LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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	5.416	562	566	576	rBV	2911079	2809883	53.83%	3.508%
2	6.433	734	739	742	rBV	3081398	2822849	54.08%	3.524%
3	6.792	797	800	807	rBV	1079661	986069	18.89%	1.231%
4	7.357	891	896	899	rBV	1984598	2020952	38.72%	2.523%
5	8.080	1013	1019	1021	rBV	1261148	1234351	23.65%	1.541%
6	8.098	1021	1022	1028	rVB	390637	256463	4.91%	0.320%
7	8.792	1136	1140	1143	rBV	180688	156491	3.00%	0.195%
8	8.886	1152	1156	1160	rVB	193475	163491	3.13%	0.204%
9	9.151	1196	1201	1205	rBV	3485283	3361146	64.40%	4.196%
10	9.416	1241	1246	1251	rBV	95354	129850	2.49%	0.162%
11	9.486	1254	1258	1261	rVV	219639	228551	4.38%	0.285%
12	9.545	1265	1268	1272	rVV	441762	368828	7.07%	0.460%
13	9.604	1275	1278	1283	rVV	120467	145068	2.78%	0.181%
14	9.686	1286	1292	1297	rVB	148028	151199	2.90%	0.189%
15	9.833	1308	1317	1319	rBV	1417965	1401172	26.84%	1.749%
16	9.863	1319	1322	1325	rVB	682451	532581	10.20%	0.665%
17	10.033	1347	1351	1355	rVV	501422	448152	8.59%	0.559%
18	10.374	1405	1409	1415	rBV	626940	581615	11.14%	0.726%
19	10.463	1422	1424	1426	rVV2	138941	124818	2.39%	0.156%
20	10.533	1433	1436	1440	rVV	261989	244636	4.69%	0.305%
21	10.621	1444	1451	1454	rVV	2262879	2246278	43.04%	2.804%
22	10.745	1466	1472	1478	rVB4	147566	214628	4.11%	0.268%
23	10.921	1496	1502	1505	rBV3	179324	285041	5.46%	0.356%
24	10.951	1505	1507	1510	rVV2	130767	128008	2.45%	0.160%
25	11.051	1519	1524	1526	rBV2	155956	198195	3.80%	0.247%
26	11.074	1526	1528	1530	rVV2	174088	155696	2.98%	0.194%
27	11.121	1533	1536	1540	rVV	422333	370120	7.09%	0.462%
28	11.163	1540	1543	1548	rVV4	158644	268753	5.15%	0.336%
29	11.210	1548	1551	1557	rVB	434836	405231	7.76%	0.506%
30	11.316	1563	1569	1571	rBV	1314517	1425697	27.31%	1.780%
31	11.345	1571	1574	1577	rVV	4620716	4698530	90.02%	5.866%
32	11.392	1577	1582	1585	rVV	1693648	1442763	27.64%	1.801%
33	11.421	1585	1587	1590	rVV2	151024	147737	2.83%	0.184%
34	11.545	1602	1608	1611	rBV2	694718	695865	13.33%	0.869%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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	11.610	1616	1619	1622	rVV	217596	204867	3.93%	0.256%
36	11.645	1622	1625	1630	rVB3	218514	227090	4.35%	0.284%
37	11.815	1649	1654	1656	rVV	843039	746871	14.31%	0.932%
38	11.845	1656	1659	1663	rVB	1225975	999213	19.14%	1.247%
39	11.892	1663	1667	1670	rBV	478732	410358	7.86%	0.512%
40	11.927	1670	1673	1676	rVV	1091624	1305522	25.01%	1.630%
41	11.951	1676	1677	1681	rVB	617432	354447	6.79%	0.442%
42	11.998	1681	1685	1687	rBV2	97982	125868	2.41%	0.157%
43	12.110	1701	1704	1707	rVV	525151	483526	9.26%	0.604%
44	12.139	1707	1709	1712	rVB	399450	300145	5.75%	0.375%
45	12.263	1724	1730	1732	rBV3	209624	272690	5.22%	0.340%
46	12.292	1732	1735	1737	rVV	191167	148256	2.84%	0.185%
47	12.315	1737	1739	1742	rVB	180851	138473	2.65%	0.173%
48	12.368	1742	1748	1750	rBV	465499	554140	10.62%	0.692%
49	12.404	1750	1754	1756	rVV	310787	380701	7.29%	0.475%
50	12.457	1759	1763	1767	rVB	358359	412900	7.91%	0.515%
51	12.539	1771	1777	1780	rBV	4804648	5087351	97.47%	6.351%
52	12.592	1784	1786	1789	rVB2	143481	118939	2.28%	0.148%
53	12.680	1794	1801	1804	rBV3	249709	431285	8.26%	0.538%
54	12.768	1809	1816	1820	rBV2	3784899	5219539	100.00%	6.516%
55	12.804	1820	1822	1827	rVB2	263282	307809	5.90%	0.384%
56	12.874	1831	1834	1835	rVV2	345172	294741	5.65%	0.368%
57	12.904	1835	1839	1846	rVB2	2734035	3051516	58.46%	3.810%
58	12.980	1846	1852	1855	rBV3	350230	544657	10.43%	0.680%
59	13.057	1862	1865	1867	rBV3	259134	302327	5.79%	0.377%
60	13.086	1867	1870	1873	rVB	598688	560807	10.74%	0.700%
61	13.127	1873	1877	1879	rBV2	99031	173340	3.32%	0.216%
62	13.151	1879	1881	1883	rVB	296284	215215	4.12%	0.269%
63	13.186	1883	1887	1890	rBV2	503173	530846	10.17%	0.663%
64	13.280	1900	1903	1905	rBV	278800	227322	4.36%	0.284%
65	13.310	1905	1908	1912	rBV2	290015	264170	5.06%	0.330%
66	13.468	1931	1935	1937	rBV4	119549	177907	3.41%	0.222%
67	13.592	1953	1956	1960	rVB	537873	522040	10.00%	0.652%
68	13.698	1970	1974	1977	rBV2	476847	545964	10.46%	0.682%
69	13.727	1977	1979	1982	rVV	384731	390277	7.48%	0.487%
70	13.751	1982	1983	1988	rVV2	278353	398111	7.63%	0.497%
71	13.798	1988	1991	1998	rVB	840163	950382	18.21%	1.186%

LSC Area Percent Report

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Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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	13.868	2001	2003	2009	rVB2	110550	138264	2.65%	0.173%
73	13.951	2010	2017	2020	rBV2	2506469	3778497	72.39%	4.717%
74	13.986	2020	2023	2028	rVB	2108705	2026542	38.83%	2.530%
75	14.057	2030	2035	2038	rBV2	287750	328544	6.29%	0.410%
76	14.115	2043	2045	2047	rVV2	120078	137699	2.64%	0.172%
77	14.145	2047	2050	2052	rVV	162491	160899	3.08%	0.201%
78	14.180	2052	2056	2059	rVB2	225255	271731	5.21%	0.339%
79	14.339	2079	2083	2086	rVV	490778	520624	9.97%	0.650%
80	14.374	2086	2089	2092	rVB	254633	245921	4.71%	0.307%
81	14.462	2101	2104	2106	rBV	205665	159906	3.06%	0.200%
82	14.486	2106	2108	2111	rVB2	167676	131946	2.53%	0.165%
83	14.645	2132	2135	2137	rBV3	176608	211484	4.05%	0.264%
84	14.727	2146	2149	2151	rBV2	123450	140013	2.68%	0.175%
85	14.892	2174	2177	2180	rBV2	79921	123564	2.37%	0.154%
86	14.933	2181	2184	2188	rVV3	143086	303129	5.81%	0.378%
87	14.992	2188	2194	2196	rVV	1790544	2809246	53.82%	3.507%
88	15.015	2196	2198	2201	rVV	983889	849110	16.27%	1.060%
89	15.092	2207	2211	2214	rVV	375514	382859	7.34%	0.478%
90	15.286	2238	2244	2249	rVB	1043819	1580063	30.27%	1.973%
91	15.345	2249	2254	2259	rVB	1594290	1968540	37.71%	2.458%
92	15.403	2259	2264	2267	rBV	775039	1075712	20.61%	1.343%
93	15.433	2267	2269	2276	rVB2	567145	668582	12.81%	0.835%
94	15.945	2354	2356	2367	rVB2	114248	157073	3.01%	0.196%
95	16.503	2448	2451	2466	rVB5	138225	355466	6.81%	0.444%
96	16.839	2501	2508	2515	rVB2	785519	1482970	28.41%	1.851%
97	16.997	2530	2535	2540	rBV	150229	266435	5.10%	0.333%
98	17.056	2541	2545	2550	rVV2	120539	199189	3.82%	0.249%
99	17.268	2574	2581	2591	rVB	573037	1172241	22.46%	1.463%
100	17.486	2614	2618	2624	rVB	128659	225337	4.32%	0.281%

Sum of corrected areas: 80101905

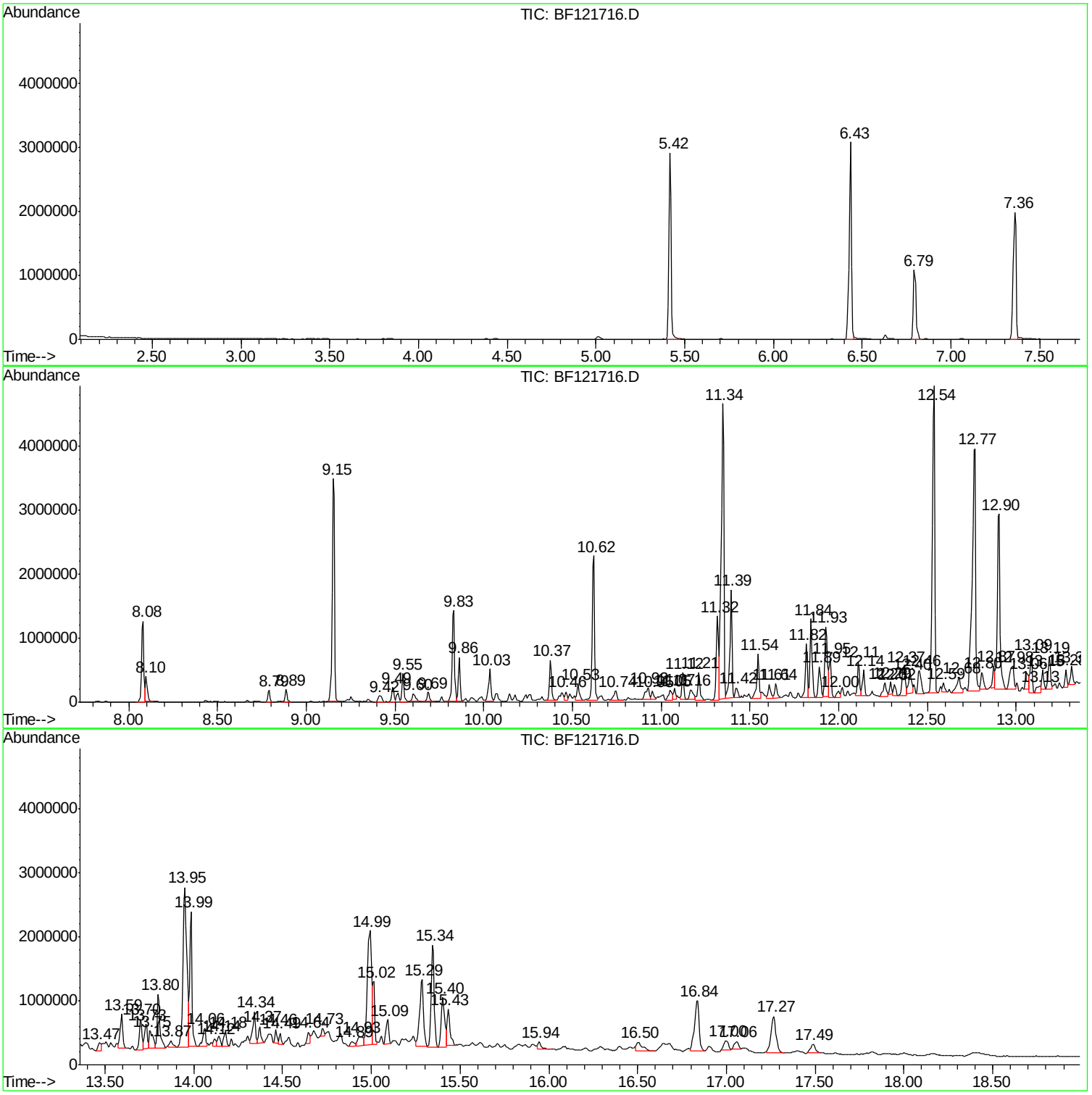
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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

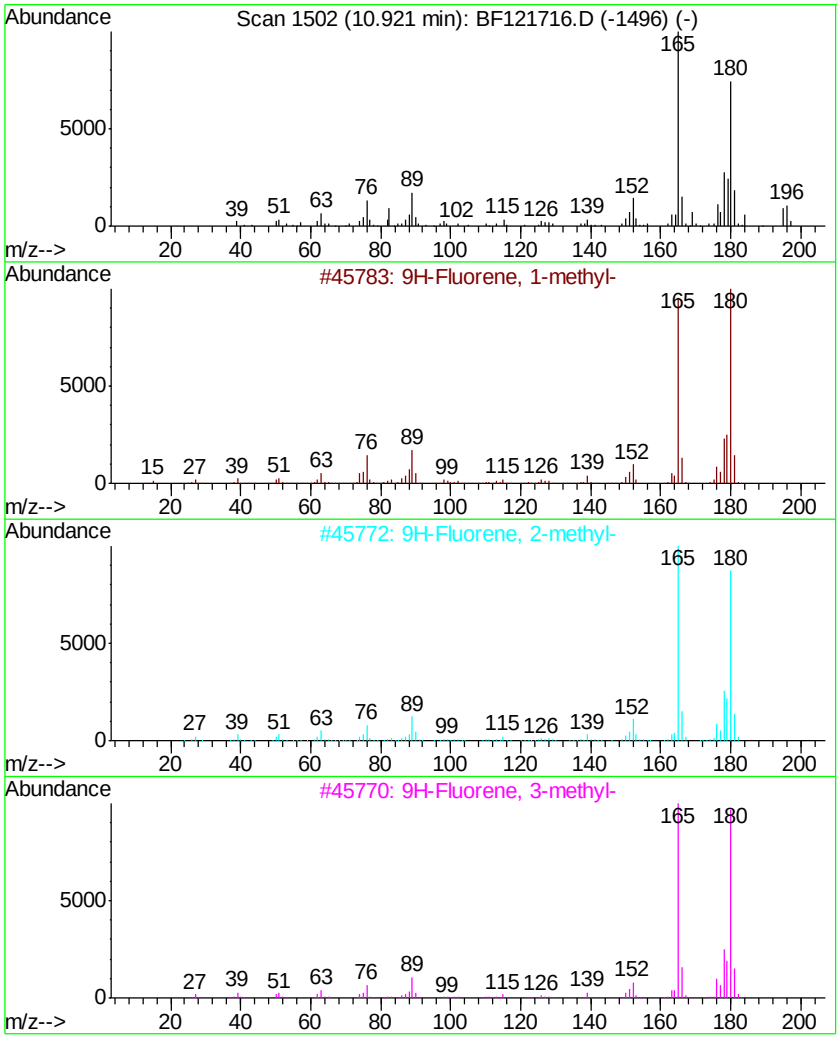
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

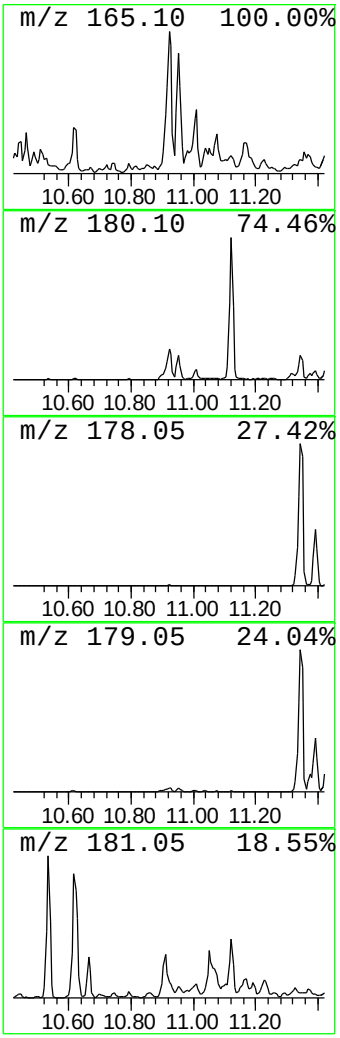
****

Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	4.00 ng	285041	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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

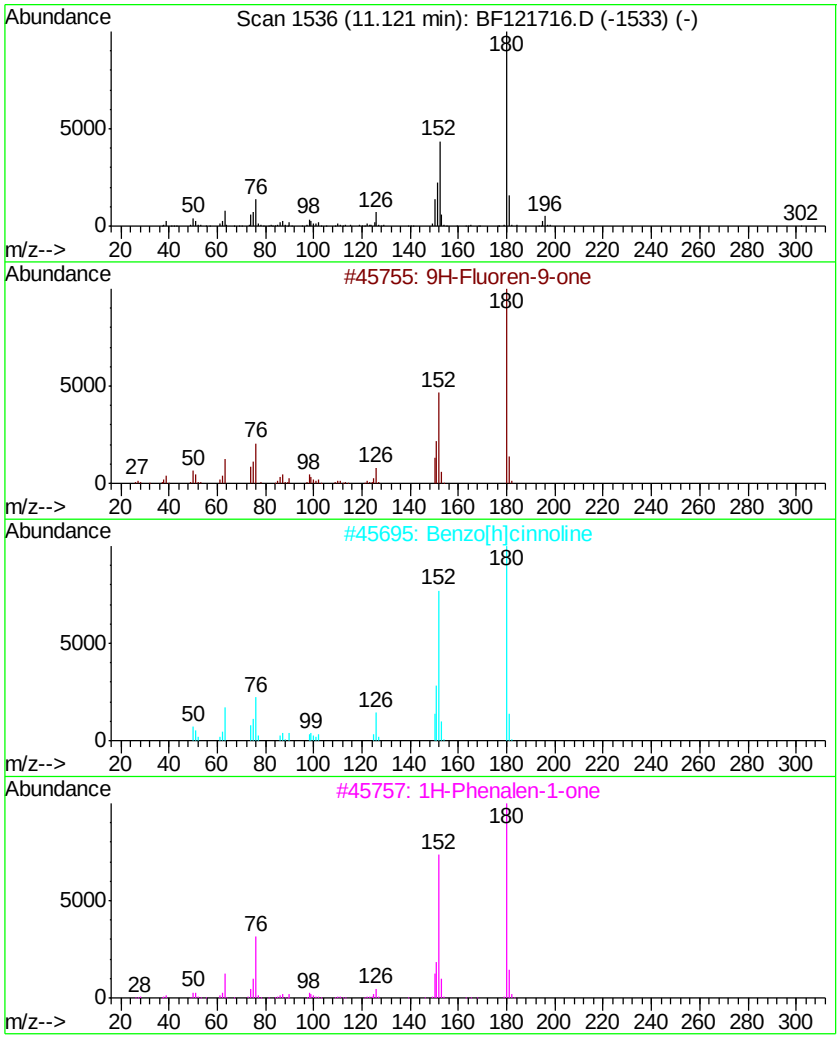
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

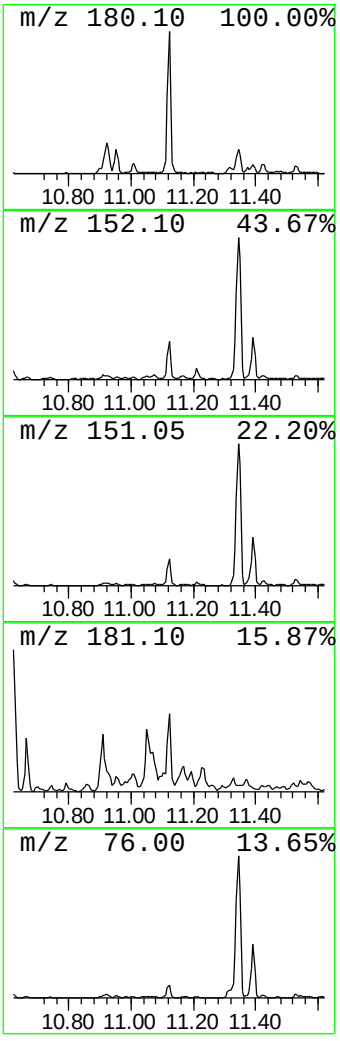
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	5.19 ng	370120	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	50
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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

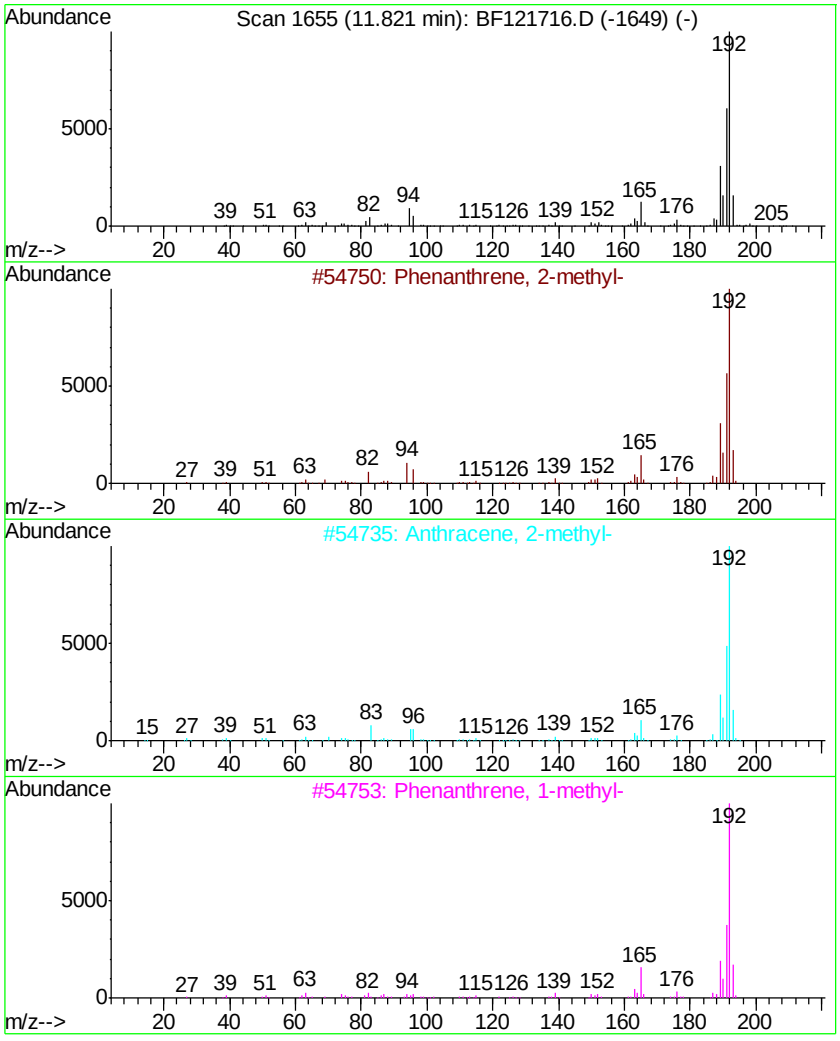
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

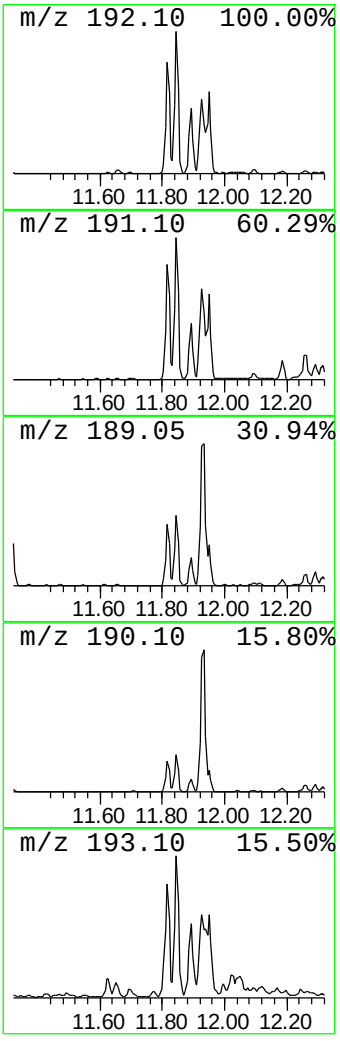
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	10.48 ng	746871	Phenanthrene-d10	11.32

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	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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

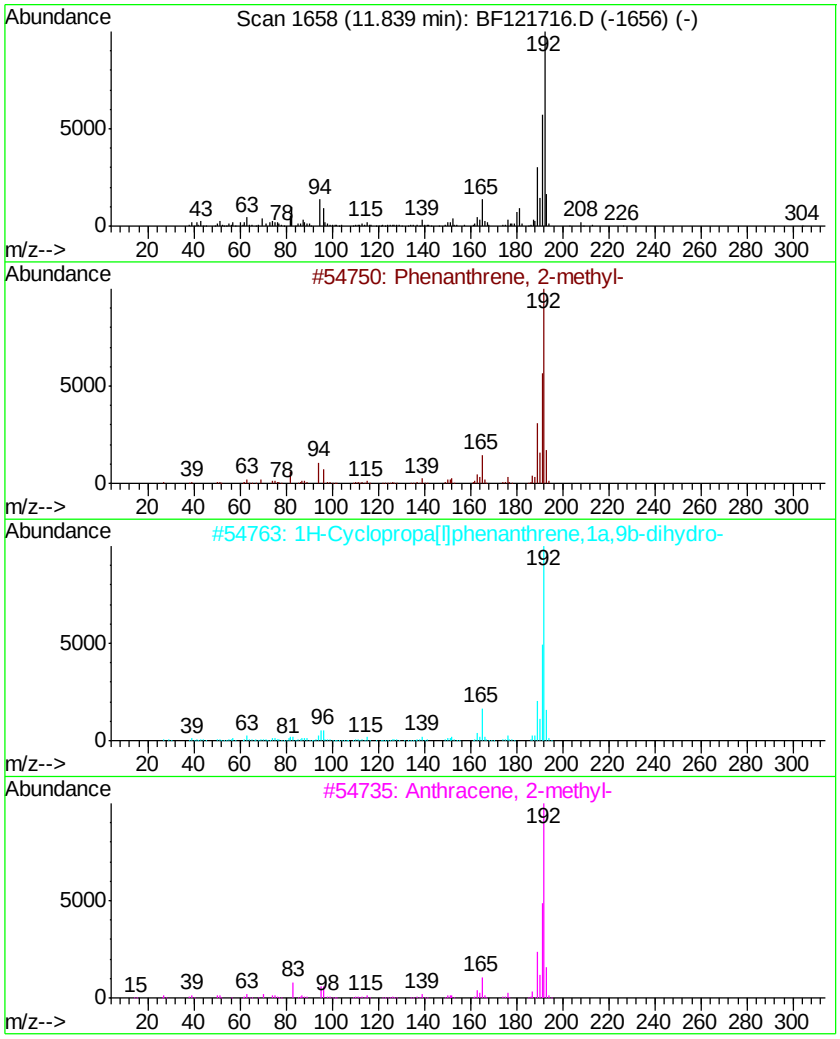
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

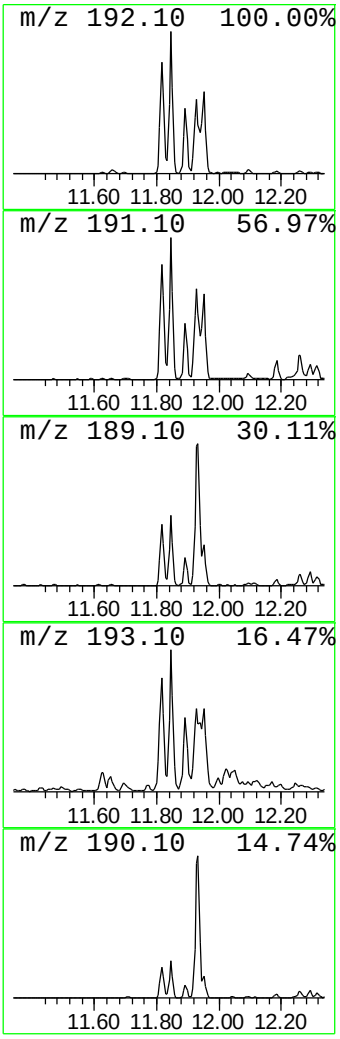
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	14.02 ng	999213	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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

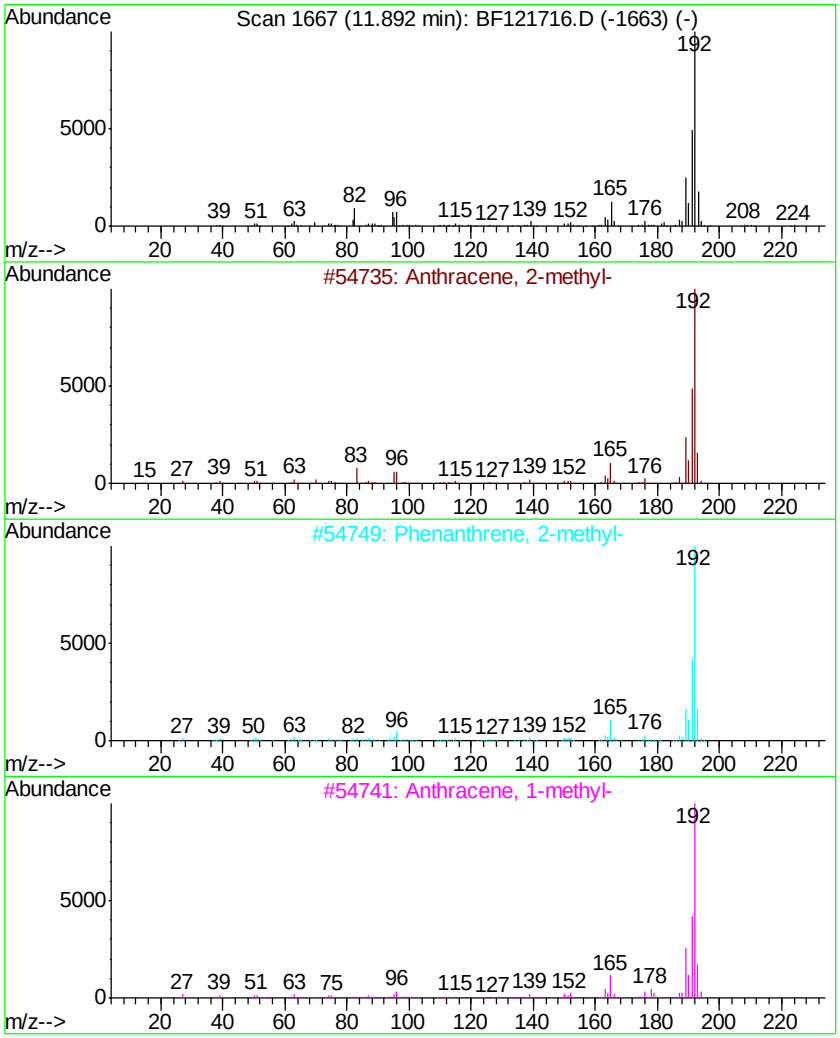
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

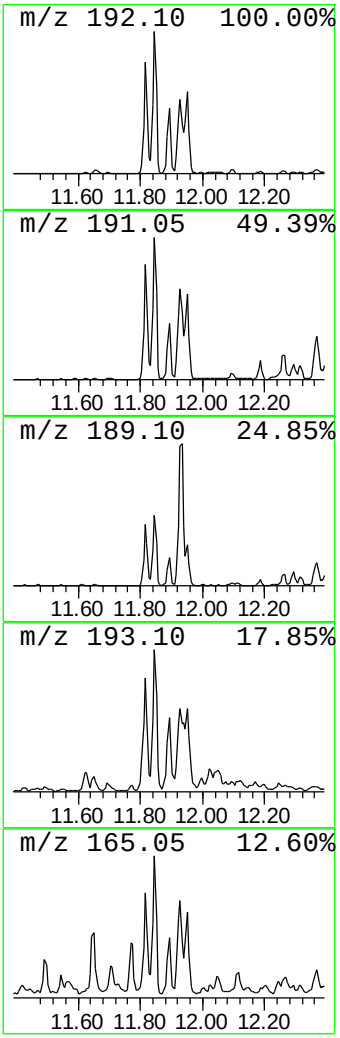
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	5.76 ng	410358	Phenanthrene-d10	11.32

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





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Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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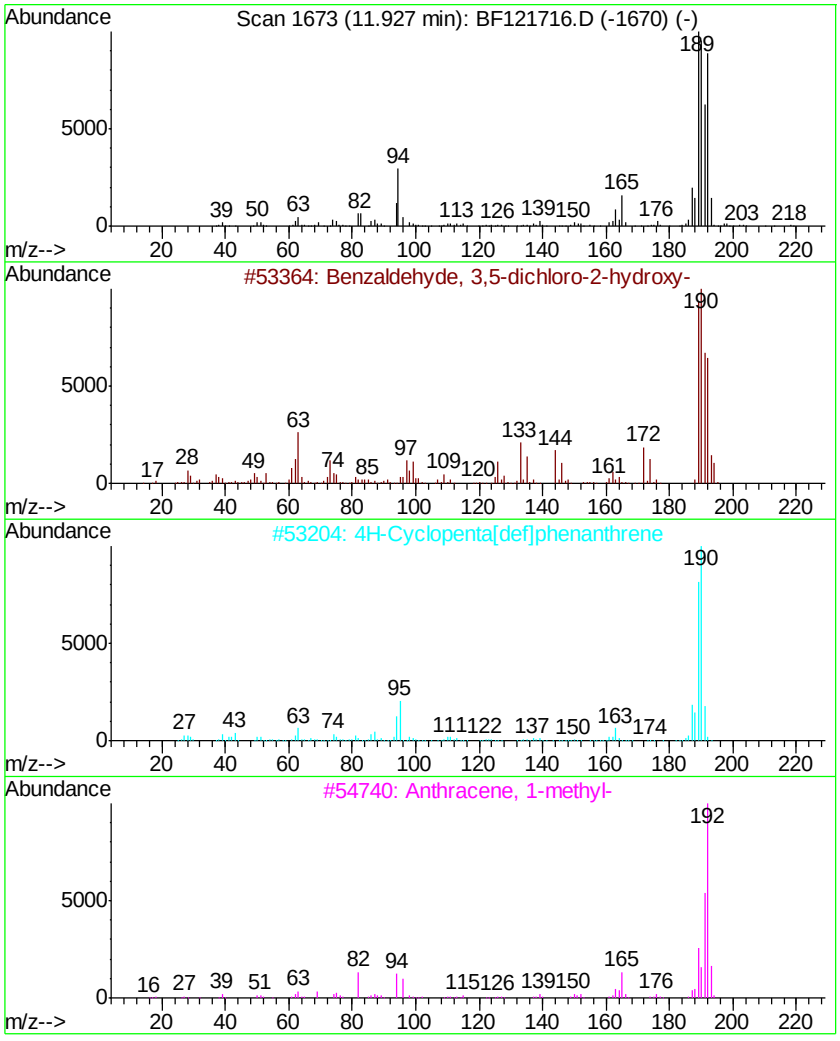
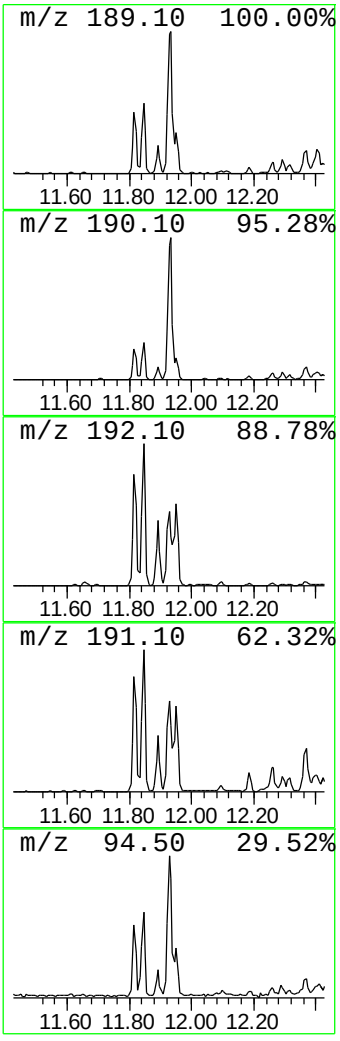
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	18.31 ng	1305520	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





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Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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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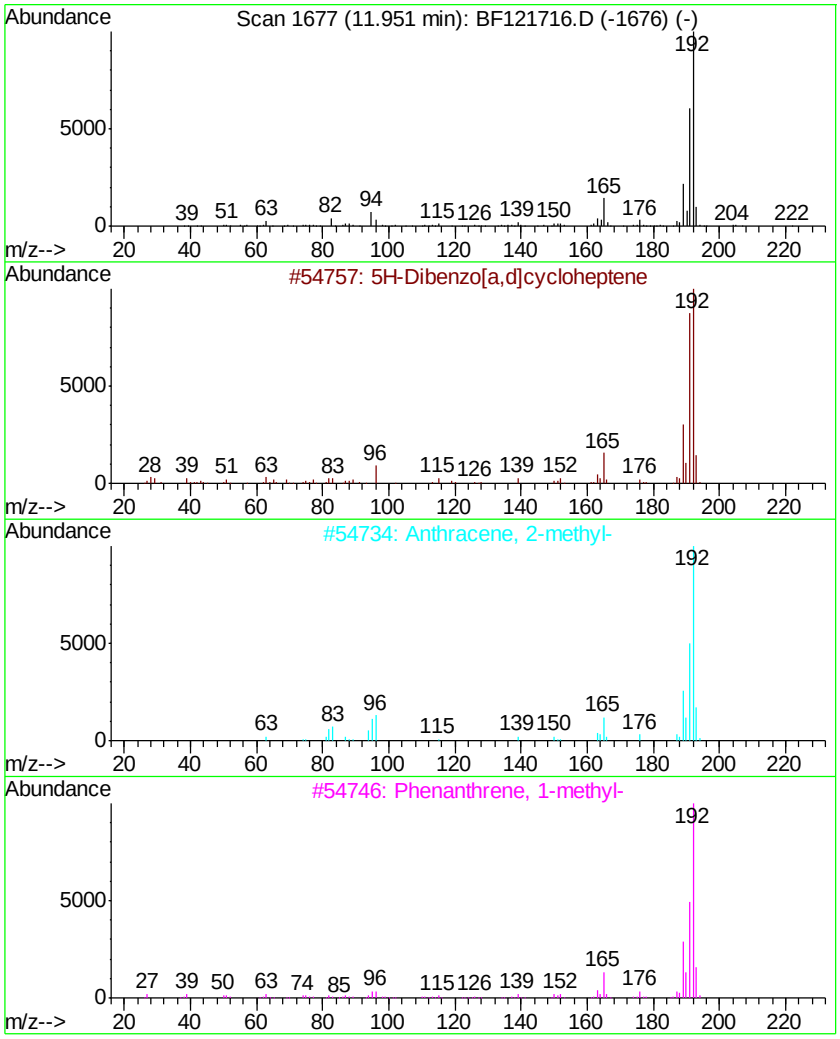
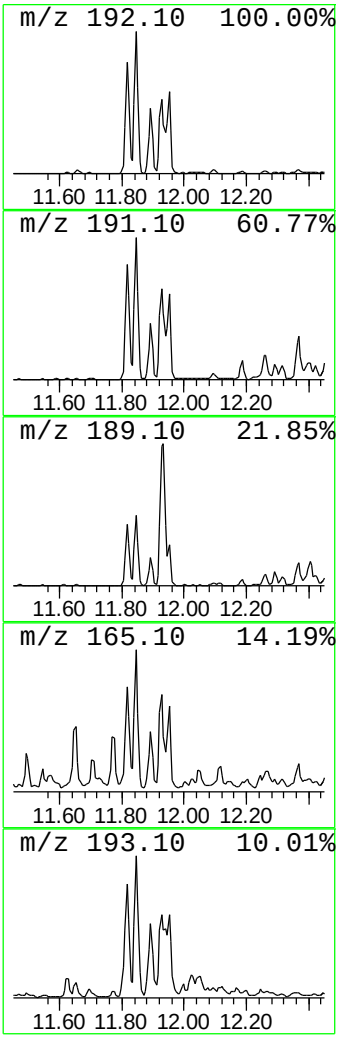
Peak Number 8 5H-Dibenzo[a,d]cycloheptene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.97 ng	354447	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72





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Sample : L4154-10
Misc :
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ClientSampleId : B-5(13-15)

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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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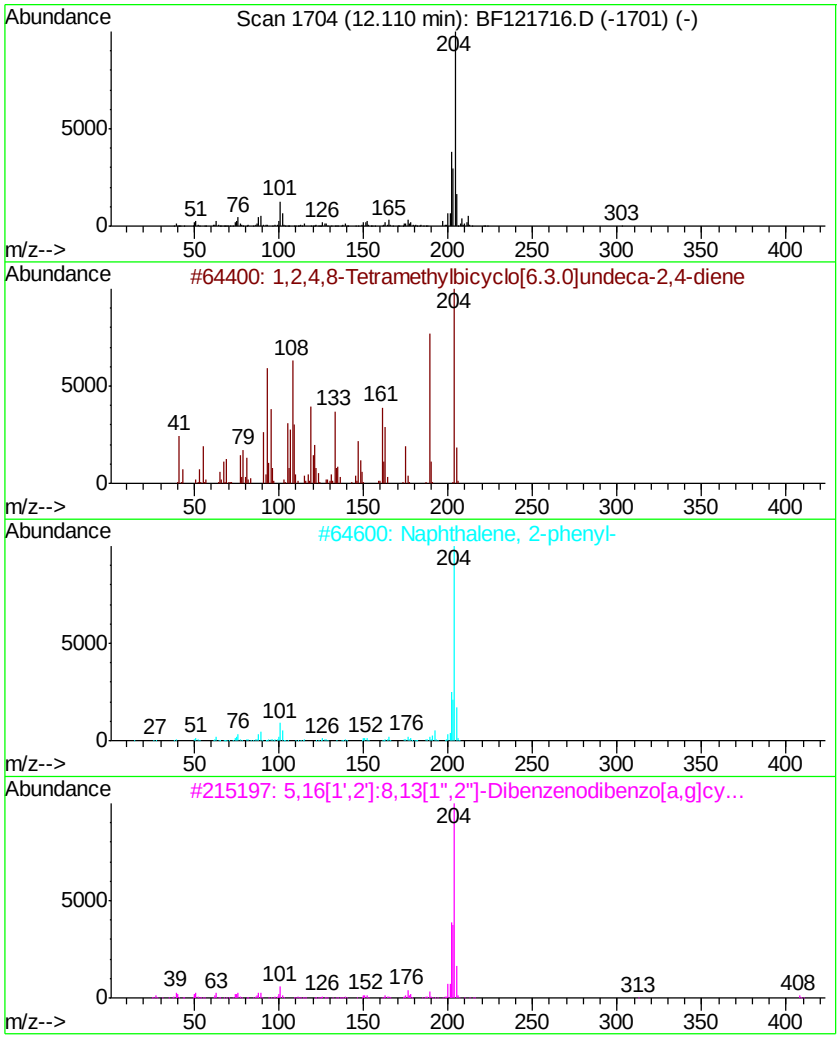
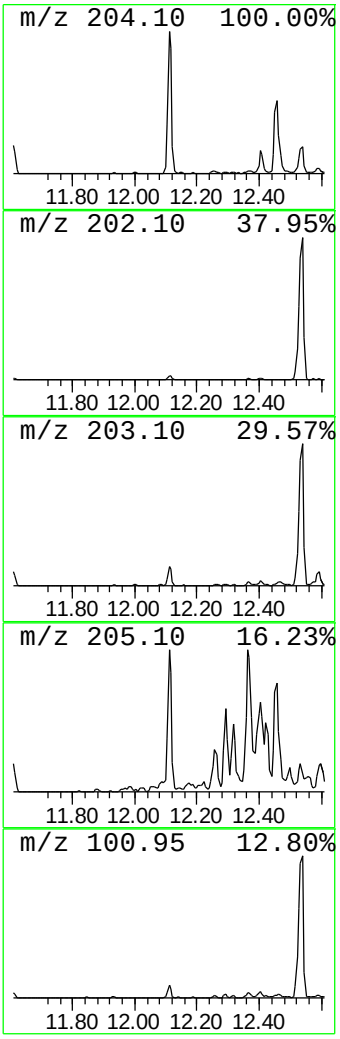
Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.78 ng	483526	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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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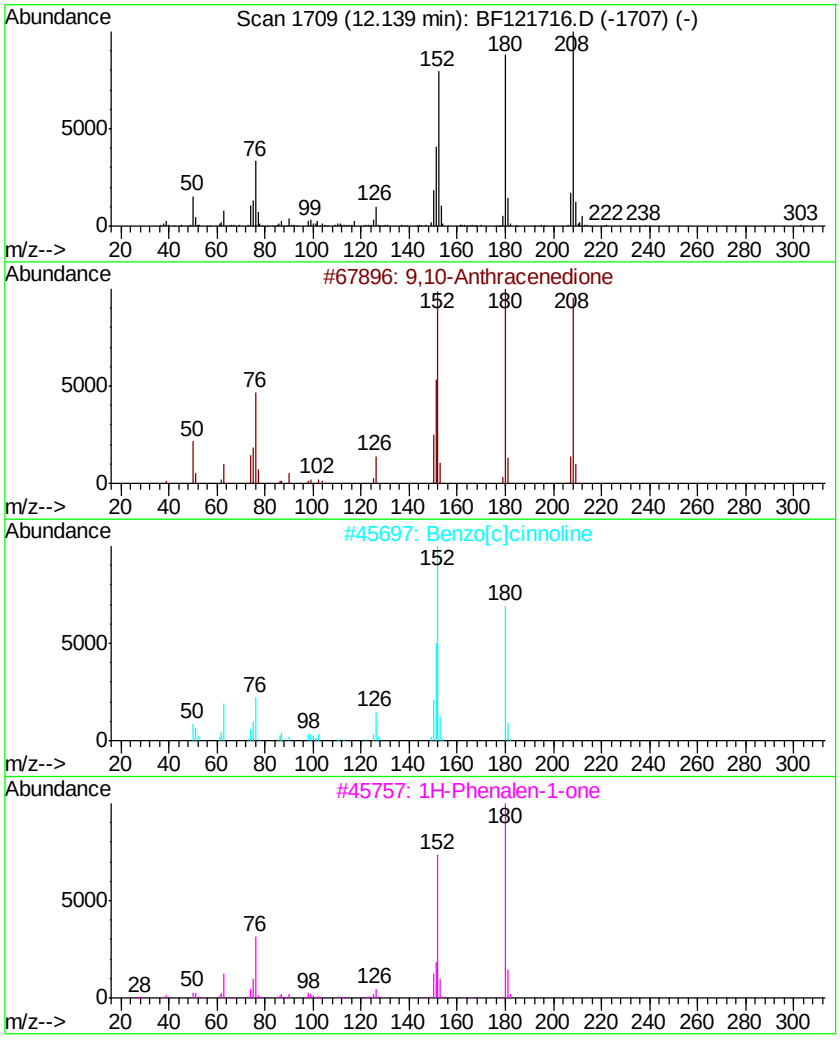
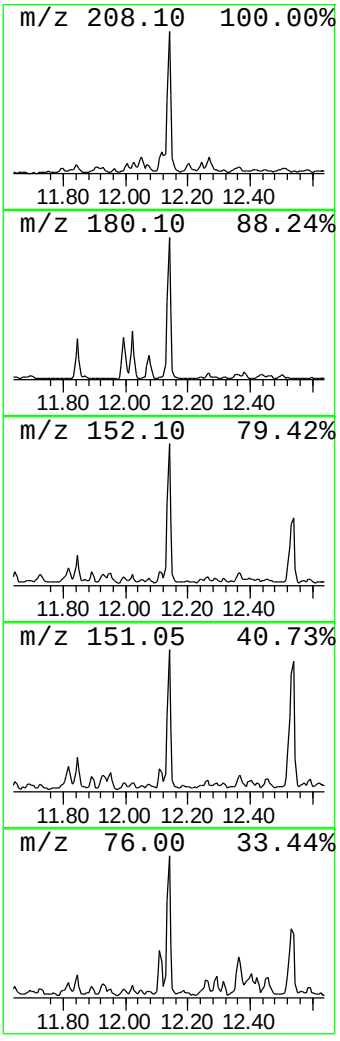
Peak Number 10 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.21 ng	300145	Phenanthrene-d10	11.32

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	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	47





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Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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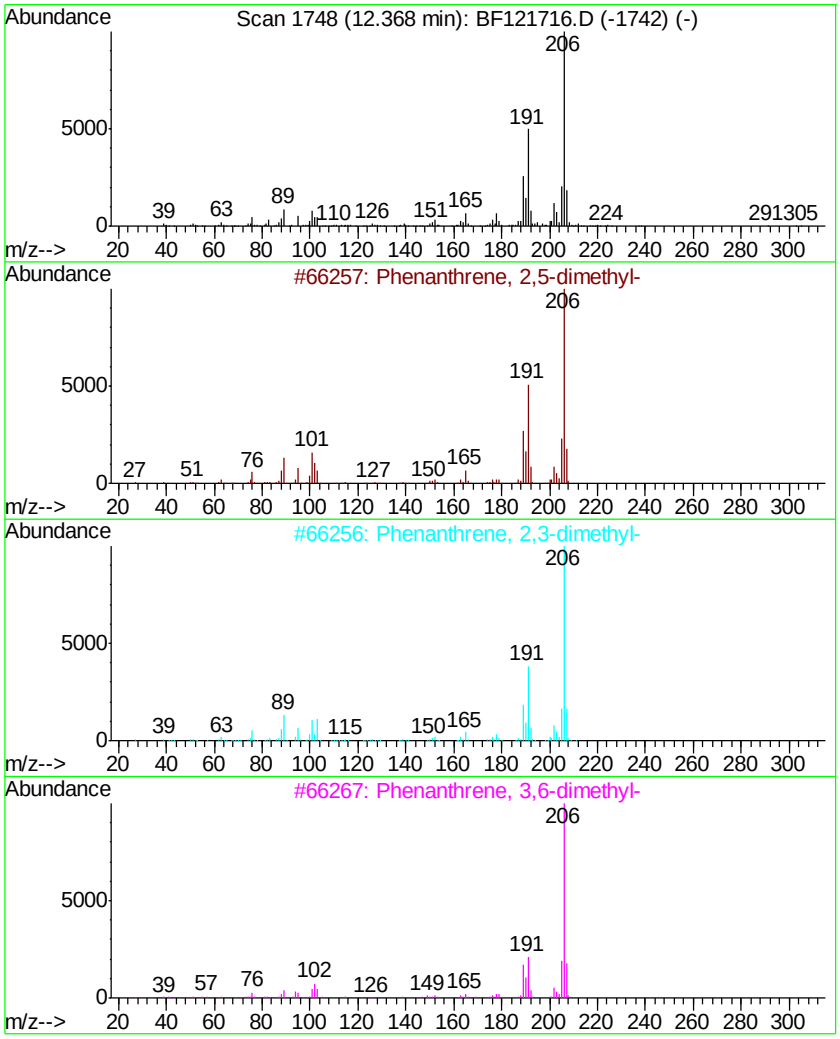
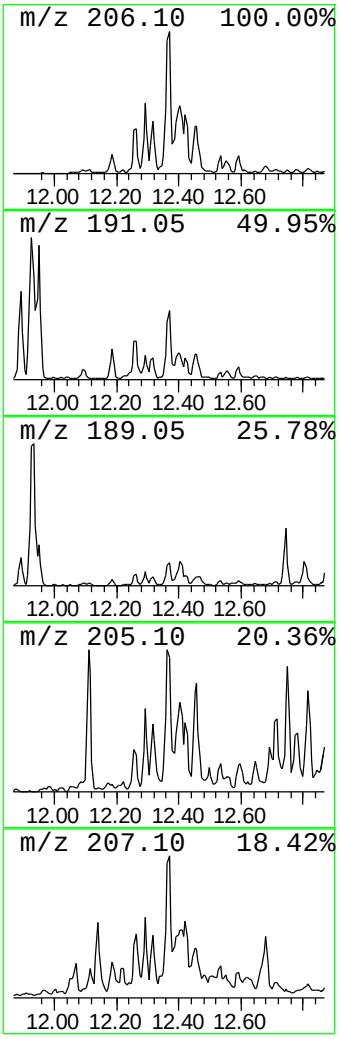
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	7.77 ng	554140	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





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Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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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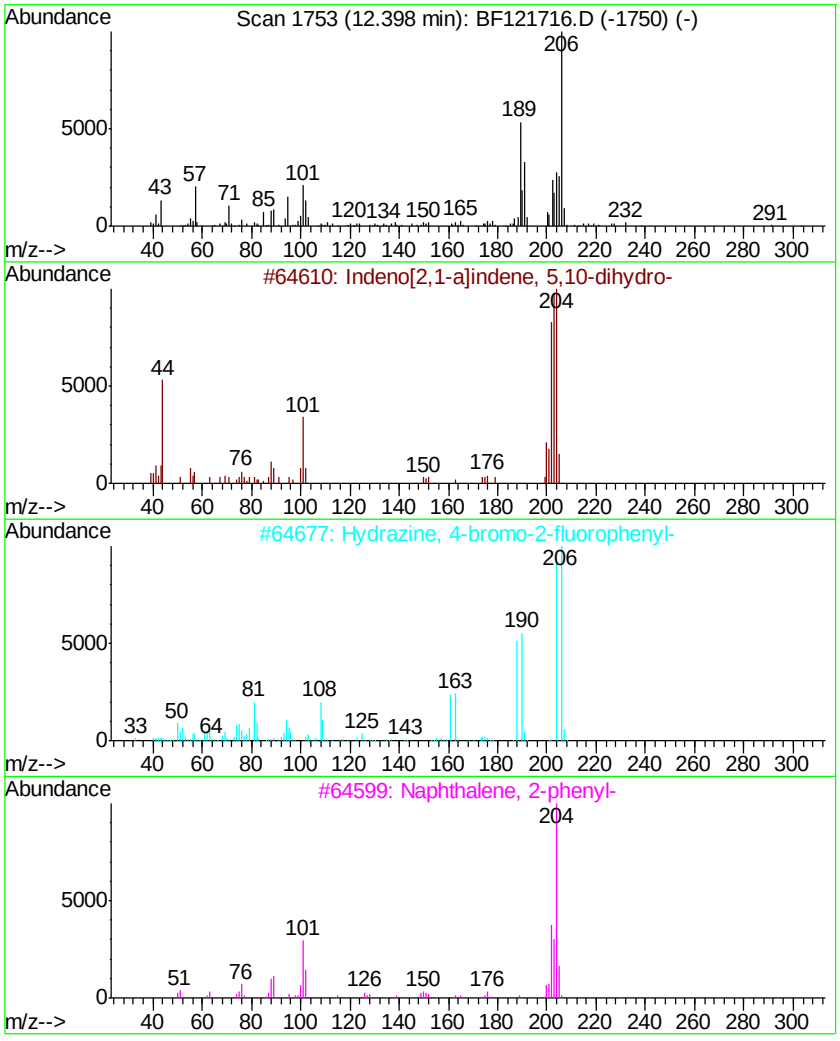
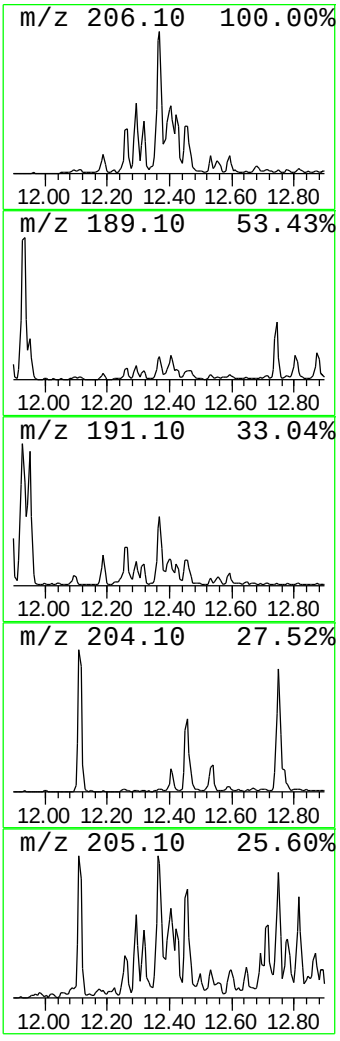
Peak Number 12 unknown12.40 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.34 ng	380701	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2	Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35





Library Search Compound Report

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Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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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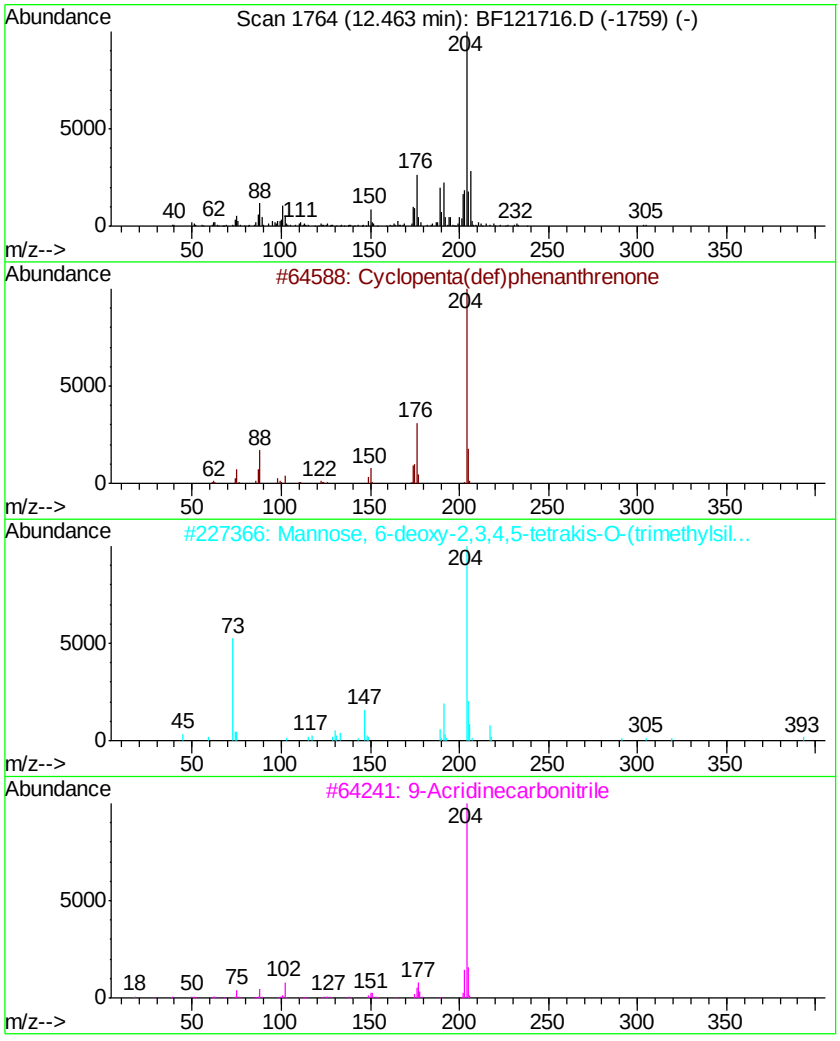
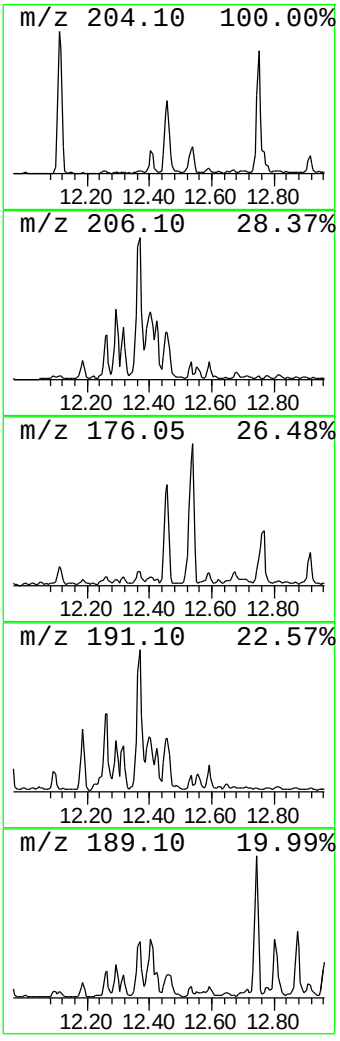
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.79 ng	412900	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





Library Search Compound Report

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Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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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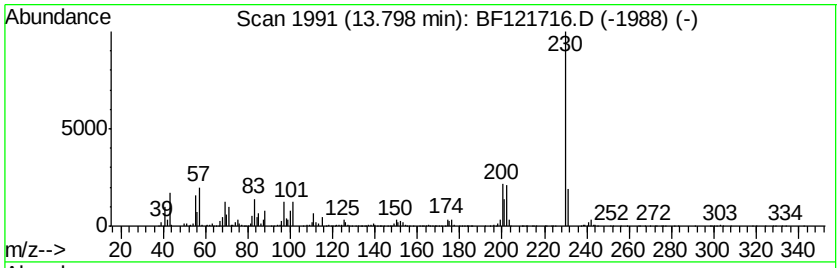
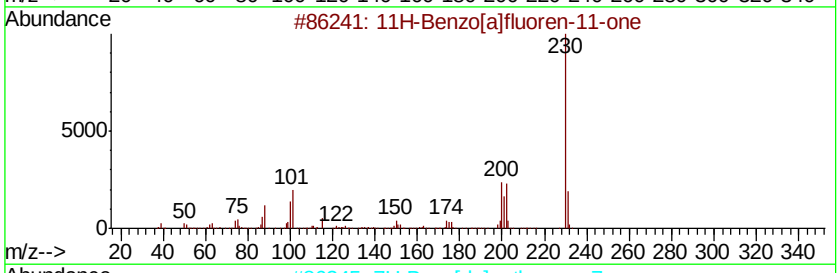
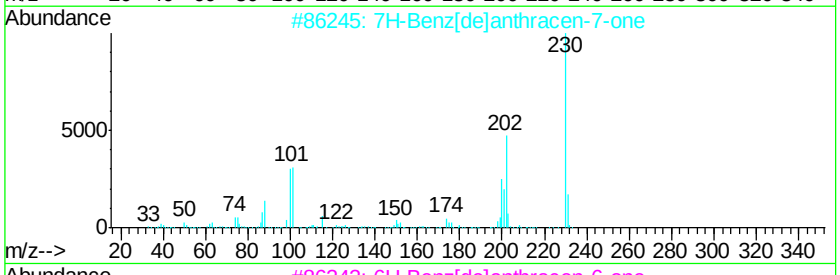
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

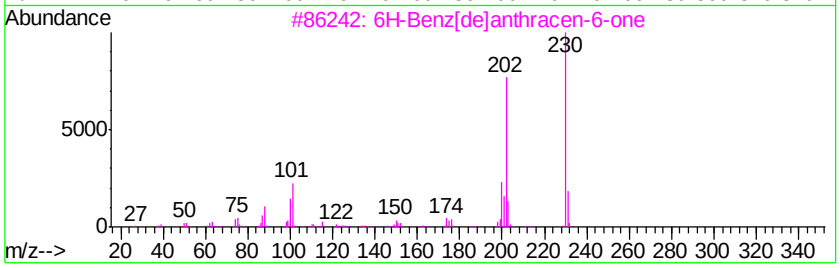
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	5.03 ng	950382	Chrysene-d12	13.96

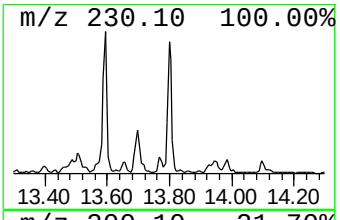
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	59
5	o-Terphenyl	230	C18H14	000084-15-1	58

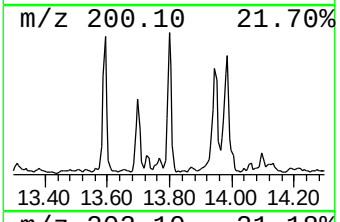


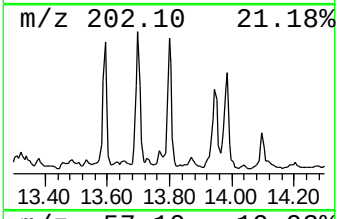


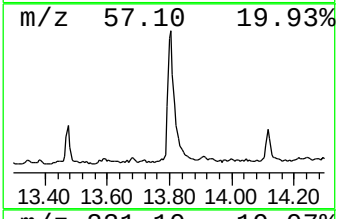


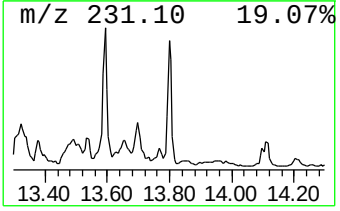












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Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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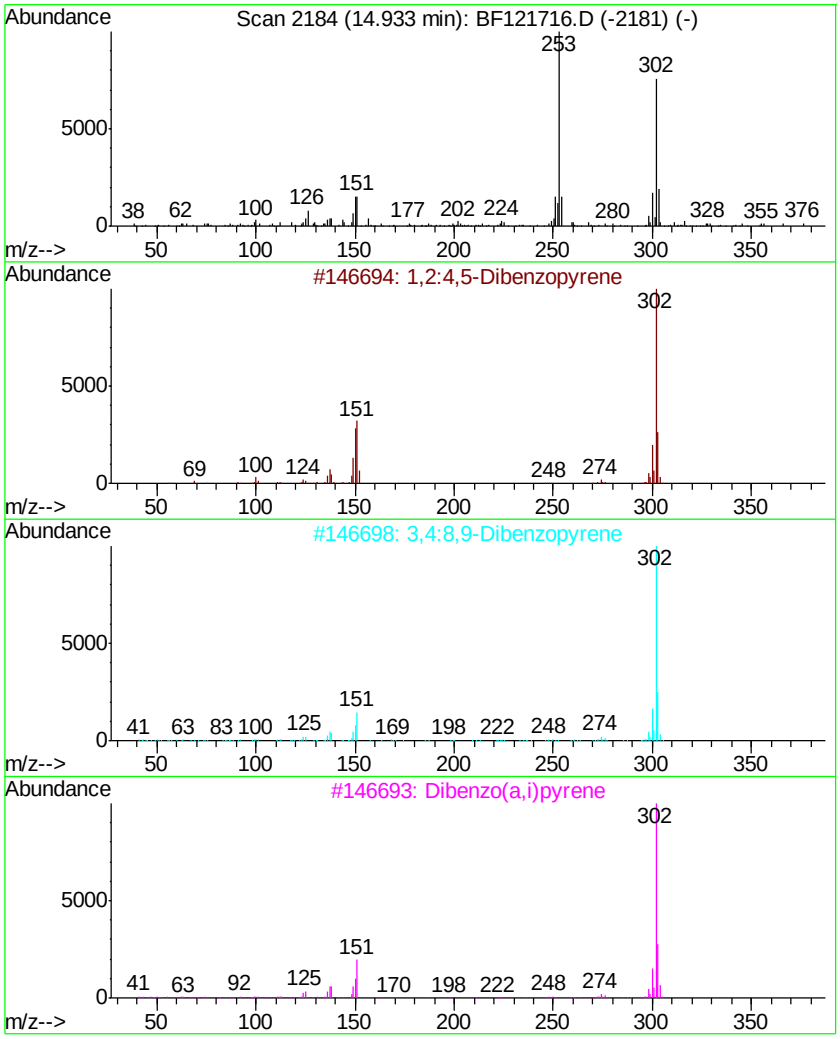
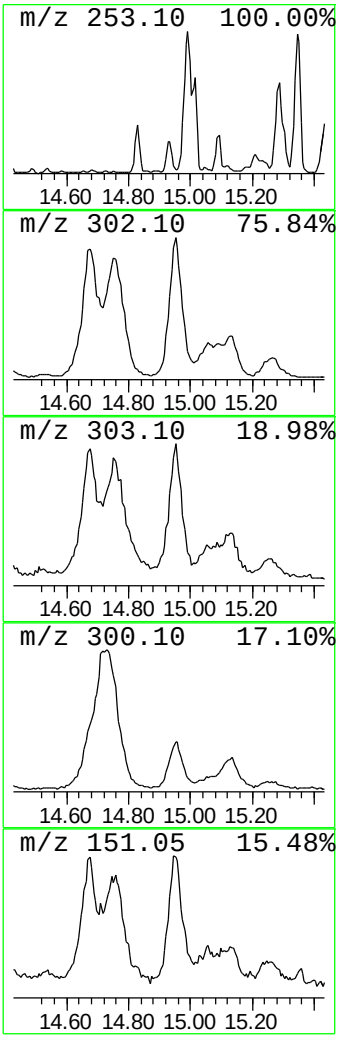
Peak Number 15 1,2:4,5-Dibenzopyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	5.64 ng	303129	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	89
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	84
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	55
5	Benzo[a]anthracene, 5,6-dihydro-...	302	C18H10F4	1000116-65-8	43





Library Search Compound Report

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TIC Integration Parameters: LSCINT.P

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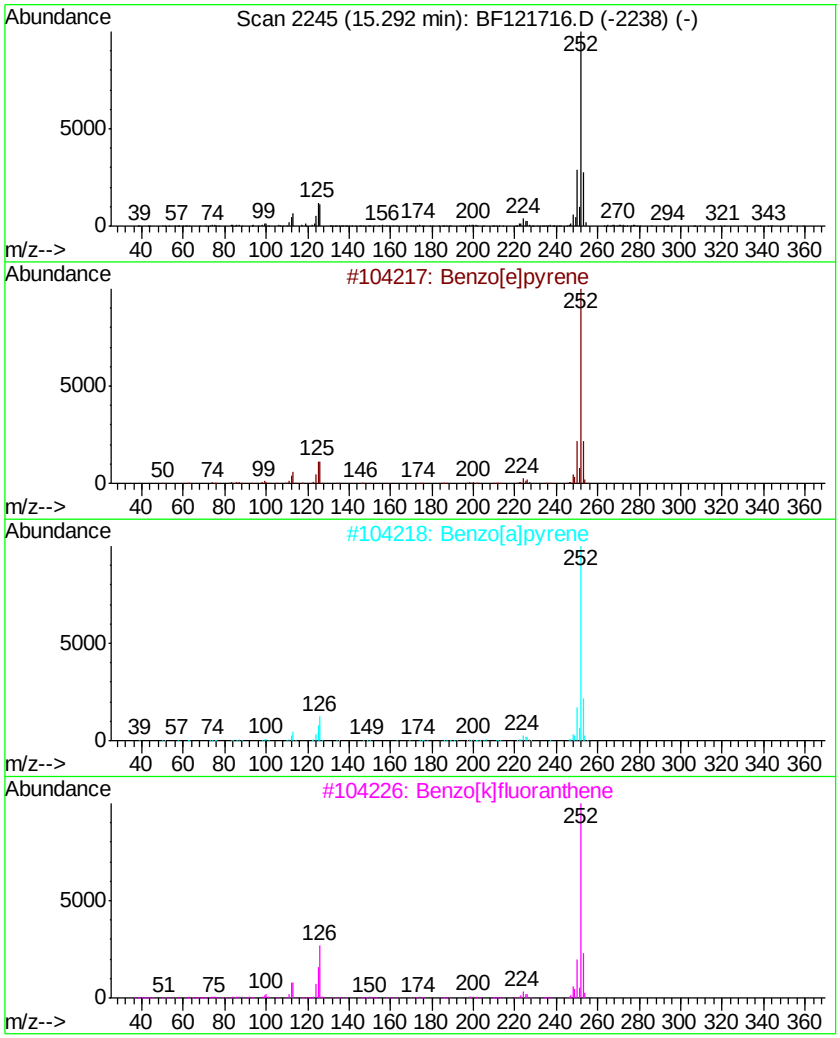
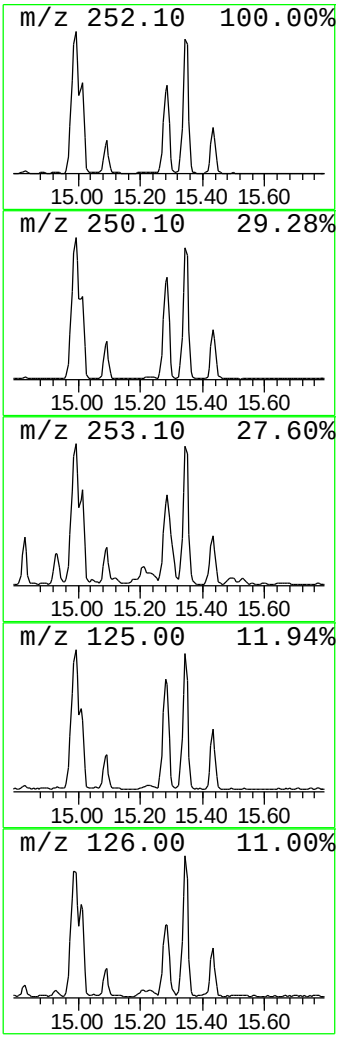
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	29.38 ng	1580060	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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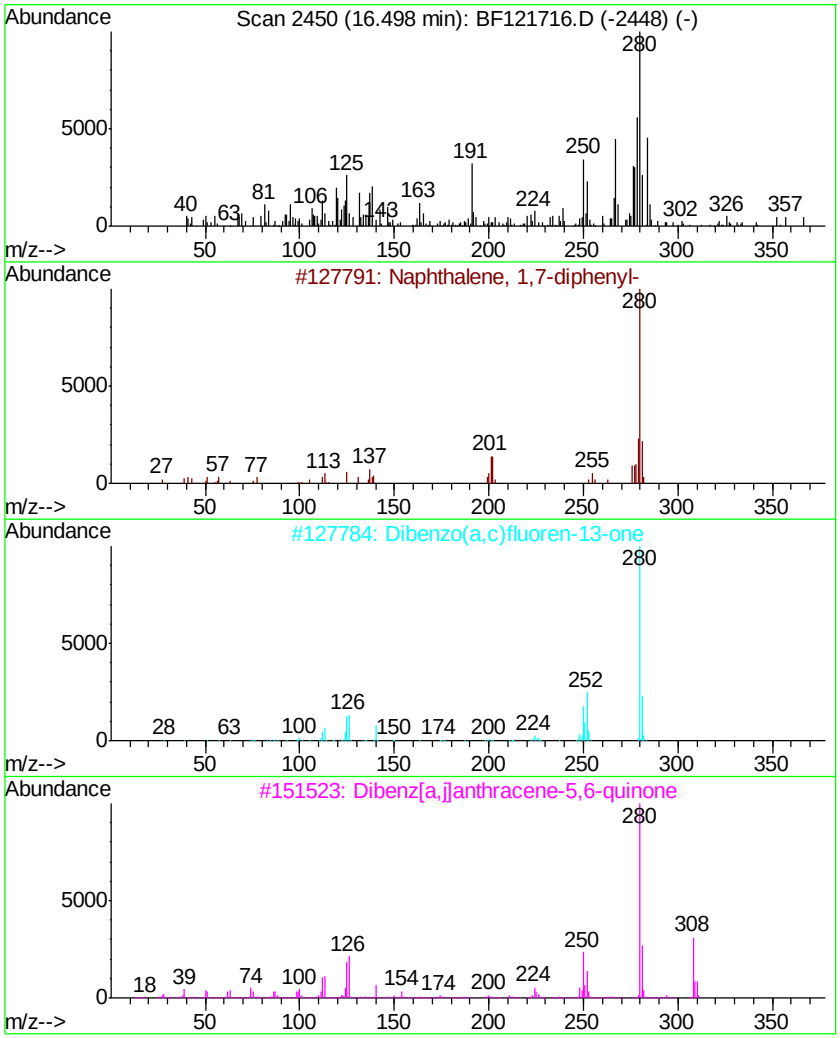
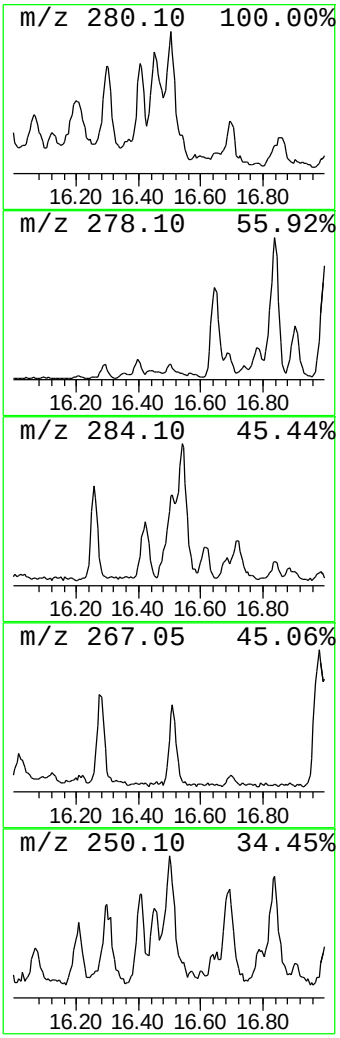
Peak Number 18 unknown16.50 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	6.61 ng	355466	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	30
2	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	30
3	Dibenz[a,j]anthracene-5,6-quinone	308	C22H12O2	052755-66-5	27
4	Dibenzo[a,c]phenazine	280	C20H12N2	000215-64-5	25
5	3,4-Dihydroisoquinoline, 1-[3-me...	281	C18H19NO2	1000126-16-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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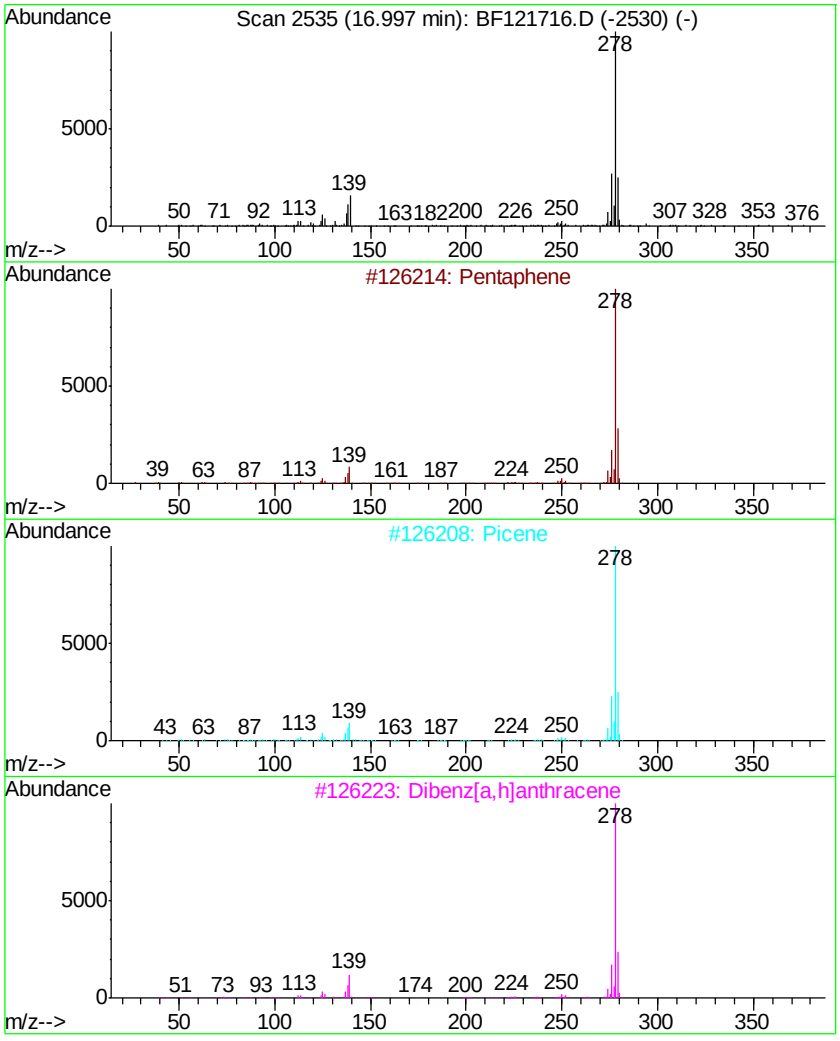
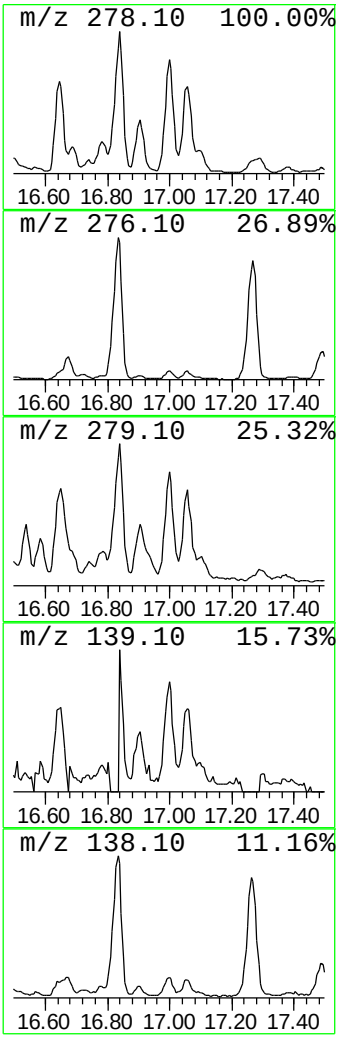
Peak Number 19 Pentaphene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	4.95 ng	266435	Perylene-d12	15.40

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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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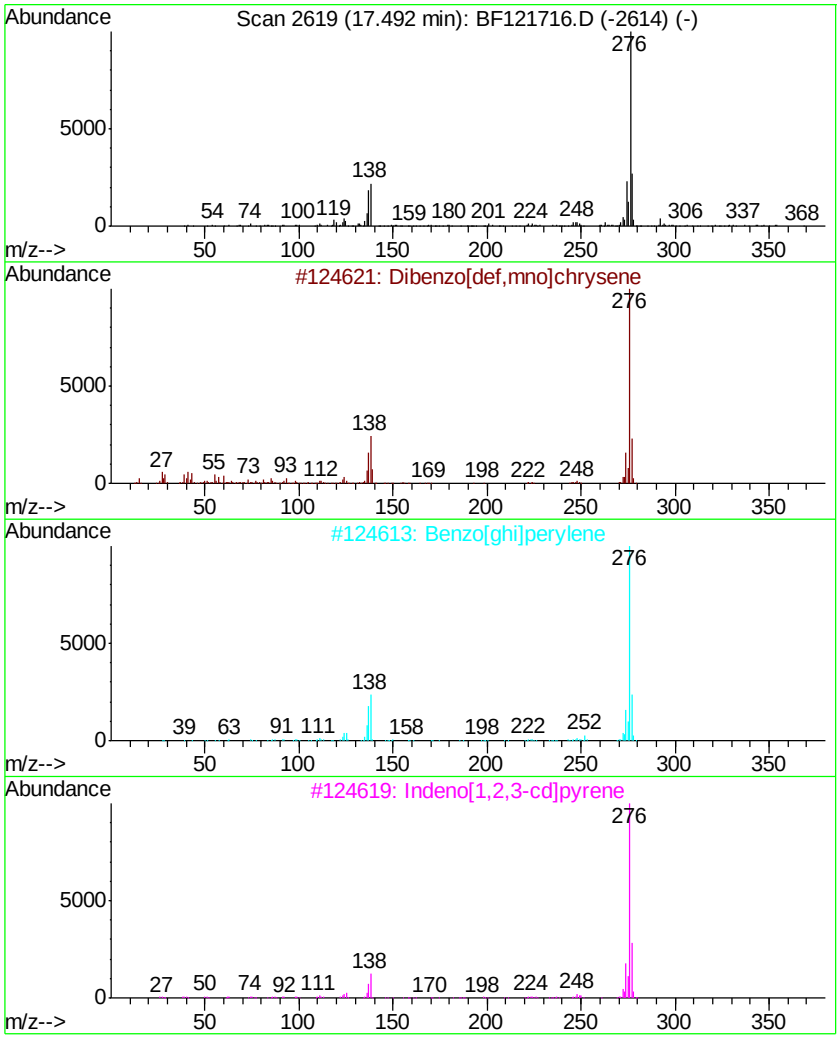
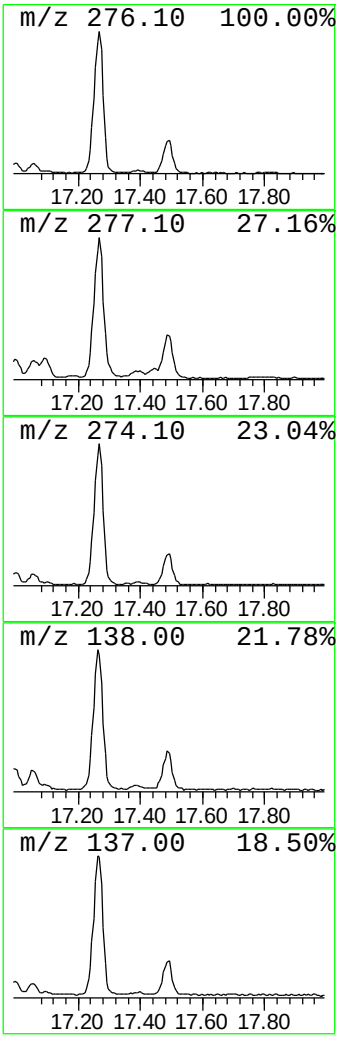
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	4.19 ng	225337	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
Data File : BF121716.D
Acq On : 28 Sep 2020 17:11
Operator : JU/CG
Sample : L4154-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(13-15)

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
9H-Fluorene, 1-me...	10.92	4.0	ng	285041	4	11.32	1425700	20.0
9H-Fluoren-9-one	11.12	5.2	ng	370120	4	11.32	1425700	20.0
Phenanthrene, 2-m...	11.82	10.5	ng	746871	4	11.32	1425700	20.0
1H-Cyclopropa[l]p...	11.84	14.0	ng	999213	4	11.32	1425700	20.0
Anthracene, 2-met...	11.89	5.8	ng	410358	4	11.32	1425700	20.0
Benzaldehyde, 3,5...	11.93	18.3	ng	1305520	4	11.32	1425700	20.0
5H-Dibenzo[a,d]cy...	11.95	5.0	ng	354447	4	11.32	1425700	20.0
1,2,4,8-Tetrameth...	12.11	6.8	ng	483526	4	11.32	1425700	20.0
9,10-Anthracenedione	12.14	4.2	ng	300145	4	11.32	1425700	20.0
Phenanthrene, 2,5...	12.37	7.8	ng	554140	4	11.32	1425700	20.0
unknown12.40	12.40	5.3	ng	380701	4	11.32	1425700	20.0
Cyclopenta(def)ph...	12.46	5.8	ng	412900	4	11.32	1425700	20.0
11H-Benzo[a]fluor...	13.80	5.0	ng	950382	5	13.96	3778500	20.0
1,2:4,5-Dibenzopy...	14.93	5.6	ng	303129	6	15.40	1075710	20.0
Benzo[e]pyrene	15.29	29.4	ng	1580060	6	15.40	1075710	20.0
unknown16.50	16.50	6.6	ng	355466	6	15.40	1075710	20.0
Pentaphene	17.00	5.0	ng	266435	6	15.40	1075710	20.0
Dibenzo[def,mno]c...	17.49	4.2	ng	225337	6	15.40	1075710	20.0