LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135798.D
Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135798.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.957	485	488	510	rVB	227430	332535	7.54%	0.441%
2	5.375	556	559	577	rVV	1769816	1968047	44.60%	2.612%
3	6.392	728	732	753	rBV	2091670	2406868	54.55%	3.194%
4	6.734	787	790	797	rVB	683933	592715	13.43%	0.787%
5	6.992	830	834	839	rBV	151790	166154	3.77%	0.220%
6	7.304	883	887	890	rBV	1812156	1518292	34.41%	2.015%
7	8.016	1005	1008	1009	rBV	901245	698427	15.83%	0.927%
8	8.039	1009	1012	1015	rVV	2300031	1874406	42.48%	2.487%
9	8.728	1126	1129	1136	rBV	1023512	875731	19.85%	1.162%
10	8.828	1141	1146	1150	rVB	1499982	1255719	28.46%	1.666%
11	9.092	1188	1191	1194	rVV	2944917	2456308	55.67%	3.260%
12	9.192	1206	1208	1214	rVB	270212	256645	5.82%	0.341%
13	9.286	1223	1224	1230	rVB2	171879	219321	4.97%	0.291%
14	9.357	1232	1236	1240	rBV	549088	716923	16.25%	0.951%
15	9.433	1245	1249	1251	rVV	897814	871061	19.74%	1.156%
16	9.457	1251	1253	1257	rVV	516923	494130	11.20%	0.656%
17	9.551	1266	1269	1275	rVB	423229	487489	11.05%	0.647%
18	9.633	1280	1283	1287	rVV	994448	841048	19.06%	1.116%
19	9.775	1304	1307	1310	rVB	825064	697254	15.80%	0.925%
20	9.804	1310	1312	1316	rVB	649957	572833	12.98%	0.760%
21	9.880	1321	1325	1329	rBV2	197162	219477	4.97%	0.291%
22	9.980	1335	1342	1345	rBV2	652490	693605	15.72%	0.920%
23	10.016	1345	1348	1352	rVB	302664	256287	5.81%	0.340%
24	10.092	1357	1361	1364	rBV	307179	336046	7.62%	0.446%
25	10.122	1364	1366	1372	rVB	206948	169864	3.85%	0.225%
26	10.175	1372	1375	1378	rBV3	164914	234225	5.31%	0.311%
27	10.204	1378	1380	1382	rVB2	219261	171375	3.88%	0.227%
28	10.274	1387	1392	1394	rBV4	142069	172046	3.90%	0.228%
29	10.327	1397	1401	1406	rVB	1478398	1384810	31.38%	1.838%
30	10.386	1406	1411	1413	rBV2	159520	220011	4.99%	0.292%
31	10.480	1424	1427	1430	rVB	285664	275787	6.25%	0.366%
32	10.569	1439	1442	1446	rVV	1056889	1011544	22.92%	1.342%
33	10.692	1458	1463	1469	rVB2	253727	389028	8.82%	0.516%
34	10.874	1490	1494	1497	rBV2	440673	536422	12.16%	0.712%
35	10.904	1497	1499	1502	rVV	317660	254880	5.78%	0.338%
36	10.957	1505	1508	1511	rVV	282285	227800	5.16%	0.302%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.004	1511	1516	1518	rVV2	136472	164919	3.74%	0.219%
38	11.027	1518	1520	1526	rVV3	155489	193702	4.39%	0.257%
39	11.127	1531	1537	1540	rVV3	238894	348378	7.90%	0.462%
40	11.163	1540	1543	1549	rVB	789017	759311	17.21%	1.008%
41	11.269	1558	1561	1563	rBV	618536	639801	14.50%	0.849%
42	11.304	1563	1567	1569	rVV	3788720	3831236	86.83%	5.084%
43	11.351	1571	1575	1577	rVV	1258065	1122989	25.45%	1.490%
44	11.386	1577	1581	1583	rVV2	185014	271672	6.16%	0.361%
45	11.427	1586	1588	1594	rVB2	117136	179436	4.07%	0.238%
46	11.510	1598	1602	1605	rBV2	325707	376072	8.52%	0.499%
47	11.563	1608	1611	1613	rVB	403569	311166	7.05%	0.413%
48	11.604	1613	1618	1623	rVB	489528	484615	10.98%	0.643%
49	11.686	1629	1632	1636	rVB	296387	355166	8.05%	0.471%
50	11.774	1644	1647	1650	rBV	933943	948819	21.50%	1.259%
51	11.804	1650	1652	1657	rVB	1170136	1054748	23.90%	1.400%
52	11.857	1657	1661	1663	rBV	415277	412010	9.34%	0.547%
53	11.892	1663	1667	1669	rBV	1562819	1718336	38.94%	2.280%
54	11.910	1669	1670	1674	rVB	750044	513924	11.65%	0.682%
55	12.074	1694	1698	1700	rBV2	539083	529493	12.00%	0.703%
56	12.257	1726	1729	1731	rVV	296780	274691	6.23%	0.365%
57	12.280	1731	1733	1736	rVB2	244725	204060	4.62%	0.271%
58	12.333	1738	1742	1744	rBV	723351	753527	17.08%	1.000%
59	12.368	1744	1748	1750	rVV2	500588	600756	13.61%	0.797%
60	12.427	1754	1758	1761	rBV2	291788	446071	10.11%	0.592%
61	12.504	1766	1771	1773	rBV	3394530	3452761	78.25%	4.582%
62	12.539	1773	1777	1779	rVV2	230450	327883	7.43%	0.435%
63	12.592	1783	1786	1790	rVV	530222	510481	11.57%	0.677%
64	12.645	1793	1795	1798	rVV2	415080	429413	9.73%	0.570%
65	12.733	1803	1810	1815	rVV	3538841	4412519	100.00%	5.856%
66	12.780	1815	1818	1822	rVB2	306226	322416	7.31%	0.428%
67	12.868	1827	1833	1836	rBV2	1923114	1869318	42.36%	2.481%
68	12.945	1842	1846	1852	rBV3	468967	783967	17.77%	1.040%
69	13.004	1853	1856	1858	rVV	199417	185896	4.21%	0.247%
70	13.039	1858	1862	1863	rVV2	431471	569991	12.92%	0.756%
71	13.063	1863	1866	1869	rVB	1098674	1040329	23.58%	1.381%
72	13.127	1874	1877	1880	rVV	1113807	924038	20.94%	1.226%
73	13.163	1880	1883	1887	rVV2	720075	777895	17.63%	1.032%
74	13.257	1896	1899	1902	rBV	610938	510404	11.57%	0.677%
75	13.286	1902	1904	1908	rVB	554669	500496	11.34%	0.664%
76	13.439	1927	1930	1932	rBV2	142121	178584	4.05%	0.237%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

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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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.545	1945	1948	1951	rBV	208765	280167	6.35%	0.372%
78	13.686	1967	1972	1974	rBV	560820	668970	15.16%	0.888%
79	13.710	1974	1976	1978	rVB	468147	360489	8.17%	0.478%
80	13.739	1978	1981	1983	rBV	313909	297486	6.74%	0.395%
81	13.857	1998	2001	2007	rVB	212109	266750	6.05%	0.354%
82	13.933	2009	2014	2018	rVV2	2171154	3236026	73.34%	4.294%
83	13.968	2018	2020	2023	rVV	2026360	1684099	38.17%	2.235%
84	14.098	2039	2042	2048	rVB4	302467	399729	9.06%	0.530%
85	14.333	2077	2082	2085	rVV	602275	828159	18.77%	1.099%
86	14.362	2085	2087	2090	rVV	330120	306476	6.95%	0.407%
87	14.404	2090	2094	2096	rVV3	231526	337322	7.64%	0.448%
88	14.427	2096	2098	2101	rVV2	312193	325362	7.37%	0.432%
89	14.457	2101	2103	2105	rVV2	401384	398891	9.04%	0.529%
90	14.474	2105	2106	2110	rVV	388351	329595	7.47%	0.437%
91	14.521	2112	2114	2118	rVB3	189800	191022	4.33%	0.253%
92	14.992	2189	2194	2197	rBV	1023375	1620951	36.74%	2.151%
93	15.098	2208	2212	2217	rVB	305317	350378	7.94%	0.465%
94	15.292	2241	2245	2252	rVB	653626	807721	18.31%	1.072%
95	15.357	2252	2256	2262	rVV	1067244	1315361	29.81%	1.746%
96	15.415	2263	2266	2269	rVV	323774	374137	8.48%	0.496%
97	15.451	2269	2272	2278	rVB2	247396	366668	8.31%	0.487%
98	16.915	2515	2521	2529	rVB	354842	684188	15.51%	0.908%
99	17.374	2593	2599	2608	rVB	257714	530475	12.02%	0.704%
100	17.627	2639	2642	2653	rVB2	98051	249925	5.66%	0.332%

Sum of corrected areas: 75356749

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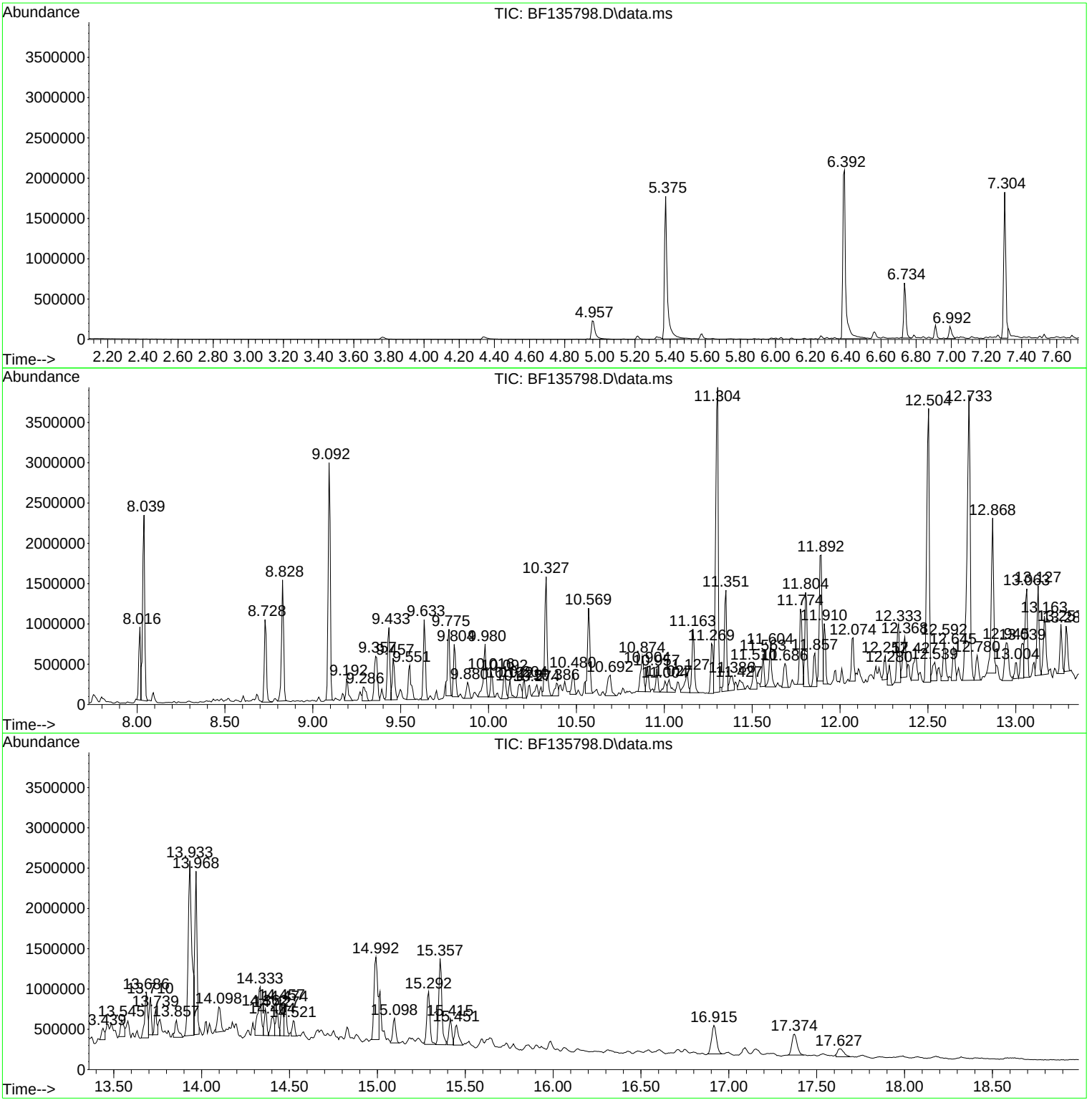
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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\BF101623\
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Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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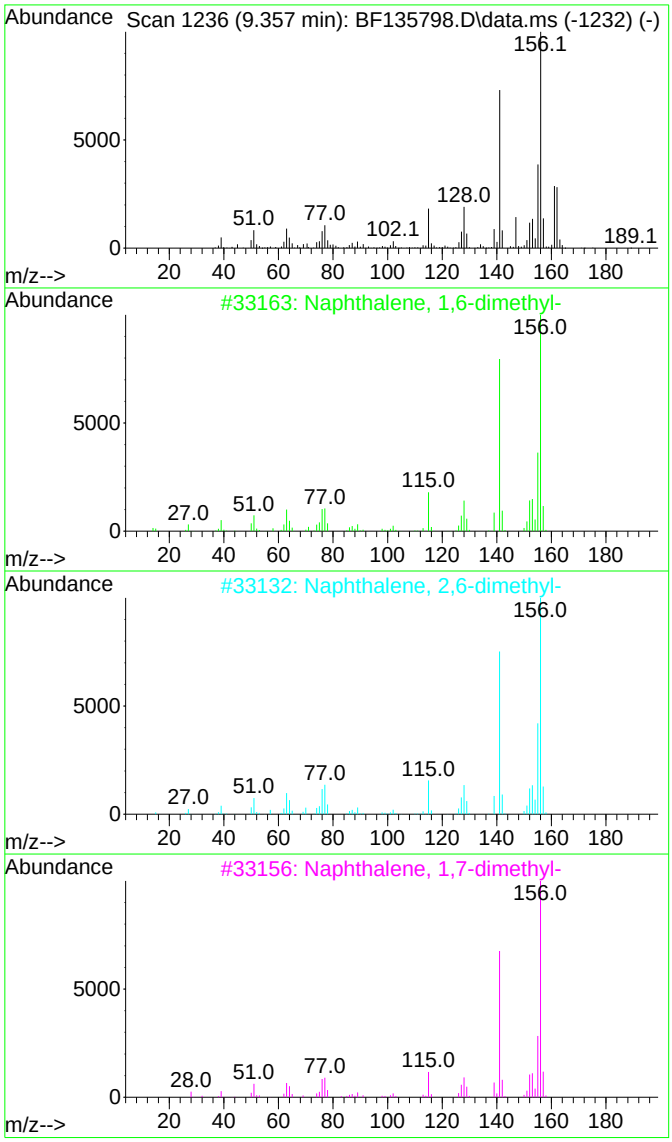
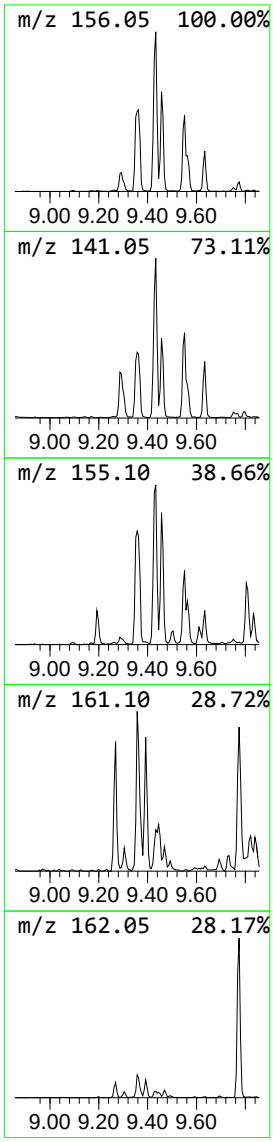
Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.357	20.56 ng	716923	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135798.D
Acq On : 17 Oct 2023 02:29
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

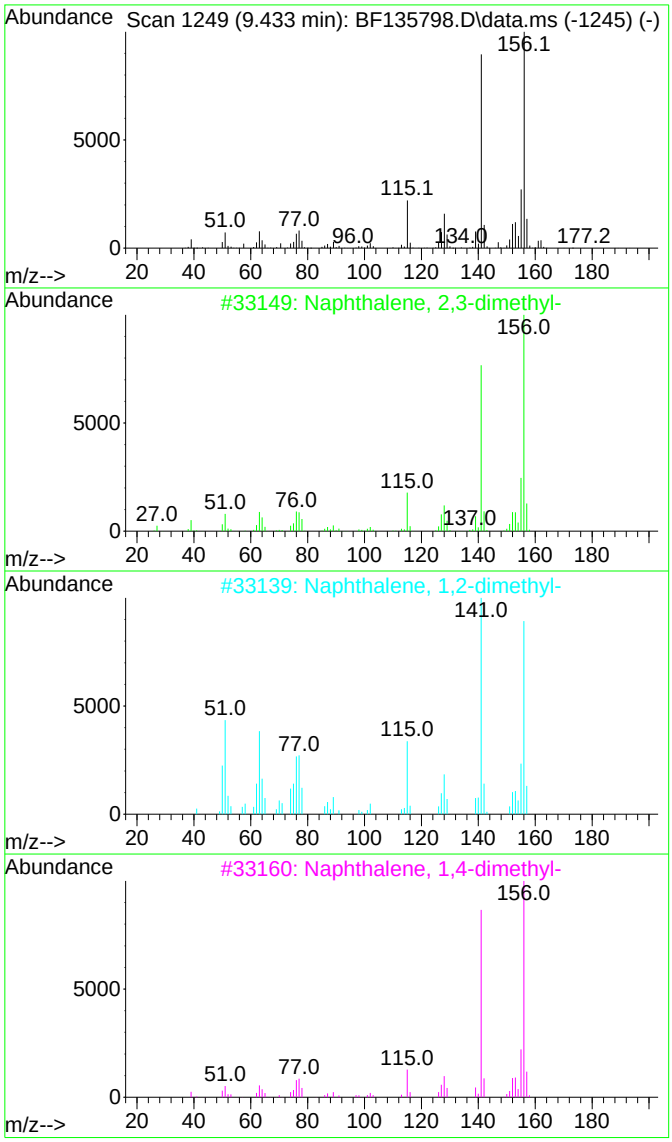
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

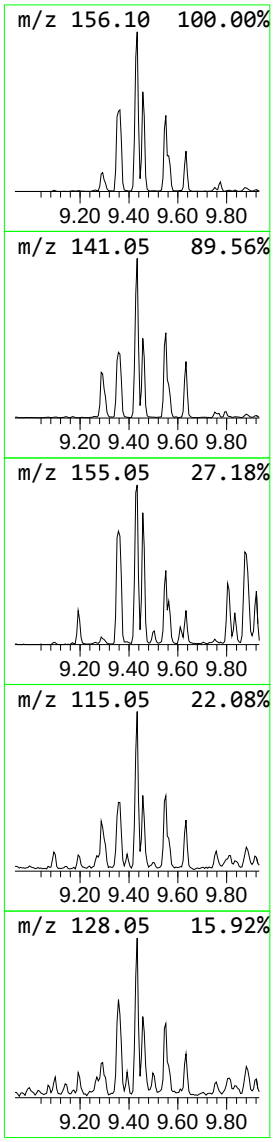
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.433	24.99 ng	871061	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
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ALS Vial : 20 Sample Multiplier: 1

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BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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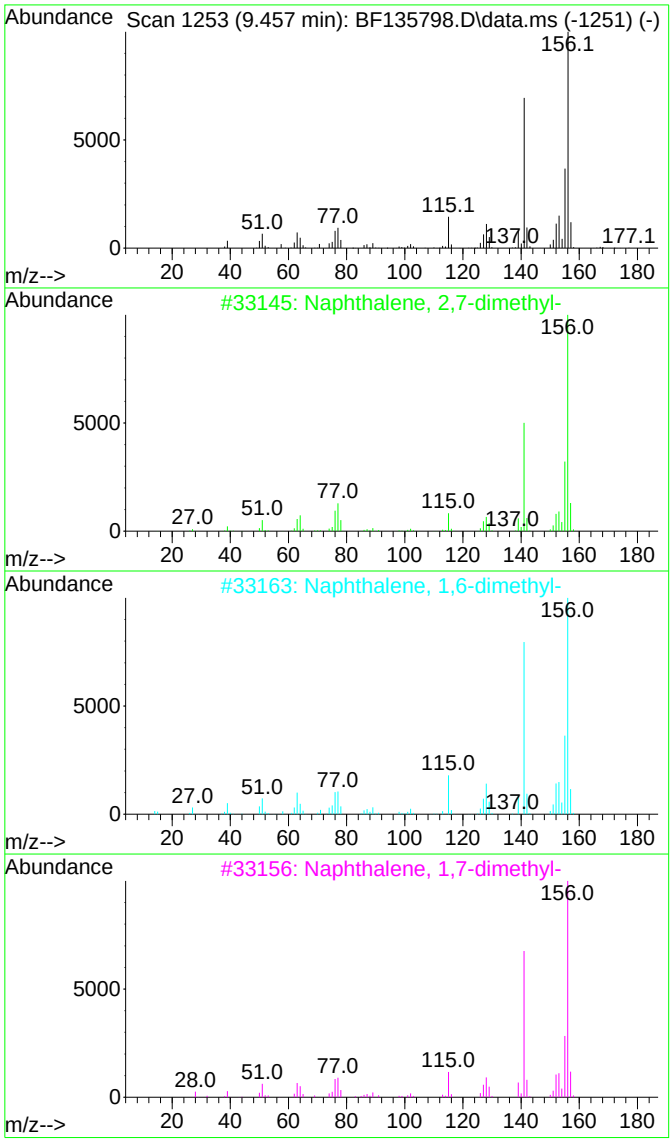
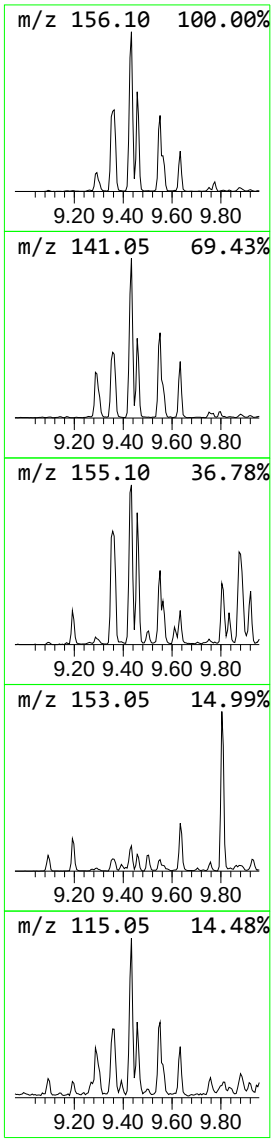
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	14.17 ng	494130	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Data File : BF135798.D
Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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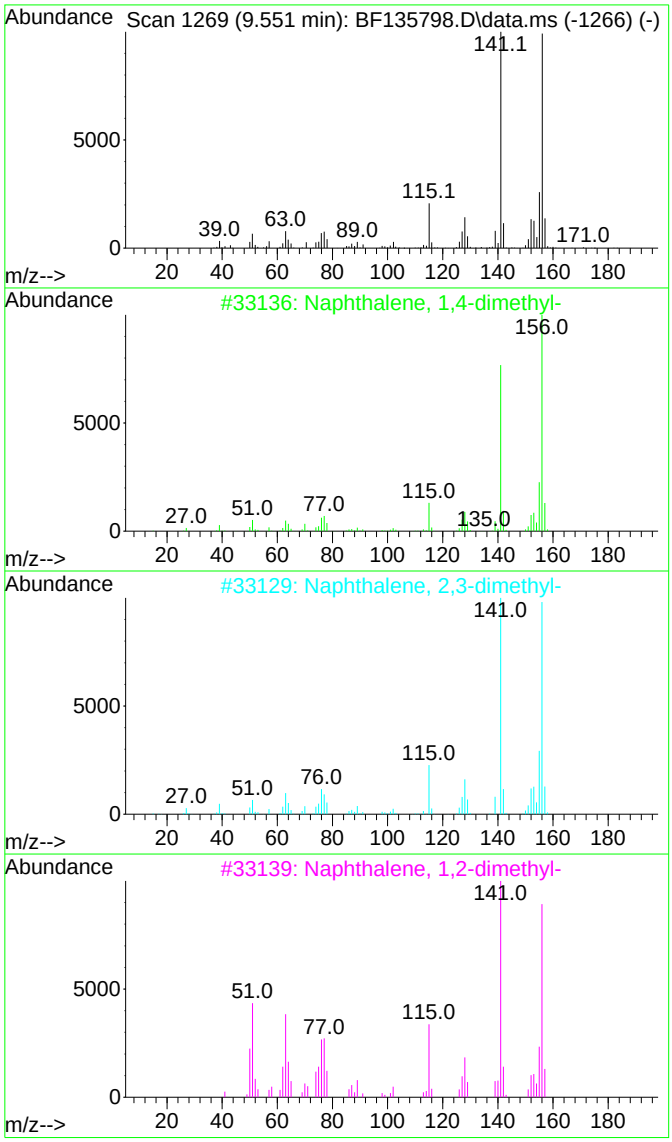
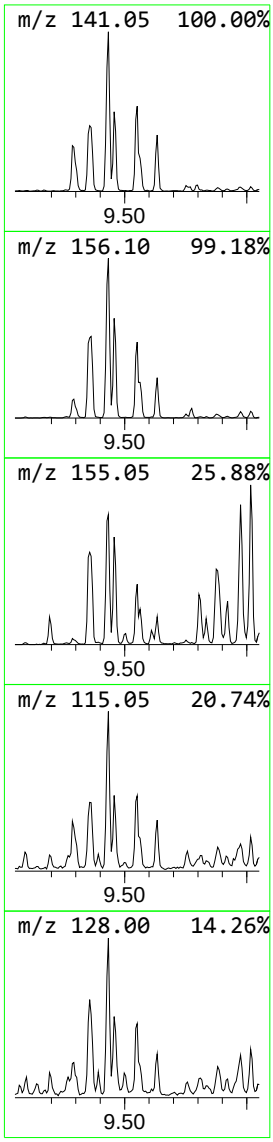
Peak Number 4 Naphthalene, 1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.551	13.98 ng	487489	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135798.D
Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

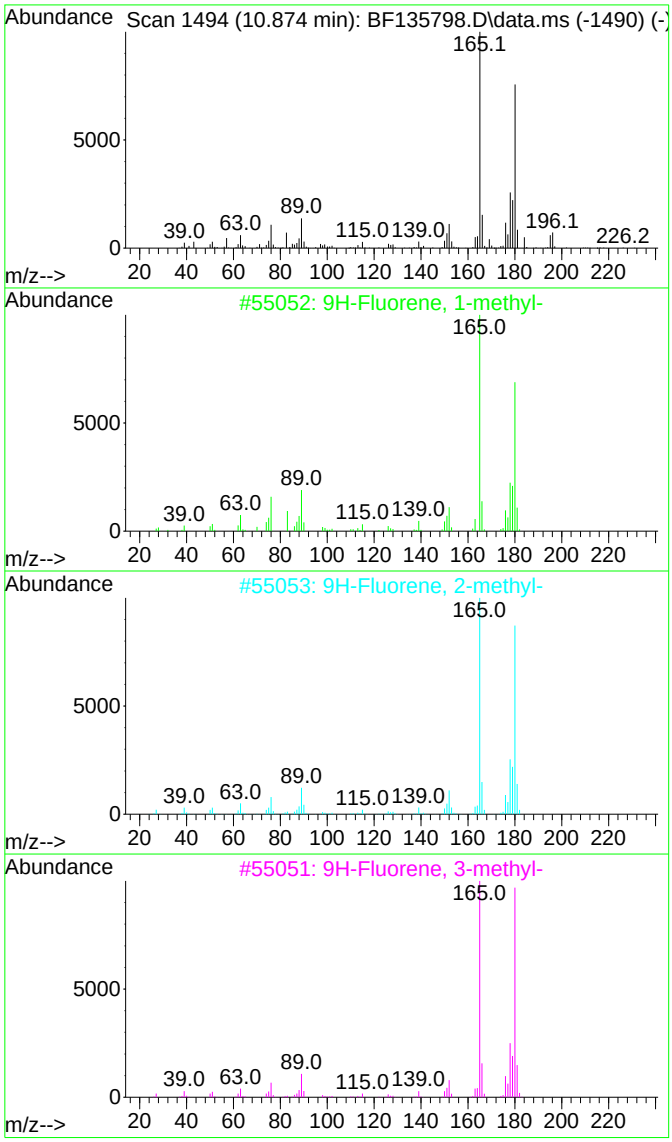
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

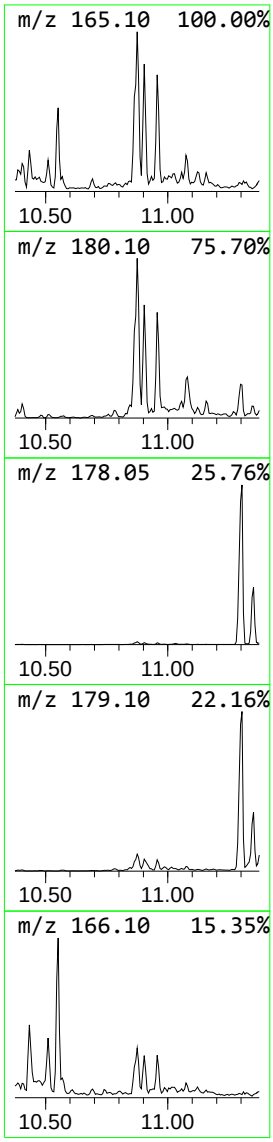
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.874	16.77 ng	536422	Phenanthrene-d10	11.269

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	90
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74





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Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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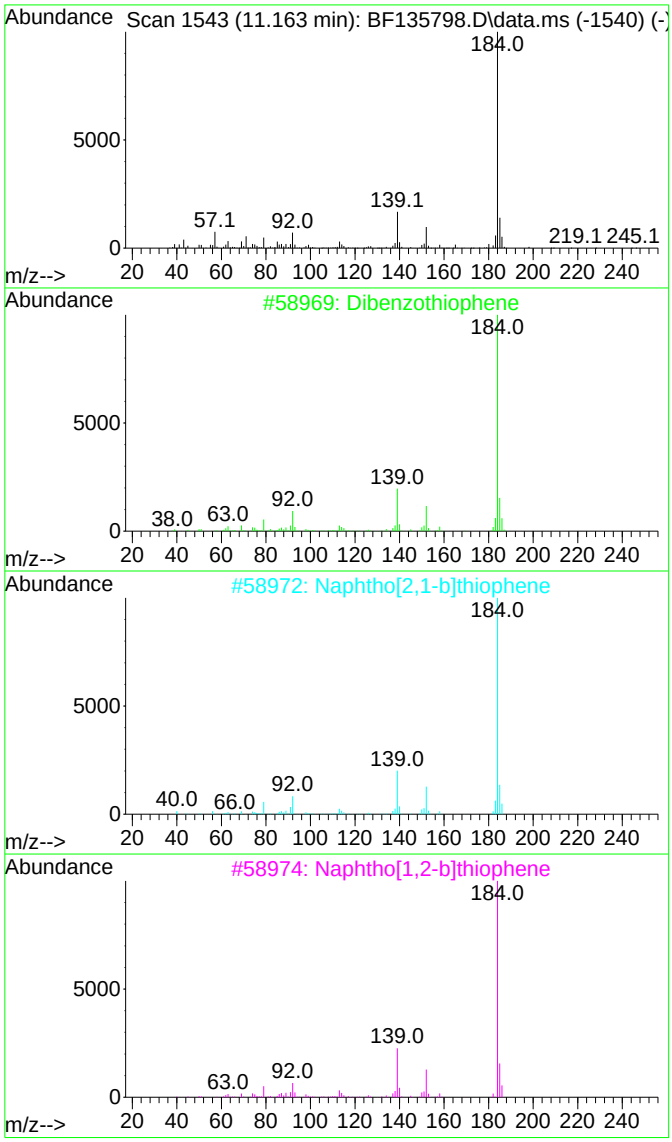
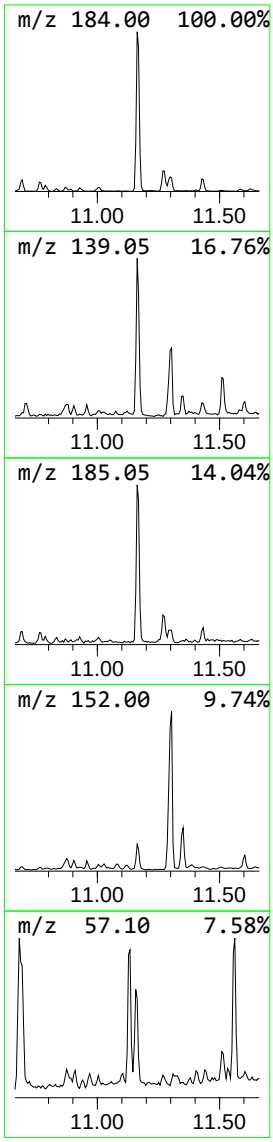
Peak Number 6 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	23.74 ng	759311	Phenanthrene-d10	11.269

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	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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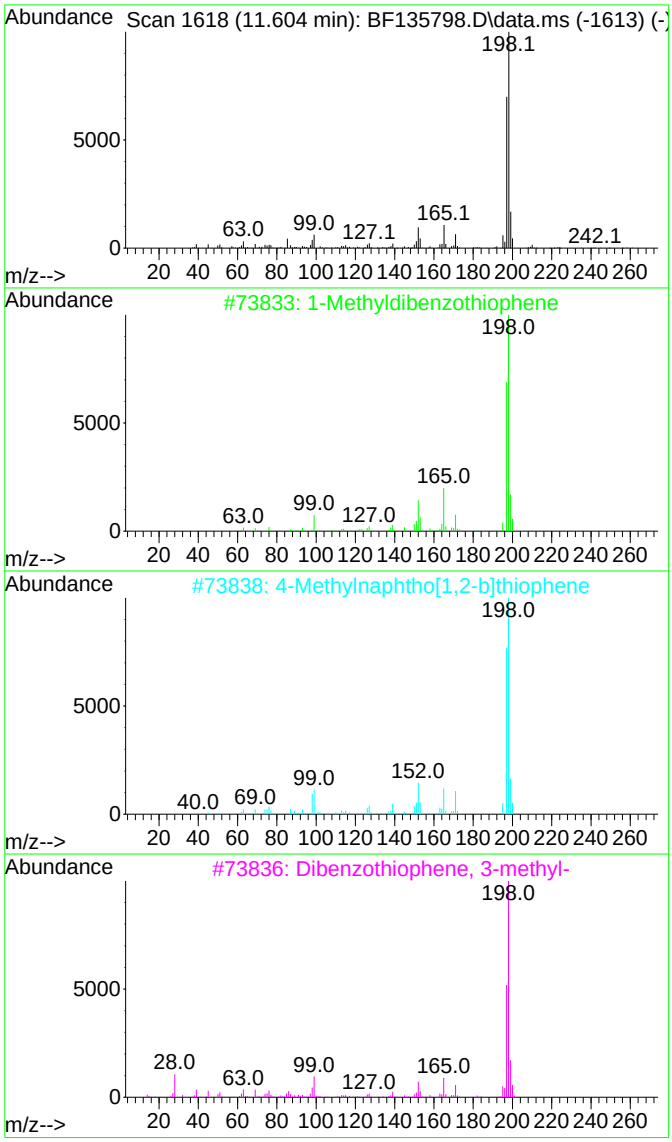
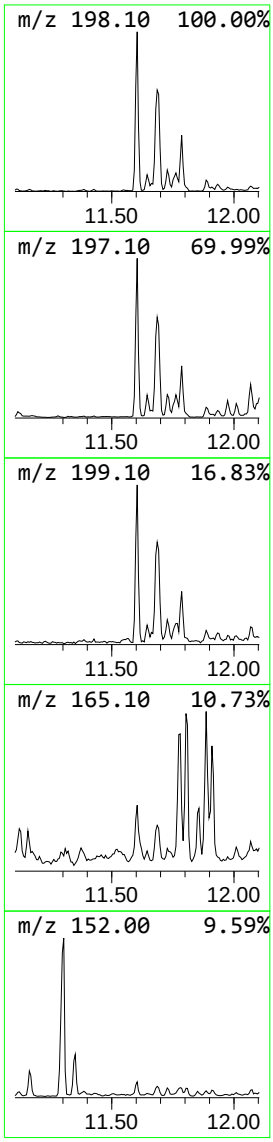
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	15.15 ng	484615	Phenanthrene-d10	11.269

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, 3-methyl-	198	C13H10S	016587-52-3	95
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90





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Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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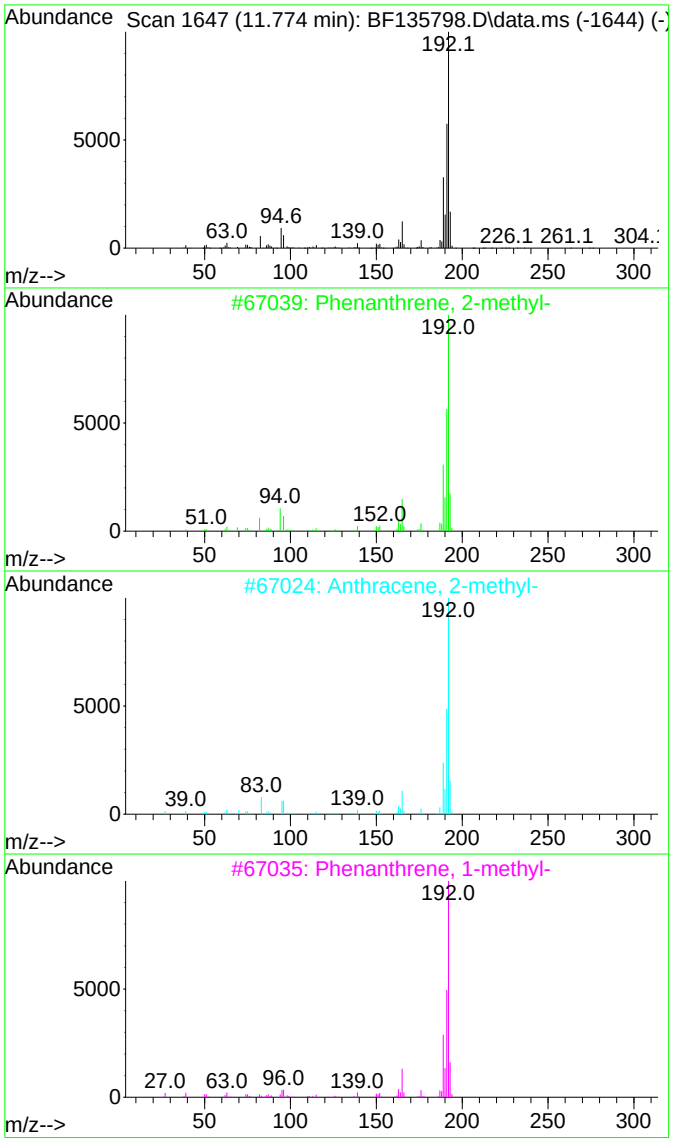
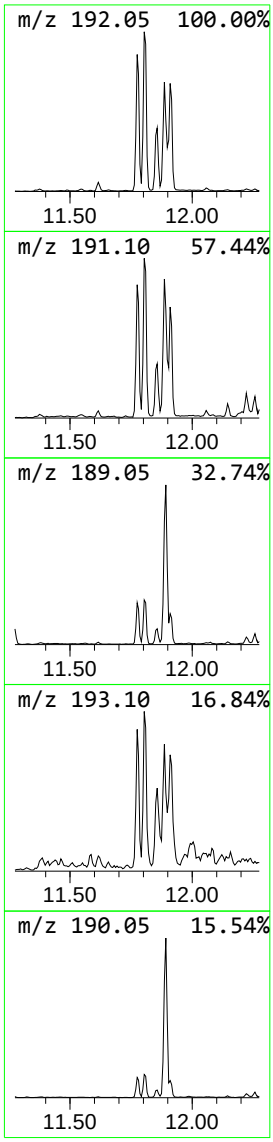
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	29.66 ng	948819	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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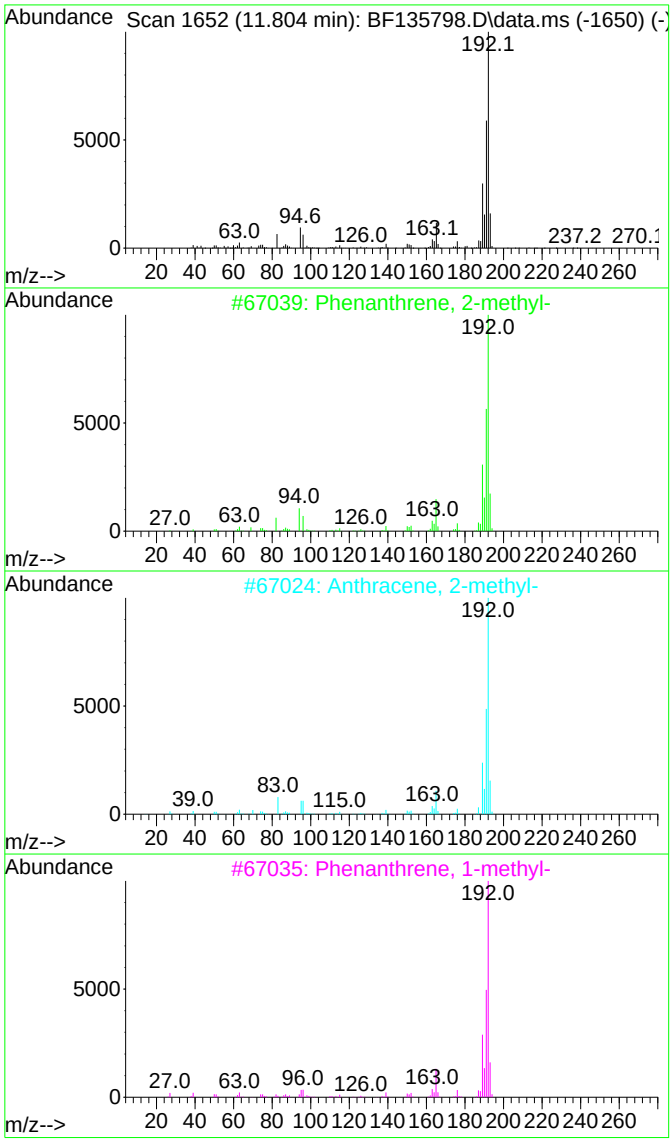
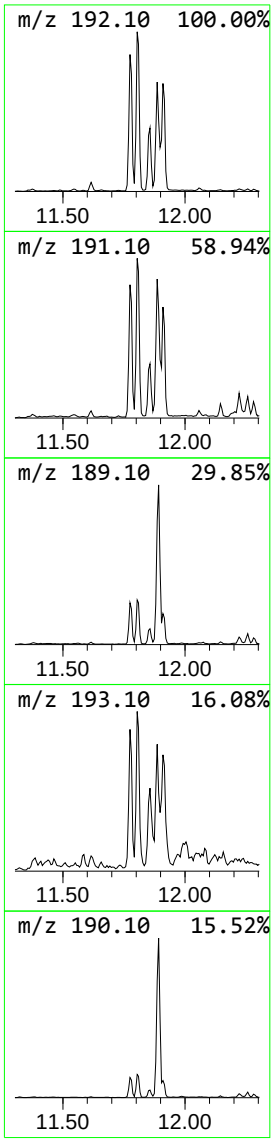
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	32.97 ng	1054750	Phenanthrene-d10	11.269

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, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-4(5-10)

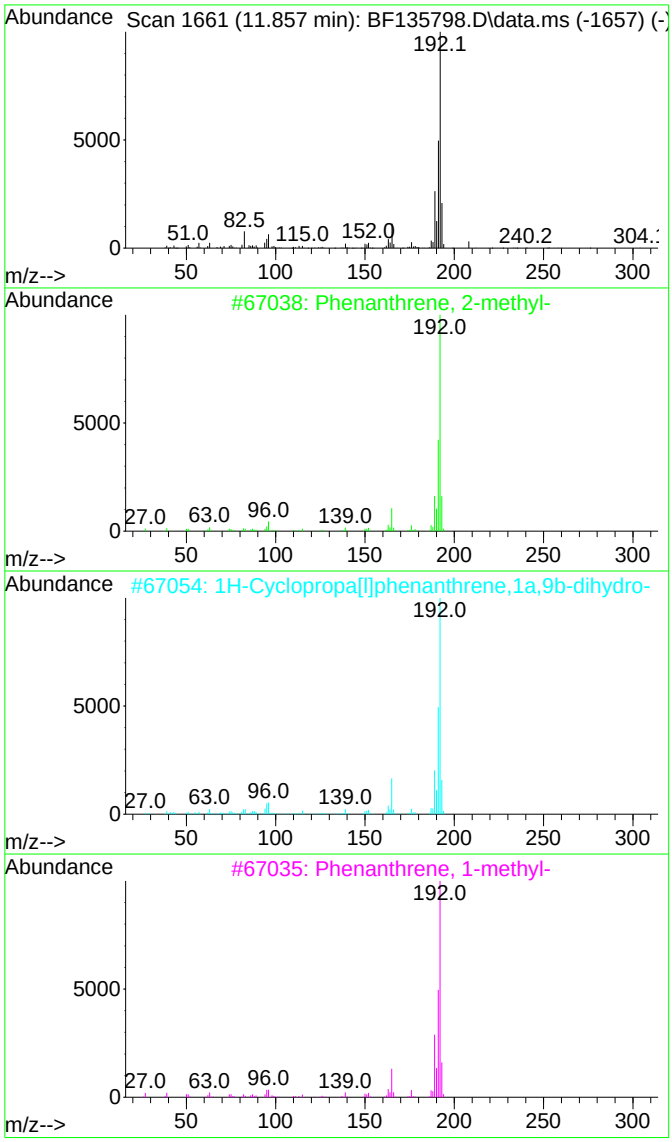
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

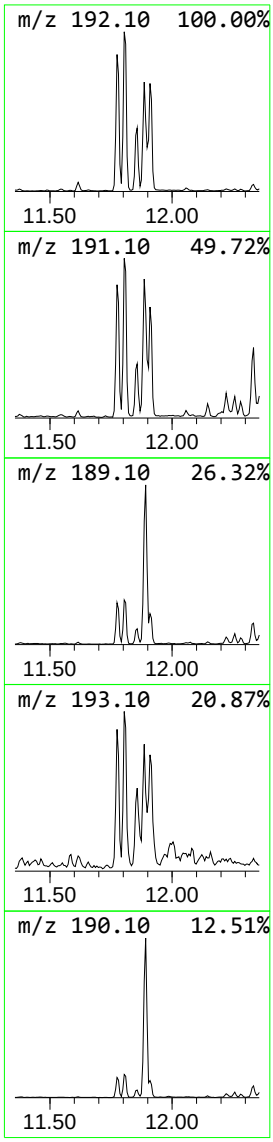
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	12.88 ng	412010	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-4(5-10)

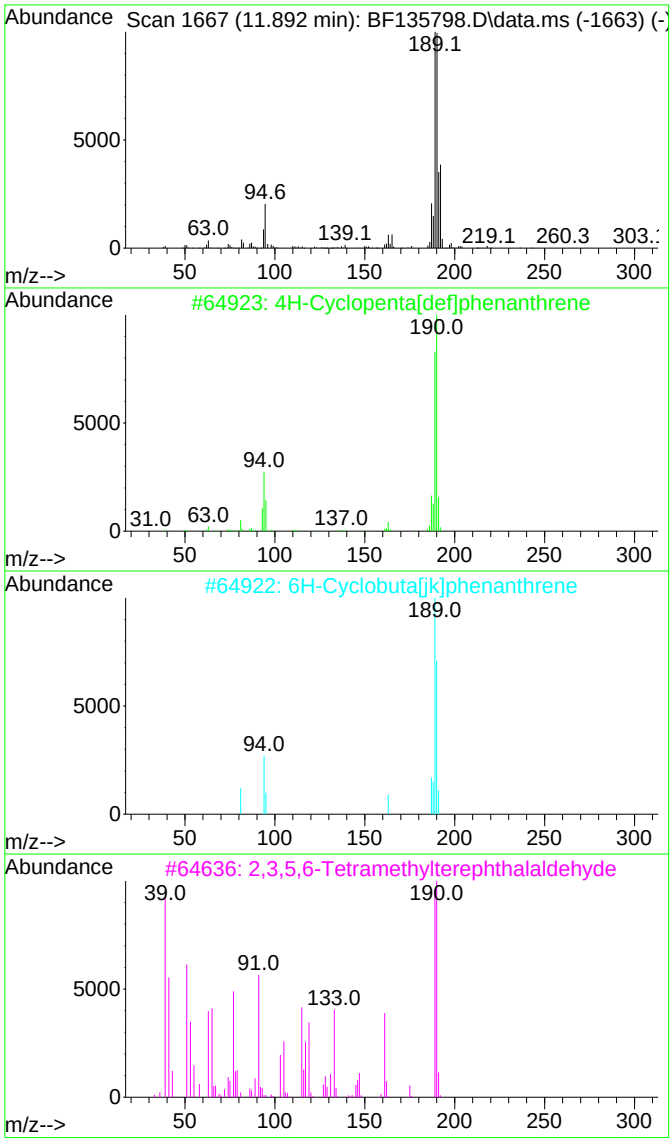
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

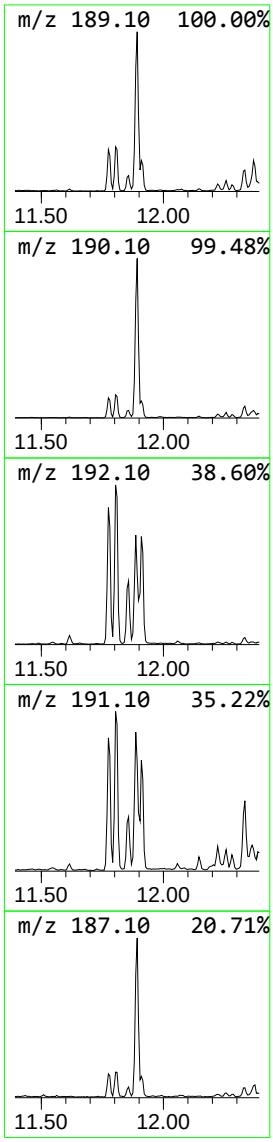
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	53.71 ng	1718340	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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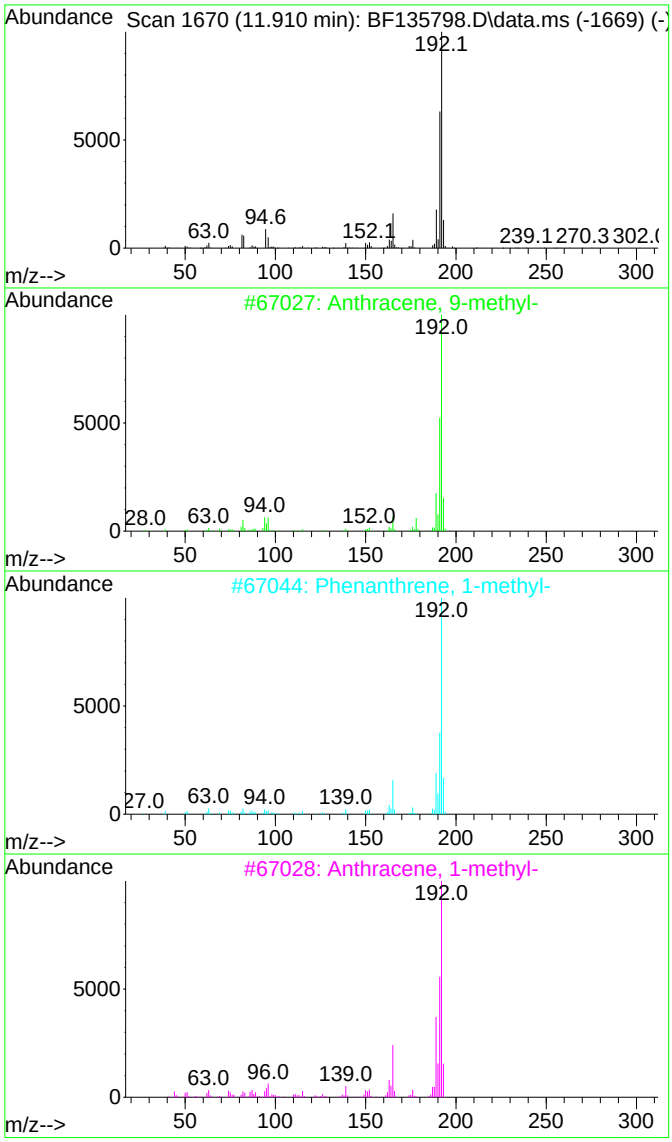
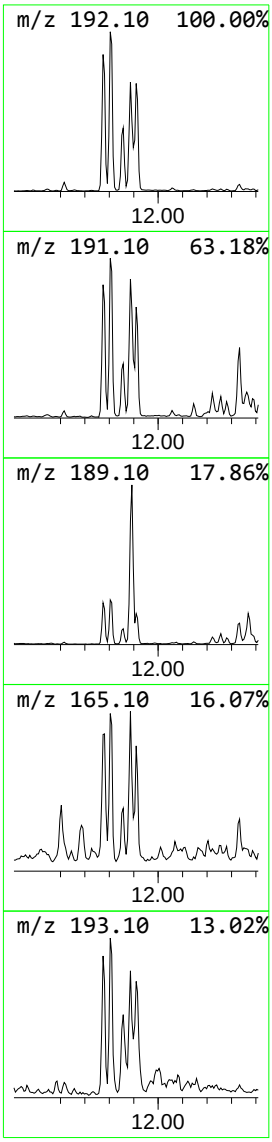
Peak Number 12 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	16.07 ng	513924	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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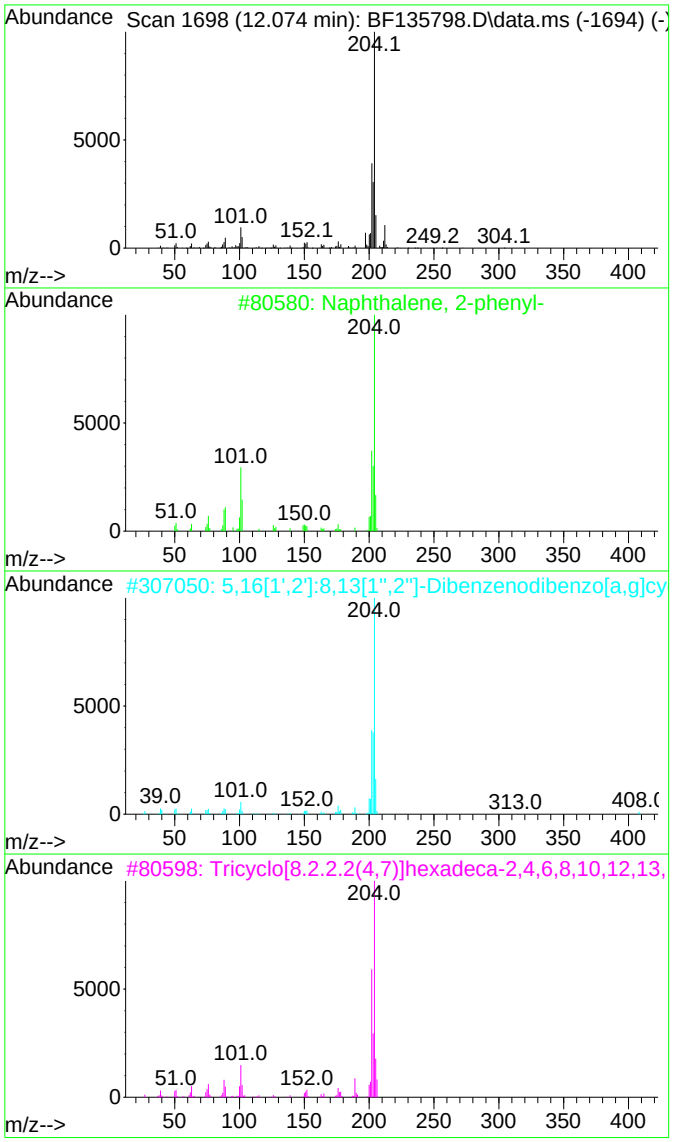
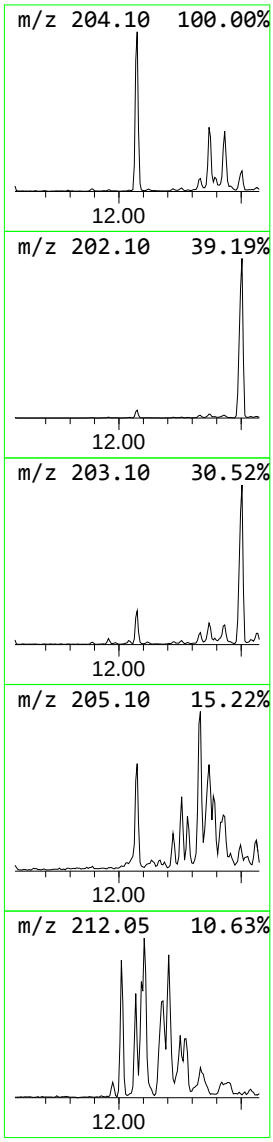
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	16.55 ng	529493	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	43





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Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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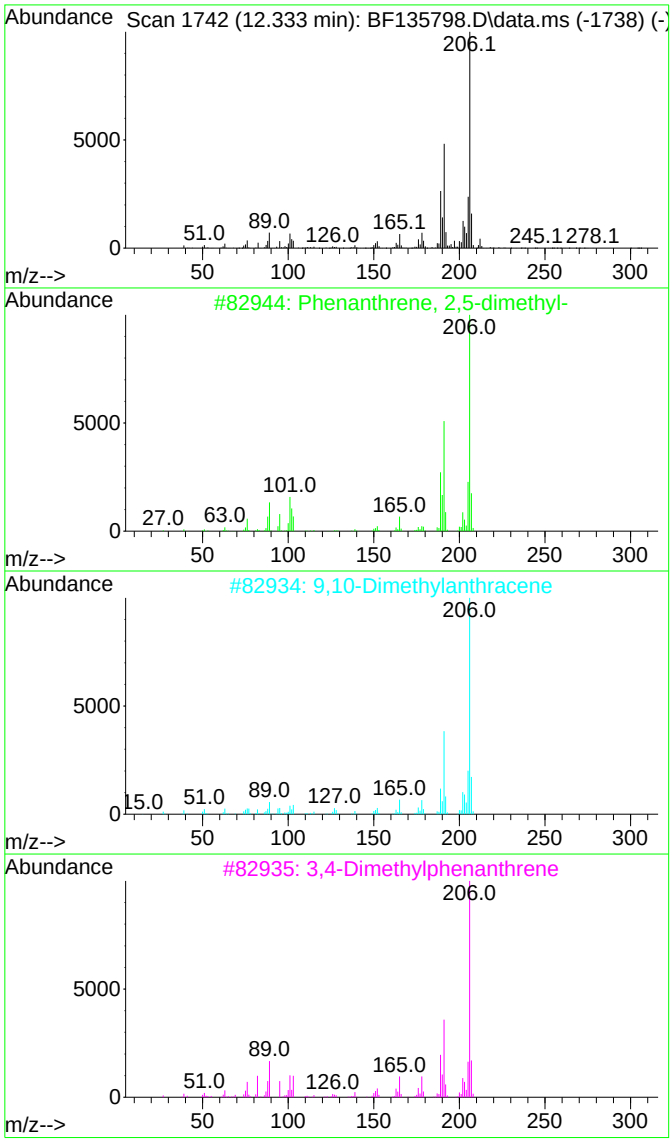
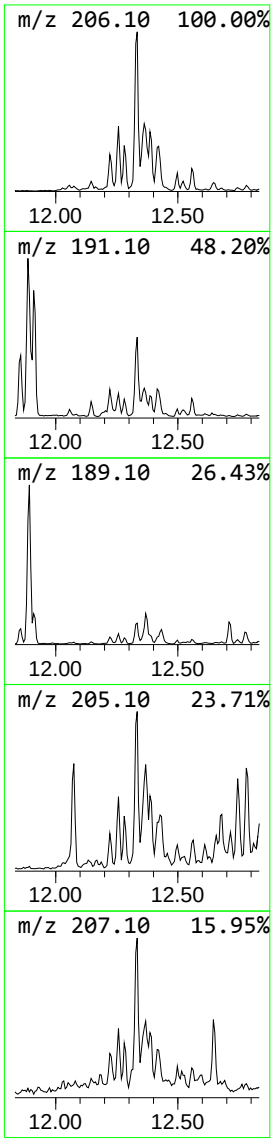
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	23.56 ng	753527	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

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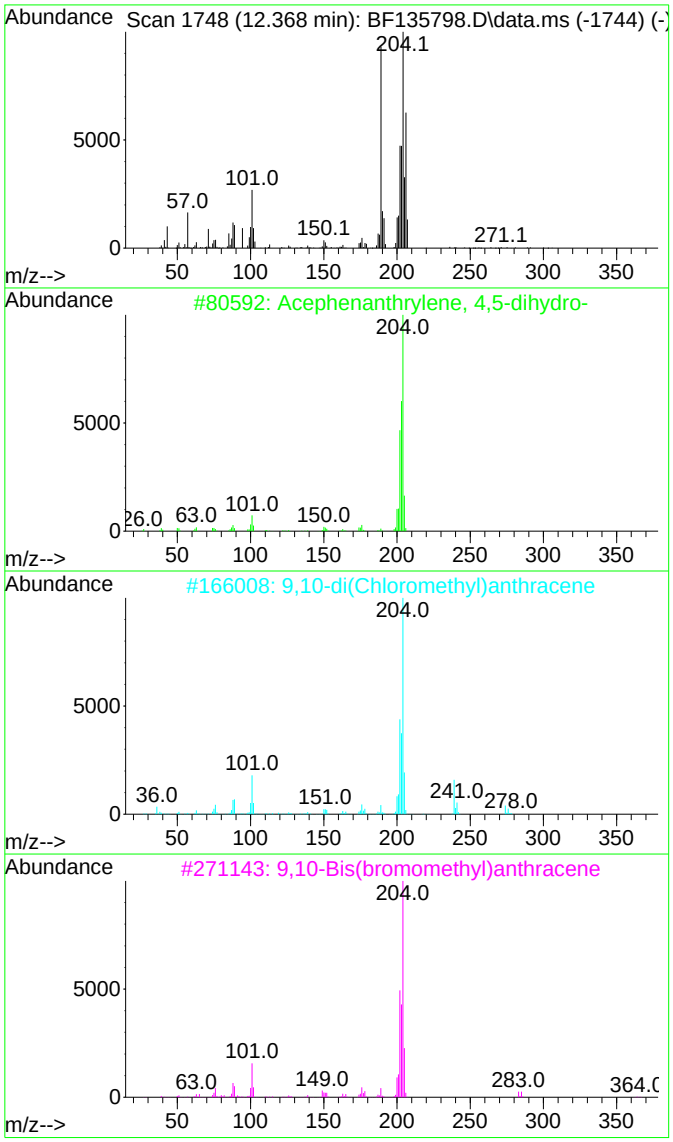
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

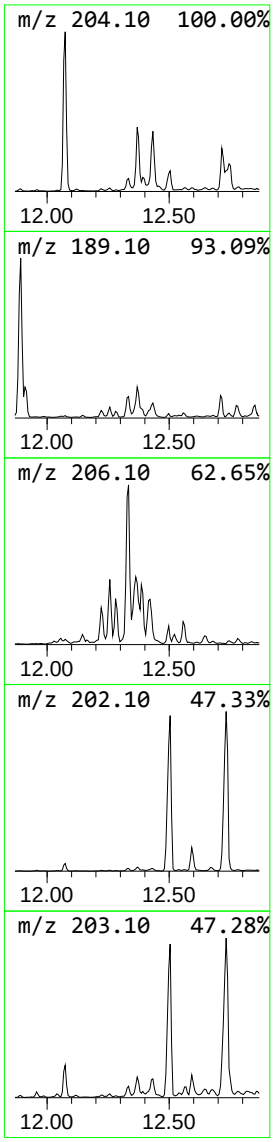
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Acephenanthrylene, 4,5-dihy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	18.78 ng	600756	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	52
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	44
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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ClientSampleId :
R-4(5-10)

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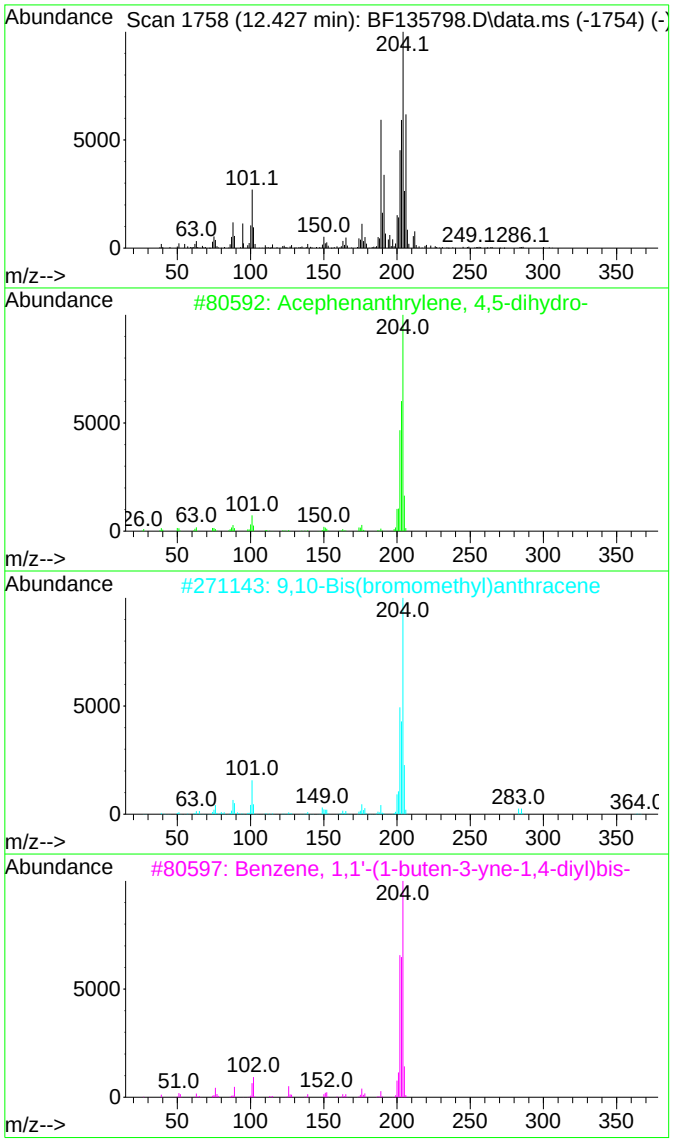
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

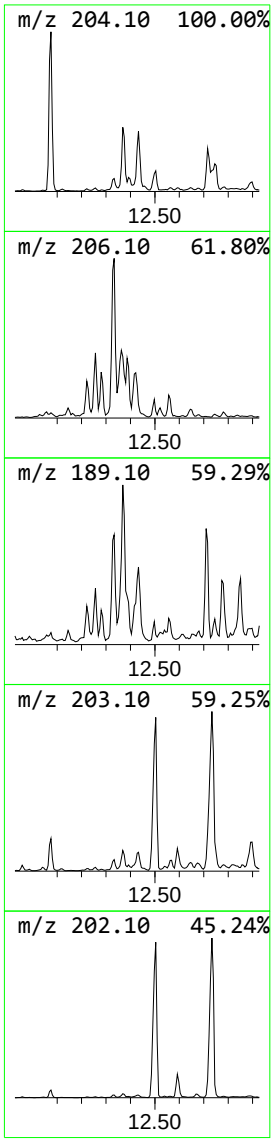
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 9,10-Bis(bromomethyl)anthra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	13.94 ng	446071	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	64
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	50
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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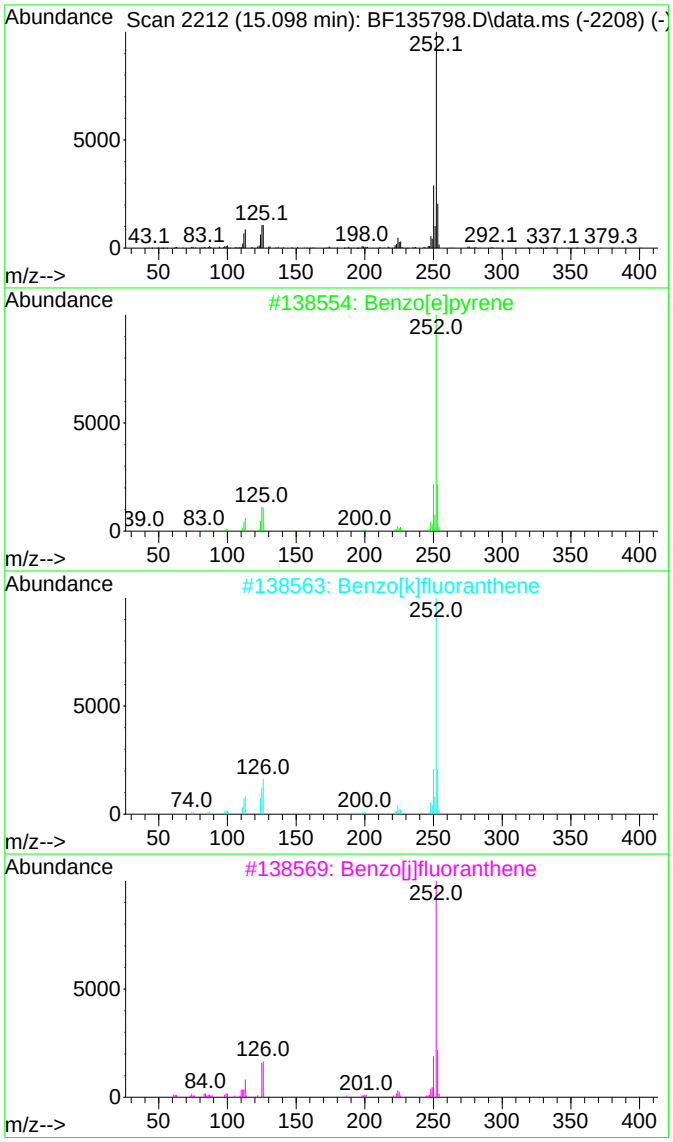
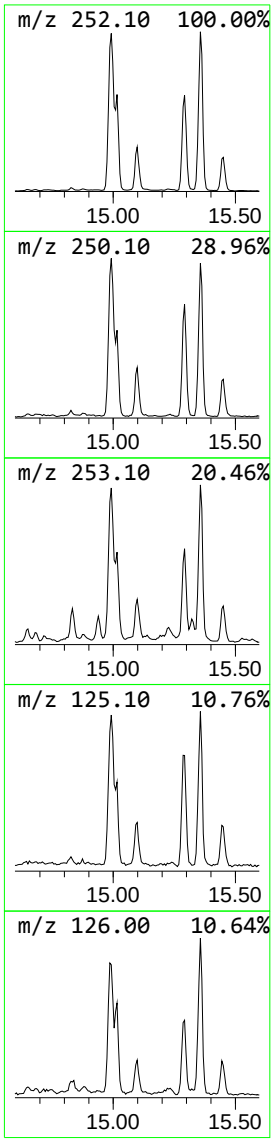
Peak Number 18 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	18.73 ng	350378	Perylene-d12	15.415

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	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135798.D
Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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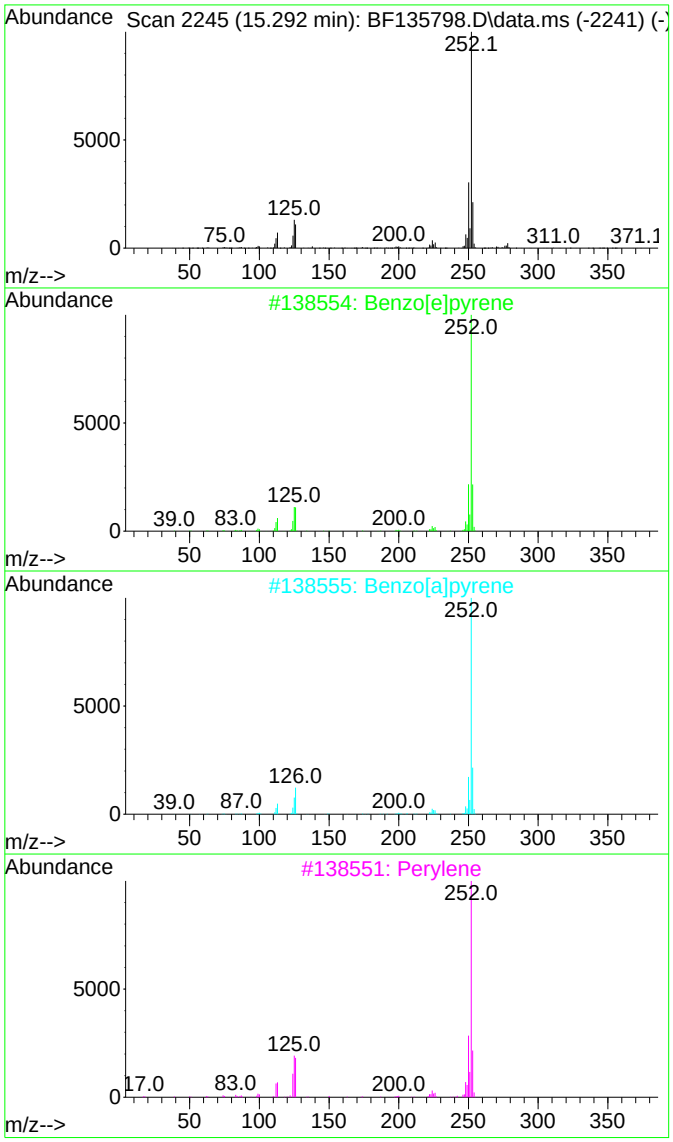
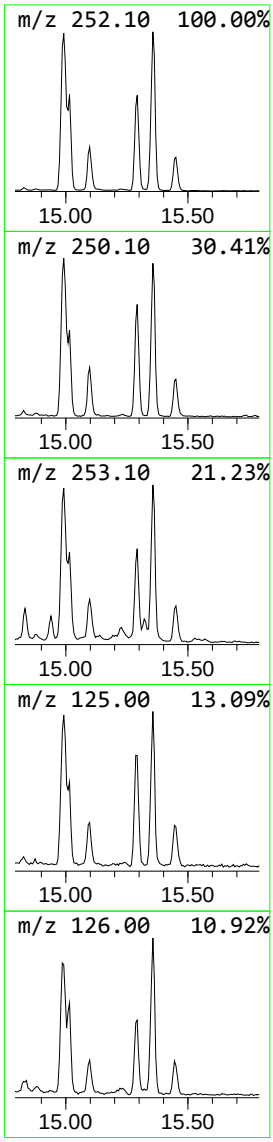
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.292	43.18 ng	807721	Perylene-d12	15.415

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	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135798.D
Acq On : 17 Oct 2023 02:29
Operator : CG\JU
Sample : 04704-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-4(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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,...	9.357	20.6	ng	716923	3	9.775	697254	20.0
Naphthalene, 2,...	9.433	25.0	ng	871061	3	9.775	697254	20.0
Naphthalene, 2,...	9.457	14.2	ng	494130	3	9.775	697254	20.0
Naphthalene, 1,...	9.551	14.0	ng	487489	3	9.775	697254	20.0
9H-Fluorene, 1-...	10.874	16.8	ng	536422	4	11.269	639801	20.0
Dibenzothiophene	11.163	23.7	ng	759311	4	11.269	639801	20.0
1-Methyldibenzo...	11.604	15.2	ng	484615	4	11.269	639801	20.0
Phenanthrene, 2...	11.774	29.7	ng	948819	4	11.269	639801	20.0
Anthracene, 2-m...	11.804	33.0	ng	1054750	4	11.269	639801	20.0
1H-Cyclopropa[l...	11.857	12.9	ng	412010	4	11.269	639801	20.0
4H-Cyclopenta[d...	11.892	53.7	ng	1718340	4	11.269	639801	20.0
Anthracene, 9-m...	11.910	16.1	ng	513924	4	11.269	639801	20.0
Naphthalene, 2-...	12.074	16.6	ng	529493	4	11.269	639801	20.0
Phenanthrene, 2...	12.333	23.6	ng	753527	4	11.269	639801	20.0
Acephenanthryle...	12.368	18.8	ng	600756	4	11.269	639801	20.0
9,10-Bis(bromom...	12.427	13.9	ng	446071	4	11.269	639801	20.0
Benzo[e]pyrene	15.098	18.7	ng	350378	6	15.415	374137	20.0
Perylene	15.292	43.2	ng	807721	6	15.415	374137	20.0