LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082021\
Data File : BF125141.D
Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-081821

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125141.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	7	12	19	rVB	415595	533448	25.56%	1.419%
2	5.122	513	516	523	rVB	70180	77958	3.74%	0.207%
3	5.522	580	584	588	rBV	1780230	1654800	79.29%	4.403%
4	6.534	751	756	759	rBV	1790931	1619083	77.58%	4.308%
5	6.751	789	793	796	rBV2	61024	61882	2.97%	0.165%
6	6.922	818	822	825	rVB	1110655	965564	46.27%	2.569%
7	7.475	913	916	919	rVV	1254285	1065235	51.04%	2.834%
8	7.510	919	922	926	rVV	88257	82439	3.95%	0.219%
9	8.098	1020	1022	1027	rBV	75098	82472	3.95%	0.219%
10	8.181	1033	1036	1037	rBV	135184	99783	4.78%	0.265%
11	8.204	1037	1040	1042	rVV	1613935	1266421	60.68%	3.369%
12	8.222	1042	1043	1046	rVV	110617	76735	3.68%	0.204%
13	8.622	1108	1111	1113	rBV	68854	59673	2.86%	0.159%
14	8.786	1137	1139	1143	rBV	139858	120227	5.76%	0.320%
15	8.916	1158	1161	1163	rVB	126541	99288	4.76%	0.264%
16	9.016	1174	1178	1181	rVB	122219	113139	5.42%	0.301%
17	9.222	1210	1213	1218	rVB	70881	61625	2.95%	0.164%
18	9.275	1218	1222	1225	rBV	2435492	1909599	91.50%	5.081%
19	9.357	1232	1236	1238	rBV	152131	148300	7.11%	0.395%
20	9.545	1264	1268	1271	rBV	84323	107312	5.14%	0.286%
21	9.616	1276	1280	1282	rBV	136146	123561	5.92%	0.329%
22	9.639	1282	1284	1286	rVB	84591	60689	2.91%	0.161%
23	9.675	1286	1290	1293	rBV3	116578	134363	6.44%	0.357%
24	9.733	1297	1300	1302	rBV	84583	78815	3.78%	0.210%
25	9.816	1311	1314	1318	rBV	262841	233335	11.18%	0.621%
26	9.886	1321	1326	1328	rVB	89985	100717	4.83%	0.268%
27	9.957	1335	1338	1341	rVB	1606946	1301292	62.35%	3.462%
28	9.992	1341	1344	1347	rVB	188516	154203	7.39%	0.410%
29	10.157	1368	1372	1376	rVB2	140068	153777	7.37%	0.409%
30	10.198	1376	1379	1382	rBV2	76283	59576	2.85%	0.159%
31	10.275	1388	1392	1394	rBV3	71653	88231	4.23%	0.235%
32	10.363	1403	1407	1409	rBV3	57521	77884	3.73%	0.207%
33	10.380	1409	1410	1413	rVB	92329	67592	3.24%	0.180%
34	10.504	1428	1431	1437	rBV	258904	250012	11.98%	0.665%
35	10.663	1455	1458	1461	rVB2	62288	61137	2.93%	0.163%
36	10.739	1466	1471	1476	rBV	1150627	1098702	52.65%	2.923%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082021\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-081821

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.869	1488	1493	1496	rBV2	140102	188106	9.01%	0.500%
38	11.051	1519	1524	1527	rBV2	98834	119783	5.74%	0.319%
39	11.080	1527	1529	1532	rVV2	67549	68249	3.27%	0.182%
40	11.180	1541	1546	1548	rVV3	58246	72135	3.46%	0.192%
41	11.204	1548	1550	1555	rVV	65083	80027	3.83%	0.213%
42	11.251	1555	1558	1561	rVV3	58312	66812	3.20%	0.178%
43	11.304	1562	1567	1569	rVV2	89530	123949	5.94%	0.330%
44	11.339	1570	1573	1579	rVB2	174734	168747	8.09%	0.449%
45	11.445	1588	1591	1593	rBV	1444943	1200472	57.52%	3.194%
46	11.469	1593	1595	1598	rVV	1401335	1100311	52.72%	2.927%
47	11.522	1601	1604	1606	rVV	403756	315910	15.14%	0.840%
48	11.551	1606	1609	1612	rVB2	66927	71360	3.42%	0.190%
49	11.669	1626	1629	1632	rBV	74706	86998	4.17%	0.231%
50	11.739	1638	1641	1644	rVV2	63333	66405	3.18%	0.177%
51	11.774	1644	1647	1652	rVB	100459	96086	4.60%	0.256%
52	11.945	1673	1676	1678	rVV	249347	278908	13.36%	0.742%
53	11.974	1678	1681	1685	rVV2	401212	450329	21.58%	1.198%
54	12.022	1686	1689	1692	rVV	145075	134115	6.43%	0.357%
55	12.057	1692	1695	1698	rVV2	402731	485572	23.27%	1.292%
56	12.080	1698	1699	1702	rVB	212191	138891	6.66%	0.370%
57	12.145	1707	1710	1713	rVV3	56373	70353	3.37%	0.187%
58	12.239	1724	1726	1728	rBV2	170918	143747	6.89%	0.382%
59	12.263	1728	1730	1734	rVB2	130427	133941	6.42%	0.356%
60	12.421	1754	1757	1759	rVV	108362	86837	4.16%	0.231%
61	12.445	1759	1761	1763	rVB2	90665	70694	3.39%	0.188%
62	12.498	1766	1770	1773	rBV	251508	279844	13.41%	0.745%
63	12.533	1773	1776	1778	rVV3	167025	188114	9.01%	0.500%
64	12.580	1782	1784	1789	rBV2	161193	186024	8.91%	0.495%
65	12.663	1794	1798	1801	rBV	2132344	1879641	90.07%	5.001%
66	12.751	1810	1813	1816	rBV2	198341	173306	8.30%	0.461%
67	12.810	1821	1823	1826	rBV	108360	101521	4.86%	0.270%
68	12.892	1831	1837	1842	rBV	1965703	2086911	100.00%	5.552%
69	12.945	1842	1846	1849	rVB2	108107	150538	7.21%	0.401%
70	13.004	1853	1856	1857	rBV3	109839	89409	4.28%	0.238%
71	13.033	1857	1861	1867	rVB	1661142	1722081	82.52%	4.582%
72	13.104	1869	1873	1877	rBV2	206189	318475	15.26%	0.847%
73	13.192	1885	1888	1889	rBV2	155671	153580	7.36%	0.409%
74	13.216	1889	1892	1895	rVB	388051	372826	17.86%	0.992%
75	13.257	1897	1899	1901	rBV3	65931	64618	3.10%	0.172%
76	13.280	1901	1903	1906	rVB	201919	169694	8.13%	0.451%

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Integration Parameters: rteint.p
Integrator: RTE
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77	13.321	1906	1910	1913	rBV2	301263	299572	14.35%	0.797%
78	13.416	1923	1926	1928	rVB	181009	153101	7.34%	0.407%
79	13.445	1928	1931	1934	rVV	205202	192041	9.20%	0.511%
80	13.474	1934	1936	1941	rVB5	67891	74497	3.57%	0.198%
81	13.621	1954	1961	1962	rBV5	90259	192229	9.21%	0.511%
82	13.721	1976	1978	1983	rVB	187112	190246	9.12%	0.506%
83	13.839	1993	1998	2000	rBV2	242760	292340	14.01%	0.778%
84	13.863	2000	2002	2004	rVV	166033	152262	7.30%	0.405%
85	13.886	2004	2006	2010	rVV2	149647	203962	9.77%	0.543%
86	13.927	2011	2013	2017	rVB	186022	191630	9.18%	0.510%
87	14.086	2035	2040	2043	rBV2	1376317	2054632	98.45%	5.466%
88	14.115	2043	2045	2051	rVB	1039462	882881	42.31%	2.349%
89	14.192	2056	2058	2061	rVB	120419	78694	3.77%	0.209%
90	14.227	2062	2064	2065	rBV	80310	65315	3.13%	0.174%
91	14.474	2104	2106	2109	rVB	271107	209742	10.05%	0.558%
92	14.510	2109	2112	2115	rVB	169340	135762	6.51%	0.361%
93	14.604	2125	2128	2129	rBV	156061	151180	7.24%	0.402%
94	15.151	2216	2221	2224	rBV	705157	1179866	56.54%	3.139%
95	15.257	2237	2239	2243	rVB	160251	156913	7.52%	0.417%
96	15.462	2271	2274	2280	rVB	400403	509731	24.43%	1.356%
97	15.527	2281	2285	2291	rBV	548640	739431	35.43%	1.967%
98	15.592	2292	2296	2299	rBV	532793	699045	33.50%	1.860%
99	17.098	2548	2552	2561	rVB2	211373	449993	21.56%	1.197%
100	17.562	2627	2631	2643	rVB	163120	327264	15.68%	0.871%

Sum of corrected areas: 37586517

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Instrument :
BNA_F
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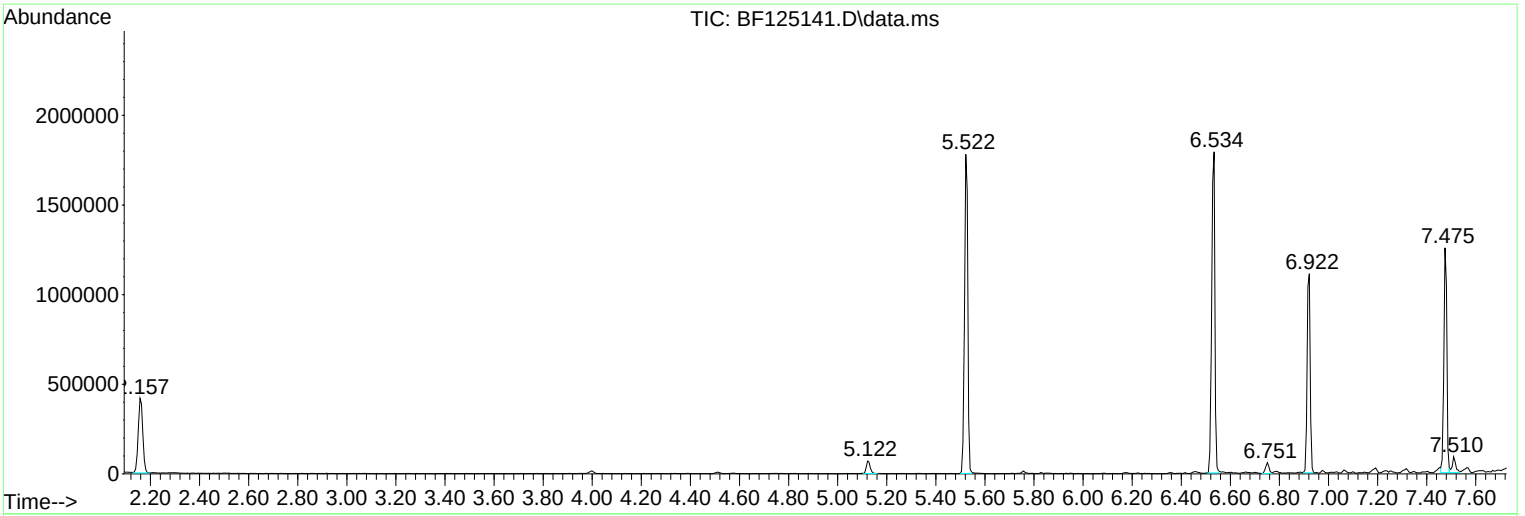
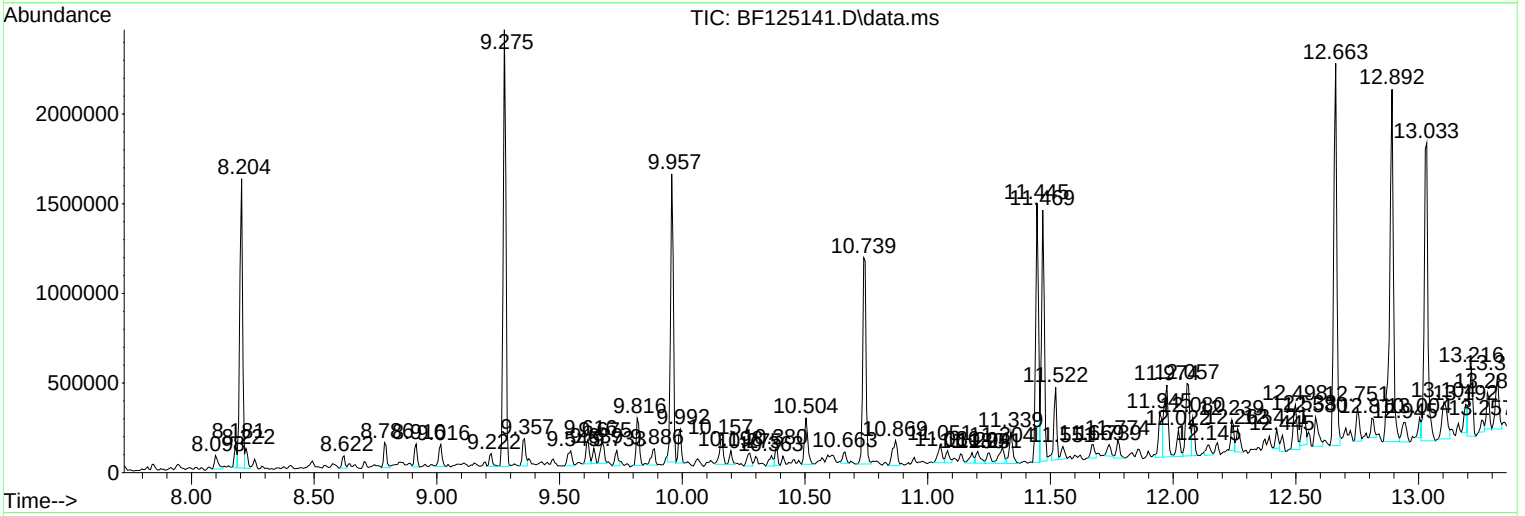
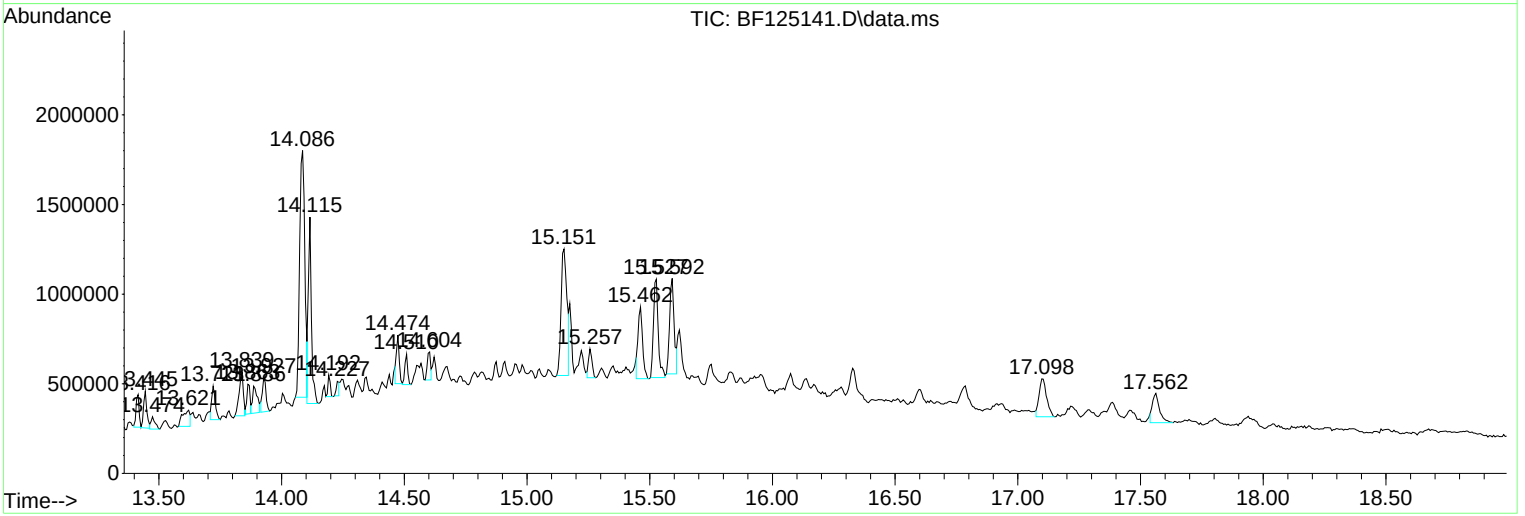
OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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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Data File : BF125141.D
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Instrument :
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ClientSampleId :
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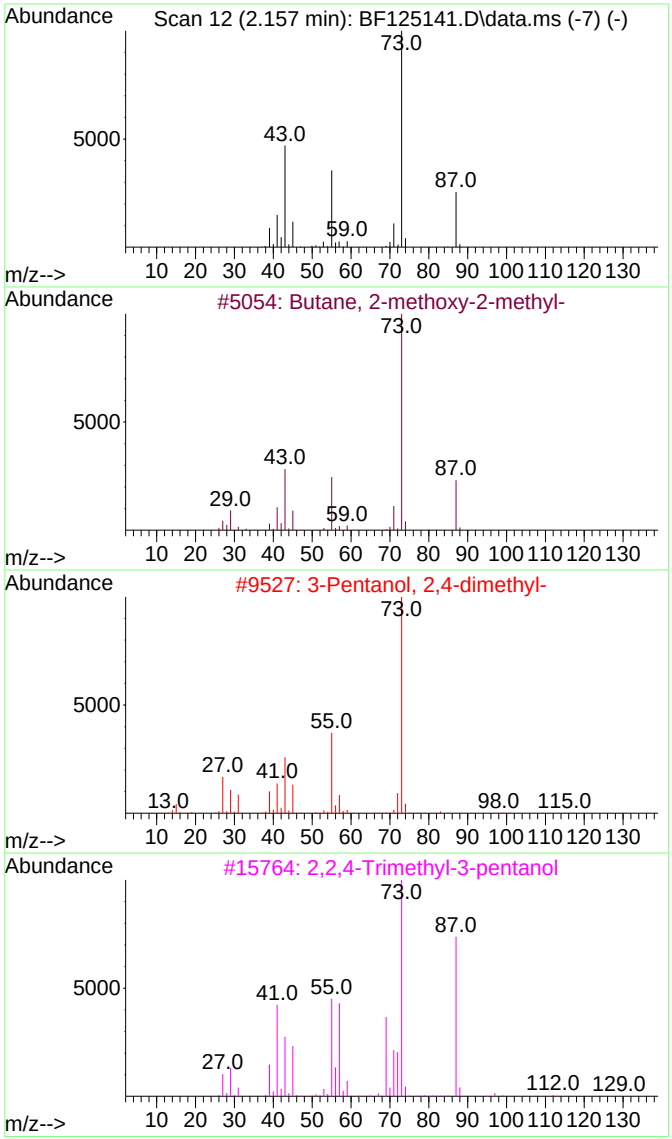
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

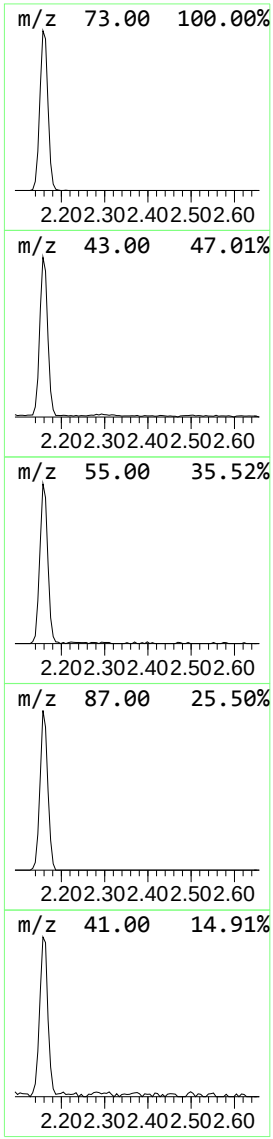
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	11.05 ng	533448	1,4-Dichlorobenzene-d4	6.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





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Instrument :
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ClientSampleId :
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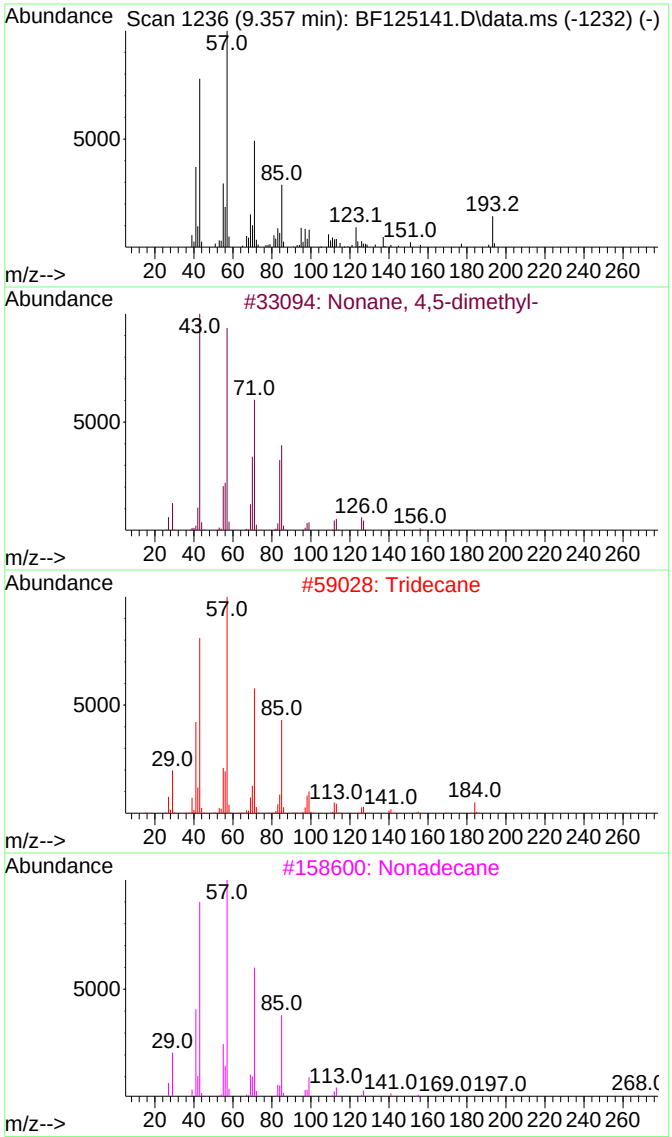
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

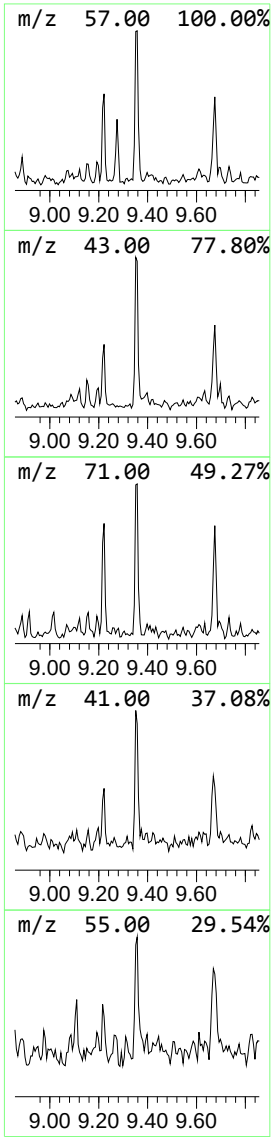
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Nonane, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.357	2.28 ng	148300	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	70
2	Tridecane	184	C13H28	000629-50-5	52
3	Nonadecane	268	C19H40	000629-92-5	52
4	Heneicosane	296	C21H44	000629-94-7	52
5	Hexadecane	226	C16H34	000544-76-3	52





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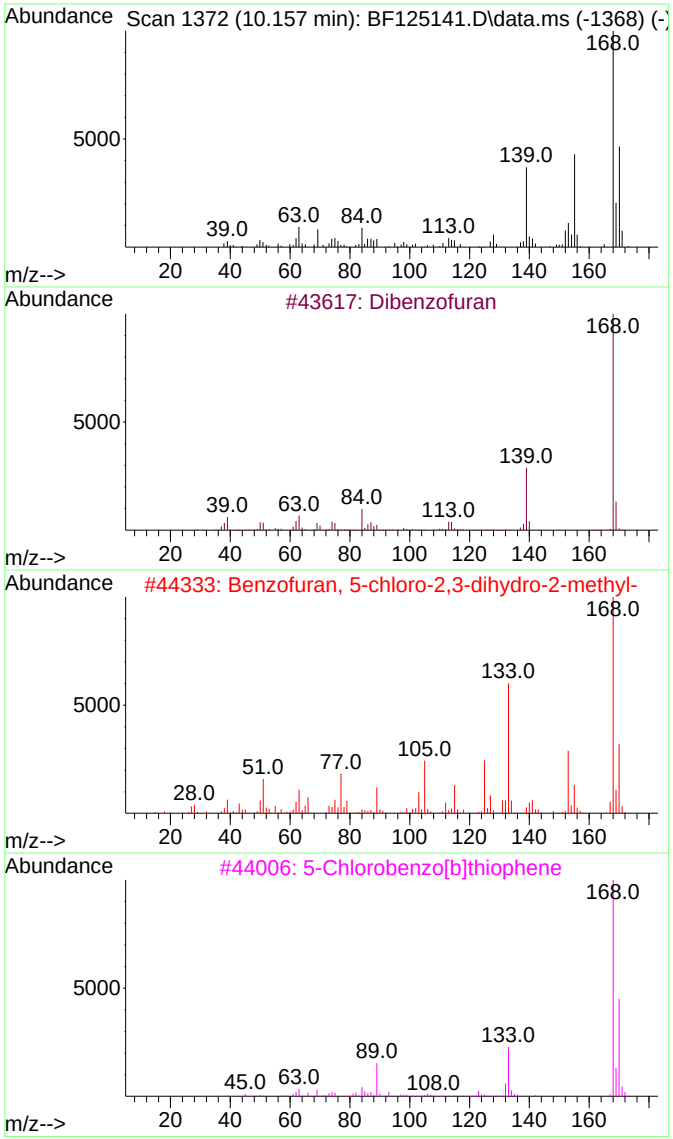
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

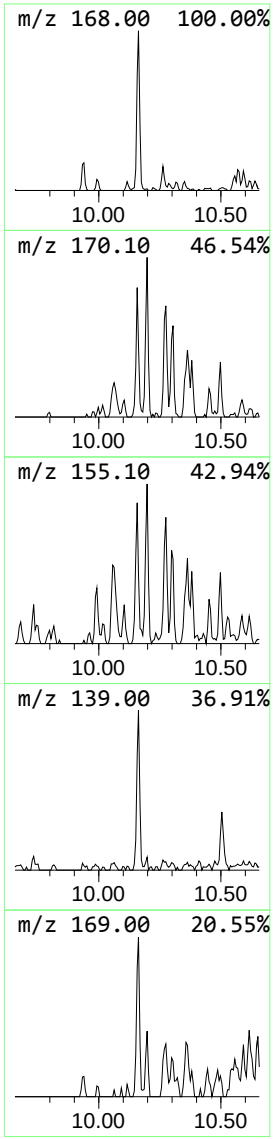
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzofuran, 5-chloro-2,3-di... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.157	2.36 ng	153777	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	83
2	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	50
3	5-Chlorobenzo[b]thiophene	168	C8H5ClS	020532-33-6	43
4	6-Chloro-1,3-benzoxazol-2-amine	168	C7H5ClN2O	052112-68-2	43
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38





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Instrument :
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ClientSampleId :
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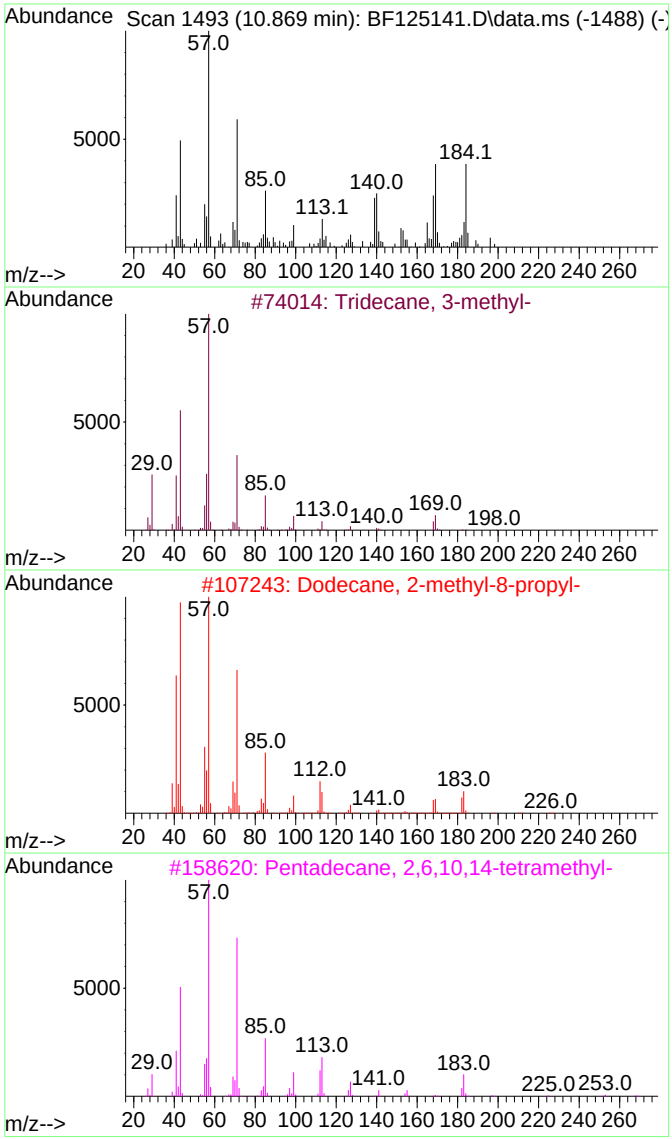
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

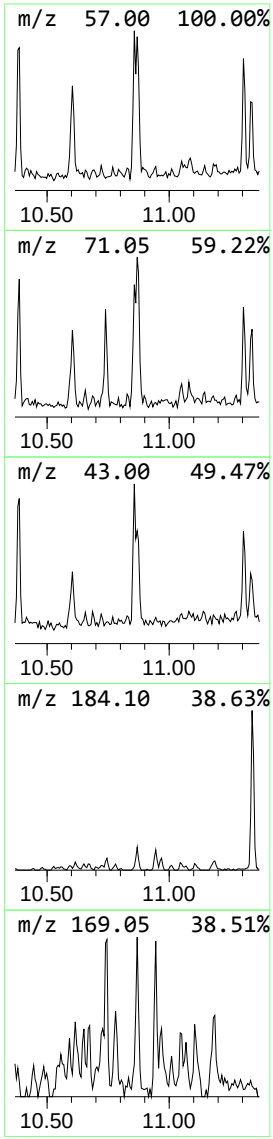
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown10.869 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.869	3.13 ng	188106	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	38
2	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	22
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	20
4	Dodecane	170	C12H26	000112-40-3	18
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	18





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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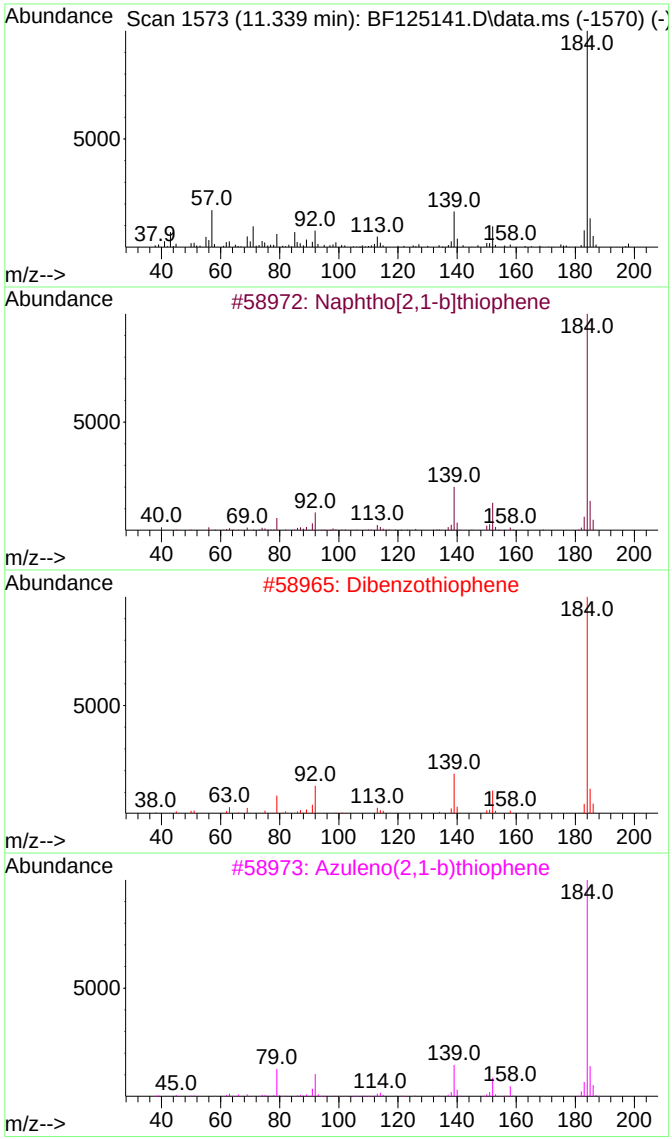
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

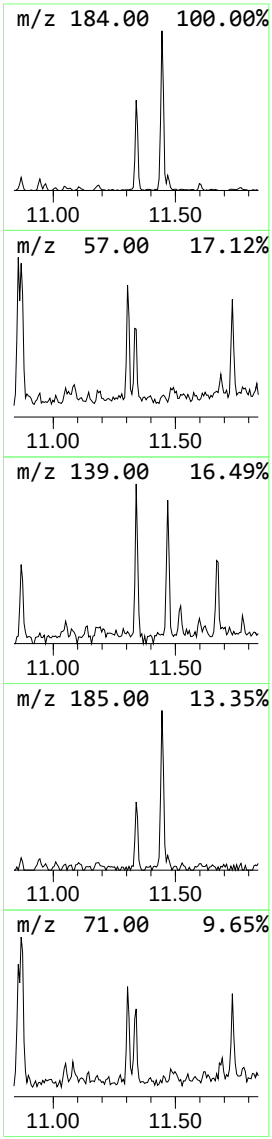
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.339	2.81 ng	168747	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-081821

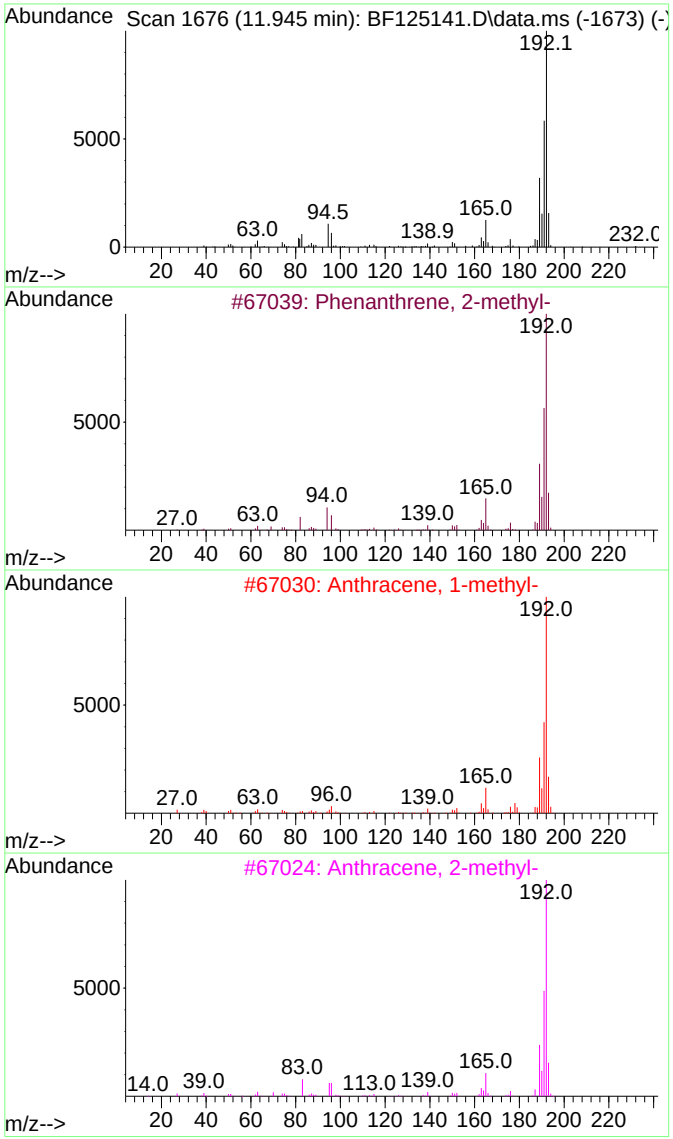
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

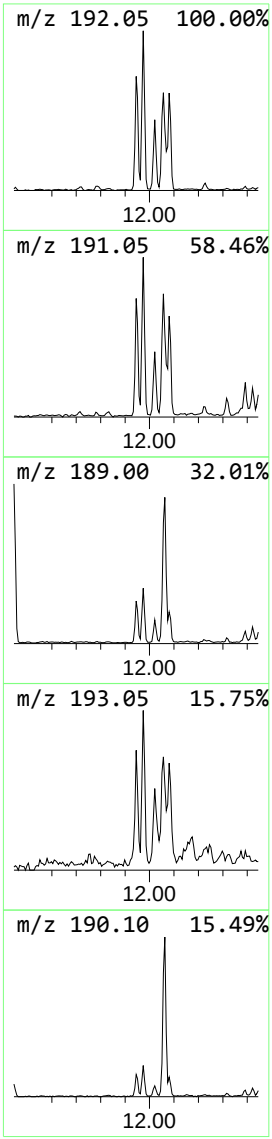
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	4.65 ng	278908	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

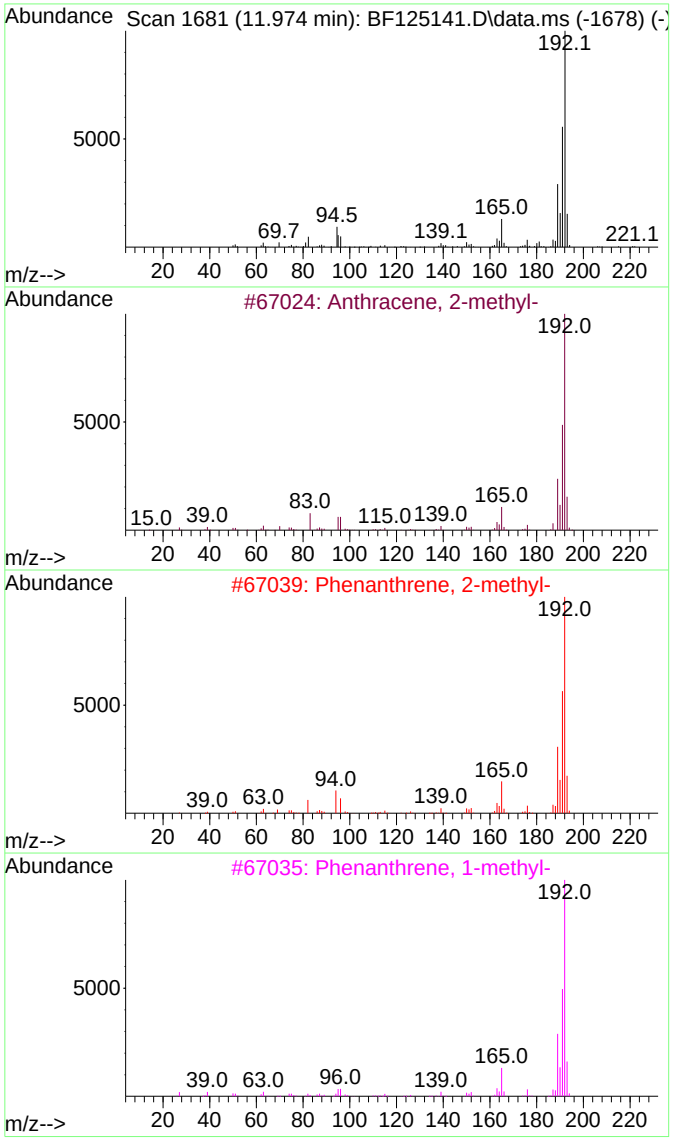
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

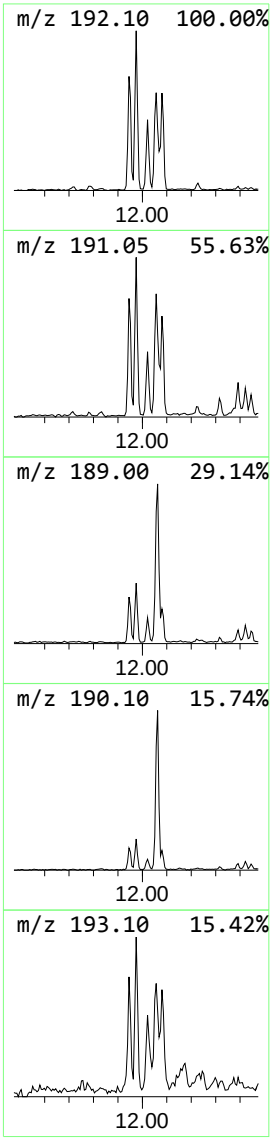
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	7.50 ng	450329	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-081821

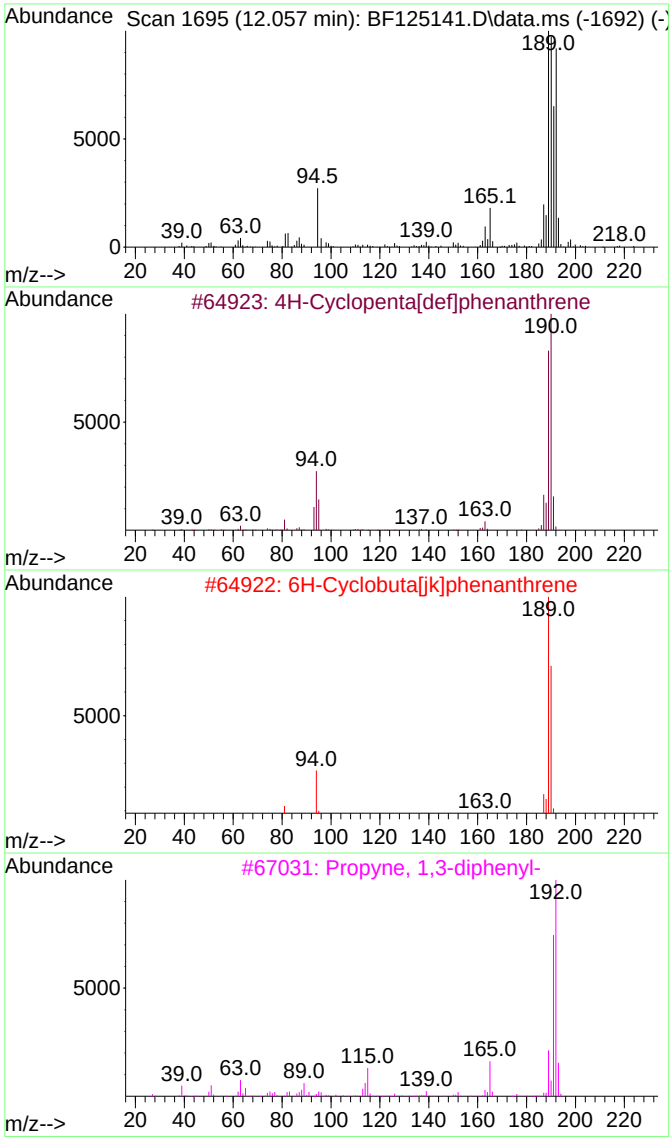
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

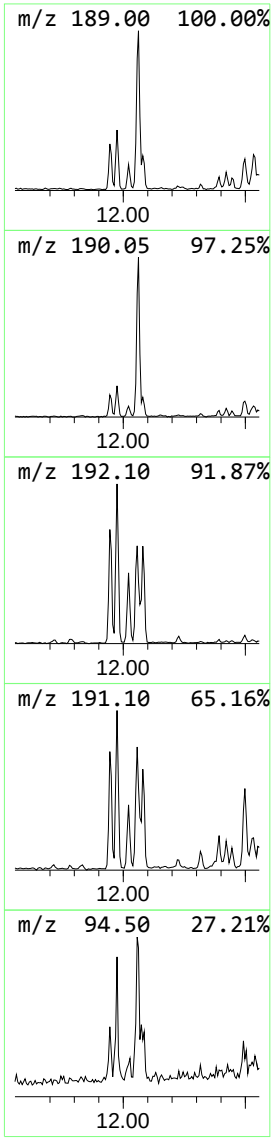
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	8.09 ng	485572	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-081821

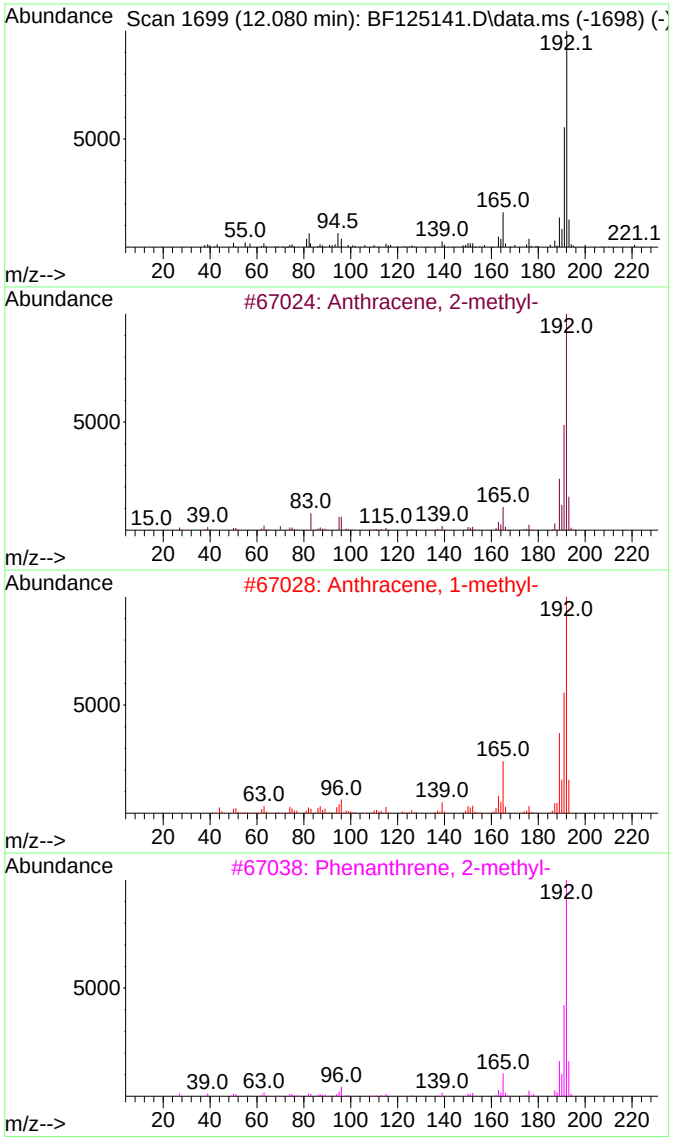
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

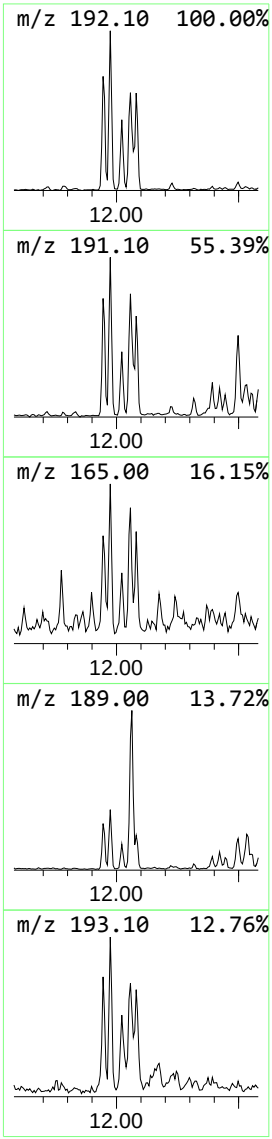
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	2.31 ng	138891	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-081821

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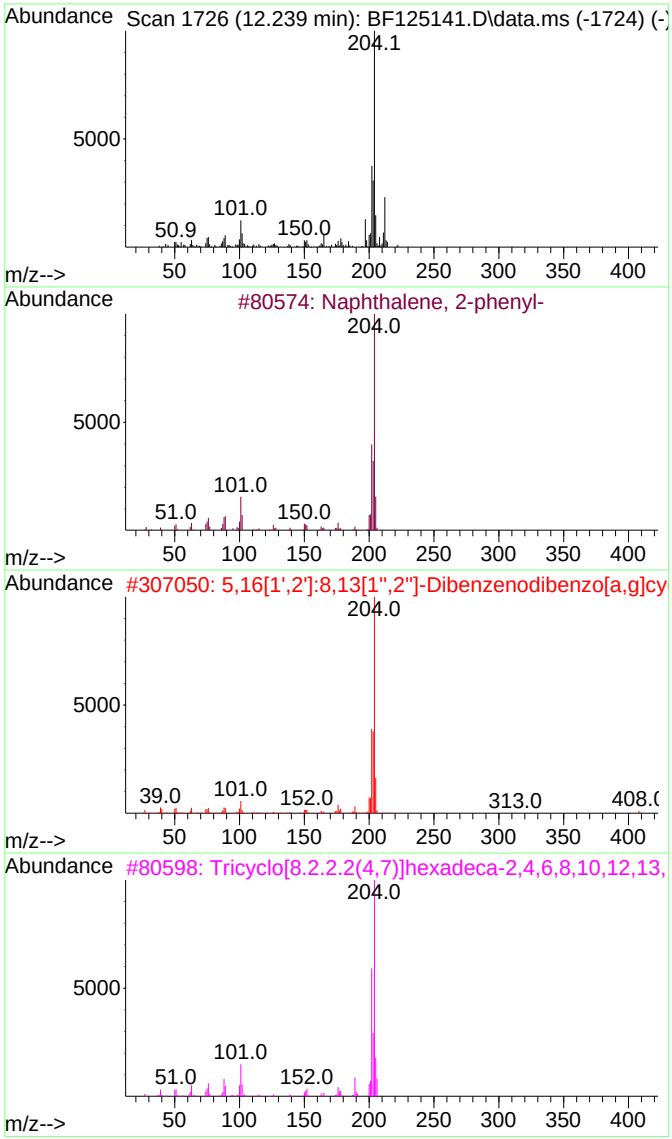
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

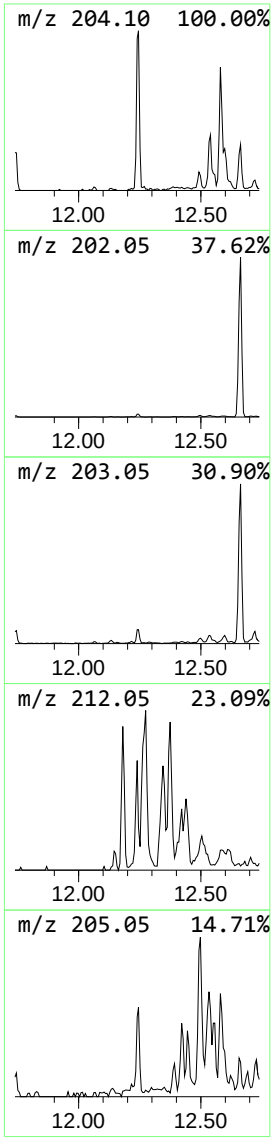
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.239	2.39 ng	143747	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49





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Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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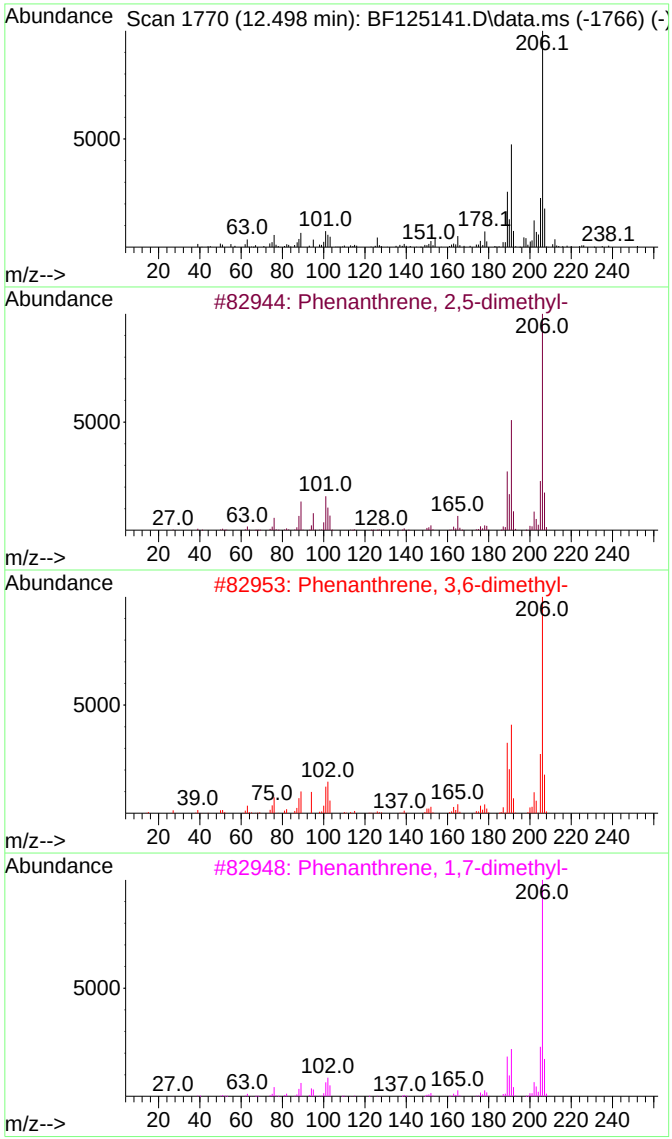
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

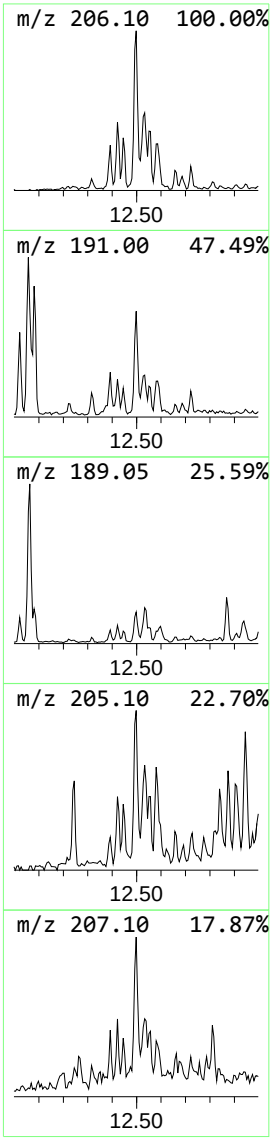
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	4.66 ng	279844	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

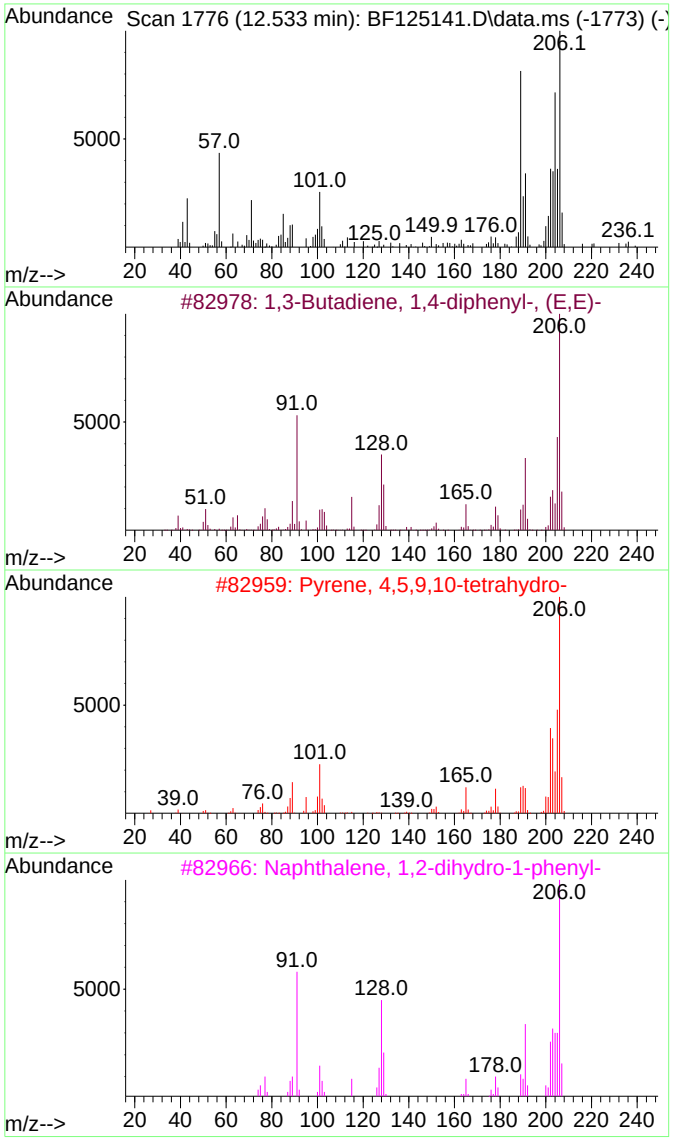
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

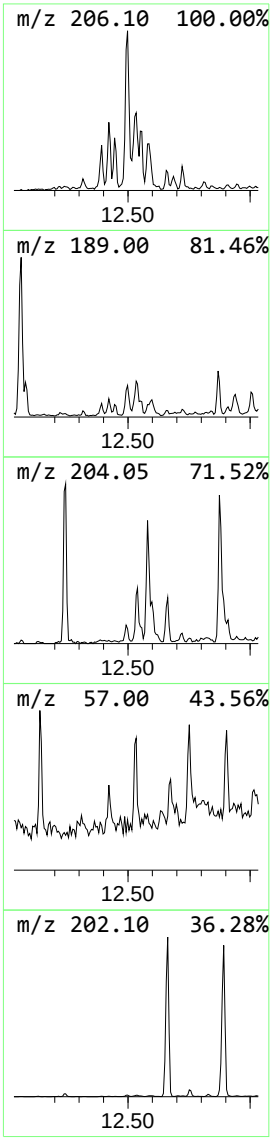
****

Peak Number 12 unknown12.533 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	3.13 ng	188114	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	46
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	41
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38





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Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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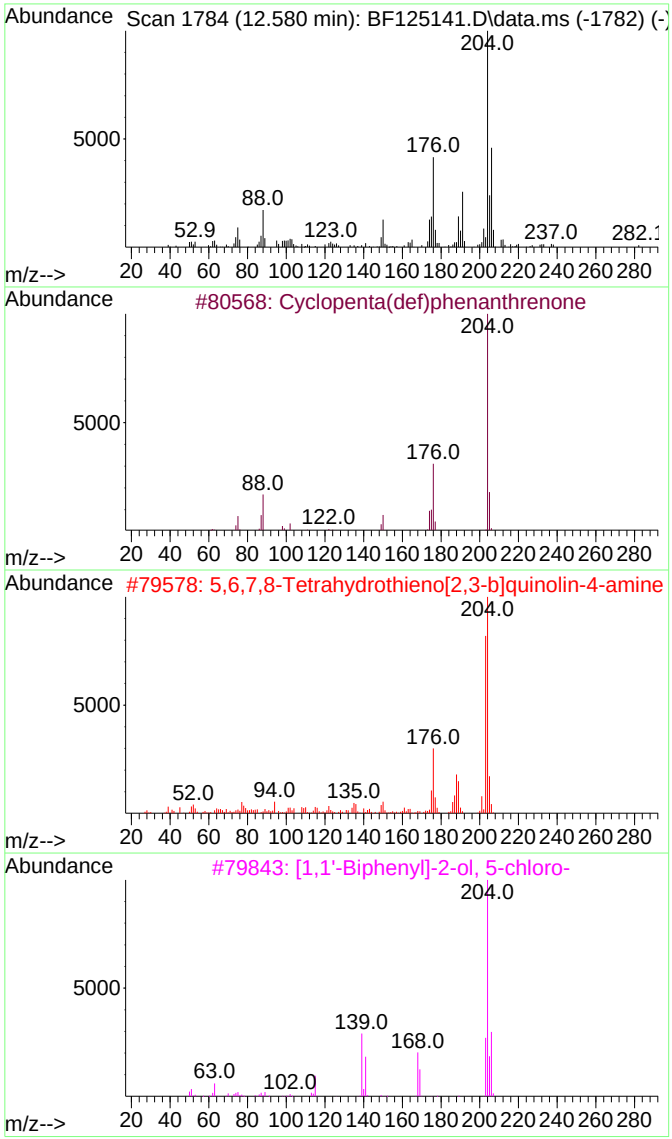
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

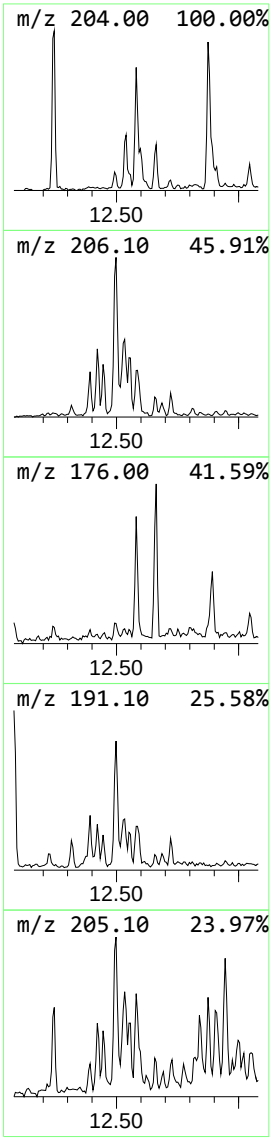
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	3.10 ng	186024	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
4	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-081821

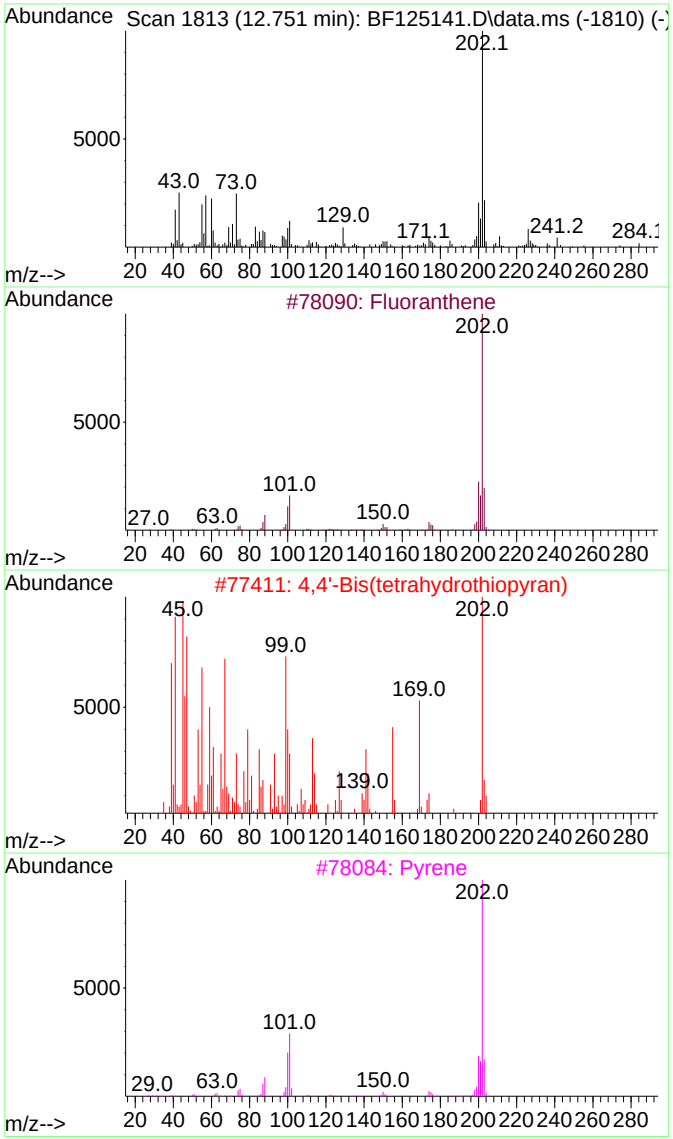
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

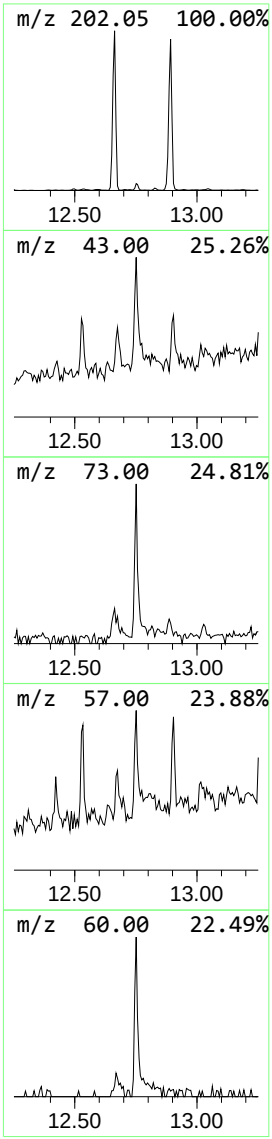
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.751	2.89 ng	173306	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	92
2	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	86
3	Pyrene	202	C16H10	000129-00-0	60
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	60
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	53





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Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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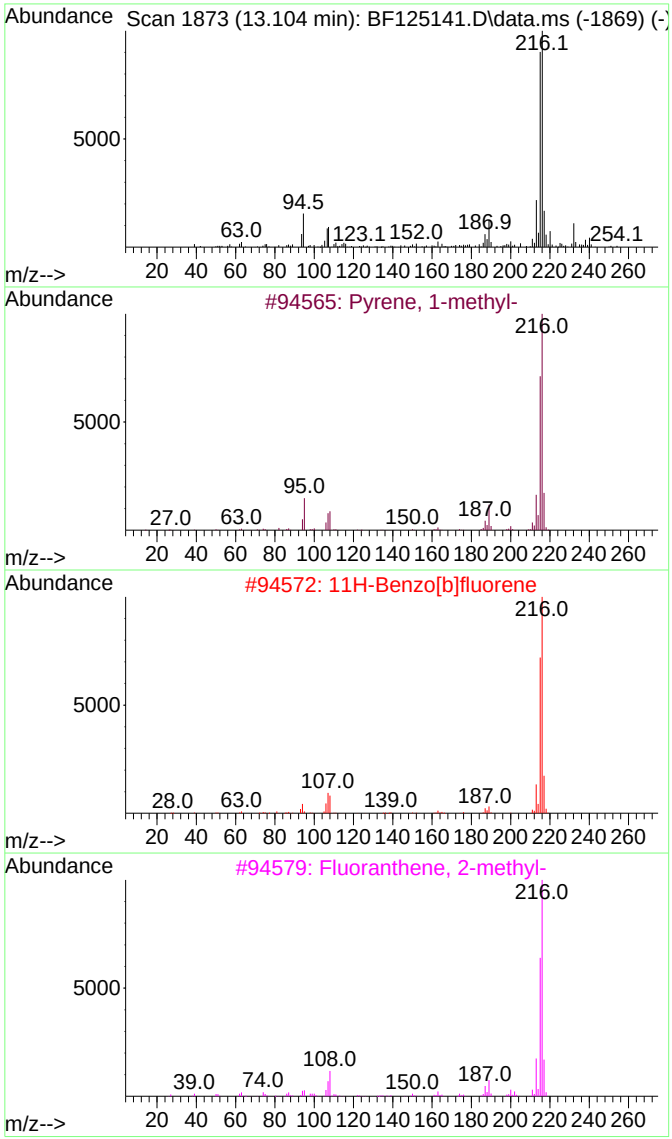
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

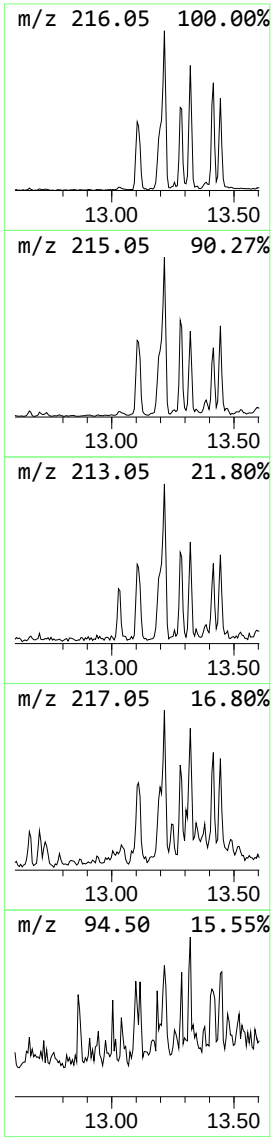
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	3.10 ng	318475	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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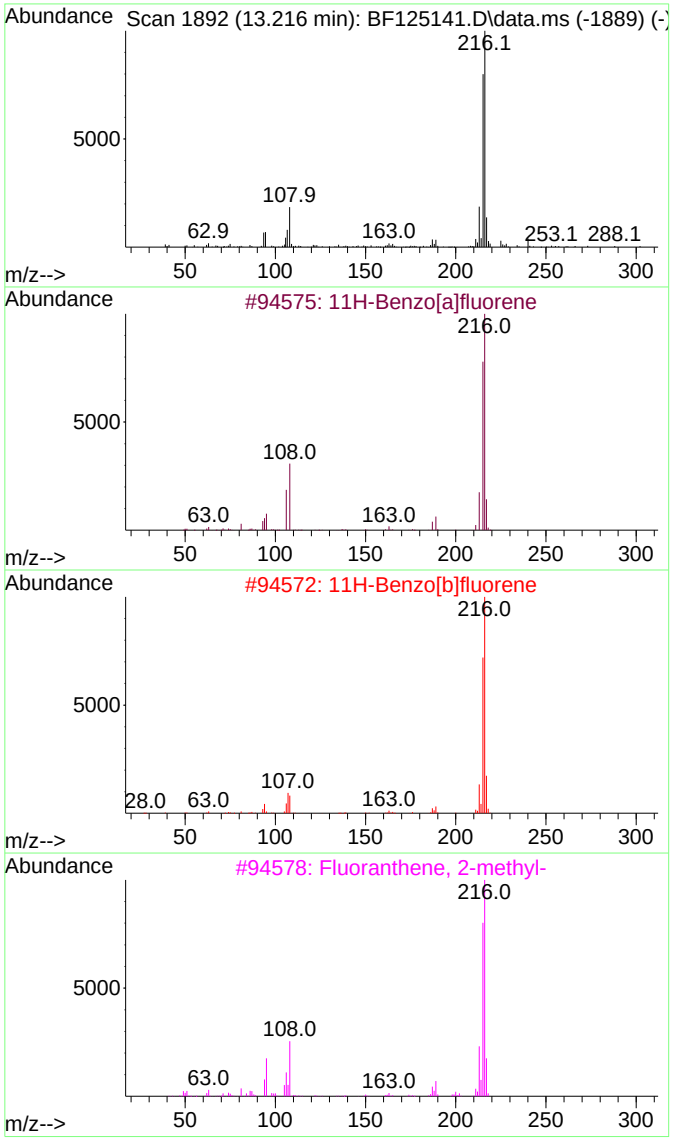
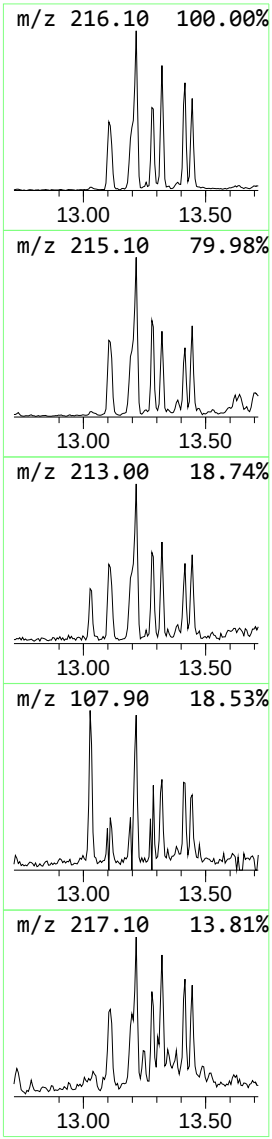
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	3.63 ng	372826	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BF125141.D
Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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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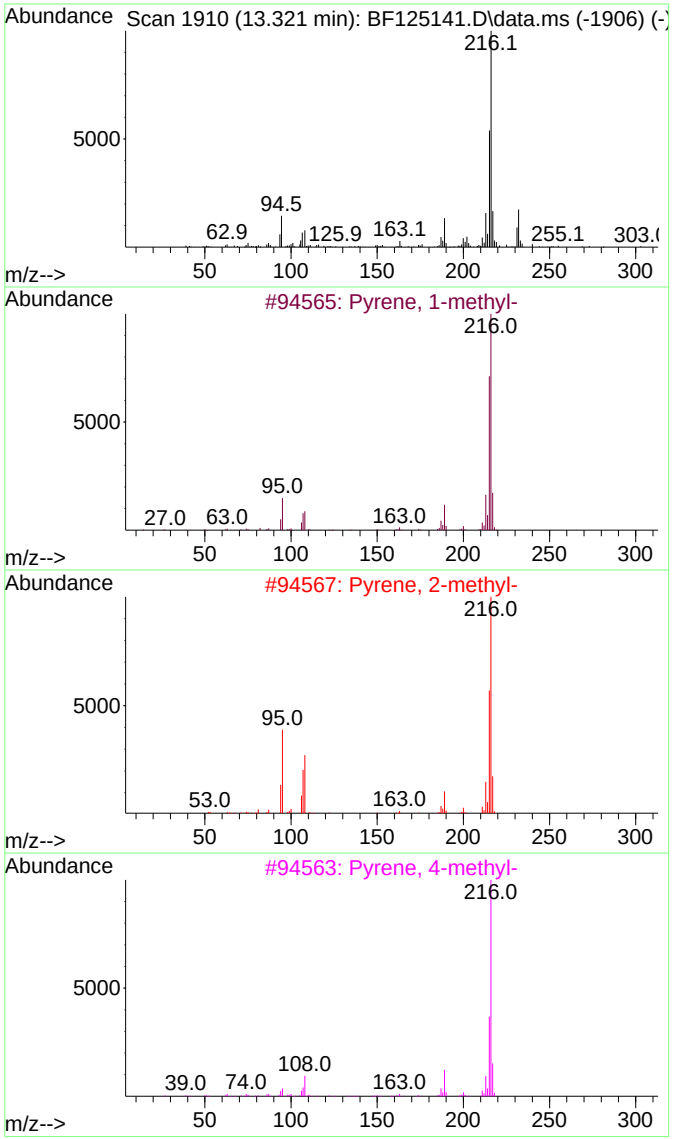
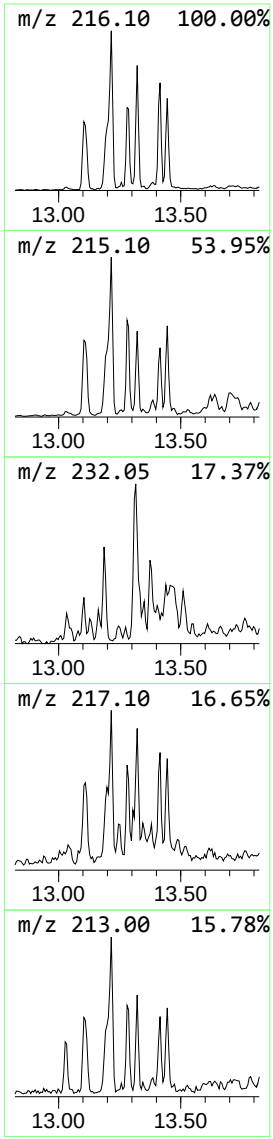
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.321	2.92 ng	299572	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Data File : BF125141.D
Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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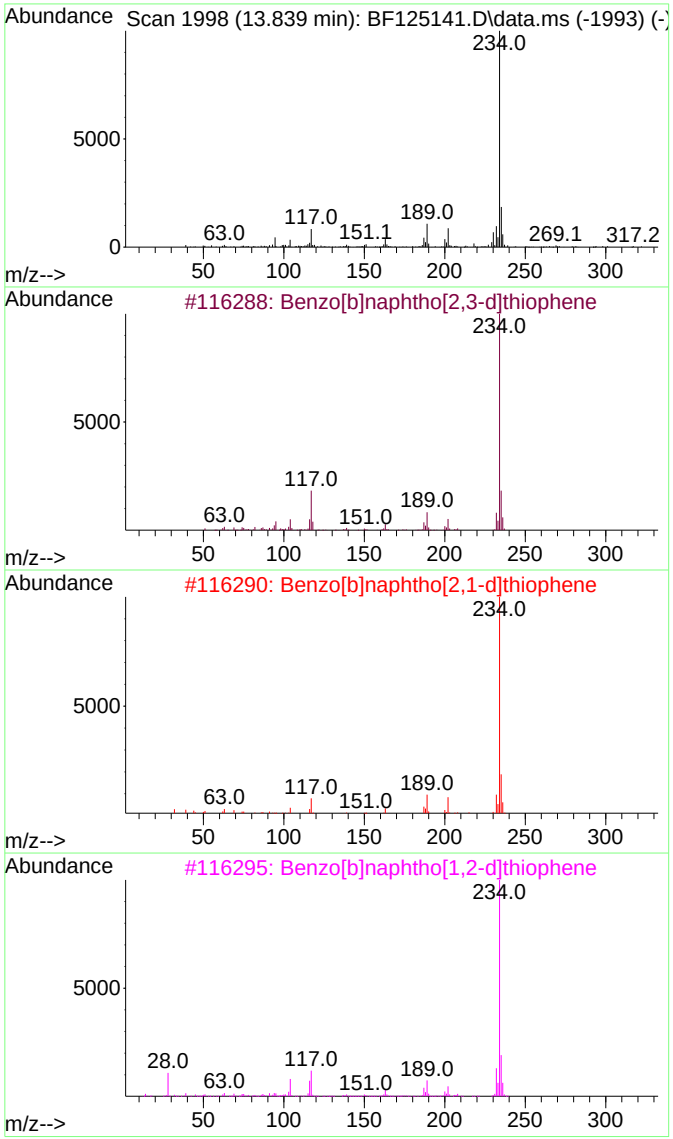
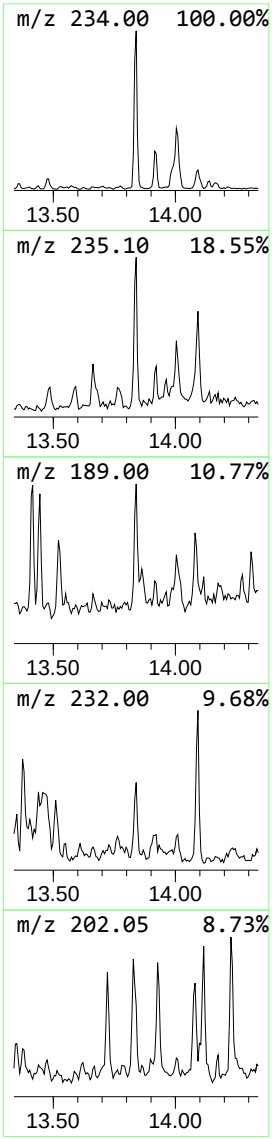
Peak Number 18 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	2.85 ng	292340	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	86
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	81





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Data File : BF125141.D
Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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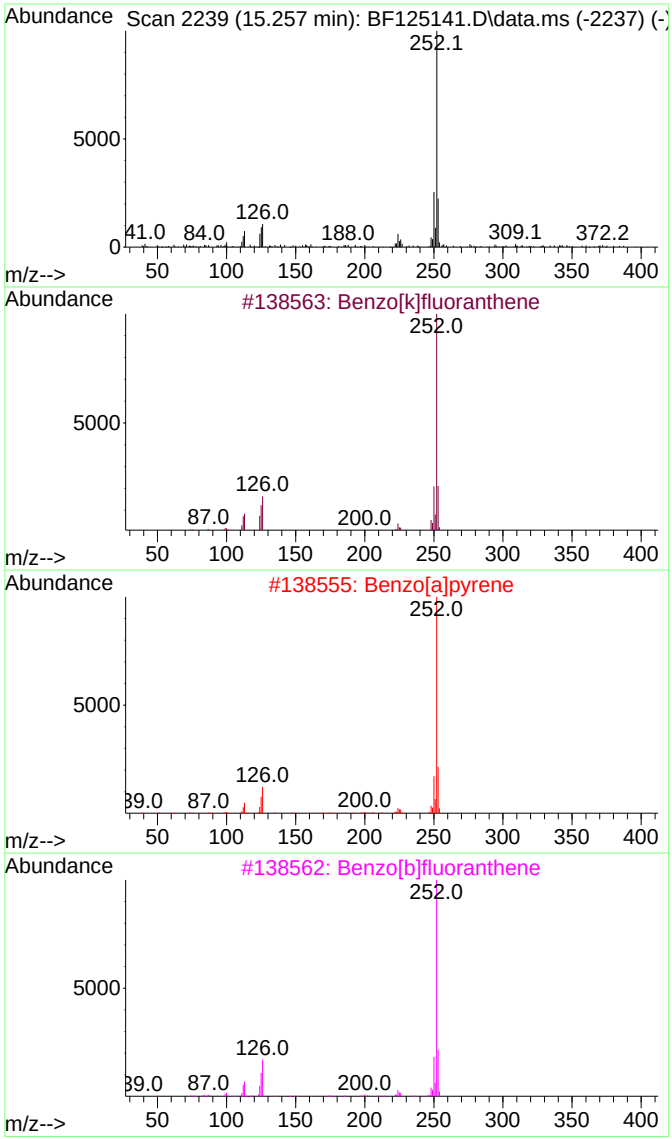
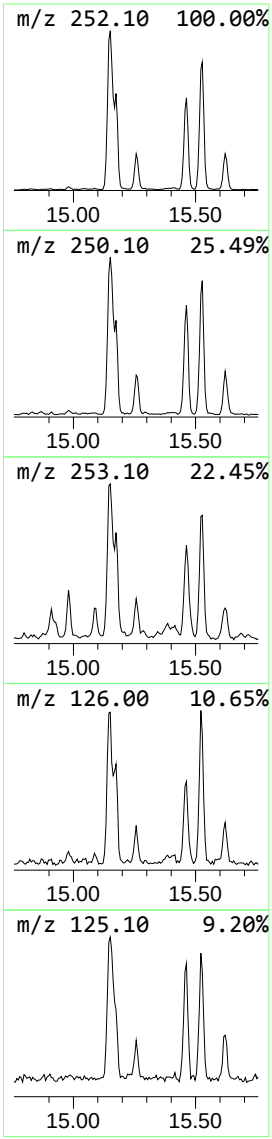
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.257	4.49 ng	156913	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	89
5	Perylene	252	C20H12	000198-55-0	87





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Data File : BF125141.D
Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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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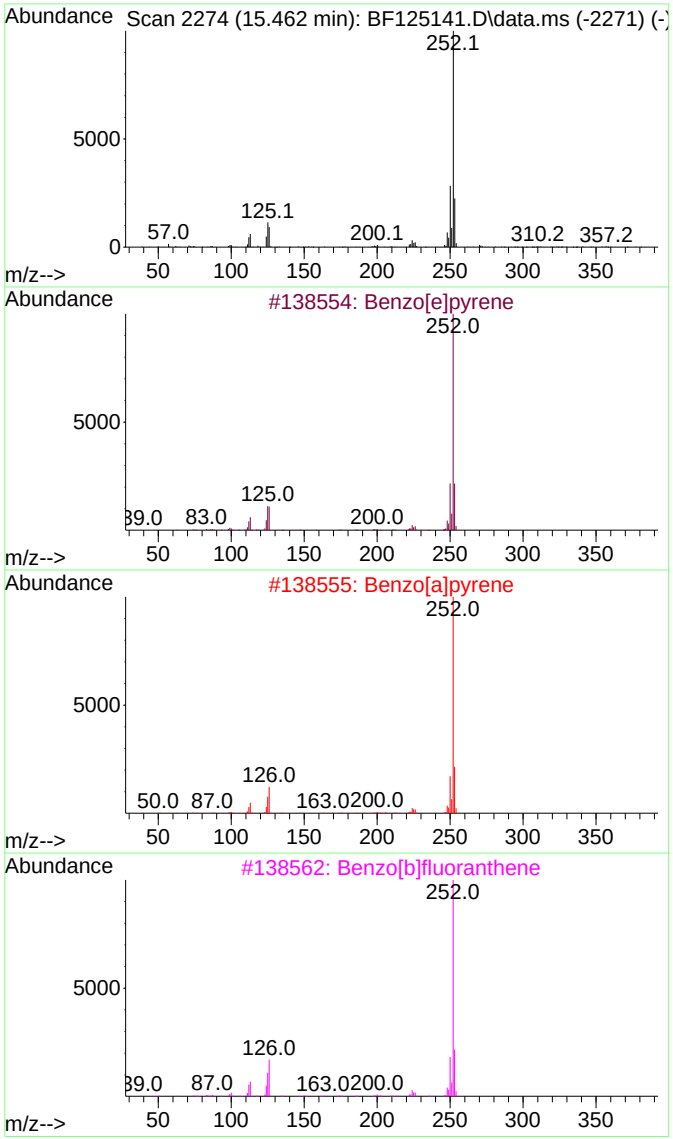
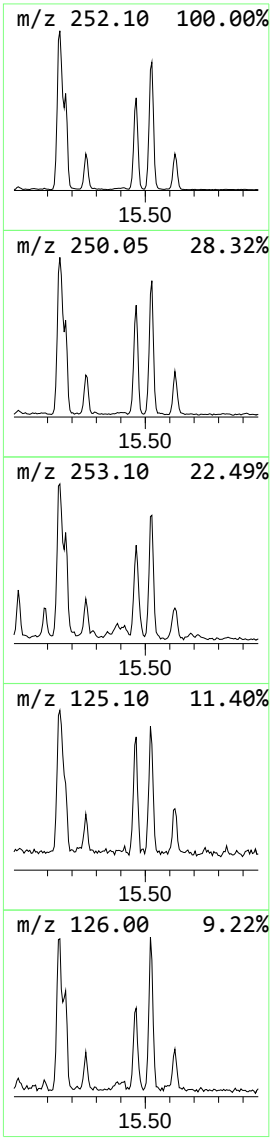
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.463	14.58 ng	509731	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082021\
Data File : BF125141.D
Acq On : 20 Aug 2021 18:36
Operator : JU/CG
Sample : M3476-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-081821

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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
Butane, 2-metho...	2.157	11.1	ng	533448	1	6.922	965564	20.0
Nonane, 4,5-dim...	9.357	2.3	ng	148300	3	9.957	1301290	20.0
Benzofuran, 5-c...	10.157	2.4	ng	153777	3	9.957	1301290	20.0
unknown10.869	10.869	3.1	ng	188106	4	11.445	1200470	20.0
Naphtho[2,1-b]t...	11.339	2.8	ng	168747	4	11.445	1200470	20.0
Phenanthrene, 2...	11.945	4.7	ng	278908	4	11.445	1200470	20.0
Anthracene, 2-m...	11.975	7.5	ng	450329	4	11.445	1200470	20.0
4H-Cyclopenta[d...	12.057	8.1	ng	485572	4	11.445	1200470	20.0
Anthracene, 1-m...	12.080	2.3	ng	138891	4	11.445	1200470	20.0
Naphthalene, 2-...	12.239	2.4	ng	143747	4	11.445	1200470	20.0
Phenanthrene, 2...	12.498	4.7	ng	279844	4	11.445	1200470	20.0
unknown12.533	12.533	3.1	ng	188114	4	11.445	1200470	20.0
Cyclopenta(def)...	12.580	3.1	ng	186024	4	11.445	1200470	20.0
4,4'-Bis(tetrah...	12.751	2.9	ng	173306	4	11.445	1200470	20.0
Pyrene, 1-methyl-	13.104	3.1	ng	318475	5	14.092	2054630	20.0
11H-Benzo[a]flu...	13.216	3.6	ng	372826	5	14.092	2054630	20.0
Pyrene, 2-methyl-	13.321	2.9	ng	299572	5	14.092	2054630	20.0
Benzo[b]naphtho...	13.839	2.9	ng	292340	5	14.092	2054630	20.0
Benzo[e]pyrene	15.257	4.5	ng	156913	6	15.592	699045	20.0
Perylene	15.463	14.6	ng	509731	6	15.592	699045	20.0