LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.187	523	527	533	rBV	229383	211534	9.69%	0.686%
2	5.298	542	546	548	rBV	62514	71701	3.28%	0.233%
3	5.557	587	590	595	rVB	93274	93888	4.30%	0.305%
4	6.251	705	708	711	rBV	122881	106765	4.89%	0.346%
5	6.281	711	713	716	rVB	85241	61160	2.80%	0.198%
6	6.328	716	721	723	rBV2	61705	62253	2.85%	0.202%
7	6.551	756	759	766	rVB	207675	217061	9.94%	0.704%
8	6.728	785	789	792	rBV	1592856	1335432	61.15%	4.332%
9	6.781	796	798	800	rBV	77960	58819	2.69%	0.191%
10	6.904	816	819	823	rVB	693987	567589	25.99%	1.841%
11	6.975	829	831	834	rBV2	58288	61216	2.80%	0.199%
12	7.045	839	843	845	rBV	107015	92834	4.25%	0.301%
13	7.263	874	880	882	rBV	102866	92855	4.25%	0.301%
14	7.522	921	924	929	rVB	66365	68791	3.15%	0.223%
15	7.681	949	951	957	rVB2	100505	85241	3.90%	0.277%
16	7.751	960	963	967	rBV4	87957	123331	5.65%	0.400%
17	7.792	967	970	971	rBV	106137	98325	4.50%	0.319%
18	8.010	1001	1007	1009	rBV	2091410	2081979	95.33%	6.754%
19	8.034	1009	1011	1014	rVB	2985722	2184040	100.00%	7.085%
20	8.081	1014	1019	1021	rBV2	147760	141461	6.48%	0.459%
21	8.433	1076	1079	1083	rBV2	84333	95153	4.36%	0.309%
22	8.722	1124	1128	1131	rVB	1263750	964858	44.18%	3.130%
23	8.822	1139	1145	1148	rVB	930329	833202	38.15%	2.703%
24	9.186	1204	1207	1210	rVB	229806	176946	8.10%	0.574%
25	9.280	1220	1223	1228	rVB	346728	320456	14.67%	1.040%
26	9.351	1230	1235	1238	rBV	281323	370594	16.97%	1.202%
27	9.380	1238	1240	1243	rBV	74106	54435	2.49%	0.177%
28	9.422	1243	1247	1249	rBV	394660	377335	17.28%	1.224%
29	9.445	1249	1251	1254	rVB	223759	162934	7.46%	0.529%
30	9.486	1256	1258	1261	rVB2	85818	66997	3.07%	0.217%
31	9.539	1261	1267	1268	rBV	156981	151808	6.95%	0.492%
32	9.622	1275	1281	1285	rBV	311166	272102	12.46%	0.883%
33	9.763	1298	1305	1308	rBV	2107108	1902375	87.10%	6.171%
34	9.792	1308	1310	1314	rVB	928183	728584	33.36%	2.364%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.863	1319	1322	1327	rVV2	83894	110055	5.04%	0.357%
36	9.963	1333	1339	1342	rVB	187222	186213	8.53%	0.604%
37	10.004	1342	1346	1348	rBV	90471	73006	3.34%	0.237%
38	10.075	1355	1358	1361	rBV2	81902	103829	4.75%	0.337%
39	10.169	1369	1374	1376	rBV3	68258	93632	4.29%	0.304%
40	10.216	1379	1382	1385	rBV	77784	77897	3.57%	0.253%
41	10.275	1390	1392	1394	rVB	73640	53656	2.46%	0.174%
42	10.304	1394	1397	1403	rVB	576911	521302	23.87%	1.691%
43	10.357	1403	1406	1407	rBV	75489	60938	2.79%	0.198%
44	10.416	1413	1416	1419	rVB2	113247	101492	4.65%	0.329%
45	10.463	1421	1424	1427	rVV	67179	63199	2.89%	0.205%
46	10.527	1432	1435	1442	rVB2	145394	186590	8.54%	0.605%
47	10.680	1457	1461	1465	rBV2	97859	129484	5.93%	0.420%
48	10.851	1486	1490	1493	rBV	112466	139753	6.40%	0.453%
49	10.880	1493	1495	1501	rVV2	74695	79250	3.63%	0.257%
50	10.933	1501	1504	1508	rVB2	67523	71471	3.27%	0.232%
51	11.139	1535	1539	1547	rVB	497378	467035	21.38%	1.515%
52	11.245	1553	1557	1559	rBV	1747849	1663898	76.18%	5.398%
53	11.269	1559	1561	1564	rVV	2226304	1650411	75.57%	5.354%
54	11.316	1566	1569	1573	rVV	634287	512804	23.48%	1.664%
55	11.539	1605	1607	1610	rBV	88976	67608	3.10%	0.219%
56	11.574	1610	1613	1616	rBV	147413	140342	6.43%	0.455%
57	11.657	1623	1627	1630	rVB	139676	148406	6.80%	0.481%
58	11.745	1639	1642	1644	rVV	325167	314905	14.42%	1.022%
59	11.769	1644	1646	1651	rVV	347972	306019	14.01%	0.993%
60	11.816	1651	1654	1657	rVV	141556	129053	5.91%	0.419%
61	11.851	1657	1660	1663	rVV	445090	505142	23.13%	1.639%
62	11.874	1663	1664	1670	rVB	214950	152734	6.99%	0.495%
63	12.039	1689	1692	1694	rBV	216435	174634	8.00%	0.567%
64	12.216	1720	1722	1724	rBV	49349	49227	2.25%	0.160%
65	12.292	1729	1735	1738	rBV	167732	197593	9.05%	0.641%
66	12.327	1738	1741	1743	rVV2	95927	119986	5.49%	0.389%
67	12.374	1746	1749	1754	rVV3	52051	94780	4.34%	0.307%
68	12.451	1758	1762	1766	rBV	892518	770529	35.28%	2.500%
69	12.498	1768	1770	1775	rVV4	51881	73946	3.39%	0.240%
70	12.545	1775	1778	1781	rVV	278458	236753	10.84%	0.768%
71	12.604	1785	1788	1795	rVV2	128960	154043	7.05%	0.500%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.680	1795	1801	1804	rVV	1166418	1050368	48.09%	3.407%
73	12.733	1808	1810	1814	rVV3	51630	54888	2.51%	0.178%
74	12.827	1823	1826	1834	rVV6	41311	80071	3.67%	0.260%
75	12.898	1834	1838	1842	rVV3	81894	120101	5.50%	0.390%
76	12.951	1845	1847	1850	rVV3	47721	51608	2.36%	0.167%
77	12.986	1850	1853	1854	rVV2	85218	100206	4.59%	0.325%
78	13.004	1854	1856	1859	rVB2	176915	164368	7.53%	0.533%
79	13.074	1865	1868	1871	rVV	137960	111959	5.13%	0.363%
80	13.110	1871	1874	1878	rVV	120207	117786	5.39%	0.382%
81	13.174	1882	1885	1887	rBV	68931	71639	3.28%	0.232%
82	13.204	1887	1890	1892	rVV2	91455	82057	3.76%	0.266%
83	13.233	1892	1895	1899	rVB	102488	99218	4.54%	0.322%
84	13.621	1959	1961	1964	rVV	107056	104928	4.80%	0.340%
85	13.651	1964	1966	1968	rVV	71732	61418	2.81%	0.199%
86	13.874	1999	2004	2007	rBV2	1216224	1383331	63.34%	4.488%
87	13.898	2007	2008	2011	rVV	285601	183423	8.40%	0.595%
88	14.263	2067	2070	2073	rVB2	70048	68606	3.14%	0.223%
89	14.351	2082	2085	2088	rVV2	58394	59233	2.71%	0.192%
90	14.404	2092	2094	2099	rVB3	57611	70667	3.24%	0.229%
91	14.886	2172	2176	2189	rBV	180087	374296	17.14%	1.214%
92	14.986	2189	2193	2197	rVB2	73175	102473	4.69%	0.332%
93	15.174	2221	2225	2230	rBV	142775	165414	7.57%	0.537%
94	15.227	2230	2234	2240	rVB	256181	292840	13.41%	0.950%
95	15.292	2240	2245	2249	rBV	843284	1029445	47.13%	3.340%
96	15.745	2319	2322	2326	rVB3	43453	56934	2.61%	0.185%
97	16.656	2472	2477	2485	rVB2	95737	195085	8.93%	0.633%
98	16.886	2512	2516	2521	rBV5	32154	56457	2.58%	0.183%
99	17.068	2542	2547	2554	rBV2	89411	174572	7.99%	0.566%
100	17.292	2582	2585	2594	rVB2	39440	67160	3.08%	0.218%

Sum of corrected areas: 30826220

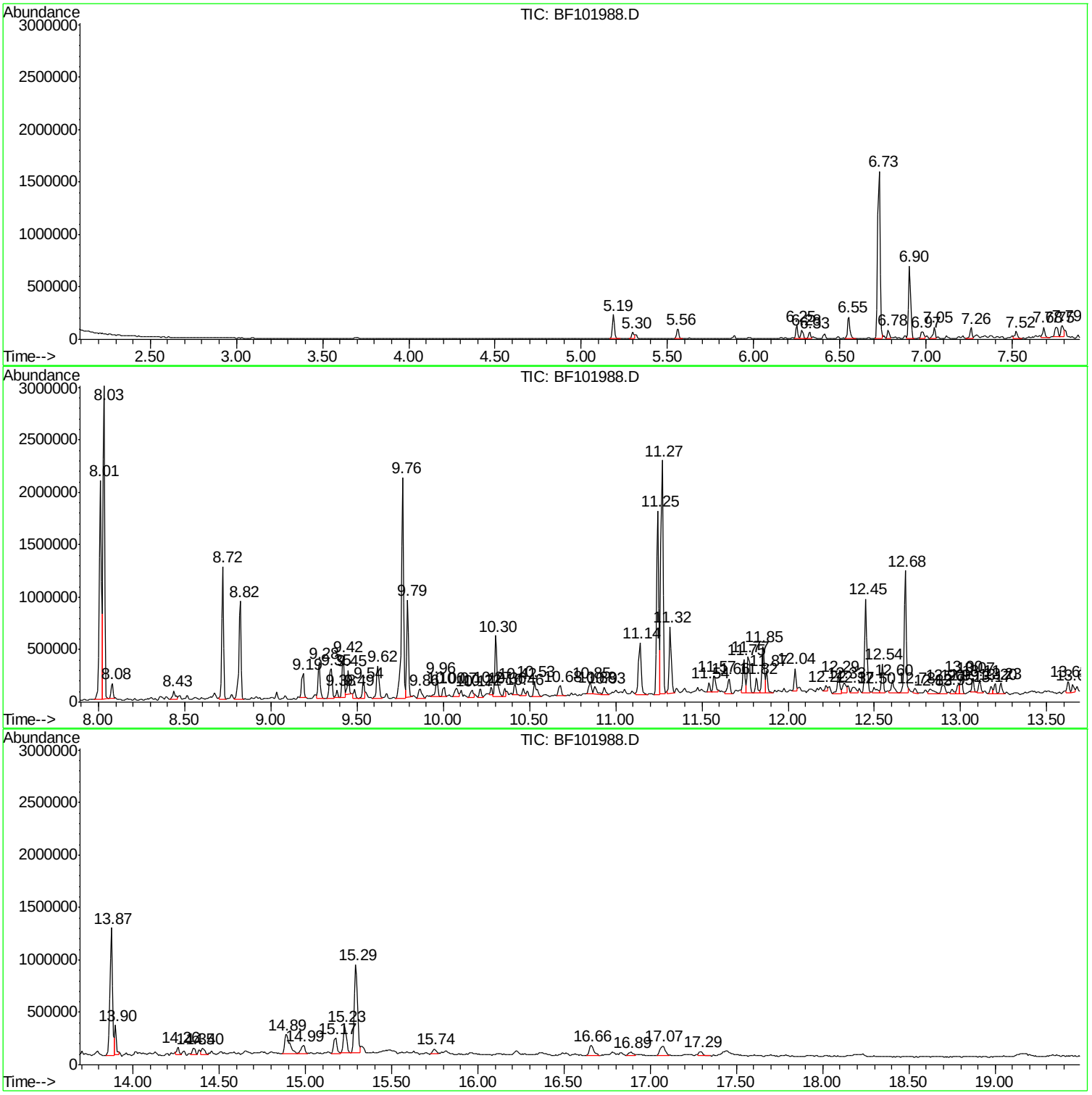
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

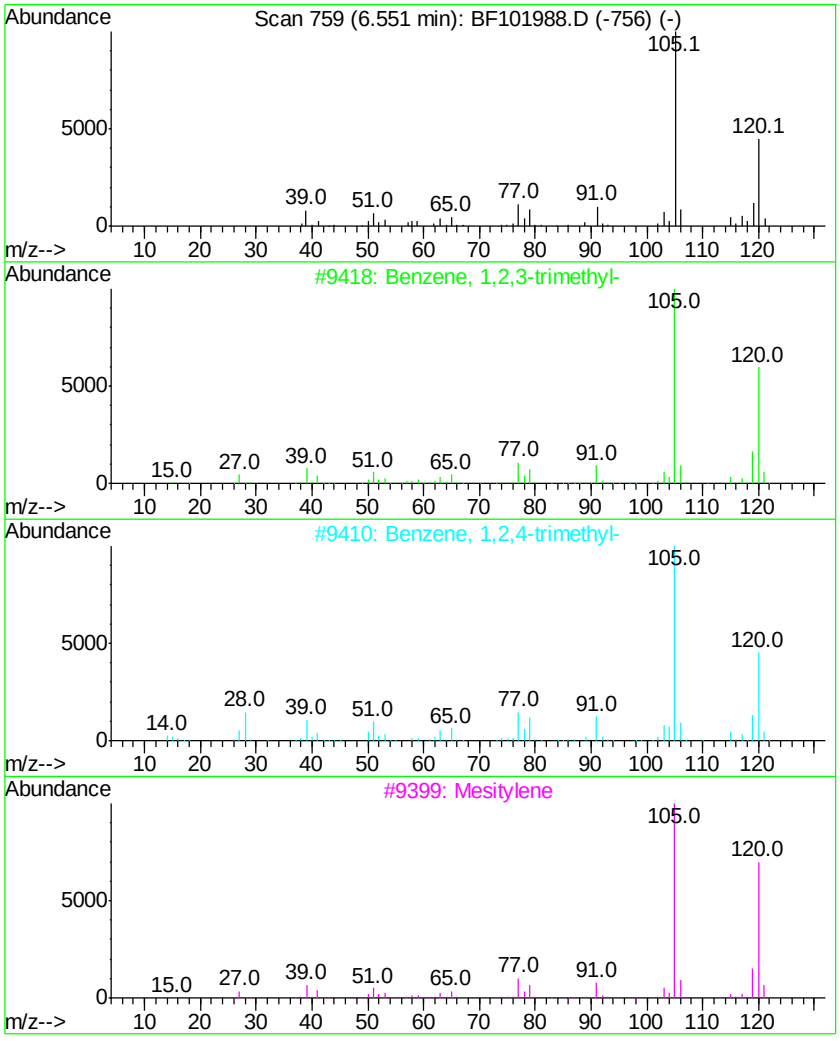
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

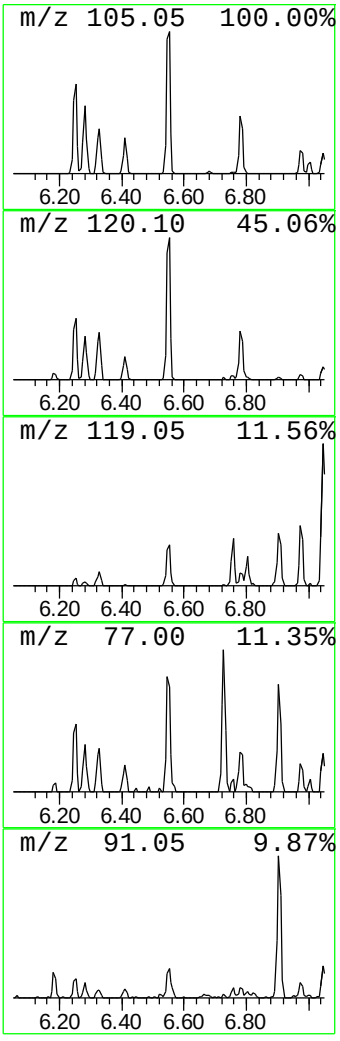
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	3.25 ng	217061	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

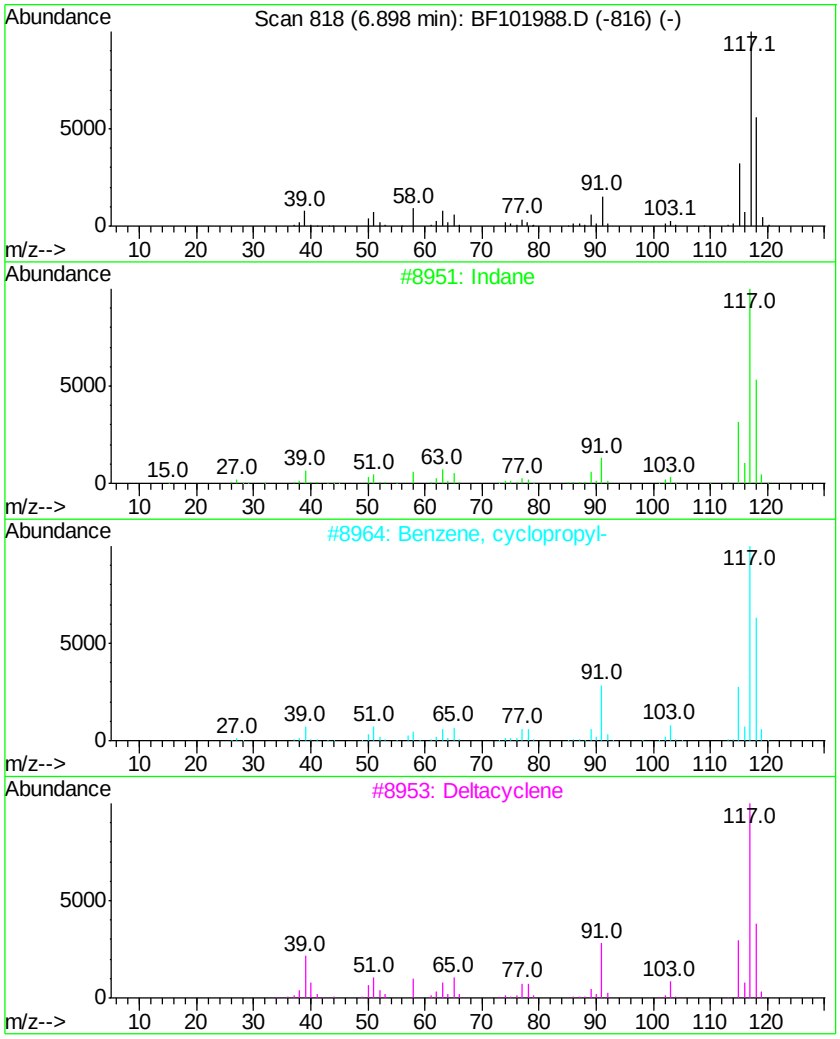
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

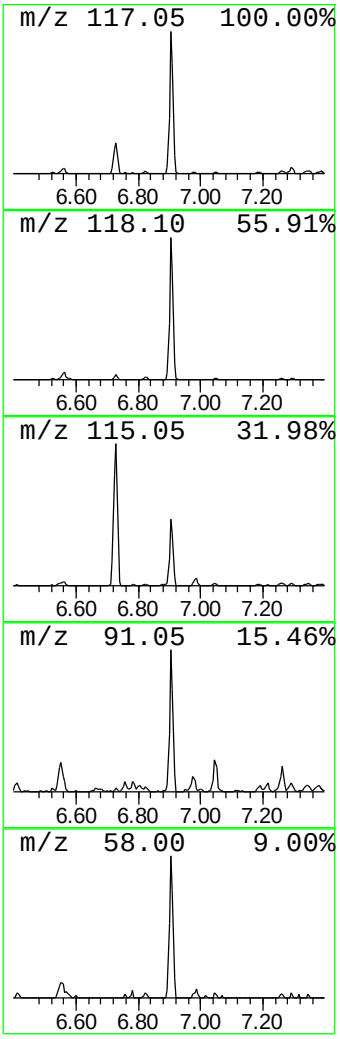
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	8.50 ng	567589	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Deltacyclene	118	C9H10	007785-10-6	80
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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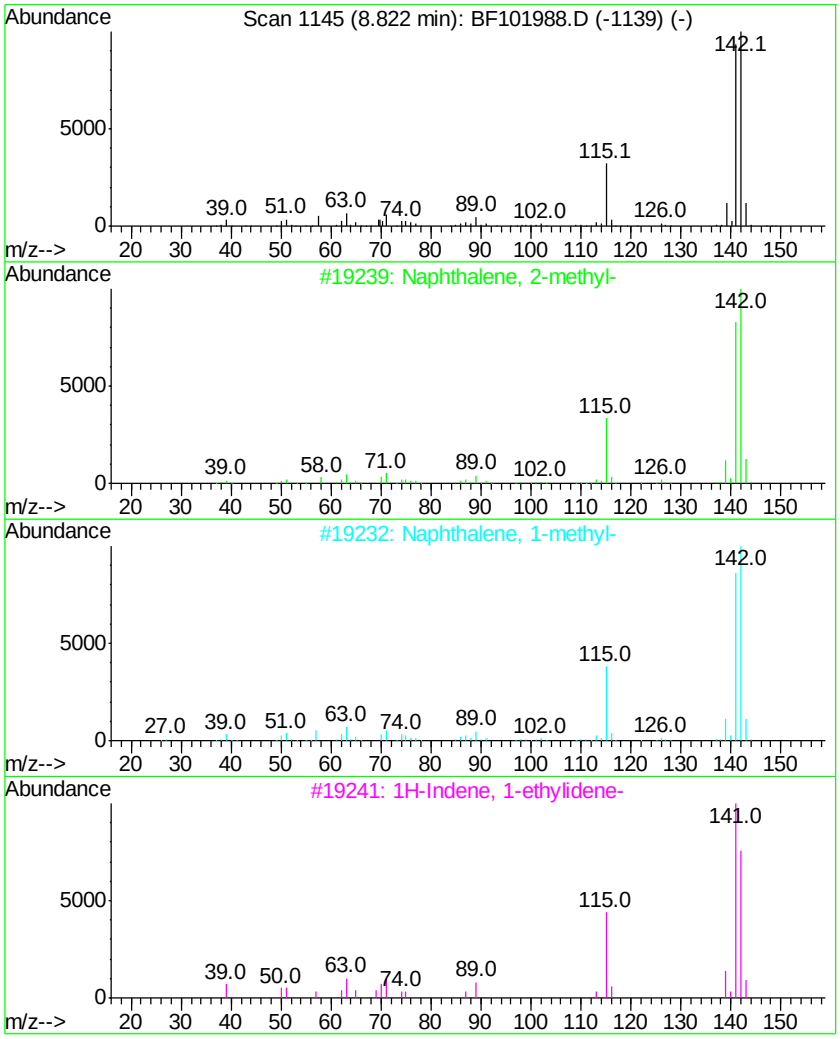
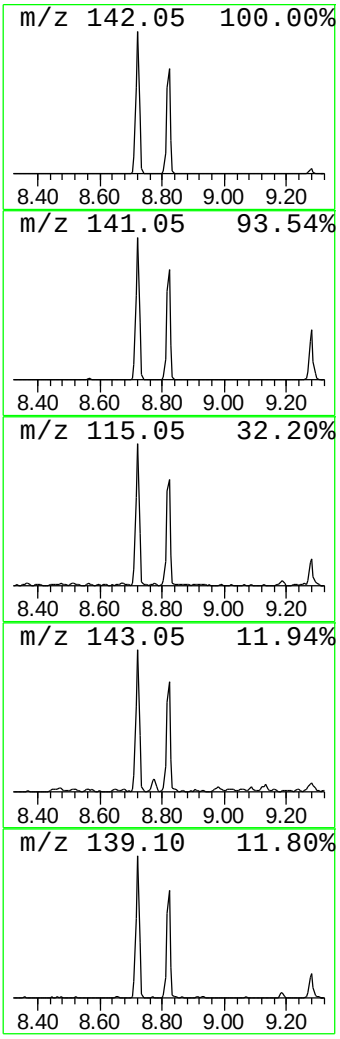
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	8.00 ng	833202	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	95
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

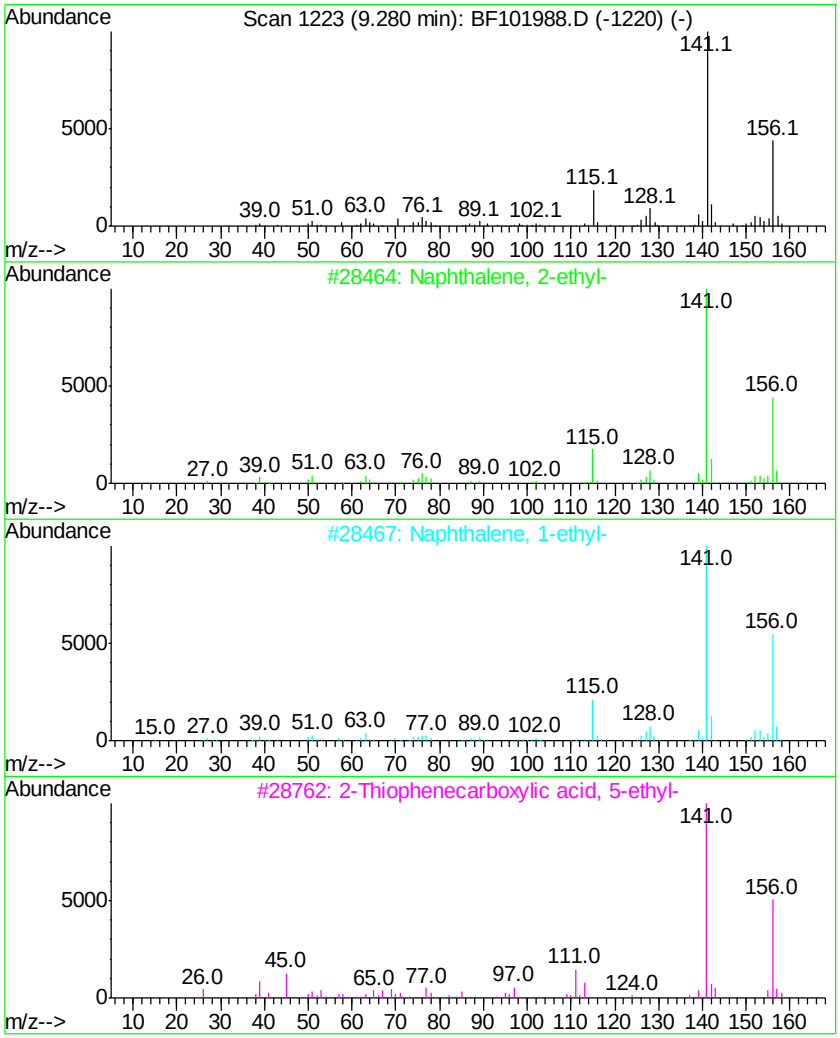
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

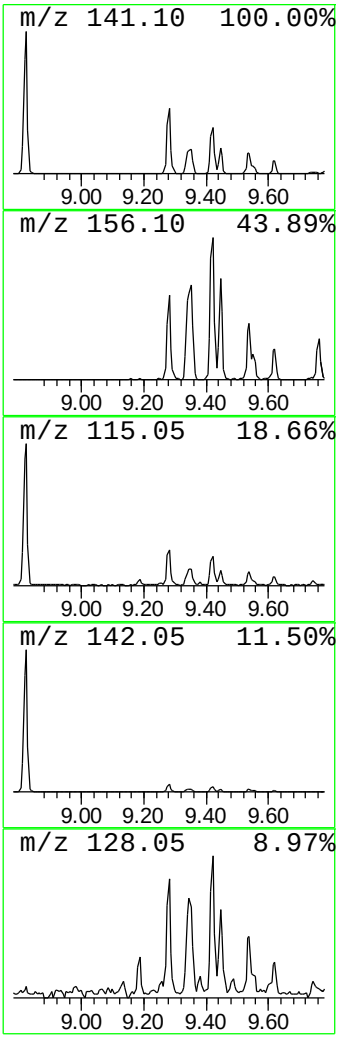
****

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	3.37 ng	320456	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	80
4	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	64
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	50





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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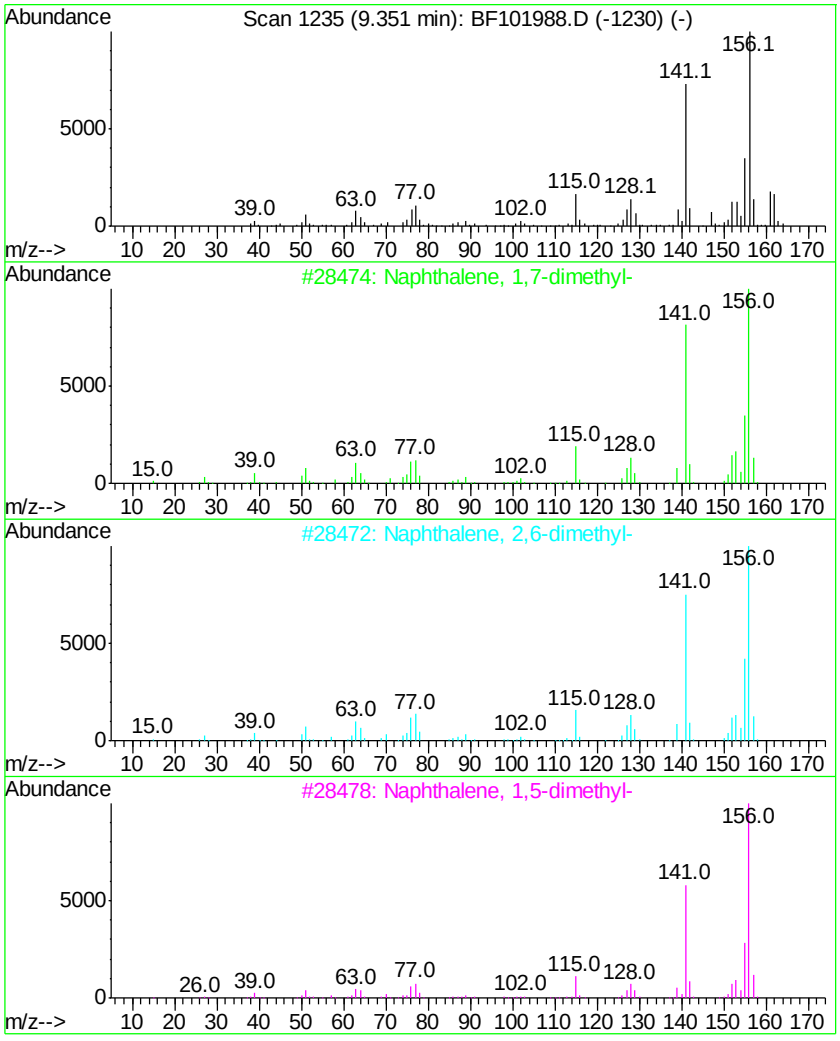
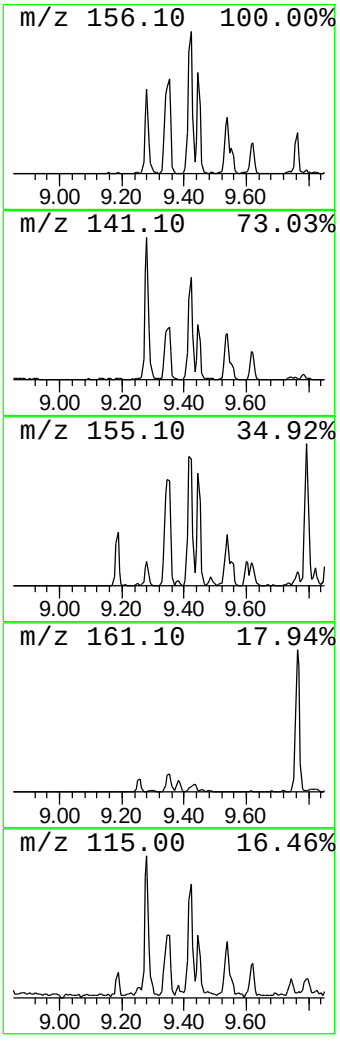
Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.90 ng	370594	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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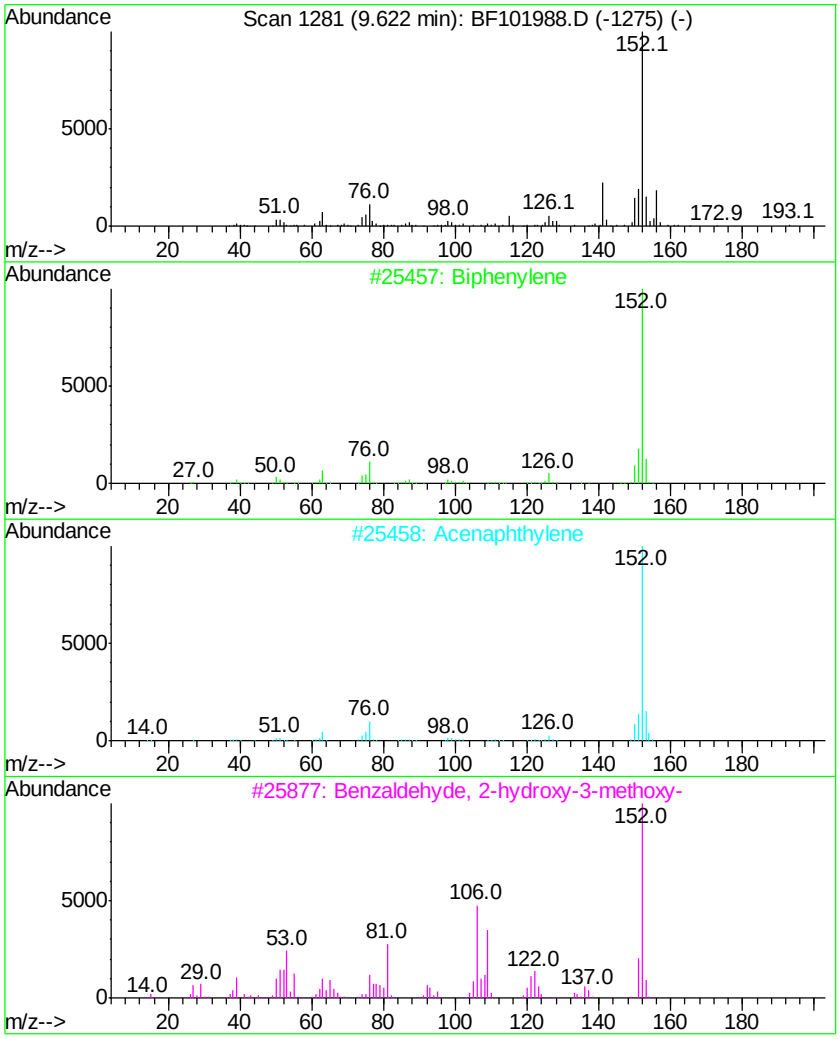
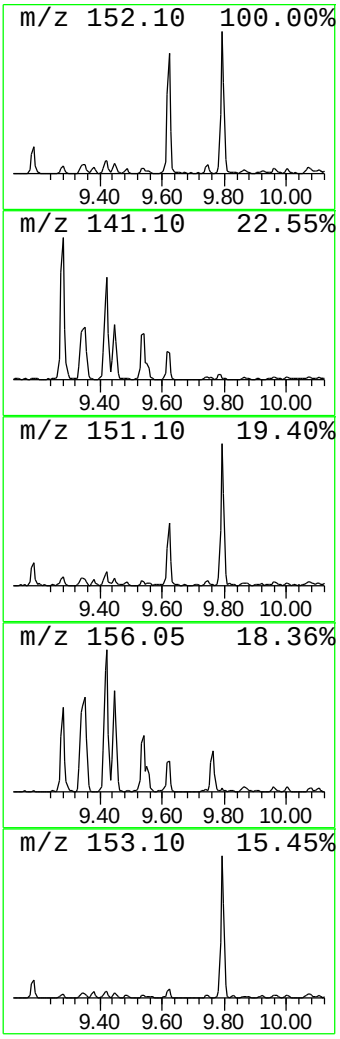
Peak Number 8 Biphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	2.86 ng	272102	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	94
2	Acenaphthylene	152	C12H8	000208-96-8	76
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	49
4	(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	42
5	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	38





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Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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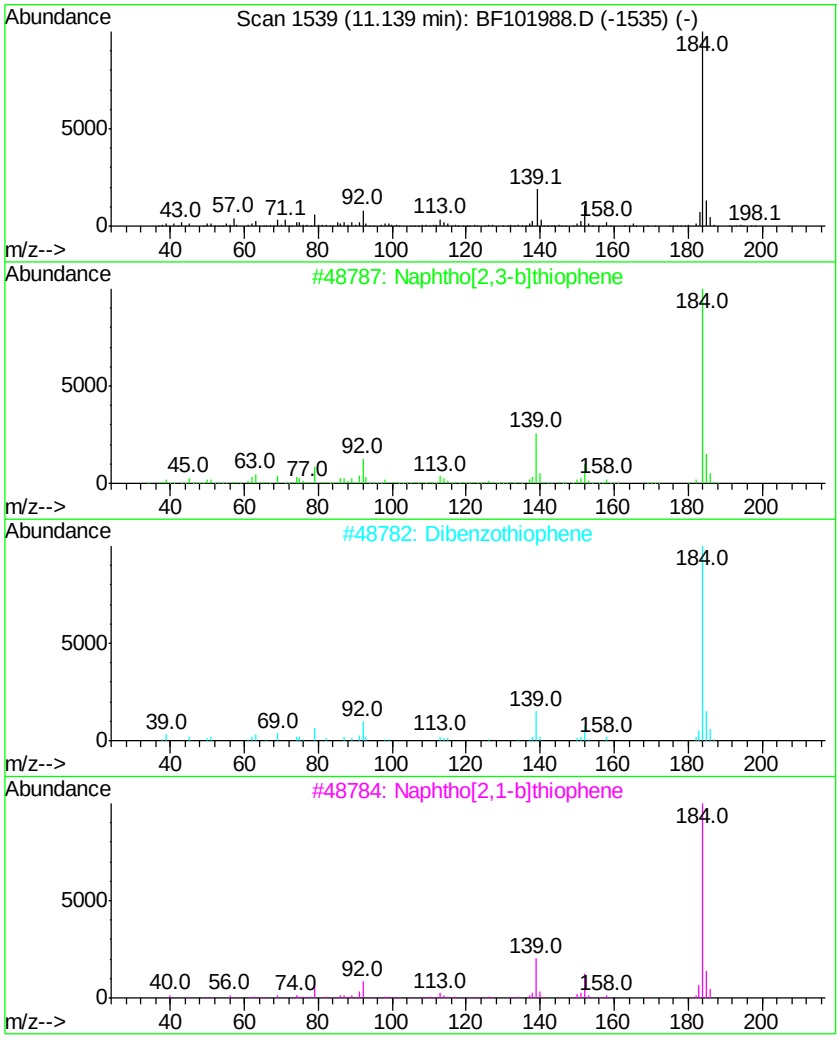
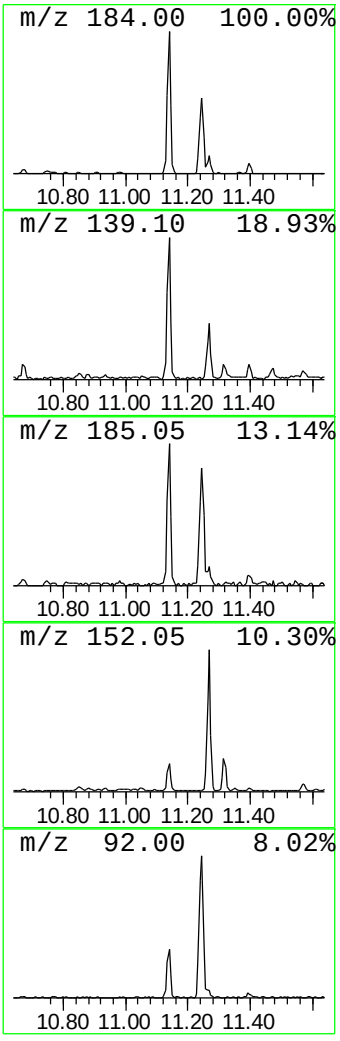
Peak Number 10 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	5.61 ng	467035	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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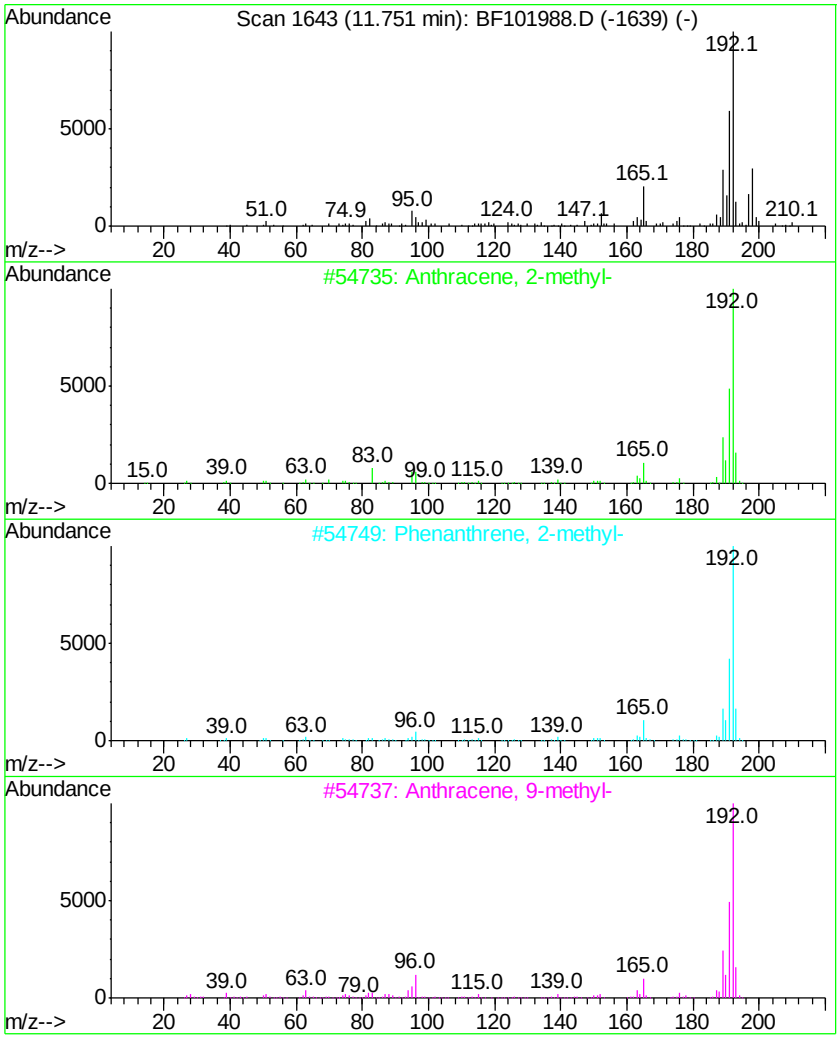
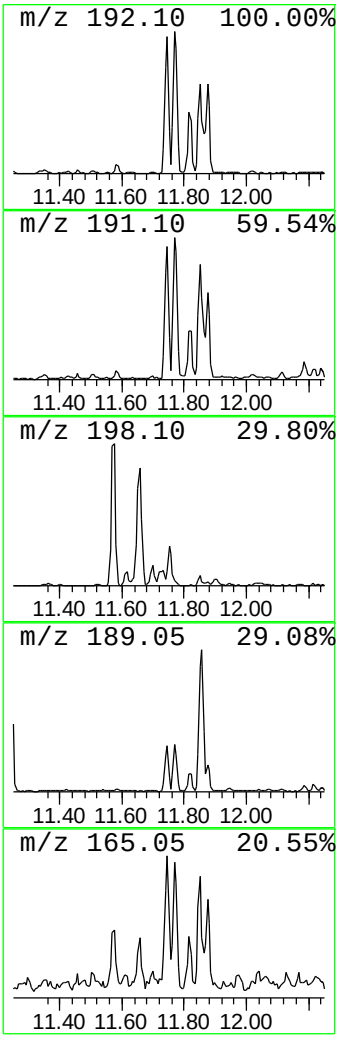
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.79 ng	314905	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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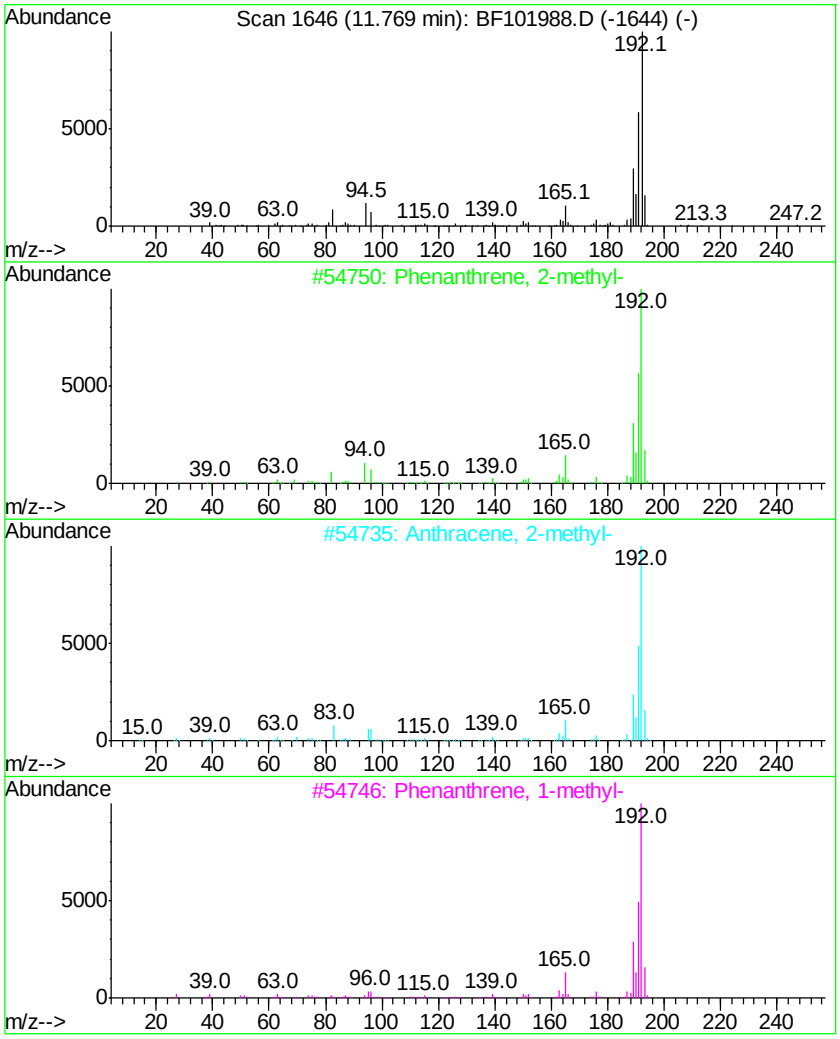
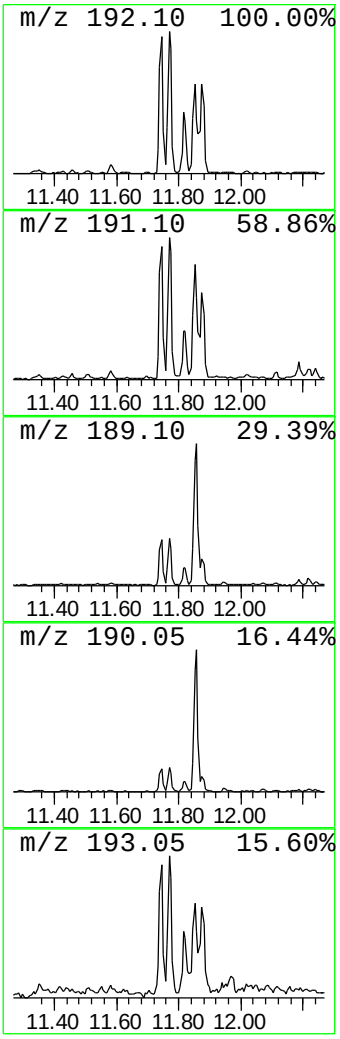
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.68 ng	306019	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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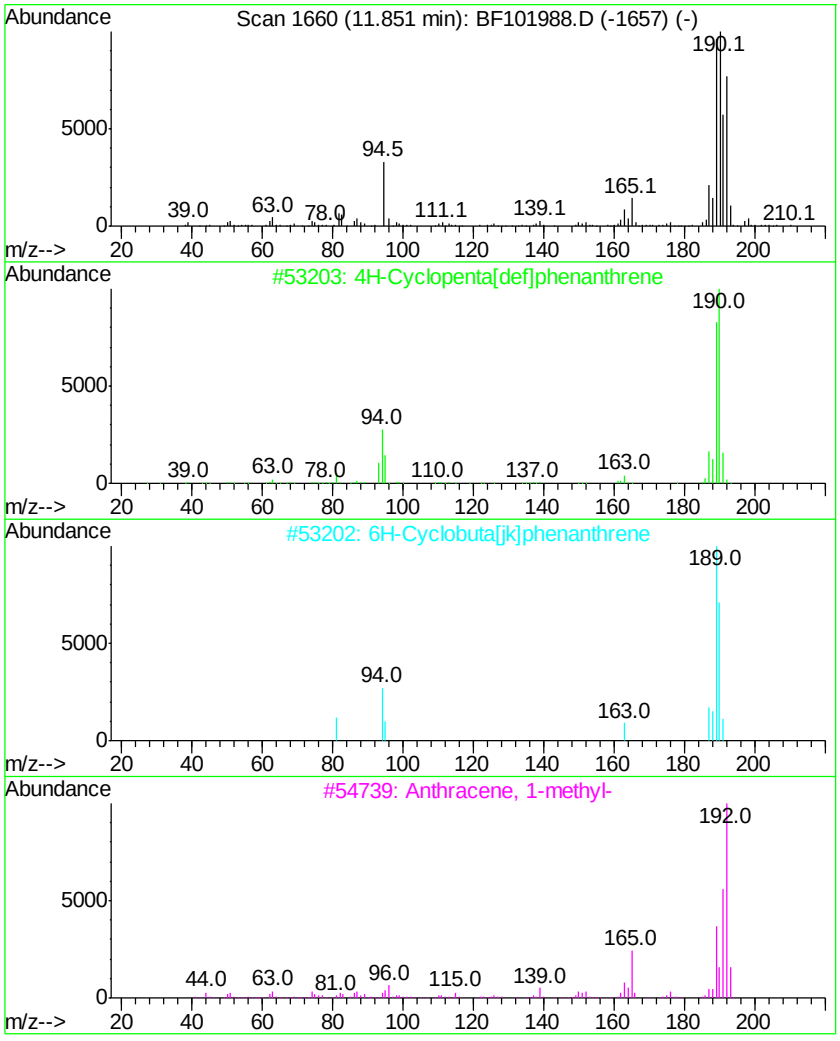
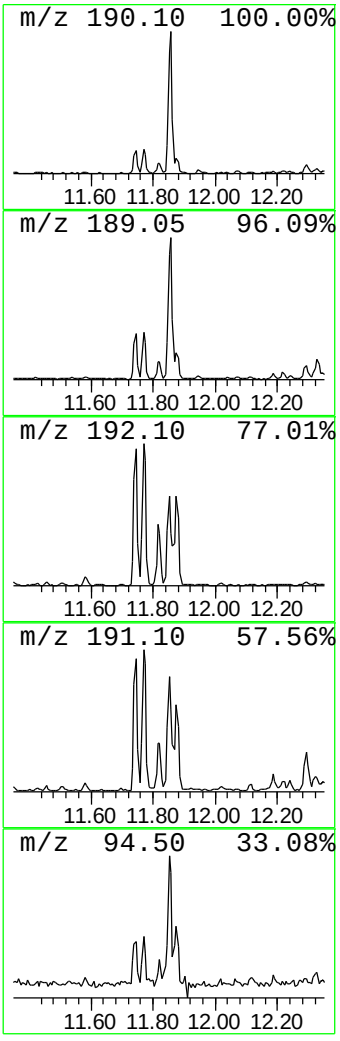
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	6.07 ng	505142	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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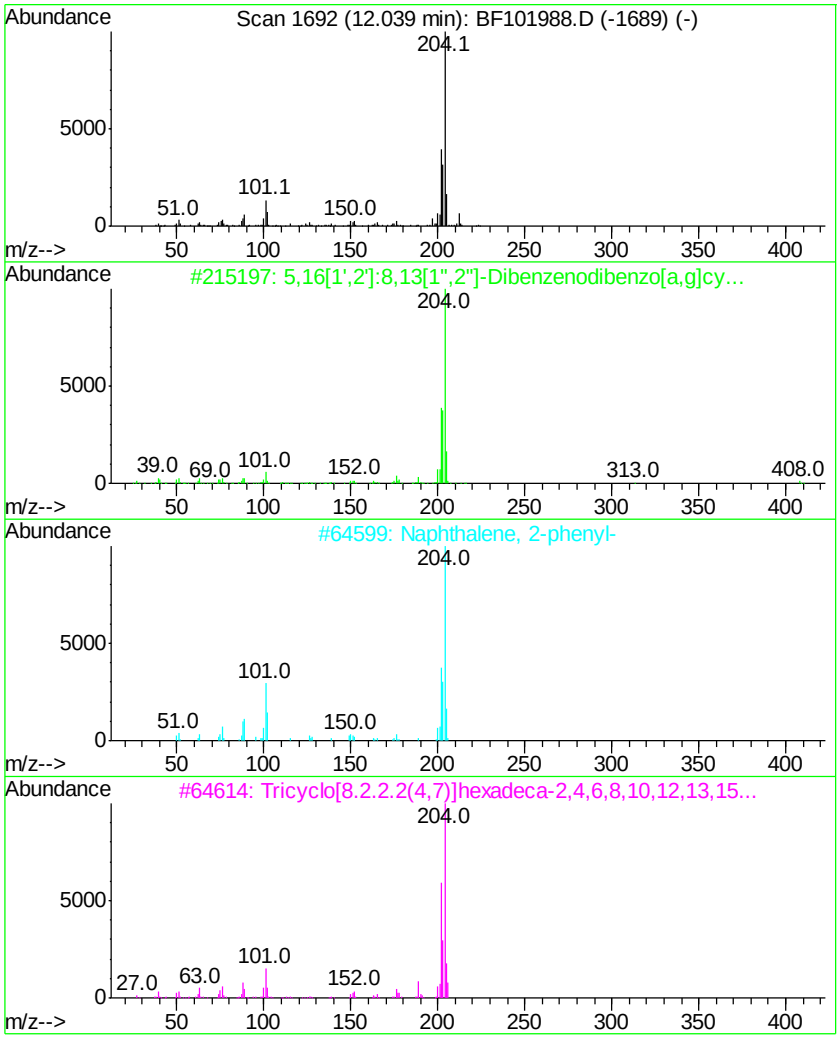
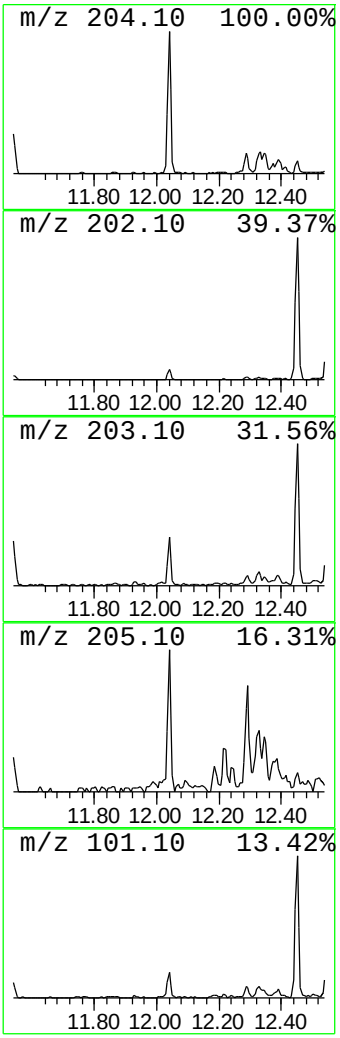
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.10 ng	174634	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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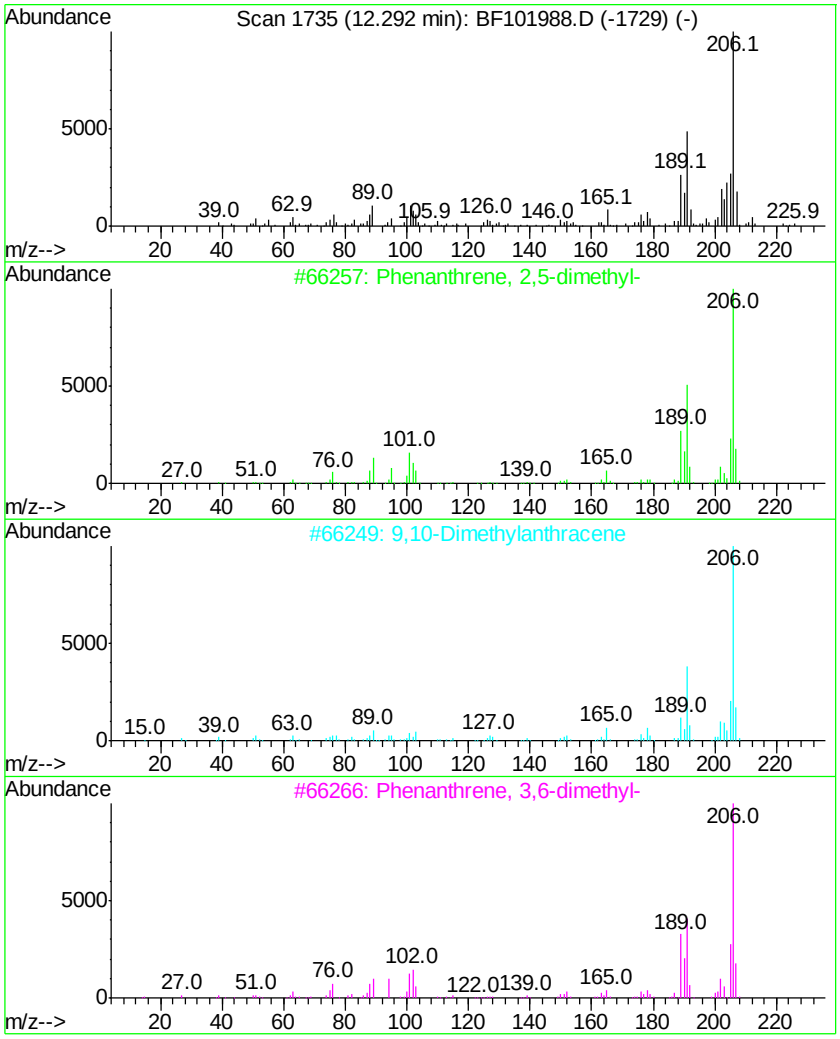
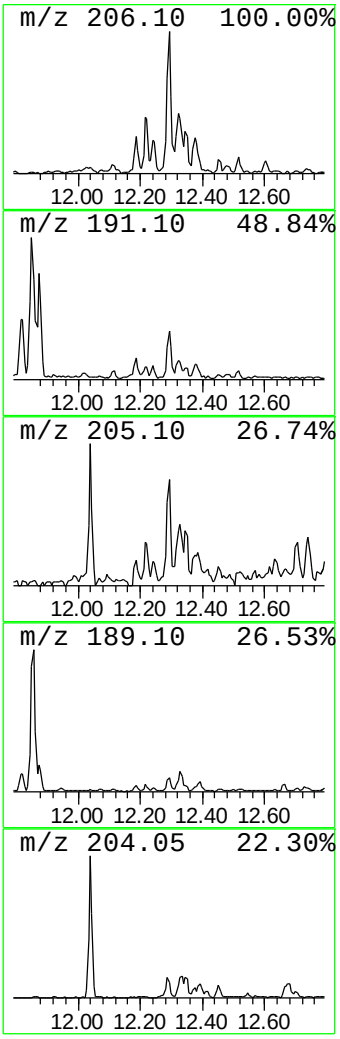
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.38 ng	197593	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





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Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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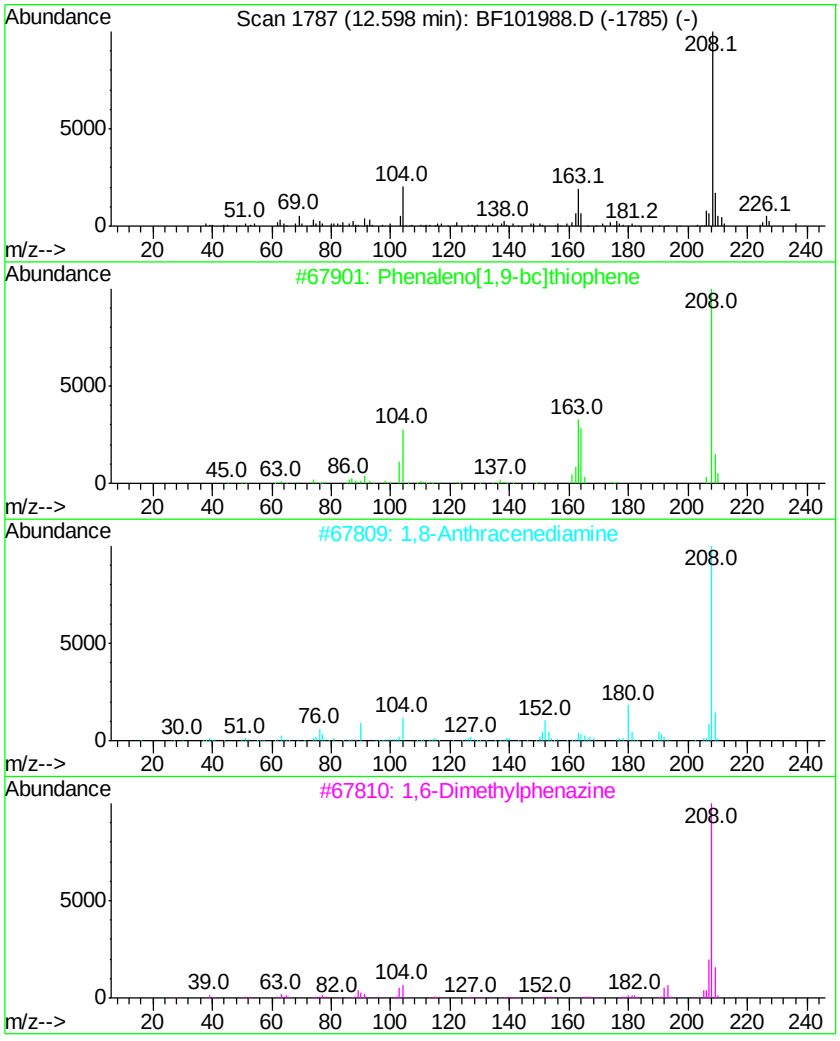
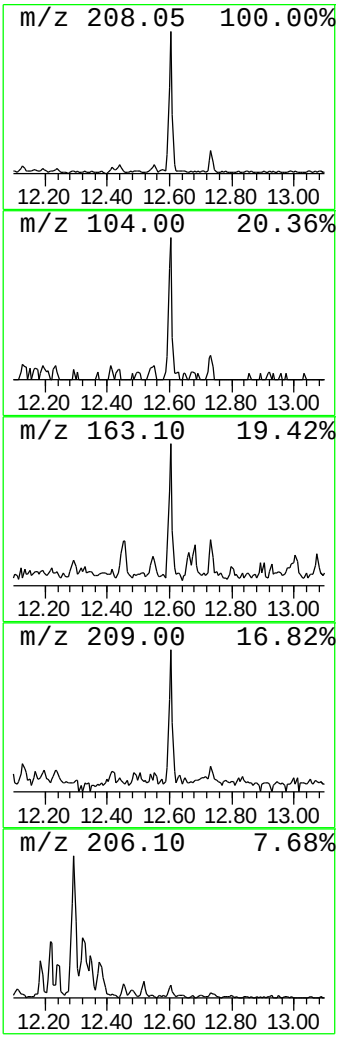
Peak Number 17 Phenaleno[1,9-bc]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.23 ng	154043	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	74
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	72
3	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	59
4	1H-Pyrrolo[2,3-b]pyridine, 4-met...	208	C14H12N2	023688-50-8	53
5	Thiourea, N-(2-methylpropyl)-N'-...	208	C11H16N2S	016275-53-9	53





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Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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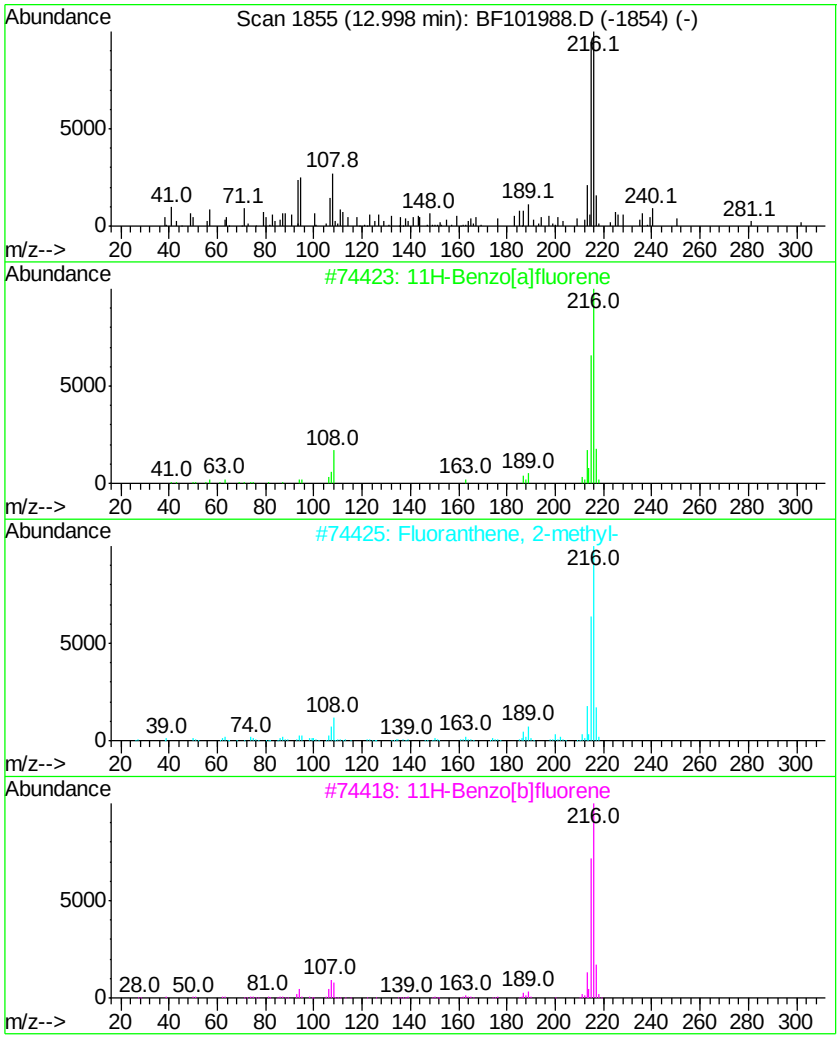
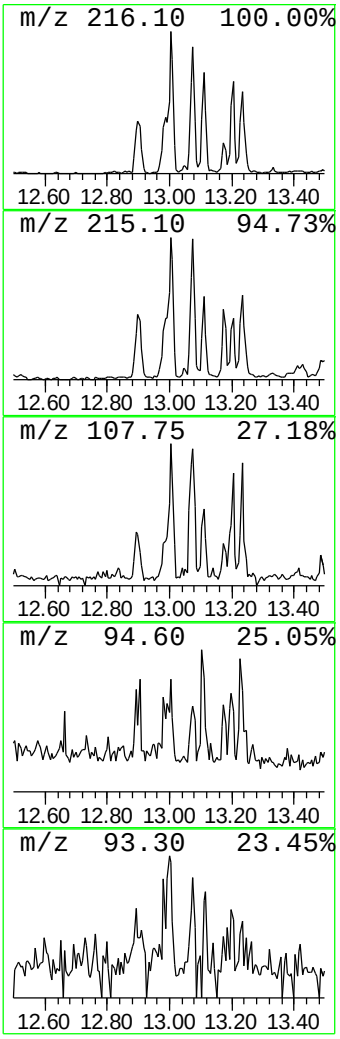
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.38 ng	164368	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,2,3-tr...	6.55	3.3	ng	217061	1	6.73	1335430	20.0
Indane	6.90	8.5	ng	567589	1	6.73	1335430	20.0
Naphthalene, 1-me...	8.82	8.0	ng	833202	2	8.01	2081980	20.0
Naphthalene, 2-et...	9.28	3.4	ng	320456	3	9.76	1902380	20.0
Naphthalene, 1,7-...	9.35	3.9	ng	370594	3	9.76	1902380	20.0
Biphenylene	9.62	2.9	ng	272102	3	9.76	1902380	20.0
Naphtho[2,3-b]thi...	11.14	5.6	ng	467035	4	11.25	1663900	20.0
Anthracene, 2-met...	11.75	3.8	ng	314905	4	11.25	1663900	20.0
Phenanthrene, 2-m...	11.77	3.7	ng	306019	4	11.25	1663900	20.0
4H-Cyclopenta[def...	11.85	6.1	ng	505142	4	11.25	1663900	20.0
5,16[1',2']:8,13[...	12.04	2.1	ng	174634	4	11.25	1663900	20.0
Phenanthrene, 2,5...	12.29	2.4	ng	197593	4	11.25	1663900	20.0
Phenaleno[1,9-bc]...	12.60	2.2	ng	154043	5	13.87	1383330	20.0
11H-Benzo[a]fluorene	13.00	2.4	ng	164368	5	13.87	1383330	20.0