

Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
 Data File : BF101996.D
 Acq On : 10 Jan 2018 23:03
 Operator : SJ/JU
 Sample : J1076-13 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-50-01

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	6.357	722	726	730	rVB	537269	472402	4.05%	0.513%
2	6.551	756	759	762	rBV2	179679	185184	1.59%	0.201%
3	6.728	785	789	792	rBV	1514231	1292560	11.07%	1.404%
4	6.987	828	833	836	rBV	1701206	1561428	13.38%	1.696%
5	7.128	853	857	862	rBV	542228	527743	4.52%	0.573%
6	7.757	959	964	967	rBV3	176652	214998	1.84%	0.234%
7	7.792	967	970	975	rVB	289776	309155	2.65%	0.336%
8	8.039	1002	1012	1015	rBV2	7674518	11673832	100.00%	12.681%
9	8.081	1015	1019	1023	rVV	530490	418649	3.59%	0.455%
10	8.357	1063	1066	1070	rBV	371656	316524	2.71%	0.344%
11	8.651	1111	1116	1118	rBV	212196	203237	1.74%	0.221%
12	8.722	1123	1128	1131	rBV	3624822	3140203	26.90%	3.411%
13	8.775	1133	1137	1139	rBV	186901	173388	1.49%	0.188%
14	8.822	1139	1145	1148	rVV	2186289	1867089	15.99%	2.028%
15	9.186	1203	1207	1210	rVB	910612	800495	6.86%	0.870%
16	9.281	1220	1223	1228	rVB2	126180	174984	1.50%	0.190%
17	9.345	1228	1234	1238	rBV	566883	777447	6.66%	0.845%
18	9.422	1242	1247	1249	rBV	795447	821484	7.04%	0.892%
19	9.445	1249	1251	1255	rVB	553633	455026	3.90%	0.494%
20	9.486	1255	1258	1261	rVB	320359	266633	2.28%	0.290%
21	9.533	1261	1266	1268	rBV2	364926	366200	3.14%	0.398%
22	9.622	1277	1281	1284	rBV	2780470	2266901	19.42%	2.463%
23	9.763	1298	1305	1307	rBV2	1949012	2001168	17.14%	2.174%
24	9.792	1307	1310	1313	rVV	1087248	905505	7.76%	0.984%
25	9.963	1333	1339	1343	rVB	2211647	2076930	17.79%	2.256%
26	10.069	1354	1357	1361	rBV2	204902	276554	2.37%	0.300%
27	10.104	1361	1363	1369	rVB2	181816	173811	1.49%	0.189%
28	10.210	1379	1381	1384	rVB	290301	225897	1.94%	0.245%
29	10.257	1384	1389	1391	rBV3	105314	173034	1.48%	0.188%
30	10.310	1394	1398	1403	rVB	3663648	3238170	27.74%	3.518%
31	10.416	1413	1416	1419	rVV2	250097	281365	2.41%	0.306%
32	10.463	1421	1424	1426	rVV	599246	510149	4.37%	0.554%
33	10.486	1426	1428	1432	rVV	180300	177143	1.52%	0.192%
34	10.528	1432	1435	1436	rVV	596731	464920	3.98%	0.505%

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101996.D
 Acq On : 10 Jan 2018 23:03
 Operator : SJ/JU
 Sample : J1076-13 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-50-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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	10.545	1436	1438	1442	rVV	580129	625070	5.35%	0.679%
36	10.851	1482	1490	1493	rBV2	508920	624433	5.35%	0.678%
37	10.880	1493	1495	1498	rVV	232681	186375	1.60%	0.202%
38	10.933	1501	1504	1509	rVV2	259525	269103	2.31%	0.292%
39	11.004	1514	1516	1521	rVV	200670	250374	2.14%	0.272%
40	11.051	1521	1524	1527	rVV3	263086	276877	2.37%	0.301%
41	11.092	1527	1531	1534	rVV	183870	210326	1.80%	0.228%
42	11.139	1534	1539	1545	rVB	969519	908551	7.78%	0.987%
43	11.245	1553	1557	1559	rBV	1403474	1691223	14.49%	1.837%
44	11.280	1559	1563	1565	rVV	6113103	6801332	58.26%	7.388%
45	11.322	1565	1570	1573	rVV	3060222	2617375	22.42%	2.843%
46	11.351	1573	1575	1578	rVB	201352	176023	1.51%	0.191%
47	11.475	1593	1596	1599	rVB	983451	728218	6.24%	0.791%
48	11.539	1604	1607	1610	rVV2	265869	230642	1.98%	0.251%
49	11.575	1610	1613	1617	rVB3	261831	275200	2.36%	0.299%
50	11.657	1624	1627	1631	rVB	238698	262068	2.24%	0.285%
51	11.745	1636	1642	1644	rVV	1069476	965054	8.27%	1.048%
52	11.774	1644	1647	1650	rVB	1220759	1089735	9.33%	1.184%
53	11.822	1651	1655	1657	rBV	508284	470202	4.03%	0.511%
54	11.857	1657	1661	1663	rVV	1697643	1727007	14.79%	1.876%
55	11.874	1663	1664	1668	rVB	593912	454296	3.89%	0.494%
56	12.039	1689	1692	1694	rBV	675885	539672	4.62%	0.586%
57	12.292	1729	1735	1738	rBV	421640	519366	4.45%	0.564%
58	12.327	1738	1741	1743	rVV	279061	313654	2.69%	0.341%
59	12.374	1747	1749	1754	rVB3	154672	233961	2.00%	0.254%
60	12.457	1758	1763	1766	rBV	4062763	4125921	35.34%	4.482%
61	12.545	1775	1778	1781	rVB	879210	711993	6.10%	0.773%
62	12.604	1781	1788	1795	rVB3	228019	386296	3.31%	0.420%
63	12.686	1795	1802	1805	rBV2	3517160	3932347	33.69%	4.272%
64	12.727	1807	1809	1814	rVB3	223230	247489	2.12%	0.269%
65	12.798	1817	1821	1824	rBV	311293	291703	2.50%	0.317%
66	12.833	1824	1827	1833	rVB	210250	236281	2.02%	0.257%
67	12.898	1833	1838	1841	rBV3	286274	475127	4.07%	0.516%
68	12.980	1849	1852	1854	rVV3	233449	292830	2.51%	0.318%
69	13.010	1854	1857	1860	rVB2	829288	789444	6.76%	0.858%
70	13.074	1865	1868	1871	rVV	871303	732989	6.28%	0.796%
71	13.110	1871	1874	1878	rVV2	443104	422791	3.62%	0.459%

Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
 Data File : BF101996.D
 Acq On : 10 Jan 2018 23:03
 Operator : SJ/JU
 Sample : J1076-13 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-50-01

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	13.174	1882	1885	1888	rBV2	331690	354128	3.03%	0.385%
73	13.204	1888	1890	1892	rVV	221369	175647	1.50%	0.191%
74	13.233	1892	1895	1899	rVB	263082	273237	2.34%	0.297%
75	13.410	1917	1925	1927	rBV6	123377	213588	1.83%	0.232%
76	13.621	1955	1961	1964	rBV	296187	393770	3.37%	0.428%
77	13.651	1964	1966	1968	rBV	289869	223000	1.91%	0.242%
78	13.868	1999	2003	2007	rBV2	2114322	2932150	25.12%	3.185%
79	13.904	2007	2009	2014	rVB	1526595	1284625	11.00%	1.396%
80	14.263	2065	2070	2073	rVV	397368	562379	4.82%	0.611%
81	14.292	2073	2075	2078	rVV	240240	215999	1.85%	0.235%
82	14.351	2079	2085	2088	rVV2	283657	403454	3.46%	0.438%
83	14.386	2088	2091	2092	rVV	223853	234360	2.01%	0.255%
84	14.404	2092	2094	2099	rVV3	327653	365649	3.13%	0.397%
85	14.892	2172	2177	2184	rBV	1104635	2420270	20.73%	2.629%
86	14.992	2190	2194	2197	rVB	396881	405500	3.47%	0.440%
87	15.180	2221	2226	2231	rVB	742545	920053	7.88%	0.999%
88	15.239	2231	2236	2241	rBV	1202397	1438915	12.33%	1.563%
89	15.298	2241	2246	2249	rBV	923701	1171687	10.04%	1.273%
90	15.327	2249	2251	2257	rVB2	371778	441401	3.78%	0.479%
91	15.492	2270	2279	2280	rBV2	103556	243021	2.08%	0.264%
92	15.633	2300	2303	2309	rVB3	100717	185968	1.59%	0.202%
93	15.815	2331	2334	2343	rVB3	149268	250890	2.15%	0.273%
94	16.668	2472	2479	2486	rVB2	511156	972441	8.33%	1.056%
95	16.833	2504	2507	2512	rVB	116465	187894	1.61%	0.204%
96	16.892	2512	2517	2521	rBV3	99124	174183	1.49%	0.189%
97	17.086	2543	2550	2566	rVB	378796	863001	7.39%	0.937%
98	17.298	2581	2586	2595	rVB	136908	265043	2.27%	0.288%
99	19.186	2900	2907	2922	rVB2	100545	371818	3.19%	0.404%
100	19.356	2927	2936	2944	rBV2	65883	229134	1.96%	0.249%

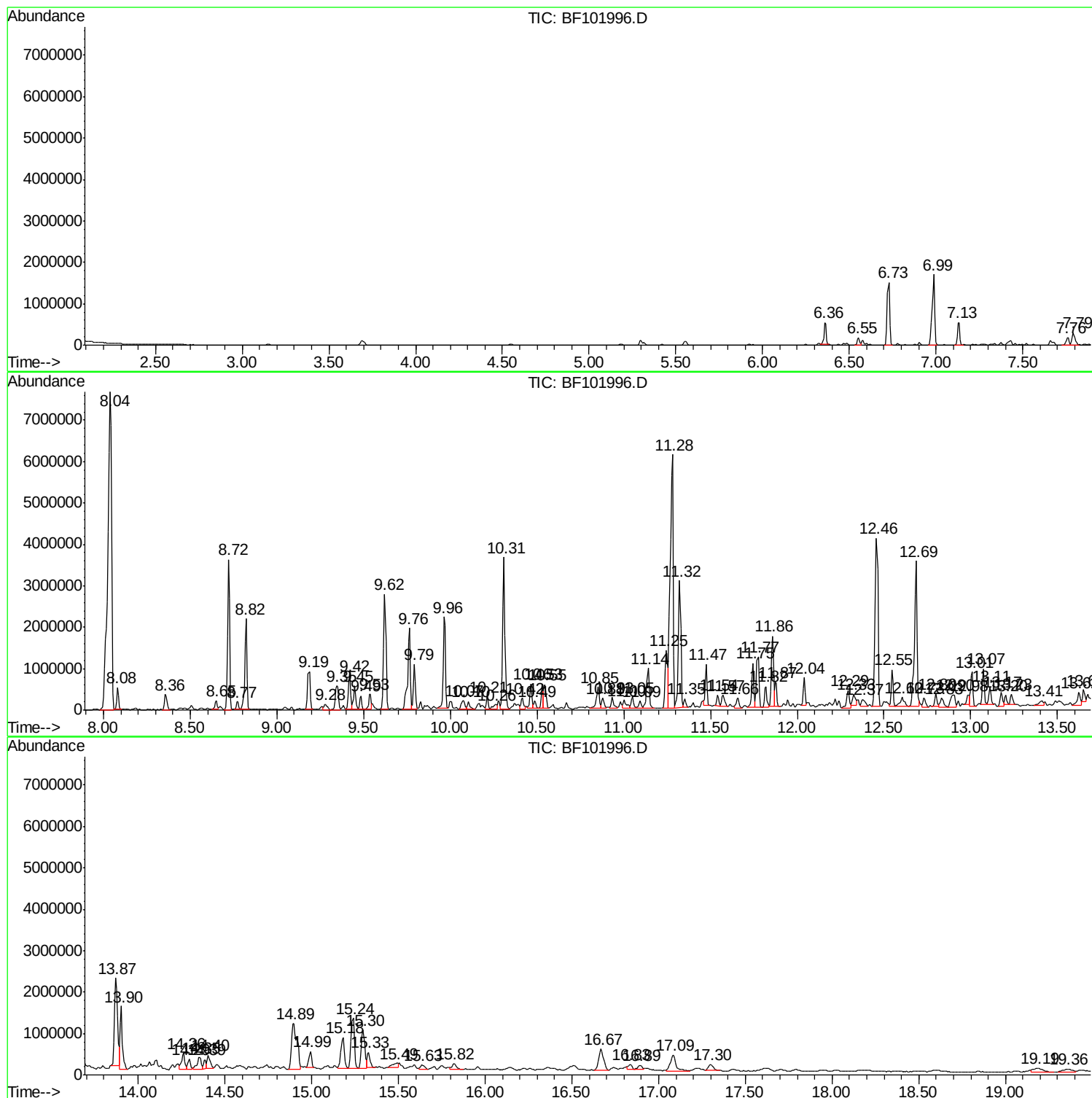
Sum of corrected areas: 92054761

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

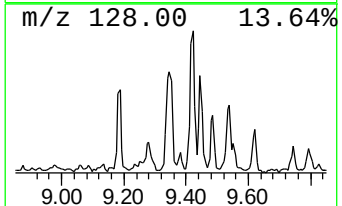
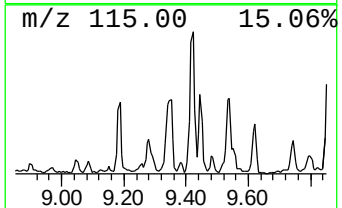
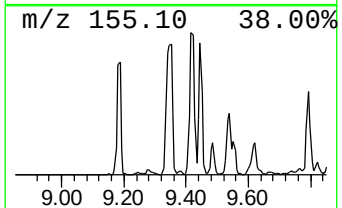
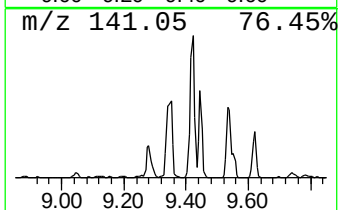
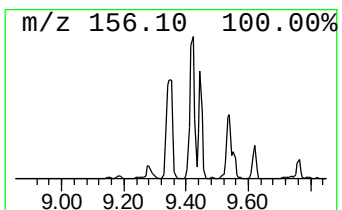
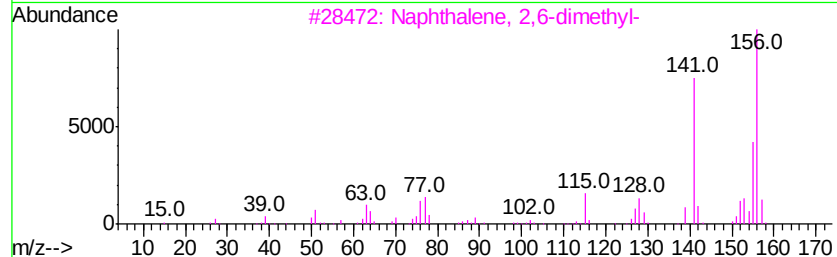
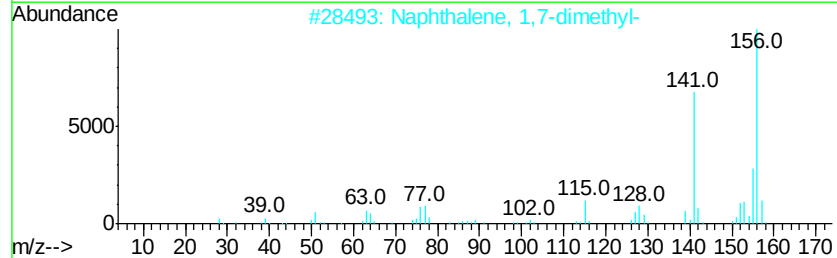
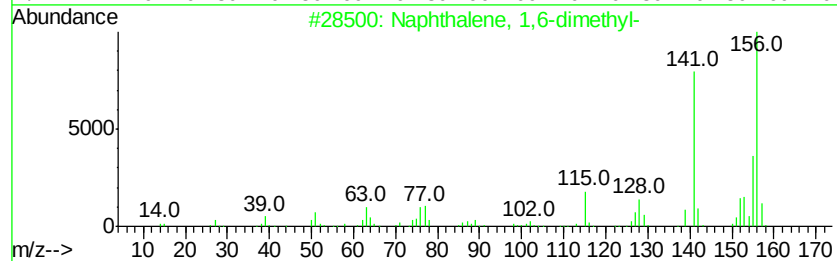
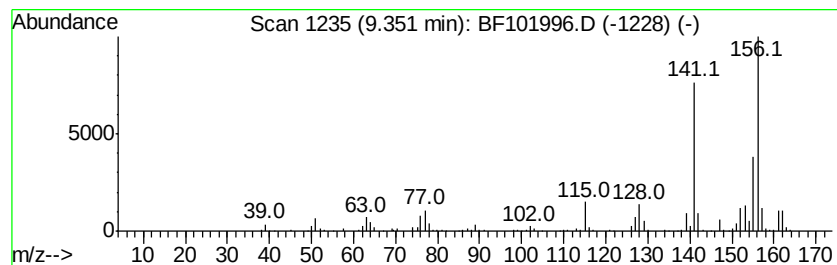
Instrument :
BNA_F
ClientSampleId :
WC-50-01

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 1 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.35	7.77 ng	777447	Acenaphthene-d10	9.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

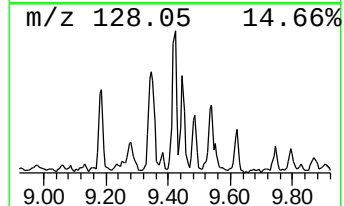
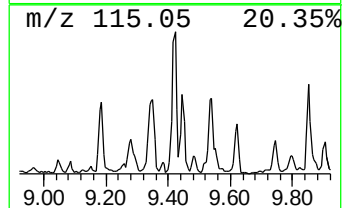
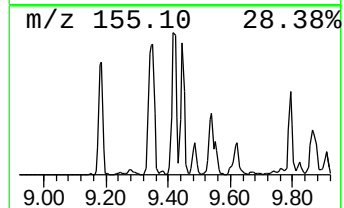
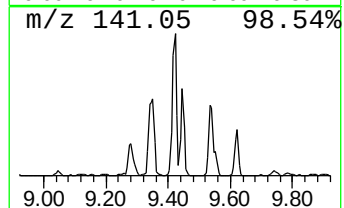
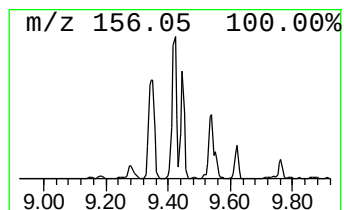
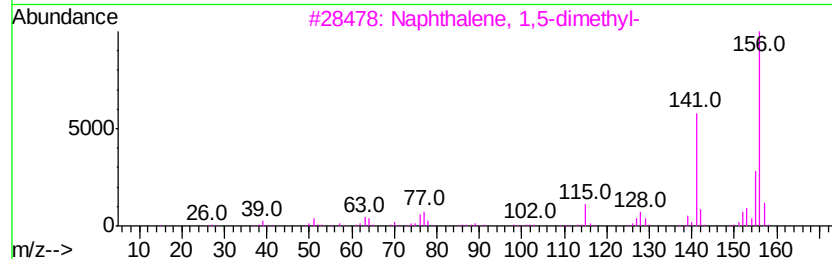
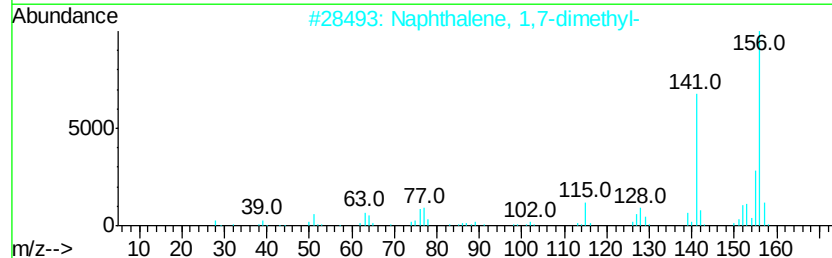
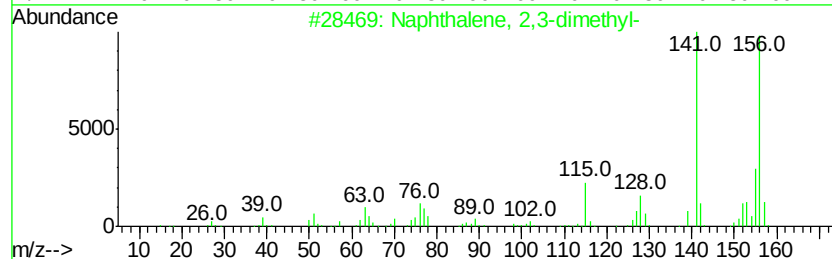
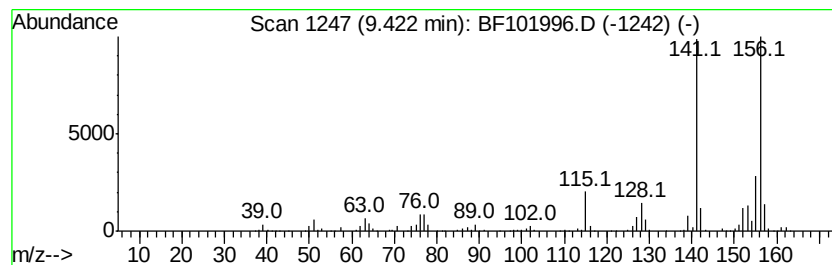
Instrument :
BNA_F
ClientSampleId :
WC-50-01

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 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.42	8.21 ng	821484	Acenaphthene-d10		9.76
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

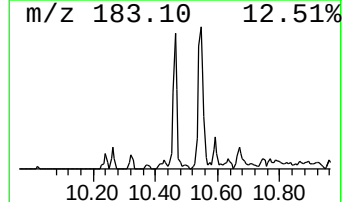
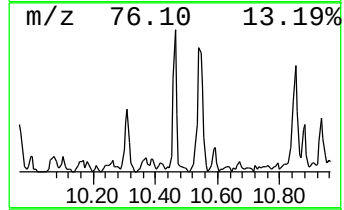
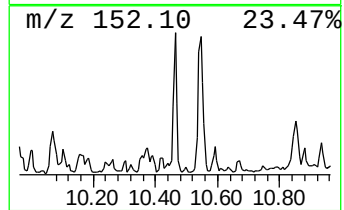
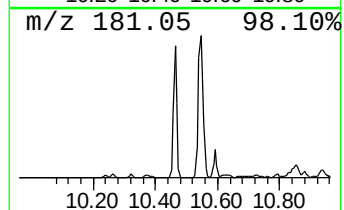
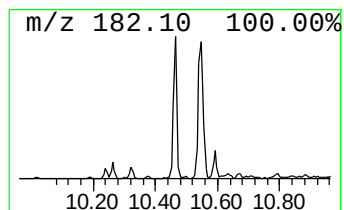
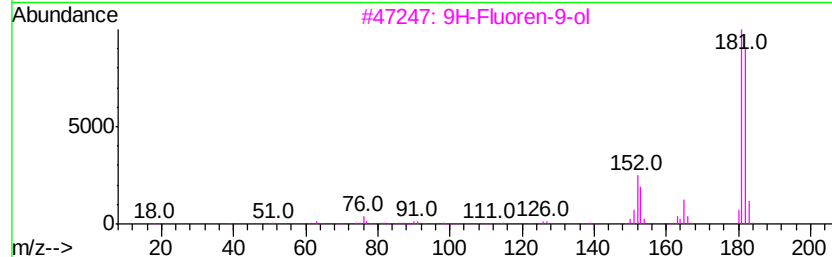
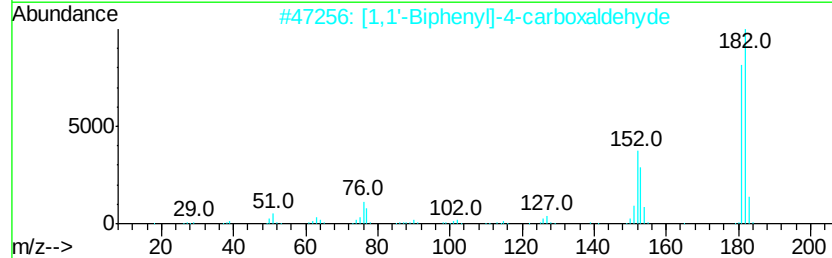
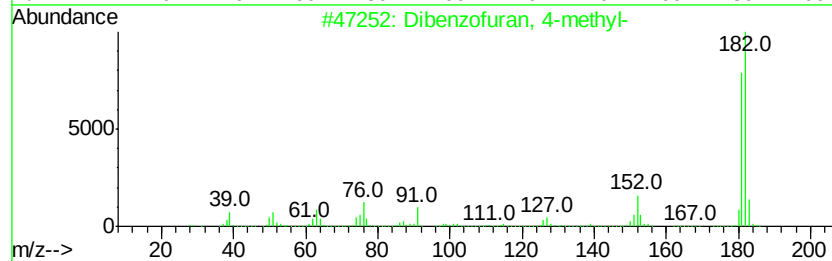
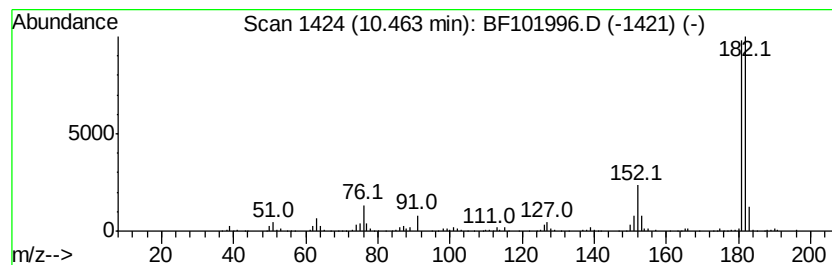
Instrument :
BNA_F
ClientSampleId :
WC-50-01

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 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.46	5.10 ng	510149	Acenaphthene-d10	9.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64
5	9H-Xanthene	182	C13H10O	000092-83-1	64



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

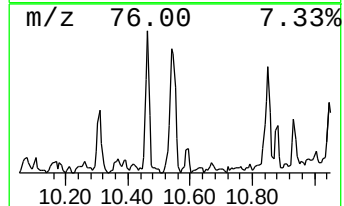
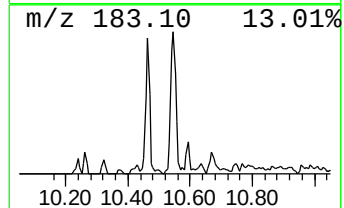
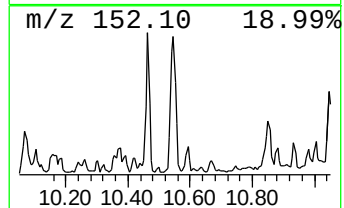
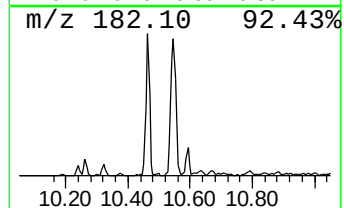
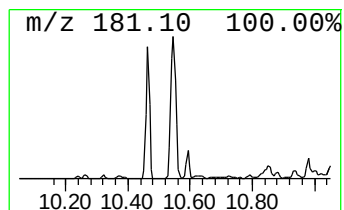
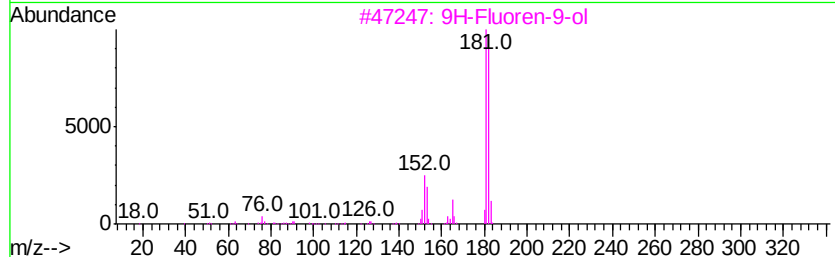
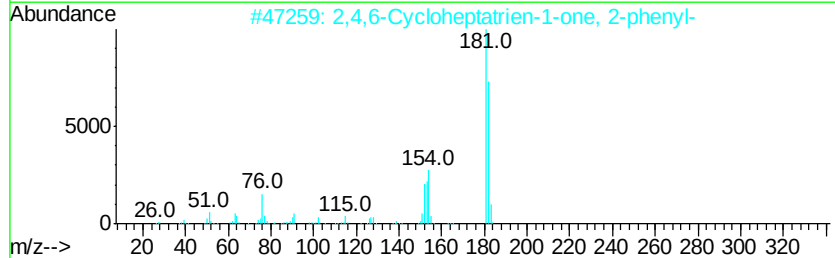
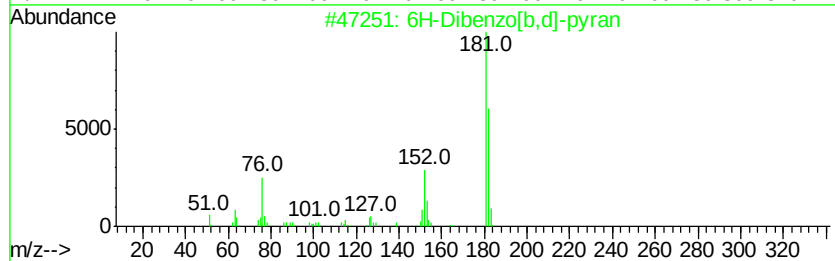
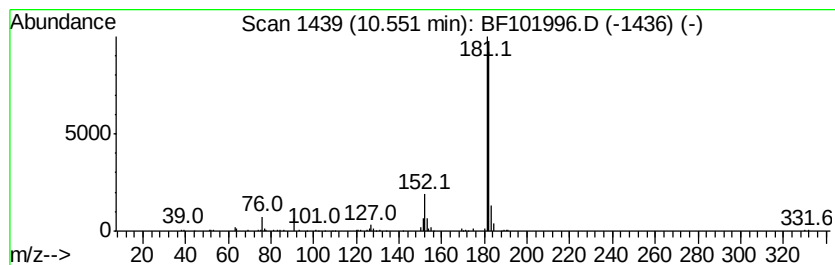
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 6H-Dibenzo[b,d]-pyran Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	7.39 ng	625070	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	62



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

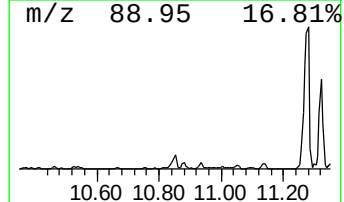
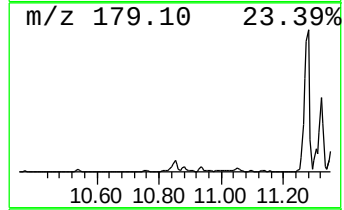
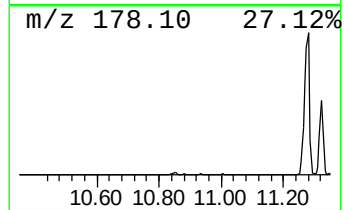
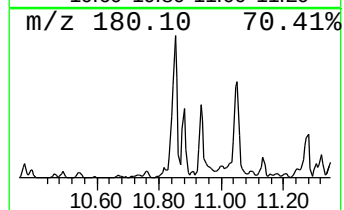
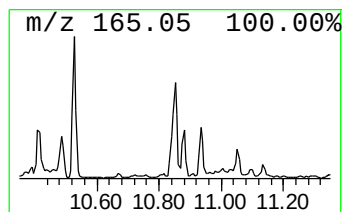
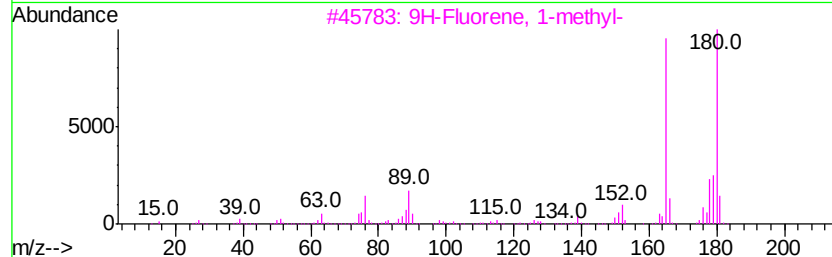
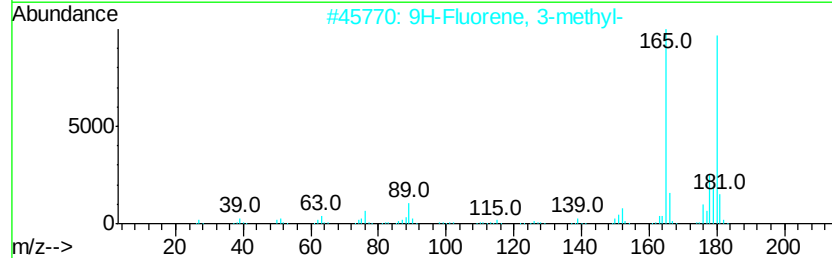
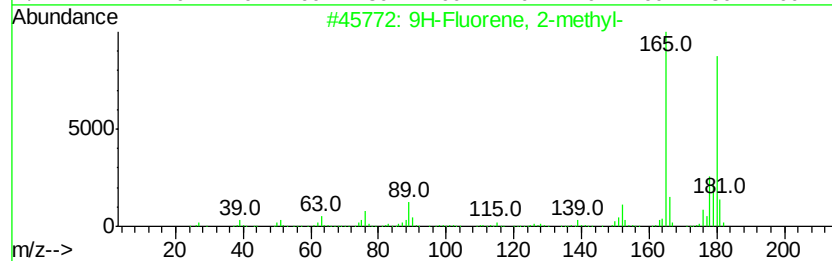
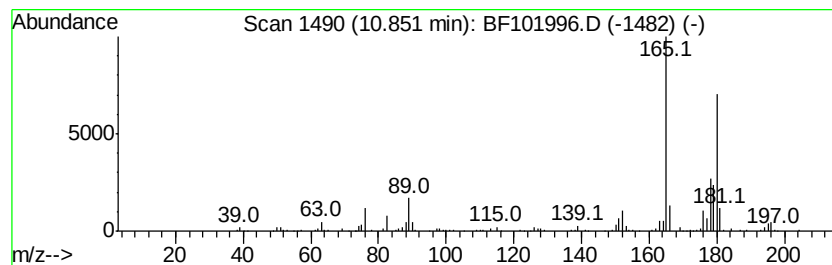
Instrument :
BNA_F
ClientSampleId :
WC-50-01

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 6 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.85	7.38 ng	624433	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	83
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

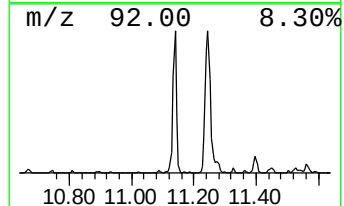
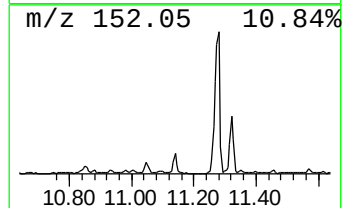
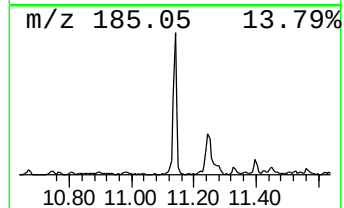
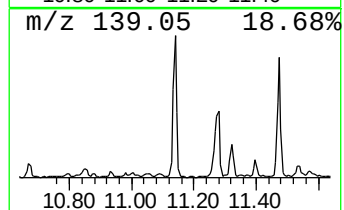
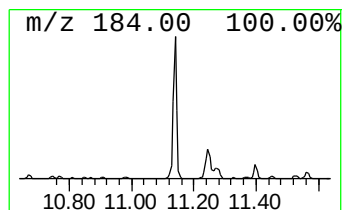
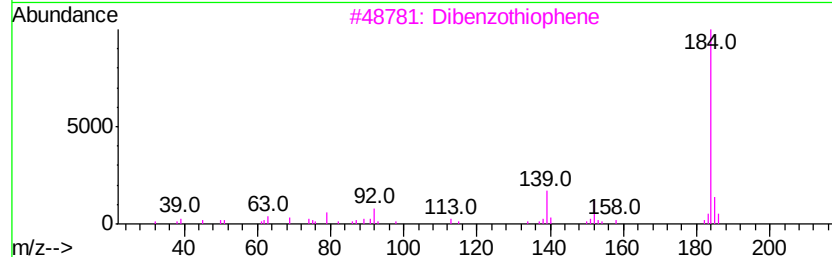
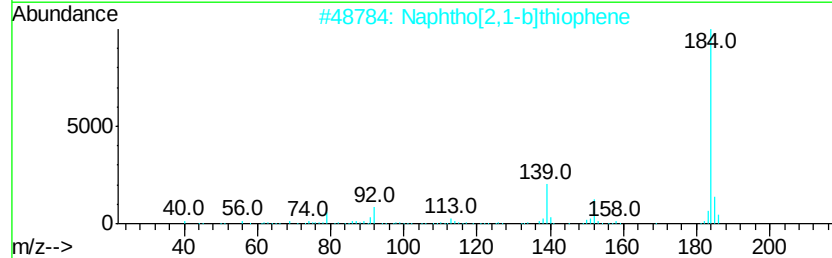
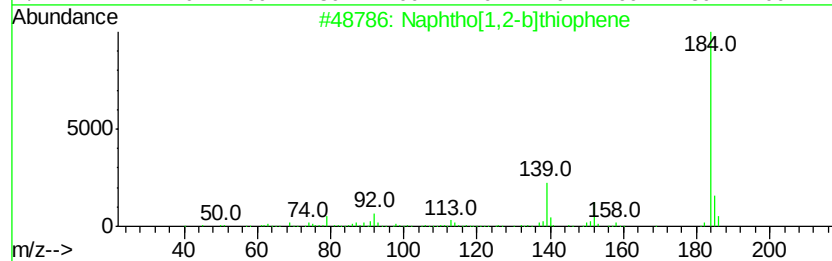
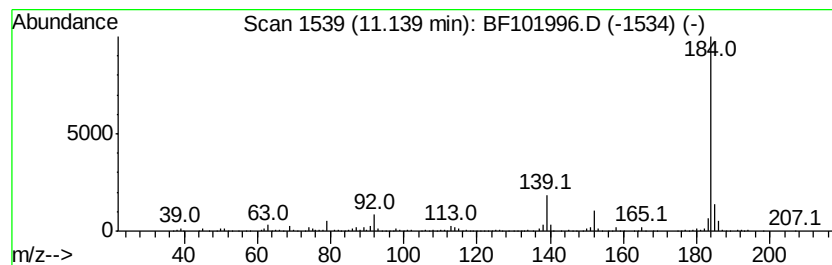
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	10.74 ng	908551	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	97
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

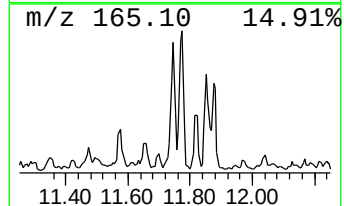
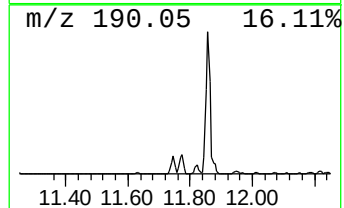
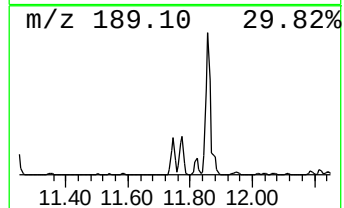
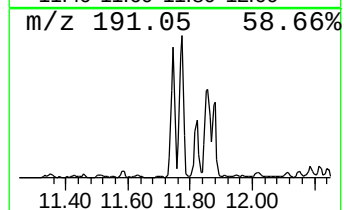
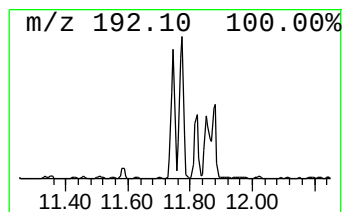
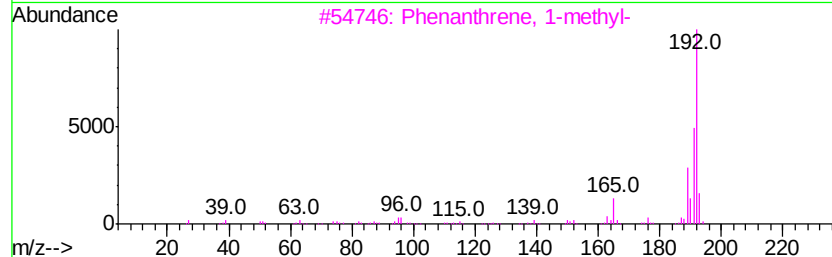
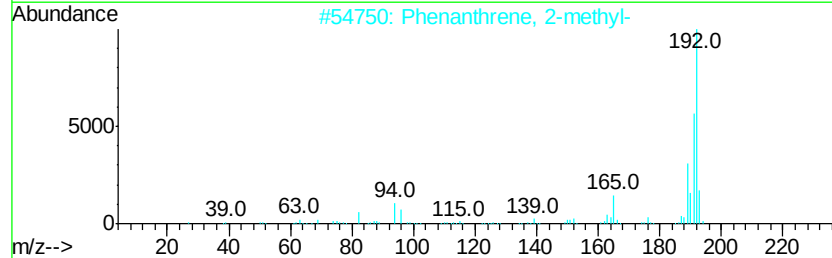
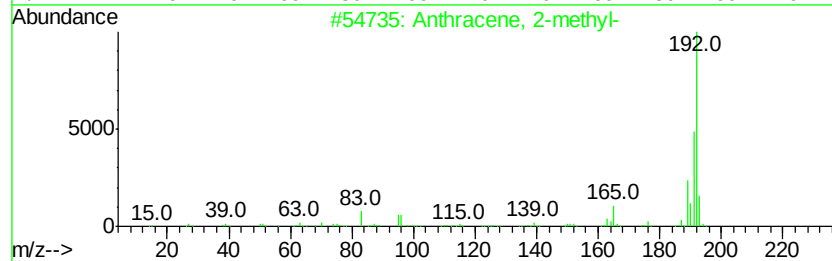
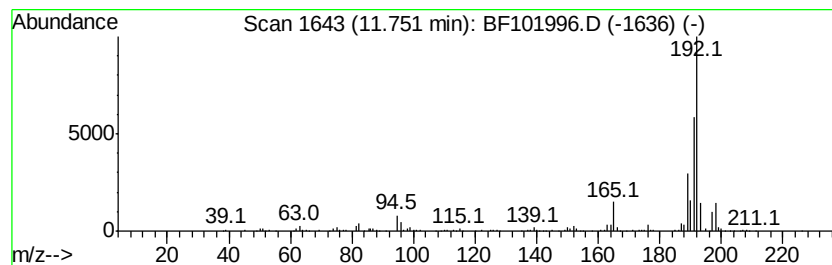
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	11.41 ng	965054	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	90
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

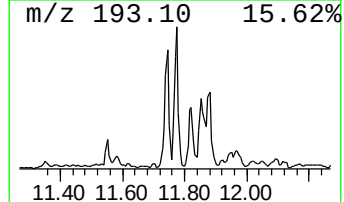
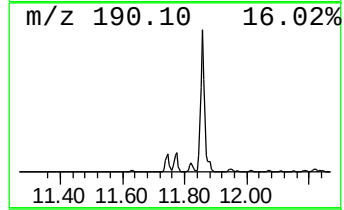
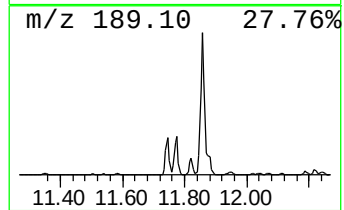
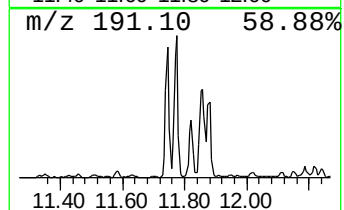
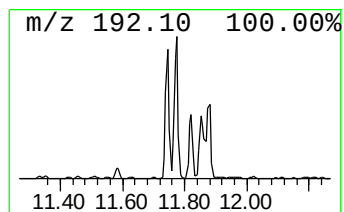
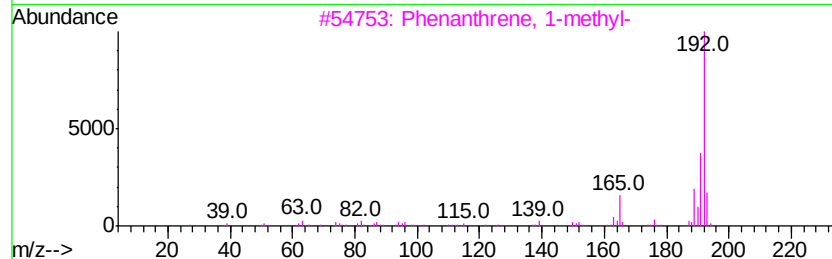
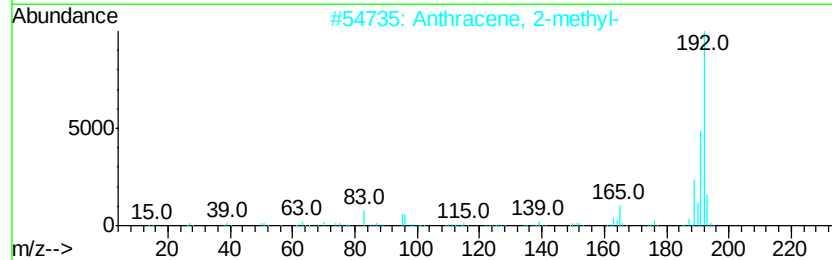
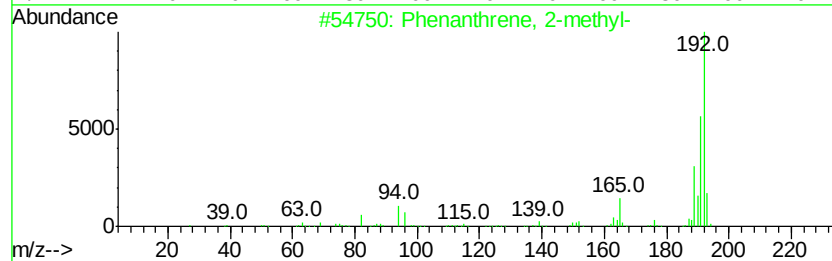
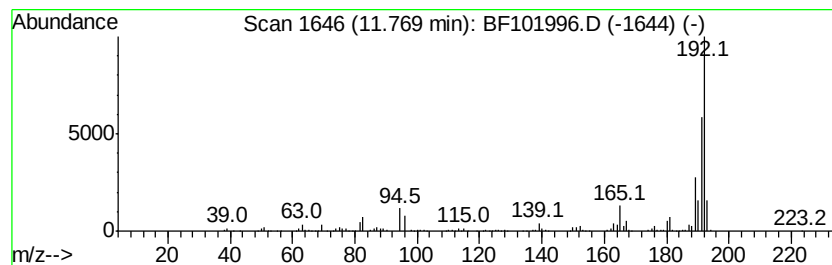
Instrument :
BNA_F
ClientSampleId :
WC-50-01

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 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.77	12.89 ng	1089740	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

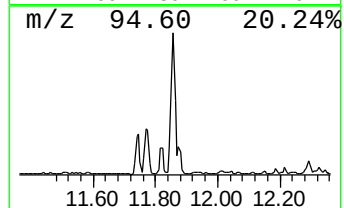
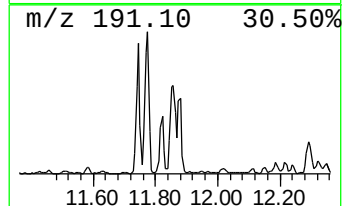
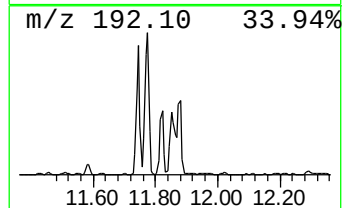
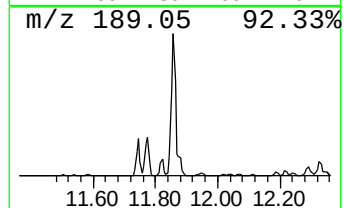
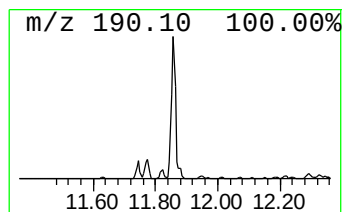
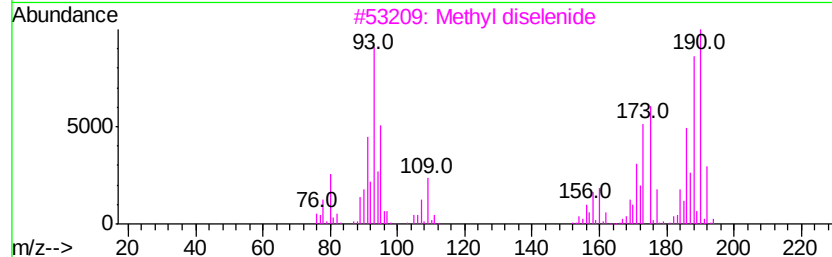
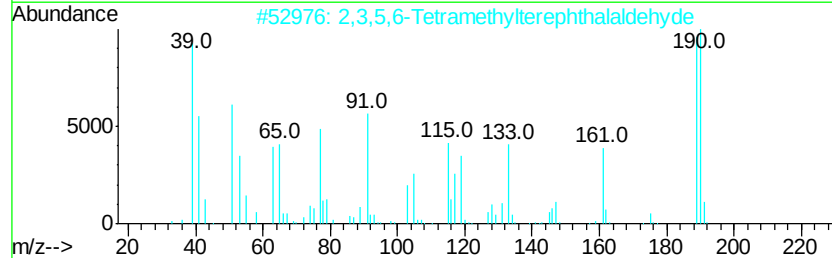
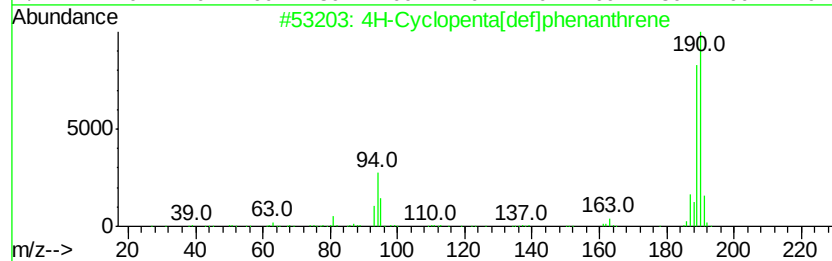
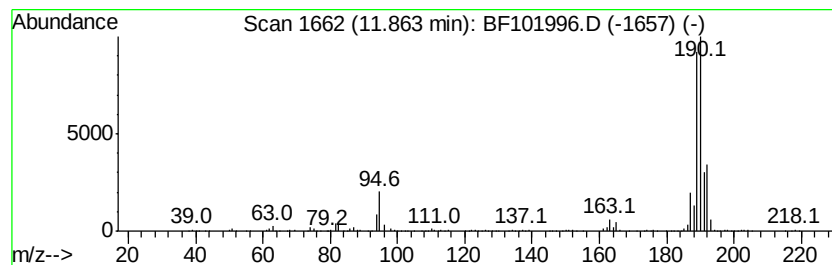
Instrument :
BNA_F
ClientSampleId :
WC-50-01

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 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	20.42 ng	1727010	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

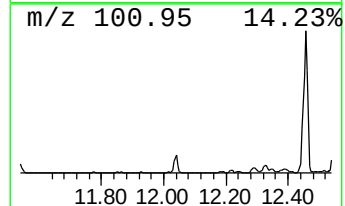
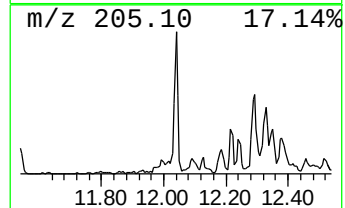
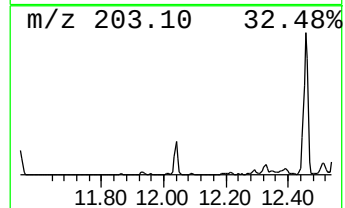
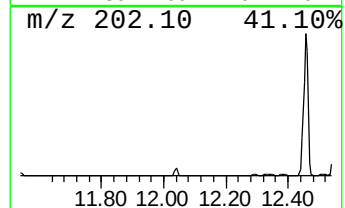
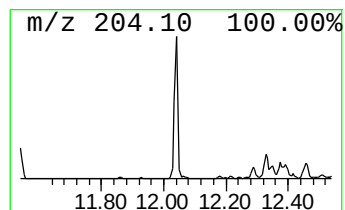
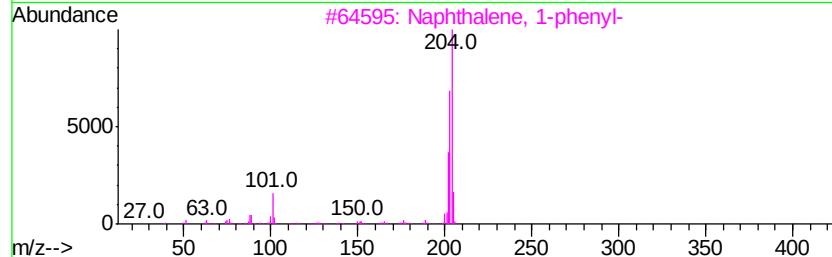
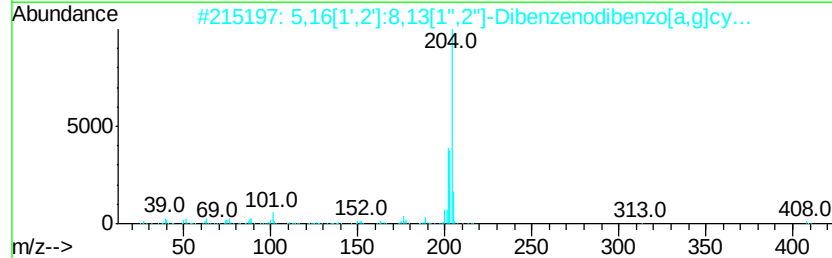
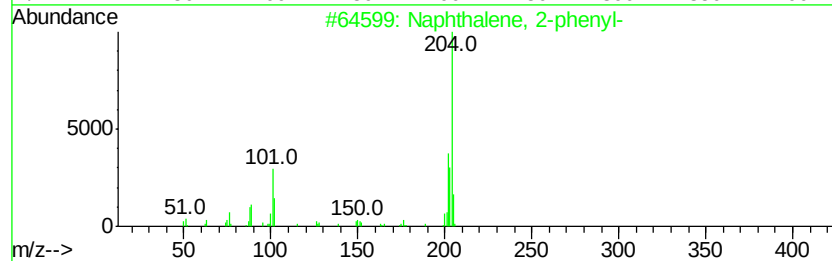
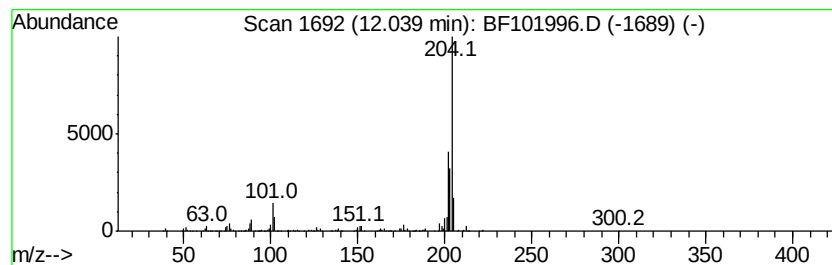
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.38 ng	539672	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

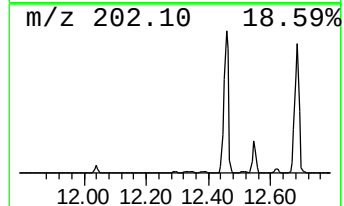
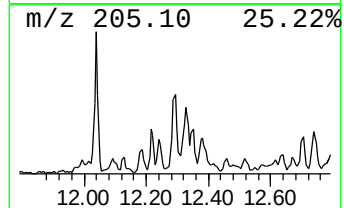
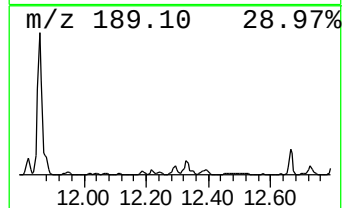
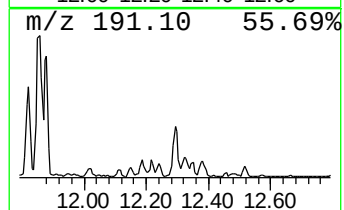
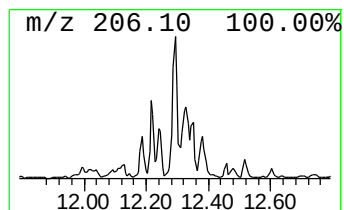
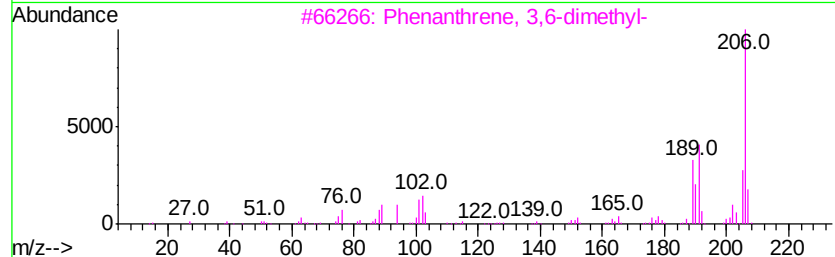
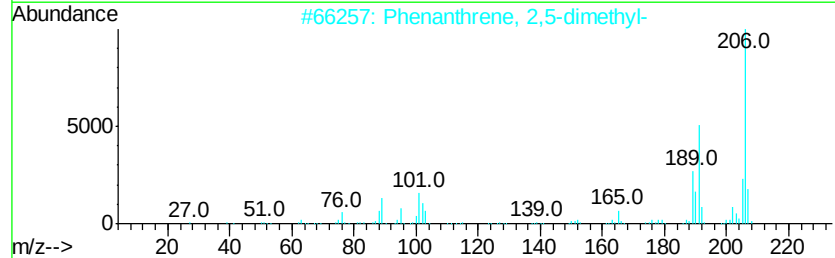
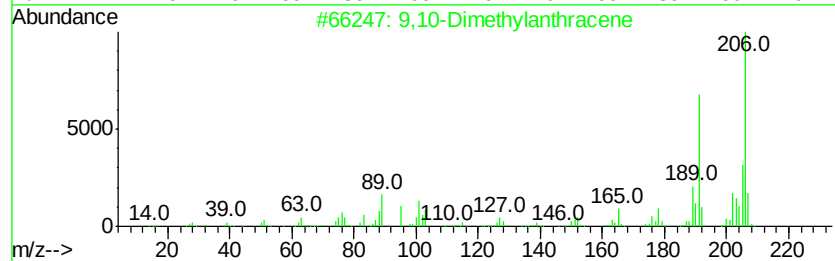
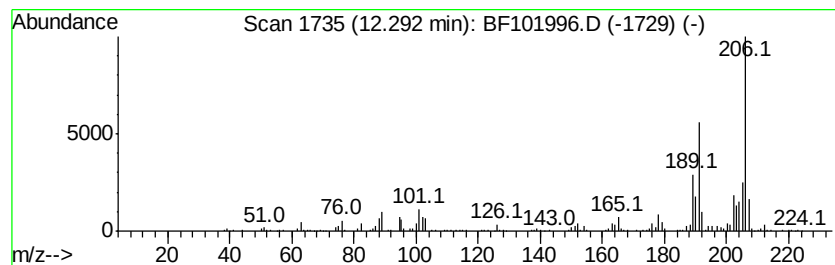
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	6.14 ng	519366	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	98
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	91
5		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

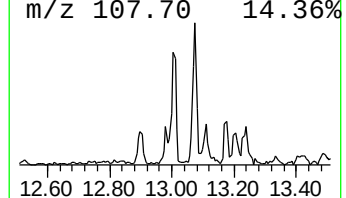
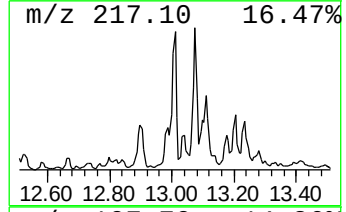
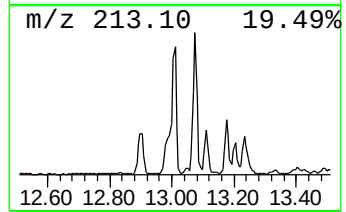
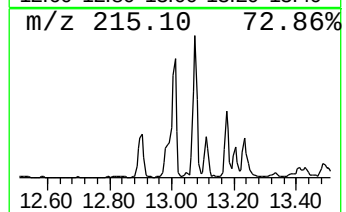
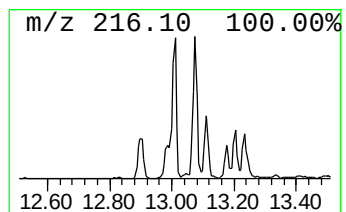
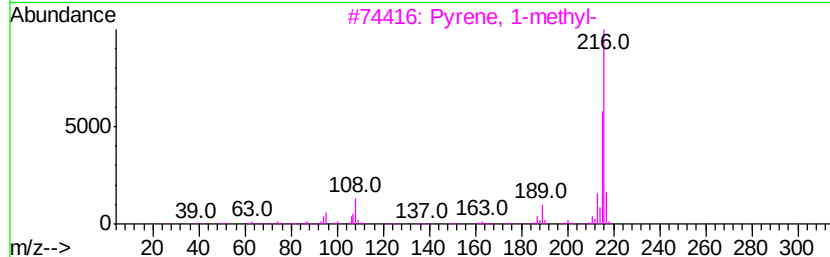
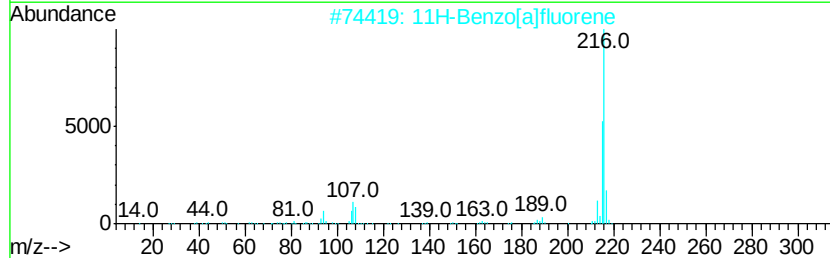
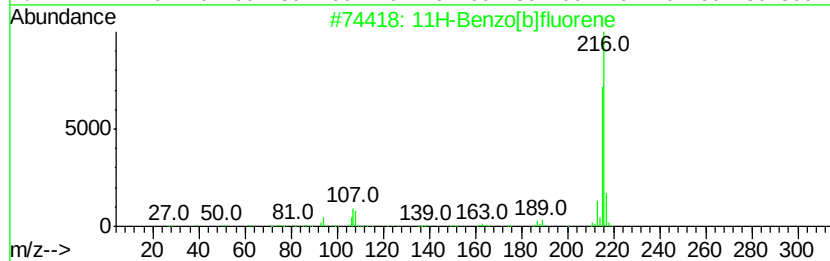
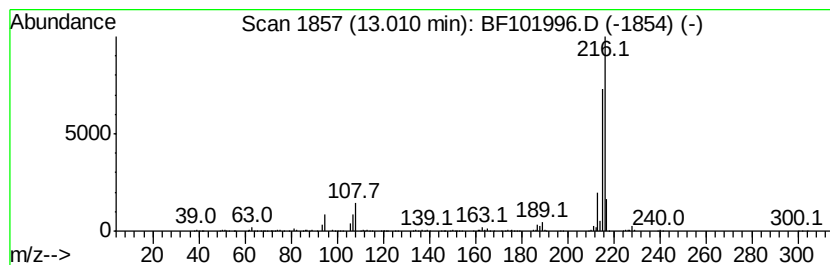
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	5.38 ng	789444	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	81



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

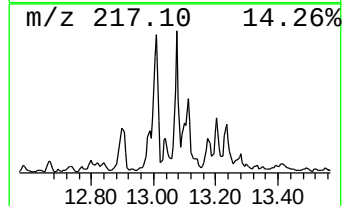
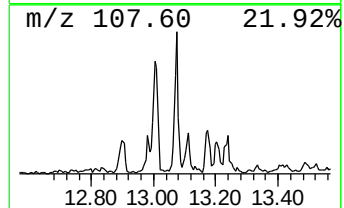
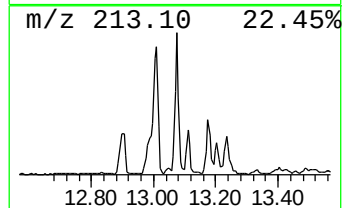
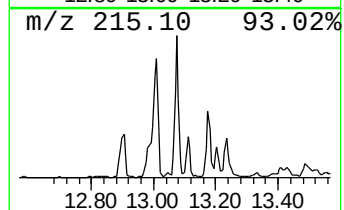
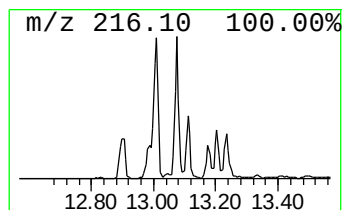
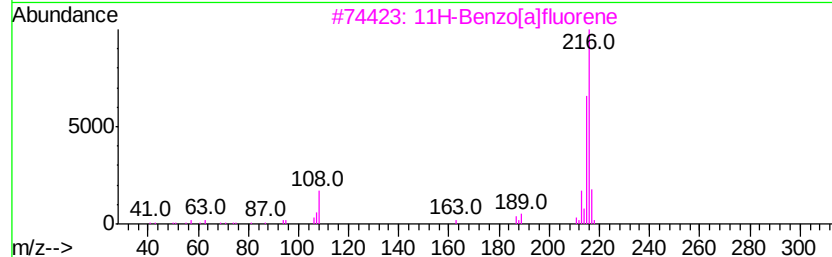
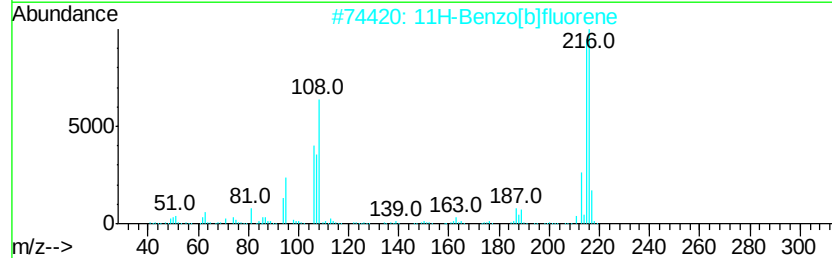
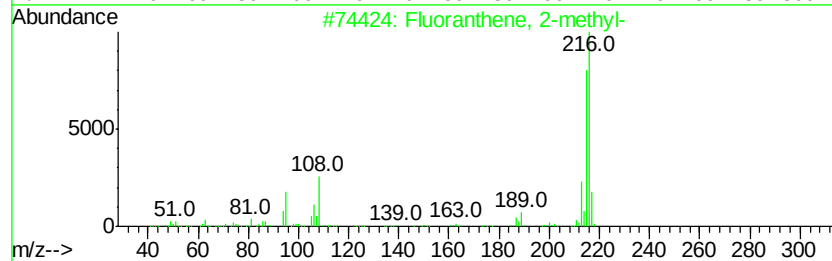
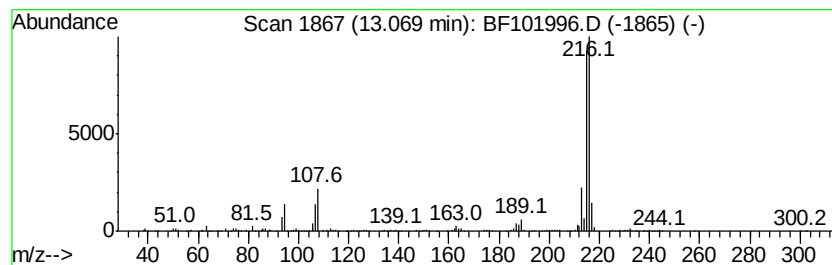
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	5.00 ng	732989	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

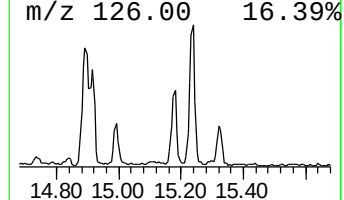
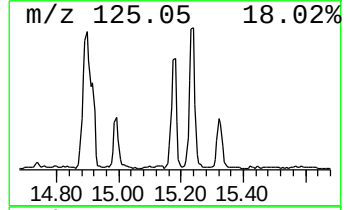
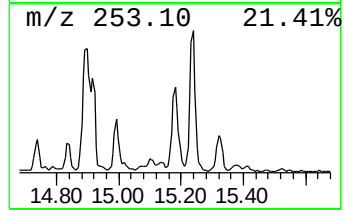
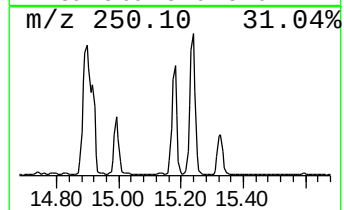
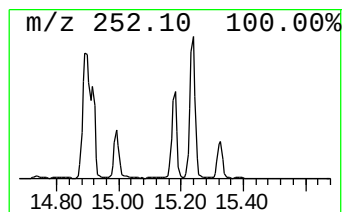
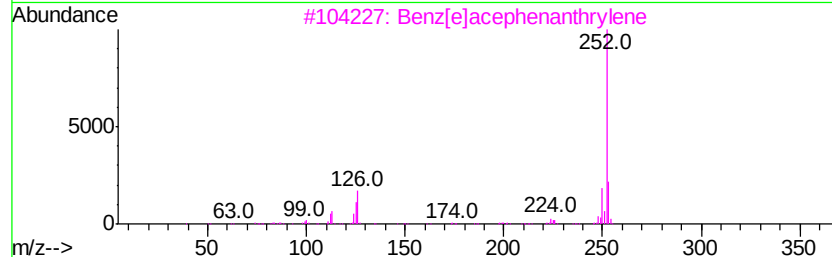
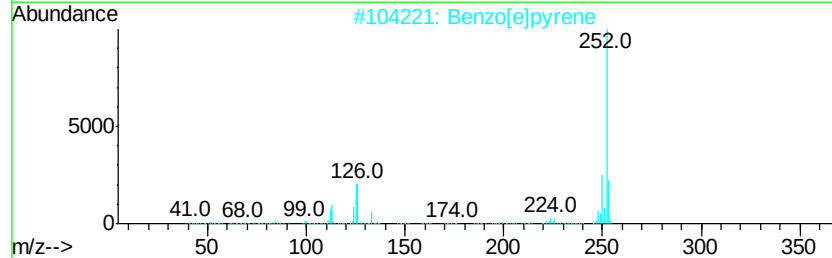
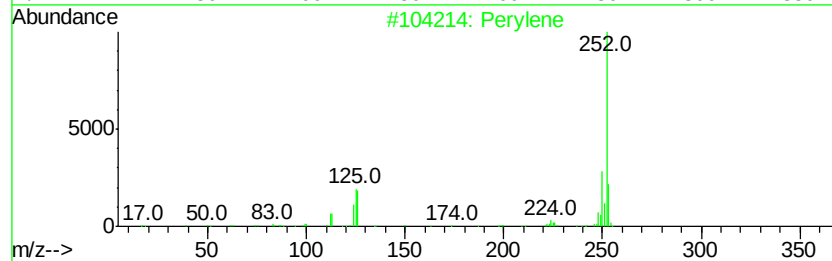
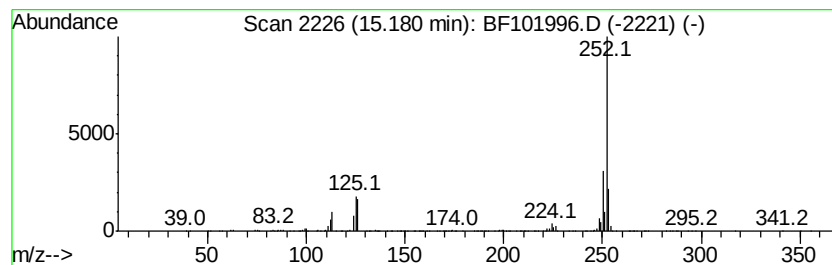
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	15.70 ng	920053	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[el]pyrene	252	C20H12	000192-97-2	98
3		Benzo[el]acephenanthrylene	252	C20H12	000205-99-2	98
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101996.D
Acq On : 10 Jan 2018 23:03
Operator : SJ/JU
Sample : J1076-13 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-50-01

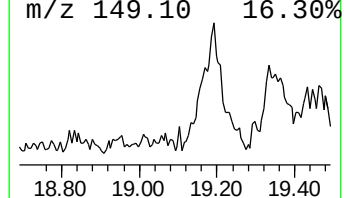
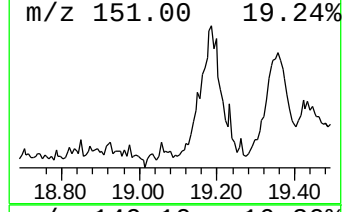
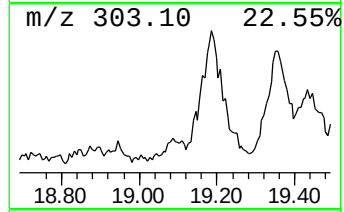
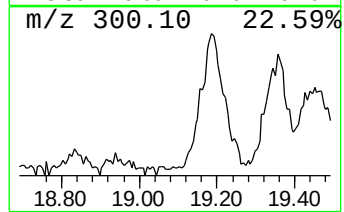
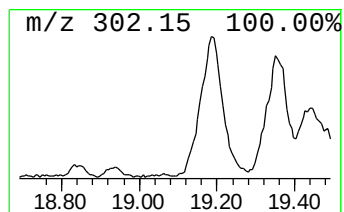
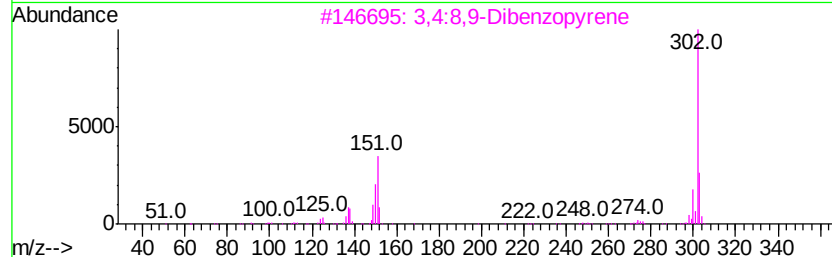
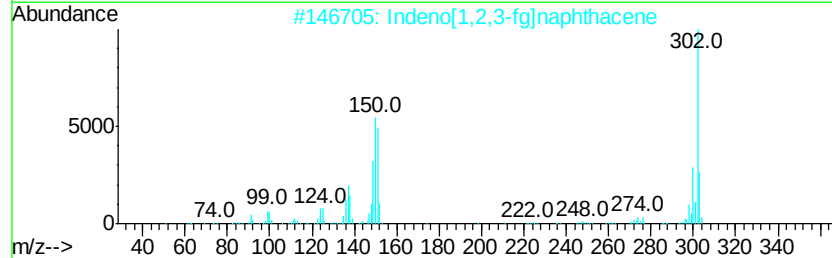
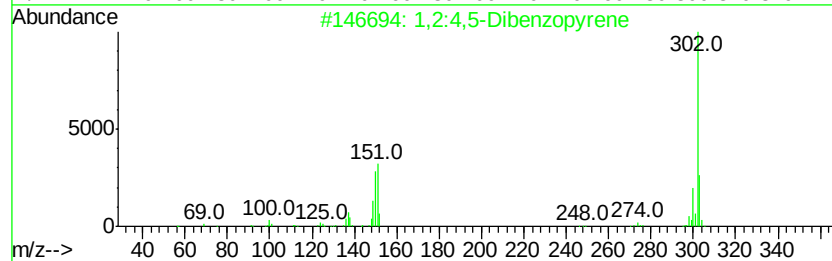
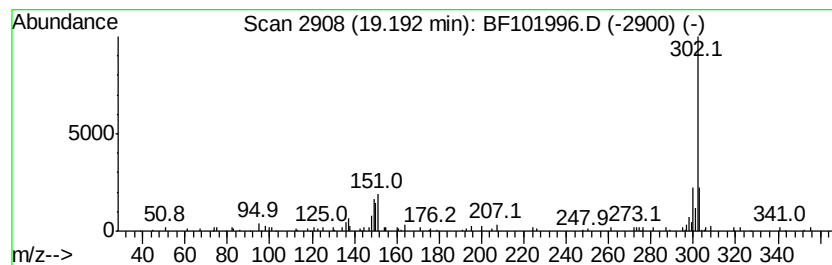
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	6.35 ng	371818	Perylene-d12	15.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
2			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	87
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	80
4			Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	68
5			1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	64



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
 Data File : BF101996.D
 Acq On : 10 Jan 2018 23:03
 Operator : SJ/JU
 Sample : J1076-13 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-50-01

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1,6-...	9.35	7.8 ng		777447	3	9.76	2001170	20.0
Naphthalene, 2,3-...	9.42	8.2 ng		821484	3	9.76	2001170	20.0
Dibenzofuran, 4-m...	10.46	5.1 ng		510149	3	9.76	2001170	20.0
6H-Dibenzo[b,d]-p...	10.55	7.4 ng		625070	4	11.25	1691220	20.0
9H-Fluorene, 2-me...	10.85	7.4 ng		624433	4	11.25	1691220	20.0
Naphtho[1,2-b]thi...	11.14	10.7 ng		908551	4	11.25	1691220	20.0
Anthracene, 2-met...	11.75	11.4 ng		965054	4	11.25	1691220	20.0
Phenanthrene, 2-m...	11.77	12.9 ng		1089740	4	11.25	1691220	20.0
4H-Cyclopenta[def...	11.86	20.4 ng		1727010	4	11.25	1691220	20.0
Naphthalene, 2-ph...	12.04	6.4 ng		539672	4	11.25	1691220	20.0
9,10-Dimethylanthe...	12.29	6.1 ng		519366	4	11.25	1691220	20.0
11H-Benzo[b]fluorene	13.01	5.4 ng		789444	5	13.88	2932150	20.0
Fluoranthene, 2-m...	13.07	5.0 ng		732989	5	13.88	2932150	20.0
Perylene	15.18	15.7 ng		920053	6	15.30	1171690	20.0
1,2:4,5-Dibenzopy...	19.19	6.3 ng		371818	6	15.30	1171690	20.0