LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133220.D
Acq On : 03 May 2023 21:54
Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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: BF133220.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.328	547	551	564	rBV	891742	801133	10.61%	0.757%
2	6.357	723	726	737	rBV	1051072	848253	11.23%	0.802%
3	6.728	785	789	792	rBV	1667060	1267549	16.79%	1.198%
4	7.287	881	884	887	rBV	749106	538578	7.13%	0.509%
5	8.010	1004	1007	1010	rBV	2183892	1876706	24.85%	1.773%
6	8.034	1010	1011	1014	rVB	447061	218002	2.89%	0.206%
7	8.722	1125	1128	1132	rBV	777806	622930	8.25%	0.589%
8	8.822	1139	1145	1148	rBV	689866	517892	6.86%	0.489%
9	9.086	1186	1190	1193	rBV	1357781	1030045	13.64%	0.973%
10	9.345	1230	1234	1239	rBV	427515	572151	7.58%	0.541%
11	9.422	1243	1247	1250	rVV	628180	618284	8.19%	0.584%
12	9.451	1250	1252	1255	rVB	478582	343560	4.55%	0.325%
13	9.539	1264	1267	1272	rVB	338053	326628	4.33%	0.309%
14	9.622	1278	1281	1285	rVB	854656	659634	8.74%	0.623%
15	9.763	1299	1305	1308	rBV	2287393	1988349	26.33%	1.879%
16	9.798	1308	1311	1314	rVB	1517949	1283282	16.99%	1.213%
17	9.969	1336	1340	1343	rVB	1469882	1173969	15.55%	1.109%
18	10.010	1343	1347	1350	rBV	250622	217184	2.88%	0.205%
19	10.081	1354	1359	1362	rBV2	232625	251741	3.33%	0.238%
20	10.310	1395	1398	1404	rVB	2711958	2285306	30.26%	2.159%
21	10.375	1408	1409	1411	rVV	288774	219964	2.91%	0.208%
22	10.398	1411	1413	1415	rVV	377511	312038	4.13%	0.295%
23	10.469	1422	1425	1431	rVV2	671403	627413	8.31%	0.593%
24	10.551	1433	1439	1443	rVV2	934990	1110316	14.70%	1.049%
25	10.675	1455	1460	1467	rVB2	219273	354110	4.69%	0.335%
26	10.857	1484	1491	1494	rBV2	623496	731686	9.69%	0.691%
27	10.886	1494	1496	1499	rVV	313070	286040	3.79%	0.270%
28	10.939	1502	1505	1508	rVV2	301466	289379	3.83%	0.273%
29	10.986	1508	1513	1515	rVV3	285858	366057	4.85%	0.346%
30	11.010	1515	1517	1522	rVV	337868	385133	5.10%	0.364%
31	11.098	1528	1532	1535	rVV	338426	386445	5.12%	0.365%
32	11.139	1535	1539	1546	rVB	713015	791703	10.48%	0.748%
33	11.251	1554	1558	1559	rBV	1504220	1533030	20.30%	1.449%
34	11.280	1559	1563	1566	rVV	6534158	6780446	89.79%	6.407%
35	11.327	1566	1571	1573	rVV	3422389	2932578	38.83%	2.771%
36	11.357	1573	1576	1579	rVV2	317843	348209	4.61%	0.329%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
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Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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	11.475	1594	1596	1599	rVV	643004	504340	6.68%	0.477%
38	11.545	1605	1608	1611	rVV3	261703	254072	3.36%	0.240%
39	11.575	1611	1613	1619	rVB2	261761	287557	3.81%	0.272%
40	11.751	1637	1643	1645	rBV	1333791	1306698	17.30%	1.235%
41	11.780	1645	1648	1652	rVV	1810541	1724049	22.83%	1.629%
42	11.822	1652	1655	1658	rVV	910260	875193	11.59%	0.827%
43	11.863	1658	1662	1664	rVV	2175132	2352187	31.15%	2.223%
44	11.880	1664	1665	1670	rVB	832823	662043	8.77%	0.626%
45	12.045	1690	1693	1695	rBV	800479	636178	8.42%	0.601%
46	12.192	1713	1718	1721	rBV	282684	310732	4.11%	0.294%
47	12.222	1721	1723	1725	rBV	315874	247707	3.28%	0.234%
48	12.245	1725	1727	1730	rVB	265621	223119	2.95%	0.211%
49	12.298	1730	1736	1739	rBV	723824	844630	11.18%	0.798%
50	12.333	1739	1742	1744	rBV	498308	498154	6.60%	0.471%
51	12.357	1744	1746	1748	rVB	311801	239825	3.18%	0.227%
52	12.386	1748	1751	1756	rVB3	372904	510995	6.77%	0.483%
53	12.469	1759	1765	1768	rBV	6333410	6624152	87.72%	6.259%
54	12.510	1768	1772	1777	rBV3	200535	339476	4.50%	0.321%
55	12.551	1777	1779	1781	rBV	440803	366757	4.86%	0.347%
56	12.610	1786	1789	1794	rVB3	267695	316871	4.20%	0.299%
57	12.692	1797	1803	1808	rBV2	5194499	7551510	100.00%	7.136%
58	12.733	1808	1810	1816	rVB2	419124	552115	7.31%	0.522%
59	12.804	1816	1822	1824	rBV	625472	594328	7.87%	0.562%
60	12.833	1824	1827	1834	rVB2	940193	1233386	16.33%	1.165%
61	12.910	1834	1840	1842	rBV3	708877	1092545	14.47%	1.032%
62	12.992	1851	1854	1855	rBV2	523506	501085	6.64%	0.473%
63	13.016	1855	1858	1861	rVB	2008587	1876967	24.86%	1.774%
64	13.080	1866	1869	1872	rBV	1724395	1645173	21.79%	1.555%
65	13.121	1872	1876	1878	rVV2	1037704	1066431	14.12%	1.008%
66	13.145	1878	1880	1883	rVB2	271383	259112	3.43%	0.245%
67	13.210	1888	1891	1894	rVB	514296	420203	5.56%	0.397%
68	13.239	1894	1896	1900	rBV2	548182	579604	7.68%	0.548%
69	13.416	1924	1926	1928	rVV	346712	369736	4.90%	0.349%
70	13.439	1928	1930	1933	rVV	351929	332855	4.41%	0.315%
71	13.498	1936	1940	1942	rVV2	383532	499106	6.61%	0.472%
72	13.521	1942	1944	1949	rVV3	407729	633472	8.39%	0.599%
73	13.633	1958	1963	1965	rVV	804683	899401	11.91%	0.850%
74	13.663	1965	1968	1970	rVV	813686	816390	10.81%	0.771%
75	13.686	1970	1972	1977	rVV2	609126	1012545	13.41%	0.957%
76	13.727	1977	1979	1984	rVB	404681	404694	5.36%	0.382%

LSC Area Percent Report

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Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-02-050223

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
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Peak separation: 5

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

77	13.798	1989	1991	1995	rVV	215864	245211	3.25%	0.232%
78	13.880	1998	2005	2008	rVV2	4200027	6213297	82.28%	5.871%
79	13.916	2008	2011	2016	rVV	3653382	3580868	47.42%	3.384%
80	13.992	2021	2024	2026	rVV	706126	629629	8.34%	0.595%
81	14.027	2027	2030	2035	rVV2	511409	776468	10.28%	0.734%
82	14.074	2035	2038	2040	rVV	505453	515455	6.83%	0.487%
83	14.110	2040	2044	2047	rVV2	436275	647947	8.58%	0.612%
84	14.233	2063	2065	2067	rBV	315327	281501	3.73%	0.266%
85	14.268	2067	2071	2074	rVV	992238	1154275	15.29%	1.091%
86	14.304	2074	2077	2080	rVV	576795	477360	6.32%	0.451%
87	14.363	2081	2087	2090	rVV2	611867	777961	10.30%	0.735%
88	14.392	2090	2092	2094	rVV	472464	466406	6.18%	0.441%
89	14.416	2094	2096	2099	rVB3	607193	524551	6.95%	0.496%
90	14.574	2120	2123	2125	rBV4	165885	216986	2.87%	0.205%
91	14.910	2174	2180	2182	rBV	2234153	3569199	47.26%	3.373%
92	15.004	2193	2196	2200	rVB	655237	640277	8.48%	0.605%
93	15.192	2223	2228	2233	rVB	1311462	1695063	22.45%	1.602%
94	15.251	2233	2238	2243	rBV	2116979	2502763	33.14%	2.365%
95	15.304	2243	2247	2250	rBV	798171	1036196	13.72%	0.979%
96	15.339	2250	2253	2259	rVB2	550006	780633	10.34%	0.738%
97	15.833	2334	2337	2342	rVB2	179519	224893	2.98%	0.213%
98	16.686	2476	2482	2489	rVB2	688243	1273134	16.86%	1.203%
99	17.098	2547	2552	2562	rVB	448783	867277	11.48%	0.820%
100	17.315	2585	2589	2603	rVB2	172643	367742	4.87%	0.347%

Sum of corrected areas: 105826208

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133220.D
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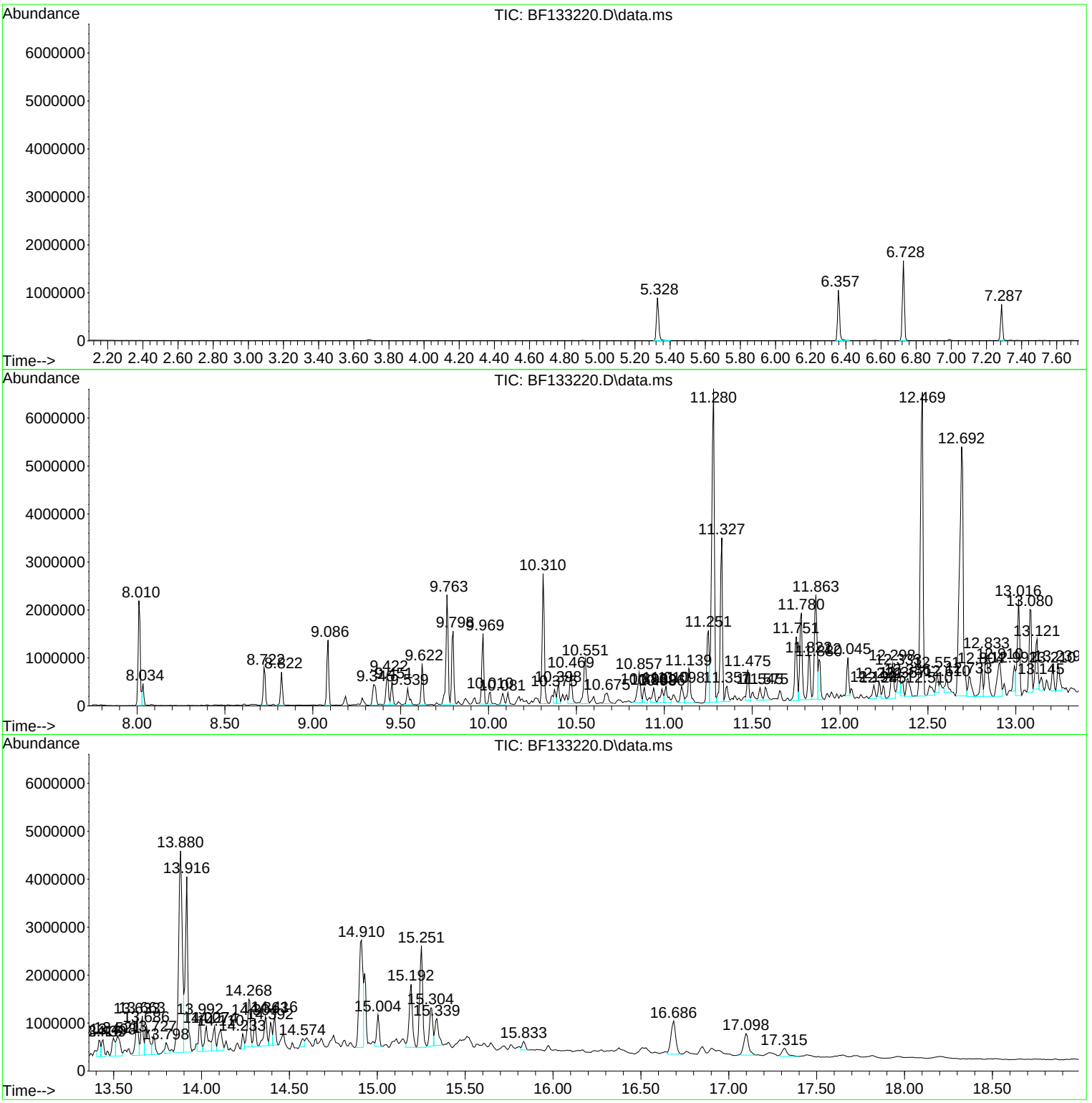
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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\BF050323\
Data File : BF133220.D
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BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

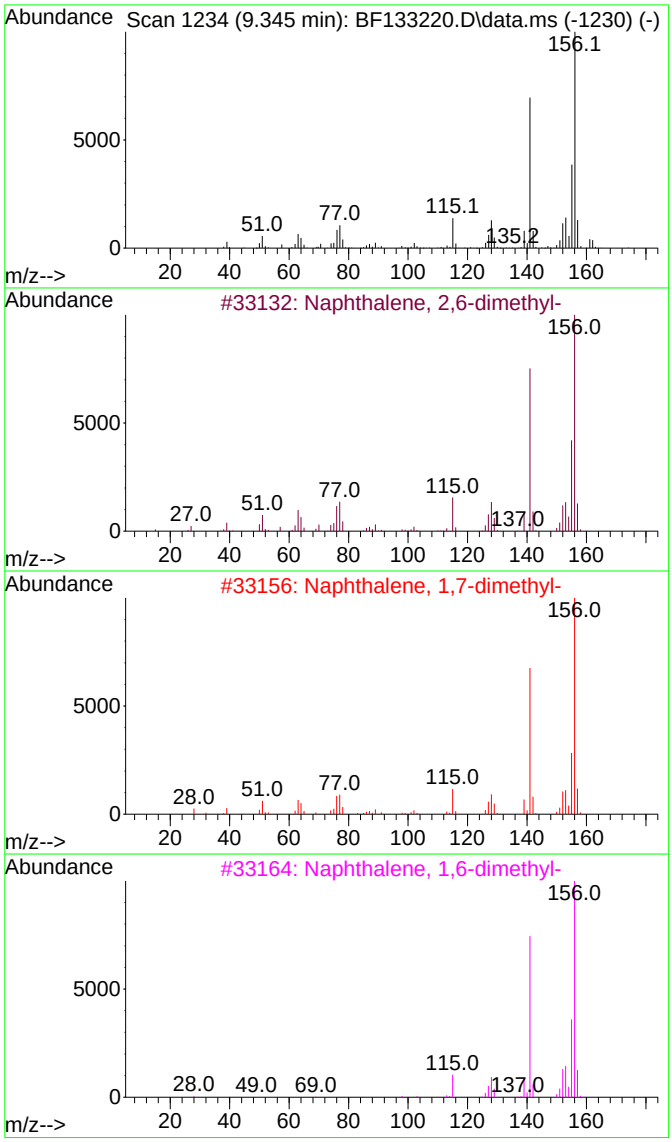
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

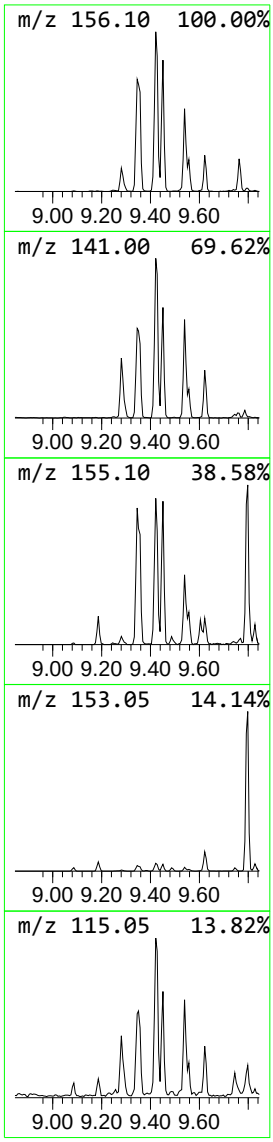
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.345	5.76 ng	572151	Acenaphthene-d10	9.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133220.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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

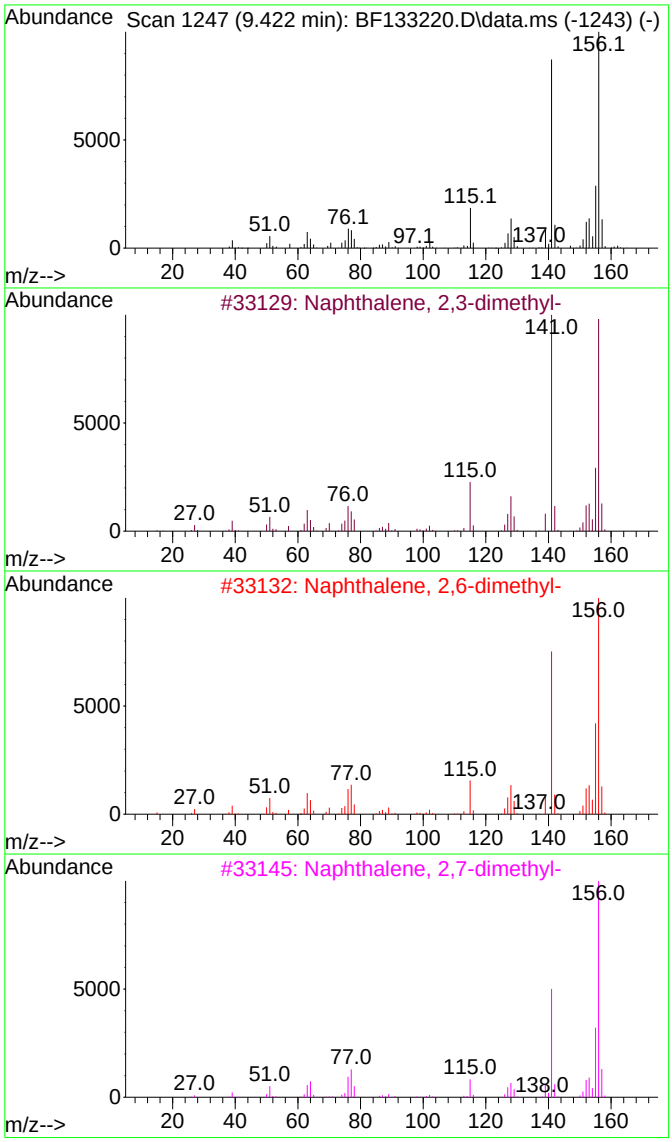
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

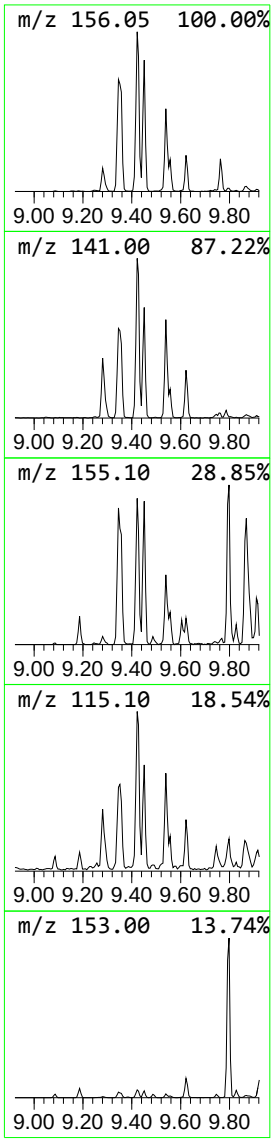
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.422	6.22 ng	618284	Acenaphthene-d10	9.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133220.D
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ALS Vial : 22 Sample Multiplier: 1

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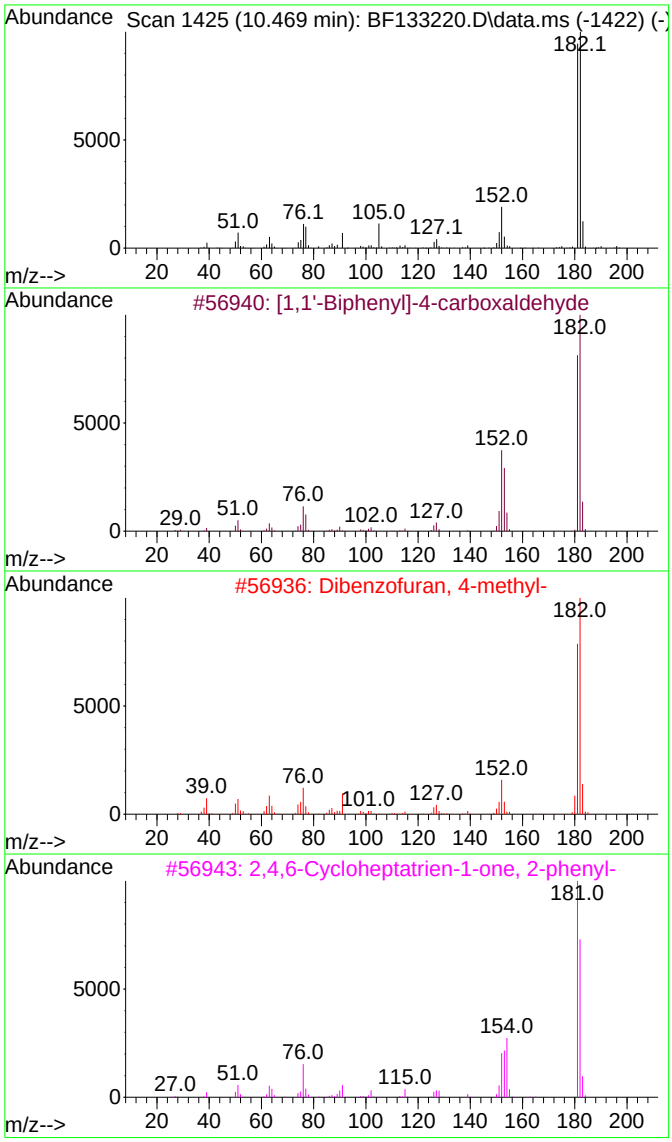
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

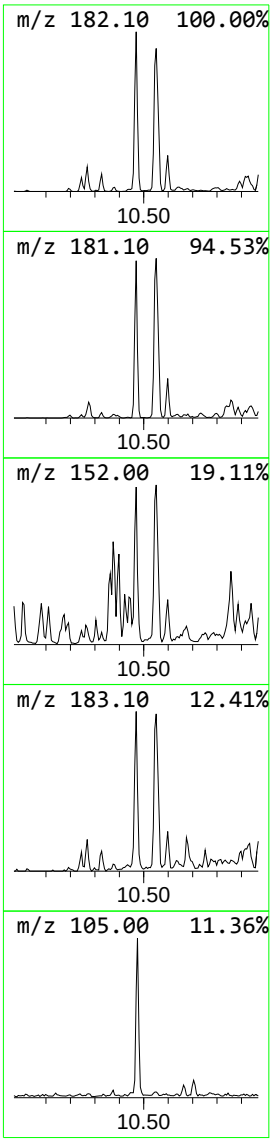
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	6.31 ng	627413	Acenaphthene-d10	9.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	74





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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

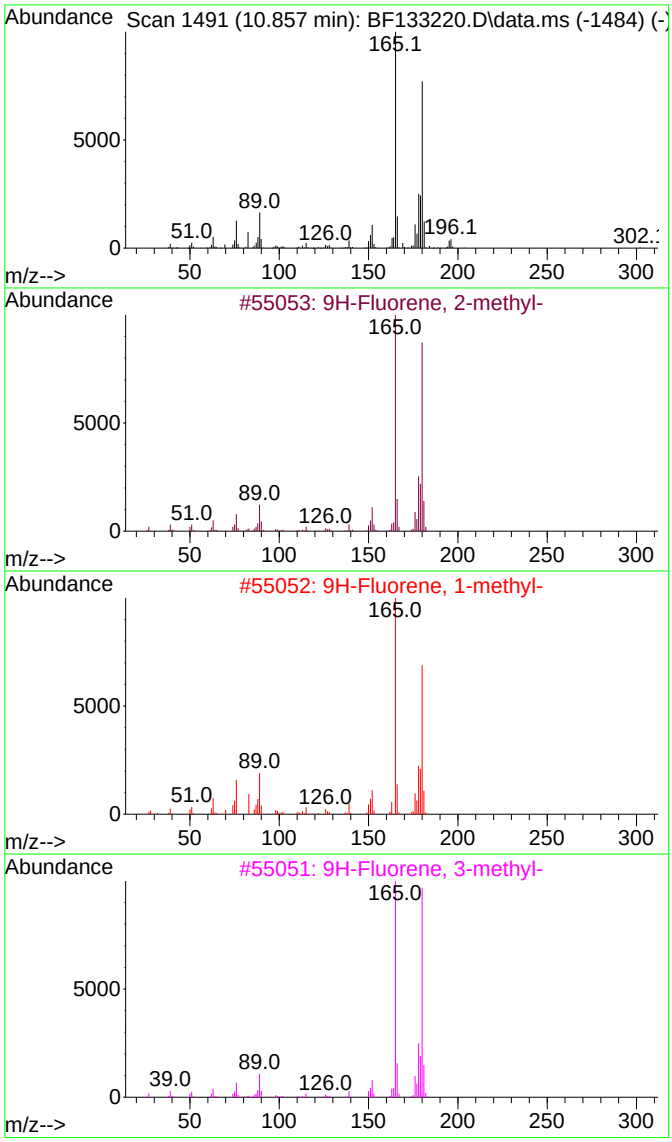
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

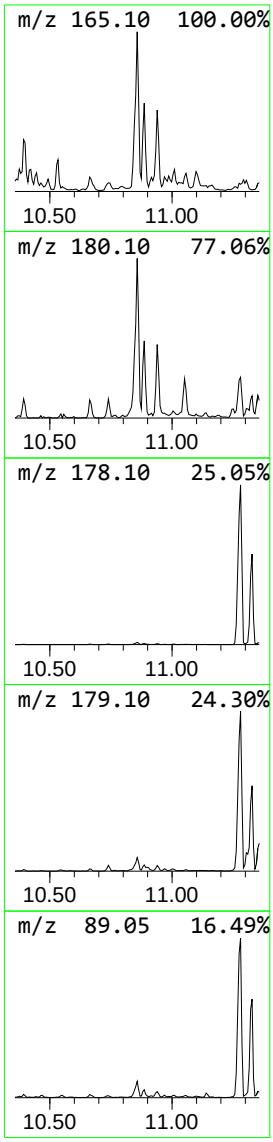
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.857	9.55 ng	731686	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133220.D
Acq On : 03 May 2023 21:54
Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

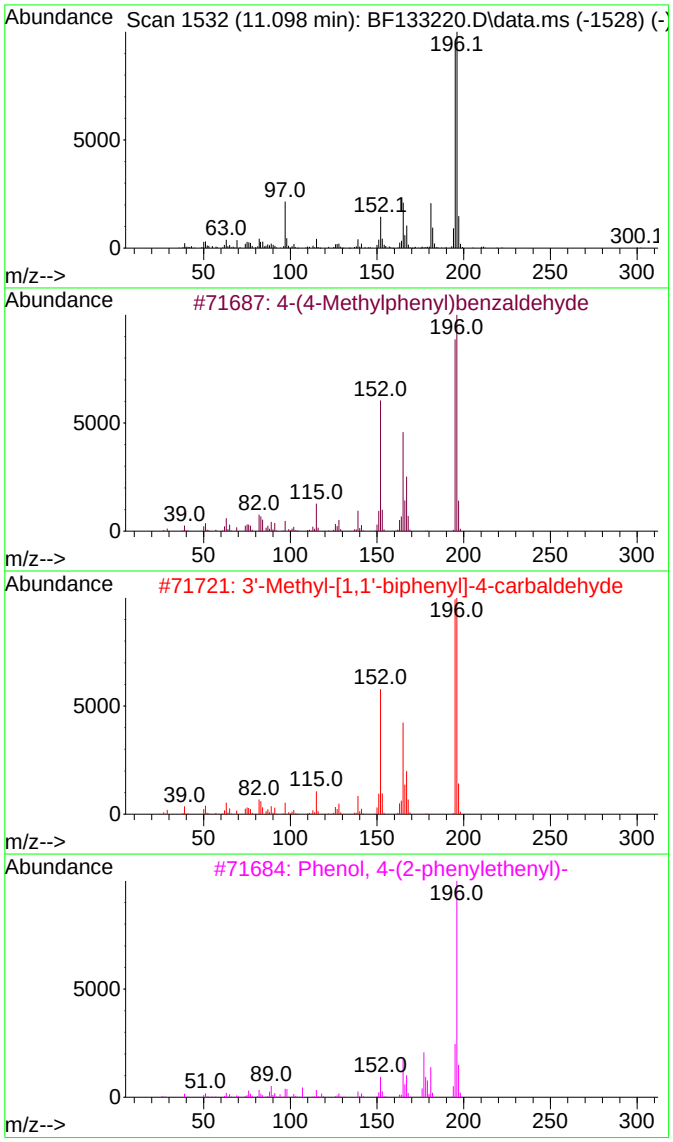
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

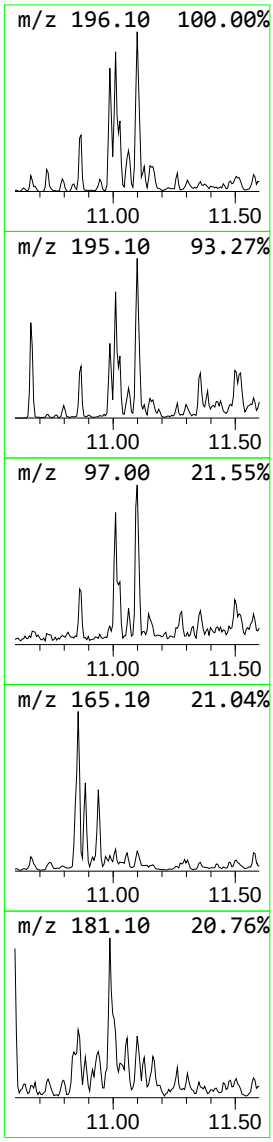
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.098	5.04 ng	386445	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	93
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	89
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49





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Acq On : 03 May 2023 21:54
Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-02-050223

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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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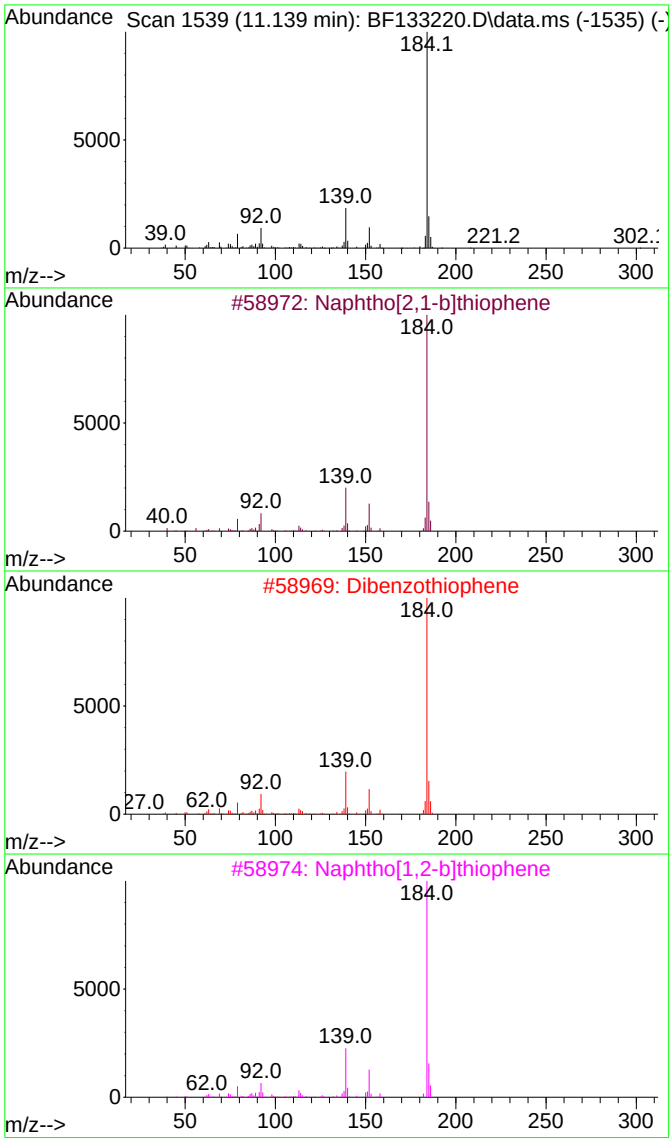
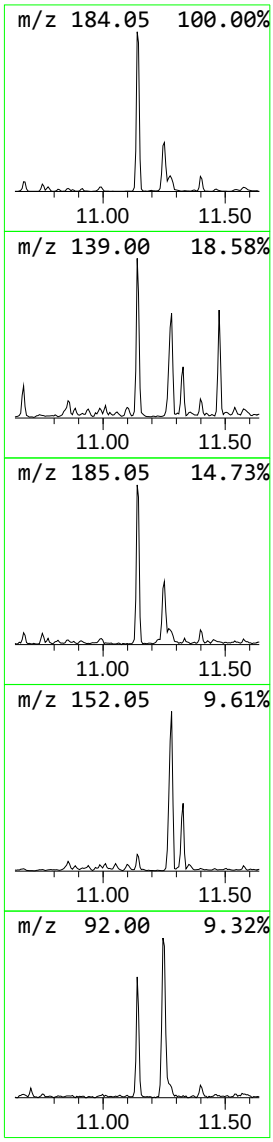
Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	10.33 ng	791703	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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

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

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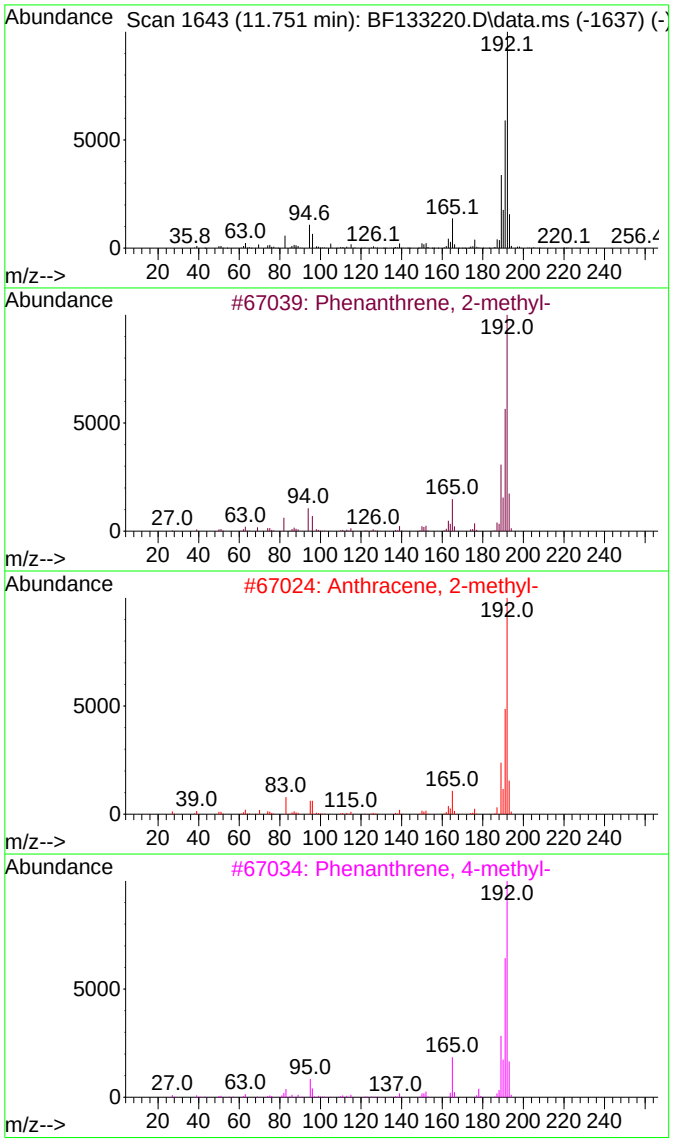
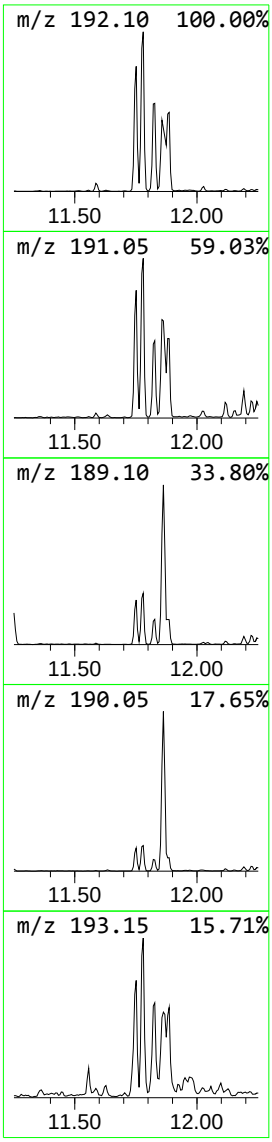
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	17.05 ng	1306700	Phenanthrene-d10	11.251

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, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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

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

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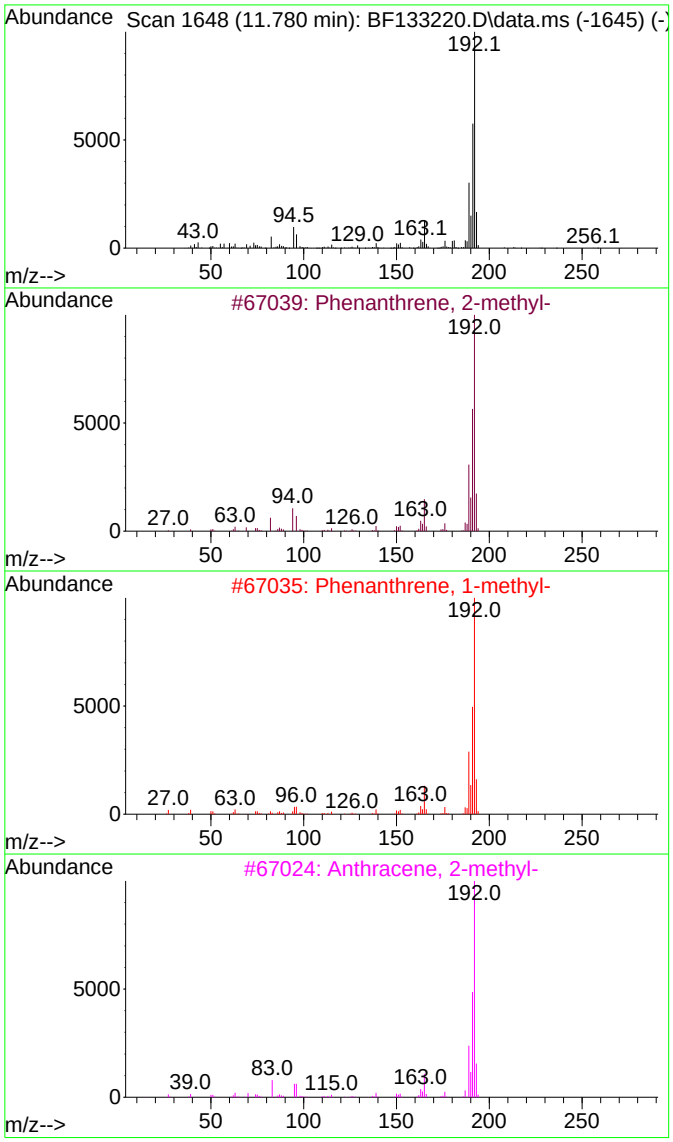
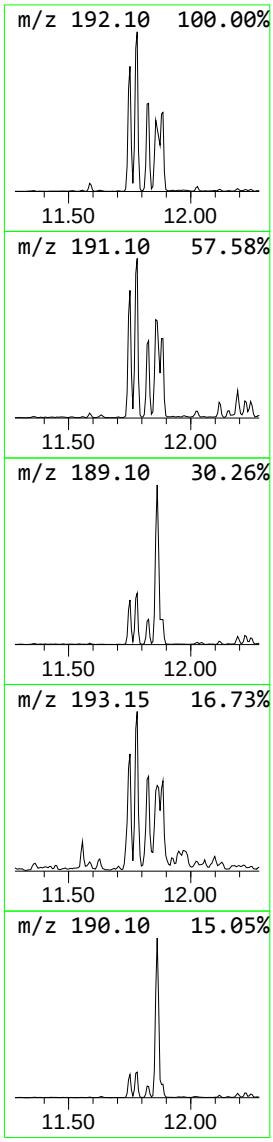
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	22.49 ng	1724050	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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ALS Vial : 22 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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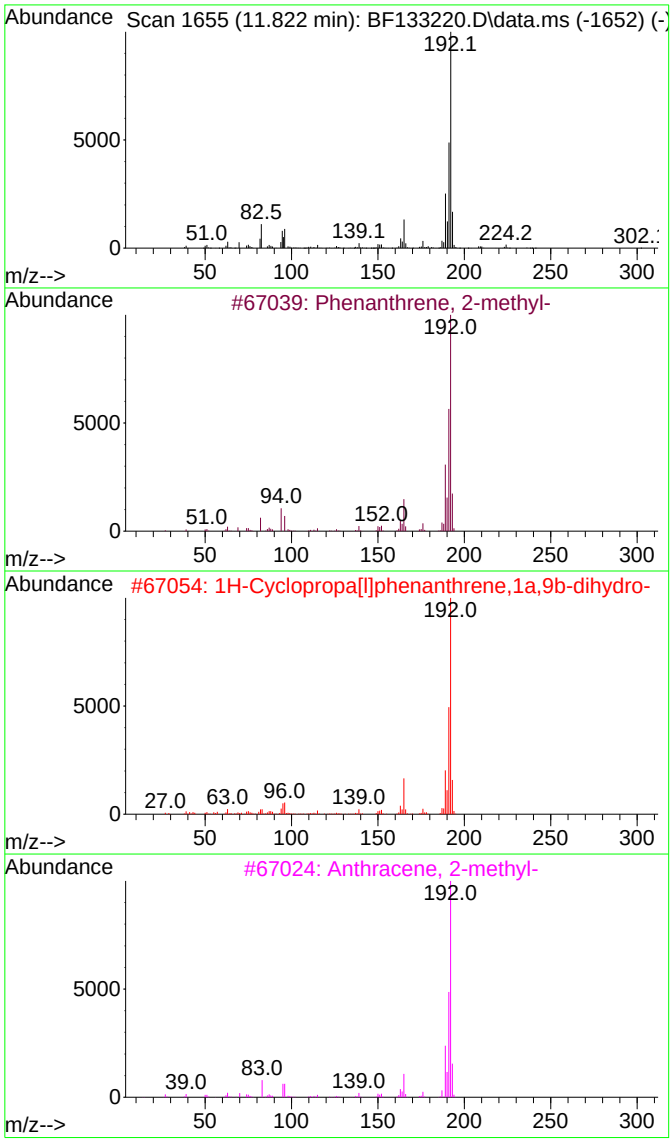
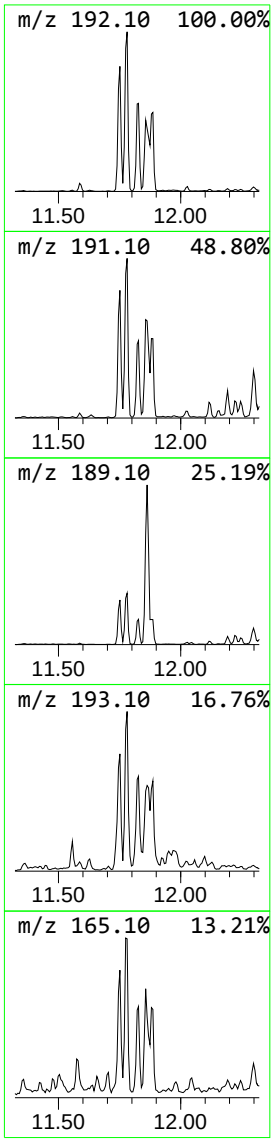
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	11.42 ng	875193	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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ALS Vial : 22 Sample Multiplier: 1

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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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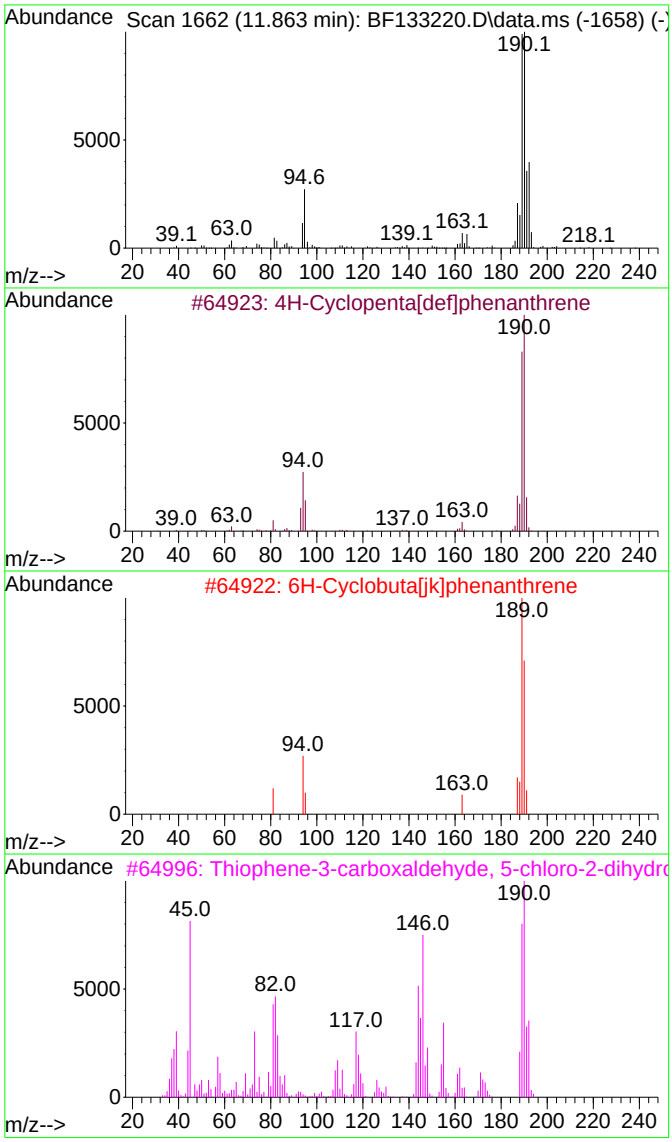
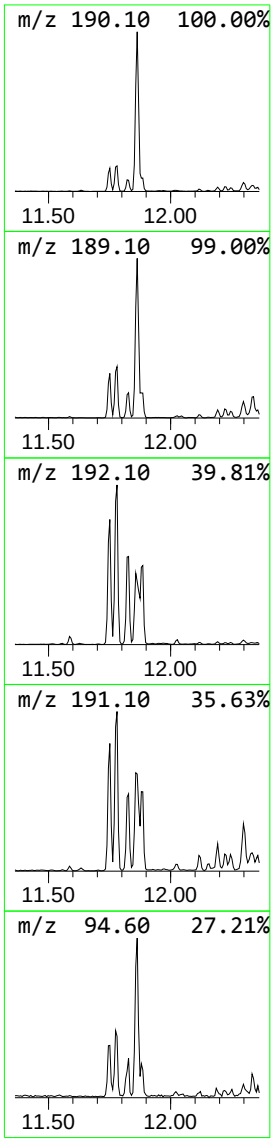
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	30.69 ng	2352190	Phenanthrene-d10	11.251

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	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	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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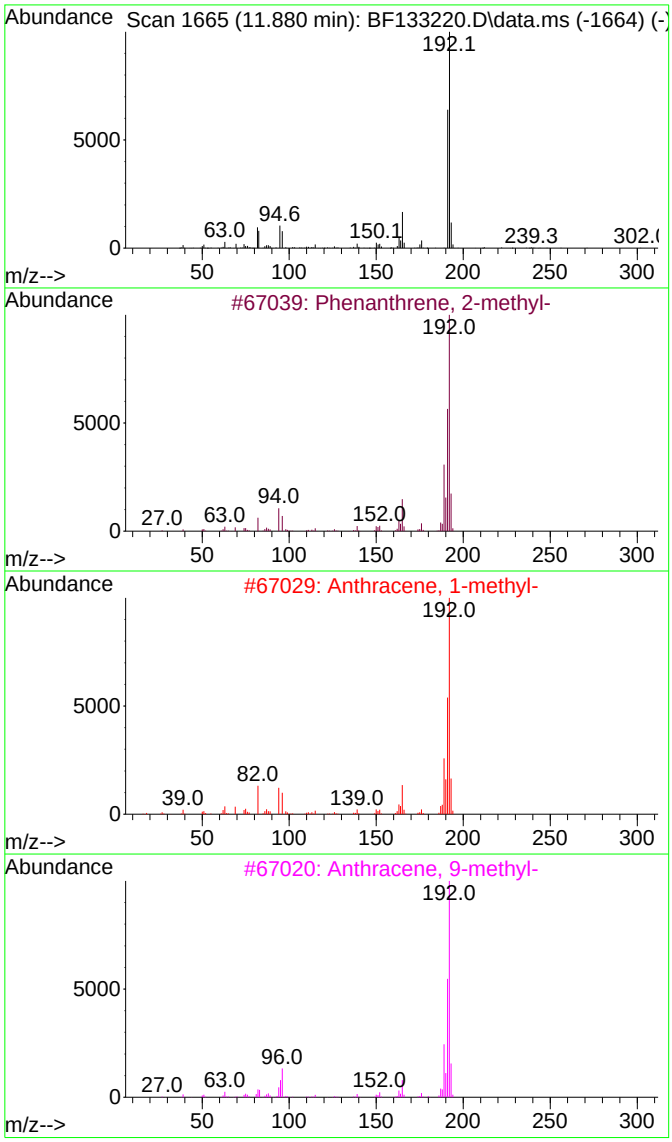
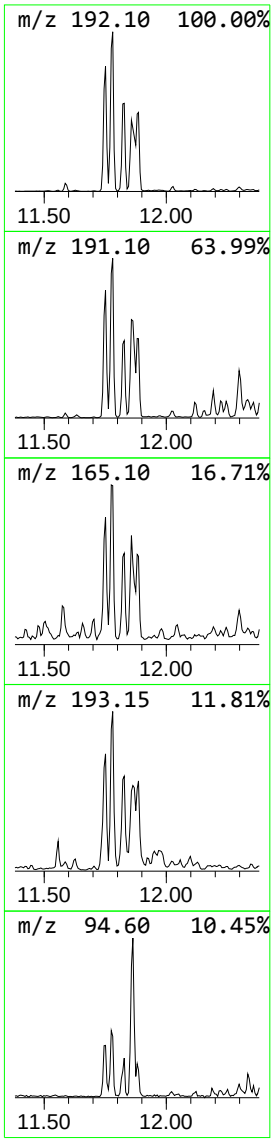
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	8.64 ng	662043	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Misc :
ALS Vial : 22 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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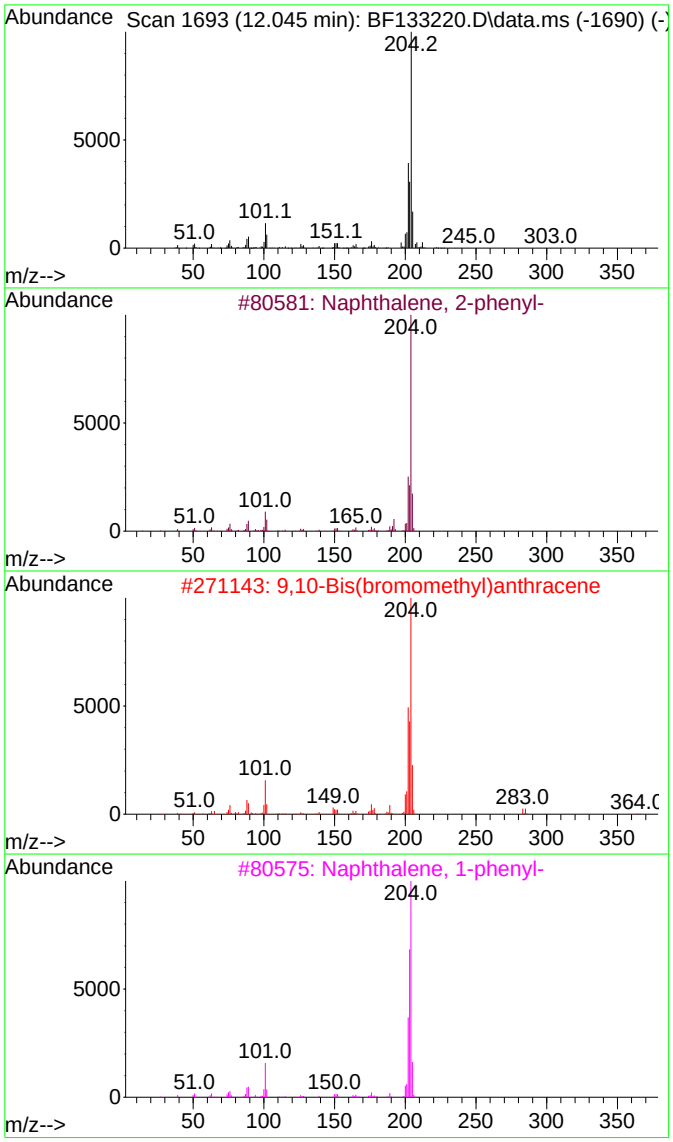
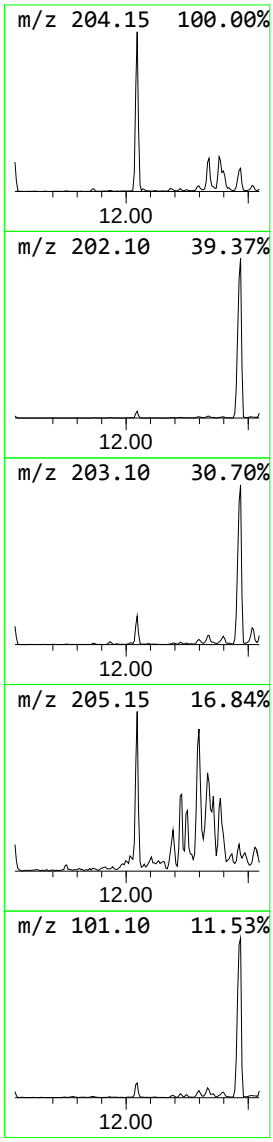
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	8.30 ng	636178	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47





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ALS Vial : 22 Sample Multiplier: 1

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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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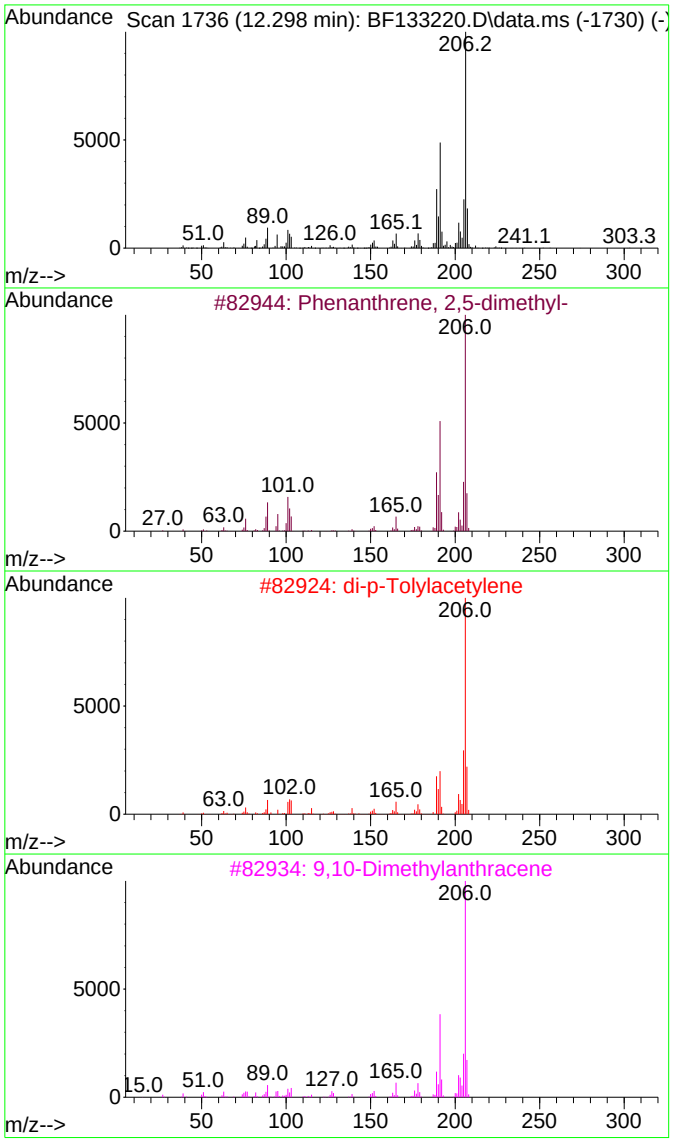
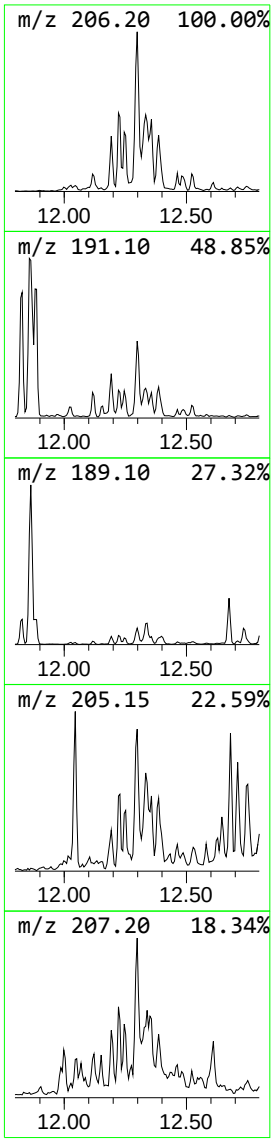
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	11.02 ng	844630	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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

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

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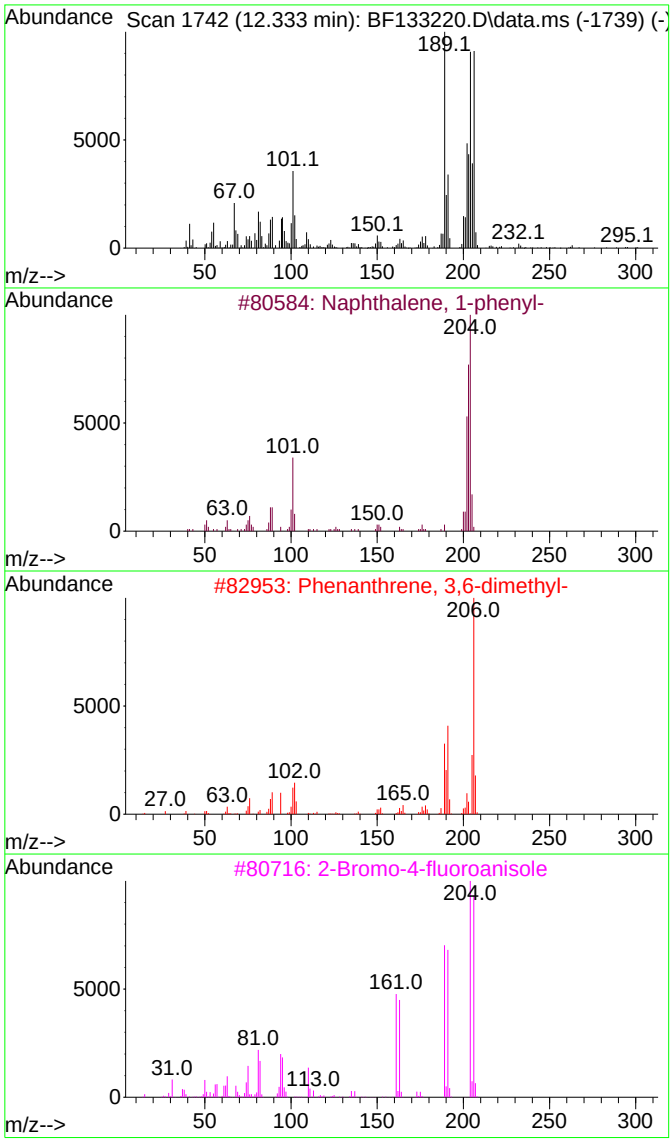
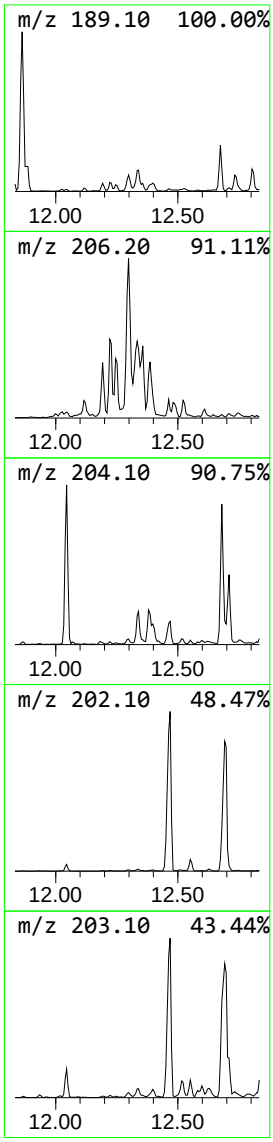
Peak Number 14 unknown12.333 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	6.50 ng	498154	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
3	2-Bromo-4-fluoroanisole	204	C7H6BrFO	000452-08-4	41
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38





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

TIC Library : C:\Database\NIST20.L
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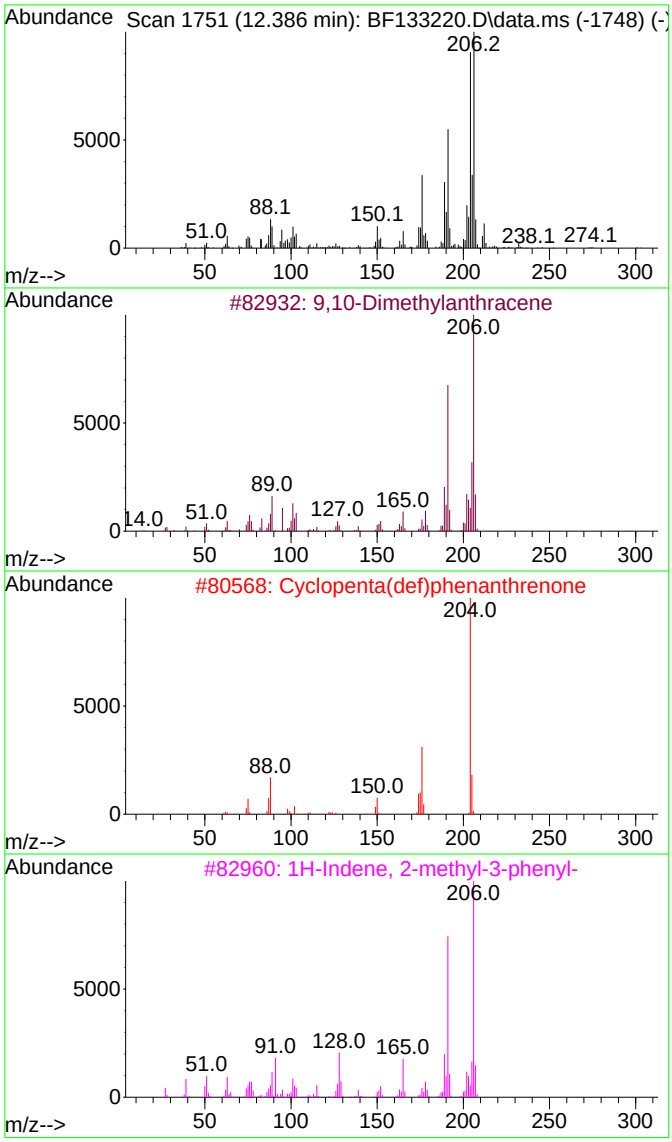
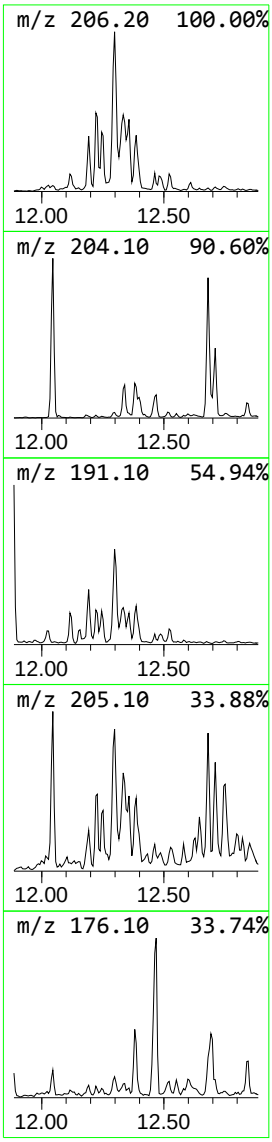
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	6.67 ng	510995	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	70
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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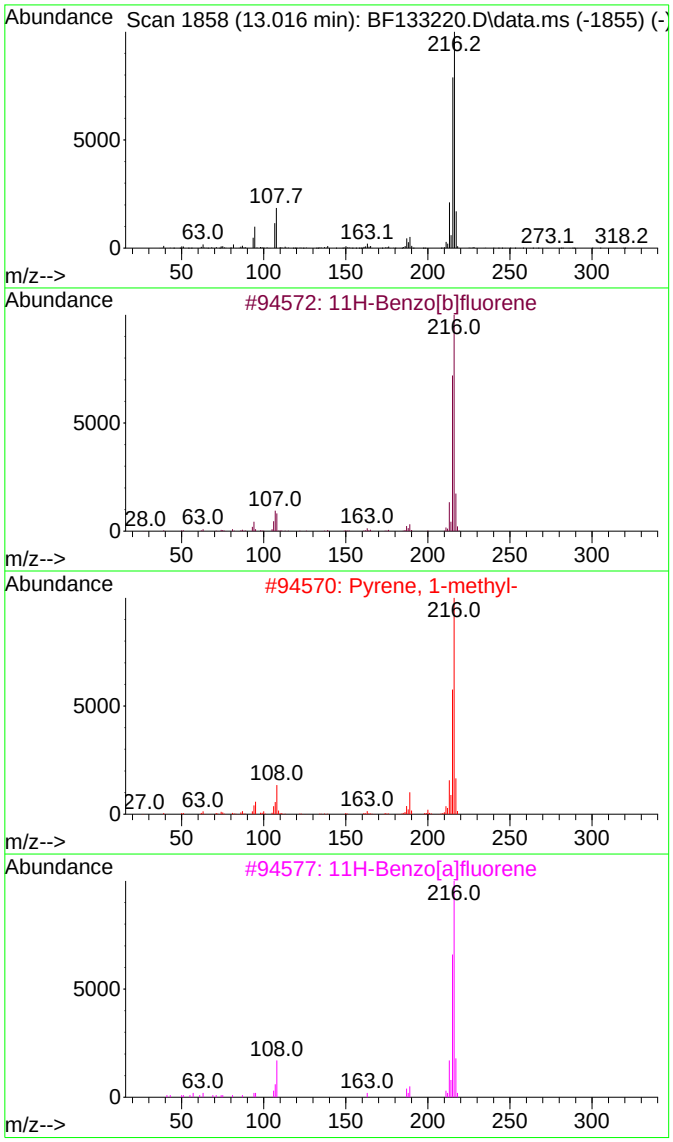
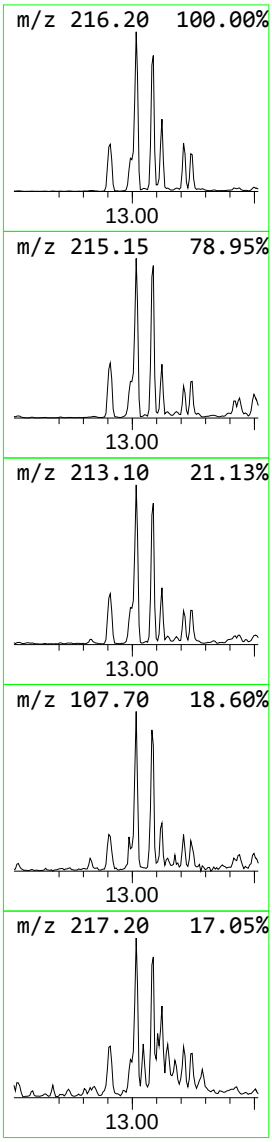
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.016	6.04 ng	1876970	Chrysene-d12	13.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Data File : BF133220.D
Acq On : 03 May 2023 21:54
Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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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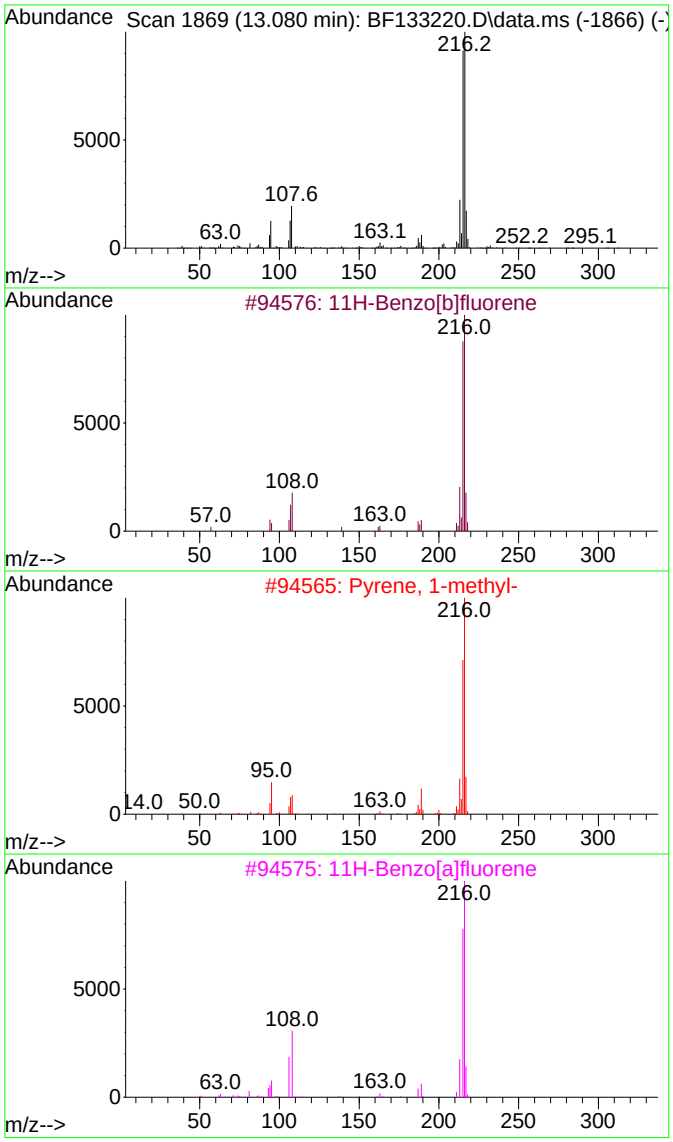
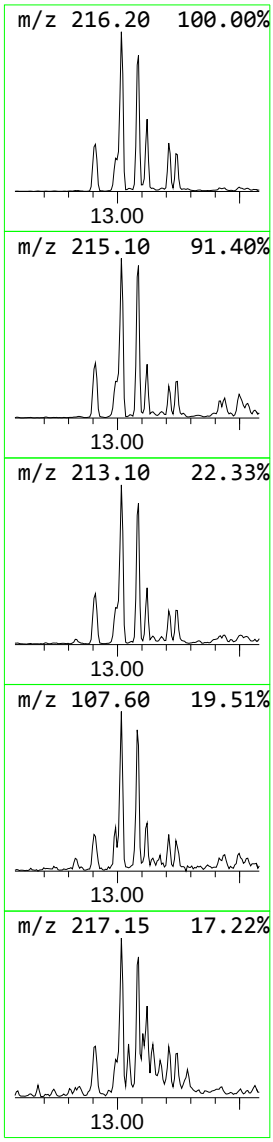
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	5.30 ng	1645170	Chrysene-d12	13.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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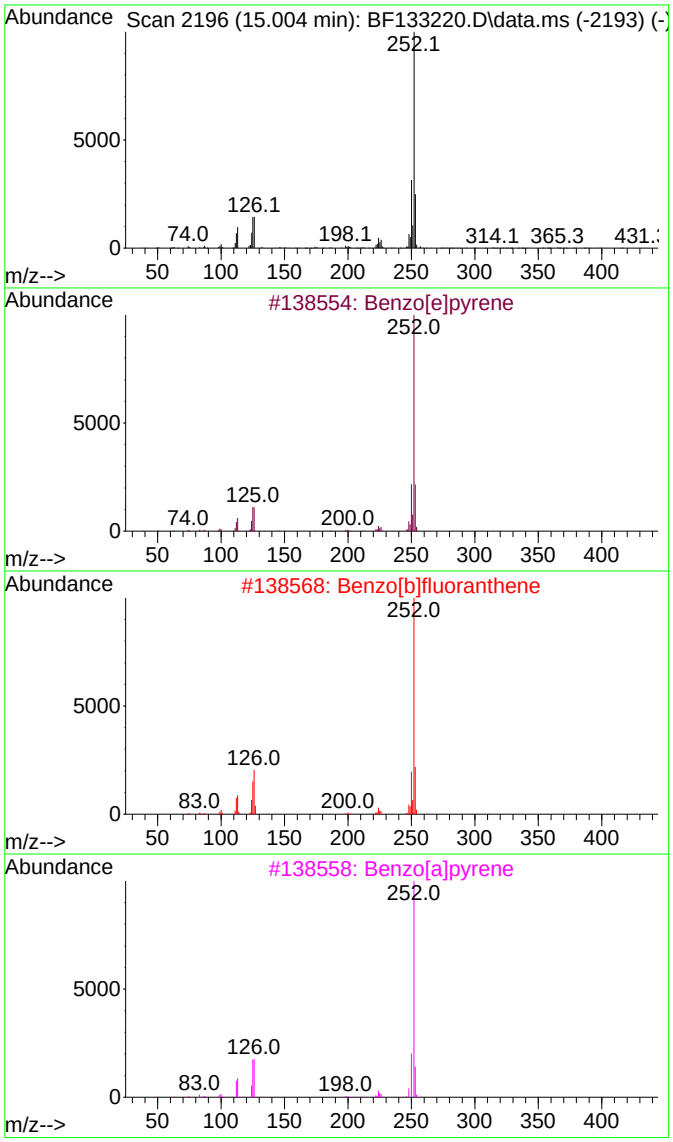
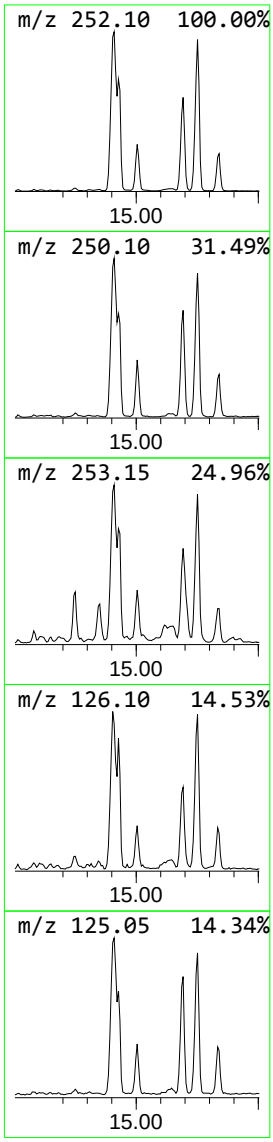
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.004	12.36 ng	640277	Perylene-d12	15.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Data File : BF133220.D
Acq On : 03 May 2023 21:54
Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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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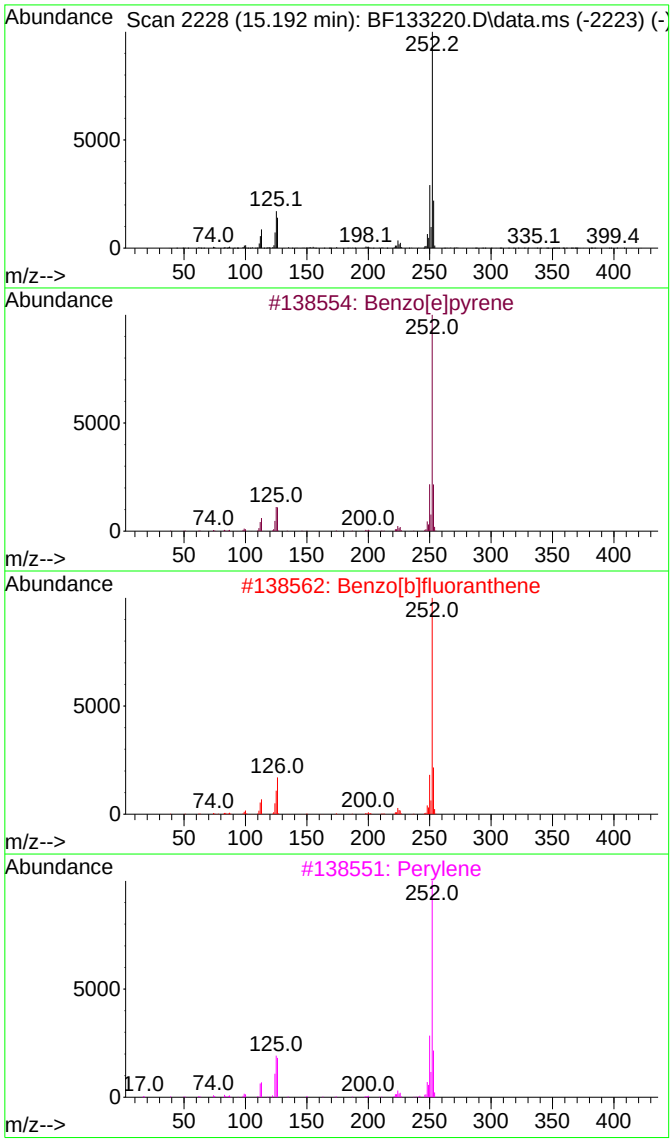
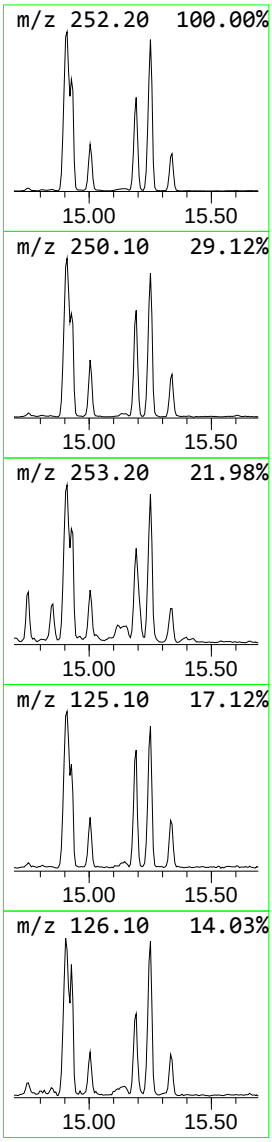
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	32.72 ng	1695060	Perylene-d12	15.310

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





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Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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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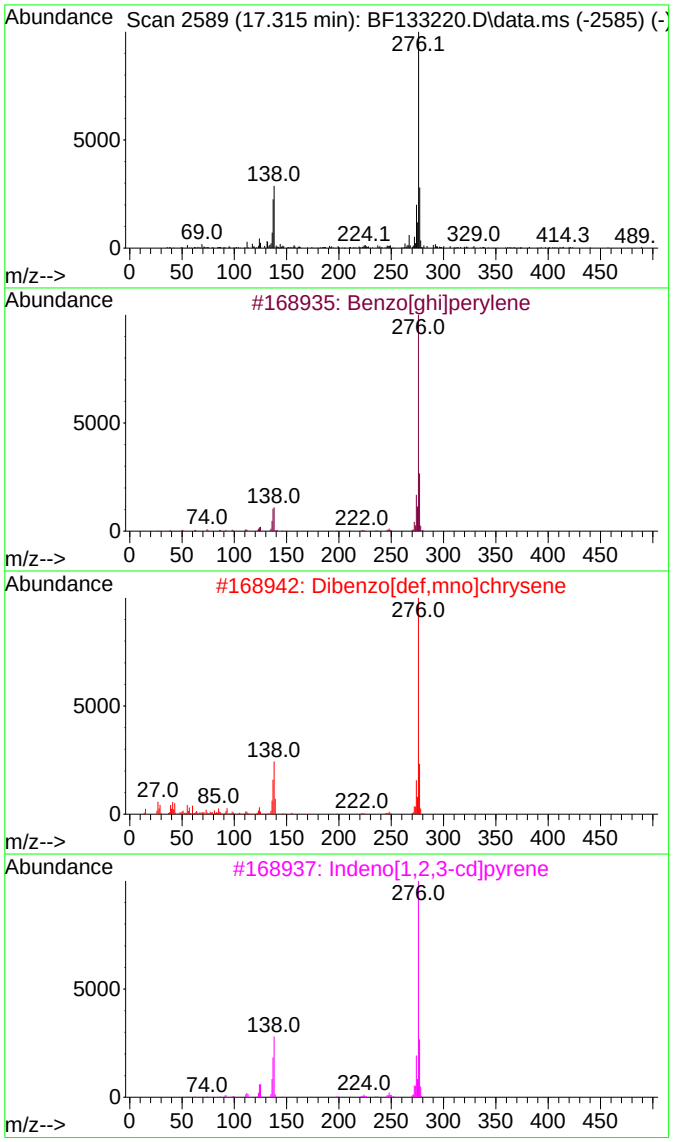
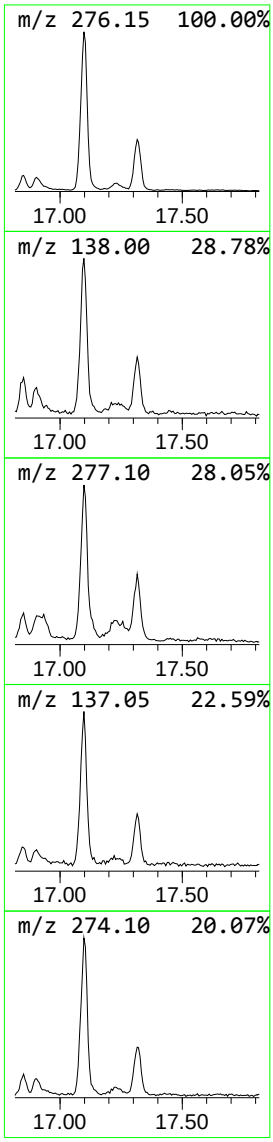
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.315	7.10 ng	367742	Perylene-d12	15.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	3-Diethylamino-2-[1-(triphenylsi...	439	C28H29NO2Si	079139-28-9	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133220.D
Acq On : 03 May 2023 21:54
Operator : CG\JU
Sample : 02582-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223

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
Naphthalene, 2,...	9.345	5.8	ng	572151	3	9.763	1988350	20.0
Naphthalene, 2,...	9.422	6.2	ng	618284	3	9.763	1988350	20.0
[1,1'-Biphenyl]...	10.469	6.3	ng	627413	3	9.763	1988350	20.0
9H-Fluorene, 2-...	10.857	9.6	ng	731686	4	11.251	1533030	20.0
4-(4-Methylphen...	11.098	5.0	ng	386445	4	11.251	1533030	20.0
Naphtho[2,1-b]t...	11.139	10.3	ng	791703	4	11.251	1533030	20.0
Phenanthrene, 2...	11.751	17.1	ng	1306700	4	11.251	1533030	20.0
Phenanthrene, 1...	11.780	22.5	ng	1724050	4	11.251	1533030	20.0
1H-Cyclopropa[l...	11.822	11.4	ng	875193	4	11.251	1533030	20.0
4H-Cyclopenta[d...	11.863	30.7	ng	2352190	4	11.251	1533030	20.0
Anthracene, 1-m...	11.880	8.6	ng	662043	4	11.251	1533030	20.0
Naphthalene, 2-...	12.045	8.3	ng	636178	4	11.251	1533030	20.0
Phenanthrene, 2...	12.298	11.0	ng	844630	4	11.251	1533030	20.0
unknown12.333	12.333	6.5	ng	498154	4	11.251	1533030	20.0
9,10-Dimethylan...	12.386	6.7	ng	510995	4	11.251	1533030	20.0
11H-Benzo[b]flu...	13.016	6.0	ng	1876970	5	13.886	6213300	20.0
Pyrene, 1-methyl-	13.080	5.3	ng	1645170	5	13.886	6213300	20.0
Benzo[e]pyrene	15.004	12.4	ng	640277	6	15.310	1036200	20.0
Perylene	15.192	32.7	ng	1695060	6	15.310	1036200	20.0
Dibenzo[def,mno...	17.315	7.1	ng	367742	6	15.310	1036200	20.0