LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133715.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.440	566	570	574	rBV	1268533	1141890	29.40%	2.693%
2	6.457	739	743	746	rBV	1263345	1140762	29.38%	2.691%
3	6.834	803	807	810	rBV	569710	434674	11.19%	1.025%
4	7.392	898	902	905	rBV	831434	676617	17.42%	1.596%
5	8.116	1019	1025	1027	rBV	647516	522582	13.46%	1.233%
6	8.139	1027	1029	1033	rVB	202342	158513	4.08%	0.374%
7	8.828	1143	1146	1150	rBV	179647	136148	3.51%	0.321%
8	8.928	1158	1163	1167	rBV	183840	141396	3.64%	0.334%
9	9.192	1204	1208	1211	rBV	1518715	1158479	29.83%	2.732%
10	9.292	1223	1225	1228	rVB	63994	48112	1.24%	0.113%
11	9.386	1239	1241	1248	rVB	51910	52641	1.36%	0.124%
12	9.457	1248	1253	1257	rBV2	94353	135551	3.49%	0.320%
13	9.528	1261	1265	1268	rBV	181514	177284	4.57%	0.418%
14	9.557	1268	1270	1273	rVB	122021	87173	2.24%	0.206%
15	9.645	1282	1285	1291	rVB	91266	95903	2.47%	0.226%
16	9.733	1297	1300	1303	rVB	110457	97240	2.50%	0.229%
17	9.875	1317	1324	1326	rBV	558768	538623	13.87%	1.270%
18	9.904	1326	1329	1332	rVB	646960	500238	12.88%	1.180%
19	9.975	1337	1341	1345	rBV	50010	67640	1.74%	0.160%
20	10.028	1345	1350	1354	rBV2	64312	76394	1.97%	0.180%
21	10.075	1354	1358	1362	rVV	441725	377516	9.72%	0.890%
22	10.116	1362	1365	1368	rVB	75687	65245	1.68%	0.154%
23	10.186	1374	1377	1380	rBV	76647	73093	1.88%	0.172%
24	10.216	1380	1382	1385	rVV	79335	61742	1.59%	0.146%
25	10.280	1388	1393	1394	rBV	66255	75910	1.95%	0.179%
26	10.298	1394	1396	1399	rVB	54473	43826	1.13%	0.103%
27	10.422	1413	1417	1422	rBV	665390	553155	14.24%	1.305%
28	10.469	1422	1425	1426	rBV	71990	55871	1.44%	0.132%
29	10.510	1430	1432	1434	rVB	98843	76482	1.97%	0.180%
30	10.580	1441	1444	1449	rVB2	240367	240532	6.19%	0.567%
31	10.663	1449	1458	1462	rVV	983270	971869	25.03%	2.292%
32	10.710	1462	1466	1469	rVB2	57990	73903	1.90%	0.174%
33	10.786	1473	1479	1485	rVB3	77691	106026	2.73%	0.250%
34	10.969	1503	1510	1513	rBV3	172953	239229	6.16%	0.564%
35	10.998	1513	1515	1518	rVV2	99875	91619	2.36%	0.216%
36	11.051	1521	1524	1527	rVB3	81412	77735	2.00%	0.183%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
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Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.098	1527	1532	1534	rBV2	102536	146290	3.77%	0.345%
38	11.122	1534	1536	1538	rVV	120380	109501	2.82%	0.258%
39	11.163	1540	1543	1547	rVB	205493	193375	4.98%	0.456%
40	11.210	1547	1551	1556	rBV3	121797	206145	5.31%	0.486%
41	11.257	1556	1559	1565	rVB	350769	302018	7.78%	0.712%
42	11.363	1574	1577	1579	rBV	501302	540525	13.92%	1.275%
43	11.398	1579	1583	1585	rVV	4024995	3850872	99.16%	9.083%
44	11.439	1587	1590	1593	rVV	1212792	995798	25.64%	2.349%
45	11.469	1593	1595	1598	rVB3	108256	101743	2.62%	0.240%
46	11.592	1610	1616	1618	rBV2	361847	365697	9.42%	0.863%
47	11.657	1624	1627	1630	rBV3	96375	77120	1.99%	0.182%
48	11.692	1630	1633	1638	rVB3	113439	108234	2.79%	0.255%
49	11.774	1645	1647	1652	rVB	65421	66152	1.70%	0.156%
50	11.869	1657	1663	1665	rBV	604359	614220	15.82%	1.449%
51	11.892	1665	1667	1671	rVB	896814	797901	20.55%	1.882%
52	11.939	1672	1675	1678	rVV	336493	307015	7.91%	0.724%
53	11.980	1678	1682	1684	rVV	885755	932701	24.02%	2.200%
54	11.998	1684	1685	1689	rVB	425699	314093	8.09%	0.741%
55	12.045	1690	1693	1695	rBV2	49189	55282	1.42%	0.130%
56	12.069	1695	1697	1699	rVV2	70079	56811	1.46%	0.134%
57	12.133	1704	1708	1710	rBV4	28800	50715	1.31%	0.120%
58	12.163	1710	1713	1715	rVV	416384	353233	9.10%	0.833%
59	12.186	1715	1717	1720	rVV	273115	222812	5.74%	0.526%
60	12.233	1723	1725	1729	rBV	59003	54654	1.41%	0.129%
61	12.310	1736	1738	1741	rVB	141476	113595	2.93%	0.268%
62	12.339	1741	1743	1745	rBV	123658	100696	2.59%	0.238%
63	12.363	1745	1747	1750	rVB	125737	114389	2.95%	0.270%
64	12.416	1752	1756	1759	rBV	320064	372586	9.59%	0.879%
65	12.457	1759	1763	1765	rVV	228117	288424	7.43%	0.680%
66	12.504	1768	1771	1776	rVV2	227542	278850	7.18%	0.658%
67	12.592	1780	1786	1789	rVV	3675590	3797268	97.78%	8.956%
68	12.627	1789	1792	1793	rVV	85389	84134	2.17%	0.198%
69	12.645	1793	1795	1798	rVV2	113719	111915	2.88%	0.264%
70	12.674	1798	1800	1802	rVB	73322	51923	1.34%	0.122%
71	12.733	1807	1810	1813	rVB	137362	137106	3.53%	0.323%
72	12.821	1818	1825	1829	rBV2	2953555	3883436	100.00%	9.160%
73	12.857	1829	1831	1836	rVB2	196587	224013	5.77%	0.528%
74	12.927	1840	1843	1845	rBV	223485	262018	6.75%	0.618%
75	12.951	1845	1847	1854	rVB2	1285758	1206063	31.06%	2.845%
76	13.033	1855	1861	1864	rBV2	255903	440257	11.34%	1.038%

LSC Area Percent Report

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Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.116	1872	1875	1876	rBV3	172638	183610	4.73%	0.433%
78	13.139	1876	1879	1882	rVB2	548897	513113	13.21%	1.210%
79	13.174	1882	1885	1886	rBV	57250	65446	1.69%	0.154%
80	13.204	1888	1890	1893	rVB	363919	271851	7.00%	0.641%
81	13.239	1893	1896	1899	rBV2	342391	390334	10.05%	0.921%
82	13.298	1904	1906	1910	rBV2	83226	78473	2.02%	0.185%
83	13.333	1910	1912	1915	rBV	158701	140233	3.61%	0.331%
84	13.368	1915	1918	1921	rBV2	199495	201132	5.18%	0.474%
85	13.645	1963	1965	1970	rVB	195323	200110	5.15%	0.472%
86	13.757	1981	1984	1987	rBV2	190687	226979	5.84%	0.535%
87	13.786	1987	1989	1991	rVV	239532	198009	5.10%	0.467%
88	13.810	1991	1993	1998	rVV2	140778	230161	5.93%	0.543%
89	13.857	1998	2001	2004	rVB	272868	258052	6.64%	0.609%
90	14.004	2020	2026	2030	rBV2	1401915	1973163	50.81%	4.654%
91	14.039	2030	2032	2038	rVB	1161664	1090902	28.09%	2.573%
92	14.115	2043	2045	2048	rVV	155193	140474	3.62%	0.331%
93	14.398	2091	2093	2096	rVB	252034	186824	4.81%	0.441%
94	14.433	2097	2099	2102	rVB	124137	92377	2.38%	0.218%
95	14.521	2112	2114	2116	rBV	108284	97076	2.50%	0.229%
96	15.057	2200	2205	2208	rBV	703941	1137447	29.29%	2.683%
97	15.357	2253	2256	2262	rVB	366558	473176	12.18%	1.116%
98	15.421	2263	2267	2272	rBV	613693	746961	19.23%	1.762%
99	15.480	2274	2277	2280	rBV	189006	222118	5.72%	0.524%
100	16.956	2523	2528	2533	rVB2	207979	417963	10.76%	0.986%

Sum of corrected areas: 42397177

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
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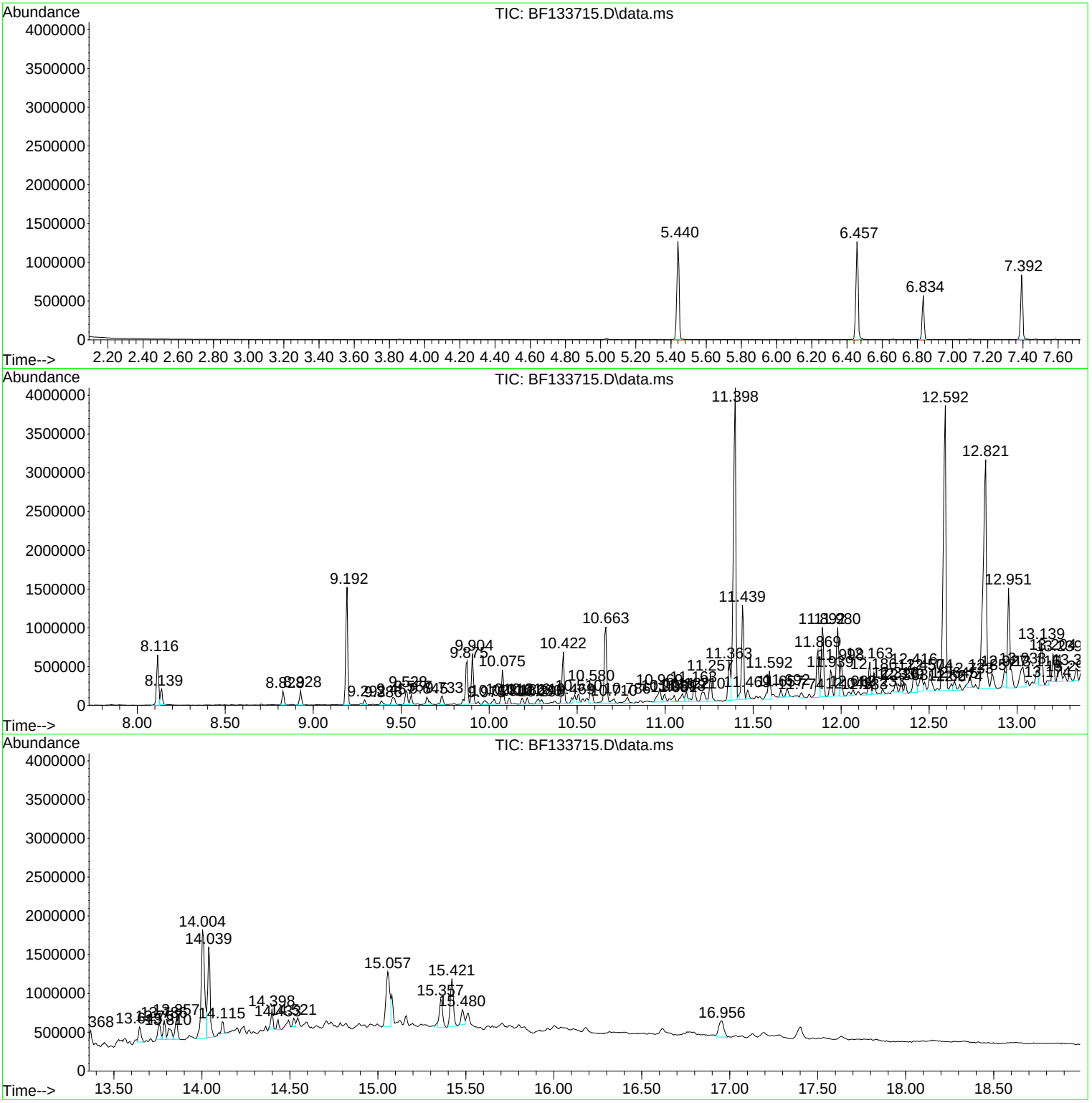
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

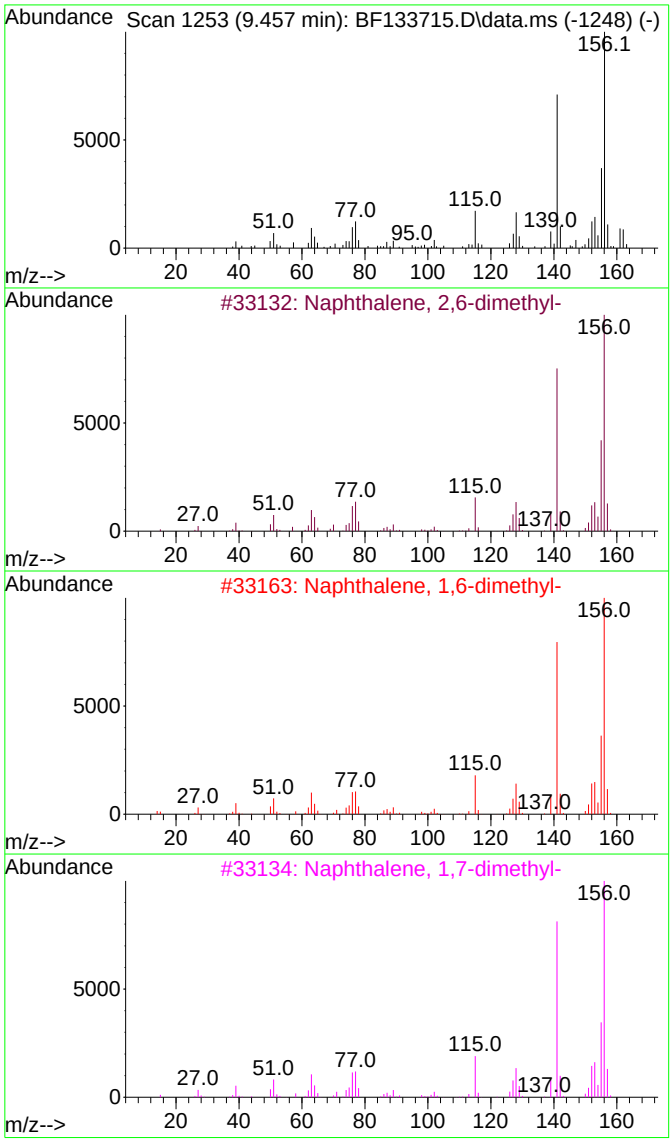
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

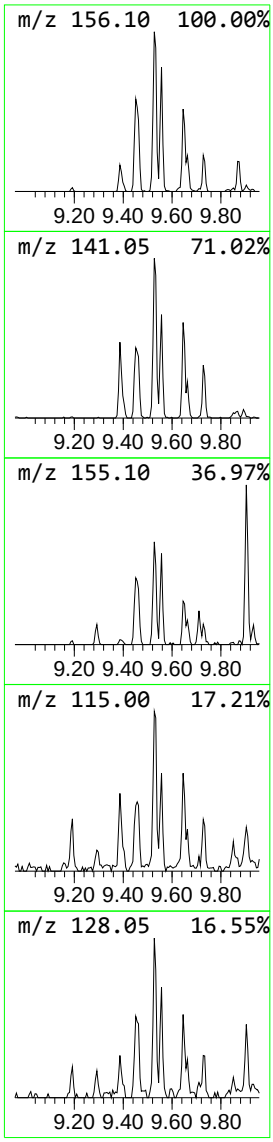
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	5.03 ng	135551	Acenaphthene-d10	9.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

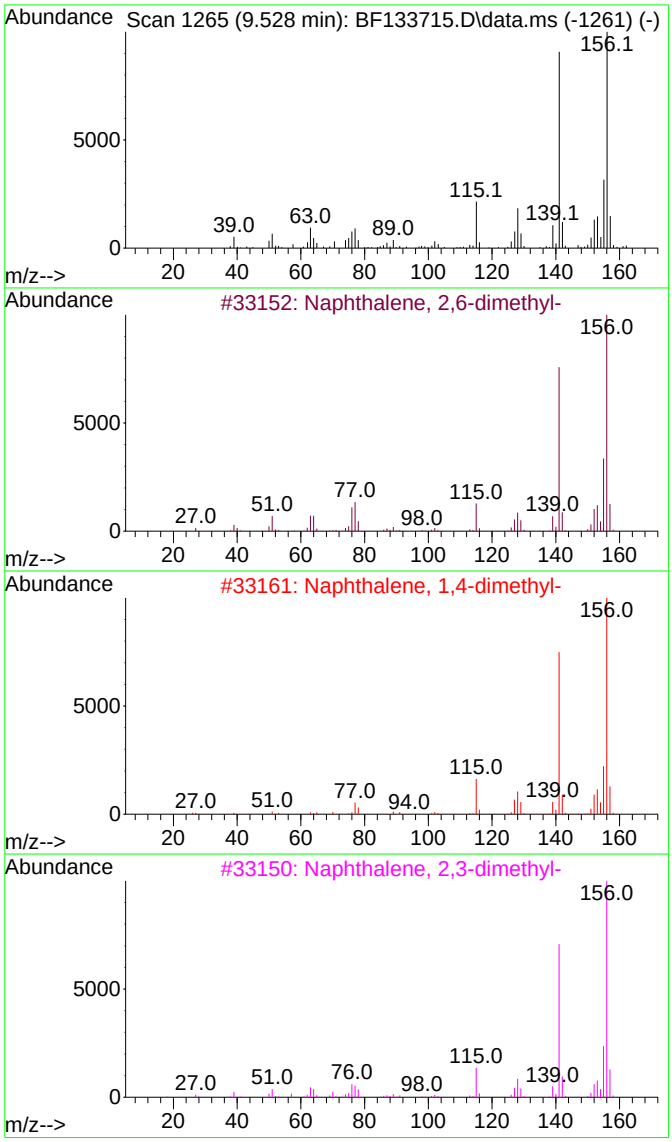
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

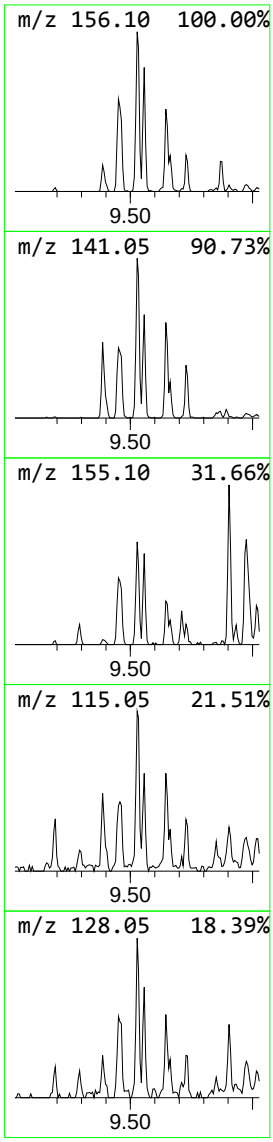
****

Peak Number 2 Naphthalene, 1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.528	6.58 ng	177284	Acenaphthene-d10	9.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

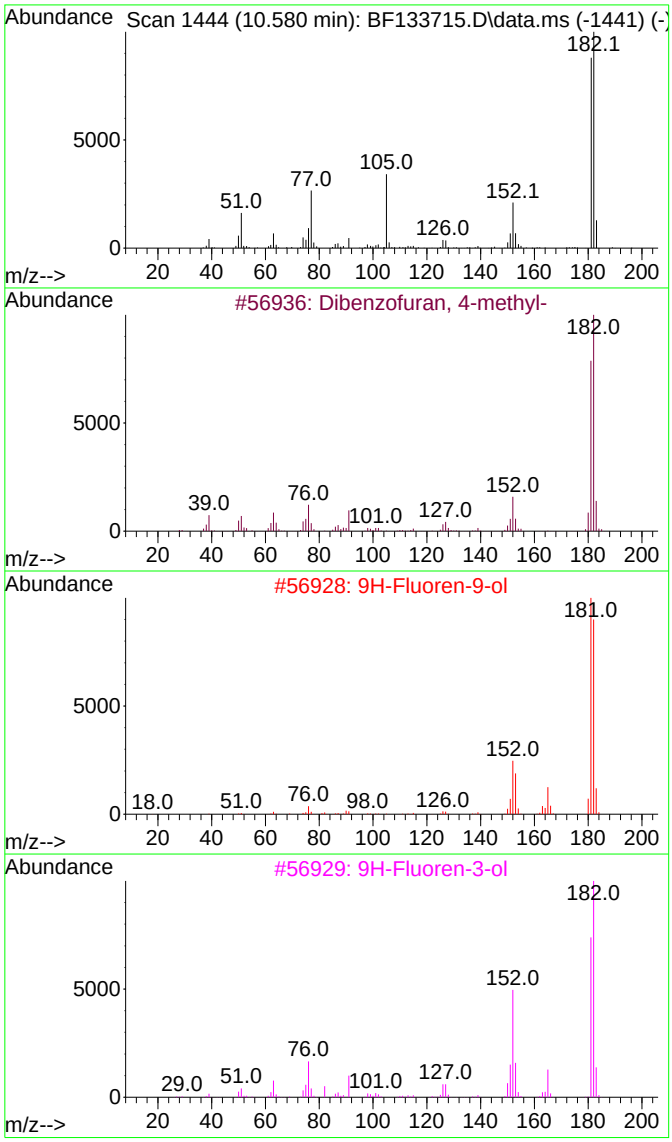
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

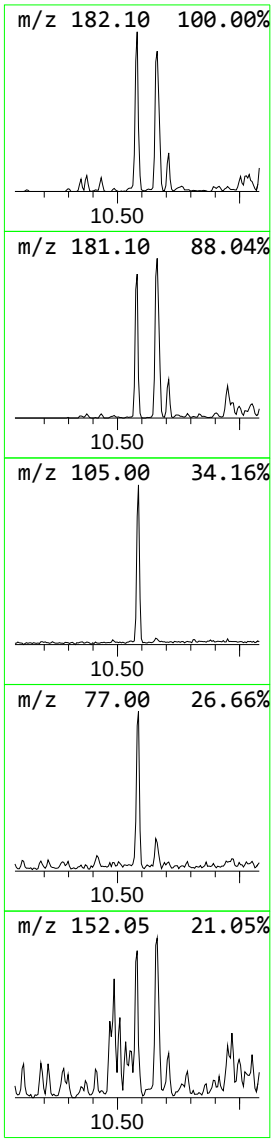
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.580	8.93 ng	240532	Acenaphthene-d10	9.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	64
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

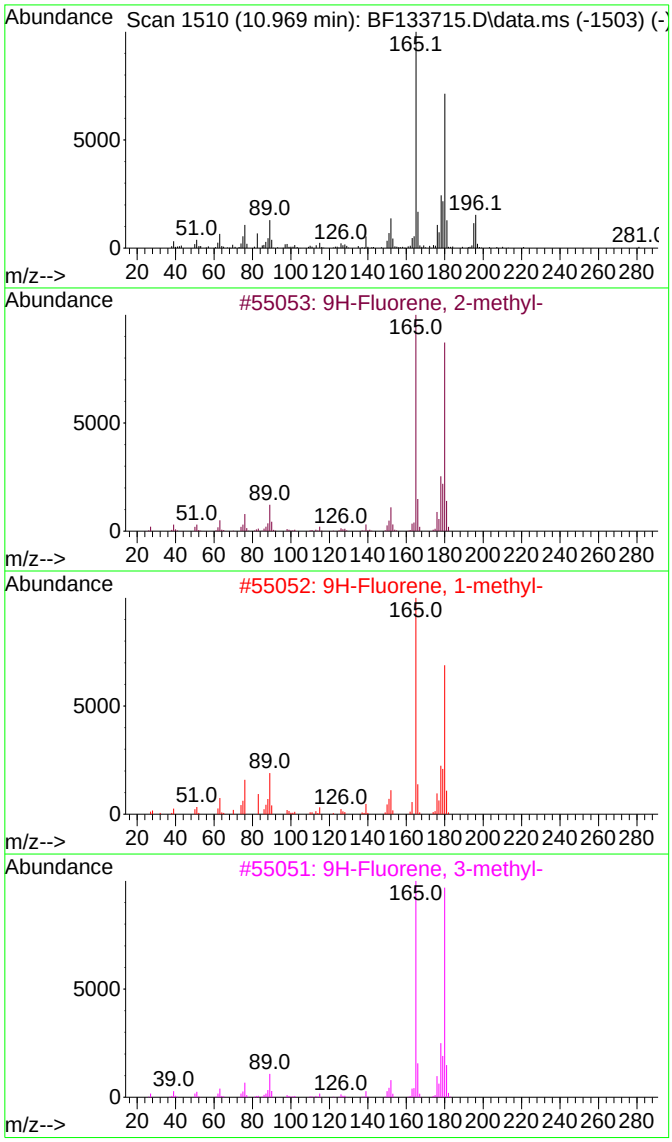
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

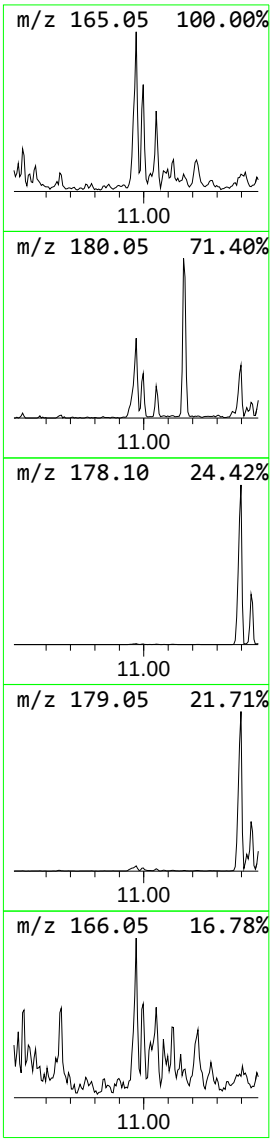
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.969	8.85 ng	239229	Phenanthrene-d10	11.363

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	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

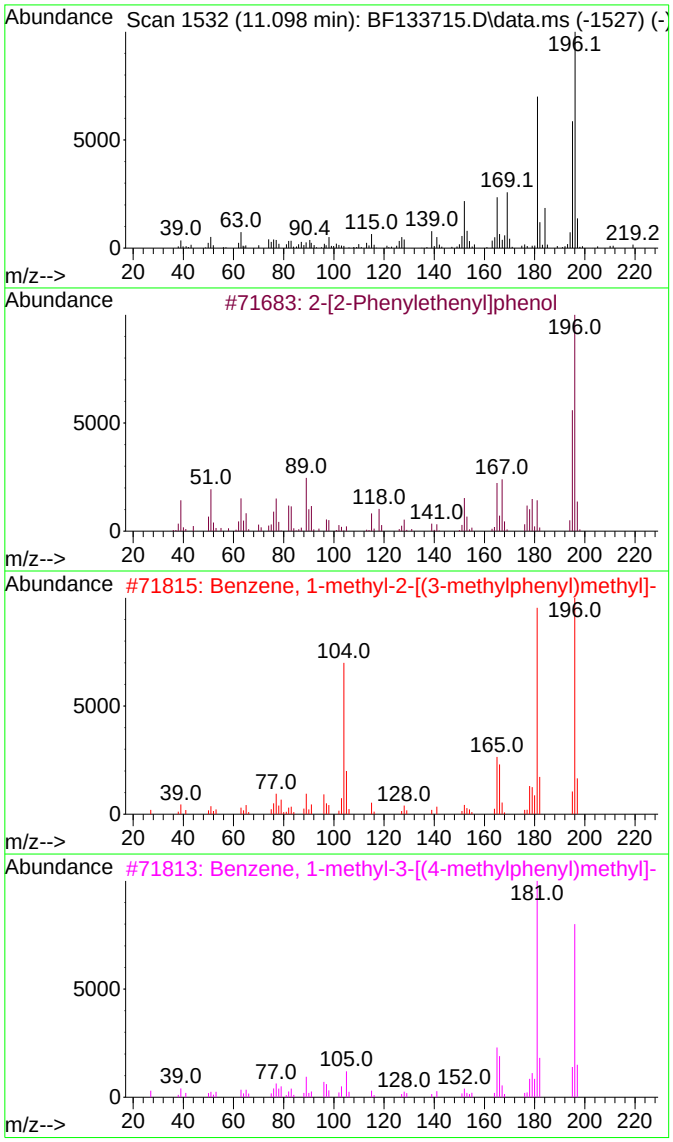
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

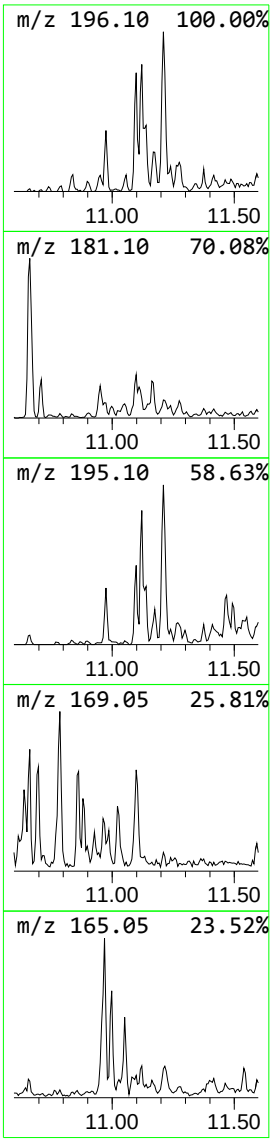
****

Peak Number 5 2-[2-Phenylethenyl]phenol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.098	5.41 ng	146290	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58
2	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	52
3	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	49
4	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	49
5	4,5-Dimethoxy-2-hydroxyacetophenone	196	C10H12O4	020628-06-2	46





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Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
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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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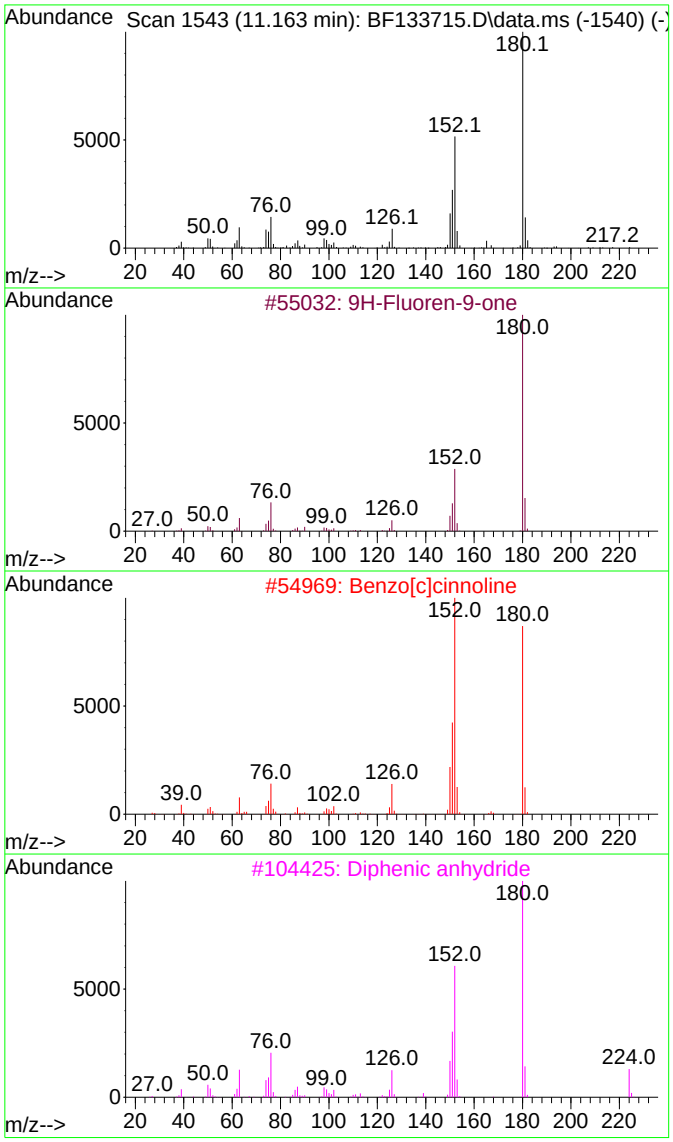
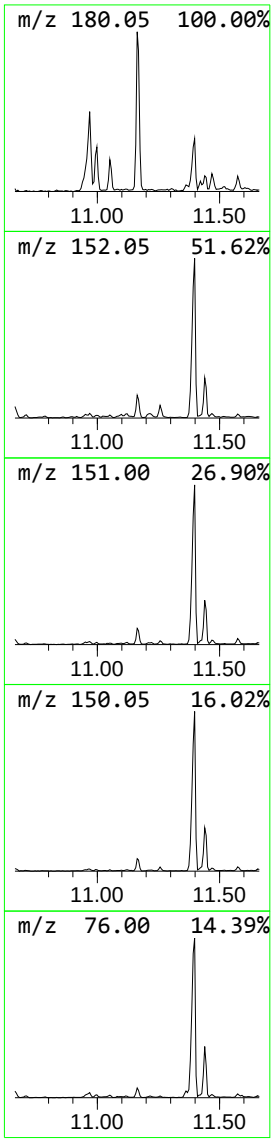
Peak Number 6 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	7.16 ng	193375	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	Diphenic anhydride	224	C14H8O3	006050-13-1	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83





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Instrument :
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ClientSampleId :
SB-07-0-2.0

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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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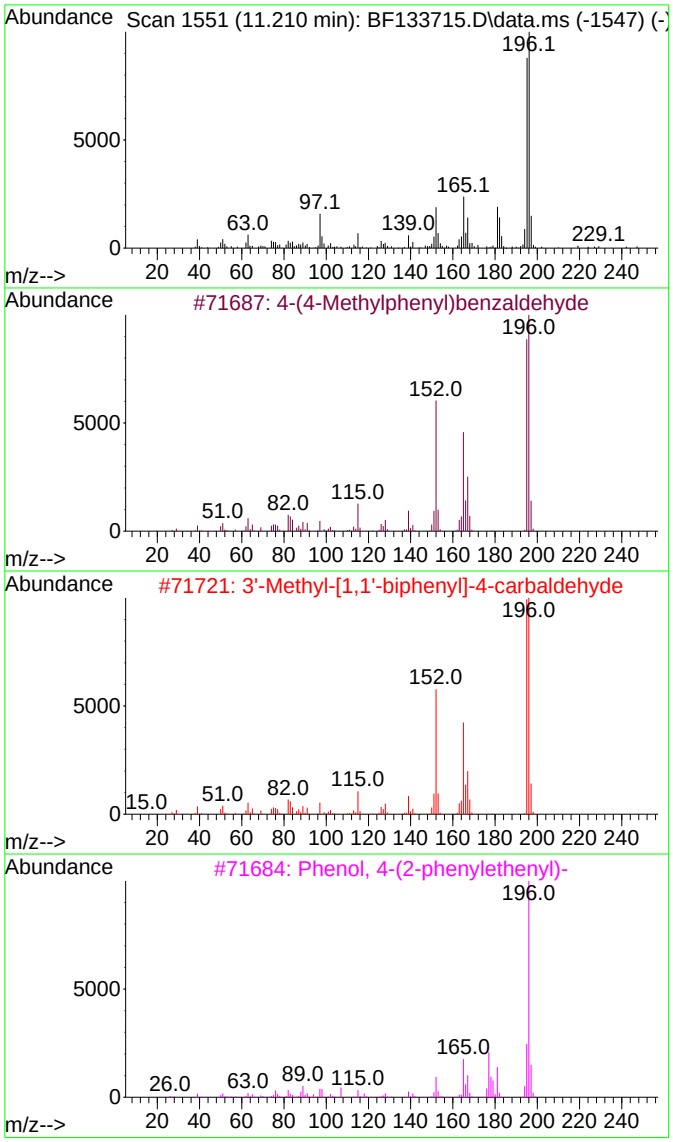
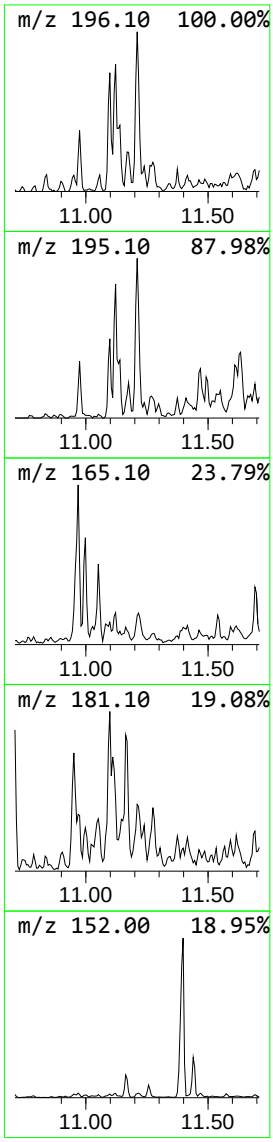
Peak Number 7 4-(4-Methylphenyl)benzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	7.63 ng	206145	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
4	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	62
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58





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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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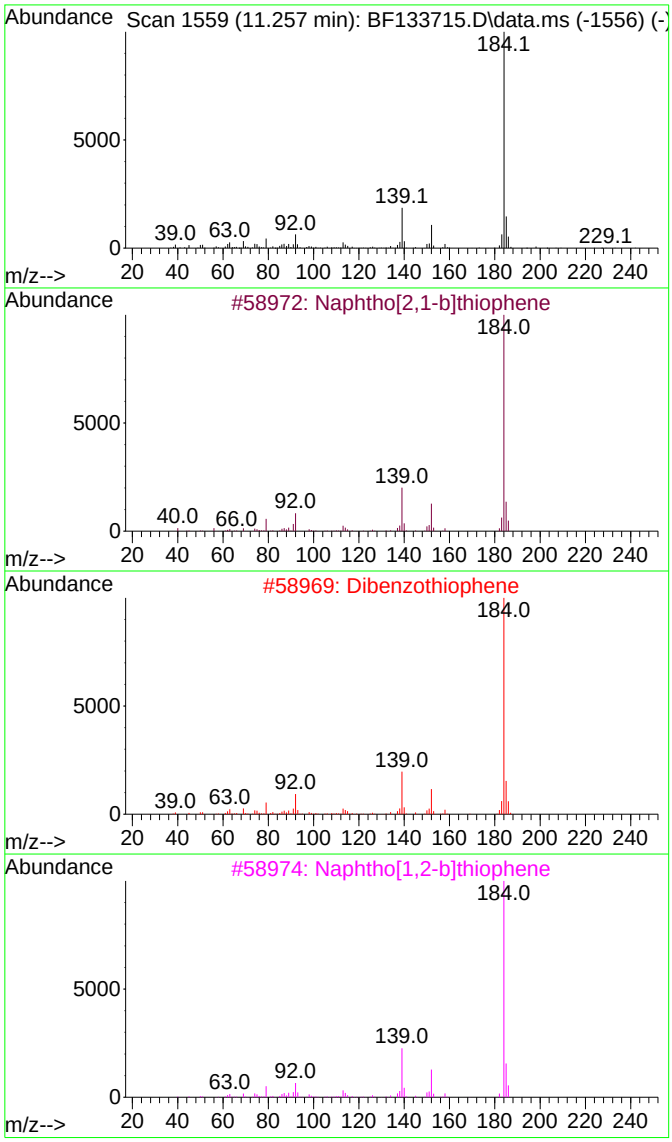
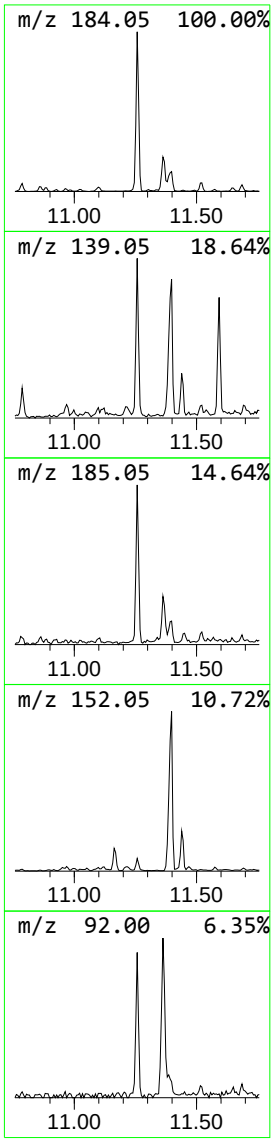
Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	11.18 ng	302018	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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ALS Vial : 16 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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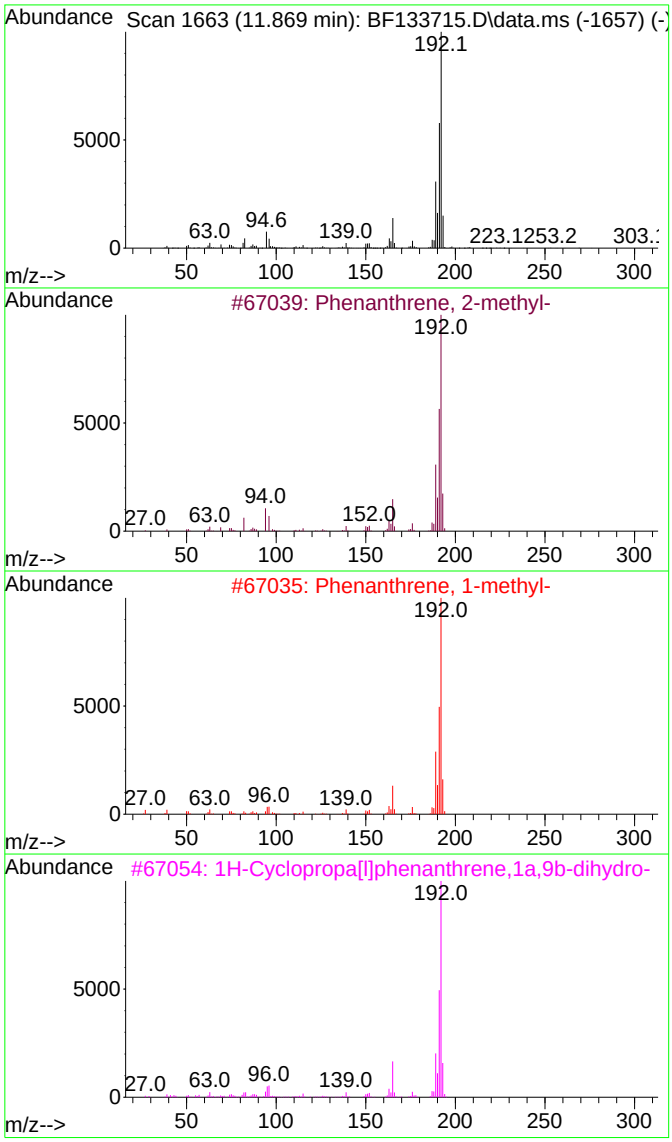
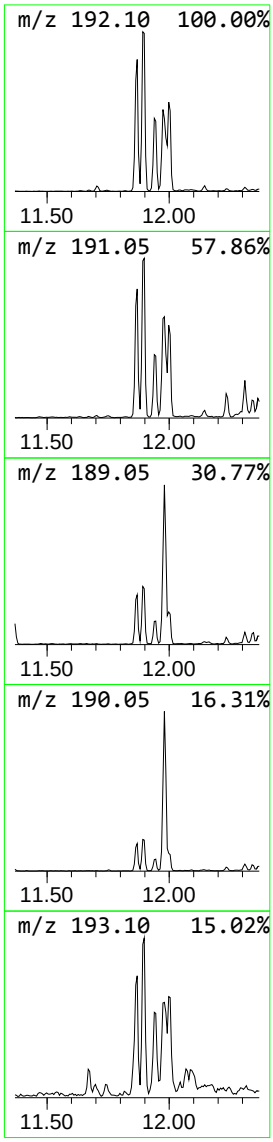
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	22.73 ng	614220	Phenanthrene-d10	11.363

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





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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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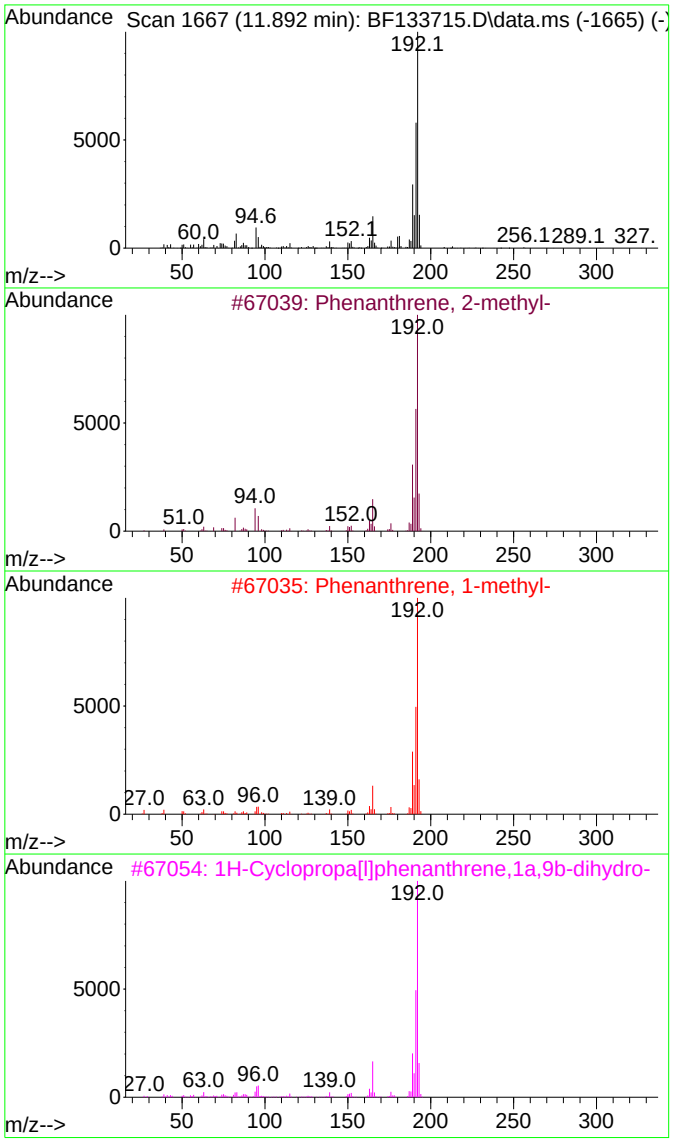
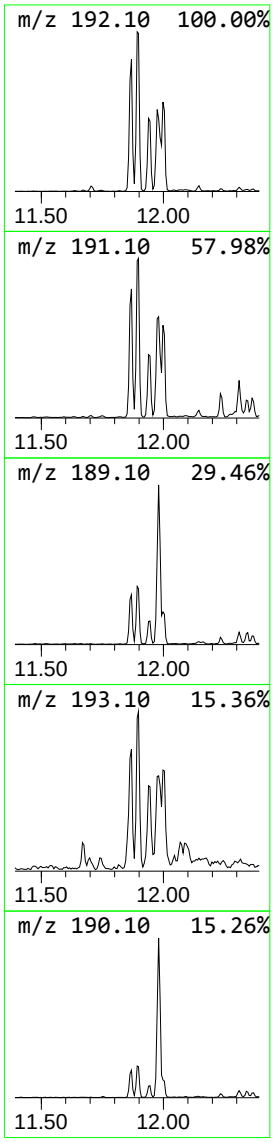
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	29.52 ng	797901	Phenanthrene-d10	11.363

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	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Misc :
ALS Vial : 16 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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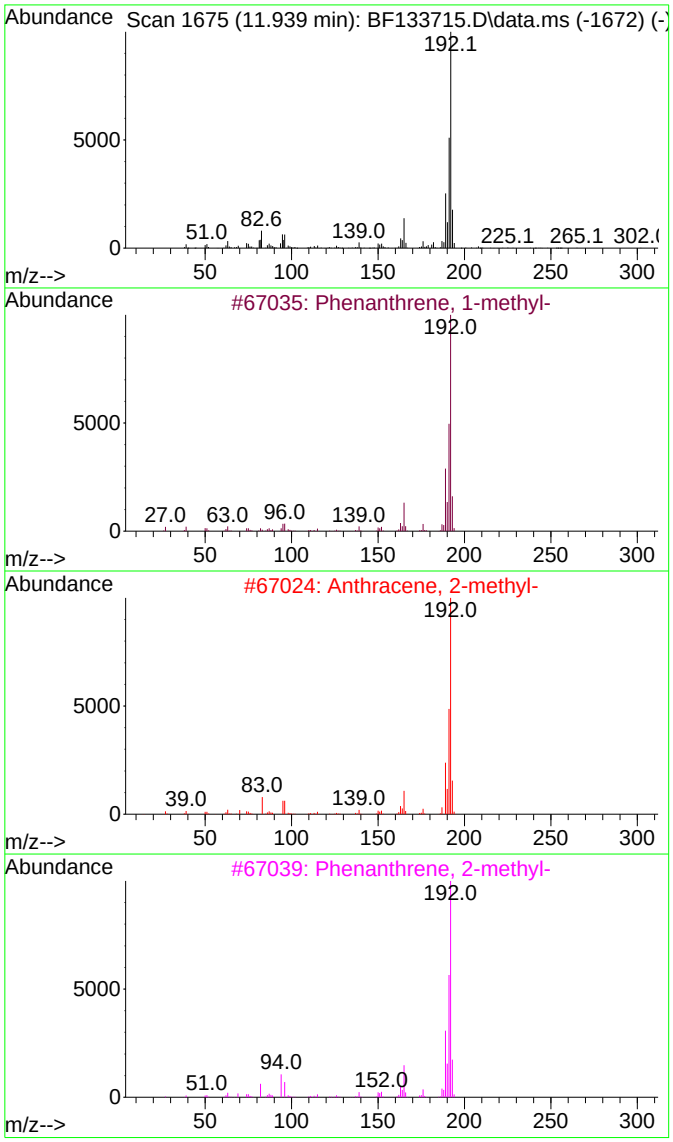
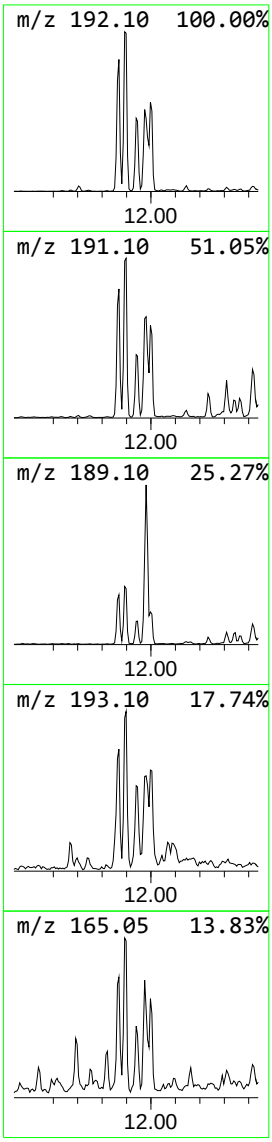
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	11.36 ng	307015	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 16 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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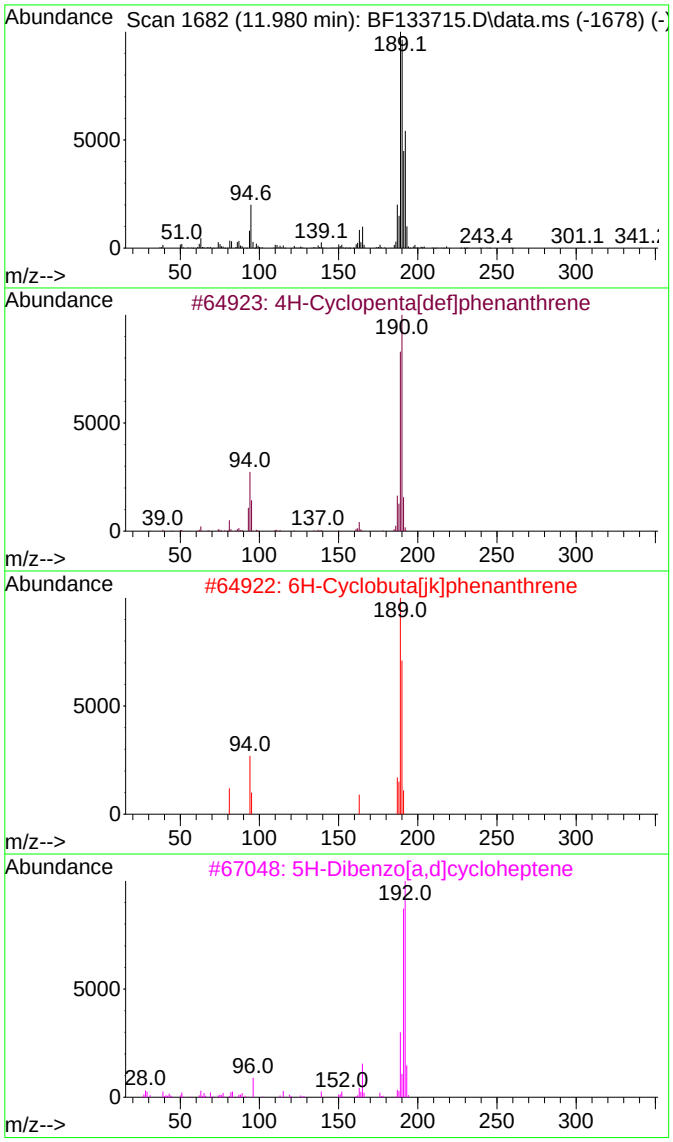
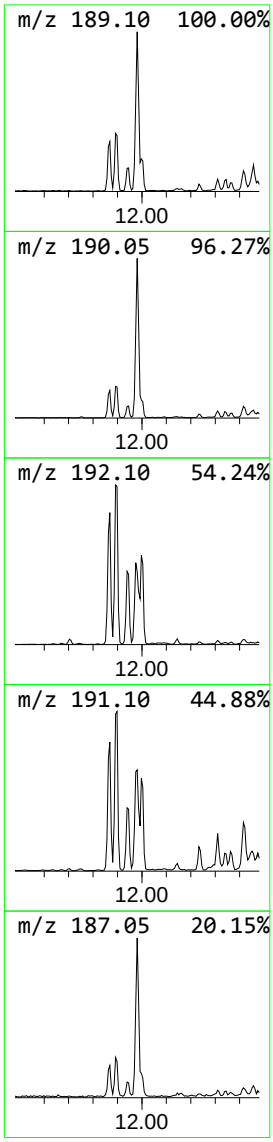
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	34.51 ng	932701	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20





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Misc :
ALS Vial : 16 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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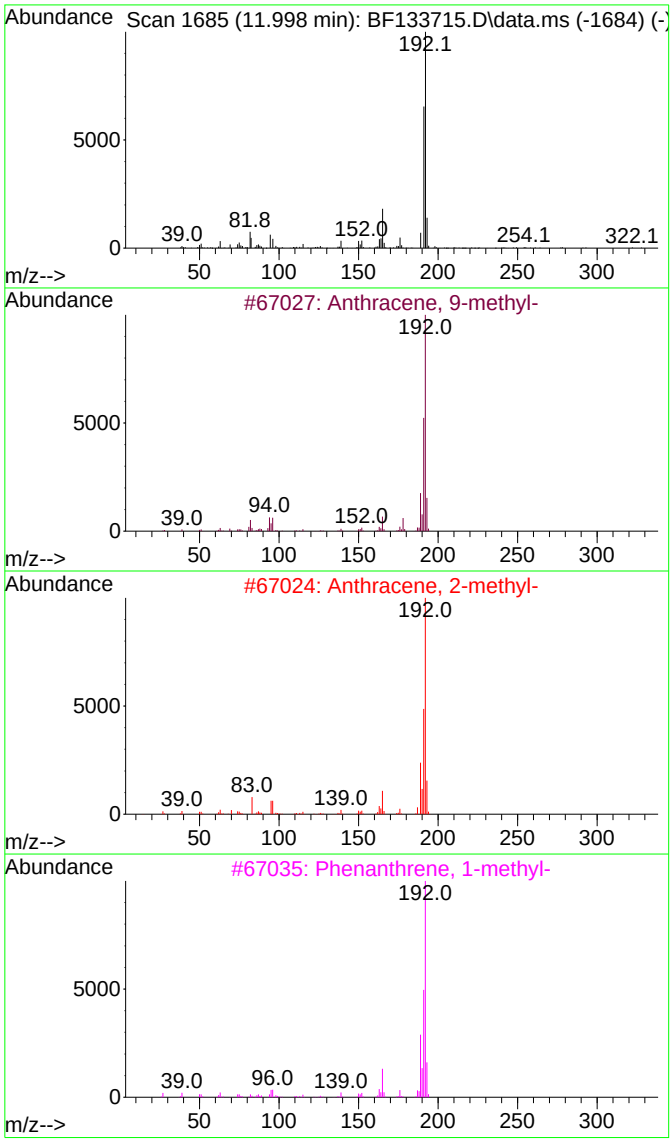
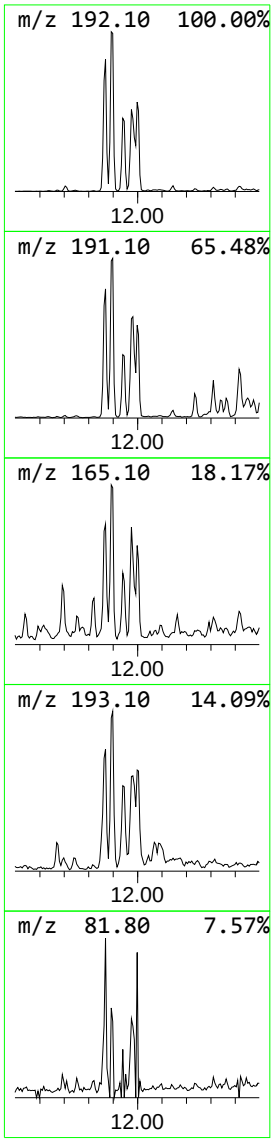
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	11.62 ng	314093	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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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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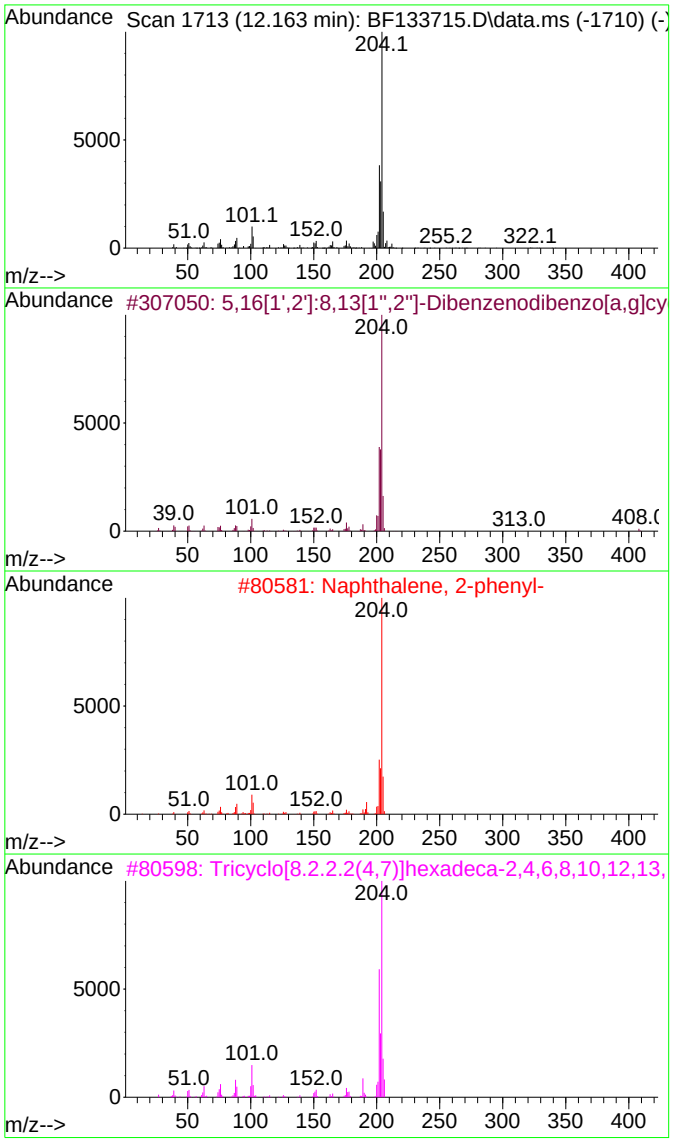
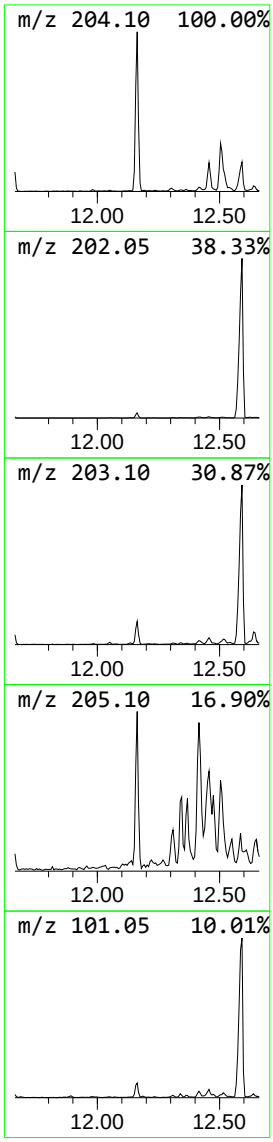
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	13.07 ng	353233	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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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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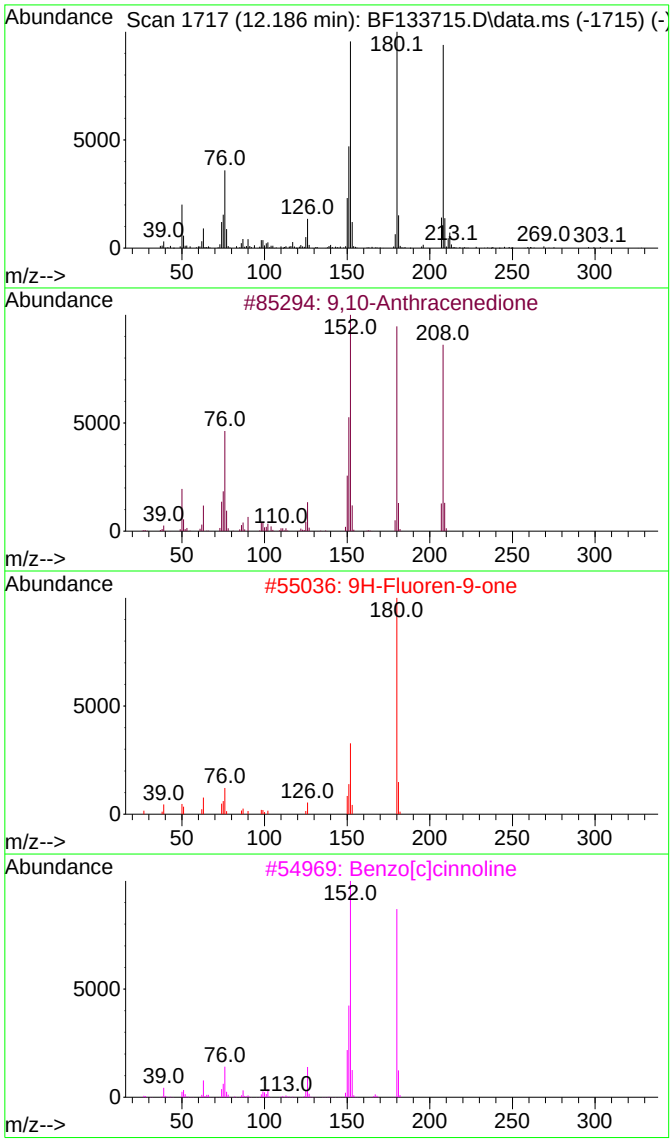
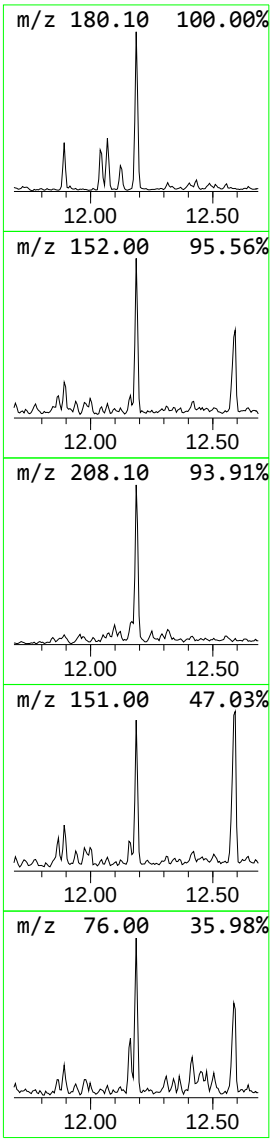
Peak Number 15 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	8.24 ng	222812	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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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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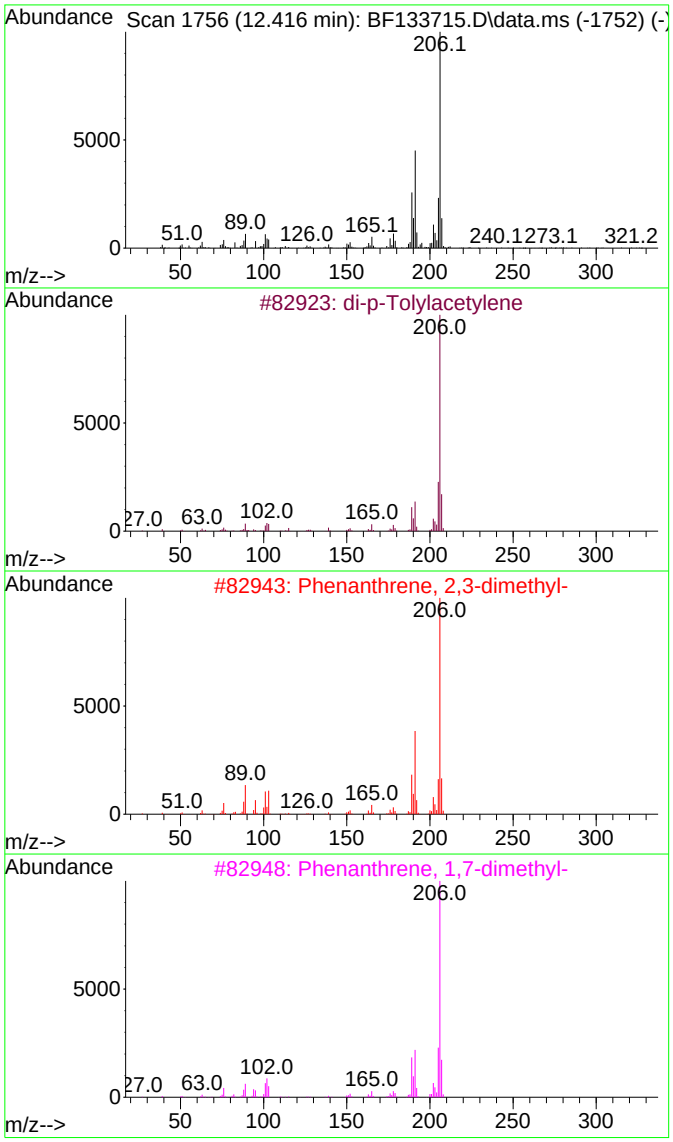
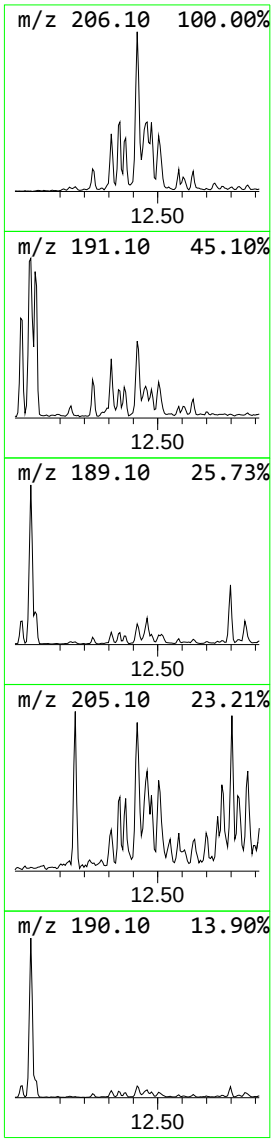
Peak Number 16 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	13.79 ng	372586	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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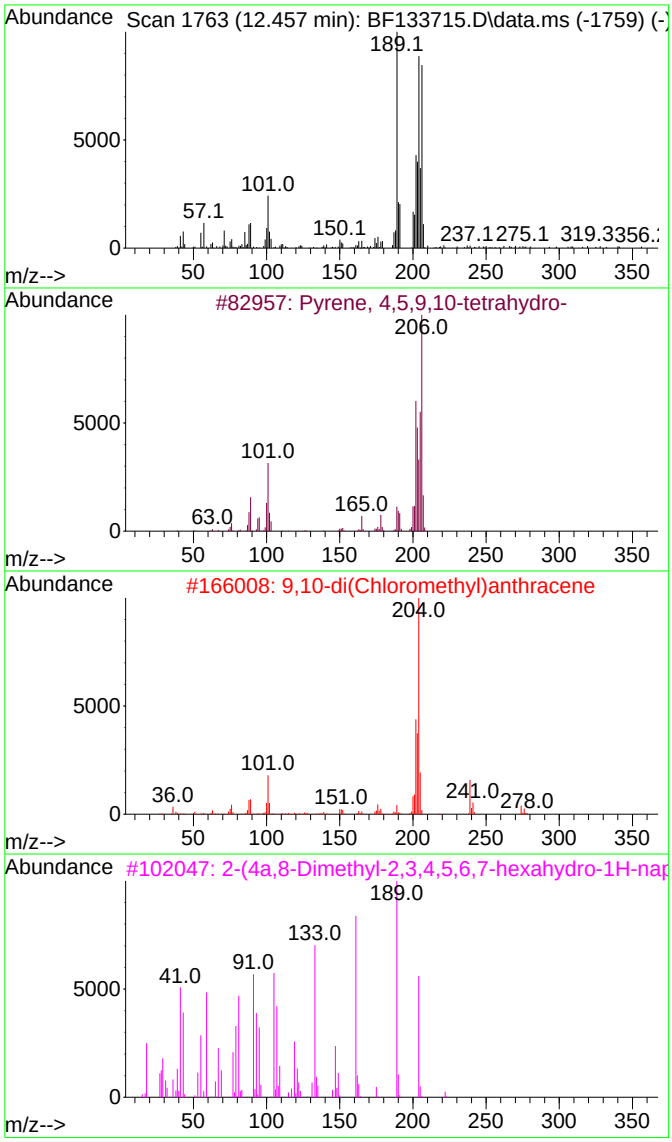
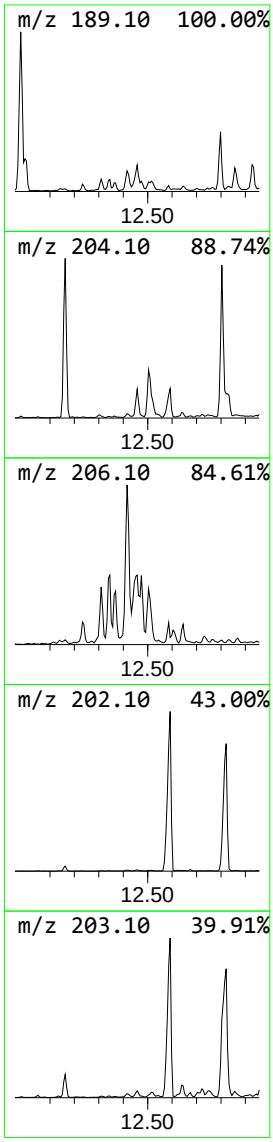
Peak Number 17 unknown12.457 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	10.67 ng	288424	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
3	2-(4a,8-Dimethyl-2,3,4,5,6,7-hex...	222	C15H26O	1000411-50-0	30
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	30
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30





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Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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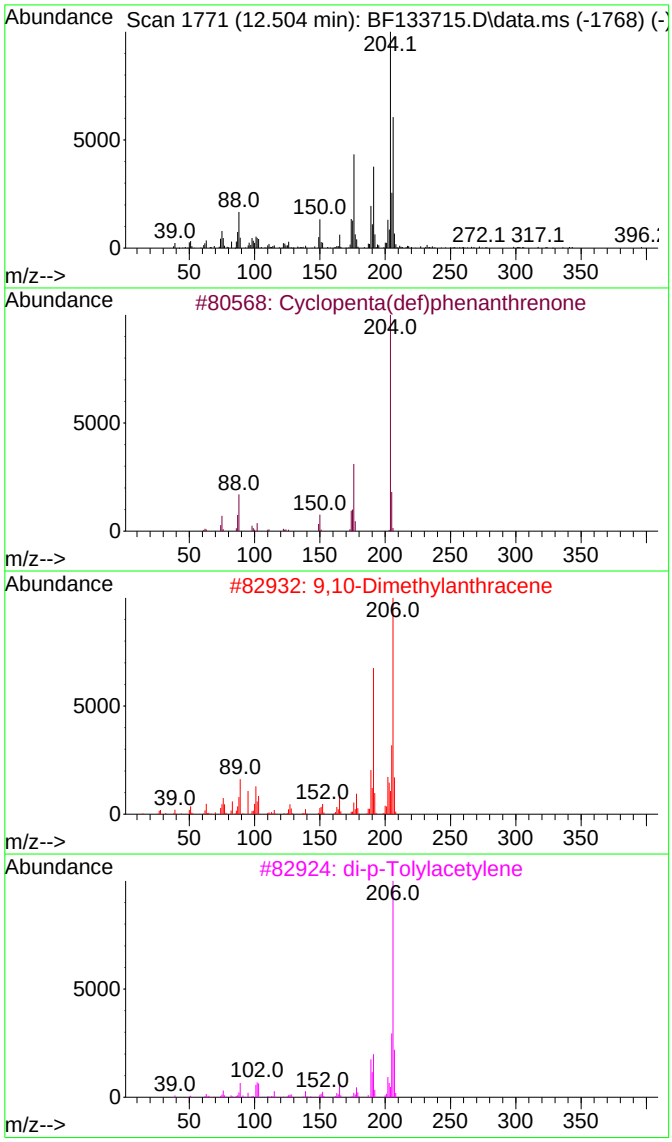
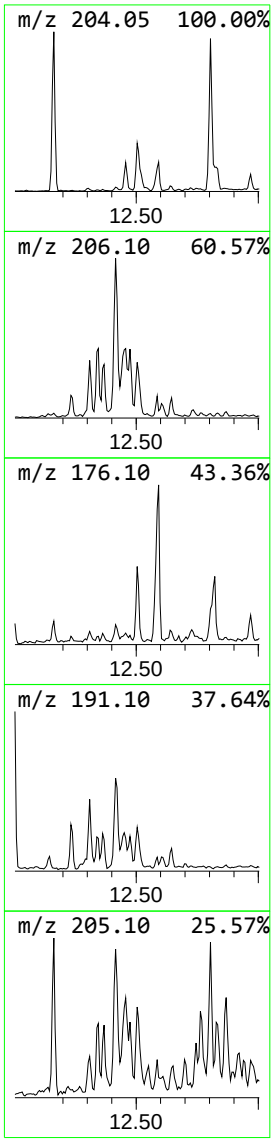
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	10.32 ng	278850	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	38
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	30





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Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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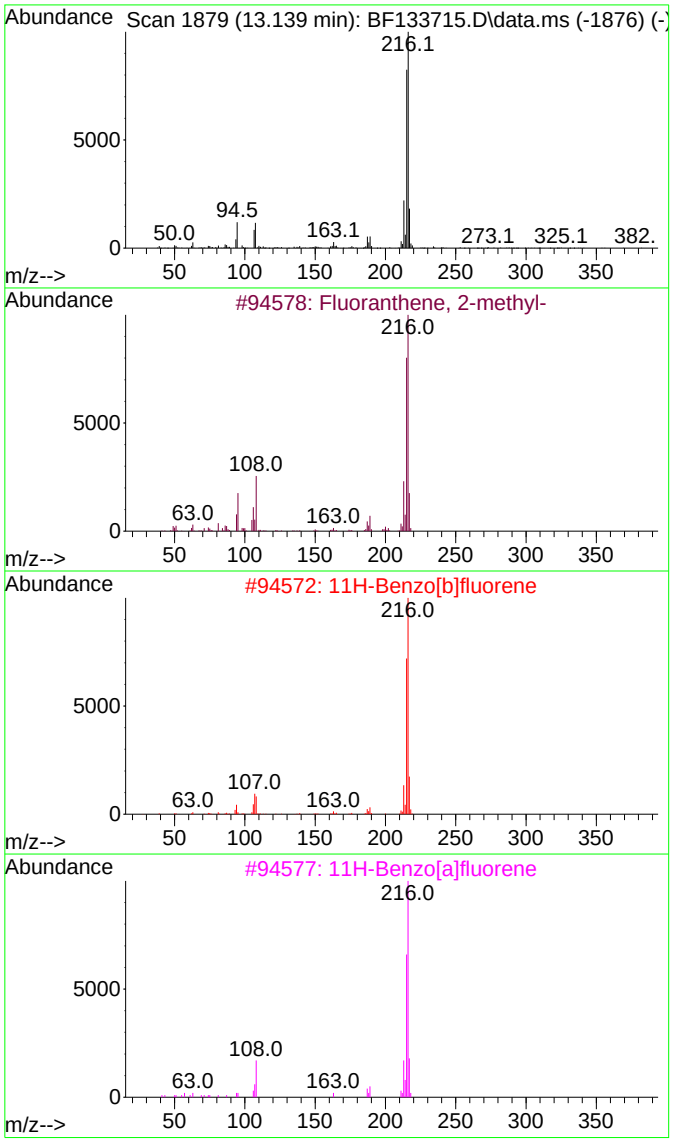
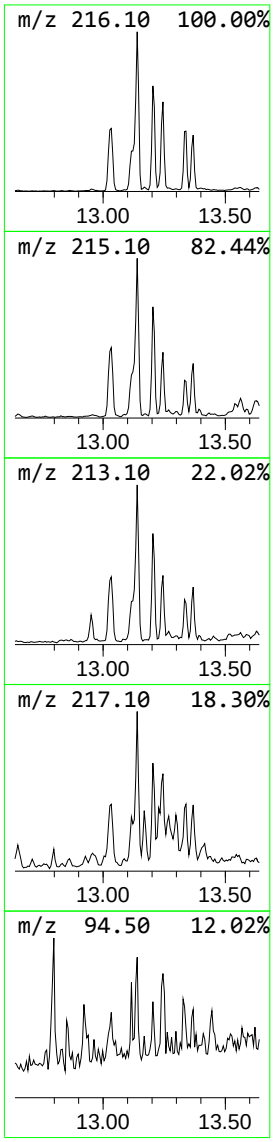
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	5.20 ng	513113	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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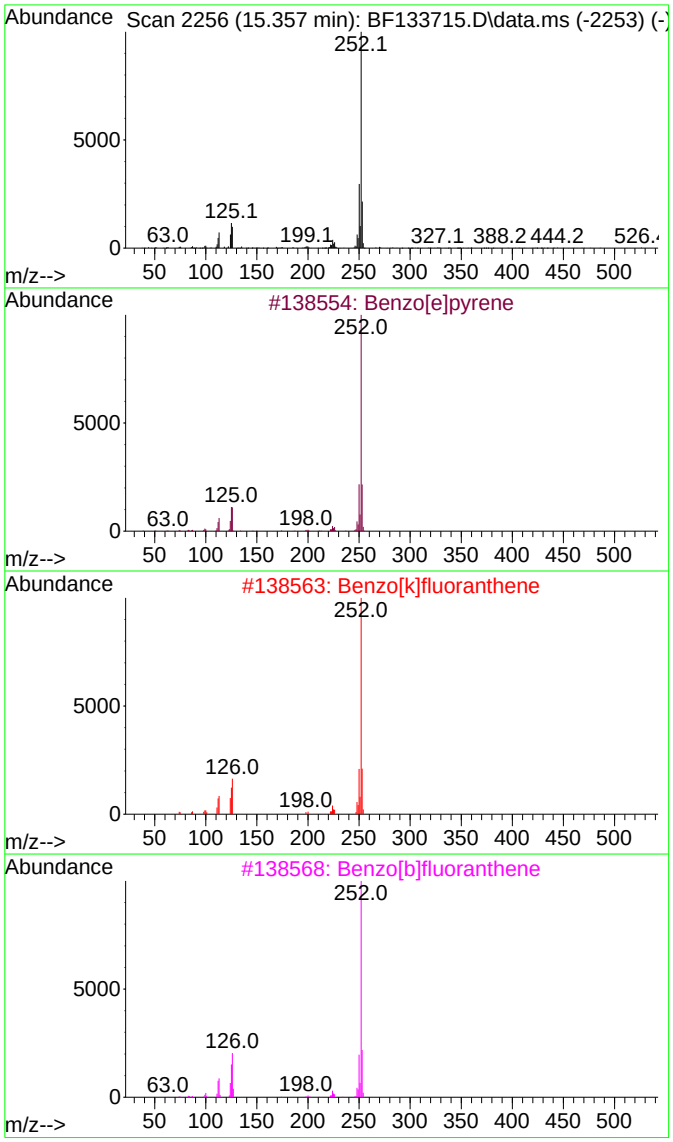
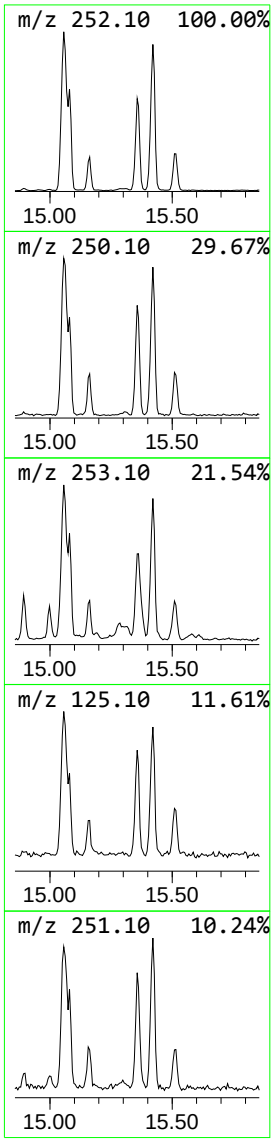
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.357	42.61 ng	473176	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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,...	9.457	5.0	ng	135551	3	9.875	538623	20.0
Naphthalene, 1,...	9.528	6.6	ng	177284	3	9.875	538623	20.0
Dibenzofuran, 4...	10.580	8.9	ng	240532	3	9.875	538623	20.0
9H-Fluorene, 2-...	10.969	8.8	ng	239229	4	11.363	540525	20.0
2-[2-Phenylethe...	11.098	5.4	ng	146290	4	11.363	540525	20.0
9H-Fluoren-9-one	11.163	7.2	ng	193375	4	11.363	540525	20.0
4-(4-Methylphen...	11.210	7.6	ng	206145	4	11.363	540525	20.0
Naphtho[2,1-b]t...	11.257	11.2	ng	302018	4	11.363	540525	20.0
Phenanthrene, 2...	11.869	22.7	ng	614220	4	11.363	540525	20.0
Phenanthrene, 1...	11.892	29.5	ng	797901	4	11.363	540525	20.0
Anthracene, 2-m...	11.939	11.4	ng	307015	4	11.363	540525	20.0
4H-Cyclopenta[d...	11.980	34.5	ng	932701	4	11.363	540525	20.0
Anthracene, 9-m...	11.998	11.6	ng	314093	4	11.363	540525	20.0
5,16[1',2']:8,1...	12.163	13.1	ng	353233	4	11.363	540525	20.0
9,10-Anthracene...	12.186	8.2	ng	222812	4	11.363	540525	20.0
di-p-Tolylacety...	12.416	13.8	ng	372586	4	11.363	540525	20.0
unknown12.457	12.457	10.7	ng	288424	4	11.363	540525	20.0
Cyclopenta(def)...	12.504	10.3	ng	278850	4	11.363	540525	20.0
Fluoranthene, 2...	13.139	5.2	ng	513113	5	14.015	1973160	20.0
Benzo[e]pyrene	15.357	42.6	ng	473176	6	15.480	222118	20.0