LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114183.D
Acq On : 12 May 2019 4:49
Operator : JU/SJ
Sample : K2767-20 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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	597	rBV	1078145	1081180	30.62%	2.059%
2	6.481	744	747	759	rBV	1174624	1172746	33.21%	2.233%
3	6.622	767	771	779	rBV	1446961	1197365	33.91%	2.280%
4	6.851	806	810	819	rBV	1836104	1504508	42.60%	2.865%
5	7.004	833	836	843	rBV	964901	861068	24.38%	1.640%
6	7.404	901	904	917	rBV	754476	716784	20.30%	1.365%
7	8.134	1024	1028	1030	rBV	2118560	1890770	53.54%	3.600%
8	8.151	1030	1031	1043	rVB	319372	247051	7.00%	0.470%
9	8.845	1146	1149	1153	rBV	151623	127459	3.61%	0.243%
10	8.939	1162	1165	1171	rVB	85424	77145	2.18%	0.147%
11	9.204	1206	1210	1220	rBV	1310048	1093276	30.96%	2.082%
12	9.304	1222	1227	1230	rVB2	58623	59551	1.69%	0.113%
13	9.469	1251	1255	1259	rBV2	41417	55981	1.59%	0.107%
14	9.545	1264	1268	1270	rBV	66117	69503	1.97%	0.132%
15	9.598	1274	1277	1284	rVB2	142770	212387	6.01%	0.404%
16	9.745	1298	1302	1307	rBV	392825	347654	9.84%	0.662%
17	9.886	1322	1326	1330	rVB	2089213	1935243	54.80%	3.685%
18	10.192	1375	1378	1382	rBV2	44747	54851	1.55%	0.104%
19	10.333	1400	1402	1405	rVV	73206	60250	1.71%	0.115%
20	10.439	1416	1420	1425	rVB3	59996	101646	2.88%	0.194%
21	10.669	1454	1459	1464	rBV	782331	681663	19.30%	1.298%
22	10.798	1476	1481	1486	rBV3	82369	102672	2.91%	0.195%
23	10.980	1508	1512	1514	rBV4	49223	68052	1.93%	0.130%
24	11.127	1535	1537	1540	rVB	65171	52958	1.50%	0.101%
25	11.175	1542	1545	1548	rVB	130603	116337	3.29%	0.222%
26	11.263	1558	1560	1565	rVB	137330	123114	3.49%	0.234%
27	11.369	1574	1578	1580	rBV	2226456	1964372	55.63%	3.740%
28	11.392	1580	1582	1588	rVV	1716303	1337808	37.88%	2.547%
29	11.445	1588	1591	1593	rVV	242660	204464	5.79%	0.389%
30	11.475	1593	1596	1600	rVV2	76349	72082	2.04%	0.137%
31	11.545	1606	1608	1612	rVB	51464	53556	1.52%	0.102%
32	11.663	1622	1628	1631	rVV2	207559	224272	6.35%	0.427%
33	11.698	1631	1634	1637	rVV	152355	141445	4.01%	0.269%
34	11.780	1646	1648	1652	rVB	76735	89881	2.55%	0.171%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2767-20 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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

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Peak separation: 5

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

35	11.827	1652	1656	1660	rBV2	76554	99028	2.80%	0.189%
36	11.869	1660	1663	1665	rBV	501285	443603	12.56%	0.845%
37	11.898	1665	1668	1673	rVB	616461	585605	16.58%	1.115%
38	11.945	1673	1676	1678	rVB	90976	66800	1.89%	0.127%
39	11.980	1678	1682	1684	rBV2	687066	699417	19.81%	1.332%
40	12.004	1684	1686	1690	rVB	446558	362652	10.27%	0.691%
41	12.104	1700	1703	1706	rVB	79409	61100	1.73%	0.116%
42	12.163	1706	1713	1715	rBV	496210	442021	12.52%	0.842%
43	12.192	1715	1718	1724	rVB2	398646	437974	12.40%	0.834%
44	12.257	1724	1729	1733	rVB6	36003	74271	2.10%	0.141%
45	12.298	1733	1736	1737	rBV	71454	68702	1.95%	0.131%
46	12.316	1737	1739	1742	rVB2	94387	74191	2.10%	0.141%
47	12.345	1742	1744	1746	rBV	114501	76611	2.17%	0.146%
48	12.369	1746	1748	1750	rVB2	98742	77235	2.19%	0.147%
49	12.422	1750	1757	1760	rBV3	452341	576798	16.33%	1.098%
50	12.457	1760	1763	1765	rVV2	144683	135832	3.85%	0.259%
51	12.474	1765	1766	1769	rVB	135361	81298	2.30%	0.155%
52	12.504	1769	1771	1776	rBV	384528	401988	11.38%	0.765%
53	12.580	1779	1784	1788	rBV	2104383	1919926	54.37%	3.656%
54	12.627	1789	1792	1793	rBV	110946	105312	2.98%	0.201%
55	12.645	1793	1795	1798	rVB	80125	60724	1.72%	0.116%
56	12.674	1798	1800	1803	rVB	449063	373309	10.57%	0.711%
57	12.710	1803	1806	1808	rBV2	178192	159859	4.53%	0.304%
58	12.810	1818	1823	1829	rBV	3528861	3462307	98.04%	6.592%
59	12.869	1829	1833	1836	rVB3	130523	161801	4.58%	0.308%
60	12.945	1843	1846	1854	rVB	891078	937891	26.56%	1.786%
61	13.027	1856	1860	1867	rBV	367686	564421	15.98%	1.075%
62	13.080	1867	1869	1871	rBV2	102671	84429	2.39%	0.161%
63	13.116	1871	1875	1876	rBV2	358058	364296	10.32%	0.694%
64	13.133	1876	1878	1881	rVB	400354	391822	11.10%	0.746%
65	13.180	1884	1886	1888	rBV3	78020	66994	1.90%	0.128%
66	13.204	1888	1890	1894	rBV	144627	112628	3.19%	0.214%
67	13.245	1894	1897	1899	rBV	539528	477967	13.53%	0.910%
68	13.310	1904	1908	1909	rBV2	67739	80394	2.28%	0.153%
69	13.333	1909	1912	1915	rVV	555000	464794	13.16%	0.885%
70	13.363	1915	1917	1921	rVB	449812	401343	11.37%	0.764%
71	13.457	1930	1933	1936	rBV2	105386	100178	2.84%	0.191%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
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72	13.645	1962	1965	1969	rVB	391137	385884	10.93%	0.735%
73	13.751	1978	1983	1986	rBV2	359516	507065	14.36%	0.965%
74	13.780	1986	1988	1991	rVV	418355	420735	11.91%	0.801%
75	13.810	1991	1993	1995	rVV	359301	280429	7.94%	0.534%
76	13.851	1995	2000	2004	rVB2	412598	582506	16.50%	1.109%
77	13.927	2010	2013	2019	rBV3	66247	124010	3.51%	0.236%
78	14.004	2021	2026	2029	rVV2	2445632	3531357	100.00%	6.724%
79	14.033	2029	2031	2036	rVV	1622590	1447015	40.98%	2.755%
80	14.098	2039	2042	2045	rBV2	81064	102328	2.90%	0.195%
81	14.133	2045	2048	2049	rVV	78120	83508	2.36%	0.159%
82	14.151	2049	2051	2060	rVB	581962	677501	19.19%	1.290%
83	14.263	2068	2070	2073	rBV4	120084	113585	3.22%	0.216%
84	14.357	2084	2086	2088	rBV2	130689	119932	3.40%	0.228%
85	14.398	2088	2093	2096	rVV	458788	567101	16.06%	1.080%
86	14.427	2096	2098	2102	rVV2	319939	345583	9.79%	0.658%
87	14.480	2103	2107	2111	rVV3	447123	688309	19.49%	1.311%
88	14.521	2111	2114	2116	rVV2	305006	346179	9.80%	0.659%
89	14.545	2116	2118	2120	rVV	275080	251882	7.13%	0.480%
90	14.592	2124	2126	2129	rVB	216744	181885	5.15%	0.346%
91	14.815	2161	2164	2167	rVB3	174268	191565	5.42%	0.365%
92	15.051	2200	2204	2211	rVB	1082305	1979564	56.06%	3.769%
93	15.115	2212	2215	2217	rVV	152473	176817	5.01%	0.337%
94	15.157	2220	2222	2227	rVB	272562	270137	7.65%	0.514%
95	15.351	2251	2255	2261	rVB	925495	1118640	31.68%	2.130%
96	15.415	2261	2266	2270	rVV	968078	1248524	35.36%	2.377%
97	15.474	2271	2276	2288	rVB	1440873	2155504	61.04%	4.104%
98	15.921	2350	2352	2356	rVB	147771	175233	4.96%	0.334%
99	16.933	2519	2524	2532	rBV2	334994	642045	18.18%	1.222%
100	17.380	2595	2600	2609	rVB	326810	649987	18.41%	1.238%

Sum of corrected areas: 52519425

LSC Report - Integrated Chromatogram

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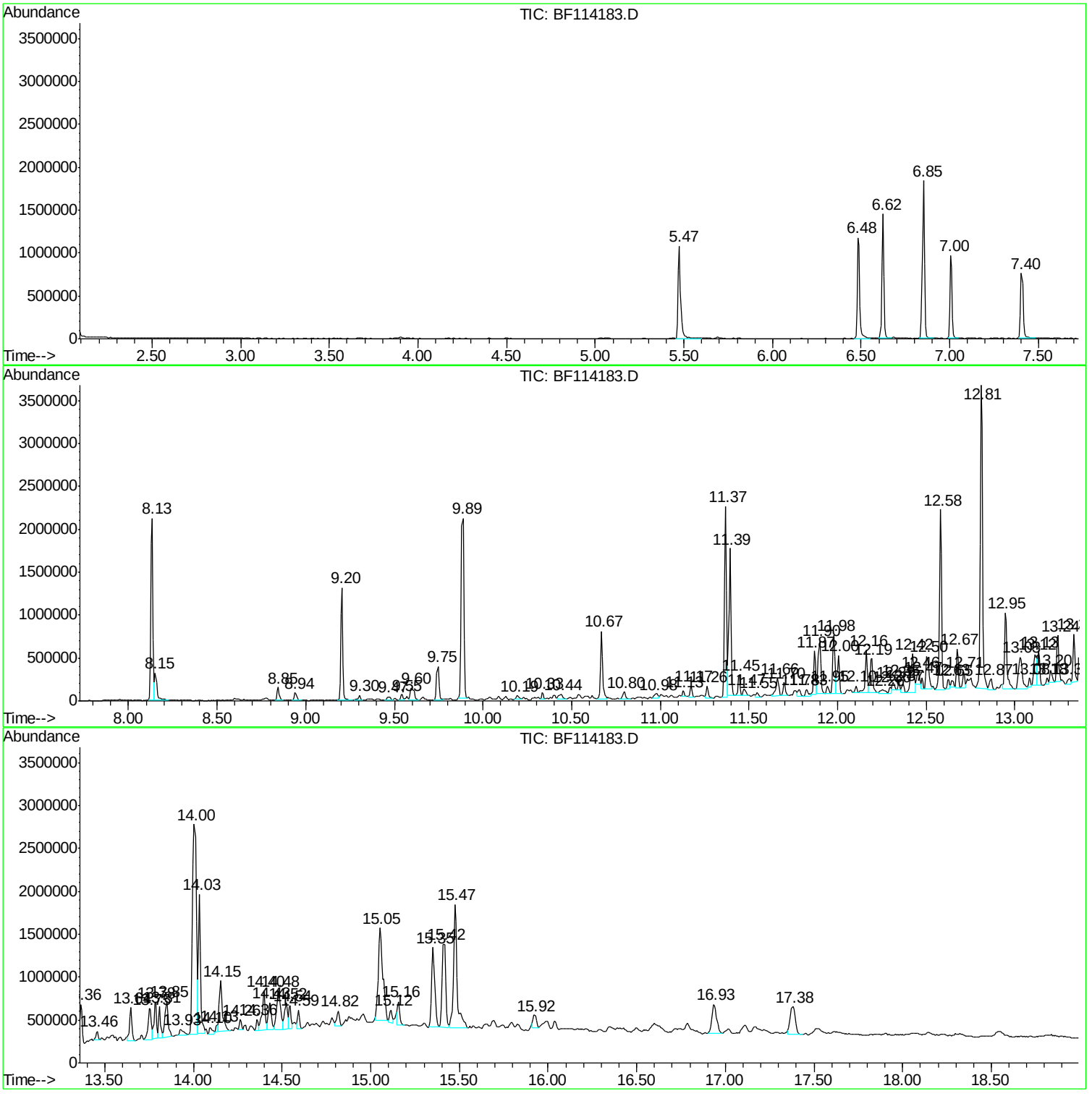
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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



Library Search Compound Report

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

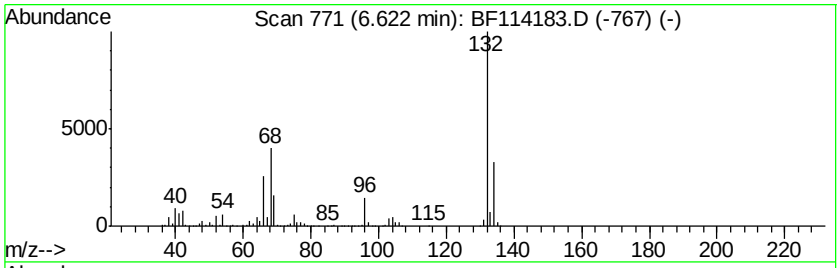
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

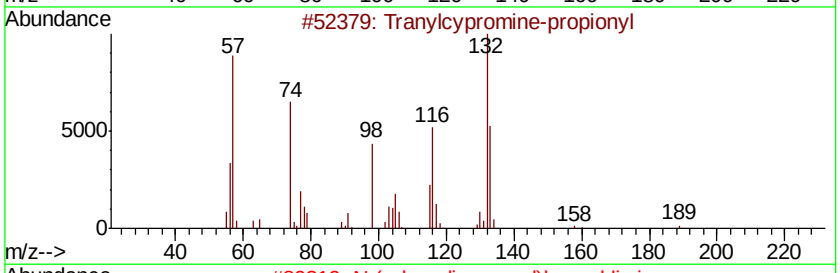
****

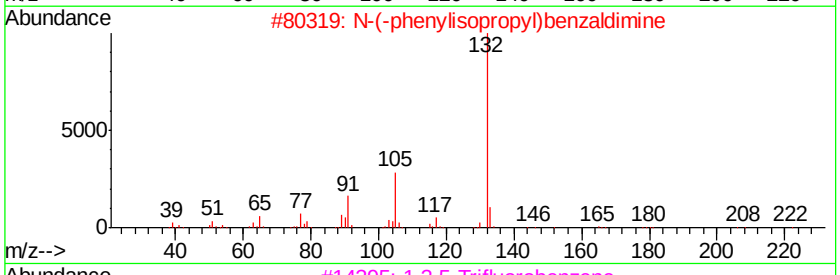
Peak Number 1 unknown6.62 Concentration Rank 1

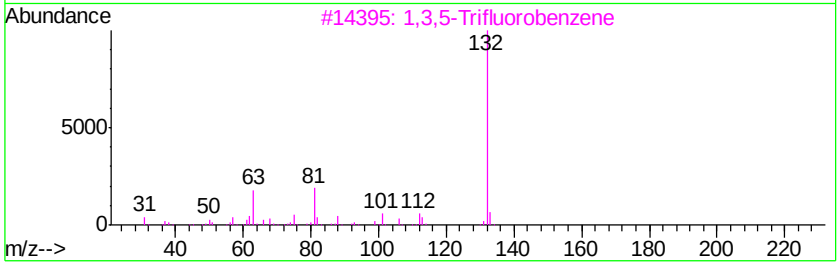
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	15.92 ng	1197370	1,4-Dichlorobenzene-d4	6.85

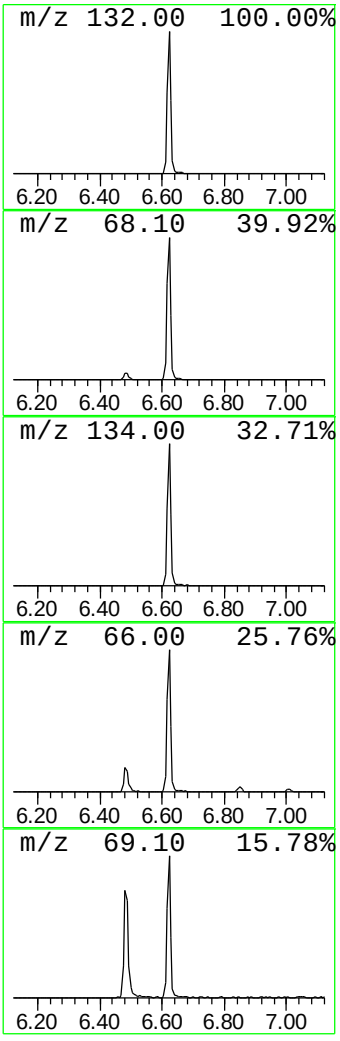
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	10
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9











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

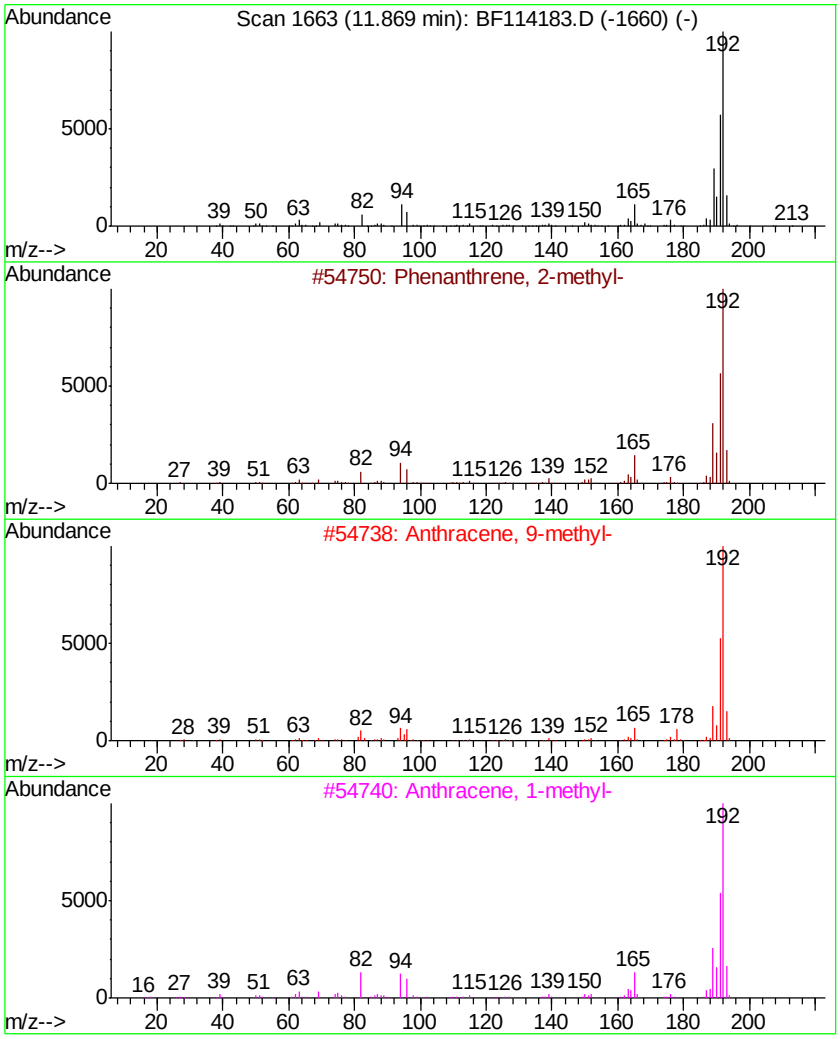
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

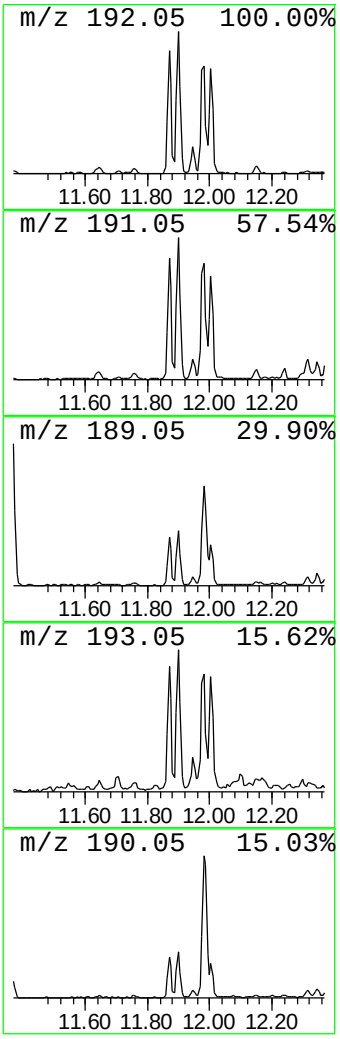
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.52 ng	443603	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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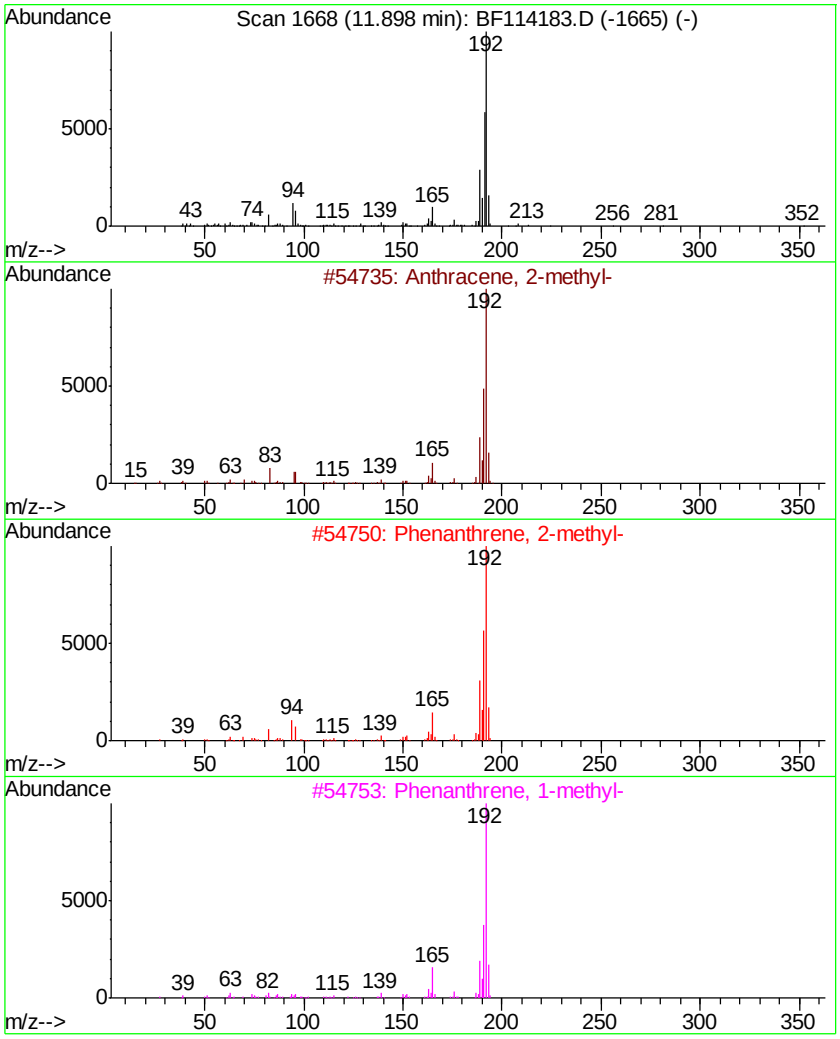
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

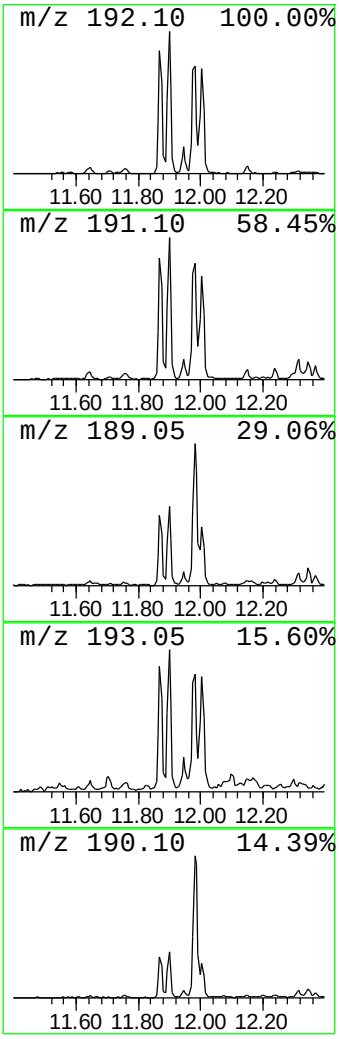
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.96 ng	585605	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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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

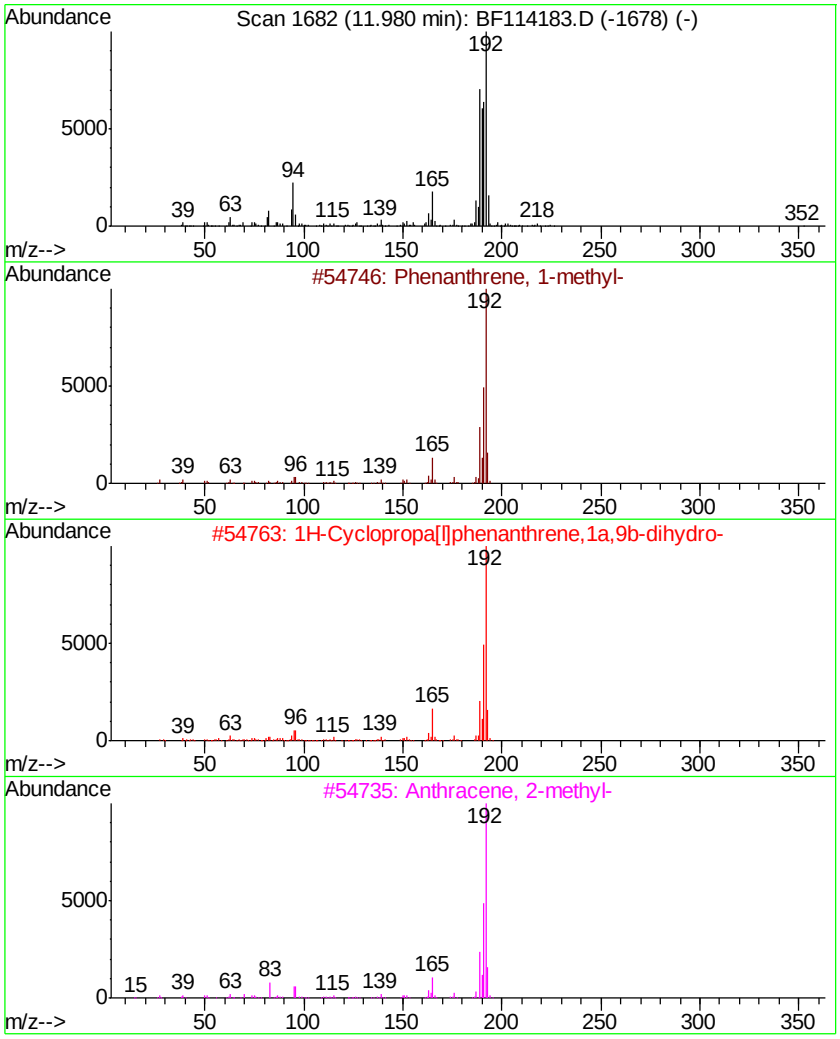
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

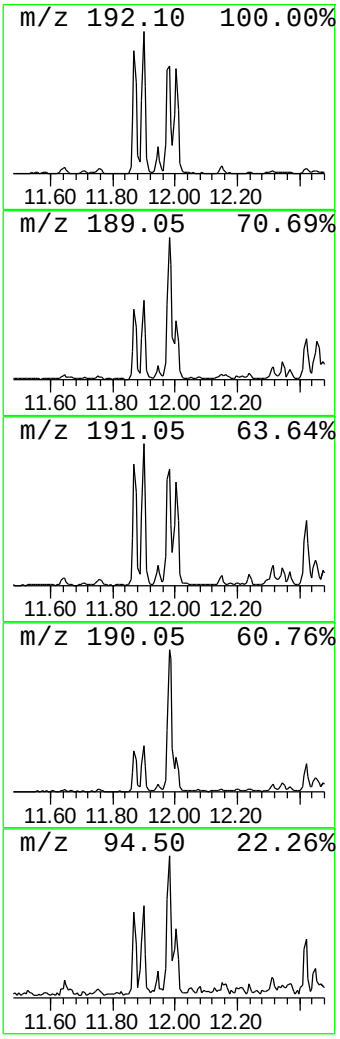
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	7.12 ng	699417	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60





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Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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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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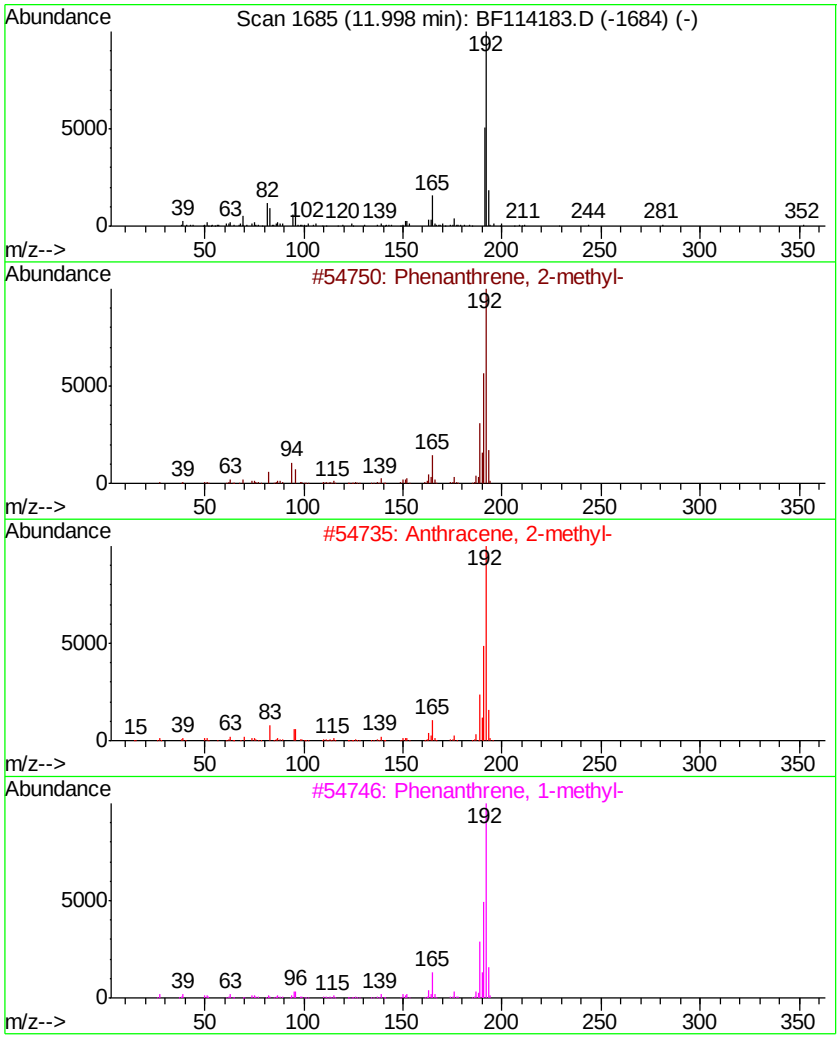
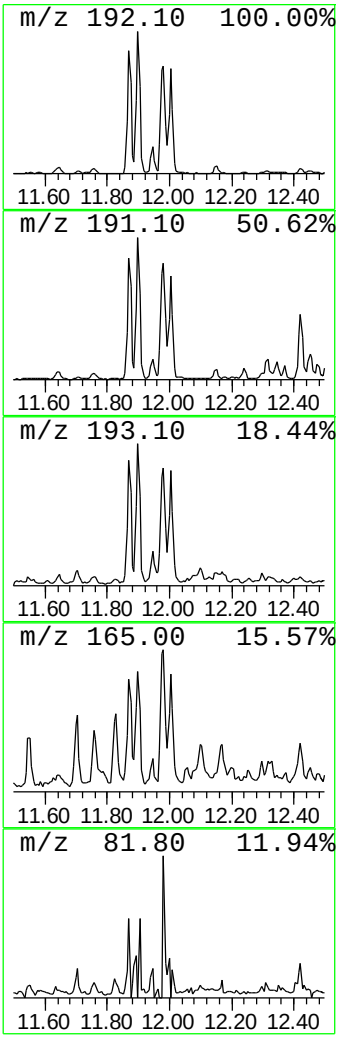
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.69 ng	362652	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





Library Search Compound Report

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Acq On : 12 May 2019 4:49
Operator : JU/SJ
Sample : K2767-20 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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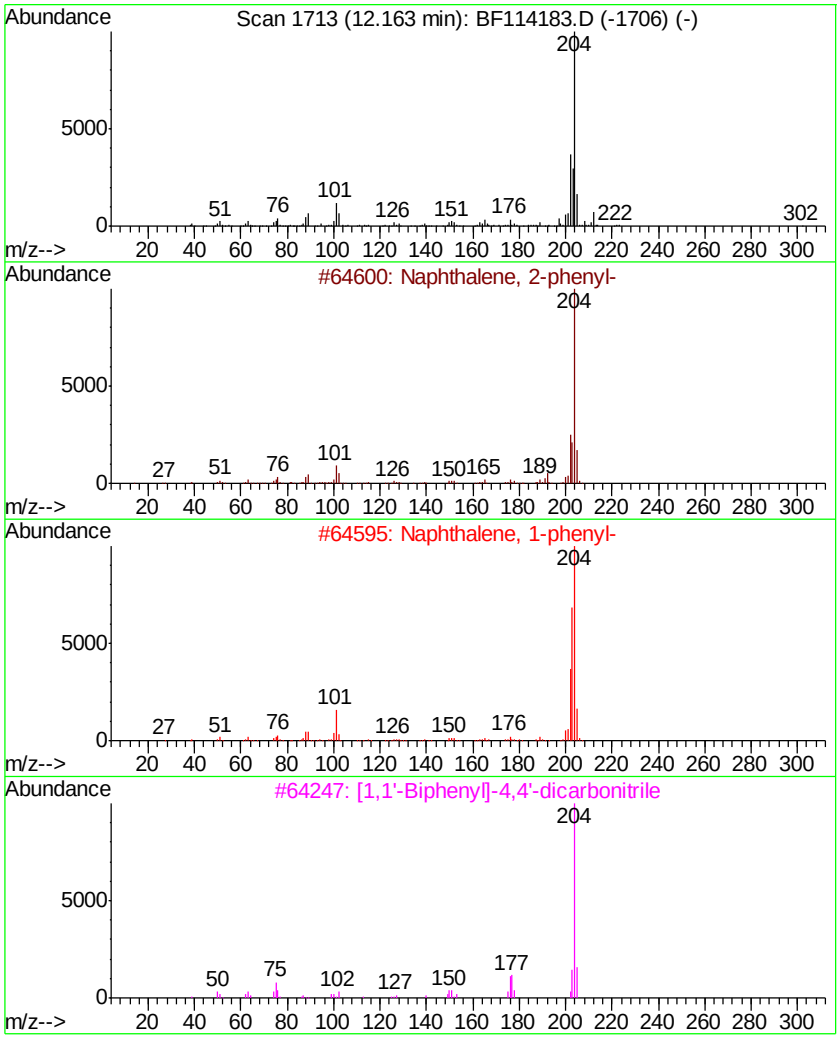
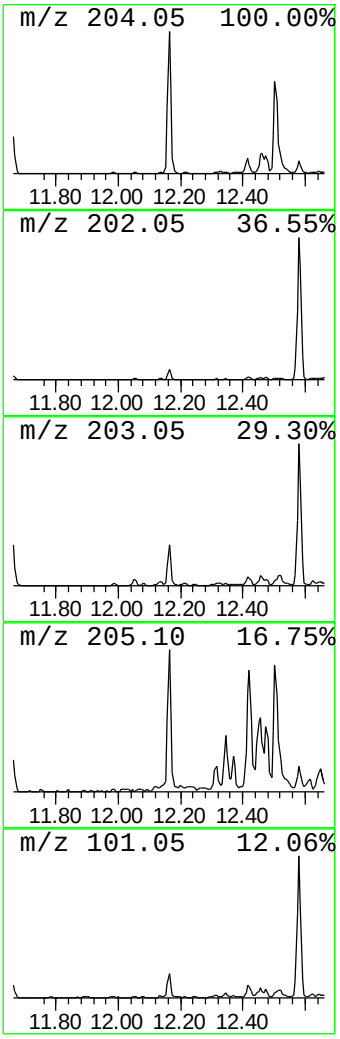
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.50 ng	442021	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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Misc :
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TIC Integration Parameters: LSCINT.P

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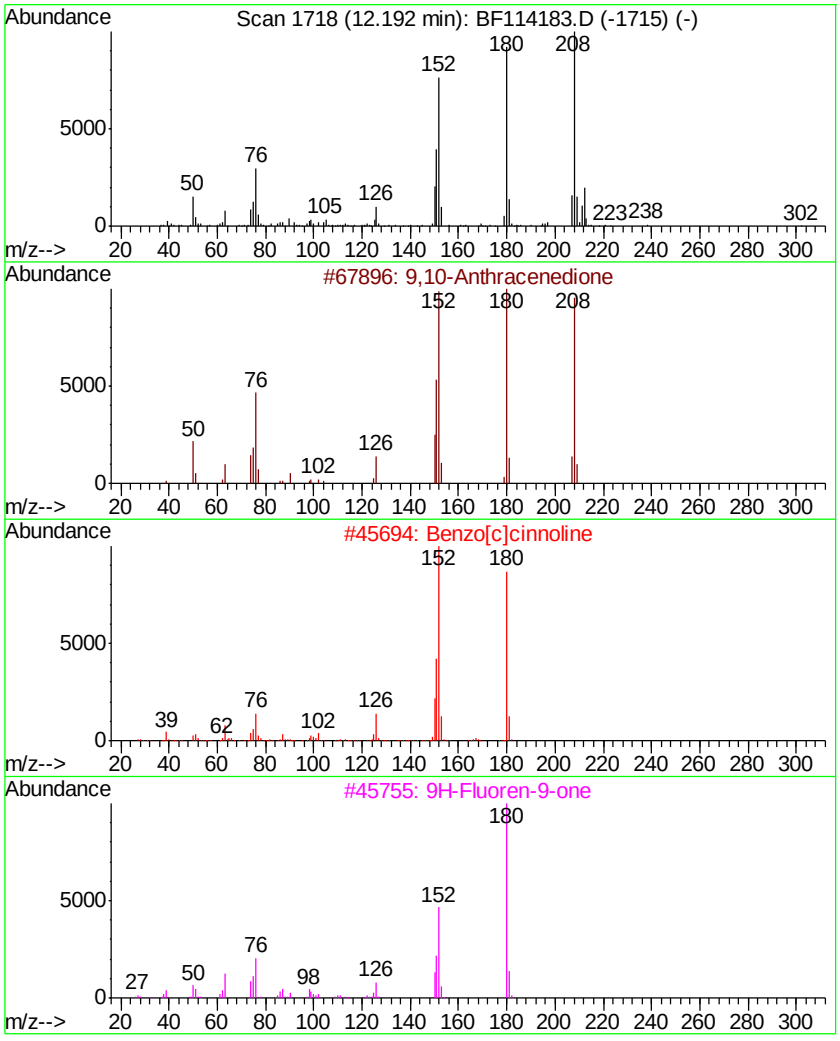
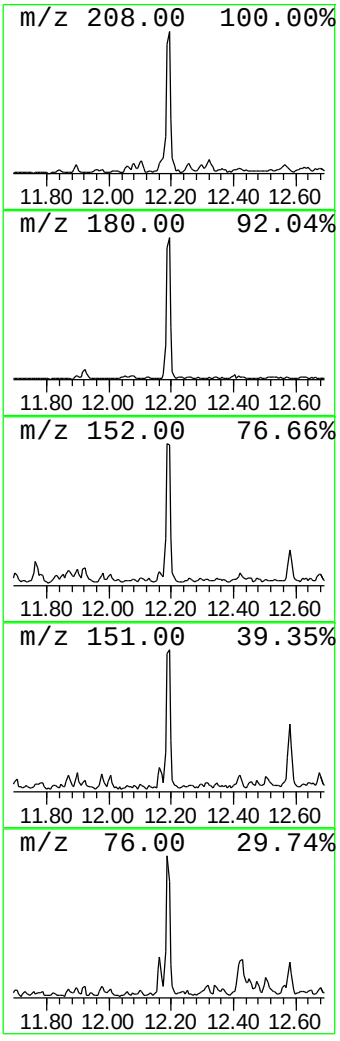
Peak Number 8 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.46 ng	437974	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	49
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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ClientSampleId : P026-SS013-0002-01

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TIC Integration Parameters: LSCINT.P

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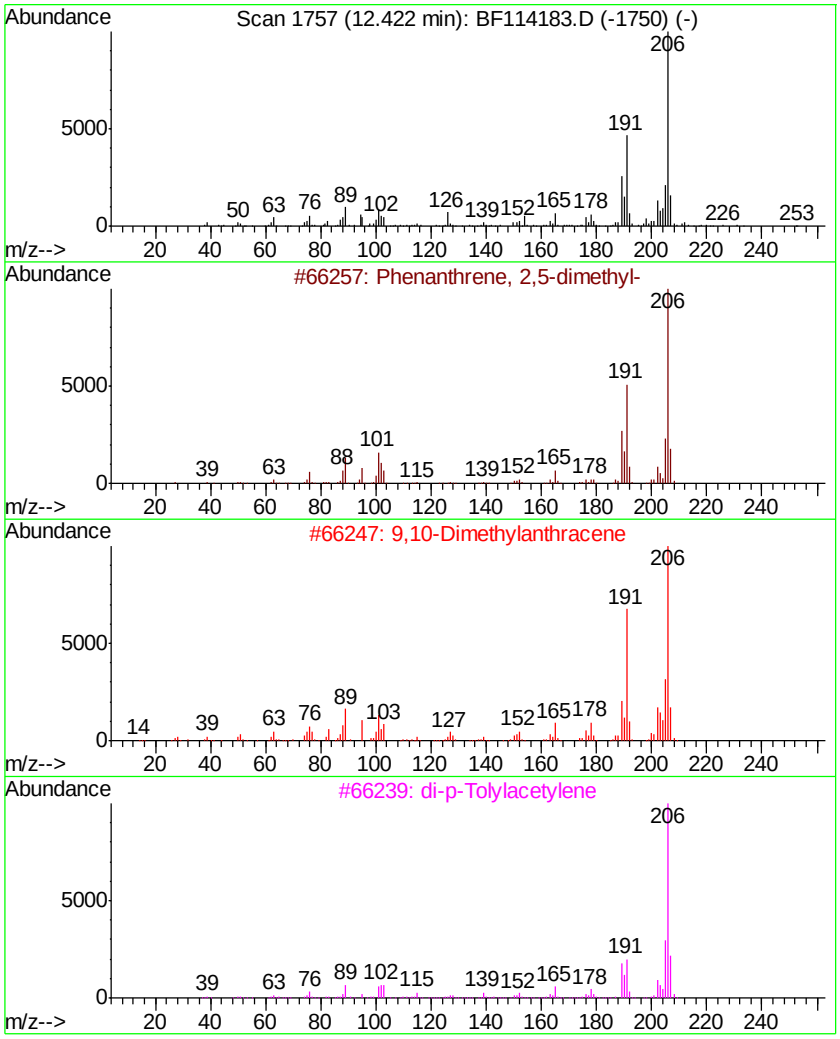
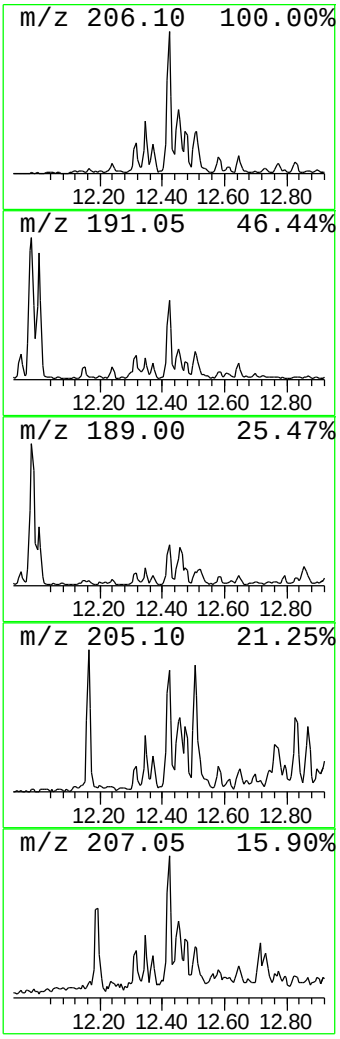
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.87 ng	576798	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	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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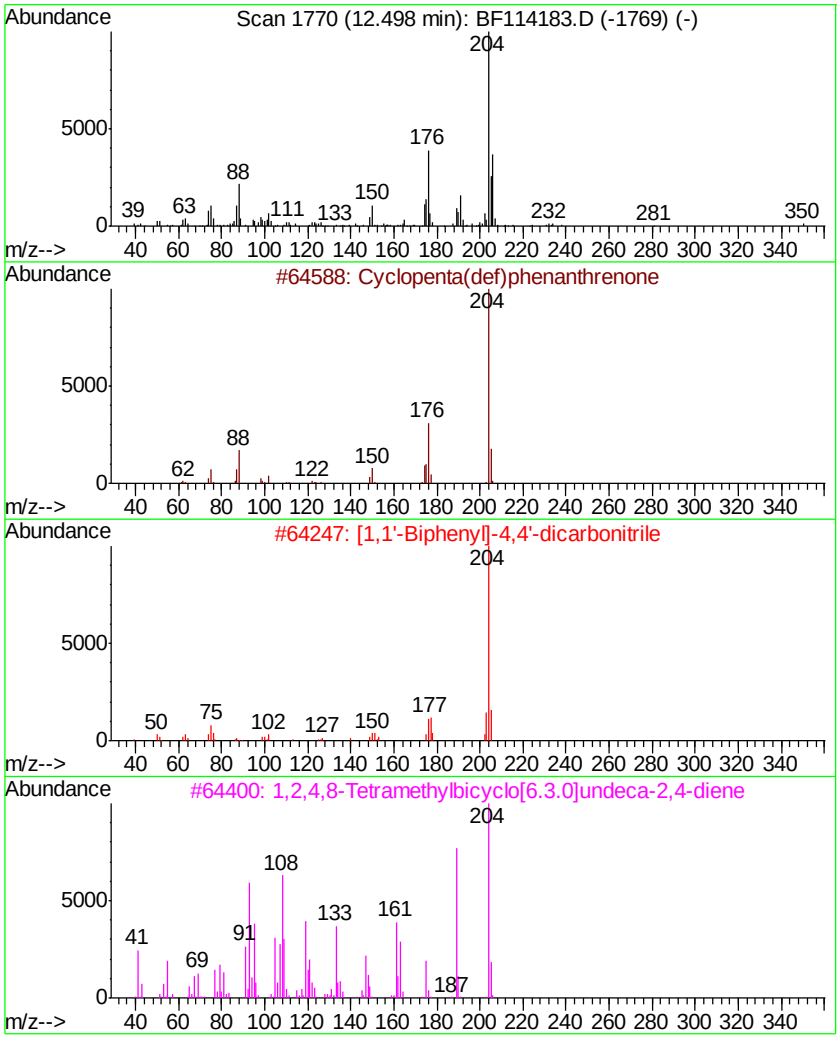
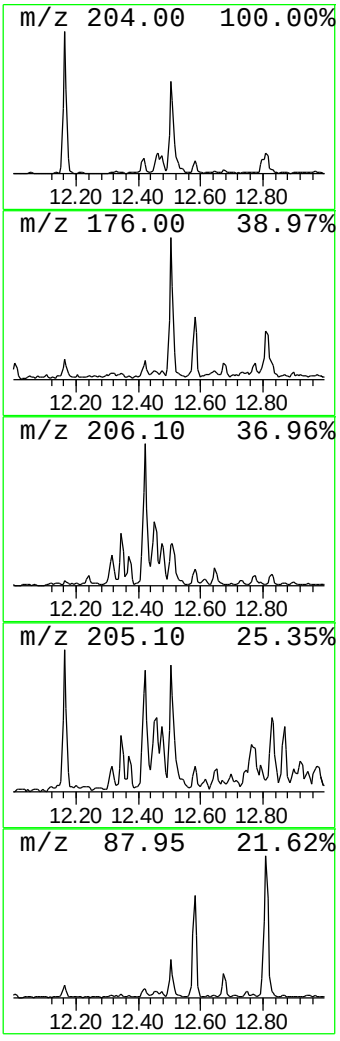
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.09 ng	401988	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	38





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ClientSampleId : P026-SS013-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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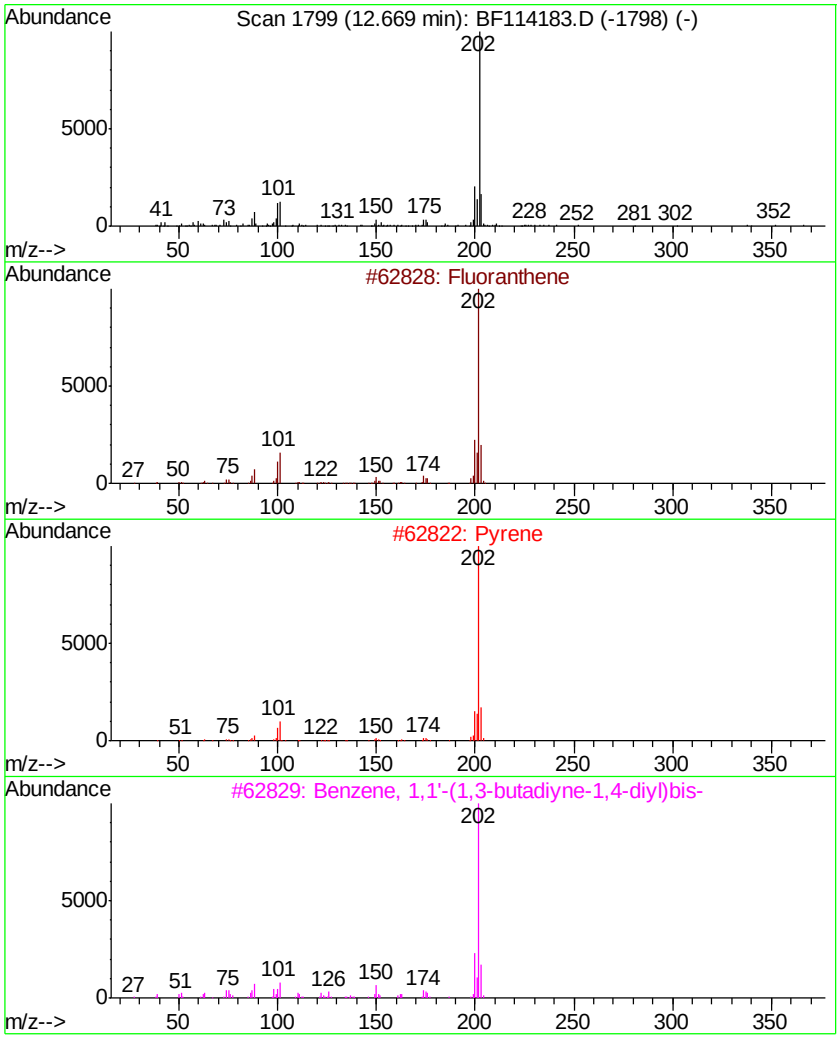
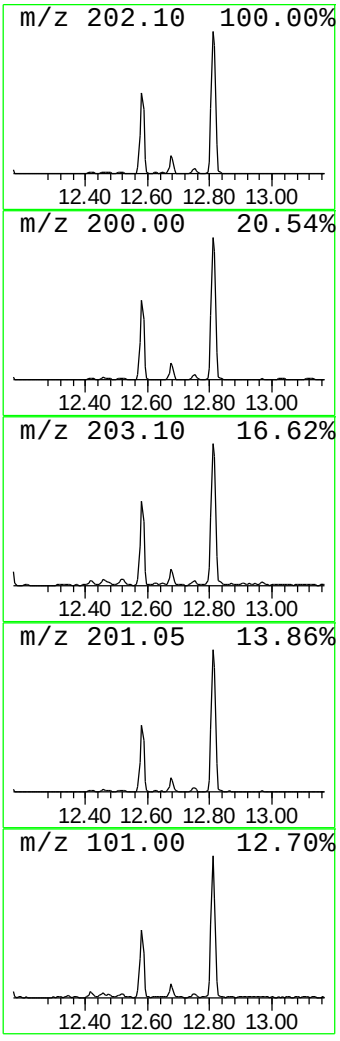
Peak Number 11 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	3.80 ng	373309	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	98
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	87
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	64
5	l-Leucine, N-methyl-N-(2-methoxy...	499	C29H57NO5	1000328-55-2	50





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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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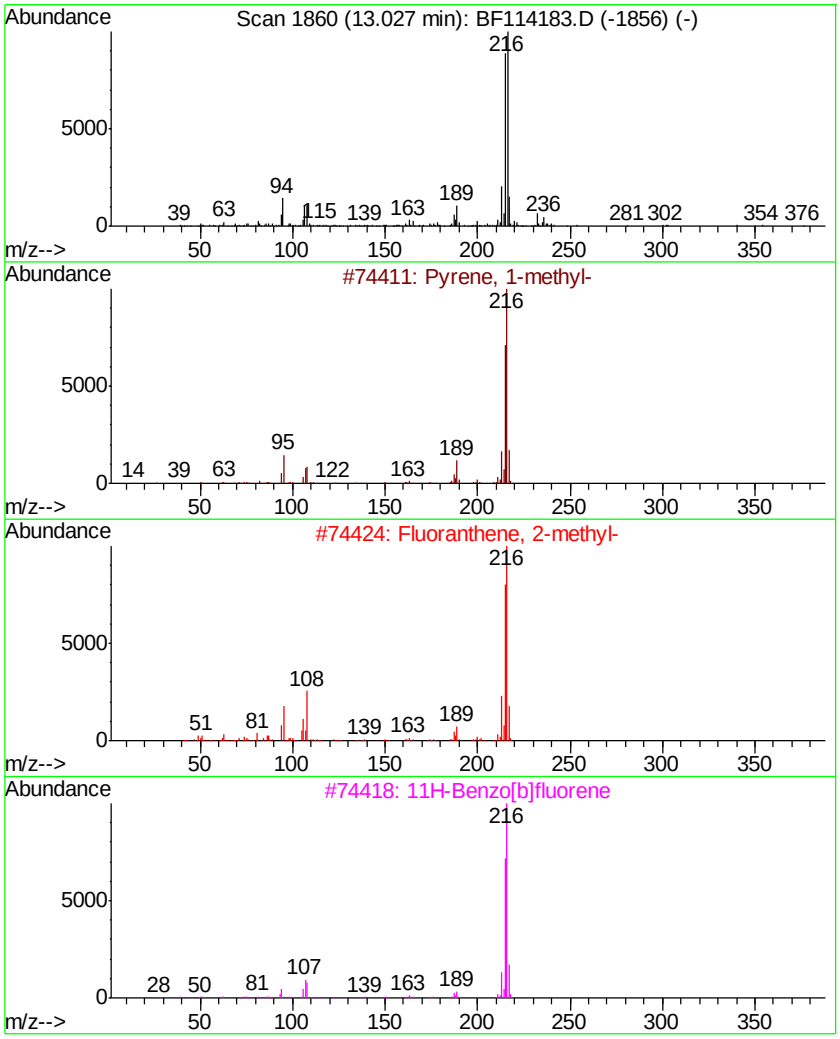
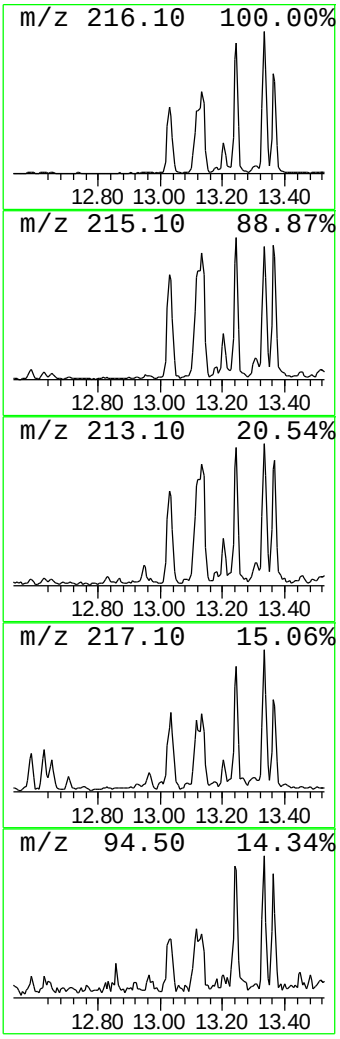
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	3.20 ng	564421	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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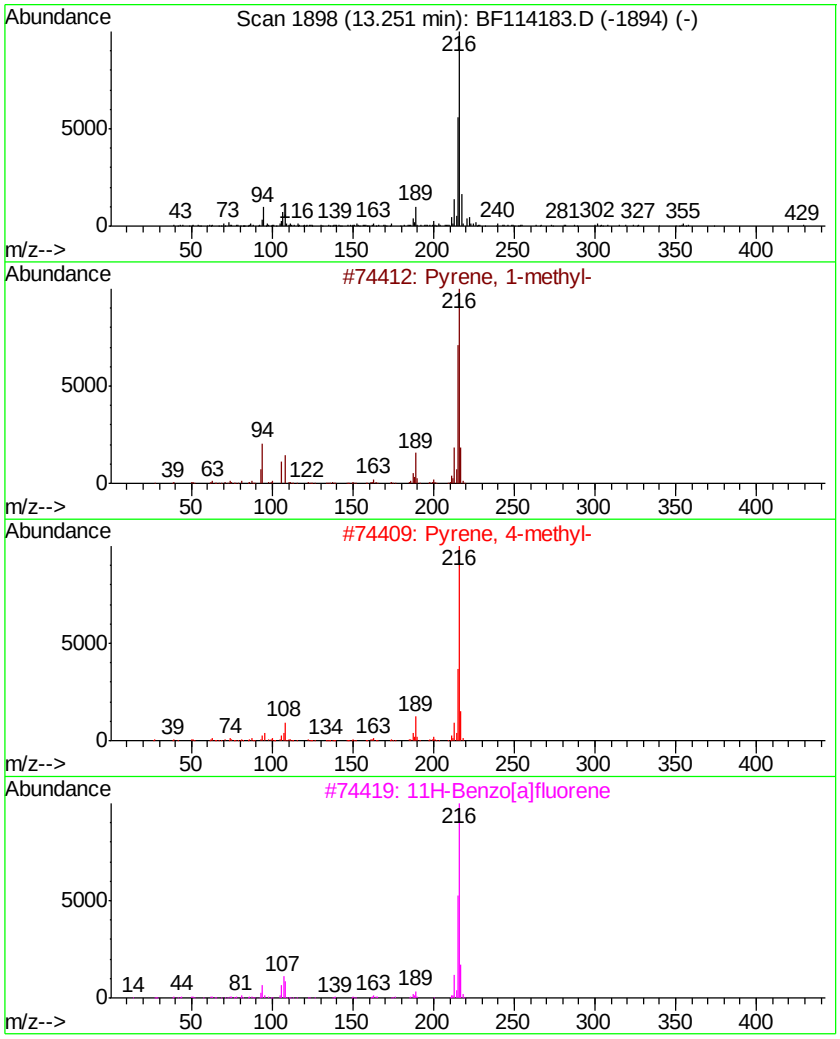
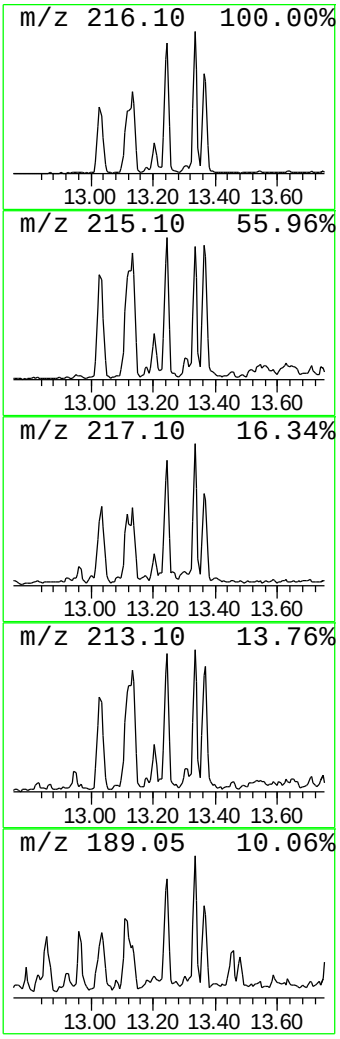
Peak Number 13 unknown13.25 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.71 ng	477967	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	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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ClientSampleId : P026-SS013-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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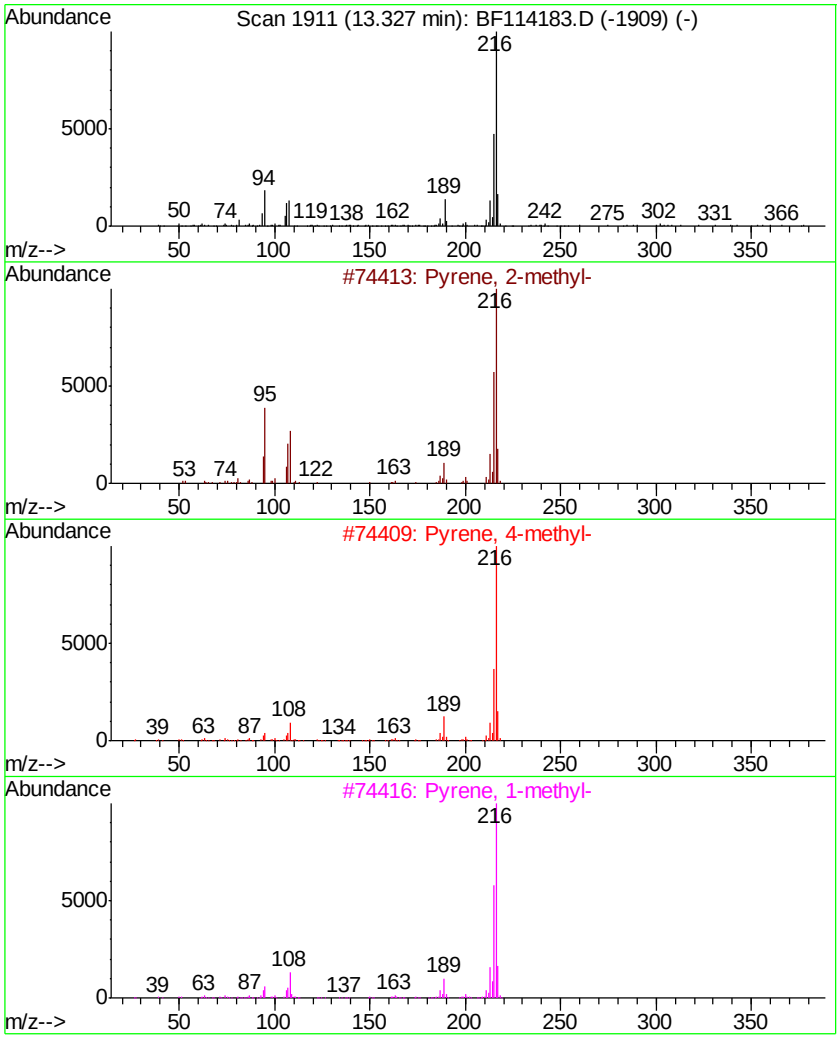
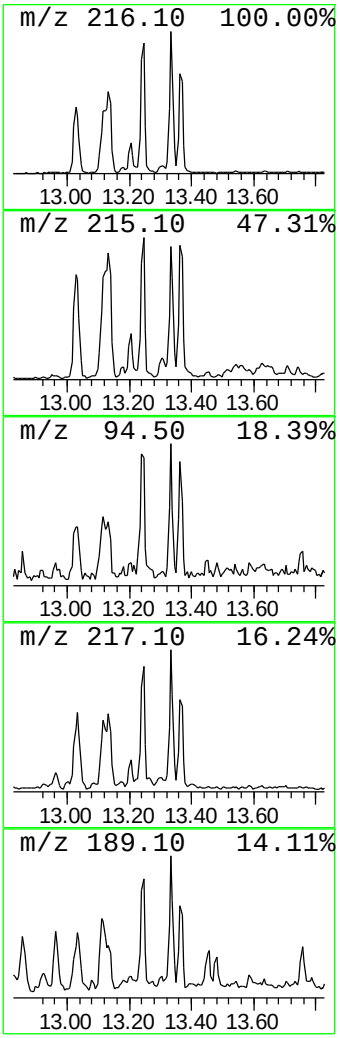
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	2.63 ng	464794	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	4-Hydroxy-6-methyl-1-pyridin-3-y...	216	C12H12N2O2	1000318-25-3	72





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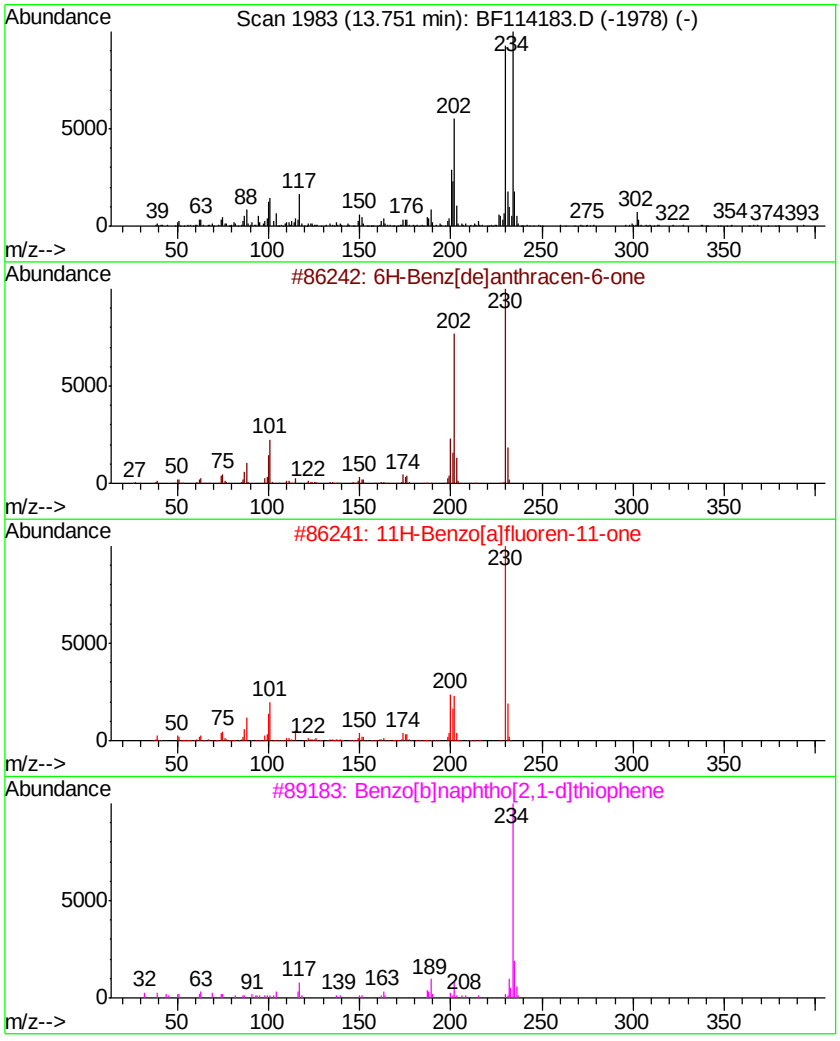
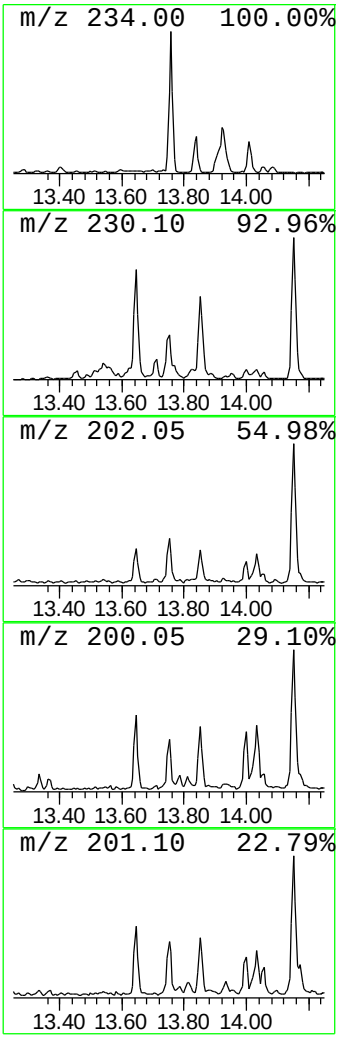
Peak Number 15 6H-Benz[de]anthracen-6-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.87 ng	507065	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58





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Misc :
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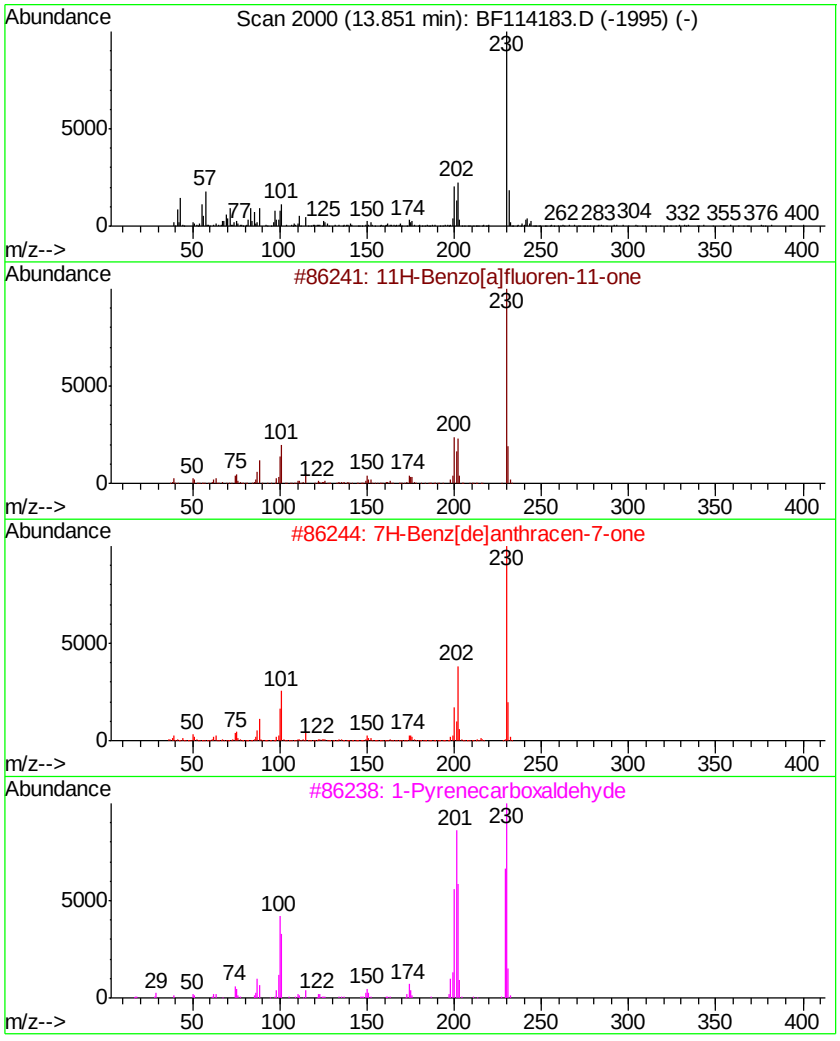
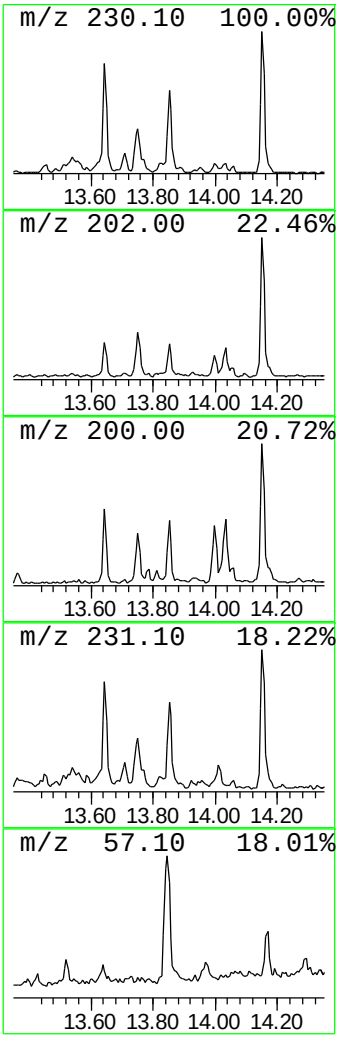
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	3.30 ng	582506	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	o-Terphenyl	230	C18H14	000084-15-1	52





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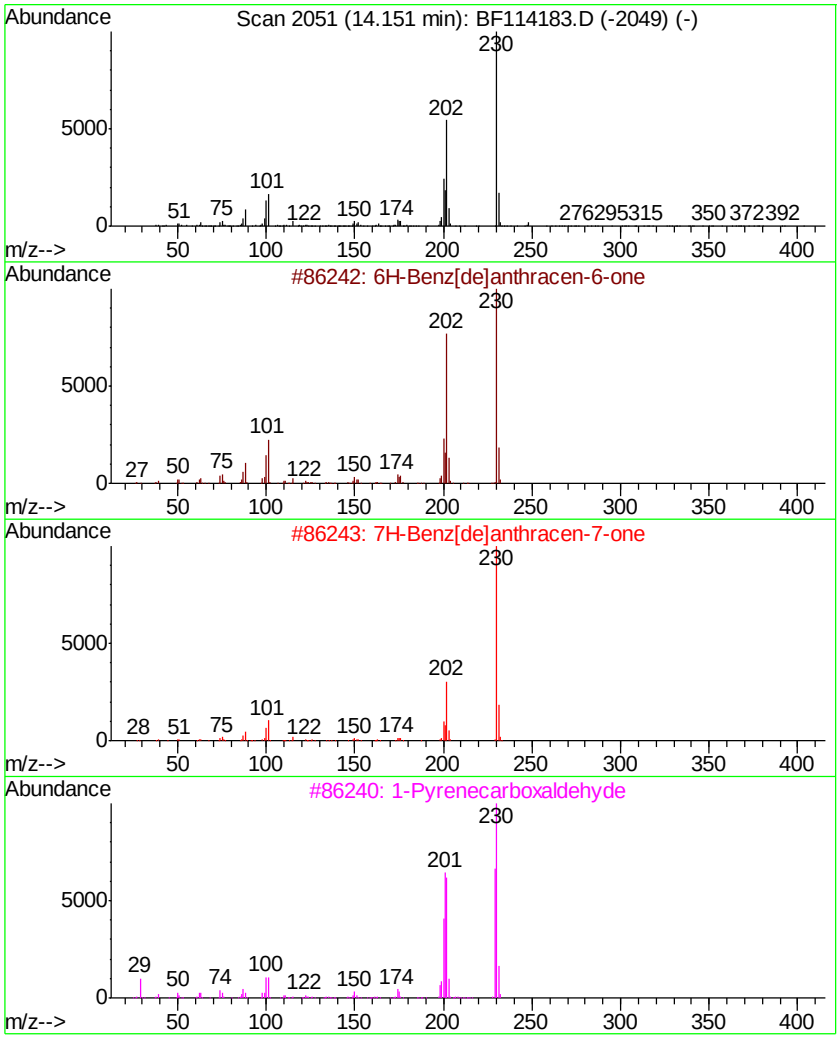
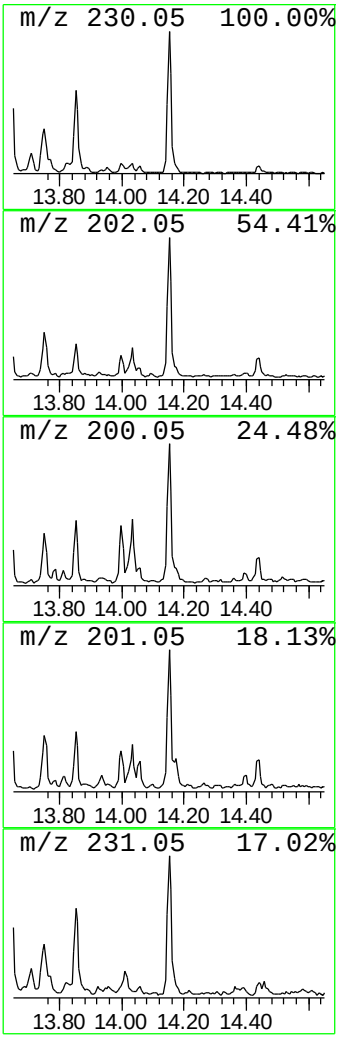
Peak Number 17 1-Pyrenecarboxaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	3.84 ng	677501	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	97
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	81
4	Pyrene	202	C16H10	000129-00-0	80
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114183.D
Acq On : 12 May 2019 4:49
Operator : JU/SJ
Sample : K2767-20 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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

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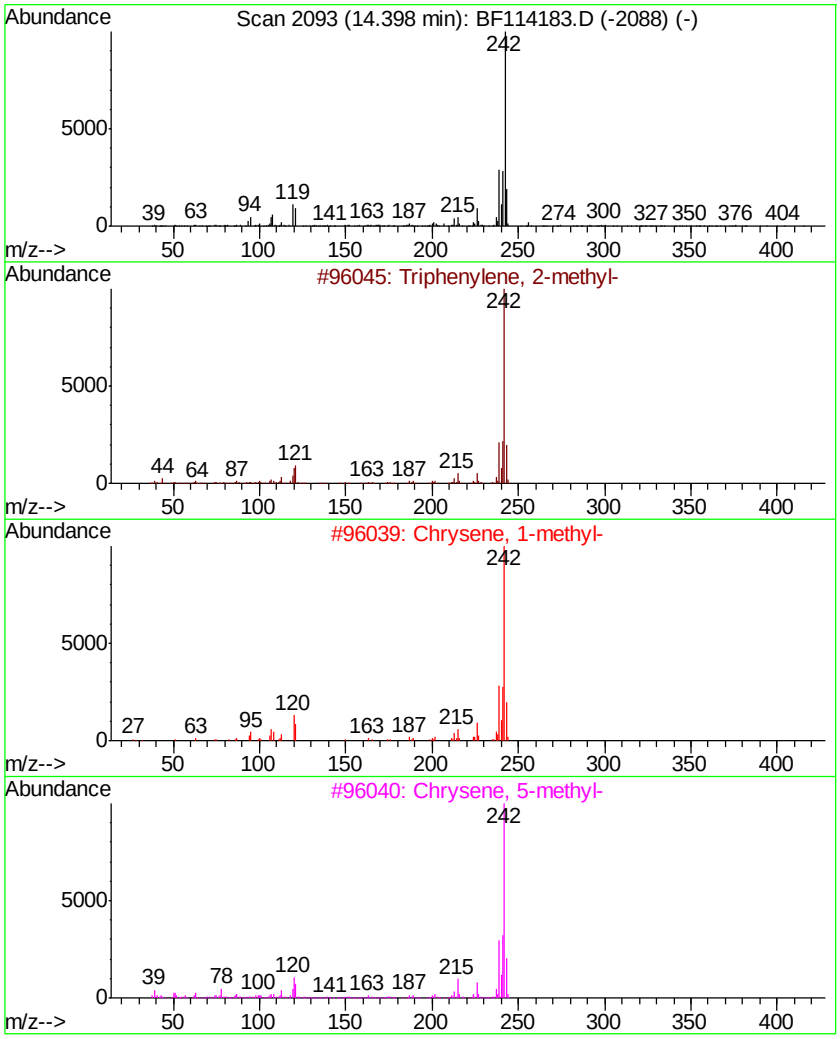
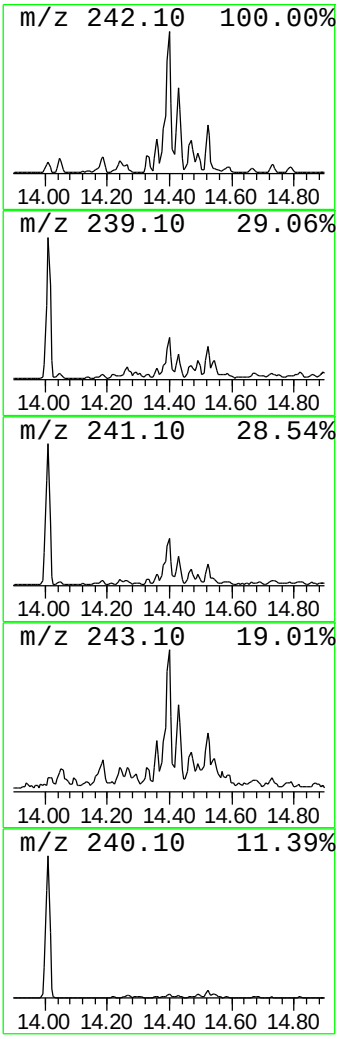
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.21 ng	567101	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114183.D
Acq On : 12 May 2019 4:49
Operator : JU/SJ
Sample : K2767-20 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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

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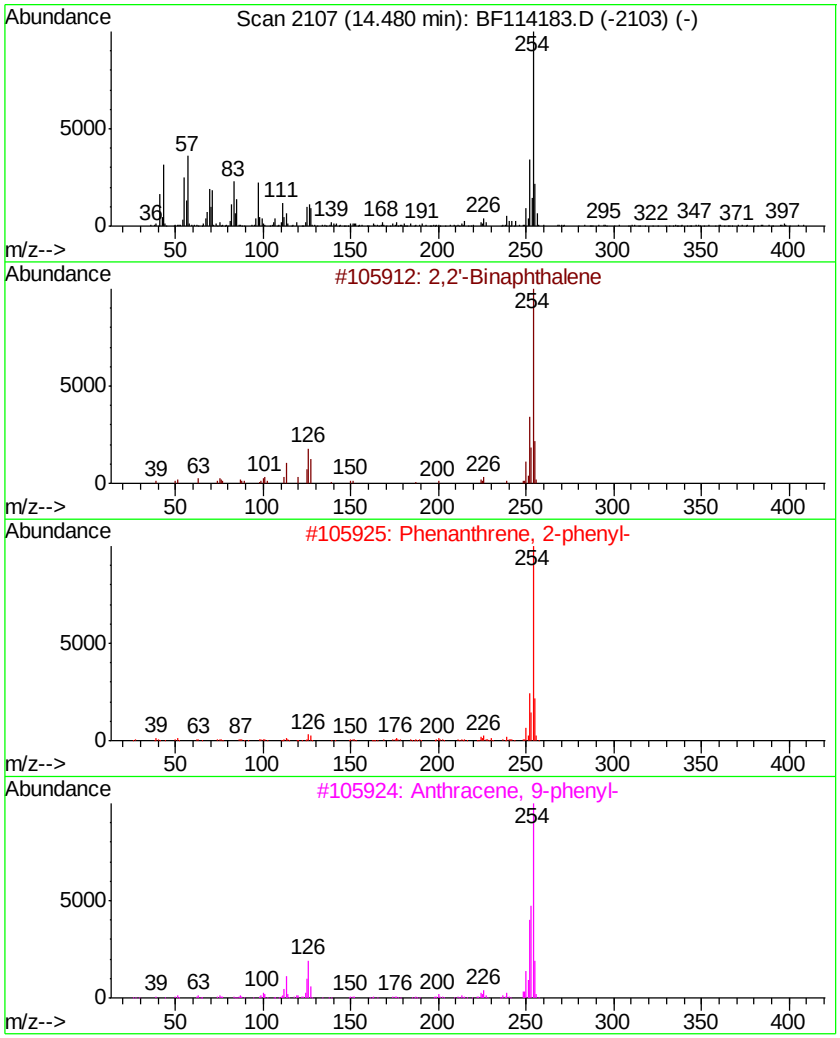
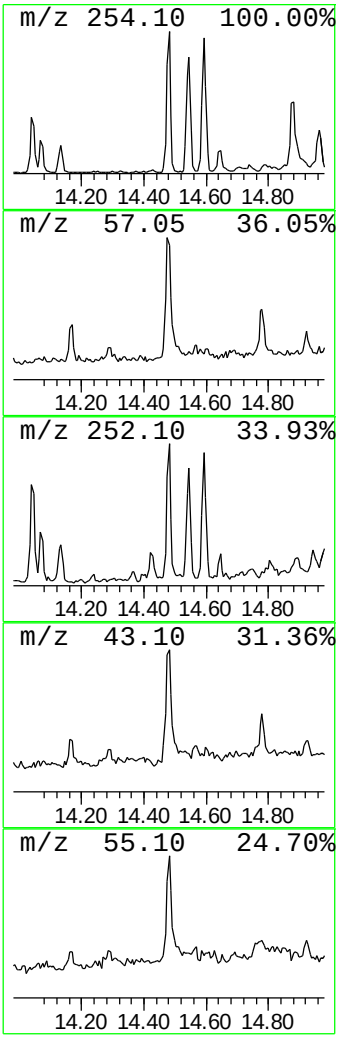
Peak Number 19 Anthracene, 9-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	3.90 ng	688309	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	62
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	60
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	52
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114183.D
Acq On : 12 May 2019 4:49
Operator : JU/SJ
Sample : K2767-20 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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

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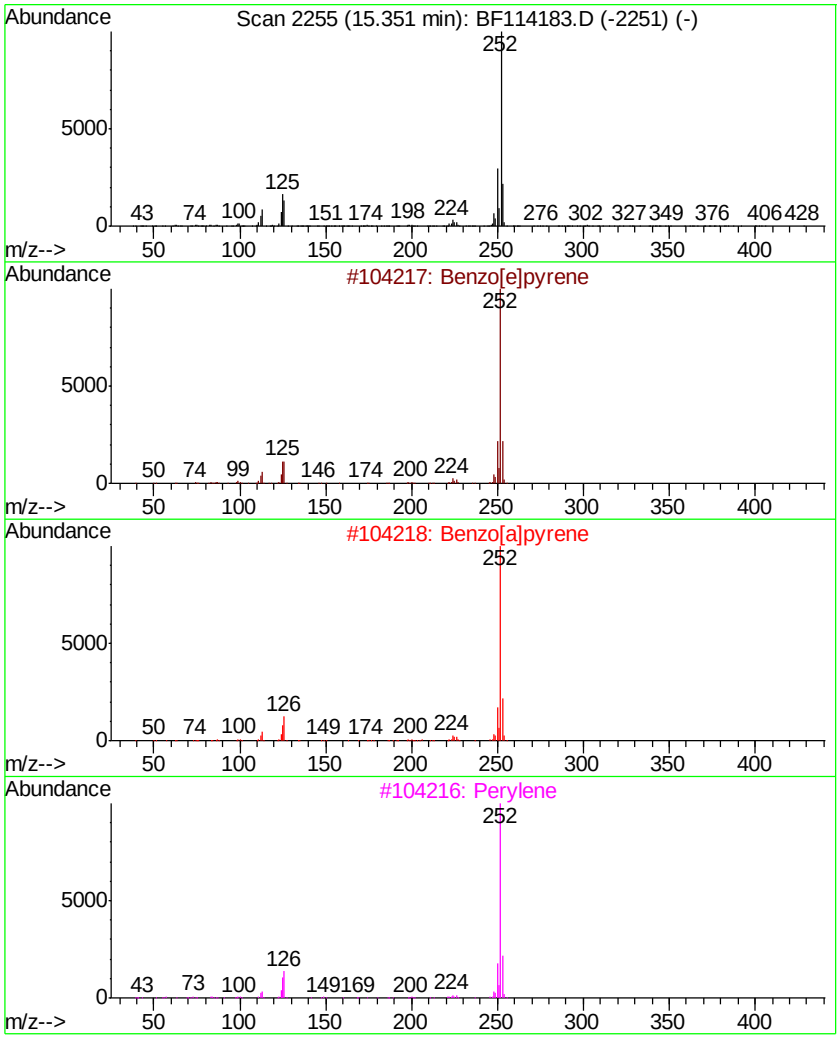
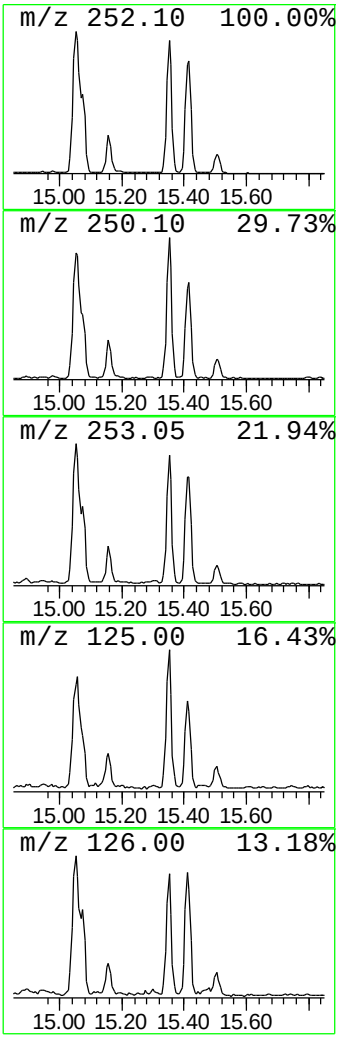
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	10.38 ng	1118640	Perylene-d12	15.47

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	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114183.D
Acq On : 12 May 2019 4:49
Operator : JU/SJ
Sample : K2767-20 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS013-0002-01

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	15.9	ng	1197370	1	6.85	1504510	20.0
Phenanthrene, 2-m...	11.87	4.5	ng	443603	4	11.37	1964370	20.0
Anthracene, 2-met...	11.90	6.0	ng	585605	4	11.37	1964370	20.0
Phenanthrene, 1-m...	11.98	7.1	ng	699417	4	11.37	1964370	20.0
1H-Cyclopropa[l]p...	12.00	3.7	ng	362652	4	11.37	1964370	20.0
Naphthalene, 2-ph...	12.16	4.5	ng	442021	4	11.37	1964370	20.0
9,10-Anthracenedione	12.19	4.5	ng	437974	4	11.37	1964370	20.0
Phenanthrene, 2,5...	12.42	5.9	ng	576798	4	11.37	1964370	20.0
Cyclopenta(def)ph...	12.50	4.1	ng	401988	4	11.37	1964370	20.0
4,4'-Bis(tetrahyd...	12.67	3.8	ng	373309	4	11.37	1964370	20.0
Pyrene, 1-methyl-	13.03	3.2	ng	564421	5	14.01	3531360	20.0
unknown13.25	13.25	2.7	ng	477967	5	14.01	3531360	20.0
Pyrene, 2-methyl-	13.33	2.6	ng	464794	5	14.01	3531360	20.0
6H-Benz[de]anthra...	13.75	2.9	ng	507065	5	14.01	3531360	20.0
11H-Benzo[a]fluor...	13.85	3.3	ng	582506	5	14.01	3531360	20.0
1-Pyrenecarboxald...	14.15	3.8	ng	677501	5	14.01	3531360	20.0
Triphenylene, 2-m...	14.40	3.2	ng	567101	5	14.01	3531360	20.0
Anthracene, 9-phe...	14.48	3.9	ng	688309	5	14.01	3531360	20.0
Benzo[e]pyrene	15.35	10.4	ng	1118640	6	15.47	2155500	20.0