LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-050222

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: BF128059.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.534	548	552	556	rBV	1632635	1530002	82.51%	4.486%
2	6.540	719	723	726	rBV	1717217	1537361	82.90%	4.507%
3	6.916	783	787	790	rBV	668897	516234	27.84%	1.514%
4	7.475	878	882	886	rBV	1057155	1018322	54.91%	2.986%
5	8.198	1001	1005	1008	rBV	758144	610141	32.90%	1.789%
6	9.010	1138	1143	1146	rBV	201465	166194	8.96%	0.487%
7	9.275	1184	1188	1191	rVB	1928253	1567953	84.55%	4.597%
8	9.469	1219	1221	1227	rVB	60106	76535	4.13%	0.224%
9	9.534	1228	1232	1237	rBV	203156	240571	12.97%	0.705%
10	9.610	1241	1245	1248	rVV	311401	325796	17.57%	0.955%
11	9.640	1248	1250	1255	rVV	155867	139534	7.52%	0.409%
12	9.728	1262	1265	1267	rBV	167703	154990	8.36%	0.454%
13	9.816	1277	1280	1285	rVB	316449	274182	14.79%	0.804%
14	9.957	1301	1304	1307	rVV	731164	585736	31.59%	1.717%
15	9.992	1307	1310	1312	rVV	98191	91710	4.95%	0.269%
16	10.063	1318	1322	1325	rBV2	67770	94827	5.11%	0.278%
17	10.157	1334	1338	1342	rVV2	159276	167124	9.01%	0.490%
18	10.198	1342	1345	1348	rVB	149662	118646	6.40%	0.348%
19	10.269	1353	1357	1360	rBV2	161188	174886	9.43%	0.513%
20	10.298	1360	1362	1365	rVV	93941	73225	3.95%	0.215%
21	10.363	1368	1373	1374	rBV2	100572	134159	7.23%	0.393%
22	10.381	1374	1376	1379	rVB2	102470	81448	4.39%	0.239%
23	10.504	1394	1397	1403	rVB4	118329	194423	10.48%	0.570%
24	10.657	1419	1423	1427	rVB4	60551	87150	4.70%	0.256%
25	10.745	1432	1438	1442	rBV	934448	933674	50.35%	2.737%
26	10.869	1453	1459	1464	rVB3	92114	130307	7.03%	0.382%
27	11.051	1486	1490	1493	rVV3	148105	235912	12.72%	0.692%
28	11.081	1493	1495	1498	rVV	146757	145699	7.86%	0.427%
29	11.139	1502	1505	1508	rVV	127798	116223	6.27%	0.341%
30	11.186	1508	1513	1515	rVV3	73865	121816	6.57%	0.357%
31	11.204	1515	1516	1520	rVV2	73997	77126	4.16%	0.226%
32	11.251	1522	1524	1528	rVV2	74302	93136	5.02%	0.273%
33	11.298	1529	1532	1534	rVV2	74571	82094	4.43%	0.241%
34	11.345	1538	1540	1544	rVB	142760	125535	6.77%	0.368%
35	11.451	1554	1558	1560	rBV	656197	594707	32.07%	1.744%
36	11.475	1560	1562	1566	rVV	1377892	1094305	59.01%	3.208%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-050222

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	11.528	1568	1571	1573	rBV	194576	168693	9.10%	0.495%
38	11.557	1573	1576	1579	rBV2	108083	114730	6.19%	0.336%
39	11.681	1594	1597	1602	rBV3	76627	136728	7.37%	0.401%
40	11.722	1602	1604	1606	rVV2	61645	63398	3.42%	0.186%
41	11.745	1606	1608	1610	rVV	81981	66022	3.56%	0.194%
42	11.781	1610	1614	1618	rVV2	226521	211423	11.40%	0.620%
43	11.828	1619	1622	1626	rVV2	74835	92691	5.00%	0.272%
44	11.863	1626	1628	1632	rVB	101430	106502	5.74%	0.312%
45	11.951	1640	1643	1646	rVV	613853	643696	34.71%	1.887%
46	11.981	1646	1648	1651	rVV	837427	682389	36.80%	2.001%
47	12.028	1654	1656	1659	rVV	144187	127021	6.85%	0.372%
48	12.063	1659	1662	1665	rVV2	794348	872115	47.03%	2.557%
49	12.086	1665	1666	1671	rVB	602435	470032	25.35%	1.378%
50	12.133	1671	1674	1676	rBV2	88027	76580	4.13%	0.225%
51	12.186	1680	1683	1685	rVB2	109169	94499	5.10%	0.277%
52	12.245	1690	1693	1696	rVV	283518	278441	15.02%	0.816%
53	12.275	1696	1698	1704	rVB3	187831	224468	12.10%	0.658%
54	12.381	1713	1716	1717	rBV	108844	94160	5.08%	0.276%
55	12.398	1717	1719	1721	rVV	180206	148535	8.01%	0.435%
56	12.428	1721	1724	1726	rVV	228091	183956	9.92%	0.539%
57	12.451	1726	1728	1731	rVB2	157809	137494	7.41%	0.403%
58	12.504	1731	1737	1740	rBV	648062	738814	39.84%	2.166%
59	12.539	1740	1743	1745	rVV2	282881	362989	19.57%	1.064%
60	12.563	1745	1747	1749	rVB	268751	191012	10.30%	0.560%
61	12.592	1749	1752	1756	rBV2	274968	389433	21.00%	1.142%
62	12.669	1762	1765	1769	rVB	1480482	1339894	72.25%	3.928%
63	12.710	1769	1772	1774	rBV	146557	136467	7.36%	0.400%
64	12.733	1774	1776	1779	rVB2	166201	133511	7.20%	0.391%
65	12.763	1779	1781	1784	rVB	217873	156999	8.47%	0.460%
66	12.798	1784	1787	1789	rBV2	114931	105413	5.68%	0.309%
67	12.822	1789	1791	1793	rVV	116608	89704	4.84%	0.263%
68	12.845	1793	1795	1798	rVB2	105598	90582	4.88%	0.266%
69	12.904	1798	1805	1810	rBV	1821829	1854399	100.00%	5.437%
70	12.951	1810	1813	1816	rVB	215307	211657	11.41%	0.621%
71	13.010	1820	1823	1824	rBV	109436	94196	5.08%	0.276%
72	13.039	1824	1828	1835	rVB	1540841	1537358	82.90%	4.507%
73	13.116	1837	1841	1848	rBV5	286731	533642	28.78%	1.565%
74	13.169	1848	1850	1852	rBV2	110942	92650	5.00%	0.272%
75	13.204	1852	1856	1857	rBV2	256065	272057	14.67%	0.798%
76	13.228	1857	1860	1862	rVB2	430563	426748	23.01%	1.251%

LSC Area Percent Report

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Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-050222

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	13.257	1862	1865	1866	rBV2	79562	74769	4.03%	0.219%
78	13.292	1869	1871	1874	rVV	196100	167623	9.04%	0.491%
79	13.333	1875	1878	1881	rVB	370336	301108	16.24%	0.883%
80	13.386	1885	1887	1891	rBV4	50997	71580	3.86%	0.210%
81	13.428	1891	1894	1896	rBV	327978	261387	14.10%	0.766%
82	13.457	1896	1899	1901	rBV	330914	258763	13.95%	0.759%
83	13.598	1921	1923	1925	rBV2	99513	92563	4.99%	0.271%
84	13.733	1944	1946	1951	rVB	222876	242471	13.08%	0.711%
85	13.851	1961	1966	1968	rBV3	182822	271210	14.63%	0.795%
86	13.875	1968	1970	1973	rVB	132697	96587	5.21%	0.283%
87	13.904	1973	1975	1977	rBV	113317	108769	5.87%	0.319%
88	13.945	1980	1982	1986	rVB	218089	226541	12.22%	0.664%
89	14.092	2003	2007	2011	rBV2	840949	1250218	67.42%	3.666%
90	14.127	2011	2013	2020	rVB	798053	698999	37.69%	2.049%
91	14.245	2031	2033	2043	rVB5	233758	339033	18.28%	0.994%
92	14.357	2050	2052	2055	rBV	91331	69100	3.73%	0.203%
93	14.486	2072	2074	2077	rVB	273965	220891	11.91%	0.648%
94	14.522	2077	2080	2083	rBV	182293	157553	8.50%	0.462%
95	14.551	2083	2085	2088	rBV2	113922	127547	6.88%	0.374%
96	14.616	2093	2096	2098	rVV	182535	148941	8.03%	0.437%
97	15.163	2186	2189	2196	rVB	284691	487554	26.29%	1.429%
98	15.480	2240	2243	2248	rVB	202256	237439	12.80%	0.696%
99	15.545	2251	2254	2261	rVB	303143	382232	20.61%	1.121%
100	15.610	2262	2265	2269	rBV	276289	351898	18.98%	1.032%

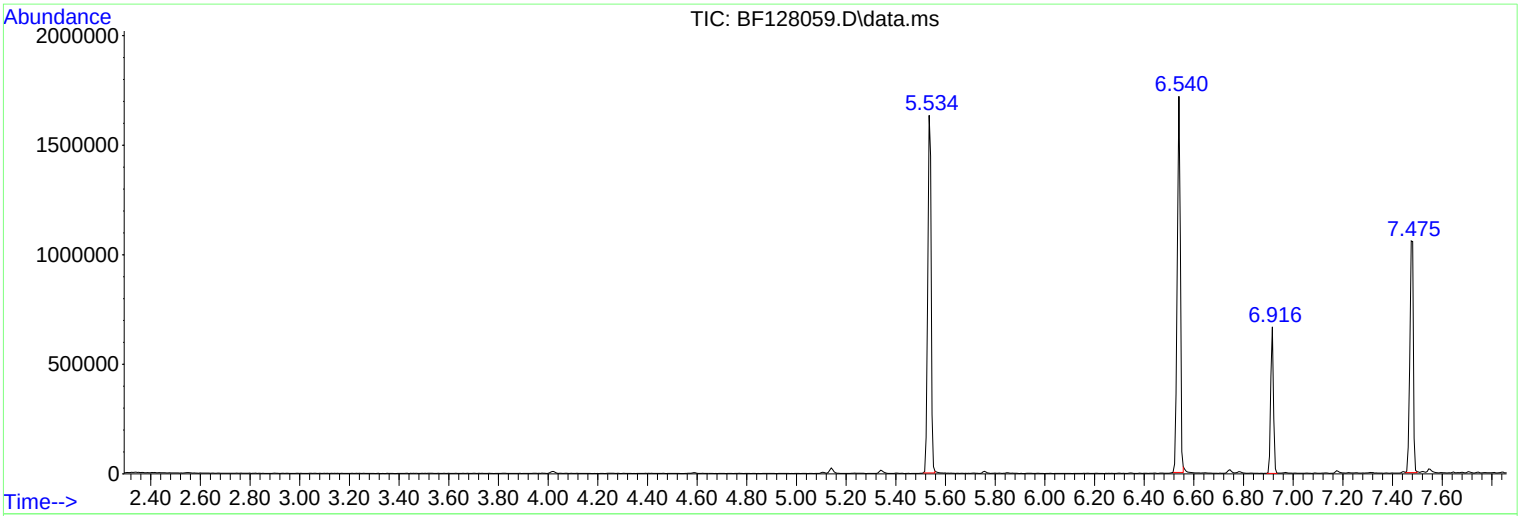
Sum of corrected areas: 34107557

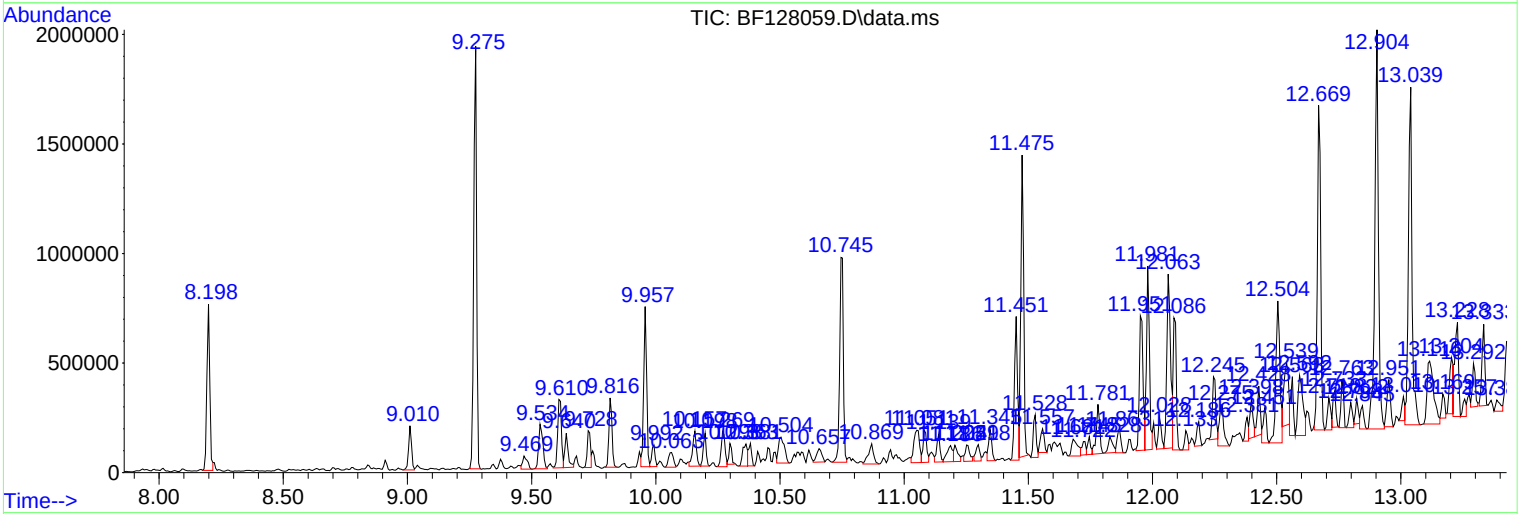
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

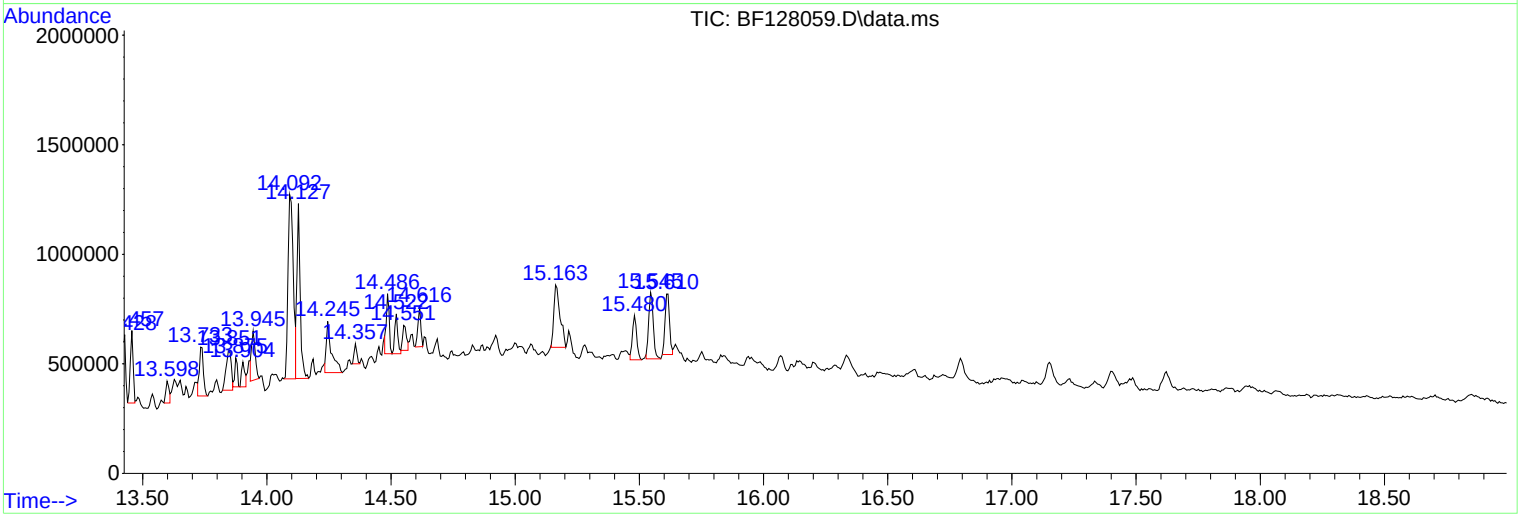
Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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

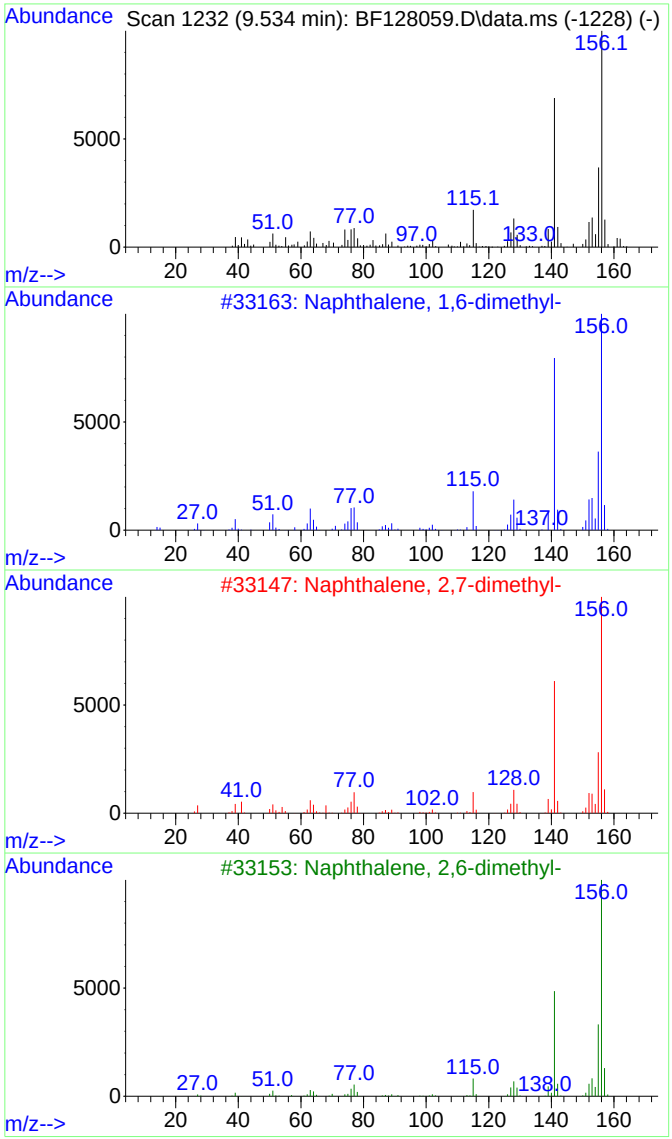
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

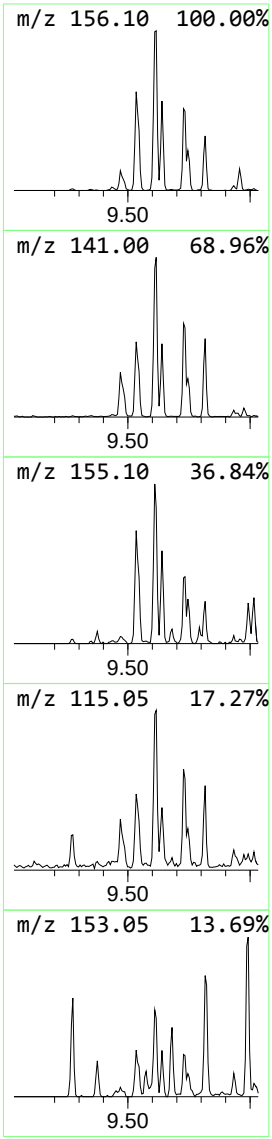
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.534	8.21 ng	240571	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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

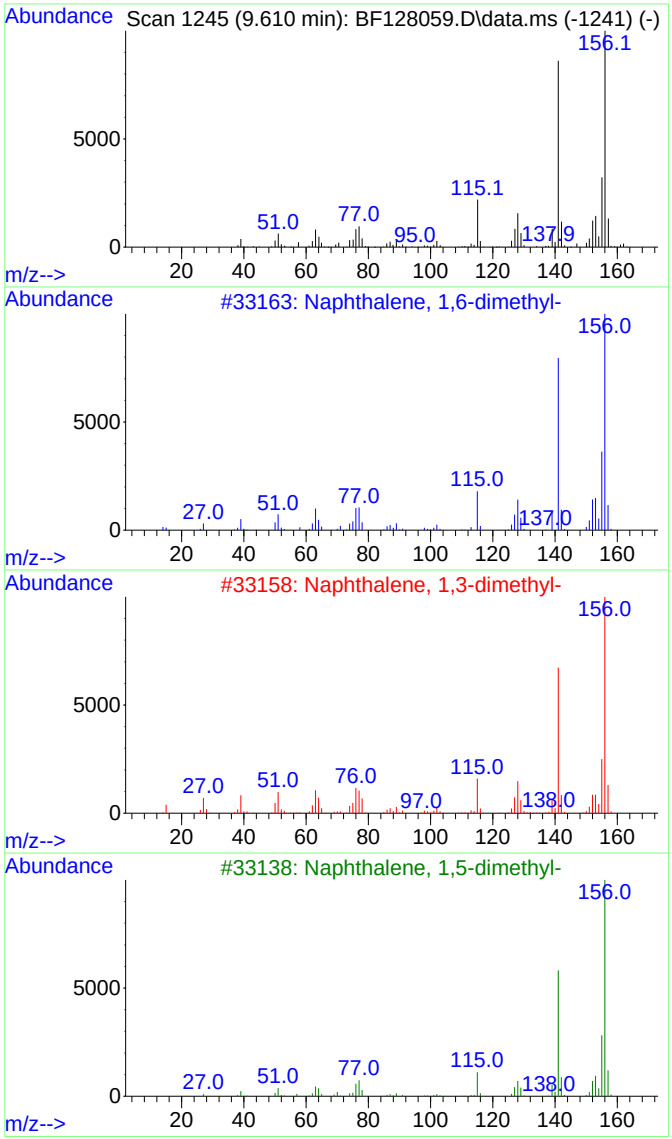
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

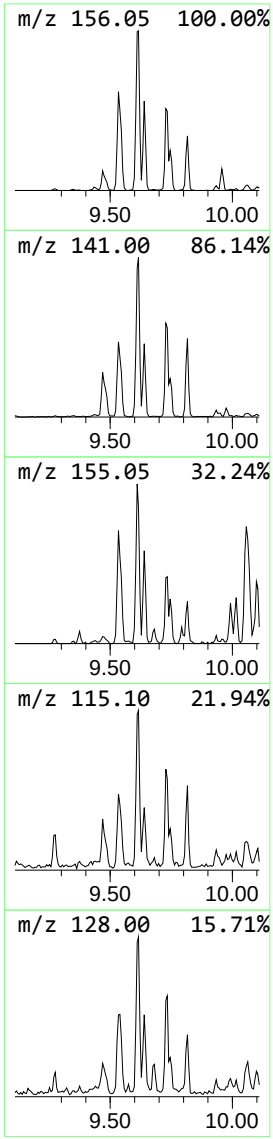
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	11.12 ng	325796	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, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

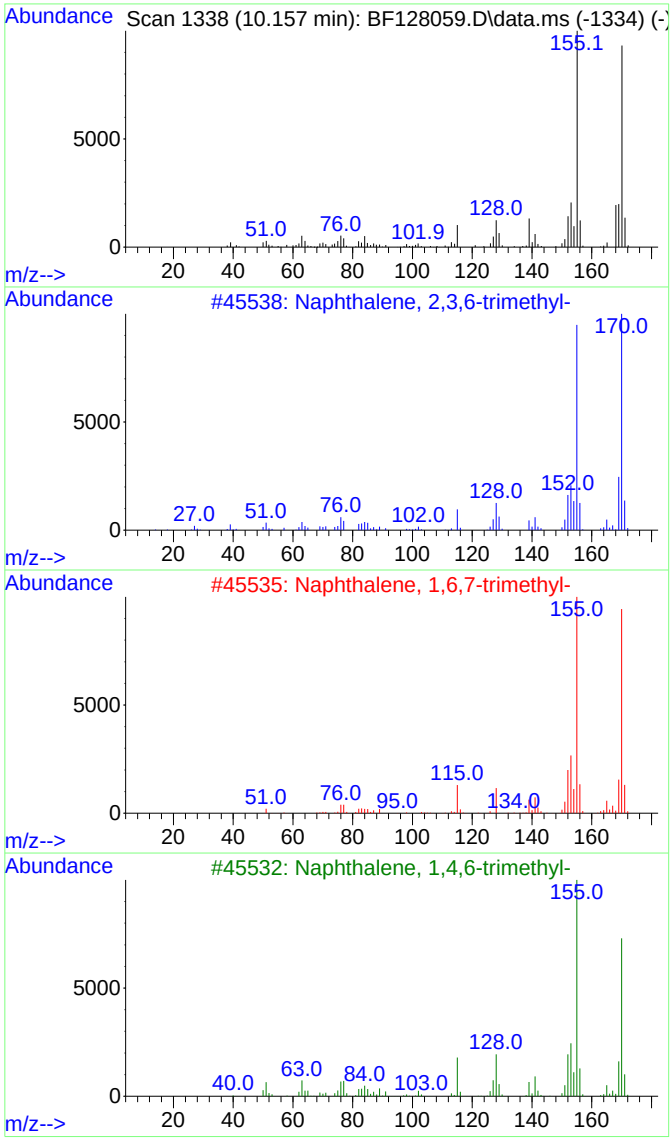
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

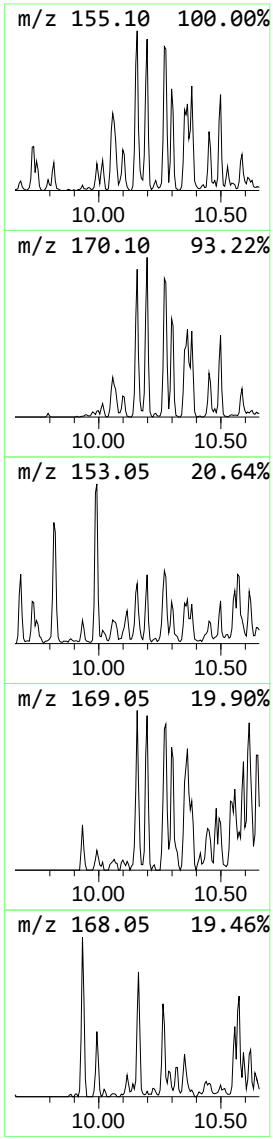
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.157	5.71 ng	167124	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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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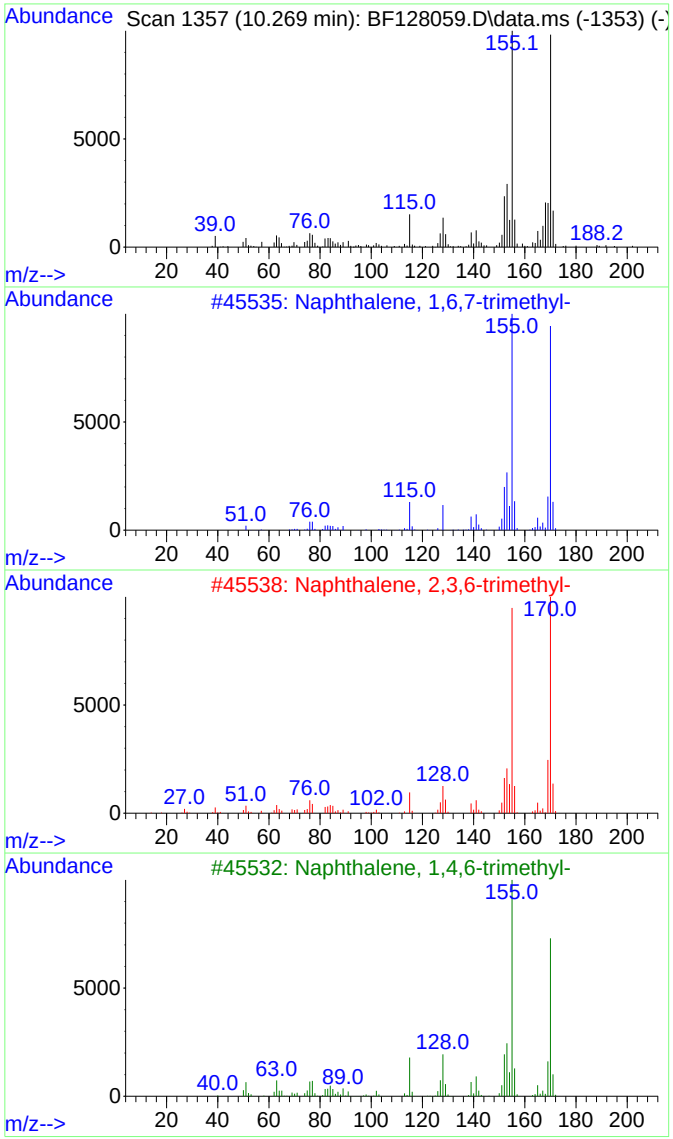
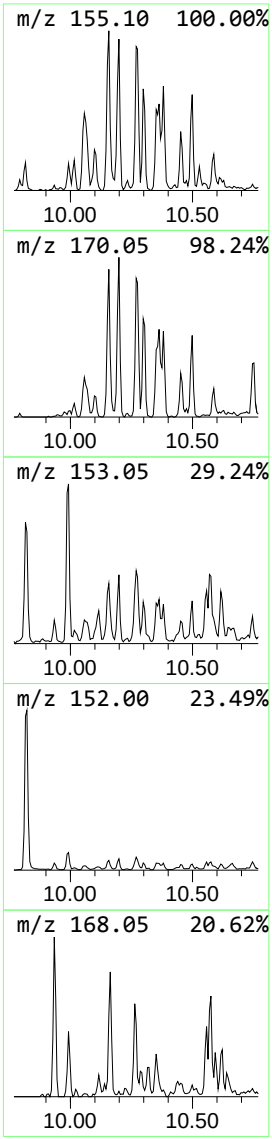
Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.269	5.97 ng	174886	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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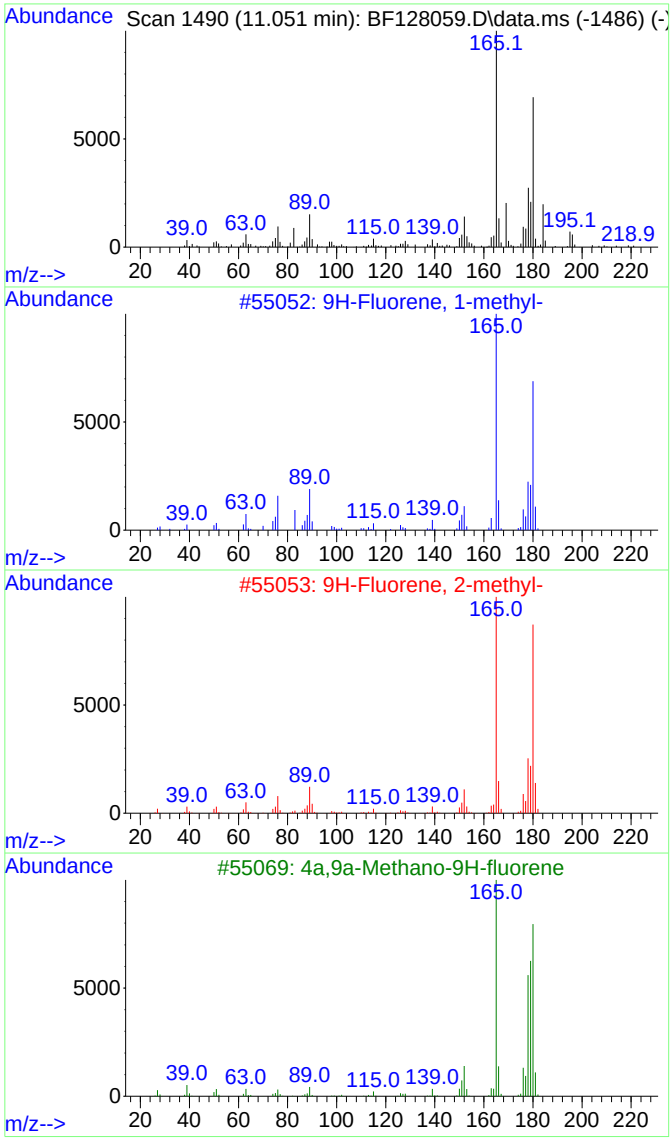
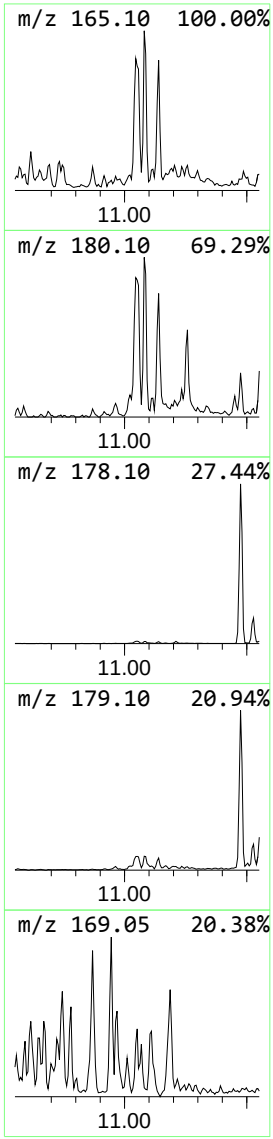
Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.051	7.93 ng	235912	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	60
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58





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Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-050222

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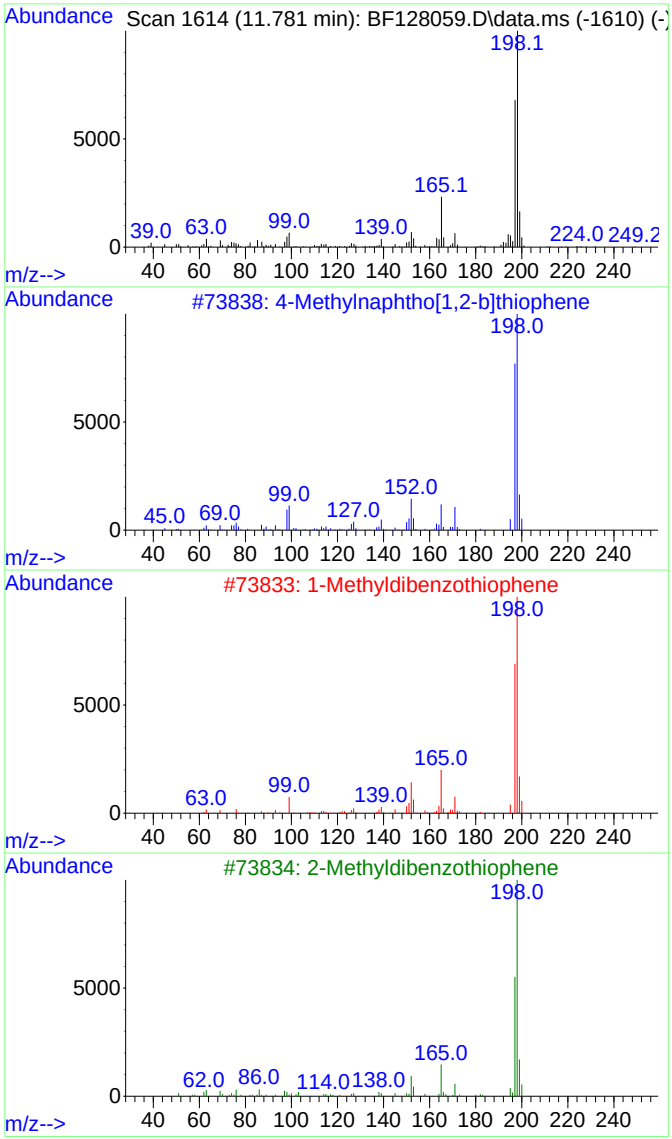
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

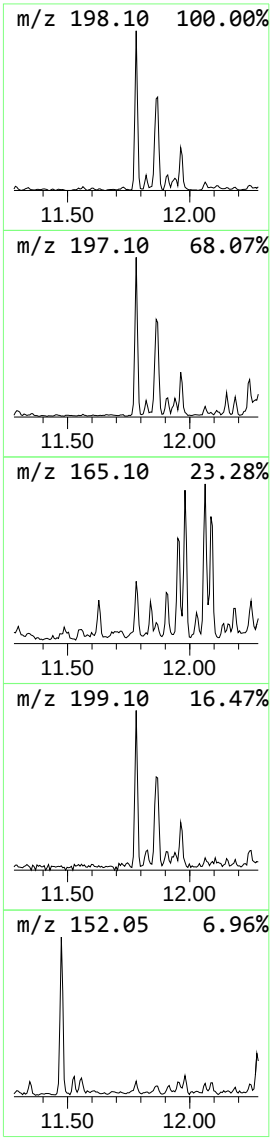
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.781	7.11 ng	211423	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-050222

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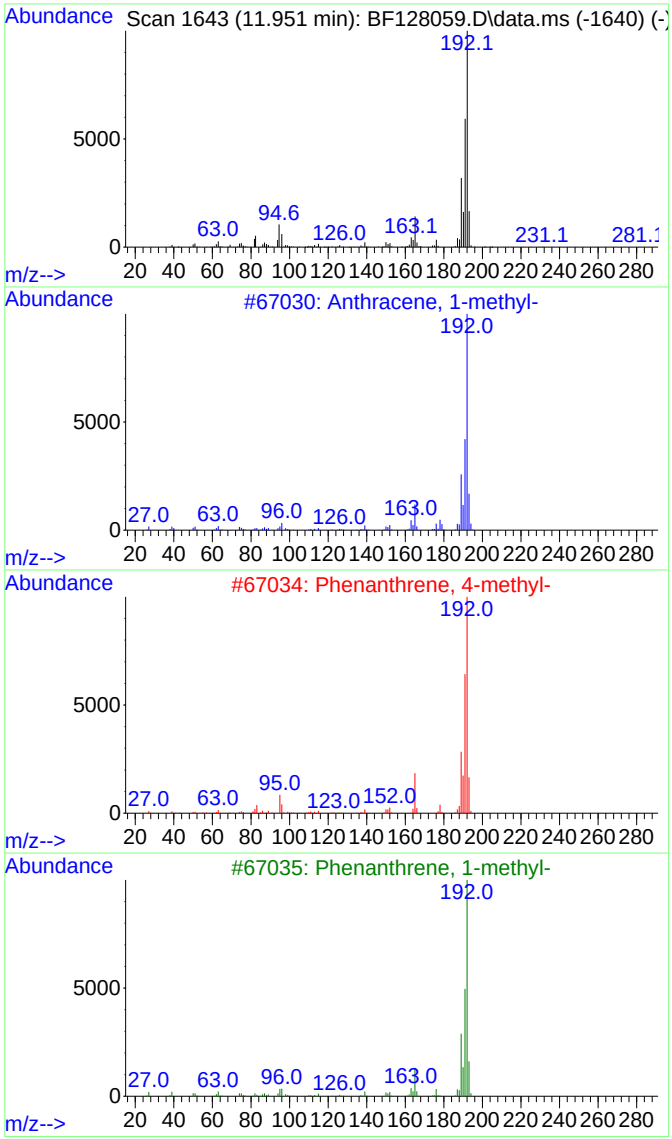
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

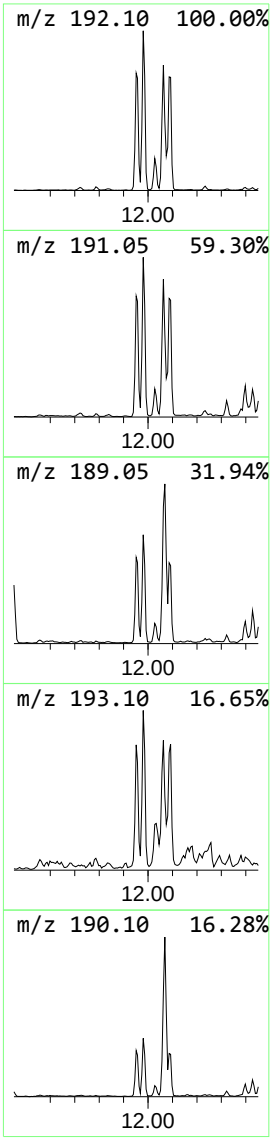
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	21.65 ng	643696	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92





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Operator : CG\JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-050222

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

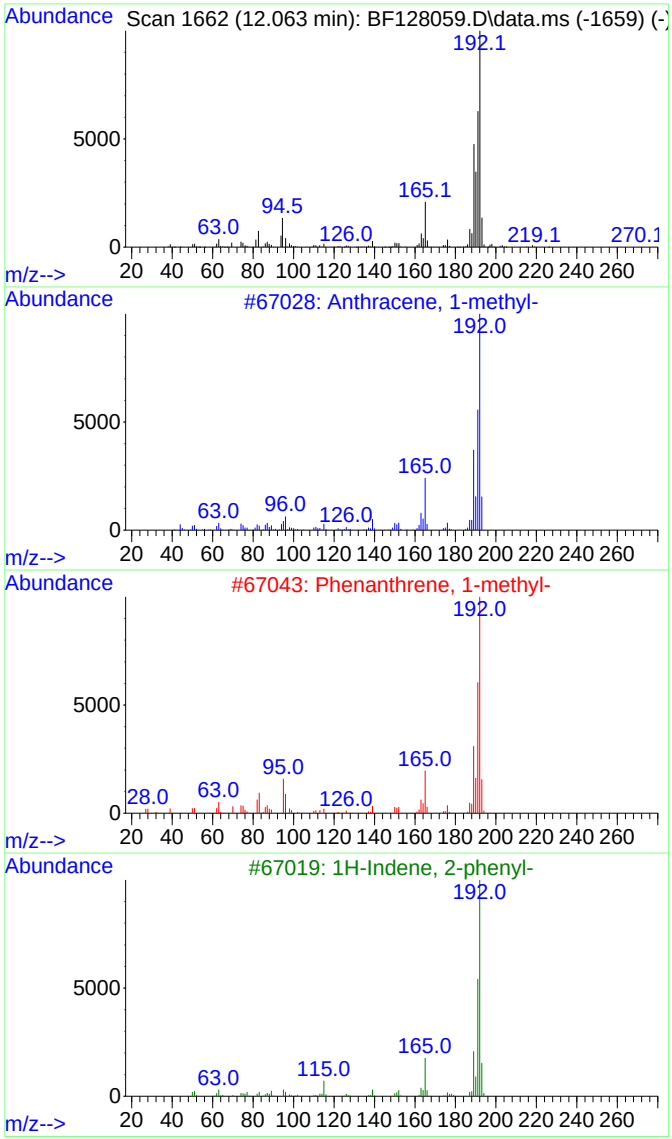
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

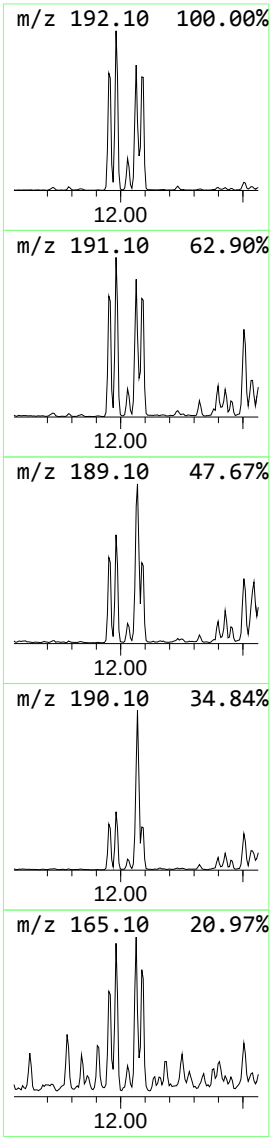
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	29.33 ng	872115	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





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Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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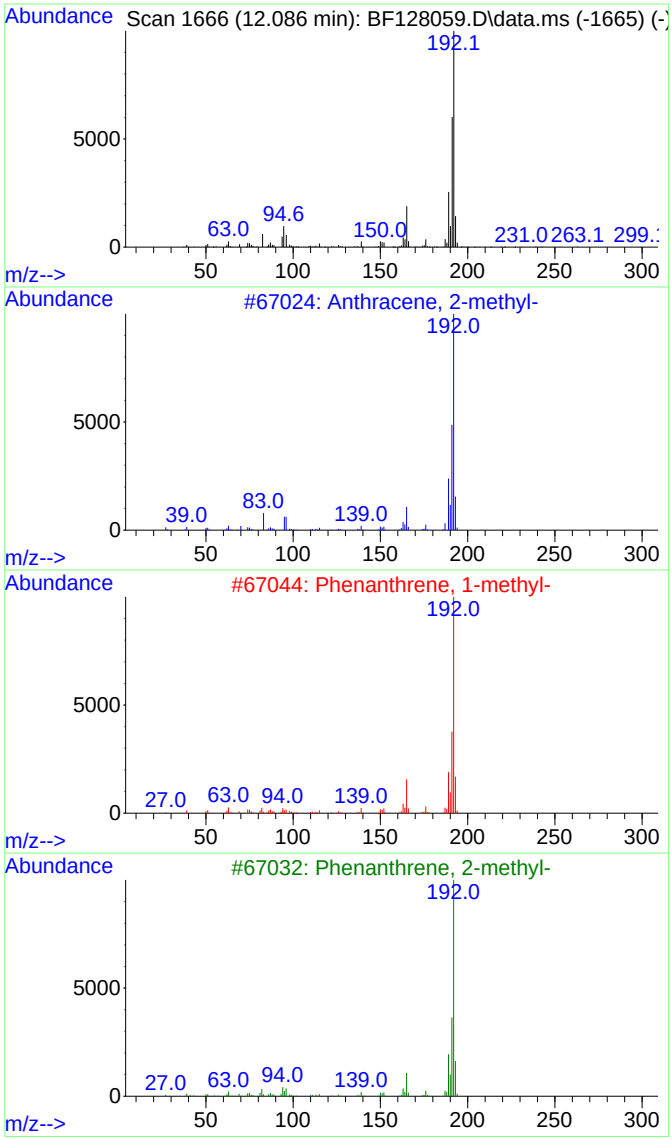
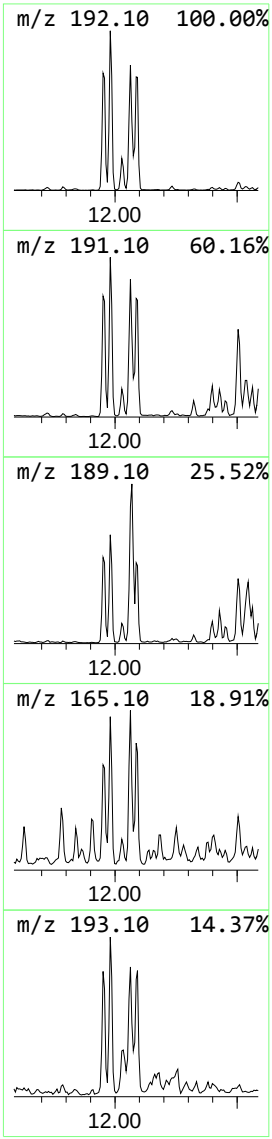
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	15.81 ng	470032	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

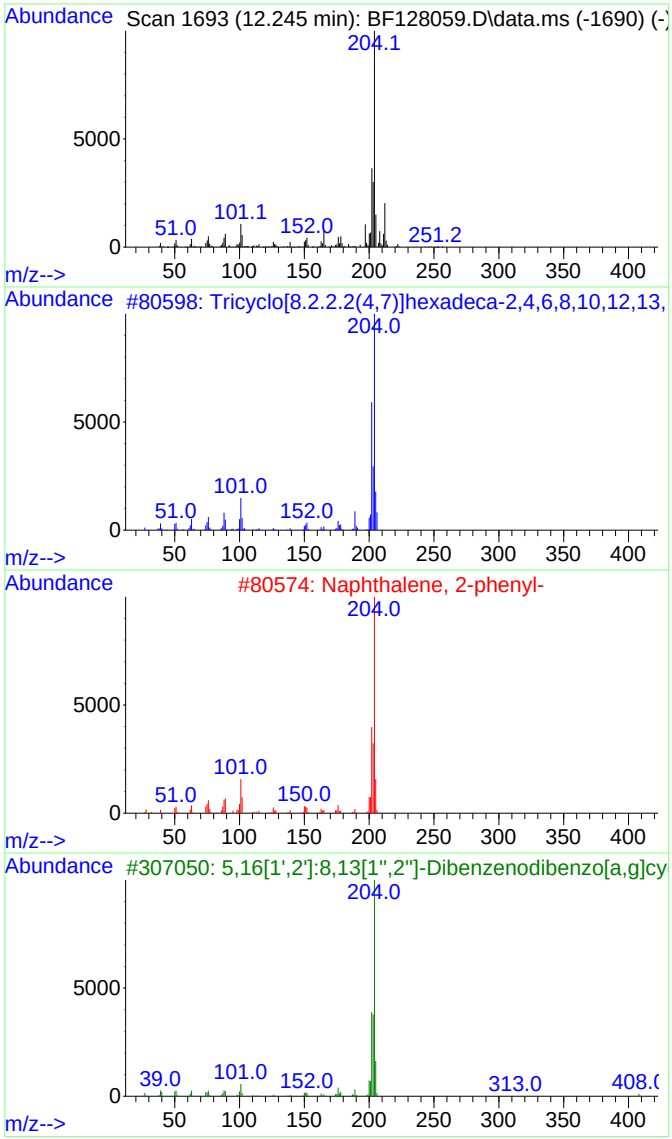
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

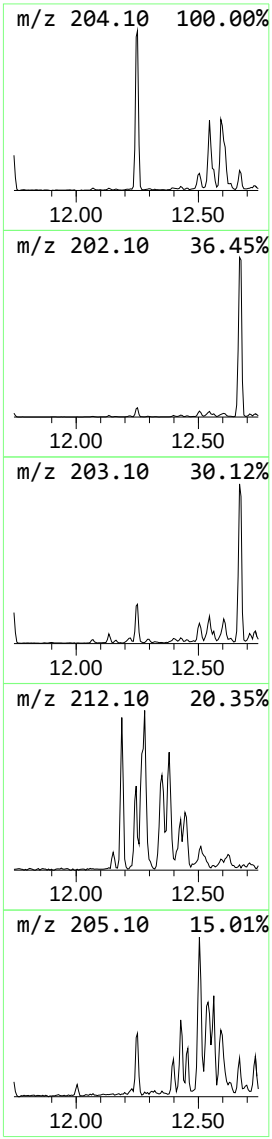
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	9.36 ng	278441	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





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

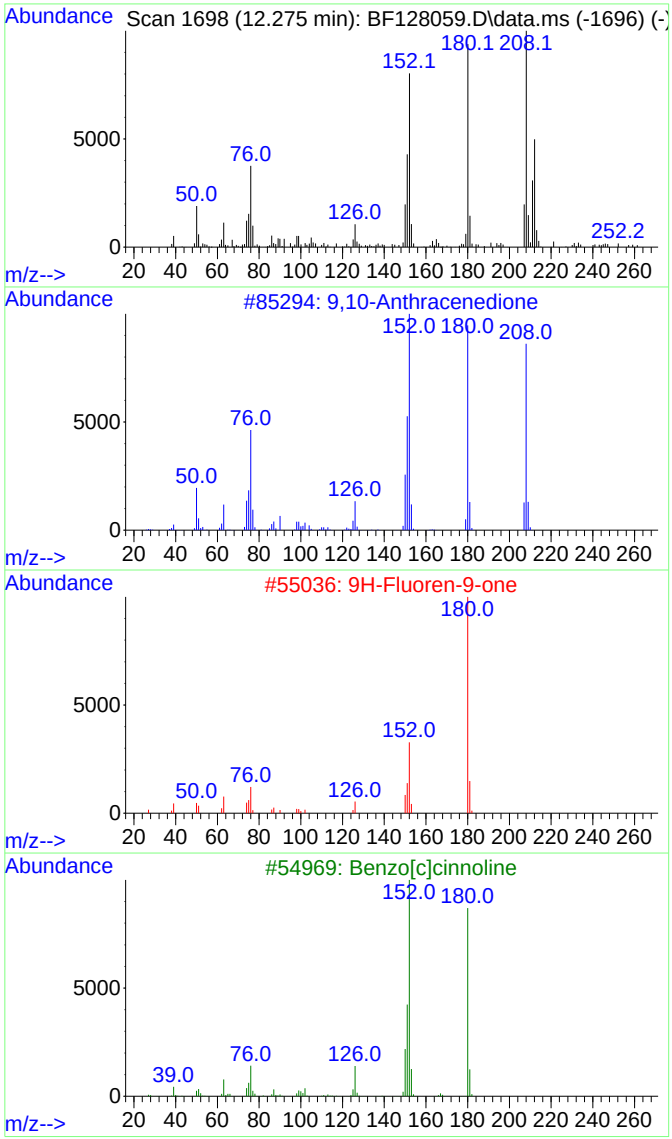
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

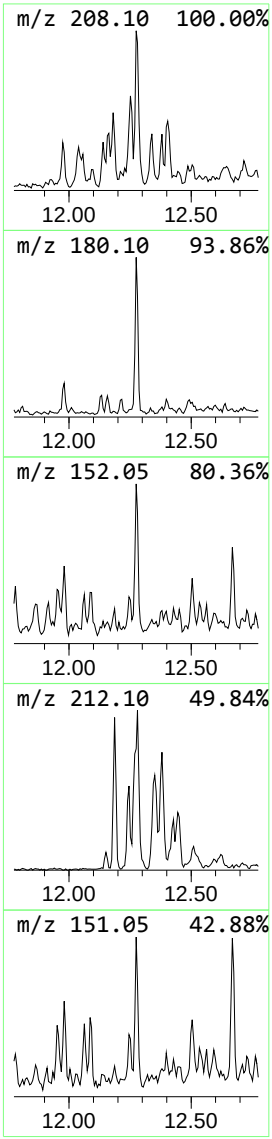
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.275	7.55 ng	224468	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	Acenaphthylene	152	C12H8	000208-96-8	56
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	49





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Operator : CG\JU
Sample : N2655-01
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

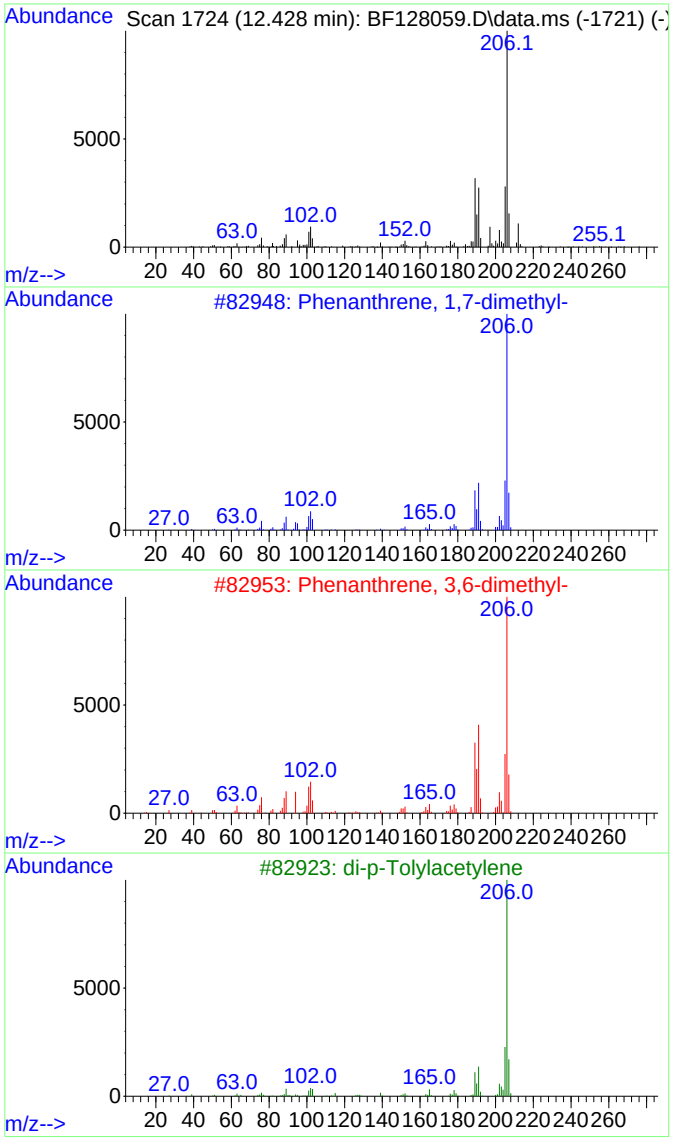
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

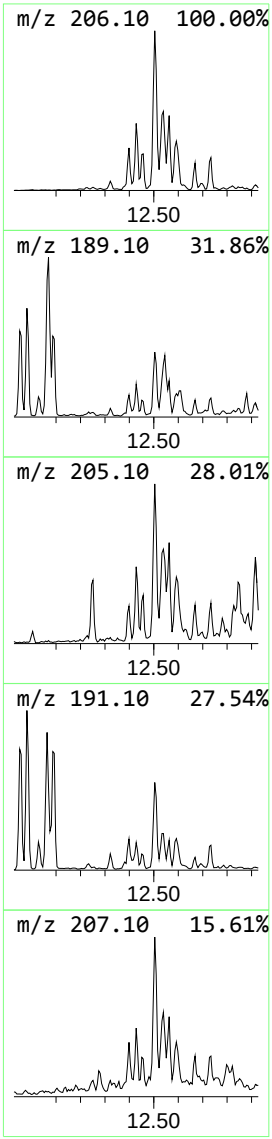
****

Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	6.19 ng	183956	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72





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Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

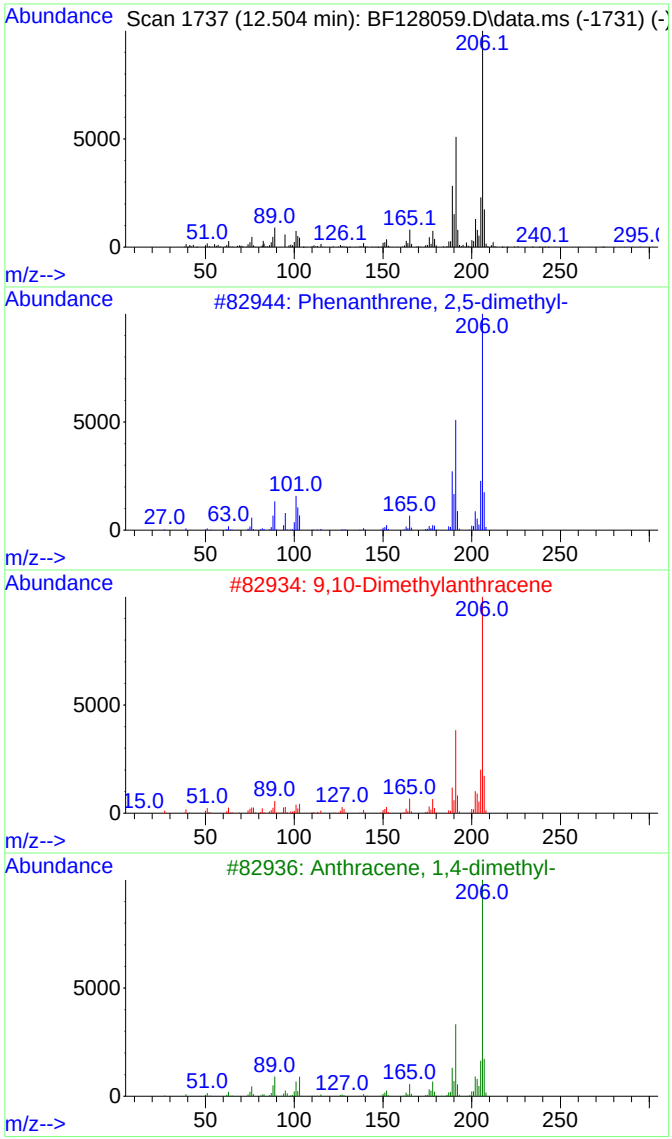
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

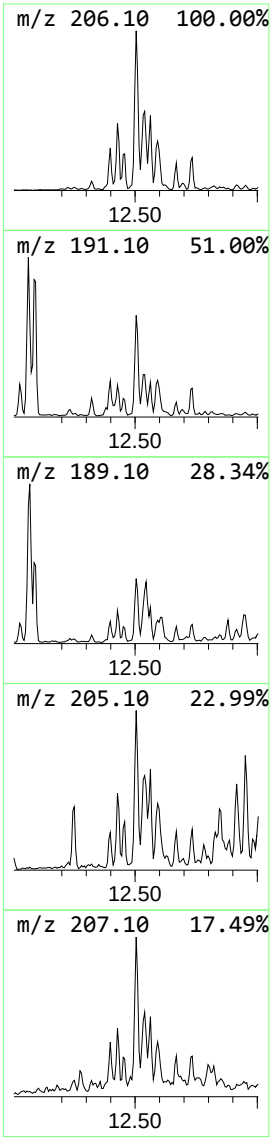
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	24.85 ng	738814	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-050222

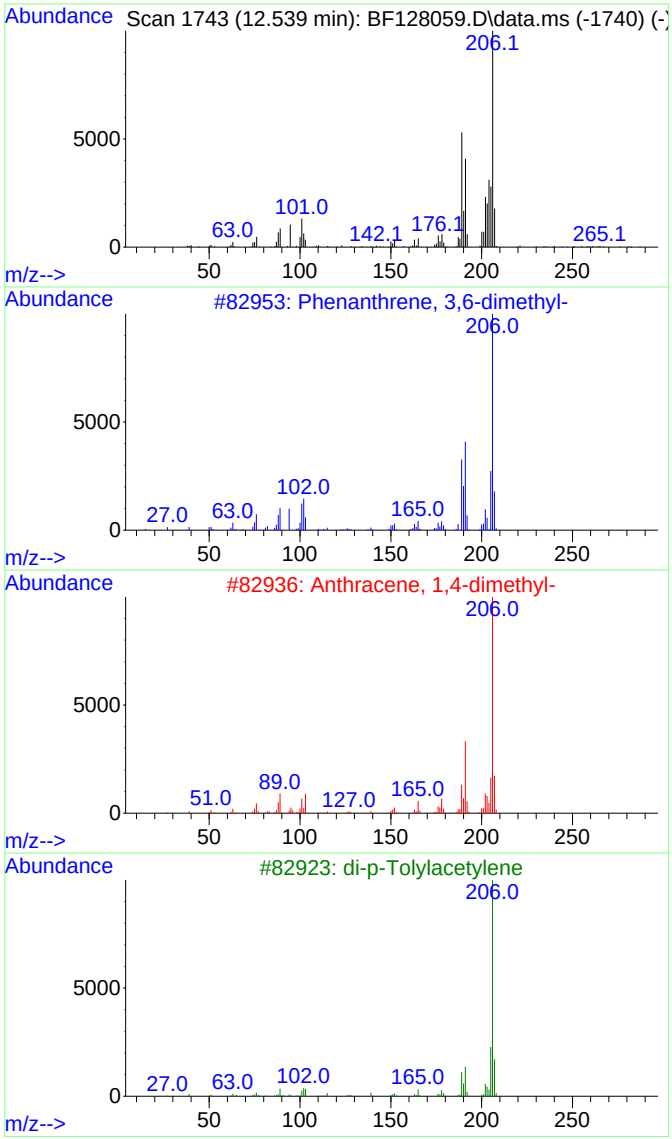
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

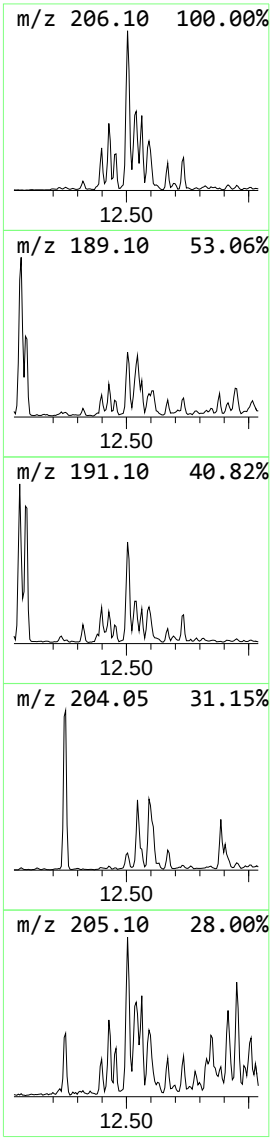
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	12.21 ng	362989	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	64
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	62
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	58





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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-050222

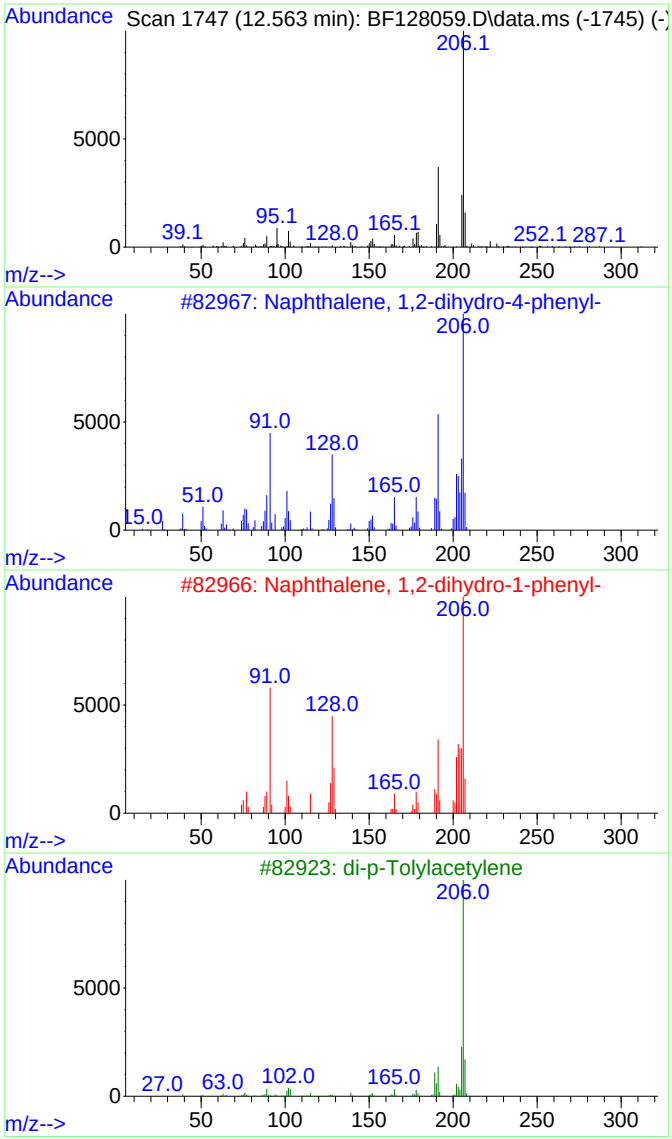
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

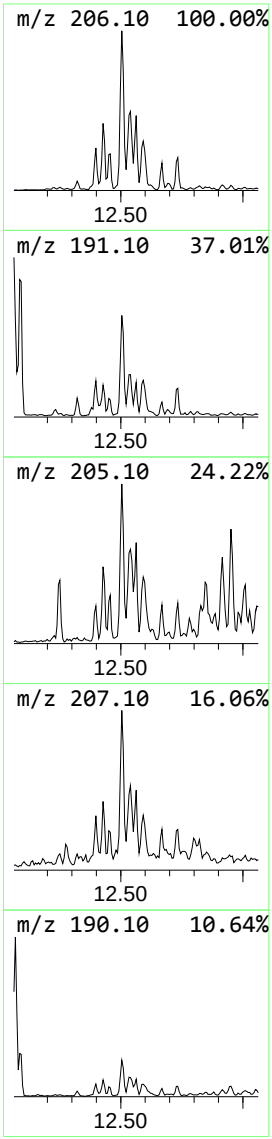
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 1,2-dihydro-4-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	6.42 ng	191012	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	86
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

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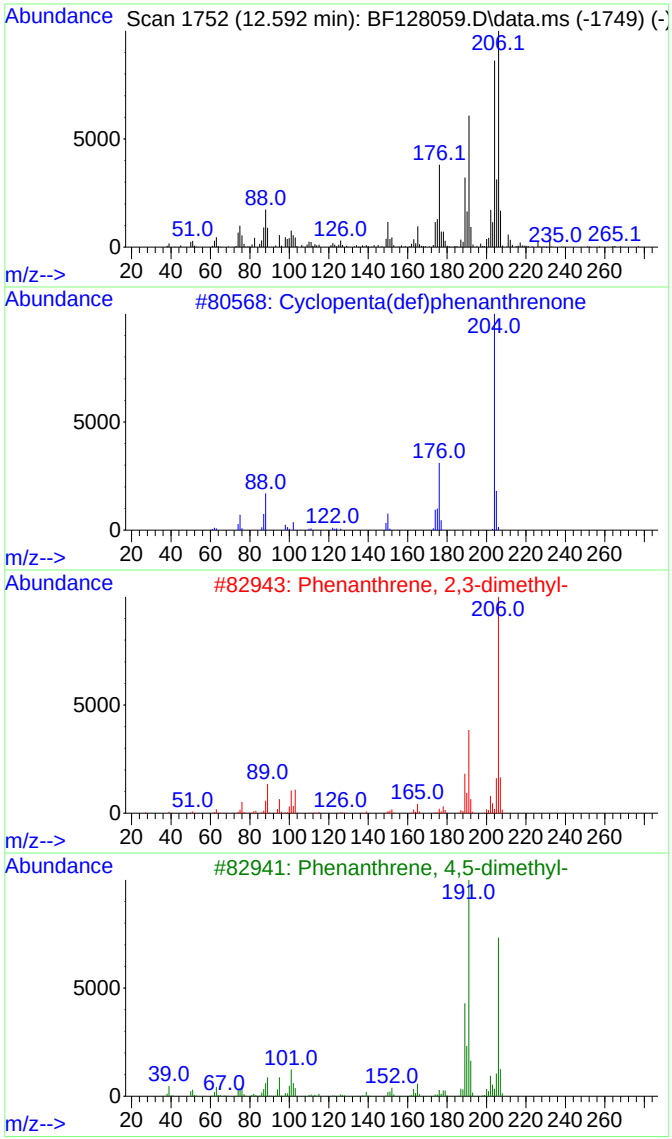
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

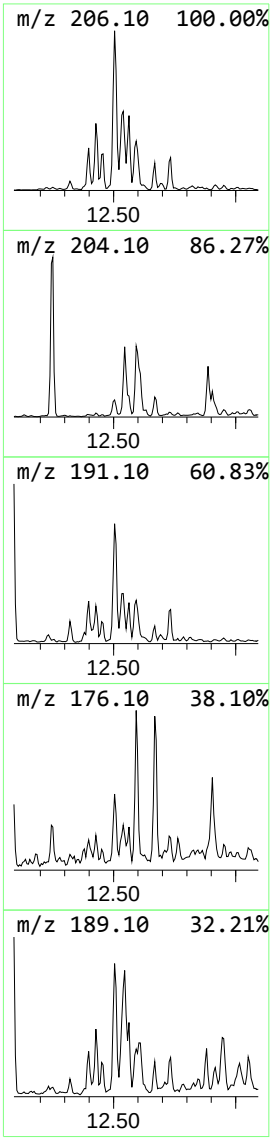
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	13.10 ng	389433	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55





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Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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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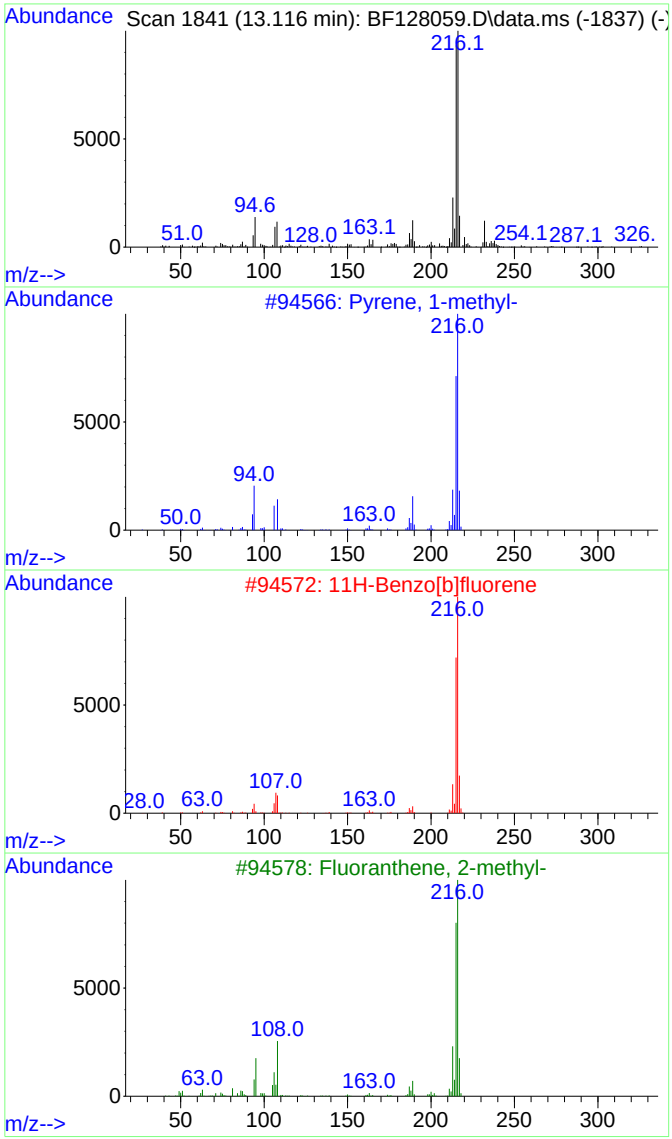
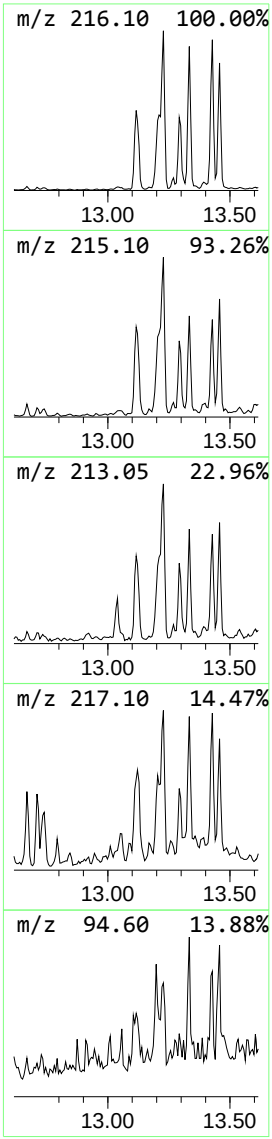
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	8.54 ng	533642	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





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Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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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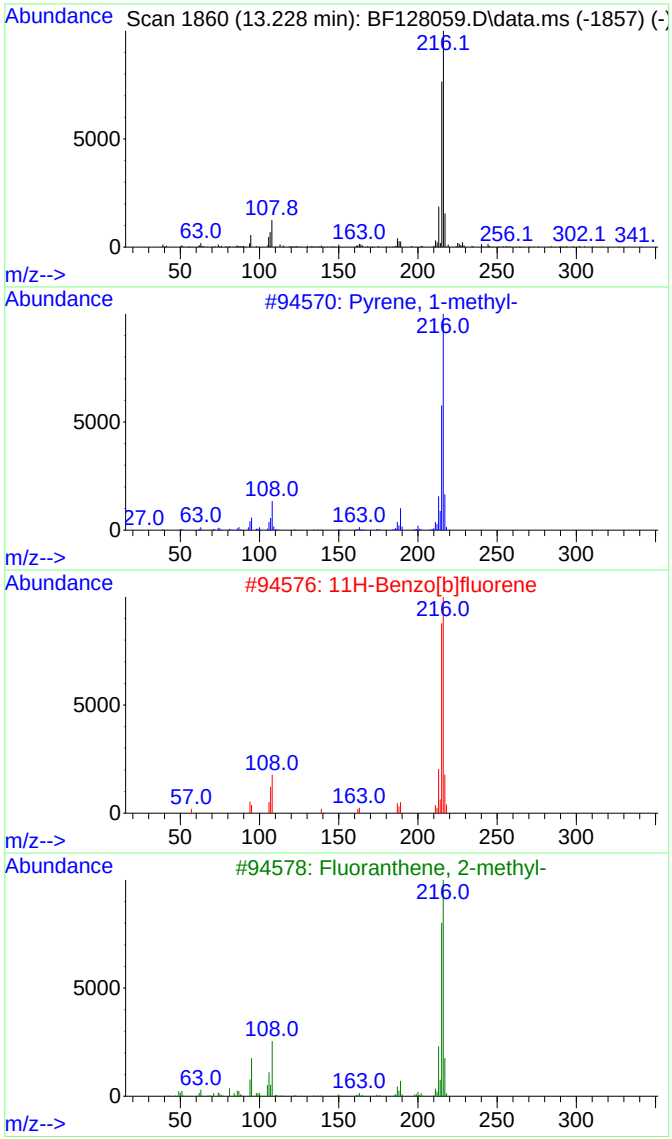
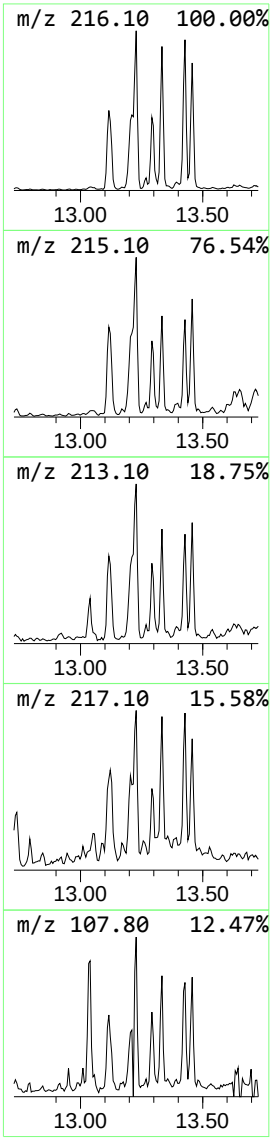
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	6.83 ng	426748	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	78





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Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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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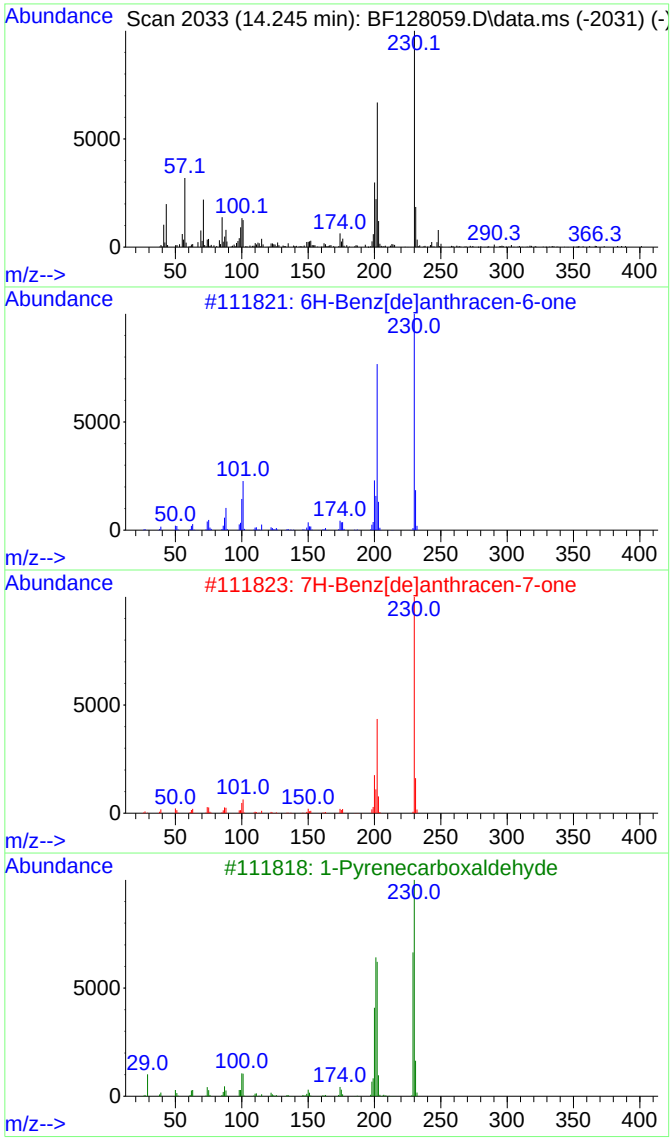
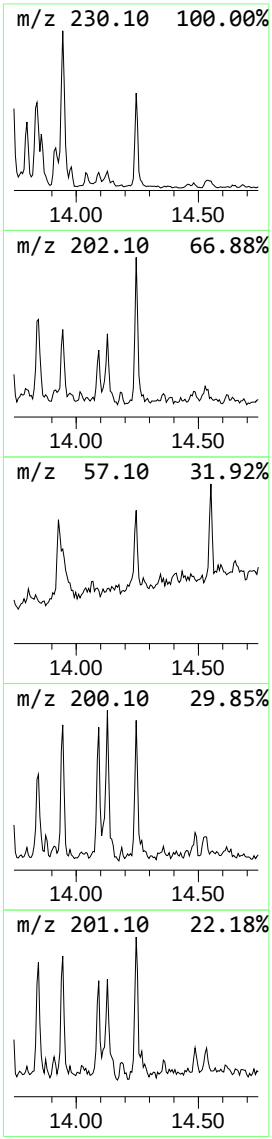
Peak Number 19 6H-Benz[de]anthracen-6-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.245	5.42 ng	339033	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	91
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	72
5	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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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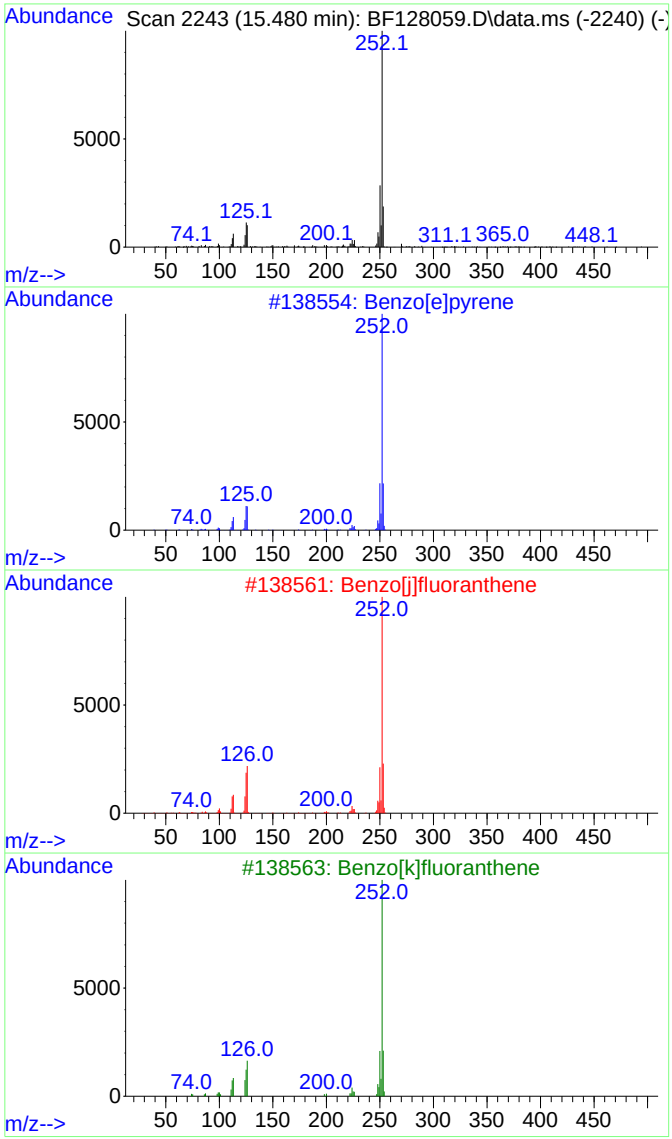
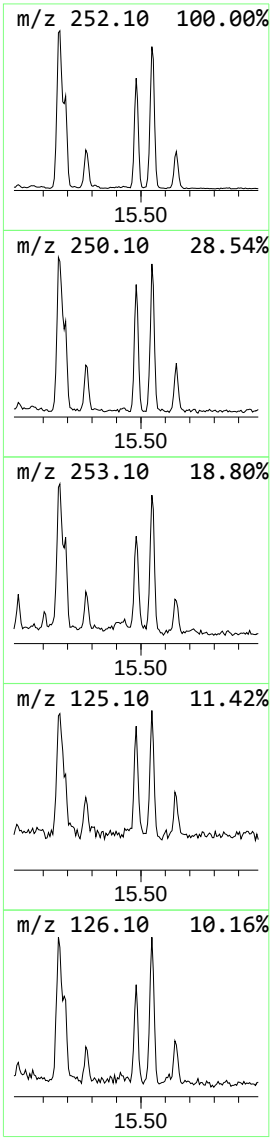
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.480	13.49 ng	237439	Perylene-d12	15.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128059.D
Acq On : 03 May 2022 21:35
Operator : CG\JU
Sample : N2655-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-050222

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,...	9.534	8.2	ng	240571	3	9.957	585736	20.0
Naphthalene, 1,...	9.610	11.1	ng	325796	3	9.957	585736	20.0
Naphthalene, 2,...	10.157	5.7	ng	167124	3	9.957	585736	20.0
Naphthalene, 1,...	10.269	6.0	ng	174886	3	9.957	585736	20.0
9H-Fluorene, 1-...	11.051	7.9	ng	235912	4	11.451	594707	20.0
4-Methylnaphtho...	11.781	7.1	ng	211423	4	11.451	594707	20.0
Anthracene, 1-m...	11.951	21.6	ng	643696	4	11.451	594707	20.0
Phenanthrene, 1...	12.063	29.3	ng	872115	4	11.451	594707	20.0
Anthracene, 2-m...	12.086	15.8	ng	470032	4	11.451	594707	20.0
Tricyclo[8.2.2....	12.245	9.4	ng	278441	4	11.451	594707	20.0
9,10-Anthracene...	12.275	7.5	ng	224468	4	11.451	594707	20.0
Phenanthrene, 1...	12.428	6.2	ng	183956	4	11.451	594707	20.0
Phenanthrene, 2...	12.504	24.9	ng	738814	4	11.451	594707	20.0
Phenanthrene, 3...	12.539	12.2	ng	362989	4	11.451	594707	20.0
Naphthalene, 1,...	12.563	6.4	ng	191012	4	11.451	594707	20.0
Cyclopenta(def)...	12.592	13.1	ng	389433	4	11.451	594707	20.0
Pyrene, 1-methyl-	13.116	8.5	ng	533642	5	14.104	1250220	20.0
11H-Benzo[b]flu...	13.227	6.8	ng	426748	5	14.104	1250220	20.0
6H-Benz[de]anth...	14.245	5.4	ng	339033	5	14.104	1250220	20.0
Benzo[e]pyrene	15.480	13.5	ng	237439	6	15.616	351898	20.0