

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102477.D
 Acq On : 26 Jan 2018 19:09
 Operator : SJ/JU
 Sample : J1020-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

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-BF012218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.328	547	551	566	rBV	2020797	2032093	62.85%	3.842%
2	6.363	723	727	745	rBV	2386418	2387288	73.84%	4.513%
3	6.487	745	748	757	rVV	2186777	2082031	64.40%	3.936%
4	6.722	784	788	796	rBV	1029620	959456	29.68%	1.814%
5	6.875	810	814	824	rBV	1779229	1541777	47.69%	2.915%
6	7.287	880	884	894	rBV	993052	1023550	31.66%	1.935%
7	8.004	1002	1006	1008	rBV	1525884	1222068	37.80%	2.310%
8	8.022	1008	1009	1018	rVB	288087	249053	7.70%	0.471%
9	8.716	1124	1127	1134	rBV	297192	261219	8.08%	0.494%
10	8.816	1140	1144	1150	rVB	301058	258444	7.99%	0.489%
11	9.081	1185	1189	1194	rBV	2143404	1973182	61.03%	3.730%
12	9.345	1229	1234	1238	rBV	185906	253218	7.83%	0.479%
13	9.416	1242	1246	1249	rVV	348539	356806	11.04%	0.675%
14	9.445	1249	1251	1253	rVV	198387	176665	5.46%	0.334%
15	9.475	1253	1256	1263	rVB	364034	344929	10.67%	0.652%
16	9.533	1263	1266	1275	rBV	180360	216002	6.68%	0.408%
17	9.616	1277	1280	1284	rVV	214942	187082	5.79%	0.354%
18	9.686	1289	1292	1295	rVB	112950	89386	2.76%	0.169%
19	9.757	1296	1304	1307	rBV	1543635	1338465	41.40%	2.530%
20	9.786	1307	1309	1313	rVV	402895	394638	12.21%	0.746%
21	9.863	1318	1322	1326	rVB2	85484	111225	3.44%	0.210%
22	9.910	1326	1330	1333	rBV3	58353	83434	2.58%	0.158%
23	9.963	1334	1339	1342	rVV2	251933	284681	8.81%	0.538%
24	9.998	1342	1345	1349	rVB2	173368	159038	4.92%	0.301%
25	10.075	1354	1358	1360	rBV	138585	141377	4.37%	0.267%
26	10.104	1360	1363	1369	rVB	109470	106957	3.31%	0.202%
27	10.163	1369	1373	1374	rBV2	92100	114365	3.54%	0.216%
28	10.180	1374	1376	1379	rVB	198792	156867	4.85%	0.297%
29	10.304	1394	1397	1403	rVB	635791	588552	18.20%	1.113%
30	10.369	1406	1408	1410	rVV	148831	132867	4.11%	0.251%
31	10.392	1410	1412	1414	rVV2	120118	118282	3.66%	0.224%
32	10.463	1418	1424	1427	rVB3	122046	164988	5.10%	0.312%
33	10.545	1435	1438	1444	rBV	827056	884076	27.35%	1.671%
34	10.657	1454	1457	1465	rVB3	137531	239995	7.42%	0.454%

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102477.D
 Acq On : 26 Jan 2018 19:09
 Operator : SJ/JU
 Sample : J1020-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

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-BF012218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.851	1484	1490	1493	rBV2	258404	328569	10.16%	0.621%
36	10.880	1493	1495	1498	rVV2	187165	166511	5.15%	0.315%
37	10.933	1501	1504	1507	rVV	158716	147181	4.55%	0.278%
38	10.980	1507	1512	1514	rVV3	89506	140431	4.34%	0.265%
39	11.004	1514	1516	1521	rVV	104723	123173	3.81%	0.233%
40	11.051	1521	1524	1527	rVV3	103022	111057	3.44%	0.210%
41	11.098	1528	1532	1535	rVV2	113439	162826	5.04%	0.308%
42	11.139	1535	1539	1545	rVB	255995	273472	8.46%	0.517%
43	11.245	1553	1557	1559	rBV	1150613	1082851	33.49%	2.047%
44	11.269	1559	1561	1565	rVV	2631369	2427143	75.07%	4.589%
45	11.322	1567	1570	1573	rVV	839400	721908	22.33%	1.365%
46	11.357	1573	1576	1578	rVV2	65563	81319	2.52%	0.154%
47	11.480	1593	1597	1603	rBV3	135088	201617	6.24%	0.381%
48	11.533	1603	1606	1609	rVV2	127683	135023	4.18%	0.255%
49	11.575	1610	1613	1618	rVB	218448	214123	6.62%	0.405%
50	11.657	1624	1627	1632	rVB	130371	147548	4.56%	0.279%
51	11.745	1638	1642	1645	rVV	857313	778581	24.08%	1.472%
52	11.775	1645	1647	1651	rVV	993359	773254	23.92%	1.462%
53	11.822	1652	1655	1658	rVV	365480	311508	9.64%	0.589%
54	11.857	1658	1661	1663	rVV	1087817	1101820	34.08%	2.083%
55	11.880	1663	1665	1671	rVB	619147	497232	15.38%	0.940%
56	12.039	1689	1692	1695	rBV	321092	286749	8.87%	0.542%
57	12.074	1695	1698	1702	rVB	198396	192654	5.96%	0.364%
58	12.192	1715	1718	1720	rVB	139096	116658	3.61%	0.221%
59	12.222	1720	1723	1725	rBV	201456	153080	4.73%	0.289%
60	12.245	1725	1727	1731	rVB	153269	126545	3.91%	0.239%
61	12.298	1732	1736	1738	rBV	482724	527878	16.33%	0.998%
62	12.333	1738	1742	1744	rVV3	314336	388295	12.01%	0.734%
63	12.386	1748	1751	1755	rBV3	250730	322908	9.99%	0.610%
64	12.463	1759	1764	1767	rBV	2841648	2549137	78.85%	4.819%
65	12.504	1767	1771	1772	rBV2	99893	73562	2.28%	0.139%
66	12.522	1772	1774	1777	rVB2	115258	95090	2.94%	0.180%
67	12.610	1785	1789	1792	rBV2	128141	138433	4.28%	0.262%
68	12.692	1796	1803	1808	rBV	2829101	3233024	100.00%	6.112%
69	12.739	1808	1811	1815	rVB2	167404	200986	6.22%	0.380%
70	12.827	1819	1826	1829	rBV	1564140	1489655	46.08%	2.816%
71	12.910	1835	1840	1844	rBV3	322037	502667	15.55%	0.950%

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102477.D
 Acq On : 26 Jan 2018 19:09
 Operator : SJ/JU
 Sample : J1020-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

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-BF012218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.992	1851	1854	1856	rBV2	263377	341248	10.56%	0.645%
73	13.016	1856	1858	1861	rVB	637238	539913	16.70%	1.021%
74	13.063	1861	1866	1867	rBV3	58729	88832	2.75%	0.168%
75	13.080	1867	1869	1872	rVB	475761	392994	12.16%	0.743%
76	13.121	1872	1876	1878	rBV2	536328	503160	15.56%	0.951%
77	13.210	1888	1891	1894	rBV	333794	312182	9.66%	0.590%
78	13.245	1894	1897	1900	rBV	345242	316311	9.78%	0.598%
79	13.398	1919	1923	1924	rBV3	74914	102175	3.16%	0.193%
80	13.439	1928	1930	1932	rVB	101252	85744	2.65%	0.162%
81	13.498	1937	1940	1942	rVV	126174	148515	4.59%	0.281%
82	13.527	1942	1945	1949	rVV	232425	280579	8.68%	0.530%
83	13.633	1959	1963	1966	rVV2	290911	397885	12.31%	0.752%
84	13.663	1966	1968	1970	rVV	313037	264690	8.19%	0.500%
85	13.686	1970	1972	1976	rVV2	205948	289907	8.97%	0.548%
86	13.733	1977	1980	1987	rVB4	273668	457920	14.16%	0.866%
87	13.880	2001	2005	2009	rBV2	1439096	2265844	70.08%	4.284%
88	13.916	2009	2011	2018	rVB	1345452	1115683	34.51%	2.109%
89	13.974	2018	2021	2022	rBV	122395	115777	3.58%	0.219%
90	13.992	2022	2024	2026	rVB	186348	131111	4.06%	0.248%
91	14.039	2029	2032	2038	rBV5	130510	238359	7.37%	0.451%
92	14.239	2063	2066	2067	rBV	123340	120030	3.71%	0.227%
93	14.274	2067	2072	2075	rVV	407965	451632	13.97%	0.854%
94	14.310	2075	2078	2081	rVB	183289	186217	5.76%	0.352%
95	14.398	2091	2093	2095	rBV	162847	129575	4.01%	0.245%
96	14.421	2095	2097	2099	rVB	154849	126046	3.90%	0.238%
97	14.915	2177	2181	2183	rBV	564909	783583	24.24%	1.481%
98	15.204	2226	2230	2236	rVB	383882	474505	14.68%	0.897%
99	15.263	2236	2240	2244	rBV	580583	685466	21.20%	1.296%
100	15.321	2246	2250	2253	rBV	494137	590241	18.26%	1.116%

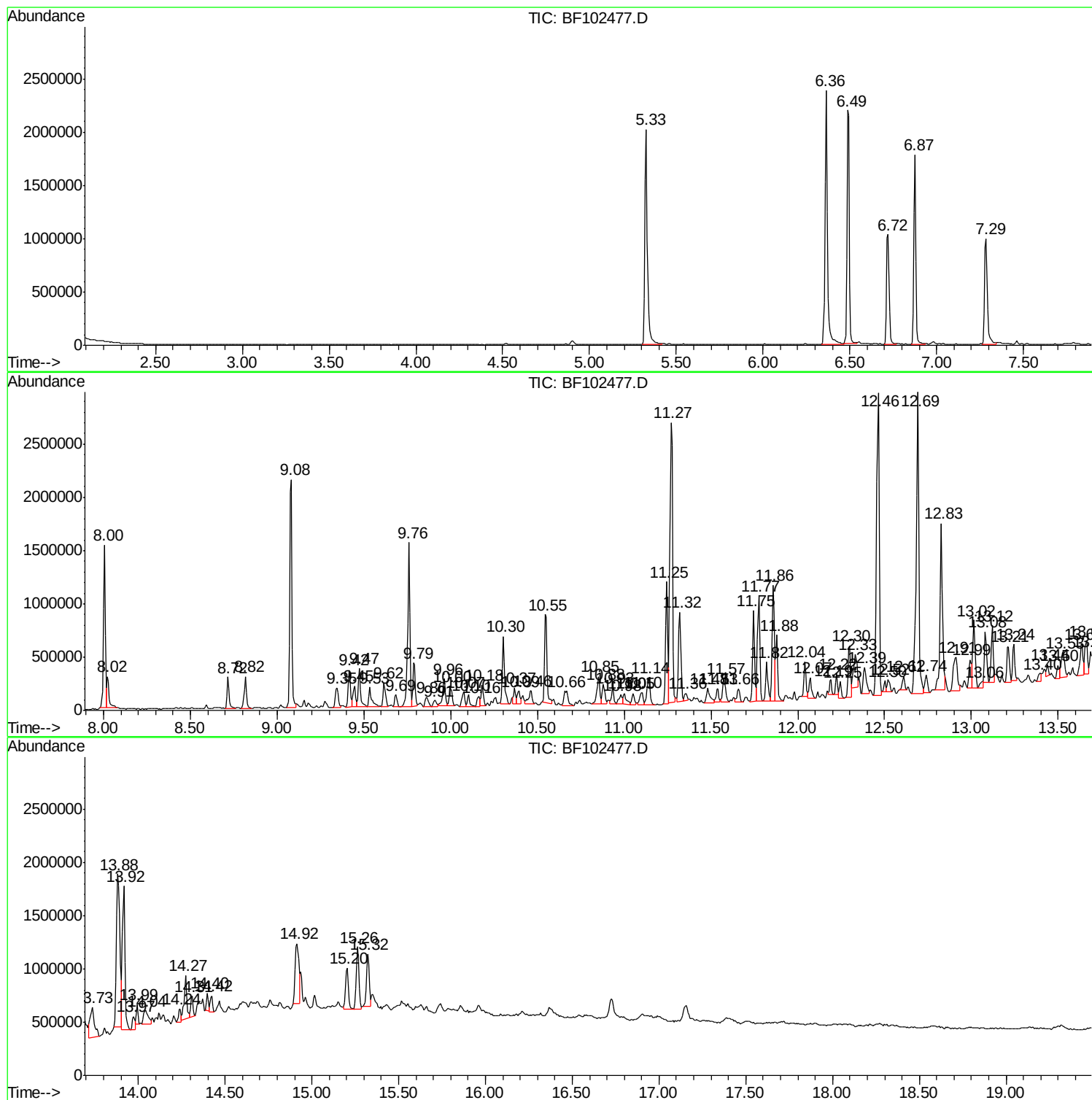
Sum of corrected areas: 52894648

Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

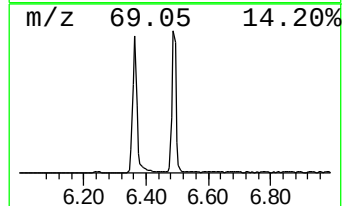
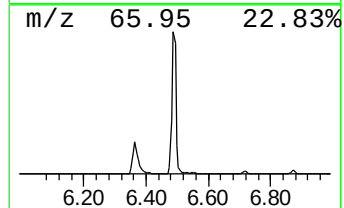
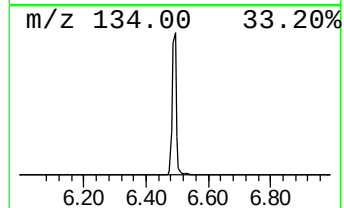
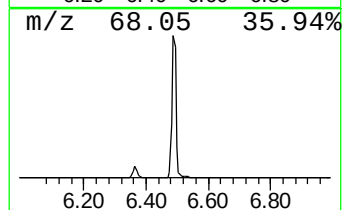
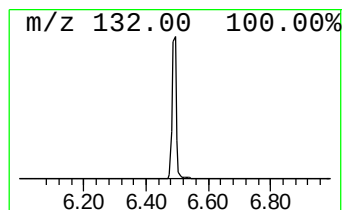
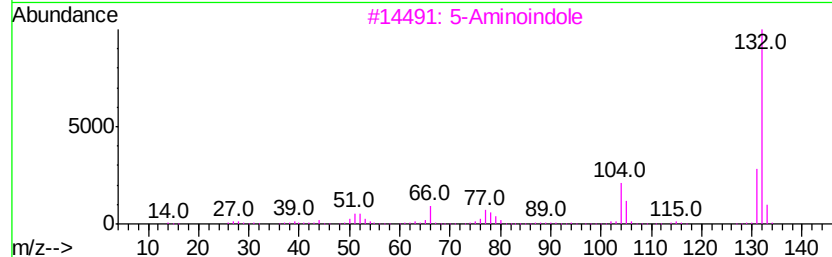
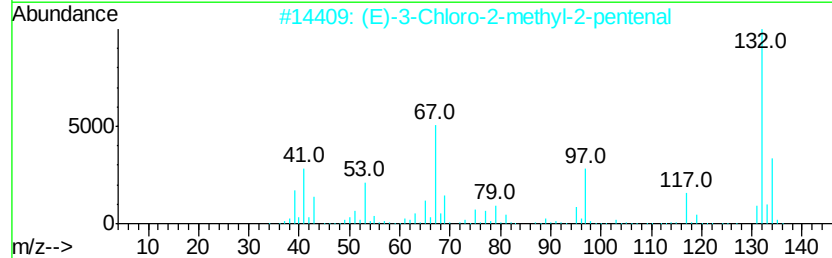
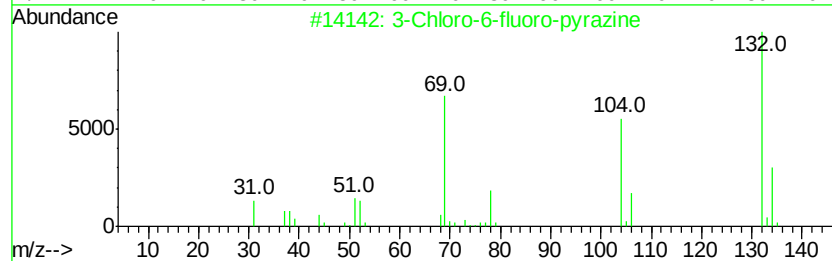
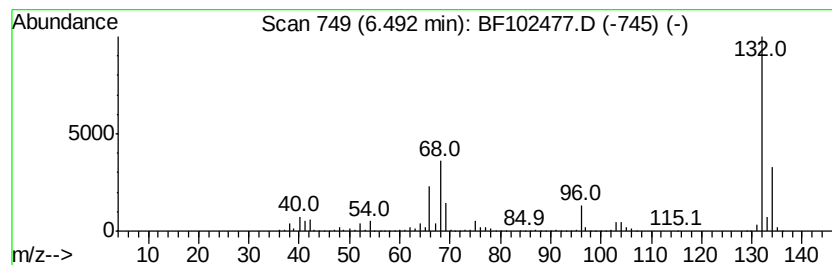
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	43.40 ng	2082030	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

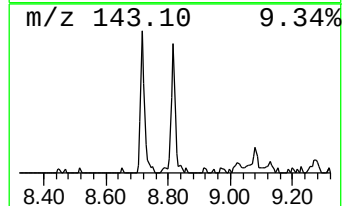
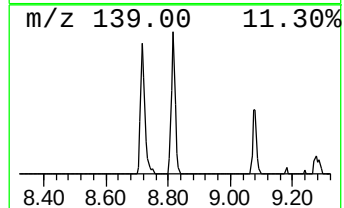
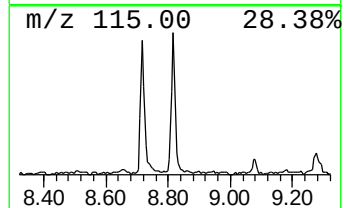
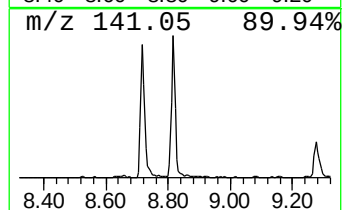
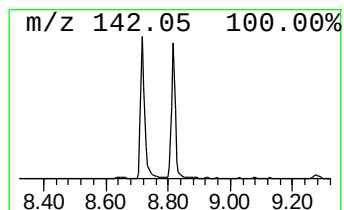
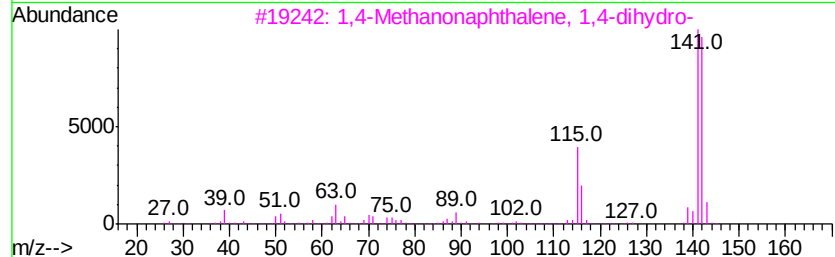
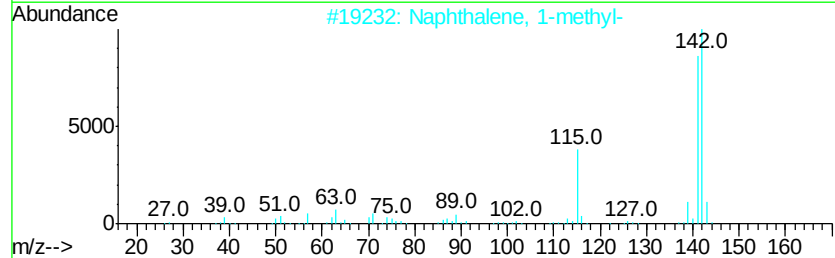
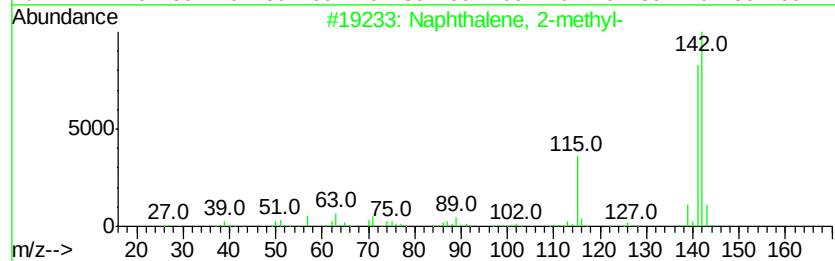
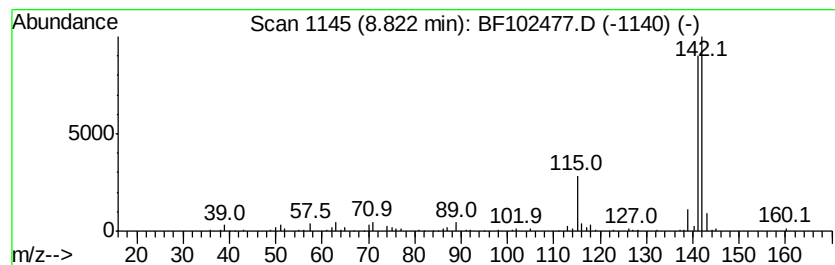
Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	4.23 ng	258444	Naphthalene-d8	8.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
2		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
3		1,4-Methanonaphthalene, 1,4-dihv...	142 C11H10	004453-90-1 91
4		Benzocycloheptatriene	142 C11H10	000264-09-5 91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142 C11H10	002443-46-1 91



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

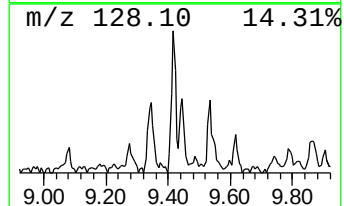
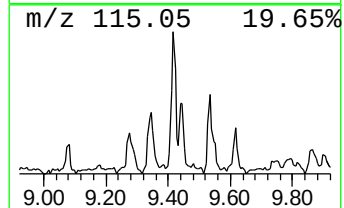
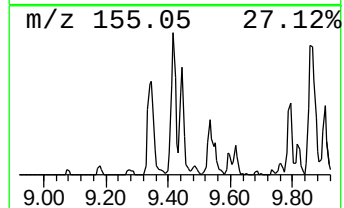
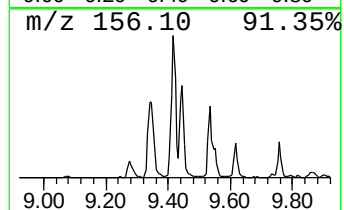
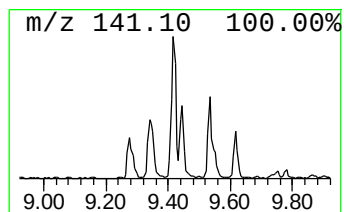
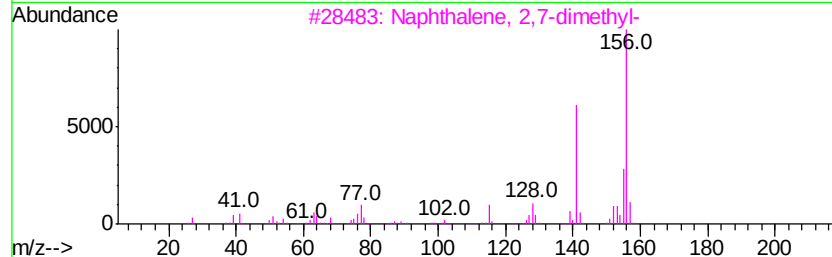
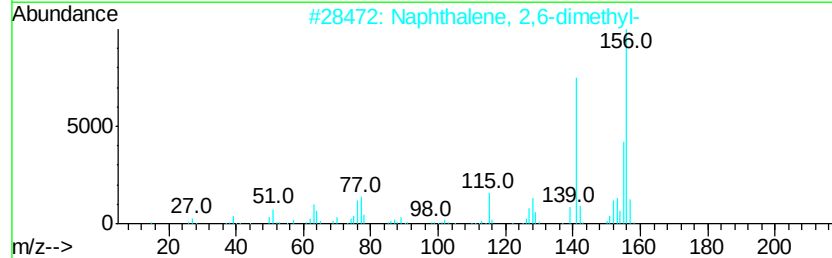
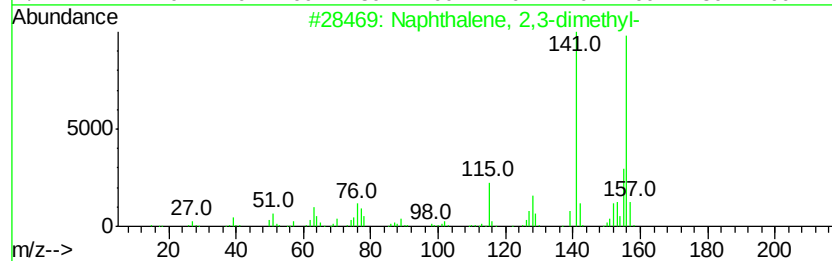
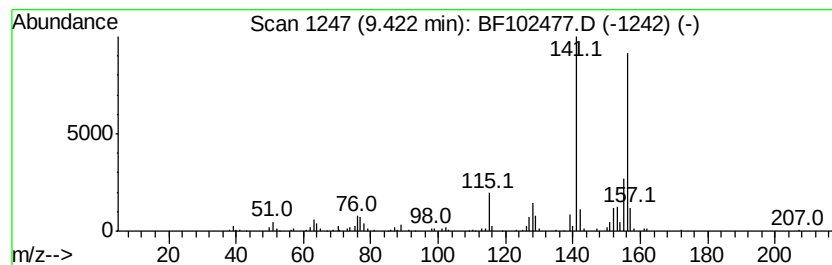
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	5.33 ng	356806	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

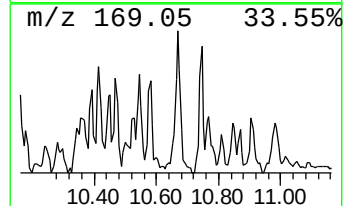
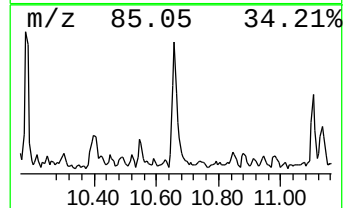
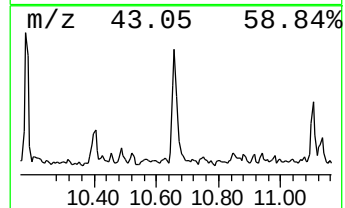
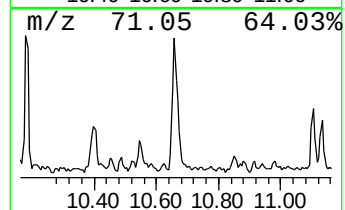
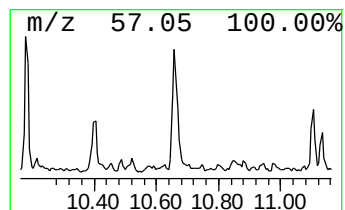
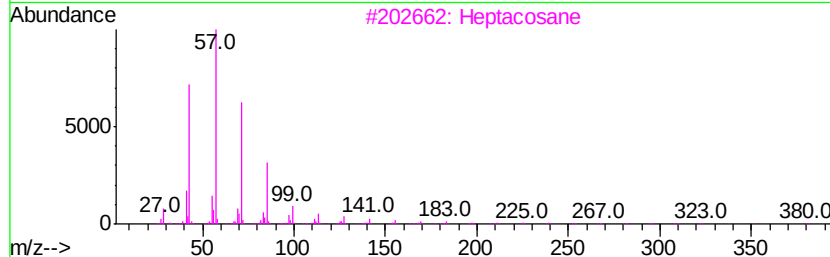
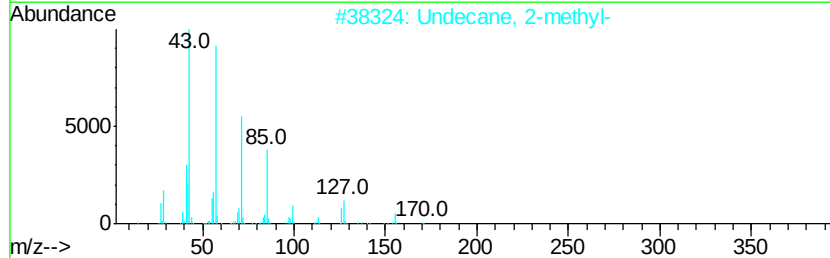
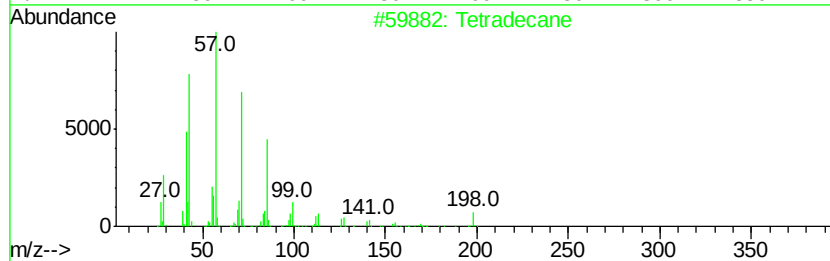
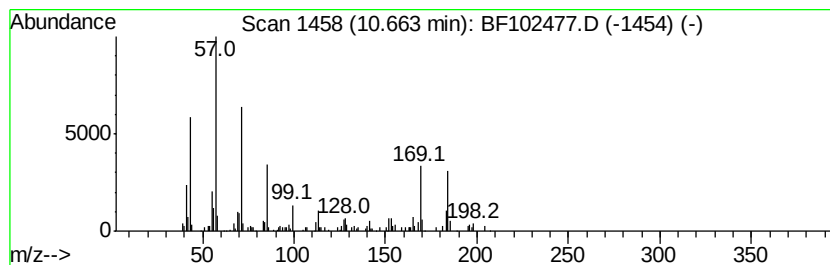
Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.66	4.43 ng	239995	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	83
3	Heptacosane	380	C27H56	000593-49-7	80
4	Tridecane	184	C13H28	000629-50-5	80
5	Eicosane	282	C20H42	000112-95-8	80



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

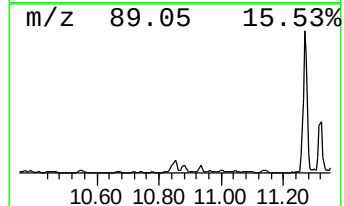
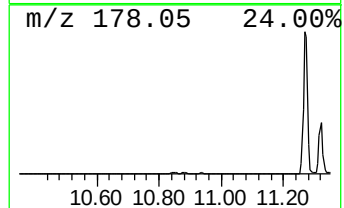
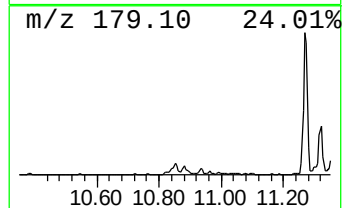
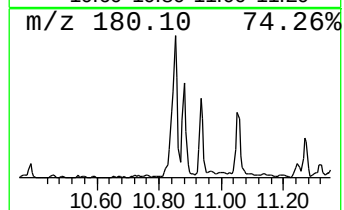
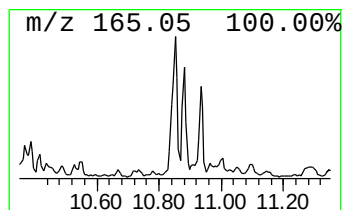
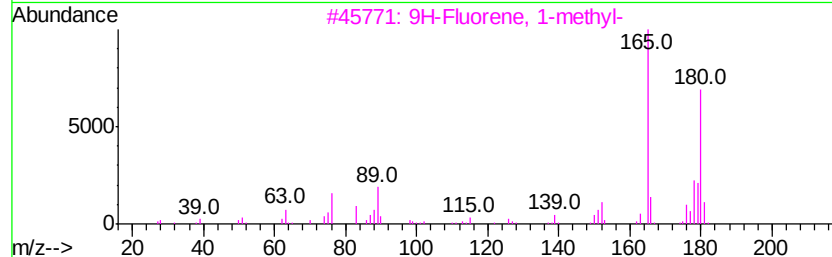
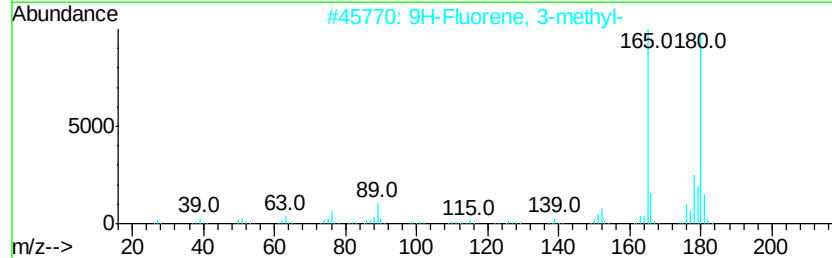
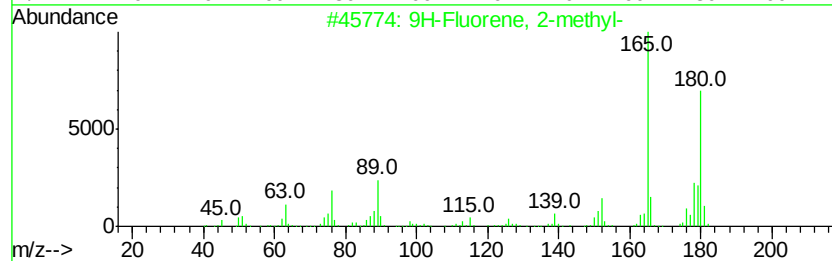
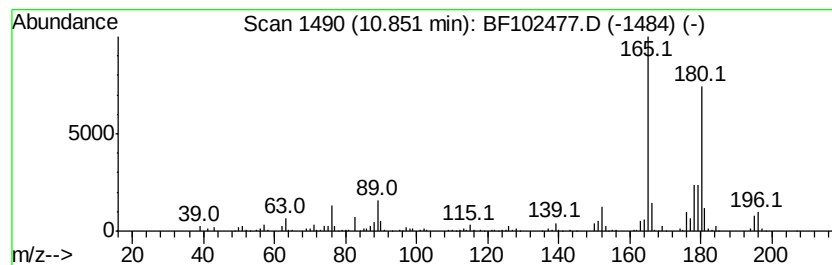
Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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	6.07 ng	328569	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	(E)-Stilbene	180	C14H12	000103-30-0	60



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

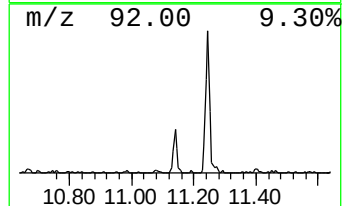
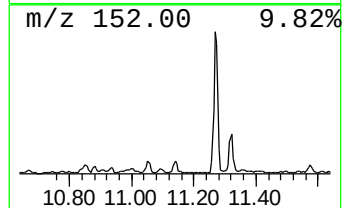
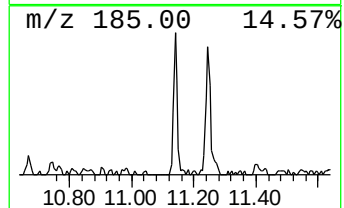
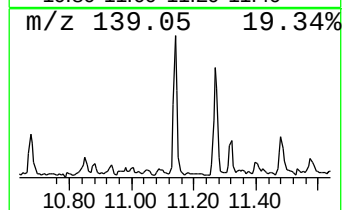
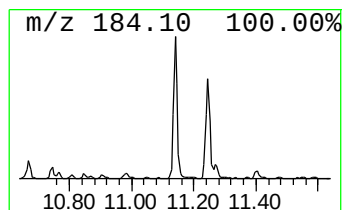
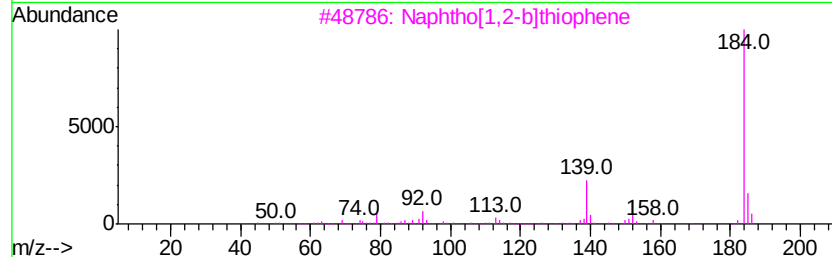
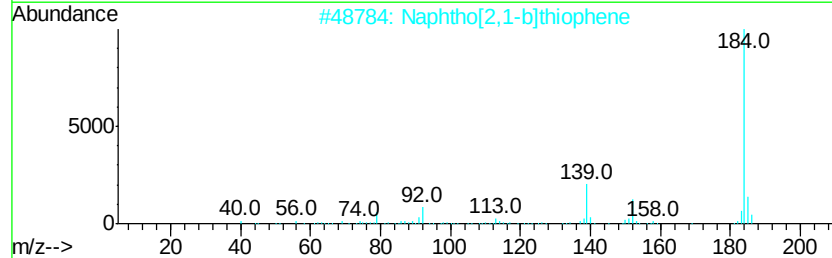
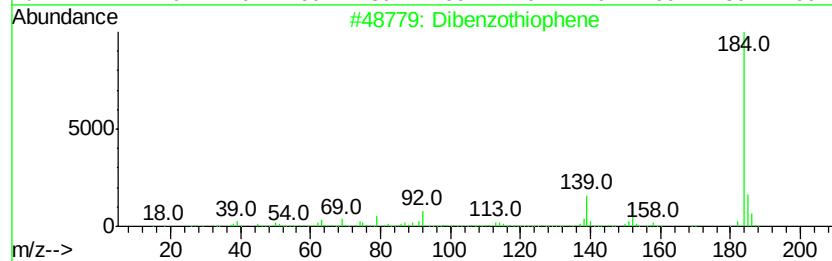
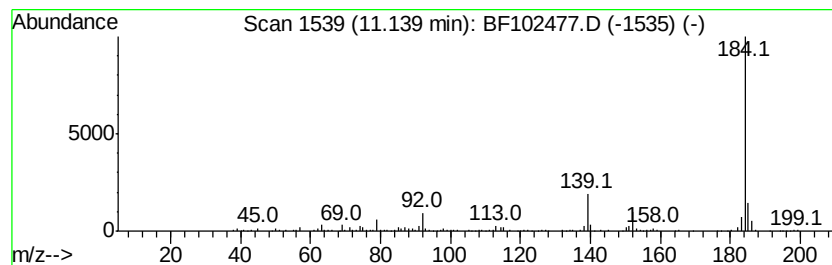
Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.14	5.05 ng	273472	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

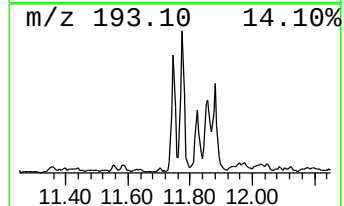
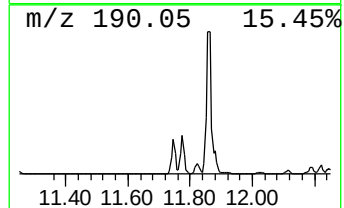
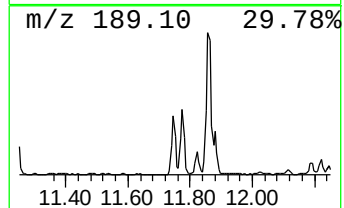
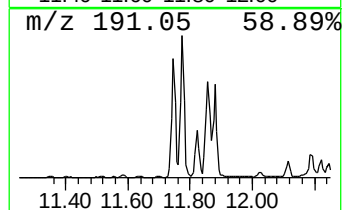
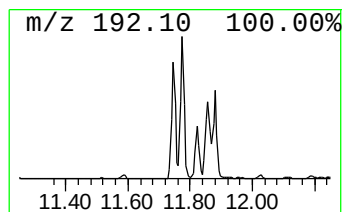
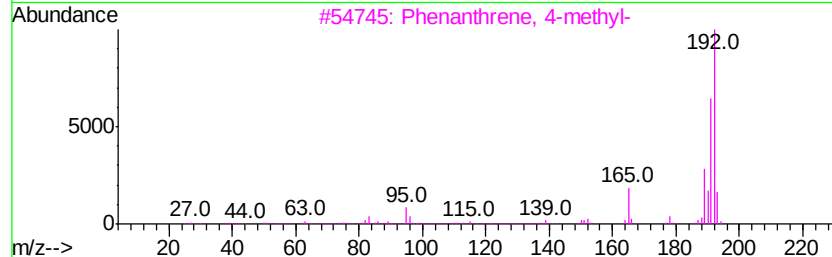
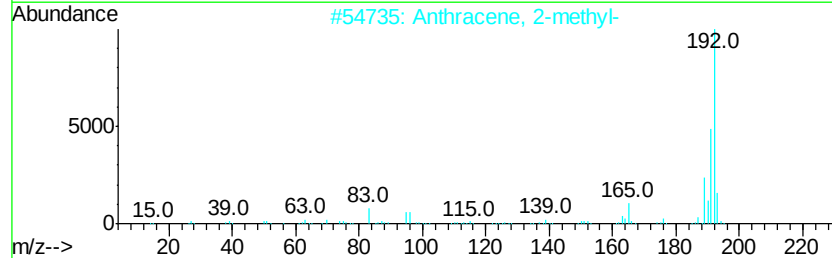
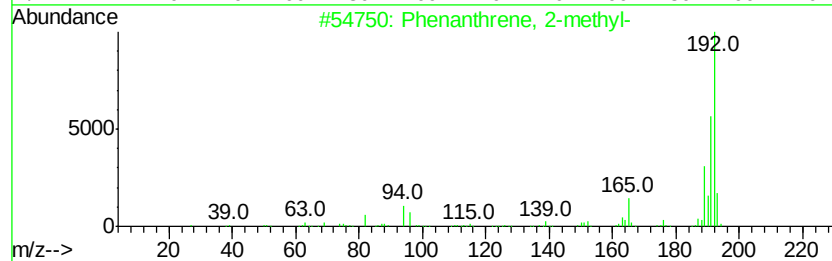
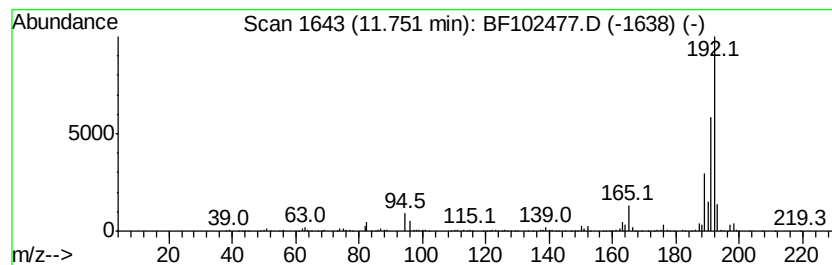
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	14.38 ng	778581	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

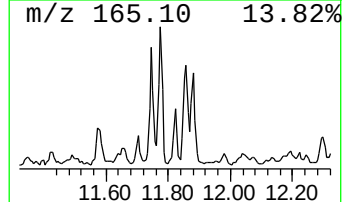
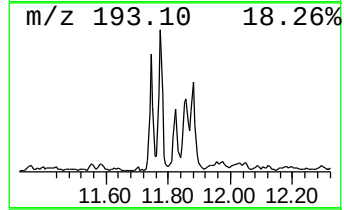
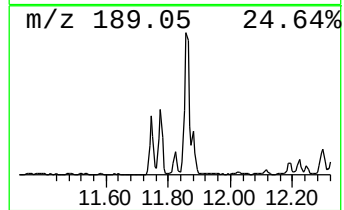
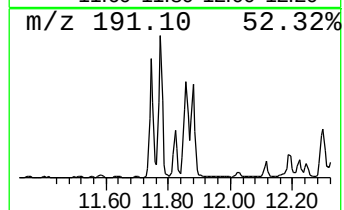
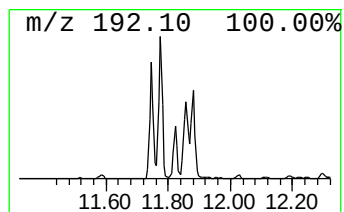
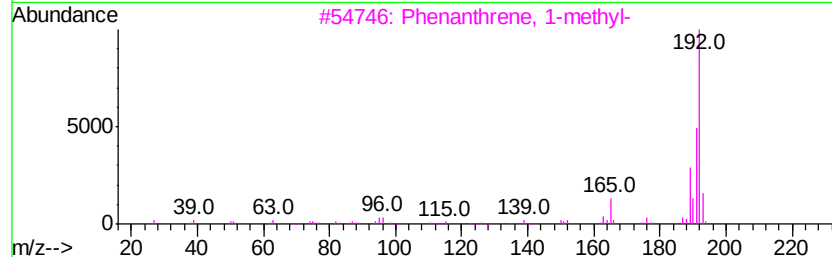
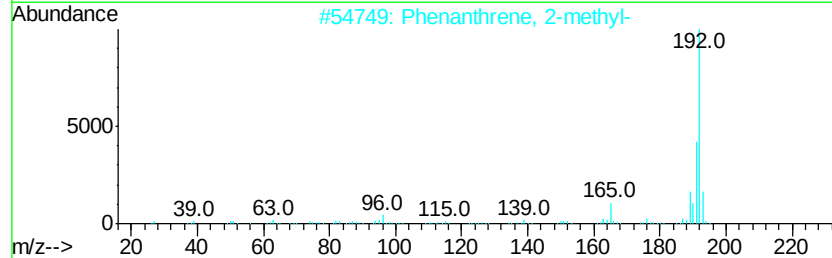
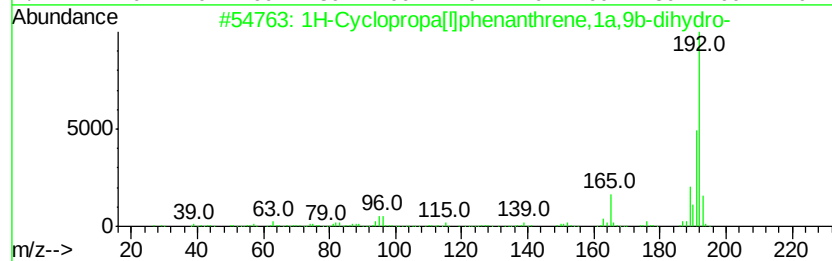
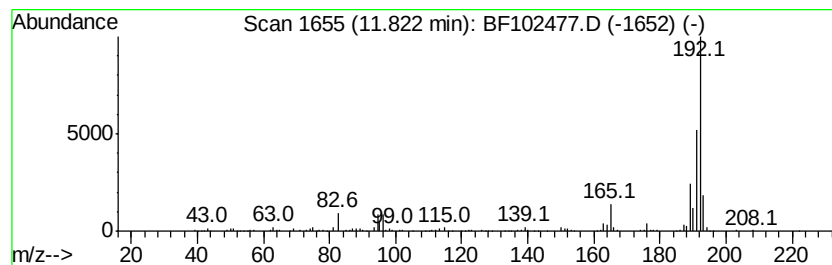
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	5.75 ng	311508	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

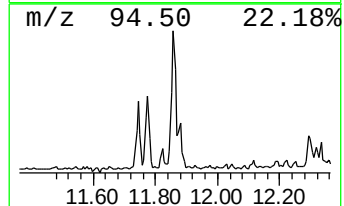
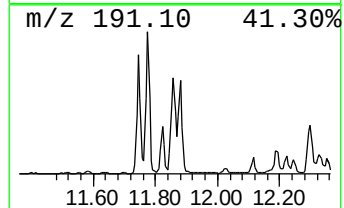
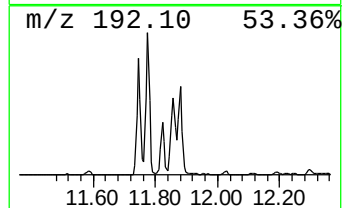
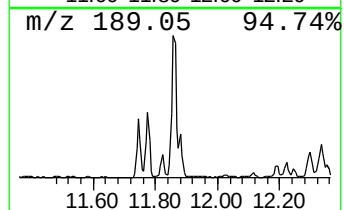
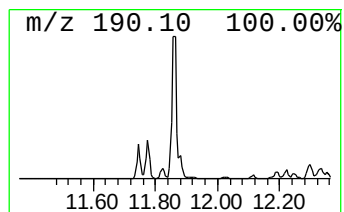
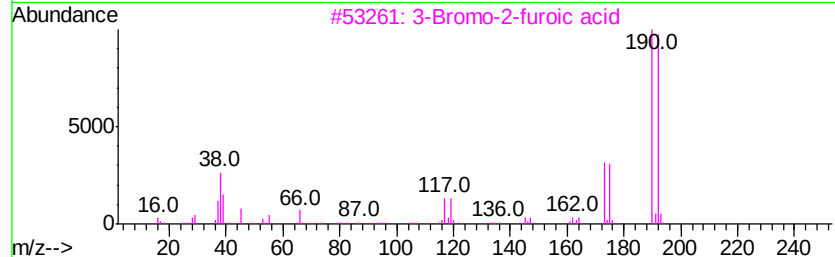
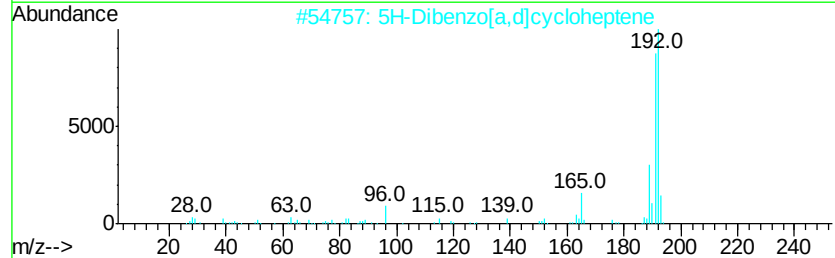
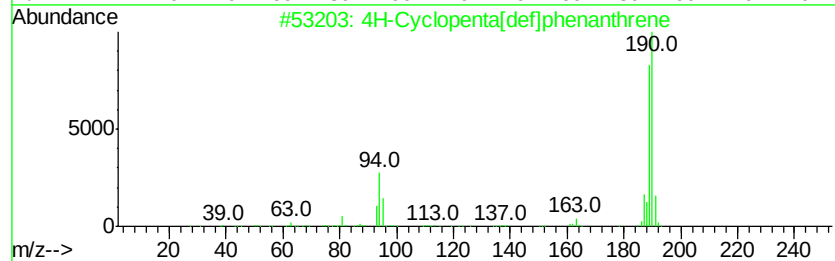
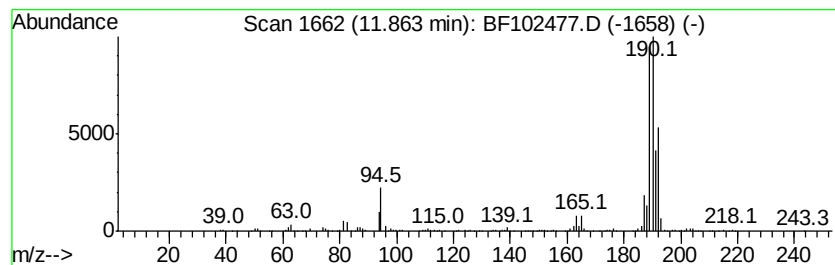
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	20.35 ng	1101820	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3		3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30
5		Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	30



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

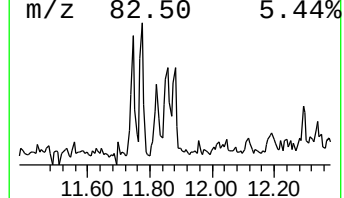
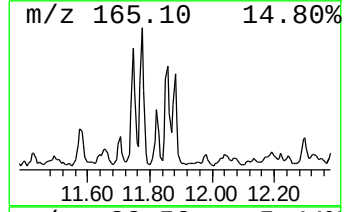
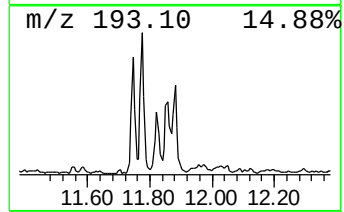
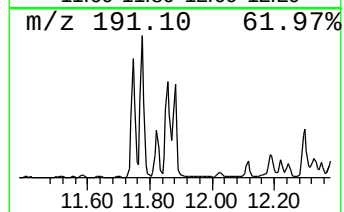
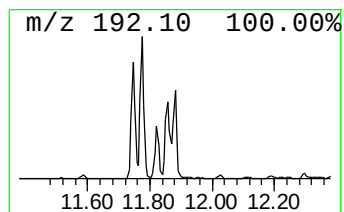
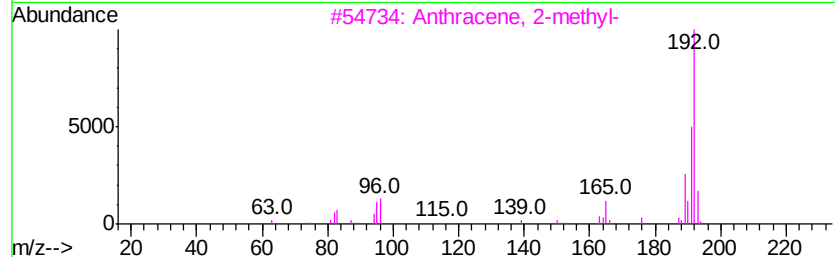
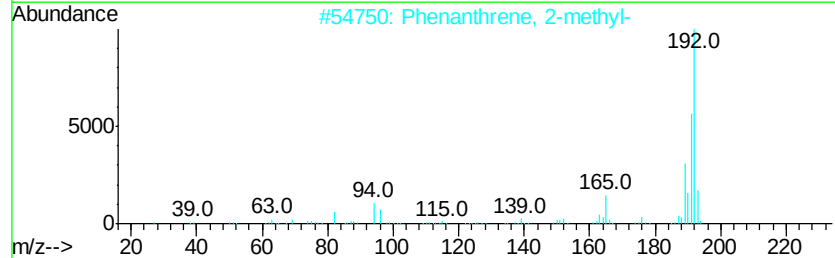
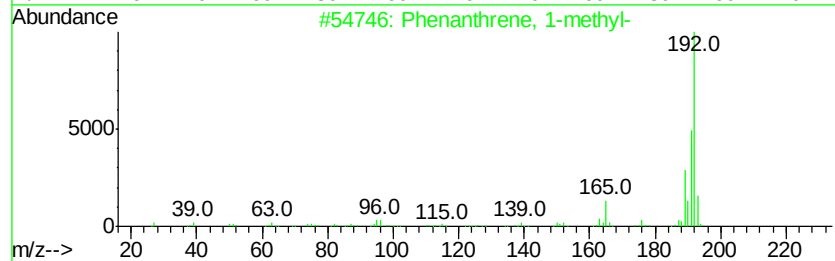
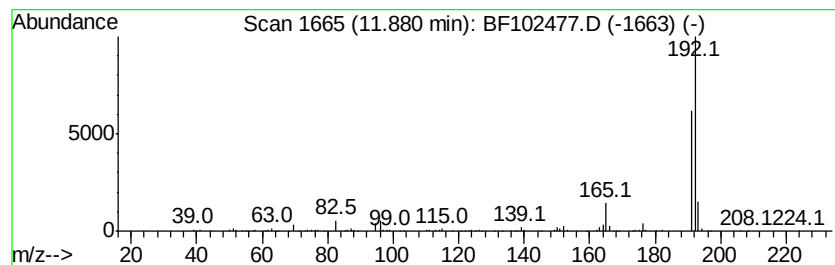
Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.88	9.18 ng	497232	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

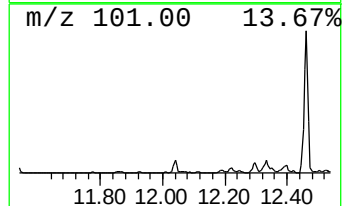
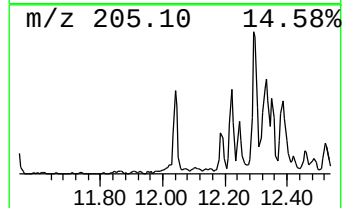
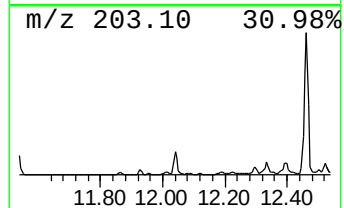
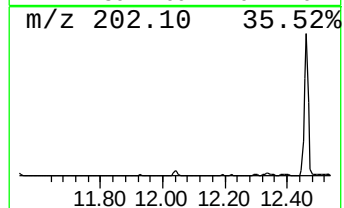
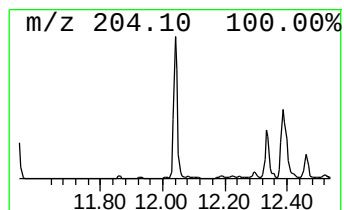
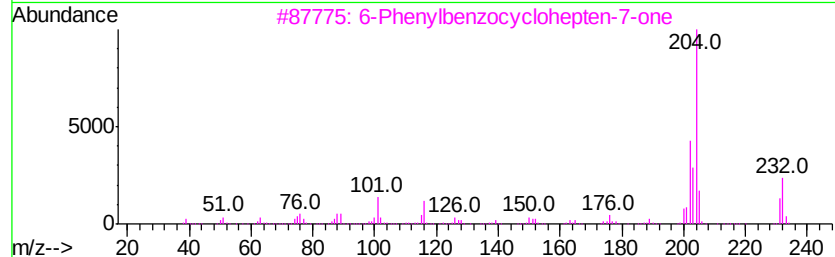
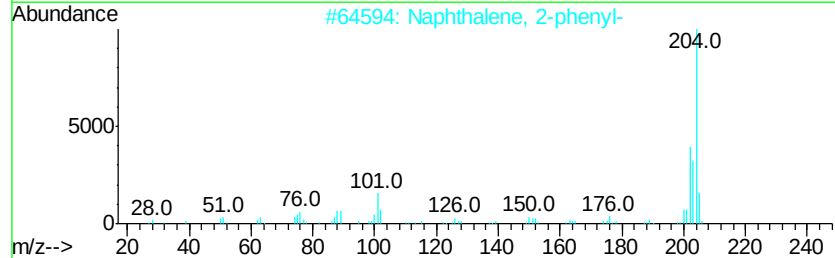
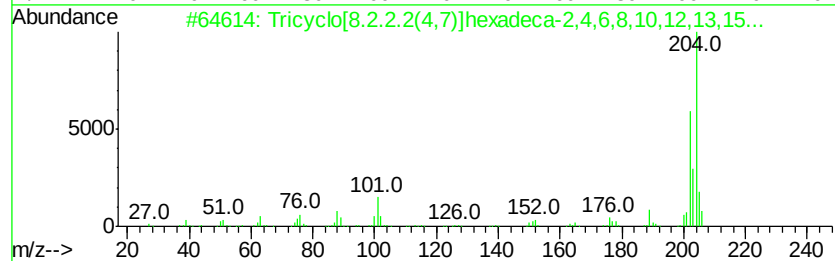
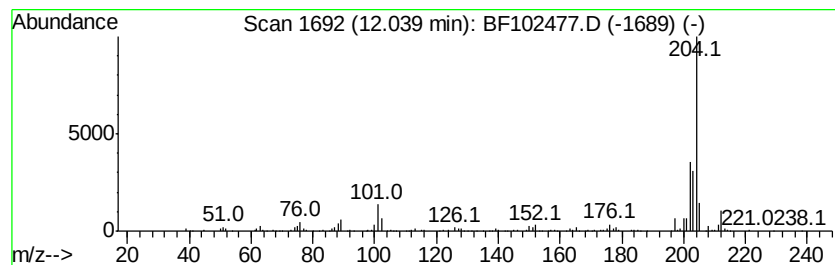
Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.04	5.30 ng	286749	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

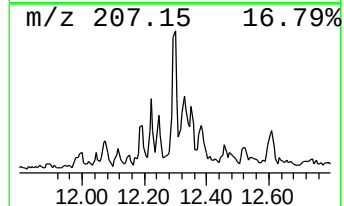
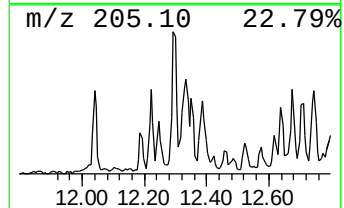
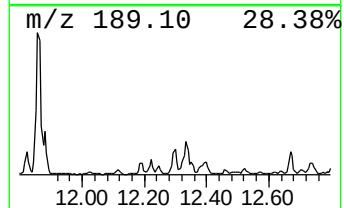
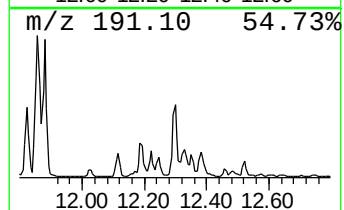
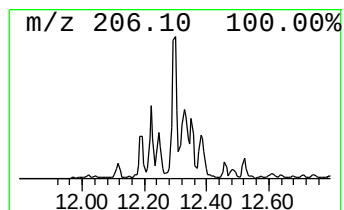
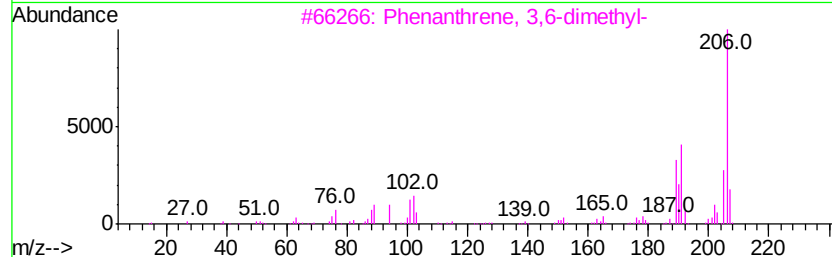
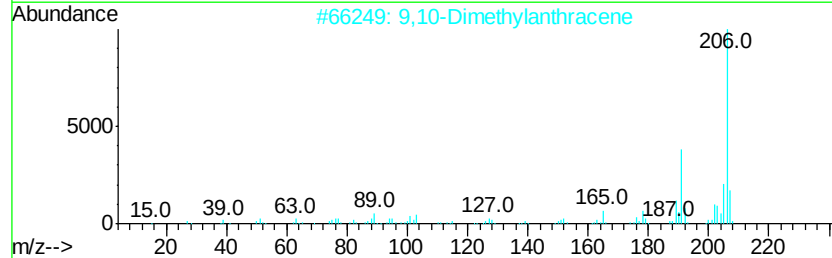
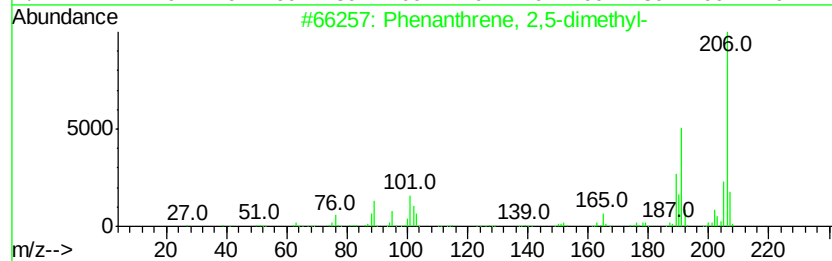
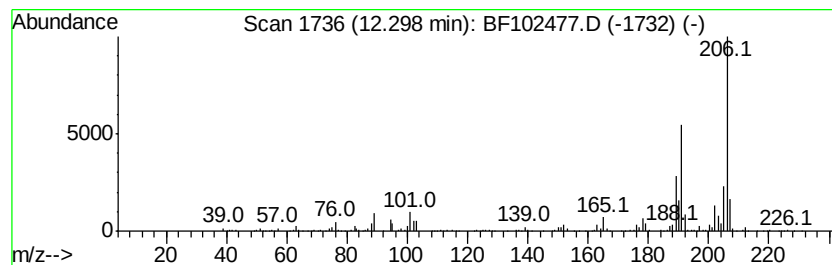
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	9.75 ng	527878	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

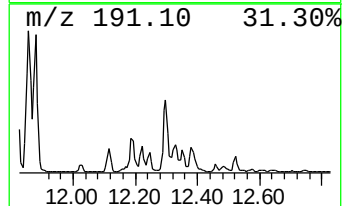
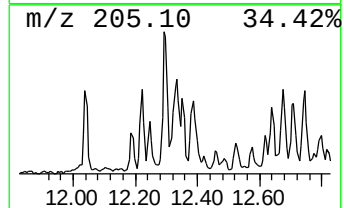
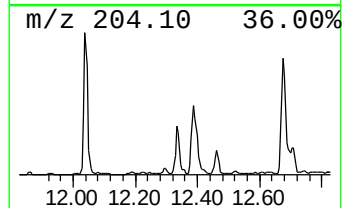
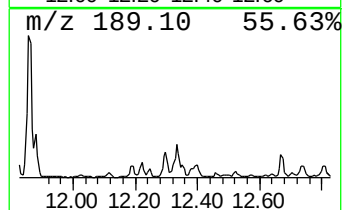
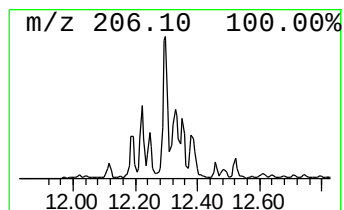
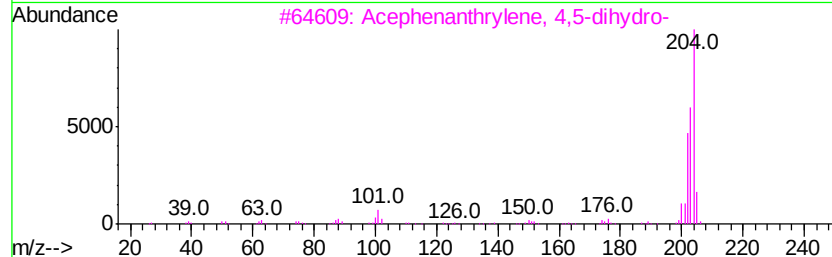
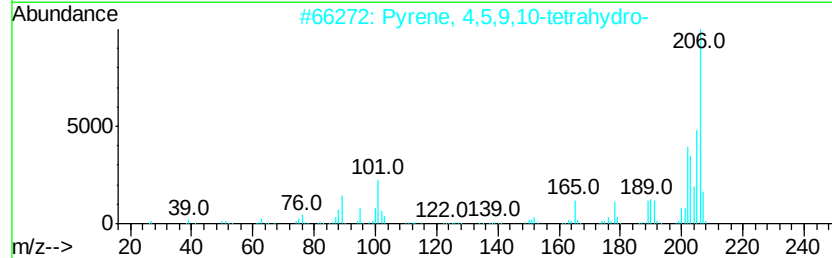
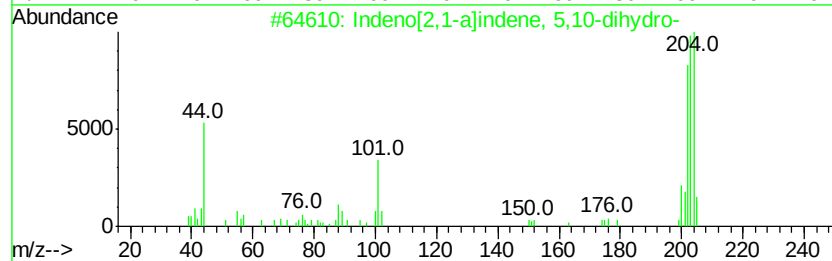
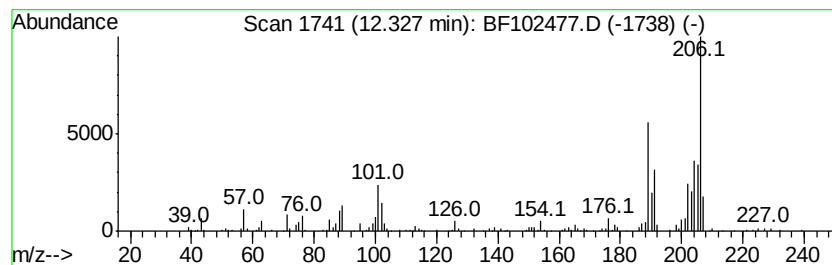
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.33 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	7.17 ng	388295	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	48
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

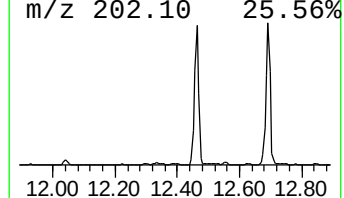
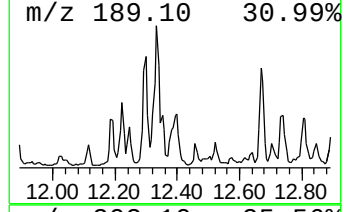
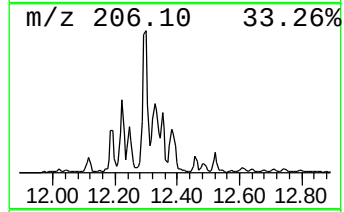
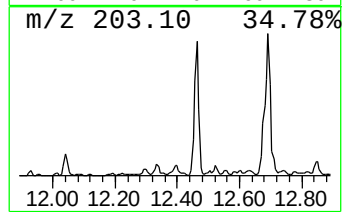
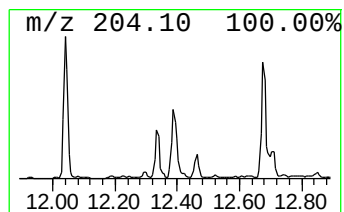
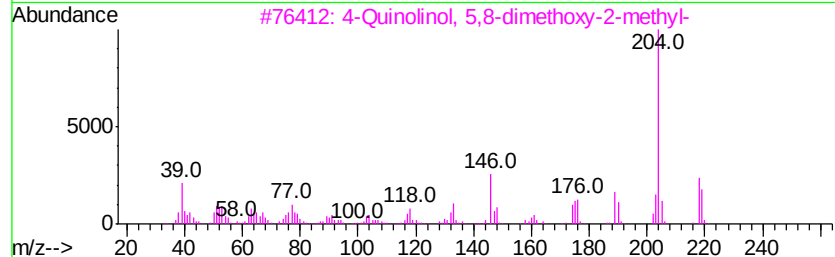
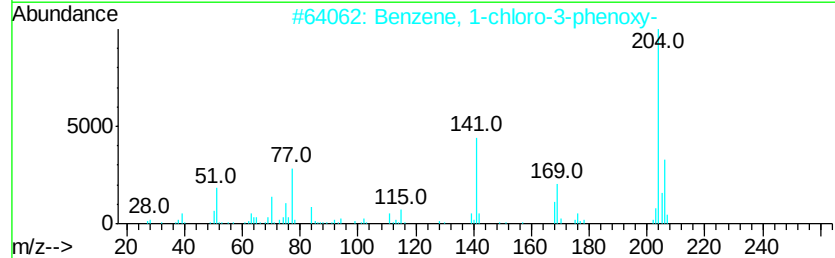
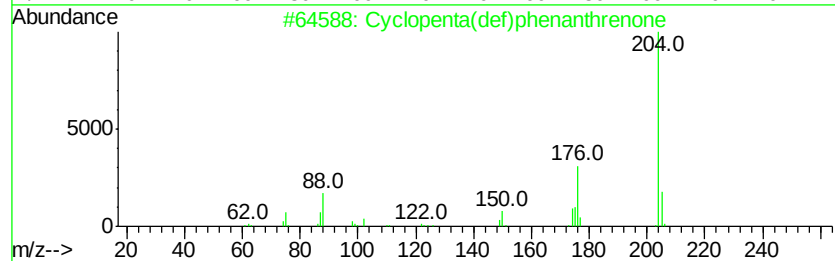
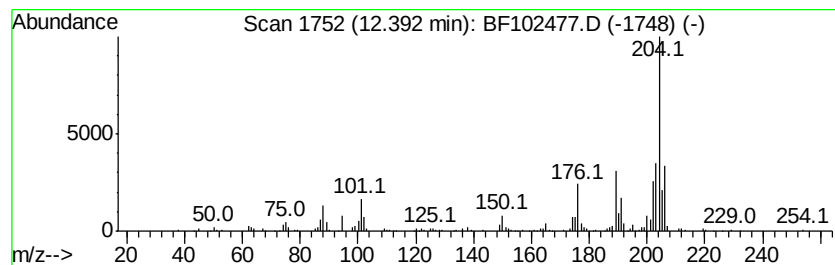
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	5.96 ng	322908	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	49
3		4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	47
4		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

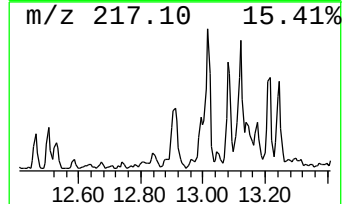
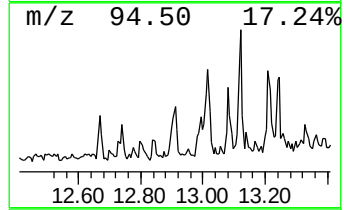
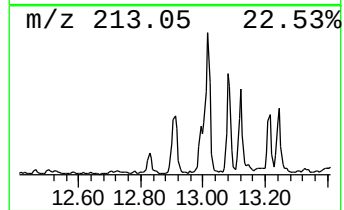
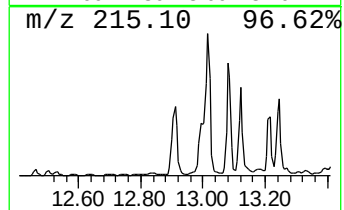
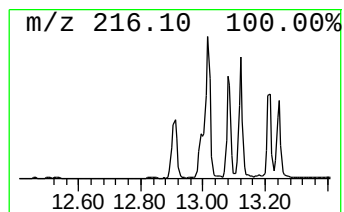
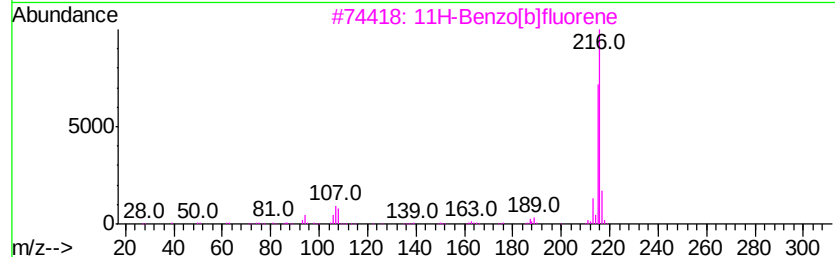
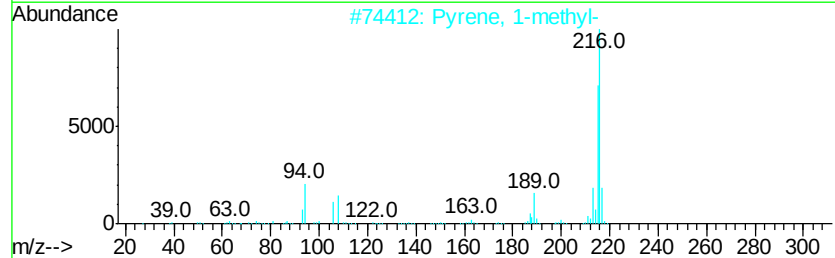
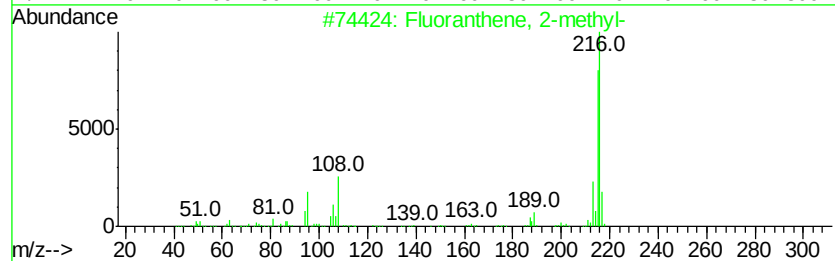
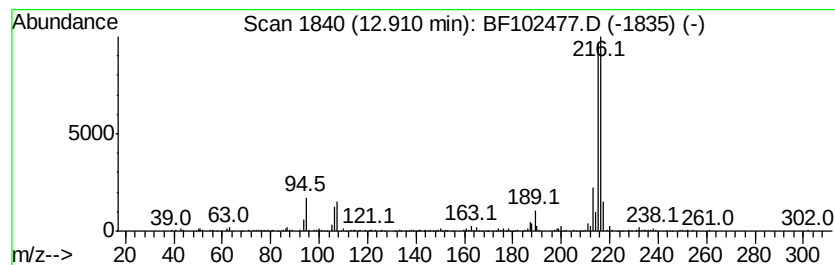
Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.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 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.91	4.44 ng	502667	Chrysene-d12		13.89
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

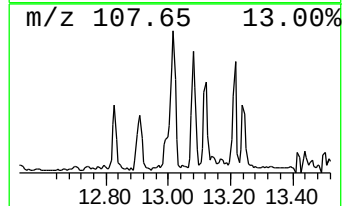
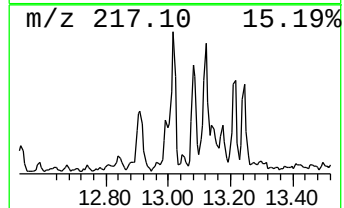
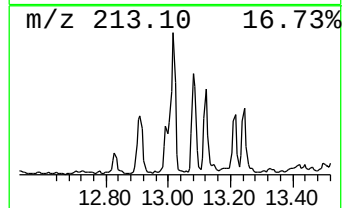
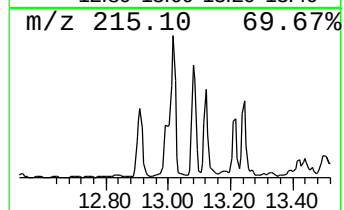
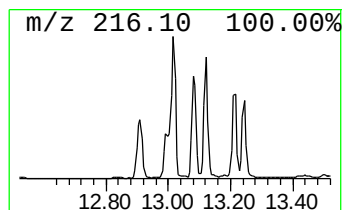
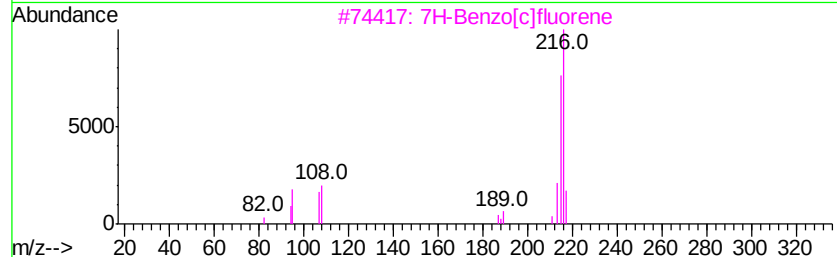
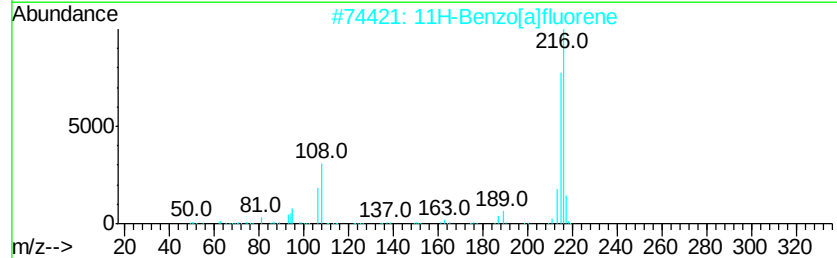
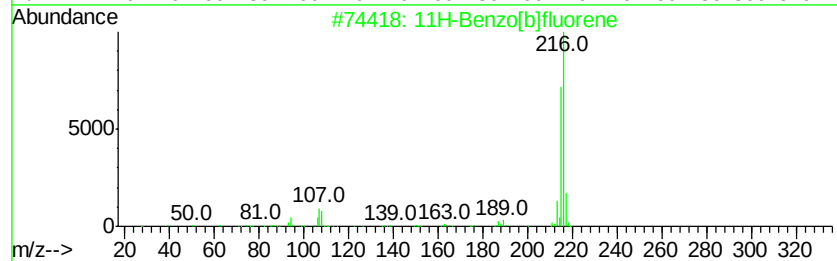
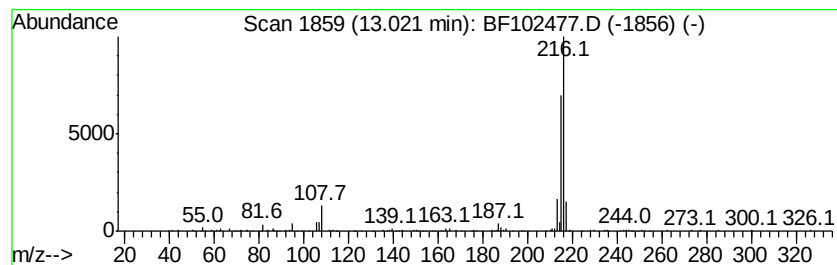
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	4.77 ng	539913	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	68



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102477.D
Acq On : 26 Jan 2018 19:09
Operator : SJ/JU
Sample : J1020-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

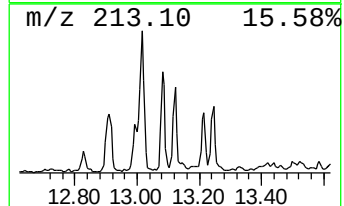
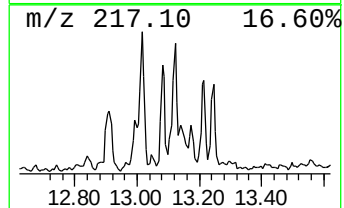
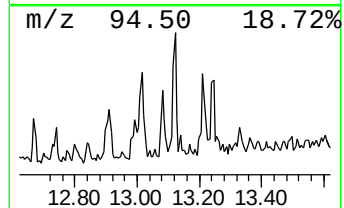
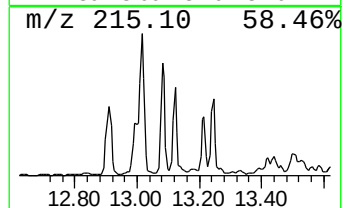
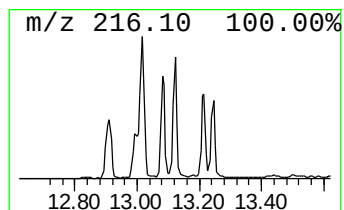
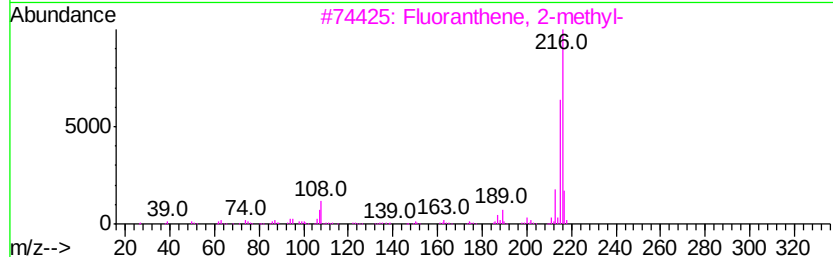
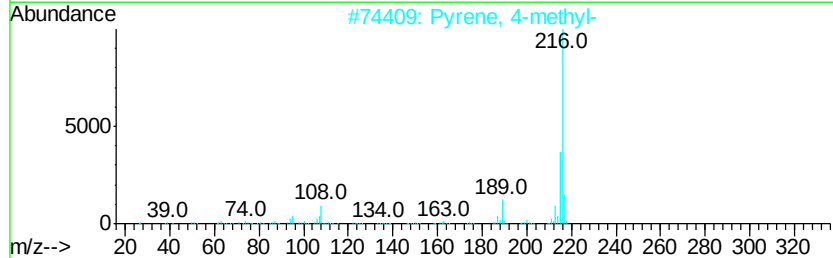
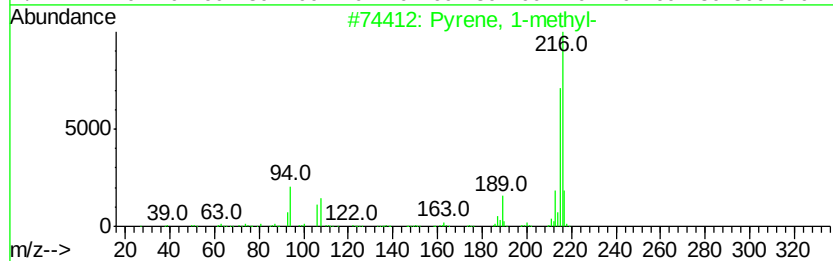
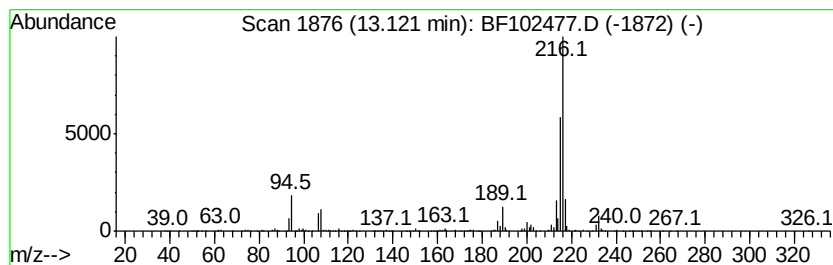
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.44 ng	503160	Chrysene-d12	13.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2			Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
 Data File : BF102477.D
 Acq On : 26 Jan 2018 19:09
 Operator : SJ/JU
 Sample : J1020-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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
unknown6.49	6.49	43.4	ng	2082030	1	6.72	959456	20.0
Naphthalene, 1-me...	8.82	4.2	ng	258444	2	8.00	1222070	20.0
Naphthalene, 2,3-...	9.42	5.3	ng	356806	3	9.76	1338470	20.0
Tetradecane	10.66	4.4	ng	239995	4	11.25	1082850	20.0
9H-Fluorene, 2-me...	10.85	6.1	ng	328569	4	11.25	1082850	20.0
Dibenzothiophene	11.14	5.0	ng	273472	4	11.25	1082850	20.0
Phenanthrene, 2-m...	11.75	14.4	ng	778581	4	11.25	1082850	20.0
1H-Cyclopropa[l]p...	11.82	5.8	ng	311508	4	11.25	1082850	20.0
4H-Cyclopenta[def...	11.86	20.4	ng	1101820	4	11.25	1082850	20.0
Phenanthrene, 1-m...	11.88	9.2	ng	497232	4	11.25	1082850	20.0
Tricyclo[8.2.2.2(...	12.04	5.3	ng	286749	4	11.25	1082850	20.0
Phenanthrene, 2,5...	12.30	9.8	ng	527878	4	11.25	1082850	20.0
unknown12.33	12.33	7.2	ng	388295	4	11.25	1082850	20.0
Cyclopenta(def)ph...	12.39	6.0	ng	322908	4	11.25	1082850	20.0
Fluoranthene, 2-m...	12.91	4.4	ng	502667	5	13.89	2265840	20.0
11H-Benzo[b]fluorene	13.02	4.8	ng	539913	5	13.89	2265840	20.0
Pyrene, 1-methyl-	13.12	4.4	ng	503160	5	13.89	2265840	20.0