LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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: BF136054.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.040	499	502	508	rVB	235405	238436	3.57%	0.261%
2	5.446	567	571	575	rVB	1559966	1331266	19.94%	1.458%
3	6.451	734	742	745	rBV	1435244	1272956	19.06%	1.395%
4	6.822	802	805	811	rVB	829021	674730	10.10%	0.739%
5	7.381	897	900	902	rVB	965251	690768	10.34%	0.757%
6	8.104	1018	1023	1025	rVV	973383	925645	13.86%	1.014%
7	8.122	1025	1026	1029	rVV	504763	366632	5.49%	0.402%
8	8.169	1032	1034	1037	rVB2	385454	268291	4.02%	0.294%
9	8.528	1092	1095	1097	rBV	465962	384324	5.76%	0.421%
10	8.916	1156	1161	1164	rVB2	526391	445291	6.67%	0.488%
11	9.134	1195	1198	1201	rBV	431924	351779	5.27%	0.385%
12	9.181	1203	1206	1209	rVB	1507621	1060270	15.88%	1.162%
13	9.281	1217	1223	1225	rBV2	252731	312979	4.69%	0.343%
14	9.381	1237	1240	1244	rVB2	164244	229079	3.43%	0.251%
15	9.445	1247	1251	1255	rVB2	342140	463141	6.94%	0.507%
16	9.522	1260	1264	1266	rBV	543904	480410	7.19%	0.526%
17	9.587	1272	1275	1278	rVB	533357	465815	6.98%	0.510%
18	9.634	1281	1283	1285	rBV	317385	271322	4.06%	0.297%
19	9.722	1295	1298	1304	rVB	1458519	1124332	16.84%	1.232%
20	9.863	1319	1322	1325	rVV	929169	772127	11.56%	0.846%
21	9.892	1325	1327	1331	rVV2	394474	387751	5.81%	0.425%
22	9.969	1337	1340	1344	rVB	206133	242658	3.63%	0.266%
23	10.063	1350	1356	1360	rVB2	538401	568408	8.51%	0.623%
24	10.181	1372	1376	1378	rBV2	283076	293209	4.39%	0.321%
25	10.410	1412	1415	1421	rVB2	588876	640046	9.58%	0.701%
26	10.651	1451	1456	1460	rVB2	1075387	1087871	16.29%	1.192%
27	10.781	1475	1478	1483	rVB2	227329	312875	4.69%	0.343%
28	10.963	1504	1509	1511	rBV2	389248	466840	6.99%	0.511%
29	10.986	1511	1513	1517	rVV2	238534	249912	3.74%	0.274%
30	11.045	1520	1523	1526	rVV	315564	255361	3.82%	0.280%
31	11.116	1532	1535	1537	rVV	209069	215962	3.23%	0.237%
32	11.251	1555	1558	1563	rVB	964244	857258	12.84%	0.939%
33	11.357	1572	1576	1577	rBV	791293	705683	10.57%	0.773%
34	11.386	1577	1581	1584	rVV	4078744	3763111	56.35%	4.123%
35	11.433	1585	1589	1592	rVV	2166105	1732387	25.94%	1.898%
36	11.463	1592	1594	1598	rVV2	229874	257994	3.86%	0.283%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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	11.657	1624	1627	1629	rBV2	299274	227888	3.41%	0.250%
38	11.686	1629	1632	1636	rVB	630616	552511	8.27%	0.605%
39	11.775	1643	1647	1651	rVB	465749	525209	7.86%	0.575%
40	11.863	1658	1662	1664	rVV	1422205	1289567	19.31%	1.413%
41	11.892	1664	1667	1671	rVB	1499219	1317103	19.72%	1.443%
42	11.939	1671	1675	1677	rBV	642614	580600	8.69%	0.636%
43	11.975	1677	1681	1683	rVV	2327488	2362528	35.38%	2.588%
44	11.998	1683	1685	1690	rVB	1051047	835955	12.52%	0.916%
45	12.098	1699	1702	1704	rVB	252435	224748	3.37%	0.246%
46	12.157	1710	1712	1715	rBV	739620	684548	10.25%	0.750%
47	12.263	1723	1730	1732	rBV3	189939	352167	5.27%	0.386%
48	12.292	1732	1735	1736	rVV	291549	288039	4.31%	0.316%
49	12.310	1736	1738	1741	rVV	289858	307046	4.60%	0.336%
50	12.339	1741	1743	1745	rVV	496216	431065	6.46%	0.472%
51	12.363	1745	1747	1750	rVB2	393270	344814	5.16%	0.378%
52	12.416	1750	1756	1759	rBV	1065045	1290090	19.32%	1.413%
53	12.451	1759	1762	1765	rVV	741518	977795	14.64%	1.071%
54	12.516	1768	1773	1776	rVV2	424228	656975	9.84%	0.720%
55	12.586	1780	1785	1788	rBV	5273127	5243501	78.52%	5.745%
56	12.627	1788	1792	1797	rVV4	306691	488927	7.32%	0.536%
57	12.675	1797	1800	1803	rVV	956224	898017	13.45%	0.984%
58	12.733	1807	1810	1814	rVV3	471477	708610	10.61%	0.776%
59	12.822	1818	1825	1829	rBV2	5018931	6677847	100.00%	7.316%
60	12.869	1829	1833	1836	rVB3	365822	489356	7.33%	0.536%
61	12.927	1840	1843	1845	rVV2	410832	379052	5.68%	0.415%
62	12.957	1845	1848	1855	rVB	1424734	1555823	23.30%	1.704%
63	13.033	1855	1861	1864	rBV2	708626	1106732	16.57%	1.212%
64	13.086	1867	1870	1872	rBV2	259305	255126	3.82%	0.280%
65	13.116	1872	1875	1877	rVV3	605969	799798	11.98%	0.876%
66	13.139	1877	1879	1882	rVB	1658188	1588618	23.79%	1.740%
67	13.186	1882	1887	1888	rBV2	215903	287032	4.30%	0.314%
68	13.210	1888	1891	1894	rVV	1636576	1401642	20.99%	1.536%
69	13.245	1894	1897	1901	rVV2	1160103	1159632	17.37%	1.270%
70	13.310	1905	1908	1910	rBV3	284447	333547	4.99%	0.365%
71	13.339	1910	1913	1915	rVV	850081	717175	10.74%	0.786%
72	13.369	1915	1918	1922	rVB	926173	838018	12.55%	0.918%
73	13.545	1946	1948	1950	rBV2	237242	227366	3.40%	0.249%
74	13.627	1959	1962	1964	rBV2	293779	375789	5.63%	0.412%
75	13.763	1980	1985	1988	rBV2	938880	1224572	18.34%	1.342%
76	13.792	1988	1990	1992	rVV	697414	555102	8.31%	0.608%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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	13.816	1992	1994	1998	rVB2	437961	364779	5.46%	0.400%
78	14.016	2022	2028	2031	rBV2	3565021	5194306	77.78%	5.691%
79	14.051	2031	2034	2039	rVB	3295725	3233330	48.42%	3.542%
80	14.104	2040	2043	2045	rBV	308642	248077	3.71%	0.272%
81	14.163	2050	2053	2055	rBV	359926	366872	5.49%	0.402%
82	14.274	2070	2072	2075	rVB2	316325	298115	4.46%	0.327%
83	14.369	2086	2088	2090	rBV	250283	250460	3.75%	0.274%
84	14.410	2090	2095	2098	rVV	1105959	1385234	20.74%	1.518%
85	14.439	2098	2100	2103	rVV	590058	564783	8.46%	0.619%
86	14.480	2105	2107	2108	rVV2	242867	221903	3.32%	0.243%
87	14.504	2108	2111	2113	rVV2	724822	762613	11.42%	0.835%
88	14.533	2113	2116	2118	rVV	658808	728406	10.91%	0.798%
89	14.557	2118	2120	2124	rVB2	735347	638416	9.56%	0.699%
90	14.663	2135	2138	2144	rVB2	204819	259676	3.89%	0.284%
91	15.080	2203	2209	2212	rBV	1815477	3176024	47.56%	3.480%
92	15.186	2223	2227	2232	rVB	631091	685067	10.26%	0.751%
93	15.386	2257	2261	2267	rVB	1190277	1648404	24.68%	1.806%
94	15.457	2267	2273	2278	rBV	1956632	2677707	40.10%	2.934%
95	15.516	2279	2283	2286	rBV	466292	566619	8.49%	0.621%
96	15.545	2286	2288	2292	rVV	383846	397139	5.95%	0.435%
97	17.033	2535	2541	2550	rVB2	618829	1321842	19.79%	1.448%
98	17.221	2569	2573	2577	rVB	137861	219361	3.28%	0.240%
99	17.492	2613	2619	2630	rVB	463709	994746	14.90%	1.090%
100	17.739	2657	2661	2667	rVB	189180	347050	5.20%	0.380%

Sum of corrected areas: 91277778

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
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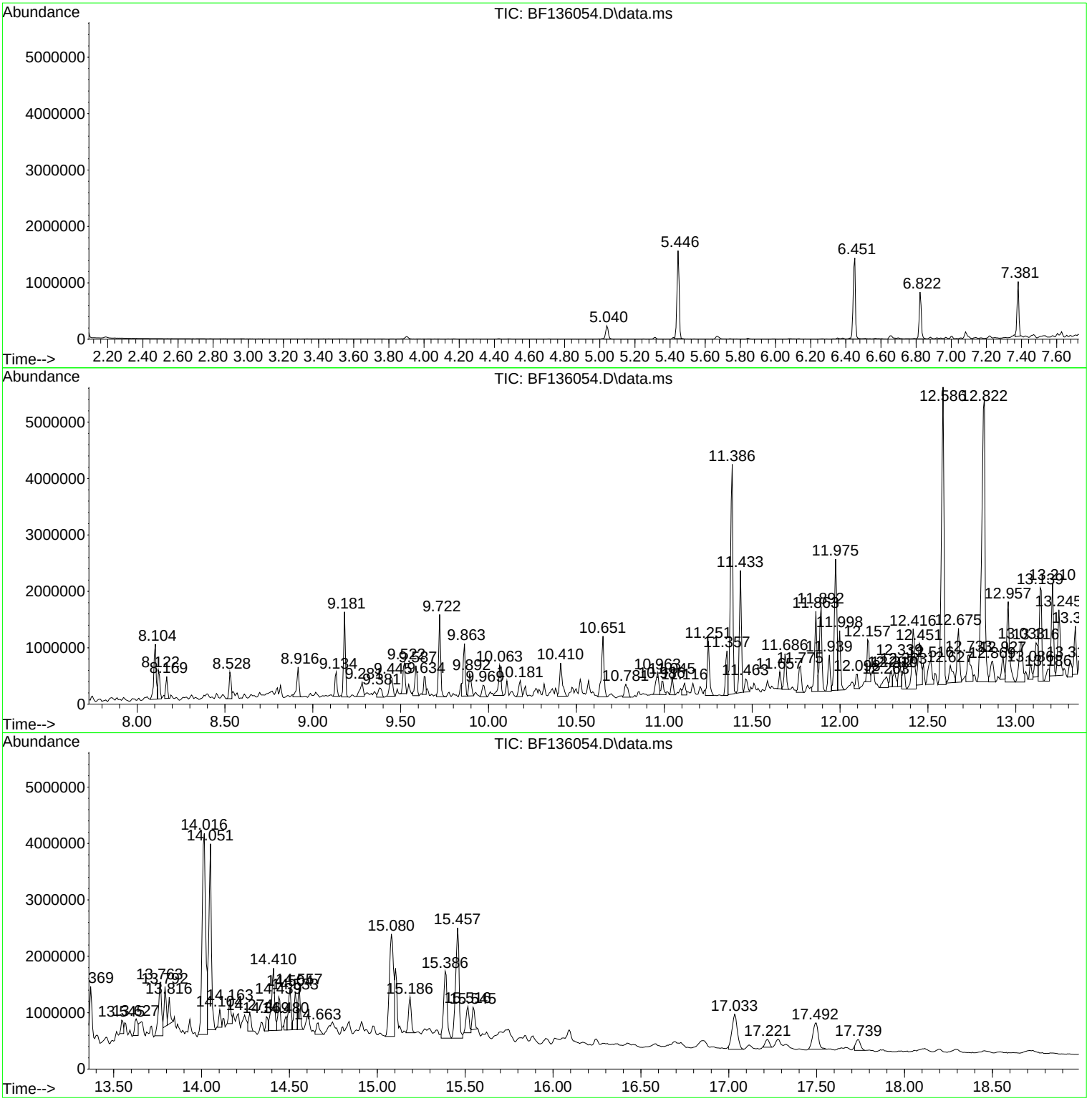
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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 : BF136054.D
Acq On : 31 Oct 2023 16:33
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Instrument :
BNA_F
ClientSampleId :
H-1(0-5)

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

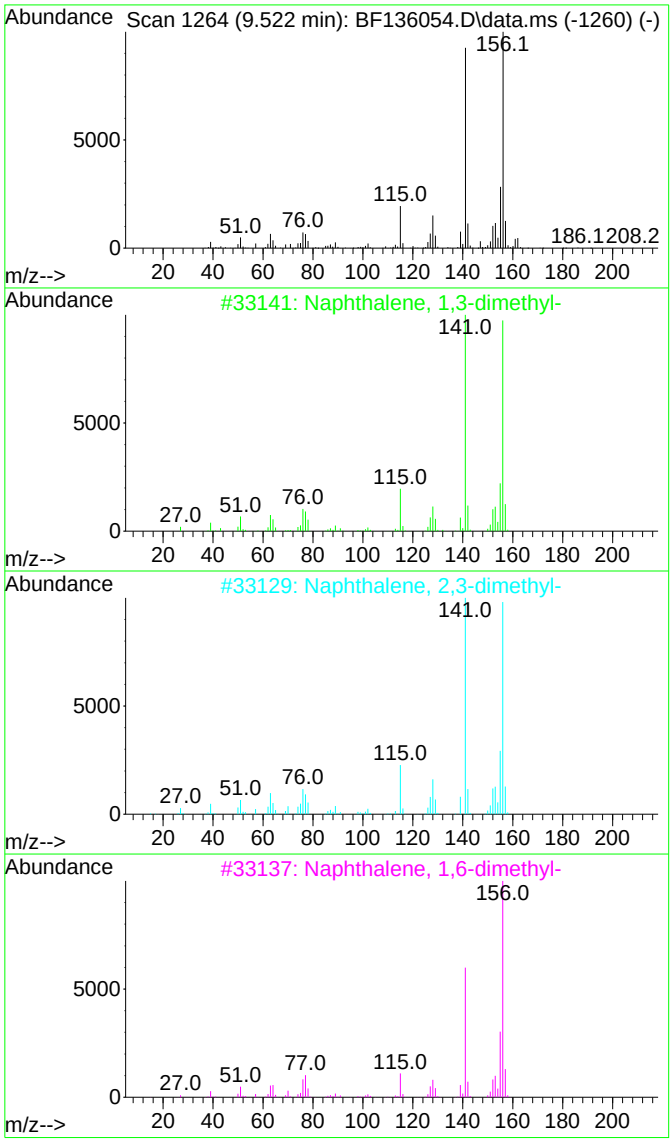
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

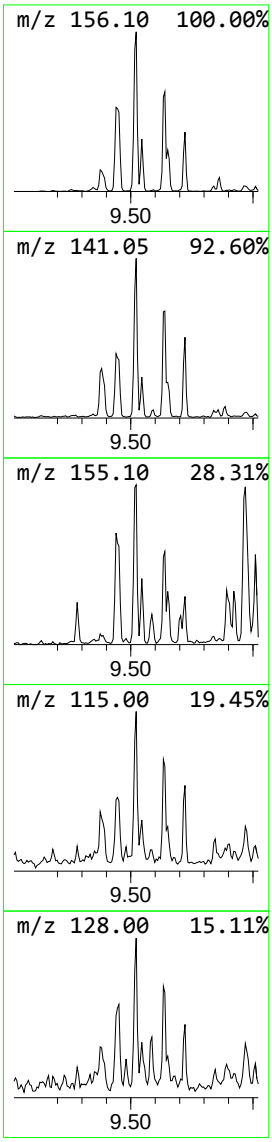
****

Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	12.44 ng	480410	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 : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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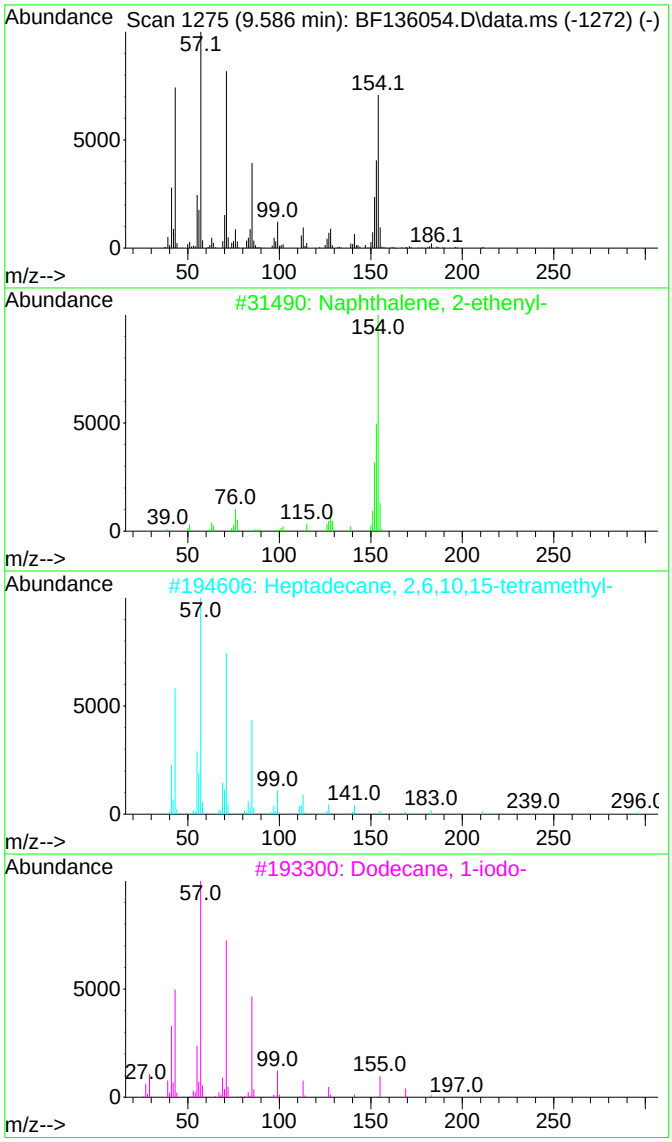
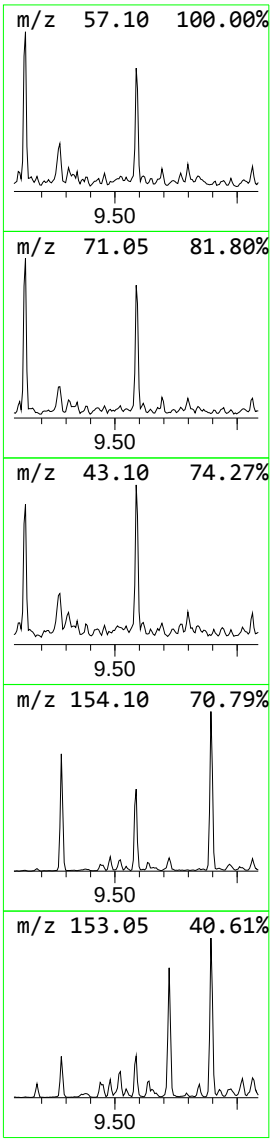
Peak Number 2 Naphthalene, 2-ethenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.586	12.07 ng	465815	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	70
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	49
4	Decane, 2-methyl-	156	C11H24	006975-98-0	49
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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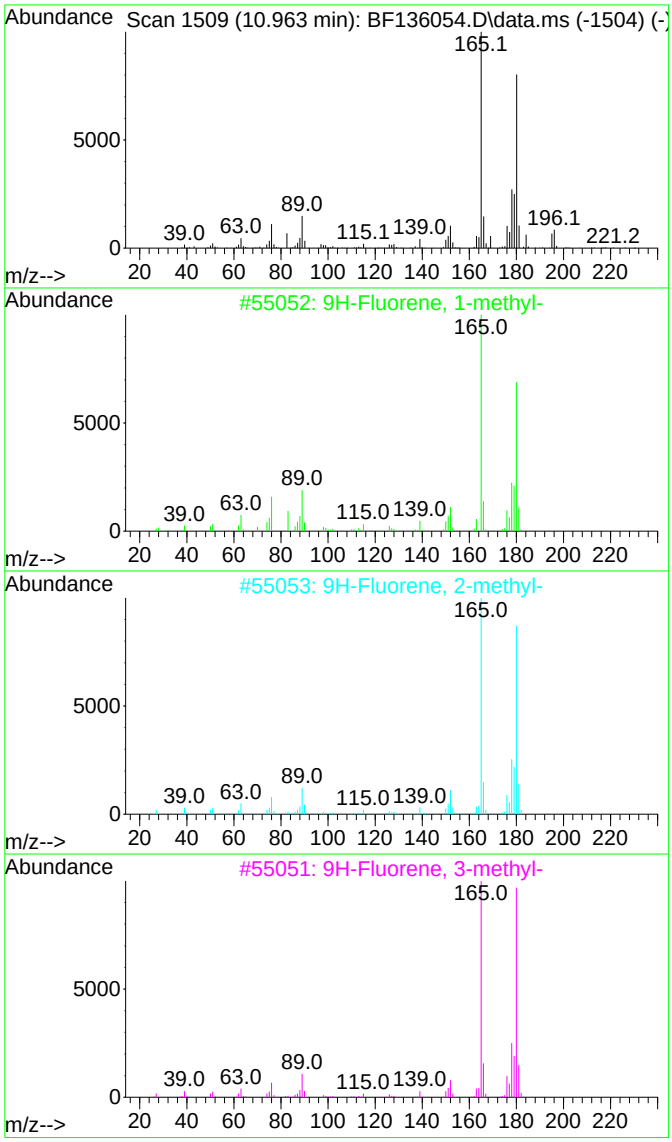
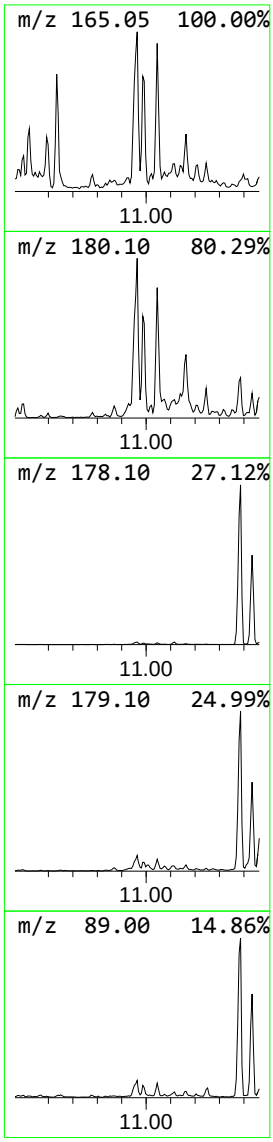
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	13.23 ng	466840	Phenanthrene-d10	11.357

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	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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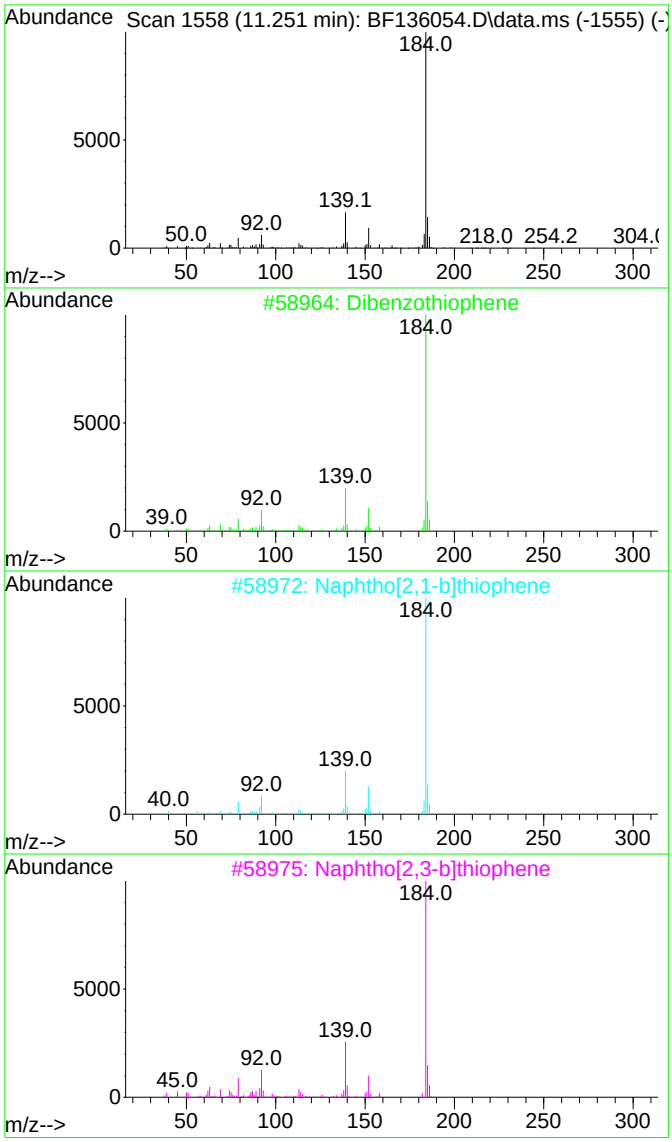
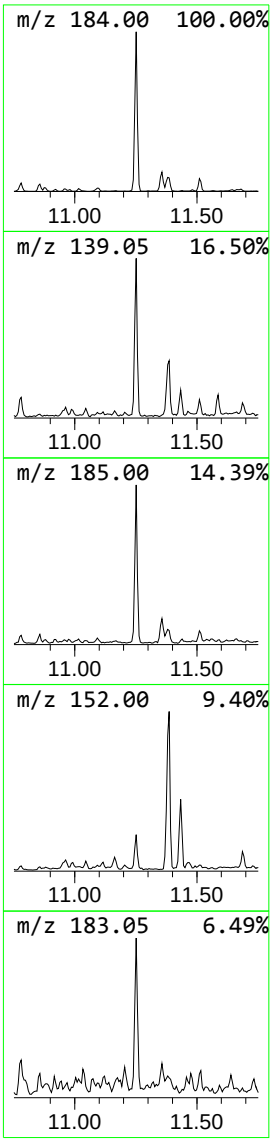
Peak Number 4 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	24.30 ng	857258	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	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(0-5)

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

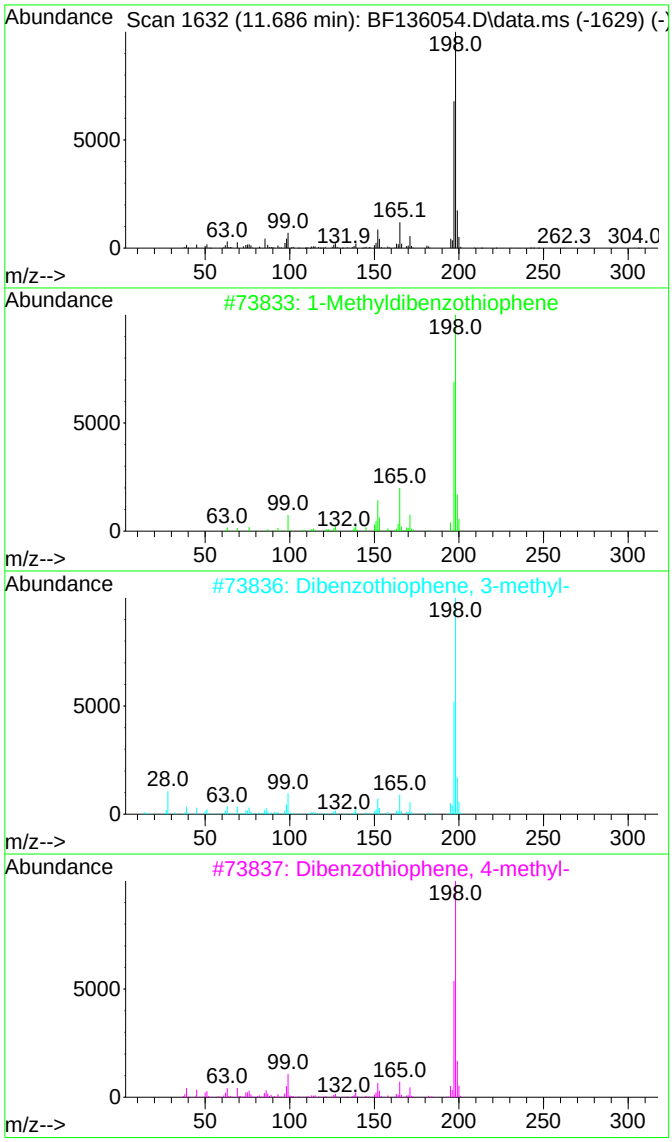
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

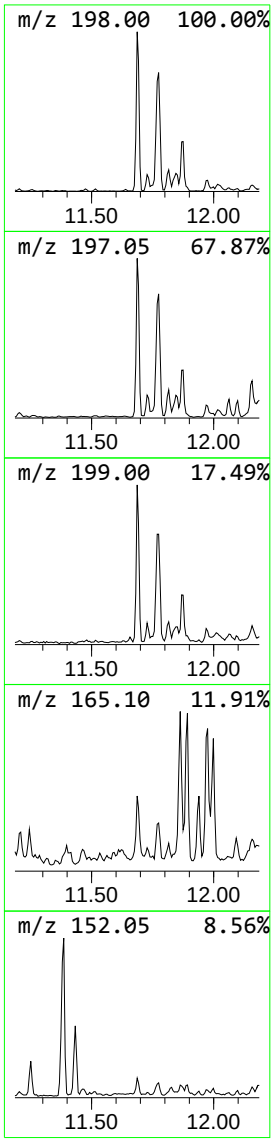
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	15.66 ng	552511	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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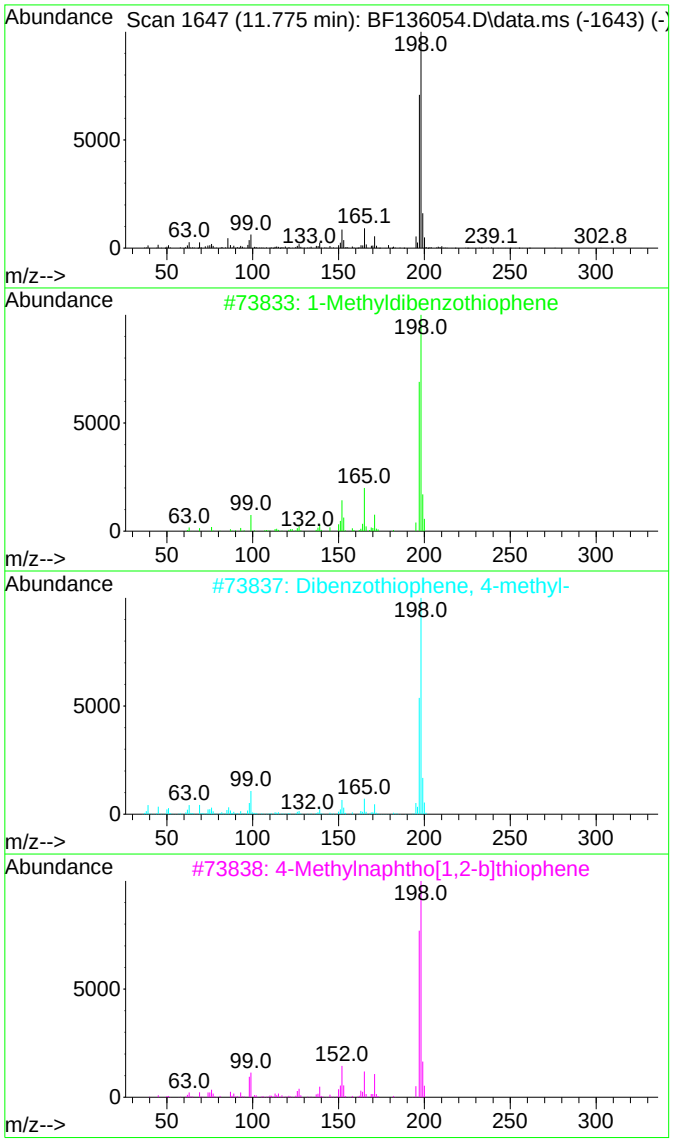
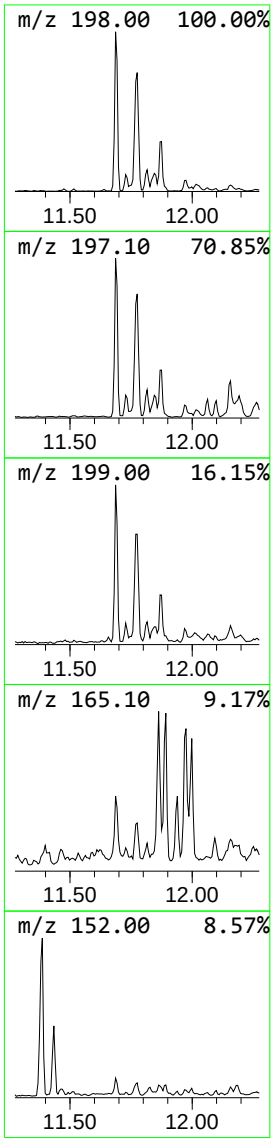
Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	14.89 ng	525209	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87





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Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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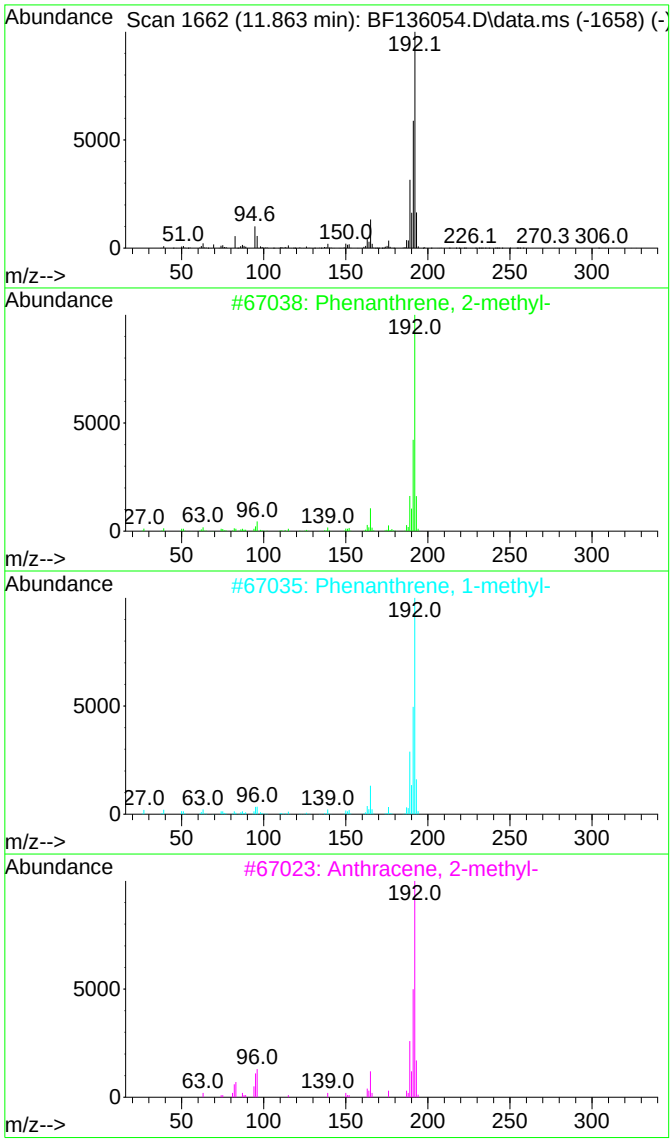
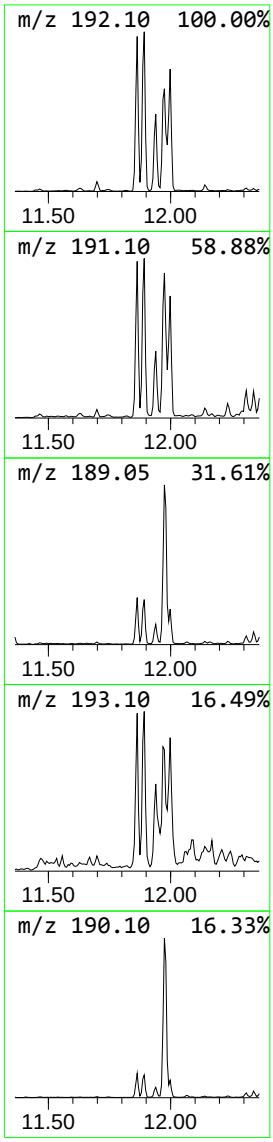
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	36.55 ng	1289570	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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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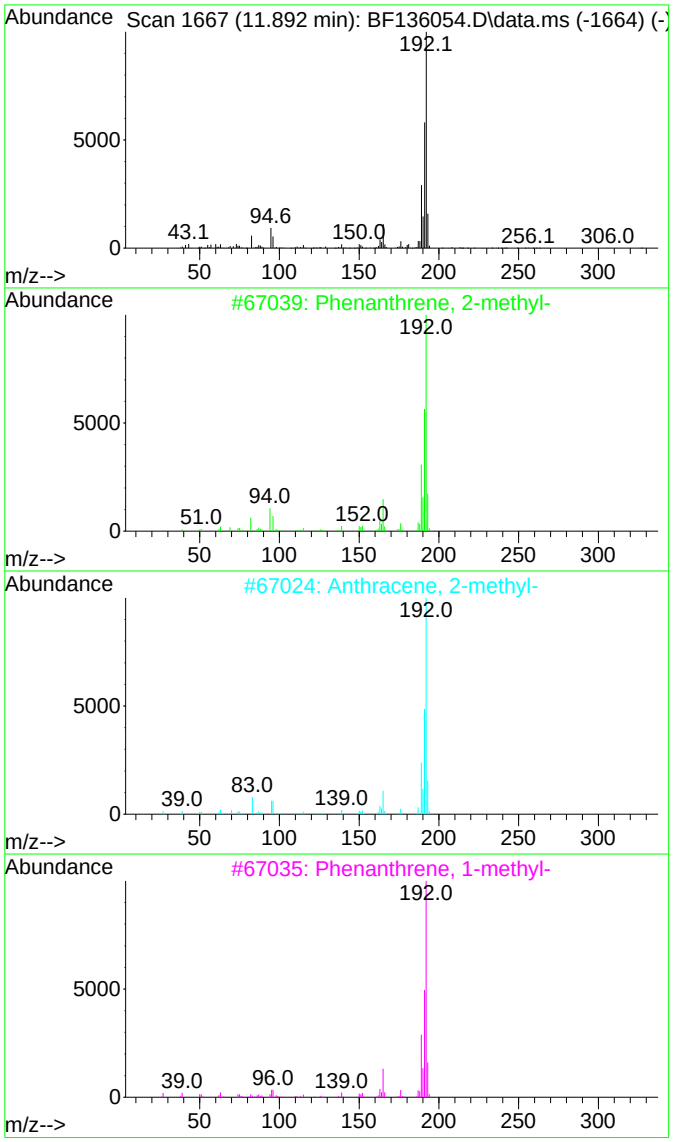
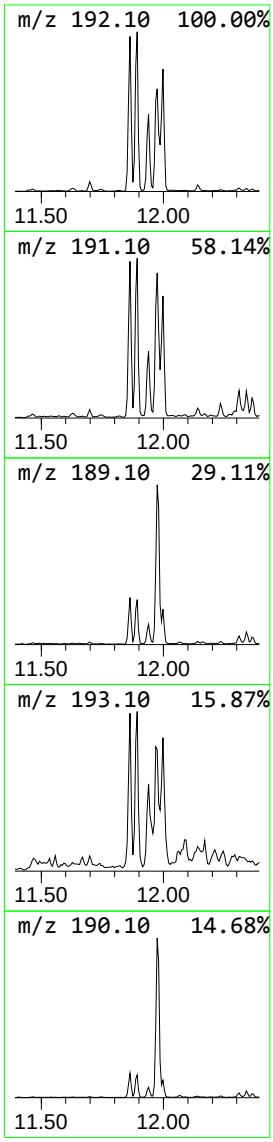
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	37.33 ng	1317100	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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(0-5)

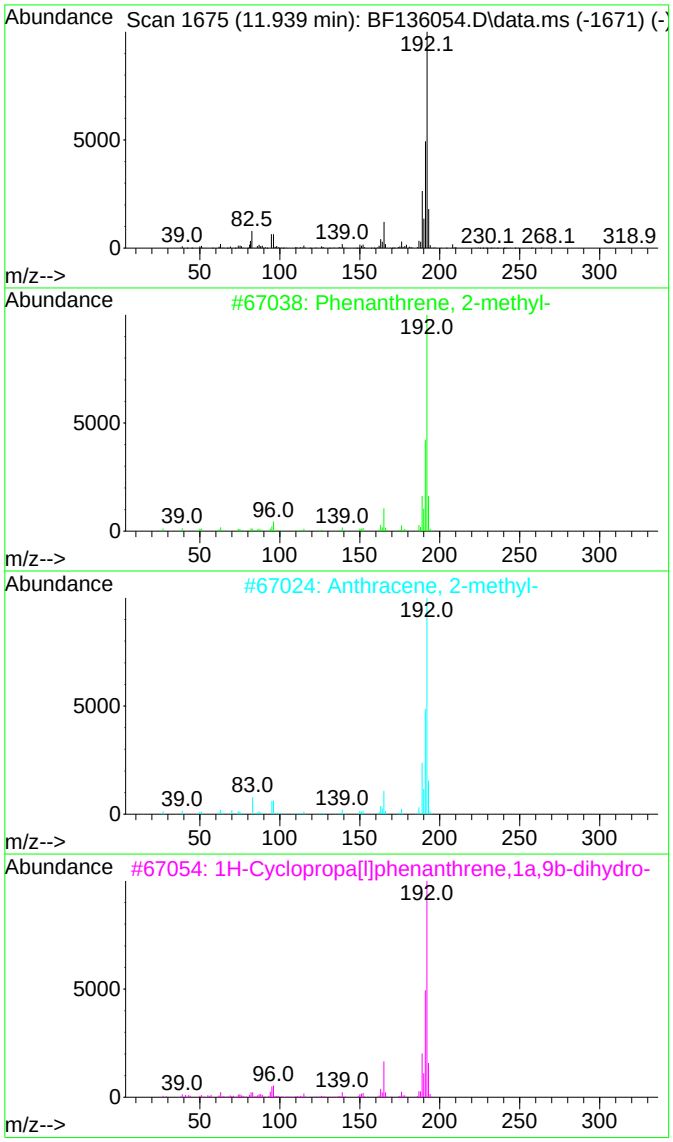
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

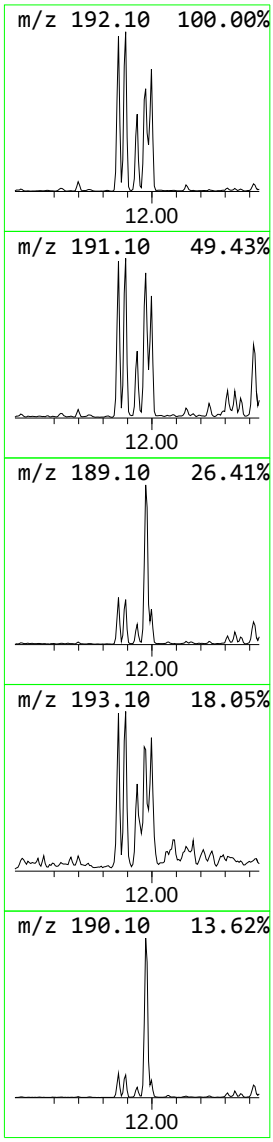
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	16.45 ng	580600	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, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96





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Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(0-5)

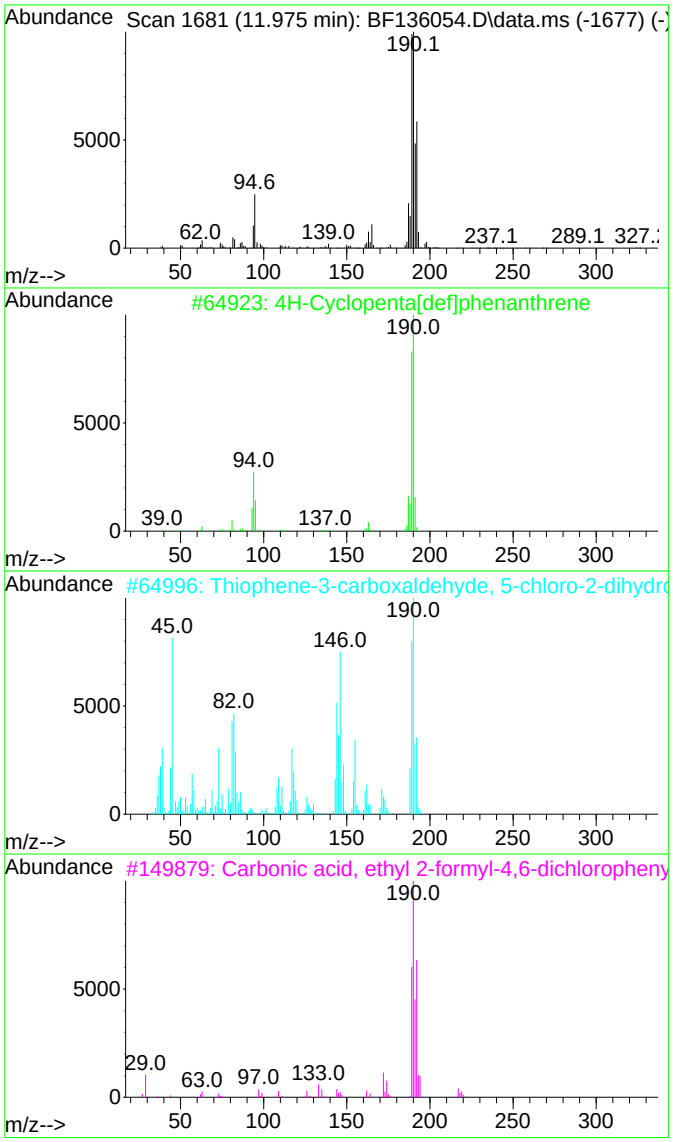
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

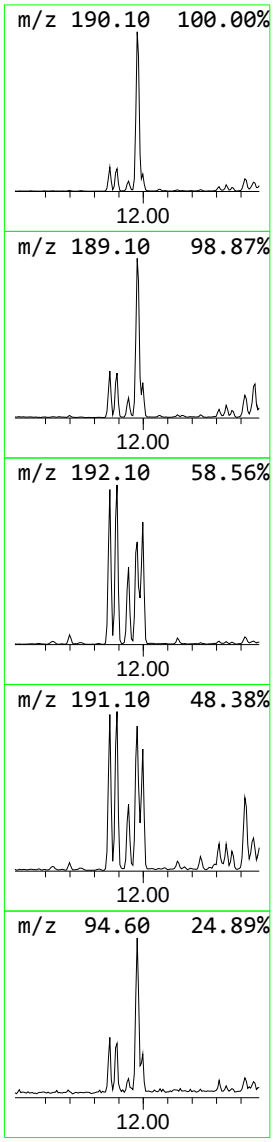
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	66.96 ng	2362530	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	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	32





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Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-1(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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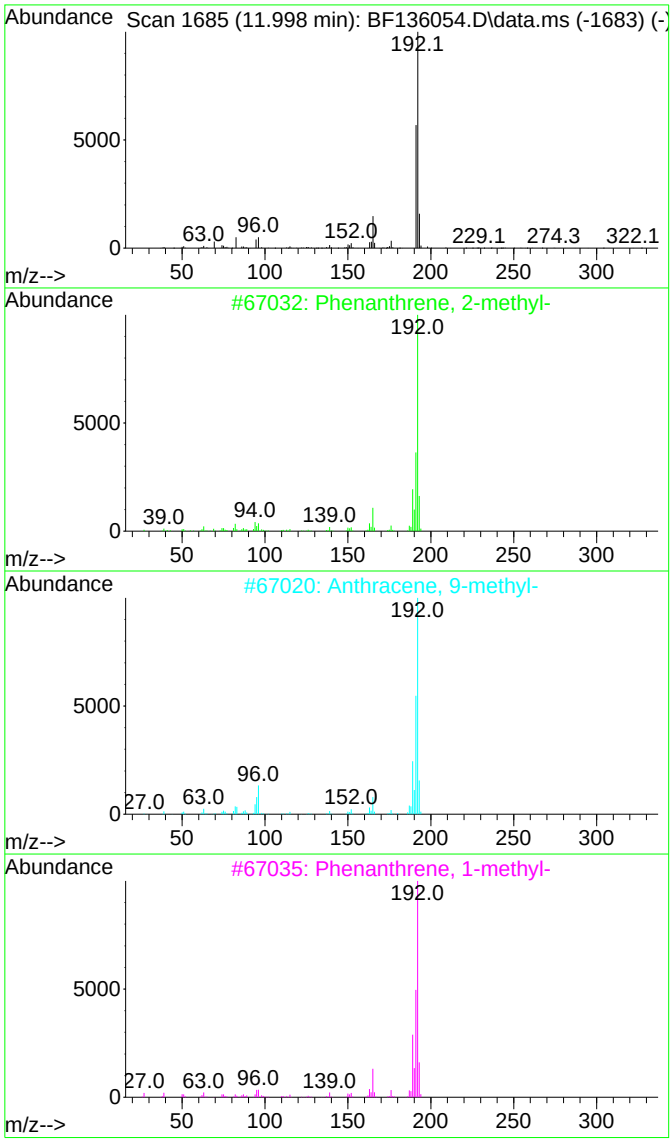
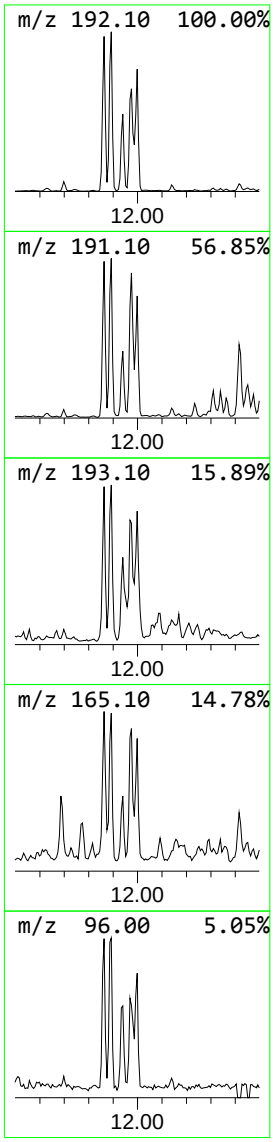
Peak Number 11 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	23.69 ng	835955	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, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(0-5)

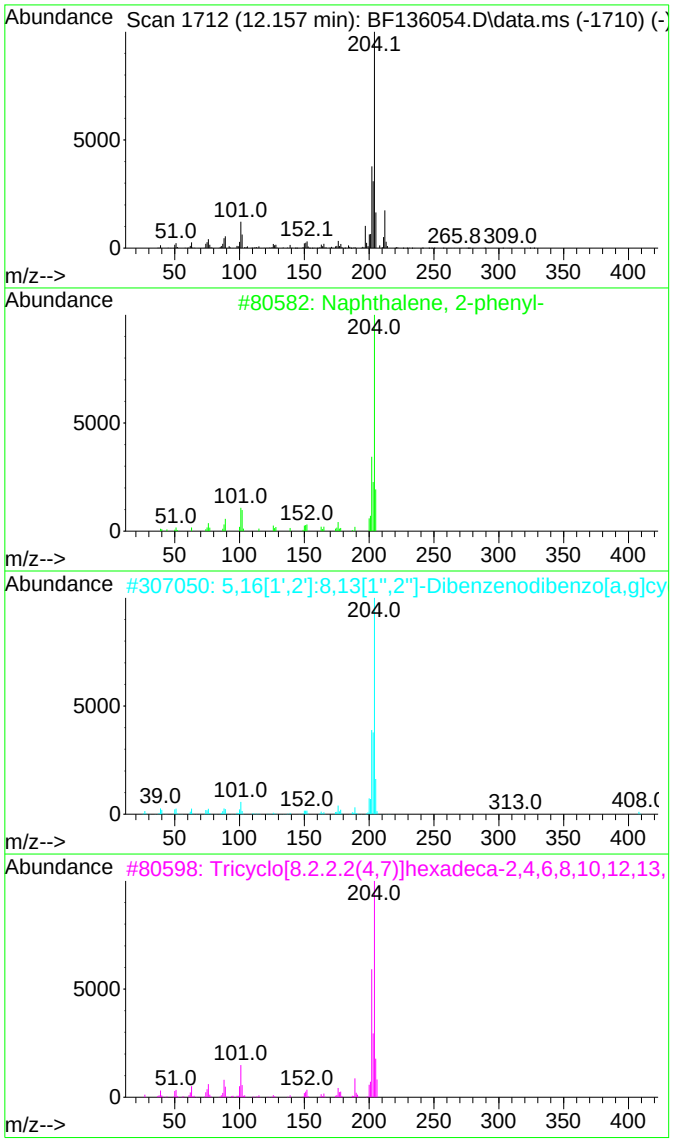
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

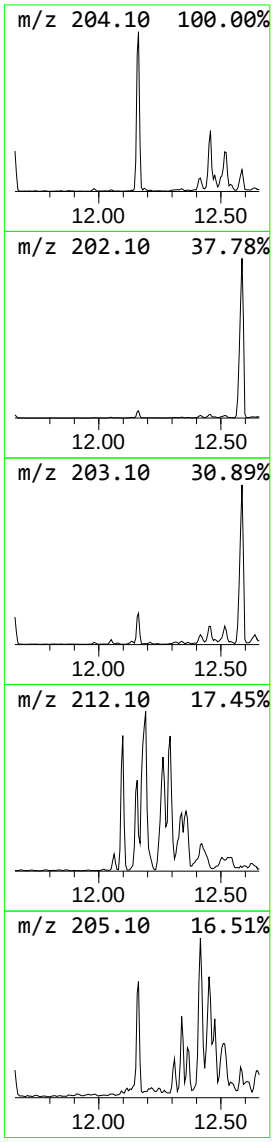
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	19.40 ng	684548	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





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Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-1(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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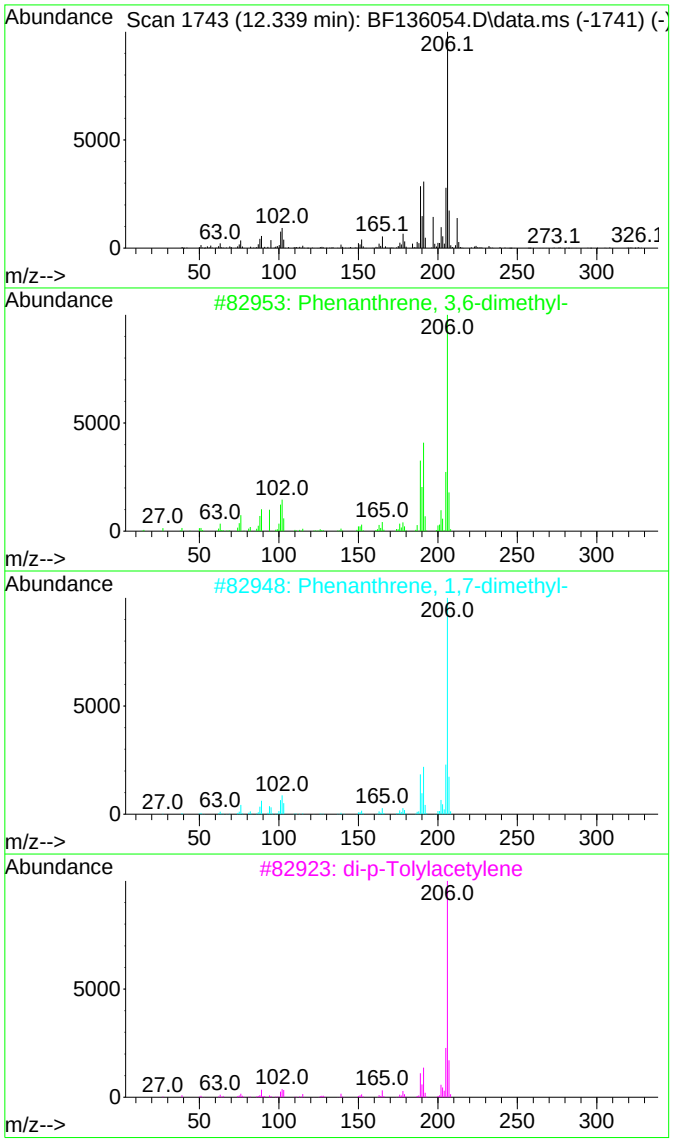
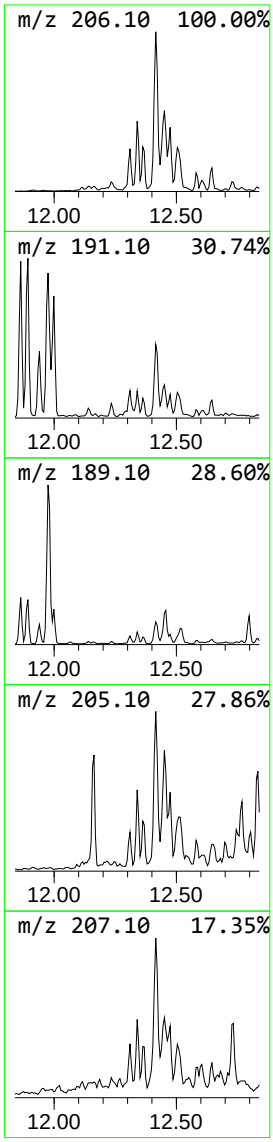
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	12.22 ng	431065	Phenanthrene-d10	11.357

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	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-1(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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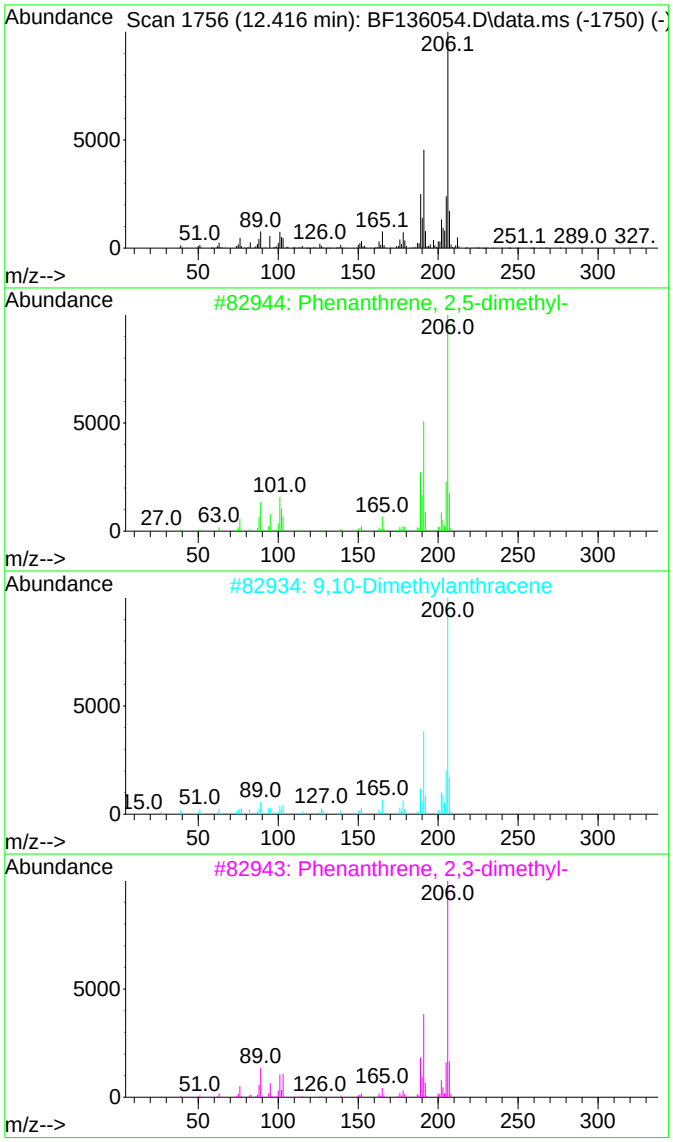
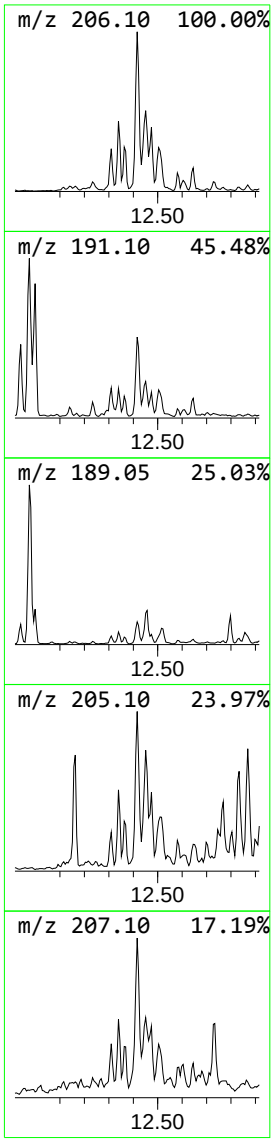
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	36.56 ng	1290090	Phenanthrene-d10	11.357

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	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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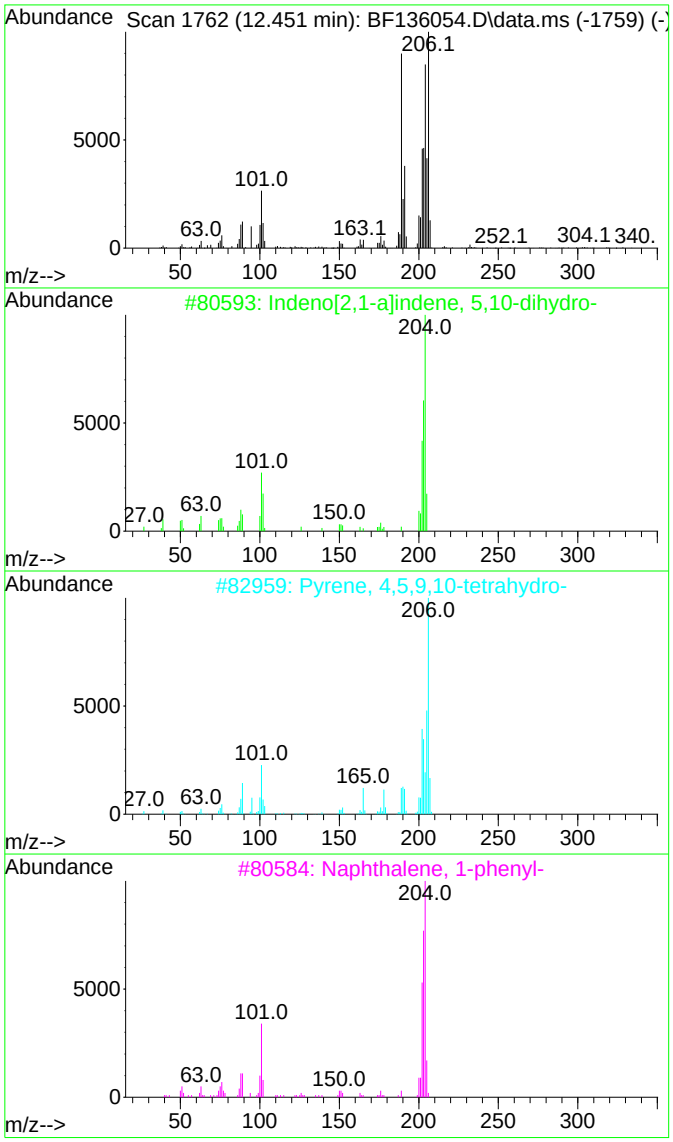
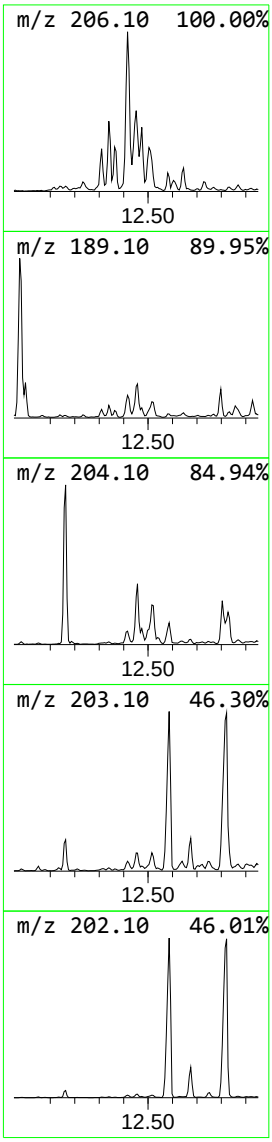
Peak Number 15 unknown12.451 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	27.71 ng	977795	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	41
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30





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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
H-1(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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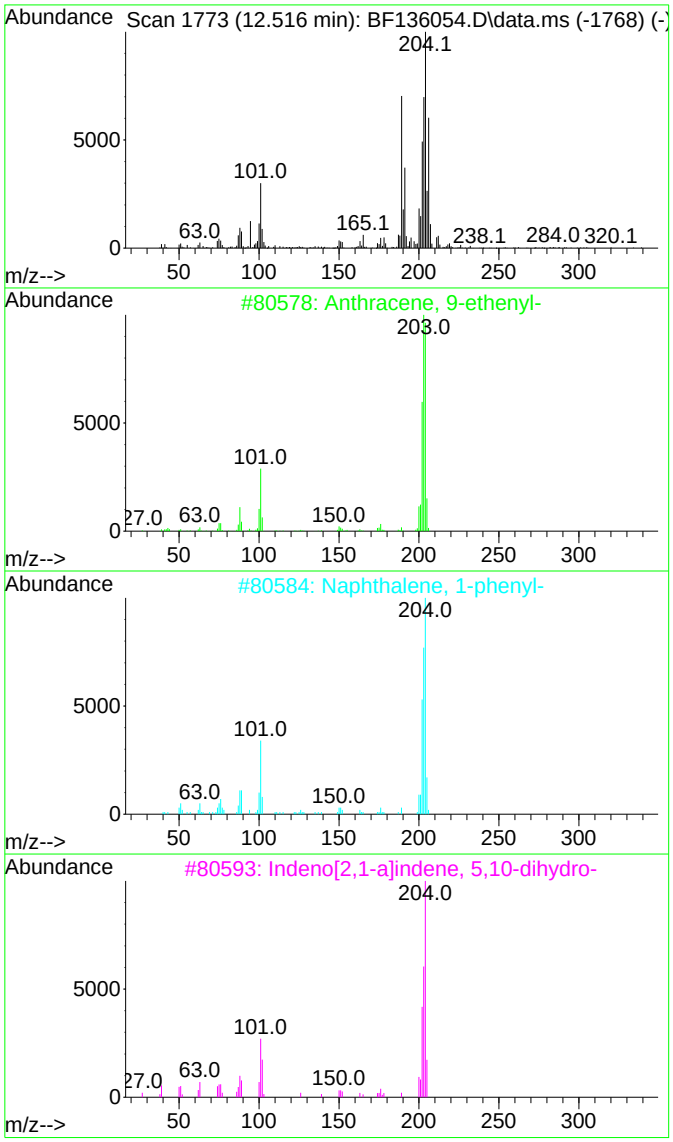
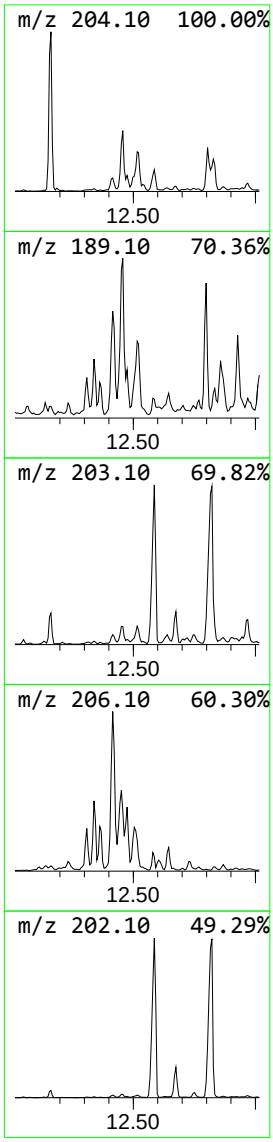
Peak Number 16 Anthracene, 9-ethenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	18.62 ng	656975	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	60
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	45
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38





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Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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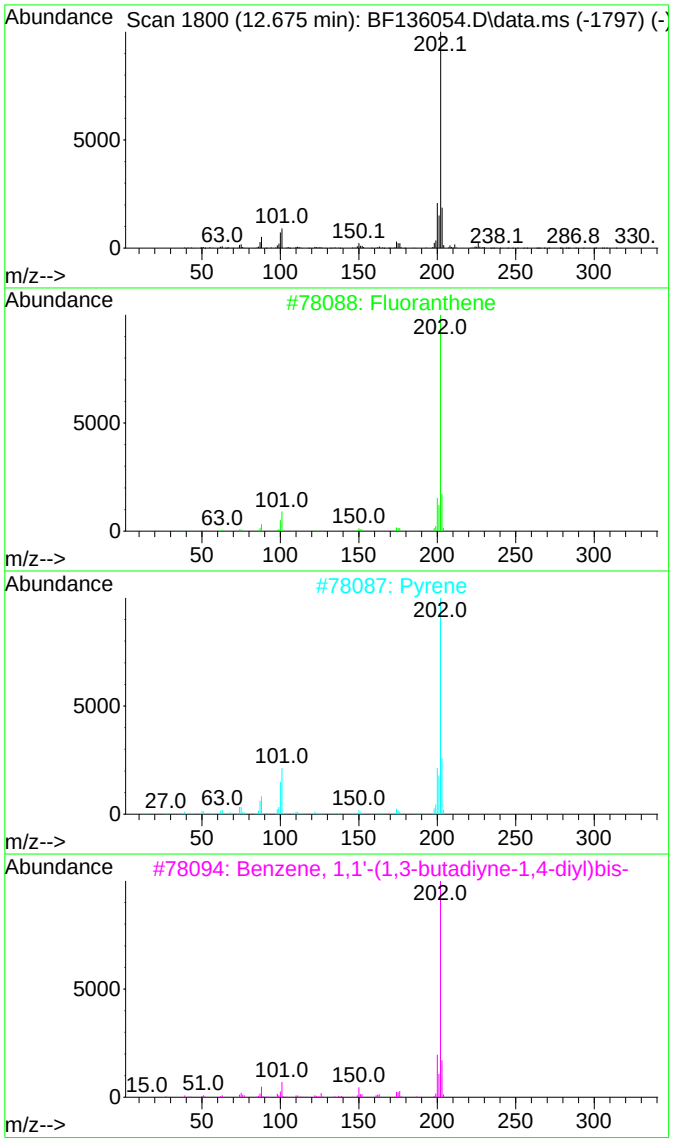
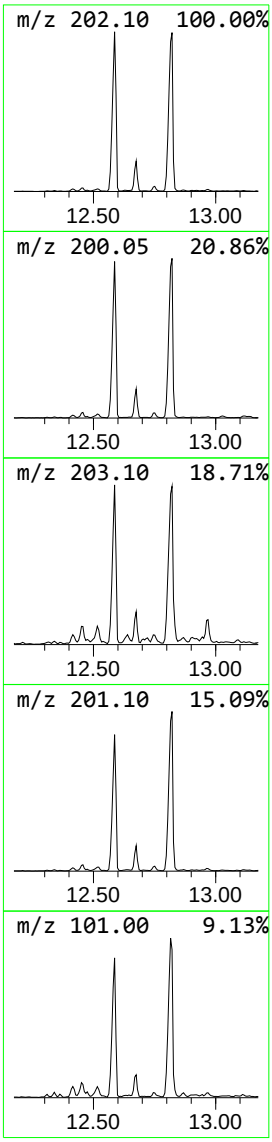
Peak Number 17 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.675	25.45 ng	898017	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	74
4	Furan-2-one, 2,5-dihydro-5-(4-me...	202	C12H10O3	024962-84-3	38
5	2-pyrazinol, 3-bromo-5,6-dimethyl-	202	C6H7BrN2O	1010396-05-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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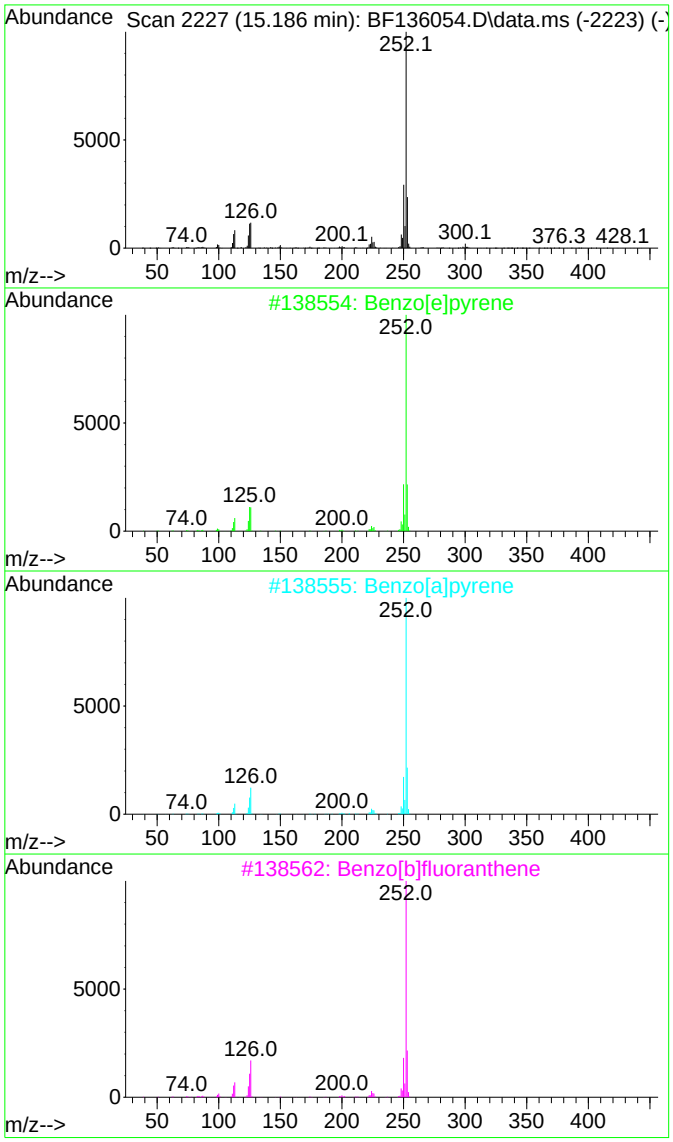
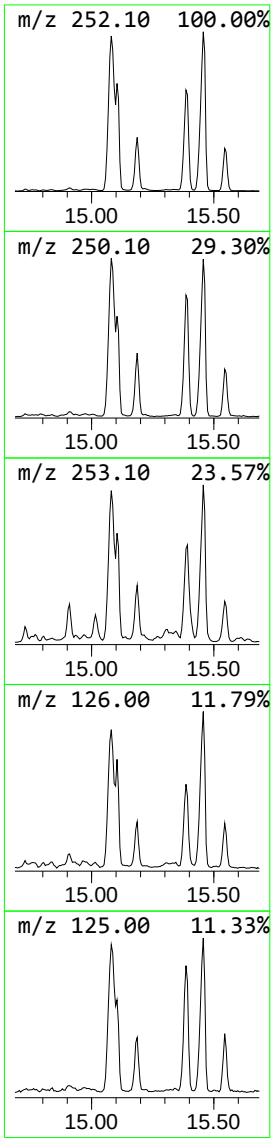
Peak Number 18 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.186	24.18 ng	685067	Perylene-d12	15.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	90





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Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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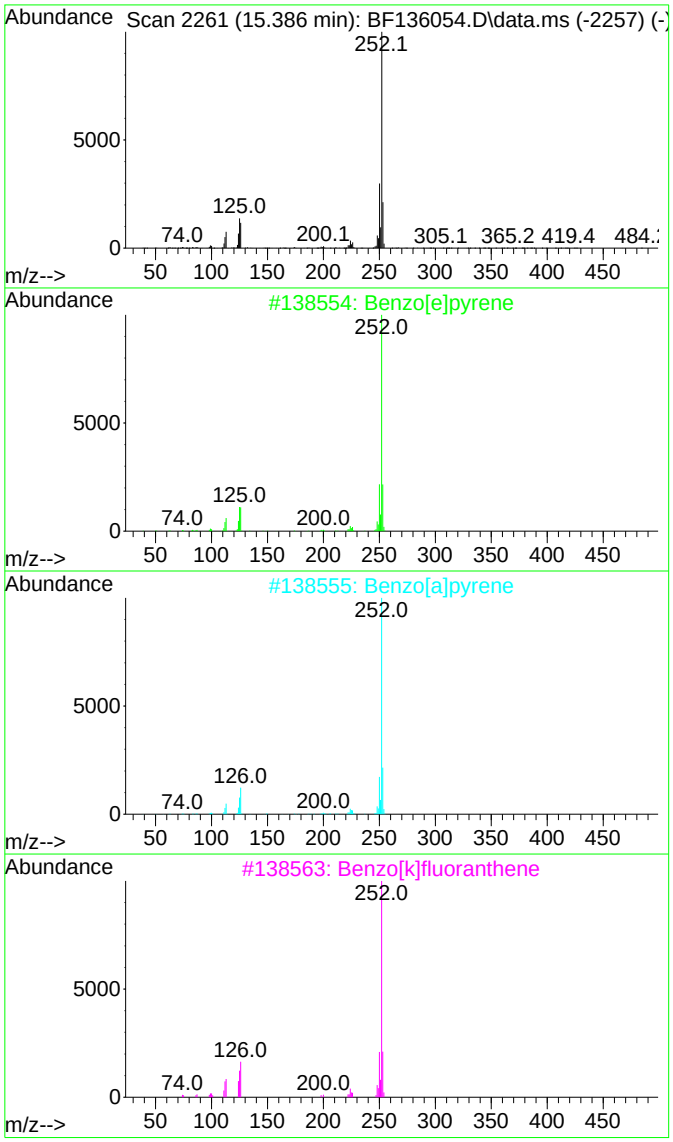
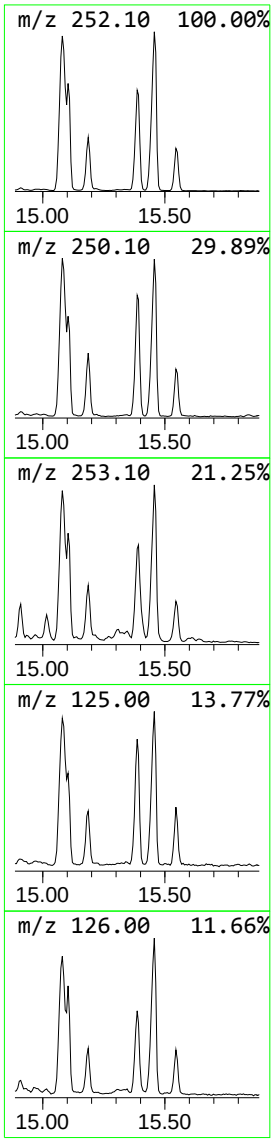
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.386	58.18 ng	1648400	Perylene-d12	15.515

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	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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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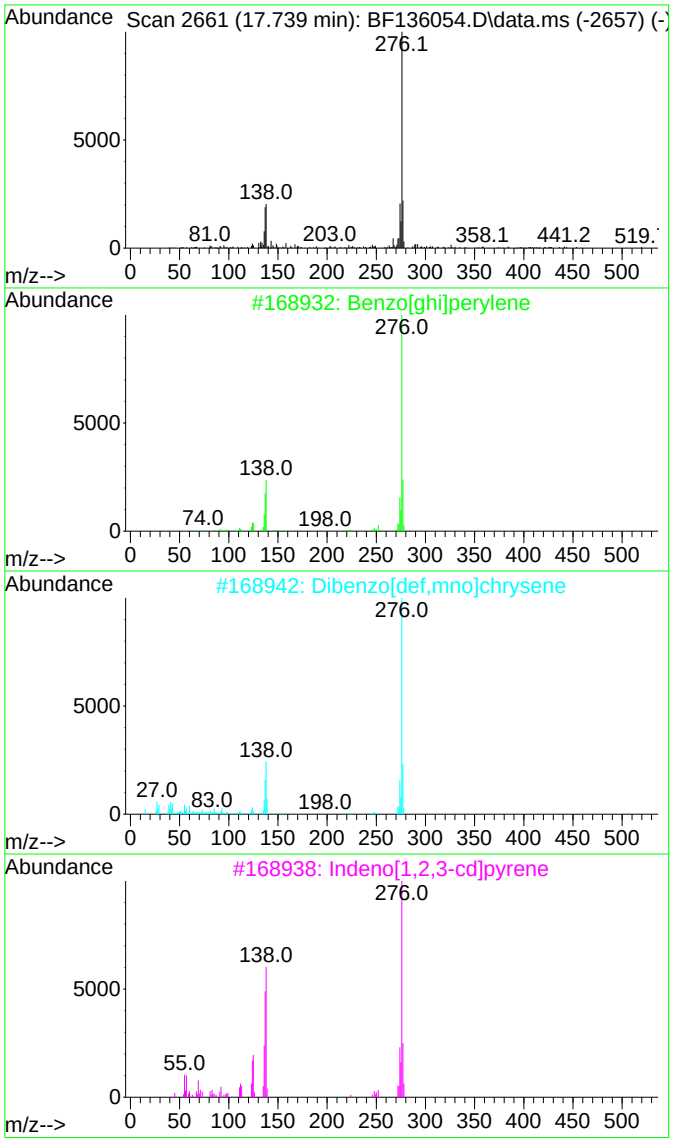
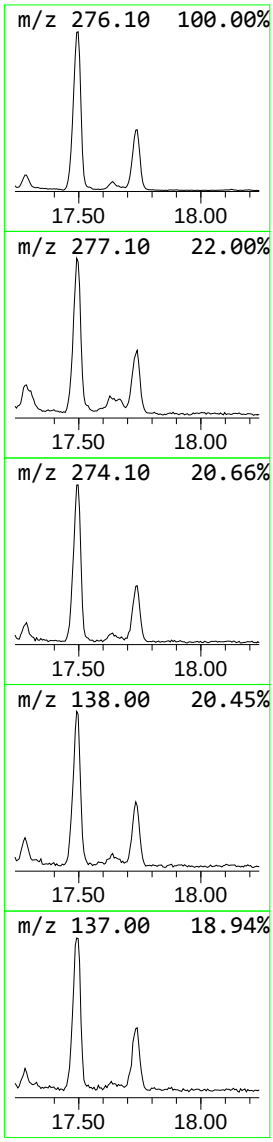
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.739	12.25 ng	347050	Perylene-d12	15.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	87
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136054.D
Acq On : 31 Oct 2023 16:33
Operator : CG\JU
Sample : 04805-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1(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,...	9.522	12.4	ng	480410	3	9.863	772127	20.0
Naphthalene, 2-...	9.586	12.1	ng	465815	3	9.863	772127	20.0
9H-Fluorene, 1-...	10.963	13.2	ng	466840	4	11.357	705683	20.0
Dibenzothiophene	11.251	24.3	ng	857258	4	11.357	705683	20.0
1-Methyldibenzo...	11.686	15.7	ng	552511	4	11.357	705683	20.0
Dibenzothiophen...	11.775	14.9	ng	525209	4	11.357	705683	20.0
Phenanthrene, 2...	11.863	36.5	ng	1289570	4	11.357	705683	20.0
Anthracene, 2-m...	11.892	37.3	ng	1317100	4	11.357	705683	20.0
1H-Cyclopropa[l...	11.939	16.4	ng	580600	4	11.357	705683	20.0
4H-Cyclopenta[d...	11.975	67.0	ng	2362530	4	11.357	705683	20.0
Anthracene, 9-m...	11.998	23.7	ng	835955	4	11.357	705683	20.0
Naphthalene, 2-...	12.157	19.4	ng	684548	4	11.357	705683	20.0
Phenanthrene, 3...	12.339	12.2	ng	431065	4	11.357	705683	20.0
Phenanthrene, 2...	12.416	36.6	ng	1290090	4	11.357	705683	20.0
unknown12.451	12.451	27.7	ng	977795	4	11.357	705683	20.0
Anthracene, 9-e...	12.516	18.6	ng	656975	4	11.357	705683	20.0
Benzene, 1,1'-(...	12.675	25.4	ng	898017	4	11.357	705683	20.0
Benzo[e]pyrene	15.186	24.2	ng	685067	6	15.515	566619	20.0
Perylene	15.386	58.2	ng	1648400	6	15.515	566619	20.0
Dibenzo[def,mno...	17.739	12.3	ng	347050	6	15.515	566619	20.0