LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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: BF133055.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.345	550	554	563	rVB	864159	824713	32.22%	2.344%
2	6.375	725	729	743	rVB	926507	881494	34.44%	2.505%
3	6.739	788	791	795	rBV	1543227	1247545	48.74%	3.546%
4	7.298	880	886	889	rBV	700535	515069	20.12%	1.464%
5	8.028	1006	1010	1012	rBV	1948168	1627029	63.56%	4.624%
6	8.045	1012	1013	1016	rVB	70369	37638	1.47%	0.107%
7	8.733	1127	1130	1134	rVB	48268	40528	1.58%	0.115%
8	8.833	1144	1147	1152	rVB	71746	51902	2.03%	0.148%
9	9.098	1188	1192	1195	rBV	1410935	998354	39.00%	2.837%
10	9.357	1233	1236	1241	rBV2	41661	51922	2.03%	0.148%
11	9.433	1244	1249	1252	rBV	88452	87270	3.41%	0.248%
12	9.463	1252	1254	1257	rVB	57066	41500	1.62%	0.118%
13	9.551	1267	1269	1275	rVB	49003	50864	1.99%	0.145%
14	9.633	1278	1283	1287	rVB	95928	80758	3.15%	0.230%
15	9.775	1304	1307	1310	rVV	1964642	1588092	62.04%	4.514%
16	9.810	1310	1313	1316	rVB	250185	219056	8.56%	0.623%
17	9.880	1322	1325	1330	rBV2	28275	40124	1.57%	0.114%
18	9.933	1330	1334	1338	rVV2	38353	37012	1.45%	0.105%
19	9.980	1338	1342	1345	rVB	146328	125288	4.89%	0.356%
20	10.092	1357	1361	1364	rBV	43383	44374	1.73%	0.126%
21	10.186	1372	1377	1378	rBV2	35077	42299	1.65%	0.120%
22	10.322	1396	1400	1403	rBV2	198803	166958	6.52%	0.475%
23	10.386	1409	1411	1413	rVV	67482	56247	2.20%	0.160%
24	10.410	1413	1415	1417	rVV2	59176	46789	1.83%	0.133%
25	10.480	1424	1427	1432	rVB2	119099	124962	4.88%	0.355%
26	10.557	1437	1440	1445	rVV	535724	505628	19.75%	1.437%
27	10.686	1460	1462	1469	rVB2	55809	60096	2.35%	0.171%
28	10.869	1487	1493	1496	rBV3	65852	105137	4.11%	0.299%
29	10.898	1496	1498	1501	rVV2	47315	42085	1.64%	0.120%
30	10.998	1510	1515	1517	rBV3	55114	74975	2.93%	0.213%
31	11.022	1517	1519	1523	rVV2	50965	43336	1.69%	0.123%
32	11.063	1523	1526	1530	rVB	126771	118512	4.63%	0.337%
33	11.110	1530	1534	1537	rBV2	62476	86435	3.38%	0.246%
34	11.151	1539	1541	1544	rVB	84802	65796	2.57%	0.187%
35	11.257	1556	1559	1561	rBV	1600860	1371394	53.58%	3.898%
36	11.280	1561	1563	1566	rVV	2093093	1670268	65.25%	4.747%

LSC Area Percent Report

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Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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	11.333	1566	1572	1575	rVV	477649	437238	17.08%	1.243%
38	11.363	1575	1577	1581	rVV2	46901	48566	1.90%	0.138%
39	11.486	1592	1598	1601	rBV2	136859	149200	5.83%	0.424%
40	11.557	1607	1610	1613	rBV2	74930	80267	3.14%	0.228%
41	11.586	1613	1615	1618	rVB2	56222	49444	1.93%	0.141%
42	11.757	1640	1644	1647	rVV	289279	276827	10.81%	0.787%
43	11.786	1647	1649	1654	rVV	424189	369475	14.43%	1.050%
44	11.833	1654	1657	1660	rVV	158054	135237	5.28%	0.384%
45	11.869	1660	1663	1666	rBV	454745	492010	19.22%	1.398%
46	11.892	1666	1667	1670	rVB	229366	142358	5.56%	0.405%
47	11.939	1672	1675	1677	rBV3	30854	36687	1.43%	0.104%
48	12.057	1692	1695	1696	rBV	193229	167153	6.53%	0.475%
49	12.074	1696	1698	1703	rVV	199228	163360	6.38%	0.464%
50	12.127	1705	1707	1711	rVB2	48791	50223	1.96%	0.143%
51	12.204	1718	1720	1723	rVB2	89348	66045	2.58%	0.188%
52	12.233	1723	1725	1727	rVB	55434	38510	1.50%	0.109%
53	12.257	1727	1729	1732	rVB	68337	50822	1.99%	0.144%
54	12.310	1734	1738	1741	rBV	178211	185673	7.25%	0.528%
55	12.345	1741	1744	1746	rVV	94893	105603	4.13%	0.300%
56	12.392	1749	1752	1757	rVB2	168781	187609	7.33%	0.533%
57	12.469	1761	1765	1769	rVB	2534098	2178128	85.09%	6.191%
58	12.527	1769	1775	1778	rBV4	62498	93318	3.65%	0.265%
59	12.598	1783	1787	1789	rBV3	68833	89256	3.49%	0.254%
60	12.698	1798	1804	1807	rBV	2490410	2559736	100.00%	7.275%
61	12.745	1810	1812	1817	rVV2	126964	167838	6.56%	0.477%
62	12.816	1821	1824	1826	rVV	183456	186778	7.30%	0.531%
63	12.845	1826	1829	1835	rVV2	947054	1034353	40.41%	2.940%
64	12.916	1836	1841	1844	rVV2	168398	267708	10.46%	0.761%
65	12.945	1844	1846	1849	rVB2	66386	52129	2.04%	0.148%
66	12.980	1849	1852	1853	rBV2	38107	41923	1.64%	0.119%
67	13.004	1853	1856	1857	rBV3	123332	134011	5.24%	0.381%
68	13.021	1857	1859	1862	rVB	269868	264673	10.34%	0.752%
69	13.057	1862	1865	1867	rBV2	46010	51816	2.02%	0.147%
70	13.092	1868	1871	1873	rBV2	201489	161813	6.32%	0.460%
71	13.127	1873	1877	1880	rBV	296544	258025	10.08%	0.733%
72	13.186	1885	1887	1889	rVV	74400	73081	2.86%	0.208%
73	13.221	1890	1893	1895	rVV	171432	150727	5.89%	0.428%
74	13.251	1895	1898	1902	rVB	183990	159750	6.24%	0.454%
75	13.327	1908	1911	1916	rVB5	59930	70089	2.74%	0.199%
76	13.398	1921	1923	1925	rBV3	45288	52487	2.05%	0.149%

LSC Area Percent Report

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Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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

77	13.427	1926	1928	1930	rVV3	63989	62044	2.42%	0.176%
78	13.527	1942	1945	1950	rVB	209516	230215	8.99%	0.654%
79	13.639	1960	1964	1967	rBV2	207055	290014	11.33%	0.824%
80	13.668	1967	1969	1971	rVV	232878	235168	9.19%	0.668%
81	13.692	1971	1973	1978	rVV2	208166	332430	12.99%	0.945%
82	13.733	1978	1980	1988	rVB	234886	295509	11.54%	0.840%
83	13.892	2002	2007	2010	rBV2	1873896	2523305	98.58%	7.172%
84	13.921	2010	2012	2018	rVB	1155948	978854	38.24%	2.782%
85	13.998	2020	2025	2028	rBV	231274	252836	9.88%	0.719%
86	14.080	2036	2039	2041	rVB2	95612	88943	3.47%	0.253%
87	14.115	2041	2045	2049	rVB2	103516	157830	6.17%	0.449%
88	14.245	2064	2067	2069	rBV	73997	72975	2.85%	0.207%
89	14.280	2070	2073	2076	rVB	227182	210569	8.23%	0.598%
90	14.315	2076	2079	2082	rVB	135849	116396	4.55%	0.331%
91	14.374	2086	2089	2091	rBV3	86208	97322	3.80%	0.277%
92	14.404	2091	2094	2096	rBV2	165387	184099	7.19%	0.523%
93	14.915	2176	2181	2183	rBV	753529	1052825	41.13%	2.992%
94	15.015	2195	2198	2201	rVB	172470	182511	7.13%	0.519%
95	15.198	2225	2229	2235	rVB	470643	569242	22.24%	1.618%
96	15.257	2235	2239	2244	rVV	696709	756759	29.56%	2.151%
97	15.321	2245	2250	2253	rVV	795126	983092	38.41%	2.794%
98	15.345	2253	2254	2262	rVB2	187477	221371	8.65%	0.629%
99	16.692	2479	2483	2491	rVB2	259104	480515	18.77%	1.366%
100	17.109	2549	2554	2564	rVB	188004	358533	14.01%	1.019%

Sum of corrected areas: 35184752

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
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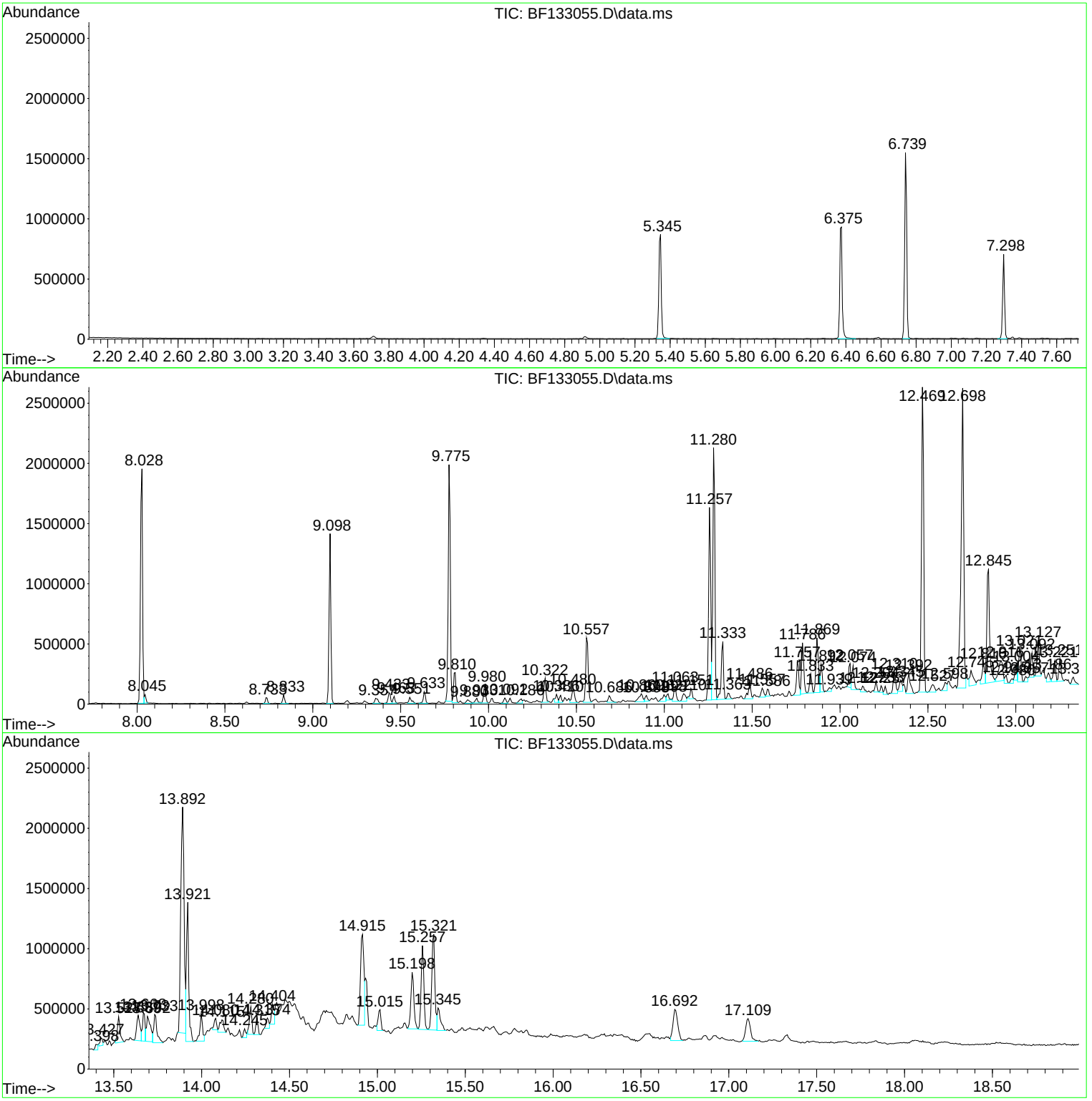
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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 : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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

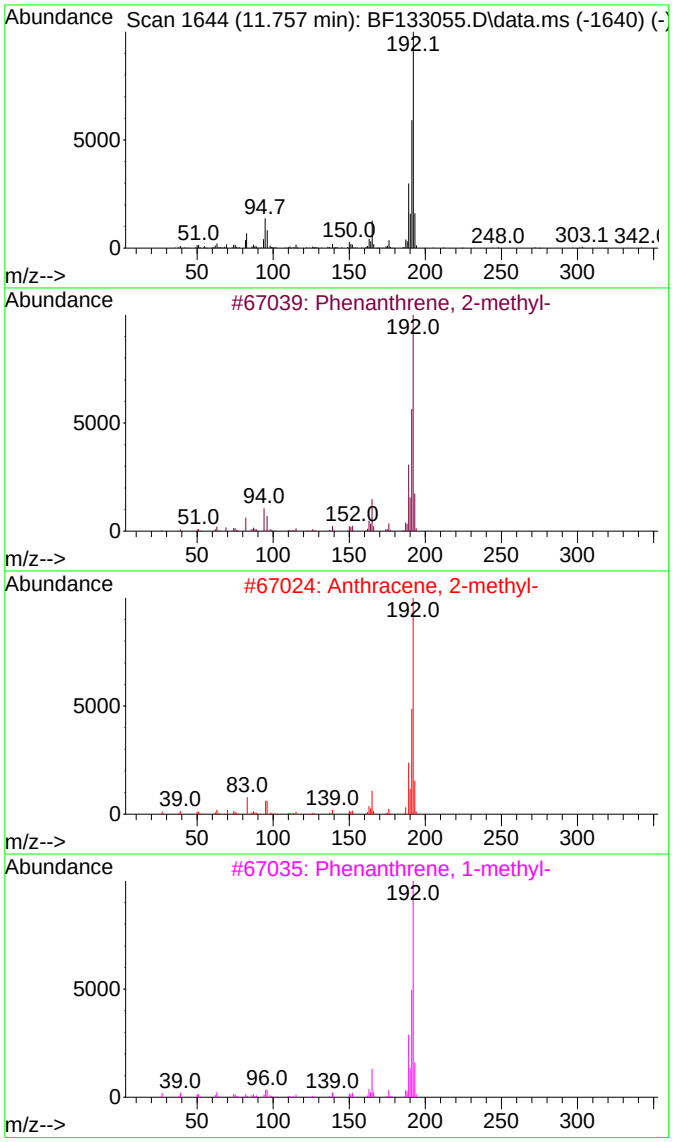
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

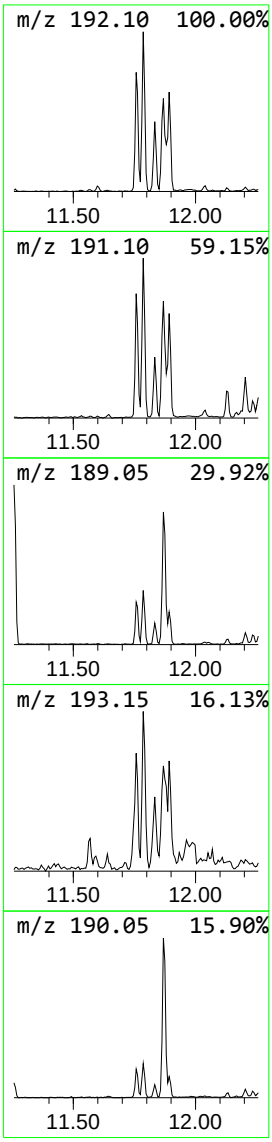
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.757	4.04 ng	276827	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
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	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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

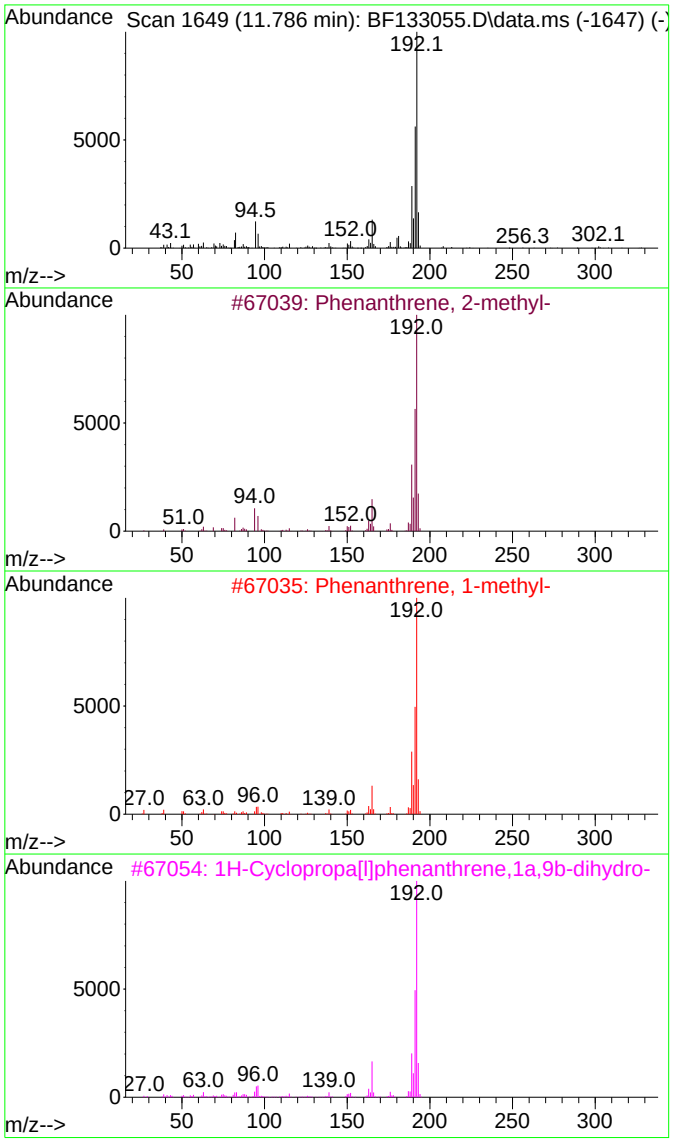
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

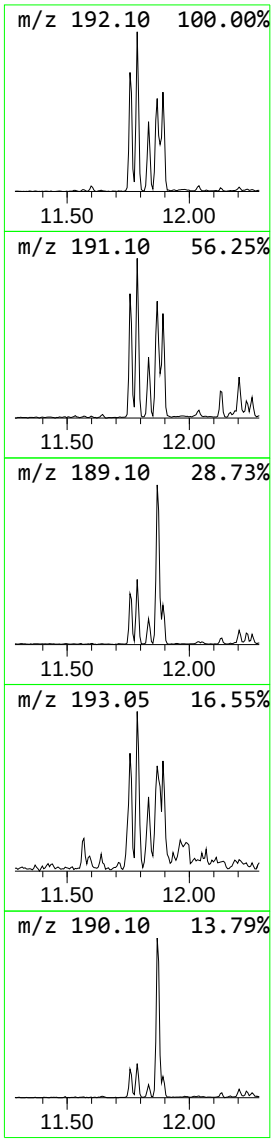
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	5.39 ng	369475	Phenanthrene-d10	11.257

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

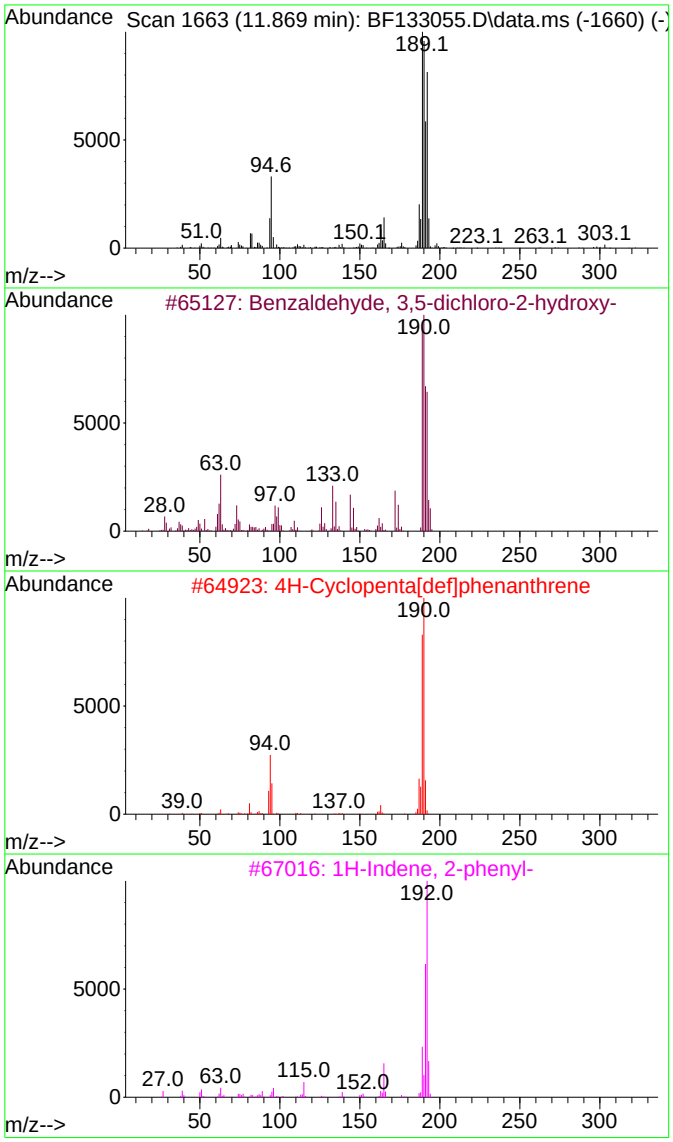
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

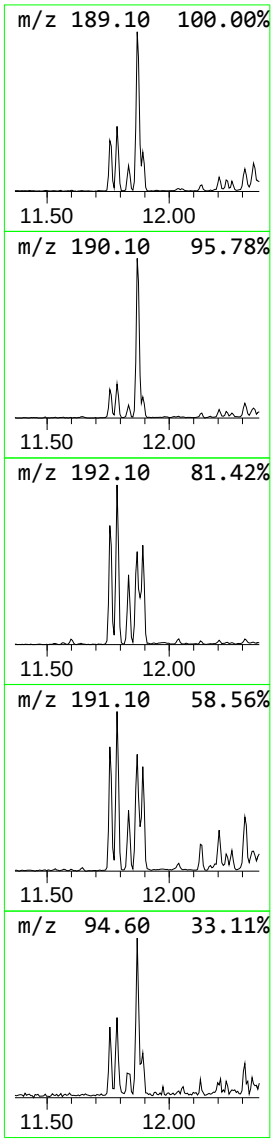
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	7.18 ng	492010	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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

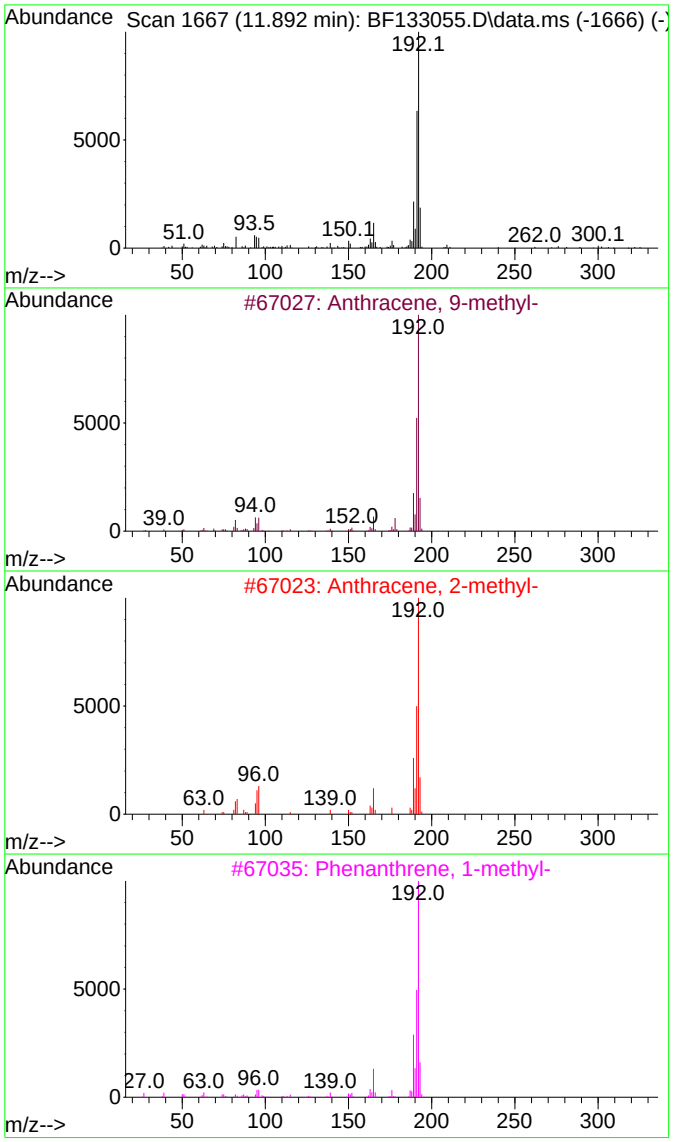
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

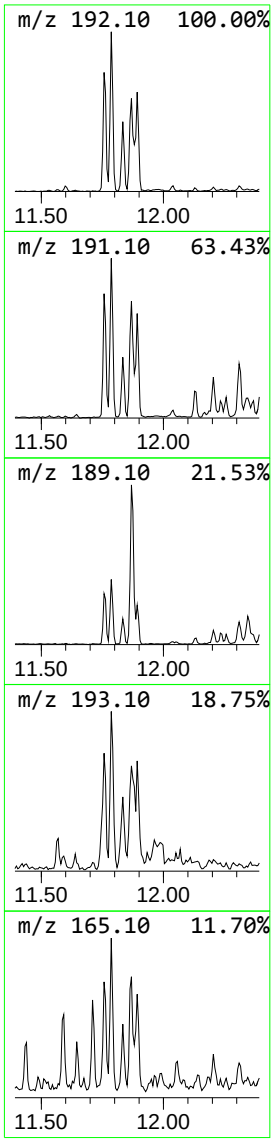
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	2.08 ng	142358	Phenanthrene-d10	11.257

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	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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

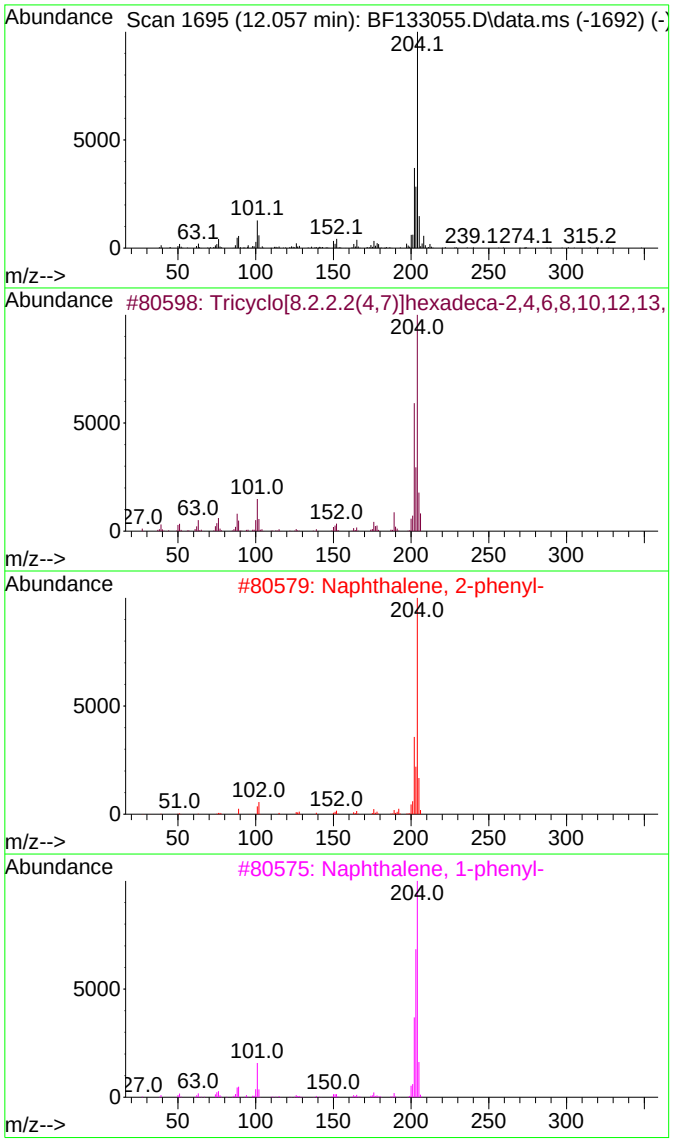
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

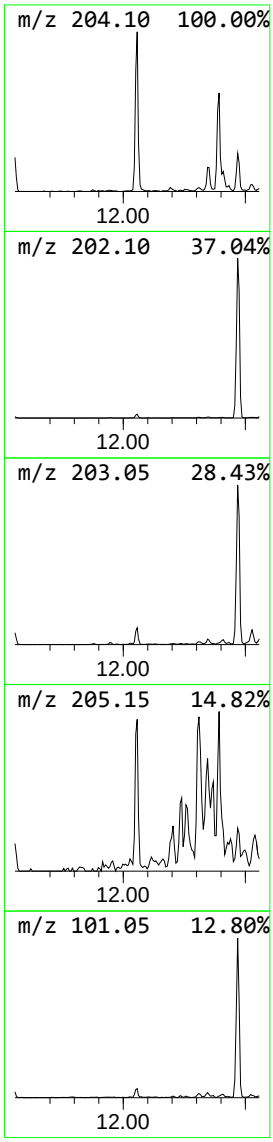
****

Peak Number 7 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	2.44 ng	167153	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
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Instrument :
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ClientSampleId :
SB-25-0-2-20230411

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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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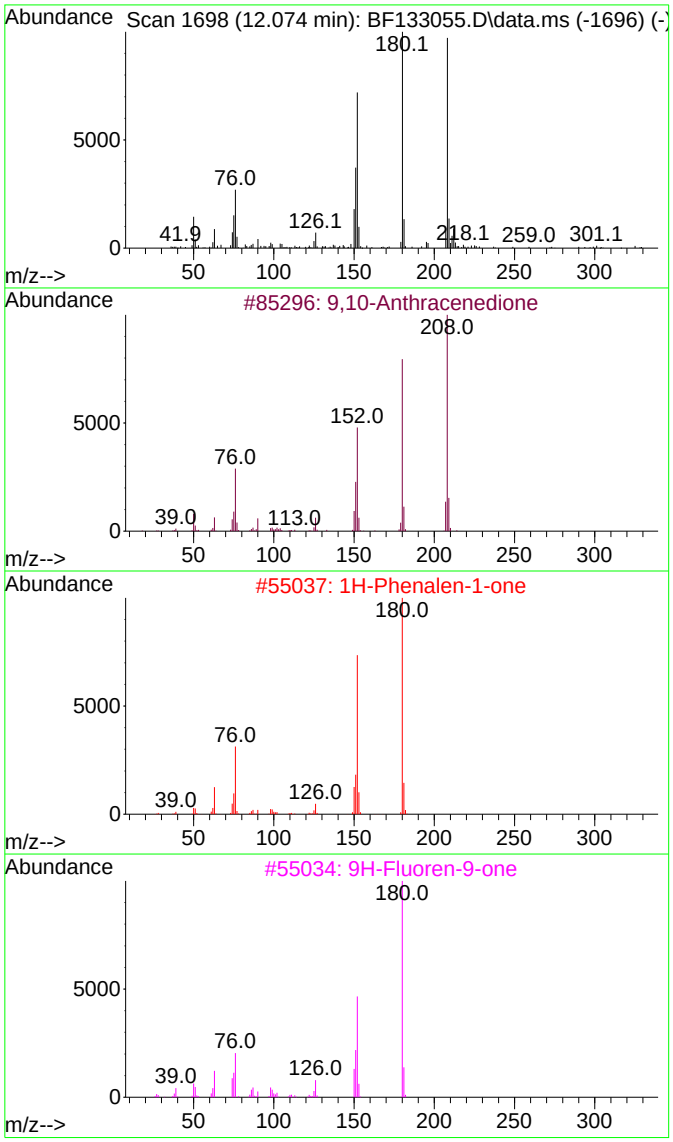
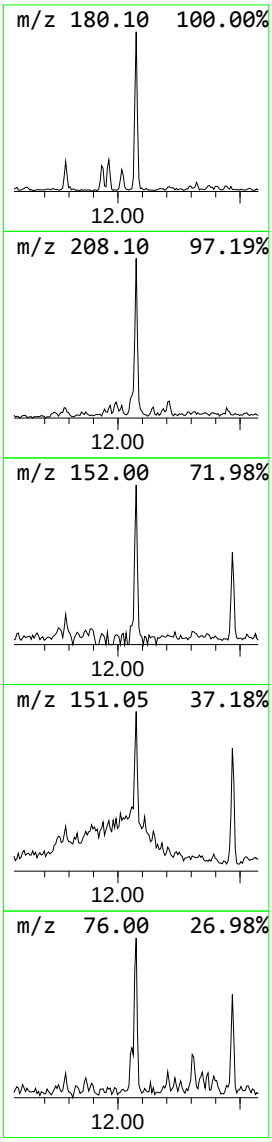
Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	2.38 ng	163360	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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ClientSampleId :
SB-25-0-2-20230411

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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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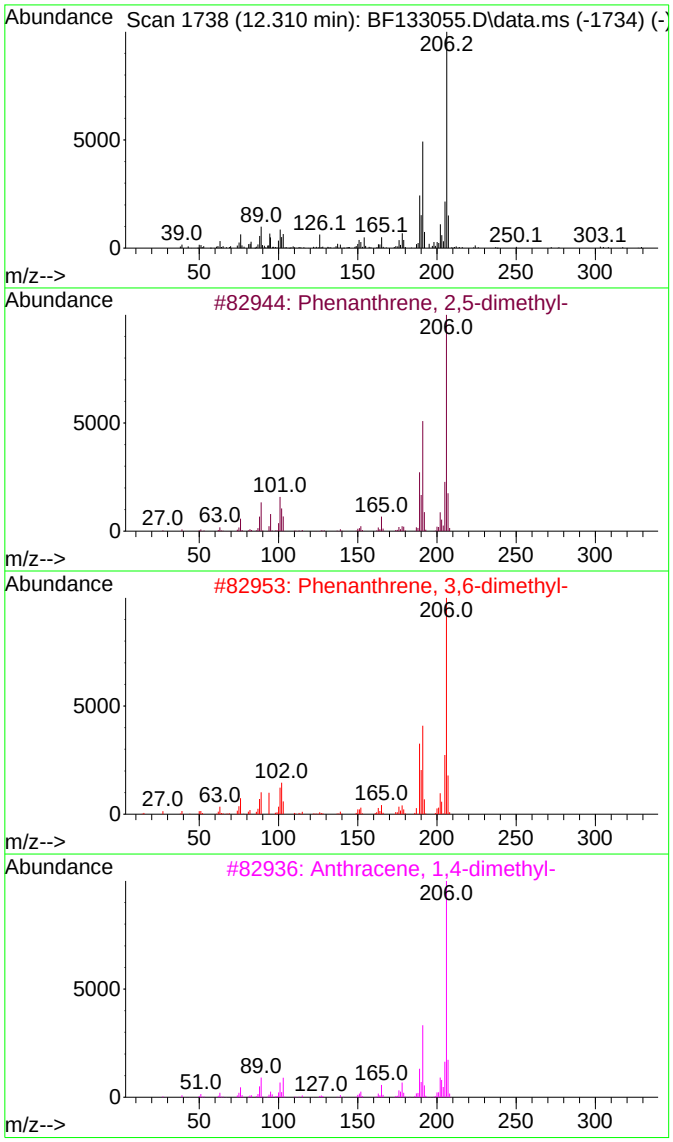
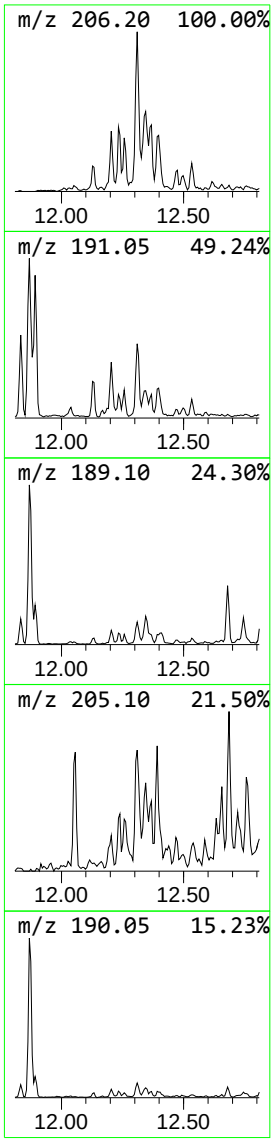
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	2.71 ng	185673	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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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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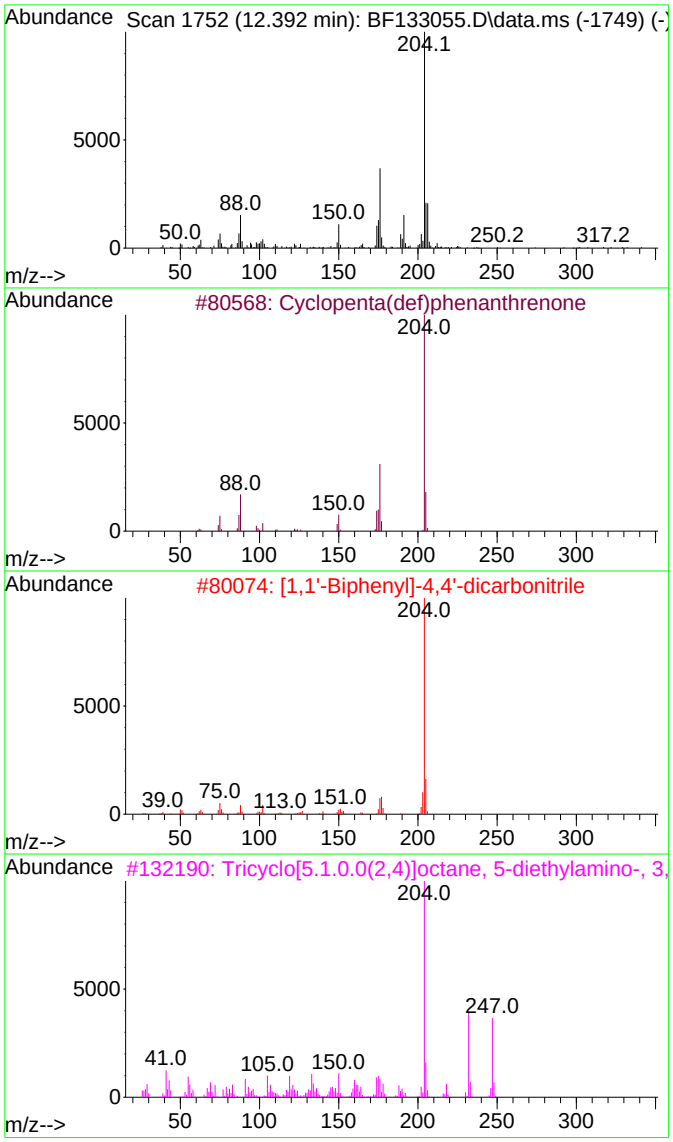
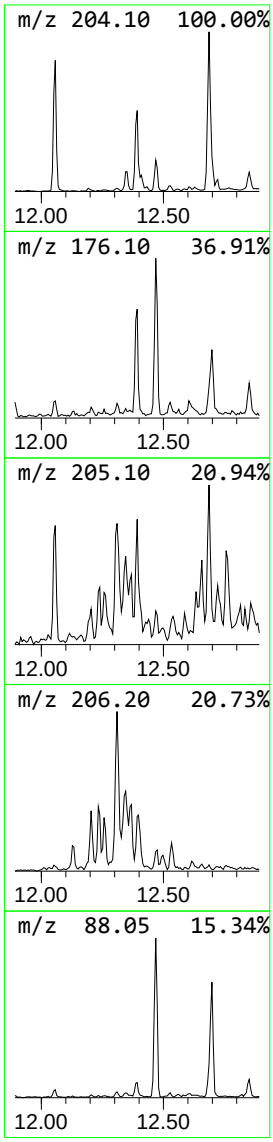
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	2.74 ng	187609	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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SB-25-0-2-20230411

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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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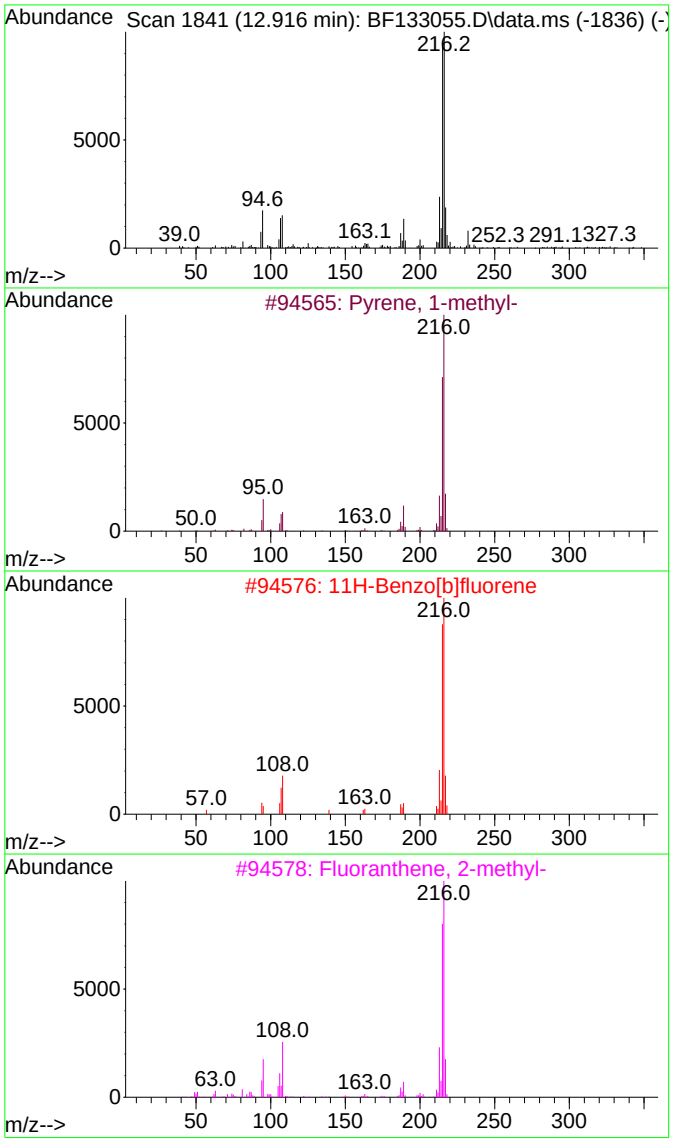
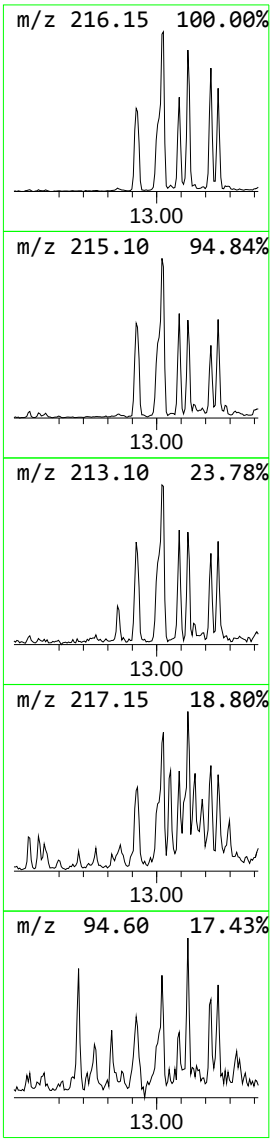
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.916	2.12 ng	267708	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

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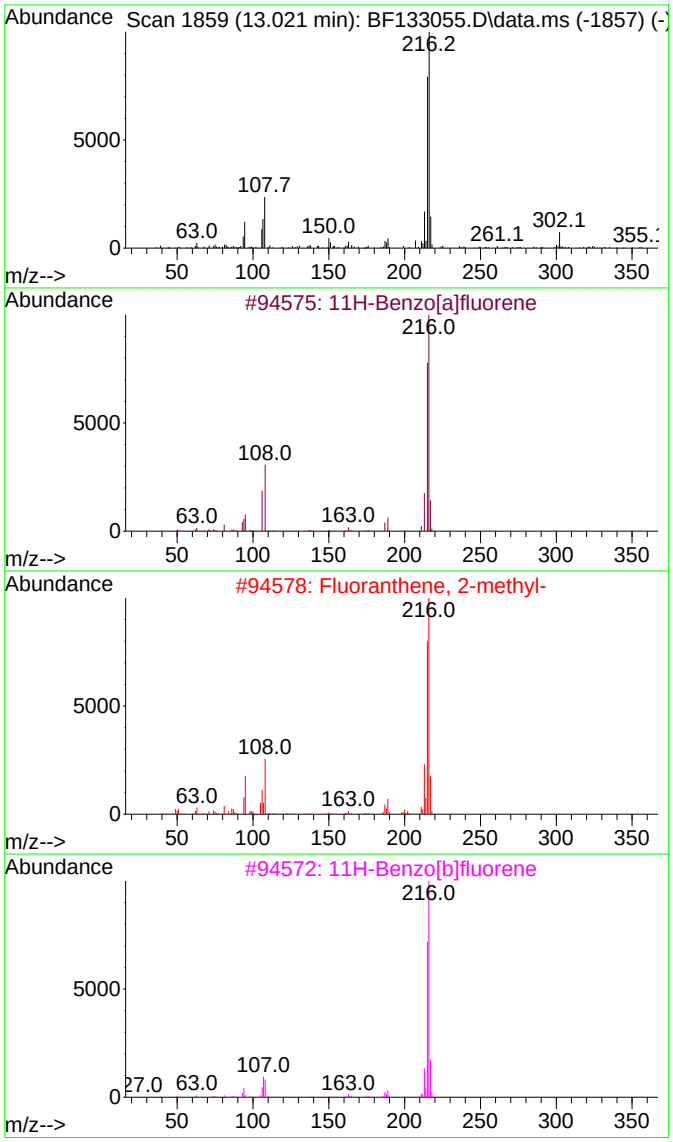
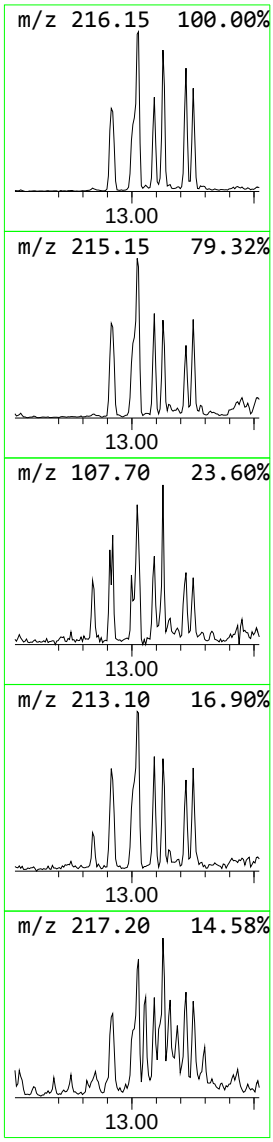
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.021	2.10 ng	264673	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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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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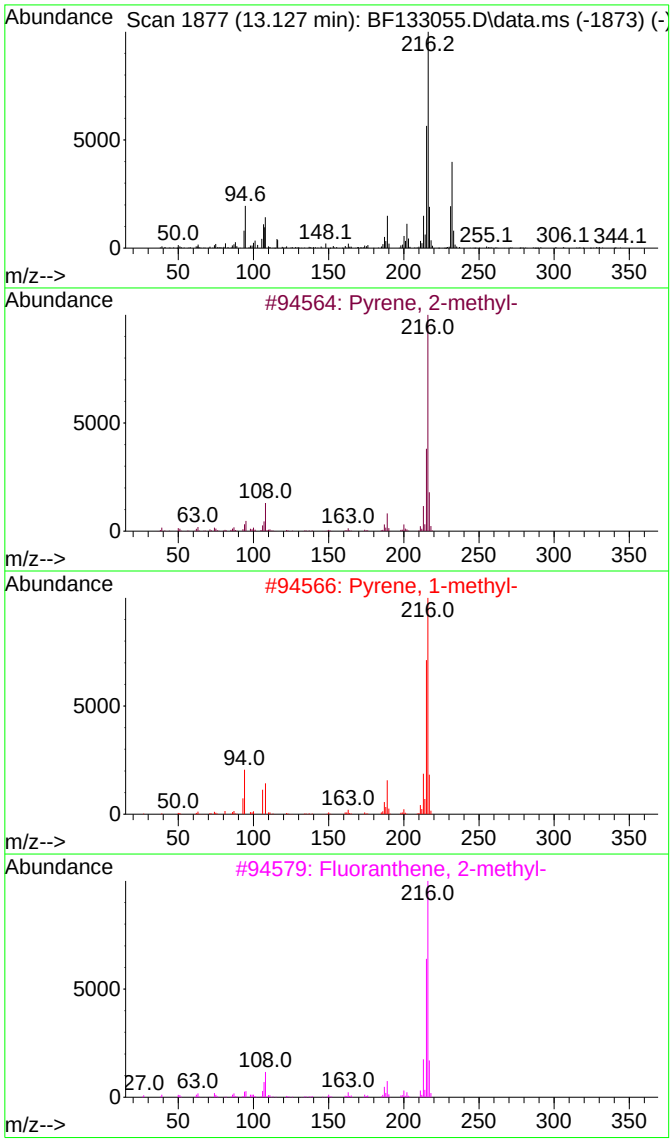
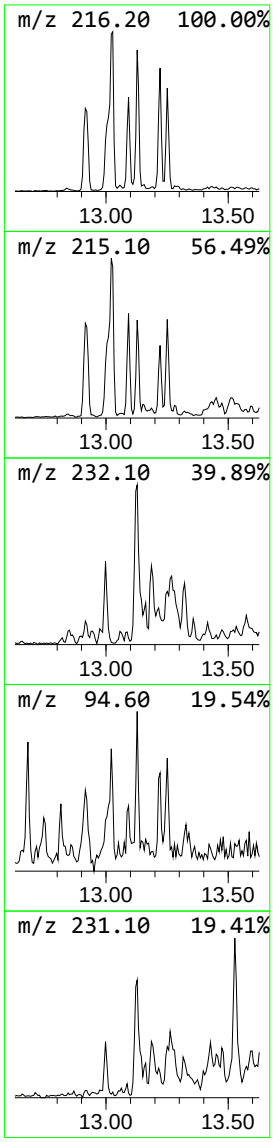
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.127	2.05 ng	258025	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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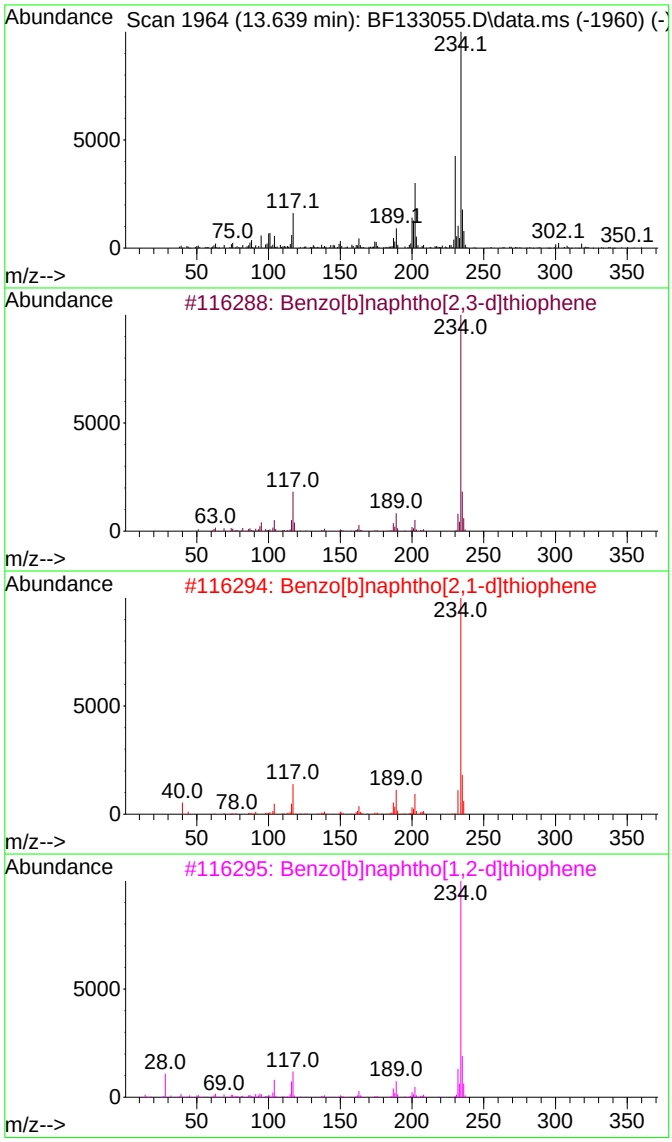
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

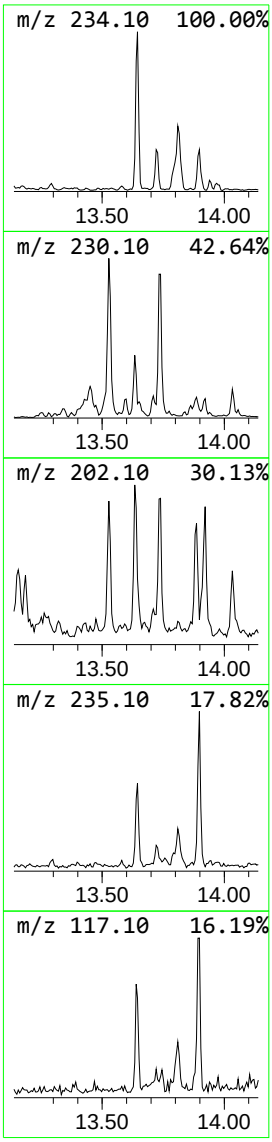
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.639	2.30 ng	290014	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	38





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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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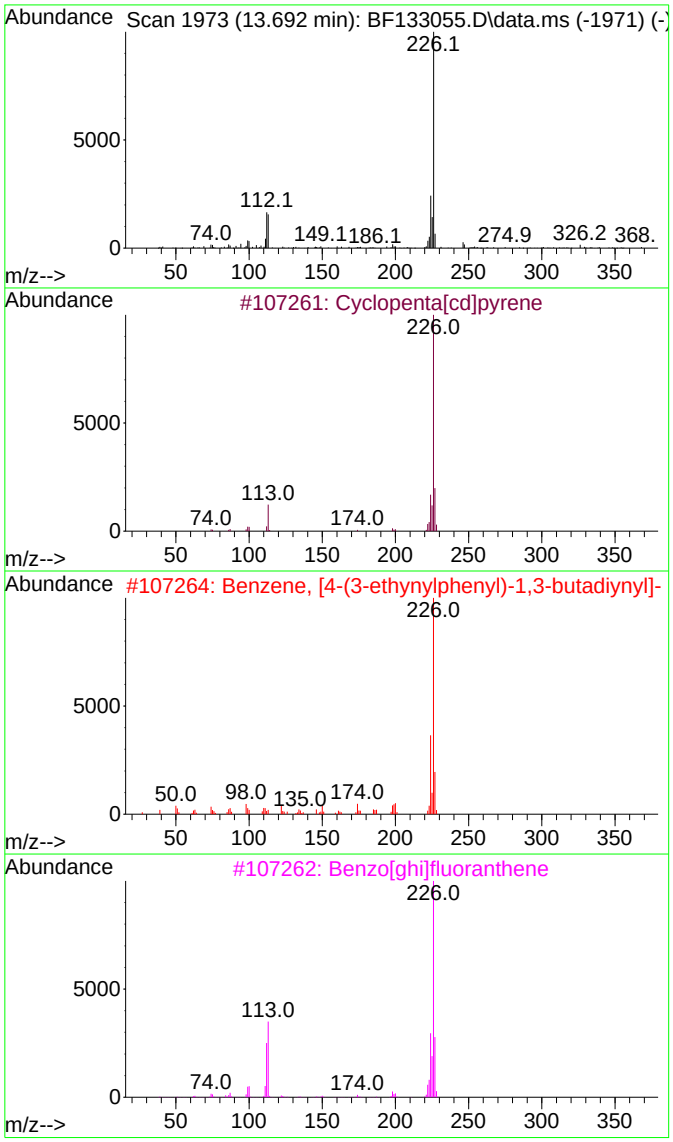
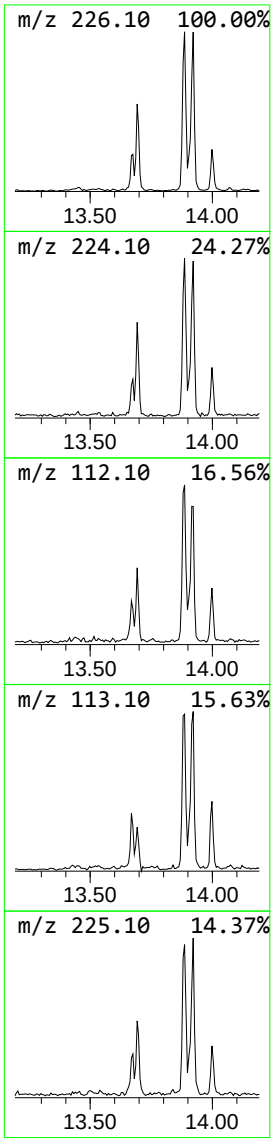
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.692	2.63 ng	332430	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
4	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	36
5	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	33





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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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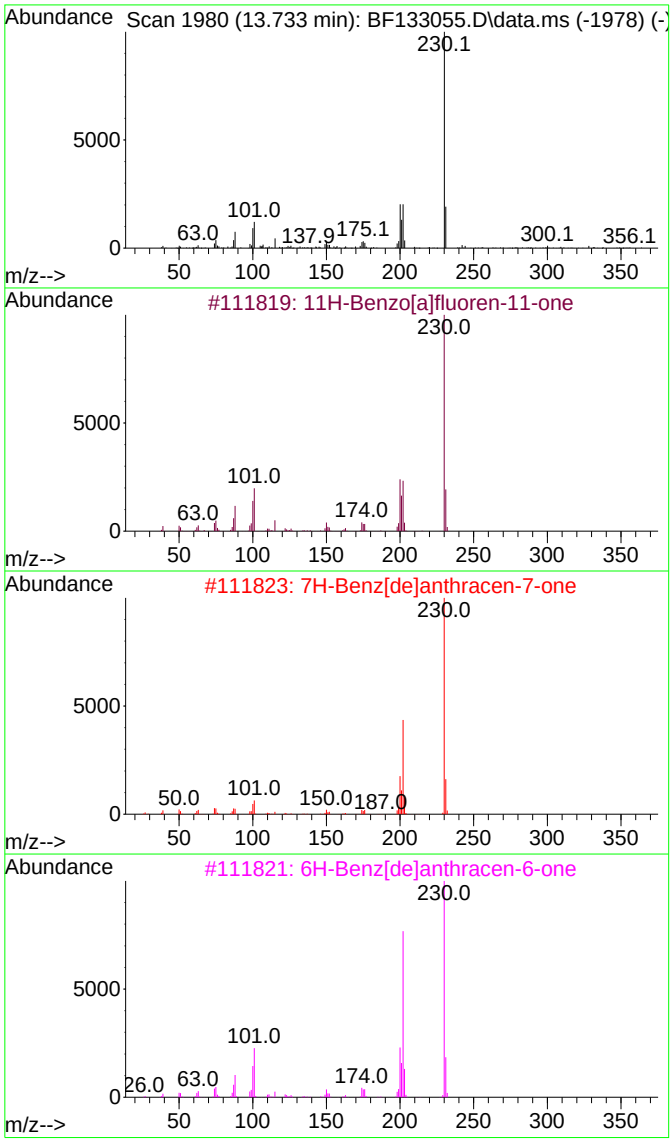
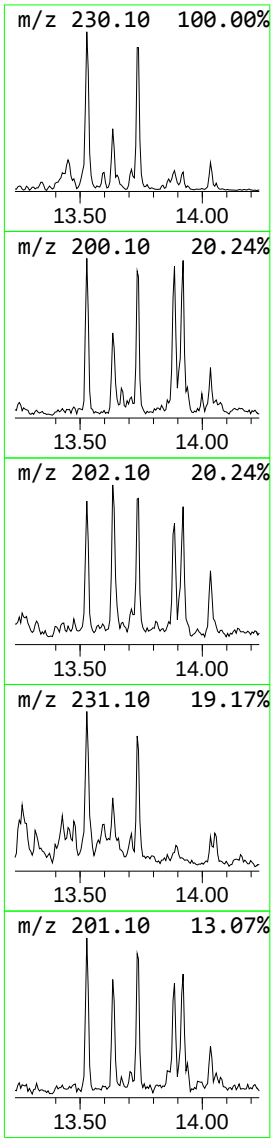
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.733	2.34 ng	295509	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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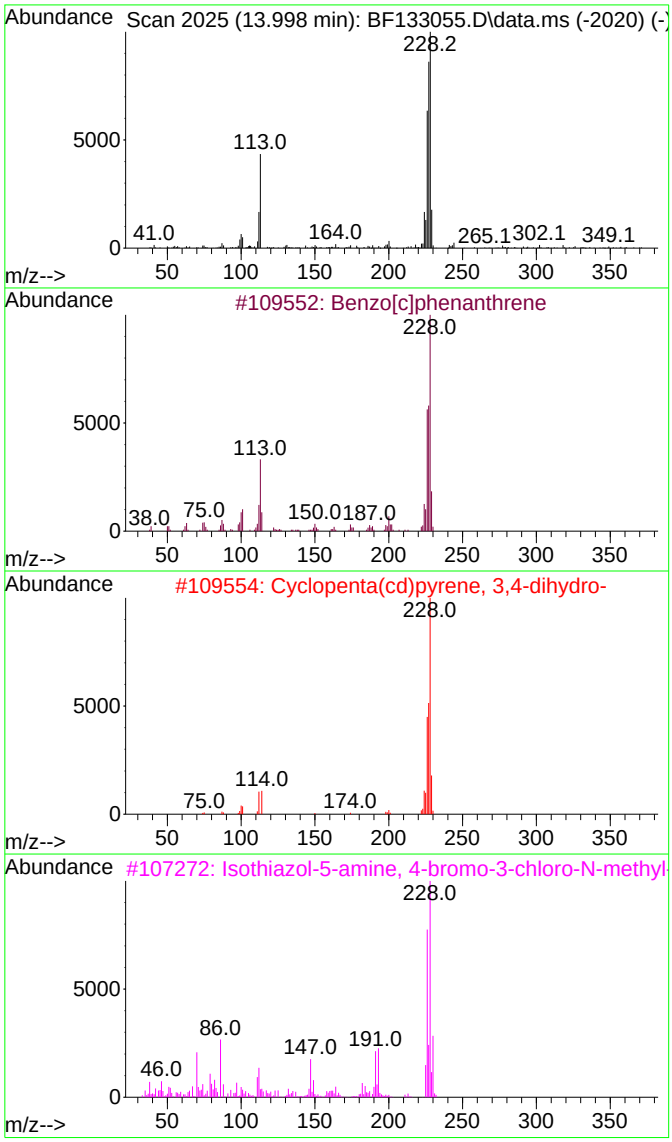
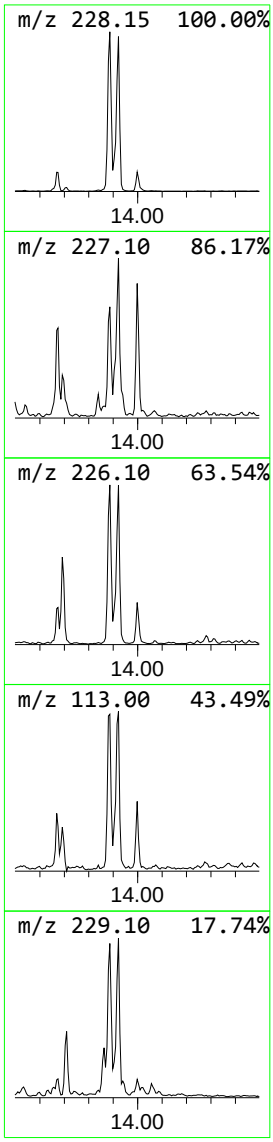
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.998	2.00 ng	252836	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
4	Triphenylene	228	C18H12	000217-59-4	46
5	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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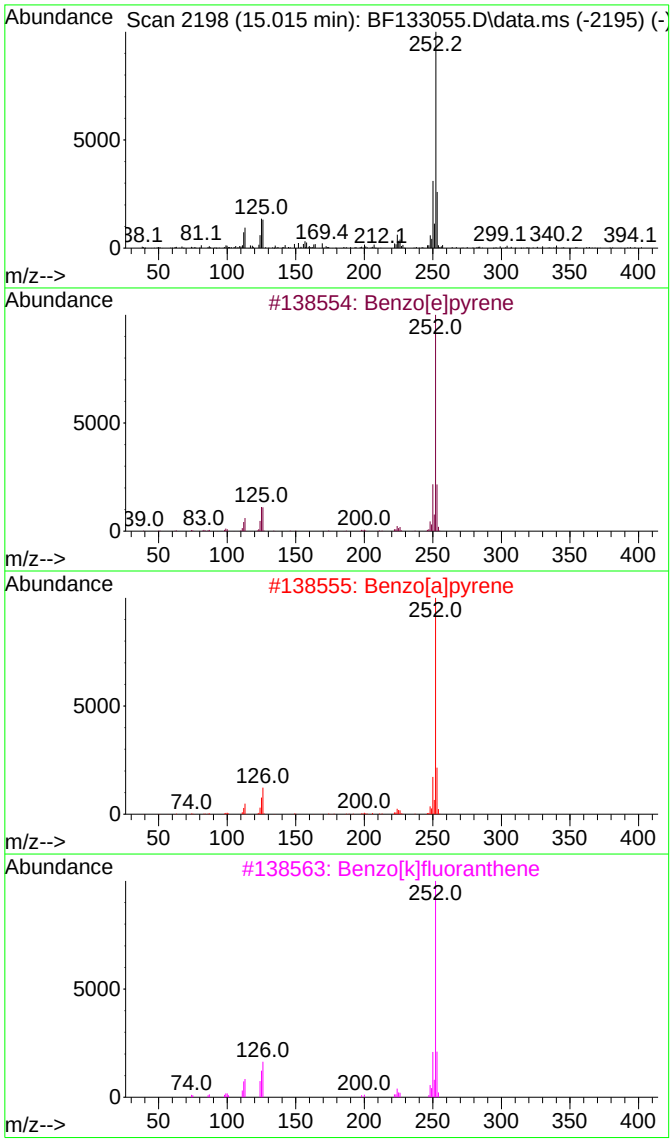
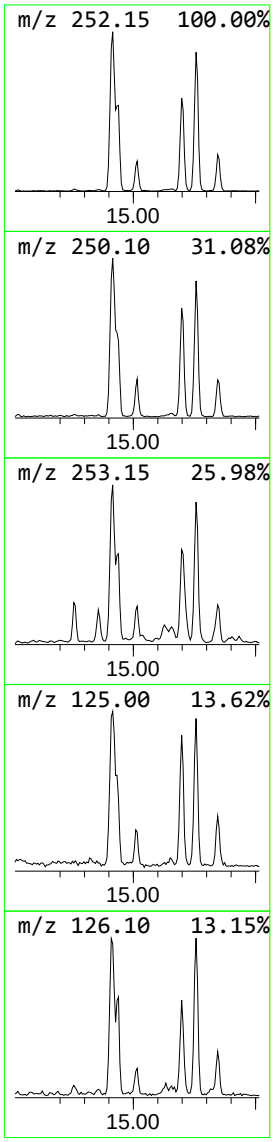
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.015	3.71 ng	182511	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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

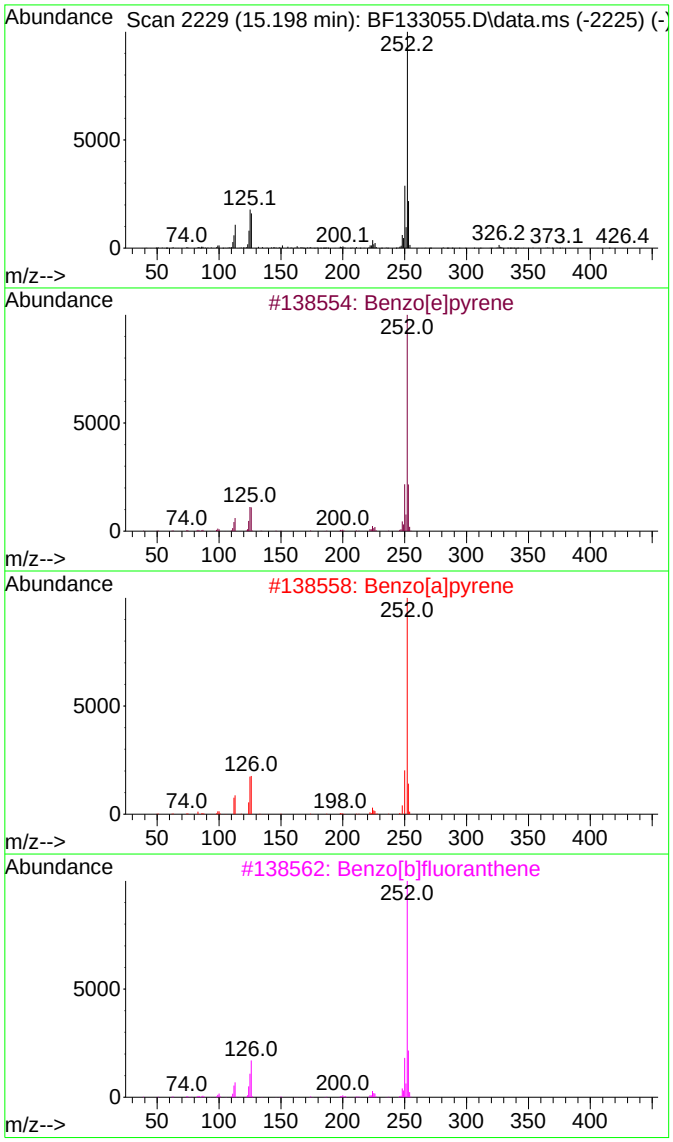
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

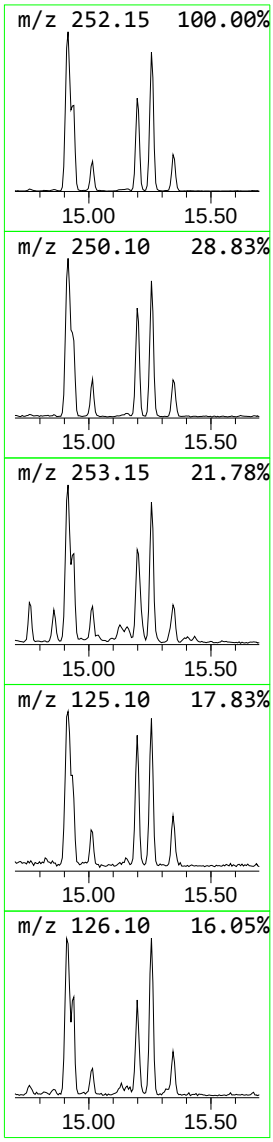
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	11.58 ng	569242	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
Acq On : 26 Apr 2023 05:40
Operator : CG\JU
Sample : 02270-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

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
Phenanthrene, 2...	11.757	4.0	ng	276827	4	11.257	1371390	20.0
Phenanthrene, 1...	11.786	5.4	ng	369475	4	11.257	1371390	20.0
Benzaldehyde, 3...	11.869	7.2	ng	492010	4	11.257	1371390	20.0
Anthracene, 9-m...	11.892	2.1	ng	142358	4	11.257	1371390	20.0
Tricyclo[8.2.2....	12.057	2.4	ng	167153	4	11.257	1371390	20.0
9,10-Anthracene...	12.074	2.4	ng	163360	4	11.257	1371390	20.0
Phenanthrene, 2...	12.310	2.7	ng	185673	4	11.257	1371390	20.0
Cyclopenta(def)...	12.392	2.7	ng	187609	4	11.257	1371390	20.0
Pyrene, 1-methyl-	12.916	2.1	ng	267708	5	13.898	2523310	20.0
11H-Benzo[a]flu...	13.021	2.1	ng	264673	5	13.898	2523310	20.0
Pyrene, 2-methyl-	13.127	2.0	ng	258025	5	13.898	2523310	20.0
Benzo[b]naphtho...	13.639	2.3	ng	290014	5	13.898	2523310	20.0
Cyclopenta[cd]p...	13.692	2.6	ng	332430	5	13.898	2523310	20.0
11H-Benzo[a]flu...	13.733	2.3	ng	295509	5	13.898	2523310	20.0
Benzo[c]phenant...	13.998	2.0	ng	252836	5	13.898	2523310	20.0
Benzo[e]pyrene	15.015	3.7	ng	182511	6	15.321	983092	20.0
Benzo[j]fluoran...	15.198	11.6	ng	569242	6	15.321	983092	20.0