

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107711.D
 Acq On : 26 Jul 2018 20:27
 Operator : JU/SJ
 Sample : J4109-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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	5.184	480	484	494	rBV	53809	77851	4.80%	0.321%
2	5.601	551	555	579	rBV	102490	451803	27.87%	1.865%
3	6.601	722	725	744	rBV	158315	592799	36.57%	2.447%
4	6.737	744	748	772	rVB	371403	747673	46.13%	3.086%
5	6.960	783	786	806	rBV	616685	983819	60.69%	4.061%
6	7.113	809	812	815	rBV	297422	358326	22.11%	1.479%
7	7.531	878	883	897	rBV	150943	400203	24.69%	1.652%
8	7.972	955	958	961	rBV3	26914	33052	2.04%	0.136%
9	8.178	987	993	997	rBV4	21831	35934	2.22%	0.148%
10	8.242	1000	1004	1014	rVV	1158446	1540732	95.05%	6.360%
11	8.313	1014	1016	1025	rVB5	54422	95404	5.89%	0.394%
12	8.519	1048	1051	1055	rBV4	48314	59902	3.70%	0.247%
13	8.636	1069	1071	1074	rVB2	36964	34718	2.14%	0.143%
14	8.672	1074	1077	1079	rBV2	32892	33399	2.06%	0.138%
15	8.795	1095	1098	1102	rVB2	33327	35357	2.18%	0.146%
16	8.842	1102	1106	1111	rBV5	49253	73934	4.56%	0.305%
17	8.960	1123	1126	1128	rBV2	57413	66474	4.10%	0.274%
18	9.054	1138	1142	1145	rBV	248593	265987	16.41%	1.098%
19	9.078	1145	1146	1153	rVB3	98972	94779	5.85%	0.391%
20	9.313	1181	1186	1195	rBV	495980	581896	35.90%	2.402%
21	9.525	1218	1222	1228	rVB	60406	75451	4.65%	0.311%
22	9.583	1228	1232	1236	rBV	108915	150051	9.26%	0.619%
23	9.619	1236	1238	1241	rVV2	54967	56381	3.48%	0.233%
24	9.654	1241	1244	1247	rVV	229024	257318	15.87%	1.062%
25	9.707	1247	1253	1260	rVV3	127516	277444	17.12%	1.145%
26	9.772	1261	1264	1273	rVB	133467	217011	13.39%	0.896%
27	9.860	1273	1279	1288	rBV2	149920	194611	12.01%	0.803%
28	10.001	1299	1303	1306	rBV	1500251	1386981	85.57%	5.725%
29	10.031	1306	1308	1317	rVB	355264	434335	26.79%	1.793%
30	10.107	1317	1321	1325	rBV2	75960	111074	6.85%	0.458%
31	10.195	1333	1336	1341	rVB3	110150	124069	7.65%	0.512%
32	10.236	1341	1343	1347	rVB2	117459	110183	6.80%	0.455%
33	10.313	1352	1356	1359	rBV	125236	133296	8.22%	0.550%
34	10.342	1359	1361	1367	rVB	79799	81419	5.02%	0.336%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107711.D
 Acq On : 26 Jul 2018 20:27
 Operator : JU/SJ
 Sample : J4109-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 GW-04(10-12)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.401	1367	1371	1373	rBV2	80997	105111	6.48%	0.434%
36	10.425	1373	1375	1378	rVB	53061	47959	2.96%	0.198%
37	10.454	1378	1380	1384	rBV2	26769	39271	2.42%	0.162%
38	10.495	1384	1387	1389	rVB2	50118	41378	2.55%	0.171%
39	10.519	1389	1391	1393	rBV	51522	48204	2.97%	0.199%
40	10.554	1393	1397	1402	rVB2	193011	254995	15.73%	1.053%
41	10.601	1402	1405	1406	rBV2	49761	51390	3.17%	0.212%
42	10.630	1408	1410	1413	rVB2	64010	62677	3.87%	0.259%
43	10.660	1413	1415	1417	rVB2	56859	41608	2.57%	0.172%
44	10.689	1417	1420	1421	rBV	51981	51529	3.18%	0.213%
45	10.795	1433	1438	1445	rBV2	383583	549474	33.90%	2.268%
46	10.895	1451	1455	1464	rVB2	58331	111263	6.86%	0.459%
47	11.095	1484	1489	1492	rBV2	139126	216499	13.36%	0.894%
48	11.125	1492	1494	1498	rVV	91726	98396	6.07%	0.406%
49	11.178	1501	1503	1506	rVB	82739	76414	4.71%	0.315%
50	11.225	1506	1511	1513	rBV6	28654	47347	2.92%	0.195%
51	11.301	1521	1524	1527	rVV4	30341	37865	2.34%	0.156%
52	11.336	1527	1530	1533	rVV4	24044	37156	2.29%	0.153%
53	11.395	1536	1540	1548	rVB	181086	247911	15.29%	1.023%
54	11.495	1553	1557	1559	rBV	1376348	1341782	82.78%	5.539%
55	11.519	1559	1561	1568	rVV	1079682	1105922	68.23%	4.565%
56	11.572	1568	1570	1577	rVB2	147143	220691	13.61%	0.911%
57	11.783	1604	1606	1609	rBV	47912	38016	2.35%	0.157%
58	11.825	1610	1613	1619	rVB	127739	139023	8.58%	0.574%
59	11.913	1624	1628	1632	rVB	81526	102731	6.34%	0.424%
60	11.954	1632	1635	1639	rVB	39490	39567	2.44%	0.163%
61	11.995	1639	1642	1645	rBV	347714	387456	23.90%	1.599%
62	12.025	1645	1647	1653	rVB	330216	308207	19.01%	1.272%
63	12.072	1653	1655	1658	rBV	82811	80994	5.00%	0.334%
64	12.107	1658	1661	1664	rVV2	348324	470014	29.00%	1.940%
65	12.130	1664	1665	1670	rVB	253036	210119	12.96%	0.867%
66	12.230	1679	1682	1686	rVB2	38586	41308	2.55%	0.171%
67	12.289	1689	1692	1696	rBV	132151	171991	10.61%	0.710%
68	12.395	1707	1710	1712	rBV3	24619	33918	2.09%	0.140%
69	12.419	1712	1714	1716	rVV2	40892	45418	2.80%	0.187%
70	12.436	1716	1717	1720	rVV3	50715	53909	3.33%	0.223%
71	12.472	1720	1723	1725	rVV	65327	62639	3.86%	0.259%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107711.D
 Acq On : 26 Jul 2018 20:27
 Operator : JU/SJ
 Sample : J4109-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.519	1728	1731	1733	rVV	79463	87259	5.38%	0.360%
73	12.542	1733	1735	1738	rVV	194704	219000	13.51%	0.904%
74	12.583	1738	1742	1744	rVV3	99659	153831	9.49%	0.635%
75	12.636	1748	1751	1760	rVB4	71734	174485	10.76%	0.720%
76	12.713	1760	1764	1768	rBV	372081	390906	24.12%	1.614%
77	12.748	1768	1770	1772	rVV2	36000	32326	1.99%	0.133%
78	12.772	1772	1774	1777	rVB2	36322	34129	2.11%	0.141%
79	12.807	1777	1780	1787	rVB	87472	99665	6.15%	0.411%
80	12.866	1787	1790	1791	rBV2	42727	39155	2.42%	0.162%
81	12.942	1798	1803	1809	rBV	520019	622033	38.37%	2.568%
82	12.989	1809	1811	1815	rVB	50600	56229	3.47%	0.232%
83	13.077	1822	1826	1836	rVB	449609	521061	32.15%	2.151%
84	13.160	1836	1840	1845	rBV4	64045	114907	7.09%	0.474%
85	13.271	1851	1859	1864	rVB	131480	254920	15.73%	1.052%
86	13.313	1864	1866	1868	rBV3	43011	37646	2.32%	0.155%
87	13.336	1868	1870	1874	rVB	81713	80692	4.98%	0.333%
88	13.377	1874	1877	1880	rBV	83120	81139	5.01%	0.335%
89	13.466	1890	1892	1895	rBV	69135	68289	4.21%	0.282%
90	13.501	1895	1898	1907	rVB2	108203	185354	11.43%	0.765%
91	13.754	1937	1941	1944	rBV5	47490	72542	4.48%	0.299%
92	13.895	1963	1965	1967	rVV	58546	50725	3.13%	0.209%
93	13.919	1967	1969	1972	rVB	40740	40293	2.49%	0.166%
94	13.954	1972	1975	1980	rBV4	67038	88045	5.43%	0.363%
95	14.142	2002	2007	2010	rBV2	1071378	1290395	79.61%	5.327%
96	14.530	2070	2073	2077	rBV	82636	106392	6.56%	0.439%
97	15.224	2186	2191	2193	rBV	81421	145106	8.95%	0.599%
98	15.542	2241	2245	2248	rBV	71116	110395	6.81%	0.456%
99	15.607	2252	2256	2260	rVV	137630	253893	15.66%	1.048%
100	15.677	2262	2268	2288	rVB	809152	1620956	100.00%	6.691%

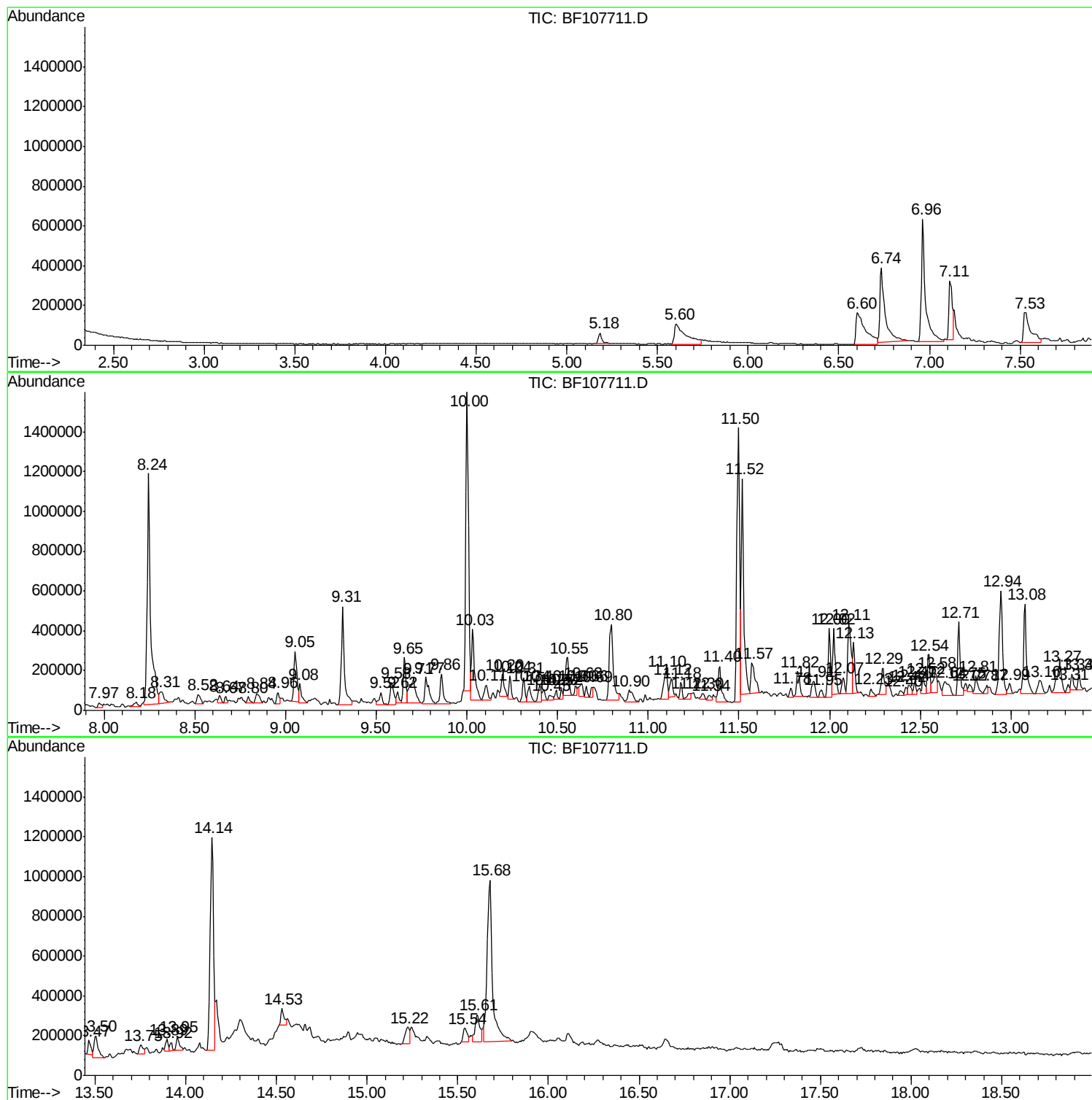
Sum of corrected areas: 24225586

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

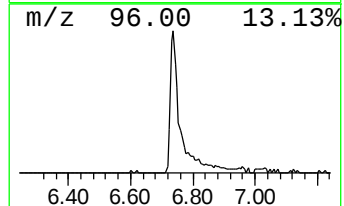
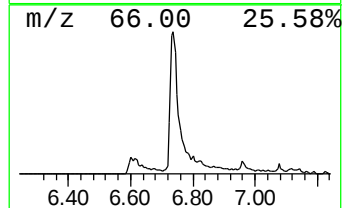
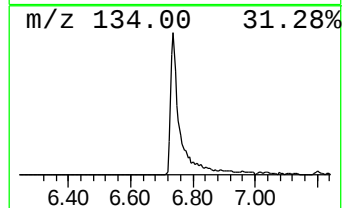
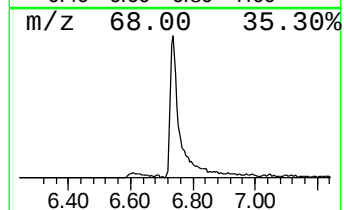
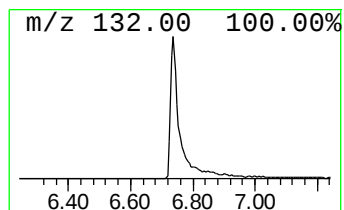
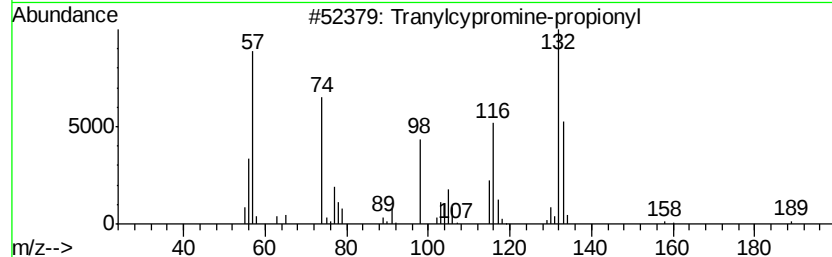
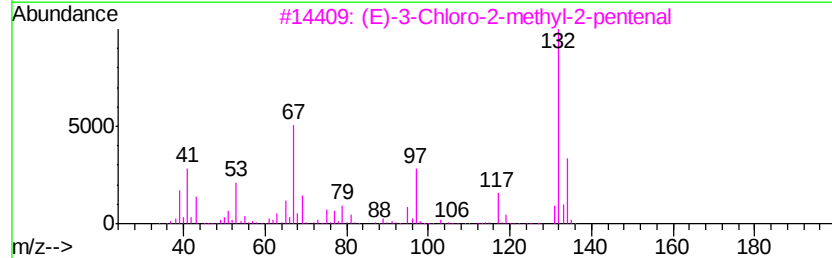
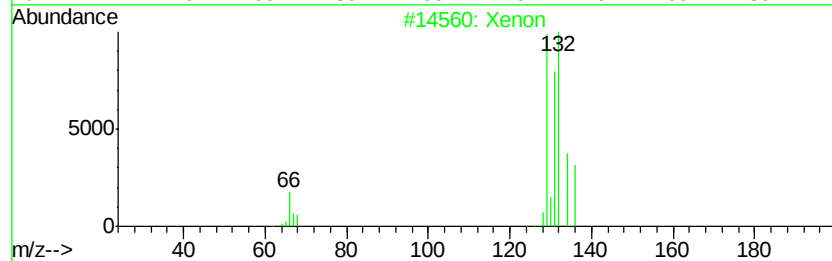
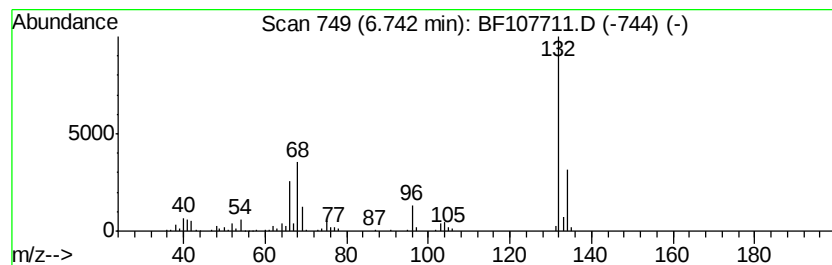
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	15.20 ng	747673	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Xenon	132	Xe	007440-63-3	45
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

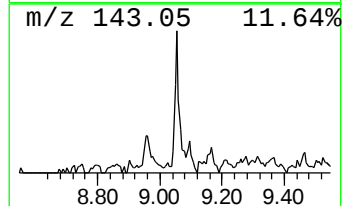
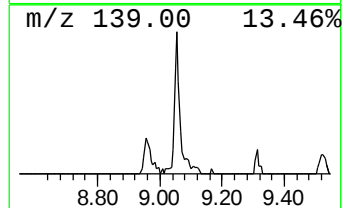
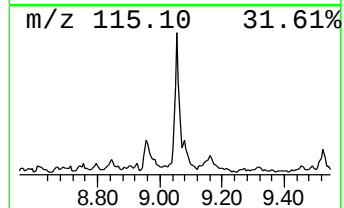
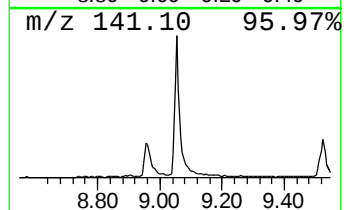
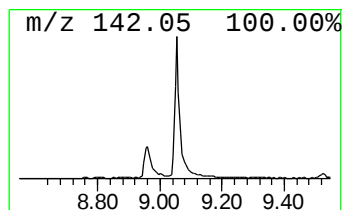
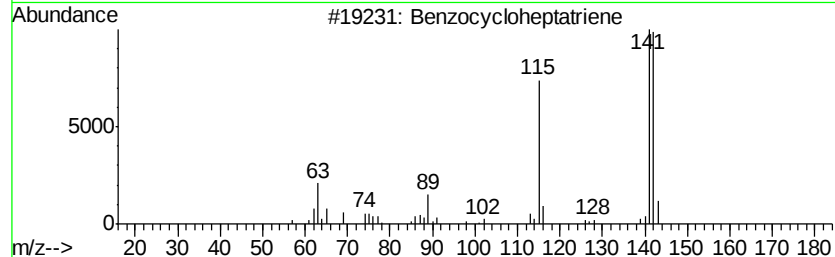
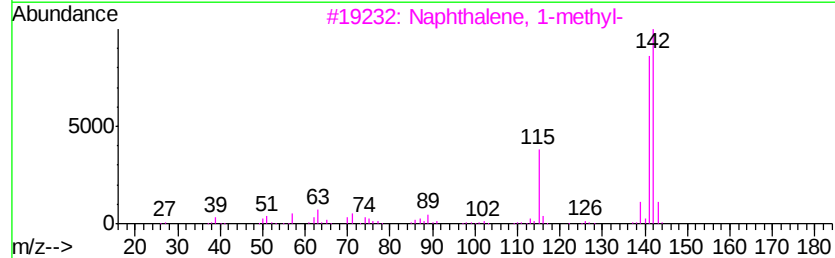
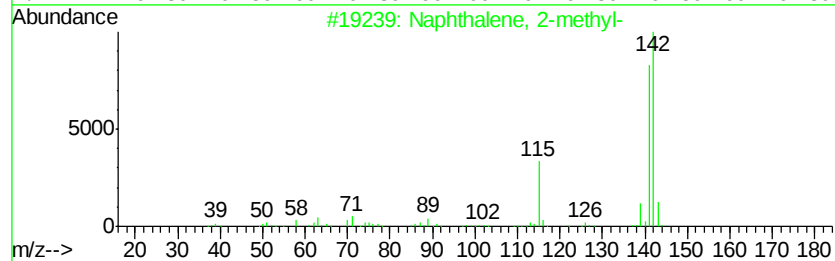
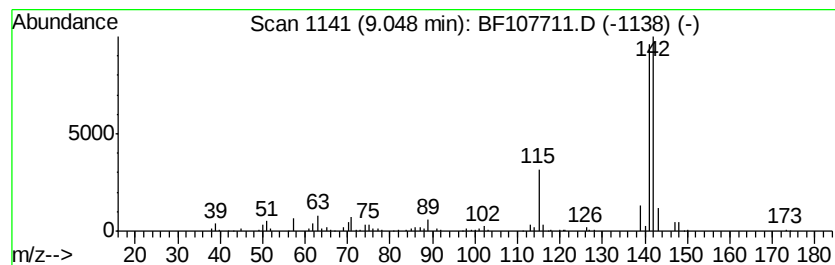
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	3.45 ng	265987	Naphthalene-d8	8.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

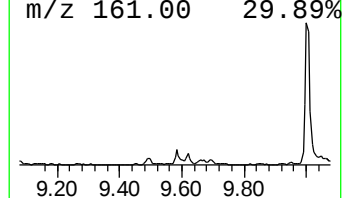
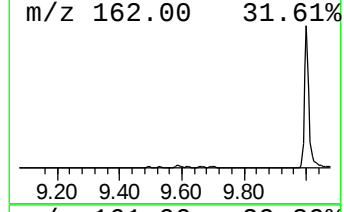
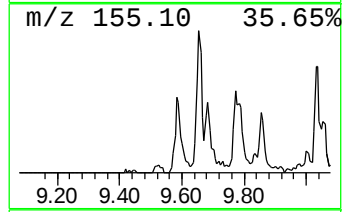
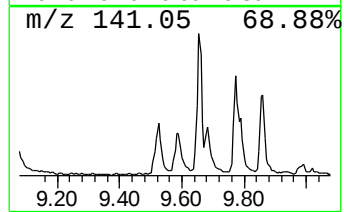
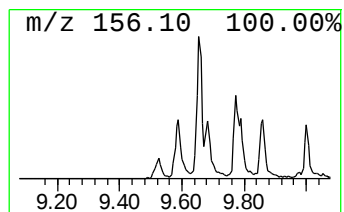
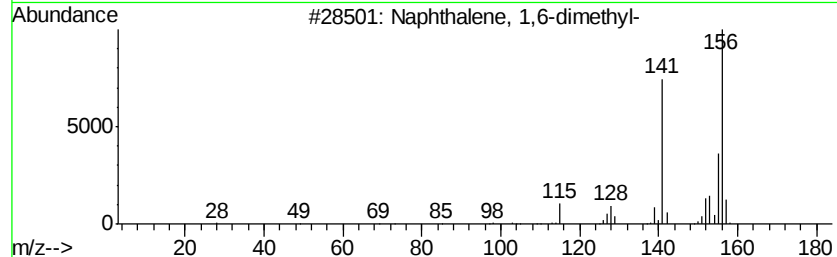
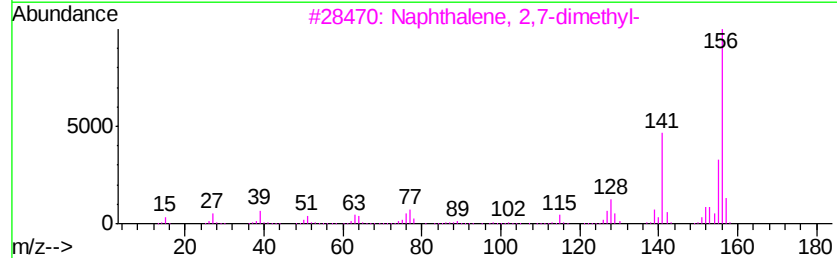
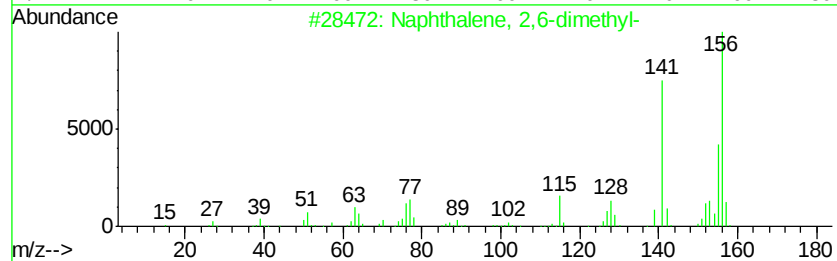
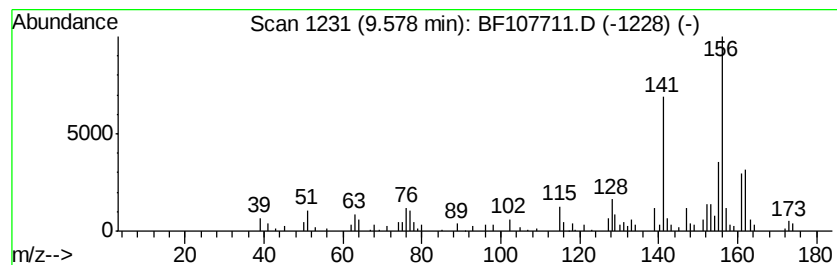
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	2.16 ng	150051	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	89
5		Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

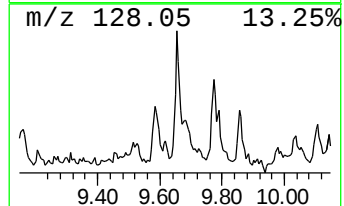
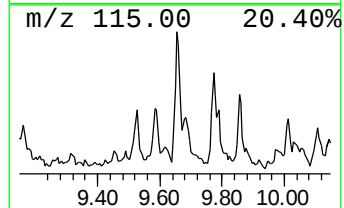
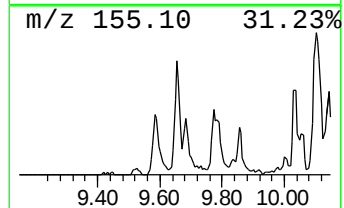
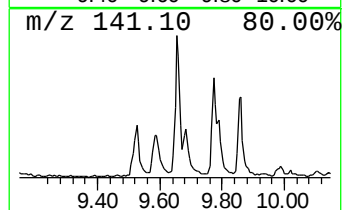
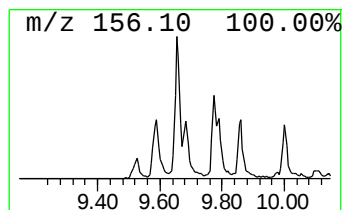
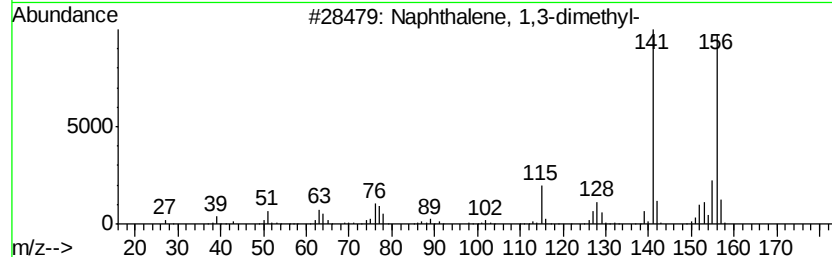
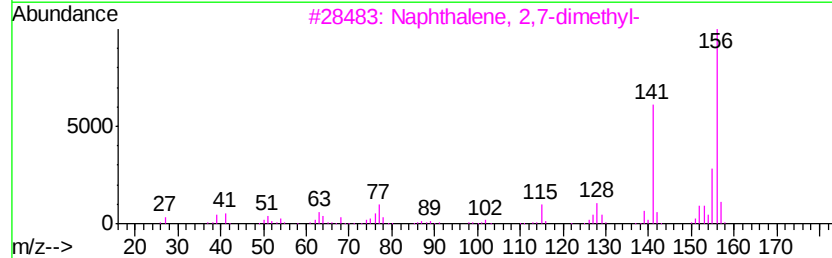
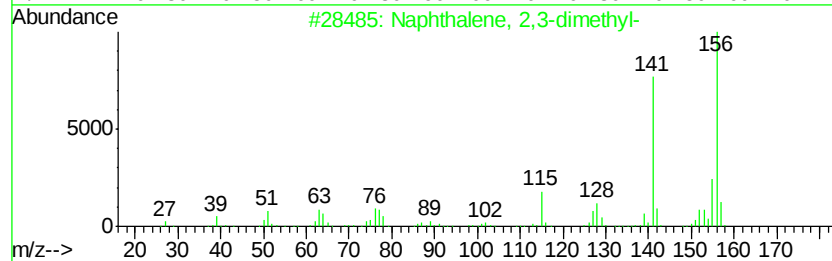
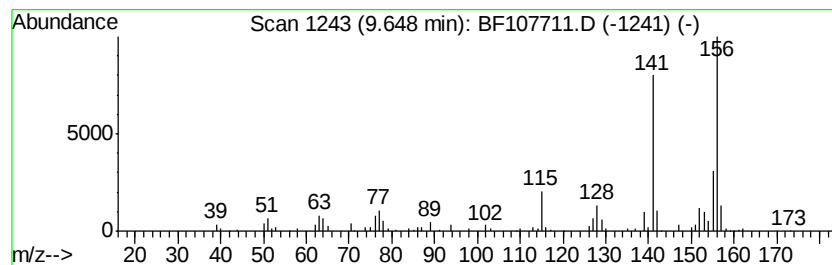
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	3.71 ng	257318	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

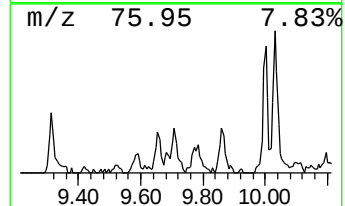
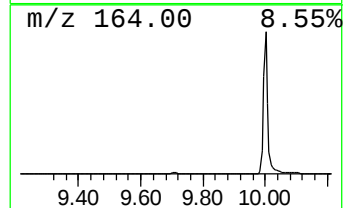
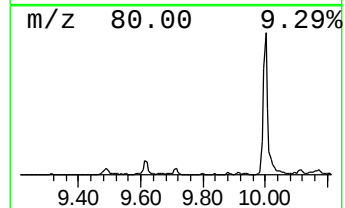
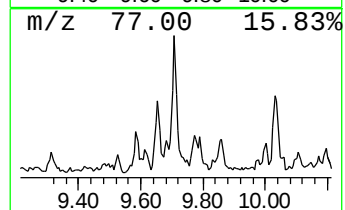
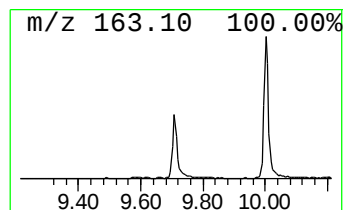
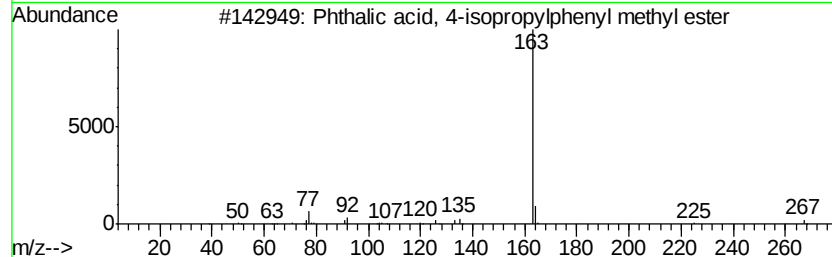
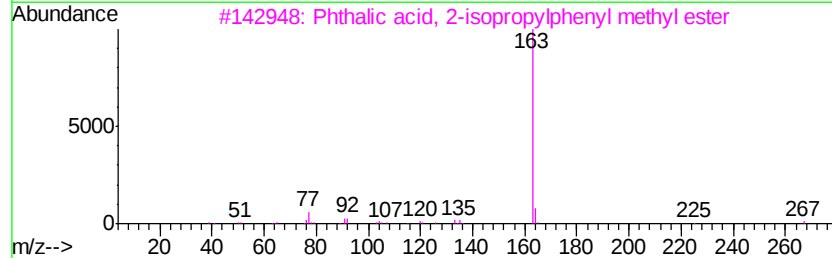
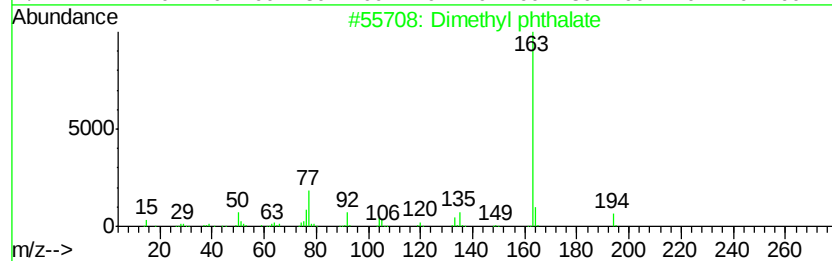
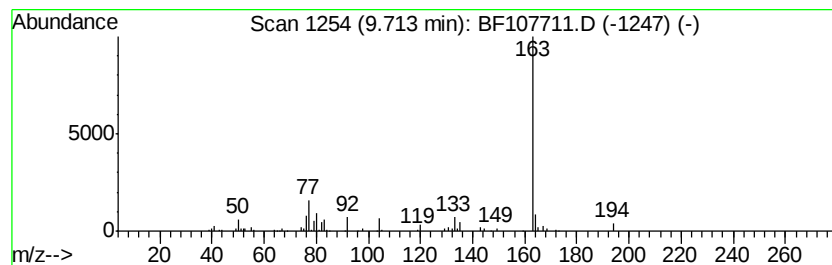
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dimethyl phthalate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	4.00 ng	277444	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
2		Phthalic acid, 2-isopropylphenyl...	298	C18H18O4	1000315-52-2	78
3		Phthalic acid, 4-isopropylphenyl...	298	C18H18O4	1000315-65-7	78
4		Phthalic acid, 4-bromophenyl met...	334	C15H11BrO4	1000315-66-6	64
5		2,3-Dihydro-7-methyl-1,4-benzoxa...	163	C9H9NO2	039522-25-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

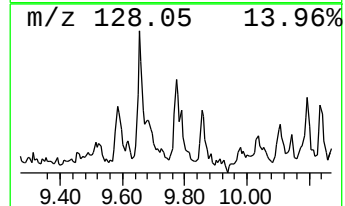
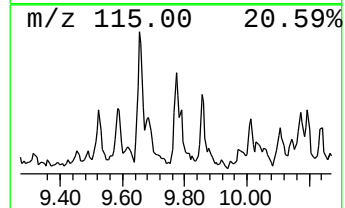
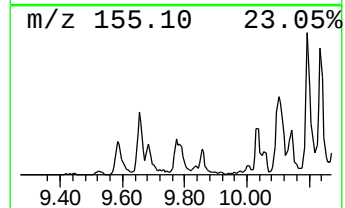
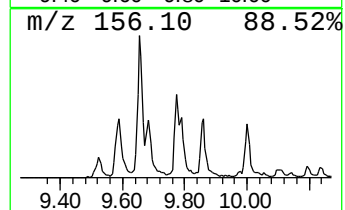
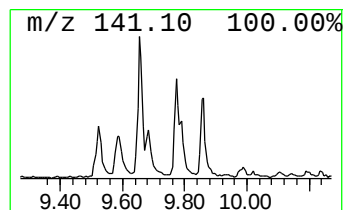
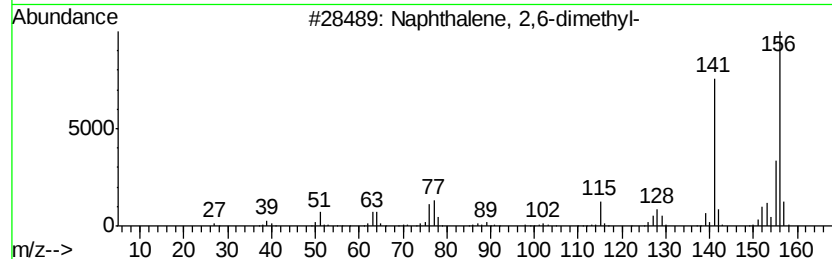
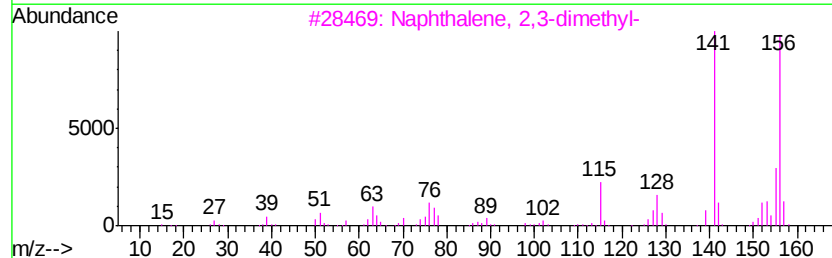
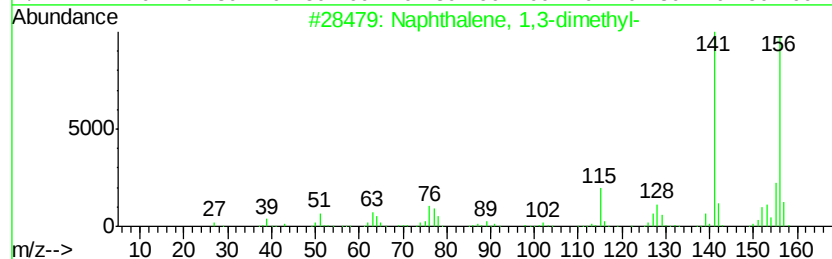
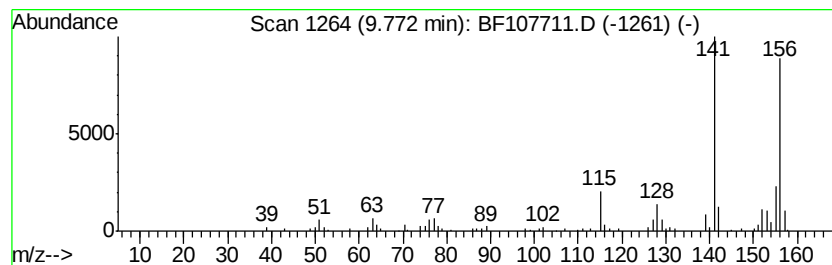
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	3.13 ng	217011	Acenaphthene-d10	10.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

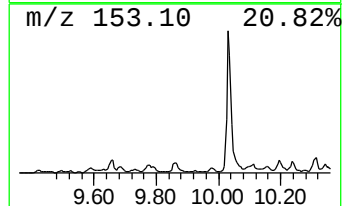
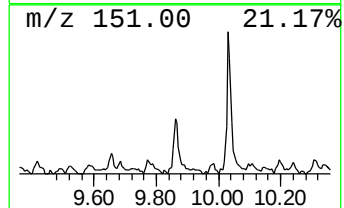
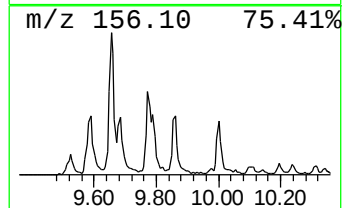
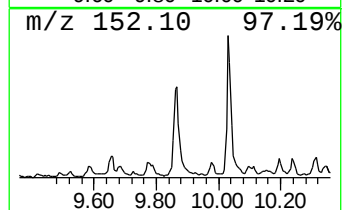
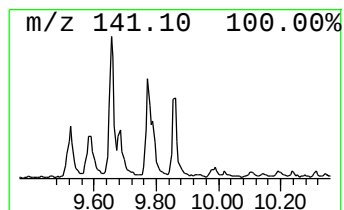
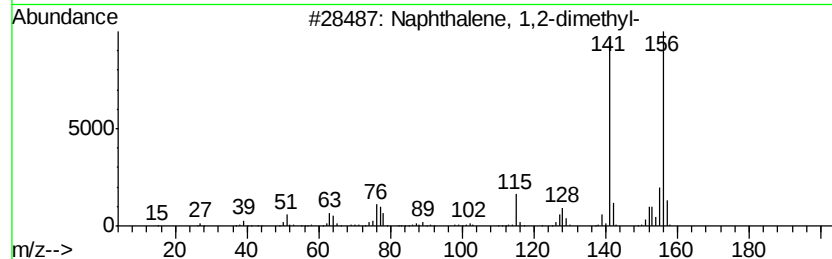
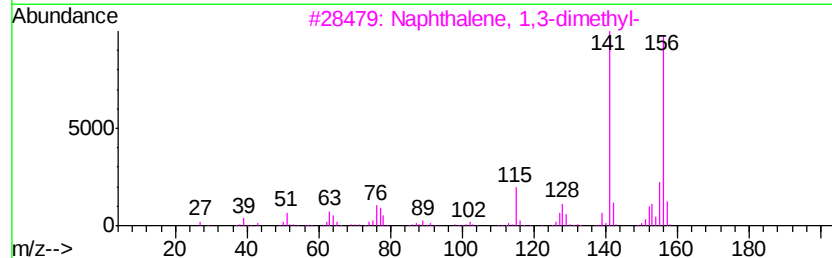
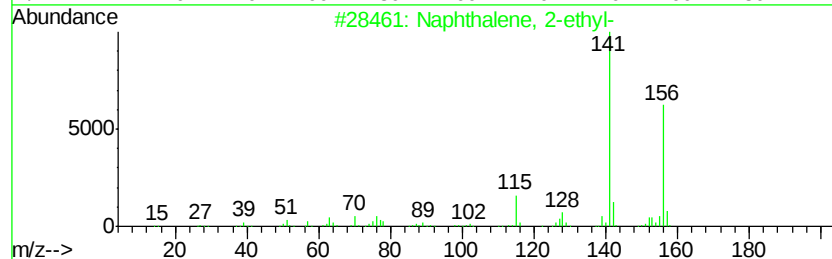
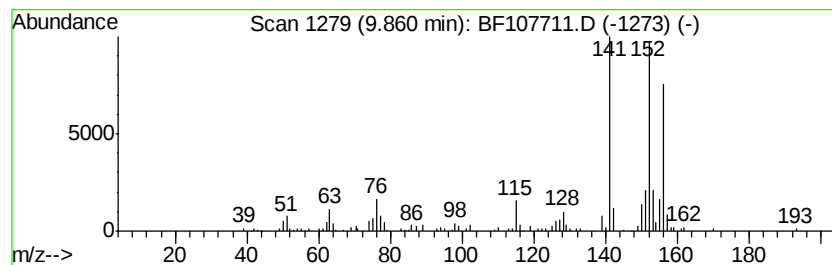
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	2.81 ng	194611	Acenaphthene-d10	10.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
3			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	83
4			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	60
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

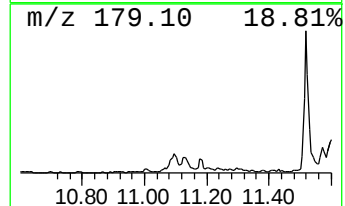
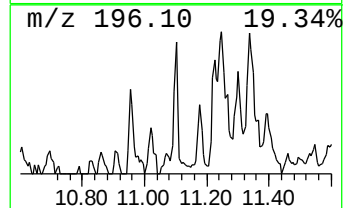
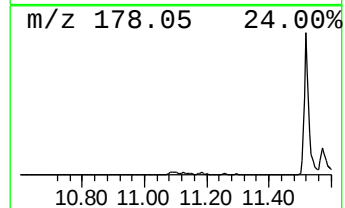
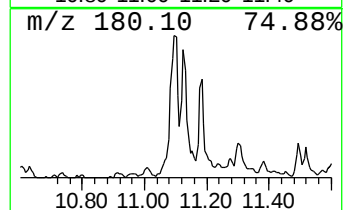
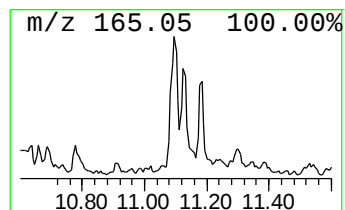
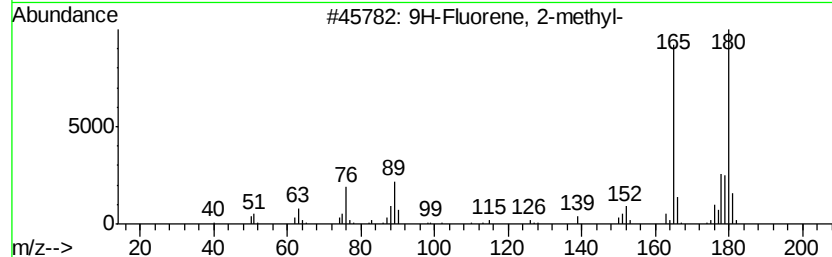
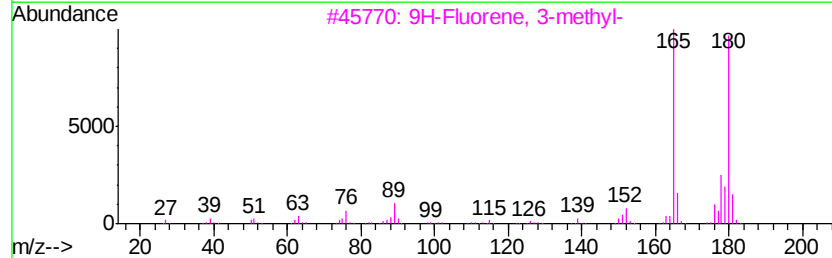
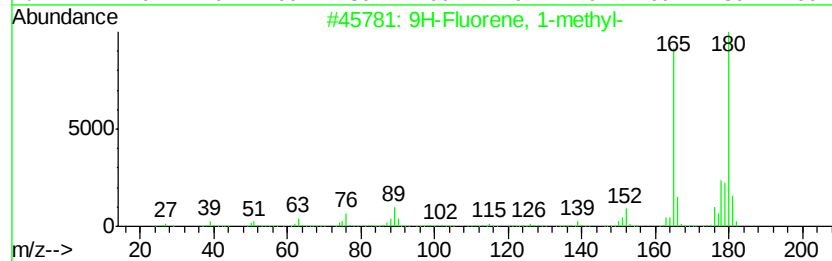
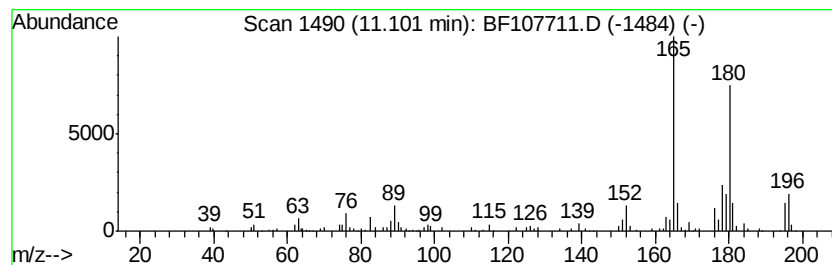
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.23 ng	216499	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

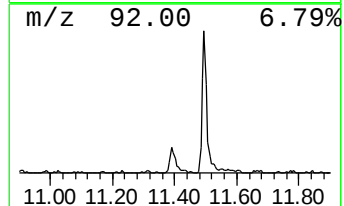
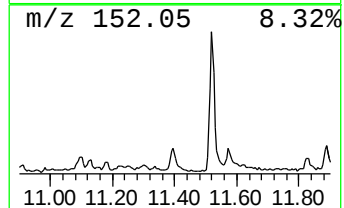
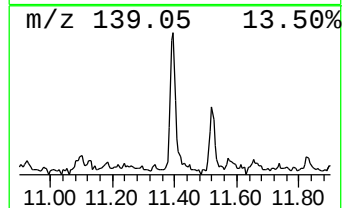
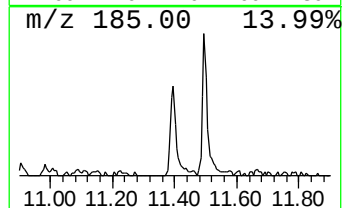
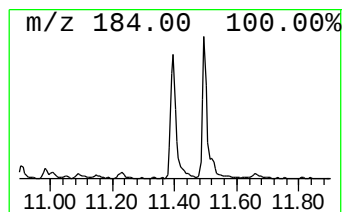
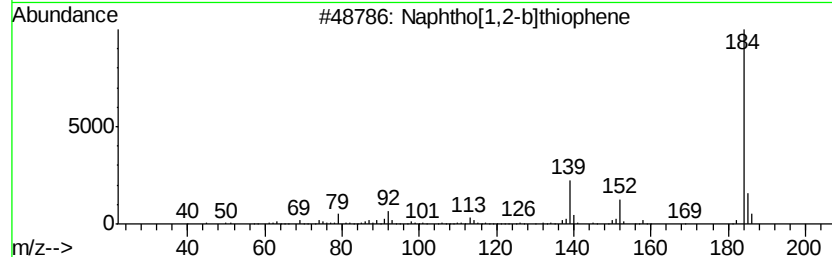
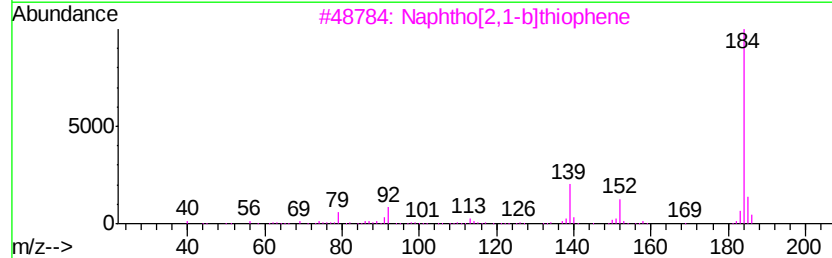
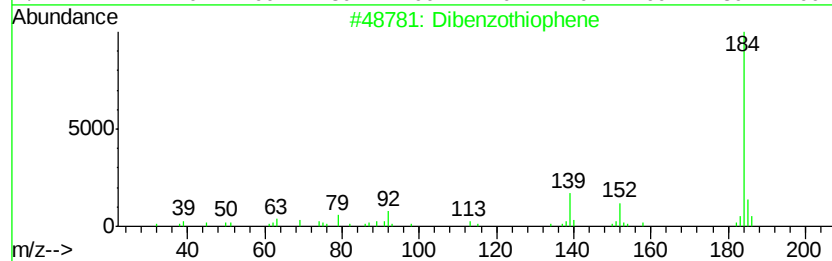
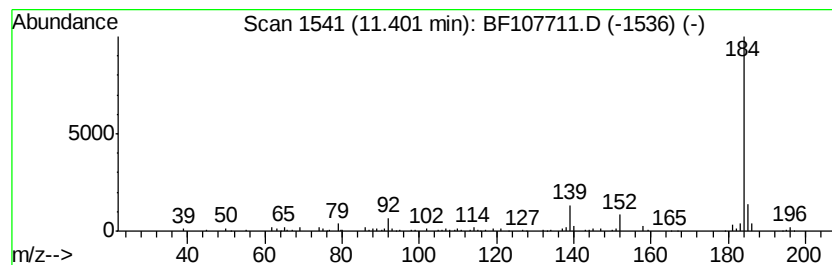
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.70 ng	247911	Phenanthrene-d10	11.50

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	90
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

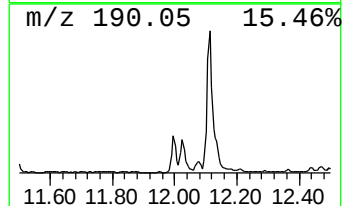
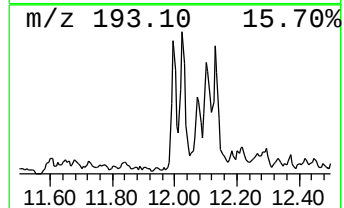
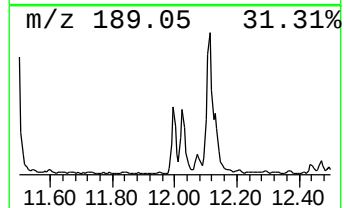
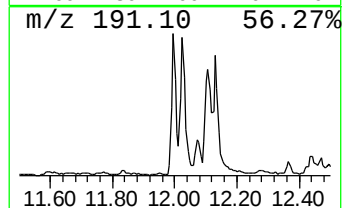
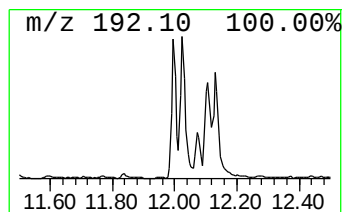
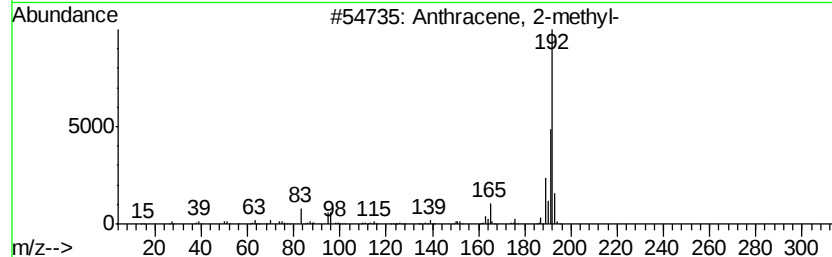
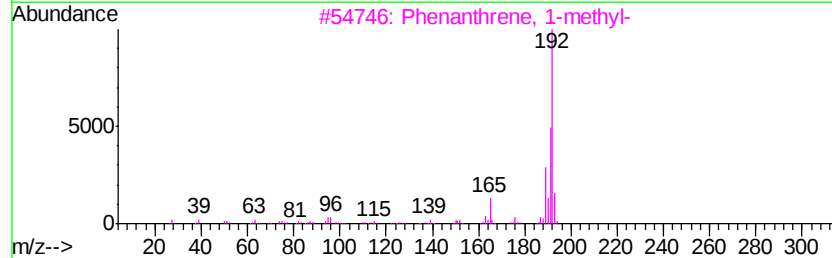
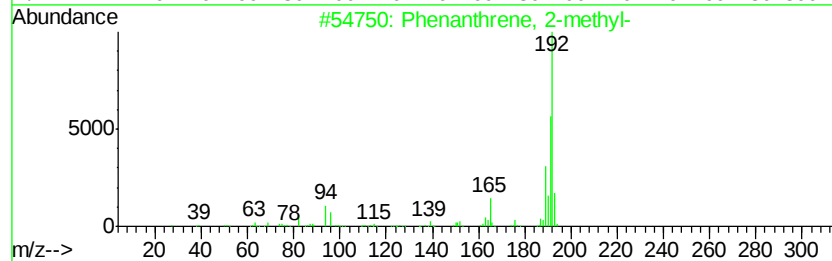
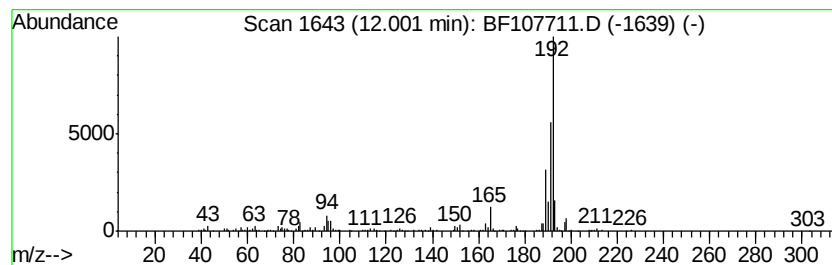
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.78 ng	387456	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

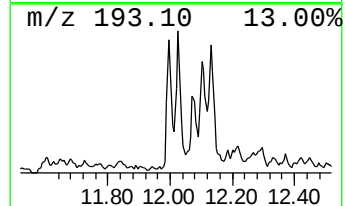
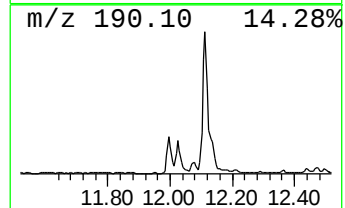
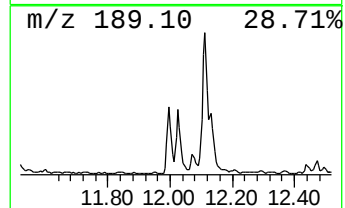
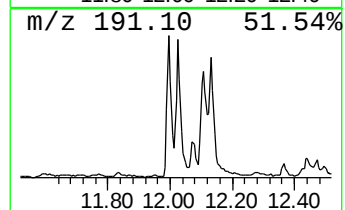
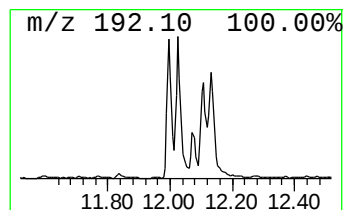
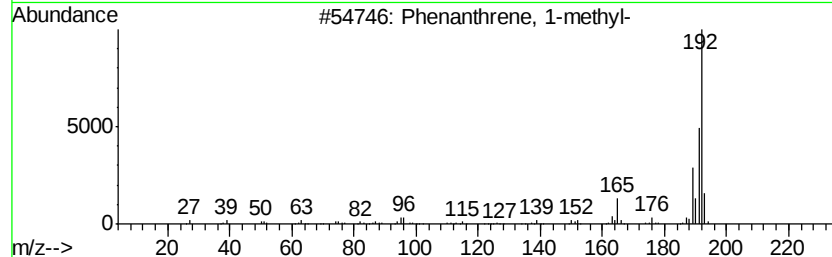
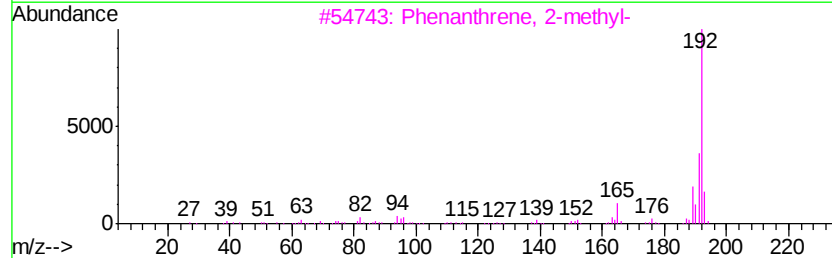
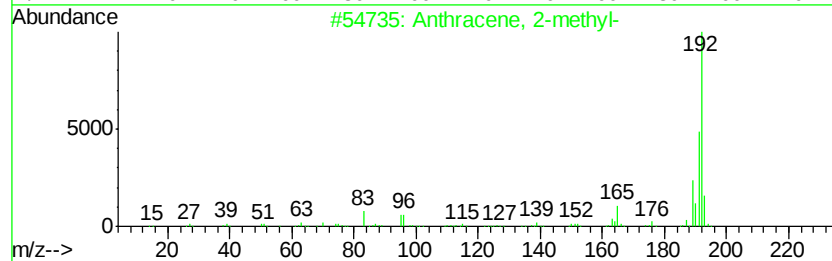
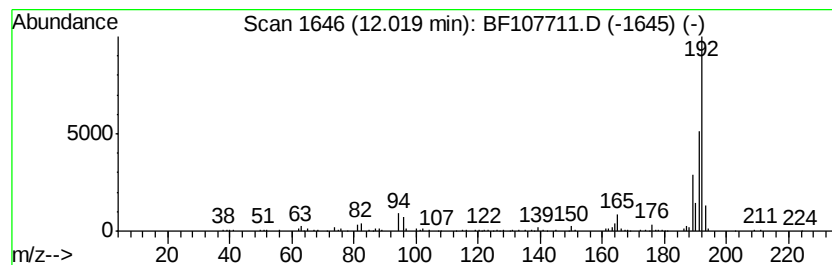
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.59 ng	308207	Phenanthrene-d10	11.50

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

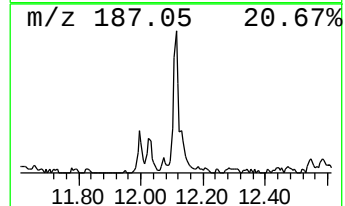
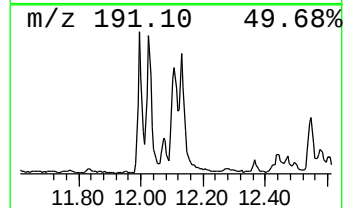
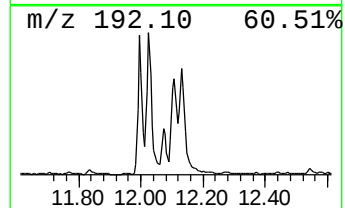
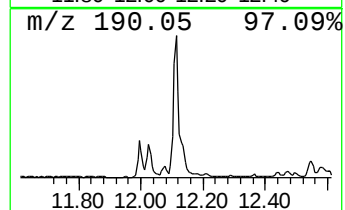
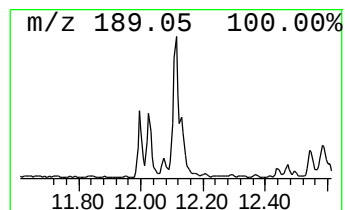
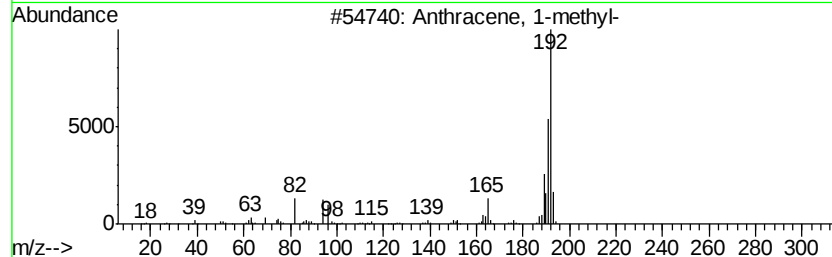
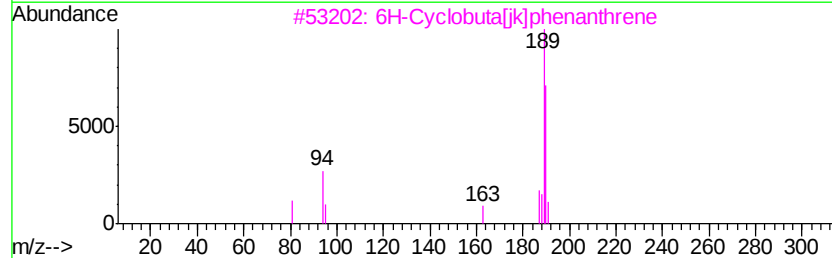
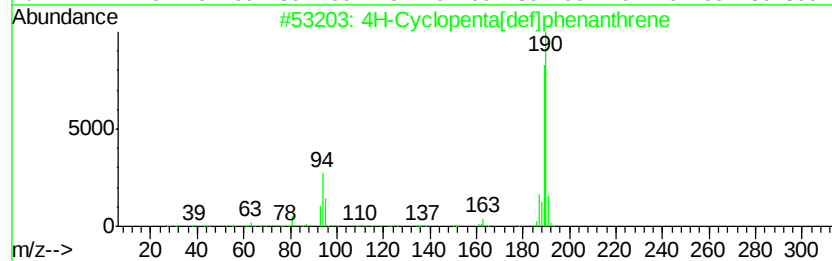
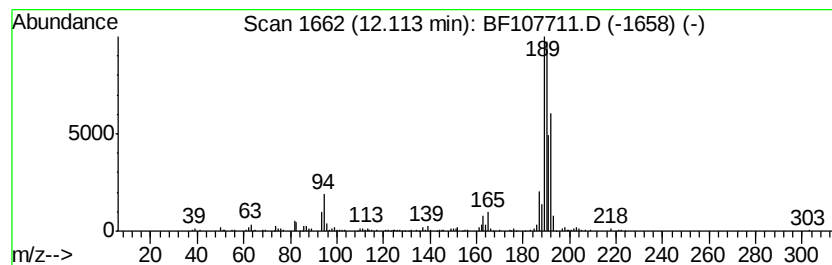
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.01 ng	470014	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

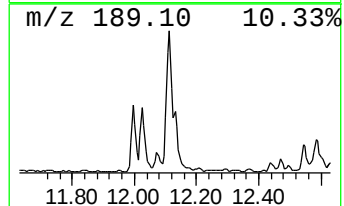
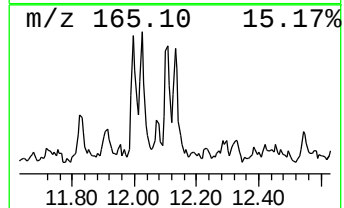
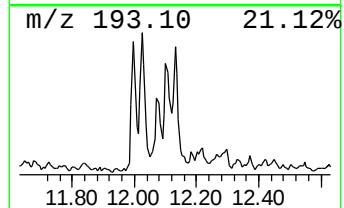
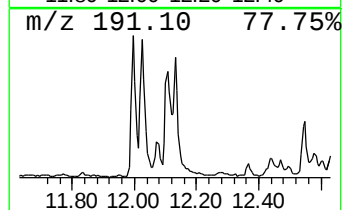
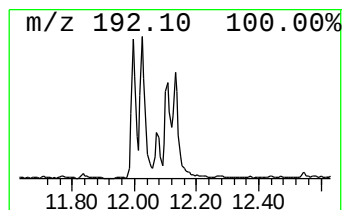
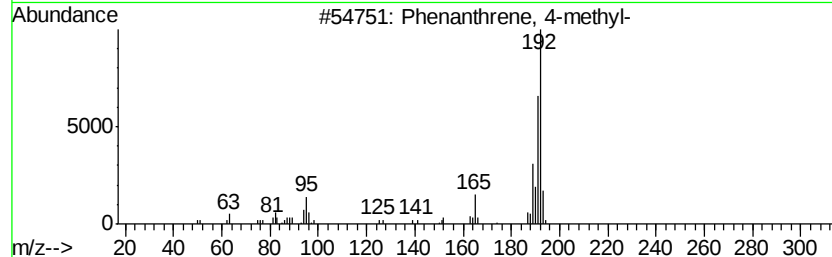
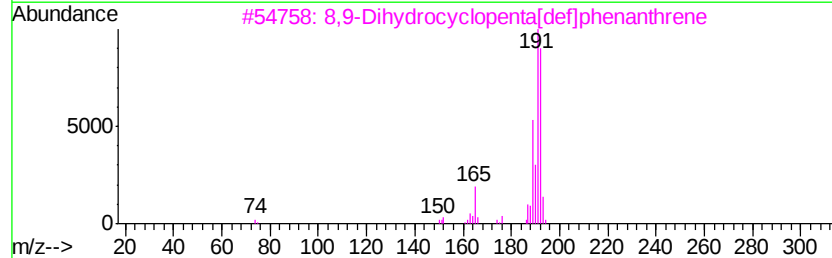
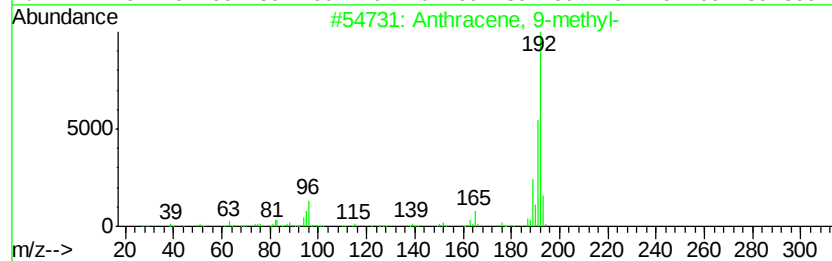
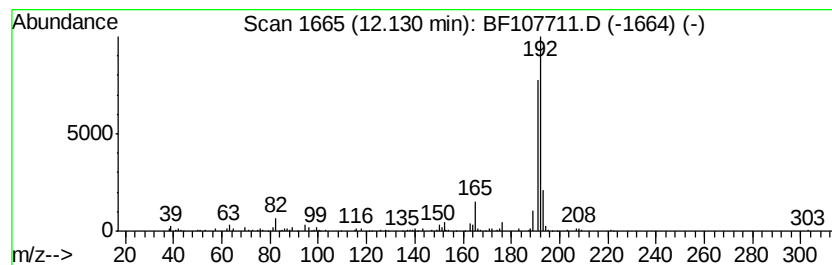
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.13 ng	210119	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	87
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

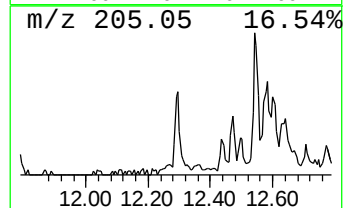
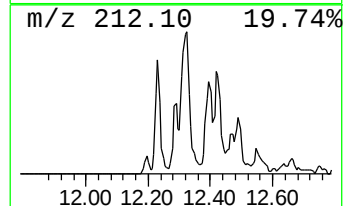
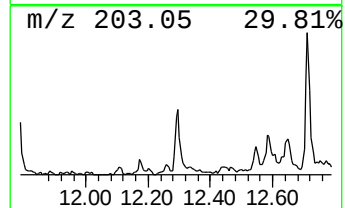
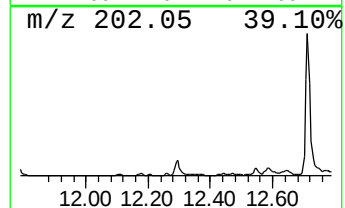
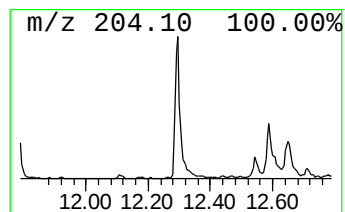
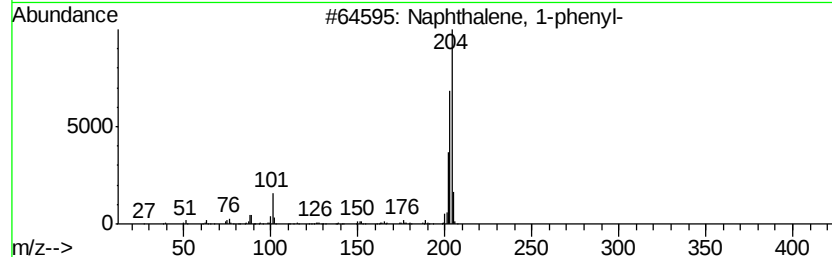
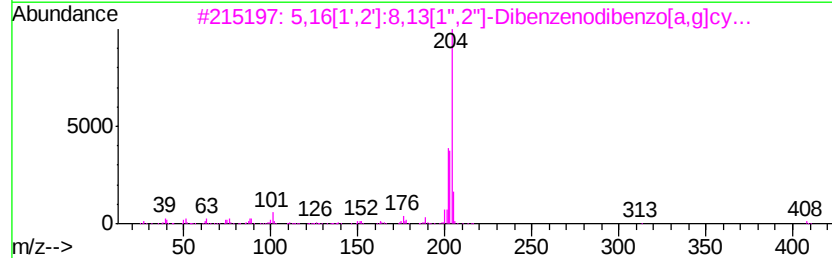
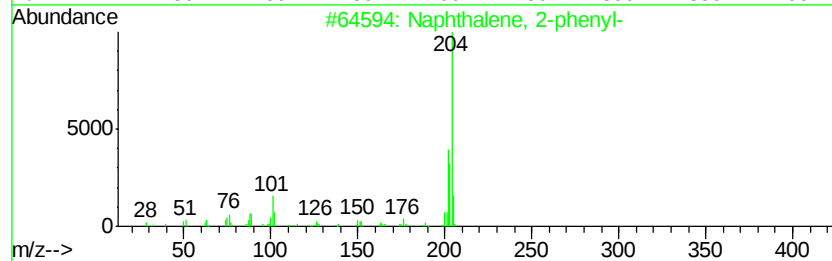
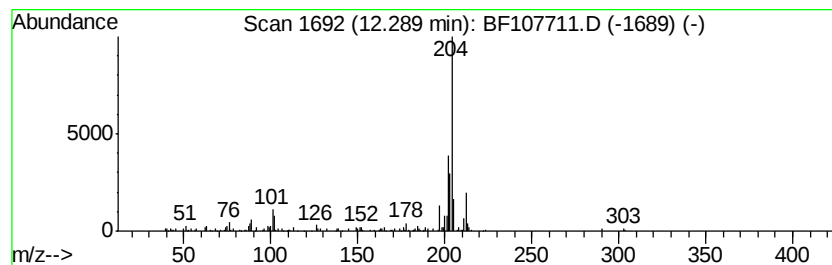
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.56 ng	171991	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

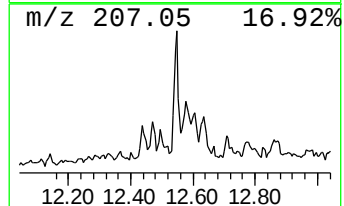
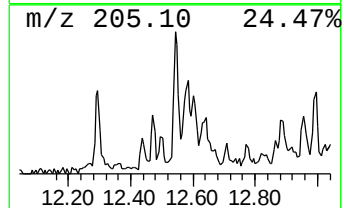
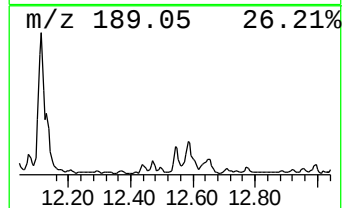
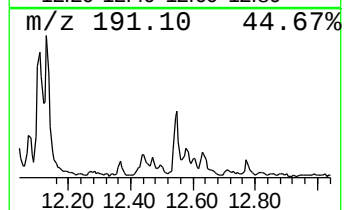
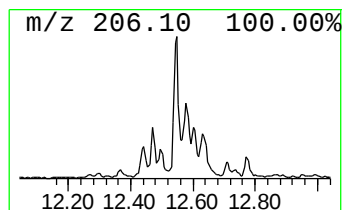
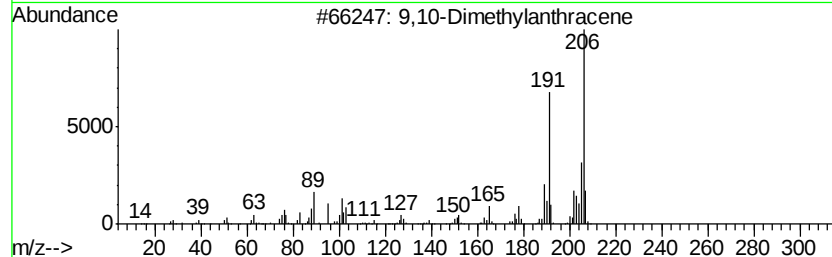
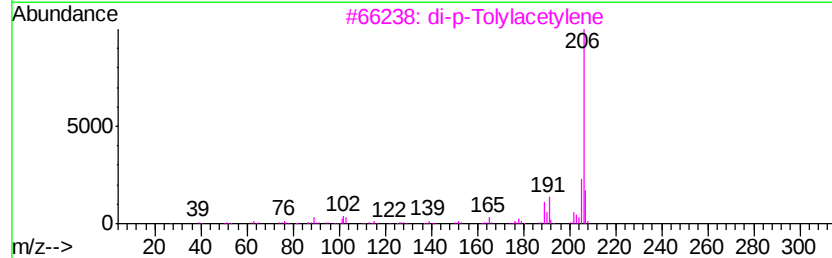
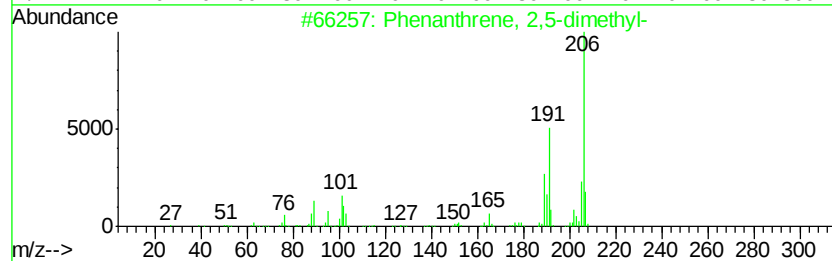
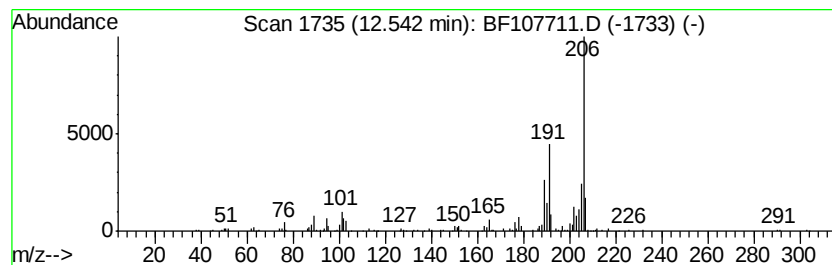
Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.54	3.26 ng	219000	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

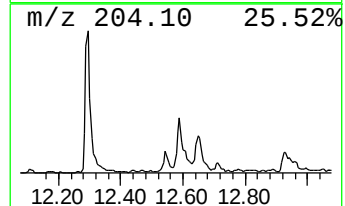
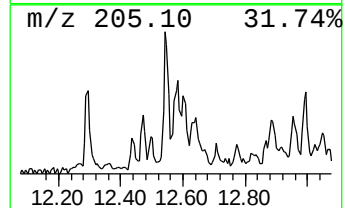
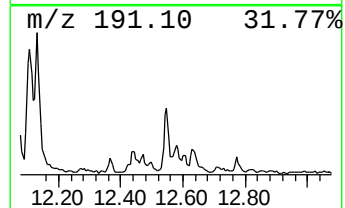
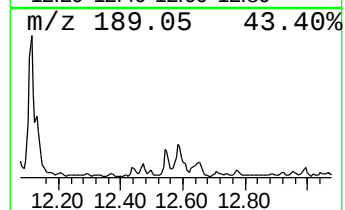
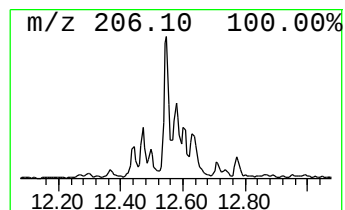
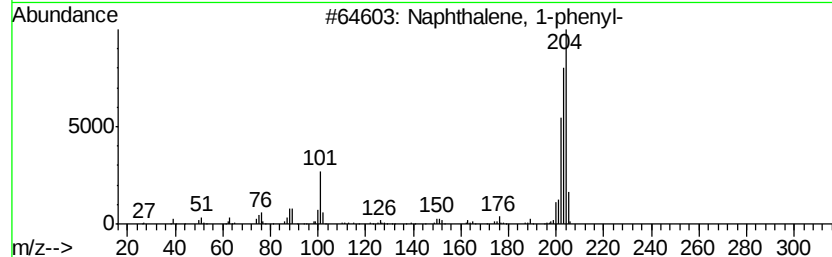
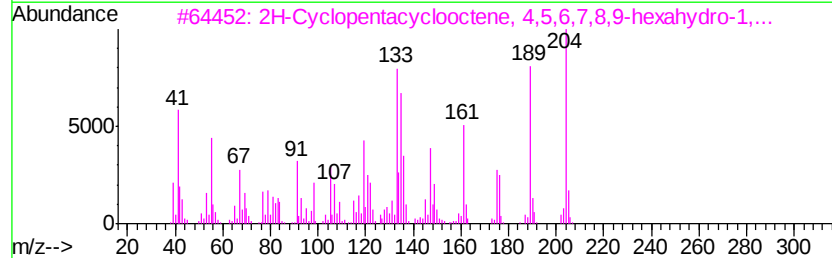
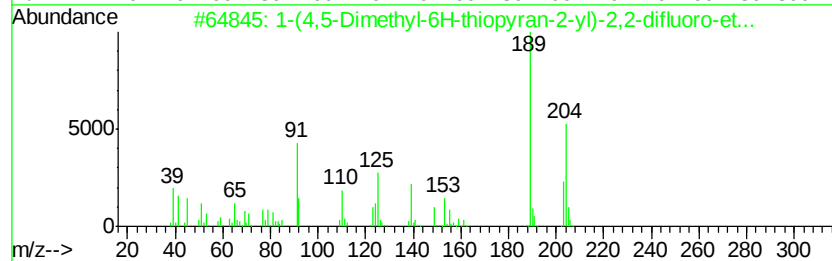
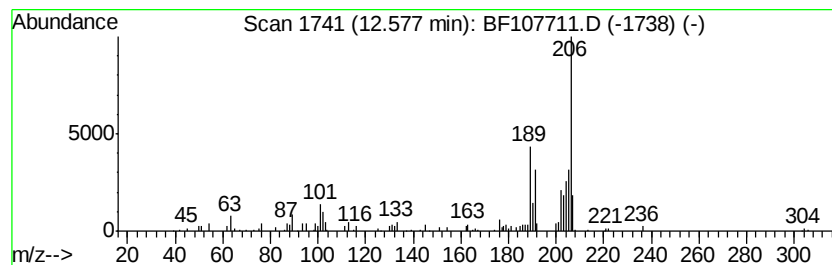
Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.58 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.58	2.29 ng	153831	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	46
2	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	38
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
GW-04(10-12)

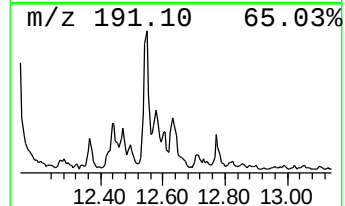
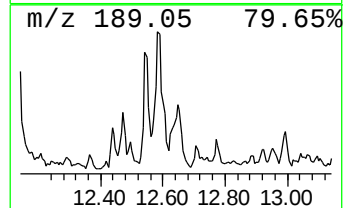
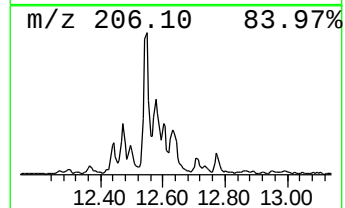
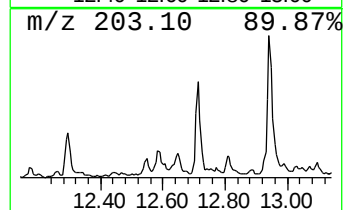
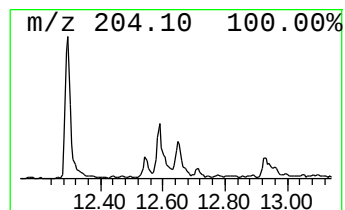
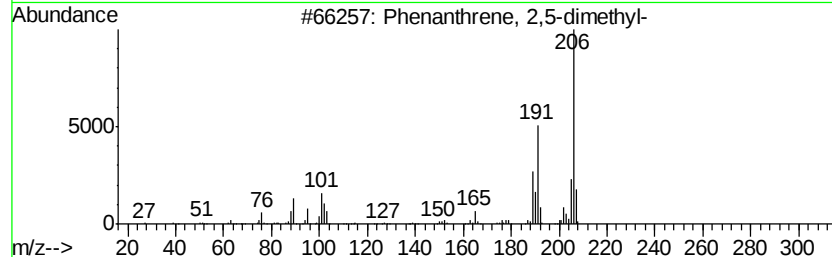
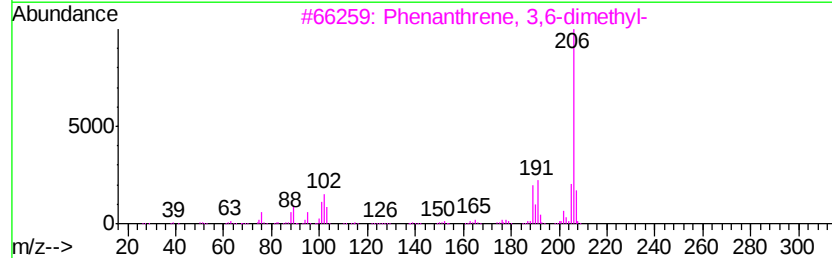
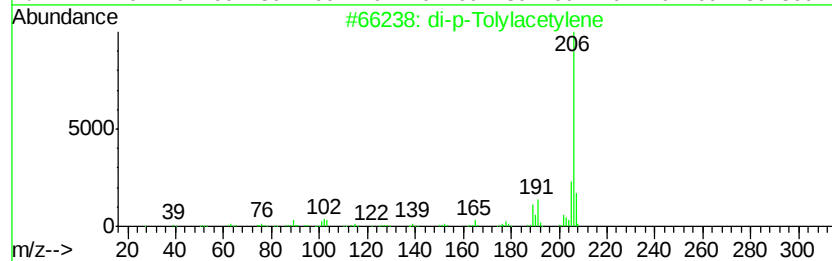
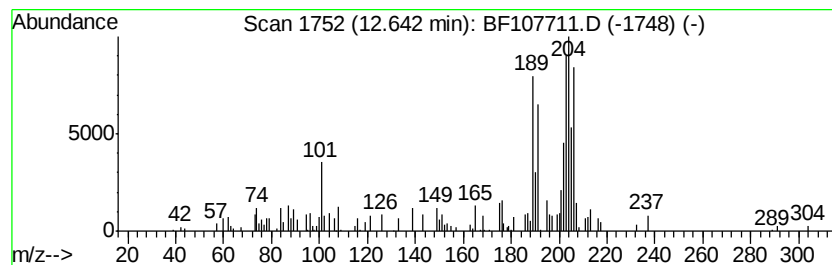
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 di-p-Tolylacetylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.60 ng	174485	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	81
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72
4			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	68
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

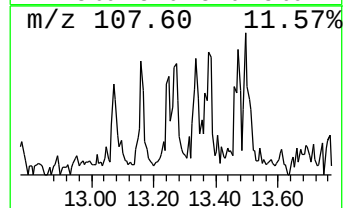
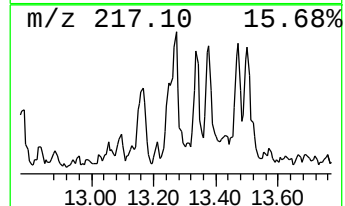
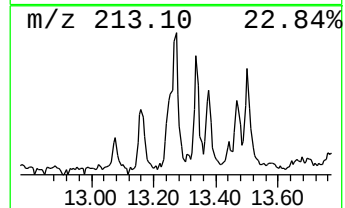
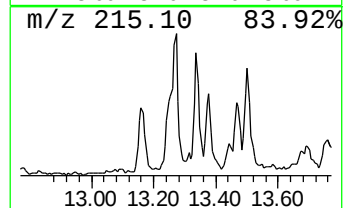
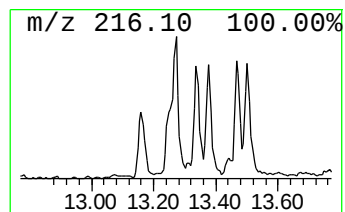
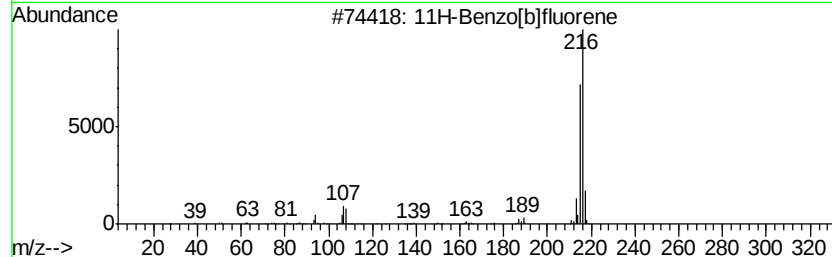
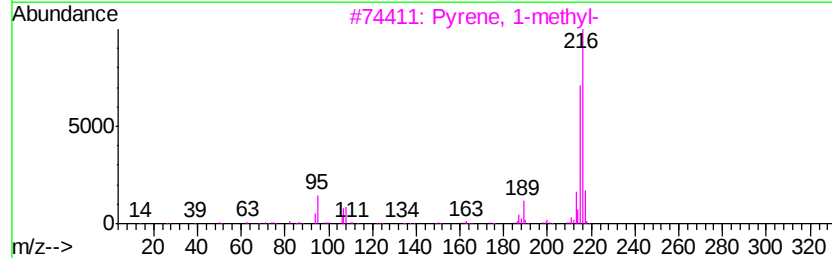
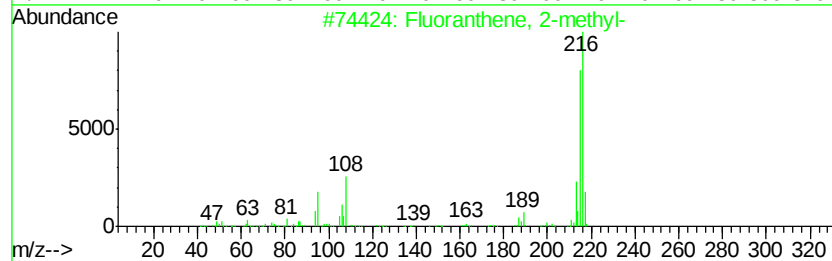
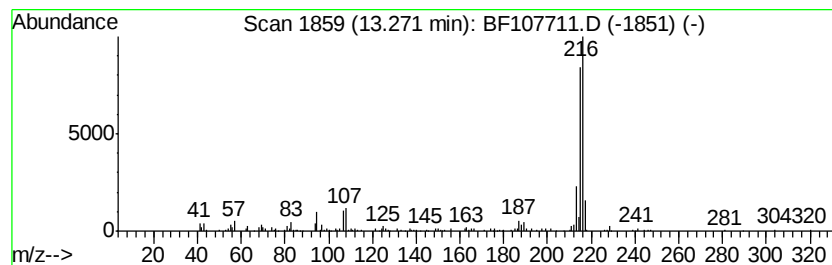
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.95 ng	254920	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107711.D
Acq On : 26 Jul 2018 20:27
Operator : JU/SJ
Sample : J4109-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(10-12)

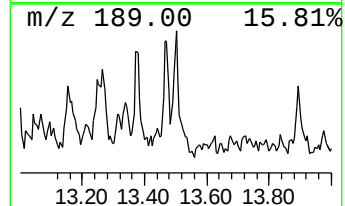
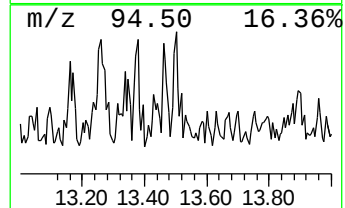
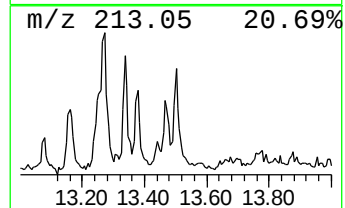
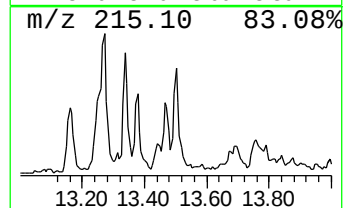
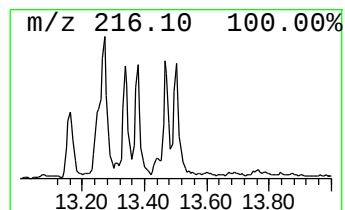
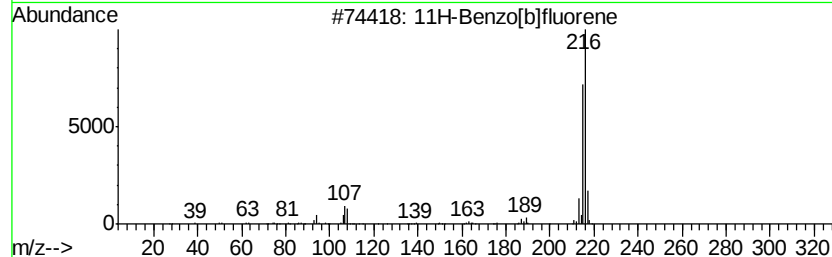
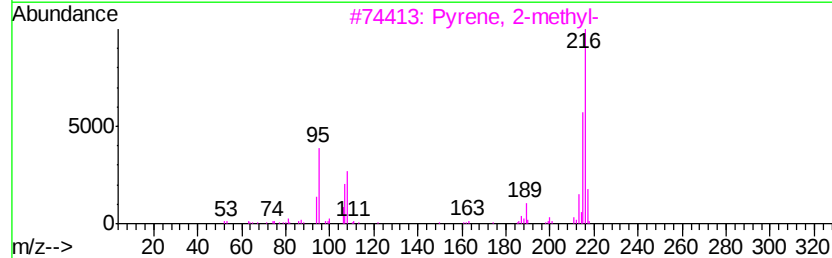
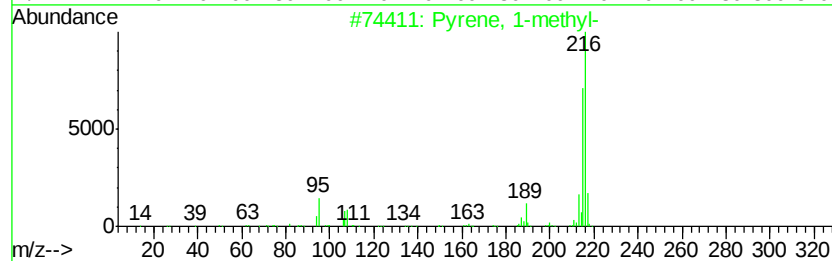
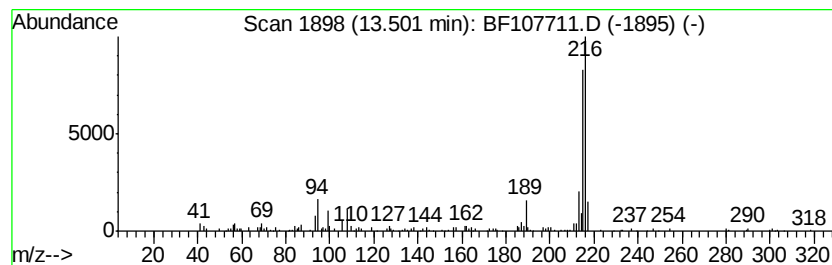
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.87 ng	185354	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107711.D
 Acq On : 26 Jul 2018 20:27
 Operator : JU/SJ
 Sample : J4109-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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
unknown6.04	6.74	15.2	ng	747673	1	6.96	983819	20.0
Naphthalene, 1-me...	9.05	3.5	ng	265987	2	8.24	1540730	20.0
Naphthalene, 2,6-...	9.58	2.2	ng	150051	3	10.00	1386980	20.0
Naphthalene, 2,3-...	9.65	3.7	ng	257318	3	10.00	1386980	20.0
Dimethyl phthalate	9.71	4.0	ng	277444	3	10.00	1386980	20.0
Naphthalene, 1,3-...	9.77	3.1	ng	217011	3	10.00	1386980	20.0
Naphthalene, 2-et...	9.86	2.8	ng	194611	3	10.00	1386980	20.0
9H-Fluorene, 1-me...	11.10	3.2	ng	216499	4	11.50	1341780	20.0
Dibenzothiophene	11.40	3.7	ng	247911	4	11.50	1341780	20.0
Phenanthrene, 2-m...	12.00	5.8	ng	387456	4	11.50	1341780	20.0
Anthracene, 2-met...	12.02	4.6	ng	308207	4	11.50	1341780	20.0
4H-Cyclopenta[def...	12.11	7.0	ng	470014	4	11.50	1341780	20.0
Anthracene, 9-met...	12.13	3.1	ng	210119	4	11.50	1341780	20.0
Naphthalene, 2-ph...	12.29	2.6	ng	171991	4	11.50	1341780	20.0
Phenanthrene, 2,5...	12.54	3.3	ng	219000	4	11.50	1341780	20.0
unknown12.58	12.58	2.3	ng	153831	4	11.50	1341780	20.0
di-p-Tolylacetylene	12.64	2.6	ng	174485	4	11.50	1341780	20.0
Fluoranthene, 2-m...	13.27	4.0	ng	254920	5	14.14	1290400	20.0
Pyrene, 1-methyl-	13.50	2.9	ng	185354	5	14.14	1290400	20.0