LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133887.D
Acq On : 21 Jun 2023 23:50
Operator : CG\JU
Sample : 03289-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06-0-2.0

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133887.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	4	9	15	rVB	102412	133087	1.90%	0.188%
2	5.087	507	510	520	rBV	115622	121106	1.73%	0.171%
3	5.492	575	579	588	rBV	899718	819819	11.70%	1.156%
4	6.492	745	749	759	rBV	906959	815134	11.64%	1.149%
5	6.857	808	811	815	rBV	685536	597024	8.52%	0.842%
6	7.416	903	906	910	rBV	595286	478977	6.84%	0.675%
7	8.139	1025	1029	1031	rBV	837401	652810	9.32%	0.920%
8	9.216	1208	1212	1215	rBV	940438	772375	11.03%	1.089%
9	9.551	1266	1269	1272	rBV	149384	151484	2.16%	0.214%
10	9.757	1301	1304	1308	rBV	461608	362803	5.18%	0.511%
11	9.898	1321	1328	1331	rBV	718677	617596	8.82%	0.871%
12	9.927	1331	1333	1337	rVB	376680	305531	4.36%	0.431%
13	10.104	1358	1363	1366	rVV2	271862	263513	3.76%	0.371%
14	10.445	1418	1421	1427	rVB	458334	447637	6.39%	0.631%
15	10.604	1445	1448	1454	rVB2	210923	209641	2.99%	0.296%
16	10.686	1459	1462	1466	rVV	683727	631090	9.01%	0.890%
17	10.816	1478	1484	1487	rVB4	102260	128338	1.83%	0.181%
18	10.998	1508	1515	1518	rBV3	201332	256240	3.66%	0.361%
19	11.127	1532	1537	1539	rBV2	161968	212318	3.03%	0.299%
20	11.151	1539	1541	1546	rVV	173485	201332	2.87%	0.284%
21	11.198	1546	1549	1552	rVV2	242499	243540	3.48%	0.343%
22	11.239	1552	1556	1561	rVV3	175534	283367	4.05%	0.399%
23	11.286	1561	1564	1569	rVB	345843	327932	4.68%	0.462%
24	11.392	1576	1582	1584	rBV	615054	665171	9.50%	0.938%
25	11.427	1584	1588	1591	rVV	4211826	4246547	60.62%	5.986%
26	11.469	1592	1595	1598	rVV	1341524	1210595	17.28%	1.707%
27	11.498	1598	1600	1604	rVB2	140230	141535	2.02%	0.200%
28	11.627	1615	1622	1624	rBV2	321353	388918	5.55%	0.548%
29	11.686	1630	1632	1635	rBV2	148239	122931	1.75%	0.173%
30	11.727	1635	1639	1644	rVB2	201976	225730	3.22%	0.318%
31	11.804	1650	1652	1657	rVB	113287	120829	1.72%	0.170%
32	11.898	1662	1668	1670	rBV	969088	886876	12.66%	1.250%
33	11.927	1670	1673	1677	rVB	1381750	1148687	16.40%	1.619%
34	11.974	1677	1681	1684	rBV	579145	493906	7.05%	0.696%
35	12.010	1684	1687	1690	rVV	1341290	1588373	22.67%	2.239%
36	12.033	1690	1691	1695	rVB	780000	463724	6.62%	0.654%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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Acq On : 21 Jun 2023 23:50
Operator : CG\JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.080	1695	1699	1701	rBV2	106211	119437	1.70%	0.168%
38	12.192	1715	1718	1721	rVV	590281	587444	8.39%	0.828%
39	12.221	1721	1723	1727	rVV2	426471	344804	4.92%	0.486%
40	12.345	1742	1744	1747	rVV	258112	223591	3.19%	0.315%
41	12.374	1747	1749	1751	rVV	262308	216098	3.08%	0.305%
42	12.398	1751	1753	1756	rVB	221625	193701	2.77%	0.273%
43	12.451	1756	1762	1765	rBV	655167	761895	10.88%	1.074%
44	12.492	1765	1769	1771	rVV	377577	548497	7.83%	0.773%
45	12.545	1774	1778	1782	rVB	540573	638624	9.12%	0.900%
46	12.633	1787	1793	1795	rBV	5182106	6474874	92.43%	9.128%
47	12.680	1799	1801	1804	rVB2	195906	173030	2.47%	0.244%
48	12.710	1804	1806	1809	rVB	177591	157721	2.25%	0.222%
49	12.768	1809	1816	1820	rBV3	336705	582719	8.32%	0.821%
50	12.863	1825	1832	1835	rBV2	4998231	7005257	100.00%	9.875%
51	12.898	1835	1838	1842	rVB2	359390	434691	6.21%	0.613%
52	12.968	1845	1850	1851	rBV	447679	447368	6.39%	0.631%
53	12.986	1851	1853	1855	rBV	635355	528946	7.55%	0.746%
54	13.068	1861	1867	1870	rBV2	584183	991217	14.15%	1.397%
55	13.098	1870	1872	1874	rVV	174103	135609	1.94%	0.191%
56	13.151	1878	1881	1883	rVV3	493546	607577	8.67%	0.857%
57	13.180	1883	1886	1889	rVB	899213	894475	12.77%	1.261%
58	13.210	1889	1891	1894	rBV3	120802	165831	2.37%	0.234%
59	13.245	1894	1897	1899	rVV	578897	494206	7.05%	0.697%
60	13.280	1899	1903	1906	rVV2	808777	973189	13.89%	1.372%
61	13.310	1906	1908	1911	rVV2	165409	161263	2.30%	0.227%
62	13.339	1911	1913	1916	rVB	185197	141152	2.01%	0.199%
63	13.374	1916	1919	1922	rBV	418102	387791	5.54%	0.547%
64	13.404	1922	1924	1928	rVV2	429715	428600	6.12%	0.604%
65	13.568	1947	1952	1953	rBV3	161337	247580	3.53%	0.349%
66	13.604	1956	1958	1960	rVV2	188193	180181	2.57%	0.254%
67	13.662	1965	1968	1970	rVV2	113980	142993	2.04%	0.202%
68	13.692	1970	1973	1977	rVV	821088	774476	11.06%	1.092%
69	13.804	1987	1992	1994	rVV2	636885	791973	11.31%	1.116%
70	13.827	1994	1996	1999	rVV	594468	638006	9.11%	0.899%
71	13.857	1999	2001	2006	rVV2	437101	702492	10.03%	0.990%
72	13.904	2006	2009	2012	rVB	664272	658690	9.40%	0.929%
73	14.051	2027	2034	2038	rBV2	2841977	4394610	62.73%	6.195%
74	14.092	2038	2041	2047	rVB	2570045	2600387	37.12%	3.666%
75	14.162	2051	2053	2056	rBV	384683	294971	4.21%	0.416%
76	14.286	2070	2074	2077	rVB2	248569	276821	3.95%	0.390%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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Acq On : 21 Jun 2023 23:50
Operator : CG\JU
Sample : 03289-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.374	2086	2089	2092	rBV2	117306	168137	2.40%	0.237%
78	14.410	2092	2095	2097	rVV	168939	182655	2.61%	0.257%
79	14.445	2097	2101	2104	rVV	674271	717162	10.24%	1.011%
80	14.480	2104	2107	2110	rVV	355314	352258	5.03%	0.497%
81	14.539	2111	2117	2120	rVV4	229016	462927	6.61%	0.653%
82	14.568	2120	2122	2124	rVV	329489	313030	4.47%	0.441%
83	14.592	2124	2126	2130	rVV2	266138	280410	4.00%	0.395%
84	14.645	2133	2135	2141	rVV3	186854	199077	2.84%	0.281%
85	14.762	2152	2155	2157	rBV2	136202	128195	1.83%	0.181%
86	14.845	2166	2169	2172	rBV2	117066	132652	1.89%	0.187%
87	14.957	2183	2188	2192	rVB2	141458	207605	2.96%	0.293%
88	15.021	2196	2199	2203	rBV3	76572	126770	1.81%	0.179%
89	15.127	2211	2217	2220	rBV	1597832	2747725	39.22%	3.873%
90	15.233	2232	2235	2239	rVB	384323	378990	5.41%	0.534%
91	15.345	2248	2254	2258	rBV2	111806	279743	3.99%	0.394%
92	15.386	2259	2261	2264	rVV2	121721	155065	2.21%	0.219%
93	15.445	2265	2271	2276	rVV	893682	1358821	19.40%	1.916%
94	15.509	2277	2282	2287	rVB	1327668	1823235	26.03%	2.570%
95	15.568	2288	2292	2295	rBV	272920	388159	5.54%	0.547%
96	15.604	2295	2298	2305	rVB2	416529	587933	8.39%	0.829%
97	17.133	2550	2558	2566	rVB3	567239	1253435	17.89%	1.767%
98	17.309	2584	2588	2594	rBV	123341	228597	3.26%	0.322%
99	17.380	2595	2600	2604	rVV2	106166	189503	2.71%	0.267%
100	17.603	2631	2638	2650	rVB	437080	1015544	14.50%	1.432%

Sum of corrected areas: 70936931

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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Instrument :
BNA_F
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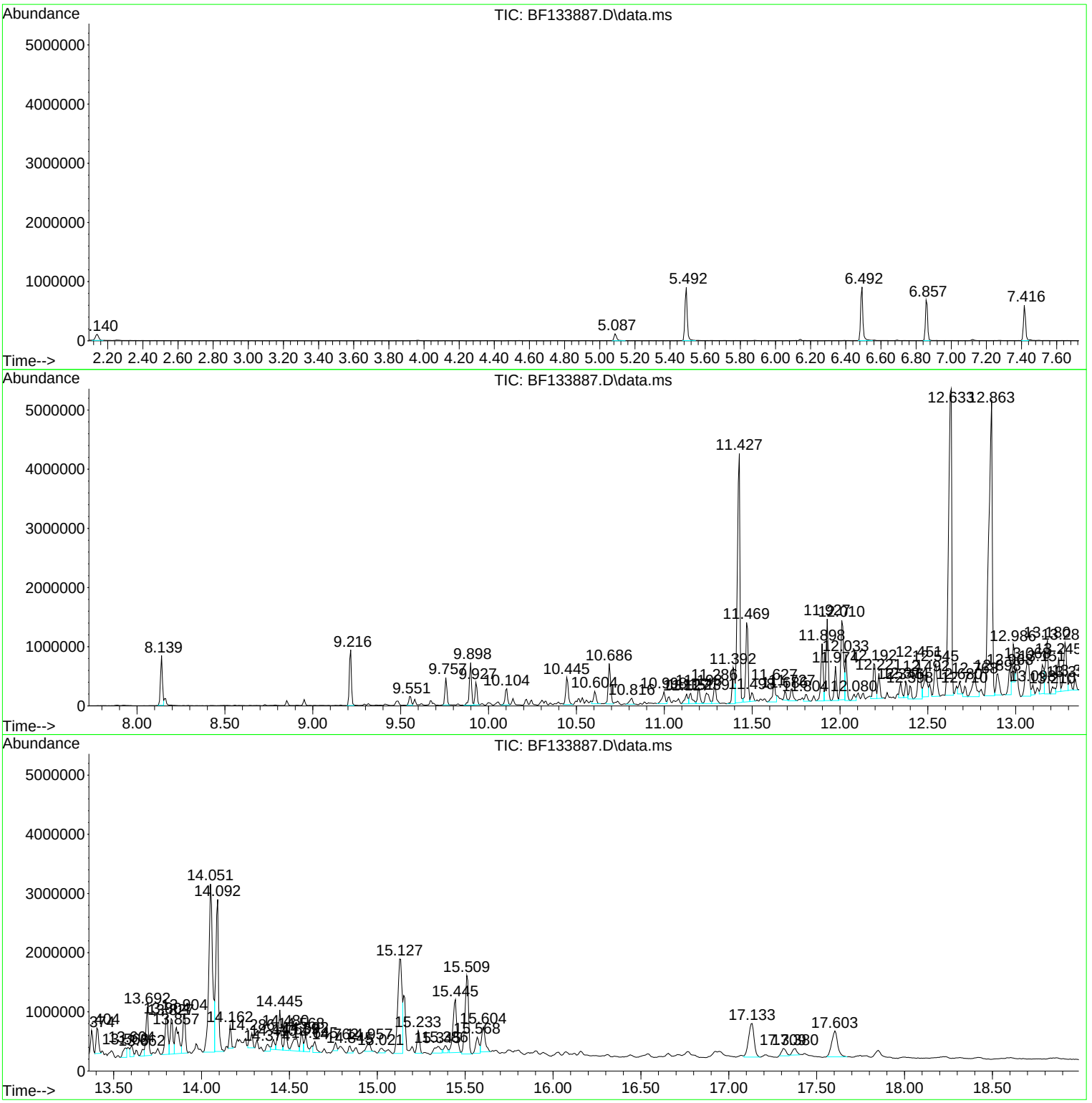
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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\BF062123\
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Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

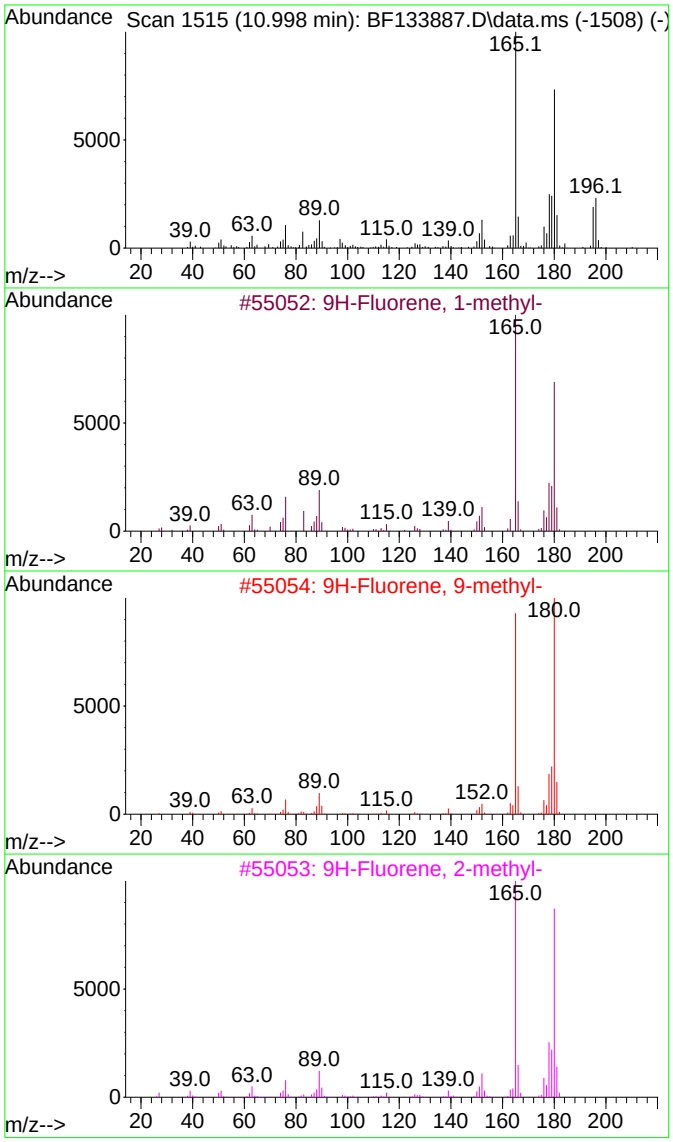
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

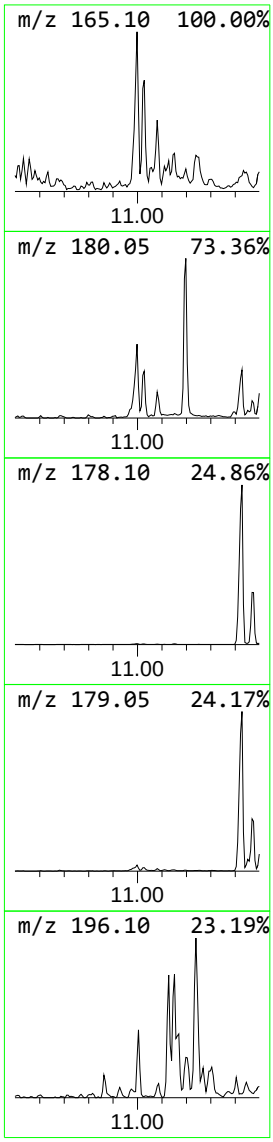
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.998	7.70 ng	256240	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133887.D
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Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

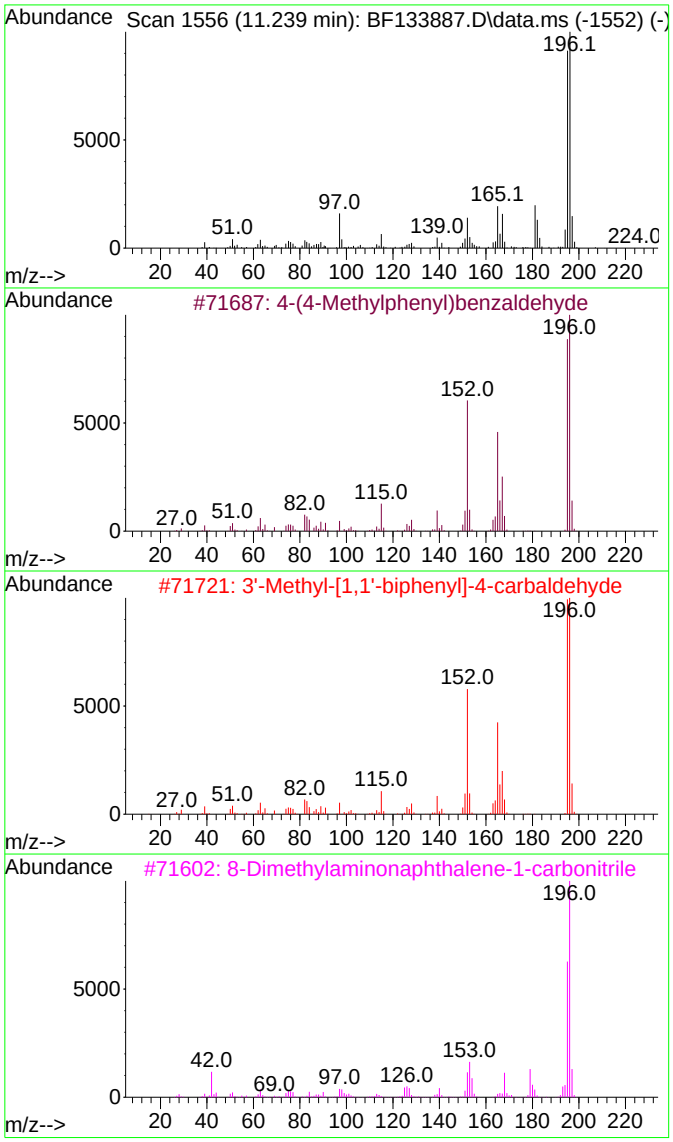
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

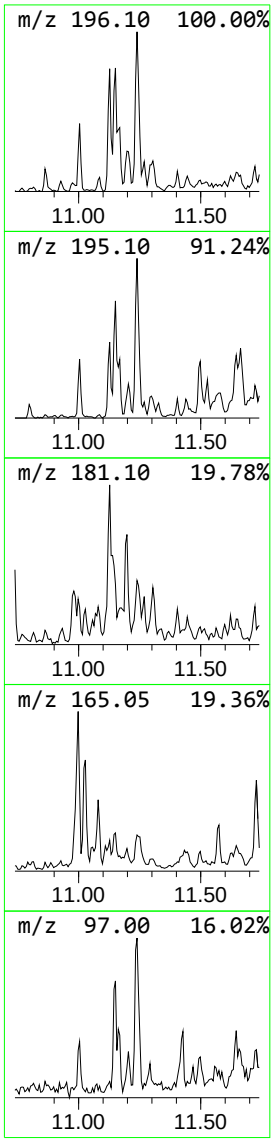
****

Peak Number 2 4-(4-Methylphenyl)benzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.239	8.52 ng	283367	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
4	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	62
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

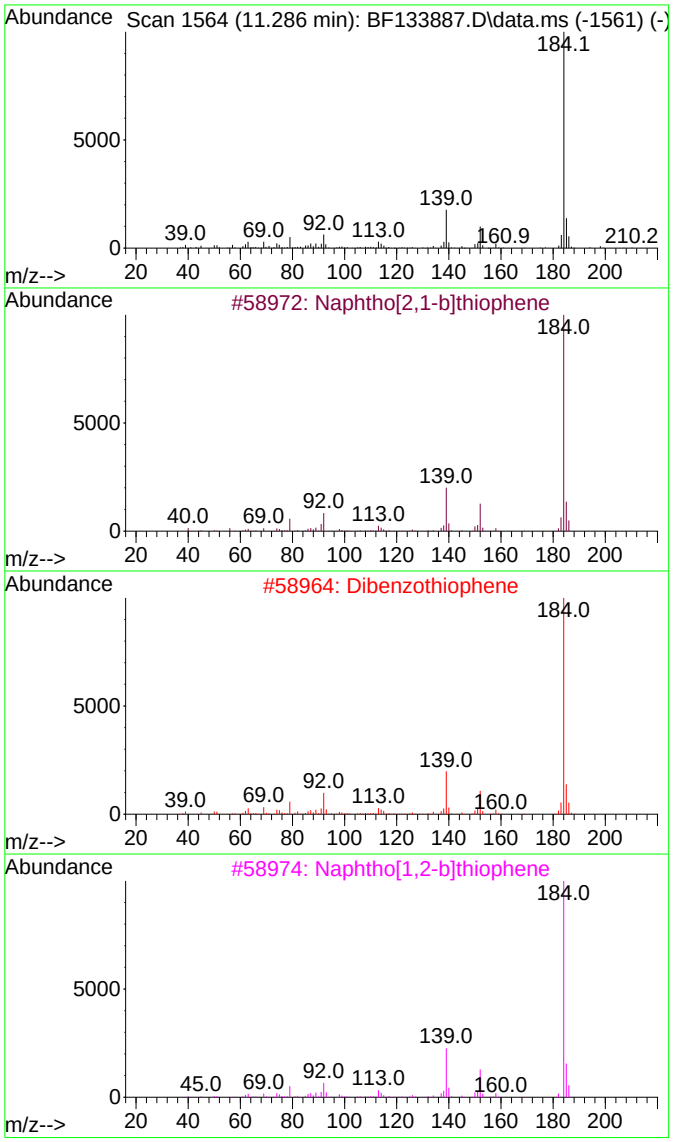
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

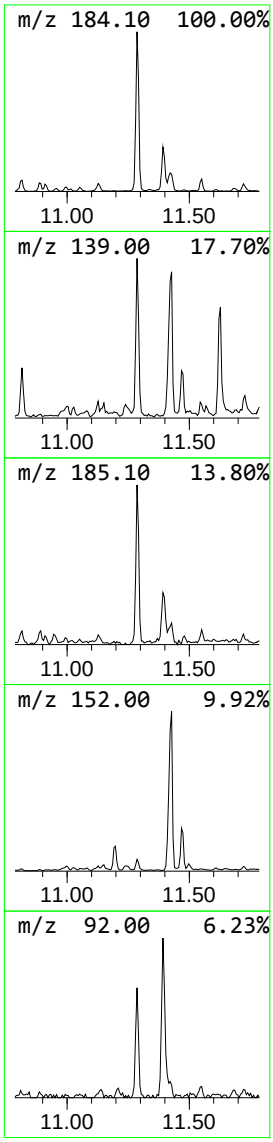
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	9.86 ng	327932	Phenanthrene-d10	11.392

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	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133887.D
Acq On : 21 Jun 2023 23:50
Operator : CG\JU
Sample : 03289-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

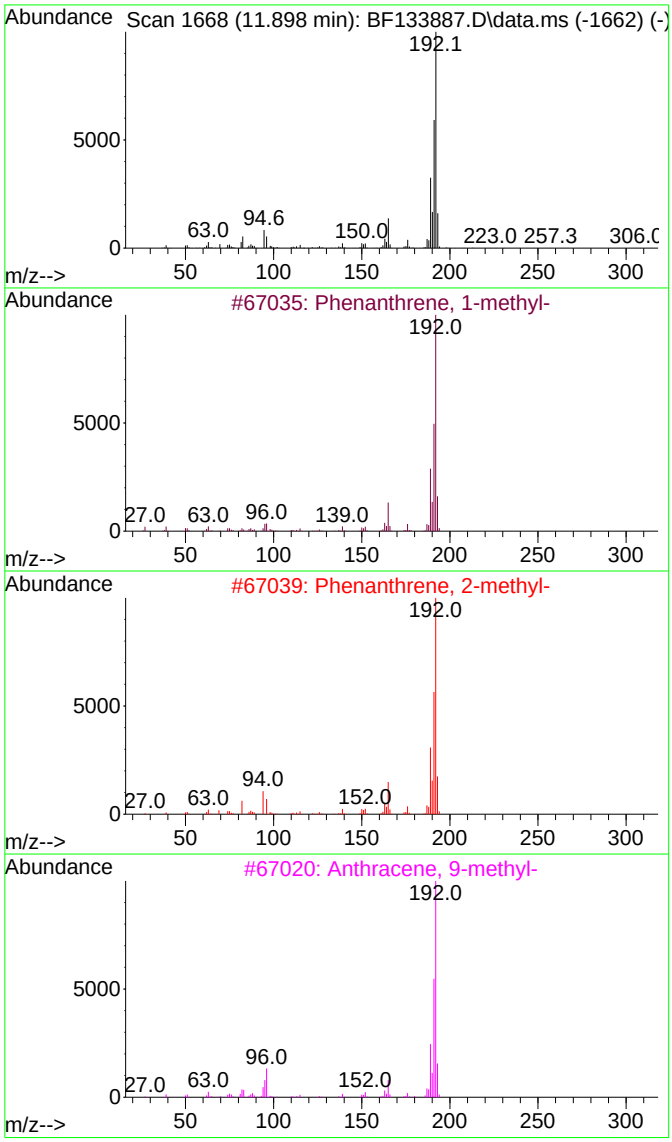
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

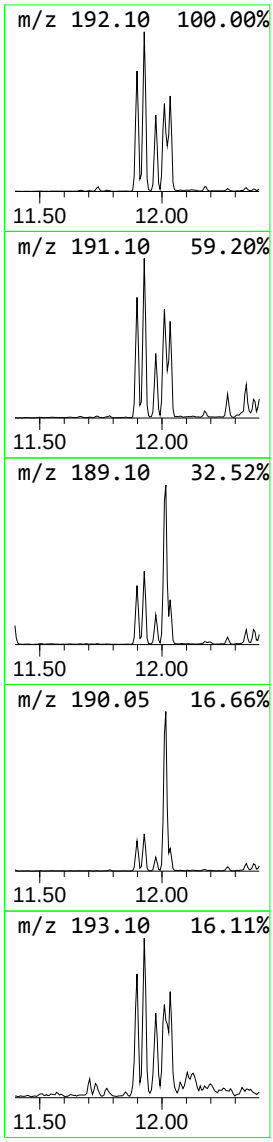
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	26.67 ng	886876	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133887.D
Acq On : 21 Jun 2023 23:50
Operator : CG\JU
Sample : 03289-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

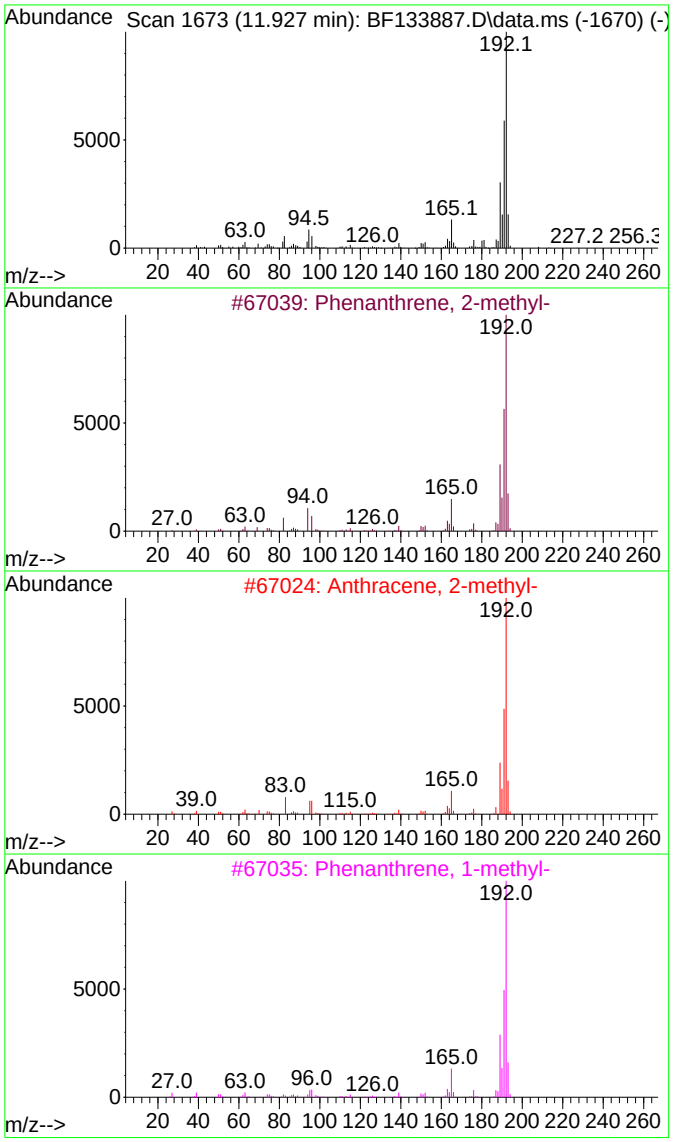
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

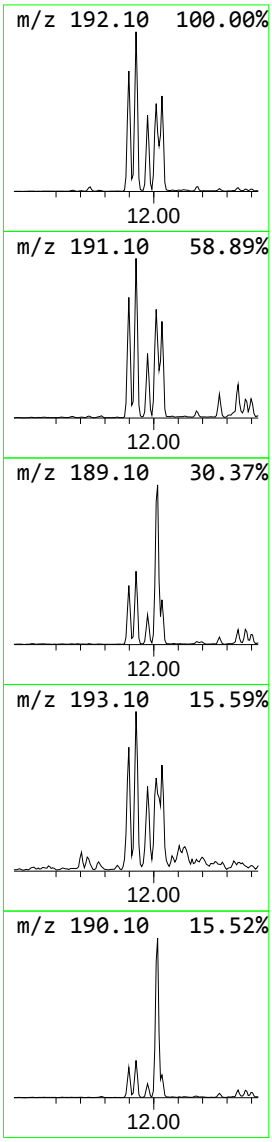
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	34.54 ng	1148690	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : 03289-15 2X
Misc :
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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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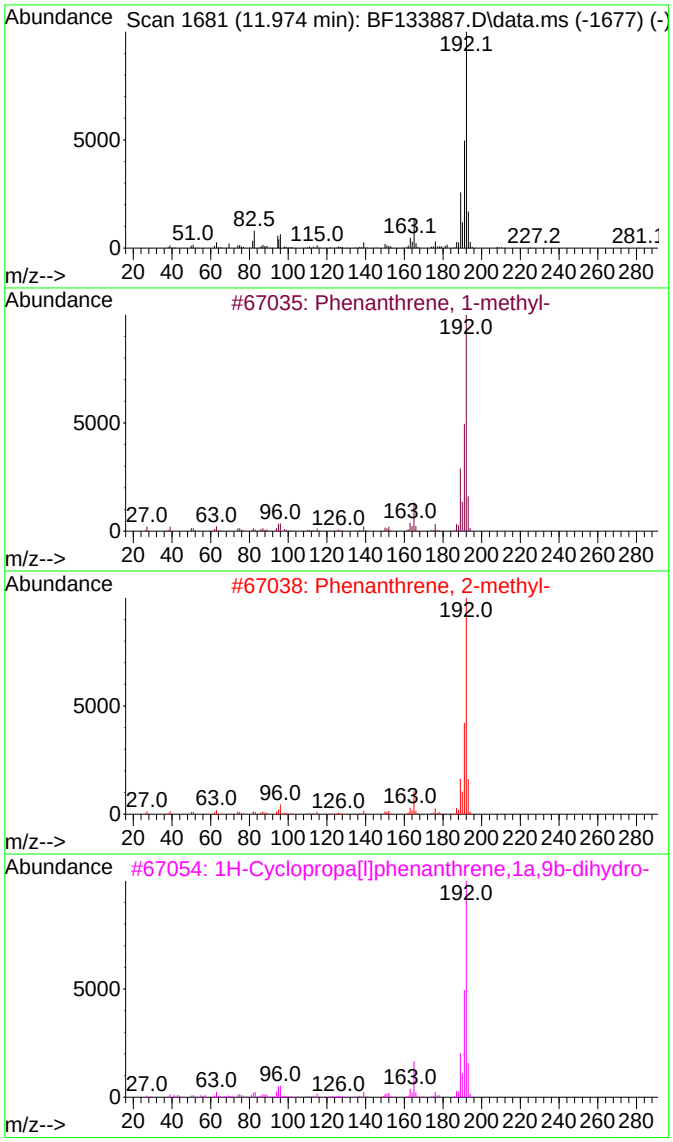
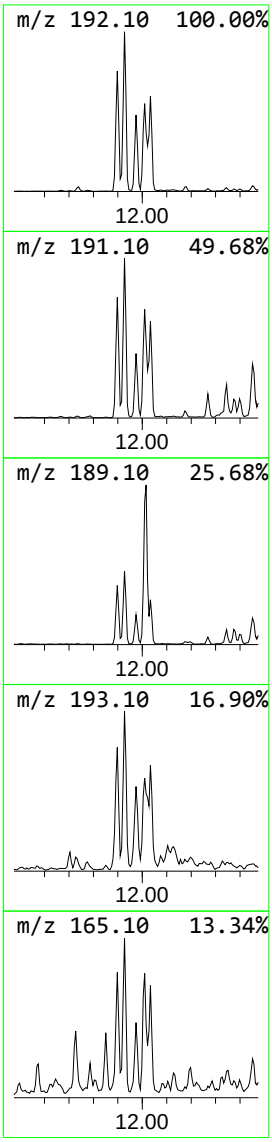
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	14.85 ng	493906	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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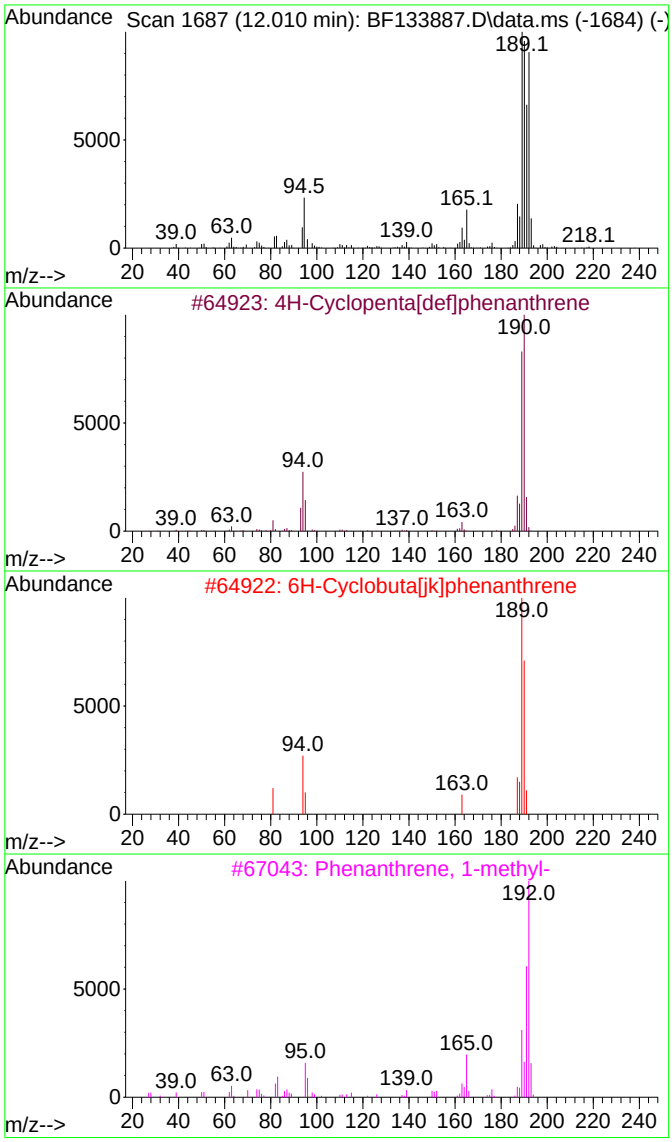
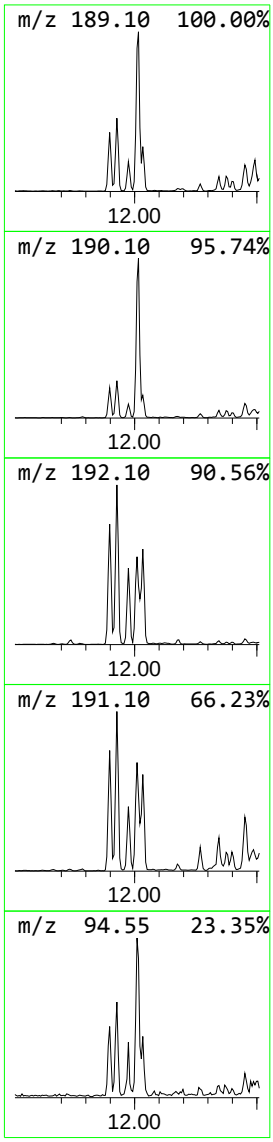
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	47.76 ng	1588370	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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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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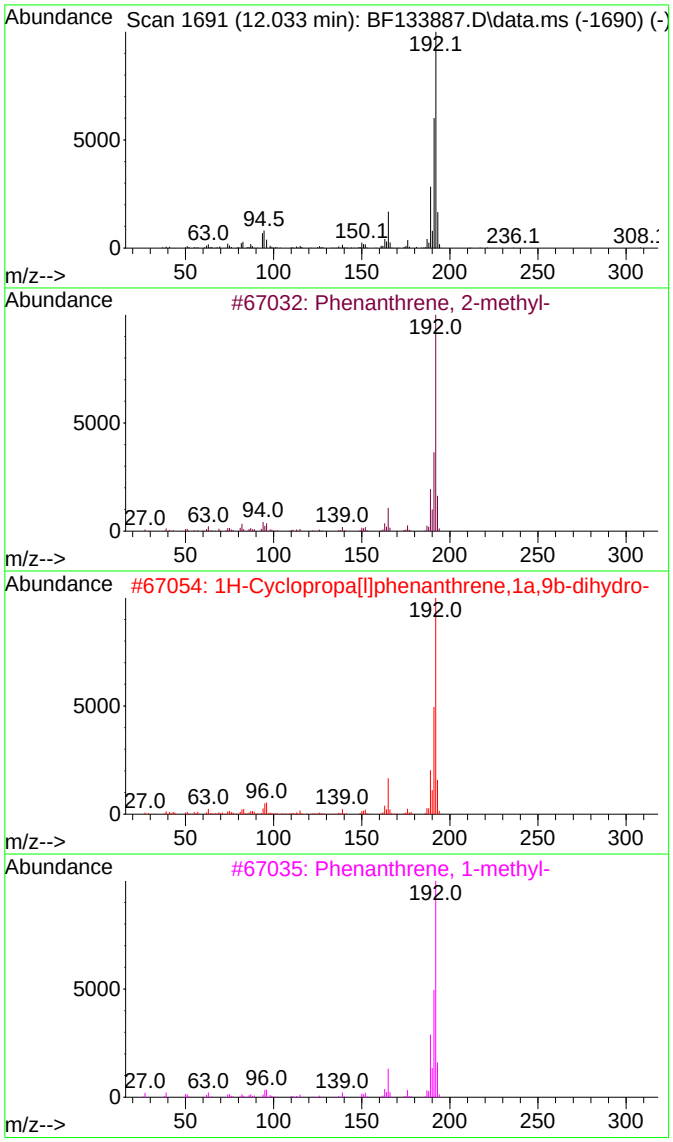
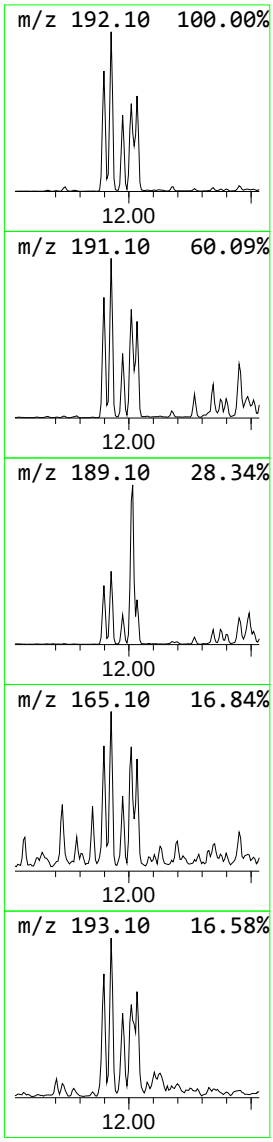
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	13.94 ng	463724	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87





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ALS Vial : 23 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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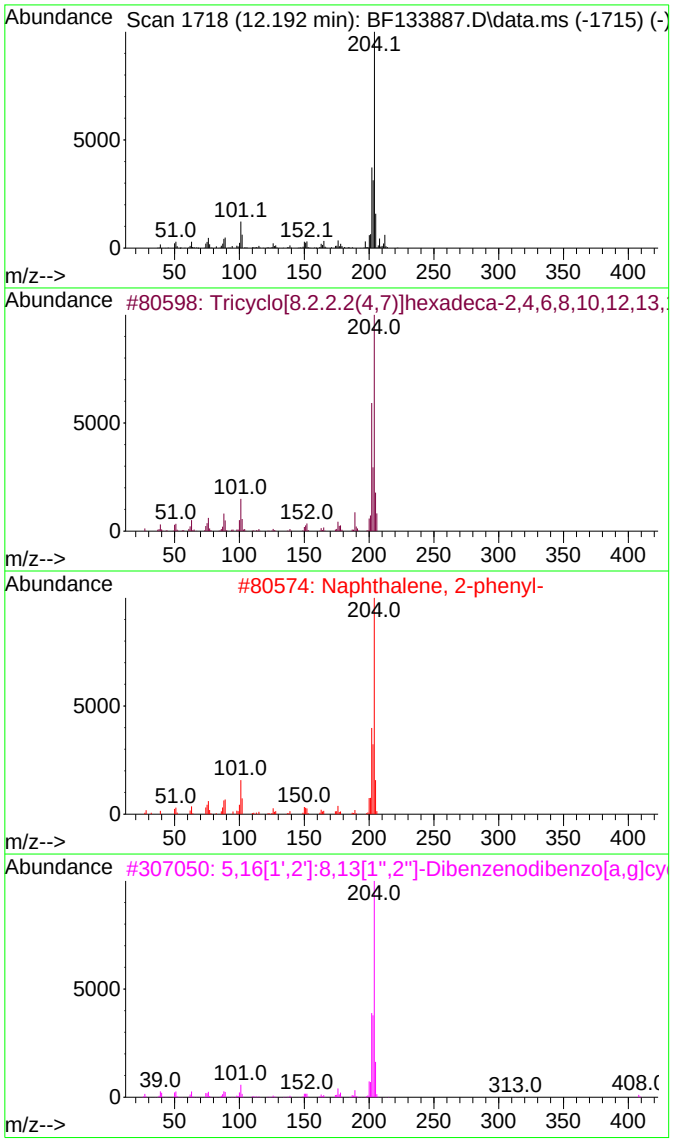
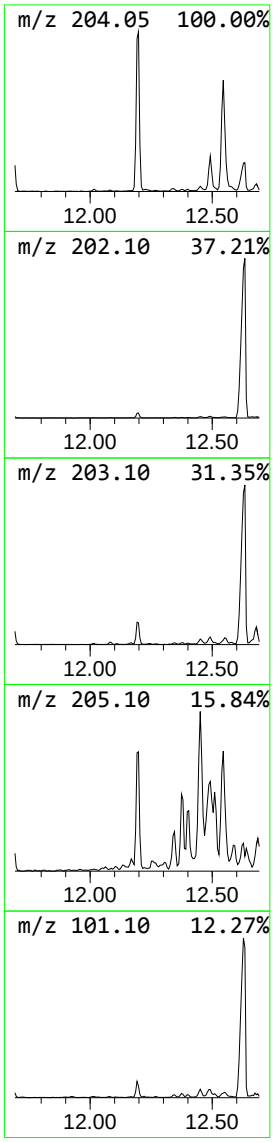
Peak Number 9 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	17.66 ng	587444	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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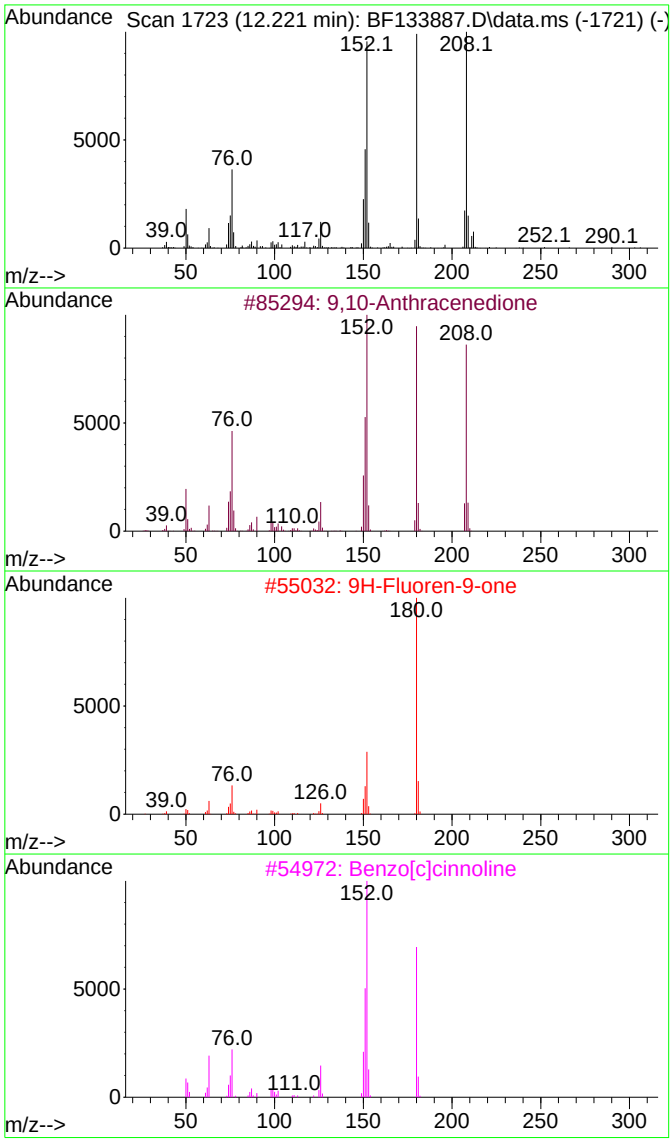
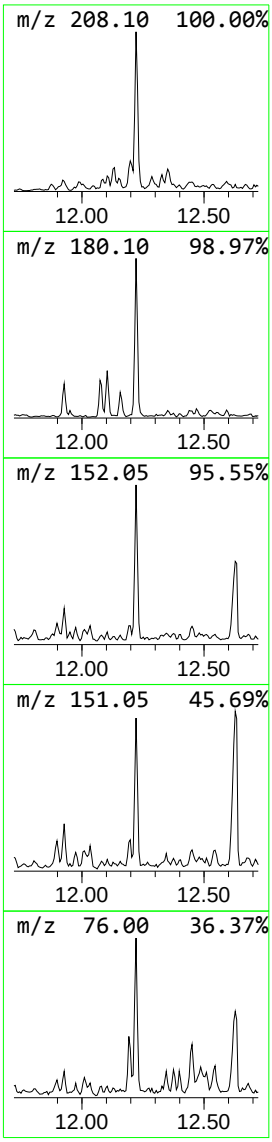
Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.221	10.37 ng	344804	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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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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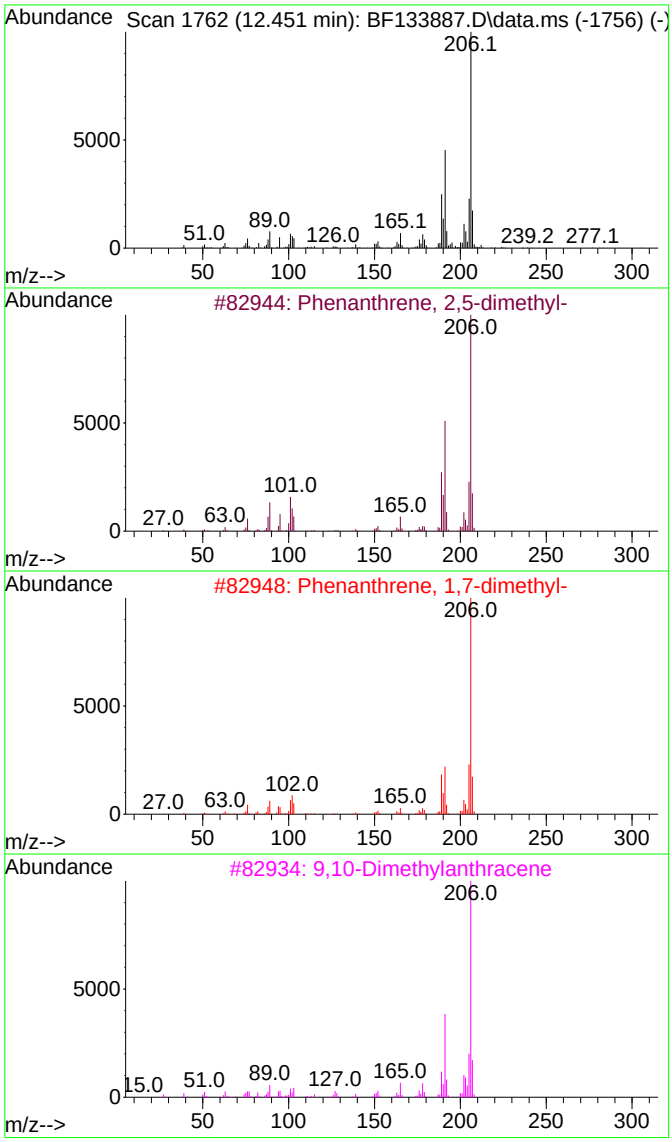
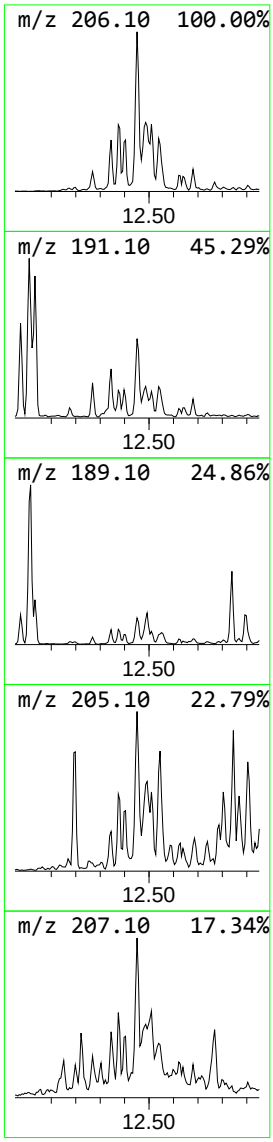
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	22.91 ng	761895	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	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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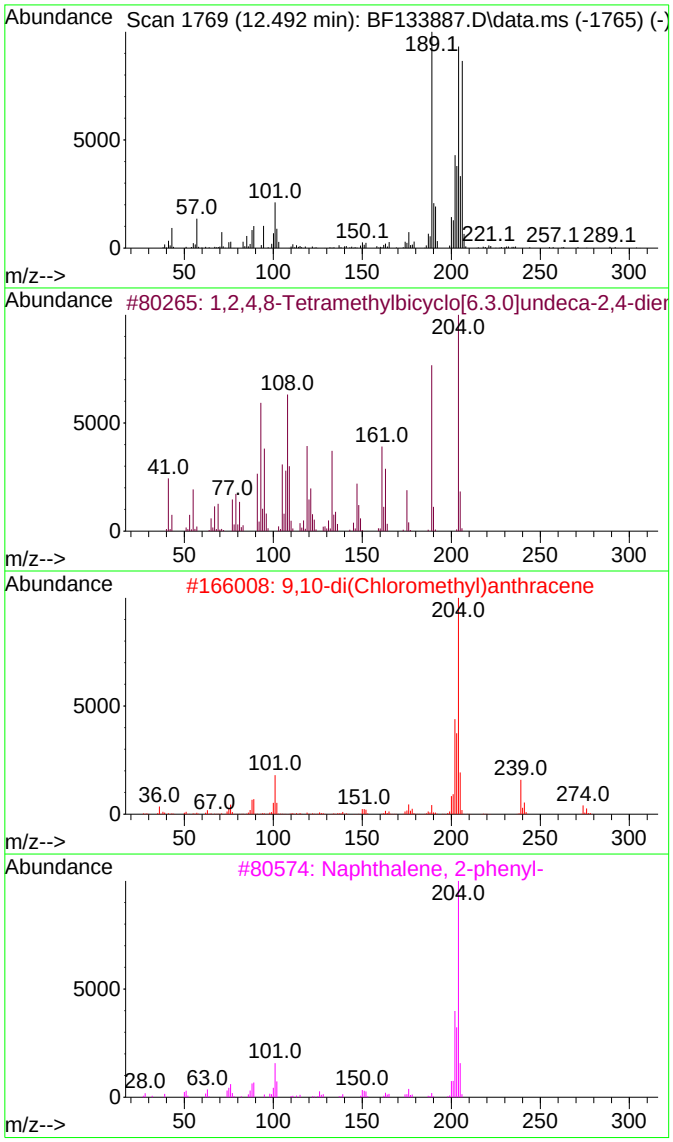
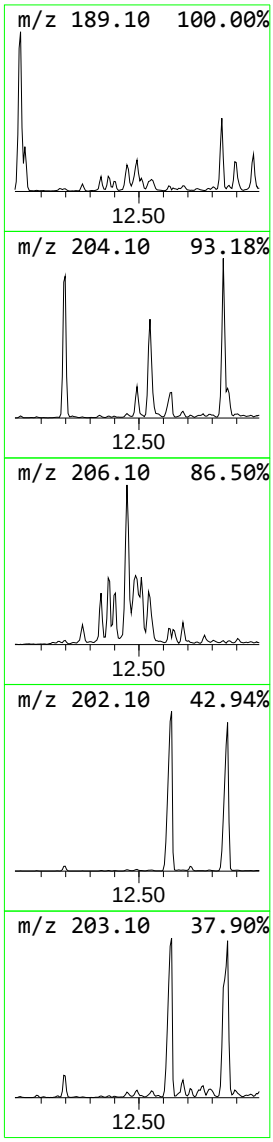
Peak Number 12 unknown12.492 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	16.49 ng	548497	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	4a,8-Dimethyl-2-(prop-1-en-2-yl)...	204	C15H24	103827-22-1	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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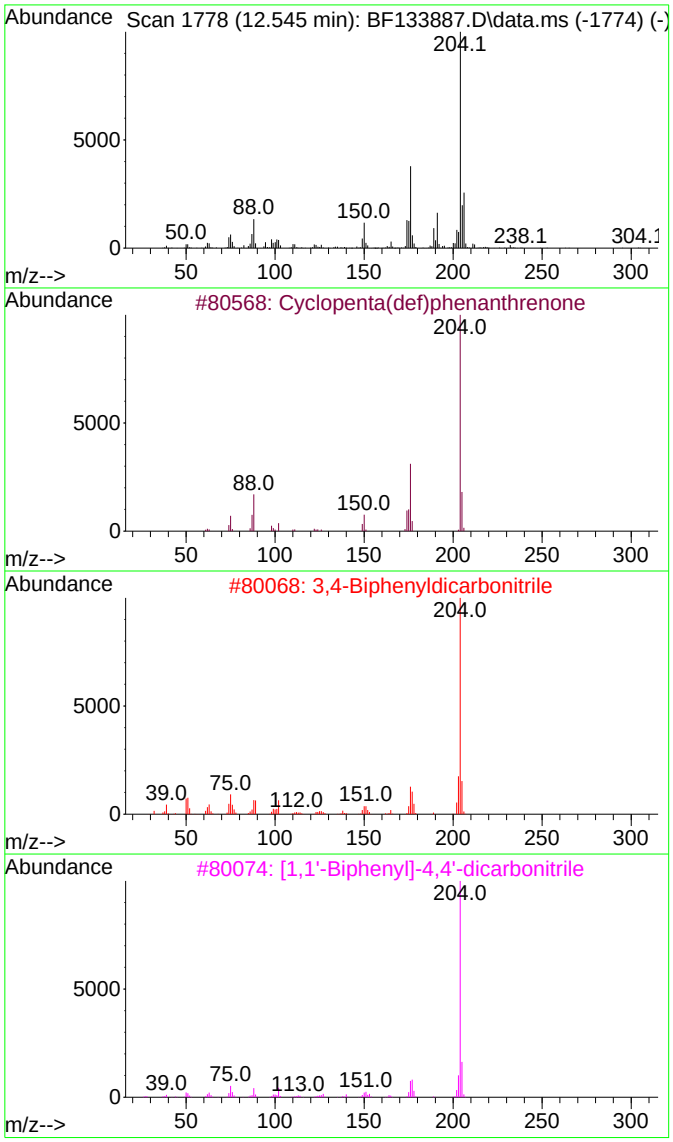
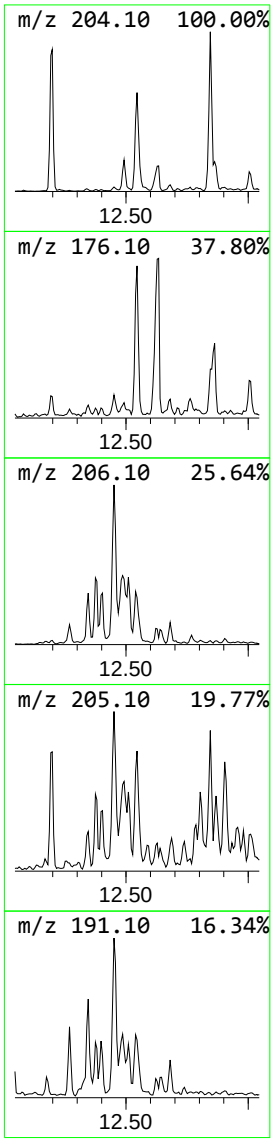
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	19.20 ng	638624	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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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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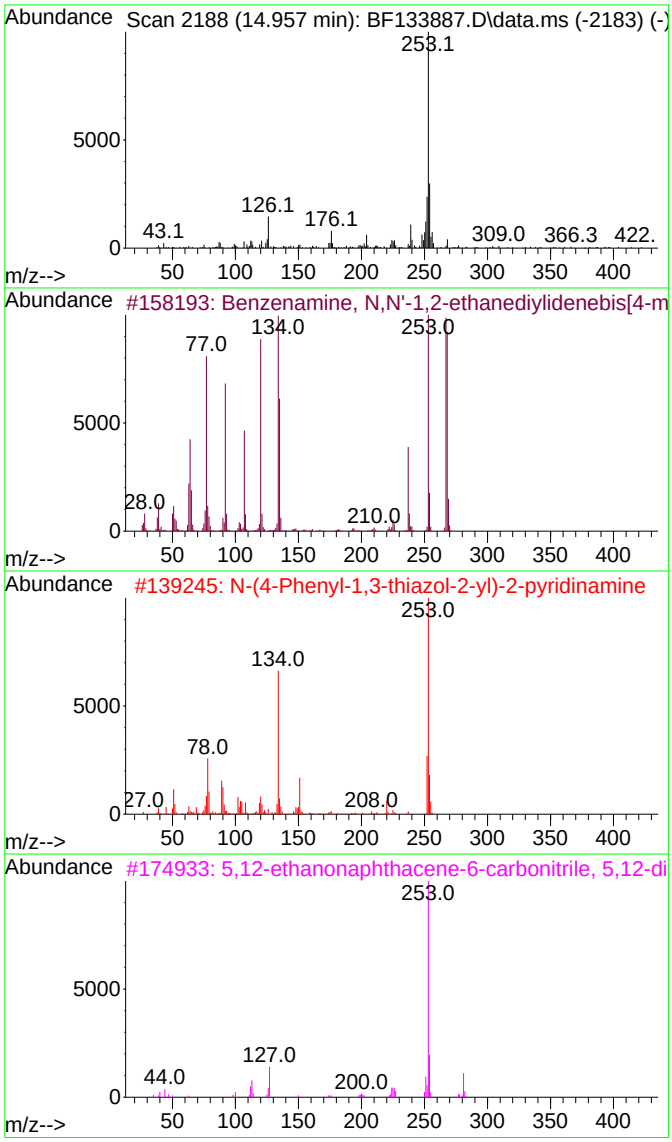
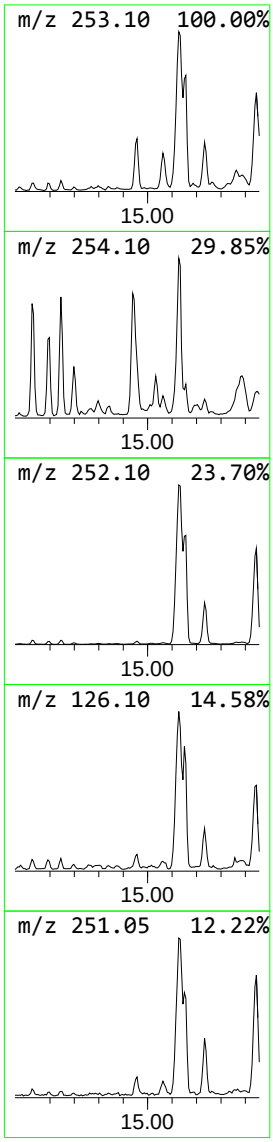
Peak Number 14 unknown14.957 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.957	10.70 ng	207605	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N'-1,2-ethanediyl...	268	C16H16N2O2	024764-91-8	43
2	N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	40
3	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	40
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	40
5	6-Chloro-2-methyl-4-phenyl-quino...	253	C16H12ClN	022609-12-7	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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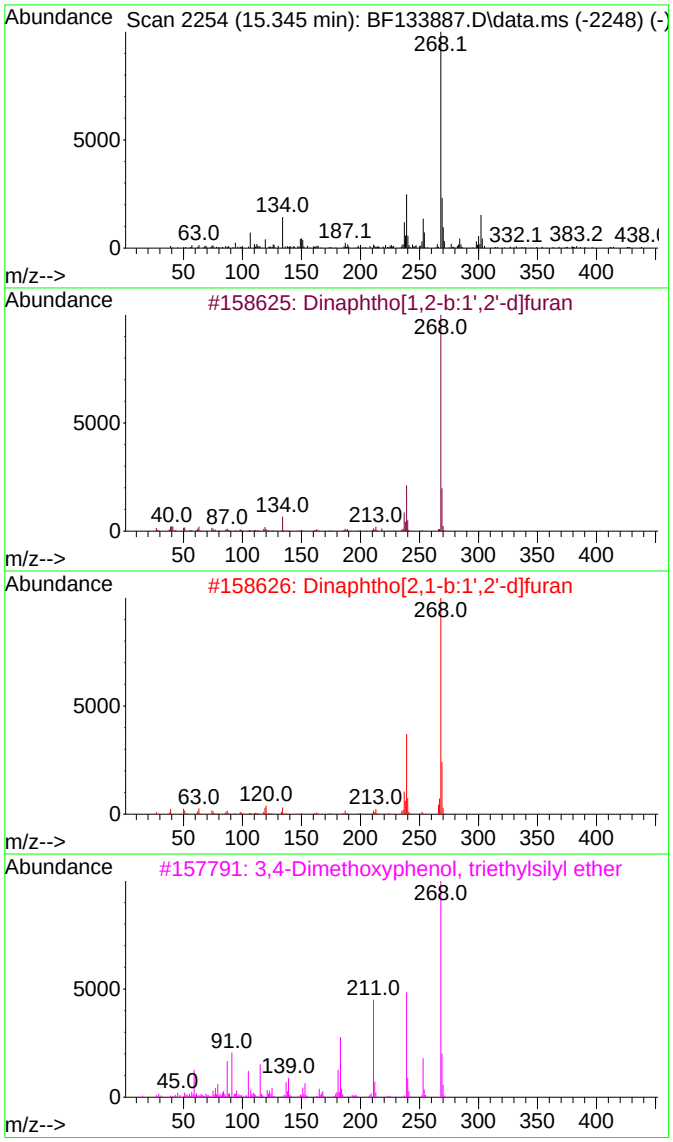
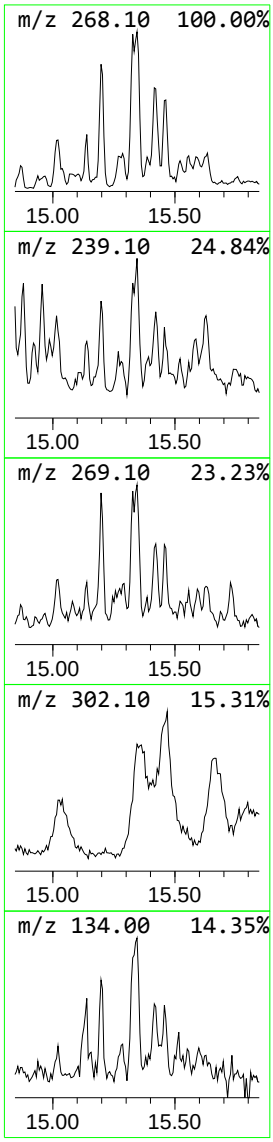
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.345	14.41 ng	279743	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	94
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
3	3,4-Dimethoxyphenol, triethylsil...	268	C14H24O3Si	1000447-39-5	59
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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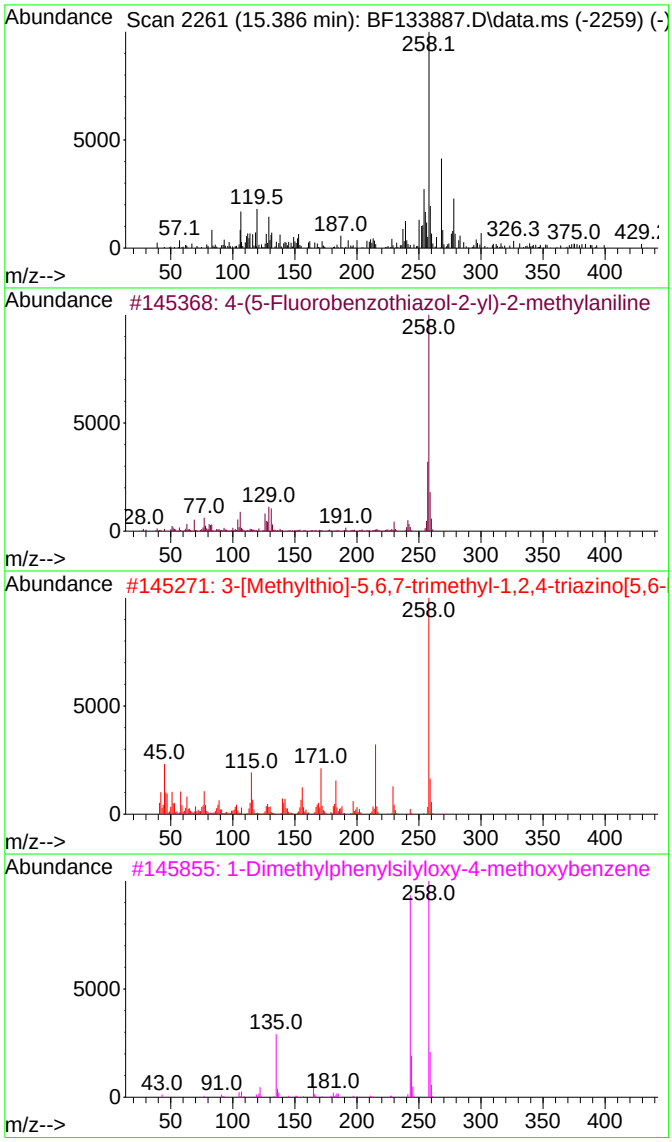
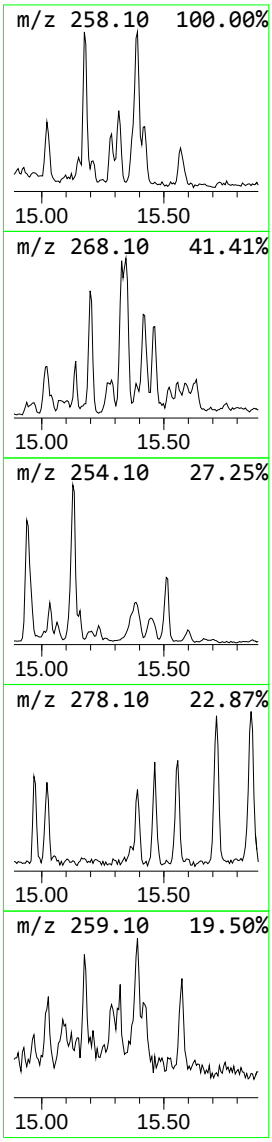
Peak Number 17 unknown15.386 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.386	7.99 ng	155065	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(5-Fluorobenzothiazol-2-yl)-2-...	258	C14H11FN2S	260443-89-8	43
2	3-[Methylthio]-5,6,7-trimethyl-1...	258	C13H14N4S	076273-38-6	38
3	1-Dimethylphenylsilyloxy-4-metho...	258	C15H18O2Si	1000307-90-7	38
4	5-(2,6-Dimethoxyphenyl)-[1,2,5]o...	258	C12H10N4O3	1000487-13-5	38
5	4,5-Dimethoxy-2-biphenylcarboxyl...	258	C15H14O4	162137-38-4	35





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Acq On : 21 Jun 2023 23:50
Operator : CG\JU
Sample : 03289-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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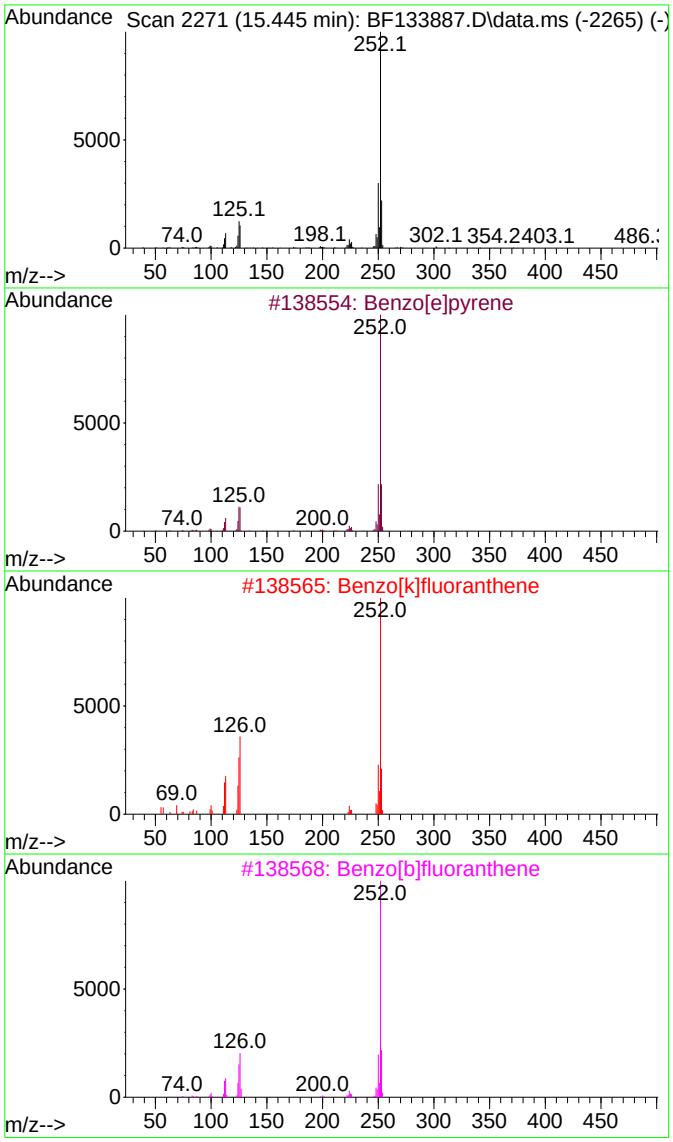
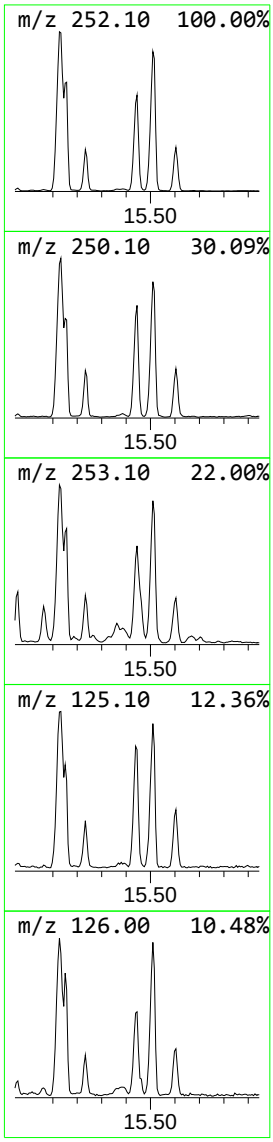
Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.445	70.01 ng	1358820	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133887.D
Acq On : 21 Jun 2023 23:50
Operator : CG\JU
Sample : 03289-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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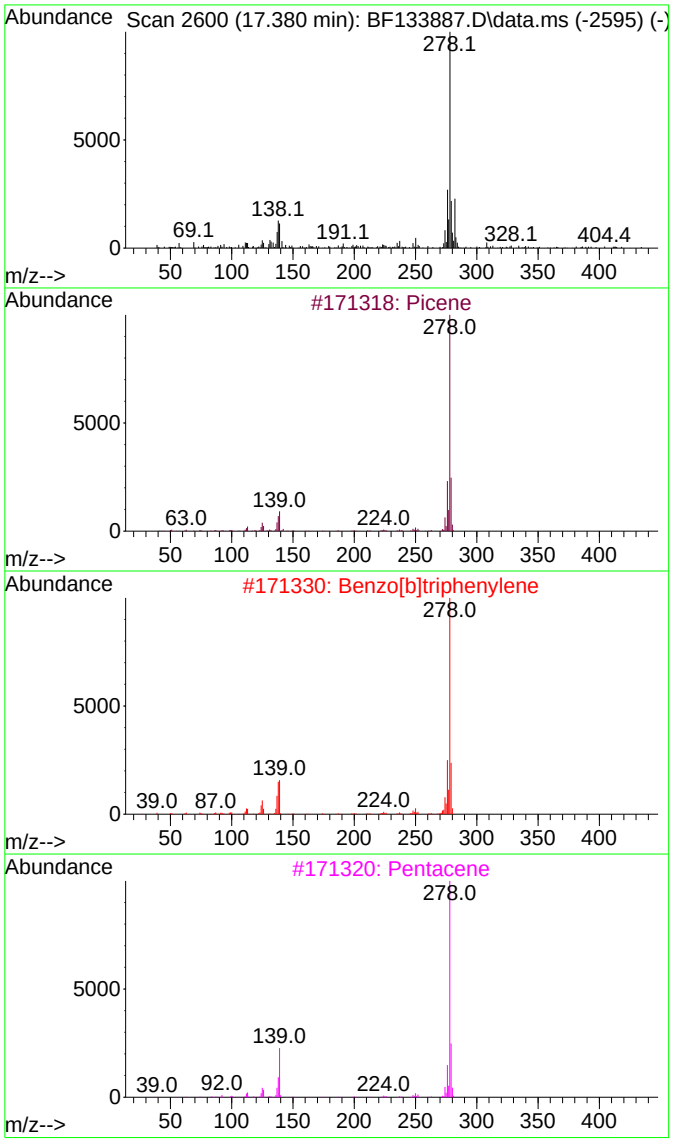
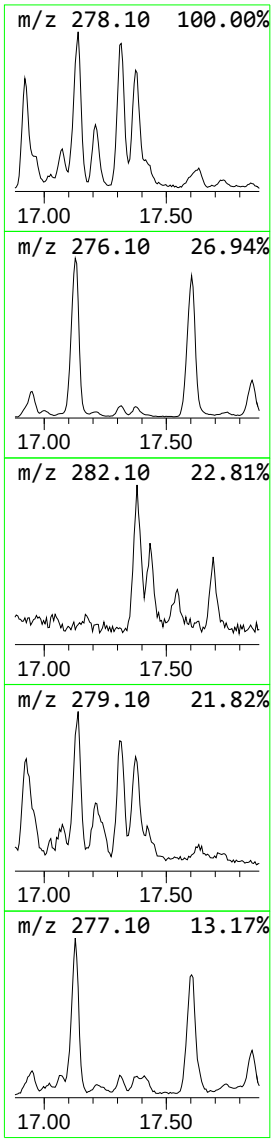
Peak Number 20 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.380	9.76 ng	189503	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
3	Pentacene	278	C22H14	000135-48-8	83
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133887.D
Acq On : 21 Jun 2023 23:50
Operator : CG\JU
Sample : 03289-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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, 1-...	10.998	7.7	ng	256240	4	11.392	665171	20.0
4-(4-Methylphen...	11.239	8.5	ng	283367	4	11.392	665171	20.0
Naphtho[2,1-b]t...	11.286	9.9	ng	327932	4	11.392	665171	20.0
Phenanthrene, 1...	11.898	26.7	ng	886876	4	11.392	665171	20.0
Phenanthrene, 2...	11.927	34.5	ng	1148690	4	11.392	665171	20.0
1H-Cyclopropa[l...	11.974	14.9	ng	493906	4	11.392	665171	20.0
4H-Cyclopenta[d...	12.010	47.8	ng	1588370	4	11.392	665171	20.0
Anthracene, 2-m...	12.033	13.9	ng	463724	4	11.392	665171	20.0
Tricyclo[8.2.2....	12.192	17.7	ng	587444	4	11.392	665171	20.0
9,10-Anthracene...	12.221	10.4	ng	344804	4	11.392	665171	20.0
Phenanthrene, 2...	12.451	22.9	ng	761895	4	11.392	665171	20.0
unknown12.492	12.492	16.5	ng	548497	4	11.392	665171	20.0
Cyclopenta(def)...	12.545	19.2	ng	638624	4	11.392	665171	20.0
unknown14.957	14.957	10.7	ng	207605	6	15.568	388159	20.0
Dinaphtho[1,2-b...	15.345	14.4	ng	279743	6	15.568	388159	20.0
unknown15.386	15.386	8.0	ng	155065	6	15.568	388159	20.0
Benzo[e]pyrene	15.445	70.0	ng	1358820	6	15.568	388159	20.0
Picene	17.380	9.8	ng	189503	6	15.568	388159	20.0