LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

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-BF071620.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	563	566	581	rVB	542842	518625	25.20%	1.967%
2	6.440	737	740	755	rBV	528934	528504	25.68%	2.005%
3	6.640	770	774	779	rBV3	34663	43636	2.12%	0.166%
4	6.804	799	802	806	rBV	998177	853484	41.48%	3.238%
5	7.069	843	847	853	rBV2	26534	37522	1.82%	0.142%
6	7.363	894	897	902	rVB	333426	277442	13.48%	1.052%
7	7.834	974	977	982	rBV6	16598	29488	1.43%	0.112%
8	8.092	1015	1021	1023	rBV	1207381	1081991	52.58%	4.105%
9	8.110	1023	1024	1027	rVB	205025	126708	6.16%	0.481%
10	8.510	1089	1092	1094	rBV2	26900	26014	1.26%	0.099%
11	8.681	1118	1121	1124	rBV2	37599	32220	1.57%	0.122%
12	8.804	1139	1142	1145	rVB	133258	104376	5.07%	0.396%
13	8.904	1155	1159	1163	rBV	97420	100267	4.87%	0.380%
14	9.110	1192	1194	1199	rBV3	41151	36333	1.77%	0.138%
15	9.163	1200	1203	1208	rVB	843379	634305	30.83%	2.406%
16	9.245	1213	1217	1219	rBV	70884	66975	3.25%	0.254%
17	9.363	1234	1237	1242	rVB2	35295	43192	2.10%	0.164%
18	9.433	1242	1249	1252	rBV	87771	126422	6.14%	0.480%
19	9.504	1258	1261	1263	rBV	125388	109369	5.32%	0.415%
20	9.528	1263	1265	1267	rVV	80485	62493	3.04%	0.237%
21	9.557	1267	1270	1274	rVV2	164074	184528	8.97%	0.700%
22	9.622	1278	1281	1286	rVB	66894	71681	3.48%	0.272%
23	9.704	1292	1295	1299	rBV	190973	163866	7.96%	0.622%
24	9.775	1305	1307	1309	rVB	53675	34492	1.68%	0.131%
25	9.845	1312	1319	1322	rBV	1327276	1149829	55.88%	4.362%
26	9.875	1322	1324	1328	rVV	237994	196914	9.57%	0.747%
27	9.910	1328	1330	1333	rVB4	30974	27567	1.34%	0.105%
28	9.951	1333	1337	1341	rVB2	46863	60099	2.92%	0.228%
29	9.998	1341	1345	1347	rBV4	28002	40662	1.98%	0.154%
30	10.045	1349	1353	1358	rVV	164868	157114	7.64%	0.596%
31	10.086	1358	1360	1364	rVV2	69015	55785	2.71%	0.212%
32	10.157	1369	1372	1375	rBV2	72224	85379	4.15%	0.324%
33	10.186	1375	1377	1380	rVV	48976	40113	1.95%	0.152%
34	10.251	1384	1388	1390	rBV2	59185	78515	3.82%	0.298%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.275	1390	1392	1394	rVB2	78094	59343	2.88%	0.225%
36	10.298	1394	1396	1399	rBV	33113	28044	1.36%	0.106%
37	10.392	1408	1412	1418	rVB	279953	279817	13.60%	1.062%
38	10.457	1418	1423	1425	rBV	52528	67939	3.30%	0.258%
39	10.498	1428	1430	1433	rVV2	67304	71426	3.47%	0.271%
40	10.545	1436	1438	1442	rVB2	62350	61357	2.98%	0.233%
41	10.633	1447	1453	1456	rBV	368869	391562	19.03%	1.485%
42	10.757	1469	1474	1481	rVB2	135391	187938	9.13%	0.713%
43	10.939	1501	1505	1507	rBV2	85504	99415	4.83%	0.377%
44	10.969	1507	1510	1513	rVV2	66788	73877	3.59%	0.280%
45	11.022	1517	1519	1522	rVB2	53817	48647	2.36%	0.185%
46	11.069	1522	1527	1529	rBV3	43532	66159	3.22%	0.251%
47	11.092	1529	1531	1536	rVV2	48825	55957	2.72%	0.212%
48	11.133	1536	1538	1542	rVV3	48654	50309	2.44%	0.191%
49	11.192	1543	1548	1551	rVV3	70582	113286	5.51%	0.430%
50	11.227	1551	1554	1560	rVB	168218	169423	8.23%	0.643%
51	11.327	1568	1571	1573	rBV	1123712	1021868	49.66%	3.877%
52	11.351	1573	1575	1579	rVV	1431974	1268515	61.65%	4.812%
53	11.404	1581	1584	1587	rVB	723015	571652	27.78%	2.169%
54	11.439	1587	1590	1593	rBV2	69703	75793	3.68%	0.288%
55	11.563	1608	1611	1616	rBV	159278	156980	7.63%	0.596%
56	11.622	1618	1621	1624	rVB	96382	76153	3.70%	0.289%
57	11.663	1625	1628	1633	rVB2	68863	79324	3.85%	0.301%
58	11.722	1636	1638	1640	rBV	39417	32792	1.59%	0.124%
59	11.739	1640	1641	1646	rVB	48912	47384	2.30%	0.180%
60	11.786	1646	1649	1651	rBV2	30742	32564	1.58%	0.124%
61	11.833	1653	1657	1659	rBV	217572	203438	9.89%	0.772%
62	11.857	1659	1661	1665	rVB	300650	258751	12.57%	0.982%
63	11.904	1666	1669	1672	rBV	142212	139852	6.80%	0.531%
64	11.945	1672	1676	1678	rVV2	414048	448260	21.78%	1.700%
65	11.963	1678	1679	1684	rVB	178270	143141	6.96%	0.543%
66	12.033	1688	1691	1693	rVV2	61768	62490	3.04%	0.237%
67	12.063	1694	1696	1699	rVB2	42491	34555	1.68%	0.131%
68	12.127	1704	1707	1709	rVV	167825	149727	7.28%	0.568%
69	12.151	1709	1711	1715	rVB2	60712	72306	3.51%	0.274%
70	12.257	1727	1729	1730	rBV2	42072	34178	1.66%	0.130%
71	12.274	1730	1732	1735	rVB	68036	49482	2.40%	0.188%

LSC Area Percent Report

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Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.304	1735	1737	1740	rBV	105664	101538	4.93%	0.385%
73	12.380	1747	1750	1753	rBV	191806	200313	9.73%	0.760%
74	12.421	1753	1757	1762	rVV5	207957	392256	19.06%	1.488%
75	12.469	1762	1765	1769	rVV2	112784	126396	6.14%	0.479%
76	12.545	1774	1778	1781	rVV	2137794	1778905	86.45%	6.748%
77	12.586	1783	1785	1787	rVV	57316	54022	2.63%	0.205%
78	12.639	1791	1794	1796	rBV2	87141	79719	3.87%	0.302%
79	12.698	1801	1804	1807	rVV3	83923	107736	5.24%	0.409%
80	12.774	1811	1817	1820	rBV	1908815	2057695	100.00%	7.806%
81	12.827	1823	1826	1829	rVB2	77223	104821	5.09%	0.398%
82	12.892	1834	1837	1838	rBV2	102534	99054	4.81%	0.376%
83	12.910	1838	1840	1848	rVB	708695	721991	35.09%	2.739%
84	12.986	1850	1853	1857	rBV2	121463	178303	8.67%	0.676%
85	13.074	1866	1868	1869	rBV2	90195	73459	3.57%	0.279%
86	13.098	1869	1872	1875	rVB	350231	353043	17.16%	1.339%
87	13.145	1878	1880	1881	rBV	71073	54984	2.67%	0.209%
88	13.163	1881	1883	1886	rVB	268289	241161	11.72%	0.915%
89	13.204	1887	1890	1893	rBV2	206924	190101	9.24%	0.721%
90	13.298	1903	1906	1908	rVB	115413	88006	4.28%	0.334%
91	13.327	1908	1911	1914	rBV	136421	125796	6.11%	0.477%
92	13.745	1980	1982	1984	rBV	109153	74348	3.61%	0.282%
93	13.768	1984	1986	1988	rBV	96917	97004	4.71%	0.368%
94	13.816	1992	1994	1998	rVB2	154014	152827	7.43%	0.580%
95	13.968	2015	2020	2023	rBV2	1402695	1943219	94.44%	7.372%
96	13.998	2023	2025	2028	rVB	779148	585288	28.44%	2.220%
97	14.074	2036	2038	2041	rBV	174050	134356	6.53%	0.510%
98	15.004	2193	2196	2203	rVB	518962	966378	46.96%	3.666%
99	15.362	2254	2257	2263	rVB	451983	534850	25.99%	2.029%
100	15.427	2264	2268	2271	rBV	567300	773314	37.58%	2.934%

Sum of corrected areas: 26360497

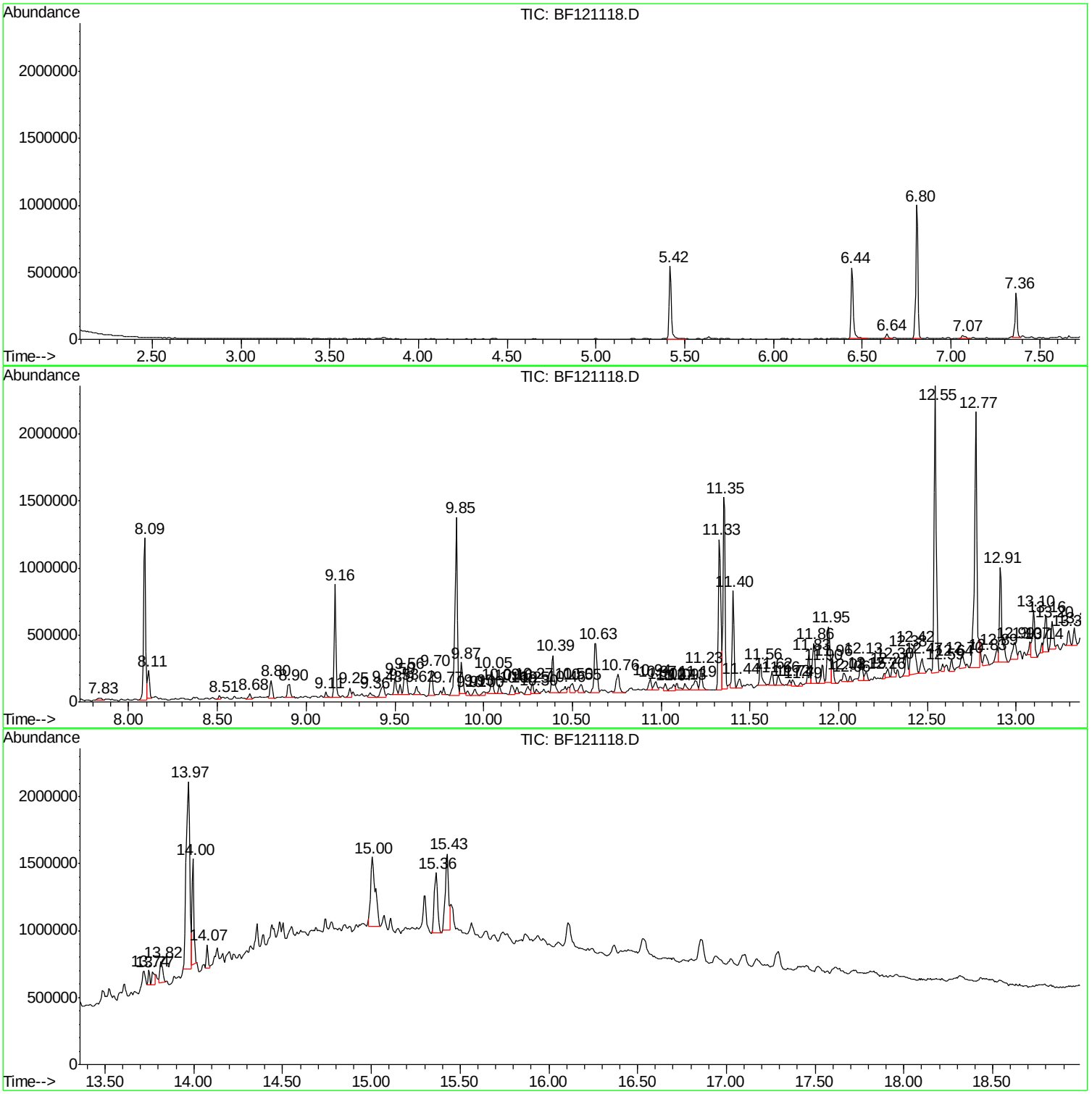
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

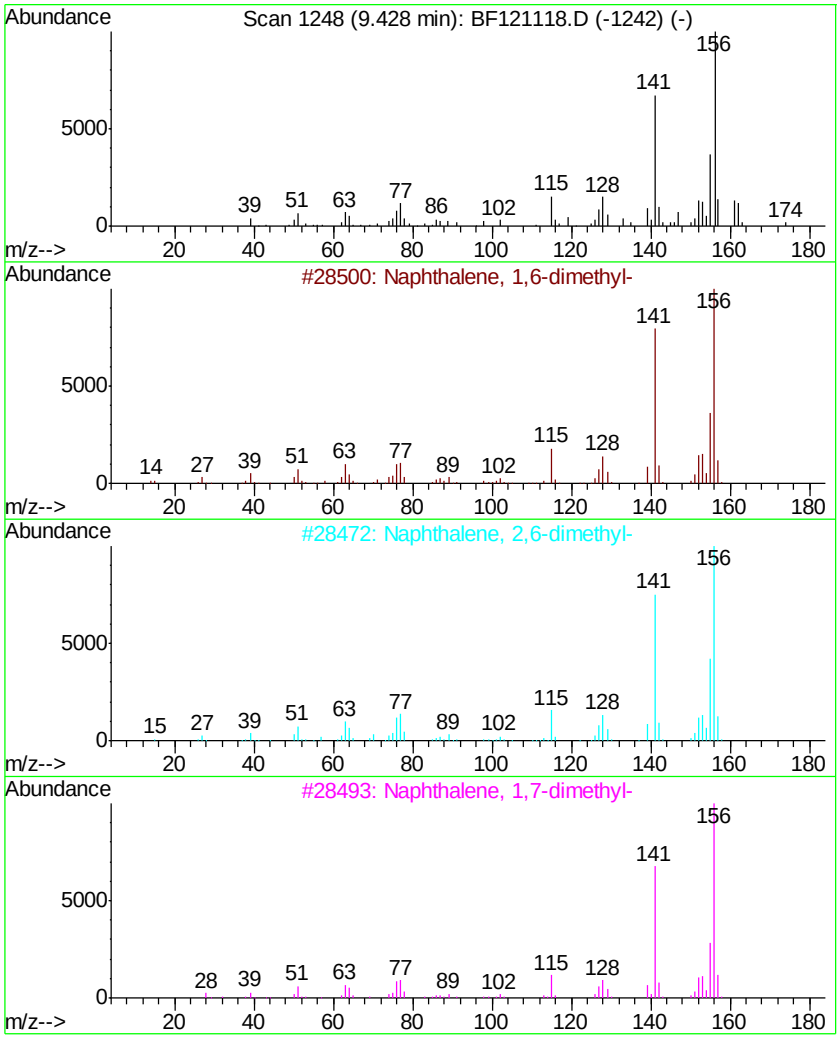
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

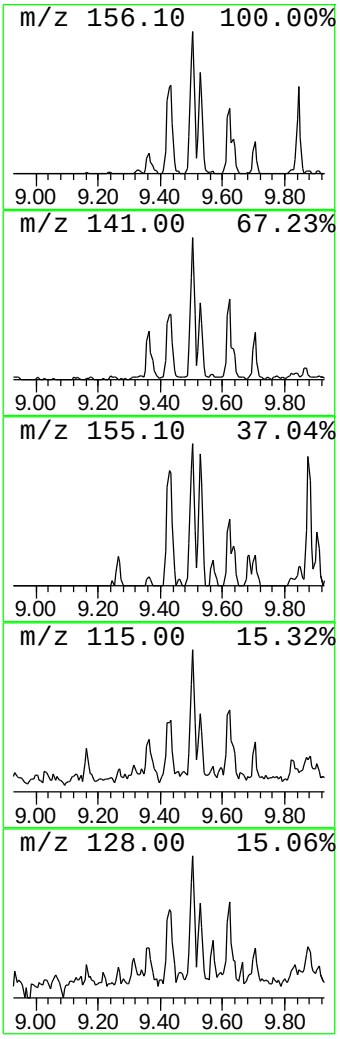
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	2.20 ng	126422	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

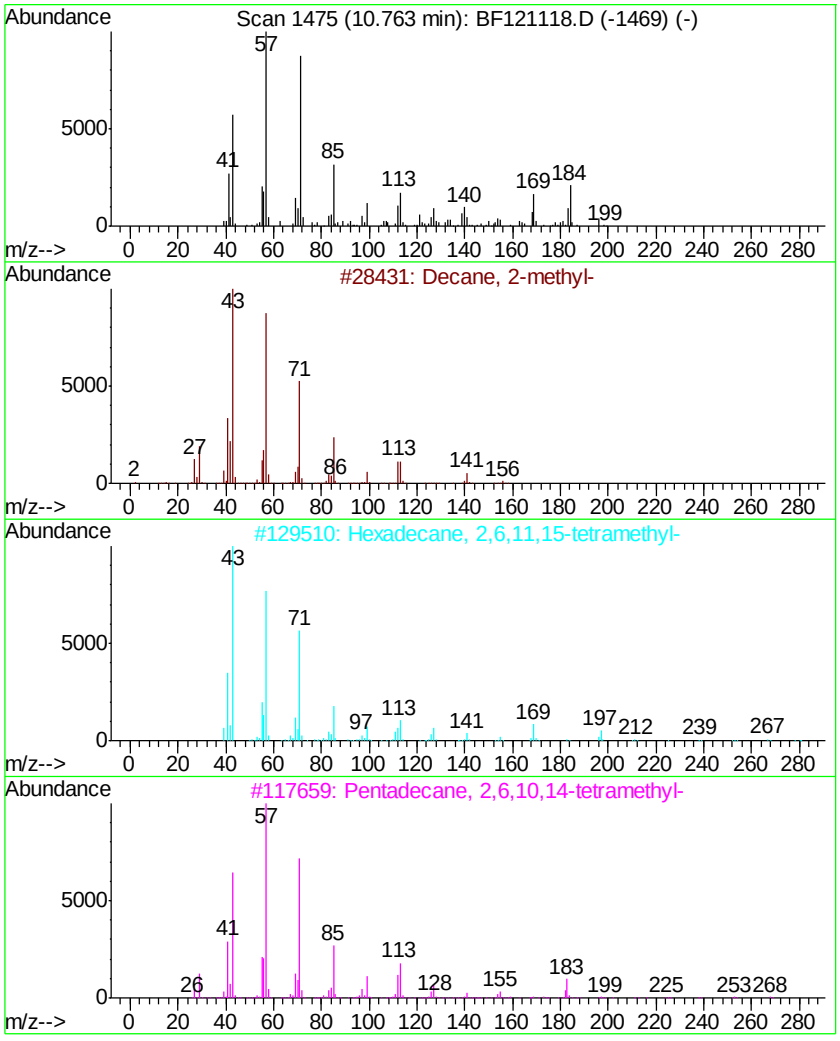
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

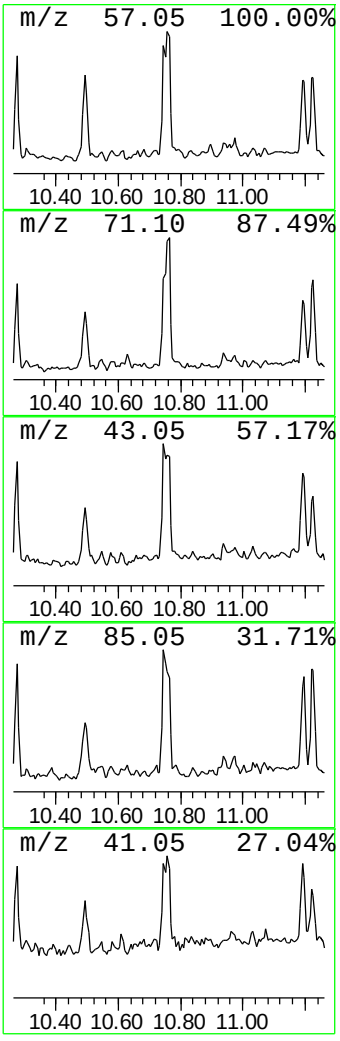
****

Peak Number 3 unknown10.76 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.68 ng	187938	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	46
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	46
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	45
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	43
5	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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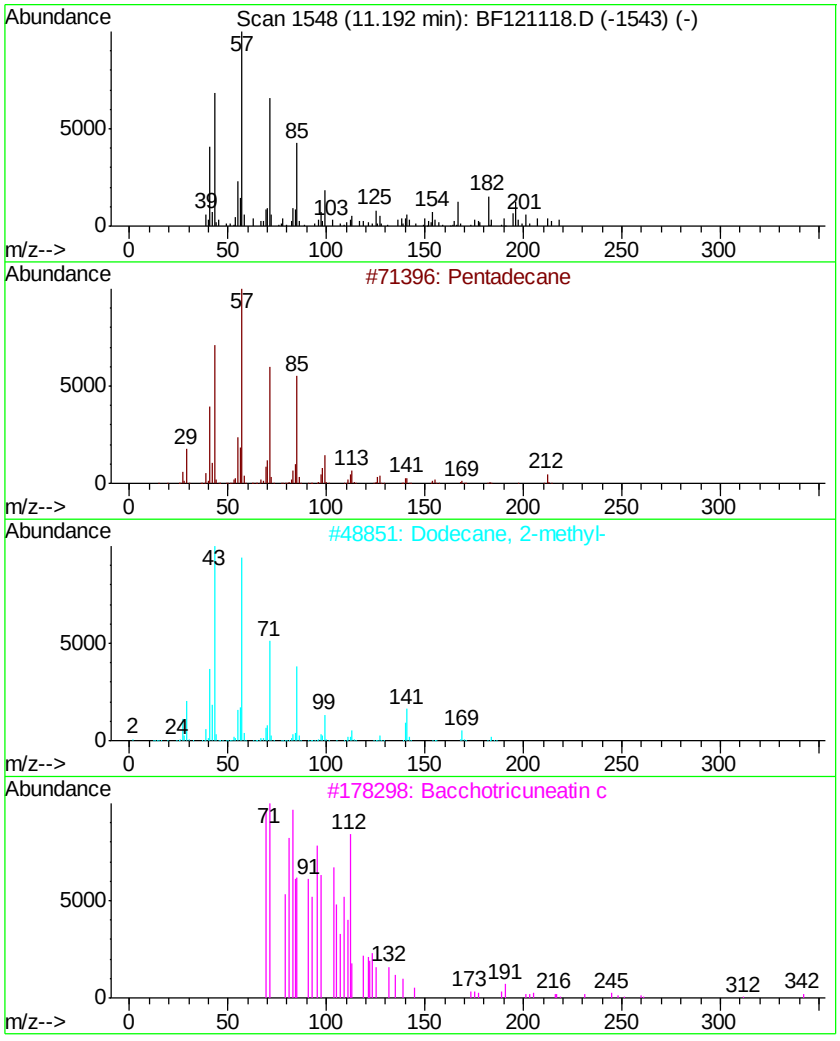
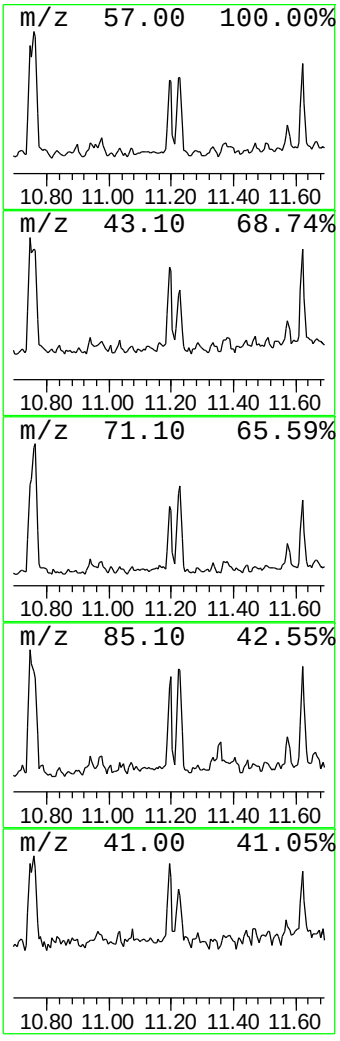
Peak Number 4 Pentadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.22 ng	113286	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	89
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	62
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	60
4	Tetracosane	338	C24H50	000646-31-1	58
5	Heptacosane	380	C27H56	000593-49-7	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

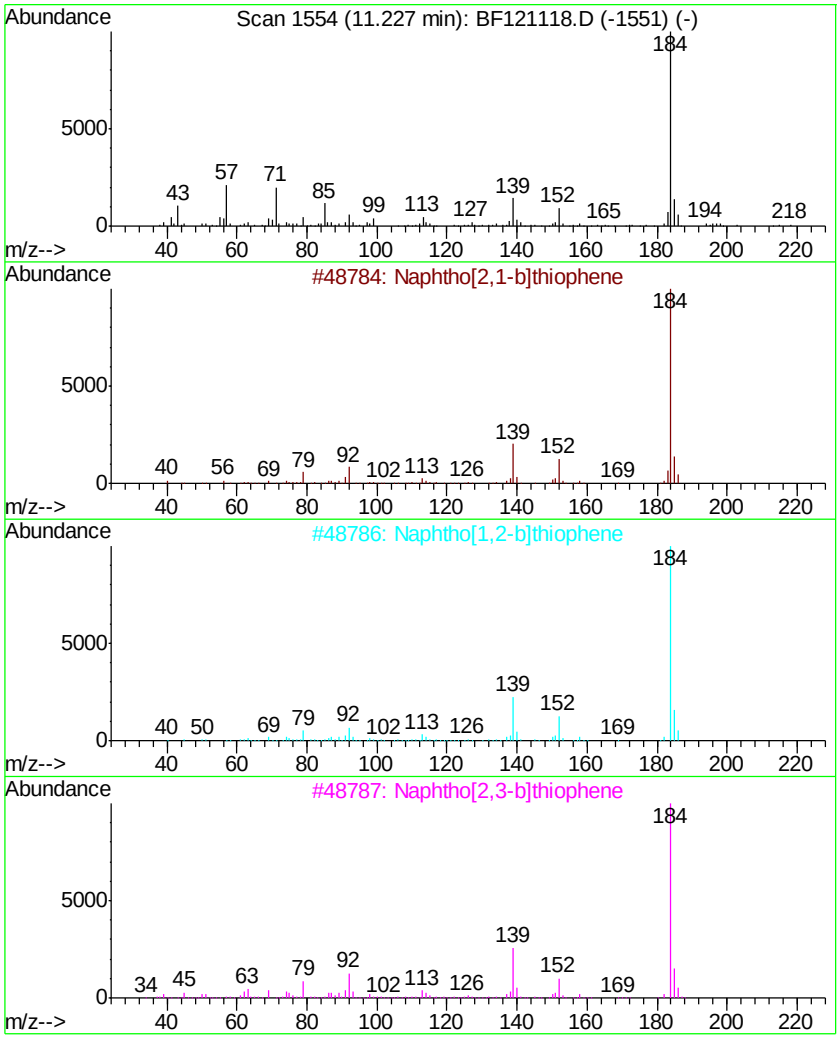
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

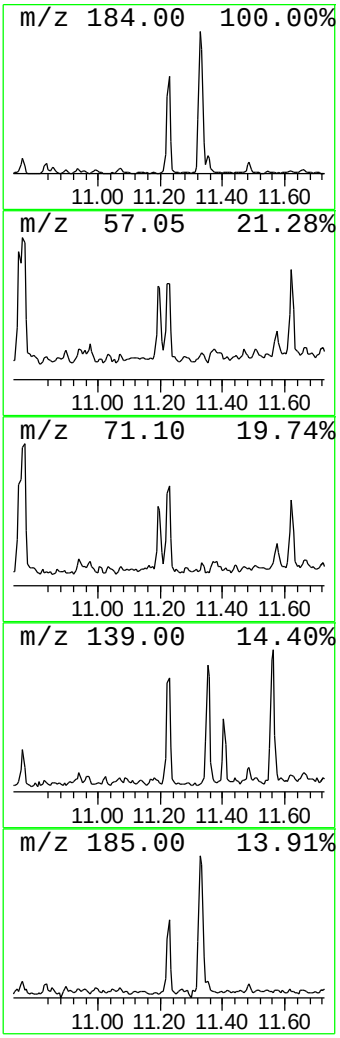
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.32 ng	169423	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	89
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

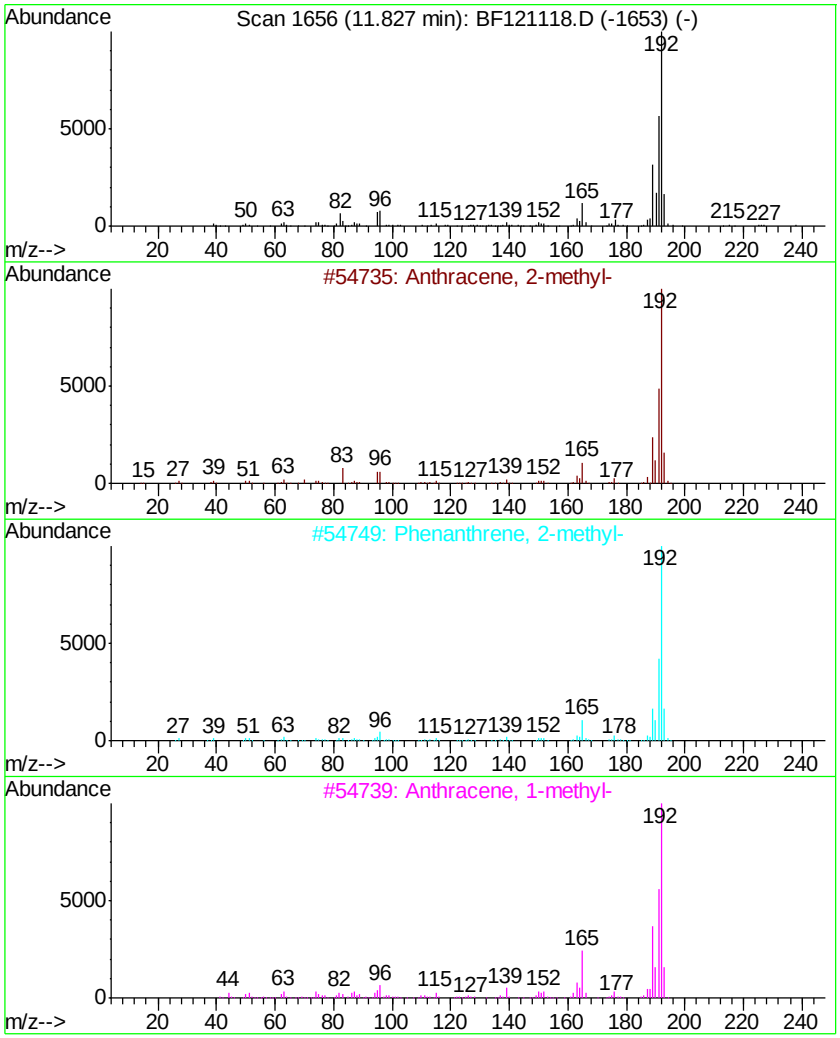
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

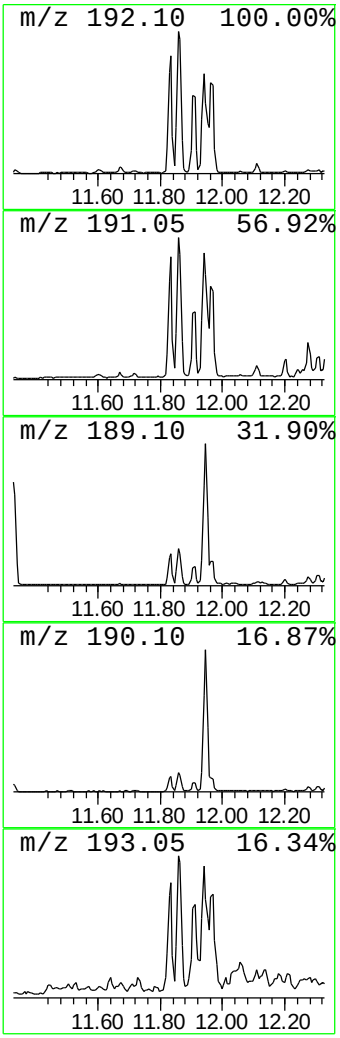
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.98 ng	203438	Phenanthrene-d10	11.33

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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

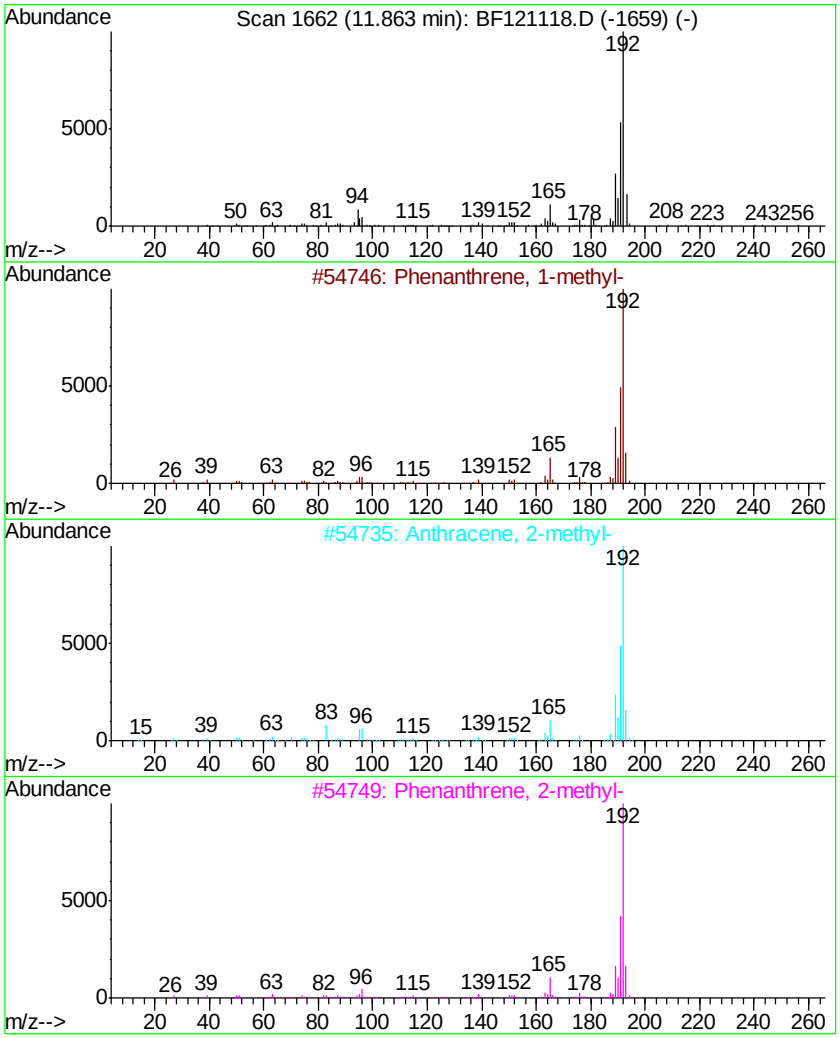
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

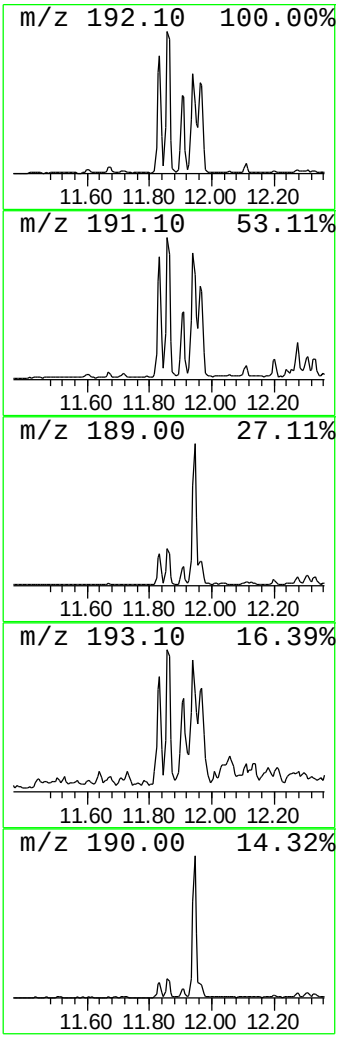
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.06 ng	258751	Phenanthrene-d10	11.33

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





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

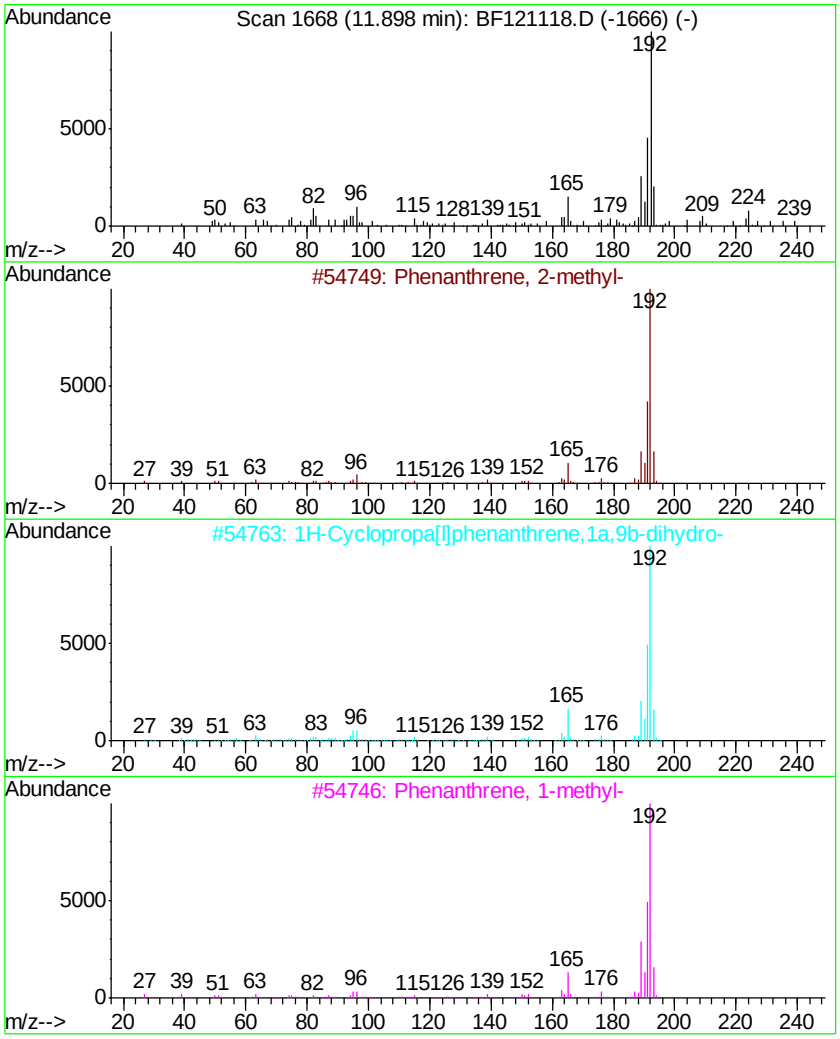
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

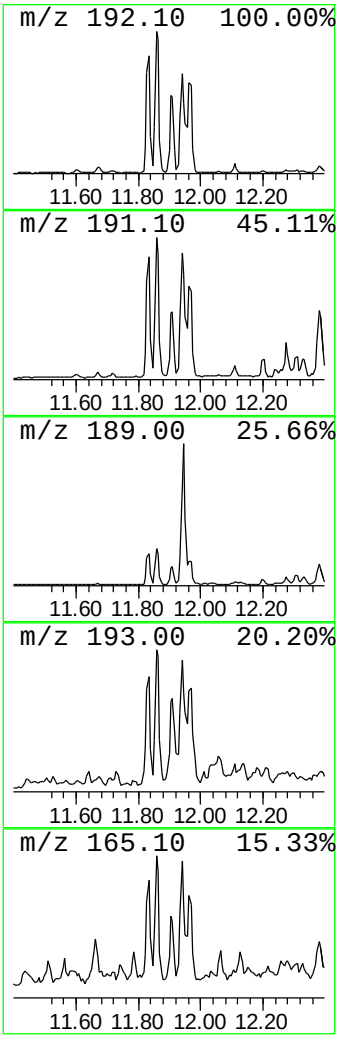
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.74 ng	139852	Phenanthrene-d10	11.33

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





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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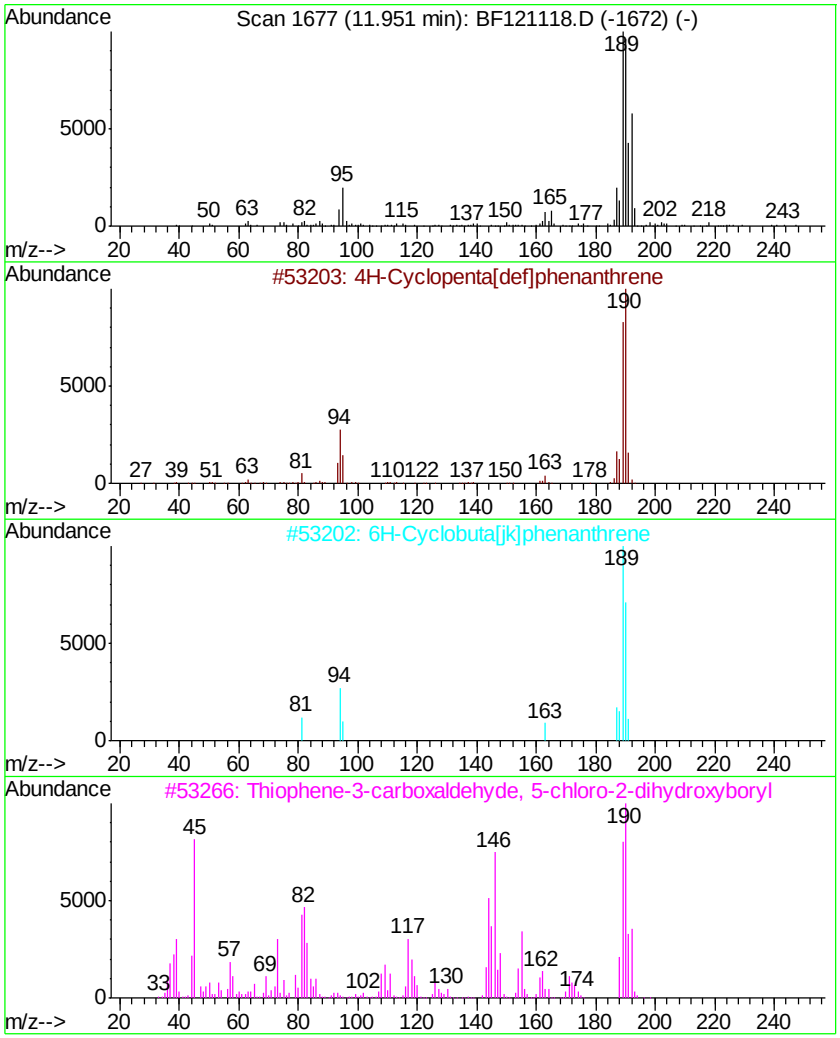
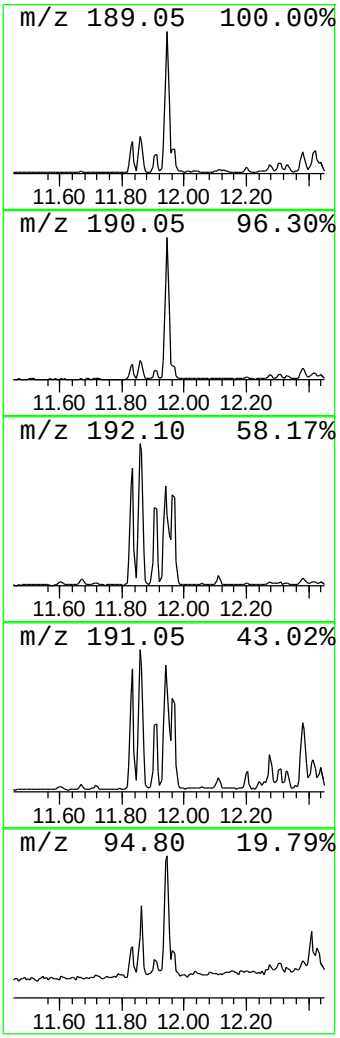
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	8.77 ng	448260	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	27





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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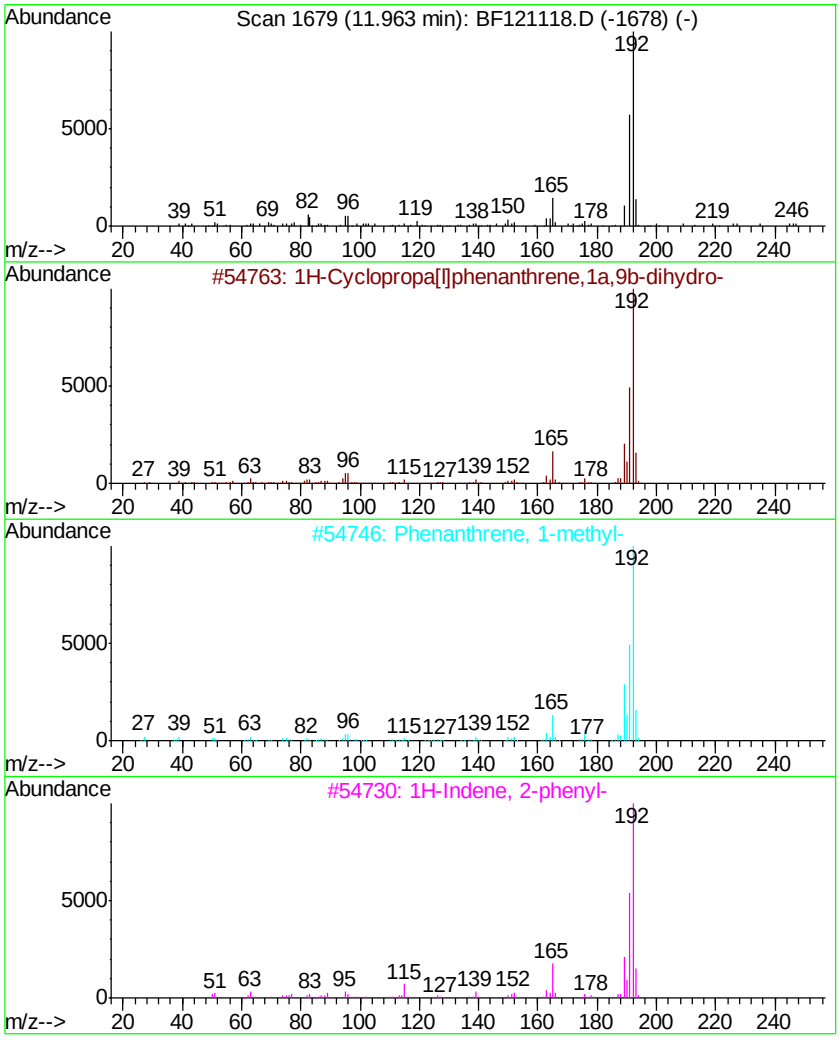
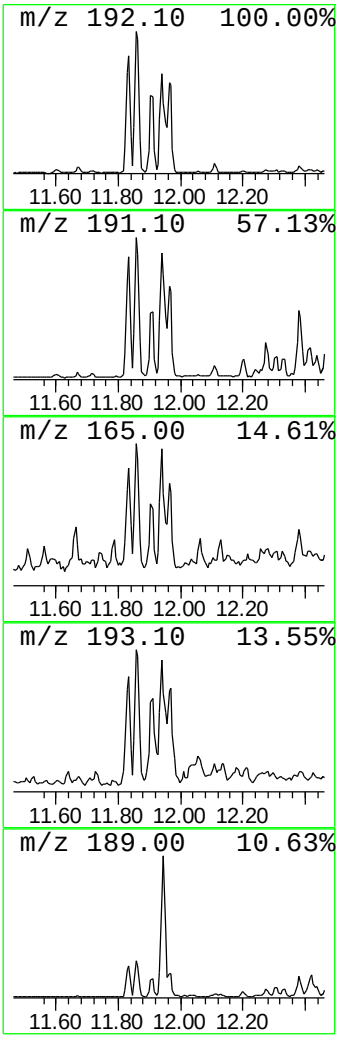
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.80 ng	143141	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

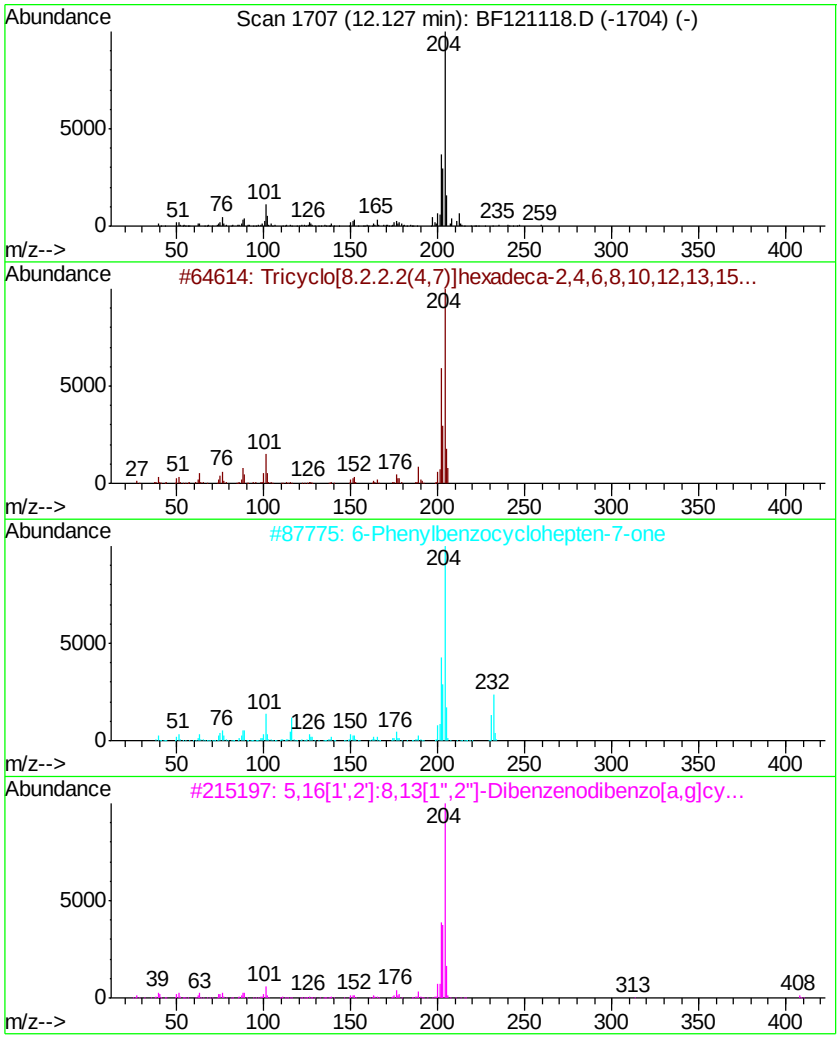
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

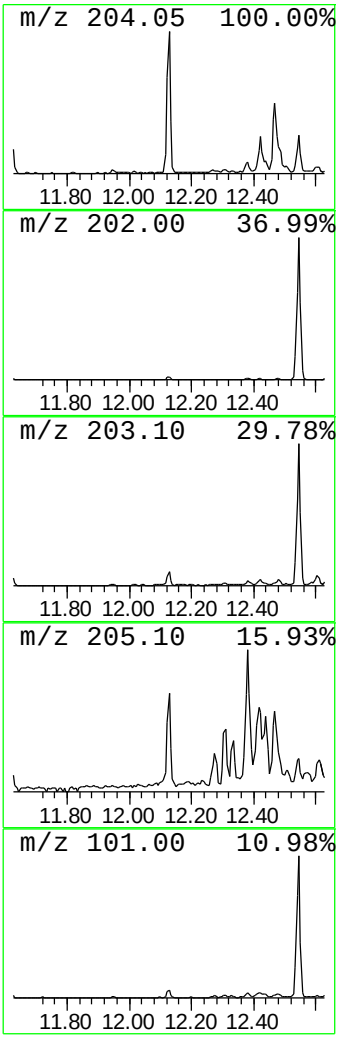
****

Peak Number 11 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.93 ng	149727	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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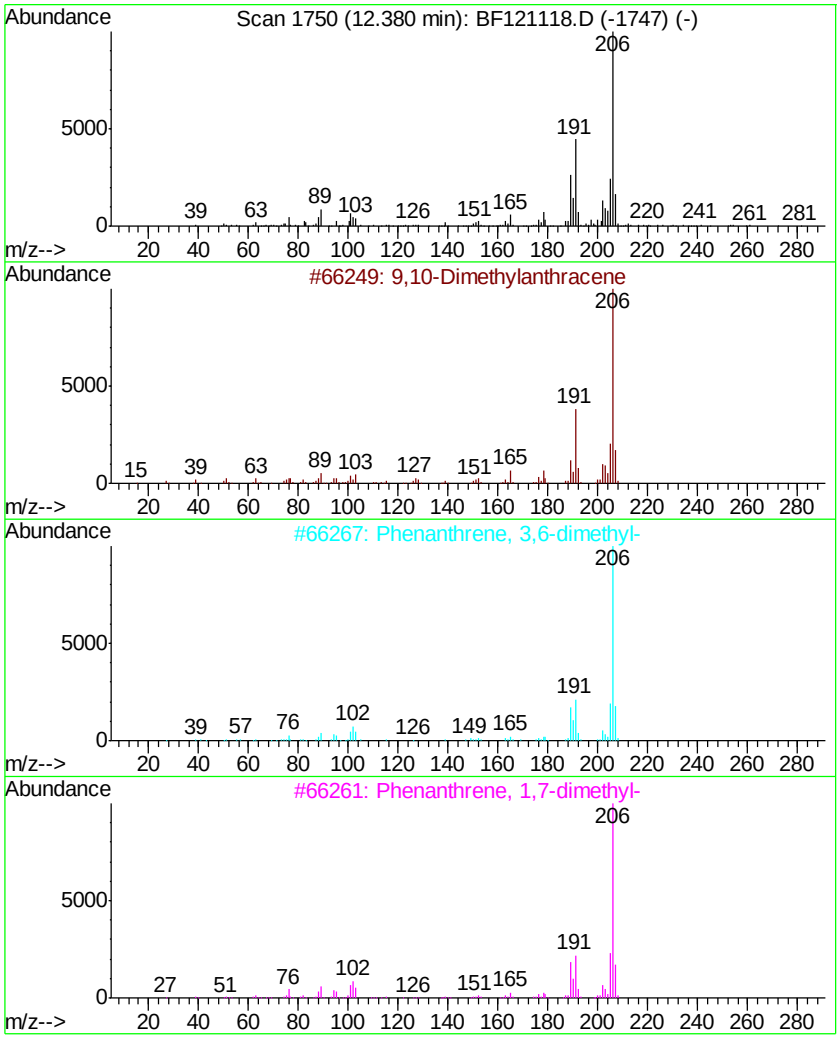
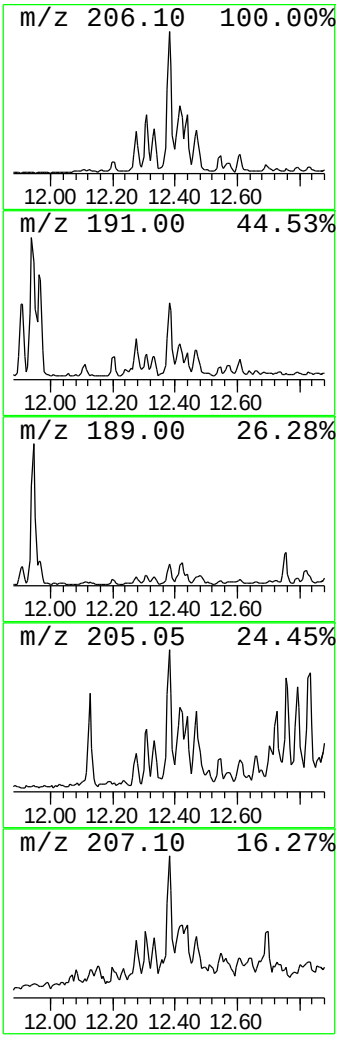
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	3.92 ng	200313	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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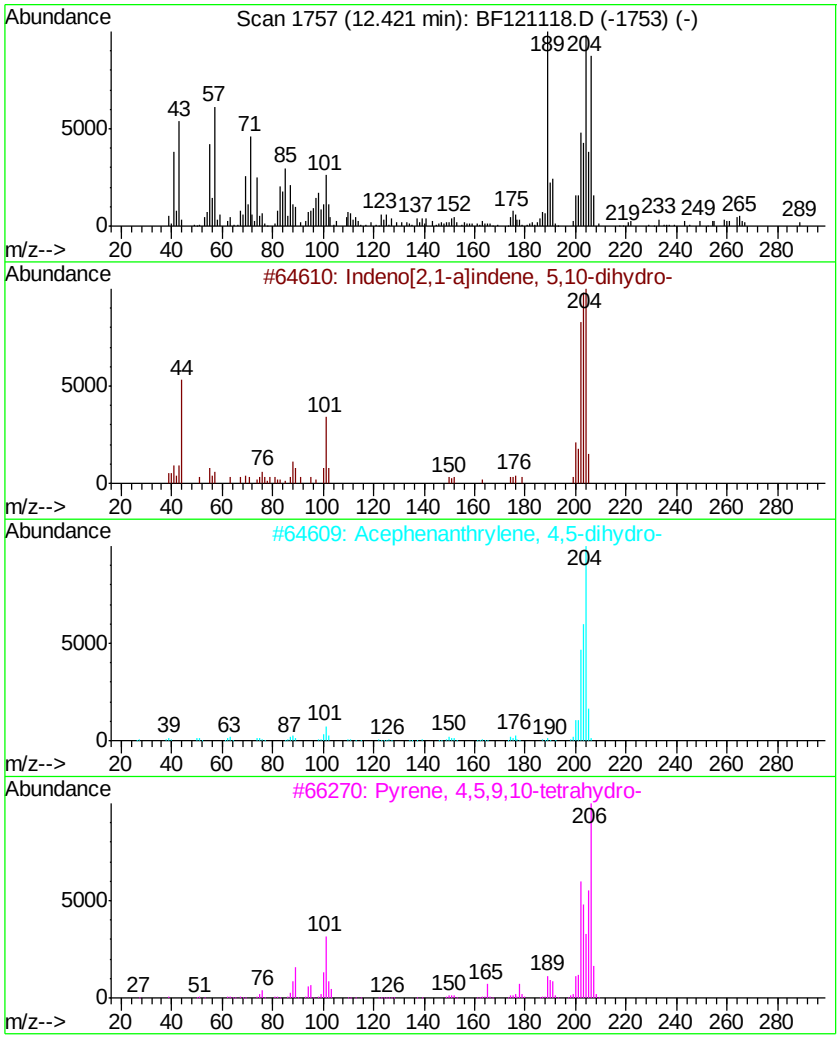
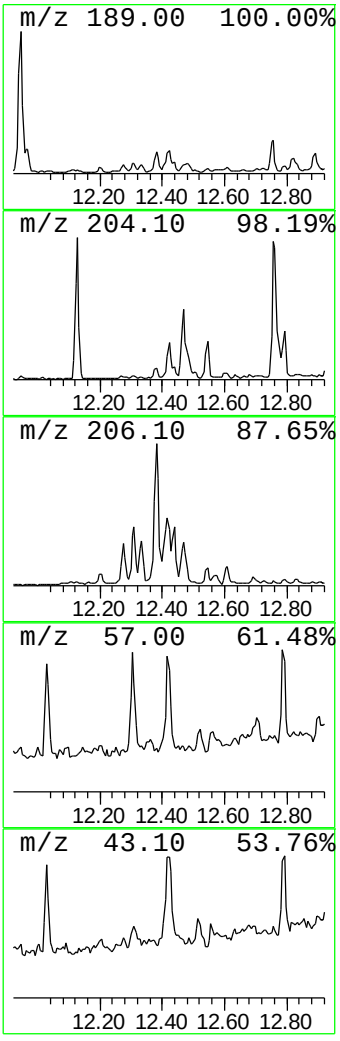
Peak Number 13 unknown12.42 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.68 ng	392256	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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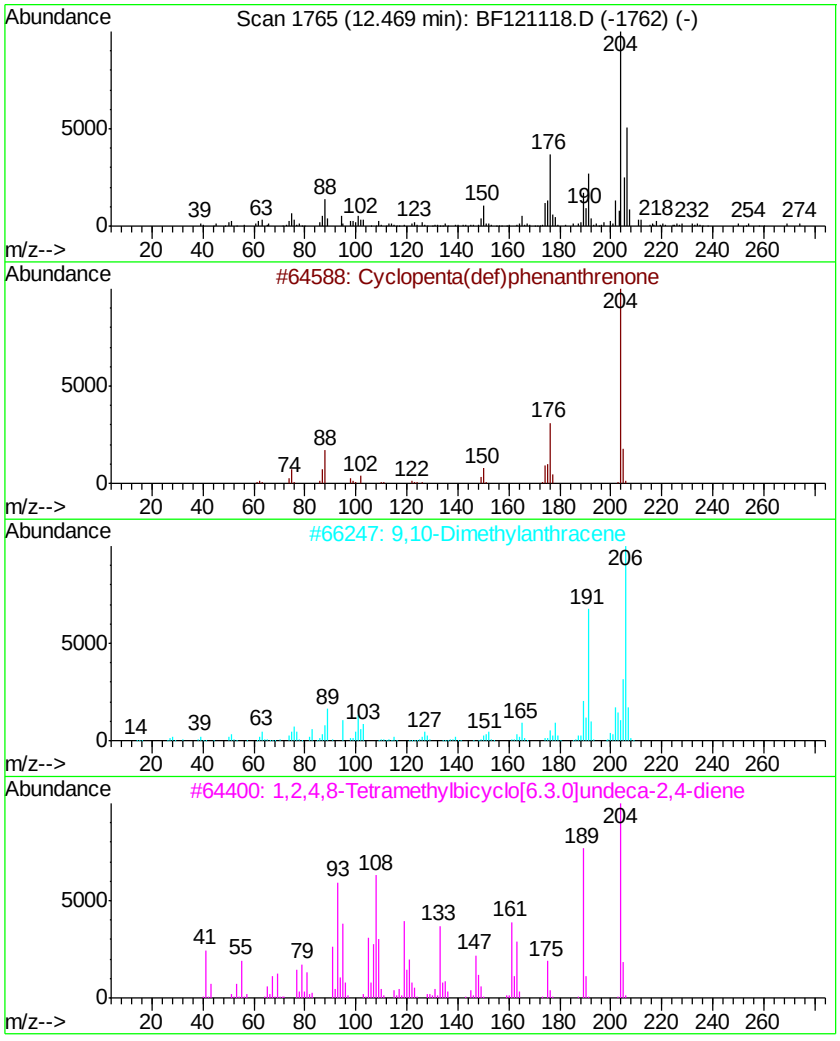
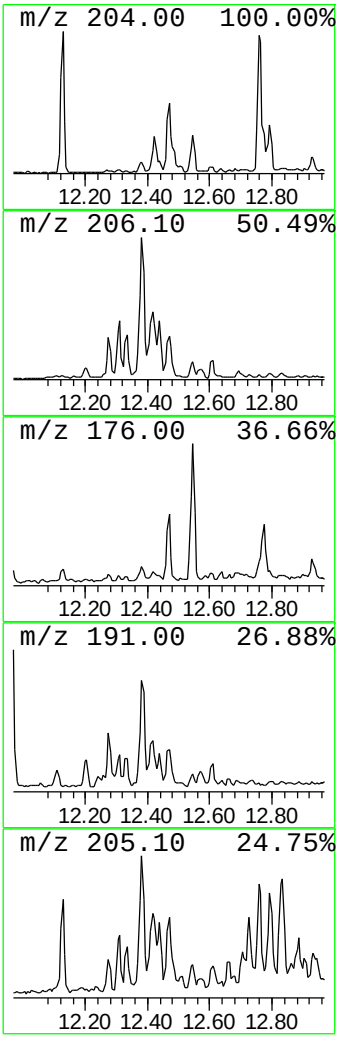
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.47 ng	126396	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	Benzene, (cyclopropylidenephenyl...	206	C16H14	007632-57-7	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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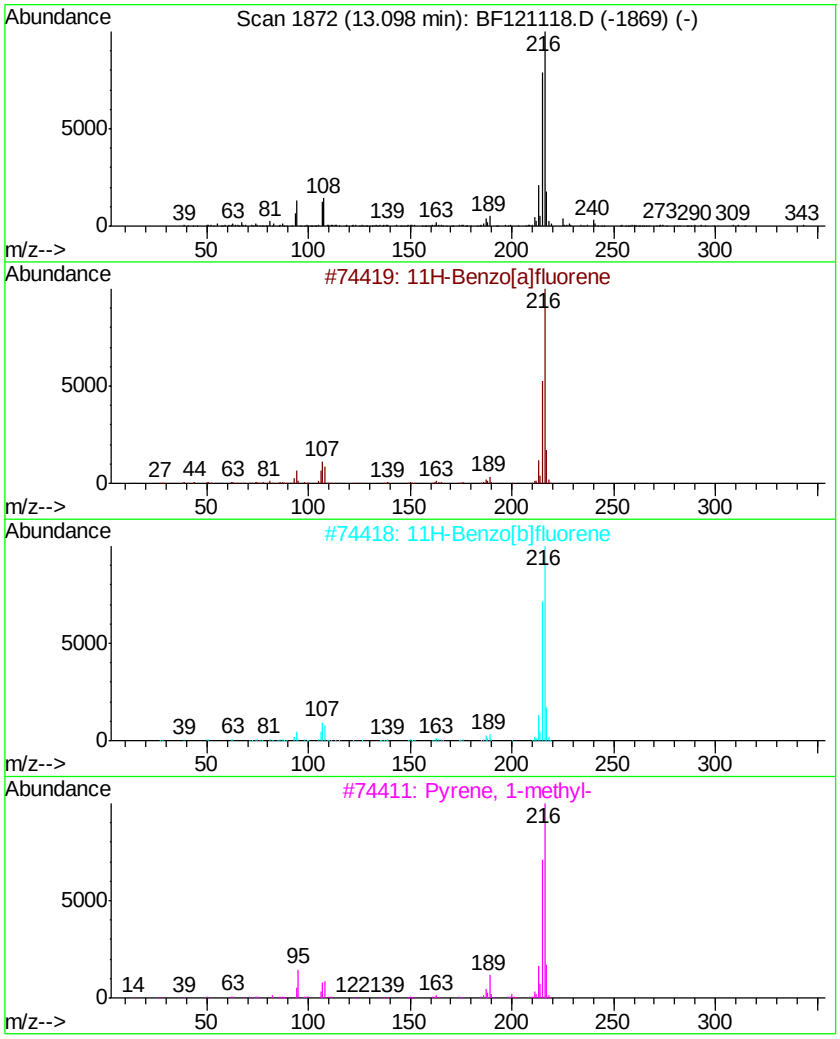
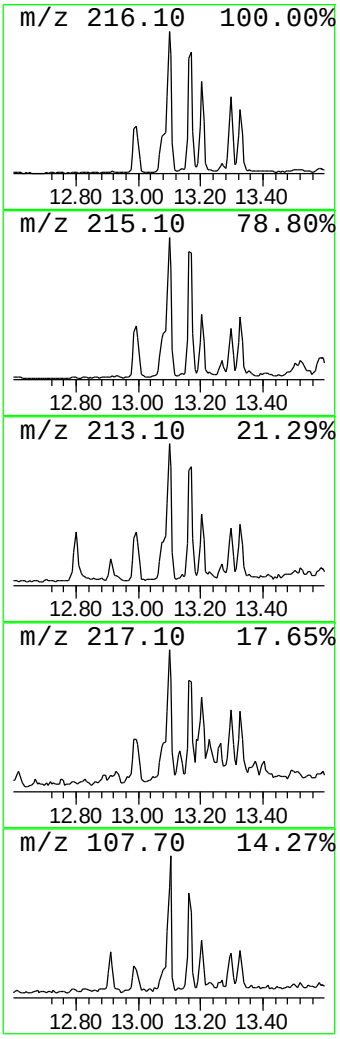
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.63 ng	353043	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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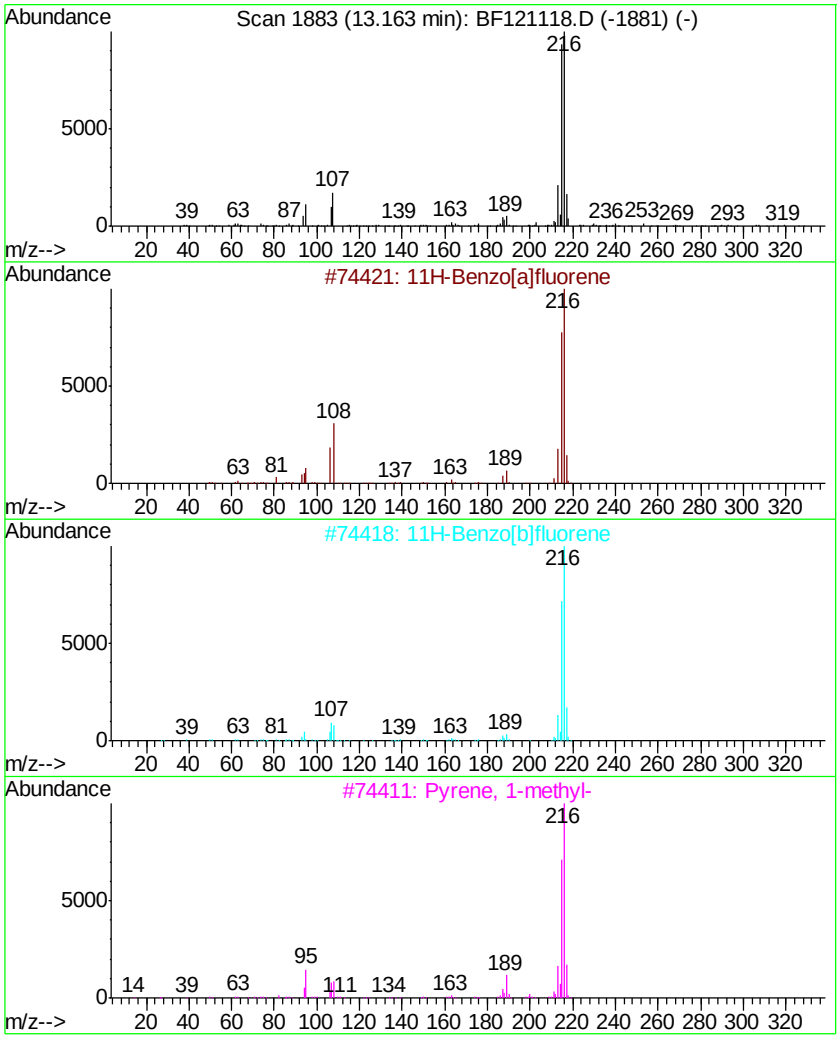
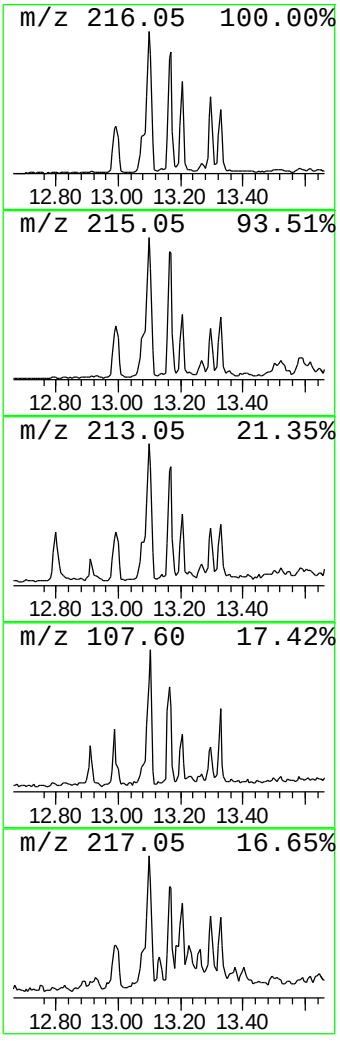
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.48 ng	241161	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
Naphthalene, 1,6-...	9.43	2.2	ng	126422	3	9.85	1149830	20.0
unknown10.76	10.76	3.7	ng	187938	4	11.33	1021870	20.0
Pentadecane	11.19	2.2	ng	113286	4	11.33	1021870	20.0
Naphtho[2,1-b]thi...	11.23	3.3	ng	169423	4	11.33	1021870	20.0
Anthracene, 2-met...	11.83	4.0	ng	203438	4	11.33	1021870	20.0
Phenanthrene, 1-m...	11.86	5.1	ng	258751	4	11.33	1021870	20.0
Phenanthrene, 2-m...	11.90	2.7	ng	139852	4	11.33	1021870	20.0
4H-Cyclopenta[def...	11.95	8.8	ng	448260	4	11.33	1021870	20.0
1H-Cyclopropa[l]p...	11.96	2.8	ng	143141	4	11.33	1021870	20.0
Tricyclo[8.2.2.2(...	12.13	2.9	ng	149727	4	11.33	1021870	20.0
9,10-Dimethylanth...	12.38	3.9	ng	200313	4	11.33	1021870	20.0
unknown12.42	12.42	7.7	ng	392256	4	11.33	1021870	20.0
Cyclopenta(def)ph...	12.47	2.5	ng	126396	4	11.33	1021870	20.0
11H-Benzo[a]fluorene	13.10	3.6	ng	353043	5	13.97	1943220	20.0
11H-Benzo[b]fluorene	13.16	2.5	ng	241161	5	13.97	1943220	20.0