LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

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-BF101819.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	5.351	551	555	574	rBV	570485	701079	50.61%	3.442%
2	6.381	727	730	748	rBV	413243	795423	57.42%	3.905%
3	6.504	748	751	758	rVV	896900	815937	58.90%	4.006%
4	6.728	786	789	798	rVB	223502	184972	13.35%	0.908%
5	6.881	812	815	824	rBV	589224	580450	41.90%	2.850%
6	7.292	882	885	899	rBV	468015	475015	34.29%	2.332%
7	7.810	969	973	981	rVB2	26420	31428	2.27%	0.154%
8	8.010	1004	1007	1010	rBV	265187	231902	16.74%	1.139%
9	8.033	1010	1011	1017	rVB	38995	27042	1.95%	0.133%
10	9.080	1186	1189	1199	rBV	900397	783076	56.53%	3.845%
11	9.416	1243	1246	1250	rBV2	63693	61324	4.43%	0.301%
12	9.480	1253	1257	1265	rVB	166784	152432	11.00%	0.748%
13	9.622	1276	1281	1289	rBV	56191	59858	4.32%	0.294%
14	9.763	1301	1305	1308	rVV	311584	293428	21.18%	1.441%
15	9.792	1308	1310	1316	rVB	84670	72551	5.24%	0.356%
16	9.969	1335	1340	1344	rBV2	50932	51667	3.73%	0.254%
17	10.310	1394	1398	1404	rBV2	101334	96327	6.95%	0.473%
18	10.469	1422	1425	1432	rVB	33229	34261	2.47%	0.168%
19	10.551	1436	1439	1445	rBV	497128	501677	36.22%	2.463%
20	10.674	1454	1460	1466	rBV6	10962	25339	1.83%	0.124%
21	10.857	1487	1491	1494	rBV3	26225	29914	2.16%	0.147%
22	11.063	1523	1526	1529	rVV	57807	48573	3.51%	0.238%
23	11.098	1529	1532	1536	rVV3	28087	37448	2.70%	0.184%
24	11.145	1537	1540	1546	rVB	57714	55845	4.03%	0.274%
25	11.251	1554	1558	1559	rBV	283246	257253	18.57%	1.263%
26	11.274	1559	1562	1565	rVV	1211397	1014295	73.22%	4.980%
27	11.327	1567	1571	1574	rVV	198029	203327	14.68%	0.998%
28	11.363	1574	1577	1582	rVB3	22083	37355	2.70%	0.183%
29	11.486	1594	1598	1604	rBV2	101048	143366	10.35%	0.704%
30	11.539	1604	1607	1609	rVB	30952	25357	1.83%	0.125%
31	11.751	1640	1643	1645	rBV	155964	135236	9.76%	0.664%
32	11.780	1645	1648	1652	rVV	298204	266900	19.27%	1.310%
33	11.827	1653	1656	1659	rVV	68135	65324	4.72%	0.321%
34	11.863	1659	1662	1664	rVV	233789	233245	16.84%	1.145%

LSC Area Percent Report

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Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.886	1664	1666	1671	rVB	114723	96730	6.98%	0.475%
36	12.045	1689	1693	1696	rVB	97838	84675	6.11%	0.416%
37	12.086	1696	1700	1704	rBV	105183	100176	7.23%	0.492%
38	12.192	1714	1718	1722	rBV	40408	48774	3.52%	0.239%
39	12.227	1722	1724	1726	rVV	43415	32010	2.31%	0.157%
40	12.251	1726	1728	1732	rVB	26915	26403	1.91%	0.130%
41	12.304	1732	1737	1739	rBV	109462	122364	8.83%	0.601%
42	12.339	1739	1743	1745	rVV3	56940	82141	5.93%	0.403%
43	12.357	1745	1746	1749	rVV2	42157	33342	2.41%	0.164%
44	12.398	1749	1753	1757	rVB2	88356	101467	7.32%	0.498%
45	12.468	1761	1765	1768	rVV	1470464	1385274	100.00%	6.802%
46	12.504	1768	1771	1773	rVV3	28599	36845	2.66%	0.181%
47	12.527	1773	1775	1778	rVB2	38391	36837	2.66%	0.181%
48	12.563	1778	1781	1786	rBV	51320	57880	4.18%	0.284%
49	12.615	1786	1790	1793	rBV2	72494	82051	5.92%	0.403%
50	12.698	1798	1804	1807	rBV	1285757	1346042	97.17%	6.609%
51	12.745	1809	1812	1816	rVB2	56594	74775	5.40%	0.367%
52	12.827	1820	1826	1829	rBV2	681552	689481	49.77%	3.385%
53	12.857	1829	1831	1836	rVB	66185	78518	5.67%	0.386%
54	12.910	1836	1840	1844	rBV4	84965	147712	10.66%	0.725%
55	12.998	1852	1855	1856	rBV2	74121	79255	5.72%	0.389%
56	13.021	1856	1859	1862	rVV	176506	184198	13.30%	0.904%
57	13.057	1862	1865	1867	rVV4	28455	26721	1.93%	0.131%
58	13.086	1867	1870	1872	rVV	112290	96598	6.97%	0.474%
59	13.127	1872	1877	1884	rVB3	128405	186198	13.44%	0.914%
60	13.180	1884	1886	1889	rVB3	33626	29393	2.12%	0.144%
61	13.215	1889	1892	1895	rBV	63679	60466	4.36%	0.297%
62	13.251	1895	1898	1901	rBV2	72288	76030	5.49%	0.373%
63	13.398	1920	1923	1925	rBV4	33274	33097	2.39%	0.163%
64	13.539	1944	1947	1953	rVB	118556	121031	8.74%	0.594%
65	13.645	1960	1965	1967	rBV2	132275	167601	12.10%	0.823%
66	13.662	1967	1968	1971	rVB	103532	72422	5.23%	0.356%
67	13.692	1971	1973	1975	rBV	68020	65771	4.75%	0.323%
68	13.733	1977	1980	1981	rVV2	87778	106167	7.66%	0.521%
69	13.751	1981	1983	1989	rVB	158740	160114	11.56%	0.786%
70	13.815	1991	1994	1999	rVB	31960	45631	3.29%	0.224%
71	13.886	1999	2006	2010	rBV2	688907	1059130	76.46%	5.200%

LSC Area Percent Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.921	2010	2012	2015	rVB	593318	469185	33.87%	2.304%
73	13.998	2023	2025	2028	rVB	86359	70815	5.11%	0.348%
74	14.051	2031	2034	2039	rBV3	49518	80536	5.81%	0.395%
75	14.245	2064	2067	2069	rBV2	44400	54252	3.92%	0.266%
76	14.280	2069	2073	2076	rVB	124642	131488	9.49%	0.646%
77	14.315	2076	2079	2081	rVB2	53707	44324	3.20%	0.218%
78	14.351	2081	2085	2088	rBV4	83904	112903	8.15%	0.554%
79	14.380	2088	2090	2092	rBV2	29672	31355	2.26%	0.154%
80	14.404	2092	2094	2096	rVV2	65502	51046	3.68%	0.251%
81	14.474	2104	2106	2109	rVB2	33267	29504	2.13%	0.145%
82	14.509	2109	2112	2120	rVB3	127233	145293	10.49%	0.713%
83	14.609	2126	2129	2132	rBV3	46420	51992	3.75%	0.255%
84	14.645	2133	2135	2137	rVB2	46337	33117	2.39%	0.163%
85	14.774	2153	2157	2161	rBV	70986	81512	5.88%	0.400%
86	14.927	2178	2183	2185	rBV	501572	717320	51.78%	3.522%
87	15.027	2197	2200	2204	rVB	98411	110316	7.96%	0.542%
88	15.109	2211	2214	2219	rBV4	30357	57918	4.18%	0.284%
89	15.209	2227	2231	2237	rVB	267168	317526	22.92%	1.559%
90	15.274	2237	2242	2246	rVV	420249	481755	34.78%	2.365%
91	15.327	2246	2251	2254	rVV2	162955	252328	18.22%	1.239%
92	15.362	2254	2257	2263	rVB2	113672	161270	11.64%	0.792%
93	15.721	2314	2318	2323	rBV	169763	224844	16.23%	1.104%
94	15.798	2327	2331	2337	rBV7	38146	77127	5.57%	0.379%
95	16.545	2455	2458	2462	rBV2	20434	29799	2.15%	0.146%
96	16.586	2462	2465	2470	rVB2	27625	38517	2.78%	0.189%
97	16.745	2485	2492	2499	rVB	188991	369434	26.67%	1.814%
98	16.898	2512	2518	2524	rVV2	45757	86149	6.22%	0.423%
99	16.962	2525	2529	2535	rVB3	31798	60263	4.35%	0.296%
100	17.168	2559	2564	2572	rVB	120568	233209	16.83%	1.145%

Sum of corrected areas: 20367043

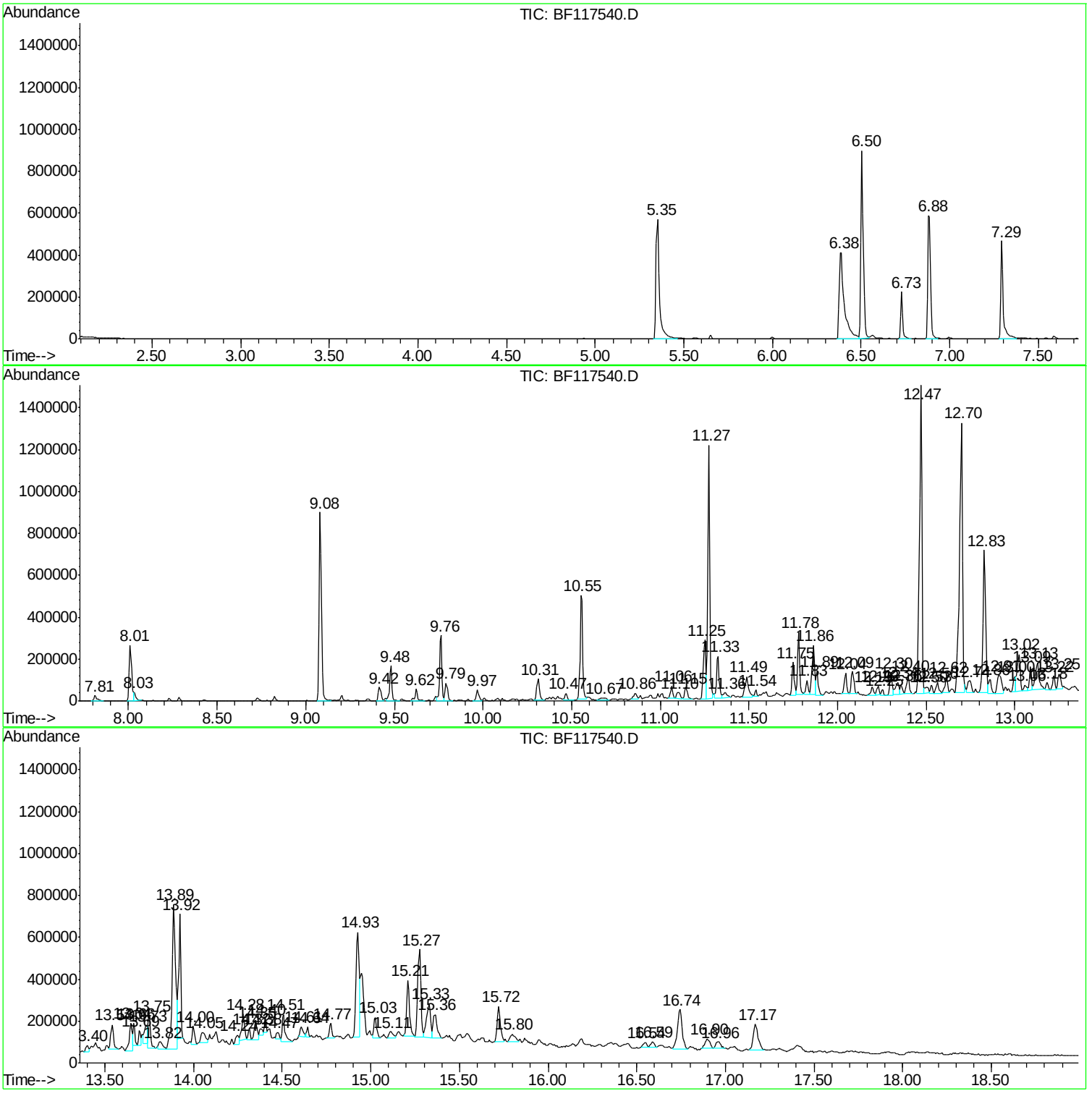
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF102519\
Data File : BF117540.D
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Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
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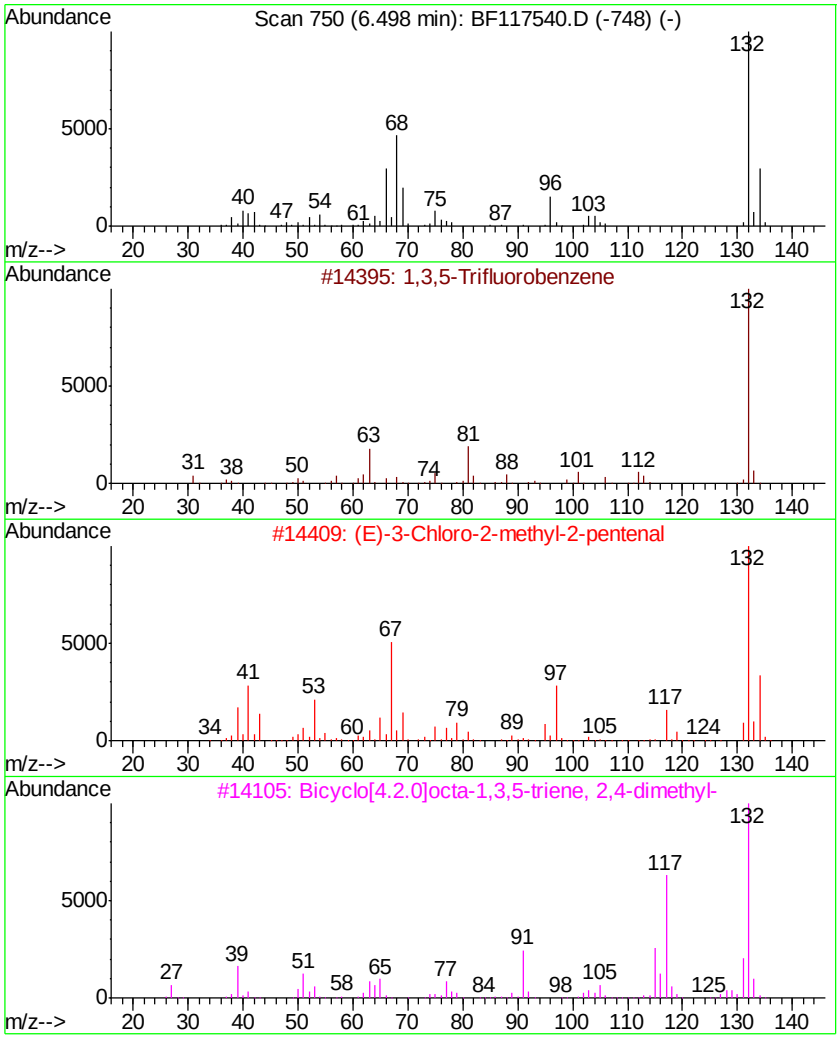
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

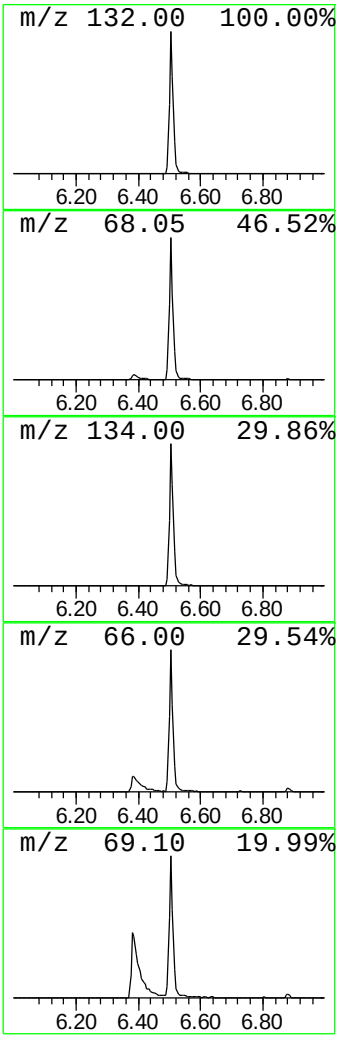
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	88.22 ng	815937	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5	5-Aminoindole	132	C8H8N2	005192-03-0	9





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Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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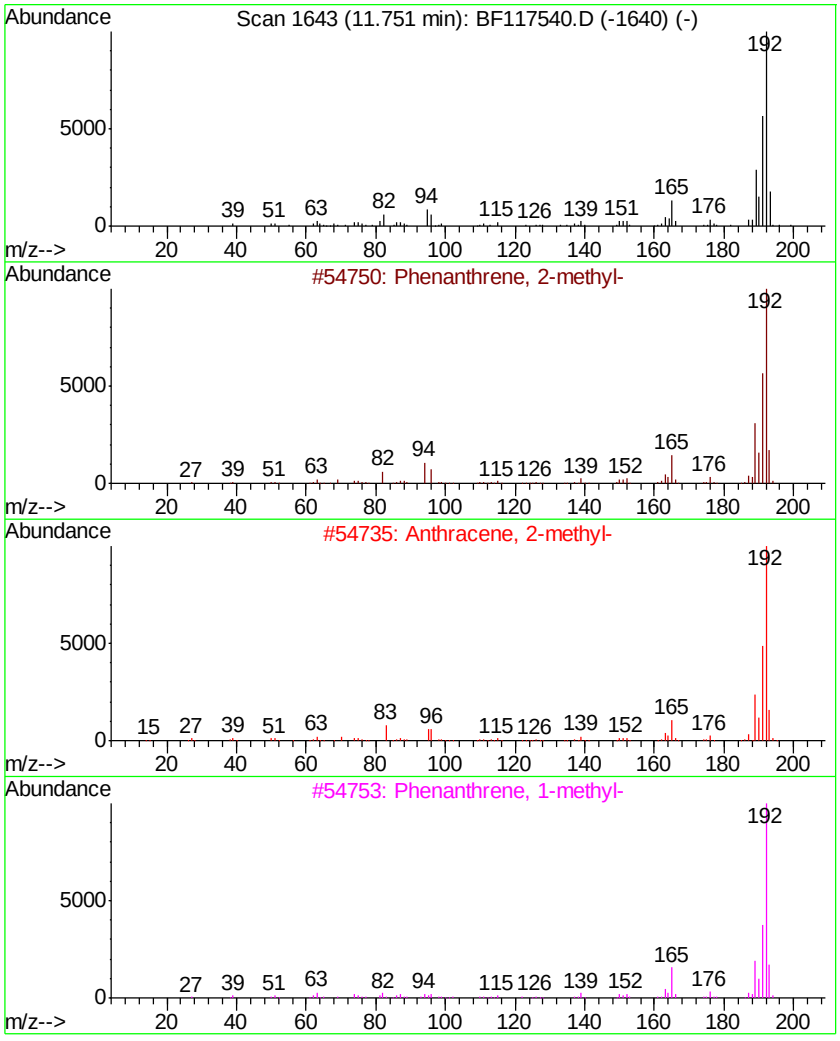
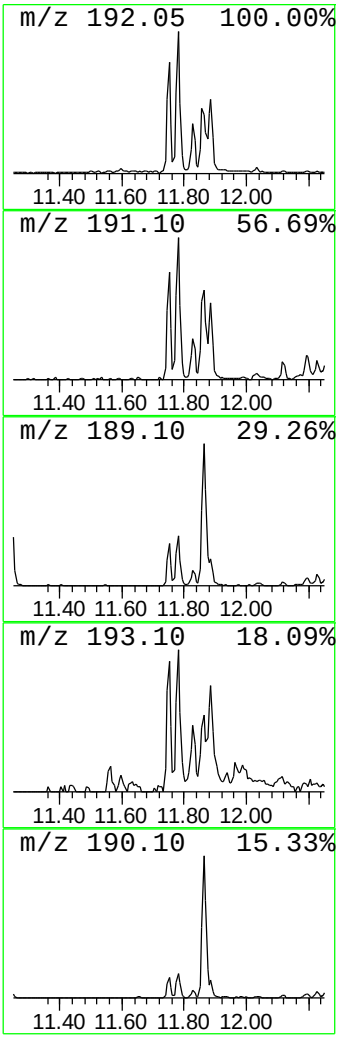
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	10.51 ng	135236	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
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TIC Library : C:\DATABASE\NIST11.L
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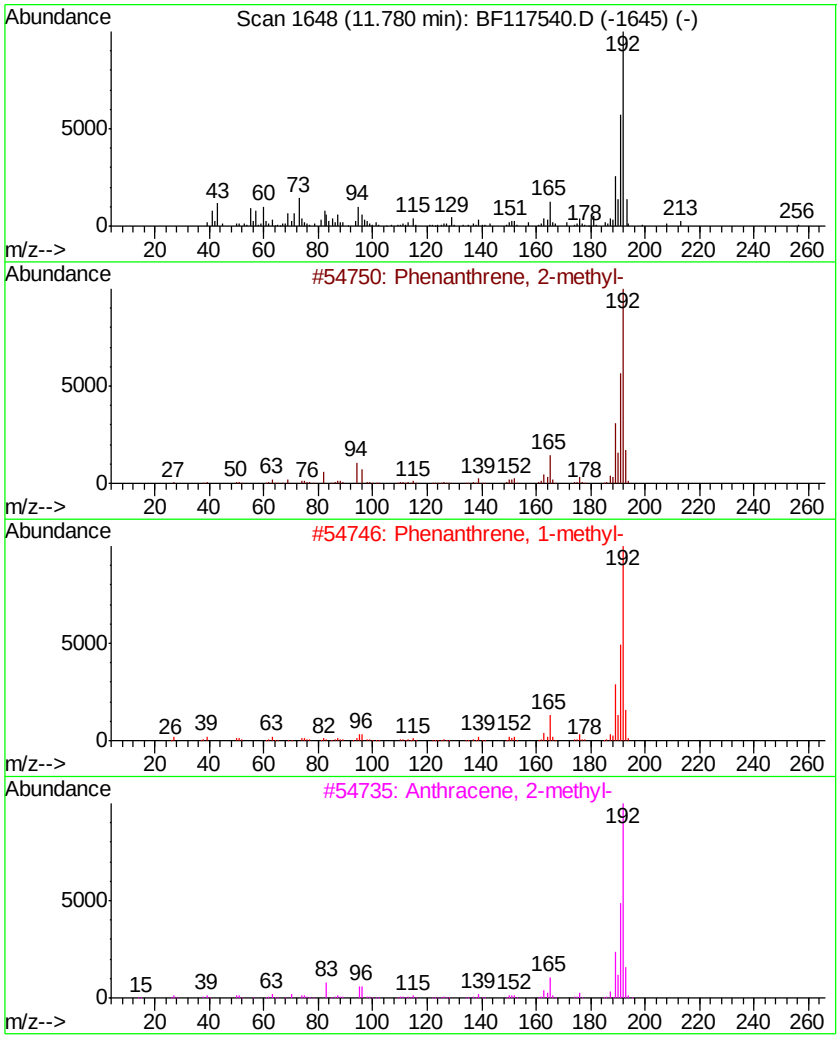
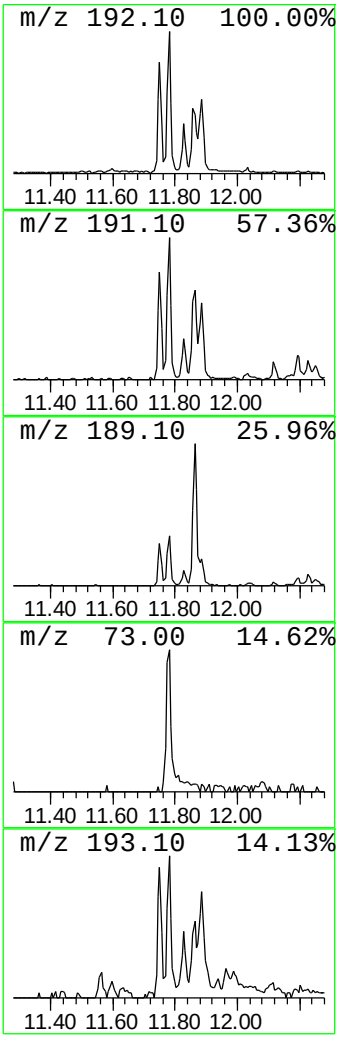
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	20.75 ng	266900	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

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Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

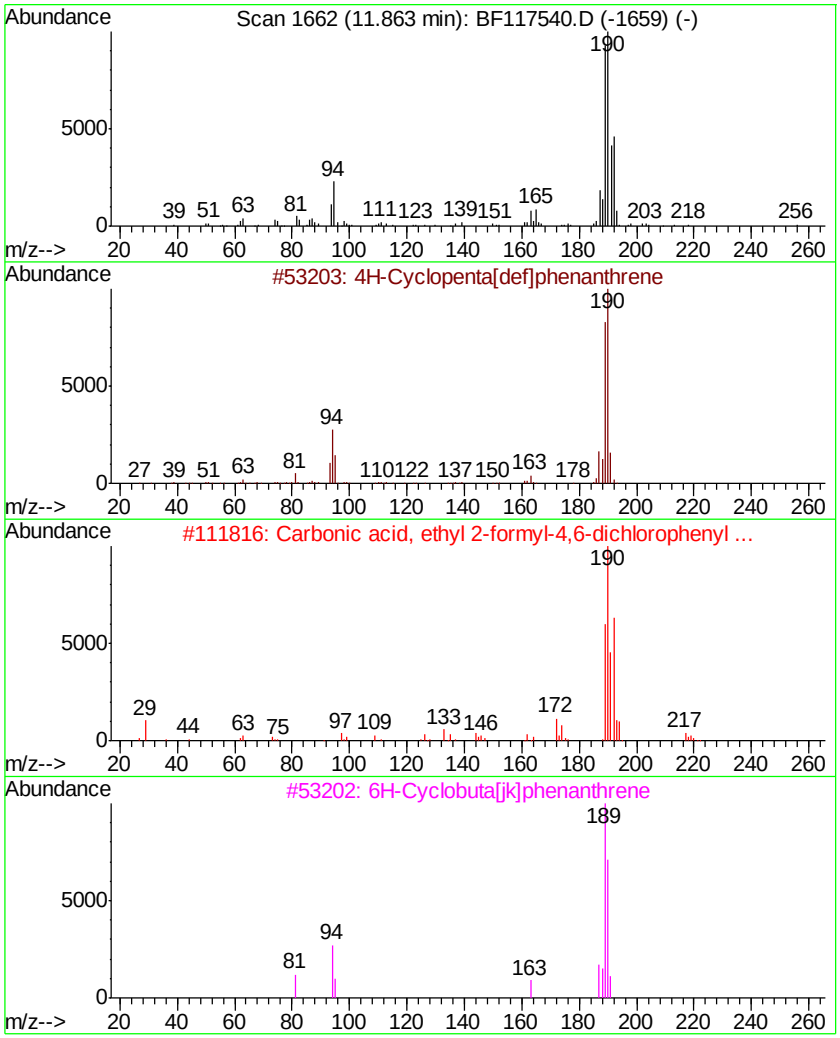
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

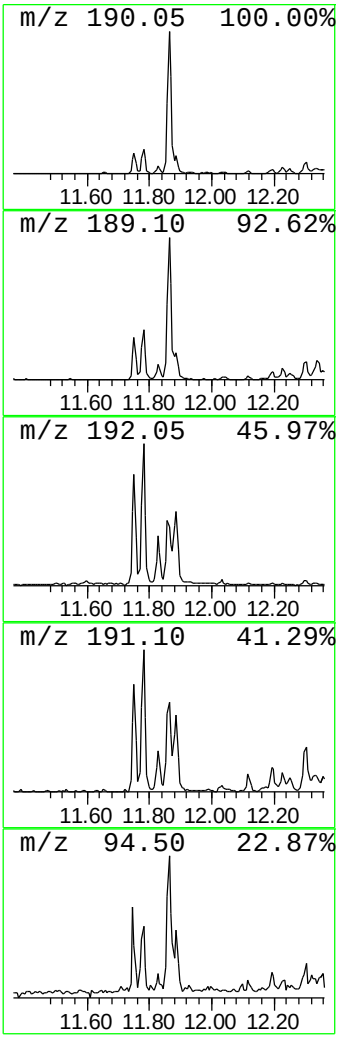
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	18.13 ng	233245	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	42
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

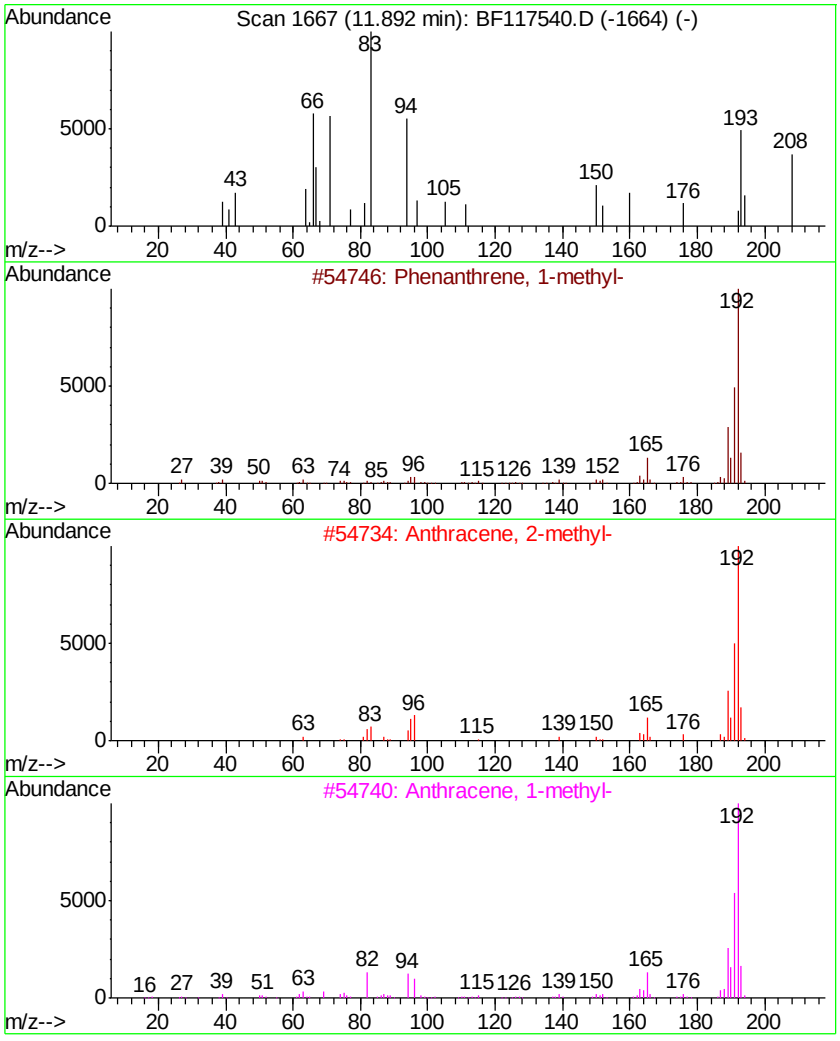
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

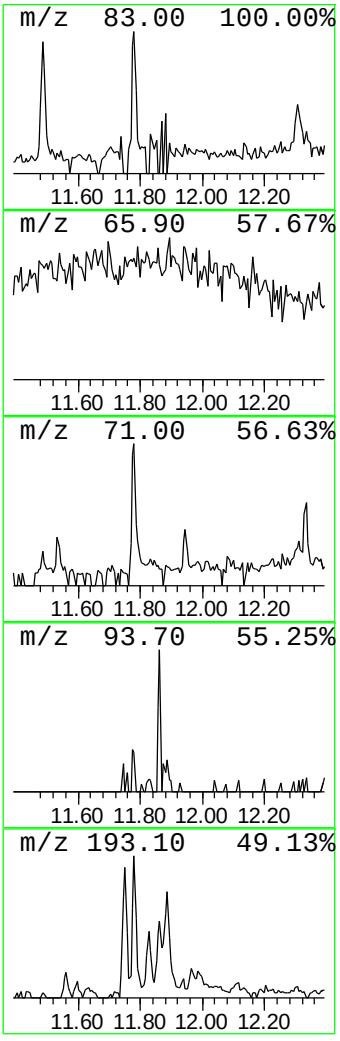
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	7.52 ng	96730	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
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ClientSampleId : 176-86-(0-2.5)

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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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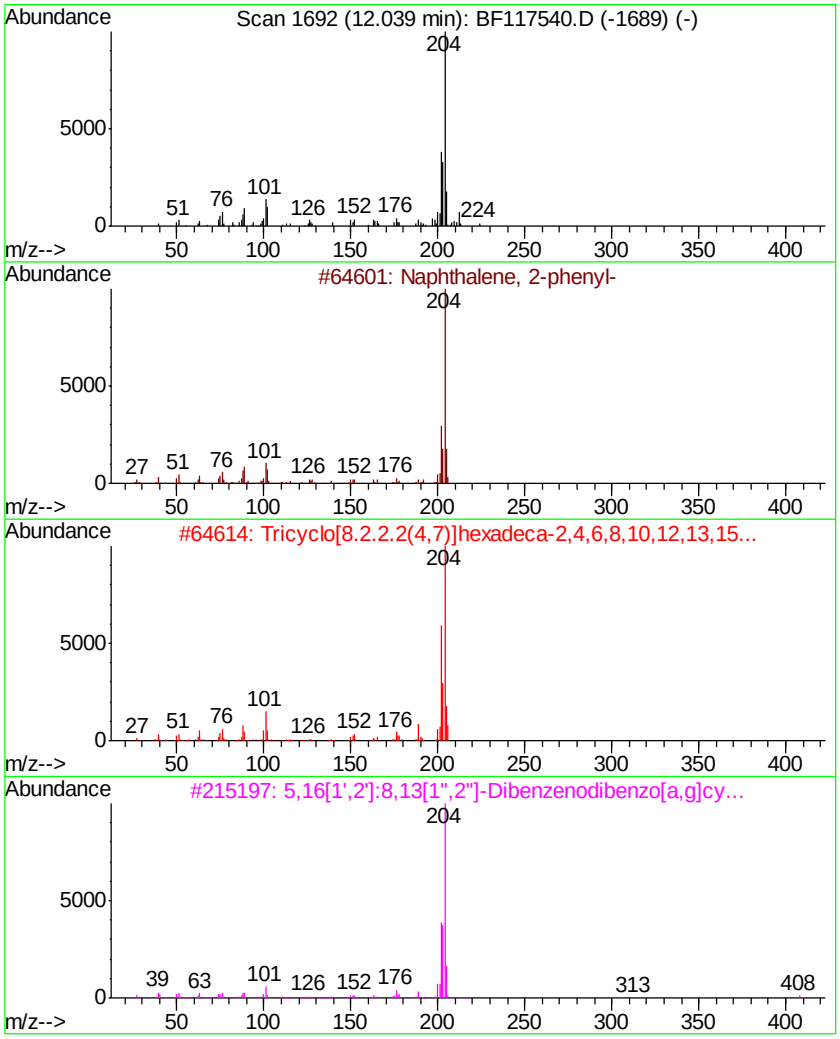
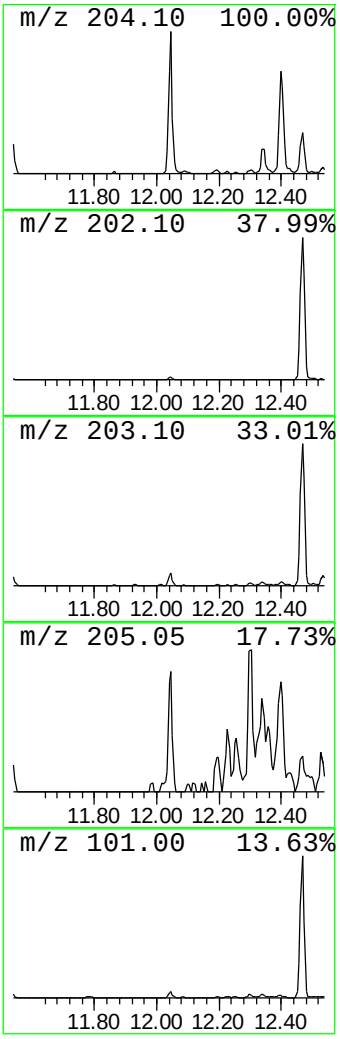
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.58 ng	84675	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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TIC Library : C:\DATABASE\NIST11.L
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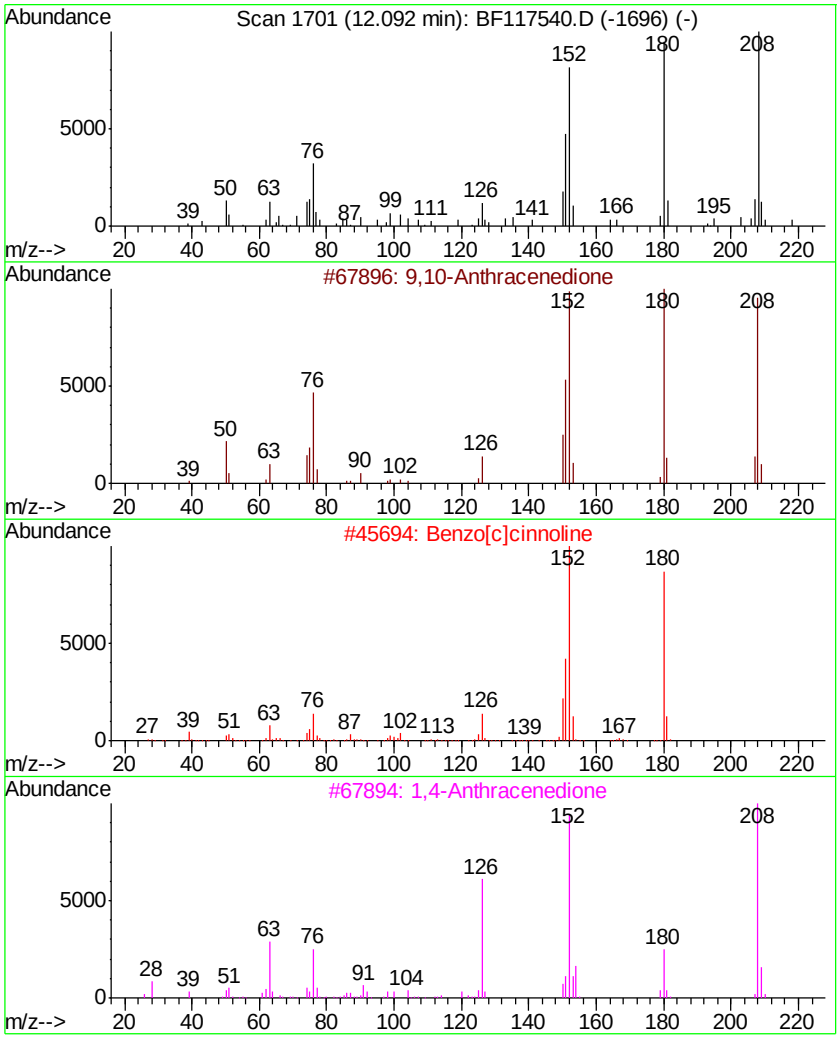
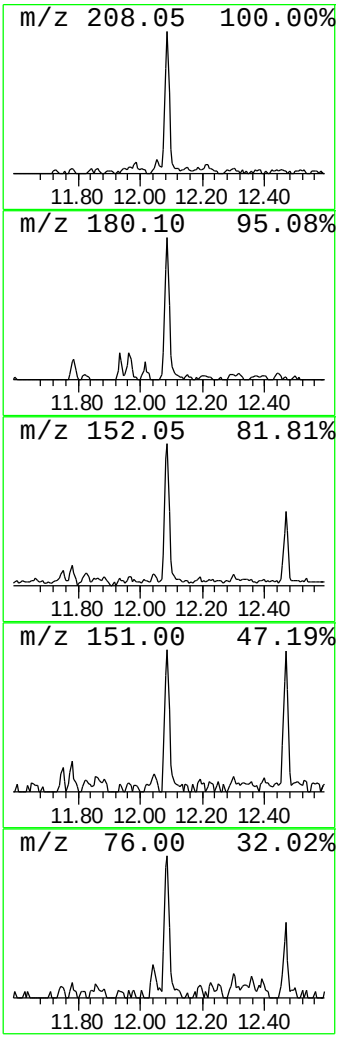
Peak Number 9 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	7.79 ng	100176	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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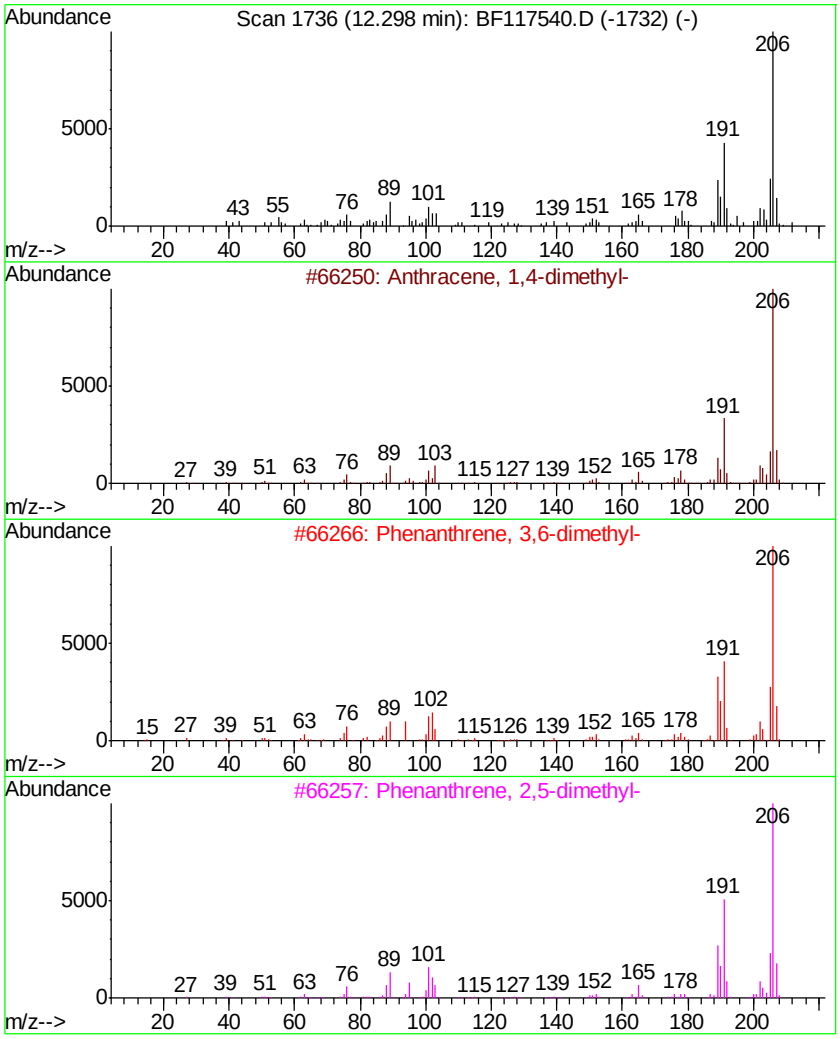
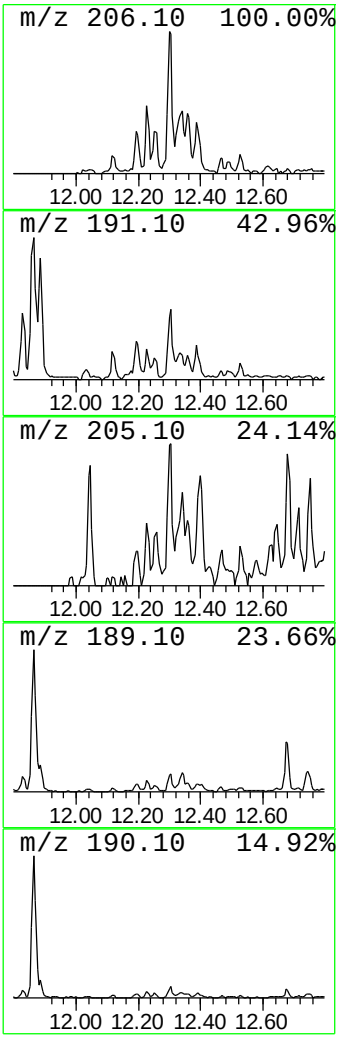
Peak Number 10 Anthracene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	9.51 ng	122364	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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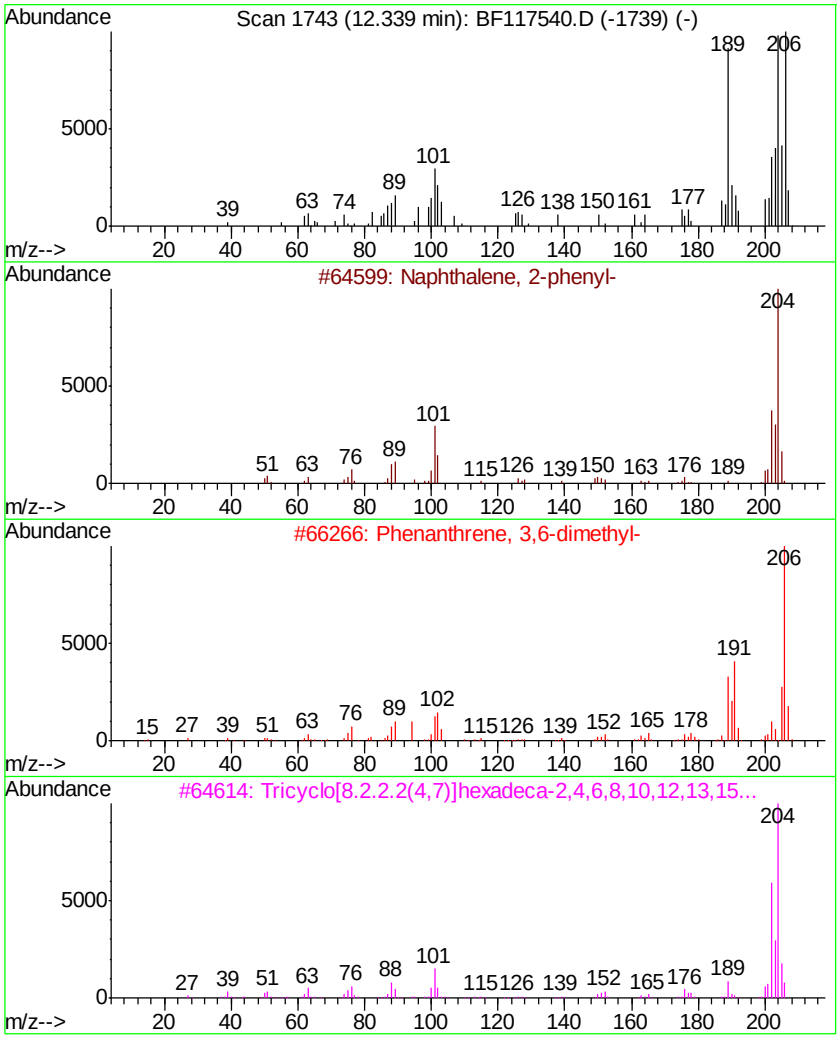
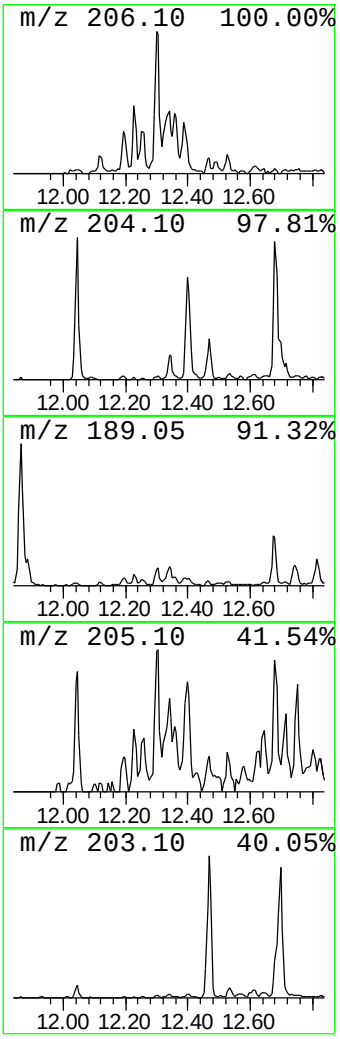
Peak Number 11 unknown12.34 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	6.39 ng	82141	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35
4	Levamisole	204	C11H12N2S	014769-73-4	30
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30





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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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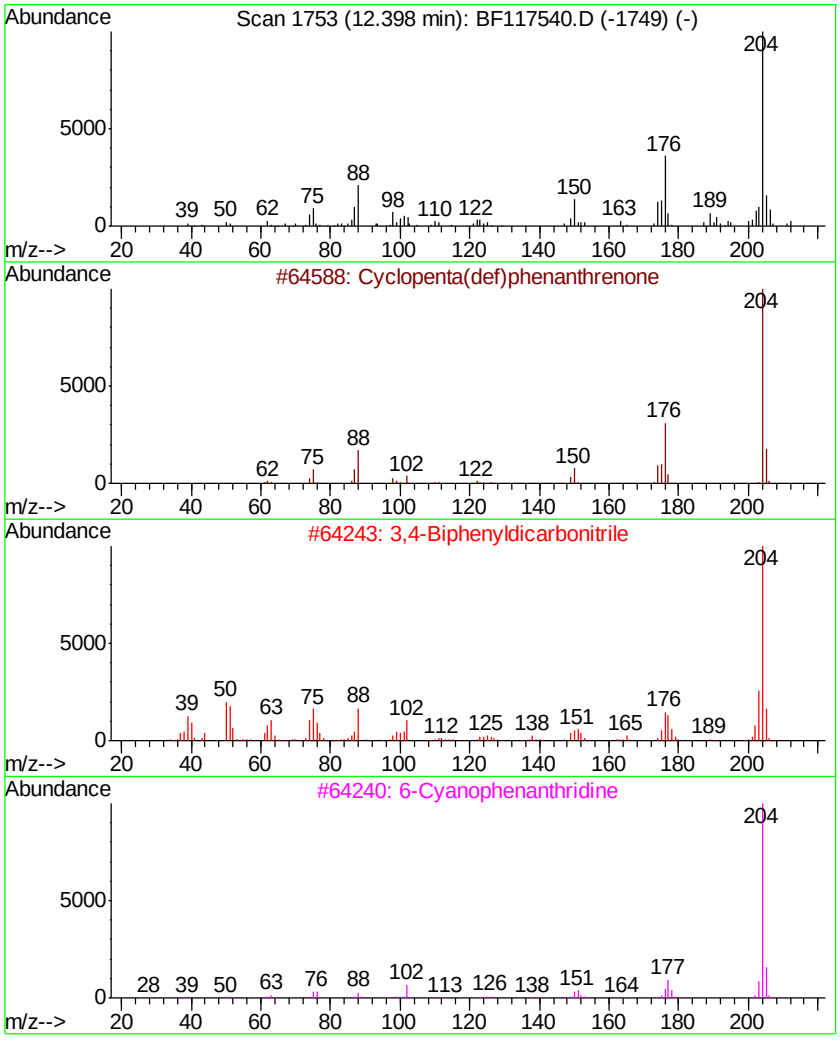
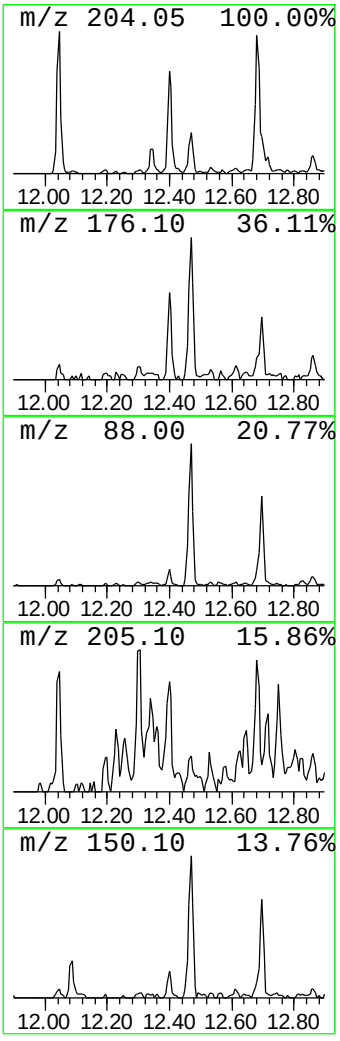
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	7.89 ng	101467	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47





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ALS Vial : 9 Sample Multiplier: 1

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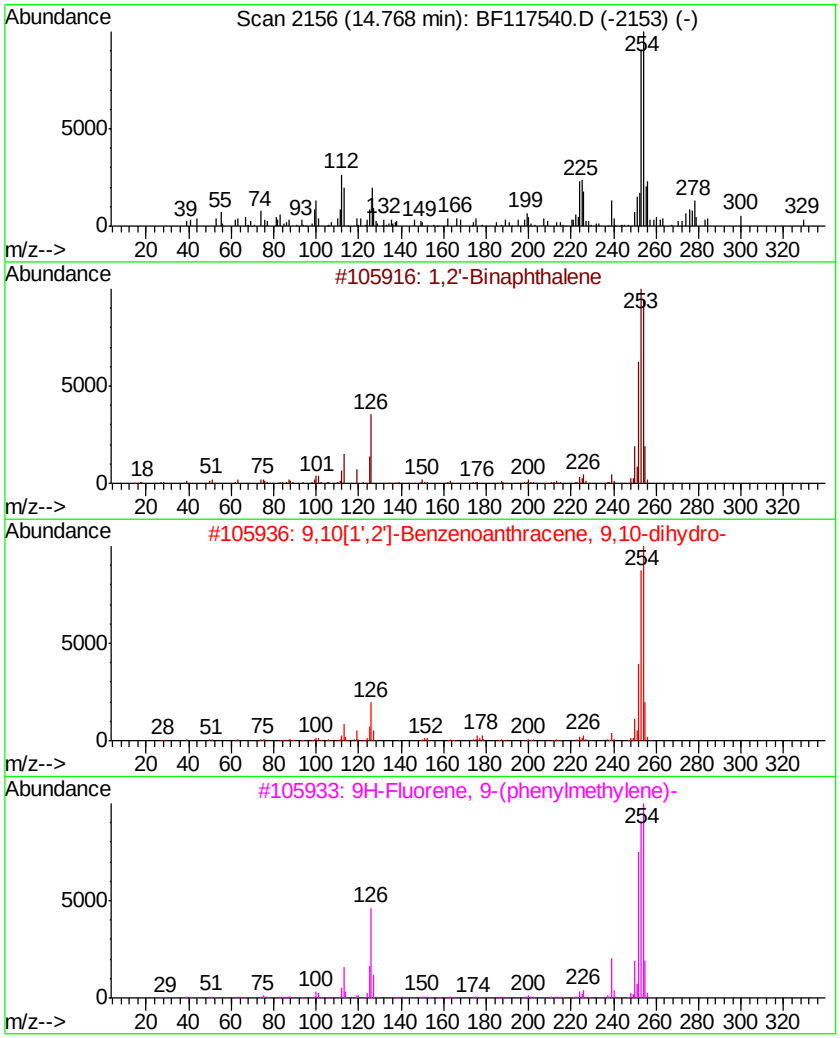
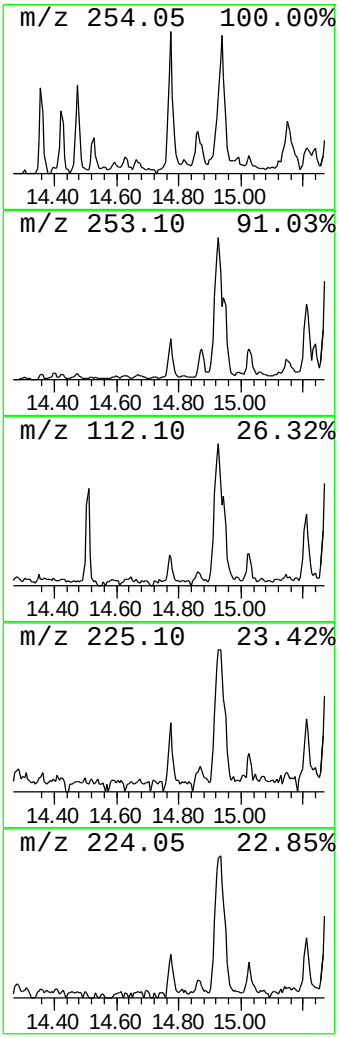
Peak Number 13 1,2'-Binaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	6.46 ng	81512	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	62
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	58
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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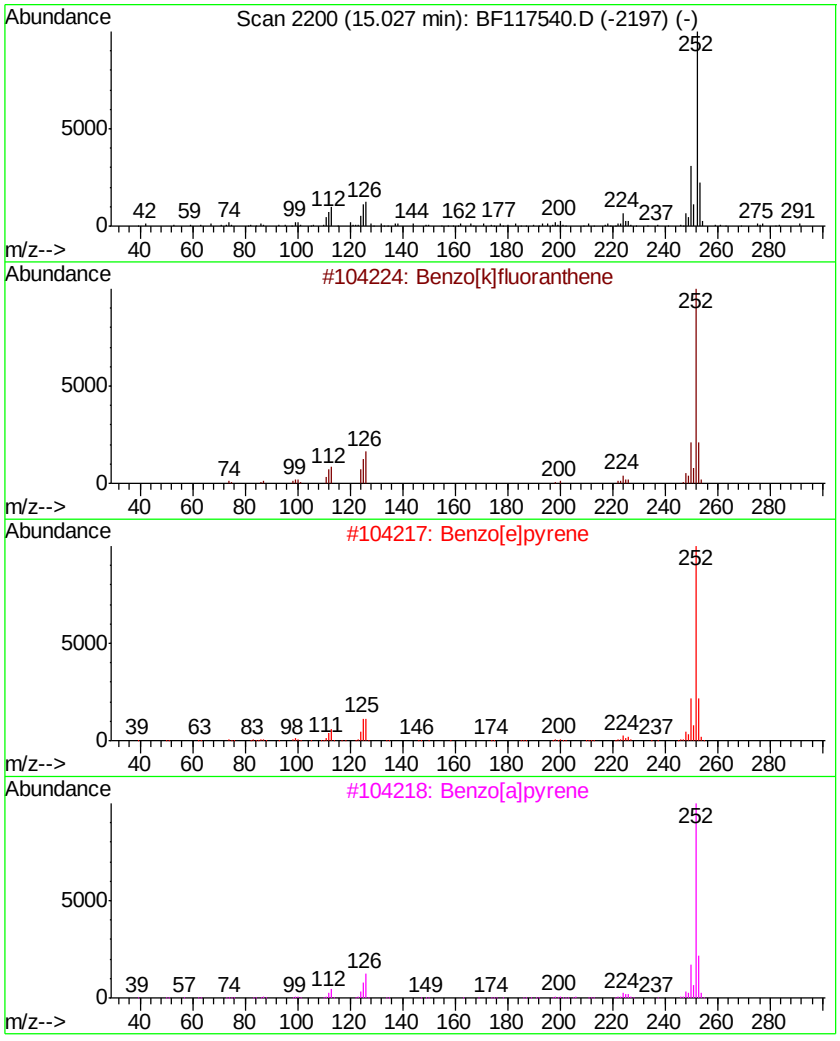
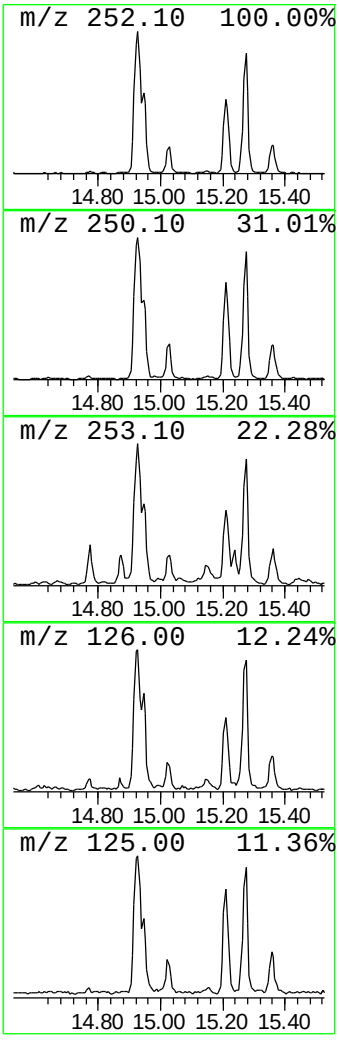
Peak Number 14 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	8.74 ng	110316	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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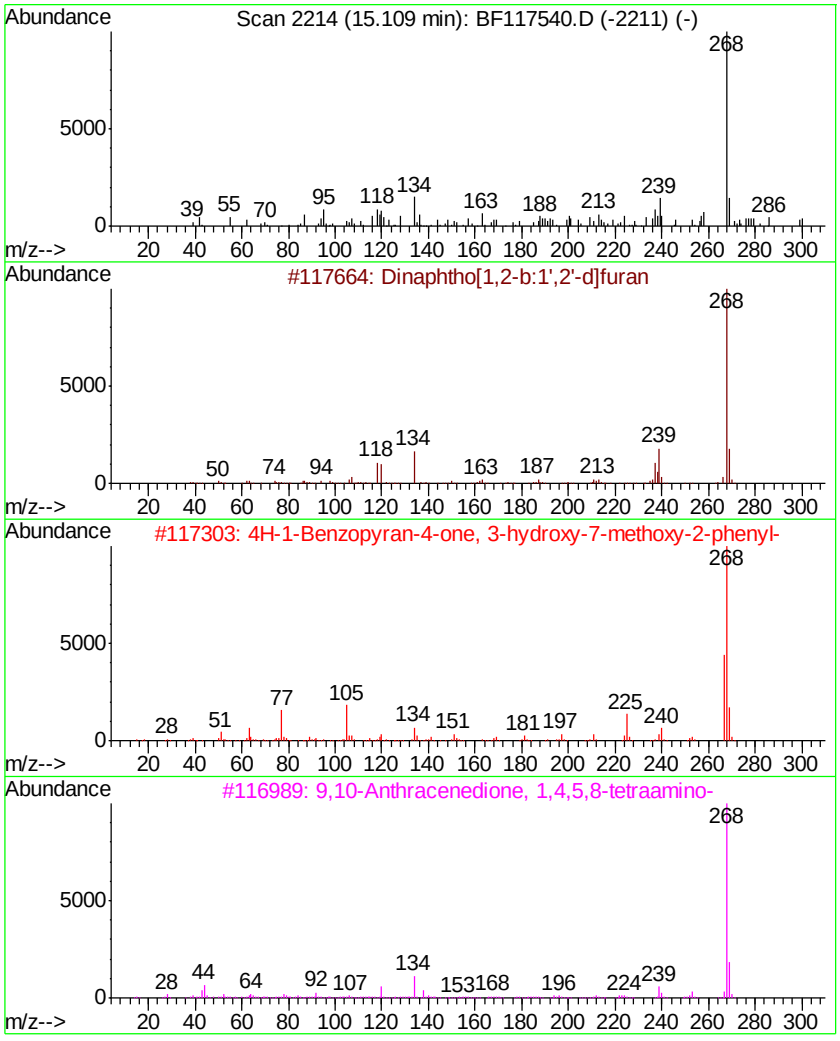
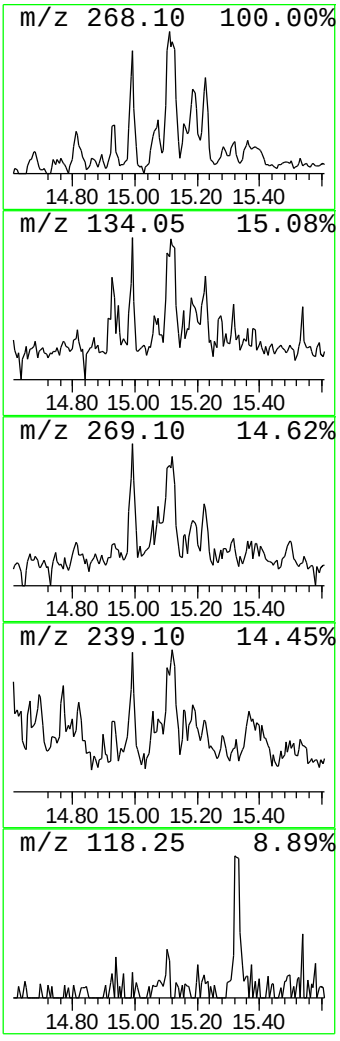
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	4.59 ng	57918	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	4H-1-Benzopyran-4-one, 3-hydroxy...	268	C16H12O4	007478-60-6	58
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
4	7,9-Diamino-5,6-dihydronaphtho[2...	268	C14H12N4S	037071-29-7	58
5	trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	53





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TIC Library : C:\DATABASE\NIST11.L
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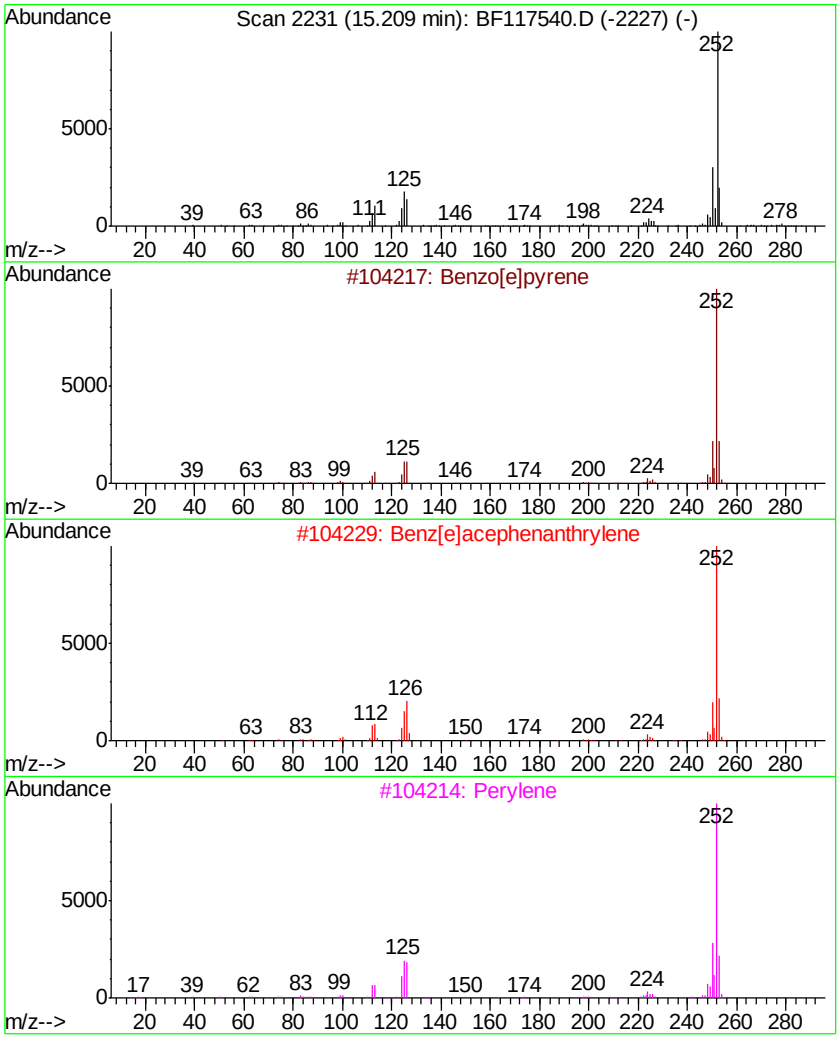
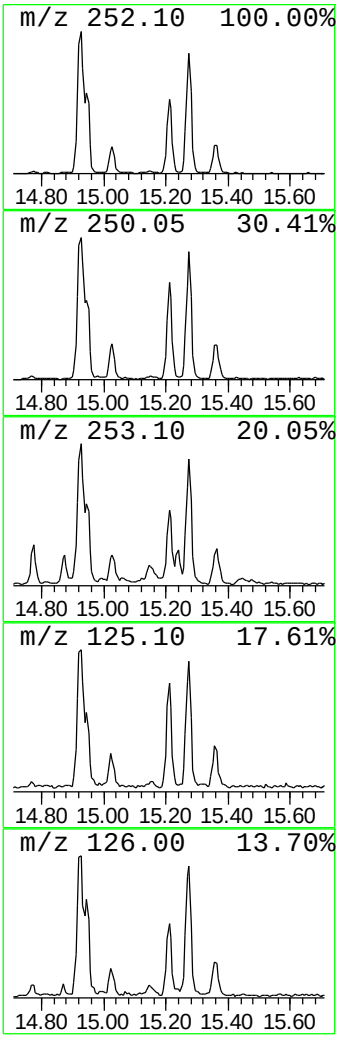
Peak Number 16 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	25.17 ng	317526	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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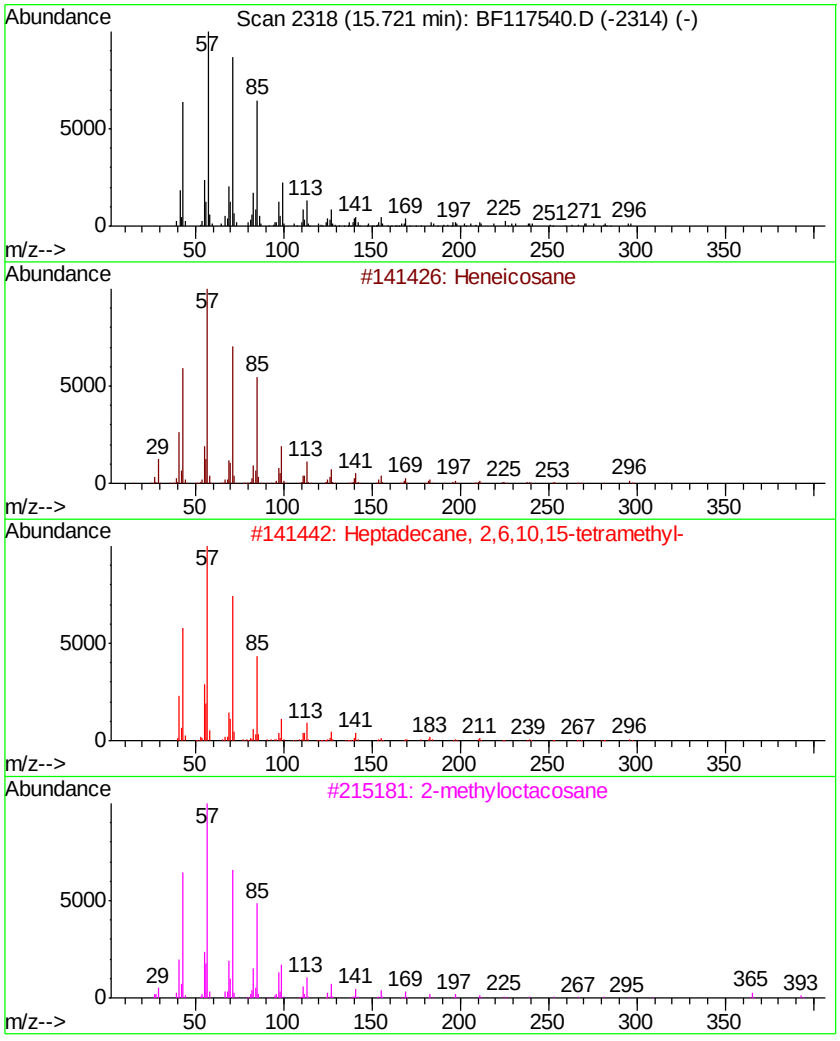
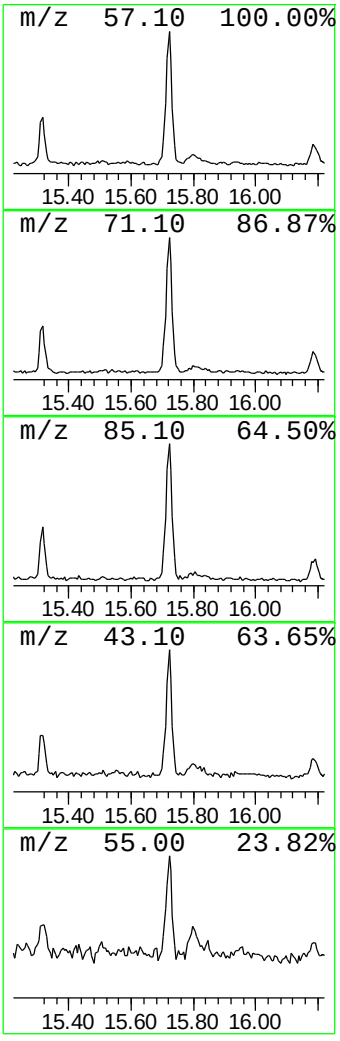
Peak Number 17 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	17.82 ng	224844	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	6,6-Diethylhoctadecane	310	C22H46	1000360-41-8	91
5	Triacontane	422	C30H62	000638-68-6	91





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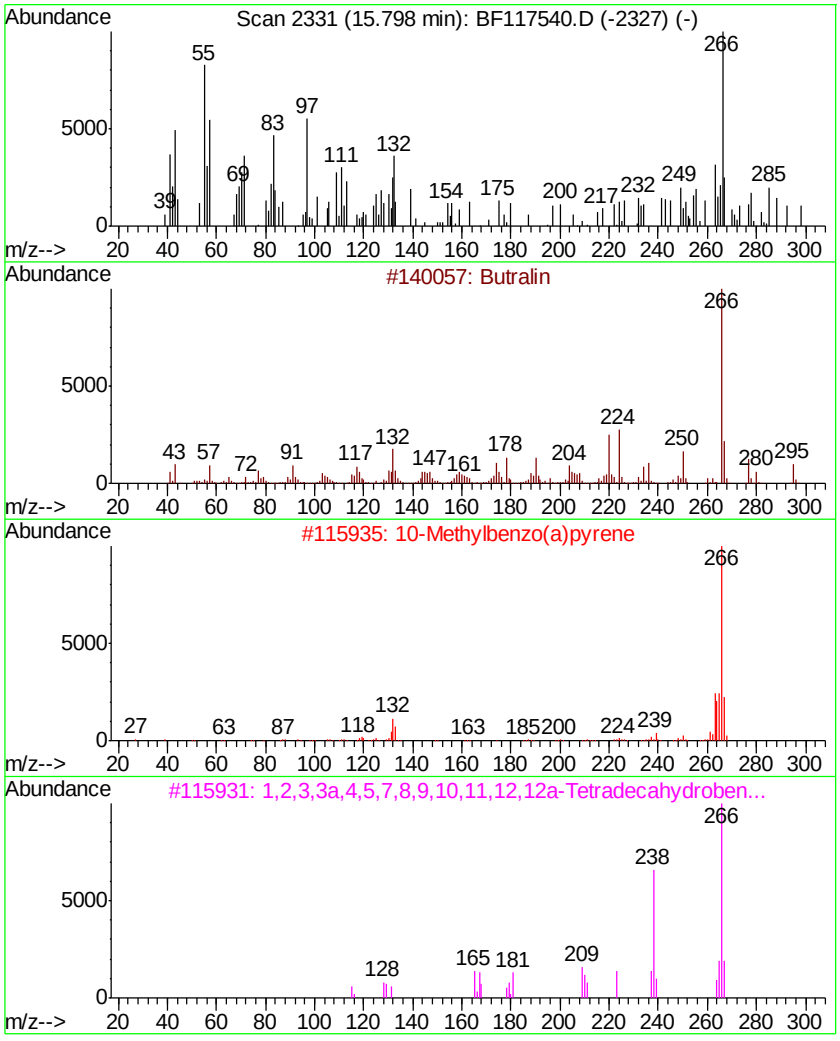
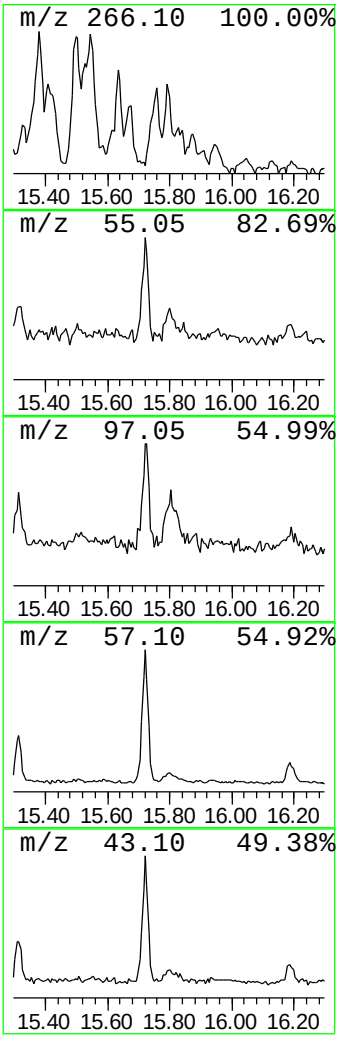
Peak Number 18 unknown15.80 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	6.11 ng	77127	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butralin	295	C14H21N3O4	033629-47-9	35
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	27
3	1,2,3,3a,4,5,7,8,9,10,11,12,12a-...	266	C20H26	095676-40-7	27
4	9,10-Anthracenedione, 1,4-bis(me...	266	C16H14N2O2	002475-44-7	27
5	9,10-Anthracenedione, 1,4-bis(am...	266	C16H14N2O2	077862-13-6	25





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ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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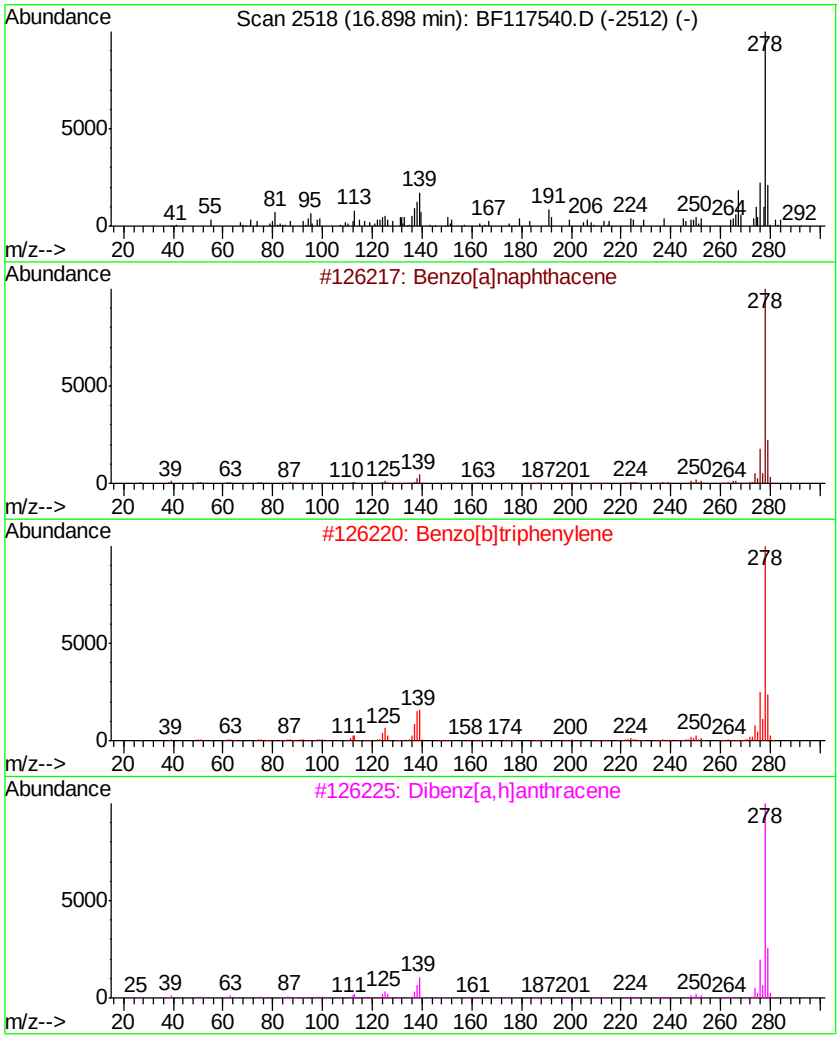
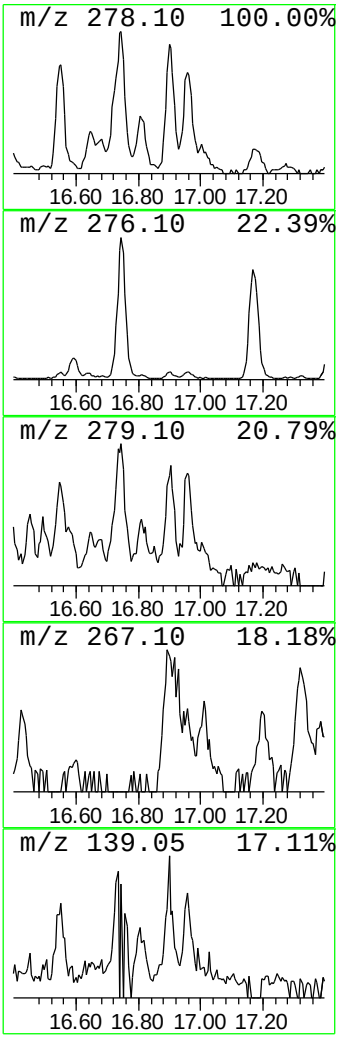
Peak Number 19 Benzo[a]naphthacene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	6.83 ng	86149	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	86
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83
4	Benzo[b]chrysene	278	C22H14	000214-17-5	83
5	Pentaphene	278	C22H14	000222-93-5	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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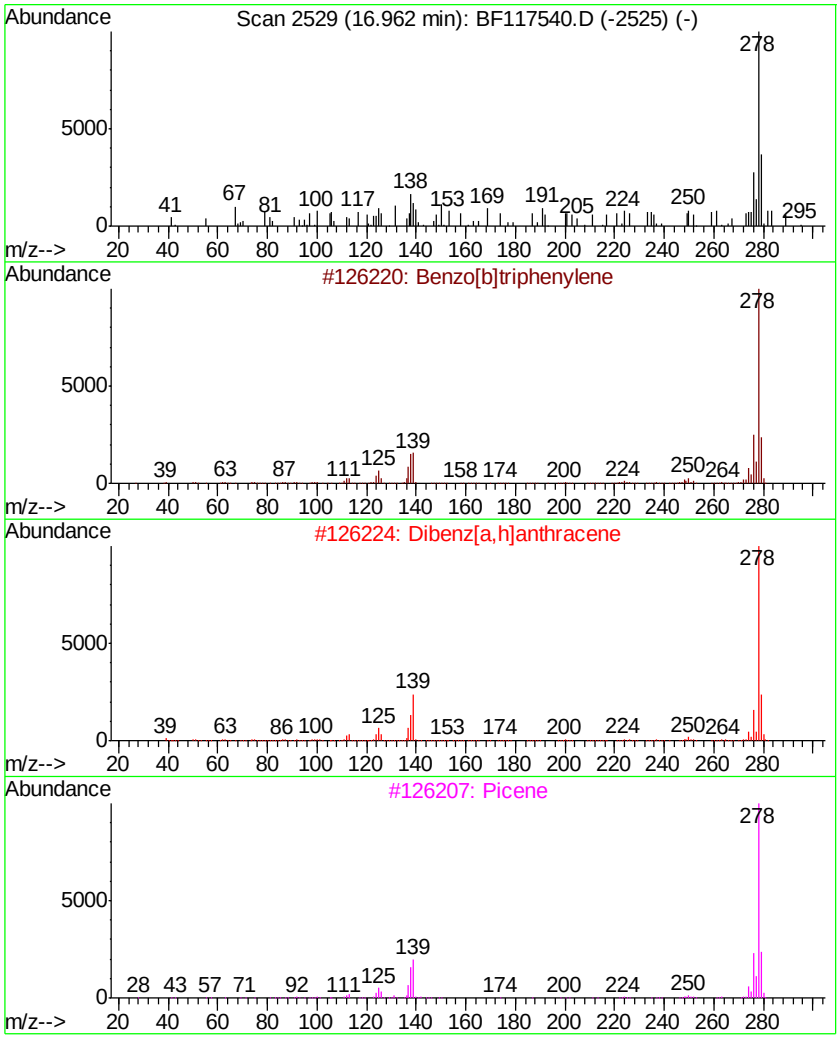
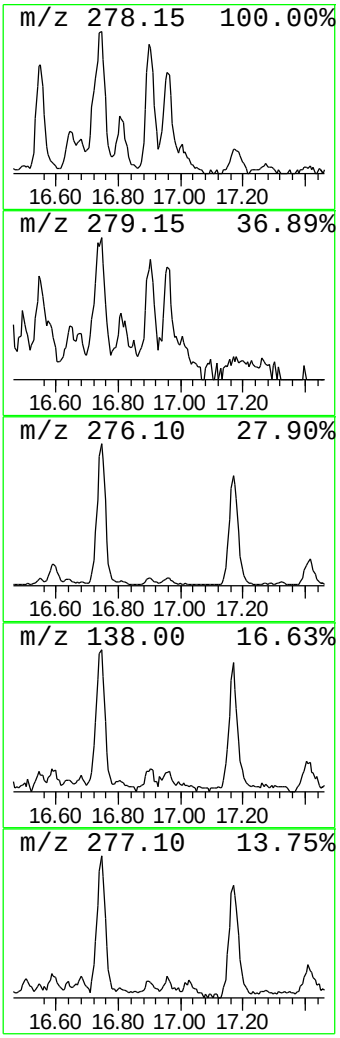
Peak Number 20 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	4.78 ng	60263	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	64
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	62
3	Picene	278	C22H14	000213-46-7	58
4	Pentacene	278	C22H14	000135-48-8	58
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102519\
Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.50	6.50	88.2	ng	815937	1	6.73	184972	20.0
Phenanthrene, 2-m...	11.75	10.5	ng	135236	4	11.25	257253	20.0
Phenanthrene, 1-m...	11.78	20.8	ng	266900	4	11.25	257253	20.0
4H-Cyclopenta[def...	11.86	18.1	ng	233245	4	11.25	257253	20.0
1H-Cyclopropa[l]p...	11.89	7.5	ng	96730	4	11.25	257253	20.0
Naphthalene, 2-ph...	12.04	6.6	ng	84675	4	11.25	257253	20.0
9,10-Anthracenedione	12.09	7.8	ng	100176	4	11.25	257253	20.0
Anthracene, 1,4-d...	12.30	9.5	ng	122364	4	11.25	257253	20.0
unknown12.34	12.34	6.4	ng	82141	4	11.25	257253	20.0
Cyclopenta(def)ph...	12.40	7.9	ng	101467	4	11.25	257253	20.0
1,2'-Binaphthalene	14.77	6.5	ng	81512	6	15.33	252328	20.0
Benzo[e]pyrene	15.03	8.7	ng	110316	6	15.33	252328	20.0
Dinaphtho[1,2-b:1...	15.11	4.6	ng	57918	6	15.33	252328	20.0
Perylene	15.21	25.2	ng	317526	6	15.33	252328	20.0
Heneicosane	15.72	17.8	ng	224844	6	15.33	252328	20.0
unknown15.80	15.80	6.1	ng	77127	6	15.33	252328	20.0
Benzo[a]naphthacene	16.90	6.8	ng	86149	6	15.33	252328	20.0
Benzo[b]triphenylene	16.96	4.8	ng	60263	6	15.33	252328	20.0