LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
Data File : BF134659.D
Acq On : 07 Aug 2023 17:54
Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP-01

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134659.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.857	294	301	308	rBV	192112	252955	3.72%	0.282%
2	5.287	540	544	548	rBV	285797	255118	3.75%	0.284%
3	5.392	558	562	564	rBV	221701	215793	3.17%	0.240%
4	5.645	600	605	611	rBV2	161572	215593	3.17%	0.240%
5	6.628	768	772	777	rBV2	268366	287845	4.23%	0.321%
6	6.798	797	801	804	rBV	1434482	1077160	15.83%	1.199%
7	7.057	841	845	848	rBV	1181139	931944	13.70%	1.038%
8	7.828	969	976	979	rBV2	316907	363784	5.35%	0.405%
9	7.857	979	981	986	rVB	260318	310076	4.56%	0.345%
10	8.080	1014	1019	1020	rBV	1520628	1595319	23.45%	1.776%
11	8.104	1020	1023	1026	rVV	6623484	6803947	100.00%	7.576%
12	8.151	1026	1031	1034	rVB	498540	440163	6.47%	0.490%
13	8.792	1136	1140	1143	rVV	5166531	4476486	65.79%	4.985%
14	8.839	1145	1148	1151	rBV	227454	200007	2.94%	0.223%
15	8.892	1151	1157	1160	rVB	3918398	3574601	52.54%	3.980%
16	9.251	1211	1218	1222	rBV	1444639	1152576	16.94%	1.283%
17	9.322	1227	1230	1232	rBV	212226	206405	3.03%	0.230%
18	9.345	1232	1234	1240	rVB2	367274	422116	6.20%	0.470%
19	9.416	1240	1246	1250	rBV	1179302	1531716	22.51%	1.706%
20	9.451	1250	1252	1254	rVB	369444	249474	3.67%	0.278%
21	9.492	1254	1259	1261	rBV	1783508	1717580	25.24%	1.913%
22	9.516	1261	1263	1267	rVB	1029129	884638	13.00%	0.985%
23	9.557	1267	1270	1273	rVB	589152	510453	7.50%	0.568%
24	9.610	1275	1279	1280	rBV	680702	631814	9.29%	0.704%
25	9.692	1289	1293	1296	rVB	2400116	1866570	27.43%	2.078%
26	9.816	1310	1314	1315	rBV	675362	694624	10.21%	0.773%
27	9.827	1315	1316	1319	rVV	1508202	1178036	17.31%	1.312%
28	9.863	1319	1322	1326	rVV2	1169995	1056998	15.54%	1.177%
29	9.939	1331	1335	1338	rBV2	244298	248656	3.65%	0.277%
30	10.033	1349	1351	1355	rVB	491695	373125	5.48%	0.415%
31	10.074	1355	1358	1361	rBV	393933	295450	4.34%	0.329%
32	10.145	1366	1370	1373	rBV2	390291	522377	7.68%	0.582%
33	10.239	1382	1386	1388	rVV2	203656	284645	4.18%	0.317%
34	10.286	1391	1394	1396	rVV	466920	419090	6.16%	0.467%
35	10.351	1403	1405	1407	rVV	381573	303626	4.46%	0.338%
36	10.380	1407	1410	1416	rVV	2555652	2265761	33.30%	2.523%

LSC Area Percent Report

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Misc :
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Instrument :
BNA_F
ClientSampleId :
DUP-01

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.445	1416	1421	1423	rVV2	210976	285844	4.20%	0.318%
38	10.486	1426	1428	1431	rVV3	328731	342673	5.04%	0.382%
39	10.533	1433	1436	1439	rVV	268201	318859	4.69%	0.355%
40	10.604	1445	1448	1455	rVB2	572718	690802	10.15%	0.769%
41	10.745	1469	1472	1477	rVB	325995	352031	5.17%	0.392%
42	10.927	1498	1503	1506	rVV	612119	732591	10.77%	0.816%
43	10.957	1506	1508	1512	rVV	309763	251844	3.70%	0.280%
44	11.010	1514	1517	1521	rBV	374072	327875	4.82%	0.365%
45	11.192	1546	1548	1549	rVV	263981	207938	3.06%	0.232%
46	11.216	1549	1552	1557	rVB	1658069	1490538	21.91%	1.660%
47	11.321	1566	1570	1572	rBV	1229275	1259355	18.51%	1.402%
48	11.351	1572	1575	1578	rVV	5765330	5289126	77.74%	5.889%
49	11.398	1578	1583	1586	rVV	2007940	1639048	24.09%	1.825%
50	11.621	1618	1621	1623	rBV	594825	488584	7.18%	0.544%
51	11.651	1623	1626	1630	rVV	891889	750553	11.03%	0.836%
52	11.733	1637	1640	1644	rVB	649836	706316	10.38%	0.786%
53	11.827	1650	1656	1658	rVV	1552398	1549811	22.78%	1.726%
54	11.857	1658	1661	1664	rVB	1511919	1405127	20.65%	1.565%
55	11.898	1664	1668	1671	rBV	606848	548274	8.06%	0.610%
56	11.933	1671	1674	1677	rVV	1855919	2141730	31.48%	2.385%
57	11.957	1677	1678	1684	rVB	1012816	711677	10.46%	0.792%
58	12.033	1688	1691	1693	rVV2	252414	208036	3.06%	0.232%
59	12.121	1703	1706	1708	rVV2	887580	793147	11.66%	0.883%
60	12.151	1708	1711	1714	rVV	238609	278422	4.09%	0.310%
61	12.221	1718	1723	1726	rVV2	142935	247038	3.63%	0.275%
62	12.298	1734	1736	1738	rVV2	294869	304015	4.47%	0.339%
63	12.321	1738	1740	1743	rVB3	263371	259283	3.81%	0.289%
64	12.374	1743	1749	1752	rBV	748329	879525	12.93%	0.979%
65	12.415	1752	1756	1761	rVV2	536242	923150	13.57%	1.028%
66	12.474	1761	1766	1768	rVV2	271606	421895	6.20%	0.470%
67	12.539	1773	1777	1780	rBV	2457916	2119566	31.15%	2.360%
68	12.586	1782	1785	1787	rVV	208899	224807	3.30%	0.250%
69	12.633	1790	1793	1796	rVV	817060	748253	11.00%	0.833%
70	12.686	1800	1802	1809	rVB2	435594	544503	8.00%	0.606%
71	12.768	1810	1816	1819	rBV	3700629	3527773	51.85%	3.928%
72	12.921	1837	1842	1848	rVB7	118084	267407	3.93%	0.298%
73	12.986	1849	1853	1857	rBV	406508	568286	8.35%	0.633%
74	13.074	1864	1868	1869	rVV2	450695	536039	7.88%	0.597%
75	13.092	1869	1871	1875	rVB	876826	884575	13.00%	0.985%
76	13.162	1880	1883	1886	rVV	777966	671740	9.87%	0.748%

LSC Area Percent Report

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Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.198	1886	1889	1893	rVV	716905	707152	10.39%	0.787%
78	13.292	1902	1905	1908	rVV	640884	563337	8.28%	0.627%
79	13.321	1908	1910	1914	rVB	661711	616283	9.06%	0.686%
80	13.715	1971	1977	1980	rBV	724511	810827	11.92%	0.903%
81	13.745	1980	1982	1984	rVV	454459	359967	5.29%	0.401%
82	13.886	2001	2006	2013	rVB	249257	351040	5.16%	0.391%
83	13.962	2014	2019	2022	rBV2	2187853	2983097	43.84%	3.322%
84	13.998	2022	2025	2030	rVB	1414934	1472095	21.64%	1.639%
85	14.109	2041	2044	2046	rBV2	228471	227325	3.34%	0.253%
86	14.221	2061	2063	2067	rVB	201997	206628	3.04%	0.230%
87	14.357	2082	2086	2089	rVV	638146	756432	11.12%	0.842%
88	14.392	2089	2092	2094	rVV	338861	306409	4.50%	0.341%
89	14.427	2094	2098	2099	rVV2	174572	202360	2.97%	0.225%
90	14.451	2099	2102	2105	rVV2	395917	448760	6.60%	0.500%
91	14.480	2105	2107	2109	rVV	346681	343919	5.05%	0.383%
92	14.498	2109	2110	2115	rVV2	332204	342565	5.03%	0.381%
93	14.557	2116	2120	2123	rVV2	174120	239261	3.52%	0.266%
94	15.009	2192	2197	2204	rBV	651652	1329392	19.54%	1.480%
95	15.115	2211	2215	2219	rVB	270444	305962	4.50%	0.341%
96	15.309	2244	2248	2254	rBV	509587	623358	9.16%	0.694%
97	15.374	2254	2259	2264	rBV	987039	1124242	16.52%	1.252%
98	15.439	2265	2270	2273	rBV	788170	964615	14.18%	1.074%
99	16.915	2515	2521	2531	rVB2	205001	459862	6.76%	0.512%
100	17.362	2592	2597	2608	rVB	168515	348185	5.12%	0.388%

Sum of corrected areas: 89807650

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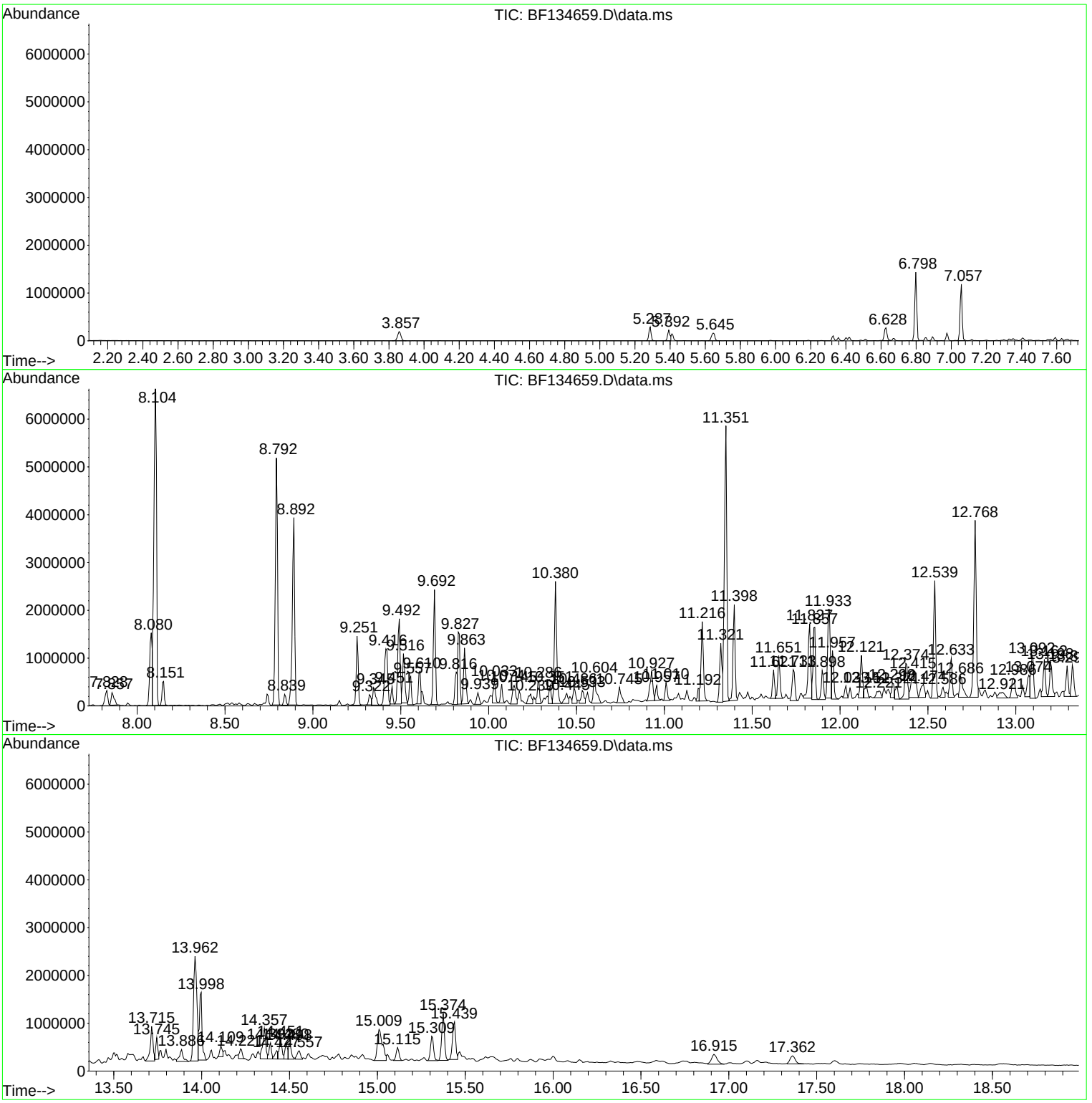
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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\BF080723\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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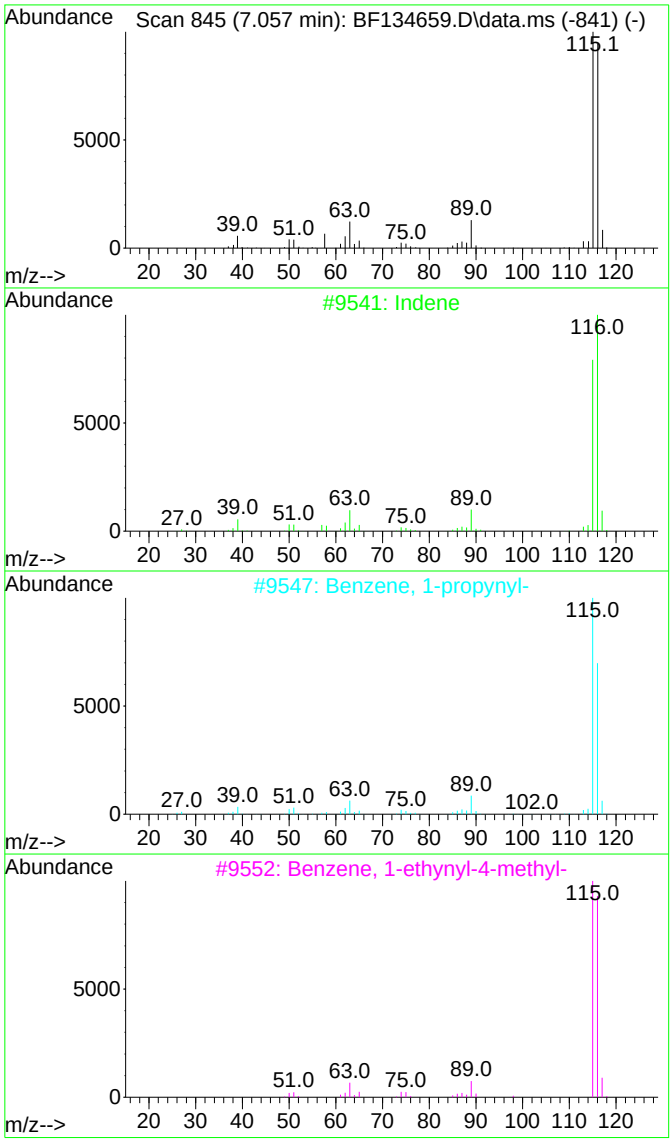
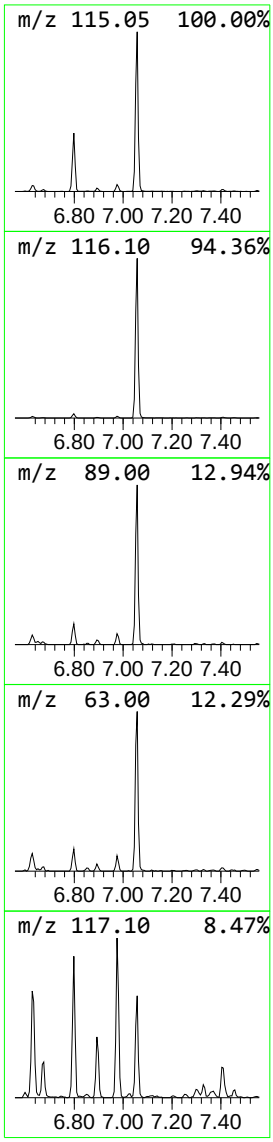
Peak Number 1 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.057	17.30 ng	931944	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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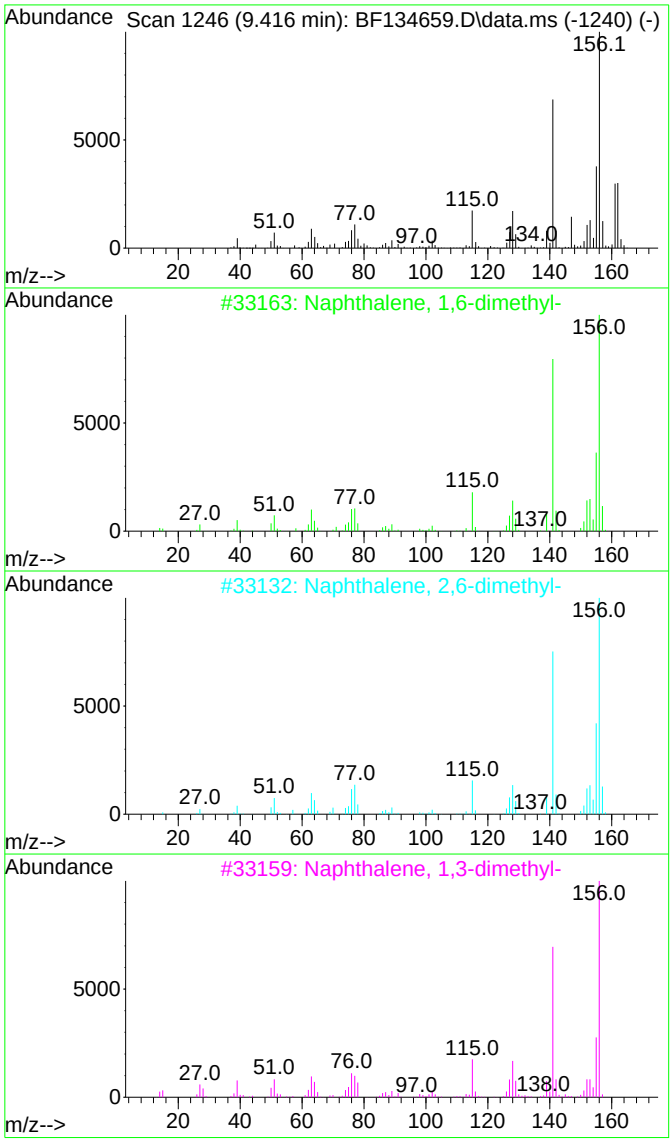
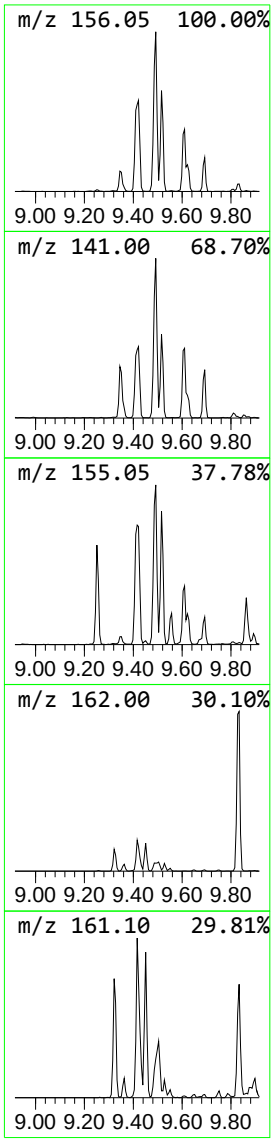
Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.416	26.00 ng	1531720	Acenaphthene-d10	9.833

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, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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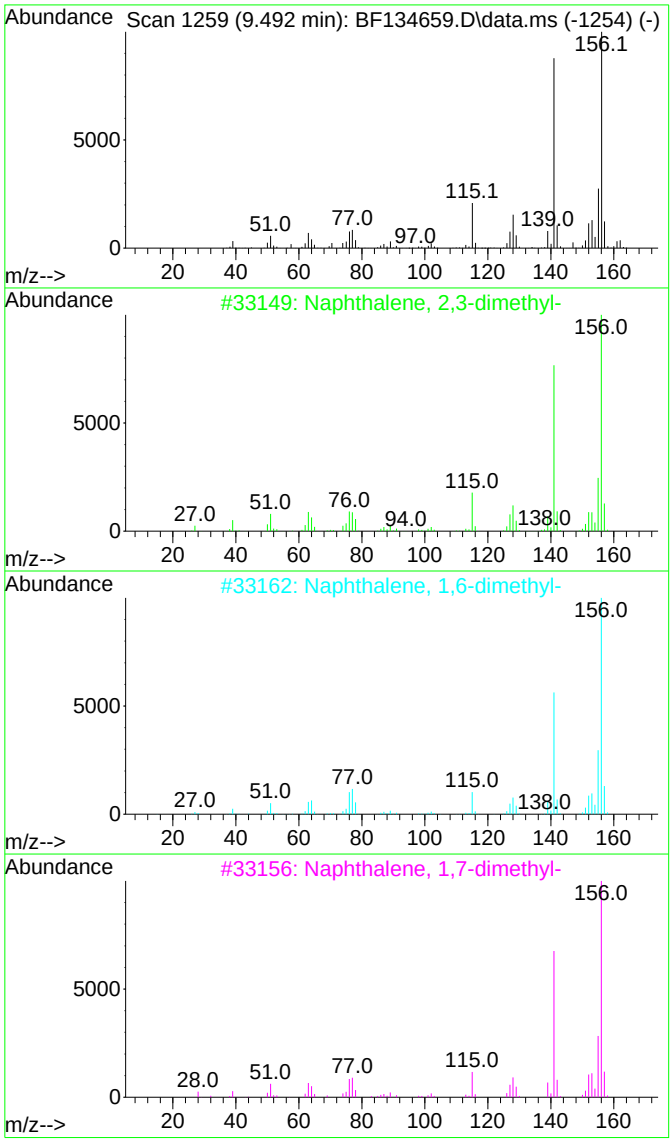
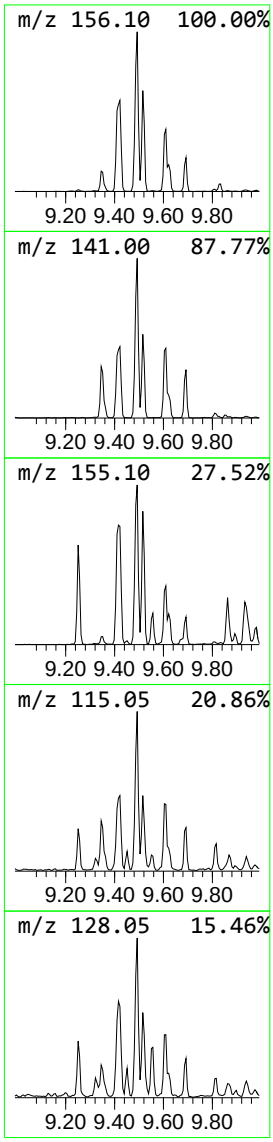
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.492	29.16 ng	1717580	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	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	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Data File : BF134659.D
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Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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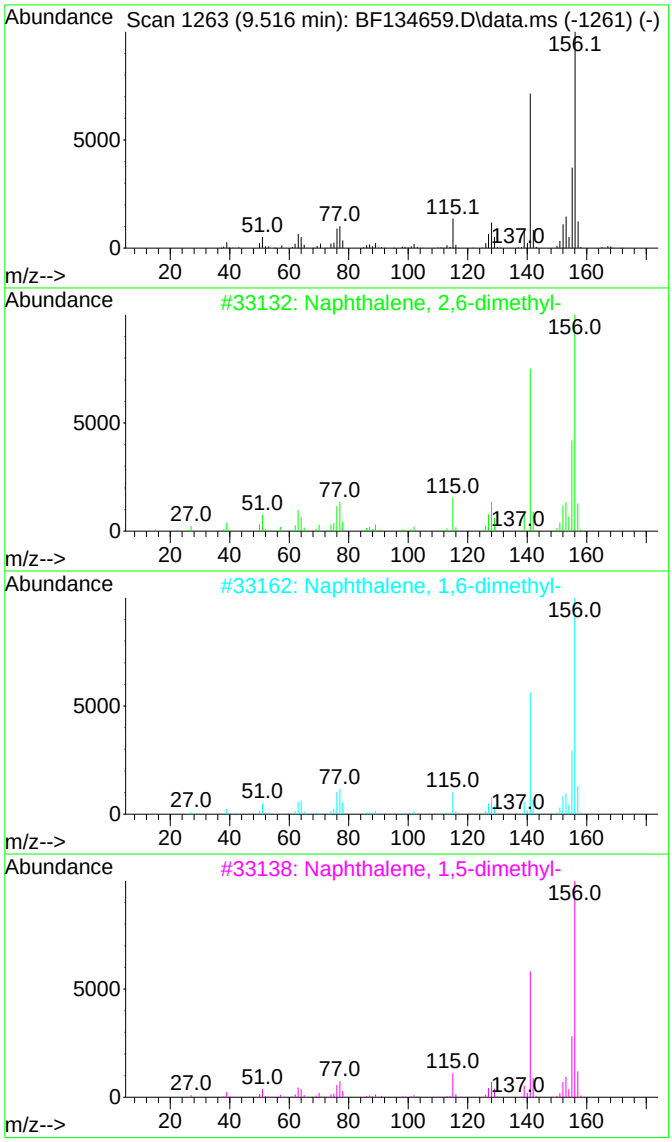
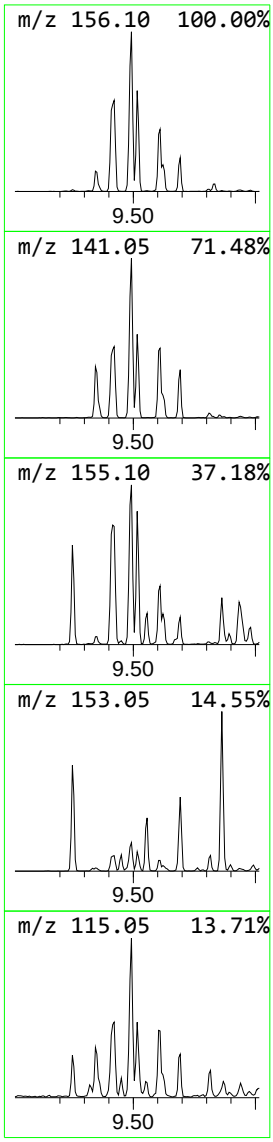
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	15.02 ng	884638	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
Data File : BF134659.D
Acq On : 07 Aug 2023 17:54
Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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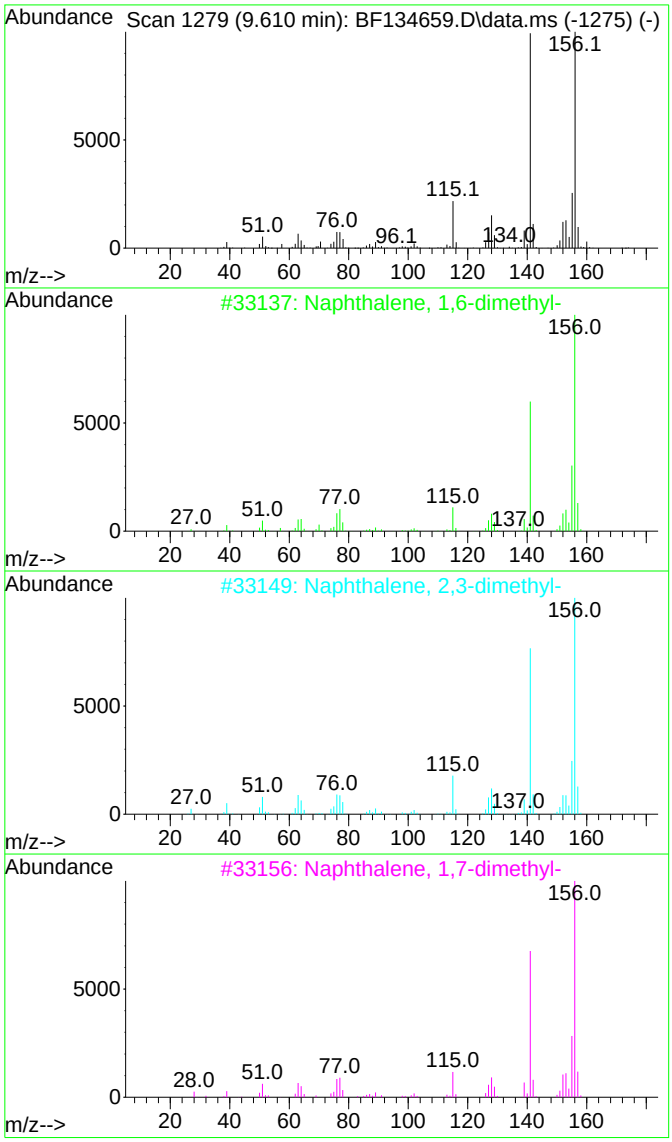
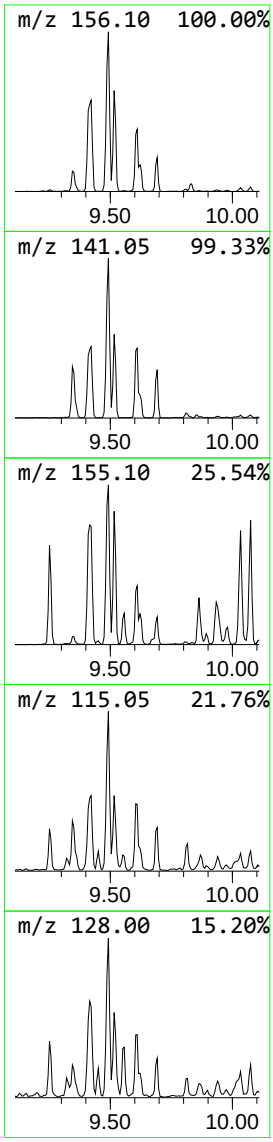
Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	10.73 ng	631814	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





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Acq On : 07 Aug 2023 17:54
Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

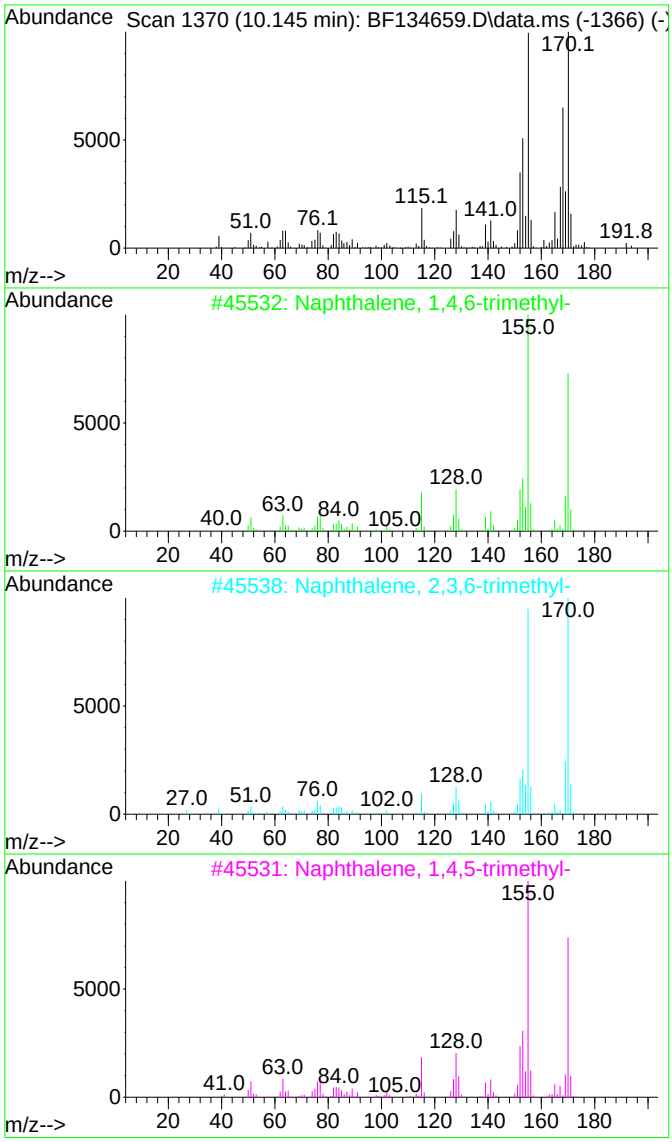
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

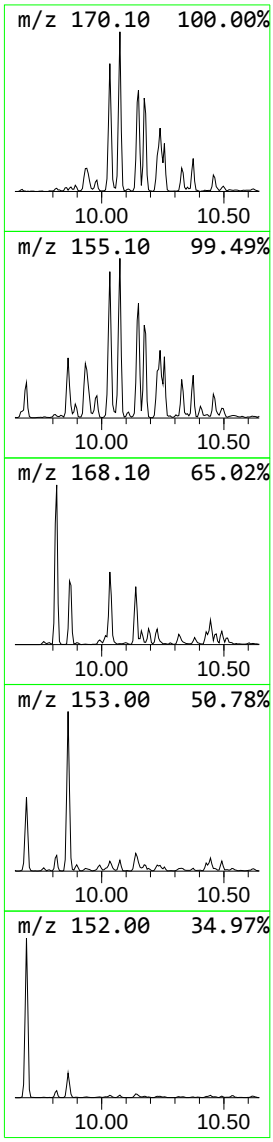
****

Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.145	8.87 ng	522377	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	64





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

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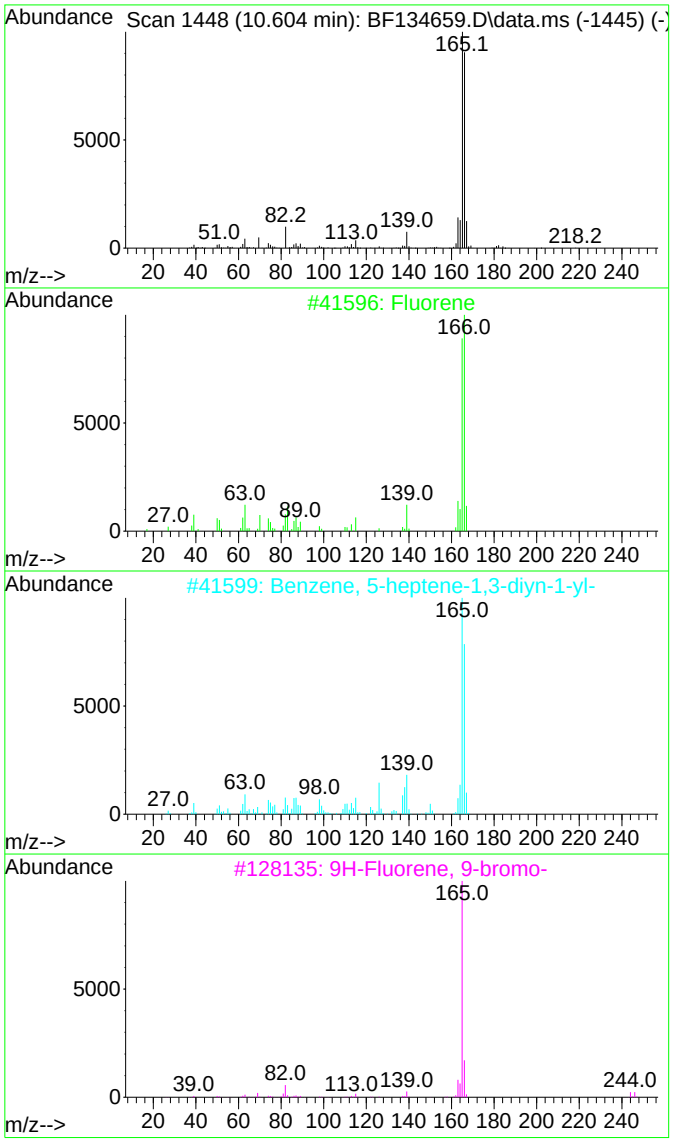
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

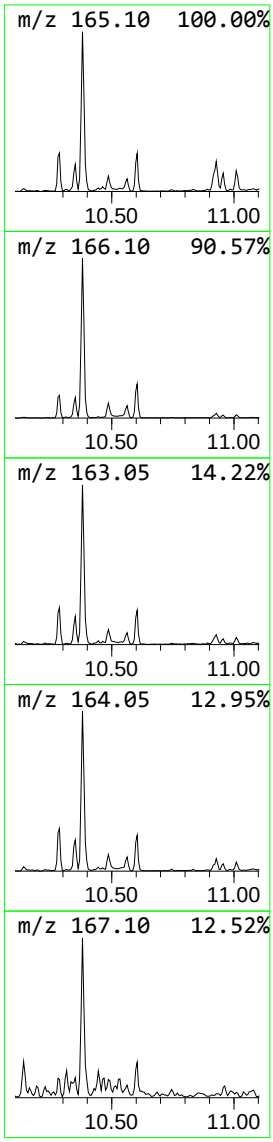
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 5-heptene-1,3-diyn... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.604	10.97 ng	690802	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	90
2	Benzene, 5-heptene-1,3-diyn-1-yl-	166	C13H10	013678-98-3	86
3	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	43
4	Spiro[4.5]decane-6,10-dione	166	C10H14O2	006684-66-8	25
5	1H-Phenalene	166	C13H10	000203-80-5	22





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

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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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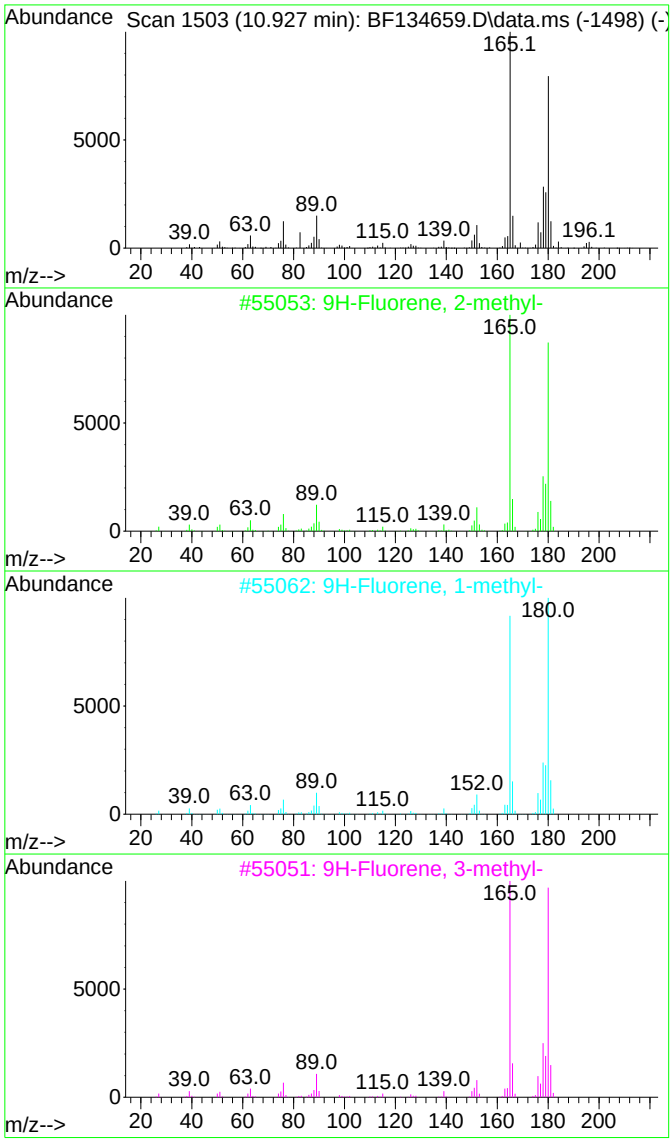
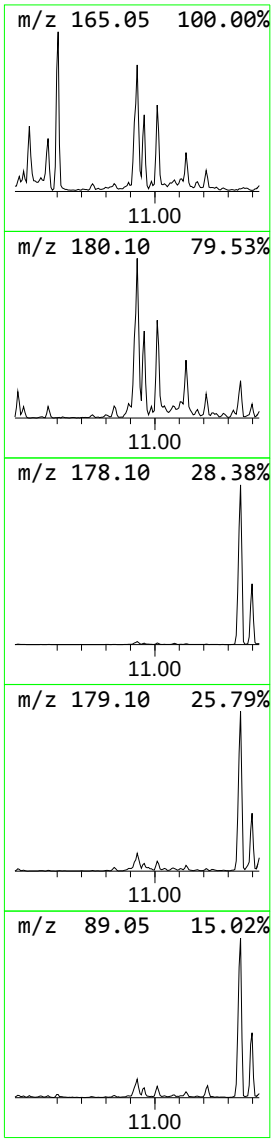
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.927	11.63 ng	732591	Phenanthrene-d10	11.321

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	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Operator : CG\JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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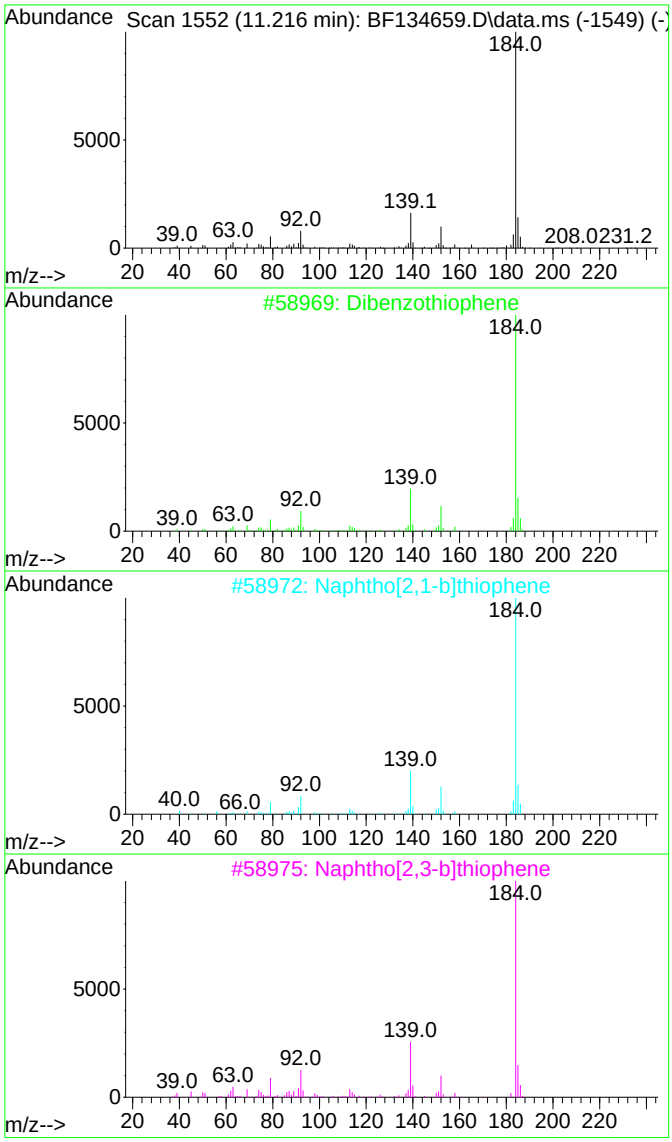
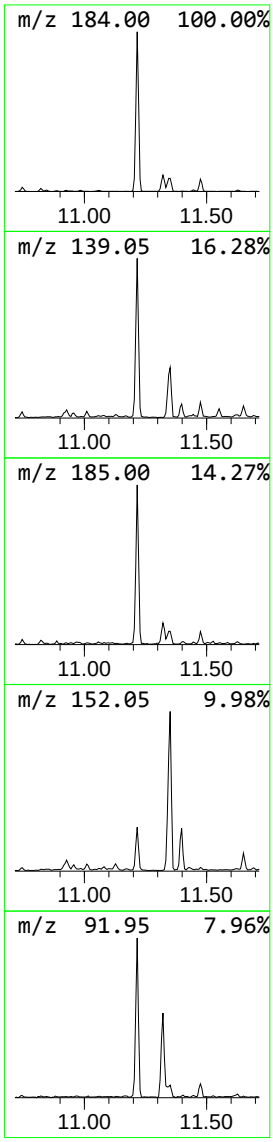
Peak Number 9 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	23.67 ng	1490540	Phenanthrene-d10	11.321

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	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

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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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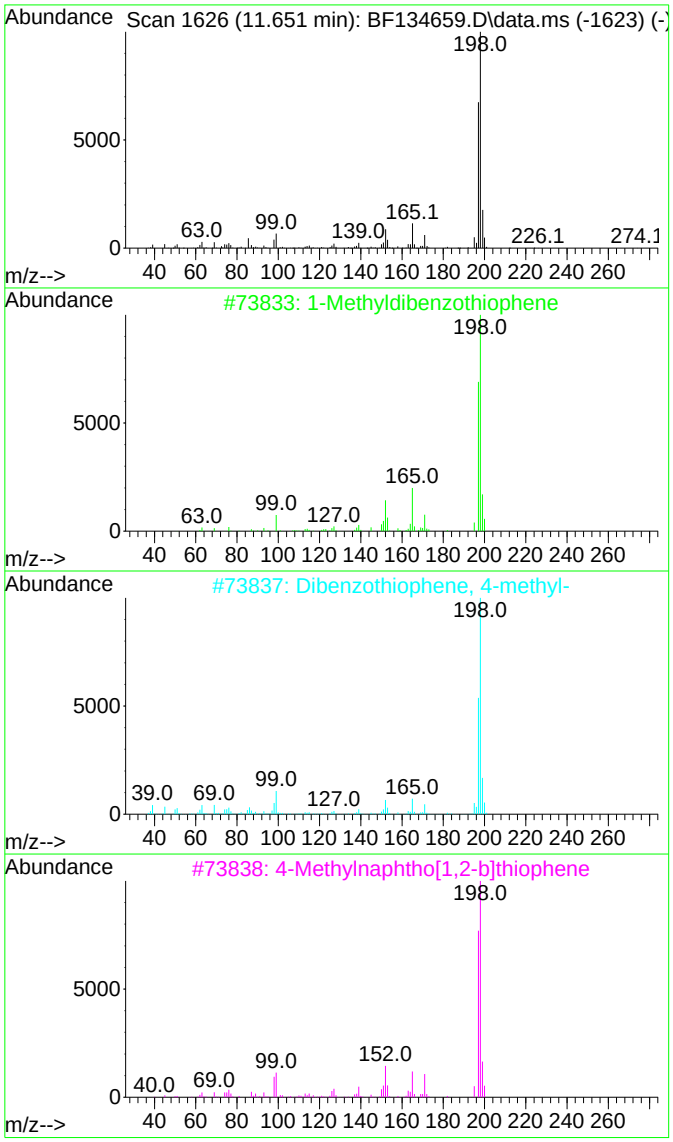
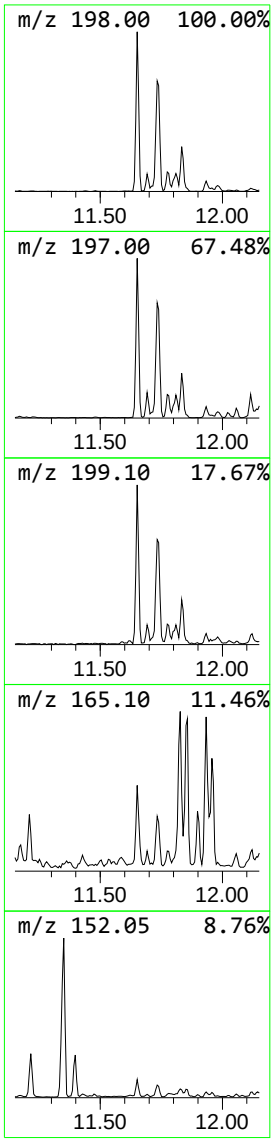
Peak Number 10 1-Methyldibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.651	11.92 ng	750553	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94





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Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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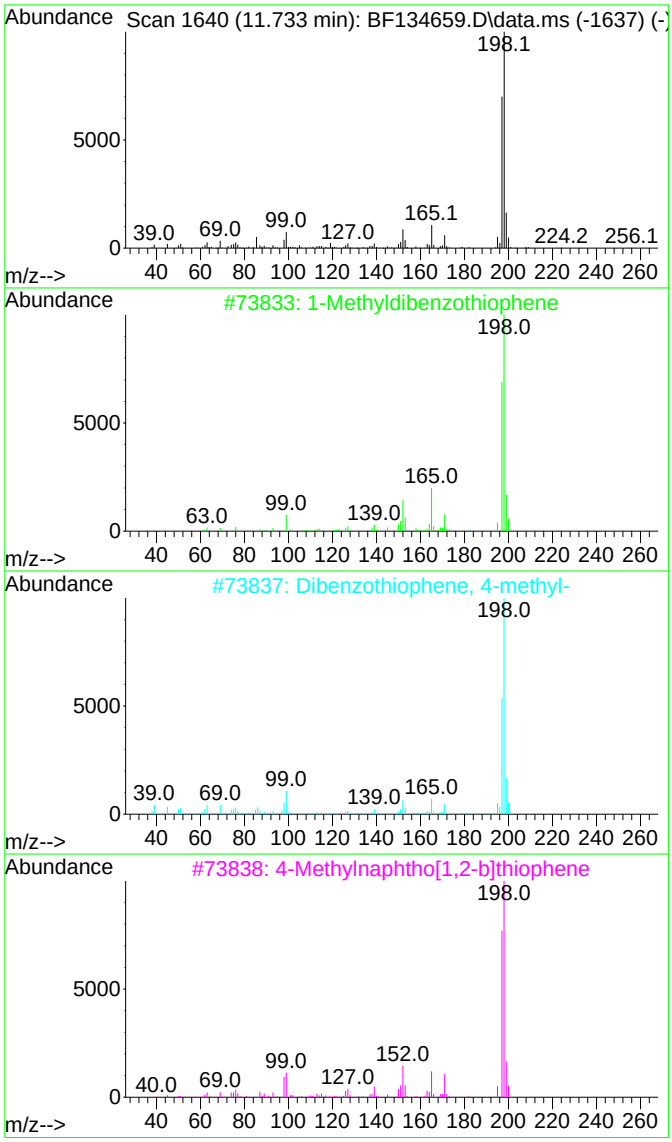
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

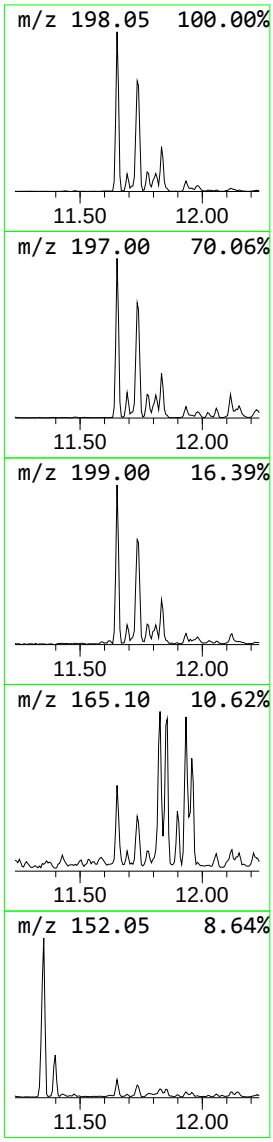
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.733	11.22 ng	706316	Phenanthrene-d10	11.321

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





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Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

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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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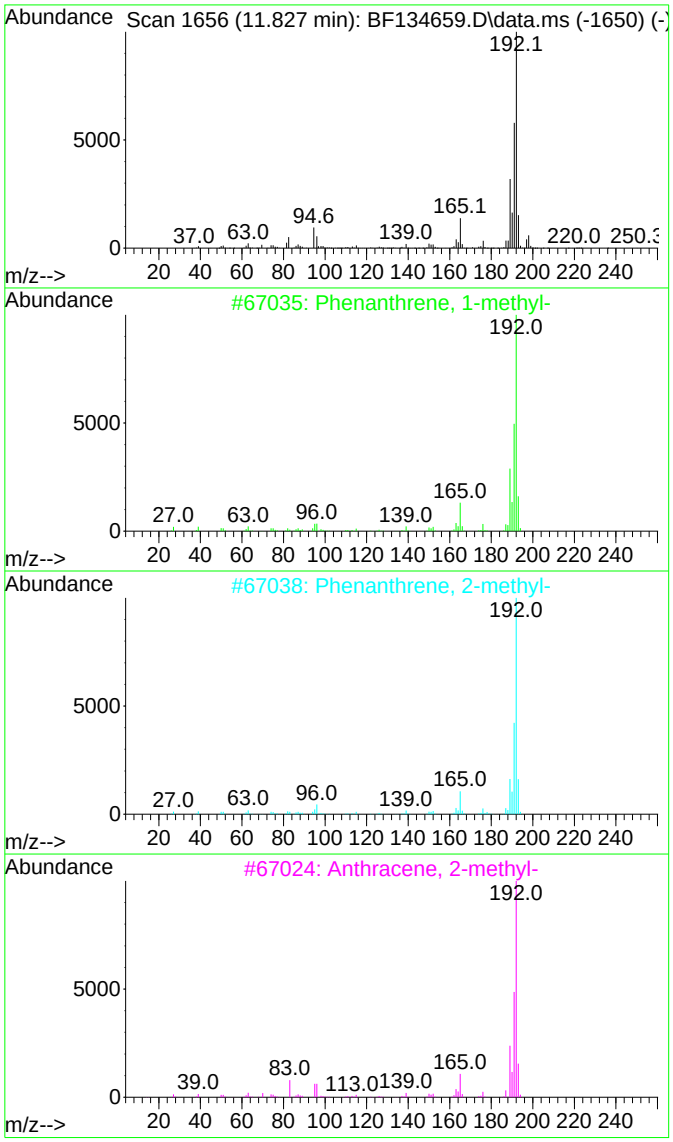
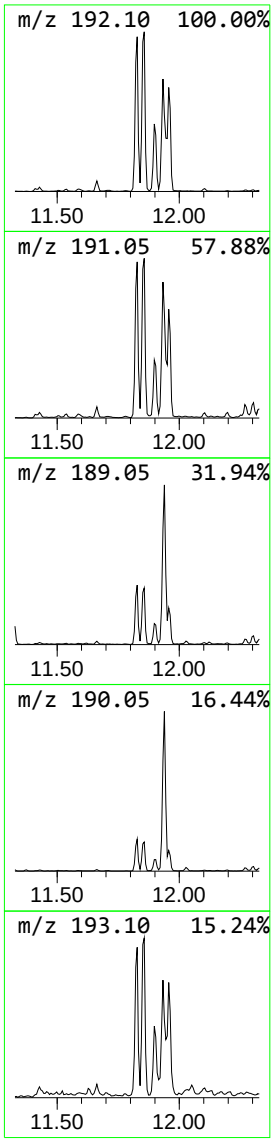
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.827	24.61 ng	1549810	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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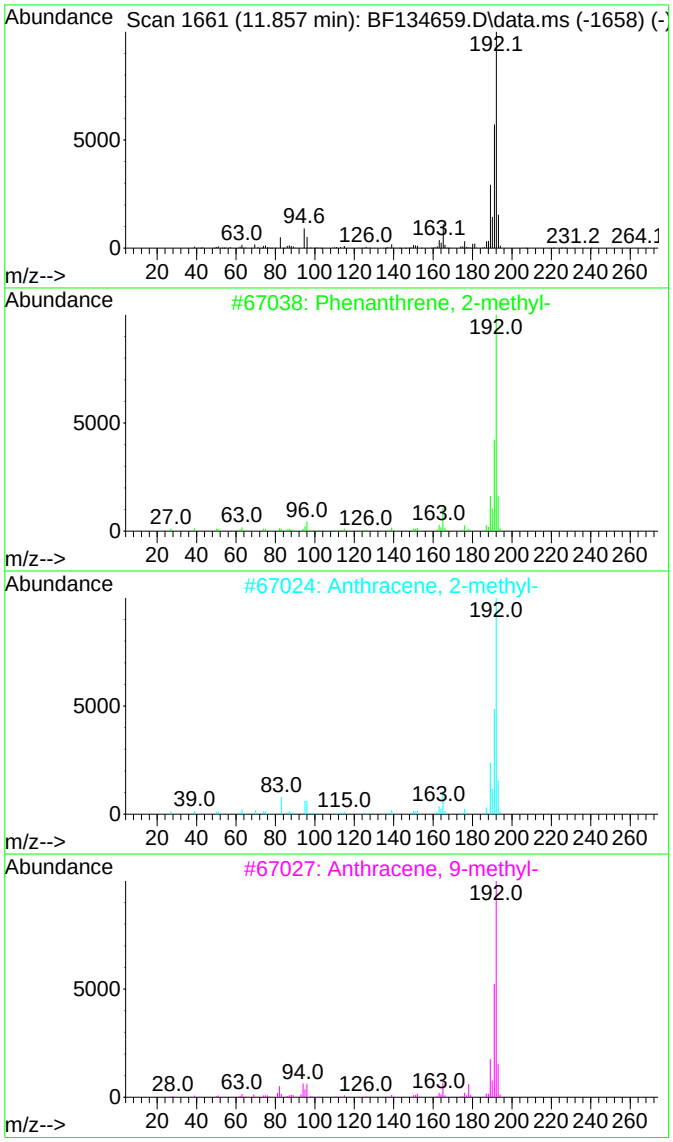
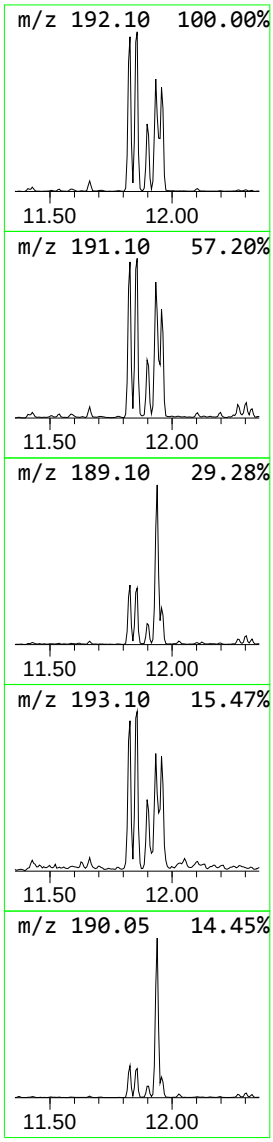
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	22.32 ng	1405130	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





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Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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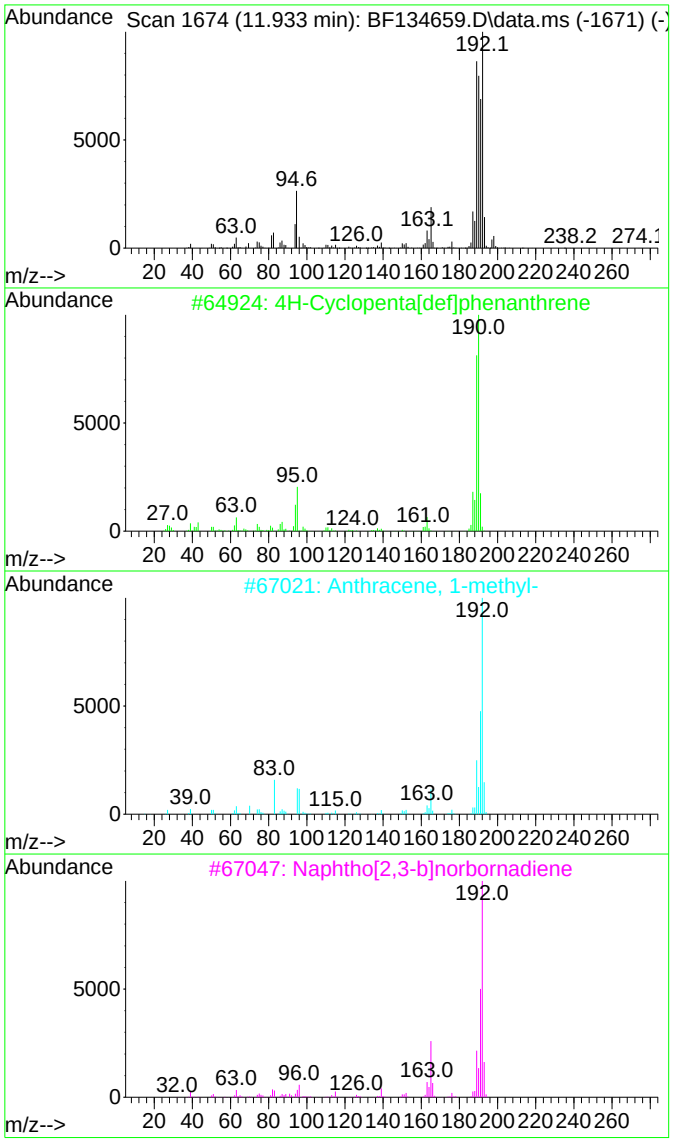
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

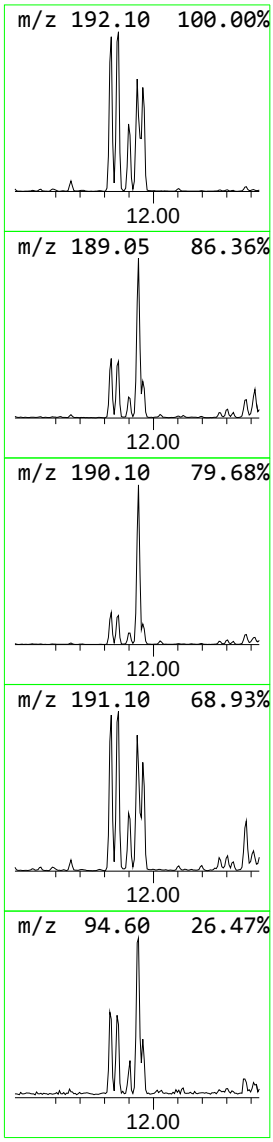
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	34.01 ng	2141730	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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ALS Vial : 19 Sample Multiplier: 1

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

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

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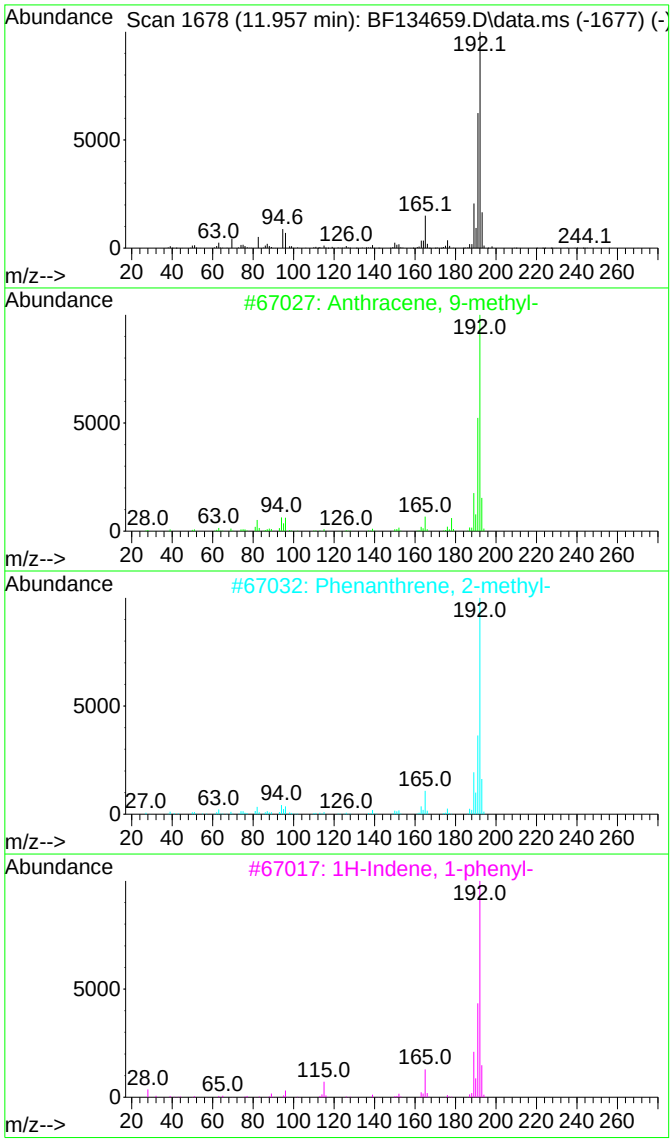
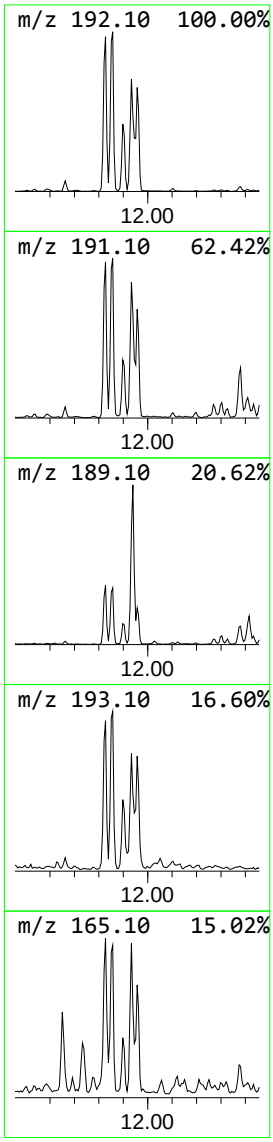
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	11.30 ng	711677	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91





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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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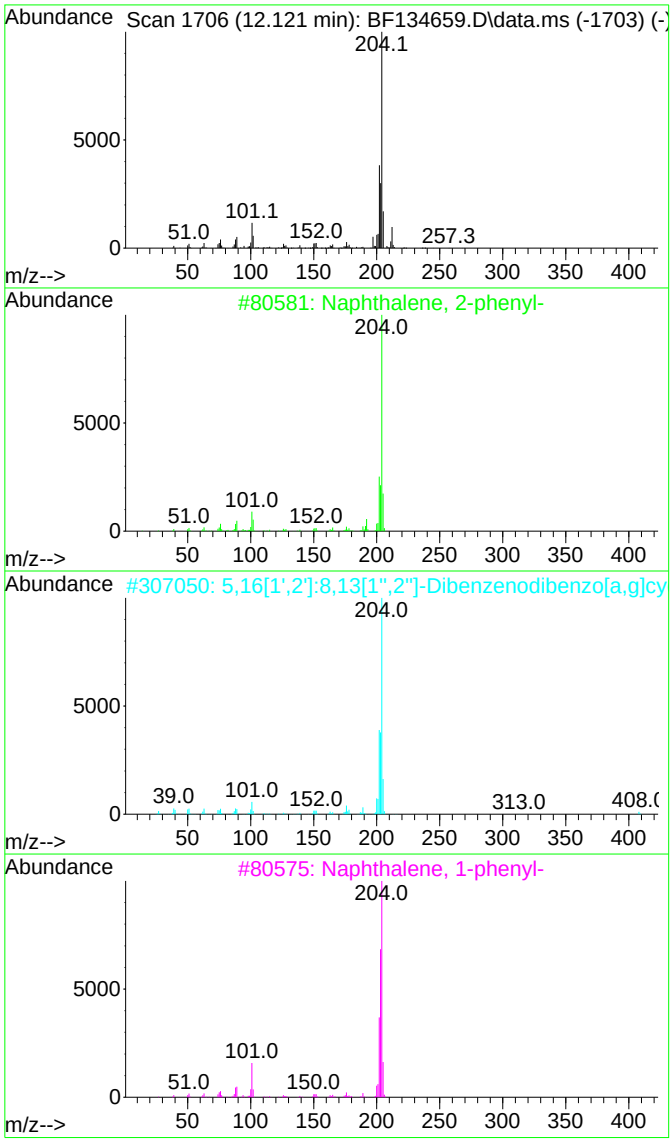
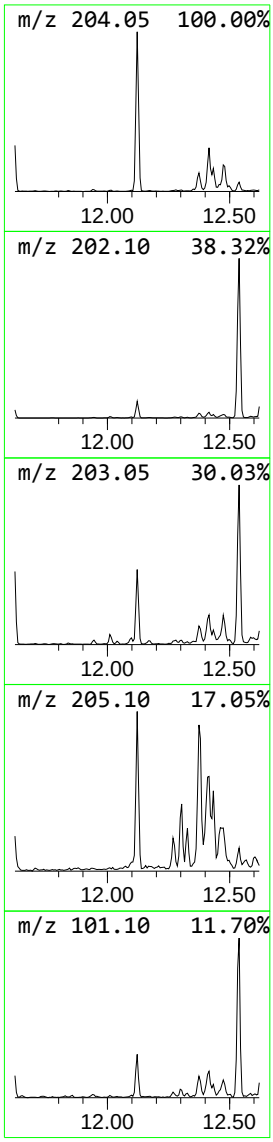
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	12.60 ng	793147	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	43





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Data File : BF134659.D
Acq On : 07 Aug 2023 17:54
Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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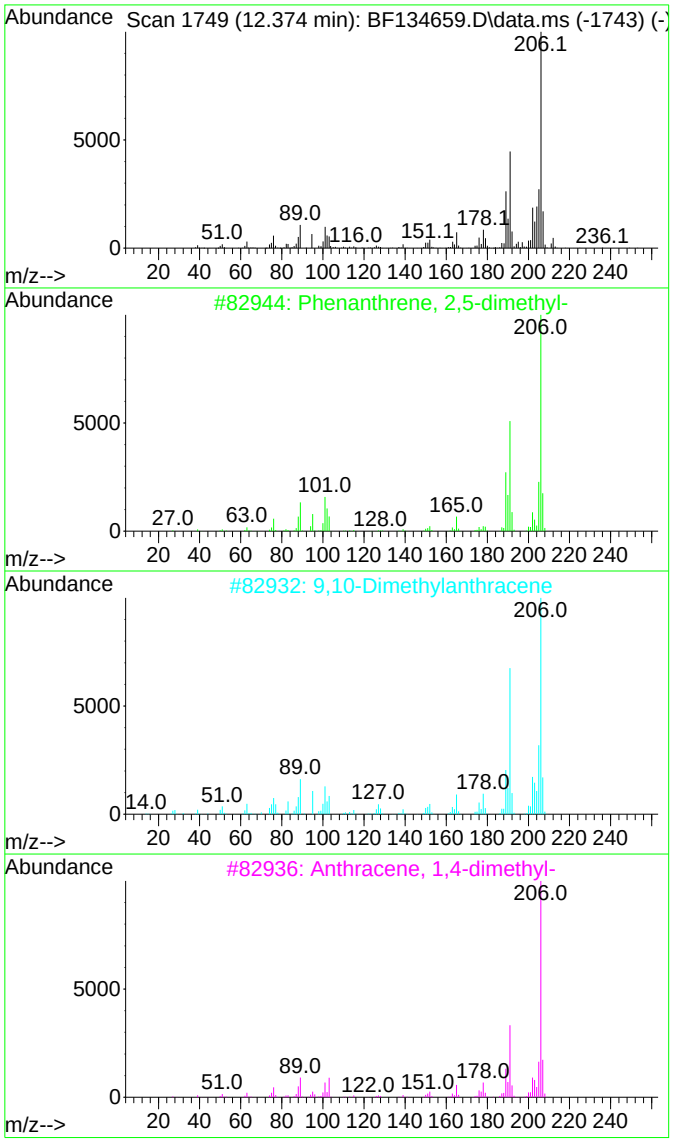
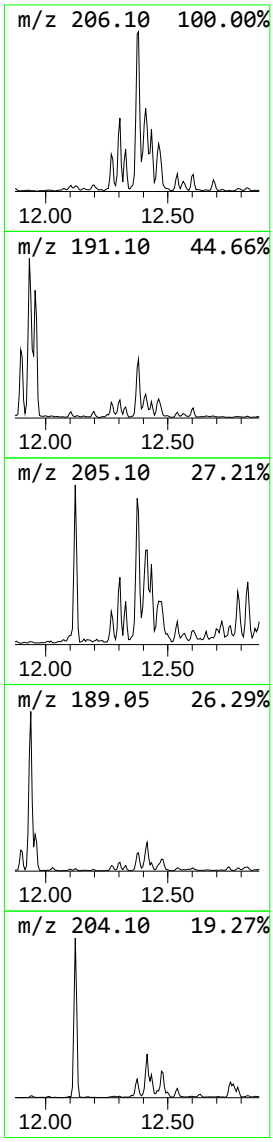
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.374	13.97 ng	879525	Phenanthrene-d10	11.321

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	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Data File : BF134659.D
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Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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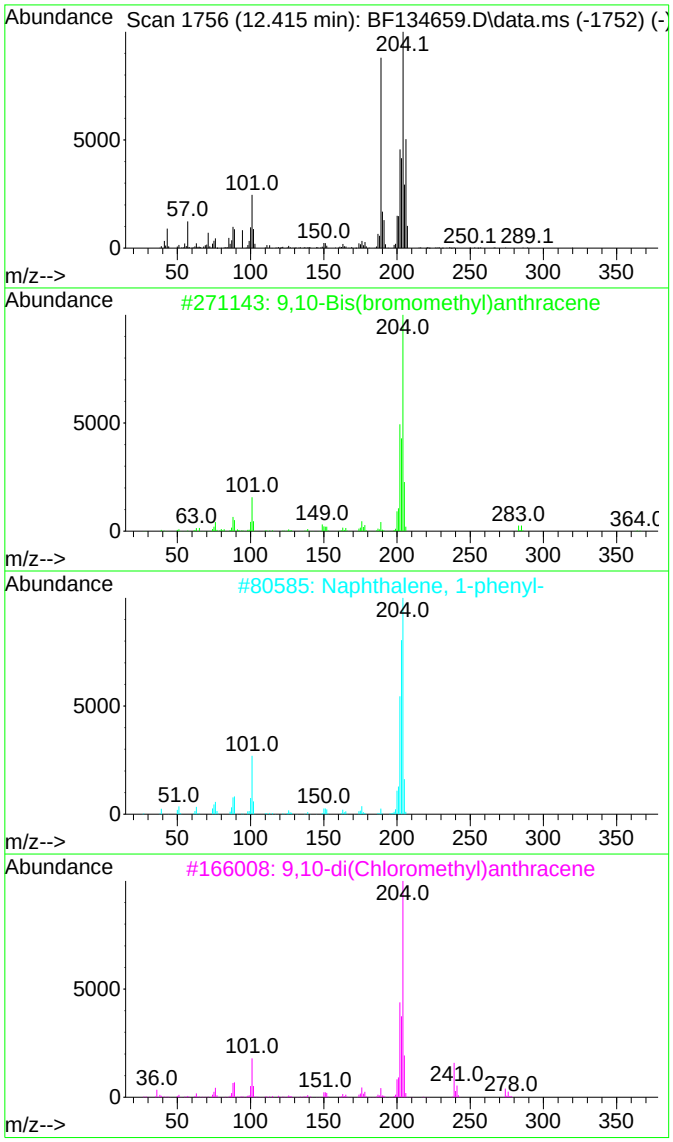
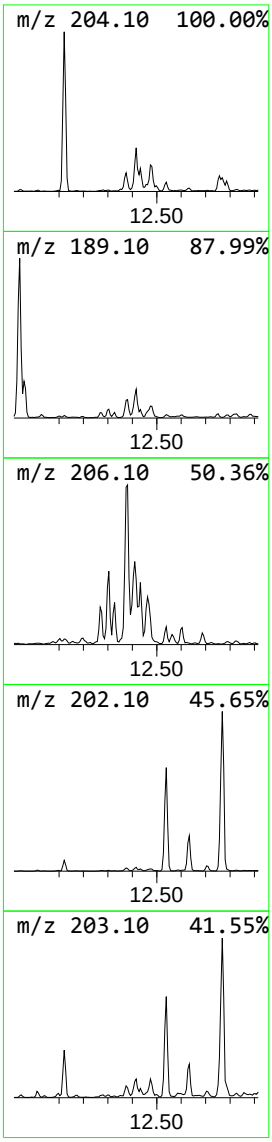
Peak Number 18 unknown12.416 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	14.66 ng	923150	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
5	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	38





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Data File : BF134659.D
Acq On : 07 Aug 2023 17:54
Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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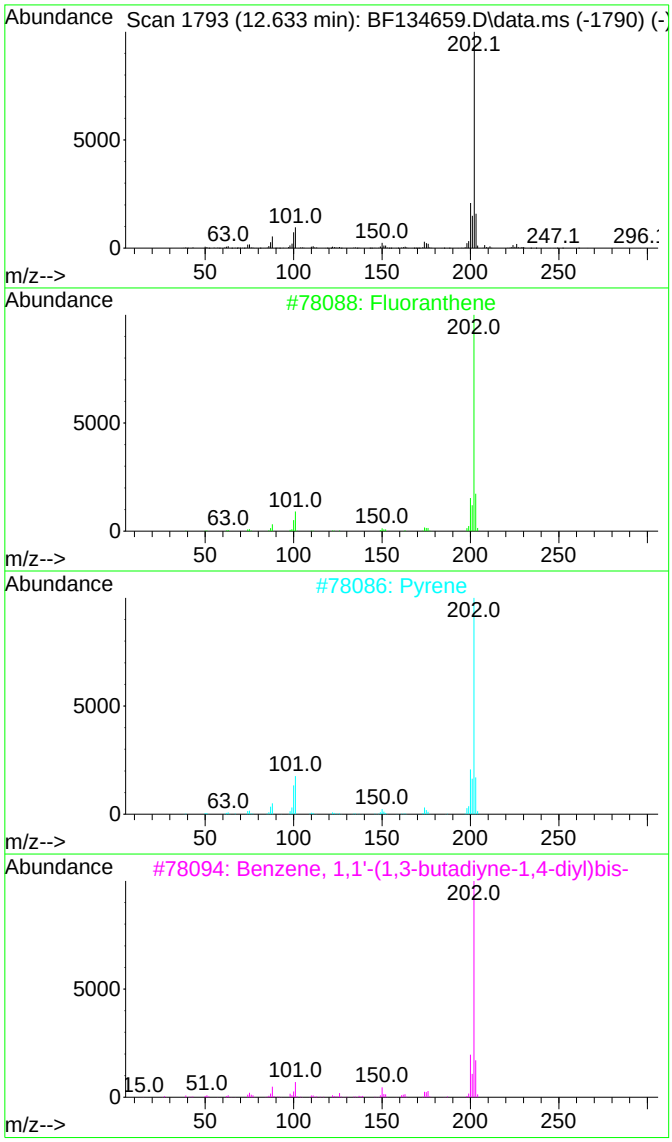
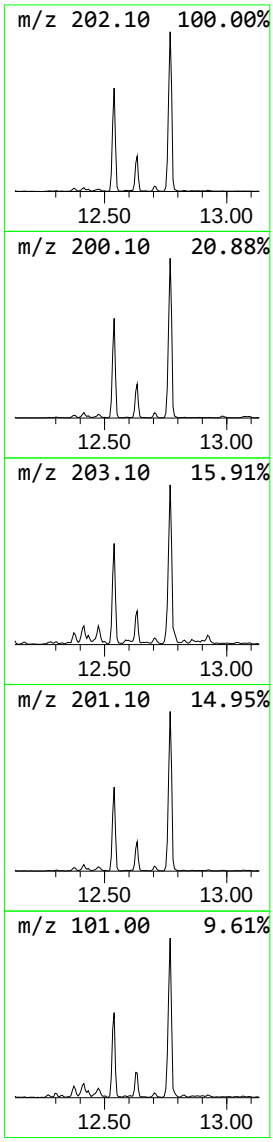
Peak Number 19 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	11.88 ng	748253	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	93
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





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Data File : BF134659.D
Acq On : 07 Aug 2023 17:54
Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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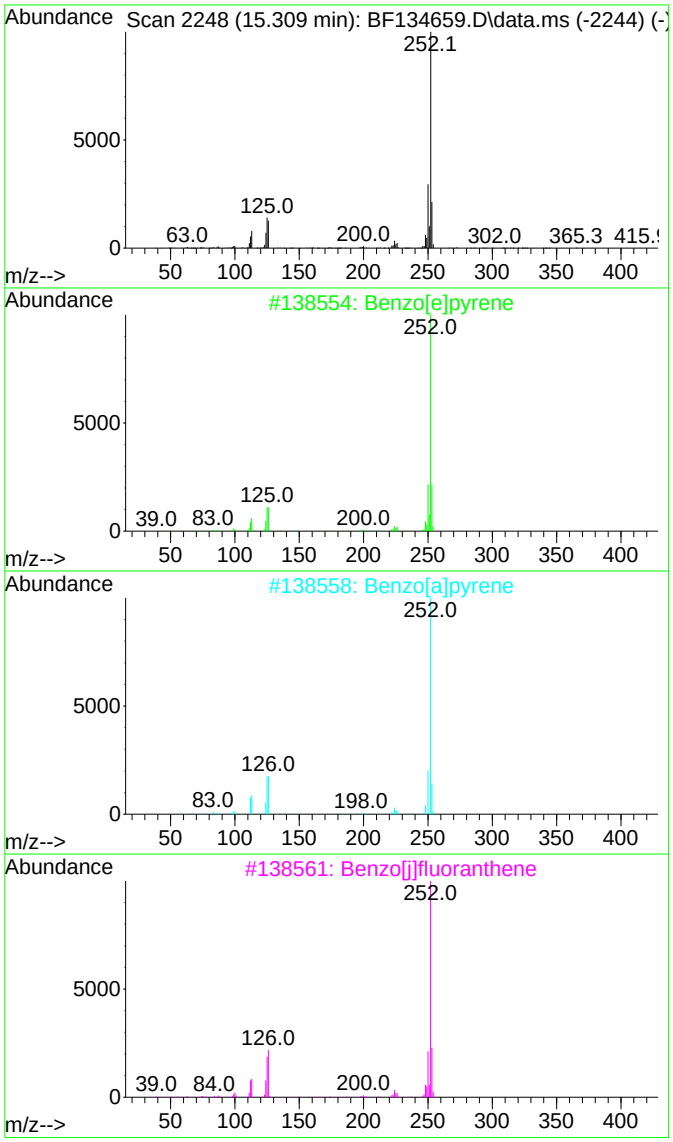
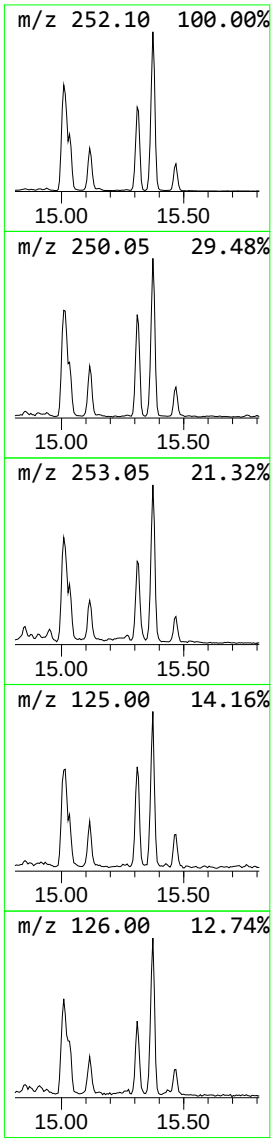
Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.309	12.92 ng	623358	Perylene-d12	15.439

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	93
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
Data File : BF134659.D
Acq On : 07 Aug 2023 17:54
Operator : CG\JU
Sample : 03815-03 50X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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
Indene	7.057	17.3	ng	931944	1	6.798	1077160	20.0
Naphthalene, 1,...	9.416	26.0	ng	1531720	3	9.833	1178040	20.0
Naphthalene, 2,...	9.492	29.2	ng	1717580	3	9.833	1178040	20.0
Naphthalene, 2,...	9.516	15.0	ng	884638	3	9.833	1178040	20.0
Naphthalene, 1,...	9.610	10.7	ng	631814	3	9.833	1178040	20.0
Naphthalene, 1,...	10.145	8.9	ng	522377	3	9.833	1178040	20.0
Benzene, 5-hept...	10.604	11.0	ng	690802	4	11.321	1259360	20.0
9H-Fluorene, 2-...	10.927	11.6	ng	732591	4	11.321	1259360	20.0
Dibenzothiophene	11.216	23.7	ng	1490540	4	11.321	1259360	20.0
1-Methyldibenzo...	11.651	11.9	ng	750553	4	11.321	1259360	20.0
Dibenzothiophen...	11.733	11.2	ng	706316	4	11.321	1259360	20.0
Phenanthrene, 1...	11.827	24.6	ng	1549810	4	11.321	1259360	20.0
Phenanthrene, 2...	11.857	22.3	ng	1405130	4	11.321	1259360	20.0
4H-Cyclopenta[d...	11.933	34.0	ng	2141730	4	11.321	1259360	20.0
Anthracene, 9-m...	11.957	11.3	ng	711677	4	11.321	1259360	20.0
Naphthalene, 2-...	12.121	12.6	ng	793147	4	11.321	1259360	20.0
Phenanthrene, 2...	12.374	14.0	ng	879525	4	11.321	1259360	20.0
unknown12.416	12.416	14.7	ng	923150	4	11.321	1259360	20.0
Benzene, 1,1'-(...	12.633	11.9	ng	748253	4	11.321	1259360	20.0
Benzo[e]pyrene	15.309	12.9	ng	623358	6	15.439	964615	20.0