

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113868.D
 Acq On : 19 Apr 2019 19:31
 Operator : JU/SJ
 Sample : K2201-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

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-BF041819.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	5.516	579	583	591	rBV	690278	612640	11.65%	0.980%
2	6.516	749	753	756	rBV	765873	613899	11.67%	0.982%
3	6.669	775	779	782	rBV	753500	650132	12.36%	1.040%
4	6.904	815	819	822	rBV	1080630	937322	17.82%	1.499%
5	7.057	841	845	848	rBV	665466	511605	9.73%	0.818%
6	7.451	904	912	917	rBV	426020	342535	6.51%	0.548%
7	8.180	1032	1036	1039	rBV	1250954	1170007	22.24%	1.872%
8	8.204	1039	1040	1044	rVB	222324	121691	2.31%	0.195%
9	8.898	1154	1158	1161	rVB	196907	168644	3.21%	0.270%
10	8.992	1169	1174	1180	rBV	205511	199931	3.80%	0.320%
11	9.257	1215	1219	1222	rBV	877218	673666	12.81%	1.078%
12	9.521	1260	1264	1268	rVV	125173	167583	3.19%	0.268%
13	9.598	1272	1277	1279	rVV	240710	230838	4.39%	0.369%
14	9.621	1279	1281	1284	rVV	155210	136870	2.60%	0.219%
15	9.716	1294	1297	1302	rVB	129956	136939	2.60%	0.219%
16	9.798	1308	1311	1316	rVB	450074	374148	7.11%	0.599%
17	9.939	1329	1335	1338	rBV2	1401961	1207446	22.96%	1.931%
18	9.974	1338	1341	1343	rVB	436056	386377	7.35%	0.618%
19	10.145	1366	1370	1373	rVB	405463	382974	7.28%	0.613%
20	10.257	1385	1389	1391	rBV2	90147	92065	1.75%	0.147%
21	10.486	1425	1428	1434	rVB	914020	767732	14.60%	1.228%
22	10.551	1434	1439	1441	rBV2	93369	122968	2.34%	0.197%
23	10.645	1452	1455	1458	rVB	153276	130830	2.49%	0.209%
24	10.721	1464	1468	1473	rBV2	581189	571043	10.86%	0.913%
25	10.851	1486	1490	1495	rVB3	132169	163083	3.10%	0.261%
26	11.033	1516	1521	1524	rBV2	175467	211046	4.01%	0.338%
27	11.063	1524	1526	1530	rVV2	128615	119115	2.26%	0.191%
28	11.116	1533	1535	1539	rVV	91805	89421	1.70%	0.143%
29	11.163	1539	1543	1545	rVV3	70069	98558	1.87%	0.158%
30	11.186	1545	1547	1551	rVV2	116316	117416	2.23%	0.188%
31	11.227	1551	1554	1558	rVV	148978	162930	3.10%	0.261%
32	11.274	1559	1562	1564	rVV	77008	89404	1.70%	0.143%
33	11.321	1567	1570	1576	rVB	452358	416577	7.92%	0.666%
34	11.427	1584	1588	1590	rBV	1343756	1300517	24.73%	2.080%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.457	1590	1593	1596	rVV	4334607	3742524	71.15%	5.987%
36	11.504	1596	1601	1604	rVV	1555772	1294830	24.62%	2.071%
37	11.533	1604	1606	1610	rVB3	132225	136244	2.59%	0.218%
38	11.651	1621	1626	1629	rBV	428335	409152	7.78%	0.654%
39	11.727	1635	1639	1641	rBV	164224	136606	2.60%	0.219%
40	11.763	1641	1645	1650	rVB2	239301	224605	4.27%	0.359%
41	11.827	1650	1656	1657	rBV2	201004	202487	3.85%	0.324%
42	11.845	1657	1659	1663	rVB	147456	146187	2.78%	0.234%
43	11.933	1669	1674	1677	rBV	600888	673528	12.81%	1.077%
44	11.963	1677	1679	1684	rVB	898664	807049	15.34%	1.291%
45	12.015	1684	1688	1690	rBV	306435	302133	5.74%	0.483%
46	12.051	1690	1694	1697	rVV	1181872	1346283	25.60%	2.154%
47	12.074	1697	1698	1702	rVB	497827	278772	5.30%	0.446%
48	12.239	1723	1726	1728	rBV	456782	369857	7.03%	0.592%
49	12.262	1728	1730	1737	rVB2	283599	294126	5.59%	0.470%
50	12.398	1751	1753	1756	rVB2	124833	94598	1.80%	0.151%
51	12.427	1756	1758	1760	rBV	137743	115068	2.19%	0.184%
52	12.451	1760	1762	1765	rVB2	140921	137377	2.61%	0.220%
53	12.510	1765	1772	1774	rBV	417397	496260	9.43%	0.794%
54	12.539	1774	1777	1779	rBV2	734731	718468	13.66%	1.149%
55	12.562	1779	1781	1784	rVB2	851586	718731	13.66%	1.150%
56	12.598	1784	1787	1792	rVB2	330896	421139	8.01%	0.674%
57	12.651	1792	1796	1797	rBV3	84720	90620	1.72%	0.145%
58	12.686	1797	1802	1805	rVB	4927270	4831833	91.86%	7.729%
59	12.727	1807	1809	1811	rBV	96375	103245	1.96%	0.165%
60	12.780	1815	1818	1821	rBV	161674	140611	2.67%	0.225%
61	12.815	1821	1824	1826	rBV2	76935	90289	1.72%	0.144%
62	12.845	1826	1829	1833	rVB	216048	236794	4.50%	0.379%
63	12.933	1837	1844	1847	rBV2	4212057	5259861	100.00%	8.414%
64	12.980	1849	1852	1857	rVB2	186826	275786	5.24%	0.441%
65	13.057	1861	1865	1866	rBV	265462	248617	4.73%	0.398%
66	13.080	1866	1869	1877	rVB2	908321	1057487	20.10%	1.692%
67	13.168	1878	1884	1887	rBV2	383692	649089	12.34%	1.038%
68	13.233	1892	1895	1897	rVV2	109965	136773	2.60%	0.219%
69	13.262	1897	1900	1901	rVV2	307878	354247	6.73%	0.567%
70	13.286	1901	1904	1908	rVB	776603	799912	15.21%	1.280%
71	13.362	1913	1917	1920	rBV	638473	584012	11.10%	0.934%

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Sampling : 1 Min Area: 3 % of largest Peak
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72	13.404	1920	1924	1927	rBV2	555158	577848	10.99%	0.924%
73	13.509	1939	1942	1945	rVB	337473	292921	5.57%	0.469%
74	13.545	1945	1948	1952	rBV	352314	360592	6.86%	0.577%
75	13.751	1980	1983	1985	rVV2	138139	166570	3.17%	0.266%
76	13.862	1999	2002	2009	rVB	294018	436670	8.30%	0.699%
77	13.998	2021	2025	2029	rBV2	412673	593606	11.29%	0.950%
78	14.033	2029	2031	2034	rVV	344521	387660	7.37%	0.620%
79	14.062	2034	2036	2041	rVV2	314110	477158	9.07%	0.763%
80	14.115	2042	2045	2049	rVB	253708	288174	5.48%	0.461%
81	14.304	2071	2077	2081	rVV3	2617617	4547782	86.46%	7.275%
82	14.339	2081	2083	2090	rVB	1875534	1920027	36.50%	3.071%
83	14.439	2097	2100	2103	rVB	225814	197342	3.75%	0.316%
84	14.474	2104	2106	2109	rVV	135822	118550	2.25%	0.190%
85	14.533	2114	2116	2120	rVB2	139113	141532	2.69%	0.226%
86	14.574	2120	2123	2126	rBV2	141731	169242	3.22%	0.271%
87	14.745	2150	2152	2155	rBV	116160	154041	2.93%	0.246%
88	14.792	2157	2160	2164	rVV	384523	462599	8.79%	0.740%
89	14.833	2165	2167	2171	rVB	205882	230418	4.38%	0.369%
90	14.909	2178	2180	2183	rVB2	167674	165067	3.14%	0.264%
91	14.951	2184	2187	2189	rBV2	223707	245942	4.68%	0.393%
92	15.598	2292	2297	2300	rBV	1338723	2207400	41.97%	3.531%
93	15.627	2300	2302	2306	rVB	786614	711585	13.53%	1.138%
94	15.715	2314	2317	2320	rVB	302539	303197	5.76%	0.485%
95	15.927	2349	2353	2359	rVB	782439	1034259	19.66%	1.654%
96	15.992	2359	2364	2368	rBV	1262037	1500527	28.53%	2.400%
97	16.056	2371	2375	2378	rVV	739924	985003	18.73%	1.576%
98	16.092	2378	2381	2389	rVB2	354689	530204	10.08%	0.848%
99	17.609	2634	2639	2648	rVB2	522066	1058999	20.13%	1.694%
100	18.068	2712	2717	2734	rVB	361509	845899	16.08%	1.353%

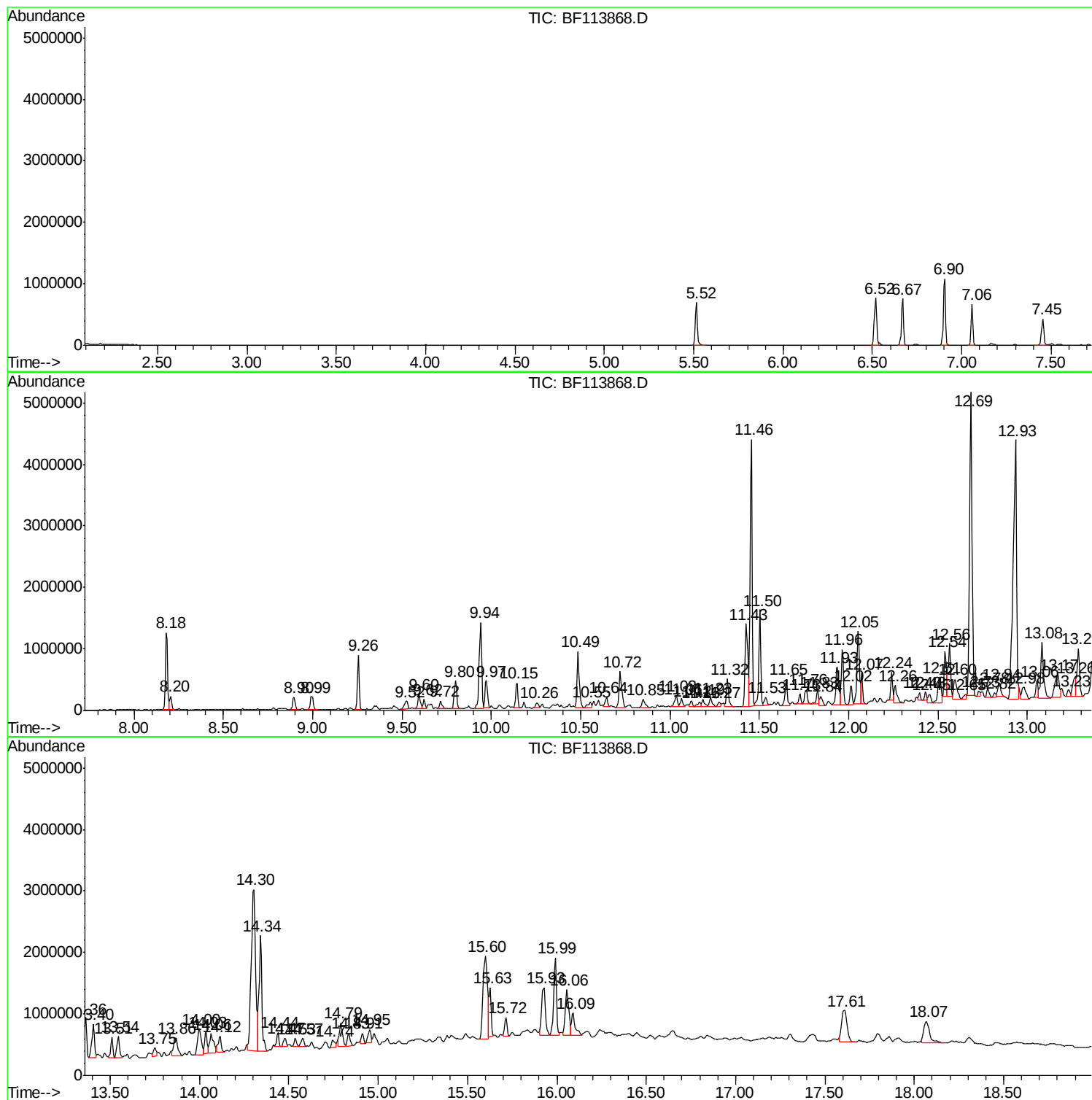
Sum of corrected areas: 62513966

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Instrument :
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ClientSampleId :
PL-01-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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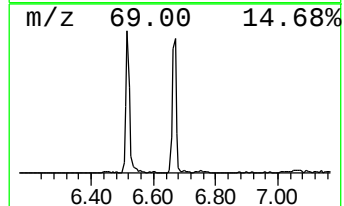
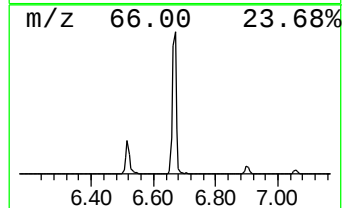
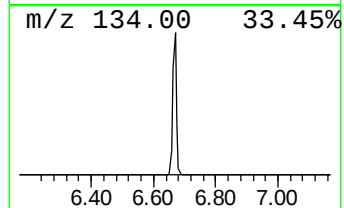
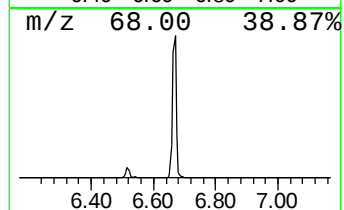
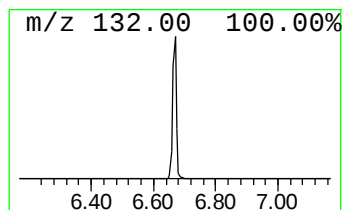
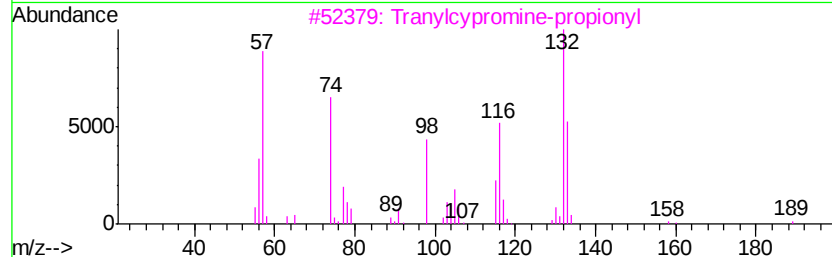
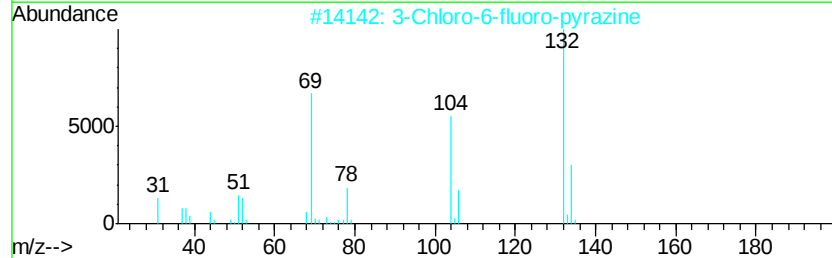
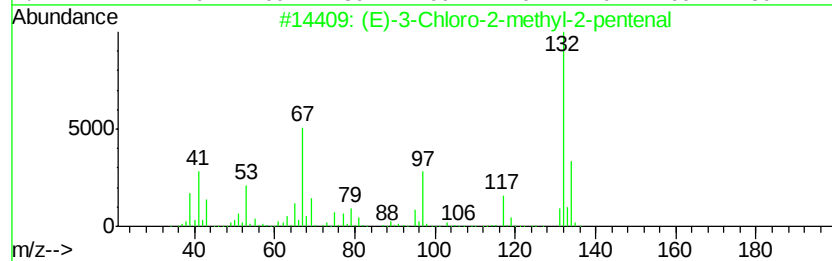
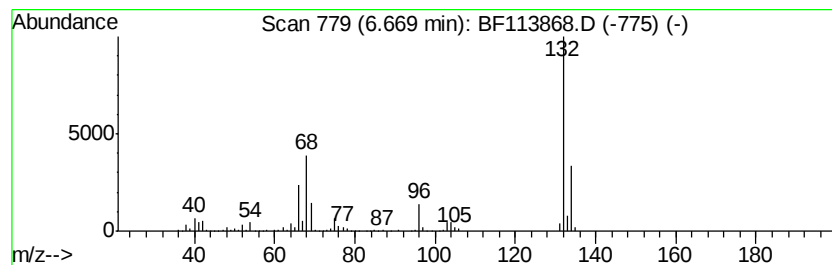
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.67 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	13.87 ng	650132	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Xenon	132	Xe	007440-63-3	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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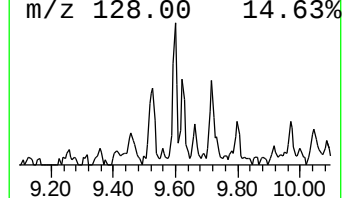
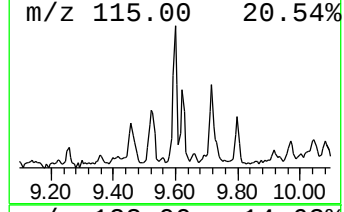
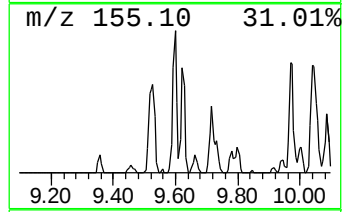
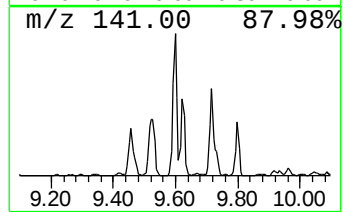
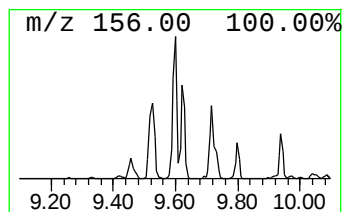
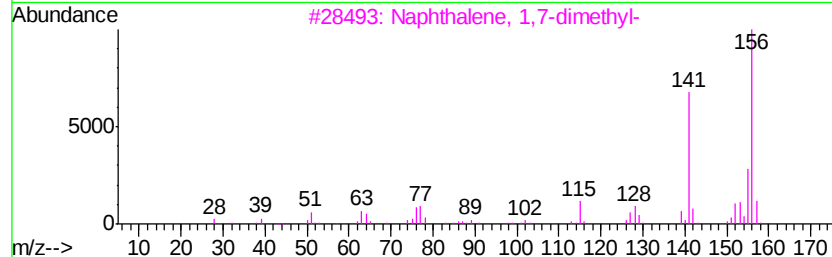
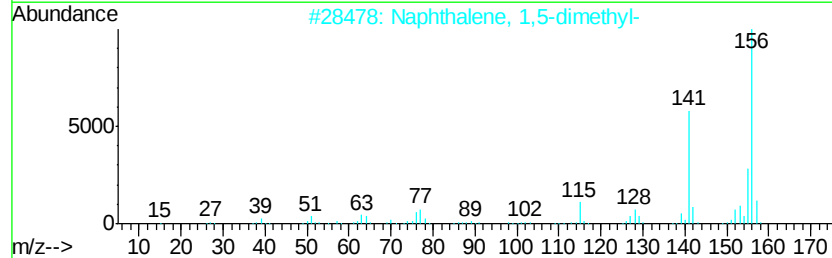
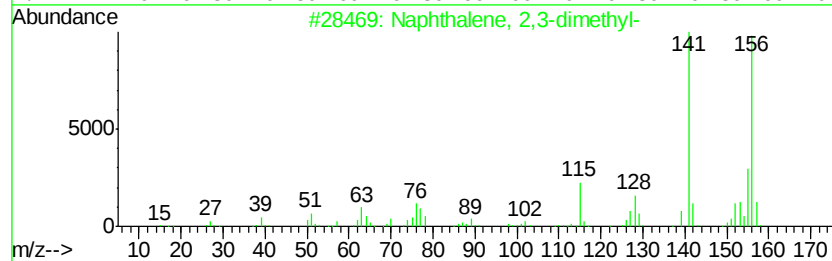
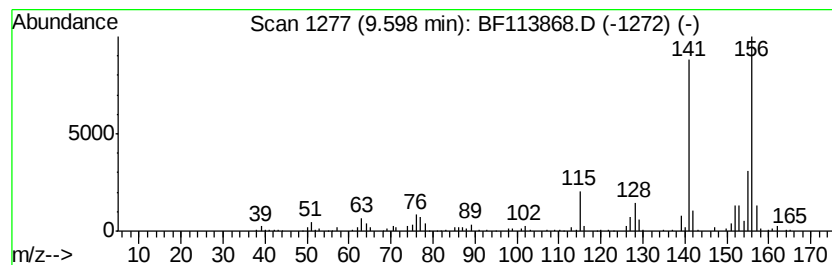
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	3.82 ng	230838	Acenaphthene-d10	9.94
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
4		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96



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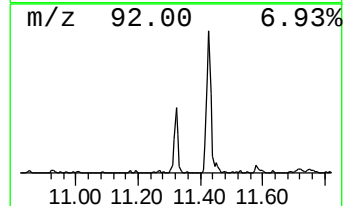
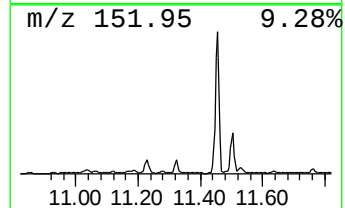
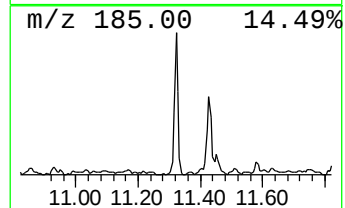
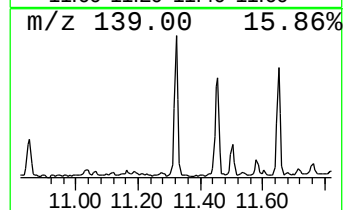
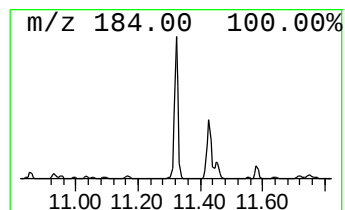
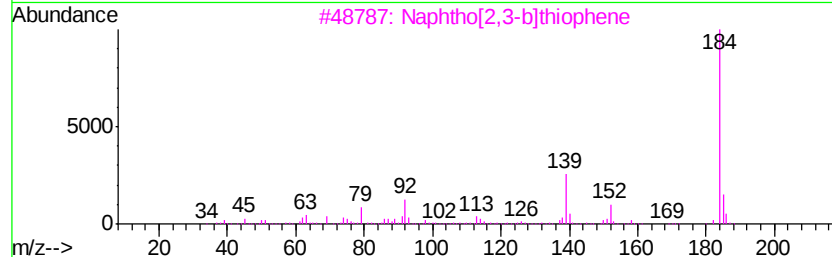
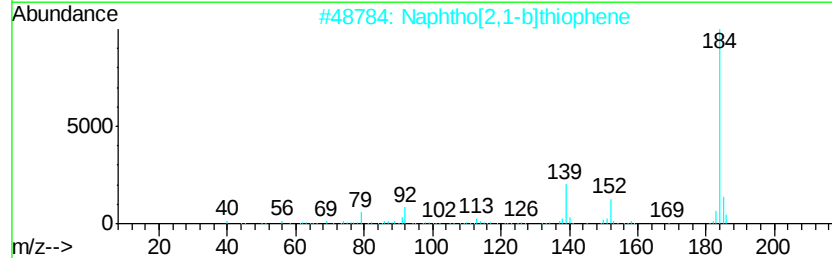
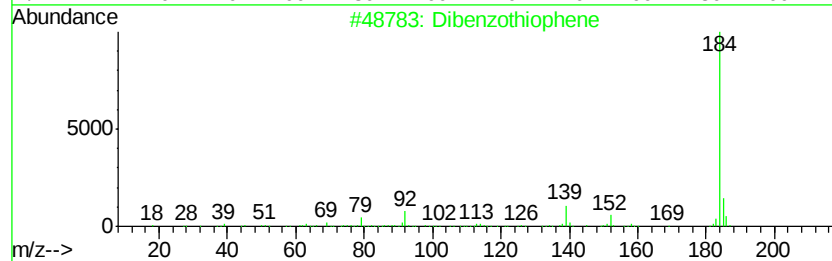
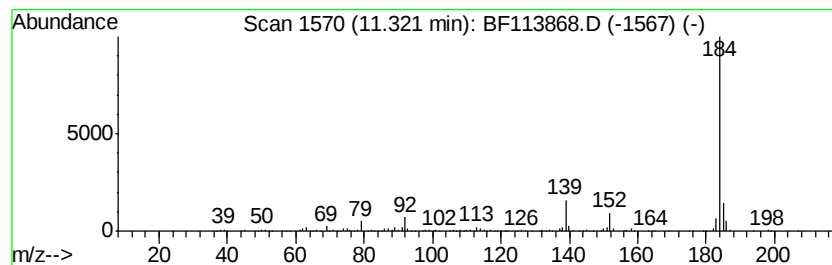
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BNA_F
ClientSampleId :
PL-01-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.32	6.41 ng	416577	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113868.D
Acq On : 19 Apr 2019 19:31
Operator : JU/SJ
Sample : K2201-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

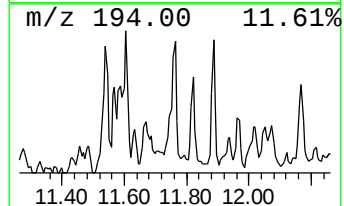
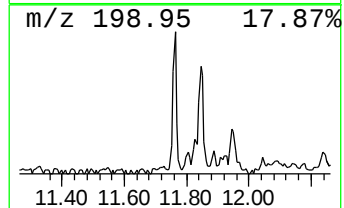
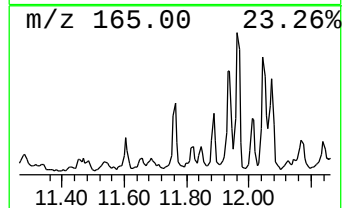
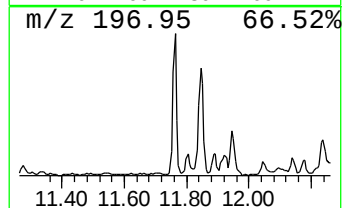
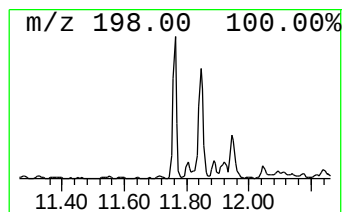
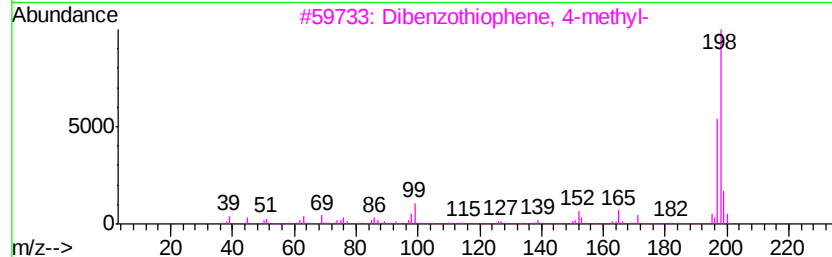
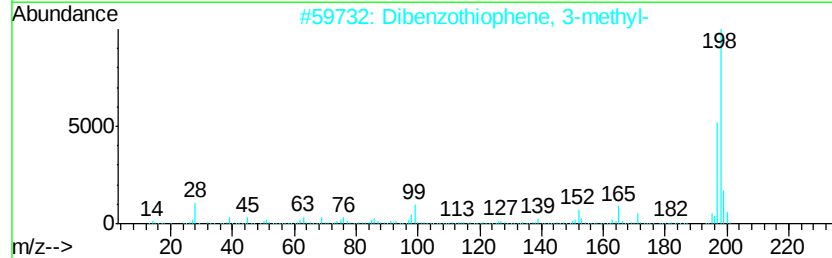
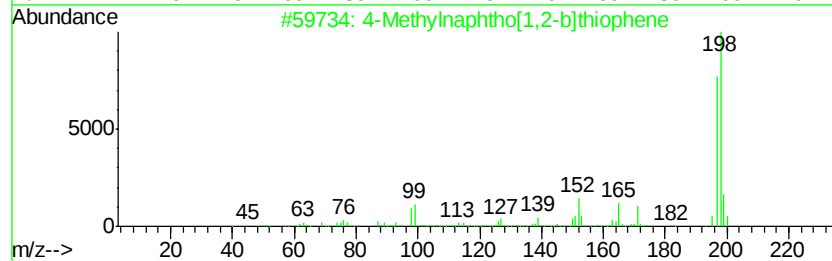
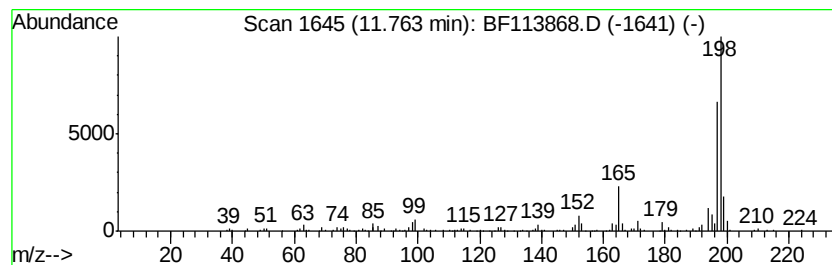
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	3.45 ng	224605	Phenanthrene-d10	11.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
4		Thioxanthene	198	C13H10S	000261-31-4	86
5		Tacrine	198	C13H14N2	000321-64-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113868.D
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Operator : JU/SJ
Sample : K2201-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

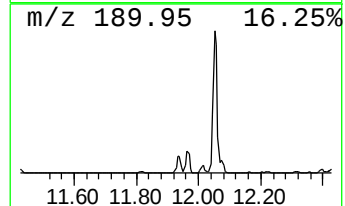
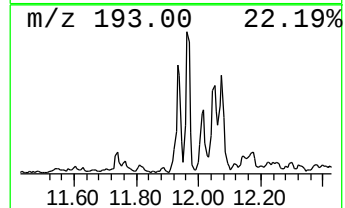
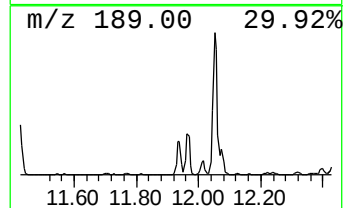
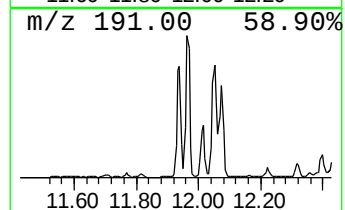
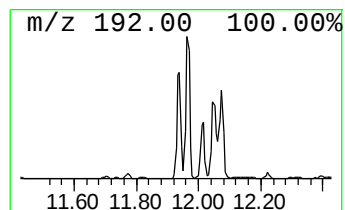
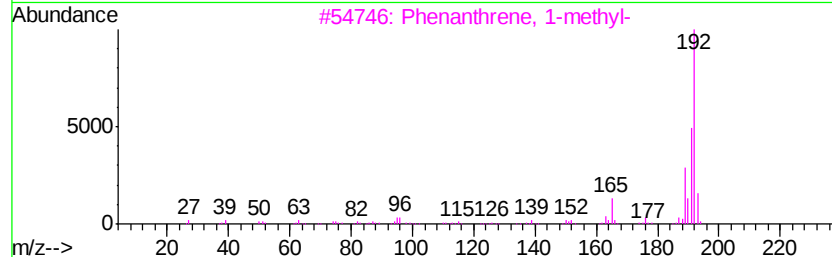
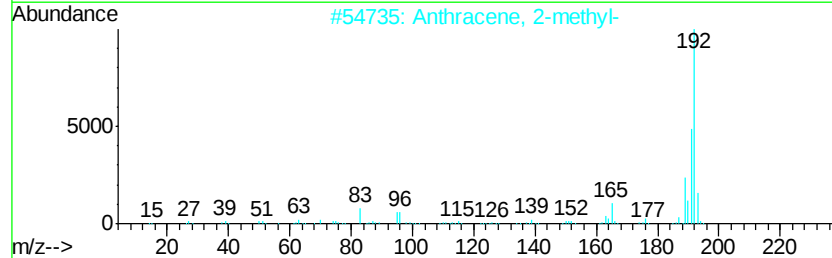
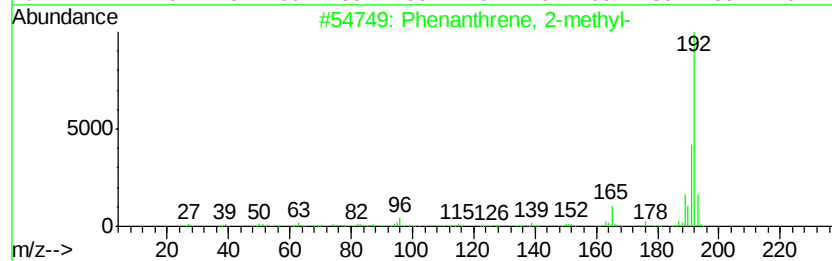
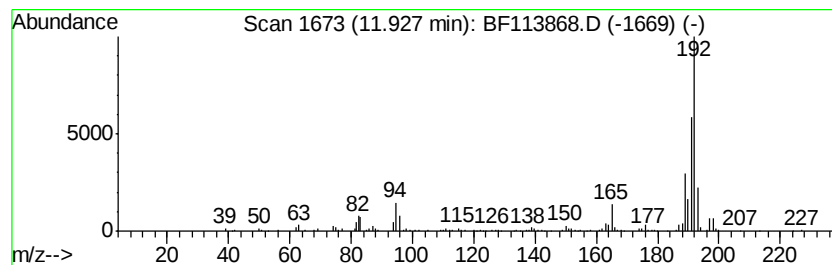
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ClientSampleId :
PL-01-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	10.36 ng	673528	Phenanthrene-d10	11.43	
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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113868.D
Acq On : 19 Apr 2019 19:31
Operator : JU/SJ
Sample : K2201-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-041819-B

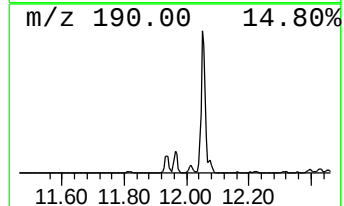
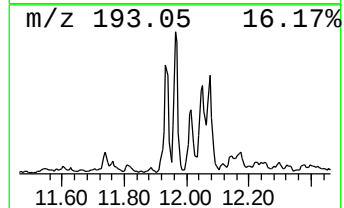
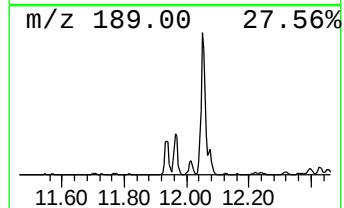
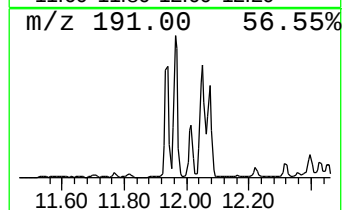
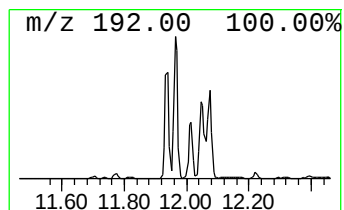
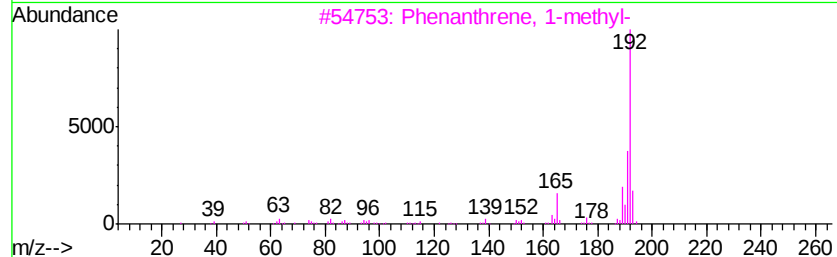
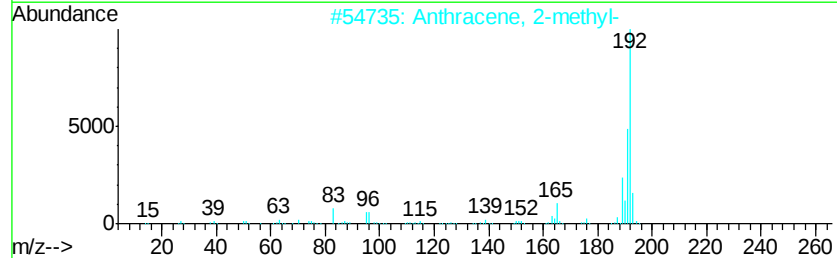
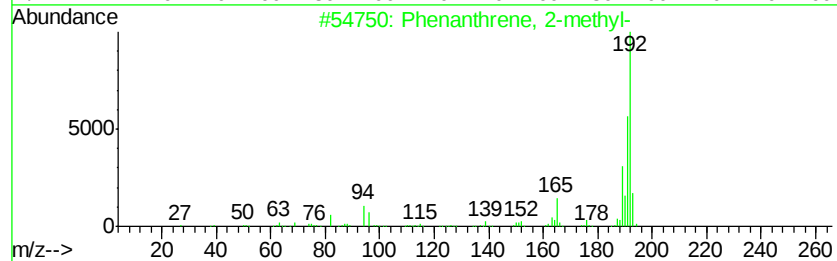
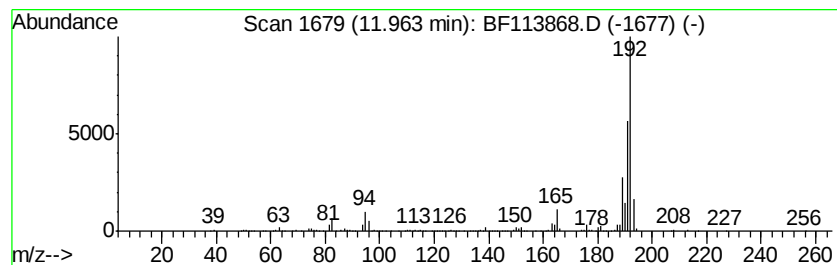
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	12.41 ng	807049	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113868.D
Acq On : 19 Apr 2019 19:31
Operator : JU/SJ
Sample : K2201-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

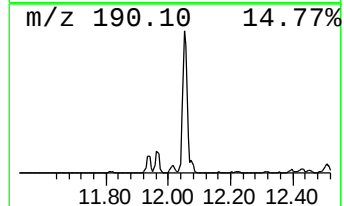
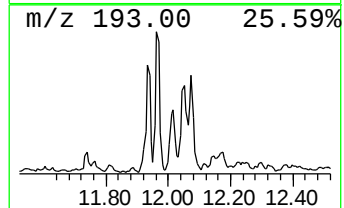
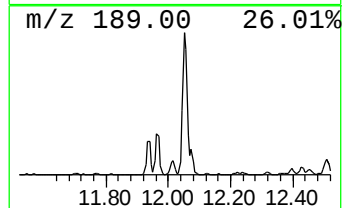
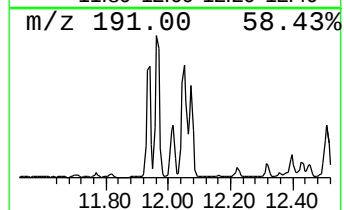
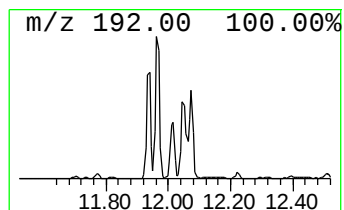
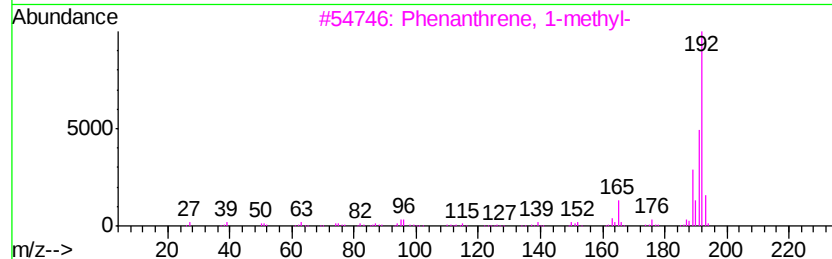
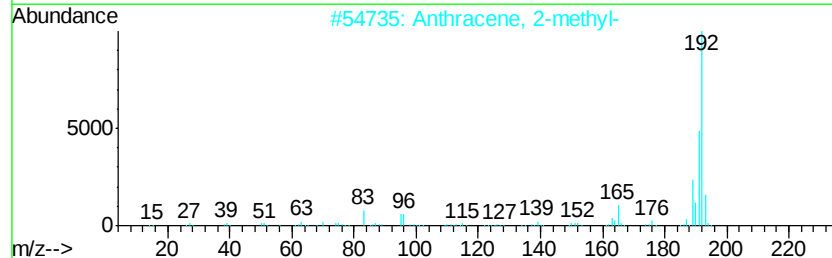
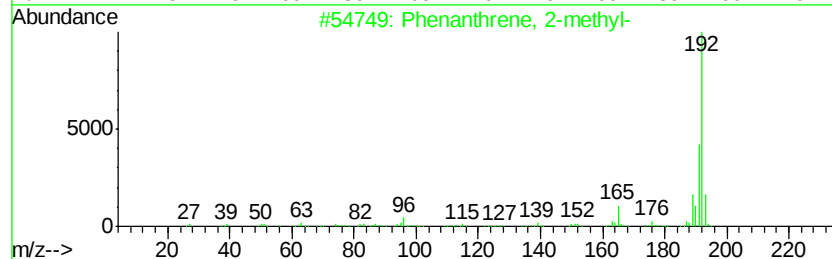
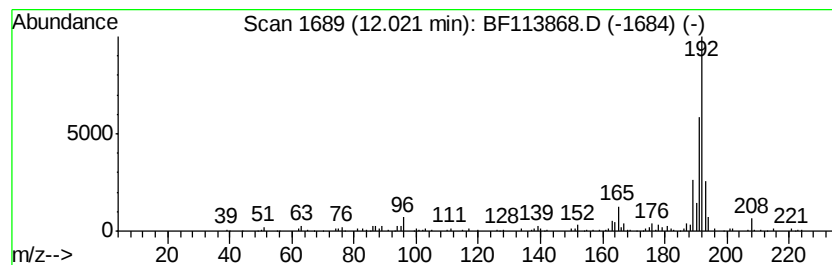
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.65 ng	302133	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113868.D
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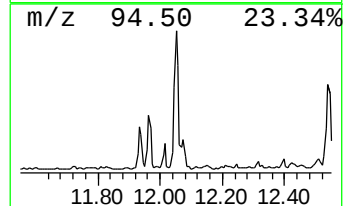
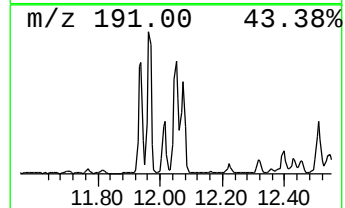
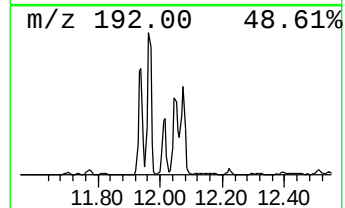
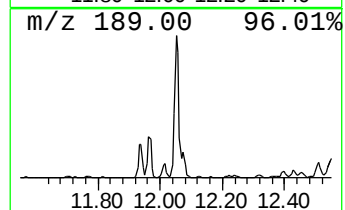
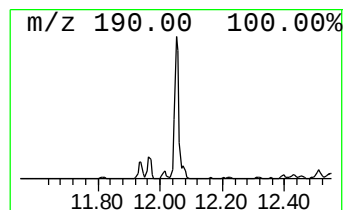
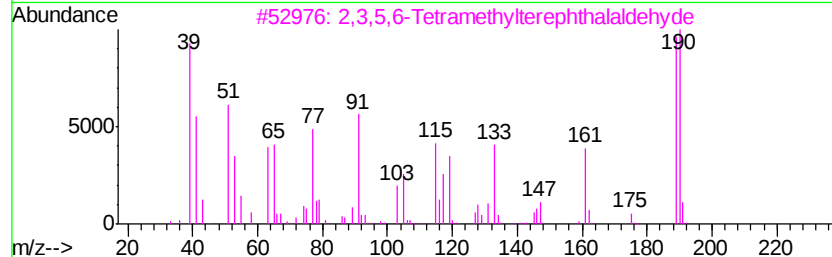
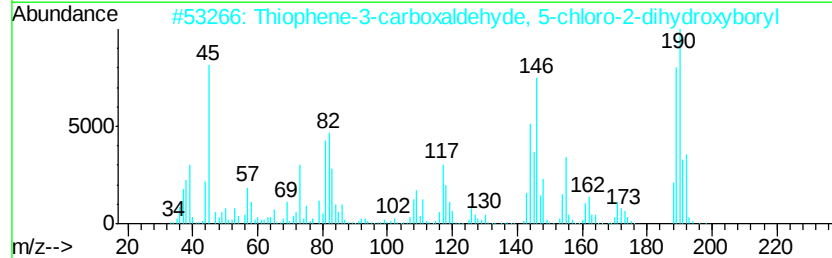
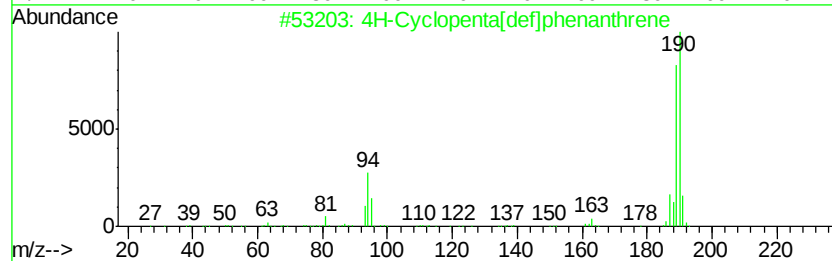
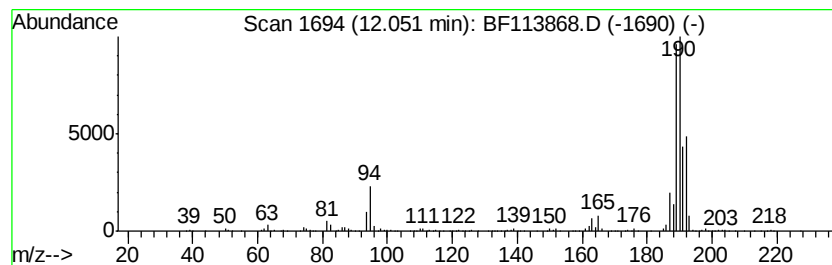
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.05	20.70 ng	1346280	Phenanthrene-d10	11.43		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		Methyl diselenide	190	C2H6Se2	007101-31-7	43
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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Sample : K2201-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.07	4.29 ng	278772	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81

