LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133600.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.045	496	503	510	rBV	35730	43401	1.20%	0.088%
2	5.445	566	571	574	rBV	2396455	2177956	60.13%	4.432%
3	6.463	739	744	750	rBV	2304769	2217179	61.21%	4.512%
4	6.833	804	807	811	rBV	966520	750097	20.71%	1.526%
5	7.398	899	903	906	rBV	1659218	1331357	36.75%	2.709%
6	8.116	1022	1025	1028	rBV	1052265	982543	27.12%	1.999%
7	8.139	1028	1029	1034	rVB	377662	214898	5.93%	0.437%
8	8.833	1144	1147	1150	rVB	151681	119263	3.29%	0.243%
9	8.927	1160	1163	1167	rVB	118142	101773	2.81%	0.207%
10	9.192	1205	1208	1212	rBV	2449797	2243242	61.93%	4.565%
11	9.292	1223	1225	1229	rVB2	48854	45064	1.24%	0.092%
12	9.457	1248	1253	1257	rBV2	55837	78598	2.17%	0.160%
13	9.533	1262	1266	1268	rBV	105252	96972	2.68%	0.197%
14	9.557	1268	1270	1273	rVV	63468	46850	1.29%	0.095%
15	9.733	1297	1300	1304	rBV	496527	410419	11.33%	0.835%
16	9.874	1321	1324	1327	rVB	1093499	842218	23.25%	1.714%
17	9.910	1327	1330	1333	rVB	300835	259519	7.16%	0.528%
18	10.080	1355	1359	1362	rVB	312242	269566	7.44%	0.549%
19	10.116	1362	1365	1370	rVB	43859	40579	1.12%	0.083%
20	10.192	1372	1378	1380	rBV3	68136	99294	2.74%	0.202%
21	10.421	1414	1417	1423	rVB	432554	369170	10.19%	0.751%
22	10.586	1442	1445	1449	rVB2	487279	451065	12.45%	0.918%
23	10.663	1454	1458	1462	rVV	1490095	1279632	35.33%	2.604%
24	10.710	1462	1466	1470	rVB2	38606	51714	1.43%	0.105%
25	10.786	1474	1479	1486	rVB5	68281	95449	2.63%	0.194%
26	10.974	1504	1511	1513	rBV4	90680	138465	3.82%	0.282%
27	10.998	1513	1515	1518	rVB2	47770	40032	1.11%	0.081%
28	11.098	1528	1532	1534	rBV3	67975	75508	2.08%	0.154%
29	11.121	1534	1536	1538	rVV2	86748	77965	2.15%	0.159%
30	11.168	1541	1544	1548	rVB	307081	264005	7.29%	0.537%
31	11.221	1548	1553	1557	rBV4	79379	155016	4.28%	0.315%
32	11.257	1557	1559	1565	rVB	211906	206221	5.69%	0.420%
33	11.363	1574	1577	1579	rBV	762801	770869	21.28%	1.569%
34	11.392	1579	1582	1585	rVV	3199311	2851228	78.71%	5.802%
35	11.439	1587	1590	1593	rVV	783216	640669	17.69%	1.304%
36	11.468	1593	1595	1599	rVB2	96206	90598	2.50%	0.184%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.592	1610	1616	1619	rBV2	522020	507553	14.01%	1.033%
38	11.662	1625	1628	1631	rVB2	75452	63858	1.76%	0.130%
39	11.698	1631	1634	1637	rBV3	80435	78089	2.16%	0.159%
40	11.774	1645	1647	1652	rVB2	40722	43493	1.20%	0.089%
41	11.868	1657	1663	1665	rBV	409425	397142	10.96%	0.808%
42	11.892	1665	1667	1672	rVV	709046	657168	18.14%	1.337%
43	11.939	1672	1675	1678	rVV	189539	189448	5.23%	0.386%
44	11.980	1678	1682	1684	rVV	701497	691930	19.10%	1.408%
45	11.998	1684	1685	1689	rVB	259625	207089	5.72%	0.421%
46	12.045	1690	1693	1695	rBV	67688	70678	1.95%	0.144%
47	12.068	1695	1697	1700	rVV	94651	88635	2.45%	0.180%
48	12.127	1704	1707	1710	rVV3	31073	45309	1.25%	0.092%
49	12.162	1710	1713	1715	rVV	341558	291867	8.06%	0.594%
50	12.186	1715	1717	1721	rVB	440038	335560	9.26%	0.683%
51	12.315	1736	1739	1741	rVB	89944	70410	1.94%	0.143%
52	12.345	1741	1744	1746	rBV	97030	73098	2.02%	0.149%
53	12.368	1746	1748	1750	rVB	90219	67018	1.85%	0.136%
54	12.421	1750	1757	1760	rBV	238956	297284	8.21%	0.605%
55	12.457	1760	1763	1765	rVV	133523	145517	4.02%	0.296%
56	12.504	1768	1771	1777	rVB	328760	327842	9.05%	0.667%
57	12.586	1781	1785	1788	rVB	3486657	3590305	99.11%	7.306%
58	12.645	1788	1795	1797	rBV3	88524	133522	3.69%	0.272%
59	12.674	1797	1800	1803	rVB	289460	234524	6.47%	0.477%
60	12.715	1803	1807	1808	rBV	83806	103898	2.87%	0.211%
61	12.733	1808	1810	1813	rVV	111439	96334	2.66%	0.196%
62	12.815	1817	1824	1828	rBV2	3073455	3622364	100.00%	7.371%
63	12.857	1828	1831	1836	rVB2	187755	200936	5.55%	0.409%
64	12.927	1840	1843	1845	rBV	245185	243437	6.72%	0.495%
65	12.957	1845	1848	1854	rVB2	1676642	1769591	48.85%	3.601%
66	13.033	1855	1861	1864	rBV2	257535	443121	12.23%	0.902%
67	13.057	1864	1865	1868	rVB	89509	60618	1.67%	0.123%
68	13.115	1871	1875	1877	rVV4	184262	262526	7.25%	0.534%
69	13.139	1877	1879	1882	rVB	423604	338823	9.35%	0.689%
70	13.168	1882	1884	1886	rBV2	57443	60279	1.66%	0.123%
71	13.204	1888	1890	1892	rVV	216988	157592	4.35%	0.321%
72	13.245	1892	1897	1899	rVV2	348622	418737	11.56%	0.852%
73	13.268	1899	1901	1904	rVB	86854	74325	2.05%	0.151%
74	13.298	1904	1906	1909	rBV	80698	76236	2.10%	0.155%
75	13.333	1909	1912	1915	rVB	187709	156985	4.33%	0.319%
76	13.362	1915	1917	1921	rBV2	179126	203057	5.61%	0.413%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB03

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.545	1940	1948	1950	rBV6	103474	262584	7.25%	0.534%
78	13.645	1962	1965	1969	rVB	497535	438781	12.11%	0.893%
79	13.709	1974	1976	1979	rVB	73379	59348	1.64%	0.121%
80	13.756	1980	1984	1987	rBV2	315256	435674	12.03%	0.887%
81	13.786	1987	1989	1991	rVV	295446	224399	6.19%	0.457%
82	13.809	1991	1993	1998	rVV2	209315	295496	8.16%	0.601%
83	13.856	1998	2001	2004	rVB	391060	359101	9.91%	0.731%
84	14.004	2022	2026	2030	rBV2	1597527	2137757	59.02%	4.350%
85	14.039	2030	2032	2038	rVB	1489542	1296241	35.78%	2.638%
86	14.115	2043	2045	2047	rVB	118988	80129	2.21%	0.163%
87	14.151	2049	2051	2054	rBV	140036	139916	3.86%	0.285%
88	14.233	2061	2065	2068	rBV2	138398	181522	5.01%	0.369%
89	14.362	2085	2087	2088	rBV	89406	72196	1.99%	0.147%
90	14.398	2090	2093	2096	rVV	325200	317339	8.76%	0.646%
91	14.433	2096	2099	2102	rVB2	198222	186845	5.16%	0.380%
92	14.521	2112	2114	2116	rBV	144823	119025	3.29%	0.242%
93	15.056	2200	2205	2208	rBV2	1032823	1766524	48.77%	3.595%
94	15.156	2219	2222	2226	rVB	248610	261756	7.23%	0.533%
95	15.356	2252	2256	2261	rVB	584818	802162	22.14%	1.632%
96	15.415	2262	2266	2272	rBV	846639	1034501	28.56%	2.105%
97	15.480	2273	2277	2279	rVV	272892	360488	9.95%	0.734%
98	15.509	2279	2282	2289	rVB2	272828	392355	10.83%	0.798%
99	16.939	2520	2525	2534	rVB2	317053	639384	17.65%	1.301%
100	17.380	2596	2600	2613	rVB	219561	455320	12.57%	0.927%

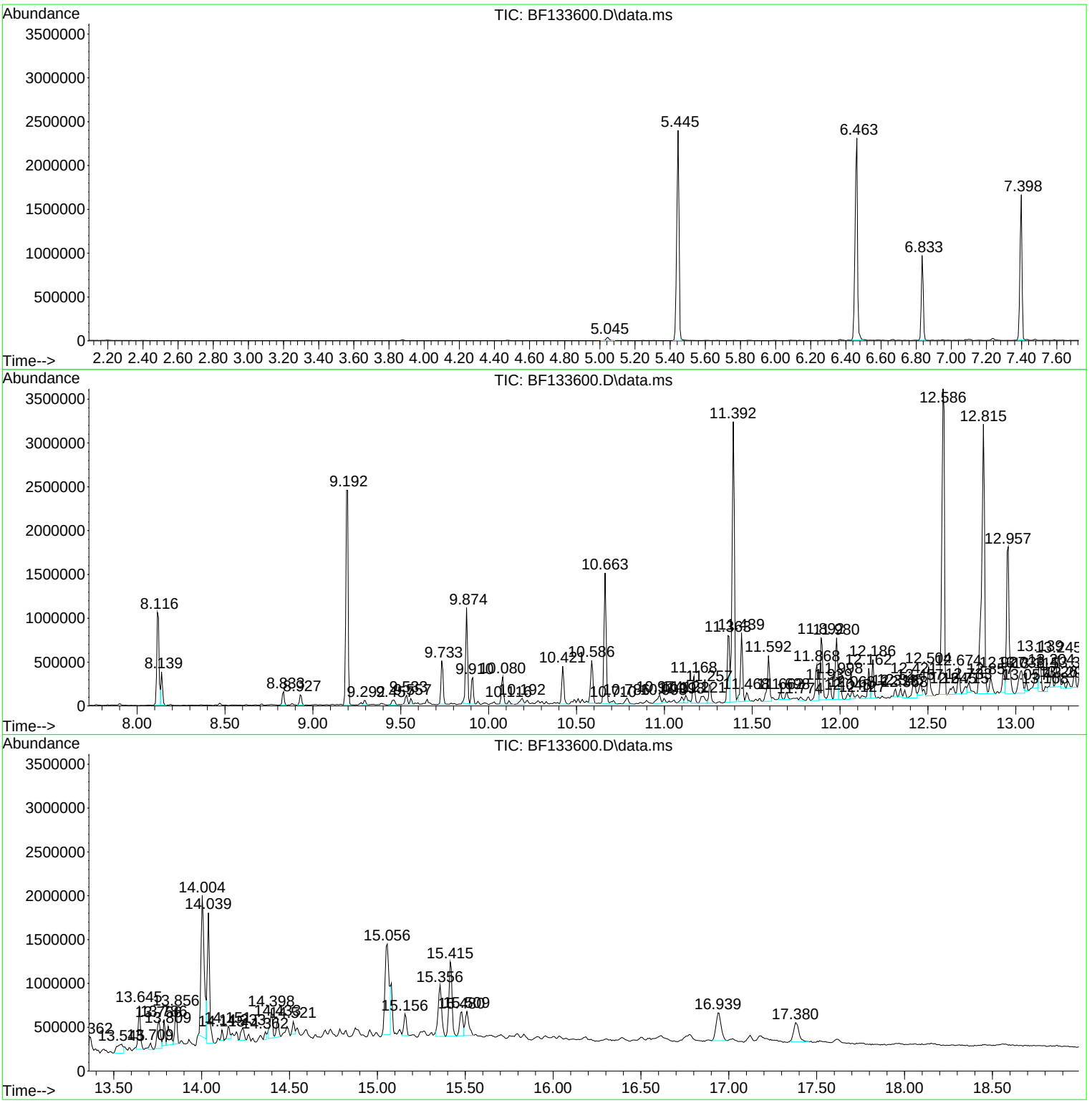
Sum of corrected areas: 49143435

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
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Sample : 03002-06
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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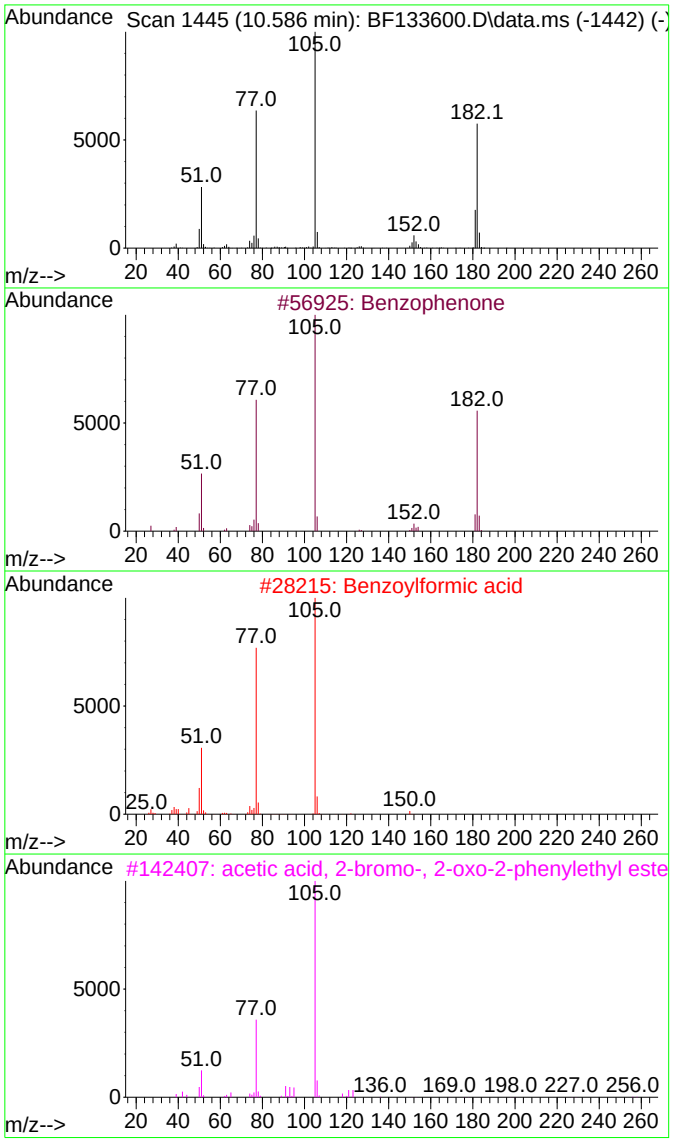
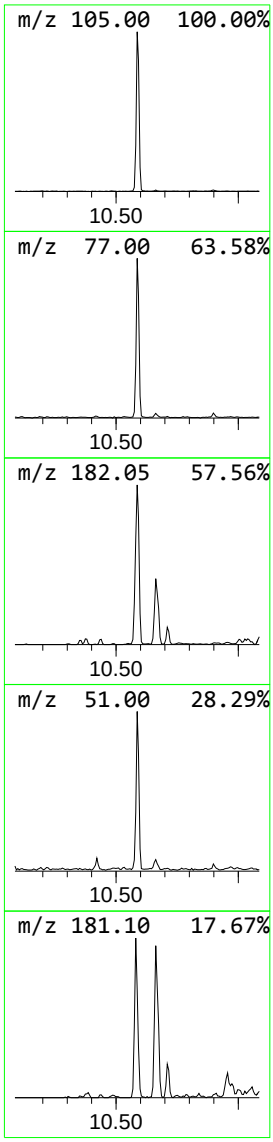
Peak Number 1 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.586	10.71 ng	451065	Acenaphthene-d10	9.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzoylformic acid	150	C8H6O3	000611-73-4	49
3	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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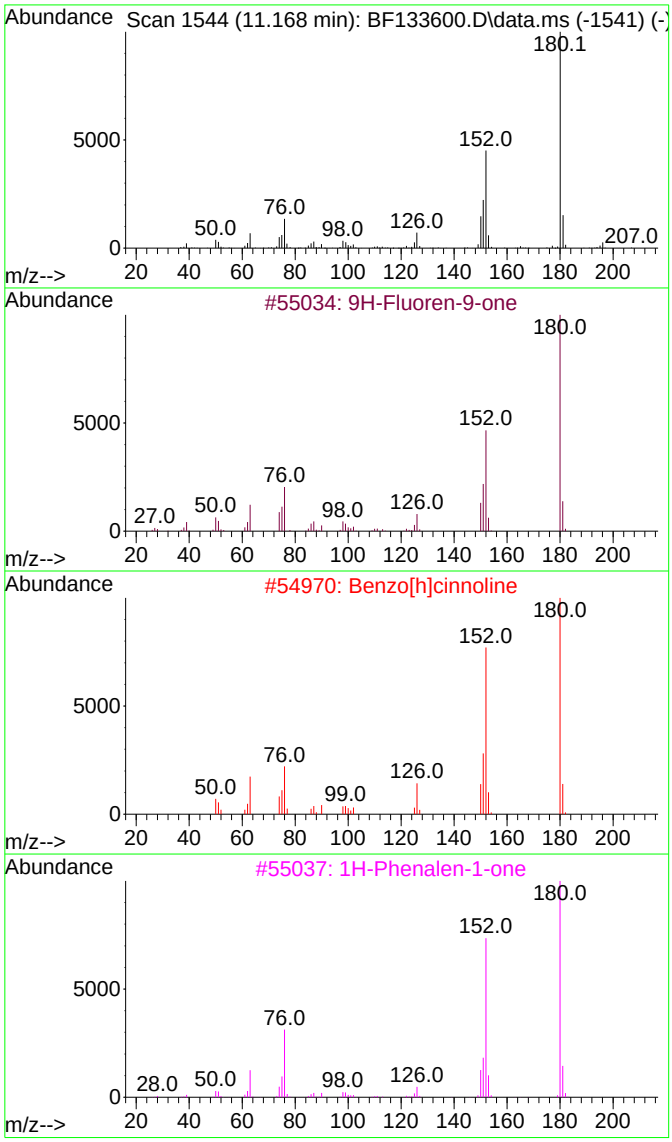
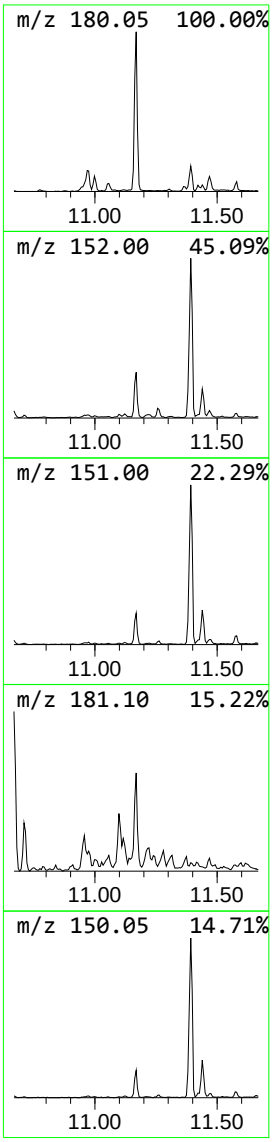
Peak Number 2 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.168	6.85 ng	264005	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	Benzo(f)quinoxaline	180	C12H8N2	000230-33-1	43
5	Phenazine	180	C12H8N2	000092-82-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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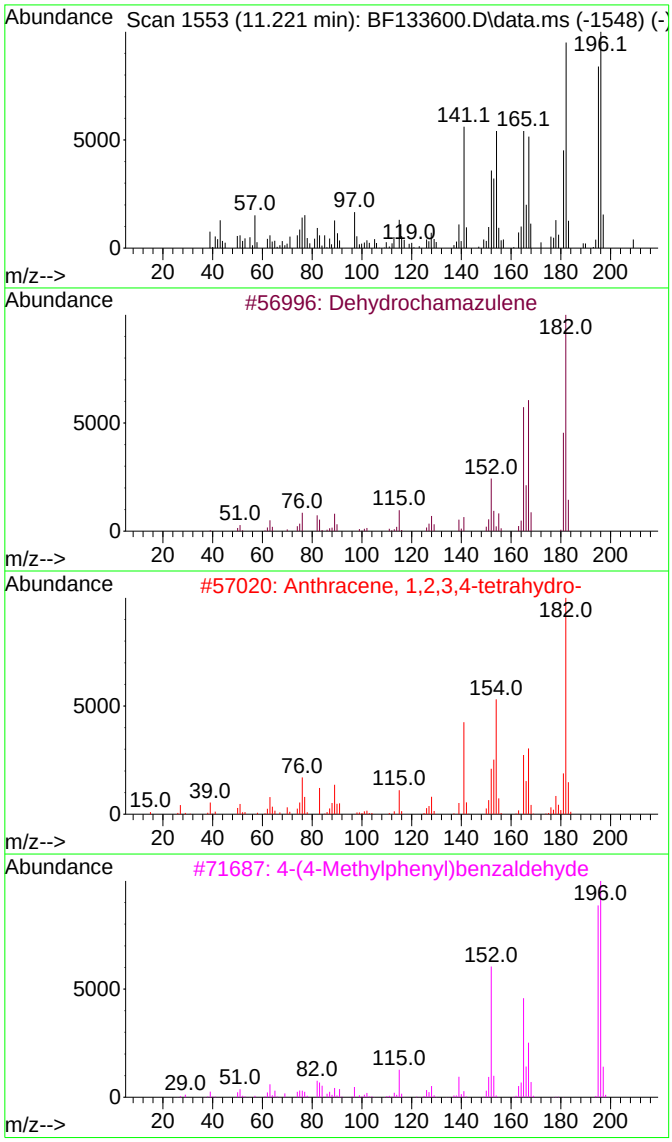
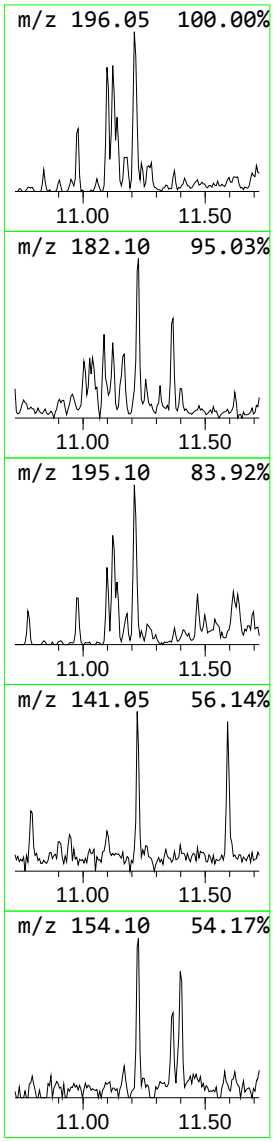
Peak Number 3 Dehydrochamazulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.221	4.02 ng	155016	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydrochamazulene	182	C14H14	321732-25-6	86
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
3	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	64
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	56
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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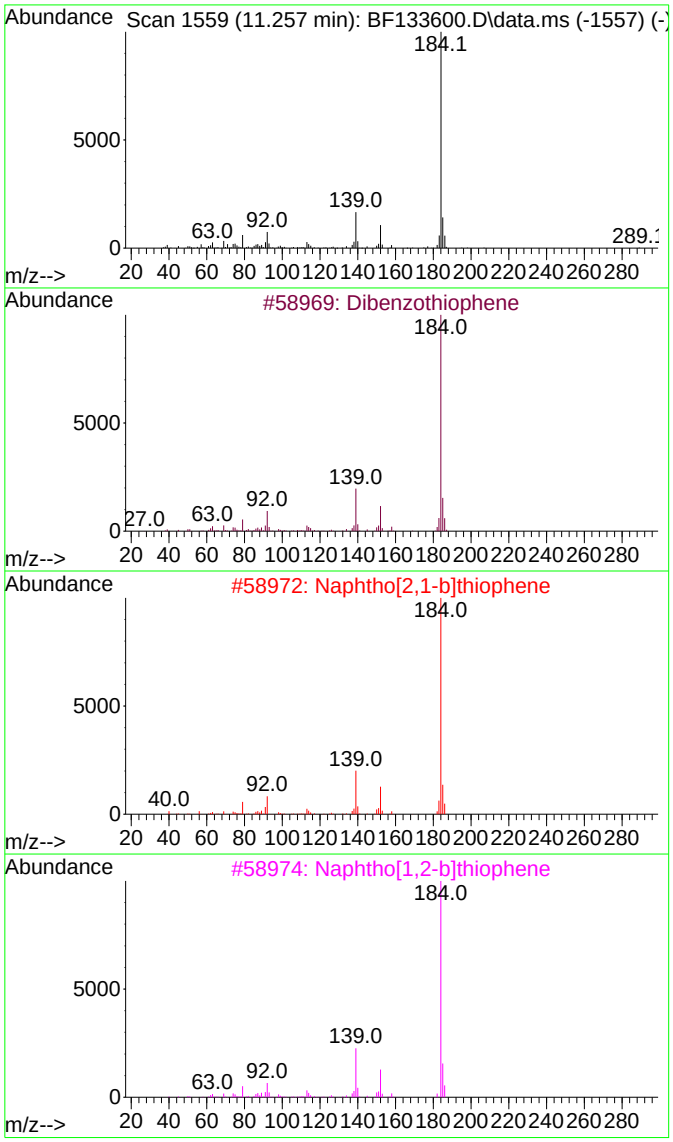
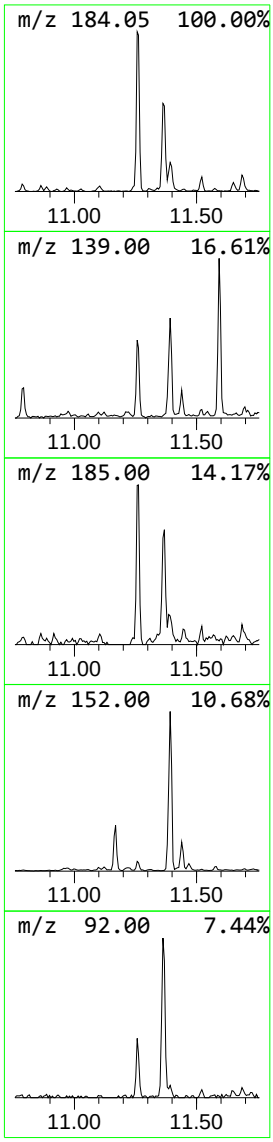
Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	5.35 ng	206221	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

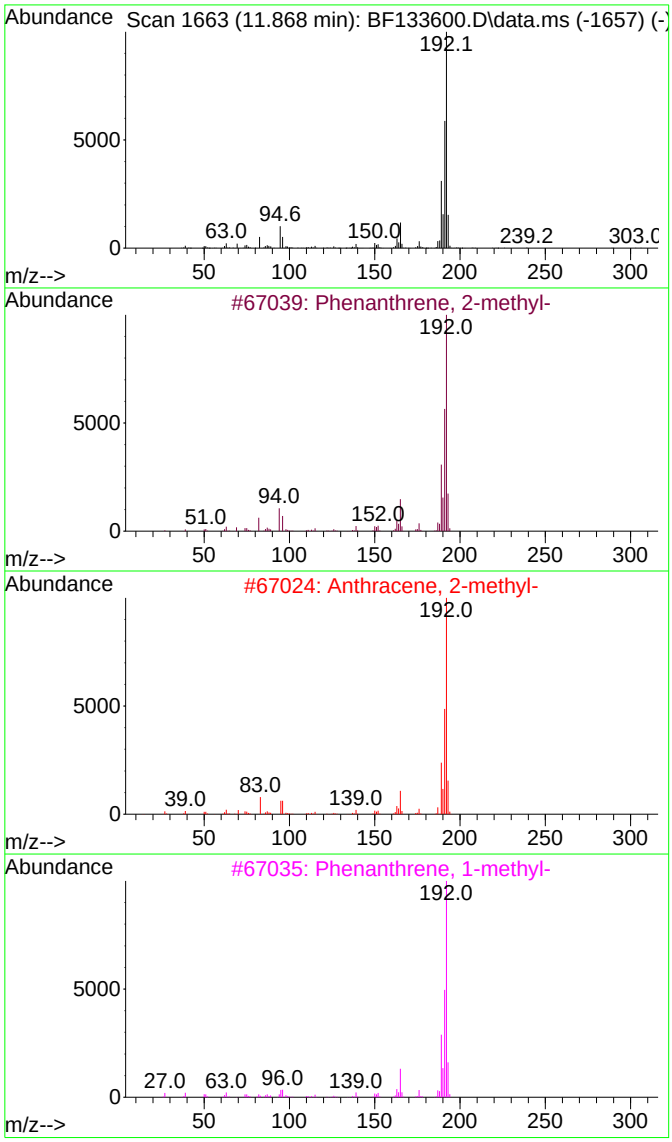
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

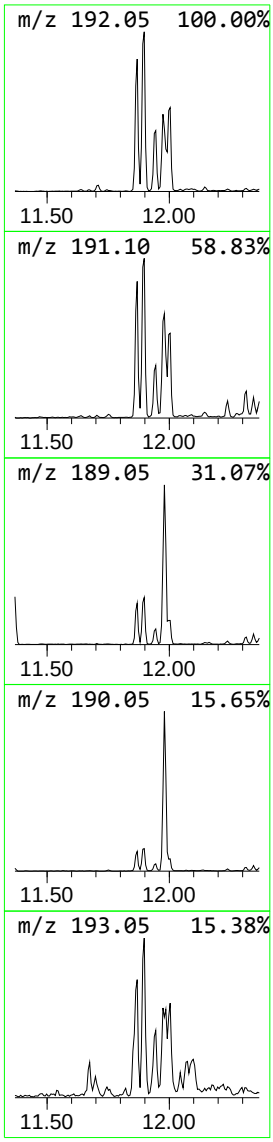
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.868	10.30 ng	397142	Phenanthrene-d10	11.368

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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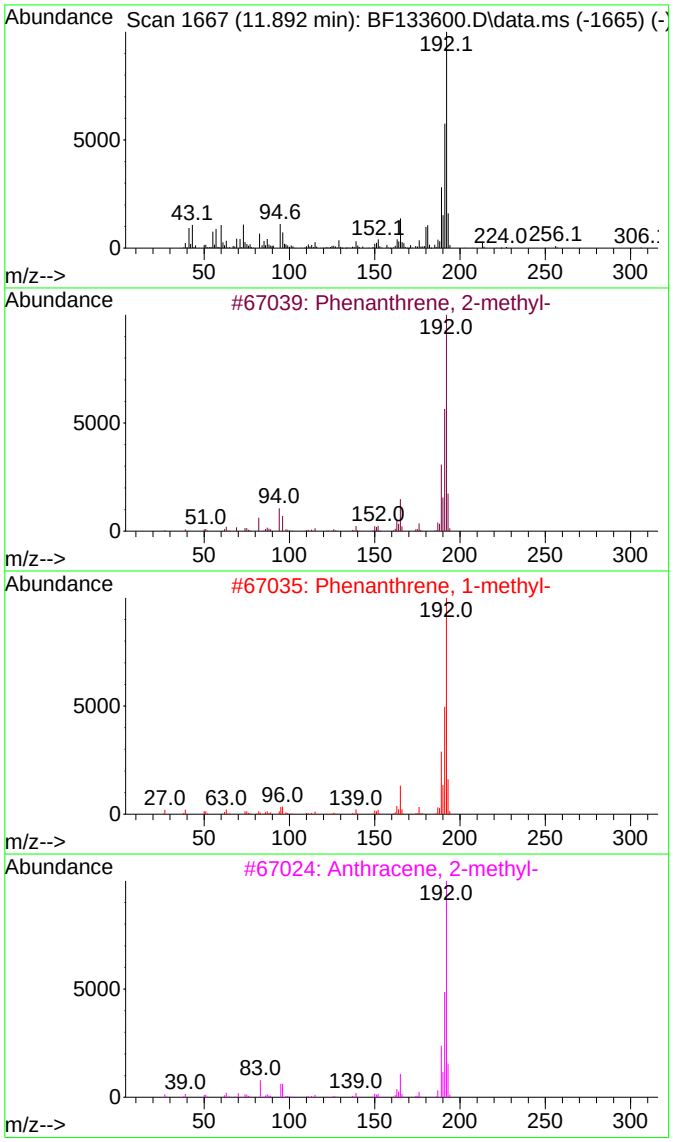
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

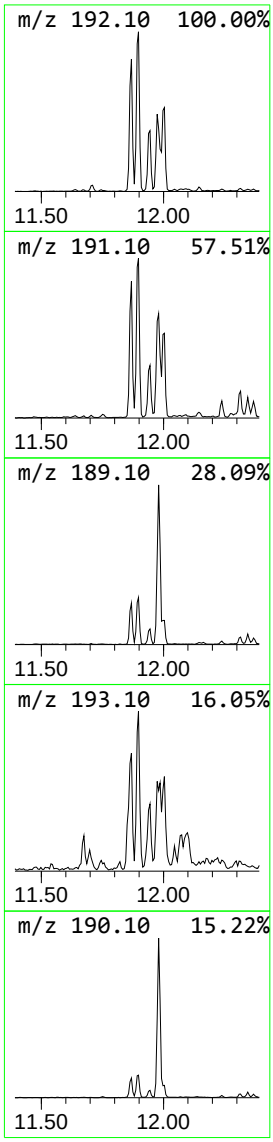
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	17.05 ng	657168	Phenanthrene-d10	11.368

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

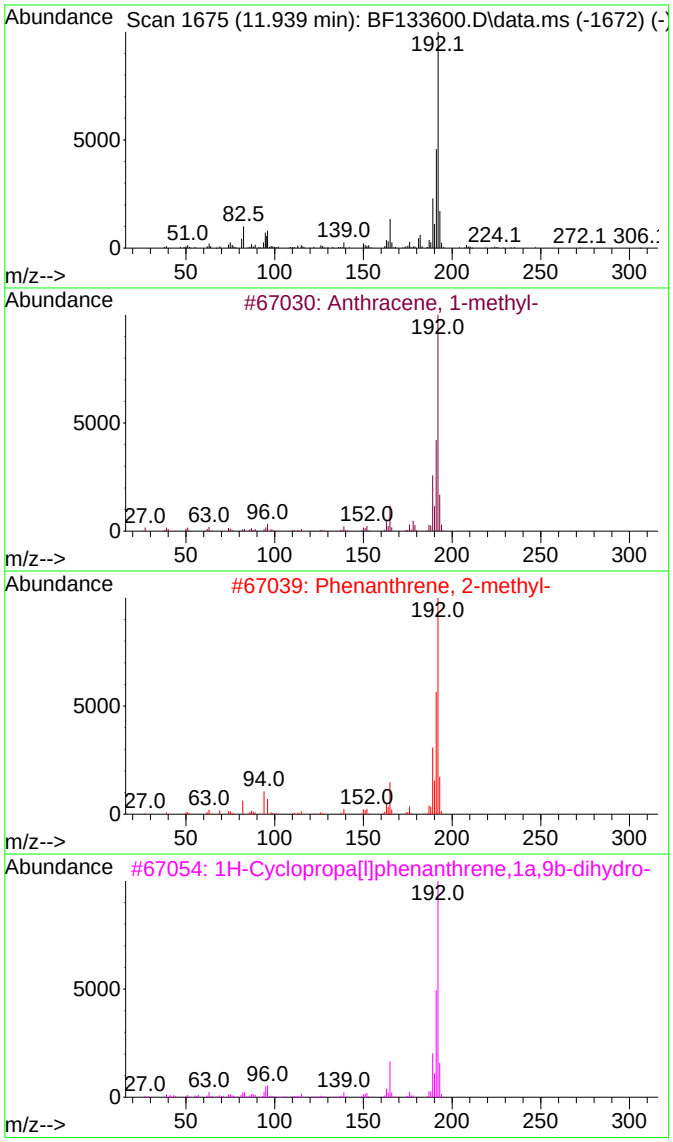
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

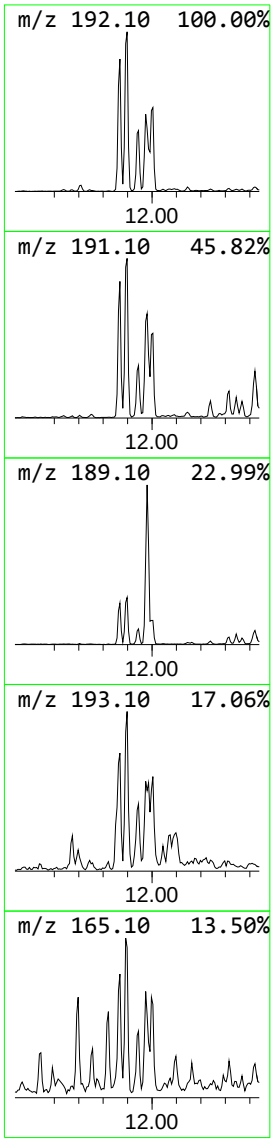
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	4.92 ng	189448	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Misc :
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Instrument :
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ClientSampleId :
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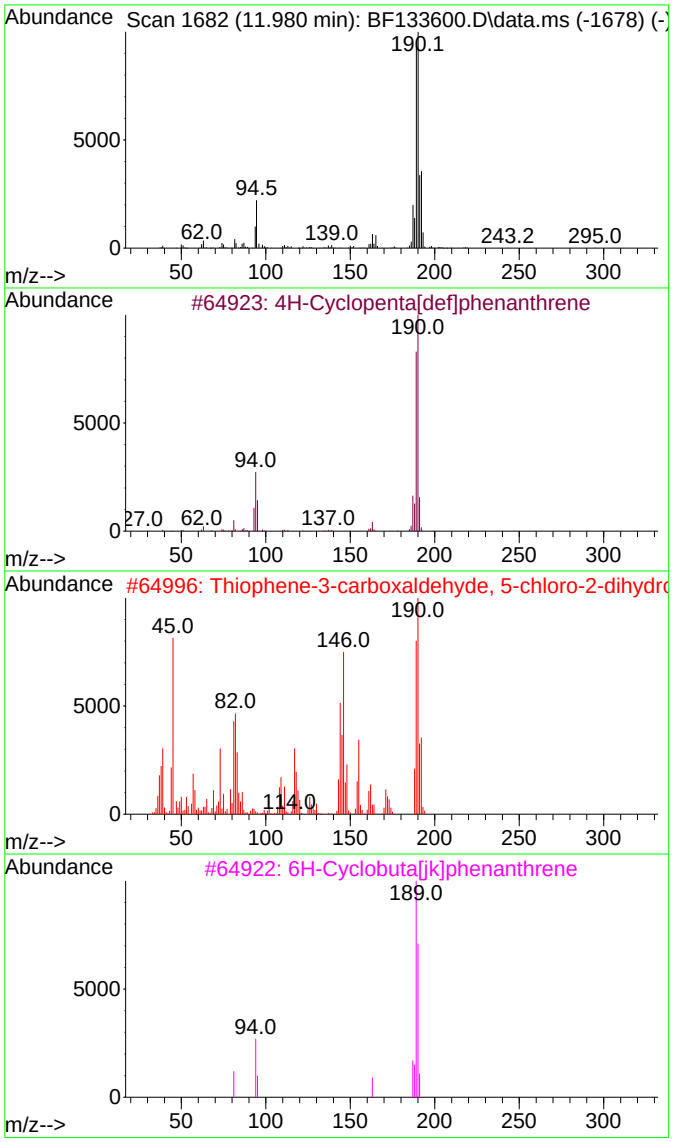
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

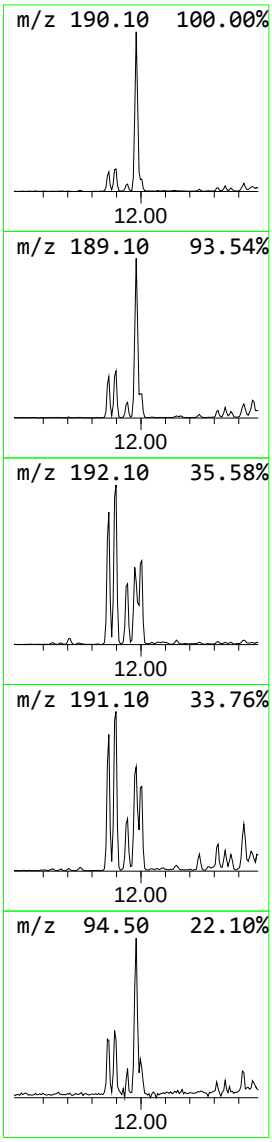
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	17.95 ng	691930	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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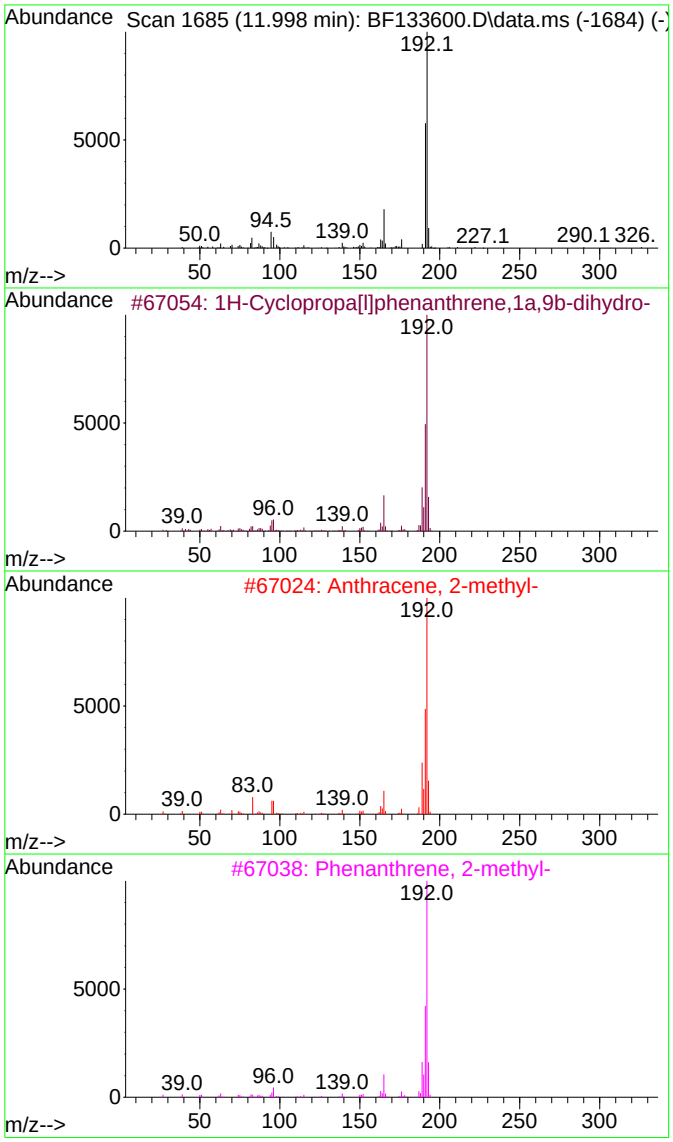
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

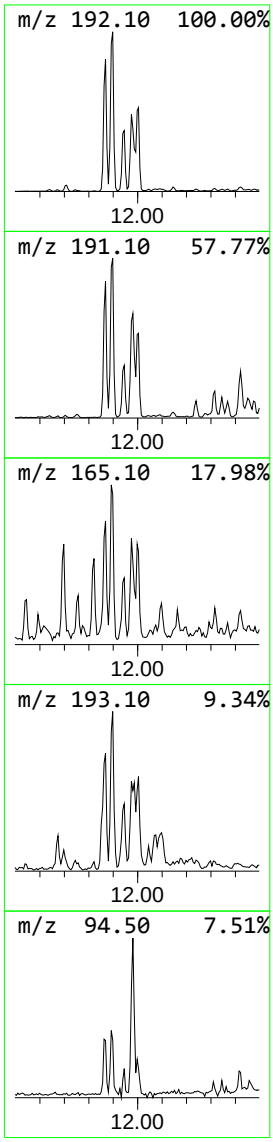
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	5.37 ng	207089	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

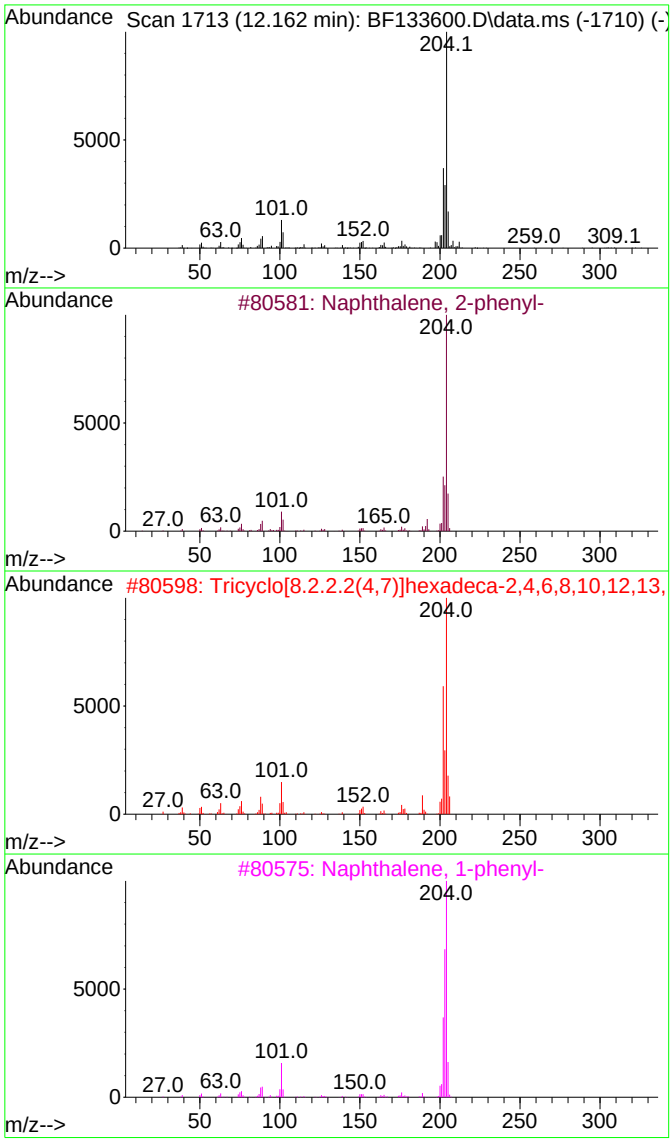
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

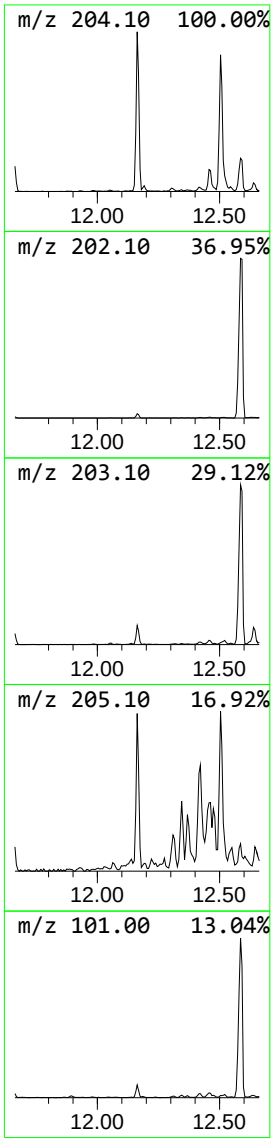
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	7.57 ng	291867	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
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	70
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53





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Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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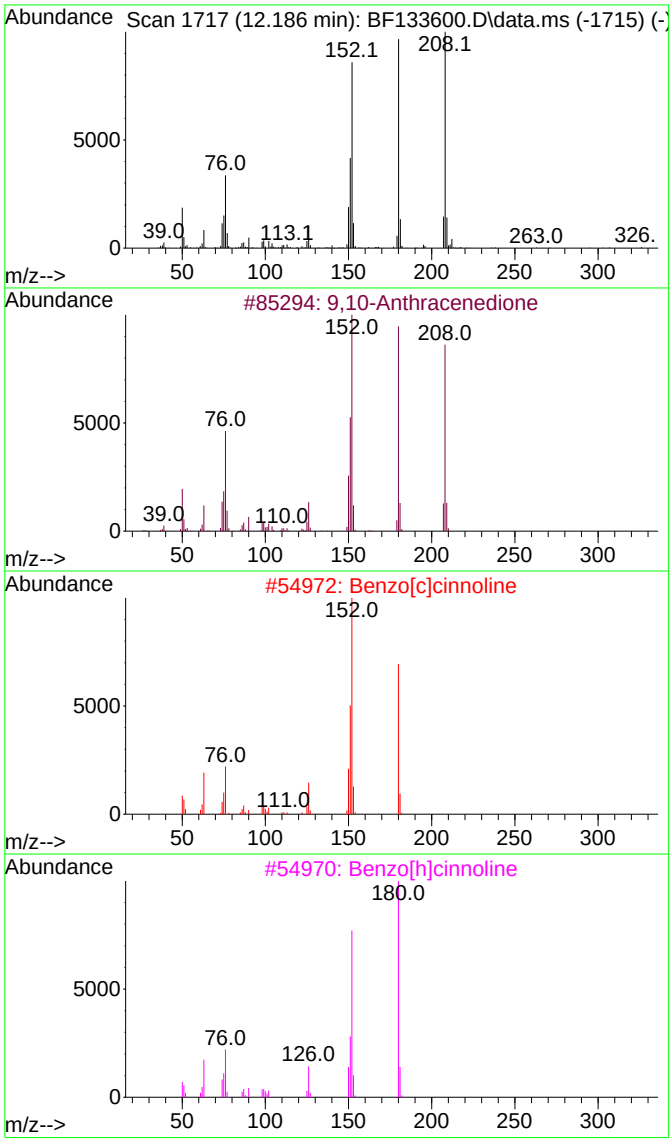
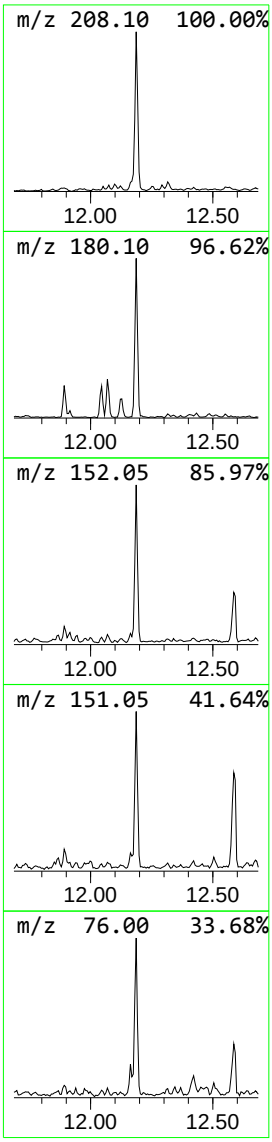
Peak Number 11 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	8.71 ng	335560	Phenanthrene-d10	11.368

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	86
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	62
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58





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Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

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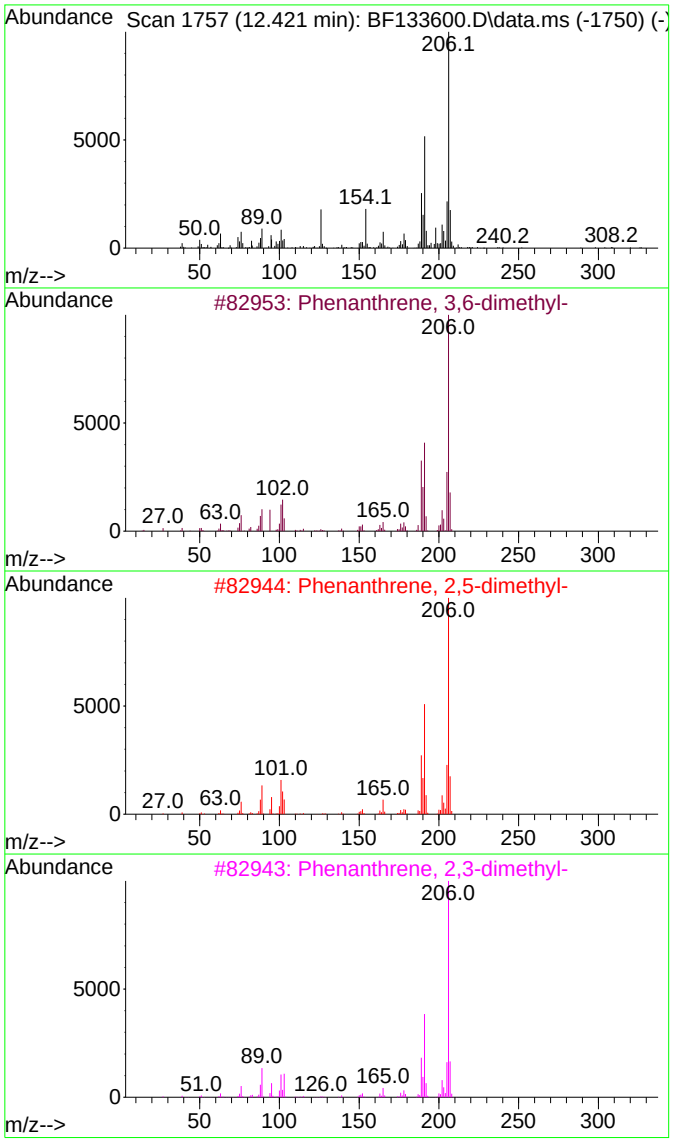
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

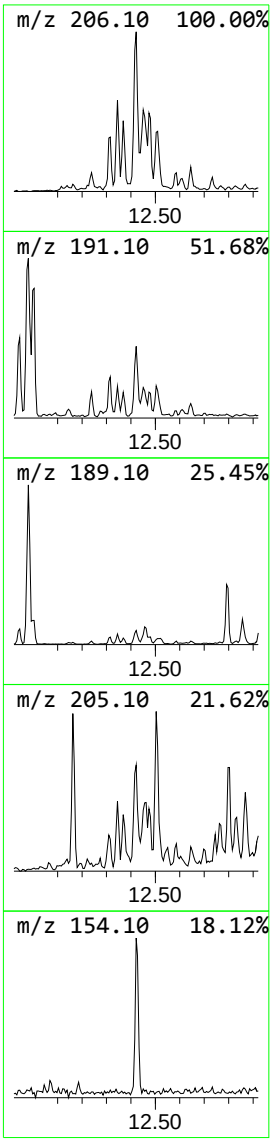
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.421	7.71 ng	297284	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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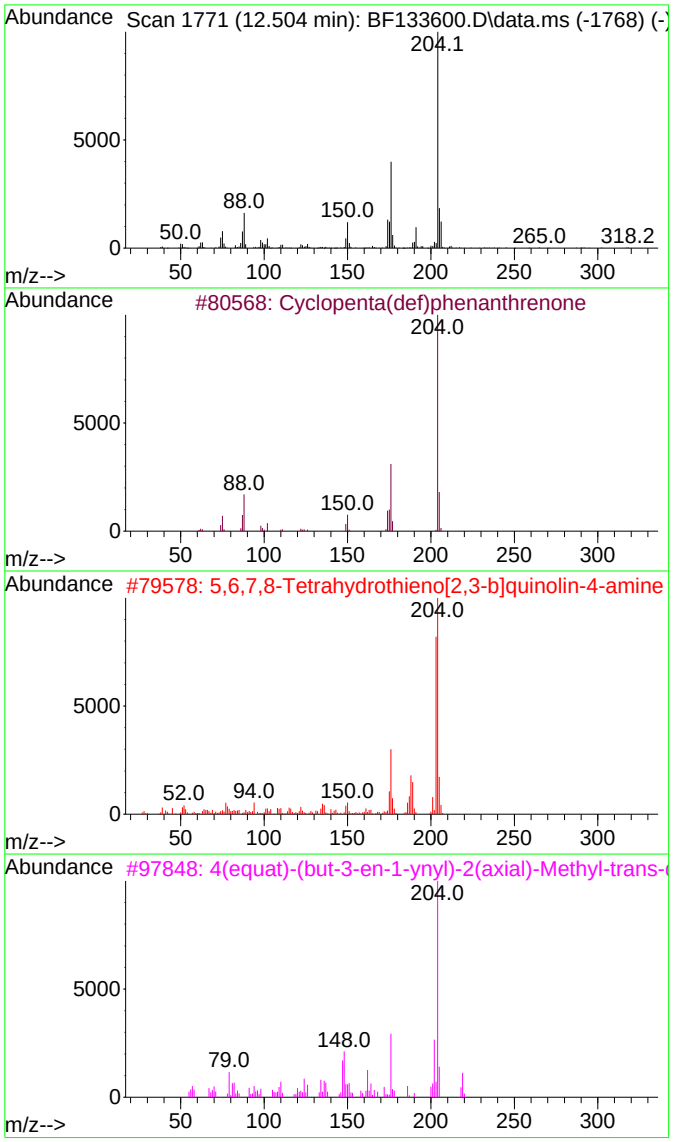
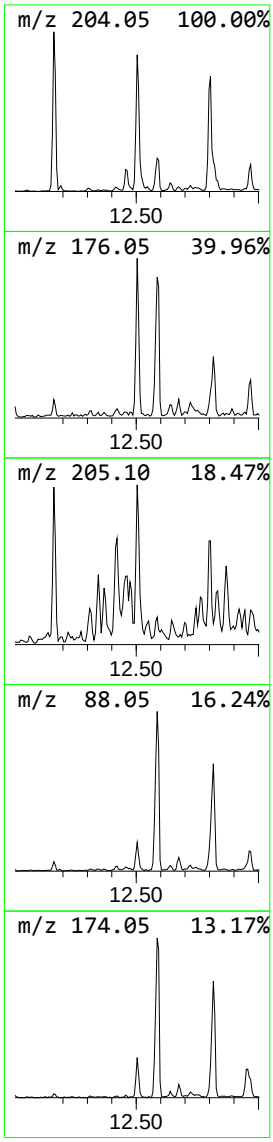
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	8.51 ng	327842	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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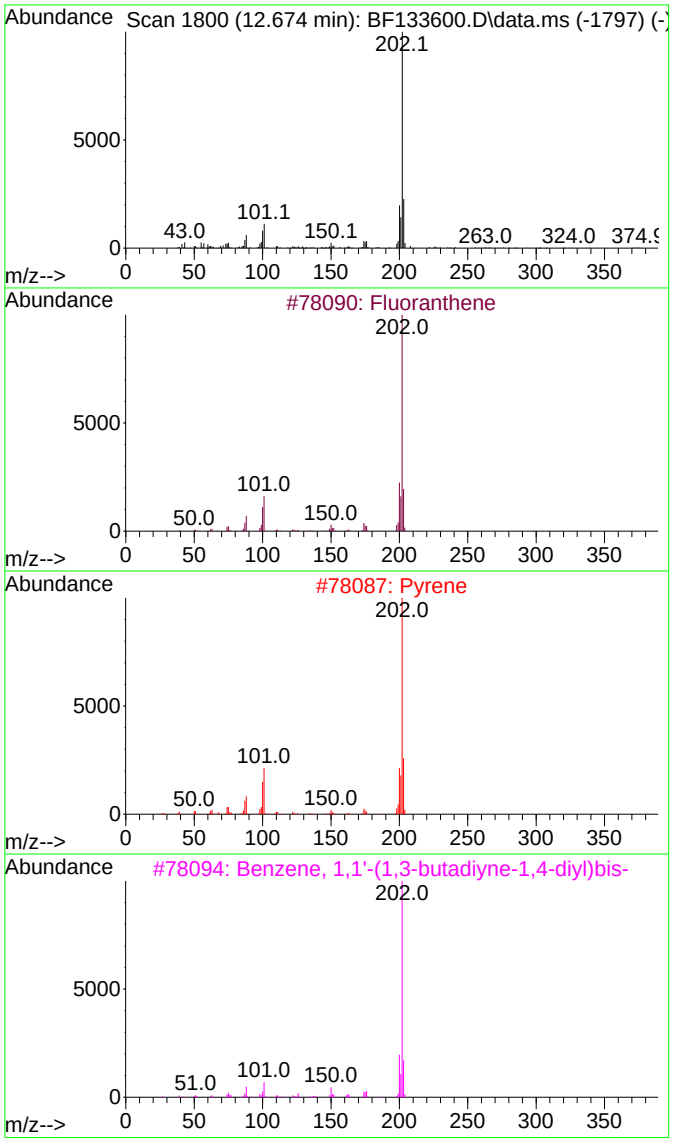
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

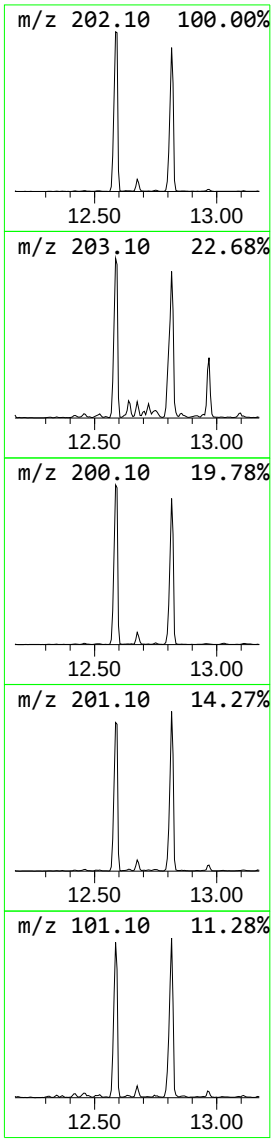
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.674	6.08 ng	234524	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	94
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	81
4	Anthracene, 9-(2-nitroethenyl)-	249	C16H11NO2	058349-77-2	56
5	Methyl 3-indolepropionate, TMS d...	275	C15H21NO2Si	056196-72-6	45





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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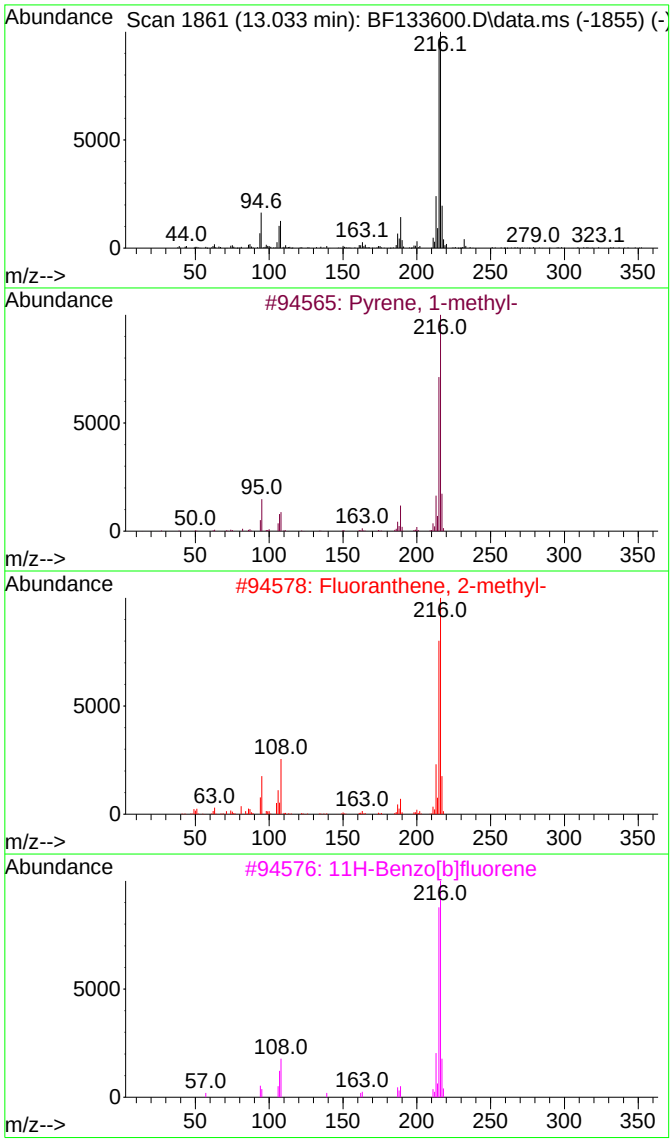
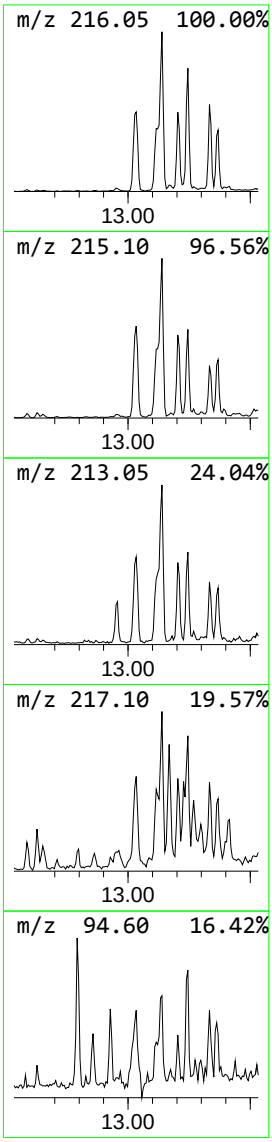
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.033	4.15 ng	443121	Chrysene-d12	14.015

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	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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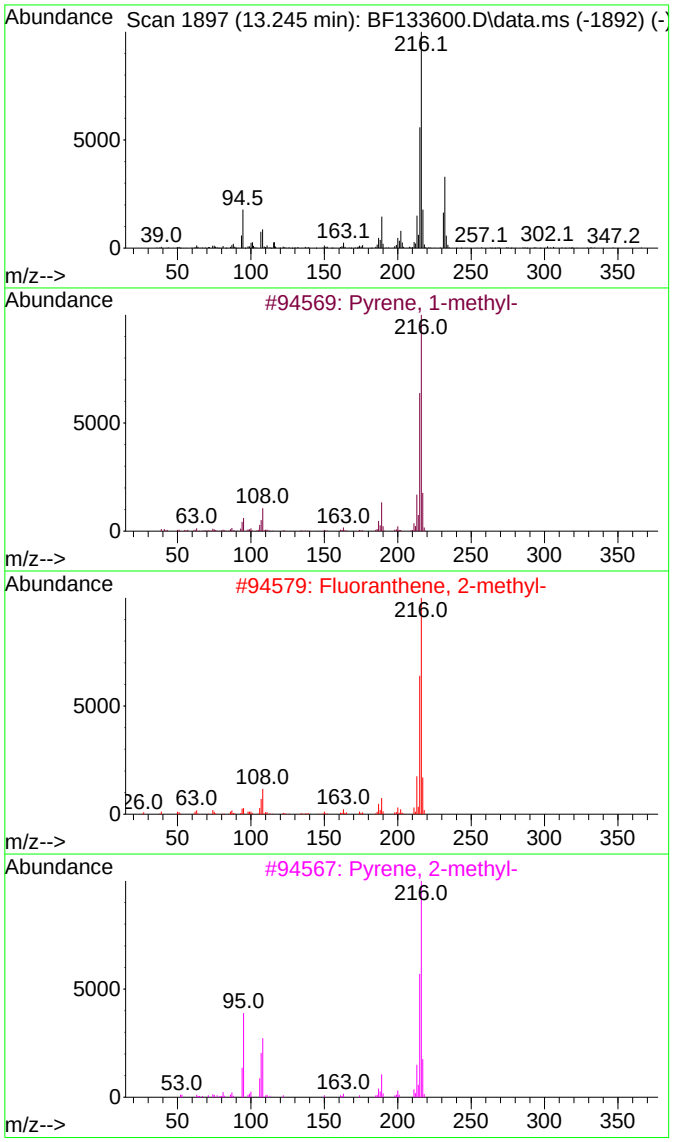
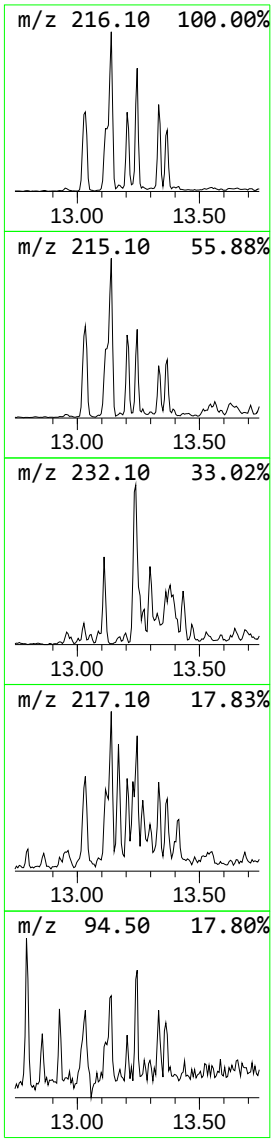
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	3.92 ng	418737	Chrysene-d12	14.015

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	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

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BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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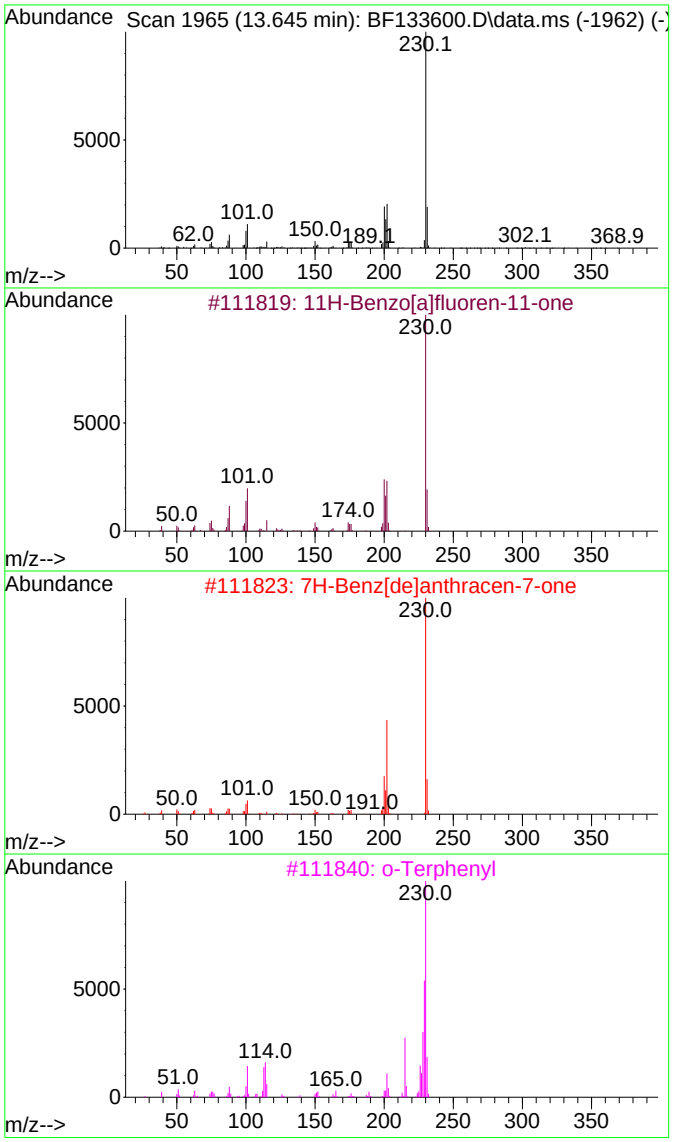
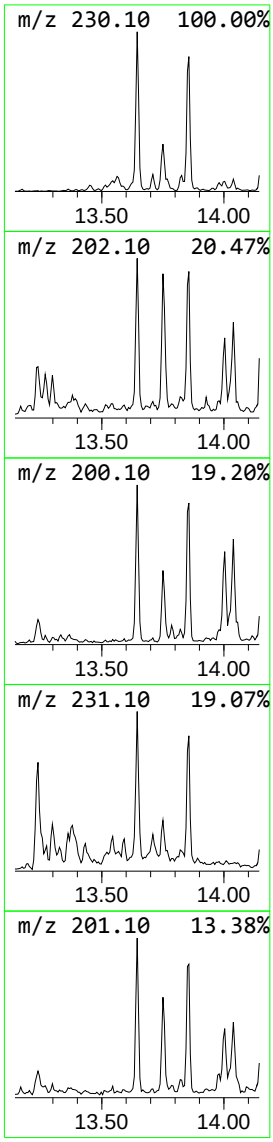
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.645	4.11 ng	438781	Chrysene-d12	14.015

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	91
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50





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Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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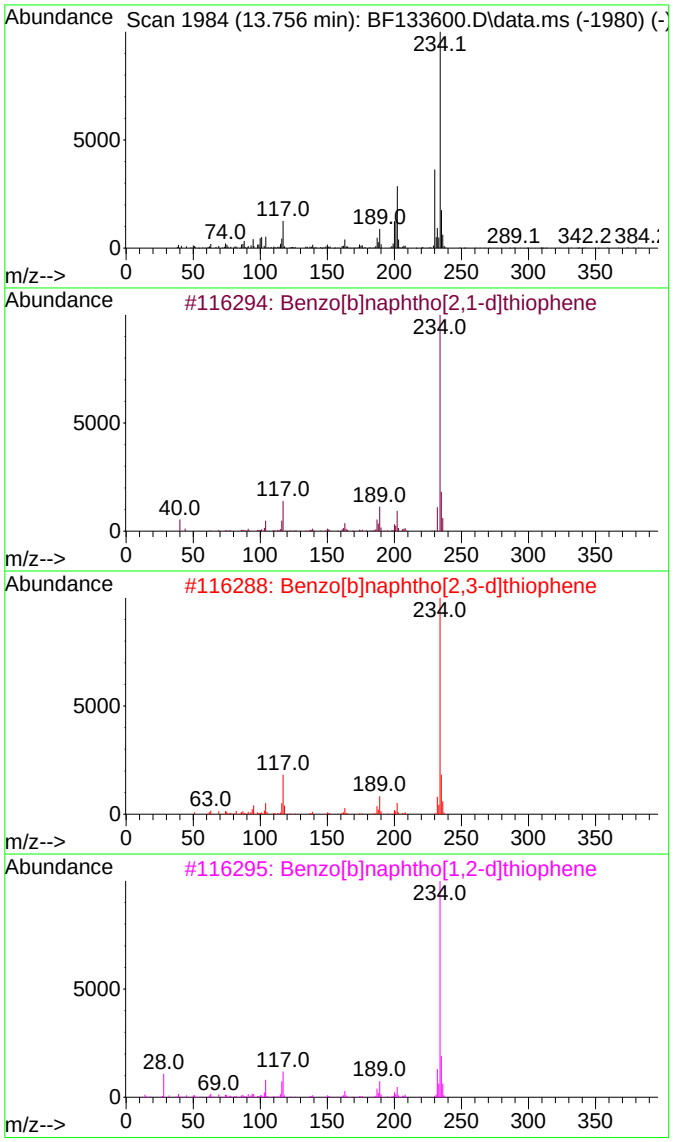
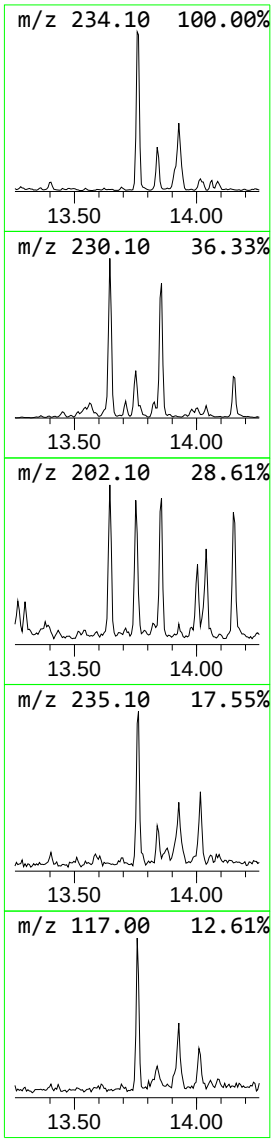
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	4.08 ng	435674	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	47
5	3-(1H-benzimidazol-2-yl)-2H-inda...	234	C14H10N4	1097816-83-5	47





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Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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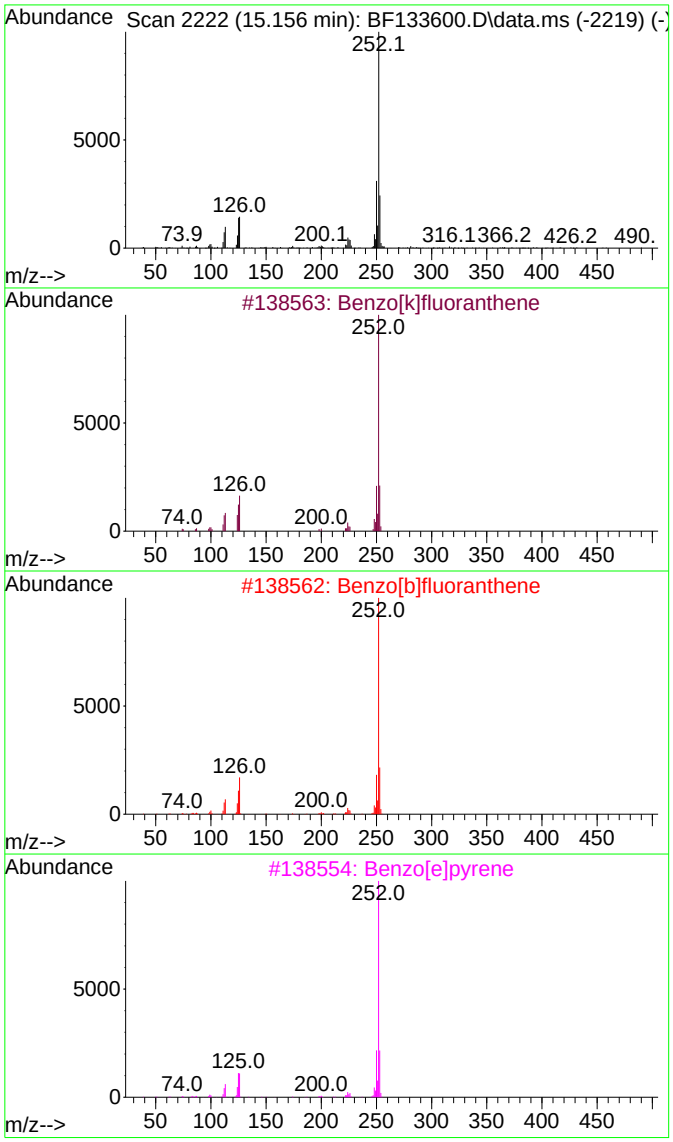
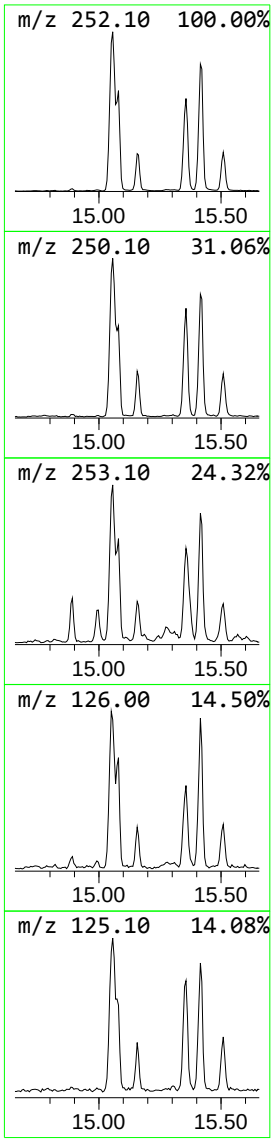
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.156	14.52 ng	261756	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
3	Benzo[e]pyrene	252	C20H12	000192-97-2	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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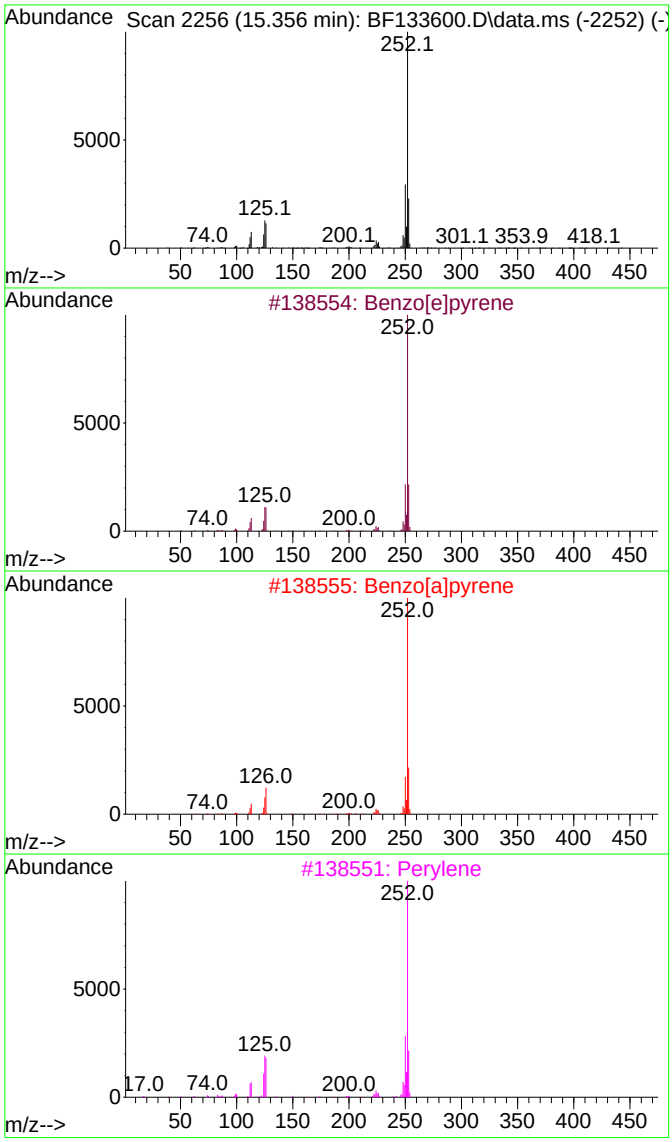
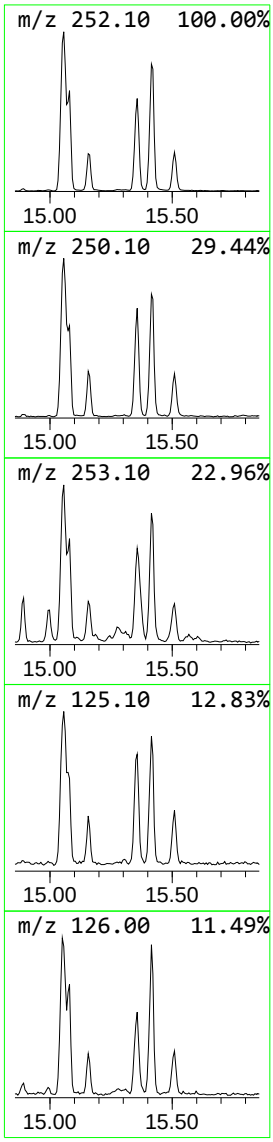
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.356	44.50 ng	802162	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133600.D
Acq On : 06 Jun 2023 19:49
Operator : CG\JU
Sample : 03002-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.586	10.7	ng	451065	3	9.874	842218	20.0
9H-Fluoren-9-one	11.168	6.8	ng	264005	4	11.368	770869	20.0
Dehydrochamazulene	11.221	4.0	ng	155016	4	11.368	770869	20.0
Dibenzothiophene	11.257	5.3	ng	206221	4	11.368	770869	20.0
Phenanthrene, 2...	11.868	10.3	ng	397142	4	11.368	770869	20.0
Phenanthrene, 1...	11.892	17.1	ng	657168	4	11.368	770869	20.0
Anthracene, 1-m...	11.939	4.9	ng	189448	4	11.368	770869	20.0
4H-Cyclopenta[d...	11.980	17.9	ng	691930	4	11.368	770869	20.0
1H-Cyclopropa[l...	11.998	5.4	ng	207089	4	11.368	770869	20.0
Naphthalene, 2-...	12.163	7.6	ng	291867	4	11.368	770869	20.0
9,10-Anthracene...	12.186	8.7	ng	335560	4	11.368	770869	20.0
Phenanthrene, 3...	12.421	7.7	ng	297284	4	11.368	770869	20.0
Cyclopenta(def)...	12.504	8.5	ng	327842	4	11.368	770869	20.0
Benzene, 1,1'-(...	12.674	6.1	ng	234524	4	11.368	770869	20.0
Pyrene, 1-methyl-	13.033	4.2	ng	443121	5	14.015	2137760	20.0
Fluoranthene, 2...	13.245	3.9	ng	418737	5	14.015	2137760	20.0
11H-Benzo[a]flu...	13.645	4.1	ng	438781	5	14.015	2137760	20.0
Benzo[b]naphtho...	13.757	4.1	ng	435674	5	14.015	2137760	20.0
Benzo[e]pyrene	15.156	14.5	ng	261756	6	15.480	360488	20.0
Perylene	15.356	44.5	ng	802162	6	15.480	360488	20.0