LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134014.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	7	13	20	rVB	1188931	1480407	41.06%	3.413%
2	2.275	26	32	40	rVB	33529	46960	1.30%	0.108%
3	5.093	507	511	519	rBV	73804	94016	2.61%	0.217%
4	5.487	574	578	581	rBV	2441859	2199714	61.01%	5.072%
5	6.487	743	748	751	rBV	2538189	2465865	68.39%	5.685%
6	6.851	806	810	817	rBV	936526	718894	19.94%	1.657%
7	7.410	901	905	909	rBV	1577631	1487250	41.25%	3.429%
8	8.110	1021	1024	1025	rBV	45658	40834	1.13%	0.094%
9	8.128	1025	1027	1029	rVV	880520	737945	20.47%	1.701%
10	8.151	1029	1031	1036	rVV	531330	406228	11.27%	0.937%
11	8.487	1083	1088	1095	rBV2	31230	42947	1.19%	0.099%
12	8.722	1125	1128	1132	rBV	50730	44424	1.23%	0.102%
13	8.845	1146	1149	1153	rBV	252431	199736	5.54%	0.460%
14	8.945	1162	1166	1169	rVB	147512	132807	3.68%	0.306%
15	9.210	1207	1211	1214	rBV	2870848	2453854	68.05%	5.657%
16	9.287	1221	1224	1226	rBV	63073	49711	1.38%	0.115%
17	9.310	1226	1228	1233	rVB	54359	46605	1.29%	0.107%
18	9.469	1251	1255	1260	rBV2	46007	61659	1.71%	0.142%
19	9.545	1265	1268	1270	rBV	87950	81270	2.25%	0.187%
20	9.663	1286	1288	1294	rVB	44114	43339	1.20%	0.100%
21	9.751	1300	1303	1306	rBV	161203	149713	4.15%	0.345%
22	9.816	1312	1314	1317	rVB	57372	39587	1.10%	0.091%
23	9.886	1323	1326	1329	rVB	813294	673576	18.68%	1.553%
24	9.922	1329	1332	1336	rVB	186265	149535	4.15%	0.345%
25	10.092	1357	1361	1365	rVV	170795	146158	4.05%	0.337%
26	10.204	1377	1380	1383	rBV2	36323	37978	1.05%	0.088%
27	10.439	1416	1420	1425	rVB	233346	206176	5.72%	0.475%
28	10.604	1444	1448	1456	rVB2	355447	329380	9.13%	0.759%
29	10.681	1457	1461	1466	rBV	1340470	1137540	31.55%	2.623%
30	10.804	1477	1482	1486	rVB2	57490	85146	2.36%	0.196%
31	10.992	1507	1514	1516	rBV3	54658	79937	2.22%	0.184%
32	11.116	1530	1535	1537	rBV3	40931	50856	1.41%	0.117%
33	11.139	1537	1539	1544	rVV4	47934	55190	1.53%	0.127%
34	11.186	1544	1547	1551	rVV	84061	76624	2.13%	0.177%
35	11.245	1551	1557	1559	rVV4	52765	90452	2.51%	0.209%
36	11.281	1559	1563	1568	rVB	100053	108776	3.02%	0.251%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.381	1577	1580	1582	rBV	590626	569640	15.80%	1.313%
38	11.410	1582	1585	1588	rVV	1725773	1441122	39.97%	3.323%
39	11.457	1590	1593	1596	rVV	502806	442371	12.27%	1.020%
40	11.492	1596	1599	1602	rVB2	67013	70228	1.95%	0.162%
41	11.616	1614	1620	1627	rBV2	184994	239687	6.65%	0.553%
42	11.680	1628	1631	1635	rVV2	79135	80412	2.23%	0.185%
43	11.716	1635	1637	1642	rVB3	51335	52224	1.45%	0.120%
44	11.886	1662	1666	1669	rBV	219426	231708	6.43%	0.534%
45	11.916	1669	1671	1675	rVB	375003	311599	8.64%	0.718%
46	11.963	1676	1679	1682	rVB	130168	109919	3.05%	0.253%
47	12.004	1682	1686	1688	rBV2	452361	491069	13.62%	1.132%
48	12.092	1698	1701	1703	rVB2	33064	41217	1.14%	0.095%
49	12.186	1714	1717	1719	rBV	203137	156833	4.35%	0.362%
50	12.210	1719	1721	1725	rVB	141274	123970	3.44%	0.286%
51	12.333	1740	1742	1745	rBV	65023	55373	1.54%	0.128%
52	12.369	1745	1748	1750	rVV	54150	46041	1.28%	0.106%
53	12.392	1750	1752	1754	rVB	55266	43263	1.20%	0.100%
54	12.439	1757	1760	1764	rBV	150714	183181	5.08%	0.422%
55	12.480	1764	1767	1769	rVV	114040	121004	3.36%	0.279%
56	12.527	1772	1775	1780	rVV2	146187	168549	4.67%	0.389%
57	12.616	1785	1790	1793	rBV	3168664	3279643	90.96%	7.561%
58	12.669	1797	1799	1802	rVV	65929	58749	1.63%	0.135%
59	12.698	1802	1804	1807	rVV	75834	68203	1.89%	0.157%
60	12.757	1807	1814	1818	rVV2	156793	263429	7.31%	0.607%
61	12.845	1822	1829	1833	rVV2	3036020	3605767	100.00%	8.313%
62	12.886	1833	1836	1840	rVB2	134312	160581	4.45%	0.370%
63	12.957	1845	1848	1849	rBV	183608	150924	4.19%	0.348%
64	12.980	1849	1852	1859	rVB	2159561	2067184	57.33%	4.766%
65	13.057	1860	1865	1869	rBV3	178784	314364	8.72%	0.725%
66	13.145	1876	1880	1881	rBV3	144893	165157	4.58%	0.381%
67	13.169	1881	1884	1887	rVB2	448487	421488	11.69%	0.972%
68	13.210	1887	1891	1893	rBV4	70838	103362	2.87%	0.238%
69	13.233	1893	1895	1898	rVV	361464	293450	8.14%	0.677%
70	13.274	1898	1902	1904	rVV2	254412	296991	8.24%	0.685%
71	13.298	1904	1906	1909	rVB	92088	81001	2.25%	0.187%
72	13.327	1909	1911	1913	rBV	74647	57862	1.60%	0.133%
73	13.363	1915	1917	1920	rVB	127190	114936	3.19%	0.265%
74	13.398	1920	1923	1926	rBV2	144566	152953	4.24%	0.353%
75	13.557	1948	1950	1952	rBV2	53316	49061	1.36%	0.113%
76	13.651	1964	1966	1968	rBV	55183	58263	1.62%	0.134%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.680	1968	1971	1975	rVB	167564	187508	5.20%	0.432%
78	13.792	1986	1990	1992	rBV2	225497	251269	6.97%	0.579%
79	13.822	1992	1995	1997	rVV	237219	235194	6.52%	0.542%
80	13.845	1997	1999	2004	rVV2	222927	318821	8.84%	0.735%
81	13.892	2004	2007	2013	rVB	277947	350866	9.73%	0.809%
82	14.039	2025	2032	2036	rBV2	1496511	2222350	61.63%	5.124%
83	14.074	2036	2038	2043	rVB	1296030	1079363	29.93%	2.489%
84	14.151	2049	2051	2054	rBV	239271	181106	5.02%	0.418%
85	14.304	2075	2077	2079	rBV3	48556	39721	1.10%	0.092%
86	14.433	2097	2099	2102	rVB	186305	166882	4.63%	0.385%
87	14.469	2102	2105	2109	rVB2	96624	92912	2.58%	0.214%
88	14.533	2111	2116	2118	rVV3	98790	176143	4.89%	0.406%
89	14.563	2118	2121	2122	rVV	120990	124362	3.45%	0.287%
90	14.580	2122	2124	2127	rVB3	126994	117395	3.26%	0.271%
91	14.751	2151	2153	2156	rBV2	56762	49623	1.38%	0.114%
92	14.833	2165	2167	2171	rBV3	55288	55383	1.54%	0.128%
93	15.110	2209	2214	2217	rBV	807970	1245275	34.54%	2.871%
94	15.221	2230	2233	2237	rVB	157690	163675	4.54%	0.377%
95	15.427	2264	2268	2274	rVB	488958	657809	18.24%	1.517%
96	15.492	2274	2279	2285	rVV	749892	942728	26.15%	2.173%
97	15.557	2286	2290	2292	rVV	241945	320341	8.88%	0.739%
98	15.586	2292	2295	2302	rVB	238655	348993	9.68%	0.805%
99	17.104	2547	2553	2561	rVB2	285058	581690	16.13%	1.341%
100	17.574	2627	2633	2644	rVB2	203672	470542	13.05%	1.085%

Sum of corrected areas: 43373818

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
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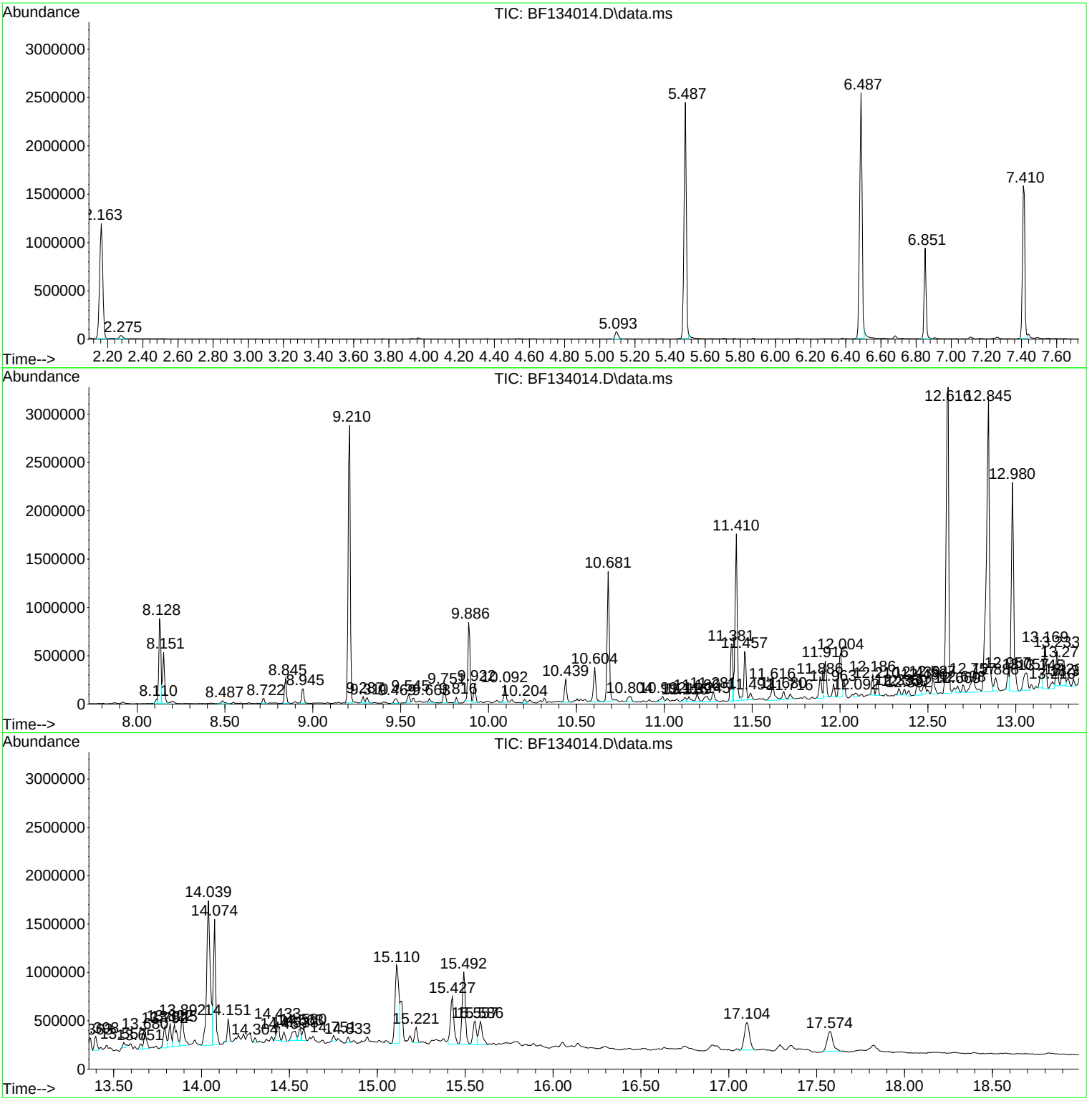
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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\BF062723\
Data File : BF134014.D
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Instrument :
BNA_F
ClientSampleId :
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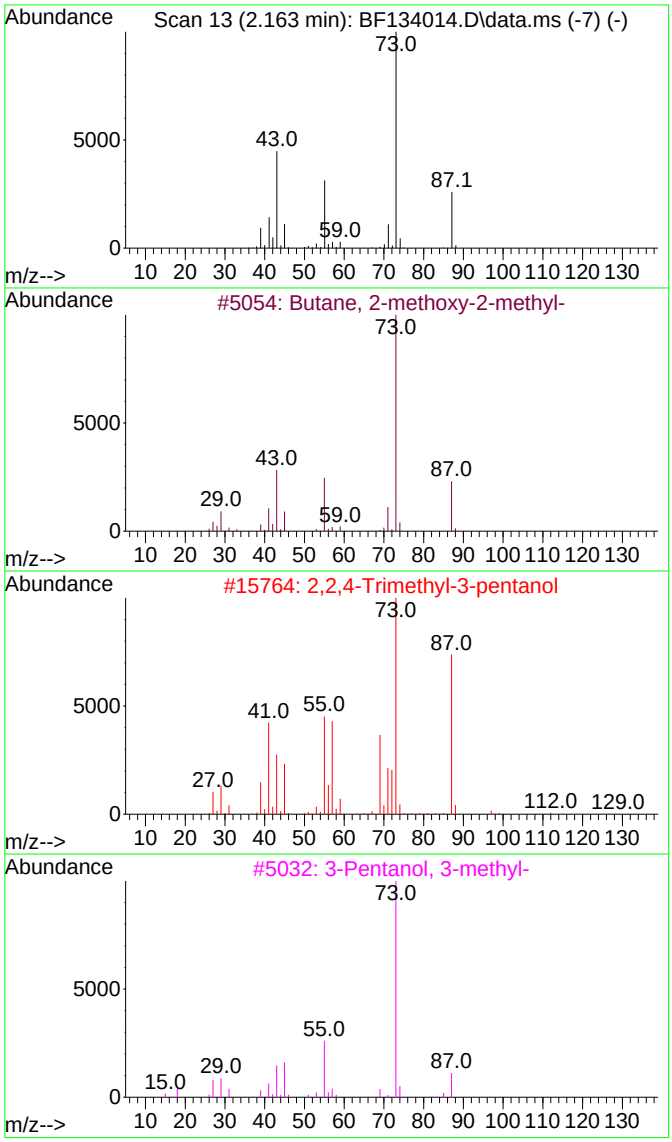
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

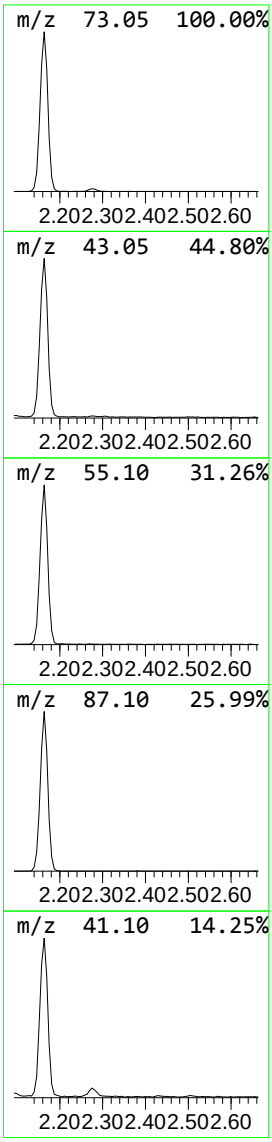
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	41.19 ng	1480410	1,4-Dichlorobenzene-d4	6.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	38
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

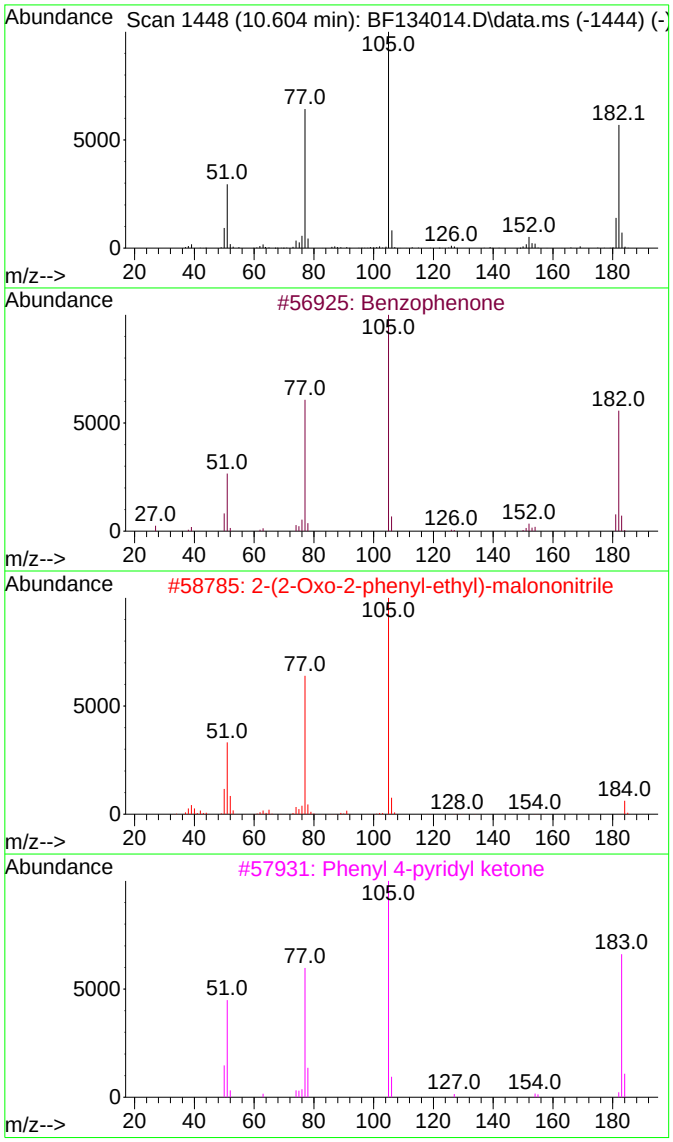
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

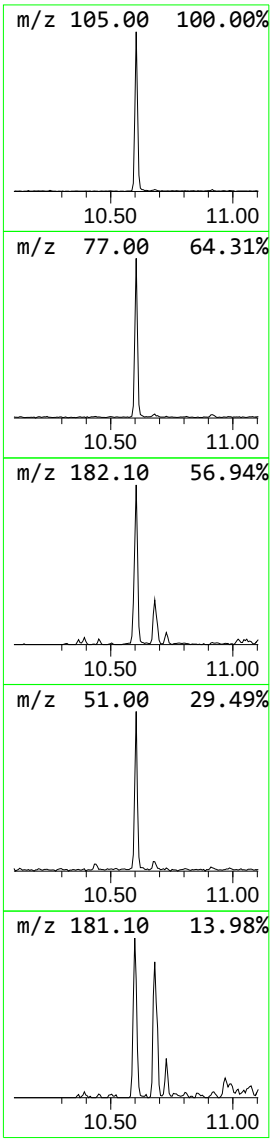
****

Peak Number 2 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.604	9.78 ng	329380	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
3	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
5	Isopropyl phenyl ketone	148	C10H12O	000611-70-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
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Instrument :
BNA_F
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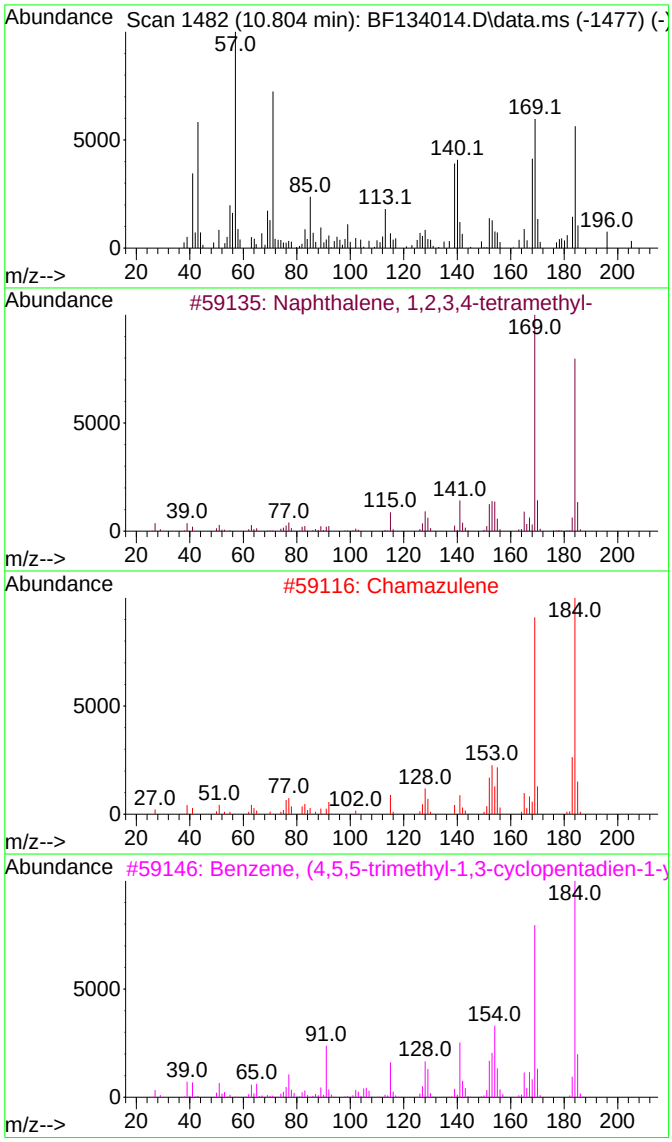
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

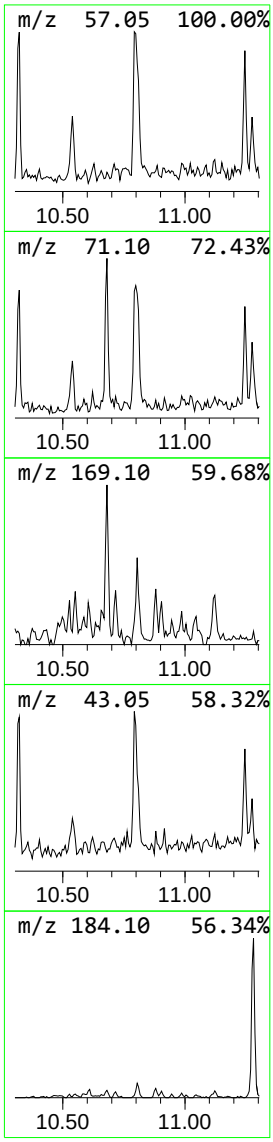
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,2,3,4-tetram... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.804	2.99 ng	85146	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	70
2	Chamazulene	184	C14H16	000529-05-5	55
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	52
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	42
5	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

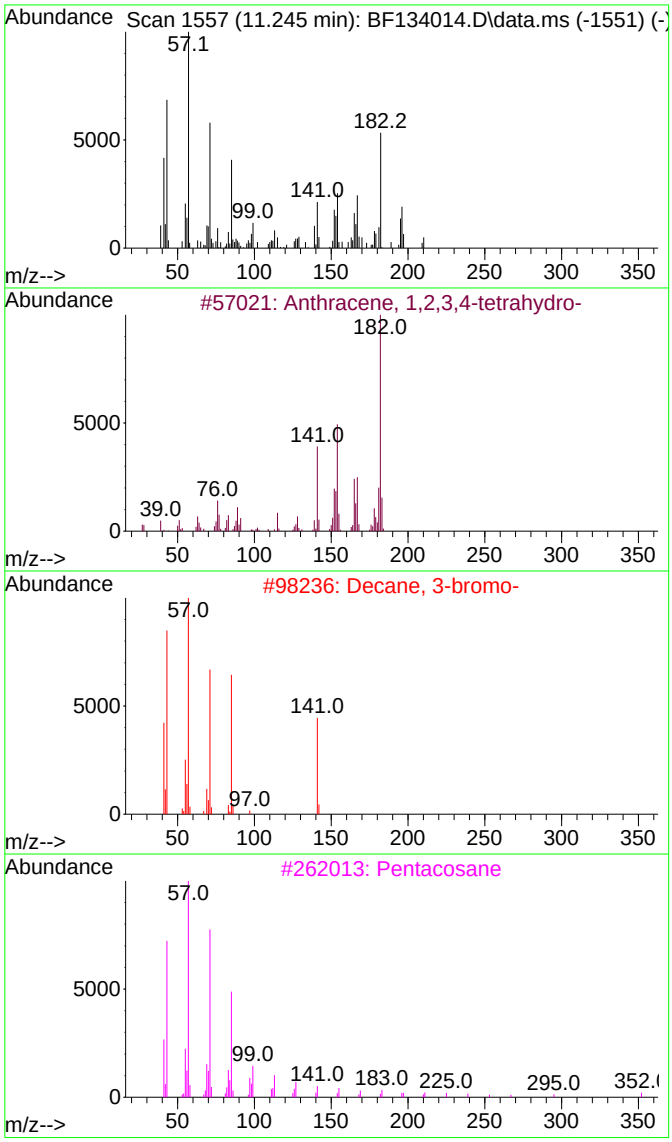
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

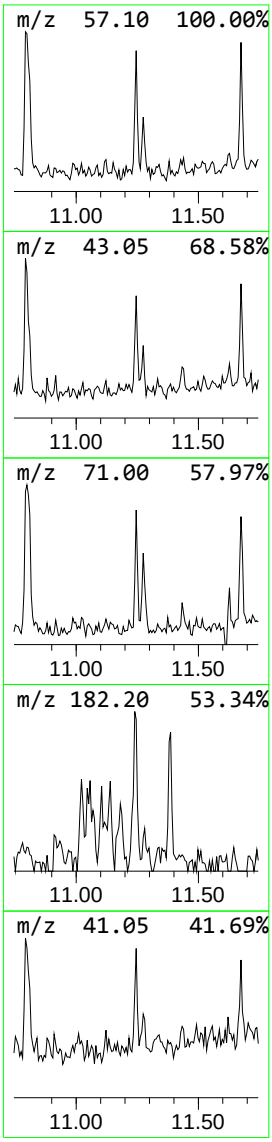
****

Peak Number 4 unknown11.245 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	3.18 ng	90452	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	46
2	Decane, 3-bromo-	220	C10H21Br	030571-71-2	38
3	Pentacosane	352	C25H52	000629-99-2	30
4	Dodecane	170	C12H26	000112-40-3	25
5	Octadecane	254	C18H38	000593-45-3	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

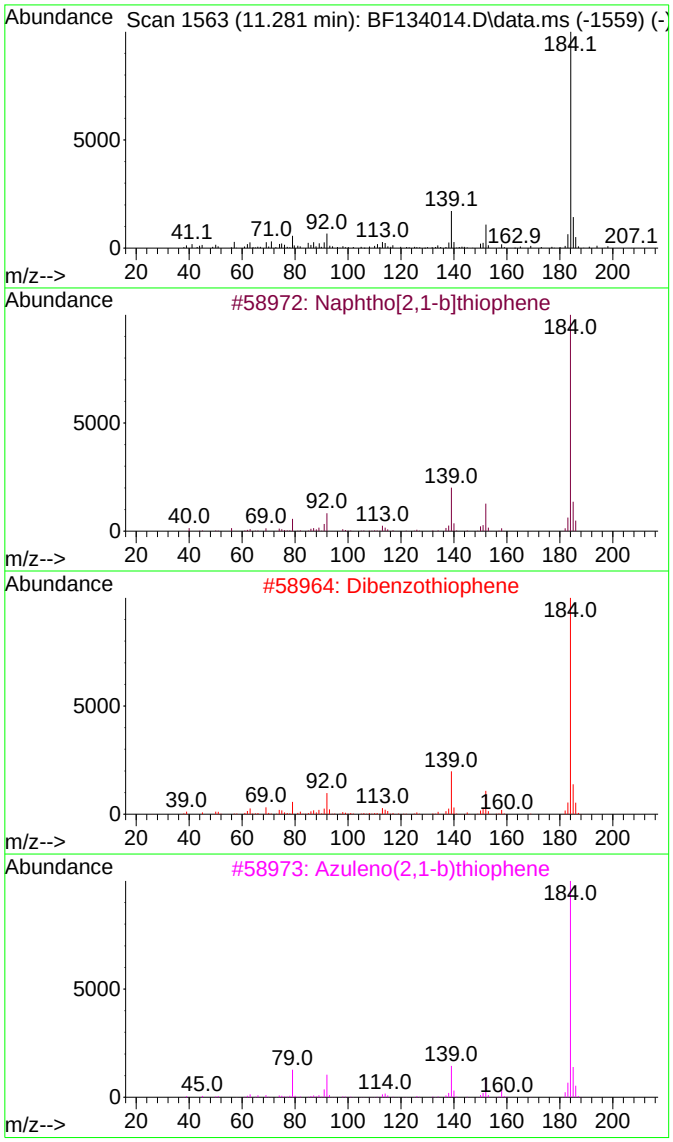
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

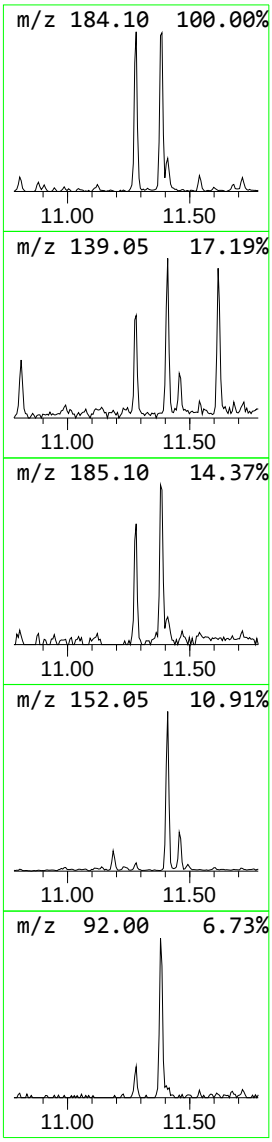
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.281	3.82 ng	108776	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





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Sample : 03361-13
Misc :
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ClientSampleId :
COMPOSIT-SB-21-23

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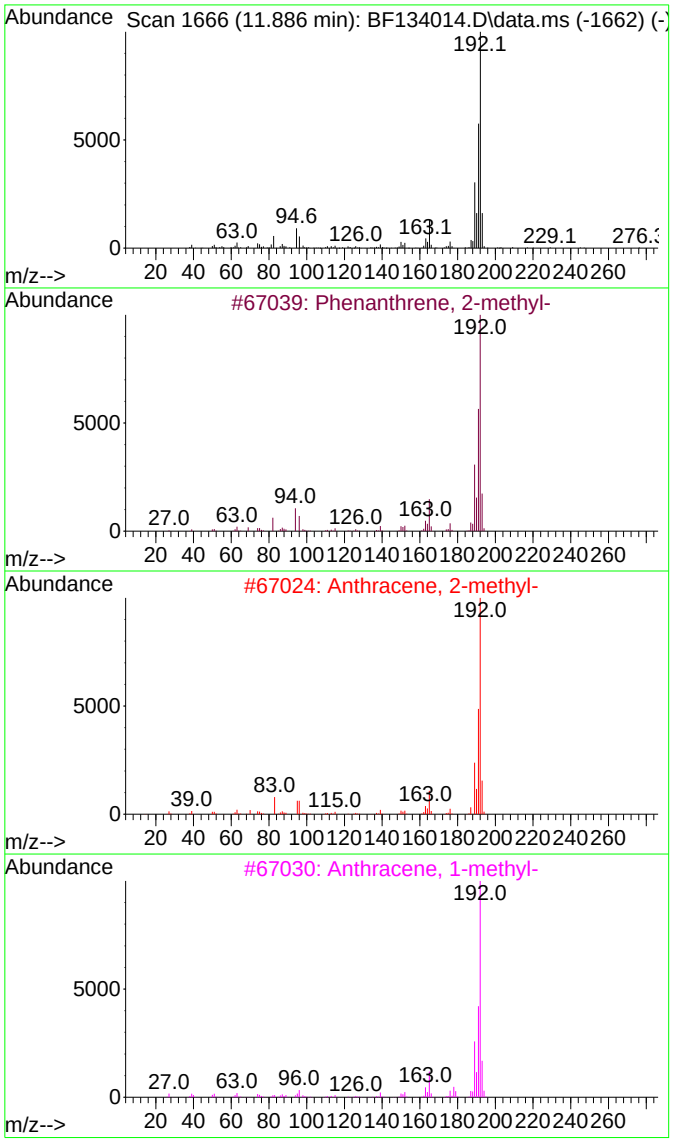
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

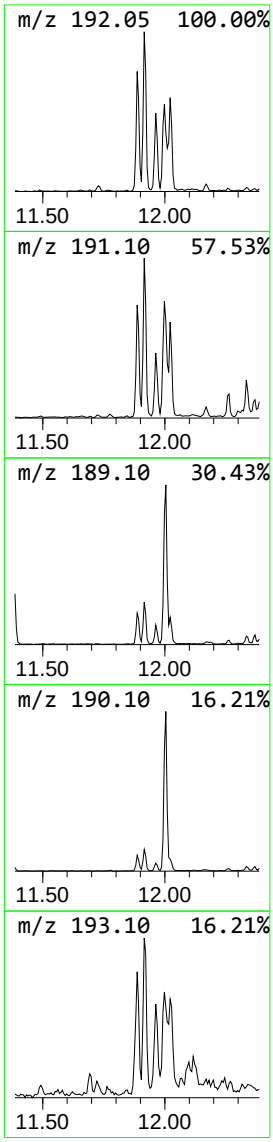
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	8.14 ng	231708	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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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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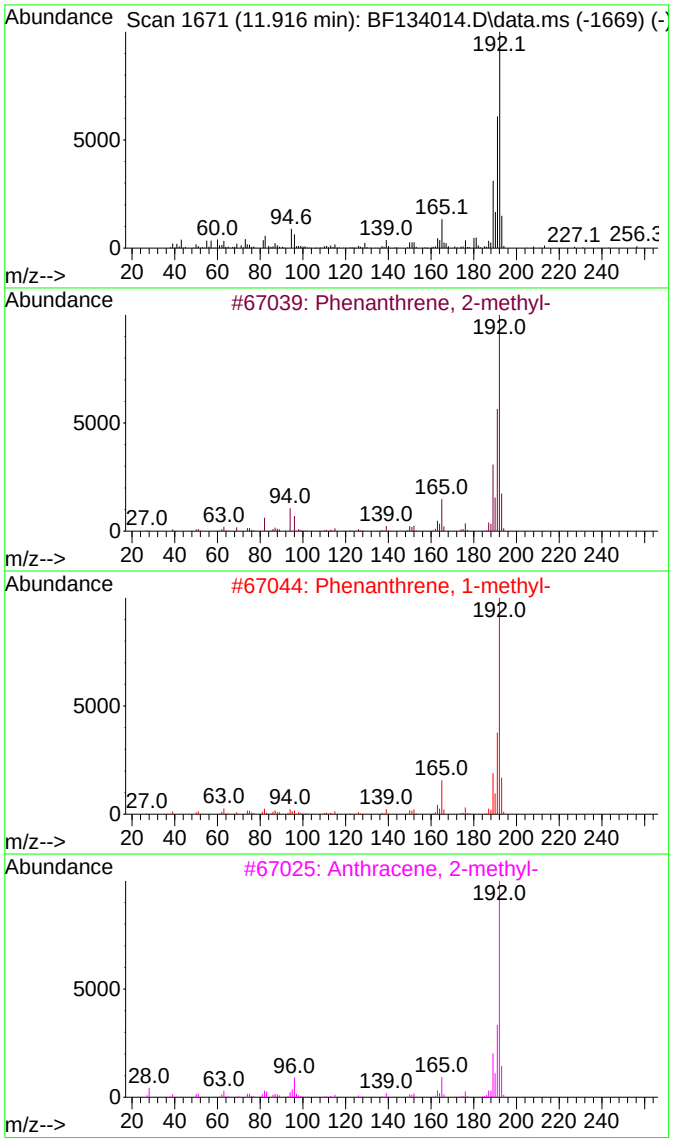
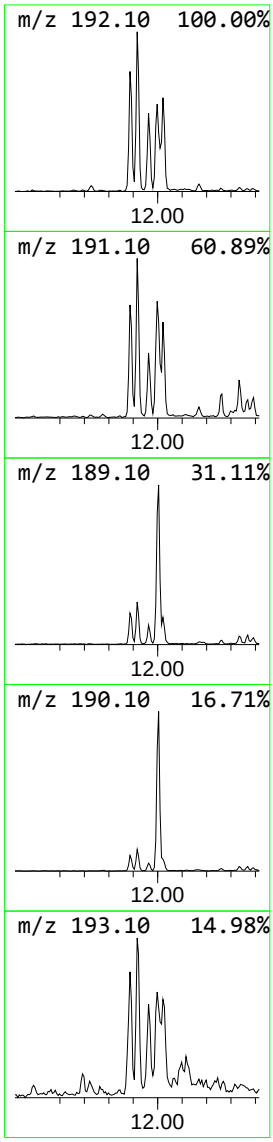
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	10.94 ng	311599	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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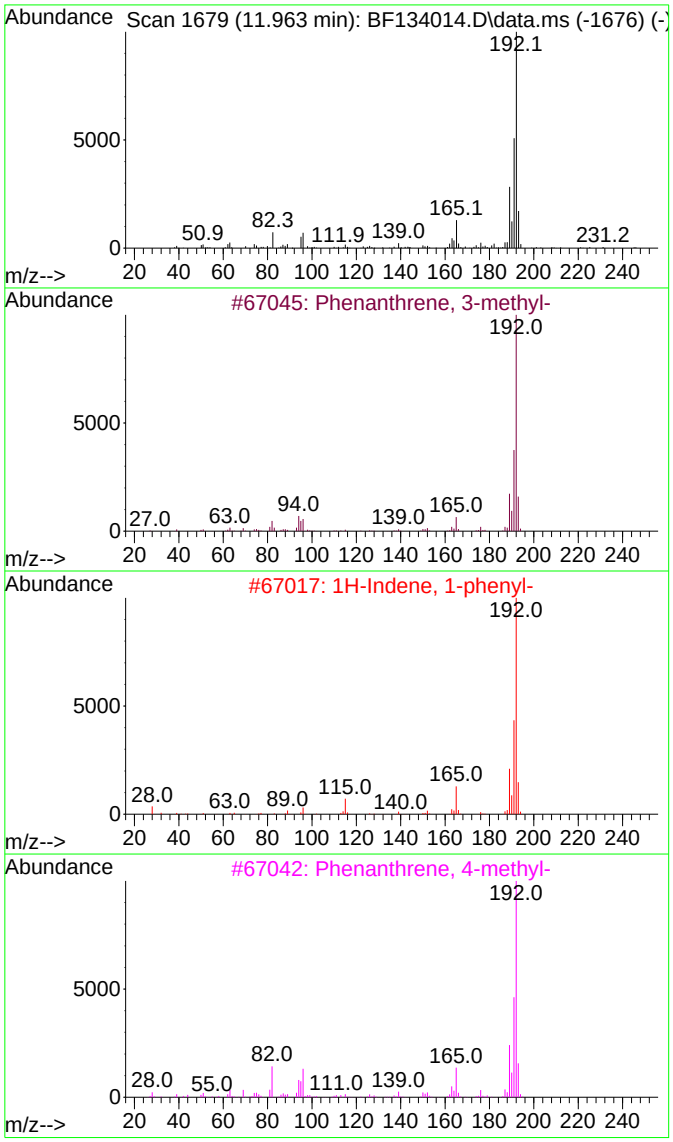
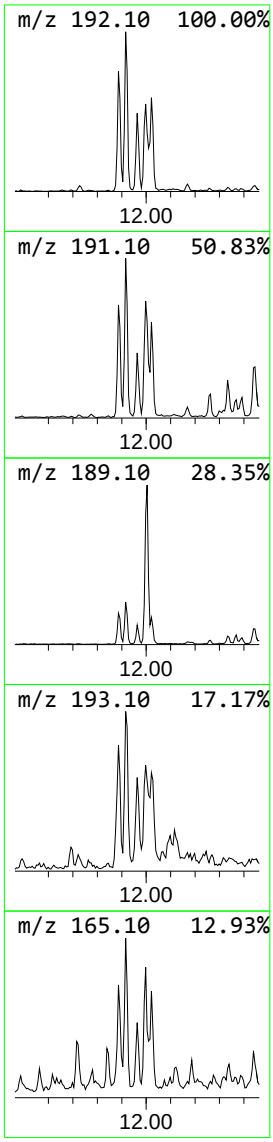
Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	3.86 ng	109919	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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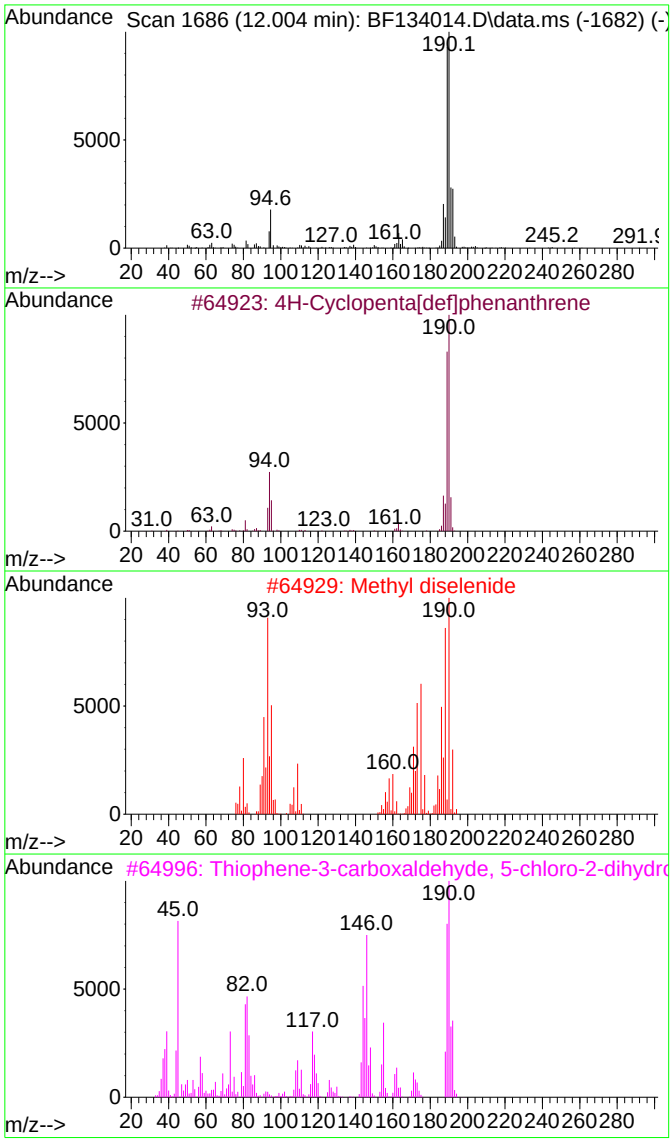
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

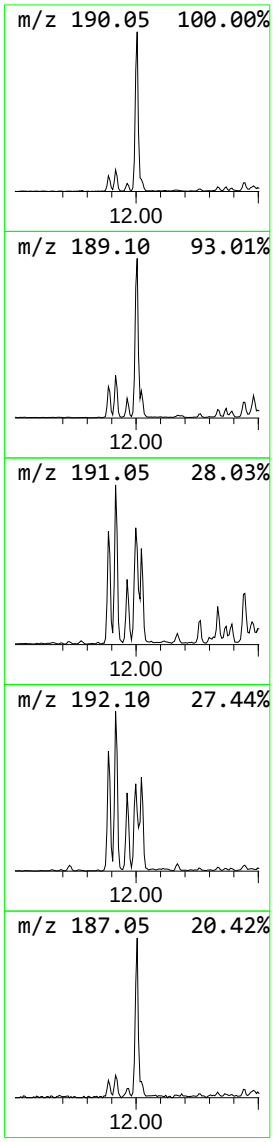
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	17.24 ng	491069	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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

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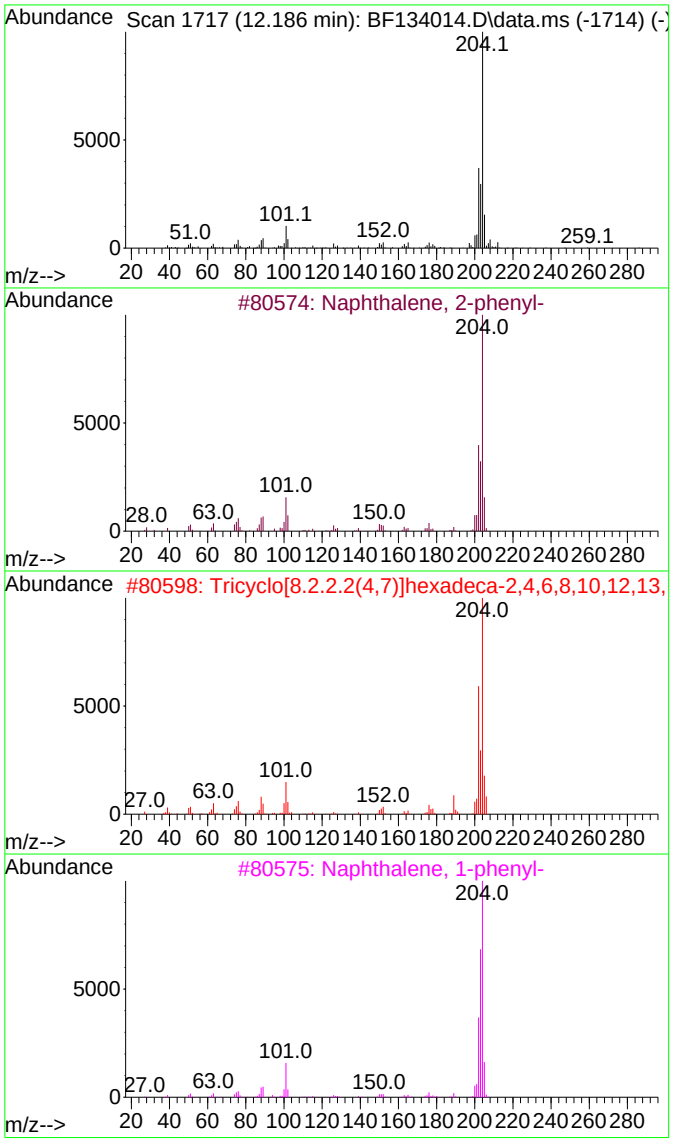
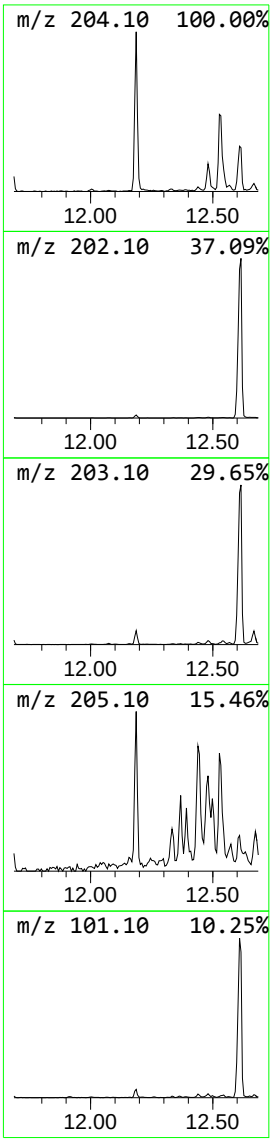
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	5.51 ng	156833	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	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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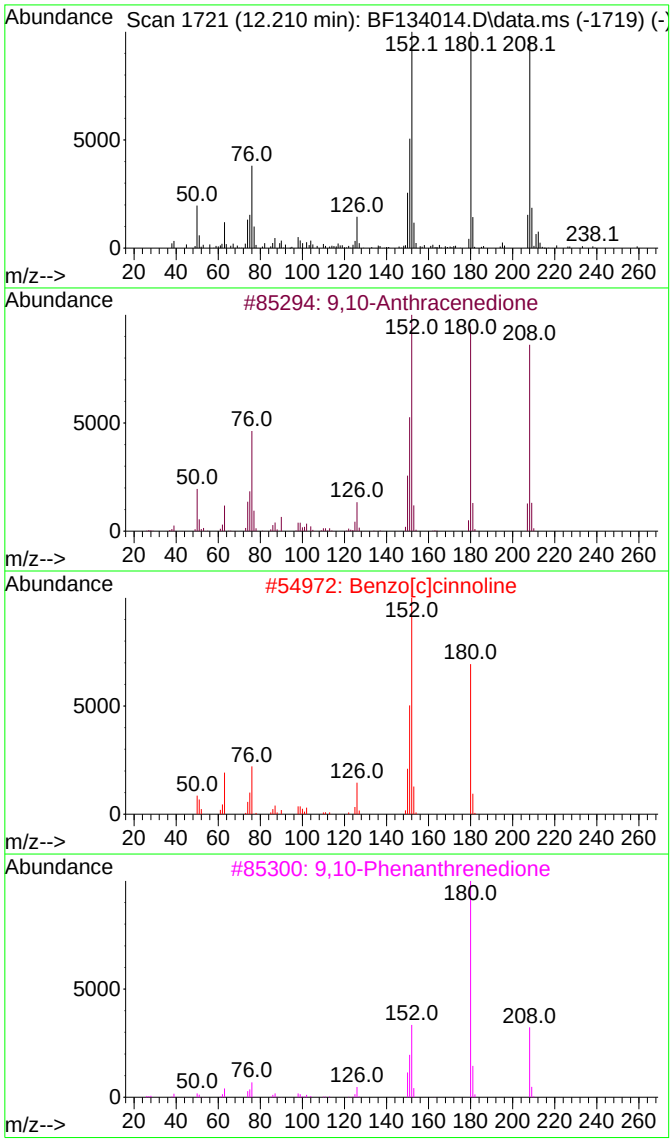
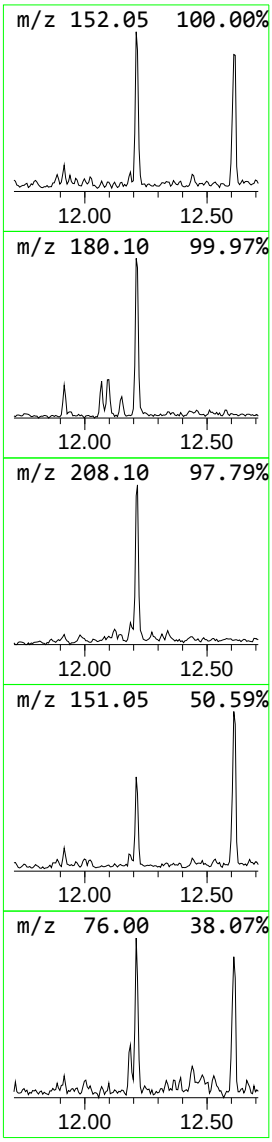
Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	4.35 ng	123970	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78
4	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	72
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62





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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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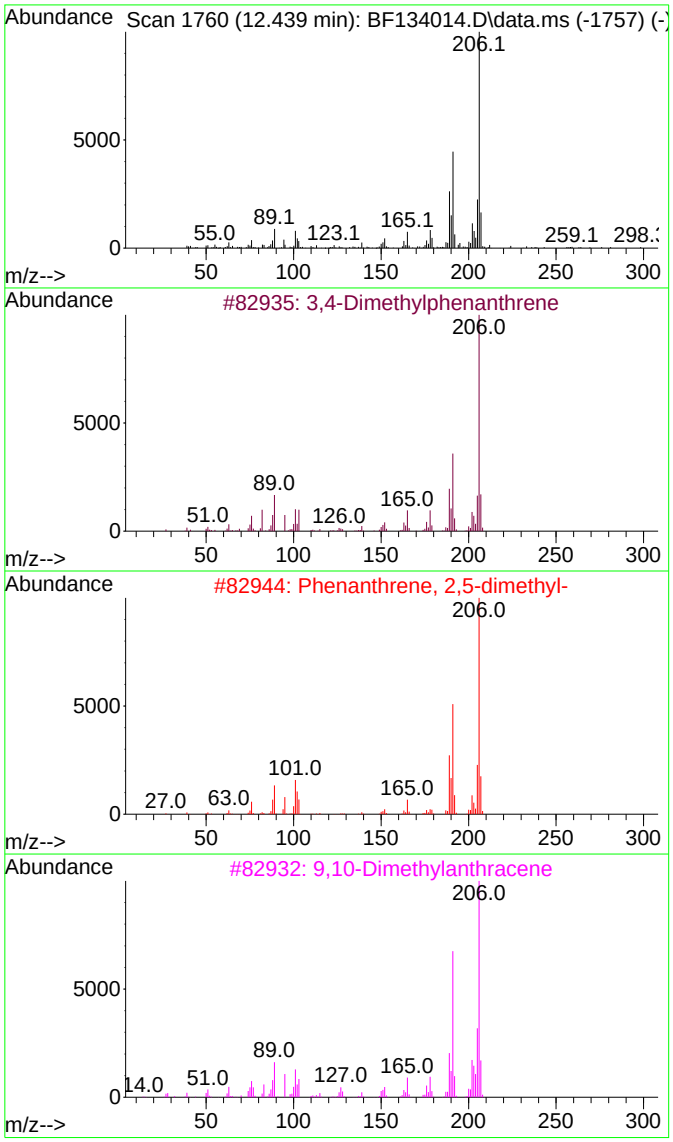
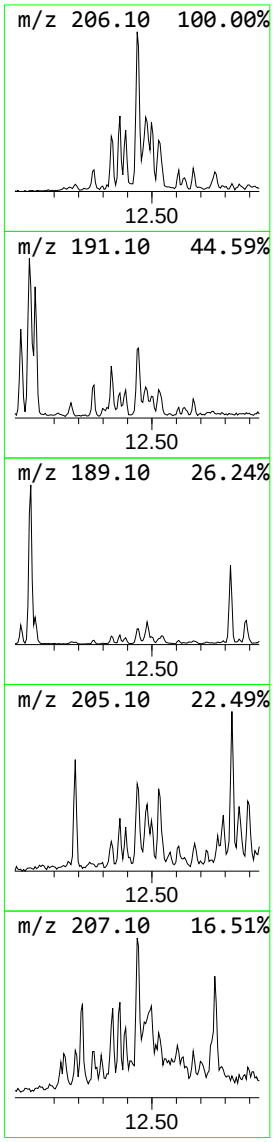
Peak Number 12 3,4-Dimethylphenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.439	6.43 ng	183181	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
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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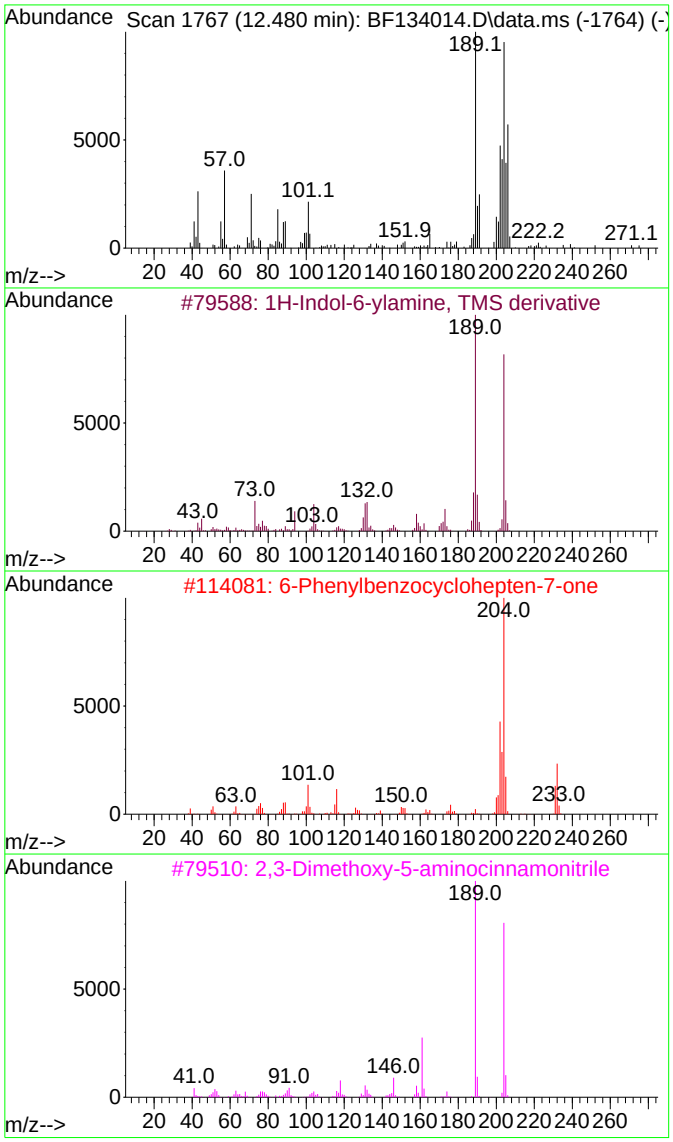
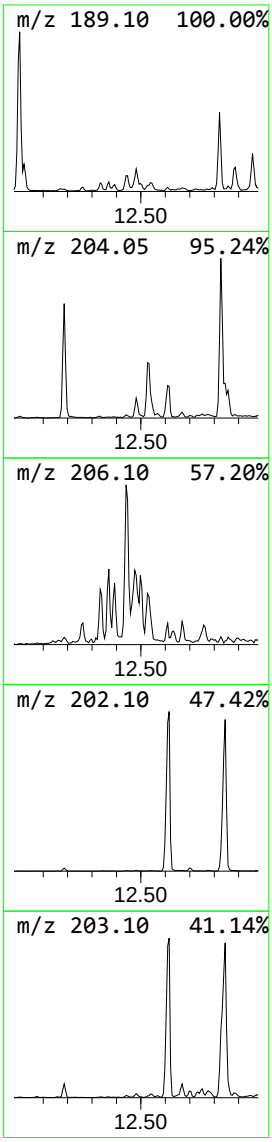
Peak Number 13 unknown12.480 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	4.25 ng	121004	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	43
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
3	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35





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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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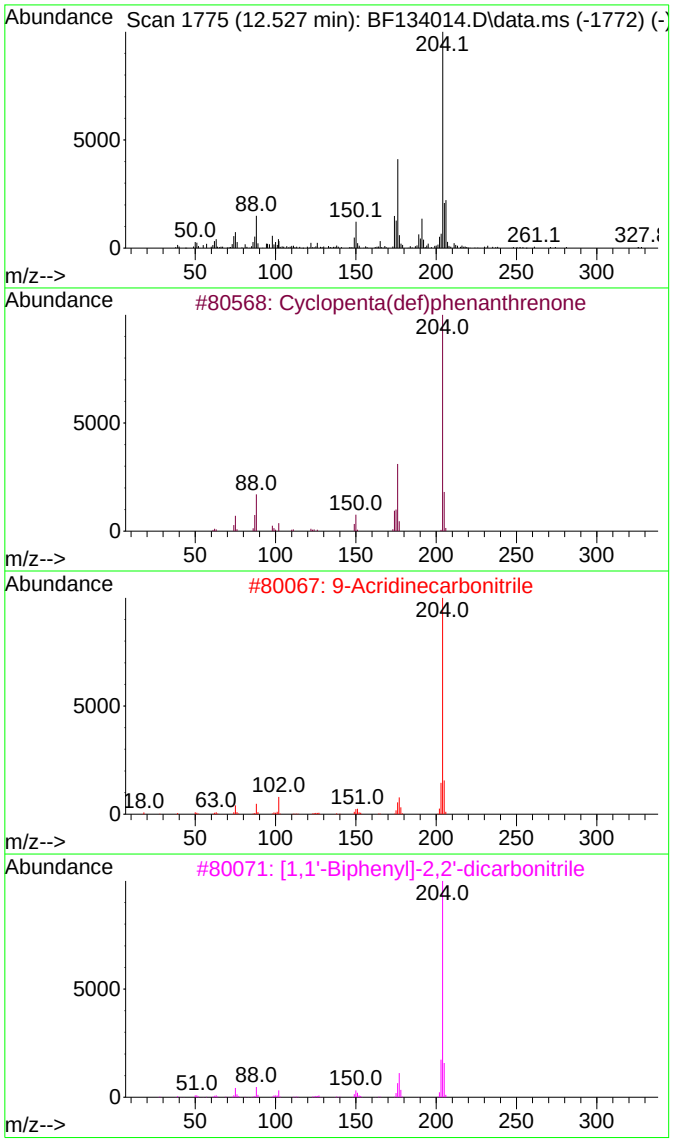
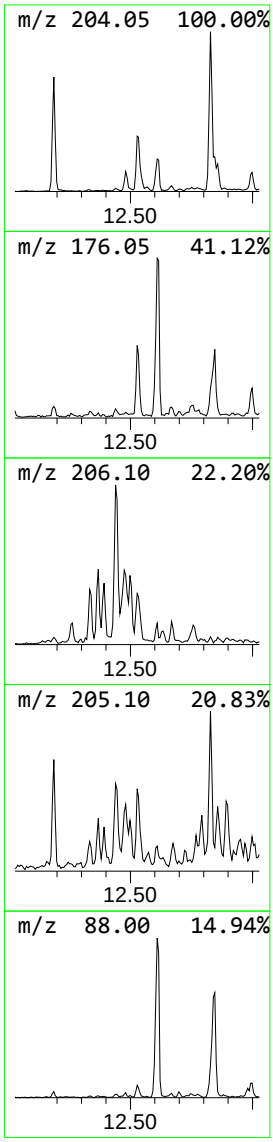
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.528	5.92 ng	168549	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	40
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40





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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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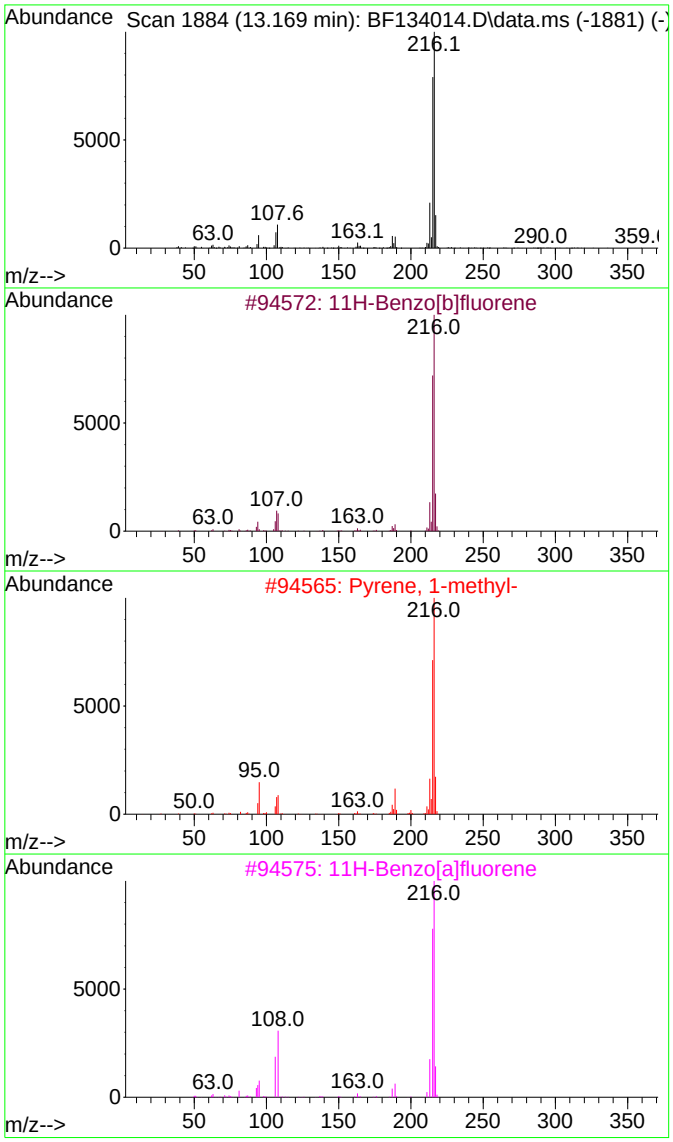
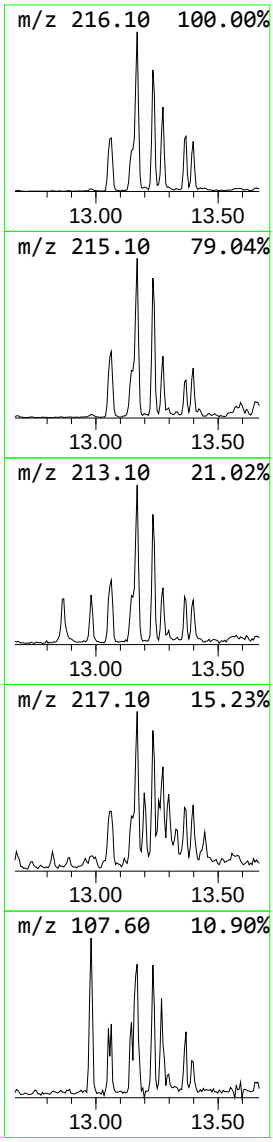
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.169	3.79 ng	421488	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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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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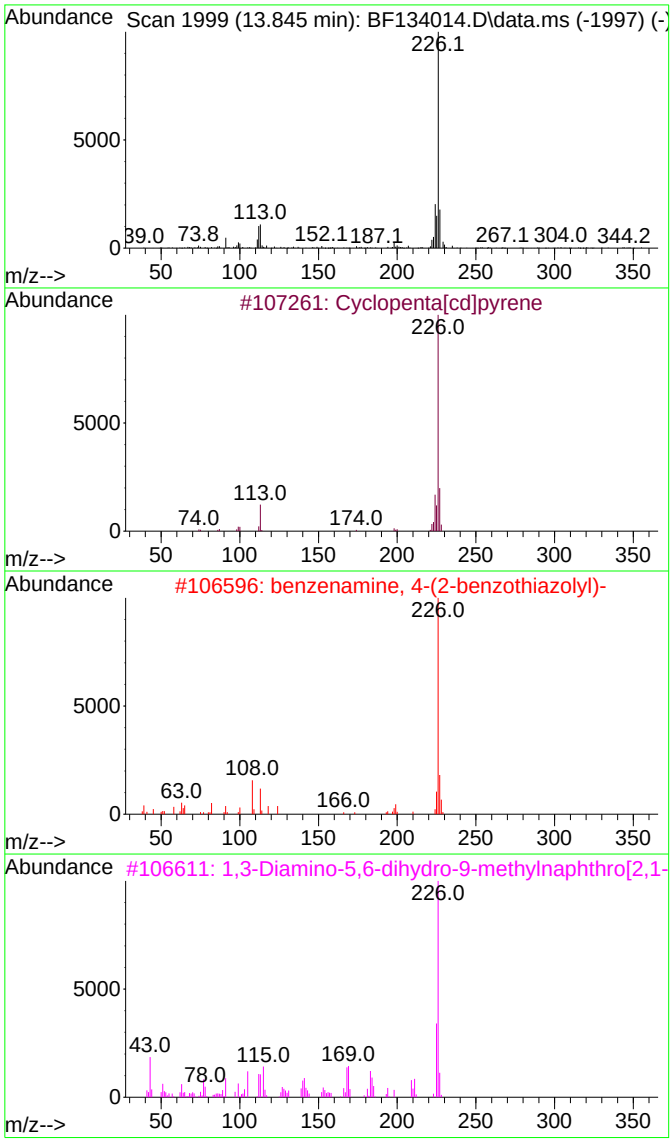
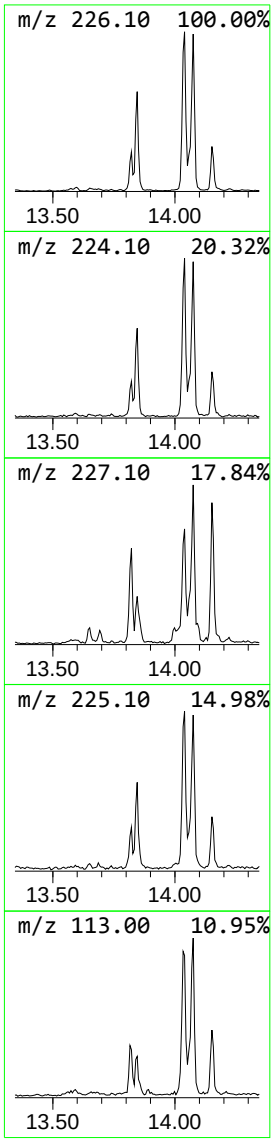
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	2.87 ng	318821	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	94
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	58
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50





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Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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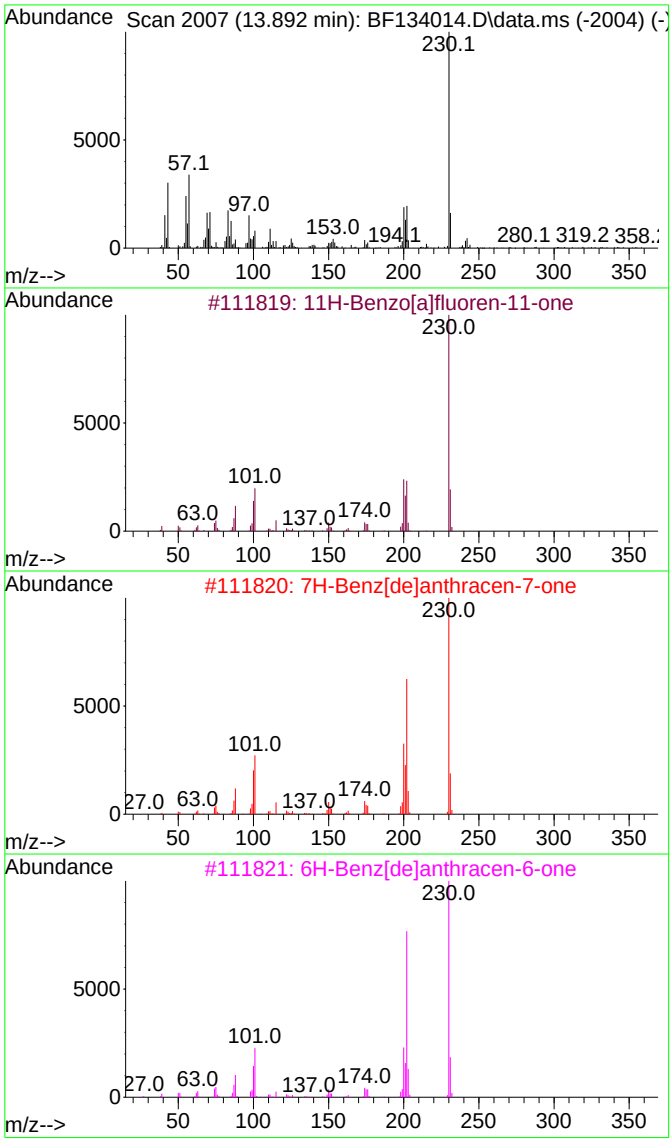
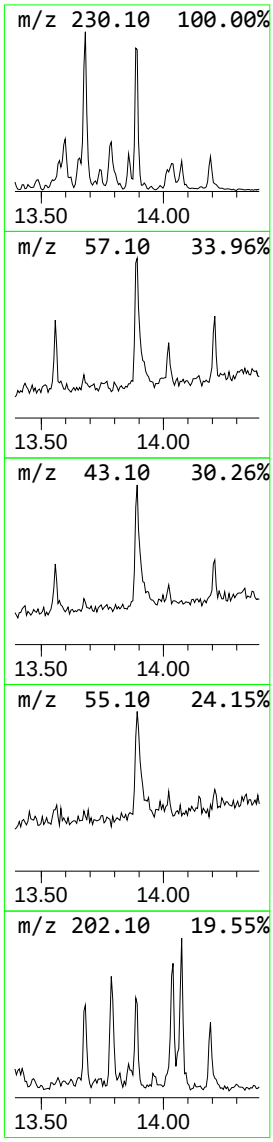
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	3.16 ng	350866	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50
4	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	50
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	45





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Misc :
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Instrument :
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ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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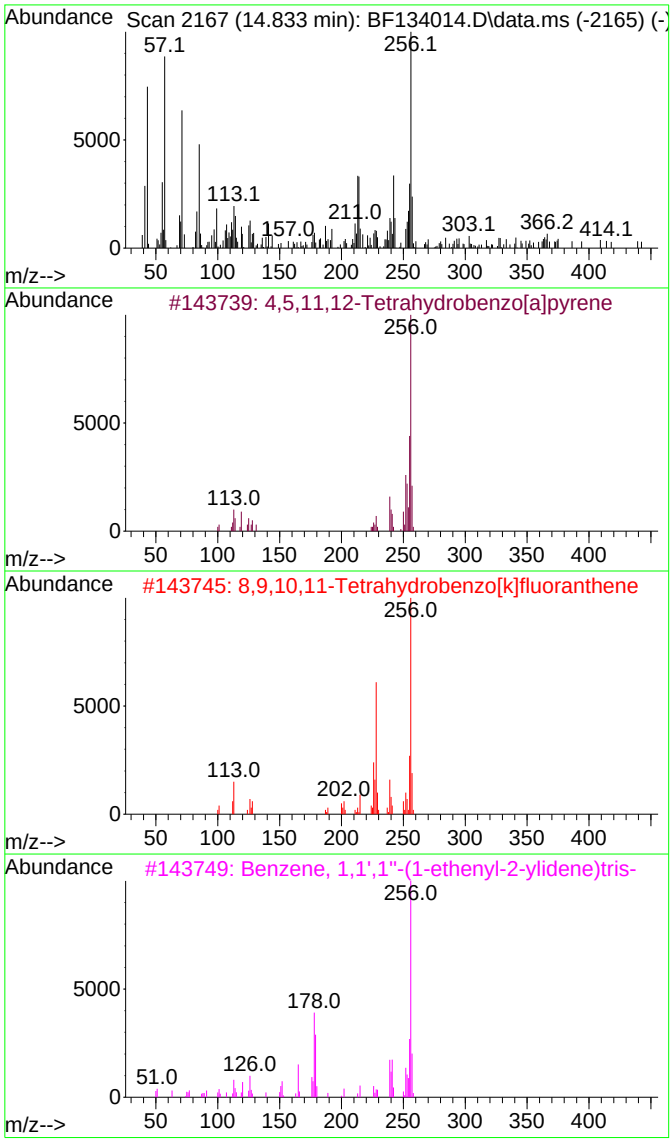
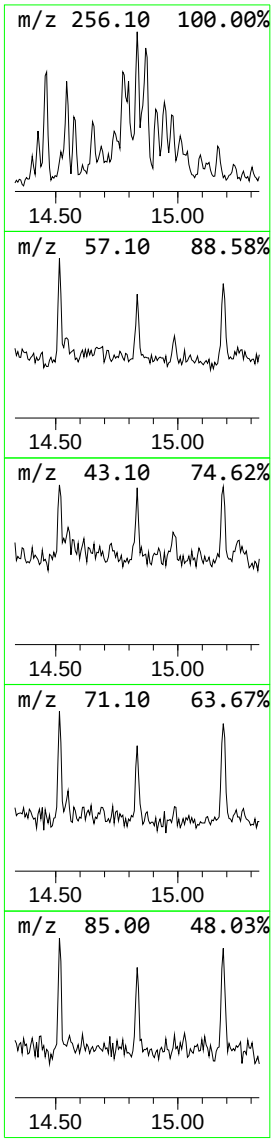
Peak Number 18 4,5,11,12-Tetrahydrobenzo[a... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	3.46 ng	55383	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	64
2	8,9,10,11-Tetrahydrobenzo[k]fluo...	256	C20H16	033942-81-3	62
3	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	60
4	9,10,11,12-Tetrahydrobenzo[e]pyrene	256	C20H16	067099-81-4	53
5	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	50





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Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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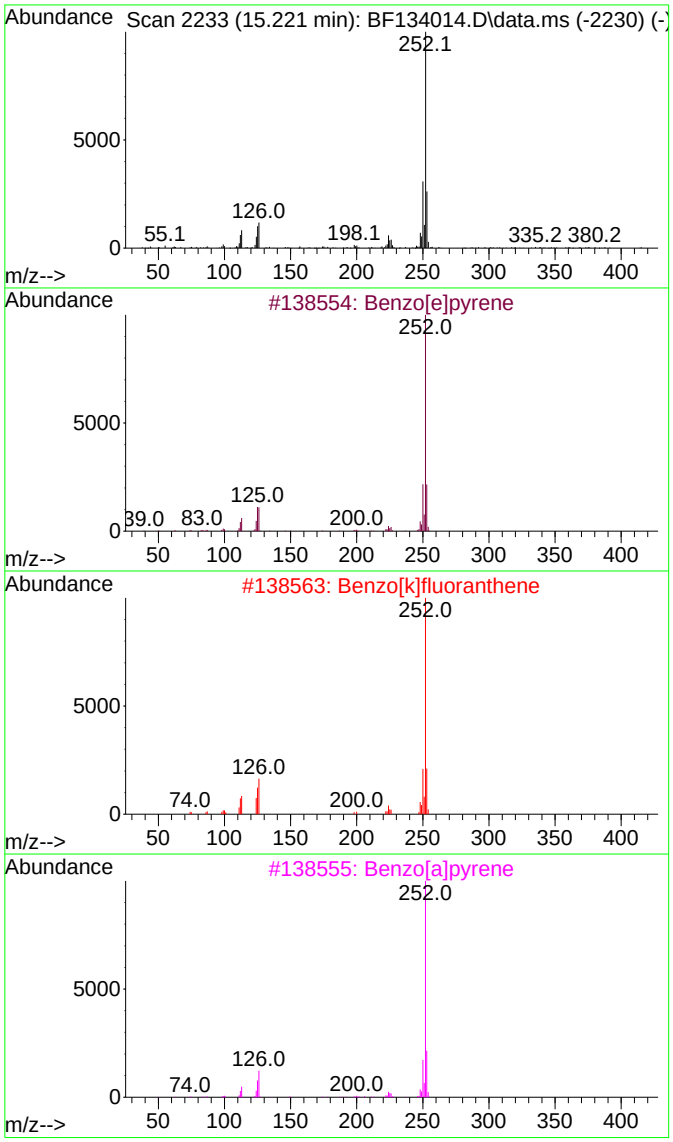
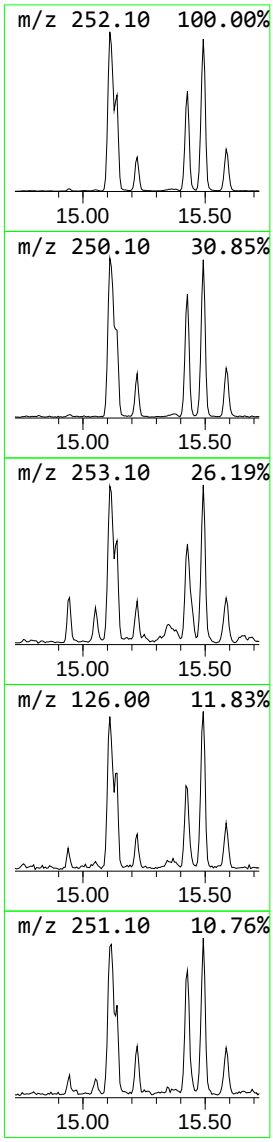
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	10.22 ng	163675	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





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Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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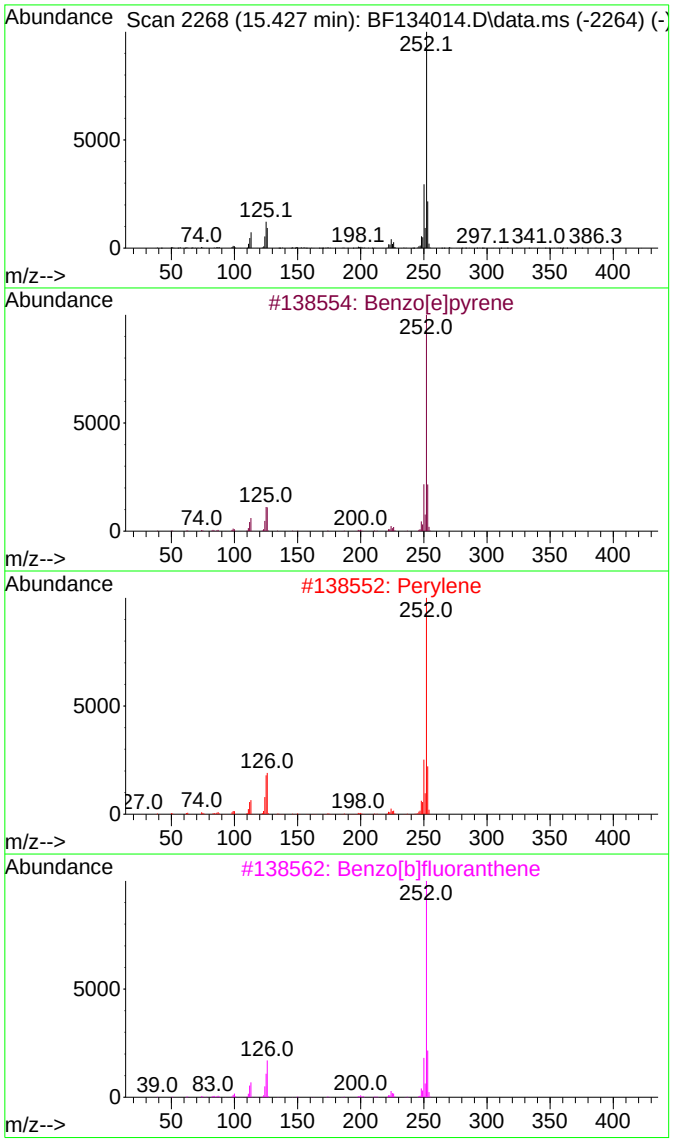
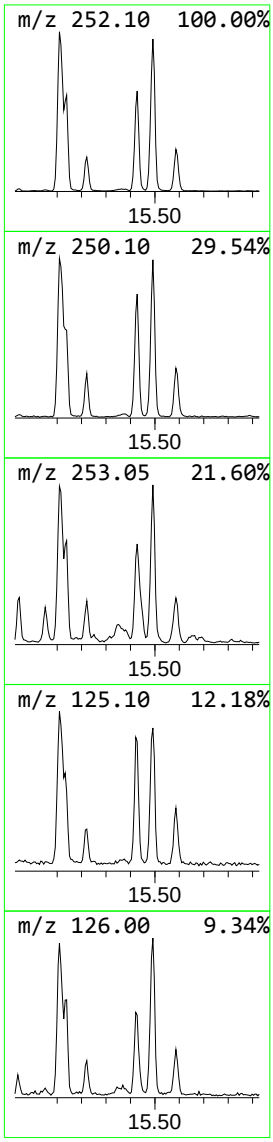
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.427	41.07 ng	657809	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134014.D
Acq On : 28 Jun 2023 05:21
Operator : CG\JU
Sample : 03361-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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
Butane, 2-metho...	2.163	41.2	ng	1480410	1	6.851	718894	20.0
Benzophenone	10.604	9.8	ng	329380	3	9.886	673576	20.0
Naphthalene, 1,...	10.804	3.0	ng	85146	4	11.386	569640	20.0
unknown11.245	11.245	3.2	ng	90452	4	11.386	569640	20.0
Naphtho[2,1-b]t...	11.281	3.8	ng	108776	4	11.386	569640	20.0
Phenanthrene, 2...	11.886	8.1	ng	231708	4	11.386	569640	20.0
Phenanthrene, 1...	11.916	10.9	ng	311599	4	11.386	569640	20.0
Phenanthrene, 3...	11.963	3.9	ng	109919	4	11.386	569640	20.0
4H-Cyclopenta[d...	12.004	17.2	ng	491069	4	11.386	569640	20.0
Naphthalene, 2-...	12.186	5.5	ng	156833	4	11.386	569640	20.0
9,10-Anthracene...	12.210	4.3	ng	123970	4	11.386	569640	20.0
3,4-Dimethylphe...	12.439	6.4	ng	183181	4	11.386	569640	20.0
unknown12.480	12.480	4.3	ng	121004	4	11.386	569640	20.0
Cyclopenta(def)...	12.528	5.9	ng	168549	4	11.386	569640	20.0
11H-Benzo[b]flu...	13.169	3.8	ng	421488	5	14.045	2222350	20.0
Cyclopenta[cd]p...	13.845	2.9	ng	318821	5	14.045	2222350	20.0
11H-Benzo[a]flu...	13.892	3.2	ng	350866	5	14.045	2222350	20.0
4,5,11,12-Tetra...	14.833	3.5	ng	55383	6	15.557	320341	20.0
Benzo[e]pyrene	15.221	10.2	ng	163675	6	15.557	320341	20.0
Perylene	15.427	41.1	ng	657809	6	15.557	320341	20.0