	1898	1900	rBV	304138	240480	3.90%	0.275%
61	13.280	1900	1903	1906	rBV2	327273	302210	4.90%	0.346%
62	13.439	1926	1930	1931	rBV3	122069	147558	2.39%	0.169%
63	13.474	1934	1936	1939	rVV2	180820	185279	3.00%	0.212%
64	13.539	1943	1947	1949	rBV	150310	195819	3.17%	0.224%
65	13.563	1949	1951	1955	rVB	378030	366354	5.94%	0.419%
66	13.674	1966	1970	1972	rBV	553211	575096	9.32%	0.659%
67	13.698	1972	1974	1976	rVV	569315	508637	8.25%	0.582%
68	13.727	1976	1979	1984	rVV3	438956	725686	11.76%	0.831%
69	13.774	1984	1987	1994	rVB	671017	778114	12.61%	0.891%
70	13.921	2005	2012	2016	rBV2	3223105	5137209	83.28%	5.882%
71	13.957	2016	2018	2025	rVB	2718491	2619659	42.47%	3.000%

LSC Area Percent Report

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Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

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_F\METHODS\8270-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.033	2028	2031	2033	rVV	639998	509914	8.27%	0.584%
73	14.074	2035	2038	2042	rVV3	190458	321417	5.21%	0.368%
74	14.115	2042	2045	2047	rVV	346963	336519	5.46%	0.385%
75	14.151	2047	2051	2054	rVV2	430647	511762	8.30%	0.586%
76	14.245	2064	2067	2069	rVV3	140041	190281	3.08%	0.218%
77	14.274	2069	2072	2074	rVV2	238307	279698	4.53%	0.320%
78	14.310	2074	2078	2081	rVV	635797	762942	12.37%	0.874%
79	14.345	2081	2084	2088	rVV	344547	357256	5.79%	0.409%
80	14.410	2088	2095	2097	rVV2	360678	626977	10.16%	0.718%
81	14.433	2097	2099	2101	rVV	387084	398232	6.46%	0.456%
82	14.457	2101	2103	2106	rVV2	494547	424274	6.88%	0.486%
83	14.504	2106	2111	2117	rVB3	223396	333439	5.41%	0.382%
84	14.621	2128	2131	2133	rBV2	214610	195252	3.17%	0.224%
85	14.692	2140	2143	2146	rBV3	134467	157818	2.56%	0.181%
86	14.798	2157	2161	2164	rBV2	223471	268765	4.36%	0.308%
87	14.962	2182	2189	2191	rBV	2105598	3382931	54.84%	3.874%
88	14.986	2191	2193	2196	rVB	1268793	1094182	17.74%	1.253%
89	15.057	2202	2205	2209	rBV	549588	553181	8.97%	0.633%
90	15.145	2216	2220	2221	rBV2	163134	202955	3.29%	0.232%
91	15.251	2233	2238	2243	rVB	1271856	1697730	27.52%	1.944%
92	15.315	2243	2249	2253	rBV	1921045	2405162	38.99%	2.754%
93	15.368	2254	2258	2260	rVV2	555031	682254	11.06%	0.781%
94	15.398	2260	2263	2269	rVB2	645502	848102	13.75%	0.971%
95	15.904	2347	2349	2354	rVB2	155738	188326	3.05%	0.216%
96	16.786	2493	2499	2506	rVB2	766568	1556251	25.23%	1.782%
97	16.945	2521	2526	2531	rBV	185103	336112	5.45%	0.385%
98	17.004	2532	2536	2540	rVV2	132846	216040	3.50%	0.247%
99	17.215	2565	2572	2580	rVB	551070	1153060	18.69%	1.320%
100	17.439	2604	2610	2616	rBV	171894	370919	6.01%	0.425%

Sum of corrected areas: 87333494

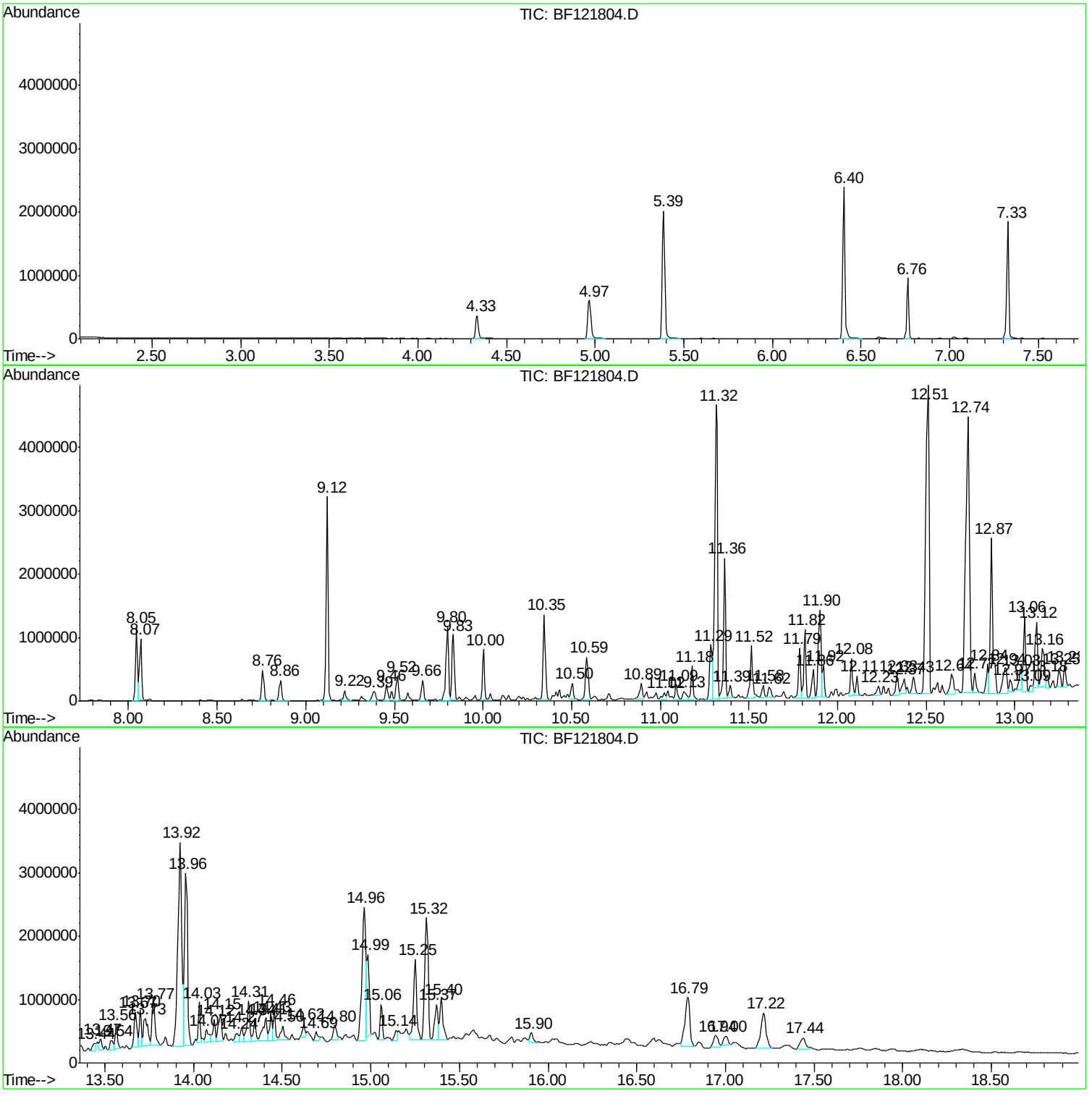
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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 F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

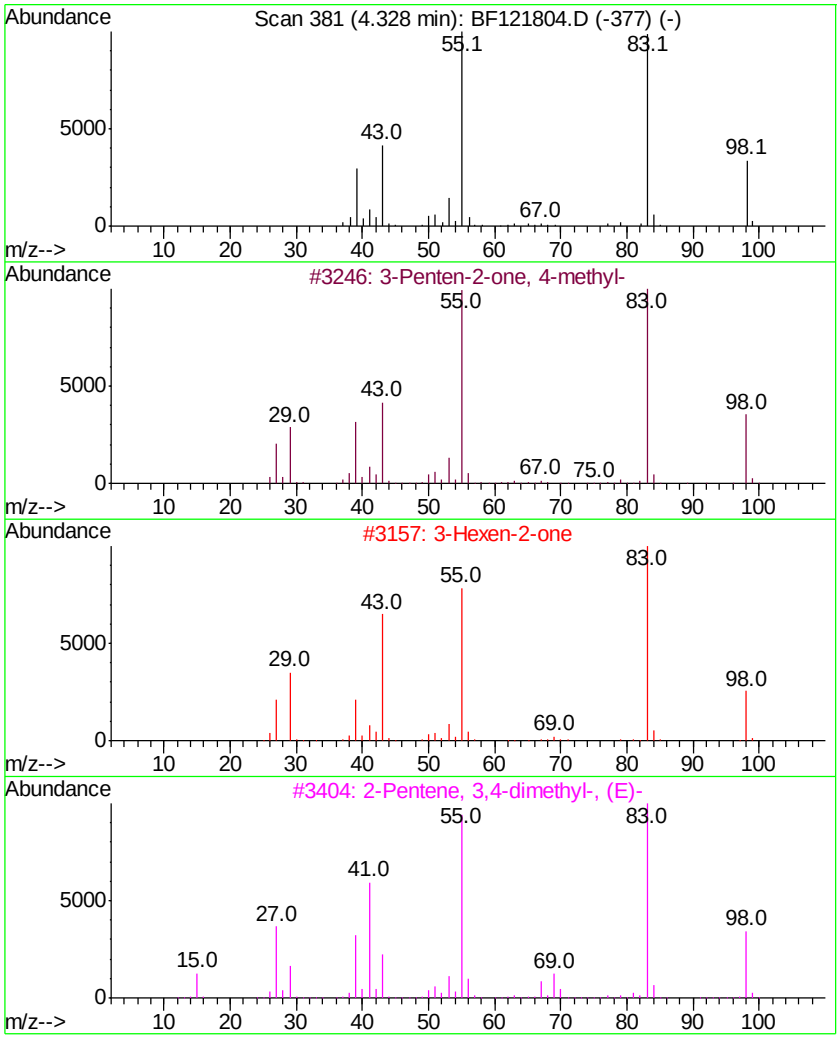
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

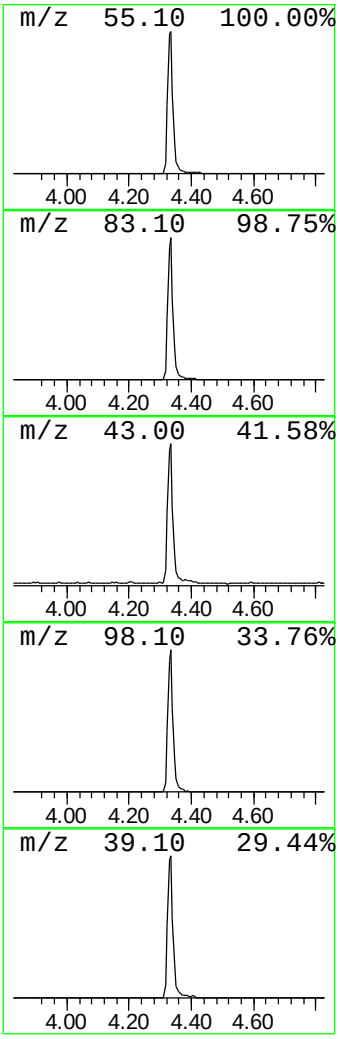
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	11.55 ng	445793	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

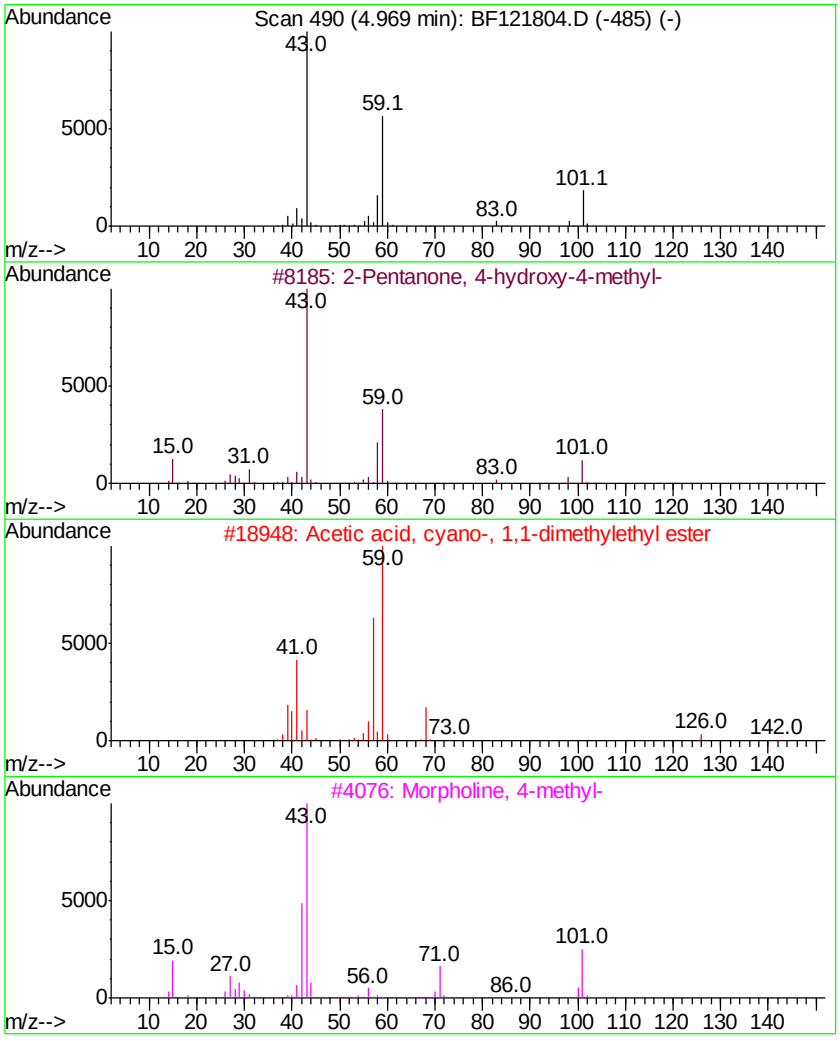
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

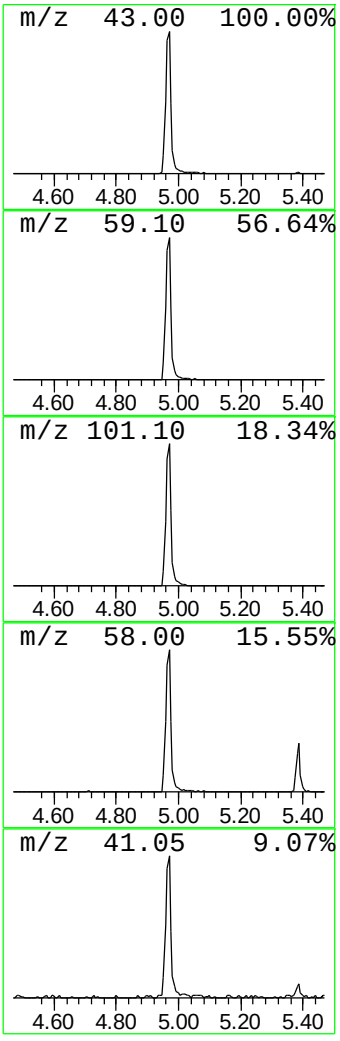
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	18.63 ng	719106	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





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Data File : BF121804.D
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Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

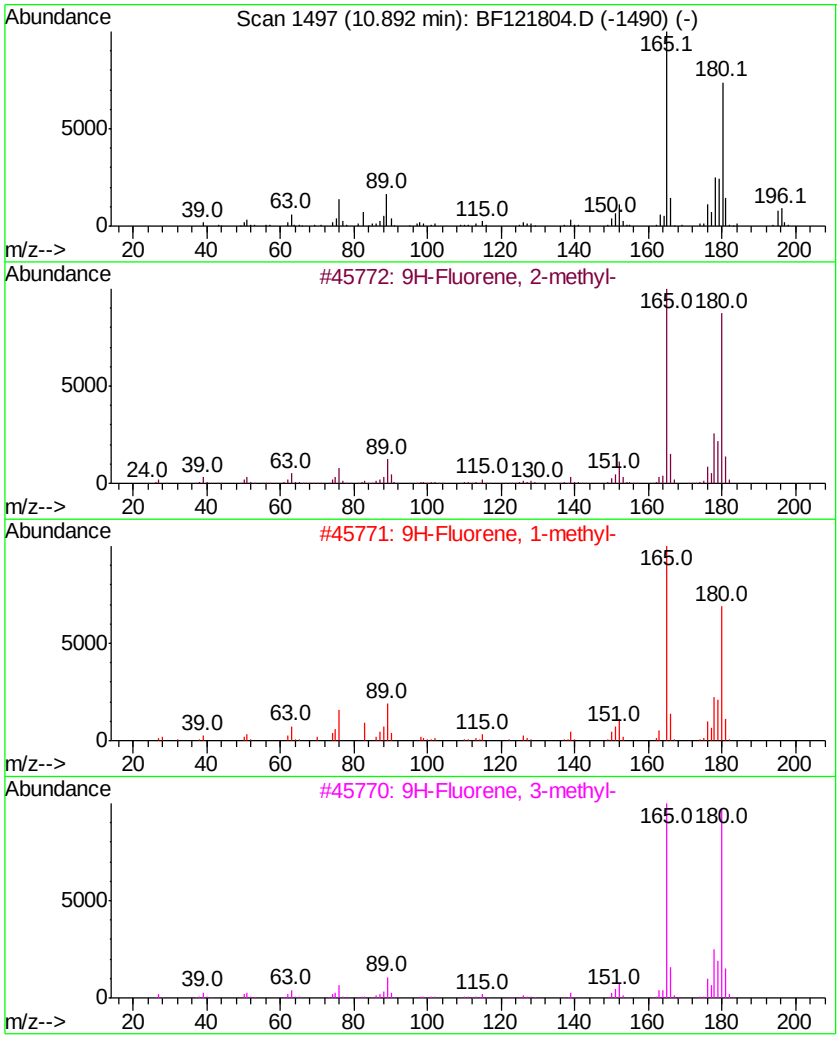
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

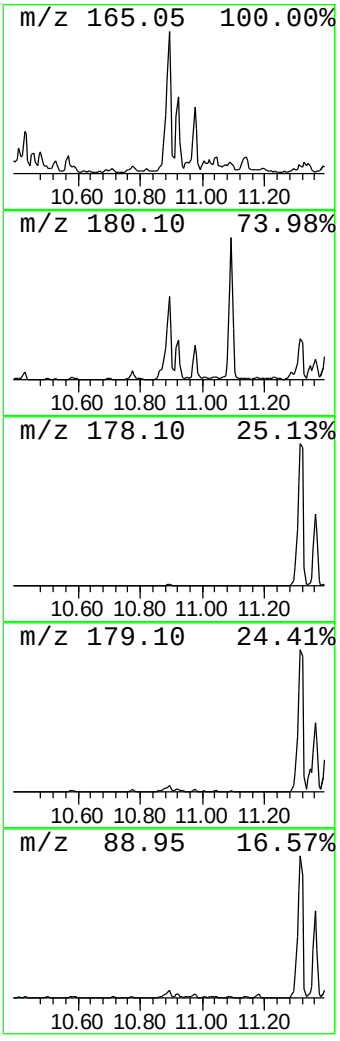
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	7.45 ng	322907	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

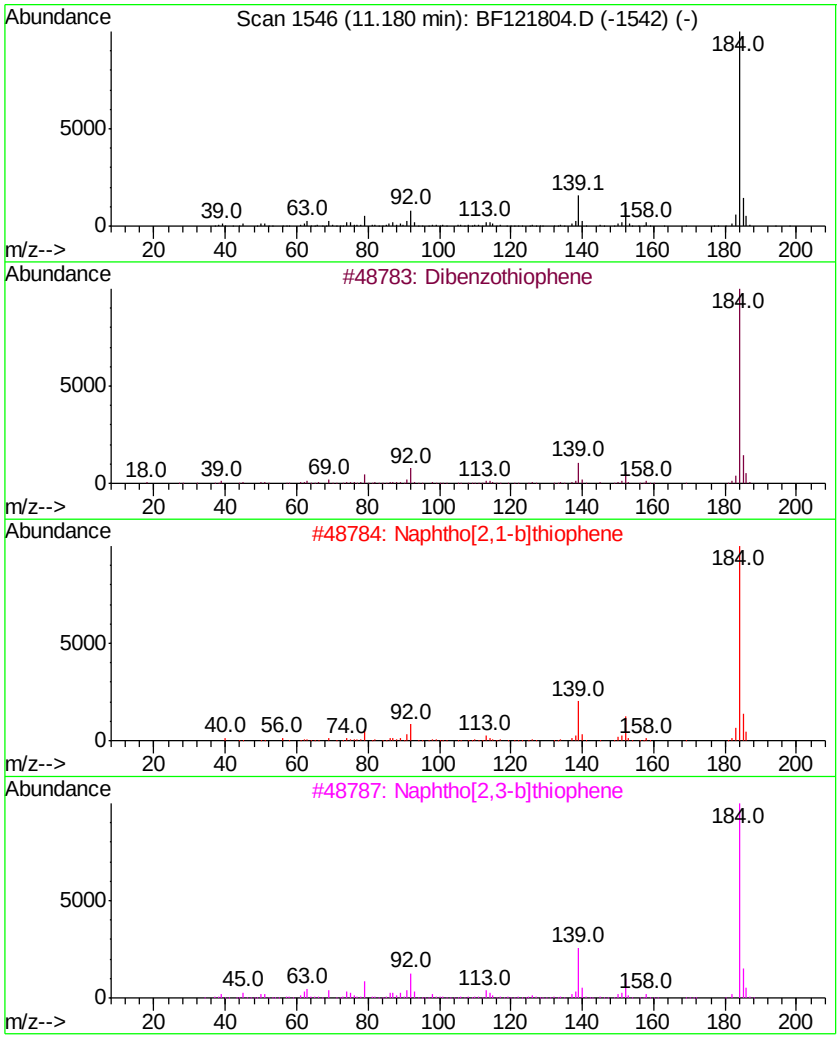
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

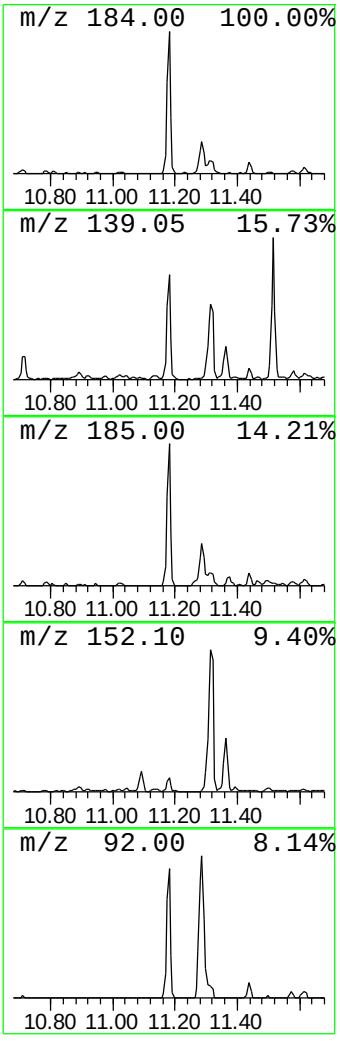
****

Peak Number 4 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	10.95 ng	474629	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

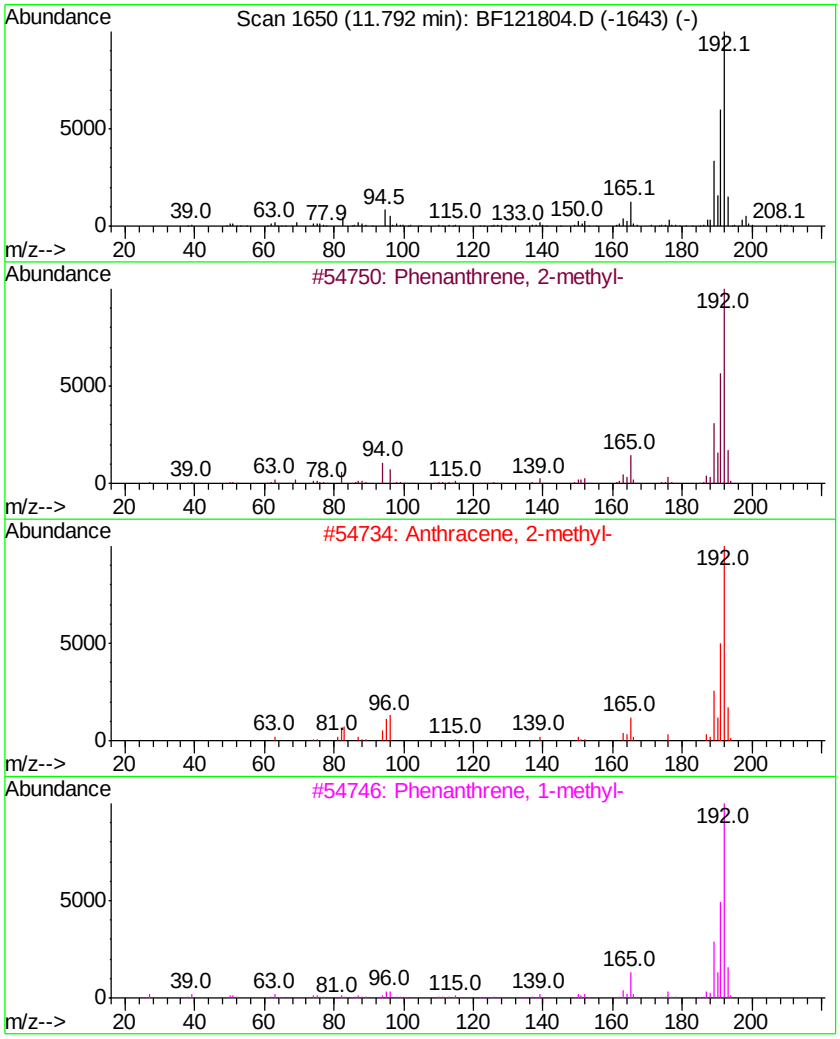
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

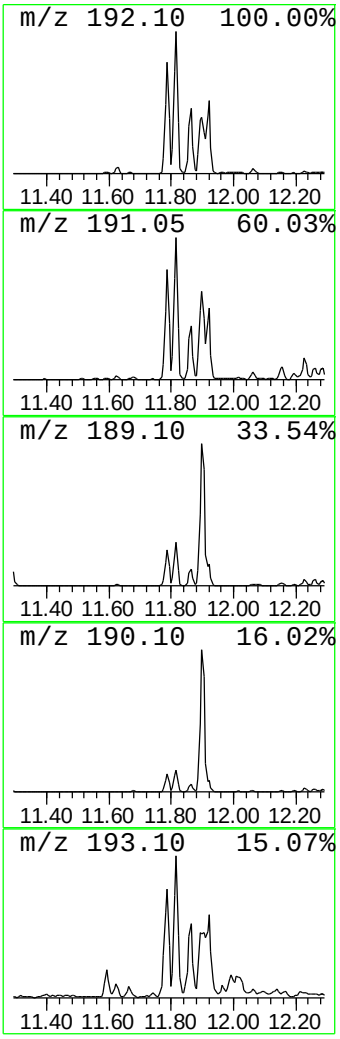
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	16.40 ng	711051	Phenanthrene-d10	11.29

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





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Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

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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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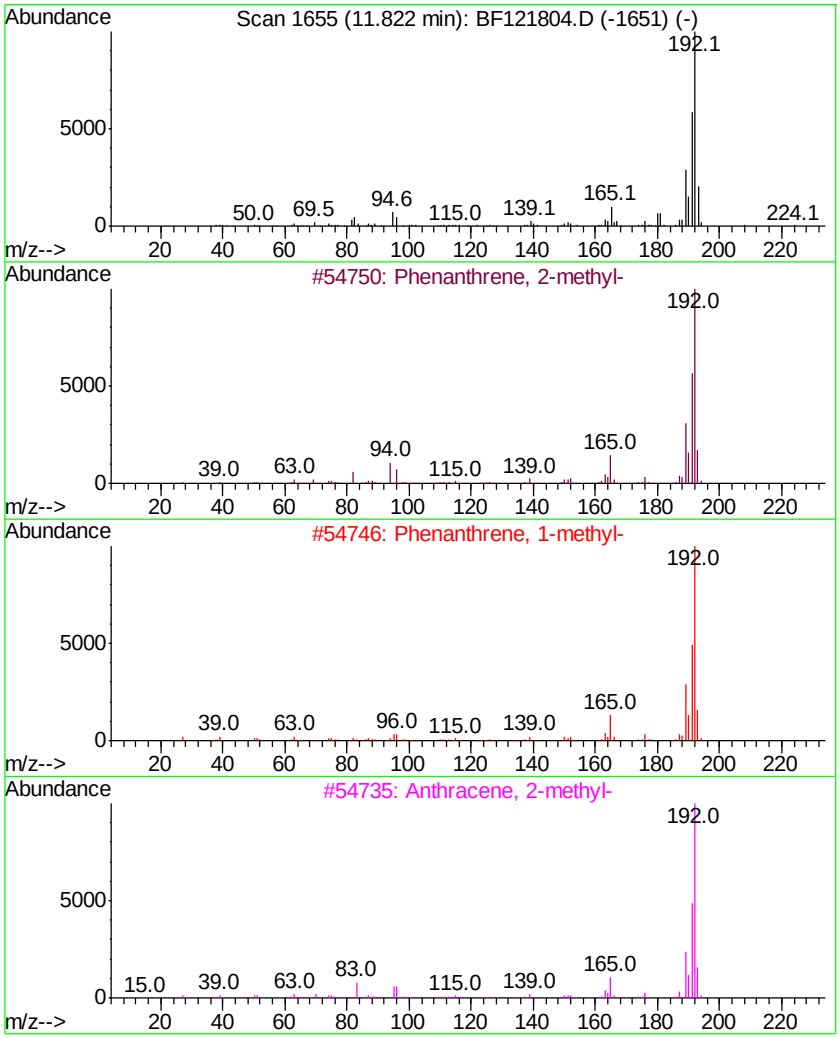
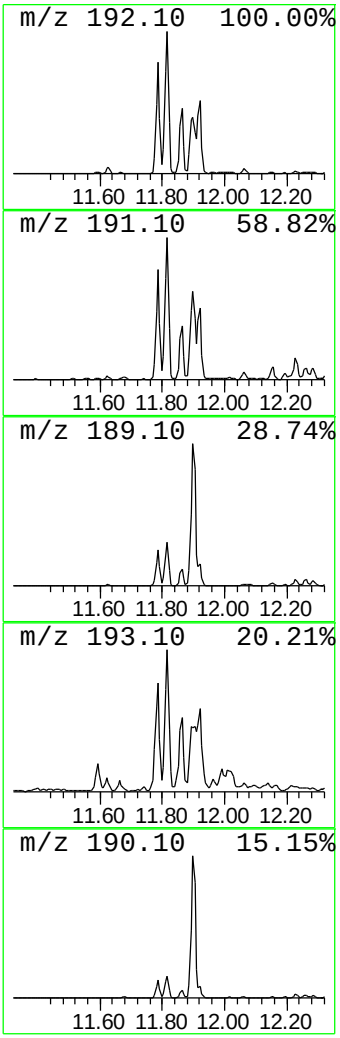
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	20.65 ng	895503	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Instrument : BNA_F
ClientSampleId : B-15(13-14)

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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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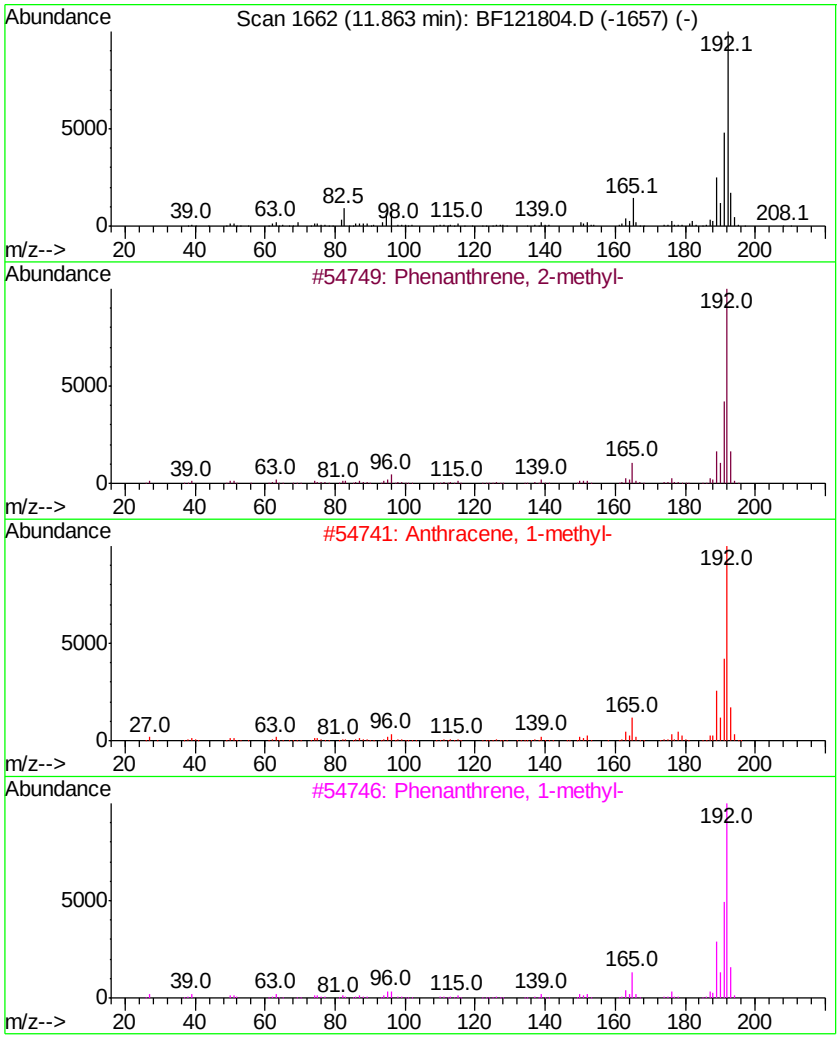
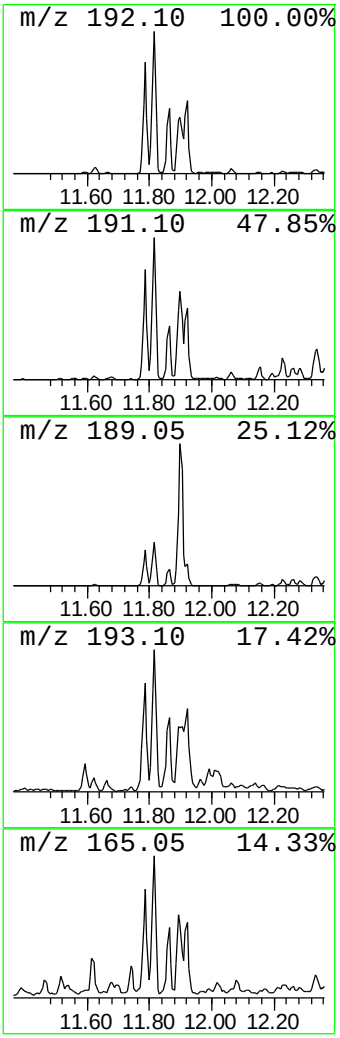
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	9.26 ng	401322	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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ClientSampleId : B-15(13-14)

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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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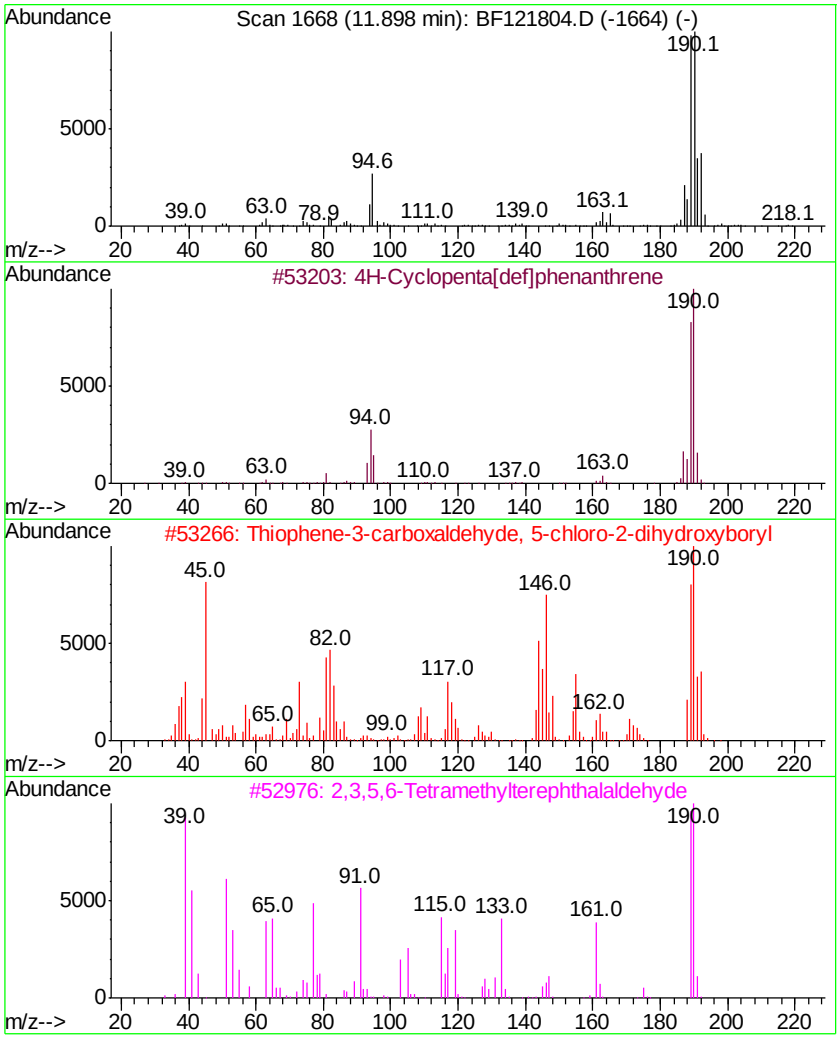
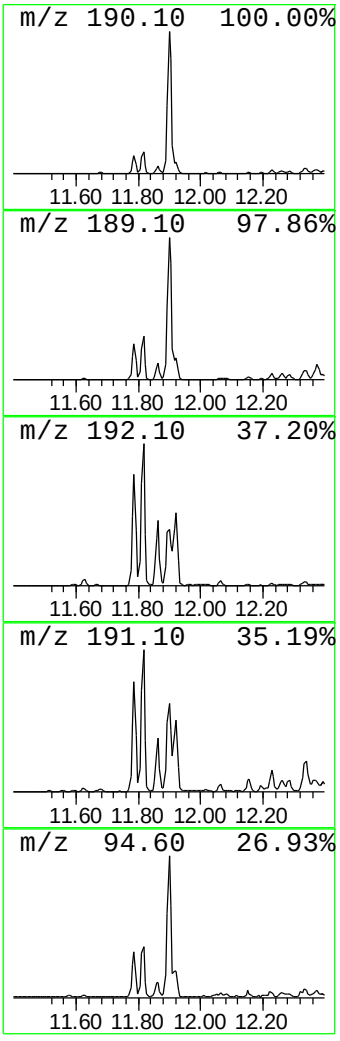
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	31.38 ng	1360460	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28





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Instrument : BNA_F
ClientSampleId : B-15(13-14)

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

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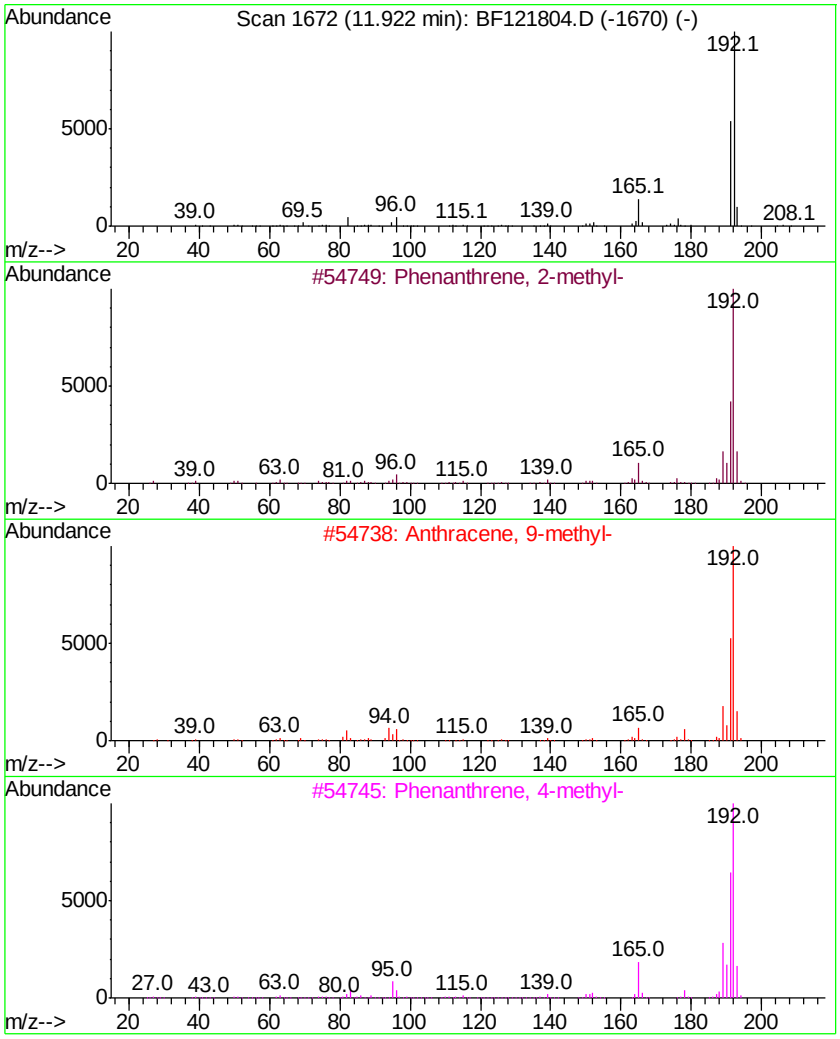
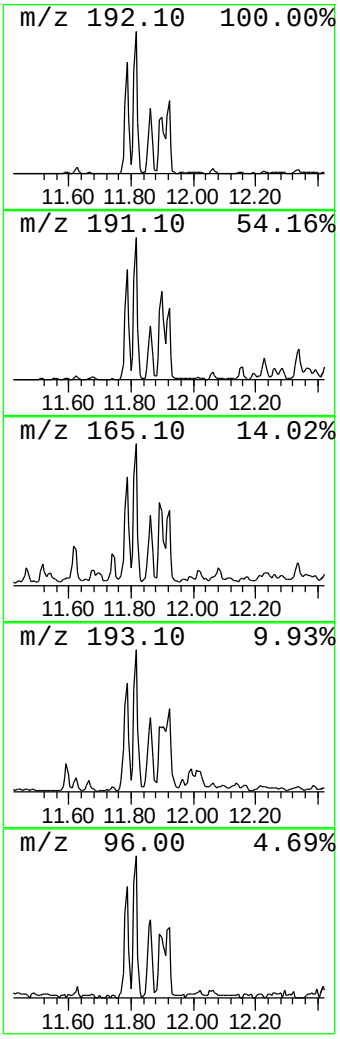
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	9.39 ng	407126	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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ClientSampleId : B-15(13-14)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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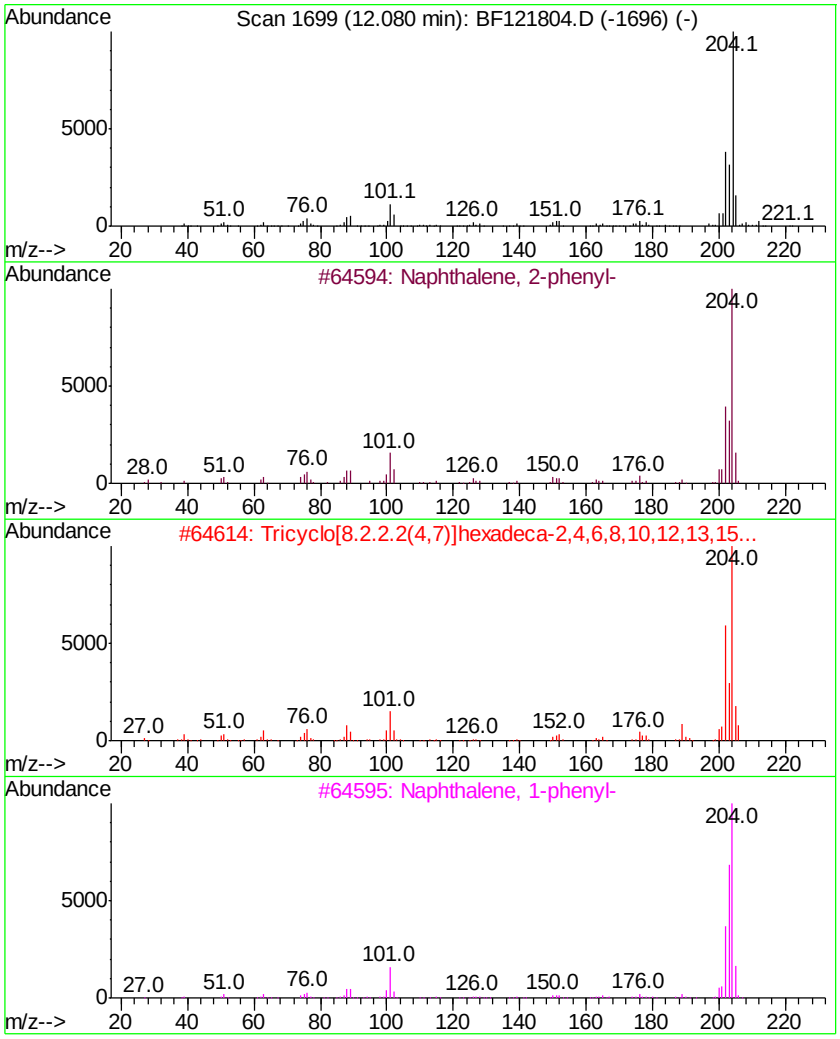
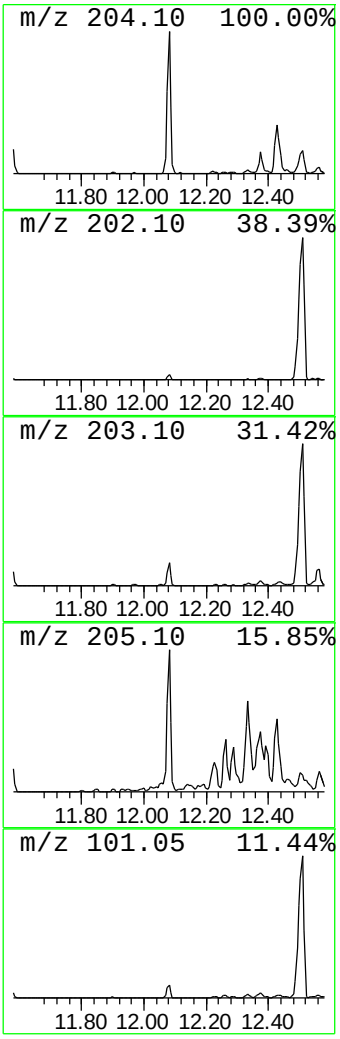
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	11.04 ng	478738	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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ClientSampleId : B-15(13-14)

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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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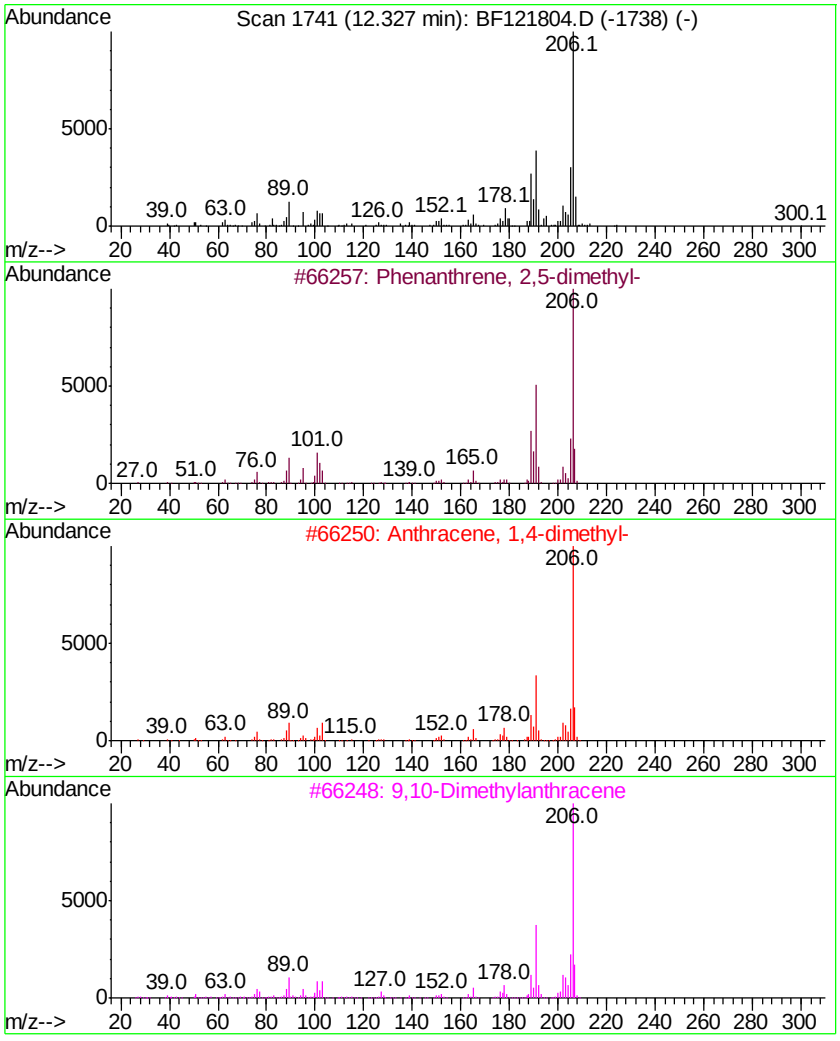
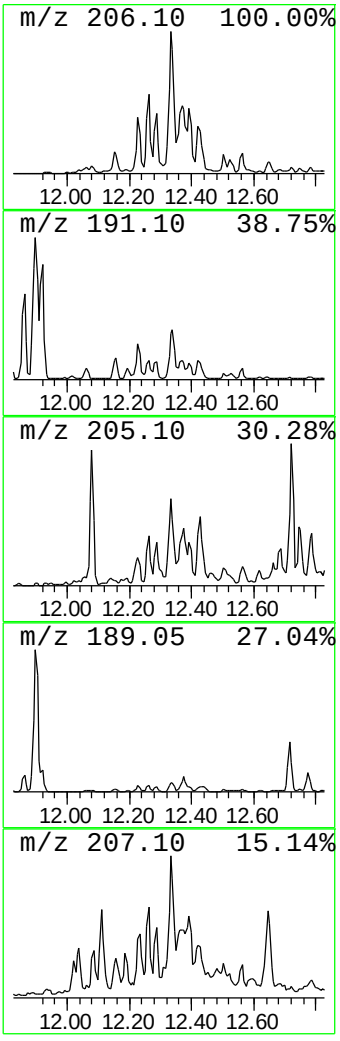
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	8.40 ng	364114	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : L4213-05
Misc :
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Instrument : BNA_F
ClientSampleId : B-15(13-14)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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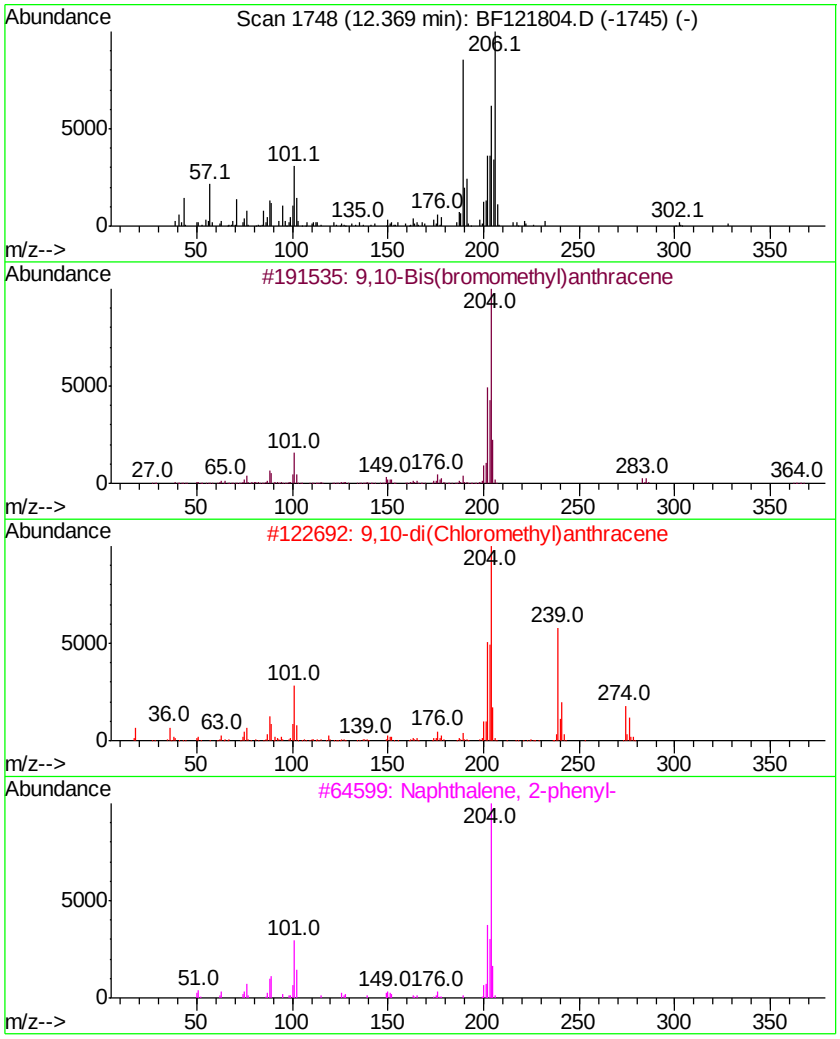
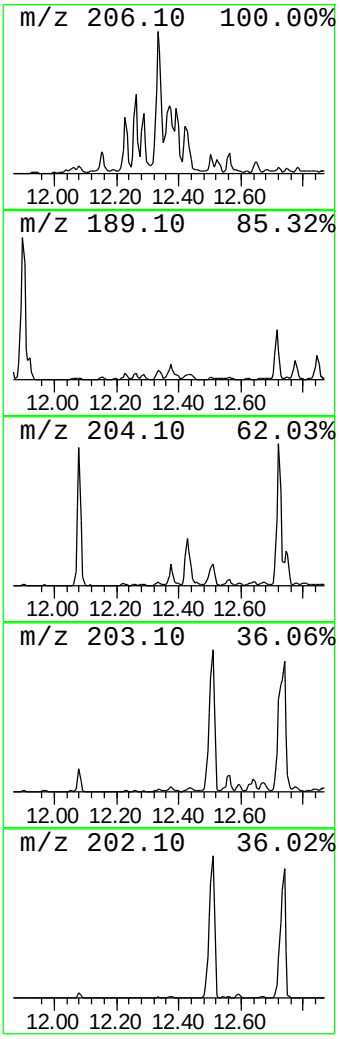
Peak Number 12 unknown12.37 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	6.40 ng	277291	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30





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Misc :
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Instrument : BNA_F
ClientSampleId : B-15(13-14)

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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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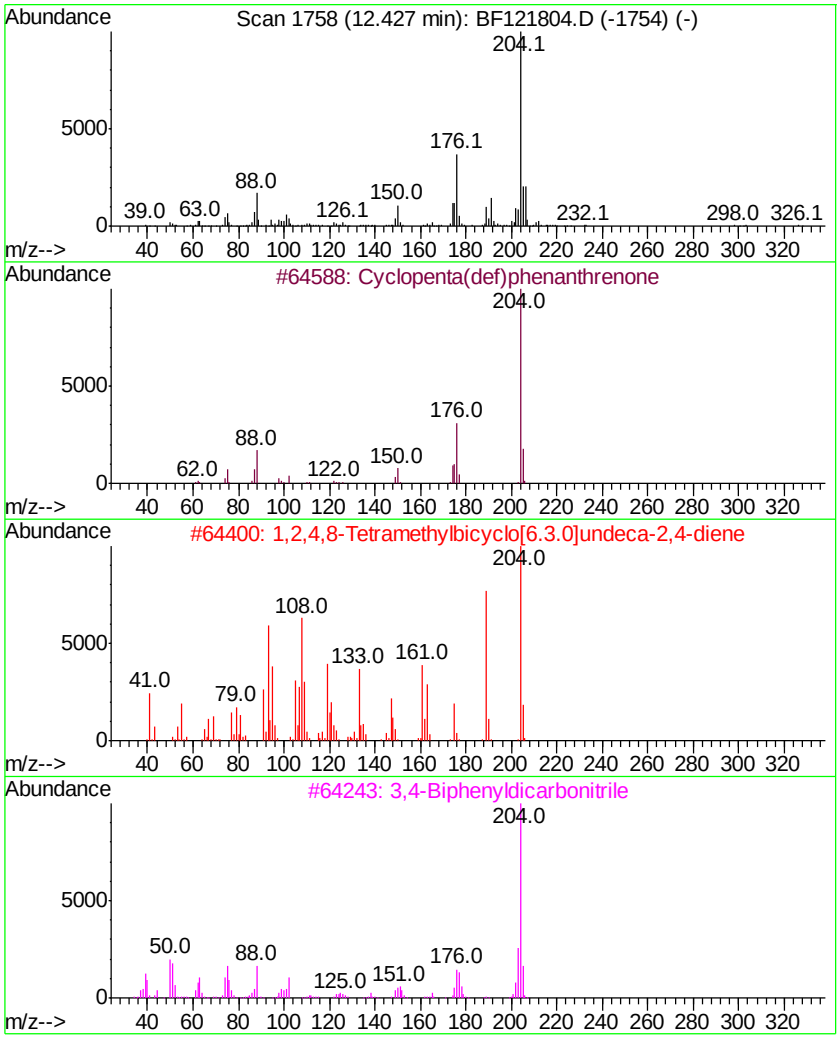
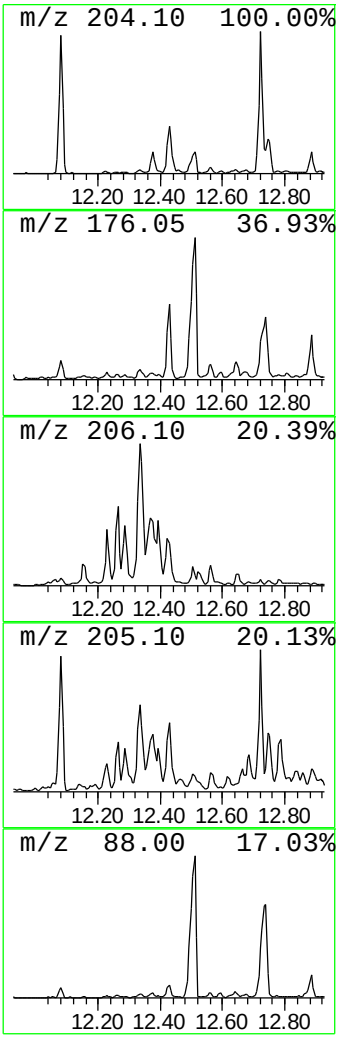
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.15 ng	310035	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





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ClientSampleId : B-15(13-14)

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

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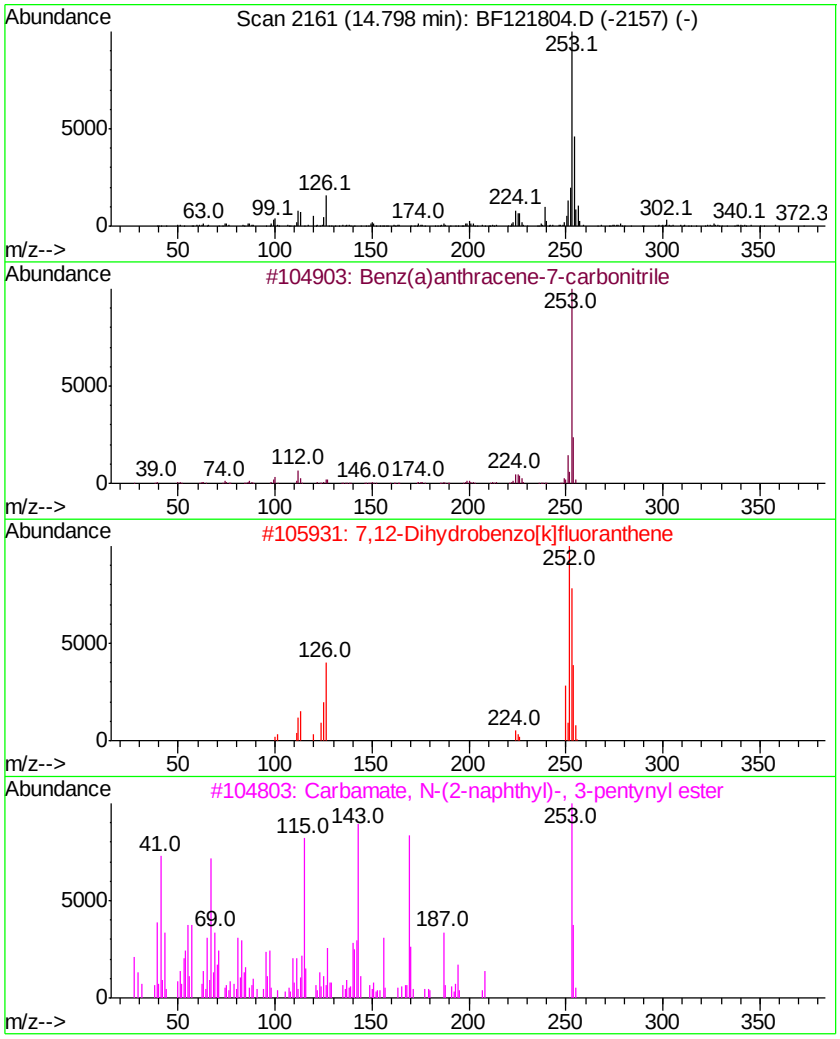
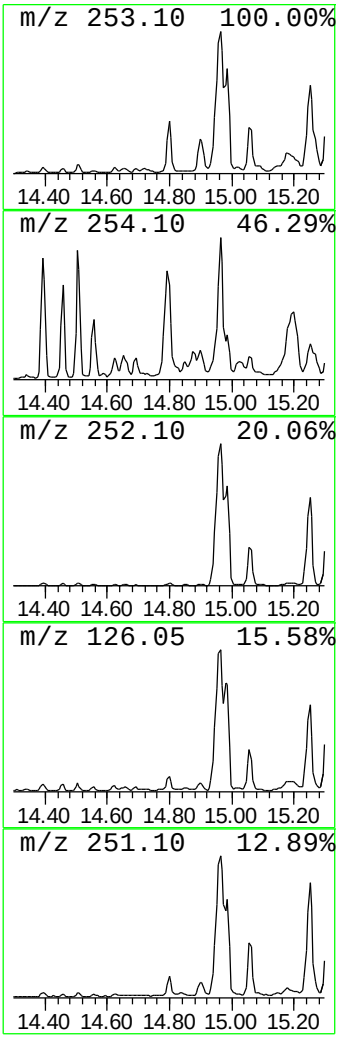
Peak Number 14 Benz(a)anthracene-7-carboni... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	7.88 ng	268765	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	49
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	43
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43





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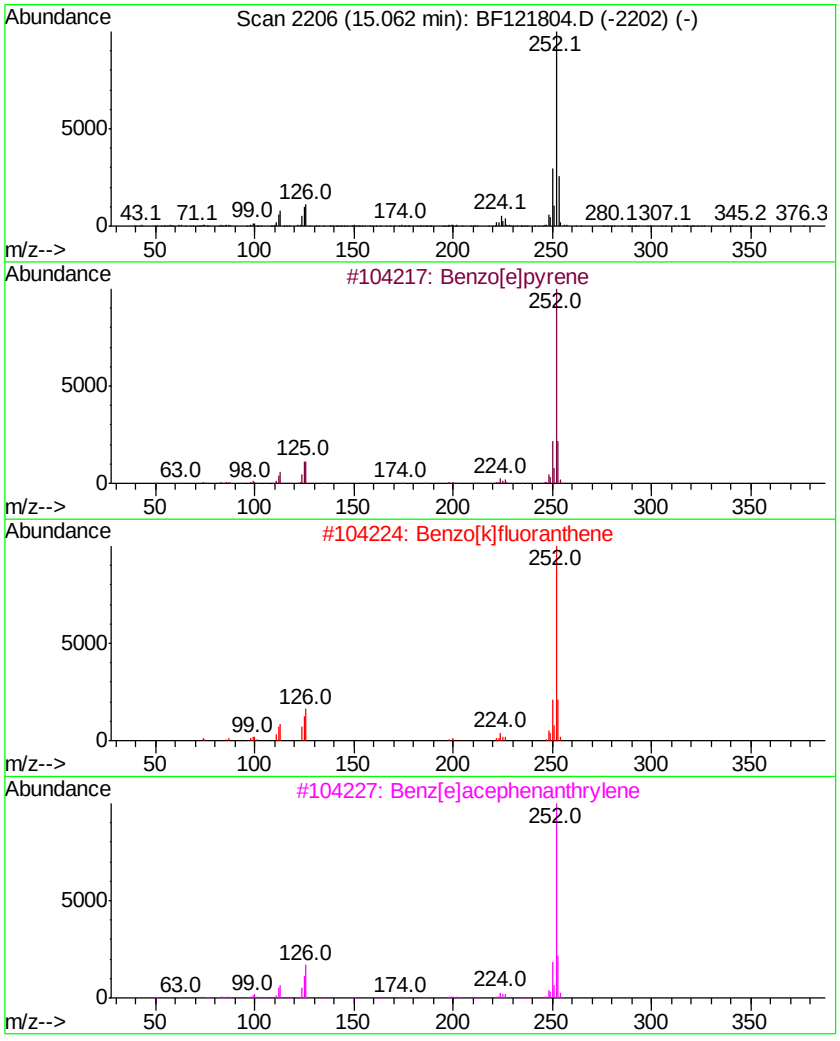
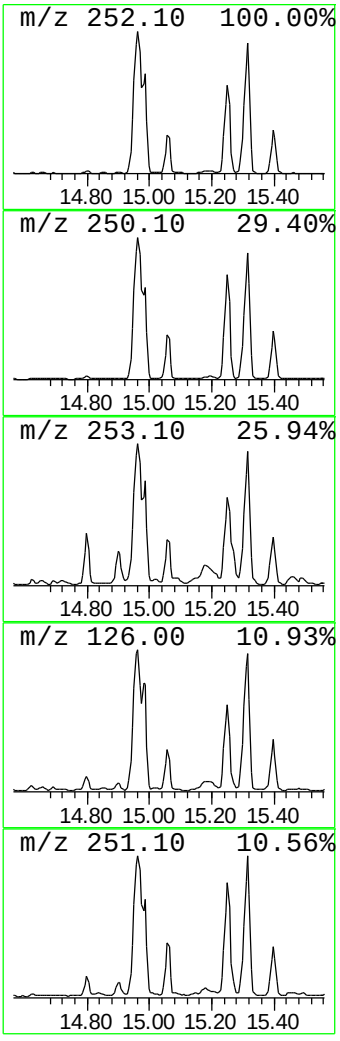
Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	16.22 ng	553181	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	86





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ClientSampleId : B-15(13-14)

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TIC Integration Parameters: LSCINT.P

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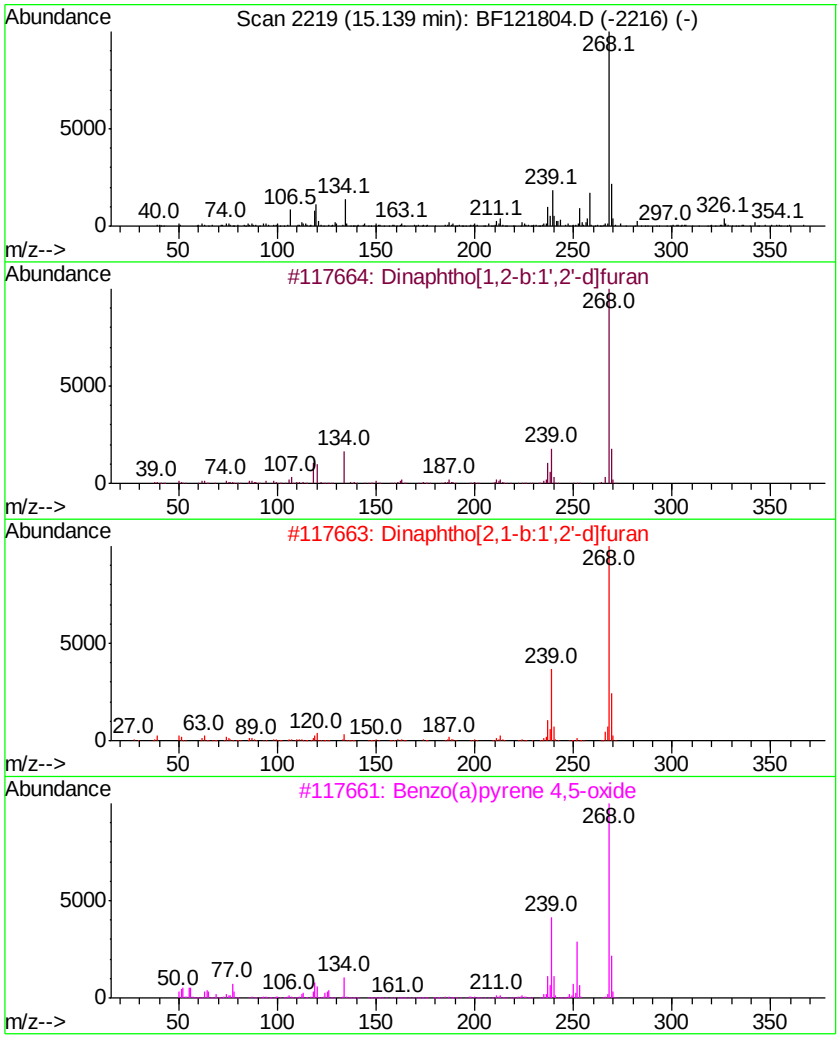
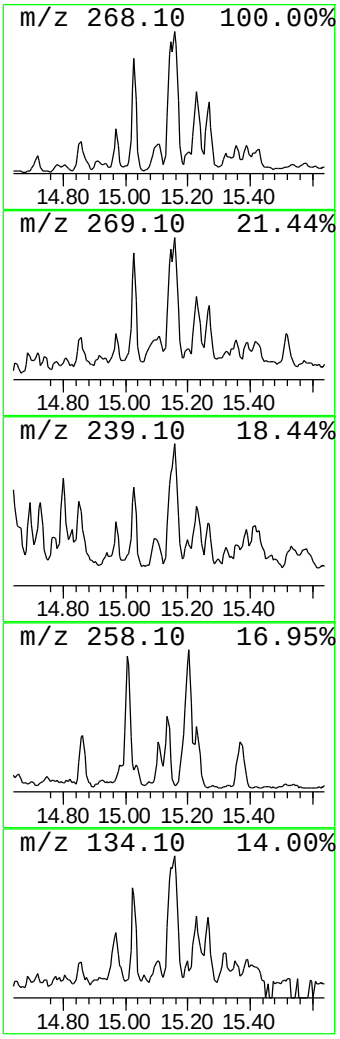
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	5.95 ng	202955	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	72
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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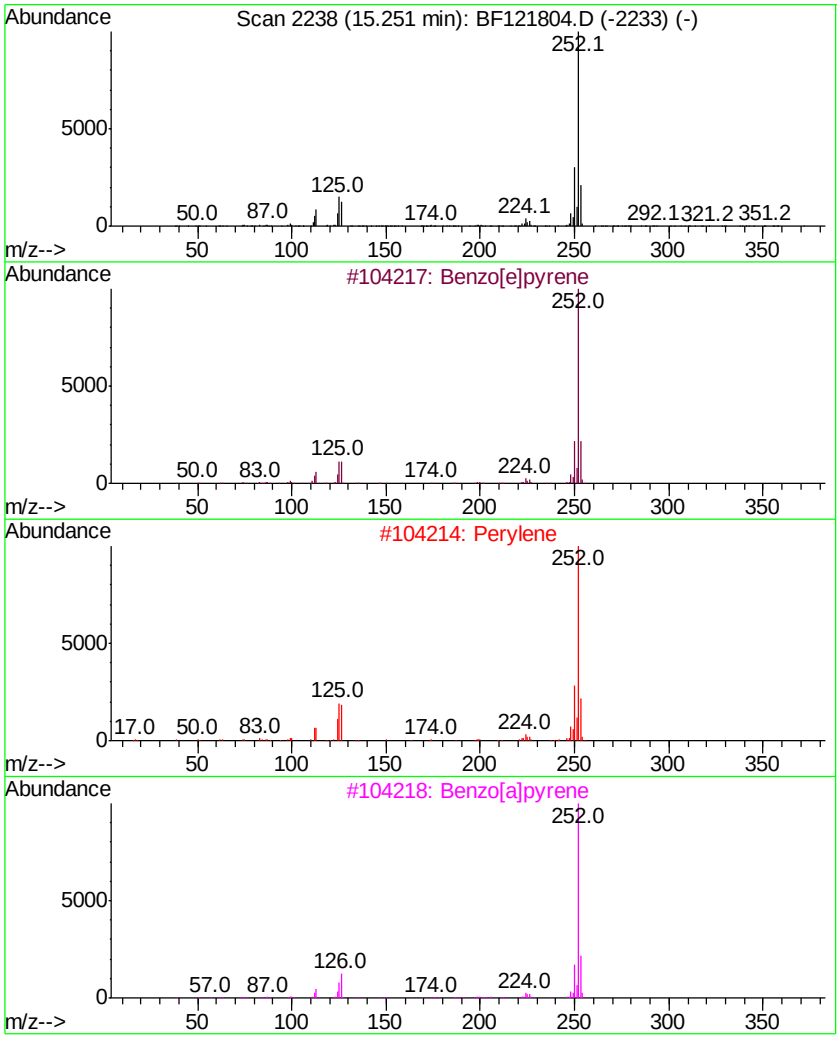
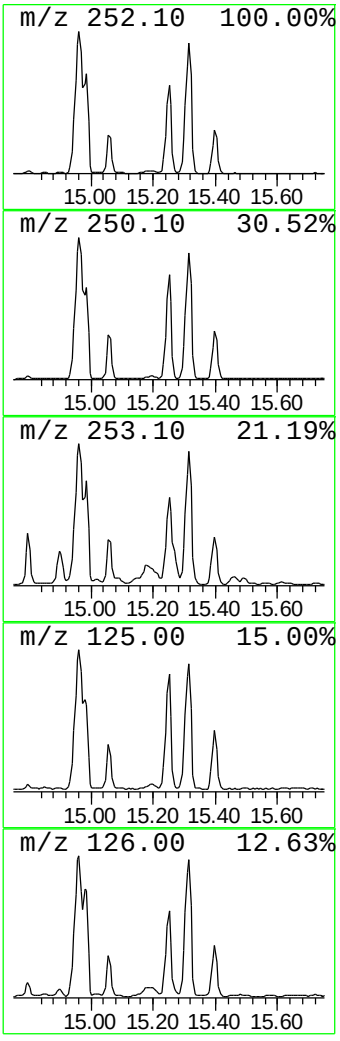
Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	49.77 ng	1697730	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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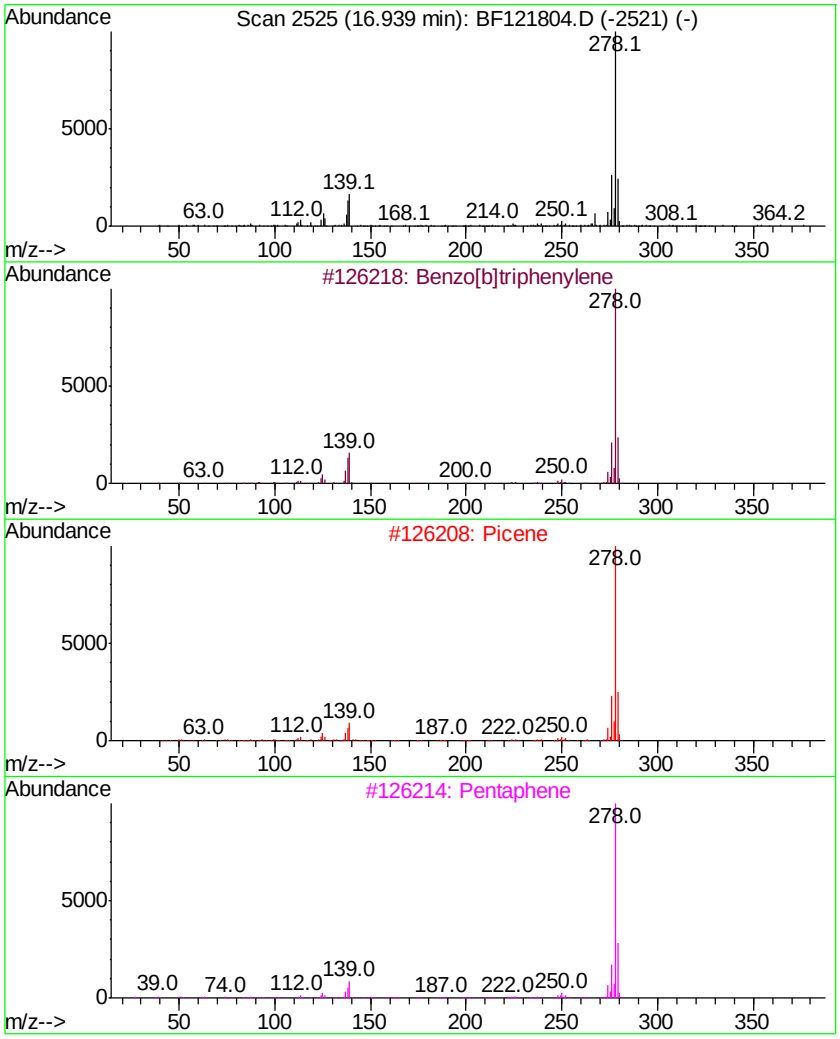
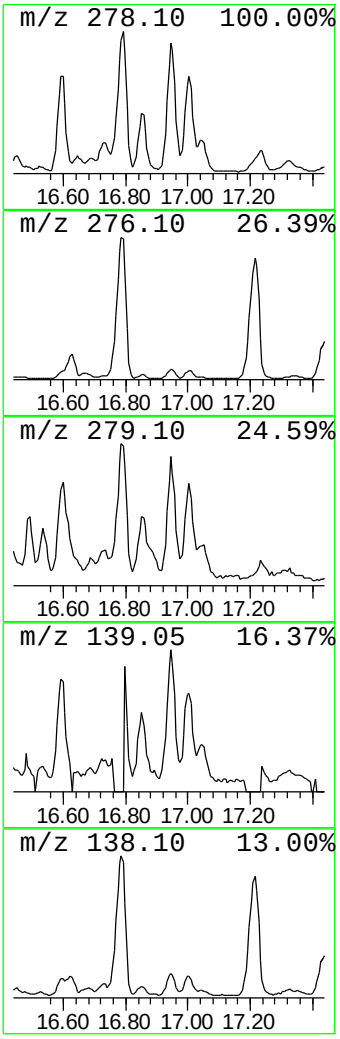
Peak Number 18 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	9.85 ng	336112	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Picene	278	C22H14	000213-46-7	98
3	Pentaphene	278	C22H14	000222-93-5	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
5	Benzo[b]chrysene	278	C22H14	000214-17-5	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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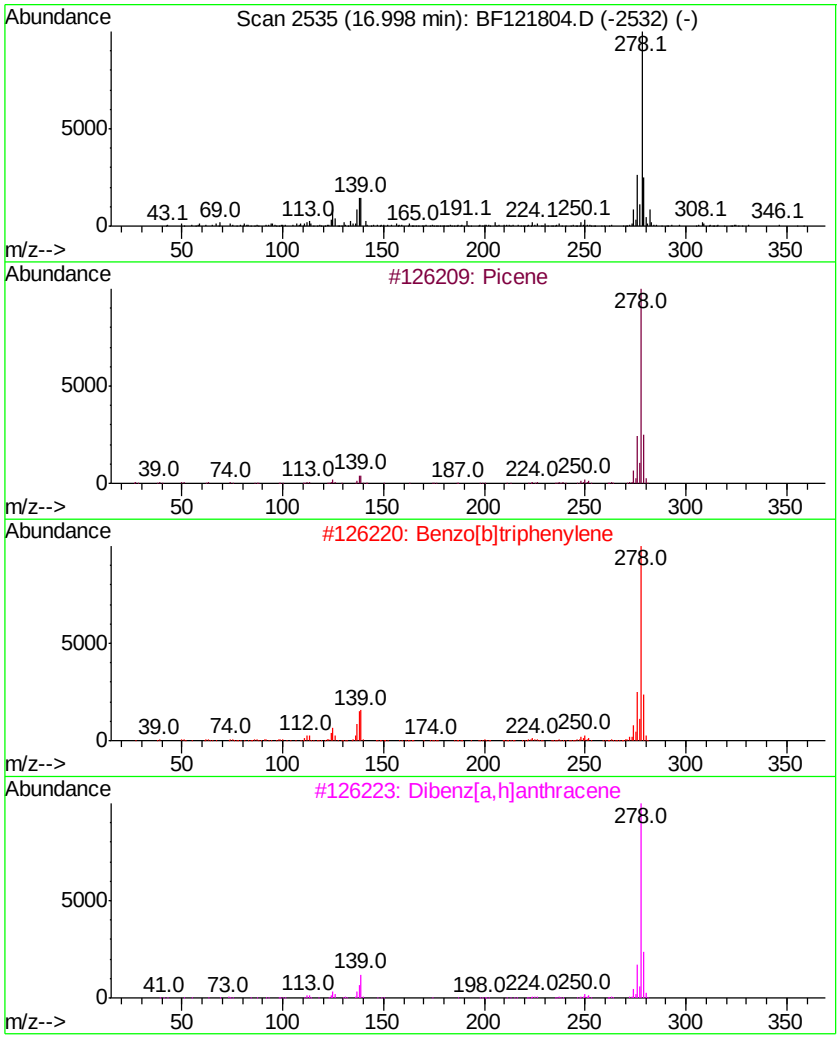
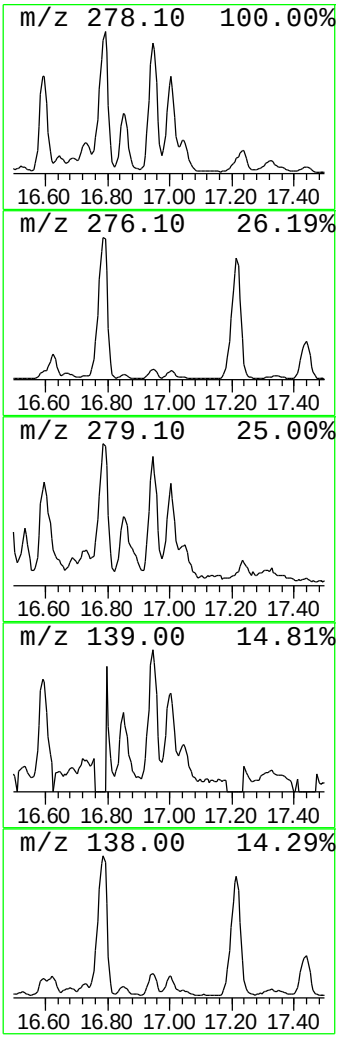
Peak Number 19 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	6.33 ng	216040	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	94
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
4	Benzo[b]chrysene	278	C22H14	000214-17-5	89
5	Pentacene	278	C22H14	000135-48-8	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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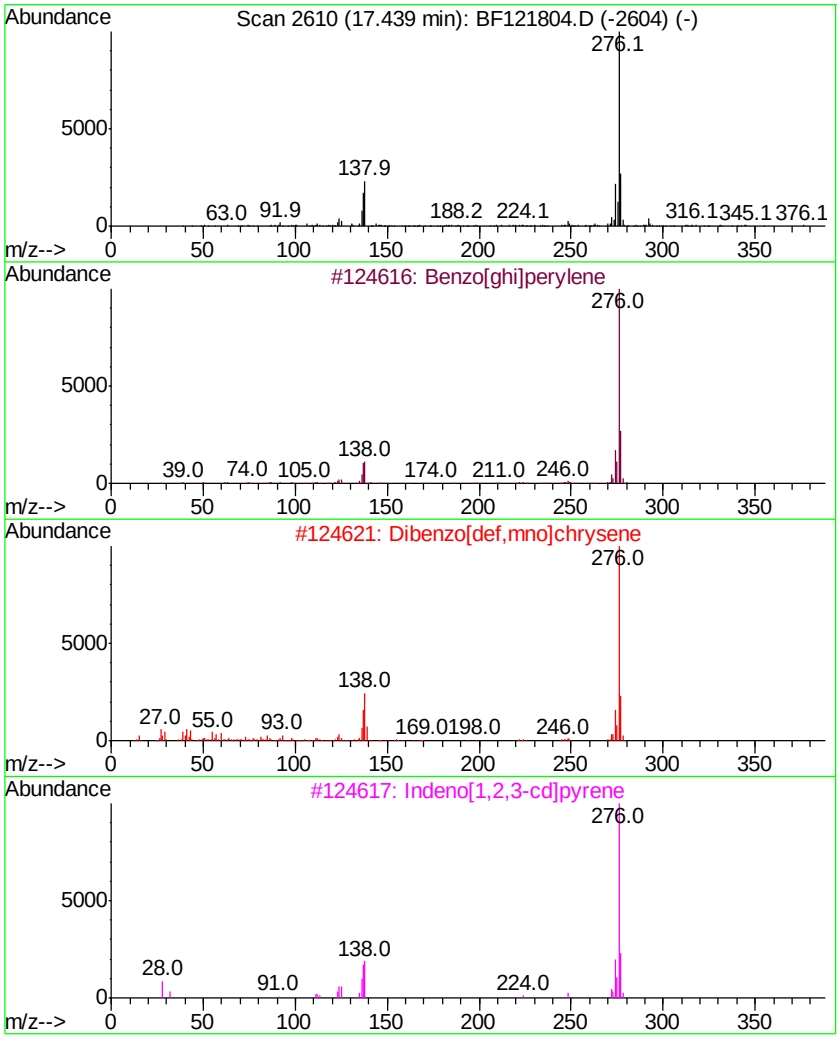
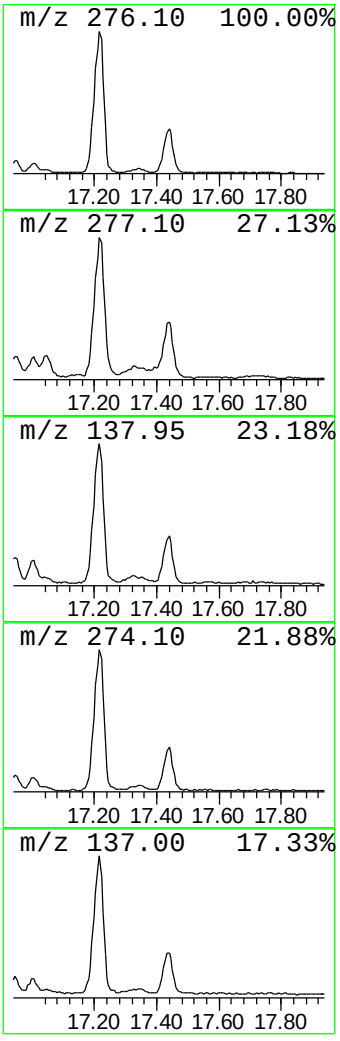
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	10.87 ng	370919	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	83
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53
5	Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100220\
Data File : BF121804.D
Acq On : 2 Oct 2020 20:20
Operator : JU/CG
Sample : L4213-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-15(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
3-Penten-2-one, 4...	4.33	11.6	ng	445793	1	6.76	771893	20.0
2-Pentanone, 4-hy...	4.97	18.6	ng	719106	1	6.76	771893	20.0
9H-Fluorene, 2-me...	10.89	7.5	ng	322907	4	11.29	867152	20.0
Dibenzothiophene	11.18	10.9	ng	474629	4	11.29	867152	20.0
Phenanthrene, 2-m...	11.79	16.4	ng	711051	4	11.29	867152	20.0
Phenanthrene, 1-m...	11.82	20.6	ng	895503	4	11.29	867152	20.0
Anthracene, 1-met...	11.86	9.3	ng	401322	4	11.29	867152	20.0
4H-Cyclopenta[def...	11.90	31.4	ng	1360460	4	11.29	867152	20.0
Anthracene, 9-met...	11.92	9.4	ng	407126	4	11.29	867152	20.0
Naphthalene, 2-ph...	12.08	11.0	ng	478738	4	11.29	867152	20.0
Phenanthrene, 2,5...	12.33	8.4	ng	364114	4	11.29	867152	20.0
unknown12.37	12.37	6.4	ng	277291	4	11.29	867152	20.0
Cyclopenta(def)ph...	12.43	7.2	ng	310035	4	11.29	867152	20.0
Benz(a)anthracene...	14.80	7.9	ng	268765	6	15.37	682254	20.0
Benzo[e]pyrene	15.06	16.2	ng	553181	6	15.37	682254	20.0
Dinaphtho[1,2-b:1...	15.14	6.0	ng	202955	6	15.37	682254	20.0
Perylene	15.25	49.8	ng	1697730	6	15.37	682254	20.0
Benzo[b]triphenylene	16.94	9.8	ng	336112	6	15.37	682254	20.0
Picene	17.00	6.3	ng	216040	6	15.37	682254	20.0
Dibenzo[def,mno]c...	17.44	10.9	ng	370919	6	15.37	682254	20.0