

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101114.D
 Acq On : 5 Dec 2017 10:40
 Operator : SJ/JU
 Sample : I6696-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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	5.475	572	576	579	rBV	1294530	1185352	9.15%	0.811%
2	6.487	743	748	751	rBV	1147515	1223145	9.44%	0.837%
3	6.622	766	771	774	rBV	1425480	1257784	9.71%	0.860%
4	6.845	806	809	812	rBV	390098	320229	2.47%	0.219%
5	7.004	831	836	839	rBV	1161380	1020038	7.87%	0.698%
6	7.163	858	863	869	rVB	445454	391763	3.02%	0.268%
7	7.416	902	906	908	rVV	842048	792606	6.12%	0.542%
8	8.134	1025	1028	1029	rVV	403502	406713	3.14%	0.278%
9	8.151	1029	1031	1034	rVB	555778	417945	3.23%	0.286%
10	8.957	1161	1168	1170	rBV	2665497	3068854	23.68%	2.099%
11	9.210	1205	1211	1213	rBV	1507504	1488860	11.49%	1.018%
12	9.310	1221	1228	1231	rBV	1698171	1656352	12.78%	1.133%
13	9.410	1240	1245	1250	rVB	2251603	2717487	20.97%	1.859%
14	9.481	1250	1257	1260	rBV	1417014	2172871	16.77%	1.486%
15	9.557	1264	1270	1272	rVV	2274345	2957192	22.82%	2.022%
16	9.581	1272	1274	1276	rVV	1395088	982116	7.58%	0.672%
17	9.610	1276	1279	1283	rVB3	330792	381217	2.94%	0.261%
18	9.669	1284	1289	1297	rVB	1398743	1627870	12.56%	1.113%
19	9.757	1301	1304	1307	rVB2	1537398	1473088	11.37%	1.007%
20	9.881	1318	1325	1329	rBV2	1118235	1485797	11.47%	1.016%
21	9.945	1329	1336	1339	rVV2	3866300	5939785	45.84%	4.062%
22	9.992	1340	1344	1348	rVB	698289	847795	6.54%	0.580%
23	10.092	1357	1361	1365	rVV2	953778	990895	7.65%	0.678%
24	10.134	1365	1368	1371	rVB	764336	648200	5.00%	0.443%
25	10.204	1376	1380	1383	rBV2	1071874	1268781	9.79%	0.868%
26	10.233	1383	1385	1387	rVV	477167	445672	3.44%	0.305%
27	10.298	1391	1396	1398	rBV3	509158	793259	6.12%	0.543%
28	10.351	1402	1405	1407	rVB	1323253	1031134	7.96%	0.705%
29	10.398	1410	1413	1414	rVV2	377416	424419	3.28%	0.290%
30	10.416	1414	1416	1418	rVV	846921	689590	5.32%	0.472%
31	10.457	1418	1423	1426	rVB	3032221	3771039	29.10%	2.579%
32	10.492	1426	1429	1431	rBV2	500396	568497	4.39%	0.389%
33	10.528	1433	1435	1437	rVV	565290	471259	3.64%	0.322%
34	10.557	1437	1440	1442	rVV	1292407	1139356	8.79%	0.779%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
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Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.581	1442	1444	1449	rVV2	349282	729467	5.63%	0.499%
36	10.628	1449	1452	1454	rVB2	608048	585486	4.52%	0.400%
37	10.669	1454	1459	1465	rBV2	1454560	2341580	18.07%	1.601%
38	10.798	1476	1481	1484	rBV2	542558	622237	4.80%	0.426%
39	10.992	1509	1514	1517	rVV	1321168	1846451	14.25%	1.263%
40	11.022	1517	1519	1521	rVV	1047405	836405	6.45%	0.572%
41	11.075	1525	1528	1531	rVV2	927154	888790	6.86%	0.608%
42	11.139	1536	1539	1542	rVV3	380380	502144	3.88%	0.343%
43	11.192	1545	1548	1552	rVV	677271	689796	5.32%	0.472%
44	11.275	1558	1562	1570	rVB2	721720	1111793	8.58%	0.760%
45	11.451	1577	1592	1594	rBV	4719174	12957979	100.00%	8.862%
46	11.492	1594	1599	1602	rVV	3534101	4008827	30.94%	2.742%
47	11.539	1605	1607	1613	rVB4	164504	303726	2.34%	0.208%
48	11.616	1618	1620	1623	rVV2	211119	312128	2.41%	0.213%
49	11.680	1627	1631	1633	rVV	689997	748467	5.78%	0.512%
50	11.716	1633	1637	1643	rVV3	526622	799528	6.17%	0.547%
51	11.898	1663	1668	1670	rVV	2351446	3062789	23.64%	2.095%
52	11.933	1670	1674	1677	rVV	2763552	2892041	22.32%	1.978%
53	11.980	1677	1682	1684	rVV	1211510	1509698	11.65%	1.032%
54	12.022	1684	1689	1691	rVV2	3142653	4708380	36.34%	3.220%
55	12.039	1691	1692	1695	rVV	1988556	1441797	11.13%	0.986%
56	12.186	1710	1717	1720	rBV	1706791	1825881	14.09%	1.249%
57	12.327	1735	1741	1744	rBV	680136	748299	5.77%	0.512%
58	12.363	1744	1747	1749	rVB	554247	435228	3.36%	0.298%
59	12.386	1749	1751	1754	rVB	406990	344145	2.66%	0.235%
60	12.445	1754	1761	1764	rBV	1765557	2556512	19.73%	1.748%
61	12.486	1764	1768	1770	rVV2	988004	1545635	11.93%	1.057%
62	12.545	1773	1778	1781	rVB2	449079	795882	6.14%	0.544%
63	12.627	1785	1792	1794	rBV	3126454	5454954	42.10%	3.731%
64	12.716	1802	1807	1810	rVB	2012910	2156003	16.64%	1.475%
65	12.780	1813	1818	1824	rBV3	307092	536372	4.14%	0.367%
66	12.869	1824	1833	1835	rBV	3755860	7665924	59.16%	5.243%
67	12.886	1835	1836	1839	rVB2	432686	301761	2.33%	0.206%
68	12.969	1847	1850	1853	rVB	984452	947812	7.31%	0.648%
69	13.057	1860	1865	1870	rVB	906194	1351368	10.43%	0.924%
70	13.145	1875	1880	1881	rVV2	772098	1019717	7.87%	0.697%
71	13.169	1881	1884	1887	rVB	1426275	1646775	12.71%	1.126%

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

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72	13.233	1891	1895	1899	rVV	1230225	1372051	10.59%	0.938%
73	13.274	1899	1902	1908	rVB	1155033	1125993	8.69%	0.770%
74	13.339	1908	1913	1915	rBV	1053518	1225046	9.45%	0.838%
75	13.369	1915	1918	1920	rVV	965890	889775	6.87%	0.609%
76	13.398	1920	1923	1928	rVB	1370055	1393606	10.75%	0.953%
77	13.580	1952	1954	1960	rVB	303691	391860	3.02%	0.268%
78	13.645	1960	1965	1967	rBV2	291324	519077	4.01%	0.355%
79	13.810	1990	1993	1995	rVV	747144	674318	5.20%	0.461%
80	13.839	1995	1998	2004	rVV	471671	557348	4.30%	0.381%
81	14.033	2025	2031	2034	rBV2	2319769	3727146	28.76%	2.549%
82	14.069	2034	2037	2040	rVV	1885135	2159421	16.66%	1.477%
83	14.139	2047	2049	2054	rBV2	358064	387524	2.99%	0.265%
84	14.421	2091	2097	2100	rVV	780845	1130097	8.72%	0.773%
85	14.451	2100	2102	2105	rVV	410280	323936	2.50%	0.222%
86	14.498	2105	2110	2111	rVV2	296353	432203	3.34%	0.296%
87	14.516	2111	2113	2115	rVV	387978	359795	2.78%	0.246%
88	14.545	2115	2118	2119	rVV	364177	340824	2.63%	0.233%
89	14.569	2119	2122	2126	rVV2	507823	792424	6.12%	0.542%
90	14.968	2187	2190	2201	rVB4	159789	321339	2.48%	0.220%
91	15.086	2203	2210	2213	rBV	947061	1819745	14.04%	1.245%
92	15.192	2223	2228	2232	rVB	449298	553561	4.27%	0.379%
93	15.392	2256	2262	2267	rVB	859884	1217920	9.40%	0.833%
94	15.468	2267	2275	2278	rBV	1343644	2182916	16.85%	1.493%
95	15.545	2285	2288	2293	rVB2	331557	439306	3.39%	0.300%
96	15.874	2340	2344	2352	rVV2	175250	327127	2.52%	0.224%
97	16.086	2375	2380	2388	rVB	311070	529499	4.09%	0.362%
98	17.015	2528	2538	2542	rVB	507638	1058469	8.17%	0.724%
99	17.474	2605	2616	2623	rBV	421239	1059152	8.17%	0.724%
100	17.709	2647	2656	2665	rVB	267918	618800	4.78%	0.423%

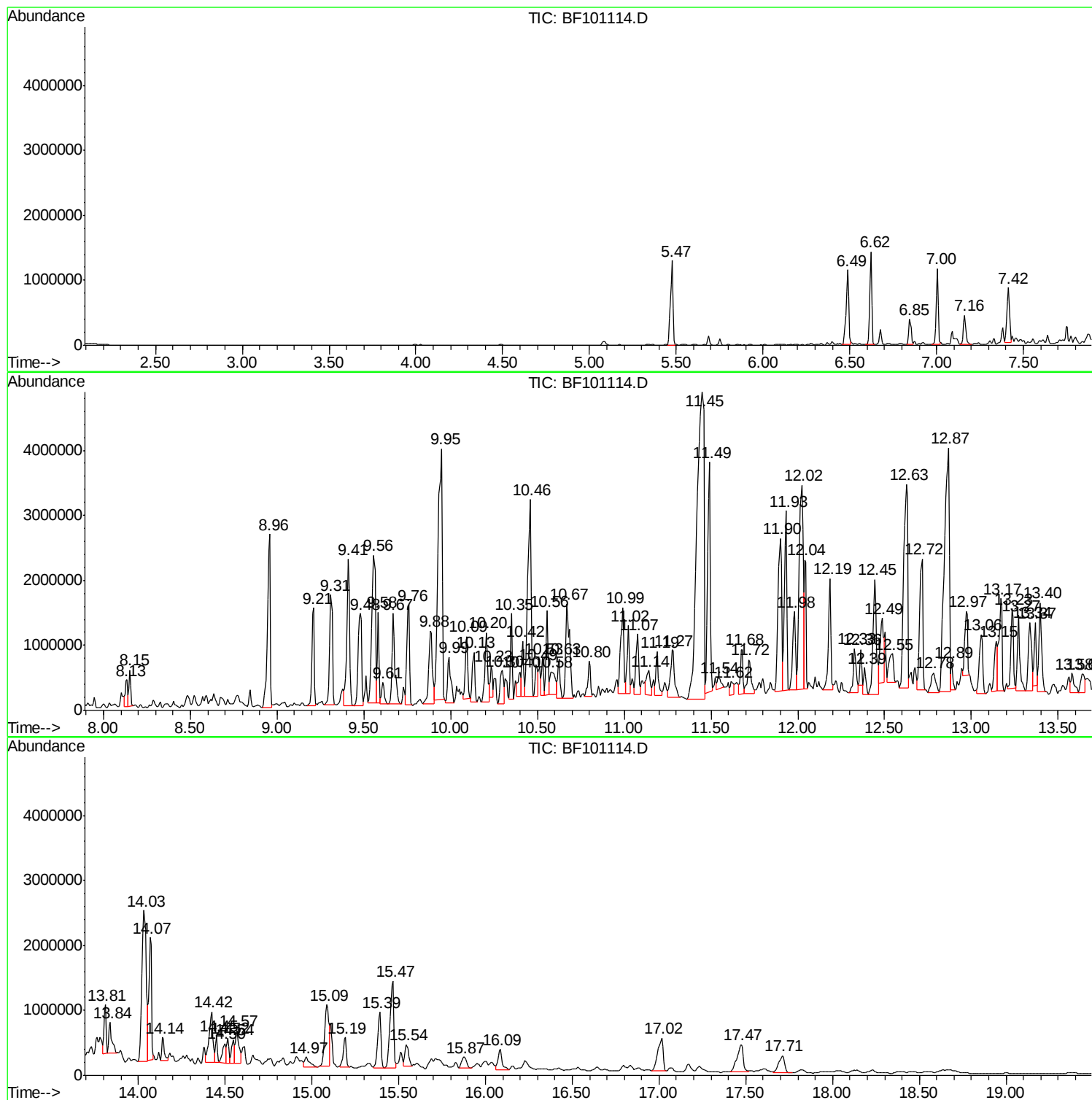
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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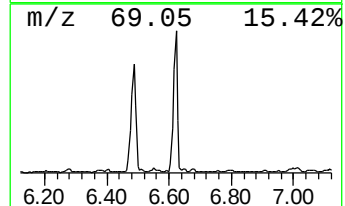
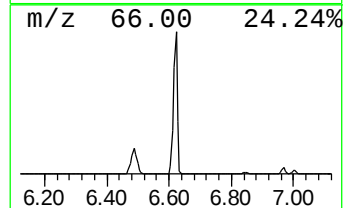
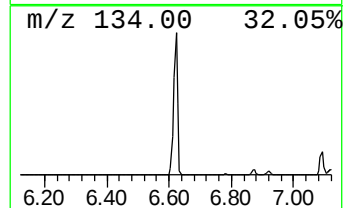
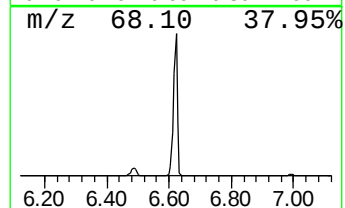
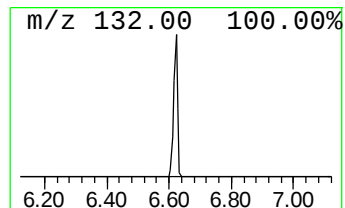
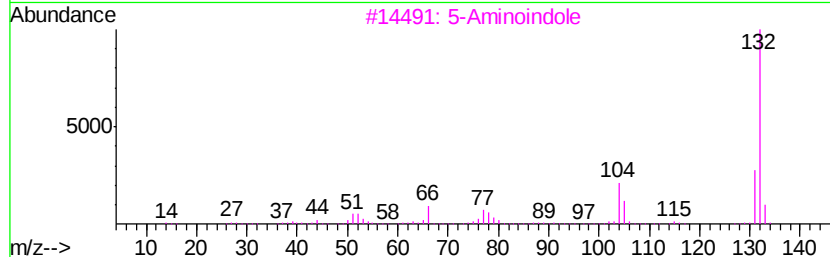
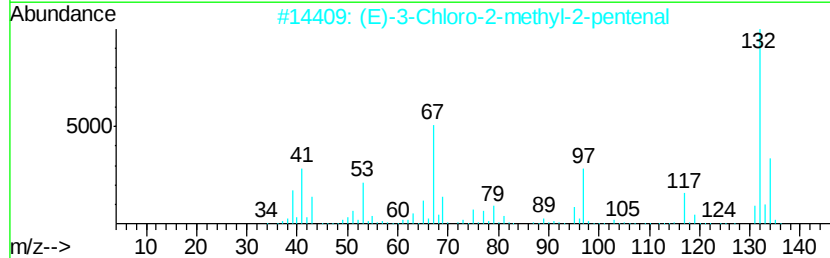
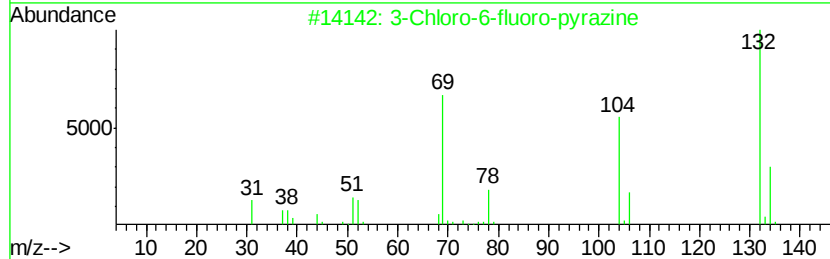
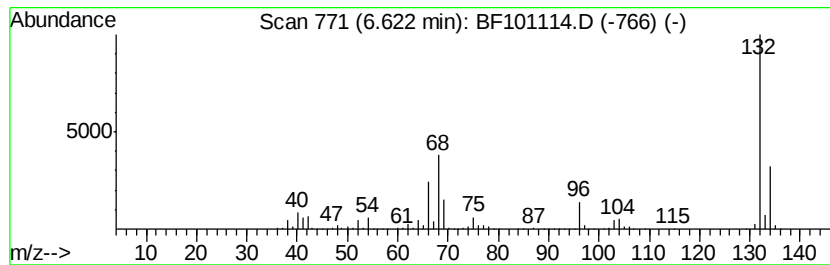
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	78.56 ng	1257780	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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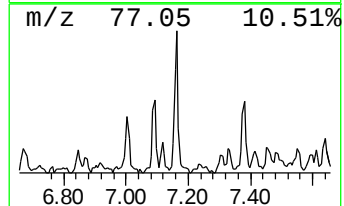
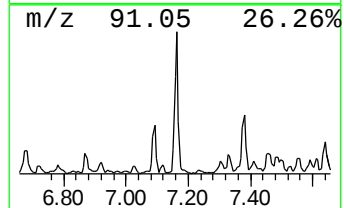
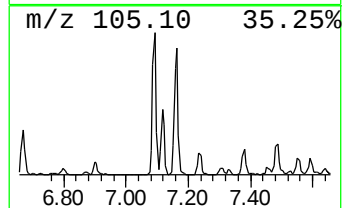
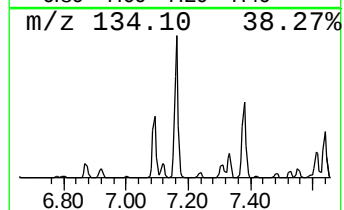
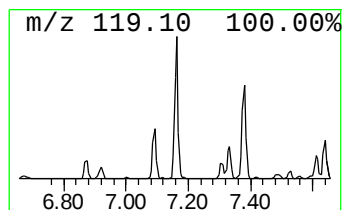
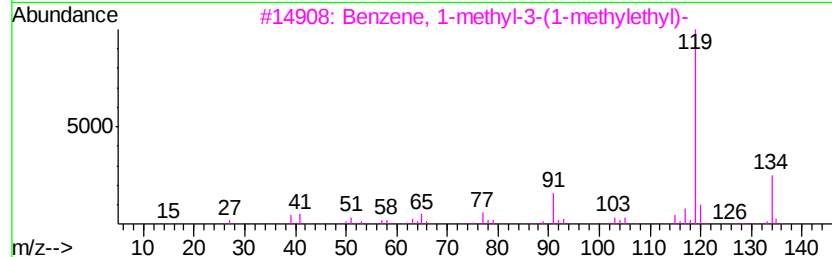
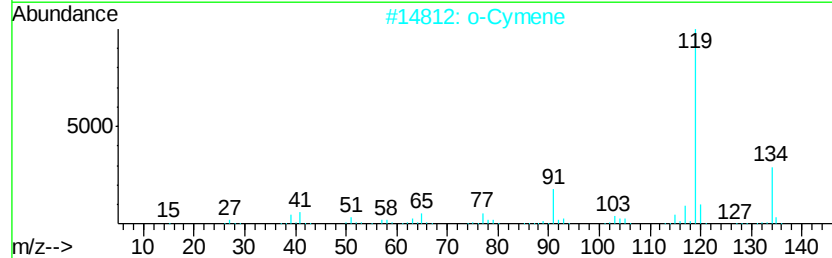
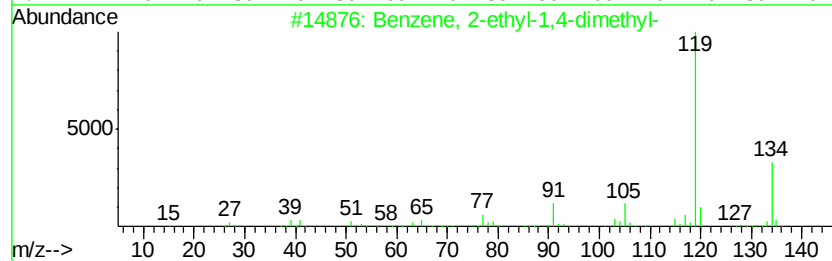
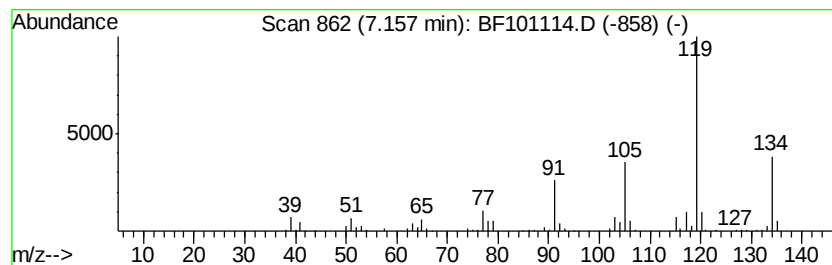
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	24.47 ng	391763	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	91
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90



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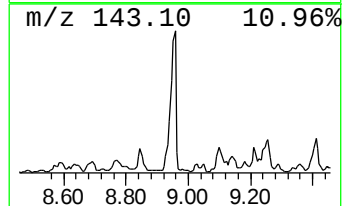
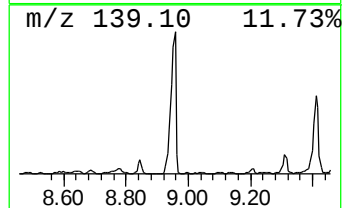
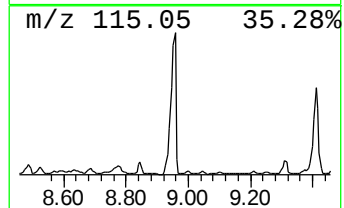
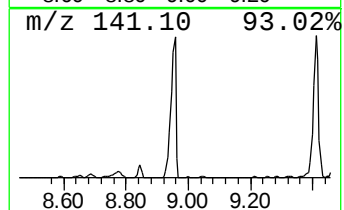
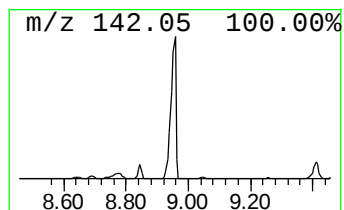
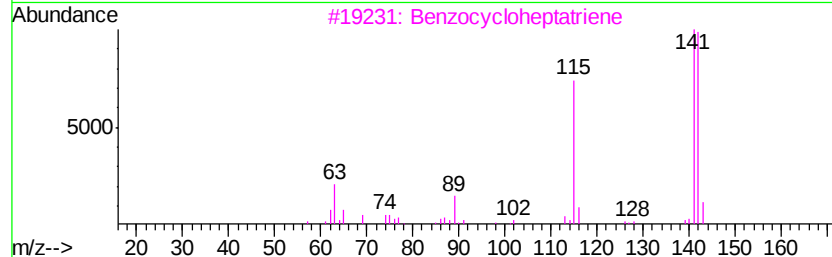
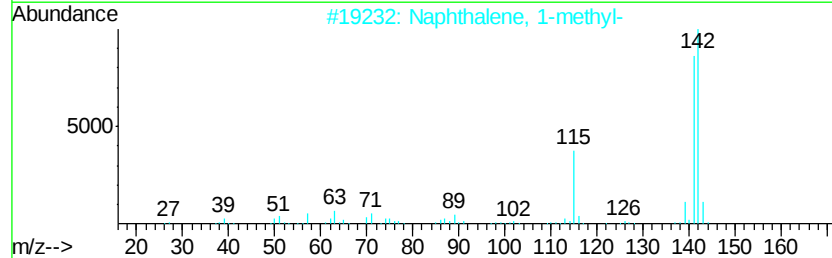
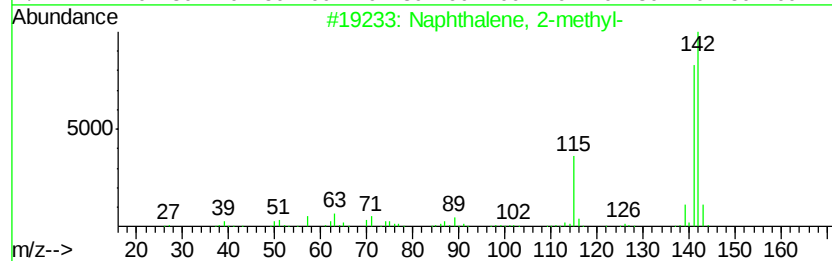
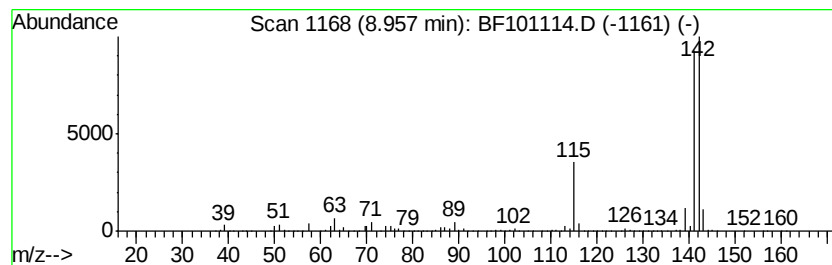
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	150.91 ng	3068850	Naphthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120517\
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Operator : SJ/JU
Sample : I6696-01
Misc :
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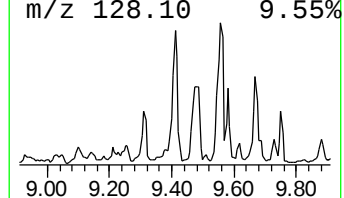
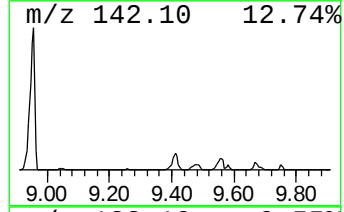
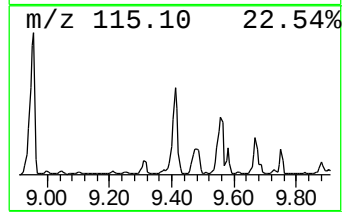
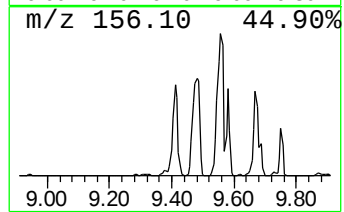
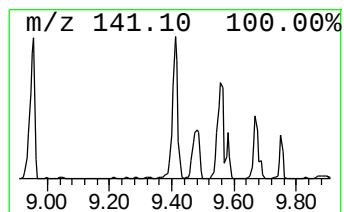
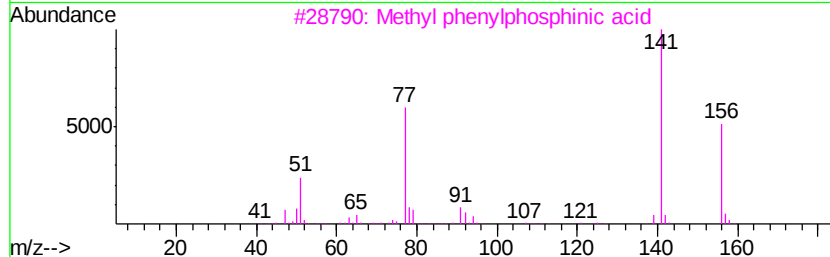
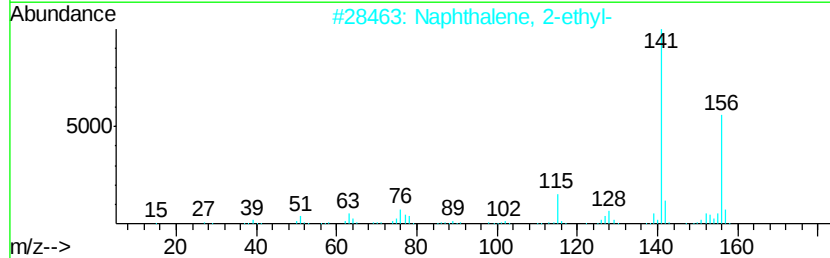
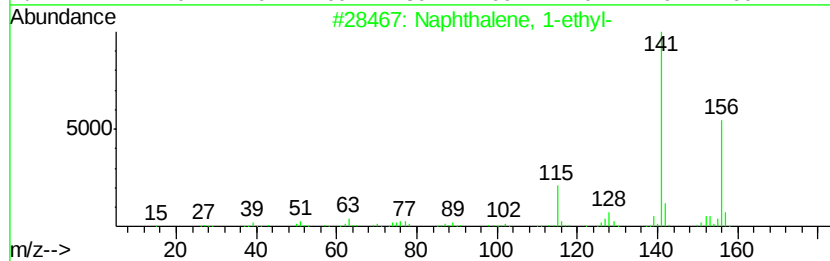
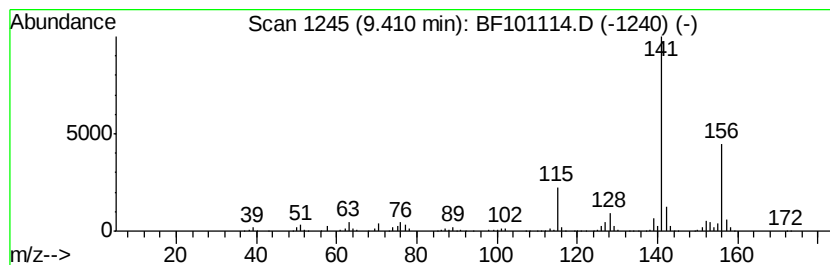
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.41	36.58 ng	2717490	Acenaphthene-d10	9.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	53
5	1-Ethanone, 1-[4-(1-naphthalenyl)...]	276	C19H16O2	1000338-30-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120517\
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ClientSampleId :
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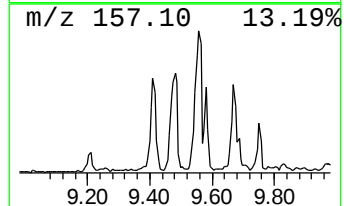
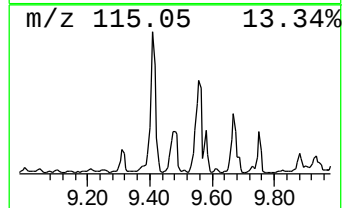
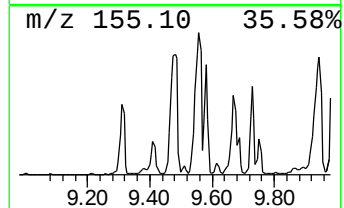
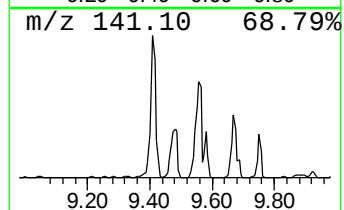
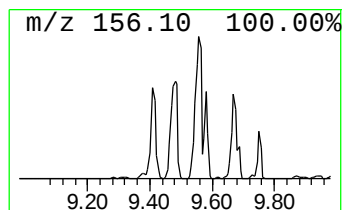
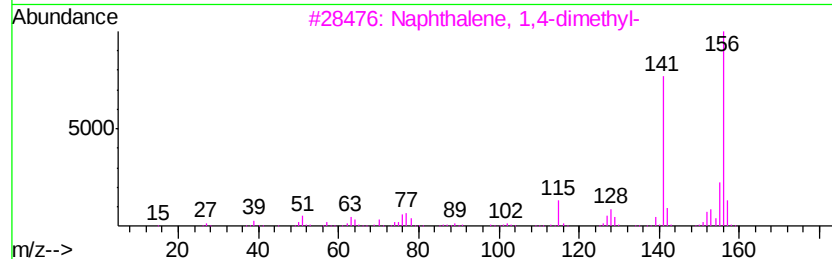
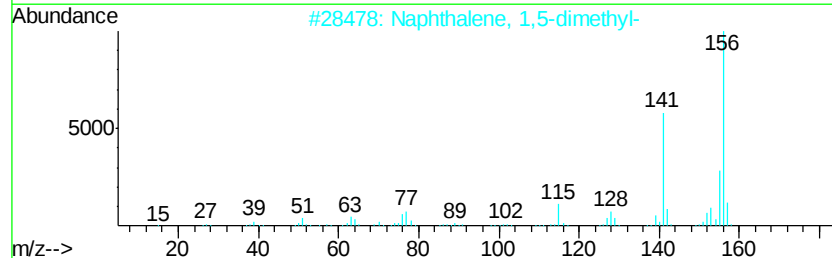
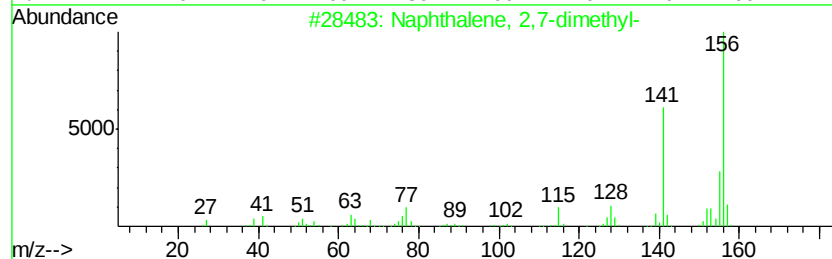
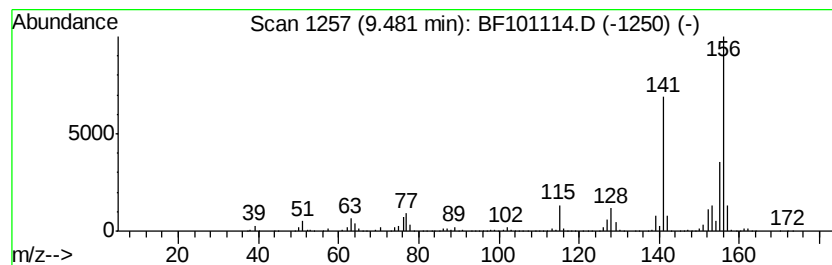
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	29.25 ng	2172870	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101114.D
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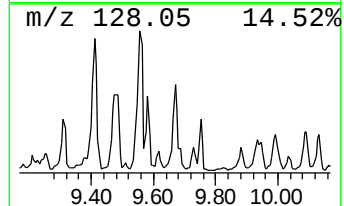
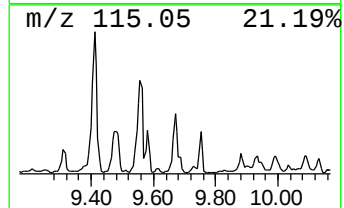
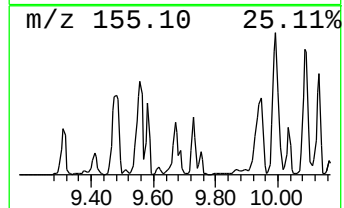
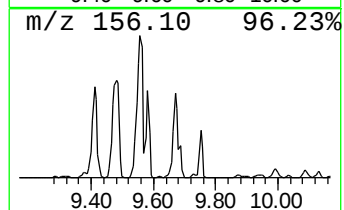
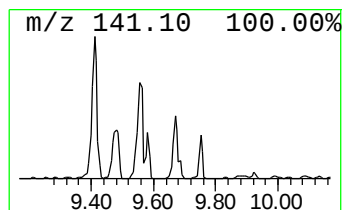
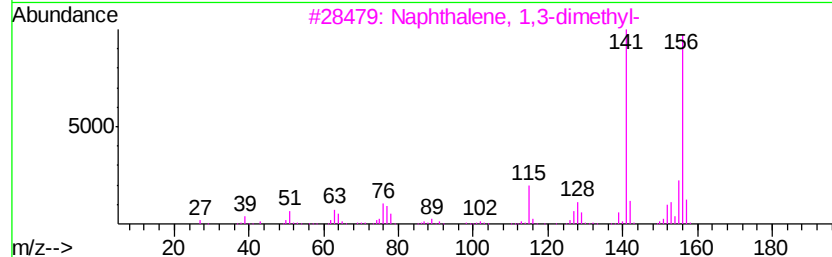
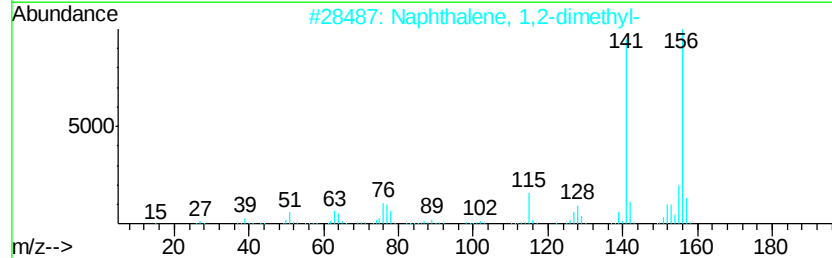
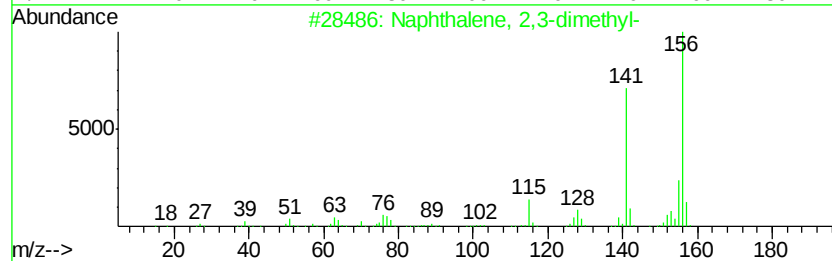
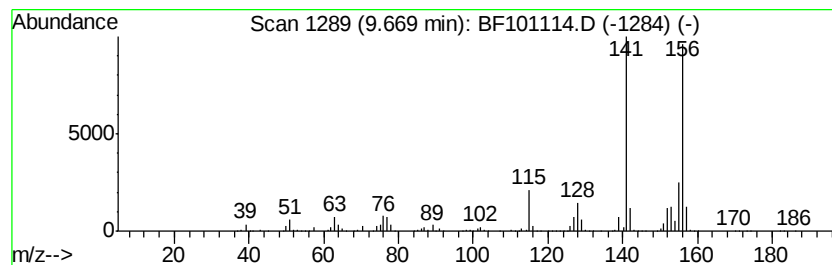
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	21.91 ng	1627870	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101114.D
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ALS Vial : 3 Sample Multiplier: 1

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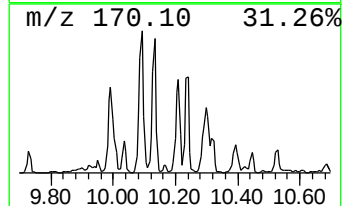
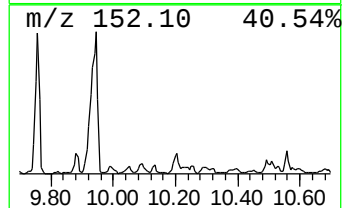
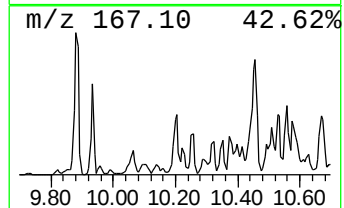
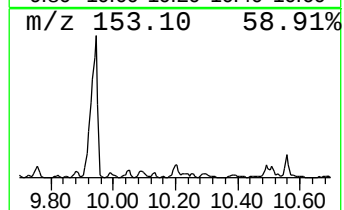
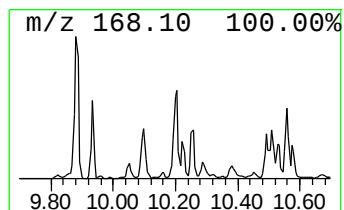
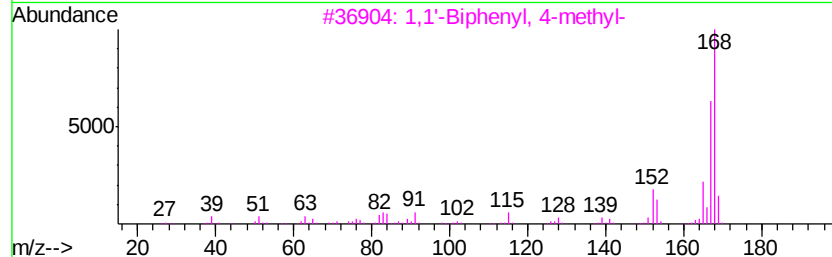
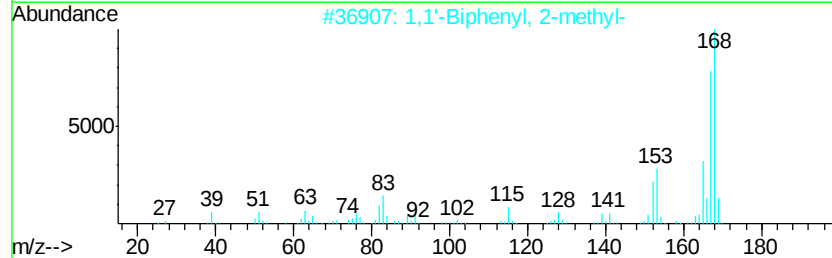
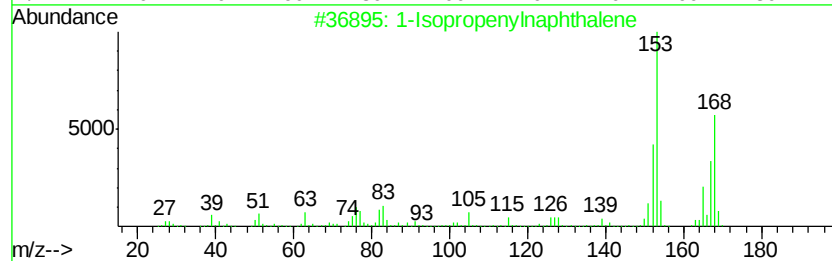
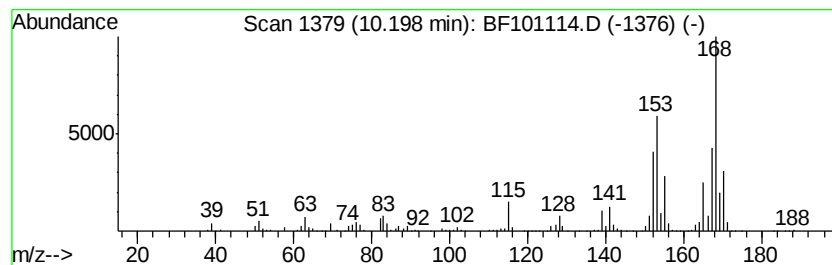
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown10.20 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	17.08 ng	1268780	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	45
2		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
3		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	41
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	38
5		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
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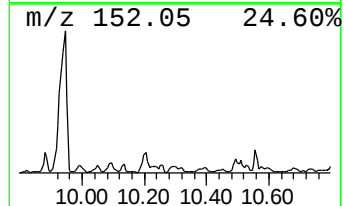
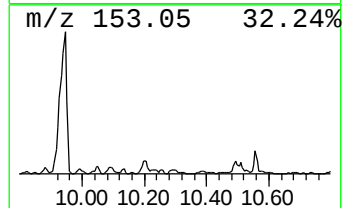
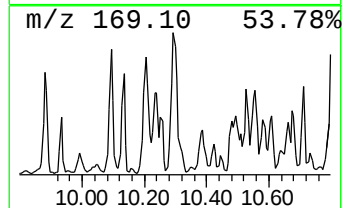
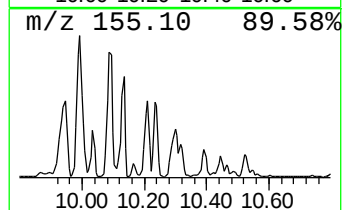
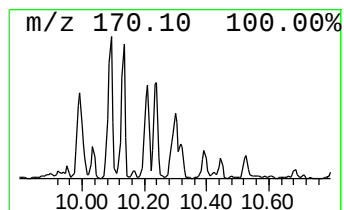
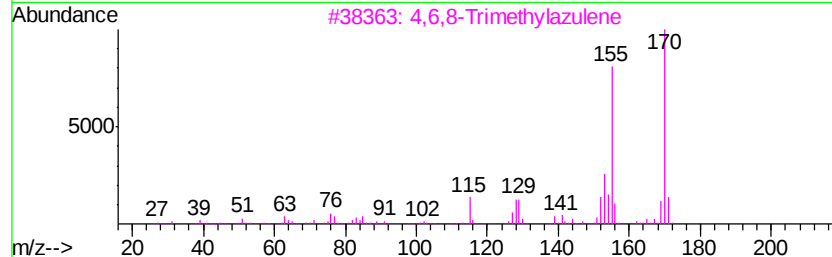
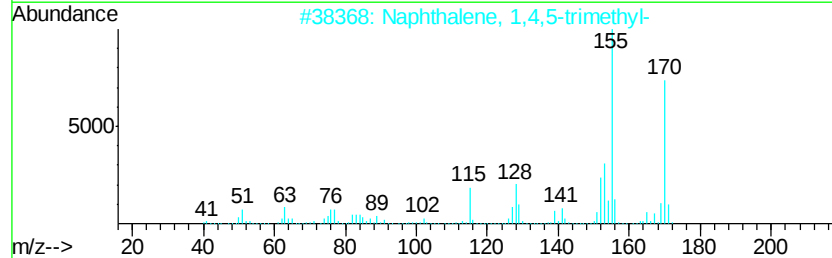
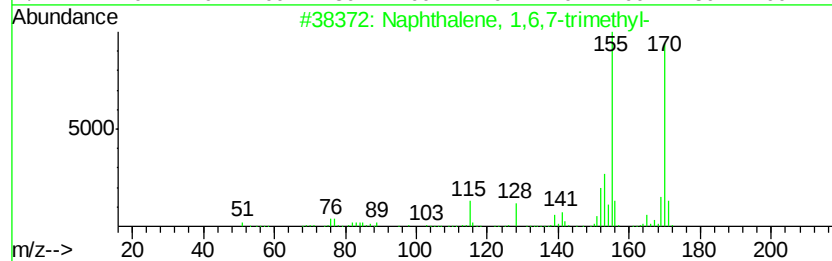
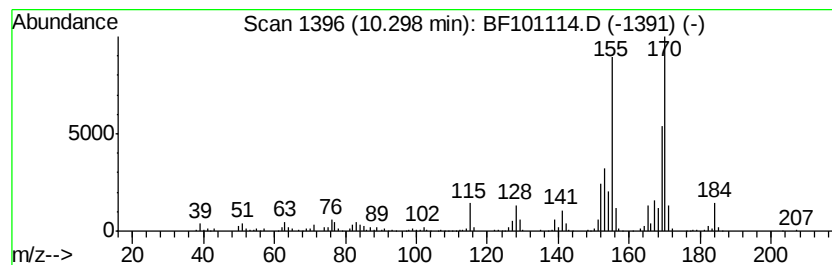
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	10.68 ng	793259	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
3		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
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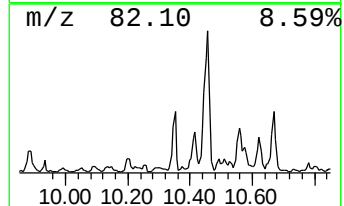
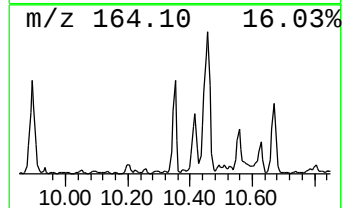
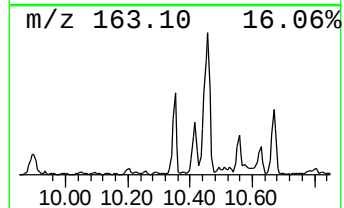
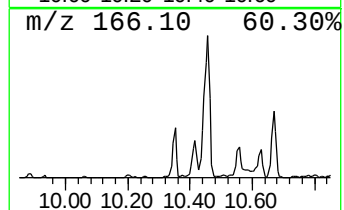
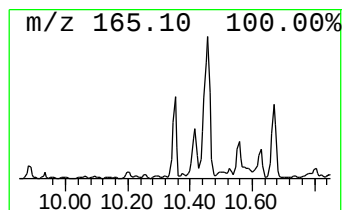
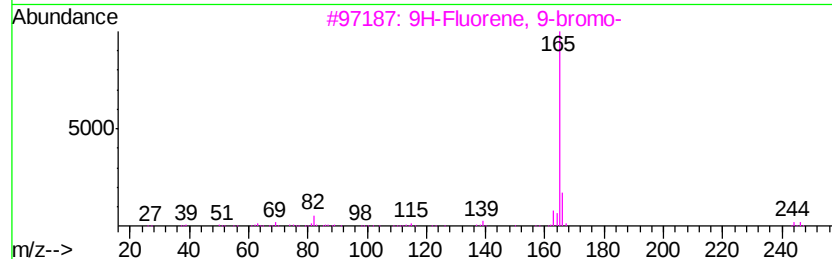
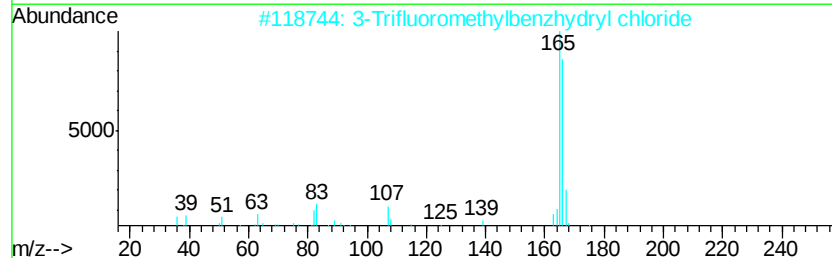
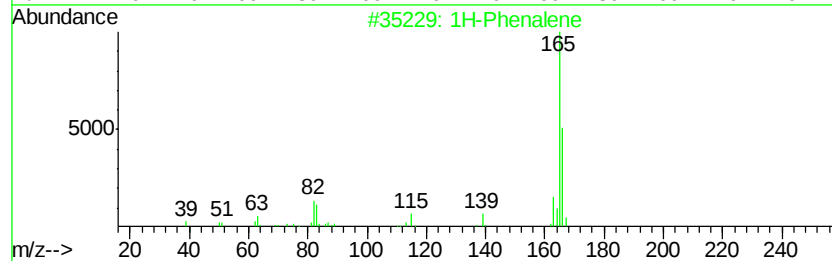
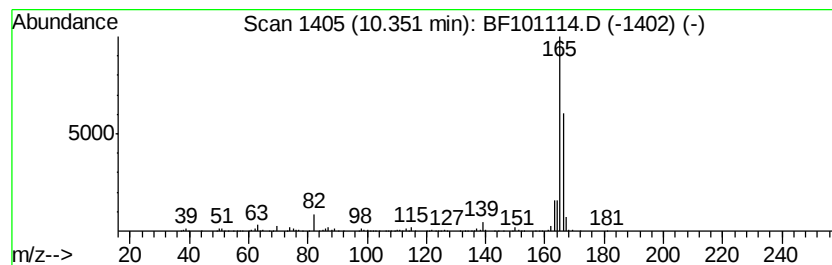
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Phenalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	13.88 ng	1031130	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Phenalene		166 C13H10	000203-80-5 78
2	3-Trifluoromethylbenzhdyryl chlo...		270 C14H10ClF3	067240-79-3 56
3	9H-Fluorene, 9-bromo-		244 C13H9Br	001940-57-4 53
4	Fluorene		166 C13H10	000086-73-7 52
5	Fluorene, 9-benzenesulfonyl-		306 C19H14O2S	022010-78-2 33



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
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Sample : I6696-01
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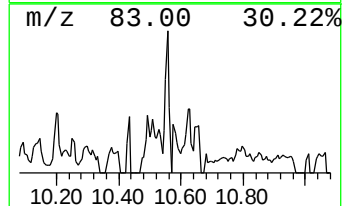
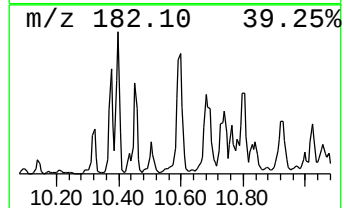
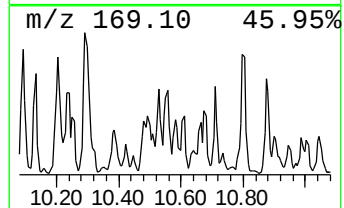
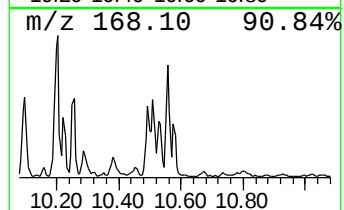
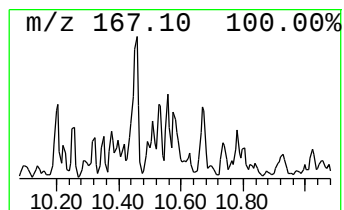
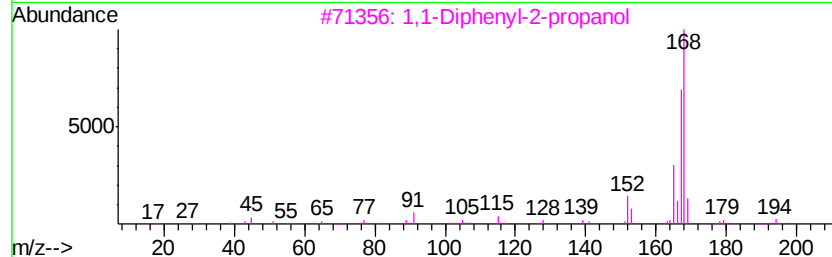
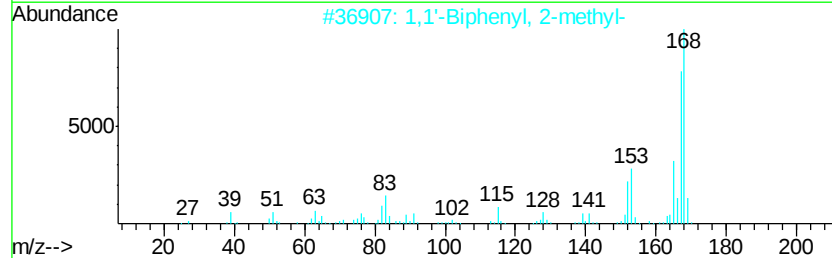
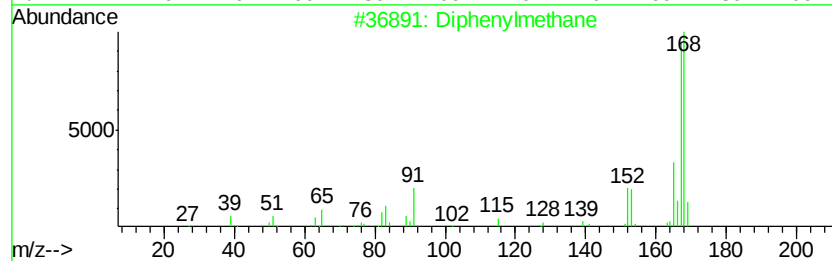
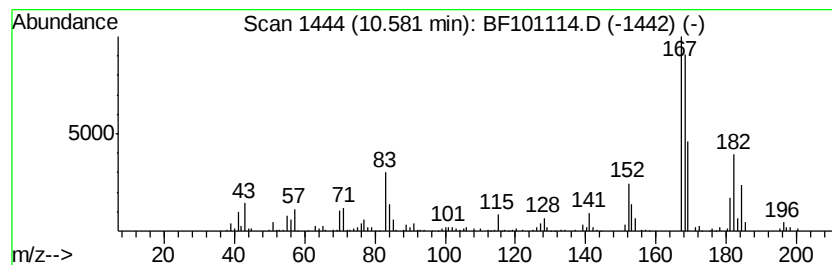
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ClientSampleId :
CS-TP102-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown10.58 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	9.82 ng	729467	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Diphenylmethane	168 C13H12	000101-81-5 47
2		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 43
3		1,1-Diphenyl-2-propanol	212 C15H16O	029338-49-6 38
4		1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6 38
5		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101114.D
Acq On : 5 Dec 2017 10:40
Operator : SJ/JU
Sample : I6696-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-TP102-A

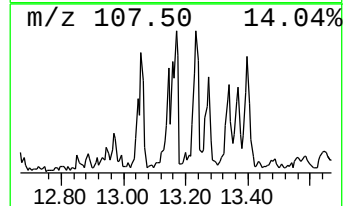
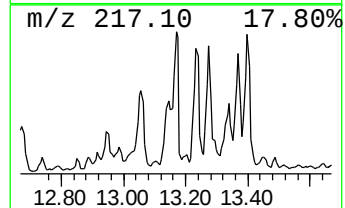
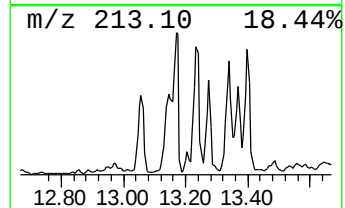
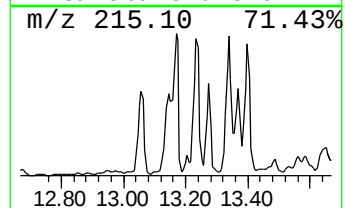
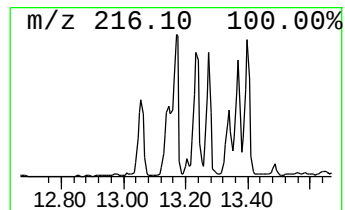
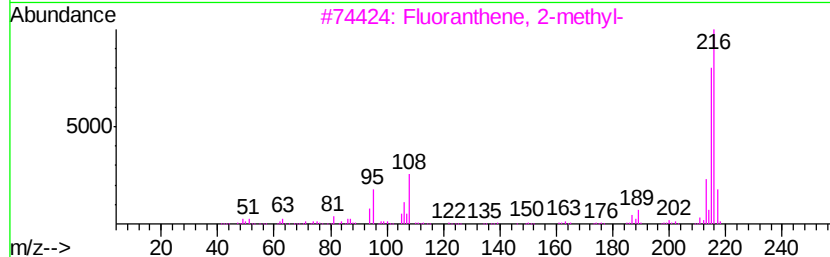
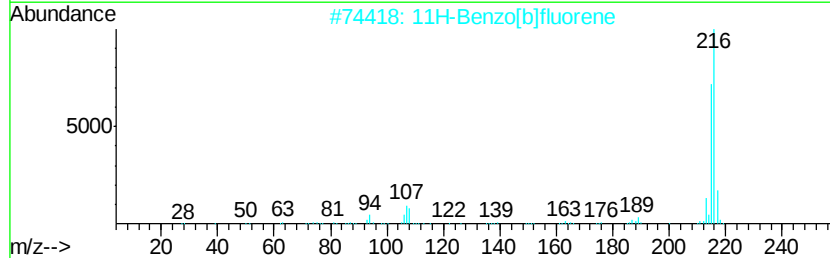
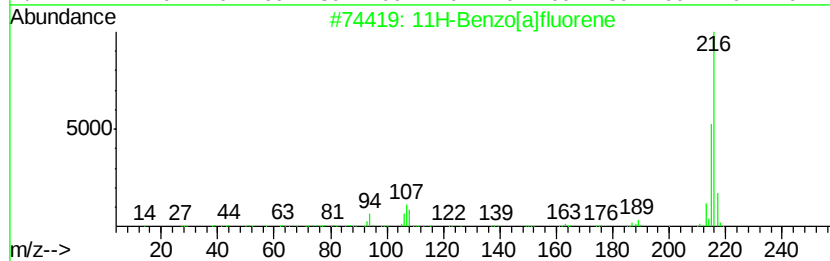
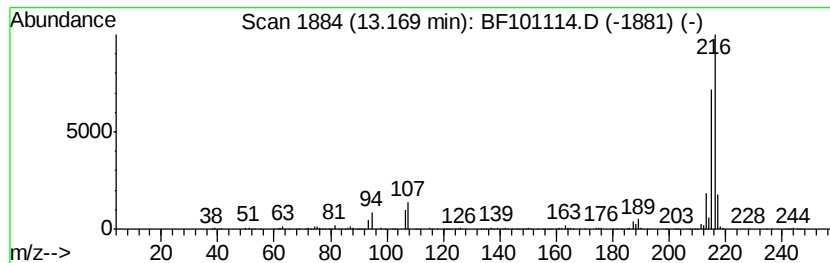
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	8.84 ng	1646780	Chrysene-d12	14.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120517\
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Acq On : 5 Dec 2017 10:40
Operator : SJ/JU
Sample : I6696-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

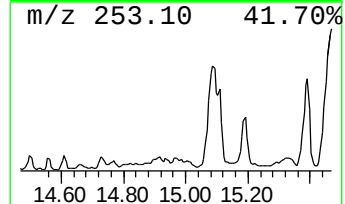
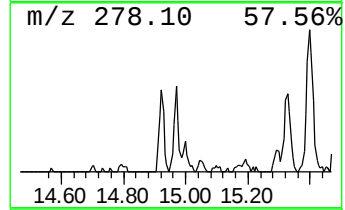
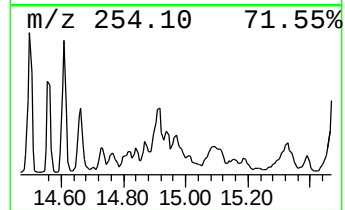
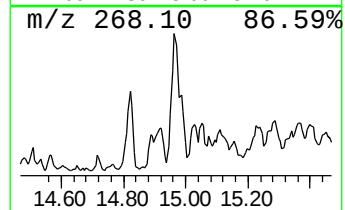
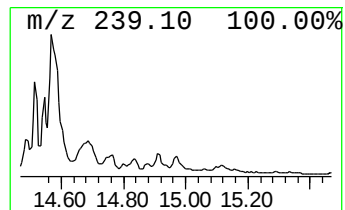
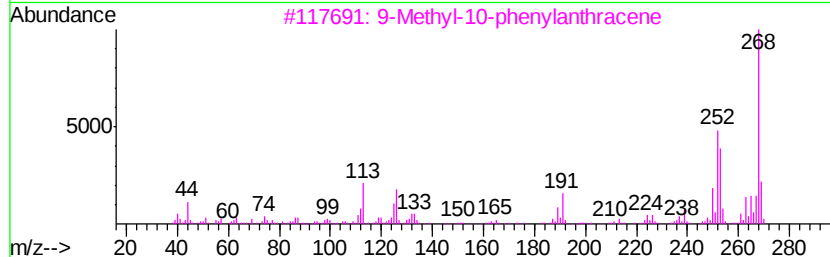
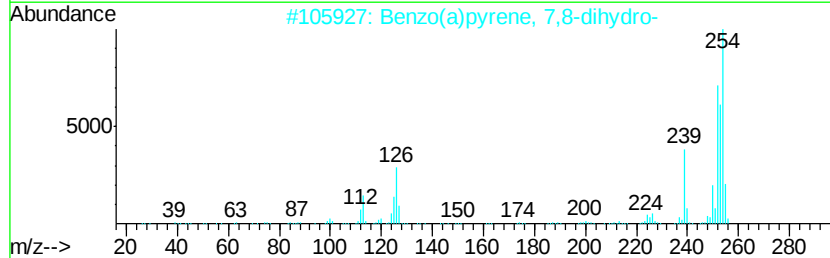
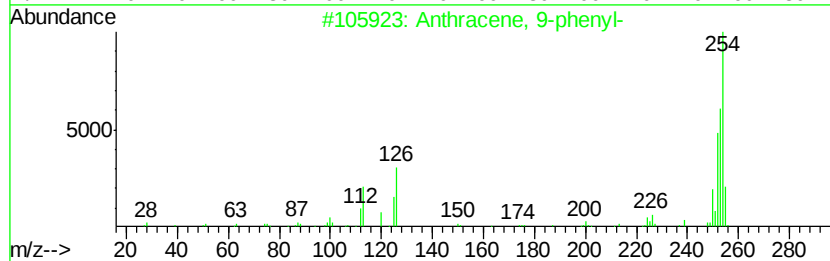
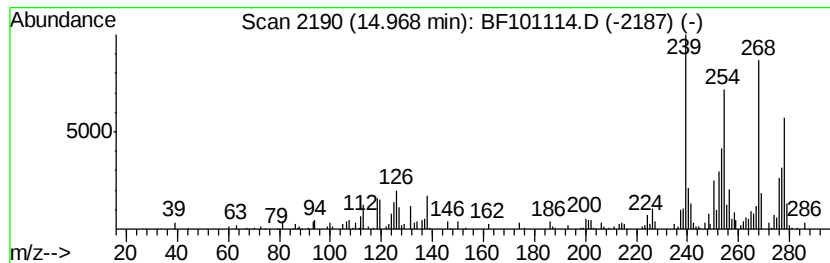
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 9-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	14.63 ng	321339	Perylene-d12	15.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Anthracene, 9-phenyl-	254 C20H14	000602-55-1 56
2		Benzo(a)pyrene, 7,8-dihydro-	254 C20H14	017573-23-8 56
3		9-Methyl-10-phenylanthracene	268 C21H16	013425-08-6 49
4		2-Chloro-6-methyl-4-phenyl-quinol...	254 C15H11ClN2	1000317-62-9 38
5		2-Hydroxy-4,5-methylenedioxy-2-(...	268 C16H12O4	1000284-51-7 38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101114.D
Acq On : 5 Dec 2017 10:40
Operator : SJ/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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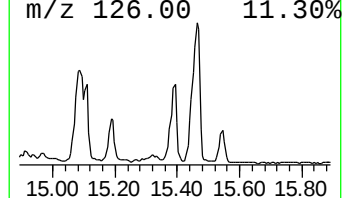
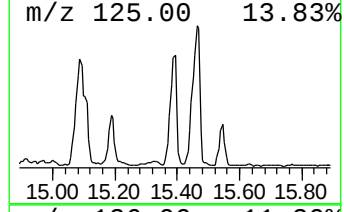
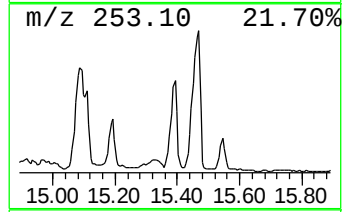
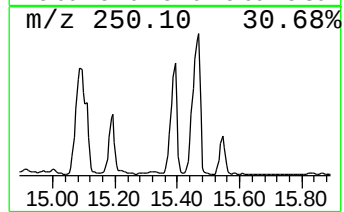
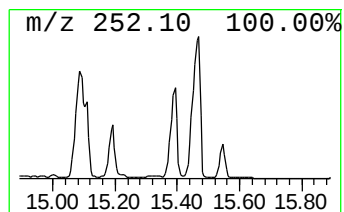
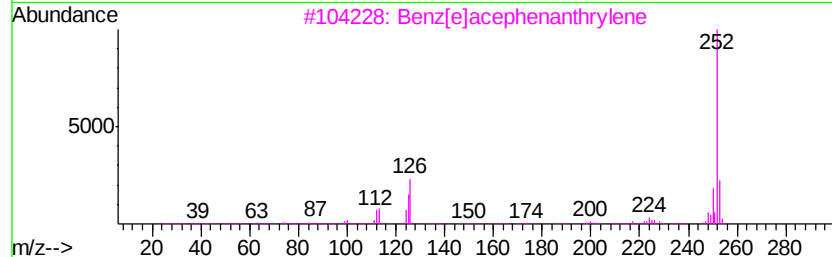
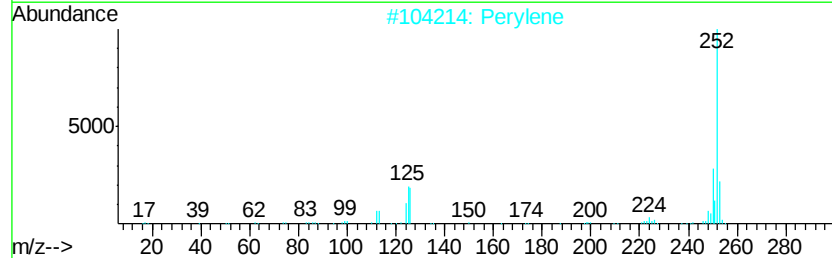
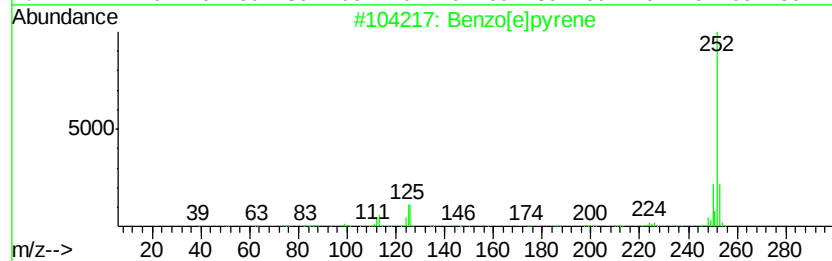
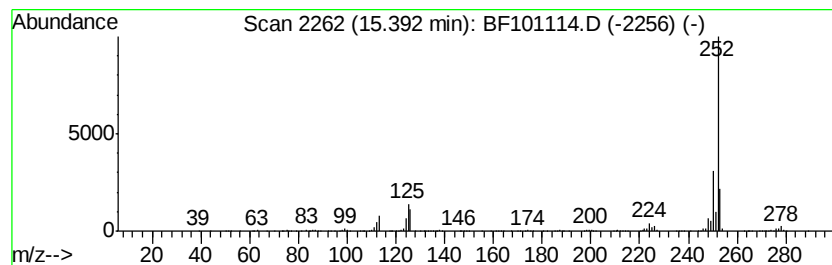
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	55.45 ng	1217920	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101114.D
Acq On : 5 Dec 2017 10:40
Operator : SJ/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CS-TP102-A

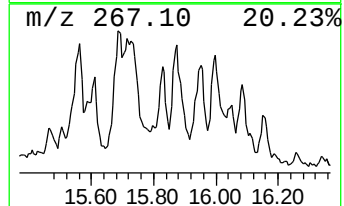
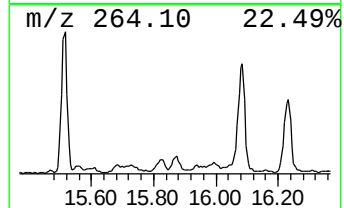
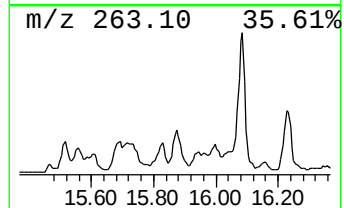
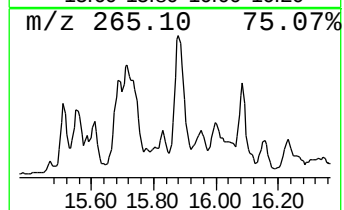
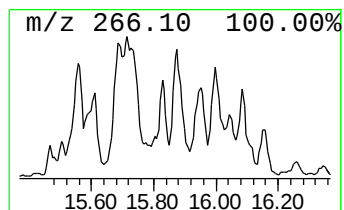
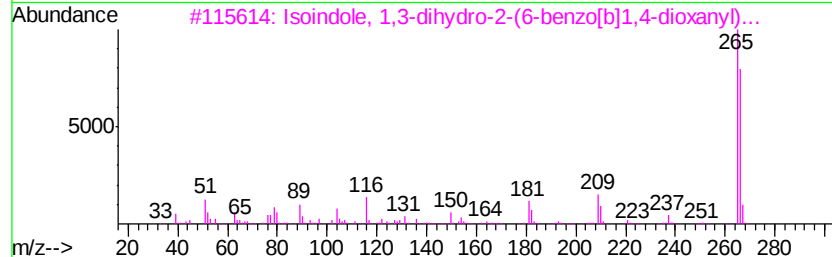
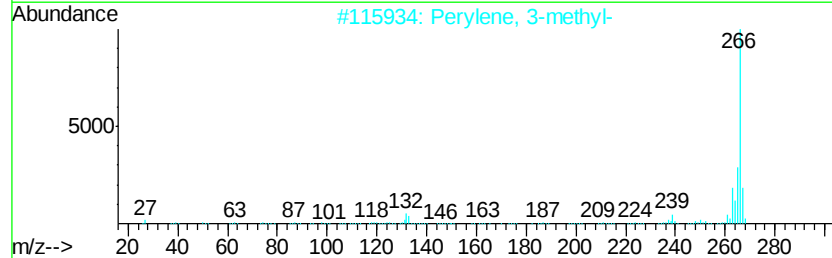
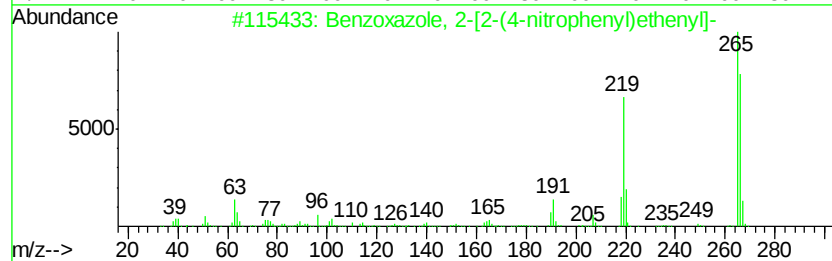
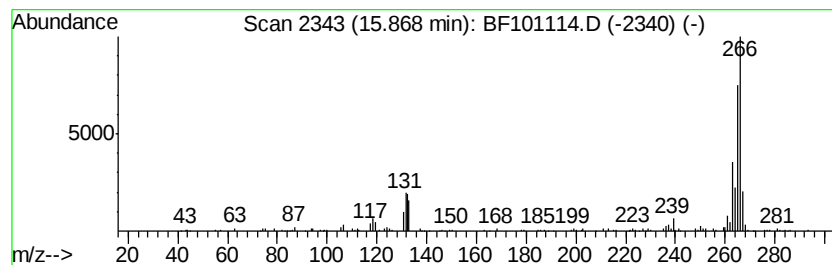
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzoxazole, 2-[2-(4-nitrop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	14.89 ng	327127	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoxazole, 2-[2-(4-nitrophenyl)ethenyl]-	266	C15H10N2O3	073916-04-8	50
2		Perylene, 3-methyl-	266	C21H14	024471-47-4	50
3		Isoindole, 1,3-dihydro-2-(6-benzoxa[1,4-dioxany])-	266	C16H14N2O2	312914-52-6	50
4		2-Amino-3-cyano-5-[2-[3,4-methylendioxyphenyl]ethyl]-	266	C14H10N4O2	1000252-72-1	50
5		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101114.D
Acq On : 5 Dec 2017 10:40
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ALS Vial : 3 Sample Multiplier: 1

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CS-TP102-A

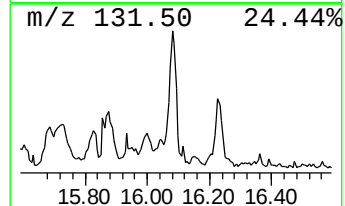
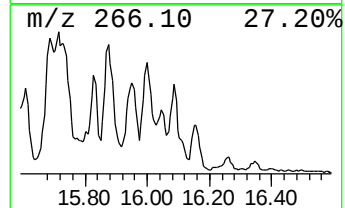
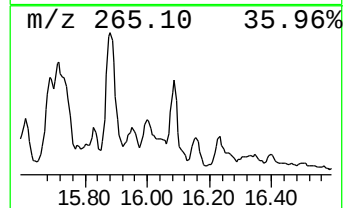
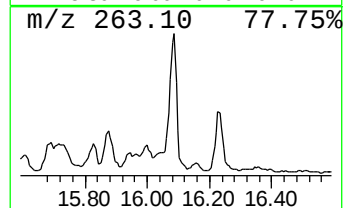
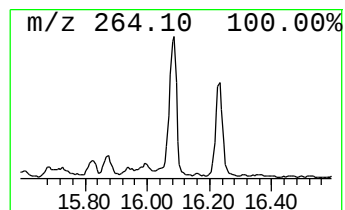
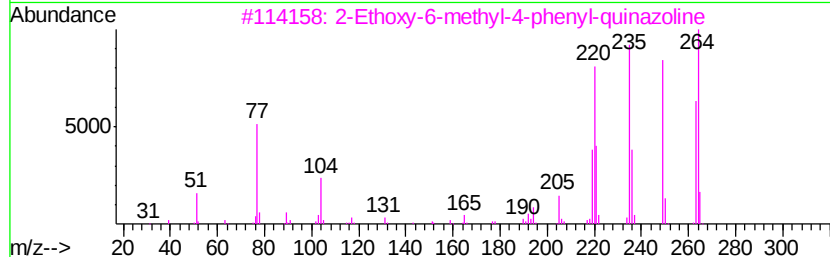
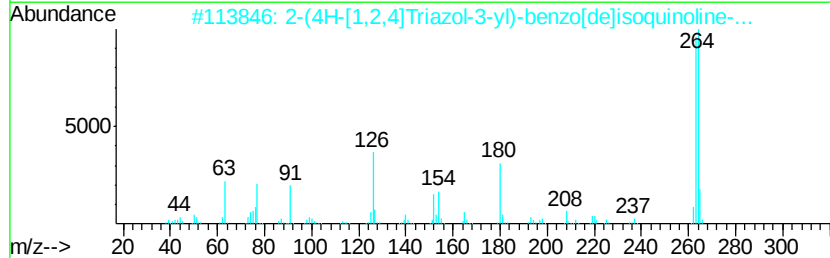
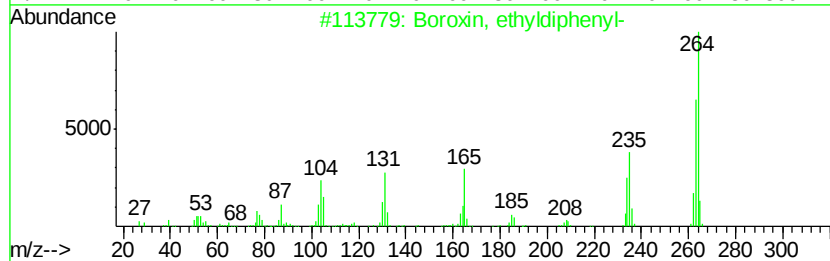
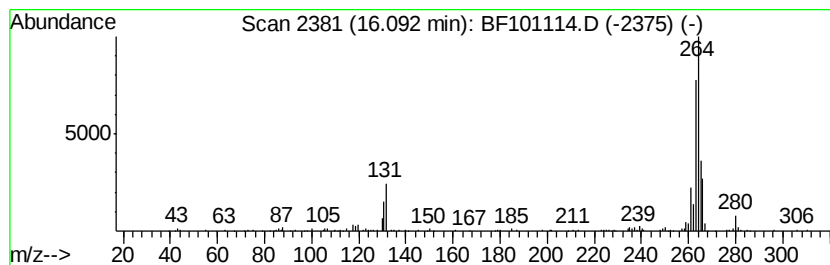
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Boroxin, ethyldiphenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	24.11 ng	529499	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2		2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
3		2-Ethoxy-6-methyl-4-phenyl-quinaz...	264	C17H16N2O	1000318-42-5	49
4		Quinoline, 2-[2-(4-chlorophenyl)...]	265	C17H12ClN	005392-19-8	35
5		2-Bromo-5-fluorobenzyl alcohol, ...	318	C13H20BrFOSi	1000364-15-6	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120517\
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 Acq On : 5 Dec 2017 10:40
 Operator : SJ/JU
 Sample : I6696-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.62	6.62	78.6	ng	1257780	1	6.85	320229	20.0
Benzene, 2-ethyl-...	7.16	24.5	ng	391763	1	6.85	320229	20.0
Naphthalene, 2-me...	8.96	150.9	ng	3068850	2	8.13	406713	20.0
Naphthalene, 1-et...	9.41	36.6	ng	2717490	3	9.89	1485800	20.0
Naphthalene, 2,7-...	9.48	29.3	ng	2172870	3	9.89	1485800	20.0
Naphthalene, 2,3-...	9.67	21.9	ng	1627870	3	9.89	1485800	20.0
unknown10.20	10.20	17.1	ng	1268780	3	9.89	1485800	20.0
Naphthalene, 1,6,...	10.30	10.7	ng	793259	3	9.89	1485800	20.0
1H-Phenalene	10.35	13.9	ng	1031130	3	9.89	1485800	20.0
unknown10.58	10.58	9.8	ng	729467	3	9.89	1485800	20.0
11H-Benzo[a]fluorene	13.17	8.8	ng	1646780	5	14.05	3727150	20.0
Anthracene, 9-phe...	14.97	14.6	ng	321339	6	15.52	439306	20.0
Benzo[e]pyrene	15.39	55.5	ng	1217920	6	15.52	439306	20.0
Benzoxazole, 2-[2...	15.87	14.9	ng	327127	6	15.52	439306	20.0
Boroxin, ethyldip...	16.09	24.1	ng	529499	6	15.52	439306	20.0