LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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: BF135801.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	575	rBV	265564	392406	8.67%	0.514%
2	6.392	729	732	748	rBV	302402	457532	10.10%	0.599%
3	6.734	787	790	796	rBV	713041	606077	13.39%	0.793%
4	6.992	830	834	841	rVV	232810	252569	5.58%	0.331%
5	7.304	883	887	892	rBV	258734	275311	6.08%	0.360%
6	7.757	958	964	968	rBV2	279708	442635	9.78%	0.579%
7	7.798	968	971	976	rVB	199295	267264	5.90%	0.350%
8	8.016	1005	1008	1010	rBV	889070	801162	17.69%	1.049%
9	8.039	1010	1012	1015	rVV	2517671	1869026	41.28%	2.447%
10	8.733	1126	1130	1133	rBV	1622538	1337797	29.55%	1.751%
11	8.833	1141	1147	1150	rBV	3059870	2718124	60.03%	3.558%
12	9.092	1188	1191	1195	rVV	634298	486759	10.75%	0.637%
13	9.192	1206	1208	1214	rVB	586894	496027	10.95%	0.649%
14	9.292	1222	1225	1230	rVB2	433912	594874	13.14%	0.779%
15	9.363	1232	1237	1240	rBV	1158466	1519990	33.57%	1.990%
16	9.392	1240	1242	1245	rVV	319267	264902	5.85%	0.347%
17	9.433	1245	1249	1252	rVV	1701834	1860133	41.08%	2.435%
18	9.463	1252	1254	1258	rVV	1194842	1005761	22.21%	1.317%
19	9.551	1266	1269	1278	rVB	945395	1009281	22.29%	1.321%
20	9.633	1280	1283	1287	rVB	1419275	1235594	27.29%	1.618%
21	9.757	1301	1304	1305	rBV	401218	339820	7.50%	0.445%
22	9.775	1305	1307	1310	rVV	824219	622493	13.75%	0.815%
23	9.810	1310	1313	1316	rVV2	572116	606903	13.40%	0.795%
24	9.880	1321	1325	1329	rBV2	380019	469840	10.38%	0.615%
25	9.980	1335	1342	1345	rVV4	572238	801150	17.69%	1.049%
26	10.016	1345	1348	1352	rVV	489517	443836	9.80%	0.581%
27	10.092	1357	1361	1364	rBV	554541	581703	12.85%	0.762%
28	10.122	1364	1366	1369	rVV	350078	260704	5.76%	0.341%
29	10.175	1372	1375	1378	rBV3	292543	409326	9.04%	0.536%
30	10.204	1378	1380	1382	rVB	364464	264971	5.85%	0.347%
31	10.275	1387	1392	1394	rBV3	237272	278767	6.16%	0.365%
32	10.328	1398	1401	1407	rVB	1681910	1669670	36.87%	2.186%
33	10.392	1407	1412	1413	rBV3	256385	337740	7.46%	0.442%
34	10.433	1417	1419	1422	rVV2	258643	247289	5.46%	0.324%
35	10.480	1424	1427	1430	rVV4	265212	305173	6.74%	0.400%
36	10.551	1436	1439	1440	rBV	361559	322307	7.12%	0.422%

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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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	10.569	1440	1442	1446	rVB2	349159	373709	8.25%	0.489%
38	10.692	1458	1463	1469	rVB3	338660	474518	10.48%	0.621%
39	10.880	1490	1495	1497	rBV	570430	788880	17.42%	1.033%
40	10.904	1497	1499	1502	rVV	455885	408511	9.02%	0.535%
41	10.963	1506	1509	1511	rVB	365472	305523	6.75%	0.400%
42	11.133	1531	1538	1540	rVV3	236743	330079	7.29%	0.432%
43	11.169	1540	1544	1549	rVB	1307900	1275415	28.17%	1.670%
44	11.275	1558	1562	1563	rBV	641043	608933	13.45%	0.797%
45	11.304	1563	1567	1570	rVV	3802622	4527981	100.00%	5.928%
46	11.351	1572	1575	1577	rVV	1153097	900116	19.88%	1.178%
47	11.386	1577	1581	1583	rVV2	267033	388833	8.59%	0.509%
48	11.433	1586	1589	1594	rVV2	221892	365439	8.07%	0.478%
49	11.510	1598	1602	1605	rVV2	236509	320398	7.08%	0.419%
50	11.563	1608	1611	1614	rVV2	525103	493737	10.90%	0.646%
51	11.604	1614	1618	1623	rVV	876063	952751	21.04%	1.247%
52	11.692	1629	1633	1636	rVB	601919	711498	15.71%	0.931%
53	11.780	1644	1648	1651	rVV2	1583819	1630495	36.01%	2.135%
54	11.810	1651	1653	1657	rVB	1832944	1440925	31.82%	1.886%
55	11.857	1658	1661	1664	rBV	510465	503712	11.12%	0.659%
56	11.892	1664	1667	1669	rVV	2121855	2117346	46.76%	2.772%
57	11.916	1669	1671	1674	rVV	1202298	901997	19.92%	1.181%
58	12.010	1685	1687	1690	rVB	309094	255620	5.65%	0.335%
59	12.074	1695	1698	1700	rVV2	812077	742725	16.40%	0.972%
60	12.110	1702	1704	1709	rVB	341369	338877	7.48%	0.444%
61	12.180	1712	1716	1718	rBV2	180704	288499	6.37%	0.378%
62	12.204	1718	1720	1722	rVV	289235	269622	5.95%	0.353%
63	12.257	1726	1729	1731	rVV2	496666	461336	10.19%	0.604%
64	12.280	1731	1733	1736	rVB2	345665	329134	7.27%	0.431%
65	12.333	1738	1742	1745	rBV	1207657	1254454	27.70%	1.642%
66	12.369	1745	1748	1751	rVV2	693556	924259	20.41%	1.210%
67	12.433	1754	1759	1761	rBV2	395604	644766	14.24%	0.844%
68	12.504	1767	1771	1774	rBV	2831212	2748060	60.69%	3.598%
69	12.539	1774	1777	1779	rBV	279352	282478	6.24%	0.370%
70	12.598	1784	1787	1790	rVB2	443864	397681	8.78%	0.521%
71	12.651	1793	1796	1799	rBV2	592203	556322	12.29%	0.728%
72	12.739	1804	1811	1815	rBV	3534689	4240982	93.66%	5.552%
73	12.786	1815	1819	1822	rBV2	374299	380332	8.40%	0.498%
74	12.869	1830	1833	1835	rBV	408590	311965	6.89%	0.408%
75	12.945	1842	1846	1853	rBV3	500916	840631	18.57%	1.100%
76	13.004	1853	1856	1858	rVV	352809	285547	6.31%	0.374%

LSC Area Percent Report

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Misc :
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Instrument :
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ClientSampleId :
R-3(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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.039	1858	1862	1864	rVV2	463607	694604	15.34%	0.909%
78	13.063	1864	1866	1869	rVB	970255	806726	17.82%	1.056%
79	13.127	1875	1877	1880	rVV	823081	692485	15.29%	0.907%
80	13.169	1880	1884	1888	rVV	797292	821588	18.14%	1.076%
81	13.263	1896	1900	1902	rVV	630425	584053	12.90%	0.765%
82	13.292	1902	1905	1908	rVB	715083	618167	13.65%	0.809%
83	13.551	1946	1949	1952	rBV3	166221	248218	5.48%	0.325%
84	13.686	1967	1972	1974	rBV	601620	686866	15.17%	0.899%
85	13.710	1974	1976	1979	rVB	450714	367192	8.11%	0.481%
86	13.857	1999	2001	2008	rVB	214814	241660	5.34%	0.316%
87	13.933	2010	2014	2018	rVV2	1507091	2177407	48.09%	2.850%
88	13.968	2018	2020	2023	rVV	1358239	1278469	28.23%	1.674%
89	14.104	2040	2043	2047	rVB4	266011	315914	6.98%	0.414%
90	14.333	2077	2082	2085	rVV	541580	678806	14.99%	0.889%
91	14.368	2085	2088	2090	rVV	273081	265563	5.86%	0.348%
92	14.404	2091	2094	2097	rVV2	222651	341011	7.53%	0.446%
93	14.457	2101	2103	2105	rVV	321255	308382	6.81%	0.404%
94	14.480	2105	2107	2111	rVV2	297991	279288	6.17%	0.366%
95	14.992	2190	2194	2200	rBV	627327	1116236	24.65%	1.461%
96	15.292	2242	2245	2250	rVB	484588	560878	12.39%	0.734%
97	15.362	2252	2257	2263	rBV	739073	973781	21.51%	1.275%
98	15.421	2263	2267	2270	rVV	254323	338632	7.48%	0.443%
99	16.921	2517	2522	2529	rVB	209595	408764	9.03%	0.535%
100	17.380	2595	2600	2610	rVB	167412	353637	7.81%	0.463%

Sum of corrected areas: 76387329

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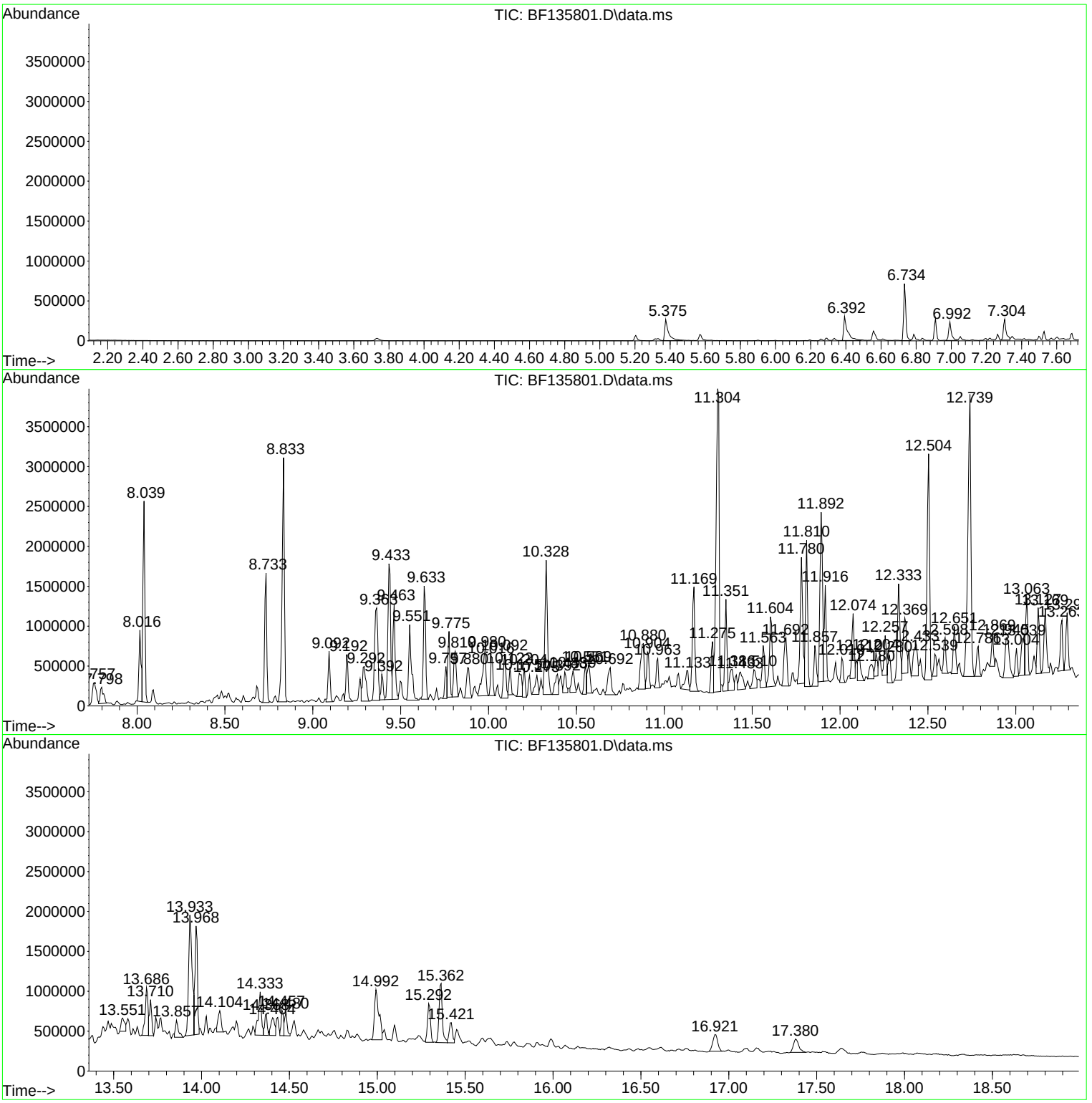
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)

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\
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Instrument :
BNA_F
ClientSampleId :
R-3(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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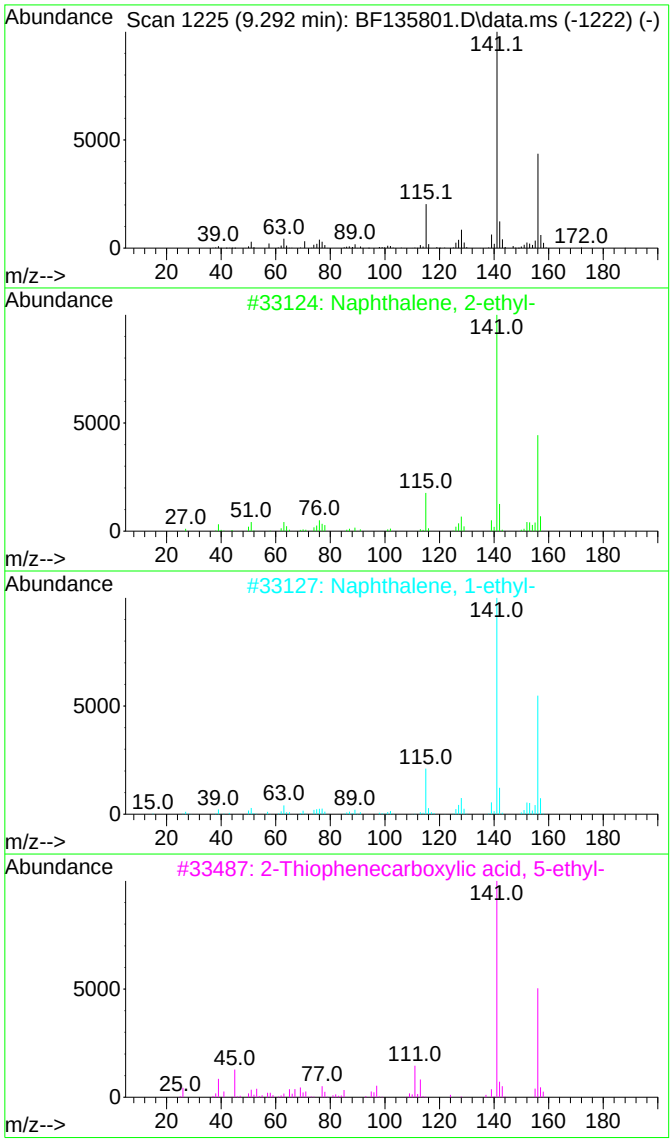
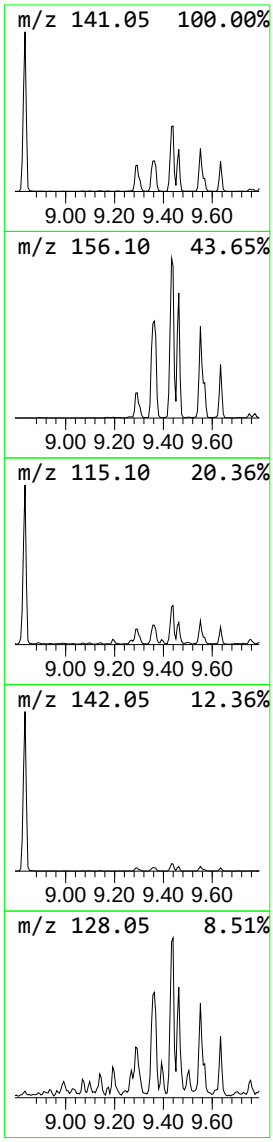
Peak Number 1 Naphthalene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.292	19.11 ng	594874	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	59
5	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	59





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Instrument :
BNA_F
ClientSampleId :
R-3(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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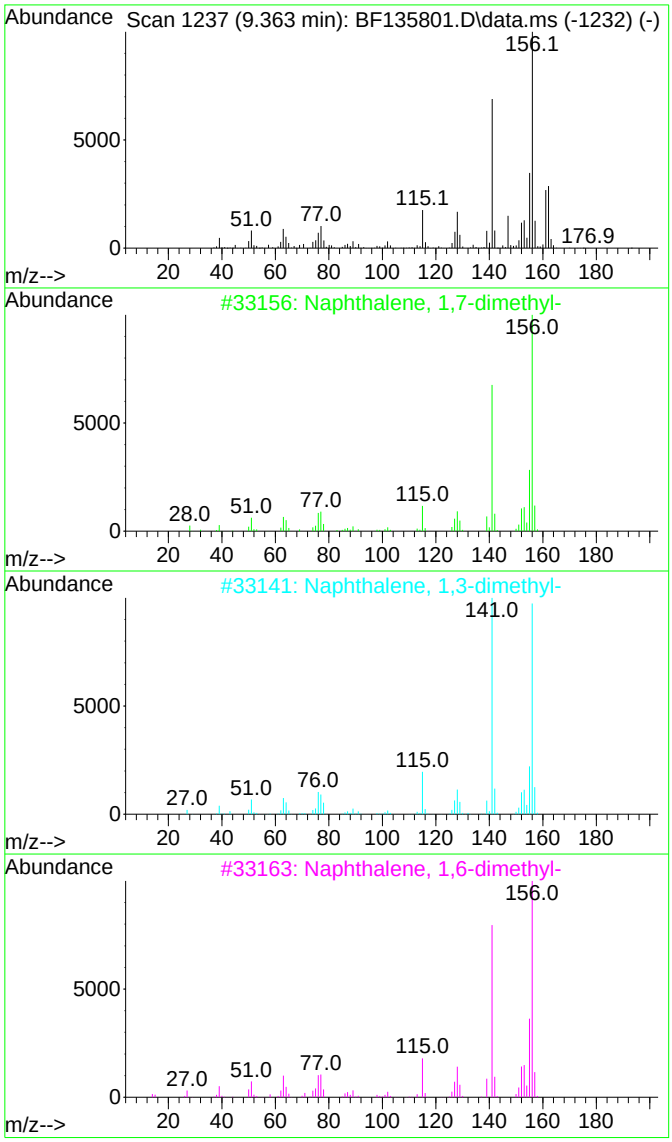
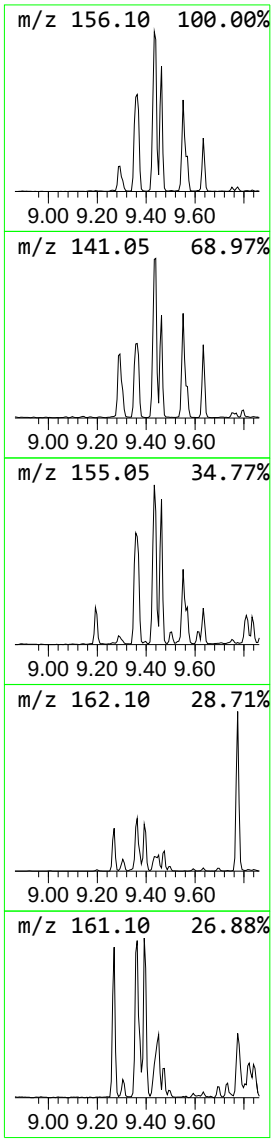
Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	48.84 ng	1519990	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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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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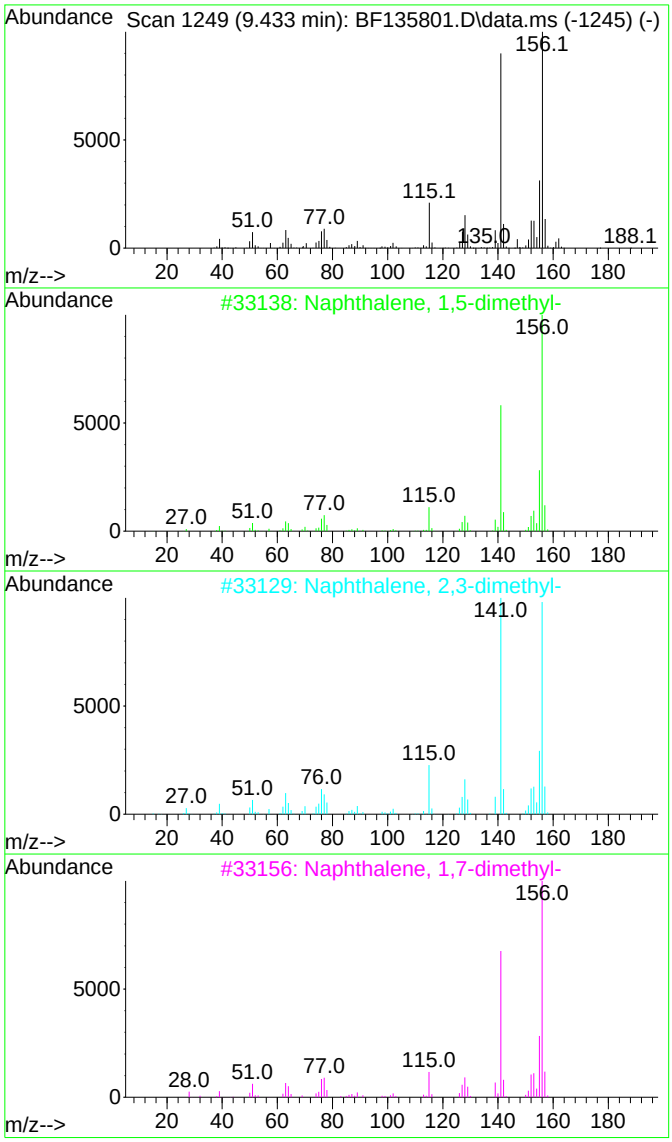
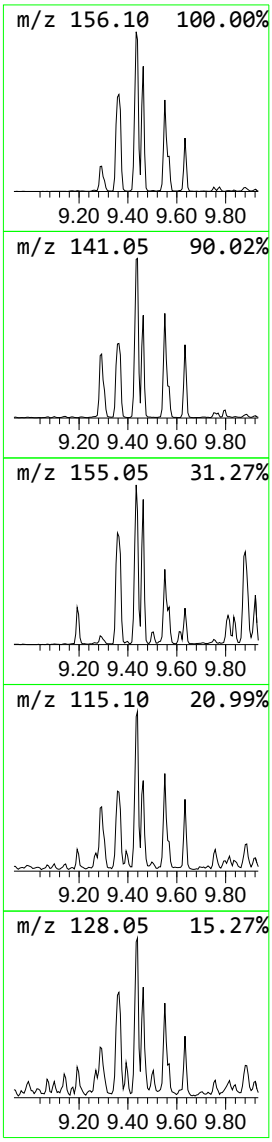
Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.433	59.76 ng	1860130	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	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, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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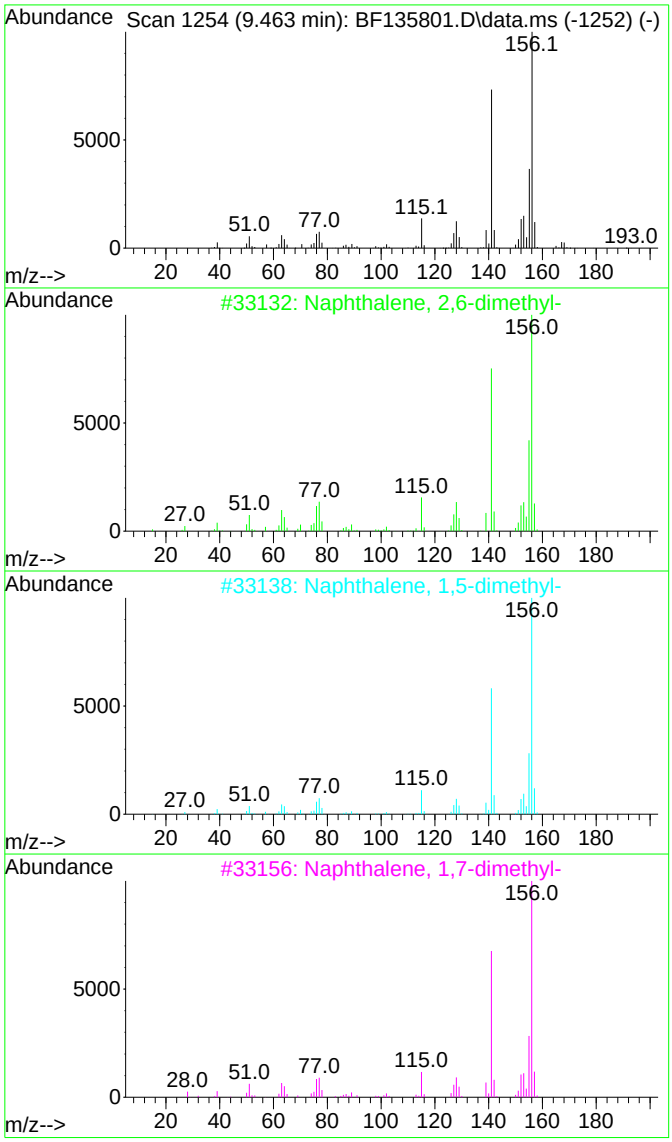
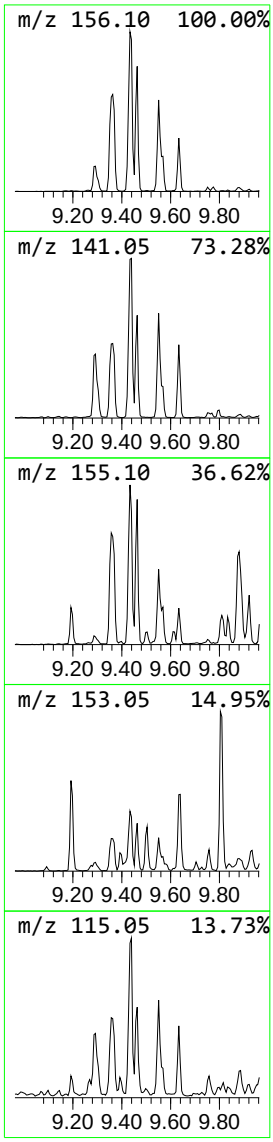
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.463	32.31 ng	1005760	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, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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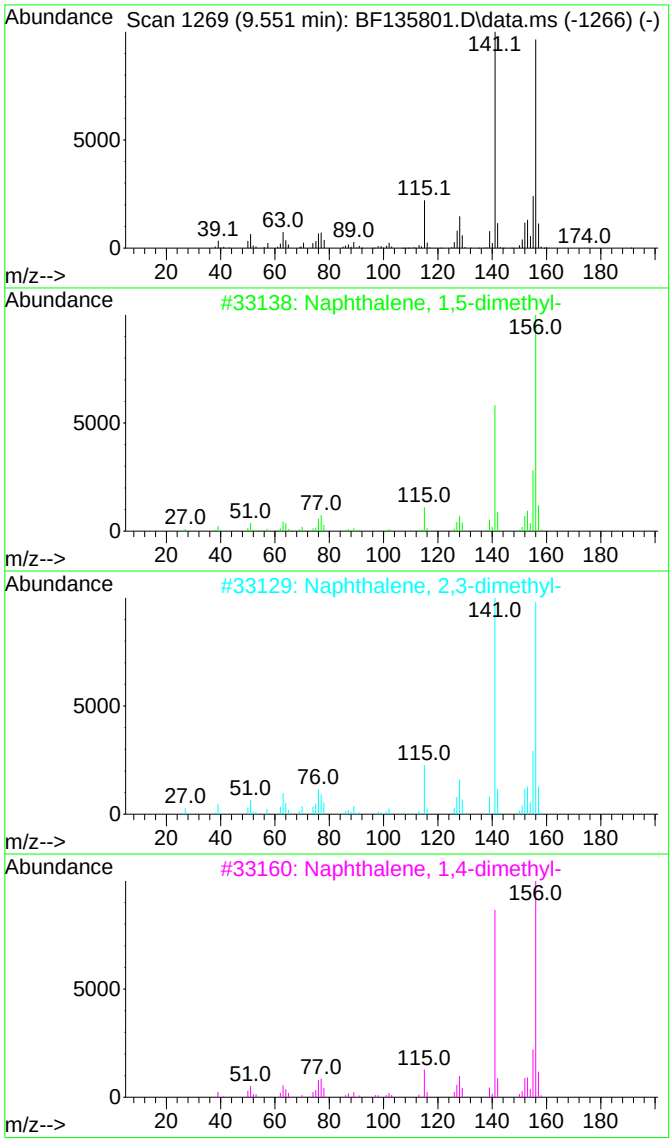
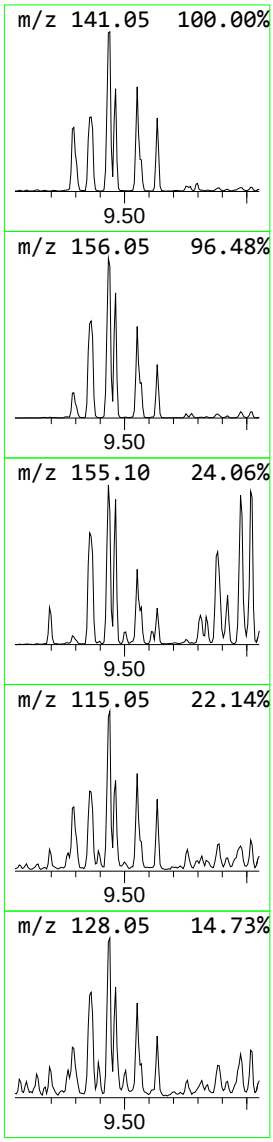
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.551	32.43 ng	1009280	Acenaphthene-d10	9.775

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





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Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-3(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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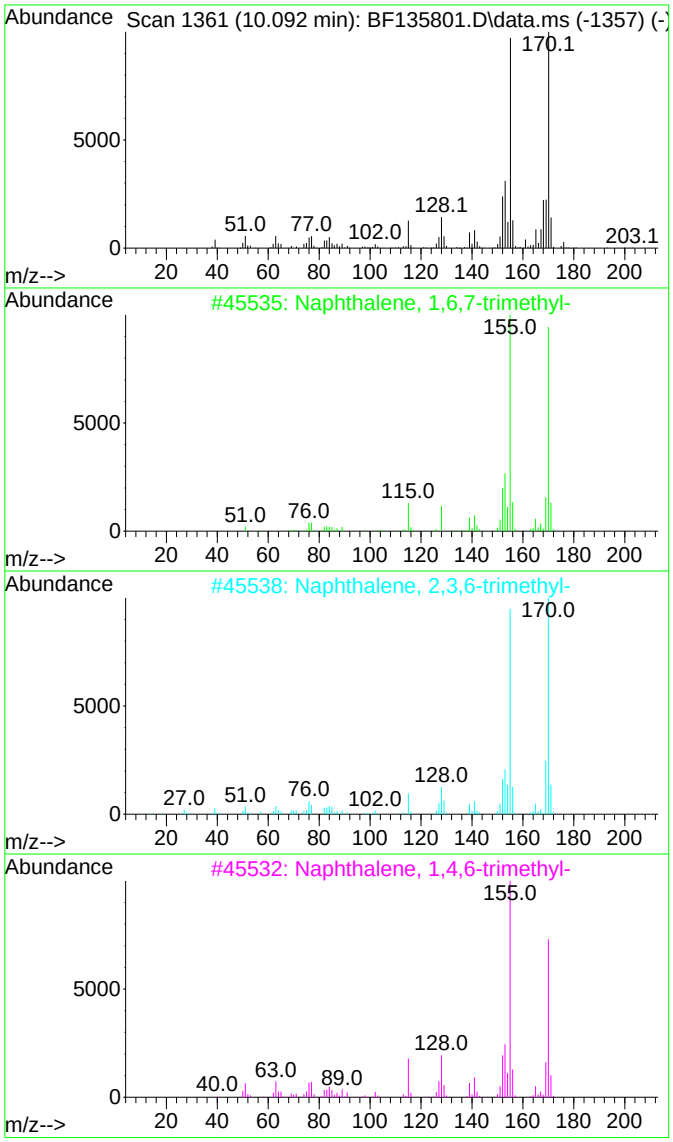
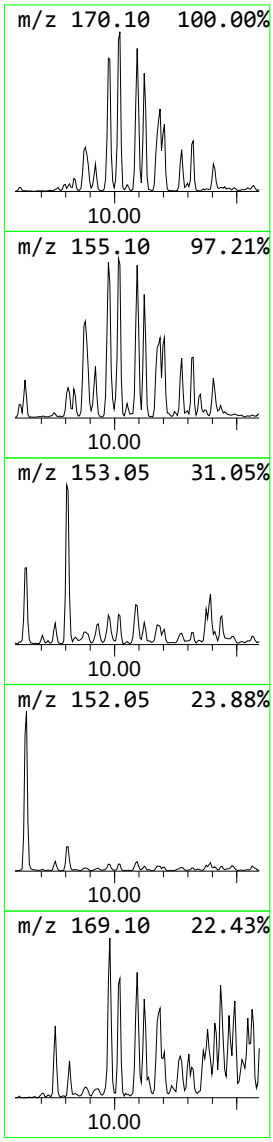
Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.092	18.69 ng	581703	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-3(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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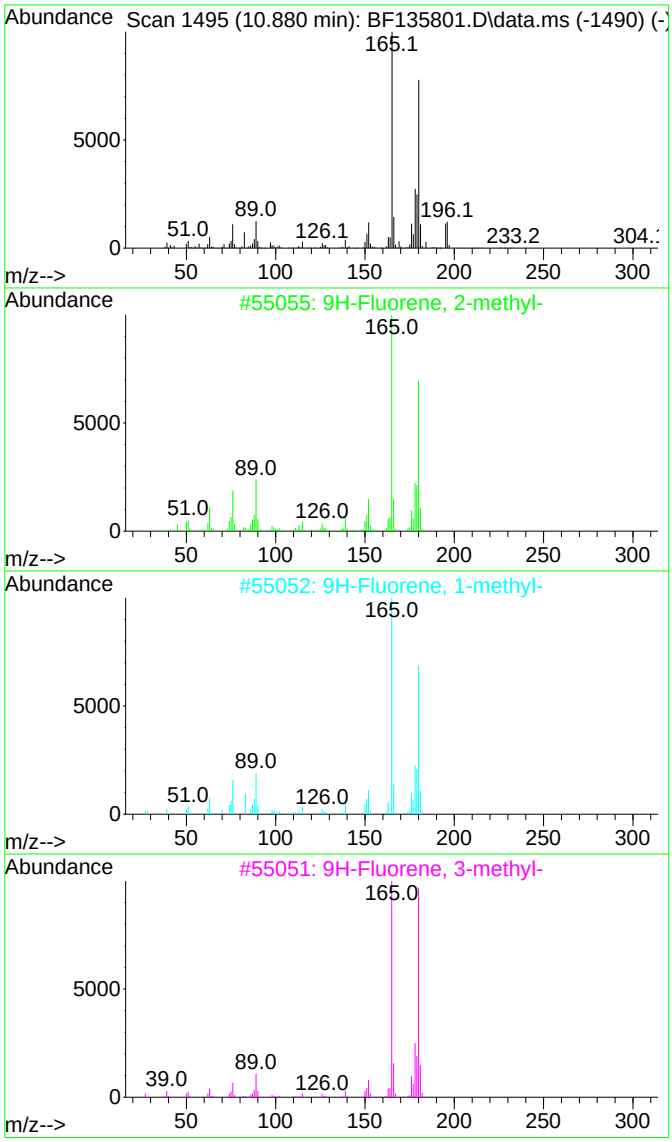
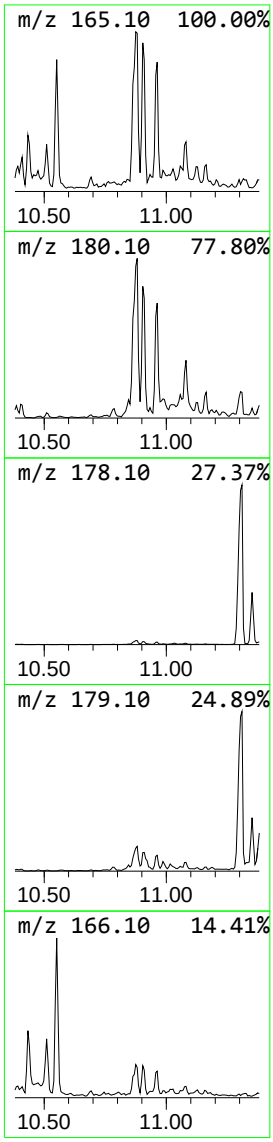
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.880	25.91 ng	788880	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	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





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Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-3(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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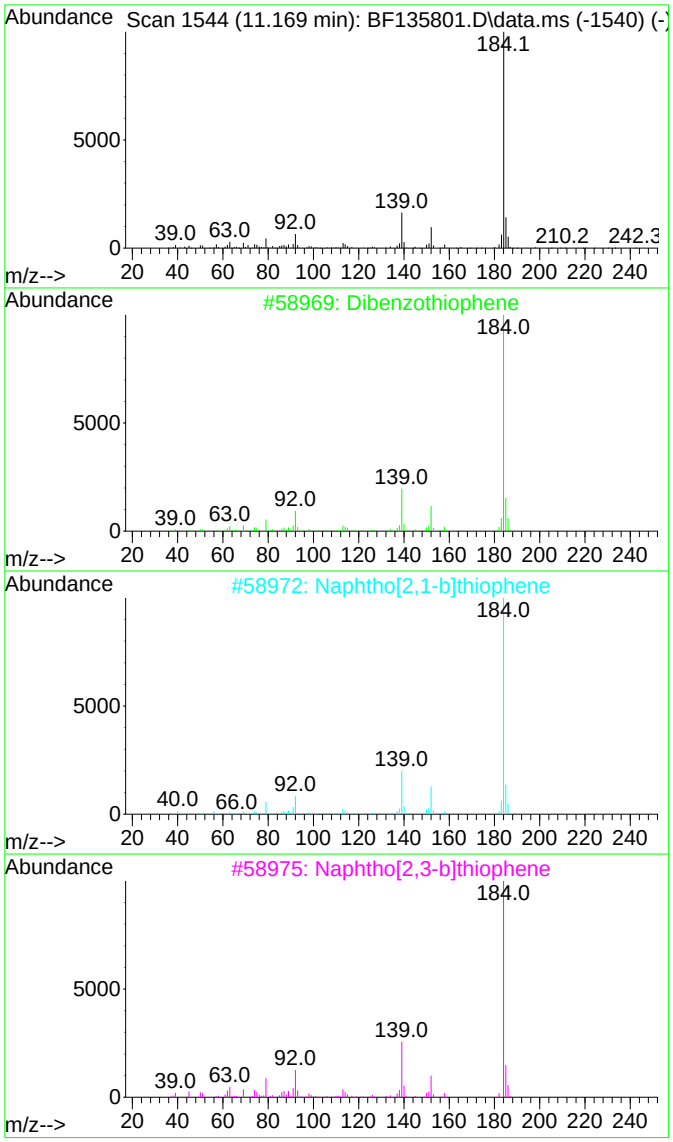
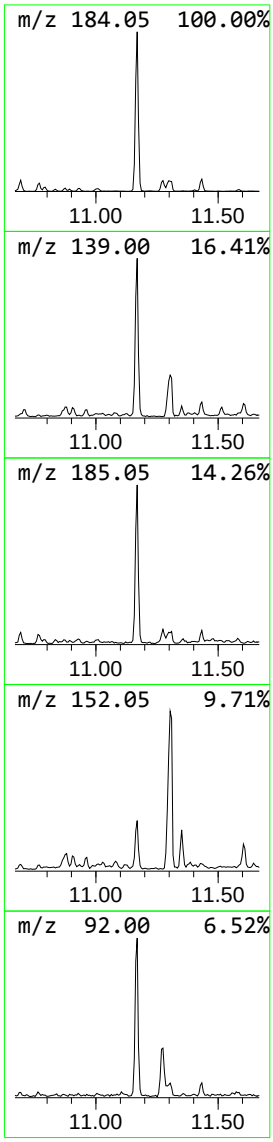
Peak Number 8 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	41.89 ng	1275420	Phenanthrene-d10	11.275

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	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
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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Acq On : 17 Oct 2023 04:00
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Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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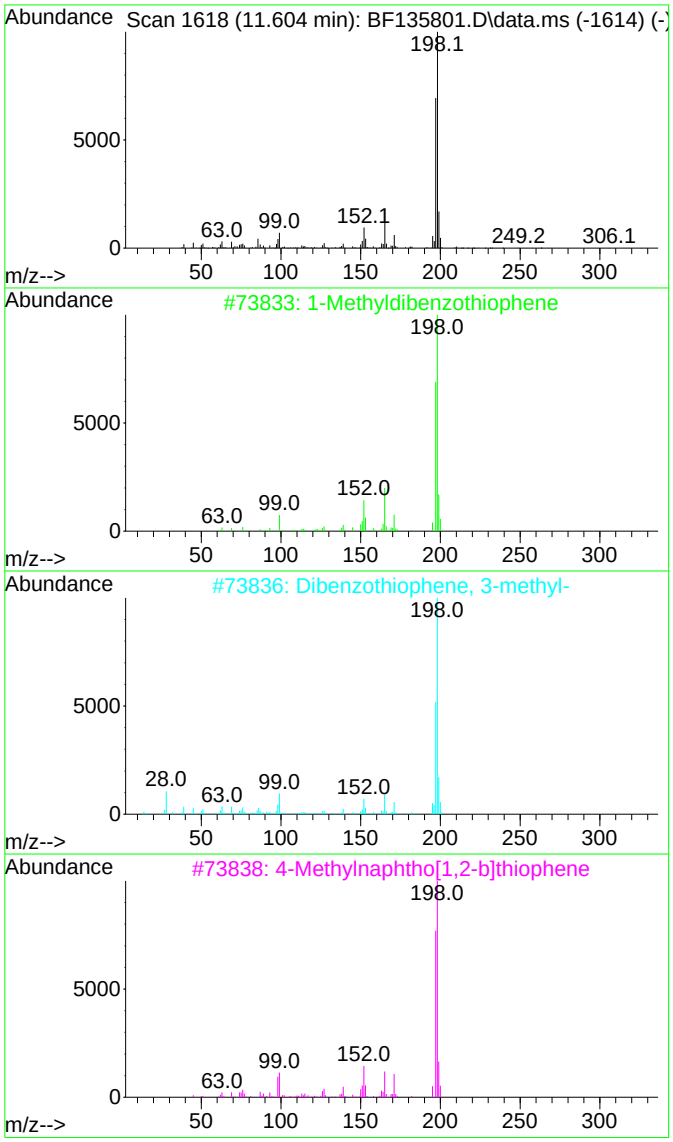
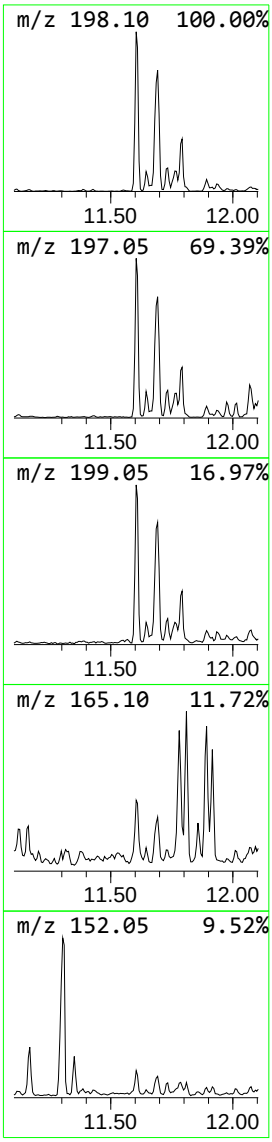
Peak Number 9 1-Methyldibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	31.29 ng	952751	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93





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Operator : CG\JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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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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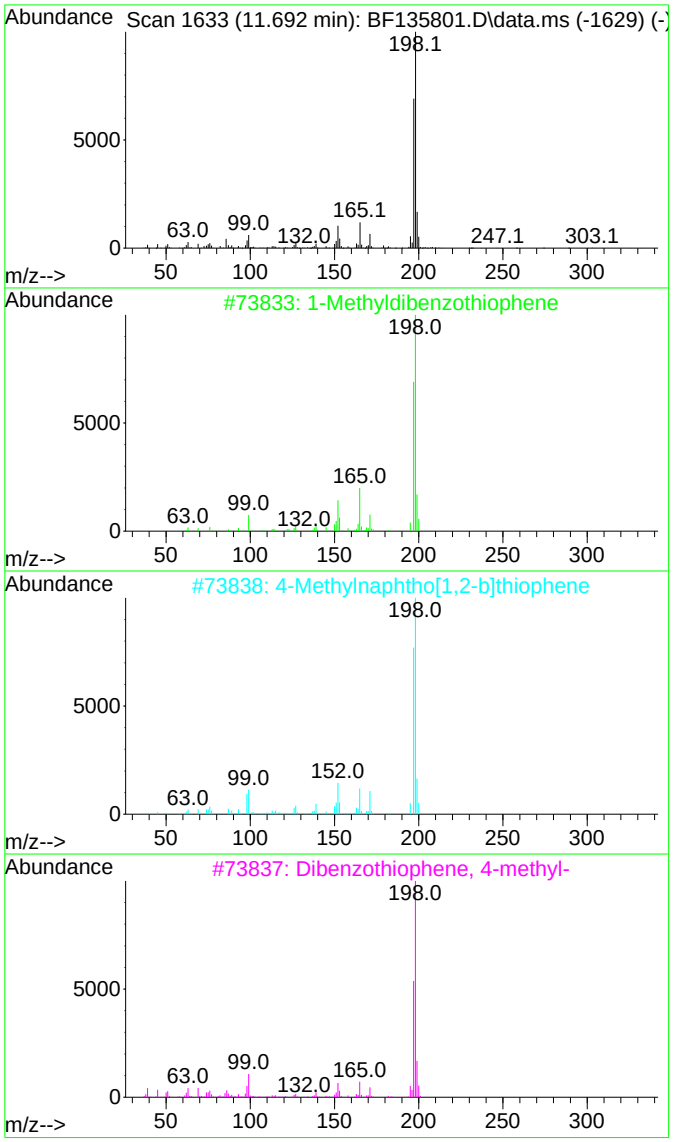
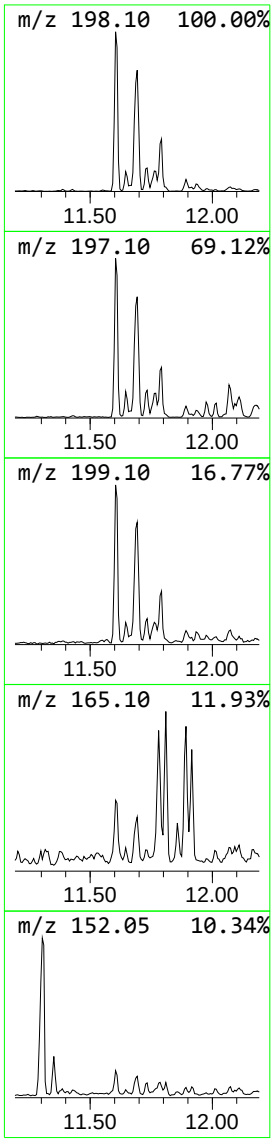
Peak Number 10 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	23.37 ng	711498	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	97
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91





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Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R-3(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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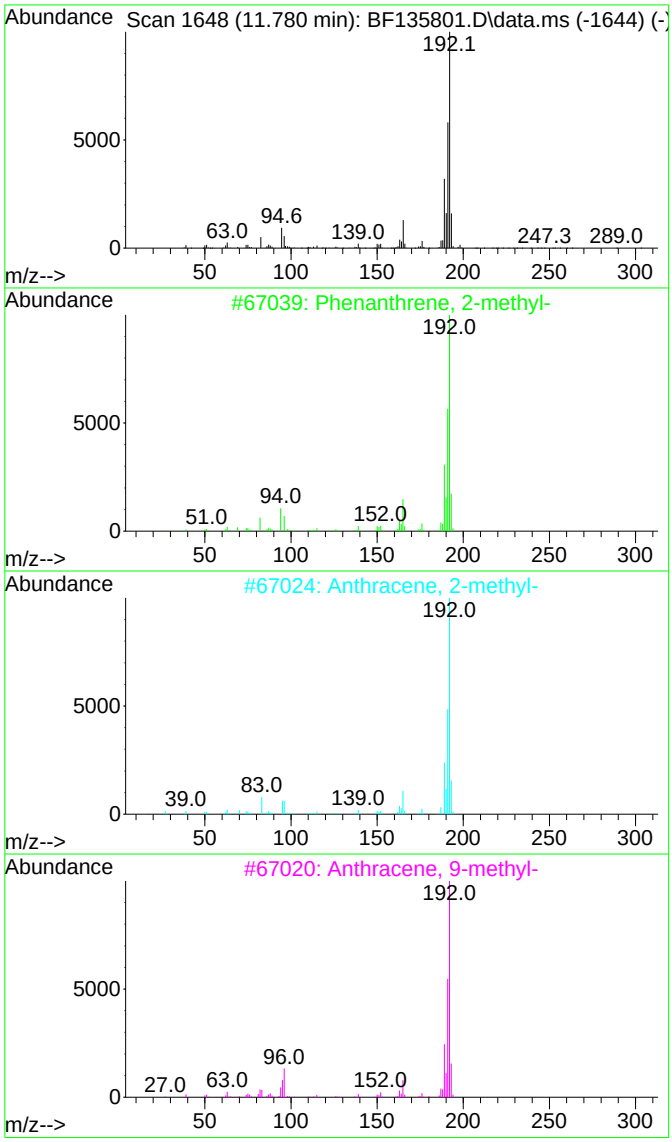
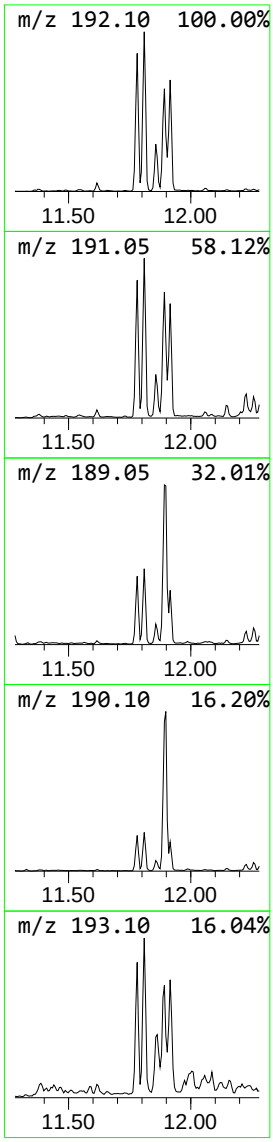
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	53.55 ng	1630500	Phenanthrene-d10	11.275

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	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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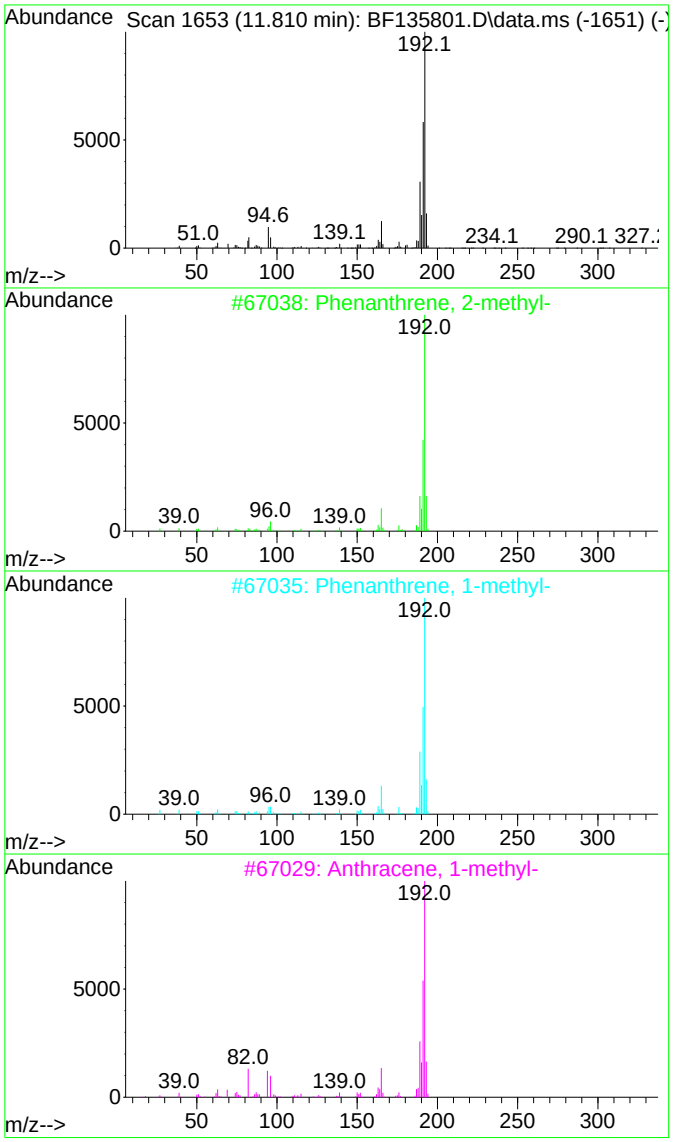
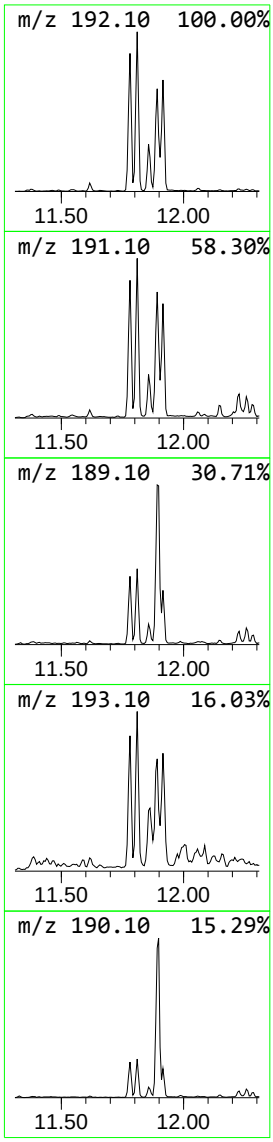
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	47.33 ng	1440930	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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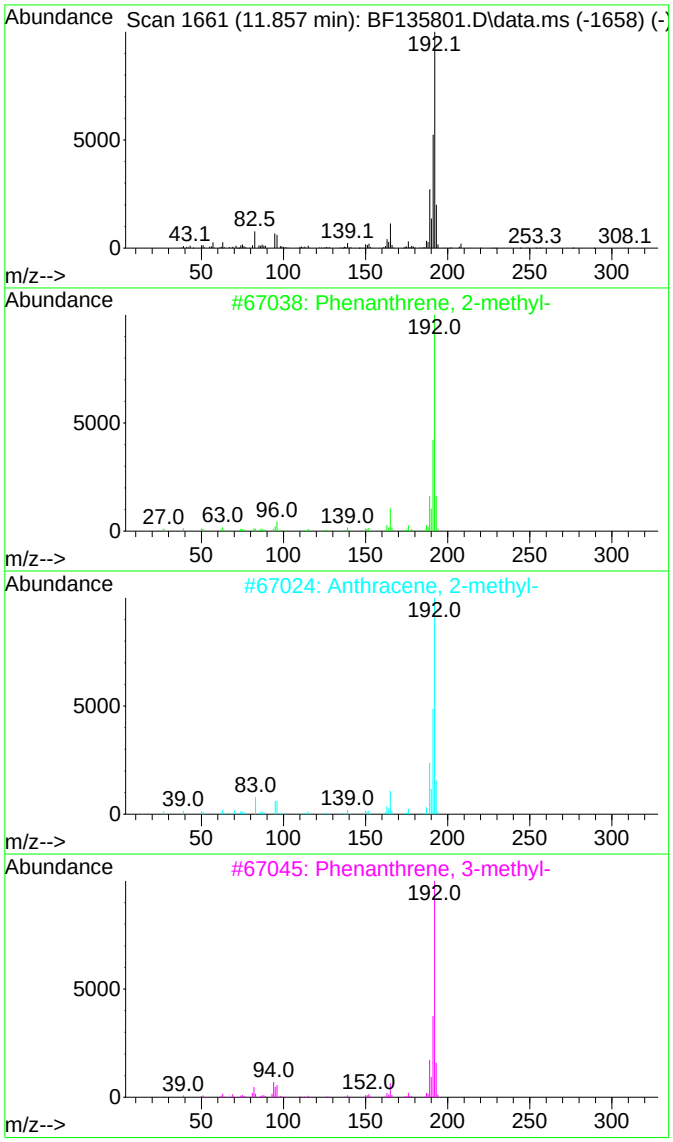
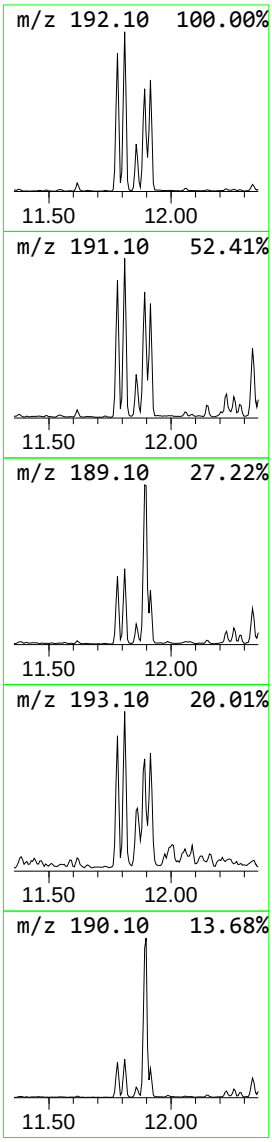
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	16.54 ng	503712	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId :
R-3(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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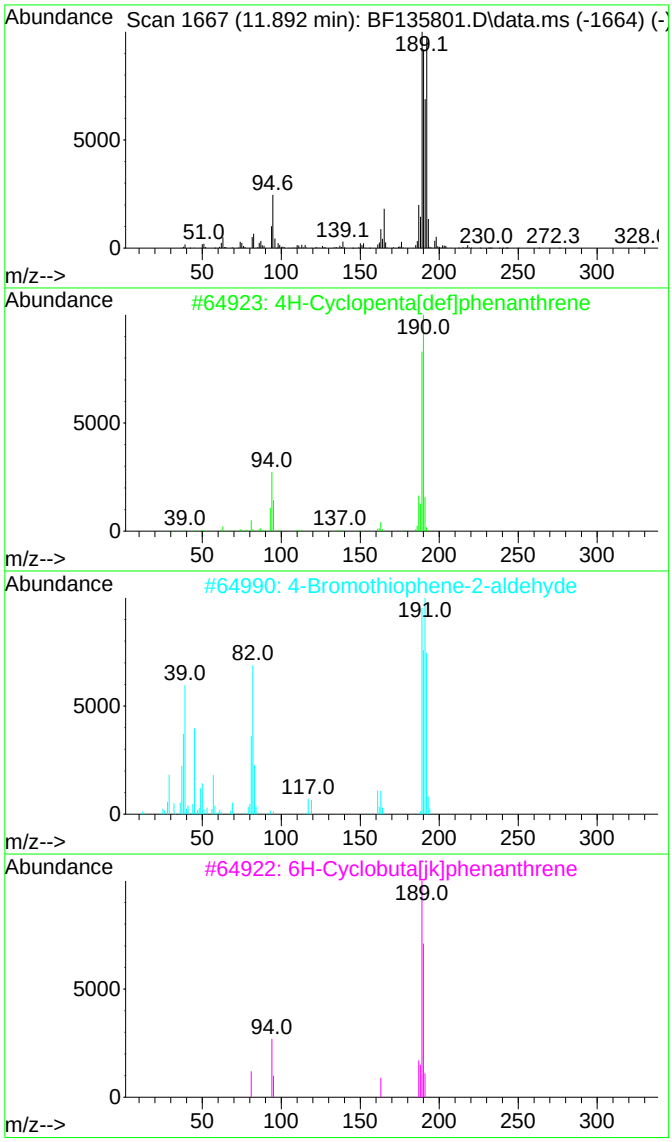
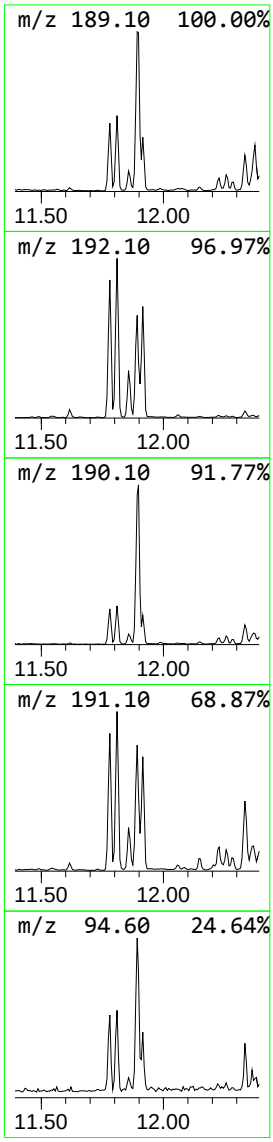
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	69.54 ng	2117350	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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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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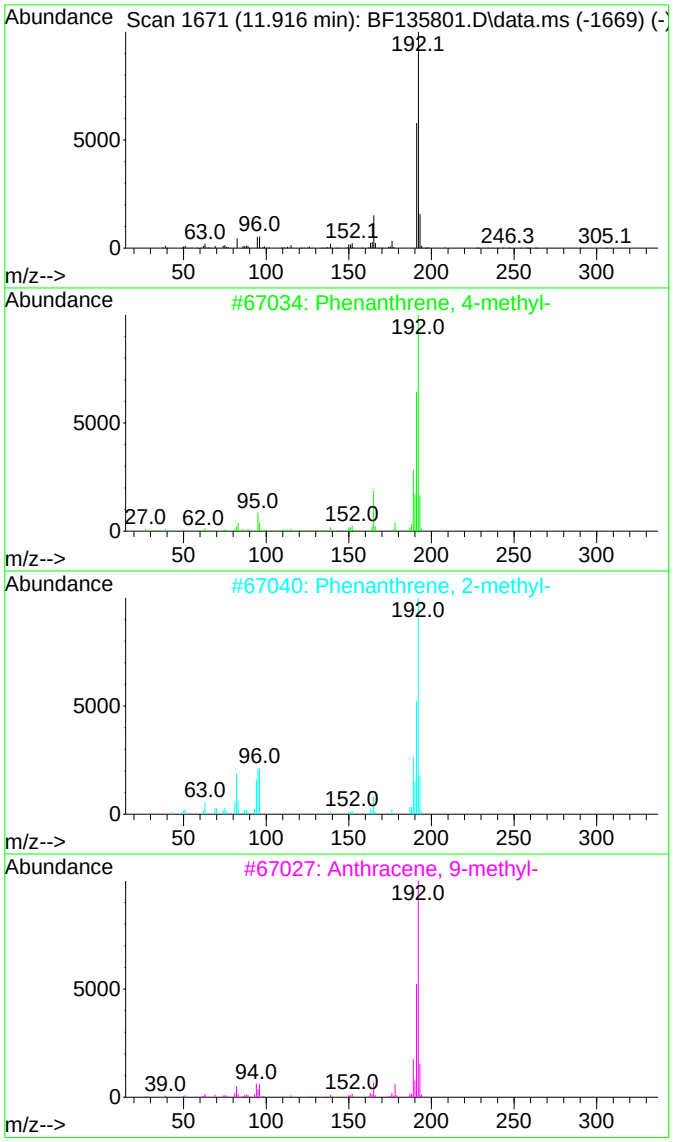
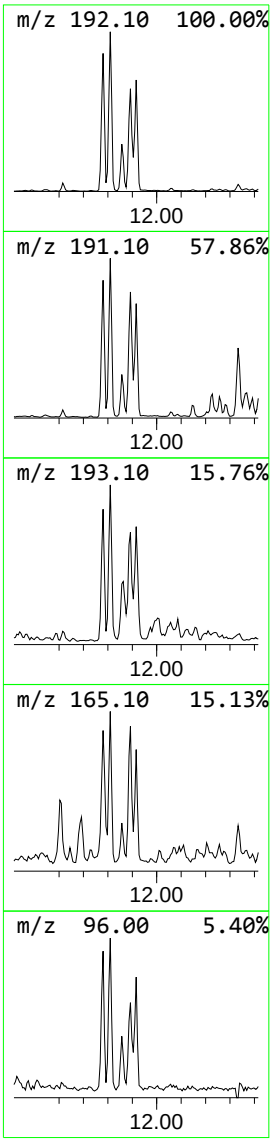
Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	29.63 ng	901997	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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Sample : 04704-04 5X
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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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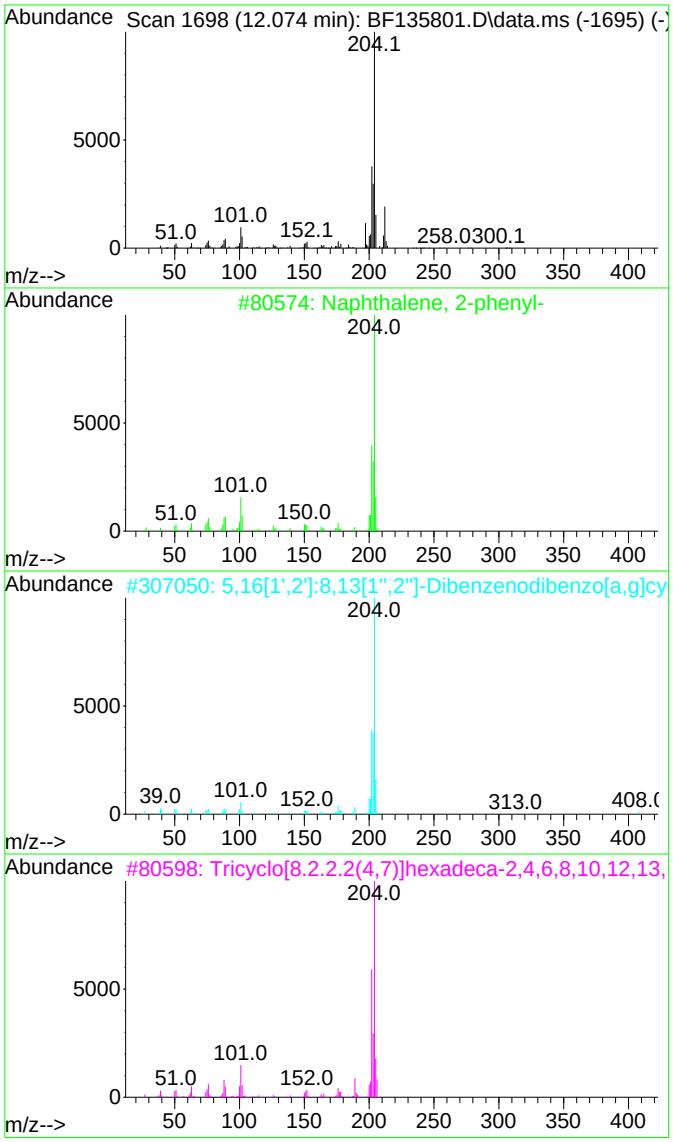
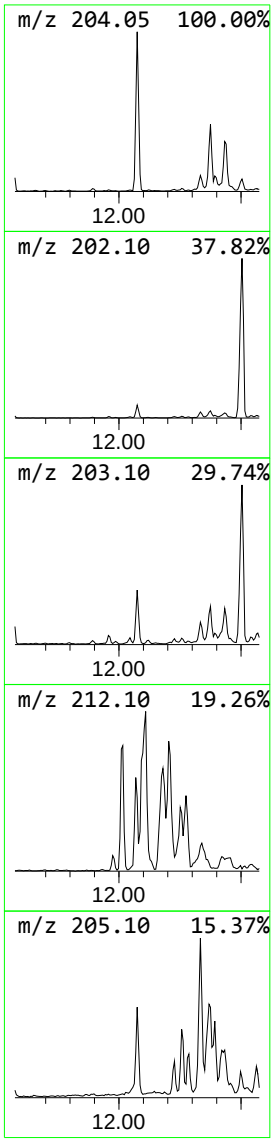
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	24.39 ng	742725	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46





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Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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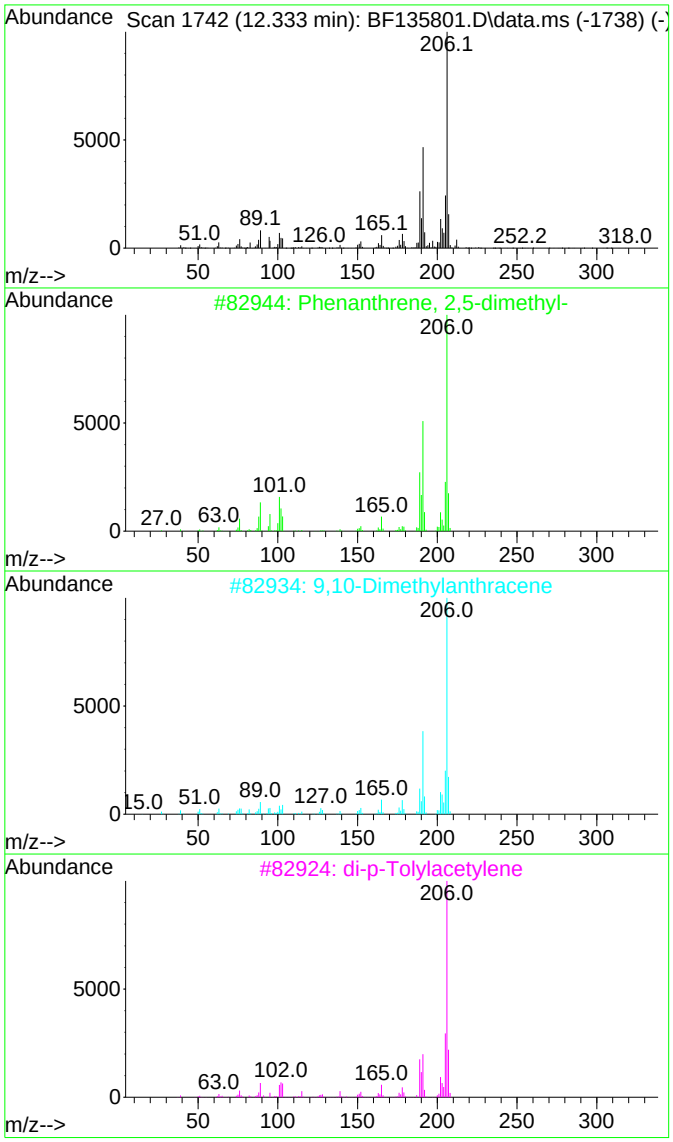
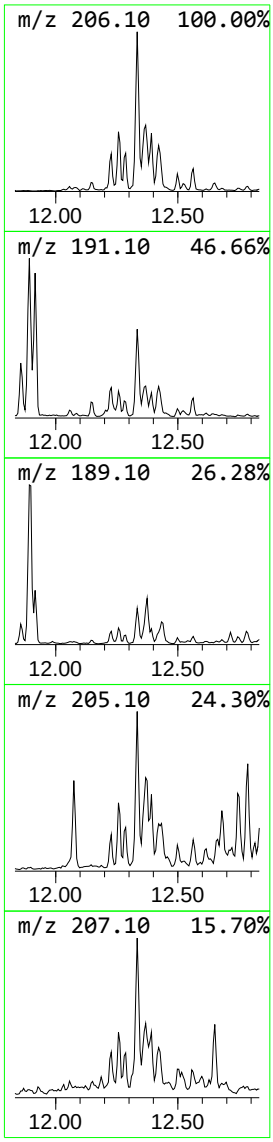
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	41.20 ng	1254450	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





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Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(10-15)

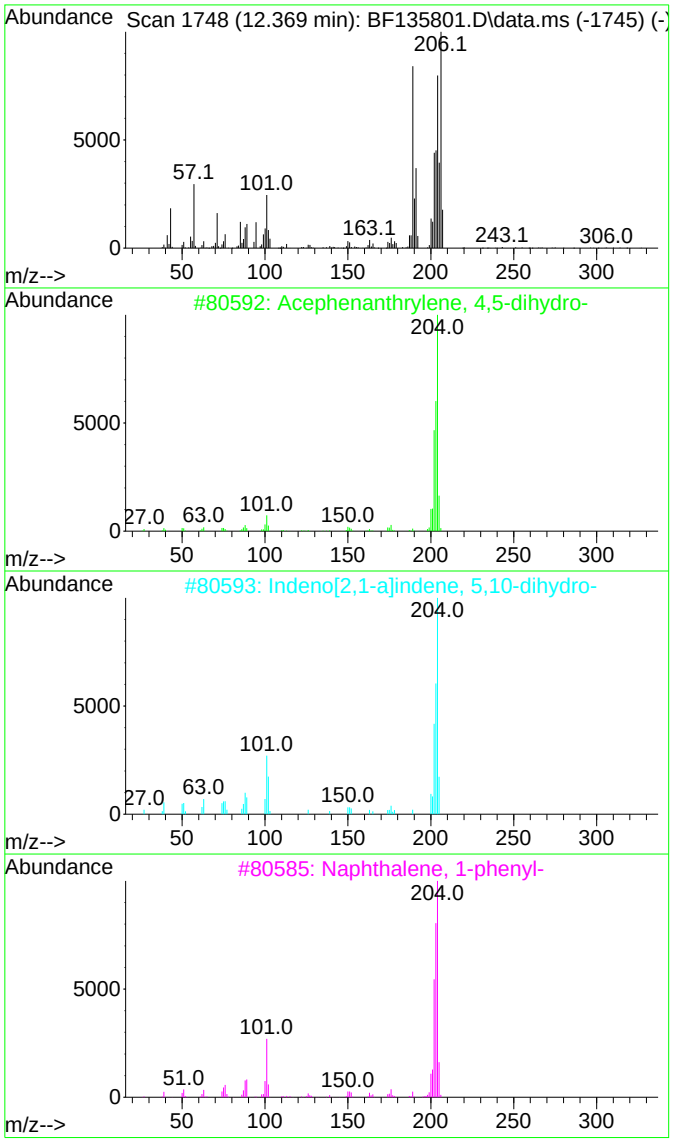
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

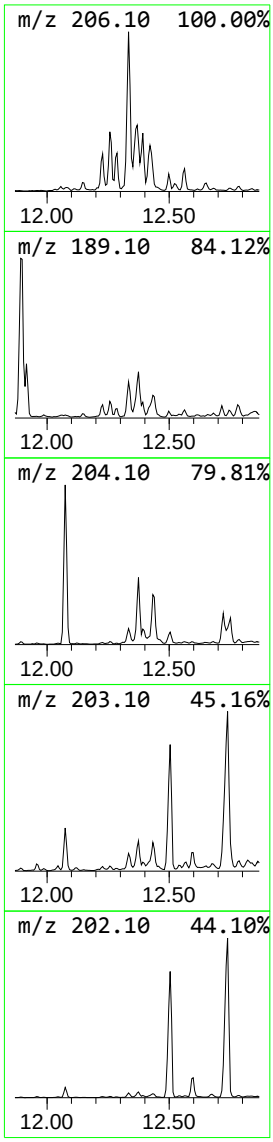
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Acephenanthrylene, 4,5-dihy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	30.36 ng	924259	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	74
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	51
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38





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Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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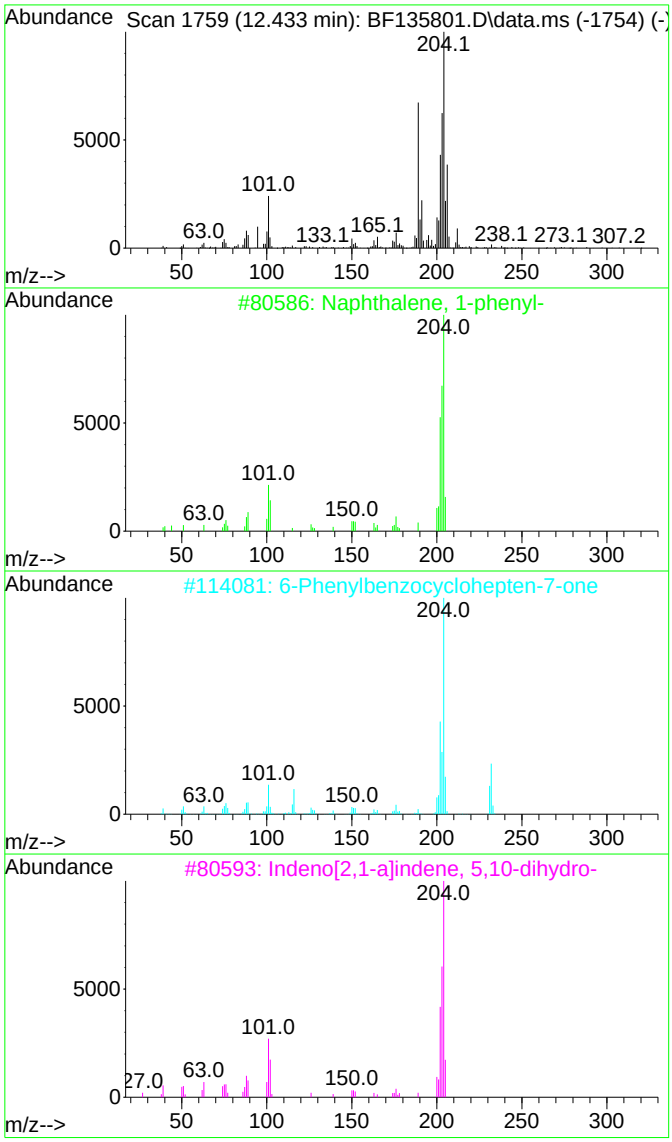
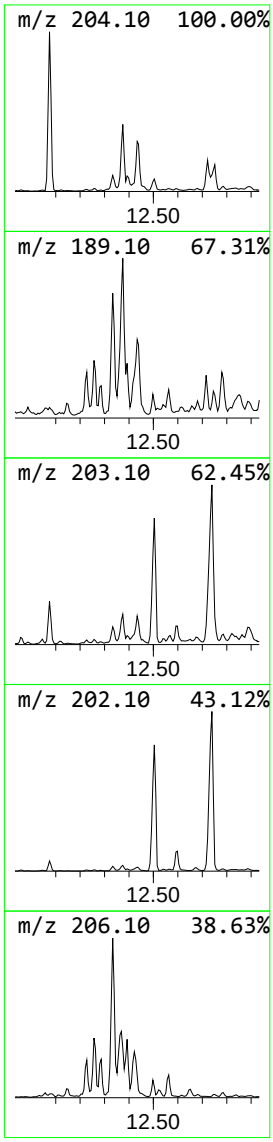
Peak Number 19 Naphthalene, 1-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	21.18 ng	644766	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	55
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	50
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49
5	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	46





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Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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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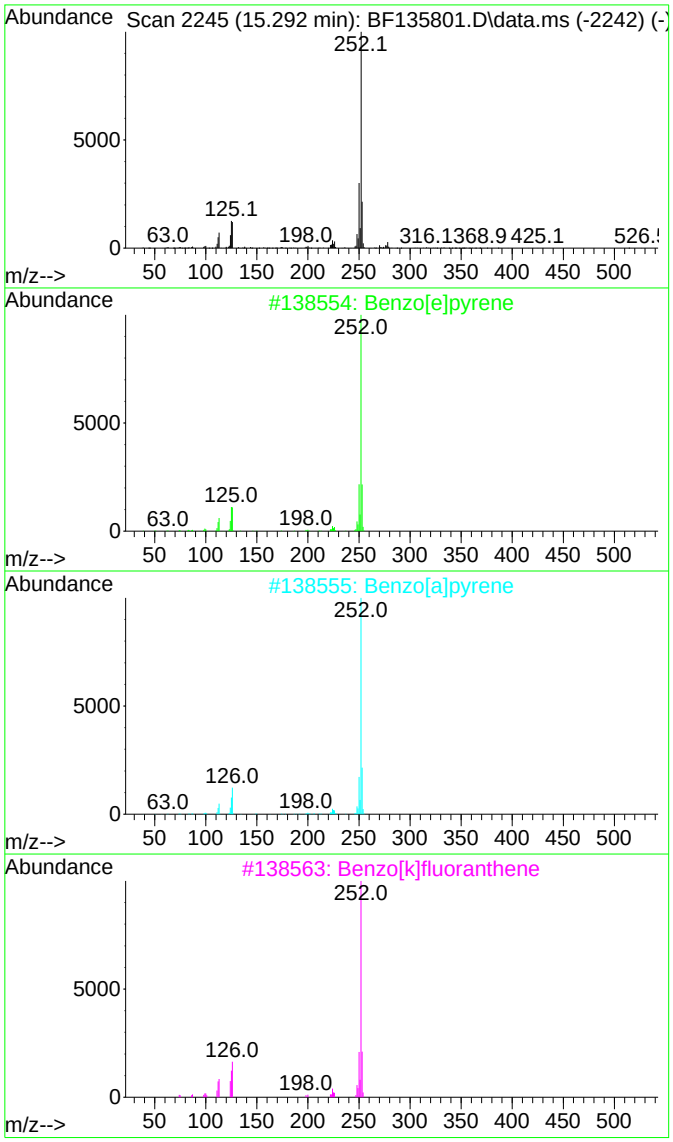
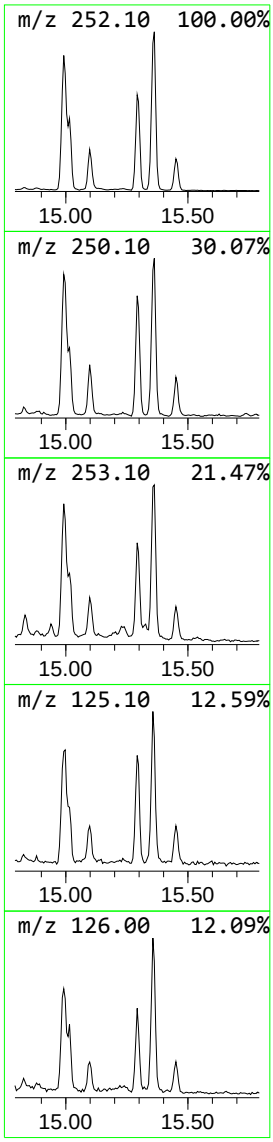
Peak Number 20 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.292	33.13 ng	560878	Perylene-d12	15.421

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	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(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, 2-...	9.292	19.1	ng	594874	3	9.775	622493	20.0
Naphthalene, 1,...	9.363	48.8	ng	1519990	3	9.775	622493	20.0
Naphthalene, 1,...	9.433	59.8	ng	1860130	3	9.775	622493	20.0
Naphthalene, 2,...	9.463	32.3	ng	1005760	3	9.775	622493	20.0
Naphthalene, 2,...	9.551	32.4	ng	1009280	3	9.775	622493	20.0
Naphthalene, 1,...	10.092	18.7	ng	581703	3	9.775	622493	20.0
9H-Fluorene, 2-...	10.880	25.9	ng	788880	4	11.275	608933	20.0
Dibenzothiophene	11.169	41.9	ng	1275420	4	11.275	608933	20.0
1-Methyldibenzo...	11.604	31.3	ng	952751	4	11.275	608933	20.0
4-Methylnaphtho...	11.692	23.4	ng	711498	4	11.275	608933	20.0
Phenanthrene, 2...	11.780	53.5	ng	1630500	4	11.275	608933	20.0
Phenanthrene, 1...	11.810	47.3	ng	1440930	4	11.275	608933	20.0
Anthracene, 2-m...	11.857	16.5	ng	503712	4	11.275	608933	20.0
4H-Cyclopenta[d...	11.892	69.5	ng	2117350	4	11.275	608933	20.0
Phenanthrene, 4...	11.916	29.6	ng	901997	4	11.275	608933	20.0
Naphthalene, 2-...	12.075	24.4	ng	742725	4	11.275	608933	20.0
Phenanthrene, 2...	12.333	41.2	ng	1254450	4	11.275	608933	20.0
Acephenanthryle...	12.369	30.4	ng	924259	4	11.275	608933	20.0
Naphthalene, 1-...	12.433	21.2	ng	644766	4	11.275	608933	20.0
Benzo[e]pyrene	15.292	33.1	ng	560878	6	15.421	338632	20.0