

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113781.D
 Acq On : 15 Apr 2019 23:54
 Operator : JU/SJ
 Sample : K2199-09 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-A

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-BF040319.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	5.292	541	545	572	rBV	523563	986142	52.19%	3.342%
2	6.334	718	722	738	rBV	560137	1049720	55.56%	3.557%
3	6.445	738	741	748	rVV	927952	1090846	57.73%	3.697%
4	6.510	750	752	757	rVB	50910	47547	2.52%	0.161%
5	6.669	776	779	787	rBV	703800	652657	34.54%	2.212%
6	6.828	802	806	816	rBV	813761	851333	45.06%	2.885%
7	7.239	873	876	880	rBV	456865	510313	27.01%	1.729%
8	7.275	880	882	889	rVB	130511	138895	7.35%	0.471%
9	7.951	993	997	1012	rBV	776854	928630	49.15%	3.147%
10	8.675	1117	1120	1126	rVB	52058	61601	3.26%	0.209%
11	8.769	1131	1136	1145	rBV	74009	85528	4.53%	0.290%
12	9.027	1176	1180	1190	rBV	1382120	1222552	64.71%	4.143%
13	9.298	1222	1226	1229	rBV	59915	82818	4.38%	0.281%
14	9.369	1234	1238	1240	rVV	107687	115369	6.11%	0.391%
15	9.392	1240	1242	1246	rVV	69916	79212	4.19%	0.268%
16	9.427	1246	1248	1255	rVV2	121149	148668	7.87%	0.504%
17	9.486	1255	1258	1263	rVB	51299	69382	3.67%	0.235%
18	9.569	1268	1272	1277	rBV	217299	220423	11.67%	0.747%
19	9.704	1288	1295	1298	rBV	960064	868478	45.97%	2.943%
20	9.733	1298	1300	1305	rVB	112869	110947	5.87%	0.376%
21	9.816	1310	1314	1317	rVB2	27811	35369	1.87%	0.120%
22	9.857	1317	1321	1324	rBV5	18554	26518	1.40%	0.090%
23	9.910	1326	1330	1334	rVV2	94589	99590	5.27%	0.337%
24	9.951	1334	1337	1340	rVB	58116	53396	2.83%	0.181%
25	10.022	1345	1349	1352	rBV	79574	80992	4.29%	0.274%
26	10.051	1352	1354	1357	rVV	40622	32779	1.73%	0.111%
27	10.110	1360	1364	1366	rBV2	44152	58650	3.10%	0.199%
28	10.133	1366	1368	1371	rVV2	35963	33642	1.78%	0.114%
29	10.251	1385	1388	1394	rVB	184136	214178	11.34%	0.726%
30	10.316	1394	1399	1401	rBV3	32361	43905	2.32%	0.149%
31	10.363	1405	1407	1410	rVV	45178	40973	2.17%	0.139%
32	10.410	1411	1415	1418	rVV2	45266	52453	2.78%	0.178%
33	10.498	1426	1430	1442	rVB	580610	664756	35.18%	2.253%
34	10.621	1446	1451	1456	rBV4	57551	93184	4.93%	0.316%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113781.D
 Acq On : 15 Apr 2019 23:54
 Operator : JU/SJ
 Sample : K2199-09 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-A

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-BF040319.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.798	1477	1481	1484	rBV2	83781	114558	6.06%	0.388%
36	10.827	1484	1486	1489	rVV	73560	65481	3.47%	0.222%
37	10.880	1493	1495	1498	rVB	50767	40594	2.15%	0.138%
38	10.927	1498	1503	1505	rBV2	34895	45987	2.43%	0.156%
39	10.951	1505	1507	1513	rVB4	36565	39088	2.07%	0.132%
40	11.004	1513	1516	1519	rBV2	36502	38072	2.02%	0.129%
41	11.086	1527	1530	1535	rVB	118489	122722	6.50%	0.416%
42	11.139	1535	1539	1543	rBV	46743	47034	2.49%	0.159%
43	11.186	1543	1547	1549	rBV	949070	825804	43.71%	2.798%
44	11.210	1549	1551	1556	rVV	1210450	986369	52.20%	3.343%
45	11.263	1557	1560	1564	rVV	320225	295525	15.64%	1.001%
46	11.304	1564	1567	1569	rVV2	51584	65832	3.48%	0.223%
47	11.351	1573	1575	1580	rVB4	24632	35633	1.89%	0.121%
48	11.427	1584	1588	1592	rBV3	105346	152695	8.08%	0.517%
49	11.480	1594	1597	1599	rVB2	60593	54431	2.88%	0.184%
50	11.521	1599	1604	1608	rBV	74595	94614	5.01%	0.321%
51	11.604	1615	1618	1622	rVB	55920	64727	3.43%	0.219%
52	11.651	1622	1626	1628	rBV5	20349	31269	1.65%	0.106%
53	11.686	1629	1632	1635	rVV	323078	301388	15.95%	1.021%
54	11.716	1635	1637	1643	rVV	375782	396430	20.98%	1.343%
55	11.768	1643	1646	1648	rVV	125358	130557	6.91%	0.442%
56	11.798	1648	1651	1654	rVV	468588	509079	26.94%	1.725%
57	11.821	1654	1655	1661	rVB	233213	164518	8.71%	0.558%
58	11.886	1664	1666	1670	rVV3	33222	35231	1.86%	0.119%
59	11.921	1670	1672	1675	rVV	42037	35007	1.85%	0.119%
60	11.980	1679	1682	1685	rVV	150489	150532	7.97%	0.510%
61	12.021	1687	1689	1692	rVB2	69894	72206	3.82%	0.245%
62	12.115	1702	1705	1706	rBV	40262	38138	2.02%	0.129%
63	12.133	1706	1708	1710	rVV	78973	60242	3.19%	0.204%
64	12.163	1710	1713	1716	rVV	136129	123156	6.52%	0.417%
65	12.192	1716	1718	1720	rVB	89603	71547	3.79%	0.242%
66	12.239	1722	1726	1728	rBV	337482	335513	17.76%	1.137%
67	12.274	1728	1732	1734	rVV	190283	213695	11.31%	0.724%
68	12.298	1734	1736	1738	rVB	78909	61820	3.27%	0.209%
69	12.333	1738	1742	1745	rBV2	148252	192697	10.20%	0.653%
70	12.398	1750	1753	1757	rVV	1553404	1511015	79.97%	5.120%
71	12.445	1758	1761	1762	rVV	66347	66653	3.53%	0.226%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113781.D
 Acq On : 15 Apr 2019 23:54
 Operator : JU/SJ
 Sample : K2199-09 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-A

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-BF040319.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.463	1762	1764	1767	rVV2	68414	68996	3.65%	0.234%
73	12.498	1767	1770	1776	rVV	98634	119446	6.32%	0.405%
74	12.551	1776	1779	1782	rVV2	124622	144857	7.67%	0.491%
75	12.627	1786	1792	1798	rVV	1707750	1889418	100.00%	6.403%
76	12.686	1798	1802	1806	rVB3	138496	155744	8.24%	0.528%
77	12.762	1812	1815	1818	rVB	1108637	1025863	54.30%	3.476%
78	12.792	1818	1820	1825	rVB3	87694	111233	5.89%	0.377%
79	12.845	1825	1829	1834	rBV3	185424	309300	16.37%	1.048%
80	12.904	1837	1839	1841	rVB2	50995	39138	2.07%	0.133%
81	12.939	1841	1845	1846	rBV3	165605	222348	11.77%	0.753%
82	12.957	1846	1848	1851	rVB	365245	310675	16.44%	1.053%
83	13.004	1853	1856	1857	rBV	75050	75460	3.99%	0.256%
84	13.021	1857	1859	1862	rVB	246330	182854	9.68%	0.620%
85	13.062	1862	1866	1870	rBV2	271244	299117	15.83%	1.014%
86	13.121	1873	1876	1878	rBV3	47620	60286	3.19%	0.204%
87	13.151	1878	1881	1884	rBV	205810	162628	8.61%	0.551%
88	13.180	1884	1886	1890	rBV	199631	198774	10.52%	0.674%
89	13.474	1933	1936	1939	rVB	135593	127578	6.75%	0.432%
90	13.580	1951	1954	1955	rBV	113263	114423	6.06%	0.388%
91	13.627	1960	1962	1964	rBV	135257	130298	6.90%	0.442%
92	13.821	1991	1995	1998	rBV2	1191064	1773116	93.84%	6.009%
93	13.851	1998	2000	2004	rVB	820775	731811	38.73%	2.480%
94	13.986	2020	2023	2028	rBV3	167385	198981	10.53%	0.674%
95	14.215	2060	2062	2065	rVB	227146	164785	8.72%	0.558%
96	14.845	2166	2169	2172	rBV	601241	771990	40.86%	2.616%
97	14.945	2184	2186	2191	rVB	175386	207423	10.98%	0.703%
98	15.127	2214	2217	2221	rVB	323736	341475	18.07%	1.157%
99	15.186	2224	2227	2232	rVB	486193	524137	27.74%	1.776%
100	15.239	2233	2236	2240	rBV	499767	605842	32.07%	2.053%

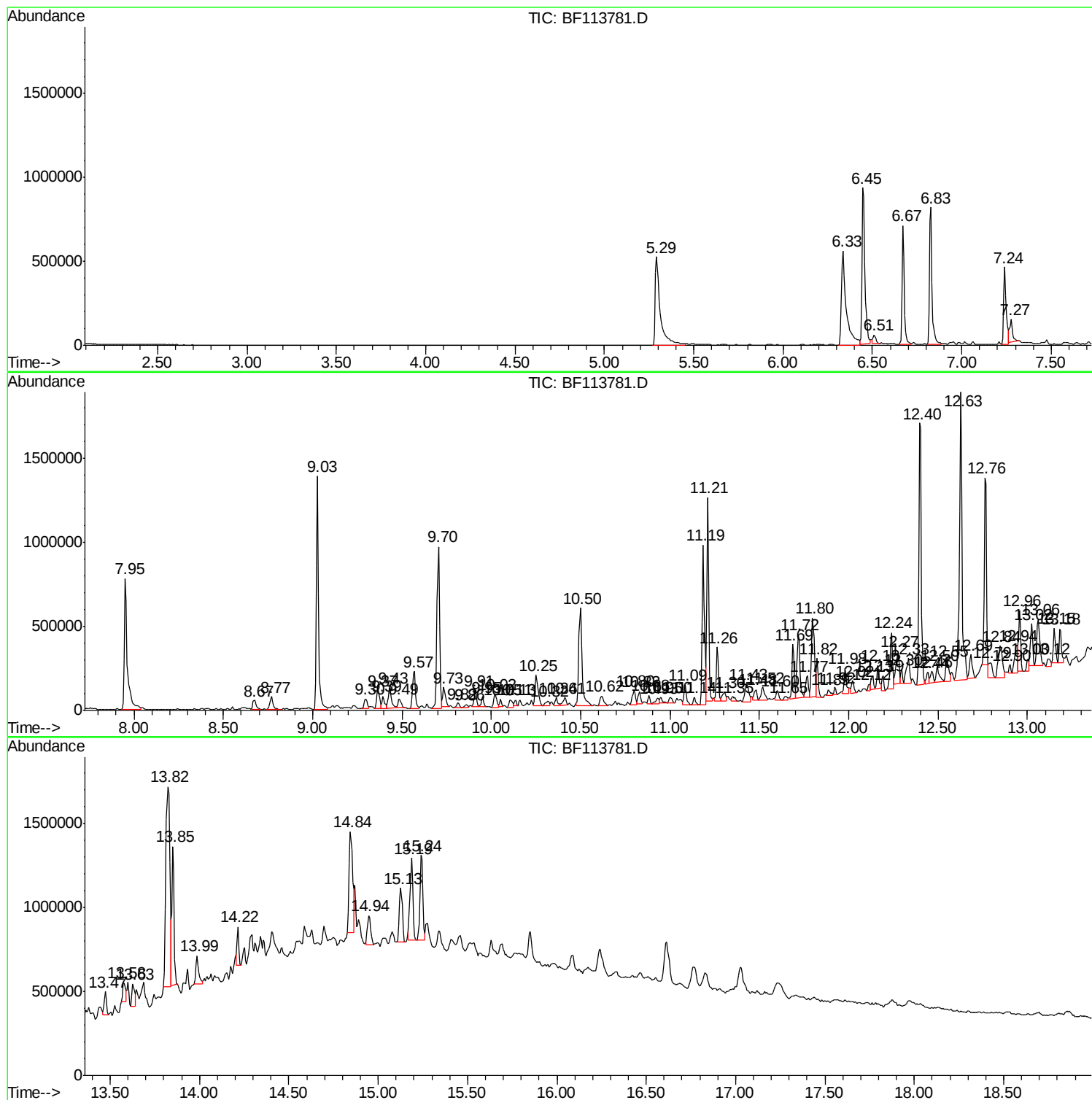
Sum of corrected areas: 29509301

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

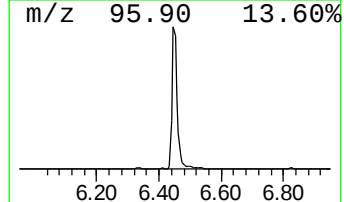
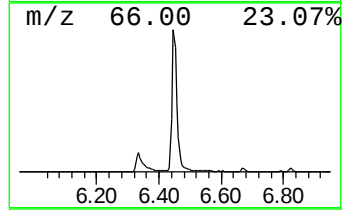
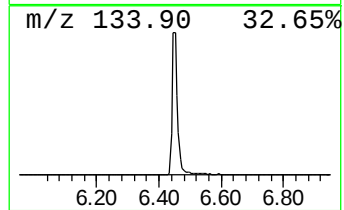
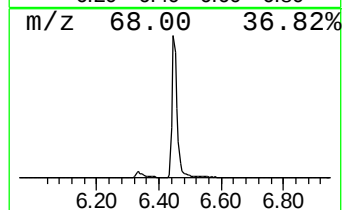
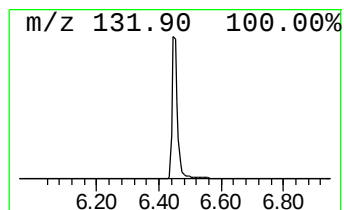
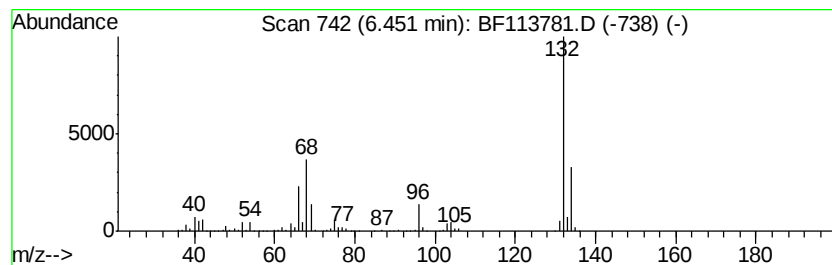
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	33.43 ng	1090850	1,4-Dichlorobenzene-d4	6.67

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	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		5-Aminoindole	132	C8H8N2	005192-03-0	10
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

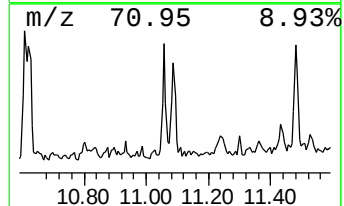
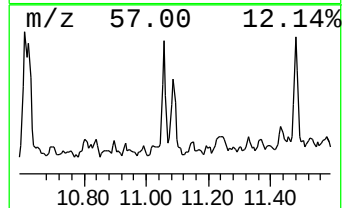
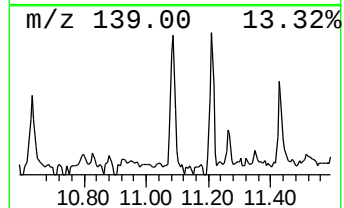
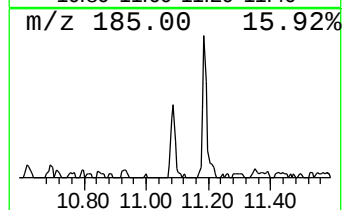
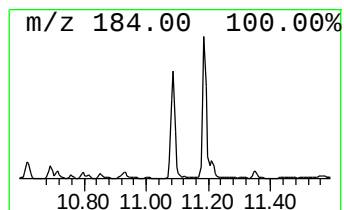
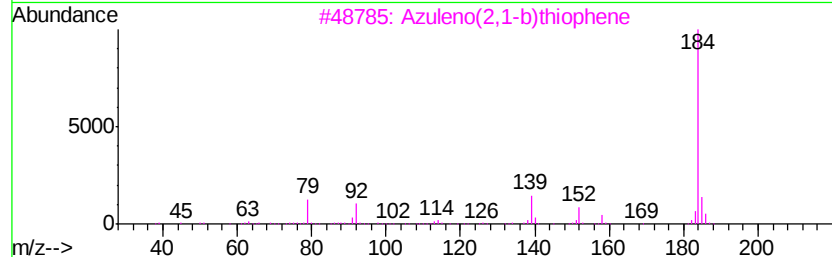
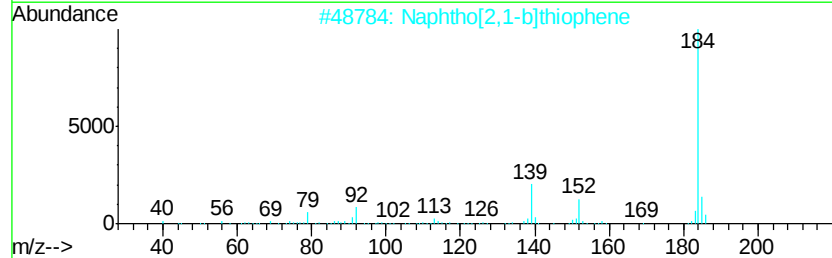
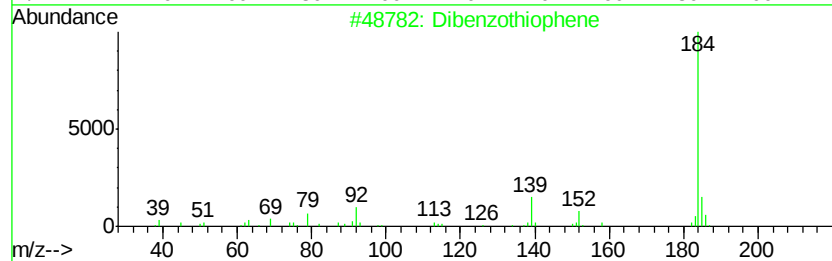
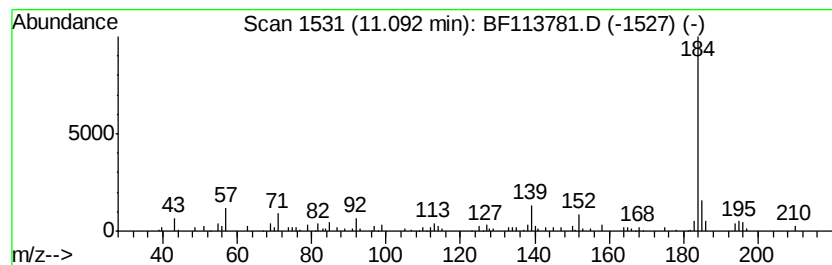
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	2.97 ng	122722	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

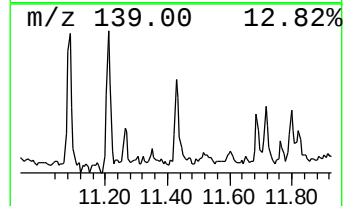
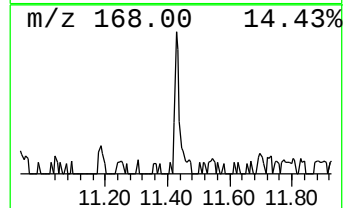
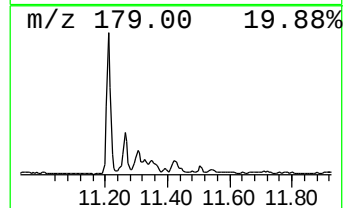
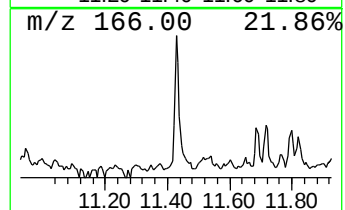
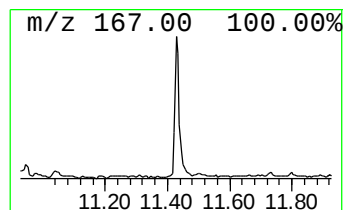
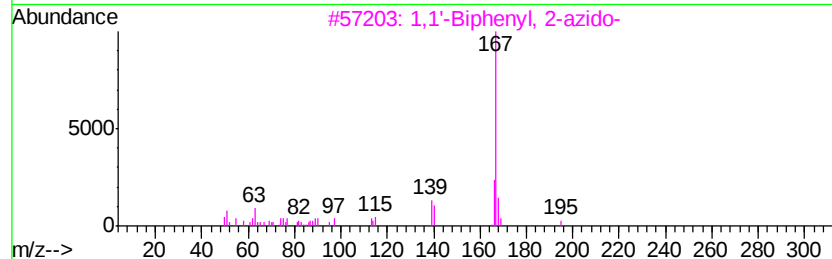
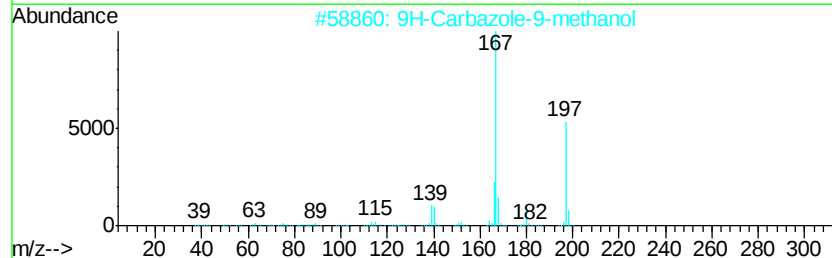
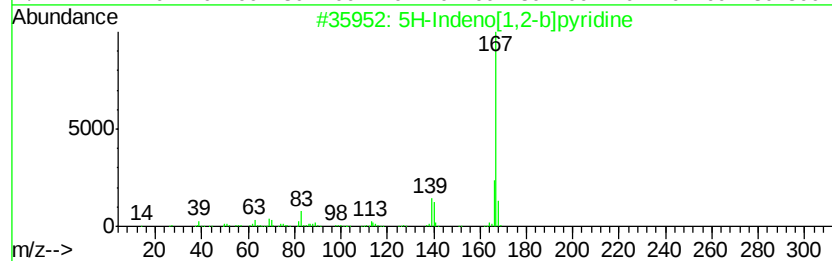
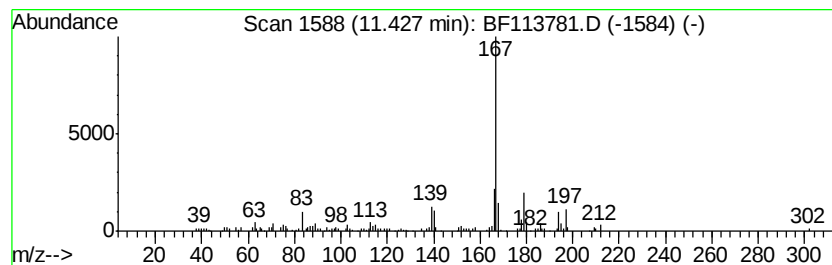
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.43	3.70 ng	152695	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	86
2	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	76
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	70
4	Carbazole	167	C12H9N	000086-74-8	64
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

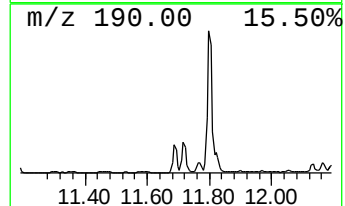
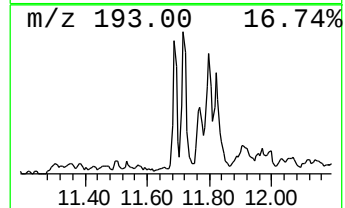
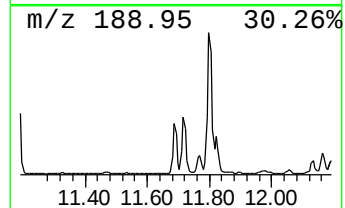
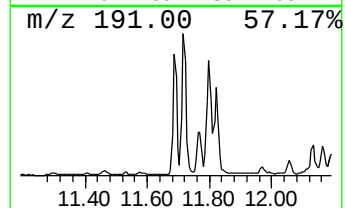
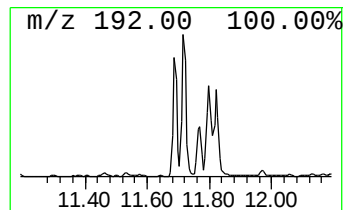
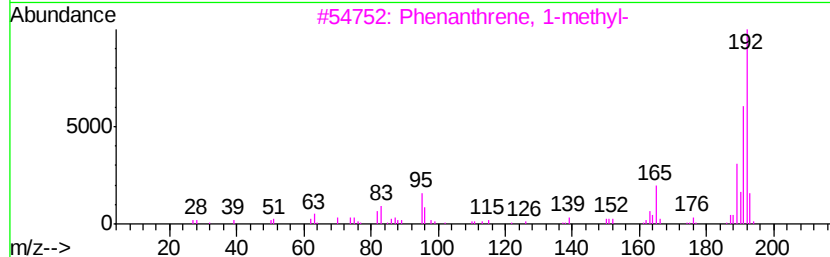
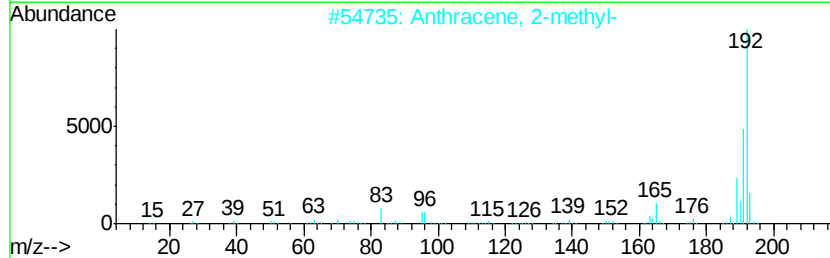
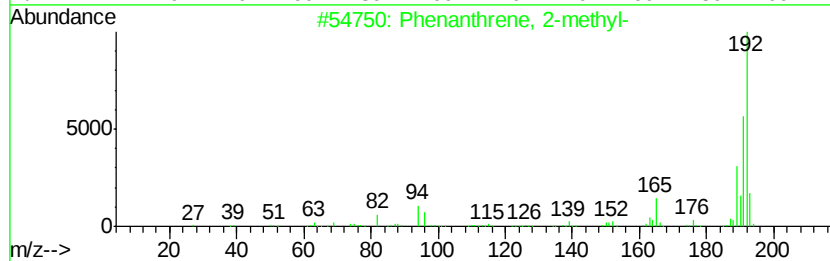
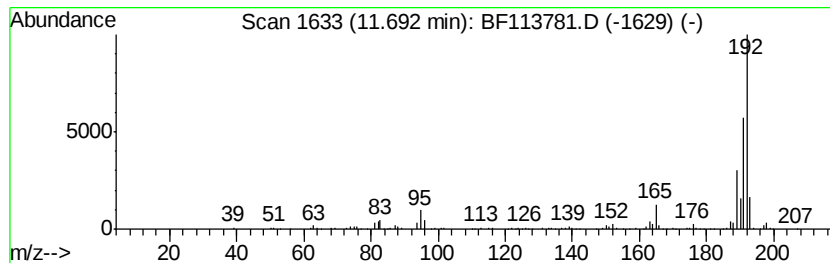
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.69	7.30 ng	301388	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
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\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

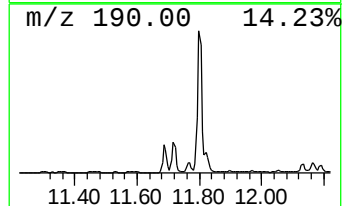
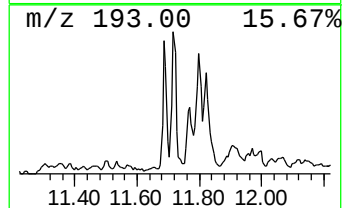
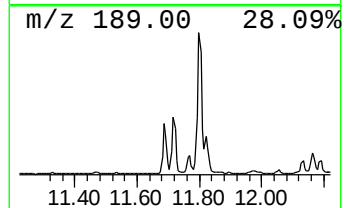
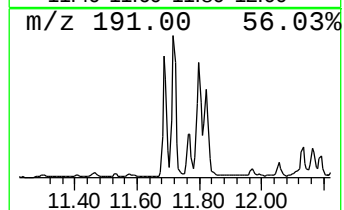
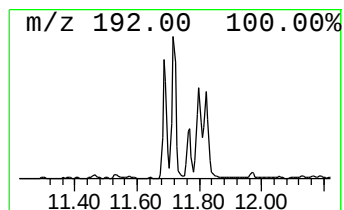
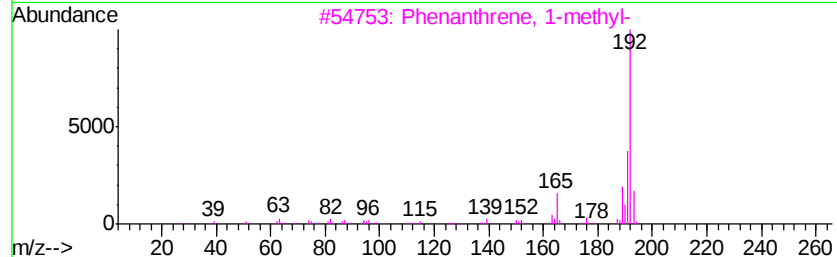
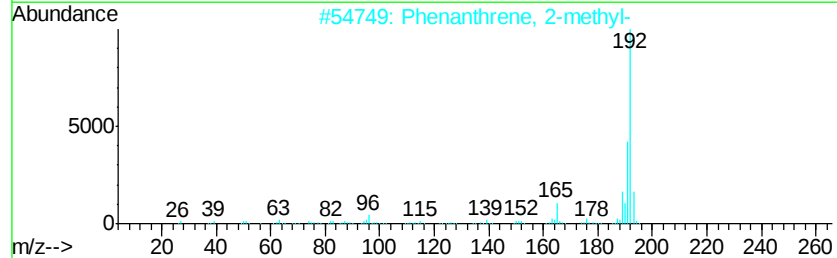
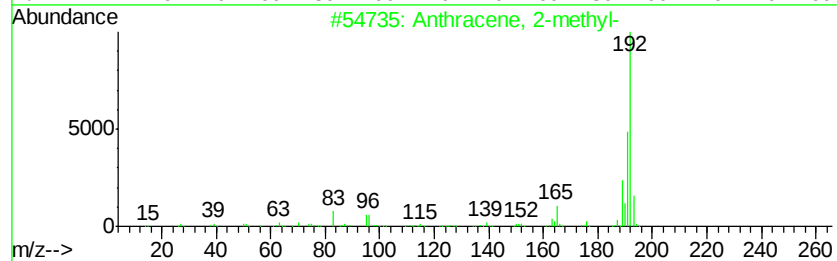
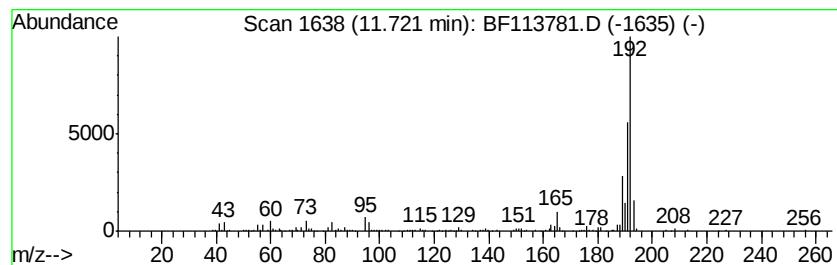
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	9.60 ng	396430	Phenanthrene-d10	11.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

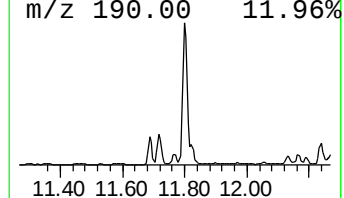
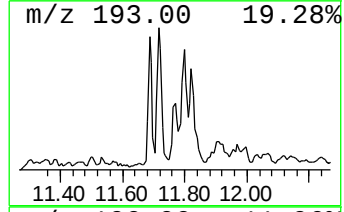
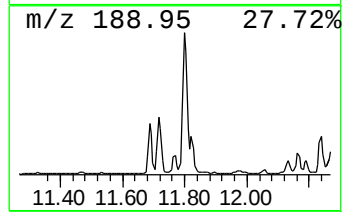
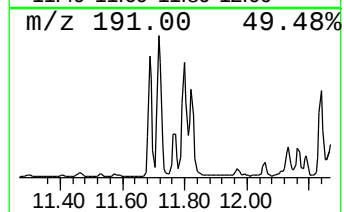
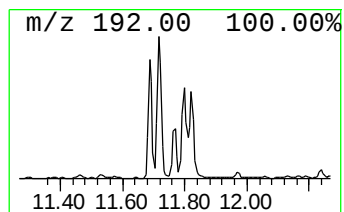
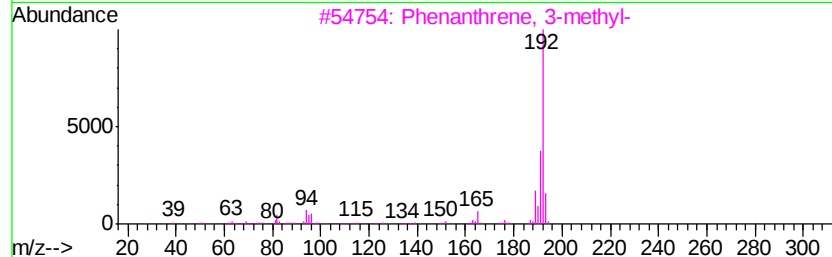
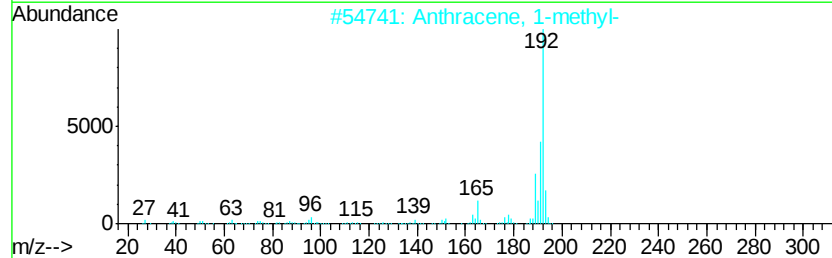
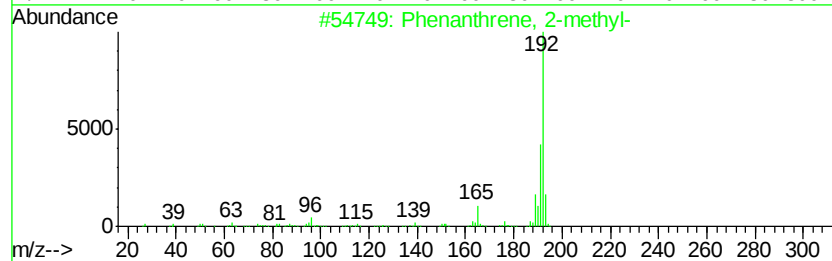
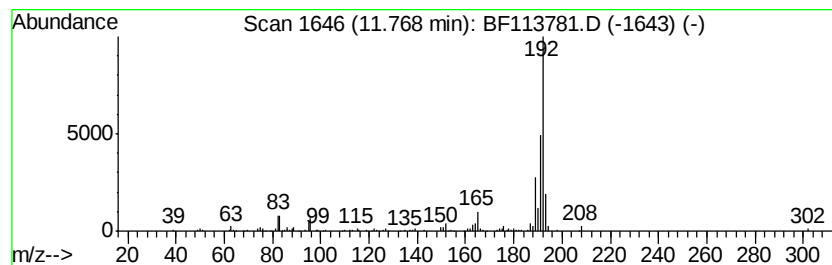
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.16 ng	130557	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

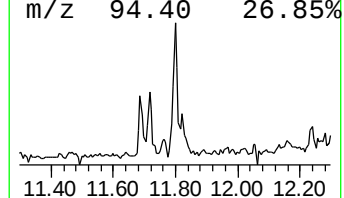
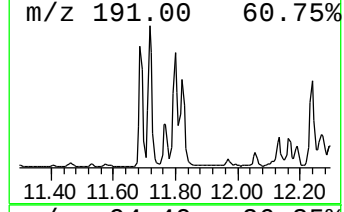
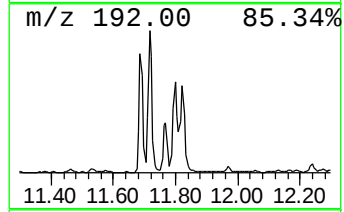
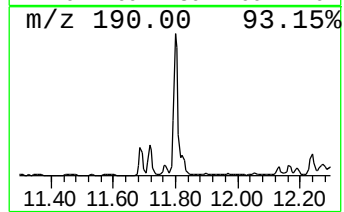
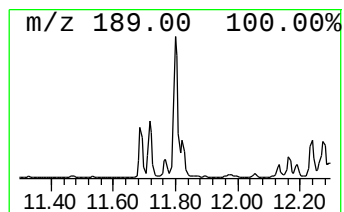
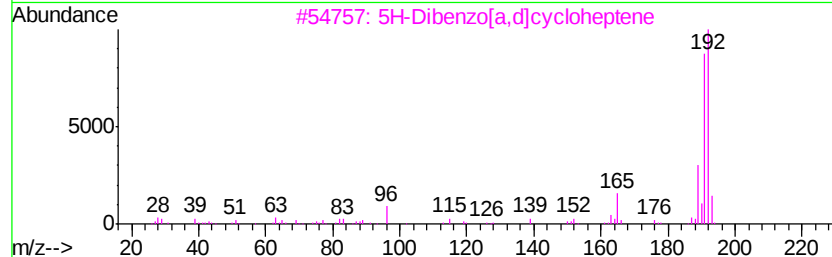
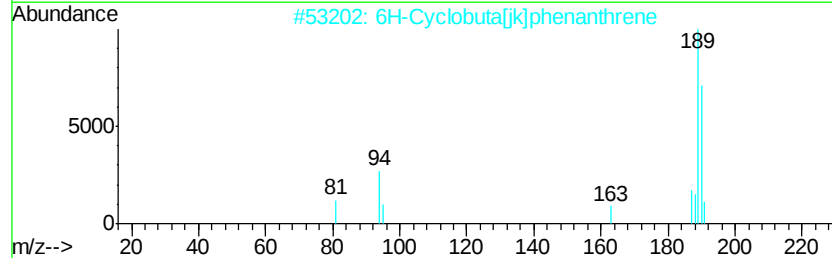
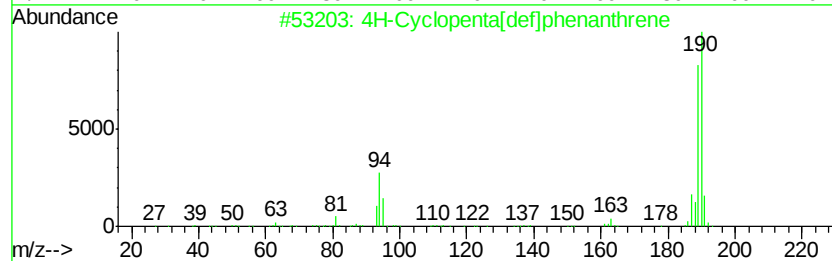
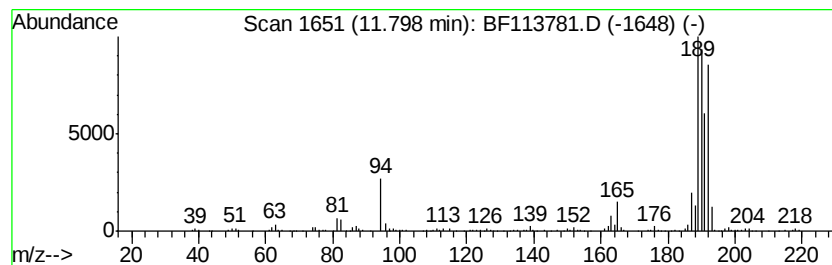
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.80	12.33 ng	509079	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

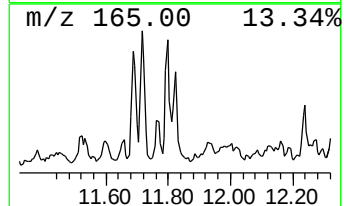
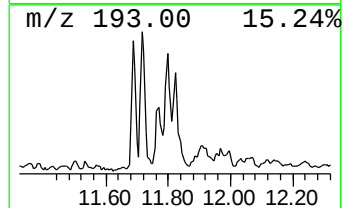
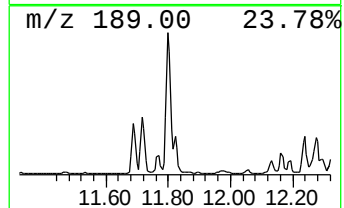
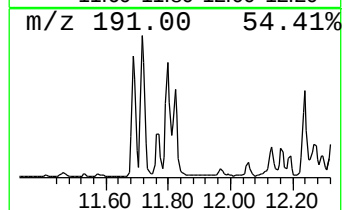
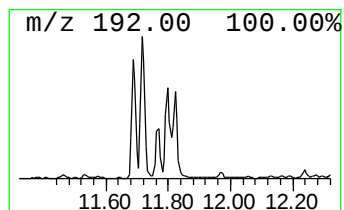
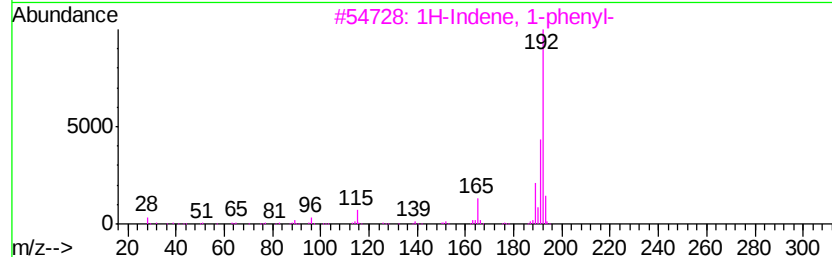
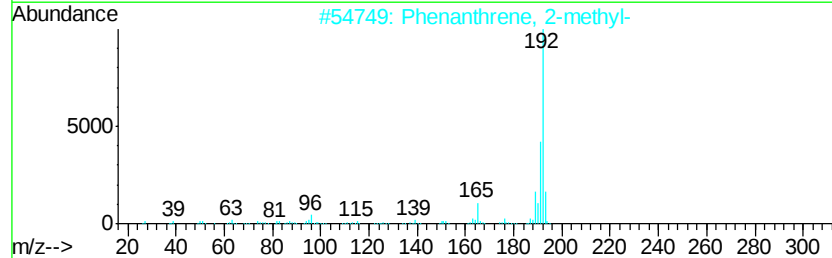
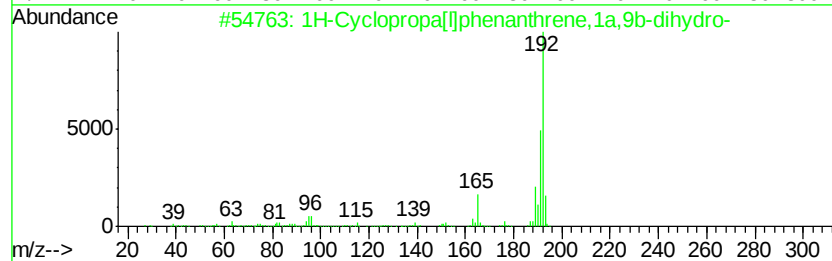
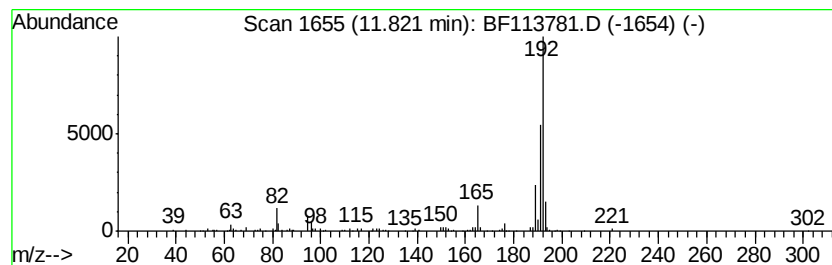
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.98 ng	164518	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

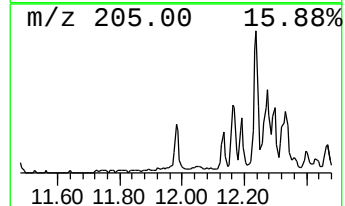
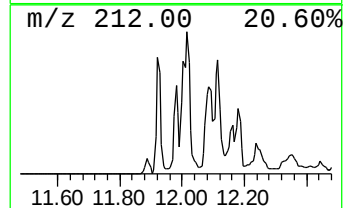
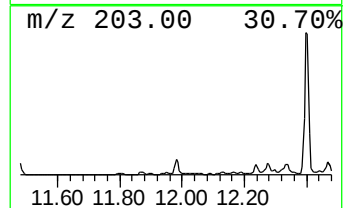
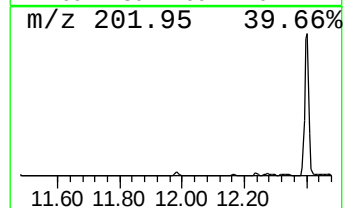
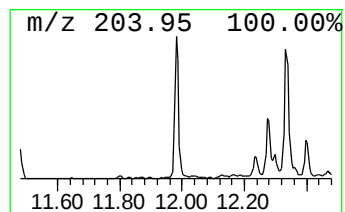
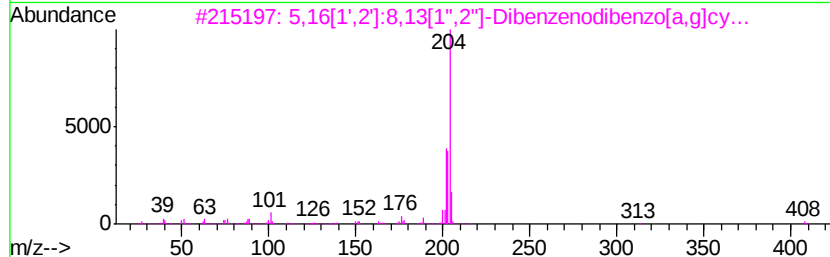
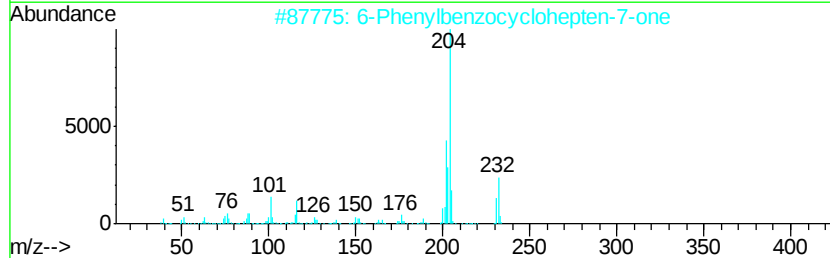
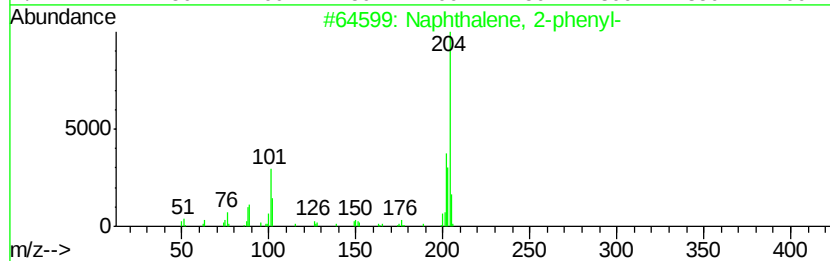
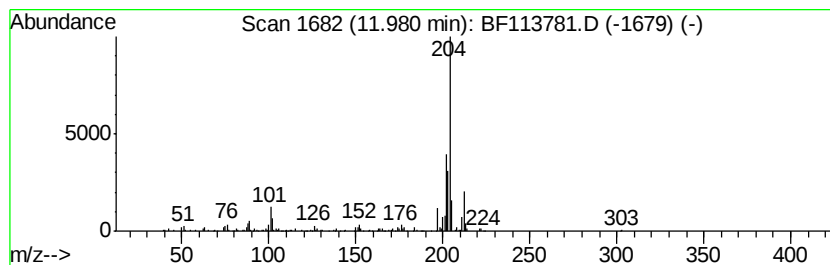
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	3.65 ng	150532	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

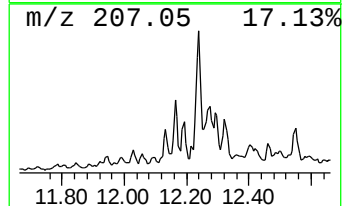
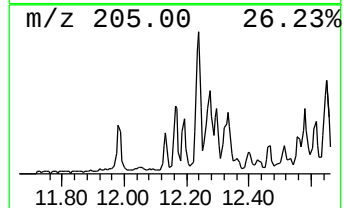
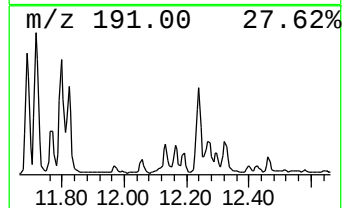
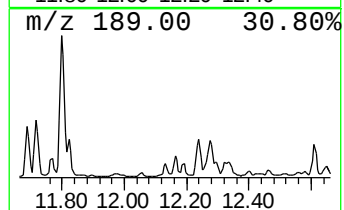
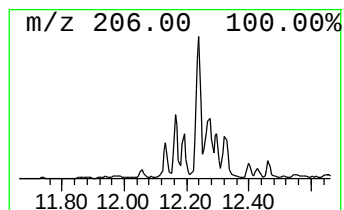
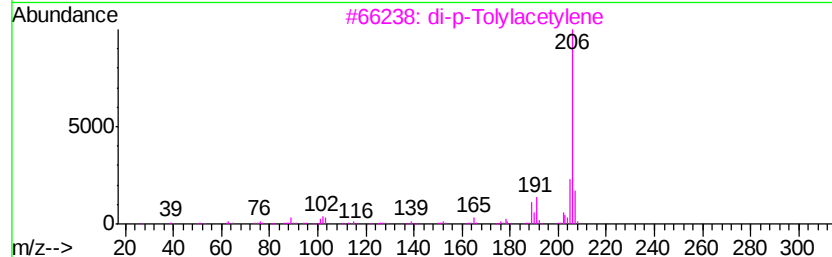
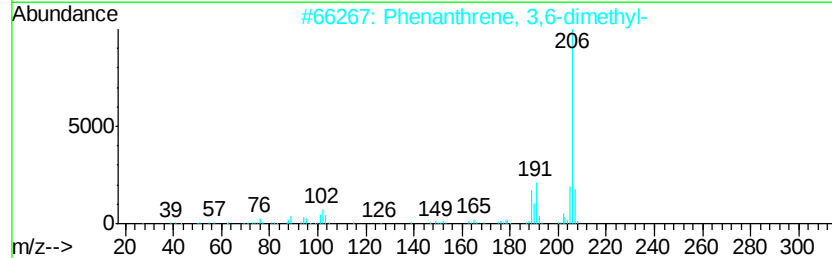
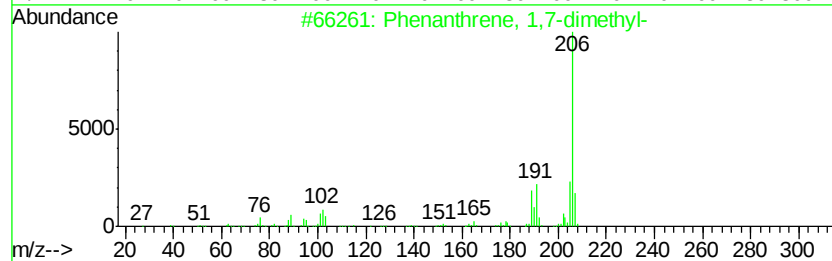
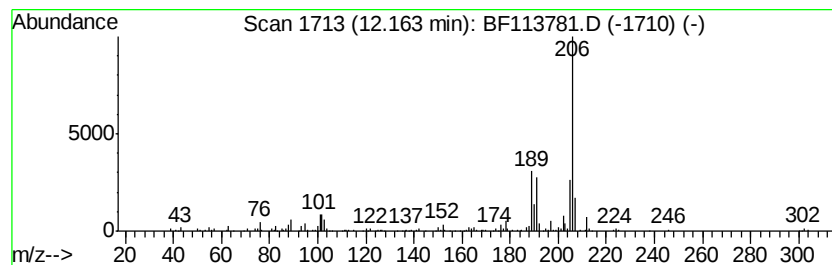
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.98 ng	123156	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

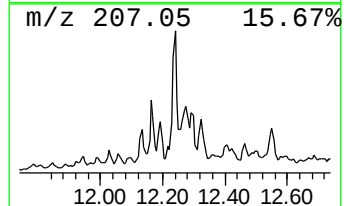
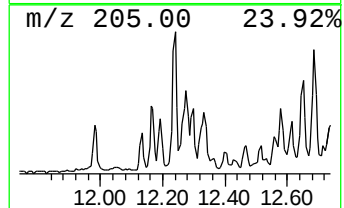
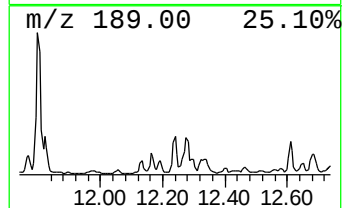
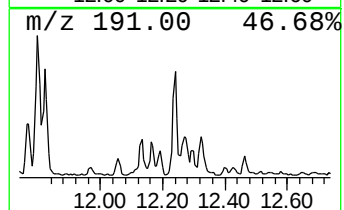
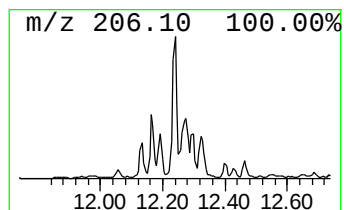
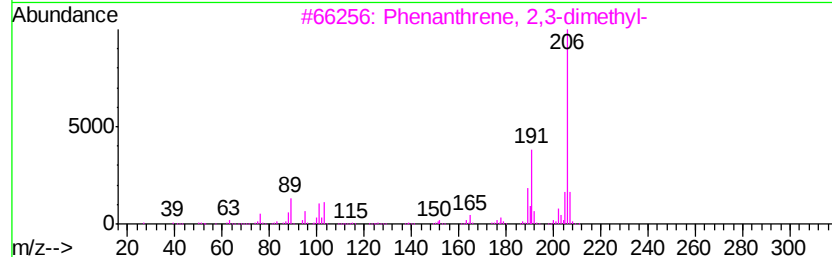
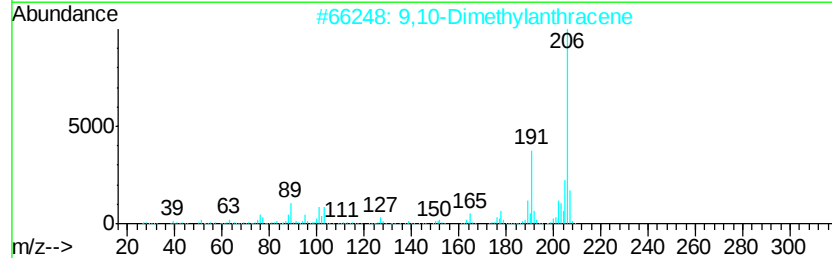
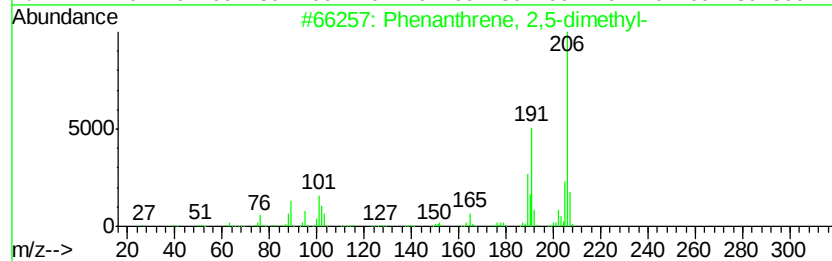
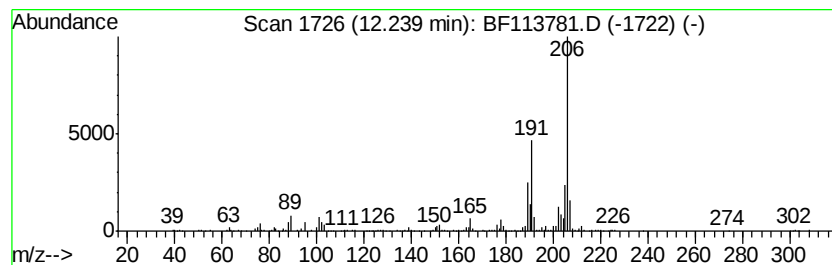
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.24	8.13 ng	335513	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

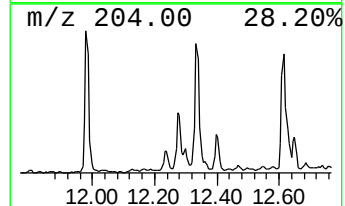
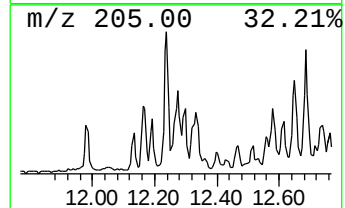
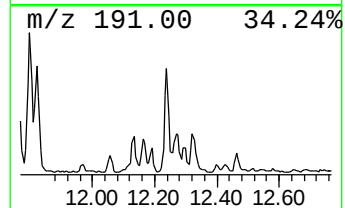
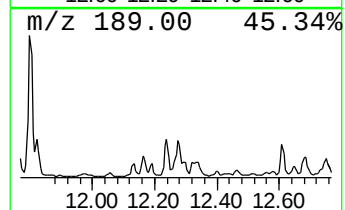
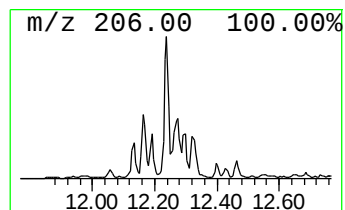
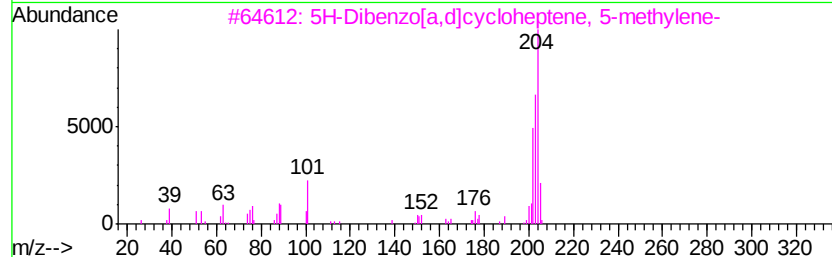
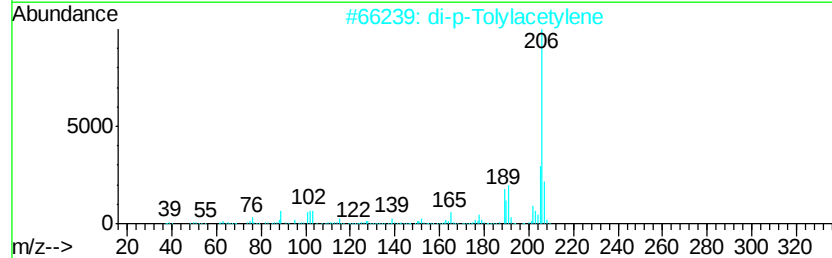
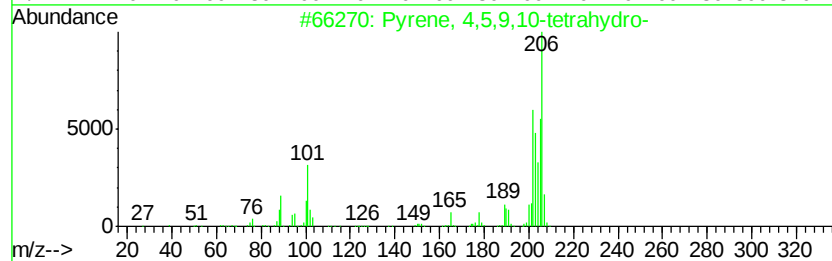
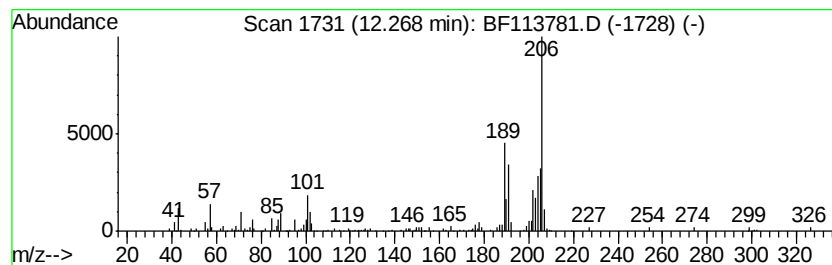
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.27 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	5.18 ng	213695	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	35
3		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

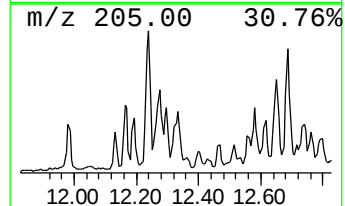
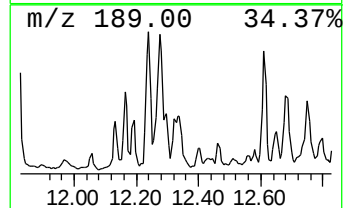
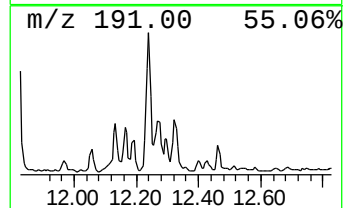
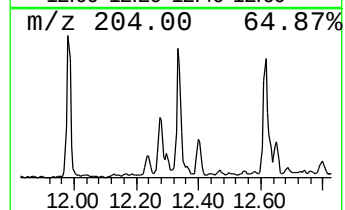
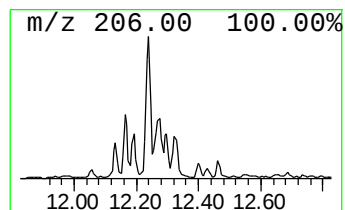
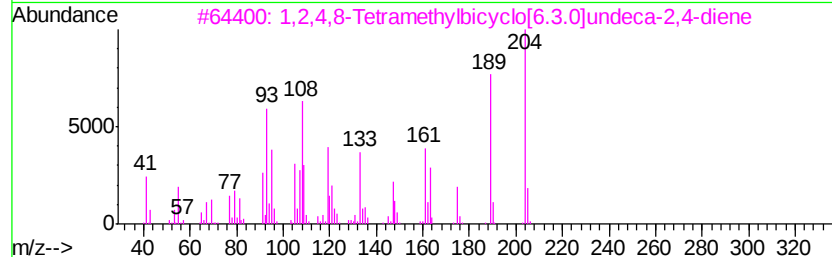
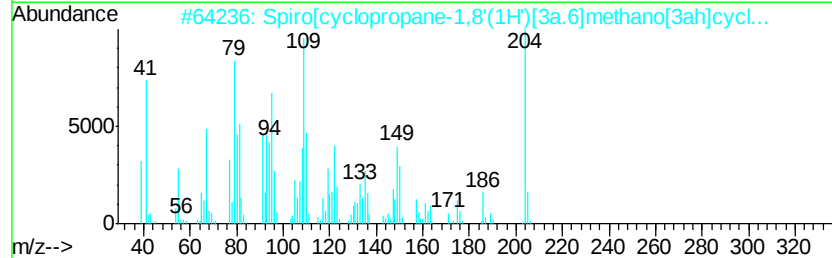
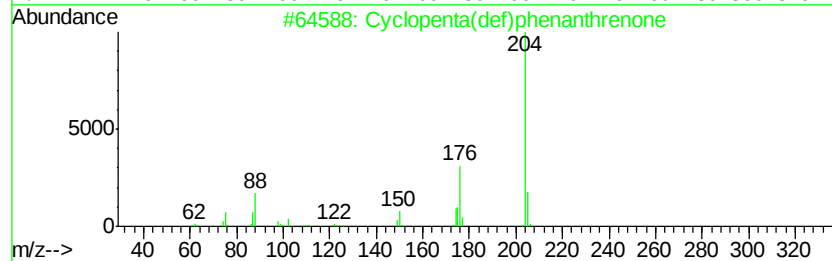
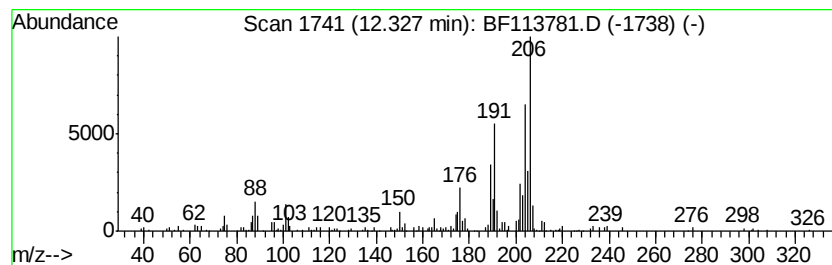
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.33	4.67 ng	192697	Phenanthrene-d10	11.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		Spiro[cyclopropane-1,8'(1H')][3a...	204	C14H20O	452049-62-6	74
3		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

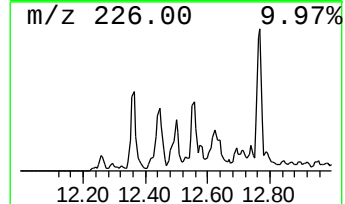
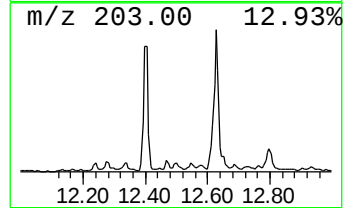
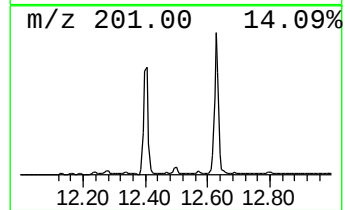
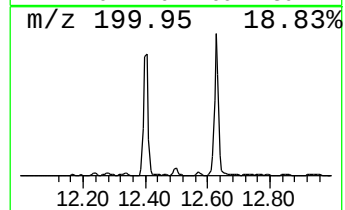
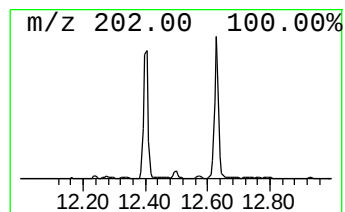
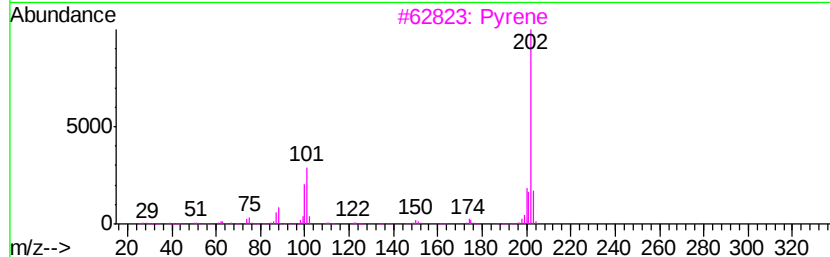
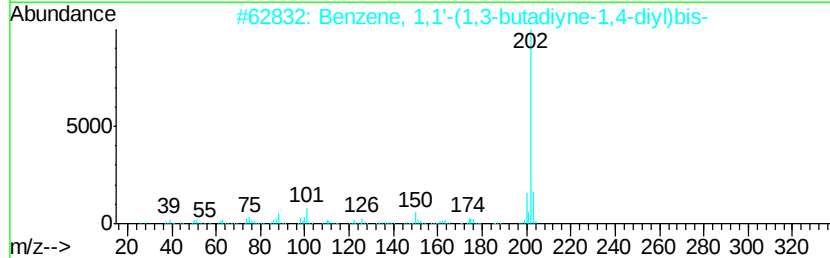
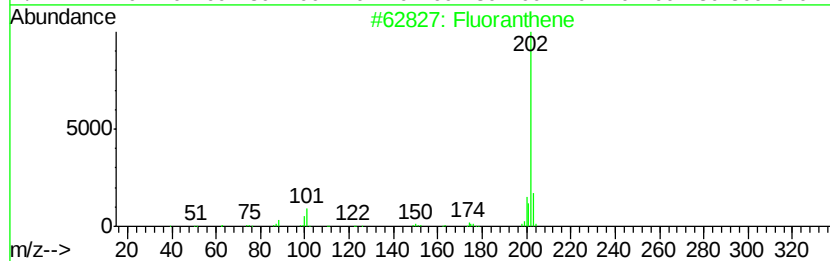
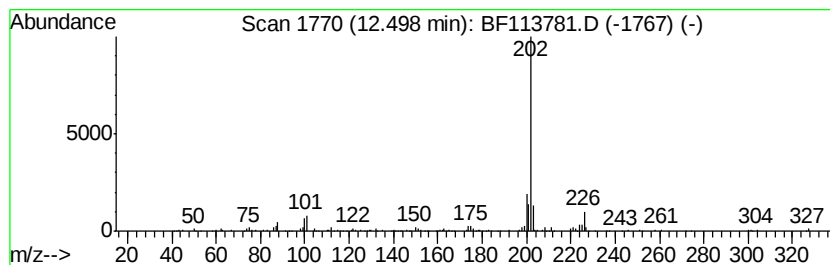
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	2.89 ng	119446	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene	202	C16H10	000206-44-0	64
2			Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	62
3			Pyrene	202	C16H10	000129-00-0	59
4			1-Methyl-7,11-dithiaspiro[5,5] u...	202	C10H18S2	107678-22-8	49
5			Carbonic acid, monoamide, N-benz...	293	C19H19N02	1000340-17-8	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

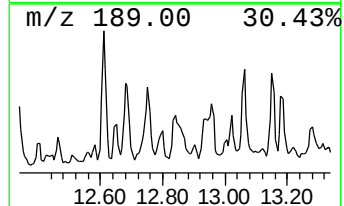
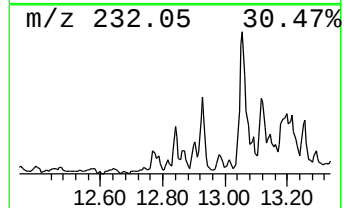
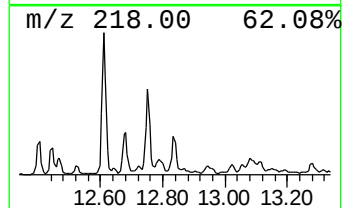
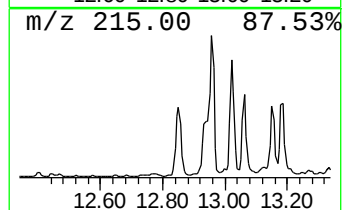
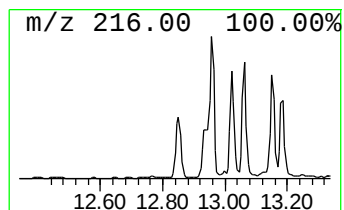
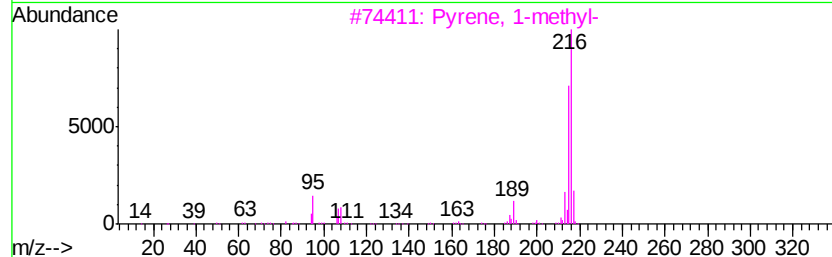
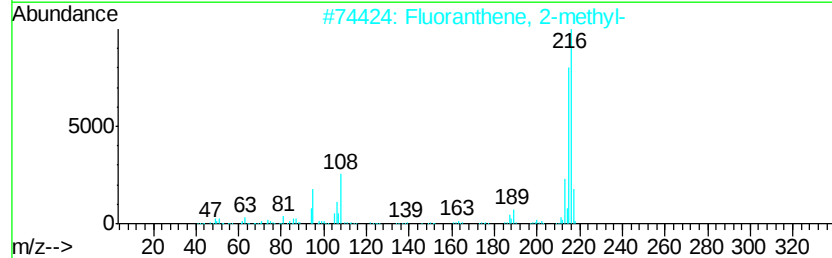
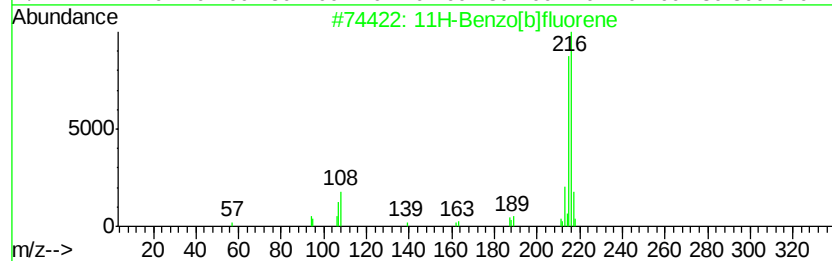
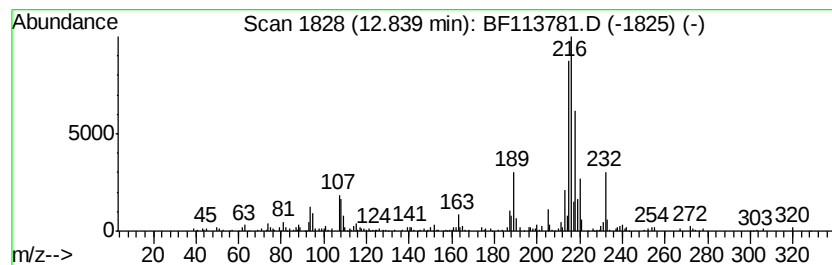
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.84	3.49 ng	309300	Chrysene-d12	13.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

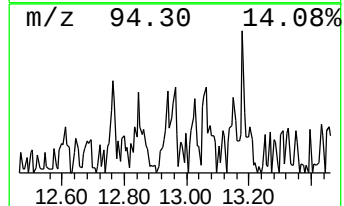
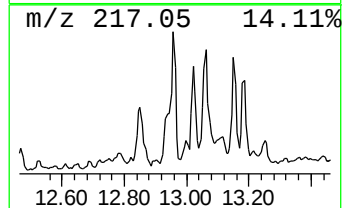
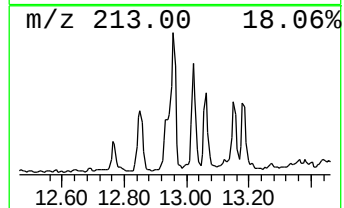
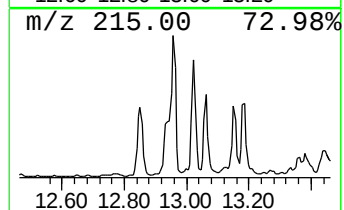
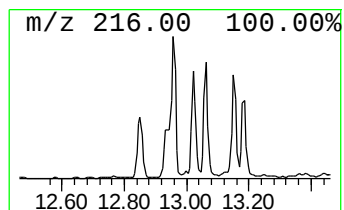
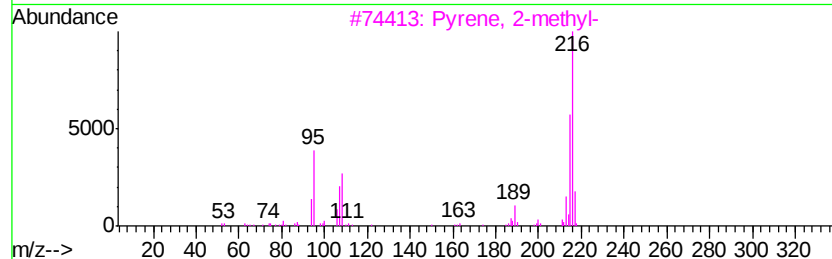
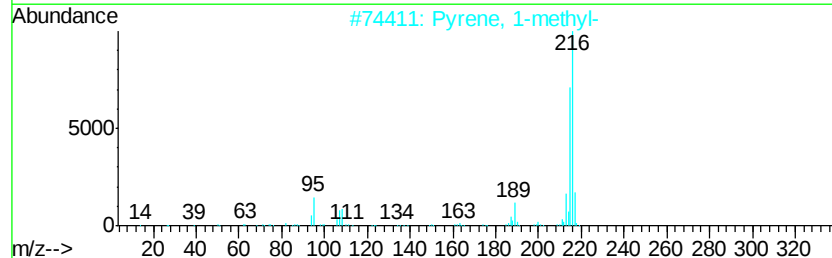
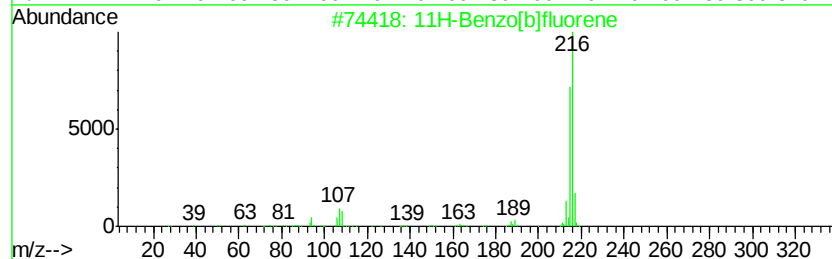
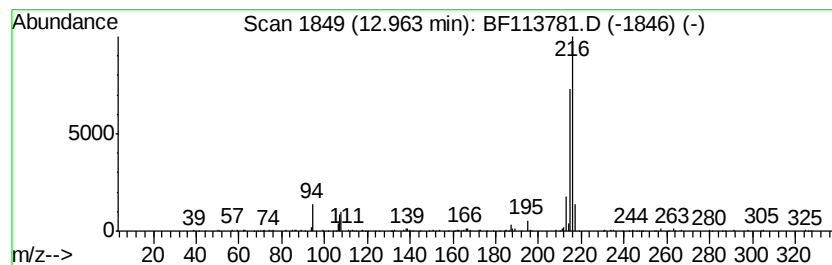
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.50 ng	310675	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

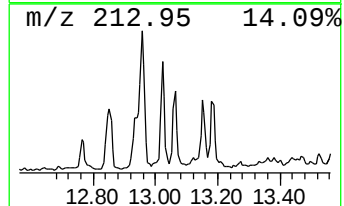
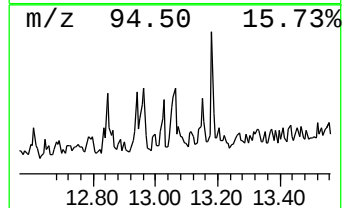
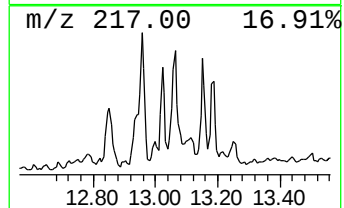
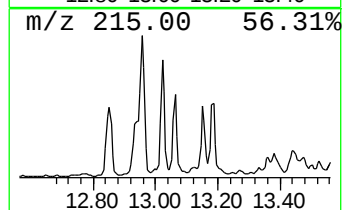
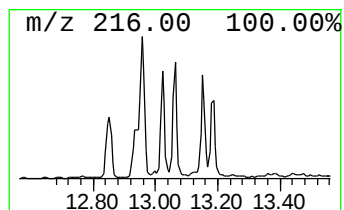
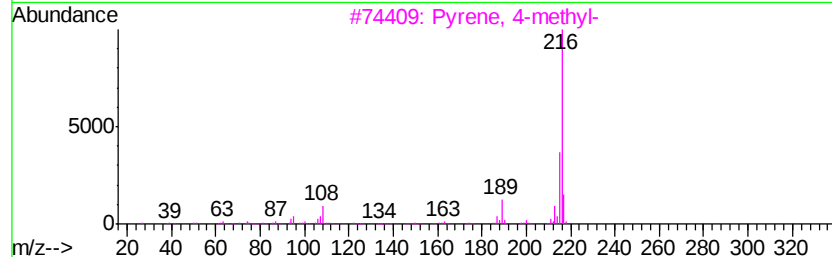
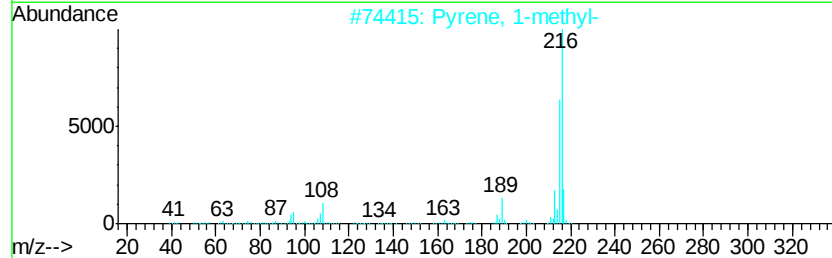
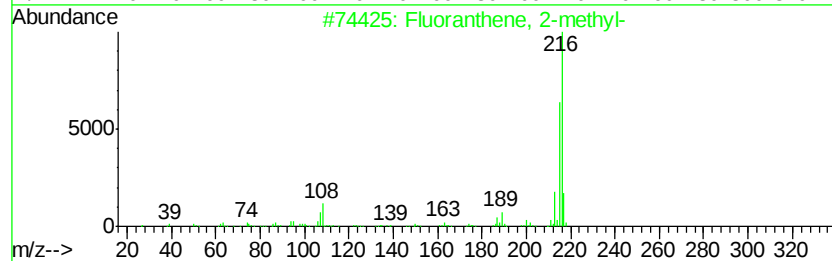
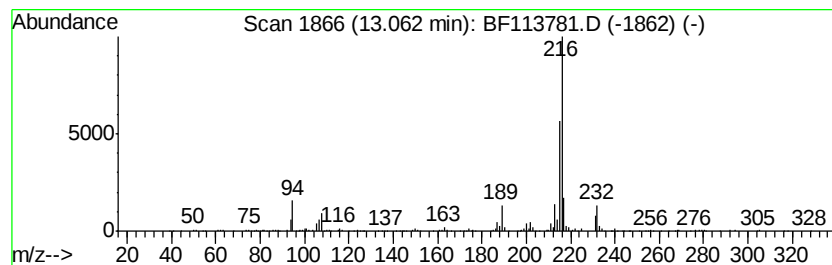
Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.06	3.37 ng	299117	Chrysene-d12	13.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113781.D
Acq On : 15 Apr 2019 23:54
Operator : JU/SJ
Sample : K2199-09 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

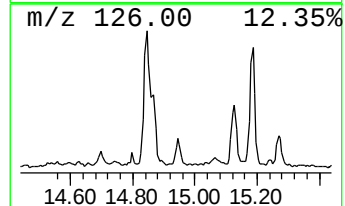
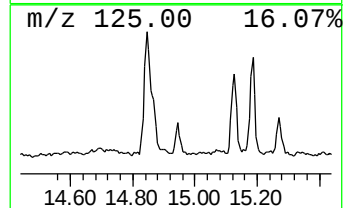
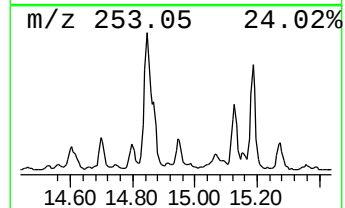
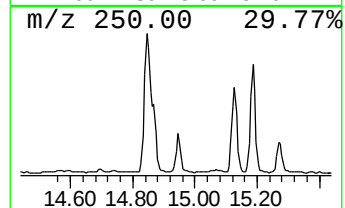
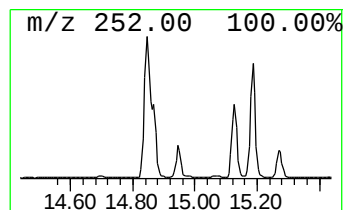
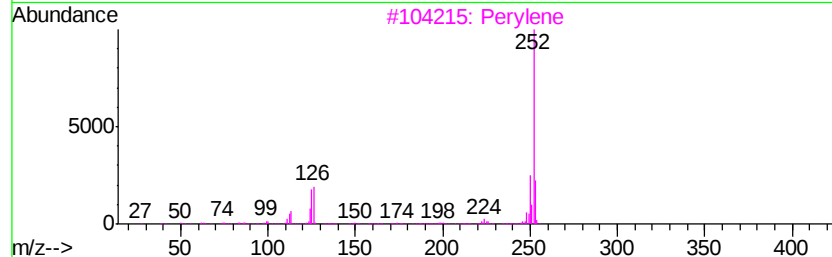
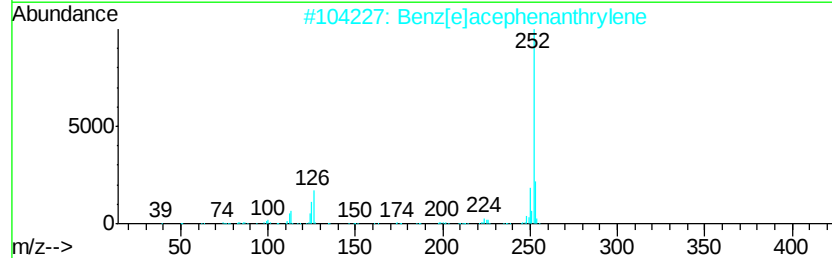
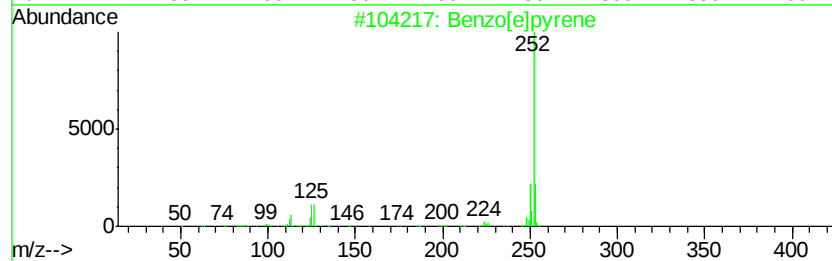
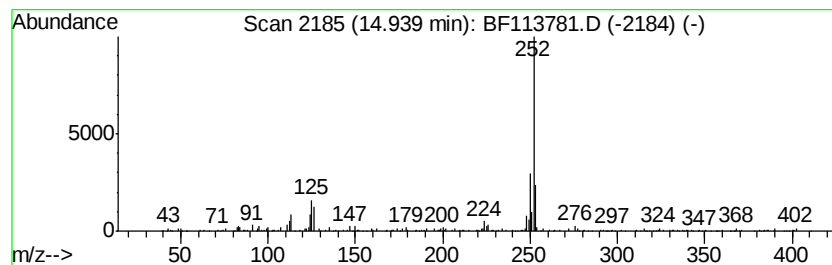
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	6.85 ng	207423	Perylene-d12	15.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3			Perylene	252	C20H12	000198-55-0	90
4			Benzo[a]pyrene	252	C20H12	000050-32-8	90
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113781.D
 Acq On : 15 Apr 2019 23:54
 Operator : JU/SJ
 Sample : K2199-09 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	33.4	ng	1090850	1	6.67	652657	20.0
Dibenzothiophene	11.09	3.0	ng	122722	4	11.19	825804	20.0
5H-Indeno[1,2-b]p...	11.43	3.7	ng	152695	4	11.19	825804	20.0
Phenanthrene, 2-m...	11.69	7.3	ng	301388	4	11.19	825804	20.0
Anthracene, 2-met...	11.72	9.6	ng	396430	4	11.19	825804	20.0
Anthracene, 1-met...	11.77	3.2	ng	130557	4	11.19	825804	20.0
4H-Cyclopenta[def...	11.80	12.3	ng	509079	4	11.19	825804	20.0
1H-Cyclopropa[1]p...	11.82	4.0	ng	164518	4	11.19	825804	20.0
Naphthalene, 2-ph...	11.98	3.6	ng	150532	4	11.19	825804	20.0
Phenanthrene, 1,7...	12.16	3.0	ng	123156	4	11.19	825804	20.0
Phenanthrene, 2,5...	12.24	8.1	ng	335513	4	11.19	825804	20.0
unknown12.27	12.27	5.2	ng	213695	4	11.19	825804	20.0
Cyclopenta(def)ph...	12.33	4.7	ng	192697	4	11.19	825804	20.0
Benzene, 1,1'-(1,...	12.50	2.9	ng	119446	4	11.19	825804	20.0
11H-Benzo[b]fluorene	12.84	3.5	ng	309300	5	13.83	1773120	20.0
Pyrene, 2-methyl-	12.96	3.5	ng	310675	5	13.83	1773120	20.0
Pyrene, 4-methyl-	13.06	3.4	ng	299117	5	13.83	1773120	20.0
Benzo[e]pyrene	14.94	6.8	ng	207423	6	15.24	605842	20.0