LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

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-BF040319.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	5.293	542	545	569	rBV	874647	1245350	49.95%	3.085%
2	6.334	718	722	739	rBV	912534	1293172	51.87%	3.204%
3	6.451	739	742	751	rVV	1348483	1271031	50.98%	3.149%
4	6.675	777	780	795	rBV	696910	679453	27.25%	1.683%
5	6.834	803	807	820	rBV	1082597	1013918	40.67%	2.512%
6	7.245	873	877	890	rBV	593580	733071	29.40%	1.816%
7	7.957	995	998	1013	rBV	703789	827544	33.19%	2.050%
8	8.781	1132	1138	1145	rBV4	25944	47752	1.92%	0.118%
9	9.033	1177	1181	1192	rBV	1460671	1305251	52.35%	3.234%
10	9.122	1192	1196	1200	rVB2	30470	33015	1.32%	0.082%
11	9.375	1236	1239	1241	rBV	36659	37421	1.50%	0.093%
12	9.433	1245	1249	1252	rBV2	97590	116174	4.66%	0.288%
13	9.569	1269	1272	1279	rBV	283671	281269	11.28%	0.697%
14	9.645	1283	1285	1290	rBV	53816	45592	1.83%	0.113%
15	9.710	1292	1296	1300	rVV	831996	758066	30.40%	1.878%
16	9.739	1300	1301	1306	rVB	50014	36813	1.48%	0.091%
17	9.886	1319	1326	1327	rBV5	14674	27270	1.09%	0.068%
18	9.916	1328	1331	1335	rVV2	39472	52027	2.09%	0.129%
19	9.957	1335	1338	1342	rVB3	27715	41606	1.67%	0.103%
20	10.028	1347	1350	1353	rBV	40181	47128	1.89%	0.117%
21	10.145	1367	1370	1372	rBV	74168	58764	2.36%	0.146%
22	10.257	1386	1389	1396	rVB	65901	83334	3.34%	0.206%
23	10.363	1404	1407	1413	rVB2	52994	57671	2.31%	0.143%
24	10.498	1427	1430	1441	rVB	676504	735771	29.51%	1.823%
25	10.616	1447	1450	1457	rVB3	100263	137024	5.50%	0.339%
26	10.804	1478	1482	1485	rBV2	45813	66130	2.65%	0.164%
27	10.957	1506	1508	1513	rVB2	40839	36828	1.48%	0.091%
28	11.004	1513	1516	1519	rBV2	27578	29831	1.20%	0.074%
29	11.063	1524	1526	1528	rVV	81210	69092	2.77%	0.171%
30	11.092	1528	1531	1536	rVB	78865	87207	3.50%	0.216%
31	11.192	1544	1548	1550	rBV	811363	815982	32.73%	2.021%
32	11.216	1550	1552	1558	rVV	694679	593261	23.79%	1.470%
33	11.269	1558	1561	1565	rVV	269767	252235	10.12%	0.625%
34	11.310	1565	1568	1571	rVV3	25653	31339	1.26%	0.078%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.433	1586	1589	1594	rBV2	42757	77571	3.11%	0.192%
36	11.486	1595	1598	1600	rVV2	104710	91265	3.66%	0.226%
37	11.522	1600	1604	1610	rVB2	42804	68949	2.77%	0.171%
38	11.586	1612	1615	1623	rVB	604046	488024	19.57%	1.209%
39	11.657	1623	1627	1629	rBV2	26190	36588	1.47%	0.091%
40	11.692	1630	1633	1635	rVV	219557	187983	7.54%	0.466%
41	11.722	1635	1638	1643	rVV2	432023	464231	18.62%	1.150%
42	11.769	1643	1646	1649	rVV	128992	126078	5.06%	0.312%
43	11.804	1649	1652	1654	rVV	366918	383280	15.37%	0.950%
44	11.827	1654	1656	1660	rVB	167091	145507	5.84%	0.360%
45	11.892	1662	1667	1671	rBV2	78212	94438	3.79%	0.234%
46	11.927	1671	1673	1676	rBV2	39037	34798	1.40%	0.086%
47	11.986	1680	1683	1687	rVV	119238	125728	5.04%	0.311%
48	12.027	1687	1690	1693	rVB2	62707	67304	2.70%	0.167%
49	12.133	1703	1708	1711	rBV2	75064	106558	4.27%	0.264%
50	12.169	1711	1714	1716	rVV	87481	64023	2.57%	0.159%
51	12.192	1716	1718	1722	rVB	65387	52095	2.09%	0.129%
52	12.239	1723	1726	1728	rBV	267055	248026	9.95%	0.614%
53	12.269	1728	1731	1733	rVV	1529638	1446492	58.01%	3.584%
54	12.292	1733	1735	1740	rVV	2086445	1746557	70.05%	4.327%
55	12.333	1740	1742	1746	rVB2	180022	177946	7.14%	0.441%
56	12.374	1746	1749	1751	rBV	243770	204915	8.22%	0.508%
57	12.404	1751	1754	1757	rBV	2213961	1908324	76.54%	4.728%
58	12.427	1757	1758	1760	rBV	50186	37924	1.52%	0.094%
59	12.504	1768	1771	1776	rBV	123773	164880	6.61%	0.408%
60	12.551	1776	1779	1782	rBV	111775	108891	4.37%	0.270%
61	12.633	1787	1793	1796	rBV	2284594	2493316	100.00%	6.177%
62	12.686	1799	1802	1806	rVB2	140324	168137	6.74%	0.417%
63	12.769	1810	1816	1819	rBV	1539703	1422505	57.05%	3.524%
64	12.798	1819	1821	1825	rVB	110196	107884	4.33%	0.267%
65	12.851	1825	1830	1837	rBV4	247915	447157	17.93%	1.108%
66	12.904	1837	1839	1841	rBV	47238	29047	1.16%	0.072%
67	12.933	1841	1844	1845	rBV	229170	213890	8.58%	0.530%
68	12.957	1846	1848	1852	rVB	359579	372897	14.96%	0.924%
69	13.004	1853	1856	1857	rBV2	98575	81914	3.29%	0.203%
70	13.021	1857	1859	1862	rVB	218157	196654	7.89%	0.487%
71	13.063	1862	1866	1870	rBV2	358526	380909	15.28%	0.944%

LSC Area Percent Report

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Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.157	1879	1882	1884	rVB	237648	196869	7.90%	0.488%
73	13.186	1884	1887	1891	rBV	229980	223041	8.95%	0.553%
74	13.257	1897	1899	1900	rBV2	52187	42847	1.72%	0.106%
75	13.345	1910	1914	1919	rBV5	90490	197044	7.90%	0.488%
76	13.474	1933	1936	1939	rVB	243066	218945	8.78%	0.542%
77	13.580	1951	1954	1956	rBV	244327	249817	10.02%	0.619%
78	13.598	1956	1957	1960	rVB	202592	143809	5.77%	0.356%
79	13.627	1960	1962	1964	rBV	201202	177878	7.13%	0.441%
80	13.680	1968	1971	1974	rVB2	175704	187552	7.52%	0.465%
81	13.821	1991	1995	1999	rBV2	1604587	2450226	98.27%	6.070%
82	13.857	1999	2001	2004	rVB	1258330	961738	38.57%	2.383%
83	13.933	2012	2014	2017	rVB	241409	178947	7.18%	0.443%
84	13.986	2020	2023	2028	rBV3	225684	284664	11.42%	0.705%
85	14.174	2053	2055	2057	rBV	101844	90655	3.64%	0.225%
86	14.215	2059	2062	2065	rVV	331573	305832	12.27%	0.758%
87	14.251	2065	2068	2070	rVB	139793	125423	5.03%	0.311%
88	14.292	2072	2075	2077	rBV2	193654	179106	7.18%	0.444%
89	14.339	2081	2083	2085	rBV	165435	139262	5.59%	0.345%
90	14.586	2123	2125	2128	rBV2	154296	130238	5.22%	0.323%
91	14.698	2141	2144	2146	rVB	176599	160660	6.44%	0.398%
92	14.845	2165	2169	2172	rBV	1123351	1601386	64.23%	3.967%
93	14.892	2175	2177	2183	rVB3	185858	224596	9.01%	0.556%
94	14.945	2183	2186	2190	rBV	239248	260699	10.46%	0.646%
95	15.121	2213	2216	2222	rVB	614174	688914	27.63%	1.707%
96	15.186	2222	2227	2232	rVV	814688	1013777	40.66%	2.512%
97	15.239	2232	2236	2239	rVV	553876	654793	26.26%	1.622%
98	15.268	2239	2241	2247	rVB2	250153	311861	12.51%	0.773%
99	16.604	2463	2468	2475	rVB	432625	791613	31.75%	1.961%
100	17.015	2533	2538	2550	rVB	319668	653045	26.19%	1.618%

Sum of corrected areas: 40365314

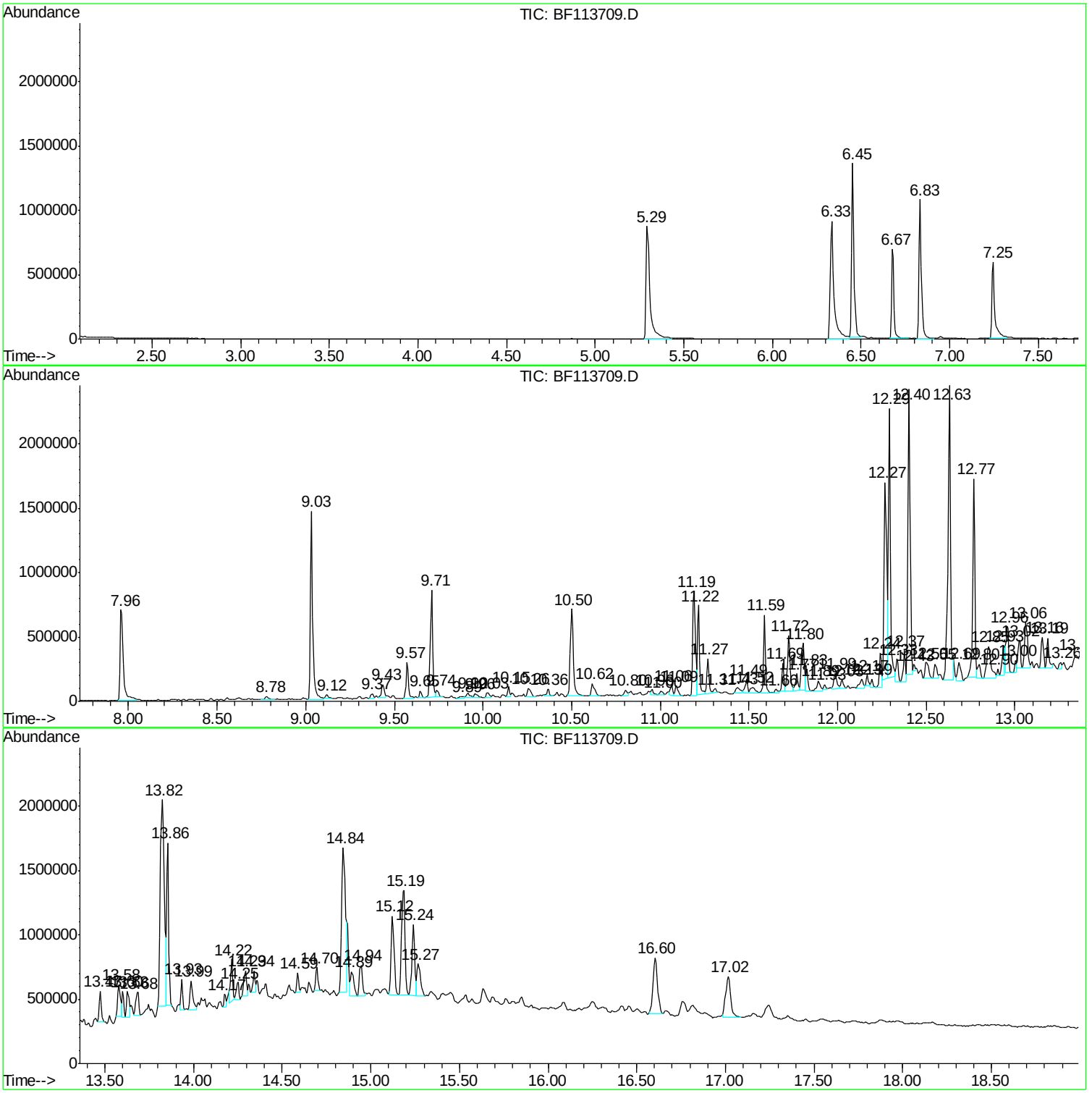
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

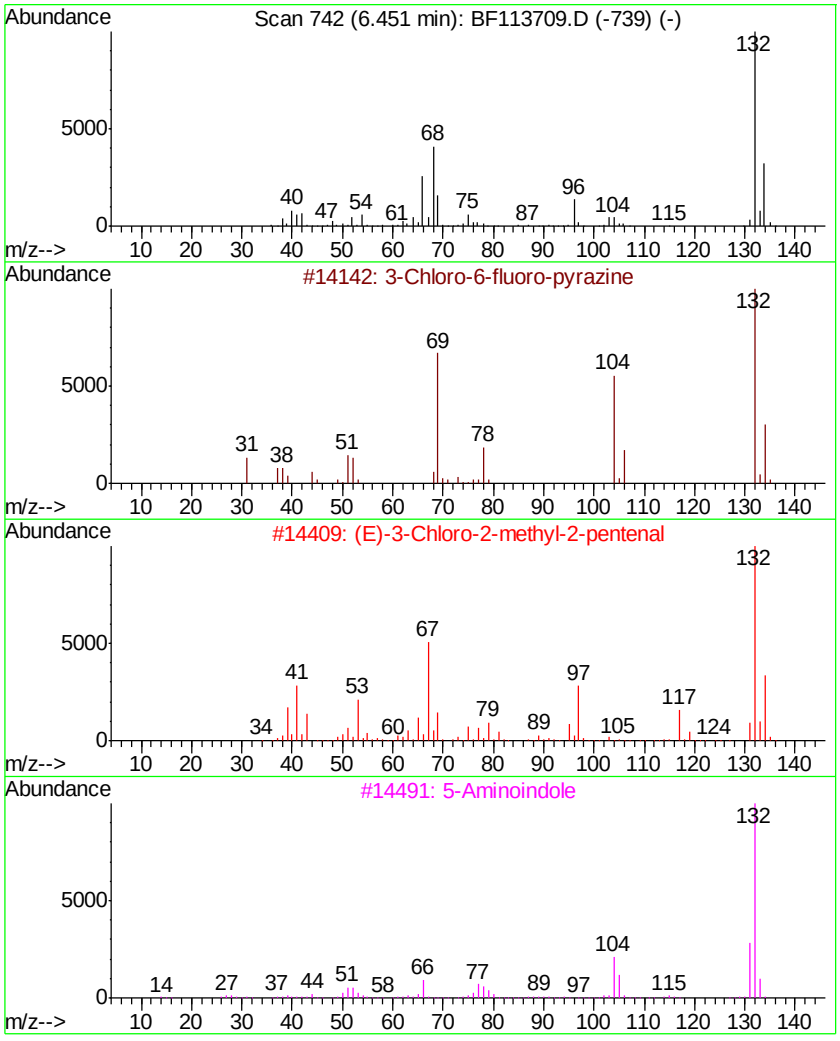
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

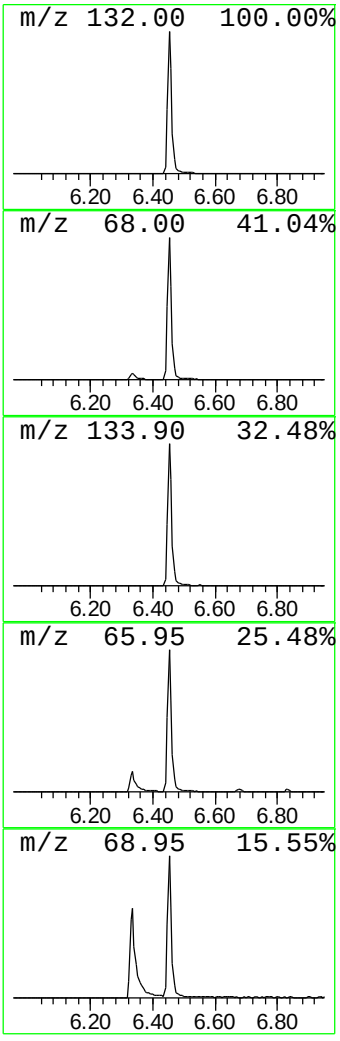
****

Peak Number 1 unknown6.45 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	37.41 ng	1271030	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Amphetaminil	250	C17H18N2	017590-01-1	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

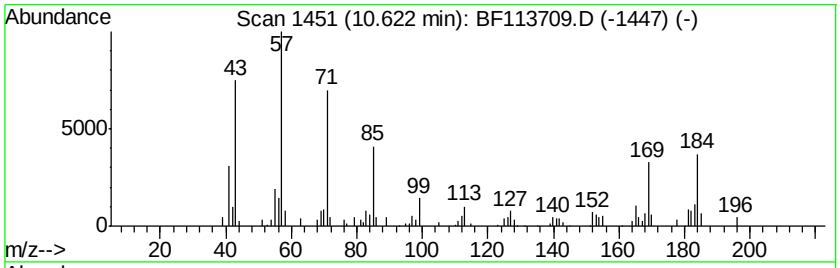
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

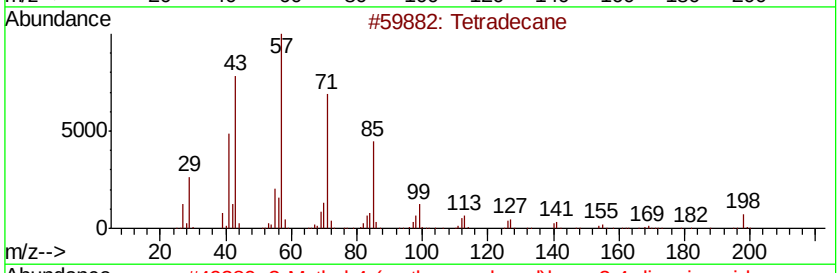
****

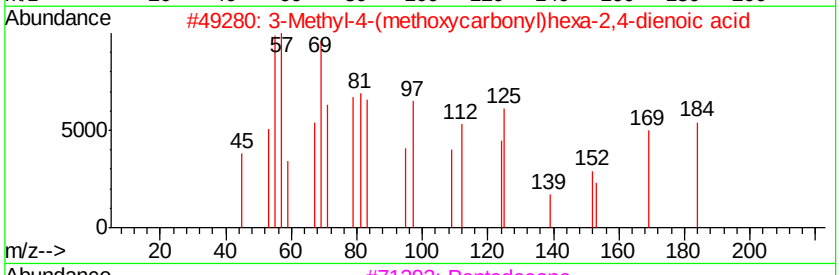
Peak Number 3 Tetradecane Concentration Rank 18

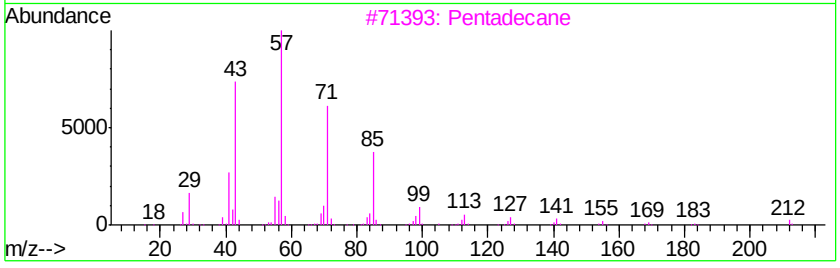
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	3.36 ng	137024	Phenanthrene-d10	11.19

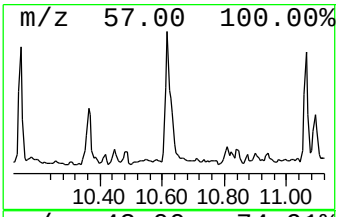
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	86
3	Pentadecane	212	C15H32	000629-62-9	83
4	Heptacosane	380	C27H56	000593-49-7	83
5	Tetracosane	338	C24H50	000646-31-1	83

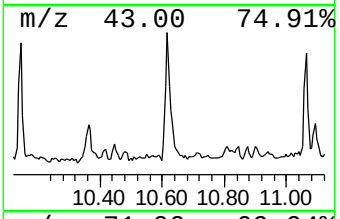


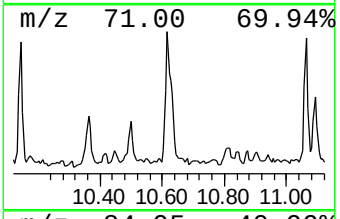


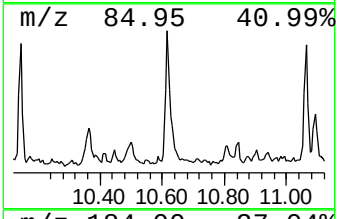


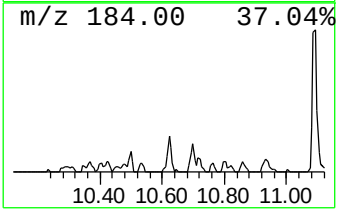












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

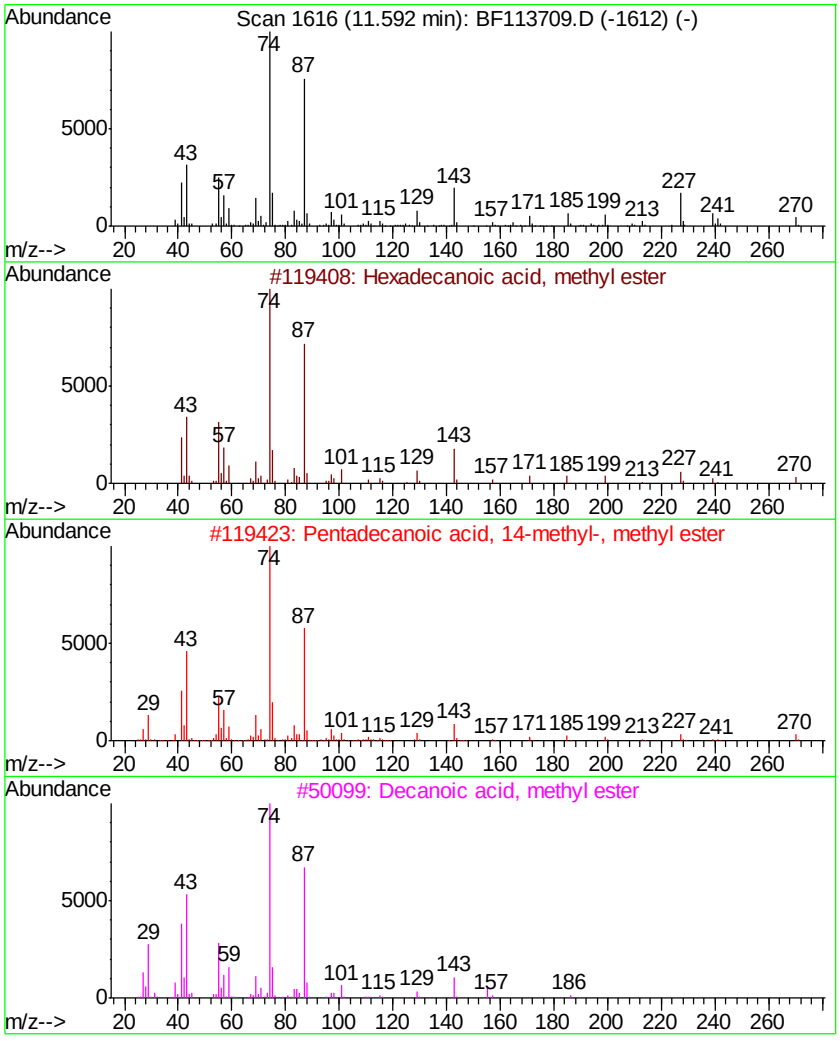
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

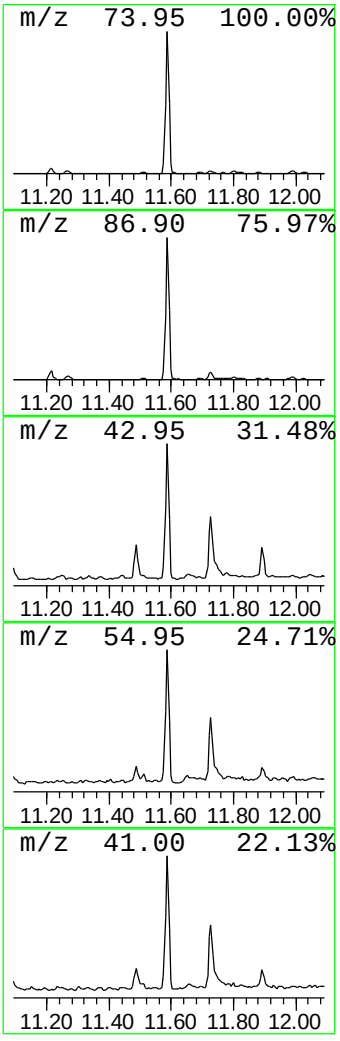
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	11.96 ng	488024	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	86
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





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Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

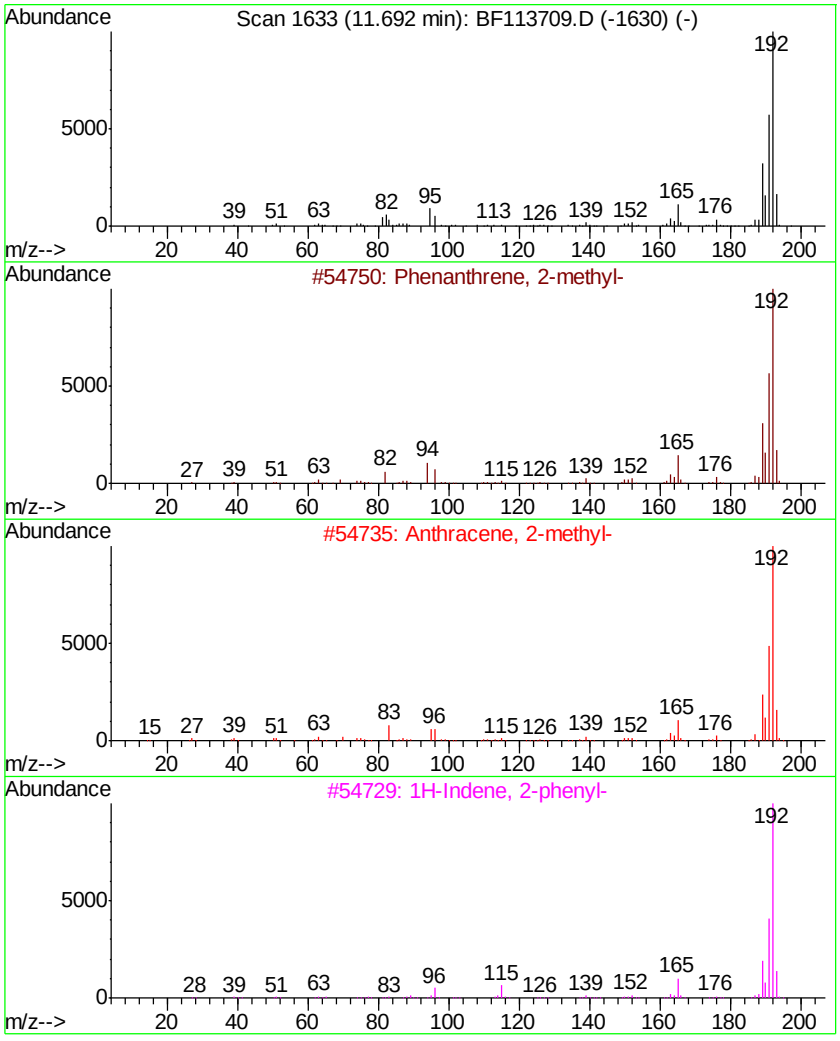
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

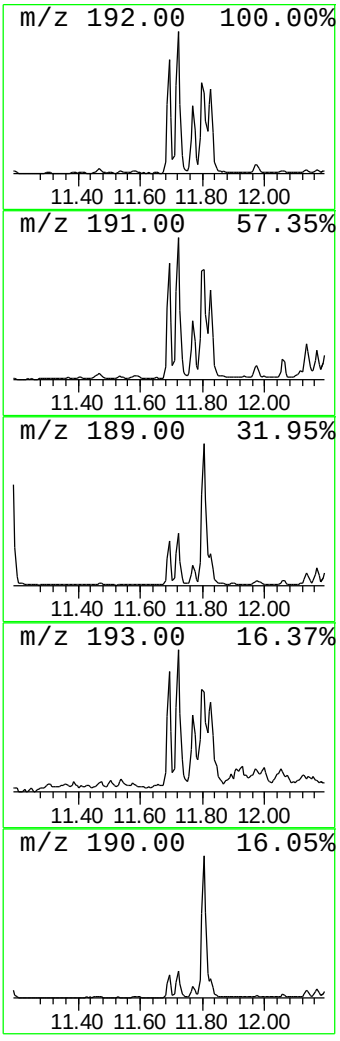
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	4.61 ng	187983	Phenanthrene-d10	11.19

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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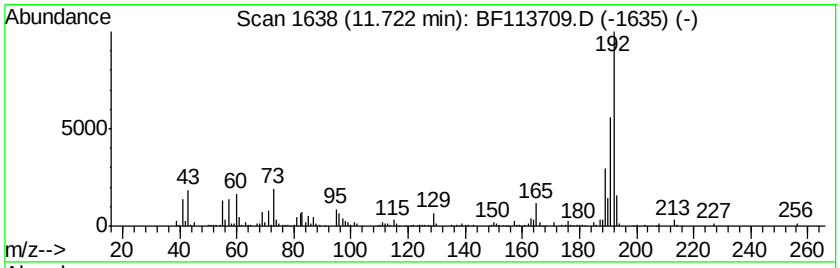
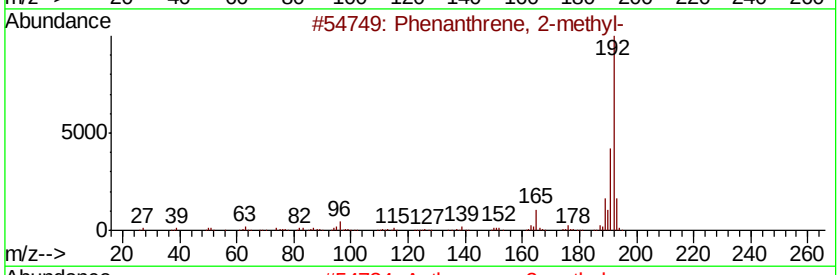
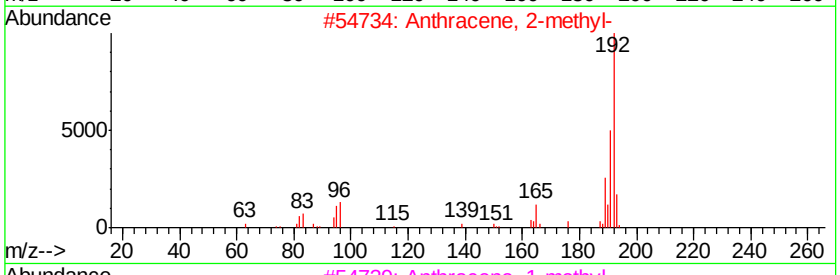
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

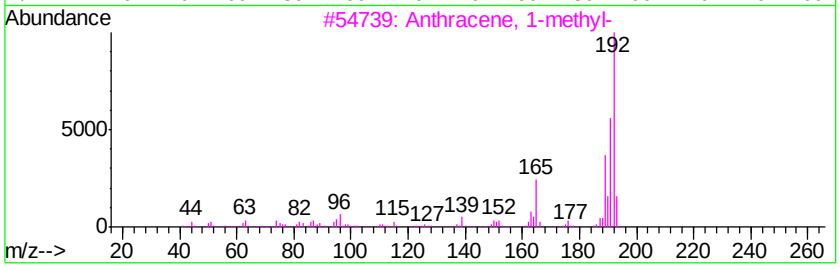
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	11.38 ng	464231	Phenanthrene-d10	11.19

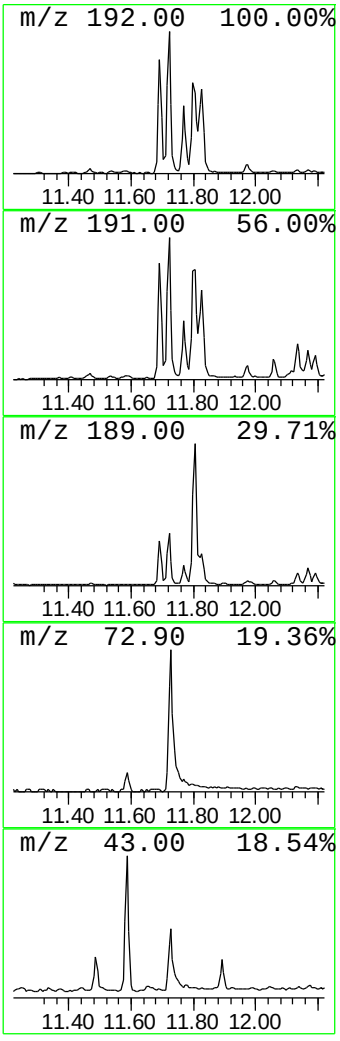
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92











Library Search Compound Report

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Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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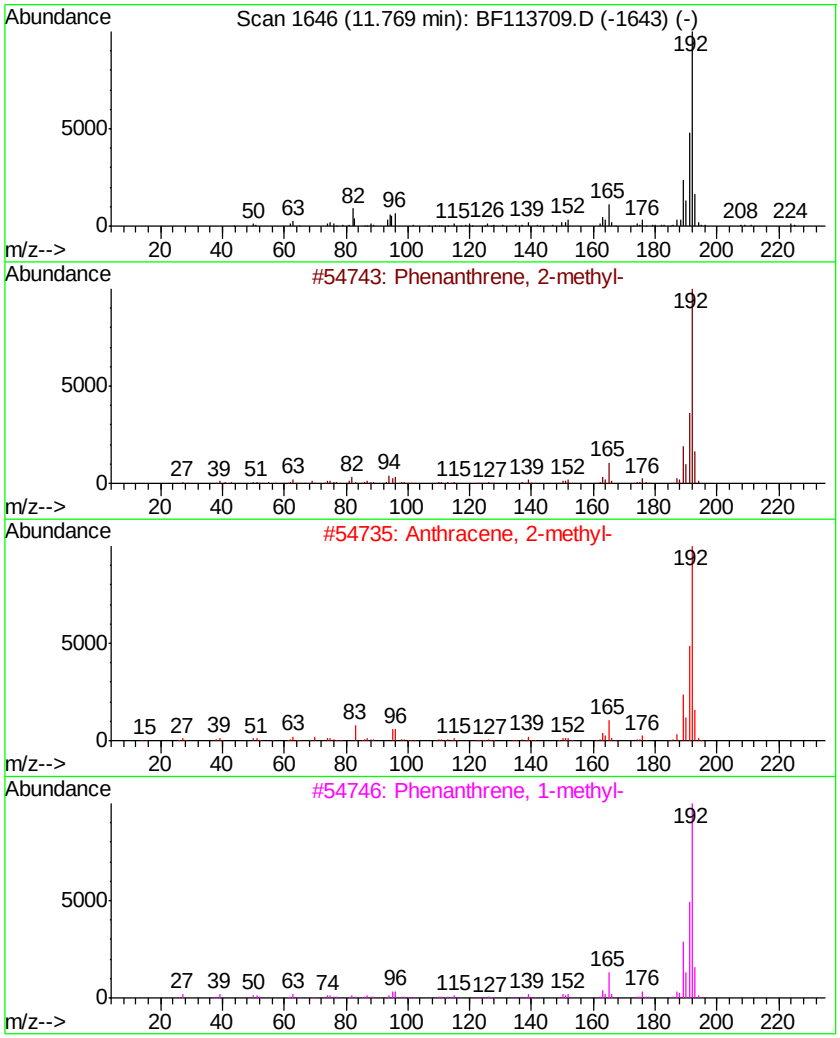
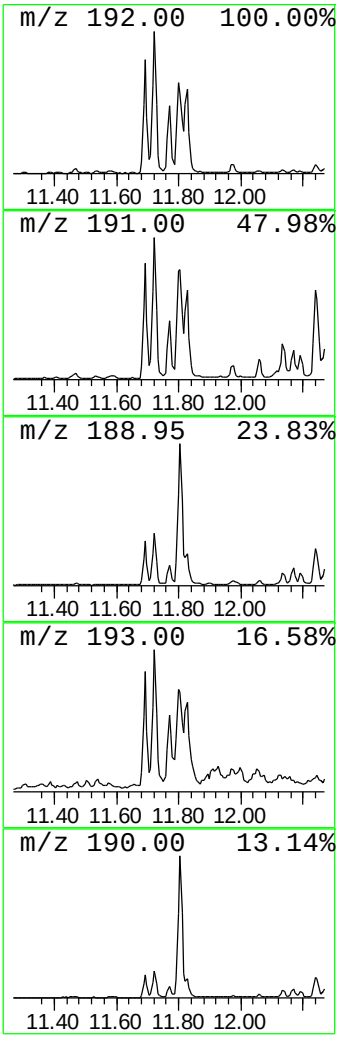
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.09 ng	126078	Phenanthrene-d10	11.19

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





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Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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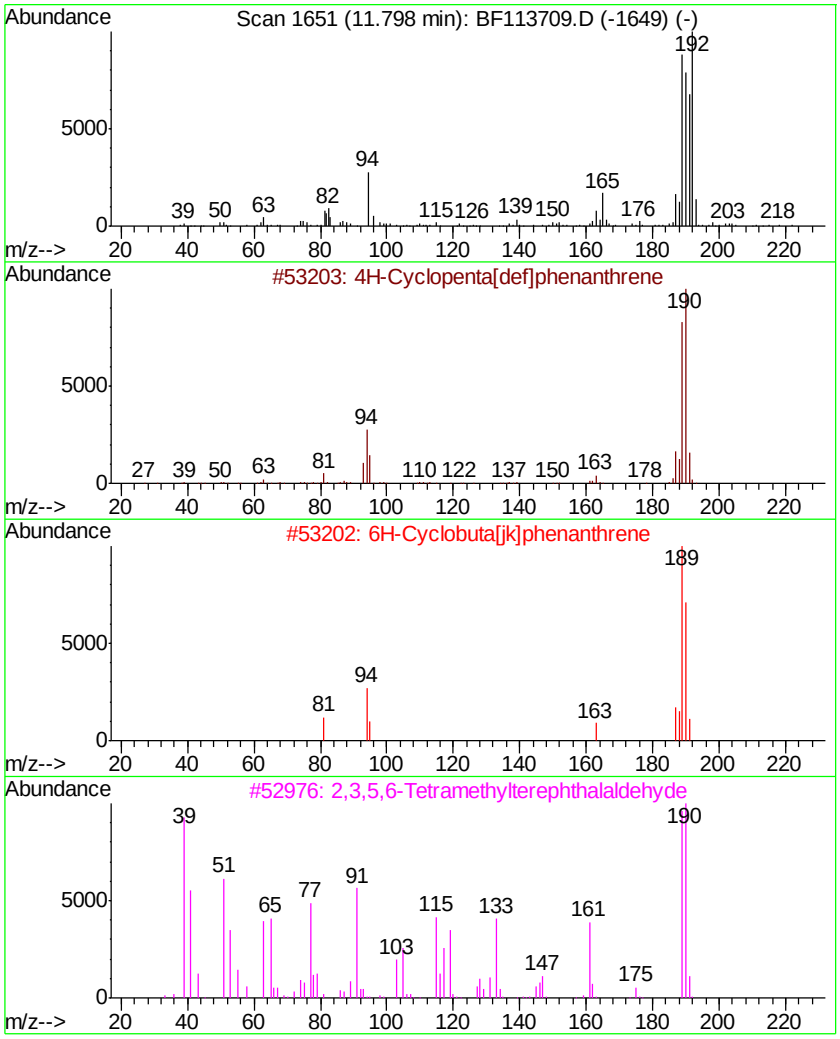
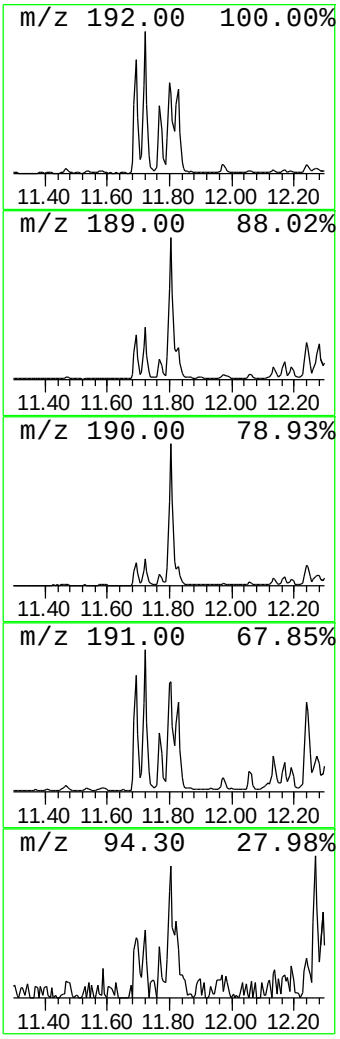
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	9.39 ng	383280	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





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Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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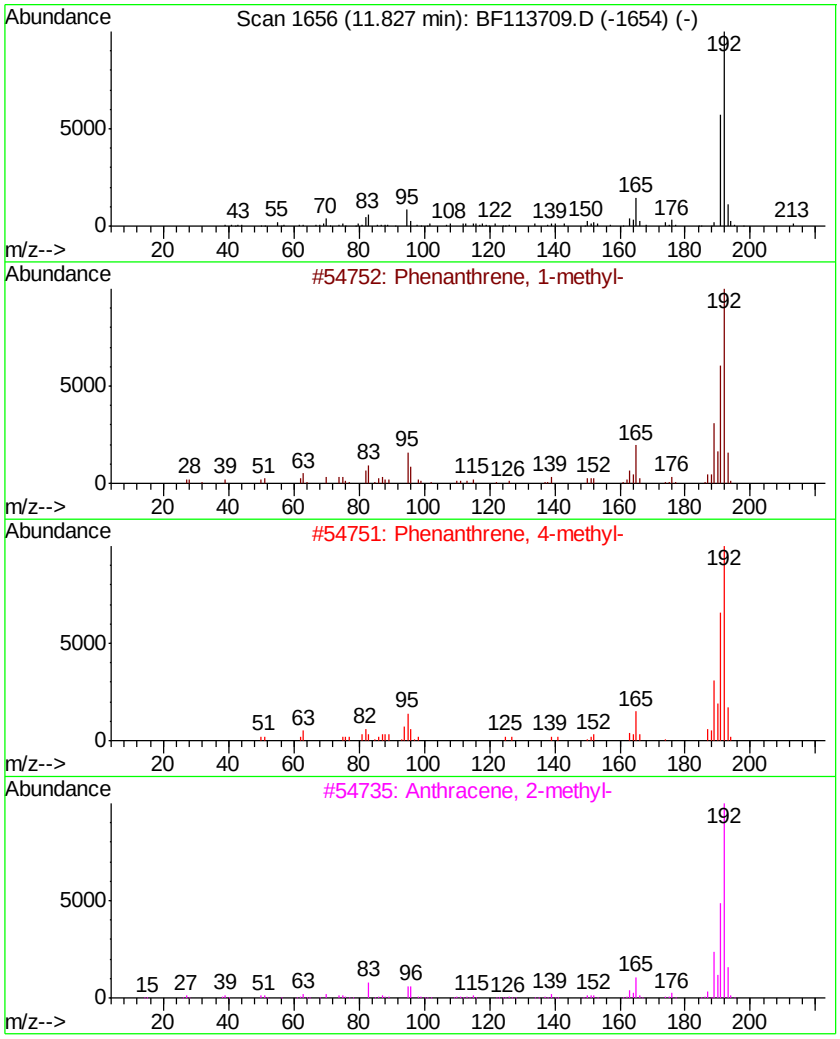
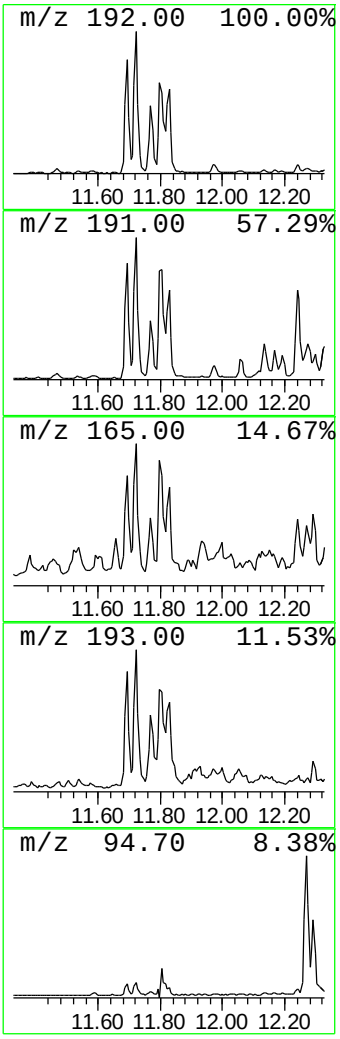
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.57 ng	145507	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Library Search Compound Report

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Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

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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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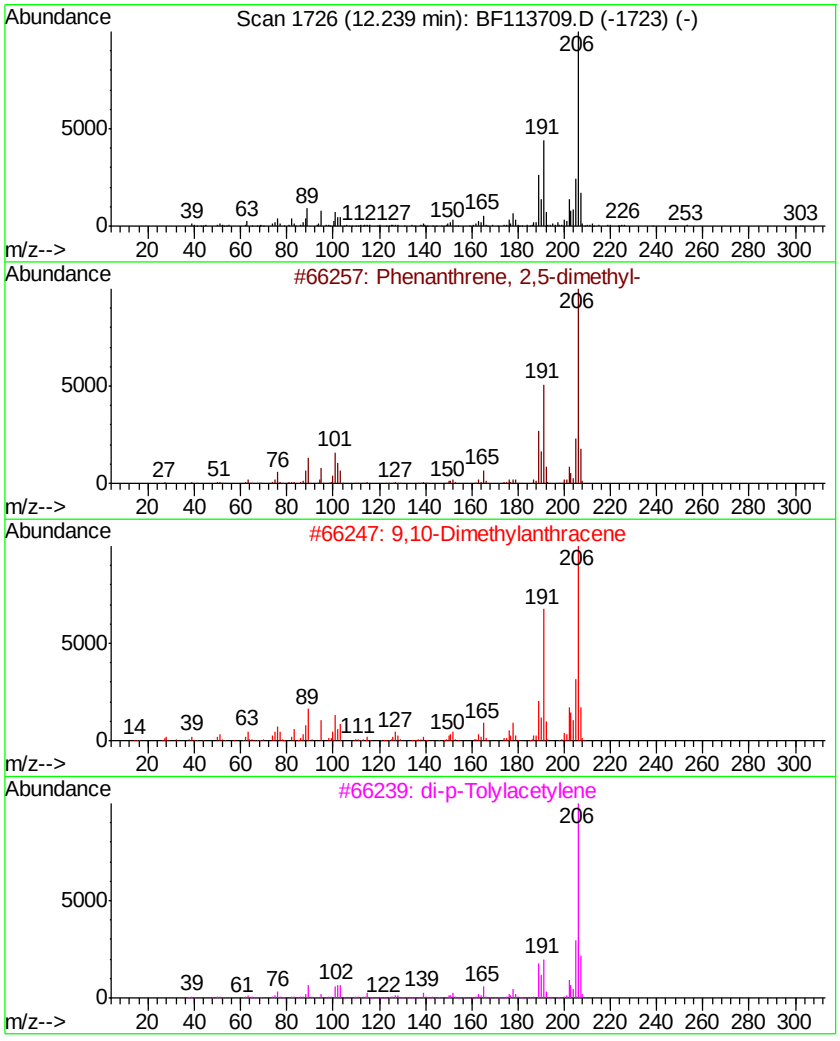
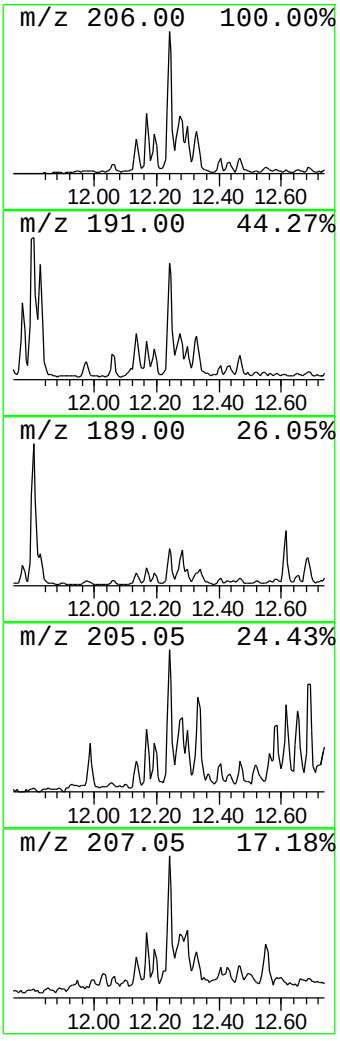
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	6.08 ng	248026	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

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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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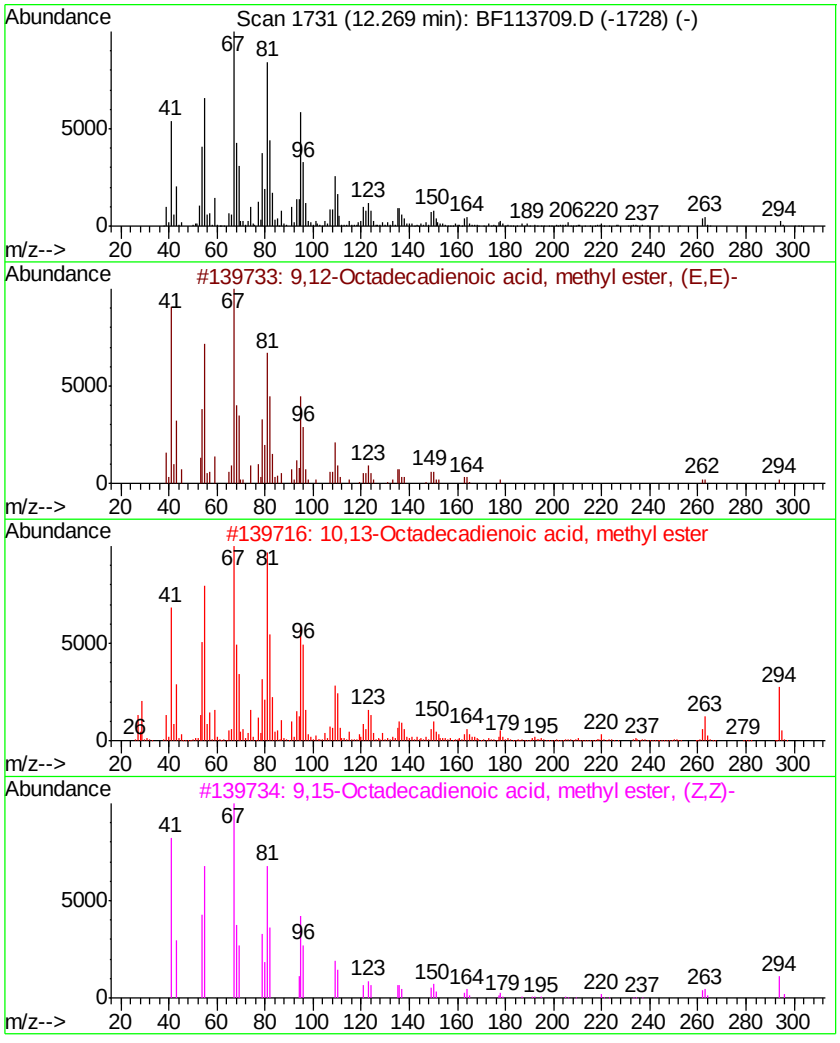
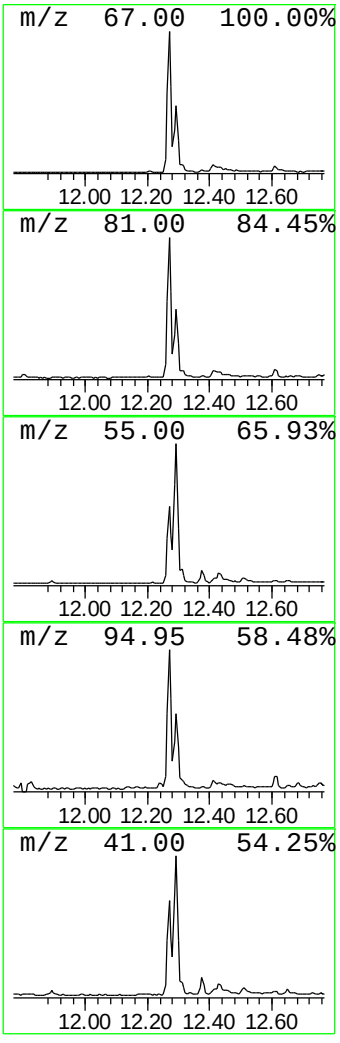
Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	35.45 ng	1446490	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

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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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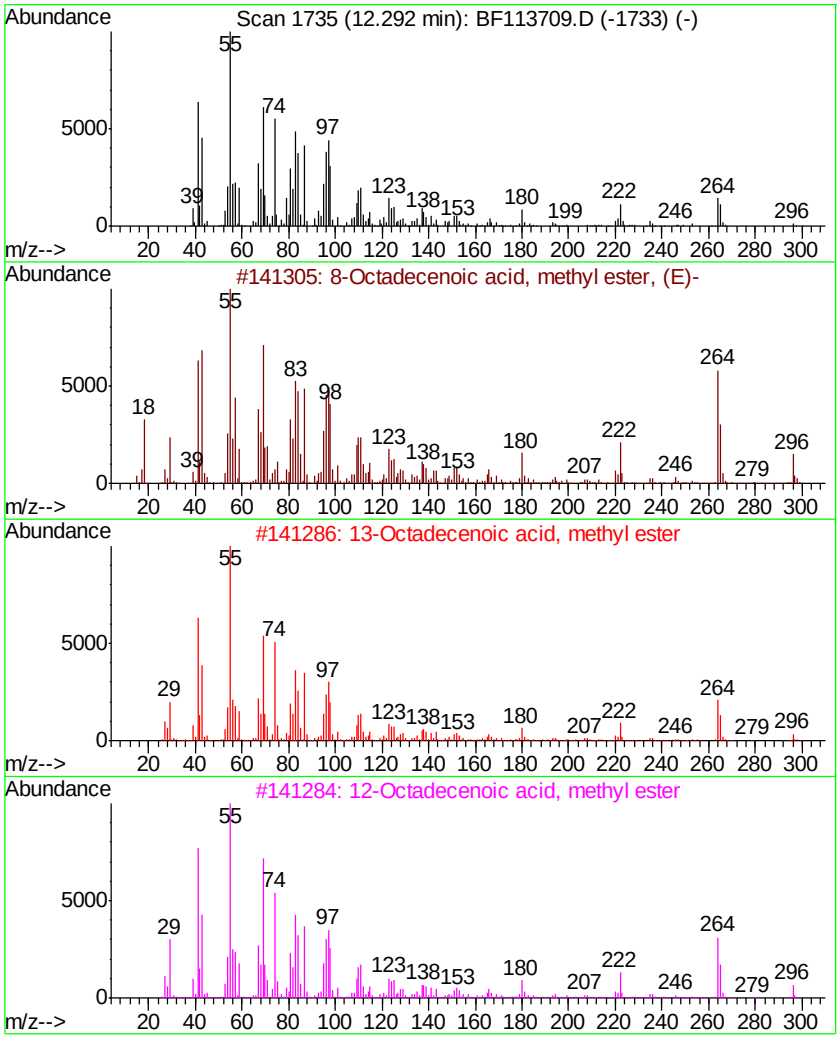
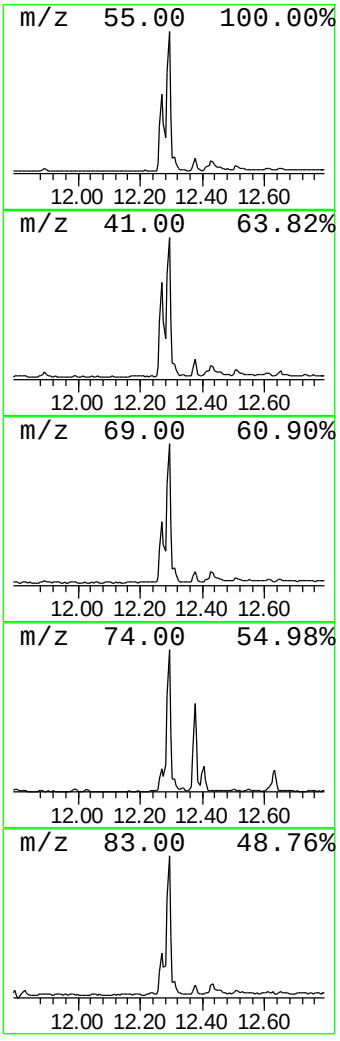
Peak Number 12 8-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	42.81 ng	1746560	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
4	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99





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Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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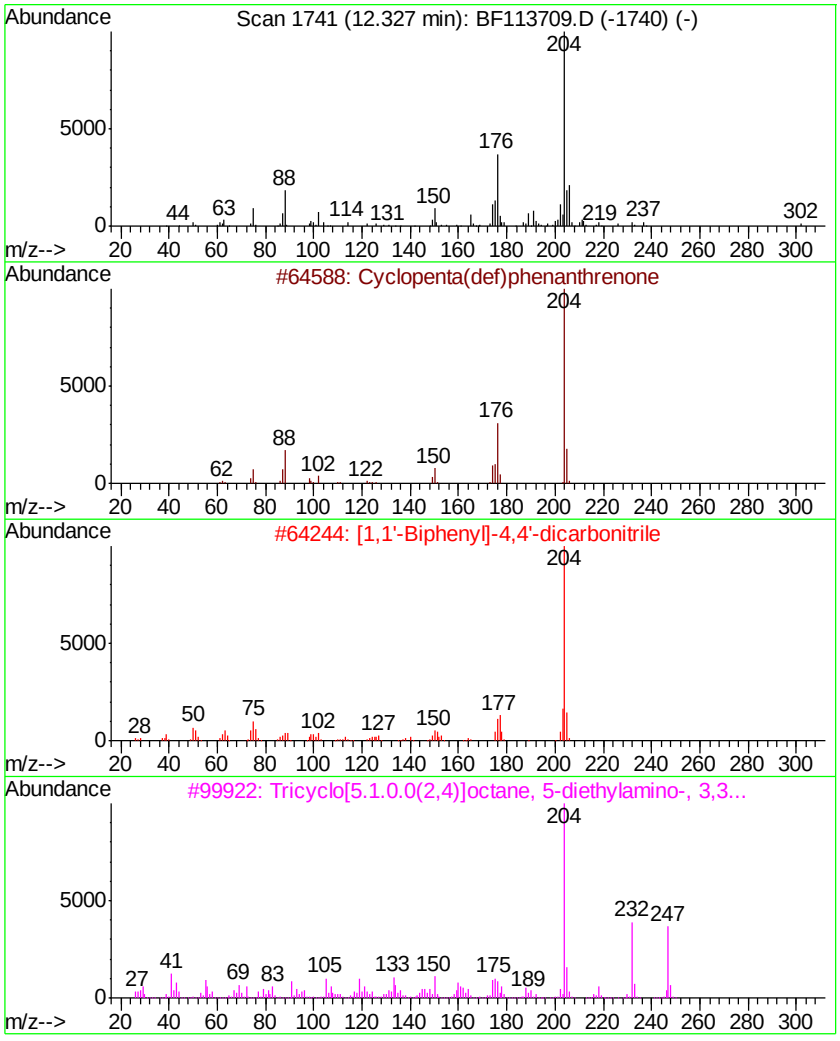
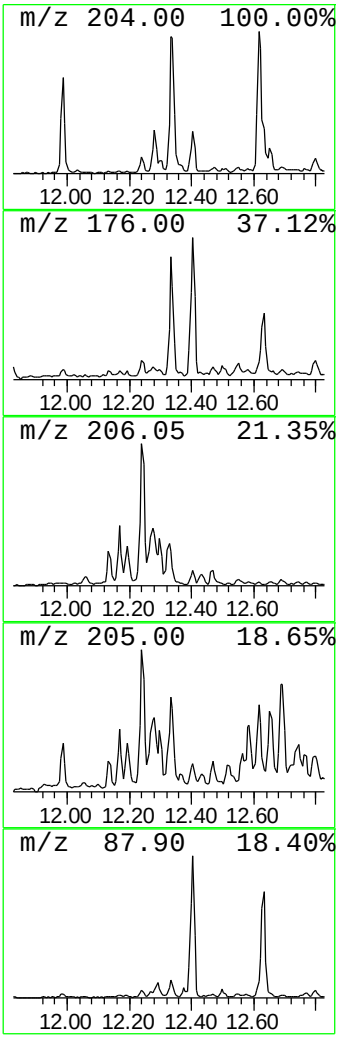
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.36 ng	177946	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	59
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	56
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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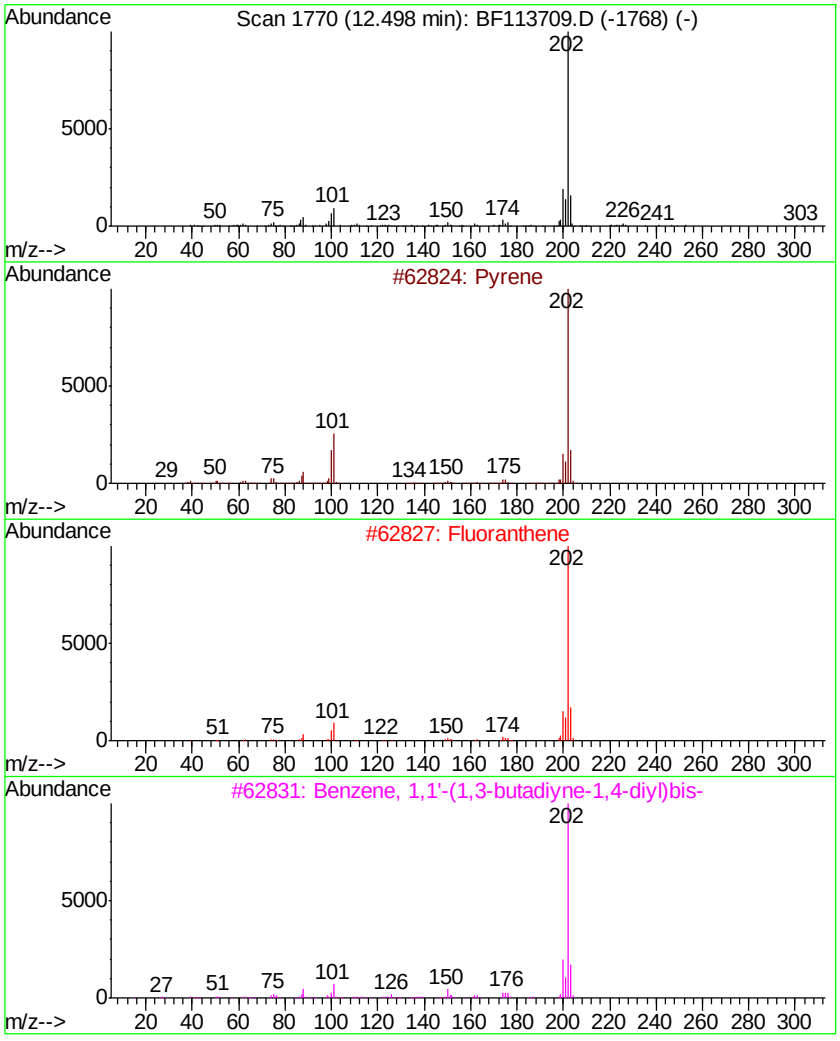
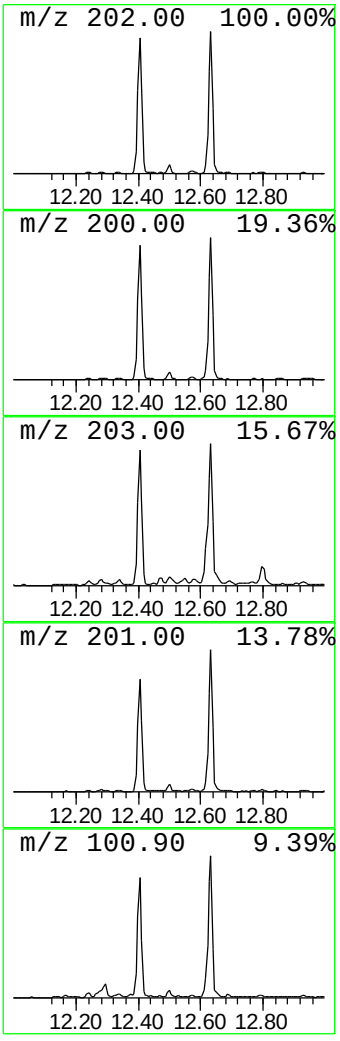
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.04 ng	164880	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	64
2	Fluoranthene	202	C16H10	000206-44-0	64
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	50
5	1H-Indole-3-propanoic acid, 1-(t...	275	C15H21NO2Si	056196-72-6	45





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Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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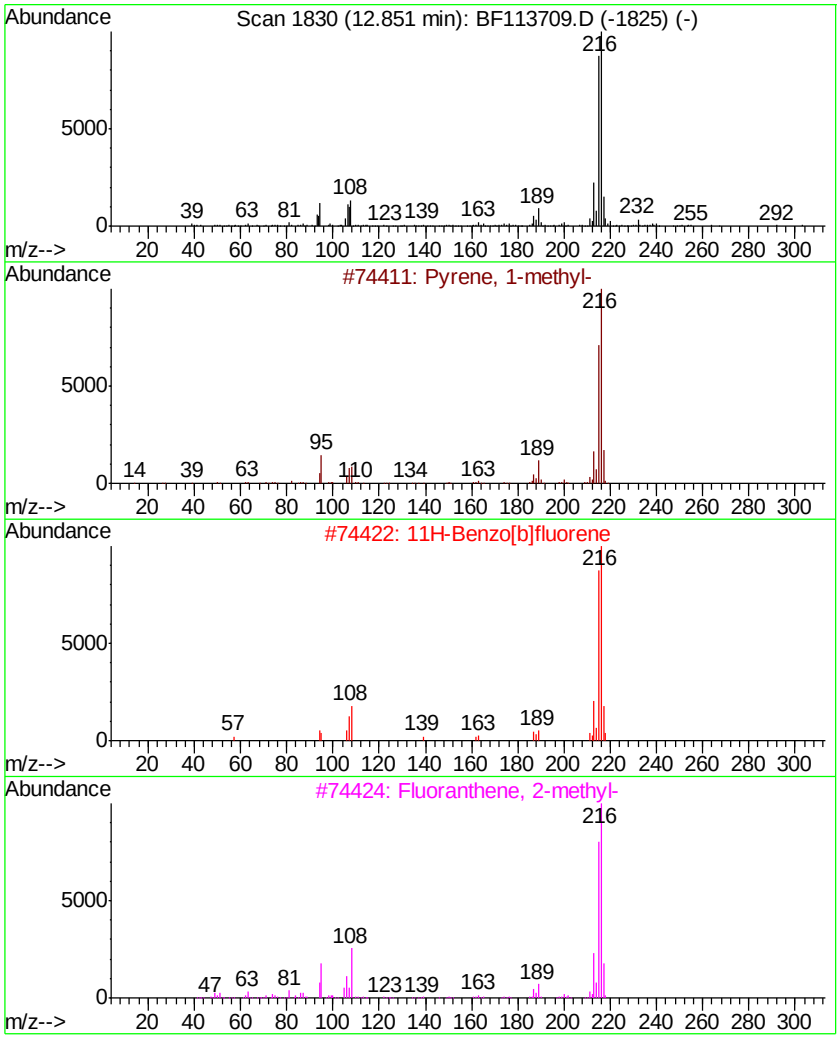
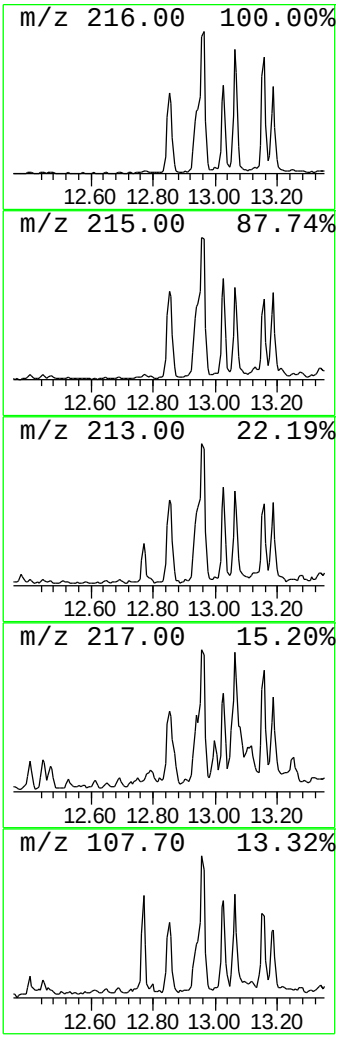
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	3.65 ng	447157	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

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Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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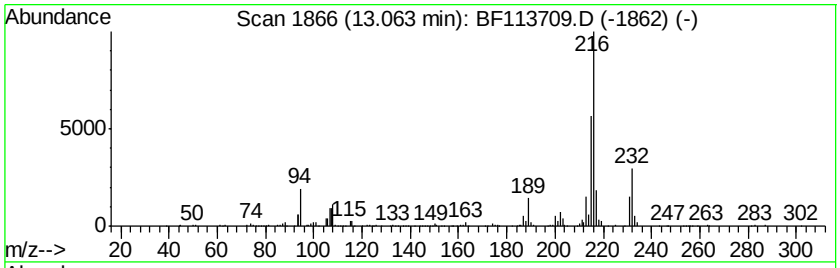
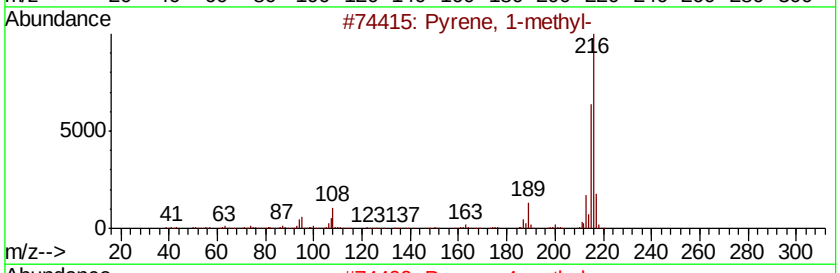
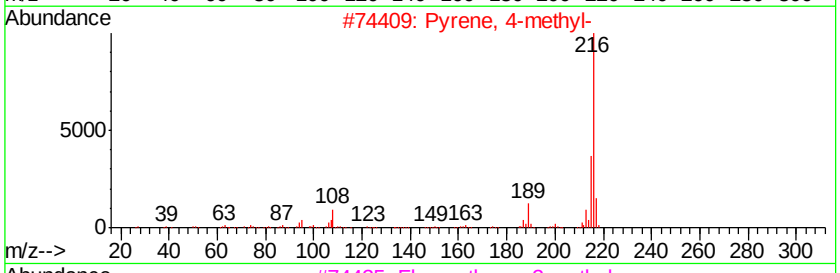
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 19

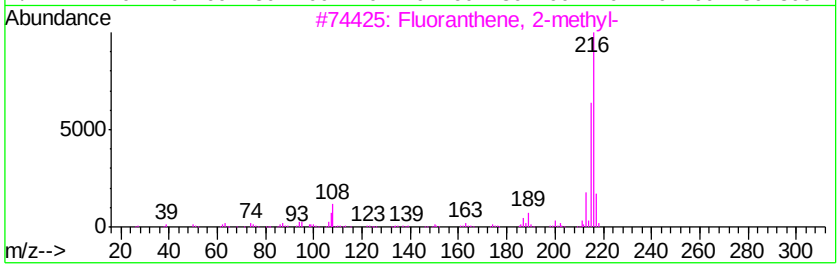
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	3.11 ng	380909	Chrysene-d12	13.83

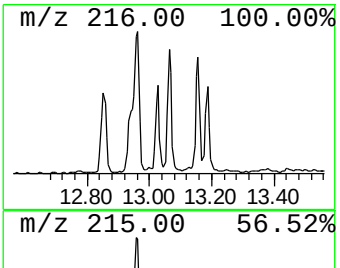
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70

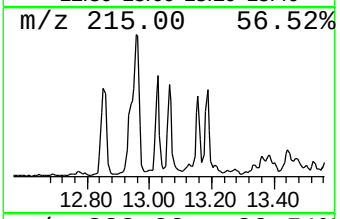


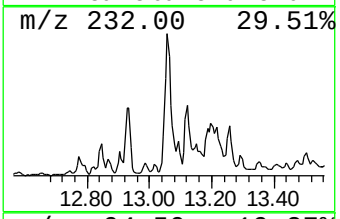


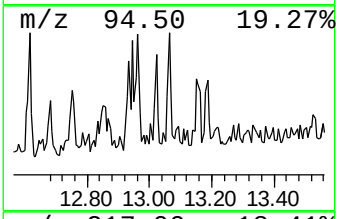


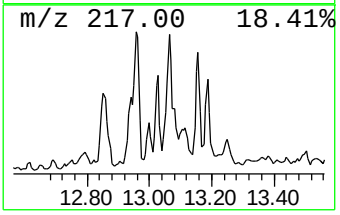












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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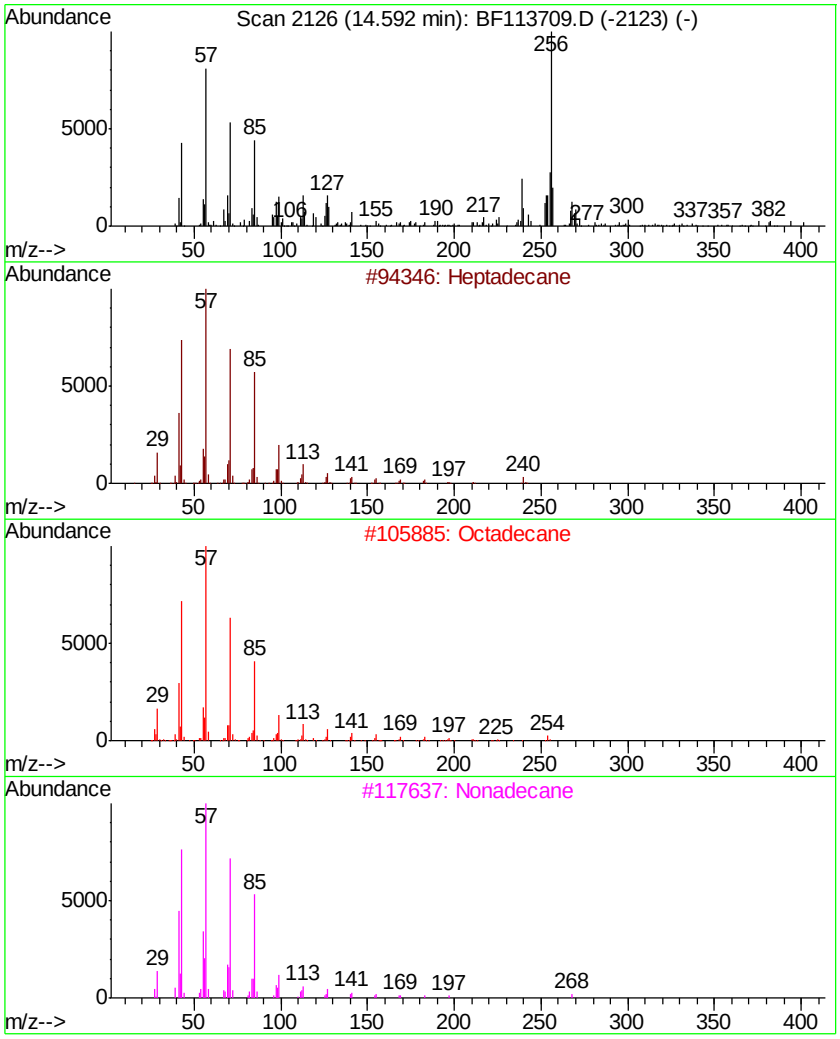
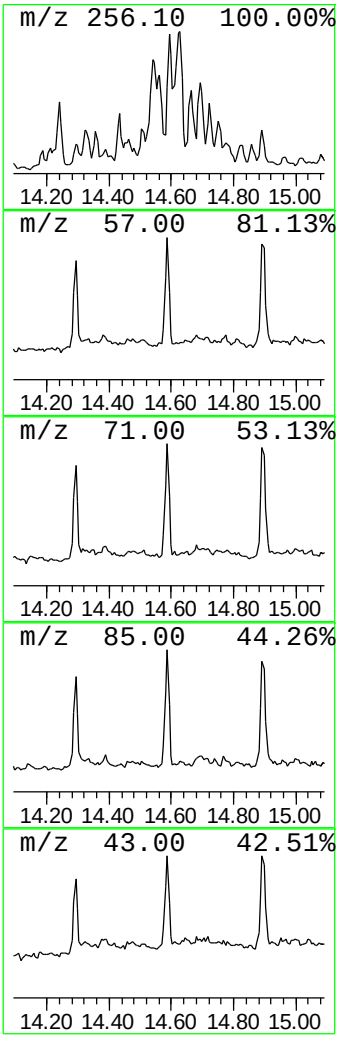
Peak Number 17 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	3.98 ng	130238	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Octadecane	254	C18H38	000593-45-3	93
3	Nonadecane	268	C19H40	000629-92-5	86
4	Heneicosane	296	C21H44	000629-94-7	81
5	Tetracosane	338	C24H50	000646-31-1	74





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Data File : BF113709.D
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Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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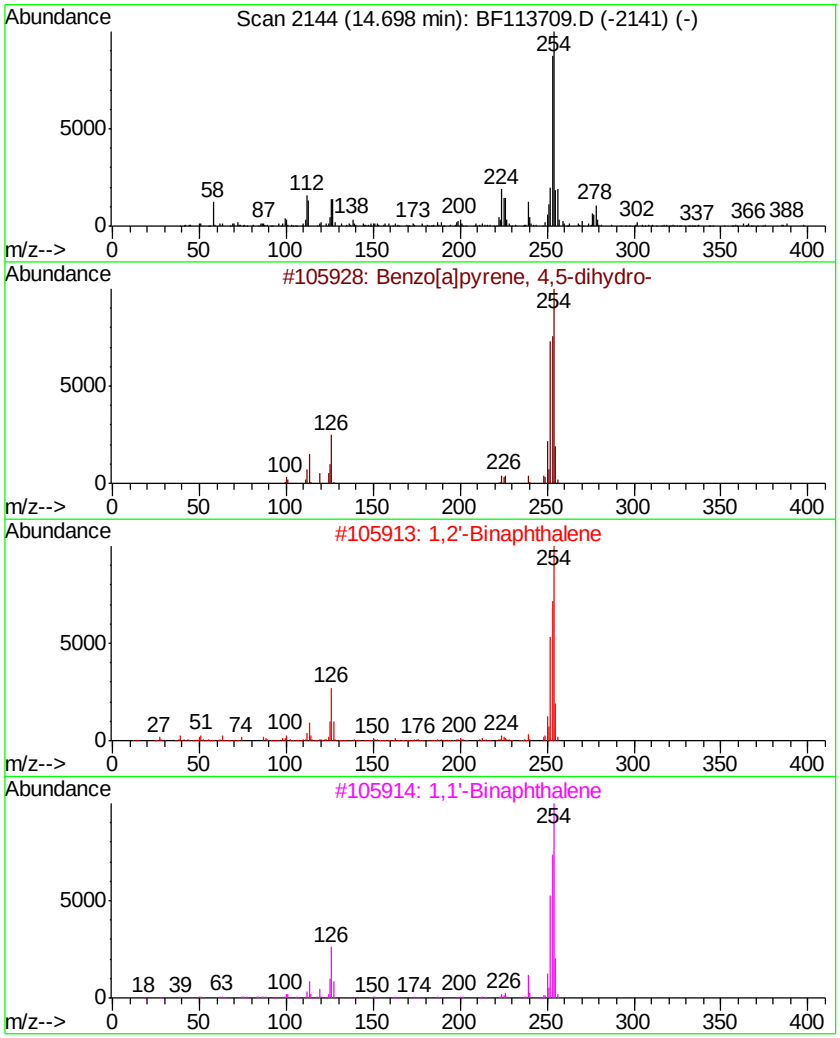
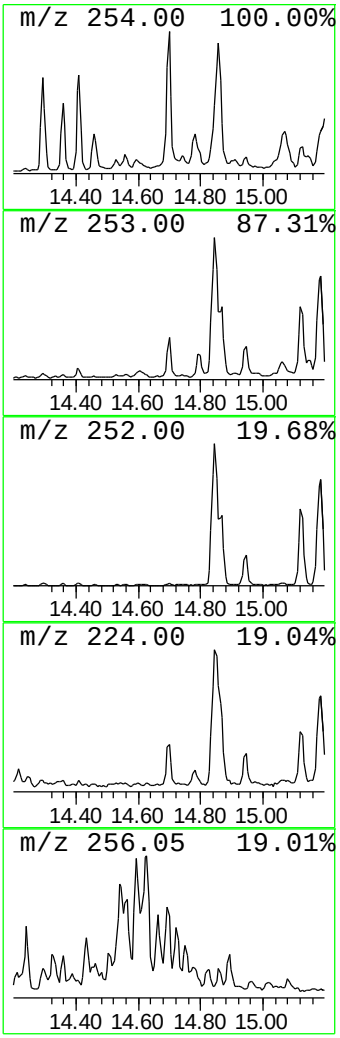
Peak Number 18 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	4.91 ng	160660	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	58
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	53





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Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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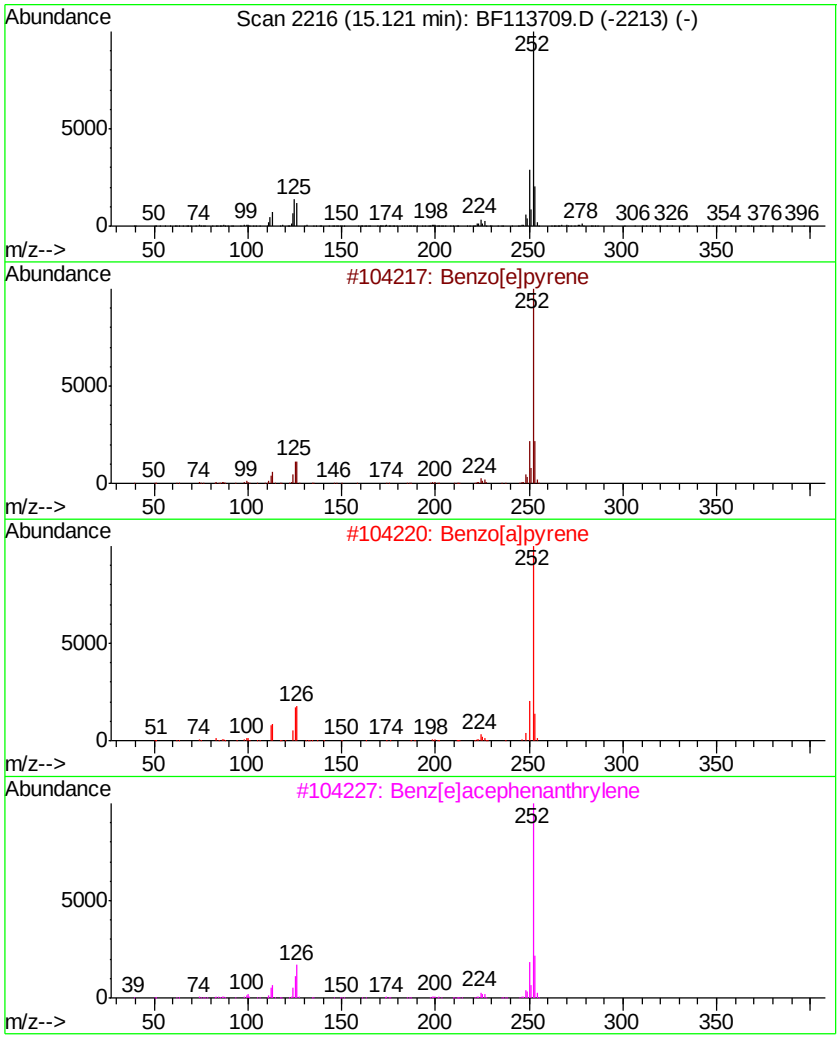
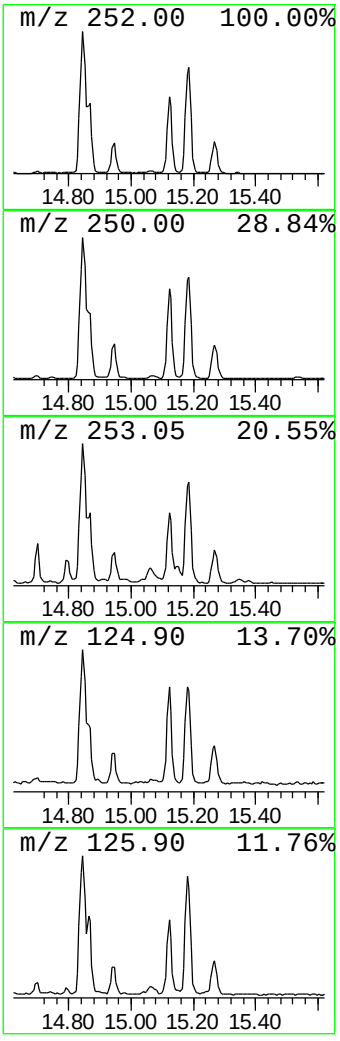
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	21.04 ng	688914	Perylene-d12	15.24

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	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041019\
Data File : BF113709.D
Acq On : 10 Apr 2019 21:21
Operator : JU/SJ
Sample : K2203-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-040919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	37.4	ng	1271030	1	6.67	679453	20.0
Tetradecane	10.62	3.4	ng	137024	4	11.19	815982	20.0
Hexadecanoic acid...	11.59	12.0	ng	488024	4	11.19	815982	20.0
Phenanthrene, 2-m...	11.69	4.6	ng	187983	4	11.19	815982	20.0
Anthracene, 2-met...	11.72	11.4	ng	464231	4	11.19	815982	20.0
Phenanthrene, 1-m...	11.77	3.1	ng	126078	4	11.19	815982	20.0
4H-Cyclopenta[def...	11.80	9.4	ng	383280	4	11.19	815982	20.0
Phenanthrene, 4-m...	11.83	3.6	ng	145507	4	11.19	815982	20.0
Phenanthrene, 2,5...	12.24	6.1	ng	248026	4	11.19	815982	20.0
9,12-Octadecadien...	12.27	35.5	ng	1446490	4	11.19	815982	20.0
8-Octadecenoic ac...	12.29	42.8	ng	1746560	4	11.19	815982	20.0
Cyclopenta(def)ph...	12.33	4.4	ng	177946	4	11.19	815982	20.0
Benzene, 1,1'-(1,...	12.50	4.0	ng	164880	4	11.19	815982	20.0
11H-Benzo[b]fluorene	12.85	3.6	ng	447157	5	13.83	2450230	20.0
Pyrene, 4-methyl-	13.06	3.1	ng	380909	5	13.83	2450230	20.0
Heptadecane	14.59	4.0	ng	130238	6	15.24	654793	20.0
Benzo[a]pyrene, 4...	14.70	4.9	ng	160660	6	15.24	654793	20.0
Benzo[e]pyrene	15.12	21.0	ng	688914	6	15.24	654793	20.0