LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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-BF071618.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	5.596	550	554	559	rVB	662592	641295	9.63%	0.738%
2	6.601	720	725	728	rBV	695777	673432	10.11%	0.775%
3	6.748	746	750	754	rBV	908879	733918	11.02%	0.844%
4	6.984	786	790	793	rBV	1199609	973901	14.62%	1.120%
5	7.137	812	816	819	rBV	615770	518948	7.79%	0.597%
6	7.543	880	885	890	rVB	491410	435962	6.54%	0.502%
7	8.266	1003	1008	1010	rBV	1447508	1309806	19.66%	1.507%
8	8.290	1010	1012	1015	rVB	870060	621730	9.33%	0.715%
9	8.978	1124	1129	1133	rBV	525808	470540	7.06%	0.541%
10	9.078	1141	1146	1150	rBV	509030	454871	6.83%	0.523%
11	9.337	1186	1190	1194	rBV	928213	801310	12.03%	0.922%
12	9.537	1221	1224	1231	rVB	210785	237917	3.57%	0.274%
13	9.613	1231	1237	1240	rBV2	259244	359135	5.39%	0.413%
14	9.684	1245	1249	1251	rBV	518927	529838	7.95%	0.610%
15	9.707	1251	1253	1255	rVV	326716	257990	3.87%	0.297%
16	9.801	1264	1269	1274	rBV	303584	345203	5.18%	0.397%
17	9.884	1281	1283	1288	rVB2	257907	227968	3.42%	0.262%
18	10.031	1305	1308	1311	rVV	1686419	1557874	23.39%	1.792%
19	10.060	1311	1313	1316	rVV	1251691	955177	14.34%	1.099%
20	10.125	1321	1324	1329	rVB	202114	281286	4.22%	0.324%
21	10.184	1329	1334	1338	rBV2	303311	388570	5.83%	0.447%
22	10.231	1338	1342	1345	rVV2	777897	800583	12.02%	0.921%
23	10.431	1371	1376	1378	rBV2	242039	325303	4.88%	0.374%
24	10.578	1397	1401	1405	rVV	1333260	1169463	17.56%	1.345%
25	10.625	1405	1409	1410	rVV2	274038	234193	3.52%	0.269%
26	10.642	1410	1412	1414	rVV	372300	372603	5.59%	0.429%
27	10.666	1414	1416	1418	rVV	342085	301110	4.52%	0.346%
28	10.713	1422	1424	1425	rVV	318332	262295	3.94%	0.302%
29	10.731	1425	1427	1432	rVB2	398286	425616	6.39%	0.490%
30	10.813	1439	1441	1445	rVV	702773	776037	11.65%	0.893%
31	10.936	1460	1462	1468	rVB2	243200	288743	4.33%	0.332%
32	11.125	1487	1494	1496	rVV3	544634	812773	12.20%	0.935%
33	11.154	1496	1499	1502	rVV2	477103	486183	7.30%	0.559%
34	11.207	1506	1508	1511	rVB2	300941	276696	4.15%	0.318%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.242	1511	1514	1517	rBV3	207716	362238	5.44%	0.417%
36	11.278	1517	1520	1524	rVV3	293956	400652	6.01%	0.461%
37	11.325	1524	1528	1531	rVV	587189	585906	8.80%	0.674%
38	11.378	1531	1537	1541	rVV4	348666	698938	10.49%	0.804%
39	11.419	1541	1544	1552	rVB	850586	820518	12.32%	0.944%
40	11.525	1558	1562	1564	rBV	1374529	1648887	24.75%	1.897%
41	11.560	1564	1568	1571	rVV	5776992	6661603	100.00%	7.664%
42	11.601	1572	1575	1577	rVV	1482656	1186782	17.82%	1.365%
43	11.748	1597	1600	1605	rBV	447665	534569	8.02%	0.615%
44	11.854	1614	1618	1626	rVB2	633785	667393	10.02%	0.768%
45	11.936	1629	1632	1636	rVB	322985	375135	5.63%	0.432%
46	12.030	1644	1648	1650	rVV	1938399	1989046	29.86%	2.288%
47	12.054	1650	1652	1655	rVB	2327707	2149948	32.27%	2.473%
48	12.101	1655	1660	1663	rBV	687404	711965	10.69%	0.819%
49	12.142	1663	1667	1669	rVV2	2110587	2580745	38.74%	2.969%
50	12.166	1669	1671	1673	rVB	1622963	1226986	18.42%	1.412%
51	12.319	1694	1697	1700	rVV	1060112	1019199	15.30%	1.173%
52	12.348	1700	1702	1707	rVB2	1126298	1007219	15.12%	1.159%
53	12.395	1707	1710	1713	rBV	396827	327376	4.91%	0.377%
54	12.472	1720	1723	1725	rVV	608551	615236	9.24%	0.708%
55	12.501	1725	1728	1730	rVV	542063	466525	7.00%	0.537%
56	12.525	1730	1732	1735	rVB	458615	344305	5.17%	0.396%
57	12.578	1737	1741	1744	rVV	1263172	1411585	21.19%	1.624%
58	12.613	1744	1747	1749	rVV2	685760	892991	13.41%	1.027%
59	12.630	1749	1750	1753	rVV	372437	286639	4.30%	0.330%
60	12.666	1753	1756	1761	rVV3	665575	912852	13.70%	1.050%
61	12.748	1764	1770	1773	rVV	3919058	4522231	67.89%	5.203%
62	12.783	1773	1776	1778	rVV2	283645	280069	4.20%	0.322%
63	12.801	1778	1779	1783	rVB2	366519	314161	4.72%	0.361%
64	12.872	1787	1791	1793	rBV3	379144	420047	6.31%	0.483%
65	12.895	1793	1795	1798	rVV2	313064	310128	4.66%	0.357%
66	12.983	1802	1810	1813	rBV	4089861	5408545	81.19%	6.222%
67	13.019	1813	1816	1820	rVB2	517315	610710	9.17%	0.703%
68	13.107	1828	1831	1833	rVV	901232	909211	13.65%	1.046%
69	13.125	1833	1834	1838	rVB2	350089	296363	4.45%	0.341%
70	13.183	1840	1844	1852	rVV4	614771	1114235	16.73%	1.282%
71	13.277	1856	1860	1861	rVV2	505539	656991	9.86%	0.756%

LSC Area Percent Report

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Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.301	1861	1864	1866	rVV	930680	957583	14.37%	1.102%
73	13.366	1870	1875	1878	rVV	765062	824674	12.38%	0.949%
74	13.407	1878	1882	1884	rVV2	889822	1024056	15.37%	1.178%
75	13.430	1884	1886	1889	rVV3	306776	355884	5.34%	0.409%
76	13.460	1889	1891	1894	rVV3	205256	230389	3.46%	0.265%
77	13.501	1894	1898	1900	rVV	667005	690701	10.37%	0.795%
78	13.530	1900	1903	1905	rVV	711689	678995	10.19%	0.781%
79	13.807	1943	1950	1954	rBV2	527109	768360	11.53%	0.884%
80	13.919	1964	1969	1972	rBV2	456106	689229	10.35%	0.793%
81	13.948	1972	1974	1976	rVB	494917	356515	5.35%	0.410%
82	13.977	1976	1979	1982	rBV3	273587	385316	5.78%	0.443%
83	14.013	1982	1985	1990	rVB2	428251	444974	6.68%	0.512%
84	14.166	2004	2011	2015	rBV2	2202496	3410771	51.20%	3.924%
85	14.201	2015	2017	2024	rVB	2087880	1851877	27.80%	2.131%
86	14.277	2028	2030	2034	rBV2	234406	231001	3.47%	0.266%
87	14.560	2073	2078	2081	rVV	674317	888727	13.34%	1.022%
88	14.589	2081	2083	2086	rVV	485633	543646	8.16%	0.625%
89	14.642	2088	2092	2093	rVV2	230820	351476	5.28%	0.404%
90	14.689	2097	2100	2102	rVV2	334355	382884	5.75%	0.440%
91	14.713	2102	2104	2107	rVV2	269704	259335	3.89%	0.298%
92	14.760	2108	2112	2119	rVB4	174204	267840	4.02%	0.308%
93	15.254	2191	2196	2200	rBV	1088909	1912740	28.71%	2.201%
94	15.366	2212	2215	2219	rVB	213303	247855	3.72%	0.285%
95	15.583	2247	2252	2257	rVB	702454	981037	14.73%	1.129%
96	15.648	2258	2263	2268	rVB	979444	1288733	19.35%	1.483%
97	15.713	2269	2274	2277	rVV	751497	1071476	16.08%	1.233%
98	15.748	2277	2280	2286	rVB2	313213	472476	7.09%	0.544%
99	17.289	2536	2542	2550	rVB3	350221	757647	11.37%	0.872%
100	17.771	2618	2624	2632	rVB2	255104	559231	8.39%	0.643%

Sum of corrected areas: 86921626

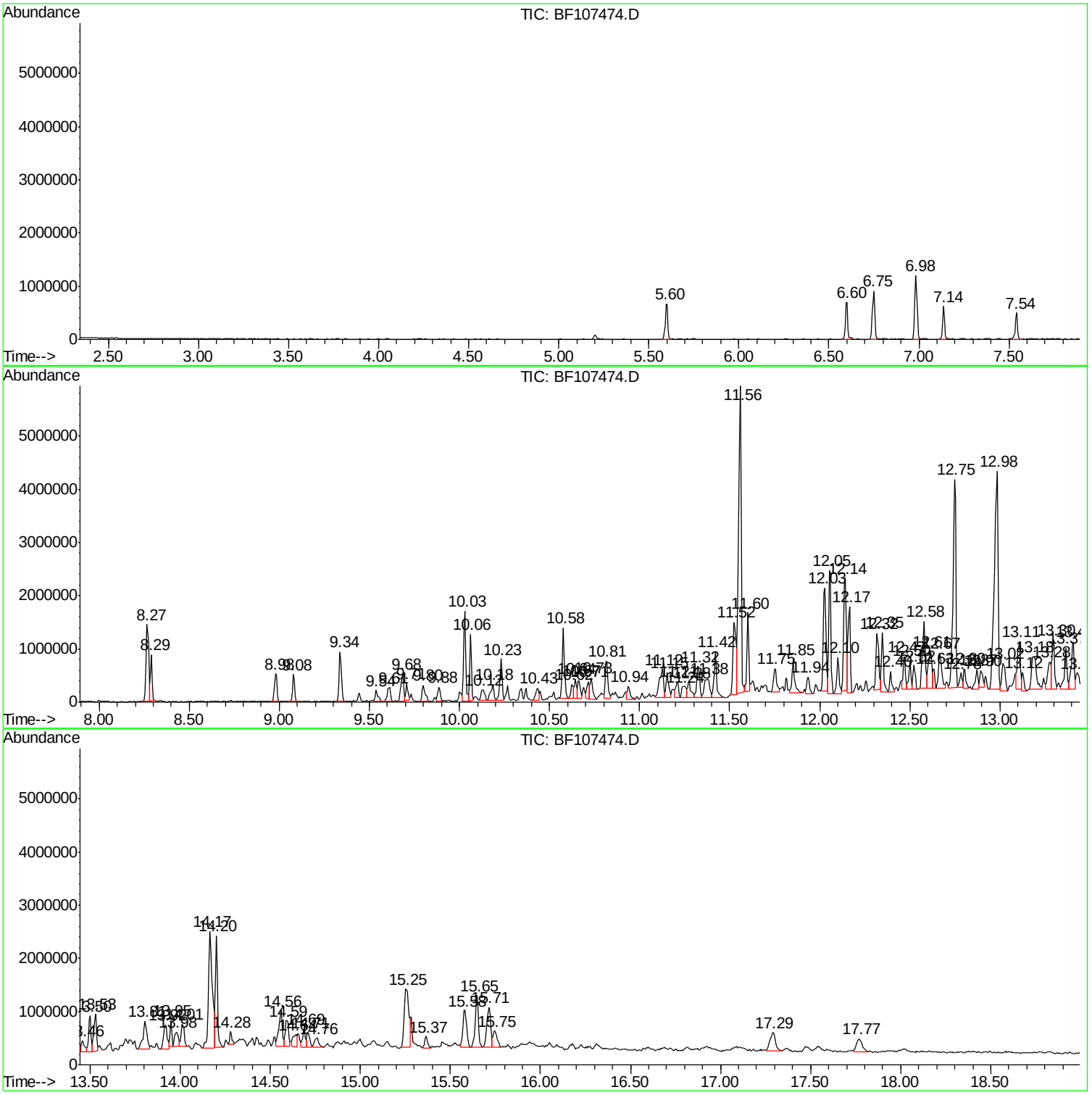
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

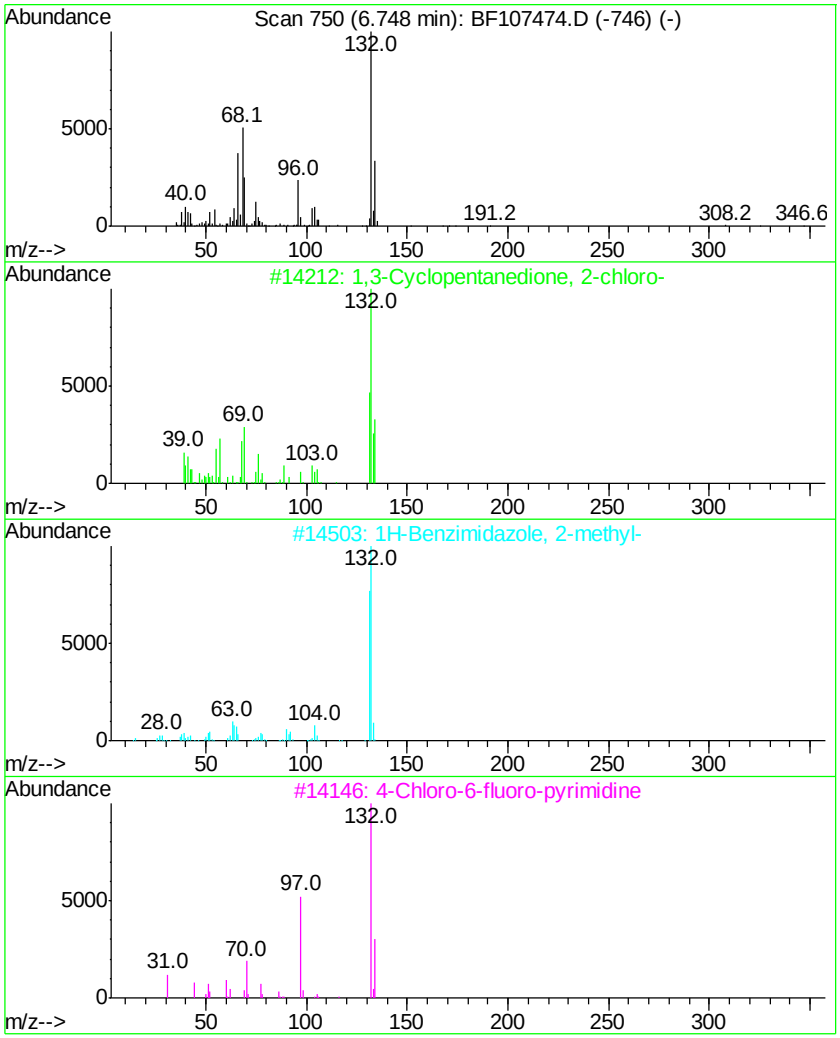
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

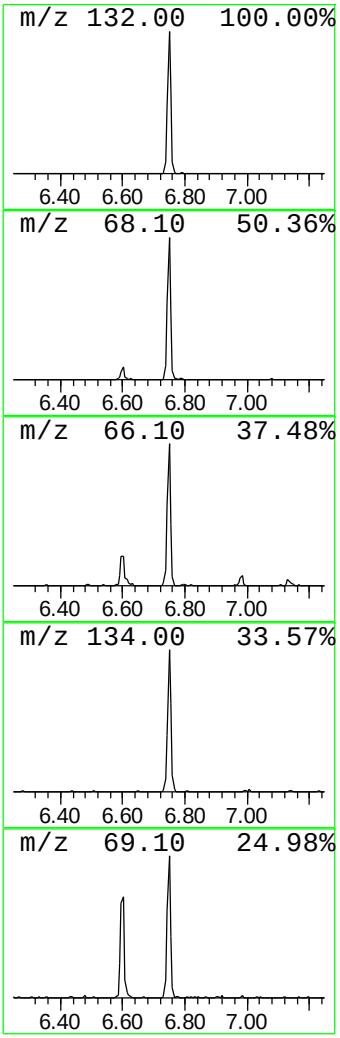
****

Peak Number 1 unknown6.75 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	15.07 ng	733918	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	22
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	14
5	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

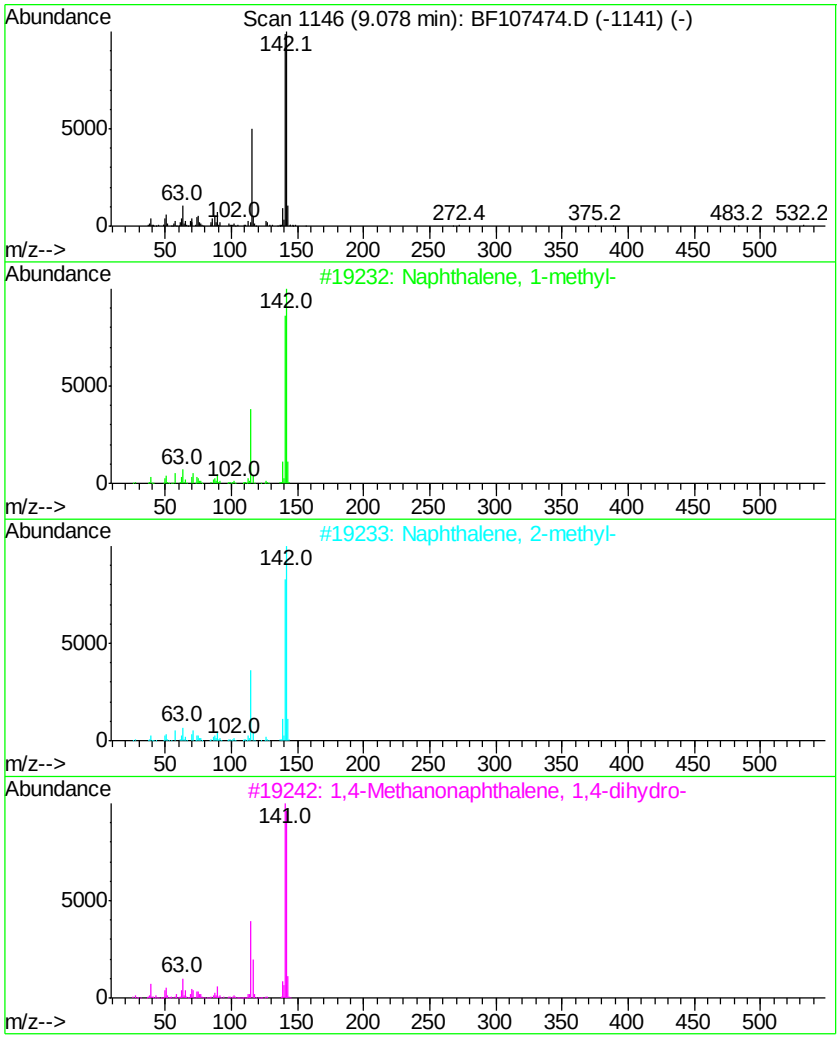
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

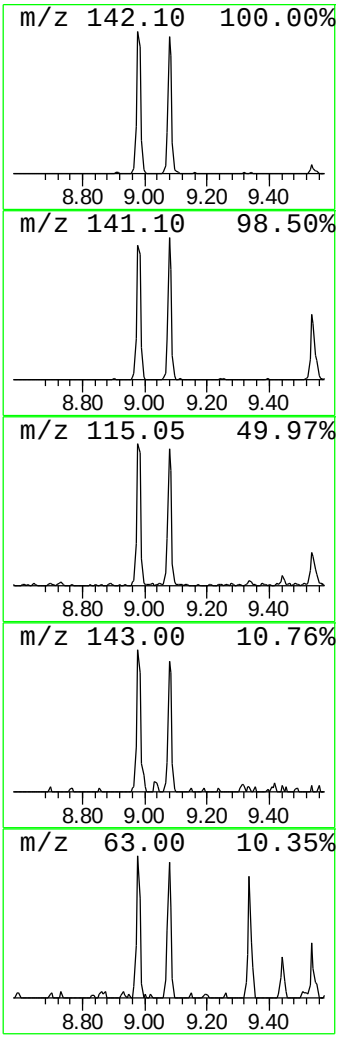
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	6.95 ng	454871	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

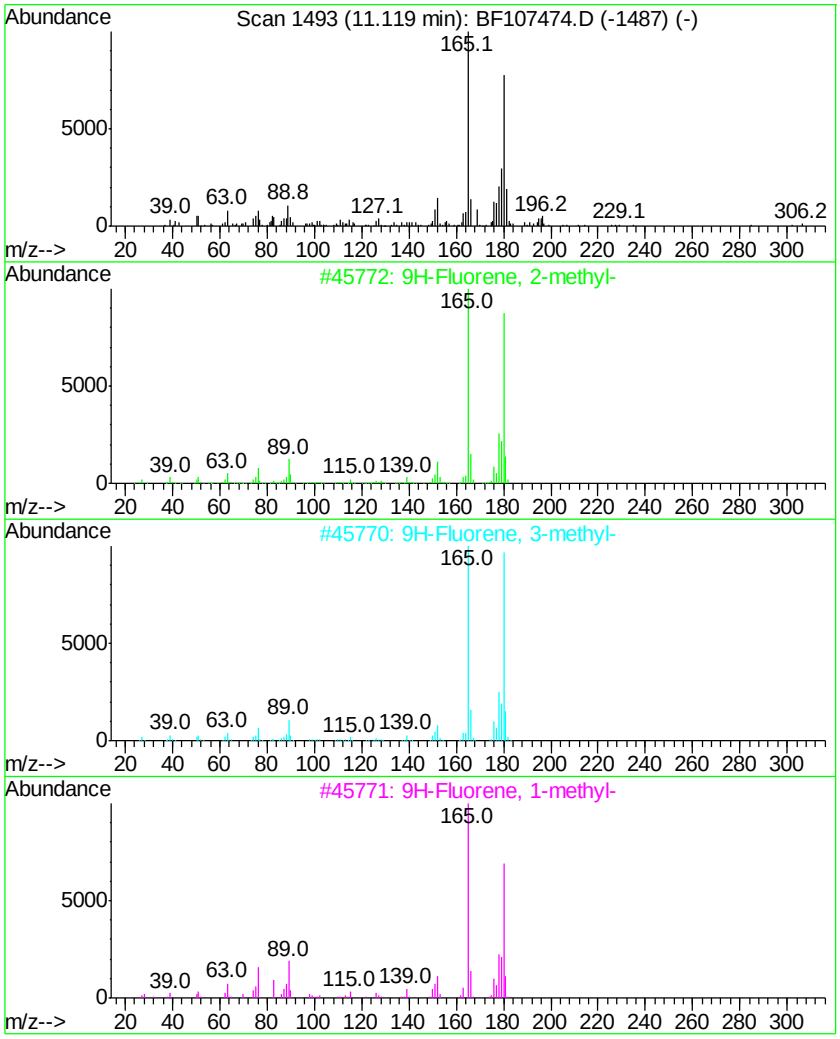
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

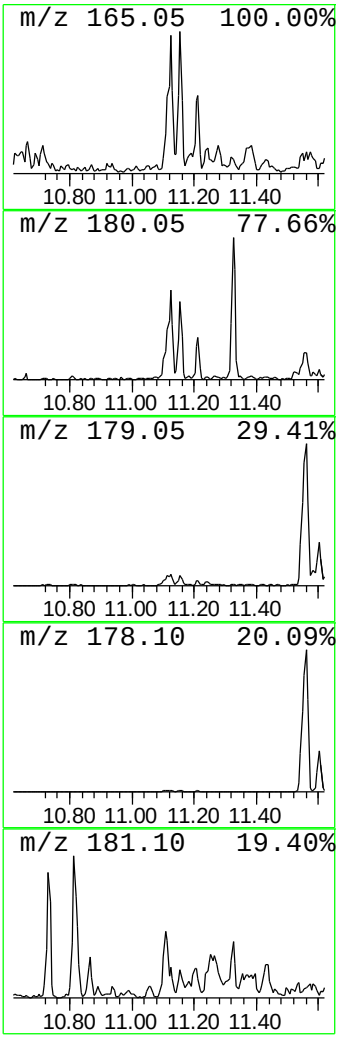
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	9.86 ng	812773	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

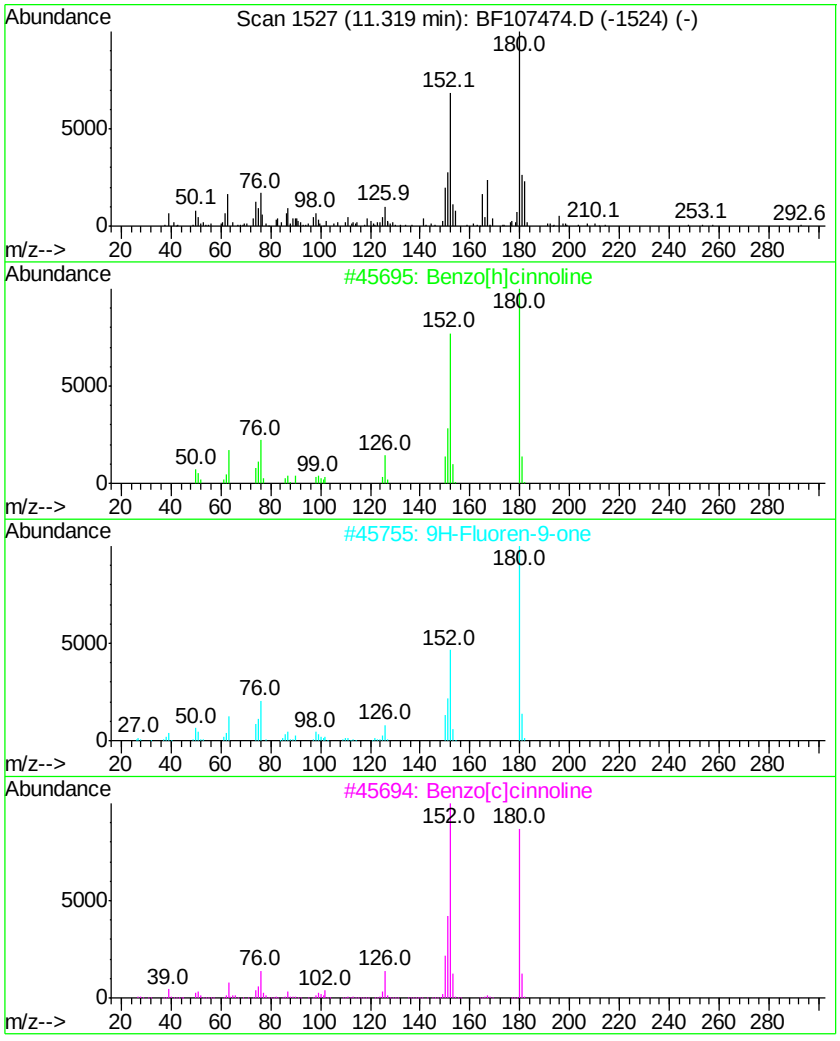
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

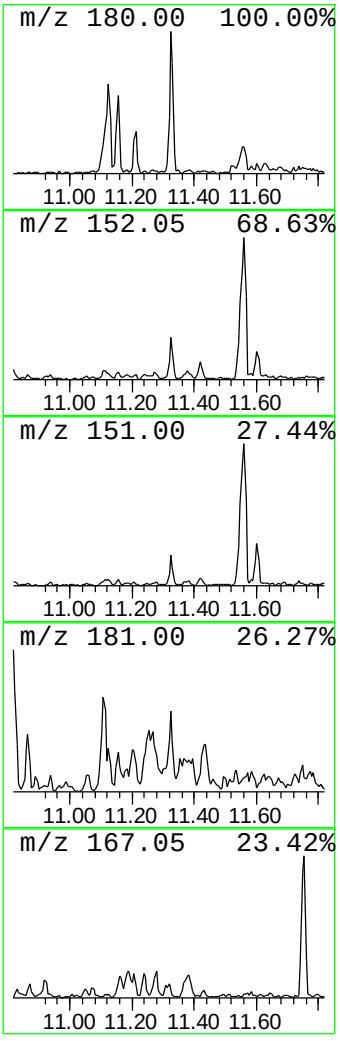
****

Peak Number 5 Benzo[h]cinnoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	7.11 ng	585906	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
4	Diphenic anhydride	224	C14H8O3	006050-13-1	83
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

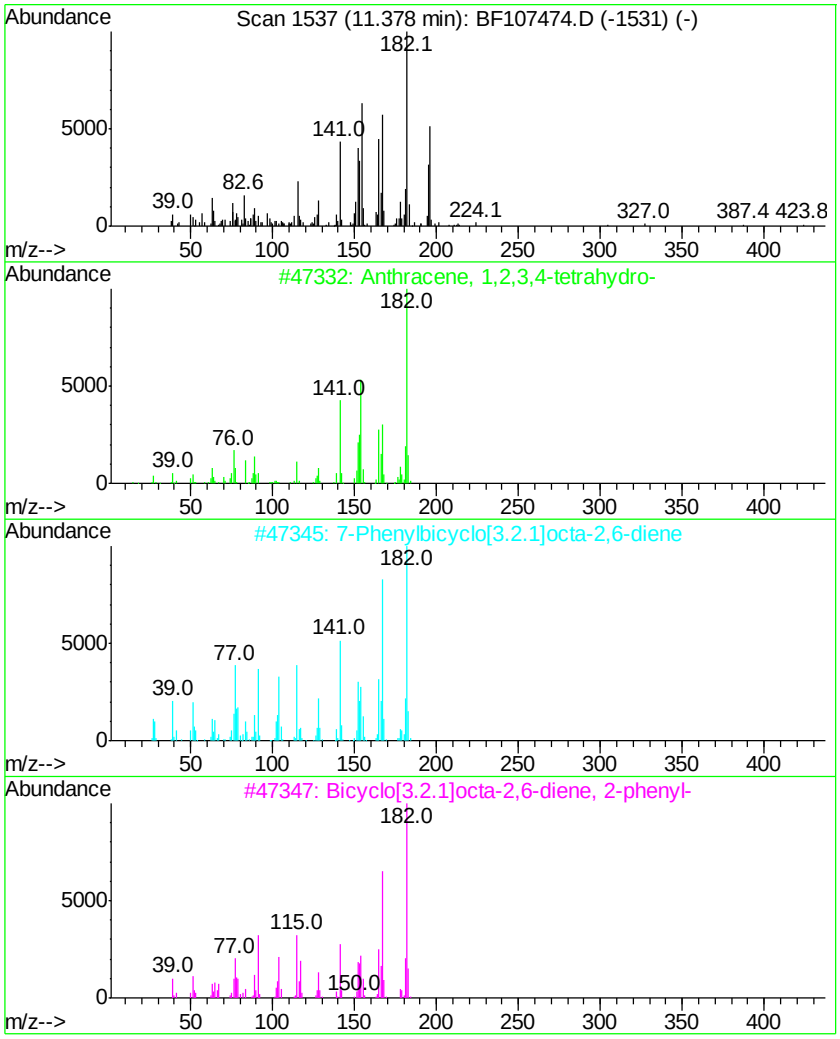
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

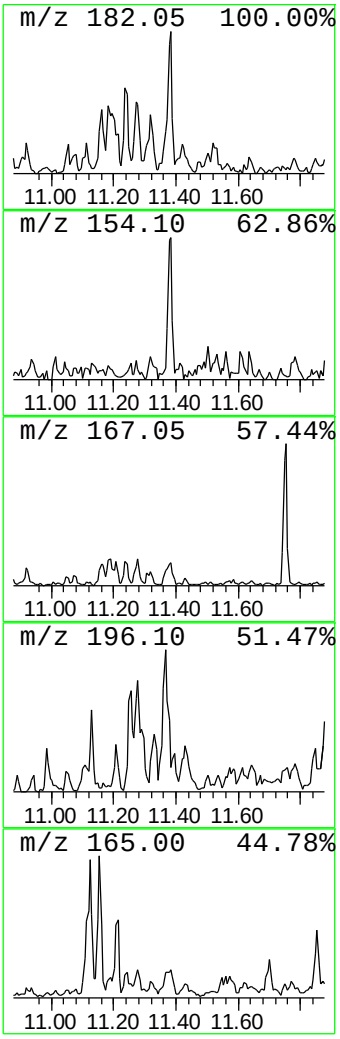
****

Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	8.48 ng	698938	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	92
2	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	60
3	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	50
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	46
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43





Library Search Compound Report

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Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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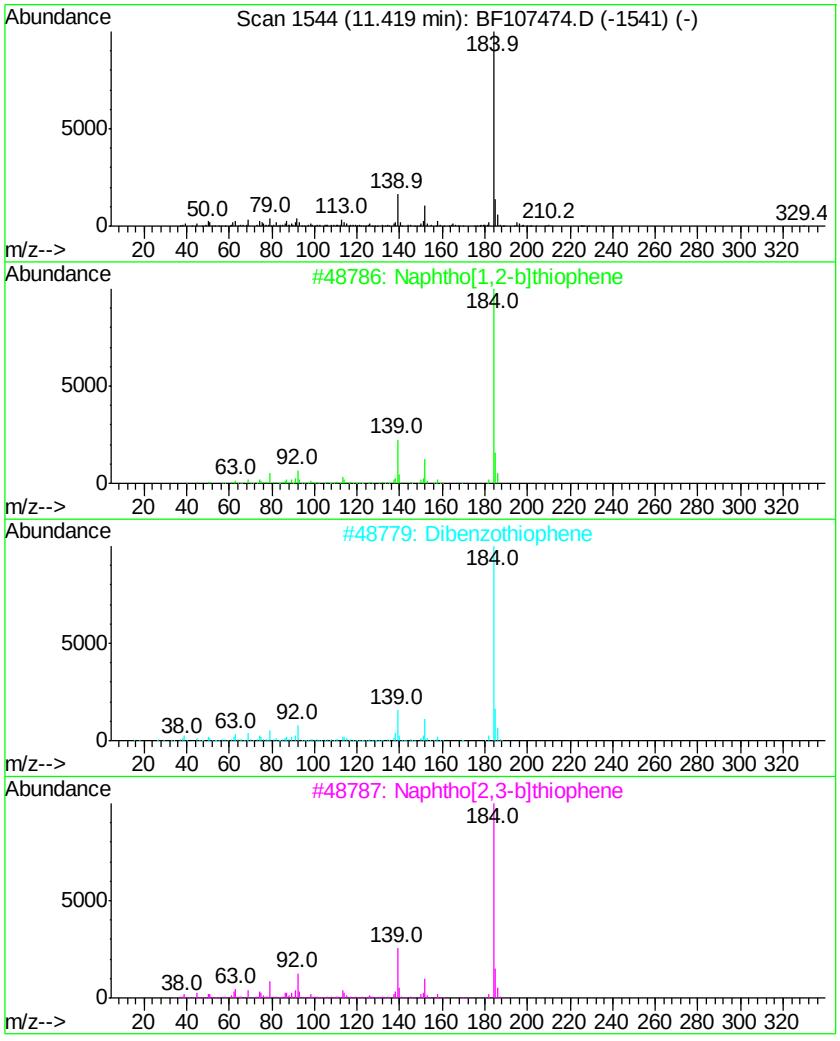
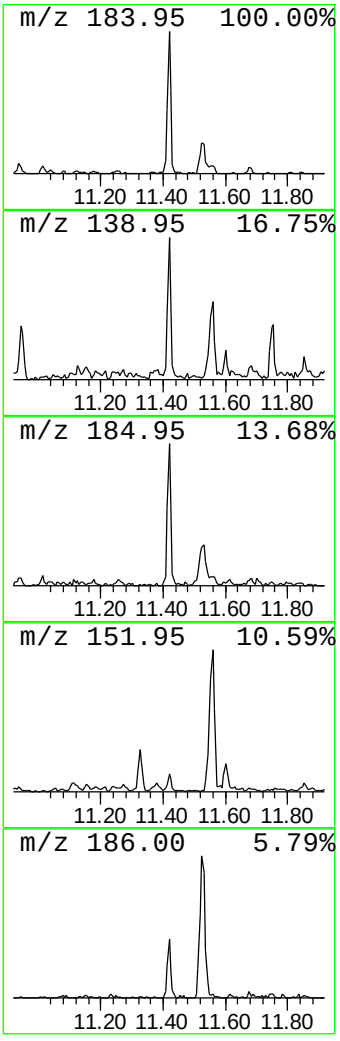
Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	9.95 ng	820518	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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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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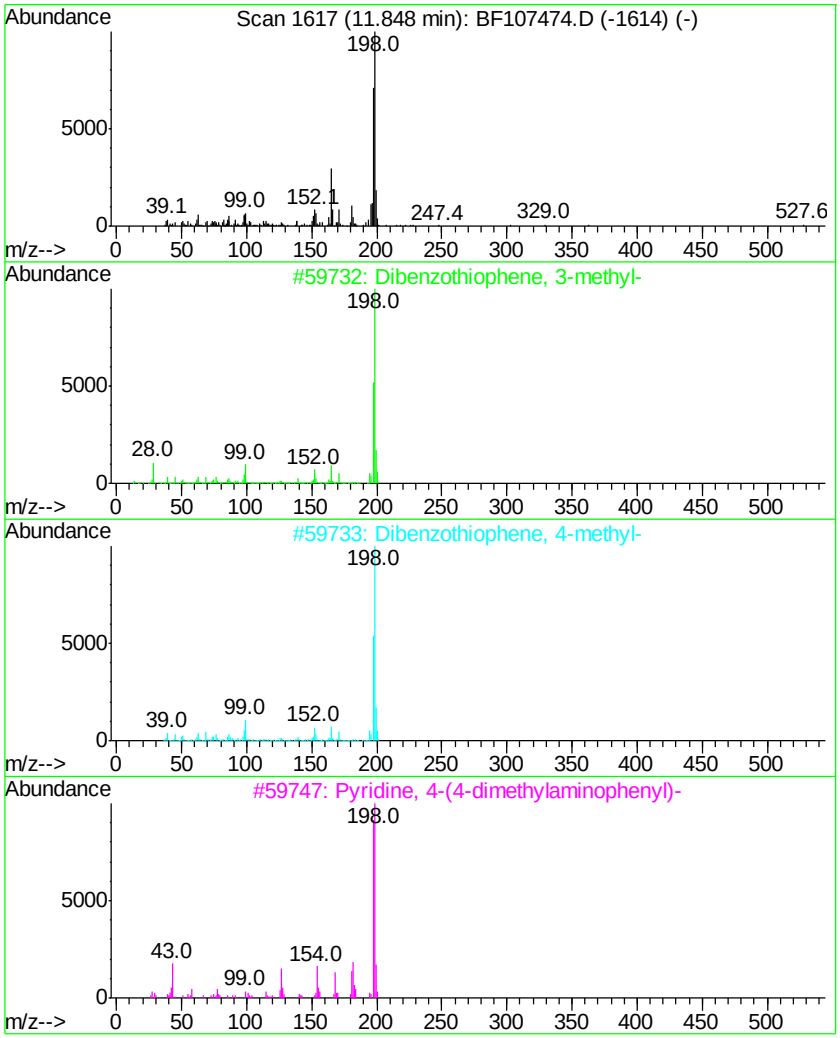
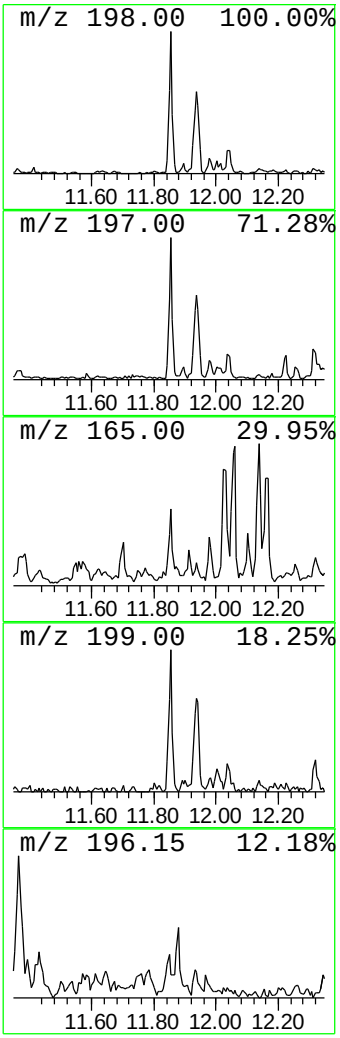
Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	8.10 ng	667393	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	74
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
3	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64
4	Tacrine	198	C13H14N2	000321-64-2	59
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59





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Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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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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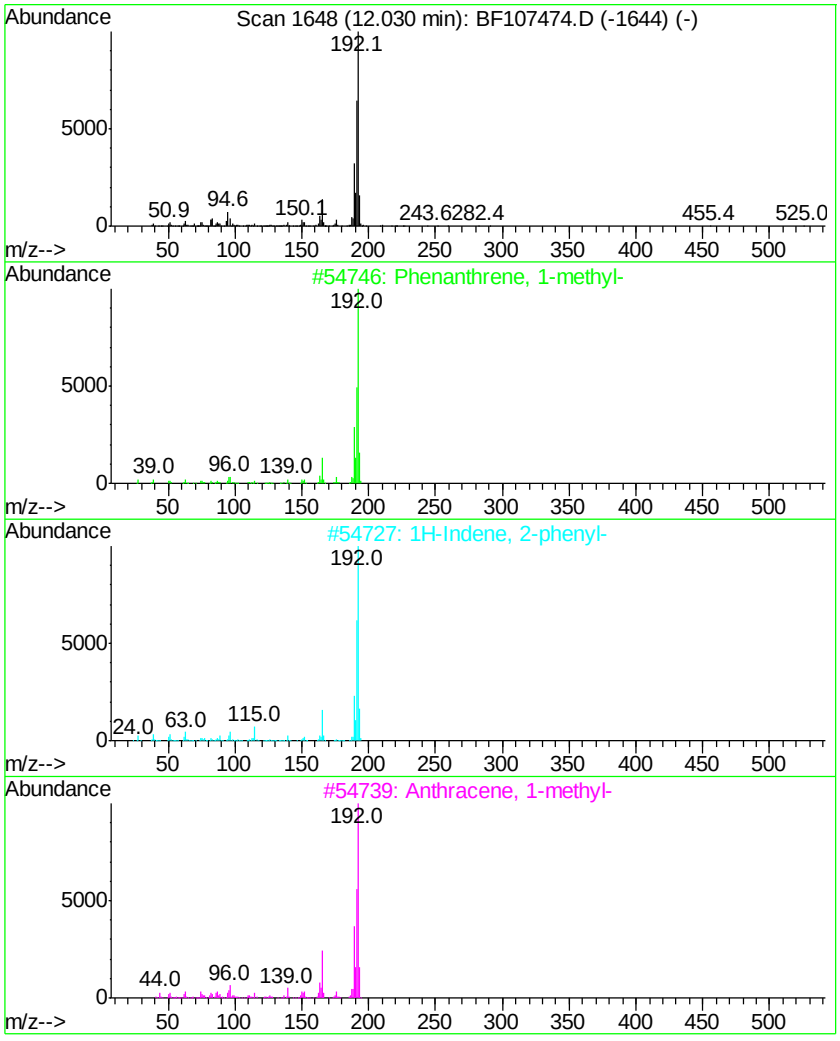
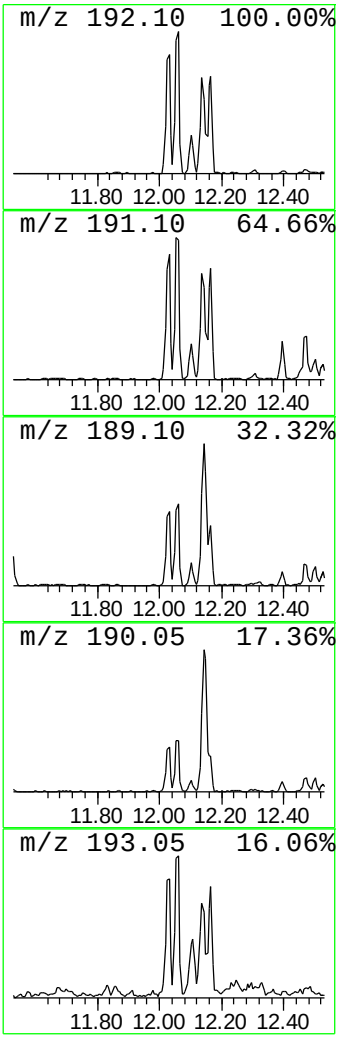
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	24.13 ng	1989050	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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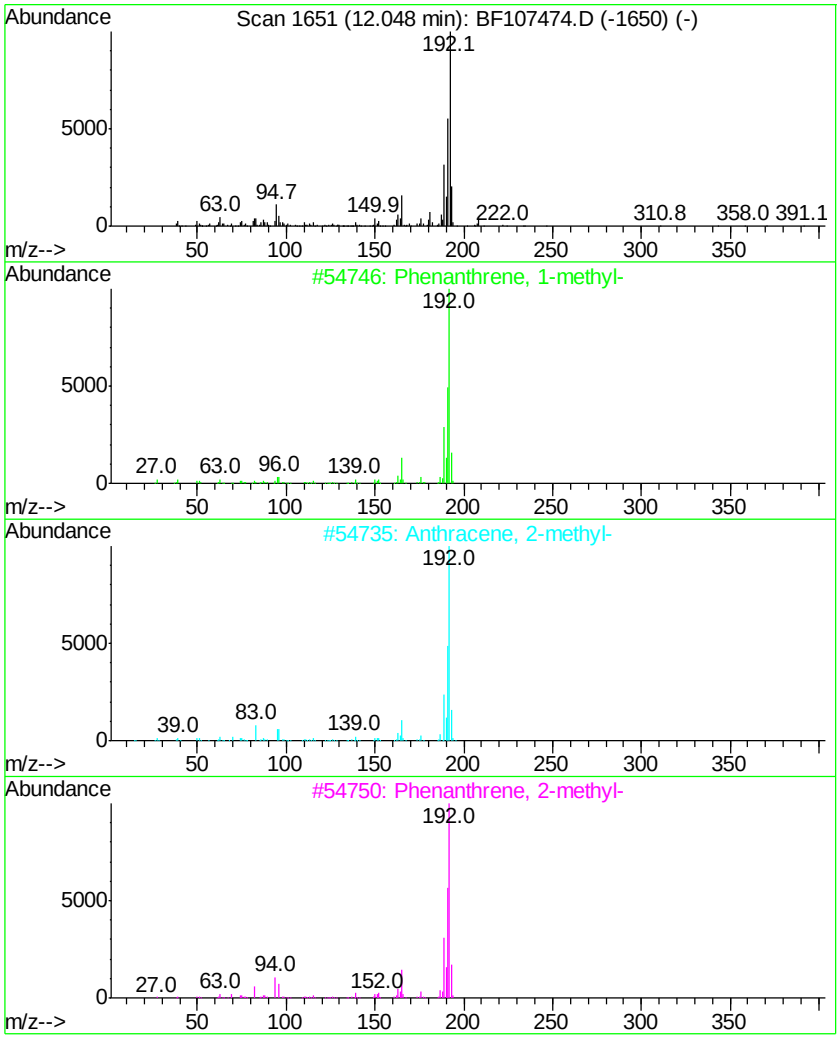
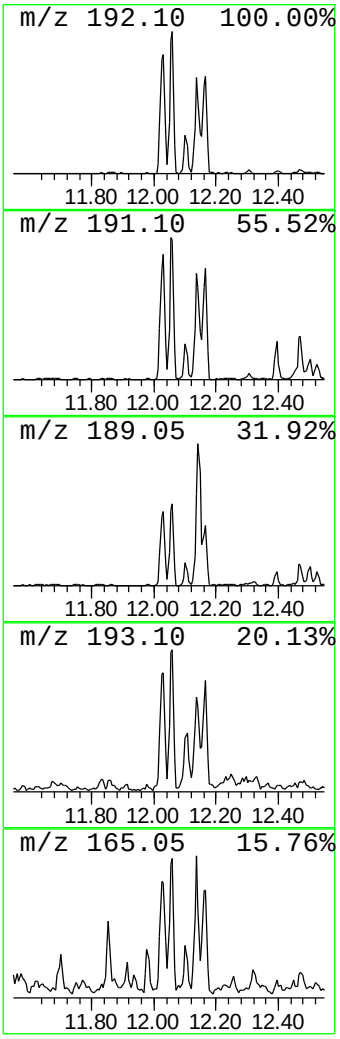
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	26.08 ng	2149950	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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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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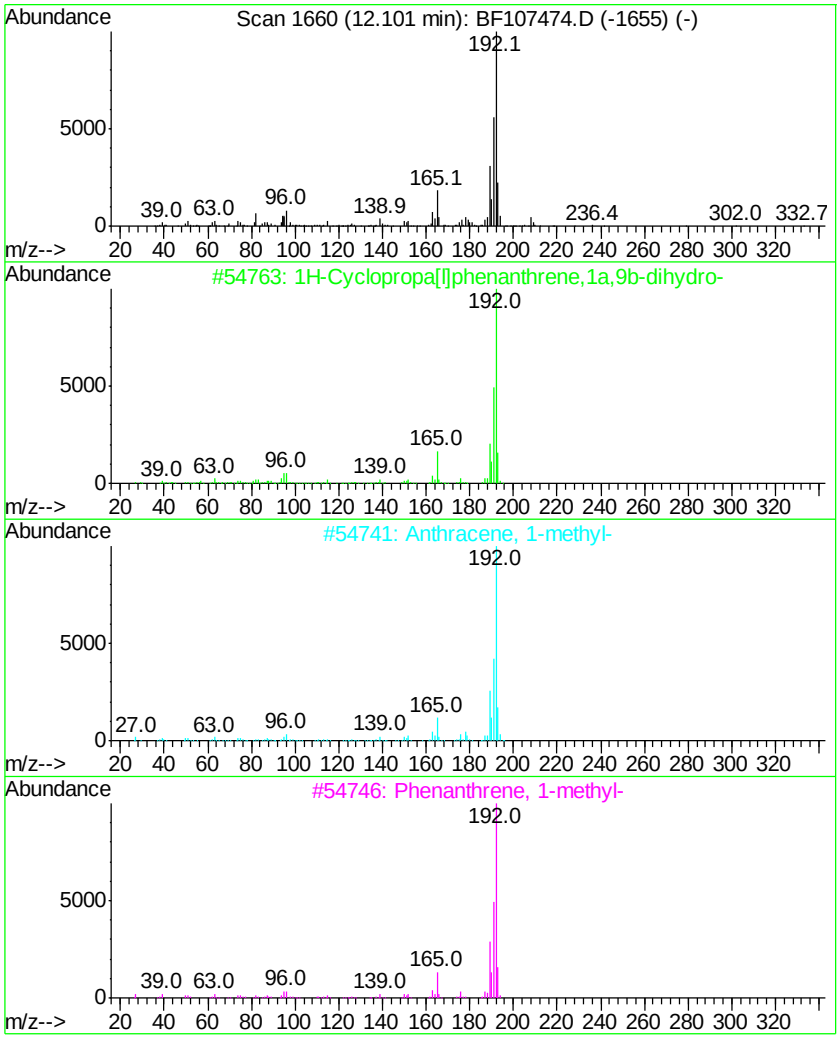
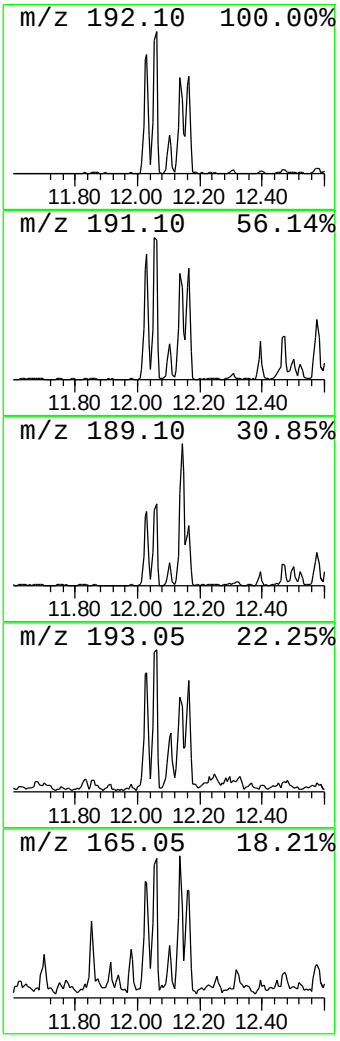
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	8.64 ng	711965	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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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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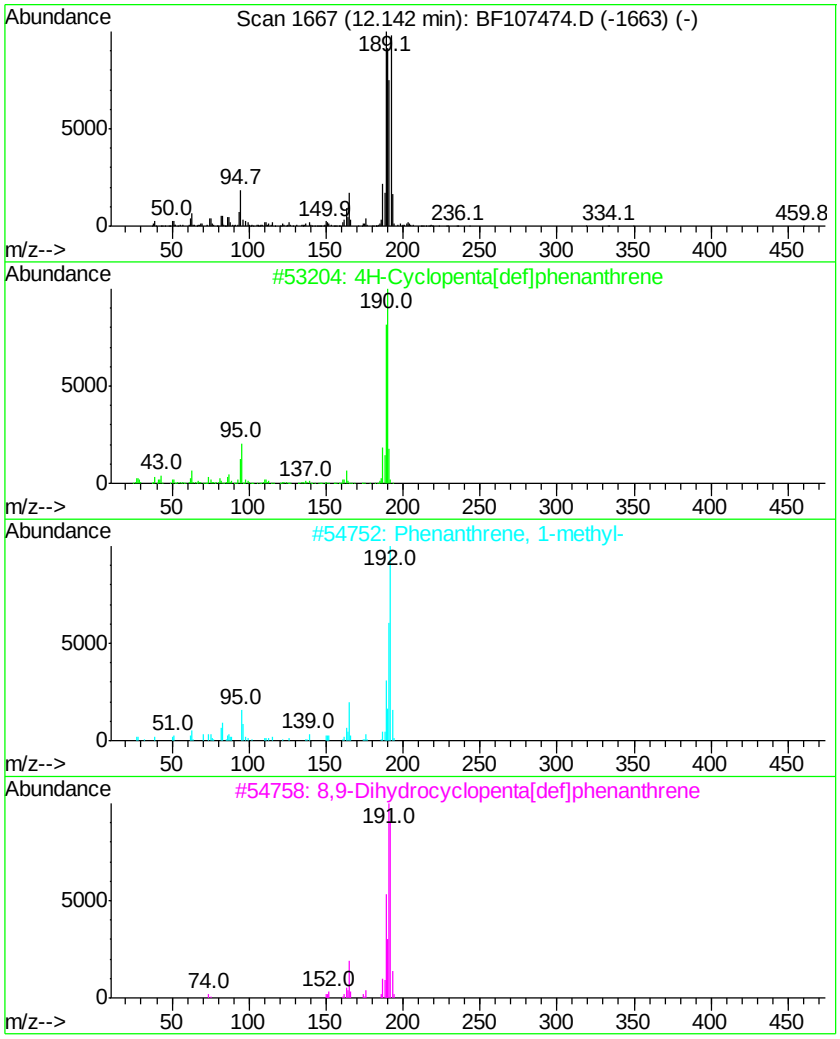
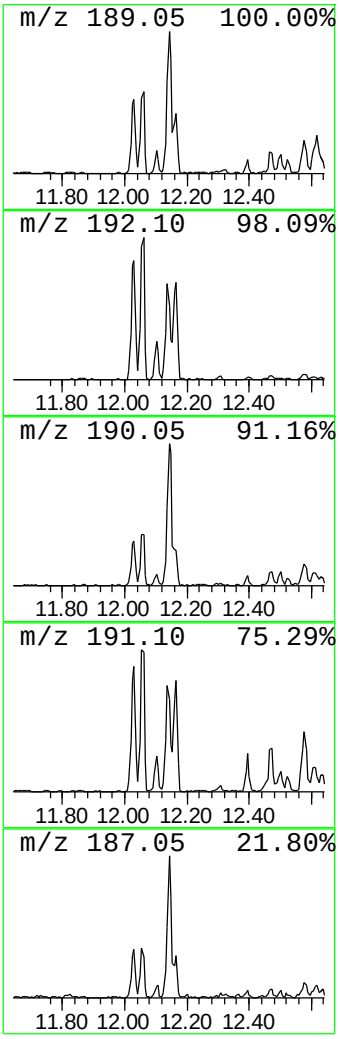
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	31.30 ng	2580750	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	47
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	45
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	45





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Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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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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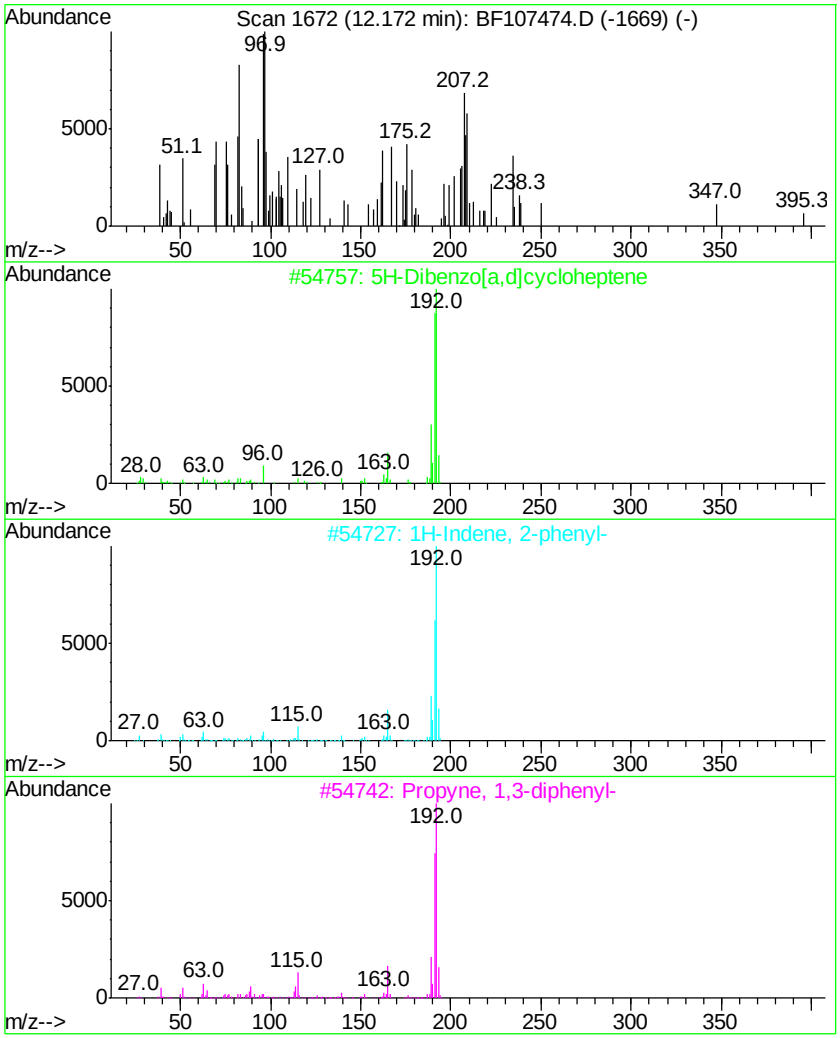
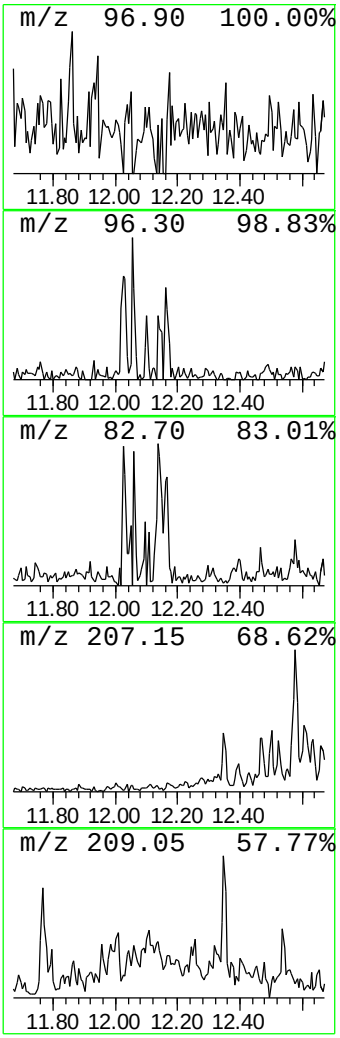
Peak Number 13 5H-Dibenzo[a,d]cycloheptene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	14.88 ng	1226990	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





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Sample : J4016-17 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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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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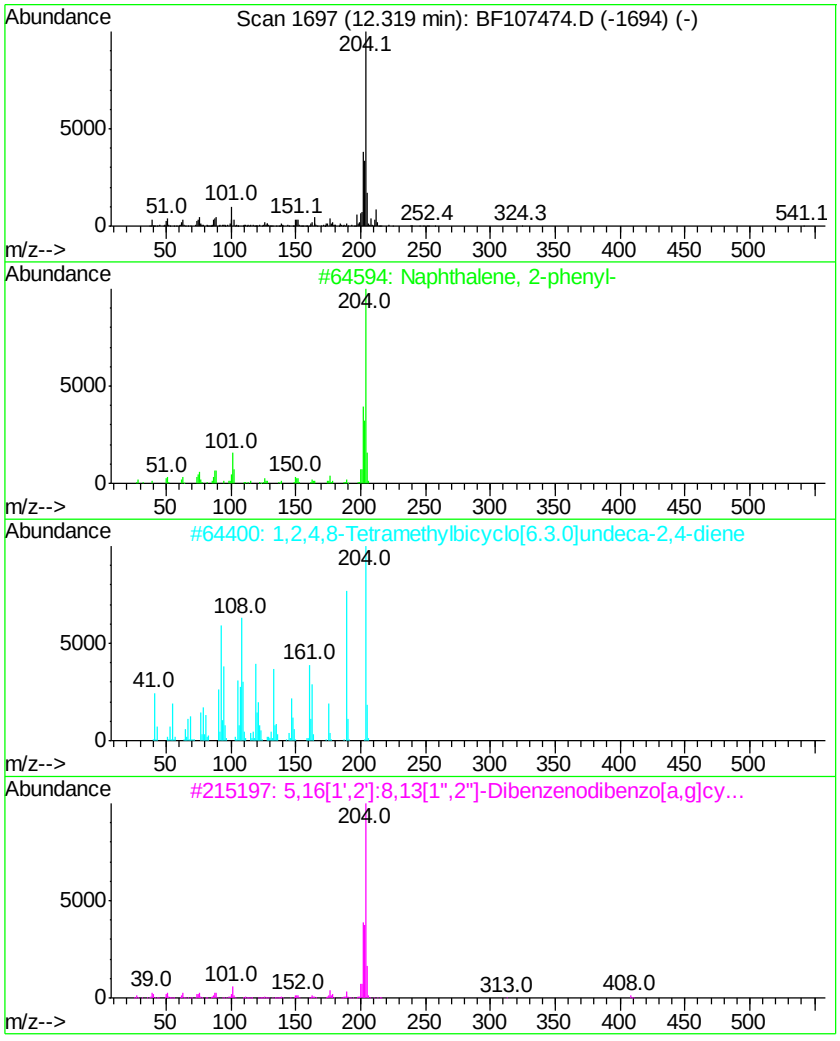
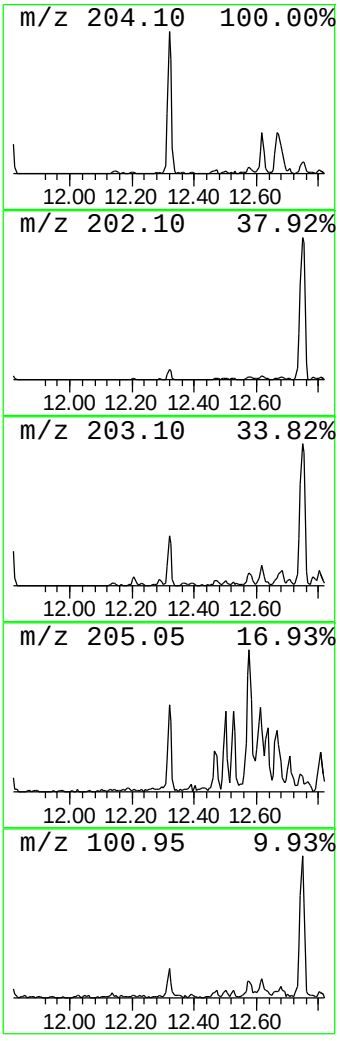
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	12.36 ng	1019200	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
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	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60





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ClientSampleId : SB4-L-12-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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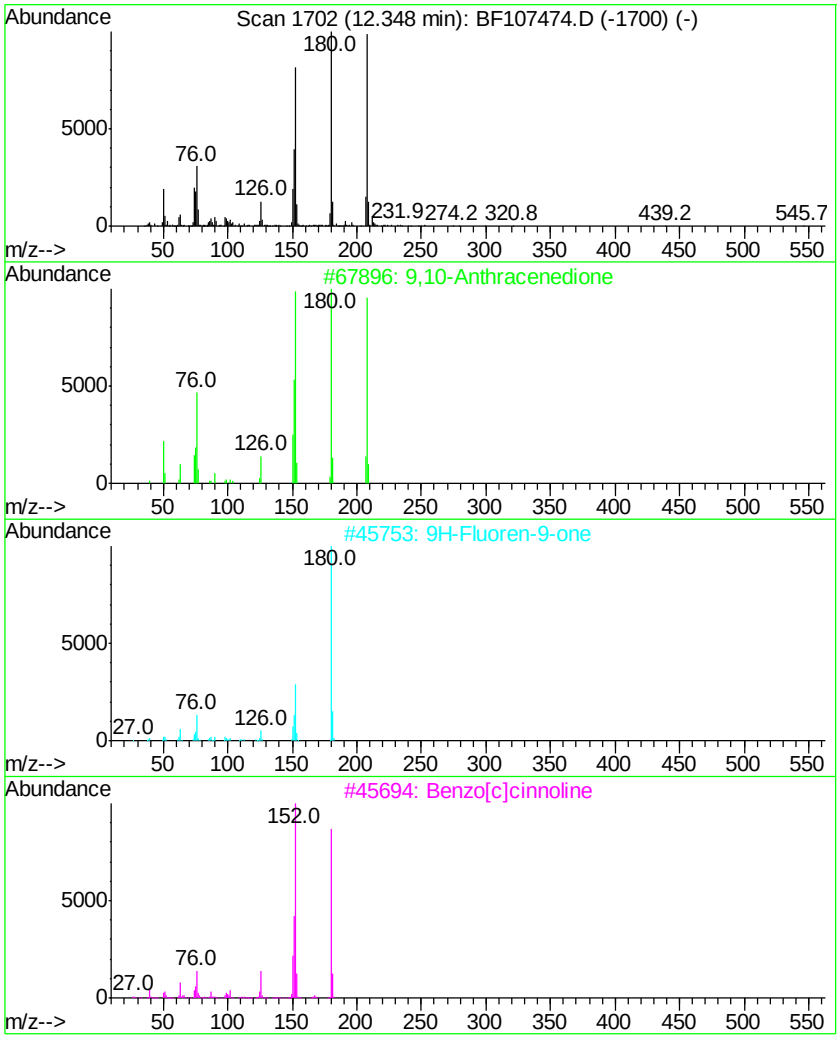
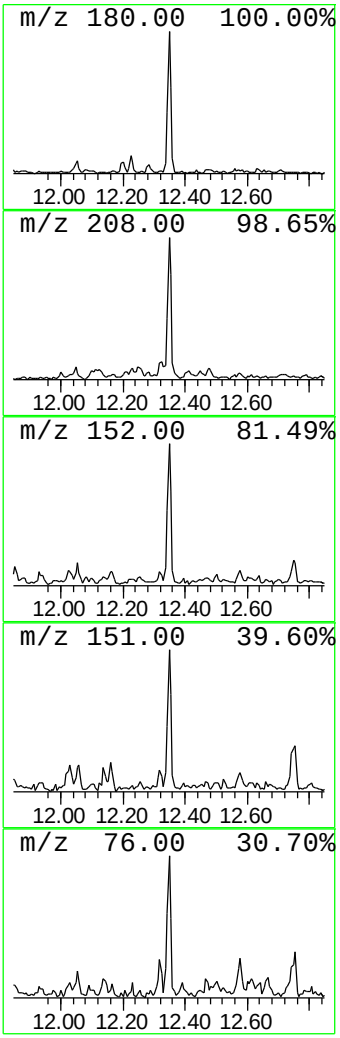
Peak Number 15 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	12.22 ng	1007220	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46





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Instrument : BNA_F
ClientSampleId : SB4-L-12-7

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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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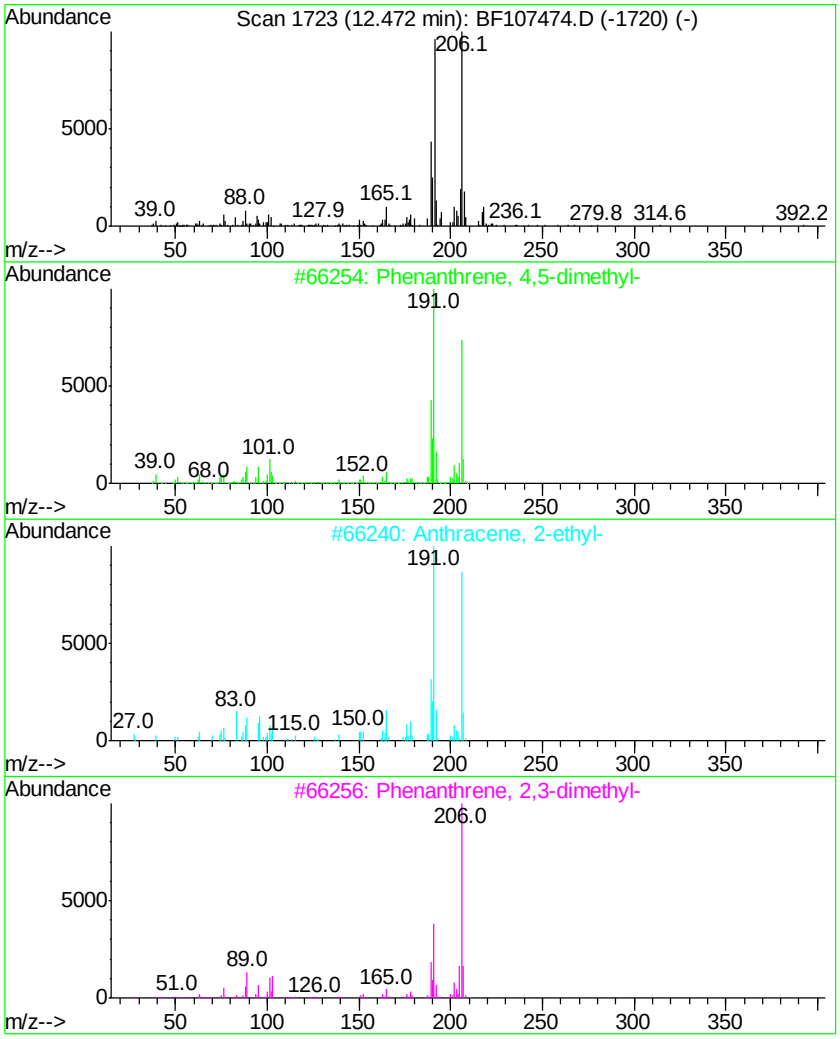
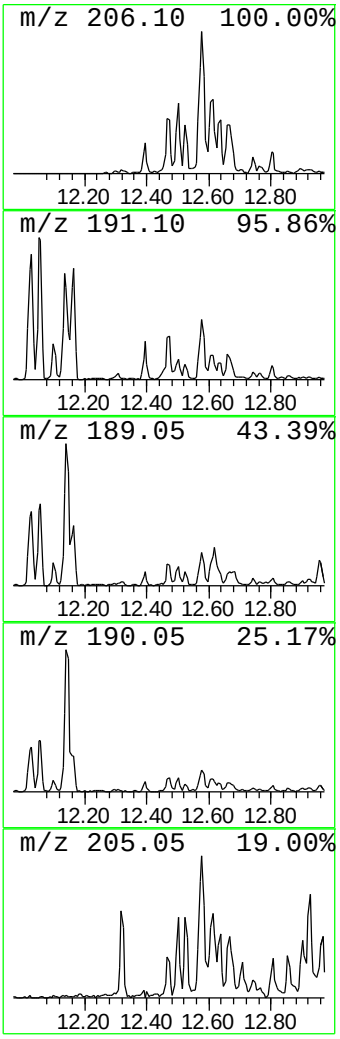
Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	7.46 ng	615236	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	76
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	76





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ClientSampleId : SB4-L-12-7

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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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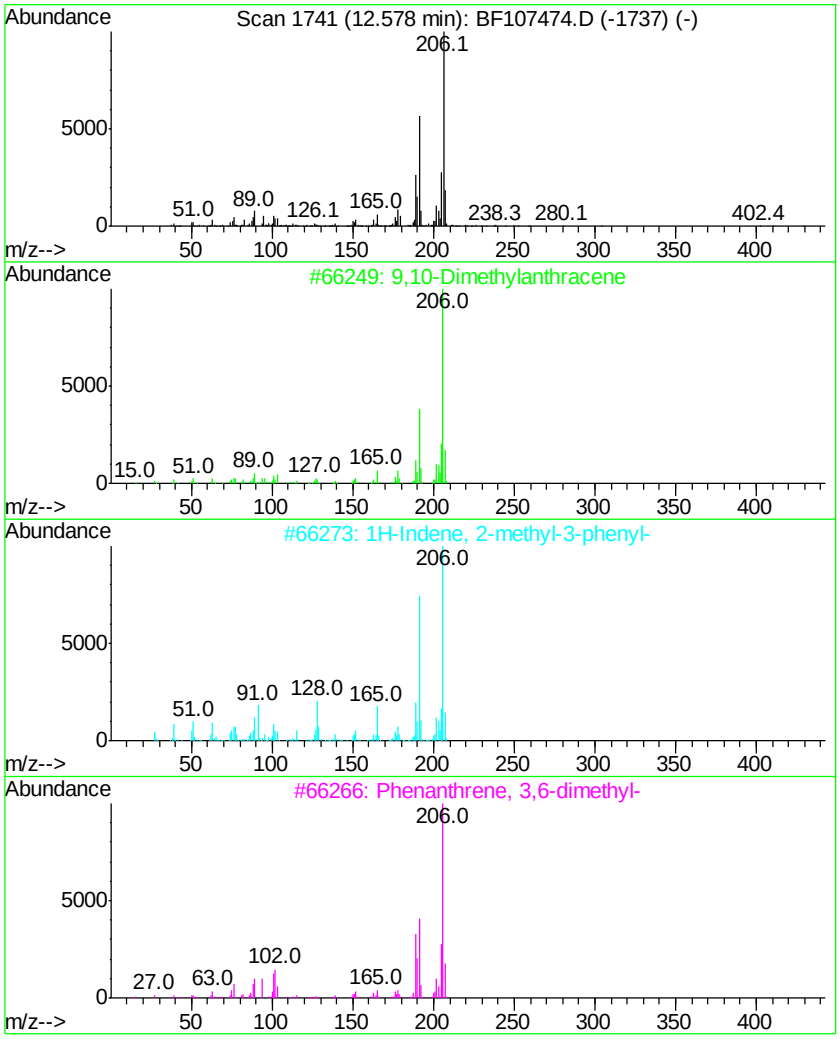
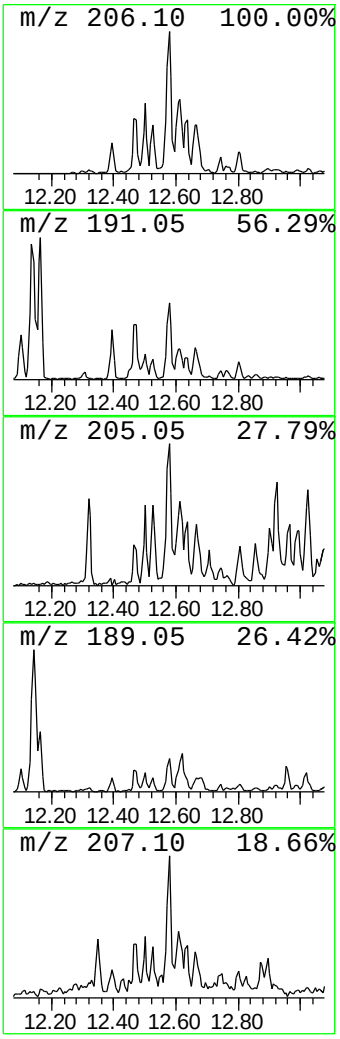
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	17.12 ng	1411590	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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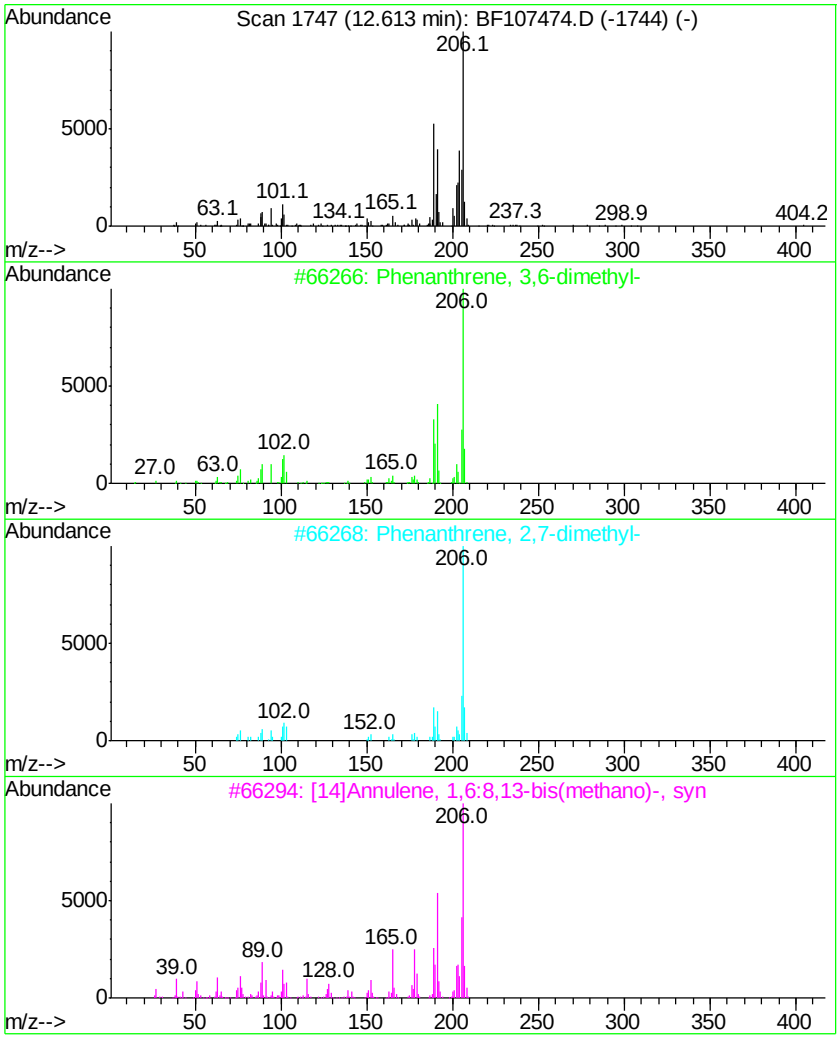
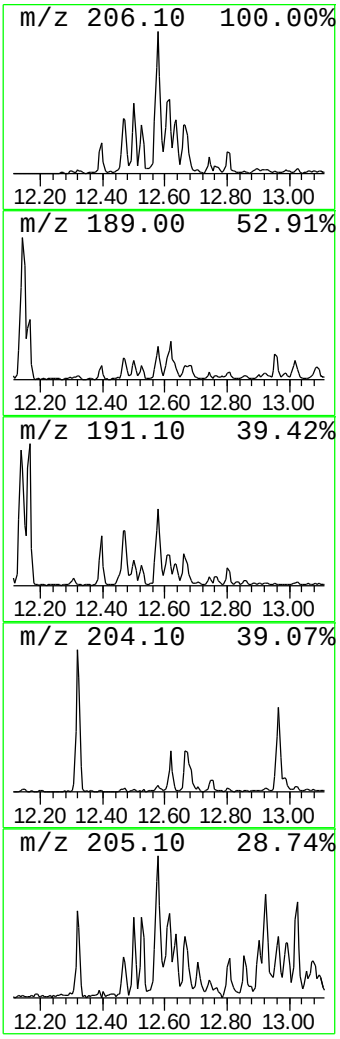
Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	10.83 ng	892991	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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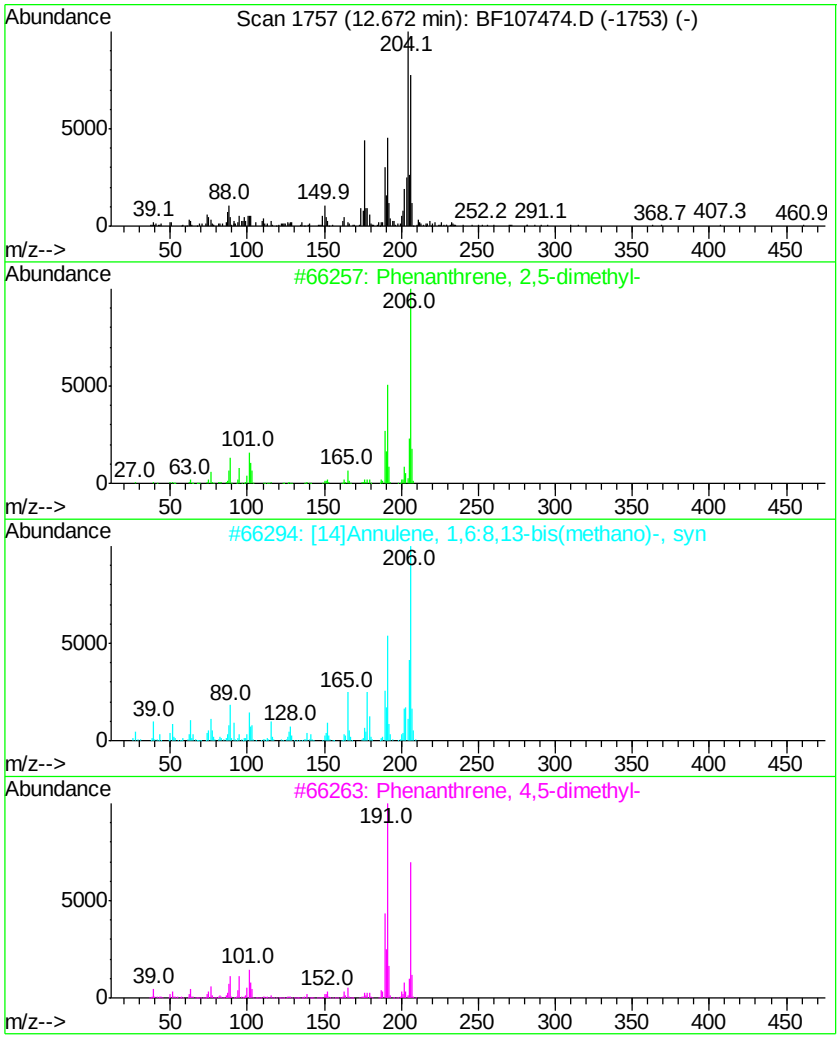
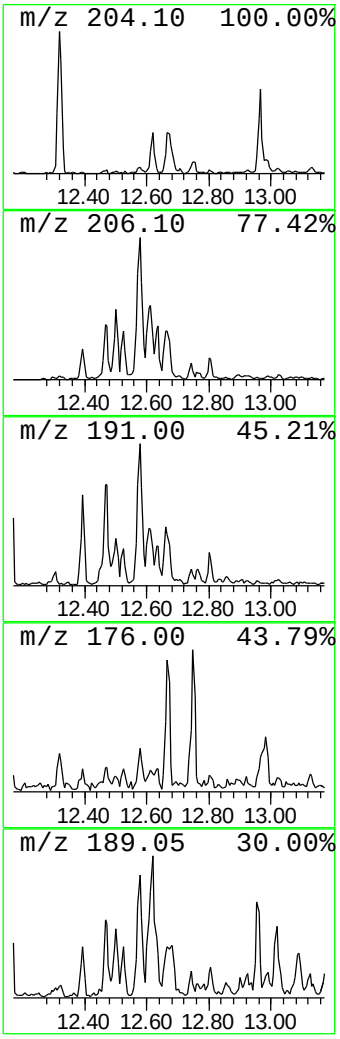
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	11.07 ng	912852	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	49
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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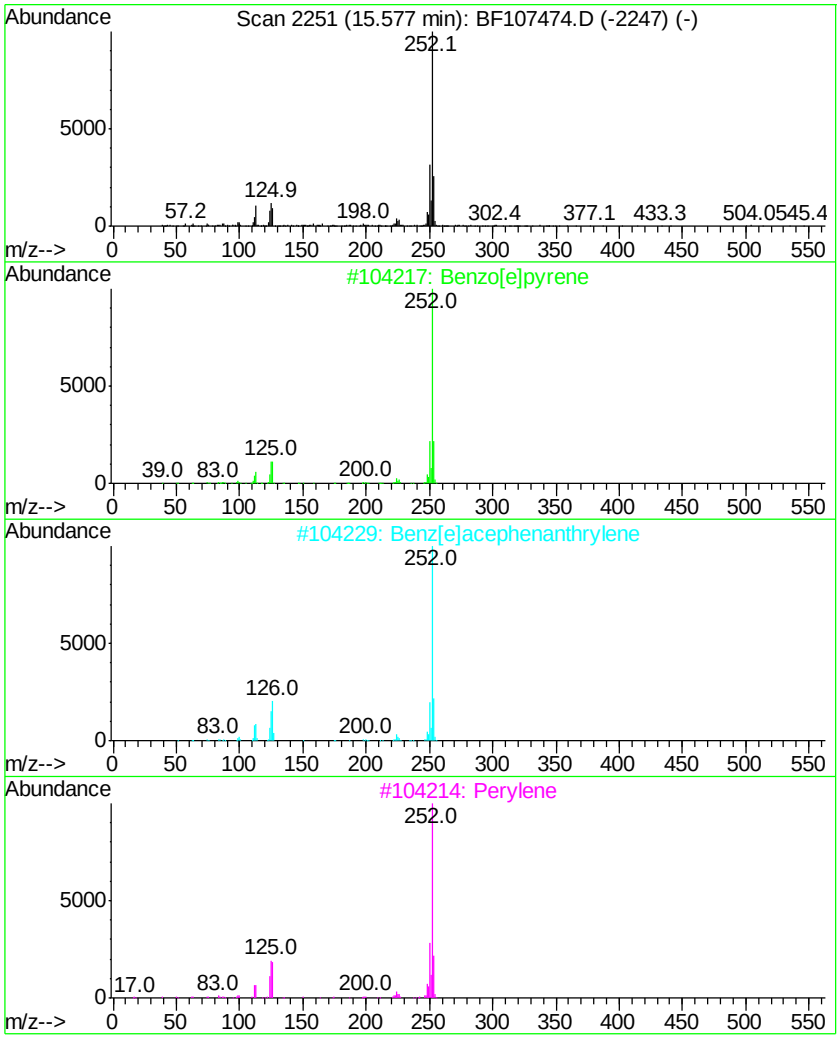
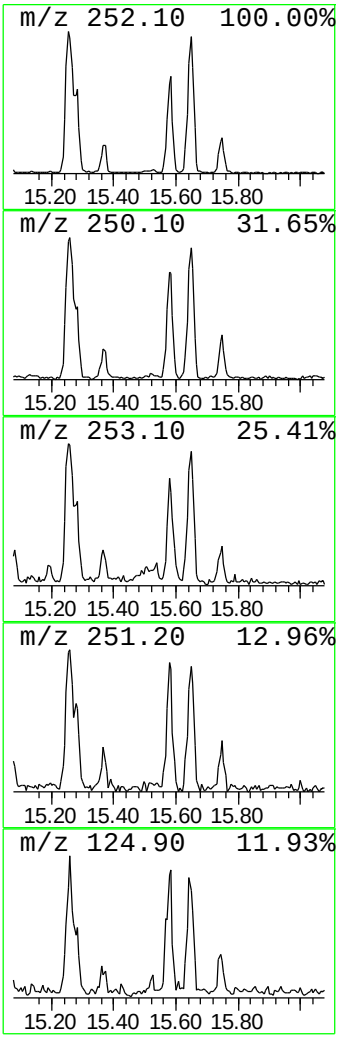
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	18.31 ng	981037	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	1-Phenyl-3-(4-methoxyphenyl)-2-p...	252	C16H16N2O	003314-43-0	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071818\
Data File : BF107474.D
Acq On : 18 Jul 2018 13:47
Operator : JU/SJ
Sample : J4016-17 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB4-L-12-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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
unknown6.75	6.75	15.1	ng	733918	1	6.98	973901	20.0
Naphthalene, 1-me...	9.08	7.0	ng	454871	2	8.27	1309810	20.0
9H-Fluorene, 2-me...	11.12	9.9	ng	812773	4	11.52	1648890	20.0
Benzo[h]cinnoline	11.32	7.1	ng	585906	4	11.52	1648890	20.0
Anthracene, 1,2,3...	11.38	8.5	ng	698938	4	11.52	1648890	20.0
Naphtho[1,2-b]thi...	11.42	9.9	ng	820518	4	11.52	1648890	20.0
Dibenzothiophene,...	11.85	8.1	ng	667393	4	11.52	1648890	20.0
Phenanthrene, 1-m...	12.03	24.1	ng	1989050	4	11.52	1648890	20.0
Anthracene, 2-met...	12.05	26.1	ng	2149950	4	11.52	1648890	20.0
1H-Cyclopropa[l]p...	12.10	8.6	ng	711965	4	11.52	1648890	20.0
4H-Cyclopenta[def...	12.14	31.3	ng	2580750	4	11.52	1648890	20.0
5H-Dibenzo[a,d]cy...	12.17	14.9	ng	1226990	4	11.52	1648890	20.0
Naphthalene, 2-ph...	12.32	12.4	ng	1019200	4	11.52	1648890	20.0
9,10-Anthracenedione	12.35	12.2	ng	1007220	4	11.52	1648890	20.0
Phenanthrene, 4,5...	12.47	7.5	ng	615236	4	11.52	1648890	20.0
9,10-Dimethylanth...	12.58	17.1	ng	1411590	4	11.52	1648890	20.0
Phenanthrene, 3,6...	12.61	10.8	ng	892991	4	11.52	1648890	20.0
Phenanthrene, 2,5...	12.67	11.1	ng	912852	4	11.52	1648890	20.0
Benzo[e]pyrene	15.58	18.3	ng	981037	6	15.71	1071480	20.0