LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

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-BF051019.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	5.475	572	576	587	rVB	652793	661617	8.52%	0.711%
2	6.481	744	747	761	rBV	740483	757155	9.75%	0.814%
3	6.622	767	771	779	rBV	900680	747203	9.62%	0.803%
4	6.851	806	810	818	rBV	1844198	1514461	19.51%	1.627%
5	7.004	833	836	850	rVB	613131	571040	7.36%	0.614%
6	7.404	901	904	910	rBV	448020	420259	5.41%	0.452%
7	8.133	1024	1028	1030	rBV	2034485	1855613	23.90%	1.994%
8	8.151	1030	1031	1035	rVB	220364	144342	1.86%	0.155%
9	9.204	1206	1210	1217	rBV	892664	753523	9.71%	0.810%
10	9.604	1274	1278	1285	rVB2	173130	245347	3.16%	0.264%
11	9.745	1298	1302	1308	rBV	790656	669357	8.62%	0.719%
12	9.886	1322	1326	1329	rVB	2025942	1857398	23.92%	1.996%
13	10.669	1454	1459	1463	rBV	522207	470230	6.06%	0.505%
14	10.798	1477	1481	1486	rVB3	150232	179027	2.31%	0.192%
15	10.980	1507	1512	1514	rBV3	97110	138735	1.79%	0.149%
16	11.174	1542	1545	1549	rVB	184290	159401	2.05%	0.171%
17	11.263	1557	1560	1565	rVB	320882	292785	3.77%	0.315%
18	11.369	1574	1578	1580	rBV	2208944	1945849	25.06%	2.091%
19	11.392	1580	1582	1588	rVV	4119603	3641908	46.91%	3.913%
20	11.445	1588	1591	1593	rVV	519394	427440	5.51%	0.459%
21	11.474	1593	1596	1600	rVB2	106884	117420	1.51%	0.126%
22	11.663	1622	1628	1631	rVV2	453461	454720	5.86%	0.489%
23	11.698	1631	1634	1639	rVB	407747	380490	4.90%	0.409%
24	11.763	1639	1645	1646	rBV3	126604	158044	2.04%	0.170%
25	11.780	1646	1648	1652	rVB	217179	233696	3.01%	0.251%
26	11.827	1652	1656	1660	rBV2	149236	213277	2.75%	0.229%
27	11.869	1660	1663	1666	rVV	1439492	1342895	17.30%	1.443%
28	11.898	1666	1668	1671	rVV	1740835	1369292	17.64%	1.471%
29	11.945	1673	1676	1678	rBV	228886	174549	2.25%	0.188%
30	11.980	1678	1682	1684	rBV2	1786932	1799223	23.17%	1.933%
31	12.004	1684	1686	1691	rVB	1244380	1017903	13.11%	1.094%
32	12.104	1700	1703	1705	rVB2	182241	154641	1.99%	0.166%
33	12.163	1710	1713	1715	rVV	1416225	1251279	16.12%	1.344%
34	12.192	1715	1718	1724	rVB2	1358124	1275663	16.43%	1.371%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.298	1733	1736	1737	rBV	142829	137926	1.78%	0.148%
36	12.316	1737	1739	1742	rVV2	313438	301215	3.88%	0.324%
37	12.345	1742	1744	1746	rVV	330215	263001	3.39%	0.283%
38	12.369	1746	1748	1751	rVB2	259457	209704	2.70%	0.225%
39	12.421	1751	1757	1760	rBV3	1032541	1292163	16.64%	1.388%
40	12.457	1760	1763	1765	rVV2	522924	643514	8.29%	0.691%
41	12.474	1765	1766	1769	rVB	328888	226868	2.92%	0.244%
42	12.510	1769	1772	1776	rBV2	804756	956662	12.32%	1.028%
43	12.586	1779	1785	1788	rBV	4889321	4587918	59.09%	4.930%
44	12.627	1788	1792	1794	rBV	332446	310144	3.99%	0.333%
45	12.645	1794	1795	1798	rVB2	188316	148391	1.91%	0.159%
46	12.674	1798	1800	1803	rVB	980443	845695	10.89%	0.909%
47	12.716	1803	1807	1809	rBV2	510556	483068	6.22%	0.519%
48	12.751	1812	1813	1819	rVB2	277003	268836	3.46%	0.289%
49	12.821	1819	1825	1829	rBV	6913203	7763836	100.00%	8.342%
50	12.868	1829	1833	1836	rVB2	289817	348487	4.49%	0.374%
51	12.945	1844	1846	1849	rBV	666385	585157	7.54%	0.629%
52	13.027	1857	1860	1867	rBV2	881244	1305942	16.82%	1.403%
53	13.086	1867	1870	1872	rVV2	257810	271691	3.50%	0.292%
54	13.116	1872	1875	1877	rVV3	857105	1155330	14.88%	1.241%
55	13.139	1877	1879	1882	rVB	1073810	888980	11.45%	0.955%
56	13.180	1882	1886	1888	rBV3	205984	224670	2.89%	0.241%
57	13.204	1888	1890	1894	rVV	497999	480091	6.18%	0.516%
58	13.245	1894	1897	1900	rVV	1481679	1317556	16.97%	1.416%
59	13.310	1904	1908	1910	rBV2	235001	266366	3.43%	0.286%
60	13.339	1910	1913	1915	rVV	1148718	1078661	13.89%	1.159%
61	13.368	1915	1918	1921	rVB	1180035	1006111	12.96%	1.081%
62	13.457	1929	1933	1935	rBV3	208825	213873	2.75%	0.230%
63	13.539	1945	1947	1949	rVV2	130355	138989	1.79%	0.149%
64	13.645	1962	1965	1970	rVB	893006	897400	11.56%	0.964%
65	13.757	1978	1984	1986	rBV2	938156	1209199	15.57%	1.299%
66	13.786	1986	1989	1991	rVV	1109848	973899	12.54%	1.046%
67	13.810	1991	1993	1996	rVV	811181	694832	8.95%	0.747%
68	13.857	1996	2001	2005	rVB2	699095	875979	11.28%	0.941%
69	13.927	2010	2013	2021	rVB3	202249	361203	4.65%	0.388%
70	14.004	2021	2026	2029	rBV2	3905338	5677477	73.13%	6.100%
71	14.039	2029	2032	2036	rVB	3456944	3330065	42.89%	3.578%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.098	2039	2042	2046	rBV3	171241	212883	2.74%	0.229%
73	14.133	2046	2048	2049	rBV2	196743	160015	2.06%	0.172%
74	14.157	2049	2052	2054	rBV	1151436	1048213	13.50%	1.126%
75	14.262	2068	2070	2073	rVB3	240482	236380	3.04%	0.254%
76	14.327	2078	2081	2084	rVB4	133117	159134	2.05%	0.171%
77	14.357	2084	2086	2088	rBV2	301490	291005	3.75%	0.313%
78	14.398	2088	2093	2096	rVV	1014727	1244307	16.03%	1.337%
79	14.433	2096	2099	2102	rVV2	653439	777092	10.01%	0.835%
80	14.474	2102	2106	2111	rVV3	587739	1070775	13.79%	1.151%
81	14.521	2111	2114	2116	rVV2	641320	714394	9.20%	0.768%
82	14.545	2116	2118	2121	rVV	651647	577494	7.44%	0.621%
83	14.592	2123	2126	2129	rVB	493984	458145	5.90%	0.492%
84	14.733	2147	2150	2155	rVB4	121954	170555	2.20%	0.183%
85	14.780	2156	2158	2161	rBV3	118270	144011	1.85%	0.155%
86	14.815	2161	2164	2168	rVB2	305749	358342	4.62%	0.385%
87	14.857	2168	2171	2172	rBV3	129657	126839	1.63%	0.136%
88	14.951	2184	2187	2194	rVB4	202256	367679	4.74%	0.395%
89	15.057	2199	2205	2212	rVB2	2144023	4177717	53.81%	4.489%
90	15.157	2219	2222	2226	rVB	531736	591500	7.62%	0.636%
91	15.357	2251	2256	2261	rVB	1855996	2323724	29.93%	2.497%
92	15.421	2261	2267	2271	rBV	2185407	2793611	35.98%	3.002%
93	15.480	2271	2277	2280	rVV	1388322	2016741	25.98%	2.167%
94	15.509	2280	2282	2289	rVB3	363790	522717	6.73%	0.562%
95	15.798	2328	2331	2334	rVB	136936	154536	1.99%	0.166%
96	15.833	2334	2337	2344	rVB2	133215	200048	2.58%	0.215%
97	16.033	2369	2371	2376	rVB3	176423	235467	3.03%	0.253%
98	16.939	2519	2525	2533	rVB2	714937	1366445	17.60%	1.468%
99	17.174	2561	2565	2569	rBV	99355	153598	1.98%	0.165%
100	17.386	2595	2601	2611	rVB	631236	1278103	16.46%	1.373%

Sum of corrected areas: 93068151

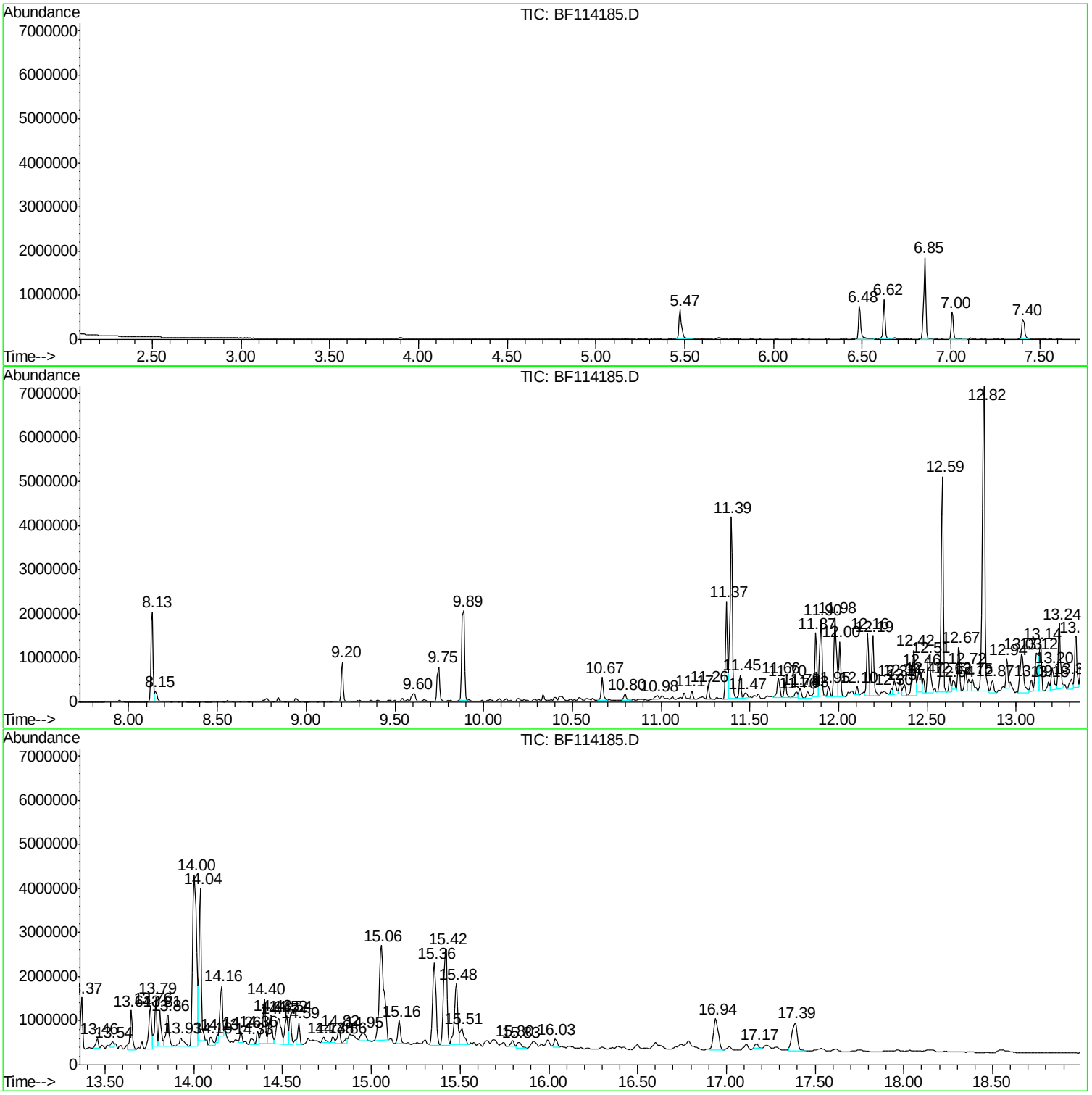
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

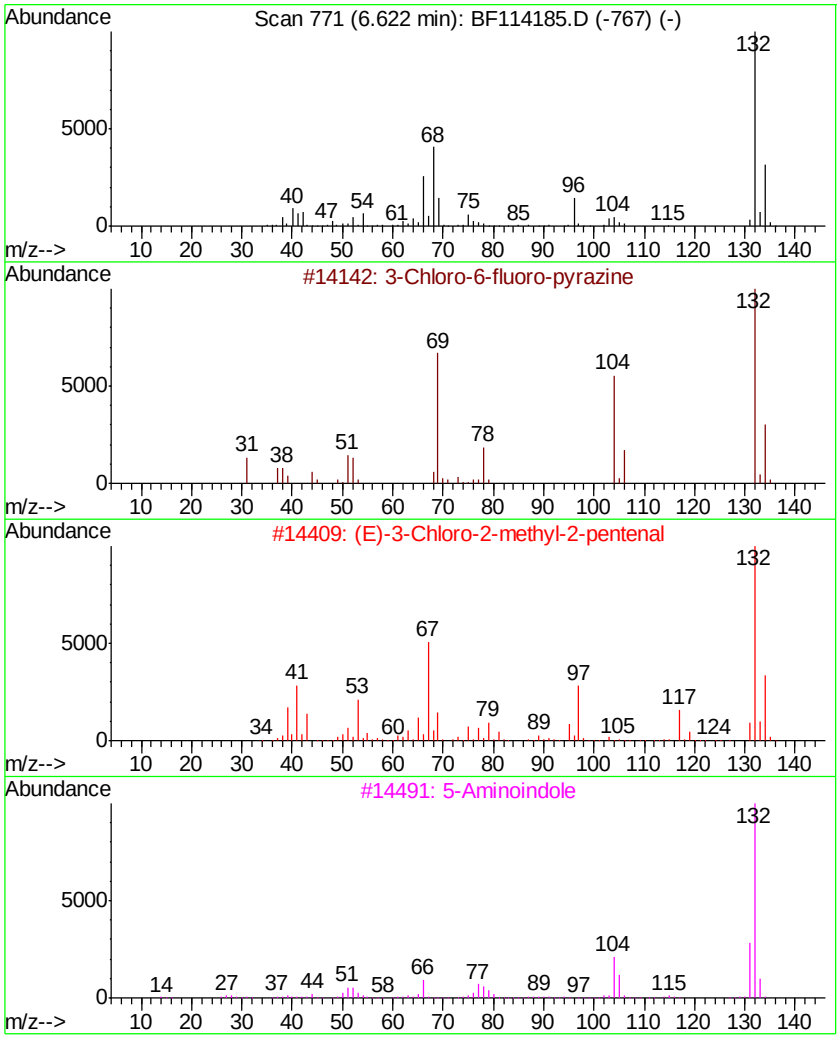
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

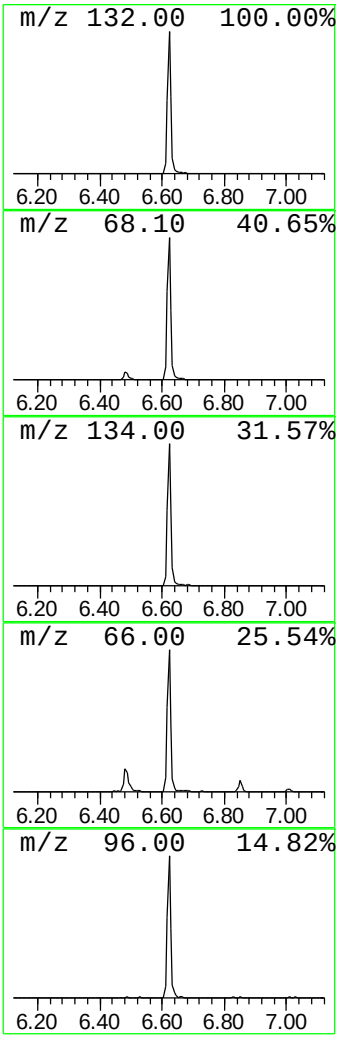
****

Peak Number 1 unknown6.62 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	9.87 ng	747203	1,4-Dichlorobenzene-d4	6.85

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	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

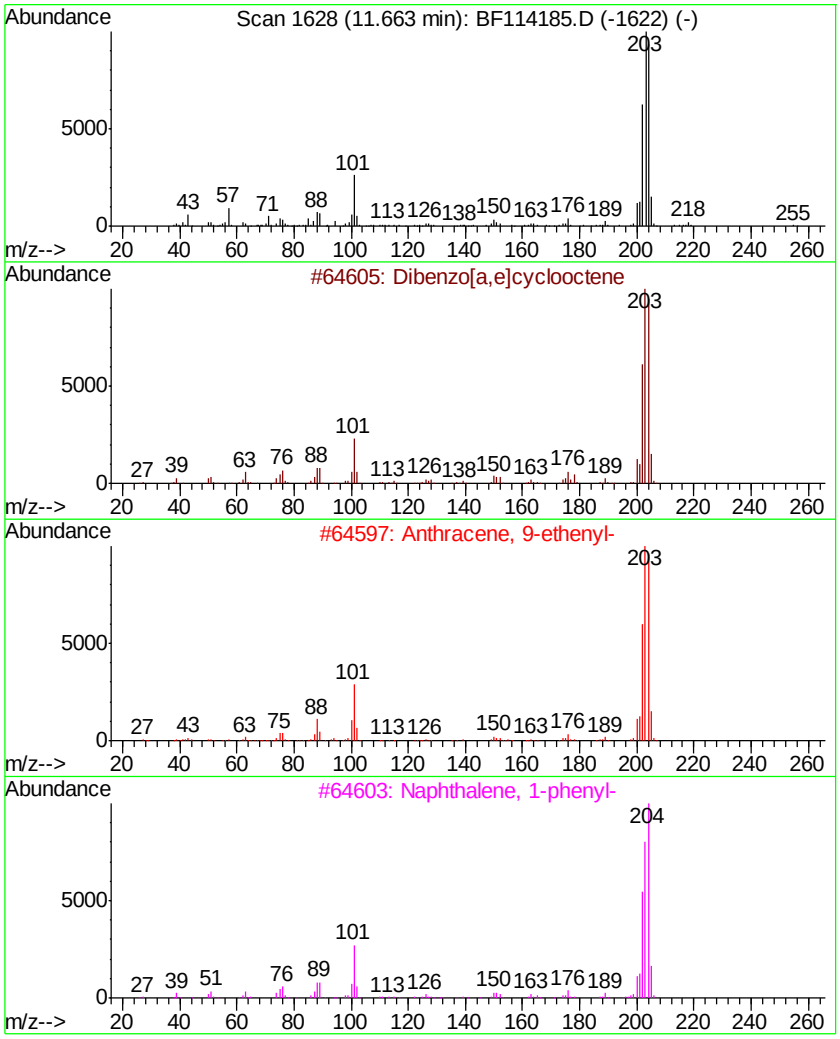
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

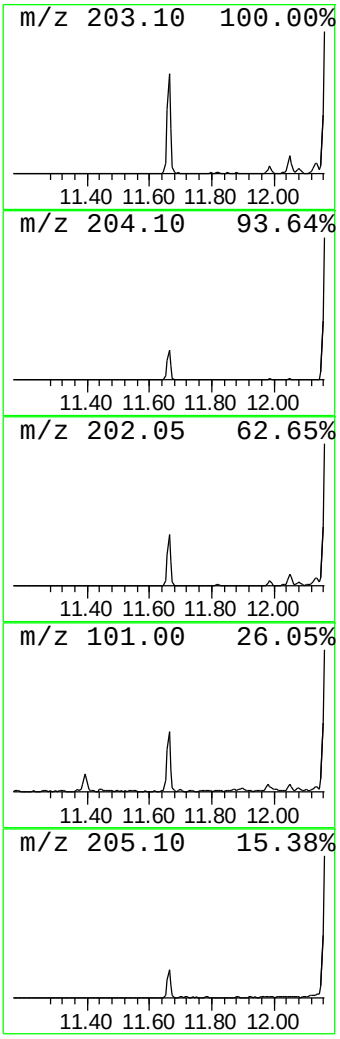
****

Peak Number 3 Dibenzo[a,e]cyclooctene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	4.67 ng	454720	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	90
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	81
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

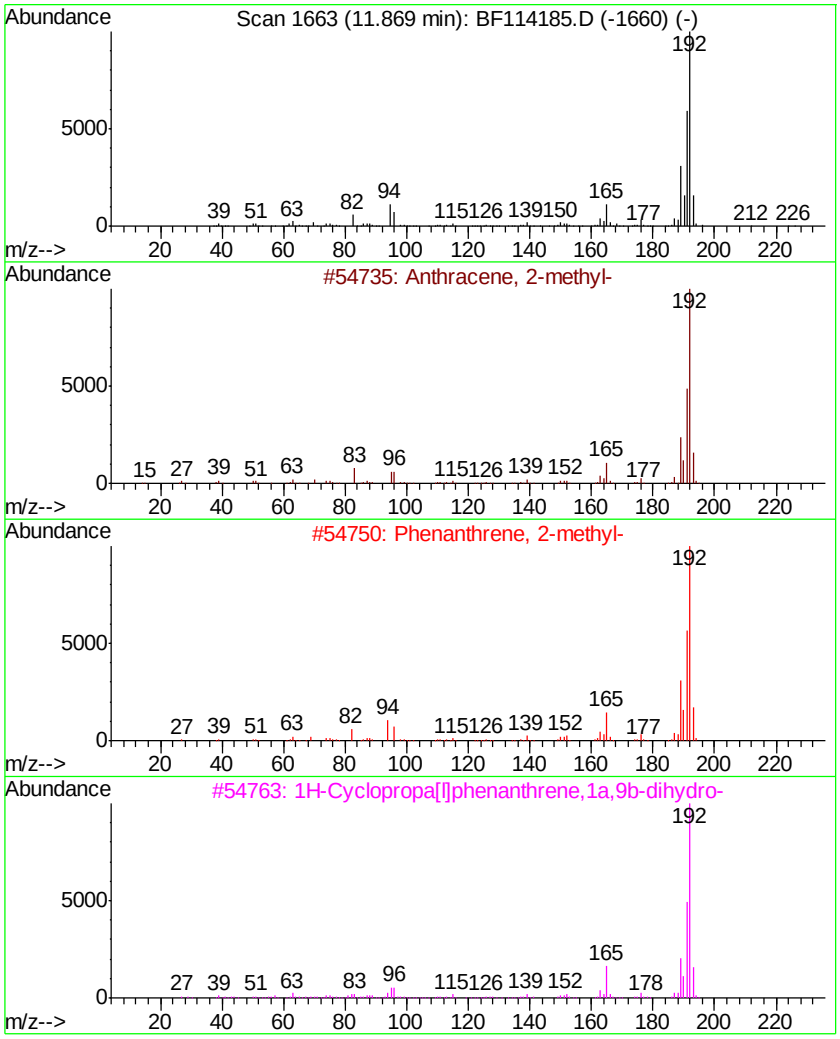
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

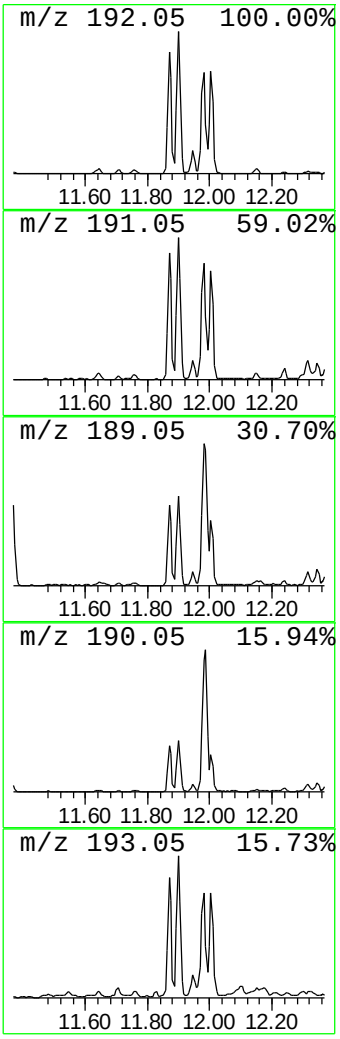
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	13.80 ng	1342900	Phenanthrene-d10	11.37

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

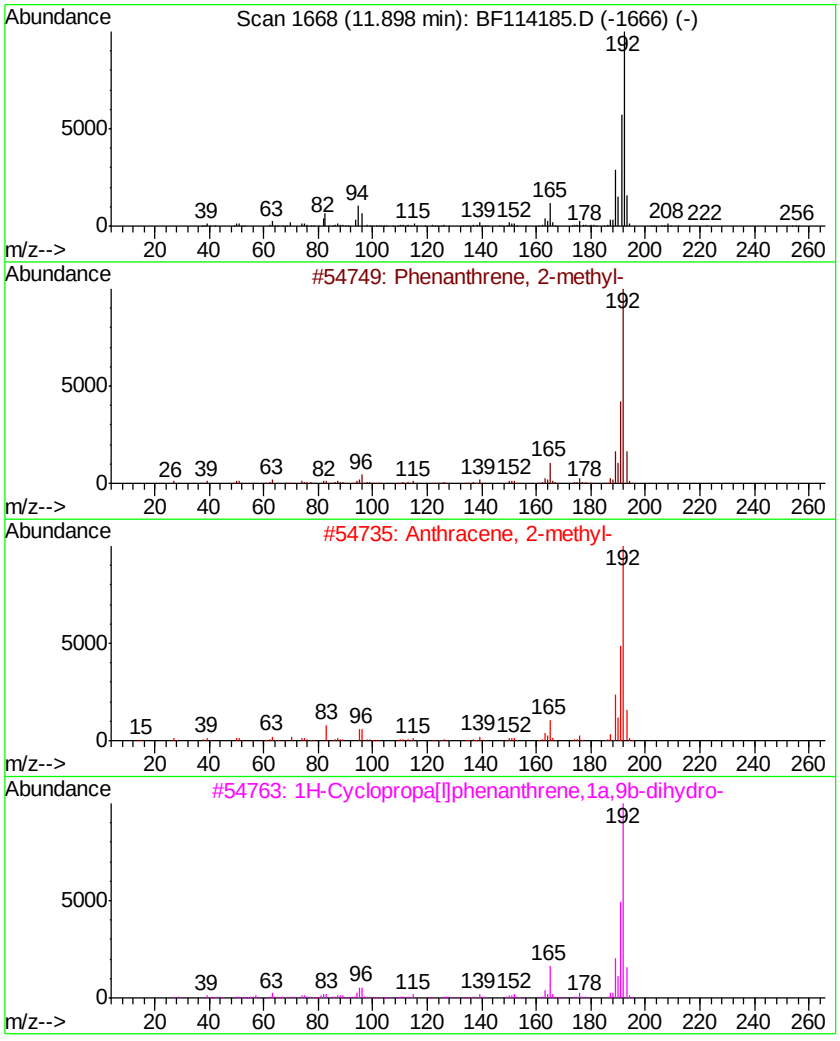
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

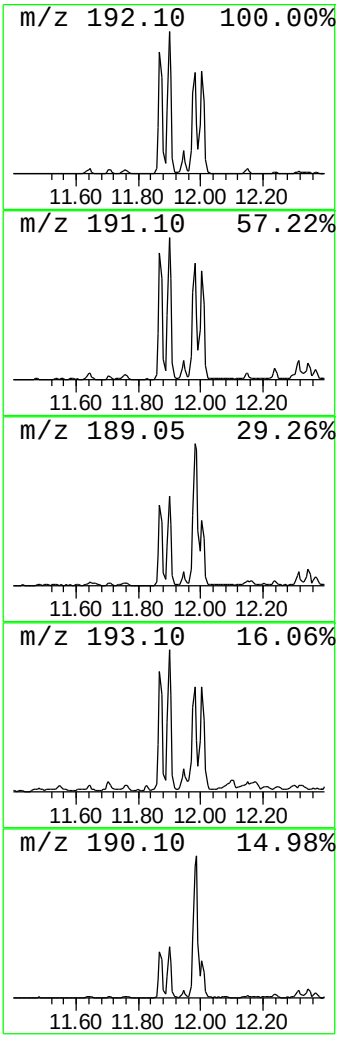
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	14.07 ng	1369290	Phenanthrene-d10	11.37

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

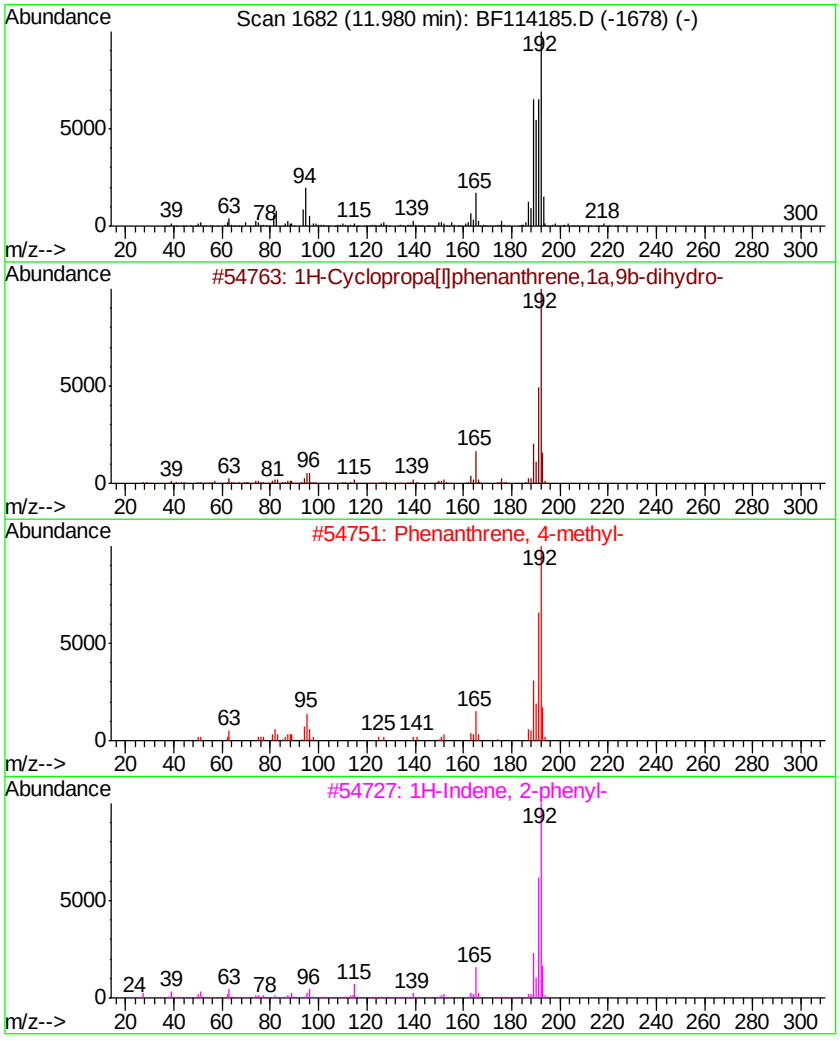
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

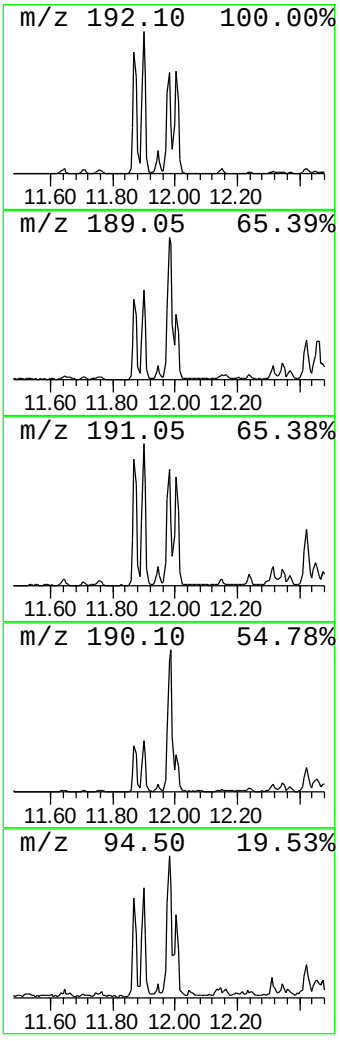
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	18.49 ng	1799220	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

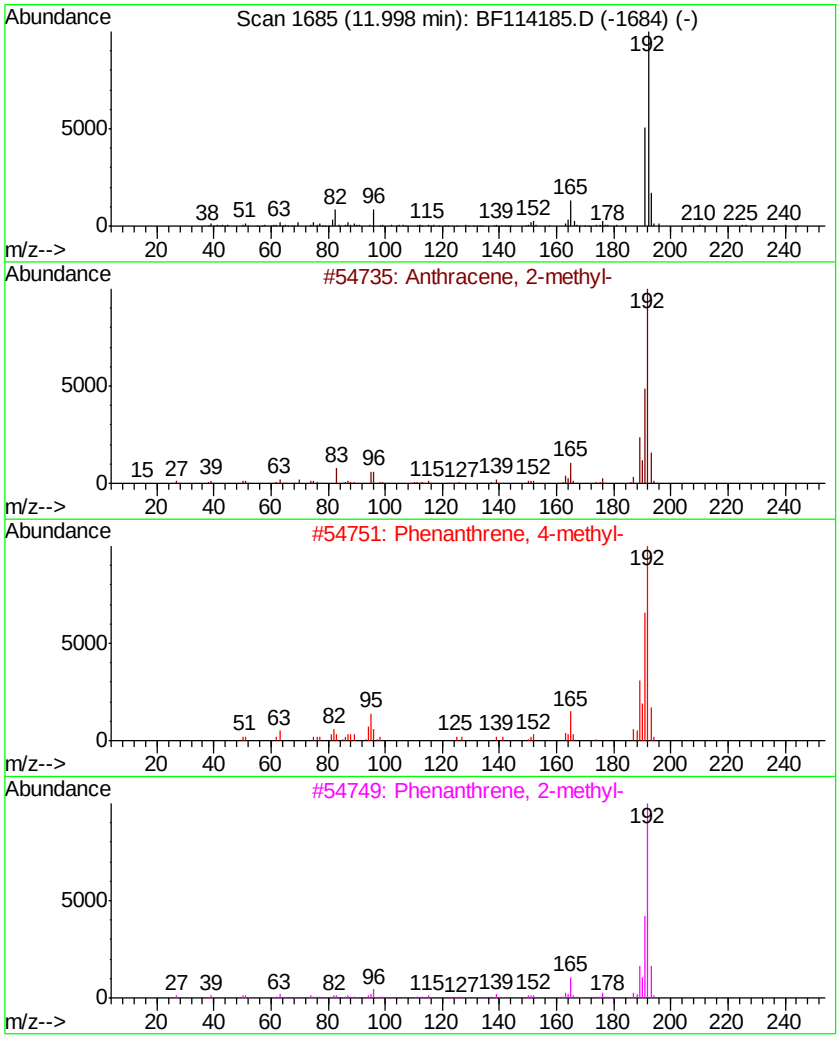
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

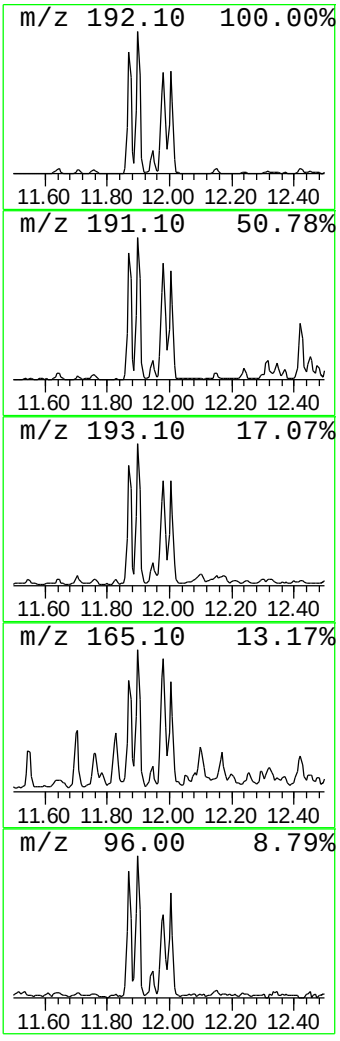
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	10.46 ng	1017900	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

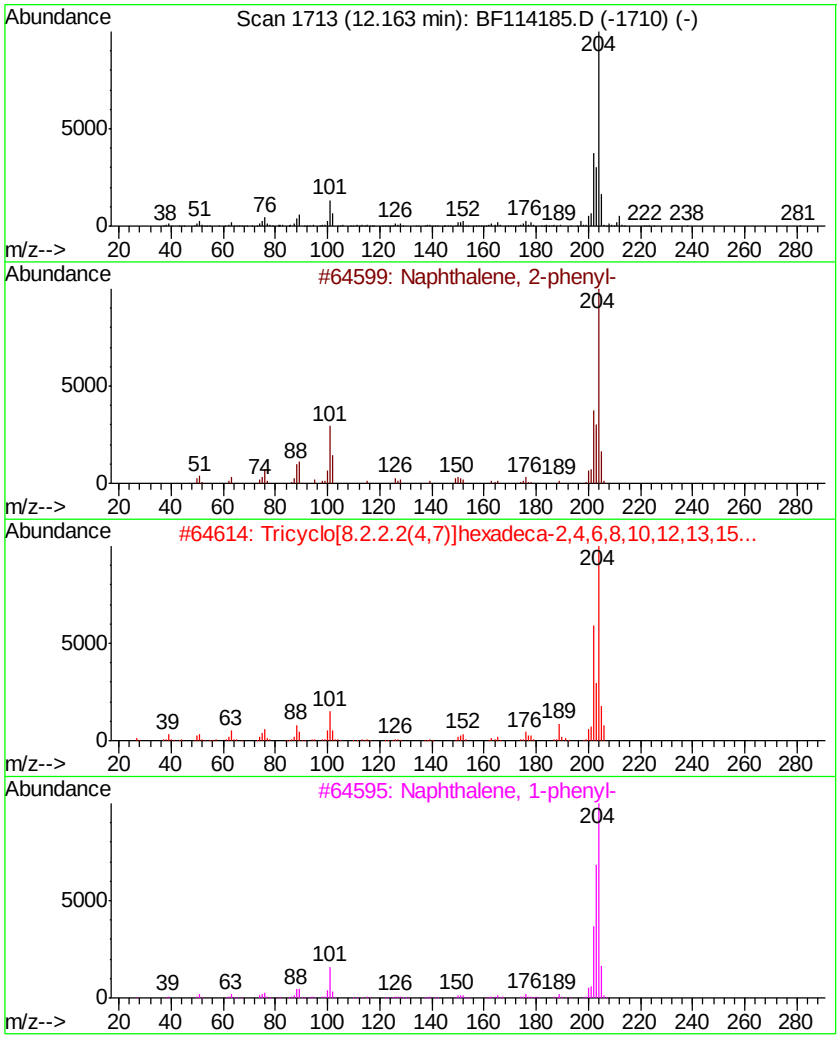
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

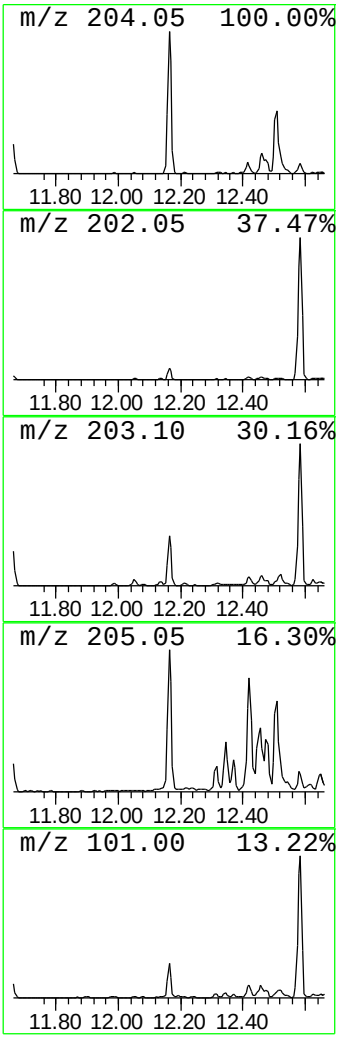
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	12.86 ng	1251280	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

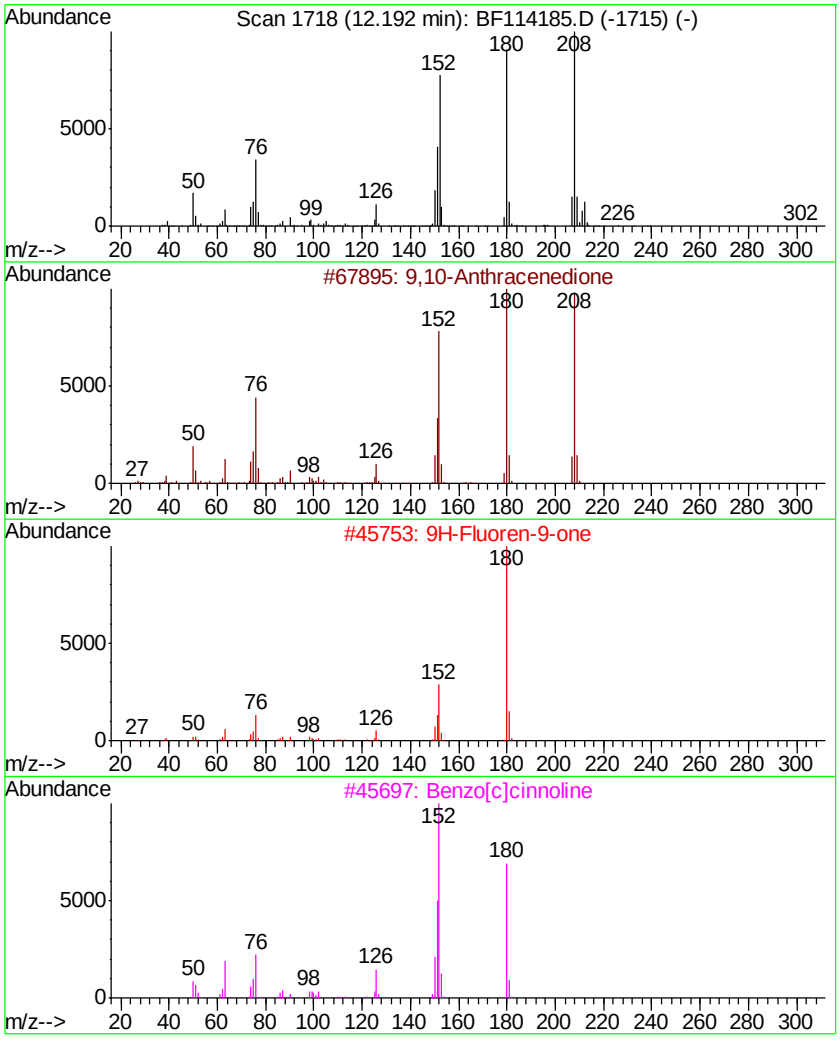
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

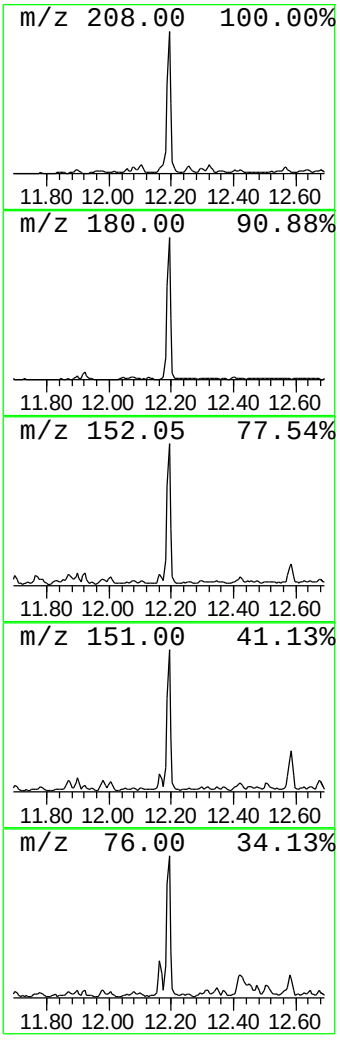
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	13.11 ng	1275660	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

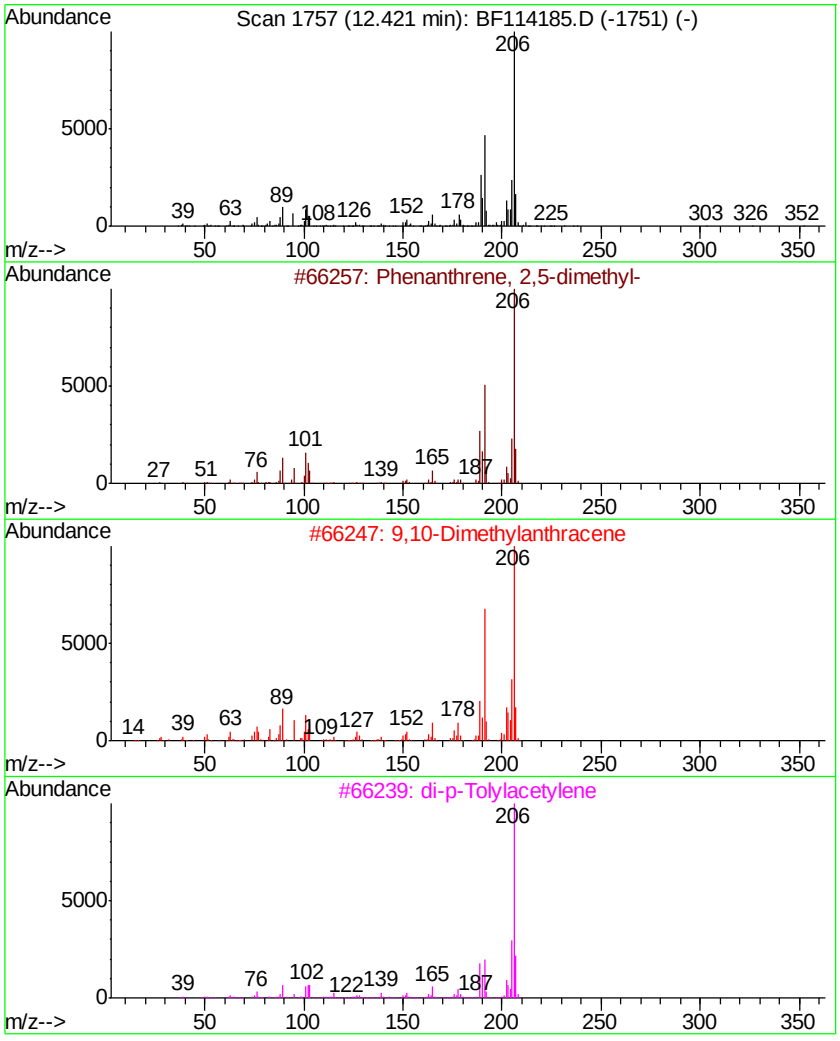
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

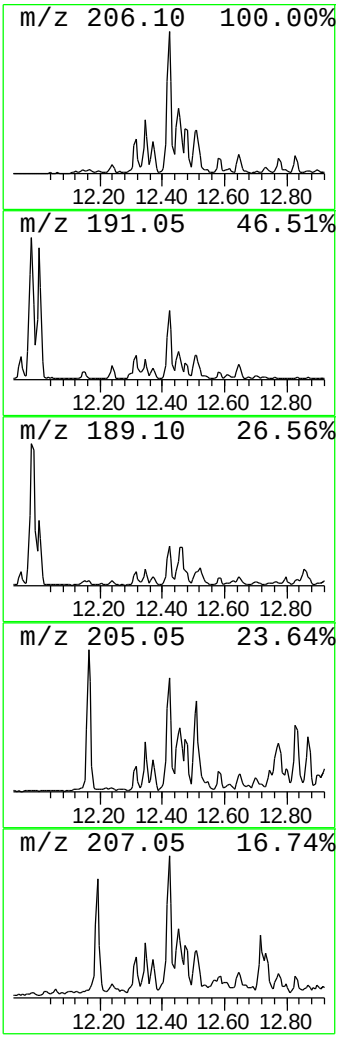
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	13.28 ng	1292160	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

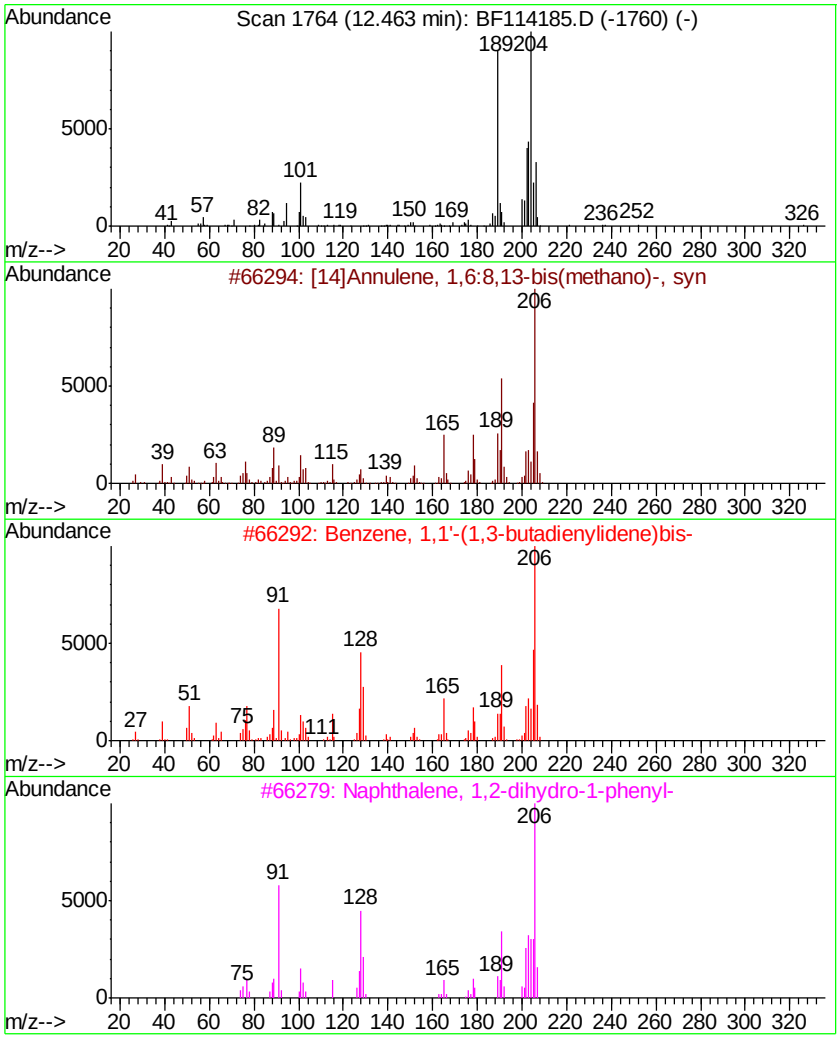
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

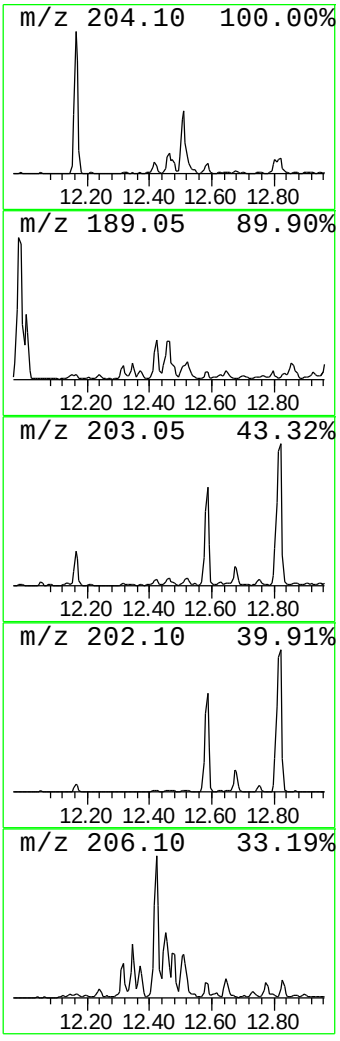
****

Peak Number 11 unknown12.46 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.61 ng	643514	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

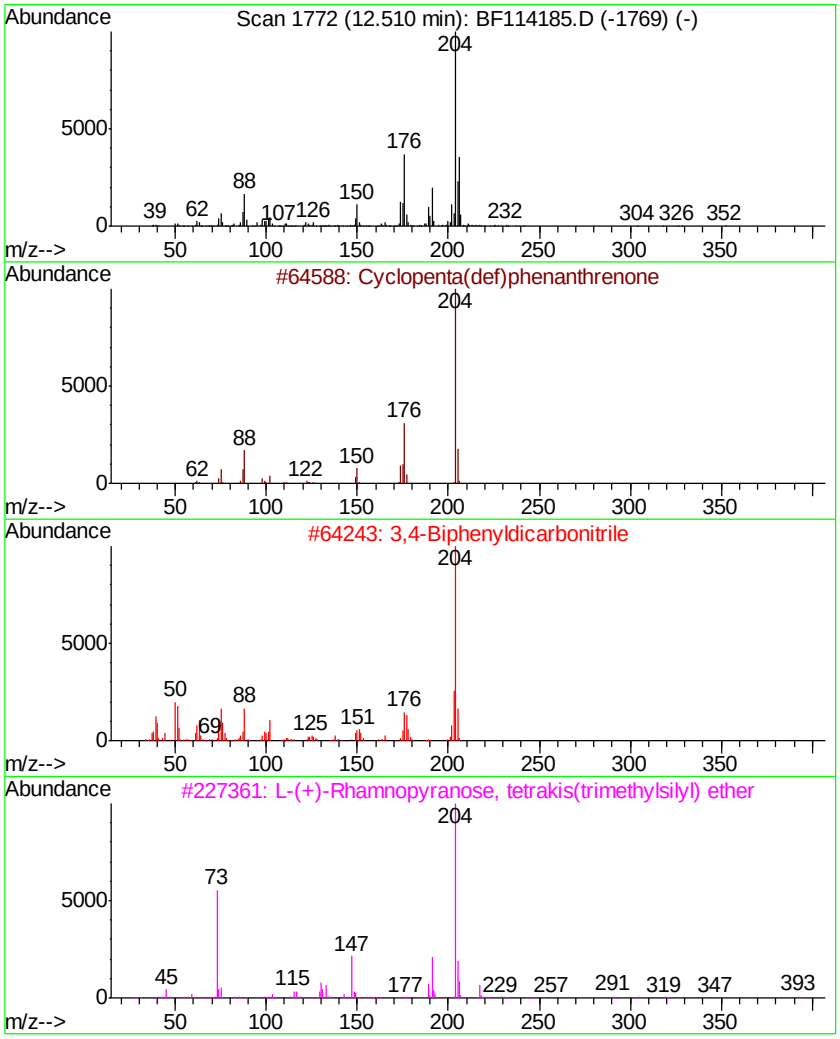
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

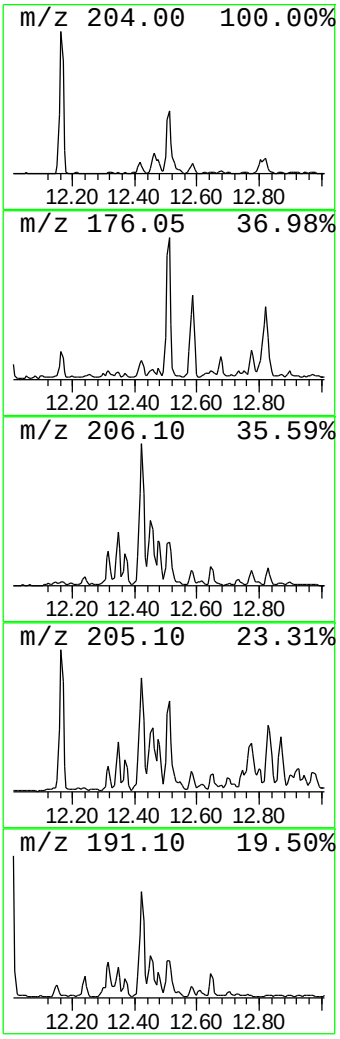
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	9.83 ng	956662	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	50
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

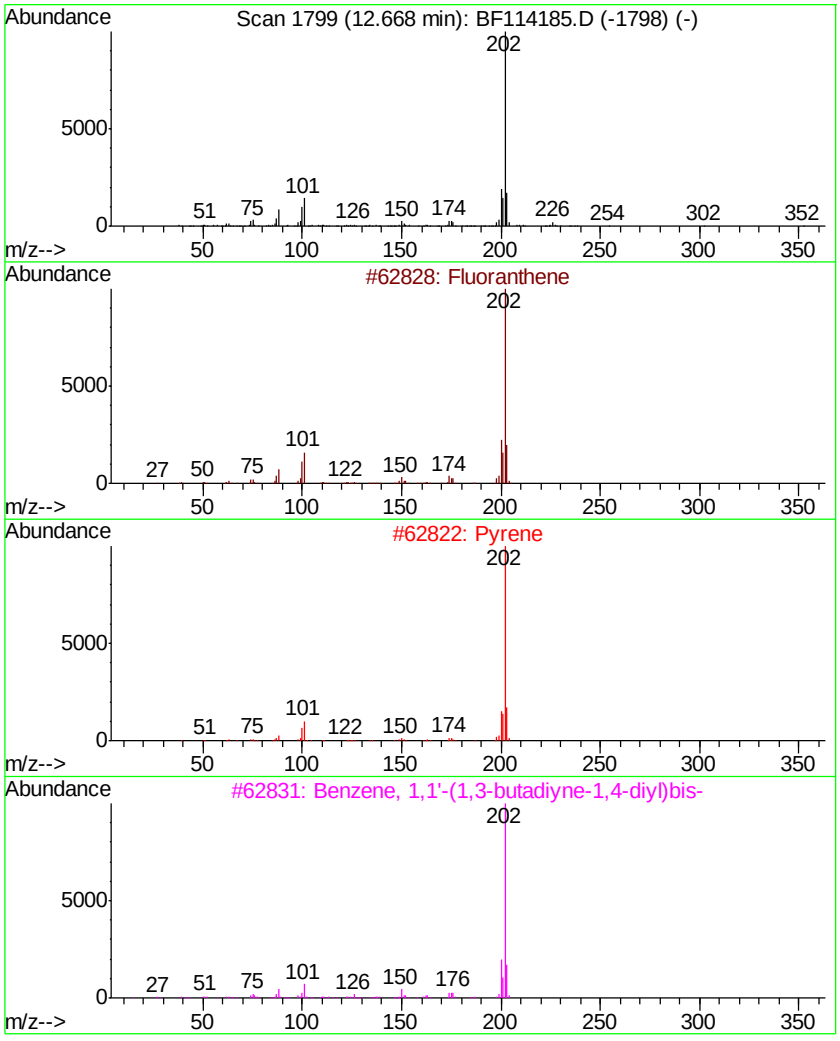
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

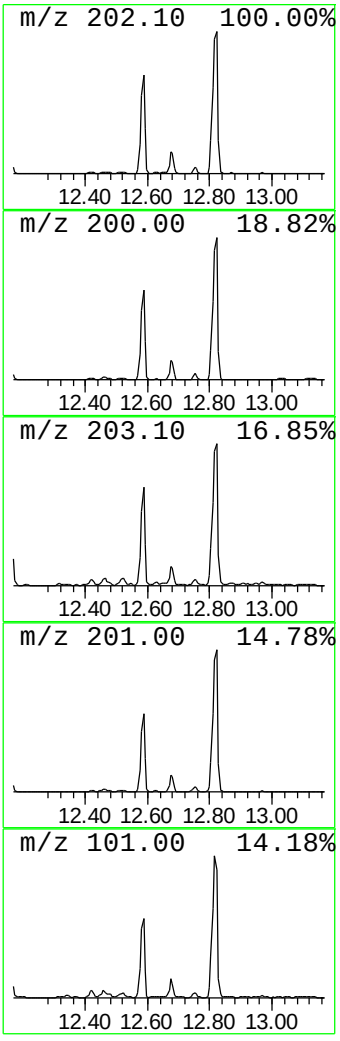
****

Peak Number 13 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	8.69 ng	845695	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	95
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	38
5	7H-Furo[3,2-g][1]benzopyran-7-on...	202	C11H6O4	002009-24-7	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

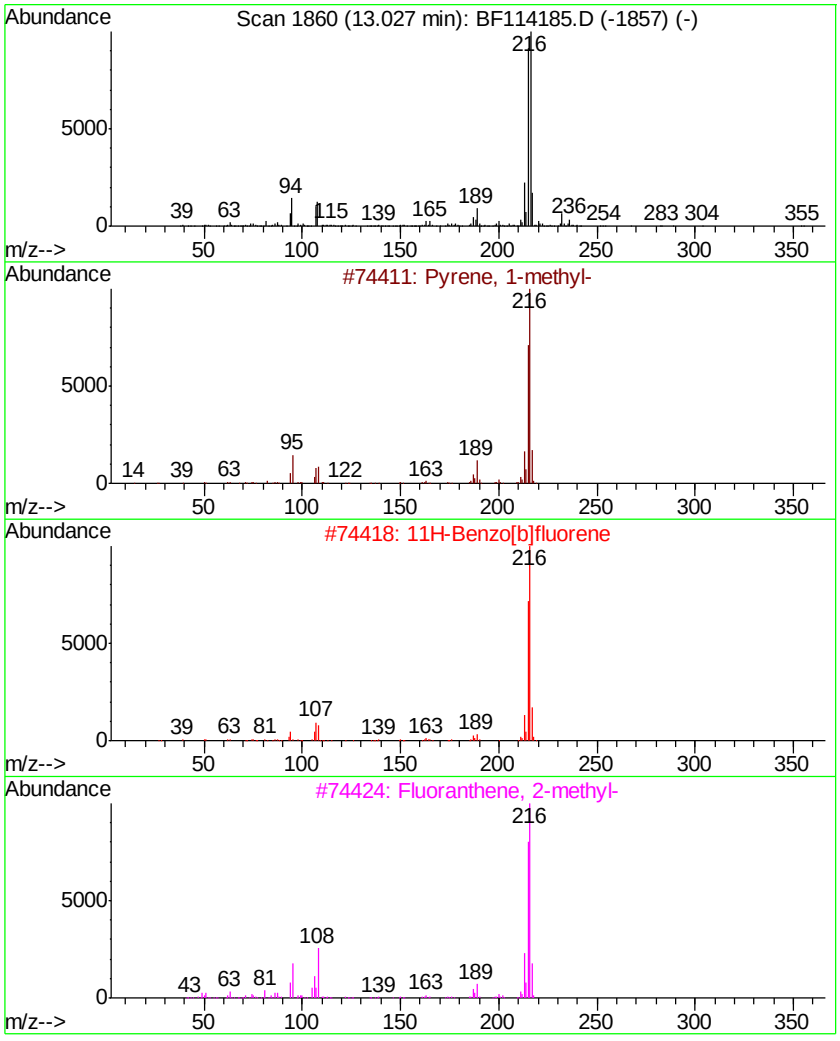
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

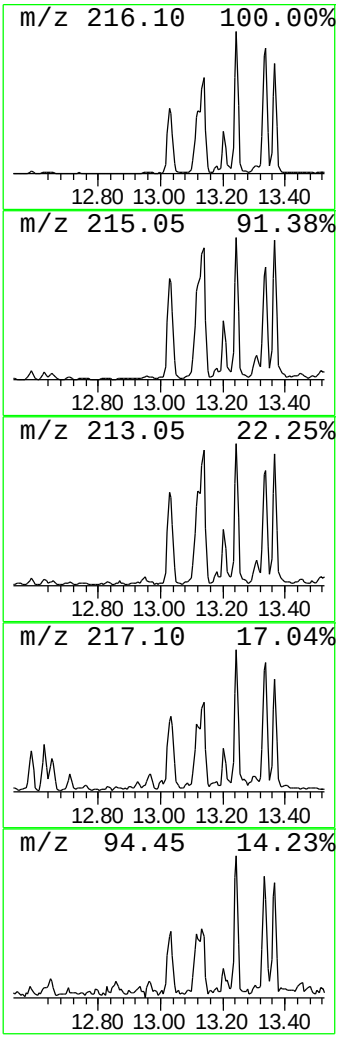
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.60 ng	1305940	Chrysene-d12	14.01

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	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

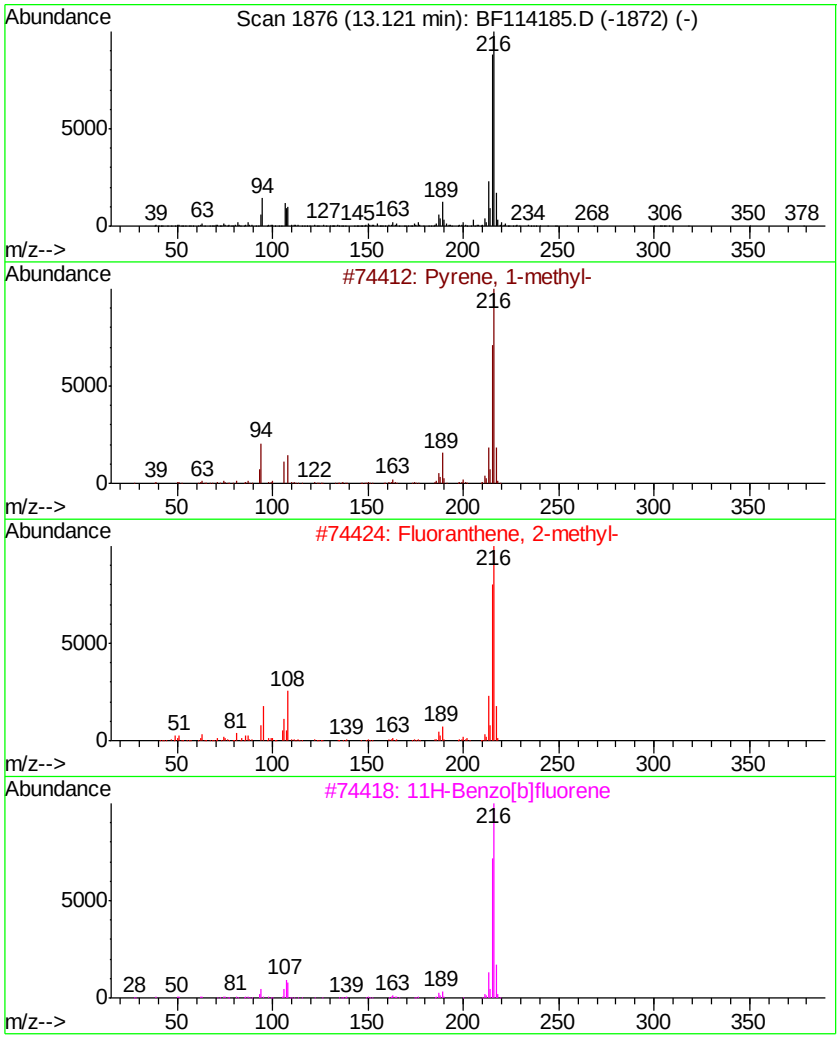
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

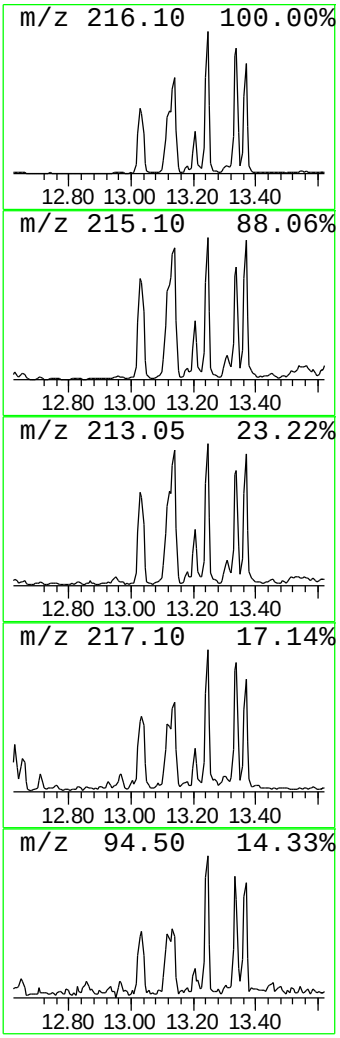
****

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.07 ng	1155330	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

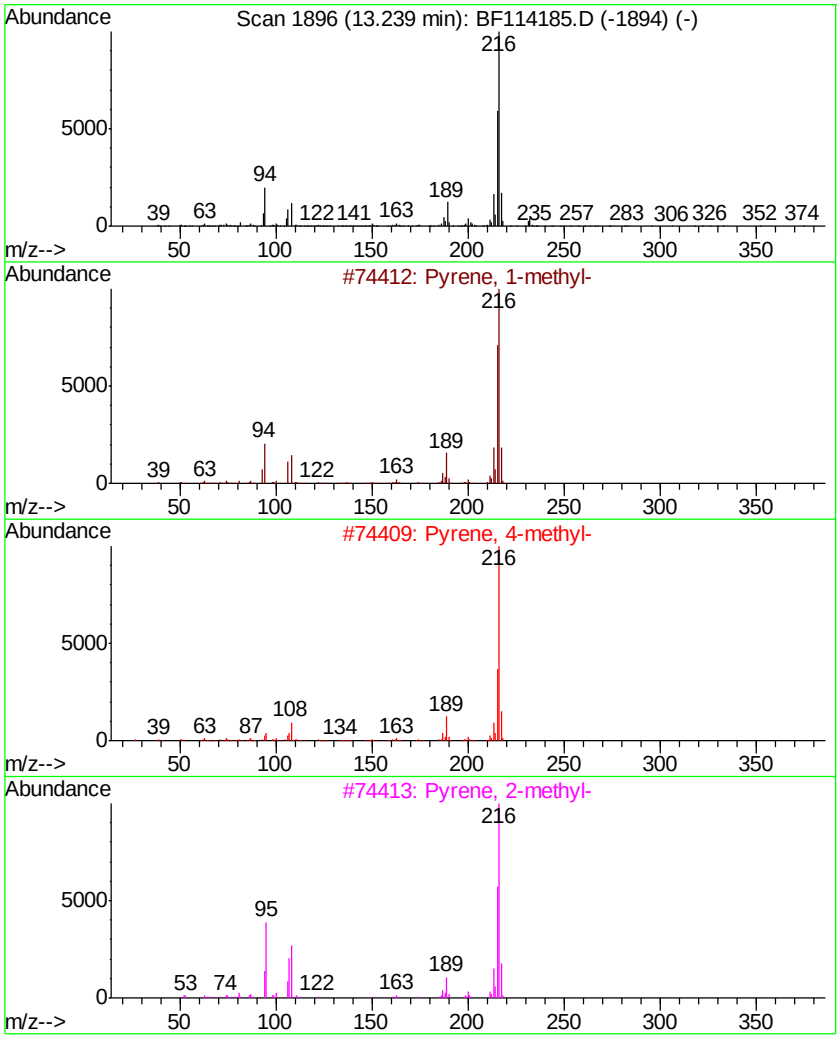
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

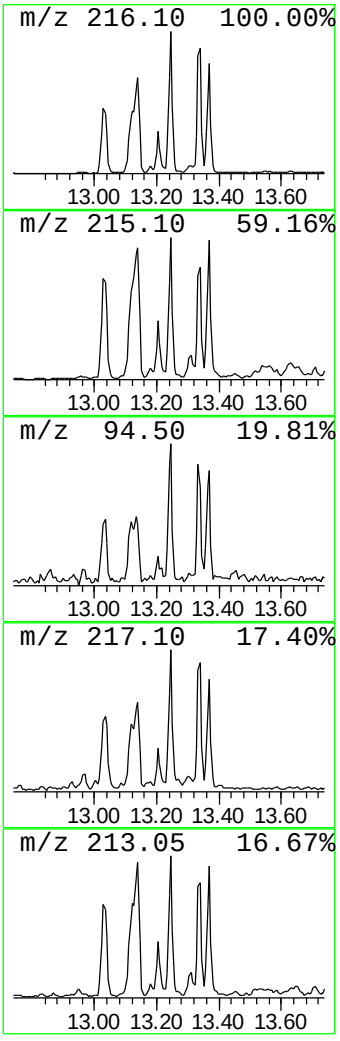
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	4.64 ng	1317560	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

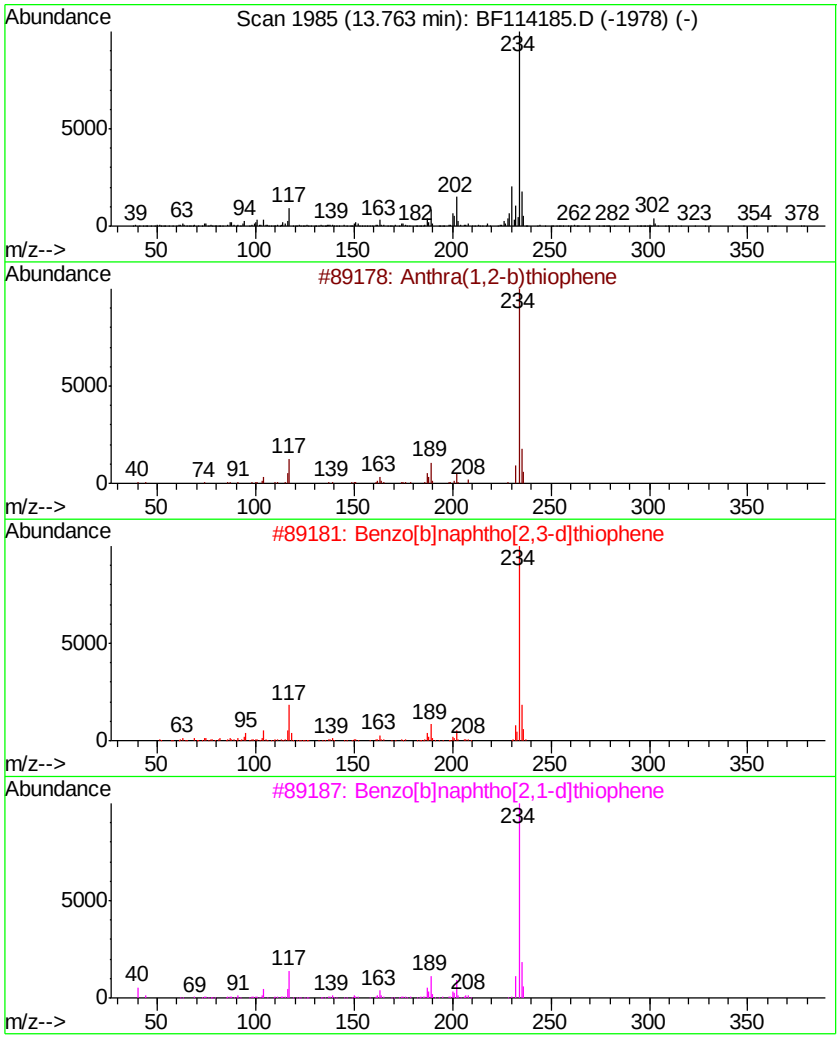
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

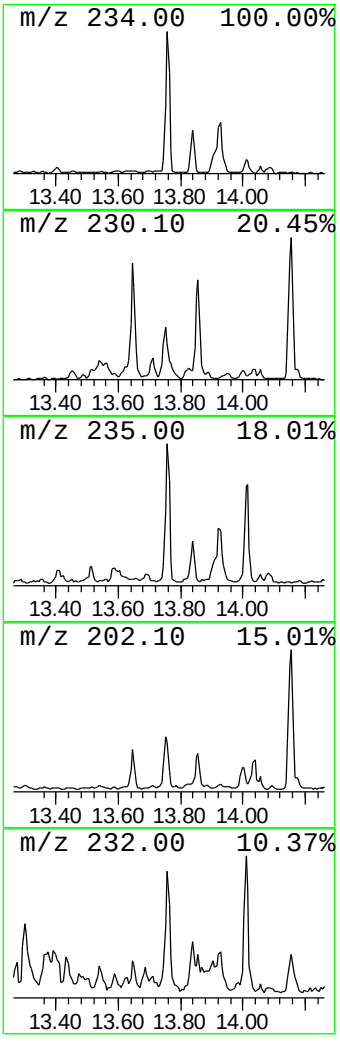
****

Peak Number 17 Anthra(1,2-b)thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.26 ng	1209200	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	53
5	Benzo[b]1,4-dioxan-2-ol, 2-(2-th...	234	C12H10O3S	312614-85-0	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

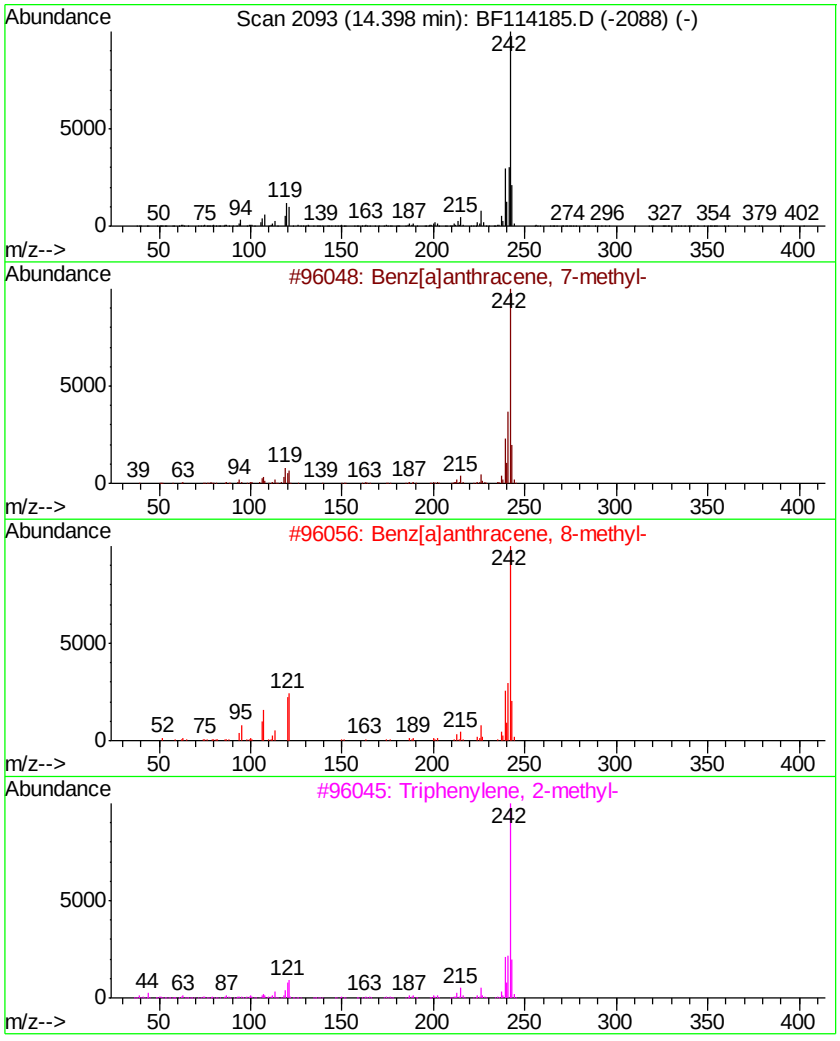
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

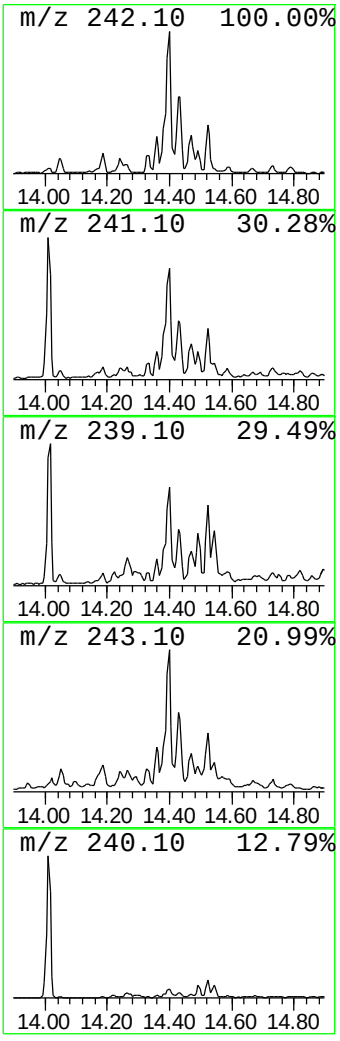
****

Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	4.38 ng	1244310	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

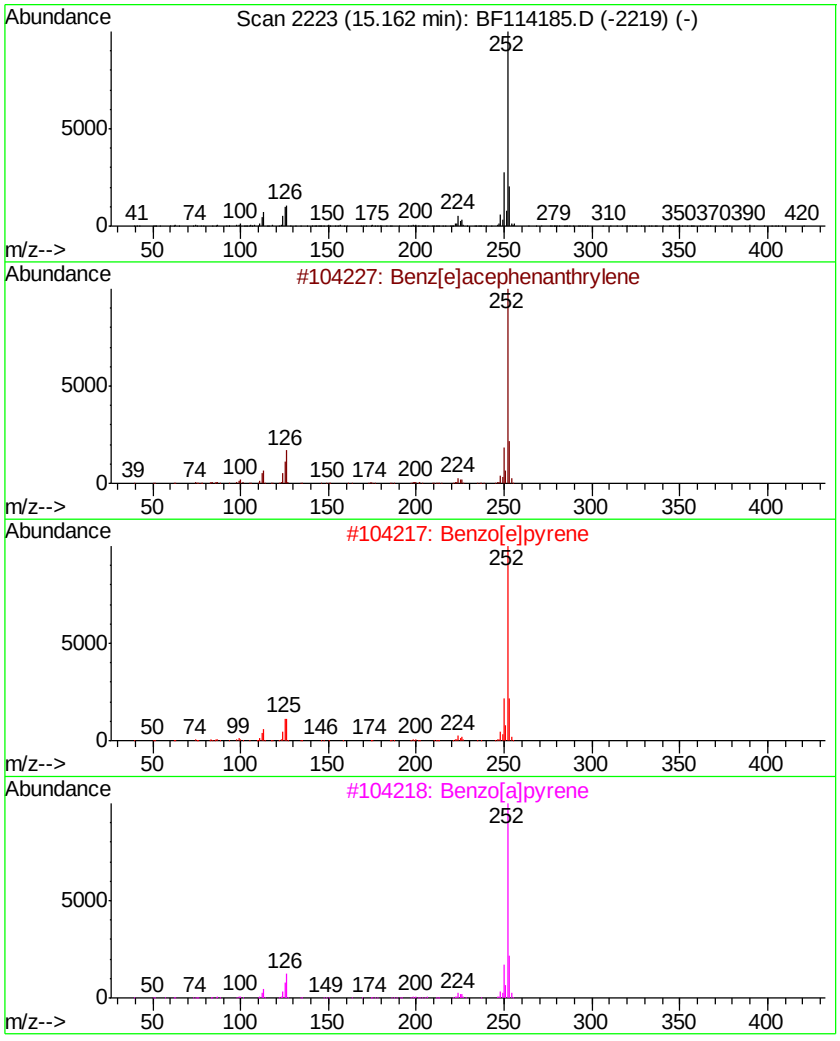
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

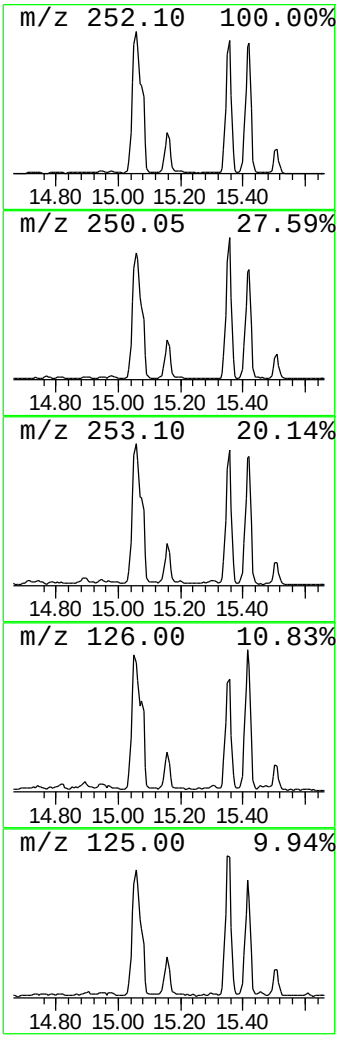
****

Peak Number 19 unknown15.16 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	5.87 ng	591500	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

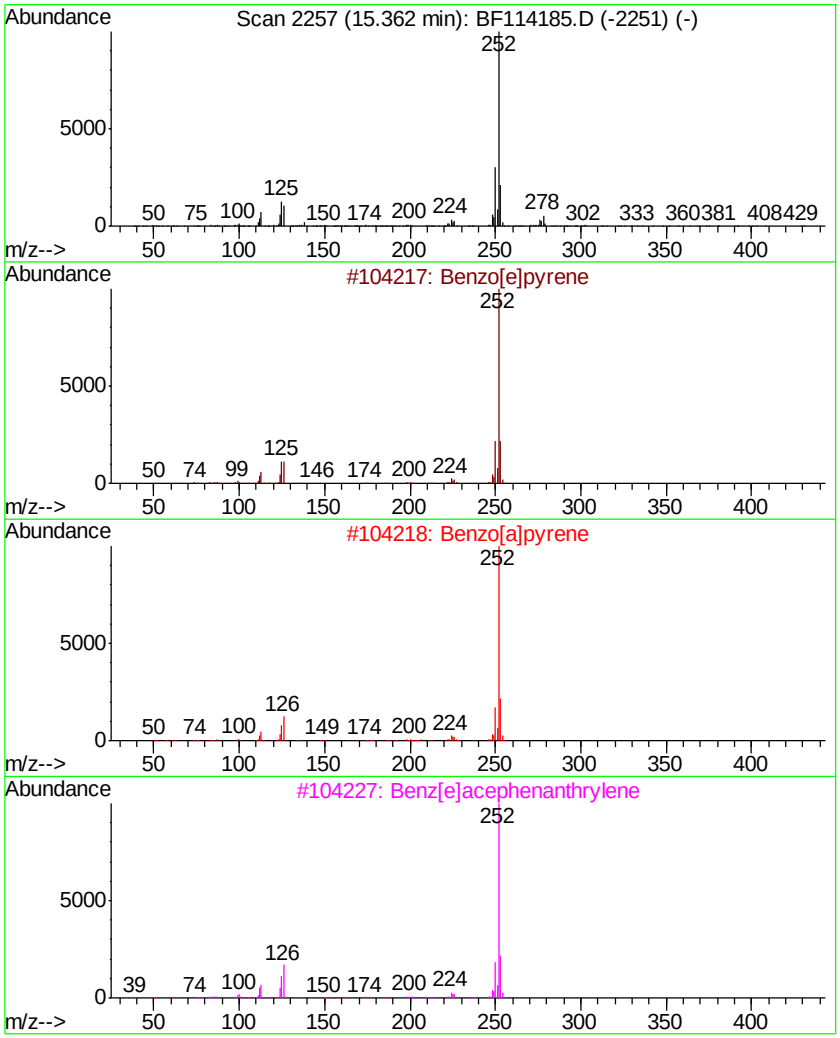
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

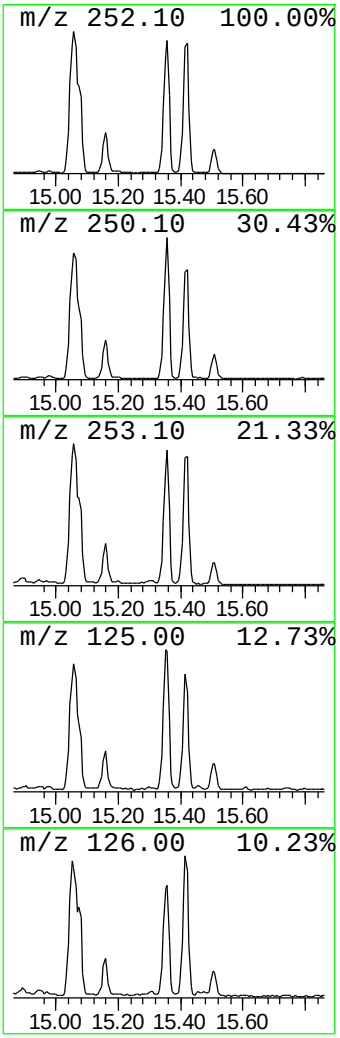
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	23.04 ng	2323720	Perylene-d12	15.48

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	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114185.D
Acq On : 12 May 2019 5:42
Operator : JU/SJ
Sample : K2765-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS004-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.62	6.62	9.9	ng	747203	1	6.85	1514460	20.0
Dibenzo[a,e]cyclo...	11.66	4.7	ng	454720	4	11.37	1945850	20.0
Anthracene, 2-met...	11.87	13.8	ng	1342900	4	11.37	1945850	20.0
Phenanthrene, 2-m...	11.90	14.1	ng	1369290	4	11.37	1945850	20.0
1H-Cyclopropa[l]p...	11.98	18.5	ng	1799220	4	11.37	1945850	20.0
Phenanthrene, 4-m...	12.00	10.5	ng	1017900	4	11.37	1945850	20.0
Naphthalene, 2-ph...	12.16	12.9	ng	1251280	4	11.37	1945850	20.0
9,10-Anthracenedione	12.19	13.1	ng	1275660	4	11.37	1945850	20.0
Phenanthrene, 2,5...	12.42	13.3	ng	1292160	4	11.37	1945850	20.0
unknown12.46	12.46	6.6	ng	643514	4	11.37	1945850	20.0
Cyclopenta(def)ph...	12.51	9.8	ng	956662	4	11.37	1945850	20.0
Benzene, 1,1'-(1,...	12.67	8.7	ng	845695	4	11.37	1945850	20.0
Pyrene, 1-methyl-	13.03	4.6	ng	1305940	5	14.01	5677480	20.0
Fluoranthene, 2-m...	13.12	4.1	ng	1155330	5	14.01	5677480	20.0
11H-Benzo[a]fluorene	13.24	4.6	ng	1317560	5	14.01	5677480	20.0
Anthra(1,2-b)thio...	13.76	4.3	ng	1209200	5	14.01	5677480	20.0
Benz[a]anthracene...	14.40	4.4	ng	1244310	5	14.01	5677480	20.0
unknown15.16	15.16	5.9	ng	591500	6	15.48	2016740	20.0
Benzo[e]pyrene	15.36	23.0	ng	2323720	6	15.48	2016740	20.0