LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

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-BF040820.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	4.892	474	477	483	rBV	54714	60419	3.08%	0.187%
2	5.322	546	550	561	rBV	698486	670430	34.17%	2.073%
3	6.351	721	725	737	rBV	895904	738127	37.62%	2.282%
4	6.722	785	788	792	rBV	1069874	862027	43.93%	2.665%
5	6.875	811	814	818	rBV	657617	594030	30.27%	1.837%
6	7.281	880	883	890	rBV	514919	446700	22.76%	1.381%
7	8.010	1003	1007	1009	rBV	1331373	1091198	55.61%	3.374%
8	8.028	1009	1010	1014	rVB	103646	69128	3.52%	0.214%
9	8.722	1123	1128	1132	rBV	185146	144941	7.39%	0.448%
10	8.822	1140	1145	1149	rBV	218558	176345	8.99%	0.545%
11	9.086	1186	1190	1193	rBV	1046980	798377	40.69%	2.468%
12	9.186	1202	1207	1209	rBV2	51805	57937	2.95%	0.179%
13	9.351	1231	1235	1239	rVV	108152	141361	7.20%	0.437%
14	9.422	1243	1247	1250	rVV	204561	207602	10.58%	0.642%
15	9.451	1250	1252	1255	rVV	121433	103420	5.27%	0.320%
16	9.480	1255	1257	1262	rVV2	89284	106670	5.44%	0.330%
17	9.539	1265	1267	1272	rVB	99091	105749	5.39%	0.327%
18	9.622	1277	1281	1287	rBV	140911	136435	6.95%	0.422%
19	9.763	1300	1305	1308	rBV	1289891	1155832	58.90%	3.574%
20	9.798	1308	1311	1315	rVV	320814	274738	14.00%	0.849%
21	9.874	1320	1324	1327	rBV2	48242	62026	3.16%	0.192%
22	9.969	1334	1340	1344	rVB	239093	203080	10.35%	0.628%
23	10.010	1344	1347	1350	rBV	75694	58561	2.98%	0.181%
24	10.080	1356	1359	1362	rBV2	70680	73810	3.76%	0.228%
25	10.174	1371	1375	1376	rBV	52450	56092	2.86%	0.173%
26	10.204	1376	1380	1385	rVV4	39713	70510	3.59%	0.218%
27	10.263	1385	1390	1395	rVV7	36073	60502	3.08%	0.187%
28	10.310	1395	1398	1405	rVV	520022	487128	24.82%	1.506%
29	10.380	1405	1410	1411	rVV2	72991	98924	5.04%	0.306%
30	10.398	1411	1413	1415	rVV2	96602	80263	4.09%	0.248%
31	10.427	1415	1418	1420	rVV2	67115	73637	3.75%	0.228%
32	10.469	1423	1425	1431	rVV	123922	120455	6.14%	0.372%
33	10.551	1435	1439	1444	rVV	533431	501443	25.55%	1.550%
34	10.680	1457	1461	1467	rVB2	100333	112398	5.73%	0.348%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.863	1486	1492	1494	rBV2	139990	172164	8.77%	0.532%
36	10.886	1494	1496	1500	rVV	100598	101819	5.19%	0.315%
37	10.945	1503	1506	1508	rVV	79878	75989	3.87%	0.235%
38	11.010	1515	1517	1523	rVV2	75717	97994	4.99%	0.303%
39	11.104	1529	1533	1535	rVV	64005	73145	3.73%	0.226%
40	11.145	1538	1540	1546	rVB	232131	223331	11.38%	0.690%
41	11.251	1554	1558	1560	rBV	1081473	968959	49.38%	2.996%
42	11.274	1560	1562	1566	rVV	2224691	1962299	100.00%	6.067%
43	11.327	1566	1571	1574	rVB	605765	510225	26.00%	1.577%
44	11.363	1574	1577	1580	rBV2	81523	89245	4.55%	0.276%
45	11.480	1594	1597	1600	rBV	138315	112740	5.75%	0.349%
46	11.551	1606	1609	1612	rVV3	108515	101770	5.19%	0.315%
47	11.580	1612	1614	1619	rVV2	135534	125608	6.40%	0.388%
48	11.657	1623	1627	1633	rVB2	349915	349920	17.83%	1.082%
49	11.751	1638	1643	1646	rBV	370953	368575	18.78%	1.140%
50	11.780	1646	1648	1653	rVB	532615	465797	23.74%	1.440%
51	11.827	1653	1656	1659	rBV	195123	160588	8.18%	0.496%
52	11.863	1659	1662	1665	rVV	541632	595767	30.36%	1.842%
53	11.886	1665	1666	1671	rVB	280750	180895	9.22%	0.559%
54	11.963	1676	1679	1681	rVV2	60180	56895	2.90%	0.176%
55	12.051	1691	1694	1696	rVV	215339	200813	10.23%	0.621%
56	12.074	1696	1698	1704	rVB2	80477	86573	4.41%	0.268%
57	12.198	1717	1719	1722	rVV	80993	70276	3.58%	0.217%
58	12.227	1722	1724	1726	rVV	105736	89712	4.57%	0.277%
59	12.251	1726	1728	1731	rVB2	101583	85206	4.34%	0.263%
60	12.304	1733	1737	1740	rBV	220234	249306	12.70%	0.771%
61	12.339	1740	1743	1745	rVV2	750182	712417	36.31%	2.203%
62	12.363	1745	1747	1749	rVV	1392340	1064607	54.25%	3.291%
63	12.386	1749	1751	1756	rVB4	117572	145566	7.42%	0.450%
64	12.463	1759	1764	1767	rBV	1516860	1525623	77.75%	4.717%
65	12.498	1767	1770	1778	rVB5	93701	192864	9.83%	0.596%
66	12.616	1787	1790	1794	rVB2	86338	89267	4.55%	0.276%
67	12.692	1797	1803	1806	rBV	1479313	1634035	83.27%	5.052%
68	12.716	1806	1807	1810	rVV2	134012	93024	4.74%	0.288%
69	12.751	1810	1813	1816	rVB2	83664	118234	6.03%	0.366%
70	12.810	1819	1823	1825	rBV	92792	90324	4.60%	0.279%
71	12.839	1825	1828	1834	rVB	665599	662603	33.77%	2.049%

LSC Area Percent Report

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Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.915	1834	1841	1844	rBV2	143368	236288	12.04%	0.731%
73	12.998	1852	1855	1856	rVV3	108218	115867	5.90%	0.358%
74	13.021	1856	1859	1862	rVB	423407	388247	19.79%	1.200%
75	13.086	1867	1870	1873	rVV	332252	299552	15.27%	0.926%
76	13.121	1873	1876	1880	rVV	202674	231270	11.79%	0.715%
77	13.215	1889	1892	1895	rVB	153387	129037	6.58%	0.399%
78	13.245	1895	1897	1901	rBV	147489	149452	7.62%	0.462%
79	13.427	1925	1928	1930	rBV2	84610	82633	4.21%	0.255%
80	13.510	1938	1942	1943	rBV2	57284	67911	3.46%	0.210%
81	13.639	1960	1964	1967	rBV2	130970	169692	8.65%	0.525%
82	13.668	1967	1969	1971	rVB	95182	65767	3.35%	0.203%
83	13.892	2002	2007	2009	rBV2	1060669	1389449	70.81%	4.296%
84	13.915	2009	2011	2017	rVB	614387	574094	29.26%	1.775%
85	13.998	2023	2025	2027	rVB	94111	70405	3.59%	0.218%
86	14.280	2068	2073	2077	rVV3	684774	920939	46.93%	2.847%
87	14.315	2077	2079	2082	rVB2	101464	90589	4.62%	0.280%
88	14.357	2082	2086	2087	rBV2	139773	146627	7.47%	0.453%
89	14.374	2087	2089	2091	rVB	136916	102165	5.21%	0.316%
90	14.404	2091	2094	2096	rBV2	105712	114891	5.85%	0.355%
91	14.674	2135	2140	2141	rBV2	79627	107599	5.48%	0.333%
92	14.909	2176	2180	2190	rVB	386571	729826	37.19%	2.256%
93	14.992	2191	2194	2196	rBV2	72116	89387	4.56%	0.276%
94	15.198	2225	2229	2235	rVB	253673	320897	16.35%	0.992%
95	15.257	2235	2239	2244	rBV	397973	472812	24.09%	1.462%
96	15.315	2245	2249	2252	rVV	543052	670219	34.15%	2.072%
97	15.351	2252	2255	2260	rVB3	152583	242449	12.36%	0.750%
98	15.774	2323	2327	2331	rBV2	87624	117602	5.99%	0.364%
99	16.698	2480	2484	2493	rVB2	107586	211703	10.79%	0.655%
100	17.115	2552	2555	2562	rVB2	77580	132352	6.74%	0.409%

Sum of corrected areas: 32344191

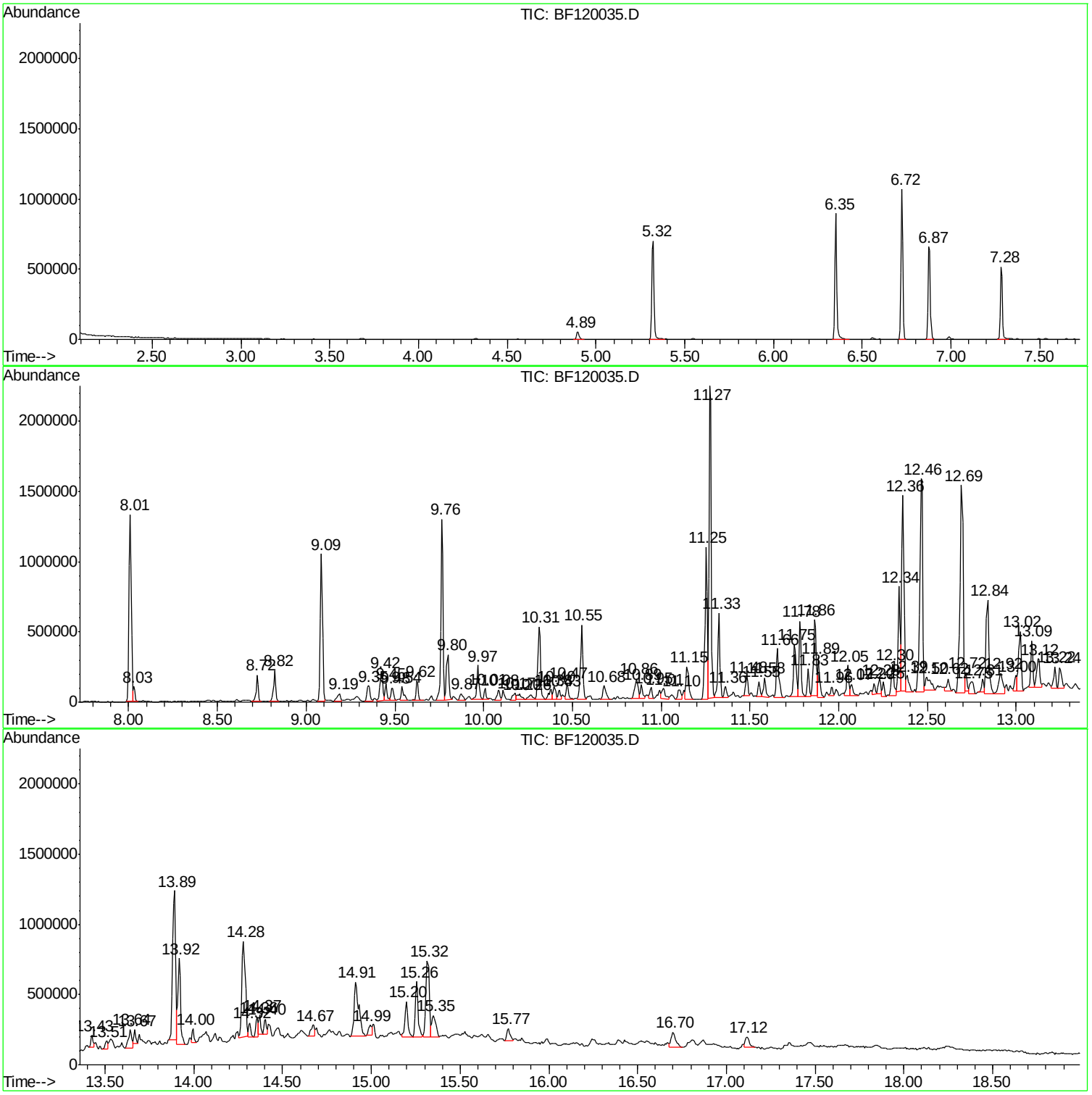
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

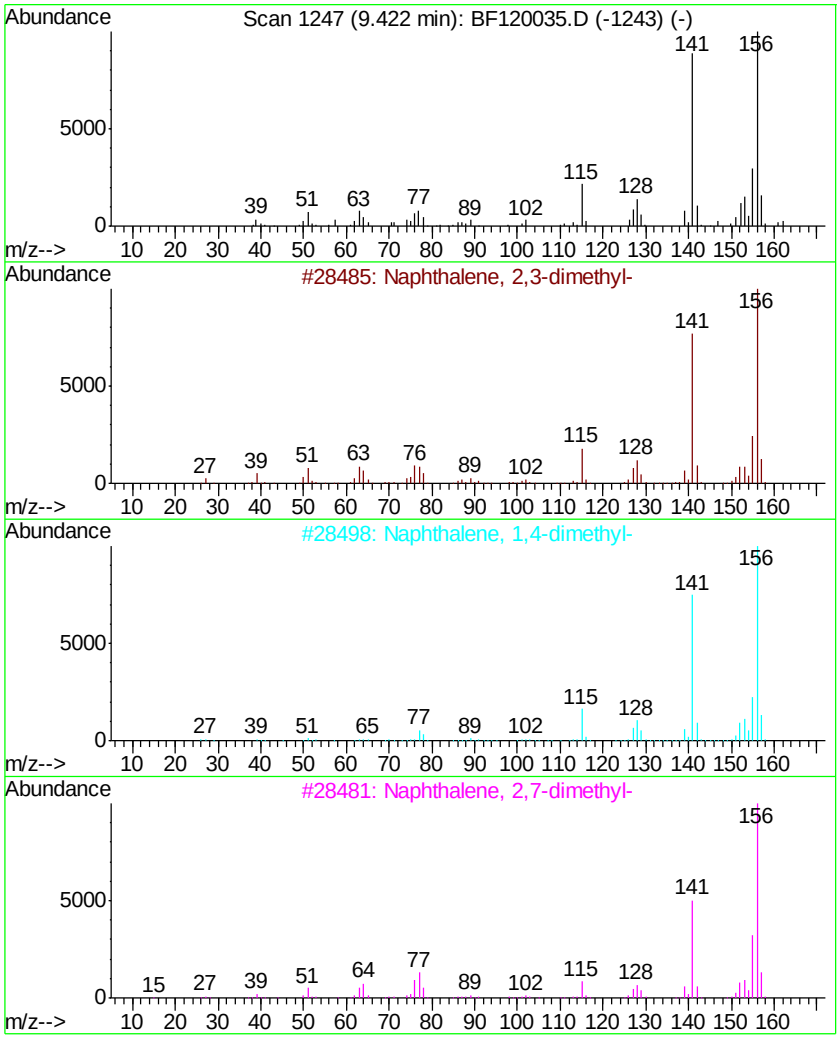
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

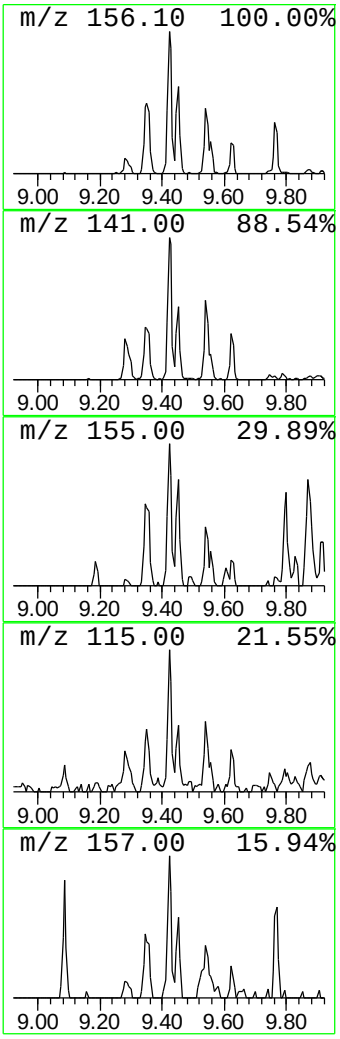
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	3.59 ng	207602	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

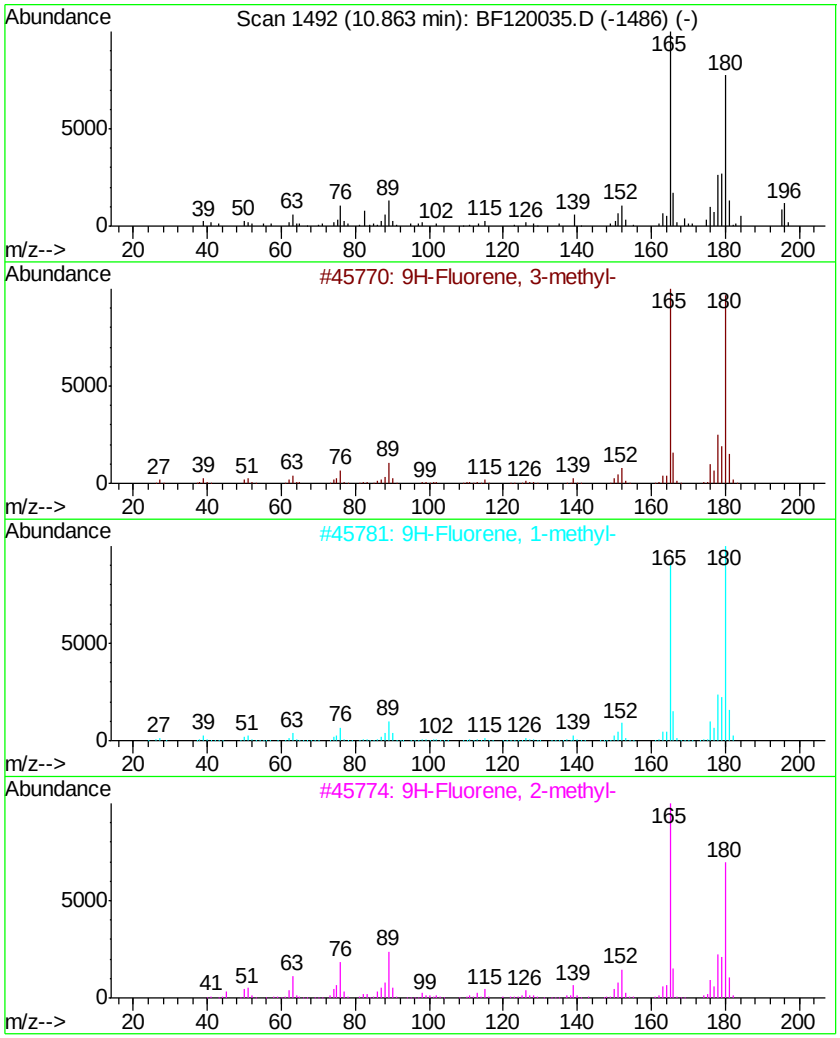
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

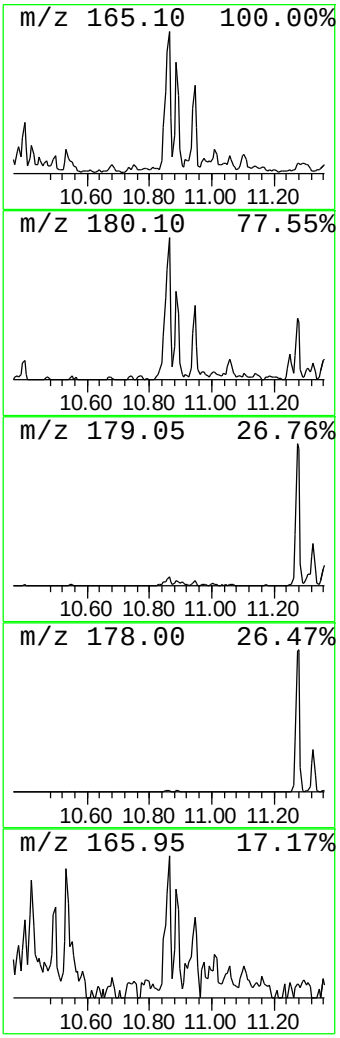
****

Peak Number 3 9H-Fluorene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	3.55 ng	172164	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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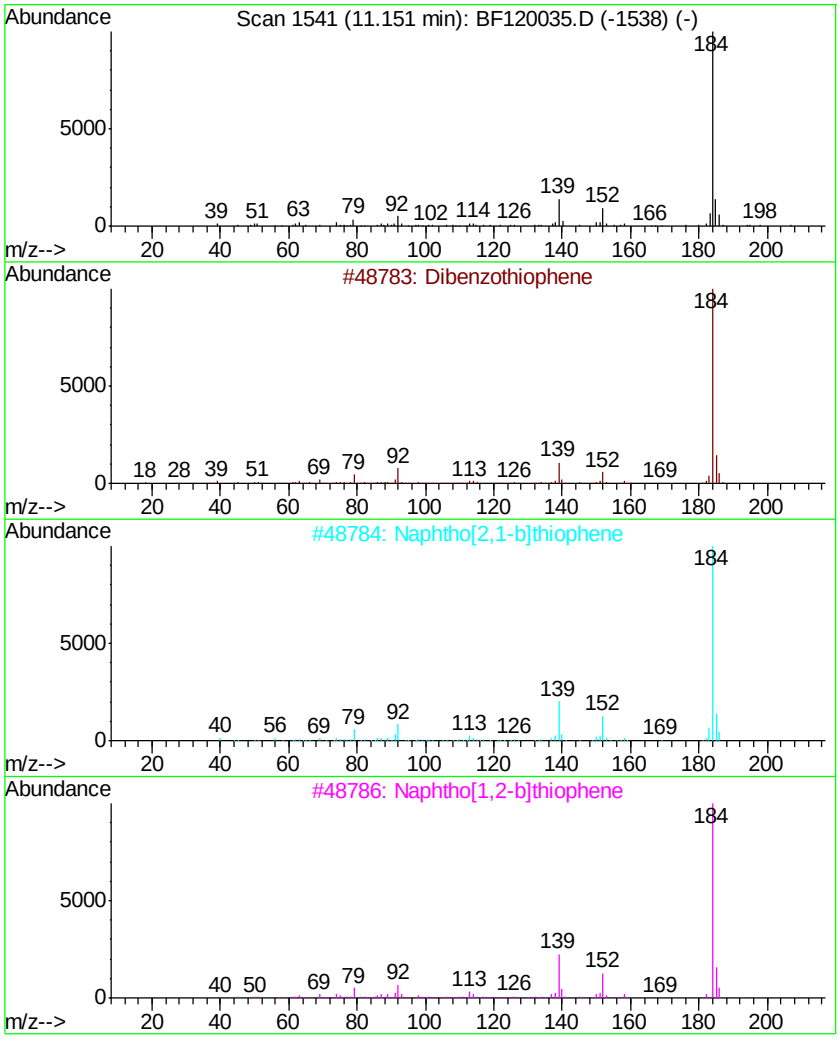
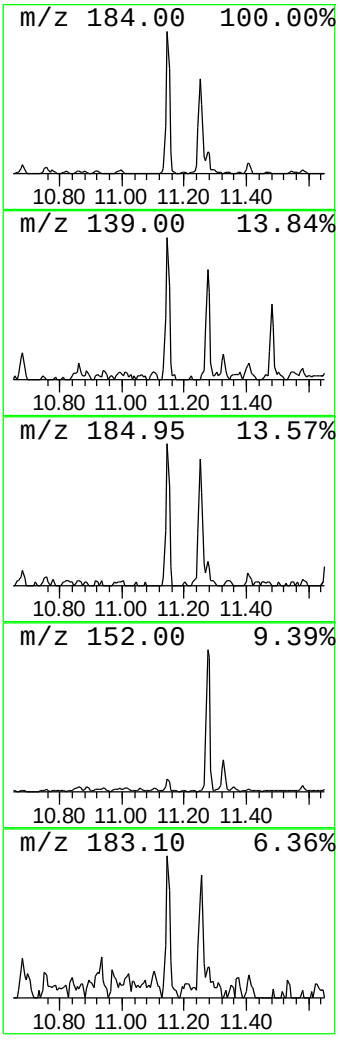
Peak Number 4 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	4.61 ng	223331	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

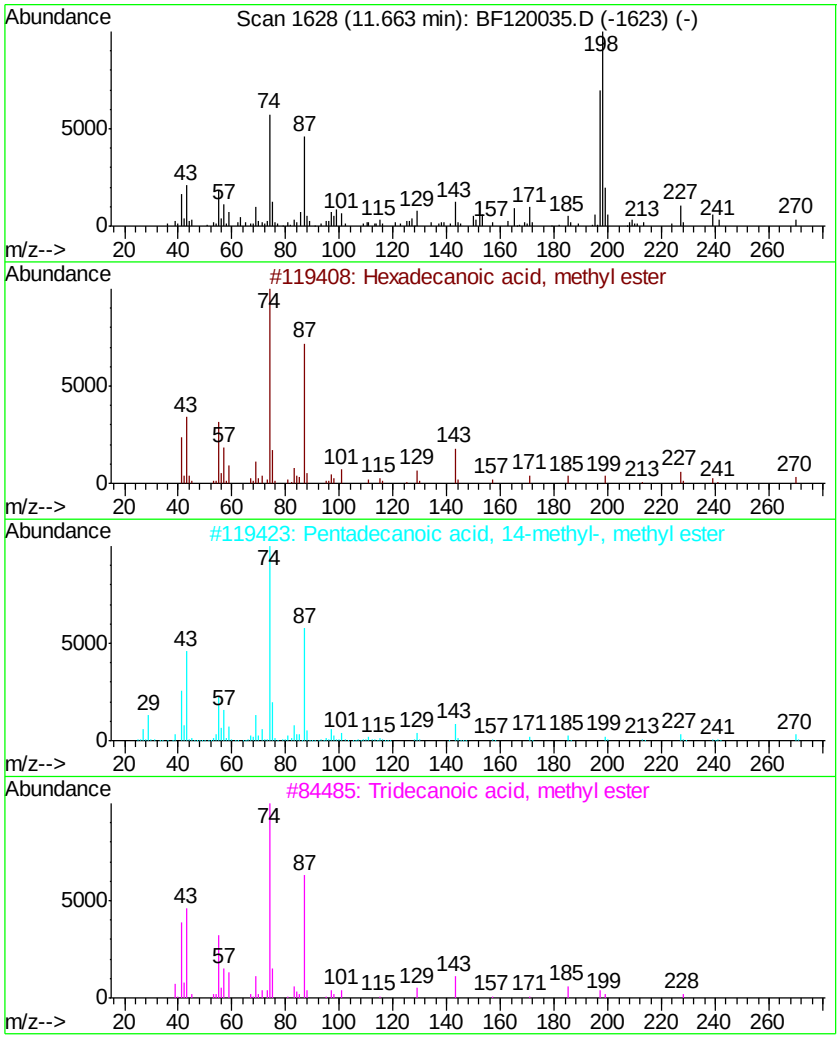
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

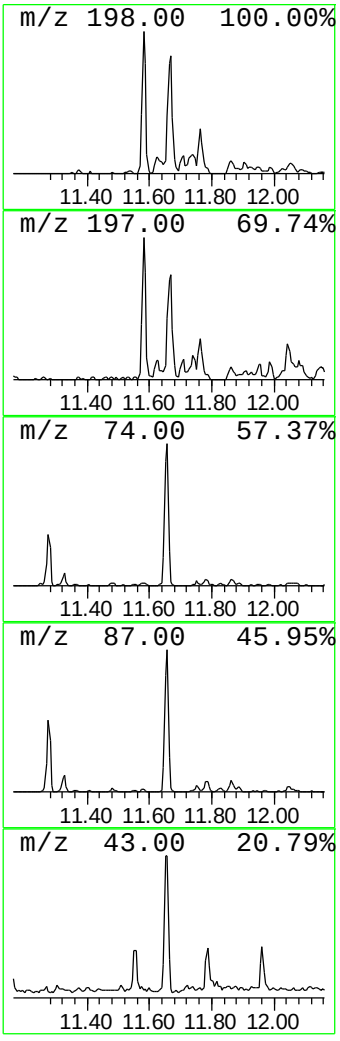
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	7.22 ng	349920	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	81
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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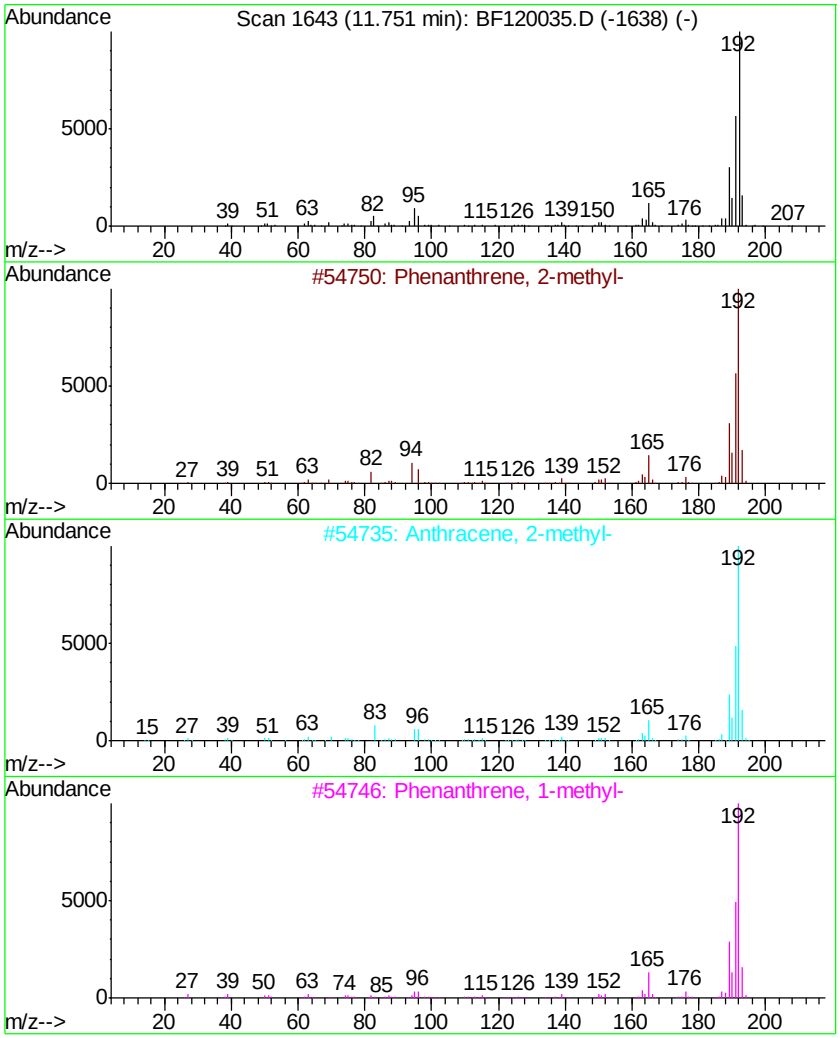
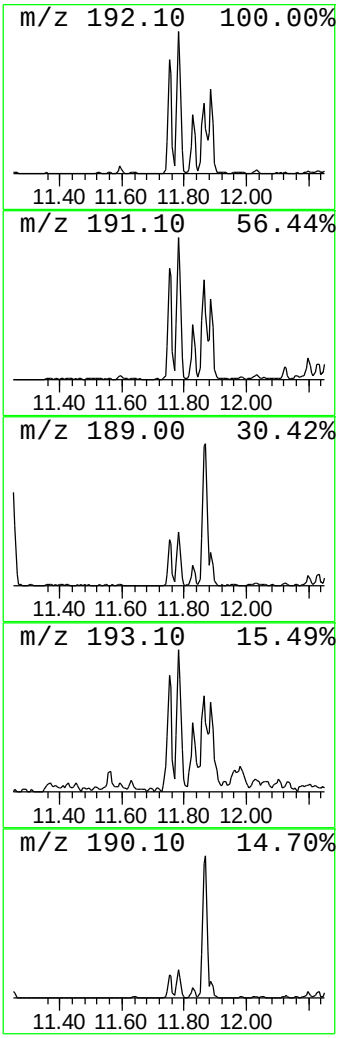
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	7.61 ng	368575	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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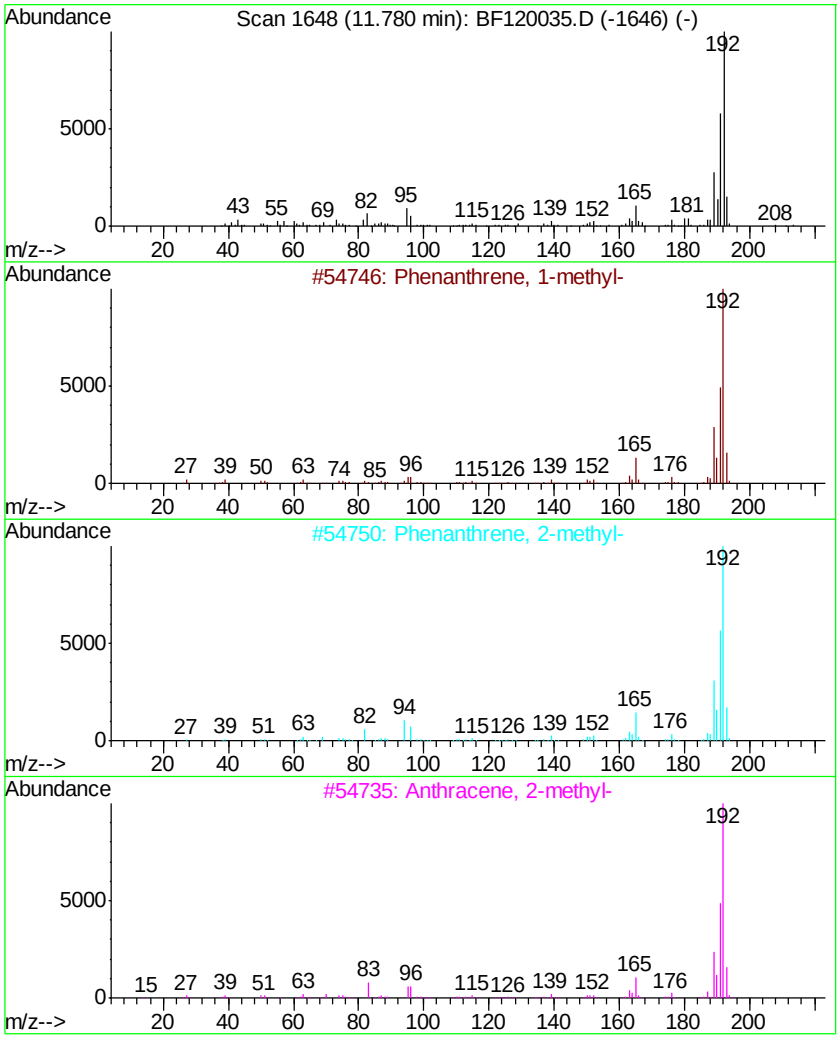
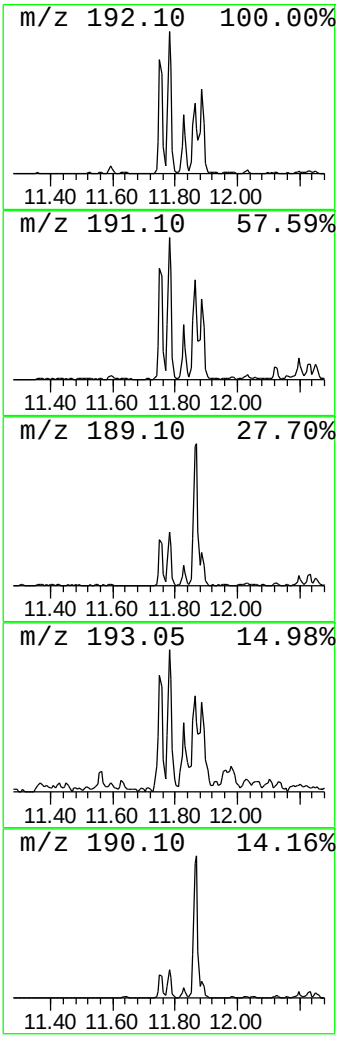
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	9.61 ng	465797	Phenanthrene-d10	11.25

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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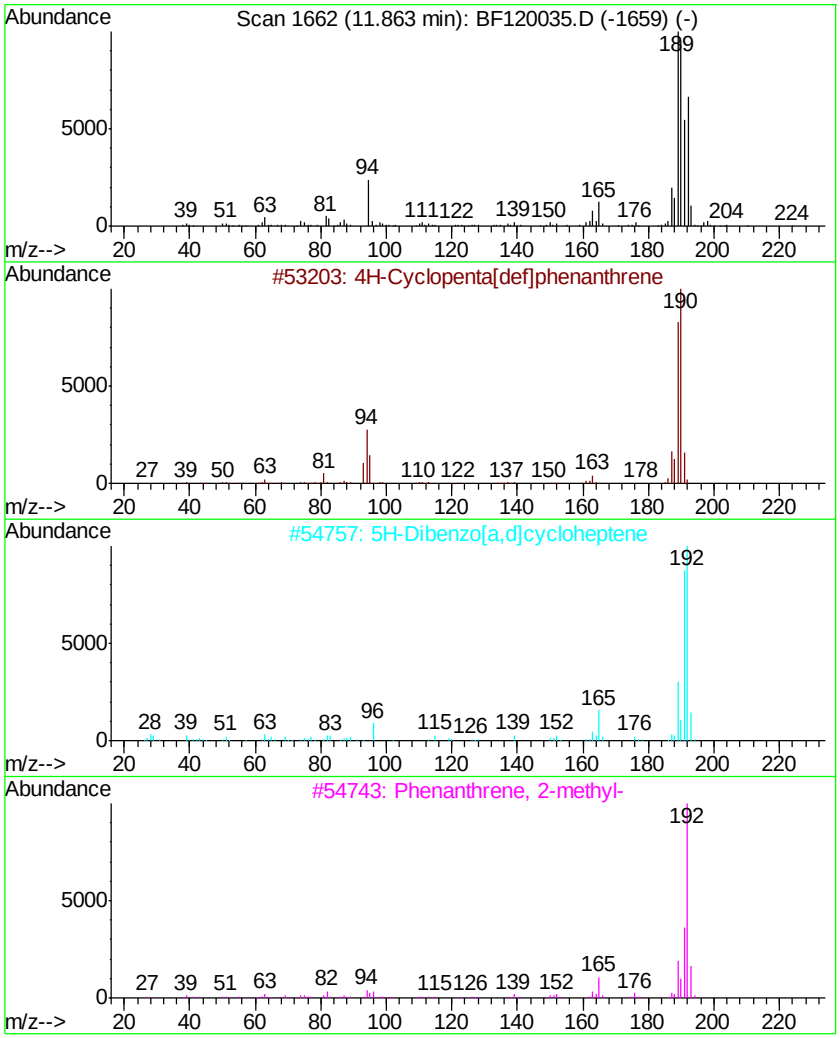
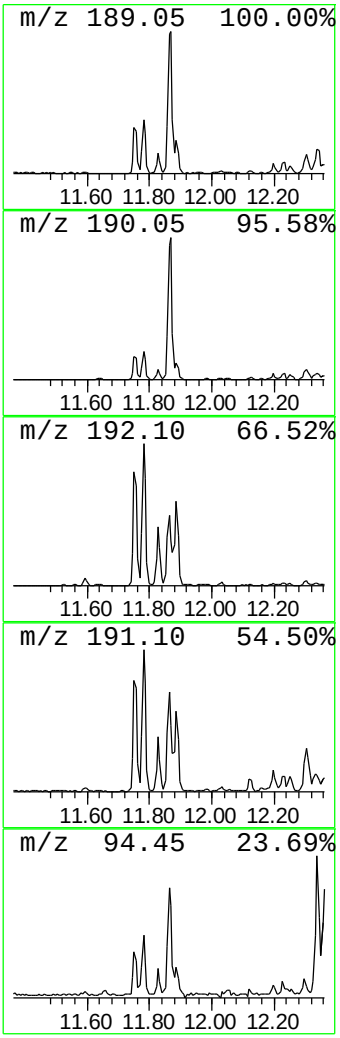
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	12.30 ng	595767	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

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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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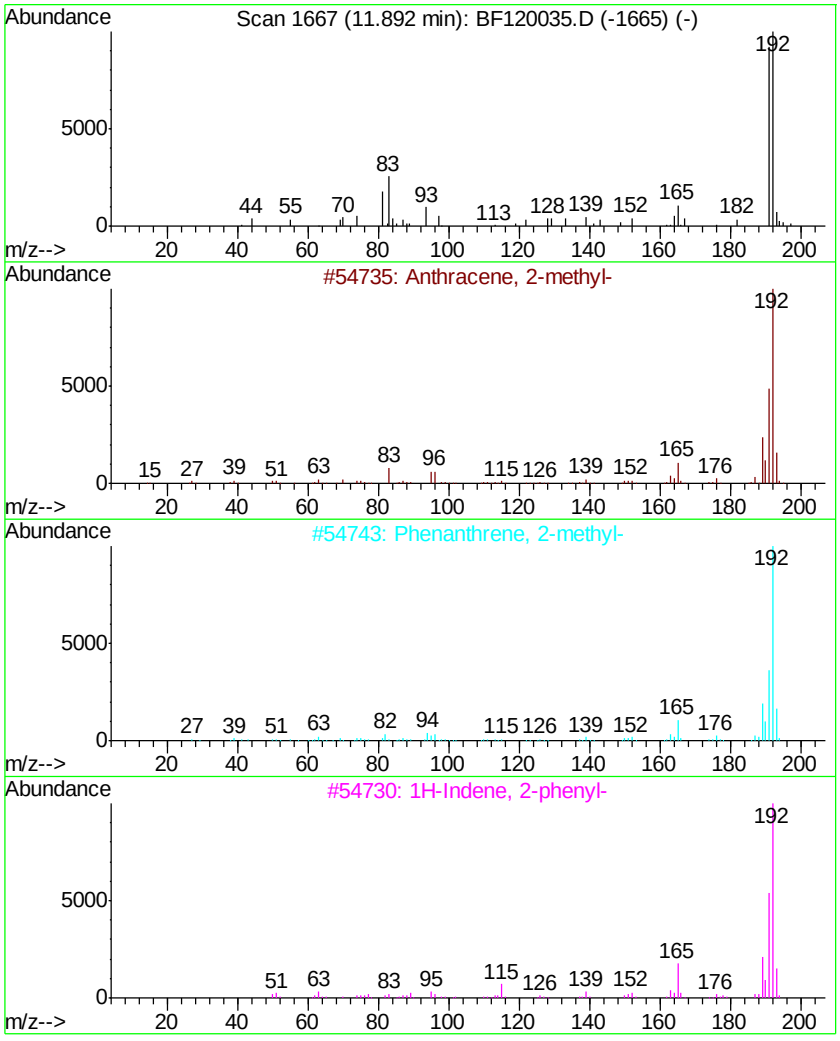
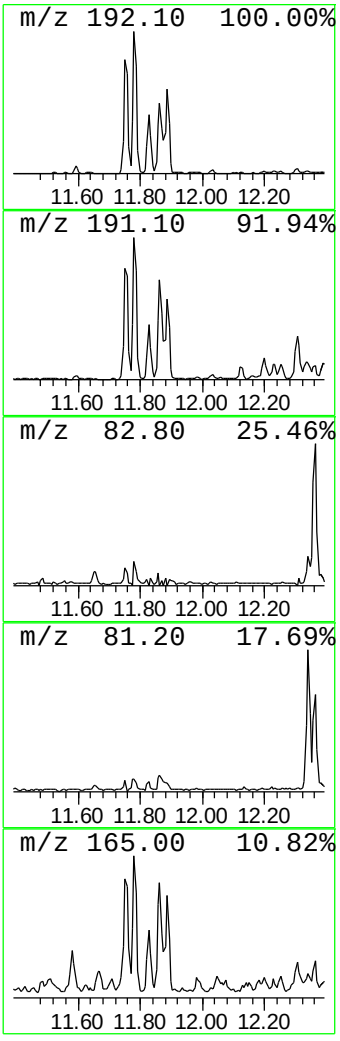
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.73 ng	180895	Phenanthrene-d10	11.25

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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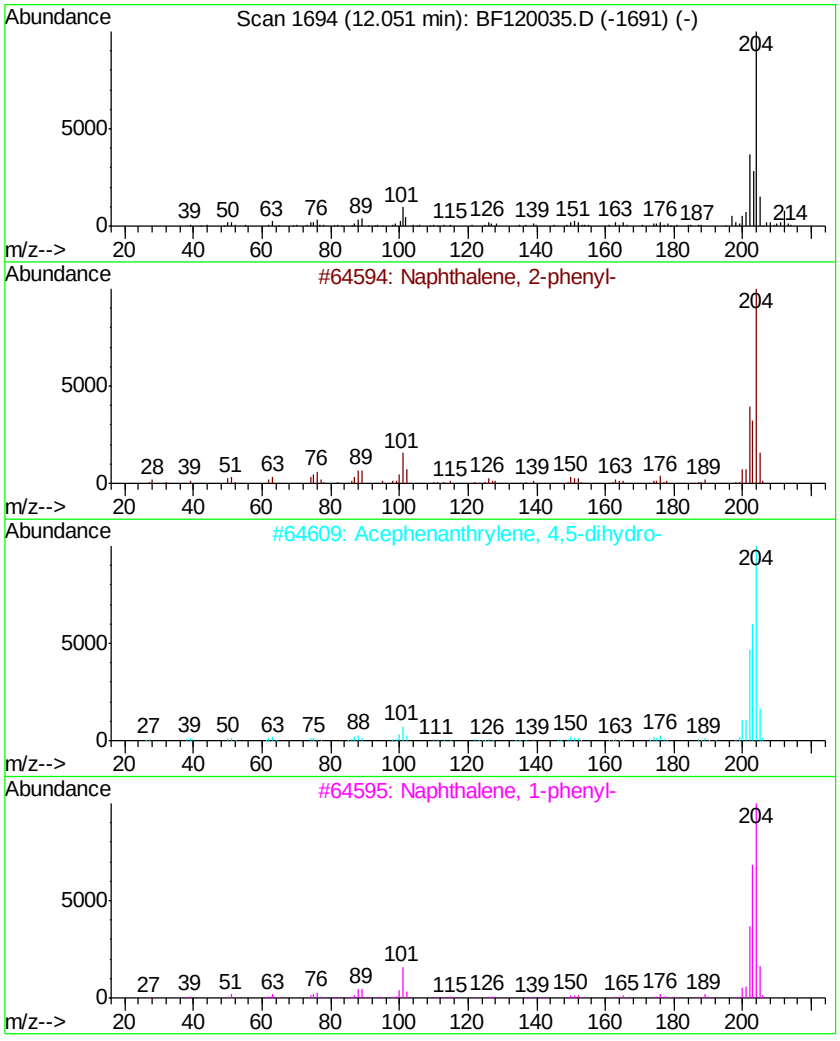
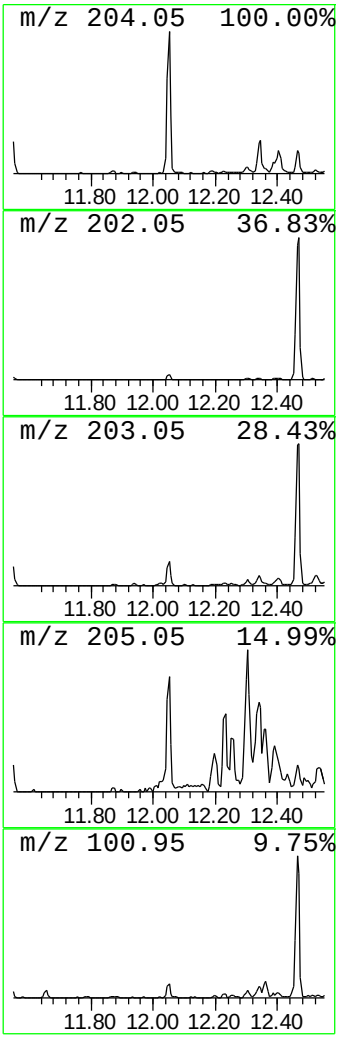
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.14 ng	200813	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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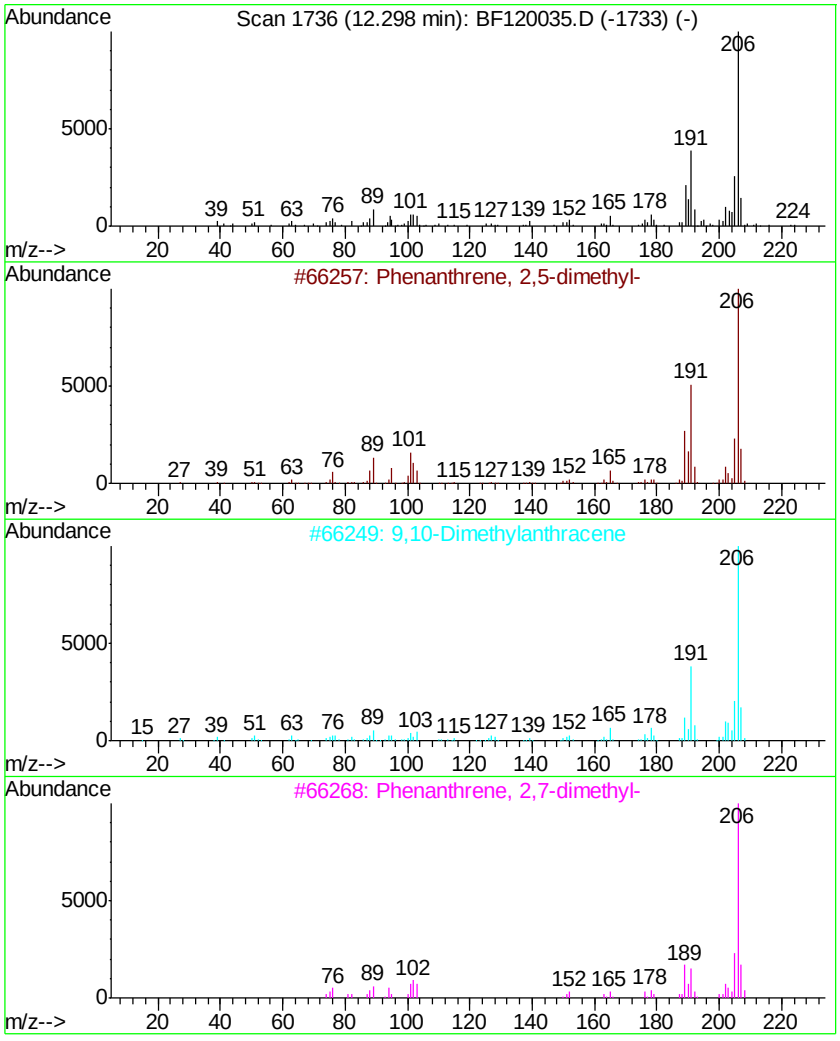
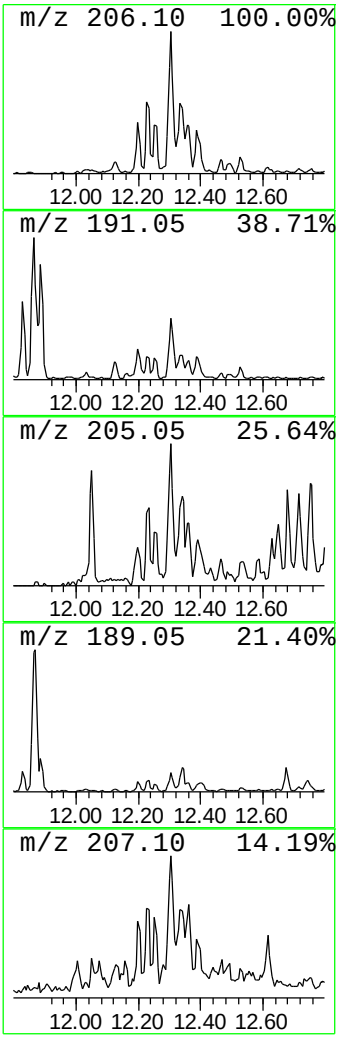
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.15 ng	249306	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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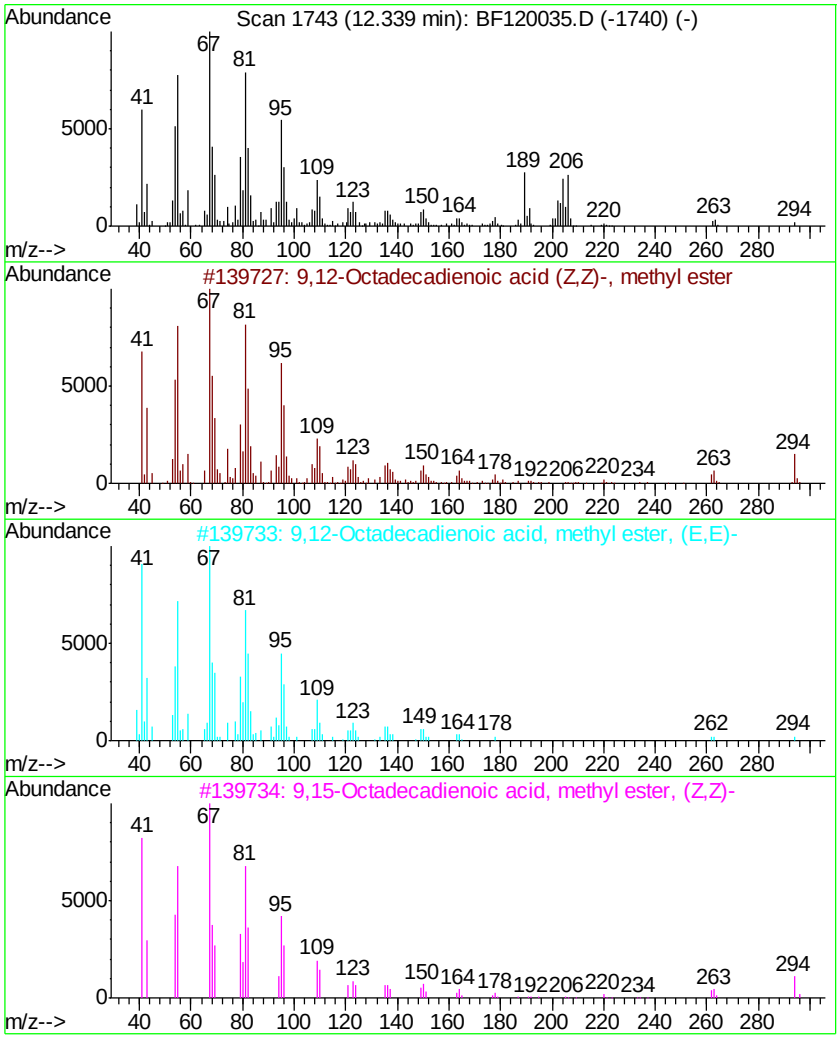
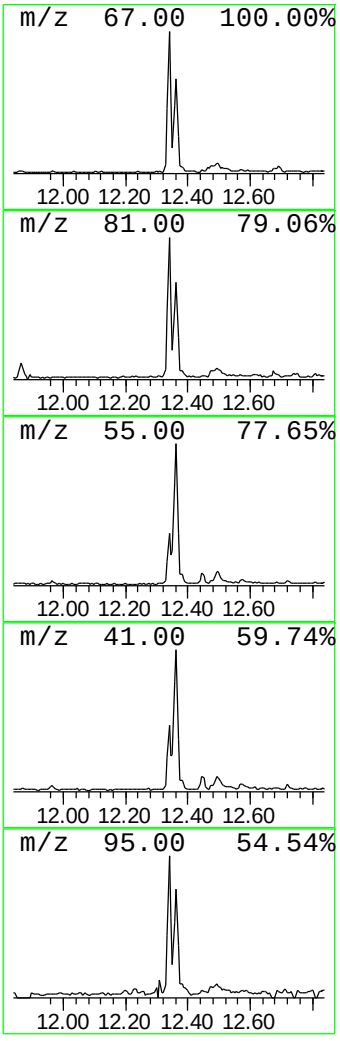
Peak Number 12 9,12-Octadecadienoic acid (... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	14.70 ng	712417	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	96
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	91
5	12,15-Octadecadienoic acid, meth...	294	C19H34O2	057156-97-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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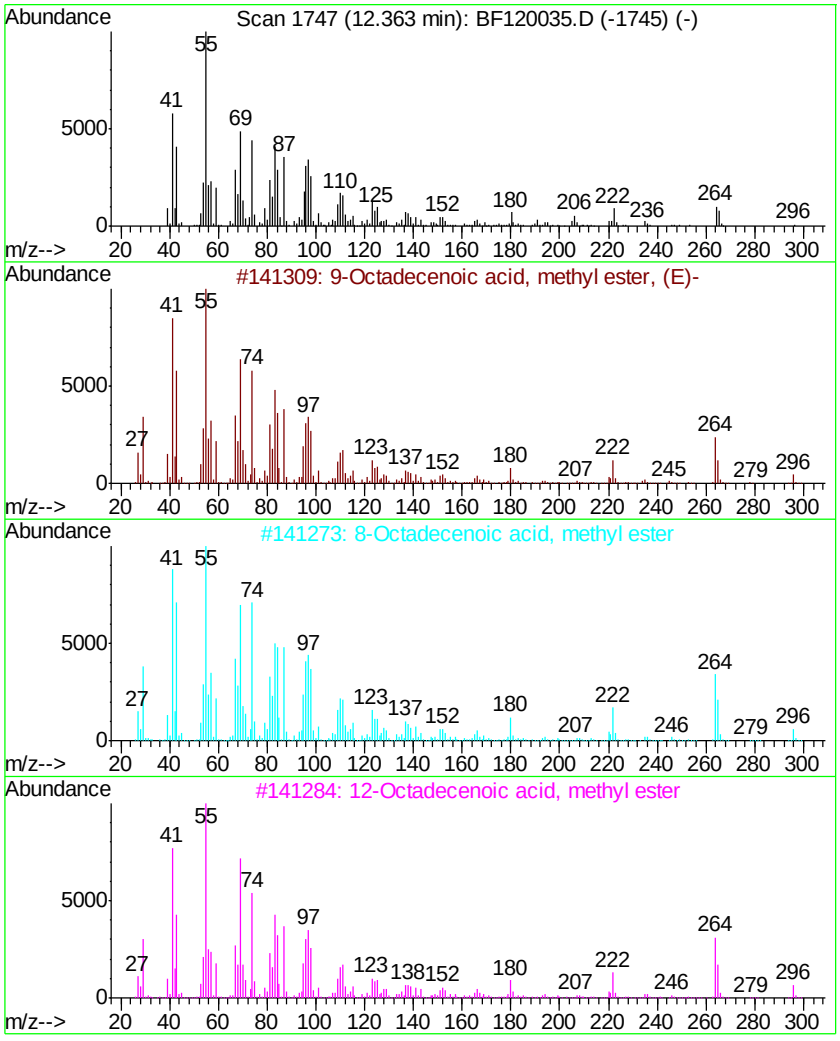
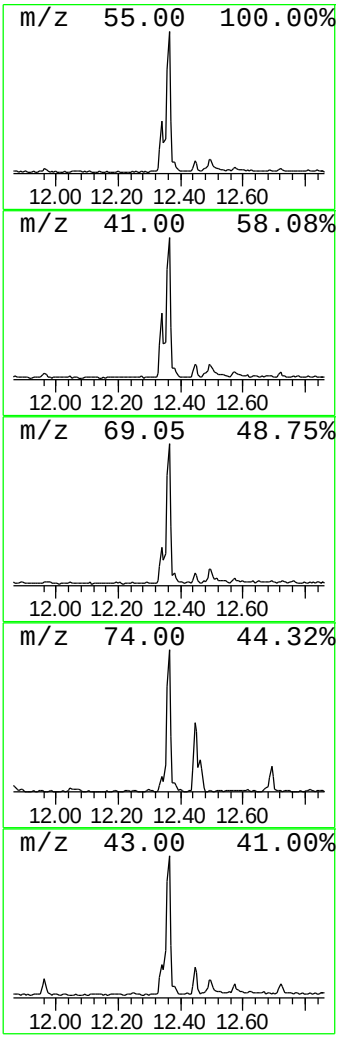
Peak Number 13 9-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	21.97 ng	1064610	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
2	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	97





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Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

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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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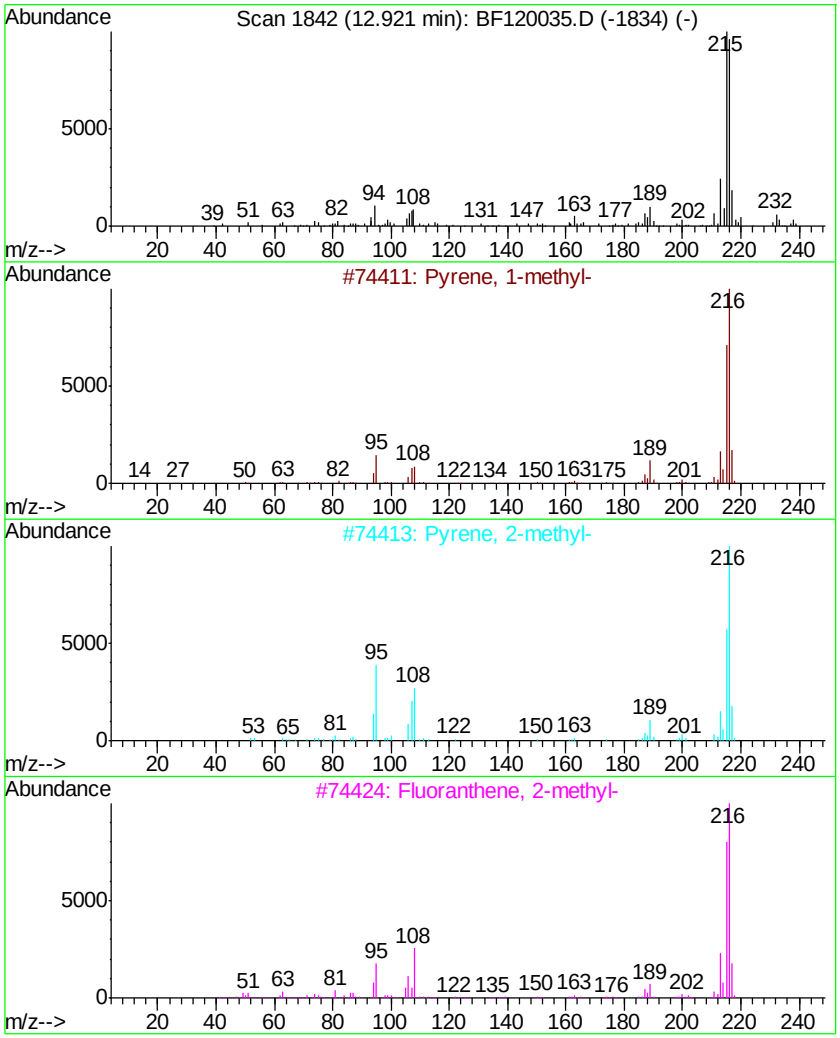
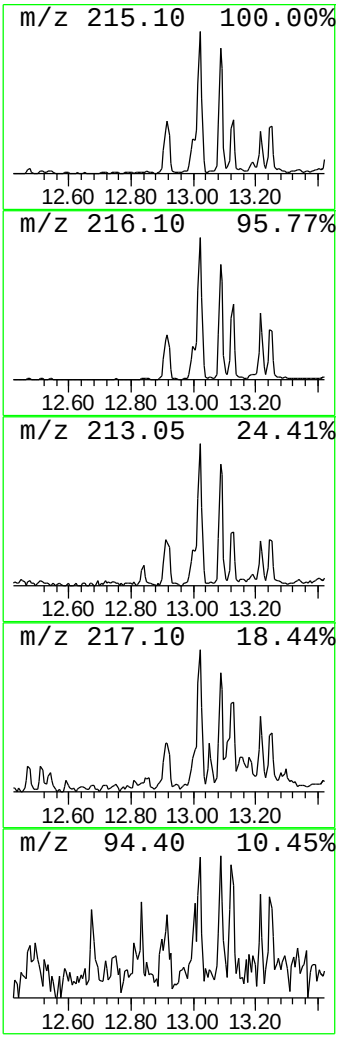
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	3.40 ng	236288	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68





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Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

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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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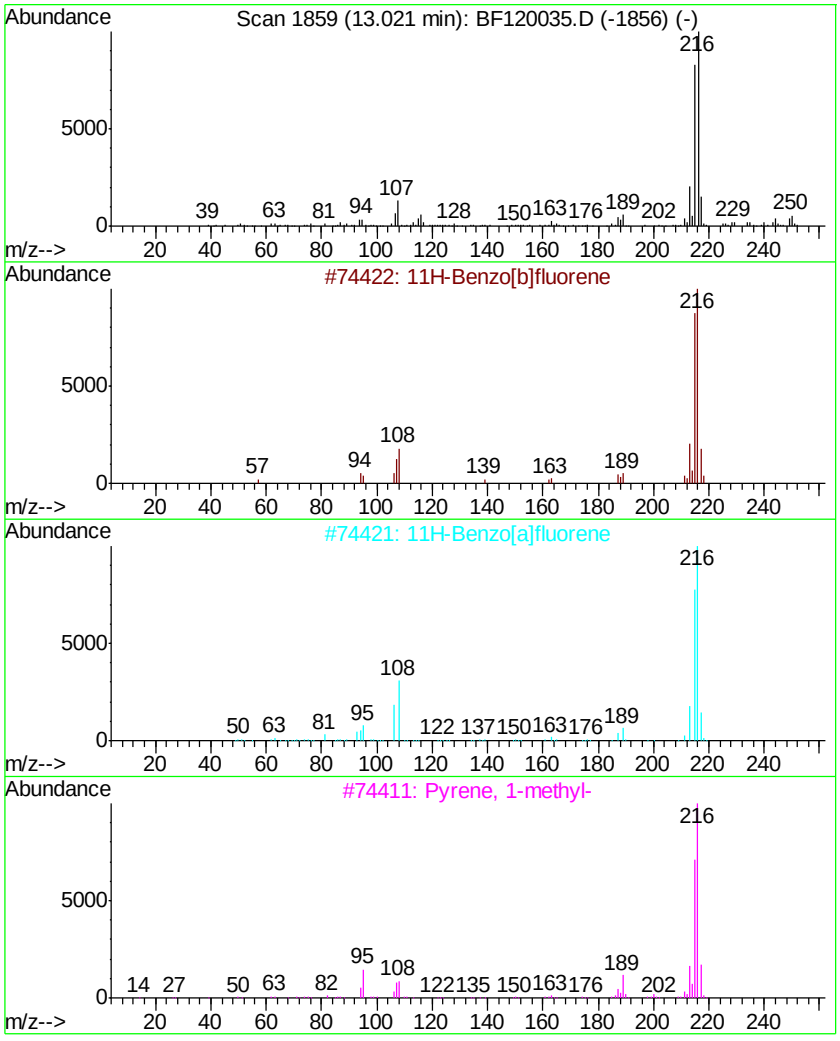
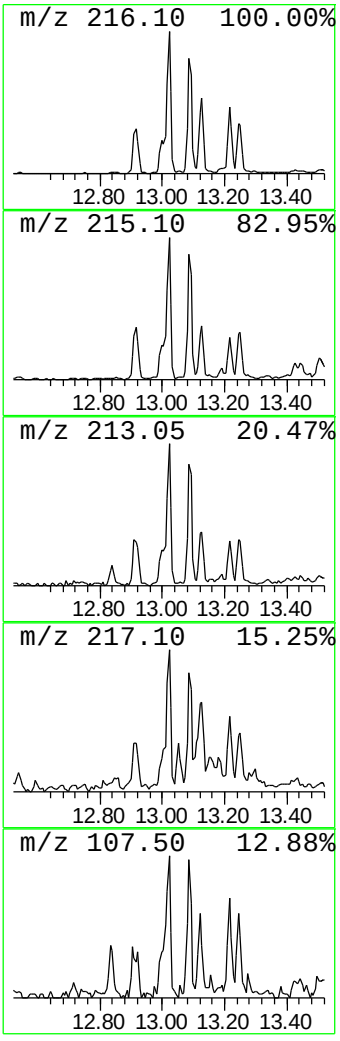
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	5.59 ng	388247	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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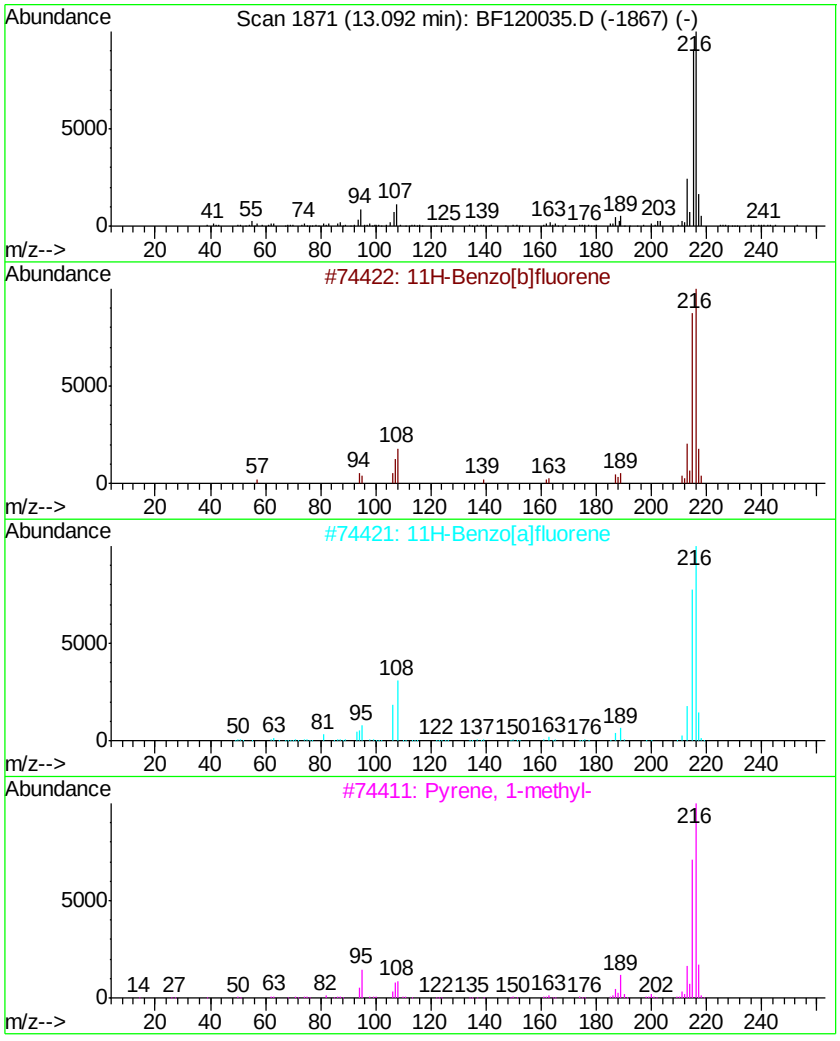
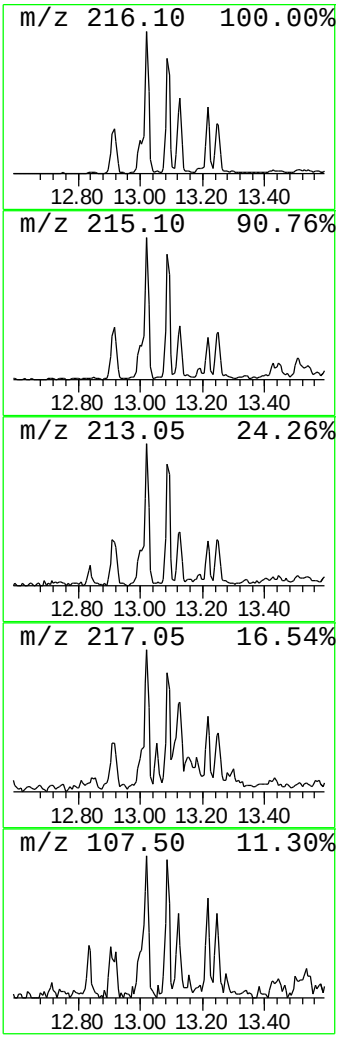
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	4.31 ng	299552	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	53





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Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

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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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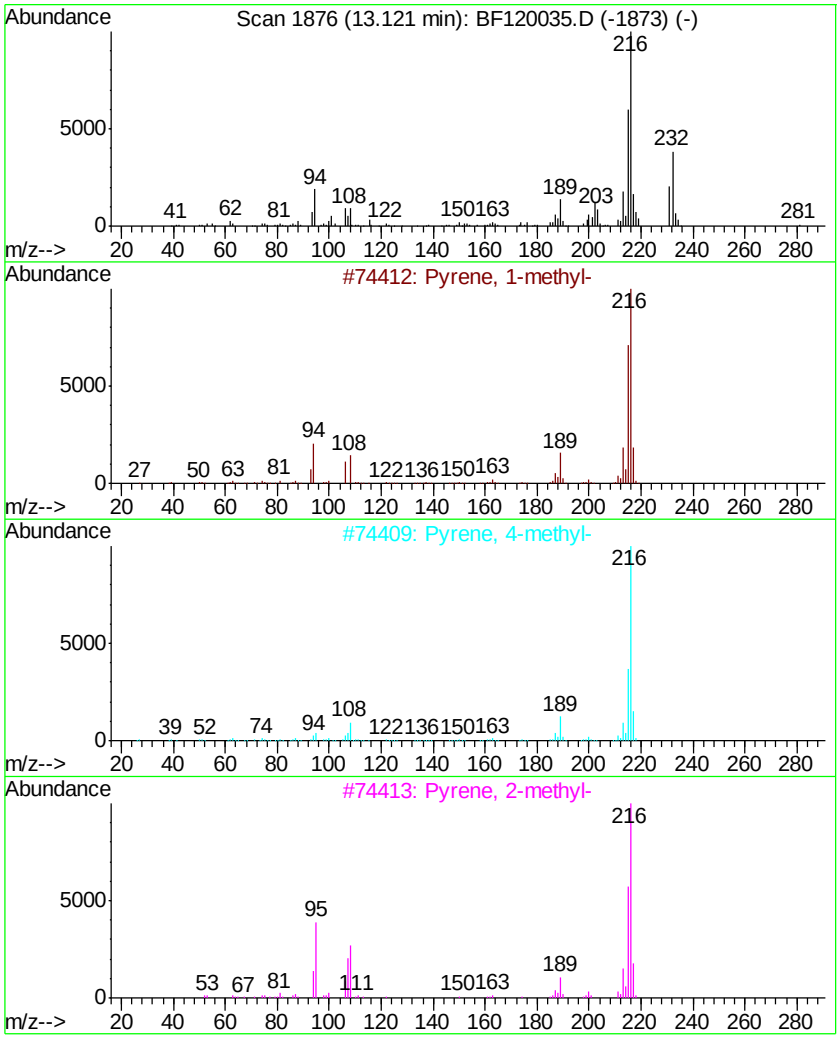
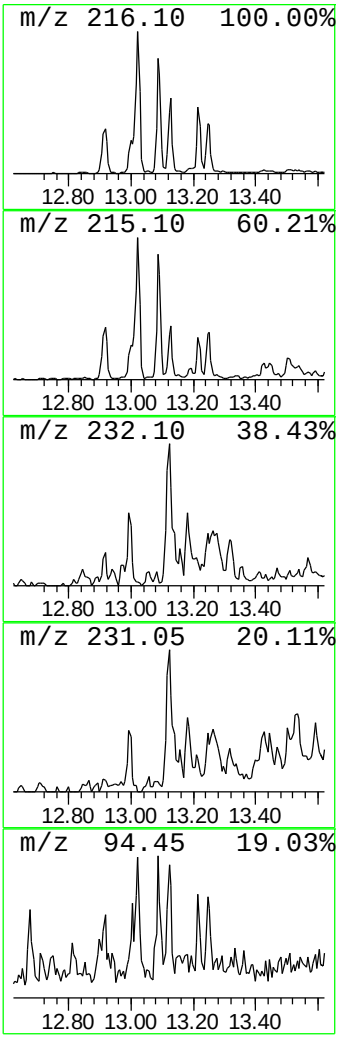
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.33 ng	231270	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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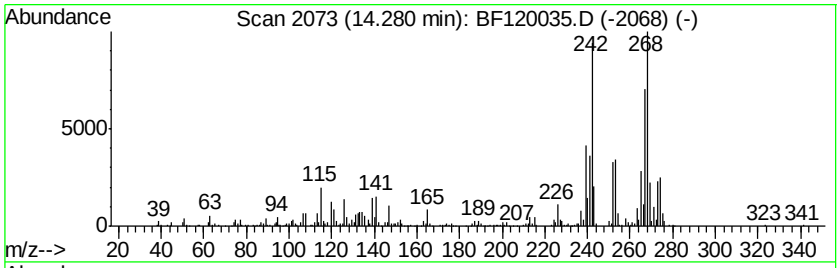
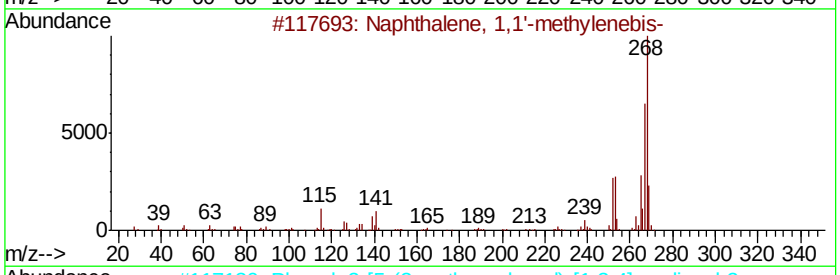
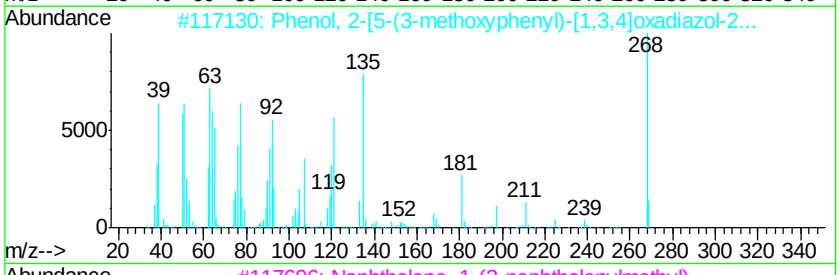
Peak Number 18 Naphthalene, 1,1'-methylene... Concentration Rank 4

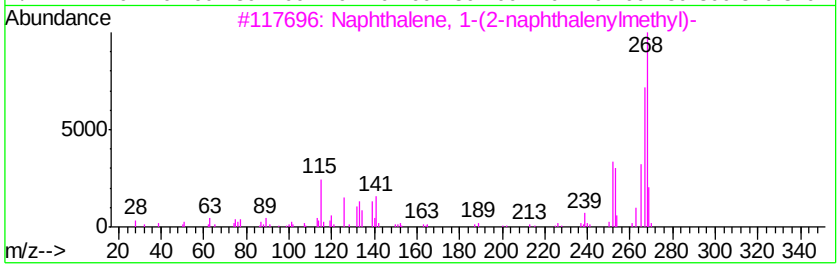
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	13.26 ng	920939	Chrysene-d12	13.89

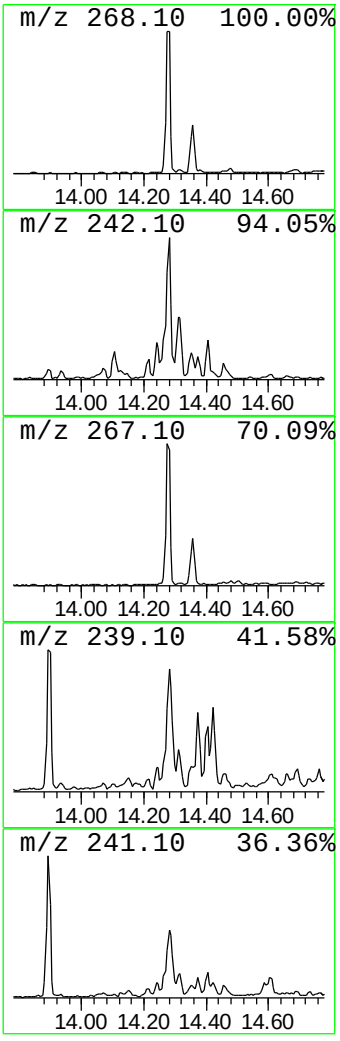
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	95
2	Phenol, 2-[5-(3-methoxyphenyl)-[...	268	C15H12N2O3	1000303-05-4	90
3	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	66
4	3-Methylcholanthrene	268	C21H16	000056-49-5	55
5	2-Methylchrysene	242	C19H14	003351-32-4	53











Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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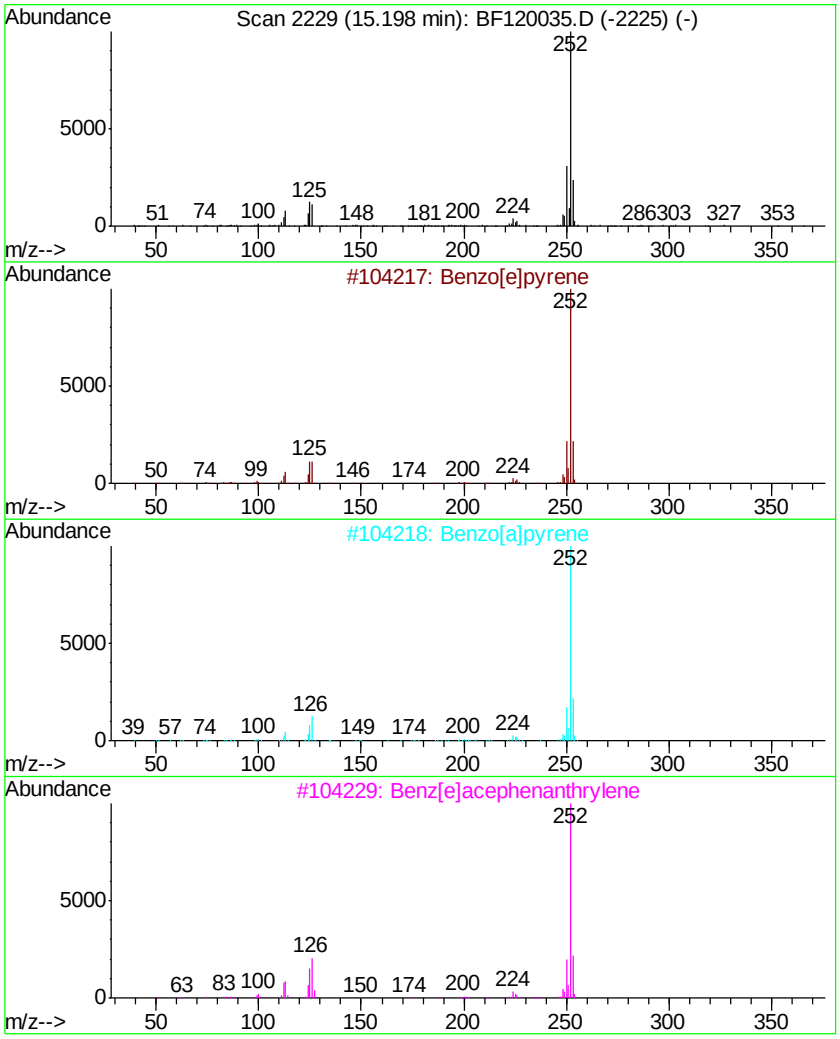
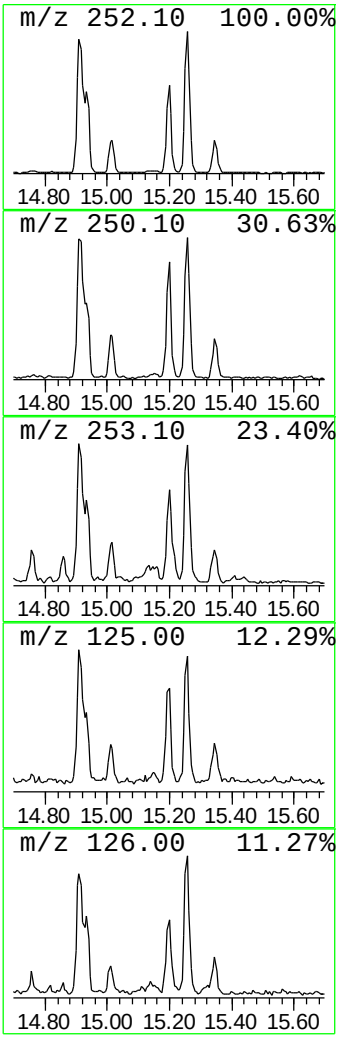
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	9.58 ng	320897	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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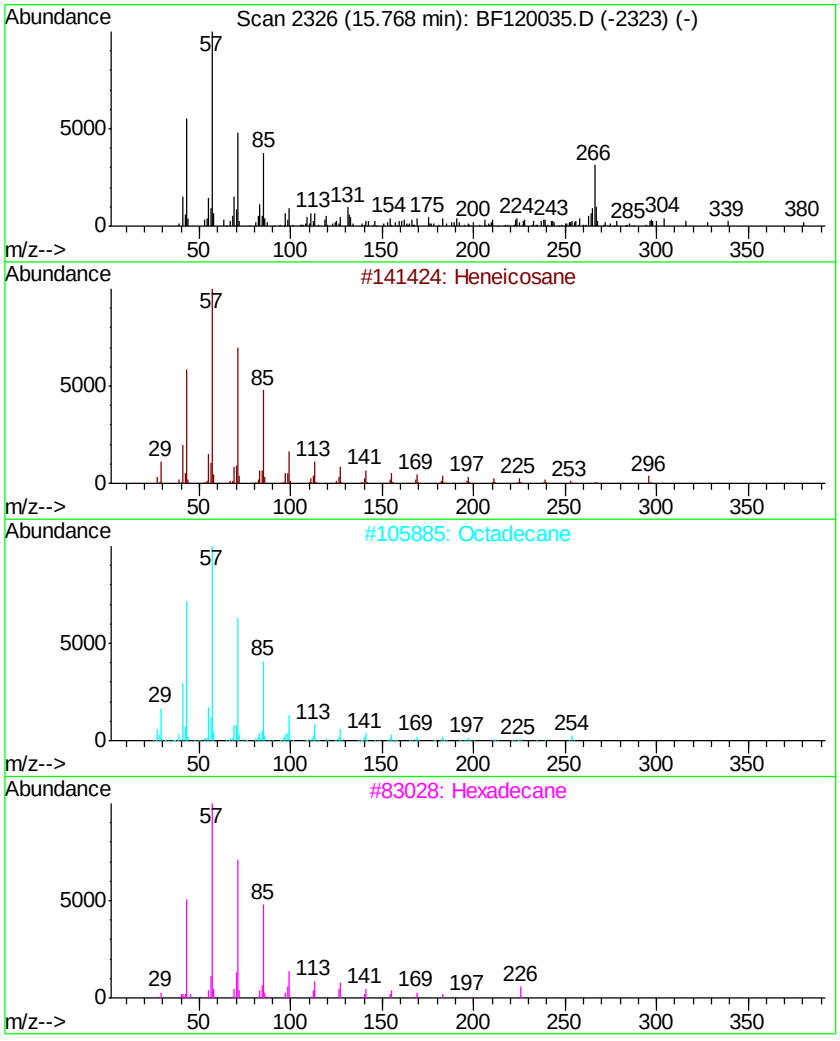
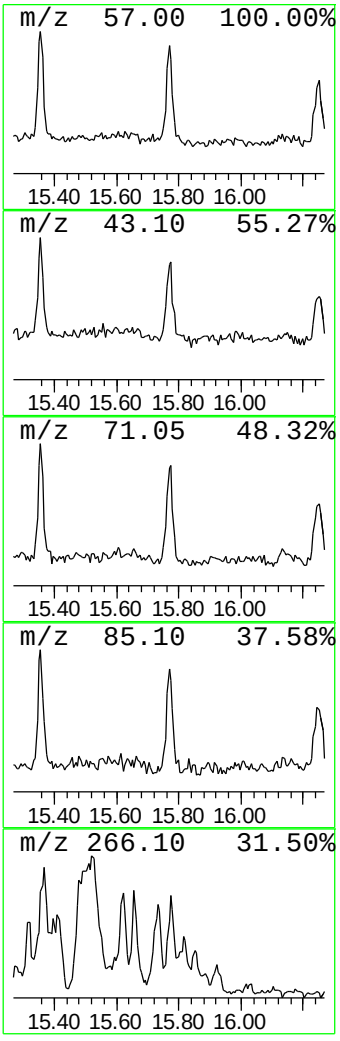
Peak Number 20 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	3.51 ng	117602	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	64
2	Octadecane	254	C18H38	000593-45-3	62
3	Hexadecane	226	C16H34	000544-76-3	53
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	50
5	3,3-Diethylheptadecane	296	C21H44	1000360-41-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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, 2,3-...	9.42	3.6	ng	207602	3	9.76	1155830	20.0
9H-Fluorene, 3-me...	10.86	3.5	ng	172164	4	11.25	968959	20.0
Dibenzothiophene	11.15	4.6	ng	223331	4	11.25	968959	20.0
Hexadecanoic acid...	11.66	7.2	ng	349920	4	11.25	968959	20.0
Phenanthrene, 2-m...	11.75	7.6	ng	368575	4	11.25	968959	20.0
Phenanthrene, 1-m...	11.78	9.6	ng	465797	4	11.25	968959	20.0
4H-Cyclopenta[def...	11.86	12.3	ng	595767	4	11.25	968959	20.0
Anthracene, 2-met...	11.89	3.7	ng	180895	4	11.25	968959	20.0
Naphthalene, 2-ph...	12.05	4.1	ng	200813	4	11.25	968959	20.0
Phenanthrene, 2,5...	12.30	5.2	ng	249306	4	11.25	968959	20.0
9,12-Octadecadien...	12.34	14.7	ng	712417	4	11.25	968959	20.0
9-Octadecenoic ac...	12.36	22.0	ng	1064610	4	11.25	968959	20.0
Pyrene, 1-methyl-	12.92	3.4	ng	236288	5	13.89	1389450	20.0
11H-Benzo[b]fluorene	13.02	5.6	ng	388247	5	13.89	1389450	20.0
11H-Benzo[a]fluorene	13.09	4.3	ng	299552	5	13.89	1389450	20.0
Pyrene, 4-methyl-	13.12	3.3	ng	231270	5	13.89	1389450	20.0
Naphthalene, 1,1'...	14.28	13.3	ng	920939	5	13.89	1389450	20.0
Benzo[e]pyrene	15.20	9.6	ng	320897	6	15.32	670219	20.0
Heneicosane	15.77	3.5	ng	117602	6	15.32	670219	20.0