LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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: BF133051.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	562	rBV	402575	385231	6.31%	0.496%
2	6.375	725	729	736	rBV	495135	435822	7.13%	0.561%
3	6.740	788	791	795	rVB	1637219	1285523	21.04%	1.655%
4	7.298	882	886	890	rBV	326232	239832	3.93%	0.309%
5	8.028	1006	1010	1012	rBV	2079905	1844648	30.19%	2.374%
6	8.045	1012	1013	1016	rVB	1388468	845898	13.85%	1.089%
7	8.734	1127	1130	1134	rBV	450148	369294	6.04%	0.475%
8	8.834	1144	1147	1151	rVB	267001	200728	3.29%	0.258%
9	9.098	1189	1192	1195	rBV	716198	508266	8.32%	0.654%
10	9.198	1205	1209	1212	rVB	151505	116113	1.90%	0.149%
11	9.292	1222	1225	1230	rVB	96392	87340	1.43%	0.112%
12	9.363	1233	1237	1241	rVV	84232	113879	1.86%	0.147%
13	9.434	1244	1249	1252	rBV	114253	112599	1.84%	0.145%
14	9.775	1302	1307	1310	rBV	2147116	1764952	28.89%	2.272%
15	9.810	1310	1313	1316	rVB	1776095	1397147	22.87%	1.798%
16	9.981	1338	1342	1345	rBV	900346	702098	11.49%	0.904%
17	10.322	1396	1400	1403	rBV	1506646	1109162	18.16%	1.428%
18	10.410	1413	1415	1417	rVB	177392	126878	2.08%	0.163%
19	10.457	1421	1423	1425	rVV	111580	82908	1.36%	0.107%
20	10.480	1425	1427	1431	rVB	213556	163106	2.67%	0.210%
21	10.557	1437	1440	1445	rBV	384530	382634	6.26%	0.493%
22	10.869	1486	1493	1496	rBV3	144427	168711	2.76%	0.217%
23	11.063	1523	1526	1530	rVB	135400	125079	2.05%	0.161%
24	11.116	1530	1535	1538	rBV3	67656	99764	1.63%	0.128%
25	11.151	1538	1541	1547	rVB	350739	337458	5.52%	0.434%
26	11.257	1555	1559	1561	rBV	1507966	1510033	24.72%	1.944%
27	11.286	1561	1564	1567	rVV	5430061	4999878	81.84%	6.436%
28	11.333	1567	1572	1575	rVV	2024403	1719388	28.14%	2.213%
29	11.363	1575	1577	1581	rVB	153301	134236	2.20%	0.173%
30	11.486	1591	1598	1601	rBV2	739303	681756	11.16%	0.878%
31	11.557	1606	1610	1613	rBV3	91182	100647	1.65%	0.130%
32	11.757	1639	1644	1647	rBV	380357	391561	6.41%	0.504%
33	11.786	1647	1649	1653	rVB	679055	518212	8.48%	0.667%
34	11.833	1653	1657	1660	rBV	249916	216725	3.55%	0.279%
35	11.869	1660	1663	1666	rBV	940306	947811	15.51%	1.220%
36	11.892	1666	1667	1672	rVB	267382	157045	2.57%	0.202%

LSC Area Percent Report

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Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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	12.057	1692	1695	1696	rBV	294774	253179	4.14%	0.326%
38	12.075	1696	1698	1702	rVB	199365	157165	2.57%	0.202%
39	12.310	1734	1738	1741	rBV	128690	144197	2.36%	0.186%
40	12.345	1741	1744	1746	rVV	90878	95743	1.57%	0.123%
41	12.392	1749	1752	1757	rVB3	91469	117982	1.93%	0.152%
42	12.474	1761	1766	1769	rBV	5619548	5670234	92.82%	7.299%
43	12.527	1769	1775	1779	rBV2	125792	144165	2.36%	0.186%
44	12.622	1787	1791	1798	rVB2	204308	281680	4.61%	0.363%
45	12.704	1798	1805	1808	rBV2	4780364	6096020	99.79%	7.847%
46	12.745	1810	1812	1819	rVB	260358	242274	3.97%	0.312%
47	12.816	1821	1824	1826	rVV	353869	308190	5.04%	0.397%
48	12.845	1826	1829	1834	rVB2	673587	799583	13.09%	1.029%
49	12.922	1836	1842	1844	rBV2	278470	490933	8.04%	0.632%
50	12.945	1844	1846	1849	rVB	264100	186779	3.06%	0.240%
51	12.998	1849	1855	1857	rBV4	251894	384158	6.29%	0.494%
52	13.027	1857	1860	1863	rVV	1227307	1042477	17.06%	1.342%
53	13.092	1868	1871	1874	rBV	1327941	1103315	18.06%	1.420%
54	13.127	1874	1877	1879	rVV2	539814	544465	8.91%	0.701%
55	13.157	1879	1882	1885	rVV	289581	315976	5.17%	0.407%
56	13.186	1885	1887	1889	rVV	163362	133902	2.19%	0.172%
57	13.221	1890	1893	1896	rVV2	220129	214688	3.51%	0.276%
58	13.251	1896	1898	1904	rVV2	265465	326899	5.35%	0.421%
59	13.427	1926	1928	1930	rVV2	146336	151609	2.48%	0.195%
60	13.451	1930	1932	1935	rVV	155779	165928	2.72%	0.214%
61	13.510	1938	1942	1943	rBV2	147500	170617	2.79%	0.220%
62	13.527	1943	1945	1950	rVB2	174271	244375	4.00%	0.315%
63	13.645	1960	1965	1967	rBV	662236	712354	11.66%	0.917%
64	13.674	1967	1970	1971	rBV	421320	343424	5.62%	0.442%
65	13.692	1971	1973	1975	rBV	285667	226569	3.71%	0.292%
66	13.810	1988	1993	1997	rBV	254064	321849	5.27%	0.414%
67	13.892	1999	2007	2010	rVV2	4098668	6109132	100.00%	7.864%
68	13.927	2010	2013	2018	rVB	3863297	3559348	58.26%	4.582%
69	14.004	2020	2026	2029	rVV	1038992	1021354	16.72%	1.315%
70	14.033	2029	2031	2033	rVV	208375	217551	3.56%	0.280%
71	14.086	2036	2040	2042	rVV	565137	600448	9.83%	0.773%
72	14.121	2042	2046	2049	rVV2	456744	644694	10.55%	0.830%
73	14.216	2059	2062	2065	rBV2	198290	227324	3.72%	0.293%
74	14.245	2065	2067	2069	rBV	196441	155942	2.55%	0.201%
75	14.280	2069	2073	2076	rBV	538000	545835	8.93%	0.703%
76	14.316	2076	2079	2082	rVB2	311436	289462	4.74%	0.373%

LSC Area Percent Report

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Operator : CG\JU
Sample : 02270-14 10X
Misc :
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Instrument :
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SB-24-5-7-20230411

Integration Parameters: rteint.p
Integrator: RTE
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.374	2086	2089	2092	rBV2	398470	363580	5.95%	0.468%
78	14.404	2092	2094	2096	rBV2	315342	269666	4.41%	0.347%
79	14.427	2096	2098	2101	rVB2	537254	444026	7.27%	0.572%
80	14.463	2101	2104	2105	rBV	157965	141315	2.31%	0.182%
81	14.580	2121	2124	2127	rBV3	154427	226990	3.72%	0.292%
82	14.657	2135	2137	2140	rBV3	91876	85401	1.40%	0.110%
83	14.757	2152	2154	2158	rVB	149961	140152	2.29%	0.180%
84	14.827	2163	2166	2169	rBV3	99746	120836	1.98%	0.156%
85	14.857	2169	2171	2176	rVB	117563	140483	2.30%	0.181%
86	14.921	2176	2182	2184	rBV	2604904	3901433	63.86%	5.022%
87	14.945	2184	2186	2189	rVV	1632972	1382170	22.62%	1.779%
88	14.986	2191	2193	2195	rVV2	92075	88800	1.45%	0.114%
89	15.015	2195	2198	2201	rVB	569898	539021	8.82%	0.694%
90	15.104	2209	2213	2214	rBV3	150457	182641	2.99%	0.235%
91	15.204	2225	2230	2236	rVB	1543793	2048773	33.54%	2.637%
92	15.268	2236	2241	2245	rBV	2196260	2619501	42.88%	3.372%
93	15.321	2246	2250	2253	rVV	911458	1166730	19.10%	1.502%
94	15.351	2253	2255	2261	rVB2	733366	799774	13.09%	1.029%
95	15.845	2337	2339	2343	rVB2	147335	177133	2.90%	0.228%
96	16.527	2452	2455	2463	rVB3	129748	307650	5.04%	0.396%
97	16.704	2479	2485	2492	rVB2	858482	1556118	25.47%	2.003%
98	16.868	2509	2513	2517	rVB	169066	266751	4.37%	0.343%
99	17.115	2549	2555	2571	rVB	606885	1301033	21.30%	1.675%
100	17.333	2588	2592	2597	rVB	164116	274153	4.49%	0.353%

Sum of corrected areas: 77688311

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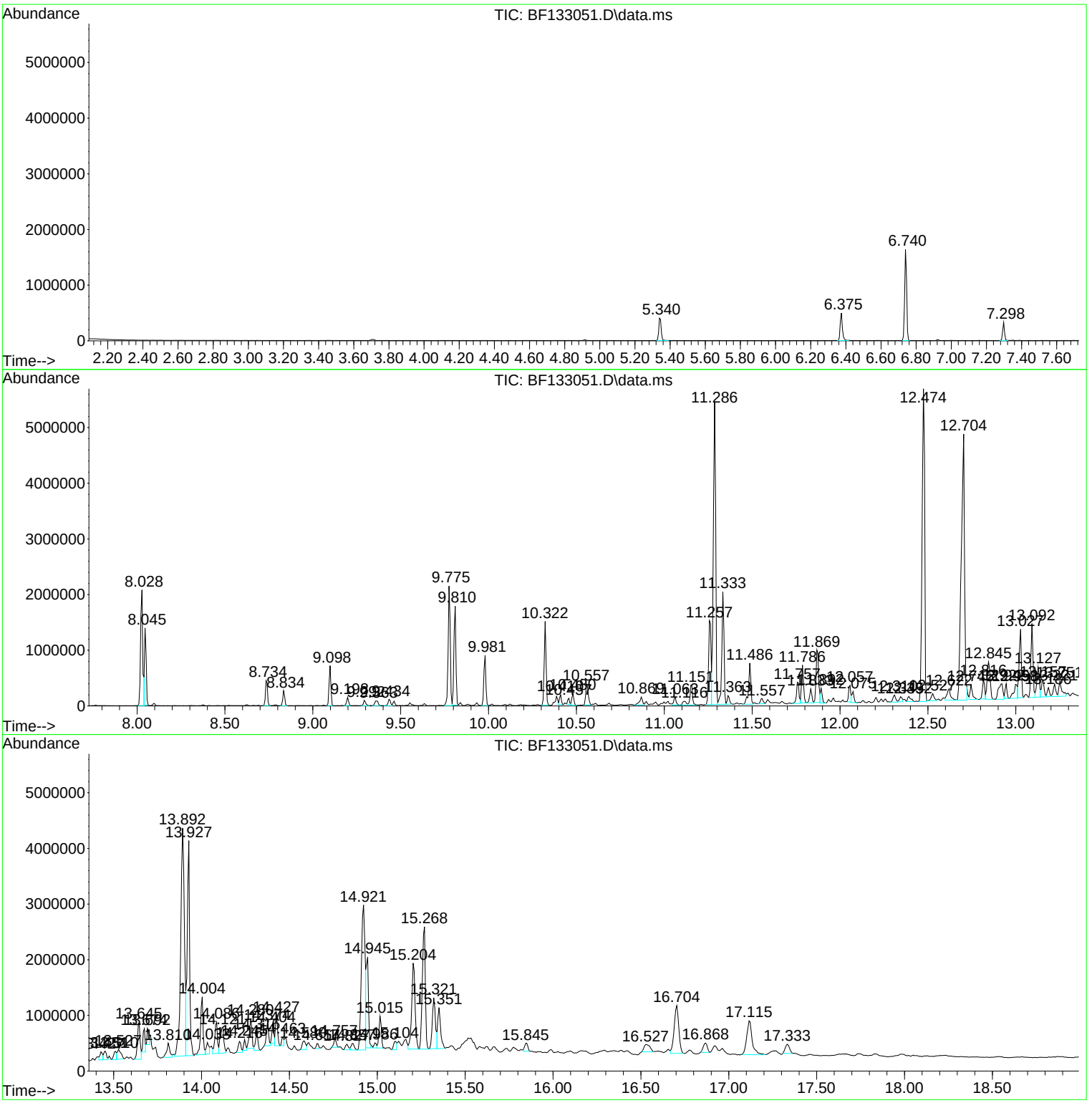
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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 : BF133051.D
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Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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

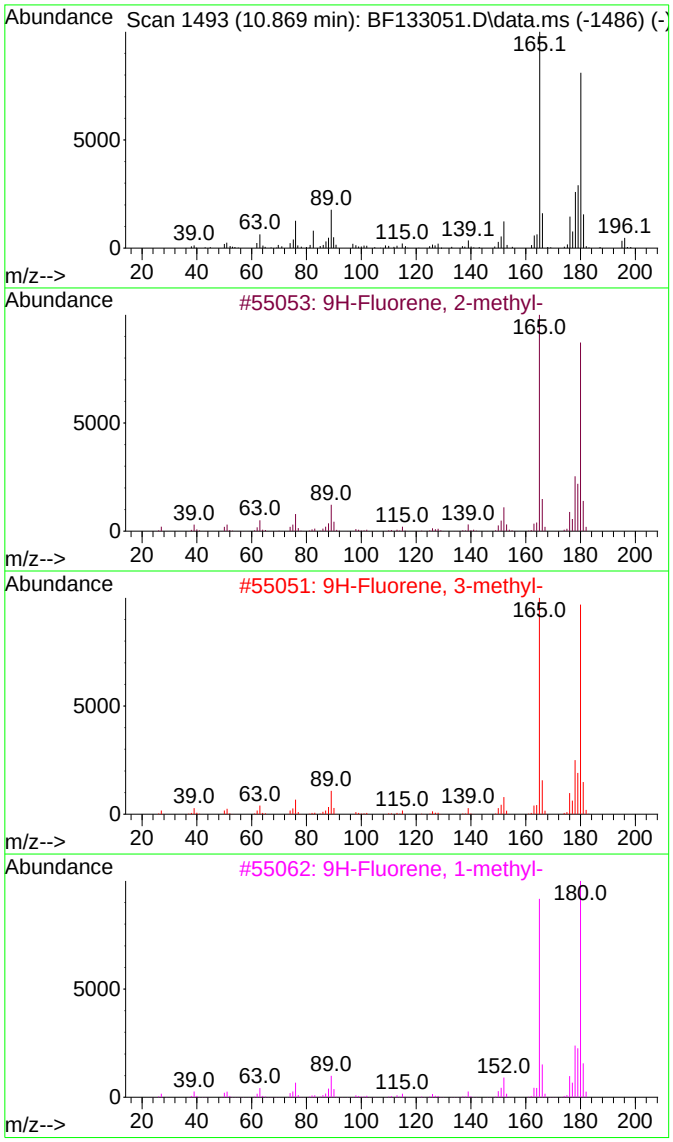
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

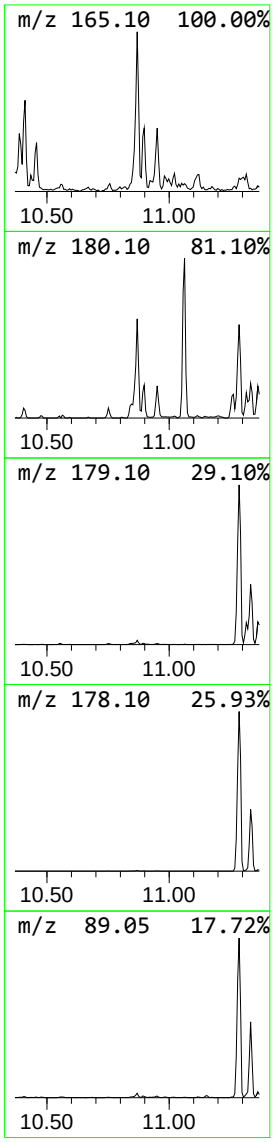
****

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.869	2.23 ng	168711	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133051.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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

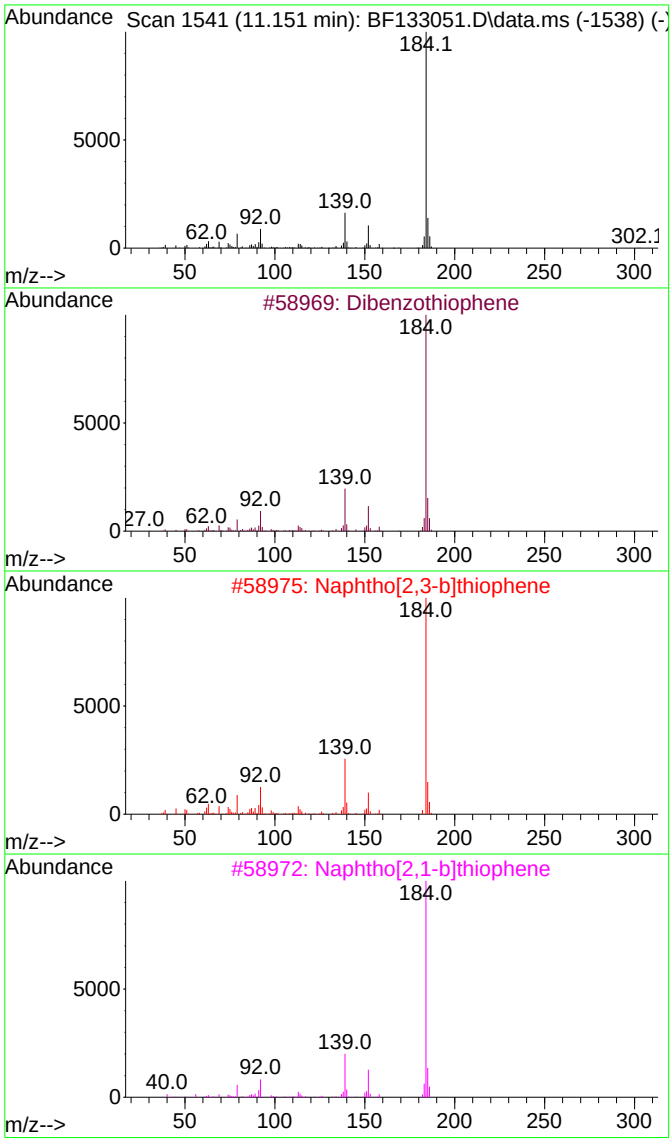
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

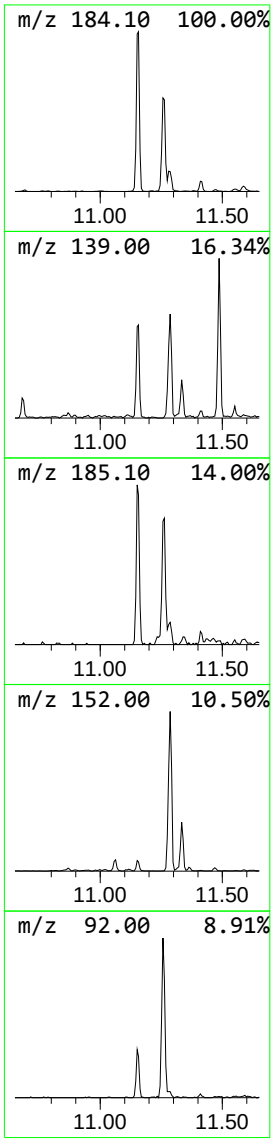
****

Peak Number 2 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.151	4.47 ng	337458	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
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	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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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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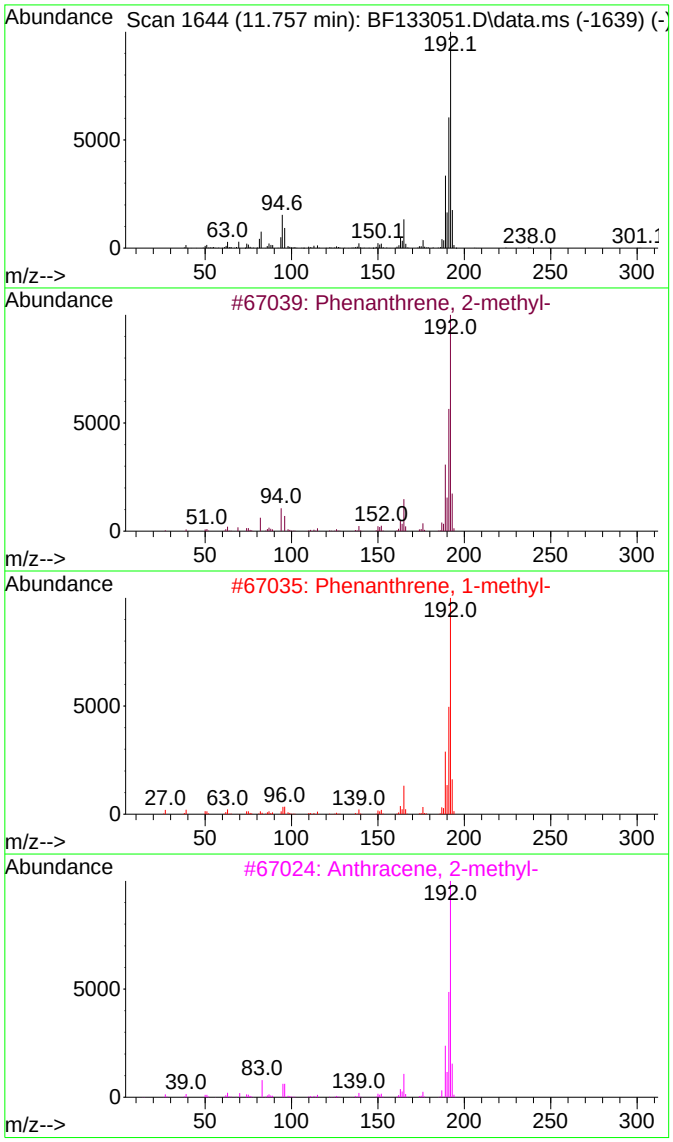
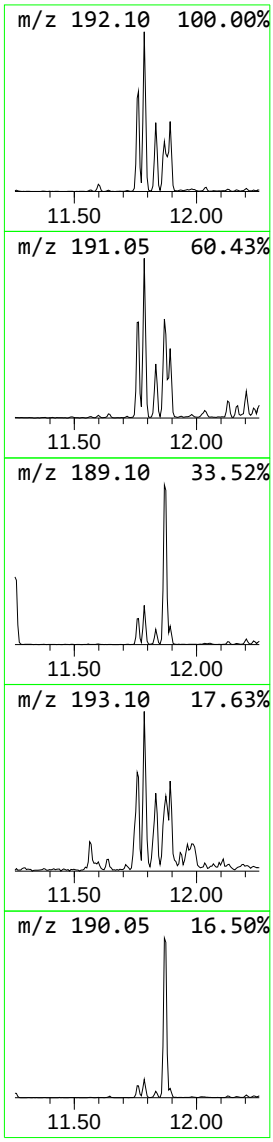
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.757	5.19 ng	391561	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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

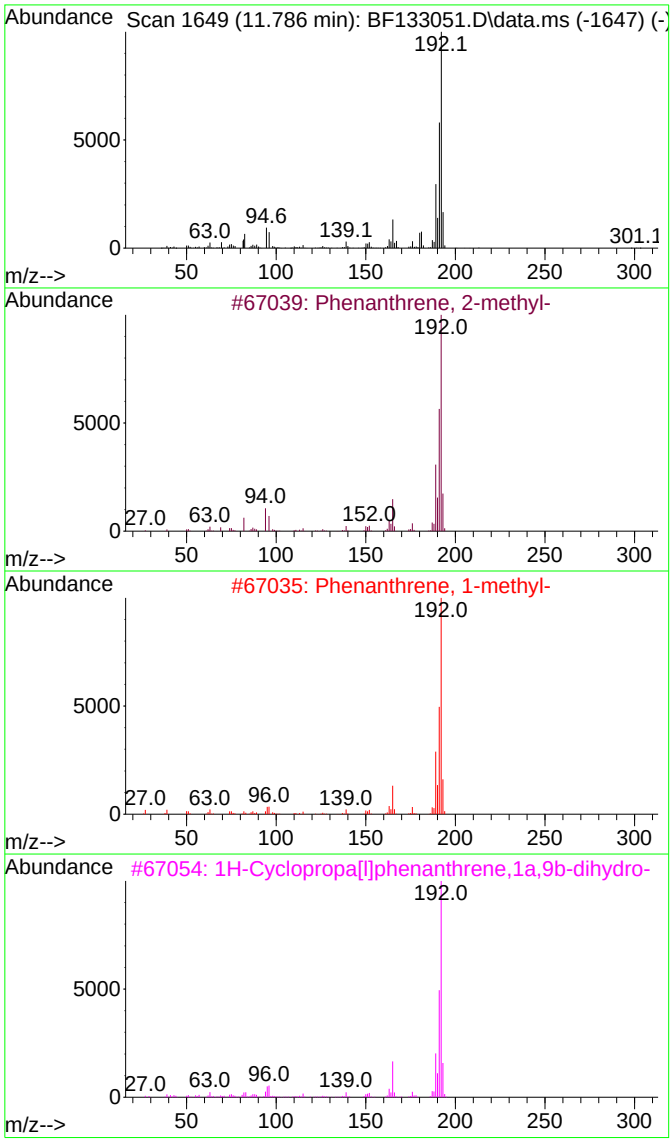
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

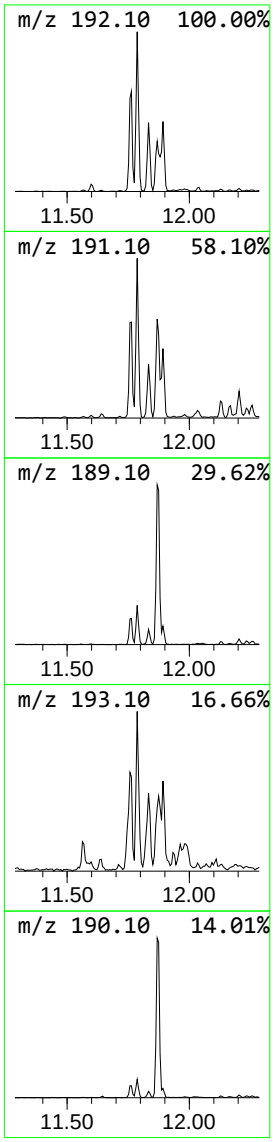
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	6.86 ng	518212	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	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

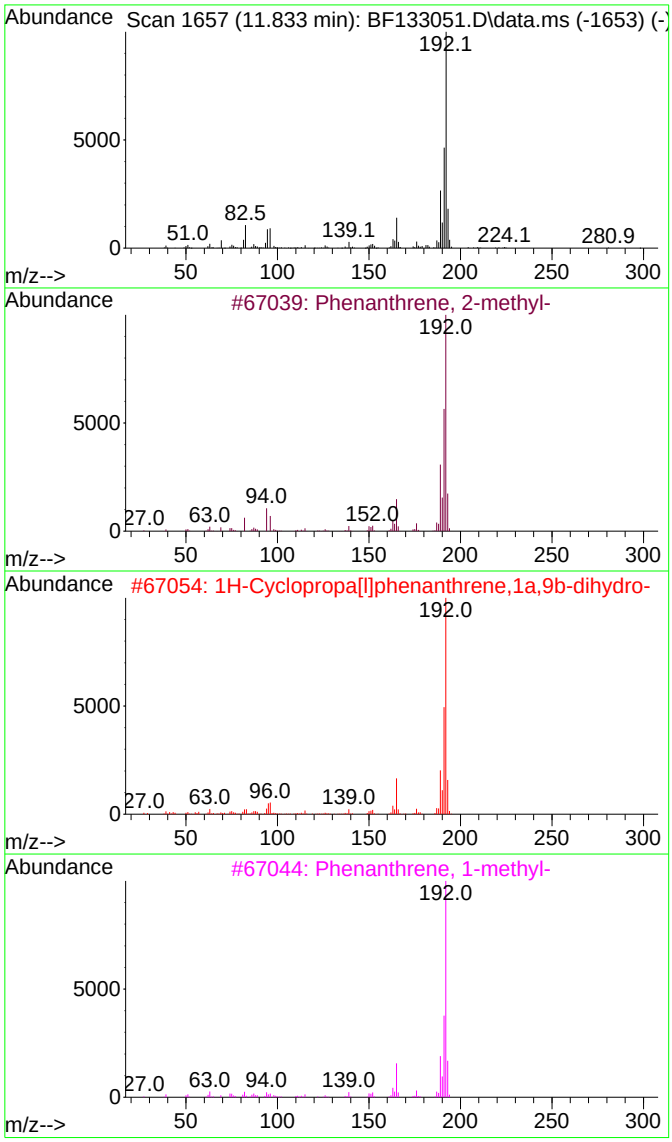
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

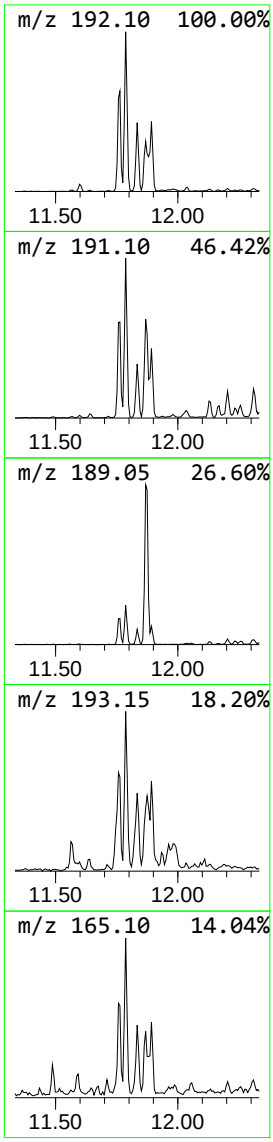
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	2.87 ng	216725	Phenanthrene-d10	11.257

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-24-5-7-20230411

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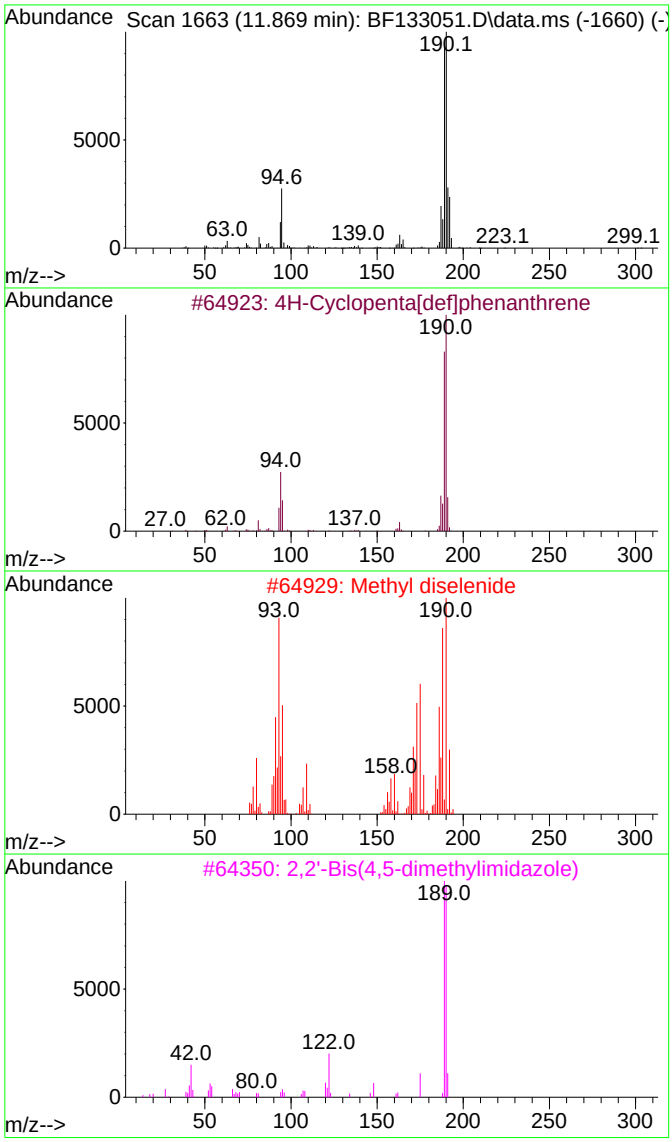
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

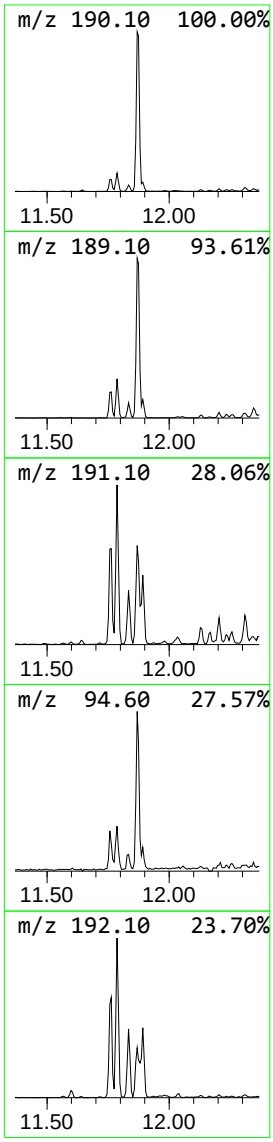
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	12.55 ng	947811	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	12
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	10





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Misc :
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Instrument :
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ClientSampleId :
SB-24-5-7-20230411

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

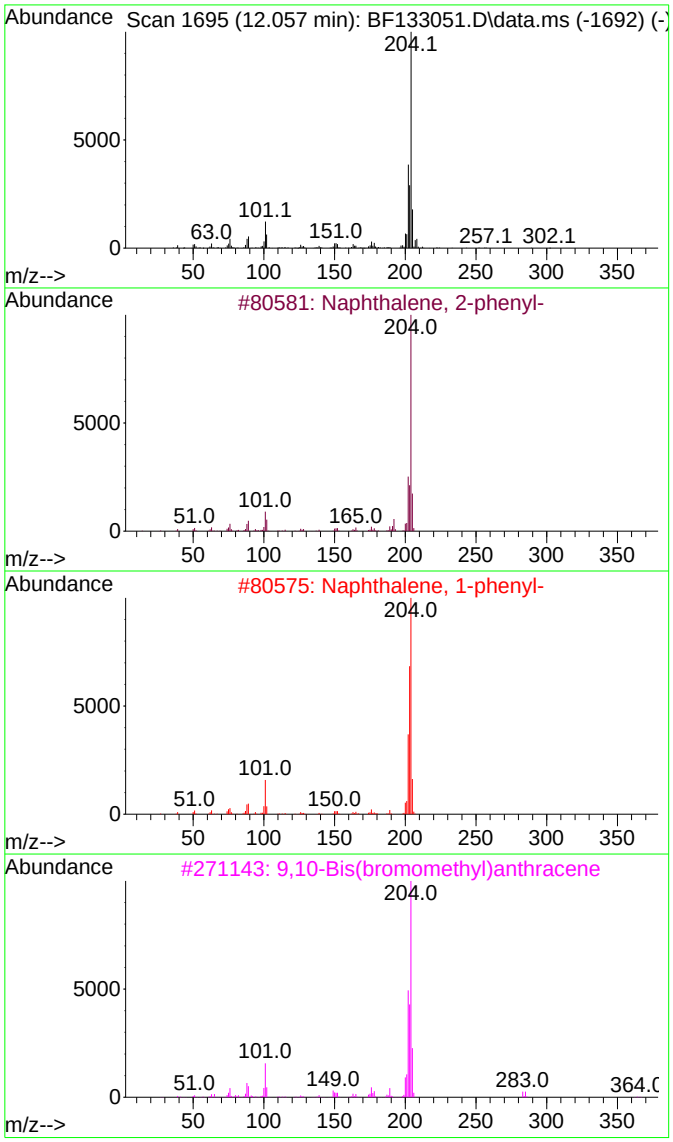
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

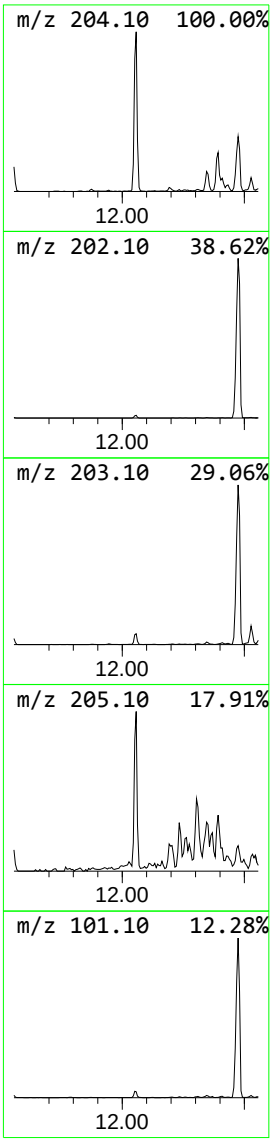
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	3.35 ng	253179	Phenanthrene-d10	11.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	50





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

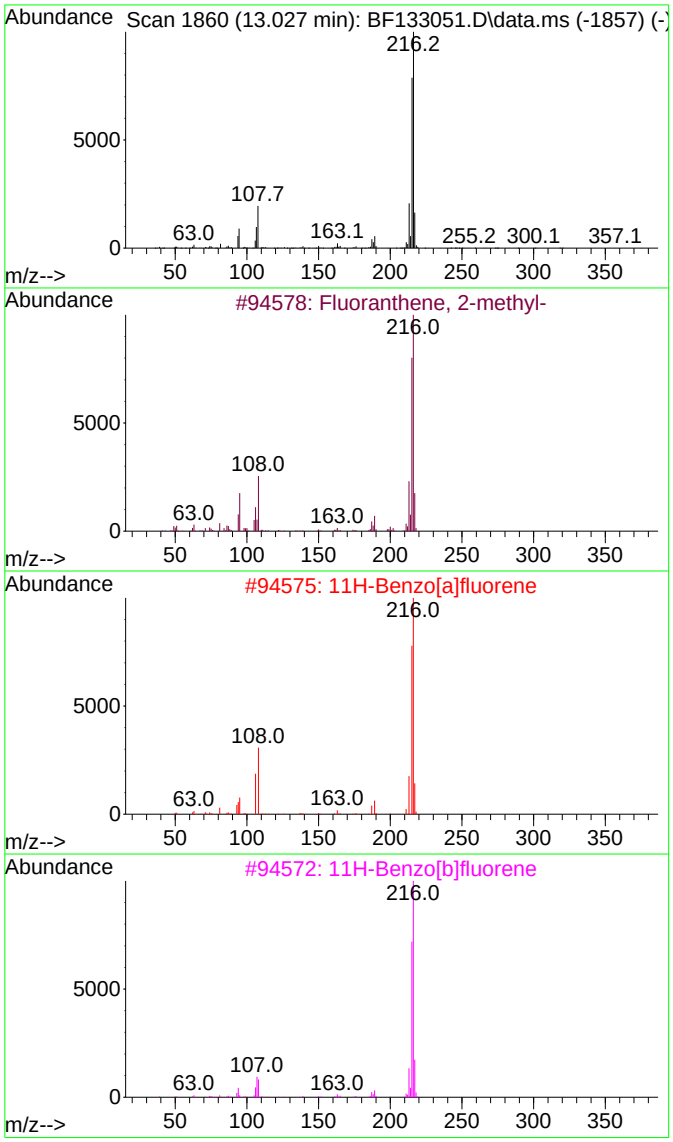
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

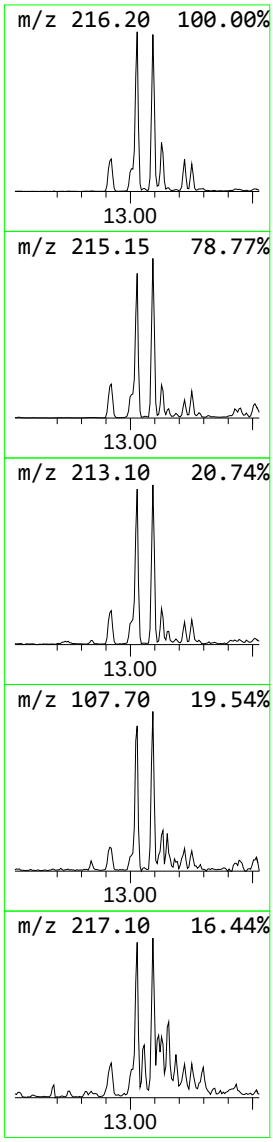
****

Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.027	3.41 ng	1042480	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-24-5-7-20230411

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

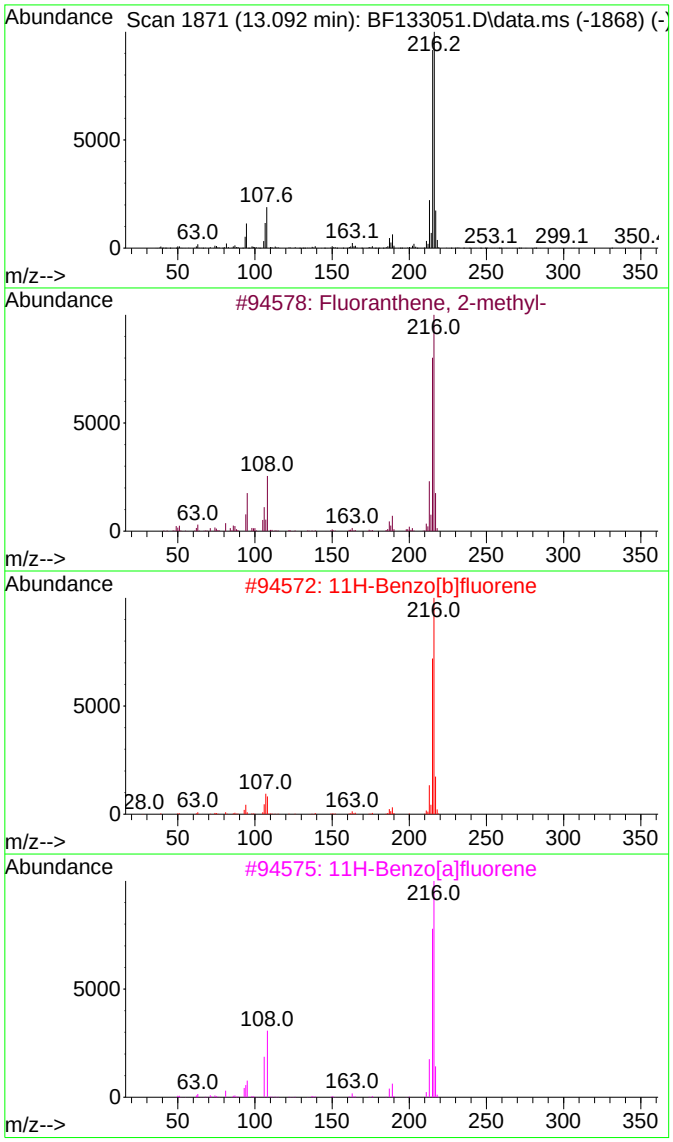
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

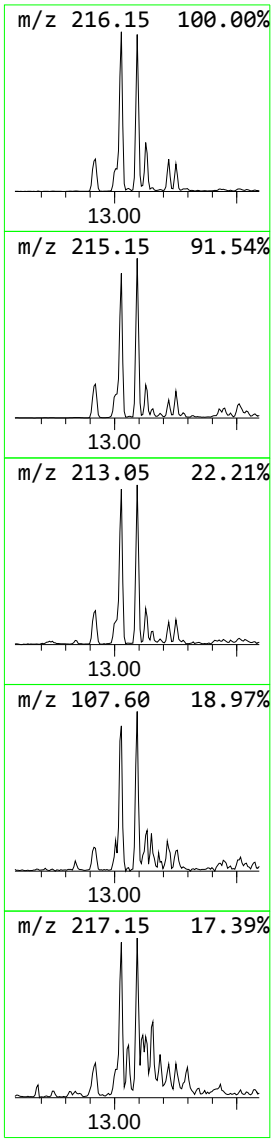
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	3.61 ng	1103320	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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SB-24-5-7-20230411

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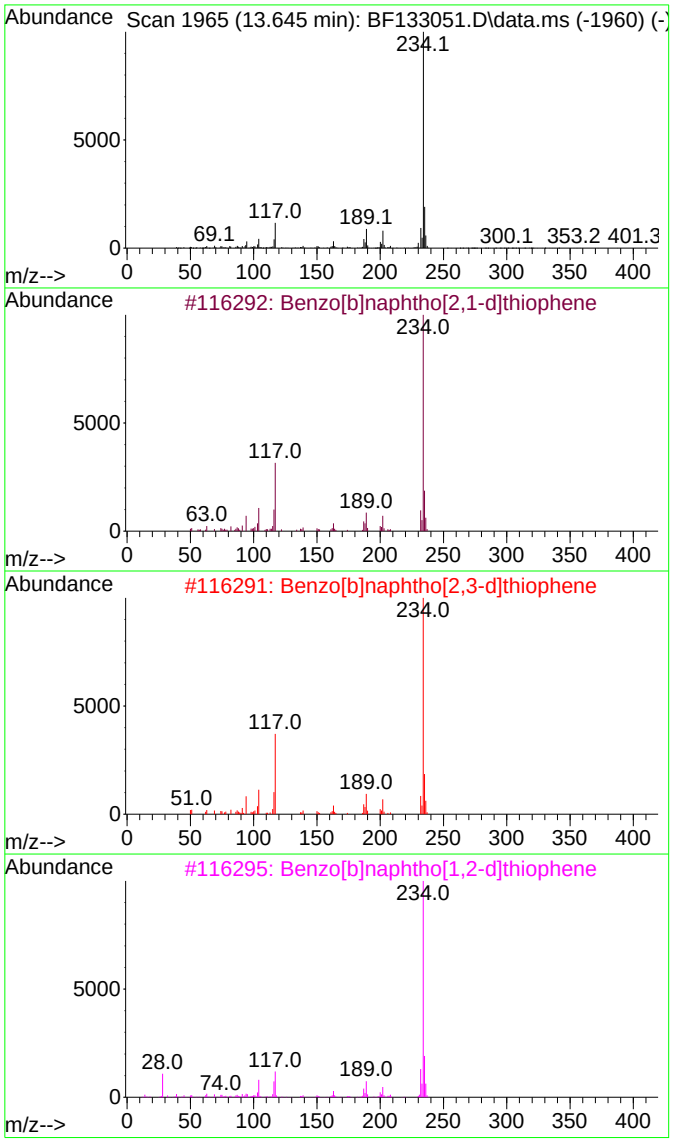
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

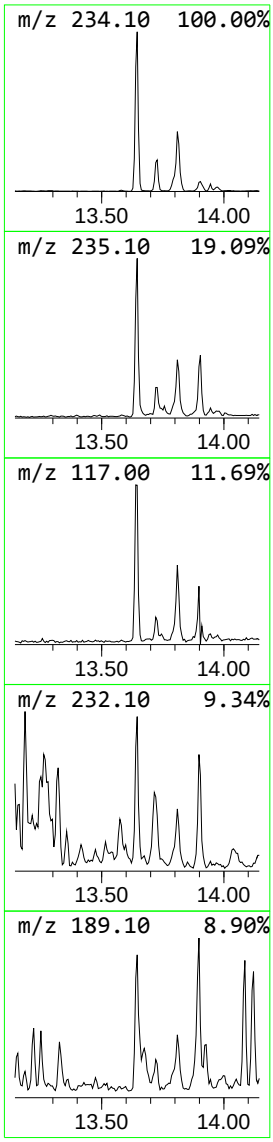
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.645	2.33 ng	712354	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	95
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	80





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Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-24-5-7-20230411

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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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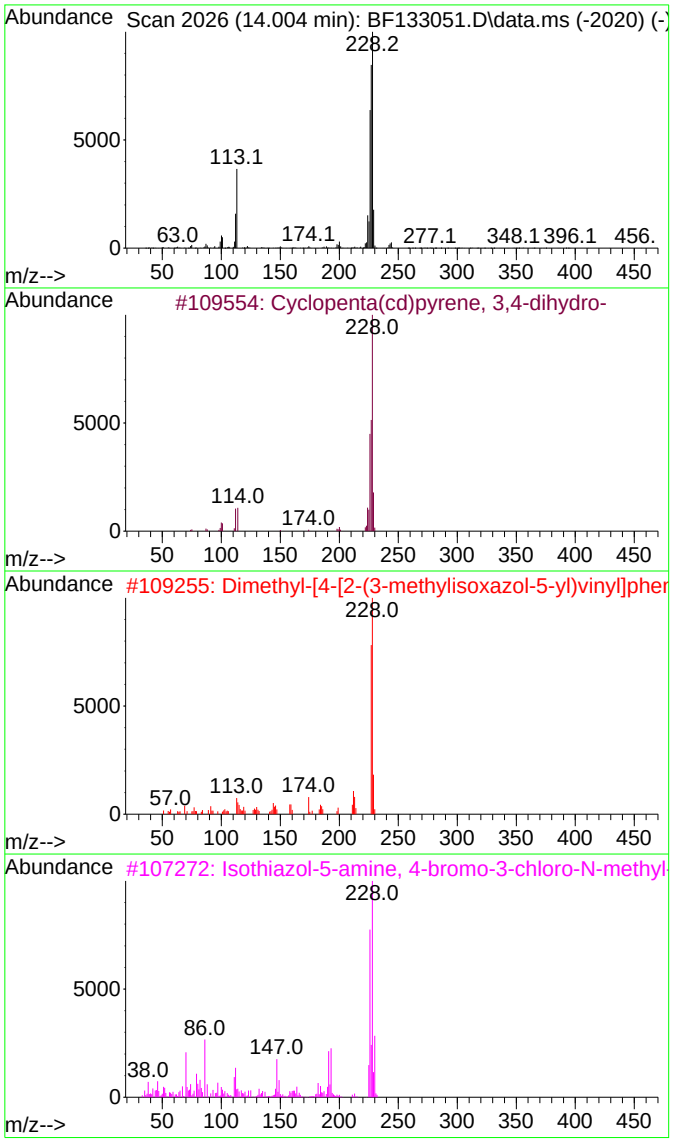
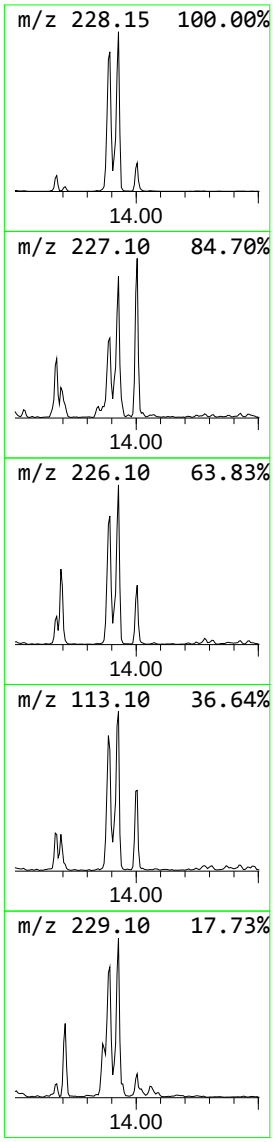
Peak Number 11 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.004	3.34 ng	1021350	Chrysene-d12	13.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50





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Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-24-5-7-20230411

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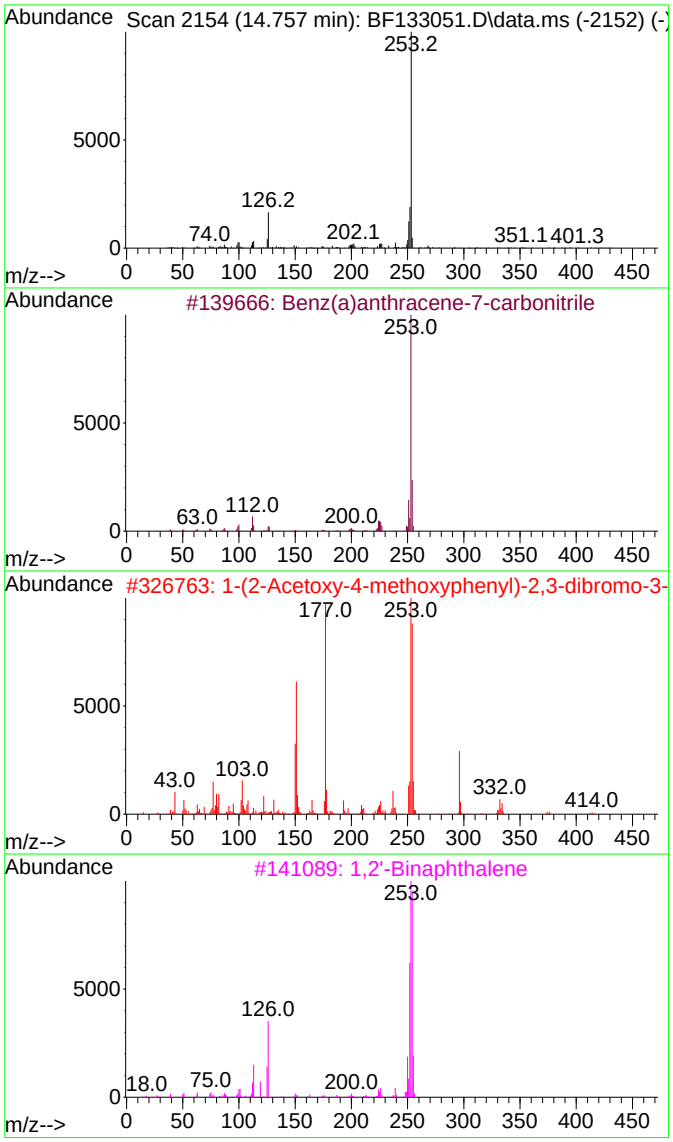
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

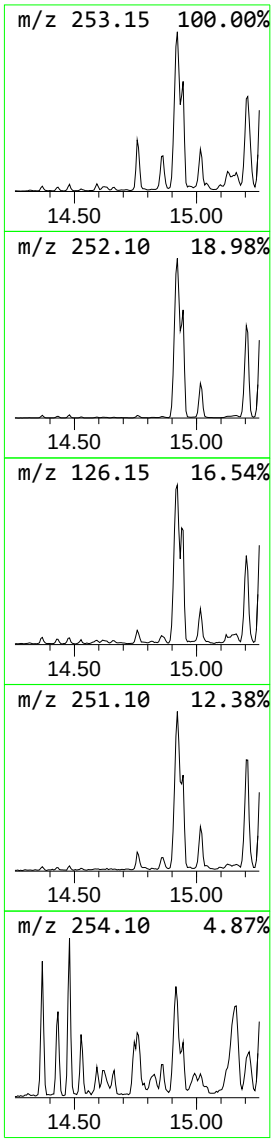
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benz(a)anthracene-7-carboni... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.757	2.40 ng	140152	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53
2	1-(2-Acetoxy-4-methoxyphenyl)-2,...	454	C18H16Br2O4	1000243-60-3	38
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	17
4	N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	9
5	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	9





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Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-24-5-7-20230411

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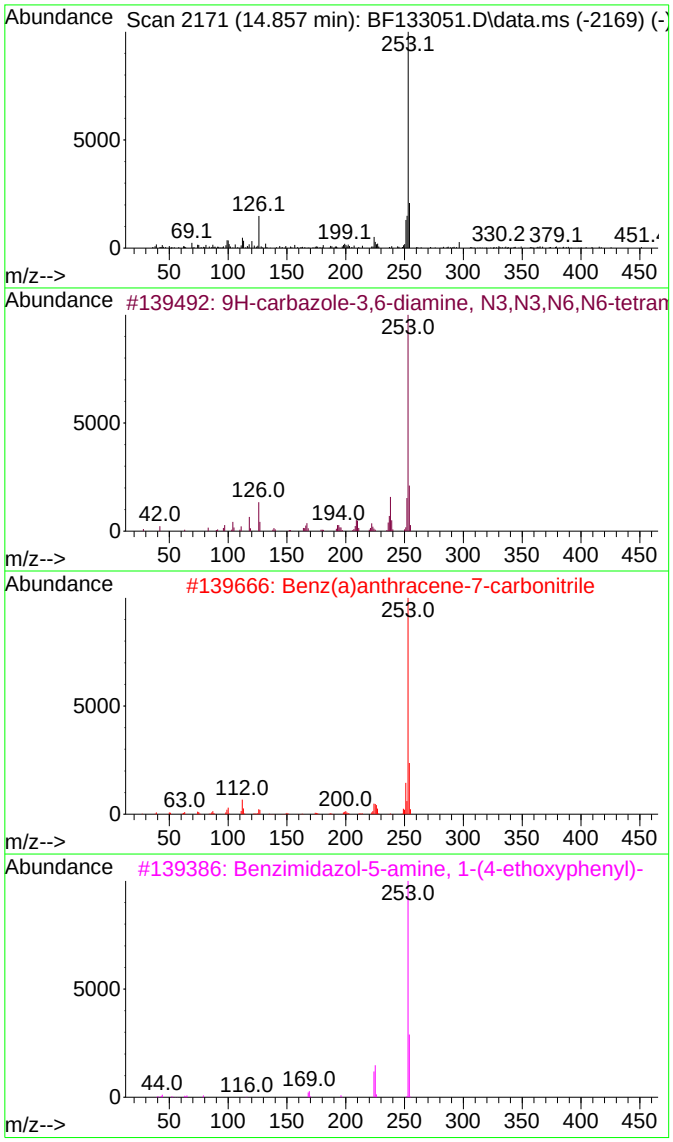
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

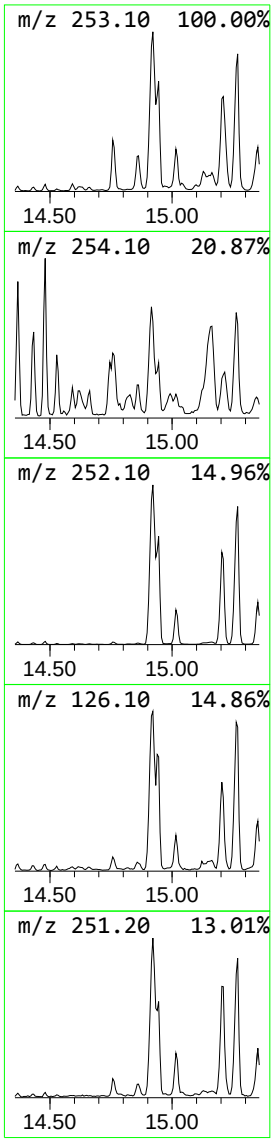
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9H-carbazole-3,6-diamine, N... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.857	2.41 ng	140483	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	80
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
3	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	50
4	3-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-4	42
5	Phthalic acid, 3,4-dimethylpheny...	374	C24H22O4	1000315-70-6	40





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-24-5-7-20230411

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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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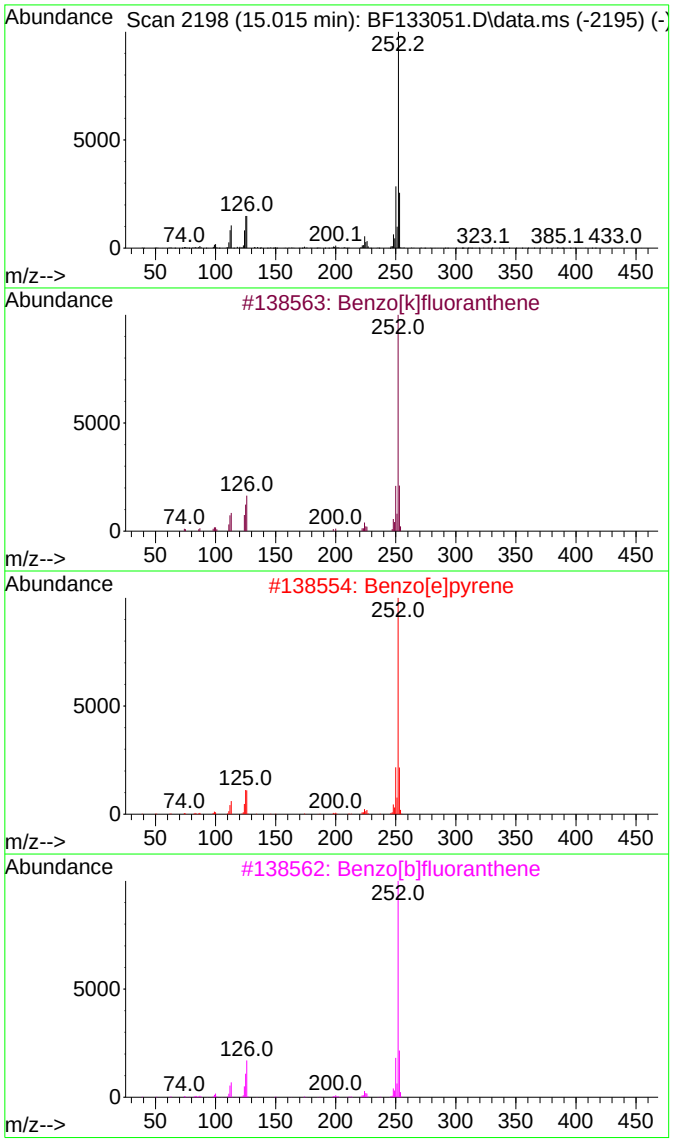
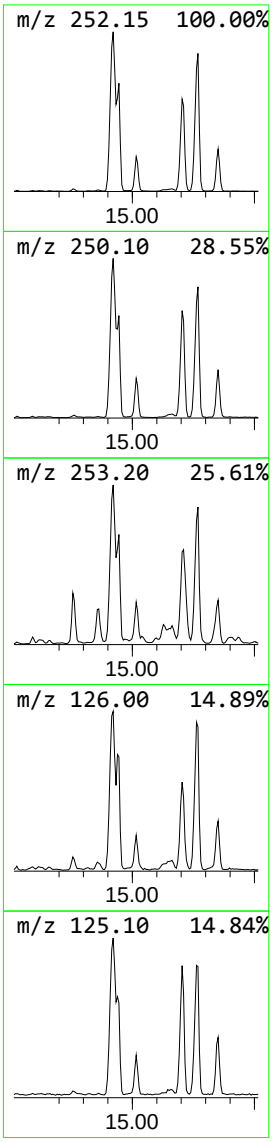
Peak Number 14 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.015	9.24 ng	539021	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	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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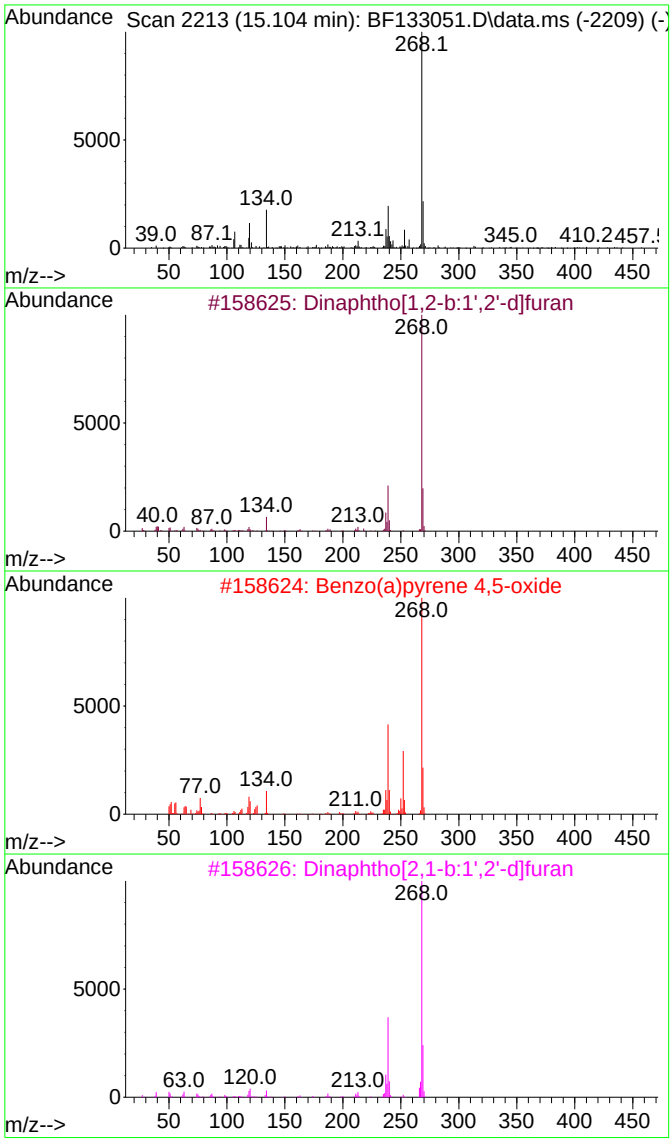
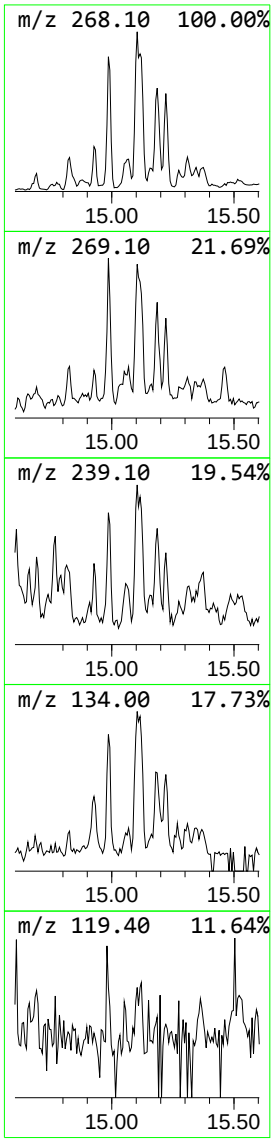
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	3.13 ng	182641	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	97
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	91
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	64
5	Disperse Blue 1	268	C14H12N4O2	002475-45-8	59





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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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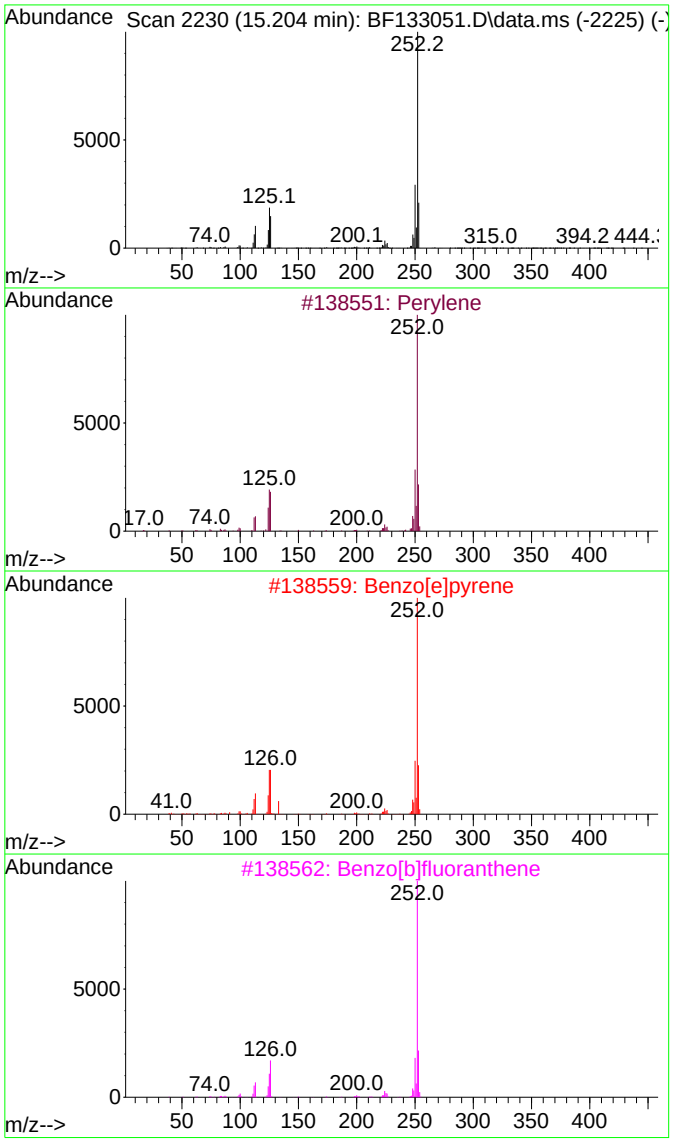
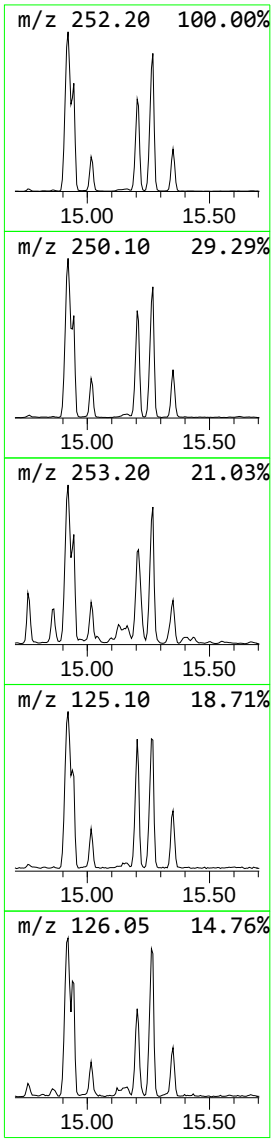
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	35.12 ng	2048770	Perylene-d12	15.321

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[b]fluoranthene	252	C20H12	000205-99-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





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Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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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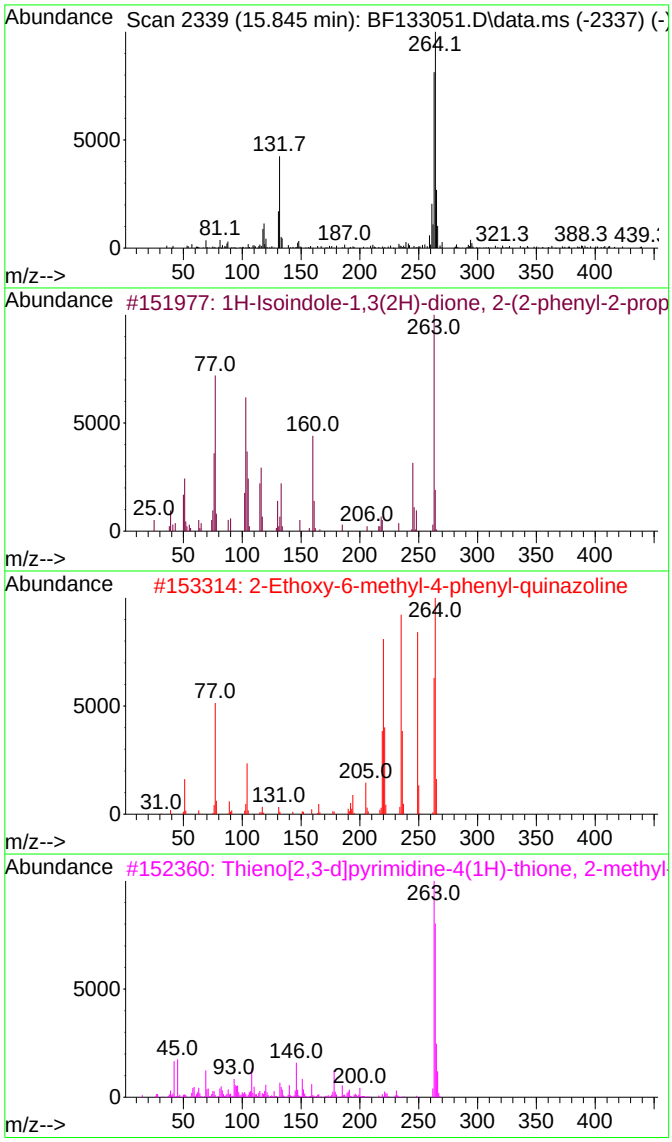
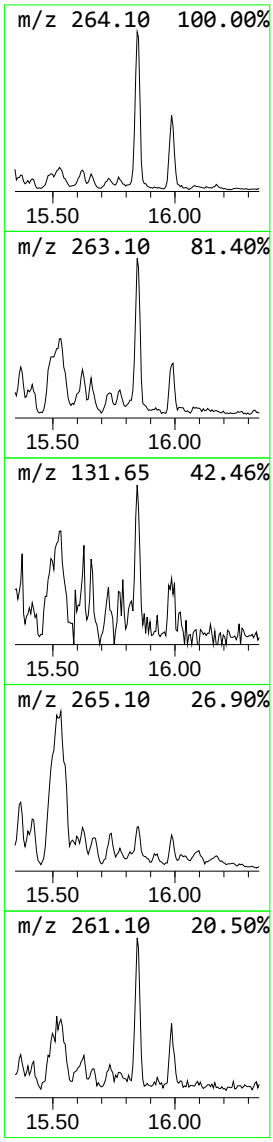
Peak Number 17 unknown15.845 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.845	3.04 ng	177133	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Isoindole-1,3(2H)-dione, 2-(2...	263	C17H13NO2	016307-59-8	37
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	35
3	Thieno[2,3-d]pyrimidine-4(1H)-th...	264	C11H8N2S3	732292-19-2	23
4	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	22
5	2-Fluorobenzylamine, N,N-dinonyl	377	C25H44FN	1000310-31-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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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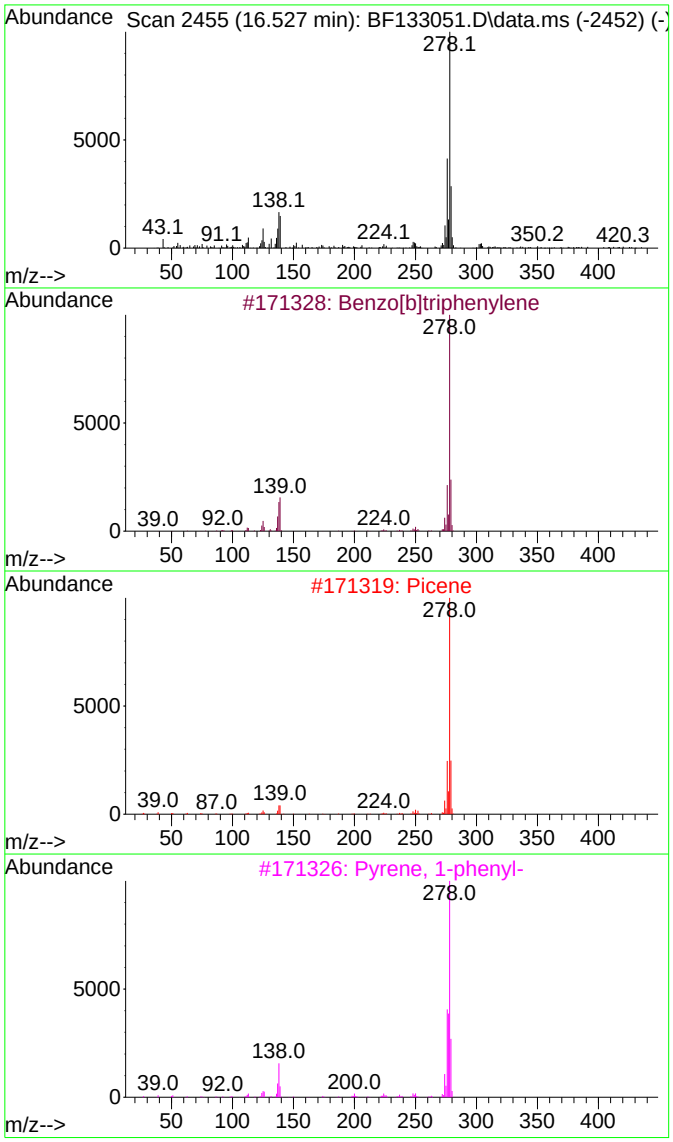
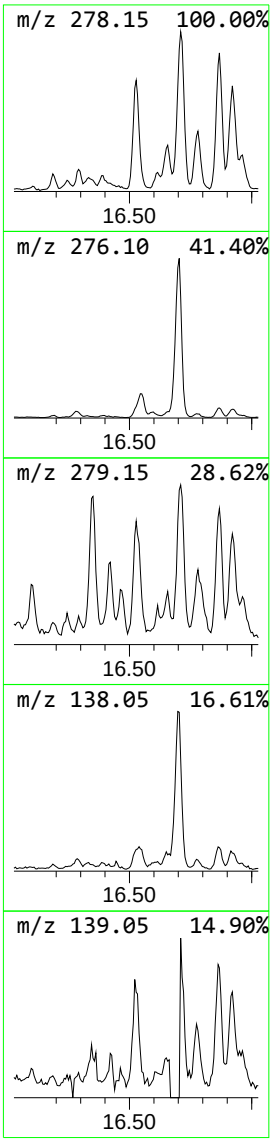
Peak Number 18 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.527	5.27 ng	307650	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	Picene	278	C22H14	000213-46-7	89
3	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	83
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
5	Pentaphene	278	C22H14	000222-93-5	70





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Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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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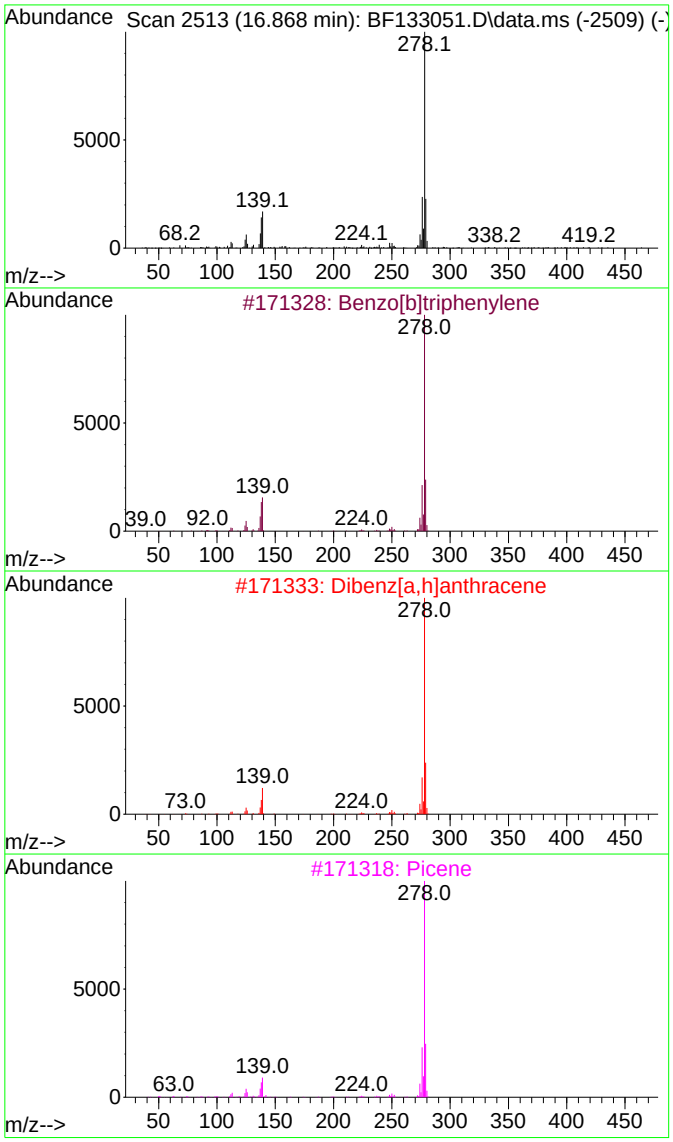
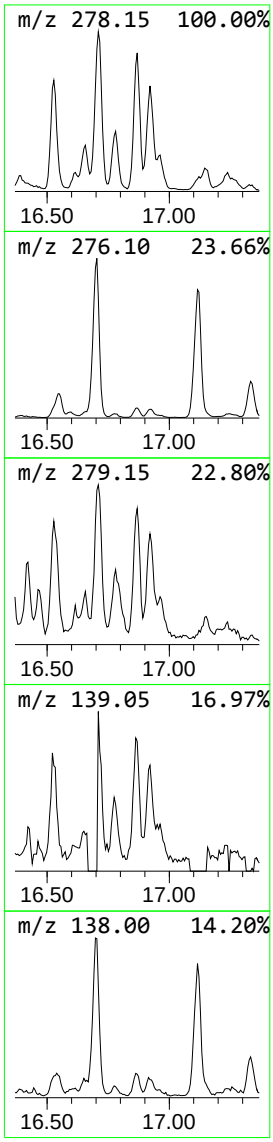
Peak Number 19 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.868	4.57 ng	266751	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Picene	278	C22H14	000213-46-7	95
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	94
5	Benzo[b]chrysene	278	C22H14	000214-17-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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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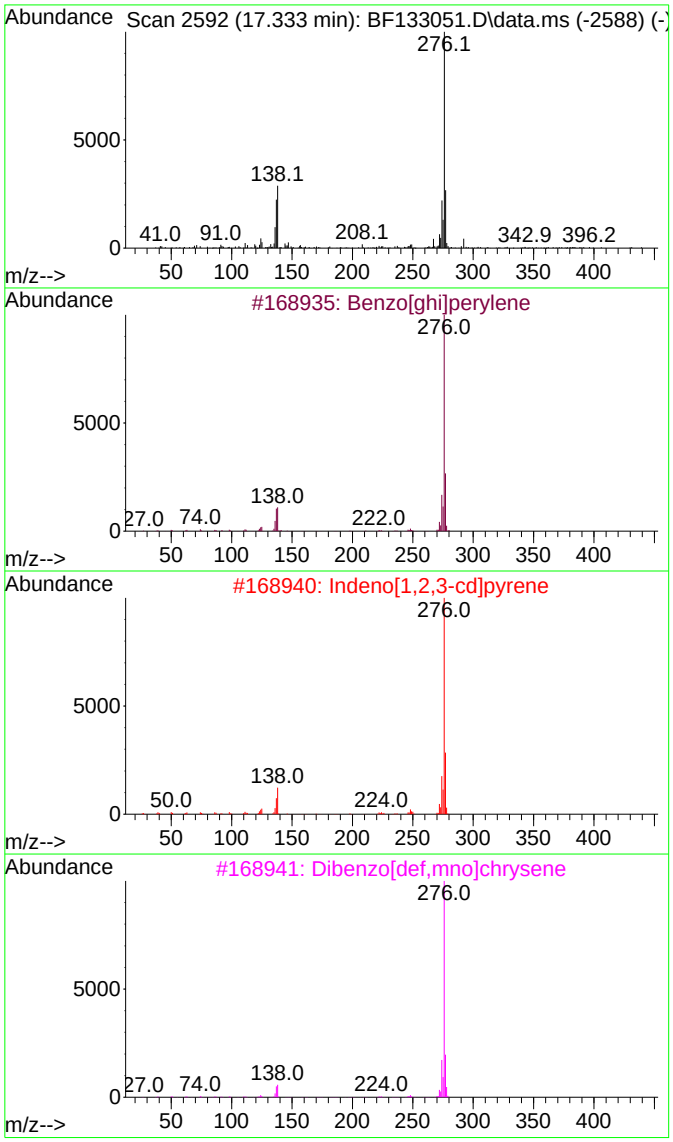
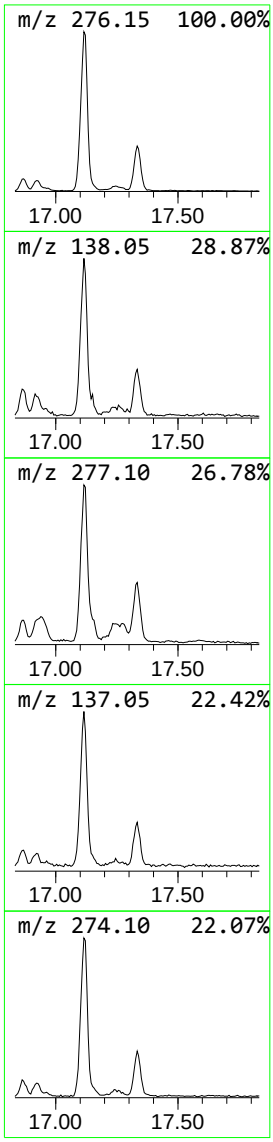
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.333	4.70 ng	274153	Perylene-d12	15.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	92
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
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 : BF133051.D
Acq On : 26 Apr 2023 03:37
Operator : CG\JU
Sample : 02270-14 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

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
9H-Fluorene, 2-...	10.869	2.2	ng	168711	4	11.257	1510030	20.0
Dibenzothiophene	11.151	4.5	ng	337458	4	11.257	1510030	20.0
Phenanthrene, 2...	11.757	5.2	ng	391561	4	11.257	1510030	20.0
Phenanthrene, 1...	11.786	6.9	ng	518212	4	11.257	1510030	20.0
1H-Cyclopropa[l...	11.833	2.9	ng	216725	4	11.257	1510030	20.0
4H-Cyclopenta[d...	11.869	12.6	ng	947811	4	11.257	1510030	20.0
Naphthalene, 2-...	12.057	3.4	ng	253179	4	11.257	1510030	20.0
Fluoranthene, 2...	13.027	3.4	ng	1042480	5	13.898	6109130	20.0
11H-Benzo[b]flu...	13.092	3.6	ng	1103320	5	13.898	6109130	20.0
Benzo[b]naphtho...	13.645	2.3	ng	712354	5	13.898	6109130	20.0
Cyclopenta(cd)p...	14.004	3.3	ng	1021350	5	13.898	6109130	20.0
Benz(a)anthrace...	14.757	2.4	ng	140152	6	15.321	1166730	20.0
9H-carbazole-3,...	14.857	2.4	ng	140483	6	15.321	1166730	20.0
Benzo[e]pyrene	15.015	9.2	ng	539021	6	15.321	1166730	20.0
Dinaphtho[1,2-b...	15.104	3.1	ng	182641	6	15.321	1166730	20.0
Perylene	15.204	35.1	ng	2048770	6	15.321	1166730	20.0
unknown15.845	15.845	3.0	ng	177133	6	15.321	1166730	20.0
Benzo[b]triphen...	16.527	5.3	ng	307650	6	15.321	1166730	20.0
Picene	16.868	4.6	ng	266751	6	15.321	1166730	20.0
Dibenzo[def,mno...	17.333	4.7	ng	274153	6	15.321	1166730	20.0