LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136055.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	574	rVB	1128759	983439	12.32%	0.839%
2	6.445	738	741	744	rVB	1052968	841030	10.54%	0.717%
3	6.822	802	805	809	rBV	816820	653882	8.19%	0.558%
4	7.381	897	900	905	rVB	648465	523559	6.56%	0.446%
5	8.104	1017	1023	1024	rBV	941014	780825	9.79%	0.666%
6	8.122	1024	1026	1030	rVV	1274944	1108371	13.89%	0.945%
7	8.816	1141	1144	1147	rVB	619793	461912	5.79%	0.394%
8	8.916	1156	1161	1164	rVB	1658715	1388527	17.40%	1.184%
9	9.181	1203	1206	1209	rVB	1175986	852109	10.68%	0.727%
10	9.281	1216	1223	1226	rBV	587133	503084	6.30%	0.429%
11	9.445	1246	1251	1255	rBV2	712831	945434	11.85%	0.806%
12	9.522	1260	1264	1266	rBV	979019	922950	11.57%	0.787%
13	9.639	1281	1284	1285	rBV	575134	475208	5.96%	0.405%
14	9.722	1293	1298	1302	rBV	1890940	1582412	19.83%	1.349%
15	9.863	1320	1322	1324	rVV	882736	676899	8.48%	0.577%
16	9.892	1324	1327	1331	rVV2	935021	886518	11.11%	0.756%
17	9.969	1336	1340	1344	rVV	341550	397984	4.99%	0.339%
18	10.063	1350	1356	1360	rVV2	741621	922367	11.56%	0.786%
19	10.181	1371	1376	1379	rVV2	437506	540358	6.77%	0.461%
20	10.410	1412	1415	1422	rVV	1239016	1373884	17.22%	1.171%
21	10.480	1422	1427	1428	rVV2	290225	396258	4.97%	0.338%
22	10.522	1432	1434	1437	rVV	387637	394646	4.95%	0.337%
23	10.569	1439	1442	1445	rVV	416072	464311	5.82%	0.396%
24	10.651	1451	1456	1460	rVV3	946982	1078760	13.52%	0.920%
25	10.780	1475	1478	1483	rVB2	379160	434772	5.45%	0.371%
26	10.963	1504	1509	1512	rBV2	582328	739437	9.27%	0.631%
27	11.045	1520	1523	1526	rVV	480228	401146	5.03%	0.342%
28	11.251	1555	1558	1564	rVB	1454095	1359971	17.04%	1.160%
29	11.357	1572	1576	1578	rBV	832539	860456	10.78%	0.734%
30	11.386	1578	1581	1584	rVV	4735309	4096958	51.34%	3.493%
31	11.433	1584	1589	1592	rVV	2179904	1859388	23.30%	1.585%
32	11.469	1592	1595	1598	rVV	365122	454289	5.69%	0.387%
33	11.657	1625	1627	1630	rVV2	560903	498842	6.25%	0.425%
34	11.692	1630	1633	1636	rVB	1094941	941237	11.80%	0.803%
35	11.775	1644	1647	1651	rVB	798417	866687	10.86%	0.739%
36	11.863	1659	1662	1665	rVV2	1871032	2076907	26.03%	1.771%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
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Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.892	1665	1667	1671	rVB	1839505	1445206	18.11%	1.232%
38	11.939	1672	1675	1678	rVV	808332	773948	9.70%	0.660%
39	11.980	1678	1682	1684	rVV	3084157	3526131	44.19%	3.007%
40	11.998	1684	1685	1690	rVV	1531407	1150171	14.41%	0.981%
41	12.075	1692	1698	1700	rVV4	247610	389364	4.88%	0.332%
42	12.098	1700	1702	1704	rVV	513216	368758	4.62%	0.314%
43	12.163	1706	1713	1715	rVV2	1240350	1439623	18.04%	1.228%
44	12.192	1715	1718	1721	rVV	538989	687267	8.61%	0.586%
45	12.263	1724	1730	1733	rVV3	305077	596527	7.48%	0.509%
46	12.292	1733	1735	1737	rVV	508899	515259	6.46%	0.439%
47	12.310	1737	1738	1741	rVV	394114	420225	5.27%	0.358%
48	12.345	1741	1744	1746	rVV	700447	757642	9.49%	0.646%
49	12.369	1746	1748	1750	rVB2	559882	455637	5.71%	0.389%
50	12.422	1750	1757	1760	rBV	1597282	1948016	24.41%	1.661%
51	12.457	1760	1763	1765	rVV2	1182932	1451400	18.19%	1.238%
52	12.516	1769	1773	1776	rVV3	665369	1032709	12.94%	0.881%
53	12.592	1781	1786	1789	rVV	5032499	5466315	68.50%	4.661%
54	12.633	1789	1793	1794	rVV	486495	554209	6.95%	0.473%
55	12.674	1797	1800	1804	rVV	1126059	1166199	14.61%	0.994%
56	12.733	1807	1810	1815	rVV3	834305	1207437	15.13%	1.030%
57	12.822	1819	1825	1830	rVV	5664905	7979814	100.00%	6.804%
58	12.869	1830	1833	1837	rVB3	499641	563343	7.06%	0.480%
59	12.927	1840	1843	1845	rVV2	414584	415674	5.21%	0.354%
60	12.957	1845	1848	1855	rVB2	1325456	1653148	20.72%	1.410%
61	13.033	1857	1861	1864	rVV2	913571	1227931	15.39%	1.047%
62	13.086	1868	1870	1872	rBV	480162	418062	5.24%	0.356%
63	13.121	1872	1876	1877	rVV2	895552	1091617	13.68%	0.931%
64	13.145	1877	1880	1883	rVB	2108496	2064517	25.87%	1.760%
65	13.186	1883	1887	1888	rBV3	384036	412081	5.16%	0.351%
66	13.210	1888	1891	1894	rVV	1610130	1630731	20.44%	1.391%
67	13.251	1894	1898	1902	rVV2	1554670	1677644	21.02%	1.431%
68	13.316	1905	1909	1911	rBV3	294956	403143	5.05%	0.344%
69	13.339	1911	1913	1916	rVV	1197295	1159097	14.53%	0.988%
70	13.374	1916	1919	1922	rVB	1343745	1241752	15.56%	1.059%
71	13.551	1946	1949	1951	rBV3	340125	380167	4.76%	0.324%
72	13.633	1959	1963	1965	rBV	385492	557030	6.98%	0.475%
73	13.769	1981	1986	1988	rVV	1365761	1581067	19.81%	1.348%
74	13.798	1988	1991	1993	rVV	972094	962135	12.06%	0.820%
75	13.821	1993	1995	1998	rVV2	611211	663207	8.31%	0.566%
76	14.016	2023	2028	2031	rBV2	3772870	5219131	65.40%	4.450%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.051	2031	2034	2039	rVB	3292818	3778714	47.35%	3.222%
78	14.110	2041	2044	2046	rBV	450450	396097	4.96%	0.338%
79	14.163	2051	2053	2055	rBV	373936	369841	4.63%	0.315%
80	14.274	2070	2072	2076	rVB	455618	478896	6.00%	0.408%
81	14.345	2081	2084	2087	rBV3	292497	368946	4.62%	0.315%
82	14.374	2087	2089	2091	rVV	357376	379367	4.75%	0.323%
83	14.410	2091	2095	2099	rVV	1322026	1873787	23.48%	1.598%
84	14.445	2099	2101	2104	rVV	919709	821695	10.30%	0.701%
85	14.480	2105	2107	2109	rVV2	411123	506424	6.35%	0.432%
86	14.504	2109	2111	2114	rVV2	949289	1039695	13.03%	0.887%
87	14.539	2114	2117	2118	rVV	880035	895951	11.23%	0.764%
88	14.557	2118	2120	2124	rVV2	973420	1016298	12.74%	0.867%
89	14.610	2125	2129	2132	rVV3	494736	694912	8.71%	0.593%
90	14.663	2136	2138	2144	rVB2	304439	391805	4.91%	0.334%
91	15.086	2204	2210	2213	rBV	1886156	3325518	41.67%	2.836%
92	15.192	2224	2228	2232	rVB	687355	798164	10.00%	0.681%
93	15.392	2257	2262	2268	rVB	1289872	1807375	22.65%	1.541%
94	15.463	2268	2274	2279	rBV	2160354	2881308	36.11%	2.457%
95	15.521	2280	2284	2286	rVV	535837	689519	8.64%	0.588%
96	15.551	2286	2289	2296	rVB2	536881	840274	10.53%	0.716%
97	16.098	2379	2382	2387	rVB2	299647	407261	5.10%	0.347%
98	17.045	2536	2543	2551	rVB2	685673	1493011	18.71%	1.273%
99	17.509	2615	2622	2631	rVB	583896	1233624	15.46%	1.052%
100	17.745	2658	2662	2669	rVB	208041	389384	4.88%	0.332%

Sum of corrected areas: 117276017

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
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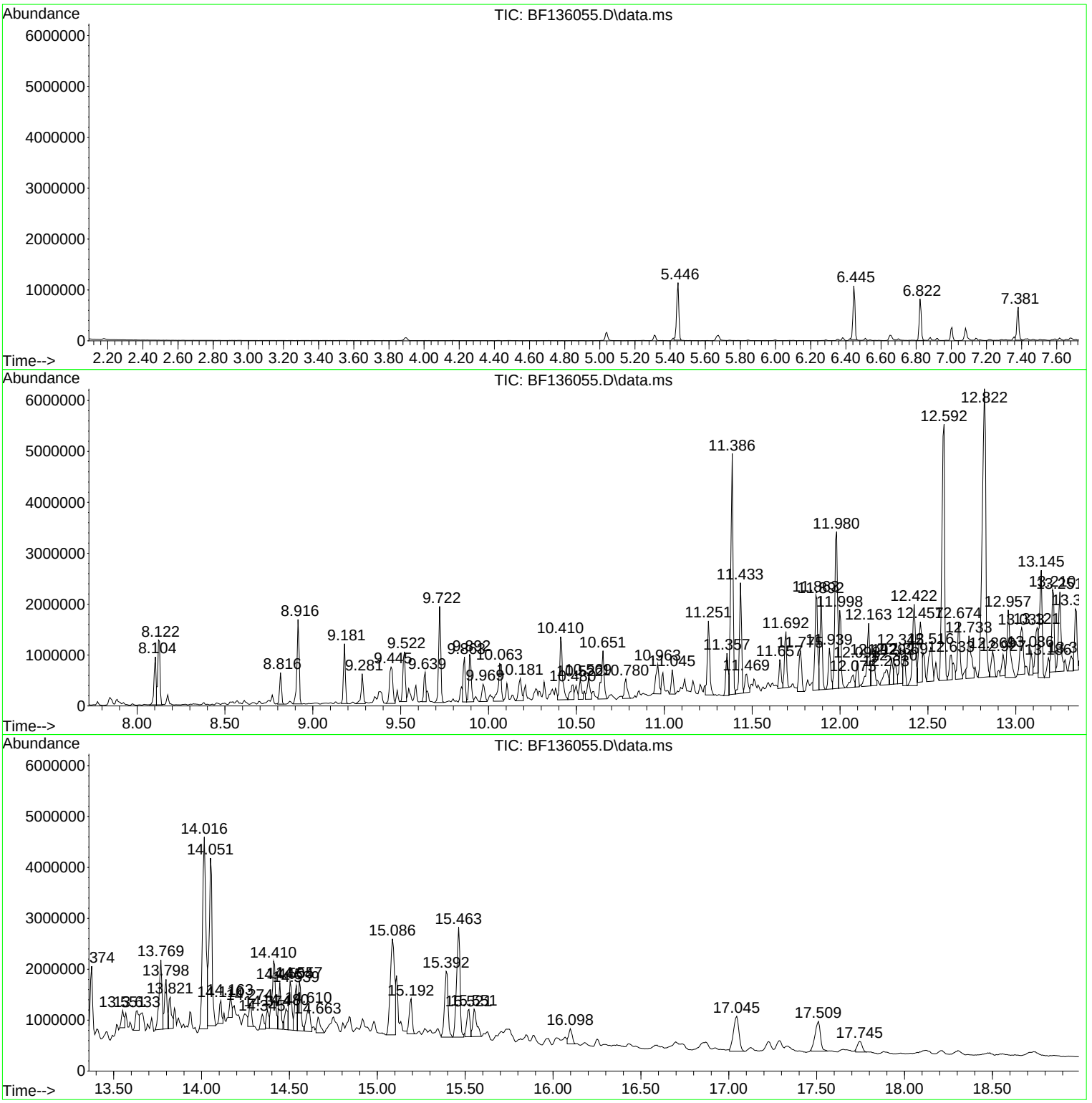
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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\BF103123\
Data File : BF136055.D
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Misc :
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Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

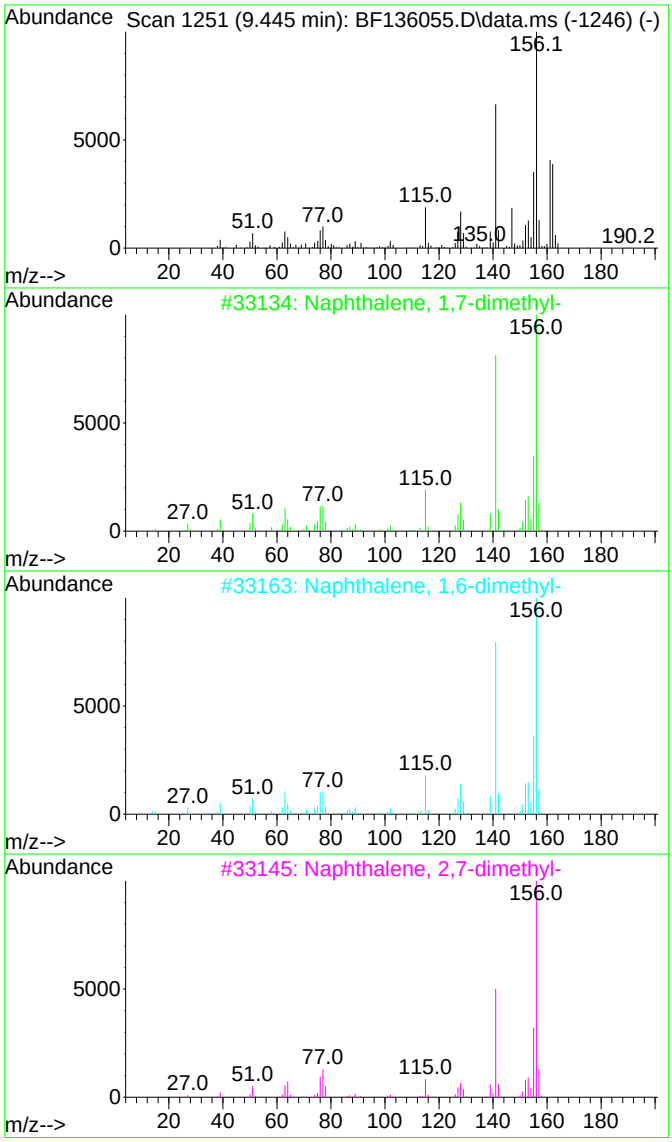
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

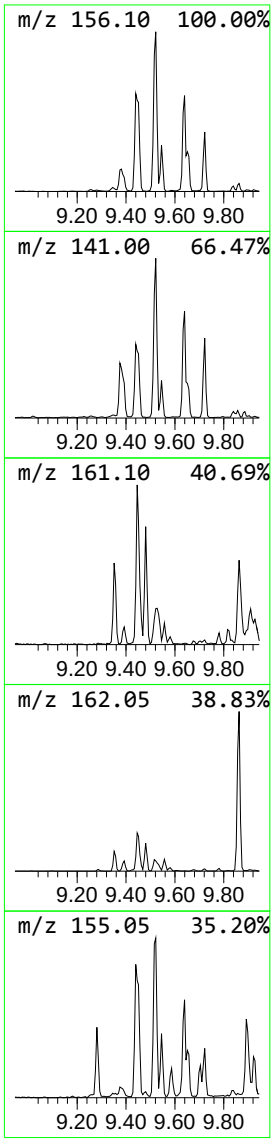
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	27.93 ng	945434	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

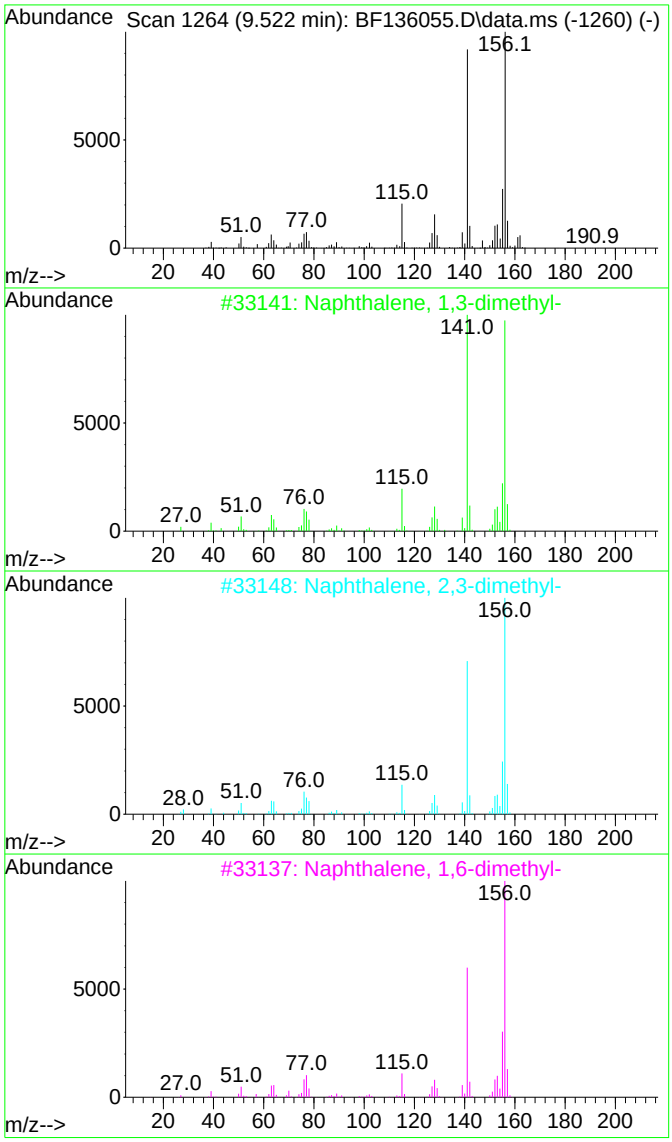
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

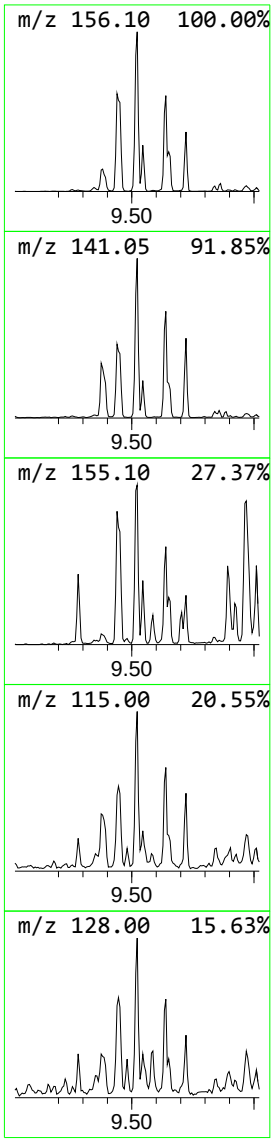
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	27.27 ng	922950	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

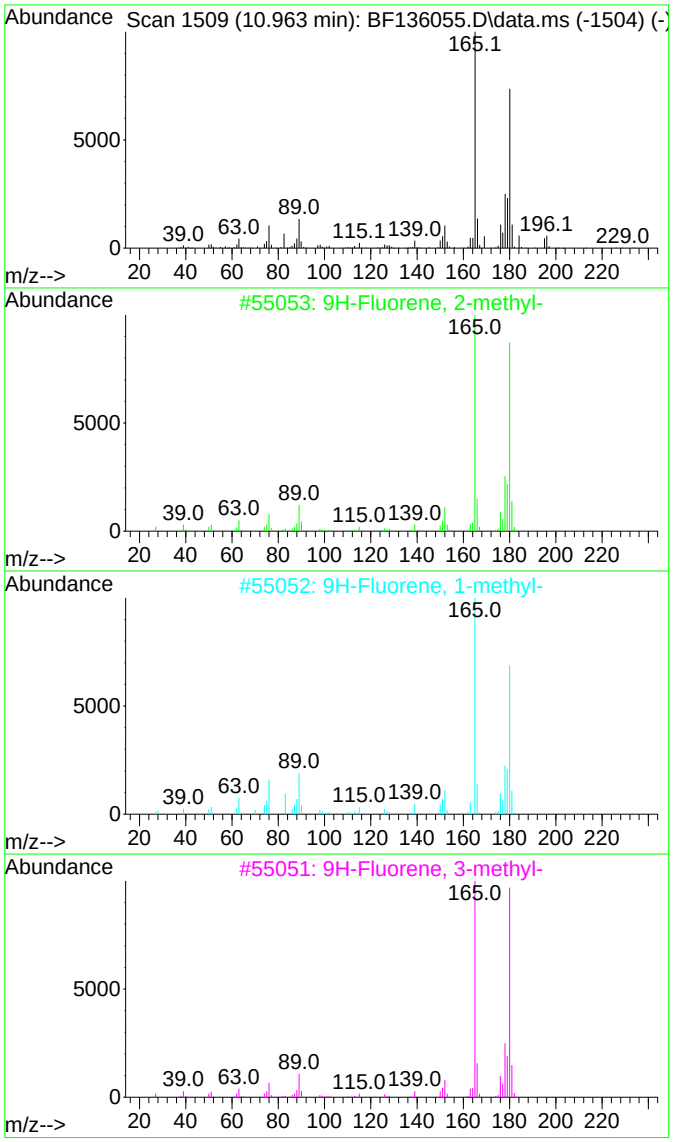
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

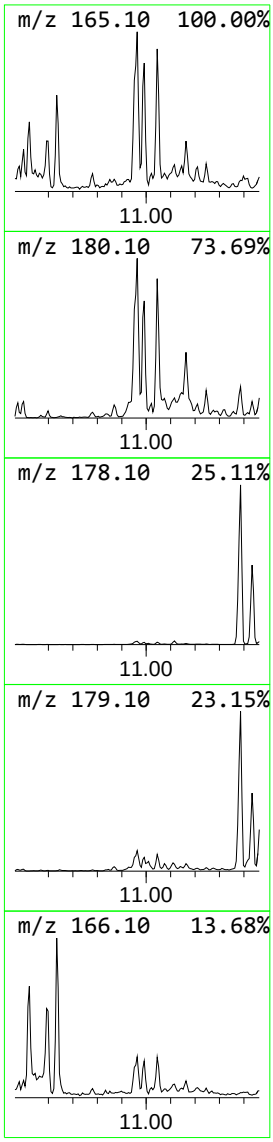
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	17.19 ng	739437	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

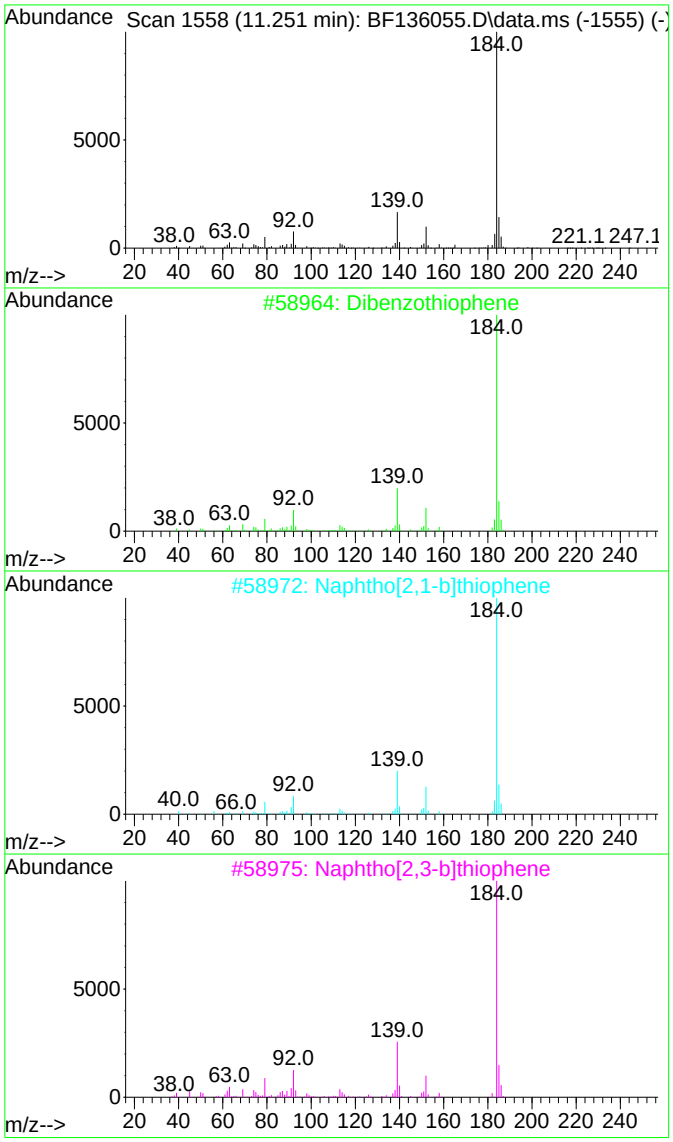
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

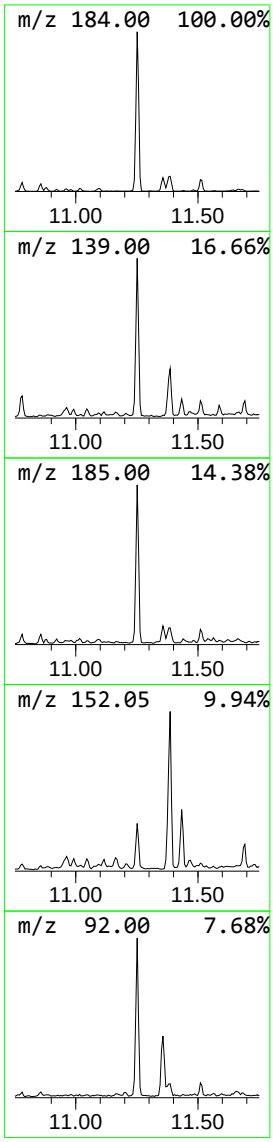
****

Peak Number 4 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	31.61 ng	1359970	Phenanthrene-d10	11.357

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	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

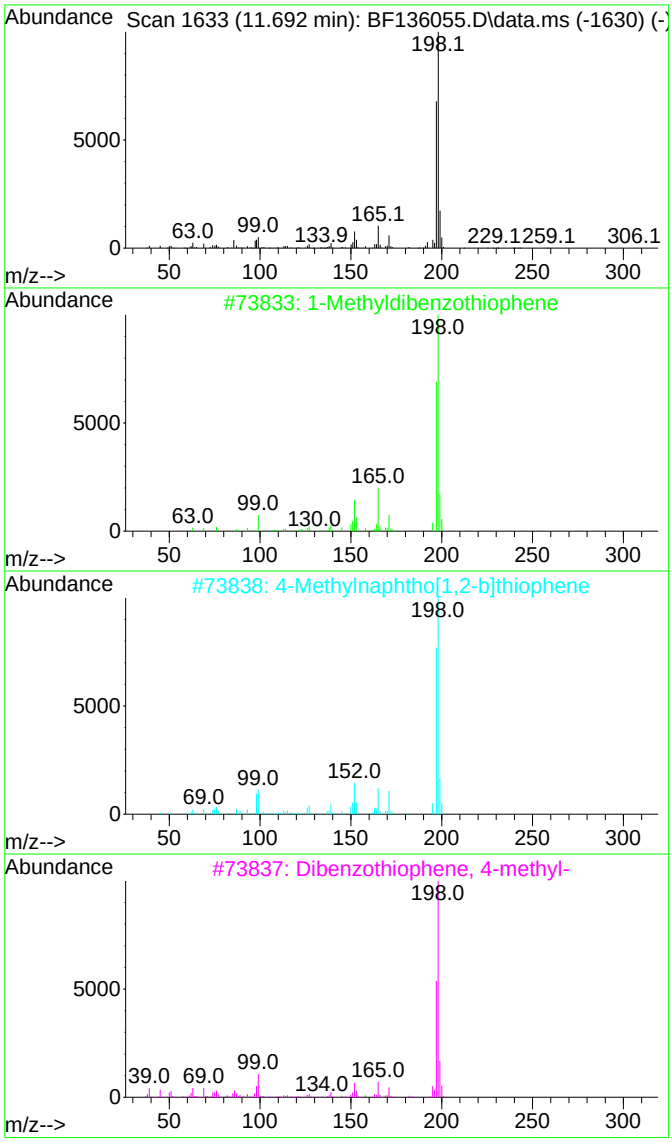
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

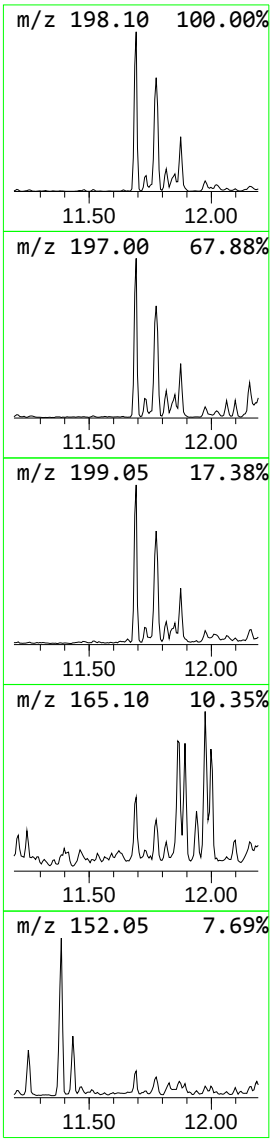
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	21.88 ng	941237	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91





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Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-2(0-5)

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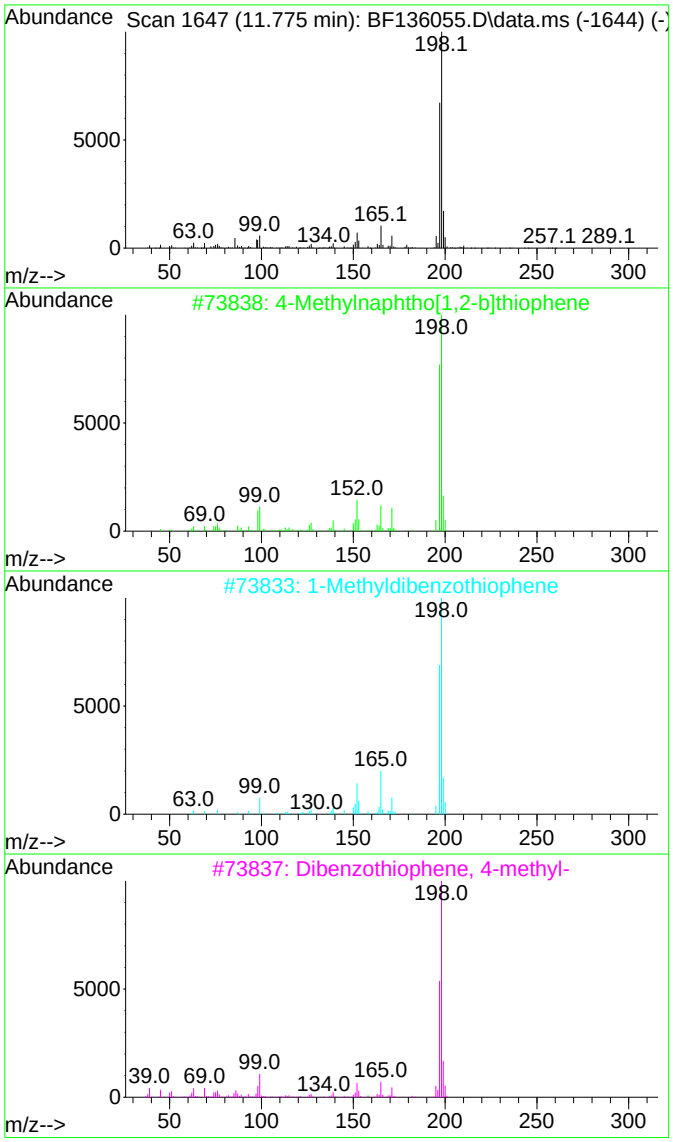
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

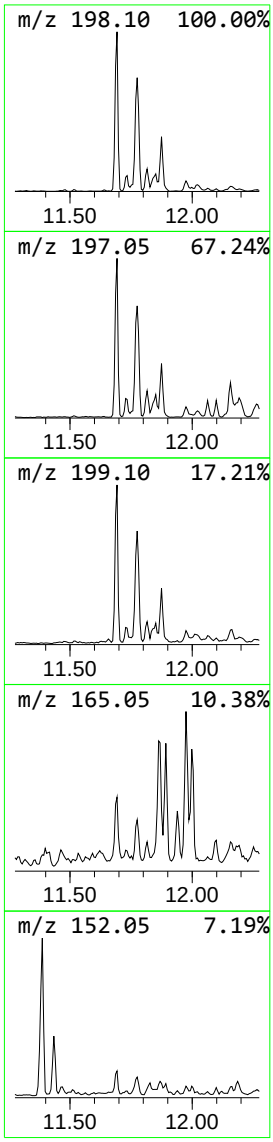
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	20.14 ng	866687	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94





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Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

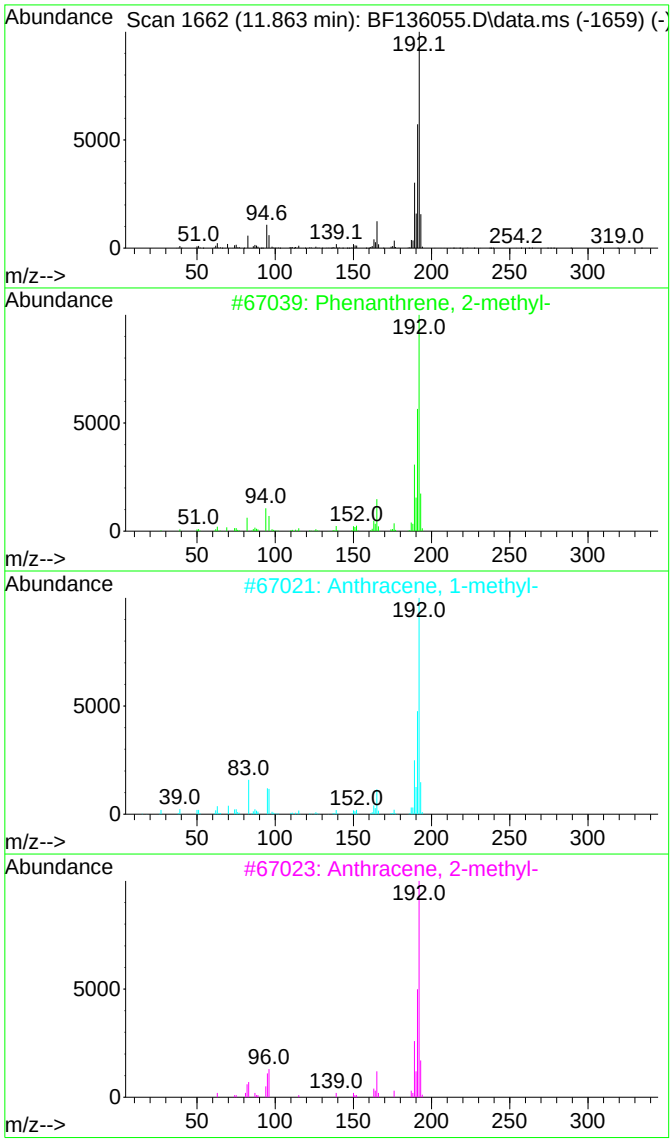
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

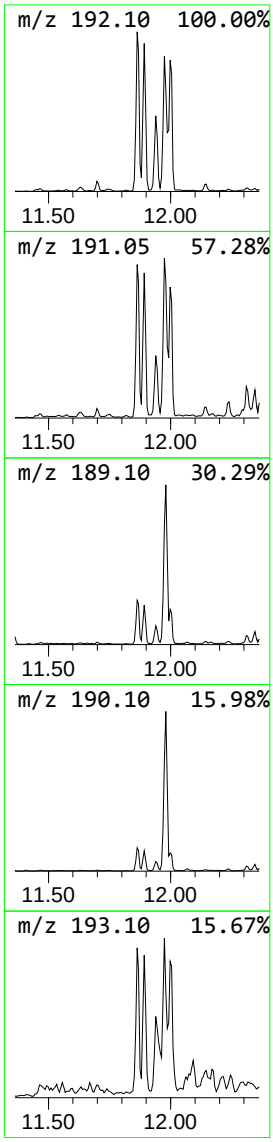
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	48.27 ng	2076910	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





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Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

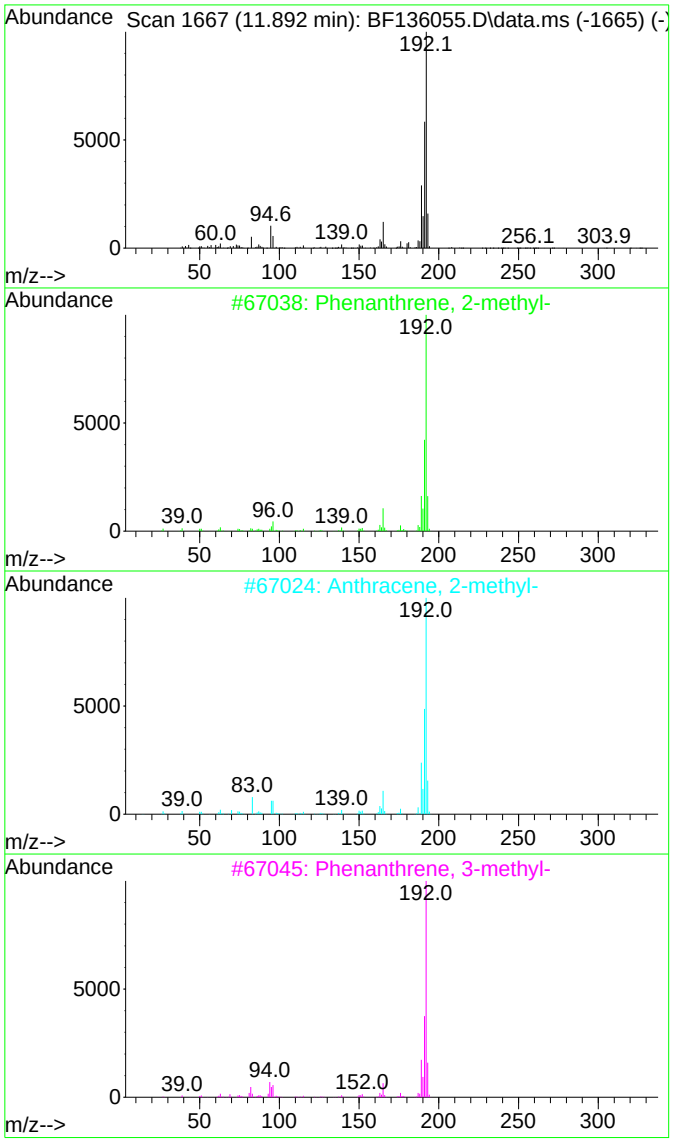
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

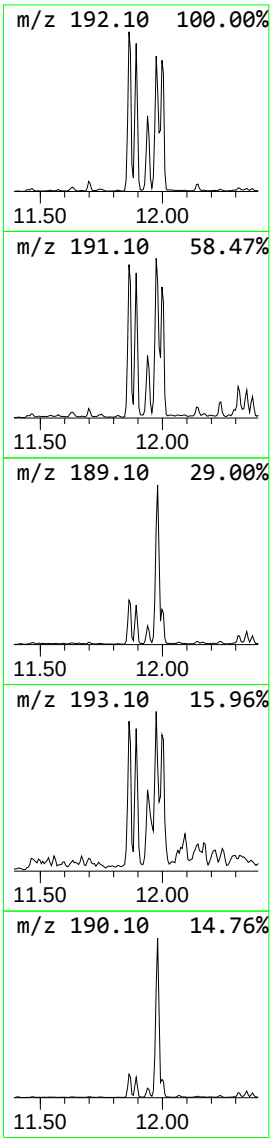
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	33.59 ng	1445210	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

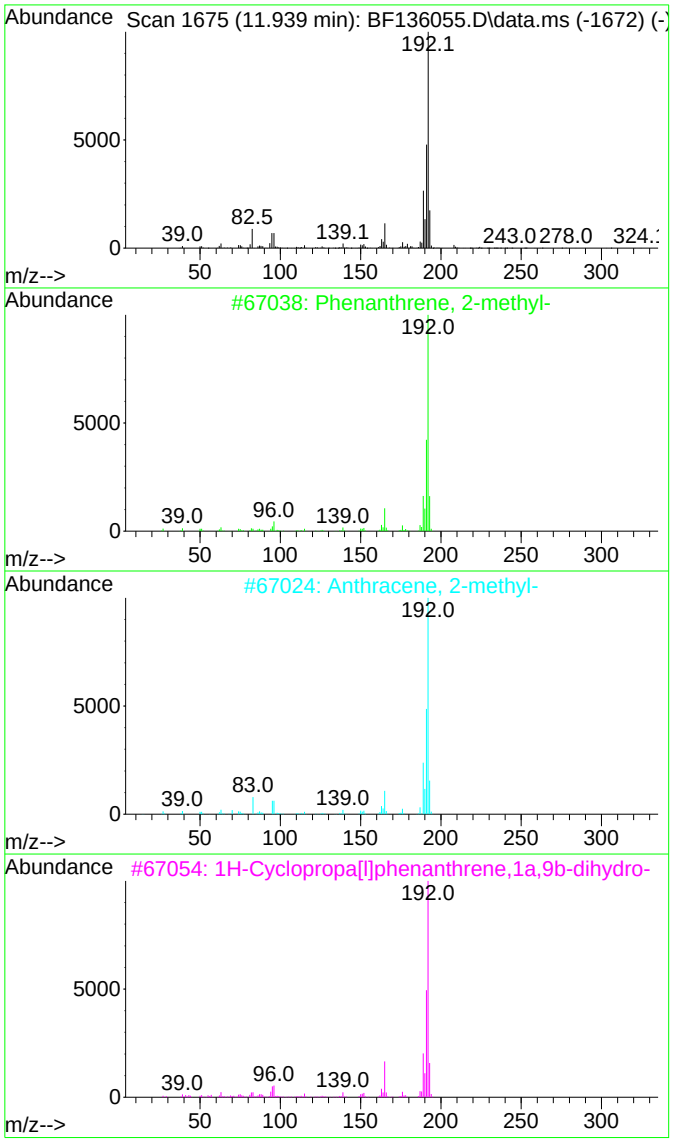
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

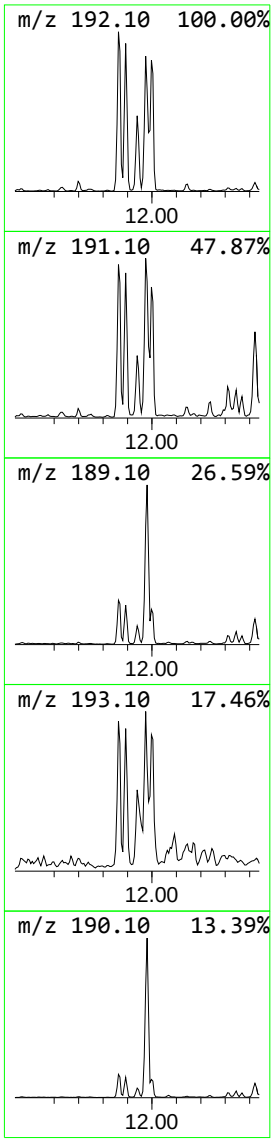
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	17.99 ng	773948	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

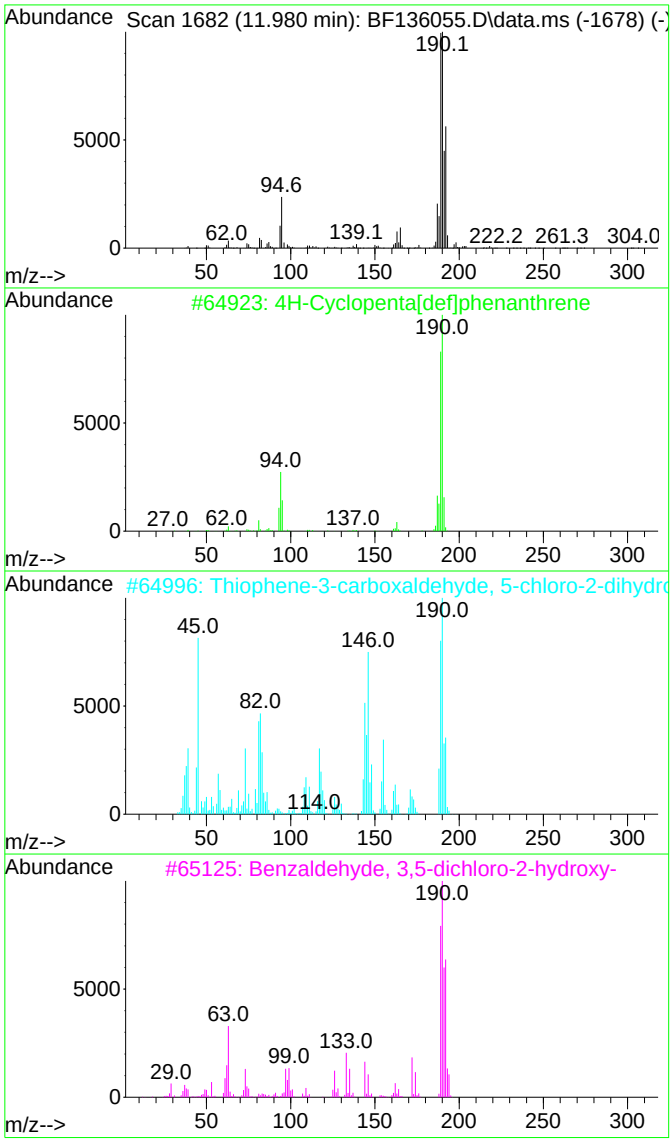
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

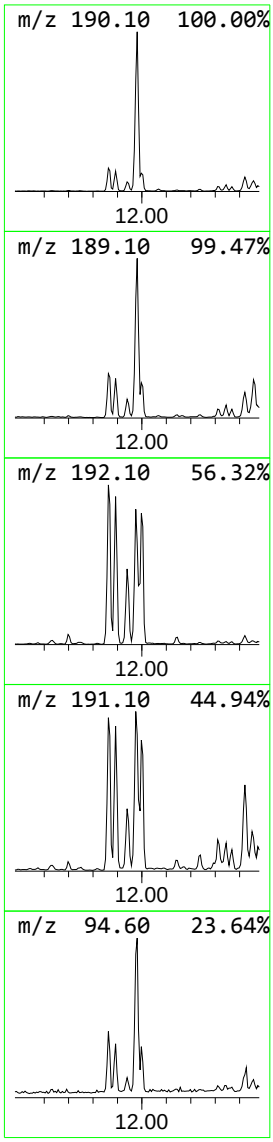
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	81.96 ng	3526130	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	43
5	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43





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Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-2(0-5)

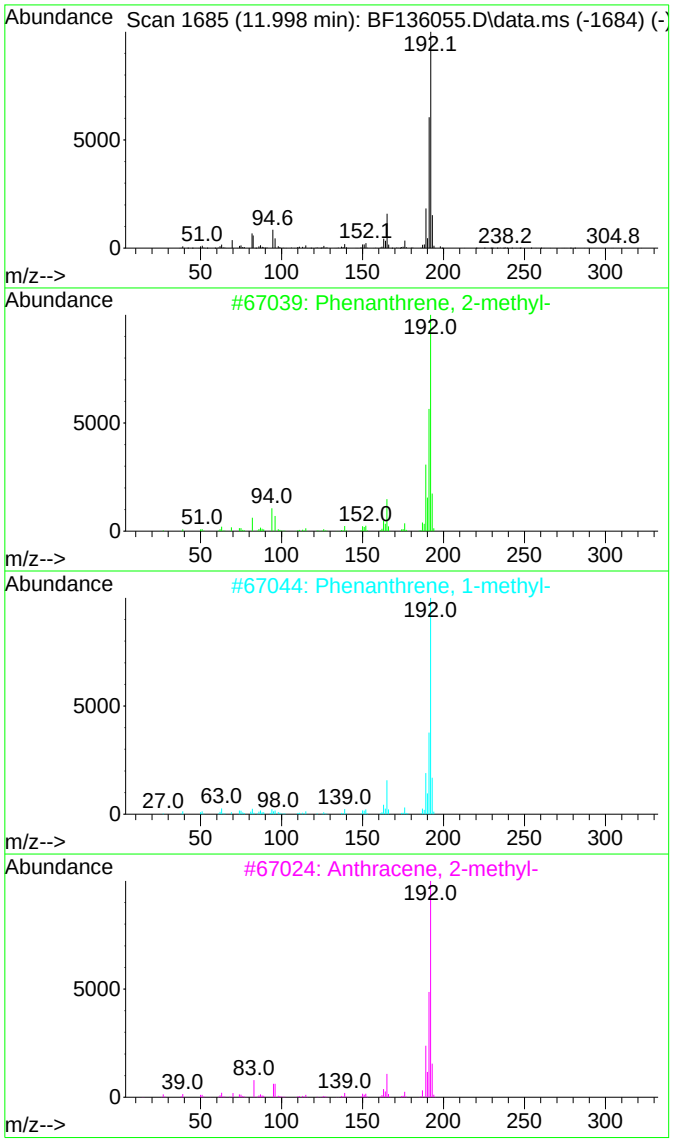
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

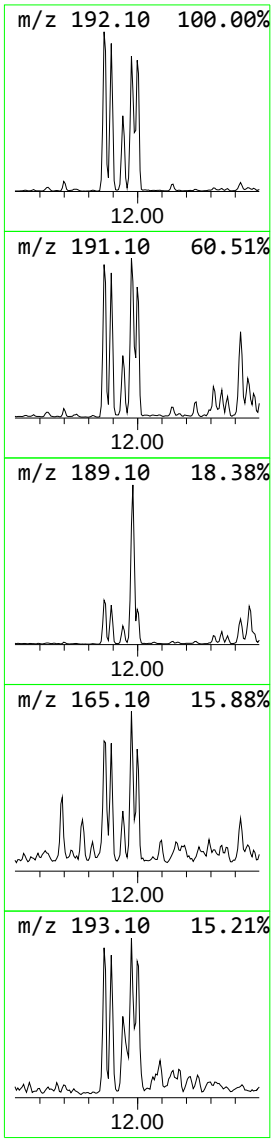
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	26.73 ng	1150170	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





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Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

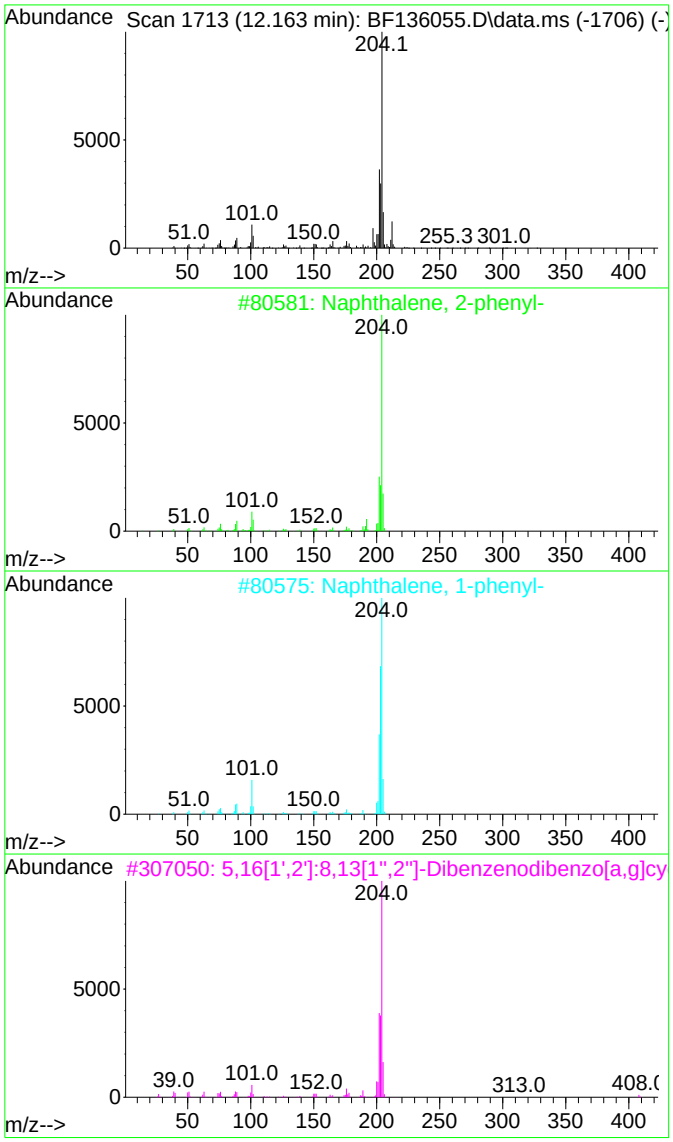
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

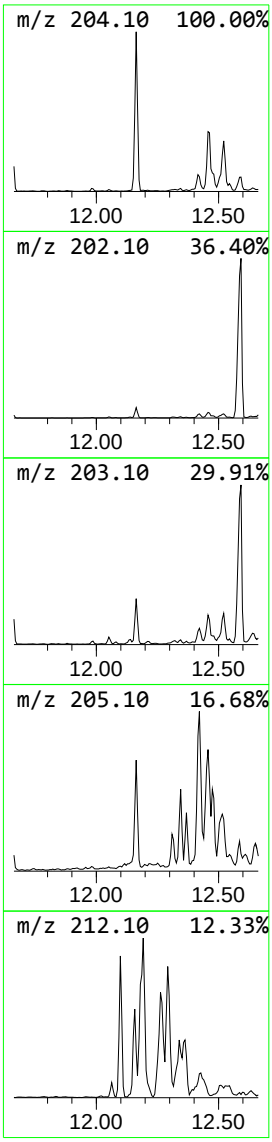
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	33.46 ng	1439620	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53





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Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-2(0-5)

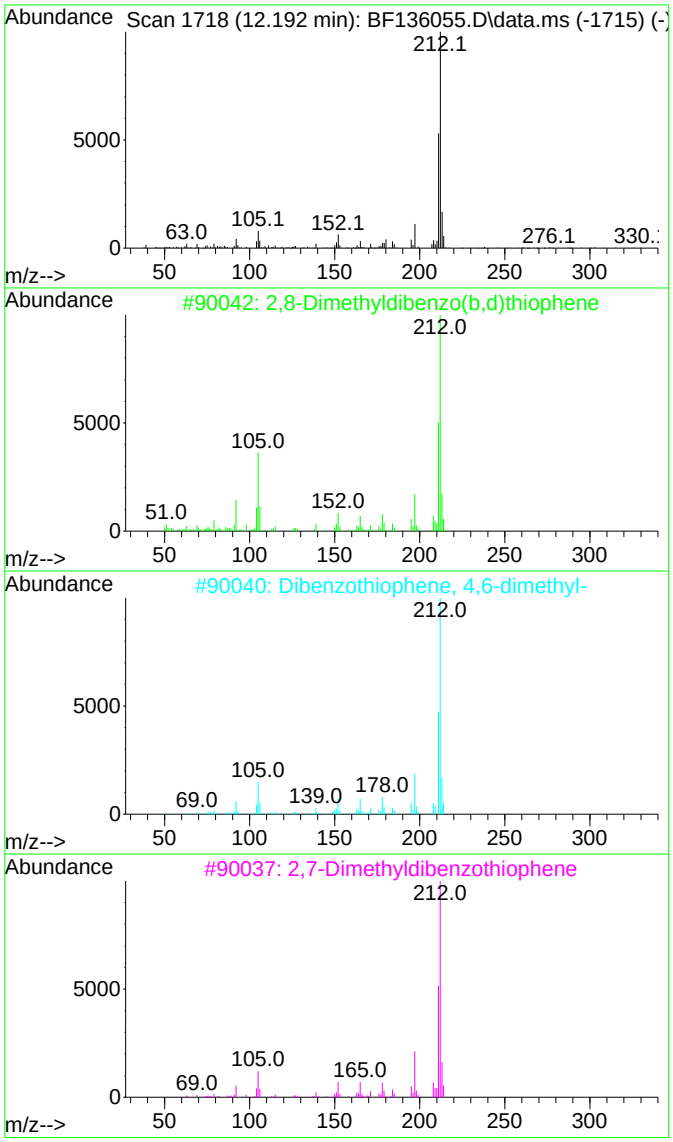
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

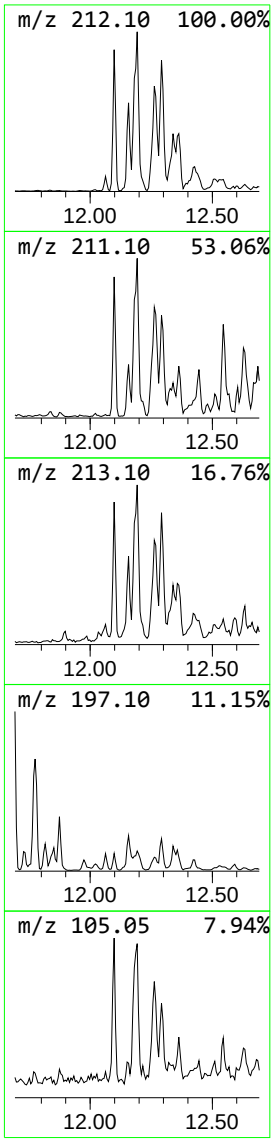
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	15.97 ng	687267	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	91
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	91
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	91
4	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	90
5	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	83





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Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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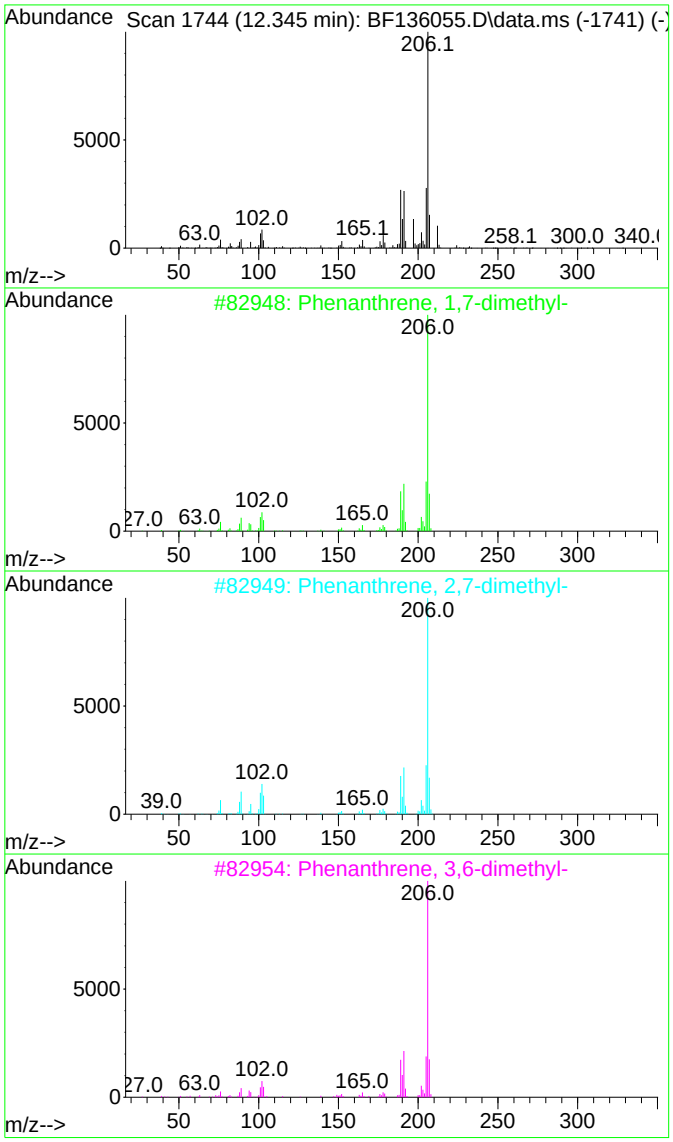
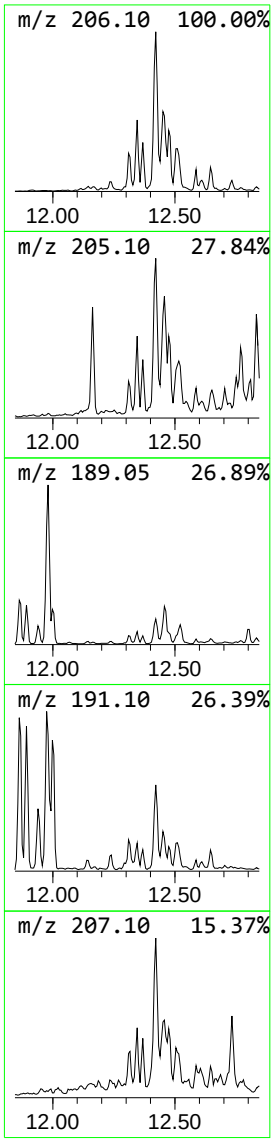
Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	17.61 ng	757642	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	68
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	64





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

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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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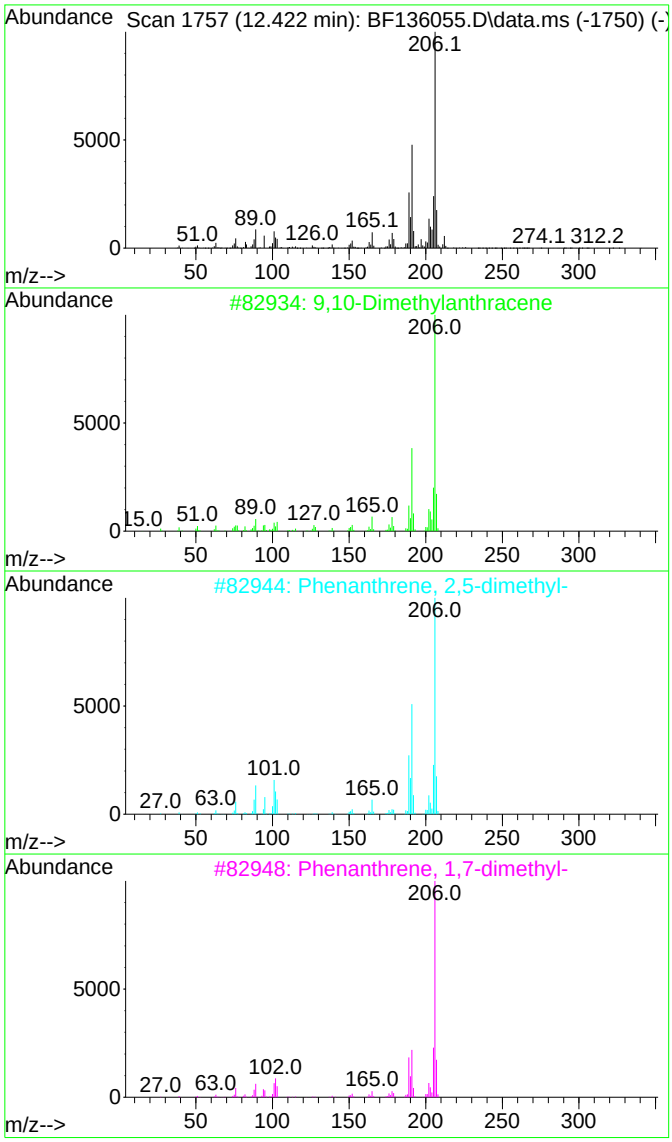
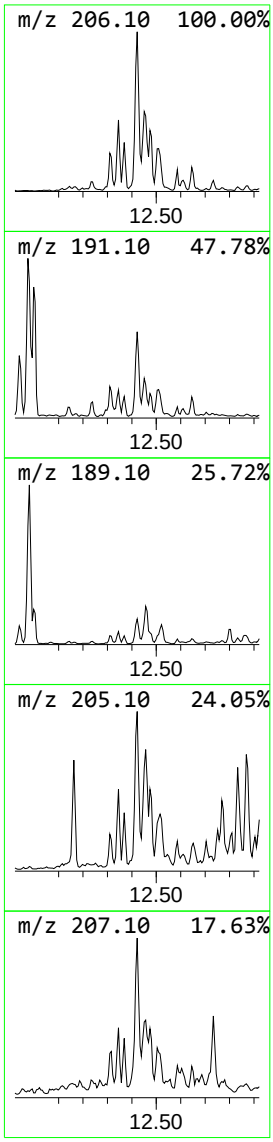
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	45.28 ng	1948020	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
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	91





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ClientSampleId :
M-2(0-5)

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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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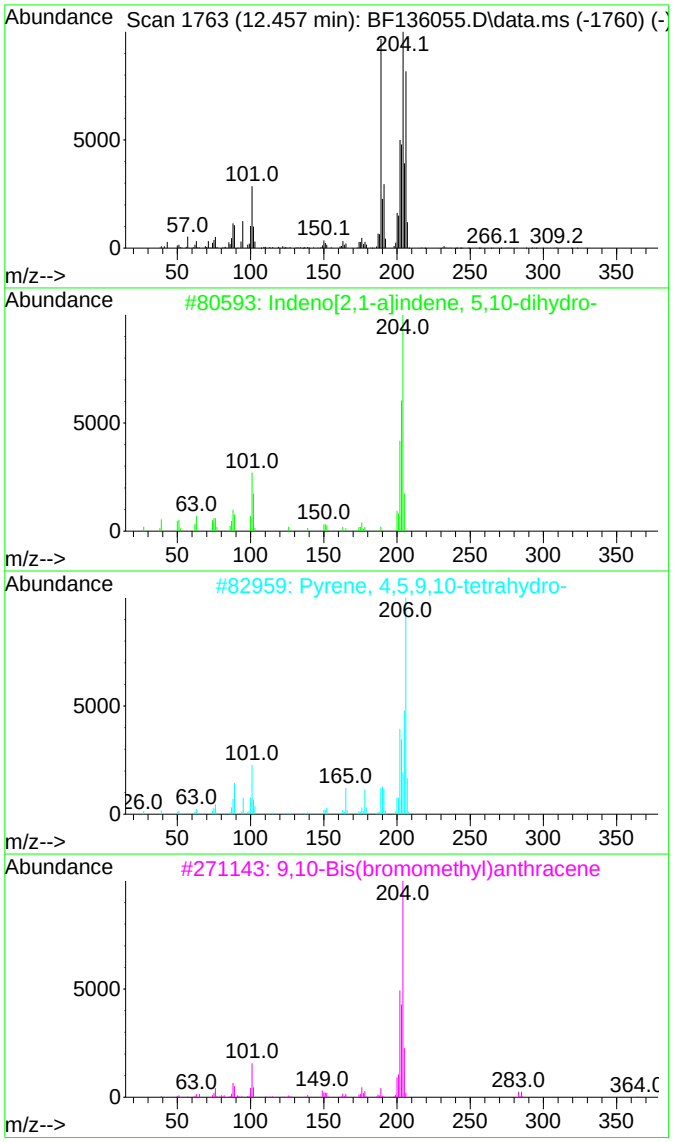
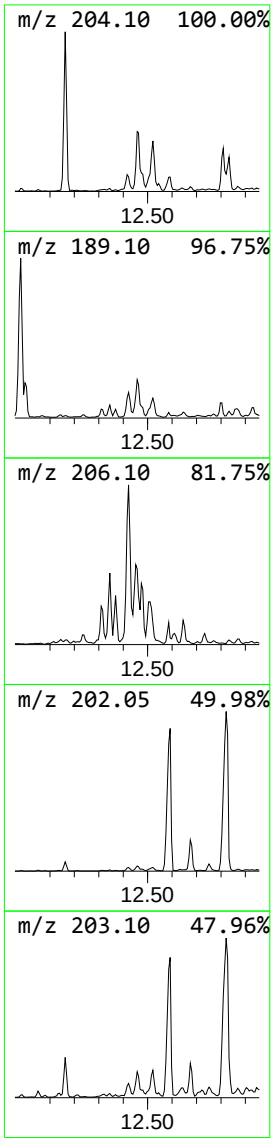
Peak Number 16 unknown12.457 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	33.74 ng	1451400	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

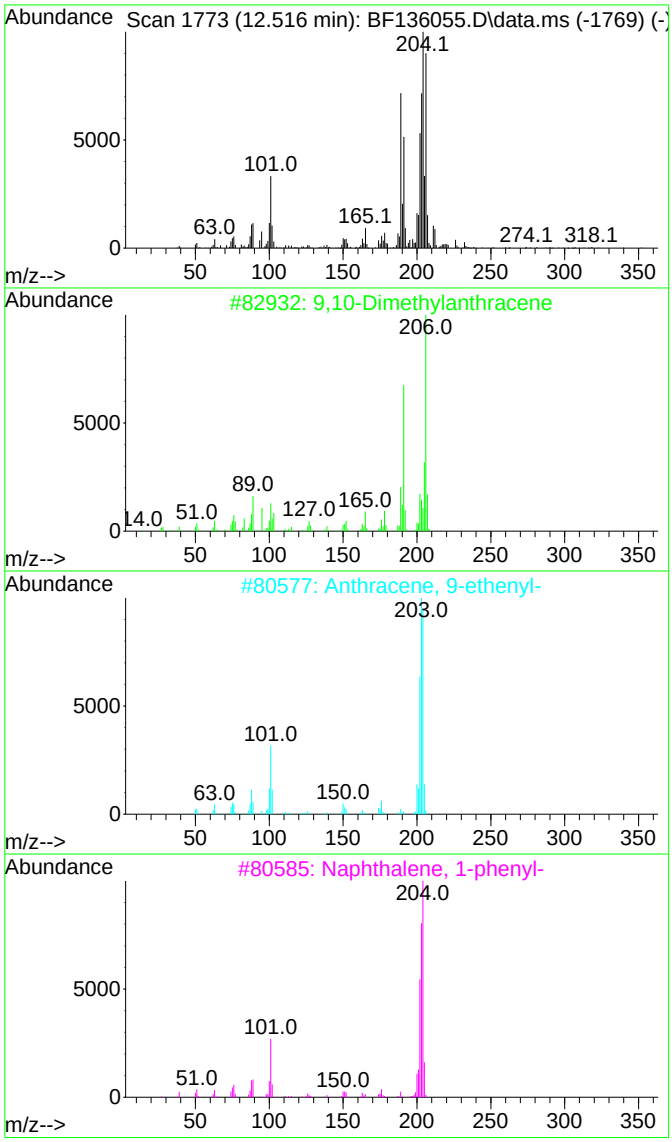
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

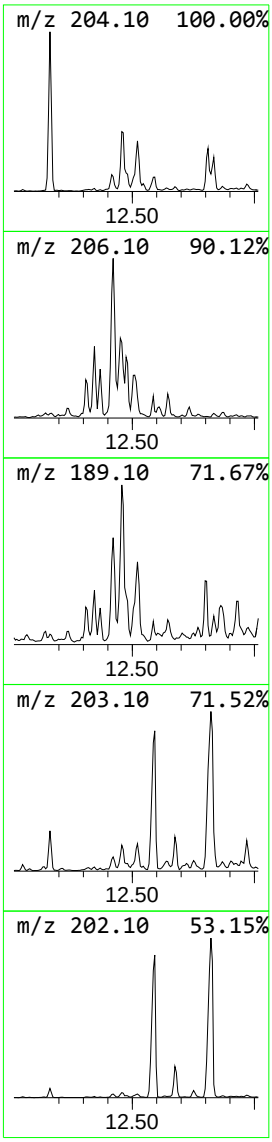
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Anthracene, 9-ethenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	24.00 ng	1032710	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	80
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

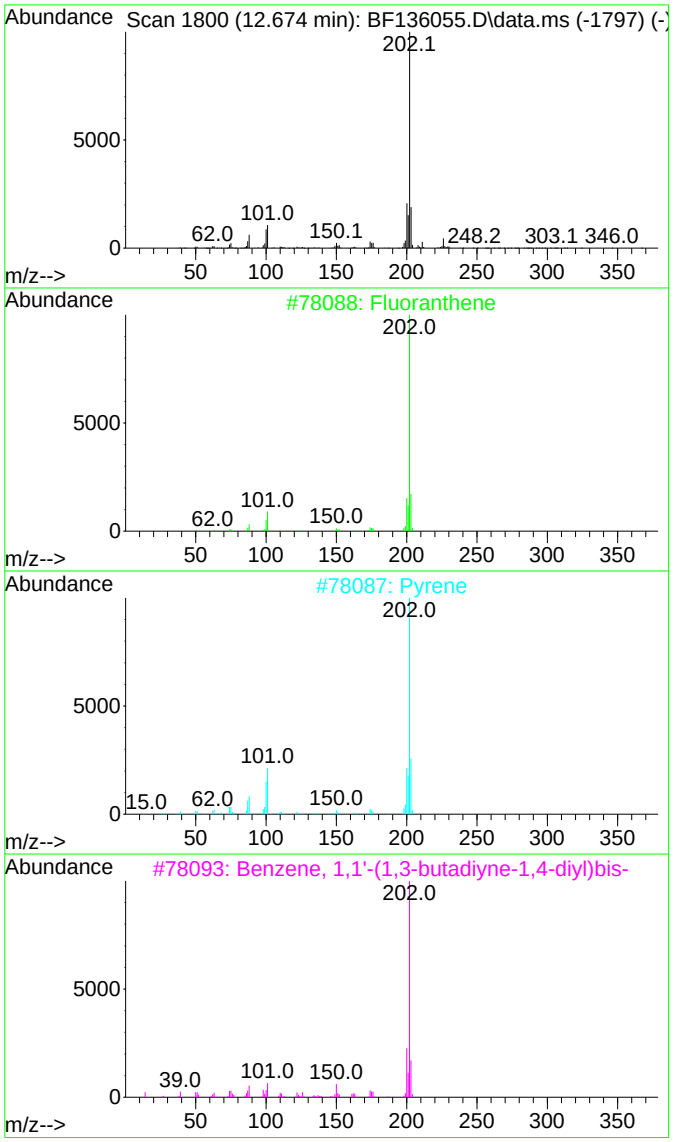
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

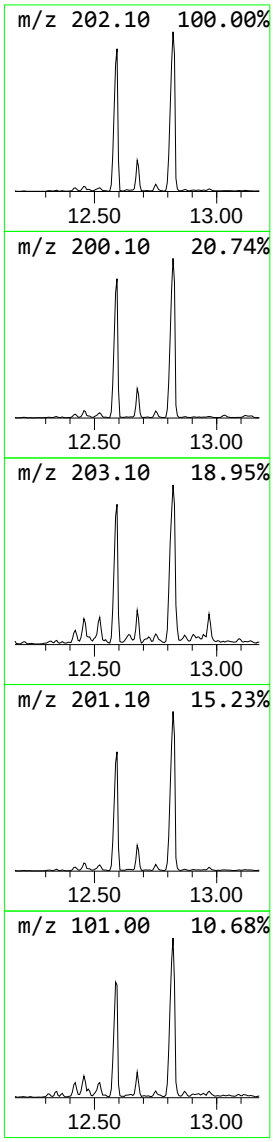
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.675	27.11 ng	1166200	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	96
2	Pyrene	202	C16H10	000129-00-0	95
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	2-pyrazinol, 3-bromo-5,6-dimethyl-	202	C6H7BrN2O	1010396-05-3	38
5	Furan-2-one, 2,5-dihydro-5-(4-me...	202	C12H10O3	024962-84-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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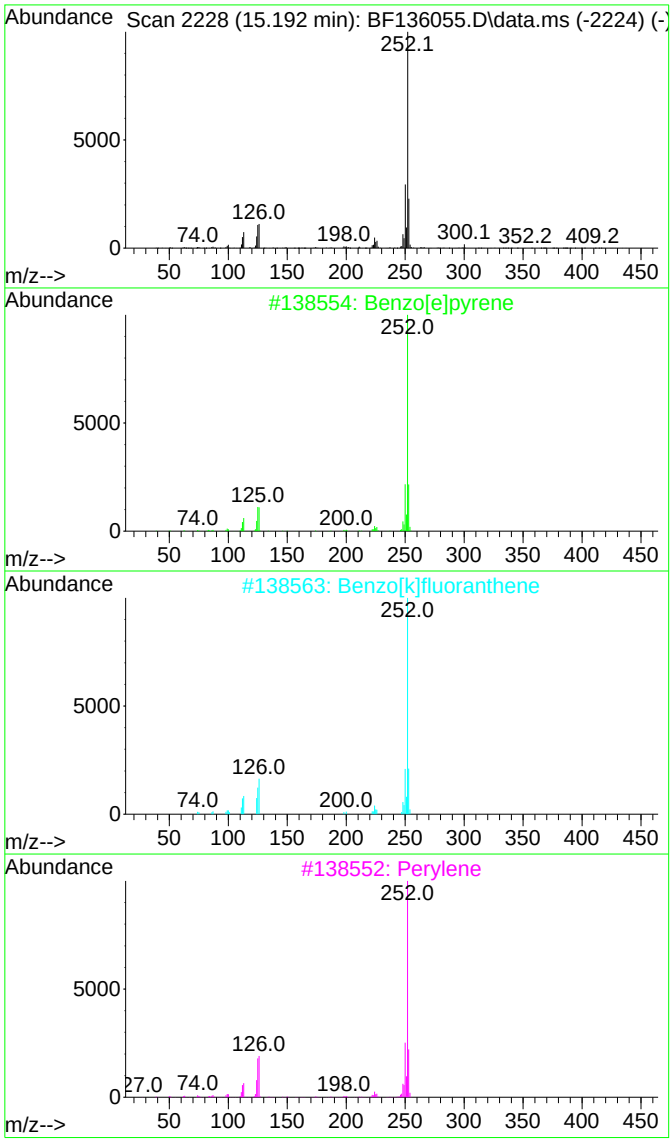
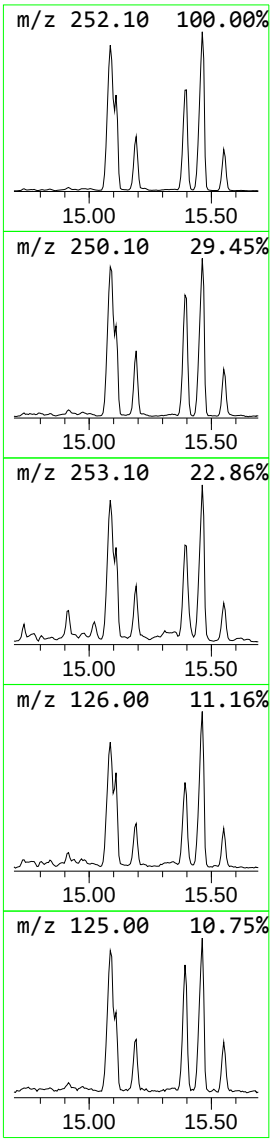
Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	23.15 ng	798164	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

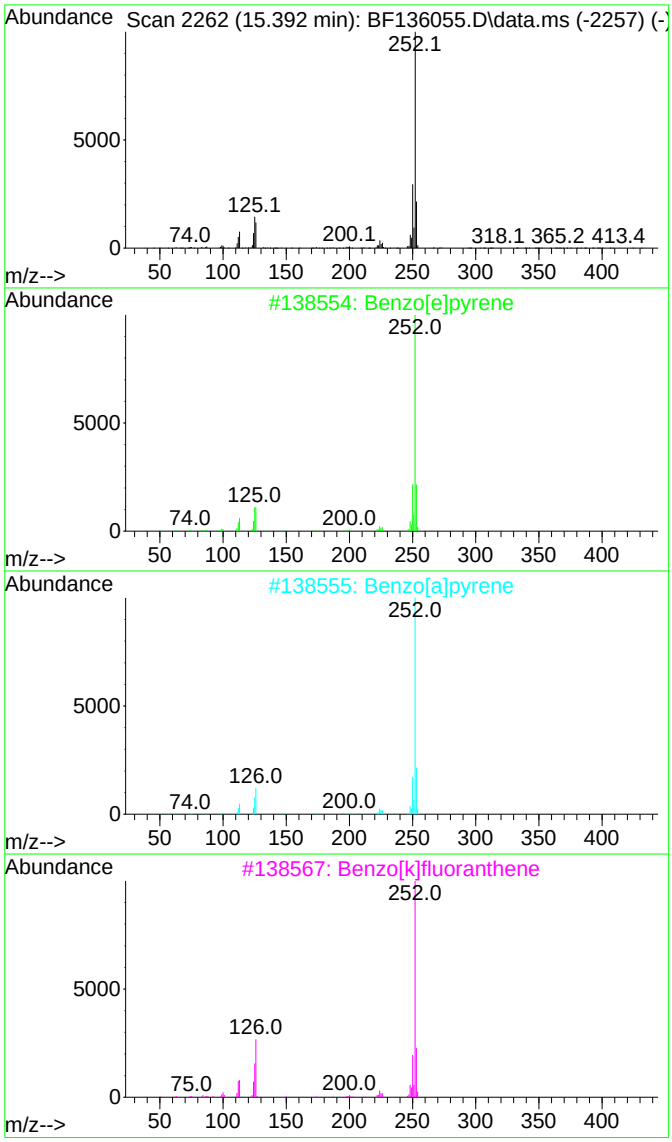
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

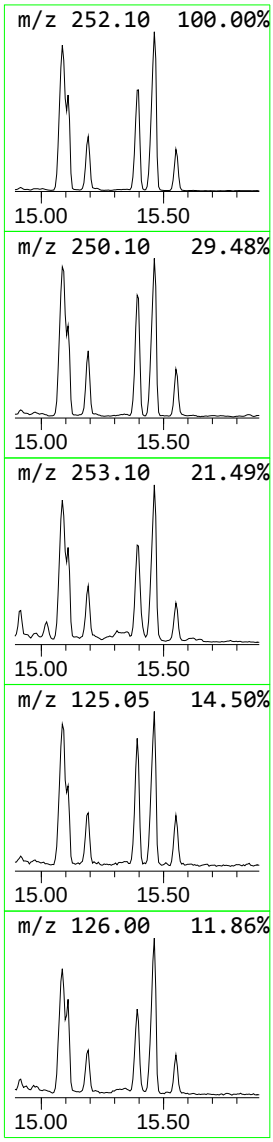
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	52.42 ng	1807380	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136055.D
Acq On : 31 Oct 2023 17:03
Operator : CG\JU
Sample : 04805-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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, 1,...	9.445	27.9	ng	945434	3	9.863	676899	20.0
Naphthalene, 1,...	9.522	27.3	ng	922950	3	9.863	676899	20.0
9H-Fluorene, 2-...	10.963	17.2	ng	739437	4	11.357	860456	20.0
Dibenzothiophene	11.251	31.6	ng	1359970	4	11.357	860456	20.0
1-Methyldibenzo...	11.692	21.9	ng	941237	4	11.357	860456	20.0
4-Methylnaphtho...	11.775	20.1	ng	866687	4	11.357	860456	20.0
Phenanthrene, 2...	11.863	48.3	ng	2076910	4	11.357	860456	20.0
Anthracene, 2-m...	11.892	33.6	ng	1445210	4	11.357	860456	20.0
1H-Cyclopropa[l...	11.939	18.0	ng	773948	4	11.357	860456	20.0
4H-Cyclopenta[d...	11.980	82.0	ng	3526130	4	11.357	860456	20.0
Phenanthrene, 1...	11.998	26.7	ng	1150170	4	11.357	860456	20.0
Naphthalene, 2-...	12.163	33.5	ng	1439620	4	11.357	860456	20.0
2,8-Dimethyldib...	12.192	16.0	ng	687267	4	11.357	860456	20.0
Phenanthrene, 1...	12.345	17.6	ng	757642	4	11.357	860456	20.0
9,10-Dimethylan...	12.422	45.3	ng	1948020	4	11.357	860456	20.0
unknown12.457	12.457	33.7	ng	1451400	4	11.357	860456	20.0
Anthracene, 9-e...	12.516	24.0	ng	1032710	4	11.357	860456	20.0
Benzene, 1,1'-(...	12.675	27.1	ng	1166200	4	11.357	860456	20.0
Benzo[e]pyrene	15.192	23.1	ng	798164	6	15.521	689519	20.0
Benzo[j]fluoran...	15.392	52.4	ng	1807380	6	15.521	689519	20.0