LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-3-013123

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-BF013123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132281.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.301	415	419	428	rVB	647804	675029	6.66%	0.579%
2	5.690	480	485	488	rBV	1947895	1803494	17.79%	1.547%
3	6.678	649	653	657	rBV	1797777	1744891	17.21%	1.496%
4	7.072	716	720	723	rBV	1280457	960620	9.48%	0.824%
5	7.631	811	815	818	rBV	1345556	1064702	10.50%	0.913%
6	8.360	935	939	941	rBV	1462922	1210558	11.94%	1.038%
7	9.072	1057	1060	1064	rVB	507792	380003	3.75%	0.326%
8	9.172	1072	1077	1080	rBV	576466	465616	4.59%	0.399%
9	9.431	1118	1121	1125	rVB	2416573	1980896	19.54%	1.699%
10	9.707	1163	1168	1171	rBV	329130	428548	4.23%	0.368%
11	9.778	1176	1180	1182	rBV	651849	605032	5.97%	0.519%
12	9.801	1182	1184	1187	rVB	358950	269350	2.66%	0.231%
13	9.895	1197	1200	1202	rBV	362254	292634	2.89%	0.251%
14	9.984	1212	1215	1221	rVB2	433169	408304	4.03%	0.350%
15	10.095	1232	1234	1236	rBV	212300	183211	1.81%	0.157%
16	10.125	1236	1239	1242	rVV	1399041	1151528	11.36%	0.988%
17	10.154	1242	1244	1247	rVB	1435772	1229126	12.12%	1.054%
18	10.225	1252	1256	1260	rVB2	169270	205178	2.02%	0.176%
19	10.325	1269	1273	1276	rVV2	827138	875252	8.63%	0.751%
20	10.360	1276	1279	1282	rVB	343486	270506	2.67%	0.232%
21	10.436	1288	1292	1295	rBV2	295344	312257	3.08%	0.268%
22	10.531	1304	1308	1310	rBV2	186538	246041	2.43%	0.211%
23	10.678	1329	1333	1336	rVV	2348309	2036054	20.08%	1.746%
24	10.742	1342	1344	1345	rVV	238692	211634	2.09%	0.181%
25	10.760	1345	1347	1349	rVV2	331403	293257	2.89%	0.251%
26	10.831	1357	1359	1363	rVB	795040	769056	7.59%	0.660%
27	10.913	1369	1373	1377	rVB	1723582	1620765	15.99%	1.390%
28	11.036	1387	1394	1400	rVB4	175179	272019	2.68%	0.233%
29	11.225	1420	1426	1429	rVV2	649575	751621	7.41%	0.645%
30	11.254	1429	1431	1434	rVV	411473	353134	3.48%	0.303%
31	11.307	1437	1440	1443	rVB	308415	288803	2.85%	0.248%
32	11.348	1443	1447	1449	rBV2	210413	280250	2.76%	0.240%
33	11.378	1449	1452	1456	rVV3	243523	326701	3.22%	0.280%
34	11.425	1457	1460	1464	rVV3	172639	201742	1.99%	0.173%
35	11.466	1464	1467	1471	rVV3	263435	312065	3.08%	0.268%
36	11.519	1473	1476	1481	rVB	1085717	886907	8.75%	0.761%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

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-BF013123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.625	1490	1494	1496	rBV	1075869	1224323	12.08%	1.050%
38	11.660	1496	1500	1503	rVV	7568373	8798690	86.79%	7.546%
39	11.707	1504	1508	1510	rVV	3123002	2782110	27.44%	2.386%
40	11.730	1510	1512	1515	rVV	378160	367233	3.62%	0.315%
41	11.783	1518	1521	1526	rVB3	160798	234334	2.31%	0.201%
42	11.848	1529	1532	1538	rVV	861353	949440	9.36%	0.814%
43	11.919	1542	1544	1546	rVV	330553	249543	2.46%	0.214%
44	11.954	1548	1550	1554	rVB2	520326	499513	4.93%	0.428%
45	12.042	1561	1565	1569	rVB	349487	410447	4.05%	0.352%
46	12.130	1576	1580	1582	rVV	1873992	1719133	16.96%	1.474%
47	12.160	1582	1585	1588	rVB	2138358	1846977	18.22%	1.584%
48	12.207	1588	1593	1596	rBV	797767	778645	7.68%	0.668%
49	12.248	1596	1600	1606	rVB3	2827043	3976434	39.22%	3.410%
50	12.360	1616	1619	1622	rBV2	227254	214740	2.12%	0.184%
51	12.425	1626	1630	1632	rVV	1178421	1011426	9.98%	0.867%
52	12.454	1632	1635	1641	rVB2	441559	520455	5.13%	0.446%
53	12.572	1654	1655	1658	rVV	299161	208805	2.06%	0.179%
54	12.607	1658	1661	1663	rVV	408202	340504	3.36%	0.292%
55	12.630	1663	1665	1667	rVB2	354176	269570	2.66%	0.231%
56	12.683	1670	1674	1677	rBV	912633	1062321	10.48%	0.911%
57	12.725	1677	1681	1683	rVV2	544216	734318	7.24%	0.630%
58	12.777	1686	1690	1694	rBV3	422898	646018	6.37%	0.554%
59	12.866	1699	1705	1707	rBV	7574486	9983820	98.48%	8.562%
60	12.889	1707	1709	1711	rVV	239710	211395	2.09%	0.181%
61	12.913	1711	1713	1716	rVV	377016	308407	3.04%	0.264%
62	13.007	1725	1729	1732	rVV2	590119	658588	6.50%	0.565%
63	13.095	1736	1744	1748	rBV2	6405458	10138340	100.00%	8.695%
64	13.130	1748	1750	1754	rVB2	620998	585750	5.78%	0.502%
65	13.219	1758	1765	1767	rVV2	1742329	2157624	21.28%	1.850%
66	13.242	1767	1769	1772	rVB	579253	488882	4.82%	0.419%
67	13.295	1774	1778	1782	rBV2	673777	1180451	11.64%	1.012%
68	13.330	1782	1784	1786	rVV	295416	214015	2.11%	0.184%
69	13.389	1790	1794	1795	rVV4	549606	725941	7.16%	0.623%
70	13.413	1795	1798	1801	rVB	2105983	1982198	19.55%	1.700%
71	13.483	1806	1810	1812	rBV	1936111	1841273	18.16%	1.579%
72	13.519	1812	1816	1818	rVV2	961906	990667	9.77%	0.850%
73	13.542	1818	1820	1823	rVB2	290656	246879	2.44%	0.212%
74	13.613	1829	1832	1834	rBV	590578	474532	4.68%	0.407%
75	13.642	1834	1837	1840	rBV	602640	506526	5.00%	0.434%
76	13.895	1877	1880	1883	rBV	333222	435245	4.29%	0.373%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
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Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-3-013123

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-BF013123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.036	1901	1904	1907	rBV	765216	738719	7.29%	0.634%
78	14.066	1907	1909	1911	rVB	742202	538473	5.31%	0.462%
79	14.095	1911	1914	1917	rBV2	567494	740201	7.30%	0.635%
80	14.207	1931	1933	1939	rVB	240237	212206	2.09%	0.182%
81	14.289	1940	1947	1950	rVV3	3840019	5499470	54.24%	4.716%
82	14.324	1950	1953	1958	rVB	3471210	3252800	32.08%	2.790%
83	14.401	1964	1966	1969	rVV	909908	742661	7.33%	0.637%
84	14.436	1969	1972	1976	rVV3	305464	437976	4.32%	0.376%
85	14.477	1977	1979	1982	rVB	363437	322966	3.19%	0.277%
86	14.513	1982	1985	1989	rBV2	539493	655240	6.46%	0.562%
87	14.683	2009	2014	2016	rVV	595945	714617	7.05%	0.613%
88	14.719	2017	2020	2023	rVB	295098	272024	2.68%	0.233%
89	14.789	2029	2032	2034	rVB	402913	380647	3.75%	0.326%
90	14.819	2034	2037	2039	rVV	431830	425091	4.19%	0.365%
91	14.842	2039	2041	2045	rVB	658170	576874	5.69%	0.495%
92	14.889	2045	2049	2056	rVB4	292195	446070	4.40%	0.383%
93	15.413	2133	2138	2141	rBV	2000224	3492872	34.45%	2.995%
94	15.530	2154	2158	2162	rBV	566161	635826	6.27%	0.545%
95	15.754	2191	2196	2202	rVB	1258309	1859853	18.34%	1.595%
96	15.824	2203	2208	2214	rVV	1986302	2920526	28.81%	2.505%
97	15.889	2215	2219	2222	rVV	488485	750383	7.40%	0.644%
98	15.924	2222	2225	2232	rVB2	648155	929604	9.17%	0.797%
99	17.554	2496	2502	2509	rVB2	749785	1575822	15.54%	1.351%
100	18.065	2583	2589	2603	rVB	465243	1142793	11.27%	0.980%

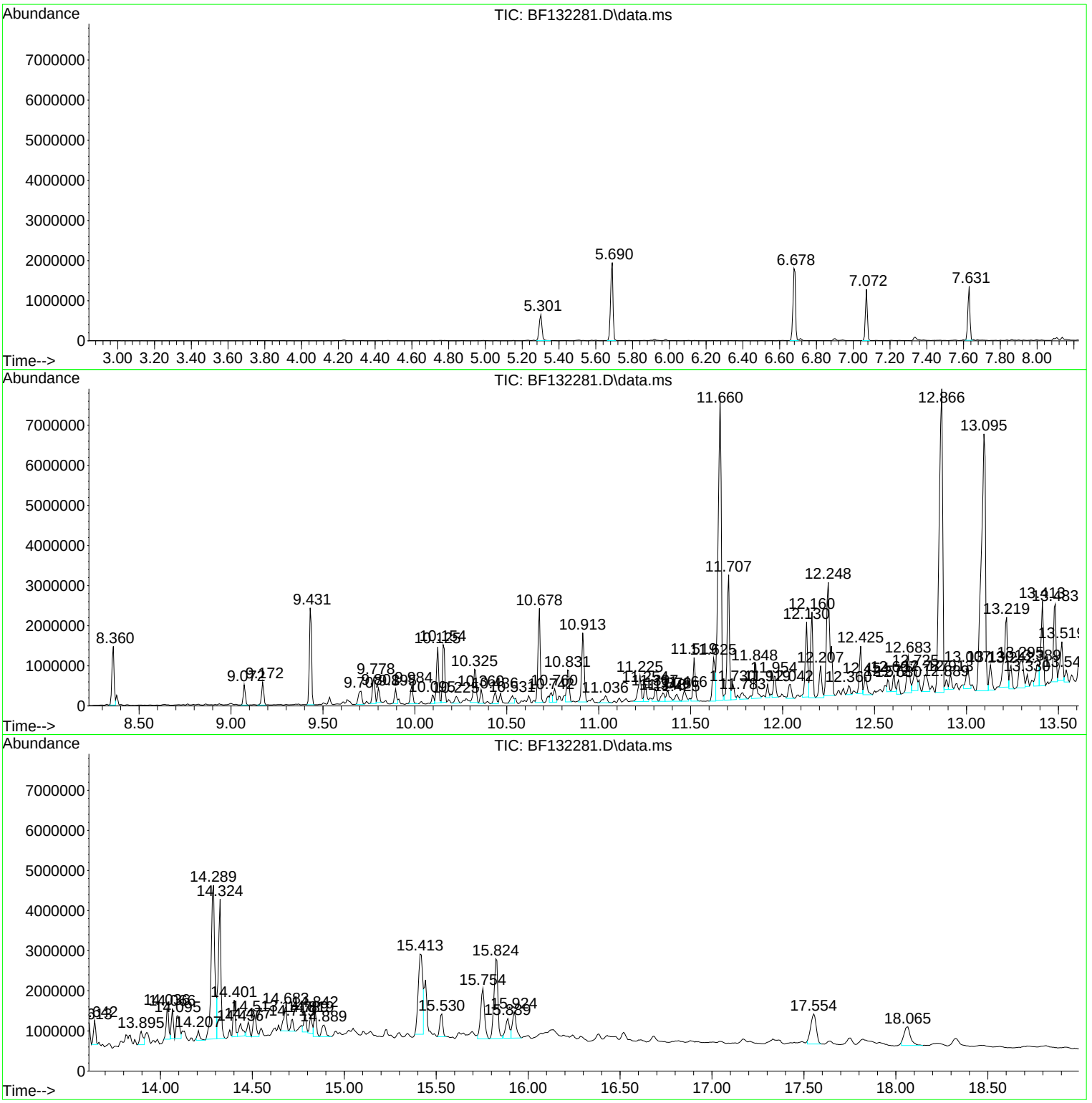
Sum of corrected areas: 116606010

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.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\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
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Instrument :
BNA_F
ClientSampleId :
OR-3-013123

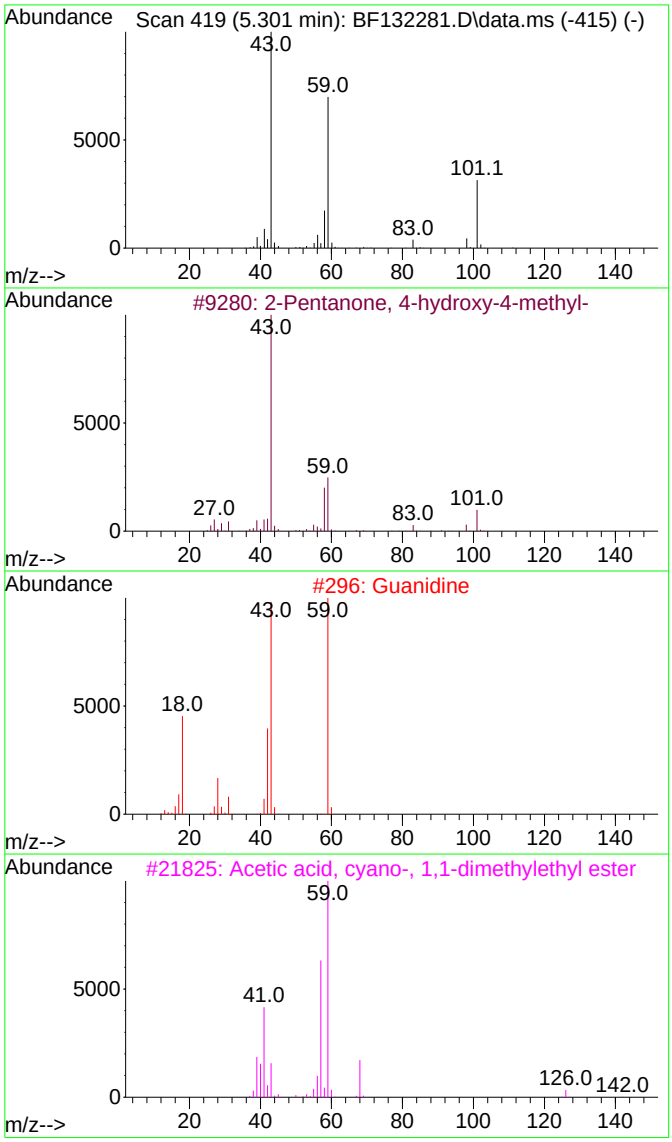
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

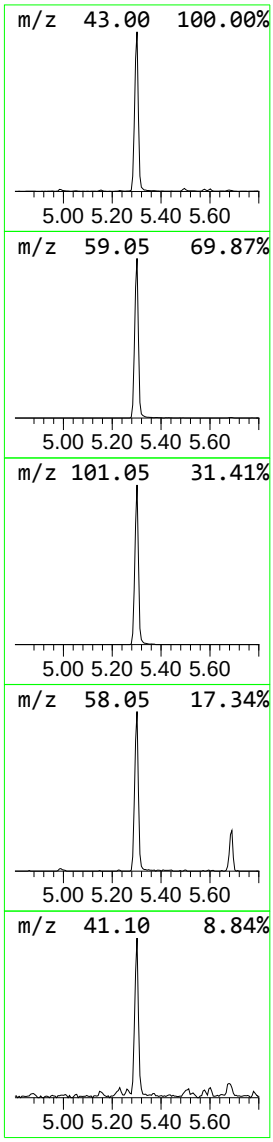
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.301	14.05 ng	675029	1,4-Dichlorobenzene-d4	7.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Guanidine	59	CH5N3	000113-00-8	43
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

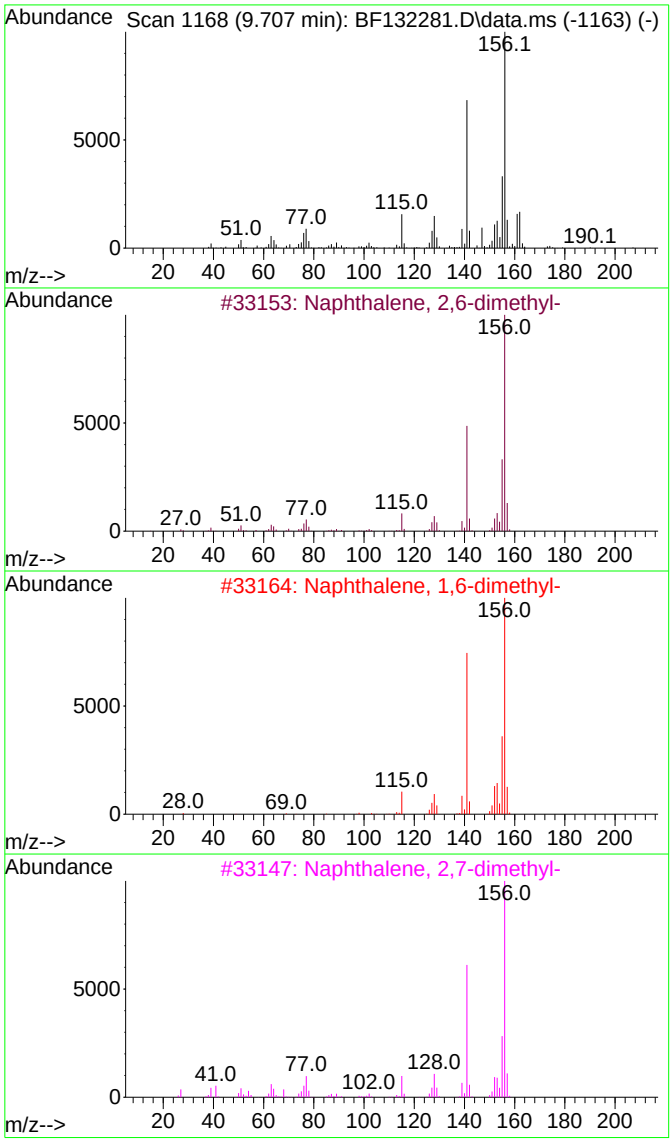
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

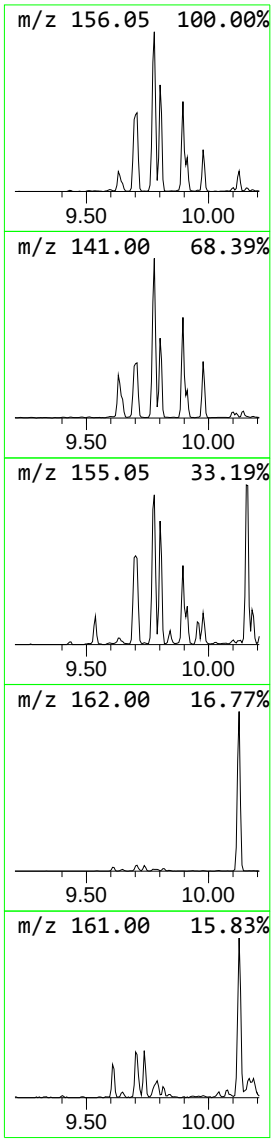
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.707	7.44 ng	428548	Acenaphthene-d10	10.125

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

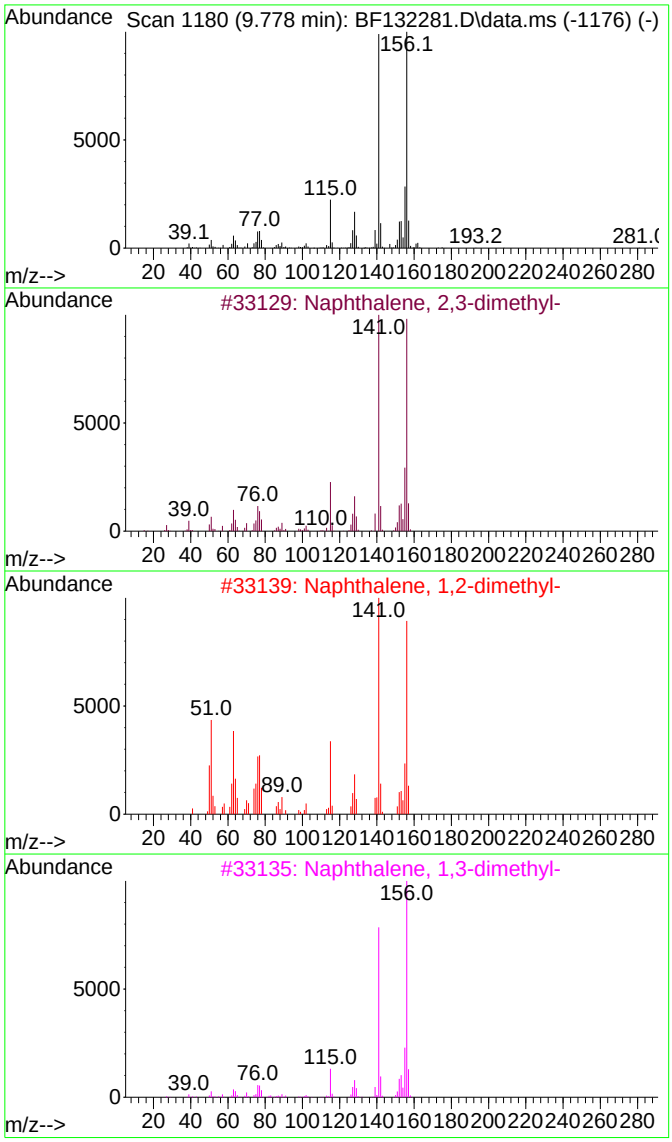
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

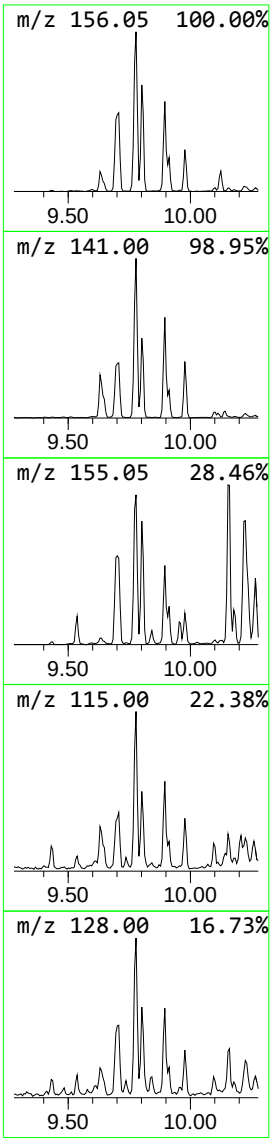
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.778	10.51 ng	605032	Acenaphthene-d10	10.125

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

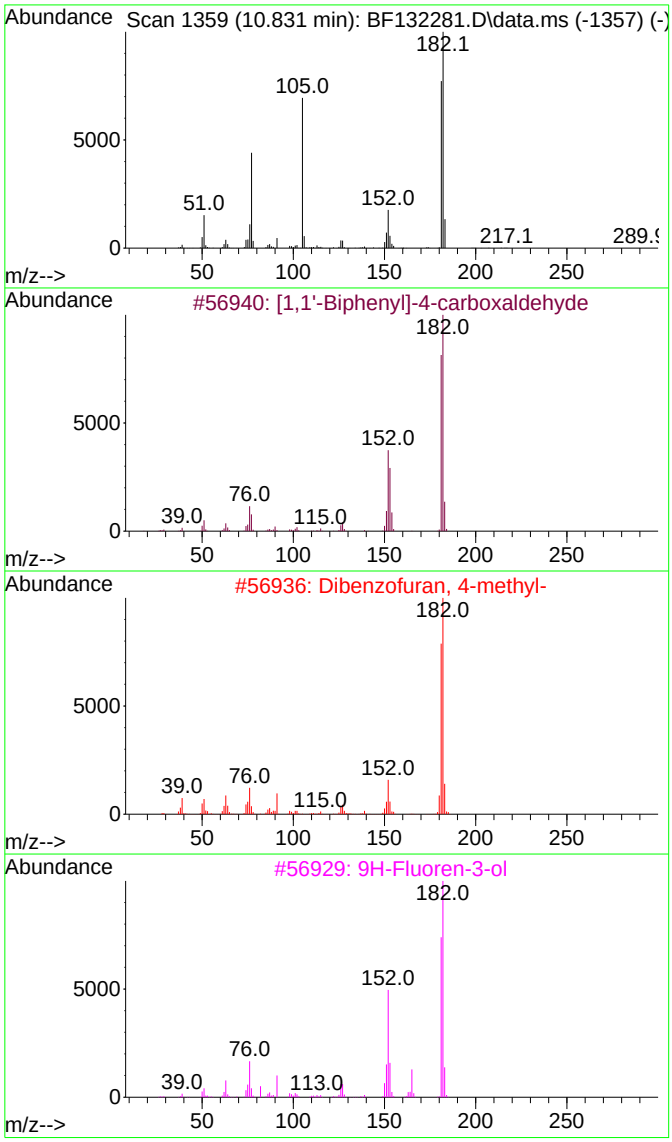
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

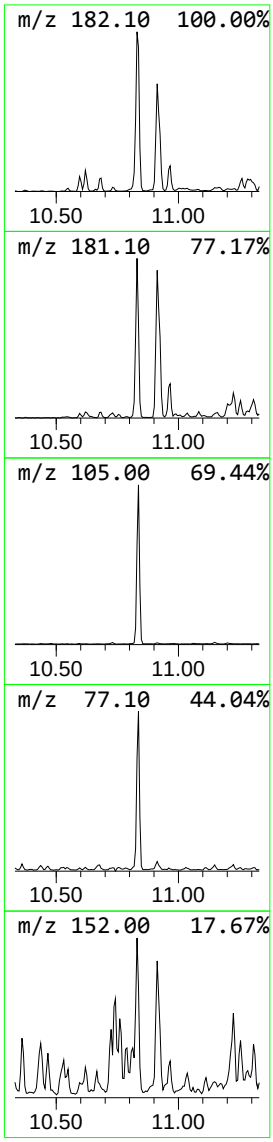
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.831	13.36 ng	769056	Acenaphthene-d10	10.125

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	74
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

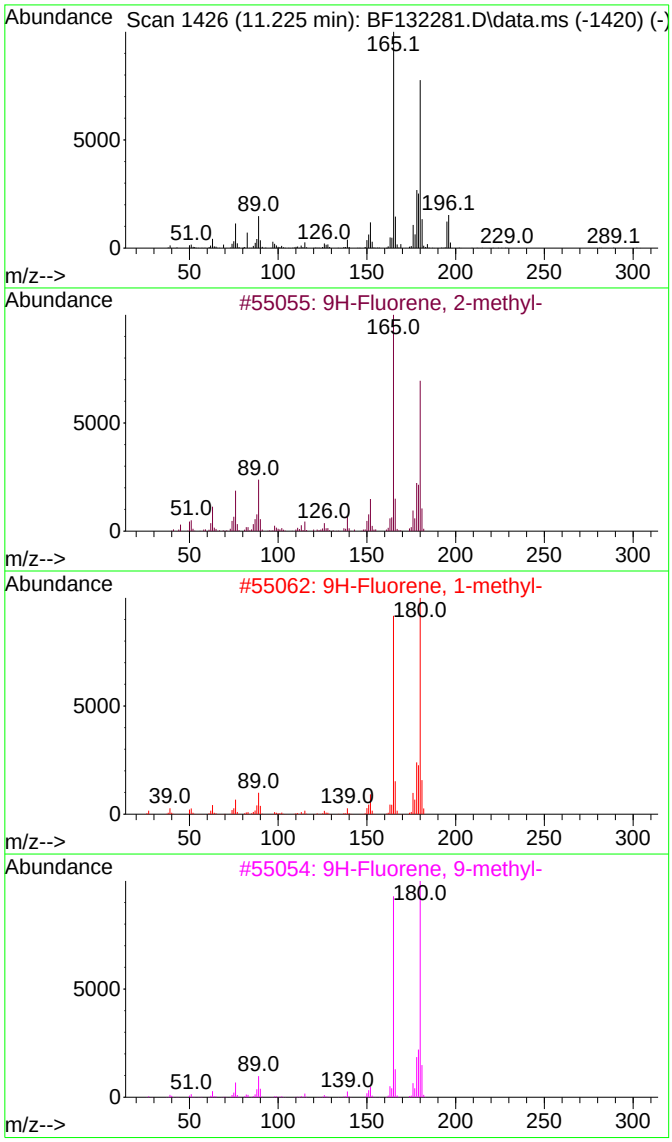
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

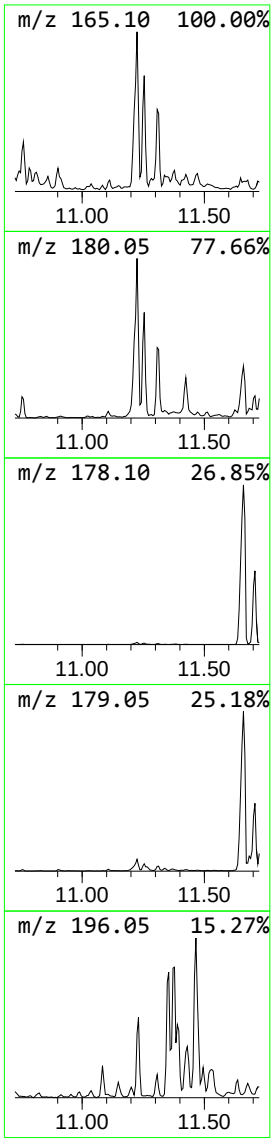
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	12.28 ng	751621	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-3-013123

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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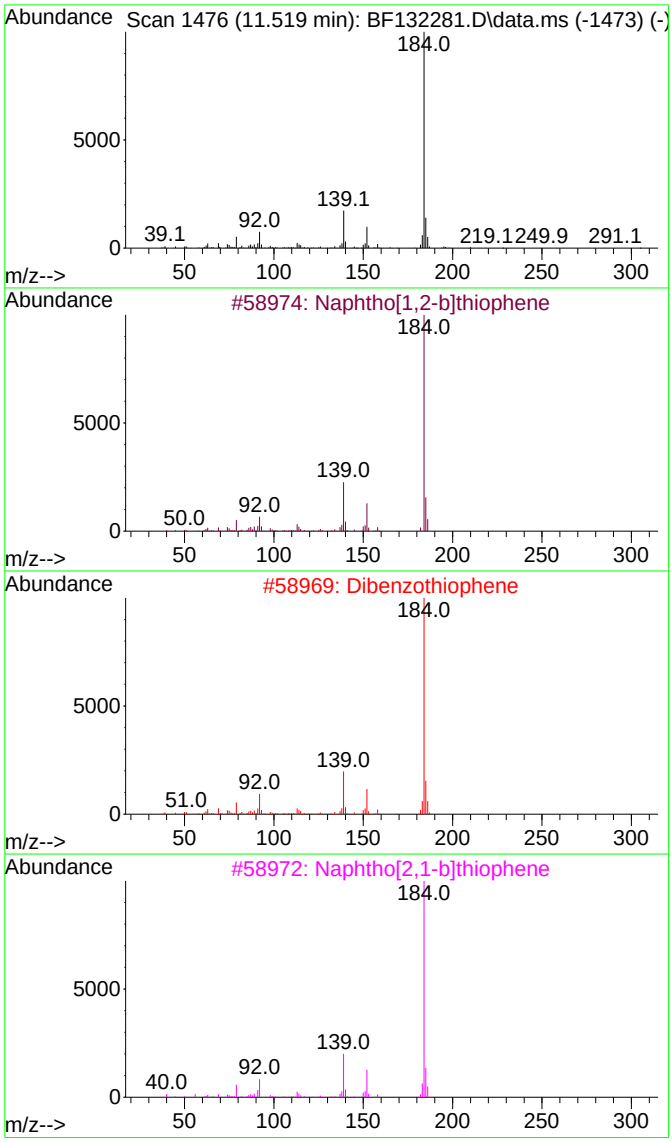
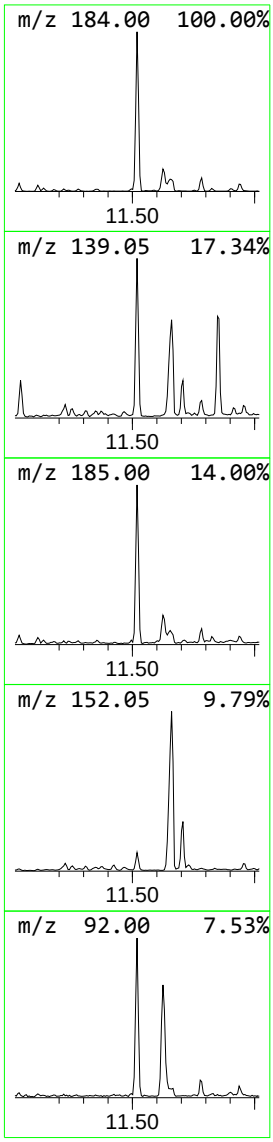
Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.519	14.49 ng	886907	Phenanthrene-d10	11.625

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





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Misc :
ALS Vial : 21 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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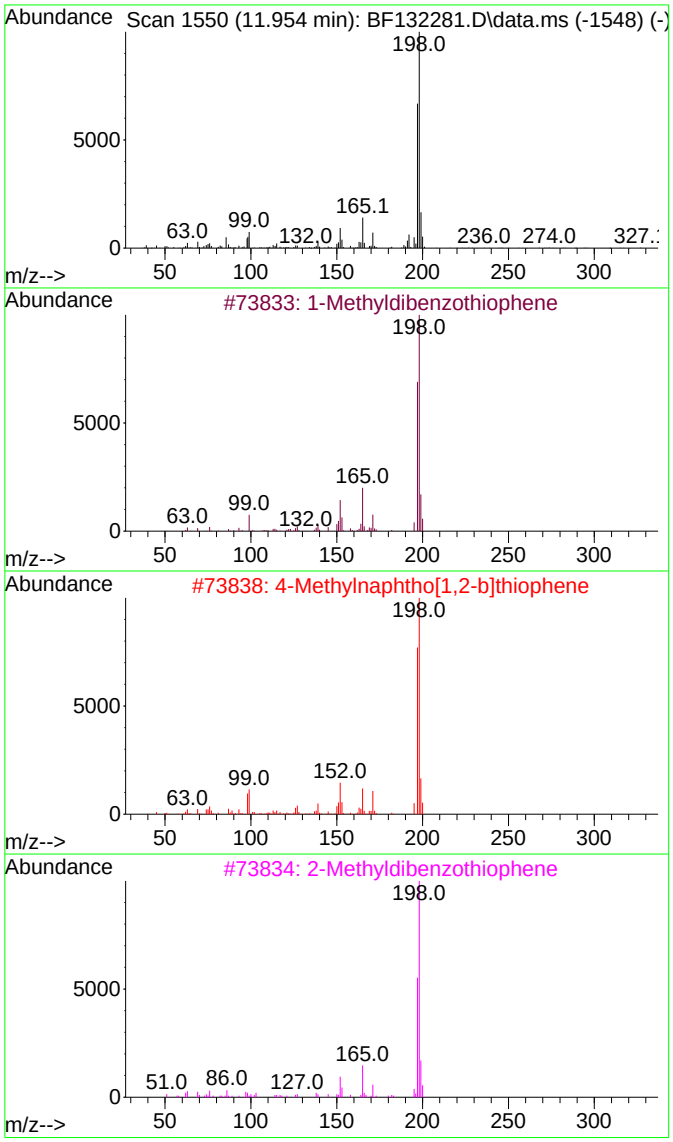
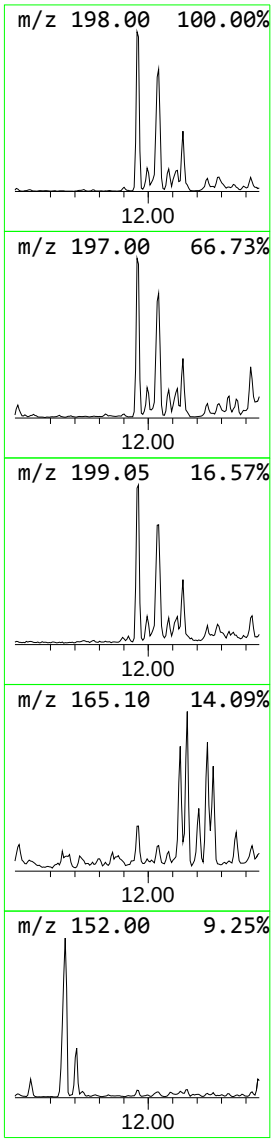
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.954	8.16 ng	499513	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93





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Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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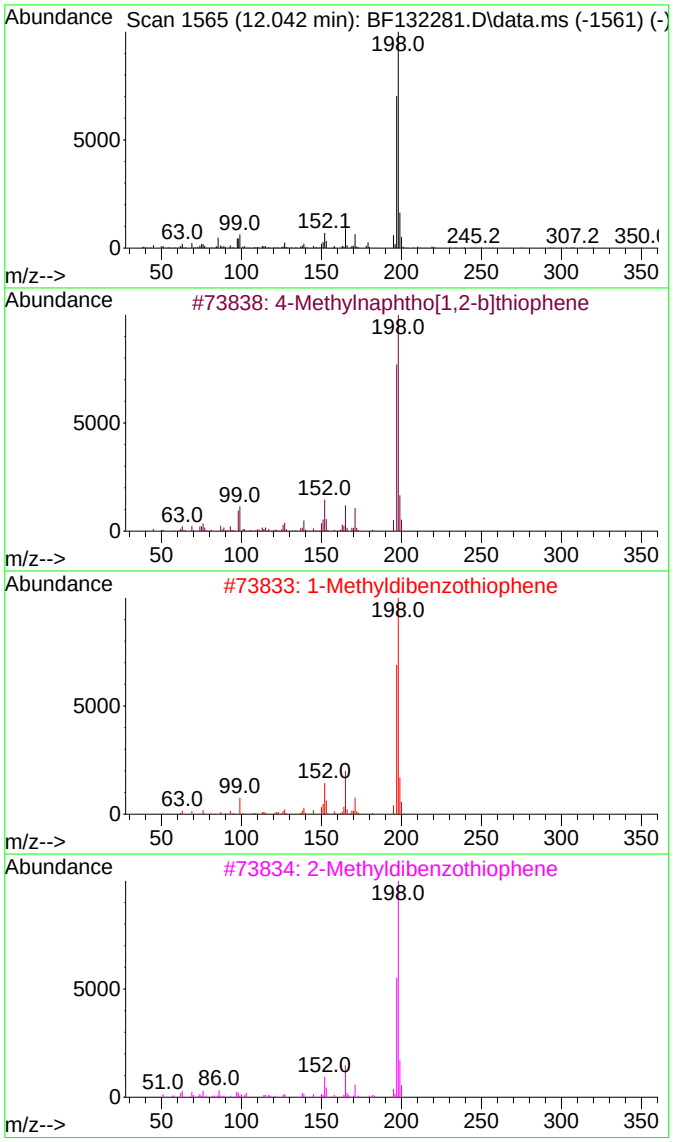
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

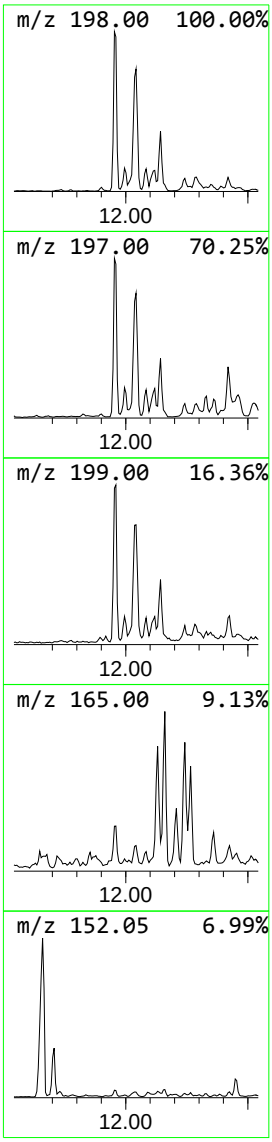
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.042	6.70 ng	410447	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91





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Misc :
ALS Vial : 21 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

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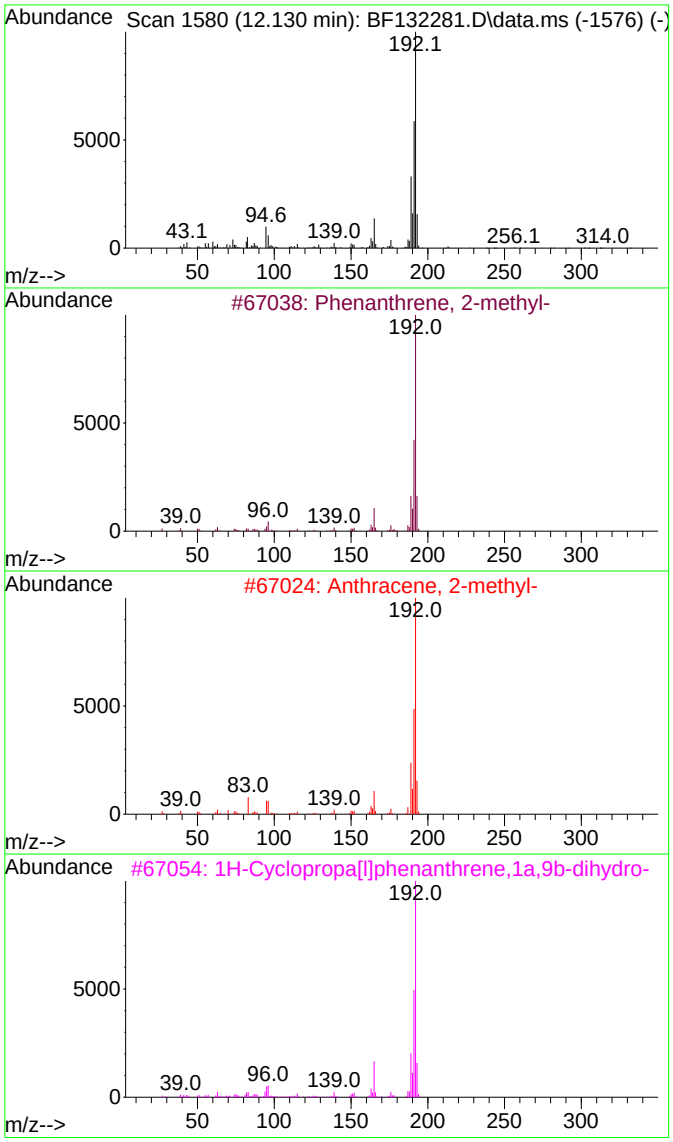
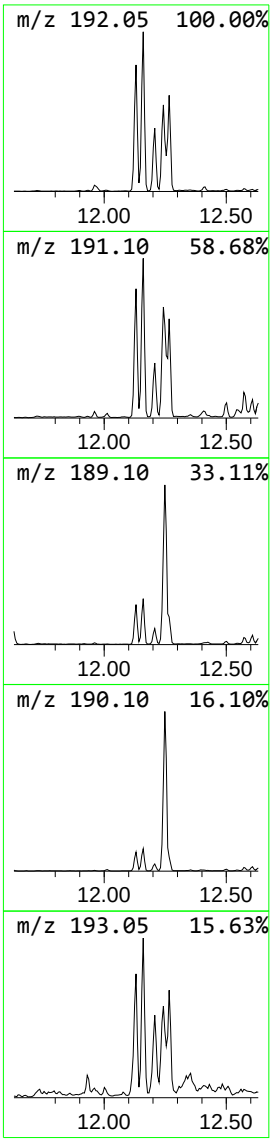
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.131	28.08 ng	1719130	Phenanthrene-d10	11.625

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Misc :
ALS Vial : 21 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

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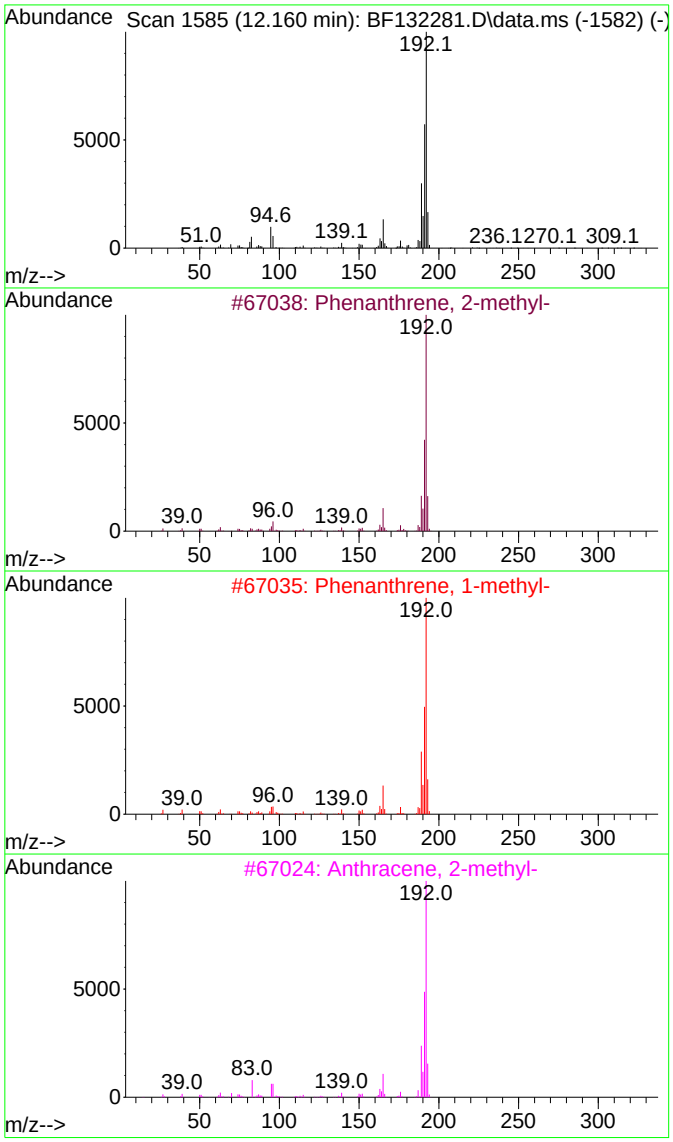
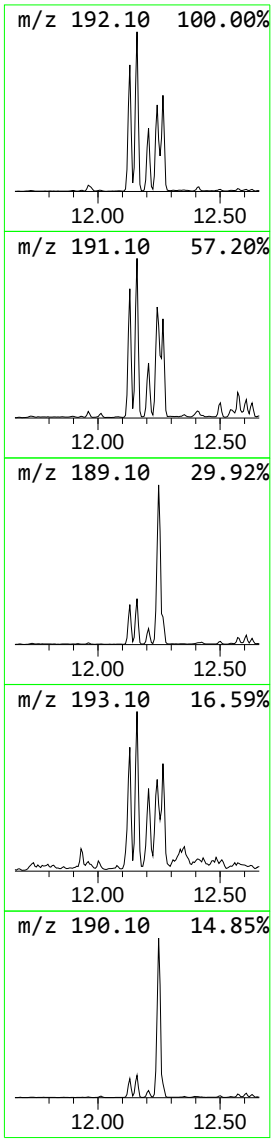
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.160	30.17 ng	1846980	Phenanthrene-d10	11.625

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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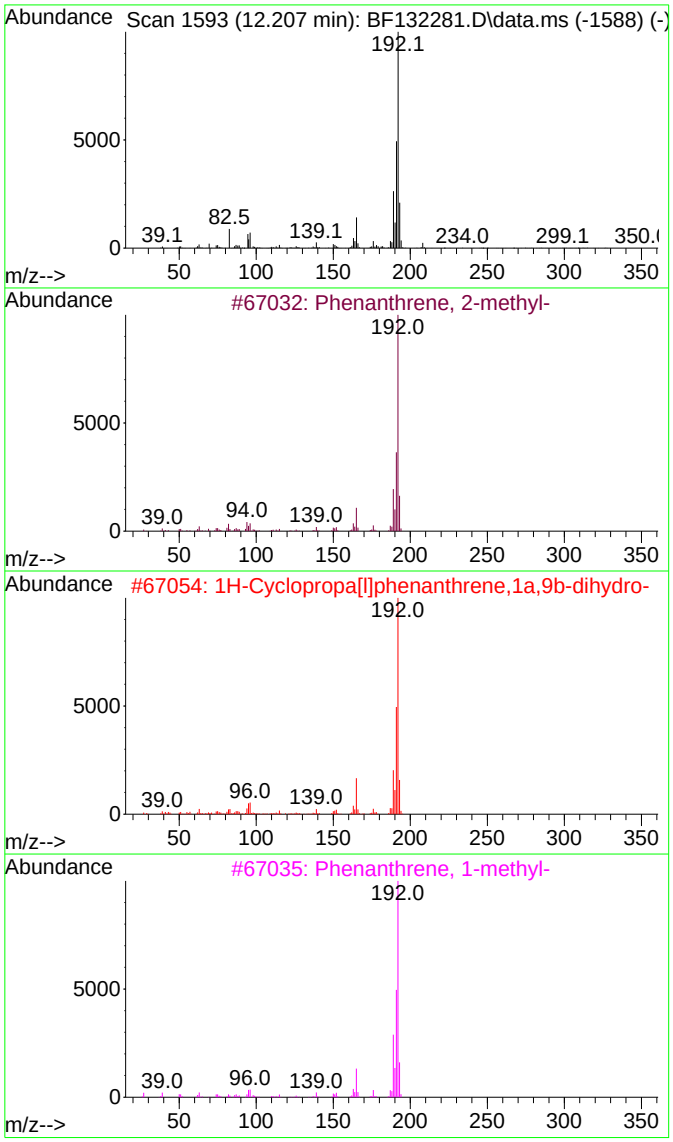
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

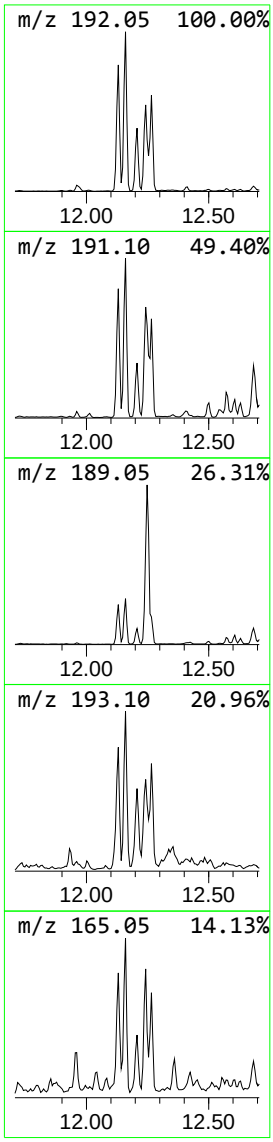
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.207	12.72 ng	778645	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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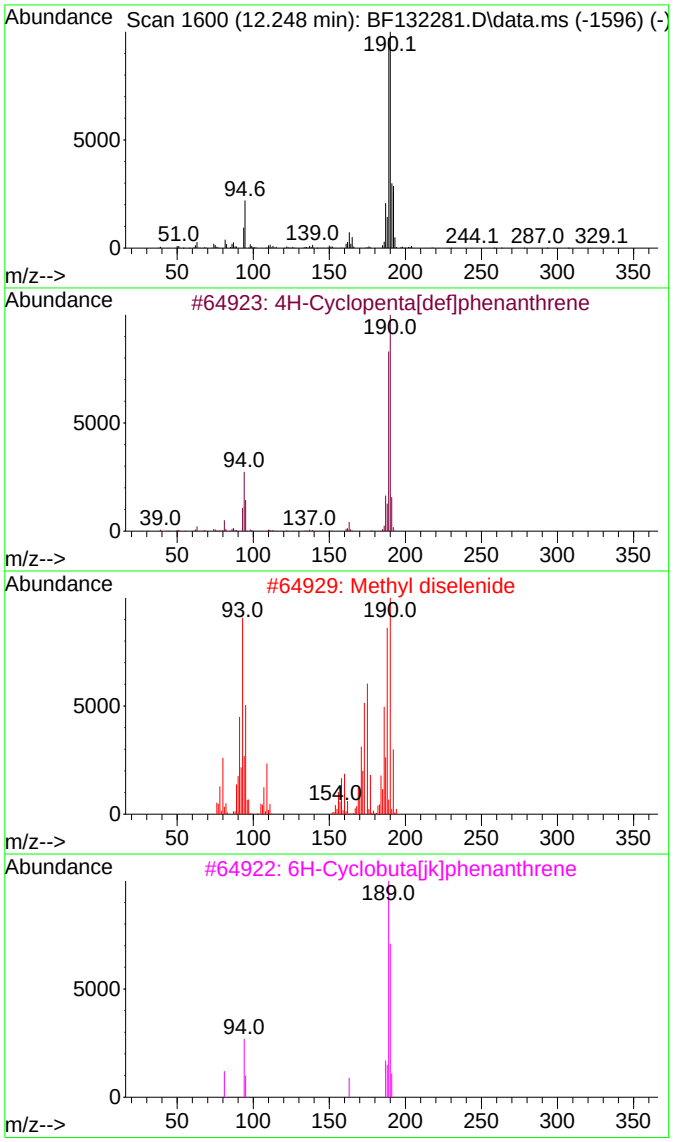
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

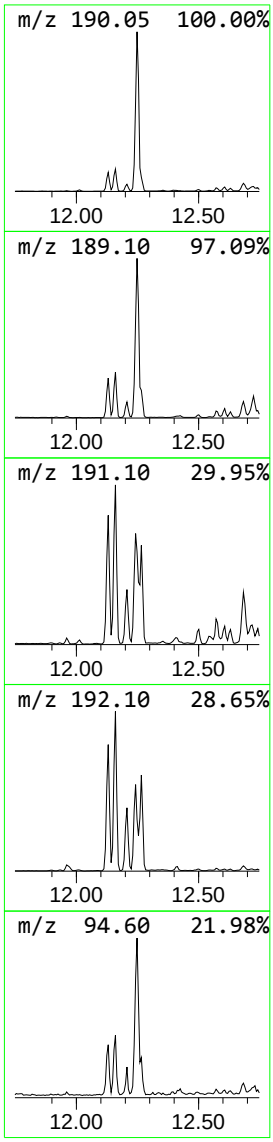
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.248	64.96 ng	3976430	Phenanthrene-d10	11.625

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	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Sample : 01382-01 2X
Misc :
ALS Vial : 21 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

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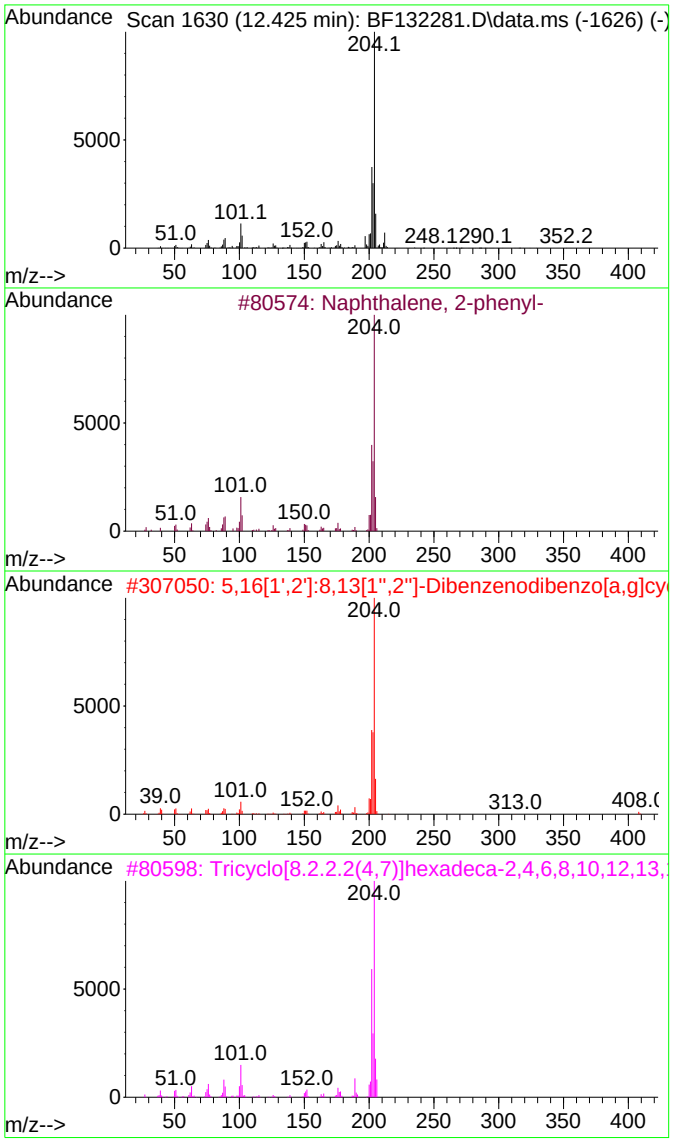
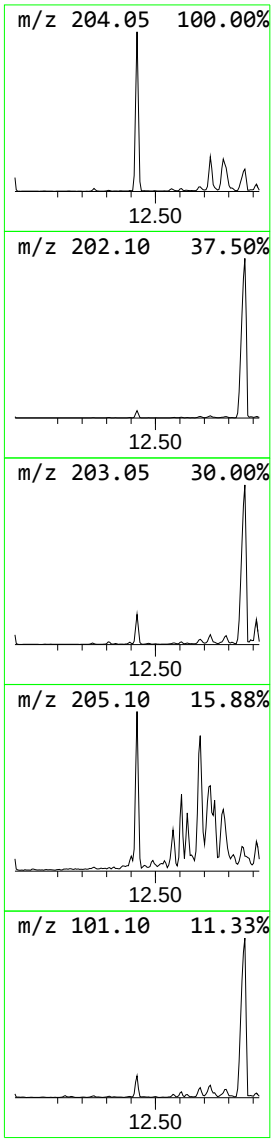
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.425	16.52 ng	1011430	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58





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Misc :
ALS Vial : 21 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

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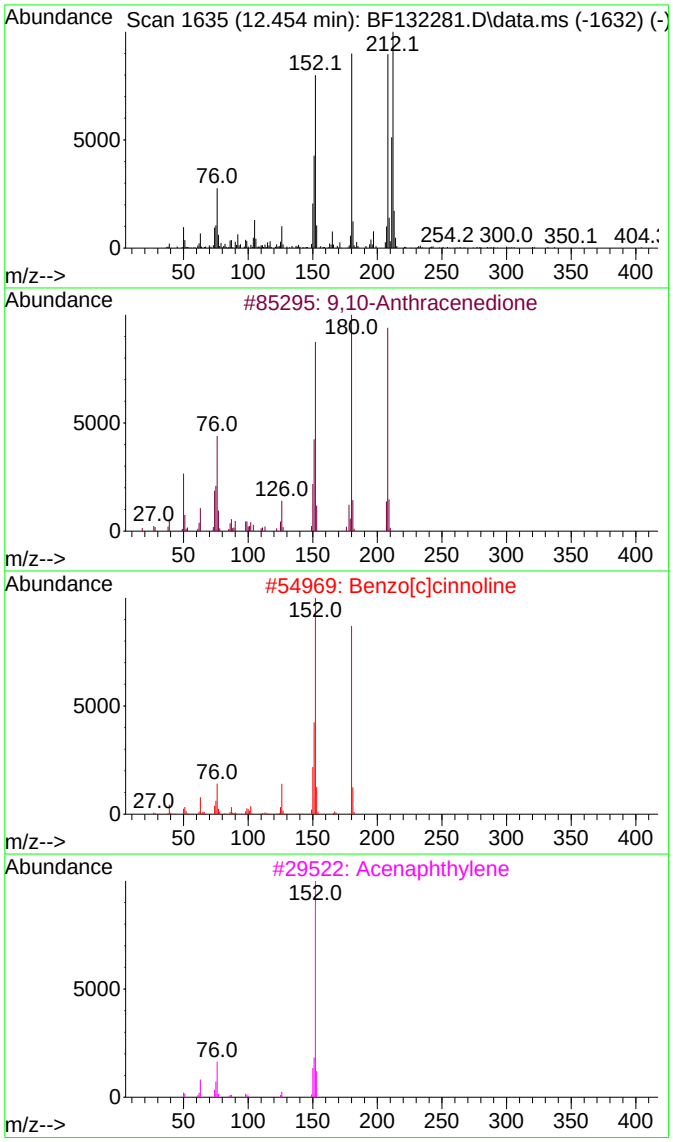
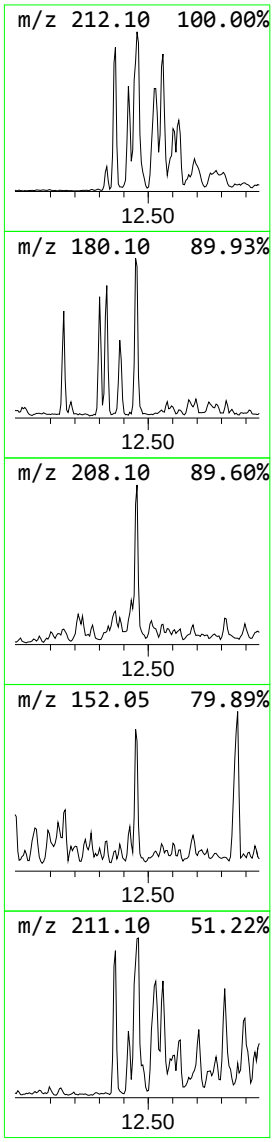
Peak Number 14 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.454	8.50 ng	520455	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	Acenaphthylene	152	C12H8	000208-96-8	53
4	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	48
5	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	48





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ALS Vial : 21 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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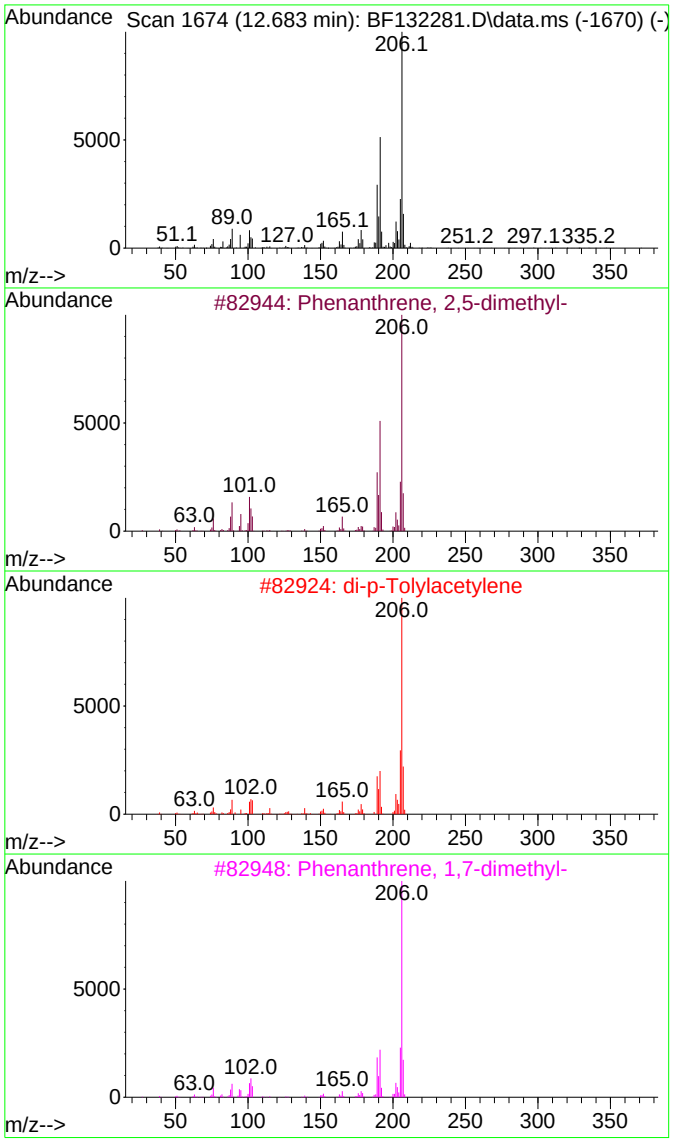
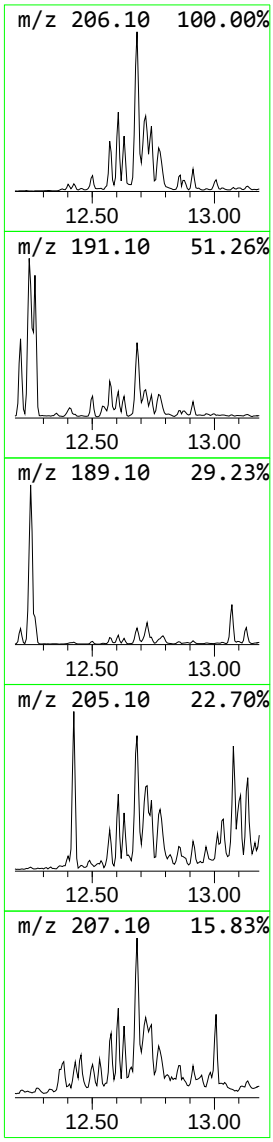
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.683	17.35 ng	1062320	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	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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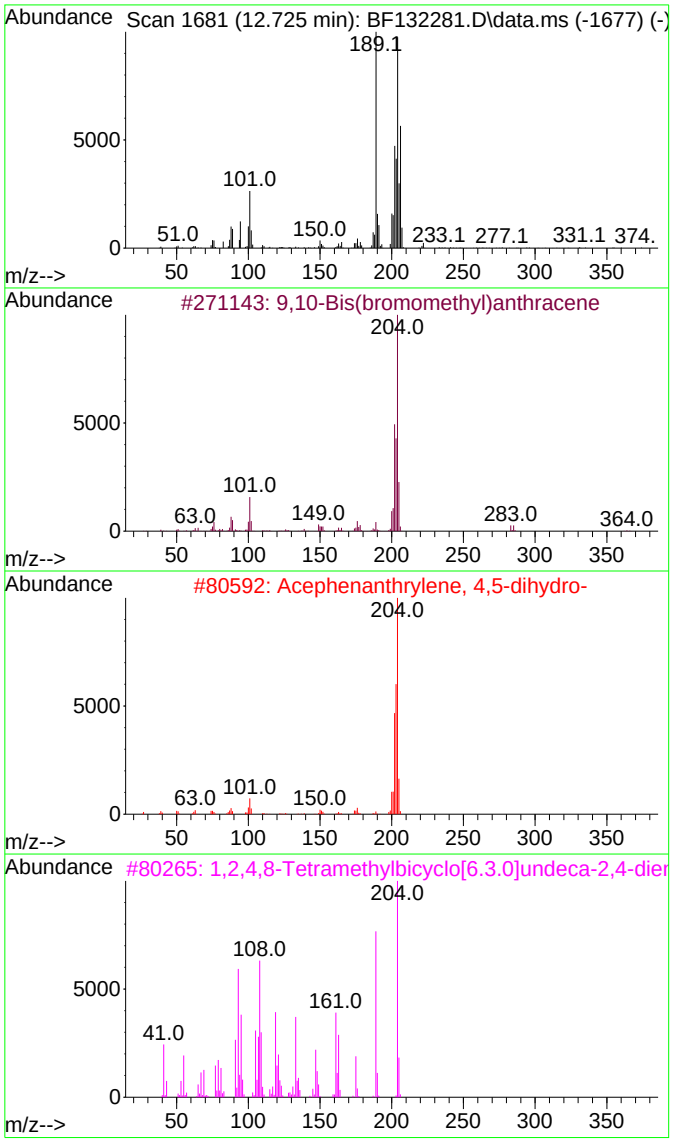
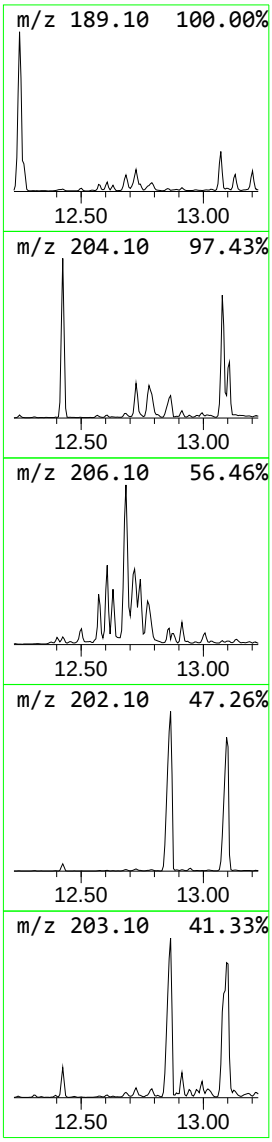
Peak Number 16 unknown12.725 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.725	12.00 ng	734318	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	43
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

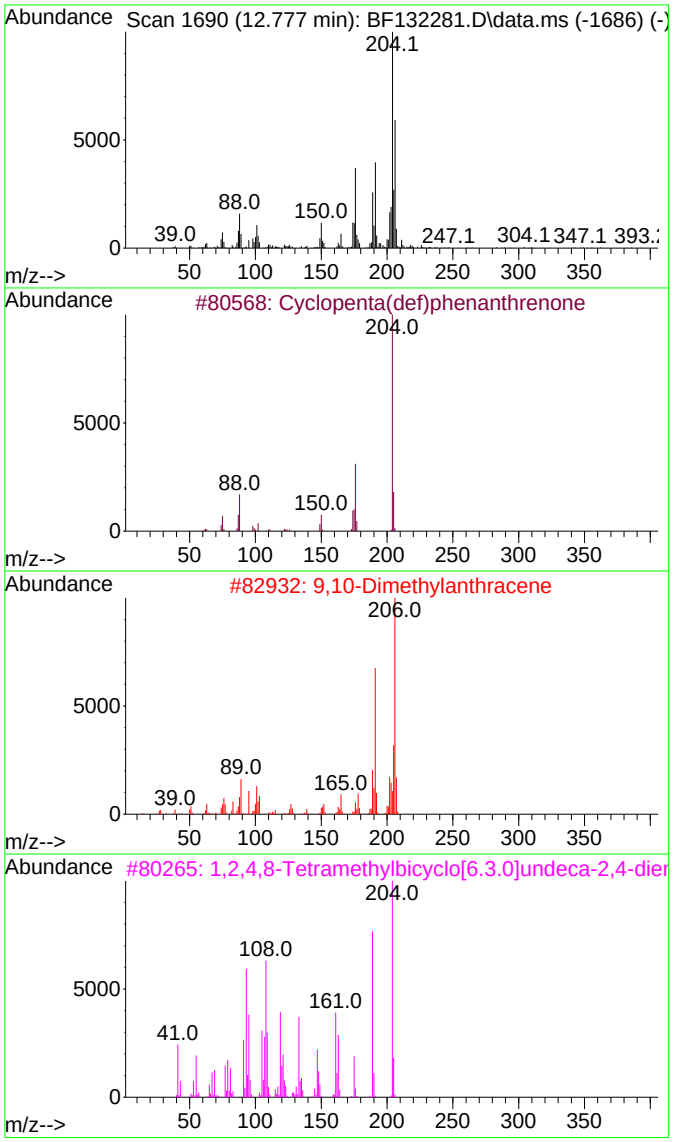
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

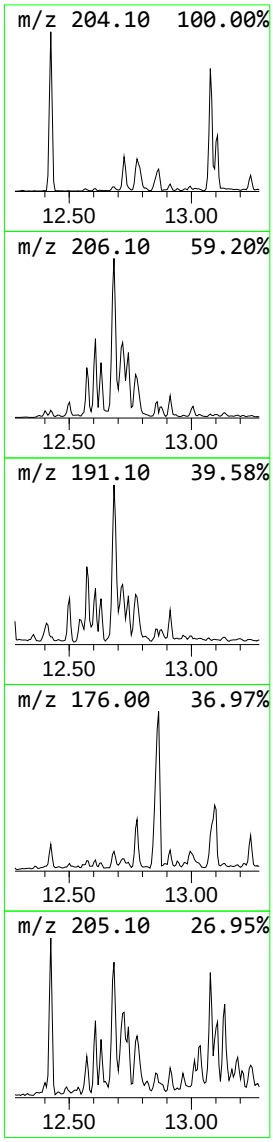
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.778	10.55 ng	646018	Phenanthrene-d10	11.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	42





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Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

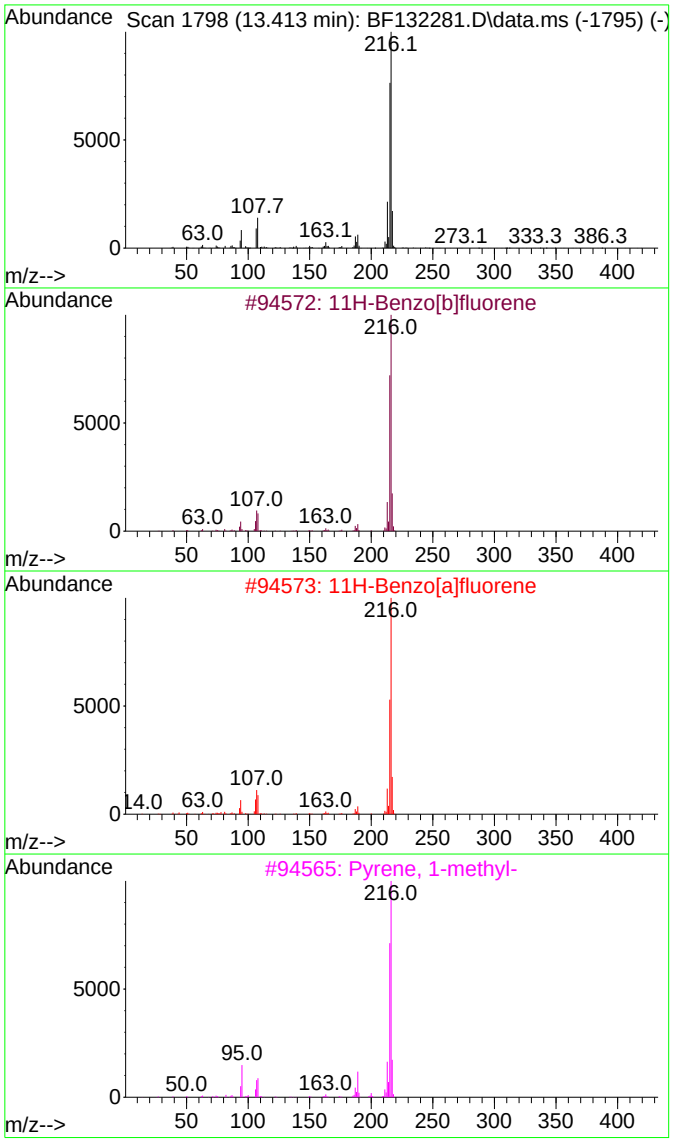
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

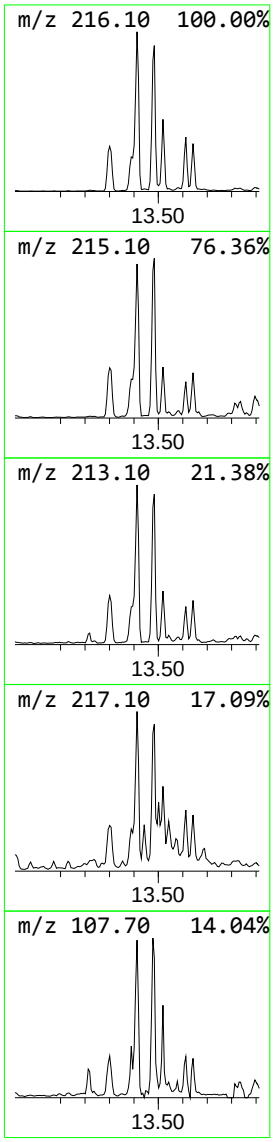
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.413	7.21 ng	1982200	Chrysene-d12	14.295

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

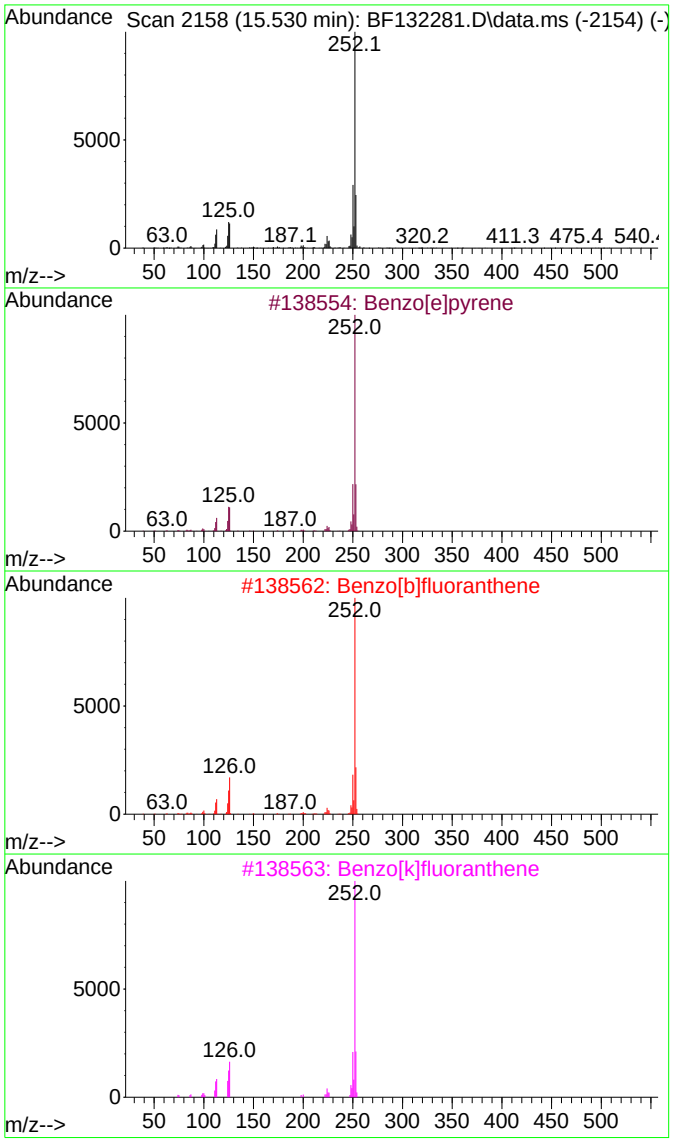
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

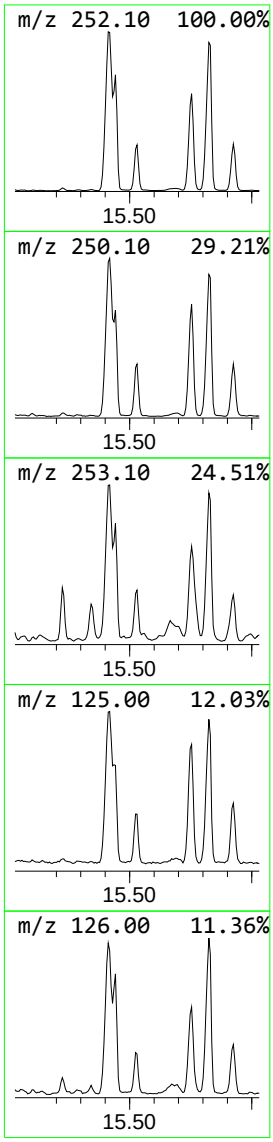
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.530	16.95 ng	635826	Perylene-d12	15.889

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





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Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

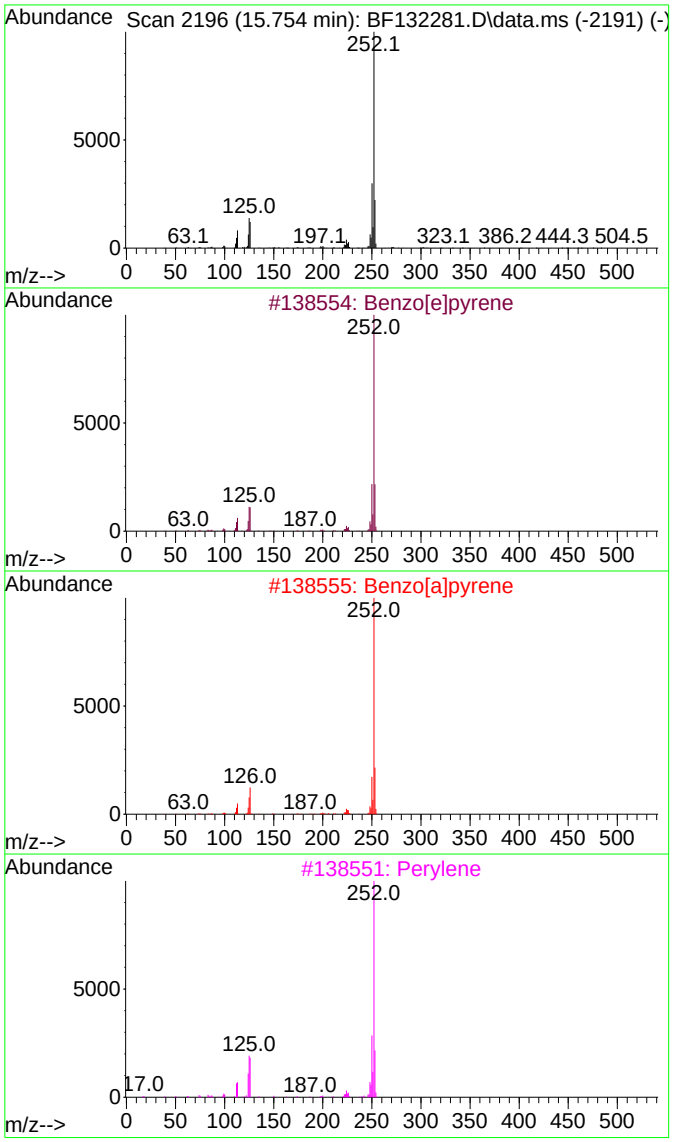
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

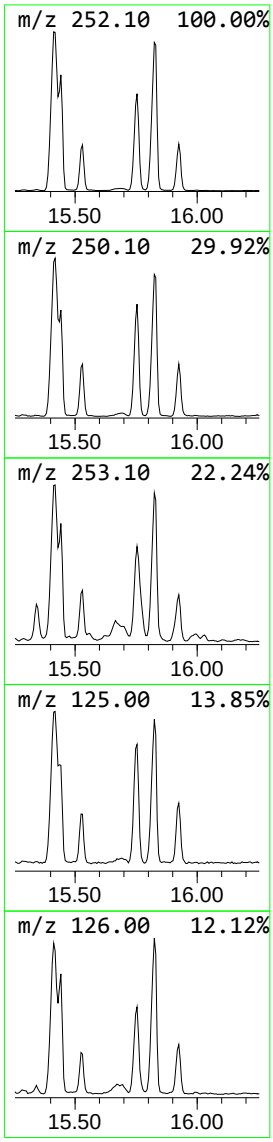
****

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.754	49.57 ng	1859850	Perylene-d12	15.889

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132281.D
Acq On : 02 Feb 2023 02:23
Operator : CG\JU
Sample : 01382-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.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
2-Pentanone, 4-...	5.301	14.1	ng	675029	1	7.072	960620	20.0
Naphthalene, 2,...	9.707	7.4	ng	428548	3	10.125	1151530	20.0
Naphthalene, 2,...	9.778	10.5	ng	605032	3	10.125	1151530	20.0
[1,1'-Biphenyl]...	10.831	13.4	ng	769056	3	10.125	1151530	20.0
9H-Fluorene, 2-...	11.225	12.3	ng	751621	4	11.625	1224320	20.0
Naphtho[1,2-b]t...	11.519	14.5	ng	886907	4	11.625	1224320	20.0
1-Methyldibenzo...	11.954	8.2	ng	499513	4	11.625	1224320	20.0
4-Methylnaphtho...	12.042	6.7	ng	410447	4	11.625	1224320	20.0
Phenanthrene, 2...	12.131	28.1	ng	1719130	4	11.625	1224320	20.0
Phenanthrene, 1...	12.160	30.2	ng	1846980	4	11.625	1224320	20.0
1H-Cyclopropa[l...	12.207	12.7	ng	778645	4	11.625	1224320	20.0
4H-Cyclopenta[d...	12.248	65.0	ng	3976430	4	11.625	1224320	20.0
Naphthalene, 2-...	12.425	16.5	ng	1011430	4	11.625	1224320	20.0
9,10-Anthracene...	12.454	8.5	ng	520455	4	11.625	1224320	20.0
Phenanthrene, 2...	12.683	17.4	ng	1062320	4	11.625	1224320	20.0
unknown12.725	12.725	12.0	ng	734318	4	11.625	1224320	20.0
Cyclopenta(def)...	12.778	10.6	ng	646018	4	11.625	1224320	20.0
11H-Benzo[b]flu...	13.413	7.2	ng	1982200	5	14.295	5499470	20.0
Benzo[e]pyrene	15.530	16.9	ng	635826	6	15.889	750383	20.0
Perylene	15.754	49.6	ng	1859850	6	15.889	750383	20.0