LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BG-1-(0.5-1)

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122351.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	13	rVB	752990	923650	8.70%	0.458%
2	5.475	570	576	579	rBV	4768606	4651049	43.82%	2.309%
3	6.481	742	747	750	rBV	4635688	4922086	46.37%	2.443%
4	6.863	808	812	816	rBV	2233948	1741594	16.41%	0.864%
5	7.422	901	907	910	rBV	3334913	3169419	29.86%	1.573%
6	8.151	1026	1031	1033	rBV	2557084	2344005	22.08%	1.163%
7	9.228	1209	1214	1217	rBV	6346349	5505734	51.87%	2.733%
8	9.345	1231	1234	1238	rVB	623524	558931	5.27%	0.277%
9	9.563	1267	1271	1273	rBV	814419	710043	6.69%	0.352%
10	9.616	1277	1280	1287	rVB2	1536811	1571015	14.80%	0.780%
11	9.763	1302	1305	1310	rBV	2364996	1982010	18.67%	0.984%
12	9.904	1323	1329	1332	rBV	3291730	2880349	27.14%	1.430%
13	10.104	1360	1363	1367	rVV	537566	542038	5.11%	0.269%
14	10.222	1378	1383	1385	rBV2	533631	731467	6.89%	0.363%
15	10.310	1393	1398	1400	rBV2	365964	521670	4.91%	0.259%
16	10.451	1419	1422	1428	rVB3	676010	925589	8.72%	0.459%
17	10.692	1458	1463	1467	rBV	4339089	4062792	38.28%	2.017%
18	10.816	1480	1484	1490	rVB	824885	794326	7.48%	0.394%
19	10.998	1511	1515	1518	rVV3	632679	896315	8.44%	0.445%
20	11.028	1518	1520	1523	rVV	605453	520550	4.90%	0.258%
21	11.192	1545	1548	1552	rVB2	649393	662805	6.24%	0.329%
22	11.286	1562	1564	1569	rVB	793333	698839	6.58%	0.347%
23	11.392	1578	1582	1584	rBV	2845029	2823506	26.60%	1.402%
24	11.422	1584	1587	1590	rVB	7277580	6581150	62.00%	3.267%
25	11.463	1590	1594	1597	rVB	1069747	1003979	9.46%	0.498%
26	11.498	1597	1600	1603	rBV2	620442	702638	6.62%	0.349%
27	11.616	1614	1620	1623	rBV2	422044	622995	5.87%	0.309%
28	11.722	1634	1638	1643	rVB	1299360	1162325	10.95%	0.577%
29	11.804	1650	1652	1656	rVB	649168	640117	6.03%	0.318%
30	11.898	1664	1668	1670	rBV	3369044	3343121	31.50%	1.659%
31	11.922	1670	1672	1677	rVB	4951040	4586467	43.21%	2.277%
32	11.969	1677	1680	1682	rBV	643014	537525	5.06%	0.267%
33	12.004	1682	1686	1689	rBV2	4124192	4487849	42.28%	2.228%
34	12.027	1689	1690	1695	rVB	3045361	2196988	20.70%	1.091%
35	12.127	1704	1707	1709	rVB2	637914	560346	5.28%	0.278%
36	12.192	1711	1718	1719	rBV2	1542469	1697485	15.99%	0.843%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BG-1-(0.5-1)

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.216	1719	1722	1728	rVB2	1933284	2160780	20.36%	1.073%
38	12.322	1737	1740	1741	rBV	572997	527325	4.97%	0.262%
39	12.339	1741	1743	1746	rVV2	1085849	1023191	9.64%	0.508%
40	12.369	1746	1748	1751	rVV2	1509367	1562445	14.72%	0.776%
41	12.392	1751	1752	1755	rVB	1223358	786365	7.41%	0.390%
42	12.451	1755	1762	1764	rBV	3408159	4143159	39.03%	2.057%
43	12.480	1764	1767	1769	rVV2	1828241	2162433	20.37%	1.073%
44	12.504	1769	1771	1773	rVB	1245184	932811	8.79%	0.463%
45	12.533	1773	1776	1780	rBV2	1660859	2179972	20.54%	1.082%
46	12.616	1784	1790	1793	rBV	7768125	8211031	77.36%	4.076%
47	12.651	1793	1796	1798	rBV	722572	754937	7.11%	0.375%
48	12.704	1802	1805	1808	rBV	1514586	1317022	12.41%	0.654%
49	12.739	1808	1811	1813	rBV2	828645	759362	7.15%	0.377%
50	12.845	1822	1829	1834	rBV	8301217	10614278	100.00%	5.269%
51	12.892	1834	1837	1840	rVB2	1408525	1555658	14.66%	0.772%
52	12.951	1844	1847	1849	rVV	753721	744824	7.02%	0.370%
53	12.980	1849	1852	1859	rVB	5564530	6020512	56.72%	2.988%
54	13.051	1860	1864	1868	rBV2	1801434	2553480	24.06%	1.267%
55	13.139	1876	1879	1881	rBV2	1320335	1712599	16.13%	0.850%
56	13.163	1881	1883	1886	rVB	2596947	2267077	21.36%	1.125%
57	13.233	1886	1895	1897	rBV3	1477957	2406406	22.67%	1.194%
58	13.269	1897	1901	1904	rVB2	2330242	2064526	19.45%	1.025%
59	13.333	1909	1912	1914	rBV3	458183	542128	5.11%	0.269%
60	13.363	1914	1917	1919	rVB	1904550	1530953	14.42%	0.760%
61	13.392	1919	1922	1925	rVB	1910715	1599461	15.07%	0.794%
62	13.569	1948	1952	1953	rBV3	473720	553246	5.21%	0.275%
63	13.669	1966	1969	1974	rVB	1480408	1917622	18.07%	0.952%
64	13.780	1983	1988	1991	rBV2	1369664	2201899	20.74%	1.093%
65	13.810	1991	1993	1995	rVV	1009225	797788	7.52%	0.396%
66	13.833	1995	1997	2001	rVV2	762638	917085	8.64%	0.455%
67	13.880	2001	2005	2009	rVB3	1826061	2104672	19.83%	1.045%
68	14.027	2024	2030	2034	rBV3	5207524	8209524	77.34%	4.075%
69	14.063	2034	2036	2043	rVB	5165808	4667919	43.98%	2.317%
70	14.121	2043	2046	2048	rBV2	664428	560331	5.28%	0.278%
71	14.174	2052	2055	2057	rBV	804992	715732	6.74%	0.355%
72	14.257	2065	2069	2072	rBV3	309800	522024	4.92%	0.259%
73	14.286	2072	2074	2077	rVB	545617	497507	4.69%	0.247%
74	14.380	2088	2090	2092	rBV	511868	503137	4.74%	0.250%
75	14.421	2092	2097	2100	rVV	2205931	2684752	25.29%	1.333%
76	14.457	2100	2103	2106	rVV2	1538955	1614388	15.21%	0.801%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BG-1-(0.5-1)

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.492	2106	2109	2110	rVV2	623306	715468	6.74%	0.355%
78	14.516	2110	2113	2115	rVV3	1497833	1740082	16.39%	0.864%
79	14.545	2115	2118	2120	rVV	1616128	1659714	15.64%	0.824%
80	14.568	2120	2122	2126	rVV	870389	834817	7.87%	0.414%
81	14.616	2128	2130	2134	rVB	570672	512095	4.82%	0.254%
82	14.757	2151	2154	2160	rVB3	487391	796633	7.51%	0.395%
83	14.810	2160	2163	2165	rBV2	529951	559897	5.27%	0.278%
84	14.845	2167	2169	2173	rVB2	632442	643102	6.06%	0.319%
85	15.086	2203	2210	2212	rBV2	3446584	5672578	53.44%	2.816%
86	15.163	2219	2223	2225	rBV	2148251	2332744	21.98%	1.158%
87	15.186	2225	2227	2234	rVB	1278868	1319764	12.43%	0.655%
88	15.386	2256	2261	2266	rVB	2171475	2852201	26.87%	1.416%
89	15.451	2267	2272	2277	rVB	3319732	4183445	39.41%	2.077%
90	15.510	2277	2282	2285	rBV	1793070	2302021	21.69%	1.143%
91	15.539	2285	2287	2294	rVB2	943272	1405666	13.24%	0.698%
92	15.868	2340	2343	2350	rVB	474739	686562	6.47%	0.341%
93	15.986	2359	2363	2368	rVV	1687040	2580477	24.31%	1.281%
94	16.039	2369	2372	2375	rVV3	394436	648863	6.11%	0.322%
95	16.068	2375	2377	2382	rVB2	383659	519787	4.90%	0.258%
96	16.792	2495	2500	2512	rVB2	437405	1217831	11.47%	0.604%
97	16.980	2525	2532	2539	rVB2	1413692	2773590	26.13%	1.377%
98	17.421	2600	2607	2617	rVB	1116219	2417268	22.77%	1.200%
99	17.586	2629	2635	2642	rVB4	383946	824524	7.77%	0.409%
100	18.398	2768	2773	2793	rVB10	378362	1400045	13.19%	0.695%

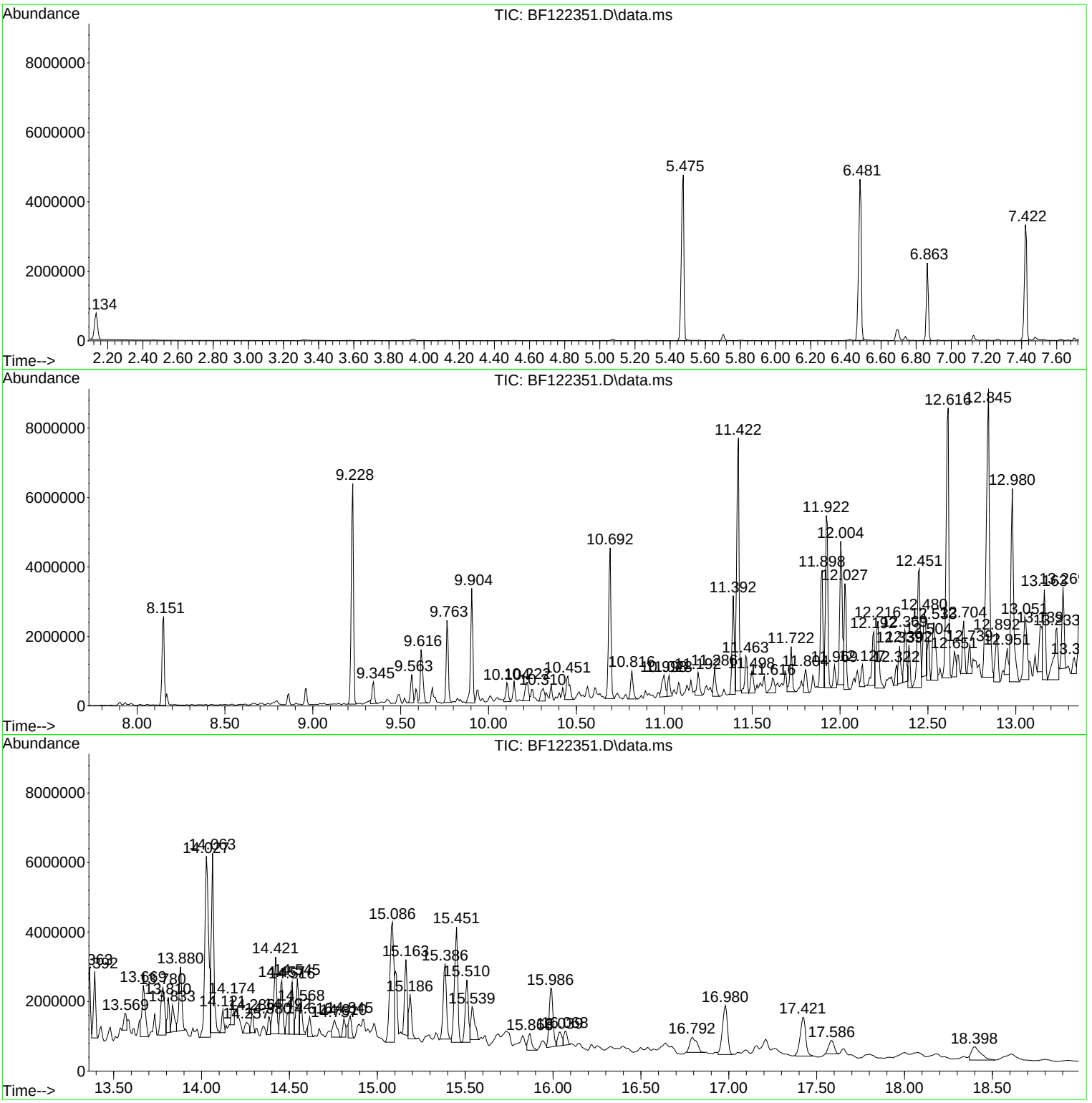
Sum of corrected areas: 201462302

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

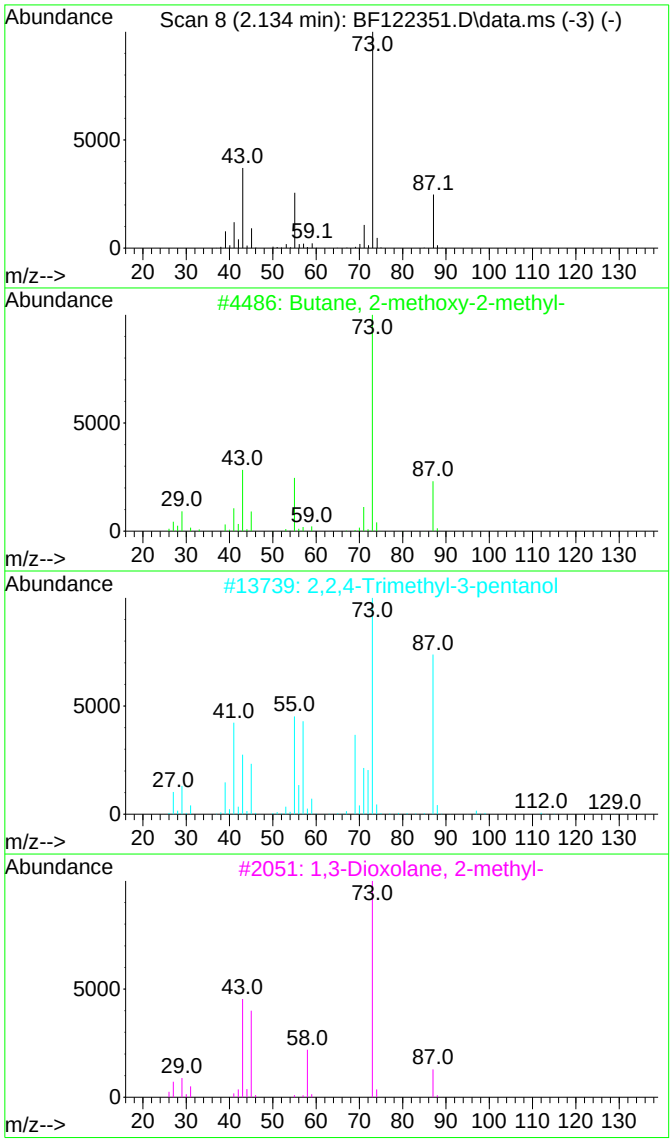
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

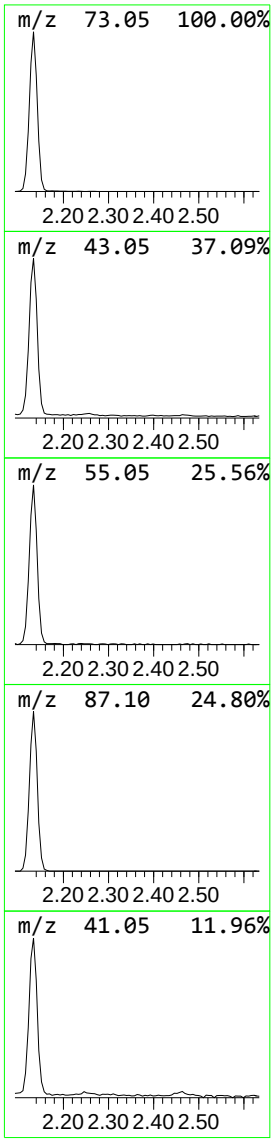
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	10.61 ng	923650	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

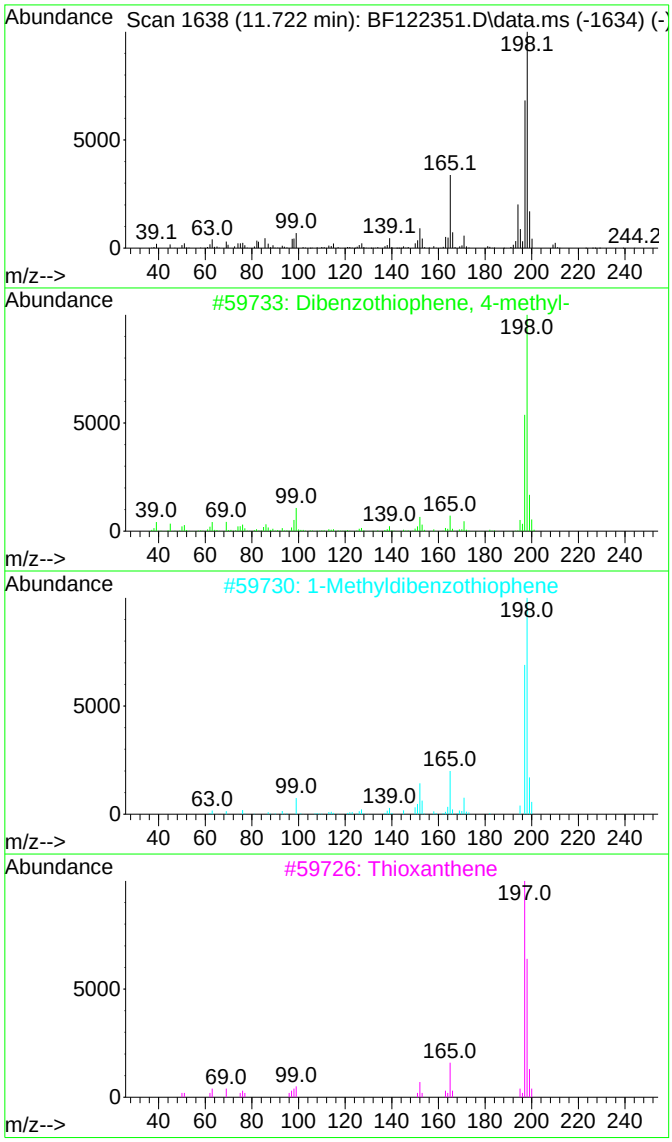
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

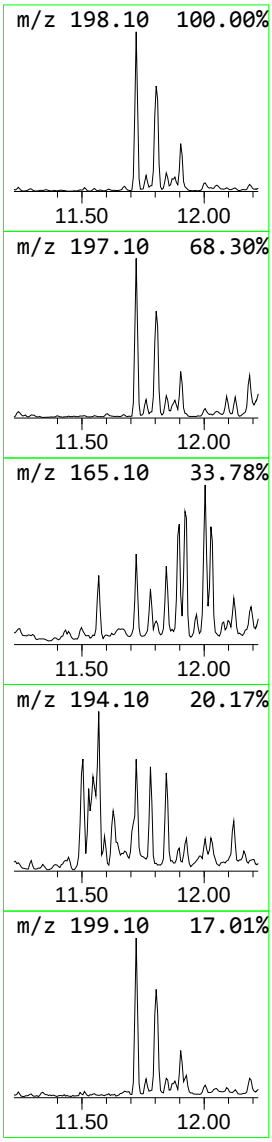
****

Peak Number 2 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.722	8.23 ng	1162330	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	68
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64
3	Thioxanthene	198	C13H10S	000261-31-4	64
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	62
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

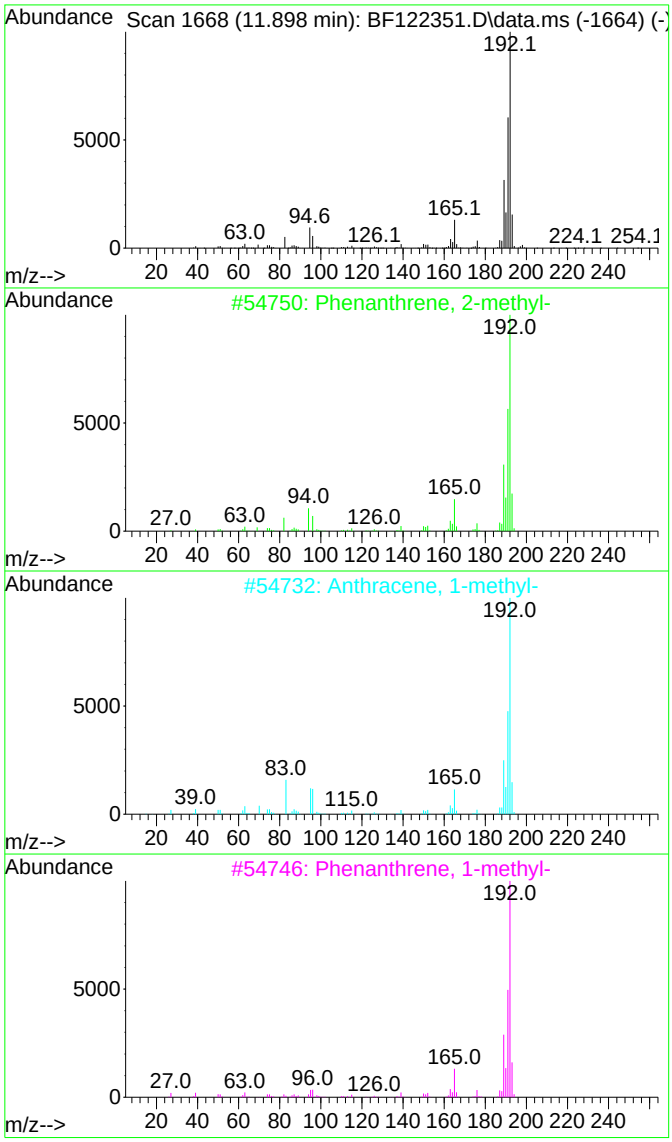
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

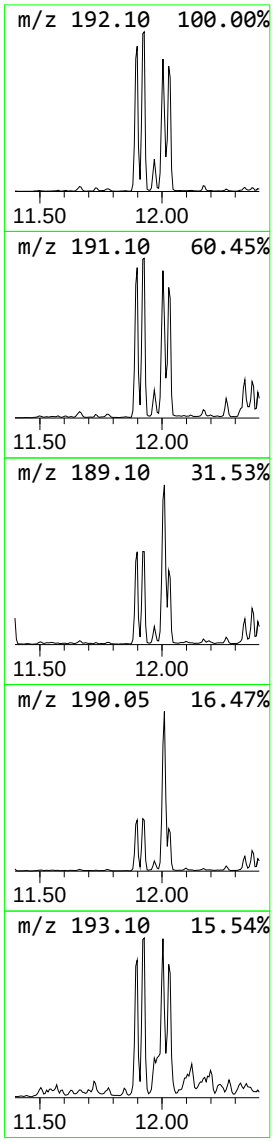
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	23.68 ng	3343120	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

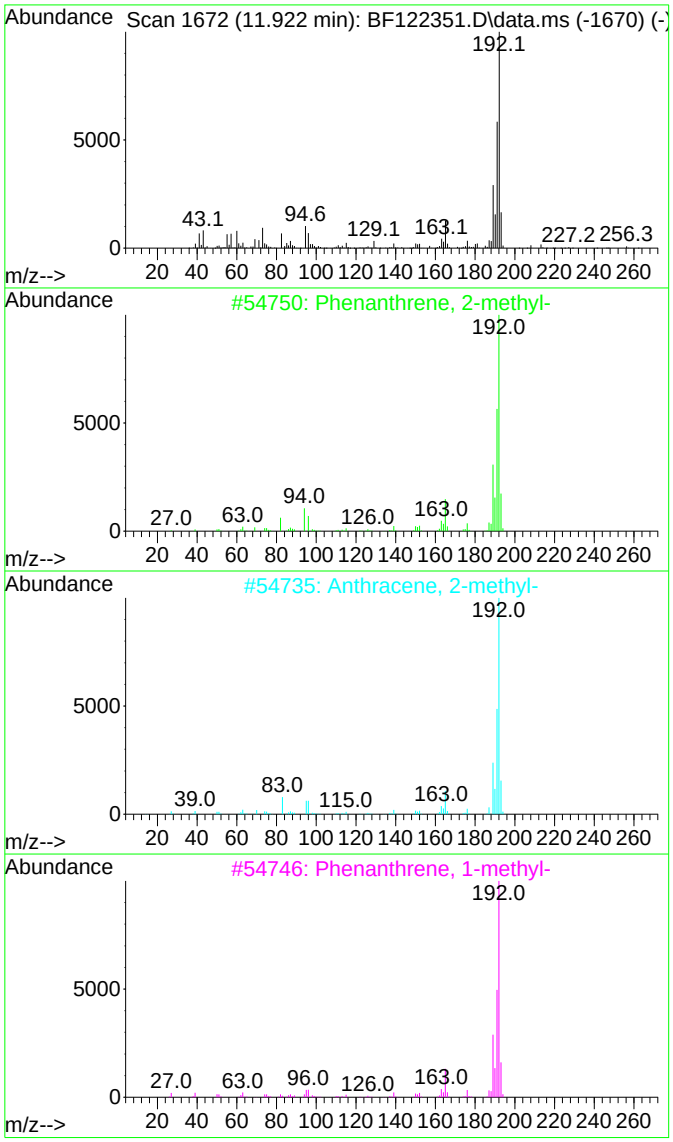
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

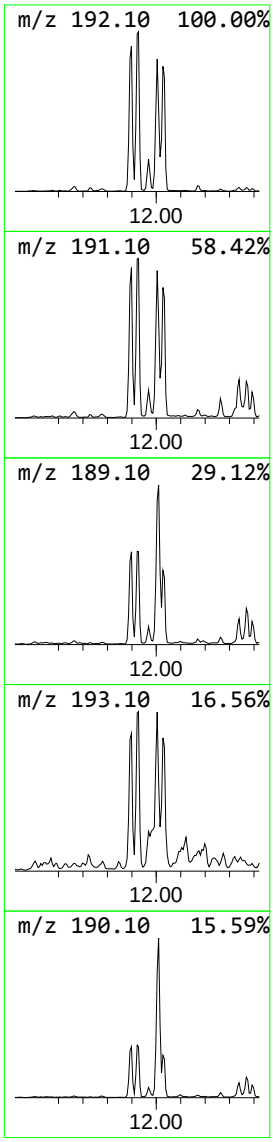
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	32.49 ng	4586470	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

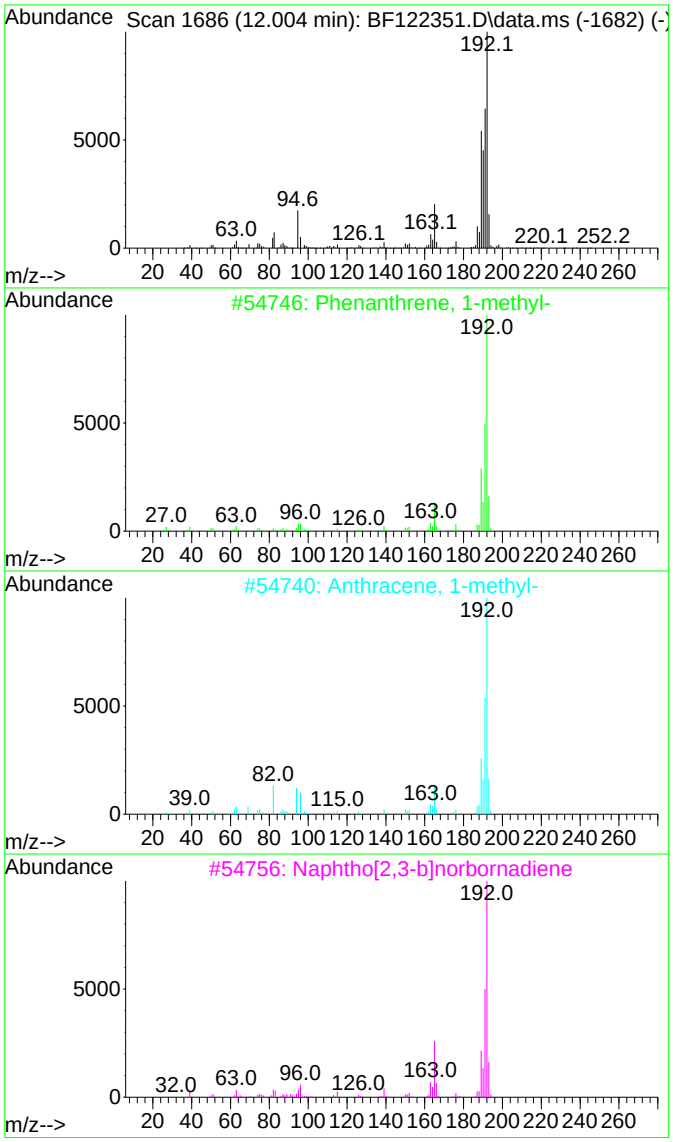
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

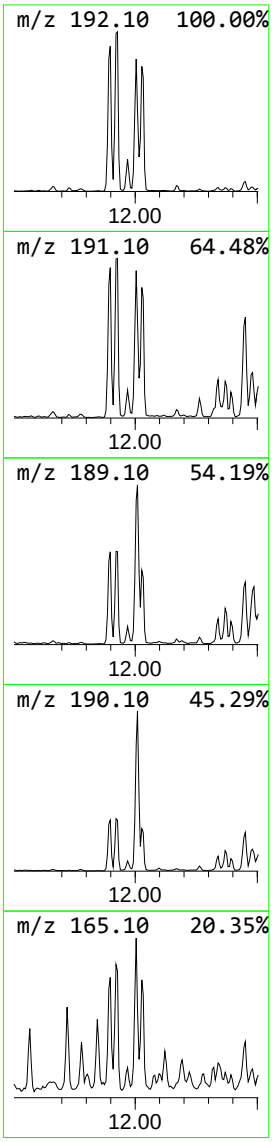
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	31.79 ng	4487850	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	60





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Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BG-1-(0.5-1)

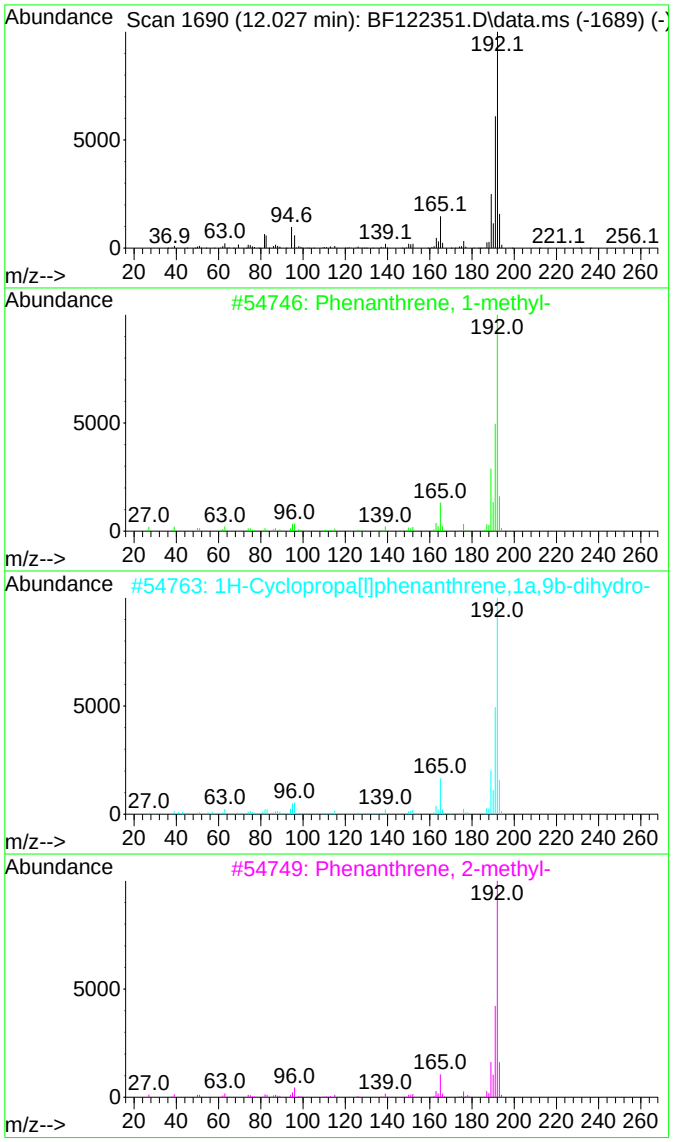
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

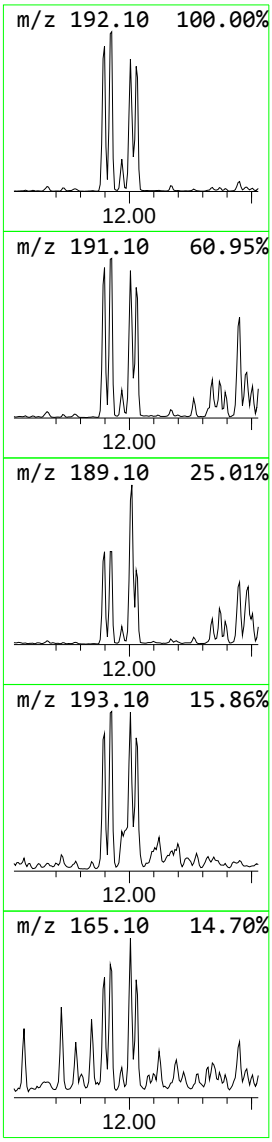
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.028	15.56 ng	2196990	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

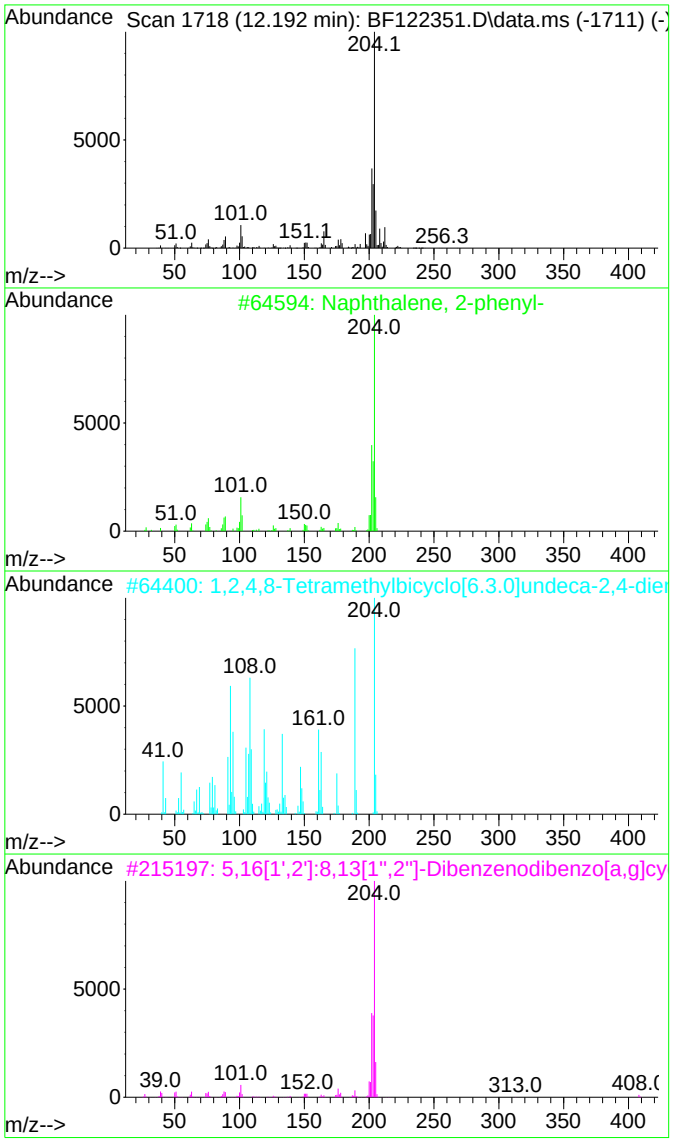
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

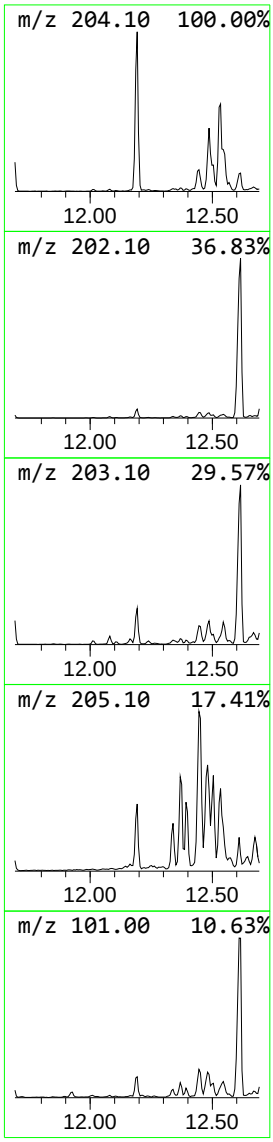
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	12.02 ng	1697490	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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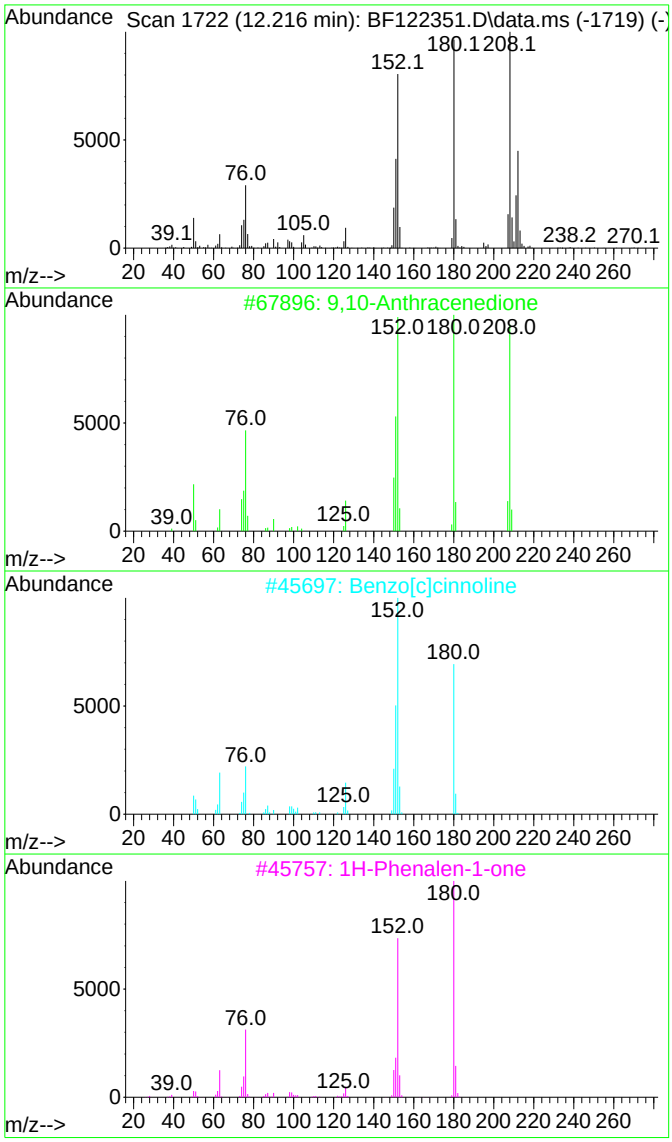
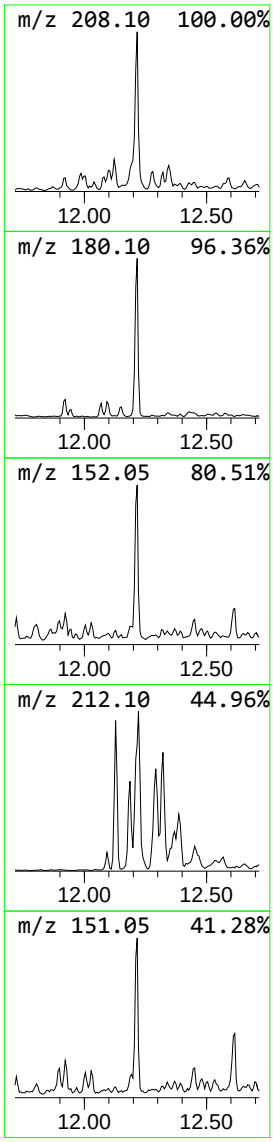
Peak Number 8 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	15.31 ng	2160780	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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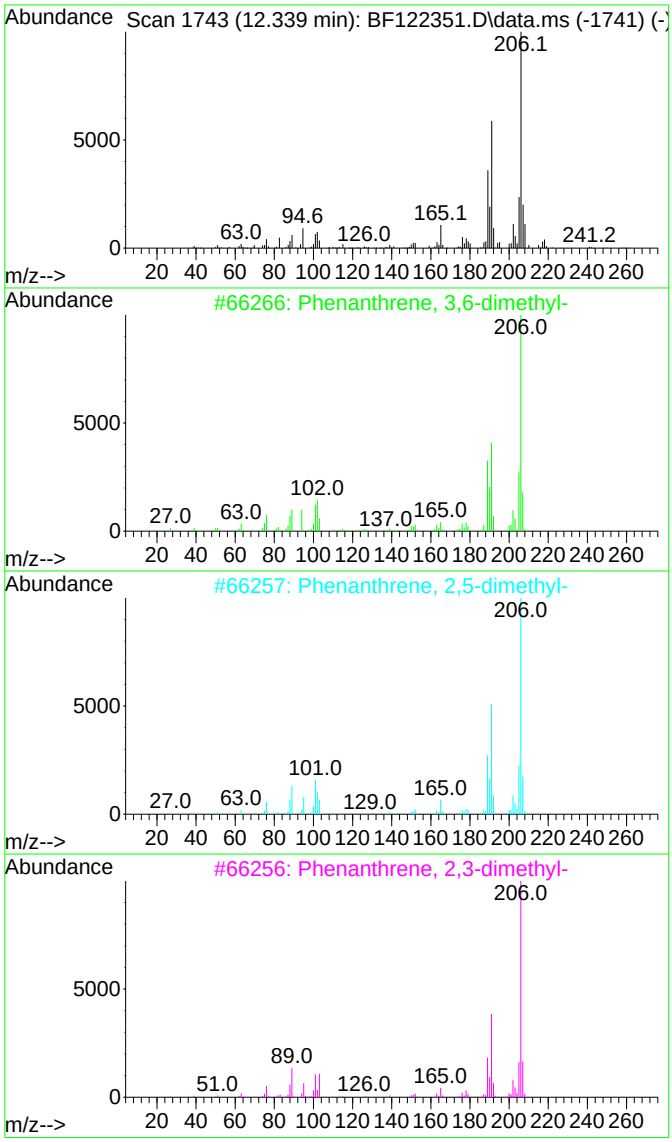
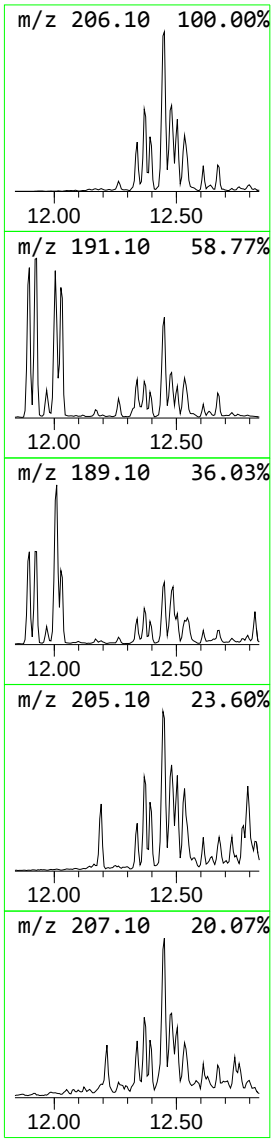
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	7.25 ng	1023190	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





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Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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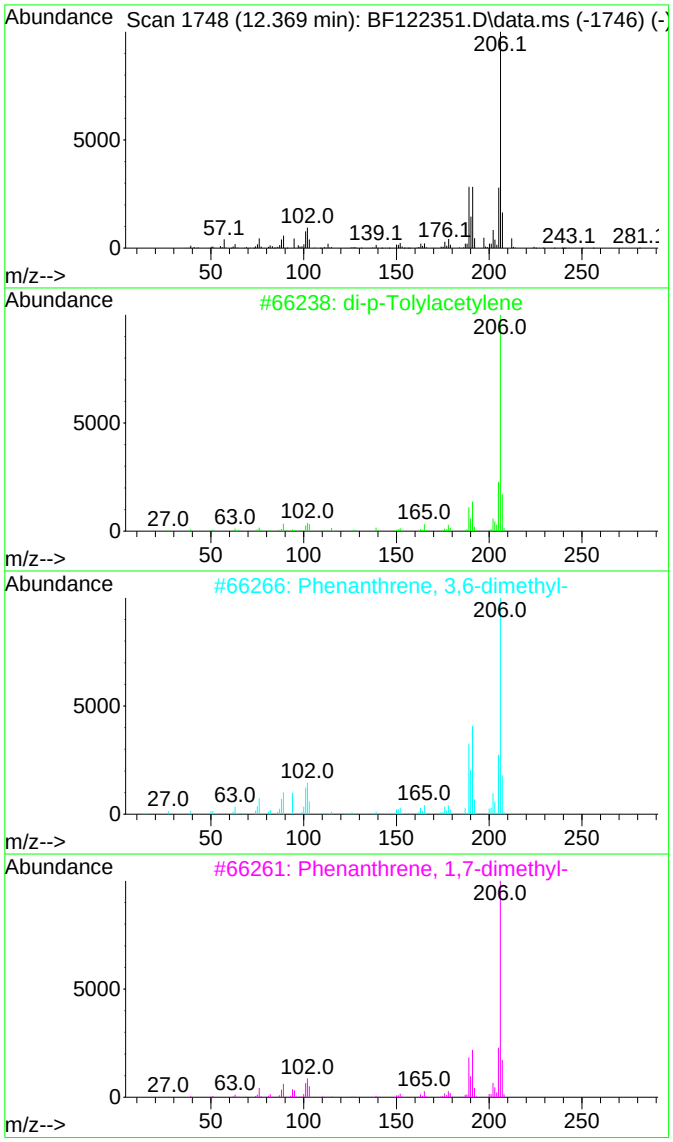
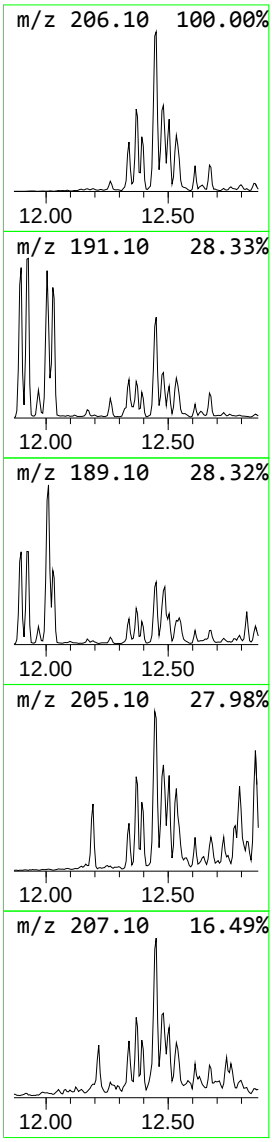
Peak Number 10 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	11.07 ng	1562450	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	80





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Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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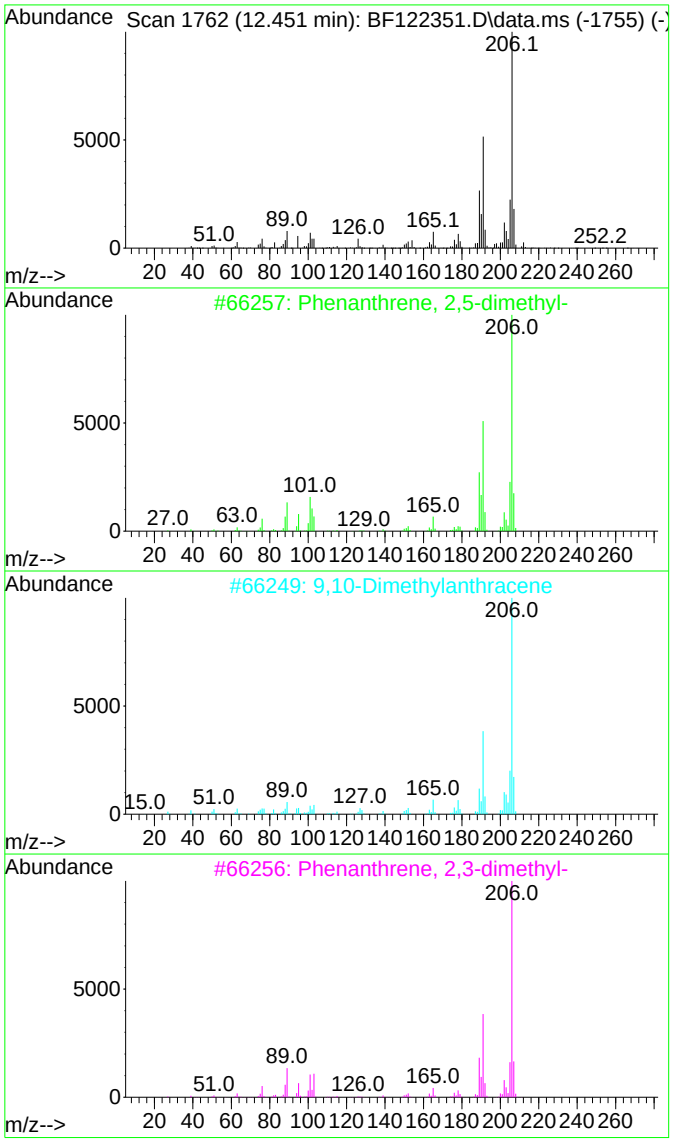
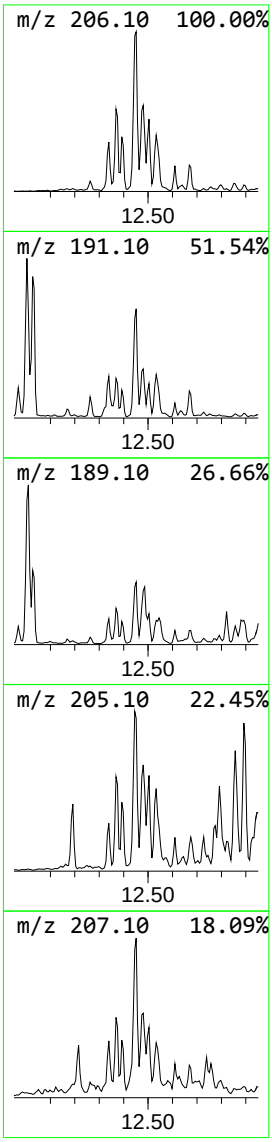
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	29.35 ng	4143160	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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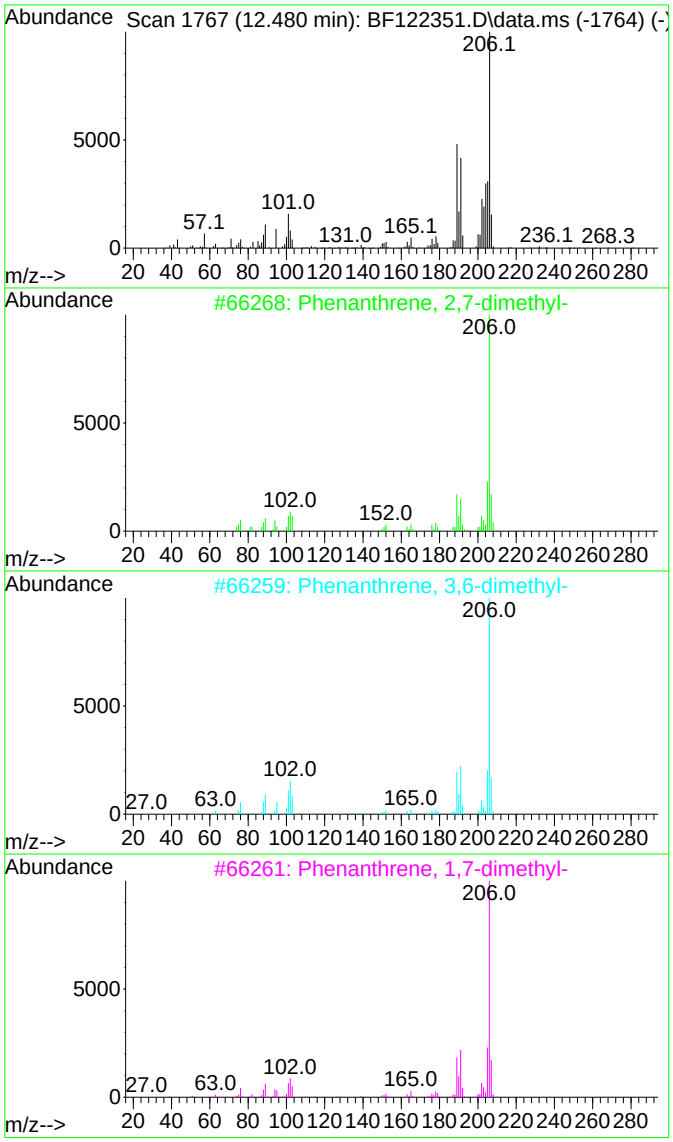
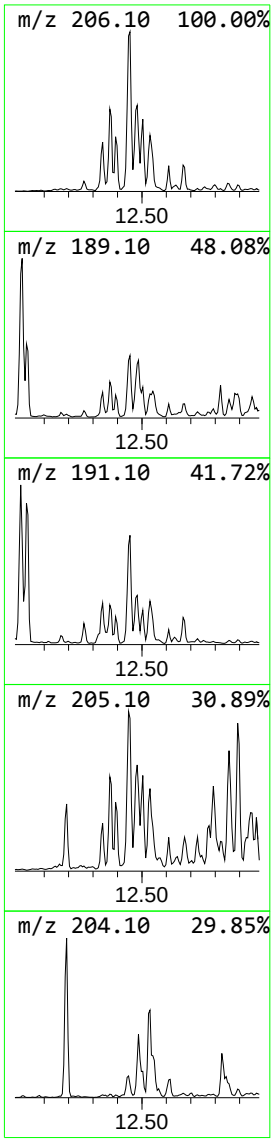
Peak Number 12 Phenanthrene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	15.32 ng	2162430	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64





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Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

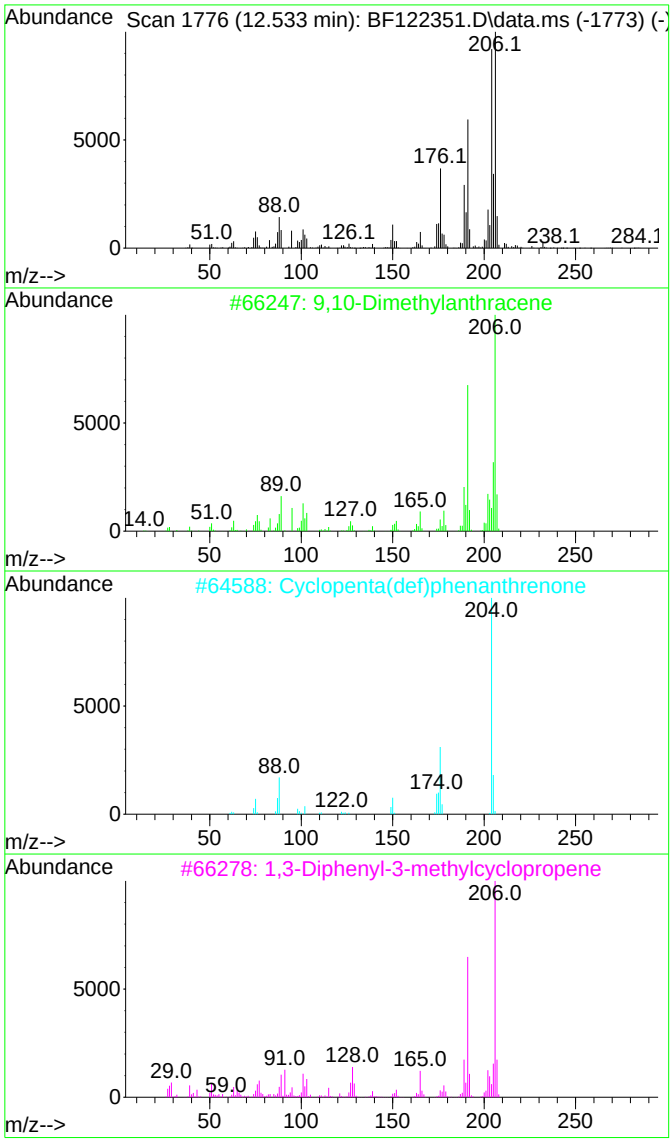
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

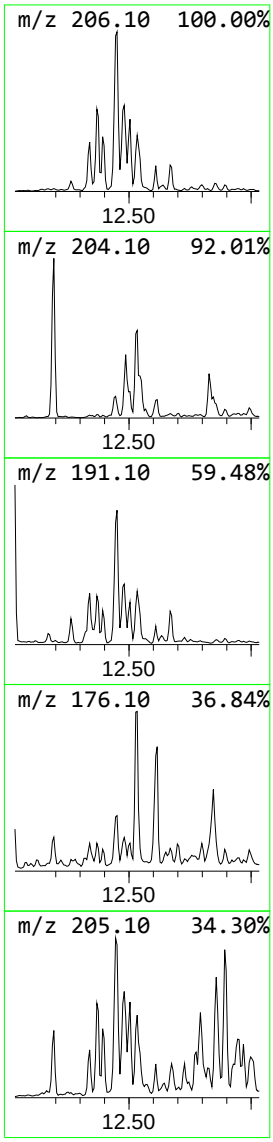
****

Peak Number 13 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	15.44 ng	2179970	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	70
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70





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Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

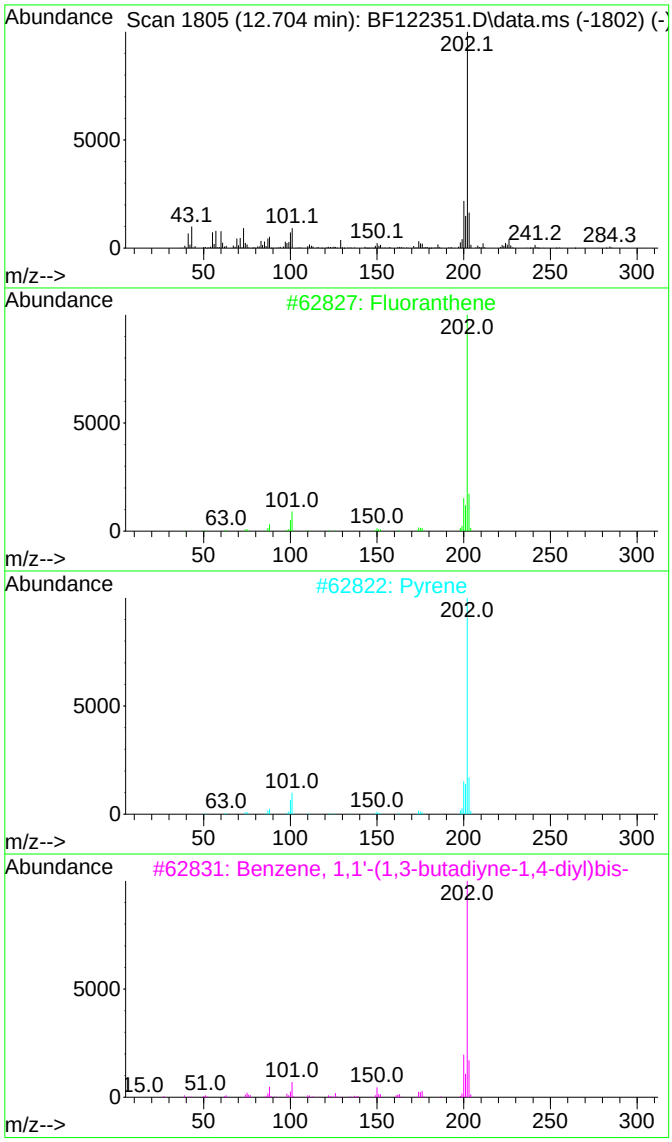
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

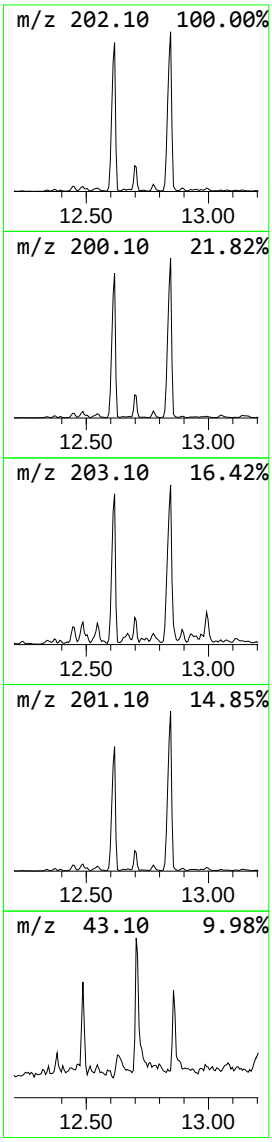
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.704	9.33 ng	1317020	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	70
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	70
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
5	Decahydroquinoline 243a	243	C17H25N	1000116-02-4	47





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Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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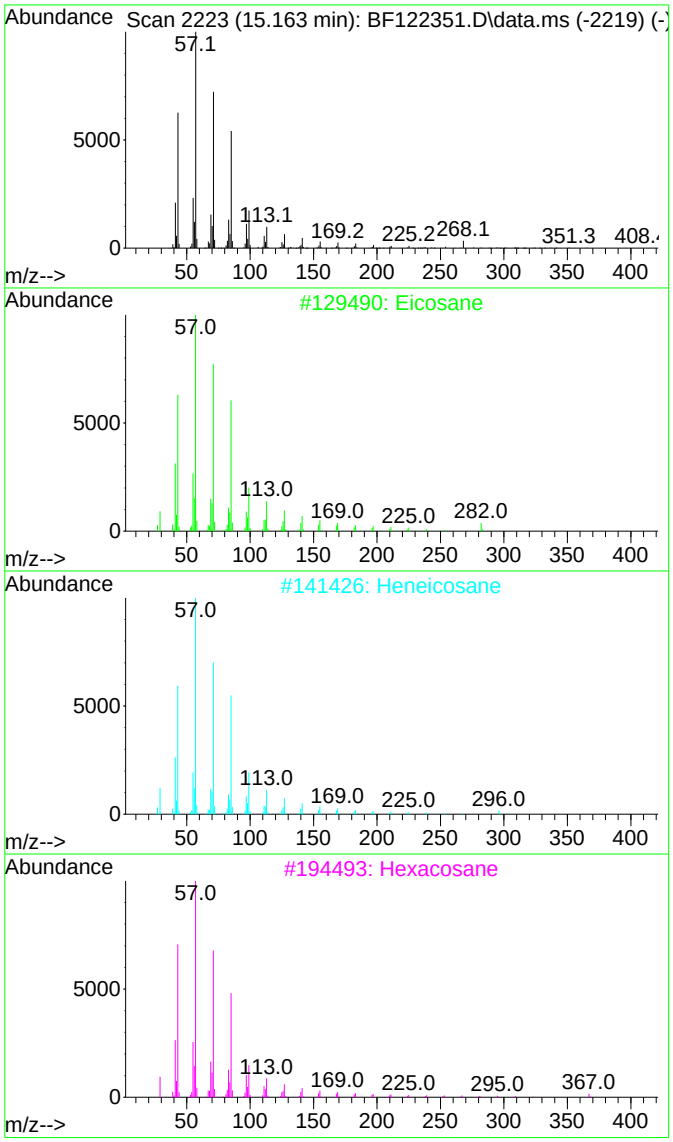
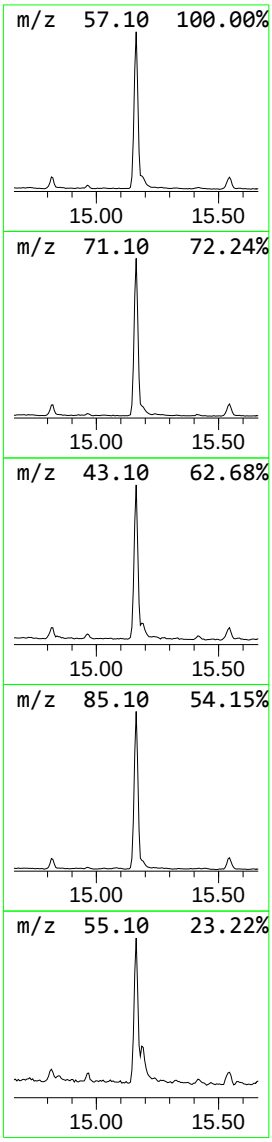
Peak Number 15 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	20.27 ng	2332740	Perylene-d12	15.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Heptacosane	380	C27H56	000593-49-7	91





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Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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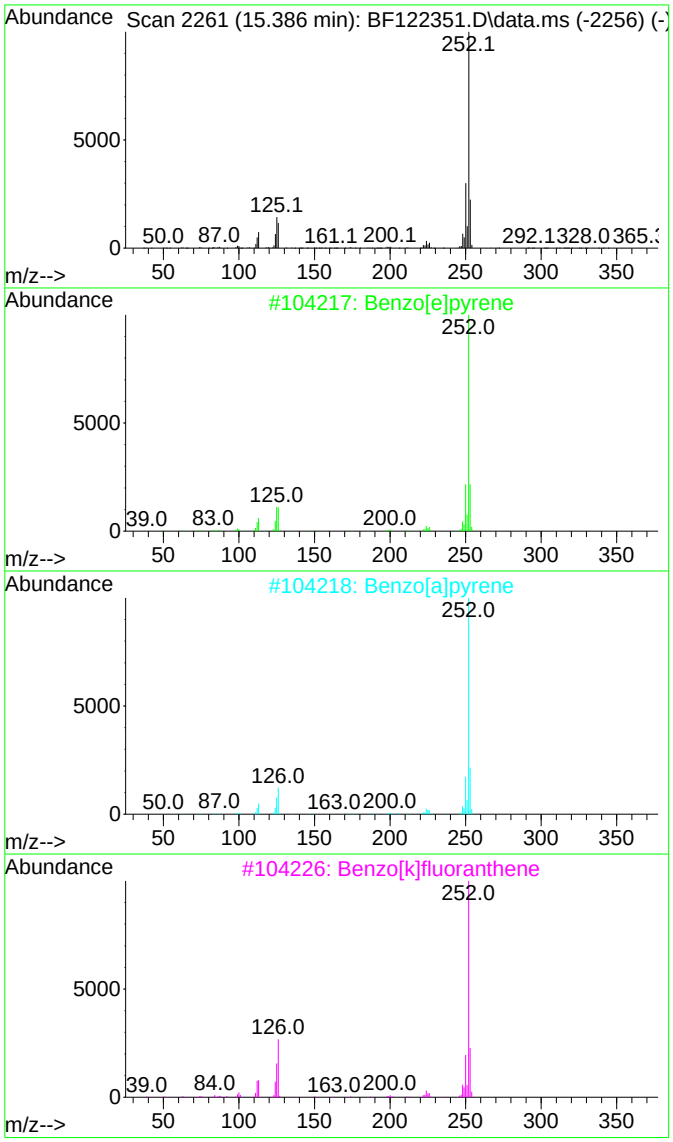
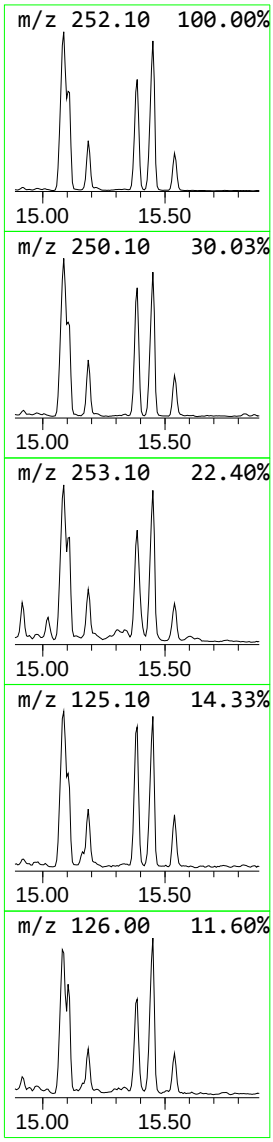
Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.386	24.78 ng	2852200	Perylene-d12	15.510

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	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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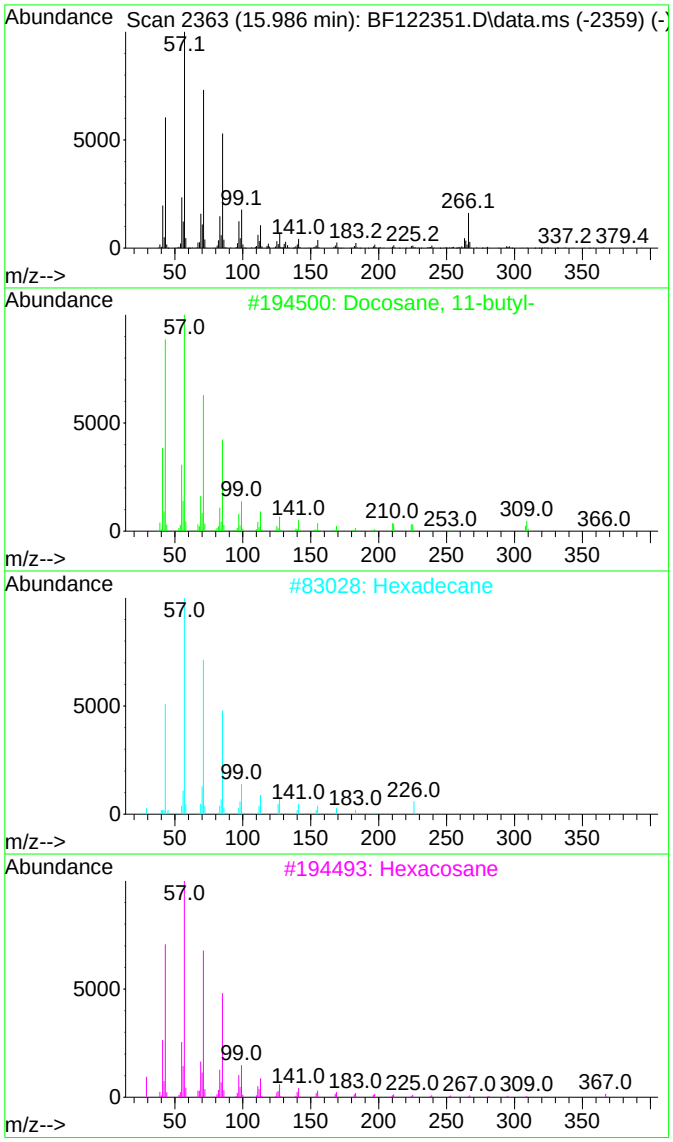
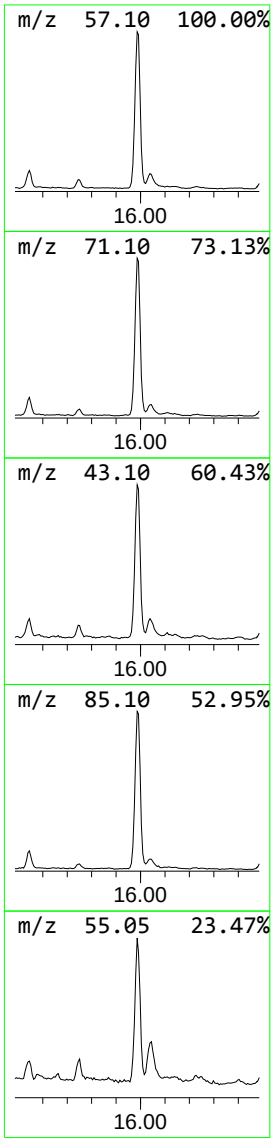
Peak Number 18 Docosane, 11-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.986	22.42 ng	2580480	Perylene-d12	15.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Hexacosane	366	C26H54	000630-01-3	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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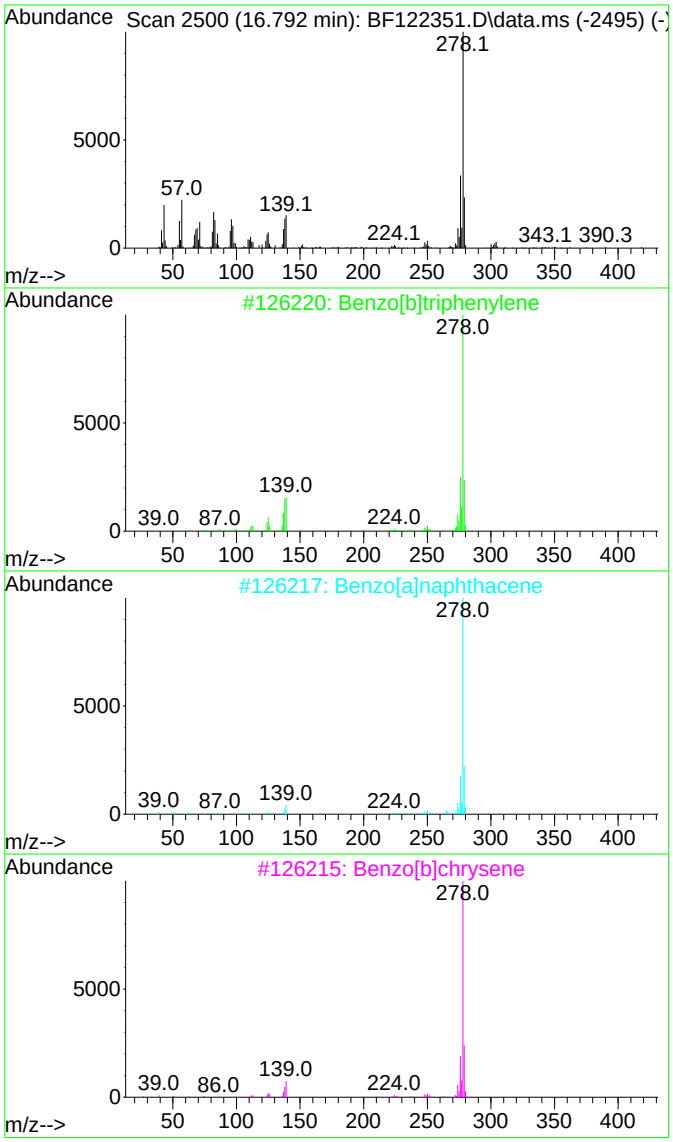
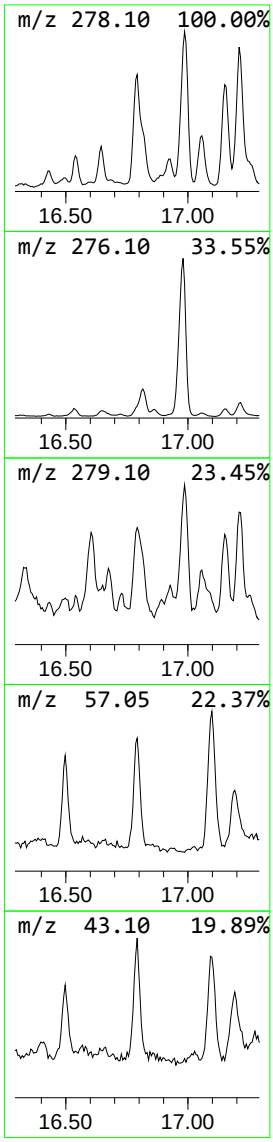
Peak Number 19 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.792	10.58 ng	1217830	Perylene-d12	15.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
3	Benzo[b]chrysene	278	C22H14	000214-17-5	89
4	Picene	278	C22H14	000213-46-7	89
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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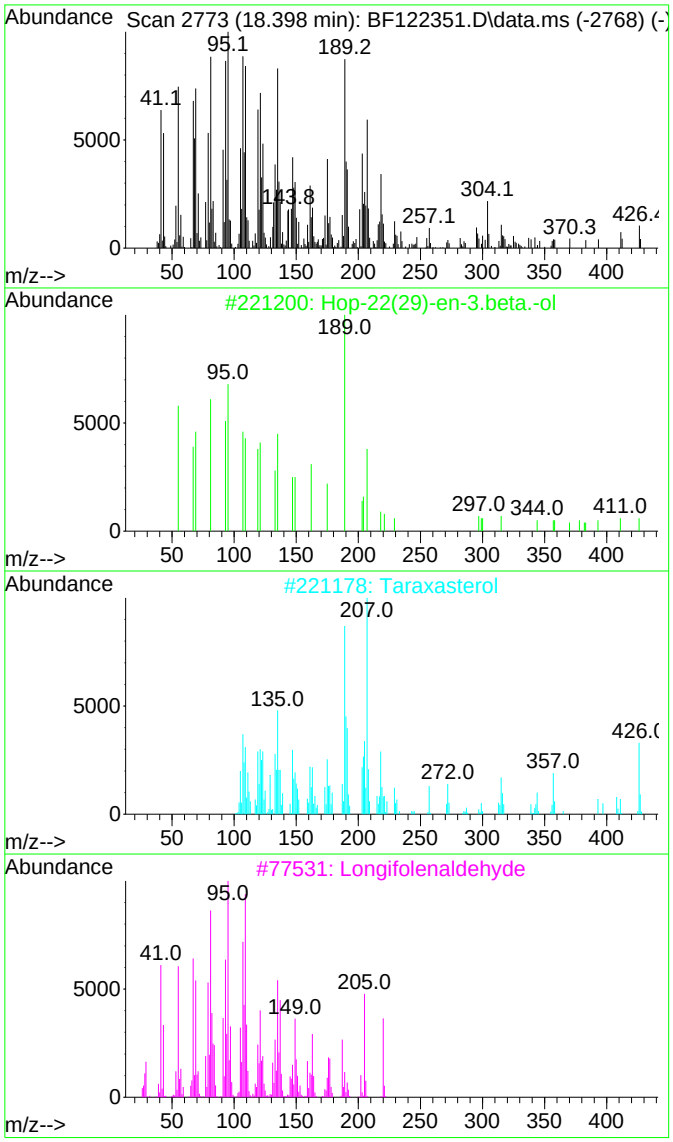
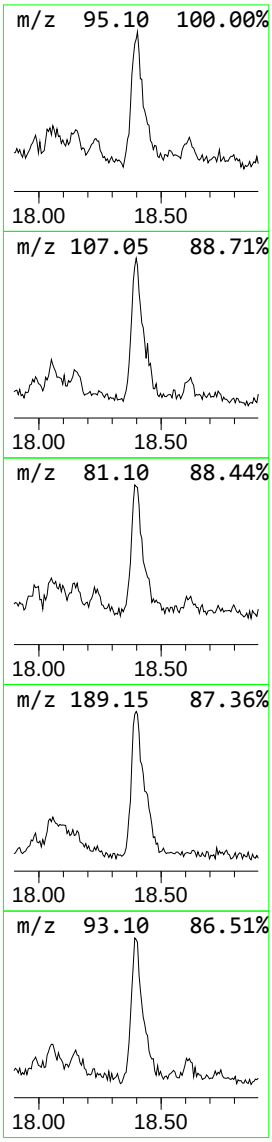
Peak Number 20 Hop-22(29)-en-3.beta.-ol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.398	12.16 ng	1400050	Perylene-d12	15.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	83
2	Taraxasterol	426	C30H50O	001059-14-9	68
3	Longifolenaldehyde	220	C15H24O	019890-84-7	50
4	Guaia-9,11-diene	204	C15H24	1000374-19-8	45
5	(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
Data File : BF122351.D
Acq On : 17 Nov 2020 17:52
Operator : JU/CG
Sample : L4617-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BG-1-(0.5-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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
Butane, 2-metho...	2.134	10.6	ng	923650	1	6.863	1741590	20.0
Dibenzothiophen...	11.722	8.2	ng	1162330	4	11.392	2823510	20.0
Phenanthrene, 2...	11.898	23.7	ng	3343120	4	11.392	2823510	20.0
Anthracene, 2-m...	11.922	32.5	ng	4586470	4	11.392	2823510	20.0
Phenanthrene, 1...	12.004	31.8	ng	4487850	4	11.392	2823510	20.0
1H-Cyclopropa[l...	12.028	15.6	ng	2196990	4	11.392	2823510	20.0
Naphthalene, 2-...	12.192	12.0	ng	1697490	4	11.392	2823510	20.0
9,10-Anthracene...	12.216	15.3	ng	2160780	4	11.392	2823510	20.0
Phenanthrene, 3...	12.339	7.3	ng	1023190	4	11.392	2823510	20.0
di-p-Tolylacety...	12.369	11.1	ng	1562450	4	11.392	2823510	20.0
Phenanthrene, 2...	12.451	29.4	ng	4143160	4	11.392	2823510	20.0
Phenanthrene, 2...	12.480	15.3	ng	2162430	4	11.392	2823510	20.0
9,10-Dimethylan...	12.533	15.4	ng	2179970	4	11.392	2823510	20.0
Benzene, 1,1'-(...	12.704	9.3	ng	1317020	4	11.392	2823510	20.0
Eicosane	15.163	20.3	ng	2332740	6	15.510	2302020	20.0
Benzo[e]pyrene	15.386	24.8	ng	2852200	6	15.510	2302020	20.0
Docosane, 11-bu...	15.986	22.4	ng	2580480	6	15.510	2302020	20.0
Benzo[b]triphen...	16.792	10.6	ng	1217830	6	15.510	2302020	20.0
Hop-22(29)-en-3...	18.398	12.2	ng	1400050	6	15.510	2302020	20.0