Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

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-BF012020.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	5.457	565	573	576	rBV	3486215	3520515	34.38%	2.437%
2	6.469	740	745	752	rVB	3556548	3597841	35.13%	2.491%
3	6.839	804	808	816	rVB	1840730	1481467	14.47%	1.026%
4	6.998	831	835	838	rBV	3659431	3010451	29.40%	2.084%
5	7.398	896	903	906	rBV	2770771	2393349	23.37%	1.657%
6	8.122	1022	1026	1028	rBV	2186180	1983379	19.37%	1.373%
7	8.145	1028	1030	1033	rVV	2009495	1506837	14.71%	1.043%
8	8.833	1144	1147	1150	rBV	968499	797733	7.79%	0.552%
9	8.933	1161	1164	1168	rVB	738703	592443	5.78%	0.410%
10	9.198	1205	1209	1212	rBV	5068565	4140412	40.43%	2.866%
11	9.298	1219	1226	1229	rBV2	365712	395277	3.86%	0.274%
12	9.392	1240	1242	1247	rVB	155314	177720	1.74%	0.123%
13	9.457	1249	1253	1258	rBV2	328588	495041	4.83%	0.343%
14	9.516	1258	1263	1264	rBV2	121678	132815	1.30%	0.092%
15	9.539	1264	1267	1269	rVV2	503557	542072	5.29%	0.375%
16	9.563	1269	1271	1273	rVV	356682	274174	2.68%	0.190%
17	9.592	1273	1276	1281	rVB	428738	436232	4.26%	0.302%
18	9.651	1281	1286	1291	rBV2	245435	326551	3.19%	0.226%
19	9.739	1297	1301	1306	rVB	749298	667967	6.52%	0.462%
20	9.880	1319	1325	1327	rBV	2440335	2348423	22.93%	1.626%
21	9.910	1327	1330	1333	rVV	2008708	1635760	15.97%	1.132%
22	9.980	1338	1342	1346	rBV2	94747	144660	1.41%	0.100%
23	10.033	1346	1351	1356	rVV3	182526	239136	2.34%	0.166%
24	10.080	1356	1359	1363	rVB	1642485	1327068	12.96%	0.919%
25	10.122	1363	1366	1368	rBV	201519	157194	1.53%	0.109%
26	10.198	1375	1379	1381	rBV2	216786	223418	2.18%	0.155%
27	10.222	1381	1383	1387	rVB2	184038	152173	1.49%	0.105%
28	10.286	1390	1394	1396	rBV3	181130	244972	2.39%	0.170%
29	10.427	1414	1418	1423	rVB	2112335	1940108	18.94%	1.343%
30	10.492	1423	1429	1430	rBV2	290647	379343	3.70%	0.263%
31	10.510	1430	1432	1435	rVV2	354120	331021	3.23%	0.229%
32	10.539	1435	1437	1439	rVV	214311	210422	2.05%	0.146%
33	10.580	1442	1444	1450	rVV	570142	527282	5.15%	0.365%
34	10.663	1454	1458	1462	rVV	3633013	3421530	33.41%	2.369%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.710	1462	1466	1470	rVB3	133666	217622	2.12%	0.151%
36	10.786	1476	1479	1487	rVB3	258675	399394	3.90%	0.276%
37	10.974	1504	1511	1513	rBV3	454285	620492	6.06%	0.430%
38	11.004	1513	1516	1519	rVV2	232747	269025	2.63%	0.186%
39	11.057	1522	1525	1528	rVV3	237799	221776	2.17%	0.154%
40	11.104	1528	1533	1535	rVV3	288297	382373	3.73%	0.265%
41	11.127	1535	1537	1539	rVV	320673	300003	2.93%	0.208%
42	11.169	1541	1544	1548	rVB2	257739	285291	2.79%	0.197%
43	11.216	1548	1552	1557	rBV4	346639	622727	6.08%	0.431%
44	11.263	1557	1560	1565	rVB	661633	717434	7.01%	0.497%
45	11.368	1574	1578	1579	rBV	1868253	1963363	19.17%	1.359%
46	11.392	1579	1582	1585	rVV	7956716	8308529	81.13%	5.752%
47	11.439	1585	1590	1593	rVV	3358895	3132023	30.58%	2.168%
48	11.468	1593	1595	1599	rVV2	509665	506447	4.95%	0.351%
49	11.592	1610	1616	1618	rBV	1204171	1227854	11.99%	0.850%
50	11.616	1618	1620	1623	rVV	160310	181673	1.77%	0.126%
51	11.663	1625	1628	1630	rVB2	296055	269848	2.63%	0.187%
52	11.774	1645	1647	1652	rVB2	135508	145931	1.42%	0.101%
53	11.868	1659	1663	1665	rBV	1196134	1110557	10.84%	0.769%
54	11.892	1665	1667	1672	rVB	2159240	2042760	19.95%	1.414%
55	11.939	1672	1675	1678	rBV	827056	770092	7.52%	0.533%
56	11.980	1678	1682	1684	rBV	2240067	2393020	23.37%	1.657%
57	12.004	1684	1686	1690	rVB	833549	678000	6.62%	0.469%
58	12.039	1690	1692	1695	rBV3	136000	161275	1.57%	0.112%
59	12.068	1695	1697	1700	rVB	220567	164097	1.60%	0.114%
60	12.163	1709	1713	1715	rBV	973024	877810	8.57%	0.608%
61	12.186	1715	1717	1722	rVB2	374771	303908	2.97%	0.210%
62	12.310	1733	1738	1741	rBV2	485586	611882	5.97%	0.424%
63	12.345	1741	1744	1745	rBV	252750	211903	2.07%	0.147%
64	12.415	1753	1756	1759	rBV	691040	752124	7.34%	0.521%
65	12.457	1760	1763	1765	rVV	520008	540644	5.28%	0.374%
66	12.504	1768	1771	1776	rVB2	512977	621724	6.07%	0.430%
67	12.586	1780	1785	1788	rBV	8079992	8774870	85.68%	6.074%
68	12.627	1788	1792	1793	rBV	276149	234139	2.29%	0.162%
69	12.674	1797	1800	1803	rBV	541471	518402	5.06%	0.359%
70	12.727	1807	1809	1814	rVB3	290957	312635	3.05%	0.216%
71	12.815	1817	1824	1829	rBV2	7448628	10241125	100.00%	7.089%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.857	1829	1831	1836	rVB2	501318	643331	6.28%	0.445%
73	12.927	1840	1843	1844	rBV	698418	619173	6.05%	0.429%
74	12.951	1844	1847	1854	rVB2	4099668	4277900	41.77%	2.961%
75	13.027	1855	1860	1863	rBV2	818810	1314941	12.84%	0.910%
76	13.139	1876	1879	1881	rVB	1733556	1679619	16.40%	1.163%
77	13.204	1887	1890	1892	rVB2	1496009	1179972	11.52%	0.817%
78	13.239	1892	1896	1899	rBV2	1235316	1261953	12.32%	0.874%
79	13.298	1904	1906	1909	rBV2	252345	291077	2.84%	0.201%
80	13.333	1909	1912	1915	rVV	735578	548865	5.36%	0.380%
81	13.362	1915	1917	1921	rVV2	677155	571832	5.58%	0.396%
82	13.757	1981	1984	1986	rBV3	468294	512390	5.00%	0.355%
83	13.786	1986	1989	1991	rVV	835014	751688	7.34%	0.520%
84	13.810	1991	1993	1997	rVV2	857075	1058205	10.33%	0.733%
85	13.851	1998	2000	2005	rVB2	768735	816079	7.97%	0.565%
86	14.004	2021	2026	2029	rBV3	5122392	7071496	69.05%	4.895%
87	14.039	2029	2032	2037	rVB	4360345	4358202	42.56%	3.017%
88	14.115	2043	2045	2047	rBV	752466	491083	4.80%	0.340%
89	14.227	2061	2064	2068	rBV2	611925	697402	6.81%	0.483%
90	14.392	2090	2092	2095	rVB	950307	892243	8.71%	0.618%
91	14.427	2096	2098	2101	rVB	598813	549042	5.36%	0.380%
92	14.521	2111	2114	2115	rBV2	578722	538046	5.25%	0.372%
93	15.056	2200	2205	2208	rBV	3620339	6371928	62.22%	4.411%
94	15.156	2219	2222	2226	rVB	956735	1013513	9.90%	0.702%
95	15.356	2252	2256	2261	rVB	2352756	3297101	32.19%	2.282%
96	15.421	2262	2267	2272	rVV	3361200	4409460	43.06%	3.052%
97	15.480	2273	2277	2279	rVV	1481262	2016049	19.69%	1.396%
98	15.509	2279	2282	2288	rVB2	1260458	1697110	16.57%	1.175%
99	16.945	2520	2526	2534	rVB2	1350349	2683882	26.21%	1.858%
100	17.386	2595	2601	2610	rVB	951468	1994040	19.47%	1.380%

Sum of corrected areas: 144455180

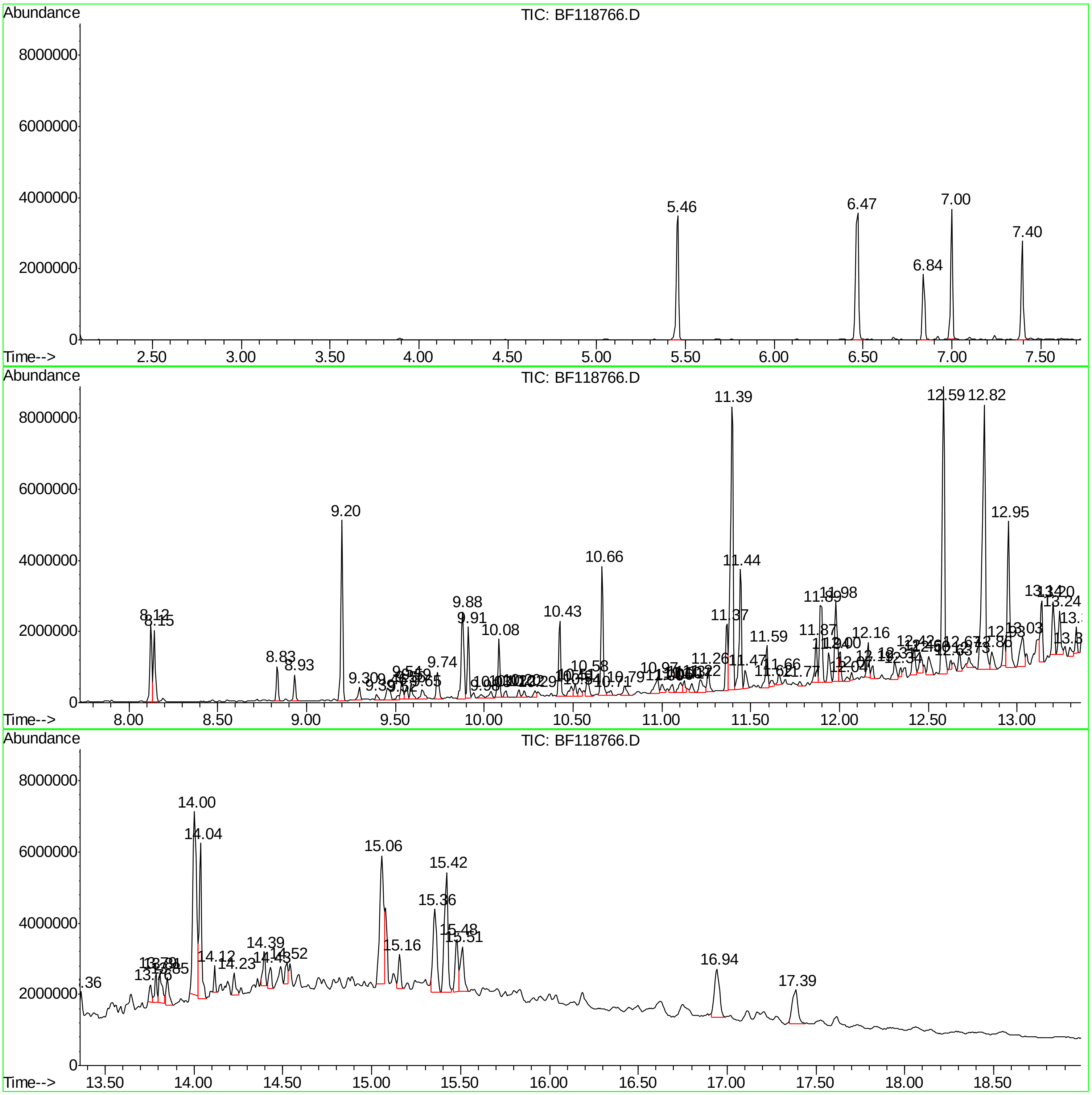
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE



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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On    : 30 Jan 2020  22:03
Operator  : CG/JU
Sample    : L1307-01
Misc      :
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

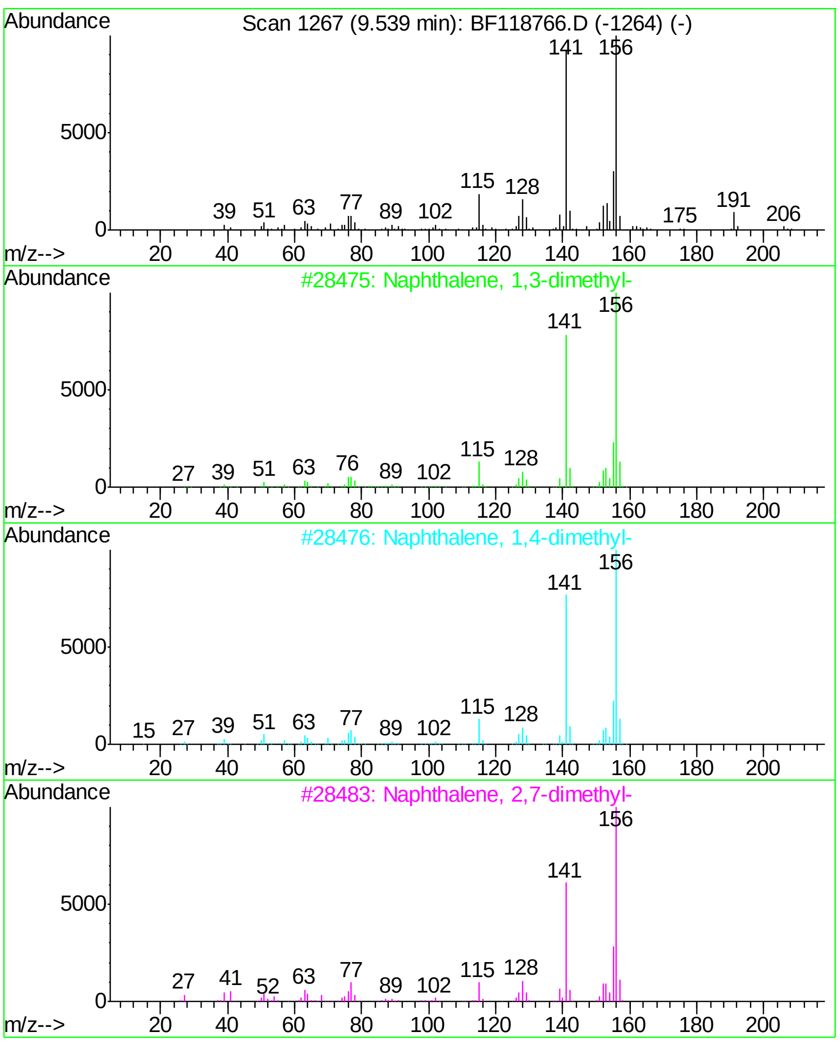
TIC Library    : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P
```

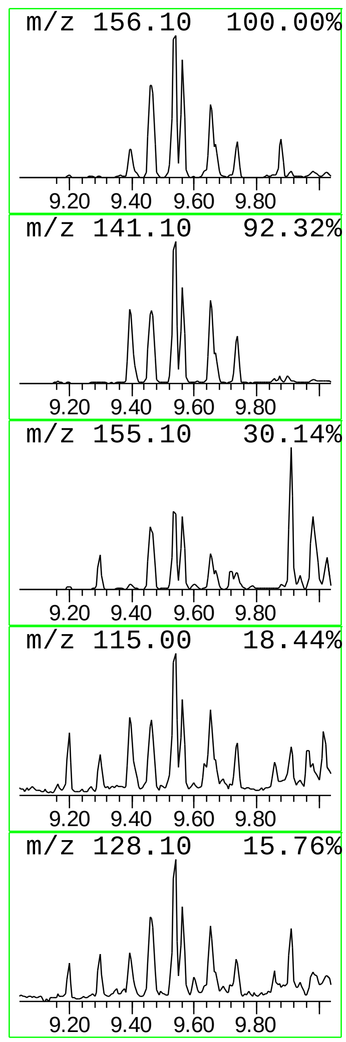
Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

```
*********************************************************************
Peak Number  2  Naphthalene, 1,3-dimethyl-      Concentration Rank 19

  R.T.    EstConc           Area       Relative to ISTD        R.T.
---------------------------------------------------------------------
  9.54     4.62 ng         542072    Acenaphthene-d10           9.88

 Hit# of  5    Tentative ID                MW  MolForm        CAS#       Qual
---------------------------------------------------------------------
 1 Naphthalene, 1,3-dimethyl-            156 C12H12         000575-41-7 93
 2 Naphthalene, 1,4-dimethyl-            156 C12H12         000571-58-4 93
 3 Naphthalene, 2,7-dimethyl-            156 C12H12         000582-16-1 93
 4 Naphthalene, 2,3-dimethyl-            156 C12H12         000581-40-8 93
 5 Naphthalene, 1,6-dimethyl-            156 C12H12         000575-43-9 93
```





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

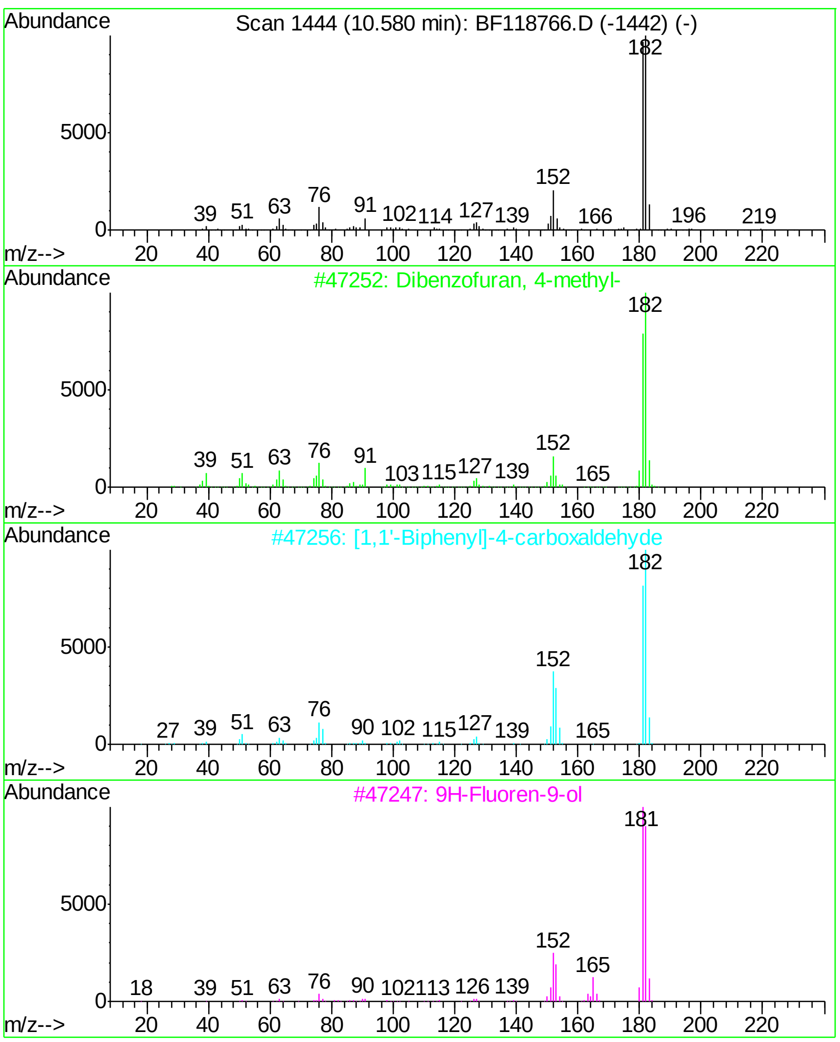
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

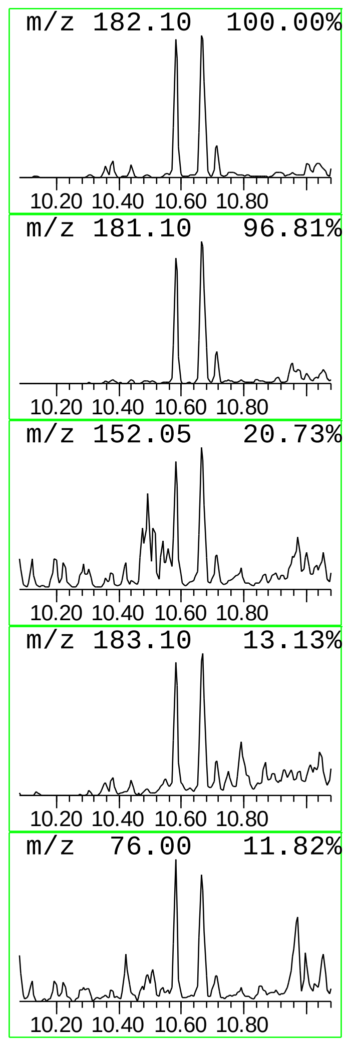
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	4.49 ng	527282	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	60
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

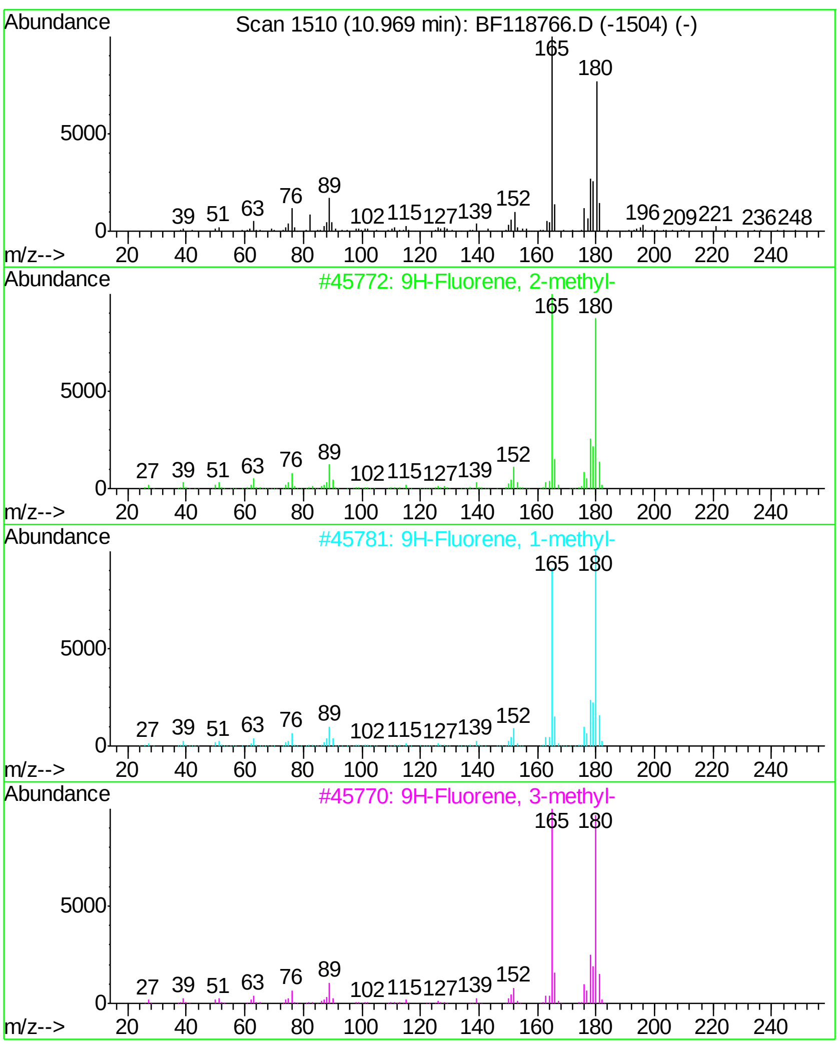
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

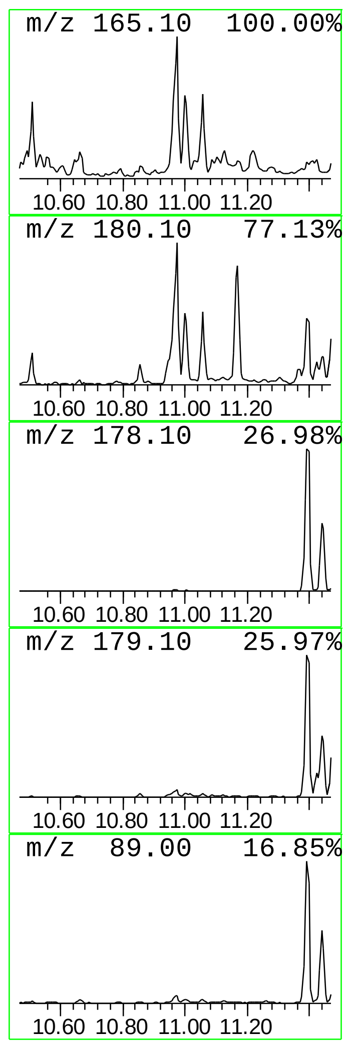
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	6.32 ng	620492	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74
5	2-Benzothiazolamine, 6-methoxy-	180	C8H8N2OS	001747-60-0	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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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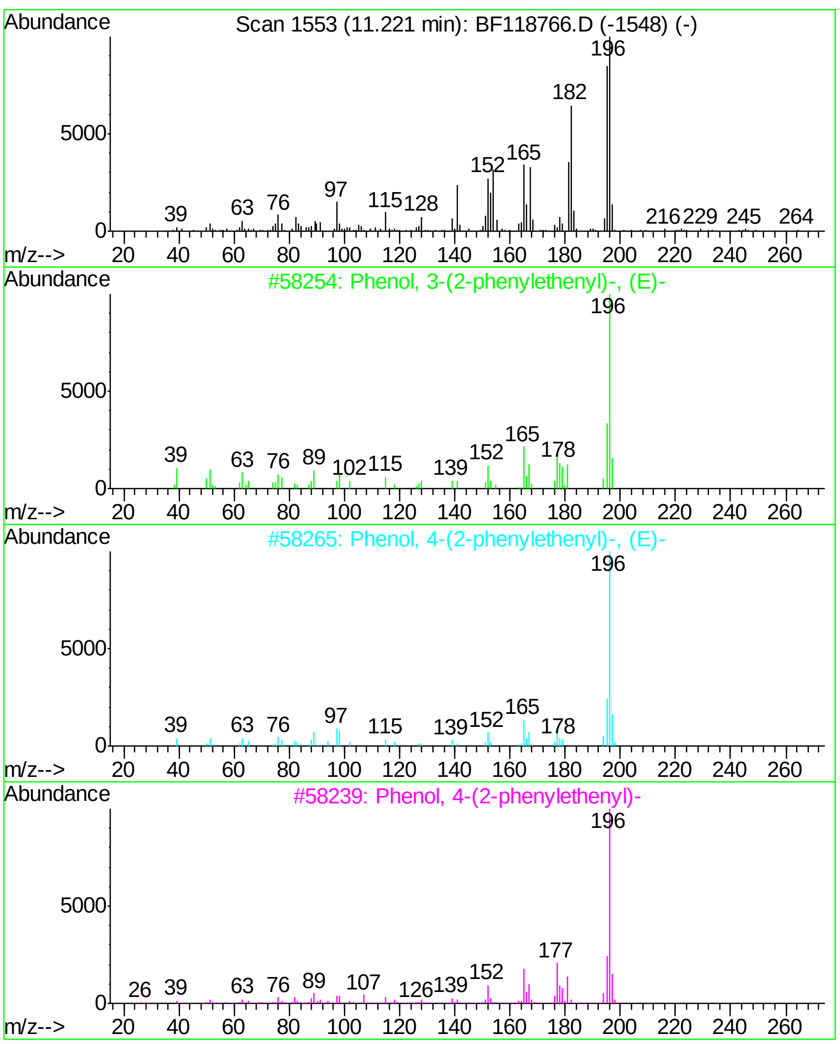
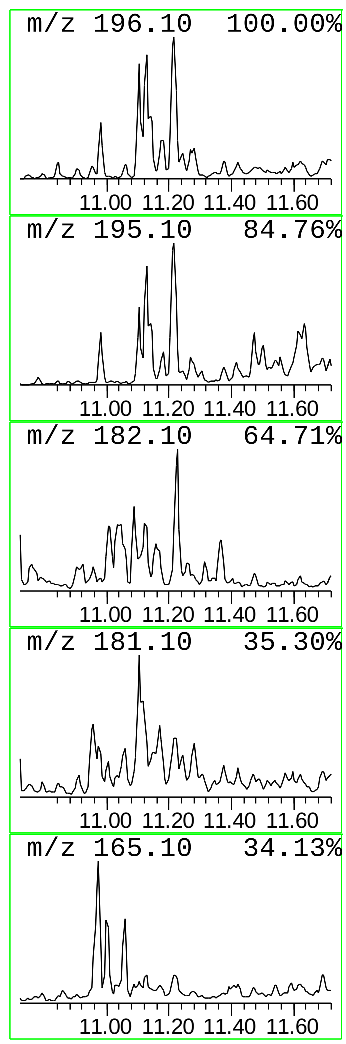
Peak Number 5 Phenol, 3-(2-phenylethenyl)... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	6.34 ng	622727	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
5	Carbonic acid, 2,2,2-trichloroet...	370	C9H4Cl6O3	1000325-65-7	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

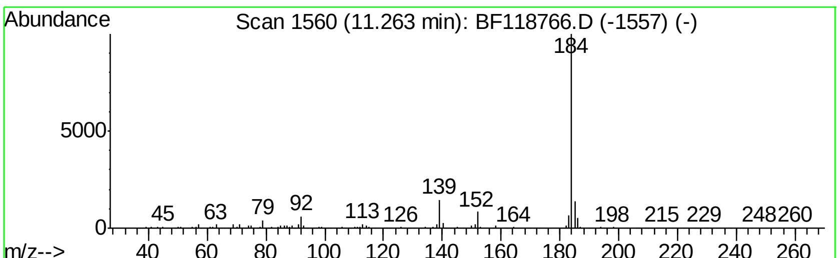
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

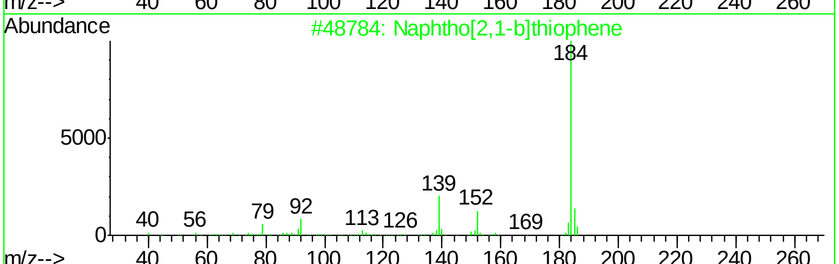
****

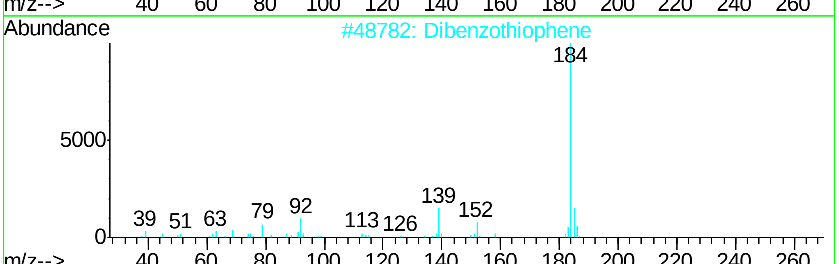
Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 10

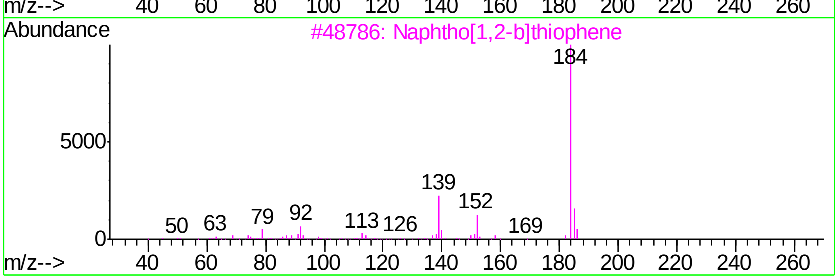
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	7.31 ng	717434	Phenanthrene-d10	11.37

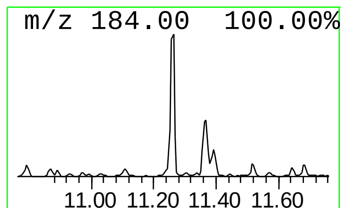
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90

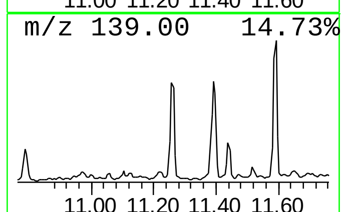


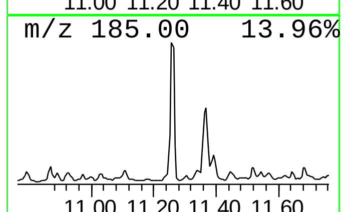


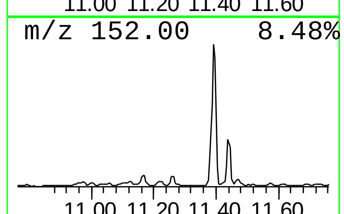


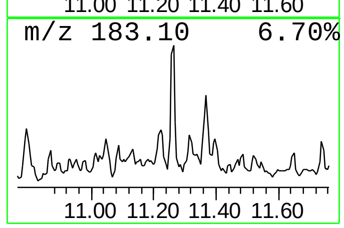












Library Search Compound Report

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Acq On : 30 Jan 2020 22:03
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Sample : L1307-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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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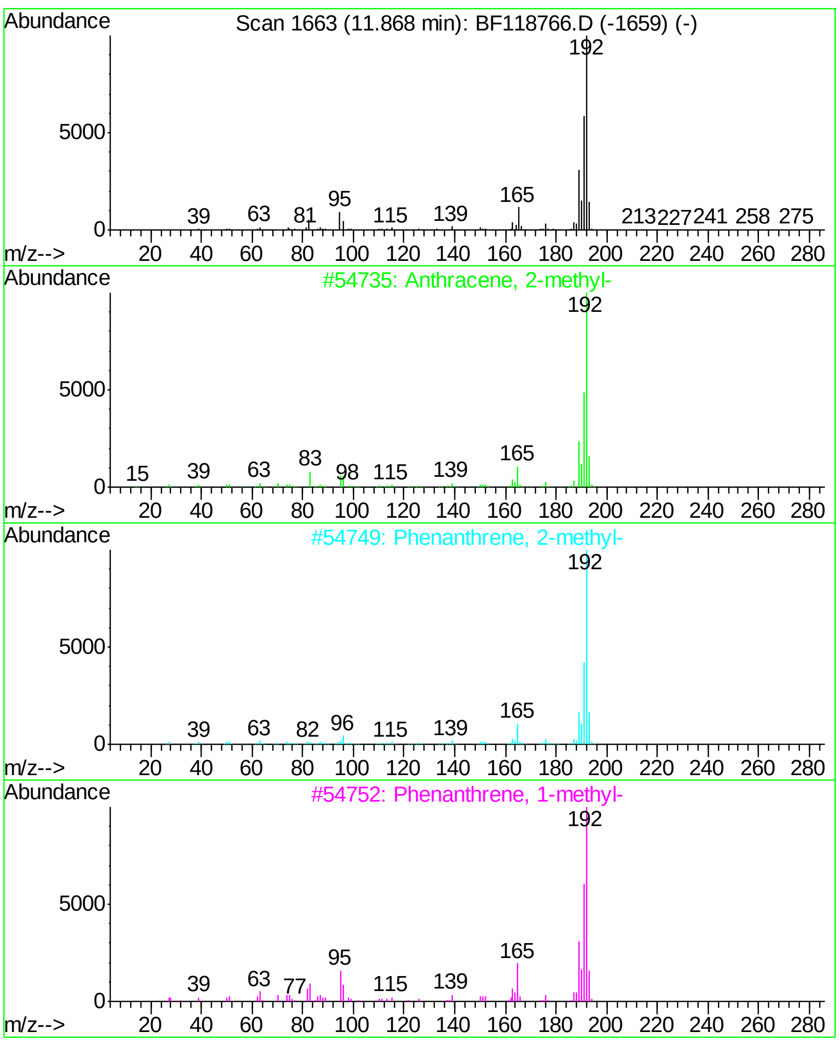
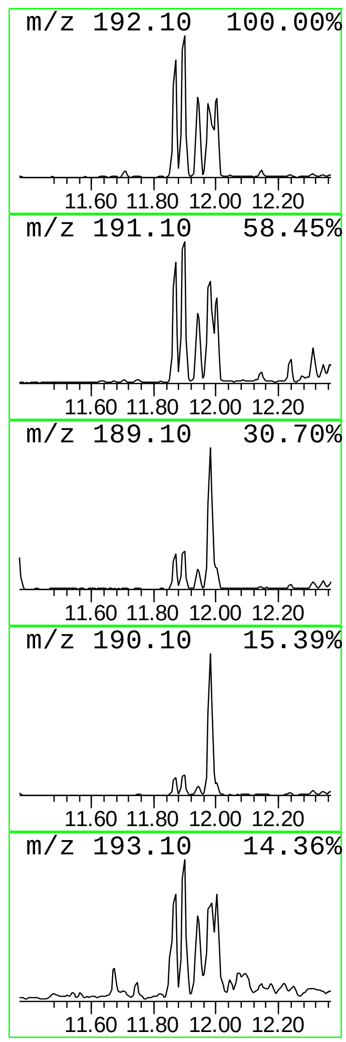
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	11.31 ng	1110560	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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ClientSampleId : SP-NORTH-SIDE

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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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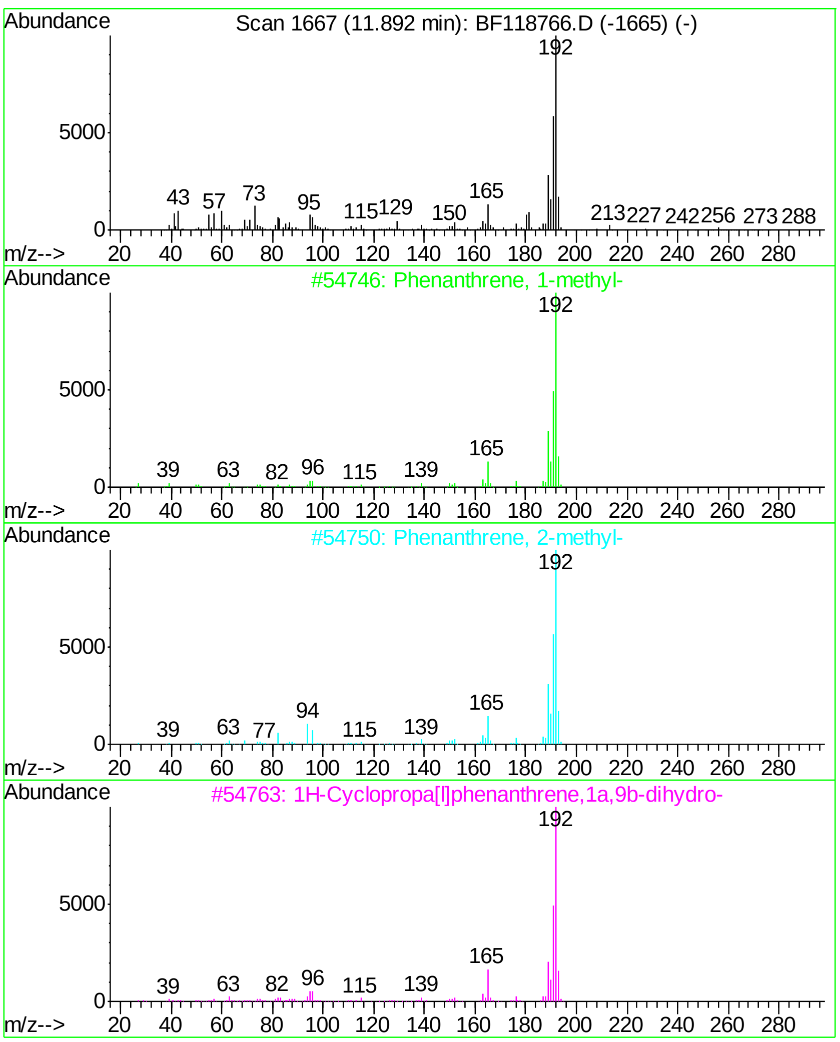
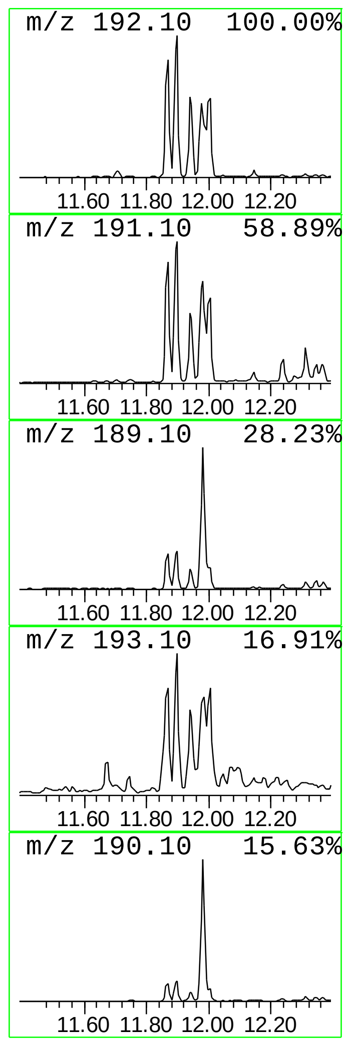
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	20.81 ng	2042760	Phenanthrene-d10	11.37

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





Library Search Compound Report

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Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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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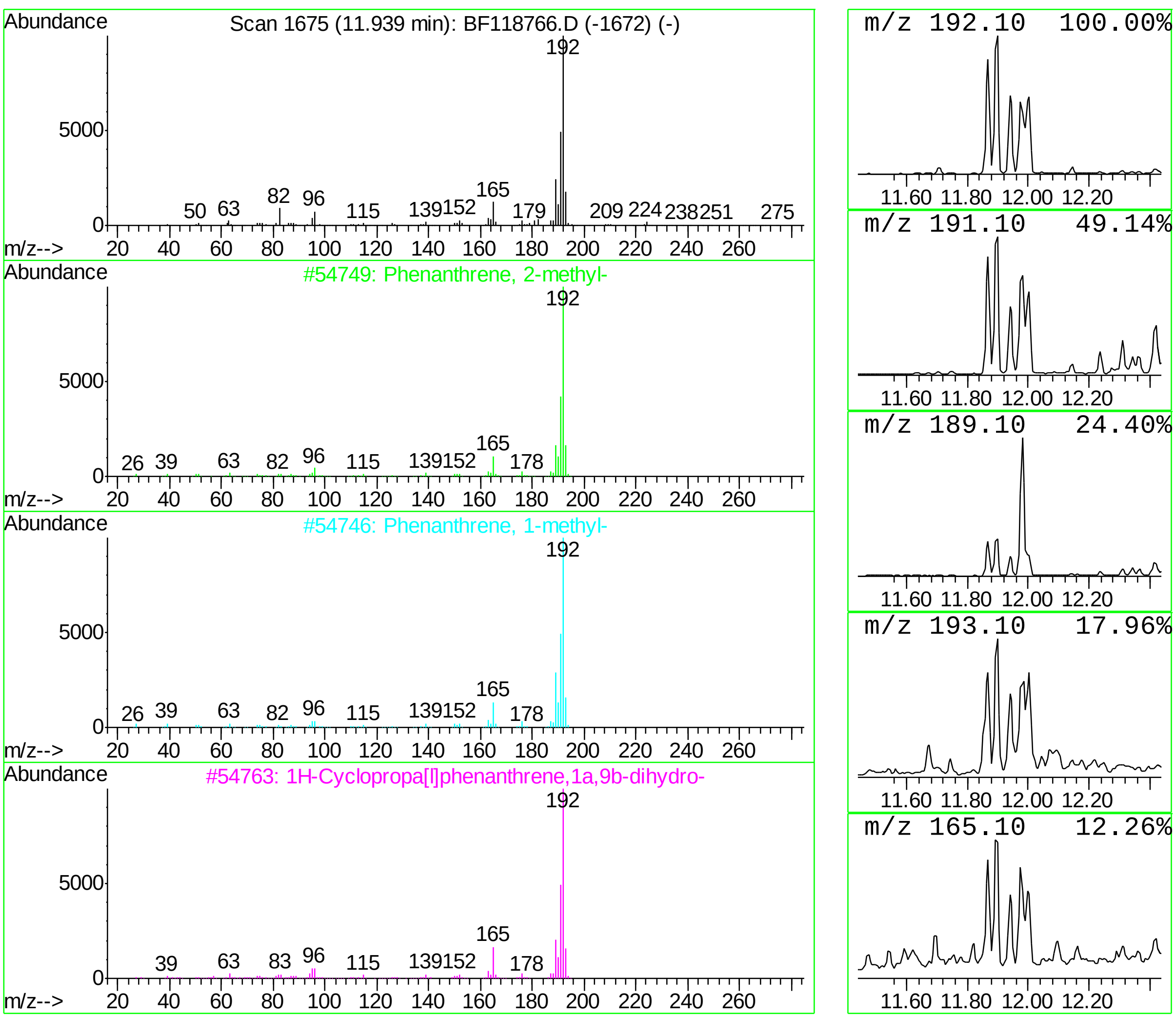
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.84 ng	770092	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

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Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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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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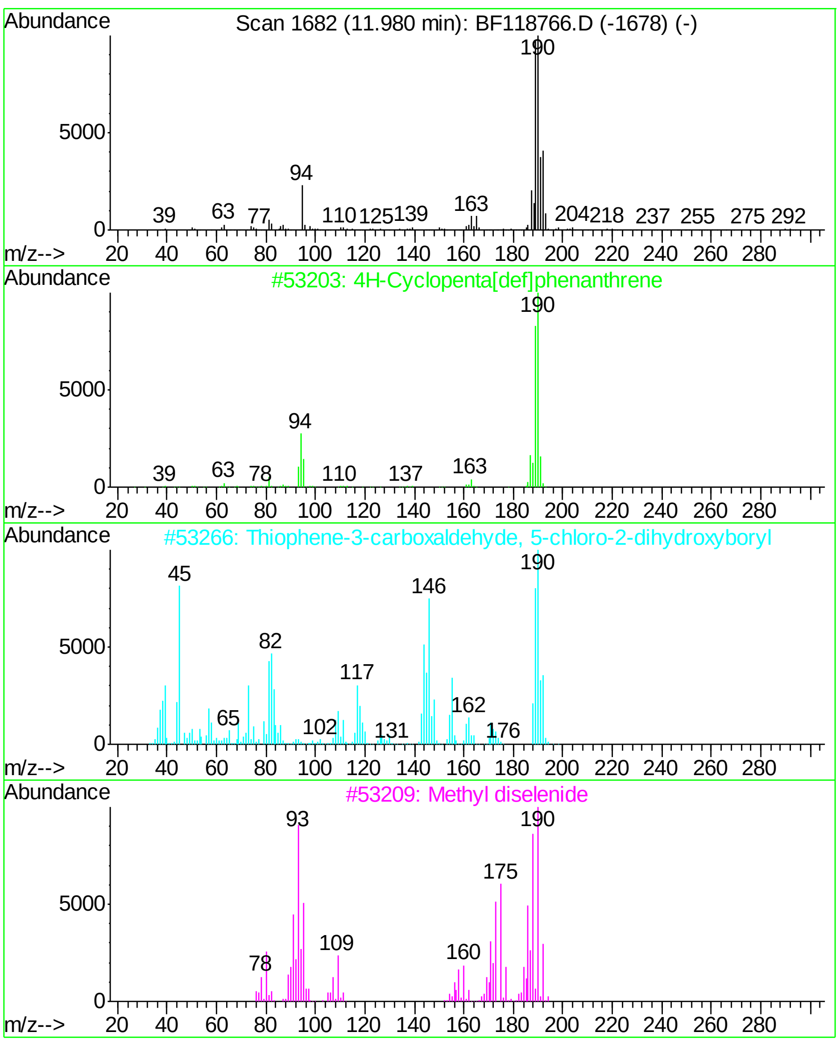
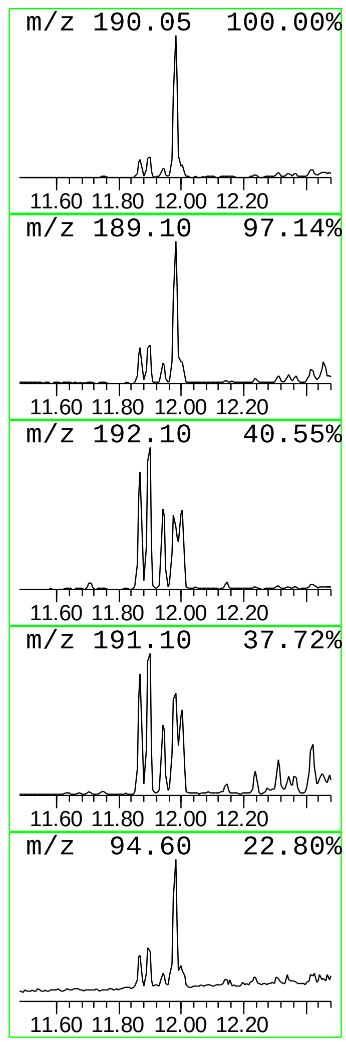
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	24.38 ng	2393020	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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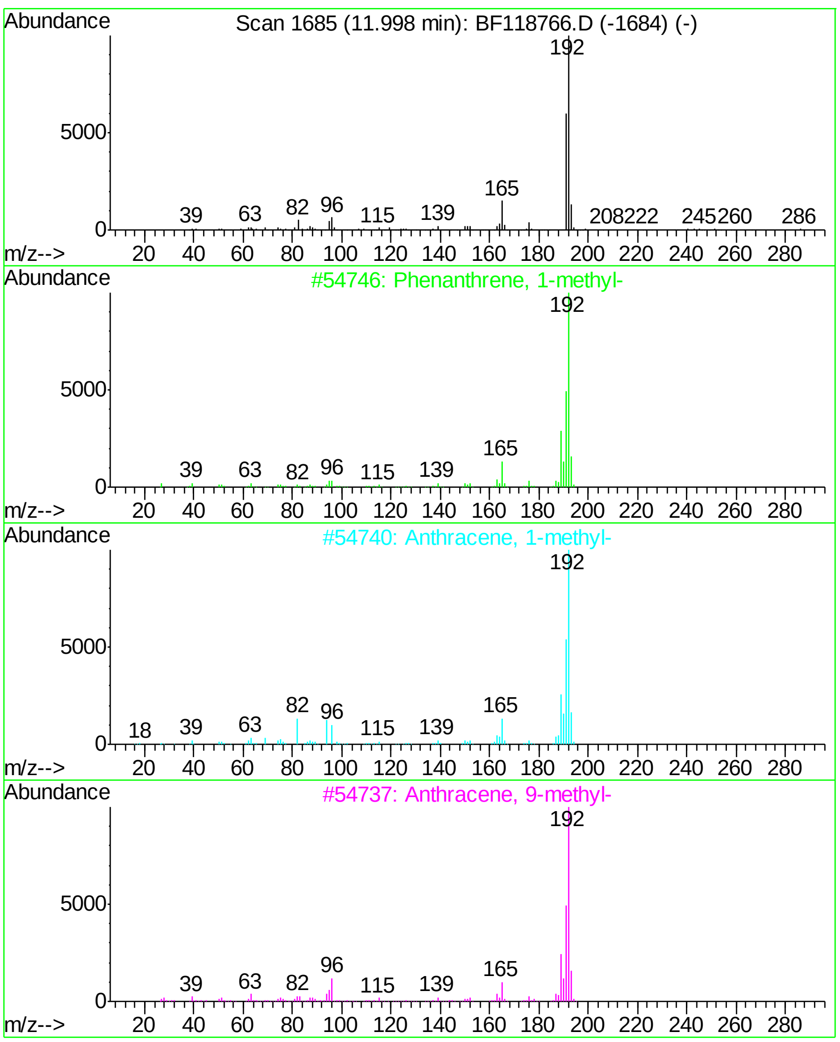
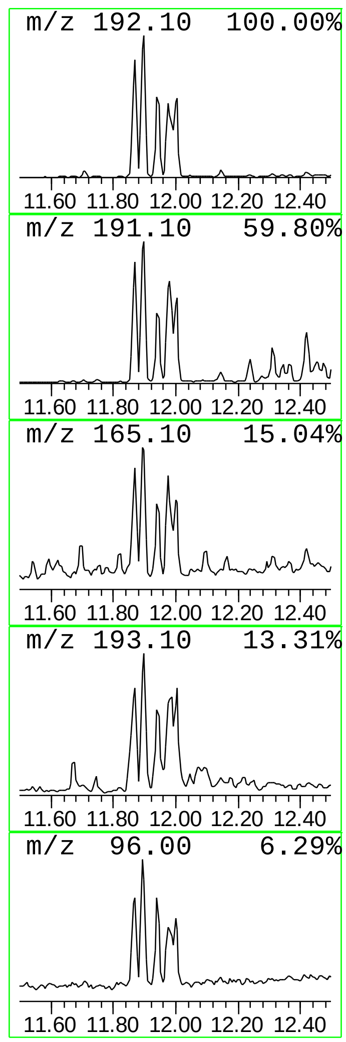
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.91 ng	678000	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86





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Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

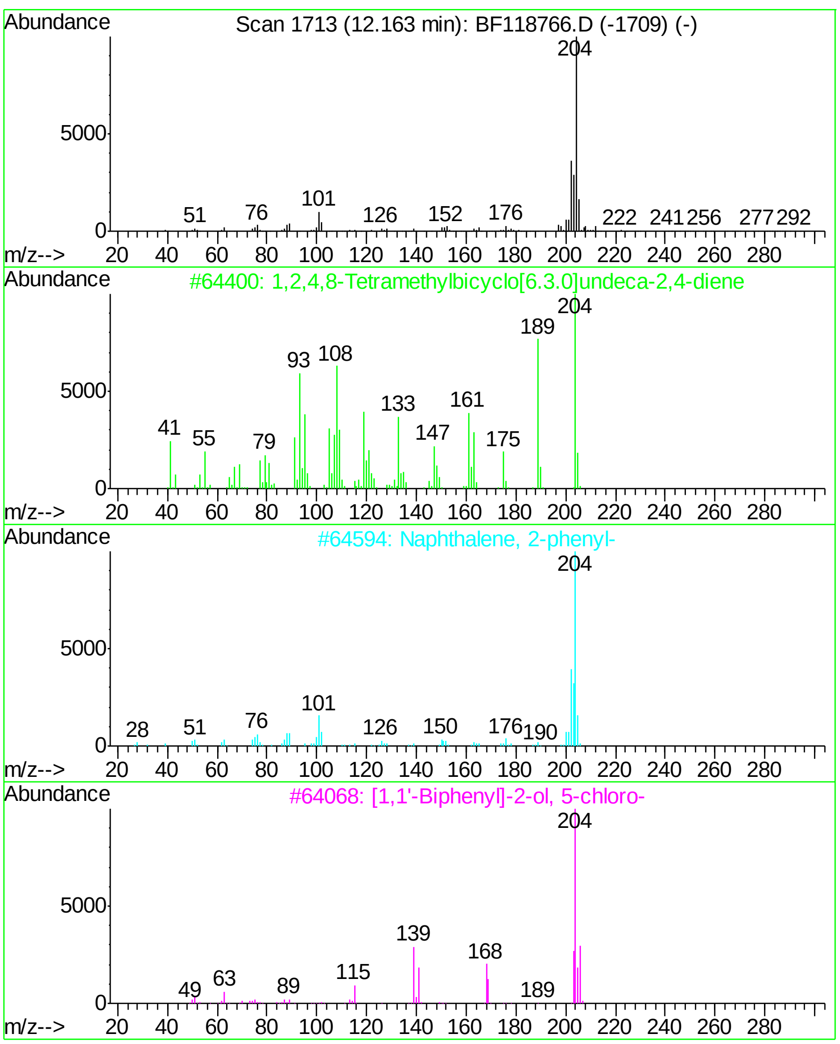
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

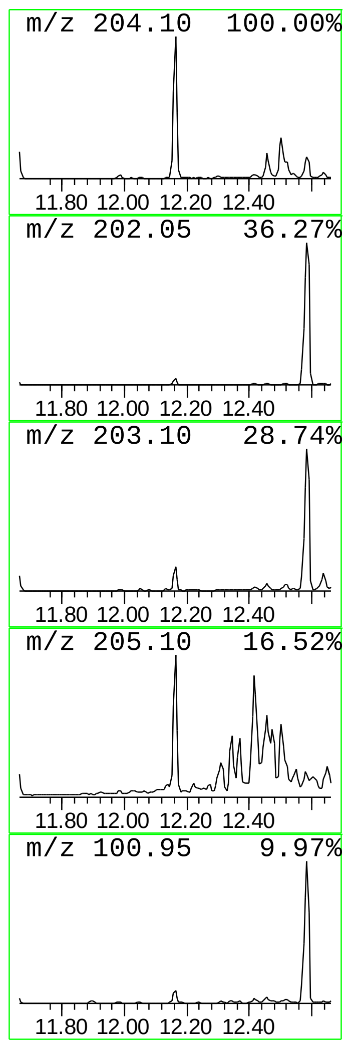
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	8.94 ng	877810	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





Library Search Compound Report

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

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Misc      :
ALS Vial  : 19   Sample Multiplier: 1

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Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

**********************************************************************
Peak Number 13  Anthracene, 2-ethyl-          Concentration Rank 15
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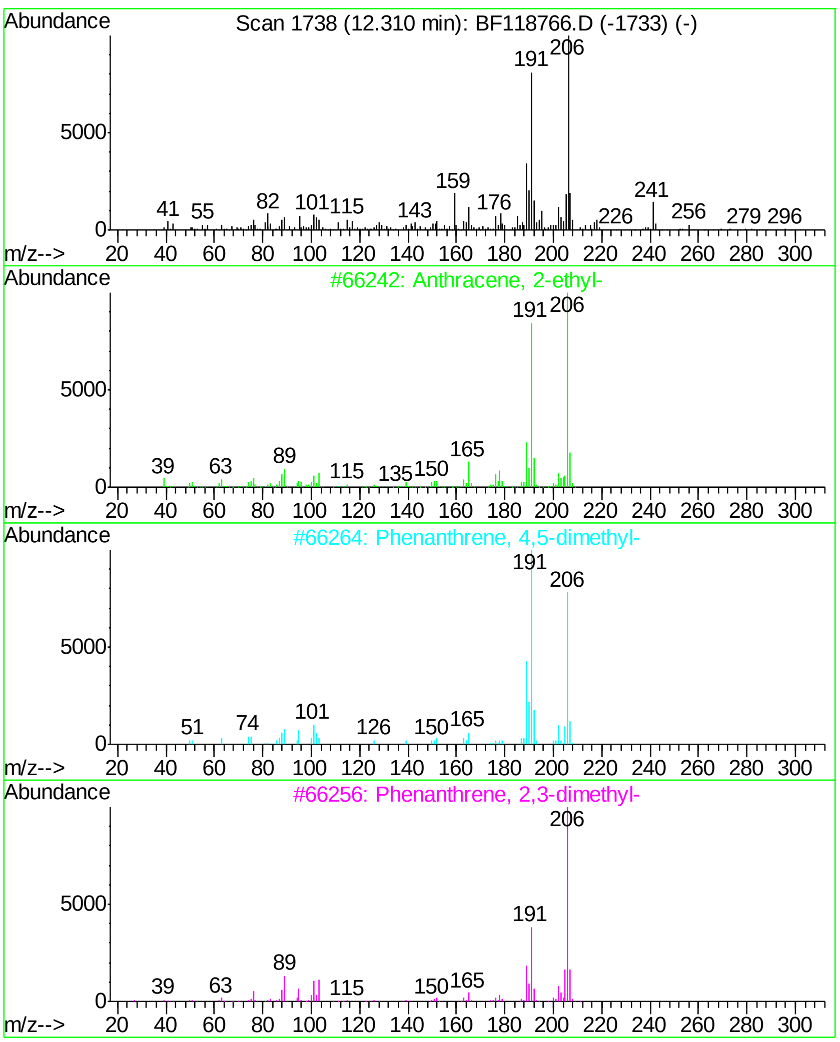
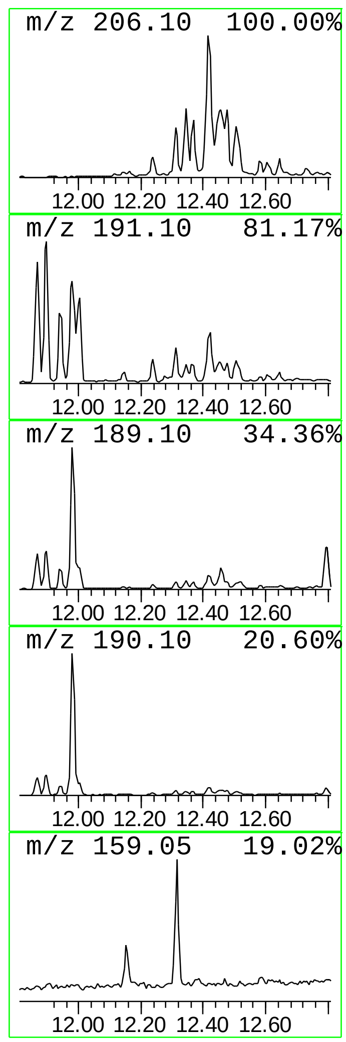
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	6.23 ng	611882	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





Library Search Compound Report

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Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

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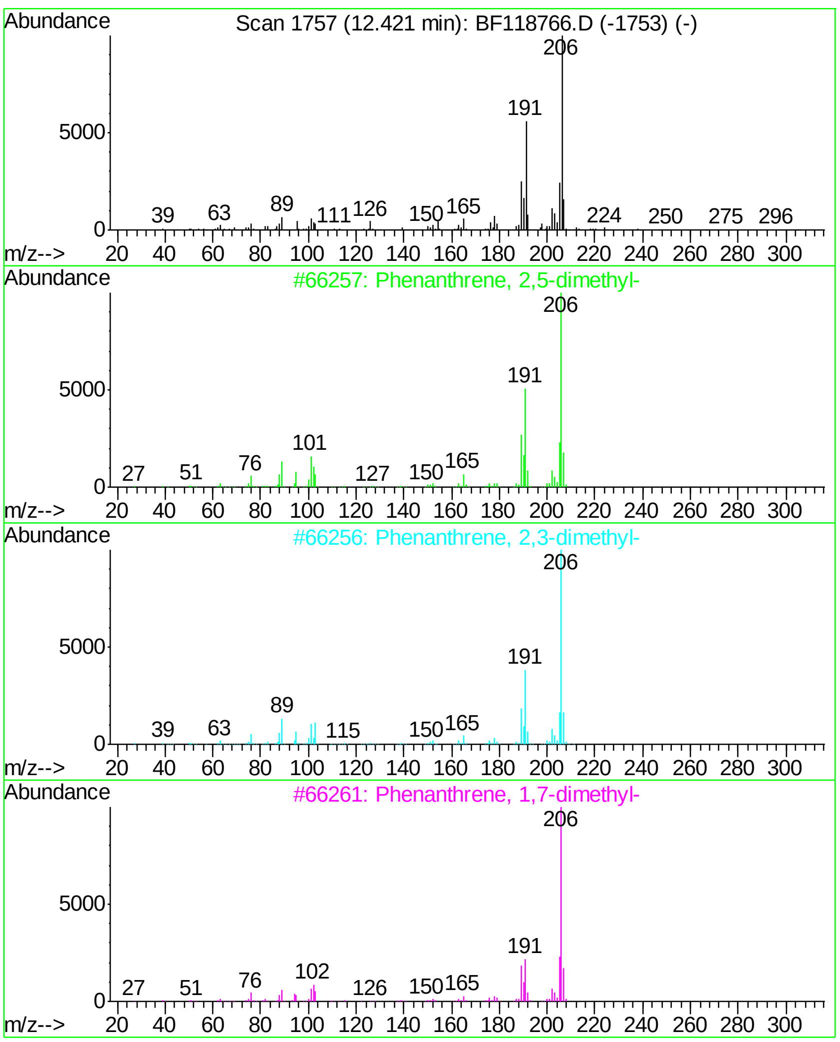
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

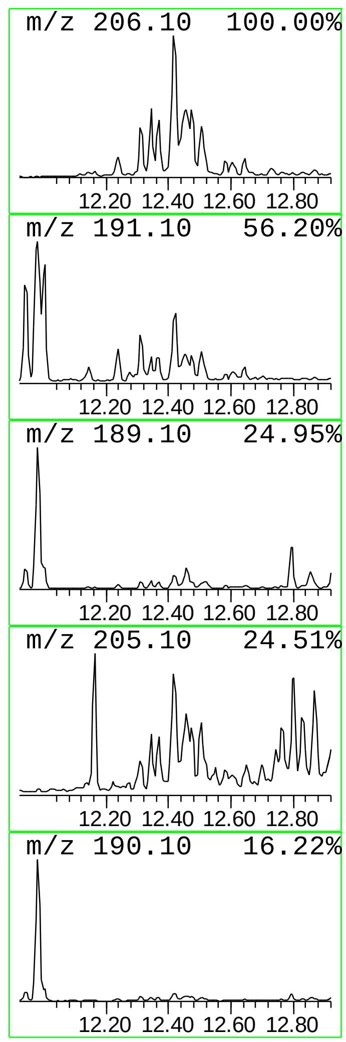
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.66 ng	752124	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

****
Peak Number 15 unknown12.46 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.51 ng	540644	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	38
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35
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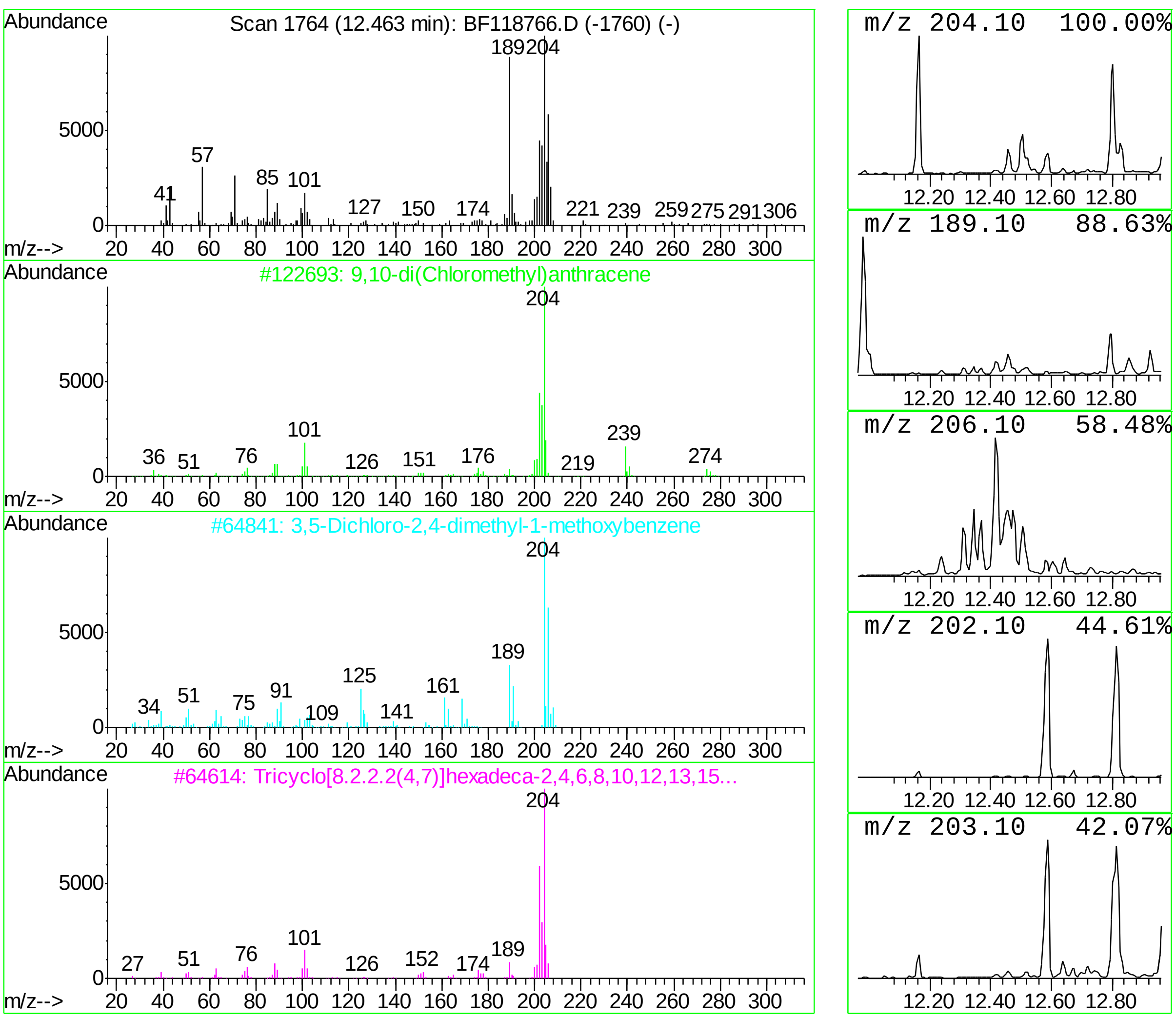

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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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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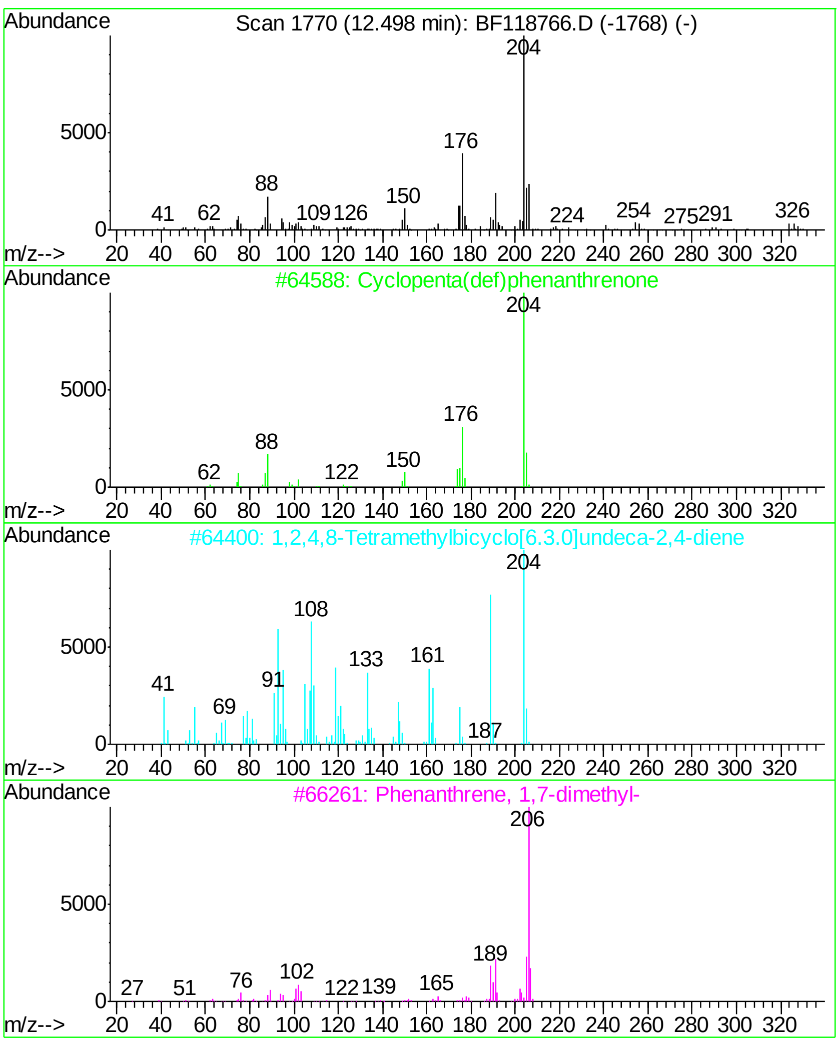
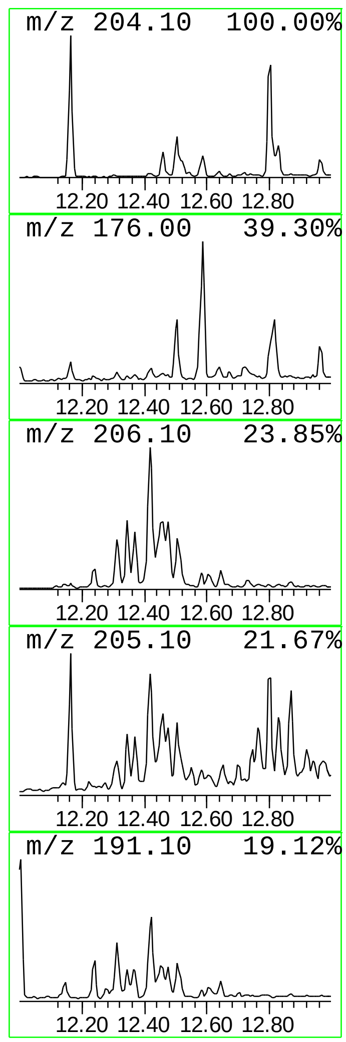
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	6.33 ng	621724	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





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TIC Library   : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P
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Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

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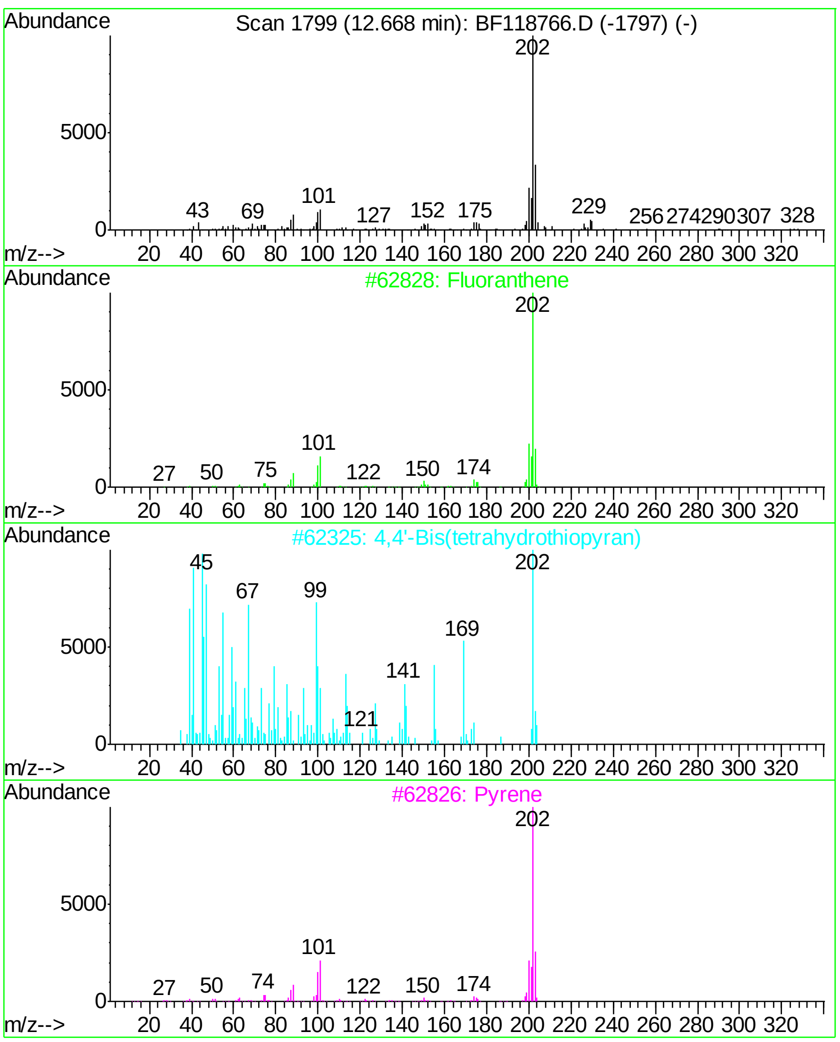
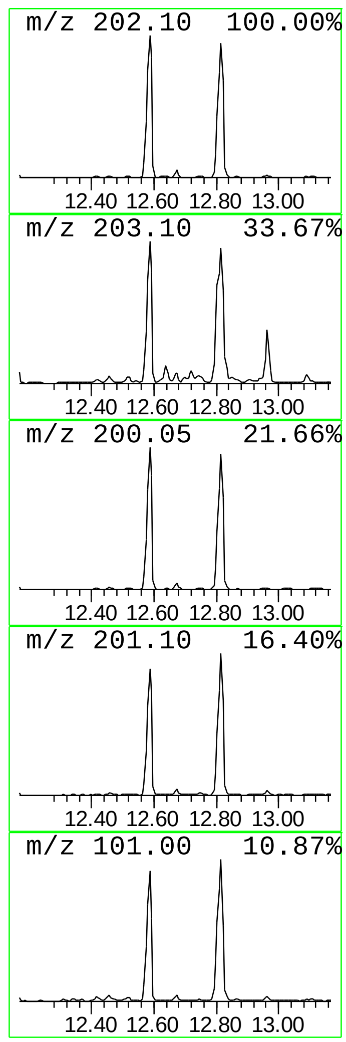
Peak Number 17 4,4'-Bis(tetrahydrothiopyran)   Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	5.28 ng	518402	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	93
2	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
3	Pyrene	202	C16H10	000129-00-0	83
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
5	Pyridazine-3,6(1H,2H)-dione, 1-(...	202	C11H10N2O2	034019-60-8	58





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

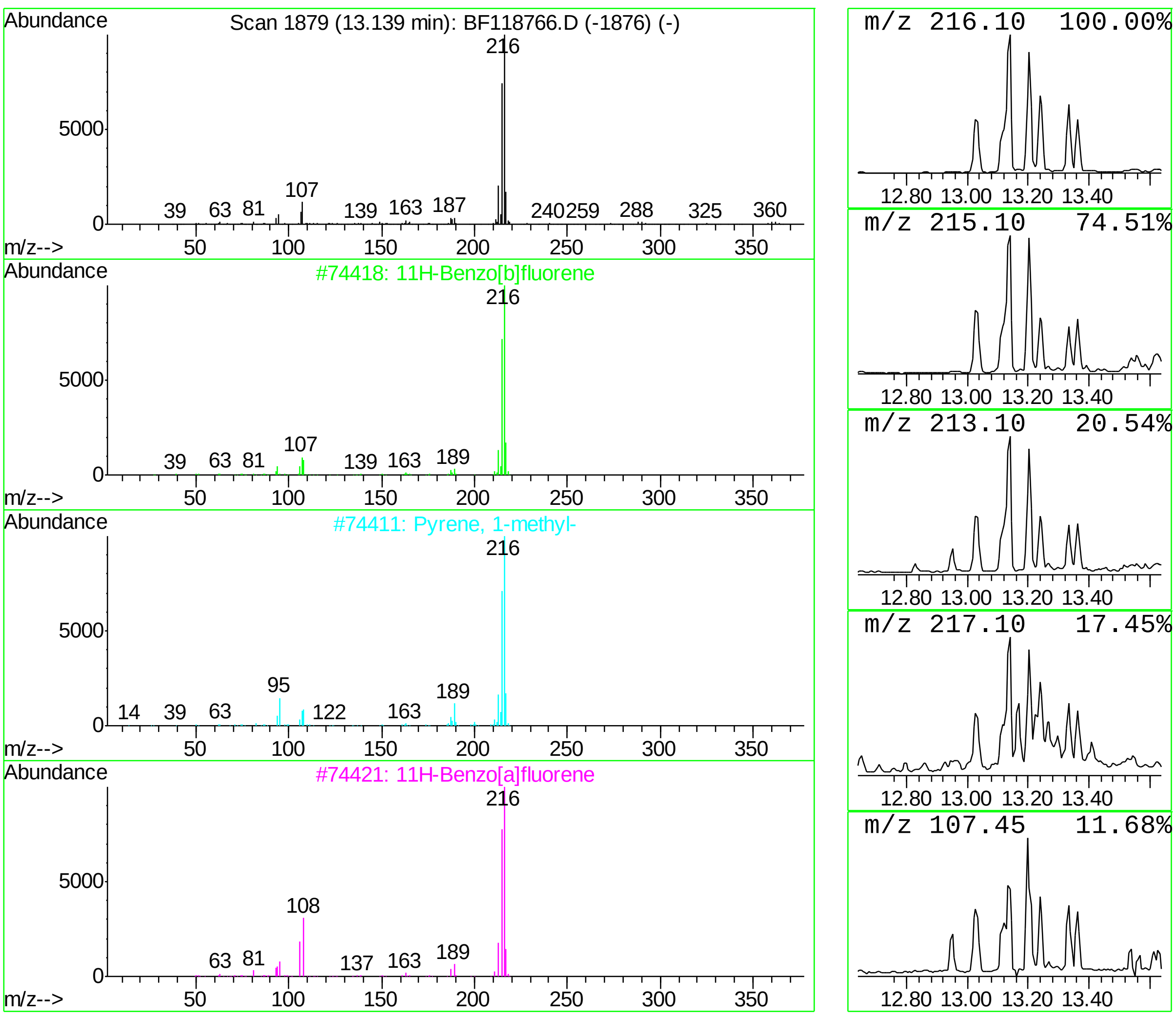
Instrument : BNA_F
ClientSampleId : SP-NORTH-SIDE

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	4.75 ng	1679620	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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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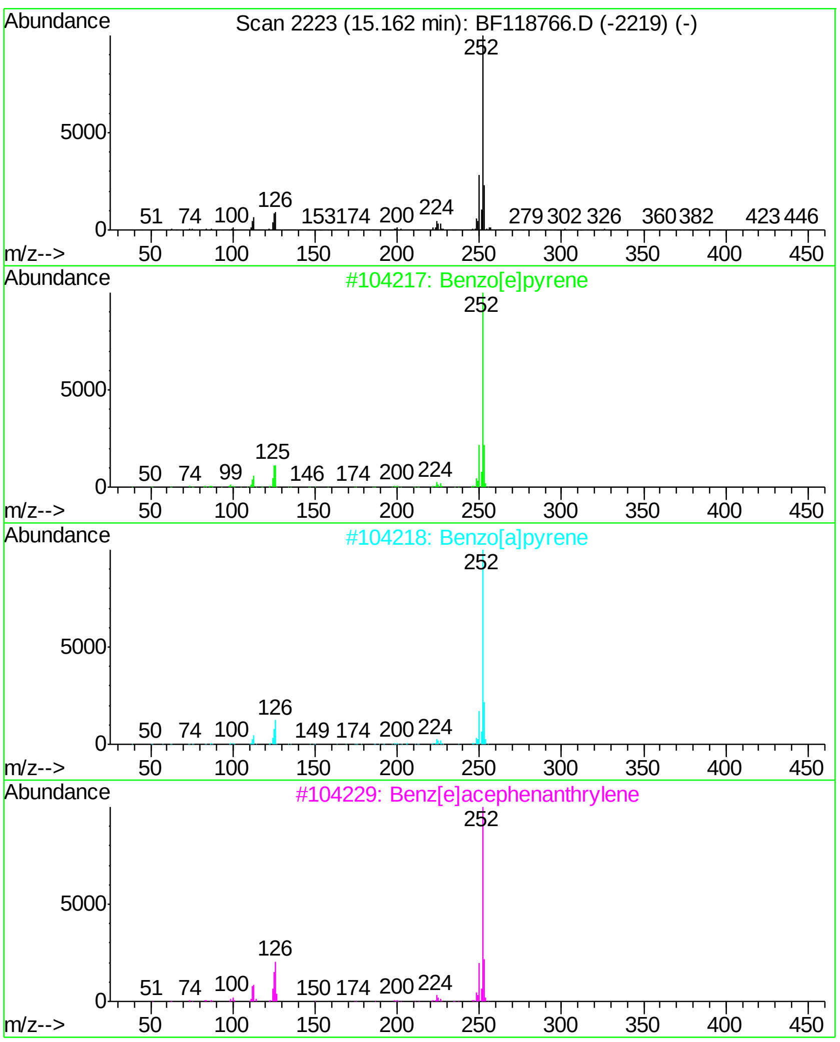
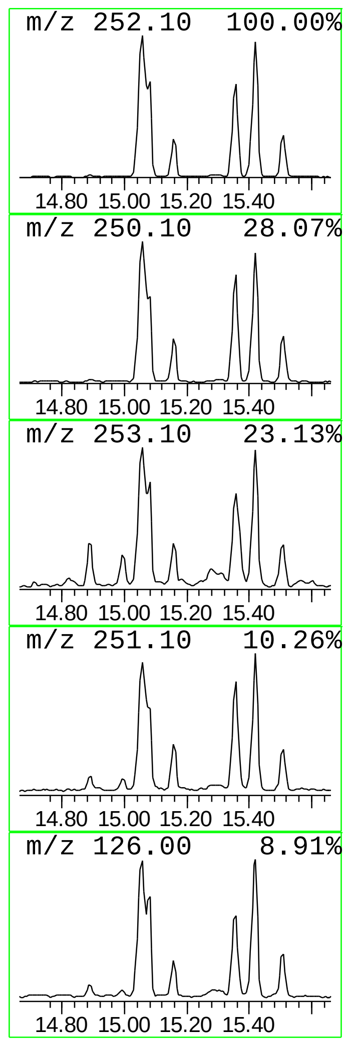
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	10.05 ng	1013510	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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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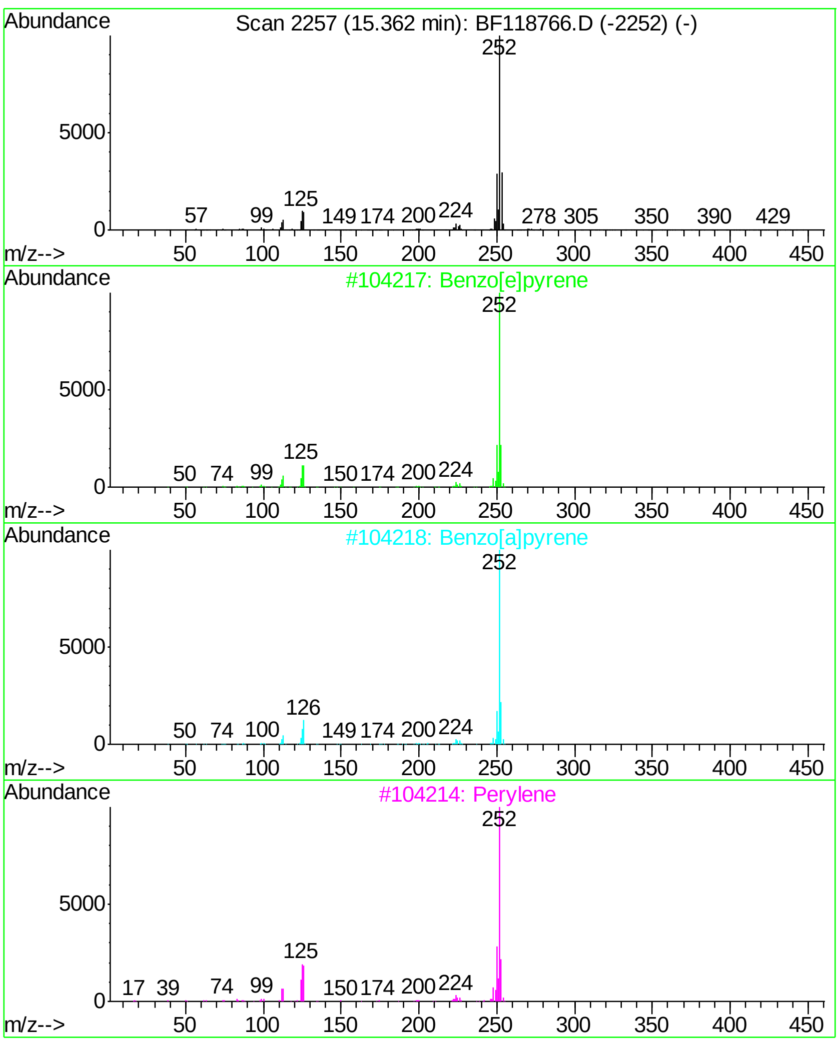
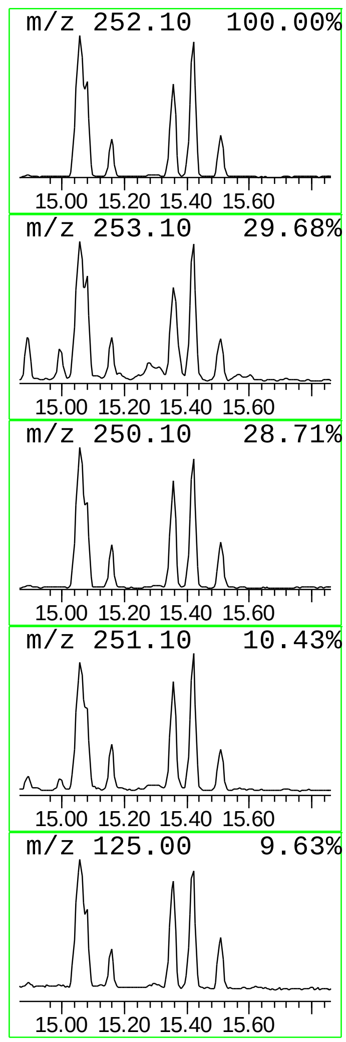
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	32.71 ng	3297100	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013020\
Data File : BF118766.D
Acq On : 30 Jan 2020 22:03
Operator : CG/JU
Sample : L1307-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Instrument :
BNA_F
ClientSampleId :
SP-NORTH-SIDE

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,3-...	9.54	4.6	ng	542072	3	9.88	2348420	20.0
Dibenzofuran, 4-m...	10.58	4.5	ng	527282	3	9.88	2348420	20.0
9H-Fluorene, 2-me...	10.97	6.3	ng	620492	4	11.37	1963360	20.0
Phenol, 3-(2-phen...	11.22	6.3	ng	622727	4	11.37	1963360	20.0
Naphtho[2,1-b]thi...	11.26	7.3	ng	717434	4	11.37	1963360	20.0
Anthracene, 2-met...	11.87	11.3	ng	1110560	4	11.37	1963360	20.0
Phenanthrene, 1-m...	11.89	20.8	ng	2042760	4	11.37	1963360	20.0
Phenanthrene, 2-m...	11.94	7.8	ng	770092	4	11.37	1963360	20.0
4H-Cyclopenta[def...	11.98	24.4	ng	2393020	4	11.37	1963360	20.0
Anthracene, 1-met...	12.00	6.9	ng	678000	4	11.37	1963360	20.0
1,2,4,8-Tetrameth...	12.16	8.9	ng	877810	4	11.37	1963360	20.0
Anthracene, 2-ethyl-	12.31	6.2	ng	611882	4	11.37	1963360	20.0
Phenanthrene, 2,5...	12.42	7.7	ng	752124	4	11.37	1963360	20.0
unknown12.46	12.46	5.5	ng	540644	4	11.37	1963360	20.0
Cyclopenta(def)ph...	12.50	6.3	ng	621724	4	11.37	1963360	20.0
4,4'-Bis(tetrahyd...	12.67	5.3	ng	518402	4	11.37	1963360	20.0
11H-Benzo[b]fluorene	13.14	4.8	ng	1679620	5	14.01	7071500	20.0
Benzo[e]pyrene	15.16	10.1	ng	1013510	6	15.48	2016050	20.0
Benzo[j]fluoranthene	15.36	32.7	ng	3297100	6	15.48	2016050	20.0