LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-1

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136062.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.051	500	504	510	rVB	125980	142658	2.90%	0.203%
2	5.451	567	572	575	rBV	2332818	2062696	41.89%	2.929%
3	6.451	735	742	745	rBV	2073658	1927438	39.14%	2.737%
4	6.822	802	805	809	rBV	823817	674230	13.69%	0.958%
5	7.381	896	900	903	rBV	1404959	1148652	23.33%	1.631%
6	8.104	1019	1023	1024	rBV	972470	760326	15.44%	1.080%
7	8.128	1024	1027	1030	rVB	1515562	1254225	25.47%	1.781%
8	8.816	1141	1144	1147	rBV	855311	630047	12.80%	0.895%
9	8.916	1156	1161	1164	rBV	614236	448827	9.11%	0.637%
10	9.181	1202	1206	1209	rBV	2491207	1871743	38.01%	2.658%
11	9.281	1219	1223	1225	rBV	170145	136814	2.78%	0.194%
12	9.375	1236	1239	1245	rVB	115566	121982	2.48%	0.173%
13	9.445	1245	1251	1255	rBV2	231193	323381	6.57%	0.459%
14	9.522	1260	1264	1266	rVV	376326	372857	7.57%	0.530%
15	9.545	1266	1268	1273	rVB	278035	232127	4.71%	0.330%
16	9.633	1280	1283	1285	rBV	163994	149216	3.03%	0.212%
17	9.722	1292	1298	1303	rVB2	212600	209072	4.25%	0.297%
18	9.839	1314	1318	1320	rBV2	602298	550303	11.18%	0.782%
19	9.863	1320	1322	1324	rVV	905197	685057	13.91%	0.973%
20	9.892	1324	1327	1331	rVB	1037358	866944	17.61%	1.231%
21	9.986	1341	1343	1345	rVV	145448	117449	2.39%	0.167%
22	10.069	1353	1357	1360	rVV	691253	614484	12.48%	0.873%
23	10.410	1412	1415	1421	rVB	1206684	1051525	21.35%	1.493%
24	10.498	1428	1430	1432	rVB	170203	113545	2.31%	0.161%
25	10.569	1440	1442	1444	rBV	245855	173338	3.52%	0.246%
26	10.651	1450	1456	1460	rVV	1627332	1500669	30.48%	2.131%
27	10.698	1460	1464	1468	rVB3	115876	147947	3.00%	0.210%
28	10.780	1473	1478	1485	rVB3	107249	148990	3.03%	0.212%
29	10.963	1503	1509	1511	rBV3	261328	310236	6.30%	0.441%
30	10.986	1511	1513	1517	rVV2	134566	138384	2.81%	0.197%
31	11.045	1520	1523	1526	rVV2	121001	114768	2.33%	0.163%
32	11.092	1526	1531	1533	rVV2	113506	155162	3.15%	0.220%
33	11.157	1539	1542	1546	rVV	182179	171453	3.48%	0.244%
34	11.204	1546	1550	1553	rVV	126854	144900	2.94%	0.206%
35	11.251	1555	1558	1564	rVB	326841	291916	5.93%	0.415%
36	11.357	1572	1576	1578	rBV	888769	902256	18.32%	1.281%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
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Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-1

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.386	1578	1581	1584	rVV	4723675	4193793	85.17%	5.956%
38	11.433	1584	1589	1592	rVV	1845724	1523372	30.94%	2.164%
39	11.586	1613	1615	1618	rVB	538108	387711	7.87%	0.551%
40	11.686	1629	1632	1638	rVB3	133401	140245	2.85%	0.199%
41	11.863	1656	1662	1664	rVV	716308	697612	14.17%	0.991%
42	11.892	1664	1667	1671	rVV	1081684	1091443	22.17%	1.550%
43	11.933	1671	1674	1677	rVV	375188	368335	7.48%	0.523%
44	11.975	1677	1681	1683	rVV	1189585	1179046	23.94%	1.675%
45	11.998	1683	1685	1689	rVB	461276	366957	7.45%	0.521%
46	12.157	1710	1712	1714	rBV	422982	357718	7.26%	0.508%
47	12.180	1714	1716	1719	rVB	259374	204793	4.16%	0.291%
48	12.310	1732	1738	1740	rBV2	142339	162567	3.30%	0.231%
49	12.339	1740	1743	1745	rVB	168061	119471	2.43%	0.170%
50	12.363	1745	1747	1750	rVB	148014	112739	2.29%	0.160%
51	12.416	1750	1756	1759	rBV	388856	447292	9.08%	0.635%
52	12.451	1759	1762	1764	rVV	239142	238505	4.84%	0.339%
53	12.498	1768	1770	1776	rVB2	209520	273976	5.56%	0.389%
54	12.586	1779	1785	1788	rBV	4439100	4580947	93.03%	6.506%
55	12.633	1788	1793	1797	rBV3	98566	171496	3.48%	0.244%
56	12.727	1804	1809	1817	rVB4	167409	304374	6.18%	0.432%
57	12.816	1817	1824	1828	rBV2	3767229	4924122	100.00%	6.993%
58	12.857	1828	1831	1836	rVB2	253390	309673	6.29%	0.440%
59	12.927	1836	1843	1845	rBV	384217	382965	7.78%	0.544%
60	12.957	1845	1848	1854	rVB	2426263	2226380	45.21%	3.162%
61	13.027	1854	1860	1863	rBV3	385544	652329	13.25%	0.926%
62	13.057	1863	1865	1867	rVB	158444	117333	2.38%	0.167%
63	13.116	1867	1875	1876	rBV5	292432	404128	8.21%	0.574%
64	13.139	1876	1879	1882	rVB	1082023	946824	19.23%	1.345%
65	13.204	1887	1890	1893	rBV	904826	780334	15.85%	1.108%
66	13.239	1893	1896	1899	rBV2	558644	576158	11.70%	0.818%
67	13.269	1899	1901	1904	rVB2	129535	119042	2.42%	0.169%
68	13.298	1904	1906	1909	rBV2	123953	119062	2.42%	0.169%
69	13.333	1909	1912	1915	rVB	299382	255527	5.19%	0.363%
70	13.363	1915	1917	1927	rVB2	333535	409784	8.32%	0.582%
71	13.445	1927	1931	1936	rBV4	205582	235287	4.78%	0.334%
72	13.527	1940	1945	1946	rBV4	106068	169071	3.43%	0.240%
73	13.621	1958	1961	1963	rBV2	151186	177445	3.60%	0.252%
74	13.645	1963	1965	1970	rVB	281302	340414	6.91%	0.483%
75	13.733	1977	1980	1982	rBV	1756815	1352959	27.48%	1.921%
76	13.763	1982	1985	1987	rVV3	314428	355268	7.21%	0.505%

LSC Area Percent Report

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Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.792	1987	1990	1992	rVV	383197	368545	7.48%	0.523%
78	13.810	1992	1993	1998	rVV2	280900	325443	6.61%	0.462%
79	13.857	1998	2001	2003	rVV2	251462	179757	3.65%	0.255%
80	14.010	2020	2027	2030	rBV2	2803698	3946458	80.15%	5.605%
81	14.045	2030	2033	2038	rVB	2283466	2232772	45.34%	3.171%
82	14.121	2043	2046	2049	rVV	592258	541989	11.01%	0.770%
83	14.157	2049	2052	2054	rVV	207653	253208	5.14%	0.360%
84	14.204	2057	2060	2062	rVV	294744	335441	6.81%	0.476%
85	14.239	2062	2066	2070	rVV2	270828	424183	8.61%	0.602%
86	14.368	2085	2088	2090	rVV	148616	123523	2.51%	0.175%
87	14.404	2090	2094	2097	rVV	558463	563341	11.44%	0.800%
88	14.439	2097	2100	2103	rVB	290745	265150	5.38%	0.377%
89	14.498	2104	2110	2112	rBV2	351691	407797	8.28%	0.579%
90	14.527	2112	2115	2117	rVV	248968	242176	4.92%	0.344%
91	14.551	2117	2119	2123	rVB3	305711	283100	5.75%	0.402%
92	15.074	2202	2208	2211	rBV	1341376	2256460	45.82%	3.205%
93	15.180	2222	2226	2229	rBV	331207	355843	7.23%	0.505%
94	15.380	2256	2260	2266	rVB	742161	978618	19.87%	1.390%
95	15.445	2266	2271	2277	rBV	1133572	1477756	30.01%	2.099%
96	15.510	2278	2282	2285	rBV	510018	620767	12.61%	0.882%
97	15.539	2285	2287	2291	rVB	238635	241598	4.91%	0.343%
98	17.021	2533	2539	2548	rVB2	394792	840542	17.07%	1.194%
99	17.209	2567	2571	2576	rBV	92108	152283	3.09%	0.216%
100	17.486	2611	2618	2623	rBV	269788	552749	11.23%	0.785%

Sum of corrected areas: 70411613

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
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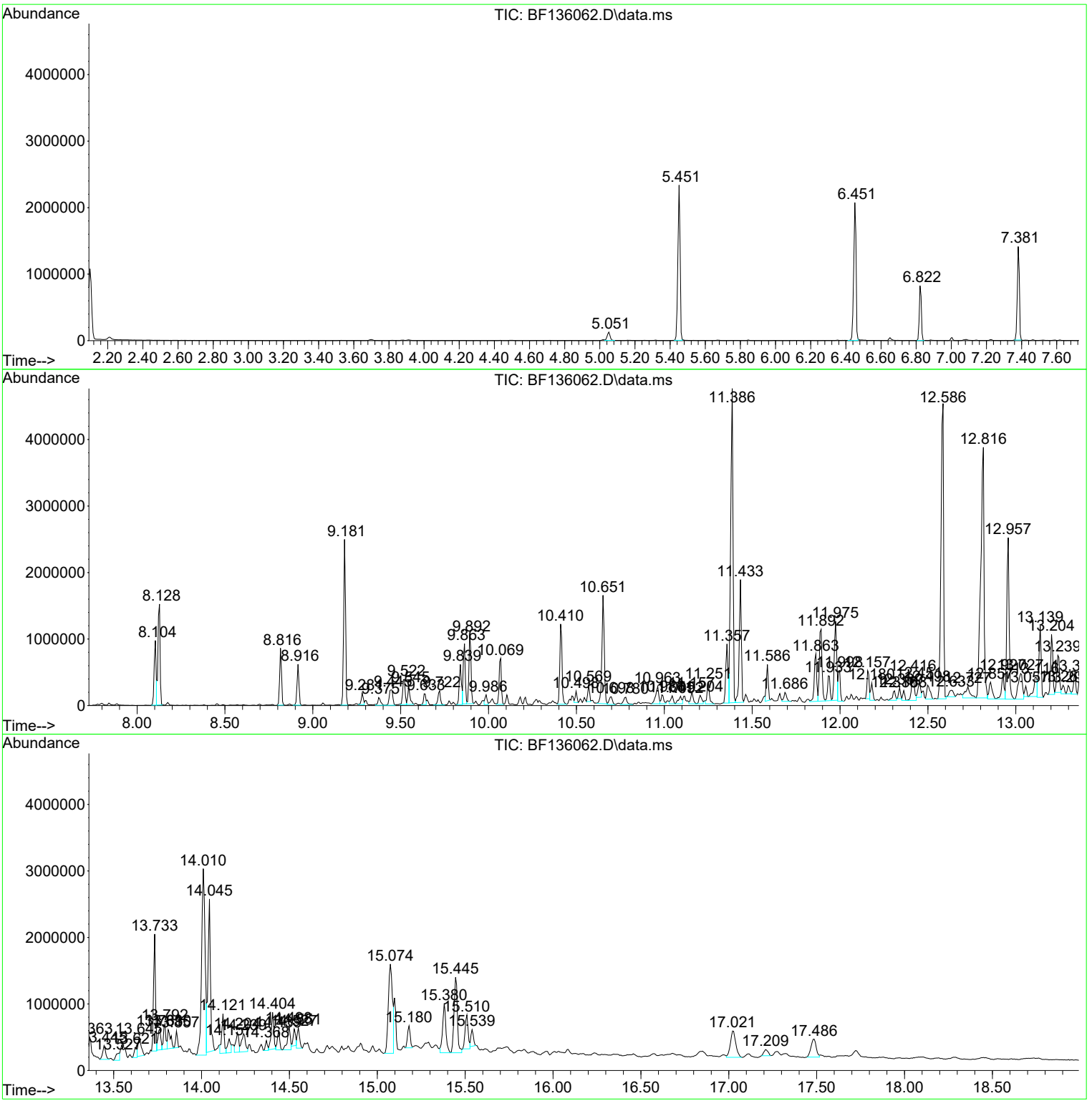
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
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Sample : 04858-01
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

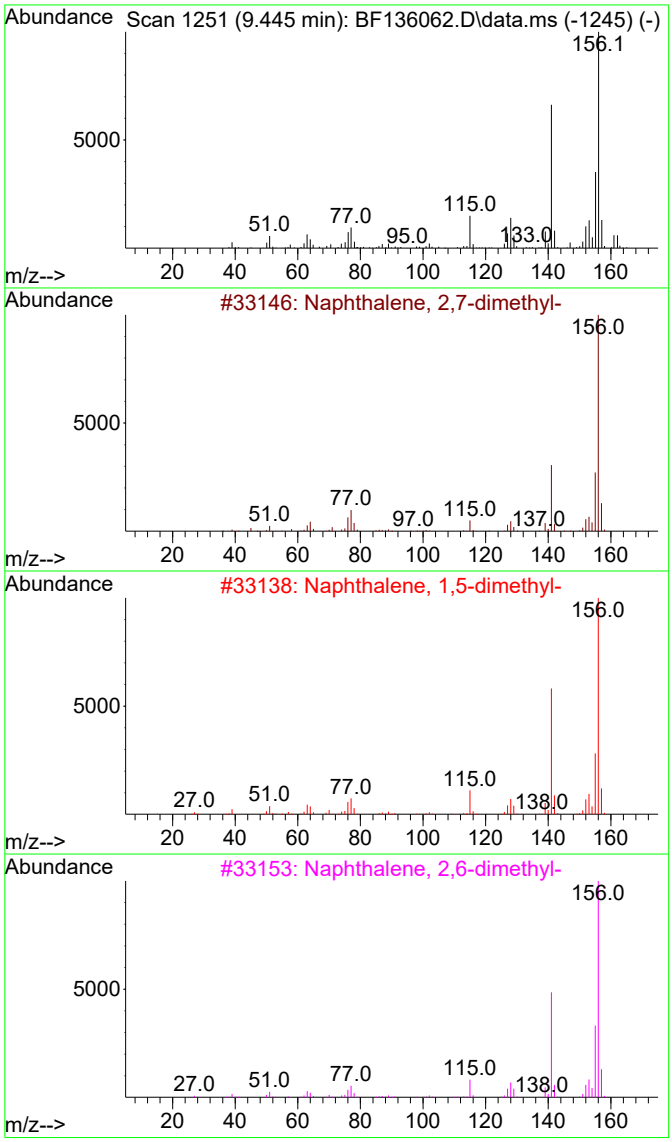
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

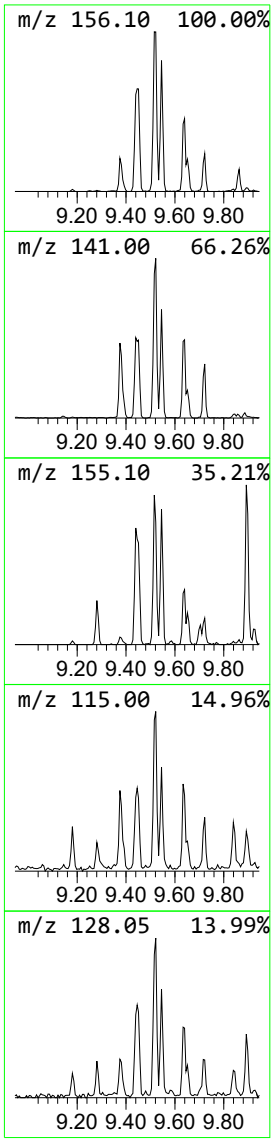
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	9.44 ng	323381	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

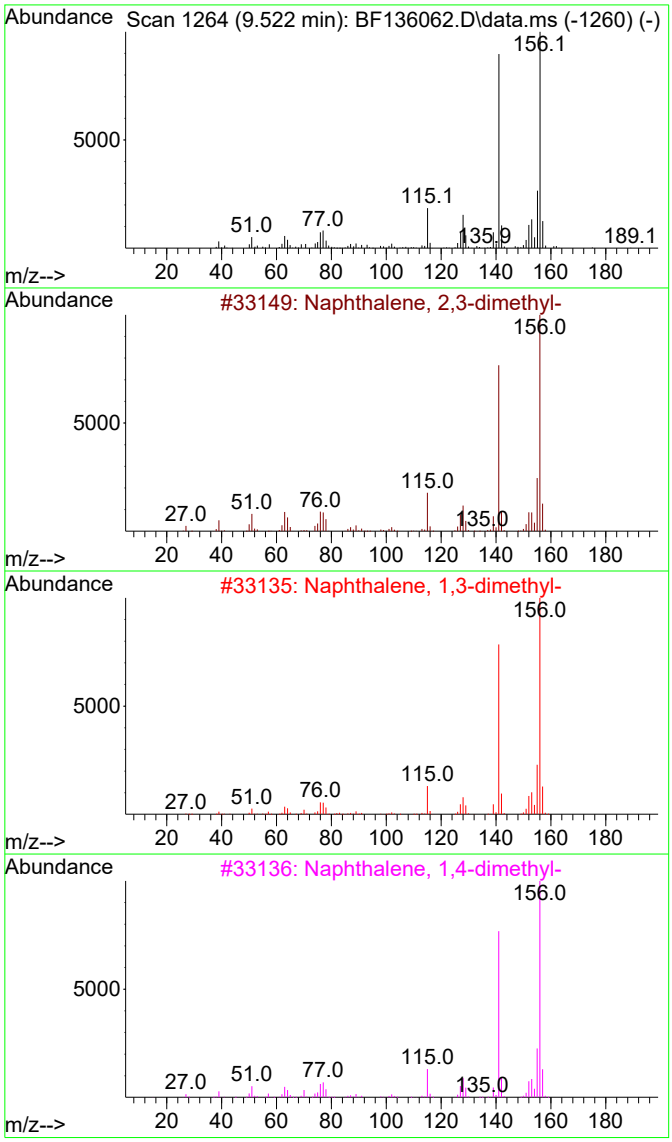
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

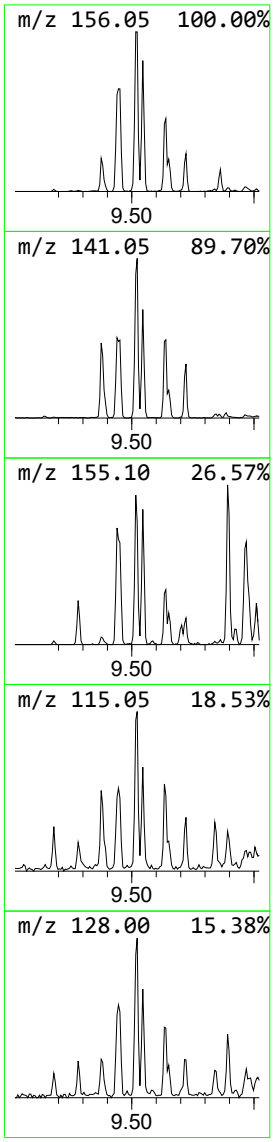
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	10.89 ng	372857	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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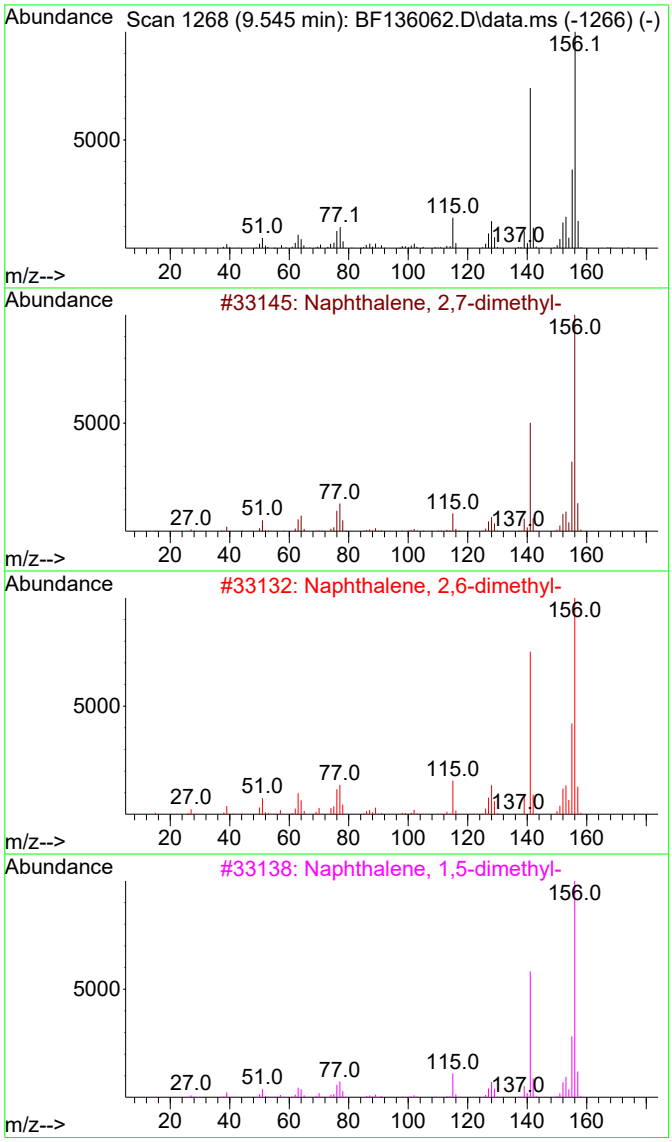
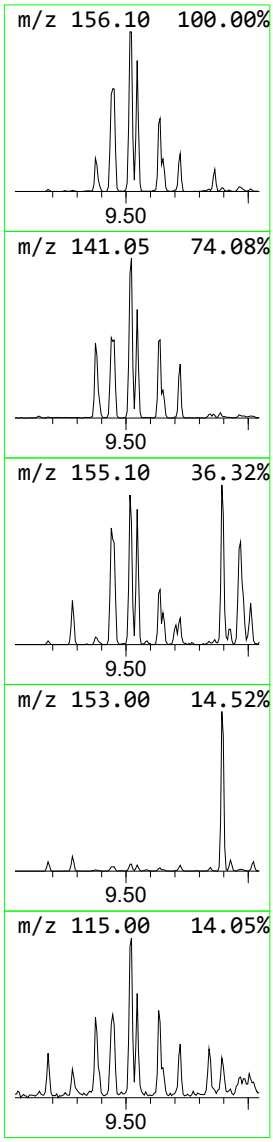
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.545	6.78 ng	232127	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

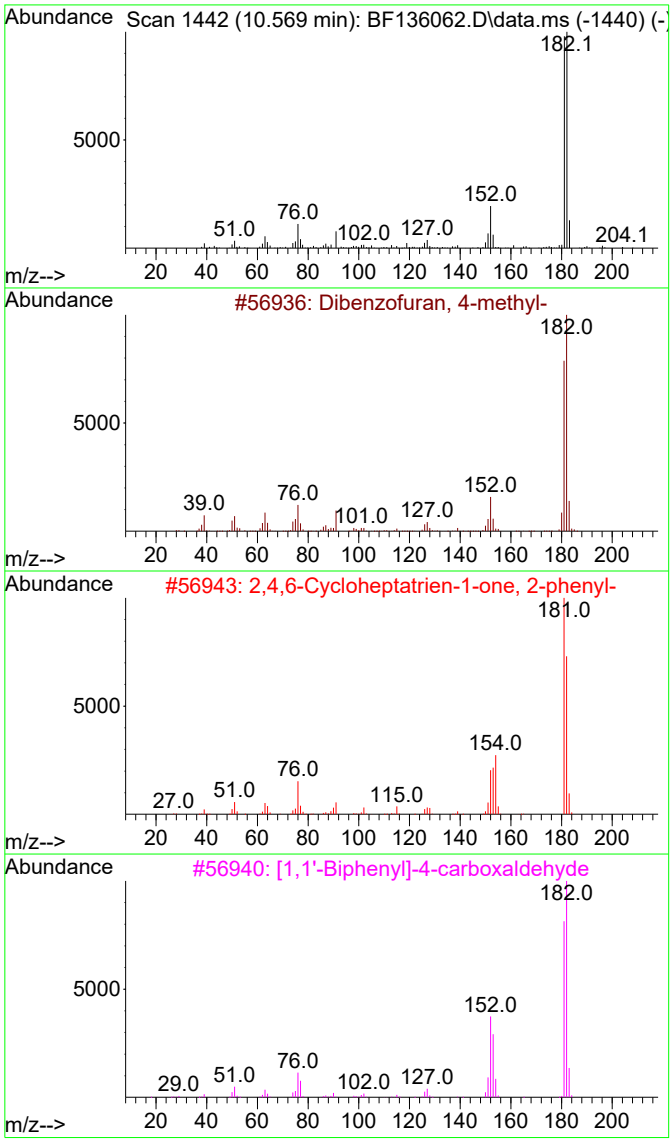
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

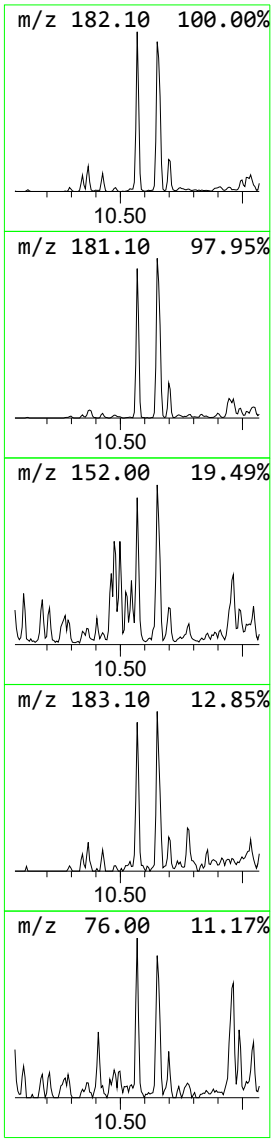
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	5.06 ng	173338	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

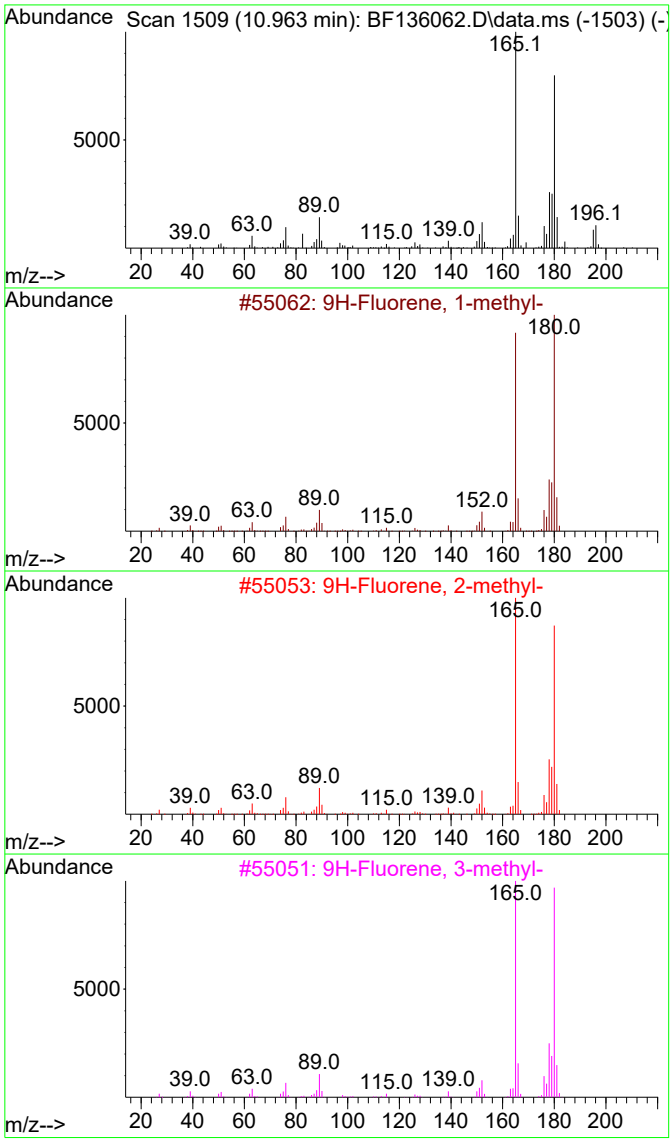
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

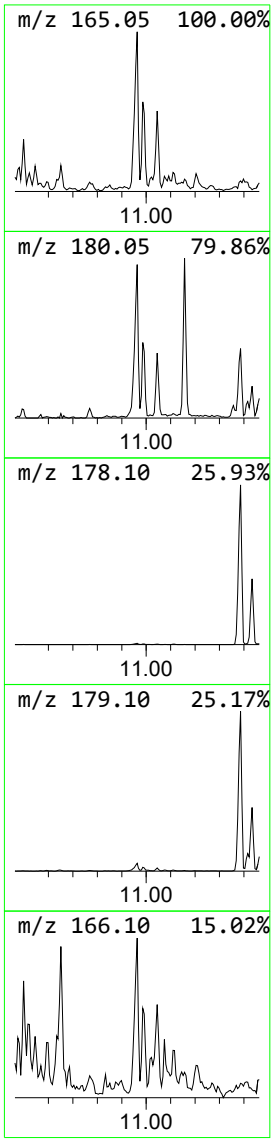
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	6.88 ng	310236	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83





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Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

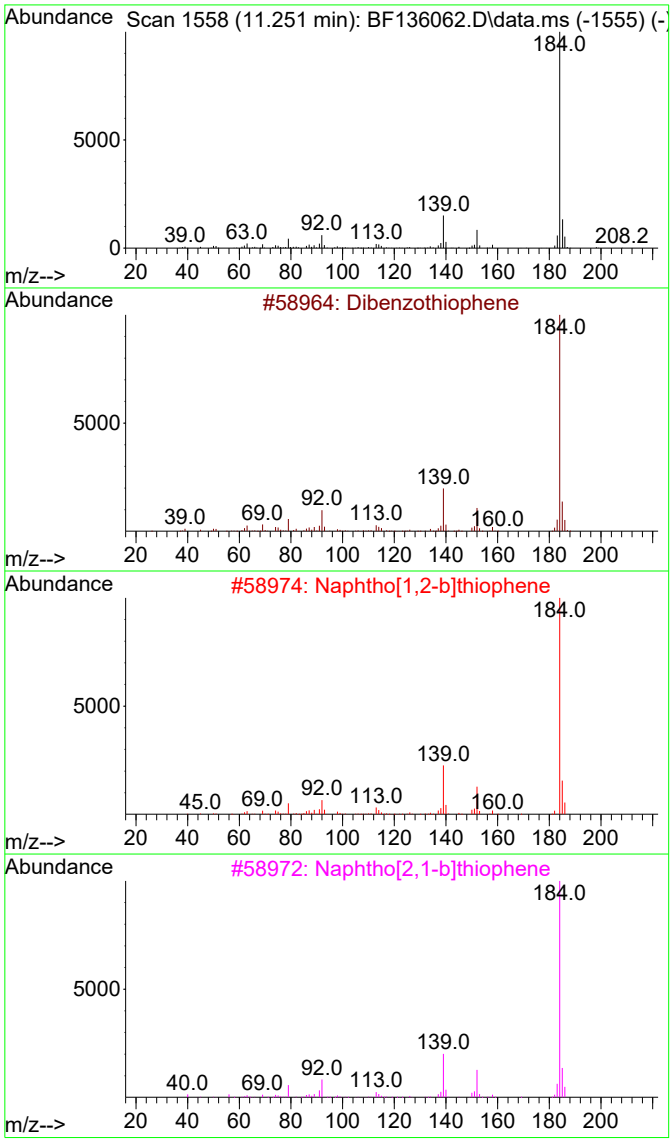
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

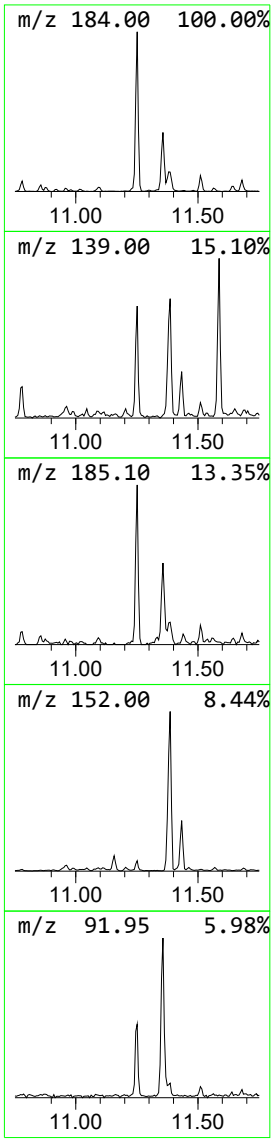
****

Peak Number 6 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	6.47 ng	291916	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

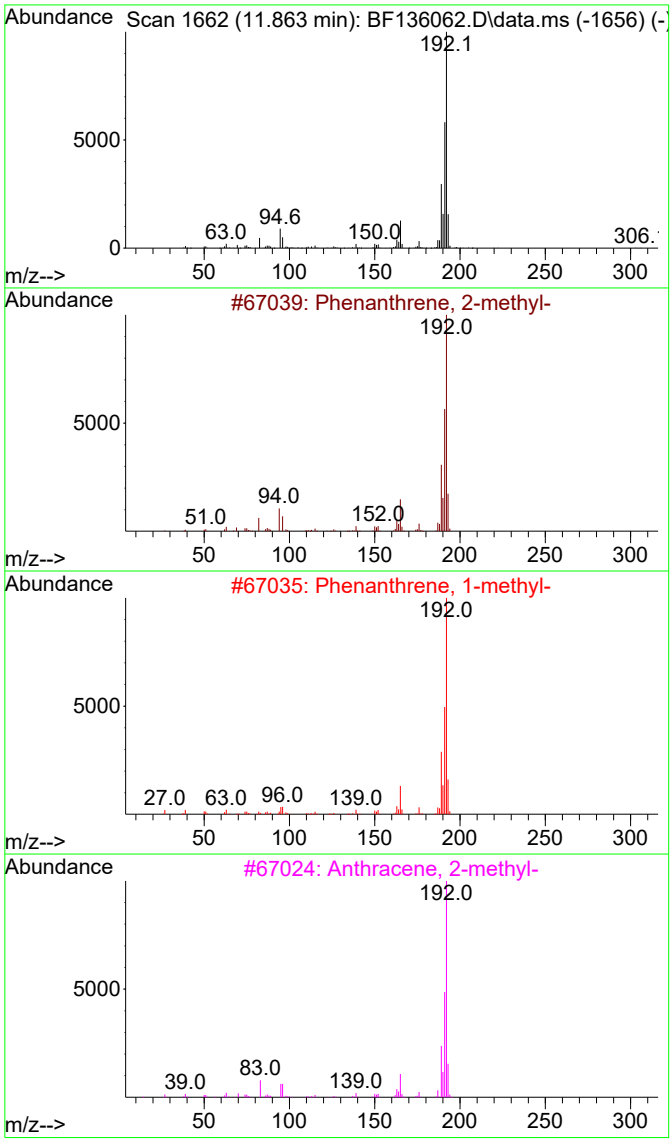
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

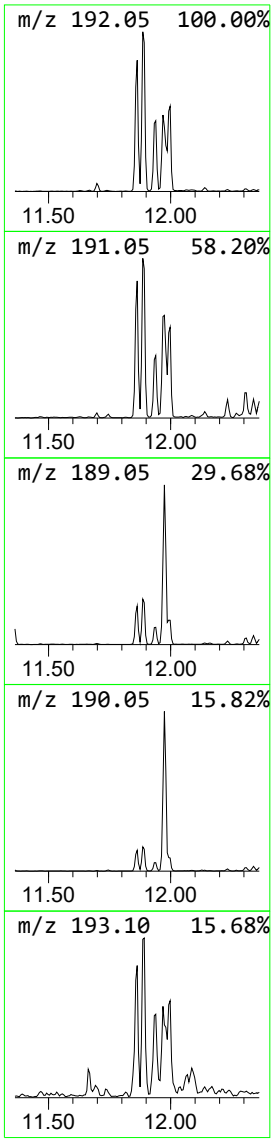
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	15.46 ng	697612	Phenanthrene-d10	11.357

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	95
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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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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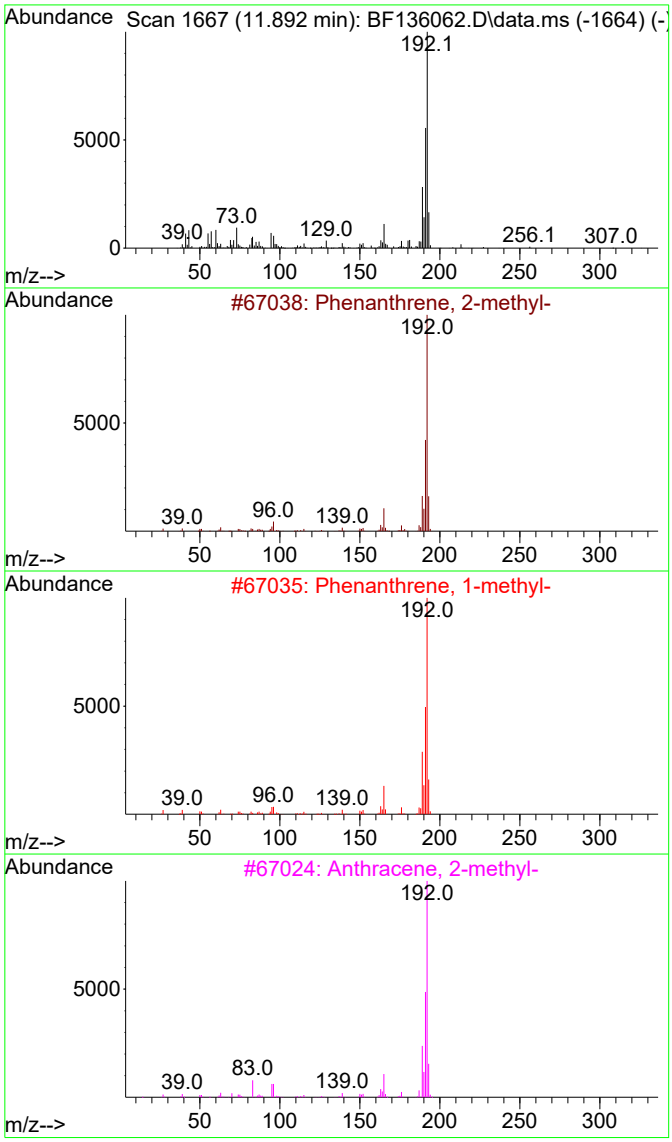
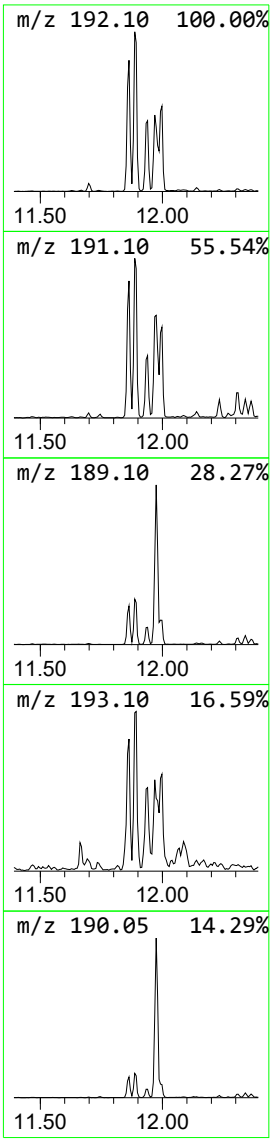
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	24.19 ng	1091440	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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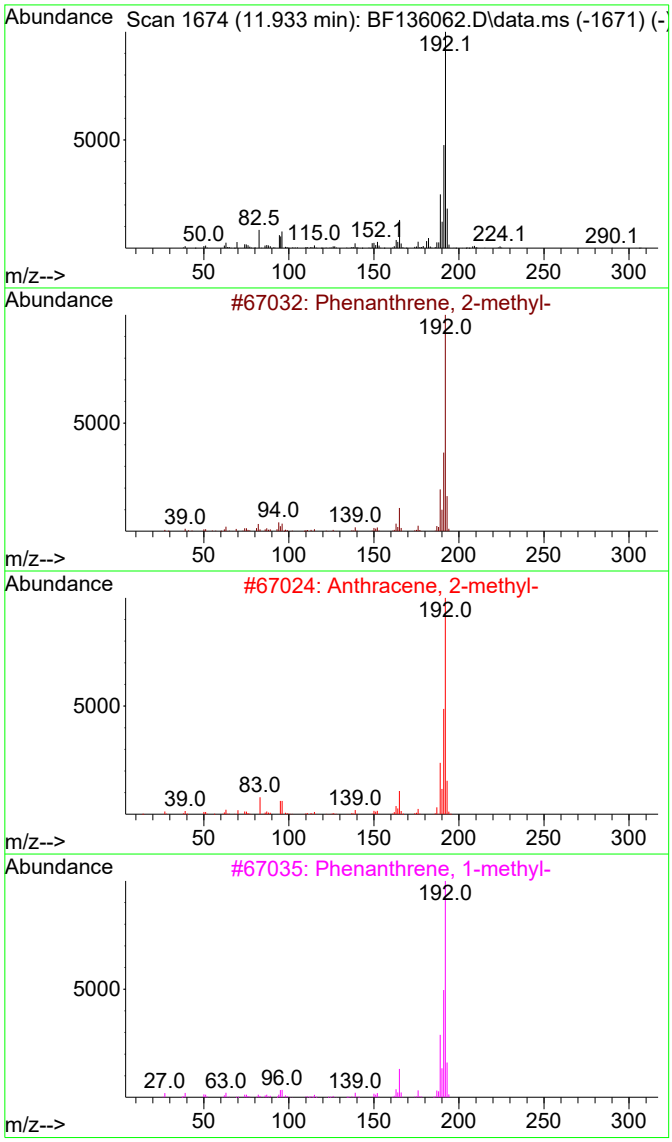
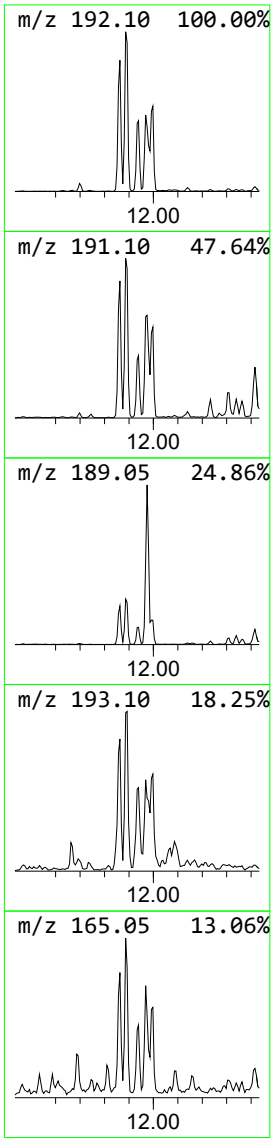
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	8.16 ng	368335	Phenanthrene-d10	11.357

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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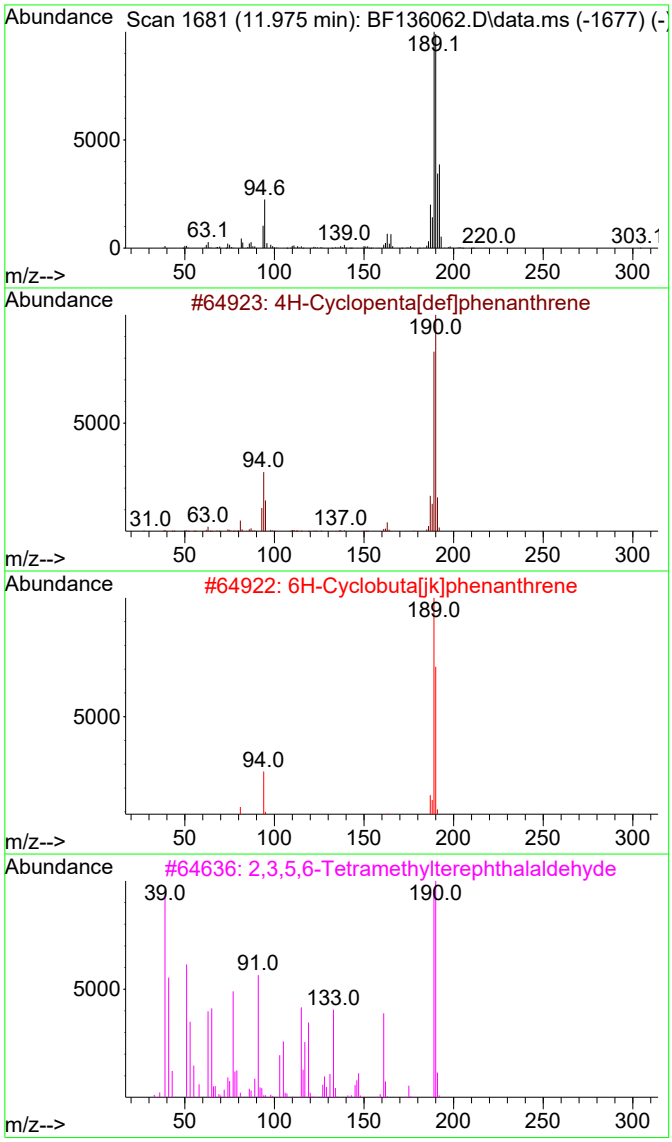
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

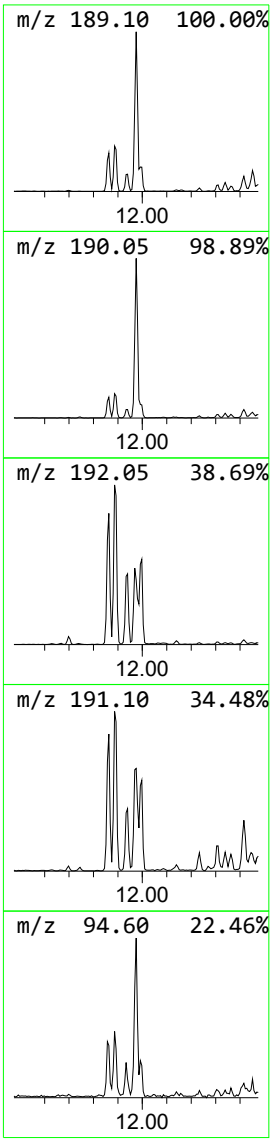
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	26.14 ng	1179050	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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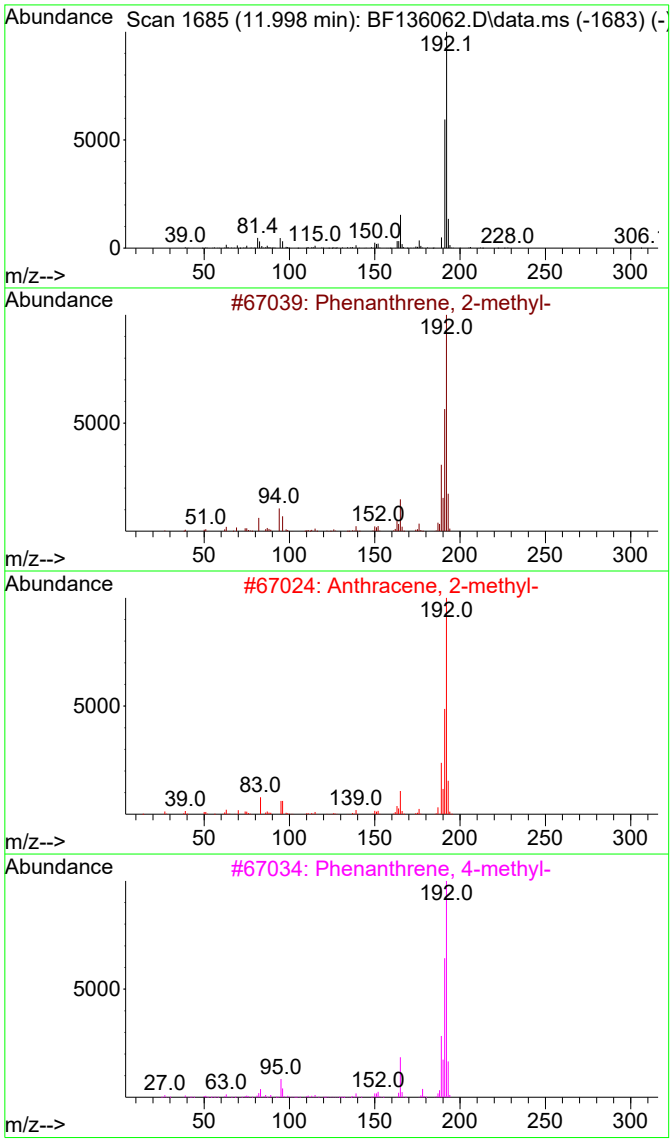
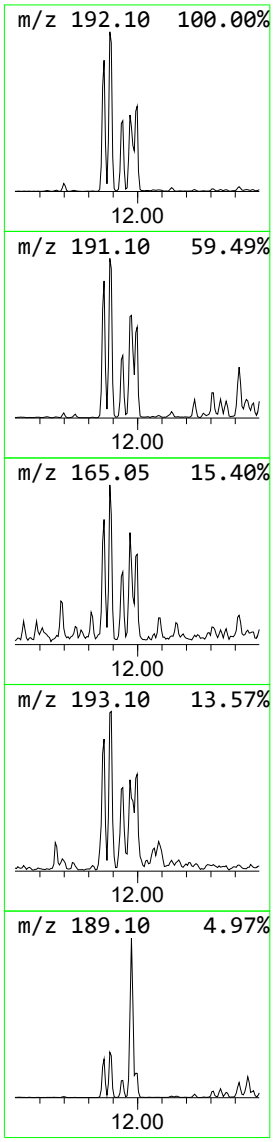
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	8.13 ng	366957	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

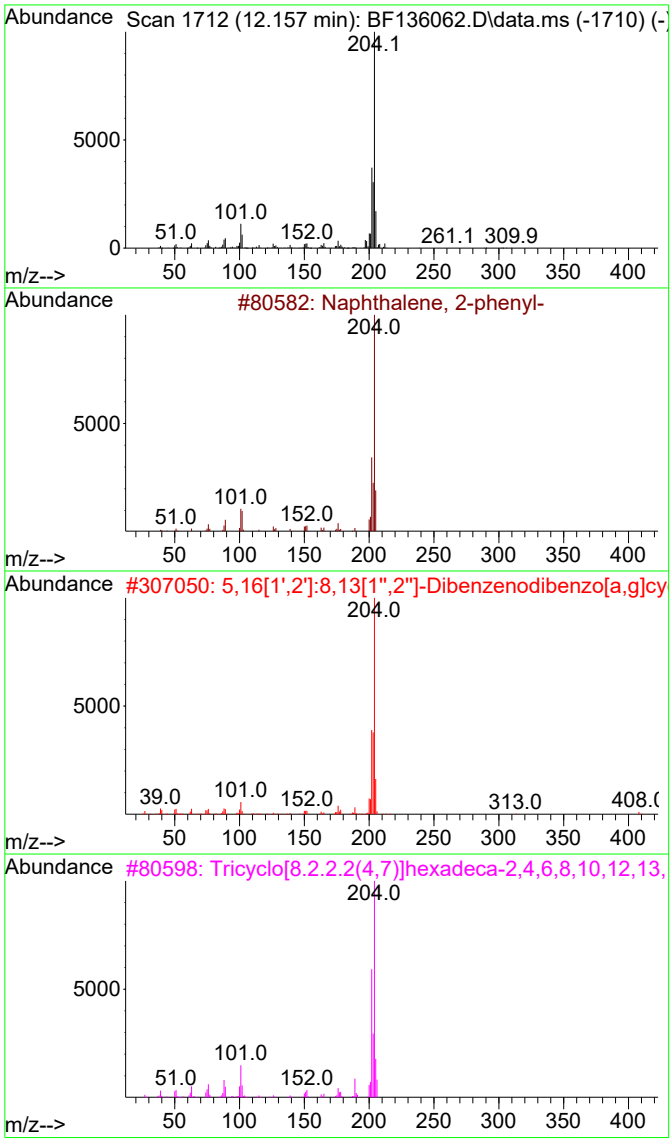
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

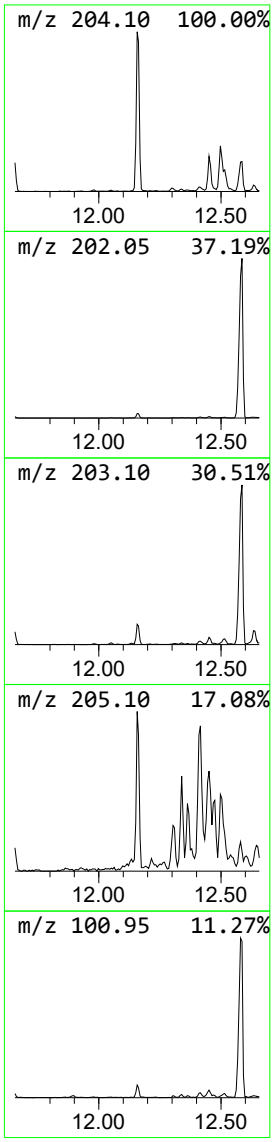
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	7.93 ng	357718	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-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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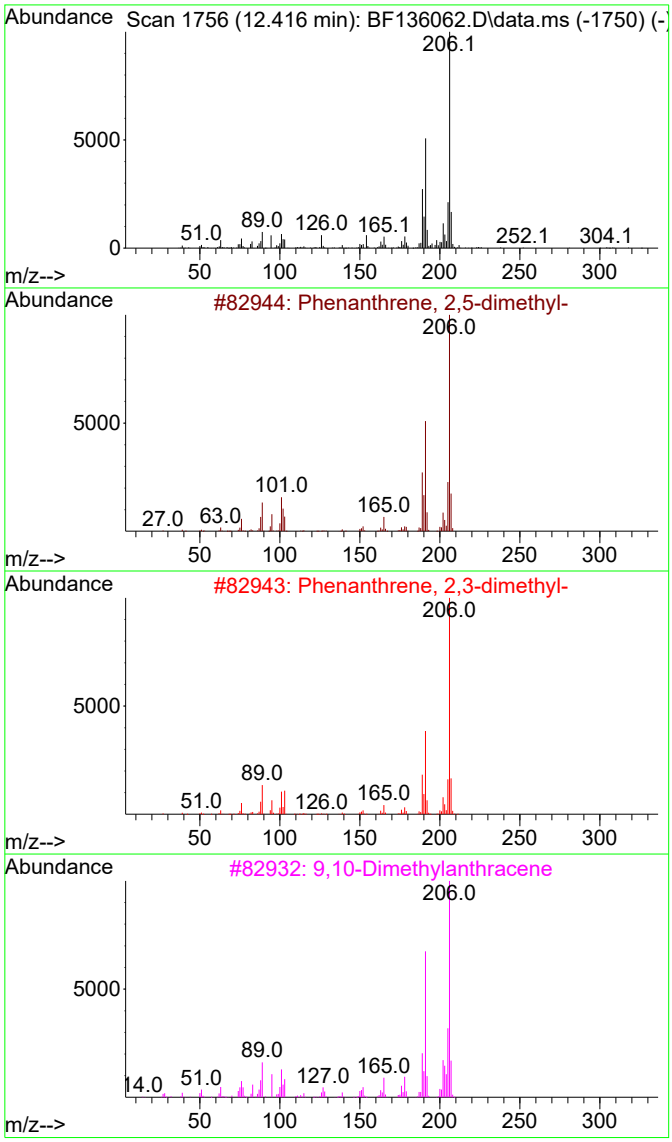
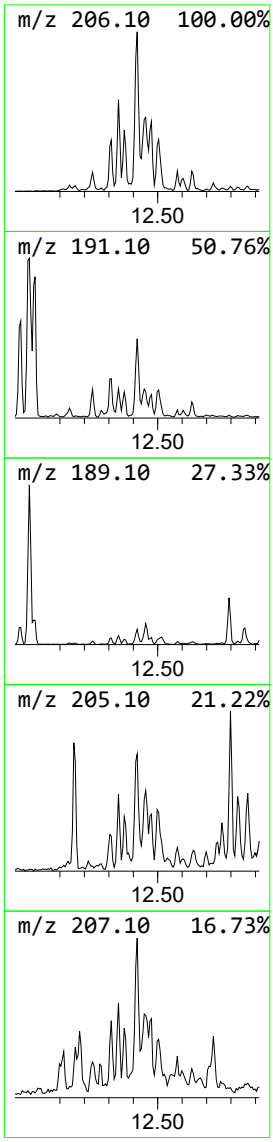
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	9.91 ng	447292	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Sample : 04858-01
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ALS Vial : 20 Sample Multiplier: 1

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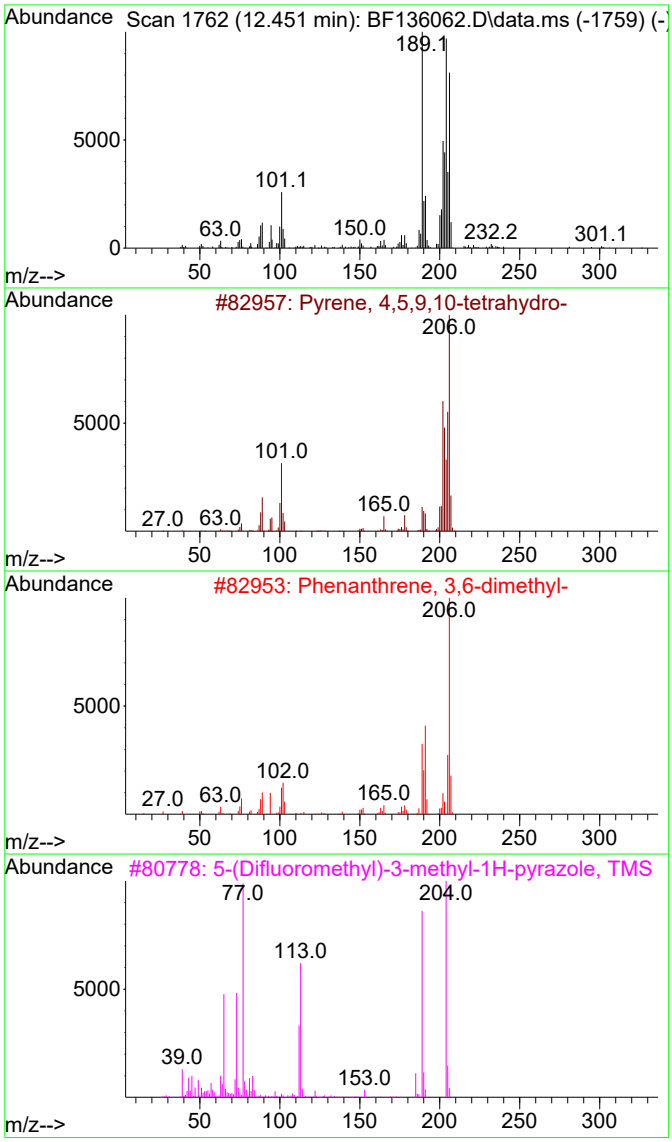
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

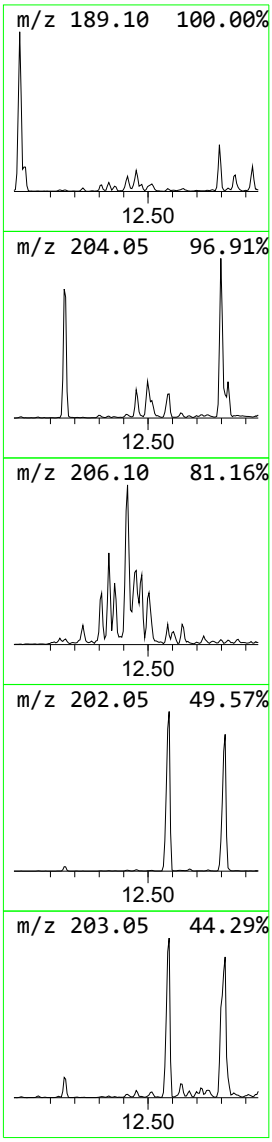
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	5.29 ng	238505	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	38
4	5-Bromo-2-(methylthio)pyrimidine	204	C5H5BrN2S	014001-67-3	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





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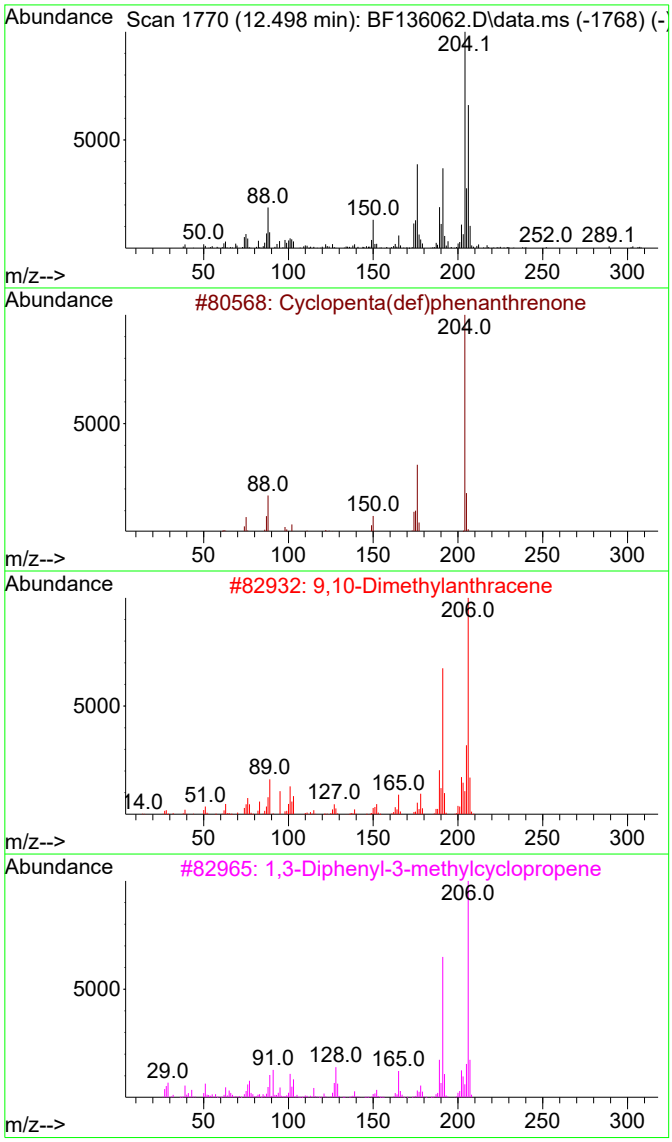
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

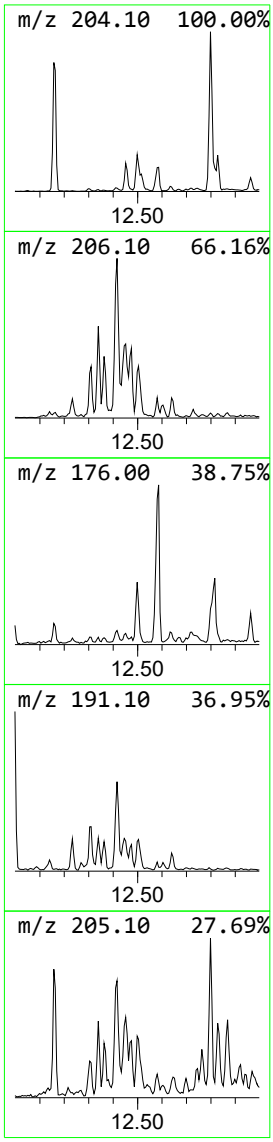
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	6.07 ng	273976	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	84
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	49
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46





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ALS Vial : 20 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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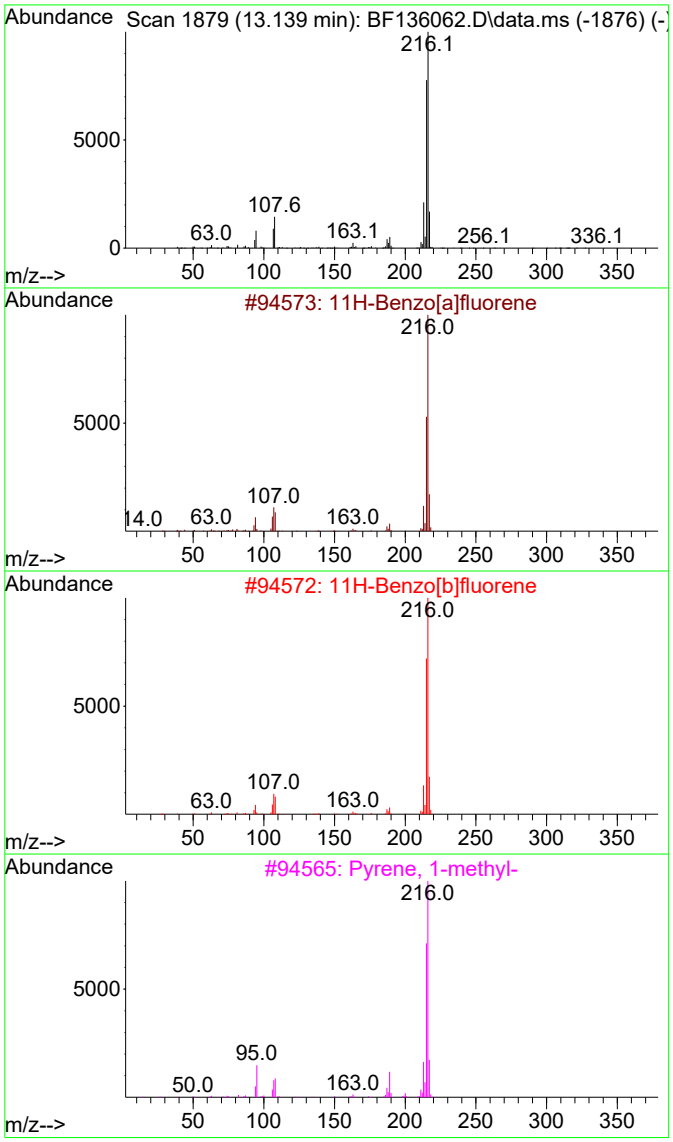
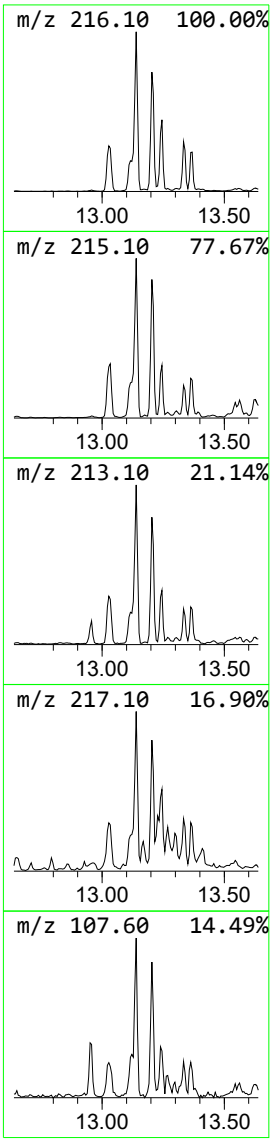
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	4.80 ng	946824	Chrysene-d12	14.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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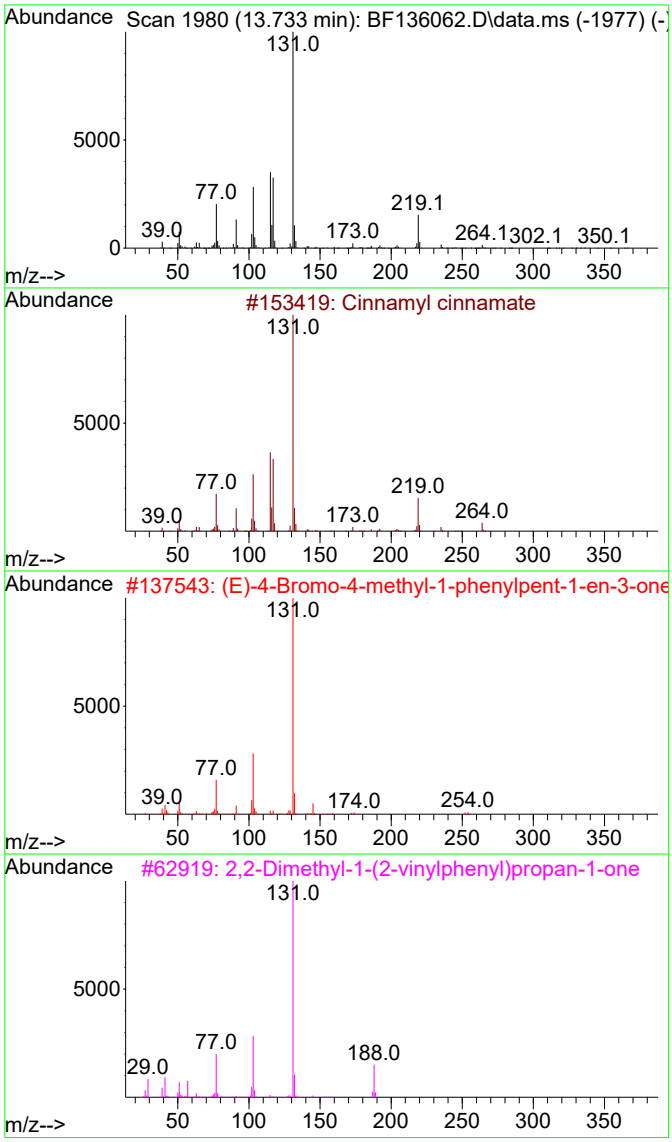
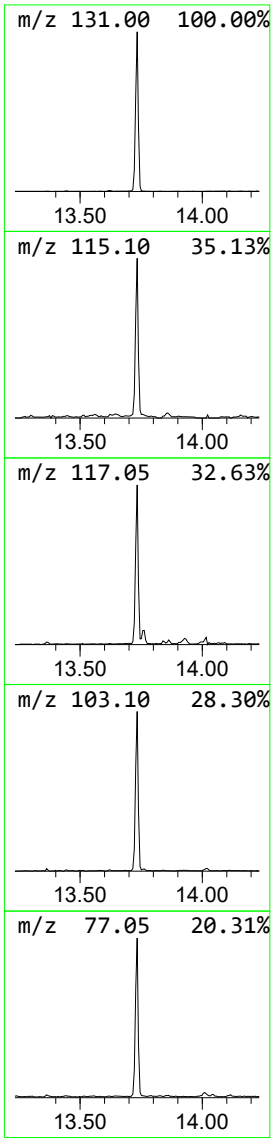
Peak Number 17 Cinnamyl cinnamate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.733	6.86 ng	1352960	Chrysene-d12	14.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	91
2	(E)-4-Bromo-4-methyl-1-phenylpen...	252	C12H13BrO	1000443-02-8	53
3	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	52
4	2-Propenamide, N-(1-methylethyl)...	265	C18H19NO	055044-37-6	50
5	1-(4-Ethynylphenyl)-2-methylprop...	174	C12H14O	1000466-39-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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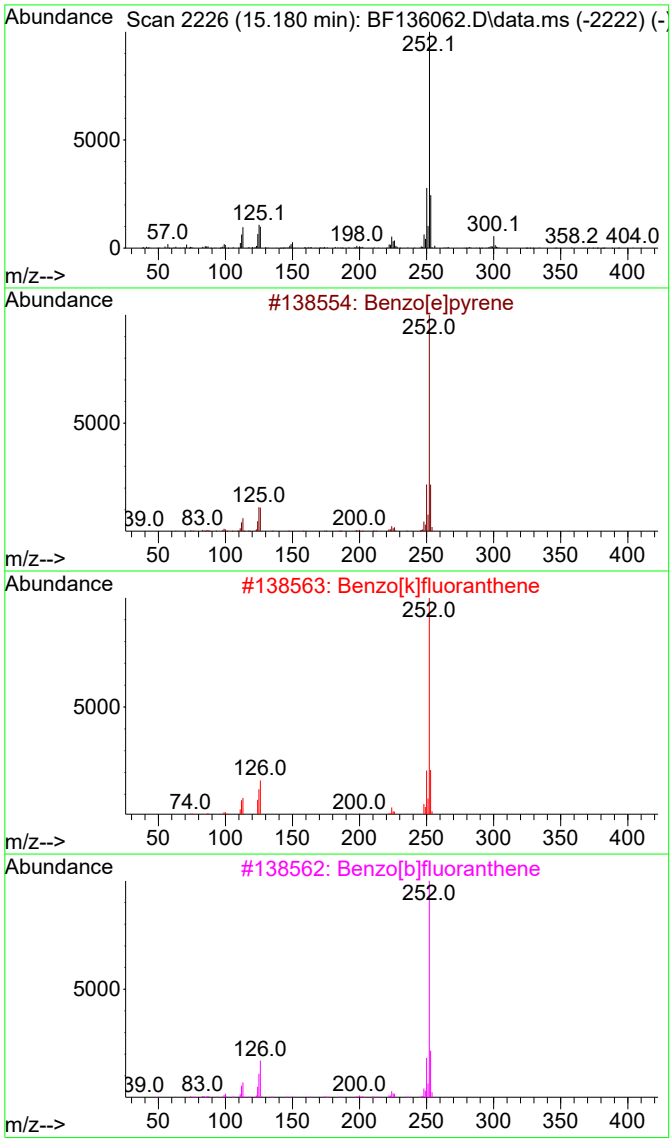
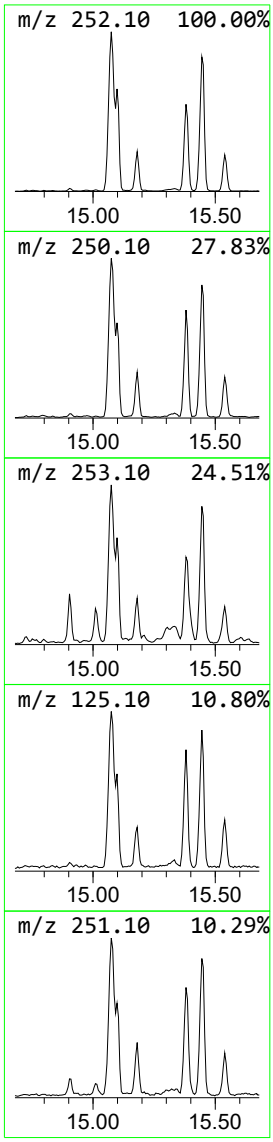
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.180	11.46 ng	355843	Perylene-d12	15.510

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	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





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Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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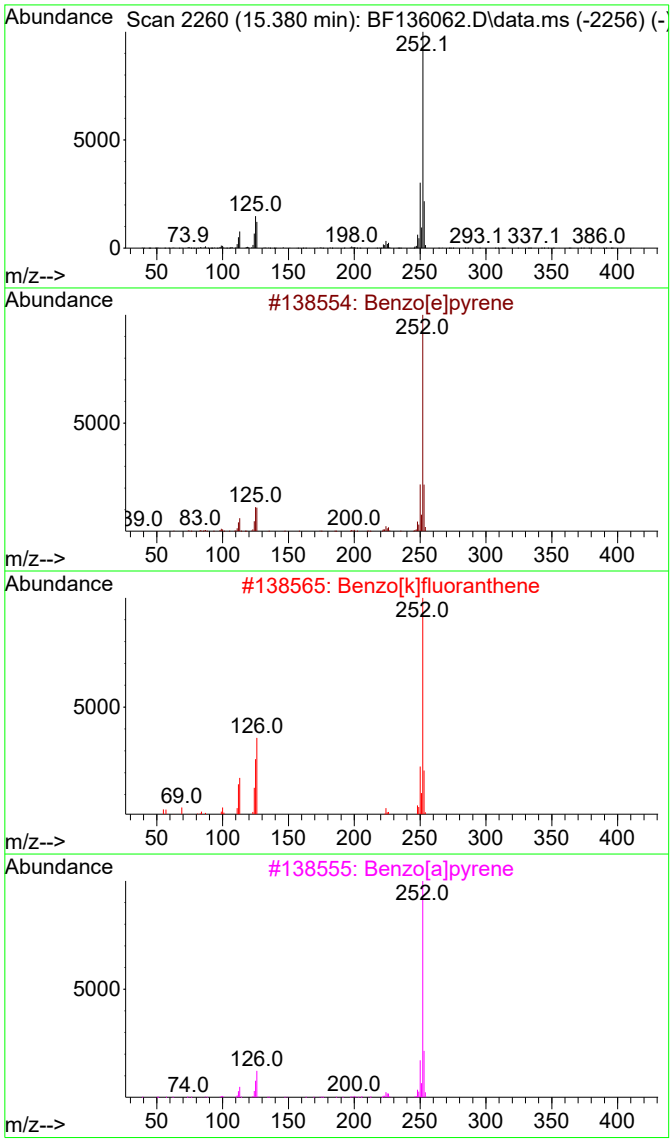
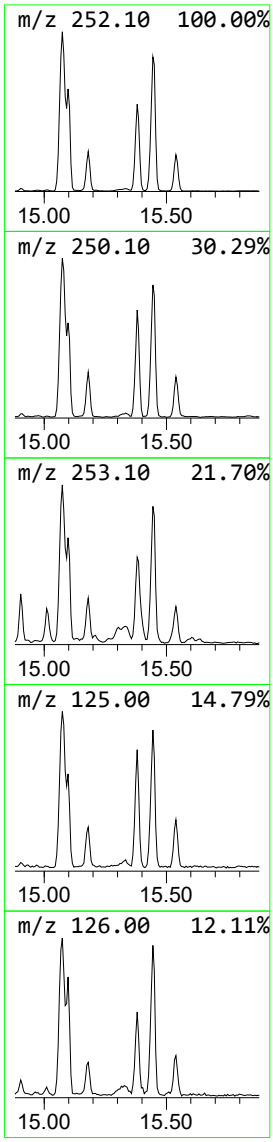
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	31.53 ng	978618	Perylene-d12	15.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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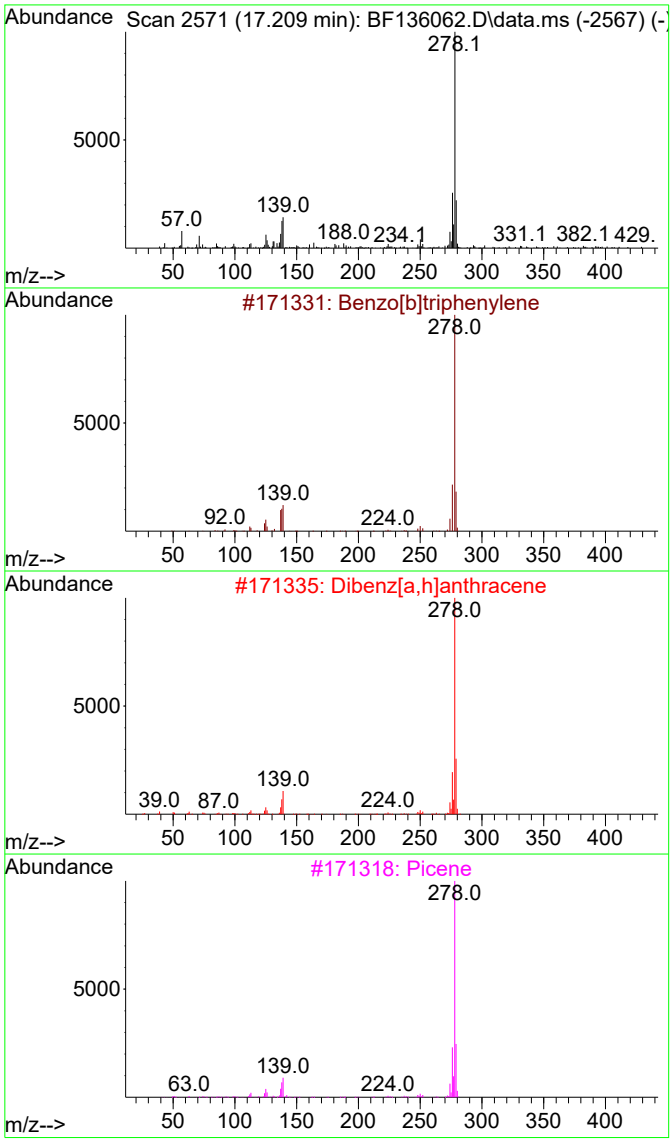
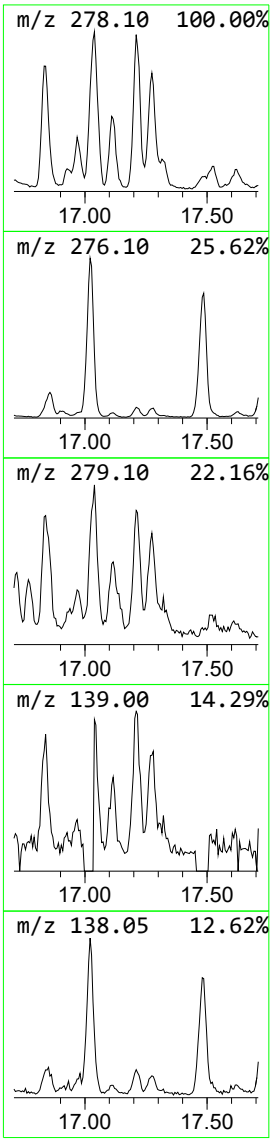
Peak Number 20 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.209	4.91 ng	152283	Perylene-d12	15.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3	Picene	278	C22H14	000213-46-7	93
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Pentaphene	278	C22H14	000222-93-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136062.D
Acq On : 31 Oct 2023 20:41
Operator : CG\JU
Sample : 04858-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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,...	9.445	9.4	ng	323381	3	9.863	685057	20.0
Naphthalene, 2,...	9.522	10.9	ng	372857	3	9.863	685057	20.0
Naphthalene, 2,...	9.545	6.8	ng	232127	3	9.863	685057	20.0
Dibenzofuran, 4...	10.569	5.1	ng	173338	3	9.863	685057	20.0
9H-Fluorene, 1-...	10.963	6.9	ng	310236	4	11.357	902256	20.0
Dibenzothiophene	11.251	6.5	ng	291916	4	11.357	902256	20.0
Phenanthrene, 2...	11.863	15.5	ng	697612	4	11.357	902256	20.0
Phenanthrene, 1...	11.892	24.2	ng	1091440	4	11.357	902256	20.0
Anthracene, 2-m...	11.933	8.2	ng	368335	4	11.357	902256	20.0
4H-Cyclopenta[d...	11.975	26.1	ng	1179050	4	11.357	902256	20.0
Phenanthrene, 4...	11.998	8.1	ng	366957	4	11.357	902256	20.0
Naphthalene, 2-...	12.157	7.9	ng	357718	4	11.357	902256	20.0
Phenanthrene, 2...	12.416	9.9	ng	447292	4	11.357	902256	20.0
Pyrene, 4,5,9,1...	12.451	5.3	ng	238505	4	11.357	902256	20.0
Cyclopenta(def)...	12.498	6.1	ng	273976	4	11.357	902256	20.0
11H-Benzo[a]flu...	13.139	4.8	ng	946824	5	14.021	3946460	20.0
Cinnamyl cinnamate	13.733	6.9	ng	1352960	5	14.021	3946460	20.0
Benzo[e]pyrene	15.180	11.5	ng	355843	6	15.510	620767	20.0
Benzo[j]fluoran...	15.380	31.5	ng	978618	6	15.510	620767	20.0
Benzo[b]triphen...	17.209	4.9	ng	152283	6	15.510	620767	20.0