LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134141.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	572	576	591	rBV	1108225	1004982	17.38%	1.523%
2	6.475	743	746	760	rBV	1074998	1018032	17.61%	1.543%
3	6.846	805	809	816	rBV	771895	620047	10.72%	0.940%
4	7.404	901	904	908	rBV	777618	615047	10.64%	0.932%
5	8.122	1024	1026	1028	rVV	837982	678587	11.74%	1.029%
6	8.145	1028	1030	1033	rVB	301506	223754	3.87%	0.339%
7	8.839	1145	1148	1151	rBV	360492	311066	5.38%	0.472%
8	8.939	1161	1165	1168	rBV	378499	356485	6.17%	0.540%
9	9.198	1206	1209	1214	rVB	1298760	994750	17.20%	1.508%
10	9.469	1250	1255	1258	rBV	232859	302216	5.23%	0.458%
11	9.539	1263	1267	1269	rVV	474031	451797	7.81%	0.685%
12	9.563	1269	1271	1276	rVV	273832	280427	4.85%	0.425%
13	9.657	1284	1287	1292	rVB	244640	257157	4.45%	0.390%
14	9.739	1298	1301	1306	rVB	416595	377571	6.53%	0.572%
15	9.881	1323	1325	1328	rVV	754241	605022	10.46%	0.917%
16	9.916	1328	1331	1334	rVV	1004682	824779	14.26%	1.250%
17	9.986	1340	1343	1347	rBV2	96733	124513	2.15%	0.189%
18	10.086	1356	1360	1364	rVV	611101	573997	9.93%	0.870%
19	10.122	1364	1366	1370	rVB	205898	185396	3.21%	0.281%
20	10.198	1376	1379	1382	rBV2	220550	233976	4.05%	0.355%
21	10.228	1382	1384	1386	rVV	166882	126920	2.20%	0.192%
22	10.292	1390	1395	1396	rBV2	133673	176164	3.05%	0.267%
23	10.381	1405	1410	1412	rBV3	100649	124466	2.15%	0.189%
24	10.434	1416	1419	1425	rVV	1408734	1224055	21.17%	1.855%
25	10.498	1425	1430	1431	rVV2	157397	190792	3.30%	0.289%
26	10.516	1431	1433	1436	rVV2	165854	172915	2.99%	0.262%
27	10.592	1443	1446	1449	rVB2	229117	251203	4.34%	0.381%
28	10.675	1454	1460	1464	rBV2	764350	766384	13.25%	1.162%
29	10.798	1476	1481	1487	rVB3	180598	223425	3.86%	0.339%
30	10.981	1508	1512	1515	rBV2	306807	374526	6.48%	0.568%
31	11.010	1515	1517	1520	rVV	248468	202761	3.51%	0.307%
32	11.069	1524	1527	1529	rVB	200291	181076	3.13%	0.274%
33	11.110	1529	1534	1536	rBV3	108700	160382	2.77%	0.243%
34	11.228	1550	1554	1558	rVV2	107471	179389	3.10%	0.272%
35	11.275	1558	1562	1567	rVB	519589	508819	8.80%	0.771%
36	11.381	1576	1580	1581	rBV	586426	558773	9.66%	0.847%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.410	1581	1585	1588	rVV	4775796	4885980	84.50%	7.406%
38	11.457	1588	1593	1596	rVV	1586758	1397200	24.16%	2.118%
39	11.486	1596	1598	1601	rVV	286200	310036	5.36%	0.470%
40	11.533	1604	1606	1608	rVV	121179	128509	2.22%	0.195%
41	11.610	1612	1619	1627	rVV	628560	864611	14.95%	1.311%
42	11.675	1627	1630	1632	rVV2	172491	160152	2.77%	0.243%
43	11.710	1634	1636	1640	rVB2	293175	250048	4.32%	0.379%
44	11.792	1647	1650	1655	rVB	219679	253197	4.38%	0.384%
45	11.886	1662	1666	1668	rVV	966023	991789	17.15%	1.503%
46	11.910	1668	1670	1674	rVV	1245091	1175033	20.32%	1.781%
47	11.963	1675	1679	1681	rVV	368159	367479	6.36%	0.557%
48	11.998	1681	1685	1687	rVV2	1632504	1748089	30.23%	2.650%
49	12.022	1687	1689	1693	rVB	767271	629692	10.89%	0.954%
50	12.080	1697	1699	1703	rVV2	94476	140798	2.44%	0.213%
51	12.116	1703	1705	1708	rVV2	170754	143856	2.49%	0.218%
52	12.180	1713	1716	1718	rVV	625624	573079	9.91%	0.869%
53	12.210	1718	1721	1726	rVB	431307	425170	7.35%	0.644%
54	12.328	1739	1741	1744	rVV	223856	210492	3.64%	0.319%
55	12.363	1744	1747	1749	rVV	380302	350923	6.07%	0.532%
56	12.386	1749	1751	1754	rVB2	290950	225575	3.90%	0.342%
57	12.439	1756	1760	1762	rBV	794026	885212	15.31%	1.342%
58	12.475	1762	1766	1768	rVV2	530140	743898	12.87%	1.128%
59	12.492	1768	1769	1772	rVB	239347	178756	3.09%	0.271%
60	12.527	1772	1775	1779	rBV2	312194	486691	8.42%	0.738%
61	12.610	1784	1789	1792	rBV	4782536	5379333	93.04%	8.154%
62	12.645	1792	1795	1797	rVV	179733	199845	3.46%	0.303%
63	12.663	1797	1798	1801	rVV2	224016	179104	3.10%	0.271%
64	12.698	1801	1804	1807	rVV2	194930	171121	2.96%	0.259%
65	12.751	1808	1813	1817	rVV3	291582	422622	7.31%	0.641%
66	12.839	1822	1828	1833	rBV	4153873	5782045	100.00%	8.764%
67	12.886	1833	1836	1840	rVB2	369350	432054	7.47%	0.655%
68	12.951	1840	1847	1848	rBV2	338482	438816	7.59%	0.665%
69	12.975	1848	1851	1858	rVB2	1148107	1342446	23.22%	2.035%
70	13.045	1859	1863	1868	rBV2	409885	678761	11.74%	1.029%
71	13.139	1876	1879	1880	rVV2	406535	409416	7.08%	0.621%
72	13.163	1880	1883	1886	rVB	1103476	1066129	18.44%	1.616%
73	13.204	1886	1890	1892	rBV4	170709	231795	4.01%	0.351%
74	13.233	1892	1895	1897	rVV	928462	875767	15.15%	1.327%
75	13.269	1897	1901	1904	rVV2	768376	840073	14.53%	1.273%
76	13.322	1908	1910	1913	rVV2	105298	125477	2.17%	0.190%

LSC Area Percent Report

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Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.363	1914	1917	1919	rVV	518815	453901	7.85%	0.688%
78	13.392	1919	1922	1925	rVV	442288	383076	6.63%	0.581%
79	13.651	1963	1966	1968	rBV	168581	212525	3.68%	0.322%
80	13.786	1984	1989	1992	rBV2	420202	613995	10.62%	0.931%
81	13.816	1992	1994	1996	rVV	394749	325966	5.64%	0.494%
82	13.839	1996	1998	2004	rVV3	274468	483991	8.37%	0.734%
83	13.886	2004	2006	2010	rVB3	199745	204944	3.54%	0.311%
84	13.957	2016	2018	2024	rVB2	144560	208320	3.60%	0.316%
85	14.033	2025	2031	2035	rBV2	1862959	2753887	47.63%	4.174%
86	14.069	2035	2037	2044	rVB	1686428	1747937	30.23%	2.649%
87	14.151	2048	2051	2053	rVB	312742	250829	4.34%	0.380%
88	14.192	2055	2058	2059	rBV	152403	166702	2.88%	0.253%
89	14.433	2094	2099	2102	rBV	405990	440440	7.62%	0.668%
90	14.463	2102	2104	2107	rVB	242675	198973	3.44%	0.302%
91	14.557	2117	2120	2122	rVV2	330491	270830	4.68%	0.411%
92	14.580	2122	2124	2127	rVB	203617	169711	2.94%	0.257%
93	15.110	2209	2214	2217	rBV	830701	1418348	24.53%	2.150%
94	15.216	2229	2232	2235	rBV	203063	218870	3.79%	0.332%
95	15.421	2263	2267	2273	rVB	574350	762754	13.19%	1.156%
96	15.486	2274	2278	2284	rVV	930271	1288376	22.28%	1.953%
97	15.551	2285	2289	2292	rVV	333347	493420	8.53%	0.748%
98	15.580	2292	2294	2302	rVB2	240829	351171	6.07%	0.532%
99	17.104	2548	2553	2563	rVB2	257498	582124	10.07%	0.882%
100	17.574	2629	2633	2643	rVB2	193596	408633	7.07%	0.619%

Sum of corrected areas: 65972443

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
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Operator : CG\JU
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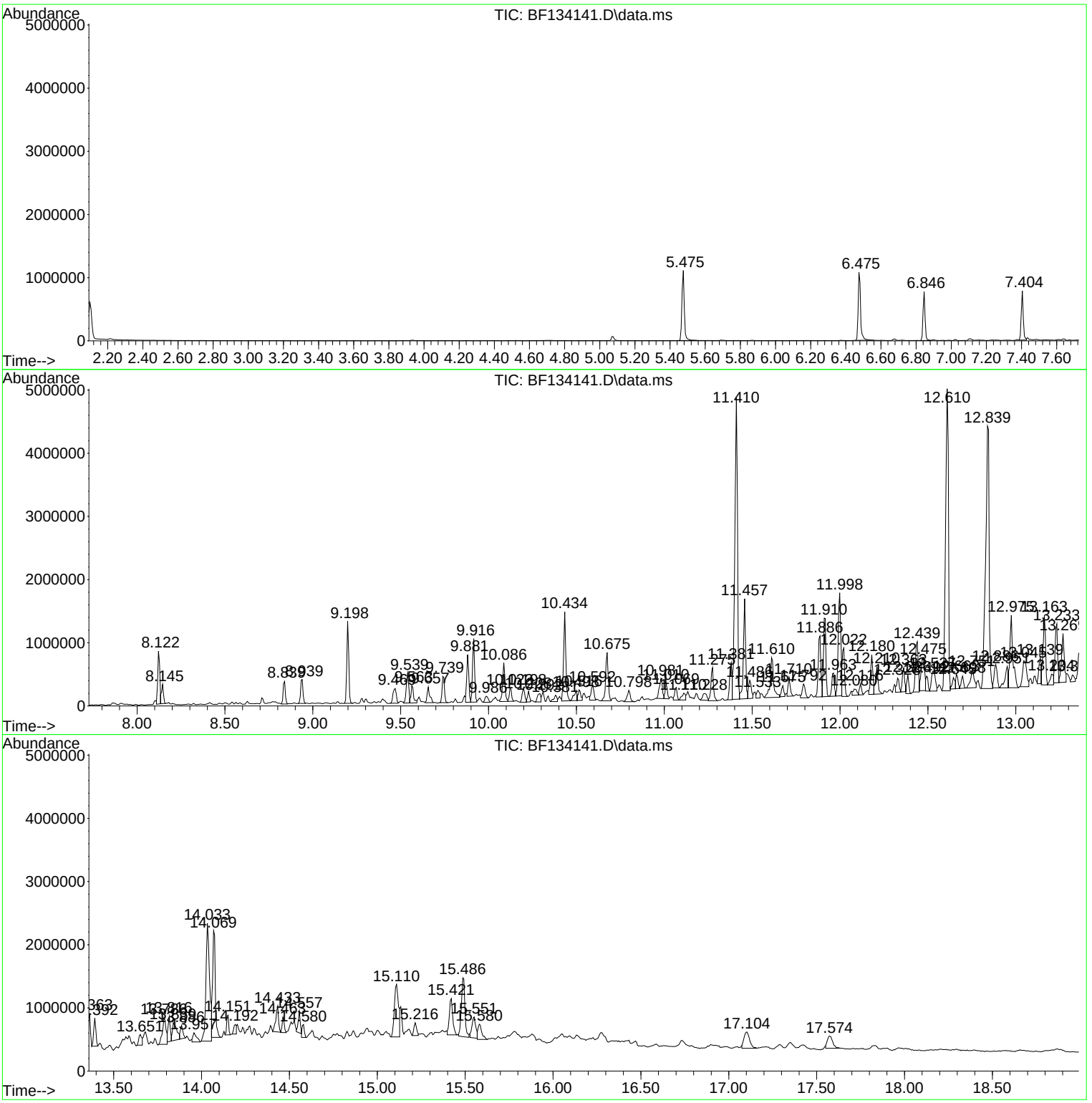
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
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Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

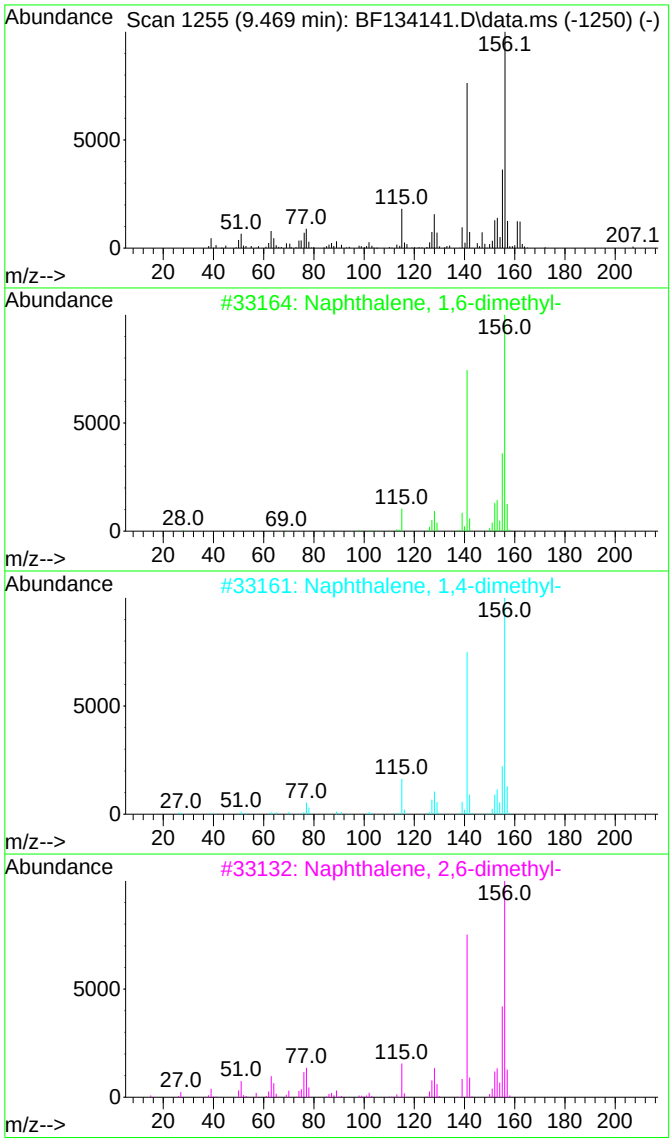
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

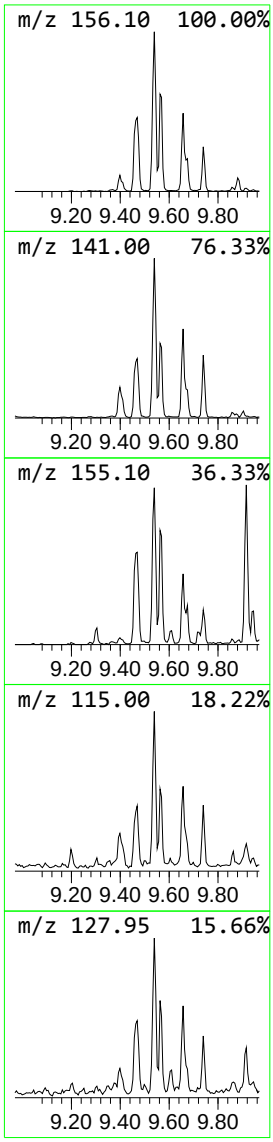
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.469	9.99 ng	302216	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

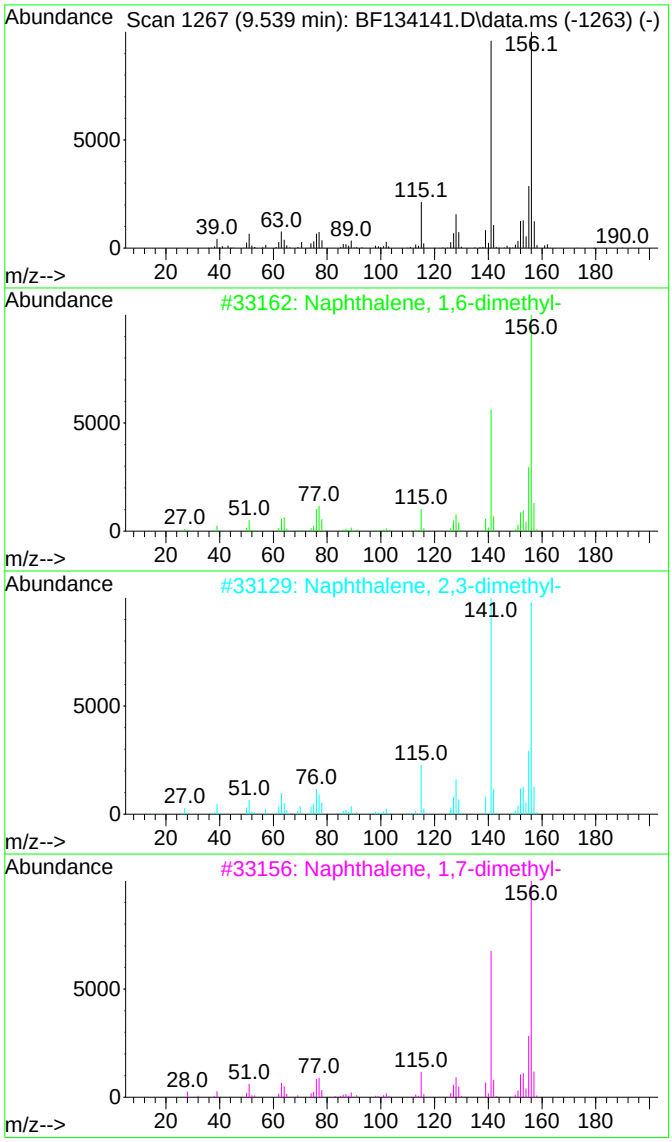
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

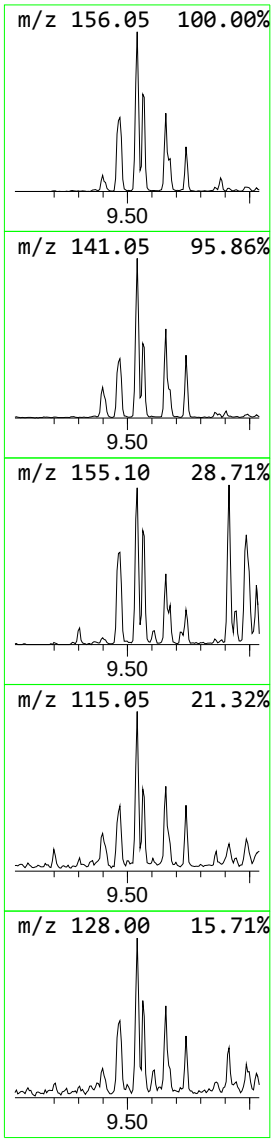
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.539	14.93 ng	451797	Acenaphthene-d10	9.881

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, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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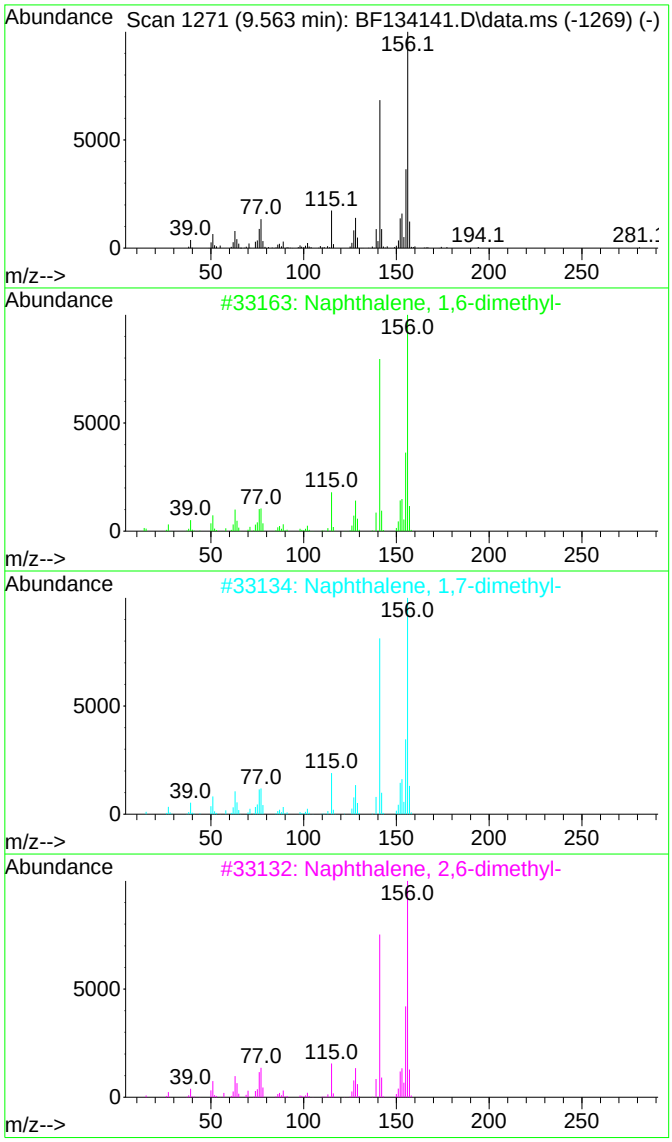
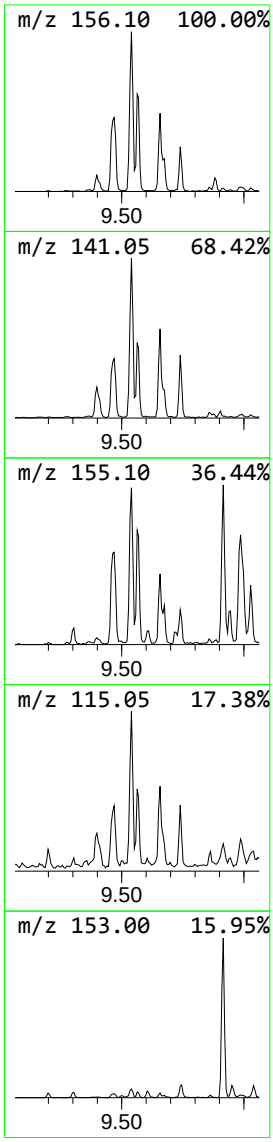
Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	9.27 ng	280427	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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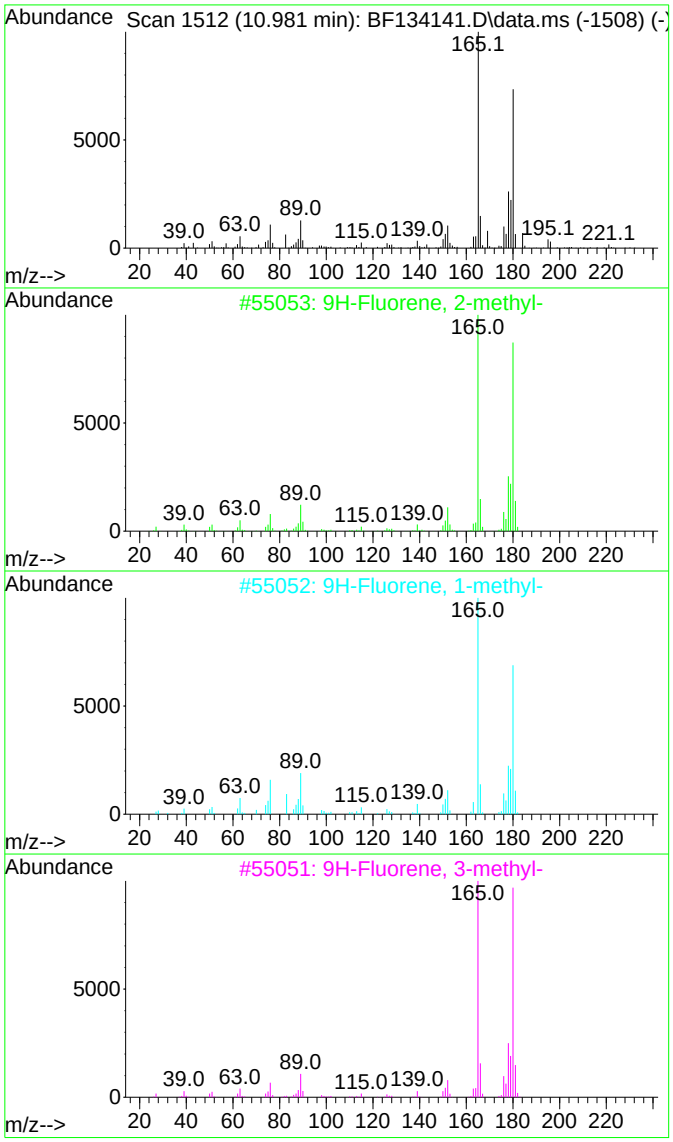
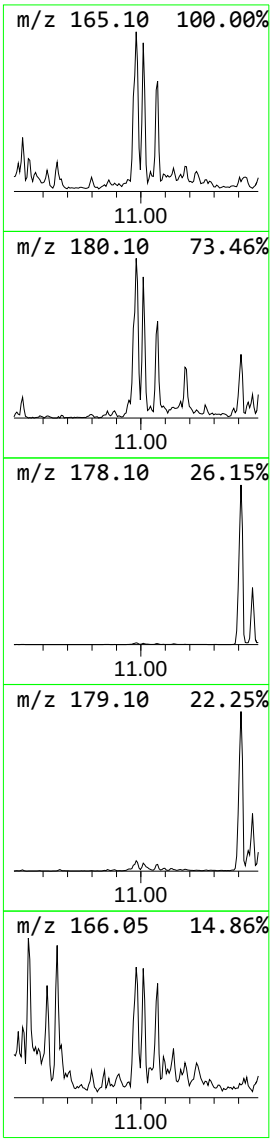
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.980	13.41 ng	374526	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	80
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

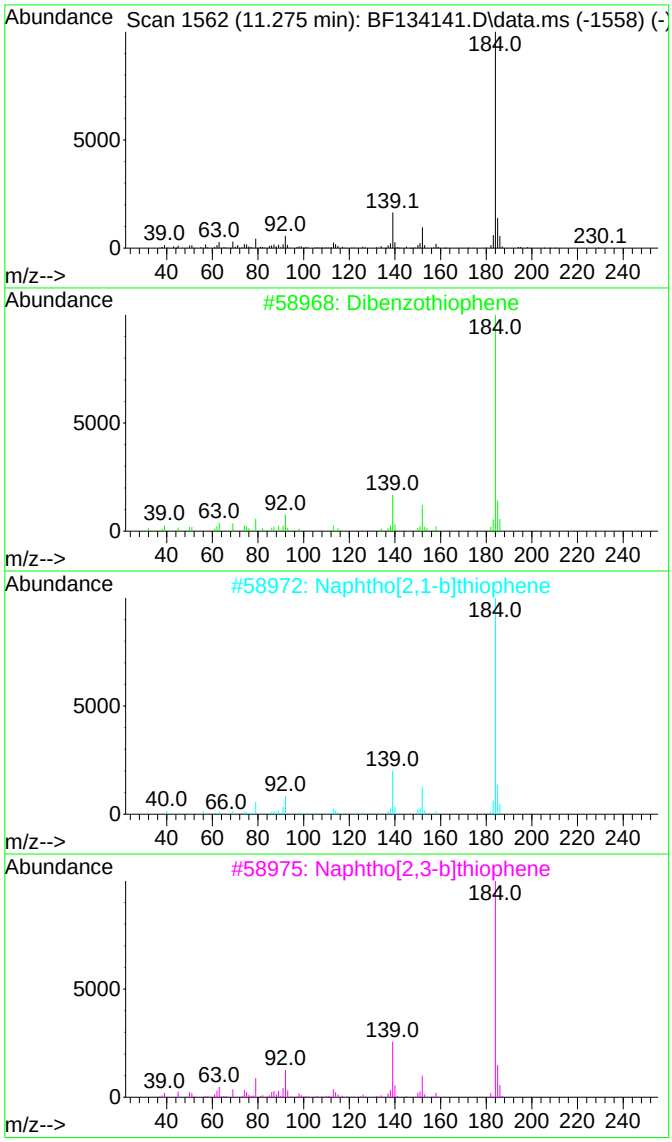
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

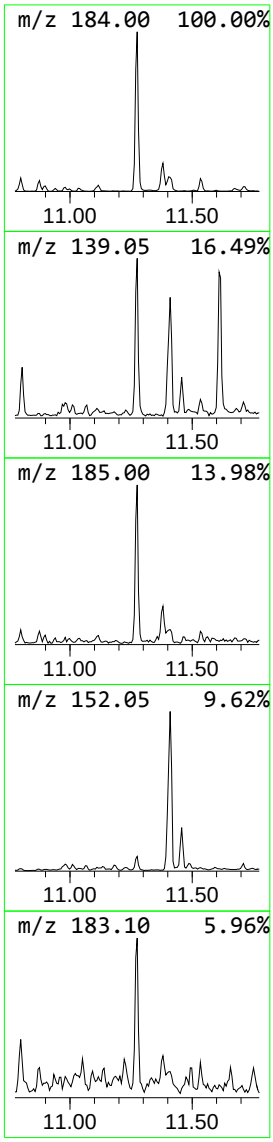
****

Peak Number 5 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	18.21 ng	508819	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-2-063023

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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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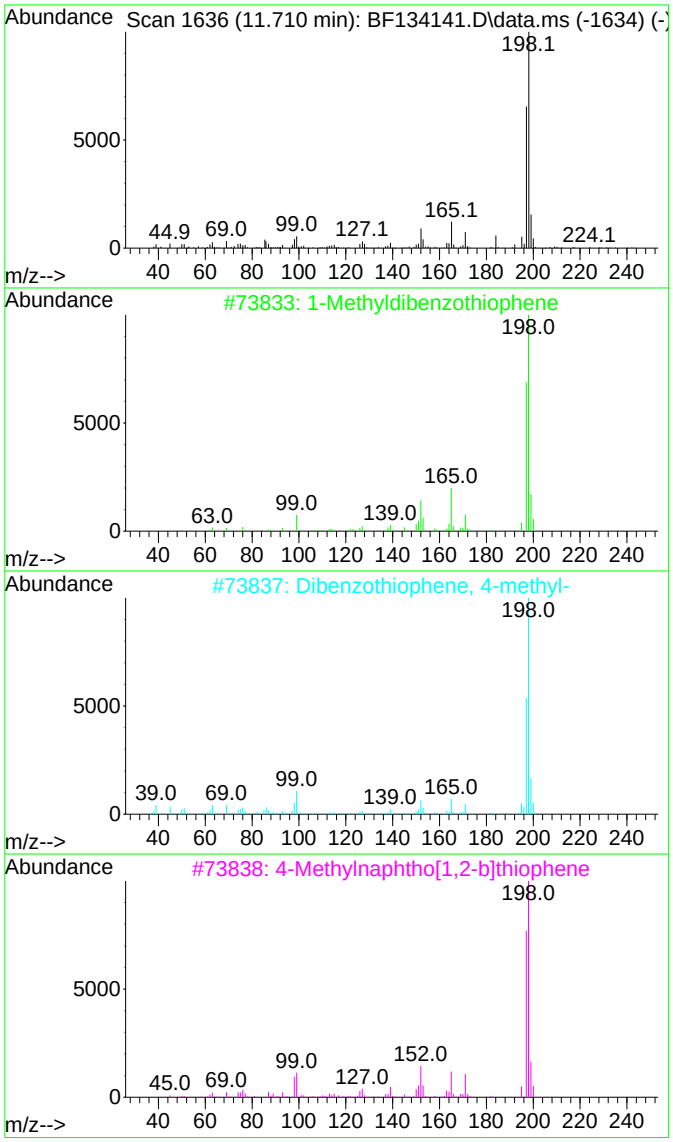
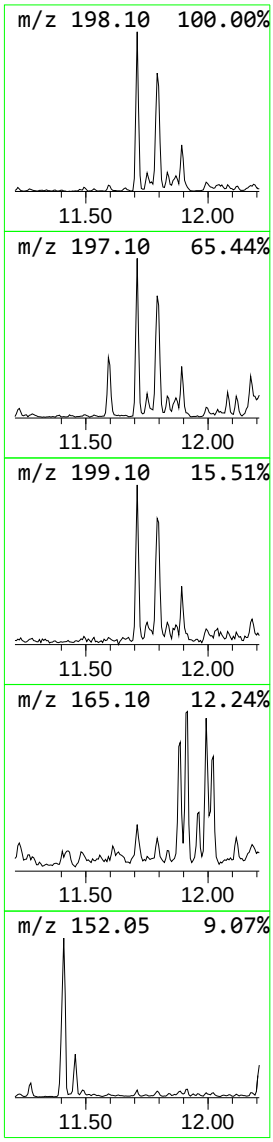
Peak Number 6 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.710	8.95 ng	250048	Phenanthrene-d10	11.381

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	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93





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Sample : 03497-01 2X
Misc :
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ClientSampleId :
OK-2-063023

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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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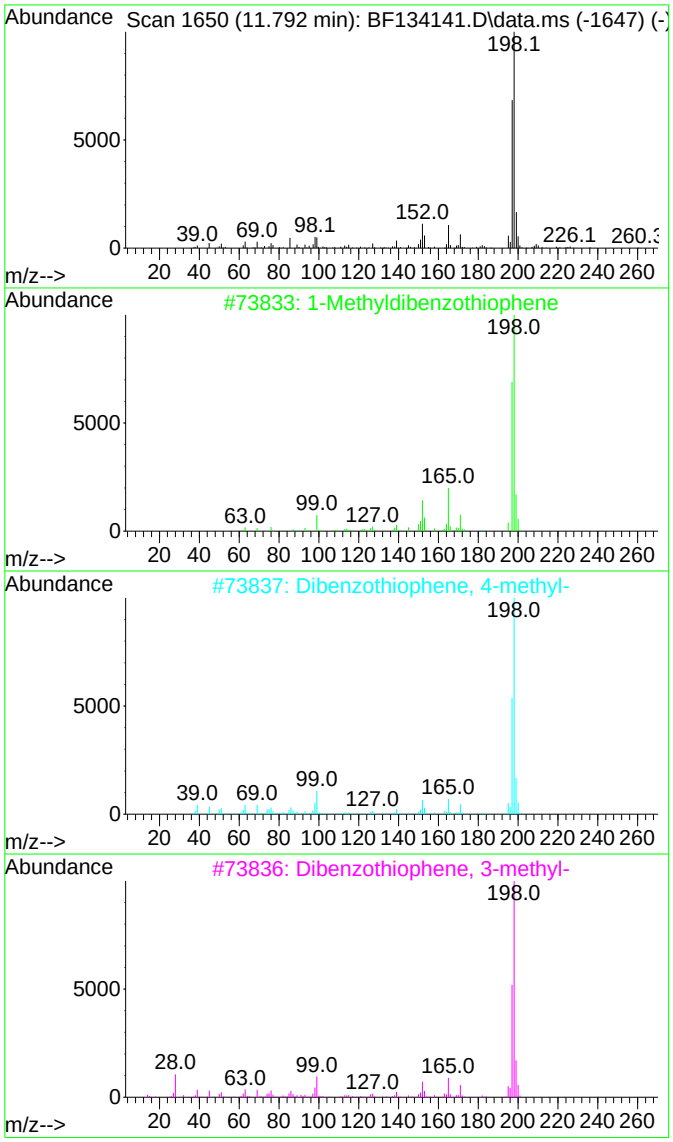
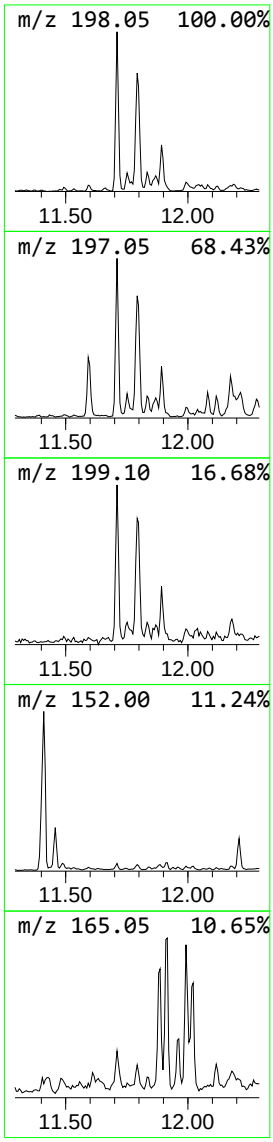
Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	9.06 ng	253197	Phenanthrene-d10	11.381

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	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90





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Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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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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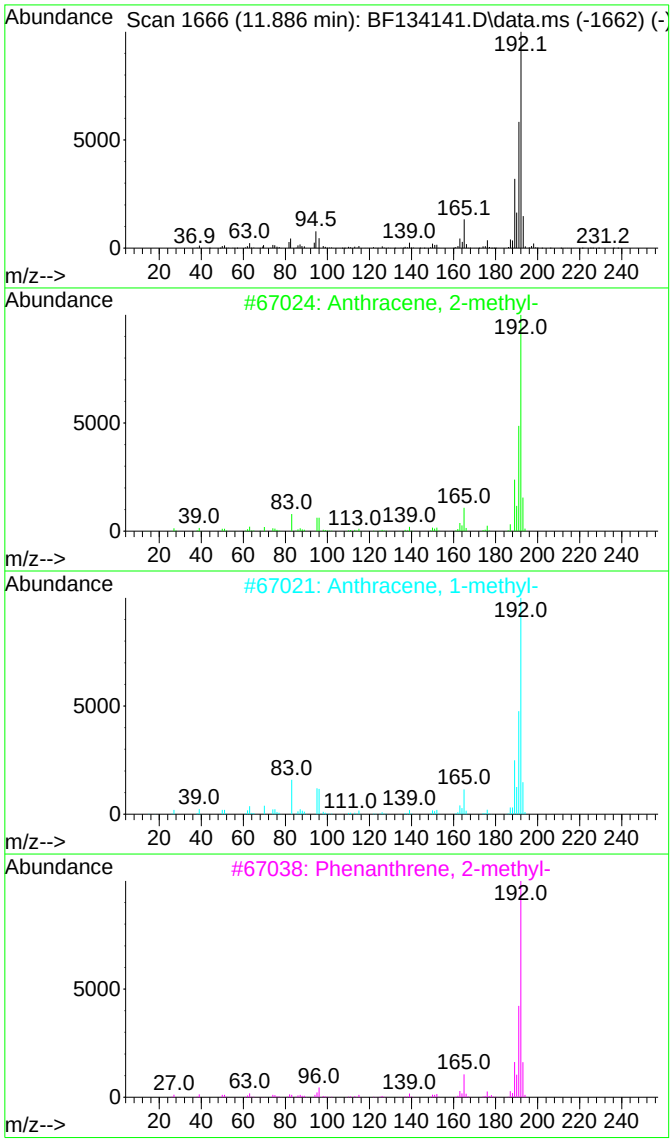
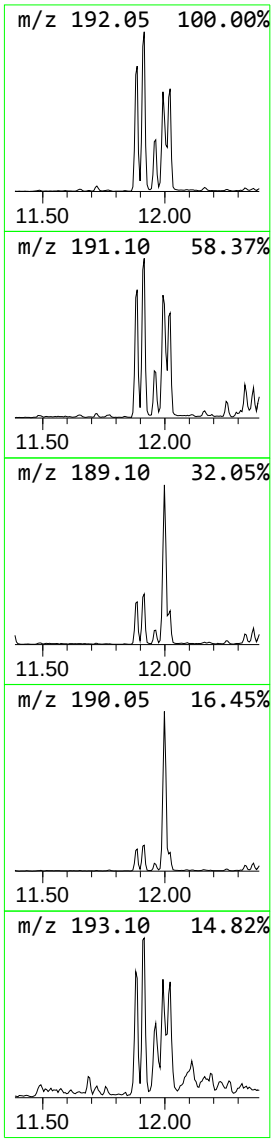
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	35.50 ng	991789	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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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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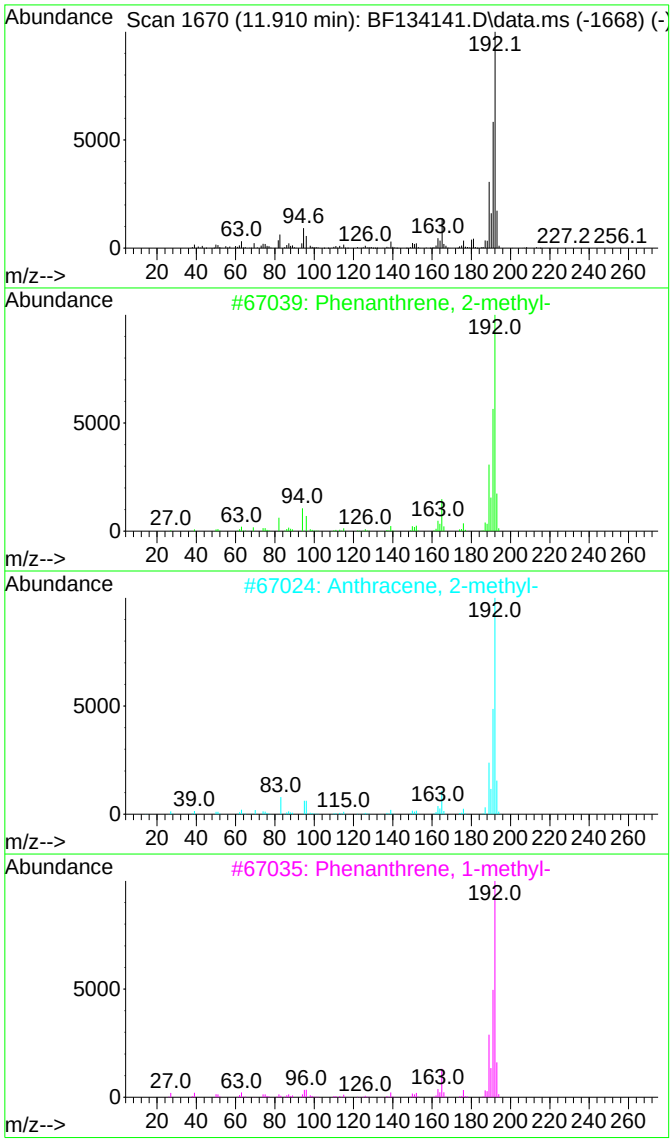
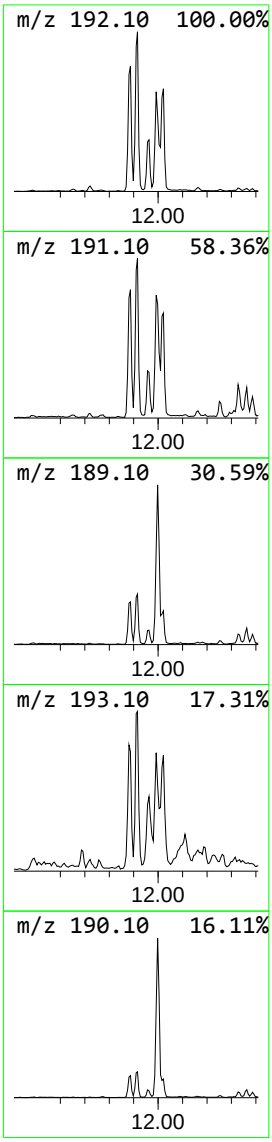
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	42.06 ng	1175030	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Misc :
ALS Vial : 40 Sample Multiplier: 1

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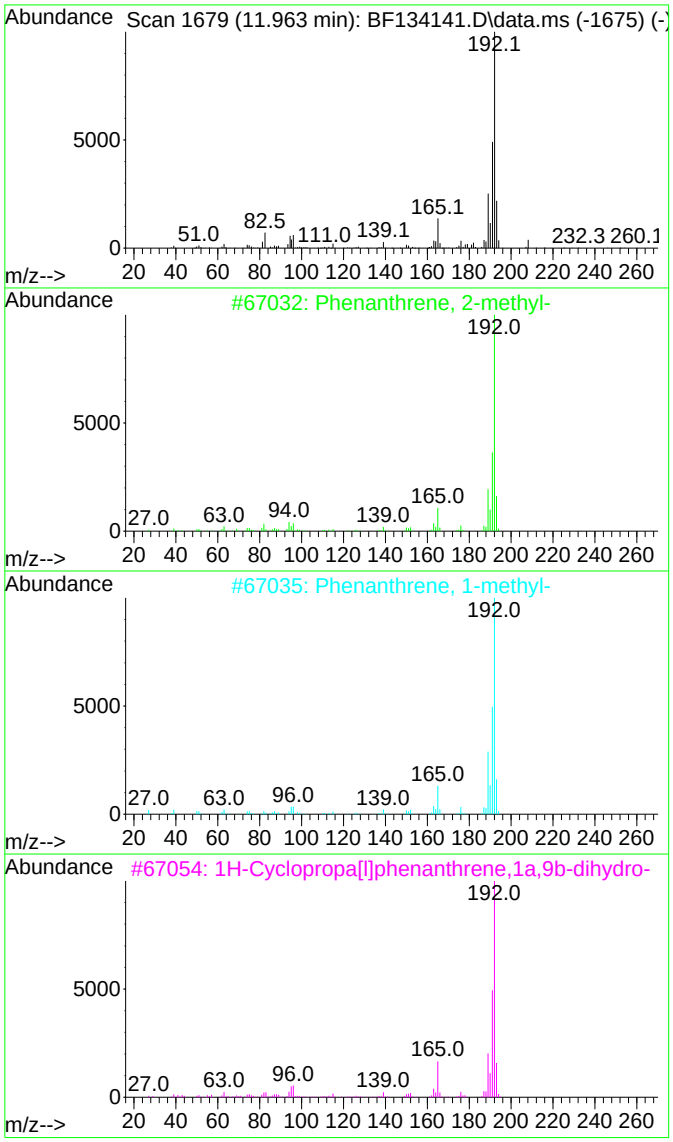
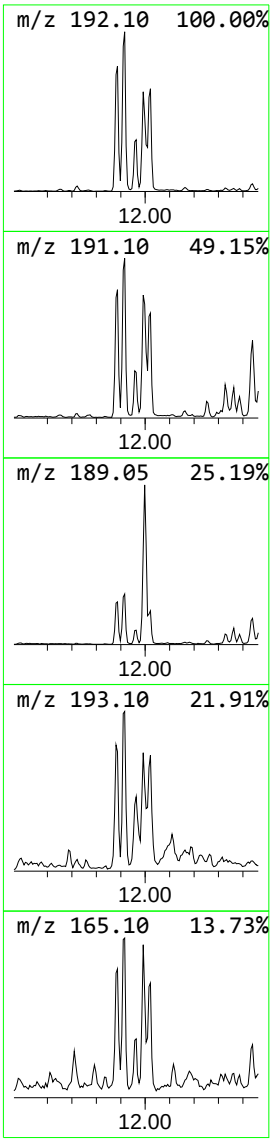
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	13.15 ng	367479	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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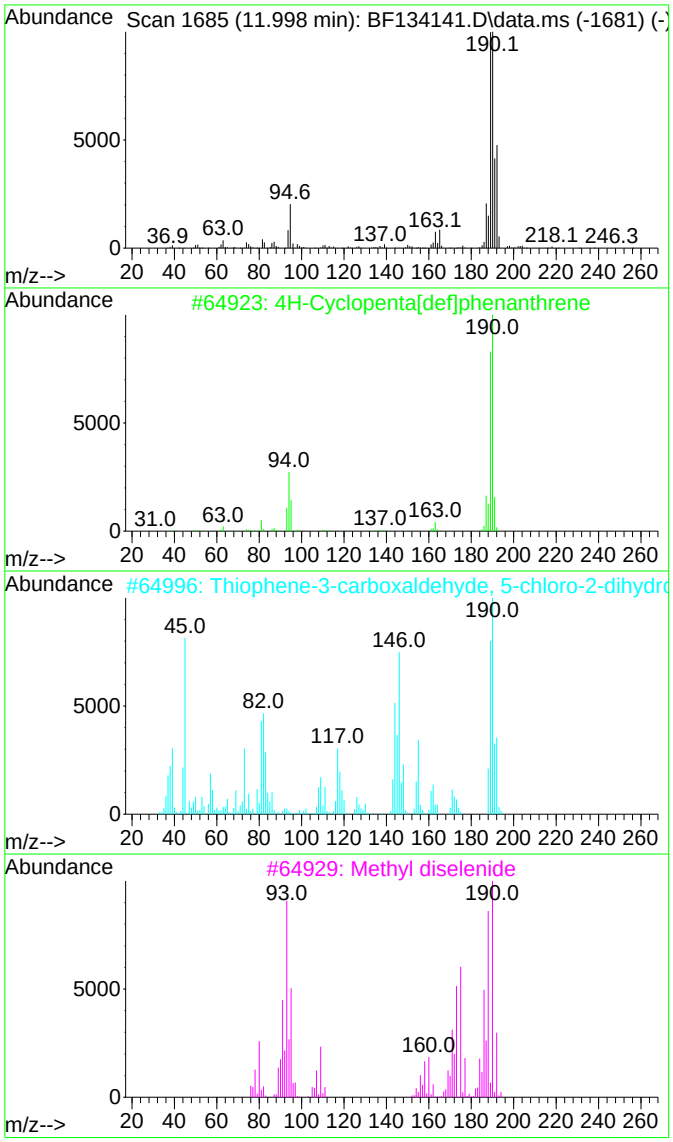
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

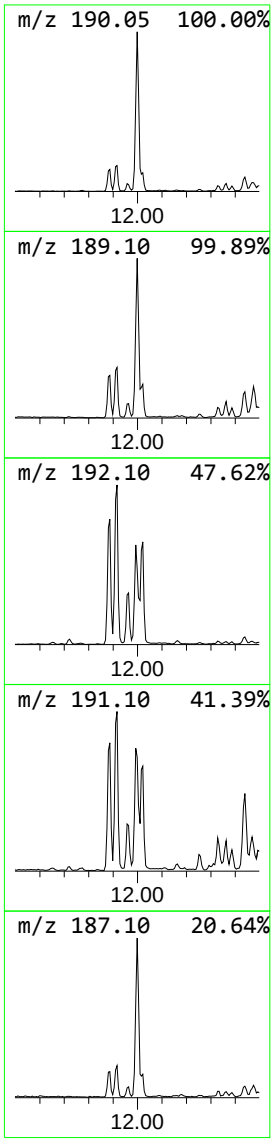
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	62.57 ng	1748090	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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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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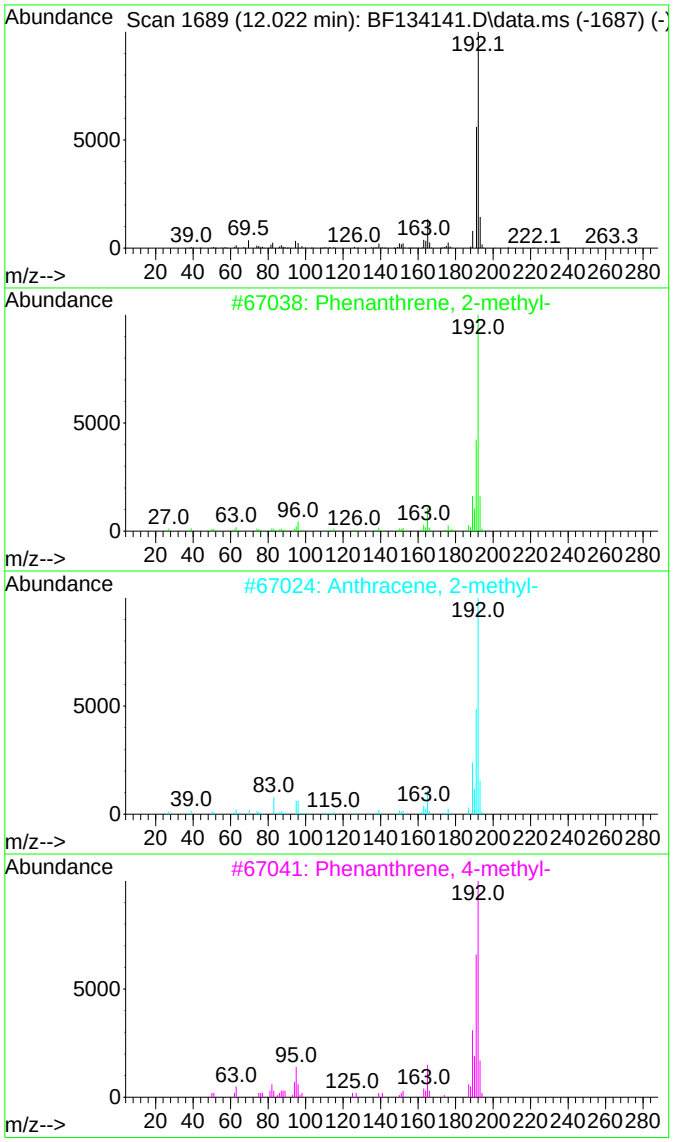
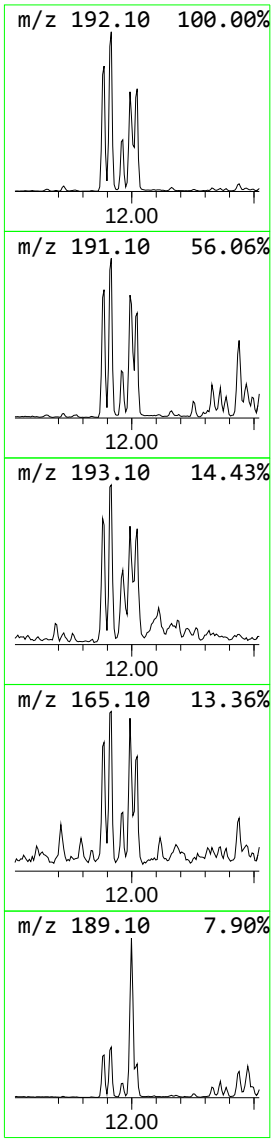
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	22.54 ng	629692	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Misc :
ALS Vial : 40 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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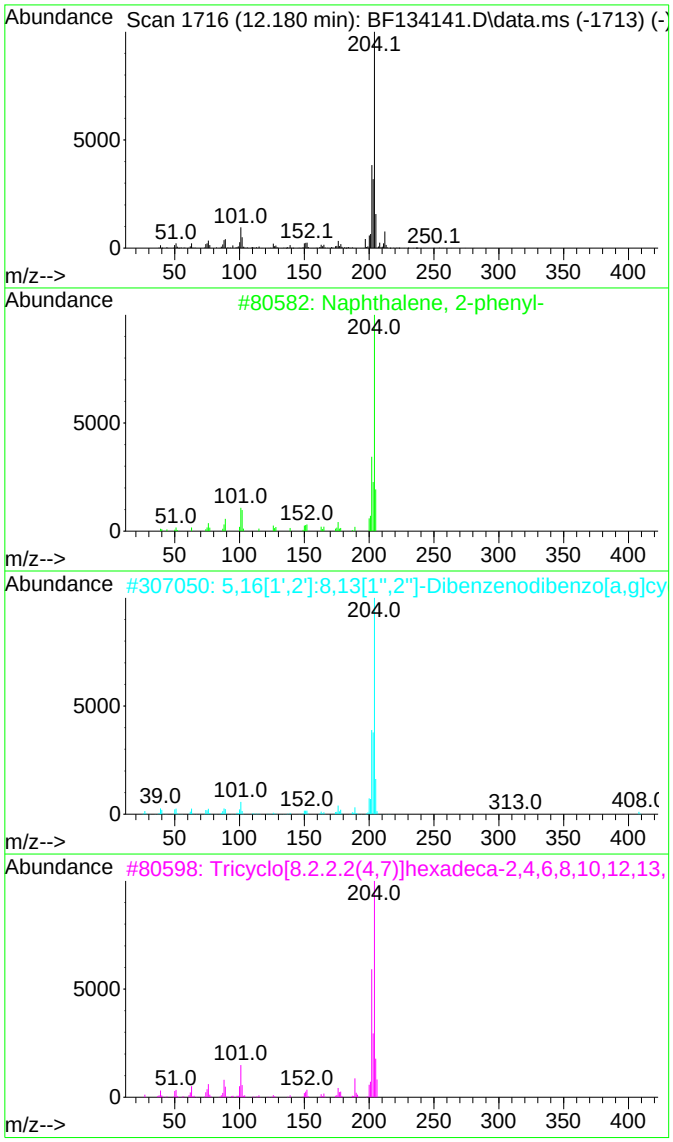
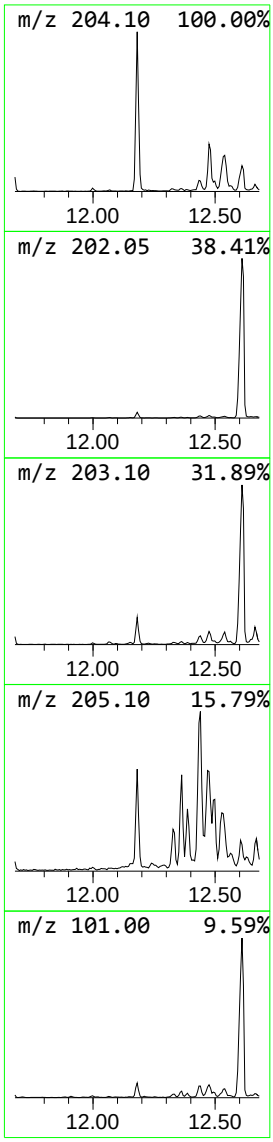
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.181	20.51 ng	573079	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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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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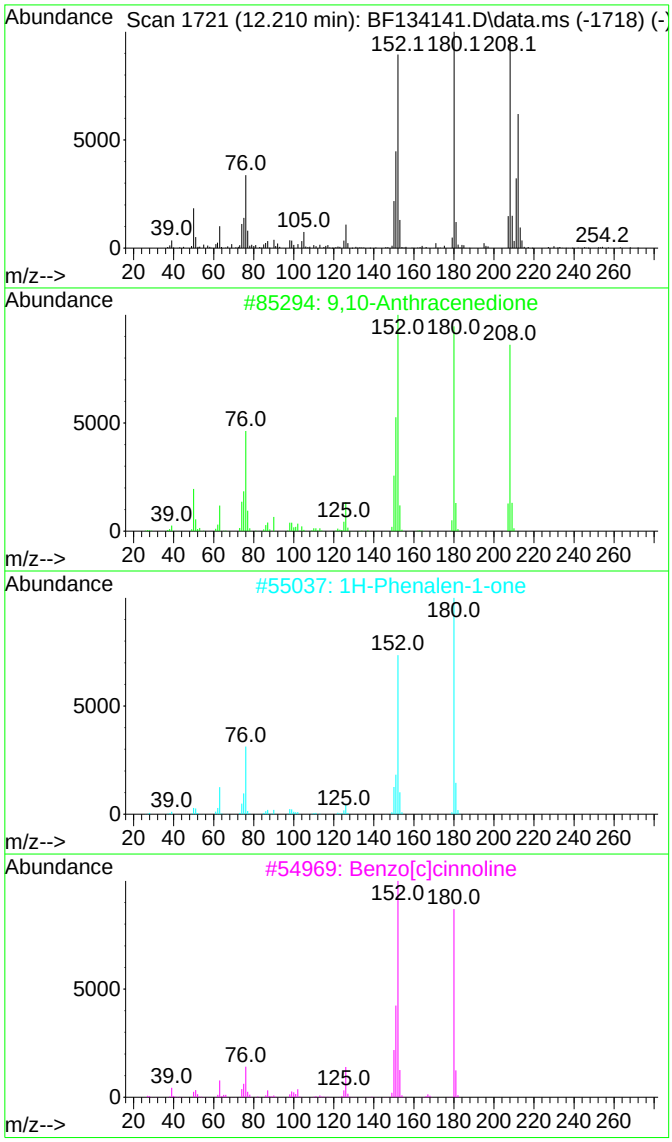
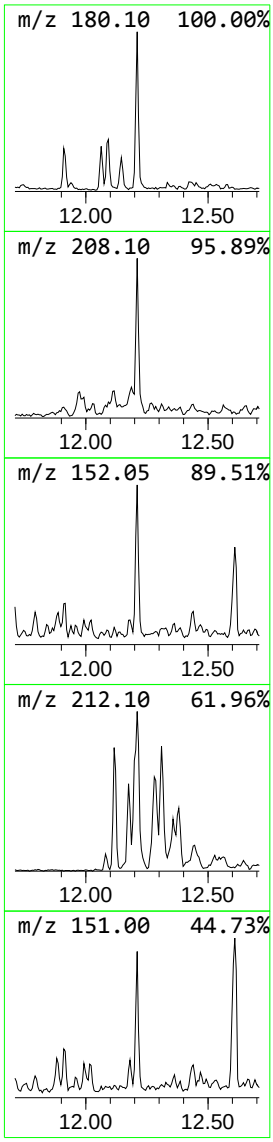
Peak Number 14 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	15.22 ng	425170	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	47





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ALS Vial : 40 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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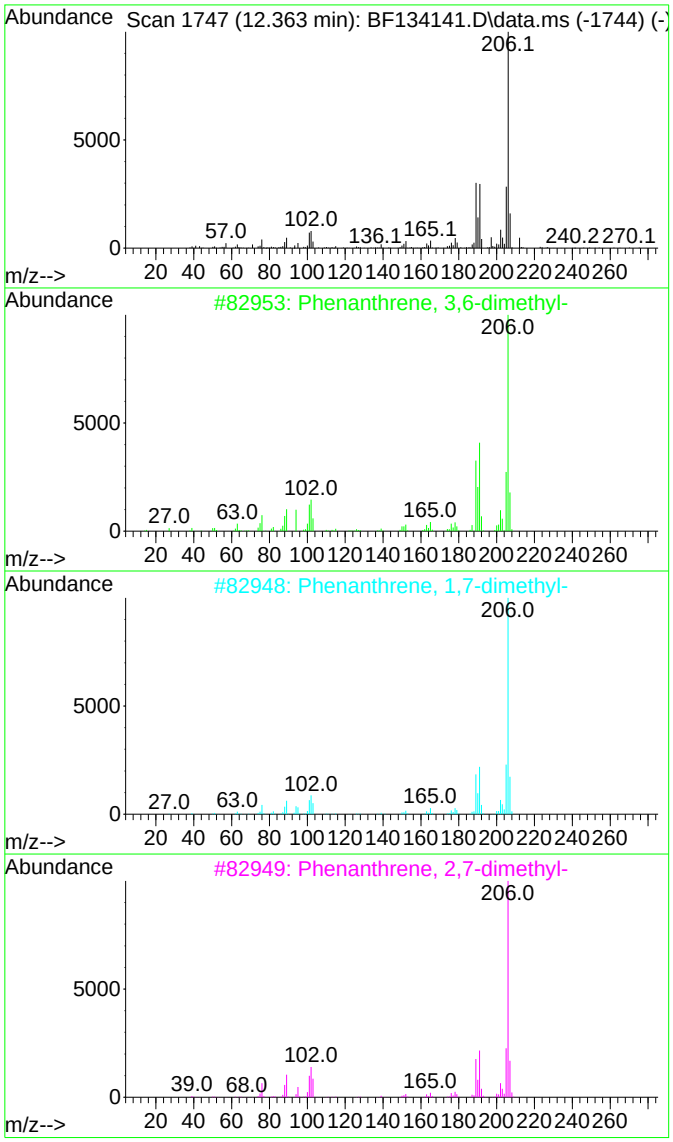
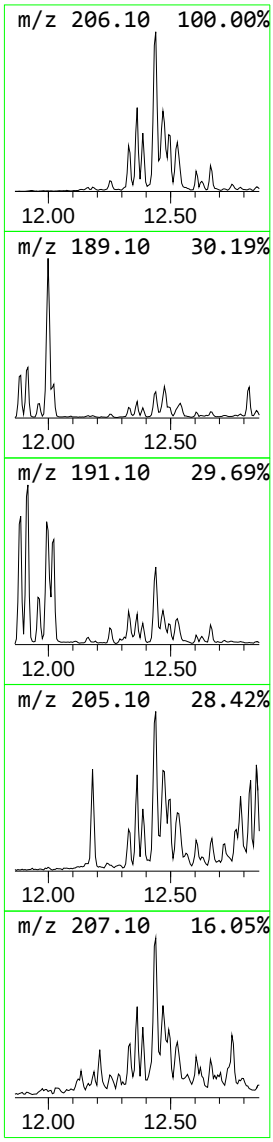
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	12.56 ng	350923	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	81





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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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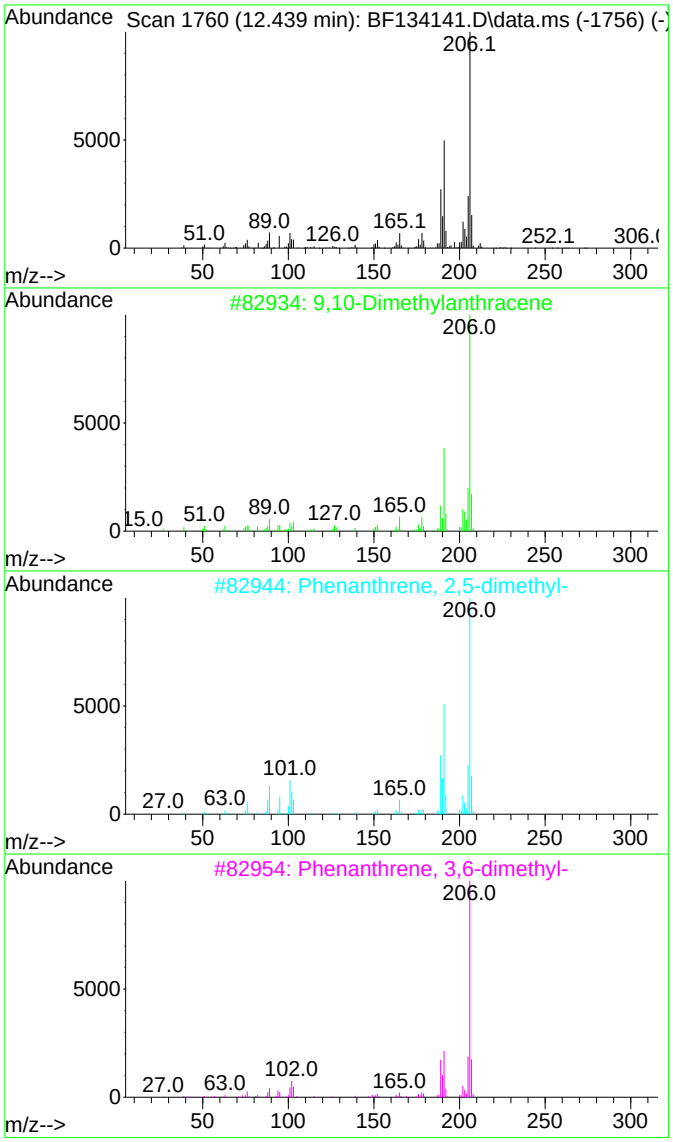
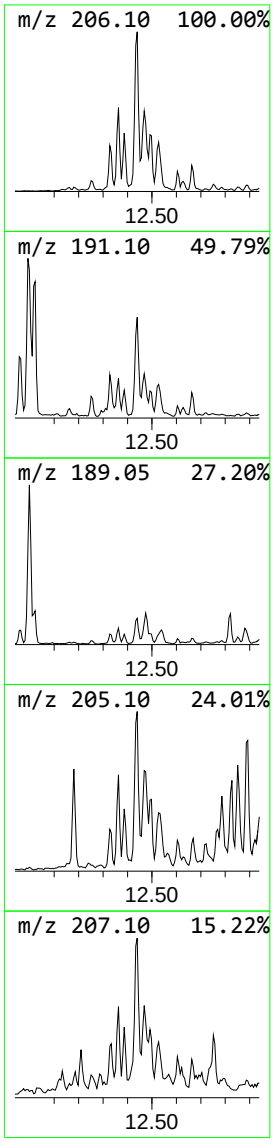
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.439	31.68 ng	885212	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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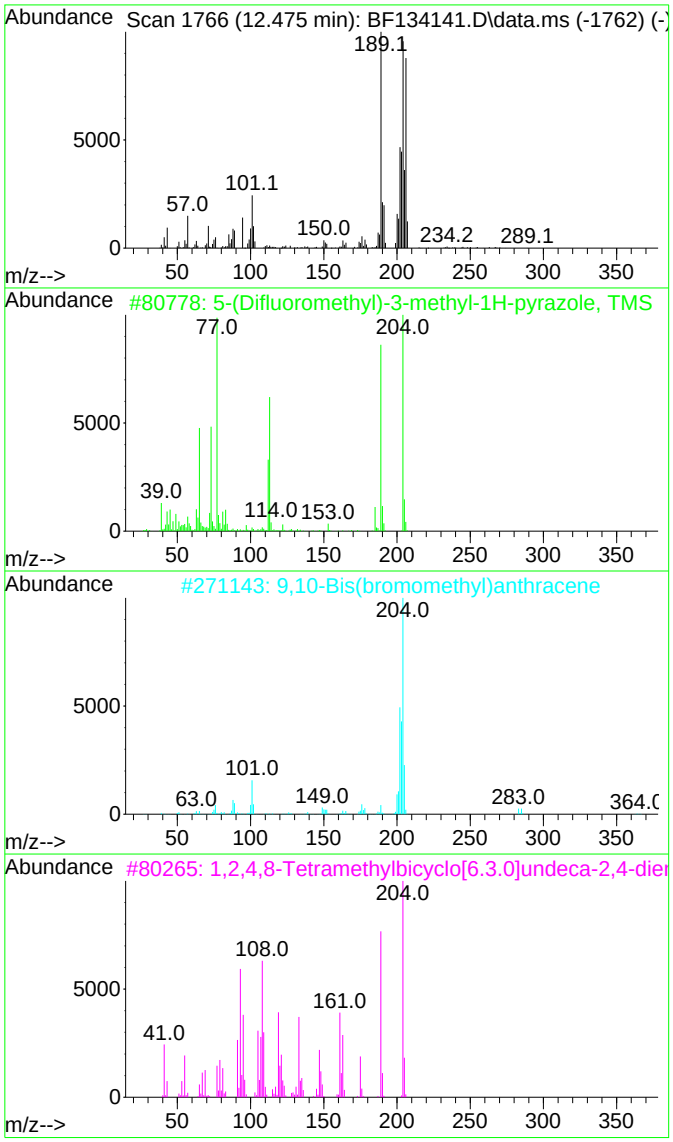
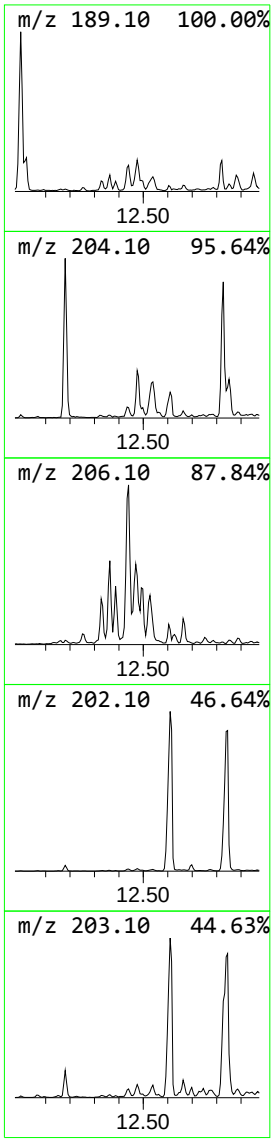
Peak Number 17 unknown12.475 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.475	26.63 ng	743898	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30
4	Levamisole	204	C11H12N2S	014769-73-4	25
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	25





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

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

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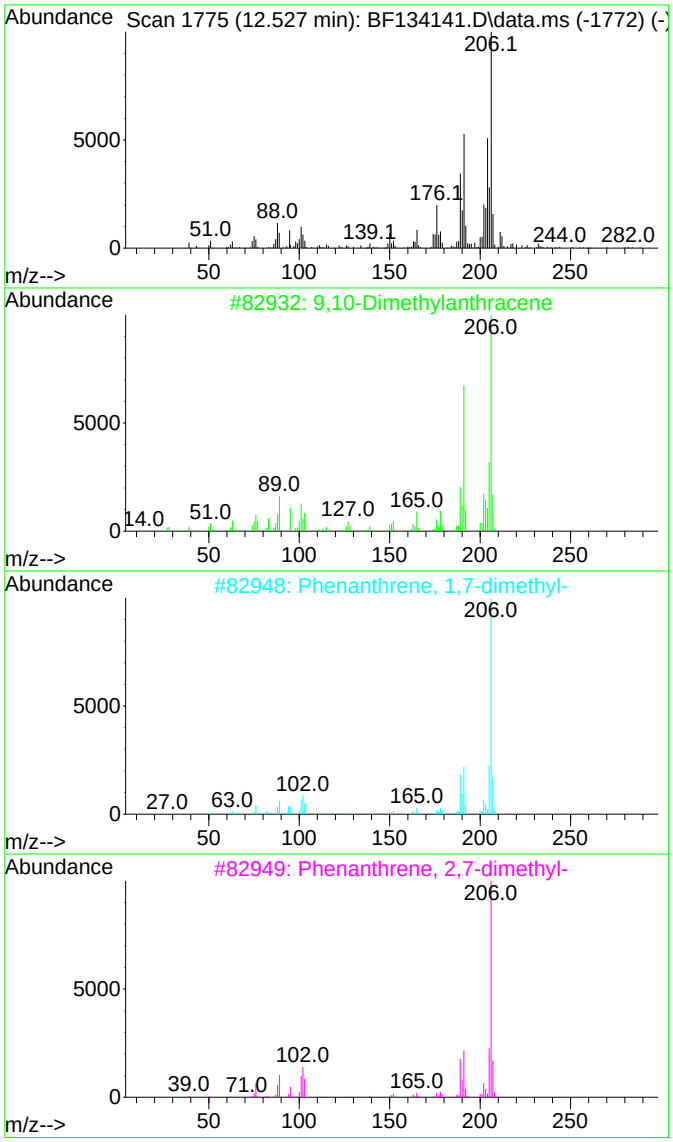
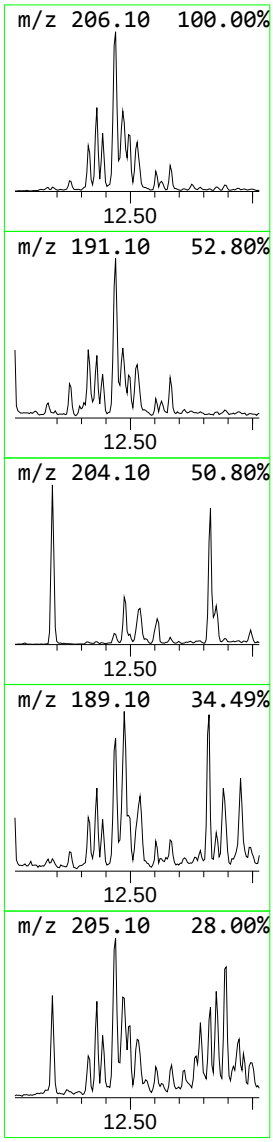
Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.528	17.42 ng	486691	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64





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Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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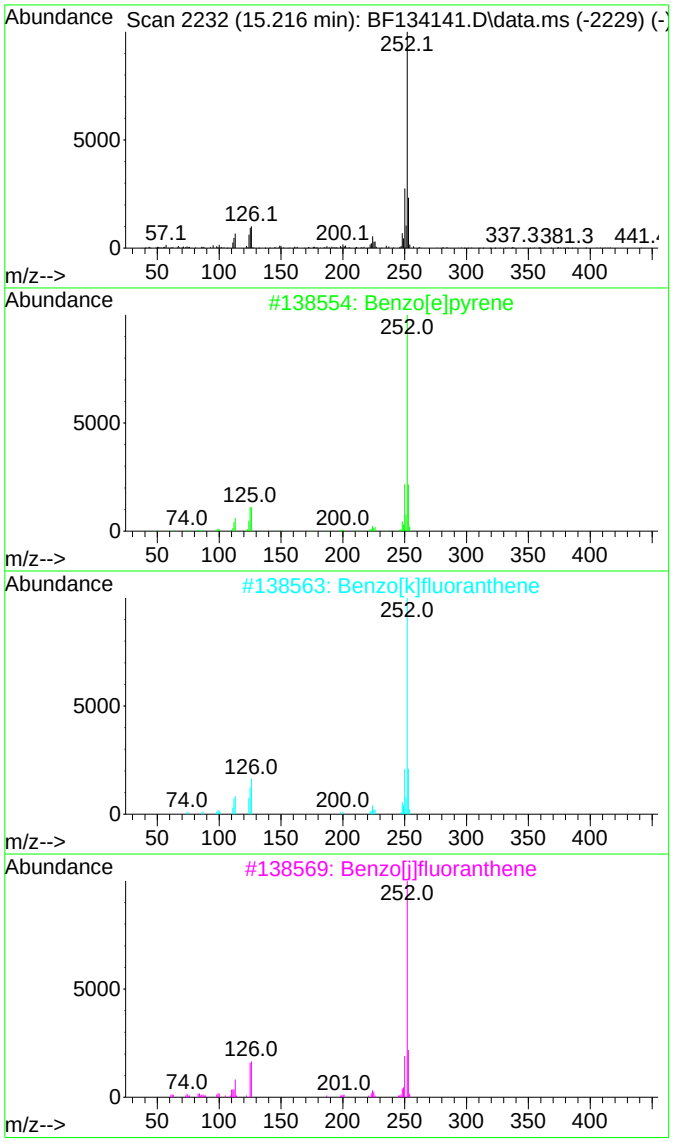
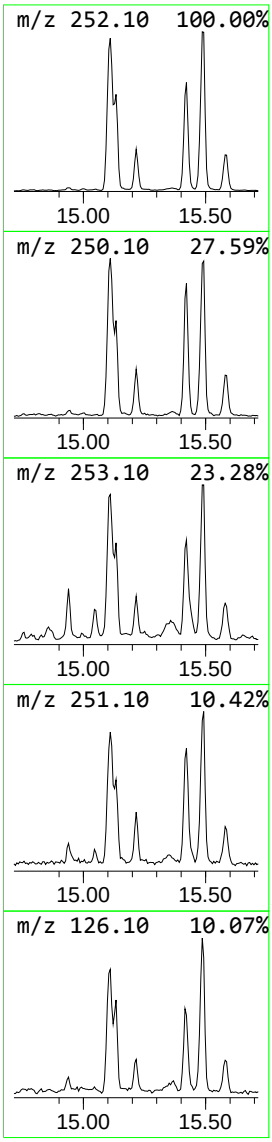
Peak Number 19 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.216	8.87 ng	218870	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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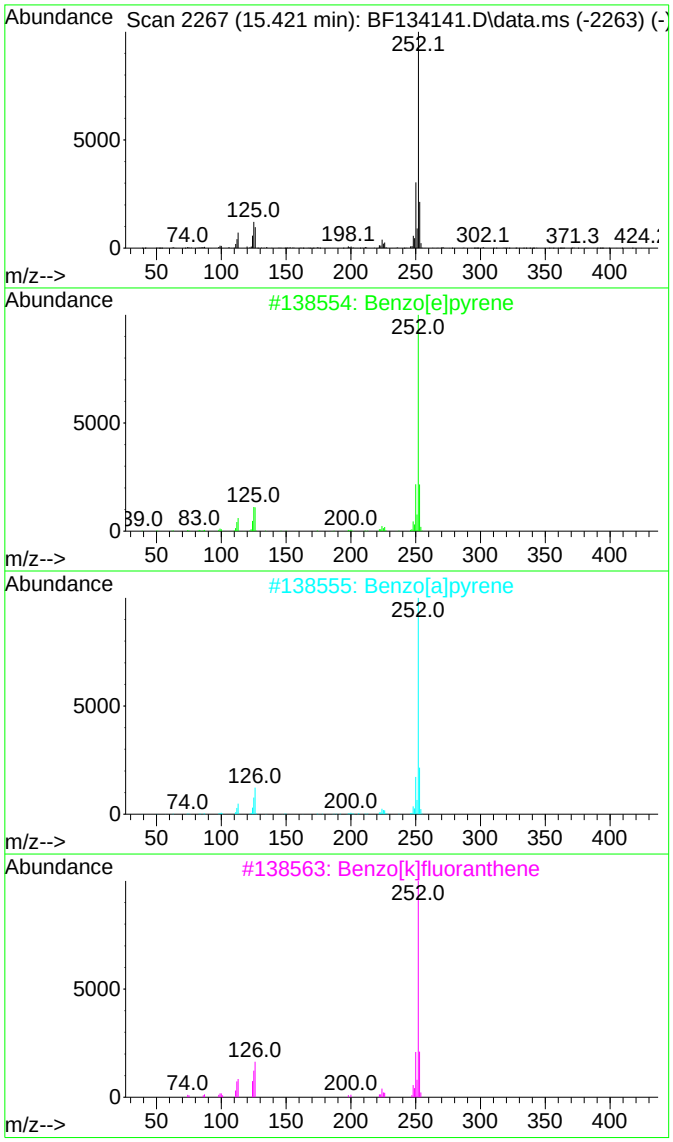
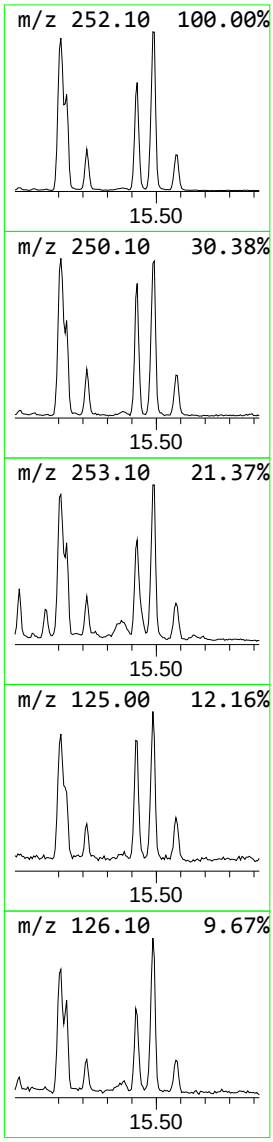
Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	30.92 ng	762754	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134141.D
Acq On : 07 Jul 2023 16:59
Operator : CG\JU
Sample : 03497-01 2X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-063023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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,...	9.469	10.0	ng	302216	3	9.881	605022	20.0
Naphthalene, 2,...	9.539	14.9	ng	451797	3	9.881	605022	20.0
Naphthalene, 1,...	9.563	9.3	ng	280427	3	9.881	605022	20.0
9H-Fluorene, 2-...	10.980	13.4	ng	374526	4	11.381	558773	20.0
Dibenzothiophene	11.275	18.2	ng	508819	4	11.381	558773	20.0
1-Methyldibenzo...	11.710	8.9	ng	250048	4	11.381	558773	20.0
Dibenzothiophen...	11.792	9.1	ng	253197	4	11.381	558773	20.0
Anthracene, 2-m...	11.886	35.5	ng	991789	4	11.381	558773	20.0
Phenanthrene, 2...	11.910	42.1	ng	1175030	4	11.381	558773	20.0
Phenanthrene, 1...	11.963	13.2	ng	367479	4	11.381	558773	20.0
4H-Cyclopenta[d...	11.998	62.6	ng	1748090	4	11.381	558773	20.0
Phenanthrene, 4...	12.022	22.5	ng	629692	4	11.381	558773	20.0
Naphthalene, 2-...	12.181	20.5	ng	573079	4	11.381	558773	20.0
9,10-Anthracene...	12.210	15.2	ng	425170	4	11.381	558773	20.0
Phenanthrene, 3...	12.363	12.6	ng	350923	4	11.381	558773	20.0
9,10-Dimethylan...	12.439	31.7	ng	885212	4	11.381	558773	20.0
unknown12.475	12.475	26.6	ng	743898	4	11.381	558773	20.0
Phenanthrene, 1...	12.528	17.4	ng	486691	4	11.381	558773	20.0
Benzo[e]pyrene	15.216	8.9	ng	218870	6	15.551	493420	20.0
Perylene	15.421	30.9	ng	762754	6	15.551	493420	20.0