LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

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-BF080421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125024.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.434	567	569	573	rBB	18680	14253	44.29%	3.111%
2	6.451	740	742	746	rBB	19768	14844	46.12%	3.240%
3	6.822	802	805	808	rBB	36259	27445	85.28%	5.990%
4	7.381	897	900	903	rBB	12574	9015	28.01%	1.968%
5	8.104	1020	1023	1026	rBV	44656	32184	100.00%	7.024%
6	8.816	1142	1144	1146	rBB	2376	1435	4.46%	0.313%
7	8.916	1159	1161	1163	rBB	2616	1795	5.58%	0.392%
8	9.175	1203	1205	1208	rBB	19527	12669	39.36%	2.765%
9	9.516	1261	1263	1265	rBB	1534	1090	3.39%	0.238%
10	9.857	1318	1321	1324	rBB	41642	29067	90.32%	6.344%
11	9.892	1324	1327	1328	rBB	1924	1329	4.13%	0.290%
12	10.404	1412	1414	1416	rBB	2802	2012	6.25%	0.439%
13	10.645	1453	1455	1457	rBB	6770	4359	13.54%	0.951%
14	11.345	1571	1574	1576	rBV	37883	29561	91.85%	6.452%
15	11.369	1576	1578	1581	rVB	18533	13794	42.86%	3.011%
16	11.422	1584	1587	1589	rBB	2614	2250	6.99%	0.491%
17	11.845	1657	1659	1661	rBB	5037	3688	11.46%	0.805%
18	11.875	1661	1664	1666	rBB	5318	3946	12.26%	0.861%
19	11.957	1674	1678	1680	rBV2	6760	6410	19.92%	1.399%
20	11.980	1680	1682	1684	rVB	3157	2202	6.84%	0.481%
21	12.392	1750	1752	1755	rBB	3525	2785	8.65%	0.608%
22	12.427	1756	1758	1760	rBV	1603	1400	4.35%	0.306%
23	12.557	1777	1780	1783	rVB	14998	11693	36.33%	2.552%
24	12.786	1814	1819	1822	rBV	20651	19082	59.29%	4.165%
25	12.922	1838	1842	1845	rBB	15735	12685	39.41%	2.769%
26	13.010	1854	1857	1858	rBB	1829	1557	4.84%	0.340%
27	13.110	1871	1874	1877	rVB	3431	3679	11.43%	0.803%
28	13.180	1883	1886	1890	rVB	2904	2841	8.83%	0.620%
29	13.216	1890	1892	1894	rBB	3534	2281	7.09%	0.498%
30	13.310	1906	1908	1910	rVV	3650	3018	9.38%	0.659%
31	13.339	1910	1913	1917	rVB	2870	2924	9.09%	0.638%
32	13.533	1942	1946	1947	rBV	1193	1291	4.01%	0.282%
33	13.639	1962	1964	1969	rVB	1141	1245	3.87%	0.272%
34	13.733	1975	1980	1982	rVB2	1407	1749	5.43%	0.382%
35	13.821	1992	1995	2000	rBV2	1360	2048	6.36%	0.447%
36	13.869	2000	2003	2006	rVB2	1571	2161	6.71%	0.472%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

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-BF080421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.904	2006	2009	2011	rBV2	2252	2850	8.86%	0.622%
38	13.980	2016	2022	2025	rBV2	30946	31738	98.61%	6.927%
39	14.010	2025	2027	2029	rVB	6553	4404	13.68%	0.961%
40	14.127	2046	2047	2048	rBV	2195	1210	3.76%	0.264%
41	14.269	2067	2071	2073	rBV4	1393	1841	5.72%	0.402%
42	14.333	2080	2082	2084	rVB2	1735	1294	4.02%	0.282%
43	14.357	2084	2086	2087	rBV	3216	2329	7.24%	0.508%
44	14.369	2087	2088	2092	rVV3	3400	2141	6.65%	0.467%
45	14.404	2092	2094	2095	rVB	2329	1084	3.37%	0.237%
46	14.439	2098	2100	2102	rBV3	1513	1415	4.40%	0.309%
47	14.463	2102	2104	2107	rVV3	1797	1978	6.15%	0.432%
48	14.486	2107	2108	2110	rVV	2279	1412	4.39%	0.308%
49	14.521	2112	2114	2116	rBV3	1468	1225	3.81%	0.267%
50	14.545	2116	2118	2122	rVV4	764	1108	3.44%	0.242%
51	14.580	2122	2124	2127	rVB3	2011	1395	4.33%	0.304%
52	14.627	2127	2132	2133	rBV3	1781	2239	6.96%	0.489%
53	14.645	2133	2135	2137	rBV2	1393	1393	4.33%	0.304%
54	14.727	2147	2149	2153	rVV4	1287	1216	3.78%	0.265%
55	14.845	2167	2169	2173	rBV5	1325	1896	5.89%	0.414%
56	14.974	2189	2191	2192	rVB2	2443	1353	4.20%	0.295%
57	14.998	2192	2195	2196	rBV2	1412	1236	3.84%	0.270%
58	15.021	2196	2199	2201	rBV3	3825	4872	15.14%	1.063%
59	15.233	2231	2235	2237	rVB4	1728	2562	7.96%	0.559%
60	15.274	2239	2242	2243	rBV3	2152	1833	5.70%	0.400%
61	15.316	2247	2249	2253	rVV3	2605	3114	9.68%	0.680%
62	15.374	2256	2259	2263	rVB3	4428	5303	16.48%	1.157%
63	15.416	2263	2266	2267	rBV2	1338	1773	5.51%	0.387%
64	15.445	2267	2271	2277	rVB	16937	21489	66.77%	4.690%
65	15.504	2279	2281	2283	rVB3	2086	1396	4.34%	0.305%
66	15.521	2283	2284	2286	rBV2	1212	1136	3.53%	0.248%
67	15.563	2288	2291	2293	rBV2	1705	2054	6.38%	0.448%
68	15.880	2343	2345	2347	rVB4	1563	1445	4.49%	0.315%
69	15.968	2358	2360	2362	rVB3	1698	1377	4.28%	0.301%
70	15.992	2362	2364	2365	rBV2	1440	1334	4.14%	0.291%
71	16.080	2377	2379	2382	rVB4	1431	1536	4.77%	0.335%
72	16.115	2382	2385	2390	rBV3	2861	4922	15.29%	1.074%
73	16.551	2453	2459	2462	rBV4	2562	4493	13.96%	0.981%
74	16.657	2476	2477	2480	rVB3	1640	1233	3.83%	0.269%
75	16.833	2505	2507	2509	rBV	1968	1977	6.14%	0.431%
76	16.857	2509	2511	2514	rVB2	2048	1904	5.92%	0.416%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

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-BF080421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	16.904	2518	2519	2521	rVB2	1645	1092	3.39%	0.238%
78	17.051	2542	2544	2549	rVB2	1442	2420	7.52%	0.528%
79	17.104	2551	2553	2555	rVV3	1457	1316	4.09%	0.287%
80	17.121	2555	2556	2561	rVV3	1430	2009	6.24%	0.438%
81	17.174	2563	2565	2566	rBV	1614	1263	3.92%	0.276%
82	17.192	2566	2568	2573	rVB3	1914	1771	5.50%	0.387%
83	17.310	2586	2588	2590	rVB2	1469	1193	3.71%	0.260%
84	17.527	2623	2625	2627	rBV2	1304	1255	3.90%	0.274%
85	17.545	2627	2628	2631	rBV2	1286	1105	3.43%	0.241%
86	17.598	2634	2637	2638	rBV2	1234	1311	4.07%	0.286%
87	17.768	2663	2666	2670	rVB4	1698	2276	7.07%	0.497%
88	17.957	2695	2698	2699	rVB2	1341	1222	3.80%	0.267%
89	18.039	2710	2712	2714	rVB2	2020	1281	3.98%	0.280%
90	18.068	2714	2717	2719	rBV3	1798	2377	7.39%	0.519%
91	18.121	2723	2726	2730	rVV4	1948	2993	9.30%	0.653%
92	18.227	2742	2744	2747	rBV4	1635	1271	3.95%	0.277%
93	18.280	2750	2753	2755	rBV2	1123	1482	4.60%	0.323%
94	18.374	2766	2769	2772	rVB4	1027	1166	3.62%	0.254%
95	18.421	2775	2777	2780	rBV2	1730	2444	7.59%	0.533%
96	18.598	2805	2807	2809	rVB3	1694	1189	3.69%	0.260%
97	18.792	2838	2840	2843	rVB3	1482	1407	4.37%	0.307%
98	18.815	2843	2844	2846	rBV	1614	1172	3.64%	0.256%
99	18.856	2850	2851	2854	rVV3	1098	1166	3.62%	0.254%
100	18.939	2860	2865	2868	rBV4	2325	3704	11.51%	0.808%

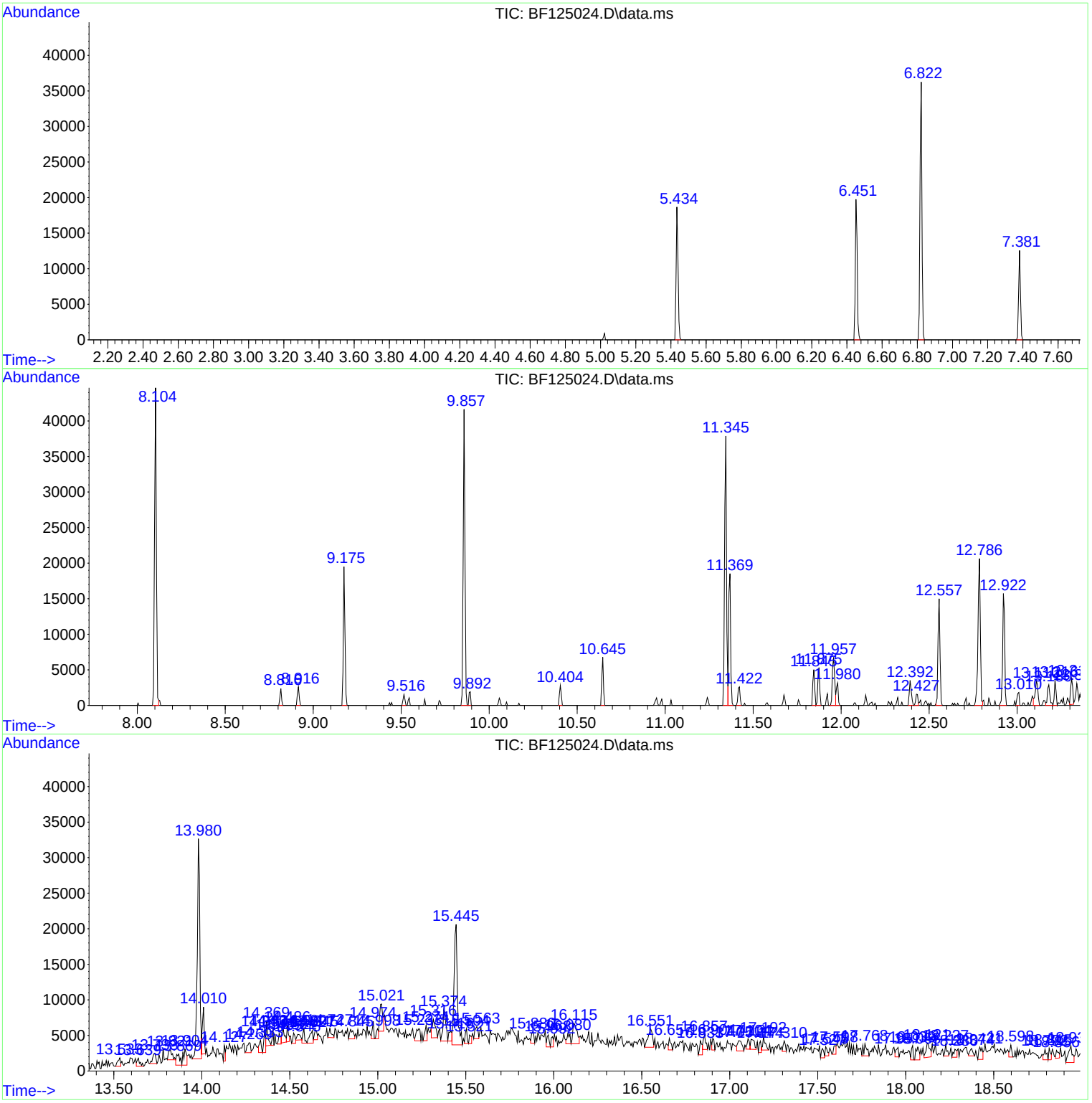
Sum of corrected areas: 458182

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

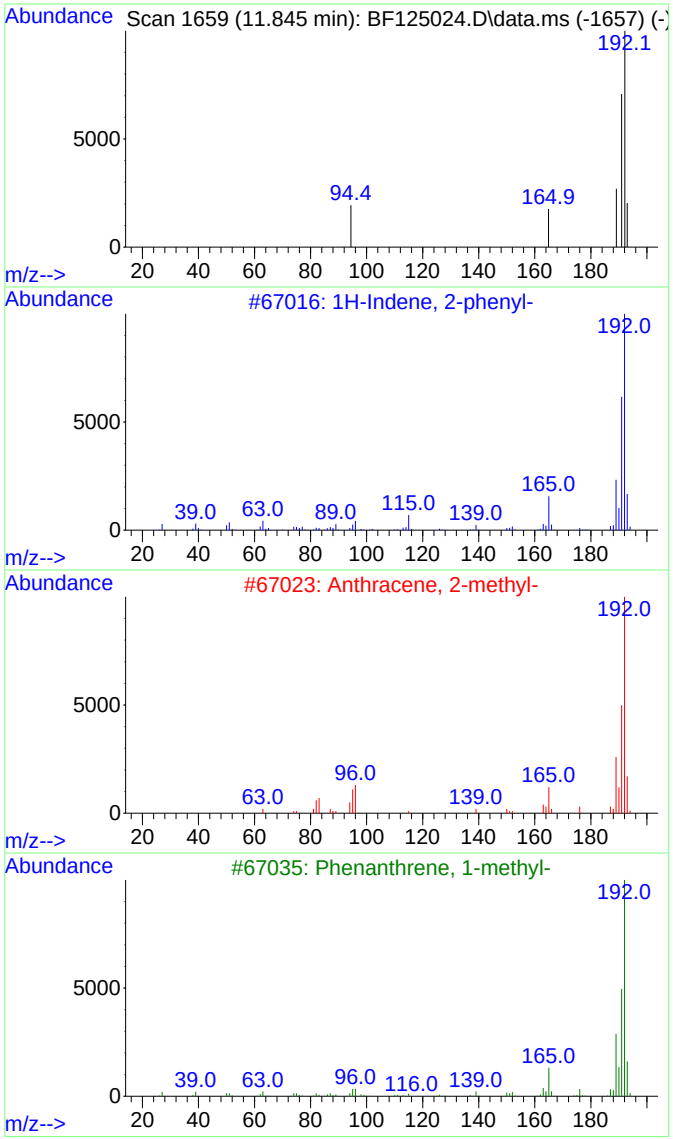
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

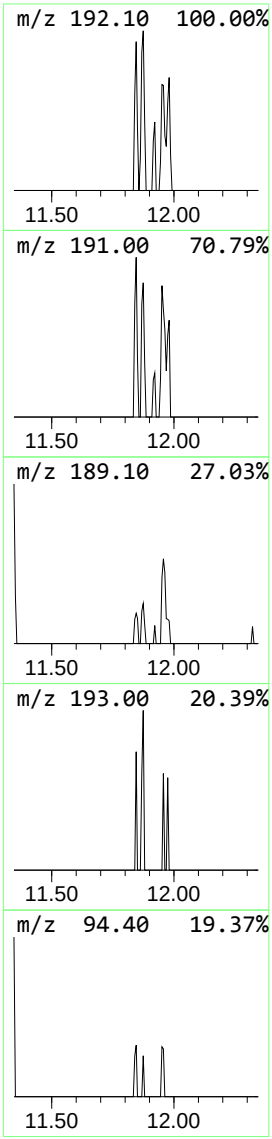
****

Peak Number 1 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	2.50 ng	3688	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

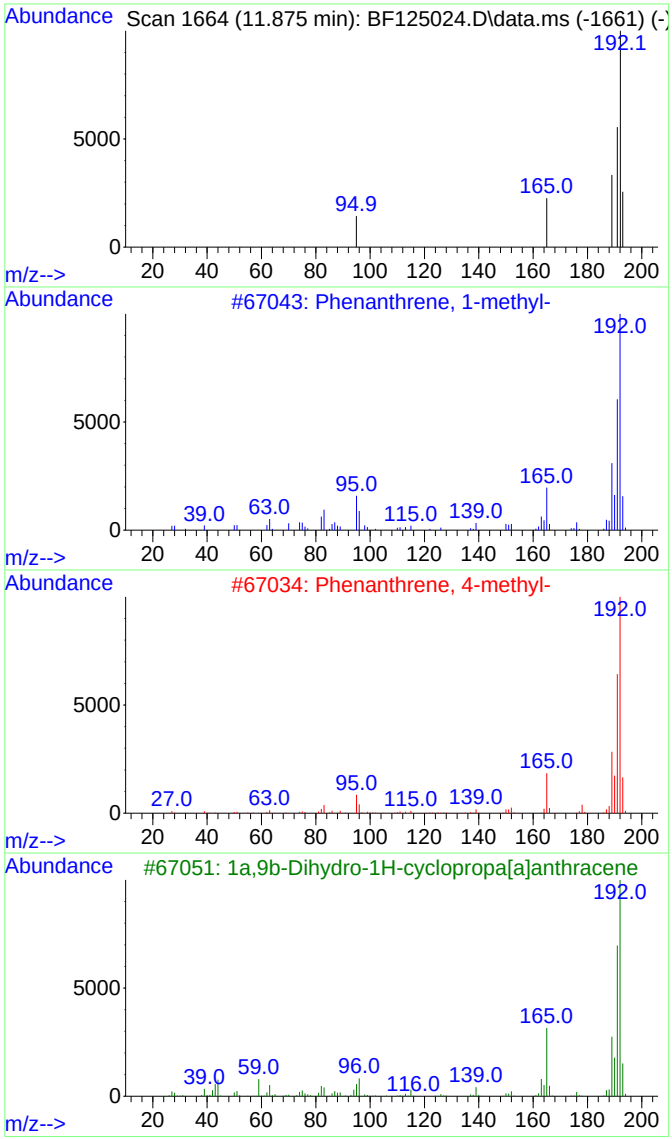
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

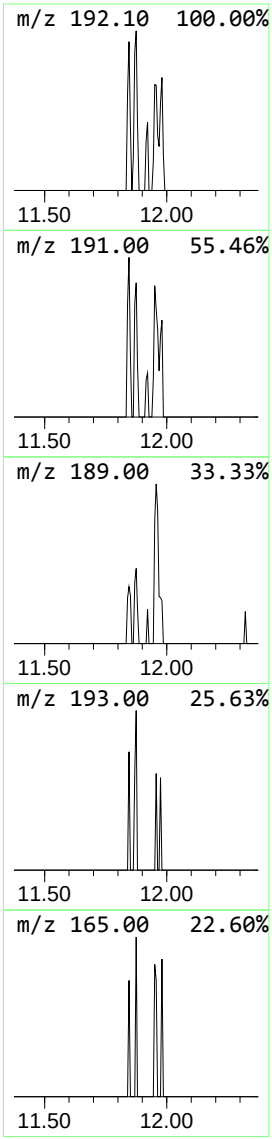
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	2.67 ng	3946	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
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Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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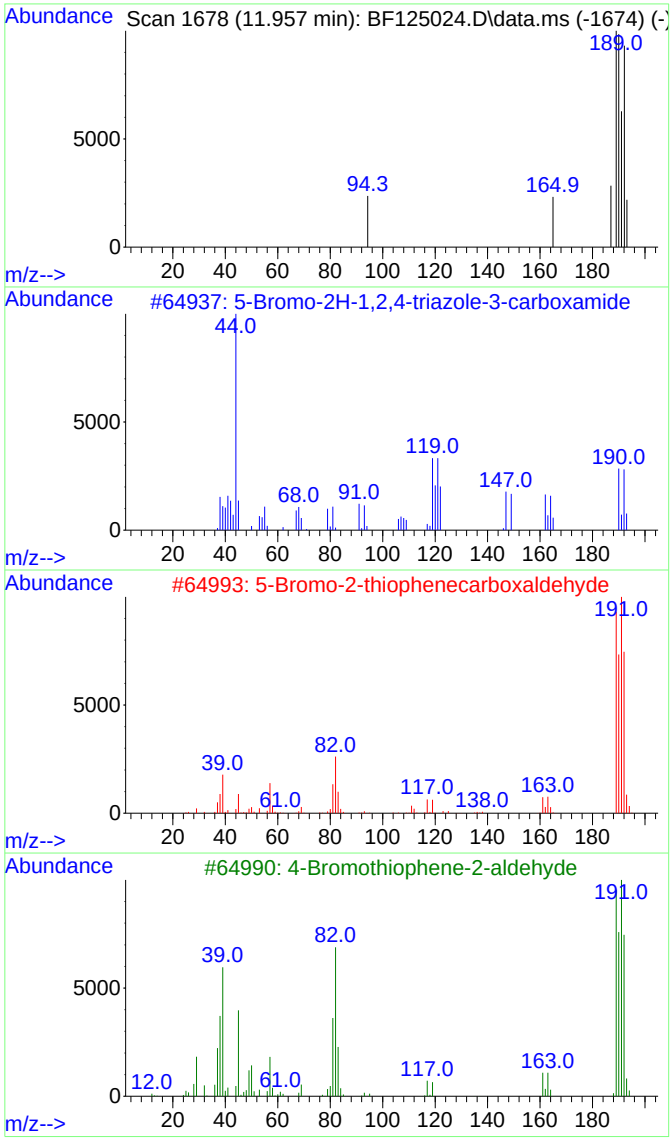
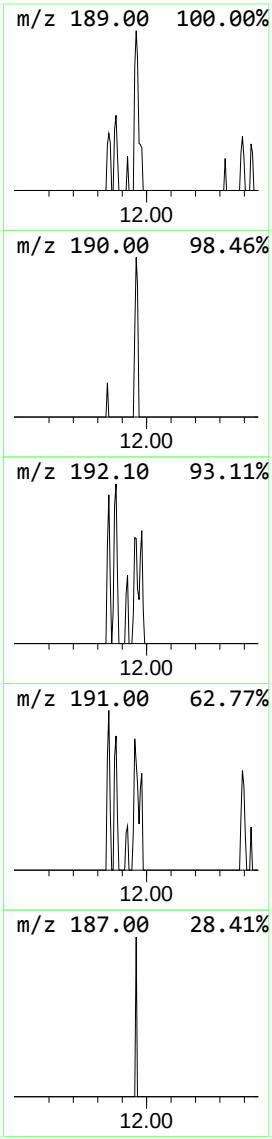
Peak Number 3 unknown11.957 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	4.34 ng	6410	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2H-1,2,4-triazole-3-carb...	190	C3H3BrN4O	1000387-28-4	40
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	39
3	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	39
4	3-Bromo-2-thiophenecarbaldehyde	190	C5H3BrOS	000930-96-1	39
5	5-Amino-3-bromo-2-fluoropyridine	190	C5H4BrFN2	209328-99-4	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
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Acq On : 10 Aug 2021 3:31
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Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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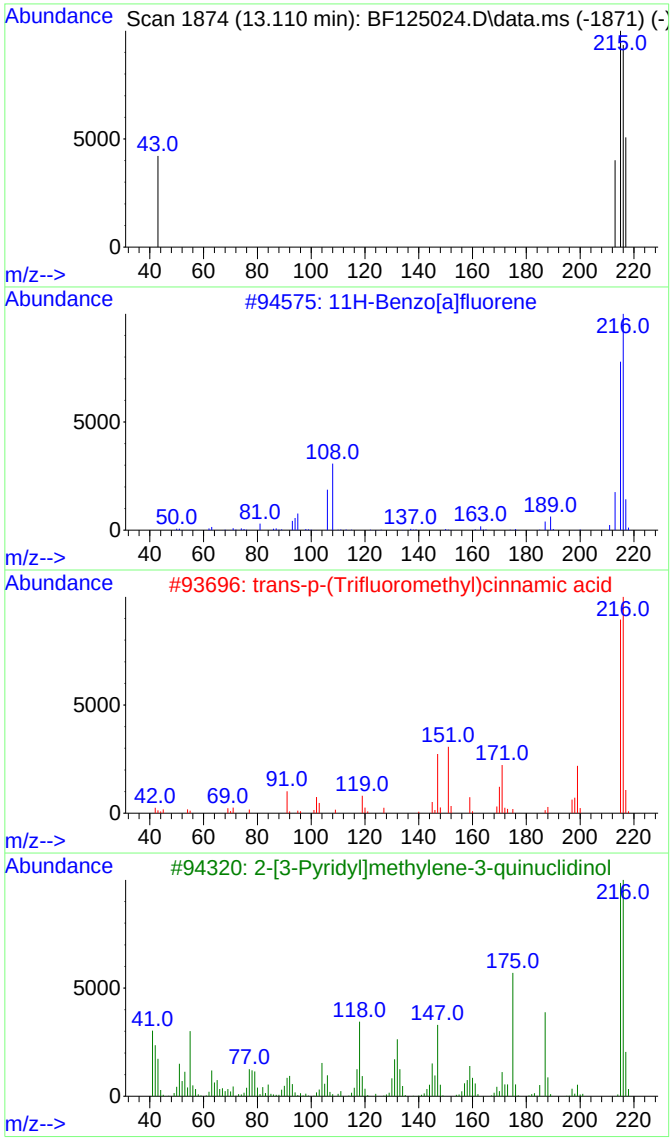
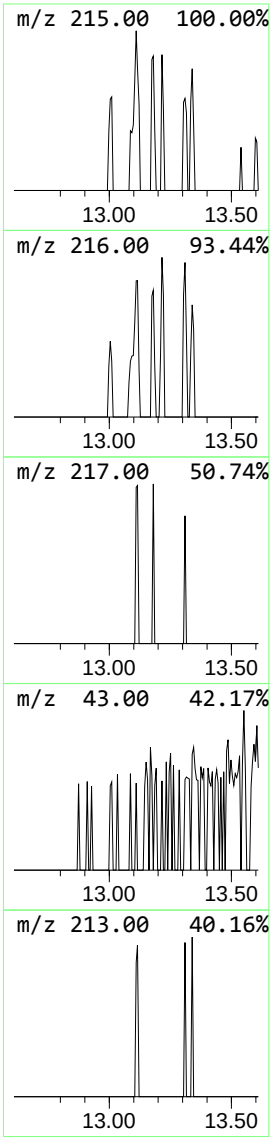
Peak Number 4 unknown13.110 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	2.32 ng	3679	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	7
2	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	7
3	2-[3-Pyridyl]methylene-3-quinucl...	216	C13H16N2O	273748-56-4	7
4	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	7
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	7





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

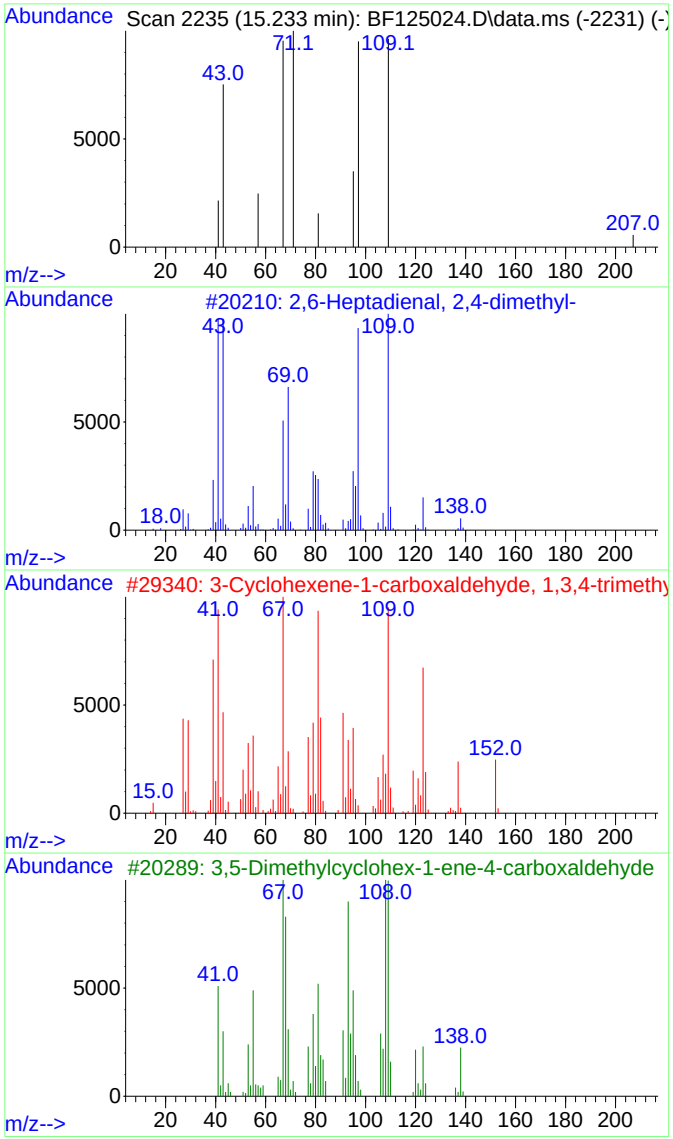
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

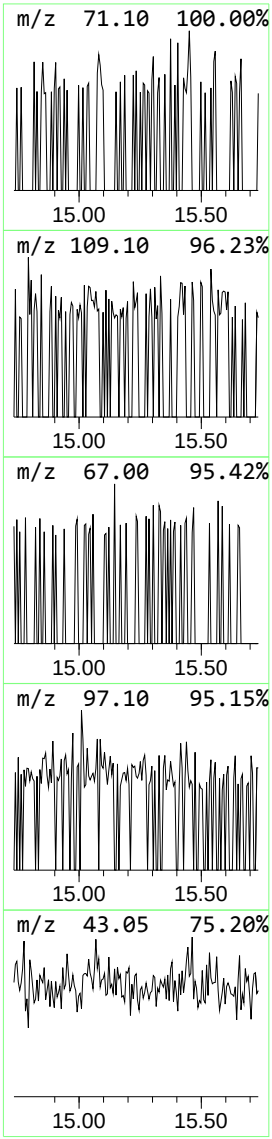
****

Peak Number 5 unknown15.233 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	2.38 ng	2562	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	9
2	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	9
3	3,5-Dimethylcyclohex-1-ene-4-car...	138	C9H14O	006975-94-6	9
4	N-Pyrrylcarbinol	97	C5H7NO	092776-61-9	5
5	3-Pyridinol, 6-methyl-	109	C6H7NO	001121-78-4	4





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Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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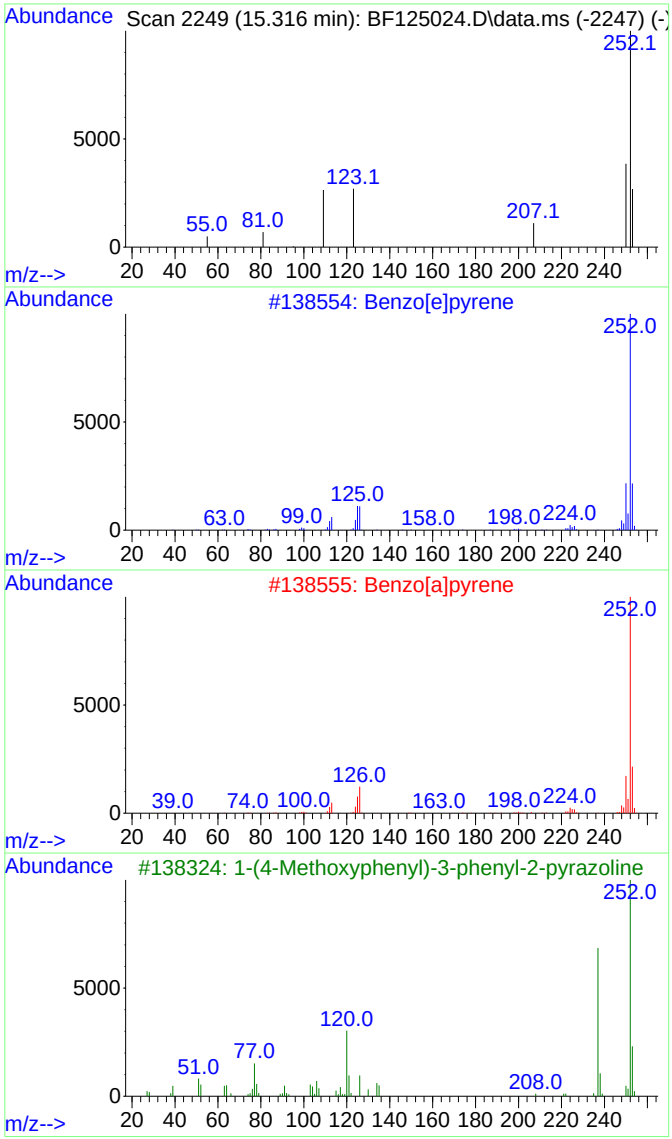
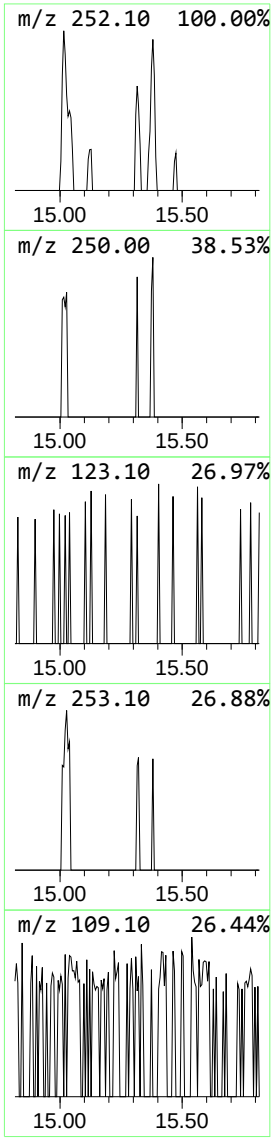
Peak Number 6 unknown15.316 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	2.90 ng	3114	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	5
2	Benzo[a]pyrene	252	C20H12	000050-32-8	5
3	1-(4-Methoxyphenyl)-3-phenyl-2-p...	252	C16H16N2O	002535-59-3	5
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	5
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	5





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Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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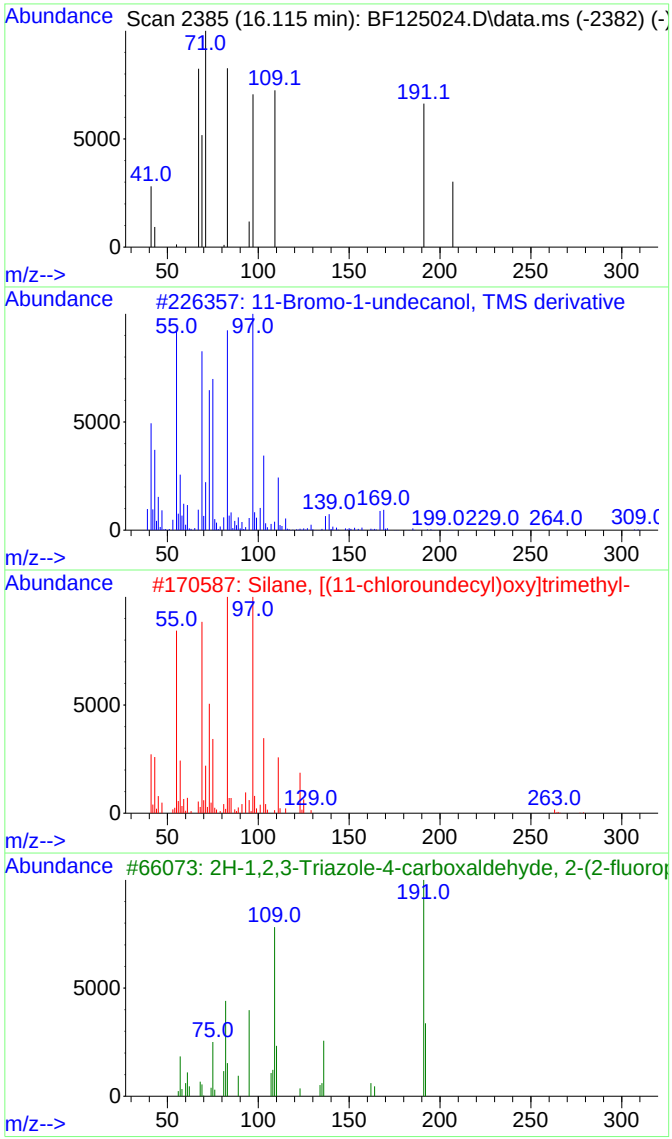
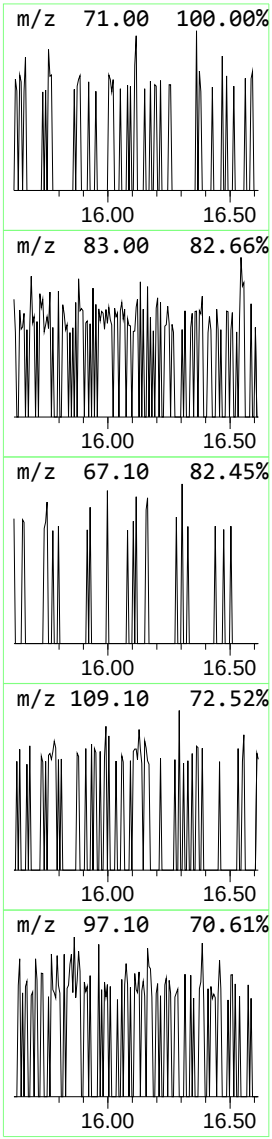
Peak Number 7 unknown16.115 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.115	4.58 ng	4922	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Bromo-1-undecanol, TMS deriva...	322	C14H31BrOSi	026305-83-9	9
2	Silane, [(11-chloroundecyl)oxy]t...	278	C14H31ClOSi	026305-82-8	9
3	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	5
4	N-Pyrrylcarbinol	97	C5H7NO	092776-61-9	5
5	2,7-Methanonaphthalen-3-amine, 1...	191	C13H21N	077483-32-0	5





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Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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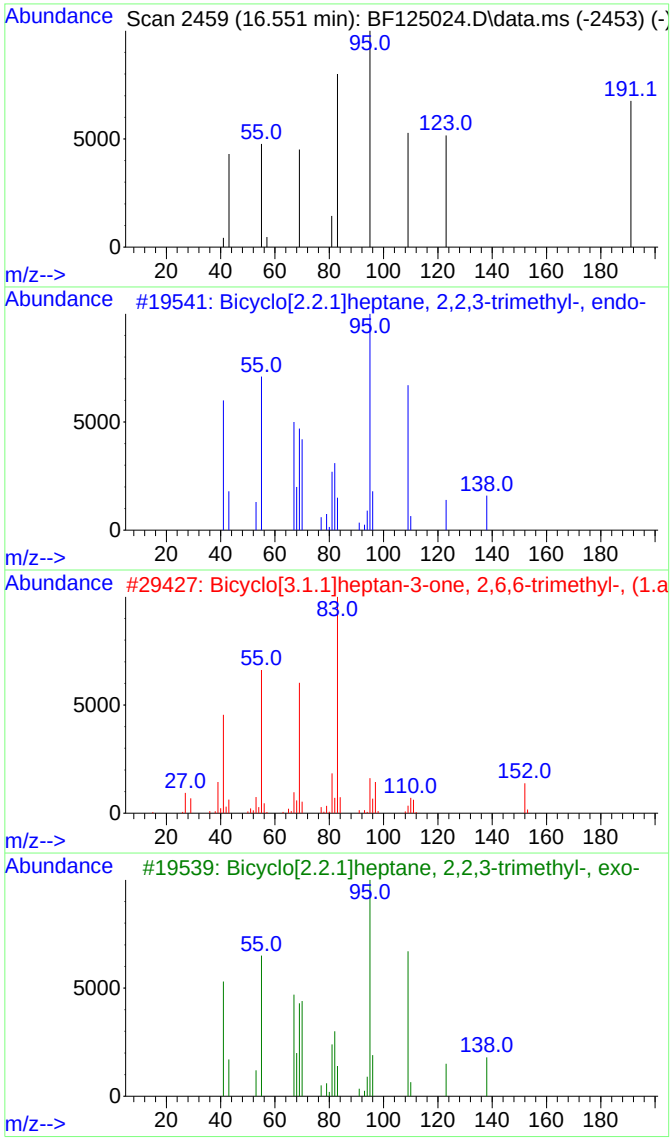
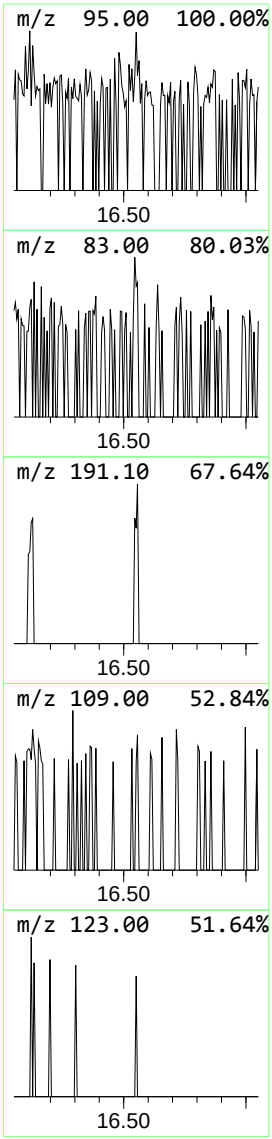
Peak Number 8 unknown16.551 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.551	4.18 ng	4493	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	9
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	9
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	9
4	Decane, 2-cyclohexyl-	224	C16H32	013151-73-0	9
5	trans-1,4-Cyclohexanedimethanol,...	336	C12H14F6O4	1000384-28-8	9





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Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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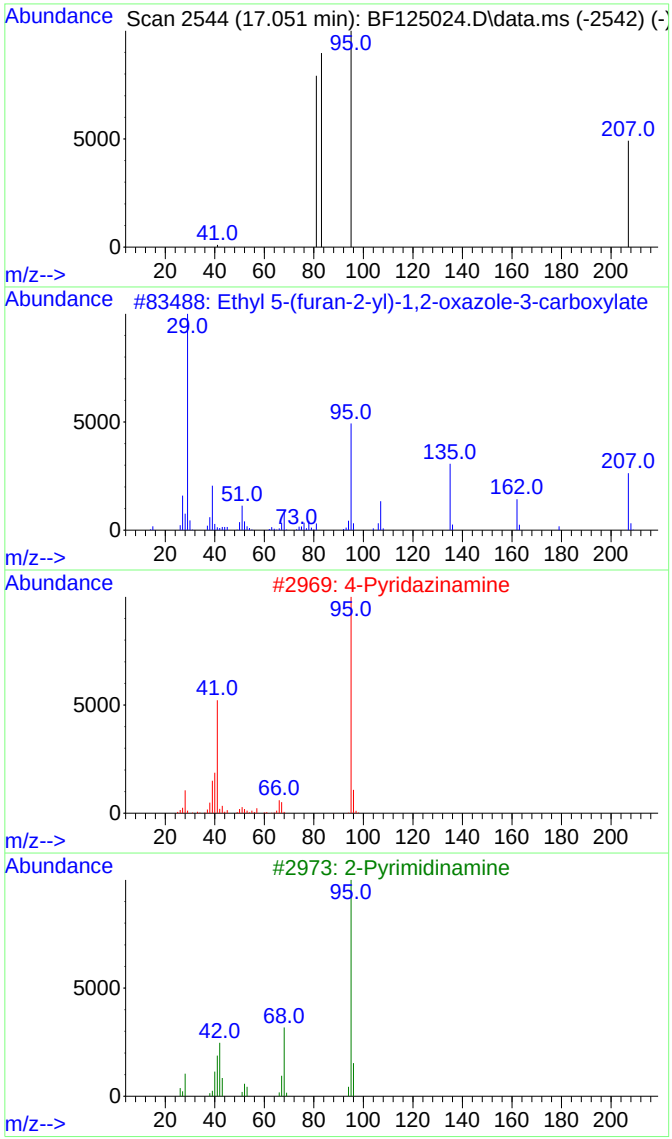
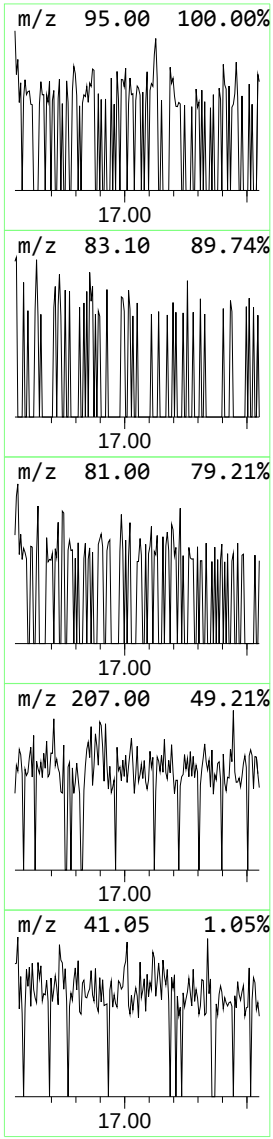
Peak Number 9 unknown17.051 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.051	2.25 ng	2420	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl 5-(furan-2-yl)-1,2-oxazole...	207	C10H9NO4	1000411-40-9	4
2	4-Pyridazinamine	95	C4H5N3	020744-39-2	2
3	2-Pyrimidinamine	95	C4H5N3	000109-12-6	2
4	4-Aminopyrimidine	95	C4H5N3	000591-54-8	2
5	4-Pyridinol	95	C5H5NO	000626-64-2	2





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Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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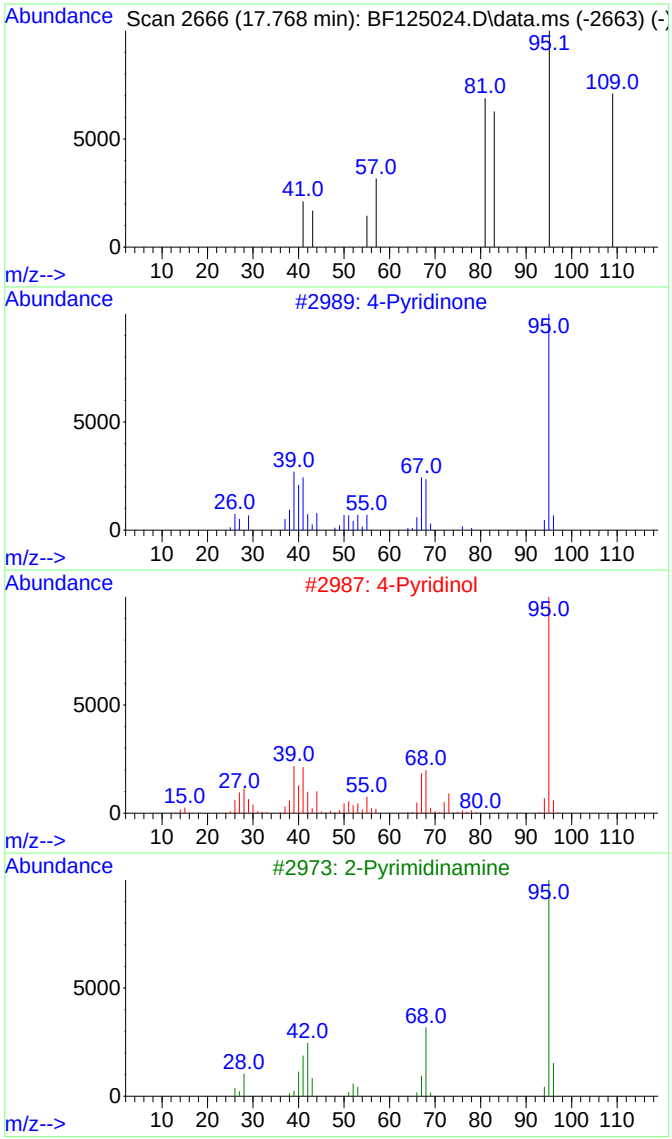
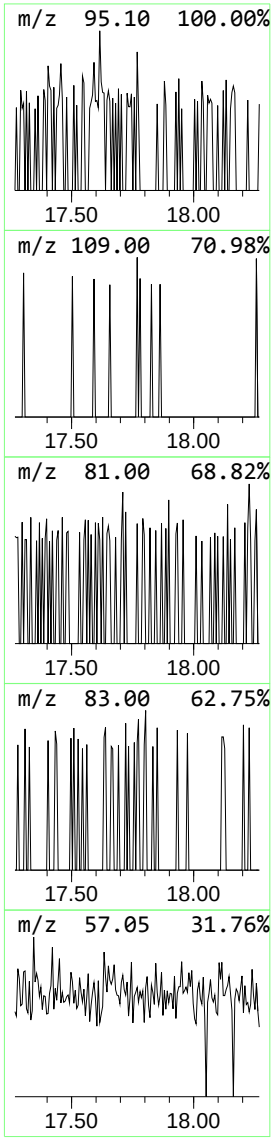
Peak Number 10 unknown17.768 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.768	2.12 ng	2276	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinone	95	C5H5NO	1000433-50-4	4
2	4-Pyridinol	95	C5H5NO	000626-64-2	4
3	2-Pyrimidinamine	95	C4H5N3	000109-12-6	3
4	1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	3
5	Pyridine, 1-oxide	95	C5H5NO	000694-59-7	2





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Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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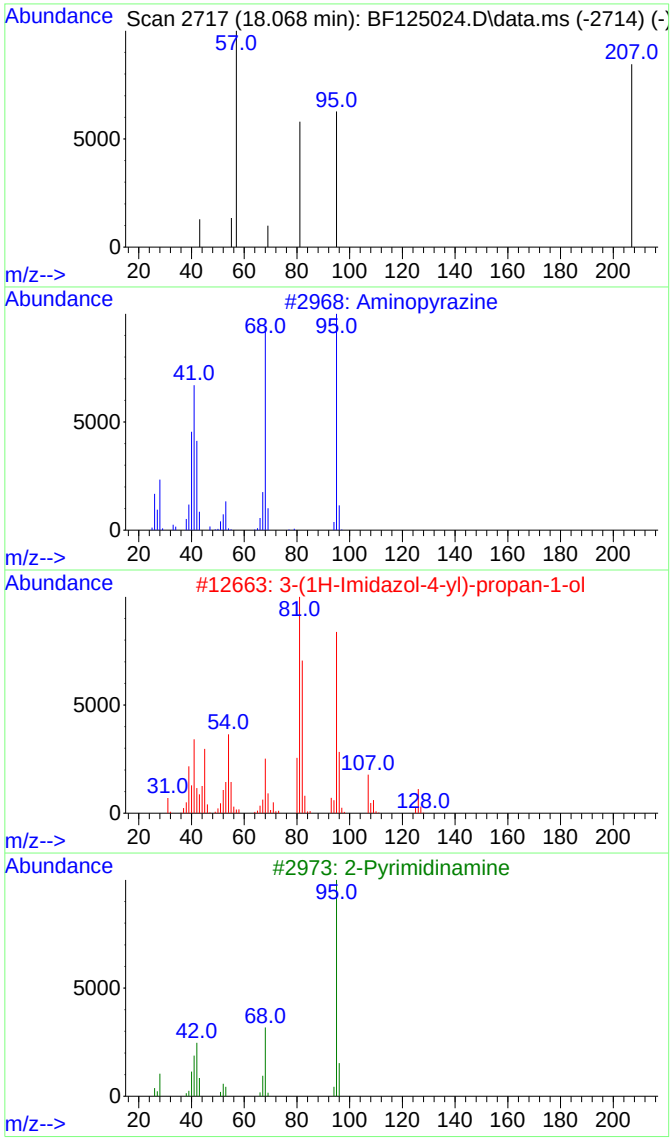
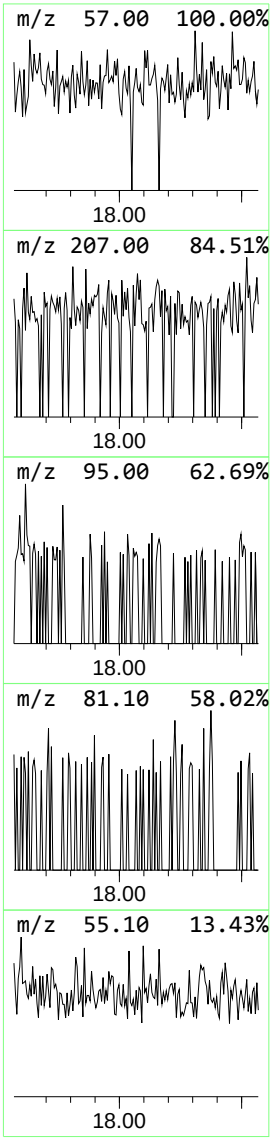
Peak Number 11 unknown18.068 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	2.21 ng	2377	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aminopyrazine	95	C4H5N3	005049-61-6	4
2	3-(1H-Imidazol-4-yl)-propan-1-ol	126	C6H10N2O	049549-75-9	4
3	2-Pyrimidinamine	95	C4H5N3	000109-12-6	2
4	2(1H)-Pyridinone	95	C5H5NO	000142-08-5	2
5	3-Pyridinol	95	C5H5NO	000109-00-2	2





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Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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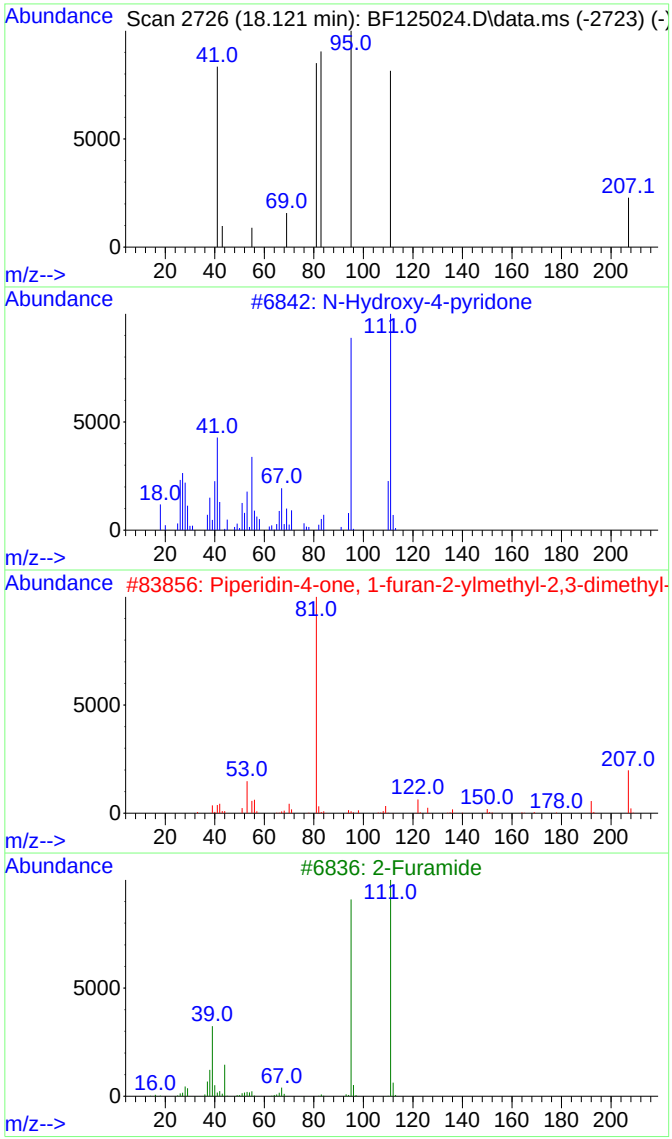
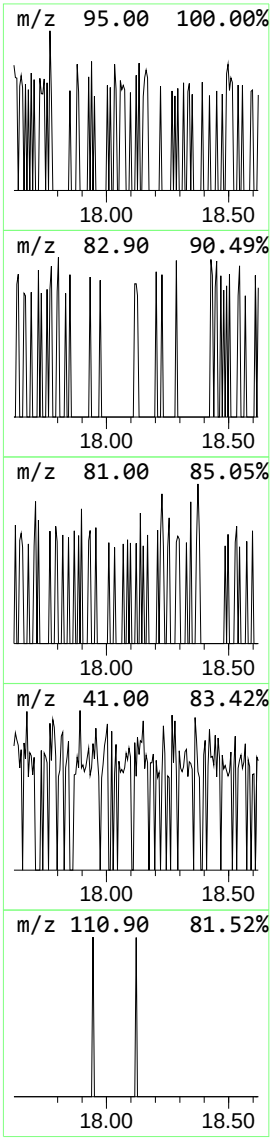
Peak Number 12 unknown18.121 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	2.79 ng	2993	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Hydroxy-4-pyridone	111	C5H5NO2	1010426-43-6	9
2	Piperidin-4-one, 1-furan-2-ylmet...	207	C12H17NO2	1000303-70-3	7
3	2-Furamide	111	C5H5NO2	000609-38-1	5
4	3-Pyridinol-1-oxide	111	C5H5NO2	006602-28-4	5
5	5-Amino-1-ethylpyrazole	111	C5H9N3	003528-58-3	5





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Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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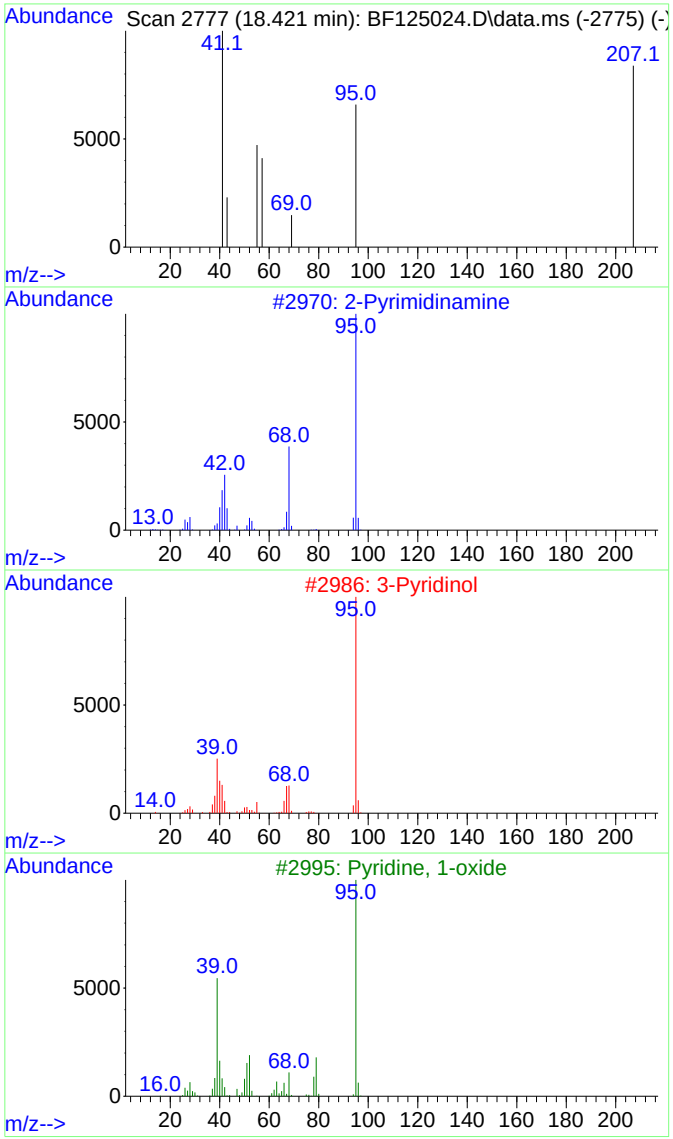
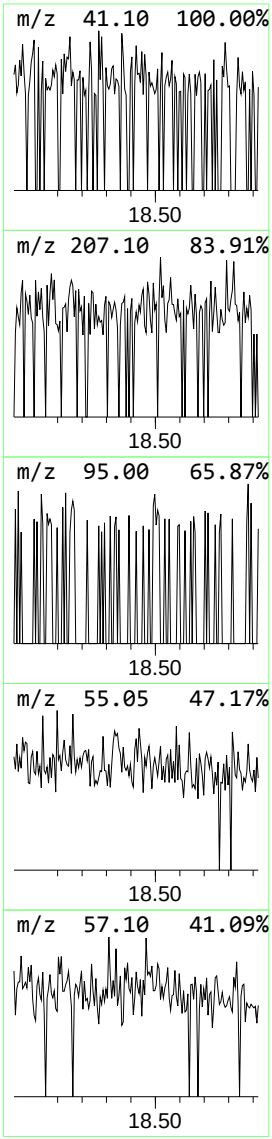
Peak Number 13 unknown18.421 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.421	2.27 ng	2444	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrimidinamine	95	C4H5N3	000109-12-6	2
2	3-Pyridinol	95	C5H5NO	000109-00-2	2
3	Pyridine, 1-oxide	95	C5H5NO	000694-59-7	2
4	2(1H)-Pyridinone	95	C5H5NO	000142-08-5	2
5	4(1H)-Pyridone	95	C5H5NO	000108-96-3	2





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Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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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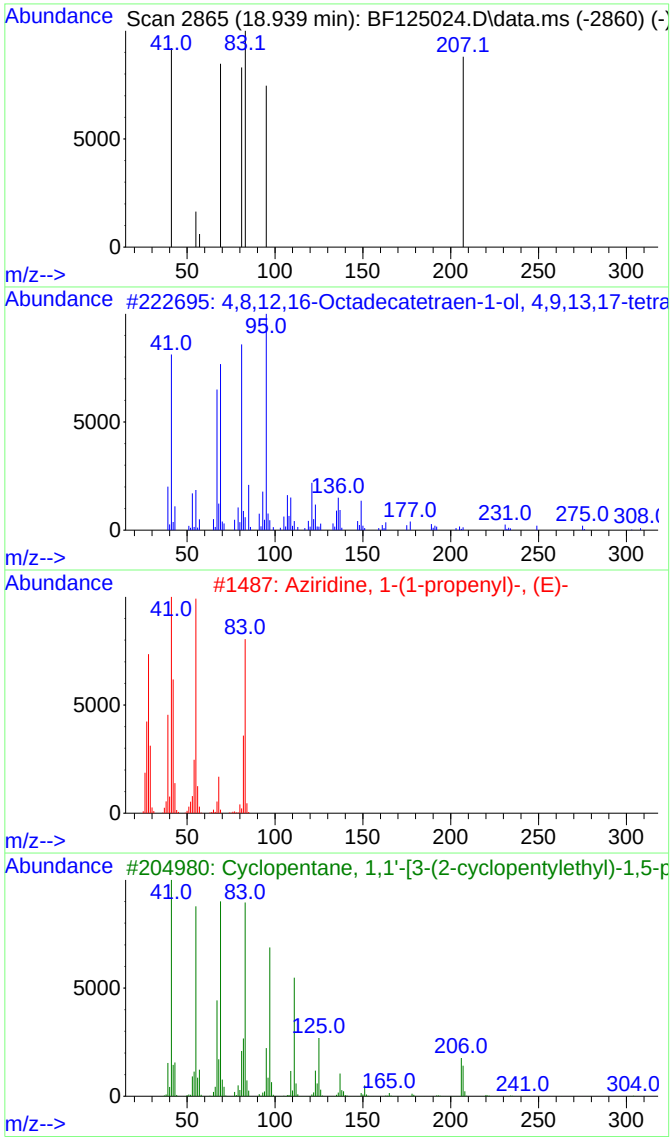
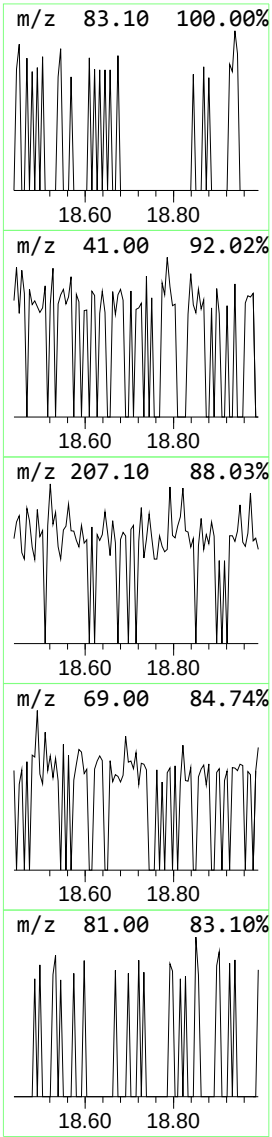
Peak Number 14 unknown18.939 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	3.45 ng	3704	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8,12,16-Octadecatetraen-1-ol, ...	318	C22H38O	1000142-00-0	9
2	Aziridine, 1-(1-propenyl)-, (E)-	83	C5H9N	080839-91-4	4
3	Cyclopentane, 1,1'-[3-(2-cyclope...	304	C22H40	055255-85-1	4
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	4
5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	4





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF125024.D
Acq On : 10 Aug 2021 3:31
Operator : JU/CG
Sample : M3315-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-08062021

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.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
1H-Indene, 2-ph...	11.845	2.5	ng	3688	4	11.345	29561	20.0
Phenanthrene, 1...	11.875	2.7	ng	3946	4	11.345	29561	20.0
unknown11.957	11.957	4.3	ng	6410	4	11.345	29561	20.0
unknown13.110	13.110	2.3	ng	3679	5	13.980	31738	20.0
unknown15.233	15.233	2.4	ng	2562	6	15.445	21489	20.0
unknown15.316	15.316	2.9	ng	3114	6	15.445	21489	20.0
unknown16.115	16.115	4.6	ng	4922	6	15.445	21489	20.0
unknown16.551	16.551	4.2	ng	4493	6	15.445	21489	20.0
unknown17.051	17.051	2.3	ng	2420	6	15.445	21489	20.0
unknown17.768	17.768	2.1	ng	2276	6	15.445	21489	20.0
unknown18.068	18.068	2.2	ng	2377	6	15.445	21489	20.0
unknown18.121	18.121	2.8	ng	2993	6	15.445	21489	20.0
unknown18.421	18.421	2.3	ng	2444	6	15.445	21489	20.0
unknown18.939	18.939	3.5	ng	3704	6	15.445	21489	20.0