LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133680.D
Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-1-060723

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133680.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.446	567	571	575	rBV	1632903	1550160	17.84%	1.615%
2	6.463	739	744	747	rBV	1741099	1587653	18.28%	1.654%
3	6.834	804	807	811	rBV	701732	610817	7.03%	0.636%
4	7.398	899	903	906	rVB	1189068	980992	11.29%	1.022%
5	8.122	1020	1026	1028	rBV	930305	820153	9.44%	0.855%
6	8.139	1028	1029	1033	rVB	558962	369764	4.26%	0.385%
7	8.834	1144	1147	1150	rBV	482387	363768	4.19%	0.379%
8	8.934	1159	1164	1167	rBV	438773	371452	4.28%	0.387%
9	9.198	1205	1209	1212	rBV	2095196	1738153	20.01%	1.811%
10	9.463	1249	1254	1257	rBV	237872	306733	3.53%	0.320%
11	9.534	1262	1266	1269	rVV	506035	482697	5.56%	0.503%
12	9.563	1269	1271	1273	rVV	252143	212548	2.45%	0.221%
13	9.651	1283	1286	1291	rVB	254491	259928	2.99%	0.271%
14	9.739	1297	1301	1304	rVB	456483	423569	4.88%	0.441%
15	9.875	1322	1324	1327	rVV	767734	654845	7.54%	0.682%
16	9.910	1327	1330	1333	rVV	1183394	902023	10.38%	0.940%
17	10.081	1355	1359	1362	rVV2	769100	645774	7.43%	0.673%
18	10.116	1362	1365	1369	rVB	247352	202688	2.33%	0.211%
19	10.192	1374	1378	1381	rBV2	257942	260381	3.00%	0.271%
20	10.428	1414	1418	1423	rVB	1297199	1148977	13.23%	1.197%
21	10.492	1423	1429	1430	rBV2	216356	274426	3.16%	0.286%
22	10.581	1442	1444	1448	rVB2	320099	318887	3.67%	0.332%
23	10.663	1453	1458	1462	rVV	1210437	1253721	14.43%	1.306%
24	10.792	1475	1480	1485	rVB3	296102	335535	3.86%	0.350%
25	10.975	1504	1511	1513	rBV2	436023	534265	6.15%	0.557%
26	11.004	1513	1516	1518	rVV2	268262	275715	3.17%	0.287%
27	11.057	1522	1525	1528	rVV	265579	243732	2.81%	0.254%
28	11.104	1528	1533	1535	rVV2	196518	298214	3.43%	0.311%
29	11.128	1535	1537	1541	rVV	217616	250291	2.88%	0.261%
30	11.169	1541	1544	1548	rVV2	281175	310150	3.57%	0.323%
31	11.216	1548	1552	1557	rVV3	202906	348290	4.01%	0.363%
32	11.263	1557	1560	1566	rVB	638820	565383	6.51%	0.589%
33	11.369	1574	1578	1580	rBV	526256	618274	7.12%	0.644%
34	11.404	1580	1584	1587	rVV	4837161	5618293	64.68%	5.854%
35	11.451	1588	1592	1594	rVV	1500561	1280708	14.74%	1.334%
36	11.475	1594	1596	1599	rVB2	238628	227752	2.62%	0.237%

LSC Area Percent Report

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Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.598	1610	1617	1620	rBV	699415	705266	8.12%	0.735%
38	11.663	1625	1628	1631	rVV2	379780	328905	3.79%	0.343%
39	11.698	1631	1634	1639	rVB2	373271	359612	4.14%	0.375%
40	11.780	1646	1648	1652	rVB	217460	226789	2.61%	0.236%
41	11.875	1658	1664	1666	rVV	1382296	1341266	15.44%	1.397%
42	11.904	1666	1669	1672	rVB	1782783	1553358	17.88%	1.618%
43	11.951	1672	1677	1680	rBV	433683	442244	5.09%	0.461%
44	11.986	1680	1683	1685	rVV2	2101379	2242522	25.82%	2.337%
45	12.010	1685	1687	1691	rVB	1141180	872104	10.04%	0.909%
46	12.104	1700	1703	1705	rVB	269377	206171	2.37%	0.215%
47	12.169	1711	1714	1716	rVV	991897	888696	10.23%	0.926%
48	12.198	1716	1719	1722	rVB	752918	688036	7.92%	0.717%
49	12.316	1737	1739	1742	rVV	345435	314032	3.62%	0.327%
50	12.345	1742	1744	1747	rVV	434347	385187	4.43%	0.401%
51	12.375	1747	1749	1752	rVB	310894	249351	2.87%	0.260%
52	12.422	1753	1757	1760	rBV	926300	1061843	12.22%	1.106%
53	12.463	1760	1764	1766	rVV	660763	814462	9.38%	0.849%
54	12.522	1770	1774	1778	rBV2	673731	887829	10.22%	0.925%
55	12.610	1782	1789	1791	rVB	5390079	7772521	89.47%	8.098%
56	12.633	1791	1793	1795	rBV	251434	252889	2.91%	0.263%
57	12.686	1799	1802	1805	rVB2	218153	231055	2.66%	0.241%
58	12.739	1805	1811	1813	rBV2	477472	656481	7.56%	0.684%
59	12.839	1820	1828	1831	rBV2	5257222	8686875	100.00%	9.051%
60	12.869	1831	1833	1837	rVB2	508303	557809	6.42%	0.581%
61	12.939	1837	1845	1846	rBV2	589021	767640	8.84%	0.800%
62	12.963	1846	1849	1855	rVB2	1515208	1831066	21.08%	1.908%
63	13.039	1856	1862	1865	rBV2	757820	1258567	14.49%	1.311%
64	13.092	1869	1871	1873	rVV	225094	203319	2.34%	0.212%
65	13.122	1873	1876	1878	rVV2	715842	826189	9.51%	0.861%
66	13.151	1878	1881	1884	rVB	1527736	1388911	15.99%	1.447%
67	13.192	1884	1888	1889	rBV2	210159	257480	2.96%	0.268%
68	13.216	1889	1892	1895	rVV	1396897	1307381	15.05%	1.362%
69	13.257	1895	1899	1901	rVV2	1142124	1371388	15.79%	1.429%
70	13.280	1901	1903	1905	rVV	306672	297056	3.42%	0.310%
71	13.310	1905	1908	1911	rVV3	267495	332654	3.83%	0.347%
72	13.345	1911	1914	1916	rVV	788203	738747	8.50%	0.770%
73	13.374	1916	1919	1922	rVV	772818	817191	9.41%	0.851%
74	13.404	1922	1924	1930	rVV4	164894	234084	2.69%	0.244%
75	13.533	1941	1946	1947	rBV3	231825	304185	3.50%	0.317%
76	13.633	1959	1963	1964	rBV	243311	273328	3.15%	0.285%

LSC Area Percent Report

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Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.657	1964	1967	1971	rVB	594925	715577	8.24%	0.746%
78	13.769	1981	1986	1989	rBV3	653409	893694	10.29%	0.931%
79	13.798	1989	1991	1993	rVV	659899	534456	6.15%	0.557%
80	13.821	1993	1995	2000	rVV2	536722	682777	7.86%	0.711%
81	13.869	2000	2003	2006	rVB	466931	461466	5.31%	0.481%
82	14.016	2021	2028	2031	rBV2	2714867	4042846	46.54%	4.212%
83	14.057	2031	2035	2039	rVV	2957778	3283004	37.79%	3.421%
84	14.127	2045	2047	2050	rVV	591469	540229	6.22%	0.563%
85	14.169	2051	2054	2059	rVV2	293297	588183	6.77%	0.613%
86	14.251	2063	2068	2070	rVV2	265815	444716	5.12%	0.463%
87	14.410	2091	2095	2097	rVV	766613	807923	9.30%	0.842%
88	14.445	2097	2101	2104	rVV2	423642	476251	5.48%	0.496%
89	14.504	2105	2111	2113	rVV4	307601	516518	5.95%	0.538%
90	14.533	2113	2116	2118	rVV2	460054	475388	5.47%	0.495%
91	14.557	2118	2120	2123	rVB	422611	351545	4.05%	0.366%
92	14.798	2158	2161	2164	rBV2	183106	208655	2.40%	0.217%
93	15.074	2201	2208	2211	rBV	1708267	3162150	36.40%	3.295%
94	15.174	2222	2225	2228	rVB	438265	432226	4.98%	0.450%
95	15.380	2254	2260	2264	rVB	983452	1489268	17.14%	1.552%
96	15.445	2265	2271	2275	rVV	1630224	2248695	25.89%	2.343%
97	15.498	2277	2280	2282	rVV	207580	253128	2.91%	0.264%
98	15.527	2282	2285	2291	rVB2	403995	588263	6.77%	0.613%
99	16.980	2525	2532	2539	rVB2	552852	1162300	13.38%	1.211%
100	17.433	2601	2609	2616	rVB	462886	1035988	11.93%	1.079%

Sum of corrected areas: 95976446

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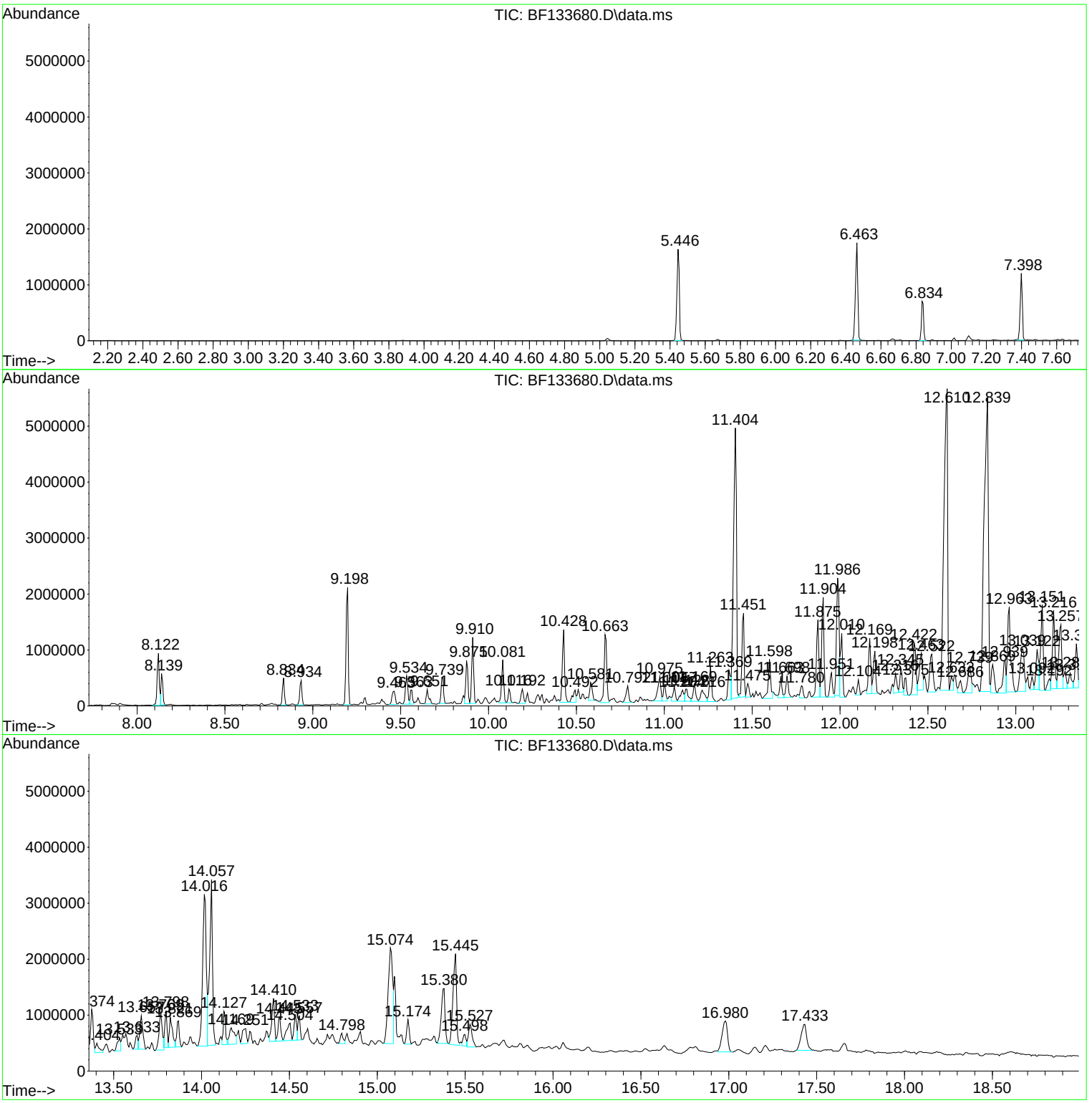
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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\BF060923\
Data File : BF133680.D
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Instrument :
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ClientSampleId :
HD-1-060723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

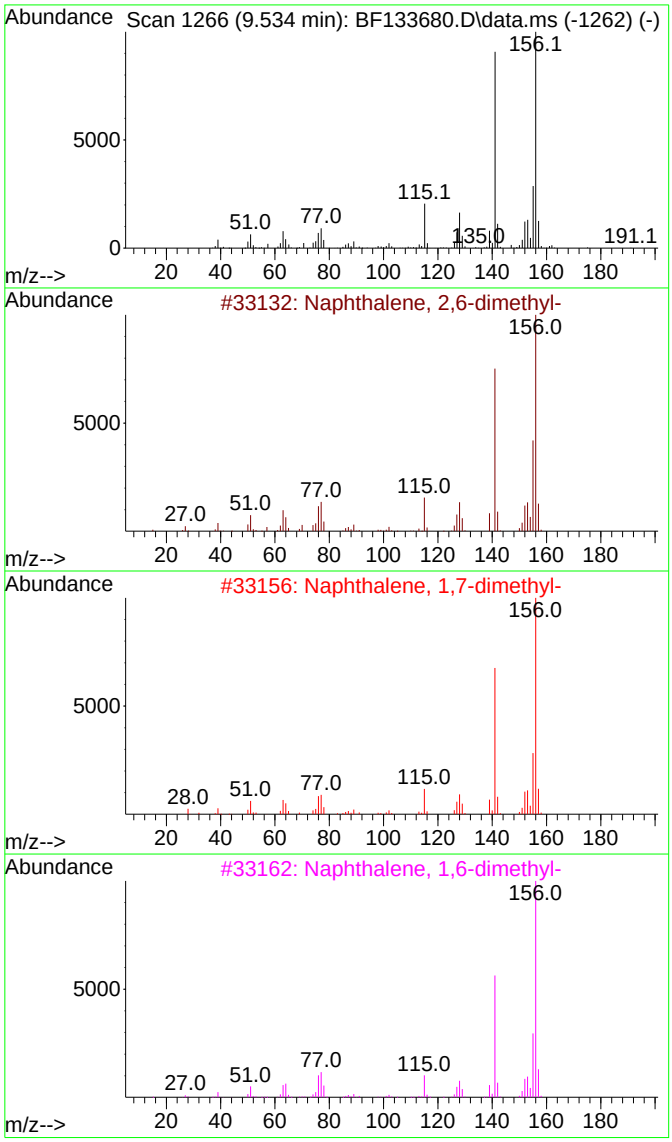
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

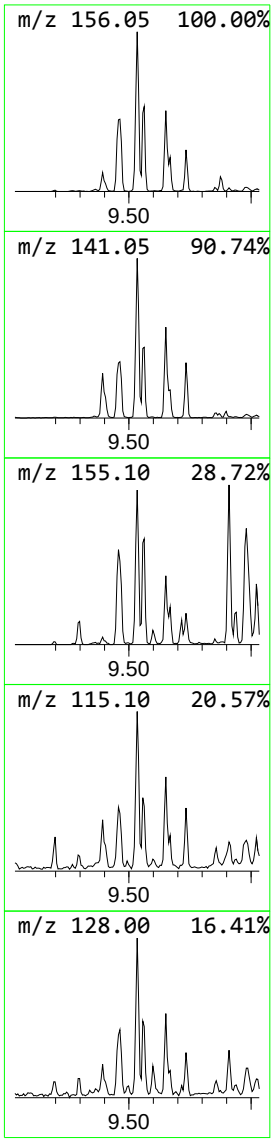
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.534	14.74 ng	482697	Acenaphthene-d10	9.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133680.D
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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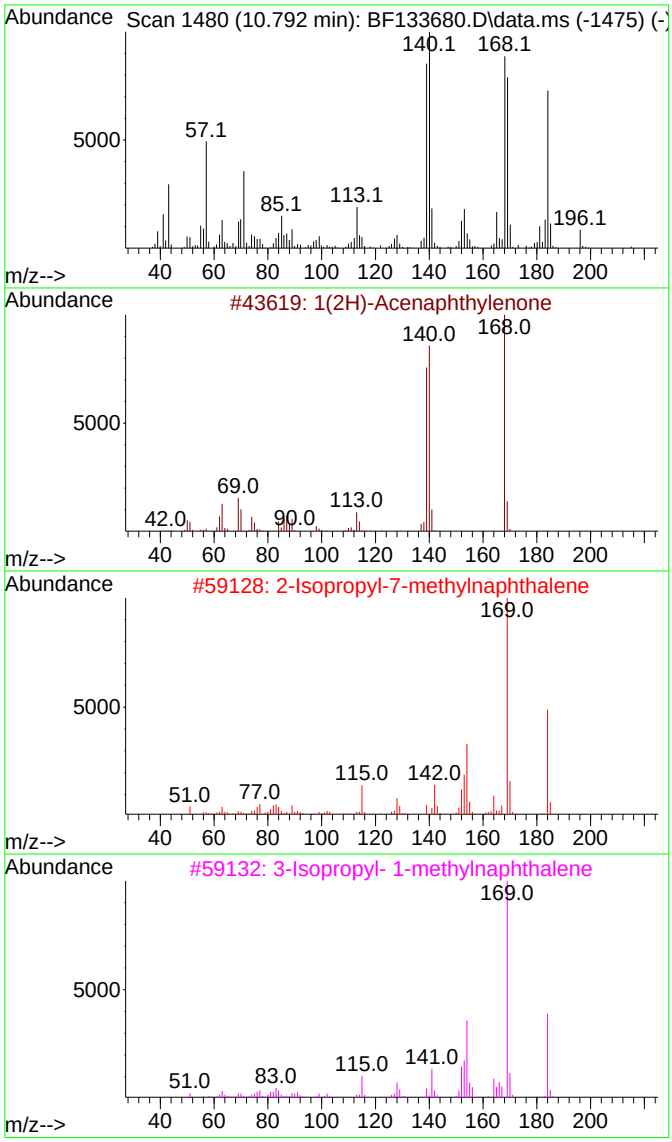
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

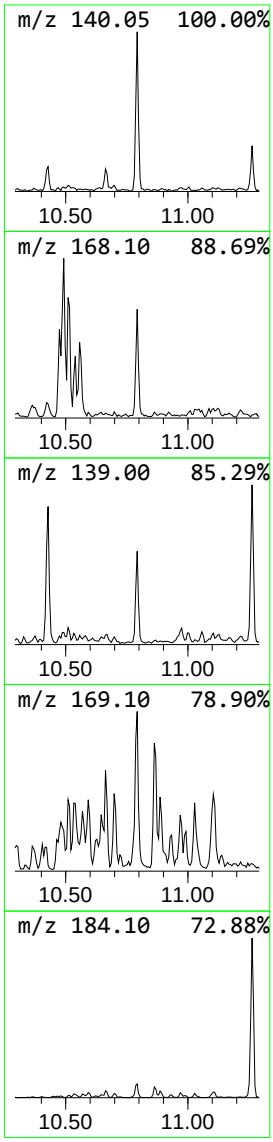
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.792	10.85 ng	335535	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	91
2	2-Isopropyl-7-methylnaphthalene	184	C14H16	1000383-71-3	38
3	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	38
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	38
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133680.D
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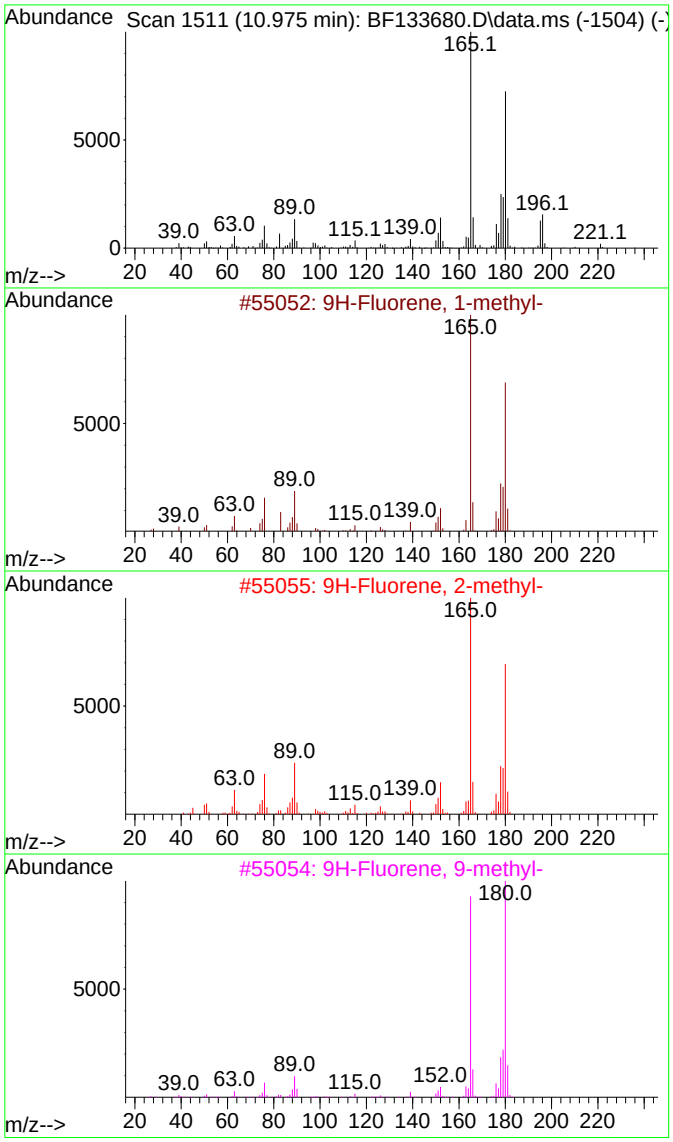
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

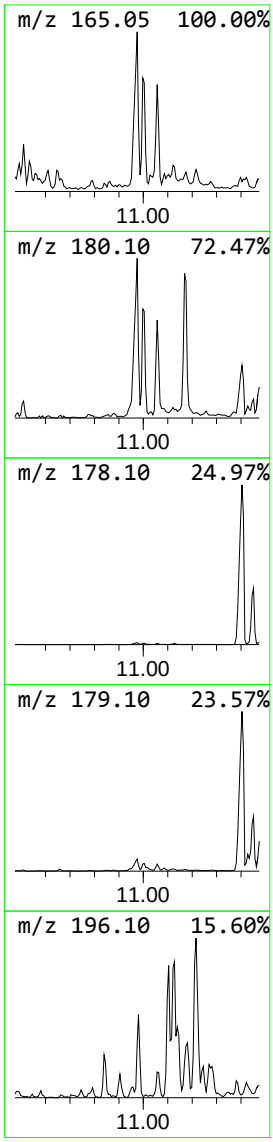
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.975	17.28 ng	534265	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133680.D
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Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-1-060723

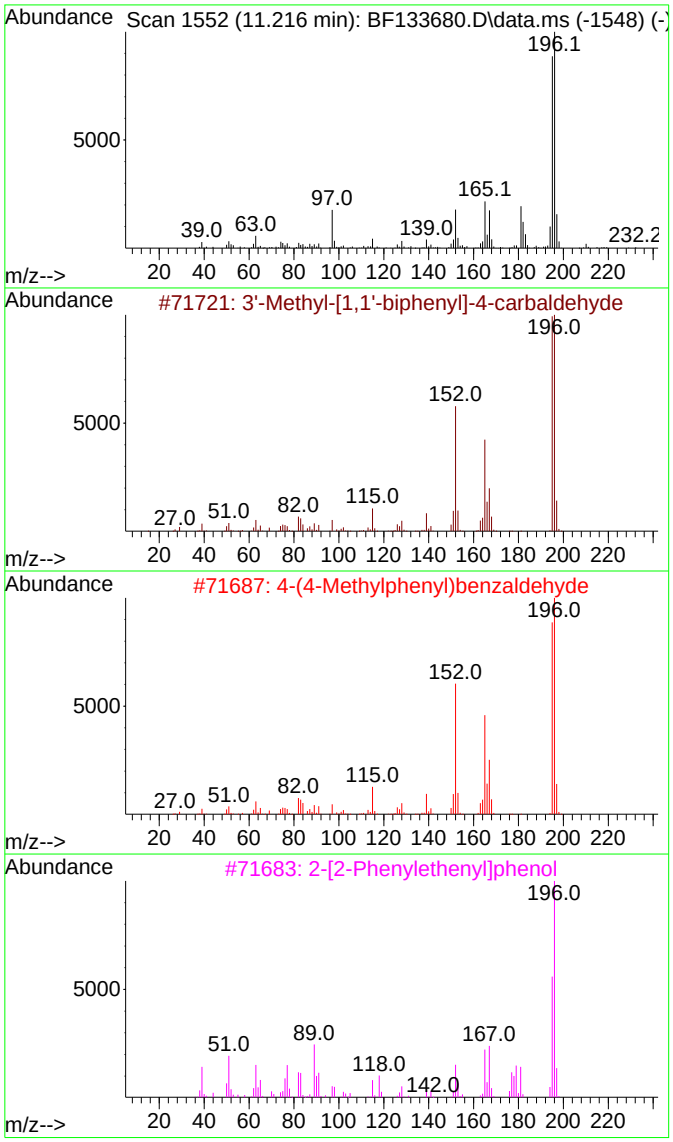
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

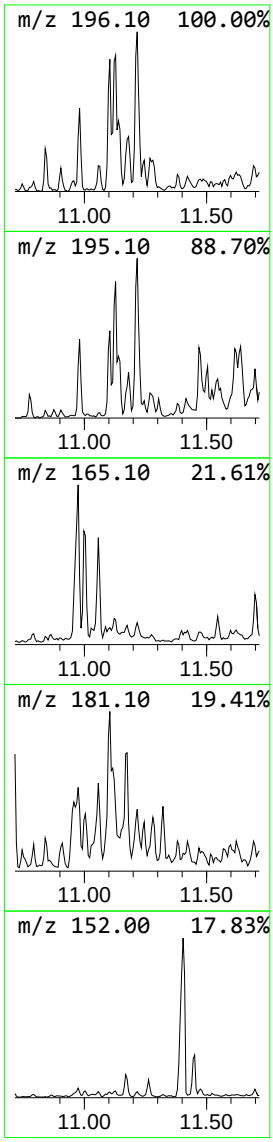
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	11.27 ng	348290	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	93
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58
4	4,7-Dimethoxythieno[2,3-d]pyrida...	196	C8H8N2O2S	1000436-23-9	53
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133680.D
Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

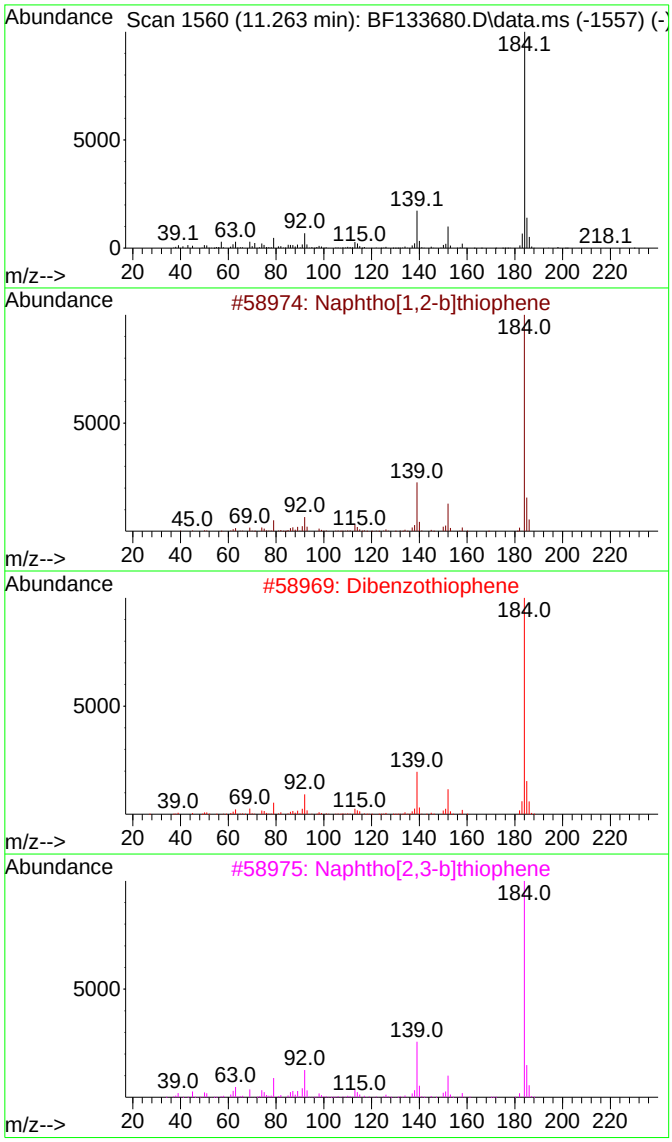
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

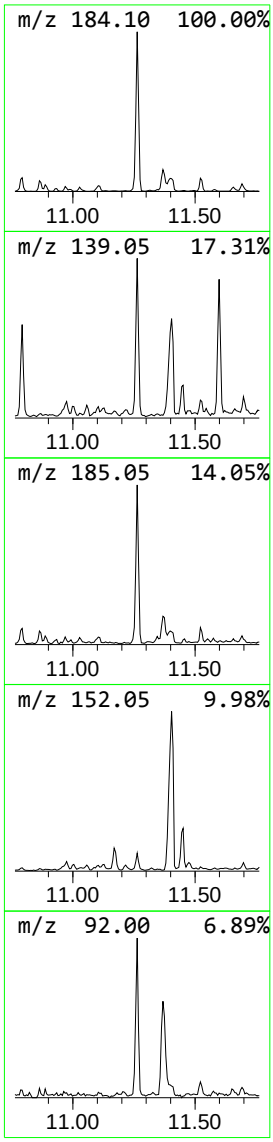
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	18.29 ng	565383	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-1-060723

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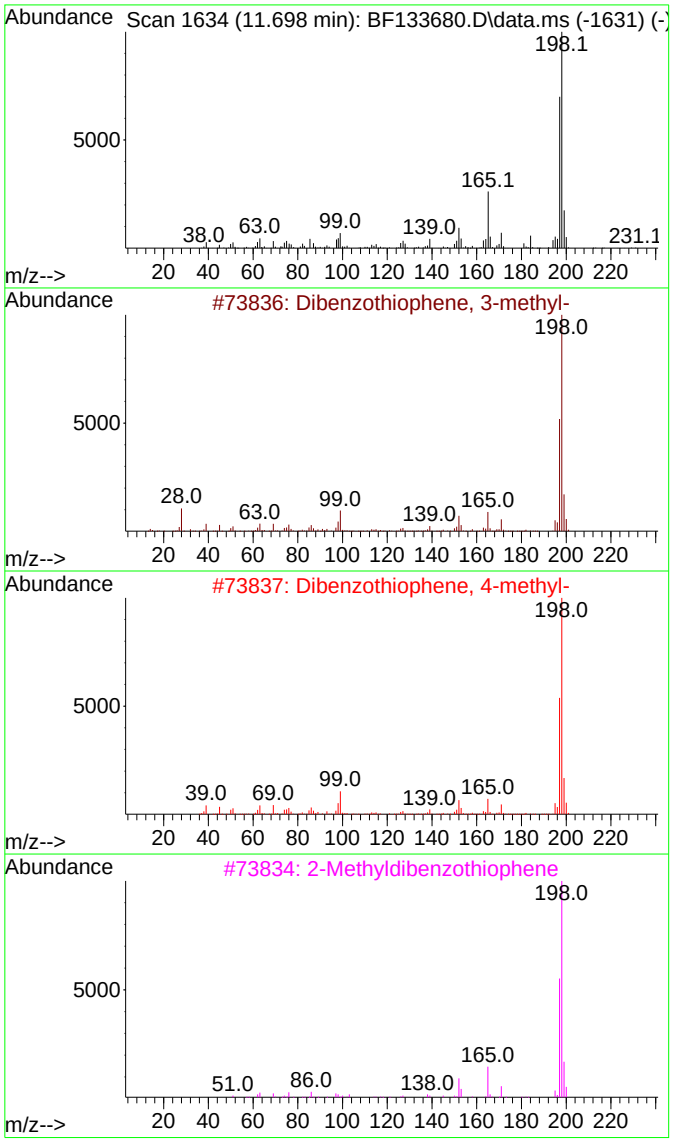
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

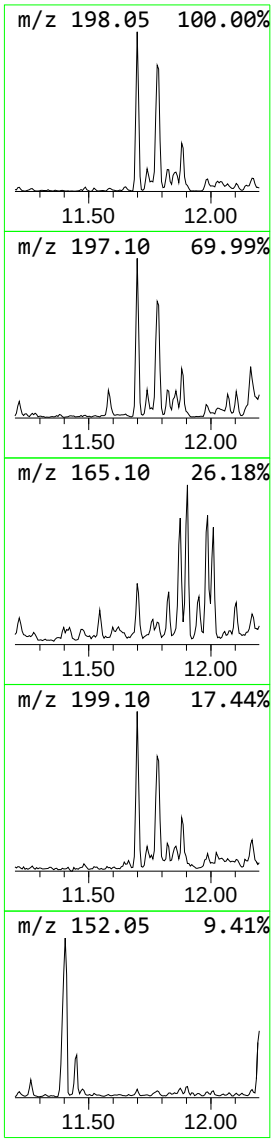
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.698	11.63 ng	359612	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
4	Thioxanthene	198	C13H10S	000261-31-4	86
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80





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Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-1-060723

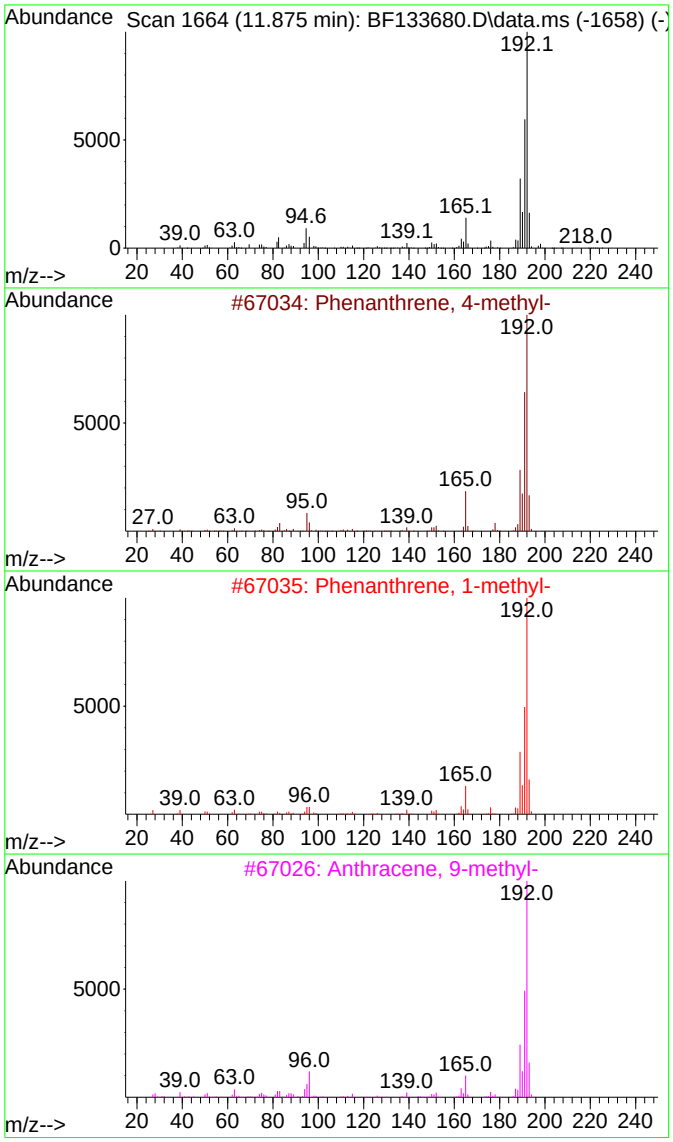
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

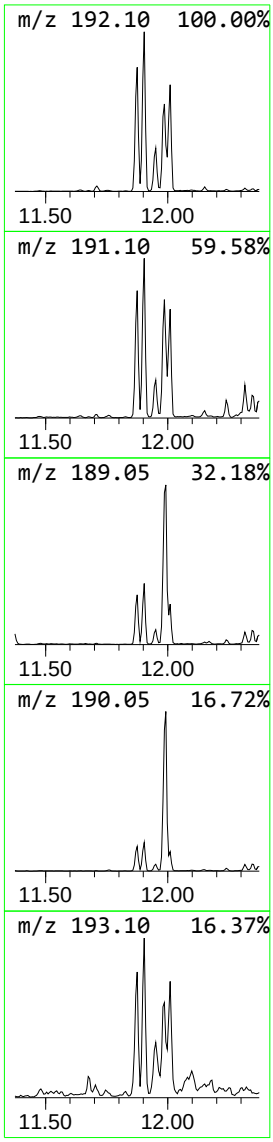
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	43.39 ng	1341270	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-1-060723

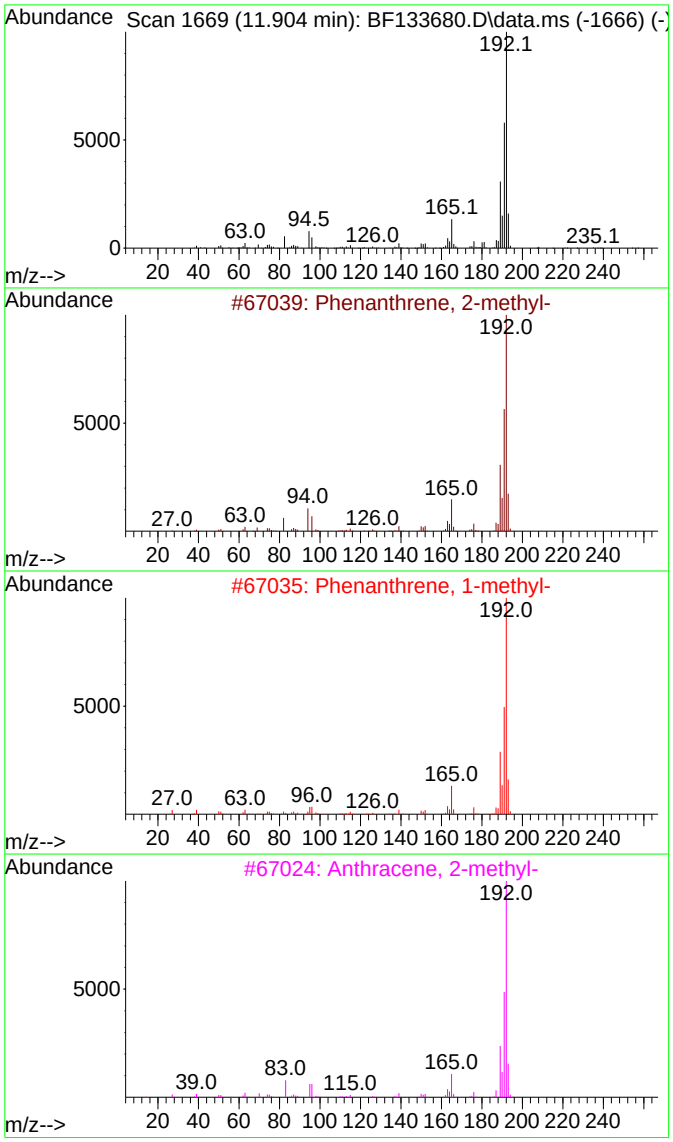
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

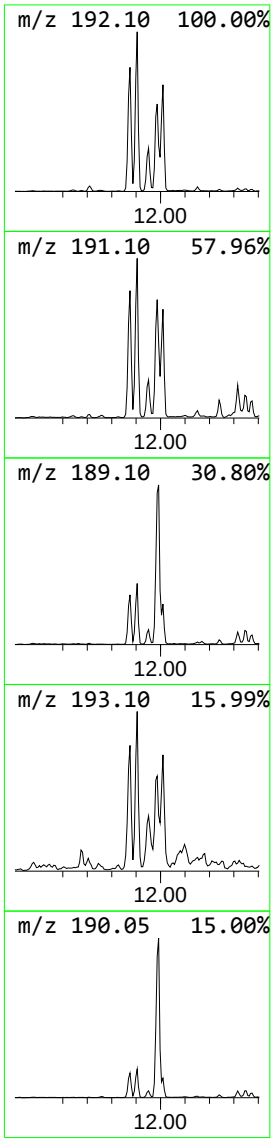
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	50.25 ng	1553360	Phenanthrene-d10	11.369

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	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

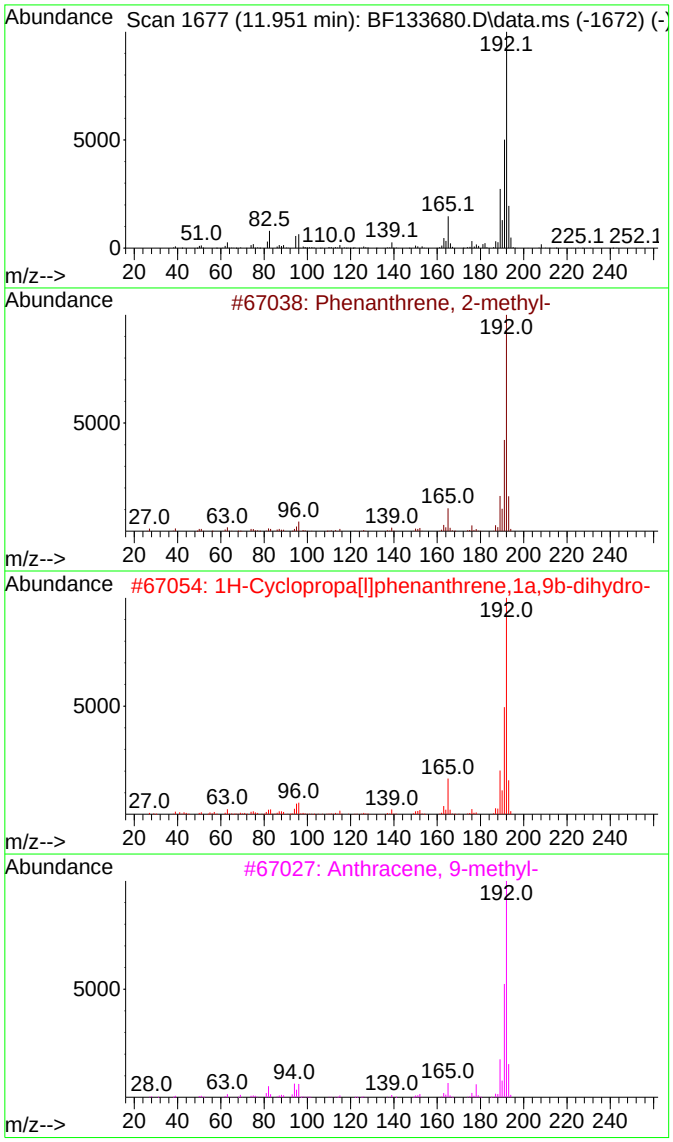
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

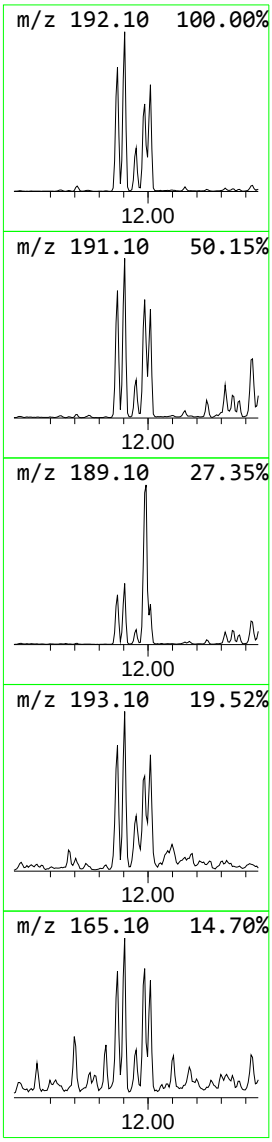
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	14.31 ng	442244	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

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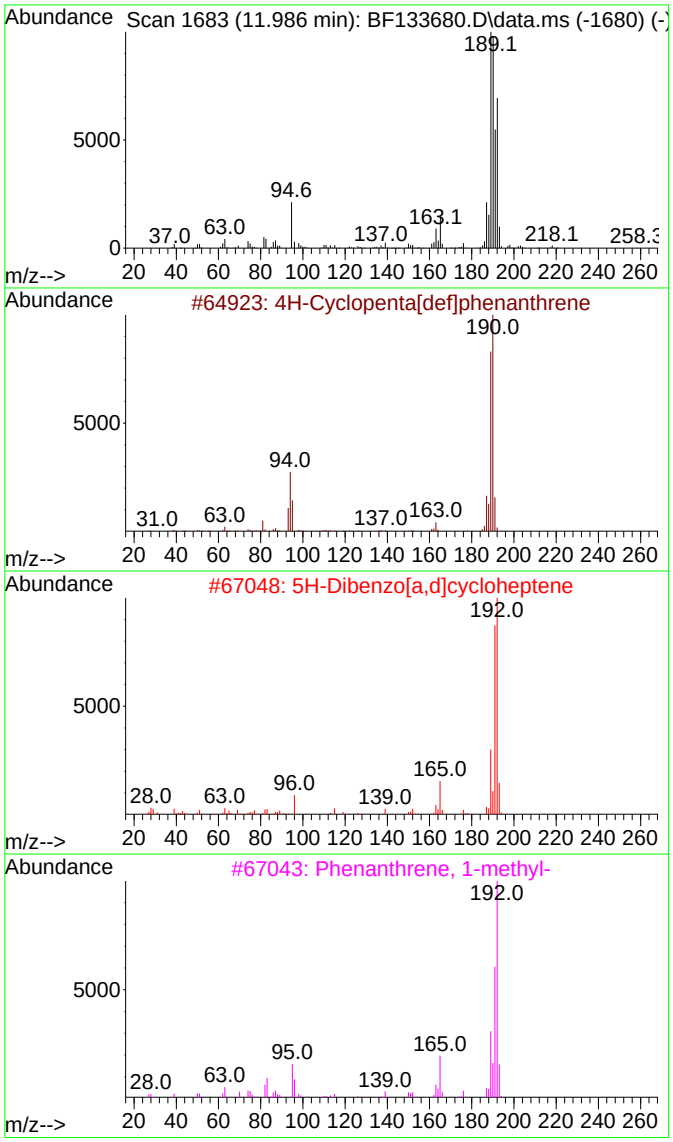
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

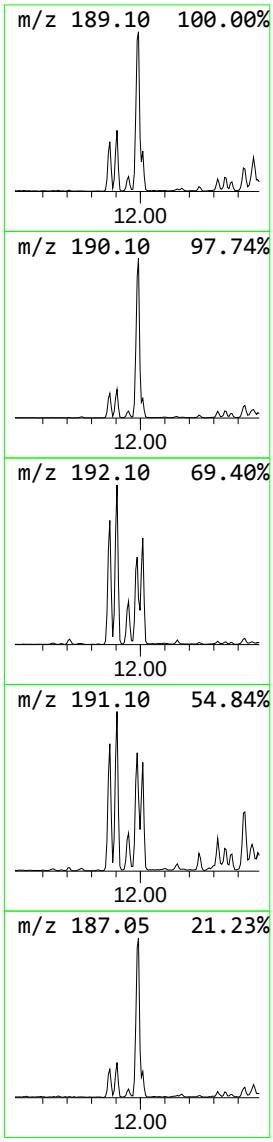
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	72.54 ng	2242520	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





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Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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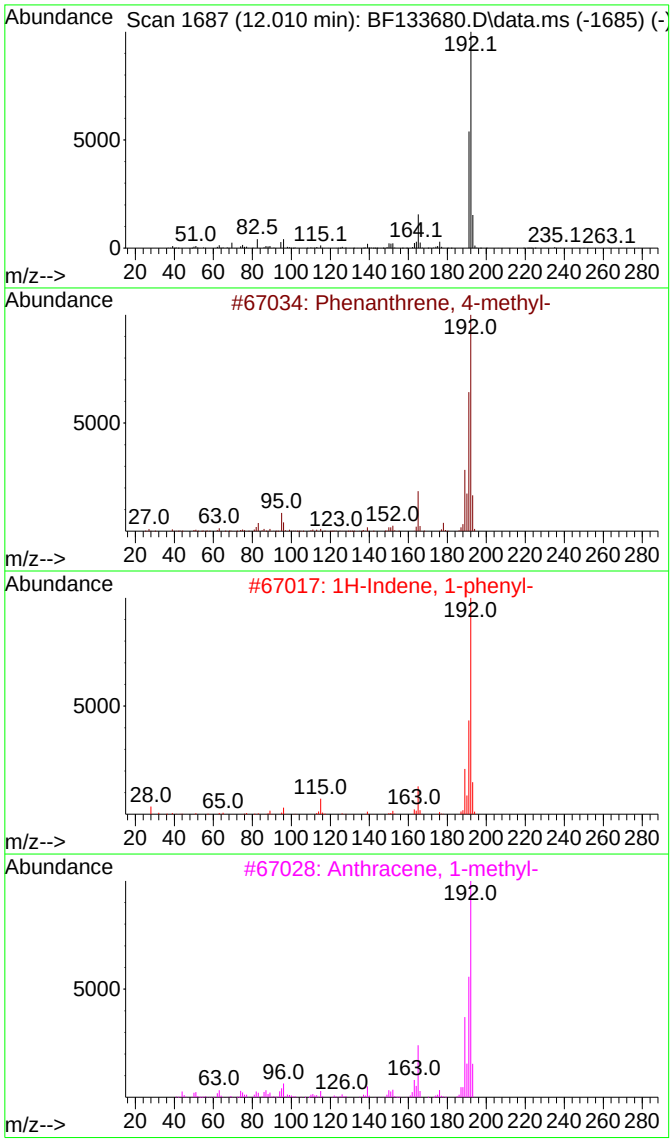
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

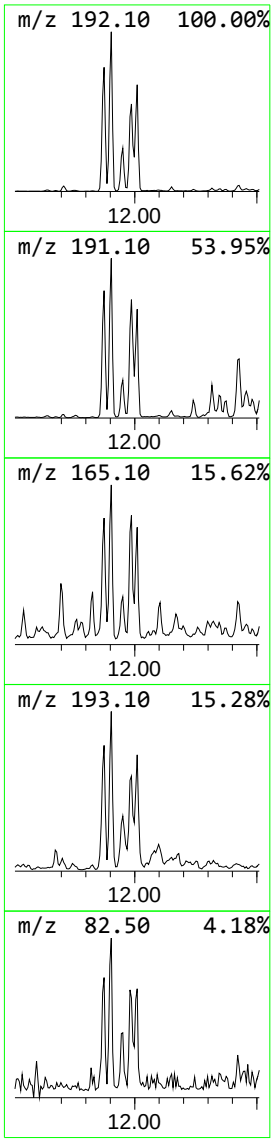
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Indene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	28.21 ng	872104	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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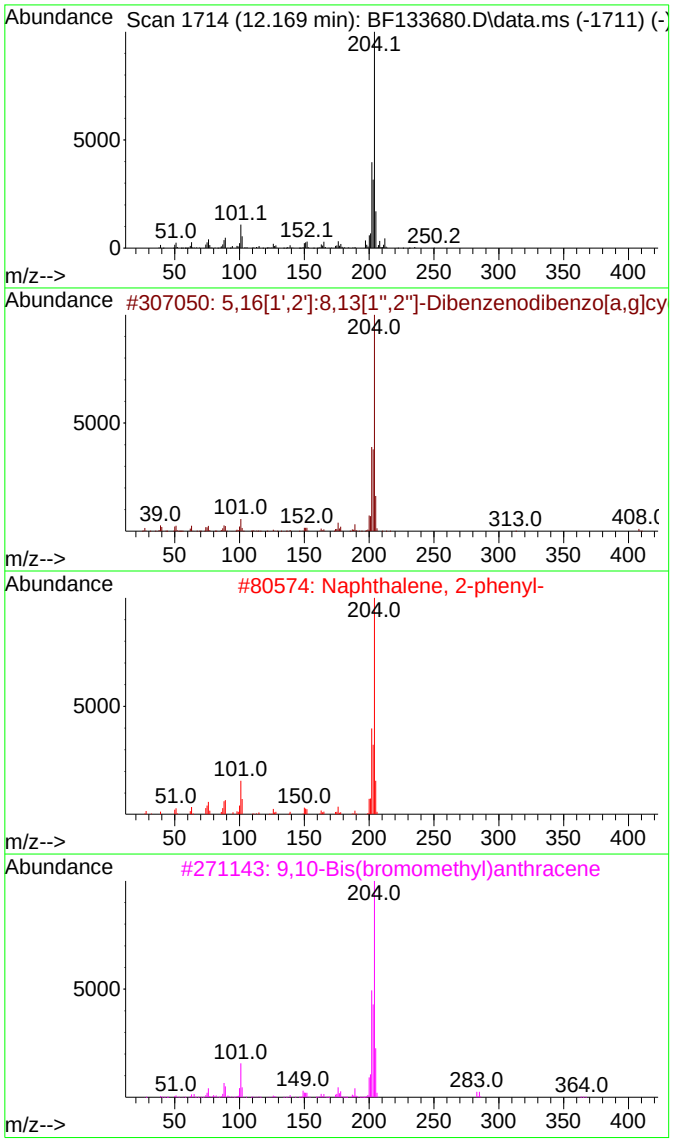
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

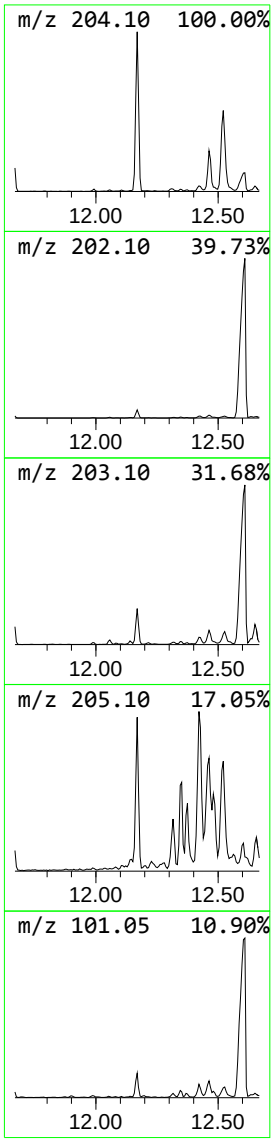
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.169	28.75 ng	888696	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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

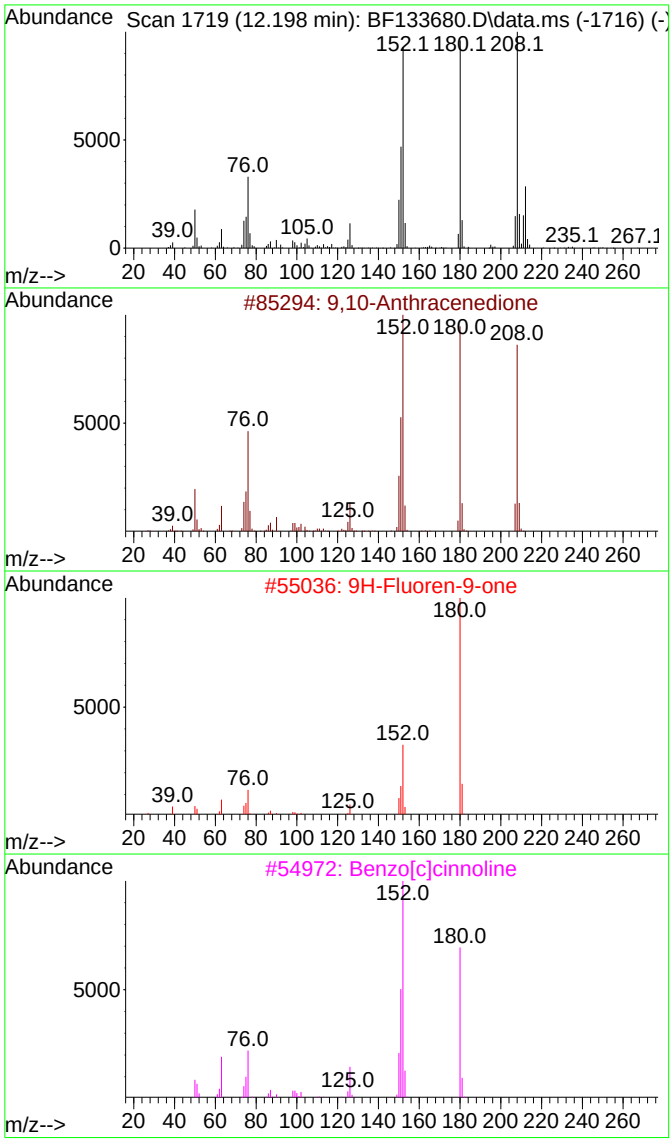
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

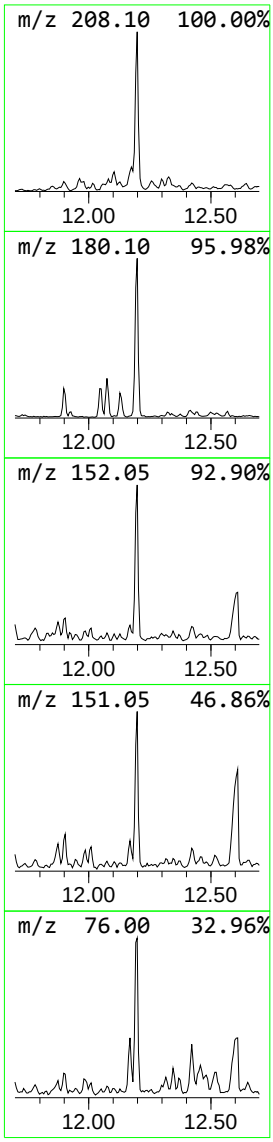
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	22.26 ng	688036	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

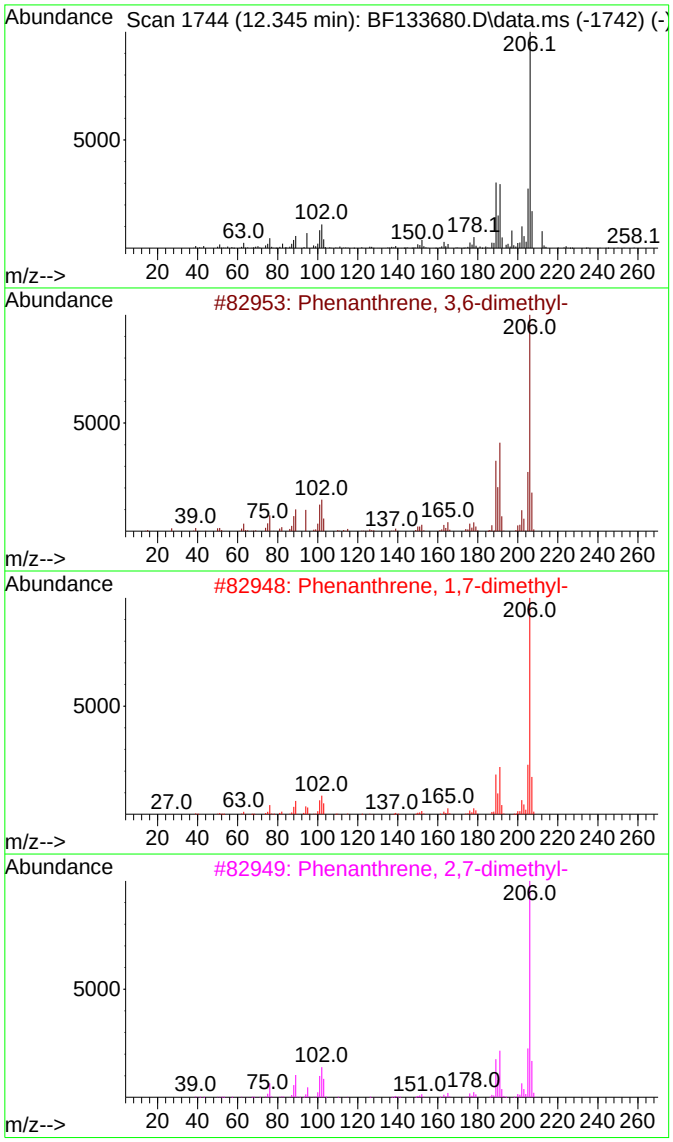
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

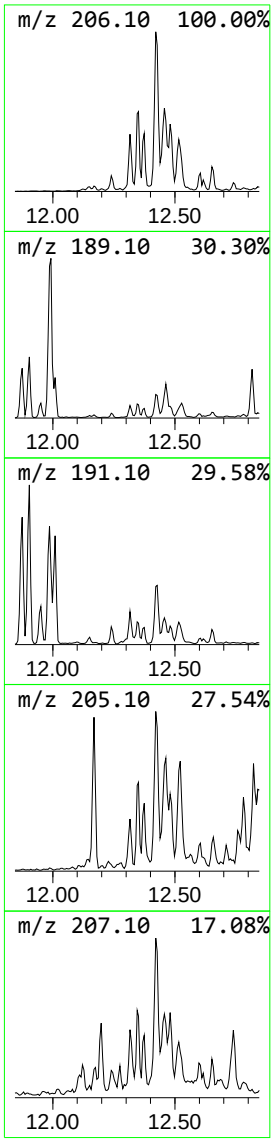
****

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	12.46 ng	385187	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	68





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ALS Vial : 8 Sample Multiplier: 1

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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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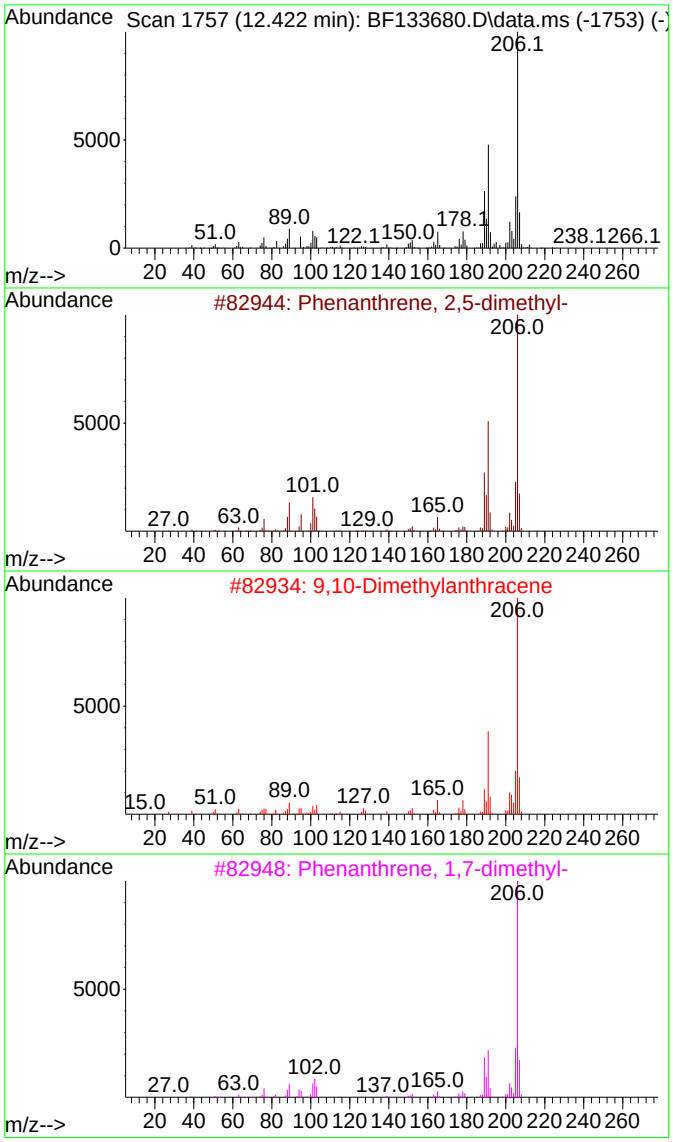
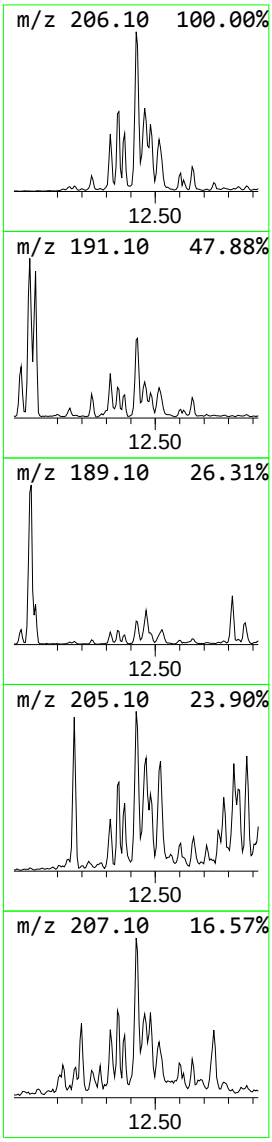
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	34.35 ng	1061840	Phenanthrene-d10	11.369

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	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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ALS Vial : 8 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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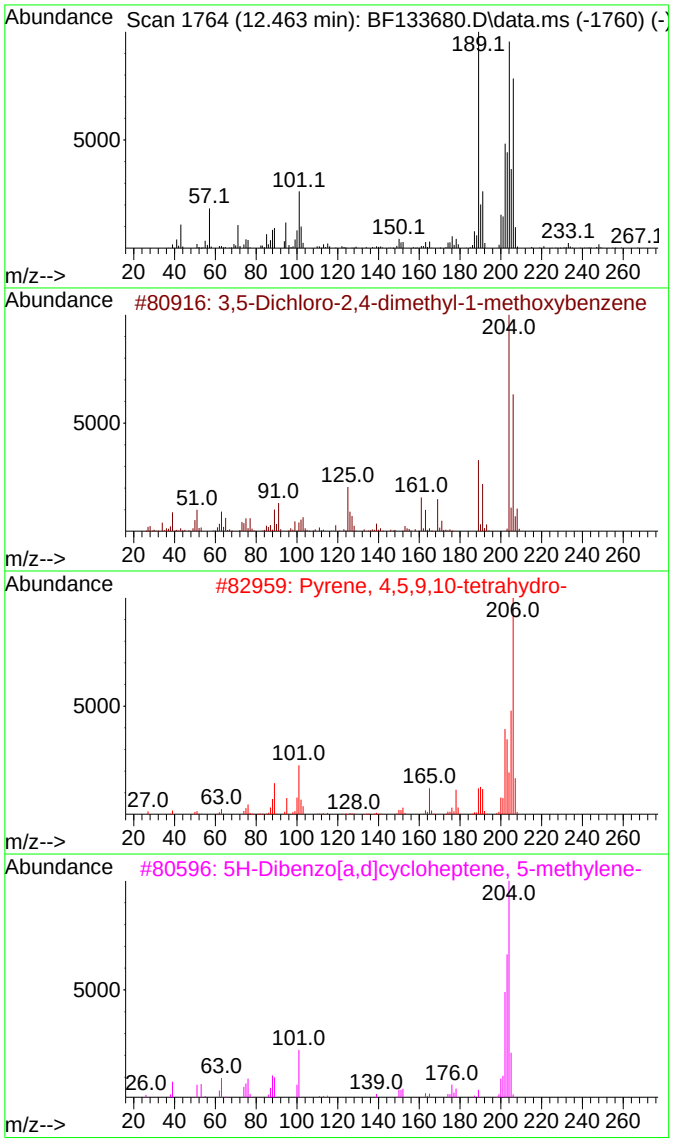
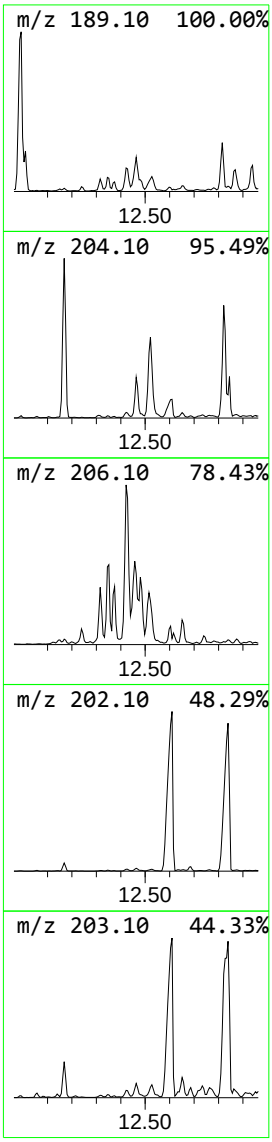
Peak Number 16 unknown12.463 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	26.35 ng	814462	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Data File : BF133680.D
Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

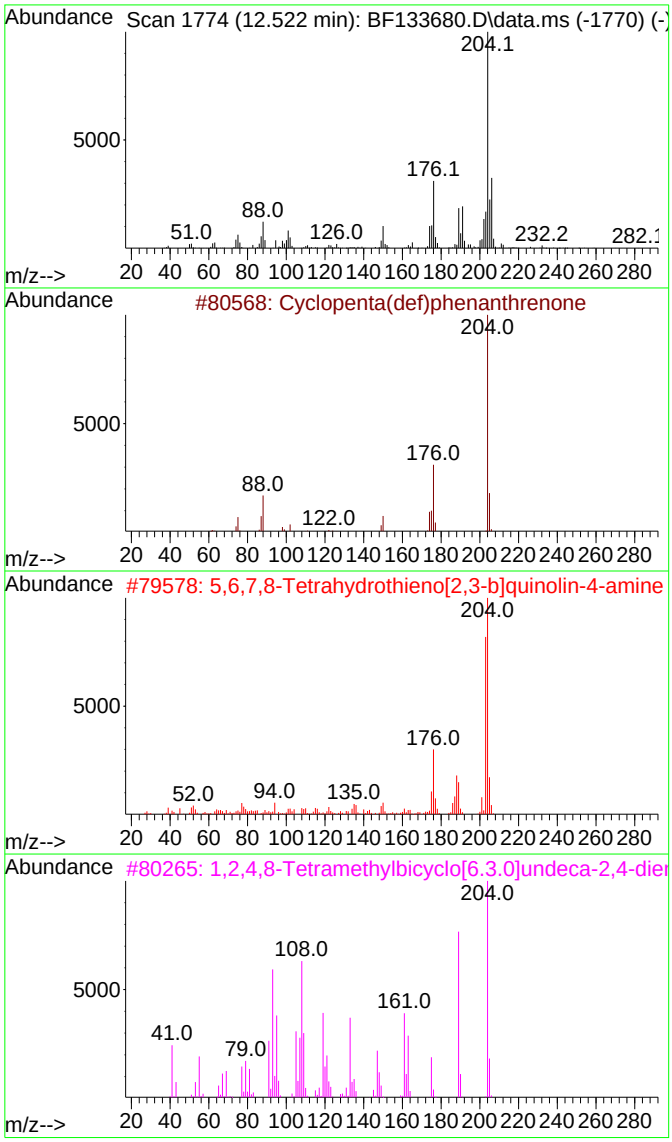
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

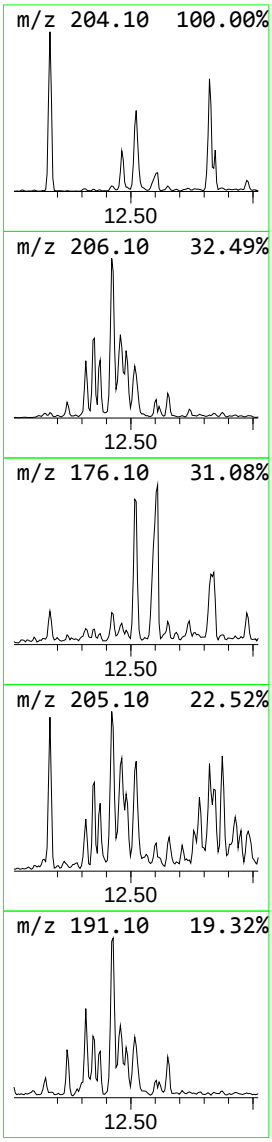
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	28.72 ng	887829	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
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Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

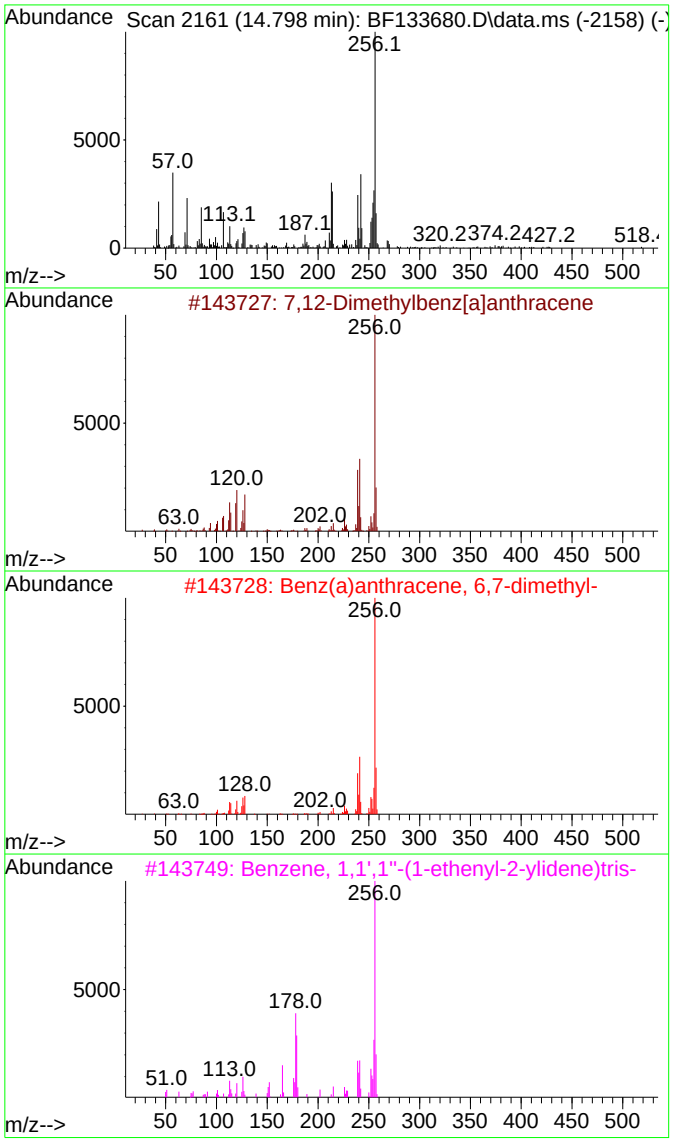
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

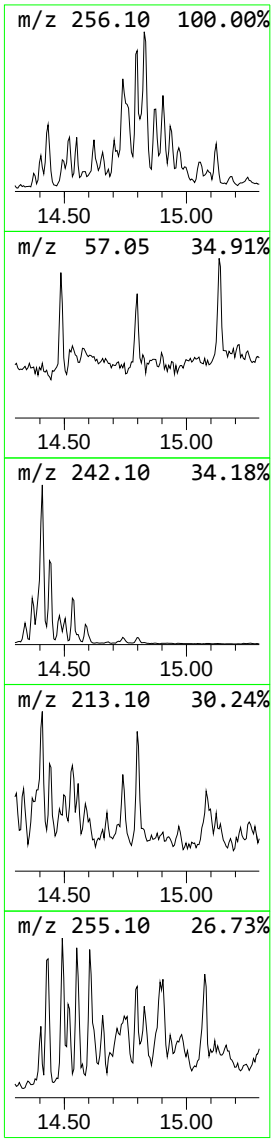
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 7,12-Dimethylbenz[a]anthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	16.49 ng	208655	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	55
2	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	55
3	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	49
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	46
5	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	45





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Data File : BF133680.D
Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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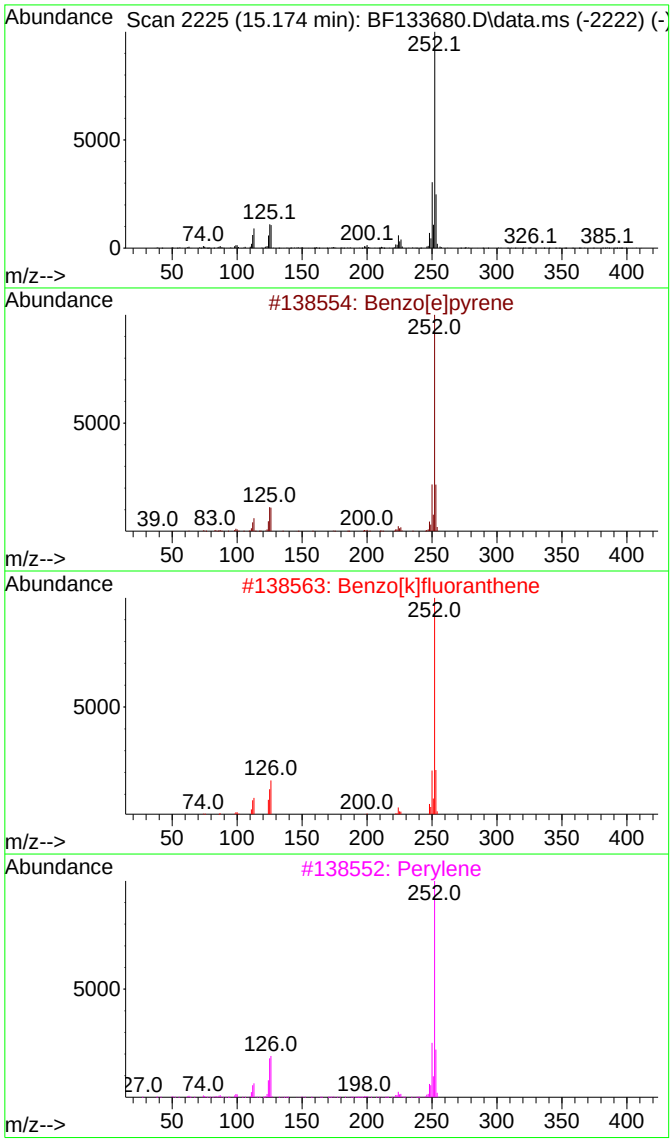
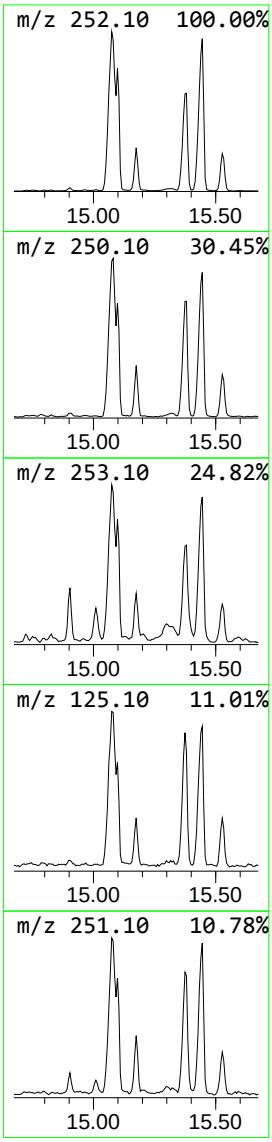
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	34.15 ng	432226	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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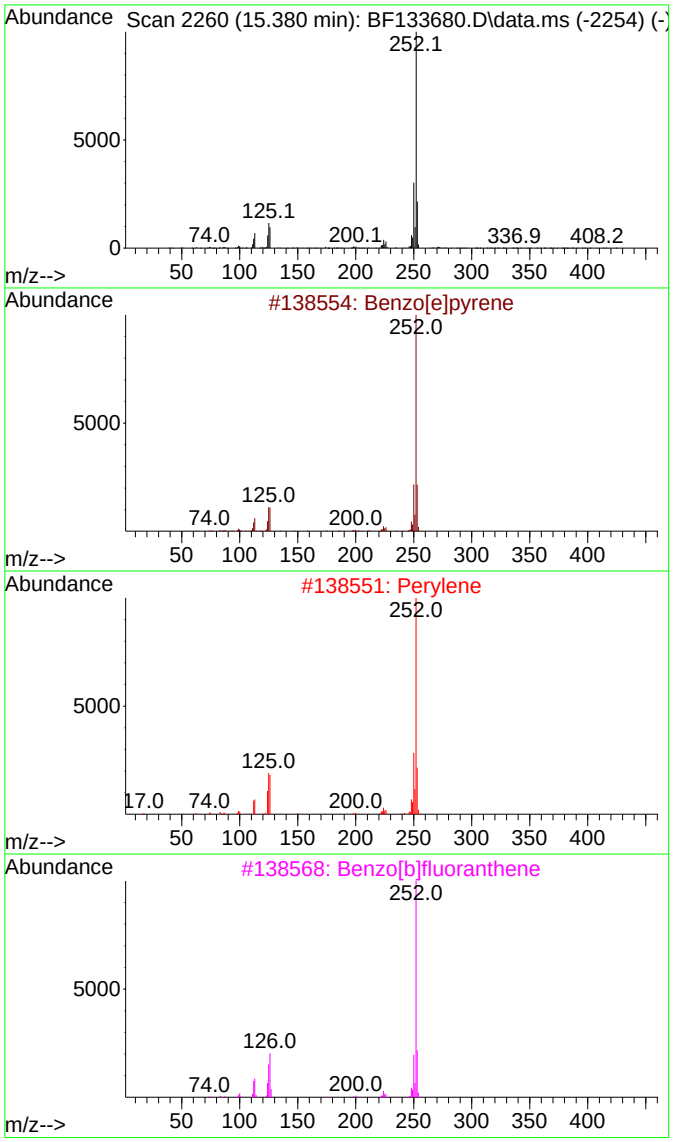
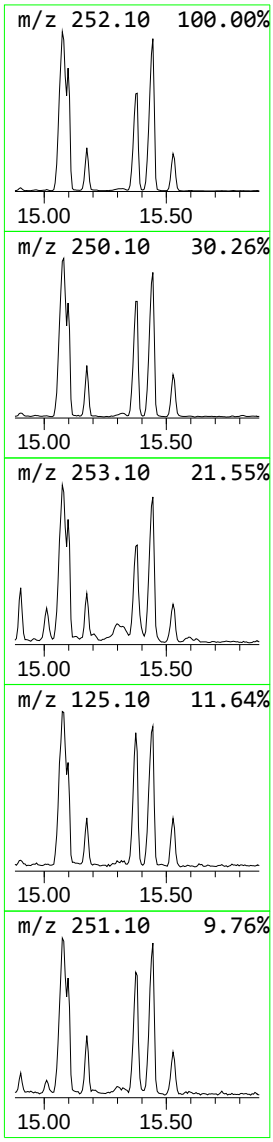
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	117.67 ng	1489270	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133680.D
Acq On : 09 Jun 2023 17:23
Operator : CG\JU
Sample : 03086-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-1-060723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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
Naphthalene, 2,...	9.534	14.7	ng	482697	3	9.875	654845	20.0
1(2H)-Acenaphth...	10.792	10.9	ng	335535	4	11.369	618274	20.0
9H-Fluorene, 1-...	10.975	17.3	ng	534265	4	11.369	618274	20.0
3'-Methyl-[1,1'...	11.216	11.3	ng	348290	4	11.369	618274	20.0
Naphtho[1,2-b]t...	11.263	18.3	ng	565383	4	11.369	618274	20.0
Dibenzothiophen...	11.698	11.6	ng	359612	4	11.369	618274	20.0
Phenanthrene, 4...	11.874	43.4	ng	1341270	4	11.369	618274	20.0
Phenanthrene, 2...	11.904	50.3	ng	1553360	4	11.369	618274	20.0
1H-Cyclopropa[l...	11.951	14.3	ng	442244	4	11.369	618274	20.0
4H-Cyclopenta[d...	11.986	72.5	ng	2242520	4	11.369	618274	20.0
1H-Indene, 1-ph...	12.010	28.2	ng	872104	4	11.369	618274	20.0
5,16[1',2']:8,1...	12.169	28.8	ng	888696	4	11.369	618274	20.0
9,10-Anthracene...	12.198	22.3	ng	688036	4	11.369	618274	20.0
Phenanthrene, 3...	12.345	12.5	ng	385187	4	11.369	618274	20.0
Phenanthrene, 2...	12.422	34.4	ng	1061840	4	11.369	618274	20.0
unknown12.463	12.463	26.4	ng	814462	4	11.369	618274	20.0
Cyclopenta(def)...	12.522	28.7	ng	887829	4	11.369	618274	20.0
7,12-Dimethylbe...	14.798	16.5	ng	208655	6	15.498	253128	20.0
Benzo[e]pyrene	15.174	34.1	ng	432226	6	15.498	253128	20.0
Perylene	15.380	117.7	ng	1489270	6	15.498	253128	20.0