LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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: BF133054.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.739	788	791	794	rBV	1622086	1293444	6.74%	0.499%
2	8.027	1006	1010	1012	rBV	2044881	1946822	10.14%	0.751%
3	8.051	1012	1014	1017	rVB	3342604	2391379	12.46%	0.923%
4	8.739	1127	1131	1134	rBV	1060766	902094	4.70%	0.348%
5	8.833	1144	1147	1151	rVB	660361	513661	2.68%	0.198%
6	9.774	1302	1307	1310	rBV	1879536	1810099	9.43%	0.698%
7	9.816	1310	1314	1316	rVV	4441701	4065038	21.18%	1.568%
8	9.980	1338	1342	1345	rVV	2069276	1660616	8.65%	0.641%
9	10.327	1395	1401	1404	rBV	3100902	2851212	14.86%	1.100%
10	10.386	1410	1411	1413	rVV	663472	515481	2.69%	0.199%
11	10.410	1413	1415	1417	rVV	698861	519154	2.70%	0.200%
12	10.480	1425	1427	1431	rVB	596793	453191	2.36%	0.175%
13	10.563	1437	1441	1445	rBV	678812	788619	4.11%	0.304%
14	10.868	1490	1493	1496	rVV2	483240	506090	2.64%	0.195%
15	11.063	1523	1526	1531	rVB	640795	569385	2.97%	0.220%
16	11.121	1531	1536	1538	rBV2	636247	670651	3.49%	0.259%
17	11.157	1538	1542	1545	rVV	1182548	995316	5.19%	0.384%
18	11.263	1556	1560	1561	rBV	1248982	1246089	6.49%	0.481%
19	11.304	1561	1567	1569	rVV	8694827	12927561	67.35%	4.987%
20	11.345	1569	1574	1576	rVV	5567760	5067972	26.40%	1.955%
21	11.368	1576	1578	1582	rVB	833201	610828	3.18%	0.236%
22	11.468	1592	1595	1597	rBV	577808	665510	3.47%	0.257%
23	11.492	1597	1599	1602	rVB	3029718	2381422	12.41%	0.919%
24	11.762	1639	1645	1647	rBV	1757492	1624340	8.46%	0.627%
25	11.792	1647	1650	1654	rVV	2623505	2249334	11.72%	0.868%
26	11.839	1654	1658	1661	rVV	1160198	1072533	5.59%	0.414%
27	11.880	1661	1665	1667	rVV	3774983	4115440	21.44%	1.588%
28	11.898	1667	1668	1671	rVV	1330159	668812	3.48%	0.258%
29	11.962	1677	1679	1682	rVV	517835	457059	2.38%	0.176%
30	12.057	1692	1695	1697	rVV	1547717	1346517	7.02%	0.519%
31	12.080	1697	1699	1702	rVV	894853	793610	4.13%	0.306%
32	12.204	1716	1720	1723	rBV4	474980	466814	2.43%	0.180%
33	12.310	1734	1738	1741	rBV	646703	768181	4.00%	0.296%
34	12.351	1741	1745	1747	rVV2	489133	575954	3.00%	0.222%
35	12.409	1751	1755	1762	rVB3	679138	1032004	5.38%	0.398%
36	12.498	1762	1770	1773	rBV	9060791	18282025	95.25%	7.053%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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	12.539	1773	1777	1780	rVB2	581663	672890	3.51%	0.260%
38	12.627	1786	1792	1794	rBV2	1155137	1264709	6.59%	0.488%
39	12.715	1801	1807	1808	rVV2	8983268	13104889	68.28%	5.056%
40	12.757	1812	1814	1821	rVV	1214333	1198274	6.24%	0.462%
41	12.827	1821	1826	1828	rVV	1753446	1718273	8.95%	0.663%
42	12.862	1828	1832	1835	rVB	2246834	2412616	12.57%	0.931%
43	12.927	1836	1843	1845	rBV3	1622592	2680803	13.97%	1.034%
44	12.951	1845	1847	1850	rVB	1214595	931304	4.85%	0.359%
45	13.009	1850	1857	1858	rBV3	1519727	1991782	10.38%	0.768%
46	13.039	1858	1862	1864	rVB	4628550	4717558	24.58%	1.820%
47	13.104	1869	1873	1876	rVV	4376596	4580201	23.86%	1.767%
48	13.139	1876	1879	1881	rVV2	2847106	3133983	16.33%	1.209%
49	13.162	1881	1883	1886	rVV	2337538	2224371	11.59%	0.858%
50	13.192	1886	1888	1891	rVV	888082	867010	4.52%	0.334%
51	13.233	1891	1895	1897	rVV	1363679	1413949	7.37%	0.545%
52	13.262	1897	1900	1903	rVV2	1600159	1796245	9.36%	0.693%
53	13.421	1923	1927	1928	rBV3	478502	631603	3.29%	0.244%
54	13.439	1928	1930	1931	rVV	625192	602323	3.14%	0.232%
55	13.456	1931	1933	1936	rVV	1461593	1552642	8.09%	0.599%
56	13.515	1940	1943	1945	rBV2	901820	1083011	5.64%	0.418%
57	13.539	1945	1947	1952	rVV	1384393	1646366	8.58%	0.635%
58	13.651	1962	1966	1969	rVV	2751144	3098044	16.14%	1.195%
59	13.680	1969	1971	1973	rVV	2541295	2488824	12.97%	0.960%
60	13.704	1973	1975	1977	rVV	2201444	2589187	13.49%	0.999%
61	13.756	1981	1984	1987	rVB	1343827	1334133	6.95%	0.515%
62	13.815	1989	1994	1998	rBV	947538	1247070	6.50%	0.481%
63	13.909	2001	2010	2014	rBV3	7837065	19193254	100.00%	7.404%
64	13.951	2014	2017	2023	rVB	7970761	10154105	52.90%	3.917%
65	14.021	2023	2029	2032	rBV	3882194	3983011	20.75%	1.537%
66	14.051	2032	2034	2035	rVV	629810	598057	3.12%	0.231%
67	14.098	2038	2042	2044	rVV	1869535	2045824	10.66%	0.789%
68	14.133	2044	2048	2051	rVV2	2011374	2851789	14.86%	1.100%
69	14.221	2060	2063	2065	rBV2	597462	654124	3.41%	0.252%
70	14.256	2065	2069	2071	rVV2	966474	1210885	6.31%	0.467%
71	14.292	2071	2075	2078	rVV	2659470	3239780	16.88%	1.250%
72	14.327	2078	2081	2084	rVV2	1488234	1447371	7.54%	0.558%
73	14.386	2084	2091	2094	rVV3	1603774	2385289	12.43%	0.920%
74	14.421	2094	2097	2098	rVV	1612633	1761625	9.18%	0.680%
75	14.439	2098	2100	2103	rVV2	2554028	2263915	11.80%	0.873%
76	14.474	2103	2106	2114	rVB4	1116906	2063020	10.75%	0.796%

LSC Area Percent Report

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Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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

77	14.598	2123	2127	2129	rBV2	1108609	1146665	5.97%	0.442%
78	14.621	2129	2131	2136	rVB2	470737	726806	3.79%	0.280%
79	14.774	2153	2157	2160	rBV	902869	1206407	6.29%	0.465%
80	14.951	2178	2187	2190	rBV	6465141	15809302	82.37%	6.099%
81	14.974	2190	2191	2193	rVV	5619491	2679328	13.96%	1.034%
82	15.003	2193	2196	2198	rVV2	571158	687743	3.58%	0.265%
83	15.039	2198	2202	2205	rVB	1907213	1905512	9.93%	0.735%
84	15.115	2211	2215	2217	rBV2	589587	836928	4.36%	0.323%
85	15.233	2228	2235	2240	rVB	4368858	7215038	37.59%	2.783%
86	15.303	2240	2247	2250	rVB	5616704	8805648	45.88%	3.397%
87	15.345	2250	2254	2256	rBV	843087	1109256	5.78%	0.428%
88	15.380	2256	2260	2265	rVB2	2410124	3352991	17.47%	1.294%
89	15.515	2278	2283	2284	rBV2	454298	715851	3.73%	0.276%
90	15.680	2308	2311	2317	rVB4	512608	774702	4.04%	0.299%
91	15.756	2318	2324	2327	rBV2	334236	606138	3.16%	0.234%
92	15.868	2340	2343	2352	rVB2	579115	928604	4.84%	0.358%
93	16.192	2392	2398	2404	rVB5	219389	630127	3.28%	0.243%
94	16.550	2451	2459	2462	rBV3	595957	1388255	7.23%	0.536%
95	16.745	2480	2492	2498	rVB2	2635322	5972748	31.12%	2.304%
96	16.803	2498	2502	2509	rVB	297925	537392	2.80%	0.207%
97	16.892	2510	2517	2522	rBV	652008	1401765	7.30%	0.541%
98	16.950	2522	2527	2531	rBV2	449736	775781	4.04%	0.299%
99	17.168	2554	2564	2577	rVB	1858408	4626398	24.10%	1.785%
100	17.374	2592	2599	2611	rVB2	660265	1739019	9.06%	0.671%

Sum of corrected areas: 259216770

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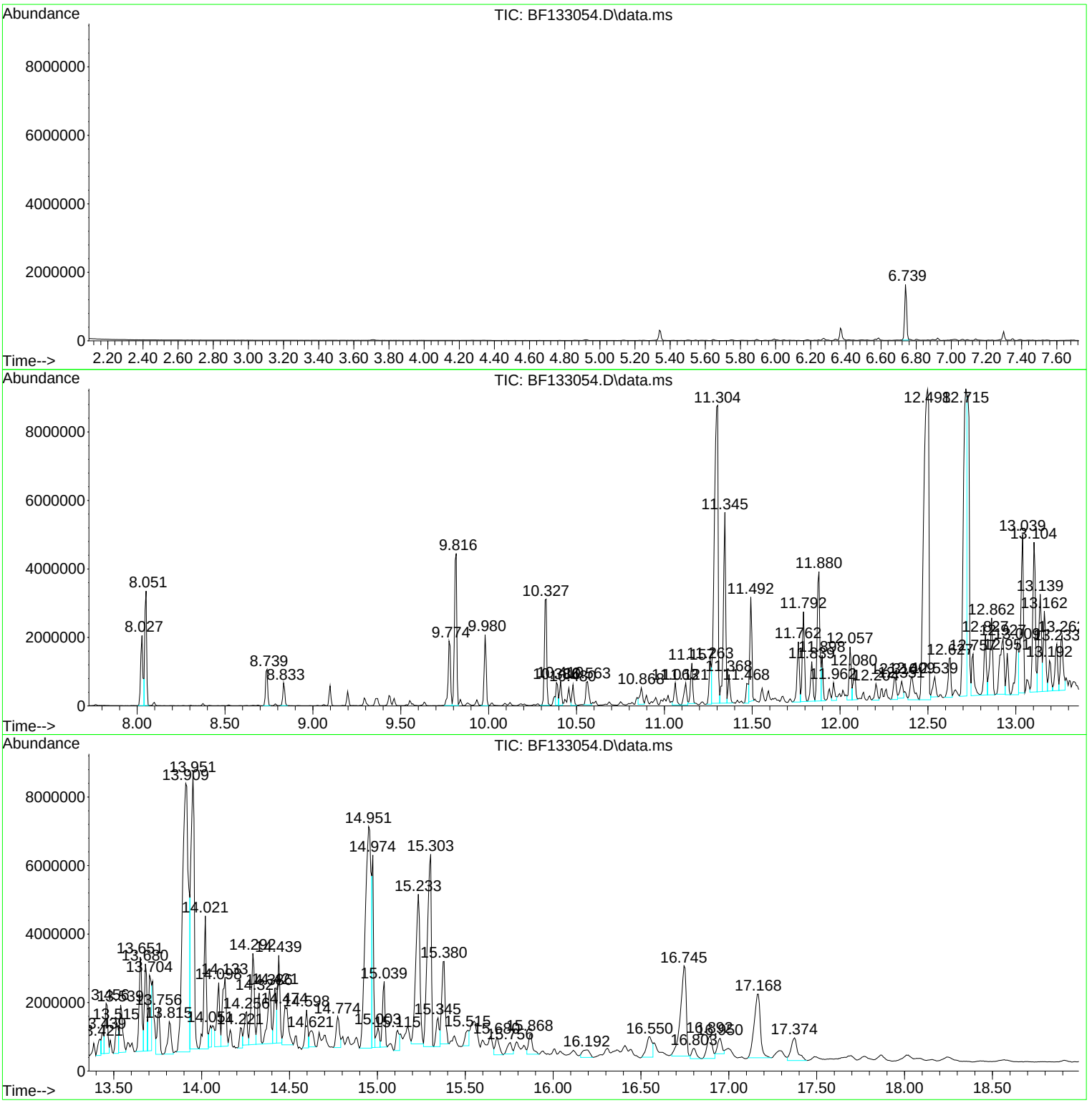
Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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 : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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

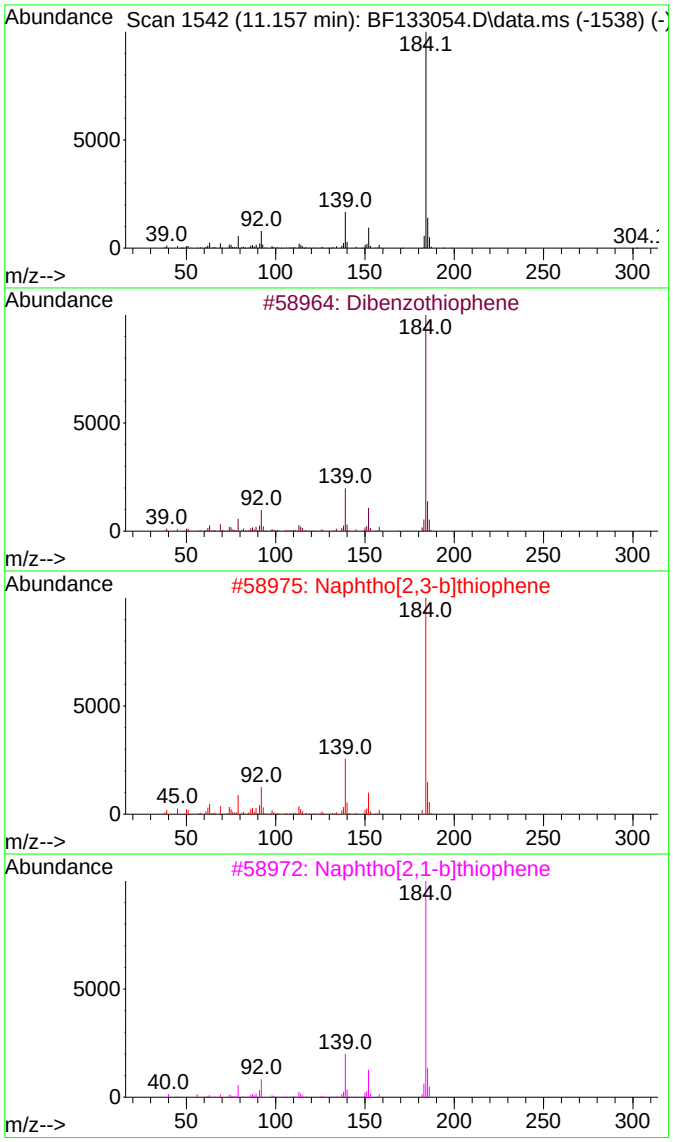
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

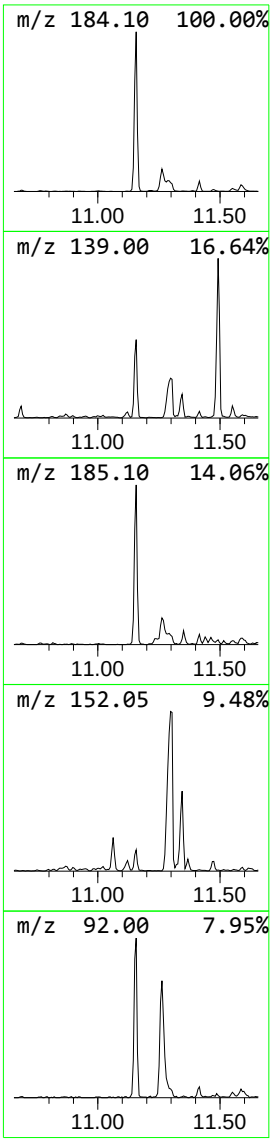
****

Peak Number 1 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	15.98 ng	995316	Phenanthrene-d10	11.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133054.D
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Operator : CG\JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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

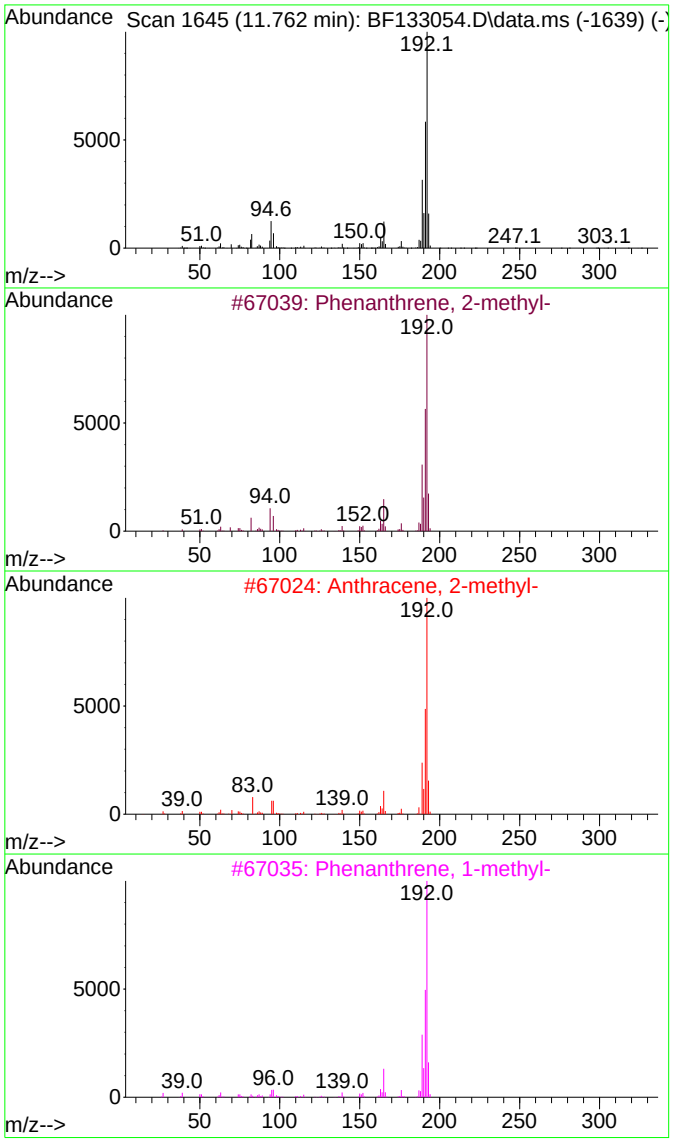
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

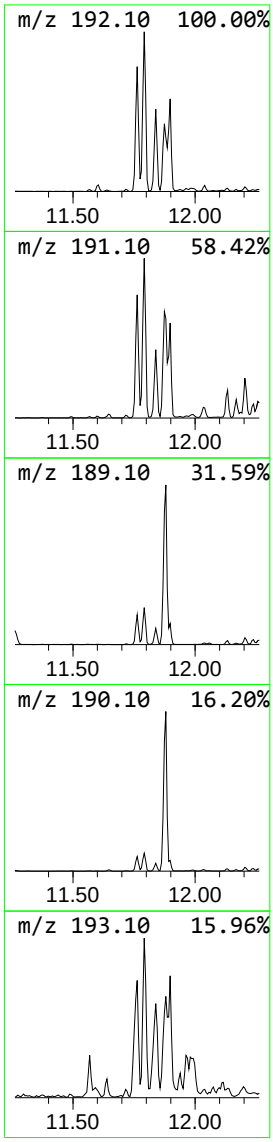
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.762	26.07 ng	1624340	Phenanthrene-d10	11.262

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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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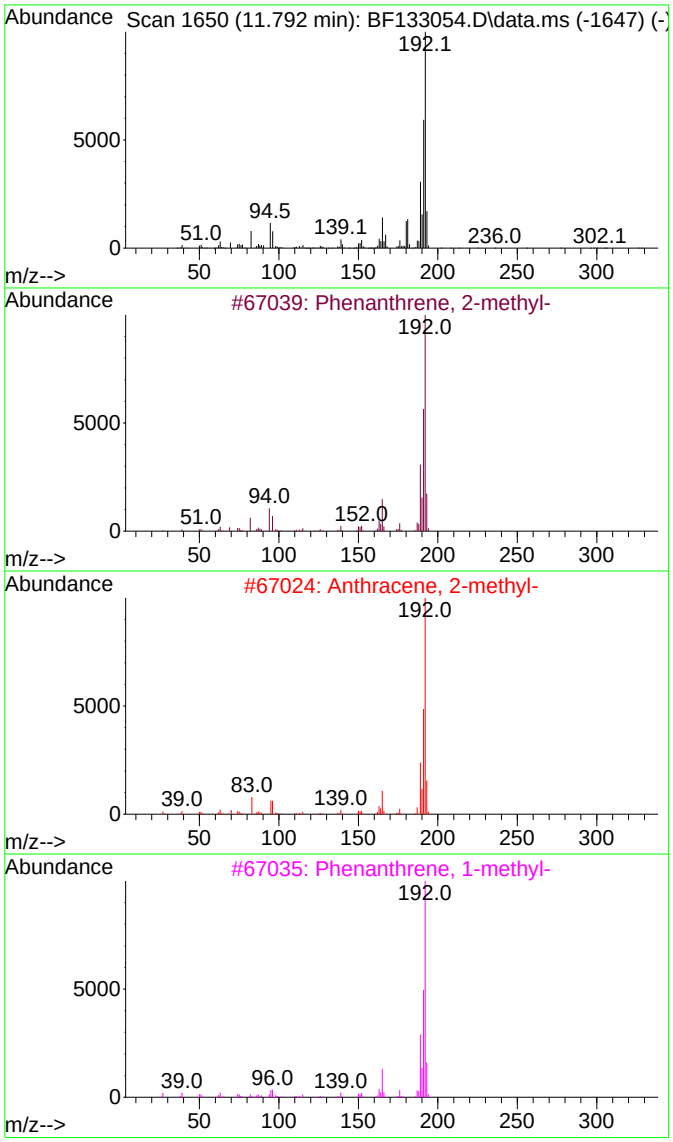
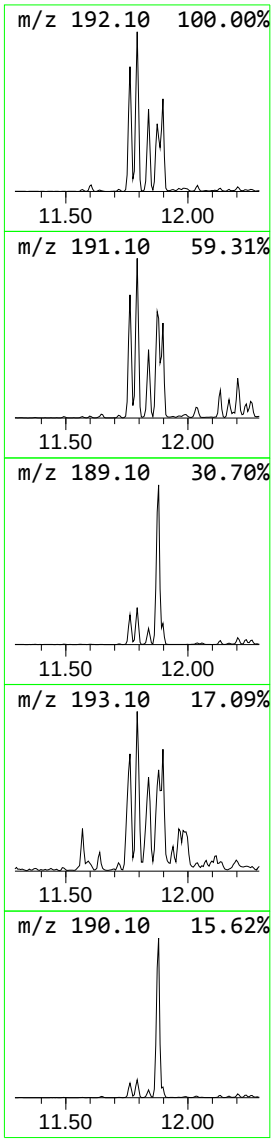
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	36.10 ng	2249330	Phenanthrene-d10	11.262

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, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

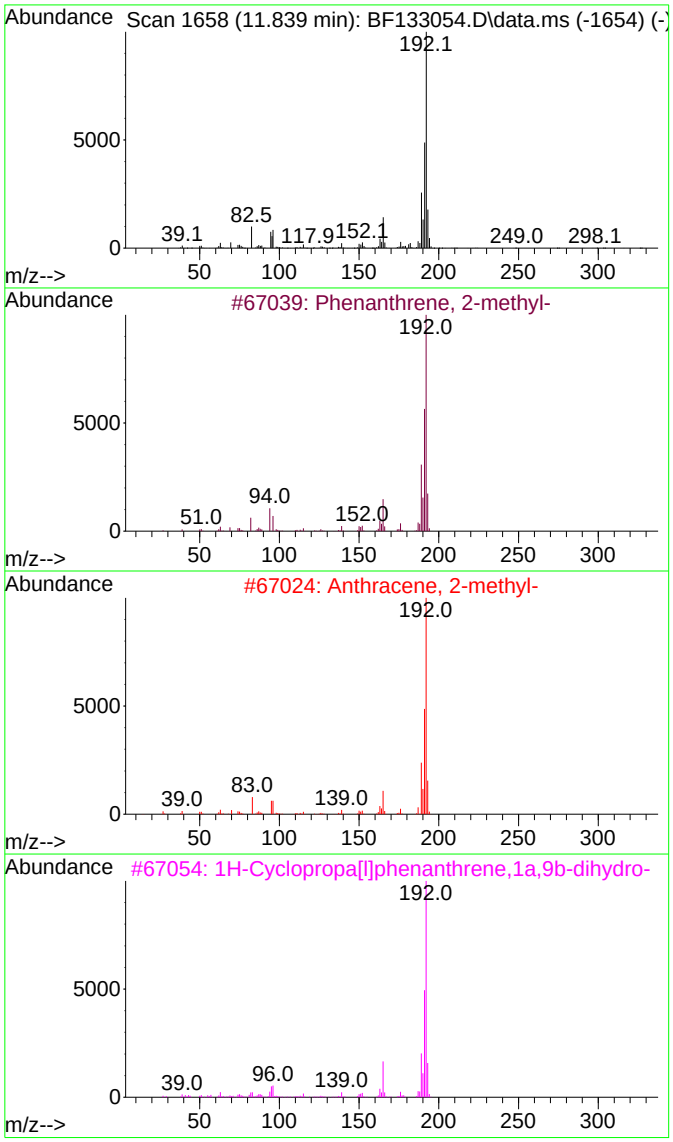
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

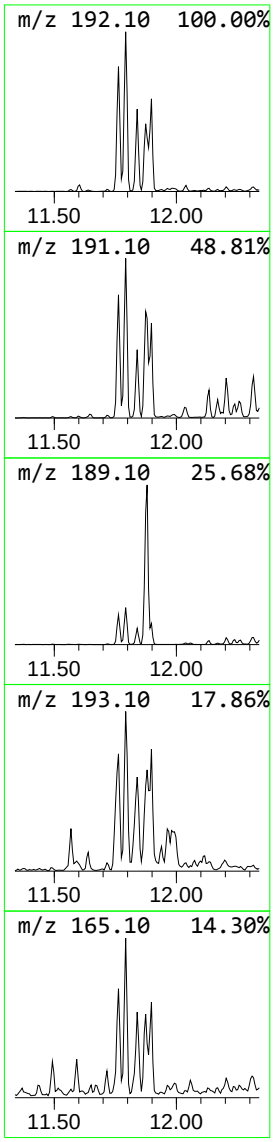
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	17.21 ng	1072530	Phenanthrene-d10	11.262

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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

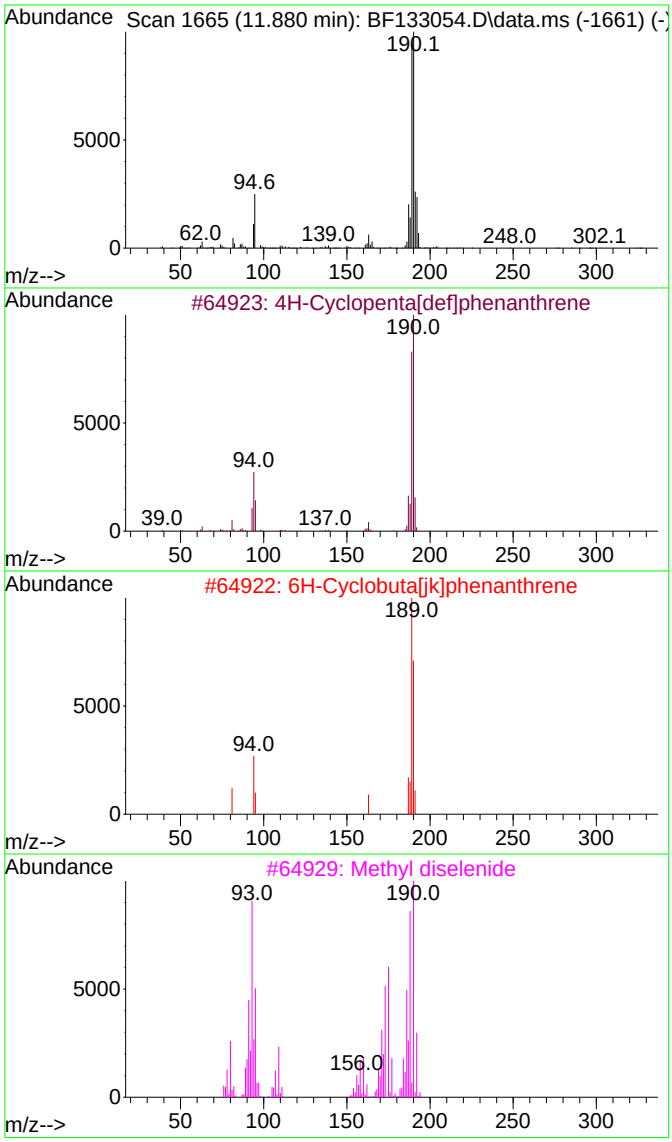
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

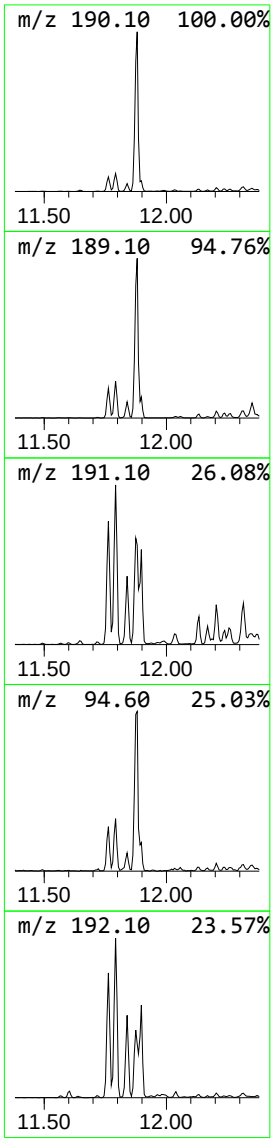
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	66.05 ng	4115440	Phenanthrene-d10	11.262

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	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
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ClientSampleId :
SB-27-10-12-20230411

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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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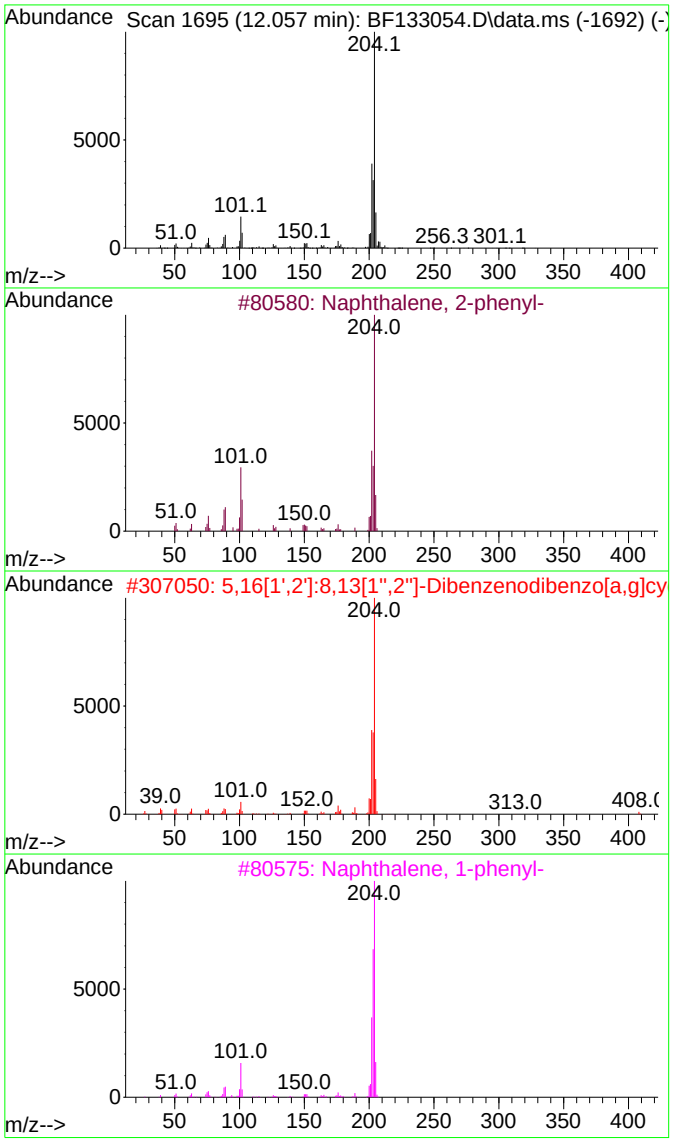
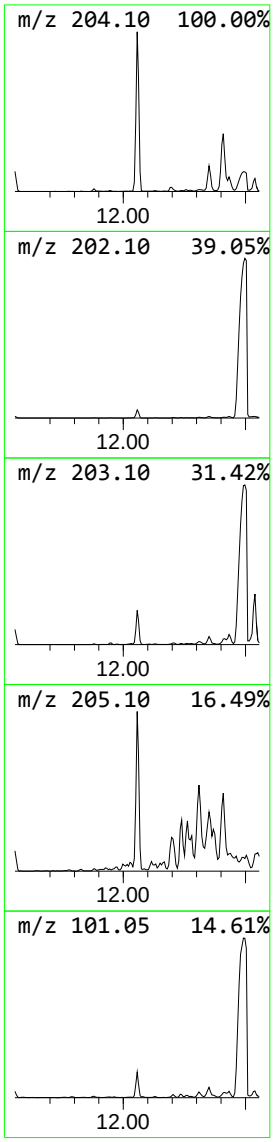
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	21.61 ng	1346520	Phenanthrene-d10	11.262

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	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47





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

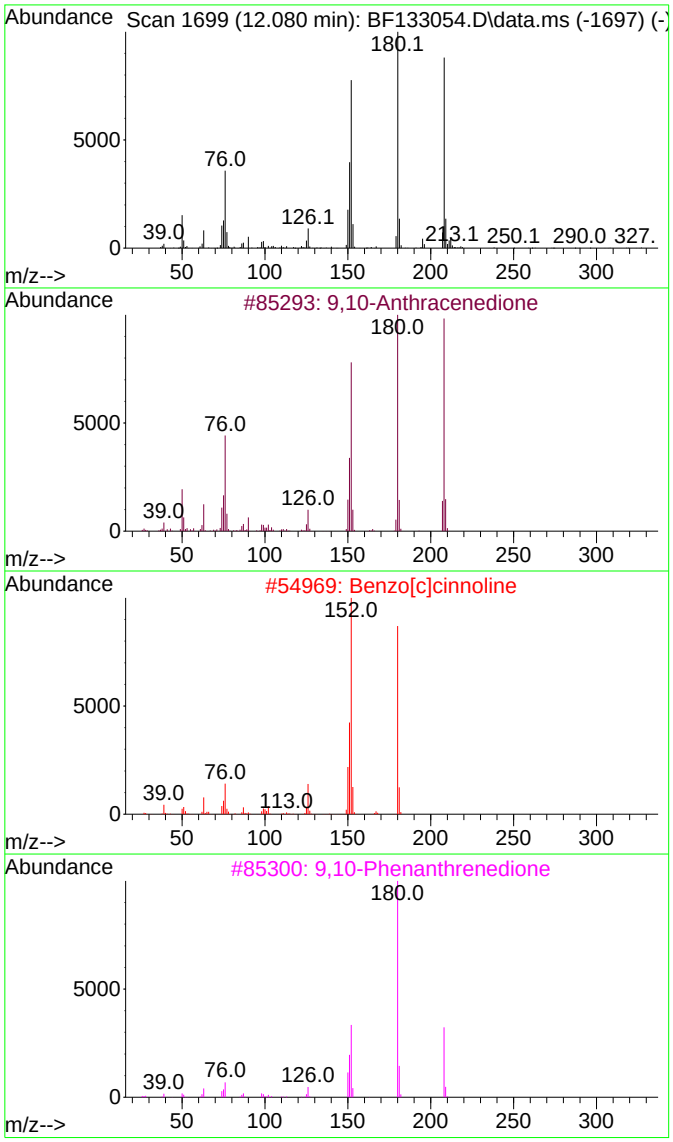
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

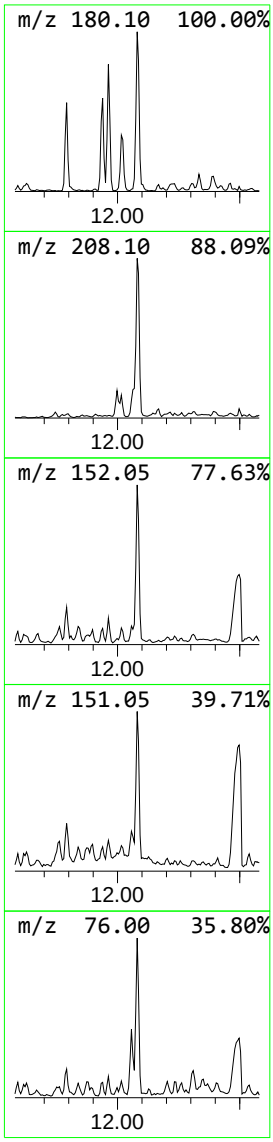
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	12.74 ng	793610	Phenanthrene-d10	11.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
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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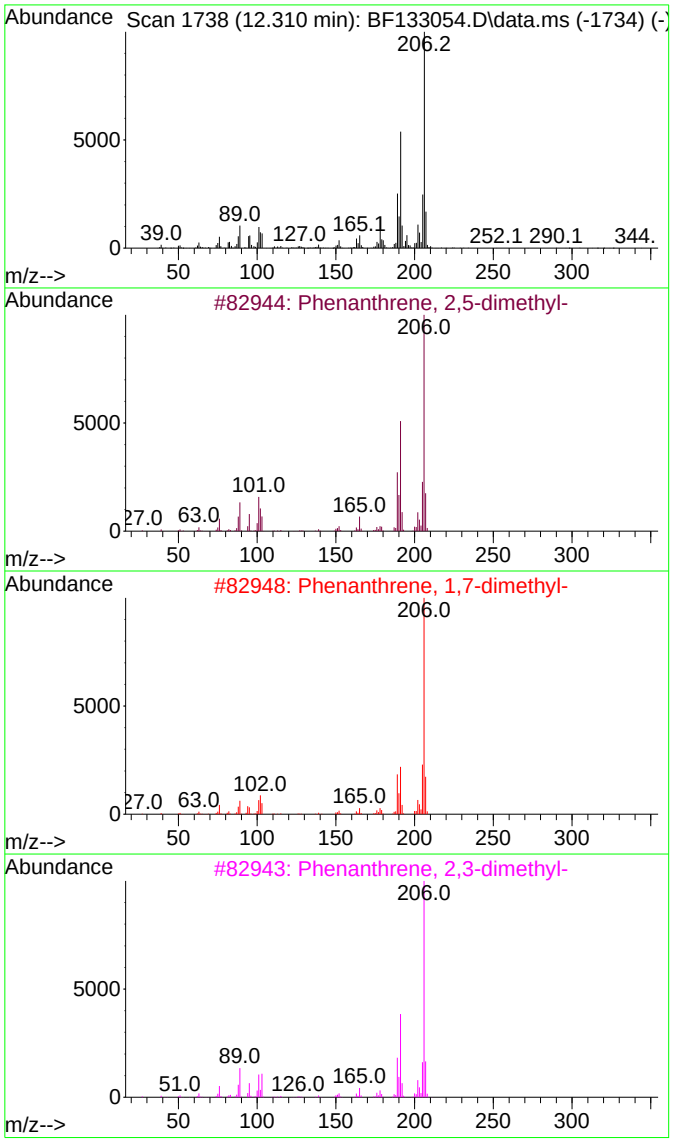
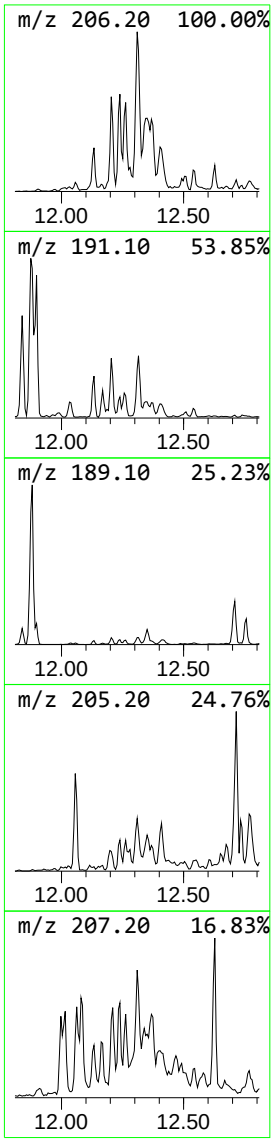
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	12.33 ng	768181	Phenanthrene-d10	11.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Instrument :
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ClientSampleId :
SB-27-10-12-20230411

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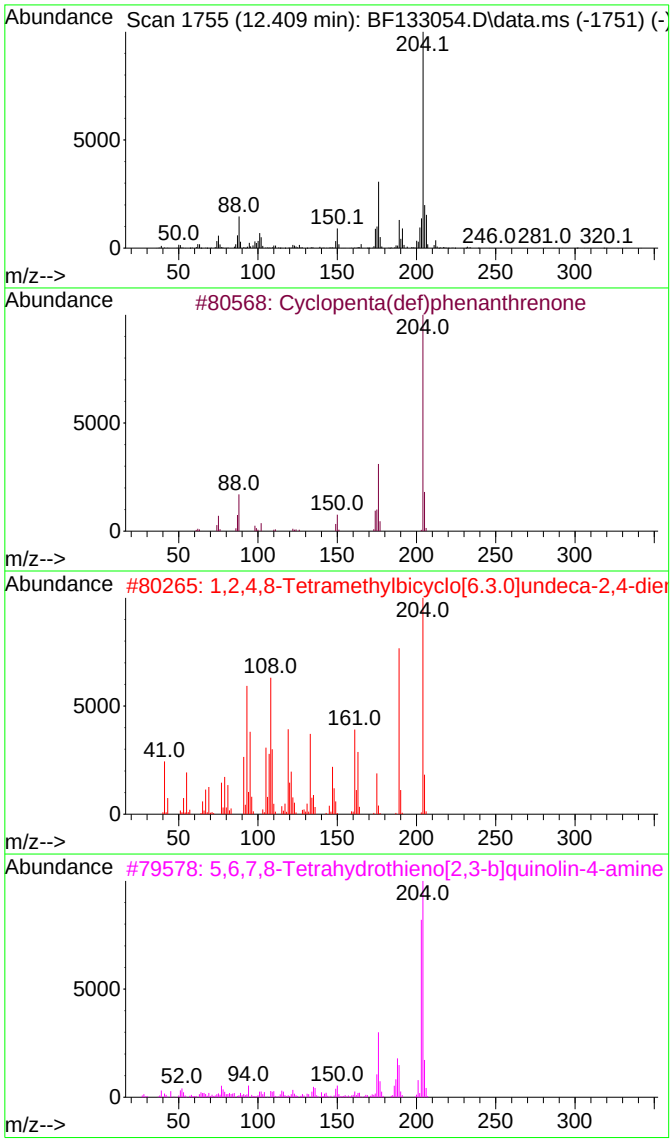
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

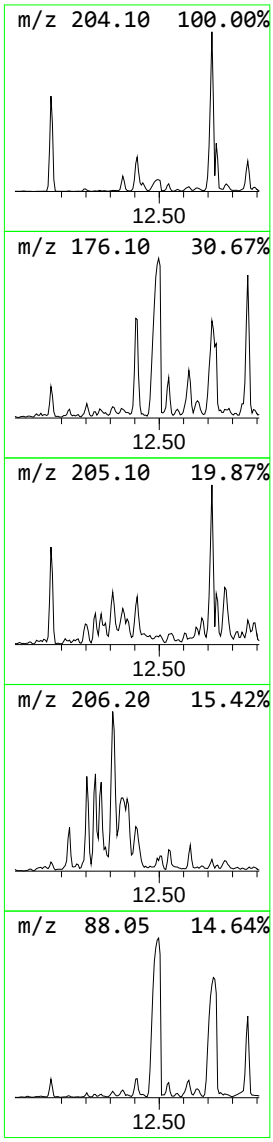
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	16.56 ng	1032000	Phenanthrene-d10	11.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	64
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53





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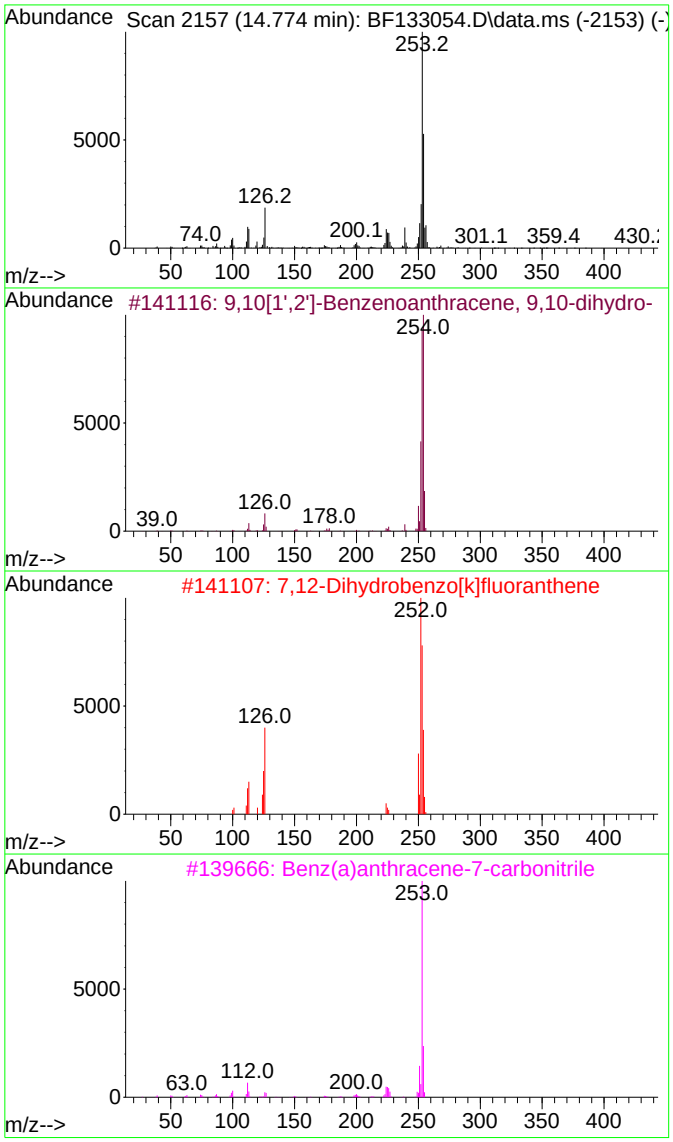
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

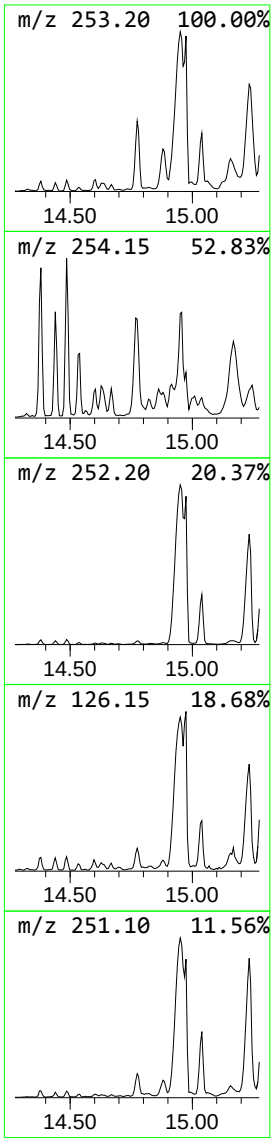
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9,10[1',2']-Benzenoanthrace... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.774	21.75 ng	1206410	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	60
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
4	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	50
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	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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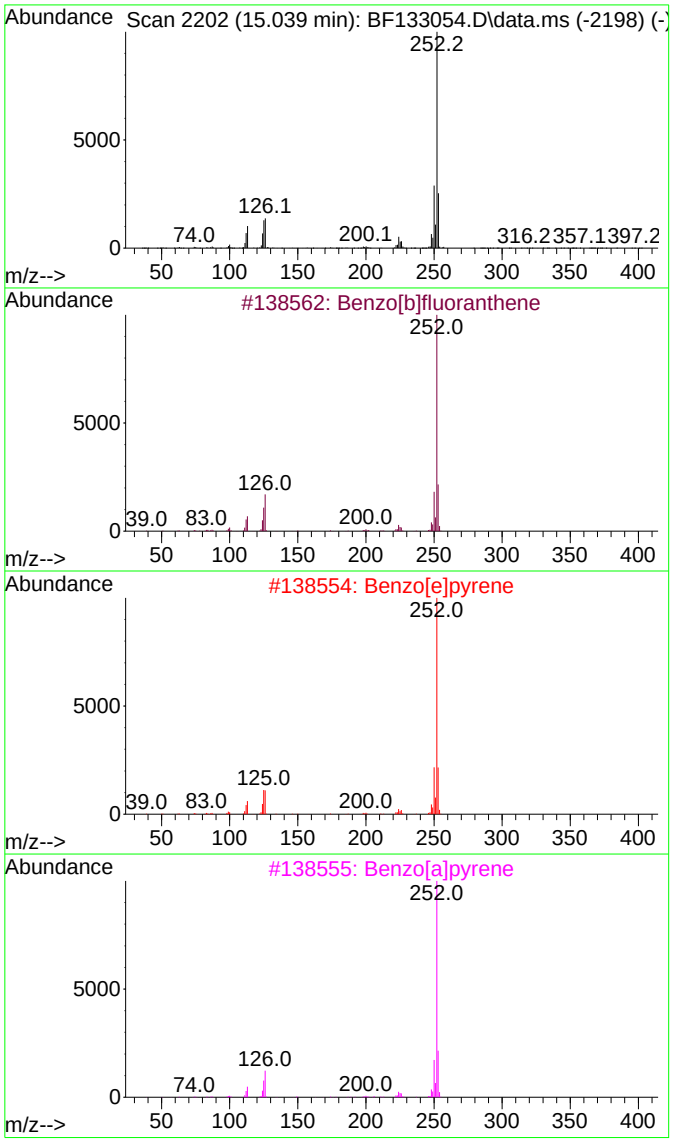
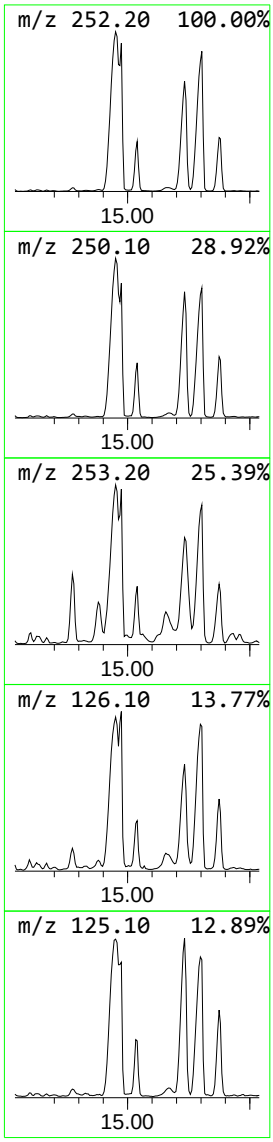
Peak Number 11 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.039	34.36 ng	1905510	Perylene-d12	15.345

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	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	87





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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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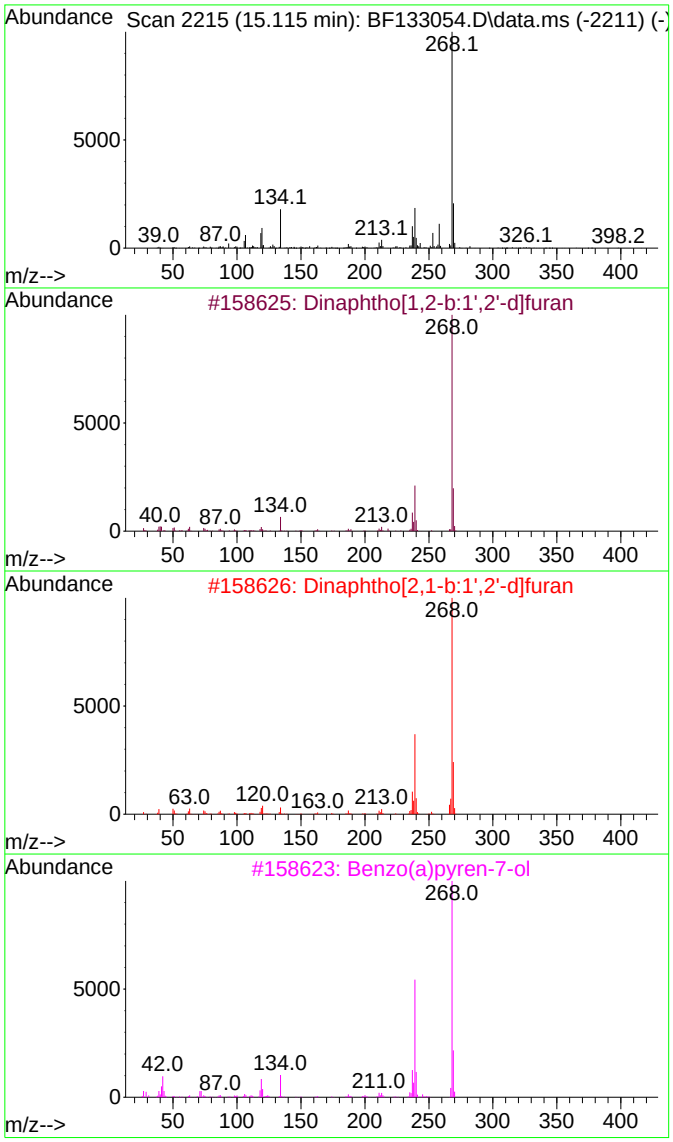
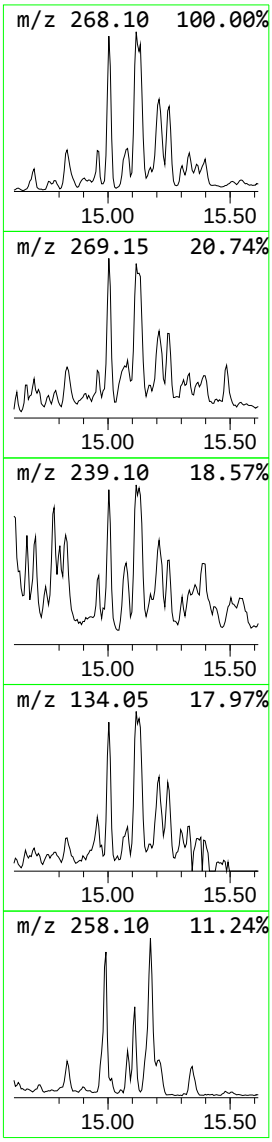
Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.115	15.09 ng	836928	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	64
4	Pyrimido[4,5-d]pyrimidine-2,4(1H...	268	C14H12N4O2	300844-07-9	53
5	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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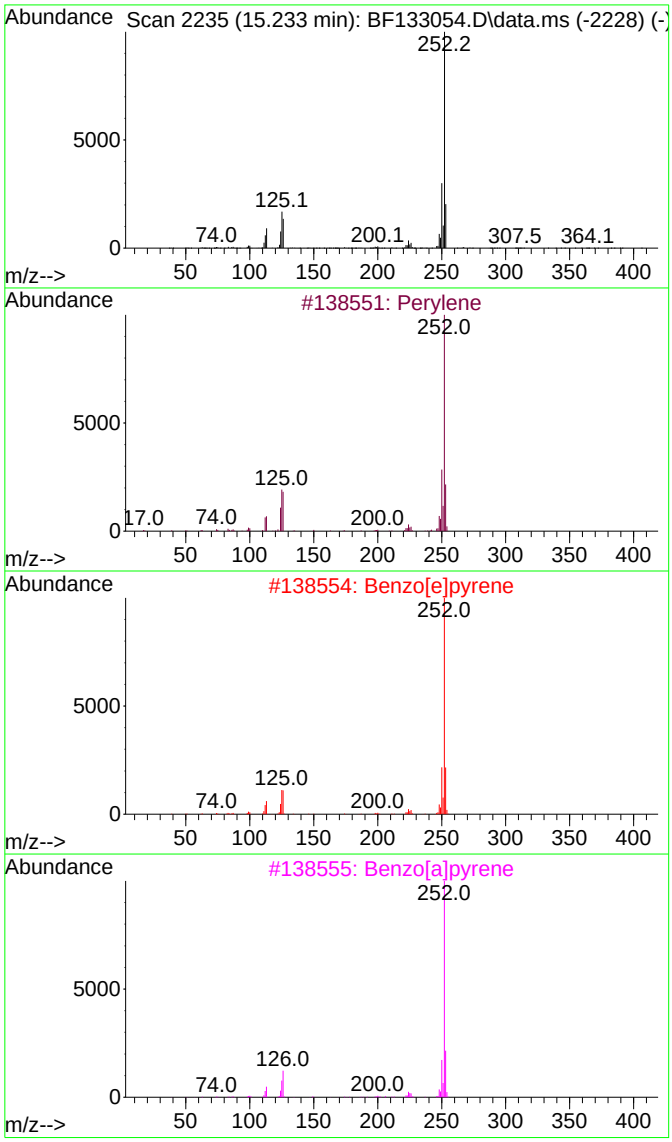
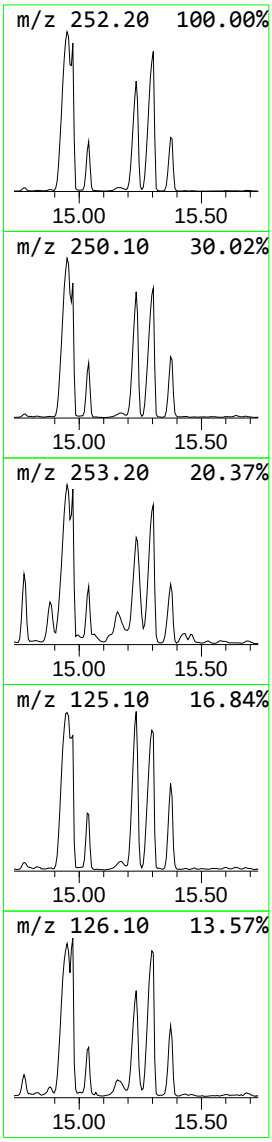
Peak Number 13 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	130.09 ng	7215040	Perylene-d12	15.345

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	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
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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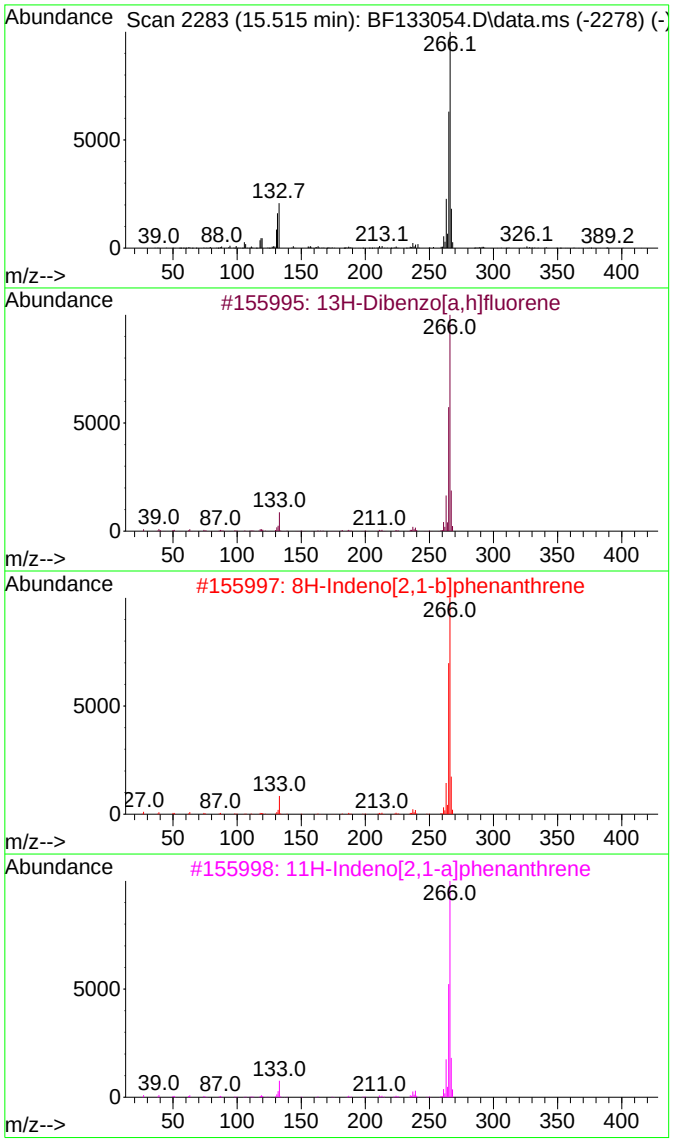
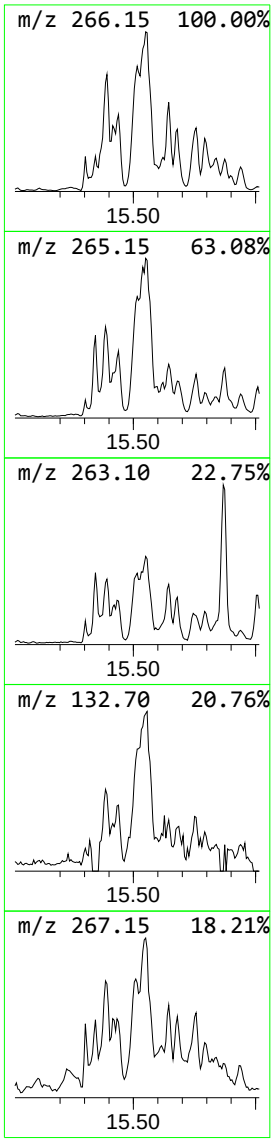
Peak Number 14 13H-Dibenzo[a,h]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.515	12.91 ng	715851	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	96
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	93
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	58
4	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	53
5	4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	50





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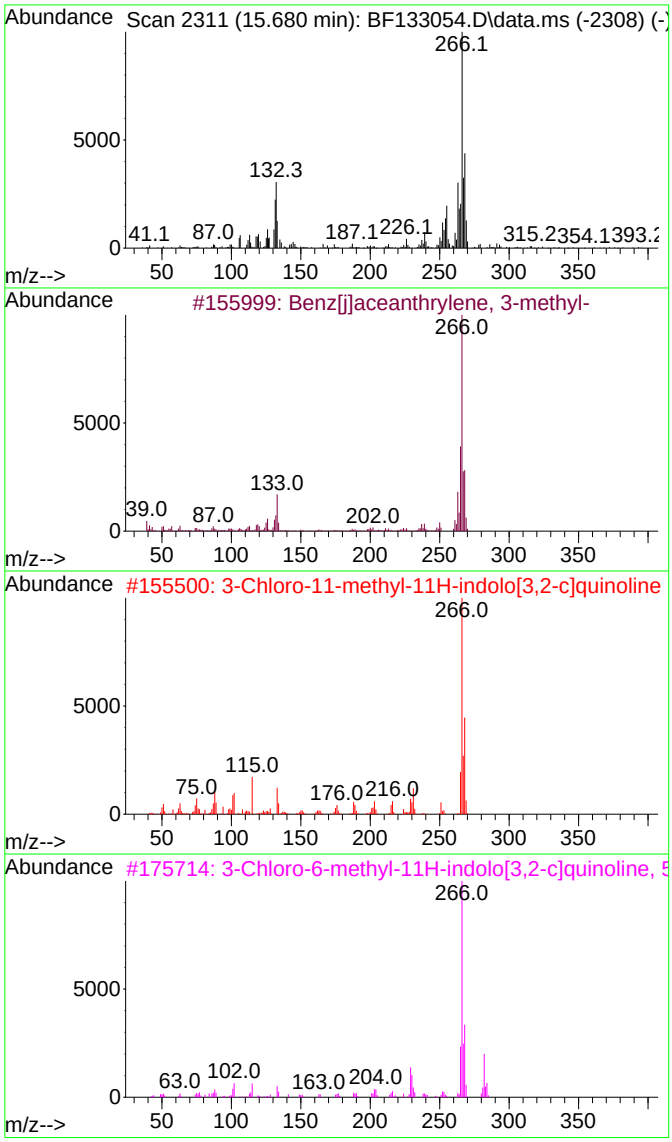
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

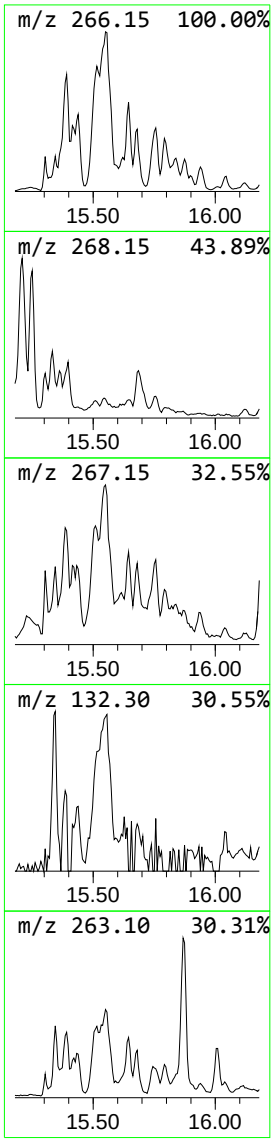
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benz[j]aceanthrylene, 3-met... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.680	13.97 ng	774702	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	64
2	3-Chloro-11-methyl-11H-indolo[3,...	266	C16H11ClN2	155249-46-0	52
3	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	50
4	Mazindol	284	C16H13ClN2O	022232-71-9	47
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	41





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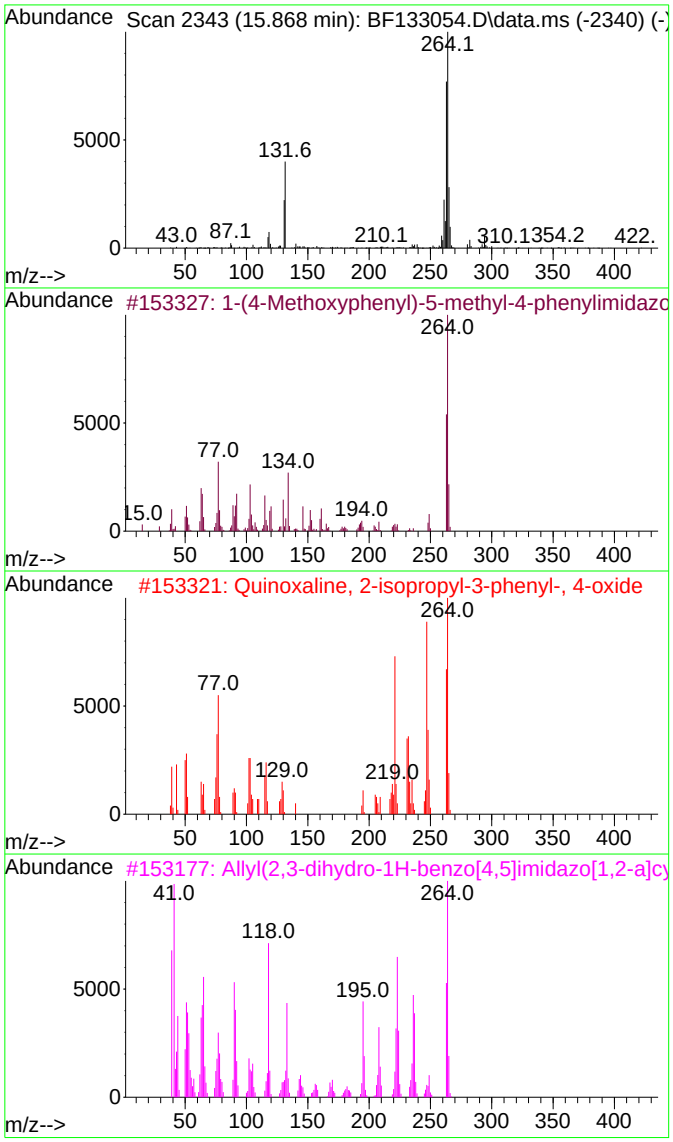
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

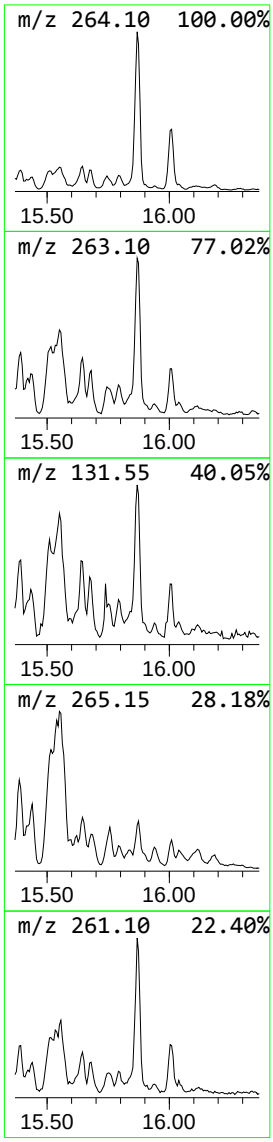
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1-(4-Methoxyphenyl)-5-methy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.868	16.74 ng	928604	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	52
2	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	47
3	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
5	4-(2-Cyclopropyl-1,3-oxazol-5-yl...	264	C12H12N2O3S	1000460-26-5	16





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Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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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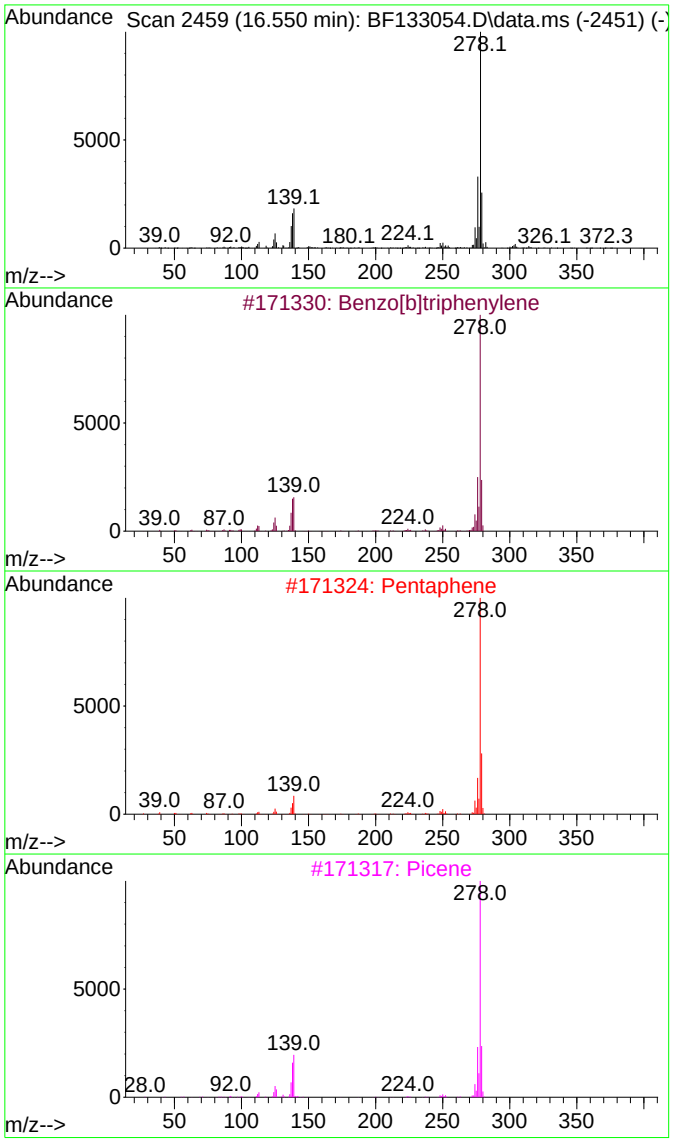
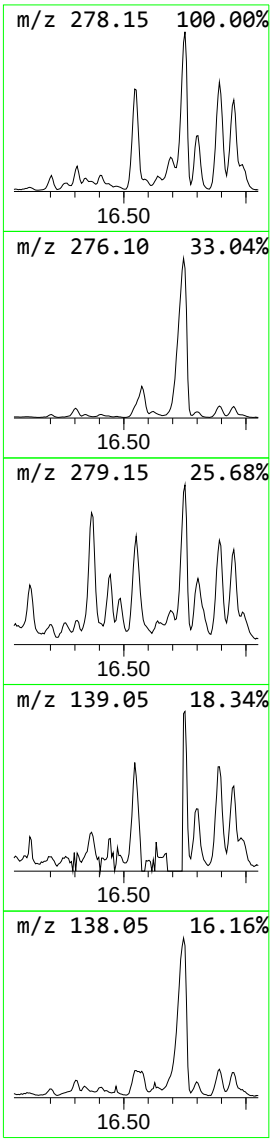
Peak Number 17 Benzo[b]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.550	25.03 ng	1388260	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Pentaphene	278	C22H14	000222-93-5	98
3	Picene	278	C22H14	000213-46-7	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	95
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90





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Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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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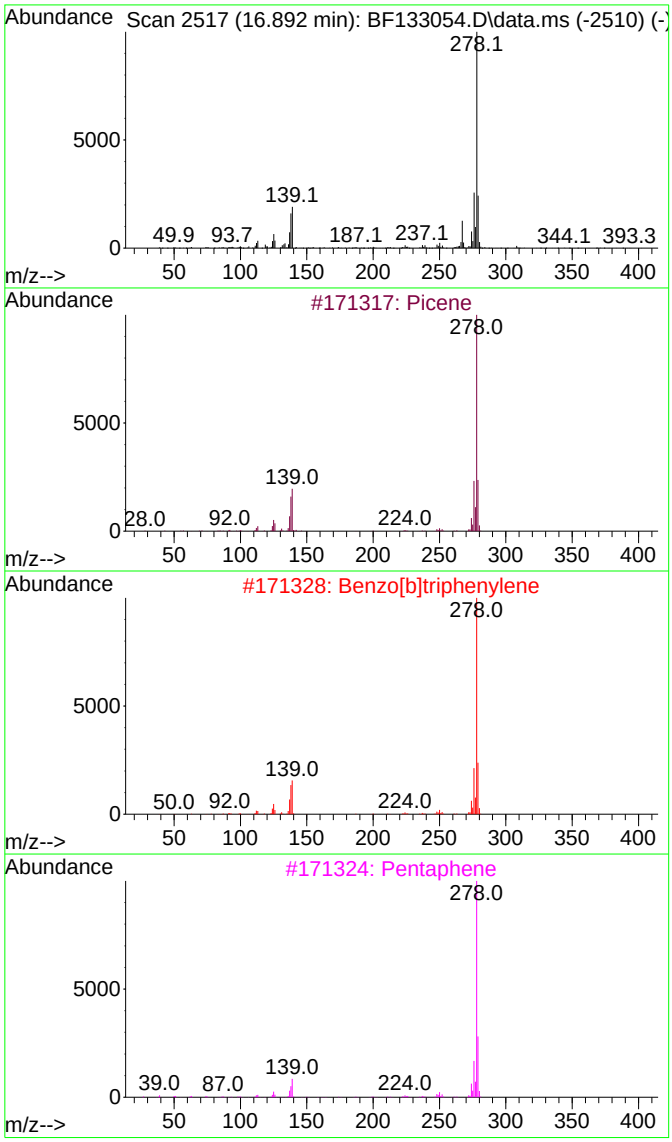
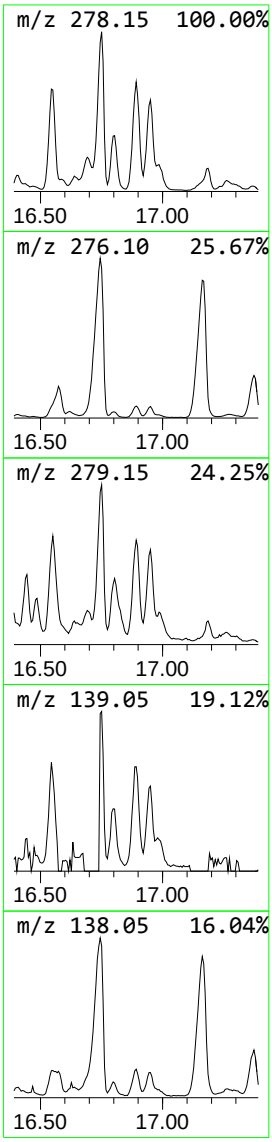
Peak Number 18 Picene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.892	25.27 ng	1401770	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	99
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Pentaphene	278	C22H14	000222-93-5	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	98
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97





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Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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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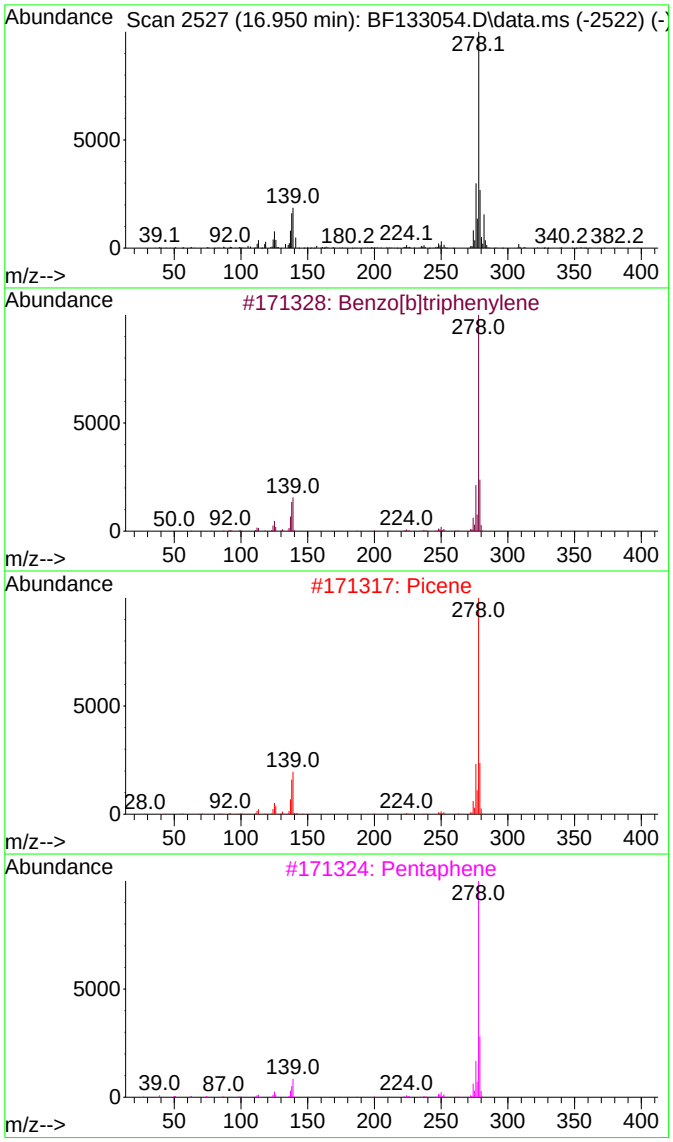
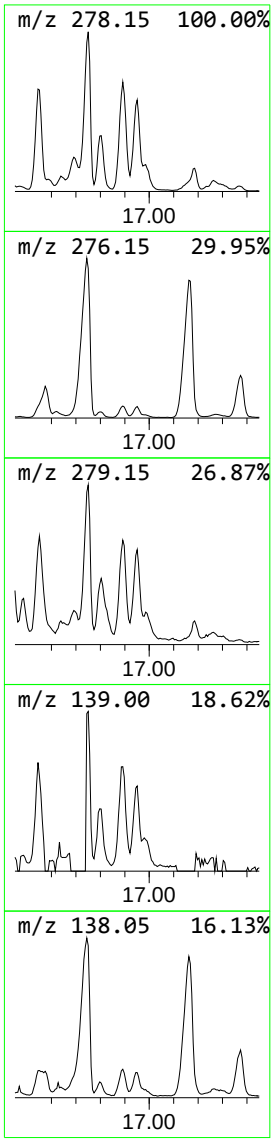
Peak Number 19 Pentaphene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.950	13.99 ng	775781	Perylene-d12	15.345

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	Pentaphene	278	C22H14	000222-93-5	96
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5	Pentacene	278	C22H14	000135-48-8	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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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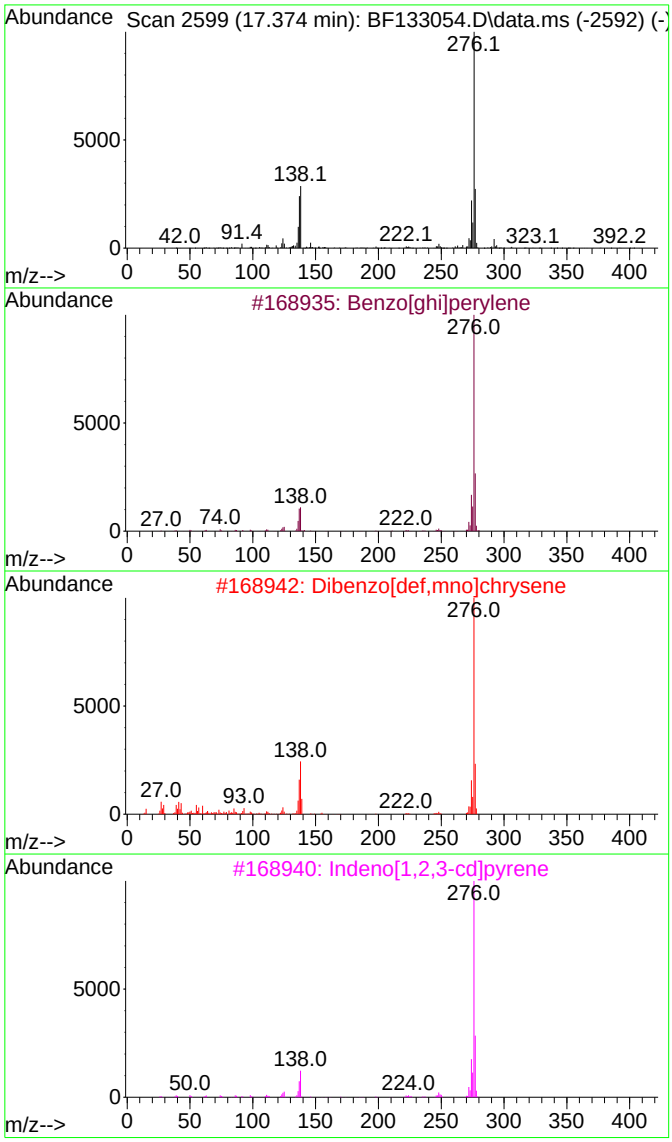
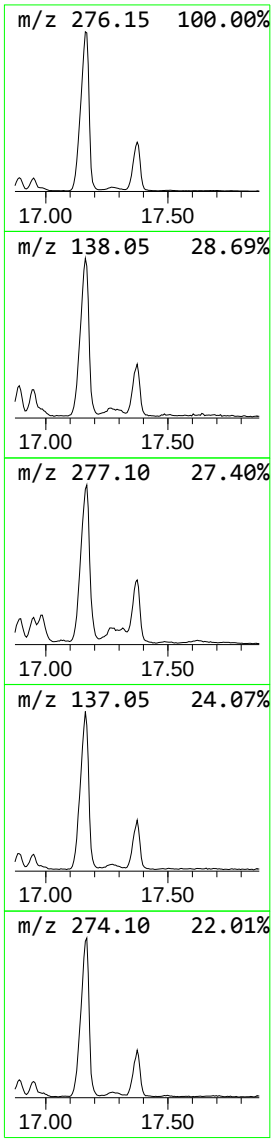
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.374	31.35 ng	1739020	Perylene-d12	15.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	83
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133054.D
Acq On : 26 Apr 2023 05:09
Operator : CG\JU
Sample : 02270-12 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-27-10-12-20230411

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	16.0	ng	995316	4	11.262	1246090	20.0
Phenanthrene, 2...	11.762	26.1	ng	1624340	4	11.262	1246090	20.0
Anthracene, 2-m...	11.792	36.1	ng	2249330	4	11.262	1246090	20.0
1H-Cyclopropa[l...	11.839	17.2	ng	1072530	4	11.262	1246090	20.0
4H-Cyclopenta[d...	11.880	66.0	ng	4115440	4	11.262	1246090	20.0
Naphthalene, 2-...	12.057	21.6	ng	1346520	4	11.262	1246090	20.0
9,10-Anthracene...	12.080	12.7	ng	793610	4	11.262	1246090	20.0
Phenanthrene, 2...	12.310	12.3	ng	768181	4	11.262	1246090	20.0
Cyclopenta(def)...	12.410	16.6	ng	1032000	4	11.262	1246090	20.0
9,10[1',2']-Ben...	14.774	21.8	ng	1206410	6	15.345	1109260	20.0
Benzo[e]pyrene	15.039	34.4	ng	1905510	6	15.345	1109260	20.0
Dinaphtho[1,2-b...	15.115	15.1	ng	836928	6	15.345	1109260	20.0
Perylene	15.233	130.1	ng	7215040	6	15.345	1109260	20.0
13H-Dibenzo[a,h...	15.515	12.9	ng	715851	6	15.345	1109260	20.0
Benz[j]aceanthr...	15.680	14.0	ng	774702	6	15.345	1109260	20.0
1-(4-Methoxyphe...	15.868	16.7	ng	928604	6	15.345	1109260	20.0
Benzo[b]triphen...	16.550	25.0	ng	1388260	6	15.345	1109260	20.0
Picene	16.892	25.3	ng	1401770	6	15.345	1109260	20.0
Pentaphene	16.950	14.0	ng	775781	6	15.345	1109260	20.0
Dibenzo[def,mno...	17.374	31.4	ng	1739020	6	15.345	1109260	20.0