LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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: BF135795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.375	556	559	586	rVB	2202868	2521904	49.96%	3.902%
2	6.392	728	732	758	rBV	2296655	2585955	51.23%	4.001%
3	6.734	787	790	797	rBV	692811	647906	12.83%	1.003%
4	7.304	884	887	900	rBV	1803977	1662837	32.94%	2.573%
5	7.757	959	964	969	rBV4	71929	122815	2.43%	0.190%
6	8.016	1005	1008	1010	rBV	1085872	975476	19.32%	1.509%
7	8.039	1010	1012	1019	rVV	1654918	1364272	27.03%	2.111%
8	8.728	1126	1129	1136	rBV	1045290	891594	17.66%	1.380%
9	8.828	1141	1146	1154	rVB	1364945	1163675	23.05%	1.801%
10	9.092	1188	1191	1195	rVB	3162432	2654059	52.57%	4.107%
11	9.198	1206	1209	1214	rVB	259193	256661	5.08%	0.397%
12	9.292	1223	1225	1230	rVB2	172492	207928	4.12%	0.322%
13	9.363	1232	1237	1240	rBV	507456	653390	12.94%	1.011%
14	9.433	1245	1249	1251	rVV	807590	793211	15.71%	1.227%
15	9.457	1251	1253	1257	rVV	486169	464807	9.21%	0.719%
16	9.551	1266	1269	1278	rVB	397429	452386	8.96%	0.700%
17	9.633	1280	1283	1287	rVB	637111	533121	10.56%	0.825%
18	9.775	1301	1307	1310	rBV2	1120873	1118344	22.15%	1.730%
19	9.804	1310	1312	1316	rVB	922039	774063	15.33%	1.198%
20	9.880	1321	1325	1329	rBV3	166350	203795	4.04%	0.315%
21	9.980	1335	1342	1346	rVV2	762911	783173	15.51%	1.212%
22	10.016	1346	1348	1351	rVV	256828	205214	4.07%	0.318%
23	10.092	1357	1361	1364	rBV	267606	267378	5.30%	0.414%
24	10.122	1364	1366	1372	rVB	176950	145713	2.89%	0.225%
25	10.180	1372	1376	1378	rBV2	132600	182878	3.62%	0.283%
26	10.204	1378	1380	1382	rVB	173517	128890	2.55%	0.199%
27	10.275	1387	1392	1394	rBV4	102802	125925	2.49%	0.195%
28	10.327	1397	1401	1407	rVB	2077294	1799491	35.65%	2.784%
29	10.392	1407	1412	1413	rBV	187241	239585	4.75%	0.371%
30	10.410	1413	1415	1417	rVV2	180239	157734	3.12%	0.244%
31	10.480	1425	1427	1431	rVB	267859	240862	4.77%	0.373%
32	10.569	1439	1442	1448	rVB	1703728	1685547	33.39%	2.608%
33	10.692	1457	1463	1465	rBV3	156092	214099	4.24%	0.331%
34	10.874	1487	1494	1497	rBV2	396263	536194	10.62%	0.830%
35	10.904	1497	1499	1502	rVV	292393	255240	5.06%	0.395%
36	10.957	1506	1508	1511	rVV	246794	216049	4.28%	0.334%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135795.D
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Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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	1514	1516	1518	rVV	115276	124815	2.47%	0.193%
38	11.027	1518	1520	1522	rVV2	132619	124645	2.47%	0.193%
39	11.080	1526	1529	1532	rVV4	96063	119702	2.37%	0.185%
40	11.127	1533	1537	1540	rVV3	194306	248459	4.92%	0.384%
41	11.163	1540	1543	1549	rVB	763699	768678	15.23%	1.189%
42	11.274	1558	1562	1563	rBV	826944	852570	16.89%	1.319%
43	11.304	1563	1567	1570	rVV	4741683	5048170	100.00%	7.811%
44	11.351	1571	1575	1578	rVV	1345271	1138977	22.56%	1.762%
45	11.386	1578	1581	1583	rVV3	133601	195242	3.87%	0.302%
46	11.433	1586	1589	1594	rVV2	102285	145726	2.89%	0.225%
47	11.510	1598	1602	1608	rBV2	363496	466167	9.23%	0.721%
48	11.563	1608	1611	1614	rVV2	282556	237575	4.71%	0.368%
49	11.604	1614	1618	1623	rVV	371145	357198	7.08%	0.553%
50	11.686	1629	1632	1636	rVB	220565	267246	5.29%	0.414%
51	11.774	1644	1647	1650	rVV	858185	812796	16.10%	1.258%
52	11.804	1650	1652	1657	rVV	1058321	956261	18.94%	1.480%
53	11.857	1658	1661	1663	rVV	297620	270935	5.37%	0.419%
54	11.886	1663	1666	1669	rVV	1438093	1585579	31.41%	2.453%
55	11.910	1669	1670	1674	rVV	571779	397561	7.88%	0.615%
56	11.969	1677	1680	1683	rVV3	127106	123680	2.45%	0.191%
57	12.074	1695	1698	1700	rBV2	363977	344398	6.82%	0.533%
58	12.257	1726	1729	1731	rVV2	196094	189304	3.75%	0.293%
59	12.280	1731	1733	1736	rVB2	141110	123088	2.44%	0.190%
60	12.327	1738	1741	1744	rBV	466725	494197	9.79%	0.765%
61	12.369	1744	1748	1750	rVV2	315687	365011	7.23%	0.565%
62	12.427	1754	1758	1761	rBV2	162650	250667	4.97%	0.388%
63	12.498	1766	1770	1773	rBV	3036779	2719451	53.87%	4.208%
64	12.527	1773	1775	1779	rVV2	203815	276174	5.47%	0.427%
65	12.592	1784	1786	1790	rVV	341013	307764	6.10%	0.476%
66	12.645	1792	1795	1798	rVV2	306229	294024	5.82%	0.455%
67	12.727	1803	1809	1815	rBV	2771480	3089226	61.19%	4.780%
68	12.780	1815	1818	1821	rVB	181508	177641	3.52%	0.275%
69	12.868	1828	1833	1836	rBV	2074996	1895503	37.55%	2.933%
70	12.951	1842	1847	1851	rBV3	242781	414764	8.22%	0.642%
71	12.998	1851	1855	1858	rVB2	123769	131369	2.60%	0.203%
72	13.033	1858	1861	1863	rBV2	231929	301866	5.98%	0.467%
73	13.057	1863	1865	1869	rVB	599620	531676	10.53%	0.823%
74	13.121	1874	1876	1880	rVV	469072	422519	8.37%	0.654%
75	13.163	1880	1883	1887	rVV2	407200	376170	7.45%	0.582%
76	13.257	1896	1899	1901	rBV	282295	249901	4.95%	0.387%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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

77	13.286	1901	1904	1908	rVV	303485	271352	5.38%	0.420%
78	13.545	1945	1948	1951	rBV	103975	141485	2.80%	0.219%
79	13.686	1966	1972	1974	rBV	306437	398073	7.89%	0.616%
80	13.704	1974	1975	1978	rVV	240726	194408	3.85%	0.301%
81	13.739	1978	1981	1983	rVV	159128	167108	3.31%	0.259%
82	13.857	1999	2001	2007	rVB	134966	162300	3.22%	0.251%
83	13.927	2009	2013	2017	rVV2	1342951	2015597	39.93%	3.119%
84	13.963	2017	2019	2023	rVV	1134335	1004838	19.90%	1.555%
85	14.098	2039	2042	2046	rVB3	149983	181054	3.59%	0.280%
86	14.327	2076	2081	2085	rVV	363168	464578	9.20%	0.719%
87	14.362	2085	2087	2090	rVV	183141	149593	2.96%	0.231%
88	14.404	2090	2094	2096	rVV4	139822	197242	3.91%	0.305%
89	14.427	2096	2098	2100	rVV2	174370	154318	3.06%	0.239%
90	14.457	2100	2103	2104	rVV	204838	186603	3.70%	0.289%
91	14.474	2104	2106	2109	rVV	237147	220653	4.37%	0.341%
92	14.827	2163	2166	2170	rBV4	94965	131140	2.60%	0.203%
93	14.986	2189	2193	2196	rBV	707306	1012978	20.07%	1.567%
94	15.098	2208	2212	2217	rBV	183513	207096	4.10%	0.320%
95	15.286	2240	2244	2251	rBV	466283	537105	10.64%	0.831%
96	15.351	2251	2255	2262	rVV	727013	895699	17.74%	1.386%
97	15.409	2262	2265	2269	rVV	436565	533791	10.57%	0.826%
98	15.445	2269	2271	2278	rVB2	146459	235158	4.66%	0.364%
99	16.915	2516	2521	2531	rVB	204268	424474	8.41%	0.657%
100	17.374	2593	2599	2608	rVB	144139	310703	6.15%	0.481%

Sum of corrected areas: 64626212

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
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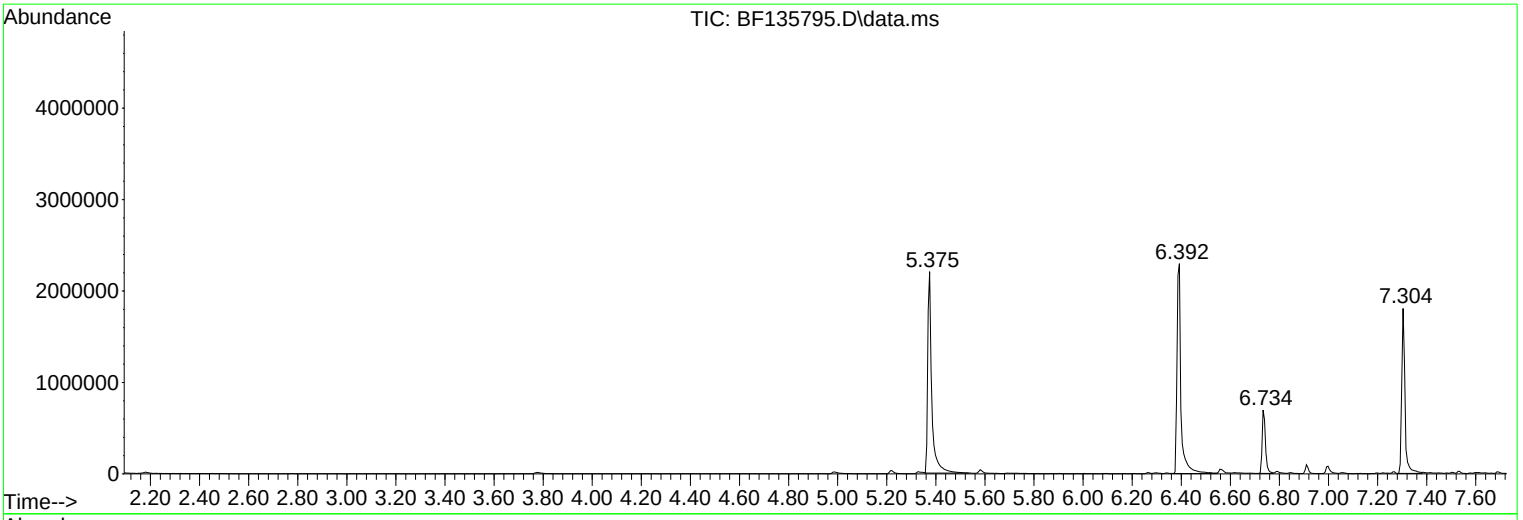
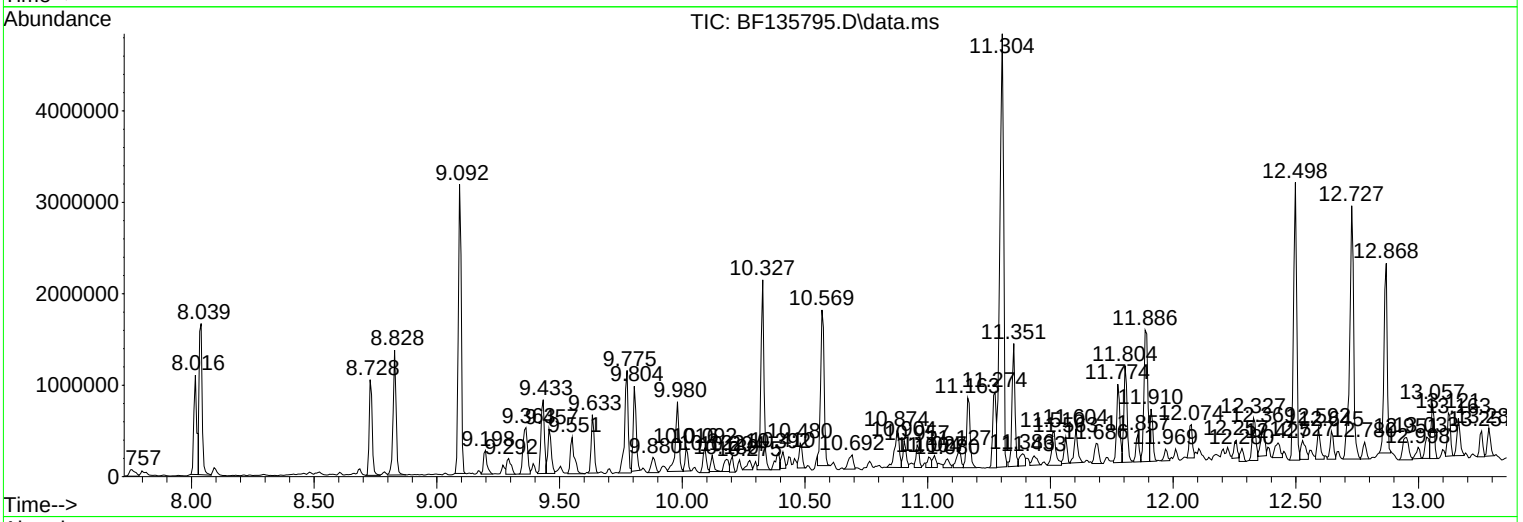
Misc :
ALS Vial : 17 Sample Multiplier: 1

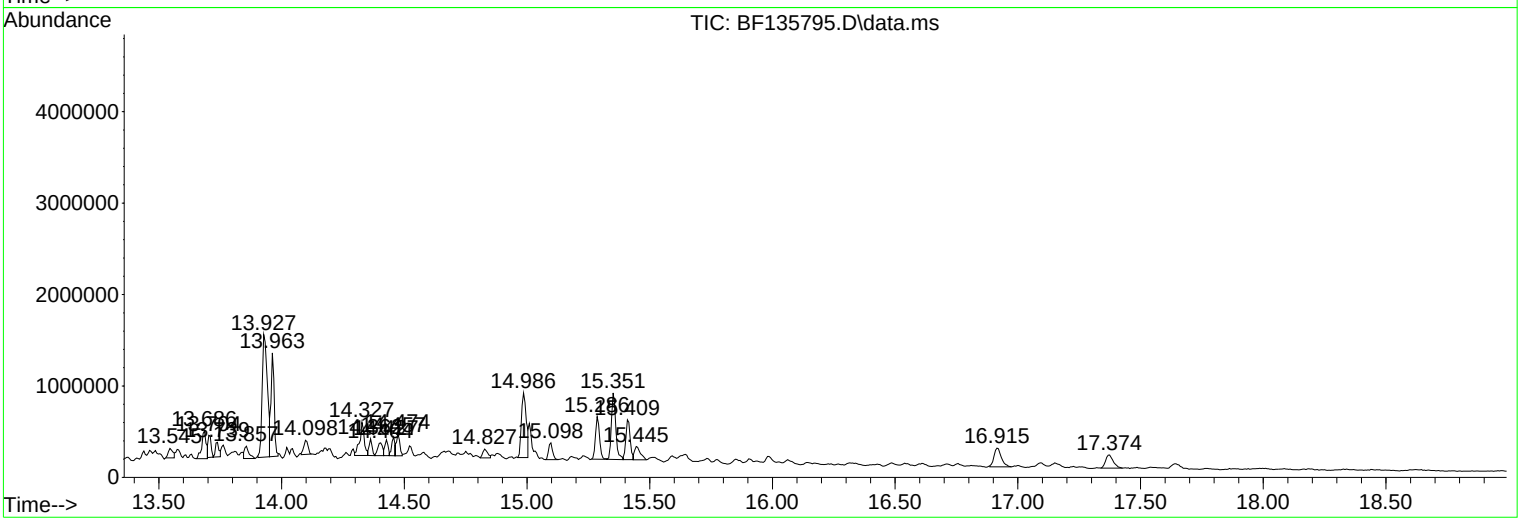
Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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\
Data File : BF135795.D
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Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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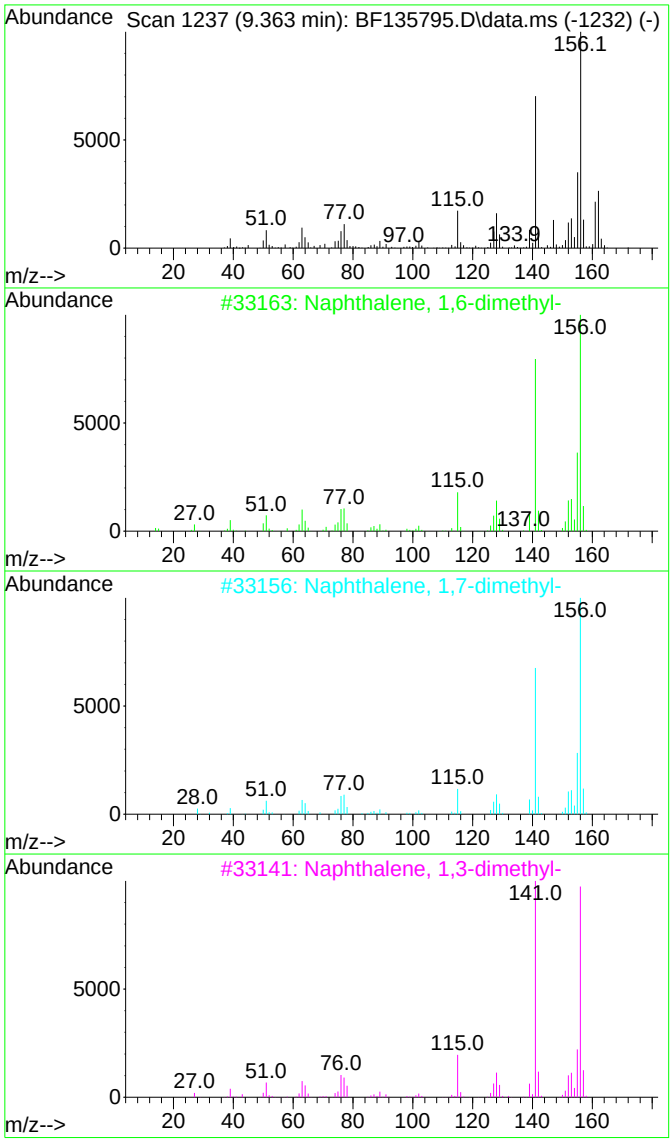
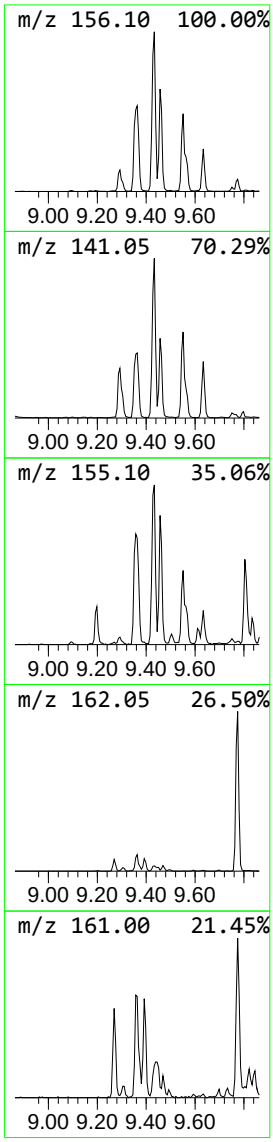
Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	11.69 ng	653390	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
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Sample : 04704-02
Misc :
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Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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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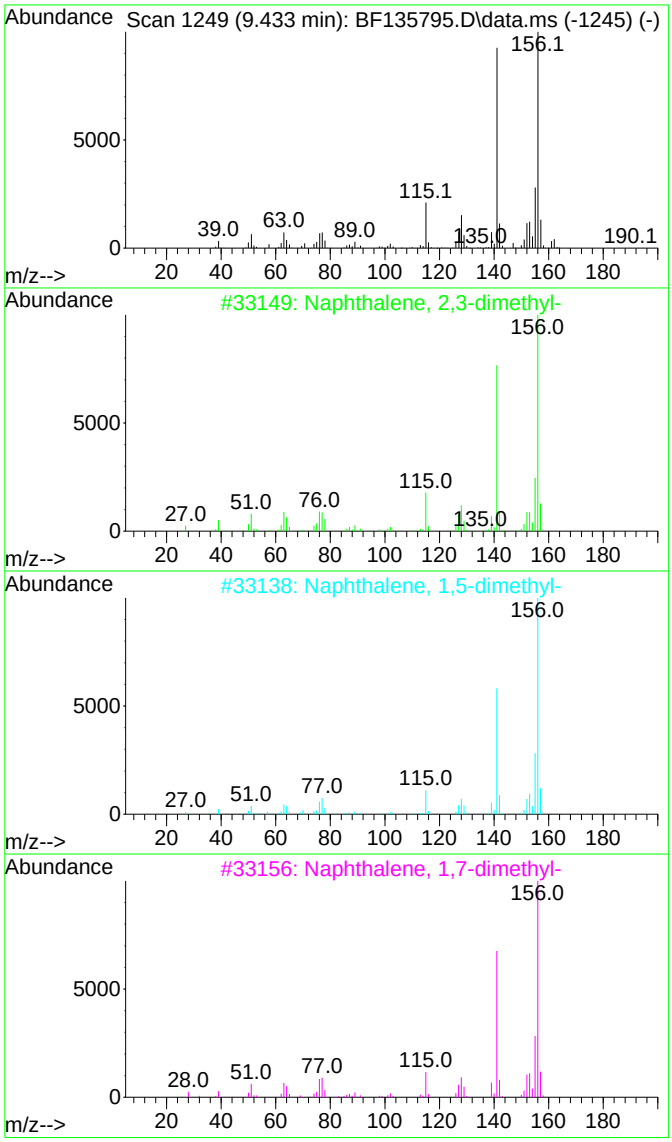
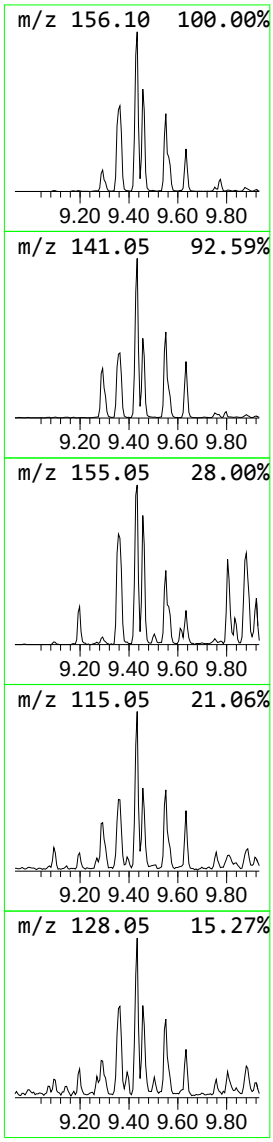
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.433	14.19 ng	793211	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, 1,5-dimethyl-	156	C12H12	000571-61-9	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, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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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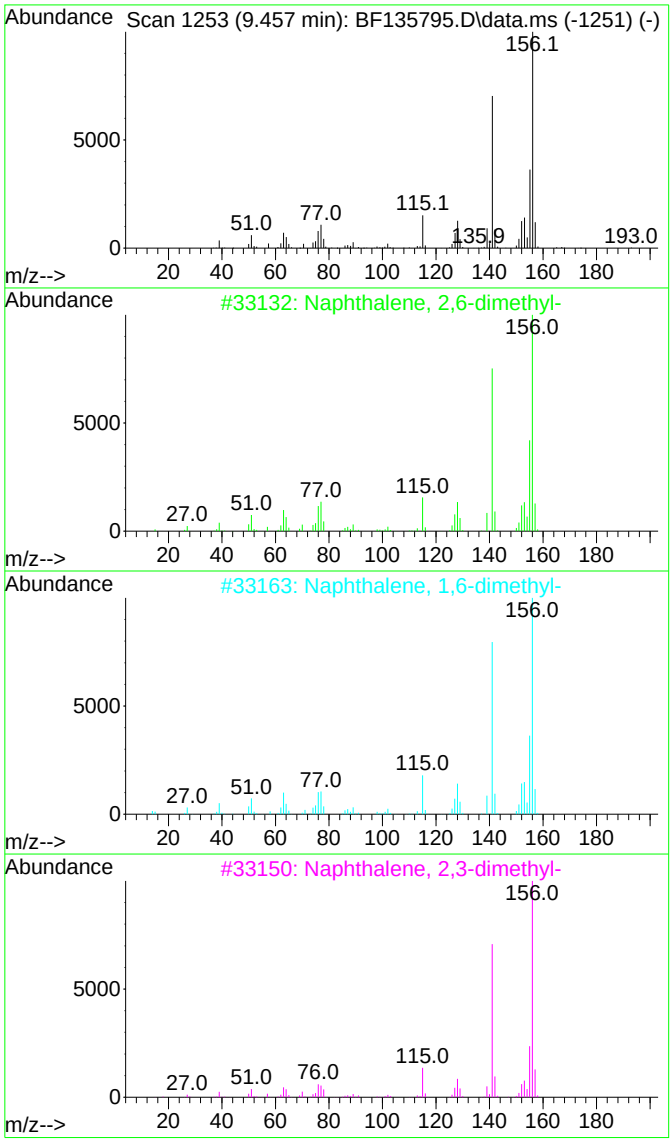
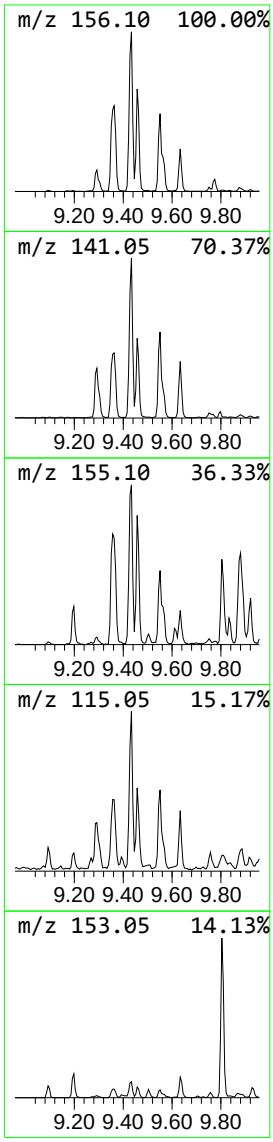
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	8.31 ng	464807	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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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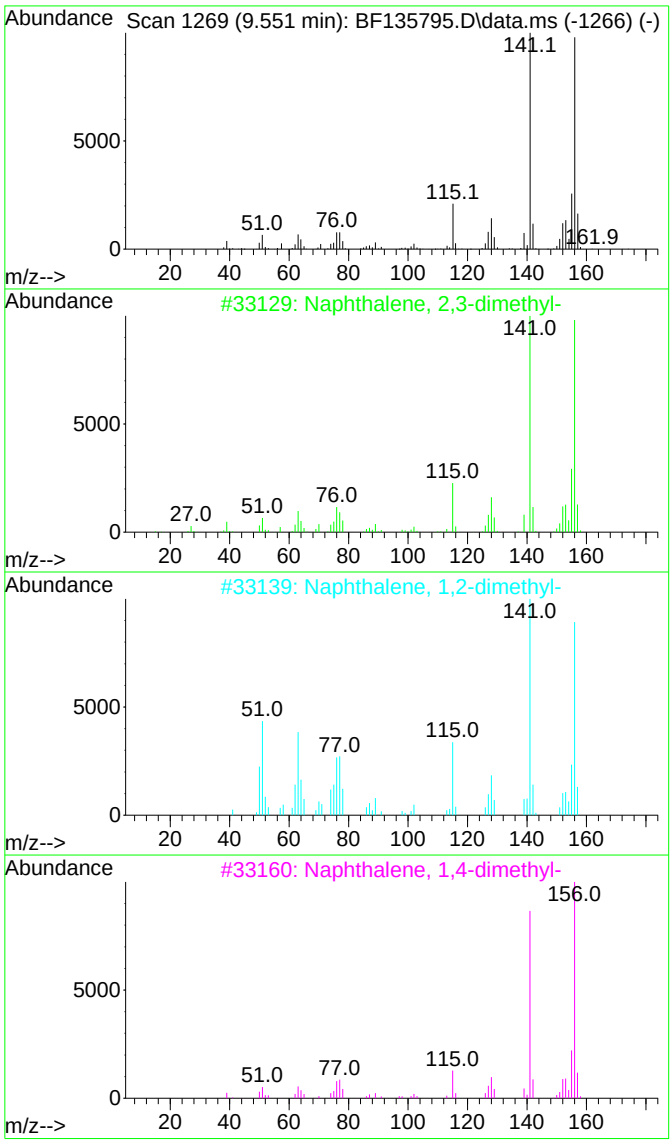
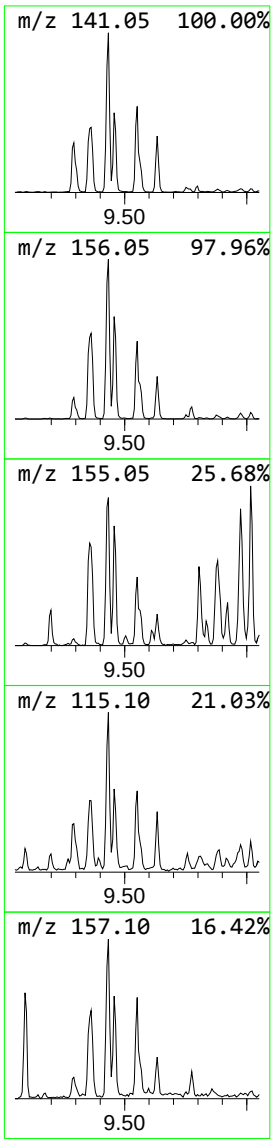
Peak Number 4 Naphthalene, 1,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.551	8.09 ng	452386	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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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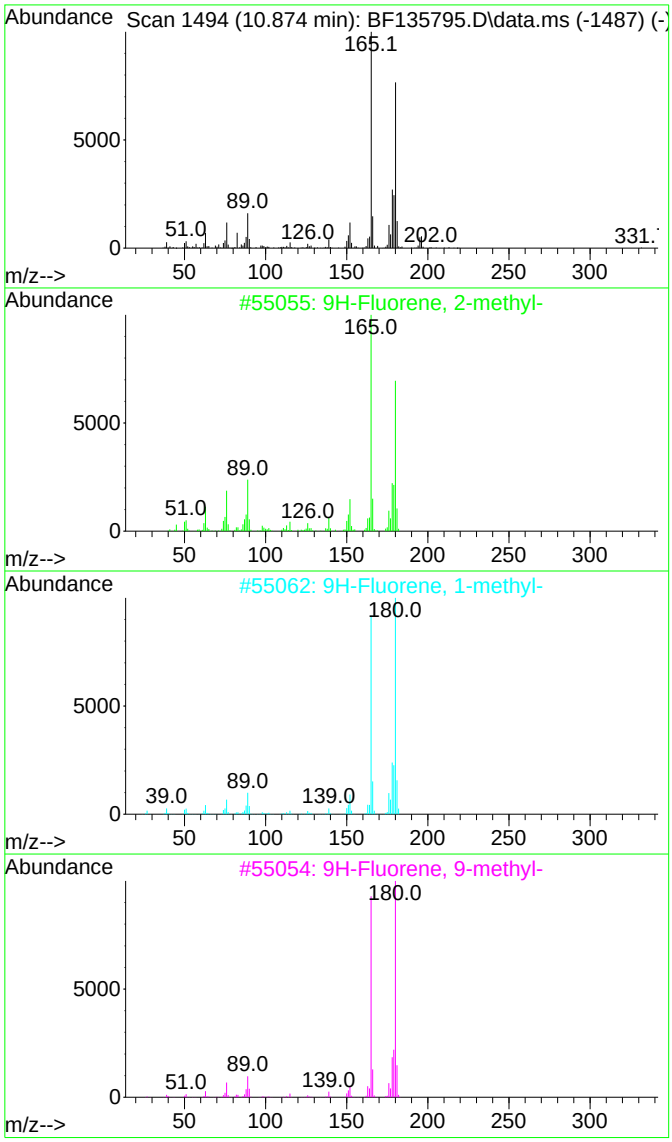
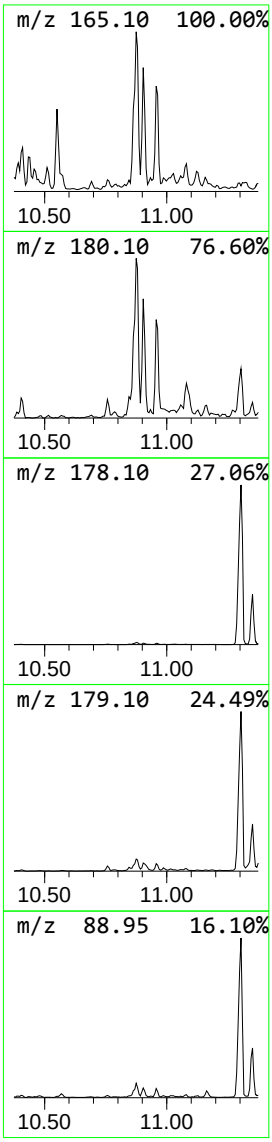
Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.874	12.58 ng	536194	Phenanthrene-d10	11.275

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	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Acq On : 17 Oct 2023 00:58
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Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-1(10-15)

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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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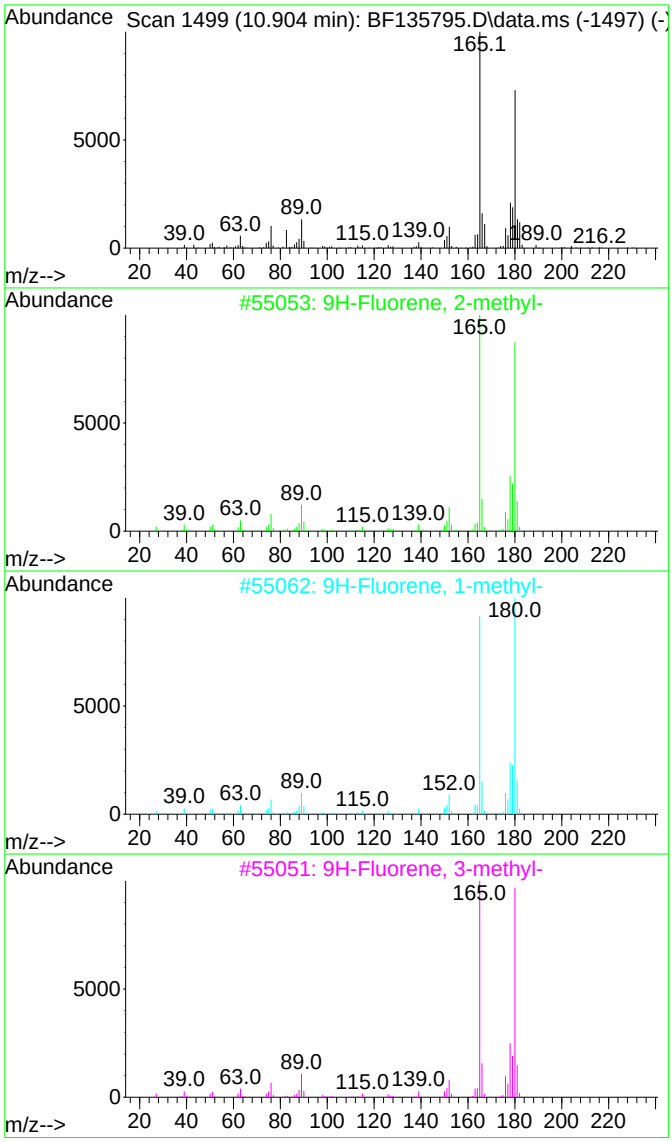
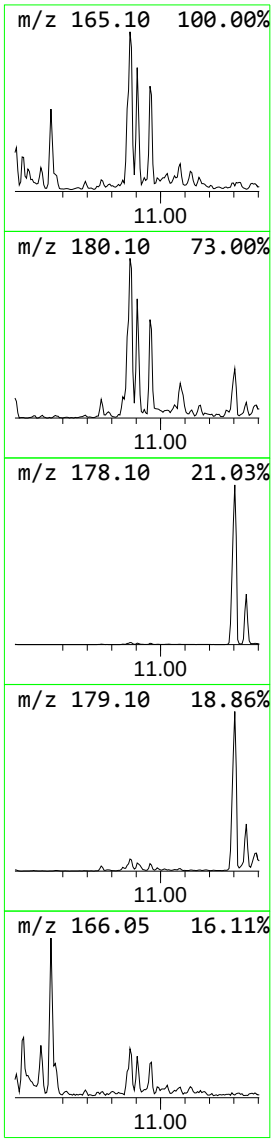
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.904	5.99 ng	255240	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





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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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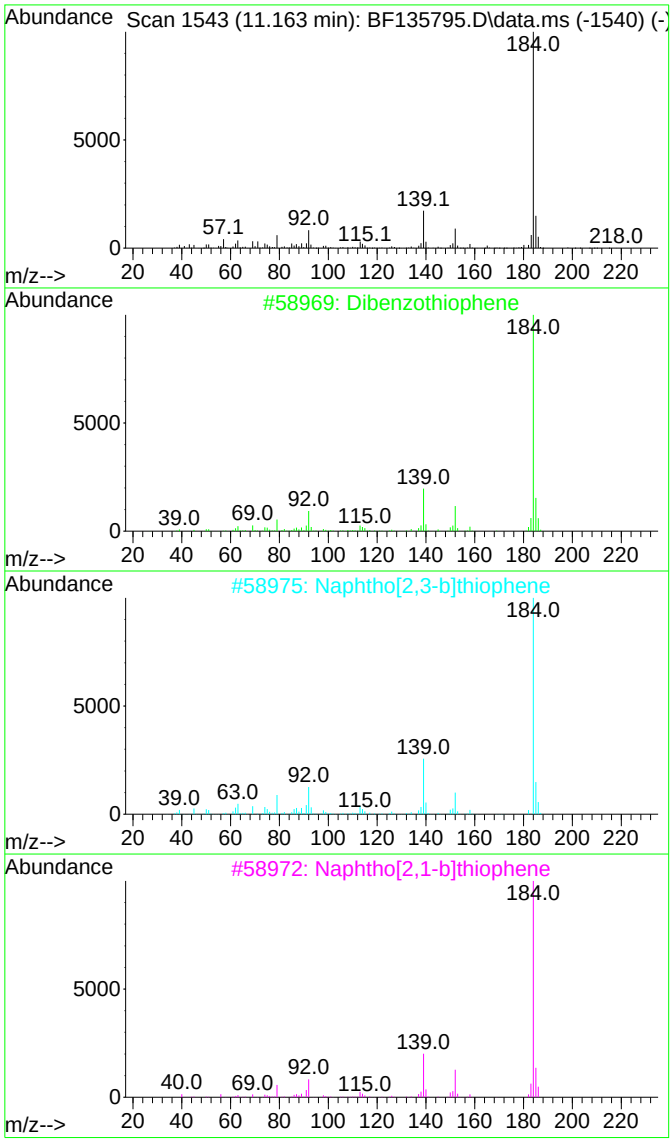
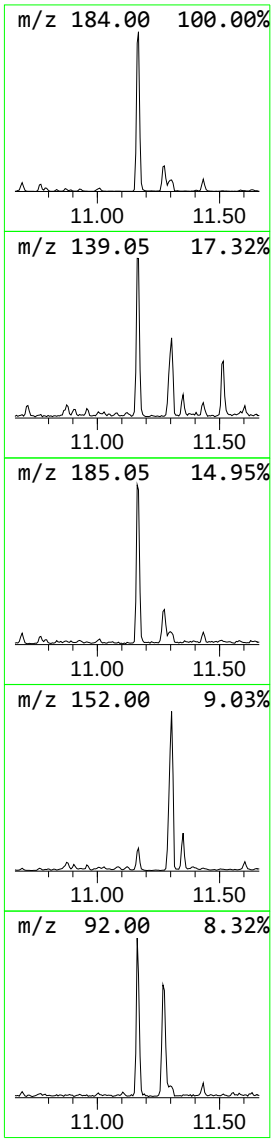
Peak Number 7 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	18.03 ng	768678	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





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ClientSampleId :
R-1(10-15)

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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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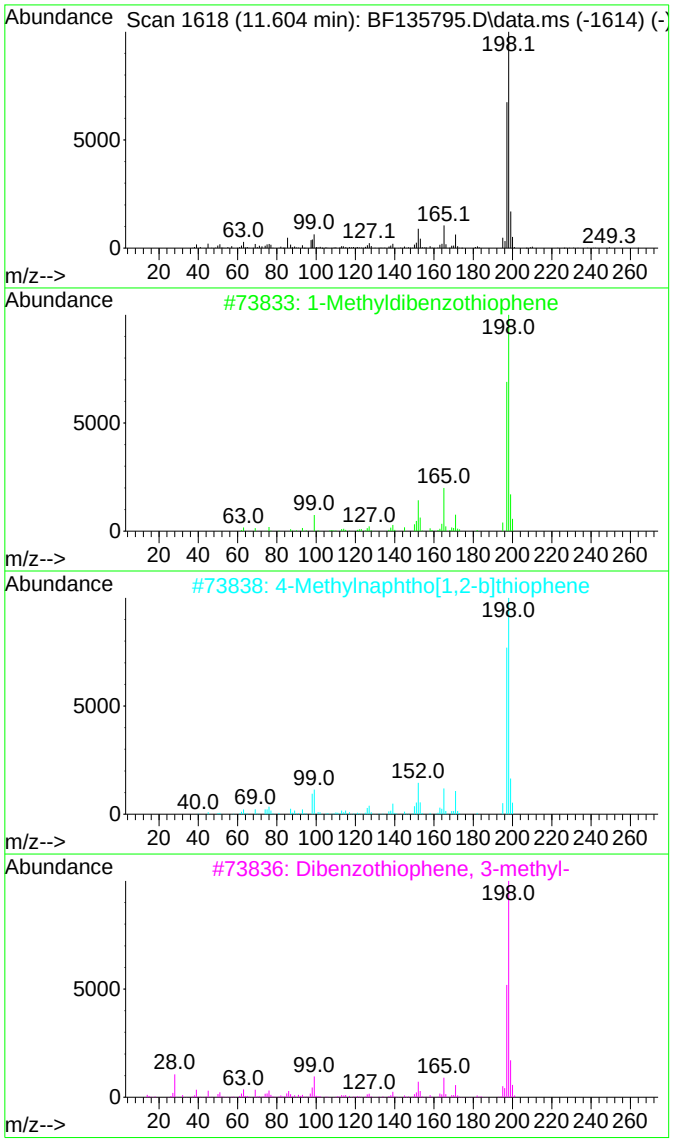
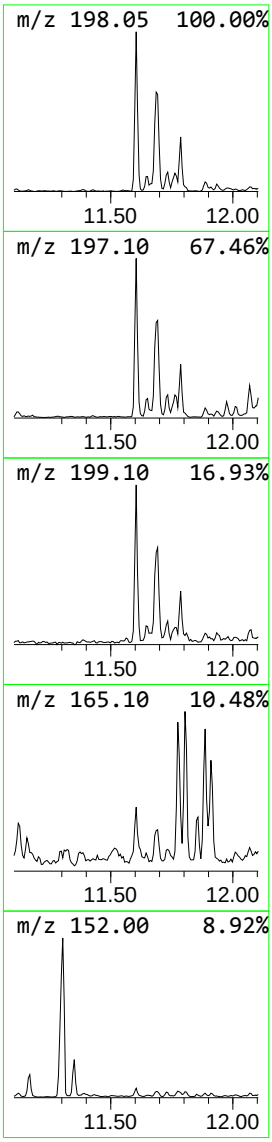
Peak Number 8 1-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	8.38 ng	357198	Phenanthrene-d10	11.275

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	94
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93





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Misc :
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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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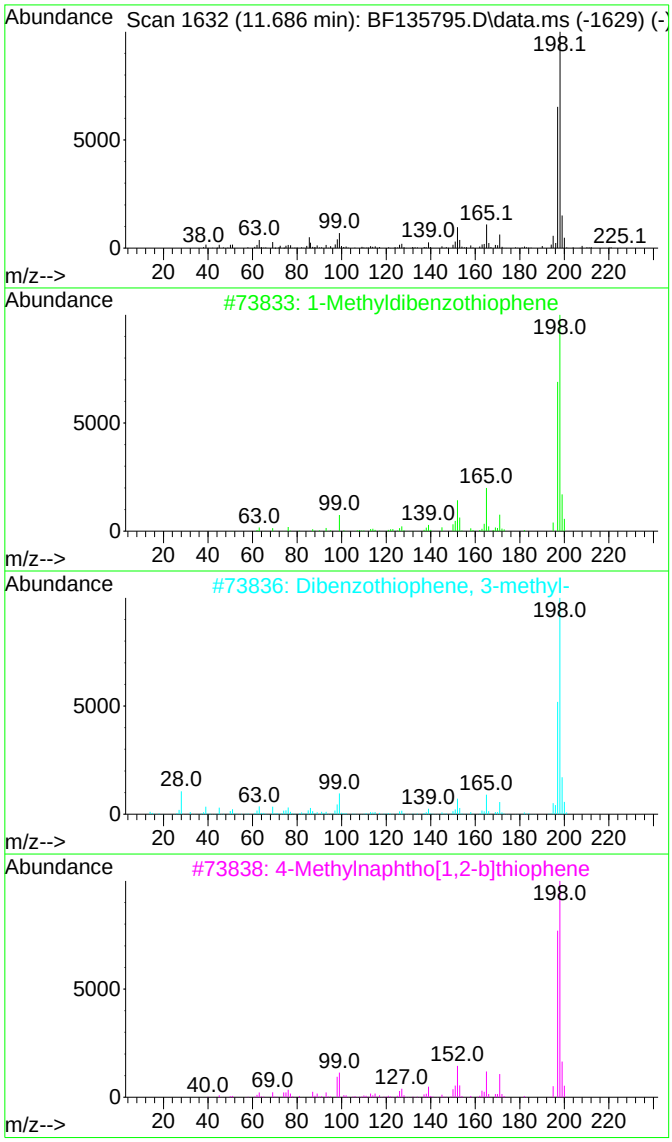
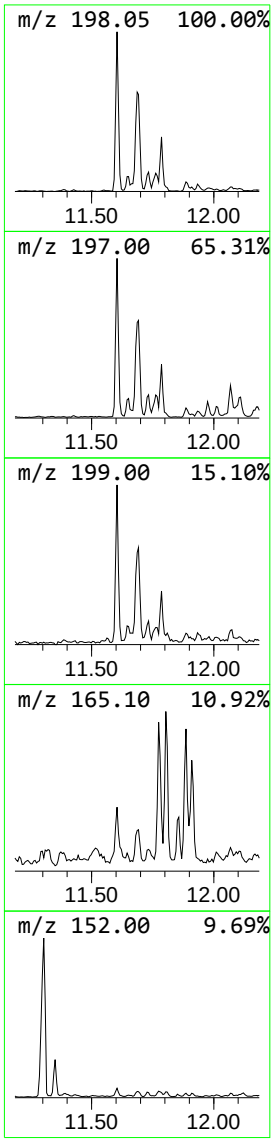
Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	6.27 ng	267246	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	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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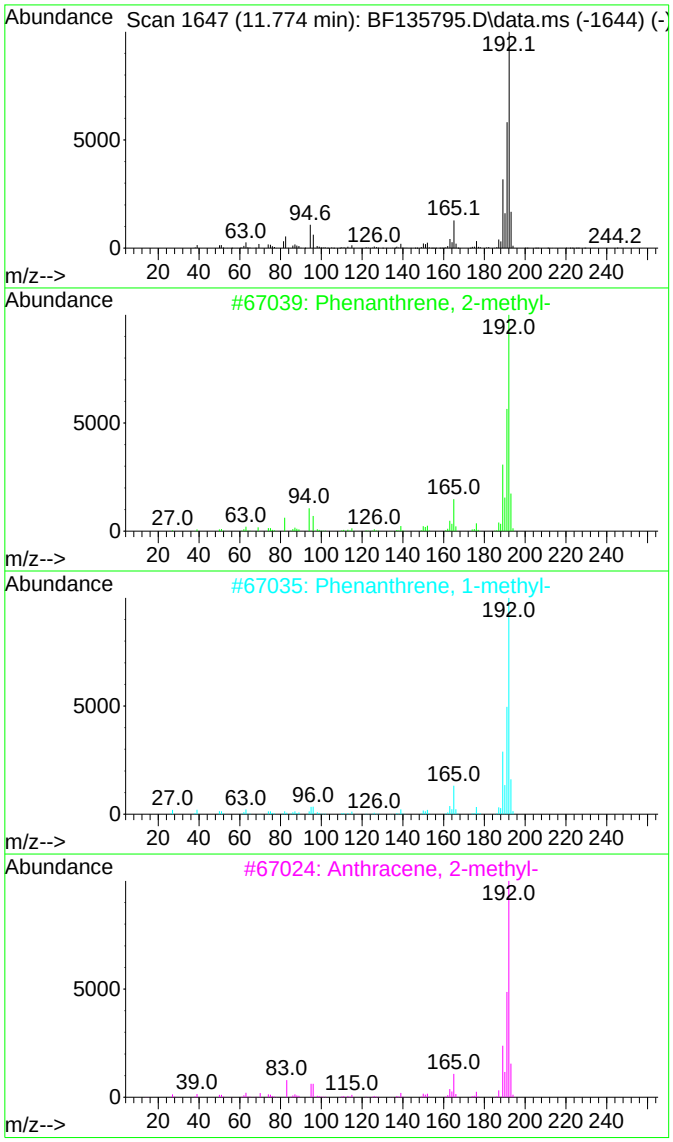
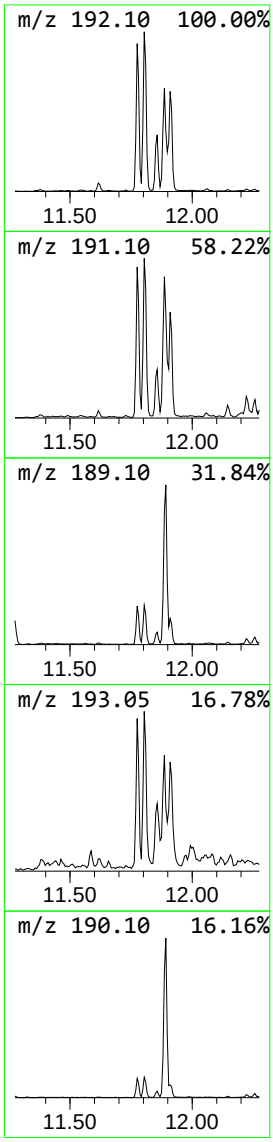
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	19.07 ng	812796	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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ClientSampleId :
R-1(10-15)

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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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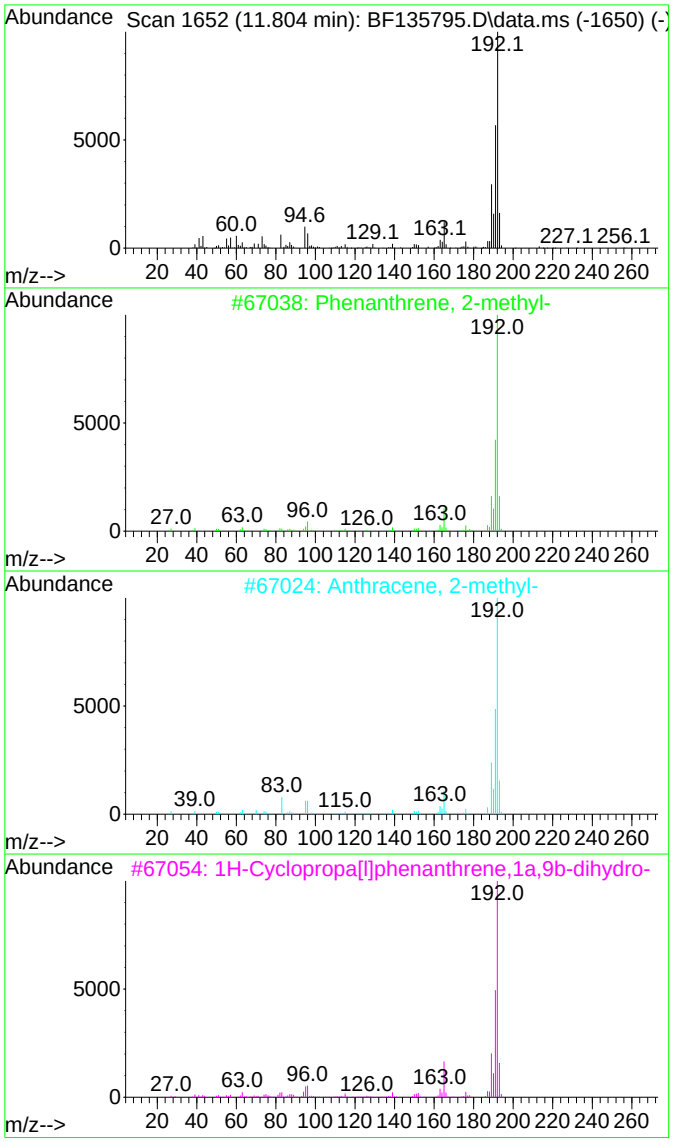
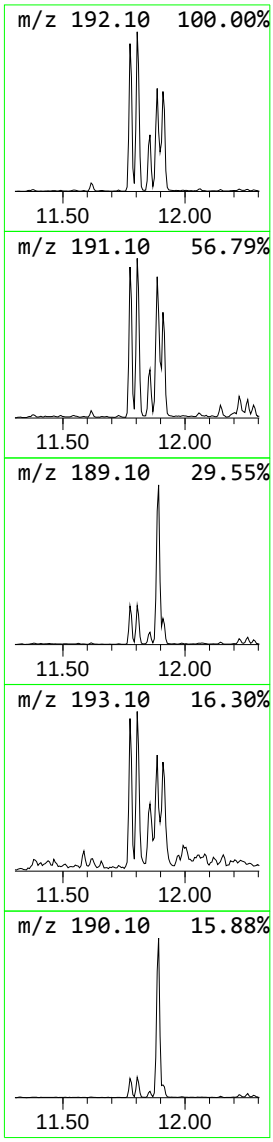
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	22.43 ng	956261	Phenanthrene-d10	11.275

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
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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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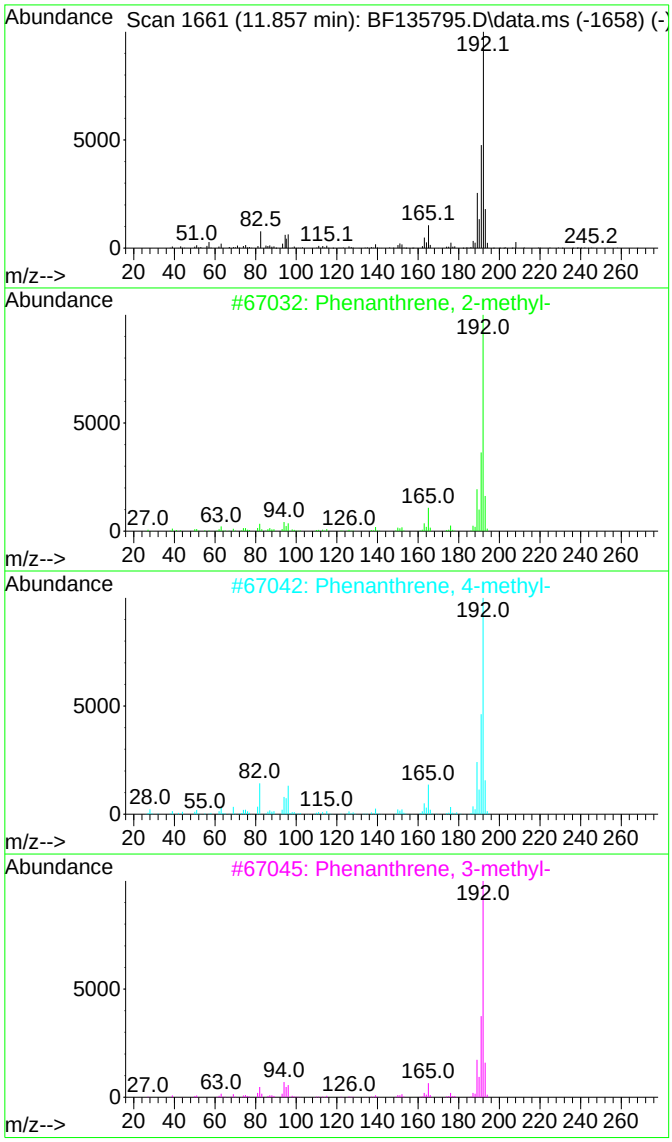
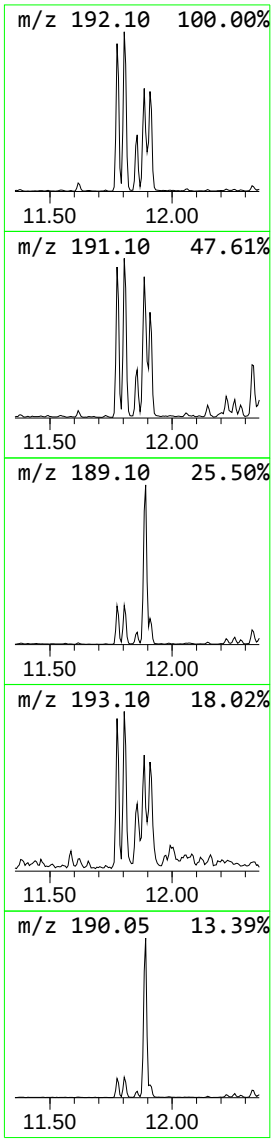
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	6.36 ng	270935	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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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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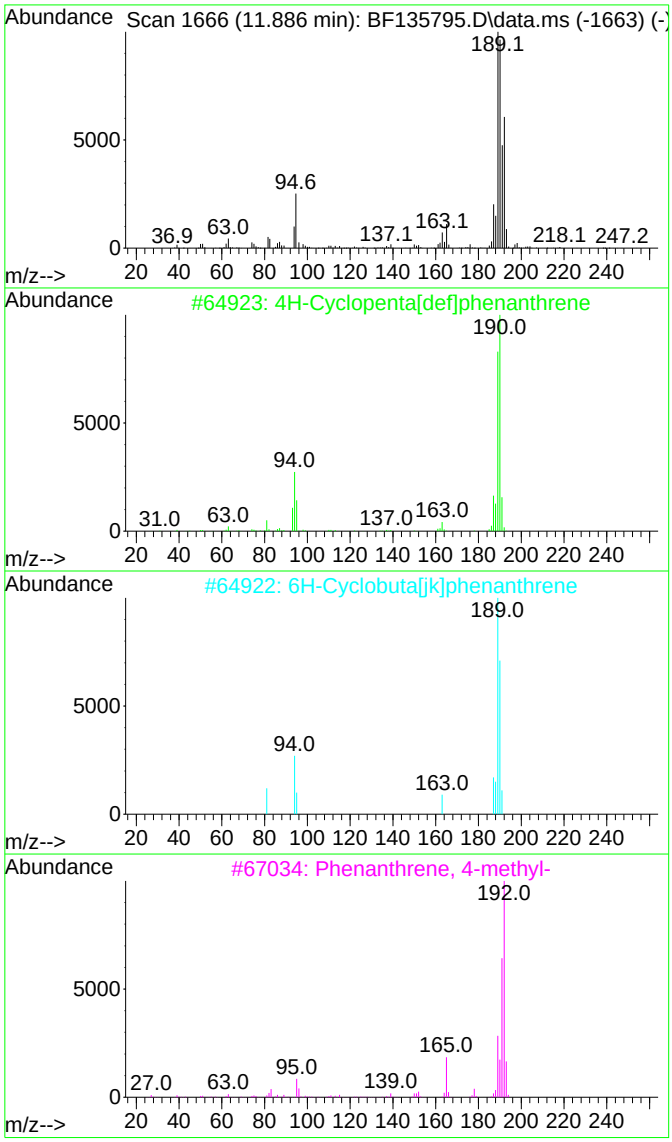
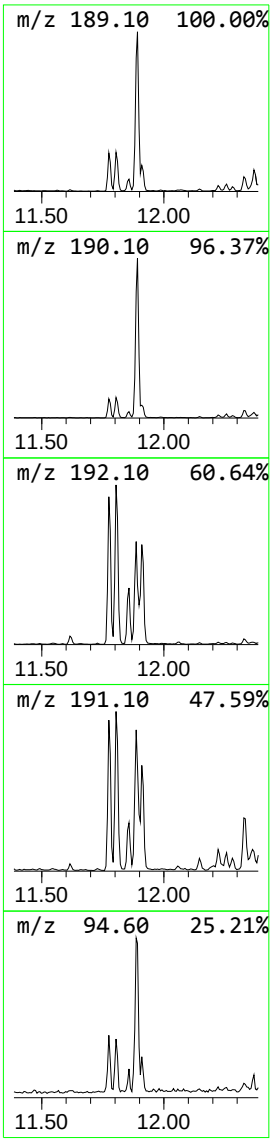
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	37.20 ng	1585580	Phenanthrene-d10	11.275

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	53
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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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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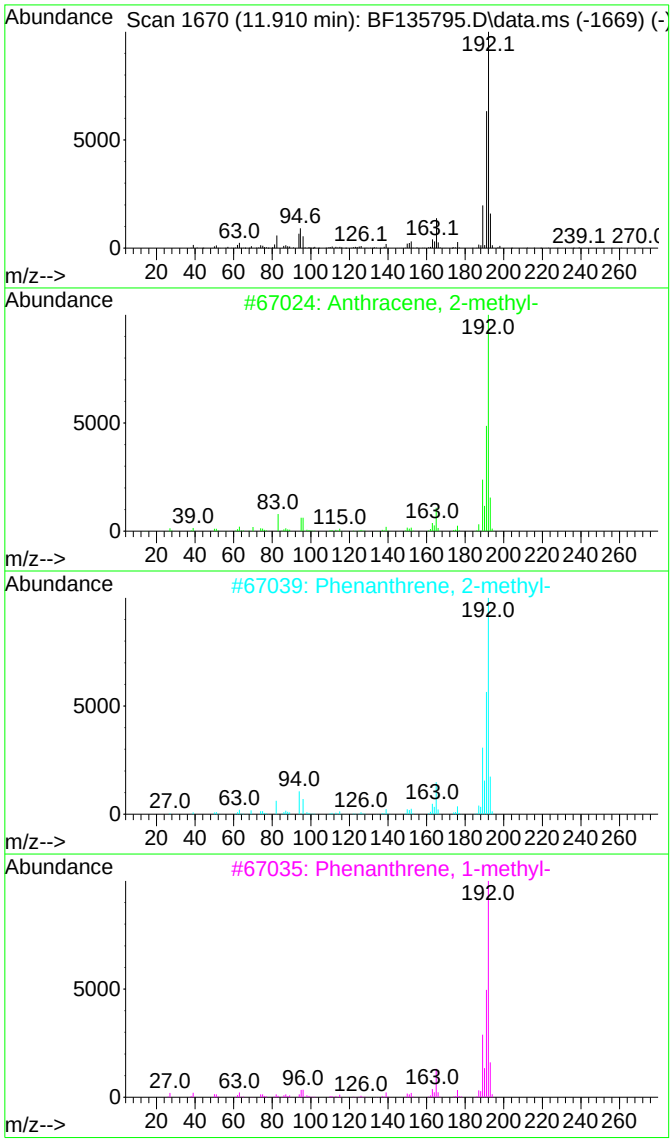
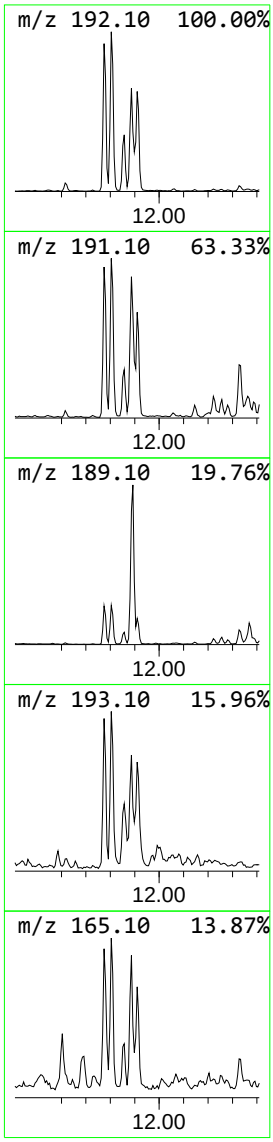
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	9.33 ng	397561	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





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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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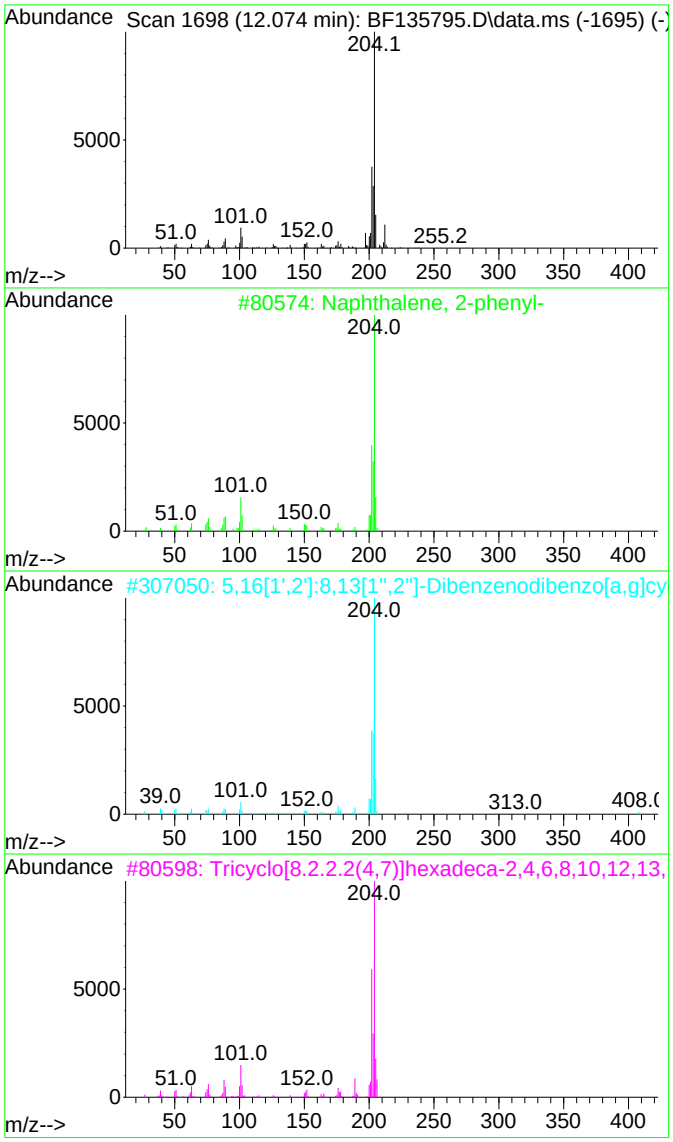
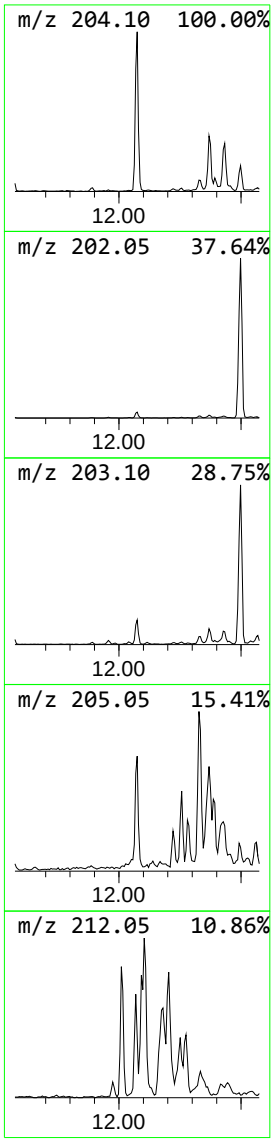
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	8.08 ng	344398	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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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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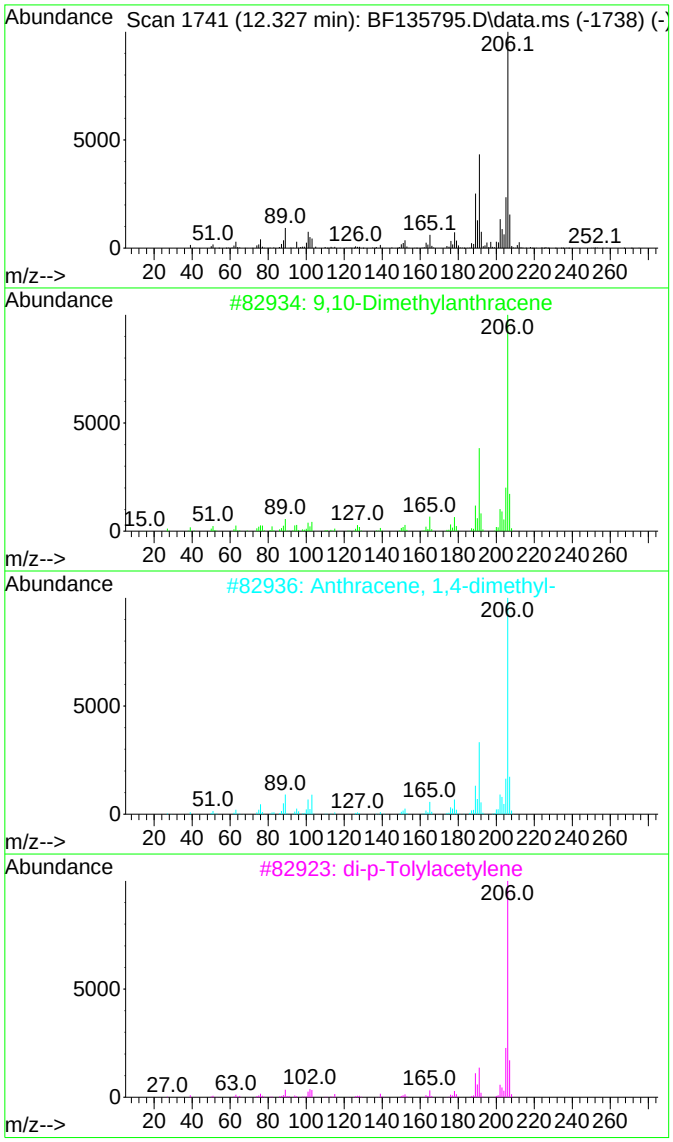
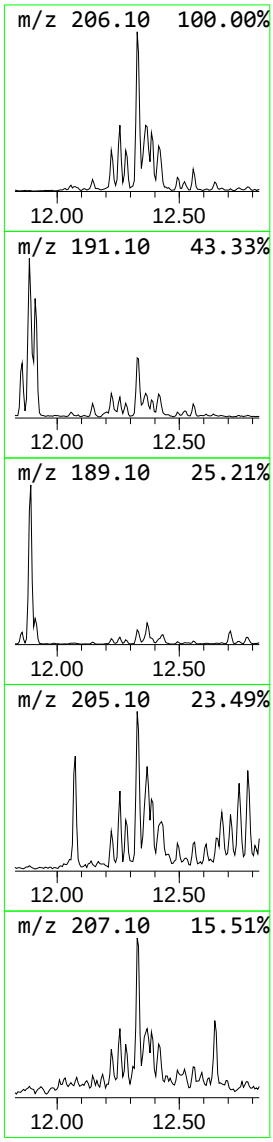
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	11.59 ng	494197	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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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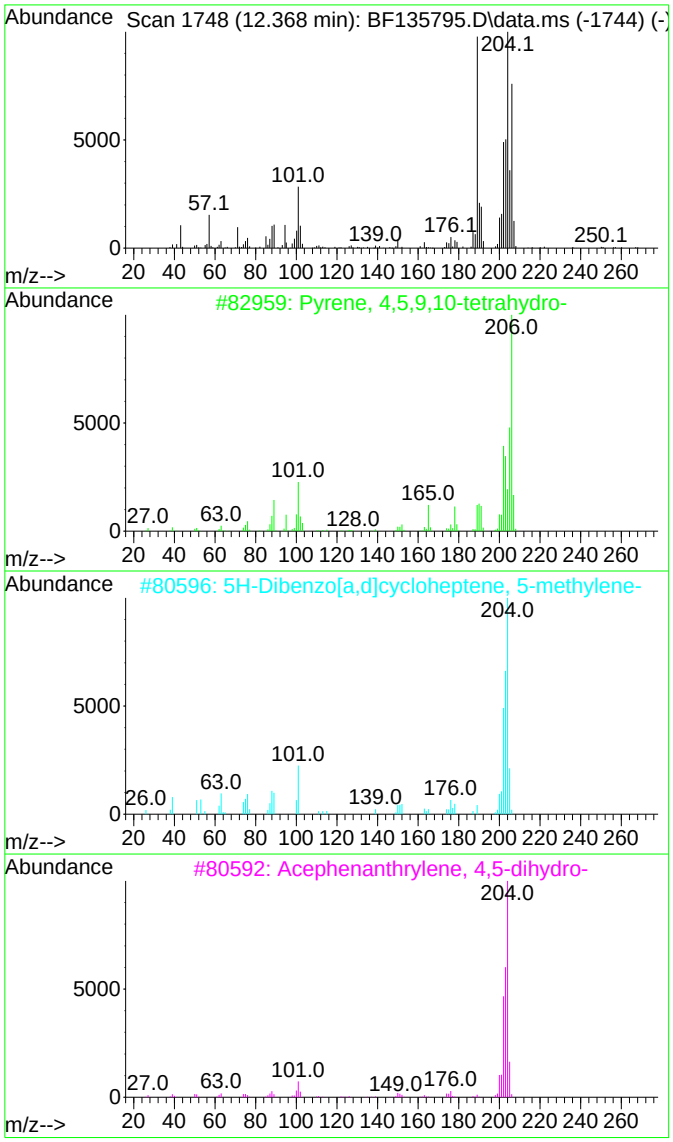
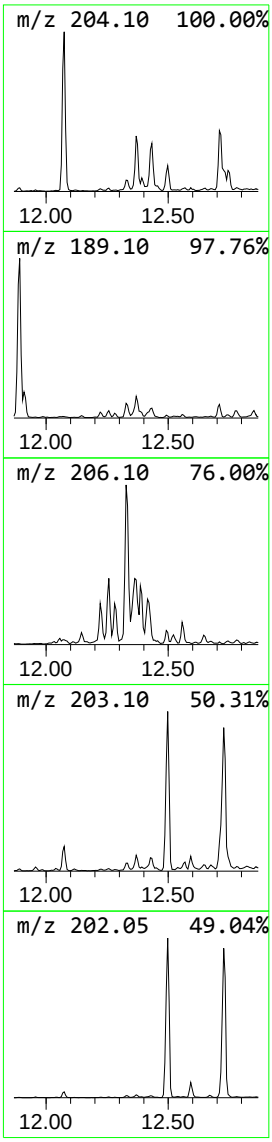
Peak Number 17 unknown12.368 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	8.56 ng	365011	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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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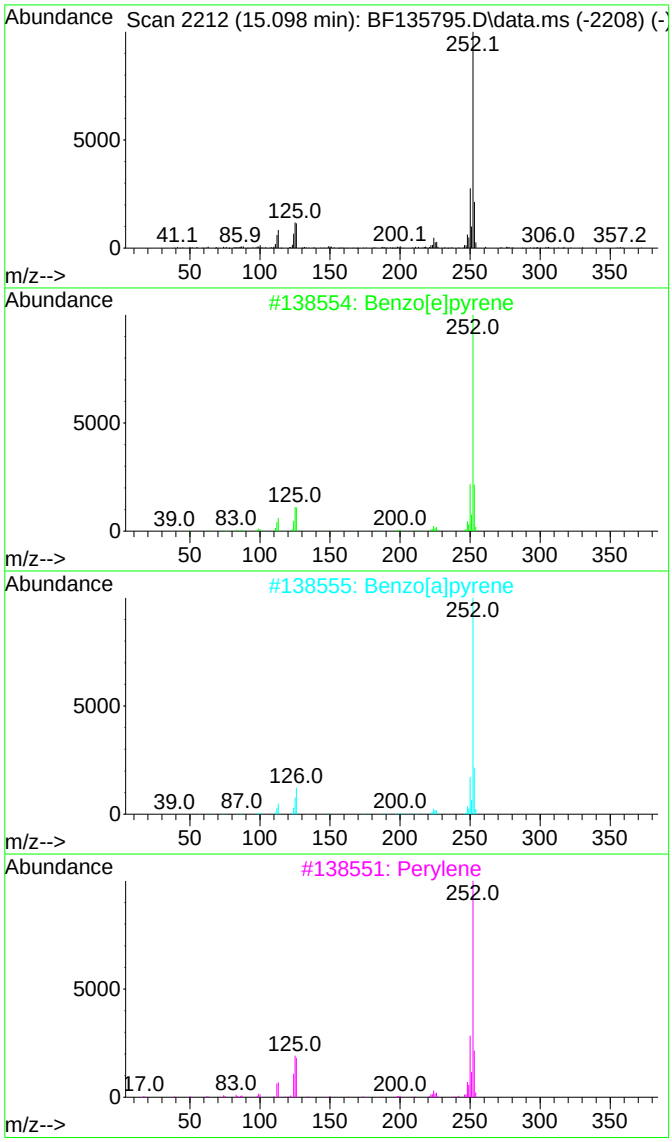
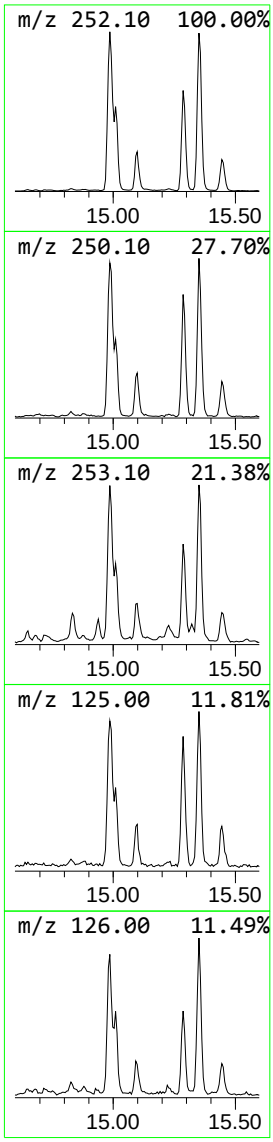
Peak Number 19 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	7.76 ng	207096	Perylene-d12	15.410

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	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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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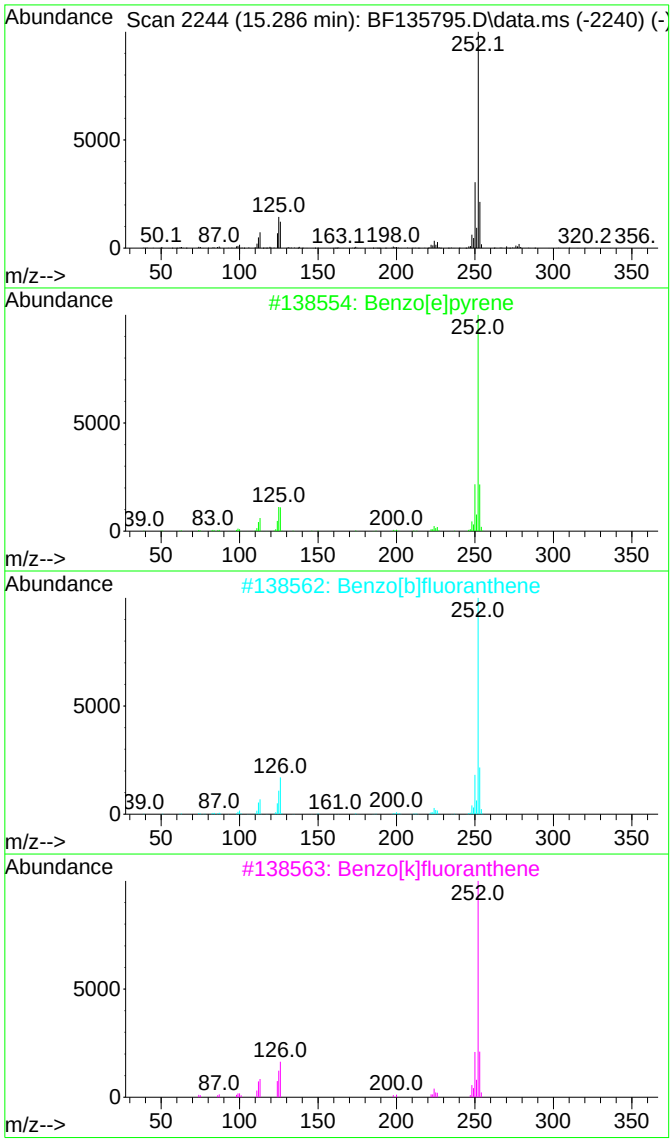
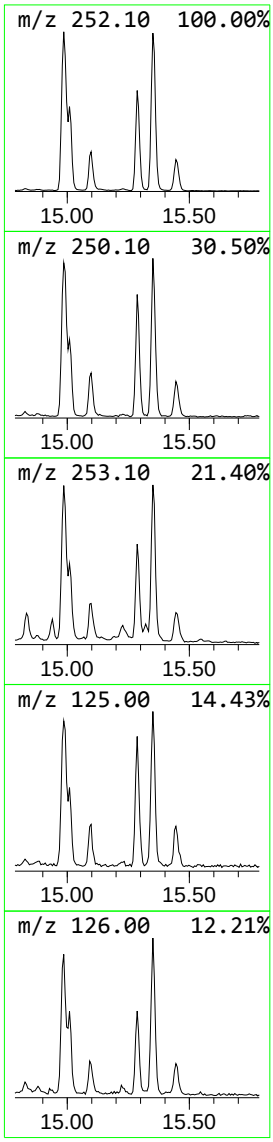
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	20.12 ng	537105	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135795.D
Acq On : 17 Oct 2023 00:58
Operator : CG\JU
Sample : 04704-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)

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,...	9.363	11.7	ng	653390	3	9.775	1118340	20.0
Naphthalene, 2,...	9.433	14.2	ng	793211	3	9.775	1118340	20.0
Naphthalene, 2,...	9.457	8.3	ng	464807	3	9.775	1118340	20.0
Naphthalene, 1,...	9.551	8.1	ng	452386	3	9.775	1118340	20.0
9H-Fluorene, 2-...	10.874	12.6	ng	536194	4	11.275	852570	20.0
9H-Fluorene, 1-...	10.904	6.0	ng	255240	4	11.275	852570	20.0
Dibenzothiophene	11.163	18.0	ng	768678	4	11.275	852570	20.0
1-Methyldibenzo...	11.604	8.4	ng	357198	4	11.275	852570	20.0
Dibenzothiophen...	11.686	6.3	ng	267246	4	11.275	852570	20.0
Phenanthrene, 2...	11.774	19.1	ng	812796	4	11.275	852570	20.0
Anthracene, 2-m...	11.804	22.4	ng	956261	4	11.275	852570	20.0
Phenanthrene, 4...	11.857	6.4	ng	270935	4	11.275	852570	20.0
4H-Cyclopenta[d...	11.886	37.2	ng	1585580	4	11.275	852570	20.0
Phenanthrene, 1...	11.910	9.3	ng	397561	4	11.275	852570	20.0
Naphthalene, 2-...	12.074	8.1	ng	344398	4	11.275	852570	20.0
9,10-Dimethylan...	12.327	11.6	ng	494197	4	11.275	852570	20.0
unknown12.368	12.368	8.6	ng	365011	4	11.275	852570	20.0
Benzo[e]pyrene	15.098	7.8	ng	207096	6	15.410	533791	20.0
Perylene	15.286	20.1	ng	537105	6	15.410	533791	20.0