

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094130.D
 Acq On : 3 Apr 2017 19:32
 Operator : SJ/MA
 Sample : I2501-04 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

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-BF032217.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	4.416	426	430	434	rBV	2145111	1999374	11.96%	0.958%
2	5.487	607	612	619	rBV	2019810	2067300	12.37%	0.990%
3	5.628	632	636	640	rBV	2232220	2150327	12.87%	1.030%
4	5.887	675	680	684	rBV	1298692	1159251	6.94%	0.555%
5	6.063	705	710	713	rBV	1705891	1564049	9.36%	0.749%
6	6.534	784	790	793	rBV	1254106	1308534	7.83%	0.627%
7	7.392	924	936	938	rBV	1482062	1833202	10.97%	0.878%
8	7.416	938	940	944	rVB	2984310	2722045	16.29%	1.304%
9	8.257	1078	1083	1087	rBV	1606739	1458940	8.73%	0.699%
10	8.375	1097	1103	1107	rBV	1235680	1196530	7.16%	0.573%
11	8.710	1153	1160	1164	rBV	2178035	2004208	11.99%	0.960%
12	8.828	1176	1180	1188	rVB	477139	459145	2.75%	0.220%
13	9.022	1206	1213	1219	rBV2	489277	812709	4.86%	0.389%
14	9.122	1224	1230	1232	rBV	884192	1024533	6.13%	0.491%
15	9.151	1232	1235	1241	rVB	586765	519084	3.11%	0.249%
16	9.263	1248	1254	1256	rBV	410718	474646	2.84%	0.227%
17	9.357	1265	1270	1275	rVB3	422987	469014	2.81%	0.225%
18	9.533	1289	1300	1303	rBV3	1598301	1954141	11.69%	0.936%
19	9.575	1303	1307	1310	rVV	3896342	4127005	24.69%	1.977%
20	9.786	1337	1343	1348	rBV	2309505	2479657	14.84%	1.188%
21	10.210	1410	1415	1418	rVV	3187716	3210868	19.21%	1.538%
22	10.286	1426	1428	1430	rVV	556228	571419	3.42%	0.274%
23	10.310	1430	1432	1435	rVV	621485	622703	3.73%	0.298%
24	10.404	1445	1448	1451	rVV	930002	937914	5.61%	0.449%
25	10.504	1455	1465	1470	rBV2	1866260	2403697	14.38%	1.151%
26	10.886	1525	1530	1533	rBV2	554908	862906	5.16%	0.413%
27	11.051	1555	1558	1561	rVV	332372	461204	2.76%	0.221%
28	11.122	1565	1570	1577	rVB	1392622	1717208	10.27%	0.823%
29	11.192	1577	1582	1585	rBV	504773	686778	4.11%	0.329%
30	11.227	1585	1588	1592	rVV	1272085	1249279	7.47%	0.598%
31	11.422	1606	1621	1623	rBV	6944300	16713976	100.00%	8.006%
32	11.469	1623	1629	1631	rVB	4634652	5217697	31.22%	2.499%
33	11.657	1657	1661	1664	rVV	1910591	1766307	10.57%	0.846%
34	11.739	1671	1675	1678	rVV2	560021	609904	3.65%	0.292%

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35	11.774	1678	1681	1686	rVV4	376002	596691	3.57%	0.286%
36	11.986	1709	1717	1720	rBV	2047657	2393227	14.32%	1.146%
37	12.022	1720	1723	1728	rVB	2767497	2913892	17.43%	1.396%
38	12.080	1728	1733	1736	rBV	1188283	1332249	7.97%	0.638%
39	12.121	1736	1740	1743	rBV	3422074	4129983	24.71%	1.978%
40	12.151	1743	1745	1750	rVB	1544025	1290324	7.72%	0.618%
41	12.357	1776	1780	1782	rBV	1462771	1672987	10.01%	0.801%
42	12.380	1782	1784	1788	rVB	1389193	1375007	8.23%	0.659%
43	12.533	1803	1810	1814	rBV	463452	642764	3.85%	0.308%
44	12.669	1828	1833	1836	rBV	722083	1160649	6.94%	0.556%
45	12.704	1836	1839	1843	rVV	427093	639156	3.82%	0.306%
46	12.780	1847	1852	1859	rVB2	908995	1463845	8.76%	0.701%
47	12.886	1859	1870	1873	rBV	6515961	15311239	91.61%	7.334%
48	12.933	1875	1878	1882	rBV2	498437	602949	3.61%	0.289%
49	13.039	1891	1896	1900	rBV2	920761	1135527	6.79%	0.544%
50	13.157	1907	1916	1917	rBV2	6251438	12379708	74.07%	5.930%
51	13.204	1921	1924	1927	rVB	770832	645757	3.86%	0.309%
52	13.292	1933	1939	1942	rBV	1223073	1380223	8.26%	0.661%
53	13.333	1942	1946	1953	rVB2	1468894	2057023	12.31%	0.985%
54	13.392	1953	1956	1957	rBV	530924	497415	2.98%	0.238%
55	13.421	1957	1961	1963	rVB	782946	1004961	6.01%	0.481%
56	13.521	1973	1978	1980	rBV4	746519	1268140	7.59%	0.607%
57	13.551	1980	1983	1986	rVB	2126251	2236266	13.38%	1.071%
58	13.633	1993	1997	2000	rBV	1591534	1665234	9.96%	0.798%
59	13.674	2000	2004	2007	rBV	1668683	1923227	11.51%	0.921%
60	13.704	2007	2009	2014	rVB	679391	742708	4.44%	0.356%
61	13.786	2019	2023	2026	rBV	700348	697816	4.18%	0.334%
62	13.821	2026	2029	2032	rBV	789499	752450	4.50%	0.360%
63	14.068	2069	2071	2075	rVV2	402374	494591	2.96%	0.237%
64	14.168	2081	2088	2095	rVV2	1030313	1738956	10.40%	0.833%
65	14.304	2106	2111	2114	rVV	1267532	1503859	9.00%	0.720%
66	14.345	2114	2118	2120	rVV	1308349	1717011	10.27%	0.822%
67	14.368	2120	2122	2124	rVV	1156959	1187922	7.11%	0.569%
68	14.386	2124	2125	2130	rVV2	772795	941041	5.63%	0.451%
69	14.433	2130	2133	2138	rVB	1166062	1397873	8.36%	0.670%
70	14.621	2154	2165	2168	rBV2	4359485	9670146	57.86%	4.632%
71	14.668	2169	2173	2179	rVB	4371754	6790267	40.63%	3.252%

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72	14.751	2182	2187	2190	rVV	1333383	1465718	8.77%	0.702%
73	14.857	2201	2205	2207	rVV2	798403	983389	5.88%	0.471%
74	14.904	2210	2213	2216	rVV	772357	811551	4.86%	0.389%
75	15.021	2227	2233	2236	rBV4	327785	601153	3.60%	0.288%
76	15.104	2241	2247	2250	rVV2	1214828	1553322	9.29%	0.744%
77	15.139	2250	2253	2258	rVB	643614	727845	4.35%	0.349%
78	15.210	2262	2265	2268	rVV2	723645	749068	4.48%	0.359%
79	15.245	2268	2271	2273	rVV4	540640	634458	3.80%	0.304%
80	15.268	2273	2275	2280	rVV2	580644	792365	4.74%	0.380%
81	15.345	2285	2288	2295	rVB3	467672	618757	3.70%	0.296%
82	15.468	2305	2309	2314	rBV3	600269	963367	5.76%	0.461%
83	15.674	2338	2344	2349	rBV4	413473	863677	5.17%	0.414%
84	15.868	2368	2377	2379	rBV	3788278	8468229	50.67%	4.056%
85	15.892	2379	2381	2385	rVB	3037330	2478327	14.83%	1.187%
86	15.957	2389	2392	2395	rVB	1375862	1369749	8.20%	0.656%
87	16.062	2403	2410	2413	rBV2	485456	1056500	6.32%	0.506%
88	16.151	2418	2425	2429	rVV	2441164	4191667	25.08%	2.008%
89	16.215	2429	2436	2440	rVB	3512342	5939836	35.54%	2.845%
90	16.262	2440	2444	2446	rBV	784564	1038841	6.22%	0.498%
91	16.292	2446	2449	2455	rVB2	1588014	1947708	11.65%	0.933%
92	16.421	2465	2471	2475	rBV6	377802	934173	5.59%	0.447%
93	17.304	2617	2621	2636	rVB7	285754	895746	5.36%	0.429%
94	17.439	2638	2644	2659	rBV5	415855	1437310	8.60%	0.688%
95	17.627	2664	2676	2681	rBV2	1753559	3983925	23.84%	1.908%
96	17.680	2681	2685	2693	rVB	253199	501473	3.00%	0.240%
97	17.768	2693	2700	2704	rBV	539622	1117707	6.69%	0.535%
98	17.821	2704	2709	2714	rBV	345021	501101	3.00%	0.240%
99	18.021	2733	2743	2756	rVB	1195739	3190545	19.09%	1.528%
100	18.215	2770	2776	2782	rBV	419145	785774	4.70%	0.376%

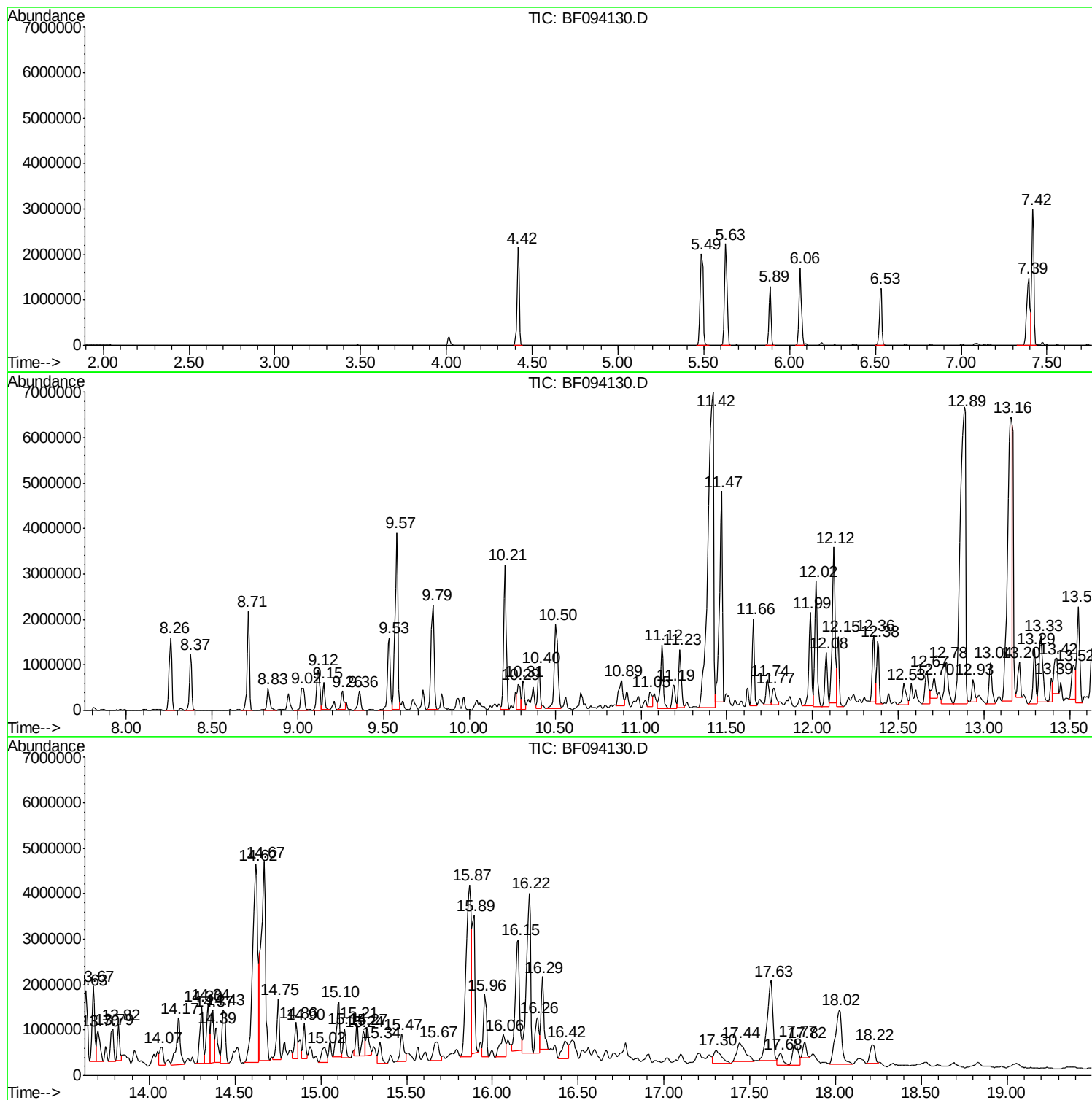
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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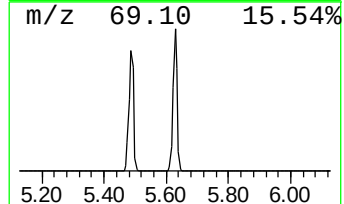
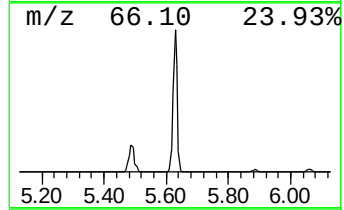
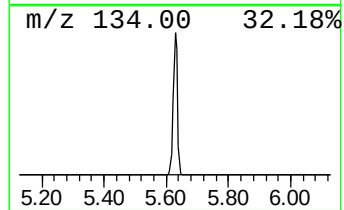
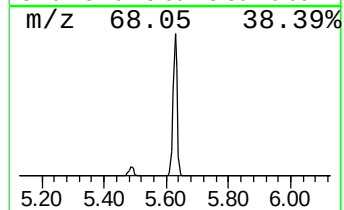
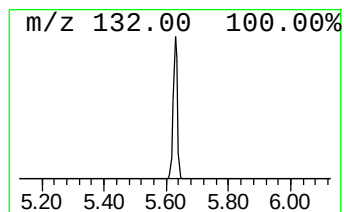
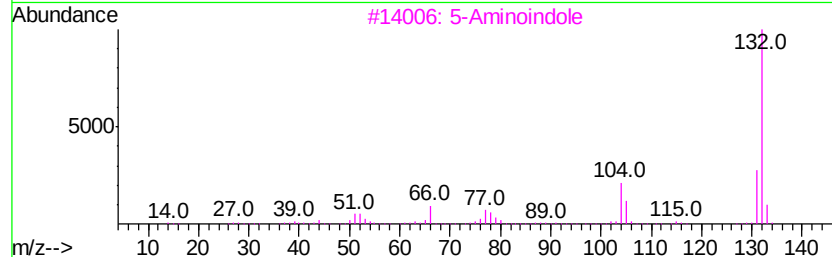
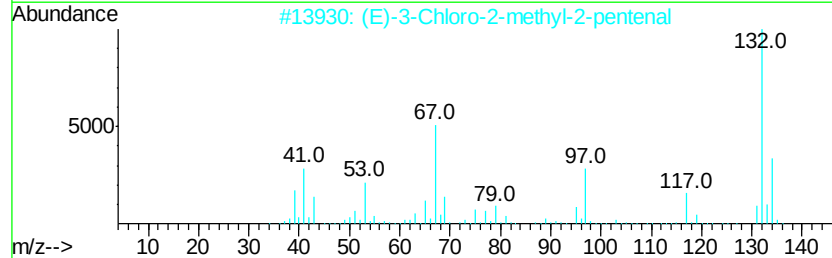
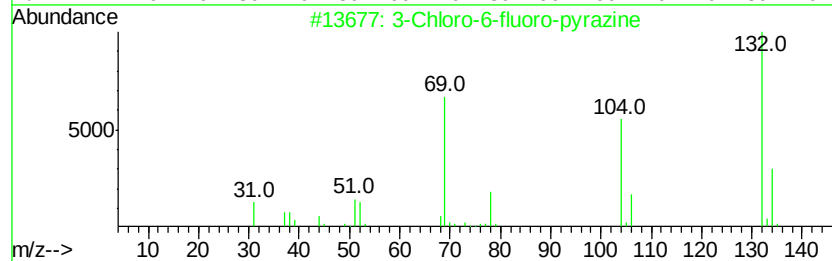
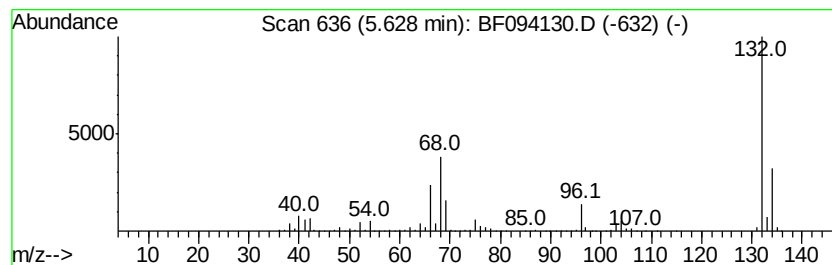
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown5.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	37.10 ng	2150330	1,4-Dichlorobenzene-d4	5.89

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		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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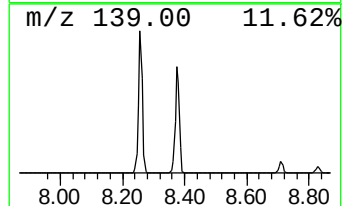
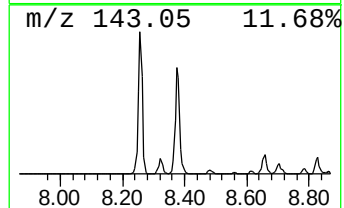
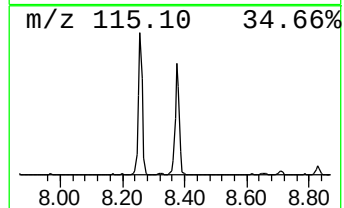
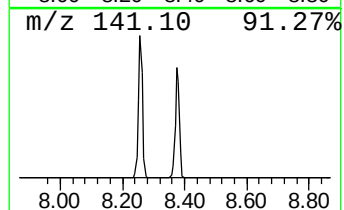
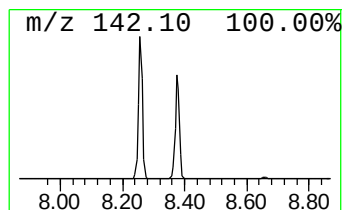
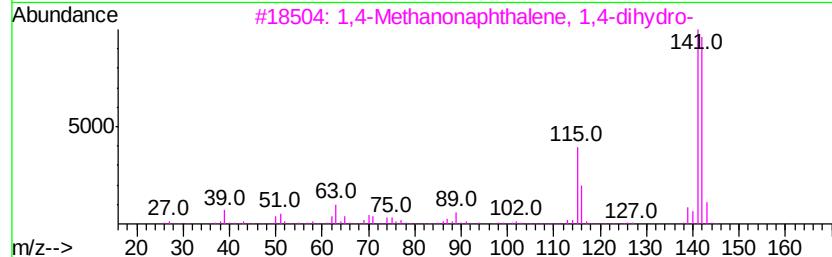
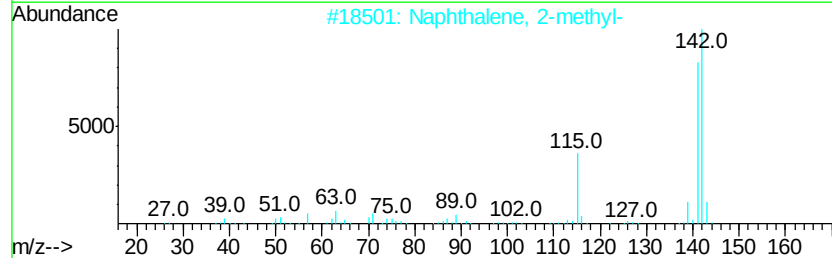
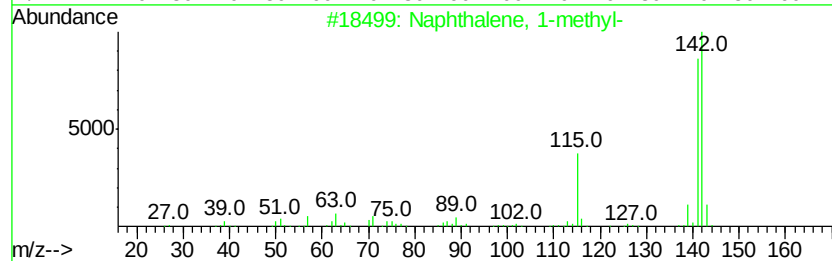
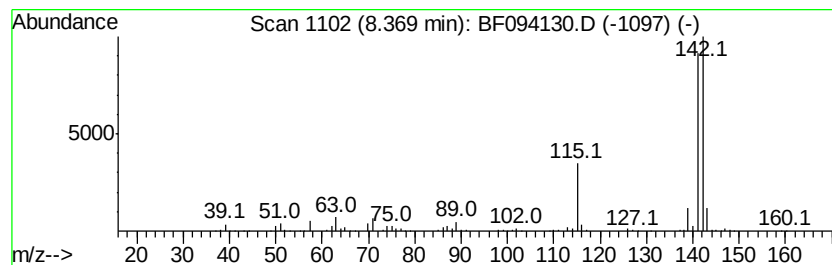
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	13.05 ng	1196530	Naphthalene-d8	7.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50



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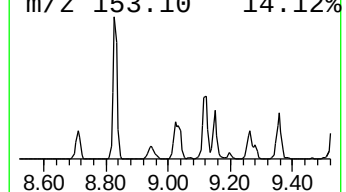
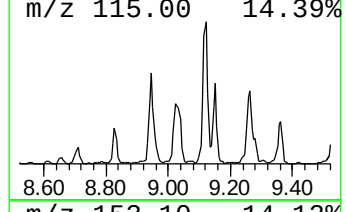
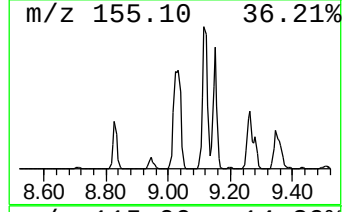
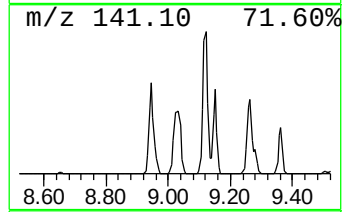
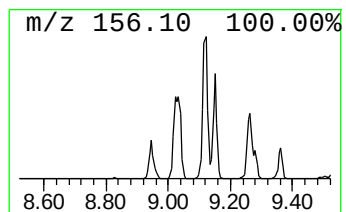
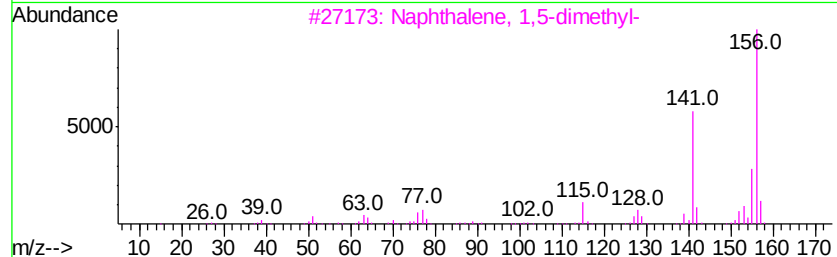
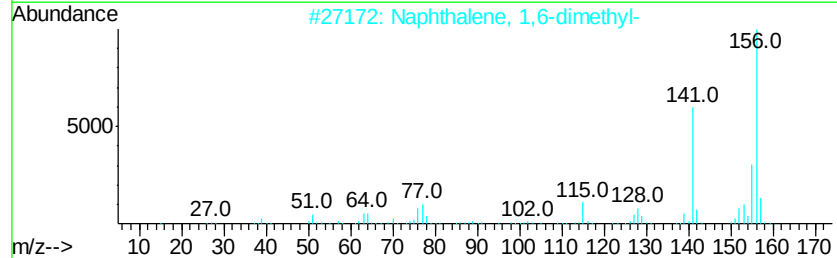
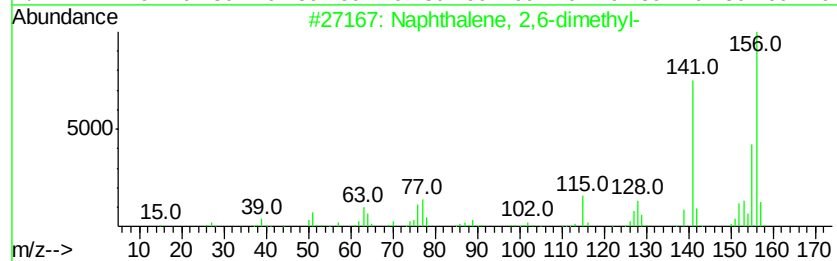
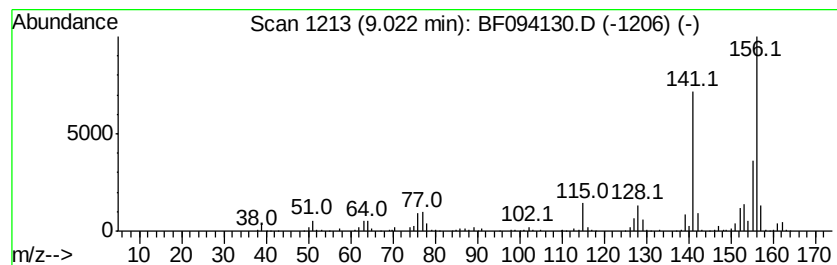
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.02	8.32 ng	812709	Acenaphthene-d10	9.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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Data File : BF094130.D
Acq On : 3 Apr 2017 19:32
Operator : SJ/MA
Sample : I2501-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

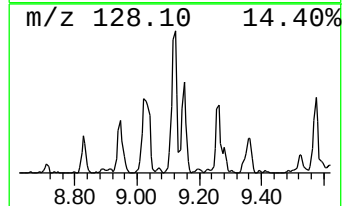
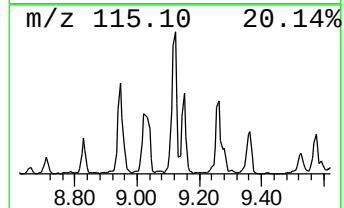
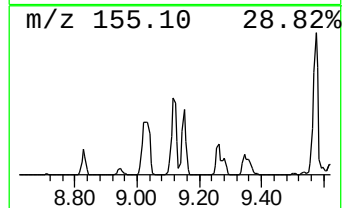
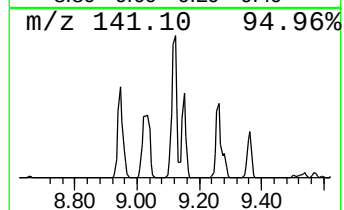
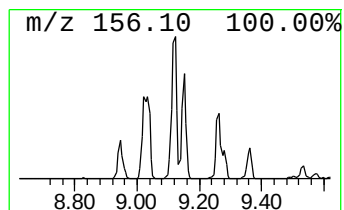
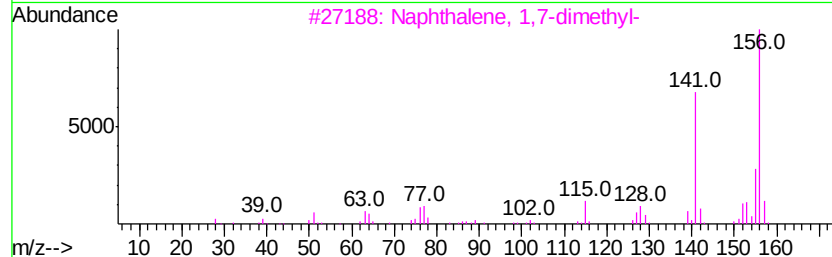
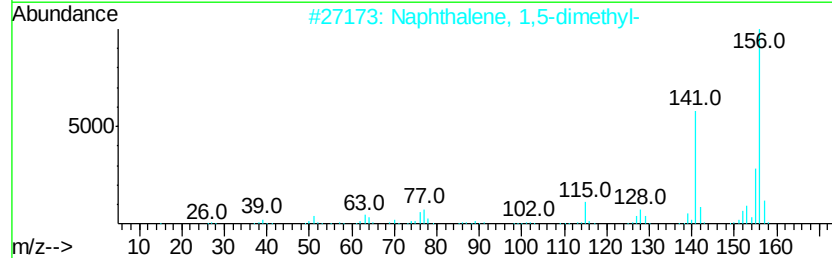
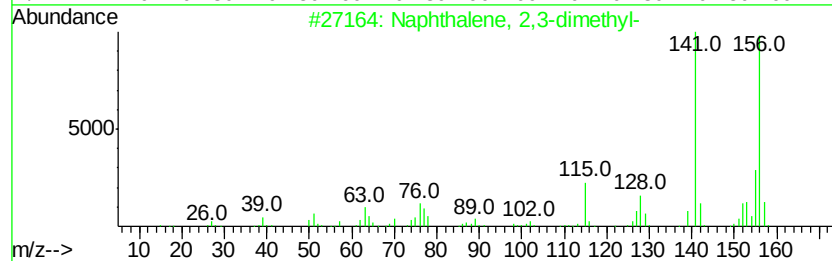
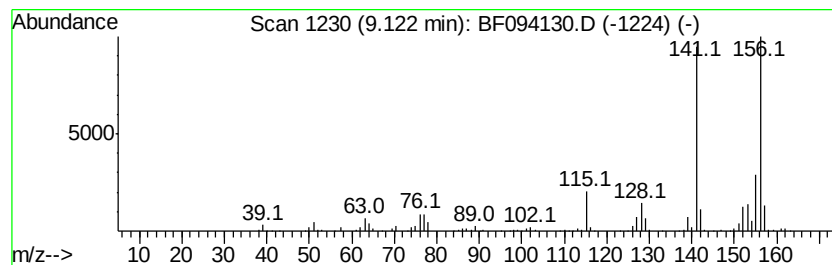
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	10.49 ng	1024530	Acenaphthene-d10	9.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094130.D
Acq On : 3 Apr 2017 19:32
Operator : SJ/MA
Sample : I2501-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

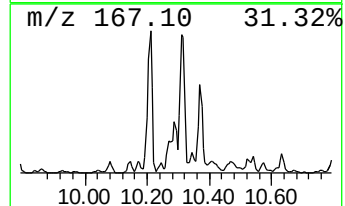
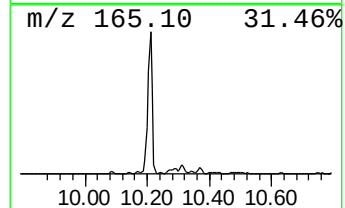
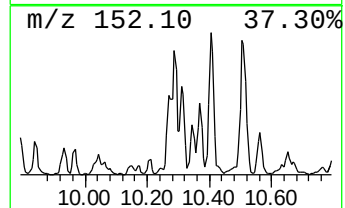
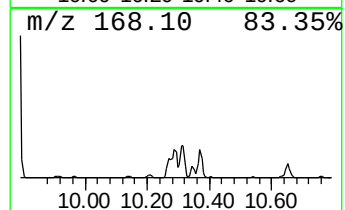
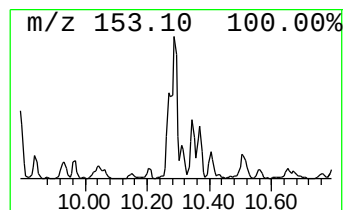
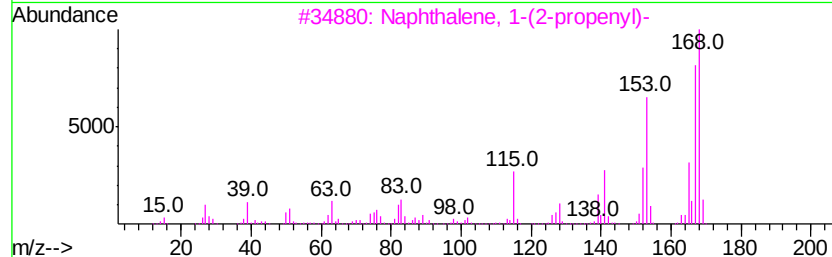
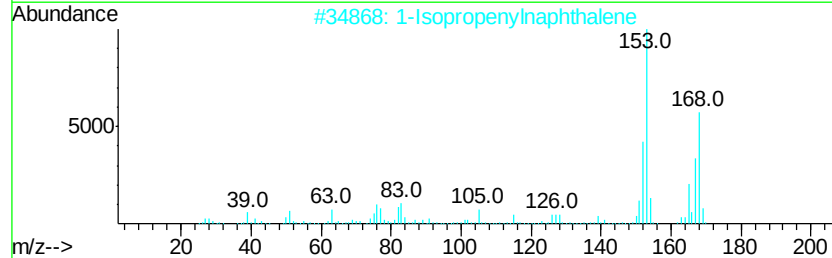
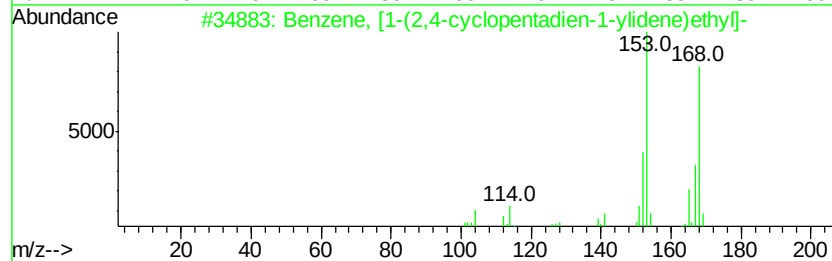
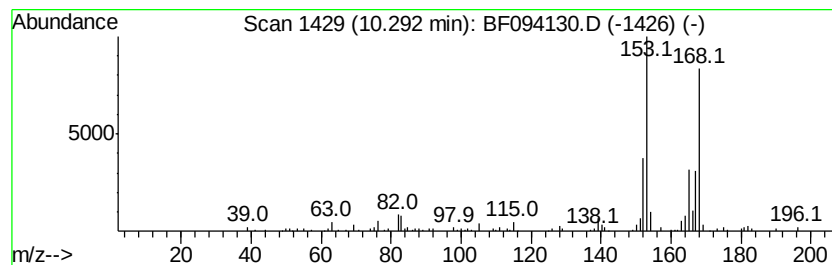
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, [1-(2,4-cyclopenta... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	5.85 ng	571419	Acenaphthene-d10	9.53
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3 72
2		1-Isopropenylnaphthalene	168 C13H12	001855-47-6 56
3		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 50
4		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 47
5		5-Acetyl-2-methyl-3-thiophenecar...	168 C8H8O2S	090345-55-4 47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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Operator : SJ/MA
Sample : I2501-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

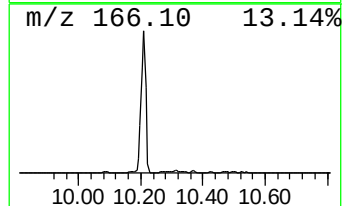
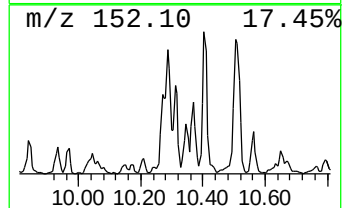
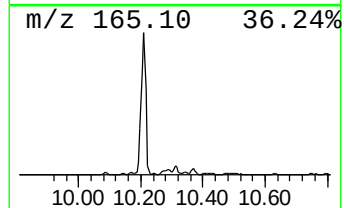
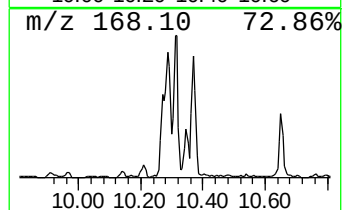
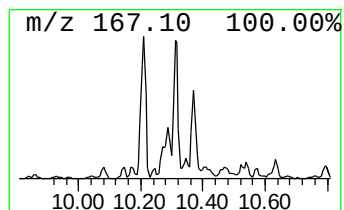
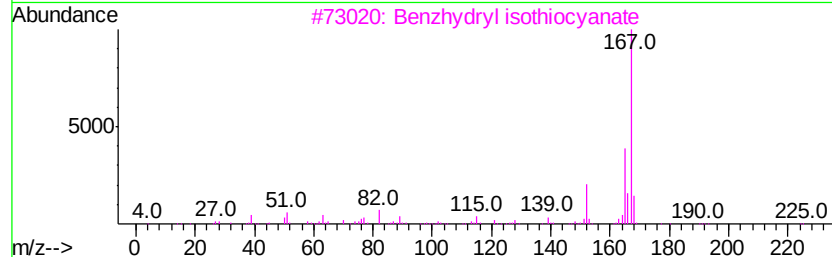
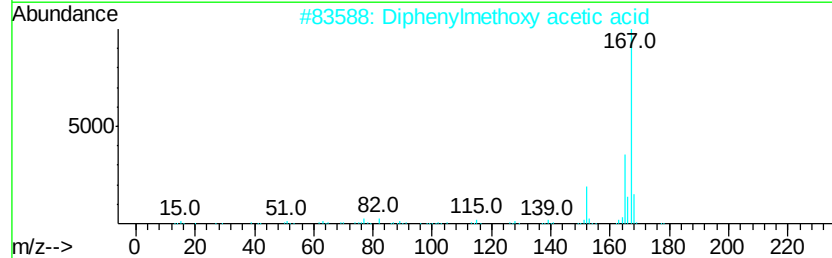
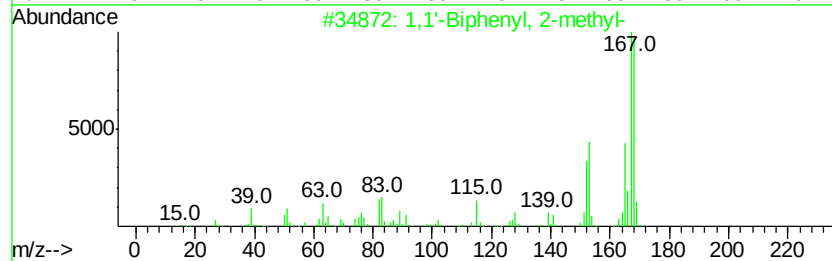
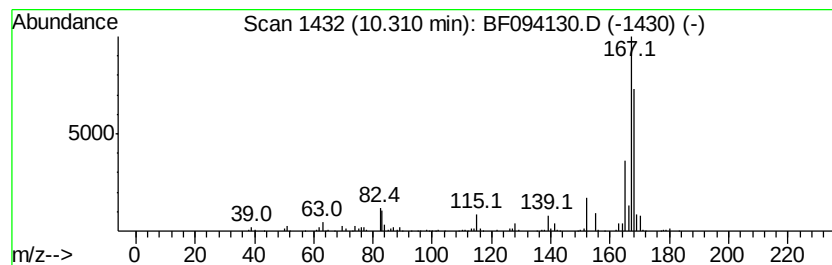
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1,1'-Biphenyl, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.31	6.37 ng	622703	Acenaphthene-d10	9.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
2	Diphenylmethoxy acetic acid	242	C15H14O3	021409-25-6	53
3	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	53
4	Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	53
5	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040317\
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Sample : I2501-04 2X
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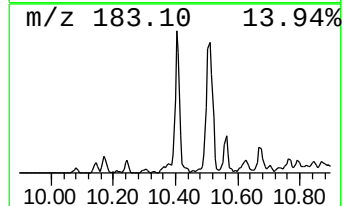
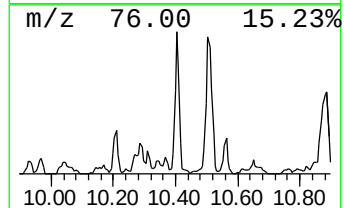
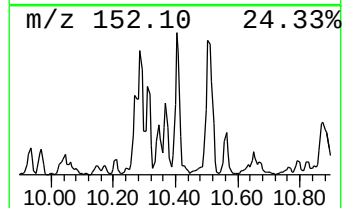
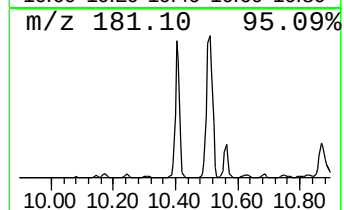
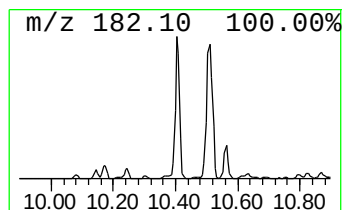
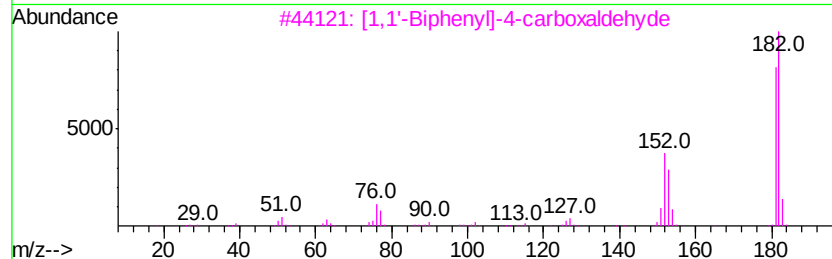
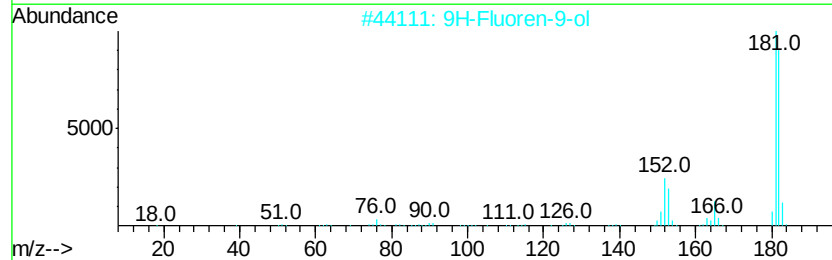
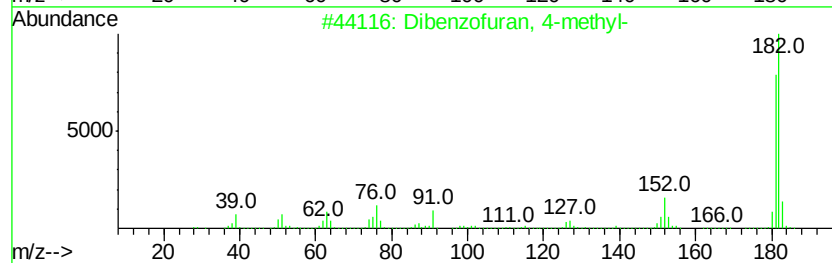
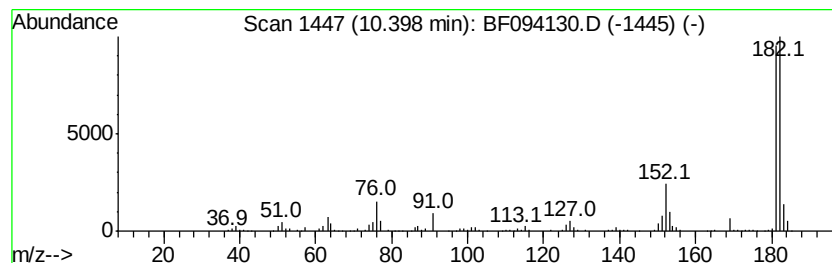
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.40	9.60 ng	937914	Acenaphthene-d10	9.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	9H-Xanthene	182	C13H10O	000092-83-1	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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Sample : I2501-04 2X
Misc :
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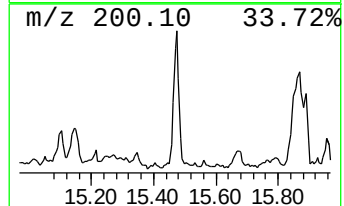
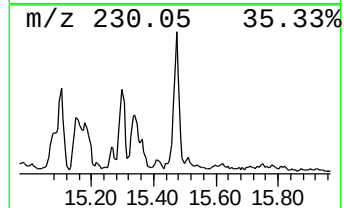
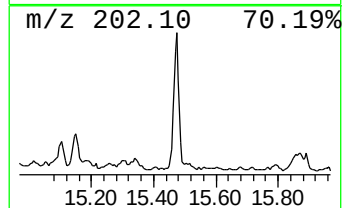
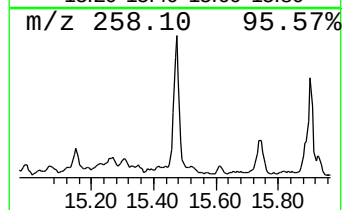
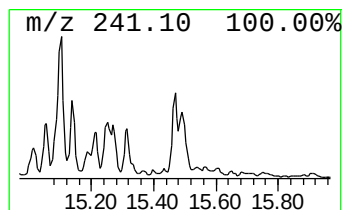
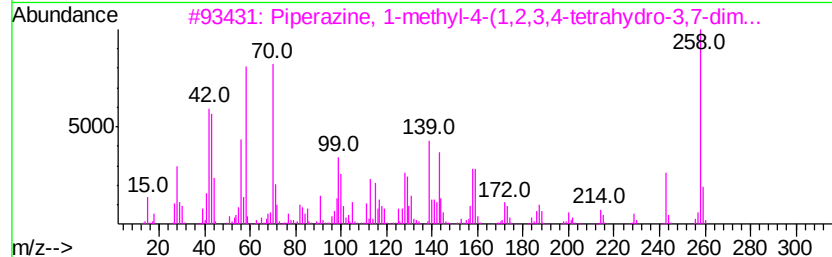
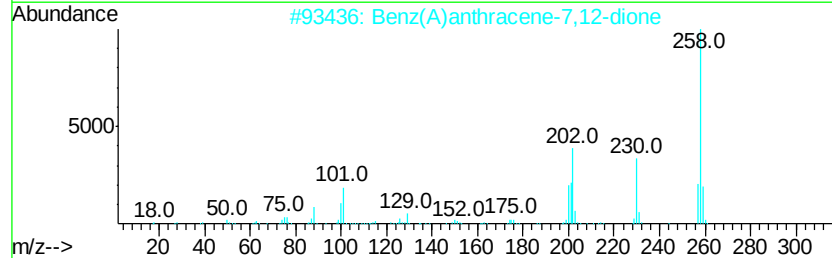
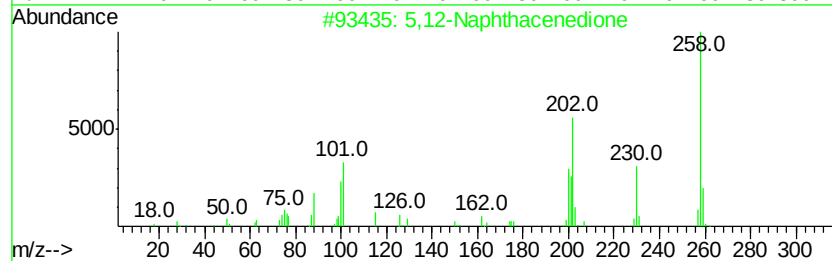
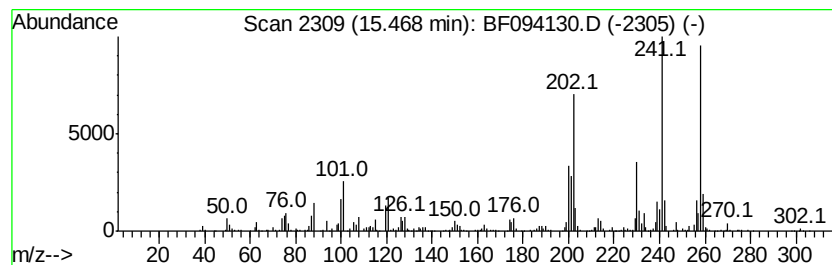
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 5,12-Naphthacenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.47	18.55 ng	963367	Perylene-d12	16.26		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93	
2	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	92	
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	53	
4	Pyrene	202	C16H10	000129-00-0	44	
5	Benzo[2,1-b:3,4-b']bisbenzofuran	258	C18H10O2	000222-23-1	22	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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Sample : I2501-04 2X
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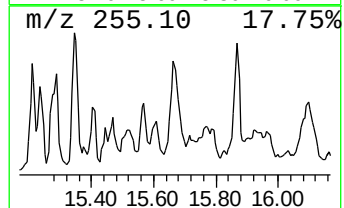
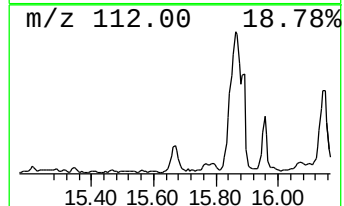
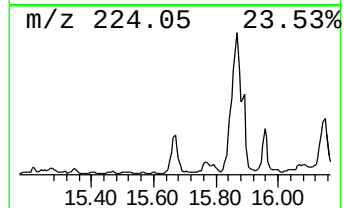
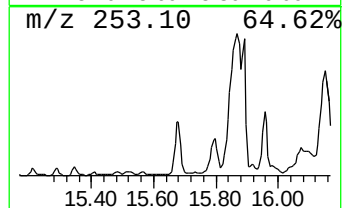
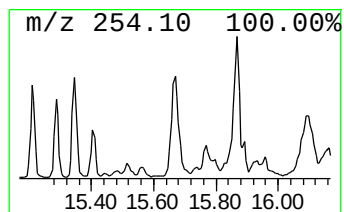
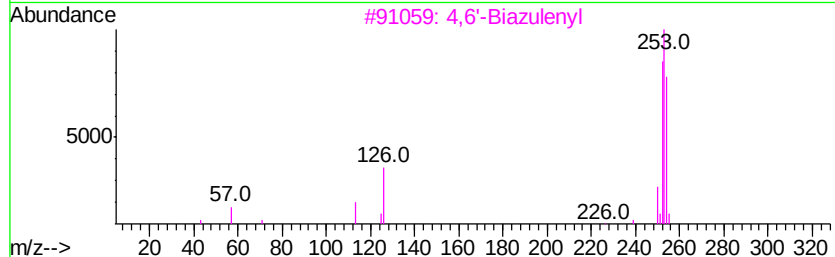
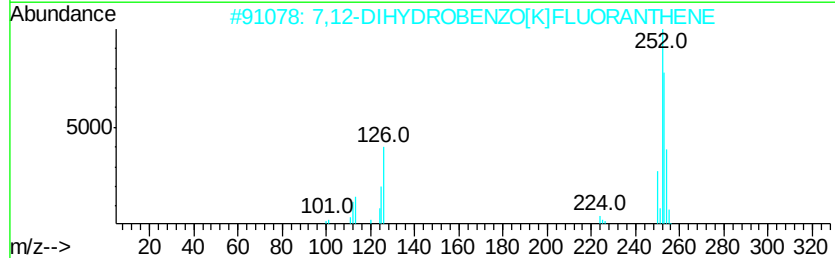
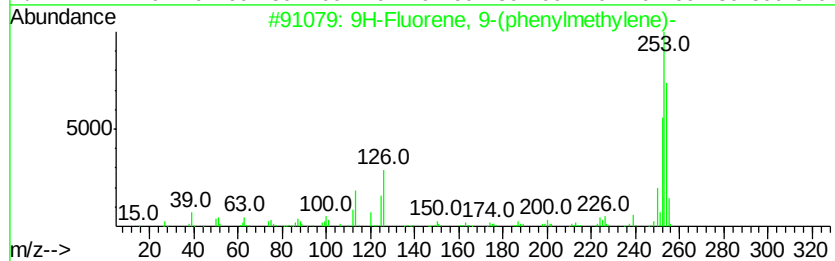
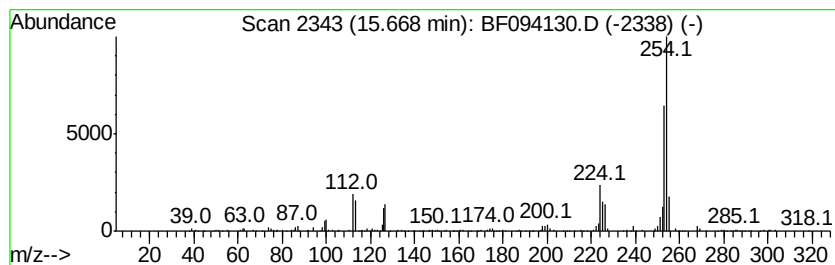
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9H-Fluorene, 9-(phenylmethy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	16.63 ng	863677	Perylene-d12	16.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	74
2		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	64
3		4,6'-Biazuleny	254	C20H14	094154-49-1	53
4		Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	50
5		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040317\
Data File : BF094130.D
Acq On : 3 Apr 2017 19:32
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Sample : I2501-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.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...	8.37	13.1	ng	1196530	2	7.39	1833200	20.0
Naphthalene, 2,6-...	9.02	8.3	ng	812709	3	9.53	1954140	20.0
Naphthalene, 2,3-...	9.12	10.5	ng	1024530	3	9.53	1954140	20.0
Benzene, [1-(2,4-...	10.29	5.8	ng	571419	3	9.53	1954140	20.0
1,1'-Biphenyl, 2-...	10.31	6.4	ng	622703	3	9.53	1954140	20.0
Dibenzofuran, 4-m...	10.40	9.6	ng	937914	3	9.53	1954140	20.0
5,12-Naphthacened...	15.47	18.6	ng	963367	6	16.26	1038840	20.0
9H-Fluorene, 9-(p...	15.67	16.6	ng	863677	6	16.26	1038840	20.0