LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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-BF020320.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	5.434	565	569	582	rVB	4739161	4649135	58.95%	3.579%
2	6.445	737	741	749	rBV	4306333	4550210	57.70%	3.503%
3	6.810	800	803	806	rBV	1673462	1375845	17.45%	1.059%
4	6.969	826	830	834	rBV	4970843	4264911	54.08%	3.283%
5	7.369	889	898	902	rBV	3180336	3204723	40.64%	2.467%
6	8.092	1017	1021	1024	rBV	1971562	1815403	23.02%	1.398%
7	8.804	1140	1142	1147	rVB	206930	189573	2.40%	0.146%
8	8.904	1156	1159	1163	rBV	198003	169117	2.14%	0.130%
9	9.169	1200	1204	1216	rBV	6765403	6407624	81.25%	4.933%
10	9.510	1258	1262	1264	rVV	196500	211144	2.68%	0.163%
11	9.563	1268	1271	1276	rVV2	203401	291955	3.70%	0.225%
12	9.710	1290	1296	1302	rBV	344283	355238	4.50%	0.273%
13	9.845	1313	1319	1323	rBV	2440135	2341950	29.70%	1.803%
14	9.881	1323	1325	1329	rVB	301192	254184	3.22%	0.196%
15	10.051	1350	1354	1357	rVV	273204	247152	3.13%	0.190%
16	10.257	1384	1389	1391	rBV4	126701	165504	2.10%	0.127%
17	10.392	1409	1412	1418	rVB2	494915	514845	6.53%	0.396%
18	10.551	1436	1439	1446	rVB	207523	190003	2.41%	0.146%
19	10.633	1448	1453	1460	rBV	4678479	4924373	62.44%	3.791%
20	10.757	1470	1474	1481	rVB2	257630	408073	5.17%	0.314%
21	10.939	1500	1505	1508	rBV3	165618	219287	2.78%	0.169%
22	11.069	1522	1527	1529	rBV3	158741	197234	2.50%	0.152%
23	11.139	1536	1539	1543	rVB2	183173	187381	2.38%	0.144%
24	11.180	1543	1546	1548	rVV	156168	181674	2.30%	0.140%
25	11.228	1552	1554	1559	rVB	275741	272409	3.45%	0.210%
26	11.333	1568	1572	1574	rBV	2757911	2798881	35.49%	2.155%
27	11.357	1574	1576	1579	rVV	4576543	3612939	45.81%	2.781%
28	11.404	1581	1584	1587	rVV	1111243	939729	11.92%	0.723%
29	11.557	1605	1610	1613	rBV2	203383	252028	3.20%	0.194%
30	11.627	1619	1622	1625	rVV	288417	230623	2.92%	0.178%
31	11.663	1625	1628	1633	rVB2	214879	214906	2.73%	0.165%
32	11.833	1651	1657	1659	rVV	836938	798395	10.12%	0.615%
33	11.863	1659	1662	1666	rVV	1637802	1555515	19.72%	1.197%
34	11.910	1666	1670	1672	rVV	379700	420732	5.33%	0.324%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
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Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.945	1672	1676	1678	rVV	1533533	1679324	21.29%	1.293%
36	11.963	1678	1679	1684	rVB	601131	517066	6.56%	0.398%
37	12.033	1689	1691	1694	rVV	205974	199597	2.53%	0.154%
38	12.127	1703	1707	1709	rVV	638556	619184	7.85%	0.477%
39	12.151	1709	1711	1718	rVB2	343361	350804	4.45%	0.270%
40	12.275	1730	1732	1735	rVB	198649	164335	2.08%	0.127%
41	12.310	1735	1738	1740	rBV	252818	224010	2.84%	0.172%
42	12.333	1740	1742	1744	rVB	224488	178947	2.27%	0.138%
43	12.380	1744	1750	1753	rBV	686306	780625	9.90%	0.601%
44	12.422	1753	1757	1759	rVV2	495501	606255	7.69%	0.467%
45	12.469	1762	1765	1770	rVV2	502993	593882	7.53%	0.457%
46	12.551	1774	1779	1782	rBV	7131106	7319094	92.81%	5.635%
47	12.586	1782	1785	1787	rVV	204059	222093	2.82%	0.171%
48	12.604	1787	1788	1791	rVV2	231896	194602	2.47%	0.150%
49	12.639	1791	1794	1797	rVV2	286937	322367	4.09%	0.248%
50	12.674	1797	1800	1801	rVV3	161335	209410	2.66%	0.161%
51	12.692	1801	1803	1807	rVV	308438	378197	4.80%	0.291%
52	12.774	1811	1817	1822	rVV2	6300648	7886389	100.00%	6.071%
53	12.822	1822	1825	1830	rVB2	368632	498433	6.32%	0.384%
54	12.916	1837	1841	1848	rVB	7859368	7822940	99.20%	6.022%
55	12.992	1848	1854	1857	rBV2	584472	962952	12.21%	0.741%
56	13.074	1865	1868	1870	rVV4	469923	604298	7.66%	0.465%
57	13.098	1870	1872	1875	rVB	1299475	1176883	14.92%	0.906%
58	13.163	1875	1883	1886	rBV	930110	1133010	14.37%	0.872%
59	13.204	1886	1890	1893	rVV2	901161	977386	12.39%	0.752%
60	13.298	1902	1906	1908	rVB	450477	409612	5.19%	0.315%
61	13.327	1908	1911	1914	rBV	504066	477451	6.05%	0.368%
62	13.498	1933	1940	1942	rBV5	261845	539541	6.84%	0.415%
63	13.586	1951	1955	1956	rBV3	159183	199189	2.53%	0.153%
64	13.604	1956	1958	1963	rVV	529235	612449	7.77%	0.471%
65	13.716	1972	1977	1980	rBV3	656357	874734	11.09%	0.673%
66	13.745	1980	1982	1984	rVV	646278	575341	7.30%	0.443%
67	13.769	1984	1986	1991	rVV3	654074	938387	11.90%	0.722%
68	13.816	1991	1994	1999	rVV	1282125	1561659	19.80%	1.202%
69	13.886	2003	2006	2012	rVV2	139422	196056	2.49%	0.151%
70	13.963	2012	2019	2022	rVV2	4434306	6665367	84.52%	5.131%
71	13.998	2022	2025	2032	rVV	3414468	3466975	43.96%	2.669%

LSC Area Percent Report

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Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.074	2035	2038	2040	rVV	693049	616200	7.81%	0.474%
73	14.110	2042	2044	2046	rVV	271729	302168	3.83%	0.233%
74	14.133	2046	2048	2051	rVV4	346317	502826	6.38%	0.387%
75	14.192	2054	2058	2061	rVV2	332656	486813	6.17%	0.375%
76	14.316	2077	2079	2081	rVV	230385	235643	2.99%	0.181%
77	14.351	2081	2085	2088	rVV	759363	984471	12.48%	0.758%
78	14.386	2088	2091	2095	rVV	463333	506375	6.42%	0.390%
79	14.451	2095	2102	2104	rVV3	523038	1006836	12.77%	0.775%
80	14.480	2104	2107	2108	rVV	576133	571352	7.24%	0.440%
81	14.498	2108	2110	2114	rVV	556958	572933	7.26%	0.441%
82	14.545	2114	2118	2125	rVB4	272091	450212	5.71%	0.347%
83	14.686	2140	2142	2148	rVB4	194631	253753	3.22%	0.195%
84	14.739	2148	2151	2154	rBV	342351	357631	4.53%	0.275%
85	14.839	2161	2168	2176	rBV3	270852	582797	7.39%	0.449%
86	14.904	2176	2179	2183	rBV3	133881	189358	2.40%	0.146%
87	15.004	2190	2196	2198	rBV	3055126	4583469	58.12%	3.529%
88	15.068	2204	2207	2210	rVB	296750	307093	3.89%	0.236%
89	15.104	2210	2213	2217	rVB	732944	734733	9.32%	0.566%
90	15.192	2225	2228	2229	rBV2	143926	155779	1.98%	0.120%
91	15.298	2241	2246	2251	rVB	1734484	2386735	30.26%	1.837%
92	15.357	2251	2256	2262	rBV	2639480	3416350	43.32%	2.630%
93	15.415	2262	2266	2269	rVV	1669020	2306896	29.25%	1.776%
94	15.445	2269	2271	2278	rVB2	1016266	1374068	17.42%	1.058%
95	15.968	2357	2360	2369	rVB3	260867	436104	5.53%	0.336%
96	16.857	2504	2511	2518	rVB2	1311123	2637615	33.45%	2.031%
97	16.933	2520	2524	2532	rVB2	184137	376409	4.77%	0.290%
98	17.021	2535	2539	2544	rBV	218192	402540	5.10%	0.310%
99	17.292	2578	2585	2594	rVB	923587	1985844	25.18%	1.529%
100	17.515	2619	2623	2635	rVB2	265323	622551	7.89%	0.479%

Sum of corrected areas: 129897093

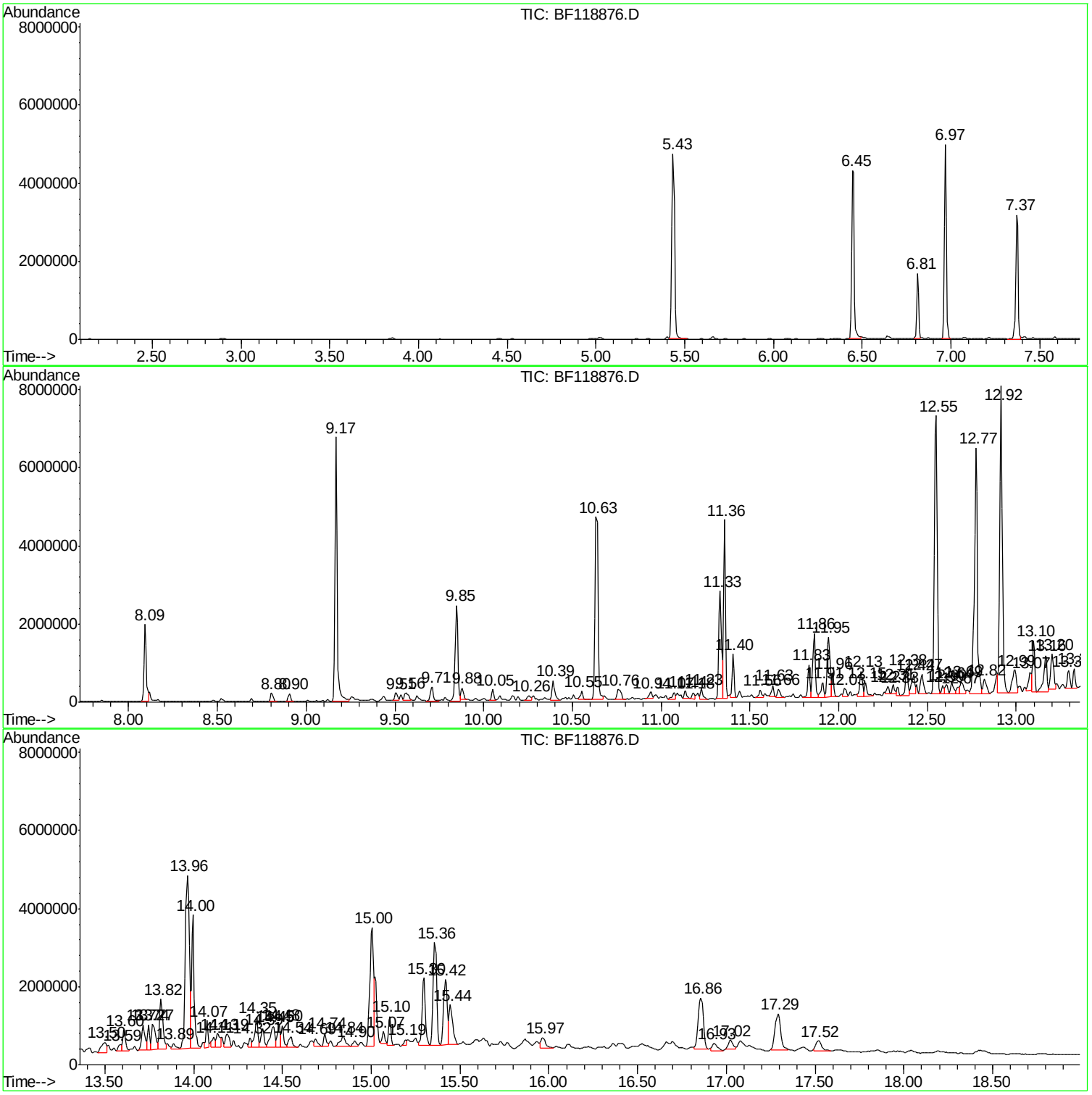
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

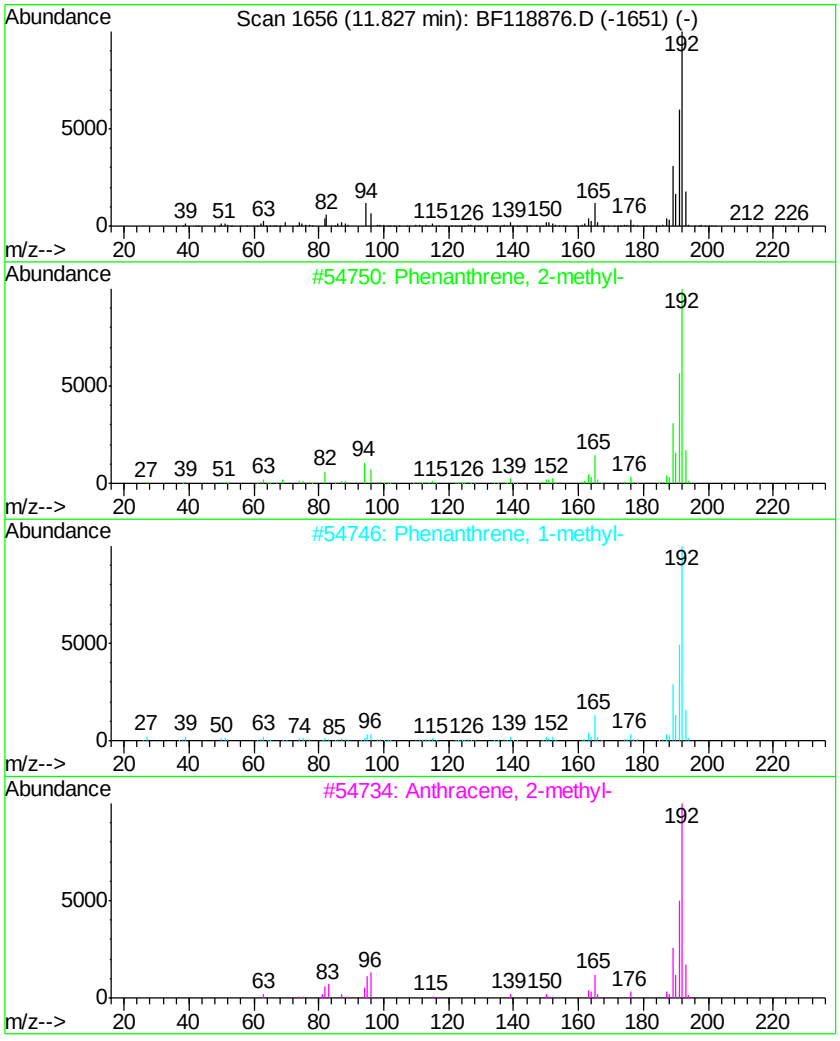
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

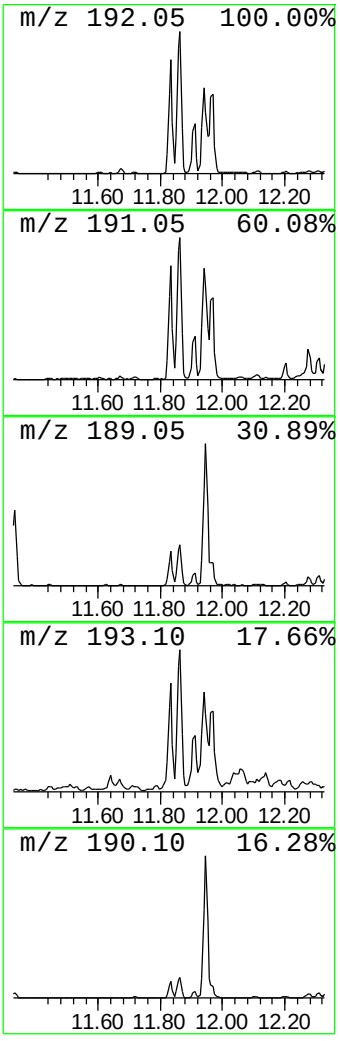
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.71 ng	798395	Phenanthrene-d10	11.33

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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

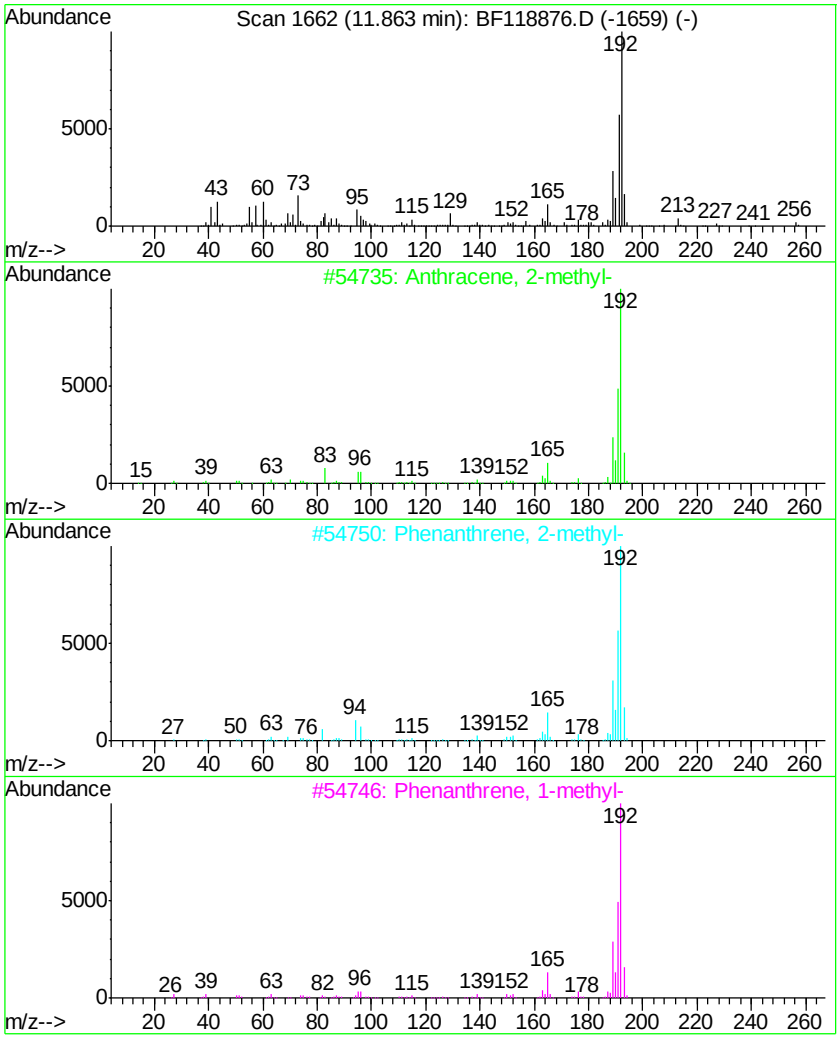
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

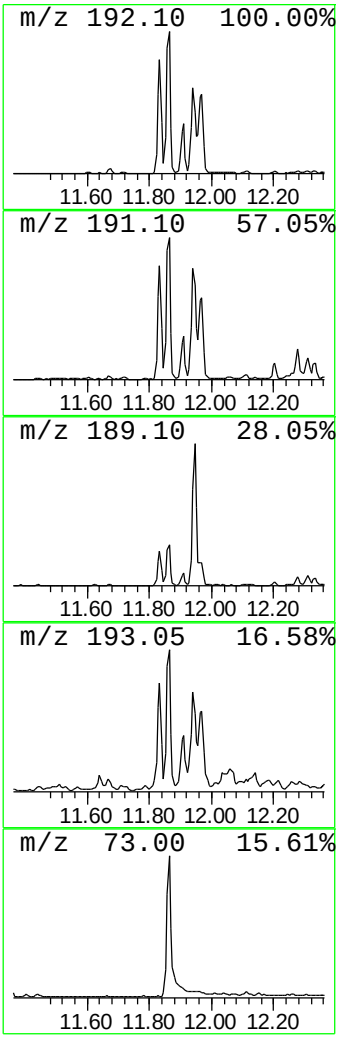
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	11.12 ng	1555520	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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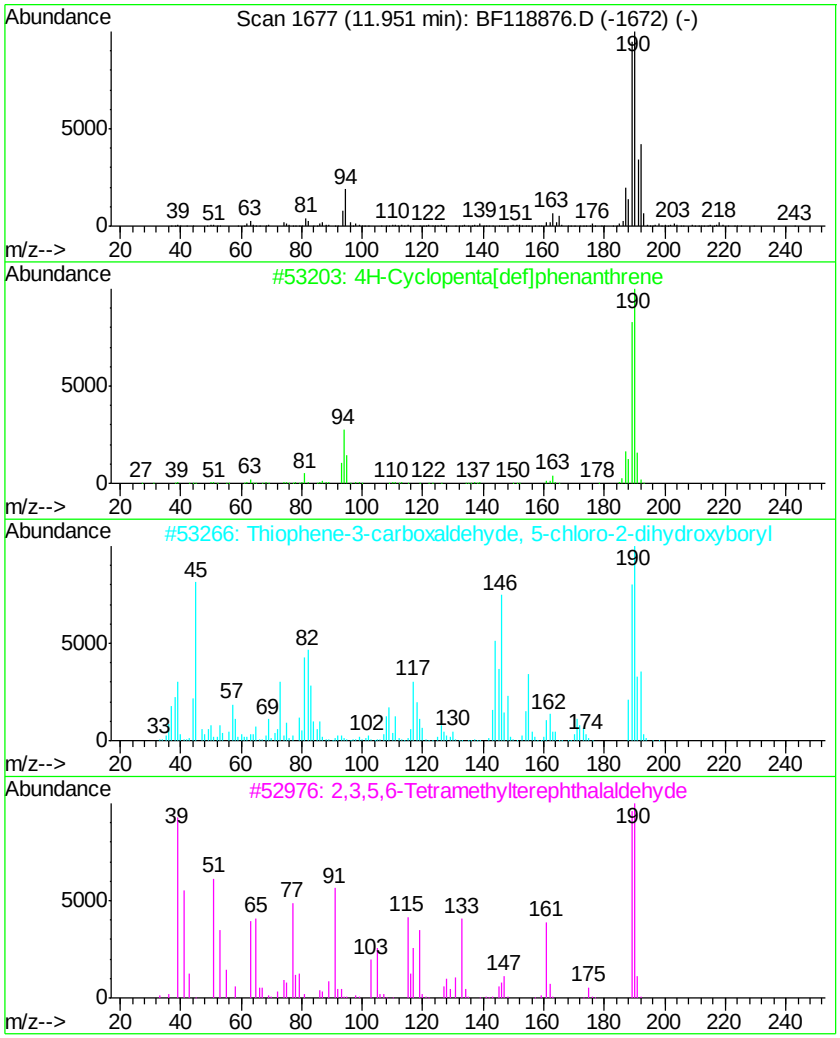
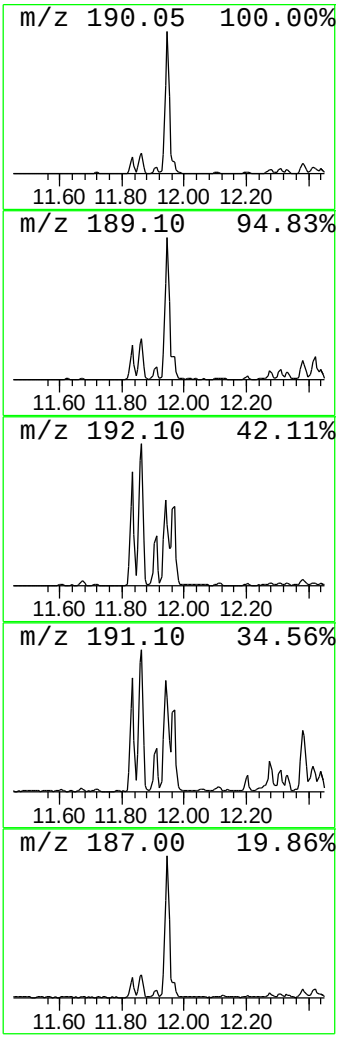
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	12.00 ng	1679320	Phenanthrene-d10	11.33

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	Methyl diselenide	190	C2H6Se2	007101-31-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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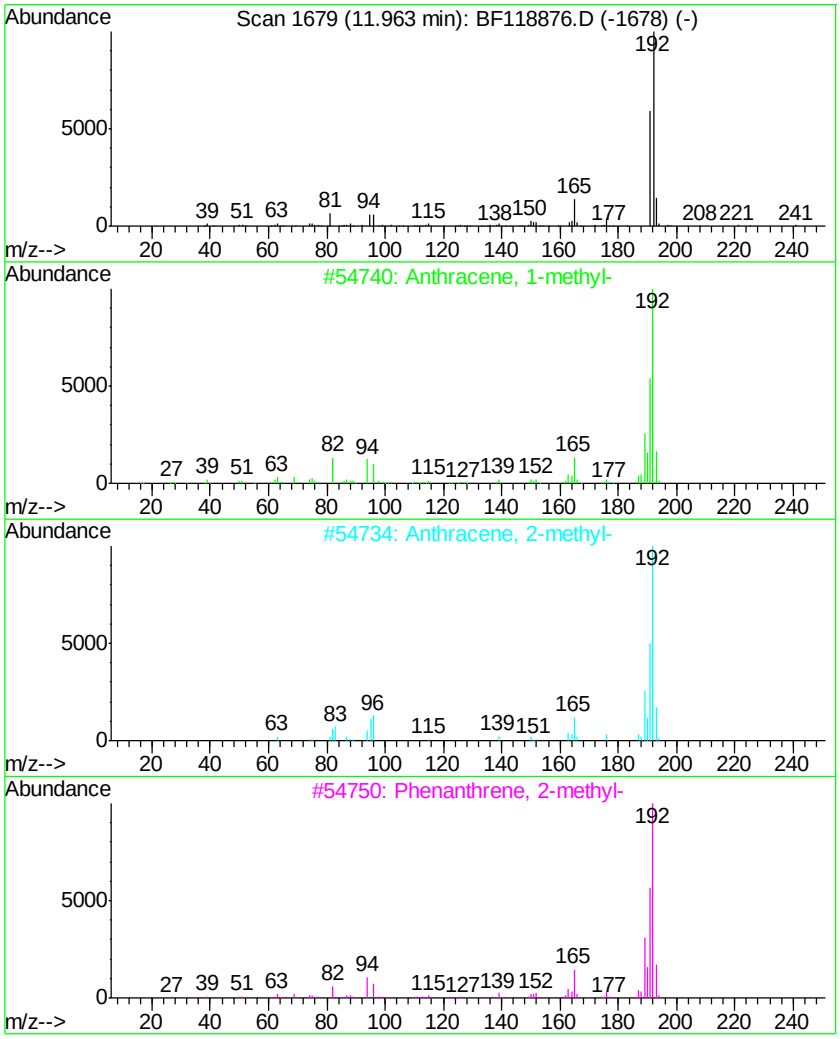
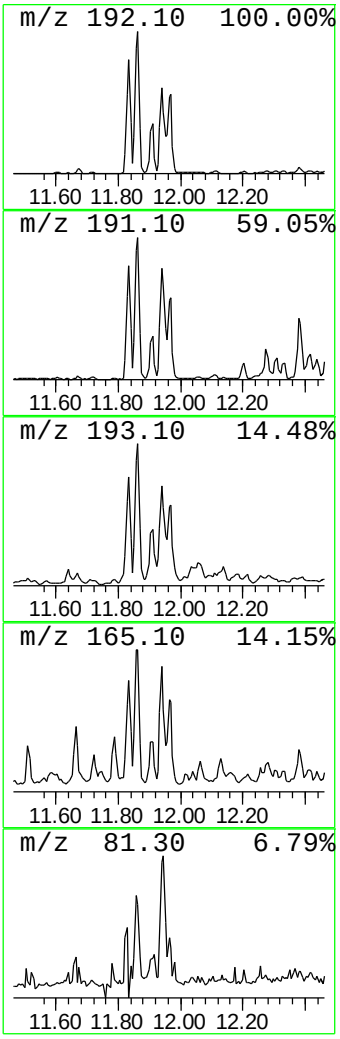
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.69 ng	517066	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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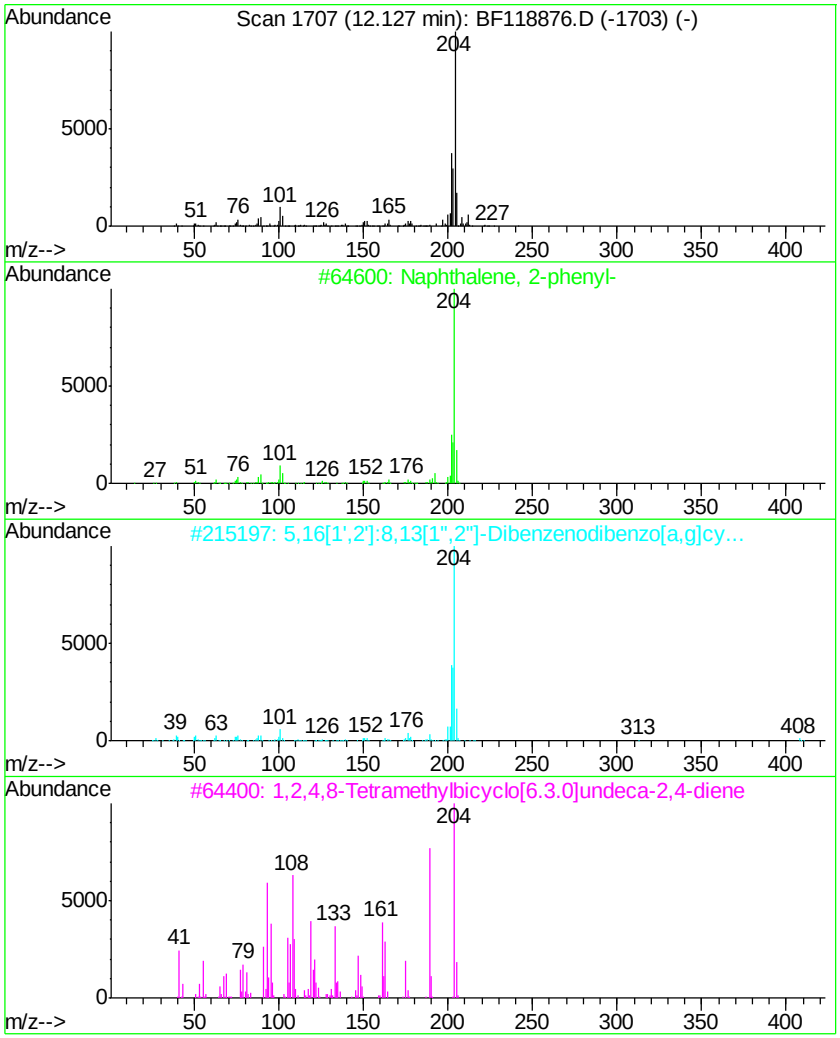
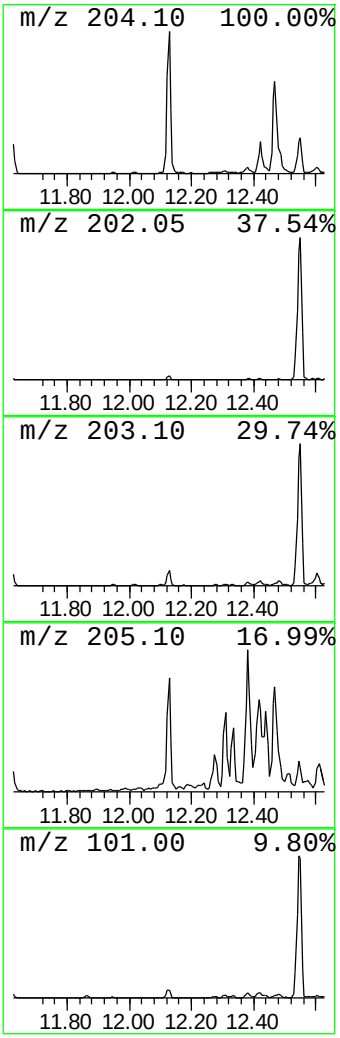
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.42 ng	619184	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Operator : CG/JU
Sample : L1470-07
Misc :
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ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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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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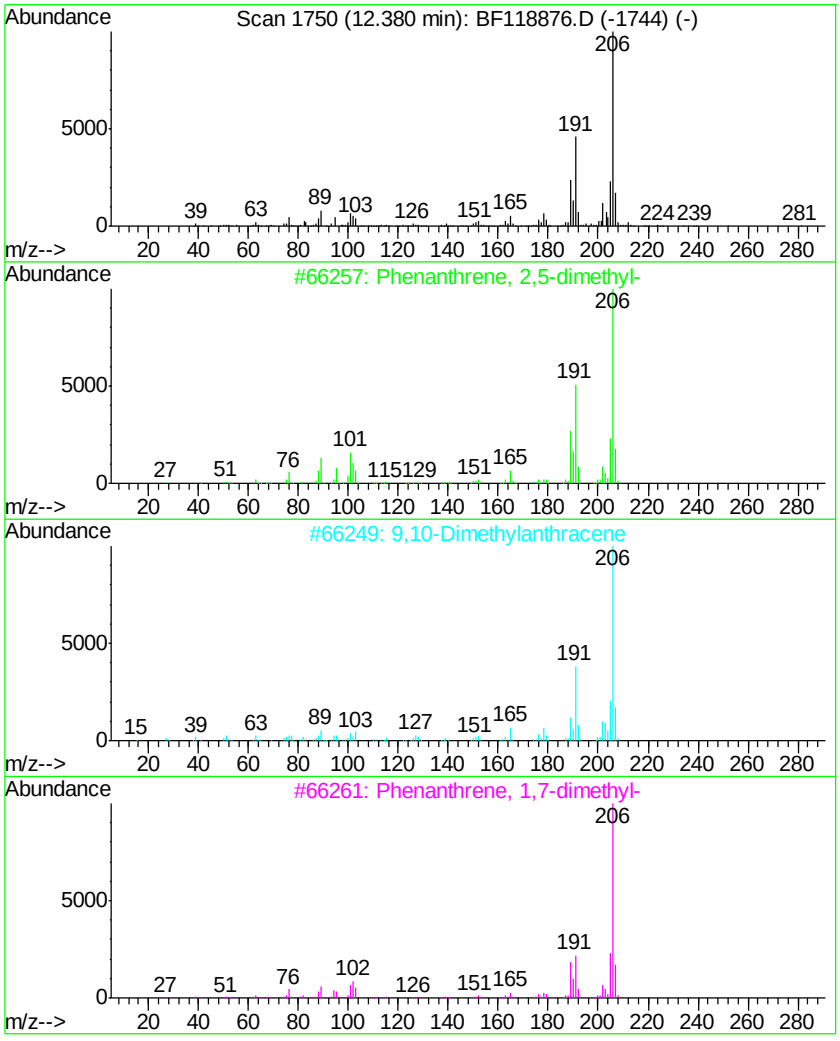
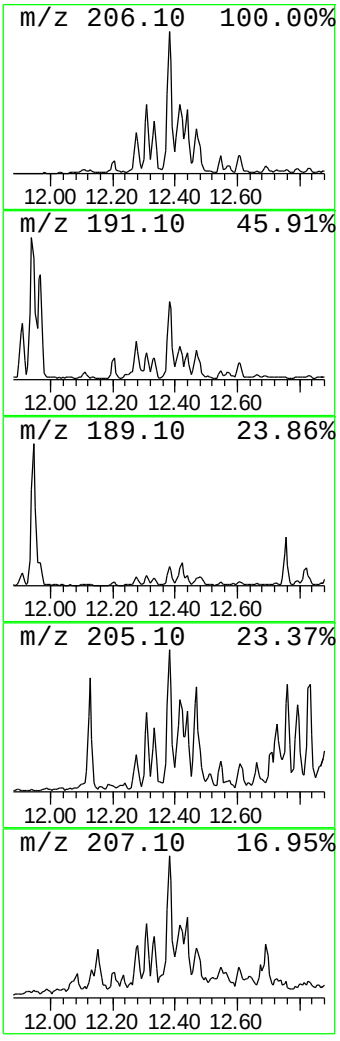
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	5.58 ng	780625	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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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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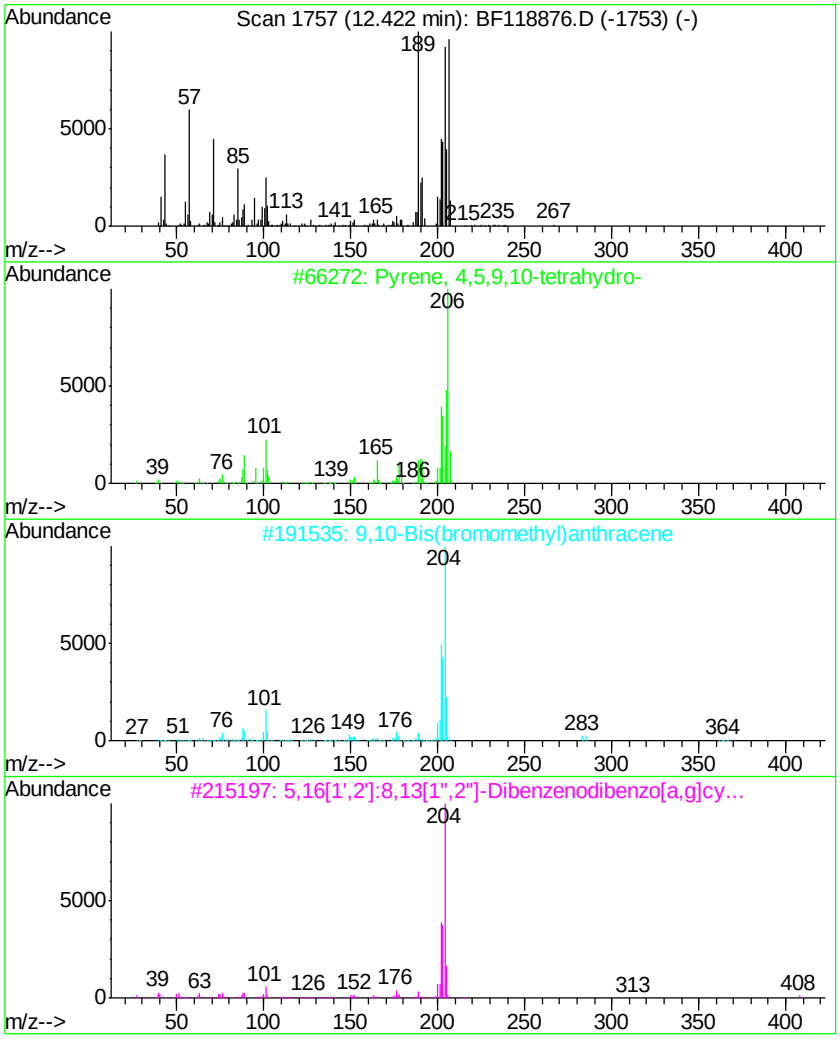
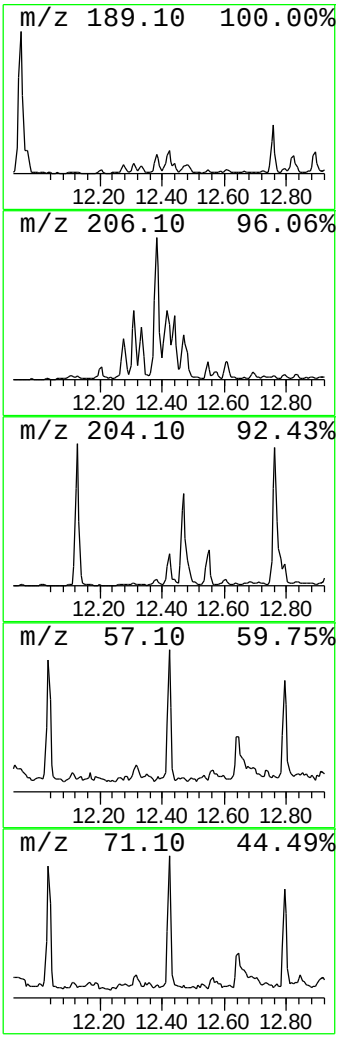
Peak Number 8 unknown12.42 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.33 ng	606255	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
4	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	20





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ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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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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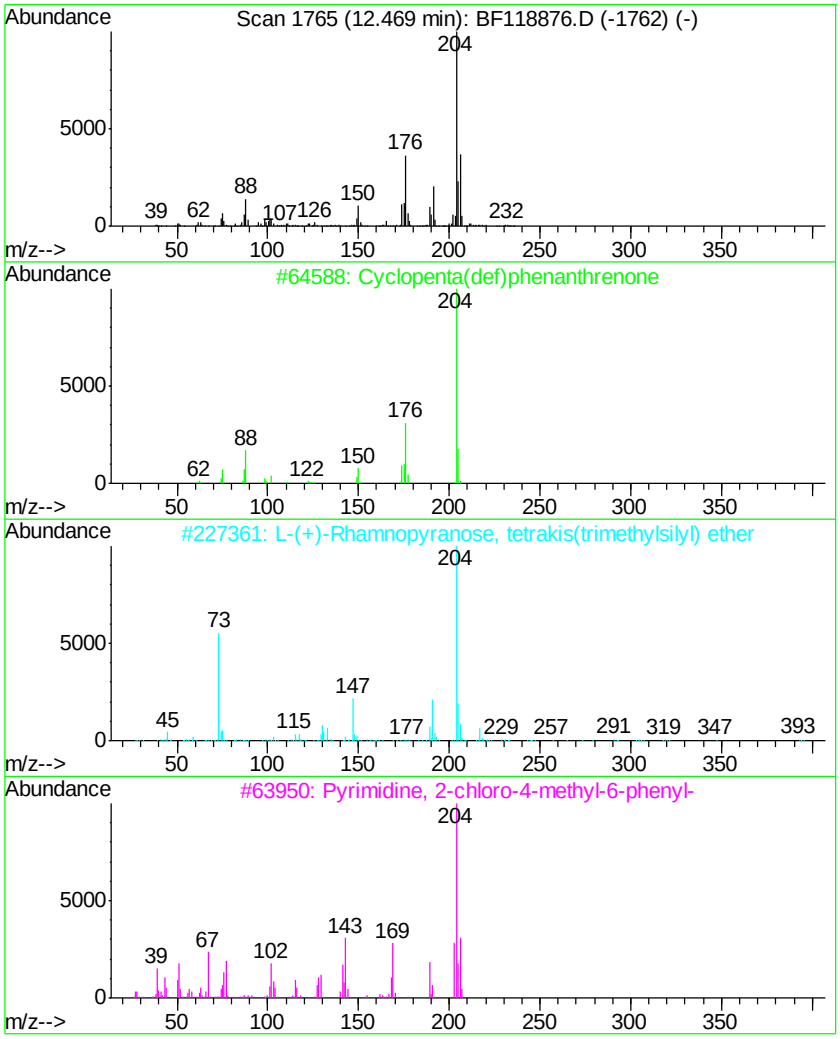
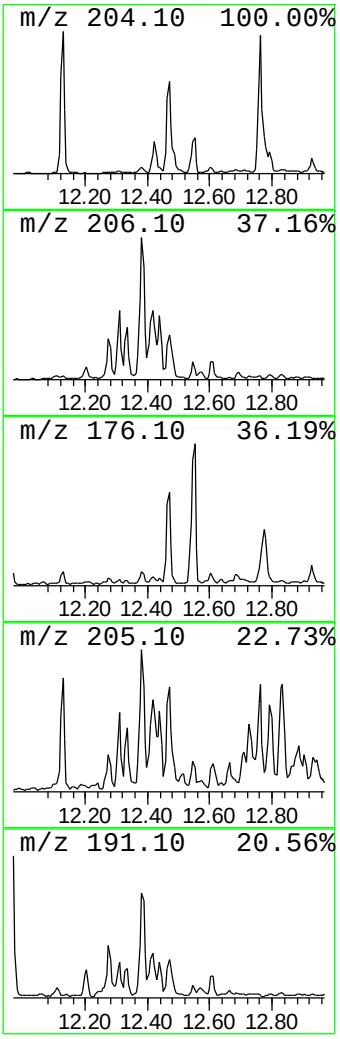
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.24 ng	593882	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	50
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
4	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





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ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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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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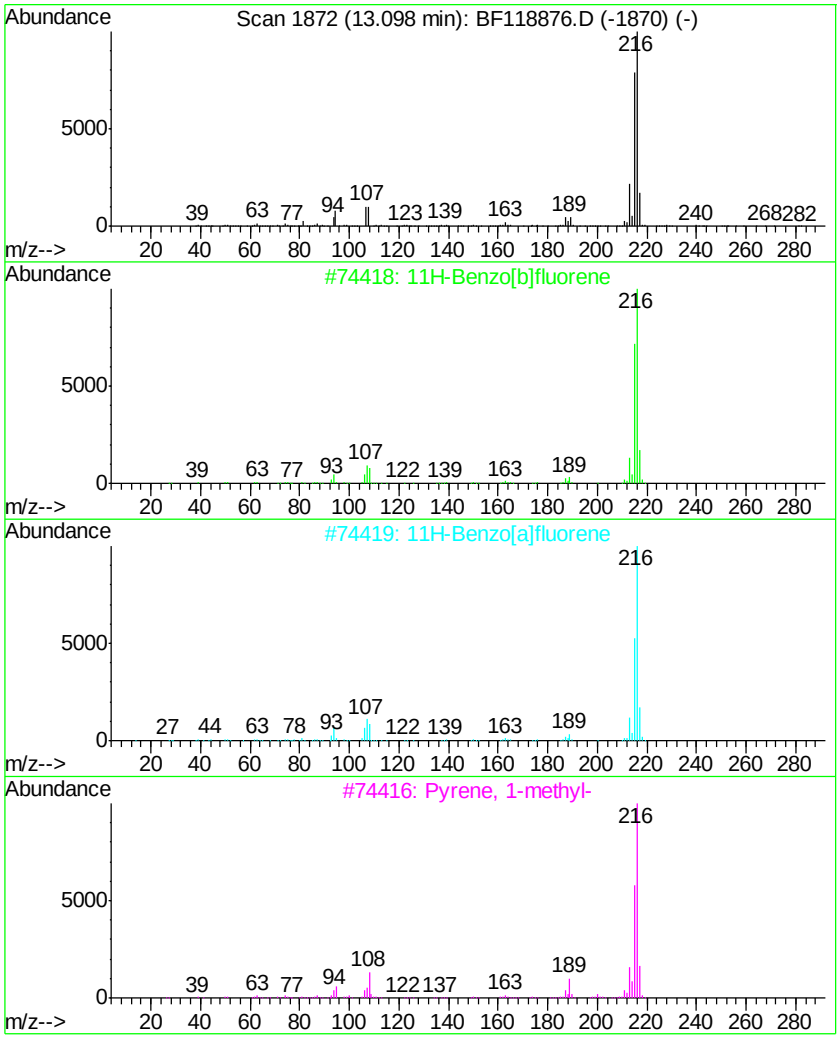
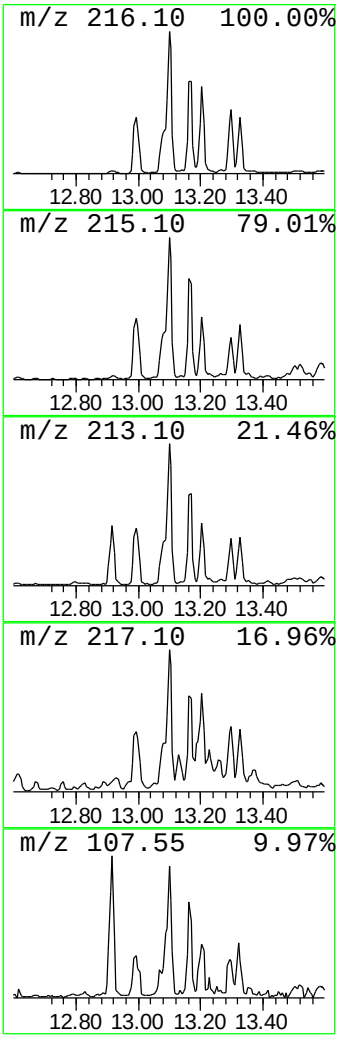
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.53 ng	1176880	Chrysene-d12	13.97

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	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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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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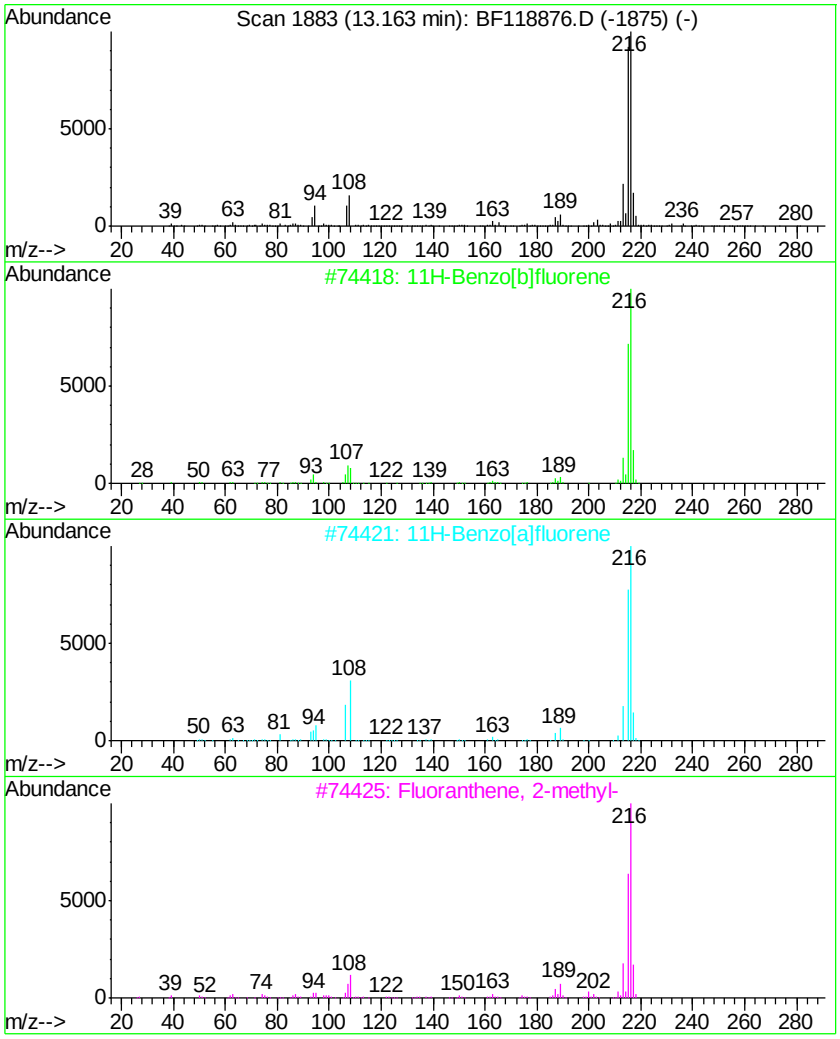
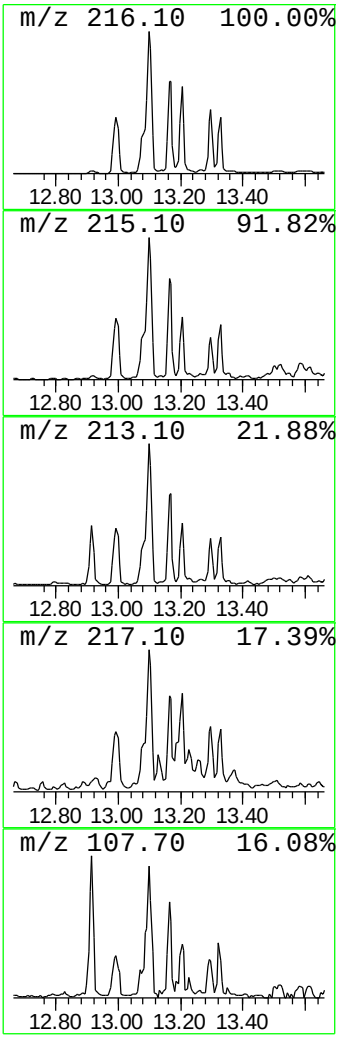
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.40 ng	1133010	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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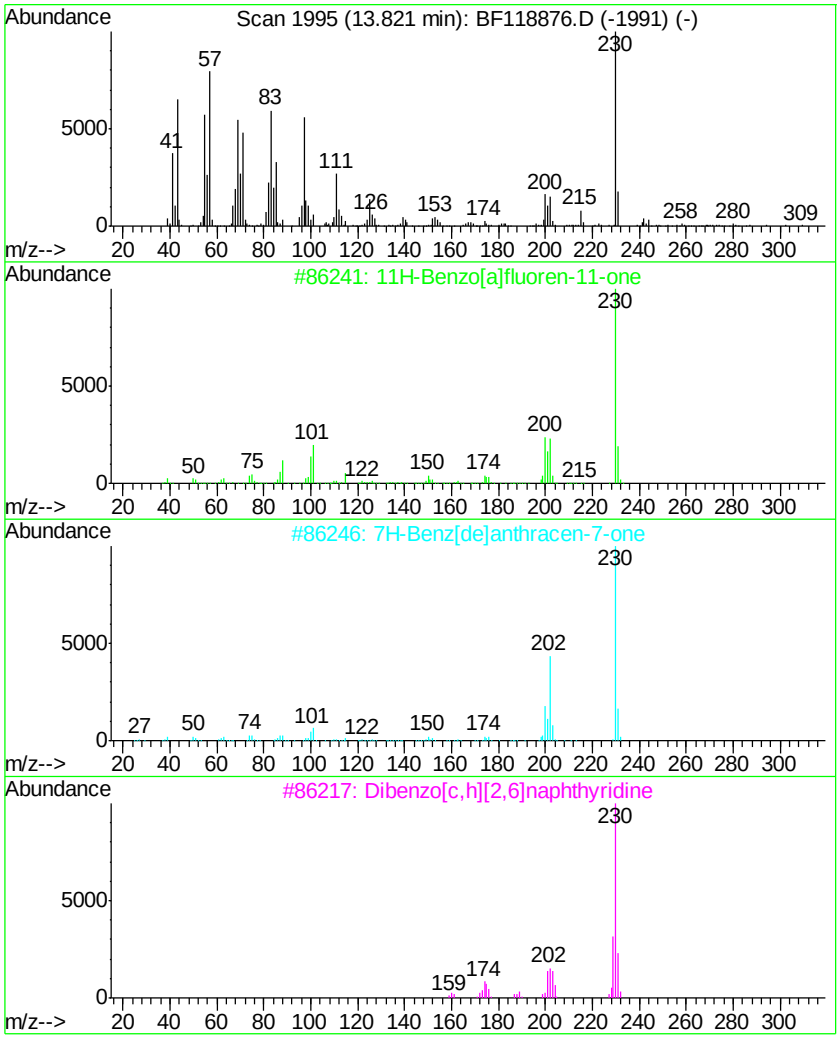
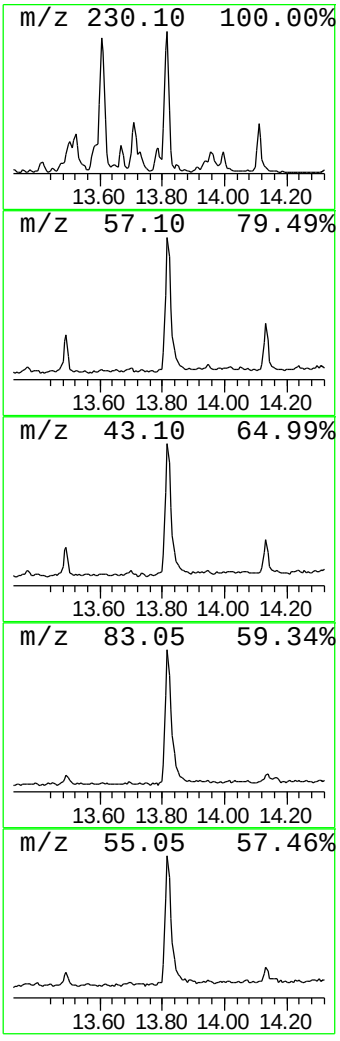
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.69 ng	1561660	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	92
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	53
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	47
5	m-Terphenyl	230	C18H14	000092-06-8	38





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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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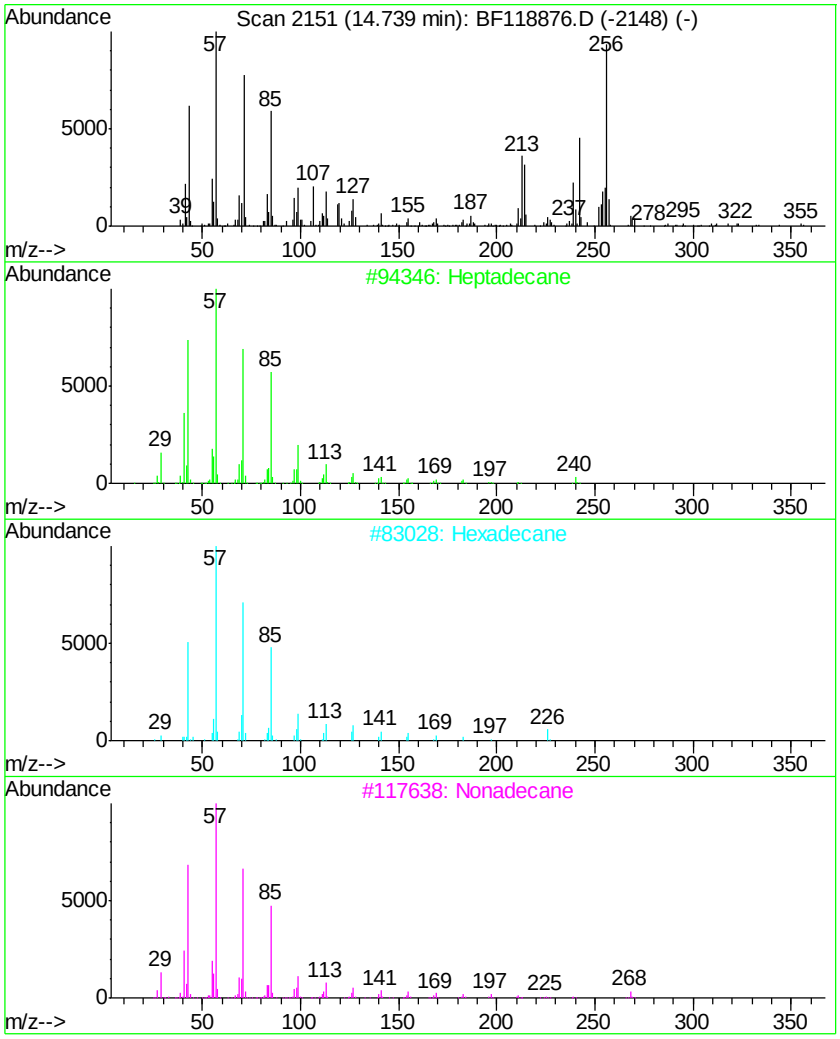
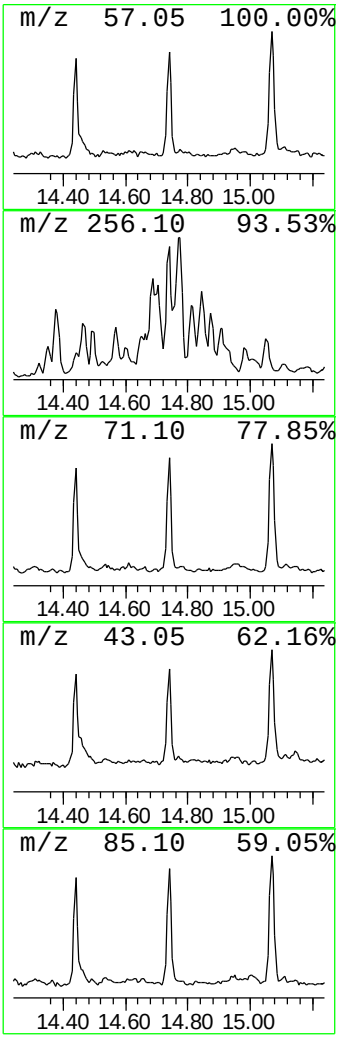
Peak Number 13 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	3.10 ng	357631	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	92
2	Hexadecane	226	C16H34	000544-76-3	92
3	Nonadecane	268	C19H40	000629-92-5	51
4	Tetracosane	338	C24H50	000646-31-1	38
5	Heneicosane	296	C21H44	000629-94-7	38





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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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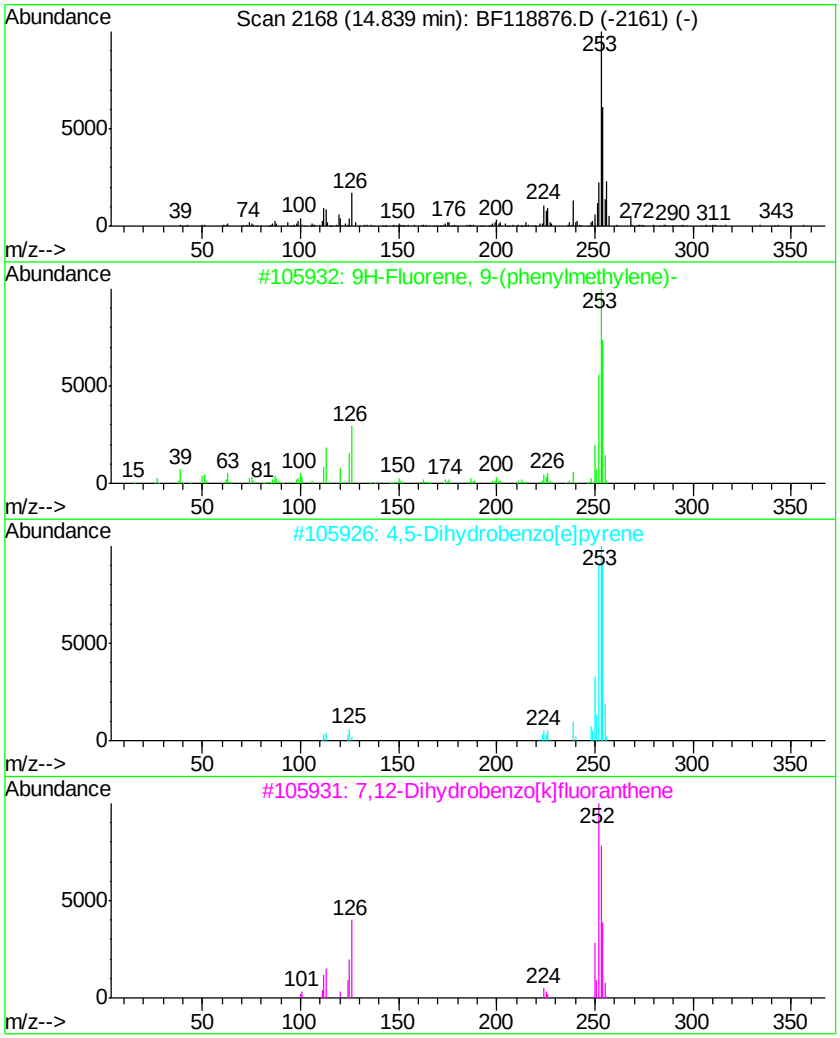
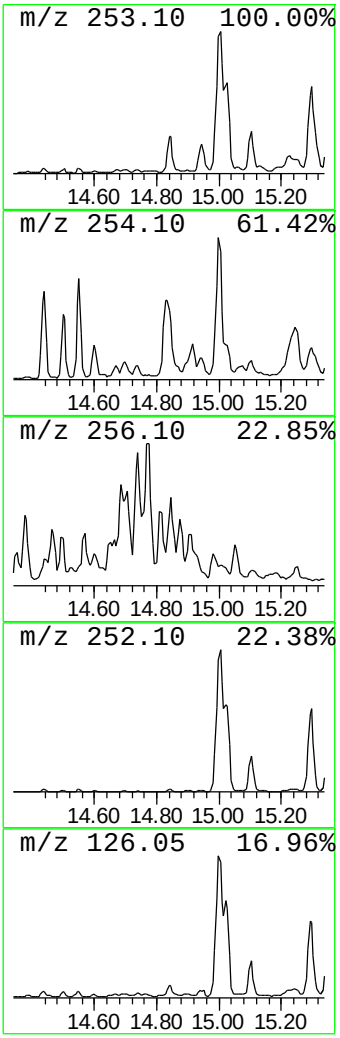
Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	5.05 ng	582797	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	70
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	62
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	62
5	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	50





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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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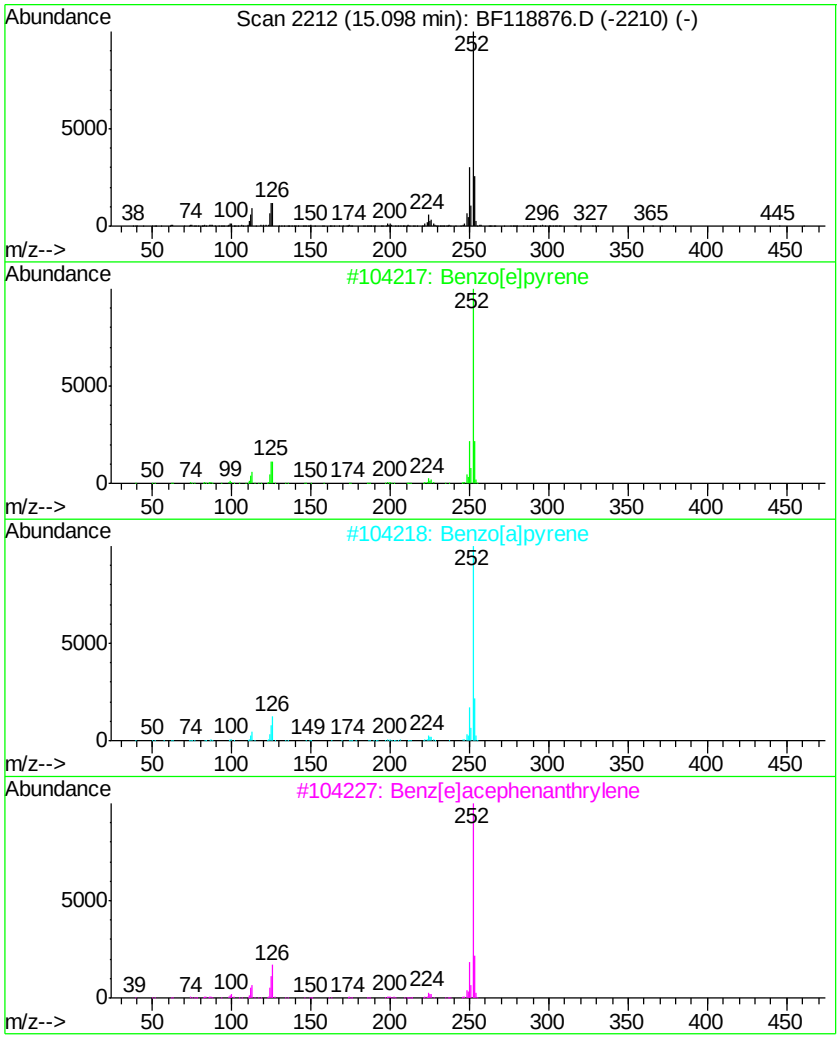
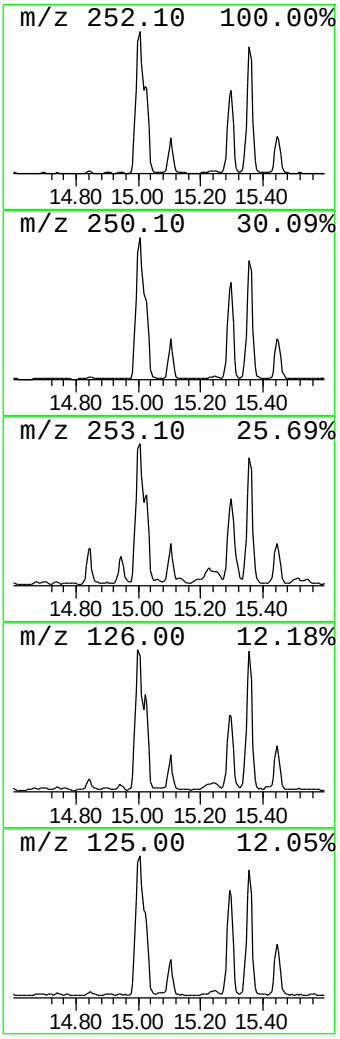
Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	6.37 ng	734733	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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ClientSampleId : PE-6-(SIDE-WALL)-NORTH

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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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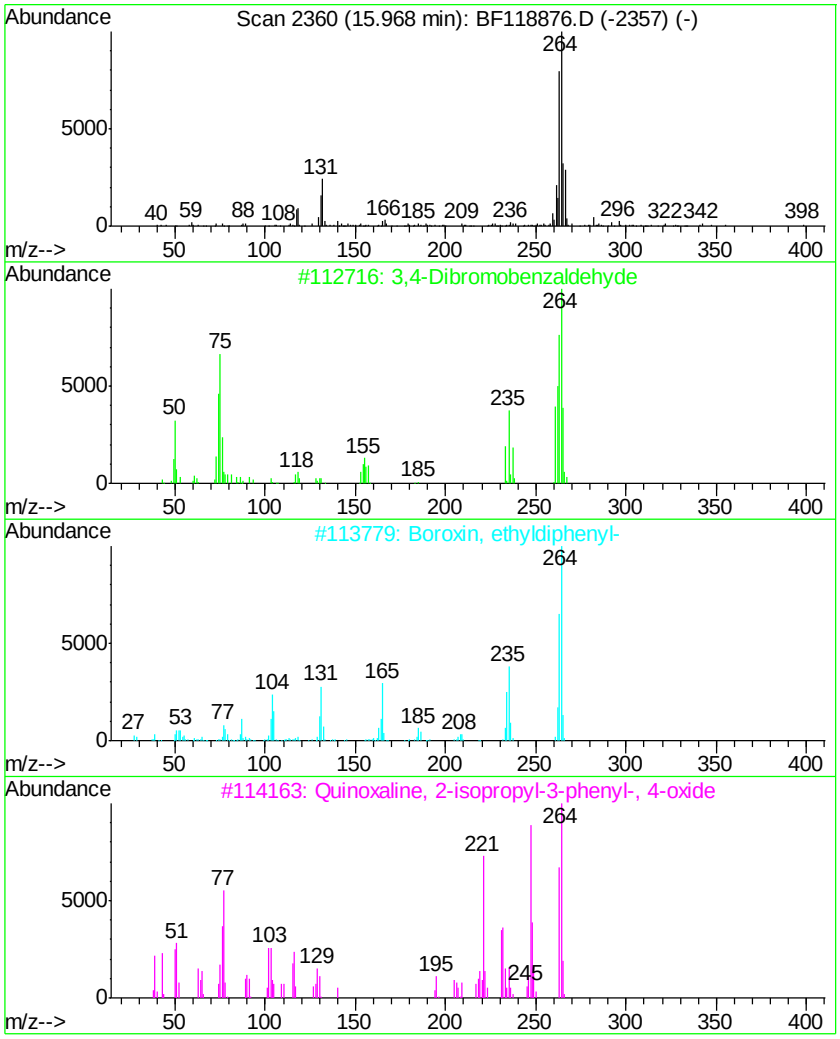
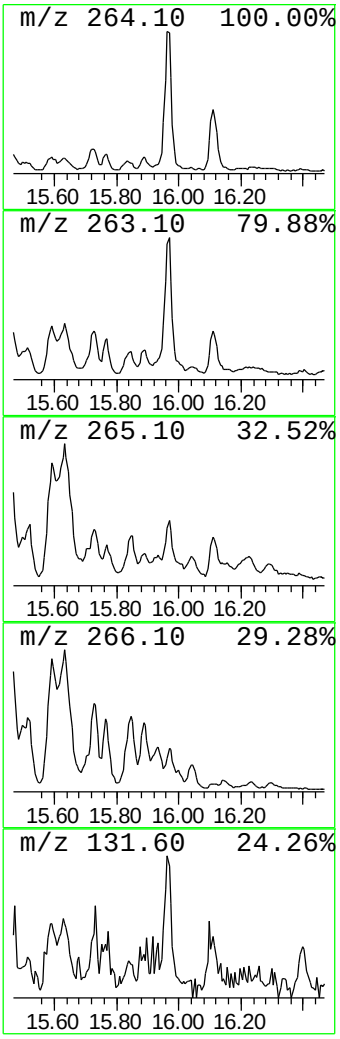
Peak Number 17 3,4-Dibromobenzaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	3.78 ng	436104	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
3	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	47
4	Boron, di-1,5-cyclooctanediyl-.m...	386	C25H36B2N2	125878-54-8	35
5	2,3,4,5,6-Pentachlorobenzyl 3-et...	518	C18H15Cl5O5S	1000332-55-0	27





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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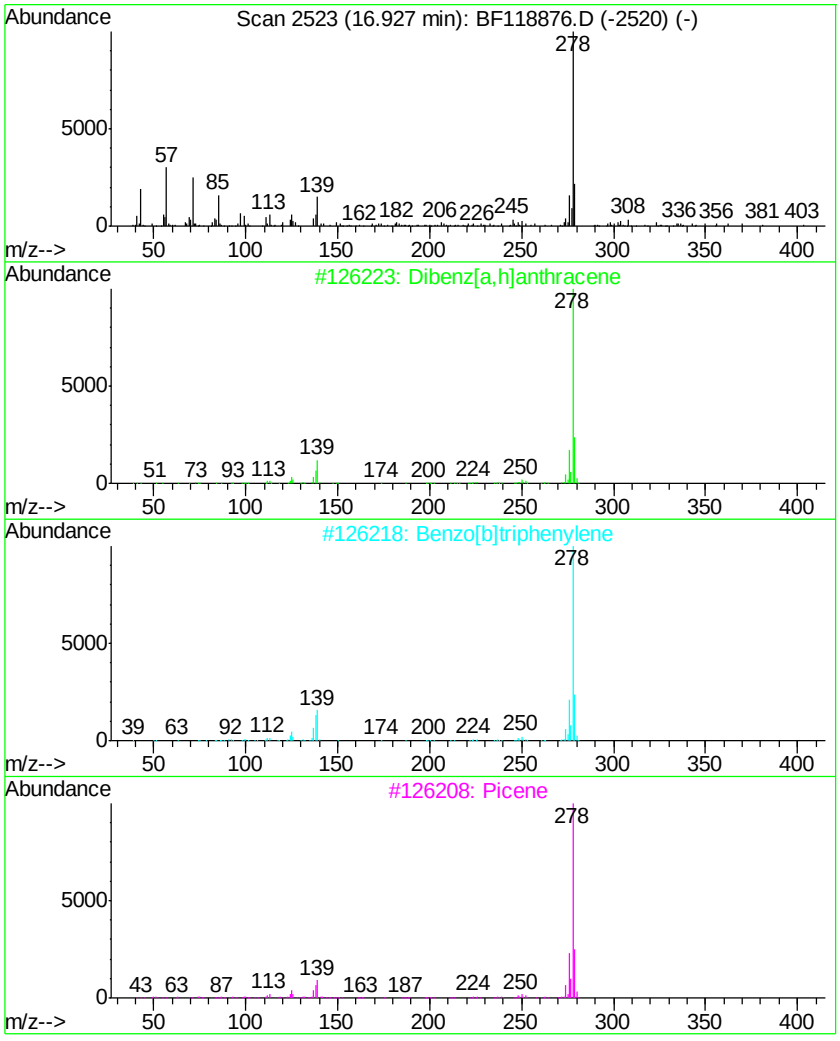
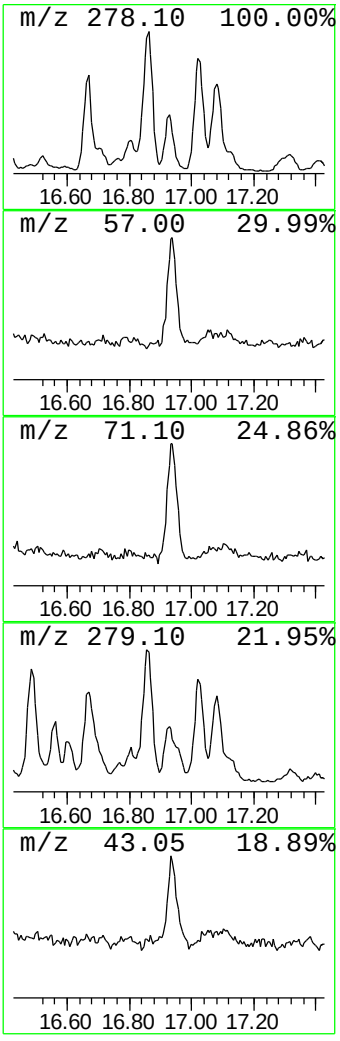
Peak Number 18 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	3.26 ng	376409	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3	Picene	278	C22H14	000213-46-7	86
4	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	72
5	Pentacene	278	C22H14	000135-48-8	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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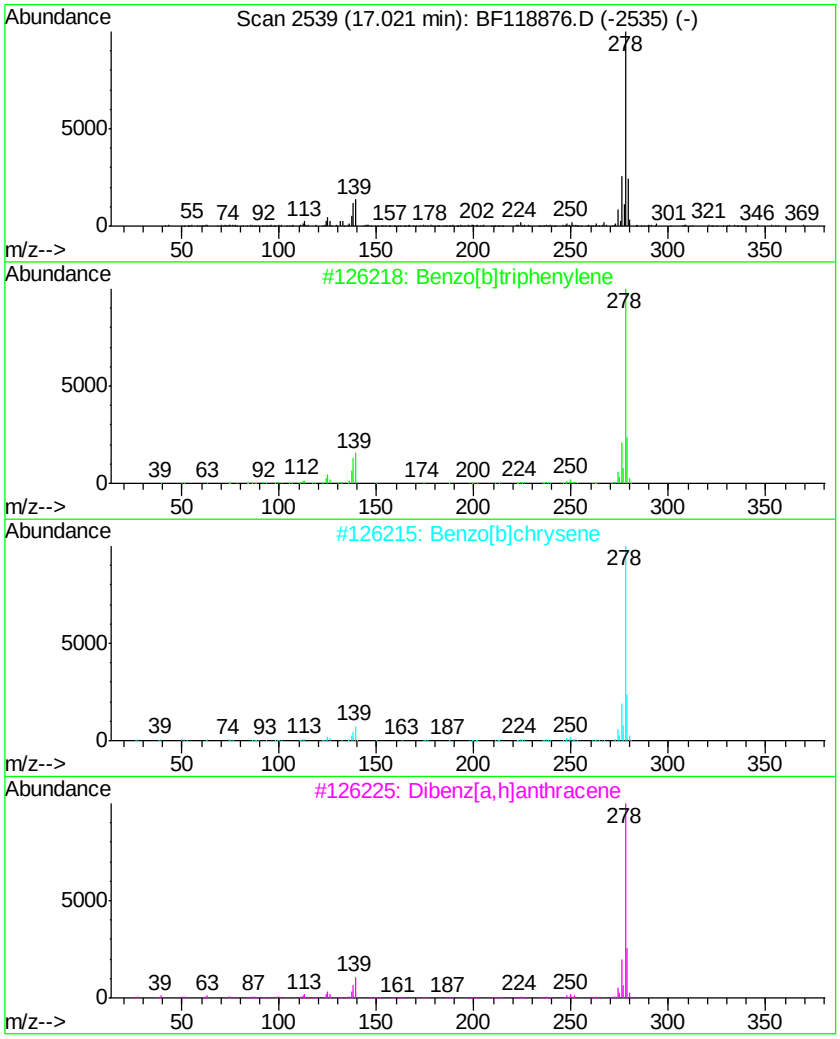
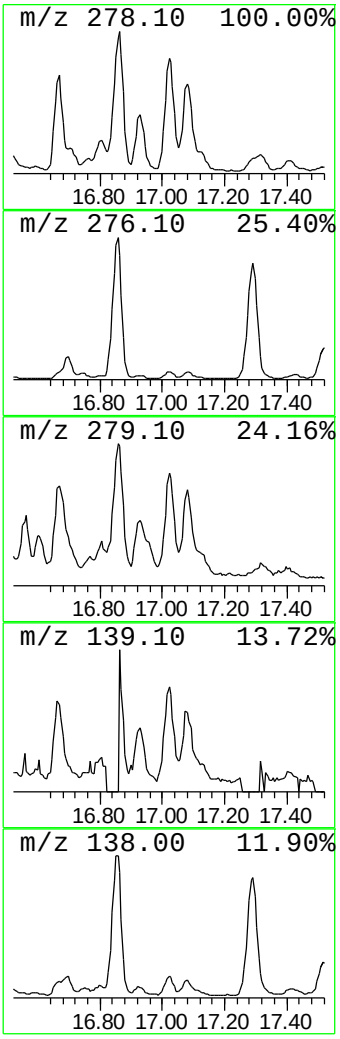
Peak Number 19 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.49 ng	402540	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Benzo[b]chrysene	278	C22H14	000214-17-5	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
4	Picene	278	C22H14	000213-46-7	94
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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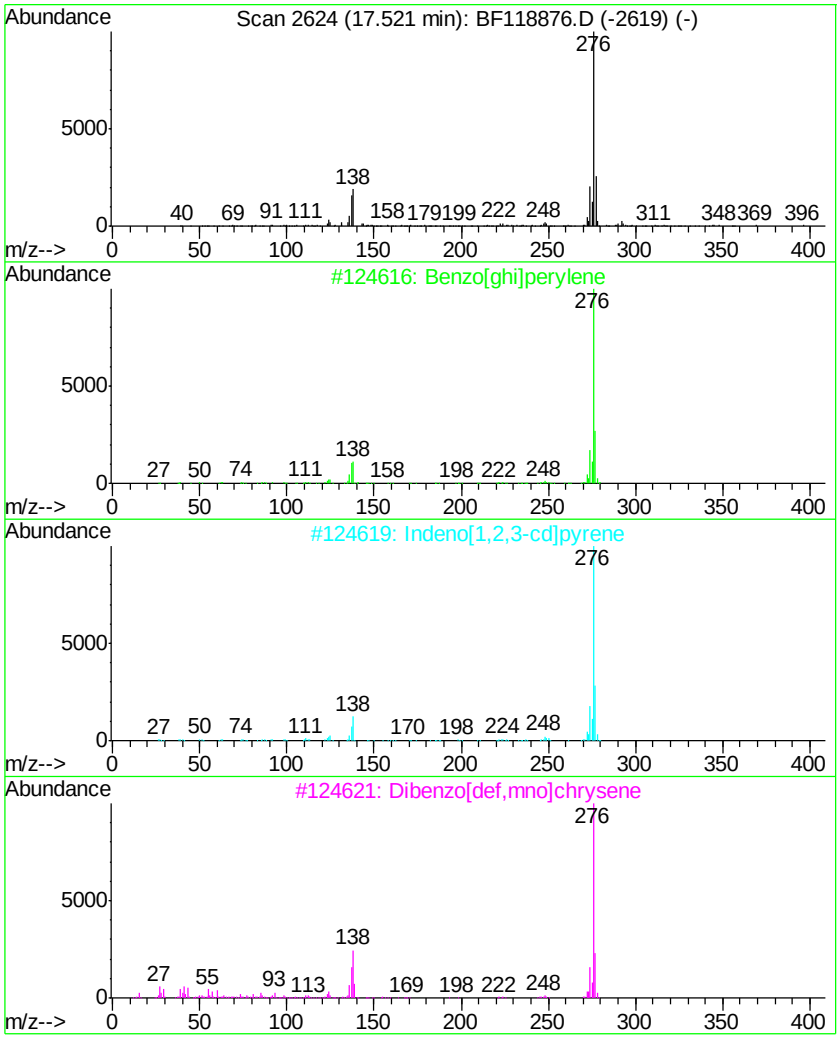
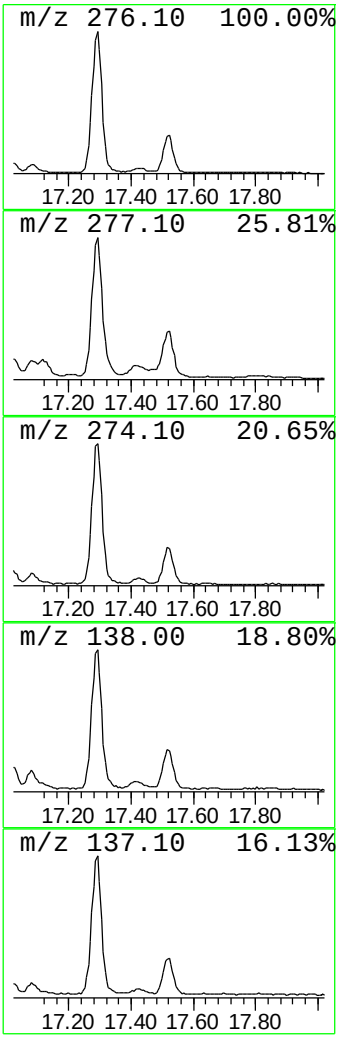
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	5.40 ng	622551	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	95
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	80
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021020\
Data File : BF118876.D
Acq On : 10 Feb 2020 18:44
Operator : CG/JU
Sample : L1470-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PE-6-(SIDE-WALL)-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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
Phenanthrene, 2-m...	11.83	5.7	ng	798395	4	11.33	2798880	20.0
Anthracene, 2-met...	11.86	11.1	ng	1555520	4	11.33	2798880	20.0
4H-Cyclopenta[def...	11.95	12.0	ng	1679320	4	11.33	2798880	20.0
Anthracene, 1-met...	11.96	3.7	ng	517066	4	11.33	2798880	20.0
Naphthalene, 2-ph...	12.13	4.4	ng	619184	4	11.33	2798880	20.0
Phenanthrene, 2,5...	12.38	5.6	ng	780625	4	11.33	2798880	20.0
unknown12.42	12.42	4.3	ng	606255	4	11.33	2798880	20.0
Cyclopenta(def)ph...	12.47	4.2	ng	593882	4	11.33	2798880	20.0
11H-Benzo[b]fluorene	13.10	3.5	ng	1176880	5	13.97	6665370	20.0
11H-Benzo[a]fluorene	13.16	3.4	ng	1133010	5	13.97	6665370	20.0
11H-Benzo[a]fluor...	13.82	4.7	ng	1561660	5	13.97	6665370	20.0
Heptadecane	14.74	3.1	ng	357631	6	15.42	2306900	20.0
9H-Fluorene, 9-(p...	14.84	5.0	ng	582797	6	15.42	2306900	20.0
Benzo[e]pyrene	15.10	6.4	ng	734733	6	15.42	2306900	20.0
3,4-Dibromobenzal...	15.97	3.8	ng	436104	6	15.42	2306900	20.0
Benzo[b]triphenylene	16.93	3.3	ng	376409	6	15.42	2306900	20.0
Picene	17.02	3.5	ng	402540	6	15.42	2306900	20.0
Dibenzo[def,mno]c...	17.52	5.4	ng	622551	6	15.42	2306900	20.0