

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104367.D
 Acq On : 9 Apr 2018 13:05
 Operator : JU/SJ
 Sample : J2184-05 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-1(1-3)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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	5.398	559	563	566	rBV	468394	396321	6.98%	0.586%
2	6.416	732	736	741	rVB	539131	444130	7.82%	0.656%
3	6.563	757	761	764	rBV	549834	424179	7.47%	0.627%
4	6.804	798	802	805	rVB	970336	798799	14.07%	1.180%
5	6.957	824	828	831	rBV	420246	319485	5.63%	0.472%
6	7.357	893	896	900	rVB	265436	233078	4.10%	0.344%
7	8.086	1016	1020	1022	rBV	1363552	1200337	21.14%	1.774%
8	8.110	1022	1024	1027	rVB	1825555	1301015	22.91%	1.922%
9	8.798	1137	1141	1144	rBV	710097	527091	9.28%	0.779%
10	8.898	1153	1158	1161	rBV	474839	359616	6.33%	0.531%
11	9.157	1199	1202	1206	rVB	553553	474416	8.35%	0.701%
12	9.263	1217	1220	1223	rVB	190185	150493	2.65%	0.222%
13	9.427	1241	1248	1251	rBV	153215	204300	3.60%	0.302%
14	9.498	1255	1260	1262	rBV	269298	246136	4.33%	0.364%
15	9.616	1278	1280	1288	rVB	134127	133921	2.36%	0.198%
16	9.698	1291	1294	1298	rVB	328092	280891	4.95%	0.415%
17	9.845	1312	1319	1321	rBV	1233344	1268630	22.34%	1.874%
18	9.874	1321	1324	1327	rVV	1431576	1085013	19.11%	1.603%
19	10.045	1349	1353	1357	rVB	1022611	810083	14.27%	1.197%
20	10.392	1408	1412	1415	rVV	1655279	1390429	24.49%	2.054%
21	10.474	1424	1426	1428	rVV	209473	163312	2.88%	0.241%
22	10.545	1436	1438	1442	rVB	322967	237873	4.19%	0.351%
23	10.627	1447	1452	1456	rVV	641411	652010	11.48%	0.963%
24	10.939	1498	1505	1507	rBV3	251594	350885	6.18%	0.518%
25	11.063	1521	1526	1528	rVV3	111257	146916	2.59%	0.217%
26	11.133	1535	1538	1542	rVB	230975	211915	3.73%	0.313%
27	11.174	1542	1545	1551	rBV3	131135	227041	4.00%	0.335%
28	11.227	1551	1554	1559	rVB	505612	457655	8.06%	0.676%
29	11.333	1568	1572	1573	rBV	1036003	1025729	18.06%	1.516%
30	11.368	1573	1578	1580	rVV	4597051	5678240	100.00%	8.390%
31	11.410	1580	1585	1588	rVV	2192567	1897915	33.42%	2.804%
32	11.439	1588	1590	1593	rVB	234462	193624	3.41%	0.286%
33	11.539	1604	1607	1608	rBV	206716	177715	3.13%	0.263%
34	11.563	1608	1611	1613	rVB	1070963	874933	15.41%	1.293%

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35	11.833	1651	1657	1659	rBV	723218	698270	12.30%	1.032%
36	11.863	1659	1662	1665	rVB	1008122	884028	15.57%	1.306%
37	11.910	1665	1670	1672	rBV	380039	371075	6.54%	0.548%
38	11.945	1672	1676	1678	rBV	1296453	1270814	22.38%	1.878%
39	11.963	1678	1679	1683	rVB	421415	320173	5.64%	0.473%
40	12.127	1704	1707	1709	rBV	556141	449079	7.91%	0.664%
41	12.151	1709	1711	1714	rVB	431159	330665	5.82%	0.489%
42	12.274	1727	1732	1735	rBV2	138829	138648	2.44%	0.205%
43	12.380	1746	1750	1753	rBV	259370	306634	5.40%	0.453%
44	12.421	1753	1757	1759	rVV	171406	184628	3.25%	0.273%
45	12.468	1762	1765	1770	rVB3	163355	218308	3.84%	0.323%
46	12.557	1774	1780	1783	rBV	4274921	4803811	84.60%	7.098%
47	12.604	1783	1788	1791	rBV2	132917	186853	3.29%	0.276%
48	12.698	1796	1804	1808	rBV3	207014	404963	7.13%	0.598%
49	12.780	1811	1818	1823	rBV3	3334829	4932612	86.87%	7.288%
50	12.821	1823	1825	1830	rVB2	263294	266994	4.70%	0.394%
51	12.892	1830	1837	1839	rBV	359589	364014	6.41%	0.538%
52	12.915	1839	1841	1847	rVB2	499369	708688	12.48%	1.047%
53	12.992	1847	1854	1857	rBV2	287011	520298	9.16%	0.769%
54	13.074	1861	1868	1870	rBV4	247359	366829	6.46%	0.542%
55	13.104	1870	1873	1875	rVB	885771	783594	13.80%	1.158%
56	13.168	1880	1884	1886	rBV2	913456	719434	12.67%	1.063%
57	13.204	1886	1890	1893	rVV3	419834	439008	7.73%	0.649%
58	13.233	1893	1895	1897	rVB	183959	143748	2.53%	0.212%
59	13.298	1902	1906	1908	rVB	154075	132994	2.34%	0.197%
60	13.327	1908	1911	1915	rBV2	200337	206545	3.64%	0.305%
61	13.504	1934	1941	1943	rBV5	163429	315835	5.56%	0.467%
62	13.580	1951	1954	1956	rBV3	123521	135375	2.38%	0.200%
63	13.604	1956	1958	1963	rVB	173771	217810	3.84%	0.322%
64	13.721	1973	1978	1980	rBV2	345951	399068	7.03%	0.590%
65	13.751	1980	1983	1985	rVV	376632	393555	6.93%	0.581%
66	13.768	1985	1986	1991	rVV2	292574	418557	7.37%	0.618%
67	13.815	1991	1994	1998	rVV2	244632	246263	4.34%	0.364%
68	13.886	2001	2006	2013	rBV2	116636	216048	3.80%	0.319%
69	13.968	2013	2020	2023	rBV2	2311650	3284380	57.84%	4.853%
70	14.004	2023	2026	2031	rVB	1970057	1872265	32.97%	2.766%
71	14.080	2036	2039	2042	rVV	513952	467405	8.23%	0.691%

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72	14.115	2042	2045	2047	rVV	114880	152539	2.69%	0.225%
73	14.162	2050	2053	2055	rVV	255477	246895	4.35%	0.365%
74	14.198	2055	2059	2062	rVV2	277438	383359	6.75%	0.566%
75	14.304	2072	2077	2079	rBV2	132602	190920	3.36%	0.282%
76	14.362	2082	2087	2090	rVV	387573	469783	8.27%	0.694%
77	14.398	2090	2093	2096	rVV	206856	216969	3.82%	0.321%
78	14.456	2100	2103	2106	rVV2	274620	293224	5.16%	0.433%
79	14.486	2106	2108	2110	rVV	225410	214363	3.78%	0.317%
80	14.509	2110	2112	2116	rVV4	309589	277715	4.89%	0.410%
81	14.562	2119	2121	2126	rVB3	138327	150043	2.64%	0.222%
82	14.668	2135	2139	2142	rBV3	173600	228410	4.02%	0.337%
83	14.856	2164	2171	2174	rBV3	139661	222162	3.91%	0.328%
84	15.021	2192	2199	2201	rBV	1504469	2457462	43.28%	3.631%
85	15.121	2212	2216	2220	rVB	369275	392673	6.92%	0.580%
86	15.203	2227	2230	2232	rBV3	103880	141702	2.50%	0.209%
87	15.315	2244	2249	2255	rVB	933722	1329969	23.42%	1.965%
88	15.380	2255	2260	2265	rBV	1497836	1839416	32.39%	2.718%
89	15.439	2265	2270	2272	rBV	694194	871106	15.34%	1.287%
90	15.468	2272	2275	2281	rVB2	506331	659768	11.62%	0.975%
91	15.609	2294	2299	2301	rBV4	72879	140158	2.47%	0.207%
92	15.986	2359	2363	2371	rVB3	130143	224724	3.96%	0.332%
93	16.698	2476	2484	2485	rBV4	125779	239211	4.21%	0.353%
94	16.880	2508	2515	2523	rVB2	695440	1425883	25.11%	2.107%
95	16.956	2523	2528	2537	rVB2	64433	147337	2.59%	0.218%
96	17.050	2537	2544	2549	rBV	162385	334042	5.88%	0.494%
97	17.109	2549	2554	2559	rBV2	121021	228824	4.03%	0.338%
98	17.315	2582	2589	2601	rBV	480638	1067768	18.80%	1.578%
99	17.456	2607	2613	2621	rVB7	53251	178564	3.14%	0.264%
100	17.544	2622	2628	2643	rVB2	188571	492371	8.67%	0.727%

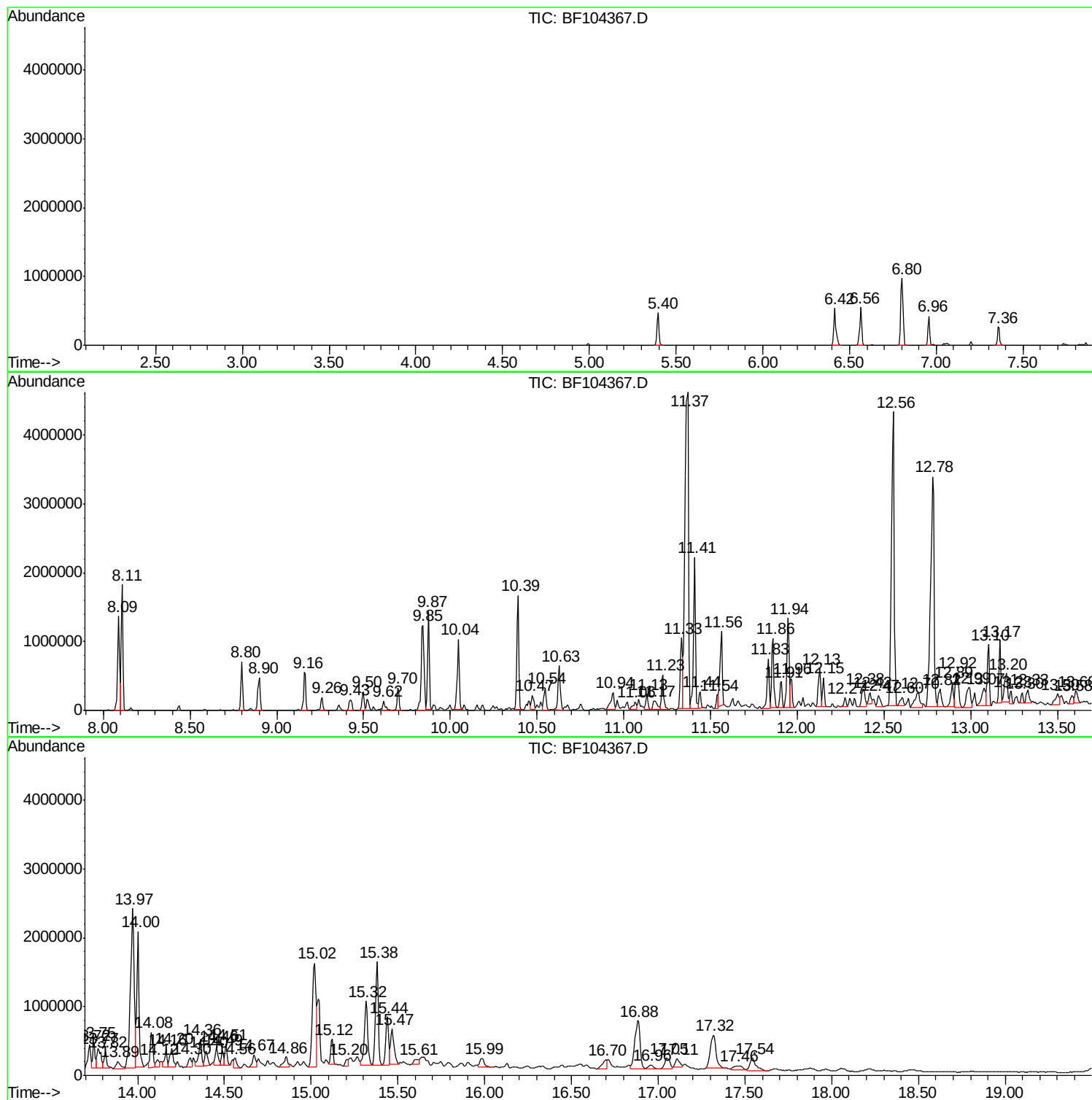
Sum of corrected areas: 67680754

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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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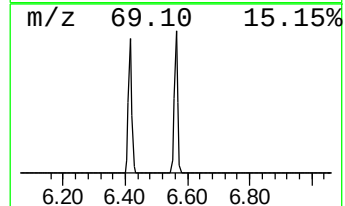
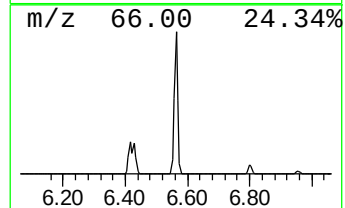
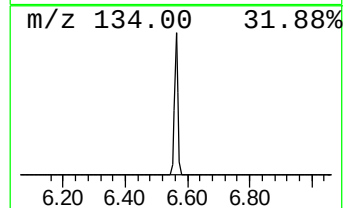
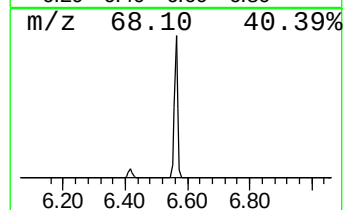
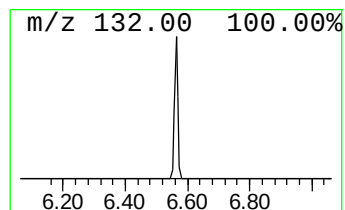
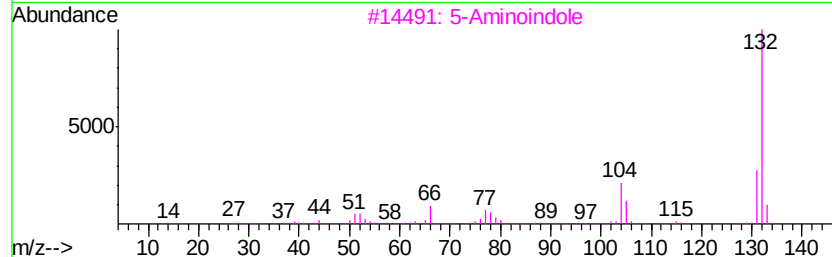
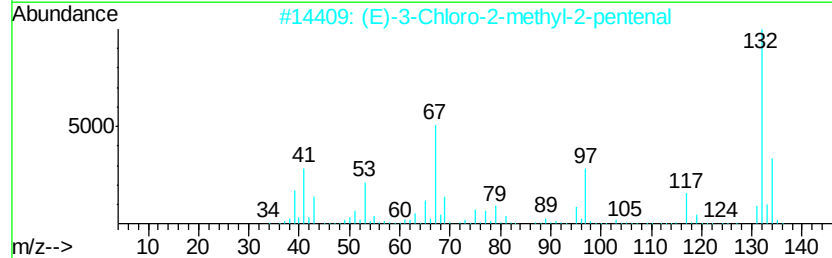
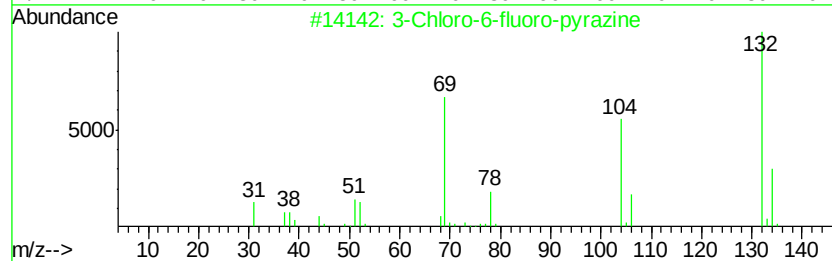
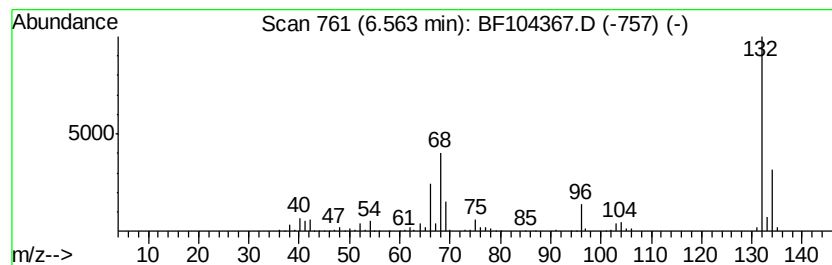
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	10.62 ng	424179	1,4-Dichlorobenzene-d4	6.80

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	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Amphetaminil	250	C17H18N2	017590-01-1	10
5		Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	10



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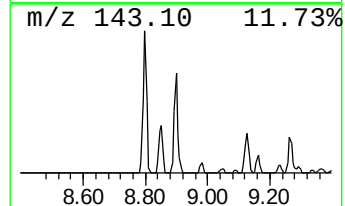
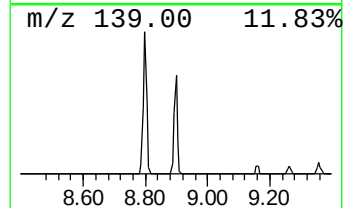
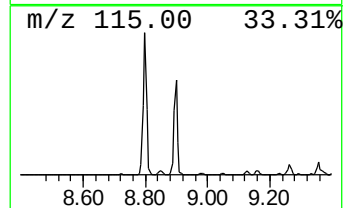
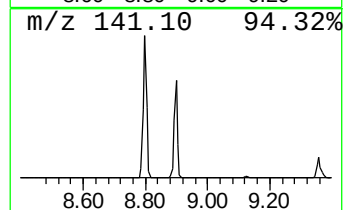
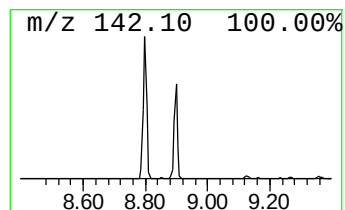
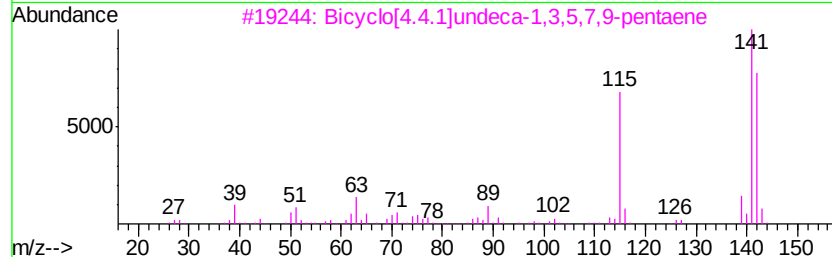
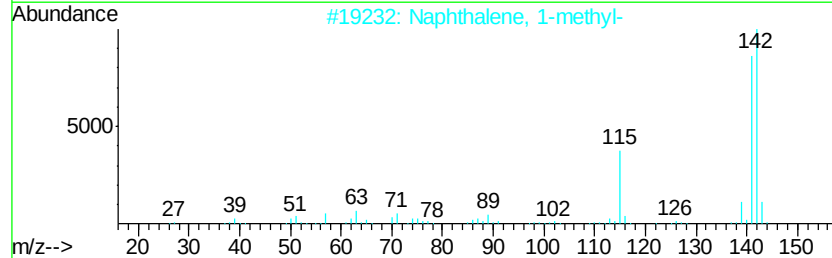
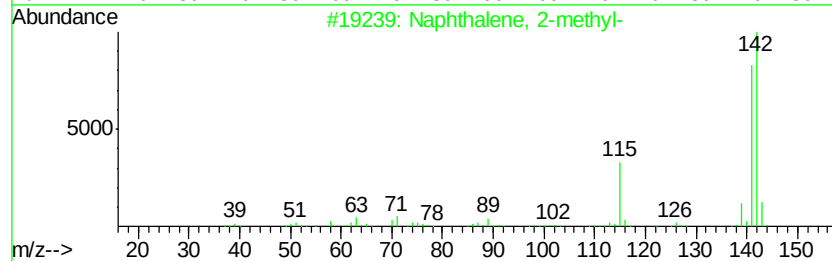
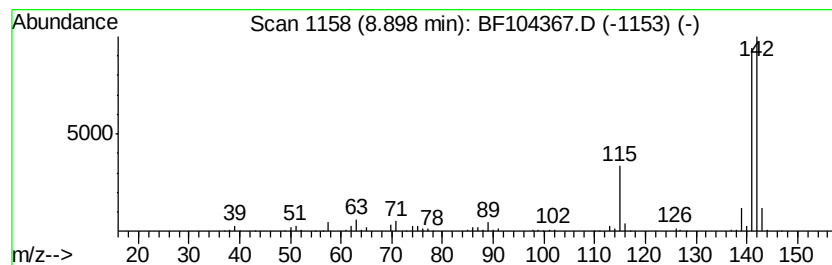
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.90	5.99 ng	359616	Naphthalene-d8	8.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



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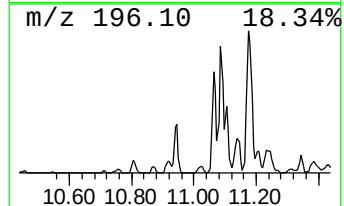
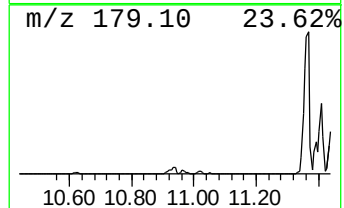
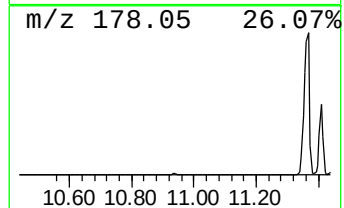
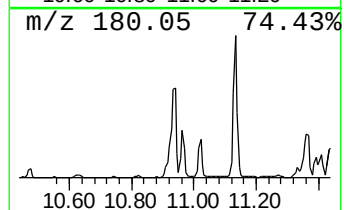
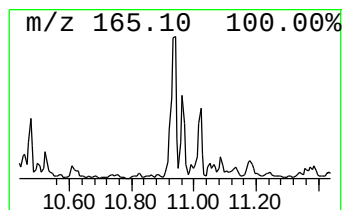
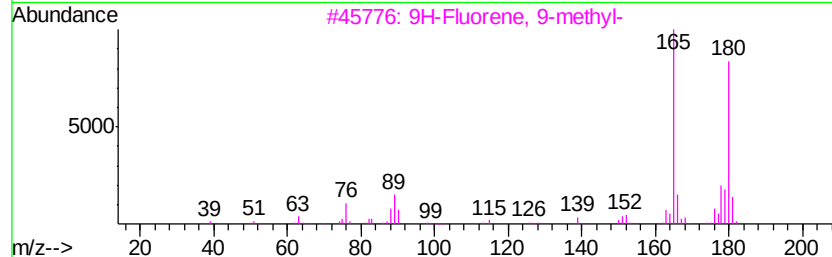
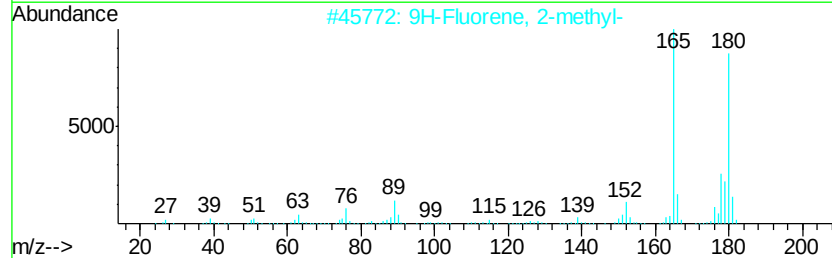
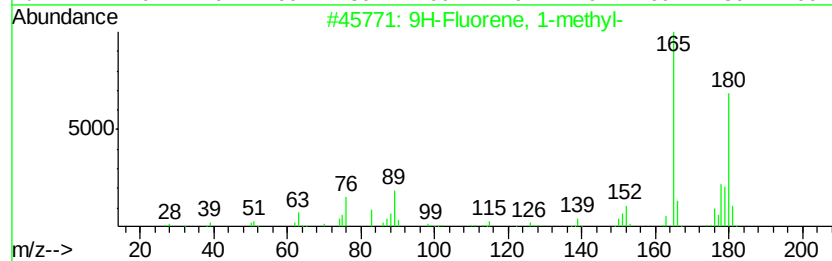
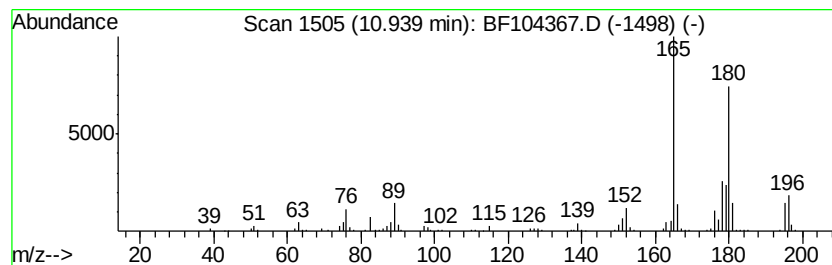
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Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	6.84 ng	350885	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

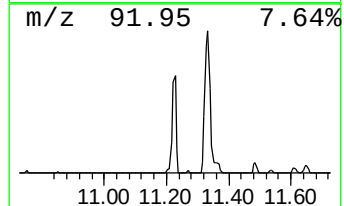
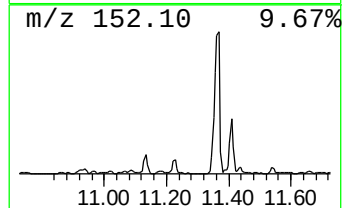
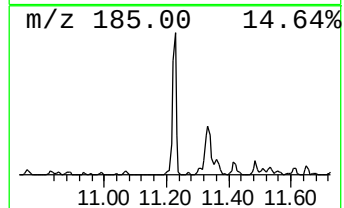
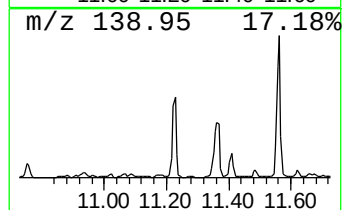
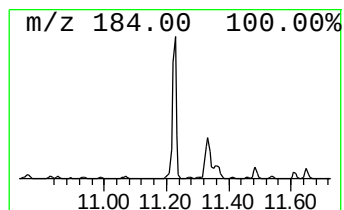
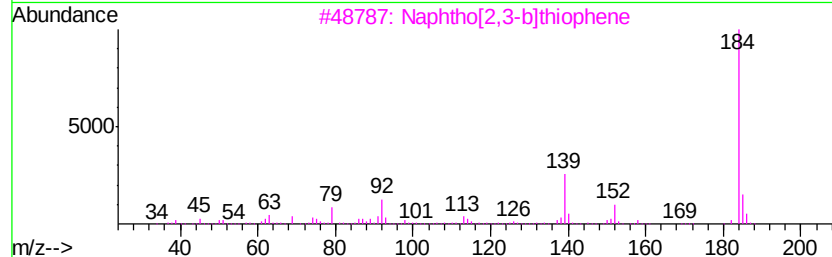
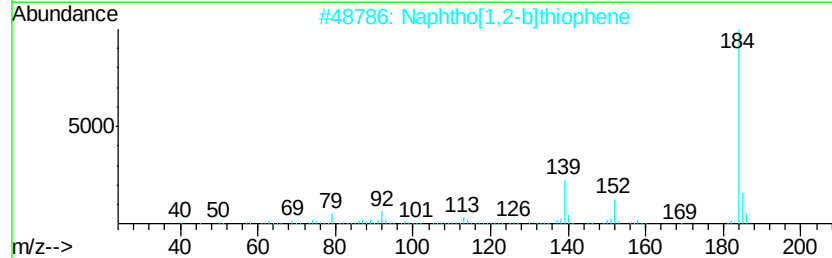
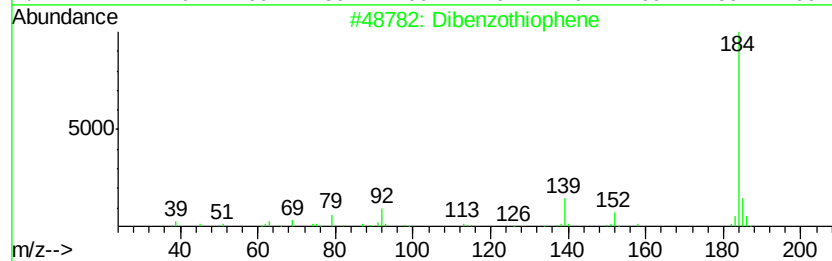
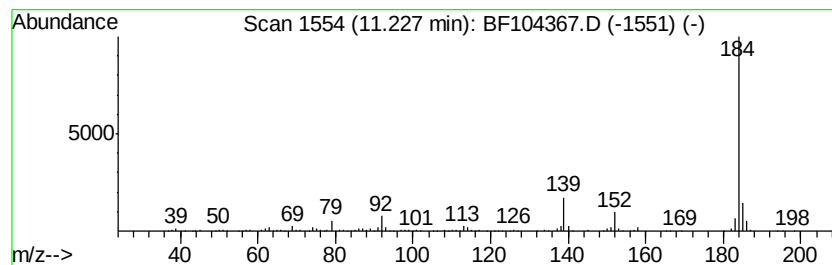
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ClientSampleId :
SB-3-1(1-3)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.23	8.92 ng	457655	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040918\
Data File : BF104367.D
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Operator : JU/SJ
Sample : J2184-05 10X
Misc :
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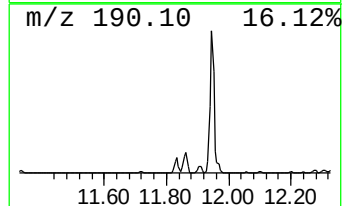
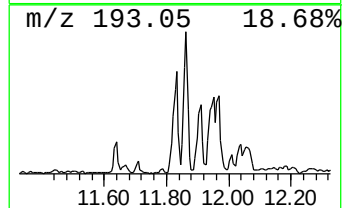
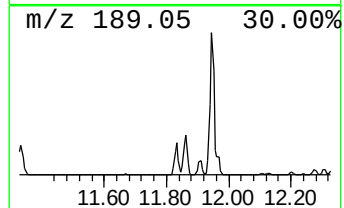
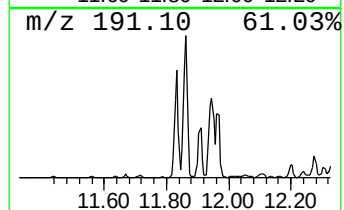
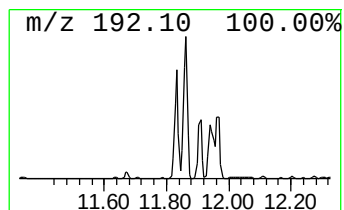
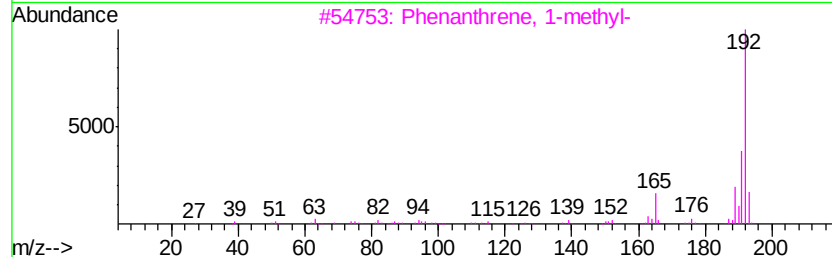
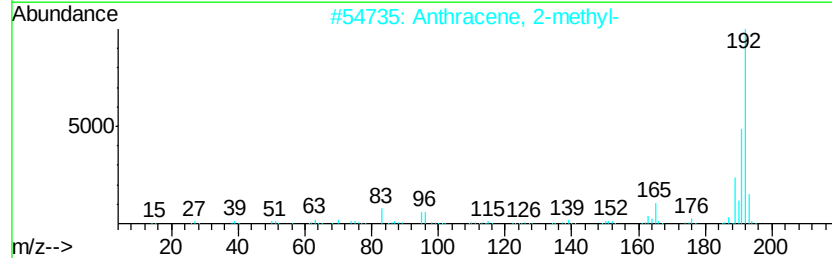
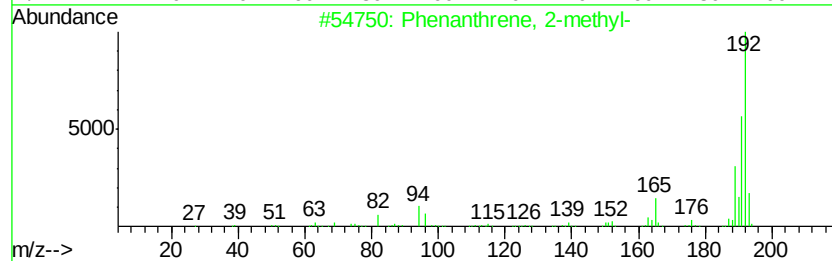
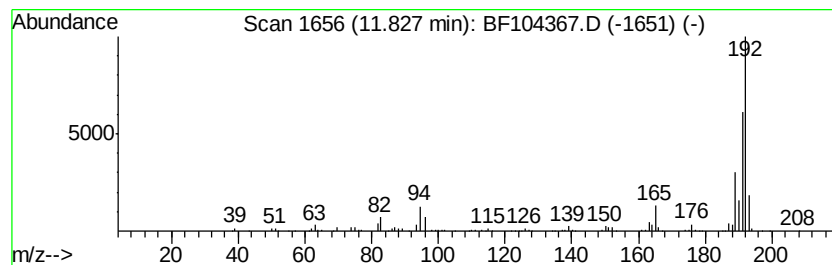
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	13.62 ng	698270	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

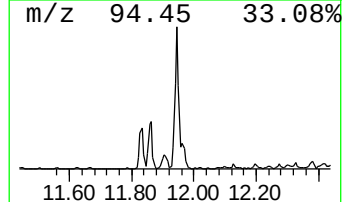
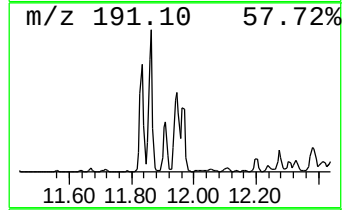
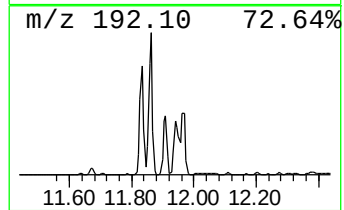
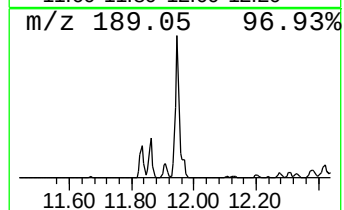
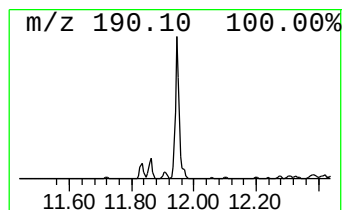
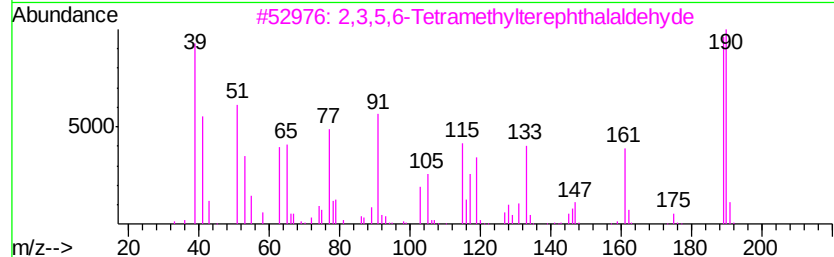
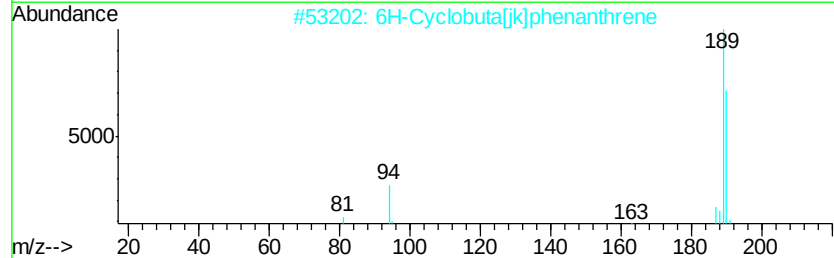
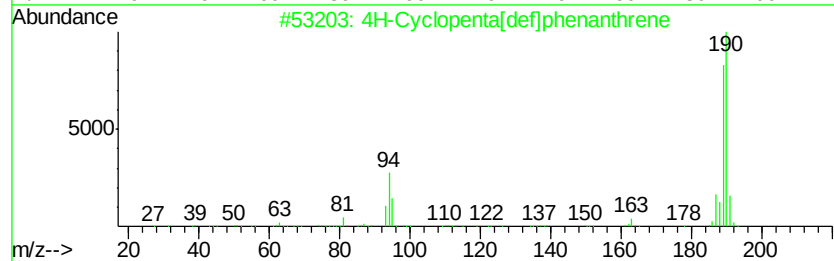
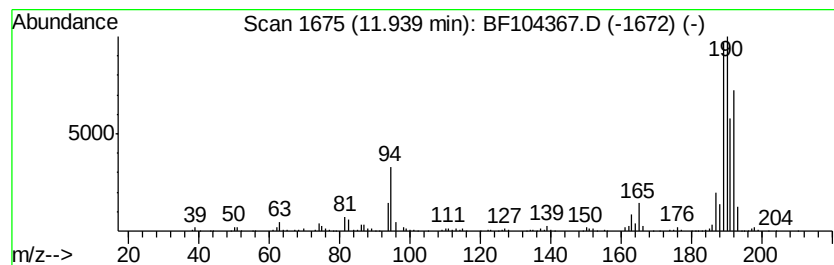
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.	
11.94	24.78 ng	1270810	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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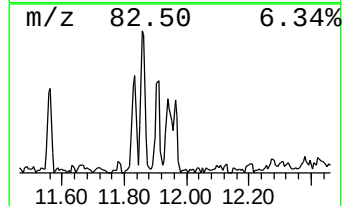
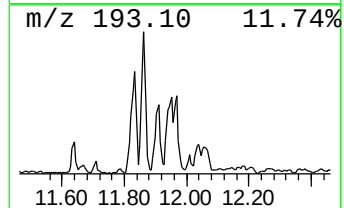
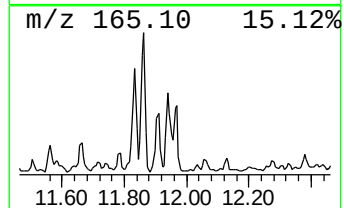
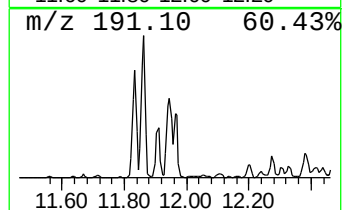
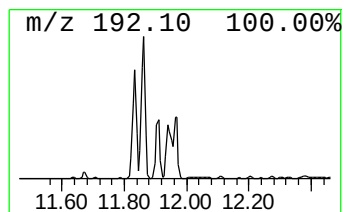
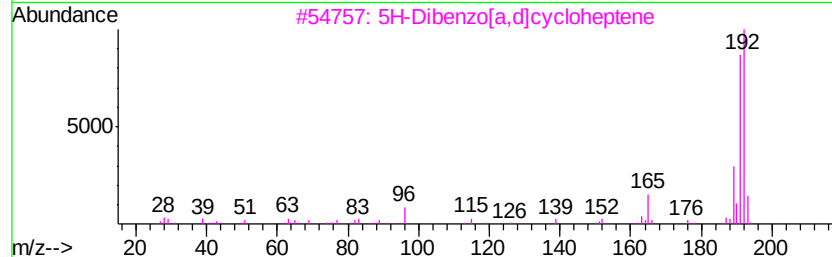
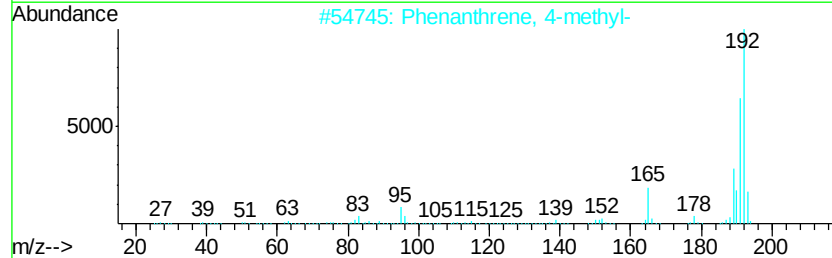
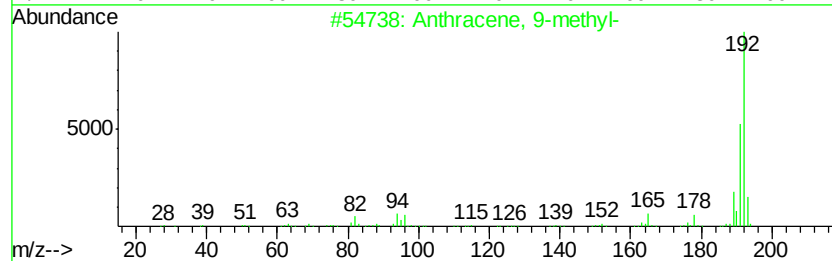
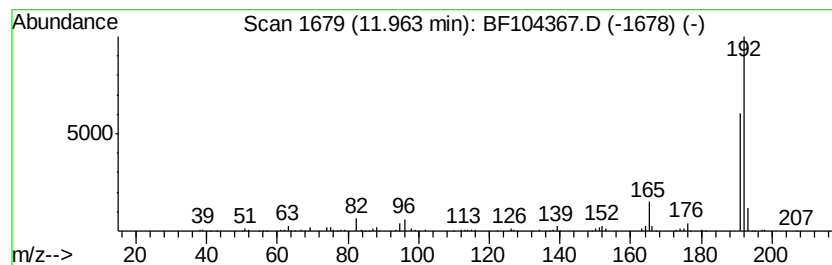
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.24 ng	320173	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-3-1(1-3)

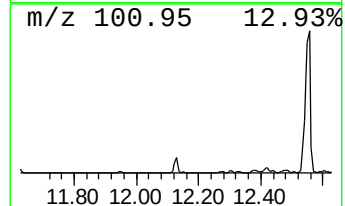
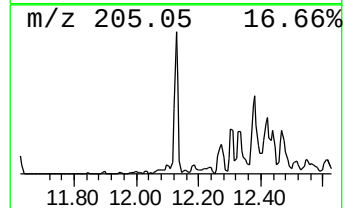
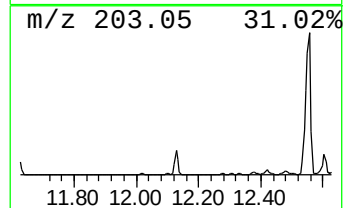
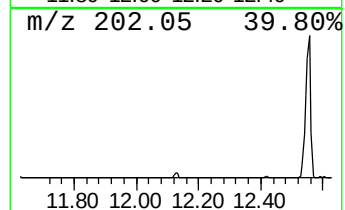
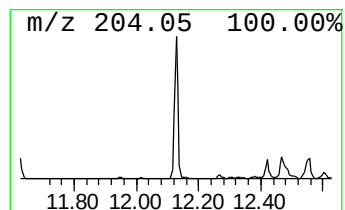
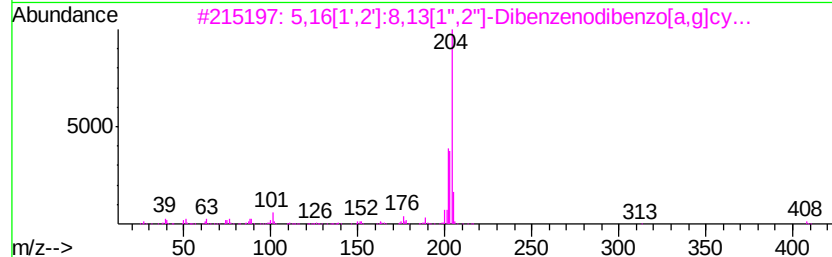
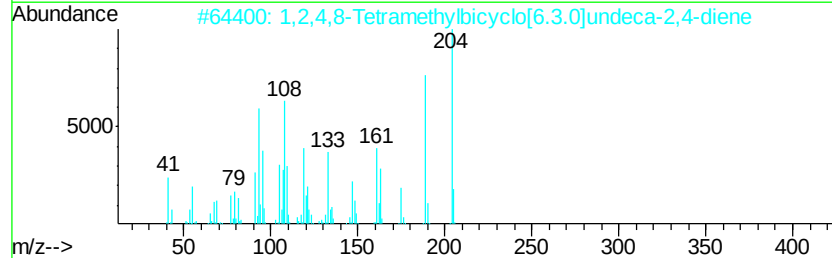
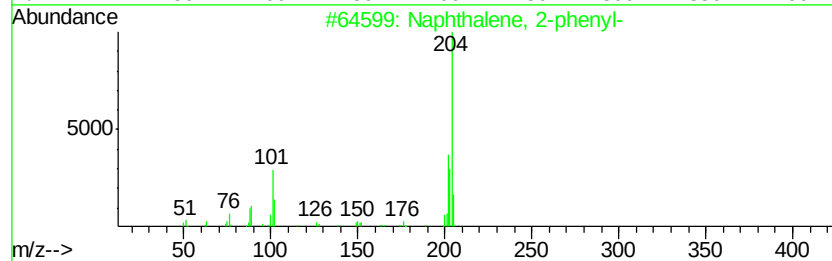
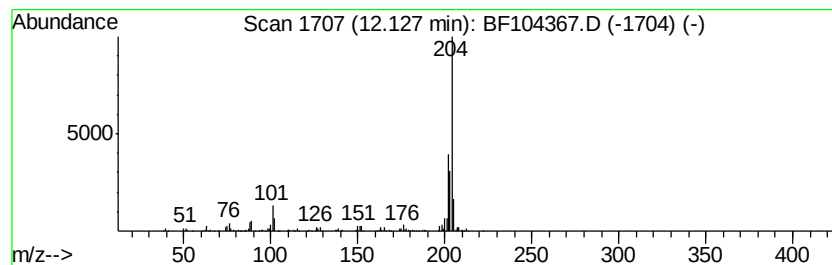
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	8.76 ng	449079	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	83
3		5,16[1',2']-8,13[1'',2'']-Dibenz[1,2-b:4,5-b']diphenyl	408	C32H24	005672-97-9	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	62
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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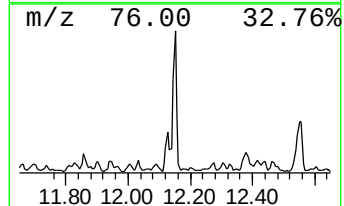
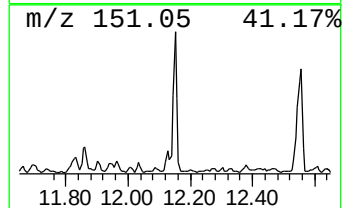
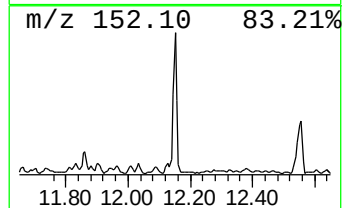
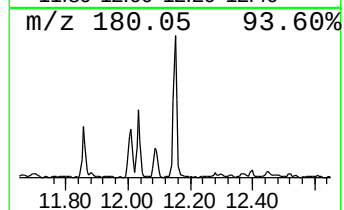
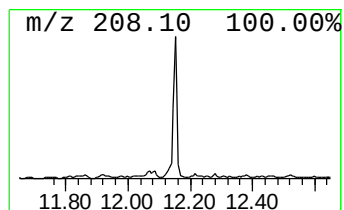
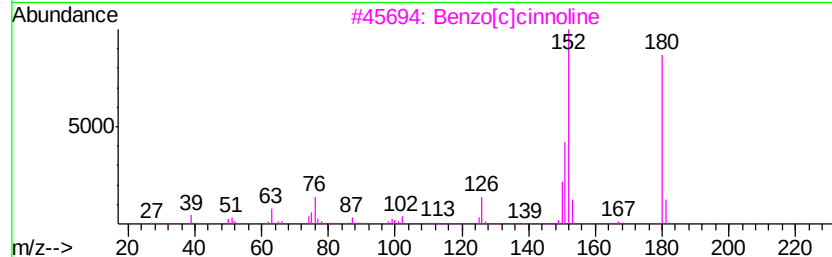
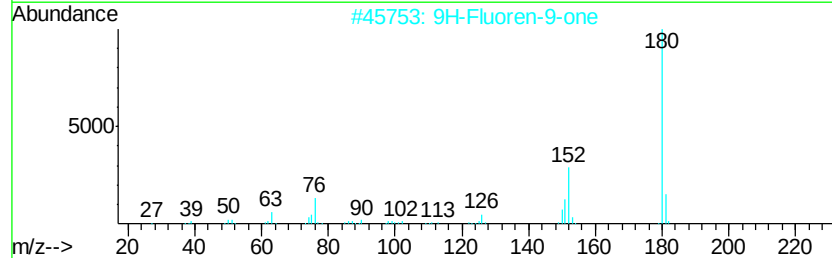
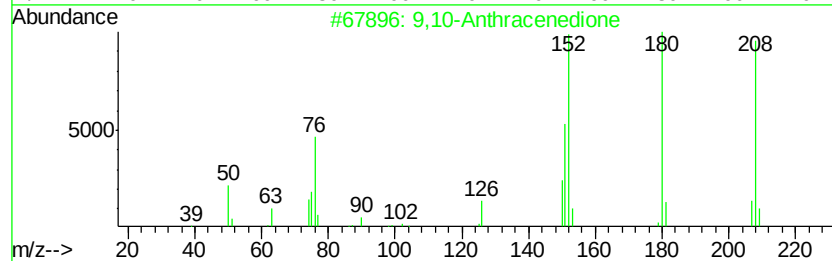
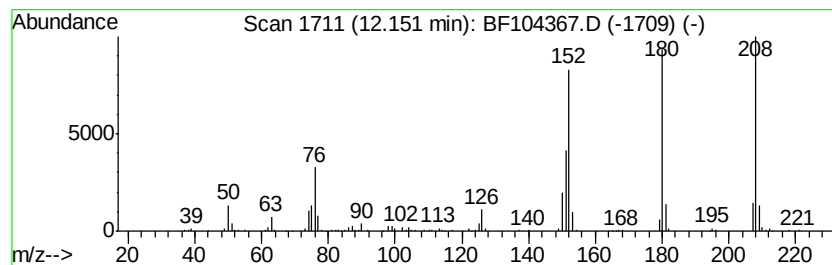
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	6.45 ng	330665	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

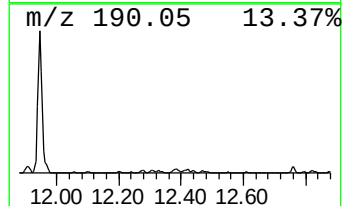
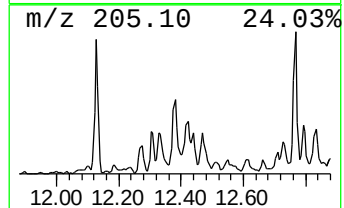
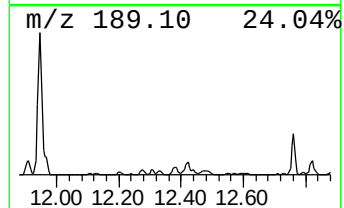
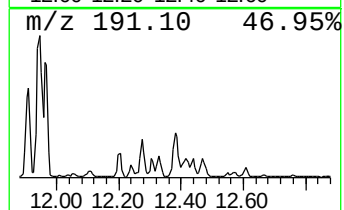
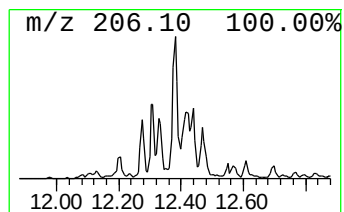
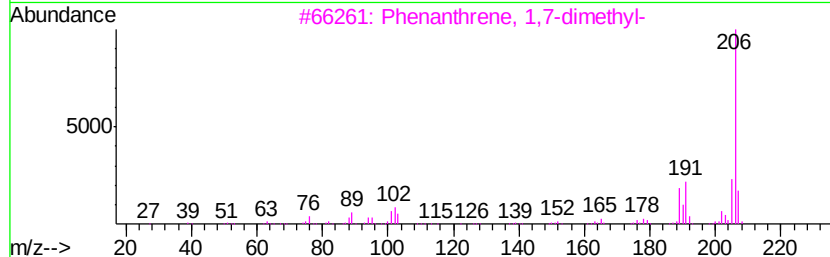
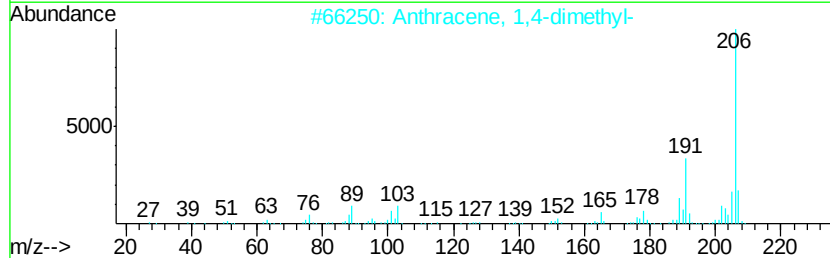
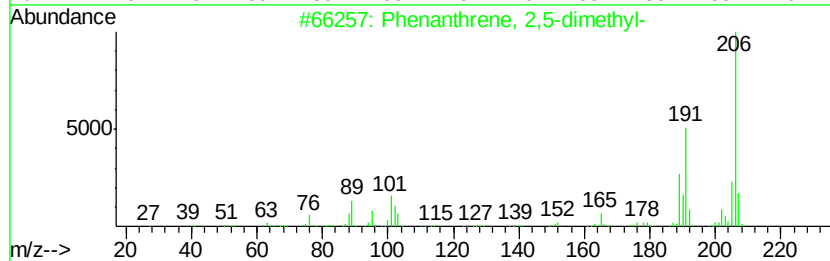
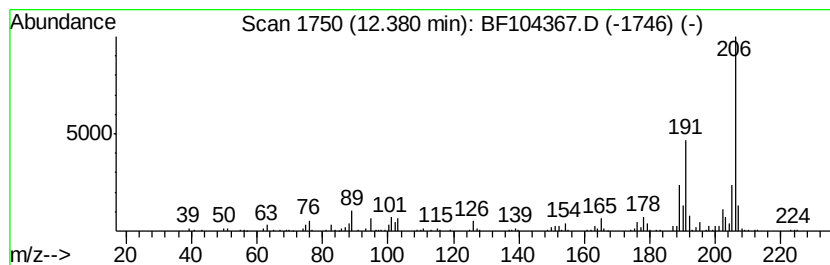
Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.38	5.98 ng	306634	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

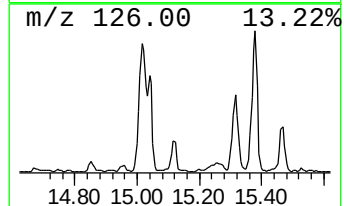
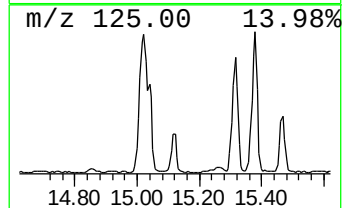
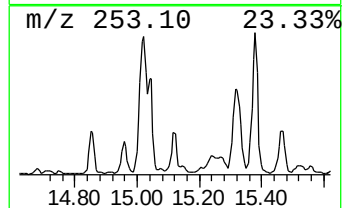
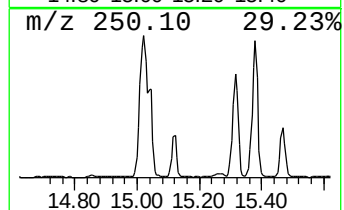
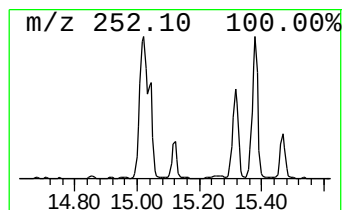
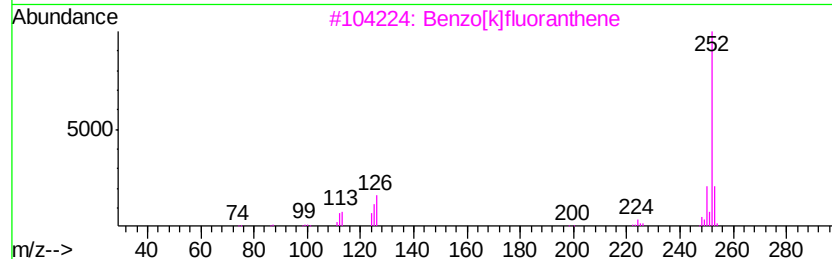
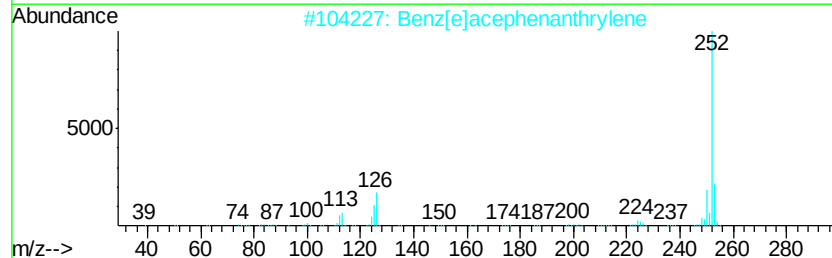
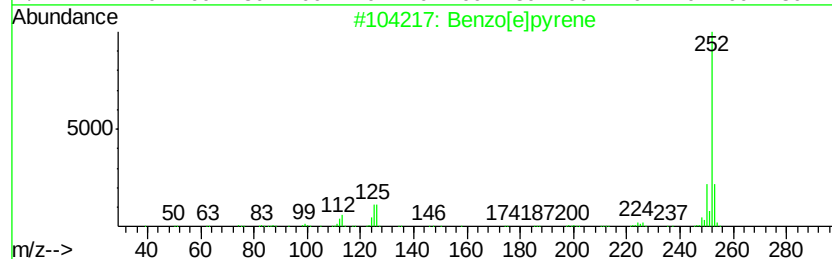
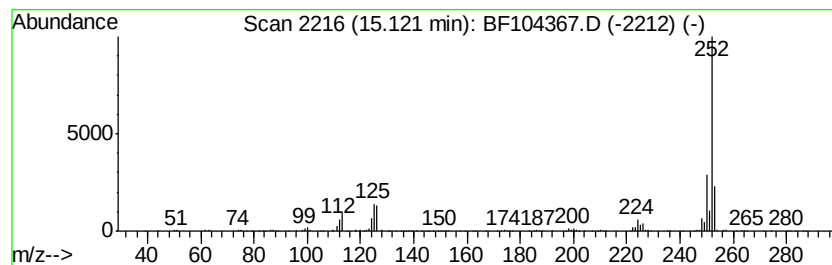
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	9.02 ng	392673	Perylene-d12	15.44
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 93
2		Benzo[e]acephenanthrylene	252 C20H12	000205-99-2 93
3		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93
4		Perylene	252 C20H12	000198-55-0 91
5		Benzo[a]pyrene	252 C20H12	000050-32-8 91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

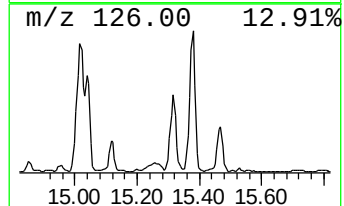
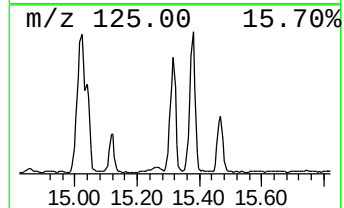
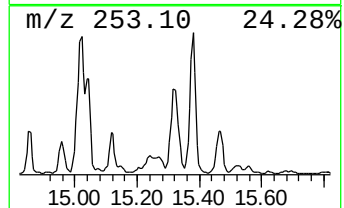
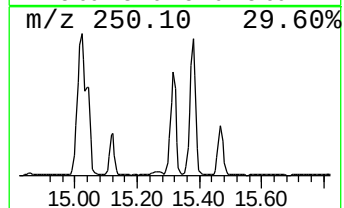
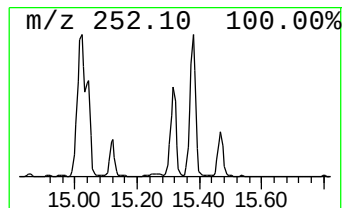
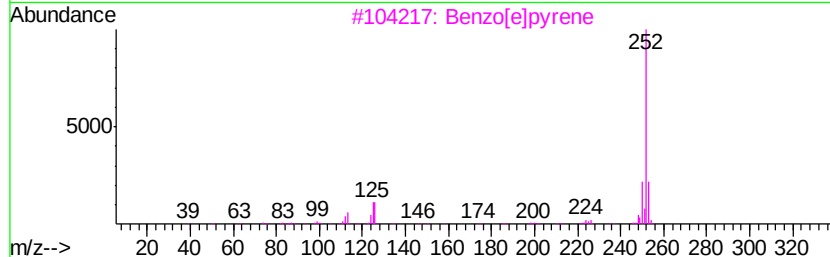
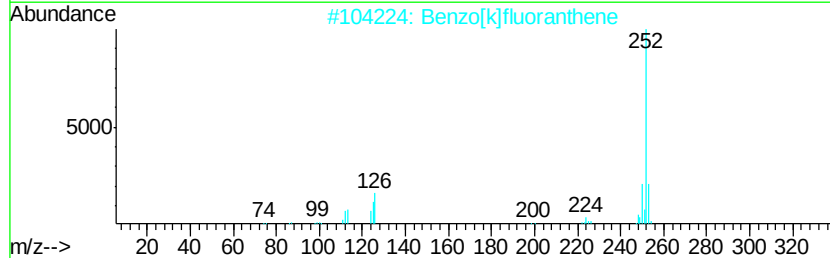
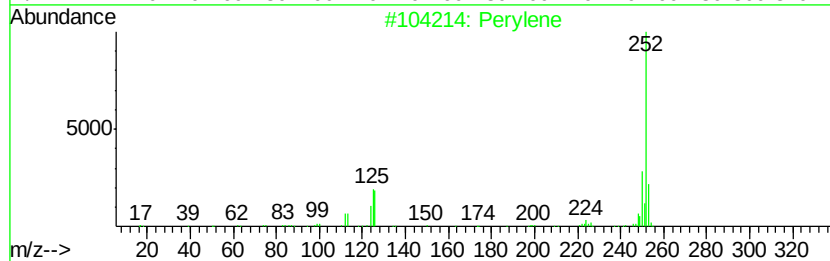
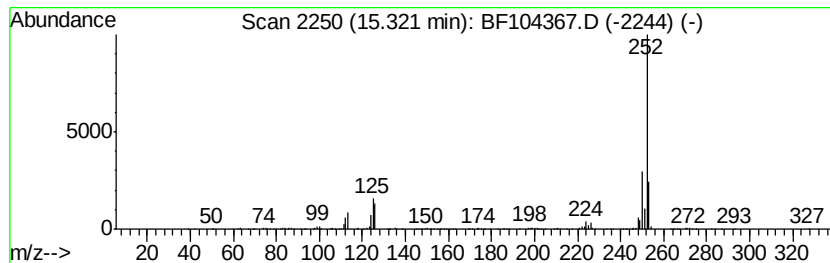
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ClientSampleId :
SB-3-1(1-3)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.32	30.54 ng	1329970	Perylene-d12	15.44	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)

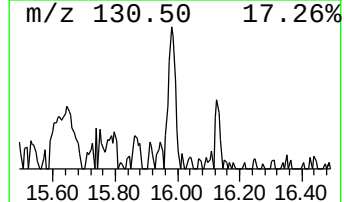
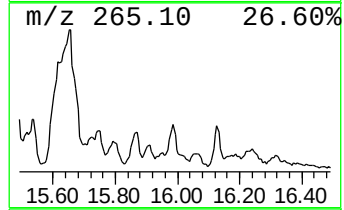
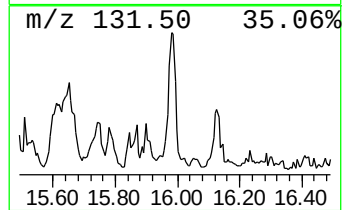
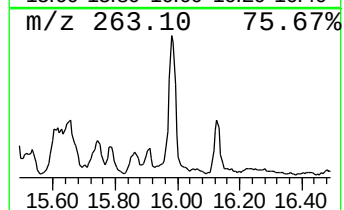
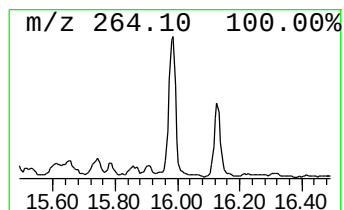
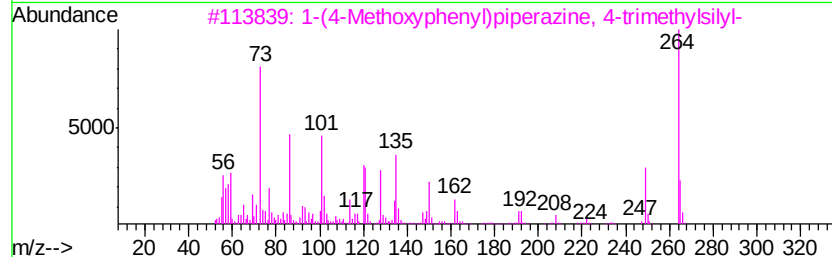
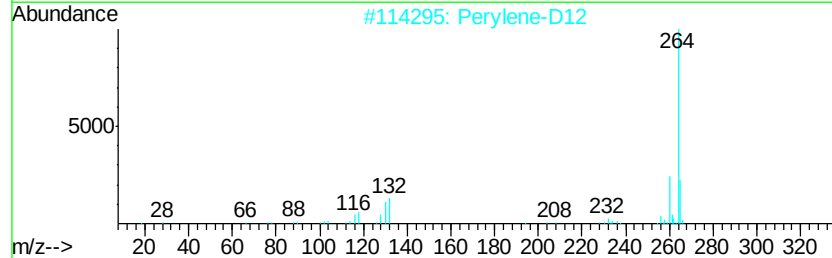
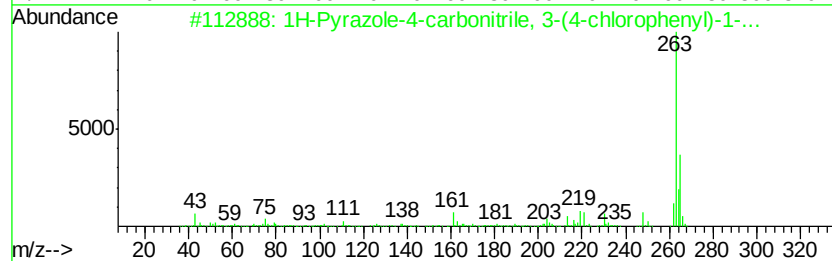
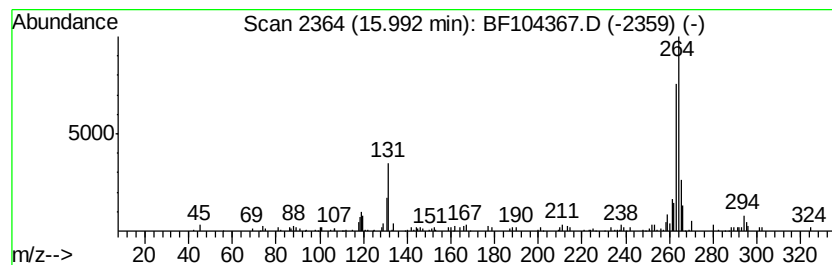
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown15.99 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	5.16 ng	224724	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
2		Perylene-D12	264	C20D12	001520-96-3	35
3		1-(4-Methoxyphenyl)piperazine, 4...	264	C14H24N2OSi	1000373-99-5	27
4		10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	25
5		Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	23



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104367.D
Acq On : 9 Apr 2018 13:05
Operator : JU/SJ
Sample : J2184-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)

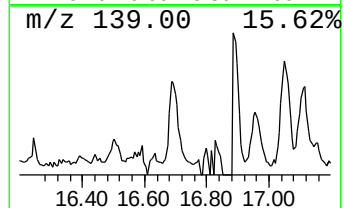
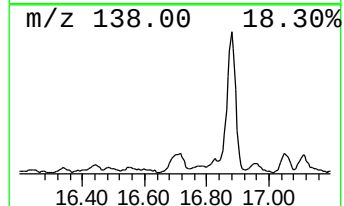
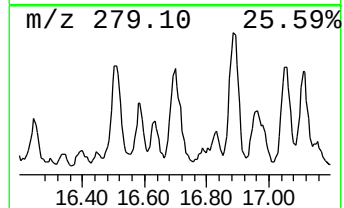
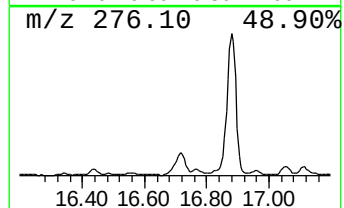
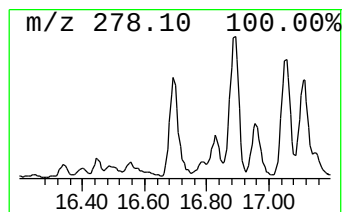
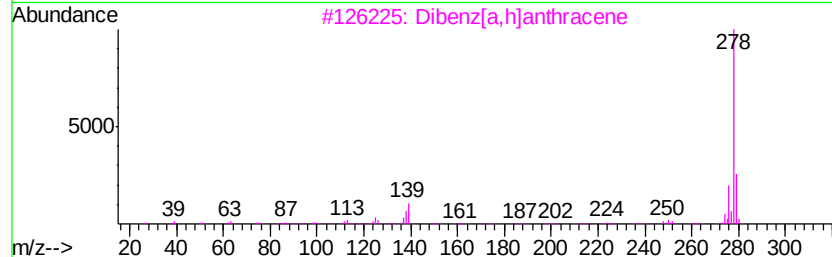
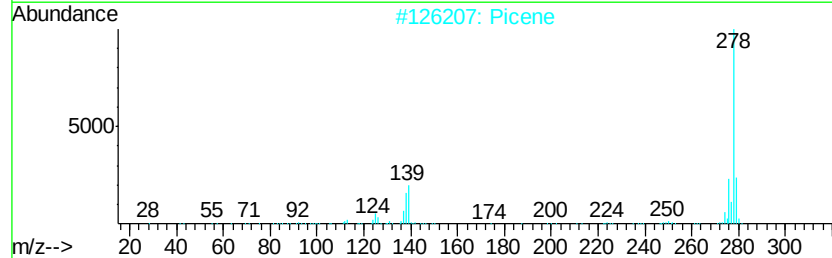
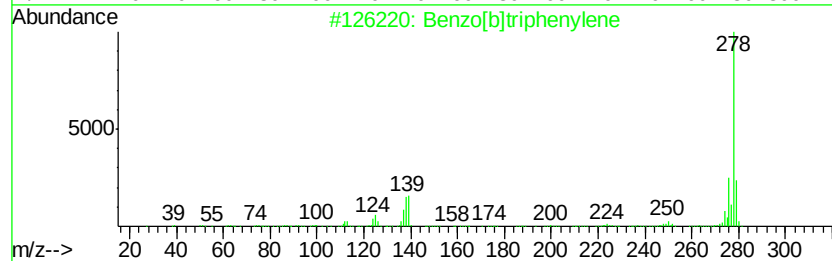
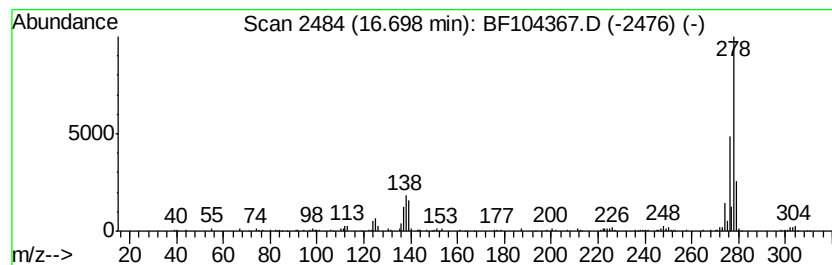
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	5.49 ng	239211	Perylene-d12	15.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2			Picene	278	C22H14	000213-46-7	83
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64
4			Pvrene, 1-phenyl-	278	C22H14	005101-27-9	64
5			p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040918\
 Data File : BF104367.D
 Acq On : 9 Apr 2018 13:05
 Operator : JU/SJ
 Sample : J2184-05 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-1(1-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
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Naphthalene, 1-me...	8.90	6.0	ng	359616	2	8.09	1200340	20.0
9H-Fluorene, 1-me...	10.94	6.8	ng	350885	4	11.33	1025730	20.0
Dibenzothiophene	11.23	8.9	ng	457655	4	11.33	1025730	20.0
Phenanthrene, 2-m...	11.83	13.6	ng	698270	4	11.33	1025730	20.0
4H-Cyclopenta[def...	11.94	24.8	ng	1270810	4	11.33	1025730	20.0
Anthracene, 9-met...	11.96	6.2	ng	320173	4	11.33	1025730	20.0
Naphthalene, 2-ph...	12.13	8.8	ng	449079	4	11.33	1025730	20.0
9,10-Anthracenedione	12.15	6.5	ng	330665	4	11.33	1025730	20.0
Phenanthrene, 2,5...	12.38	6.0	ng	306634	4	11.33	1025730	20.0
Benzo[e]pyrene	15.12	9.0	ng	392673	6	15.44	871106	20.0
Perylene	15.32	30.5	ng	1329970	6	15.44	871106	20.0
unknown15.99	15.99	5.2	ng	224724	6	15.44	871106	20.0
Benzo[b]triphenylene	16.70	5.5	ng	239211	6	15.44	871106	20.0