LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-050322

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128083.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.140	482	485	490	rVB	21626	24932	1.52%	0.095%
2	5.534	548	552	556	rBV	1704152	1524521	92.70%	5.793%
3	6.540	718	723	726	rBV	1668120	1528395	92.93%	5.808%
4	6.916	783	787	790	rBV	603709	515911	31.37%	1.960%
5	7.475	878	882	885	rBV	1096402	1014381	61.68%	3.854%
6	8.198	1001	1005	1007	rBV	776255	613767	37.32%	2.332%
7	8.222	1007	1009	1011	rVB	122382	97062	5.90%	0.369%
8	8.910	1123	1126	1129	rBV	144276	108616	6.60%	0.413%
9	9.010	1138	1143	1146	rBV	161343	128426	7.81%	0.488%
10	9.275	1184	1188	1191	rBV	1892224	1644617	100.00%	6.249%
11	9.345	1196	1200	1202	rBV2	26273	23850	1.45%	0.091%
12	9.469	1219	1221	1228	rVB2	25025	36055	2.19%	0.137%
13	9.539	1228	1233	1236	rBV	90117	118879	7.23%	0.452%
14	9.610	1242	1245	1248	rBV	150992	154739	9.41%	0.588%
15	9.639	1248	1250	1252	rVV	99643	75871	4.61%	0.288%
16	9.681	1255	1257	1262	rVB	39413	35063	2.13%	0.133%
17	9.728	1262	1265	1267	rBV	81837	72262	4.39%	0.275%
18	9.816	1276	1280	1285	rBV2	254802	218012	13.26%	0.828%
19	9.875	1285	1290	1293	rVB2	19118	25565	1.55%	0.097%
20	9.933	1297	1300	1301	rBV	49220	41046	2.50%	0.156%
21	9.957	1301	1304	1307	rVV	776215	623964	37.94%	2.371%
22	9.986	1307	1309	1312	rVB2	89869	75756	4.61%	0.288%
23	10.057	1317	1321	1325	rBV2	39739	51801	3.15%	0.197%
24	10.104	1325	1329	1332	rBV4	21107	35242	2.14%	0.134%
25	10.157	1334	1338	1341	rVV2	101933	116182	7.06%	0.441%
26	10.192	1341	1344	1348	rVB	77857	70138	4.26%	0.267%
27	10.269	1353	1357	1360	rBV2	86474	99917	6.08%	0.380%
28	10.298	1360	1362	1364	rVV	57656	42057	2.56%	0.160%
29	10.363	1368	1373	1374	rBV2	54522	79700	4.85%	0.303%
30	10.410	1378	1381	1383	rBV	51011	42494	2.58%	0.161%
31	10.451	1386	1388	1390	rVV2	39220	30555	1.86%	0.116%
32	10.475	1390	1392	1394	rVV	29240	23483	1.43%	0.089%
33	10.504	1394	1397	1403	rVB	231079	238879	14.52%	0.908%
34	10.569	1403	1408	1410	rBV3	37700	60684	3.69%	0.231%
35	10.586	1410	1411	1414	rVV2	40574	34614	2.10%	0.132%
36	10.616	1414	1416	1419	rVV2	39766	35408	2.15%	0.135%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.663	1419	1424	1427	rVB3	43281	59957	3.65%	0.228%
38	10.745	1432	1438	1442	rBV	1090486	1050096	63.85%	3.990%
39	10.863	1453	1458	1465	rVB3	70580	126719	7.71%	0.482%
40	10.939	1469	1471	1474	rBV	34019	34802	2.12%	0.132%
41	11.051	1486	1490	1493	rBV2	106978	139184	8.46%	0.529%
42	11.080	1493	1495	1498	rVV	93524	79404	4.83%	0.302%
43	11.139	1502	1505	1507	rVB	68842	57392	3.49%	0.218%
44	11.180	1507	1512	1514	rBV3	38184	59107	3.59%	0.225%
45	11.204	1514	1516	1522	rVV3	48575	64372	3.91%	0.245%
46	11.251	1522	1524	1529	rVV2	58413	63799	3.88%	0.242%
47	11.298	1529	1532	1534	rVV3	64321	66038	4.02%	0.251%
48	11.328	1534	1537	1538	rVV2	45074	46555	2.83%	0.177%
49	11.345	1538	1540	1544	rVB	158965	128118	7.79%	0.487%
50	11.451	1554	1558	1560	rBV	762113	684558	41.62%	2.601%
51	11.475	1560	1562	1565	rVV	1285510	966540	58.77%	3.673%
52	11.527	1568	1571	1573	rVV	260559	225168	13.69%	0.856%
53	11.557	1573	1576	1579	rVV2	82516	106247	6.46%	0.404%
54	11.604	1582	1584	1590	rVV4	41349	73908	4.49%	0.281%
55	11.680	1594	1597	1602	rVV3	89726	116573	7.09%	0.443%
56	11.722	1602	1604	1606	rVV2	43340	41657	2.53%	0.158%
57	11.745	1606	1608	1610	rVV	43843	38401	2.33%	0.146%
58	11.780	1611	1614	1618	rVB	148039	131880	8.02%	0.501%
59	11.863	1625	1628	1632	rVB	93188	103972	6.32%	0.395%
60	11.910	1633	1636	1638	rBV3	29396	35351	2.15%	0.134%
61	11.951	1640	1643	1646	rVV	414435	431939	26.26%	1.641%
62	11.980	1646	1648	1651	rVB	496867	390104	23.72%	1.482%
63	12.027	1653	1656	1659	rVV	138413	128608	7.82%	0.489%
64	12.063	1659	1662	1665	rVV2	477722	565518	34.39%	2.149%
65	12.086	1665	1666	1671	rVB	301102	186638	11.35%	0.709%
66	12.133	1671	1674	1676	rBV2	48737	43107	2.62%	0.164%
67	12.186	1680	1683	1685	rVV	56305	49514	3.01%	0.188%
68	12.245	1690	1693	1695	rVV2	172385	155657	9.46%	0.591%
69	12.275	1695	1698	1704	rVB2	127500	151231	9.20%	0.575%
70	12.380	1713	1716	1717	rBV	66700	63651	3.87%	0.242%
71	12.398	1717	1719	1721	rVV	88010	74241	4.51%	0.282%
72	12.427	1721	1724	1726	rVV	158983	129523	7.88%	0.492%
73	12.451	1726	1728	1731	rVB2	116356	90300	5.49%	0.343%
74	12.504	1733	1737	1739	rBV	361153	359850	21.88%	1.367%
75	12.539	1739	1743	1745	rVV3	171283	220887	13.43%	0.839%
76	12.557	1745	1746	1749	rVB2	108099	78203	4.76%	0.297%

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Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-050322

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.592	1749	1752	1756	rBV3	144730	210889	12.82%	0.801%
78	12.669	1761	1765	1768	rBV	1294103	1116364	67.88%	4.242%
79	12.710	1769	1772	1774	rVV	76986	70932	4.31%	0.270%
80	12.727	1774	1775	1778	rVV2	57638	48453	2.95%	0.184%
81	12.763	1778	1781	1783	rVB2	116619	85514	5.20%	0.325%
82	12.822	1788	1791	1793	rBV	99539	77620	4.72%	0.295%
83	12.904	1798	1805	1810	rBV	1325531	1466646	89.18%	5.573%
84	12.951	1810	1813	1816	rBV2	145242	150277	9.14%	0.571%
85	13.010	1820	1823	1824	rBV	79925	77431	4.71%	0.294%
86	13.039	1824	1828	1831	rBV	1742522	1481030	90.05%	5.628%
87	13.110	1837	1840	1848	rBV5	154393	269063	16.36%	1.022%
88	13.169	1848	1850	1852	rBV3	60460	57883	3.52%	0.220%
89	13.227	1853	1860	1862	rVB	274169	428355	26.05%	1.628%
90	13.251	1862	1864	1866	rBV2	45616	48654	2.96%	0.185%
91	13.292	1869	1871	1874	rVB	198886	146006	8.88%	0.555%
92	13.333	1874	1878	1880	rBV2	233561	229013	13.93%	0.870%
93	13.427	1891	1894	1896	rBV	159311	147674	8.98%	0.561%
94	13.457	1896	1899	1901	rBV	186657	165044	10.04%	0.627%
95	13.874	1968	1970	1972	rBV	80286	60522	3.68%	0.230%
96	14.098	2004	2008	2011	rBV2	681469	992629	60.36%	3.772%
97	14.127	2011	2013	2020	rVB	513533	452784	27.53%	1.720%
98	15.163	2186	2189	2197	rVB	294234	524928	31.92%	1.995%
99	15.551	2251	2255	2261	rBV	337855	430325	26.17%	1.635%
100	15.615	2263	2266	2270	rVV	273425	297589	18.09%	1.131%

Sum of corrected areas: 26317238

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
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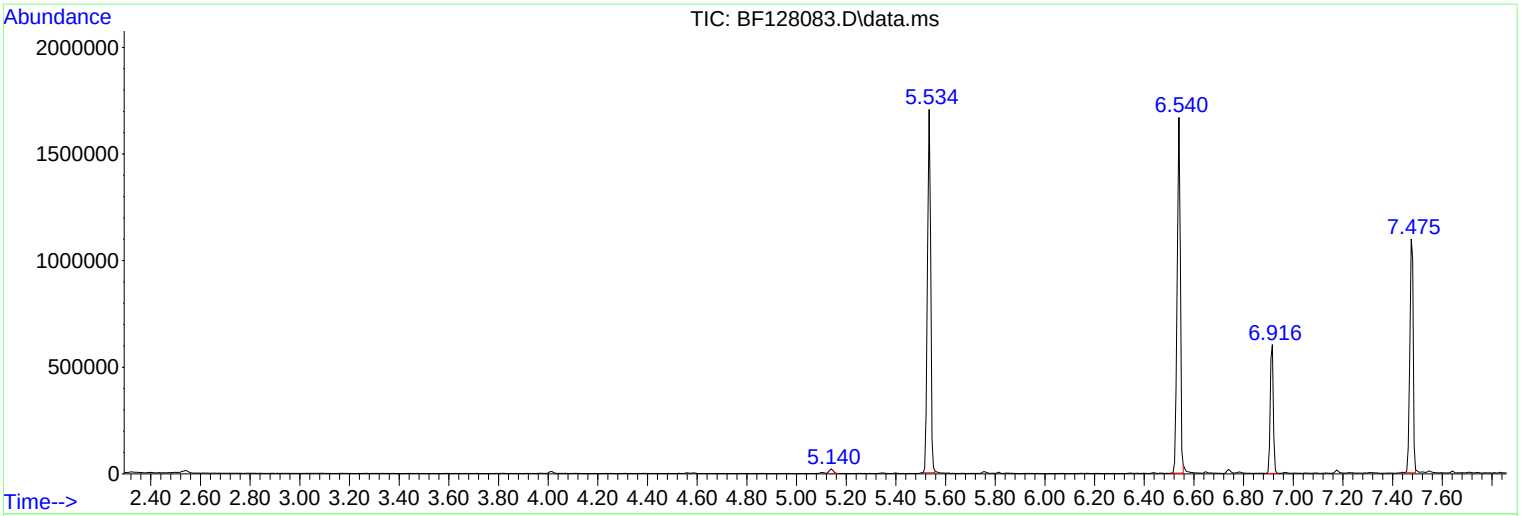
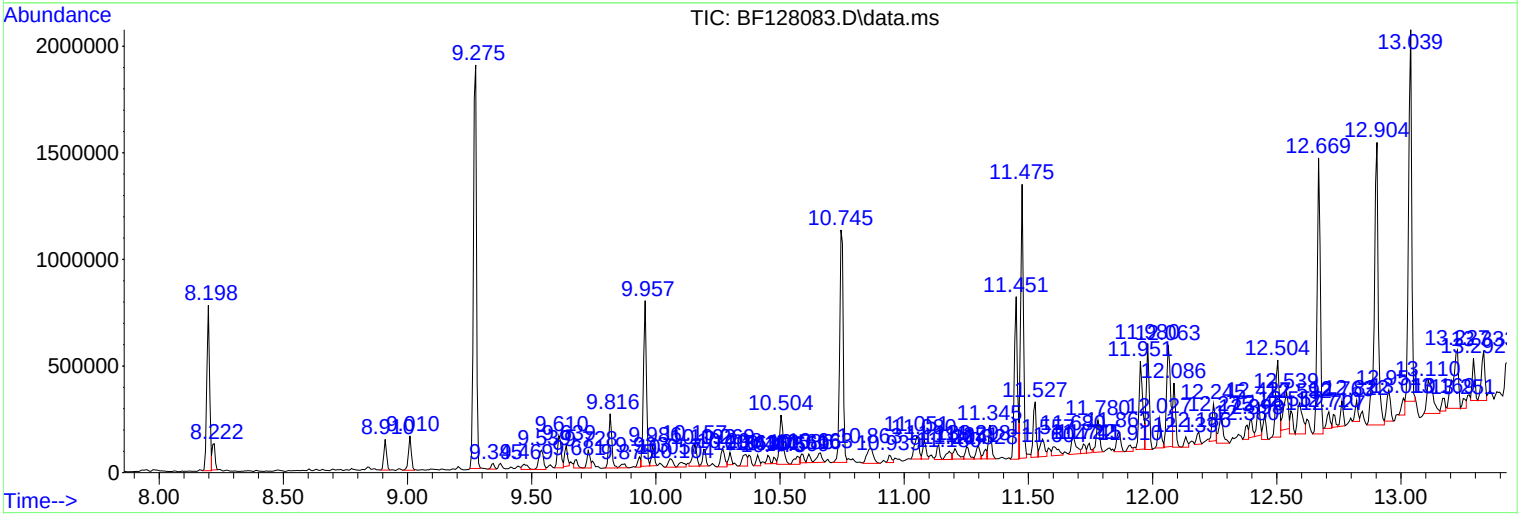
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

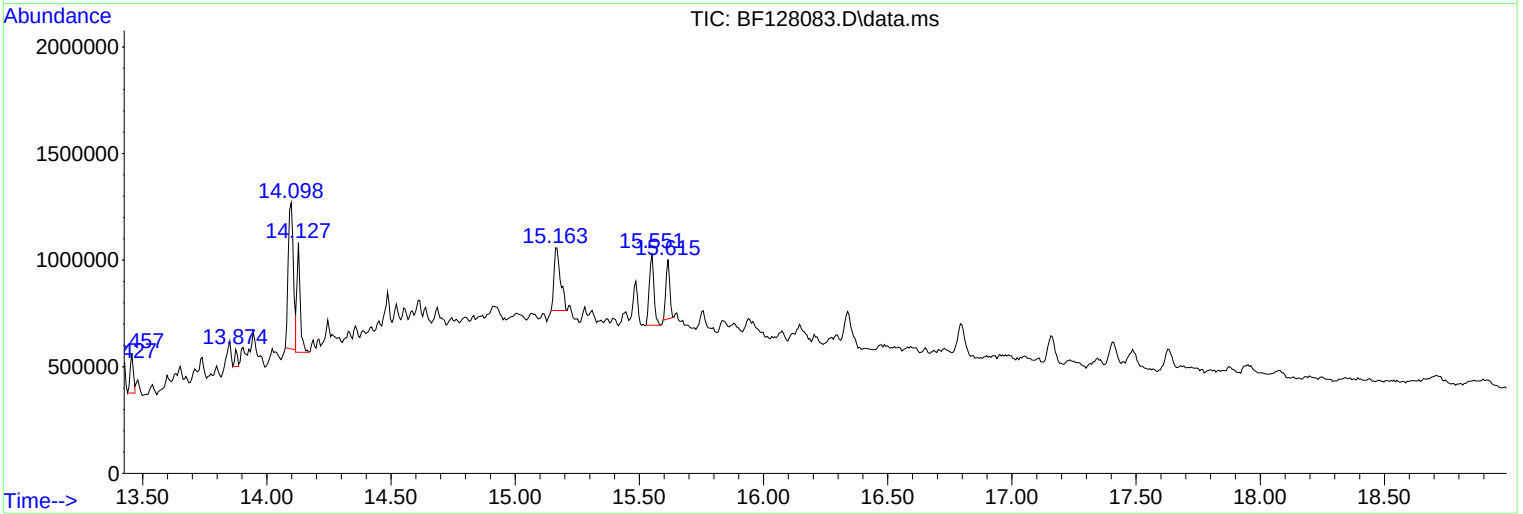
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

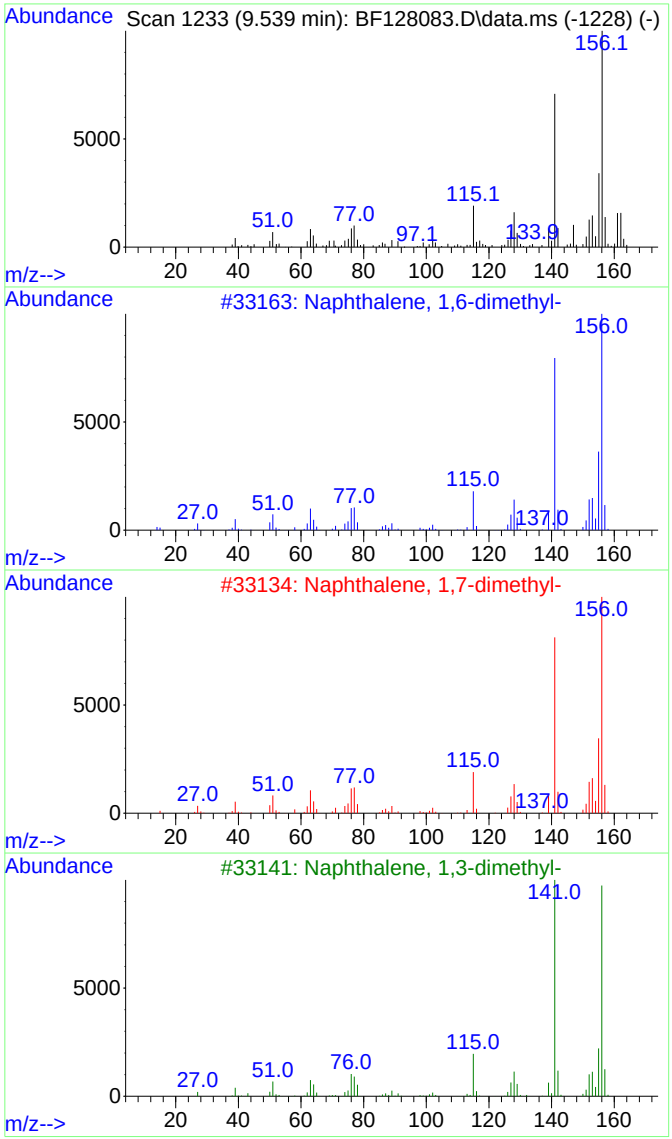
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

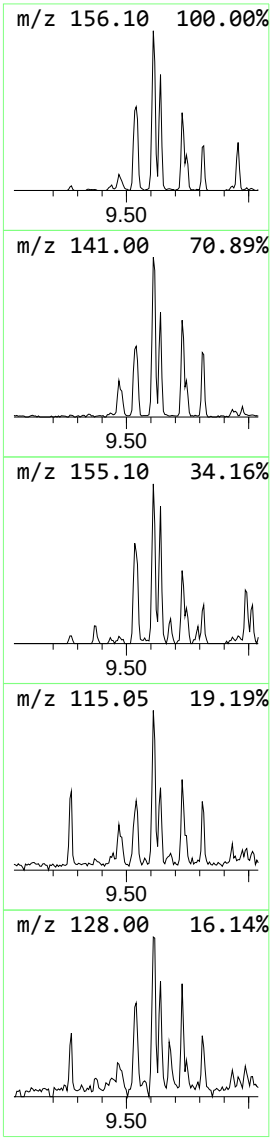
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.539	3.81 ng	118879	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

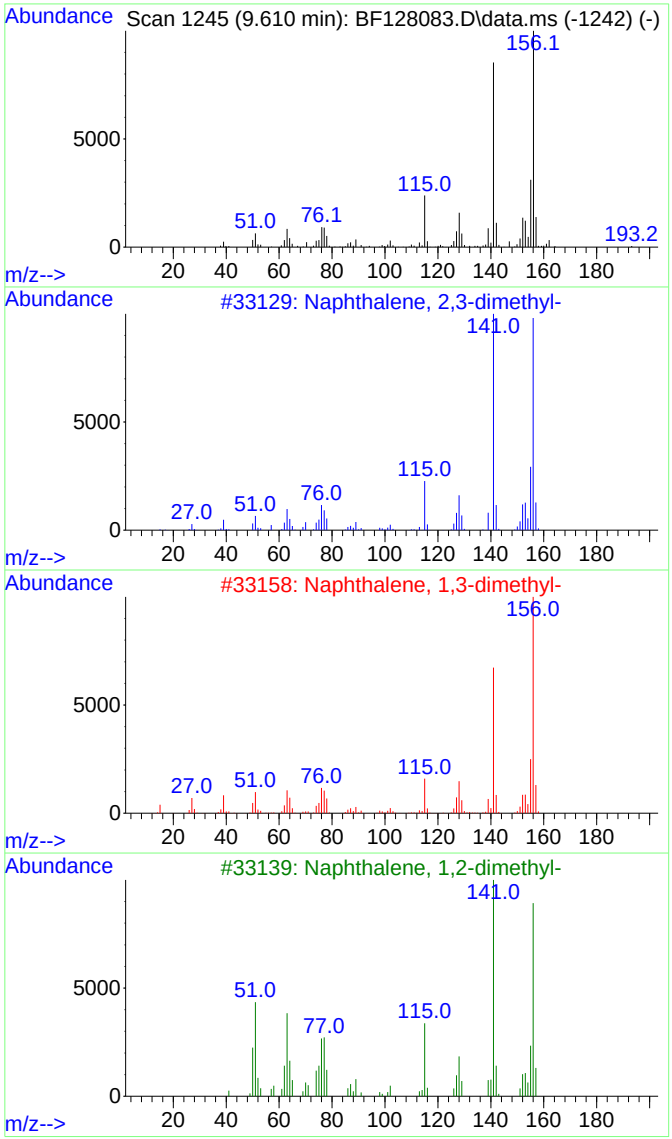
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

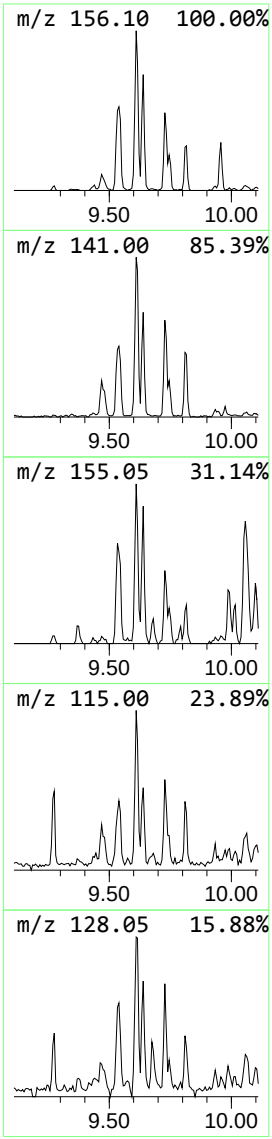
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	4.96 ng	154739	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

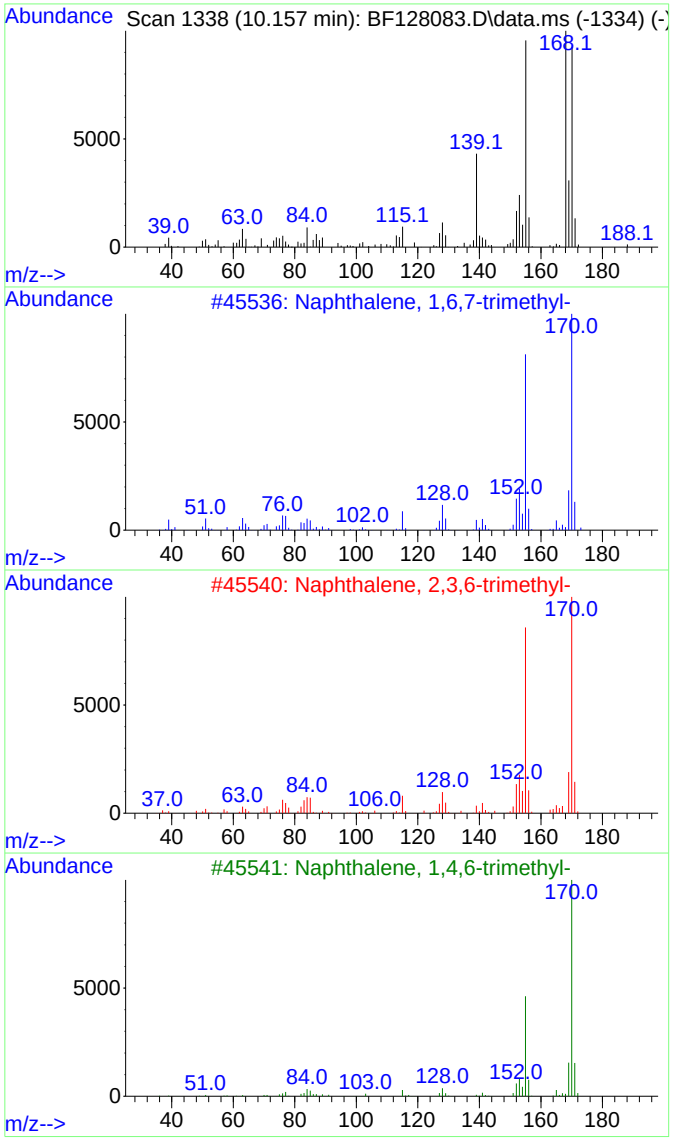
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

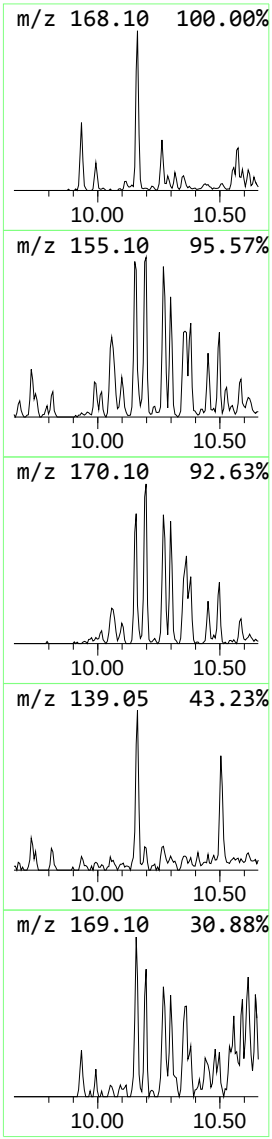
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.157	3.72 ng	116182	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	92
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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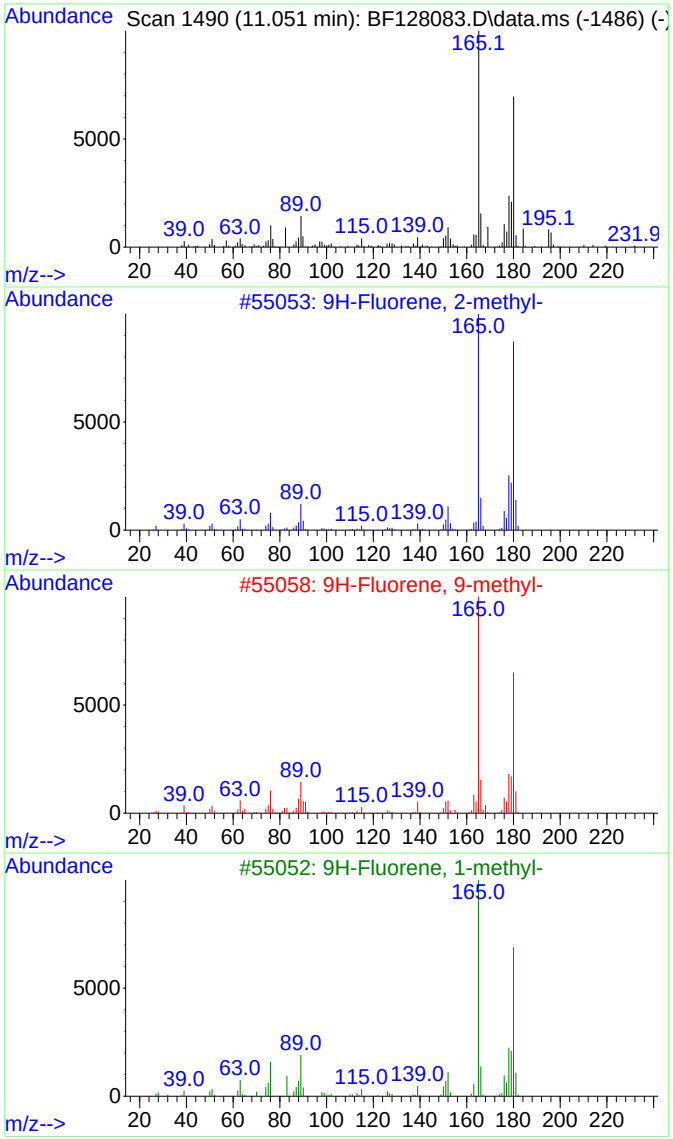
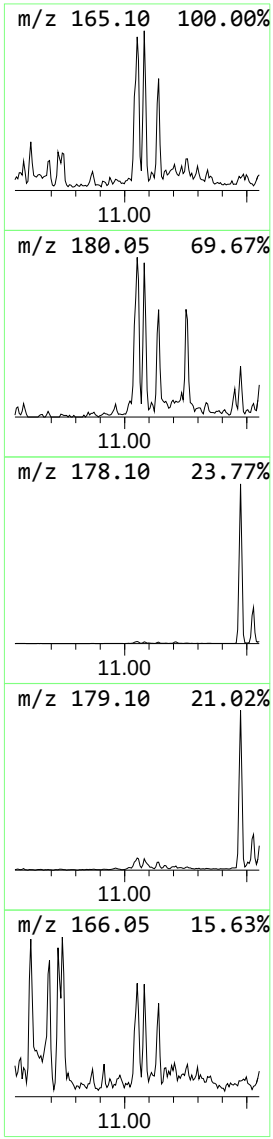
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.051	4.07 ng	139184	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

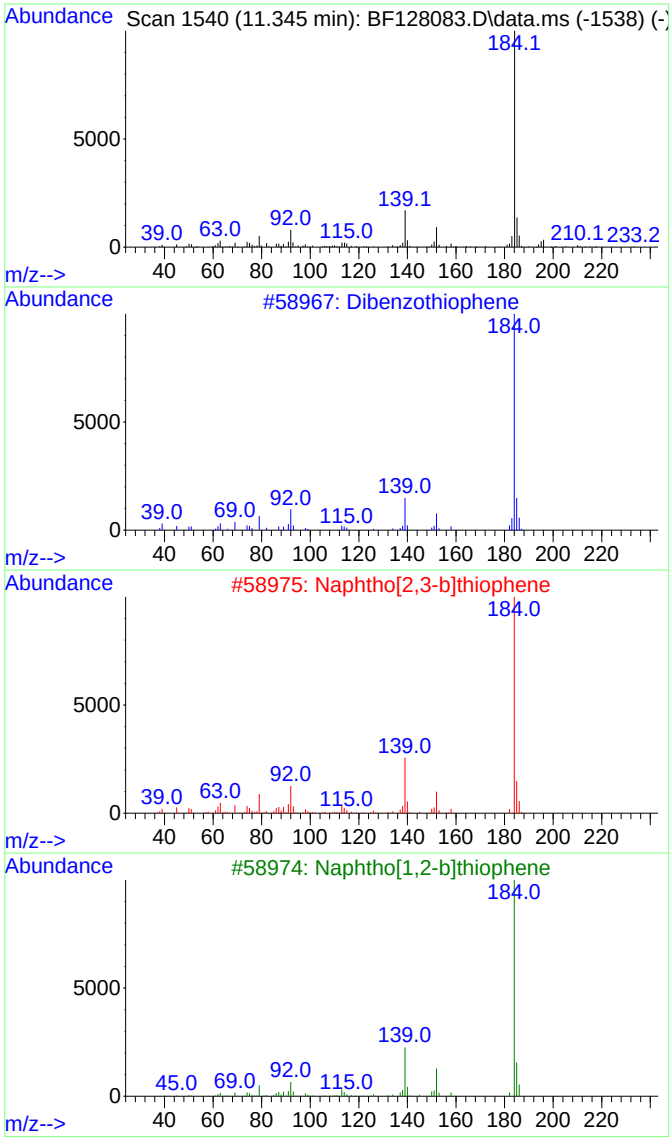
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

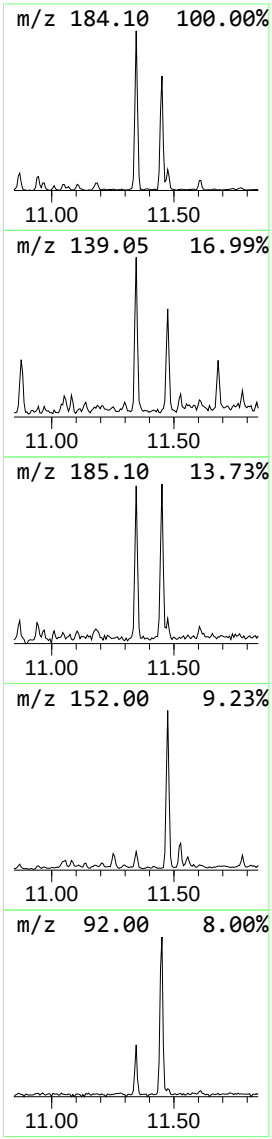
****

Peak Number 5 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.345	3.74 ng	128118	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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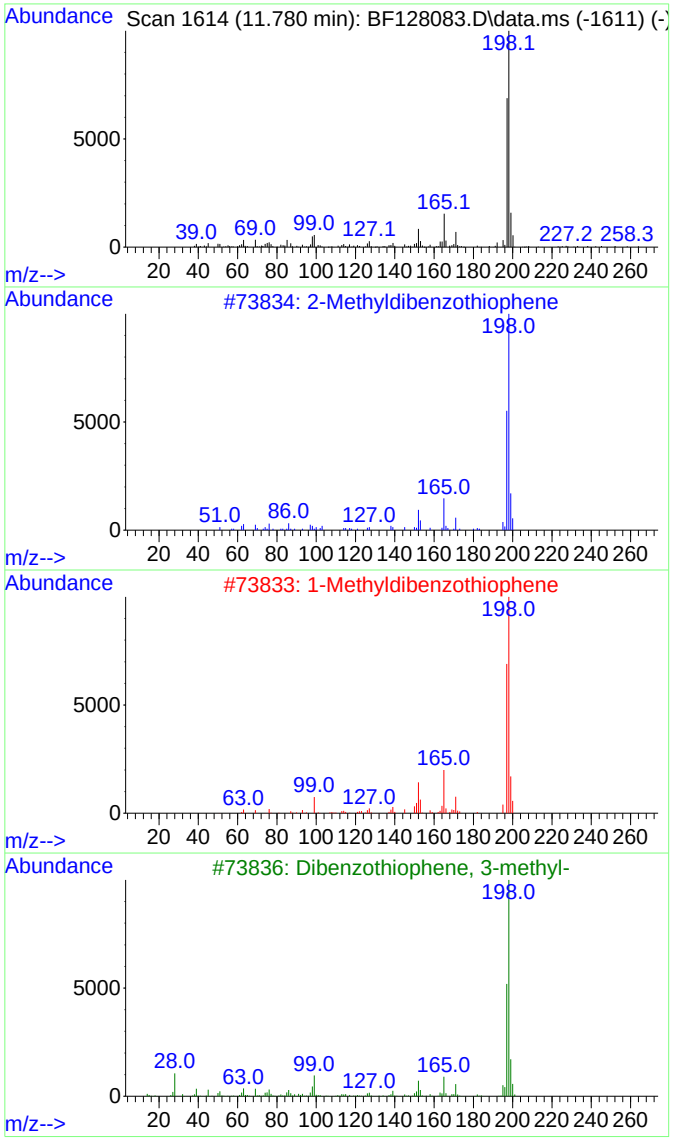
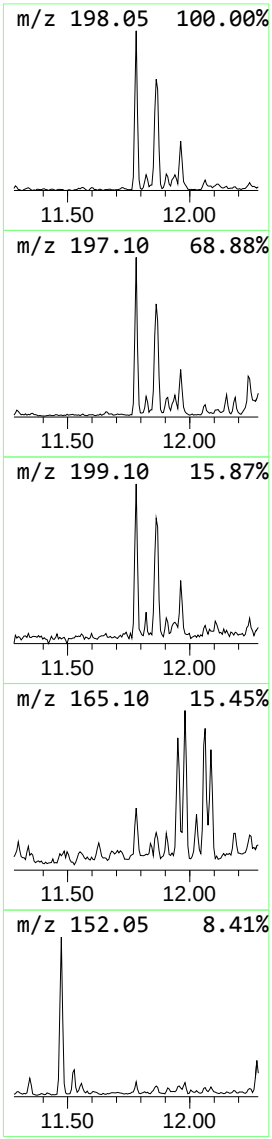
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	3.85 ng	131880	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87





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Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

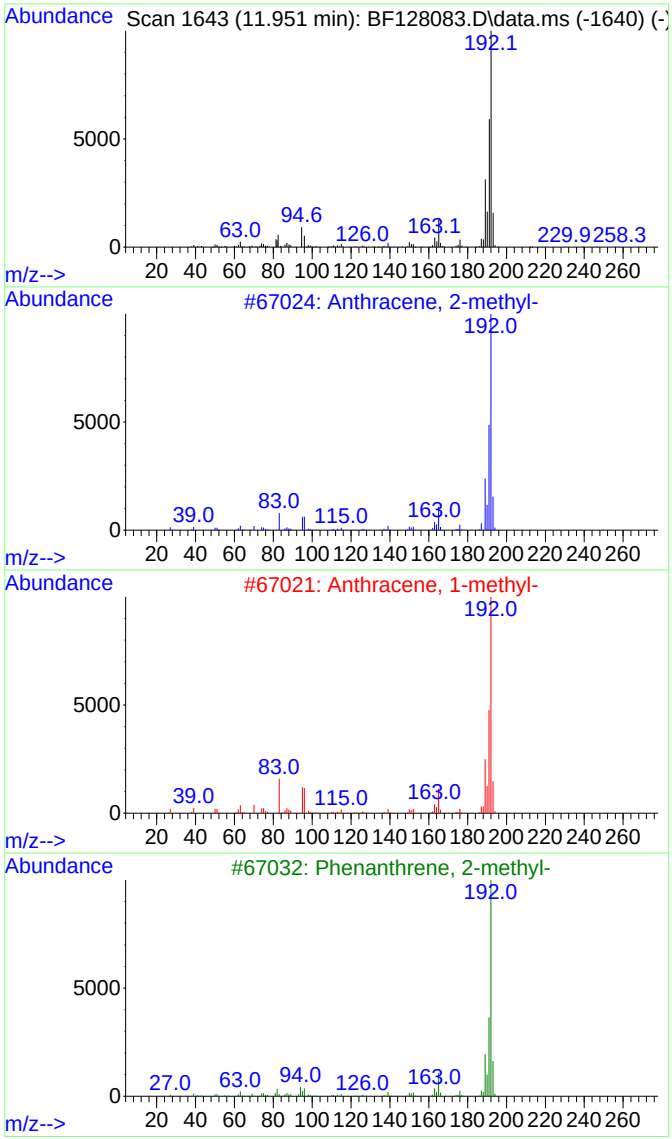
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

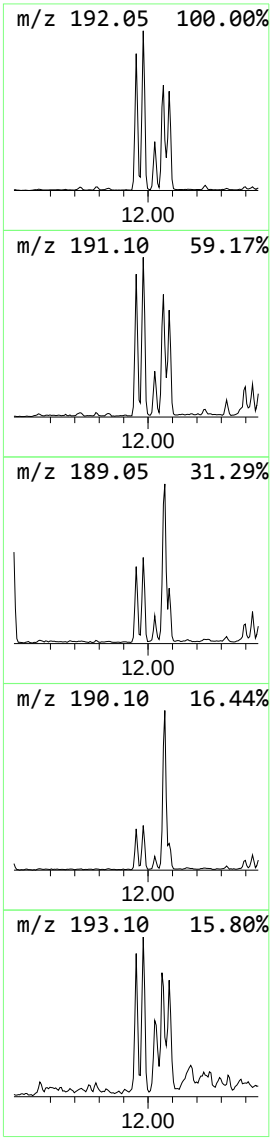
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	12.62 ng	431939	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
OR-03-050322

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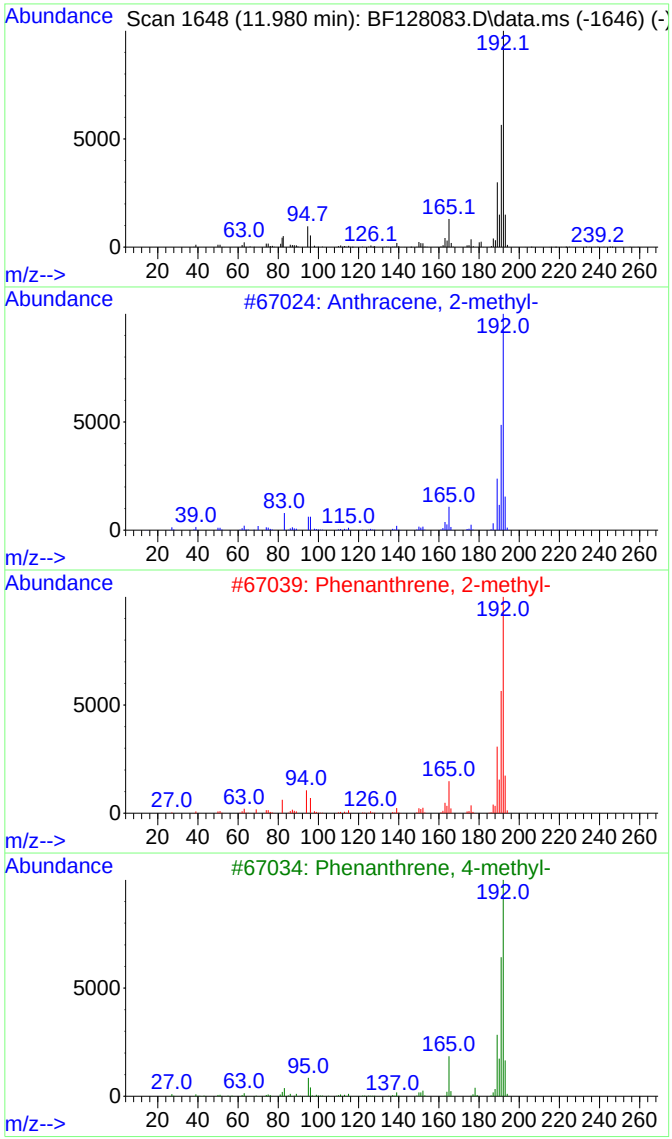
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

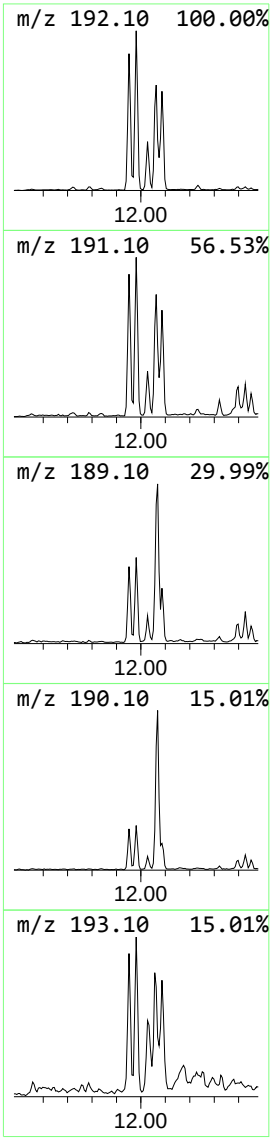
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	11.40 ng	390104	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-050322

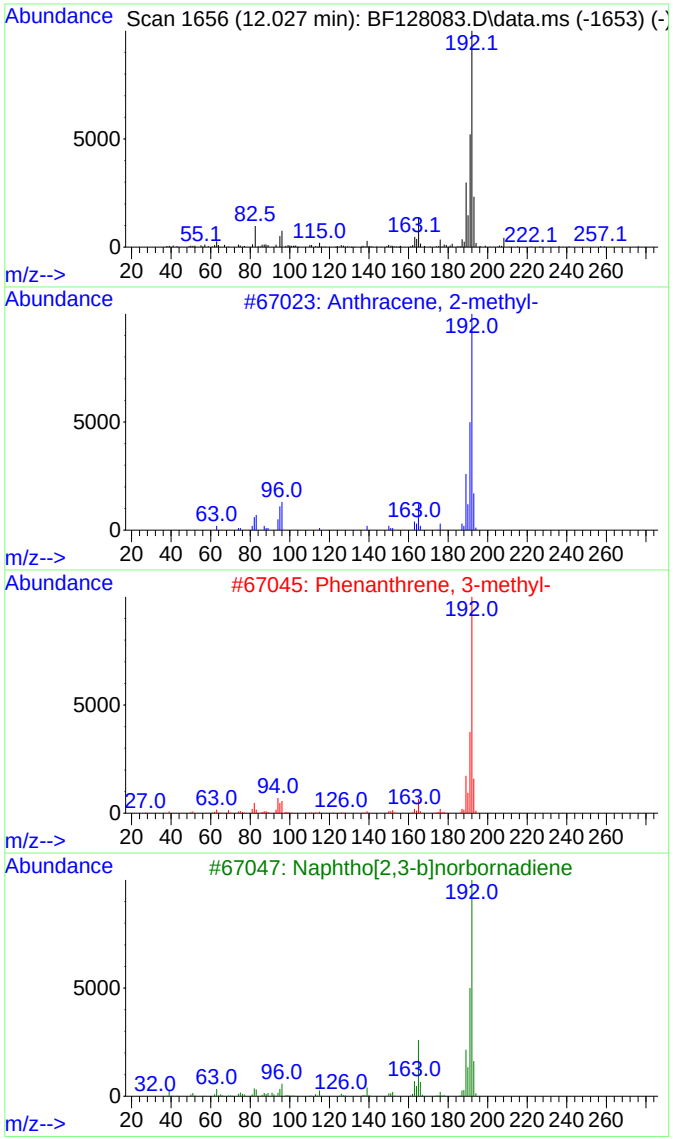
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

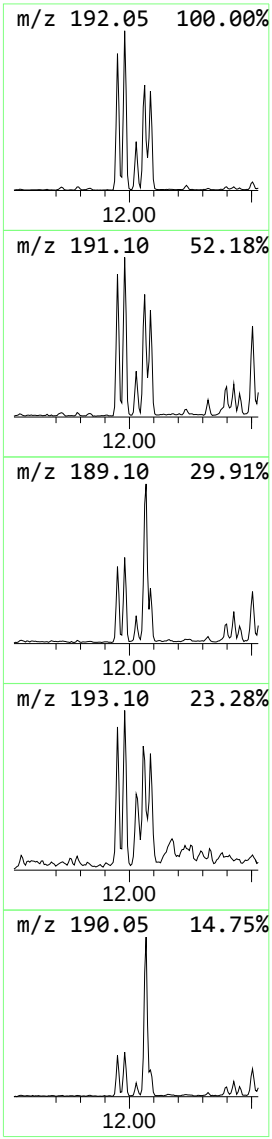
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.028	3.76 ng	128608	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
OR-03-050322

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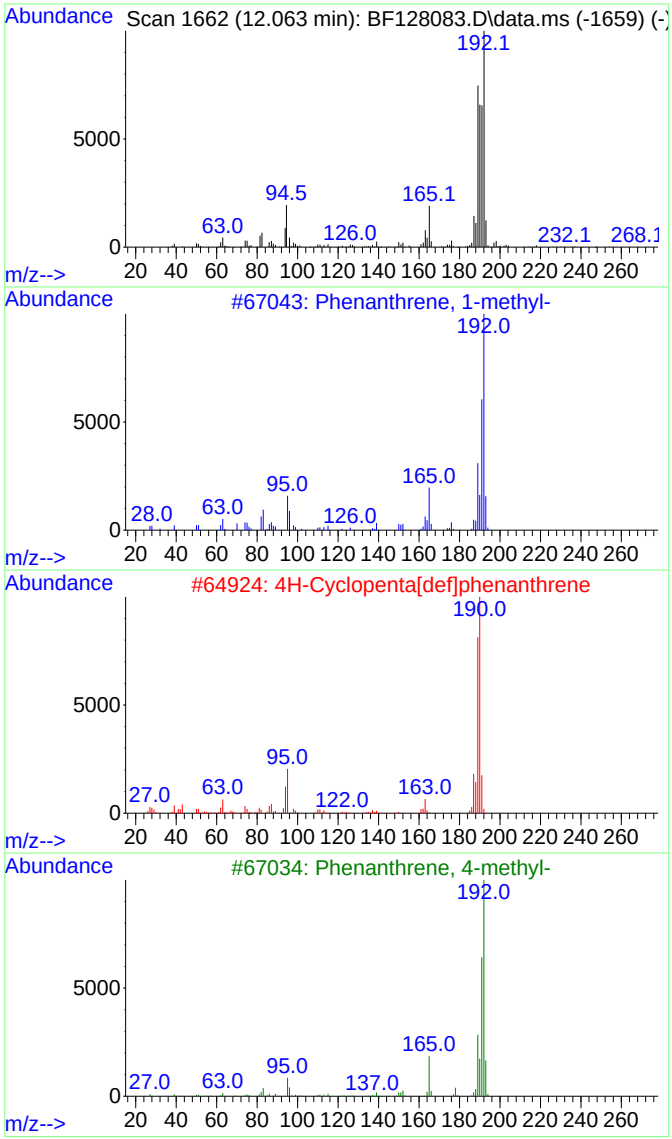
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

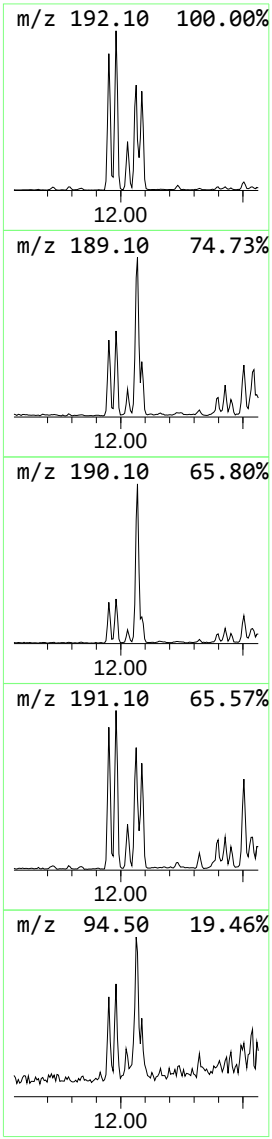
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	16.52 ng	565518	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	45





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Sample : N2669-01
Misc :
ALS Vial : 24 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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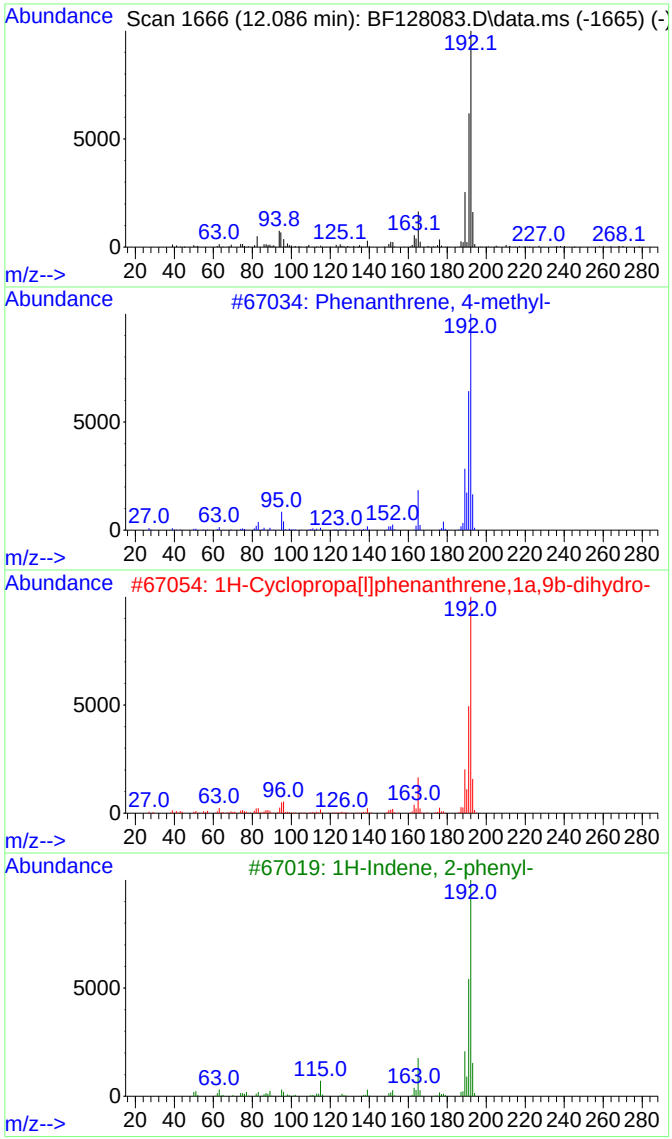
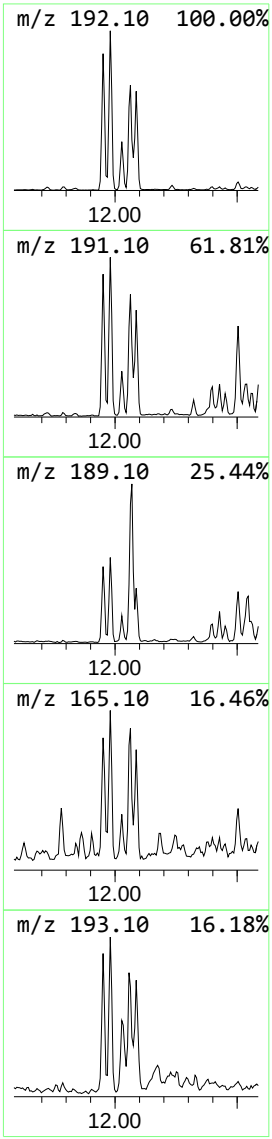
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	5.45 ng	186638	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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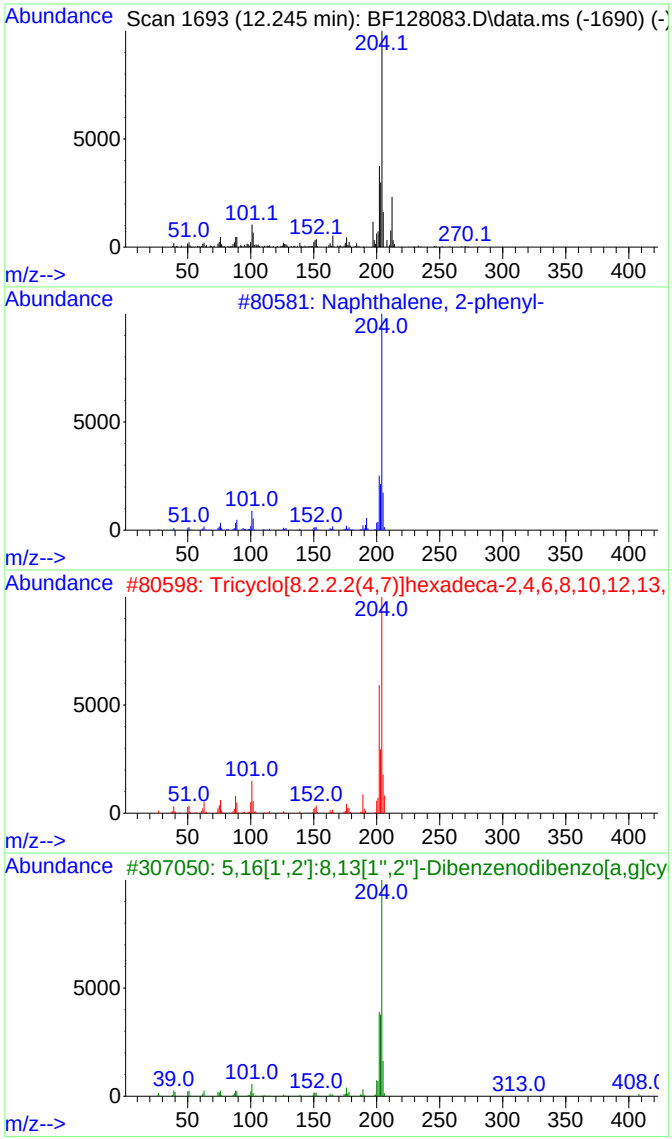
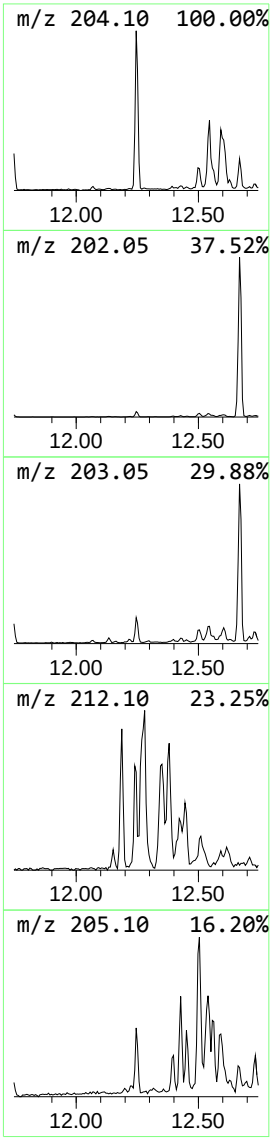
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	4.55 ng	155657	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	55
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	53





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ALS Vial : 24 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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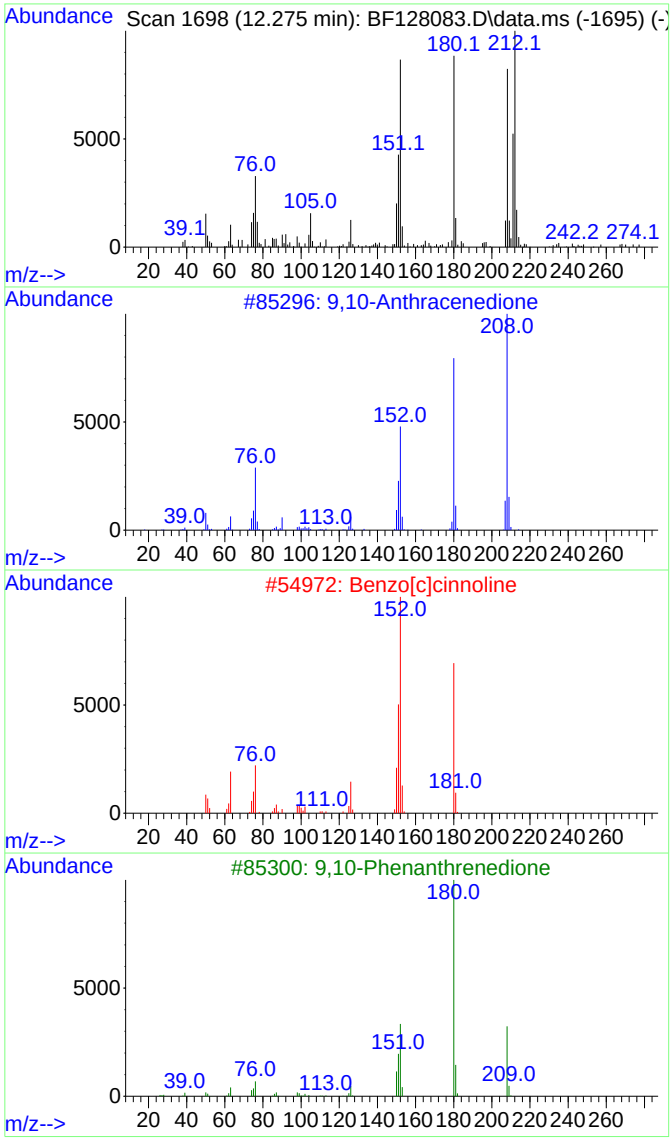
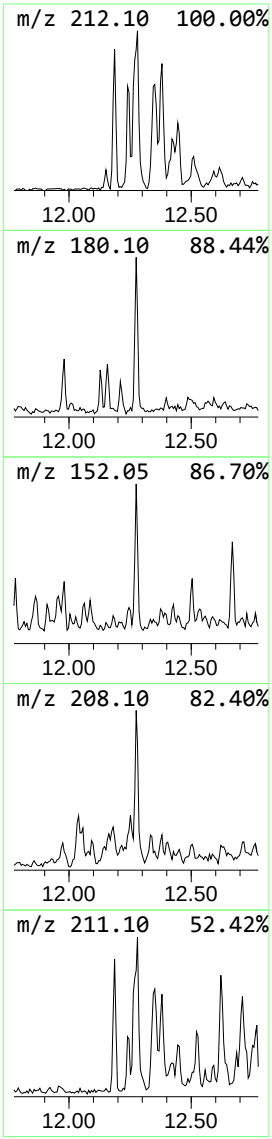
Peak Number 13 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.275	4.42 ng	151231	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	45
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	38





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ALS Vial : 24 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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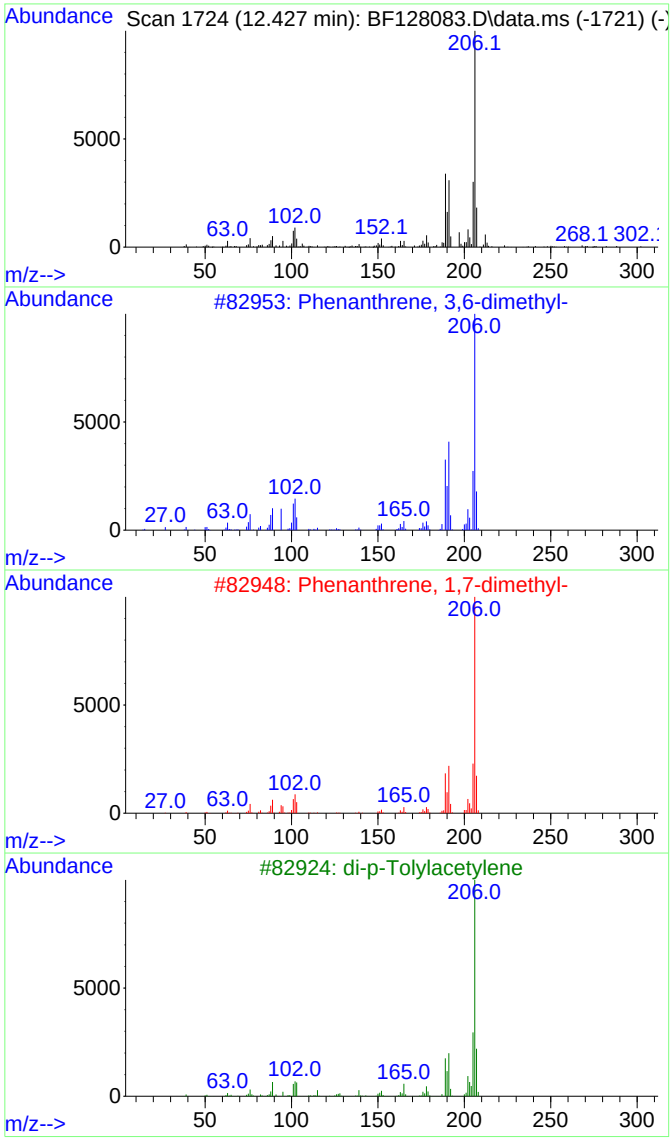
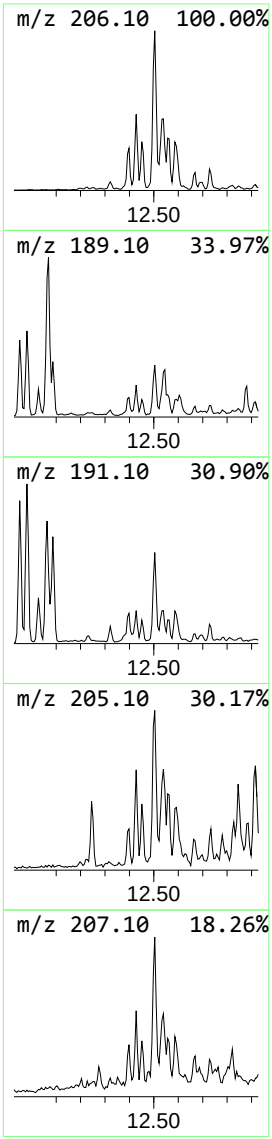
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.78 ng	129523	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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Misc :
ALS Vial : 24 Sample Multiplier: 1

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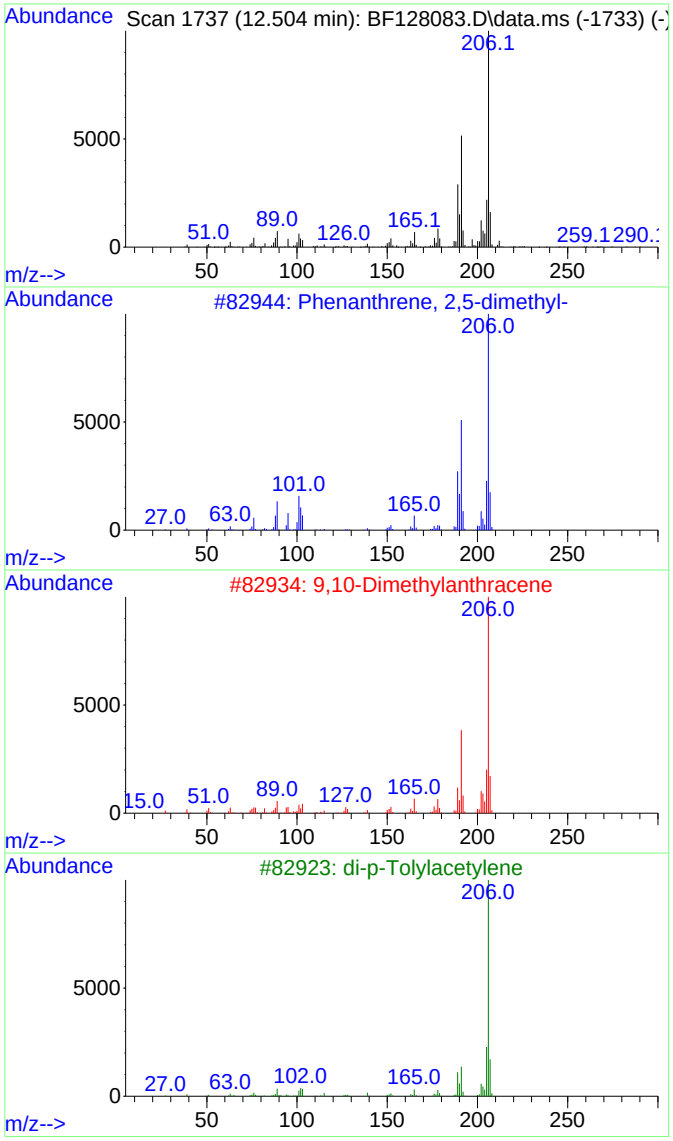
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

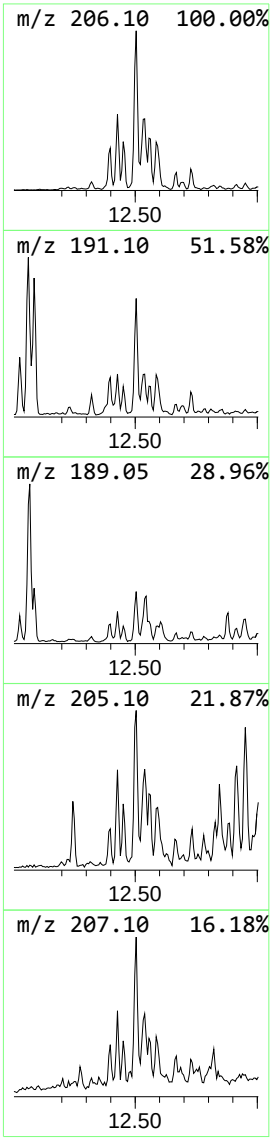
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	10.51 ng	359850	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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ALS Vial : 24 Sample Multiplier: 1

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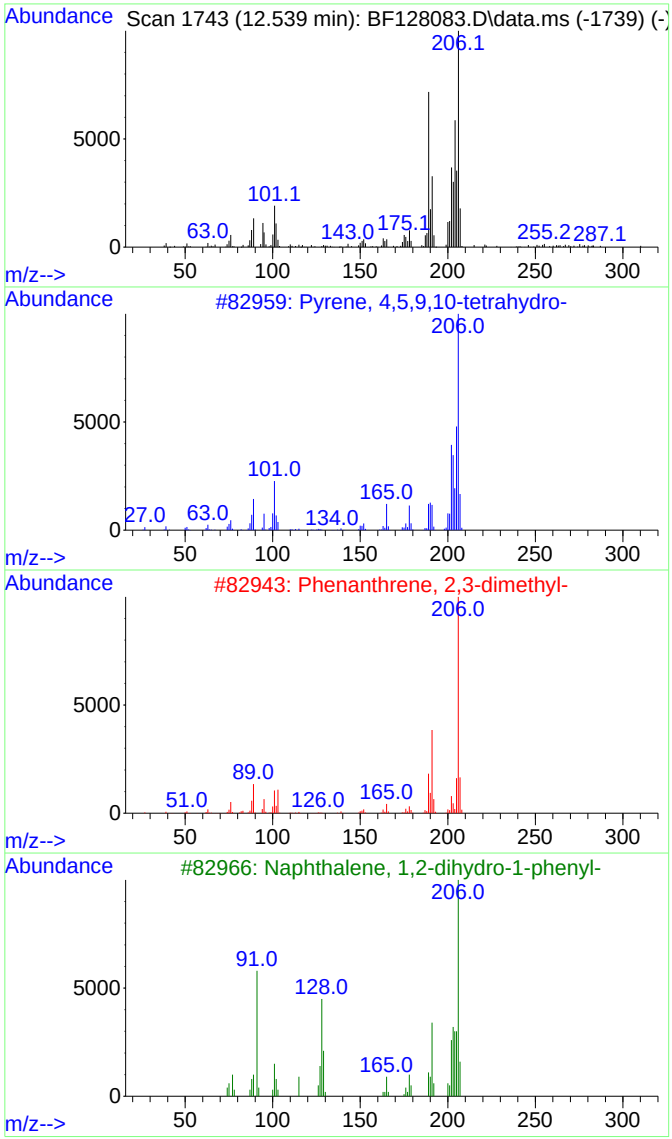
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

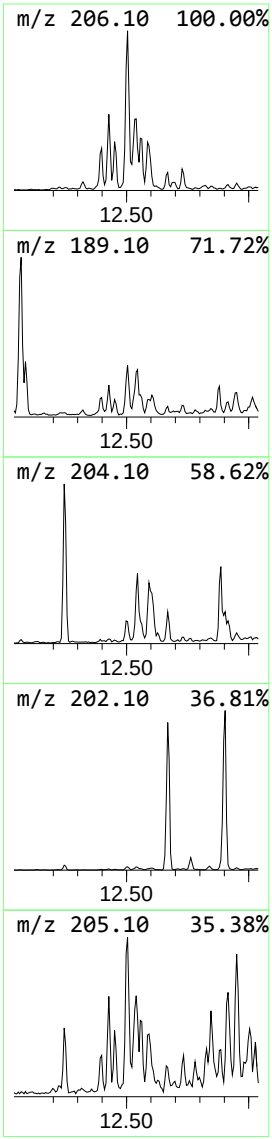
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	6.45 ng	220887	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	64
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	49
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

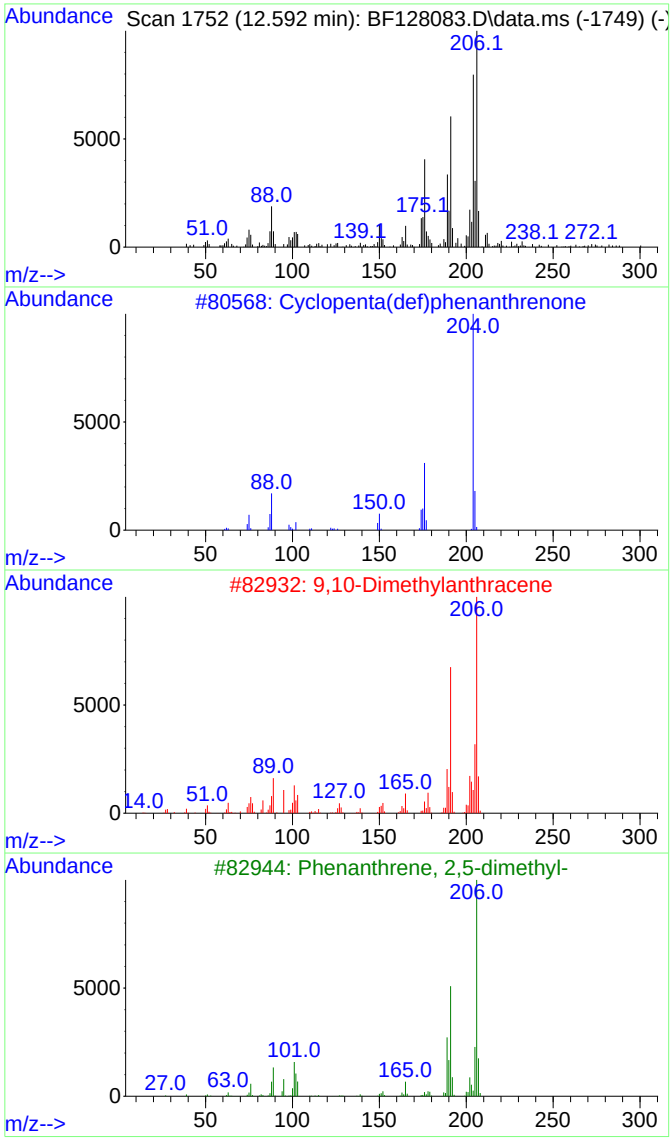
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

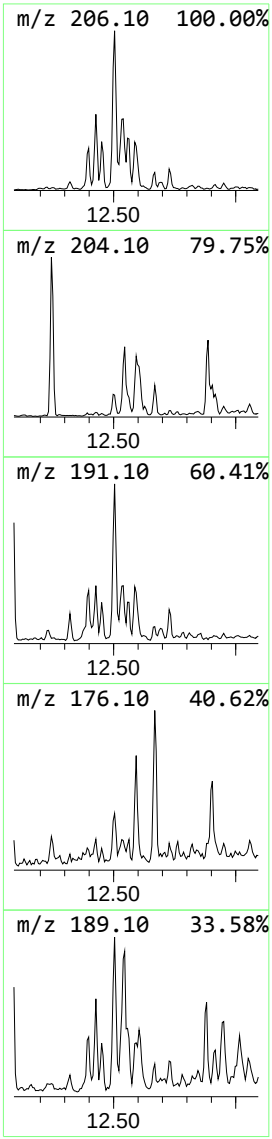
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	6.16 ng	210889	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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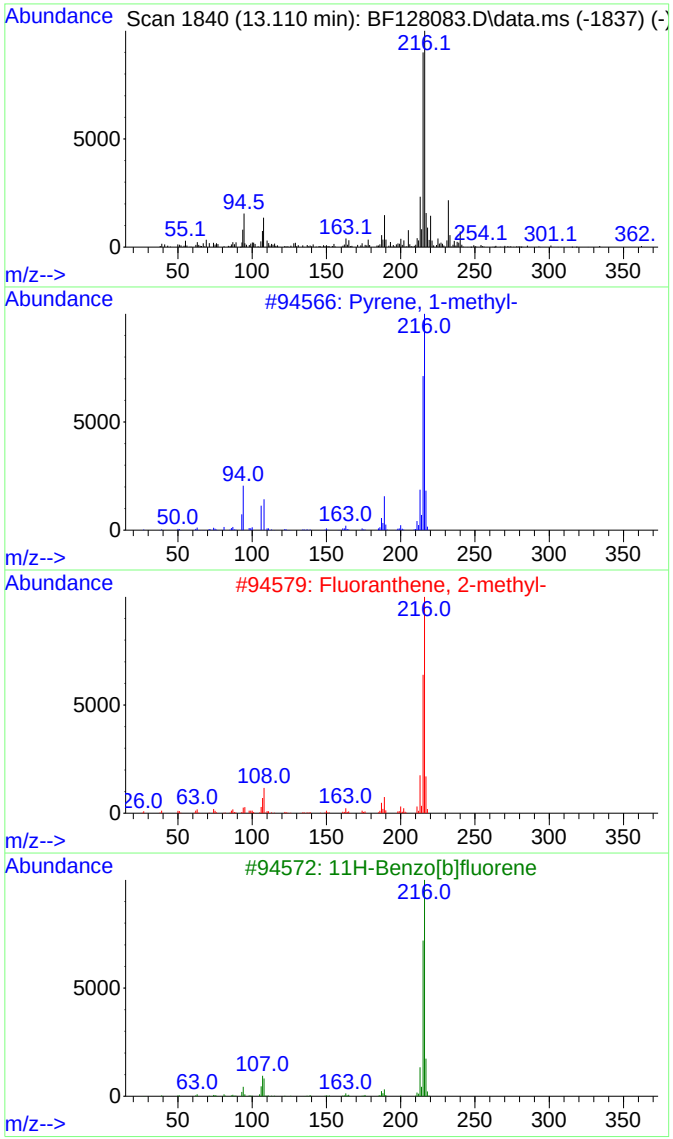
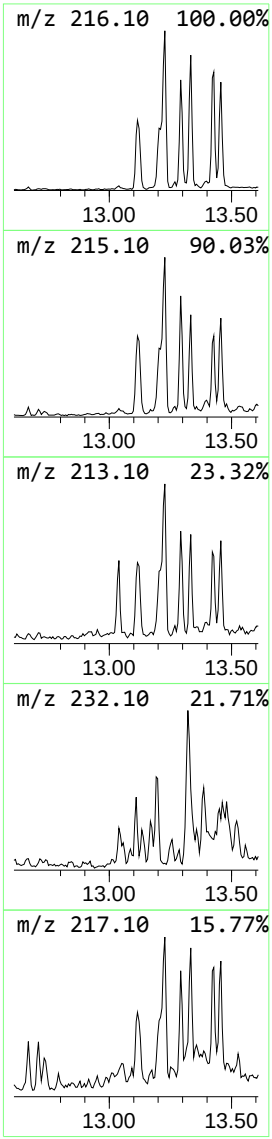
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	5.42 ng	269063	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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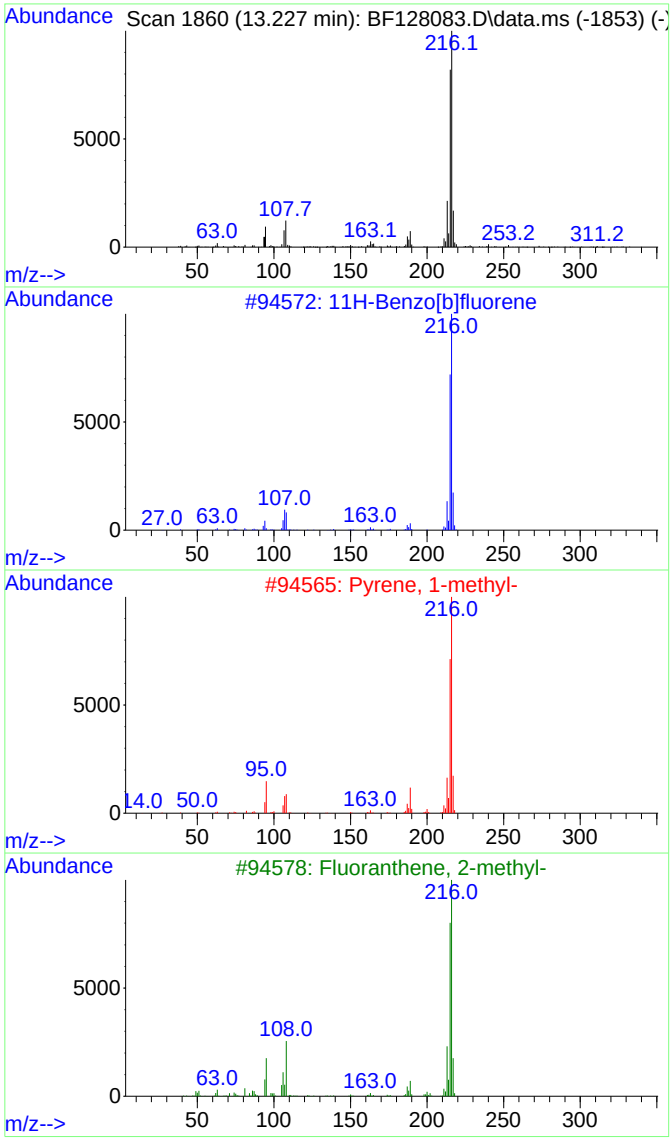
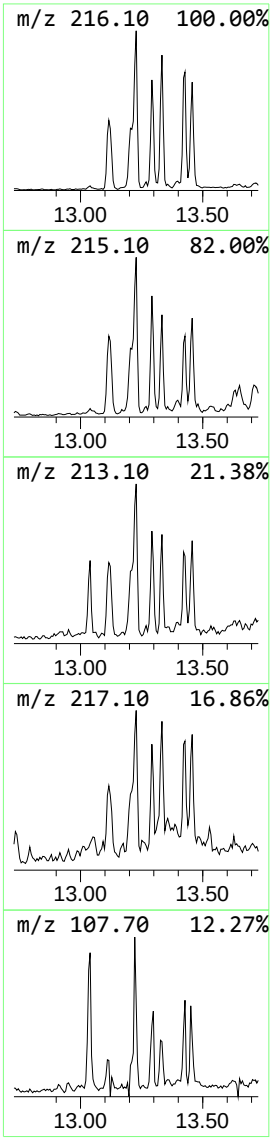
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	8.63 ng	428355	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

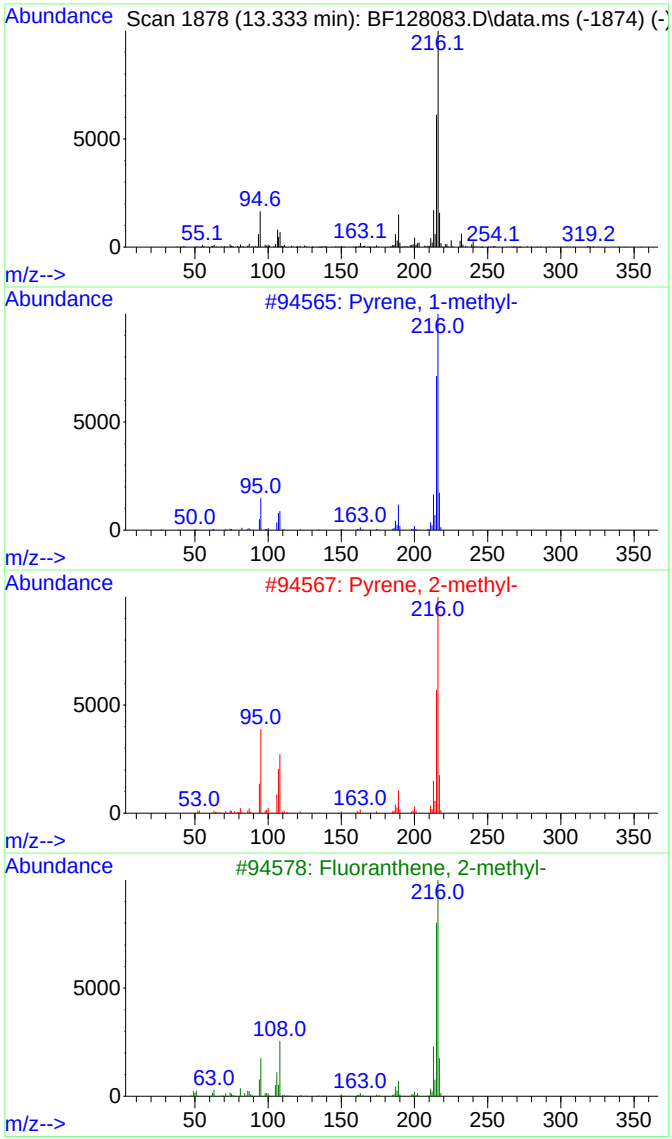
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

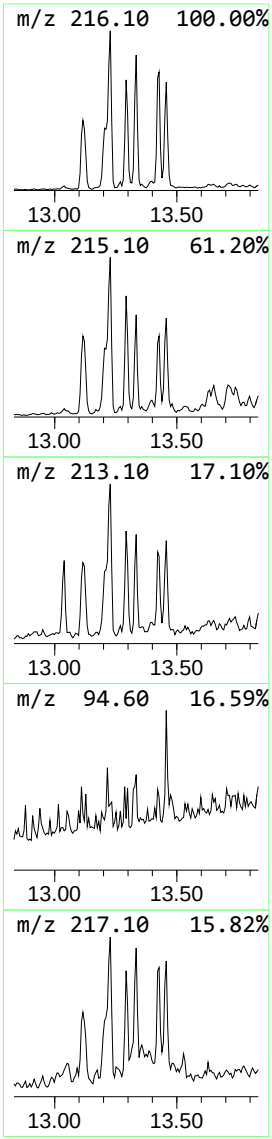
****

Peak Number 20 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.333	4.61 ng	229013	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128083.D
Acq On : 04 May 2022 20:45
Operator : CG\JU
Sample : N2669-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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, 1,...	9.539	3.8	ng	118879	3	9.957	623964	20.0
Naphthalene, 2,...	9.610	5.0	ng	154739	3	9.957	623964	20.0
Naphthalene, 1,...	10.157	3.7	ng	116182	3	9.957	623964	20.0
9H-Fluorene, 2-...	11.051	4.1	ng	139184	4	11.451	684558	20.0
Dibenzothiophene	11.345	3.7	ng	128118	4	11.451	684558	20.0
2-Methyldibenzo...	11.780	3.9	ng	131880	4	11.451	684558	20.0
Anthracene, 2-m...	11.951	12.6	ng	431939	4	11.451	684558	20.0
Phenanthrene, 2...	11.980	11.4	ng	390104	4	11.451	684558	20.0
Phenanthrene, 3...	12.028	3.8	ng	128608	4	11.451	684558	20.0
Phenanthrene, 1...	12.063	16.5	ng	565518	4	11.451	684558	20.0
Phenanthrene, 4...	12.086	5.5	ng	186638	4	11.451	684558	20.0
Naphthalene, 2-...	12.245	4.5	ng	155657	4	11.451	684558	20.0
9,10-Anthracene...	12.275	4.4	ng	151231	4	11.451	684558	20.0
Phenanthrene, 3...	12.427	3.8	ng	129523	4	11.451	684558	20.0
Phenanthrene, 2...	12.504	10.5	ng	359850	4	11.451	684558	20.0
Pyrene, 4,5,9,1...	12.539	6.5	ng	220887	4	11.451	684558	20.0
Cyclopenta(def)...	12.592	6.2	ng	210889	4	11.451	684558	20.0
Pyrene, 1-methyl-	13.110	5.4	ng	269063	5	14.104	992629	20.0
11H-Benzo[b]flu...	13.227	8.6	ng	428355	5	14.104	992629	20.0
Pyrene, 2-methyl-	13.333	4.6	ng	229013	5	14.104	992629	20.0