

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105333.D
 Acq On : 12 May 2018 13:26
 Operator : JU/SJ
 Sample : J2706-03 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 003

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-BF051018.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	4.975	487	491	500	rBV	341691	333713	7.92%	0.653%
2	5.392	558	562	574	rBV	327108	376773	8.94%	0.737%
3	6.416	732	736	753	rBV	555837	687428	16.32%	1.345%
4	6.551	755	759	769	rBV	548899	566761	13.45%	1.109%
5	6.786	795	799	807	rBV	1061931	989736	23.49%	1.936%
6	6.939	820	825	833	rBV	540610	493985	11.73%	0.967%
7	7.345	891	894	904	rBV	360783	378114	8.98%	0.740%
8	7.533	923	926	929	rBV	77891	63669	1.51%	0.125%
9	8.069	1013	1017	1020	rBV	1527811	1375585	32.65%	2.691%
10	8.780	1135	1138	1143	rBV	107183	92142	2.19%	0.180%
11	8.880	1151	1155	1158	rBV	85967	79123	1.88%	0.155%
12	9.139	1196	1199	1210	rVB	888886	784265	18.62%	1.534%
13	9.410	1239	1245	1251	rBV4	56284	92947	2.21%	0.182%
14	9.475	1253	1256	1259	rVV	70028	77404	1.84%	0.151%
15	9.539	1263	1267	1270	rVB	64774	62896	1.49%	0.123%
16	9.757	1295	1304	1310	rVV2	240480	503602	11.95%	0.985%
17	9.822	1311	1315	1318	rVV	1586106	1440838	34.20%	2.819%
18	9.851	1318	1320	1324	rVB	539332	481687	11.43%	0.942%
19	10.027	1345	1350	1354	rBV	258721	284642	6.76%	0.557%
20	10.233	1379	1385	1391	rBV	316336	471624	11.20%	0.923%
21	10.369	1404	1408	1414	rVB	446184	397234	9.43%	0.777%
22	10.527	1433	1435	1438	rVB	76134	66404	1.58%	0.130%
23	10.610	1445	1449	1453	rBV	212263	227022	5.39%	0.444%
24	10.721	1465	1468	1474	rBV4	84617	138613	3.29%	0.271%
25	10.916	1494	1501	1503	rBV4	82035	138152	3.28%	0.270%
26	11.004	1513	1516	1519	rVB3	49008	52529	1.25%	0.103%
27	11.116	1531	1535	1539	rVB	120107	117689	2.79%	0.230%
28	11.174	1539	1545	1548	rBV	659948	611392	14.51%	1.196%
29	11.204	1548	1550	1553	rVV	244101	207126	4.92%	0.405%
30	11.233	1553	1555	1558	rVB	193274	141177	3.35%	0.276%
31	11.310	1564	1568	1570	rBV	1415151	1366362	32.43%	2.673%
32	11.339	1570	1573	1576	rVV	3117453	3009162	71.43%	5.888%
33	11.386	1576	1581	1584	rVV	1000245	961919	22.83%	1.882%
34	11.416	1584	1586	1590	rVB	78418	79317	1.88%	0.155%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105333.D
 Acq On : 12 May 2018 13:26
 Operator : JU/SJ
 Sample : J2706-03 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 003

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-BF051018.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.545	1601	1608	1615	rBV2	455805	595671	14.14%	1.165%
36	11.604	1615	1618	1620	rVV2	81596	89479	2.12%	0.175%
37	11.639	1620	1624	1630	rVV3	86283	136212	3.23%	0.267%
38	11.716	1633	1637	1642	rVB	546223	476433	11.31%	0.932%
39	11.810	1649	1653	1655	rBV	321900	303955	7.22%	0.595%
40	11.839	1655	1658	1662	rVV	561998	568277	13.49%	1.112%
41	11.886	1662	1666	1669	rVV2	156878	160382	3.81%	0.314%
42	11.921	1669	1672	1675	rVV	579465	637494	15.13%	1.247%
43	11.945	1675	1676	1680	rVB	219457	126976	3.01%	0.248%
44	11.992	1680	1684	1685	rBV	54166	59385	1.41%	0.116%
45	12.010	1685	1687	1690	rVB2	54339	62654	1.49%	0.123%
46	12.104	1700	1703	1706	rBV	224538	225714	5.36%	0.442%
47	12.127	1706	1707	1712	rVV2	154525	140768	3.34%	0.275%
48	12.251	1726	1728	1731	rVB	62019	57880	1.37%	0.113%
49	12.286	1731	1734	1736	rBV2	70738	60436	1.43%	0.118%
50	12.310	1736	1738	1742	rVB	71304	57864	1.37%	0.113%
51	12.357	1743	1746	1749	rBV2	155158	173774	4.13%	0.340%
52	12.398	1749	1753	1755	rBV2	100283	96965	2.30%	0.190%
53	12.445	1758	1761	1766	rBV2	120392	143378	3.40%	0.281%
54	12.533	1771	1776	1780	rBV	3548525	4091481	97.12%	8.005%
55	12.621	1788	1791	1793	rBV2	113187	98758	2.34%	0.193%
56	12.674	1797	1800	1803	rVB	142444	143457	3.41%	0.281%
57	12.757	1808	1814	1819	rVV2	3119668	4212696	100.00%	8.242%
58	12.798	1819	1821	1827	rVB2	169550	200445	4.76%	0.392%
59	12.874	1830	1834	1835	rBV	224528	204842	4.86%	0.401%
60	12.898	1835	1838	1845	rVB2	727414	934205	22.18%	1.828%
61	12.974	1845	1851	1854	rBV2	216845	398574	9.46%	0.780%
62	13.010	1854	1857	1859	rVV	93001	88172	2.09%	0.173%
63	13.057	1862	1865	1866	rVV	181595	168191	3.99%	0.329%
64	13.086	1866	1870	1873	rVB	601364	669886	15.90%	1.311%
65	13.151	1878	1881	1884	rVV	431960	382595	9.08%	0.749%
66	13.192	1884	1888	1890	rVV2	266410	310053	7.36%	0.607%
67	13.215	1890	1892	1895	rVB	98746	93942	2.23%	0.184%
68	13.286	1901	1904	1906	rBV	157281	133987	3.18%	0.262%
69	13.315	1906	1909	1913	rBV	206658	192252	4.56%	0.376%
70	13.386	1918	1921	1924	rBV	223478	188294	4.47%	0.368%
71	13.486	1935	1938	1942	rBV4	86895	121791	2.89%	0.238%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

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-BF051018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.586	1952	1955	1956	rBV3	49889	60285	1.43%	0.118%
73	13.604	1956	1958	1964	rVB	166682	211481	5.02%	0.414%
74	13.727	1975	1979	1981	rBV	346476	366755	8.71%	0.718%
75	13.757	1981	1984	1986	rBV	237528	201247	4.78%	0.394%
76	13.780	1986	1988	1989	rBV	106175	92870	2.20%	0.182%
77	13.827	1994	1996	2000	rVB2	250382	235714	5.60%	0.461%
78	13.904	2007	2009	2013	rVB	94666	79063	1.88%	0.155%
79	13.992	2016	2024	2027	rBV2	2008224	3623975	86.03%	7.090%
80	14.027	2027	2030	2036	rVB	1907299	1976277	46.91%	3.867%
81	14.104	2041	2043	2046	rVB	156547	141469	3.36%	0.277%
82	14.204	2058	2060	2062	rBV	93818	79723	1.89%	0.156%
83	14.239	2064	2066	2069	rVB	153485	148984	3.54%	0.291%
84	14.415	2091	2096	2099	rBV	244327	288632	6.85%	0.565%
85	14.451	2100	2102	2106	rVB	152853	137292	3.26%	0.269%
86	14.515	2110	2113	2116	rVV2	212280	223830	5.31%	0.438%
87	14.551	2116	2119	2121	rVV	166897	173792	4.13%	0.340%
88	14.574	2121	2123	2127	rVB3	140154	142858	3.39%	0.280%
89	14.751	2151	2153	2156	rBV3	70311	75875	1.80%	0.148%
90	14.933	2180	2184	2189	rVB2	181101	271412	6.44%	0.531%
91	15.109	2209	2214	2217	rBV	1416570	2294093	54.46%	4.489%
92	15.209	2229	2231	2235	rVB	228762	238332	5.66%	0.466%
93	15.409	2260	2265	2271	rVB	829037	1153326	27.38%	2.257%
94	15.474	2271	2276	2282	rVV	1140445	1373412	32.60%	2.687%
95	15.533	2282	2286	2289	rVV	823076	1071264	25.43%	2.096%
96	15.562	2289	2291	2298	rVB2	395861	565405	13.42%	1.106%
97	16.009	2365	2367	2371	rVB2	97359	94751	2.25%	0.185%
98	16.227	2401	2404	2418	rVB9	111198	248978	5.91%	0.487%
99	16.980	2526	2532	2540	rVB2	414229	889178	21.11%	1.740%
100	17.415	2600	2606	2618	rVB	312772	691700	16.42%	1.353%

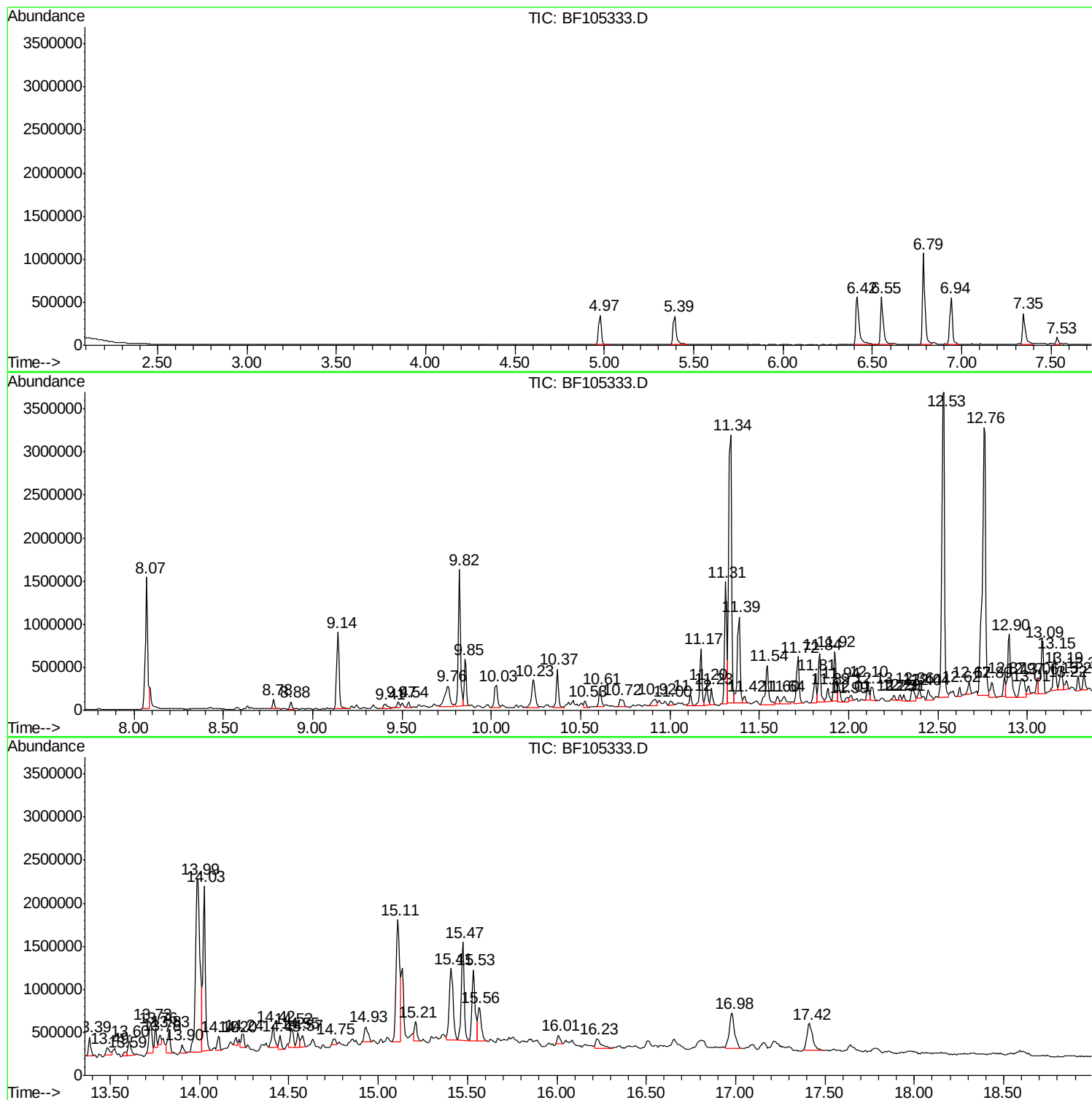
Sum of corrected areas: 51110323

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

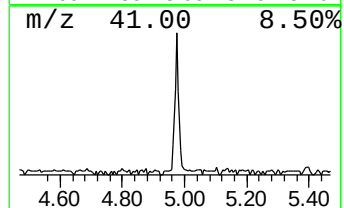
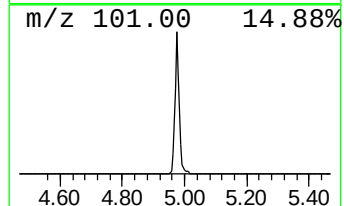
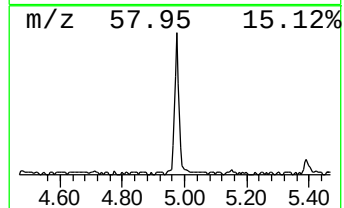
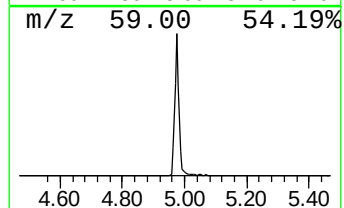
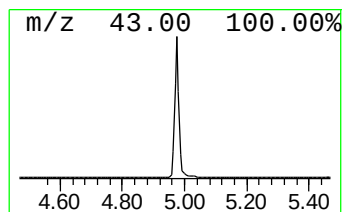
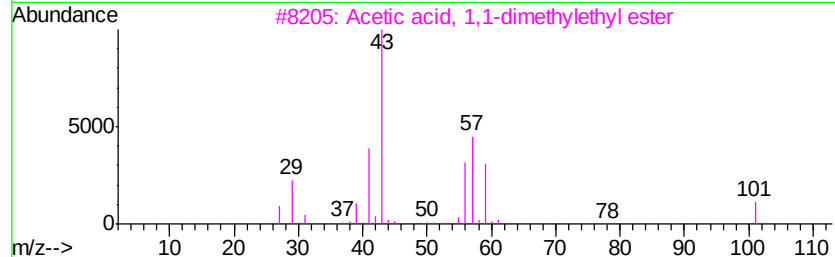
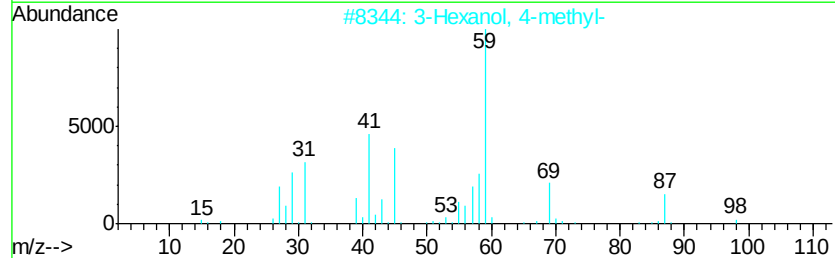
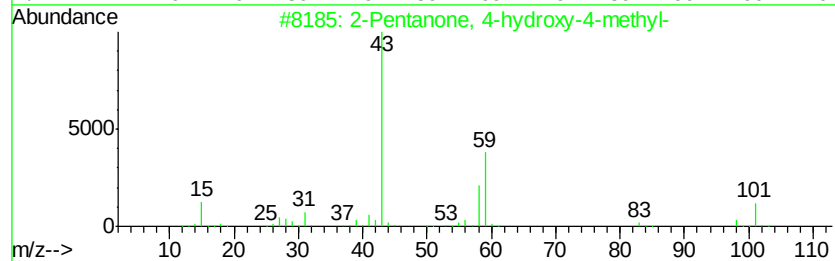
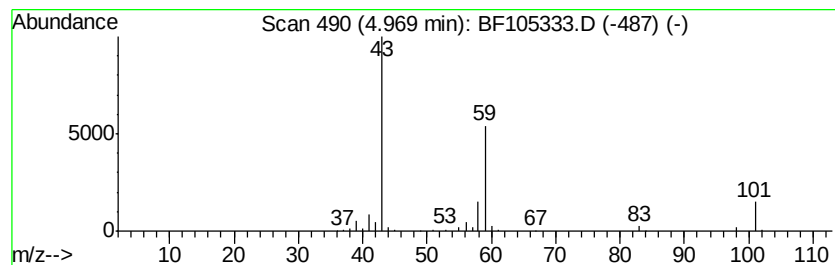
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	6.74 ng	333713	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	32
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

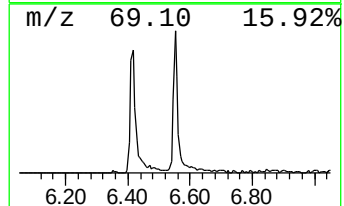
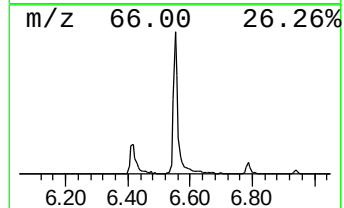
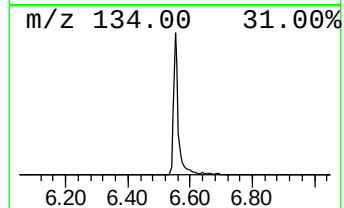
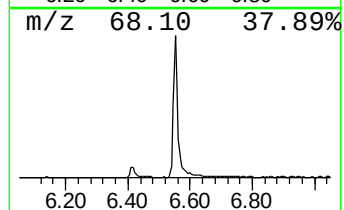
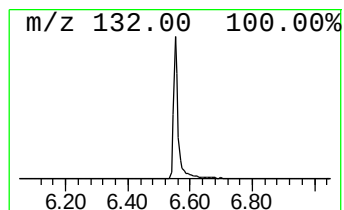
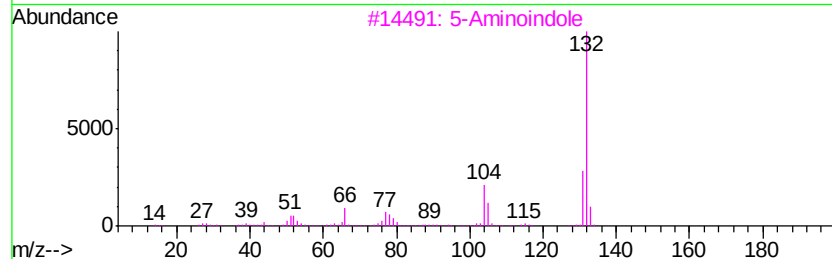
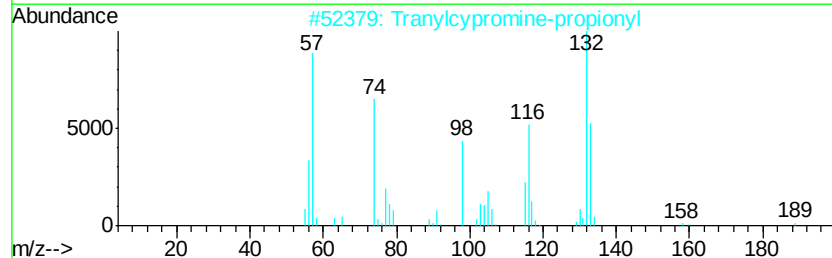
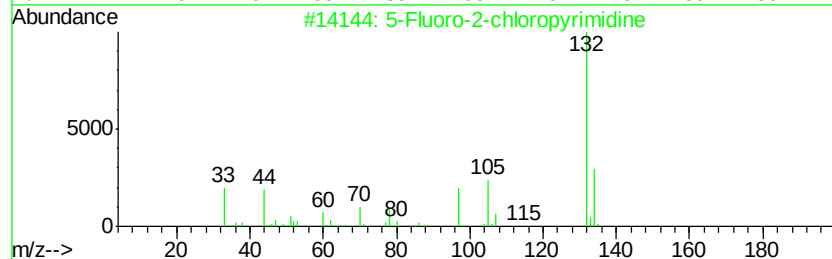
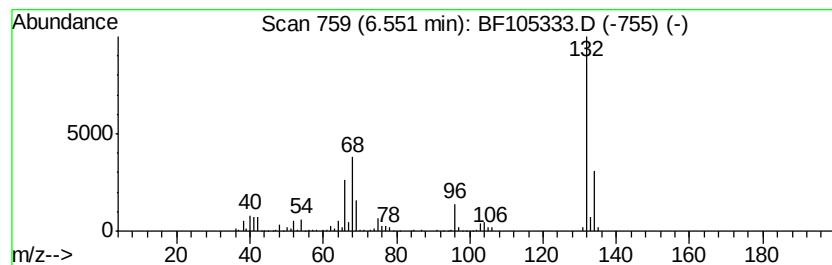
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.55 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	11.45 ng	566761	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
2			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3			5-Aminoindole	132	C8H8N2	005192-03-0	12
4			N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10
5			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

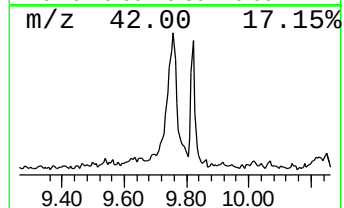
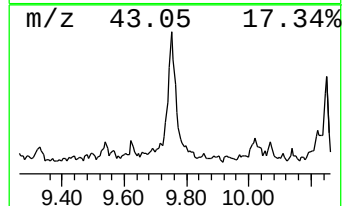
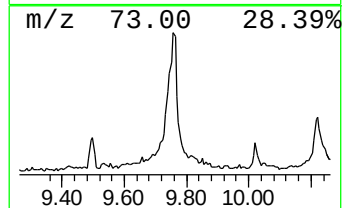
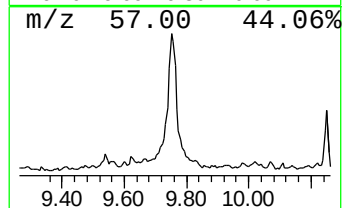
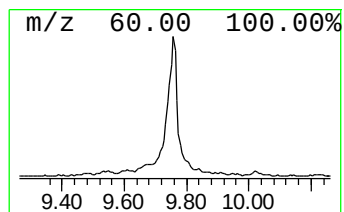
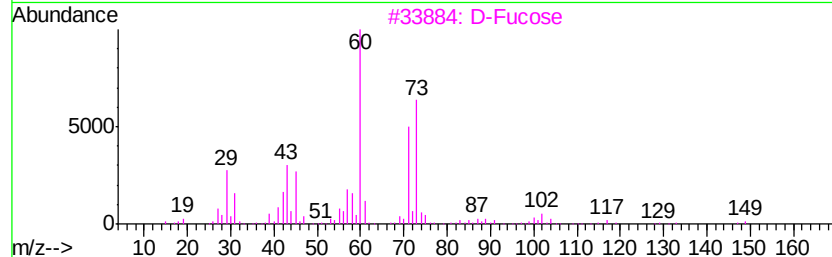
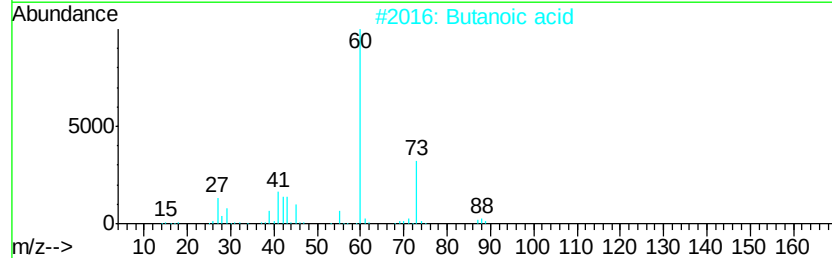
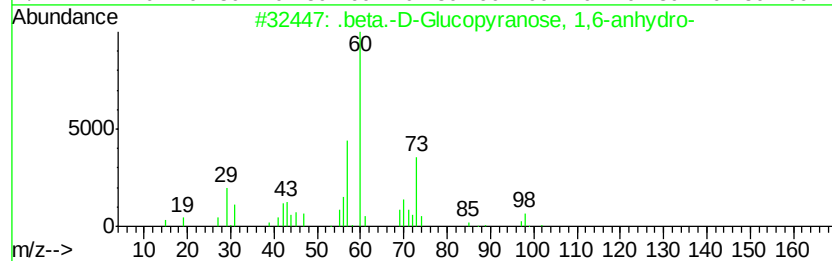
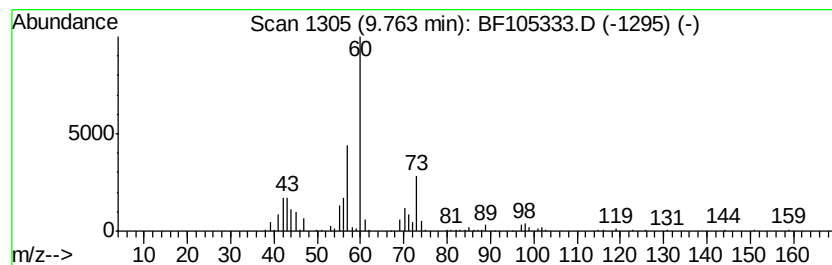
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 .beta.-D-Glucopyranose, 1,6... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	6.99 ng	503602	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-D-Glucopyranose, 1,6-anhy...	162	C6H10O5	000498-07-7	64
2		Butanoic acid	88	C4H8O2	000107-92-6	53
3		D-Fucose	164	C6H12O5	003615-37-0	45
4		Heptanoic acid	130	C7H14O2	000111-14-8	45
5		.beta.-D-Ribopyranoside, methyl	164	C6H12O5	017289-61-1	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

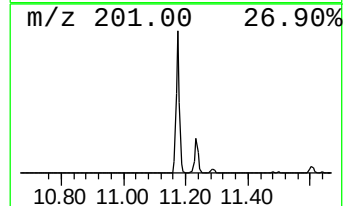
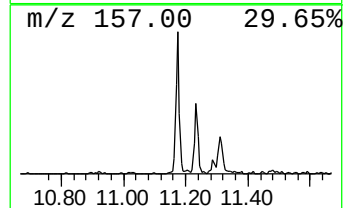
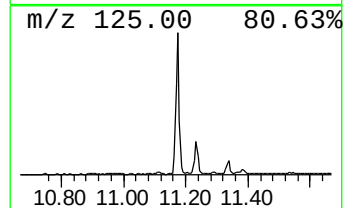
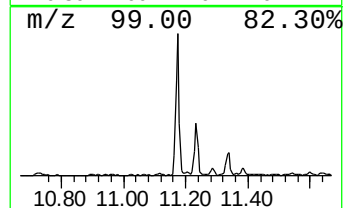
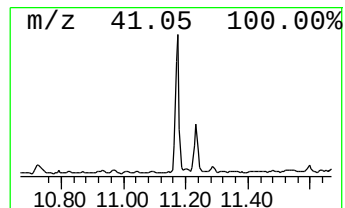
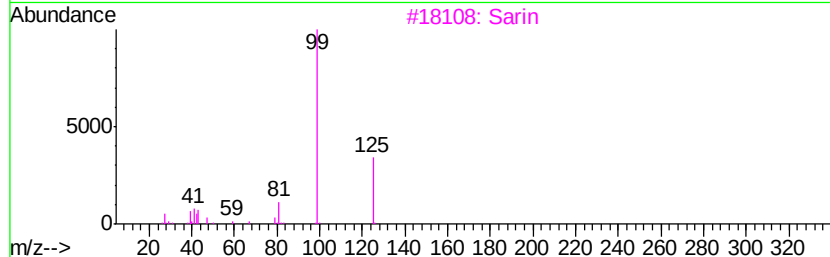
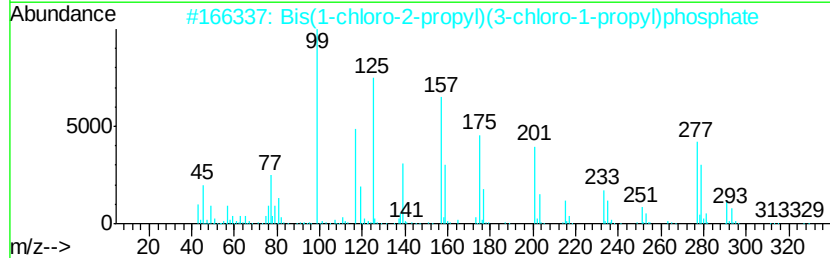
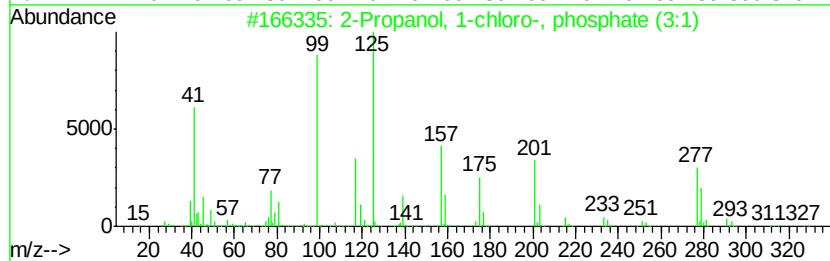
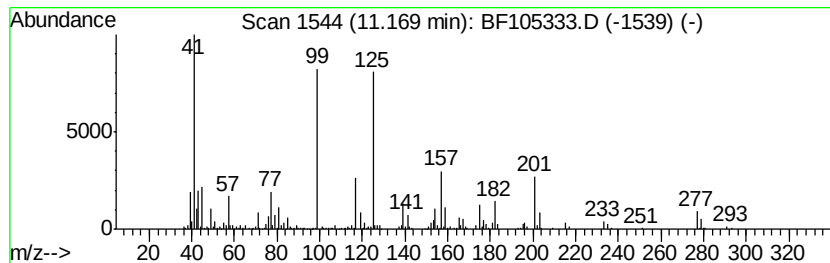
Instrument :
BNA_F
ClientSampled :
003

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Propanol, 1-chloro-, phos... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.17	8.95 ng	611392	Phenanthrene-d10		11.31	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	87
2		Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	32
3		Sarin	140	C4H10F02P	000107-44-8	25
4		Triisopropylphosphate	224	C9H21O4P	000513-02-0	25
5		Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

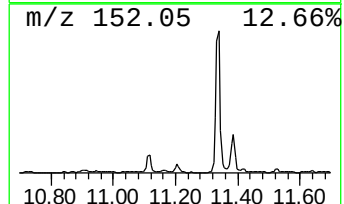
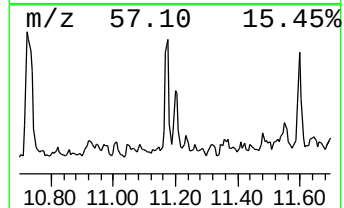
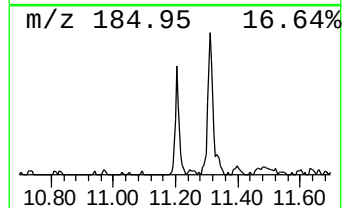
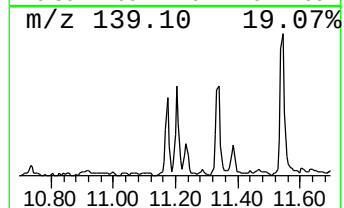
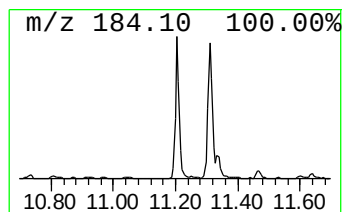
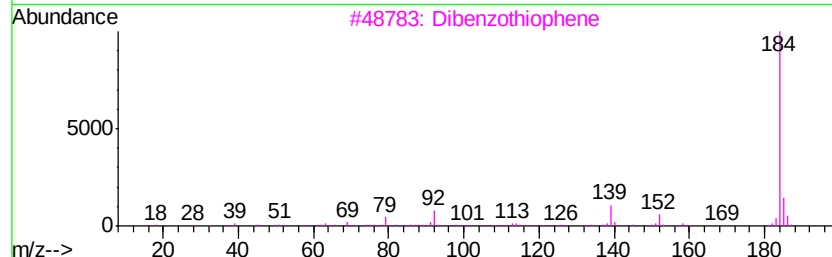
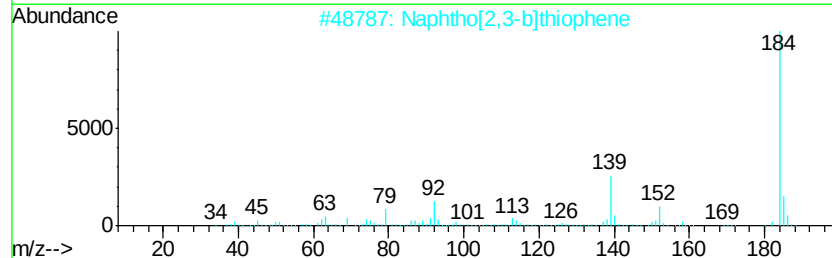
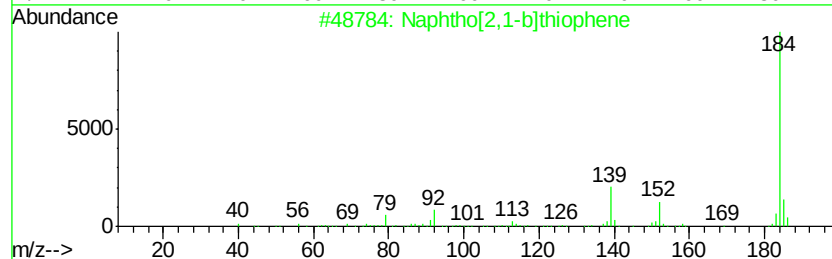
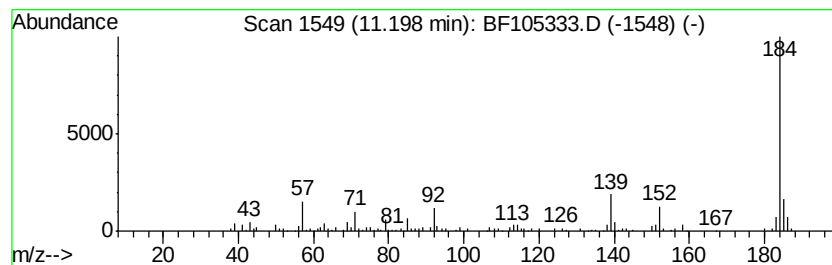
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.03 ng	207126	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

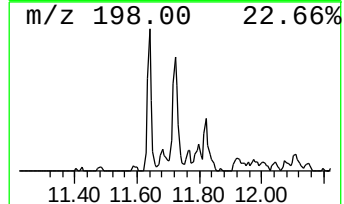
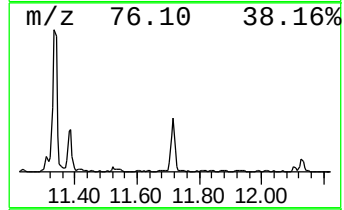
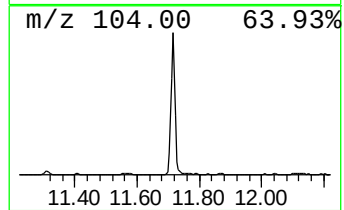
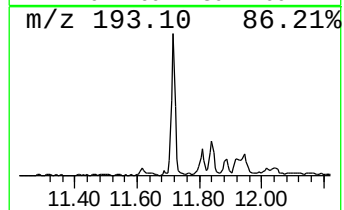
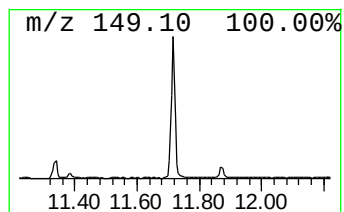
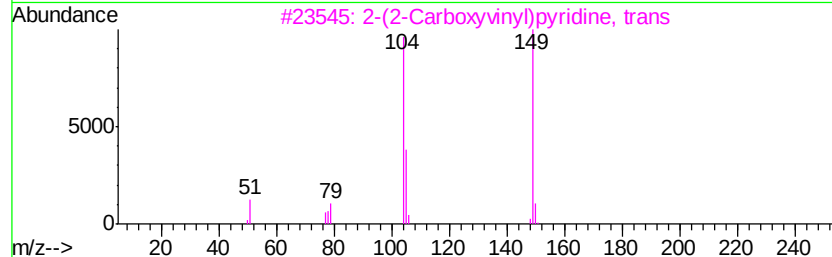
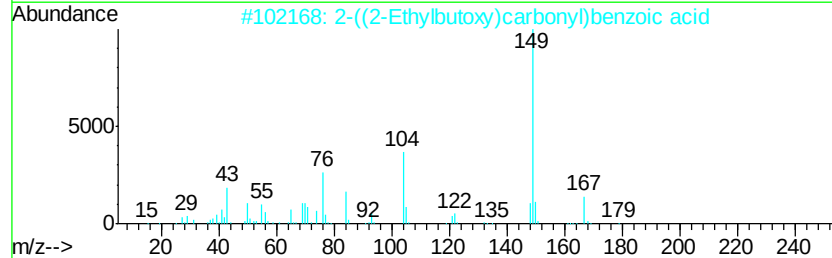
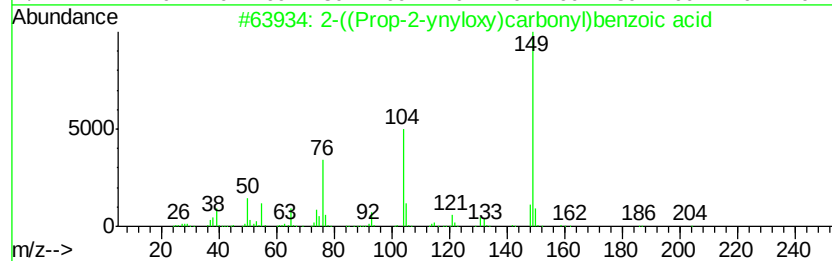
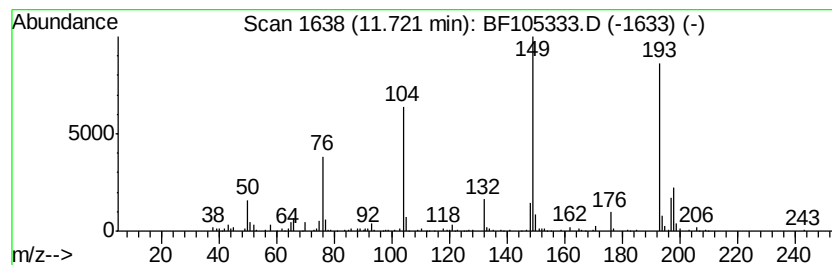
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.72 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	6.97 ng	476433	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-((Prop-2-ynyloxy)carbonyl)benz...	204	C11H8O4	1000373-53-6	38
2		2-((2-Ethylbutoxy)carbonyl)benzo...	250	C14H18O4	1000373-62-8	38
3		2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	35
4		1,2-Benzenedicarboxylic acid, bi...	250	C14H18O4	000605-45-8	25
5		m-Nitrobenzaldehyde dimethylhydr...	193	C9H11N3O2	032787-76-1	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

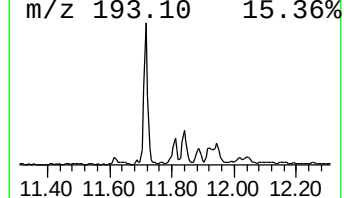
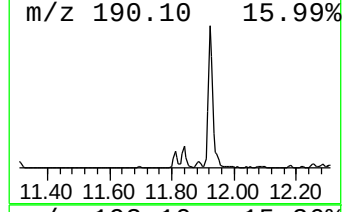
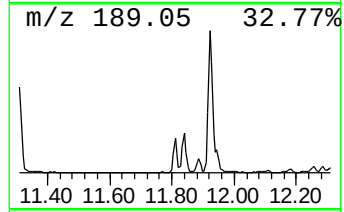
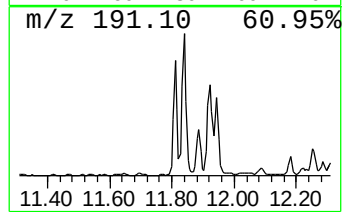
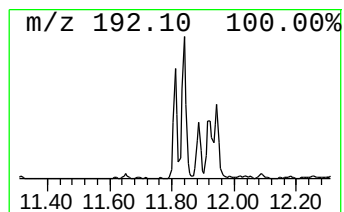
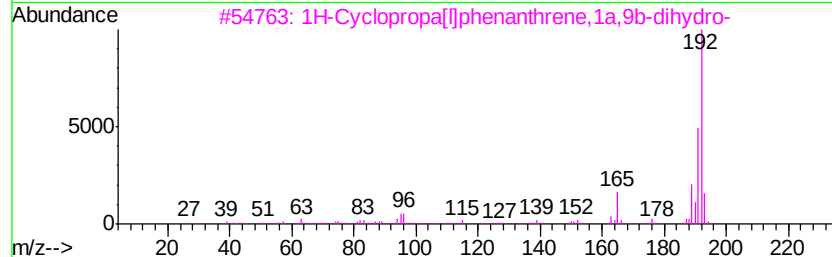
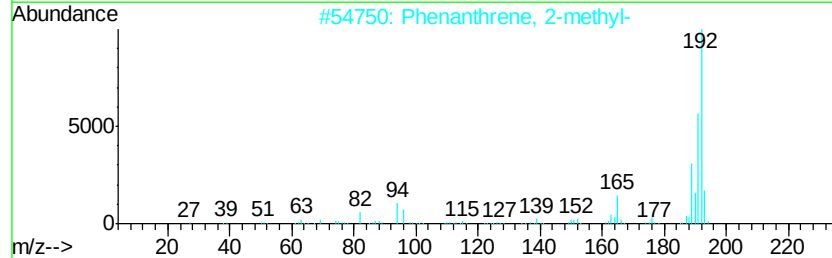
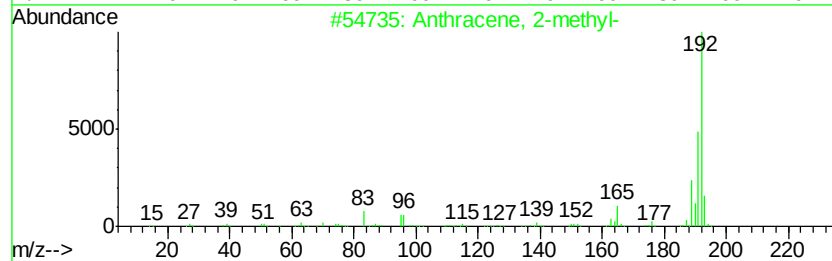
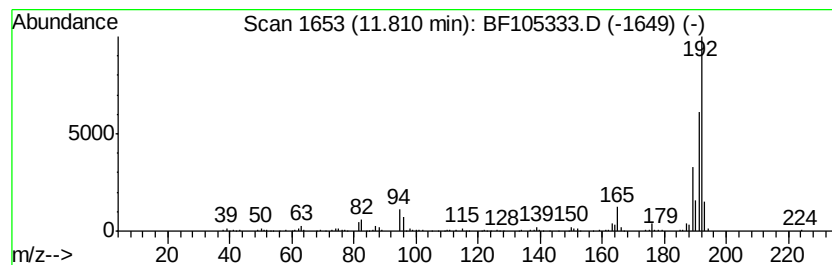
Instrument :
BNA_F
ClientSampleId :
003

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.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 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	4.45 ng	303955	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

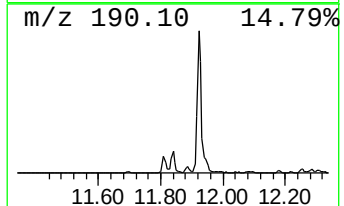
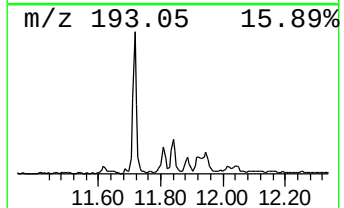
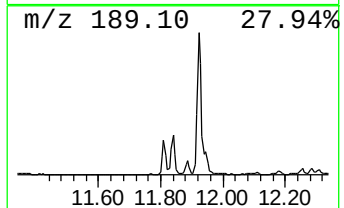
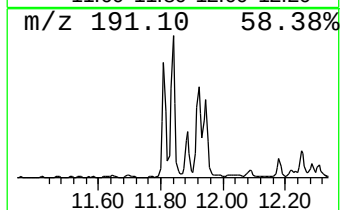
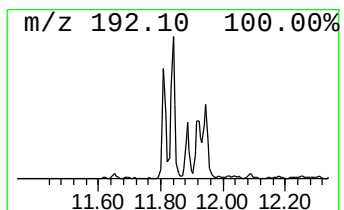
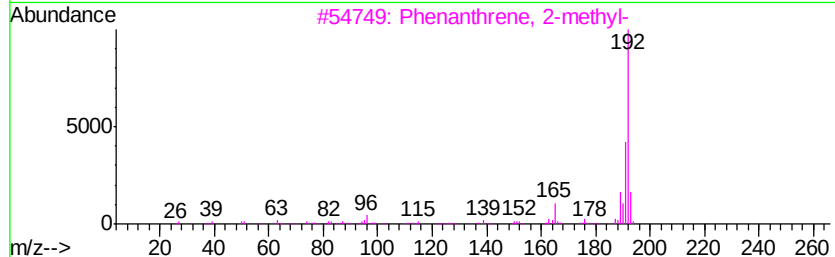
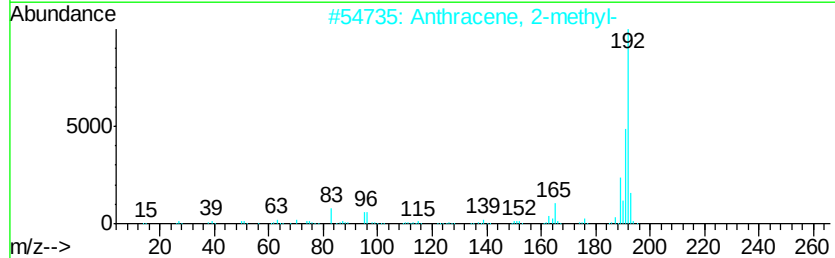
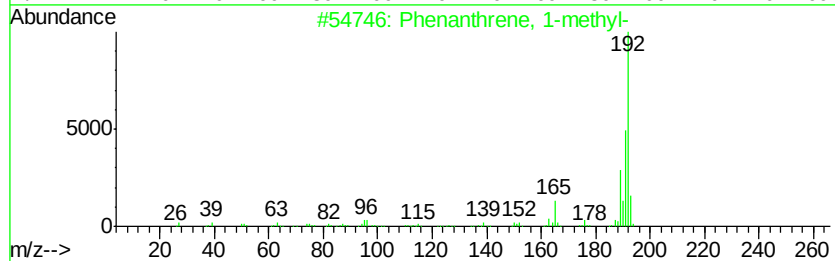
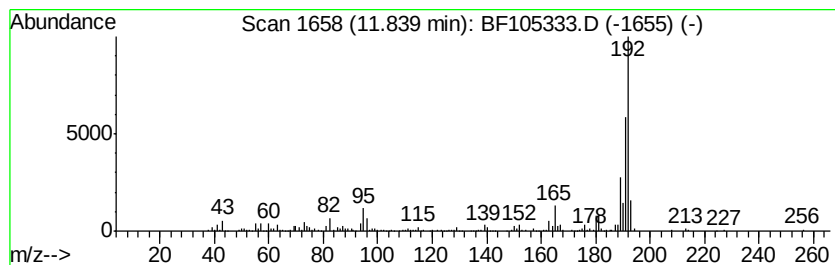
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	8.32 ng	568277	Phenanthrene-d10	11.31

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

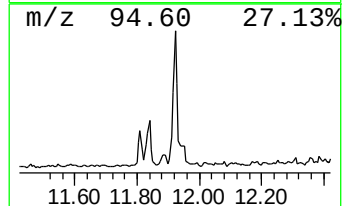
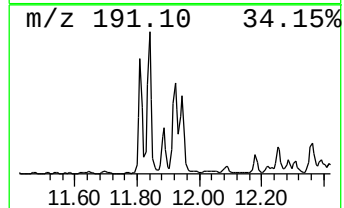
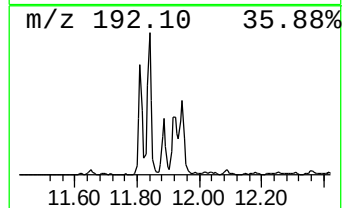
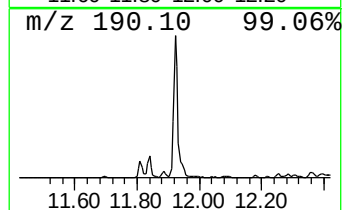
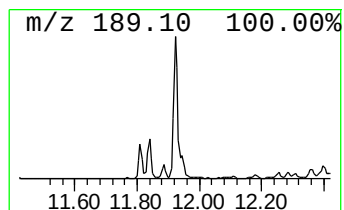
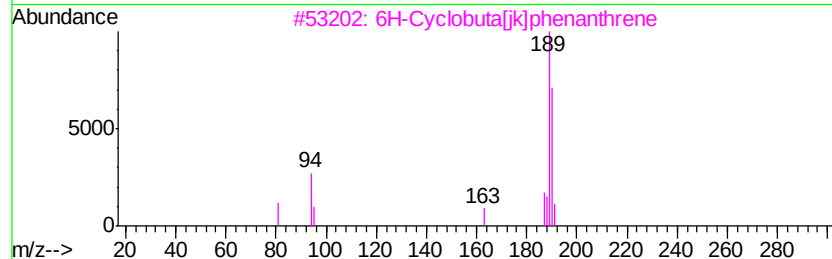
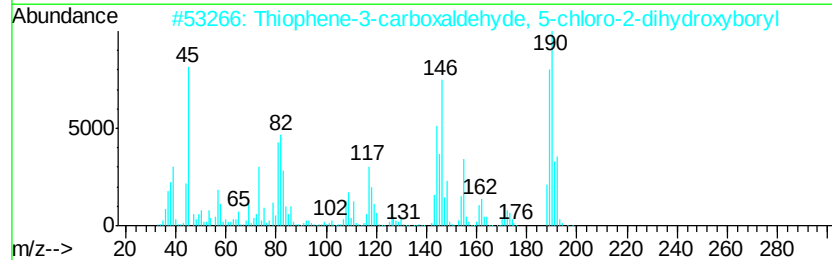
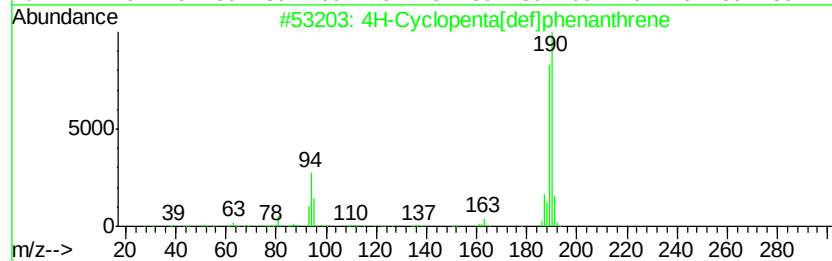
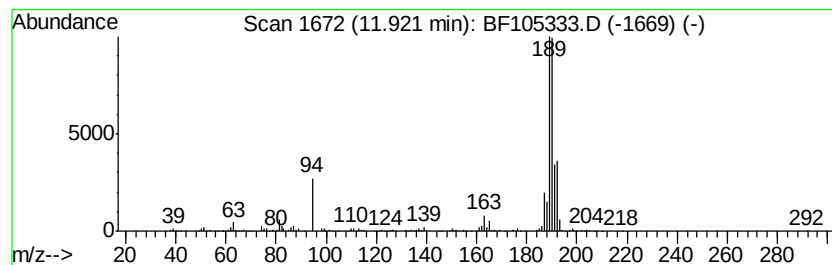
Instrument :
BNA_F
ClientSampleId :
003

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.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 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	9.33 ng	637494	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

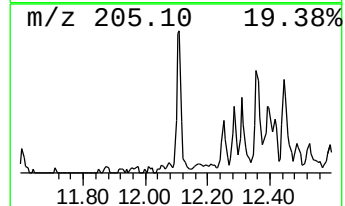
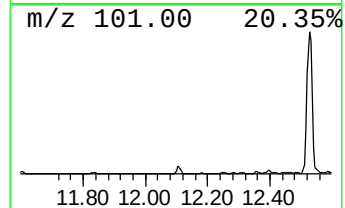
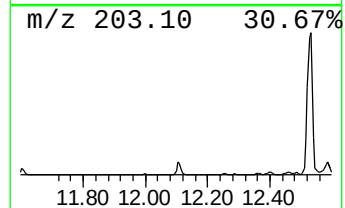
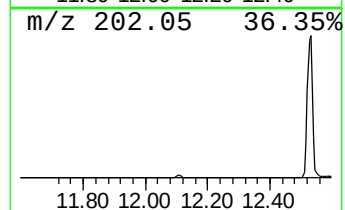
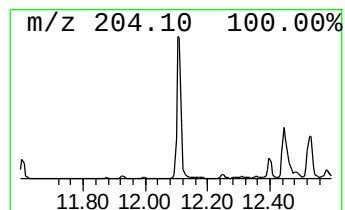
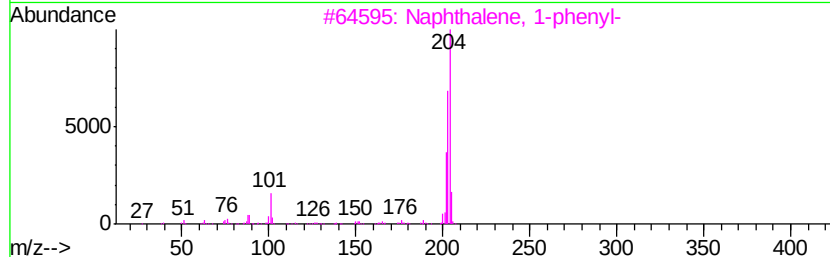
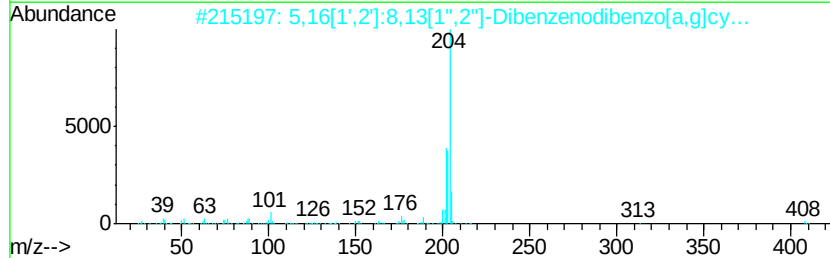
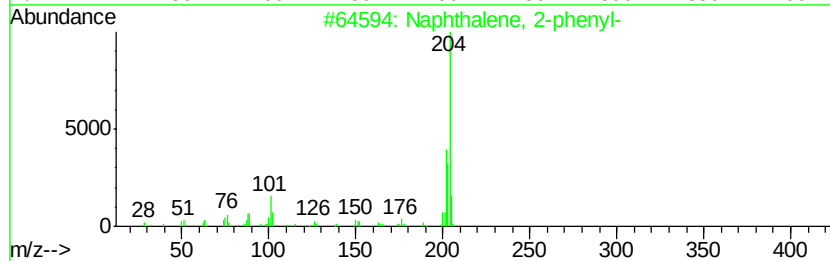
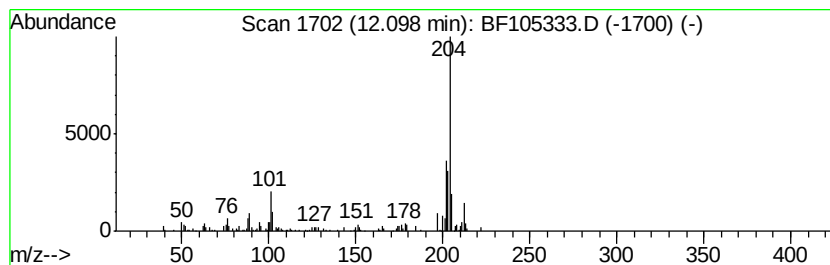
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.30 ng	225714	Phenanthrene-d10	11.31

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	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

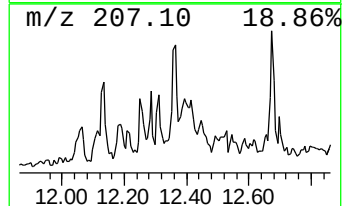
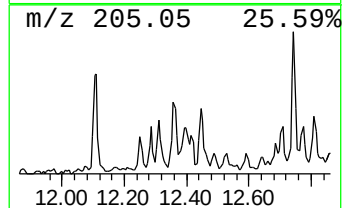
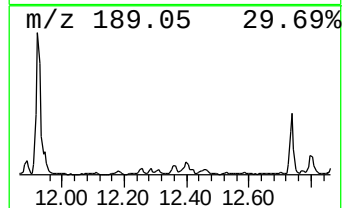
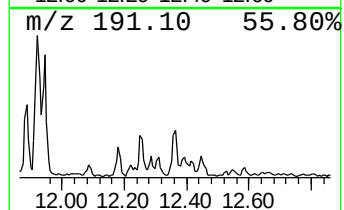
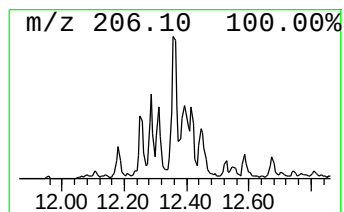
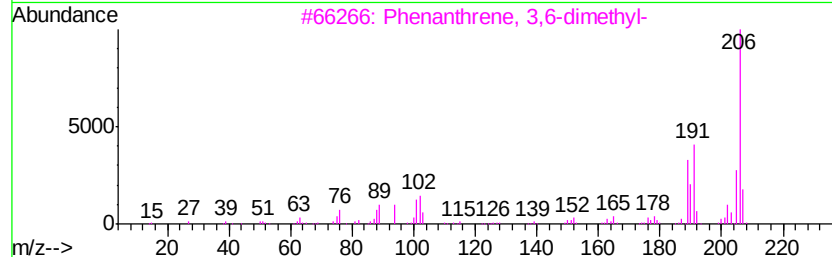
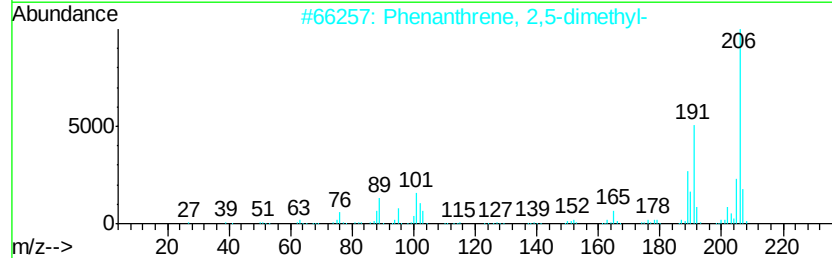
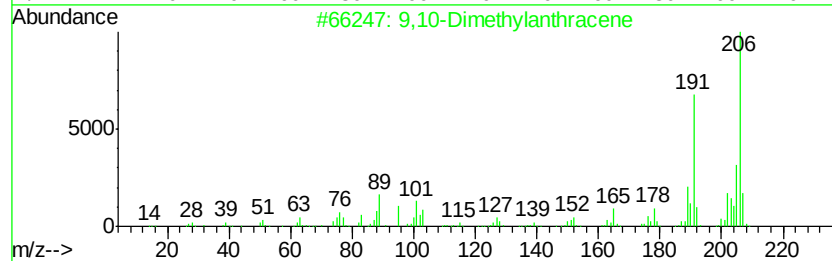
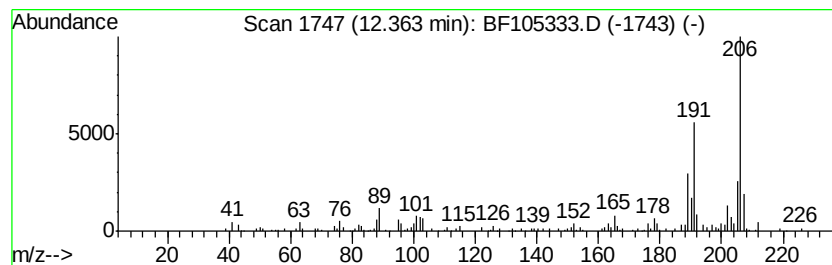
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Dimethylantracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.54 ng	173774	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	93
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

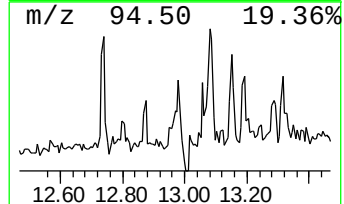
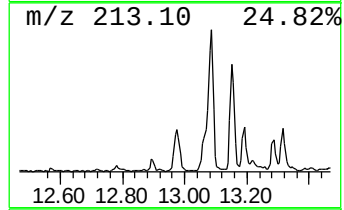
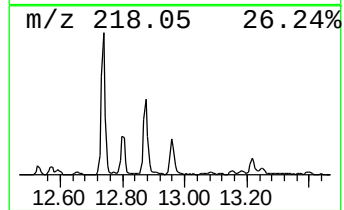
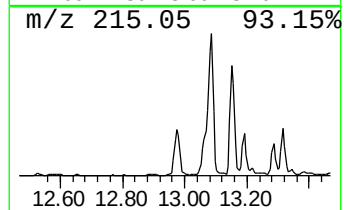
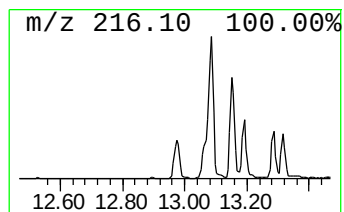
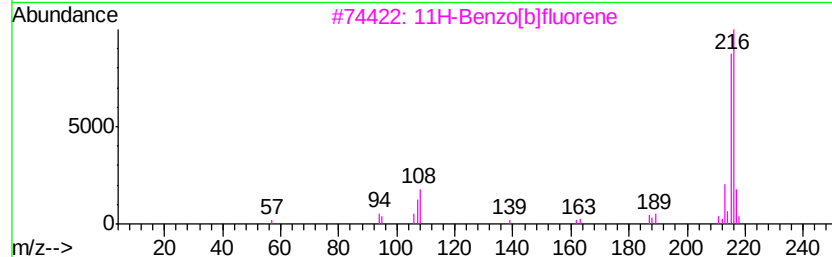
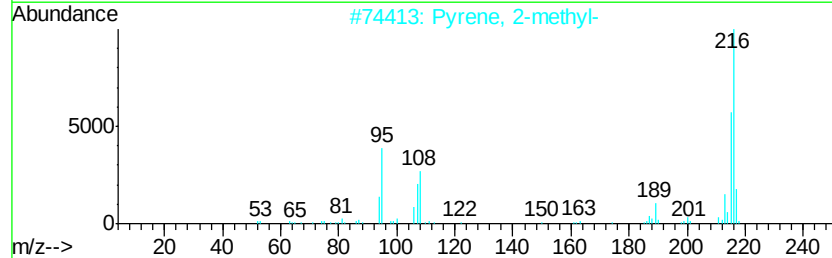
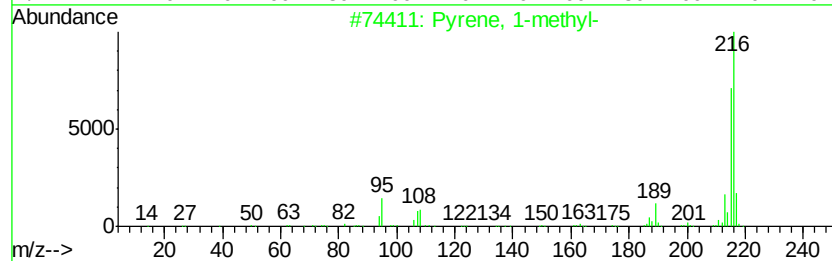
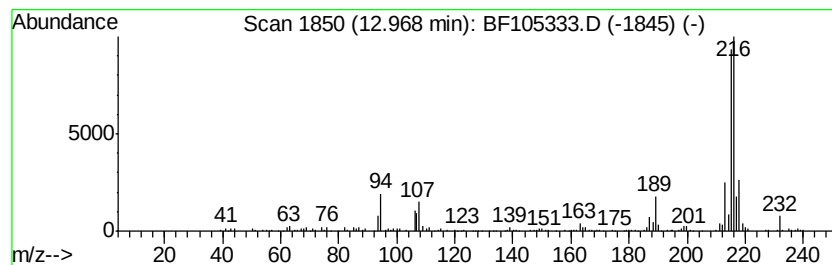
Instrument :
BNA_F
ClientSampleId :
003

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.97	2.20 ng	398574	Chrysene-d12	14.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

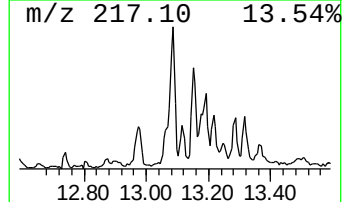
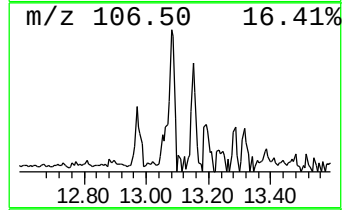
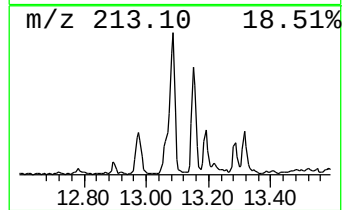
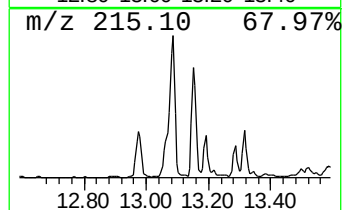
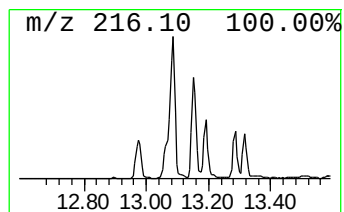
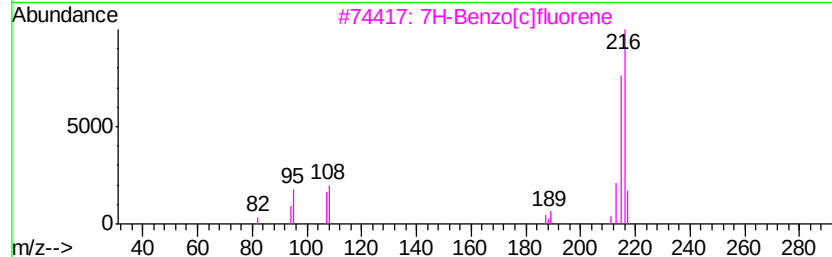
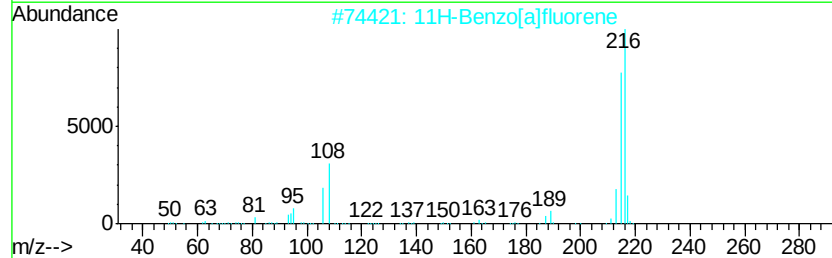
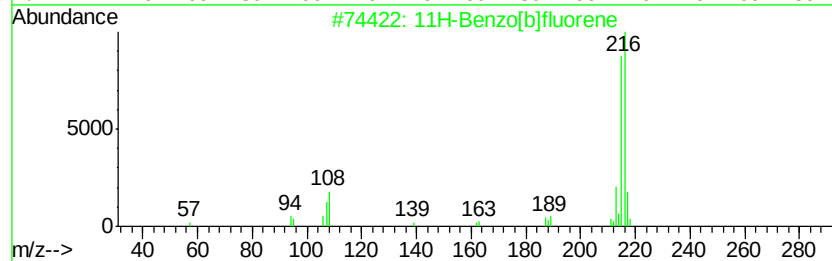
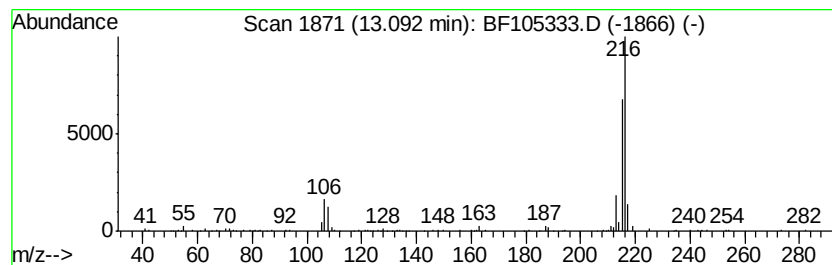
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.70 ng	669886	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

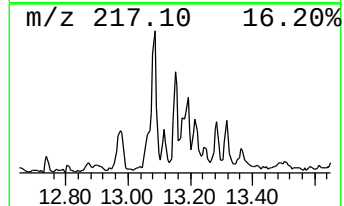
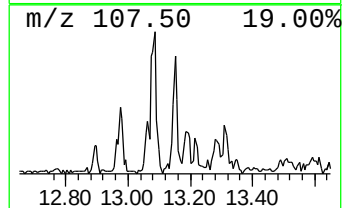
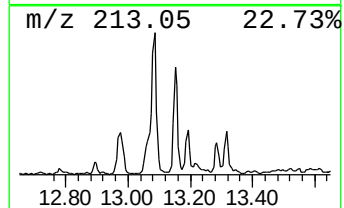
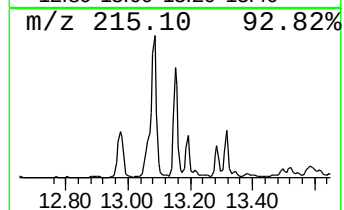
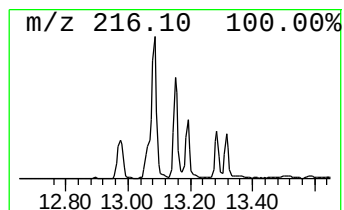
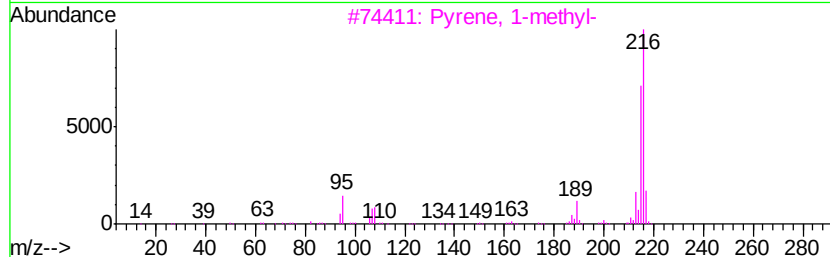
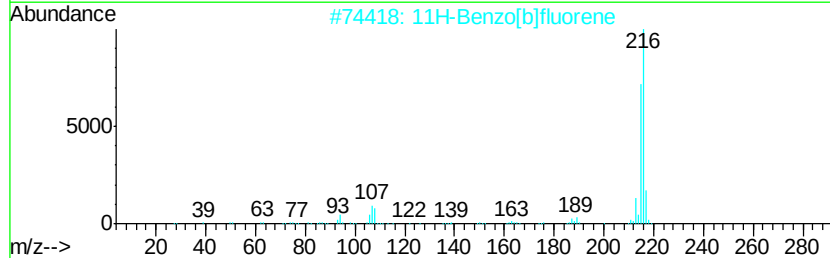
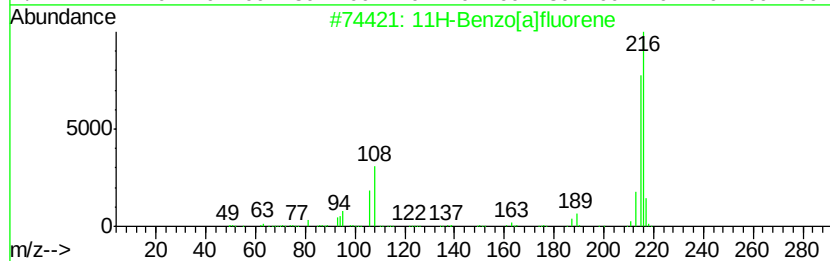
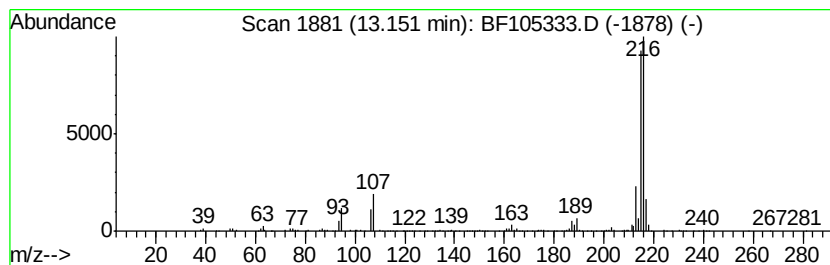
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.11 ng	382595	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5		1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

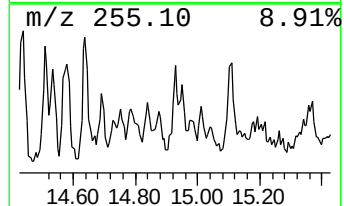
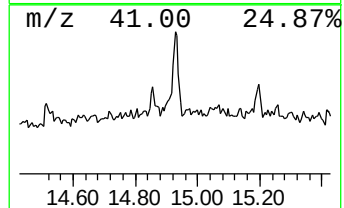
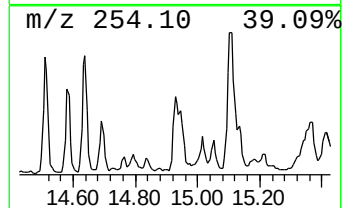
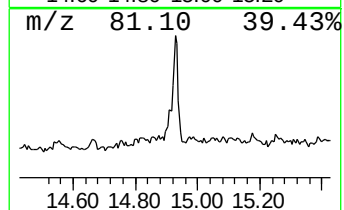
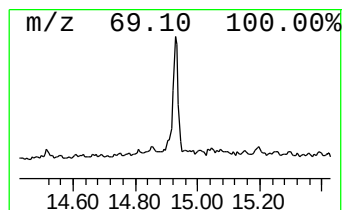
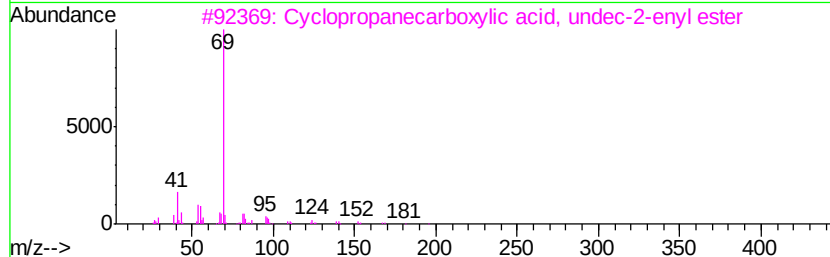
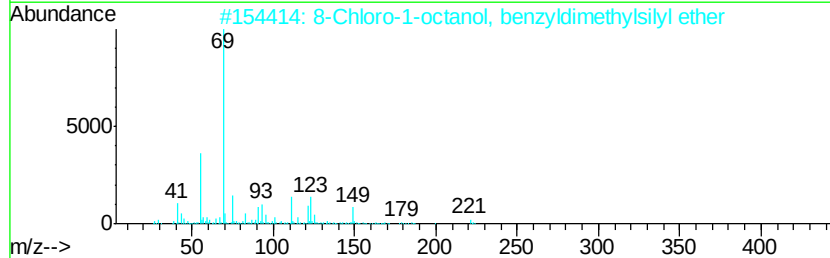
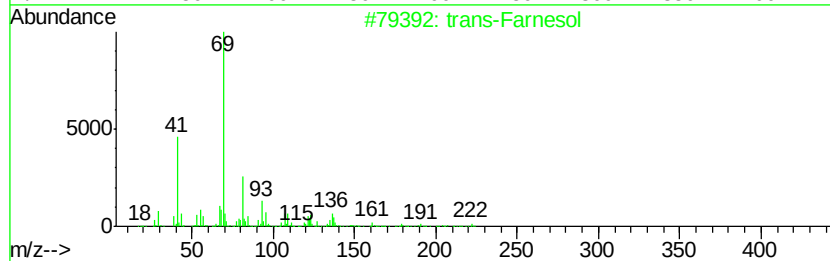
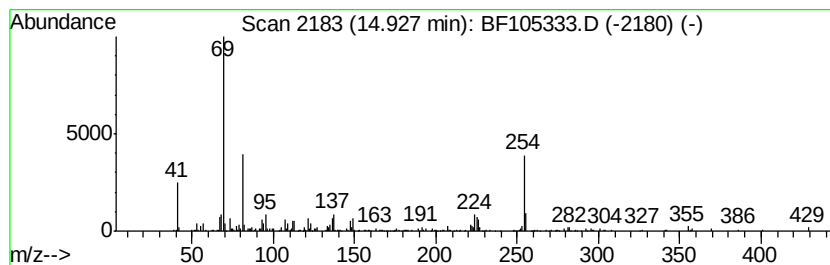
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown14.93 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	5.07 ng	271412	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Farnesol	222	C15H26O	000106-28-5	38
2		8-Chloro-1-octanol, benzyldimeth...	312	C17H29ClOSi	1000375-56-9	37
3		Cyclopropanecarboxylic acid, und...	238	C15H26O2	1000299-38-1	35
4		1,3-Dioxolan-2-one, 3-methyl-3-(...	264	C16H24O3	336879-76-6	32
5		7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	32



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

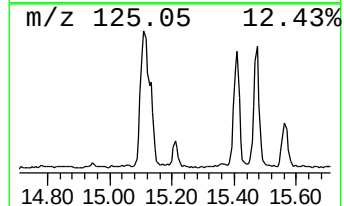
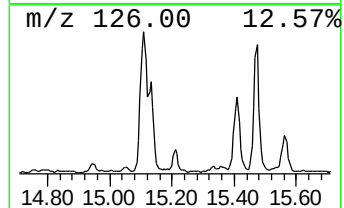
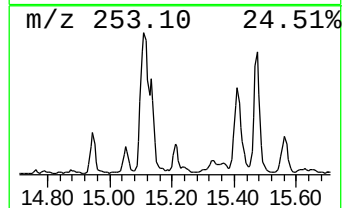
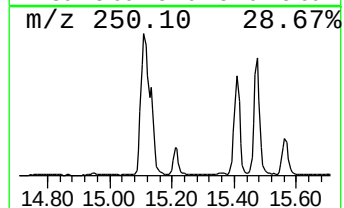
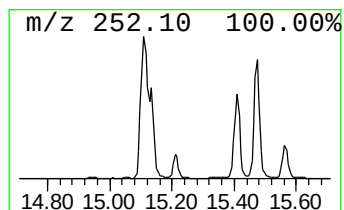
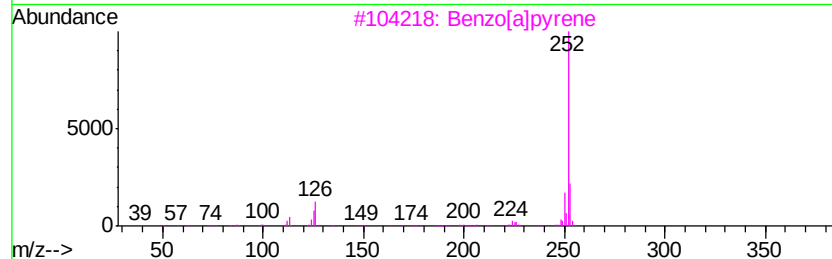
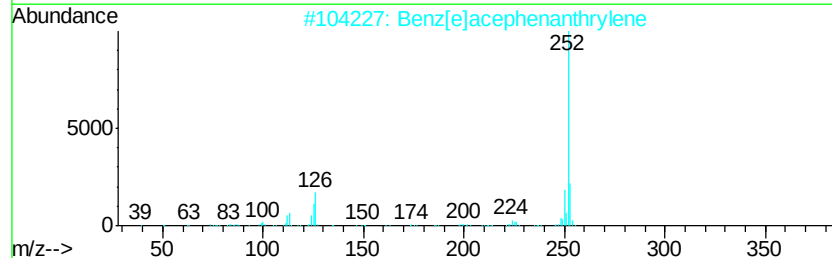
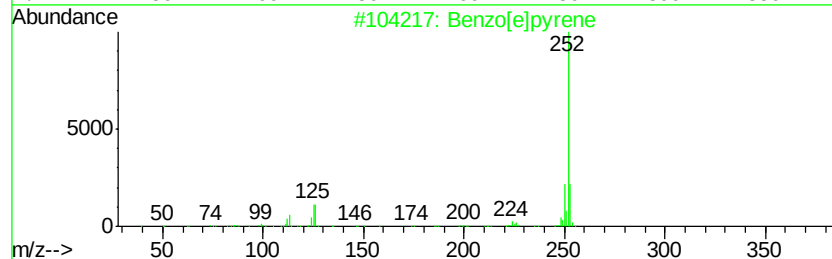
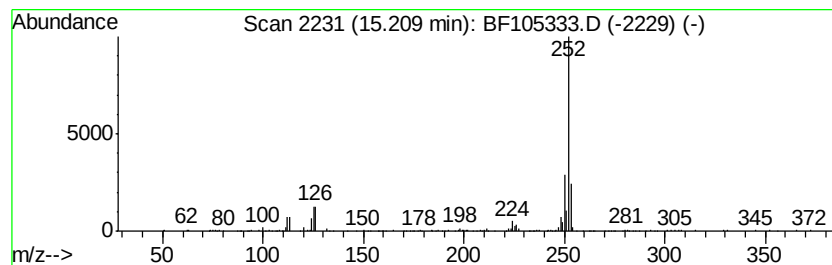
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	4.45 ng	238332	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	91
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

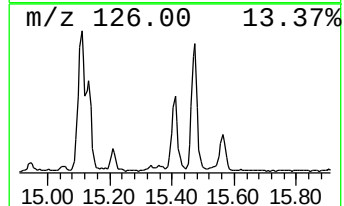
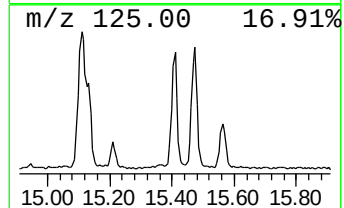
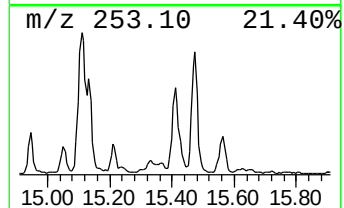
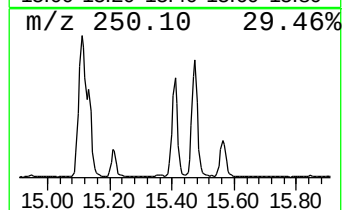
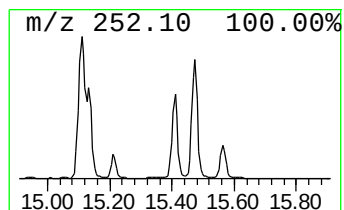
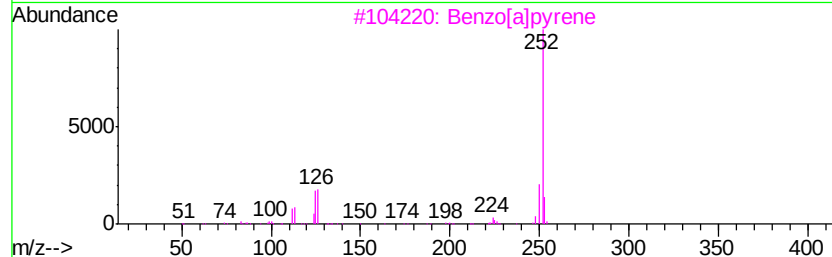
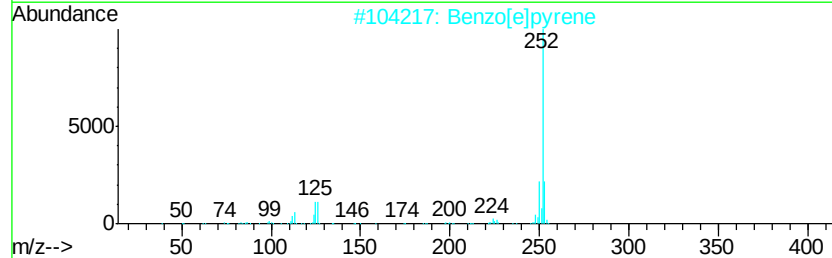
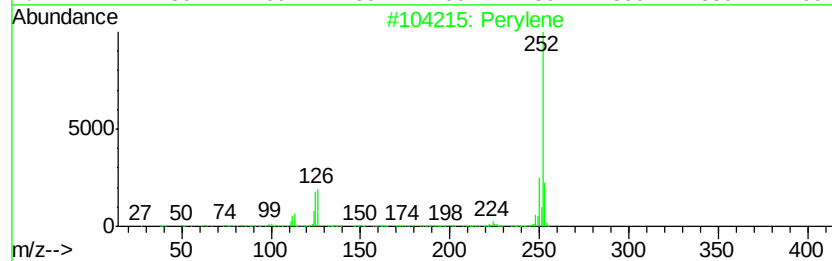
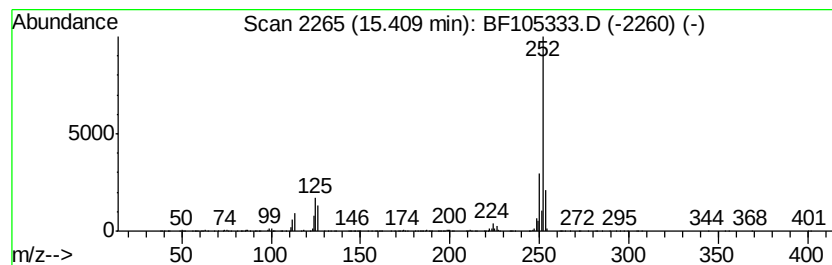
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	21.53 ng	1153330	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[il]fluoranthene	252	C20H12	000205-82-3	90
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
003

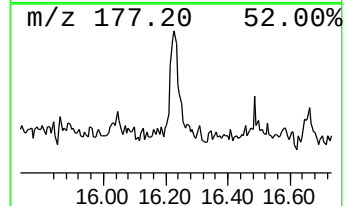
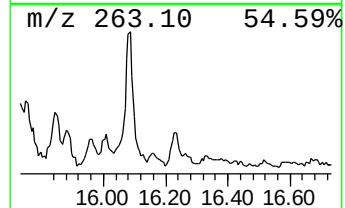
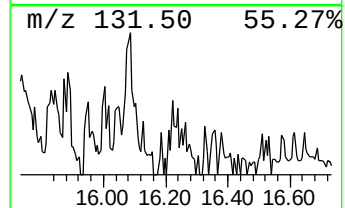
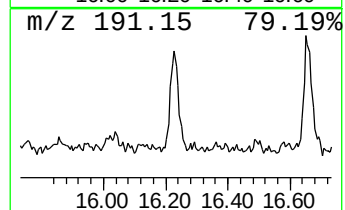
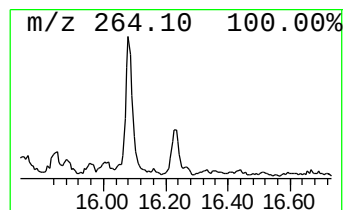
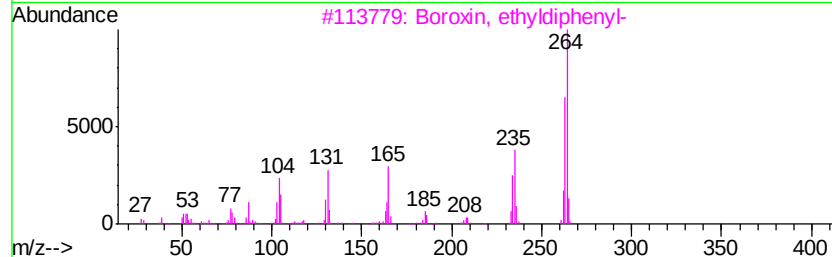
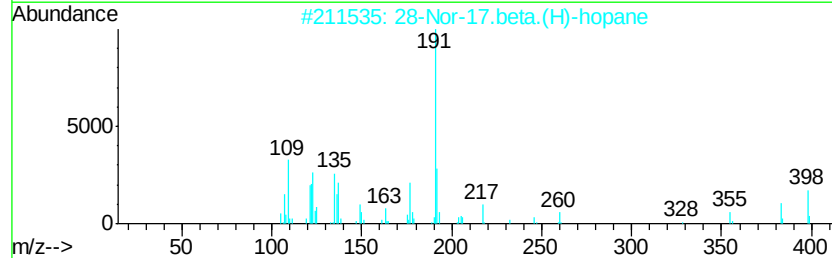
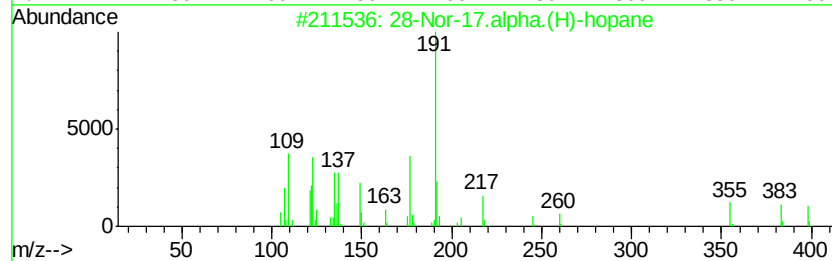
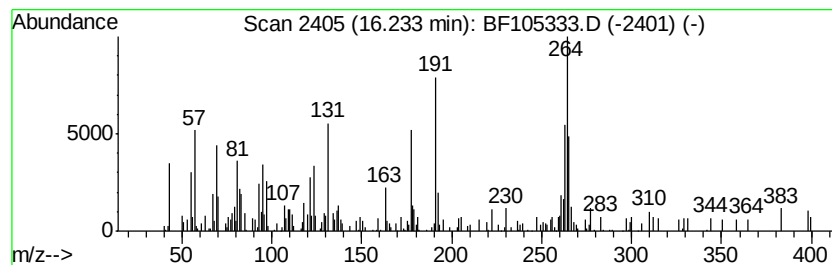
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	4.65 ng	248978	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	51
2		28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	47
3		Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	30
4		Furazano[3,4-H]1,6-naphthvyridin-...	264	C14H8N4O2	296245-19-7	25
5		N,N-Tetramethylene-3,4-dimethoxy...	261	C15H19NO3	327079-67-4	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
 Data File : BF105333.D
 Acq On : 12 May 2018 13:26
 Operator : JU/SJ
 Sample : J2706-03 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 003

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.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
2-Pentanone, 4-hy...	4.97	6.7 ng		333713	1	6.79	989736	20.0
unknown6.55	6.55	11.4 ng		566761	1	6.79	989736	20.0
.beta.-D-Glucopyr...	9.76	7.0 ng		503602	3	9.82	1440840	20.0
2-Propanol, 1-chl...	11.17	8.9 ng		611392	4	11.31	1366360	20.0
Naphtho[2,1-b]thi...	11.20	3.0 ng		207126	4	11.31	1366360	20.0
unknown11.72	11.72	7.0 ng		476433	4	11.31	1366360	20.0
Anthracene, 2-met...	11.81	4.5 ng		303955	4	11.31	1366360	20.0
Phenanthrene, 1-m...	11.84	8.3 ng		568277	4	11.31	1366360	20.0
4H-Cyclopenta[def...	11.92	9.3 ng		637494	4	11.31	1366360	20.0
Naphthalene, 2-ph...	12.10	3.3 ng		225714	4	11.31	1366360	20.0
9,10-Dimethylanthe...	12.36	2.5 ng		173774	4	11.31	1366360	20.0
Pyrene, 1-methyl-	12.97	2.2 ng		398574	5	14.00	3623980	20.0
11H-Benzo[b]fluorene	13.09	3.7 ng		669886	5	14.00	3623980	20.0
11H-Benzo[a]fluorene	13.15	2.1 ng		382595	5	14.00	3623980	20.0
unknown14.93	14.93	5.1 ng		271412	6	15.53	1071260	20.0
Benzo[e]pyrene	15.21	4.5 ng		238332	6	15.53	1071260	20.0
Perylene	15.41	21.5 ng		1153330	6	15.53	1071260	20.0
28-Nor-17.alpha.(...	16.23	4.7 ng		248978	6	15.53	1071260	20.0