LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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: BF136061.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.451	568	572	575	rVB	2468883	2209925	34.92%	2.477%
2	5.669	604	609	620	rBV	170290	254215	4.02%	0.285%
3	6.451	738	742	745	rVB	2120711	2044173	32.30%	2.292%
4	6.657	773	777	782	rBV2	132017	179727	2.84%	0.201%
5	6.822	802	805	809	rBV	820633	661333	10.45%	0.741%
6	7.081	845	849	857	rBV	161983	199459	3.15%	0.224%
7	7.381	893	900	903	rBV	1503935	1335207	21.10%	1.497%
8	8.104	1018	1023	1025	rBV	927254	834934	13.19%	0.936%
9	8.122	1025	1026	1029	rVV	574858	383763	6.06%	0.430%
10	8.816	1141	1144	1147	rVB2	310399	230999	3.65%	0.259%
11	8.916	1156	1161	1164	rVB	456238	365546	5.78%	0.410%
12	9.181	1202	1206	1209	rVB	2826309	2225677	35.17%	2.495%
13	9.445	1247	1251	1255	rBV2	213082	285785	4.52%	0.320%
14	9.522	1260	1264	1266	rBV	408291	391074	6.18%	0.438%
15	9.586	1273	1275	1278	rVB	327353	250272	3.95%	0.281%
16	9.633	1280	1283	1285	rBV2	201329	183512	2.90%	0.206%
17	9.722	1295	1298	1302	rBV	1264769	1026995	16.23%	1.151%
18	9.775	1302	1307	1309	rVB2	160961	174659	2.76%	0.196%
19	9.863	1319	1322	1325	rVB	879869	710612	11.23%	0.797%
20	9.892	1325	1327	1331	rBV	493952	422775	6.68%	0.474%
21	9.969	1336	1340	1344	rBV	152274	182981	2.89%	0.205%
22	10.063	1353	1356	1359	rVB2	344831	329525	5.21%	0.369%
23	10.180	1371	1376	1378	rBV2	266841	349265	5.52%	0.392%
24	10.269	1387	1391	1393	rBV3	220702	254171	4.02%	0.285%
25	10.410	1412	1415	1421	rVB2	581544	625978	9.89%	0.702%
26	10.475	1421	1426	1428	rBV3	144726	183191	2.89%	0.205%
27	10.522	1432	1434	1437	rVV2	248883	209947	3.32%	0.235%
28	10.651	1451	1456	1460	rBV2	1702780	1531109	24.20%	1.716%
29	10.780	1475	1478	1483	rVV2	512370	690587	10.91%	0.774%
30	10.963	1504	1509	1512	rBV2	387867	495654	7.83%	0.556%
31	10.992	1512	1514	1517	rVV2	285281	269982	4.27%	0.303%
32	11.045	1520	1523	1526	rVV	261135	218104	3.45%	0.245%
33	11.116	1532	1535	1537	rVV2	220149	231548	3.66%	0.260%
34	11.163	1540	1543	1548	rVV2	212006	244171	3.86%	0.274%
35	11.204	1548	1550	1552	rVV2	185916	180859	2.86%	0.203%
36	11.233	1552	1555	1556	rVV	313358	303438	4.80%	0.340%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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	11.251	1556	1558	1563	rVB2	824966	865891	13.68%	0.971%
38	11.357	1572	1576	1578	rBV	919639	850040	13.43%	0.953%
39	11.380	1578	1580	1584	rVV	2546232	2189715	34.60%	2.455%
40	11.433	1585	1589	1592	rVB	1456337	1128075	17.83%	1.265%
41	11.469	1592	1595	1598	rBV2	274667	340702	5.38%	0.382%
42	11.657	1625	1627	1630	rBV2	445240	399077	6.31%	0.447%
43	11.692	1630	1633	1636	rVB	697177	586929	9.27%	0.658%
44	11.774	1643	1647	1651	rVB	571971	623010	9.85%	0.698%
45	11.863	1659	1662	1665	rVV2	1197354	1337254	21.13%	1.499%
46	11.892	1665	1667	1671	rVV	1474892	1218534	19.26%	1.366%
47	11.939	1672	1675	1677	rVV	654390	590761	9.34%	0.662%
48	11.974	1678	1681	1684	rVV2	2102736	2416430	38.19%	2.709%
49	11.998	1684	1685	1690	rVB	1090376	808130	12.77%	0.906%
50	12.098	1700	1702	1704	rVB	373671	274777	4.34%	0.308%
51	12.163	1710	1713	1715	rBV2	719801	567505	8.97%	0.636%
52	12.292	1733	1735	1737	rBV	333060	307896	4.87%	0.345%
53	12.345	1742	1744	1746	rVV	481275	456165	7.21%	0.511%
54	12.369	1746	1748	1751	rVB2	462404	402354	6.36%	0.451%
55	12.427	1754	1758	1760	rBV	1127955	1289148	20.37%	1.445%
56	12.463	1760	1764	1766	rVV3	876675	1045689	16.52%	1.172%
57	12.527	1770	1775	1778	rBV2	479168	781881	12.36%	0.877%
58	12.598	1783	1787	1790	rVV	3858726	4176596	66.00%	4.682%
59	12.633	1790	1793	1794	rVV	490842	493796	7.80%	0.554%
60	12.680	1798	1801	1804	rVV	778770	859602	13.58%	0.964%
61	12.733	1808	1810	1815	rVV3	641317	981896	15.52%	1.101%
62	12.821	1819	1825	1830	rVV	4851081	6328167	100.00%	7.094%
63	12.874	1831	1834	1837	rVV2	456513	535275	8.46%	0.600%
64	12.927	1841	1843	1845	rVV2	388172	392384	6.20%	0.440%
65	12.963	1845	1849	1855	rVV	2975738	3164025	50.00%	3.547%
66	13.033	1858	1861	1865	rVV	831213	1182671	18.69%	1.326%
67	13.086	1868	1870	1873	rVV2	420448	479025	7.57%	0.537%
68	13.121	1873	1876	1877	rVV2	756719	819331	12.95%	0.919%
69	13.145	1878	1880	1883	rVB	1611023	1376495	21.75%	1.543%
70	13.210	1889	1891	1894	rVB	1134943	1045489	16.52%	1.172%
71	13.251	1894	1898	1902	rBV2	1222727	1231946	19.47%	1.381%
72	13.345	1911	1914	1916	rVB	961737	820584	12.97%	0.920%
73	13.374	1916	1919	1922	rVB	1070847	931078	14.71%	1.044%
74	13.633	1960	1963	1965	rBV3	263256	364763	5.76%	0.409%
75	13.768	1981	1986	1989	rBV2	1066492	1284403	20.30%	1.440%
76	13.798	1989	1991	1993	rVV	645292	491735	7.77%	0.551%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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	13.821	1993	1995	1998	rVV2	315554	261544	4.13%	0.293%
78	13.939	2012	2015	2018	rVB	280153	270263	4.27%	0.303%
79	14.016	2023	2028	2031	rBV2	3043946	4110774	64.96%	4.608%
80	14.051	2031	2034	2039	rVB	2906746	2936381	46.40%	3.292%
81	14.110	2041	2044	2045	rBV	353392	298023	4.71%	0.334%
82	14.163	2051	2053	2055	rBV	237934	233601	3.69%	0.262%
83	14.274	2070	2072	2076	rVB	366749	361047	5.71%	0.405%
84	14.374	2087	2089	2090	rBV	236417	183441	2.90%	0.206%
85	14.410	2093	2095	2099	rVV	975554	987696	15.61%	1.107%
86	14.445	2099	2101	2104	rVB	669493	480863	7.60%	0.539%
87	14.504	2109	2111	2114	rVV2	674940	658434	10.40%	0.738%
88	14.533	2114	2116	2118	rVV	607249	638011	10.08%	0.715%
89	14.557	2118	2120	2124	rVB2	674965	603828	9.54%	0.677%
90	15.080	2204	2209	2212	rBV	1432923	2403174	37.98%	2.694%
91	15.186	2224	2227	2231	rVB	527550	582151	9.20%	0.653%
92	15.392	2257	2262	2268	rVB	1113580	1490616	23.56%	1.671%
93	15.457	2268	2273	2278	rVV	1692333	2187422	34.57%	2.452%
94	15.515	2280	2283	2286	rVV	503604	634161	10.02%	0.711%
95	15.551	2286	2289	2296	rVB2	431102	653101	10.32%	0.732%
96	16.251	2405	2408	2412	rBV2	129250	179561	2.84%	0.201%
97	17.039	2535	2542	2550	rVB2	598008	1263521	19.97%	1.416%
98	17.280	2580	2583	2588	rBV2	125449	204608	3.23%	0.229%
99	17.504	2613	2621	2630	rVB	487808	1126006	17.79%	1.262%
100	17.739	2657	2661	2668	rVB	174835	342173	5.41%	0.384%

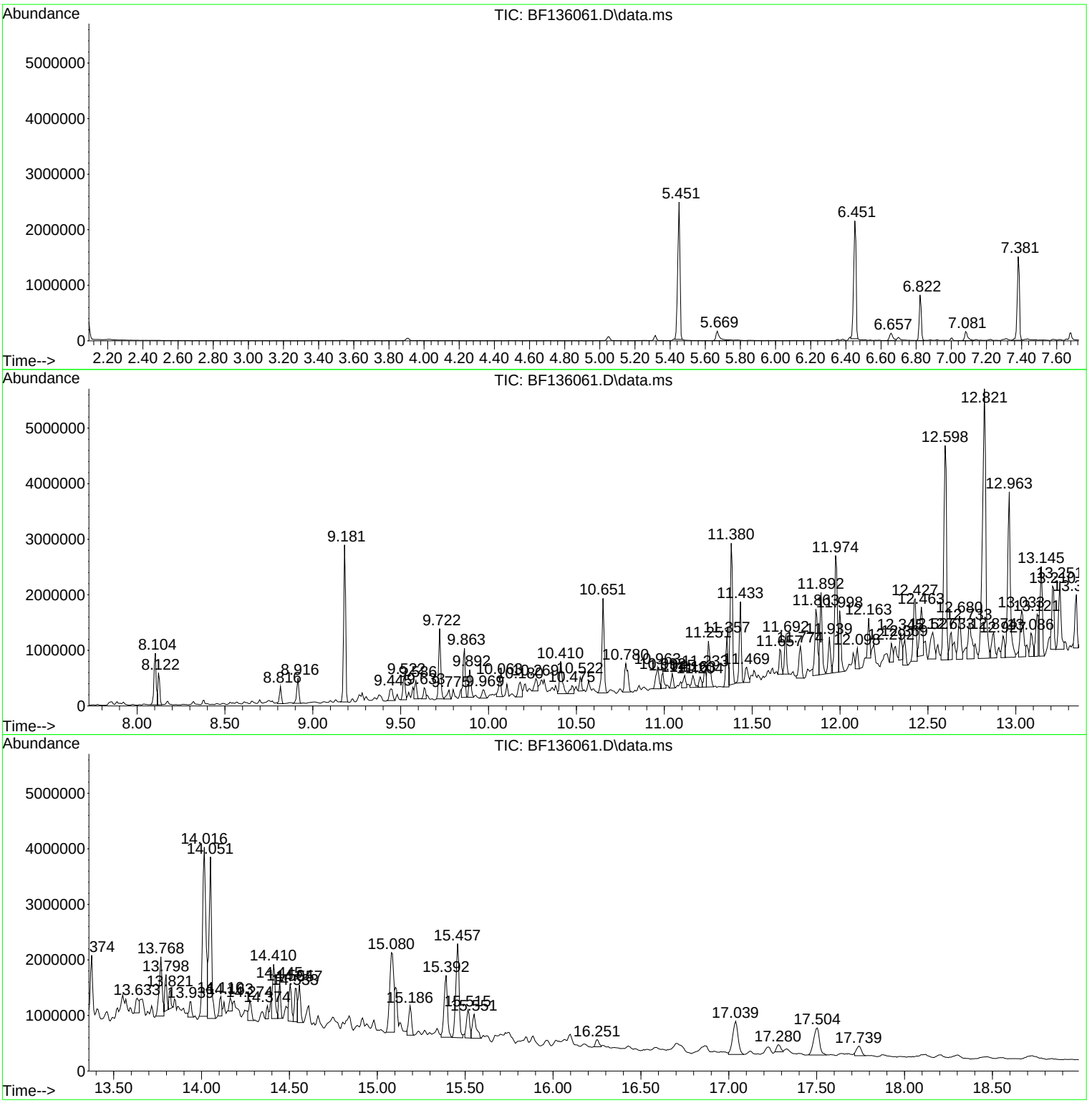
Sum of corrected areas: 89200776

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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 : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

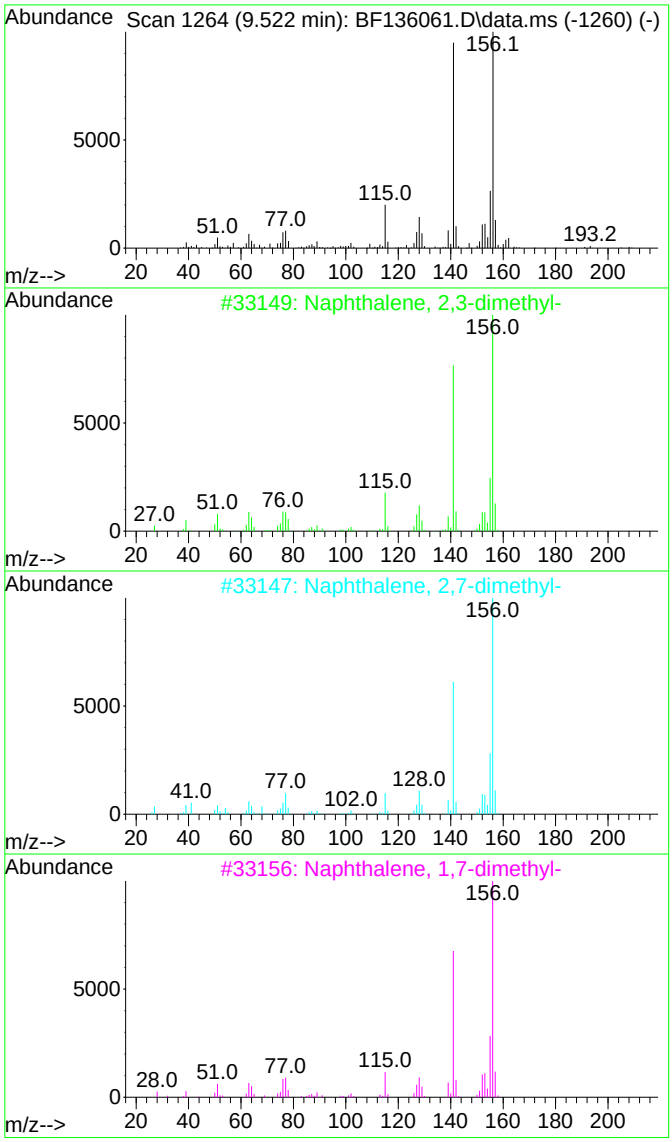
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

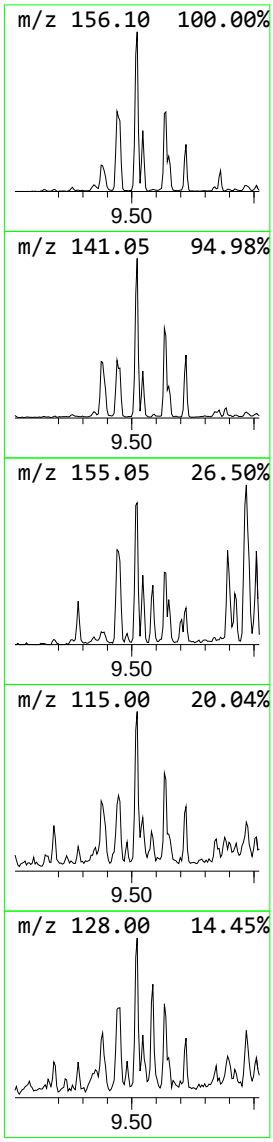
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	11.01 ng	391074	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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

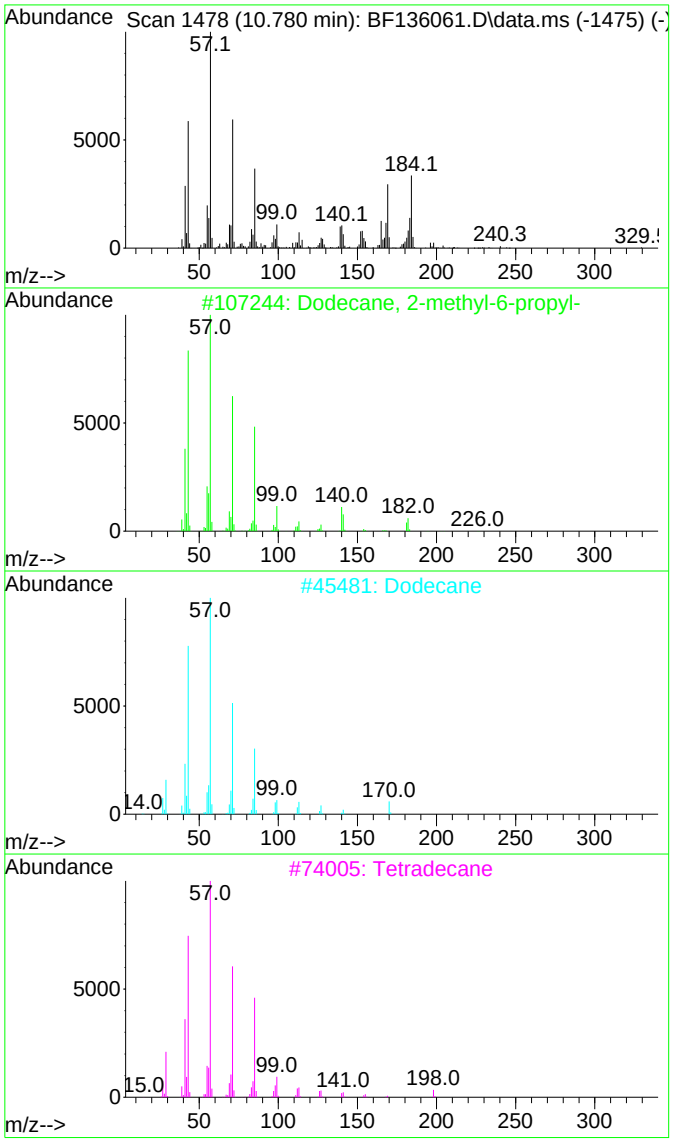
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

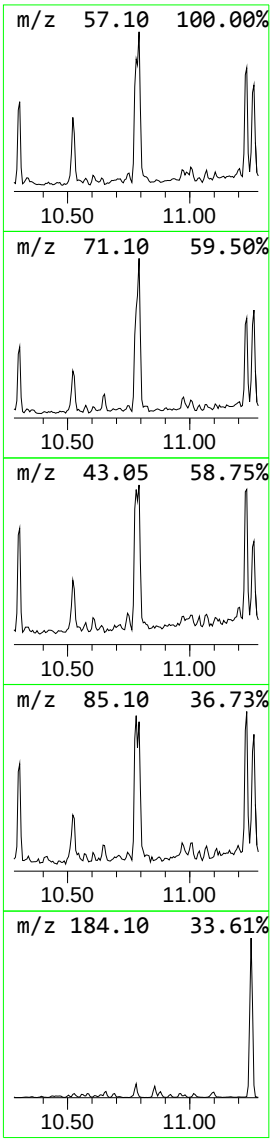
****

Peak Number 2 Dodecane, 2-methyl-6-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.780	16.25 ng	690587	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	52
2	Dodecane	170	C12H26	000112-40-3	42
3	Tetradecane	198	C14H30	000629-59-4	42
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	41
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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

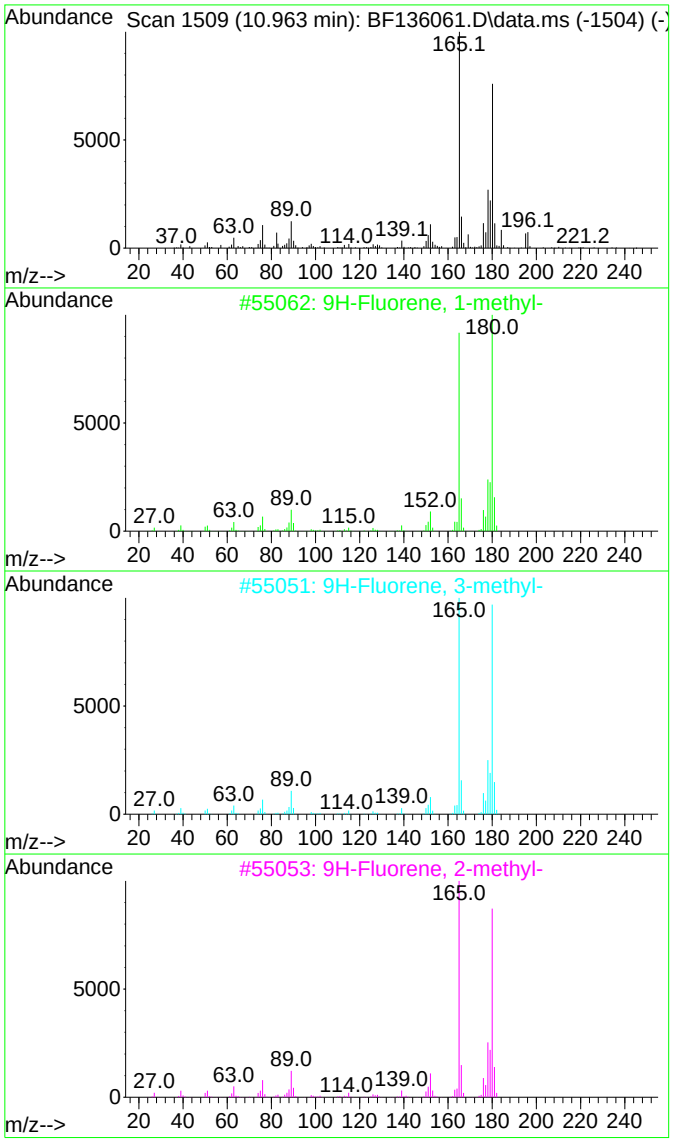
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

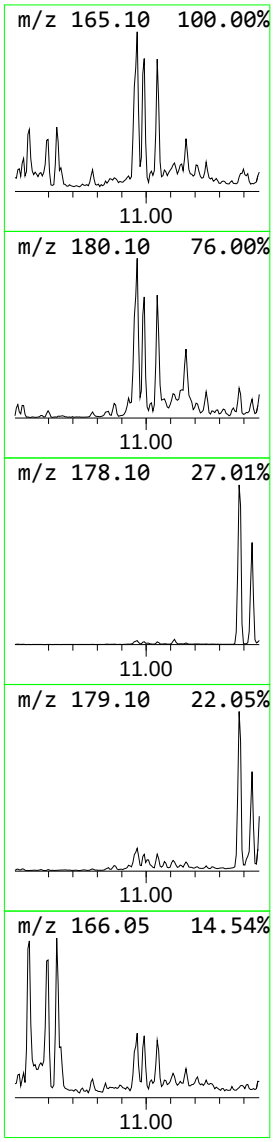
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	11.66 ng	495654	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, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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

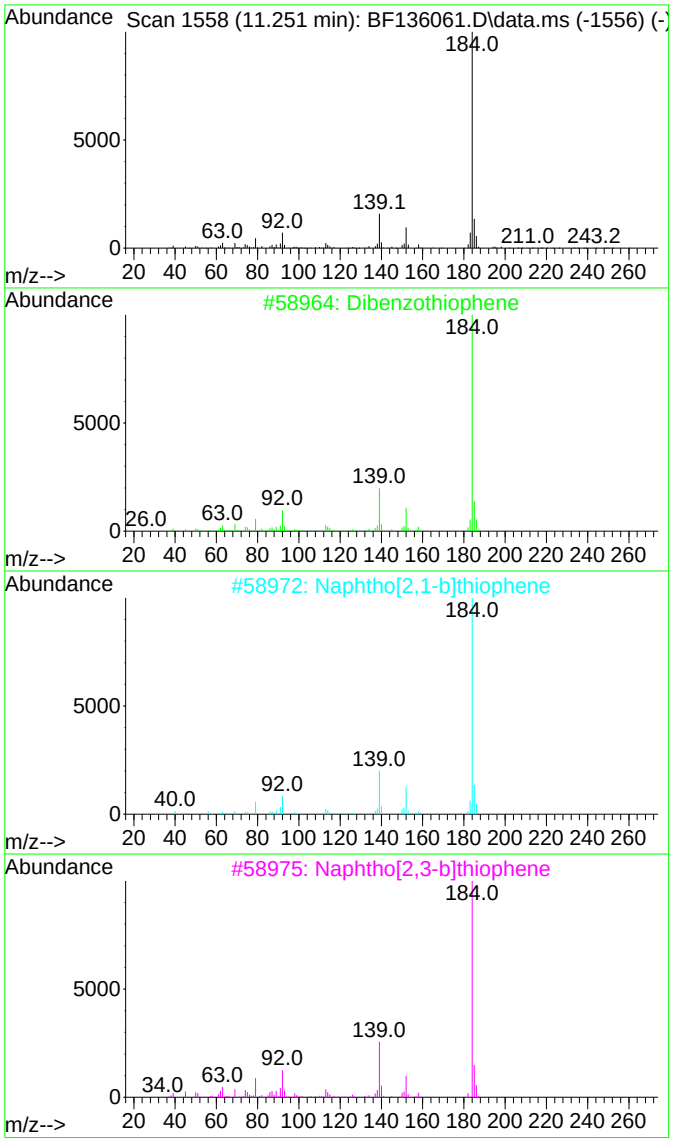
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

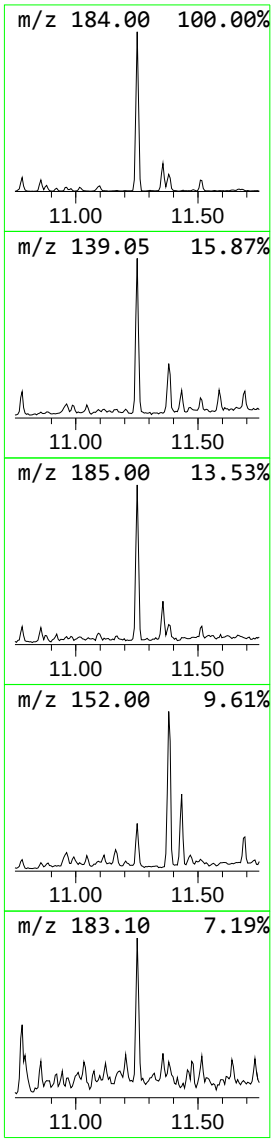
****

Peak Number 4 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	20.37 ng	865891	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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

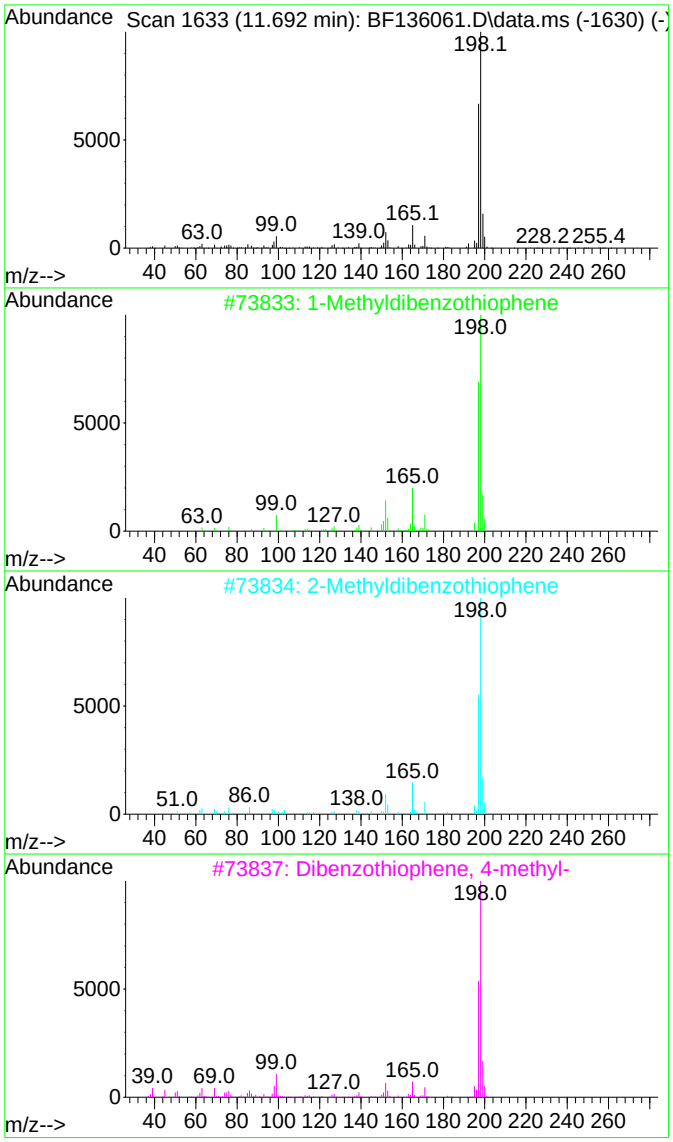
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

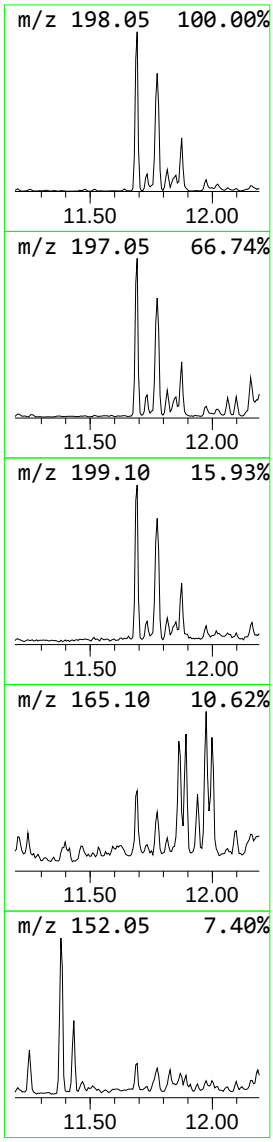
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	13.81 ng	586929	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72





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Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

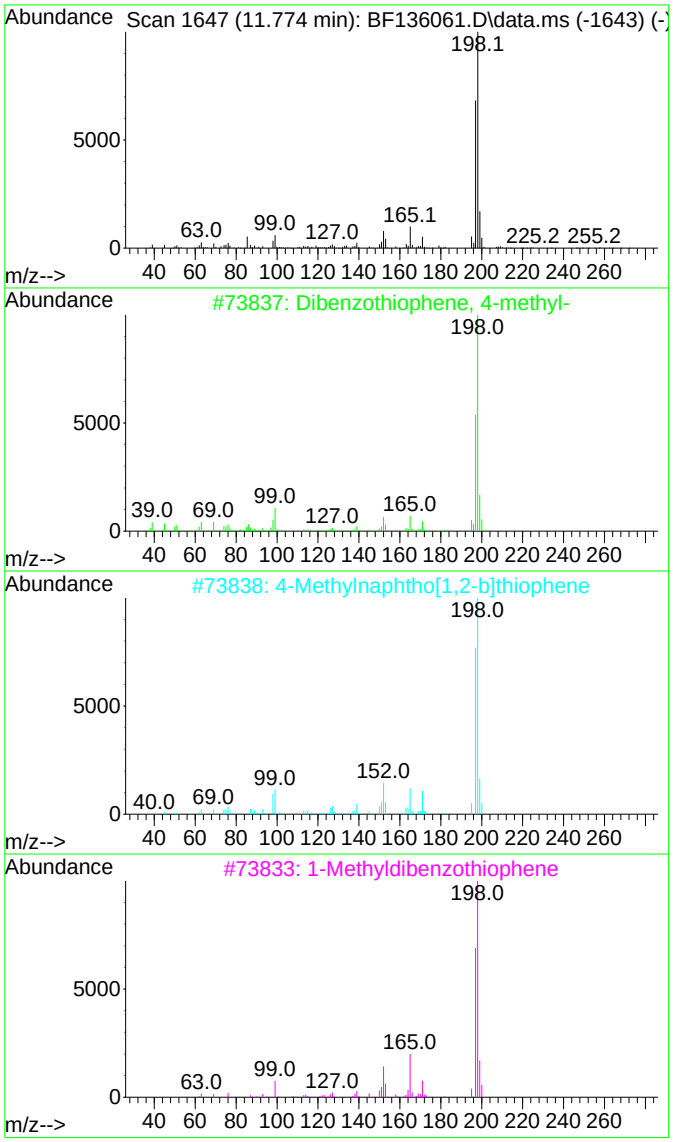
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

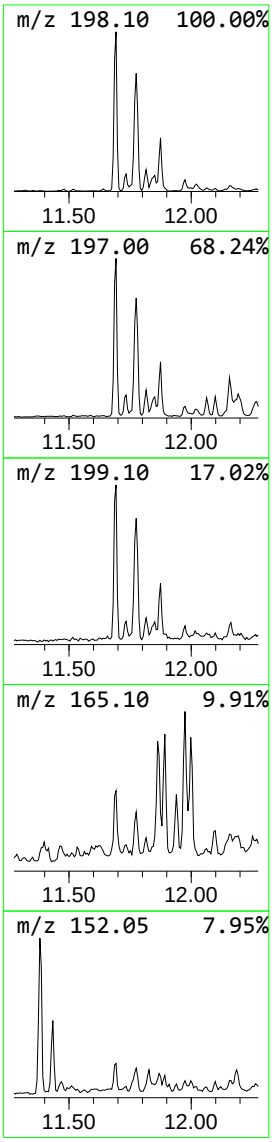
****

Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	14.66 ng	623010	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91





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Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-4(50FT)(0-5)

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

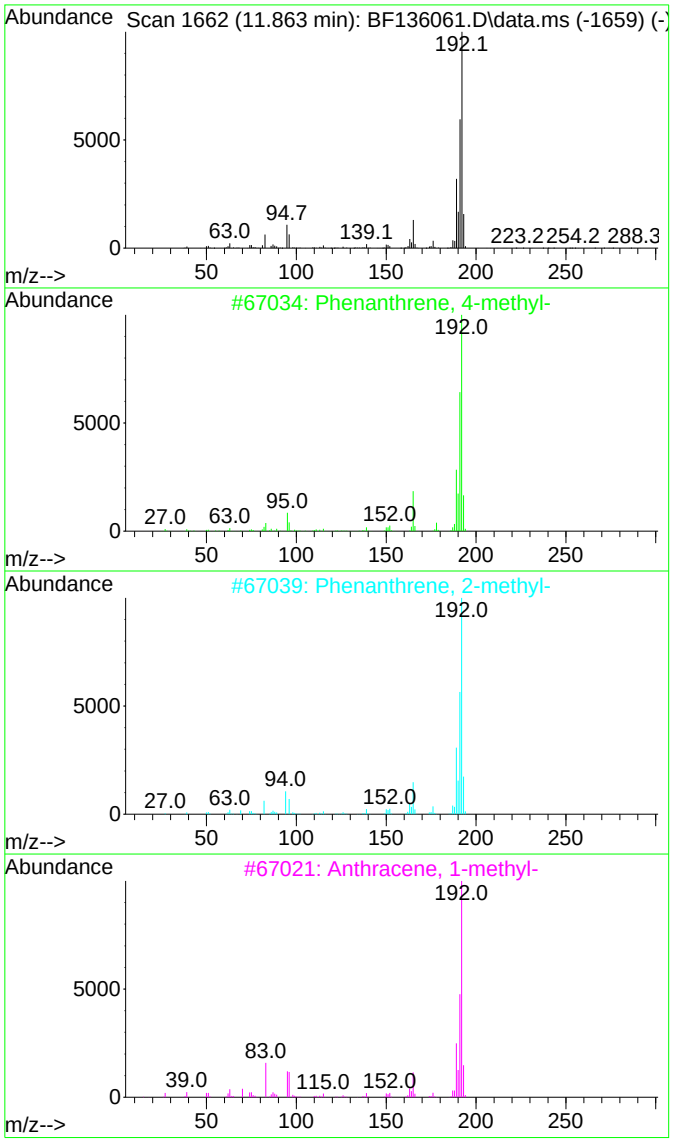
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

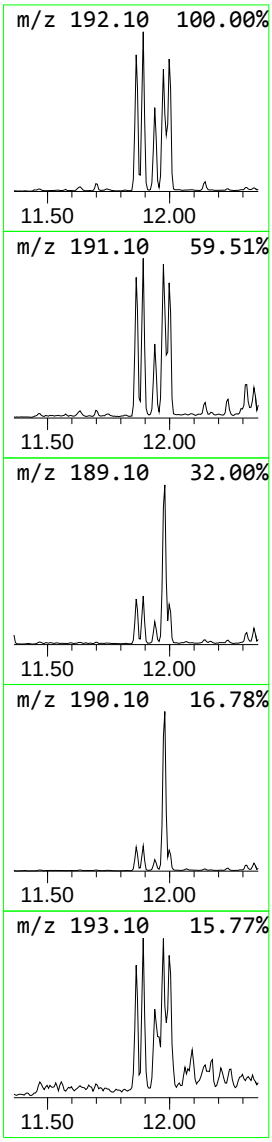
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	31.46 ng	1337250	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

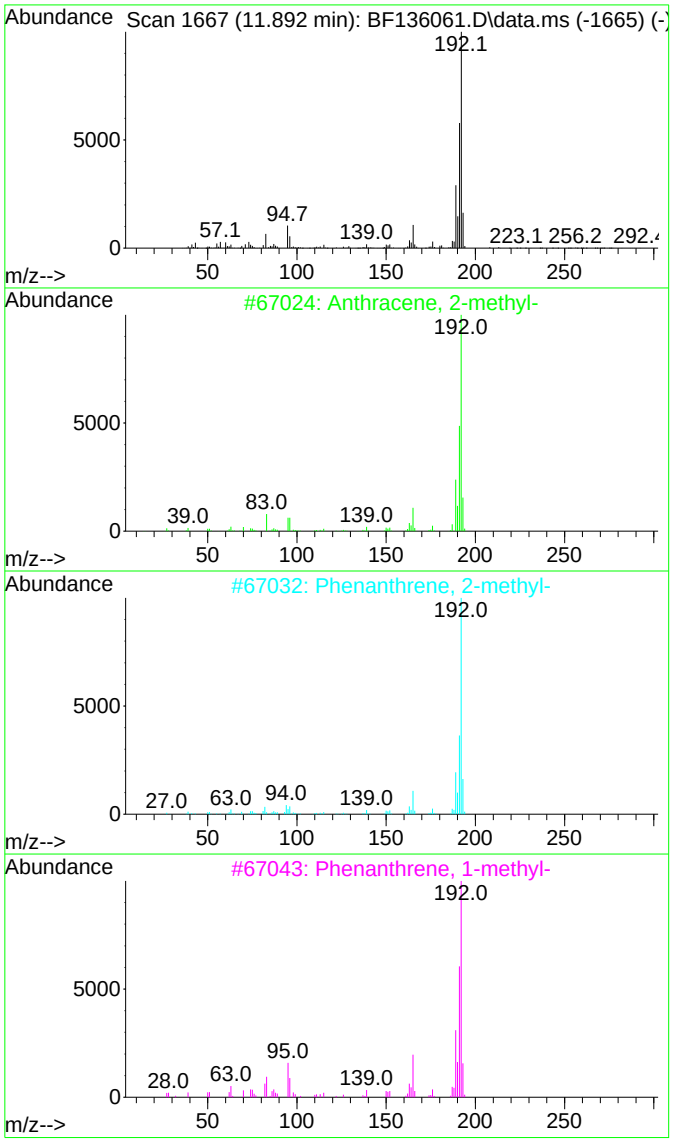
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

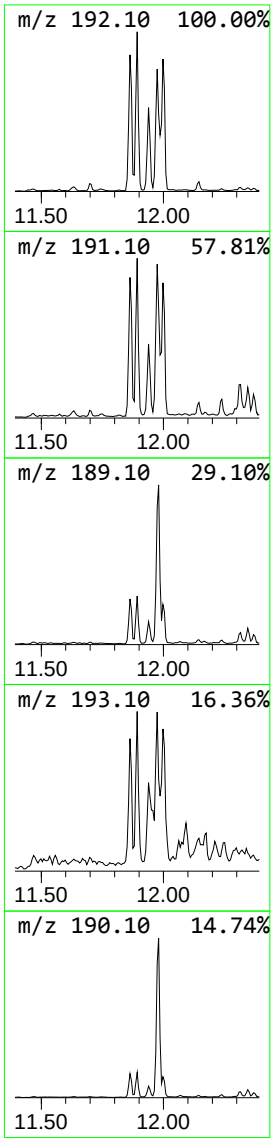
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	28.67 ng	1218530	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

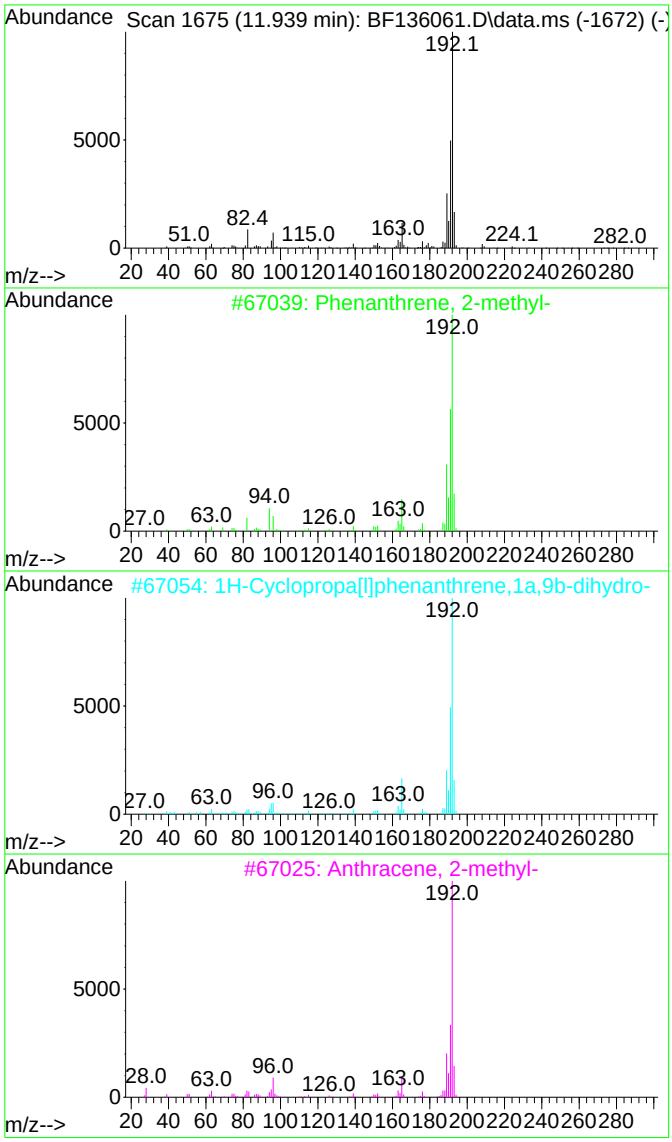
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

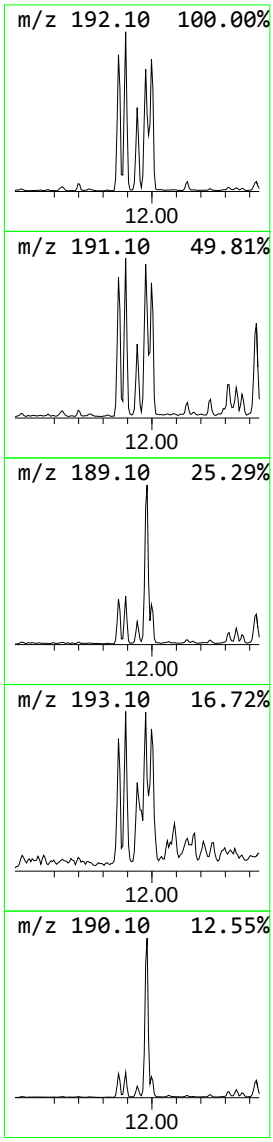
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	13.90 ng	590761	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-4(50FT)(0-5)

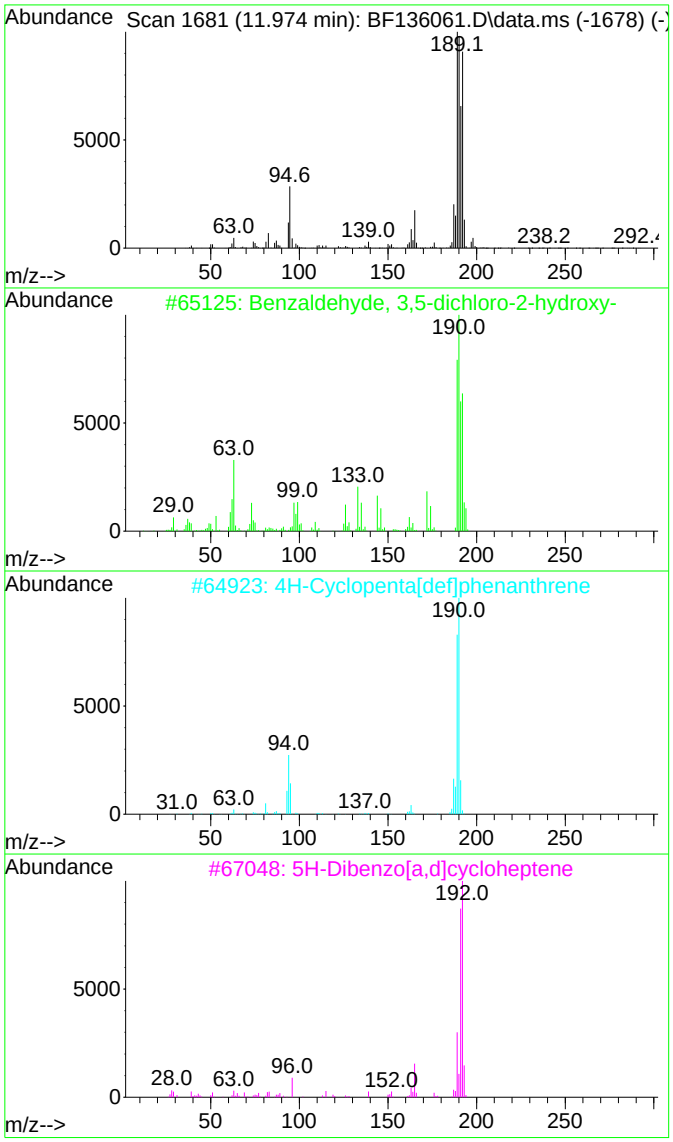
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

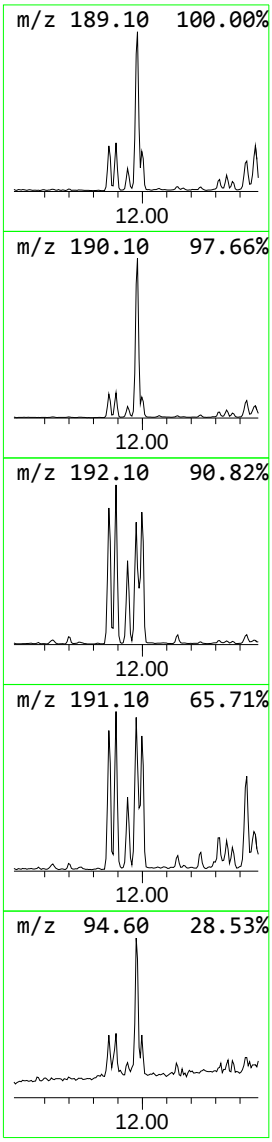
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	56.85 ng	2416430	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38





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Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-4(50FT)(0-5)

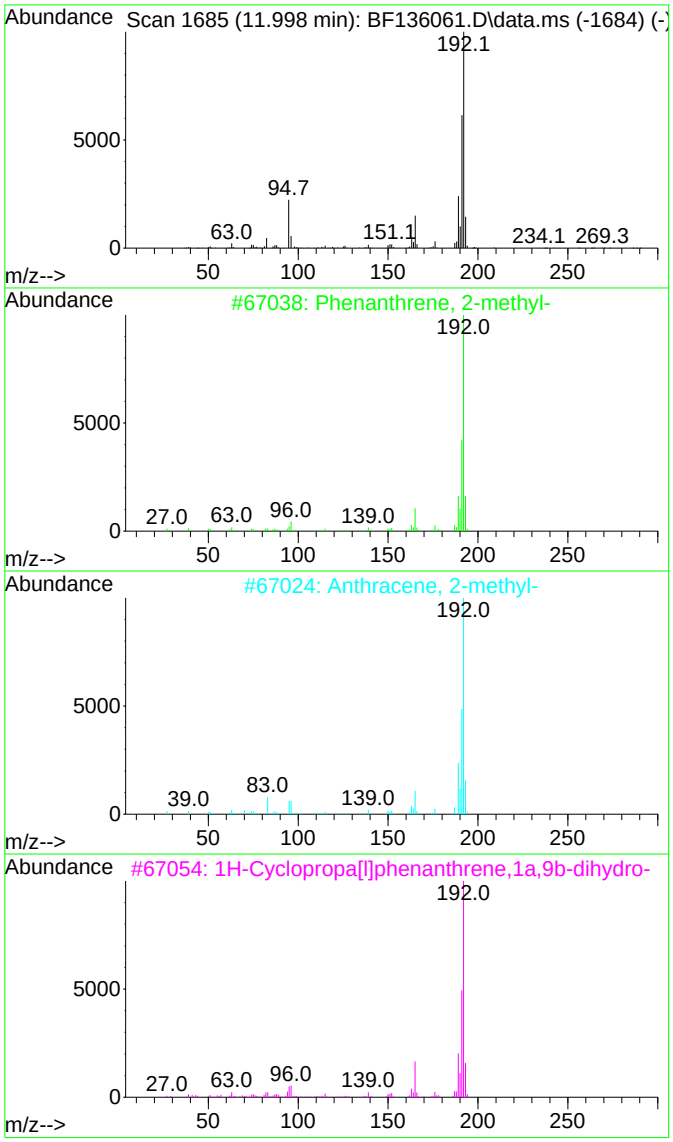
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

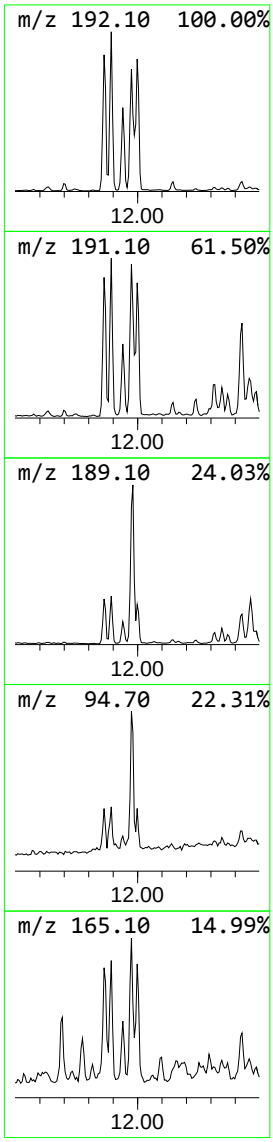
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	19.01 ng	808130	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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

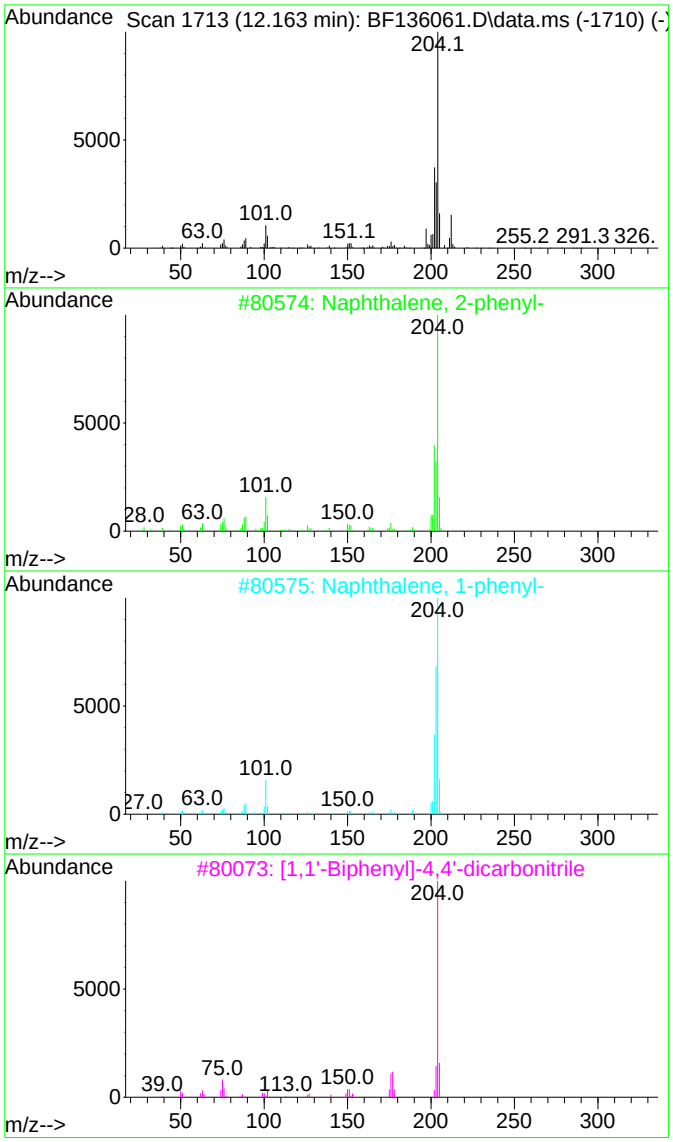
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

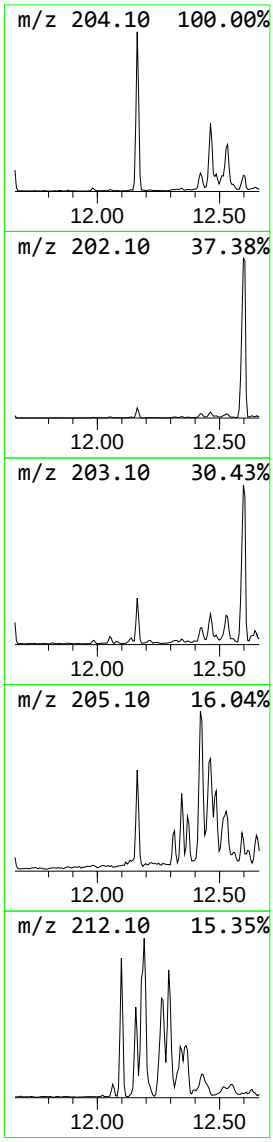
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	13.35 ng	567505	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	46





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Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-4(50FT)(0-5)

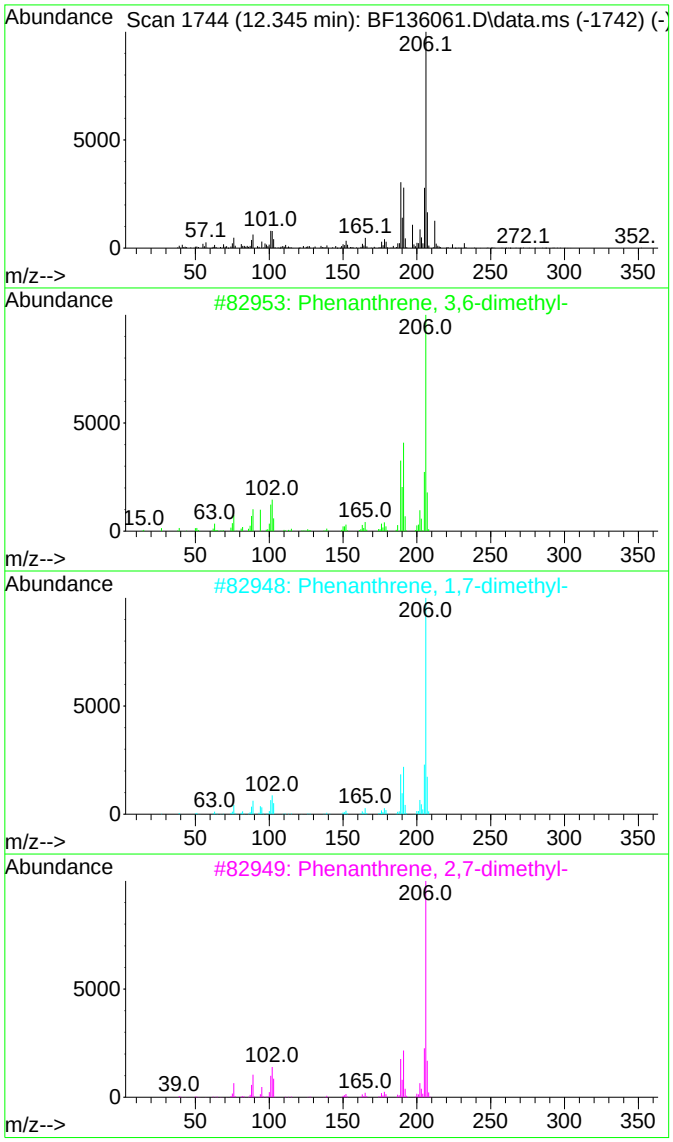
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

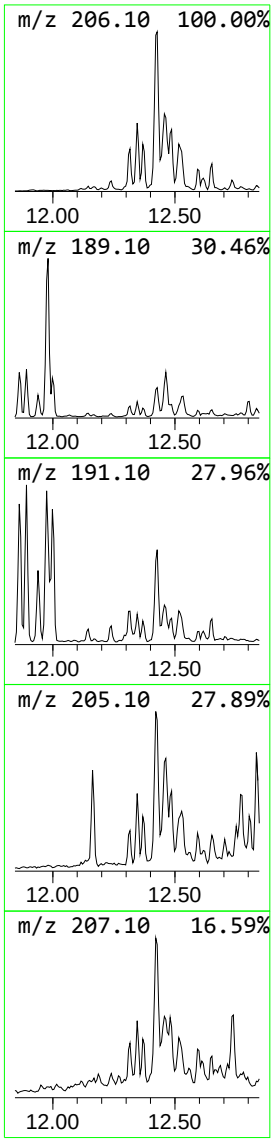
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	10.73 ng	456165	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76





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Sample : 05040-01
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-4(50FT)(0-5)

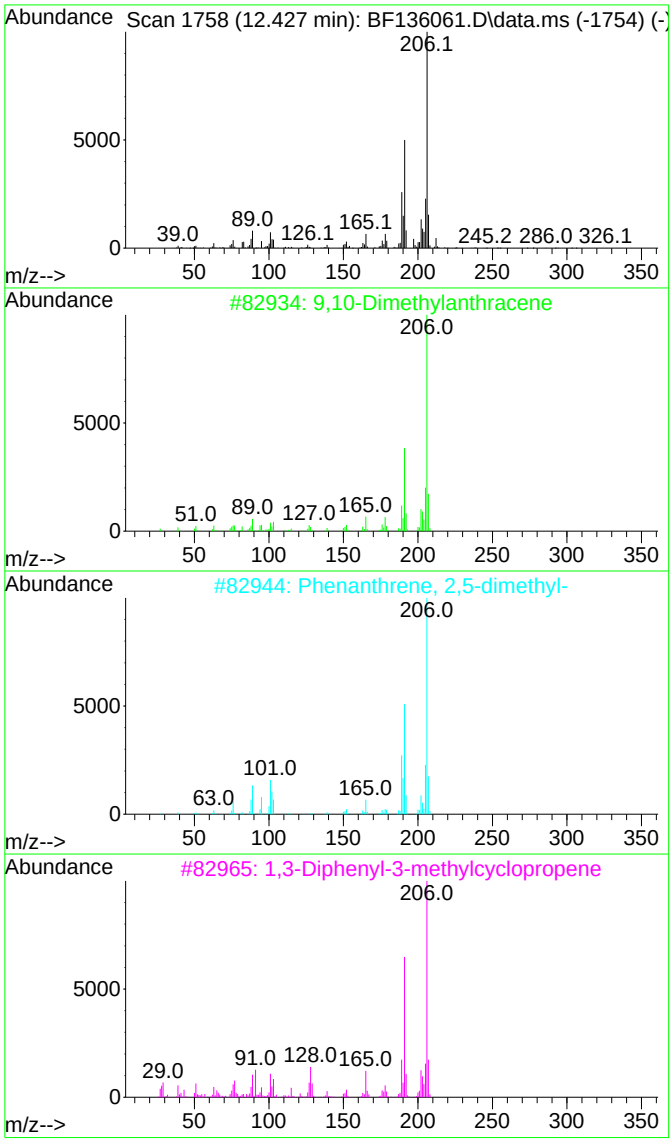
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

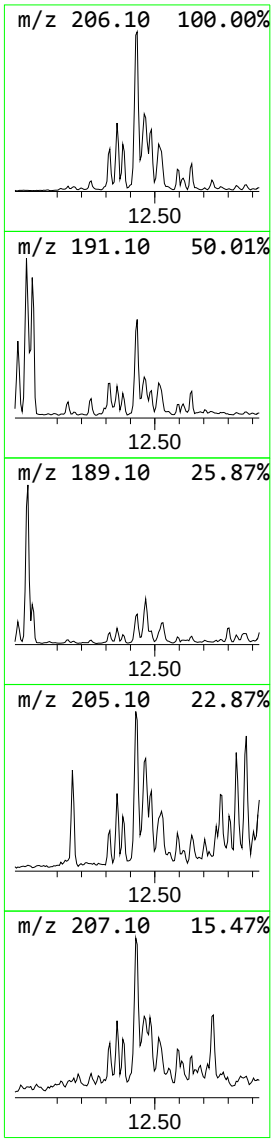
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	30.33 ng	1289150	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Instrument :
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ClientSampleId :
M-4(50FT)(0-5)

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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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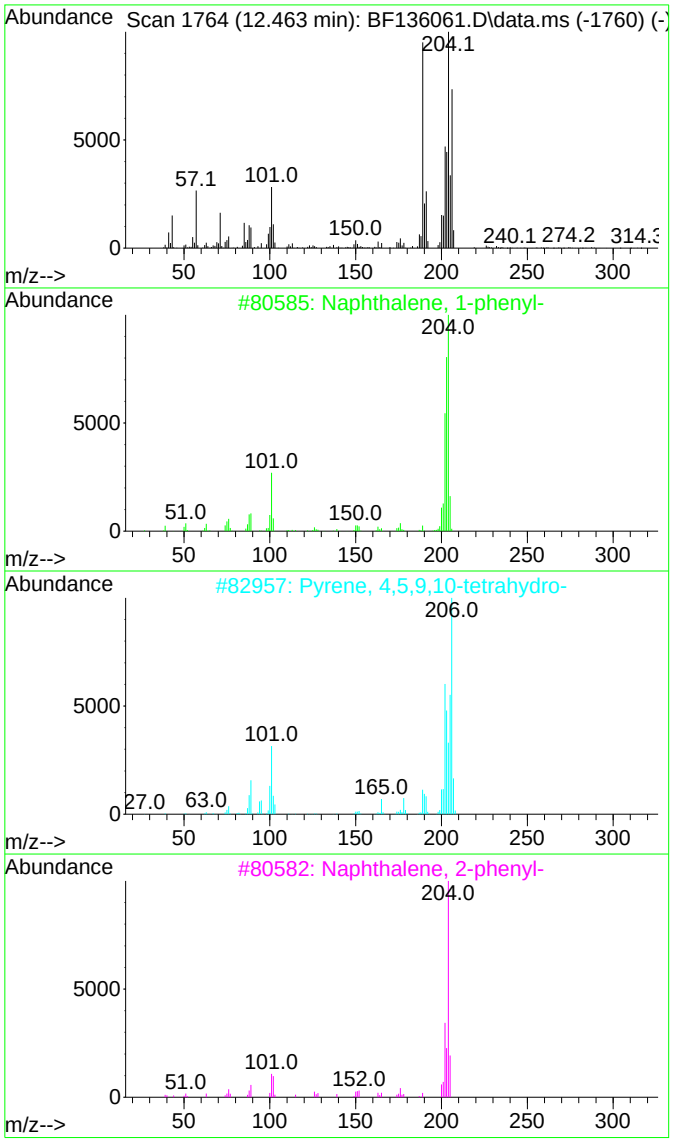
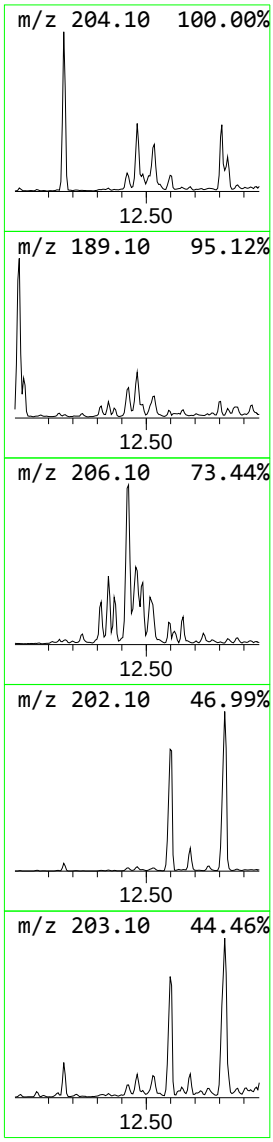
Peak Number 15 unknown12.463 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	24.60 ng	1045690	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	48
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-4(50FT)(0-5)

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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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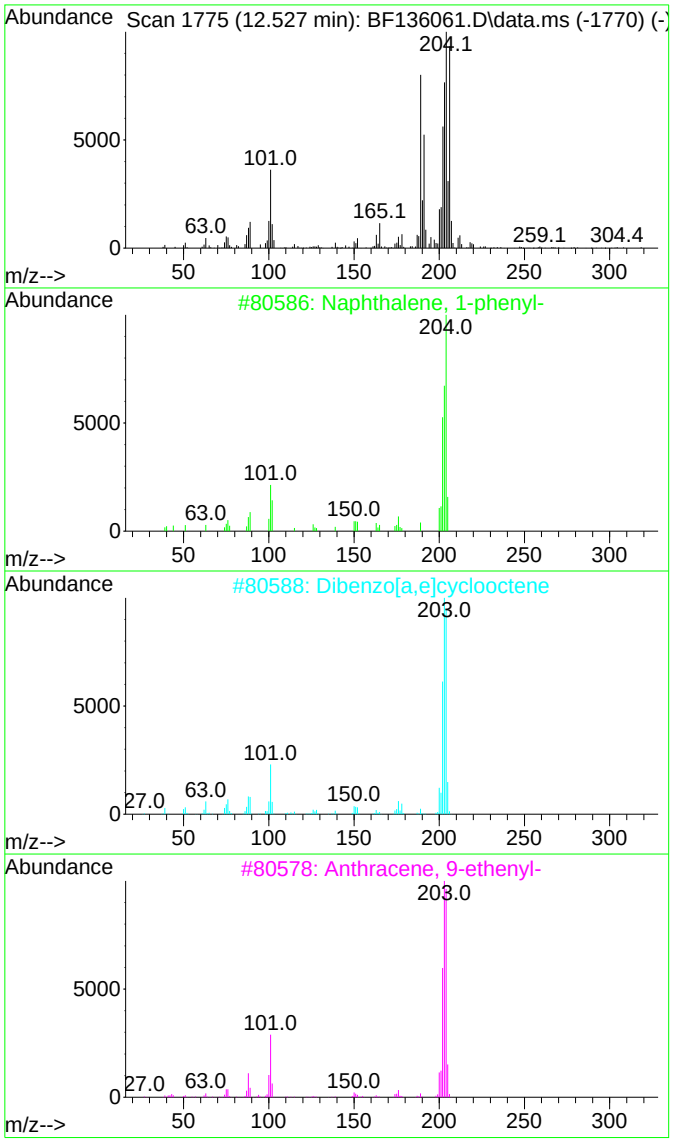
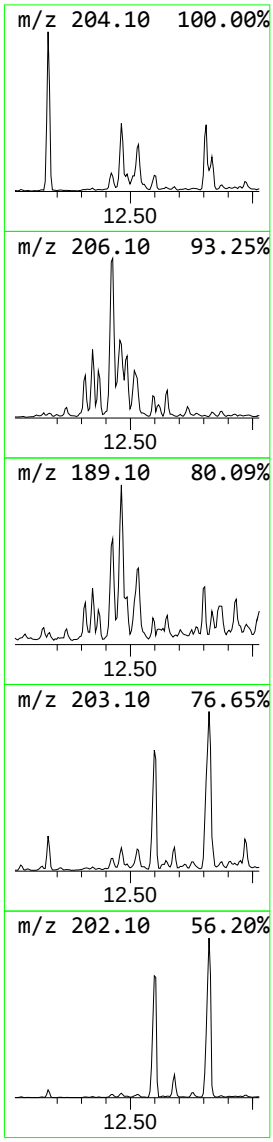
Peak Number 16 unknown12.527 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	18.40 ng	781881	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	42
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	42
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	41





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Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

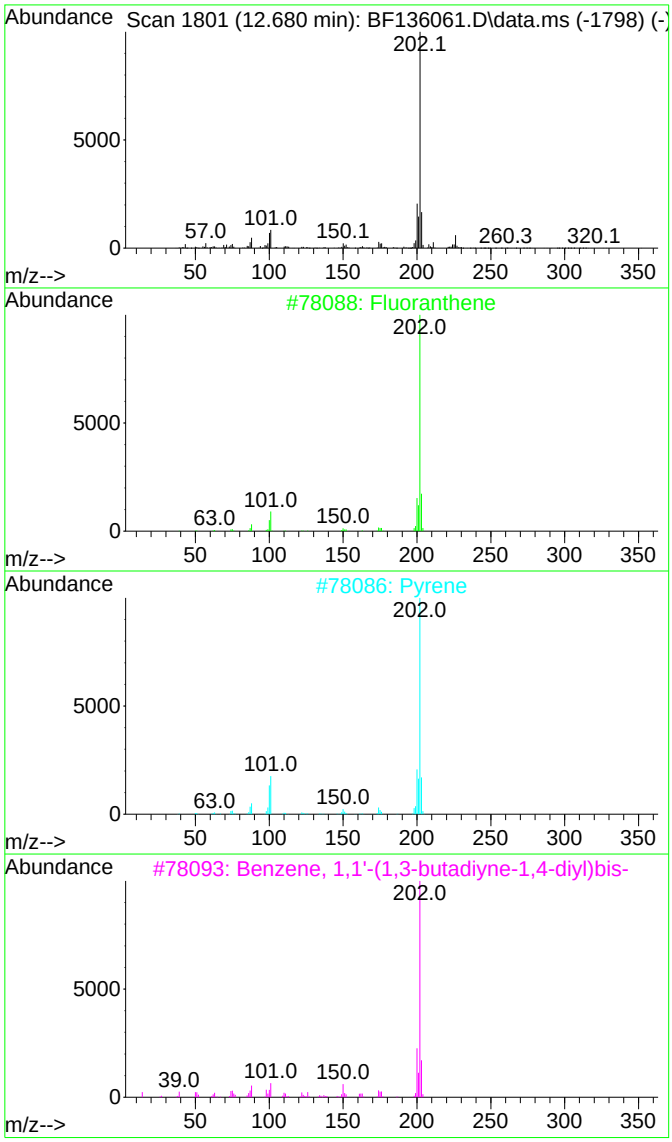
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

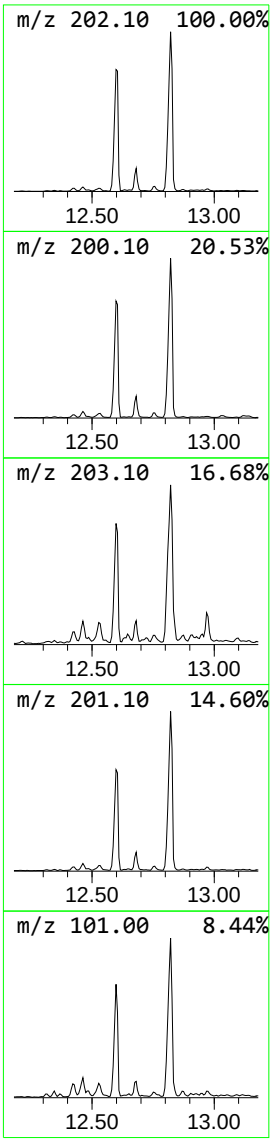
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.680	20.23 ng	859602	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	89
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
4	2-pyrazinol, 3-bromo-5,6-dimethyl-	202	C6H7BrN2O	1010396-05-3	38
5	l-Leucyl-l-leucine, N,N'-dimethy...	472	C25H48N2O6	1000328-59-4	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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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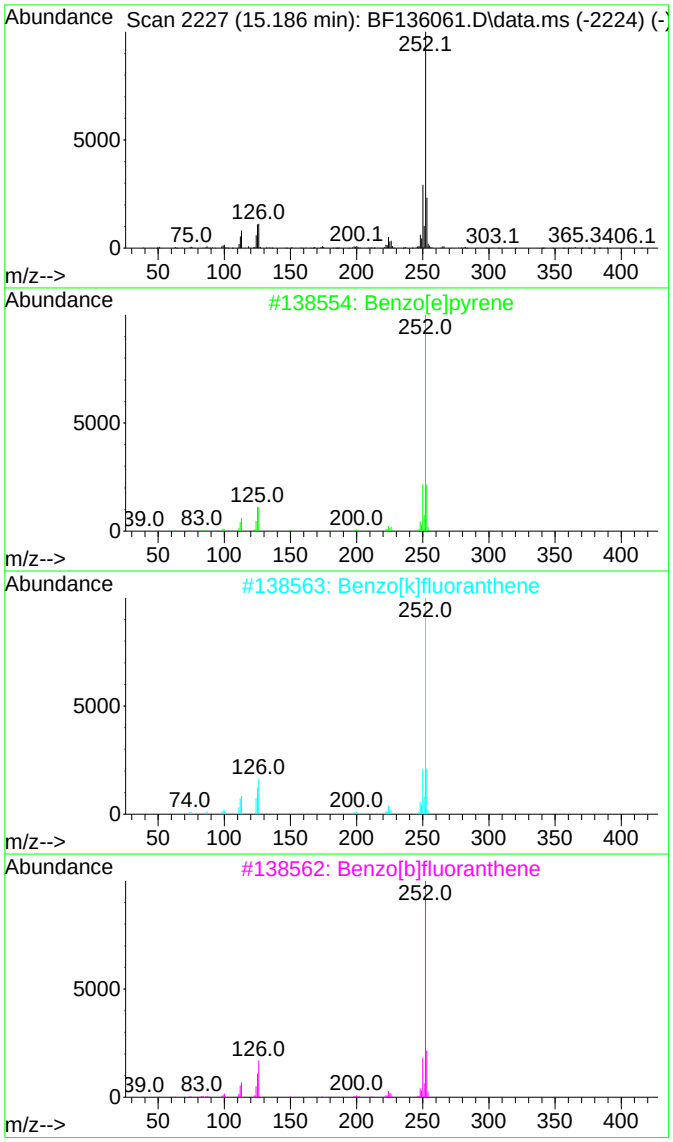
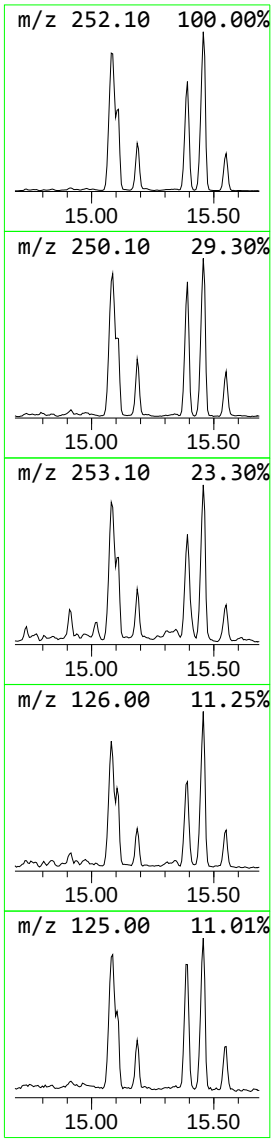
Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.186	18.36 ng	582151	Perylene-d12	15.515

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	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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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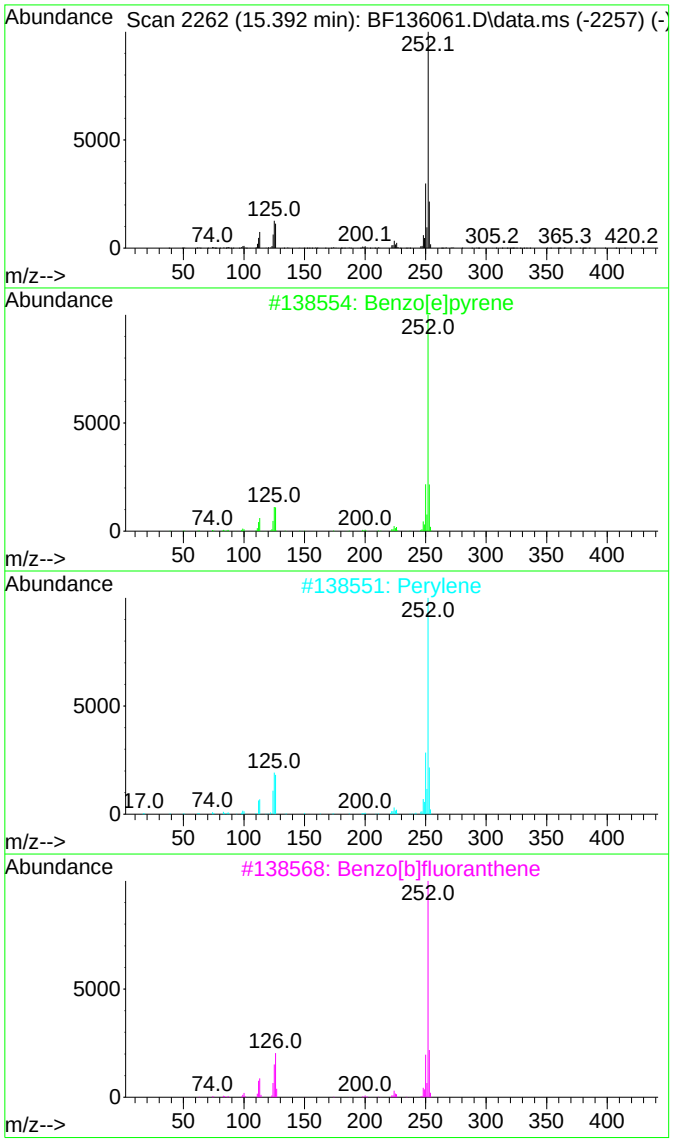
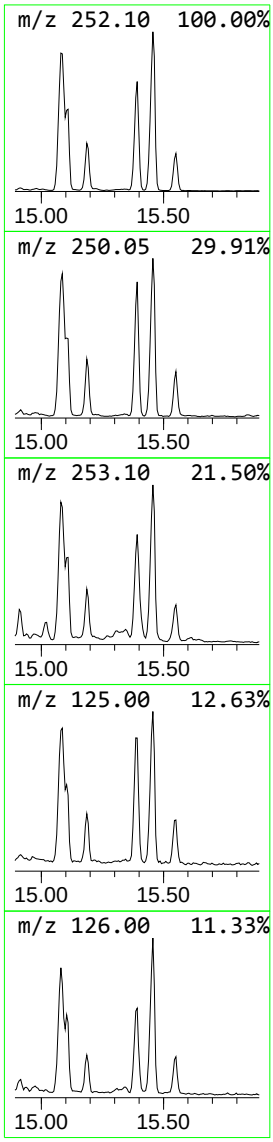
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	47.01 ng	1490620	Perylene-d12	15.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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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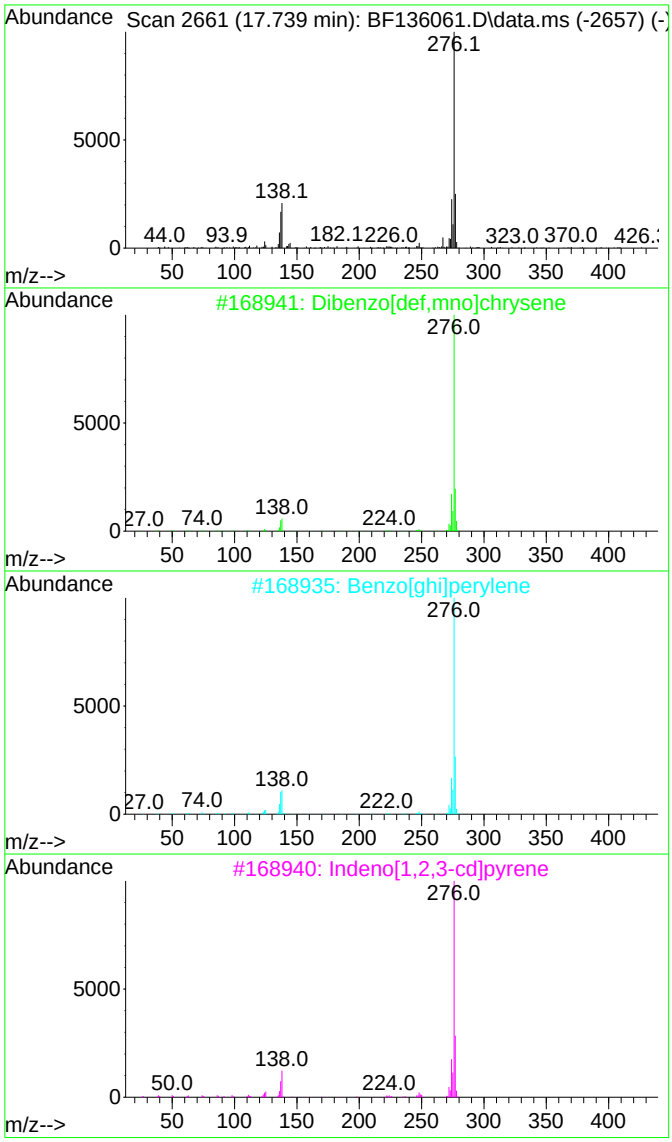
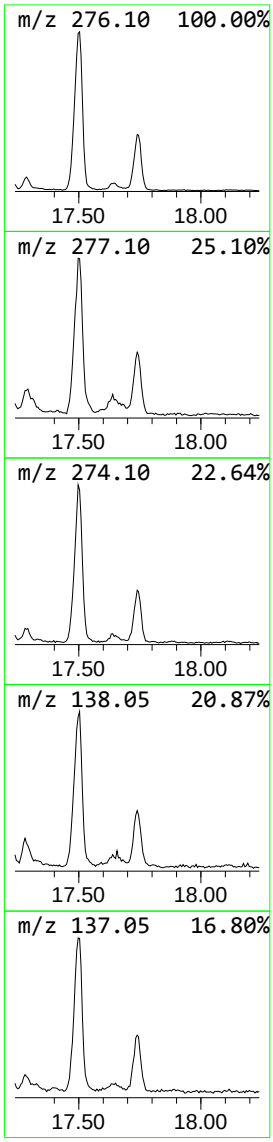
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.739	10.79 ng	342173	Perylene-d12	15.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

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,...	9.522	11.0	ng	391074	3	9.863	710612	20.0
Dodecane, 2-met...	10.780	16.3	ng	690587	4	11.357	850040	20.0
9H-Fluorene, 1-...	10.963	11.7	ng	495654	4	11.357	850040	20.0
Dibenzothiophene	11.251	20.4	ng	865891	4	11.357	850040	20.0
1-Methyldibenzo...	11.692	13.8	ng	586929	4	11.357	850040	20.0
Dibenzothiophen...	11.775	14.7	ng	623010	4	11.357	850040	20.0
Phenanthrene, 4...	11.863	31.5	ng	1337250	4	11.357	850040	20.0
Anthracene, 2-m...	11.892	28.7	ng	1218530	4	11.357	850040	20.0
Phenanthrene, 2...	11.939	13.9	ng	590761	4	11.357	850040	20.0
Benzaldehyde, 3...	11.975	56.9	ng	2416430	4	11.357	850040	20.0
1H-Cyclopropa[l...	11.998	19.0	ng	808130	4	11.357	850040	20.0
Naphthalene, 2-...	12.163	13.4	ng	567505	4	11.357	850040	20.0
Phenanthrene, 3...	12.345	10.7	ng	456165	4	11.357	850040	20.0
9,10-Dimethylan...	12.427	30.3	ng	1289150	4	11.357	850040	20.0
unknown12.463	12.463	24.6	ng	1045690	4	11.357	850040	20.0
unknown12.527	12.527	18.4	ng	781881	4	11.357	850040	20.0
Benzene, 1,1'-(...	12.680	20.2	ng	859602	4	11.357	850040	20.0
Benzo[e]pyrene	15.186	18.4	ng	582151	6	15.515	634161	20.0
Perylene	15.392	47.0	ng	1490620	6	15.515	634161	20.0
Dibenzo[def,mno...	17.739	10.8	ng	342173	6	15.515	634161	20.0