LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133052.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.340	550	553	566	rVB	367909	361742	2.28%	0.184%
2	6.369	725	728	736	rBV	396688	388853	2.45%	0.198%
3	6.739	788	791	795	rBV	1546310	1216425	7.68%	0.619%
4	8.028	1006	1010	1012	rBV	1887214	1651315	10.42%	0.840%
5	8.045	1012	1013	1016	rVB	790178	433853	2.74%	0.221%
6	9.098	1188	1192	1195	rBV	604918	438767	2.77%	0.223%
7	9.775	1302	1307	1310	rBV	1927827	1639827	10.35%	0.834%
8	9.810	1310	1313	1316	rVB	3100892	2298303	14.50%	1.169%
9	9.980	1338	1342	1345	rVB	1089032	819253	5.17%	0.417%
10	10.322	1396	1400	1405	rBV	2147827	1664790	10.50%	0.847%
11	10.386	1409	1411	1413	rVV	459185	406372	2.56%	0.207%
12	10.410	1413	1415	1417	rVV	409377	307160	1.94%	0.156%
13	10.557	1437	1440	1445	rBV	535574	605841	3.82%	0.308%
14	10.869	1490	1493	1496	rVV2	333707	339914	2.14%	0.173%
15	11.063	1523	1526	1531	rVB	394654	360184	2.27%	0.183%
16	11.122	1531	1536	1538	rBV2	412658	451913	2.85%	0.230%
17	11.157	1538	1542	1545	rVB	639840	558946	3.53%	0.284%
18	11.263	1556	1560	1561	rBV	1227905	1271536	8.02%	0.647%
19	11.292	1561	1565	1568	rVV	7644390	9005176	56.82%	4.582%
20	11.339	1568	1573	1576	rVV	4163584	3564146	22.49%	1.814%
21	11.369	1576	1578	1582	rVB	390203	316704	2.00%	0.161%
22	11.486	1592	1598	1601	rBV2	1330600	1406192	8.87%	0.716%
23	11.763	1639	1645	1647	rBV	1230675	1124290	7.09%	0.572%
24	11.792	1647	1650	1653	rVV	1758206	1542398	9.73%	0.785%
25	11.839	1653	1658	1661	rVV	797856	808013	5.10%	0.411%
26	11.874	1661	1664	1666	rVV	2891101	2793020	17.62%	1.421%
27	11.892	1666	1667	1672	rVV	796182	637664	4.02%	0.324%
28	12.057	1692	1695	1697	rVV	1106337	967301	6.10%	0.492%
29	12.080	1697	1699	1702	rVV	686476	557426	3.52%	0.284%
30	12.204	1716	1720	1723	rBV	359323	323755	2.04%	0.165%
31	12.310	1734	1738	1741	rBV	469174	547229	3.45%	0.278%
32	12.351	1741	1745	1747	rVV	349962	381510	2.41%	0.194%
33	12.404	1750	1754	1758	rBV	462994	598760	3.78%	0.305%
34	12.492	1761	1769	1772	rBV	8866922	14296278	90.20%	7.274%
35	12.533	1772	1776	1780	rBV2	403911	486933	3.07%	0.248%
36	12.621	1784	1791	1794	rBV2	829926	976639	6.16%	0.497%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.721	1801	1808	1811	rBV3	8480362	15848708	100.00%	8.064%
38	12.751	1811	1813	1820	rVB	915315	845822	5.34%	0.430%
39	12.821	1820	1825	1827	rBV	1317026	1202697	7.59%	0.612%
40	12.857	1827	1831	1835	rVB2	1607568	1762026	11.12%	0.897%
41	12.921	1836	1842	1845	rBV2	1129468	1956080	12.34%	0.995%
42	12.951	1845	1847	1850	rVB	746024	542492	3.42%	0.276%
43	13.004	1850	1856	1858	rBV3	999468	1489306	9.40%	0.758%
44	13.033	1858	1861	1864	rVB	3665363	3481933	21.97%	1.772%
45	13.098	1869	1872	1875	rVV	3261584	3328306	21.00%	1.694%
46	13.133	1875	1878	1881	rVV2	1949477	2404193	15.17%	1.223%
47	13.163	1881	1883	1886	rVV	1549219	1406764	8.88%	0.716%
48	13.192	1886	1888	1890	rVV	657292	539991	3.41%	0.275%
49	13.227	1890	1894	1896	rVV	1041776	952360	6.01%	0.485%
50	13.257	1896	1899	1903	rVV2	1202930	1342015	8.47%	0.683%
51	13.333	1909	1912	1916	rVB4	267633	351190	2.22%	0.179%
52	13.415	1922	1926	1927	rBV3	376922	428706	2.70%	0.218%
53	13.433	1927	1929	1930	rVV	535471	468837	2.96%	0.239%
54	13.457	1930	1933	1935	rVV2	1052133	1103360	6.96%	0.561%
55	13.515	1939	1943	1944	rBV2	637007	733406	4.63%	0.373%
56	13.533	1944	1946	1951	rVB	882620	1158054	7.31%	0.589%
57	13.651	1961	1966	1968	rBV	2230832	2353573	14.85%	1.198%
58	13.680	1968	1971	1973	rVV	1873118	1841817	11.62%	0.937%
59	13.704	1973	1975	1981	rVV4	1551976	2559467	16.15%	1.302%
60	13.751	1981	1983	1987	rVB	1021485	888723	5.61%	0.452%
61	13.815	1988	1994	1998	rBV	863116	1015604	6.41%	0.517%
62	13.904	2000	2009	2012	rBV2	7100784	14423295	91.01%	7.339%
63	13.945	2012	2016	2022	rVB	7682448	10127273	63.90%	5.153%
64	14.015	2022	2028	2031	rBV	3057295	3026586	19.10%	1.540%
65	14.092	2038	2041	2043	rVB	1438860	1213887	7.66%	0.618%
66	14.127	2043	2047	2050	rVB2	1510005	1981101	12.50%	1.008%
67	14.157	2050	2052	2055	rVB3	396901	343559	2.17%	0.175%
68	14.221	2059	2063	2066	rBV2	510892	810222	5.11%	0.412%
69	14.251	2066	2068	2070	rVB	533730	378105	2.39%	0.192%
70	14.292	2070	2075	2077	rBV	2038307	2141500	13.51%	1.090%
71	14.321	2077	2080	2083	rVB2	1281345	1171839	7.39%	0.596%
72	14.386	2084	2091	2093	rBV2	1199145	1738928	10.97%	0.885%
73	14.415	2093	2096	2097	rBV	1134899	982142	6.20%	0.500%
74	14.433	2097	2099	2103	rVB3	1736664	1655447	10.45%	0.842%
75	14.468	2103	2105	2106	rBV	612117	494932	3.12%	0.252%
76	14.592	2122	2126	2128	rVV2	922093	974299	6.15%	0.496%

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-27-0-2-20230411

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.621	2128	2131	2136	rVV3	463908	778143	4.91%	0.396%
78	14.668	2136	2139	2142	rVV2	388063	464679	2.93%	0.236%
79	14.768	2152	2156	2160	rVV2	761058	1024994	6.47%	0.522%
80	14.827	2164	2166	2171	rVV3	228601	315648	1.99%	0.161%
81	14.945	2177	2186	2188	rBV	6012165	12068880	76.15%	6.141%
82	14.998	2192	2195	2198	rVV	390282	498951	3.15%	0.254%
83	15.033	2198	2201	2204	rVB	1504718	1419464	8.96%	0.722%
84	15.109	2211	2214	2216	rBV3	522577	645123	4.07%	0.328%
85	15.227	2227	2234	2239	rVB	3737344	5992278	37.81%	3.049%
86	15.292	2239	2245	2248	rVB	5035422	7262046	45.82%	3.695%
87	15.339	2248	2253	2255	rBV	855748	1179924	7.44%	0.600%
88	15.368	2255	2258	2263	rVB2	2122458	2669829	16.85%	1.358%
89	15.509	2277	2282	2283	rBV2	356679	547661	3.46%	0.279%
90	15.639	2301	2304	2307	rVB2	288550	341553	2.16%	0.174%
91	15.674	2307	2310	2316	rVB3	362850	583637	3.68%	0.297%
92	15.786	2326	2329	2334	rBV2	208740	370737	2.34%	0.189%
93	15.862	2339	2342	2350	rVB2	474350	723364	4.56%	0.368%
94	16.545	2450	2458	2460	rBV2	473603	980485	6.19%	0.499%
95	16.733	2482	2490	2496	rVB2	2215819	4596392	29.00%	2.339%
96	16.792	2496	2500	2507	rVB	219940	394341	2.49%	0.201%
97	16.886	2509	2516	2520	rBV2	554739	1153282	7.28%	0.587%
98	16.939	2520	2525	2529	rBV2	389113	649002	4.09%	0.330%
99	17.151	2552	2561	2570	rBV	1587471	3594380	22.68%	1.829%
100	17.356	2591	2596	2609	rVB2	507609	1260765	7.96%	0.642%

Sum of corrected areas: 196532531

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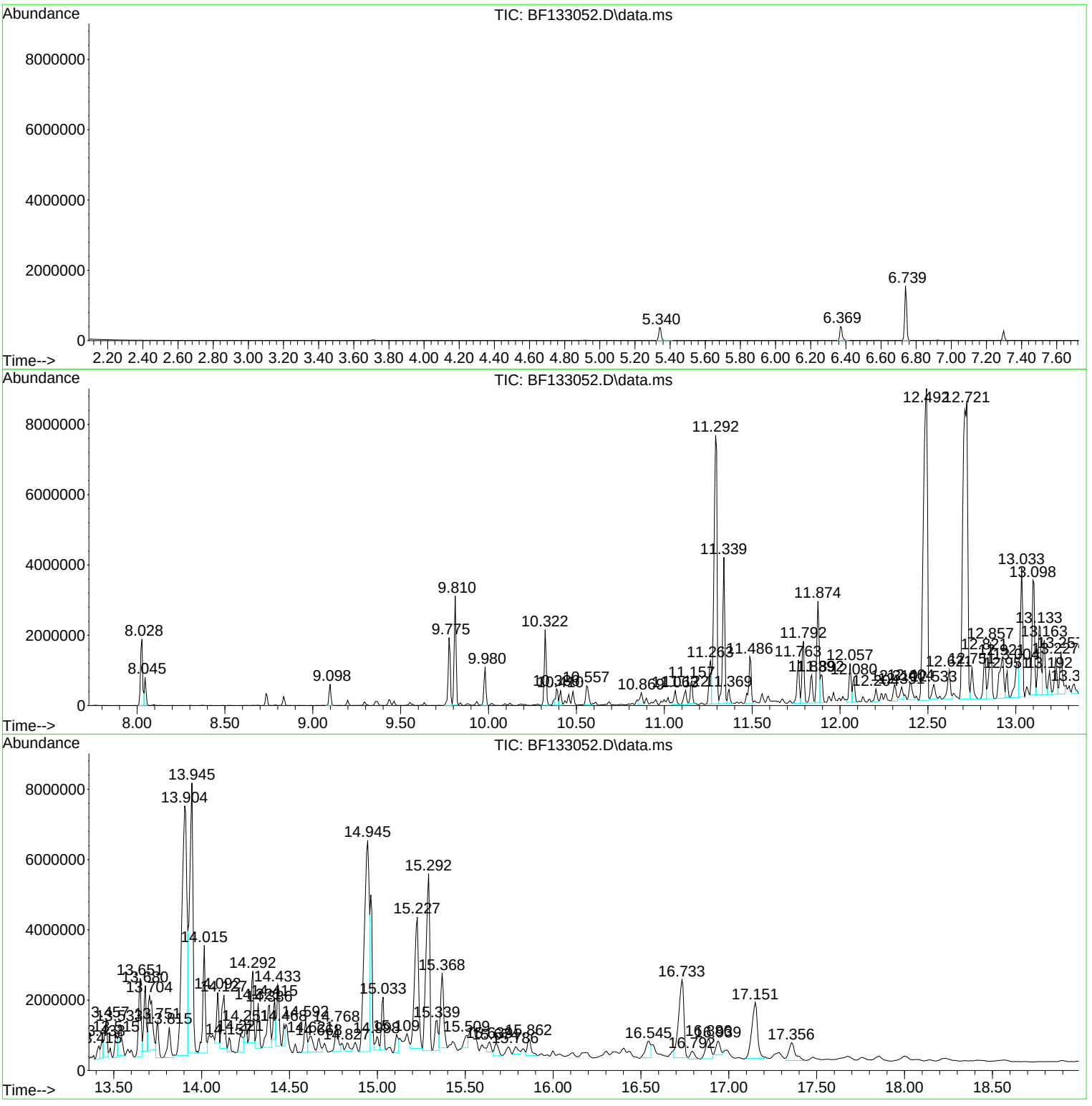
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
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Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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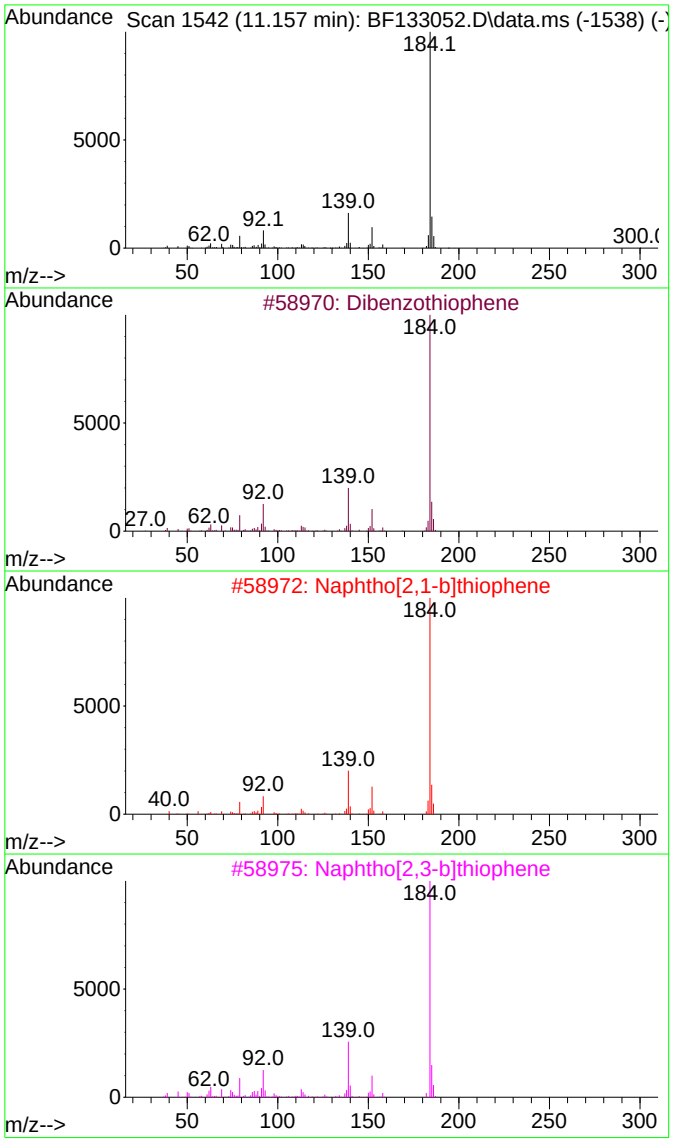
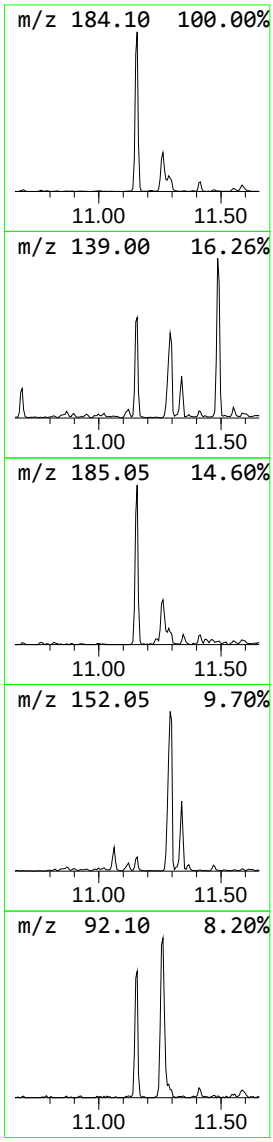
Peak Number 1 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	8.79 ng	558946	Phenanthrene-d10	11.263

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	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

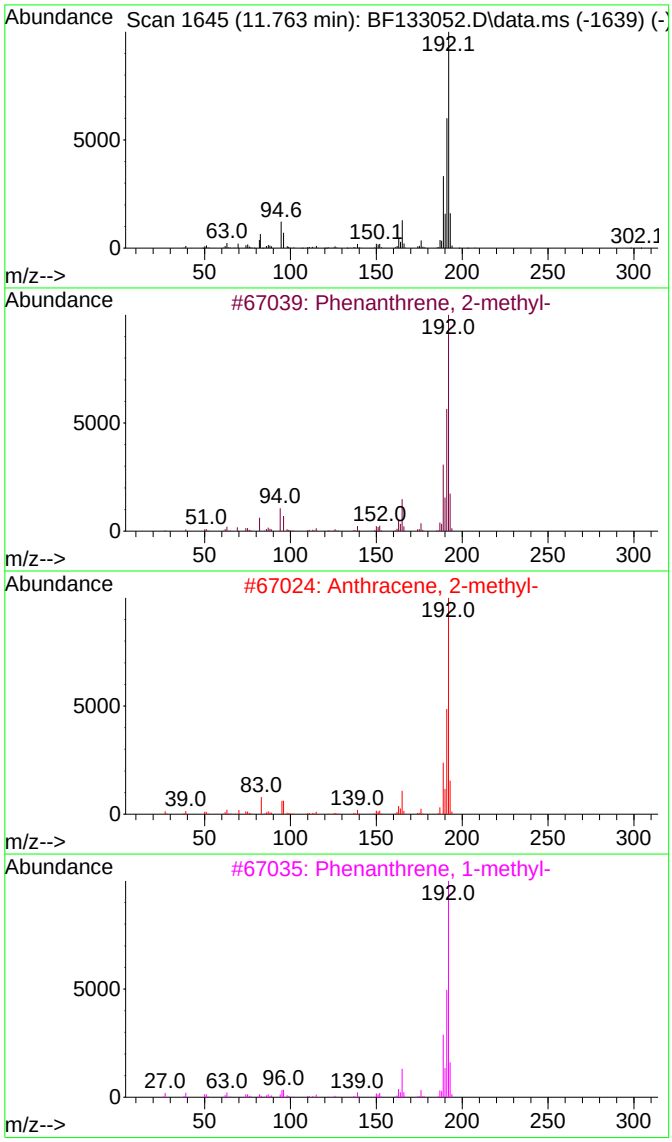
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

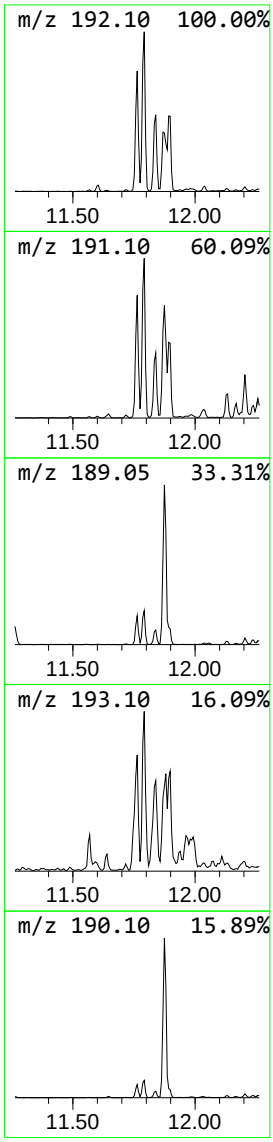
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	17.68 ng	1124290	Phenanthrene-d10	11.263

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	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
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ALS Vial : 21 Sample Multiplier: 1

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BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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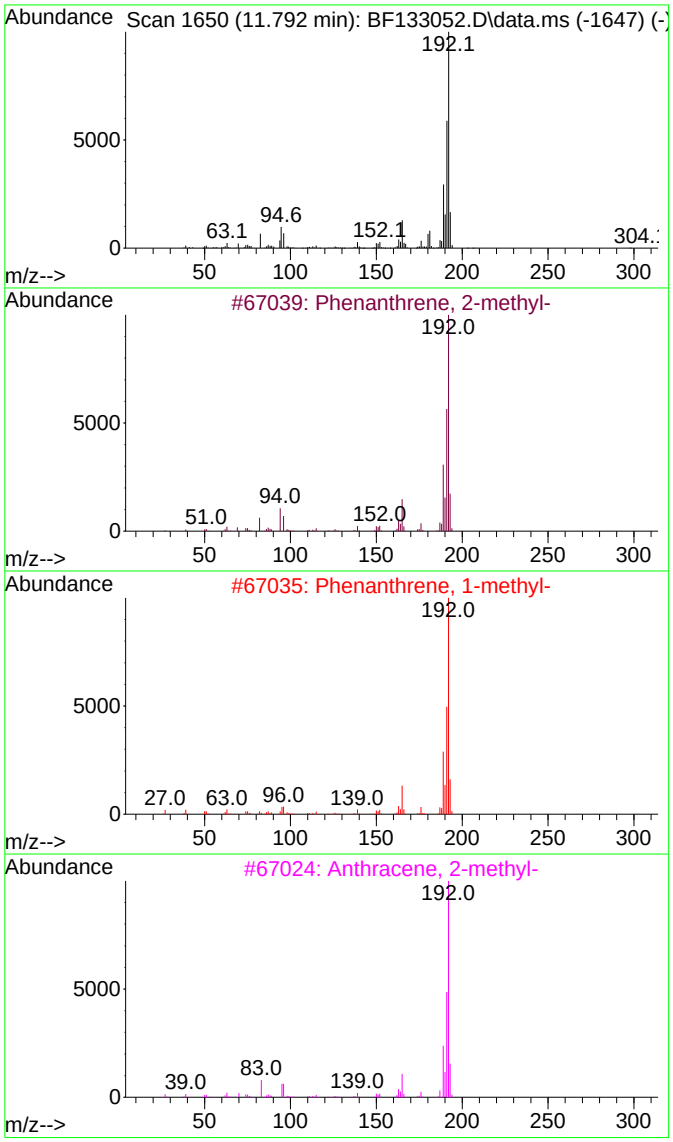
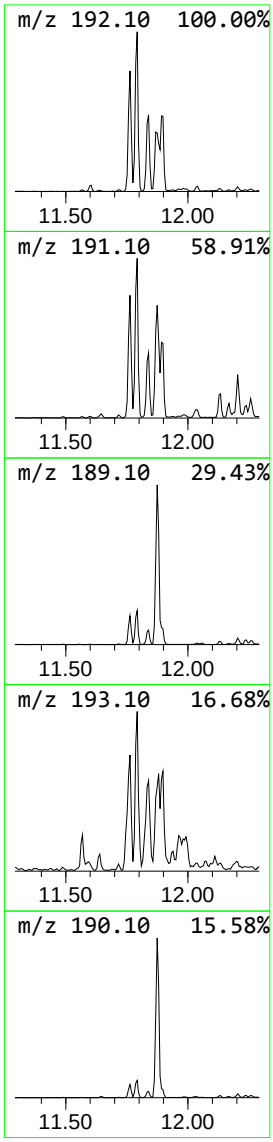
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	24.26 ng	1542400	Phenanthrene-d10	11.263

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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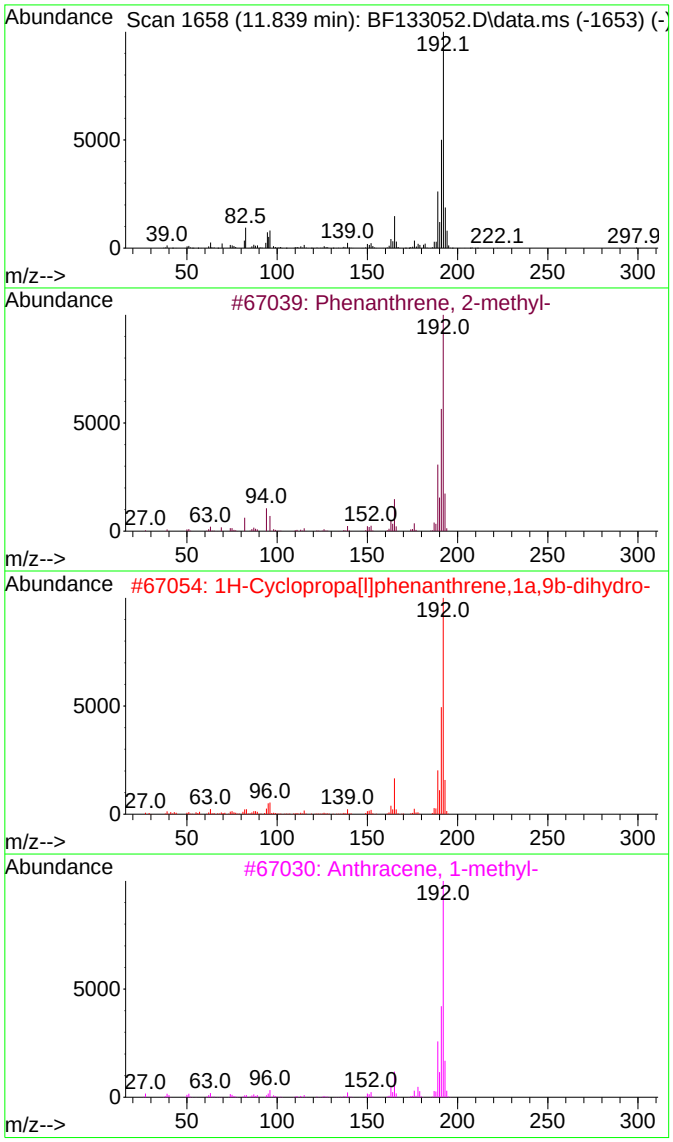
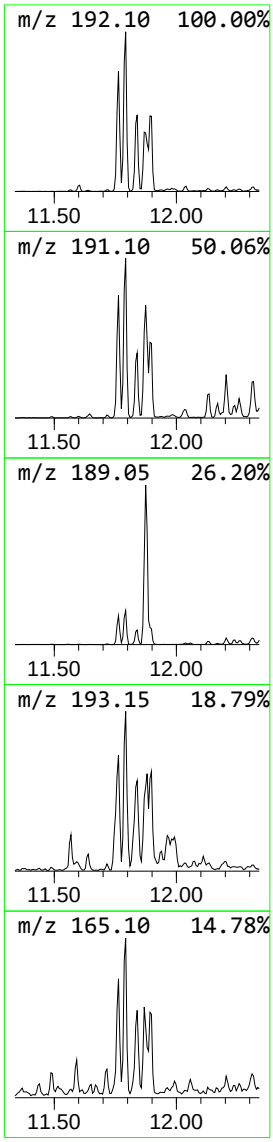
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	12.71 ng	808013	Phenanthrene-d10	11.263

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

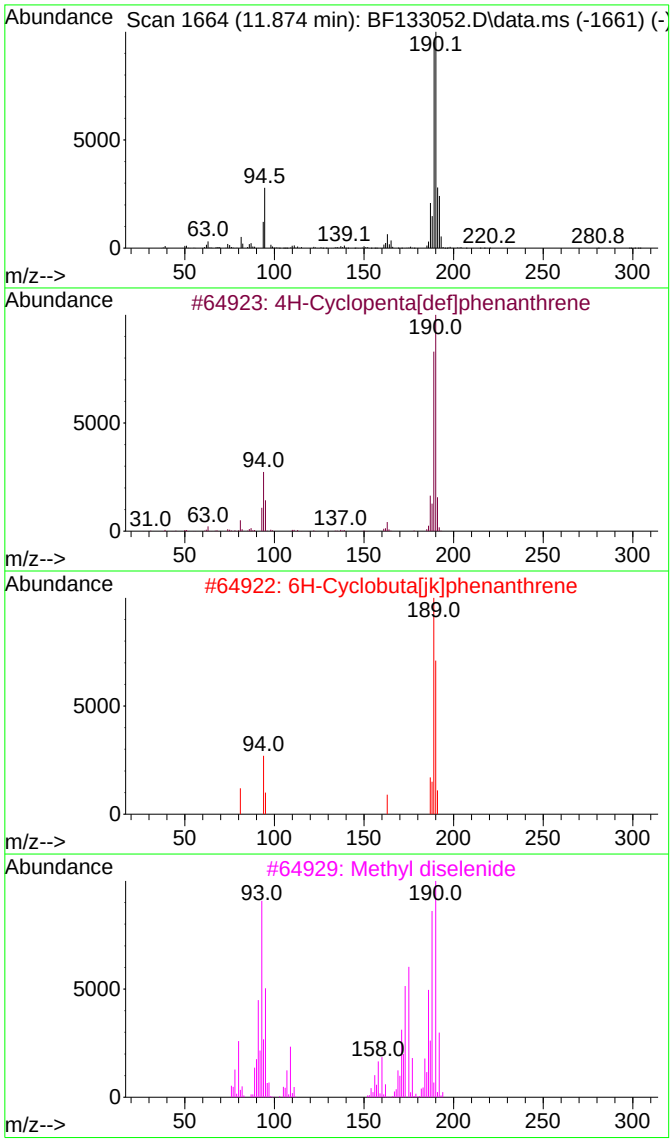
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

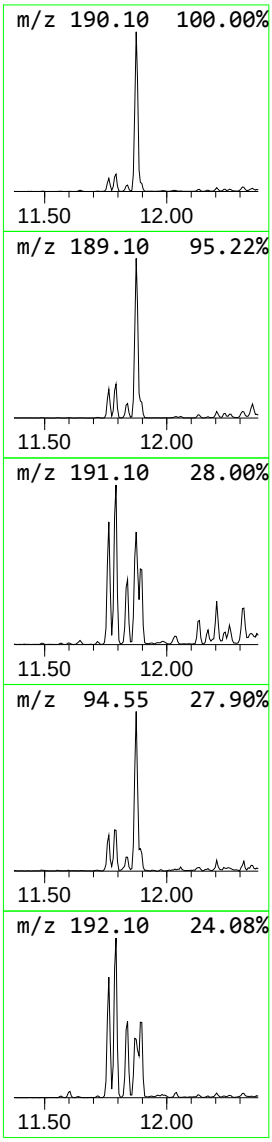
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	43.93 ng	2793020	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28





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Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
SB-27-0-2-20230411

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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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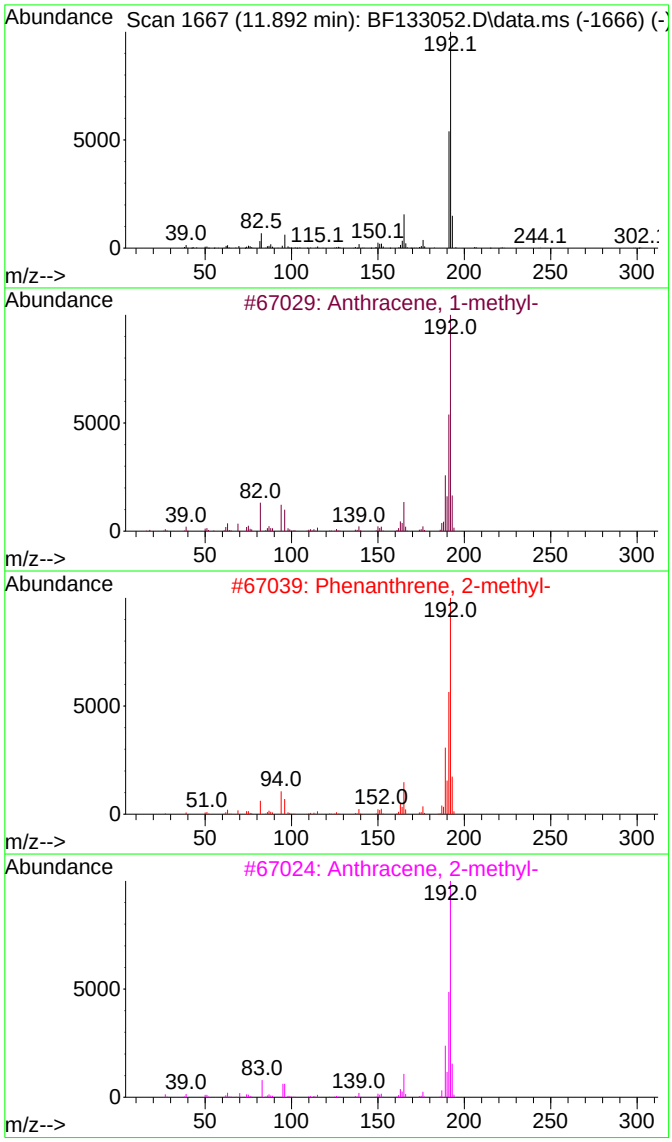
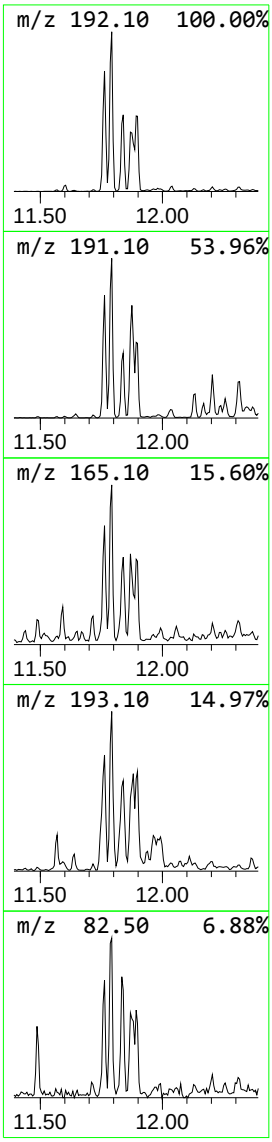
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	10.03 ng	637664	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	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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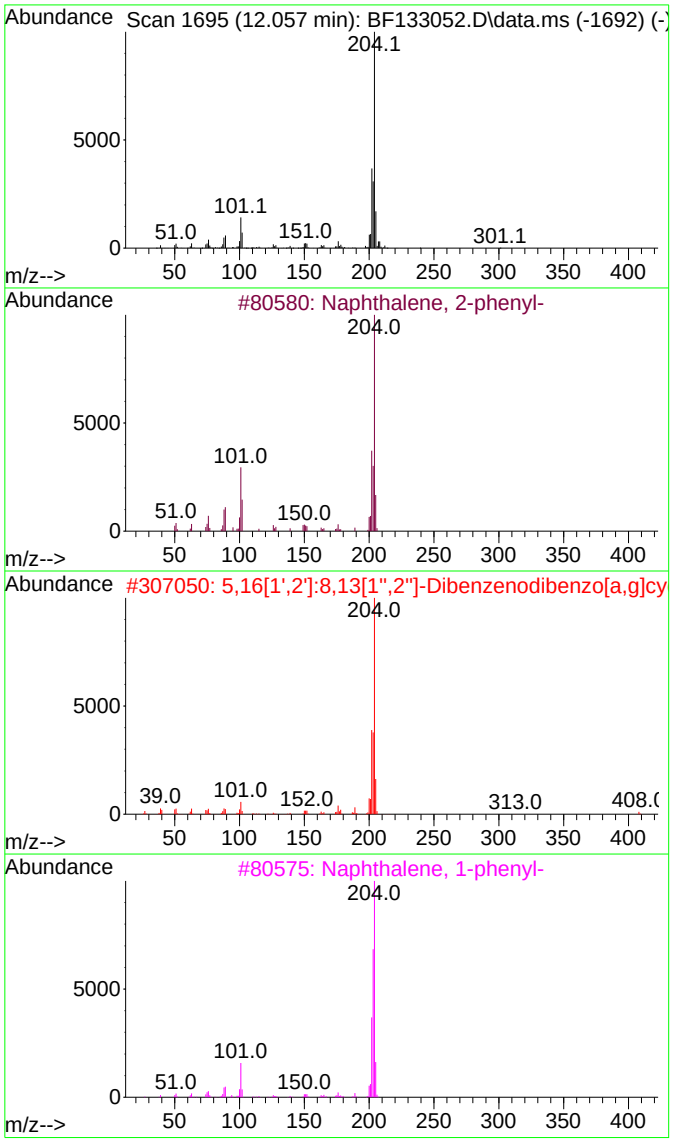
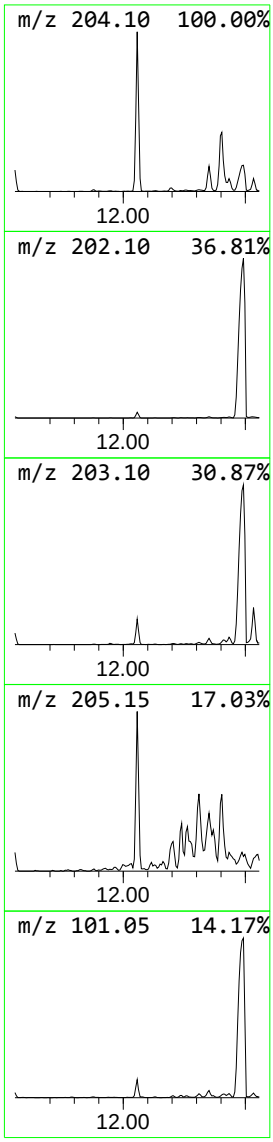
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	15.21 ng	967301	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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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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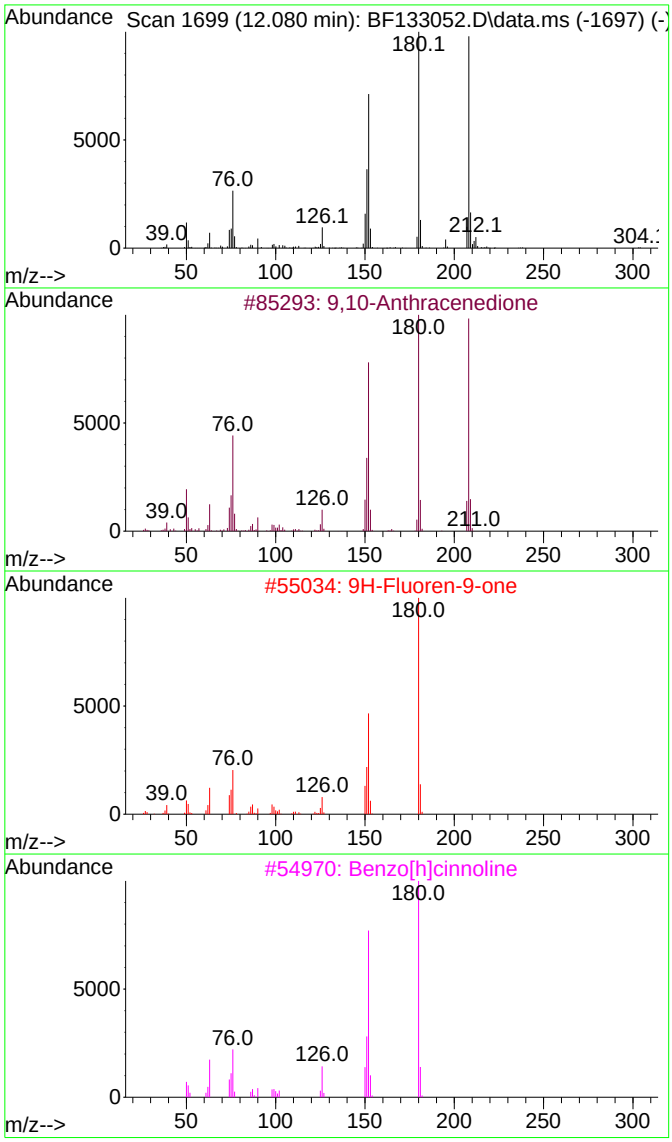
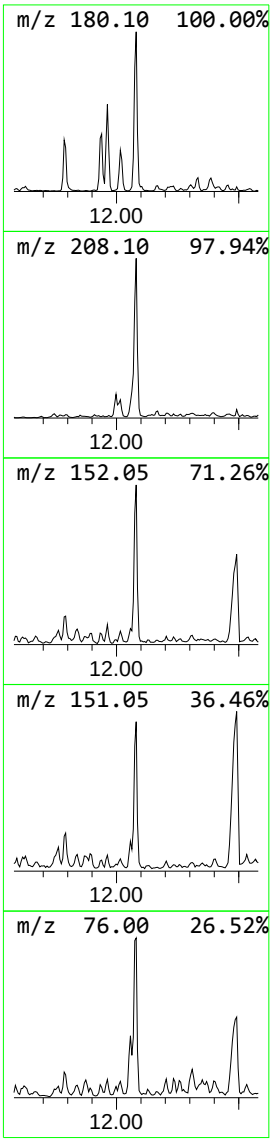
Peak Number 8 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	8.77 ng	557426	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	52





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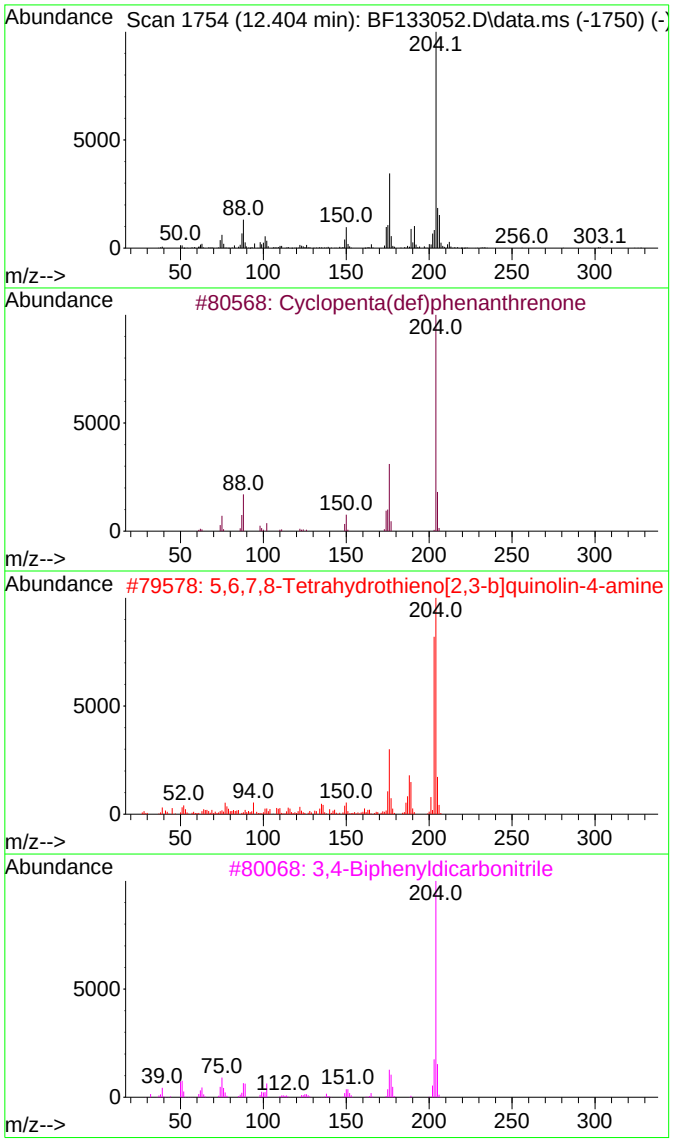
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

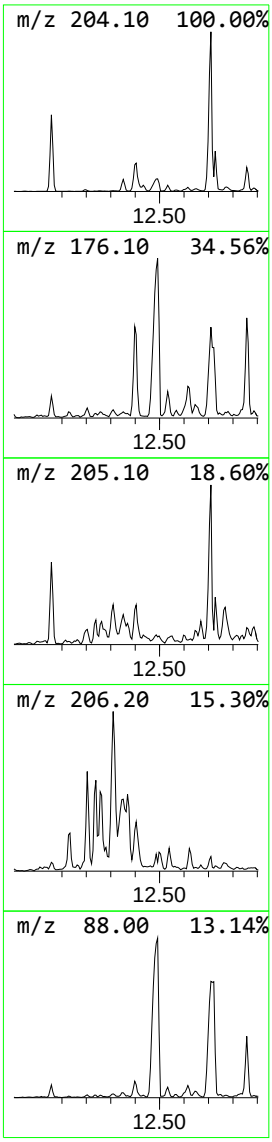
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	9.42 ng	598760	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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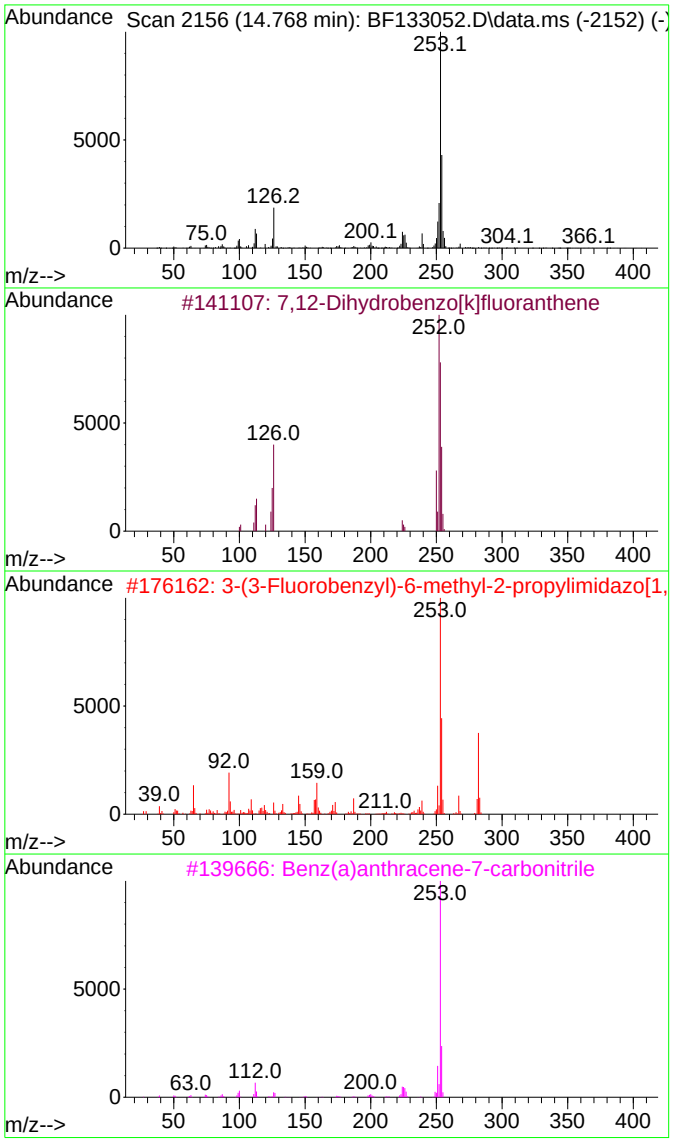
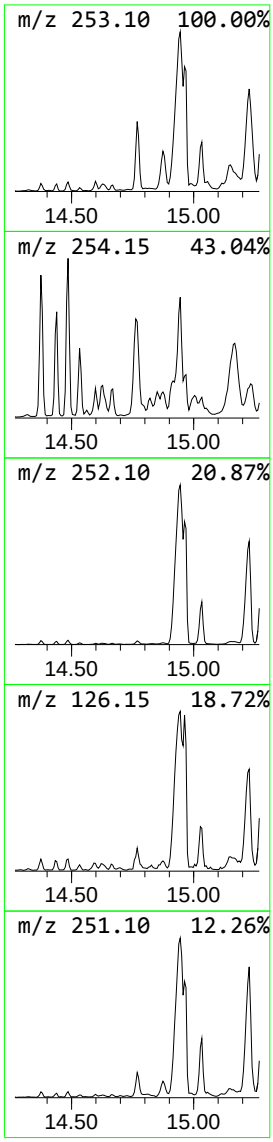
Peak Number 10 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.768	17.37 ng	1024990	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	72
2	3-(3-Fluorobenzyl)-6-methyl-2-pr...	282	C18H19FN2	1000457-96-1	64
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	50
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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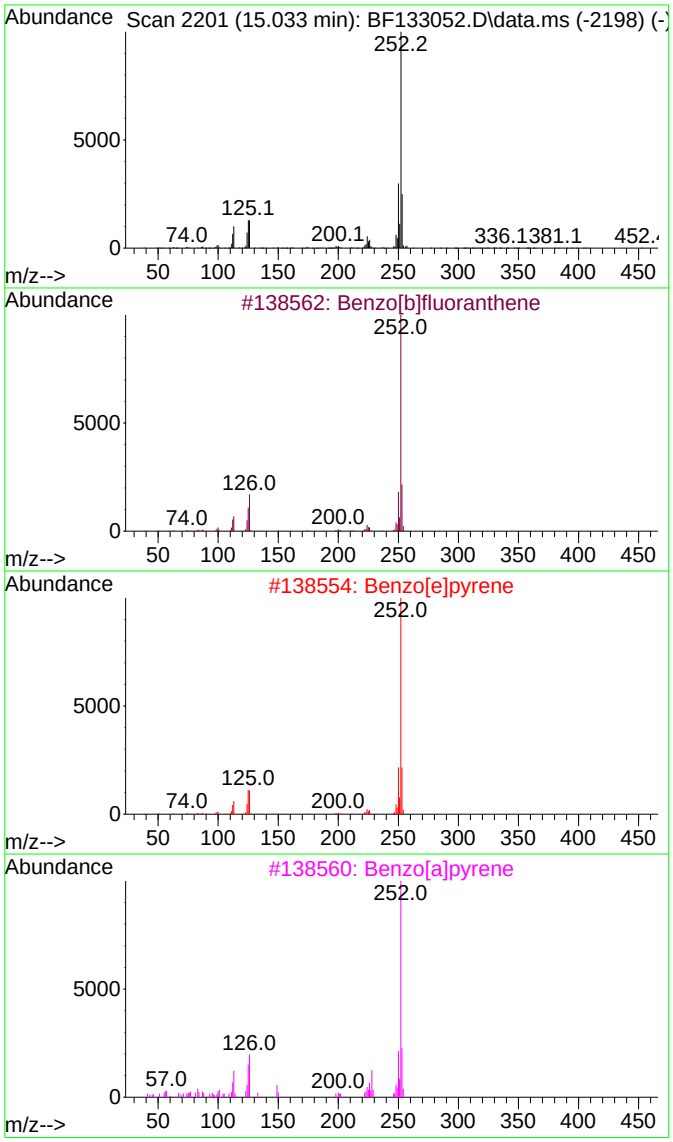
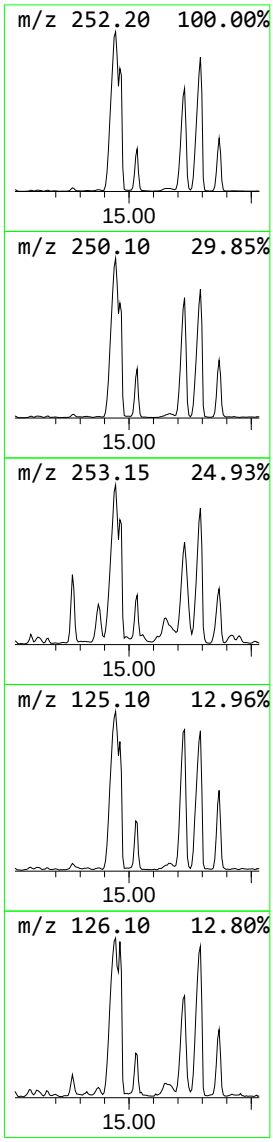
Peak Number 11 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.033	24.06 ng	1419460	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	83





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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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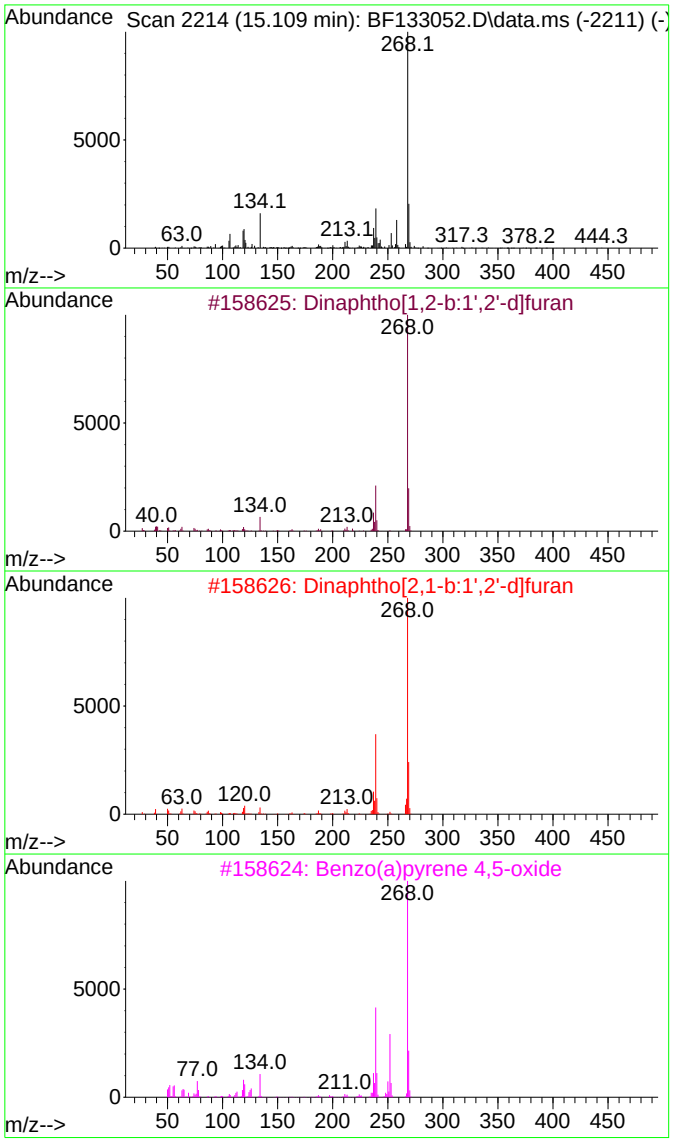
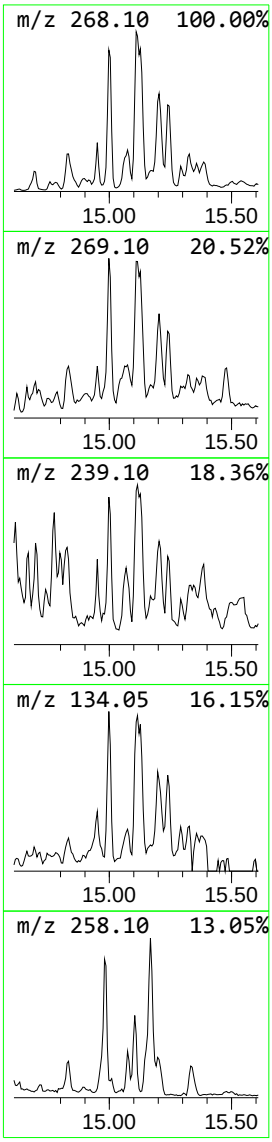
Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	10.94 ng	645123	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
4	Disperse Blue 1	268	C14H12N4O2	002475-45-8	64
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59





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

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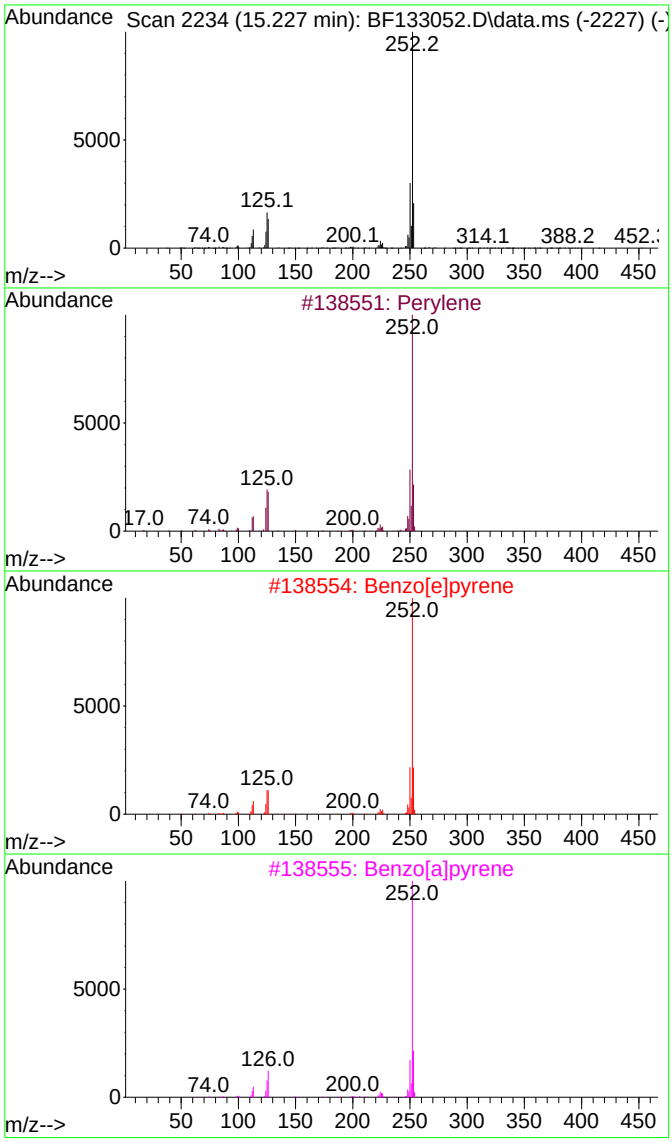
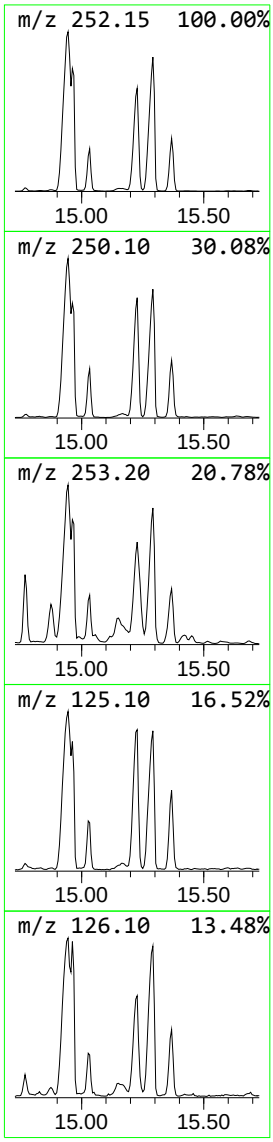
Peak Number 13 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	101.57 ng	5992280	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	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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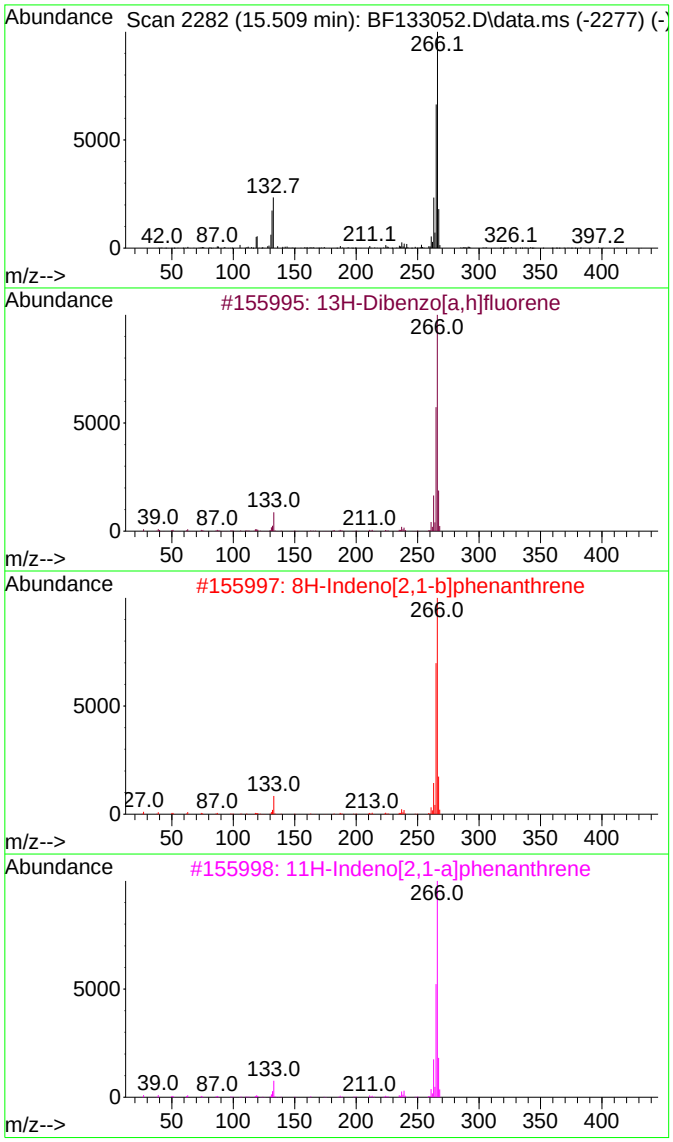
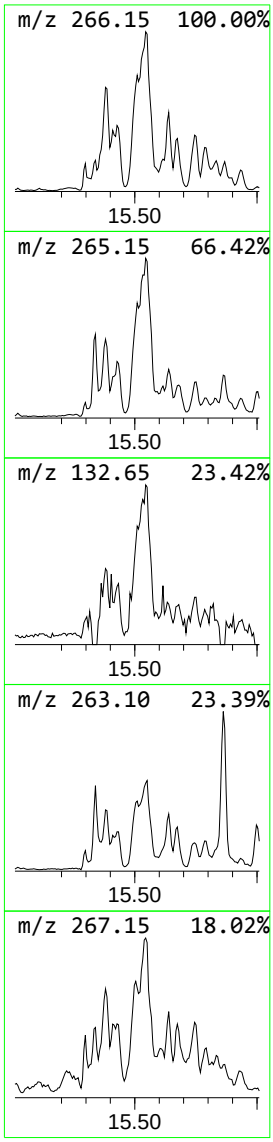
Peak Number 14 13H-Dibenzo[a,h]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.509	9.28 ng	547661	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	86
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	76
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	70
4	5-Methyl-7-methoxyisoflavone	266	C17H14O3	082517-12-2	50
5	4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	50





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TIC Library : C:\Database\NIST20.L
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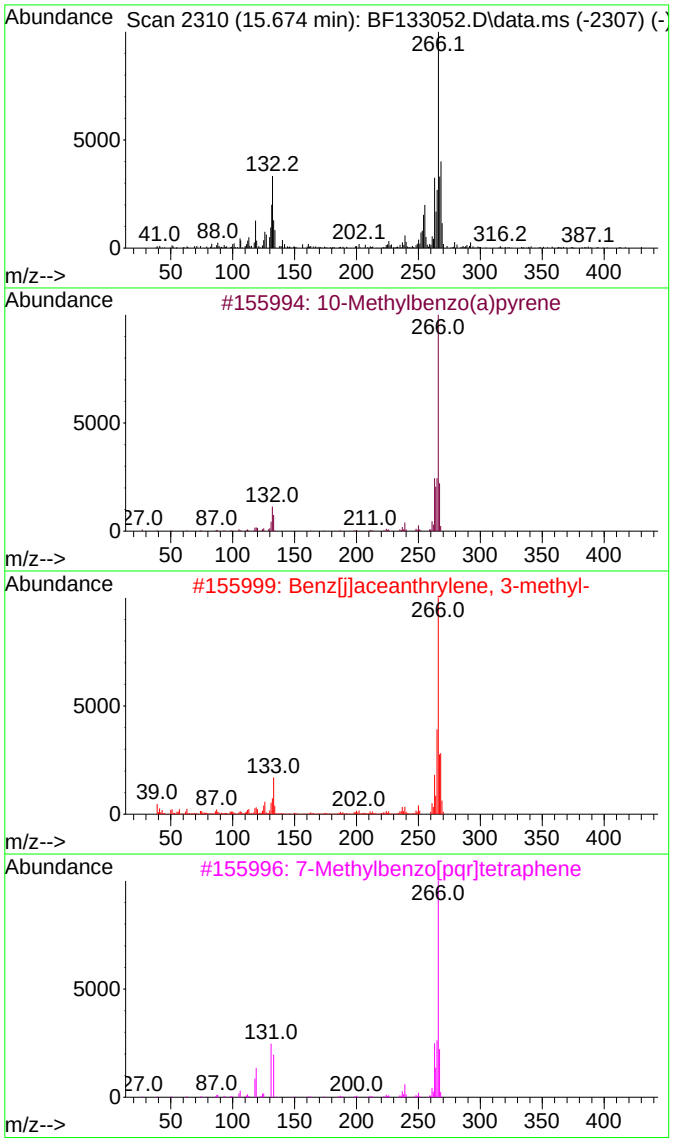
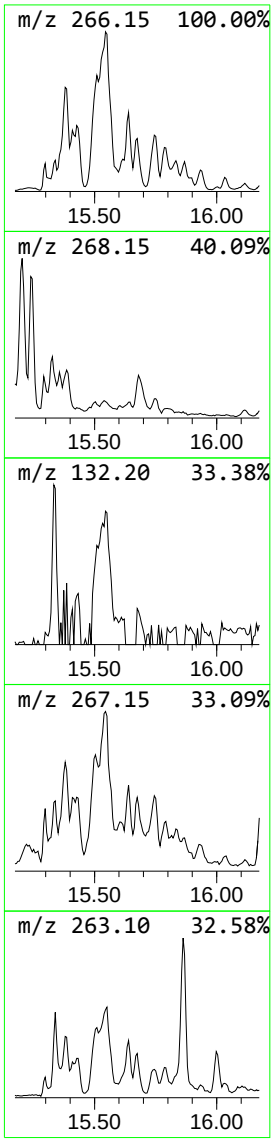
Peak Number 15 10-Methylbenzo(a)pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.674	9.89 ng	583637	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	86
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	64
3	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	55
4	Perylene, 3-methyl-	266	C21H14	024471-47-4	43
5	4H-Thiazolo[5,4-b]indole, 7-brom...	266	C10H7BrN2S	1000337-12-4	41





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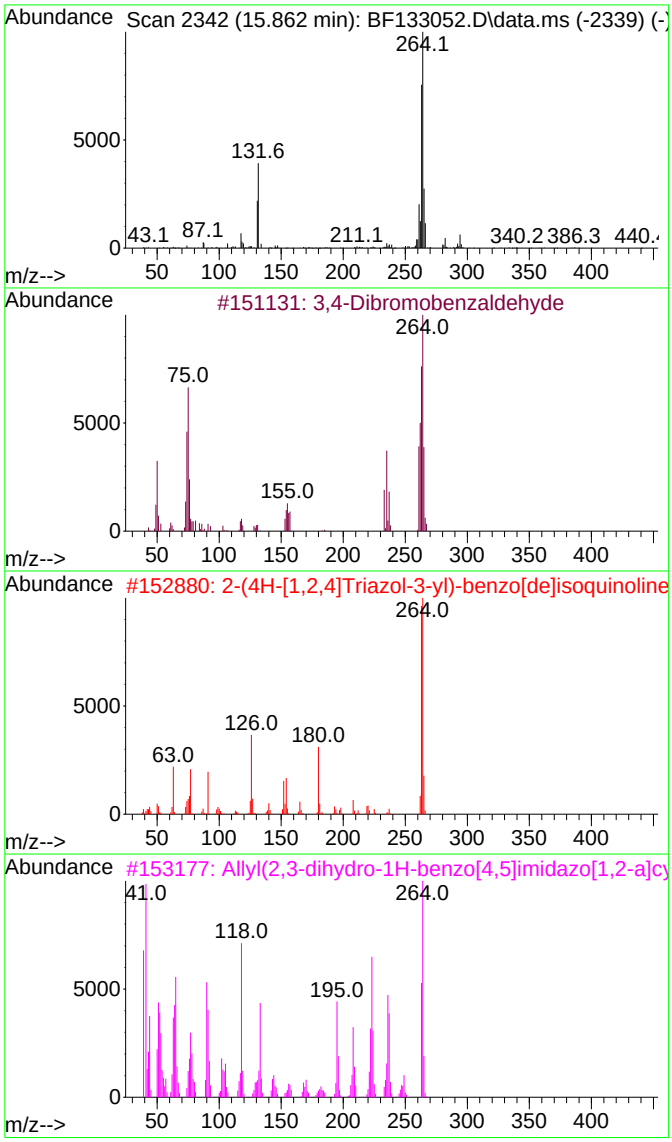
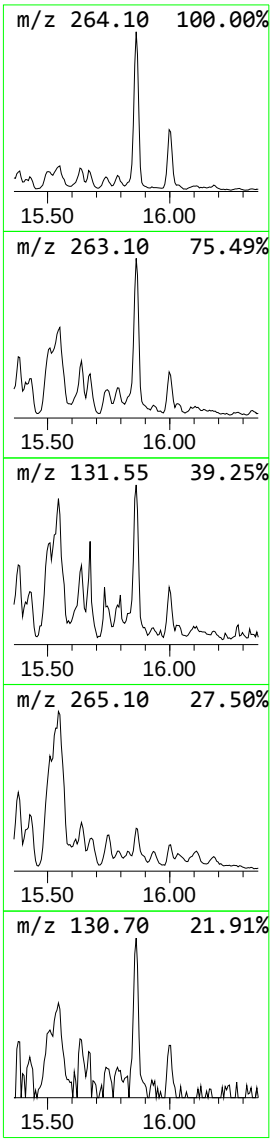
Peak Number 16 3,4-Dibromobenzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.862	12.26 ng	723364	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
3	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
4	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	40
5	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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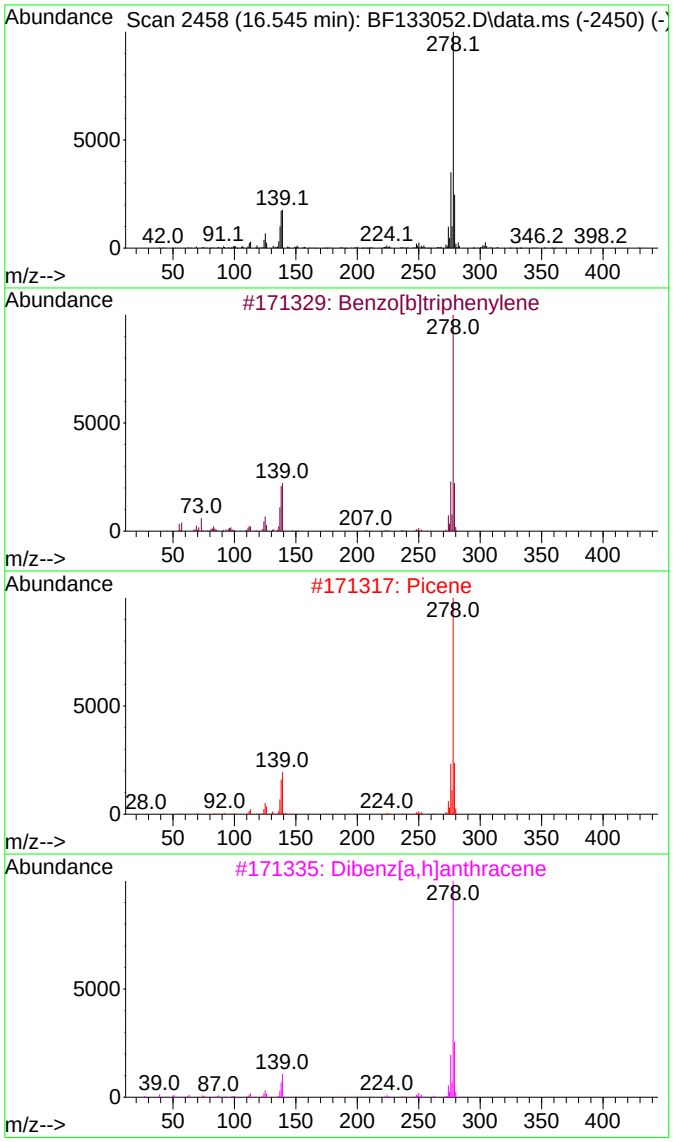
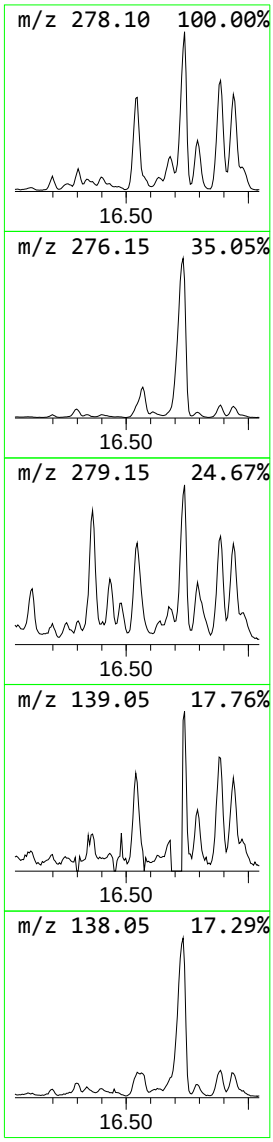
Peak Number 17 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.545	16.62 ng	980485	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Picene	278	C22H14	000213-46-7	94
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	86
5	Benzo[b]chrysene	278	C22H14	000214-17-5	86





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Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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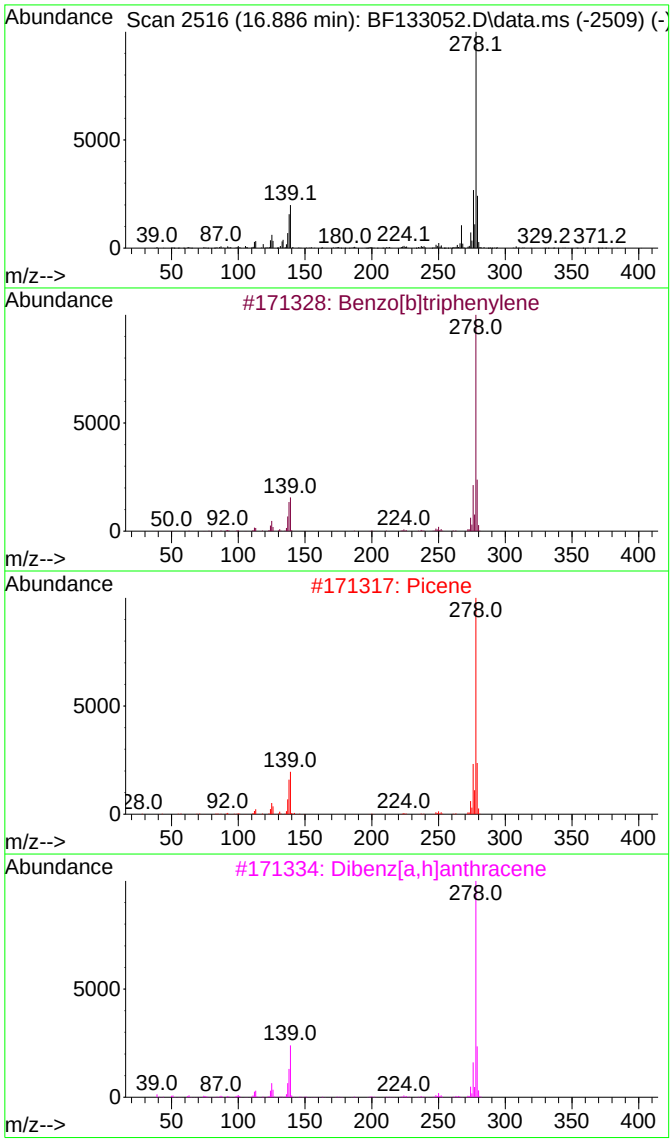
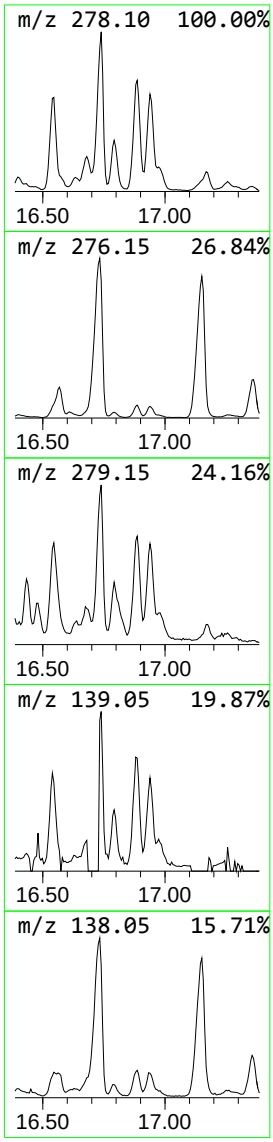
Peak Number 18 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.886	19.55 ng	1153280	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	93





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Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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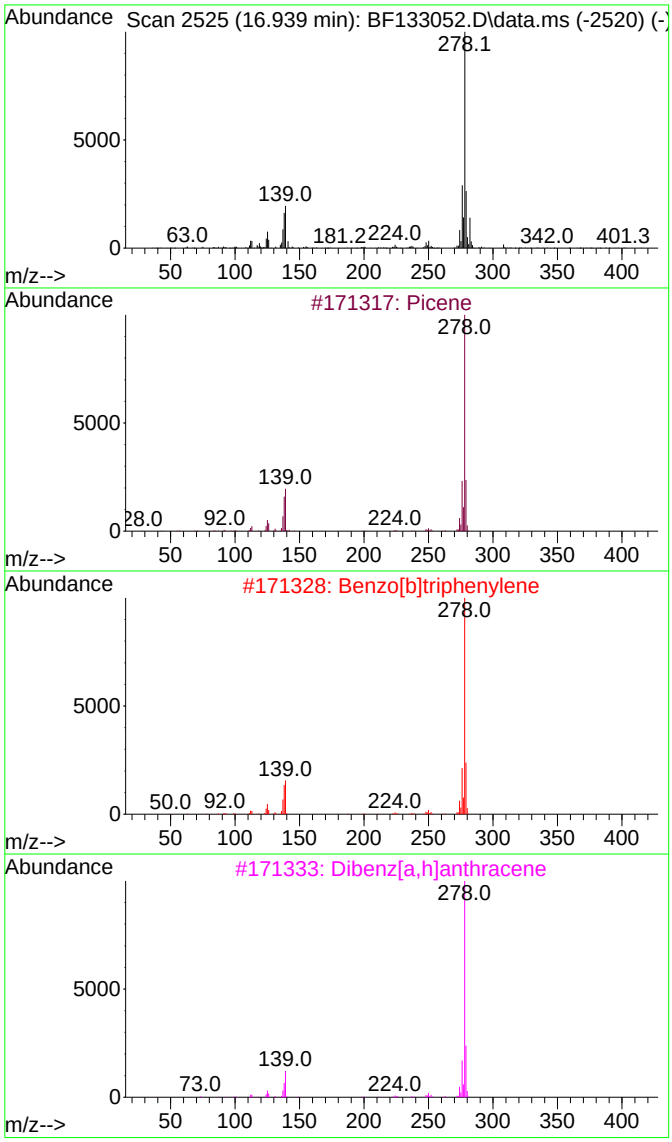
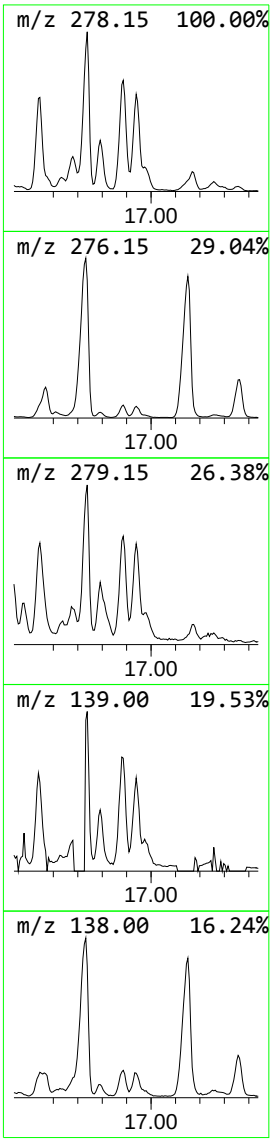
Peak Number 19 Benzo[b]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.939	11.00 ng	649002	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Pentaphene	278	C22H14	000222-93-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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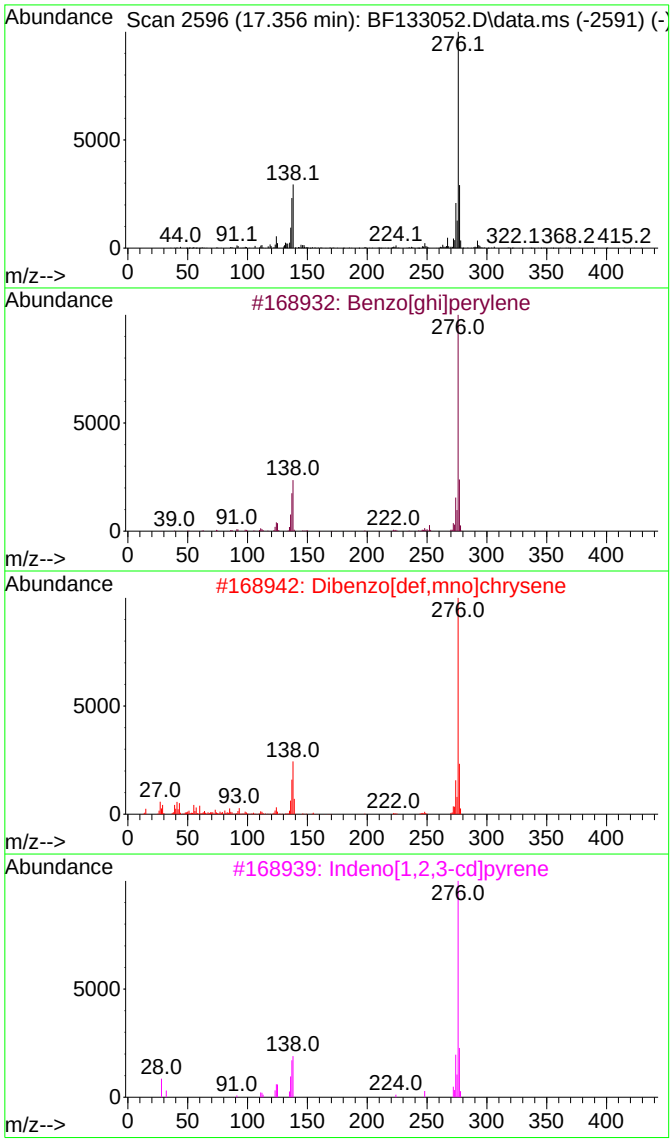
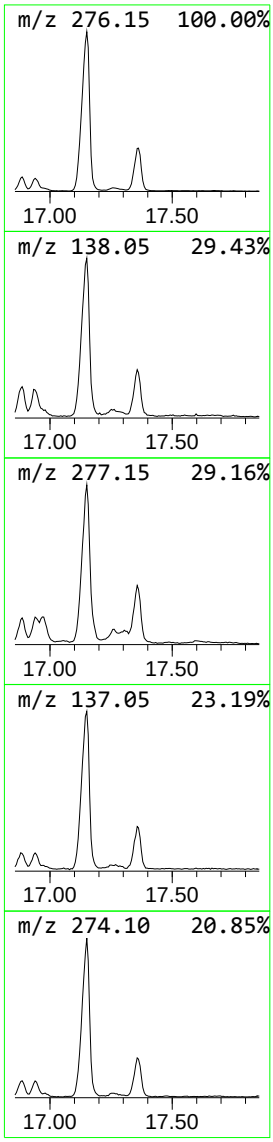
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.356	21.37 ng	1260770	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133052.D
Acq On : 26 Apr 2023 04:08
Operator : CG\JU
Sample : 02270-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-0-2-20230411

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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
Dibenzothiophene	11.157	8.8	ng	558946	4	11.263	1271540	20.0
Phenanthrene, 2...	11.763	17.7	ng	1124290	4	11.263	1271540	20.0
Phenanthrene, 1...	11.792	24.3	ng	1542400	4	11.263	1271540	20.0
1H-Cyclopropa[l...	11.839	12.7	ng	808013	4	11.263	1271540	20.0
4H-Cyclopenta[d...	11.874	43.9	ng	2793020	4	11.263	1271540	20.0
Anthracene, 1-m...	11.892	10.0	ng	637664	4	11.263	1271540	20.0
Naphthalene, 2-...	12.057	15.2	ng	967301	4	11.263	1271540	20.0
9,10-Anthracene...	12.080	8.8	ng	557426	4	11.263	1271540	20.0
Cyclopenta(def)...	12.404	9.4	ng	598760	4	11.263	1271540	20.0
7,12-Dihydroben...	14.768	17.4	ng	1024990	6	15.339	1179920	20.0
Benzo[e]pyrene	15.033	24.1	ng	1419460	6	15.339	1179920	20.0
Dinaphtho[1,2-b...	15.110	10.9	ng	645123	6	15.339	1179920	20.0
Perylene	15.227	101.6	ng	5992280	6	15.339	1179920	20.0
13H-Dibenzo[a,h...	15.509	9.3	ng	547661	6	15.339	1179920	20.0
10-Methylbenzo(...	15.674	9.9	ng	583637	6	15.339	1179920	20.0
3,4-Dibromobenz...	15.862	12.3	ng	723364	6	15.339	1179920	20.0
Benzo[b]triphen...	16.545	16.6	ng	980485	6	15.339	1179920	20.0
Picene	16.886	19.6	ng	1153280	6	15.339	1179920	20.0
Benzo[b]chrysene	16.939	11.0	ng	649002	6	15.339	1179920	20.0
Dibenzo[def,mno...	17.356	21.4	ng	1260770	6	15.339	1179920	20.0