

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
 Data File : BF097036.D
 Acq On : 25 Jul 2017 18:35
 Operator : SJ/JU
 Sample : I4369-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20170720

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-BF072517.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	4.645	465	469	477	rBV	276965	340813	11.25%	1.082%
2	5.104	543	547	557	rBV	619764	668833	22.09%	2.123%
3	6.098	713	716	722	rBV	65074	55608	1.84%	0.177%
4	6.157	722	726	738	rBV	488769	554605	18.31%	1.761%
5	6.269	741	745	749	rVV	1578987	1431206	47.26%	4.544%
6	6.322	752	754	758	rVB	87978	74352	2.46%	0.236%
7	6.457	770	777	780	rBV	121668	125756	4.15%	0.399%
8	6.498	780	784	788	rBV	849988	823527	27.20%	2.615%
9	6.651	806	810	819	rBV	2291628	2306119	76.16%	7.322%
10	6.786	830	833	837	rVB	54198	49180	1.62%	0.156%
11	6.828	837	840	848	rVB	121879	132571	4.38%	0.421%
12	6.975	862	865	867	rBV	49597	41971	1.39%	0.133%
13	7.063	872	880	890	rBV	1953581	2469763	81.56%	7.841%
14	7.157	890	896	899	rBV3	81984	93829	3.10%	0.298%
15	7.281	910	917	918	rBV3	62050	78212	2.58%	0.248%
16	7.304	918	921	925	rVB	207108	179498	5.93%	0.570%
17	7.439	939	944	946	rBV2	91317	134123	4.43%	0.426%
18	7.522	953	958	962	rBV3	165175	206015	6.80%	0.654%
19	7.563	962	965	968	rVB	47110	43554	1.44%	0.138%
20	7.598	968	971	973	rBV2	48424	51971	1.72%	0.165%
21	7.663	978	982	985	rVB	40568	43572	1.44%	0.138%
22	7.751	993	997	998	rVV2	70338	98170	3.24%	0.312%
23	7.780	998	1002	1005	rVV	1274467	1286063	42.47%	4.083%
24	7.810	1005	1007	1008	rVV2	116434	111191	3.67%	0.353%
25	7.851	1008	1014	1017	rVV2	340479	536925	17.73%	1.705%
26	7.880	1017	1019	1023	rVB	69311	59101	1.95%	0.188%
27	7.980	1032	1036	1040	rBV4	90728	102588	3.39%	0.326%
28	8.028	1040	1044	1046	rVV2	72015	72746	2.40%	0.231%
29	8.063	1046	1050	1052	rVV2	54725	57103	1.89%	0.181%
30	8.092	1052	1055	1057	rVV	37685	38803	1.28%	0.123%
31	8.169	1064	1068	1072	rVB	148422	163373	5.40%	0.519%
32	8.251	1075	1082	1085	rBV2	129466	173725	5.74%	0.552%
33	8.286	1085	1088	1094	rVV2	178699	206108	6.81%	0.654%
34	8.333	1094	1096	1100	rVV2	43982	61223	2.02%	0.194%

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Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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35	8.375	1100	1103	1107	rVV2	98269	132455	4.37%	0.421%
36	8.416	1107	1110	1112	rVV2	80670	120686	3.99%	0.383%
37	8.445	1112	1115	1117	rVV2	241960	227418	7.51%	0.722%
38	8.480	1117	1121	1126	rVV3	61761	104415	3.45%	0.332%
39	8.586	1134	1139	1144	rBV4	336696	515215	17.01%	1.636%
40	8.627	1144	1146	1151	rVB2	116353	140877	4.65%	0.447%
41	8.686	1151	1156	1157	rBV4	54046	68552	2.26%	0.218%
42	8.722	1160	1162	1168	rVB3	48383	75224	2.48%	0.239%
43	8.863	1180	1186	1189	rVB	2706220	3028182	100.00%	9.614%
44	8.957	1197	1202	1204	rBV	394228	398583	13.16%	1.265%
45	8.975	1204	1205	1208	rVV2	205459	156471	5.17%	0.497%
46	9.004	1208	1210	1212	rVV	117611	119121	3.93%	0.378%
47	9.027	1212	1214	1217	rVV3	110937	152164	5.02%	0.483%
48	9.063	1217	1220	1222	rVV	120542	122824	4.06%	0.390%
49	9.116	1224	1229	1233	rVV2	173768	227495	7.51%	0.722%
50	9.192	1237	1242	1244	rVV2	318738	380695	12.57%	1.209%
51	9.216	1244	1246	1250	rVV4	196285	256192	8.46%	0.813%
52	9.257	1250	1253	1258	rVV2	132564	173703	5.74%	0.551%
53	9.304	1258	1261	1266	rVB	166319	209558	6.92%	0.665%
54	9.386	1271	1275	1278	rVV2	74581	69987	2.31%	0.222%
55	9.439	1280	1284	1289	rVB6	30246	39209	1.29%	0.124%
56	9.527	1293	1299	1302	rVV	1125958	1174122	38.77%	3.728%
57	9.569	1302	1306	1312	rVV5	132382	251325	8.30%	0.798%
58	9.633	1314	1317	1321	rVV2	130554	163556	5.40%	0.519%
59	9.680	1321	1325	1328	rVV3	111665	162795	5.38%	0.517%
60	9.727	1330	1333	1337	rVV	253583	300900	9.94%	0.955%
61	9.774	1337	1341	1344	rVB2	89556	111431	3.68%	0.354%
62	9.845	1349	1353	1356	rBV2	122307	138190	4.56%	0.439%
63	9.951	1369	1371	1374	rVB3	54213	50014	1.65%	0.159%
64	10.027	1379	1384	1387	rVV5	77693	124188	4.10%	0.394%
65	10.069	1387	1391	1393	rVV2	107308	113141	3.74%	0.359%
66	10.092	1393	1395	1398	rVV2	56063	67859	2.24%	0.215%
67	10.133	1398	1402	1404	rVV	290122	294285	9.72%	0.934%
68	10.151	1404	1405	1409	rVV2	102213	133399	4.41%	0.424%
69	10.198	1409	1413	1415	rVV5	84786	142994	4.72%	0.454%
70	10.227	1415	1418	1422	rVV	139055	182180	6.02%	0.578%
71	10.269	1422	1425	1428	rVV3	38963	57433	1.90%	0.182%

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72	10.310	1428	1432	1437	rVV	1050209	1041079	34.38%	3.305%
73	10.357	1437	1440	1444	rVB3	73072	81286	2.68%	0.258%
74	10.404	1444	1448	1451	rBV	40907	52859	1.75%	0.168%
75	10.439	1451	1454	1461	rVB2	70444	116585	3.85%	0.370%
76	10.604	1477	1482	1486	rBV5	52960	86678	2.86%	0.275%
77	10.645	1486	1489	1496	rBV2	146450	155686	5.14%	0.494%
78	10.698	1496	1498	1501	rVB2	42530	41111	1.36%	0.131%
79	10.751	1501	1507	1508	rBV4	76839	108318	3.58%	0.344%
80	10.863	1522	1526	1528	rBV3	37706	50738	1.68%	0.161%
81	10.892	1528	1531	1538	rVB	237775	253923	8.39%	0.806%
82	10.998	1543	1549	1551	rBV	1119790	1049418	34.66%	3.332%
83	11.021	1551	1553	1557	rVB	526129	392693	12.97%	1.247%
84	11.110	1566	1568	1572	rBV2	102466	97912	3.23%	0.311%
85	11.327	1598	1605	1609	rBV2	100589	116717	3.85%	0.371%
86	11.363	1609	1611	1616	rVV2	55610	71734	2.37%	0.228%
87	11.410	1616	1619	1622	rVV	58963	72121	2.38%	0.229%
88	11.457	1624	1627	1630	rVV2	42145	41564	1.37%	0.132%
89	11.498	1630	1634	1637	rVV	162298	156430	5.17%	0.497%
90	11.527	1637	1639	1641	rVV	157586	130918	4.32%	0.416%
91	11.551	1641	1643	1647	rVV	112557	115895	3.83%	0.368%
92	11.604	1649	1652	1654	rVV2	67656	76010	2.51%	0.241%
93	11.633	1654	1657	1663	rVB	58968	64172	2.12%	0.204%
94	11.886	1697	1700	1703	rVB	114643	97575	3.22%	0.310%
95	11.921	1703	1706	1708	rBV	83103	71372	2.36%	0.227%
96	12.045	1722	1727	1730	rBV4	44997	59756	1.97%	0.190%
97	12.586	1814	1819	1822	rBV	2351823	2538796	83.84%	8.060%
98	13.492	1969	1973	1979	rBV	59075	68613	2.27%	0.218%
99	13.621	1991	1995	2002	rVB	823599	744004	24.57%	2.362%
100	14.968	2220	2224	2229	rBV	429870	484593	16.00%	1.539%

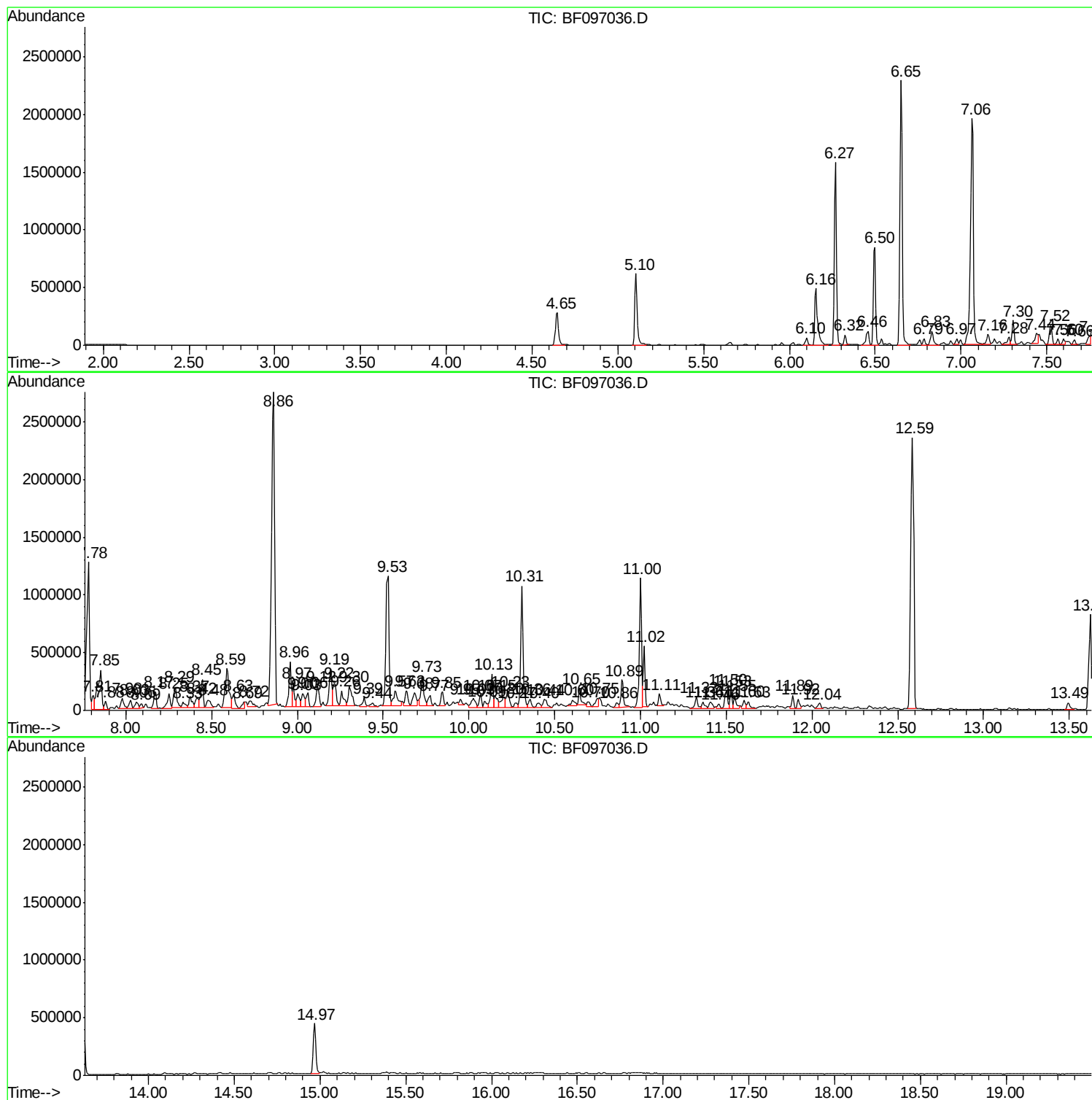
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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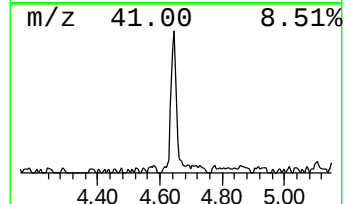
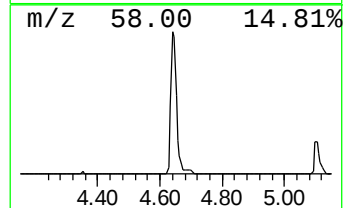
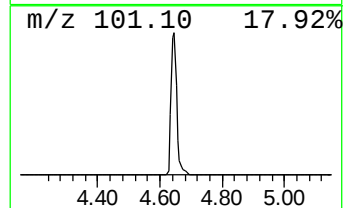
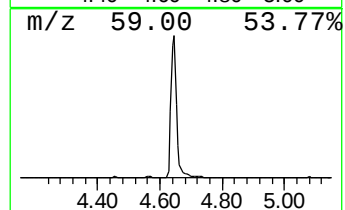
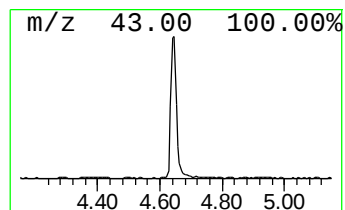
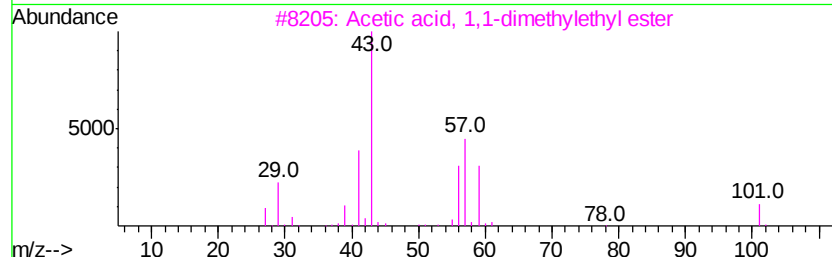
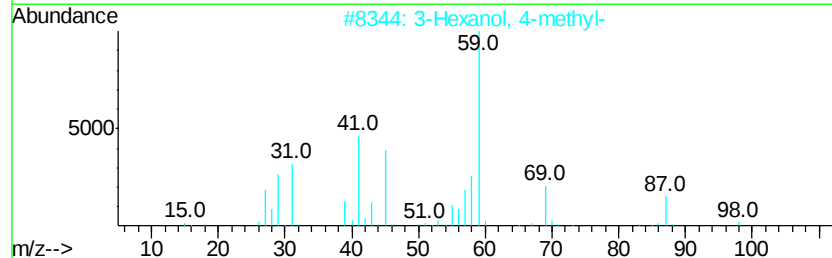
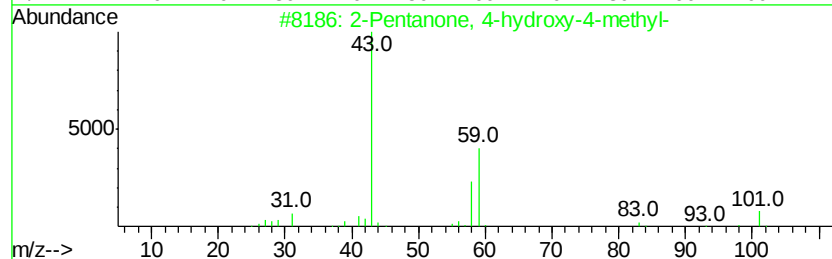
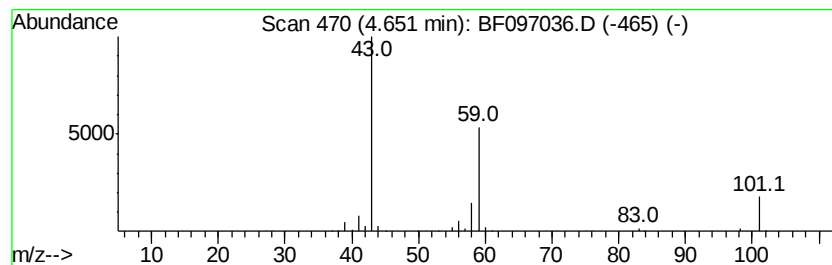
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	8.28 ng	340813	1,4-Dichlorobenzene-d4	6.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	32
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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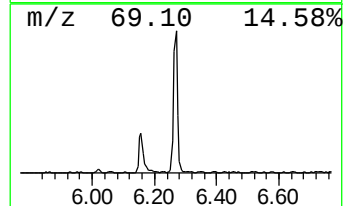
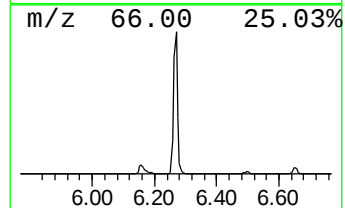
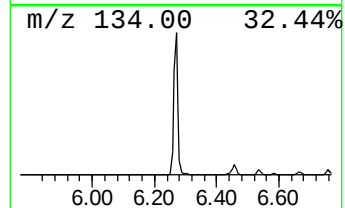
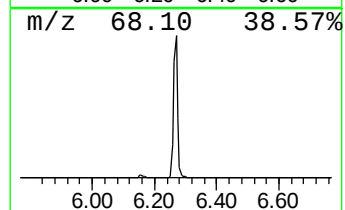
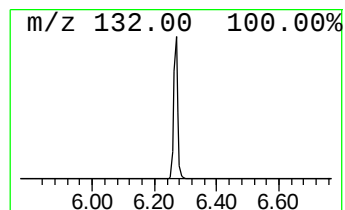
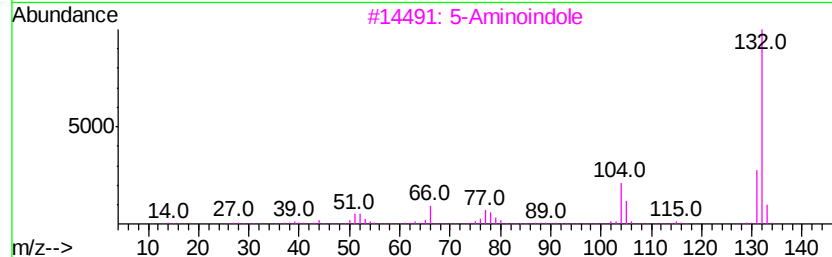
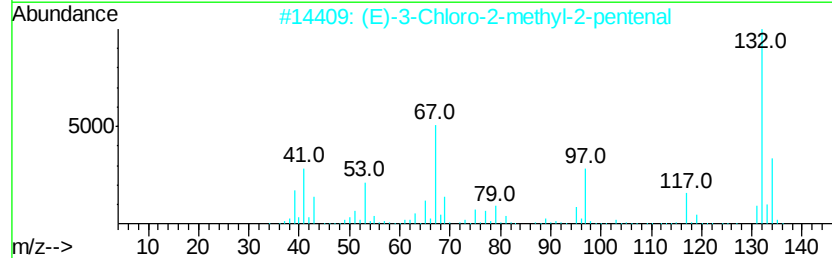
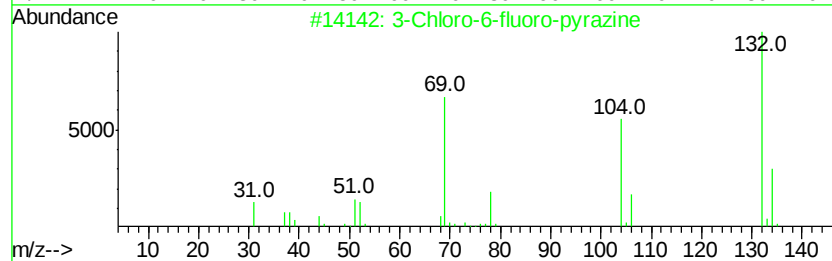
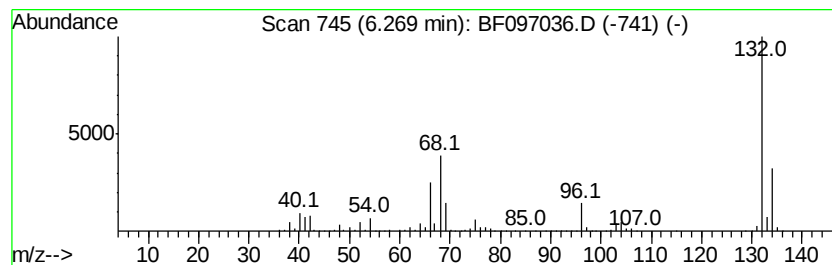
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.27 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	34.76 ng	1431210	1,4-Dichlorobenzene-d4	6.50

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	17
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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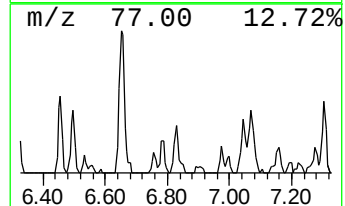
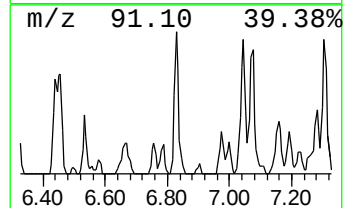
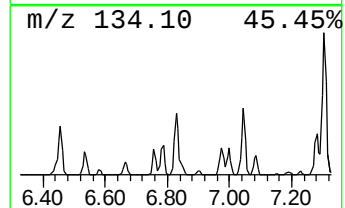
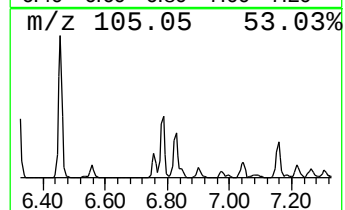
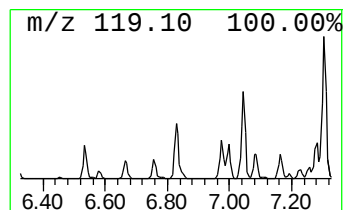
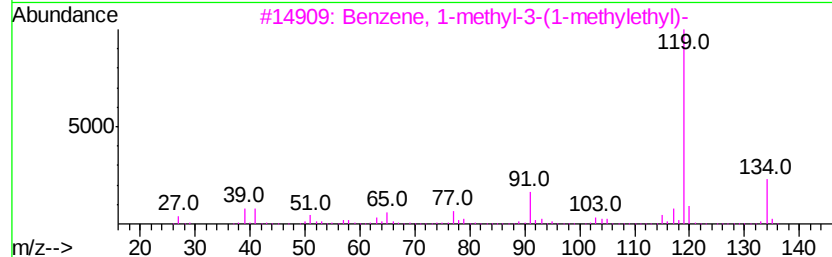
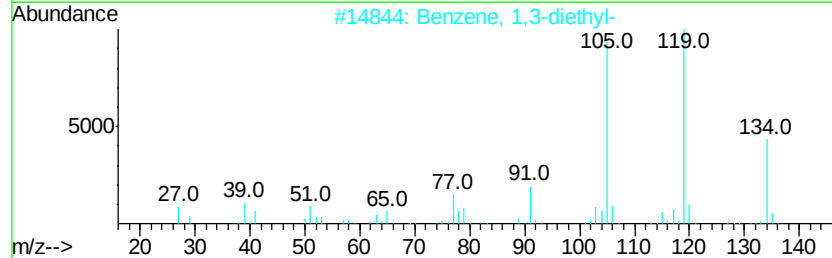
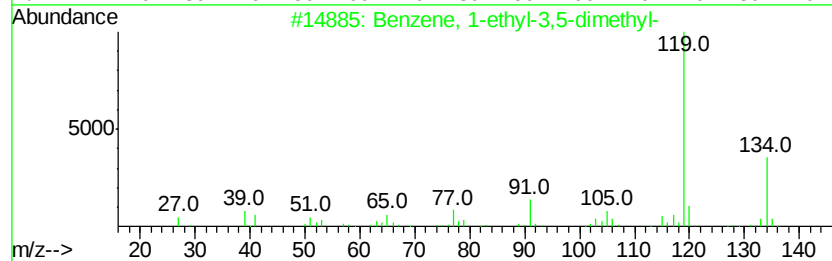
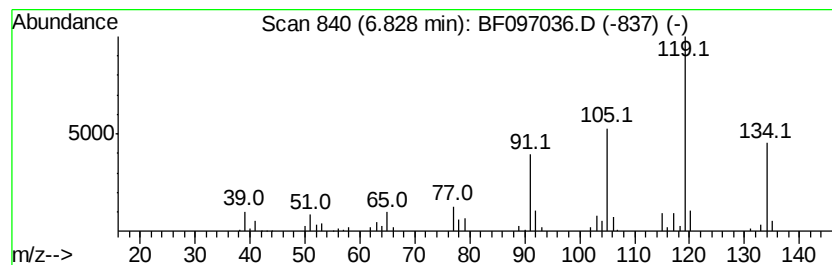
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	3.22 ng	132571	1,4-Dichlorobenzene-d4	6.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
3		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	93
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	92
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
Sample : I4369-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

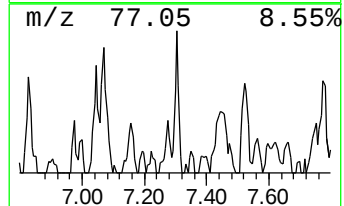
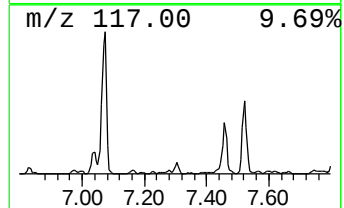
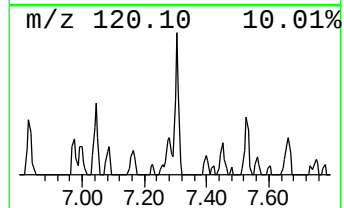
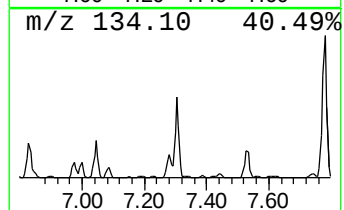
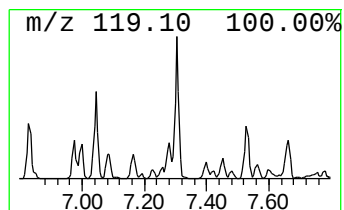
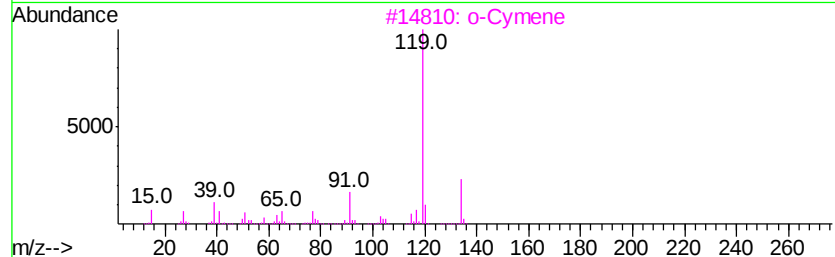
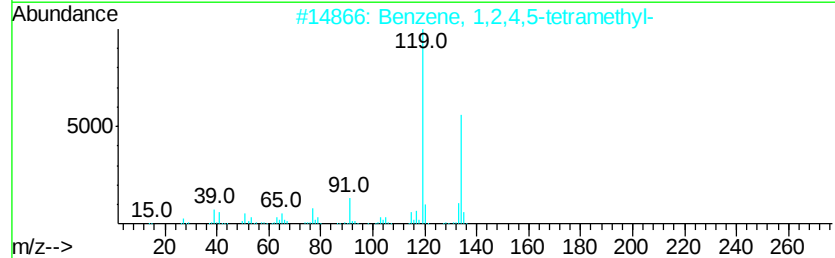
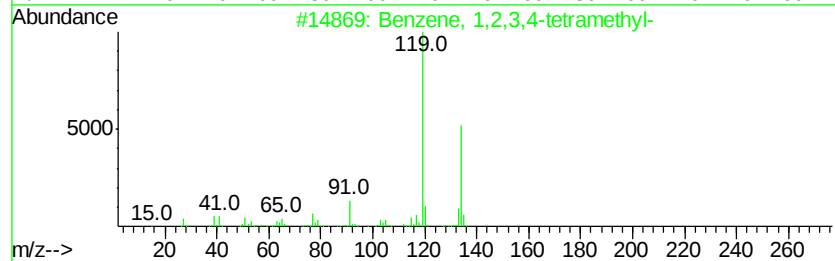
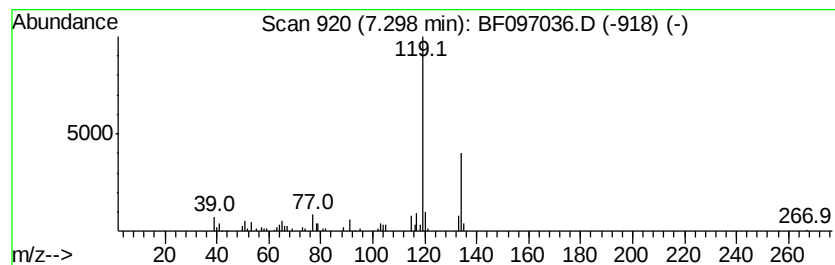
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	2.79 ng	179498	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		p-Cymene	134	C10H14	000099-87-6	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
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Misc :
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Instrument :
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ClientSampleId :
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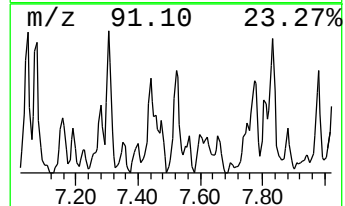
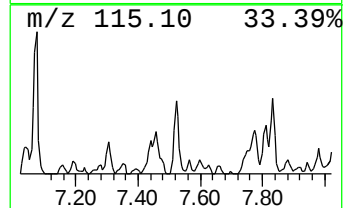
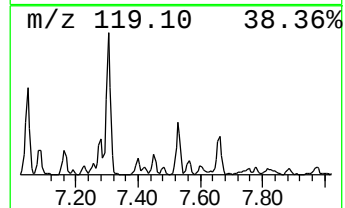
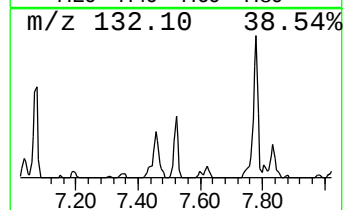
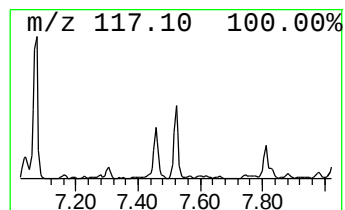
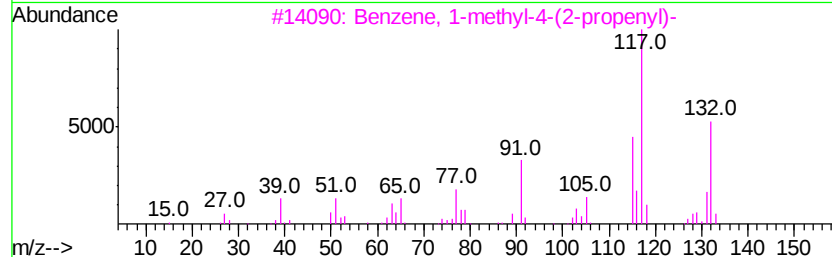
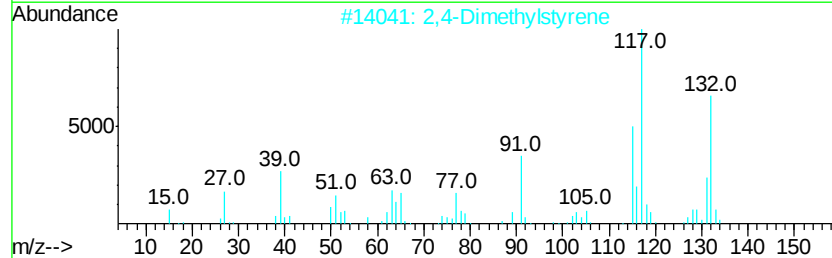
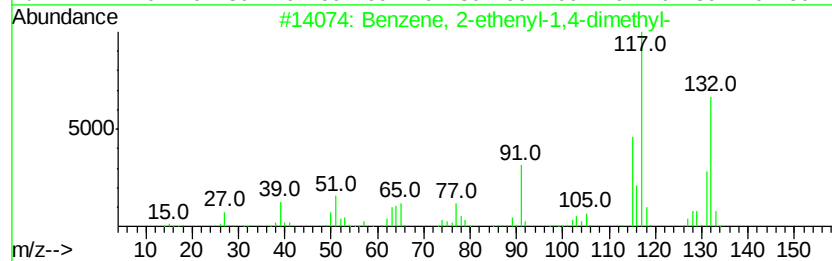
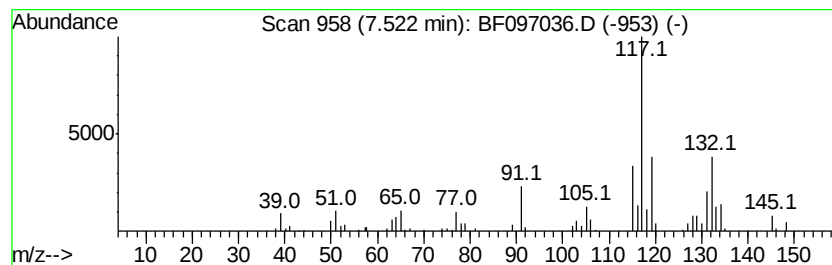
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	3.20 ng	206015	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	87
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20170720

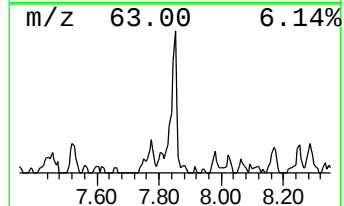
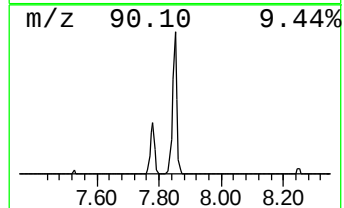
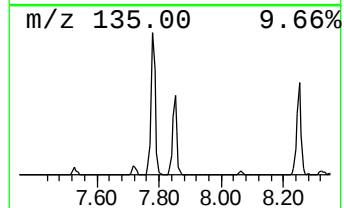
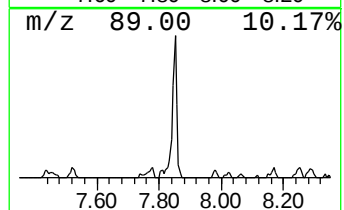
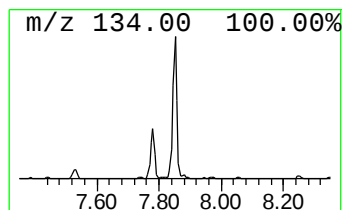
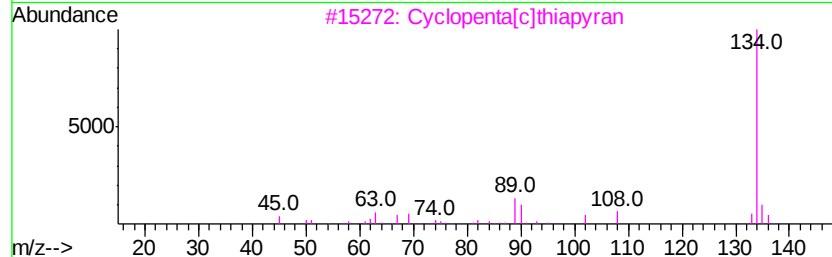
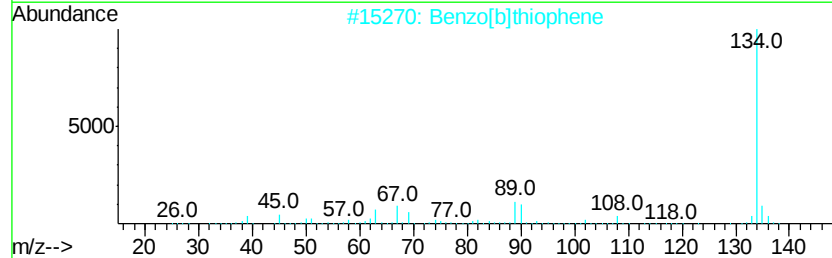
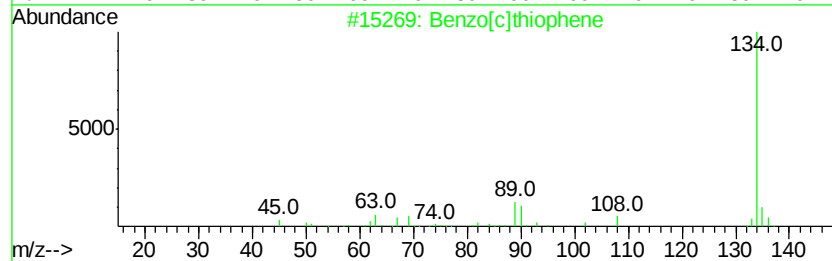
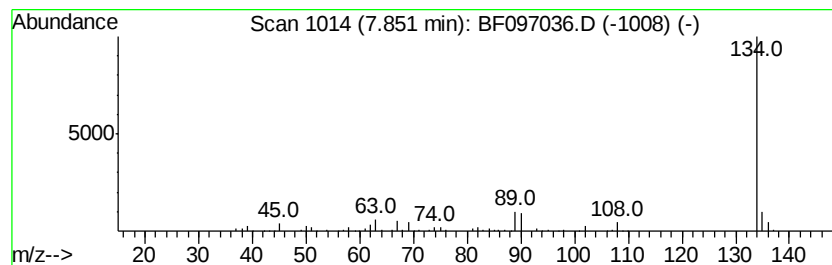
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzo[c]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	8.35 ng	536925	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]thiophene	134	C8H6S	000270-82-6	94
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
3		Cyclopenta[c]thiopyran	134	C8H6S	000270-63-3	91
4		[1]Benzo[thieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	40
5		Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
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Misc :
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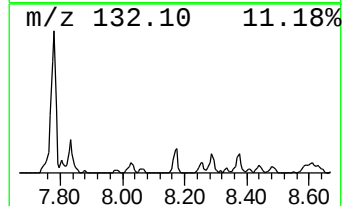
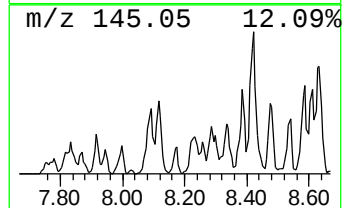
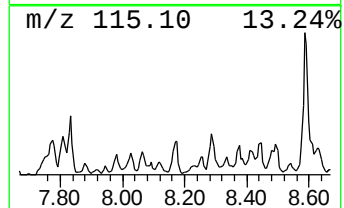
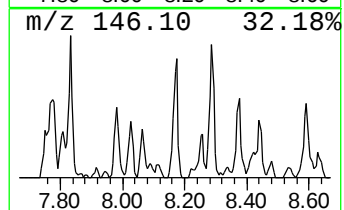
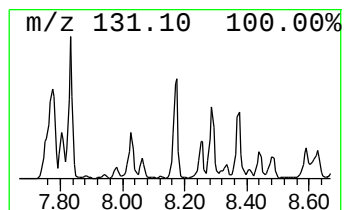
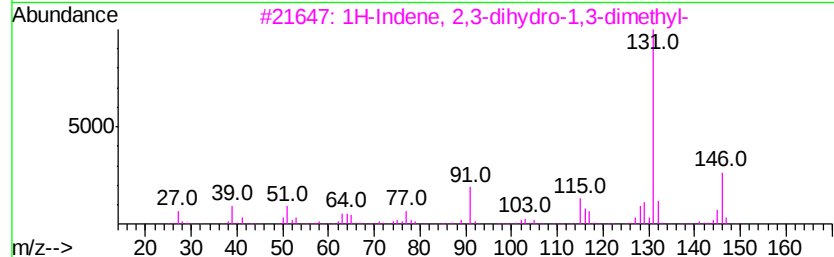
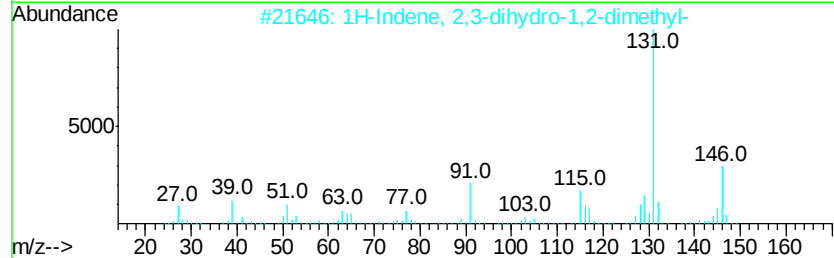
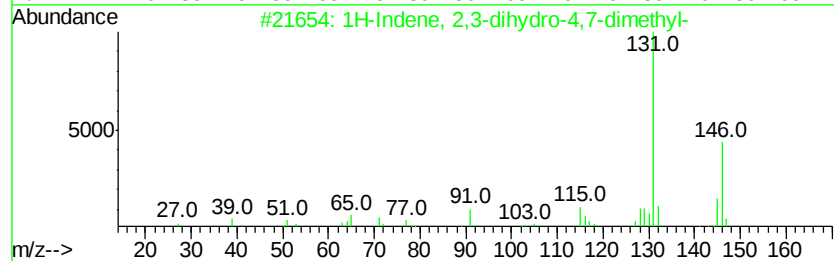
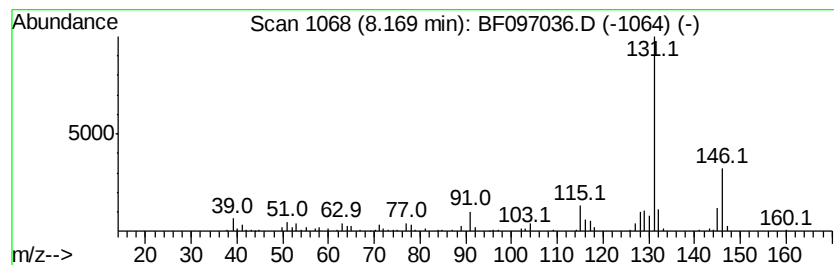
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	2.54 ng	163373	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
4		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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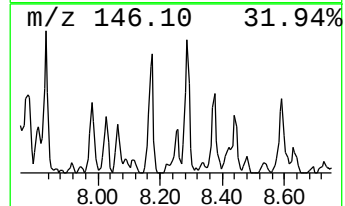
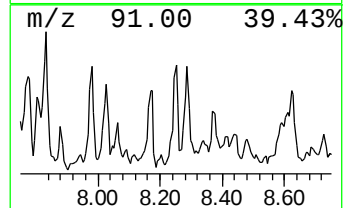
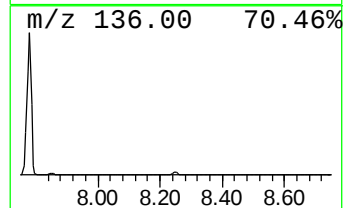
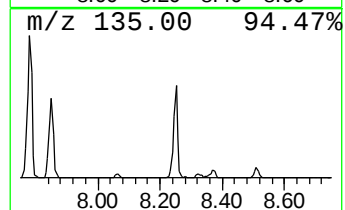
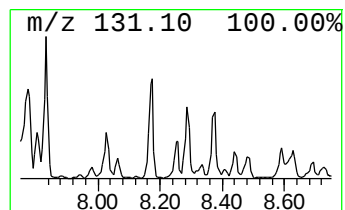
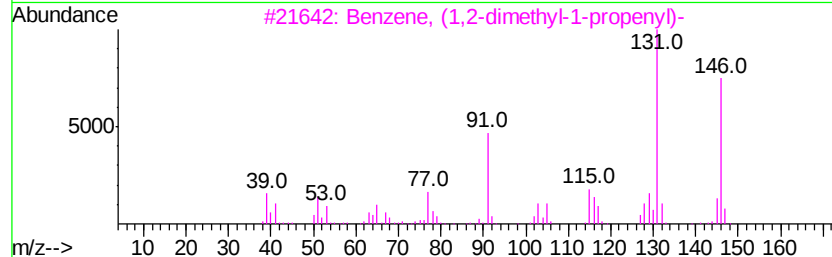
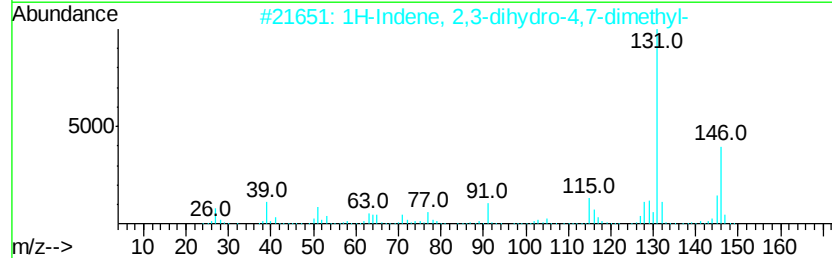
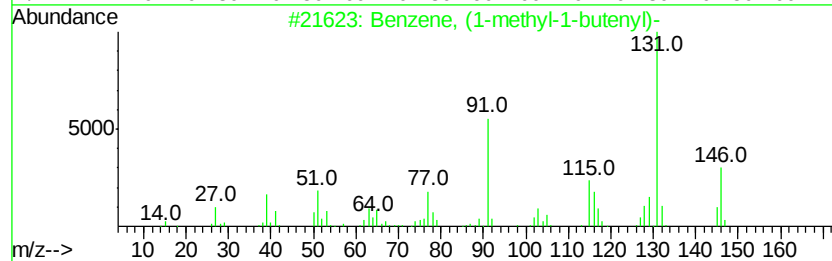
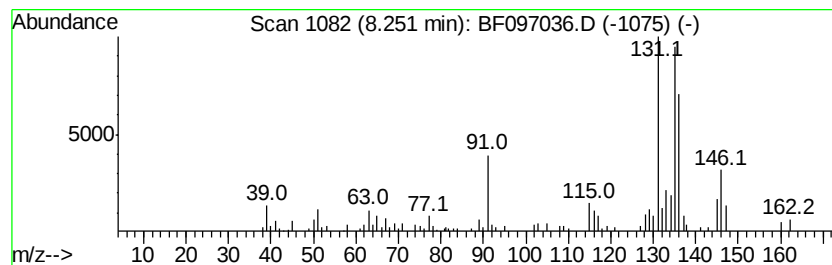
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, (1-methyl-1-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	2.70 ng	173725	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
3		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	83
4		Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	46
5		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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Acq On : 25 Jul 2017 18:35
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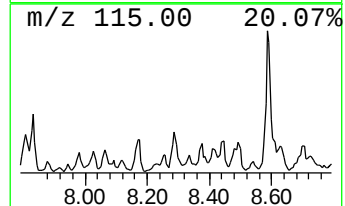
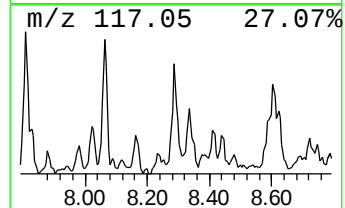
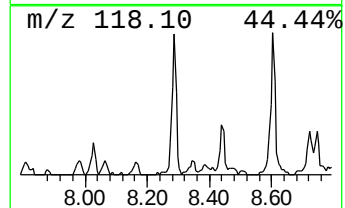
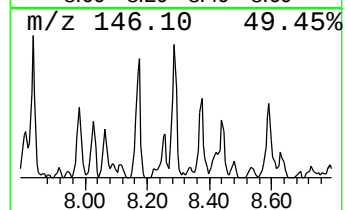
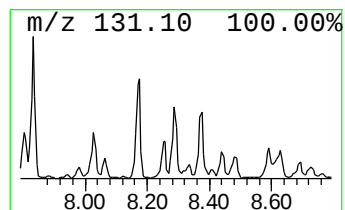
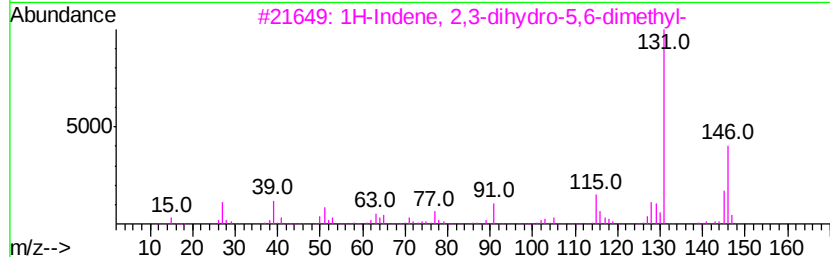
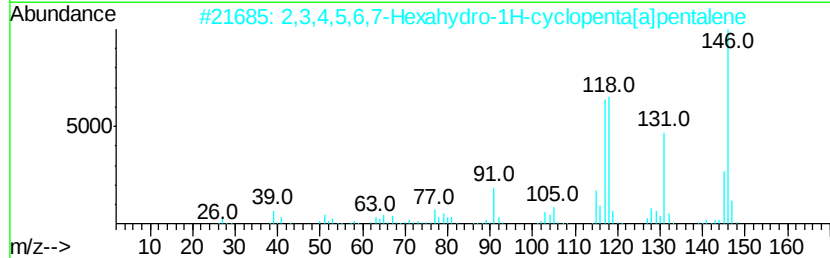
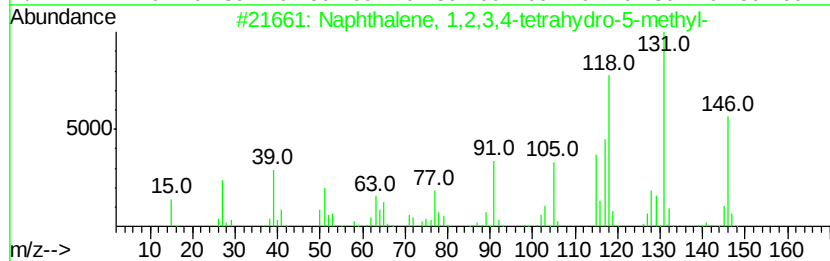
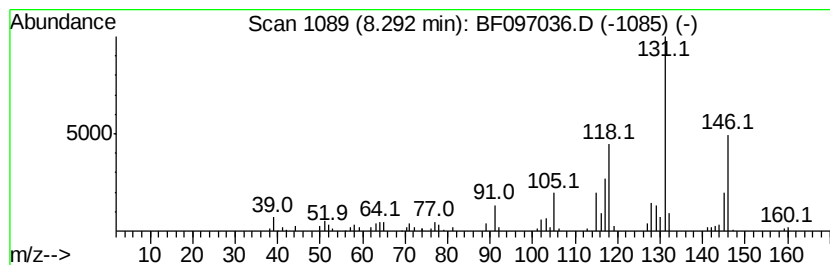
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	3.21 ng	206108	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
2		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	83
3		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	76
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
5		1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
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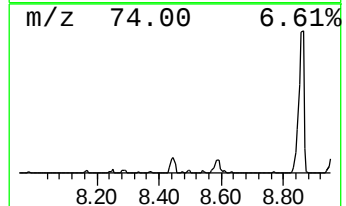
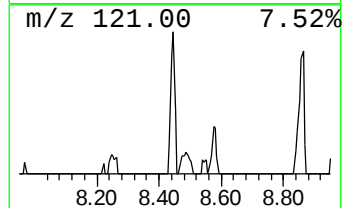
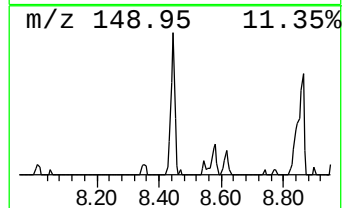
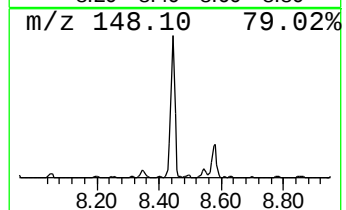
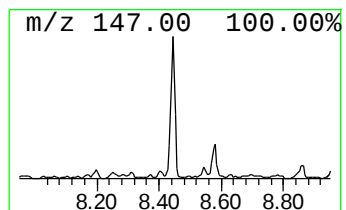
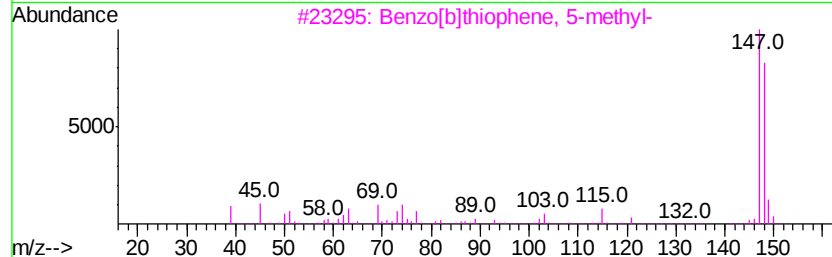
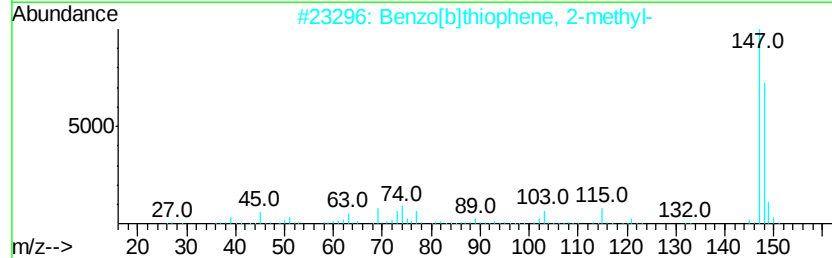
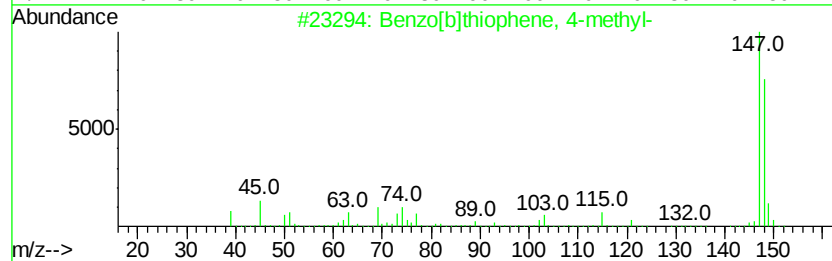
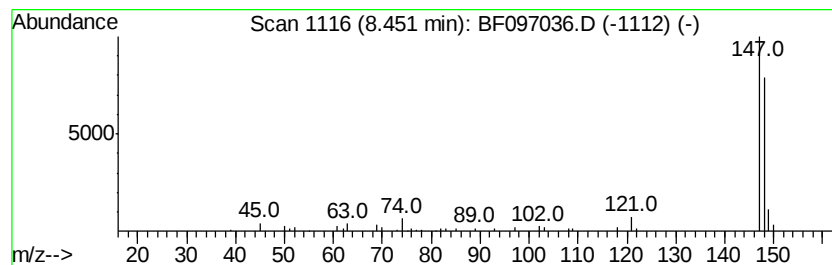
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[b]thiophene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.54 ng	227418	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
2		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
3		Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
4		3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
5		Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
Sample : I4369-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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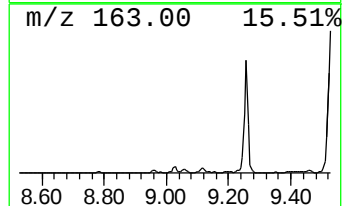
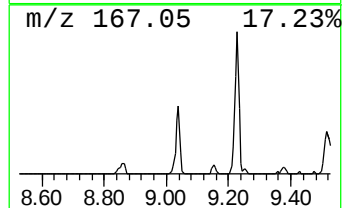
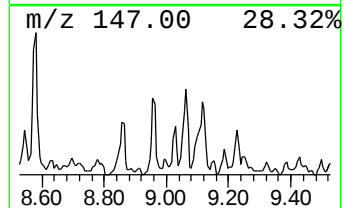
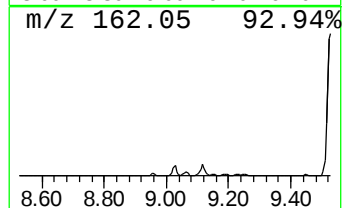
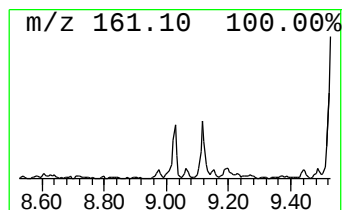
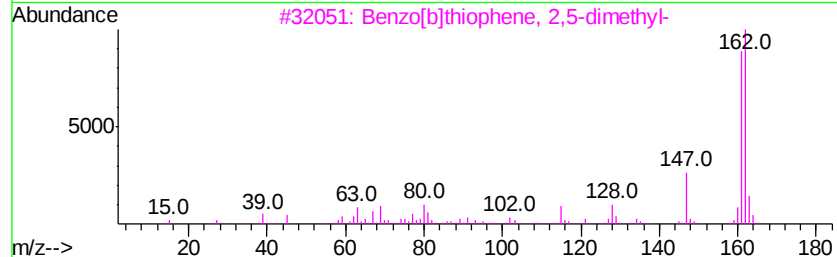
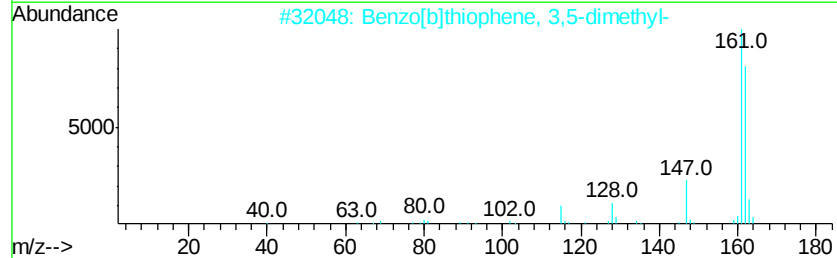
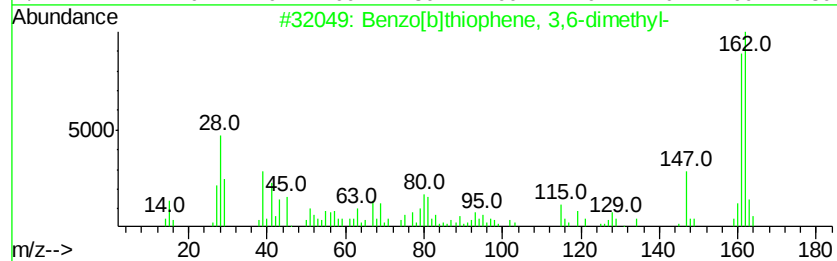
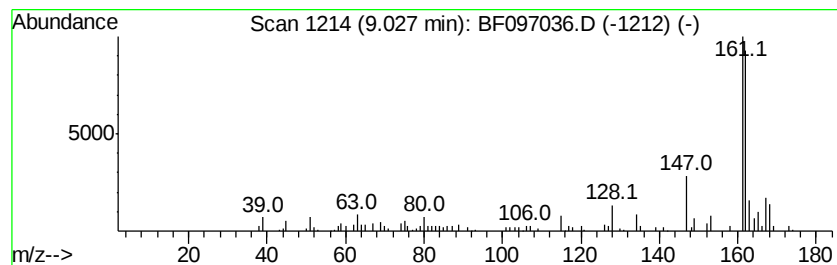
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[b]thiophene, 3,6-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	2.59 ng	152164	Acenaphthene-d10	9.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 3,6-dimethyl-	162	C10H10S	016587-50-1	83
2		Benzo[b]thiophene, 3,5-dimethyl-	162	C10H10S	001964-45-0	80
3		Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	80
4		Acetic acid, (1,3-dioxo-1,3-dihy...	206	C9H6N2O4	1000310-27-1	42
5		Benzene, 1-(2-methoxy-1-propenyl...	162	C11H14O	053291-92-2	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20170720

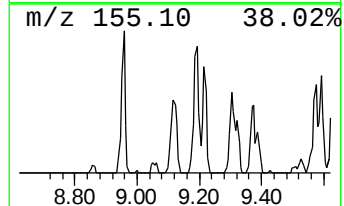
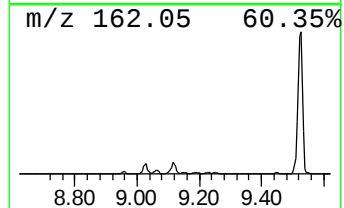
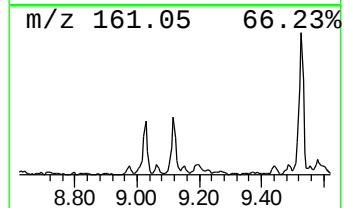
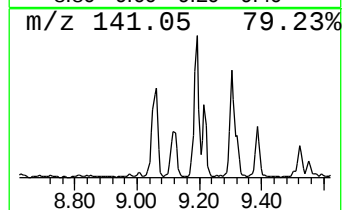
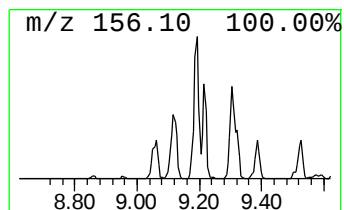
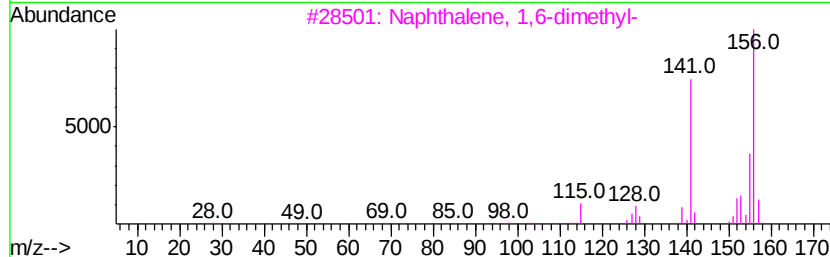
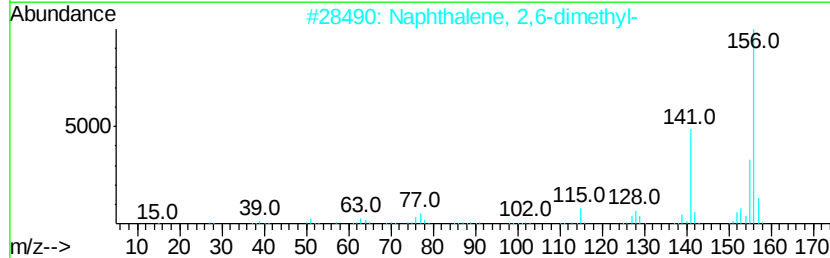
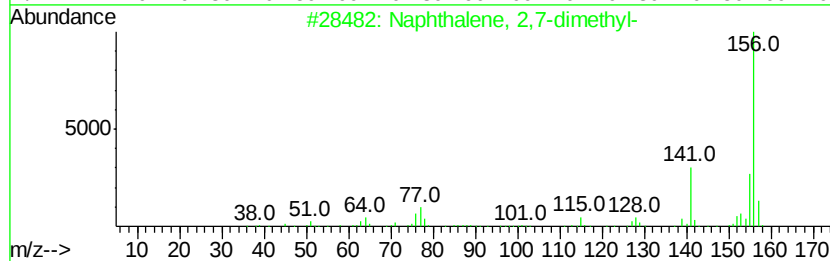
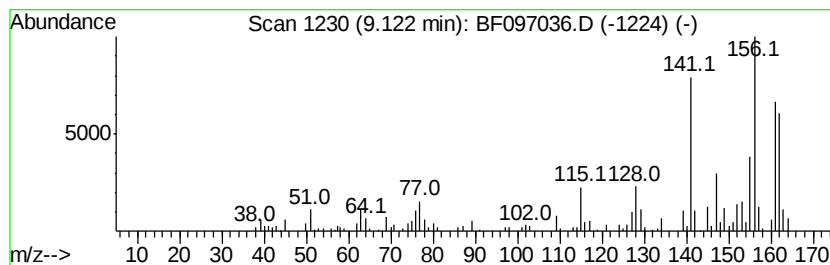
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	3.88 ng	227495	Acenaphthene-d10	9.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	89
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	84
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	66
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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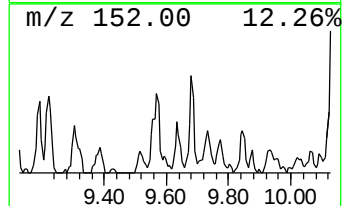
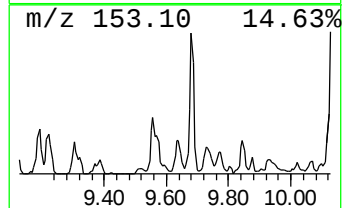
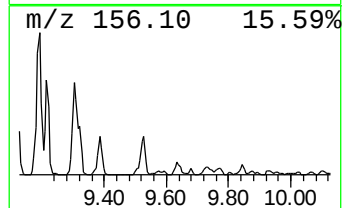
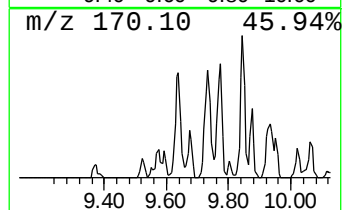
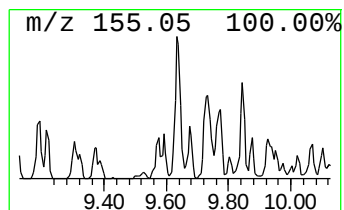
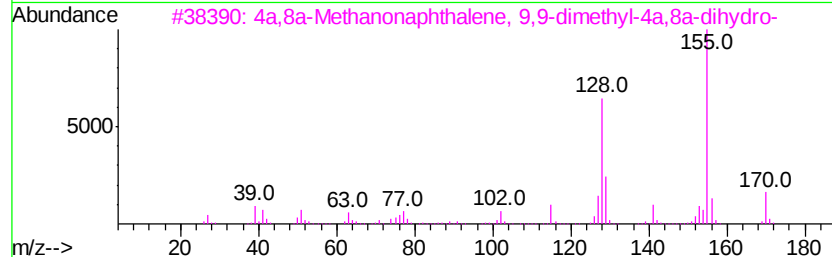
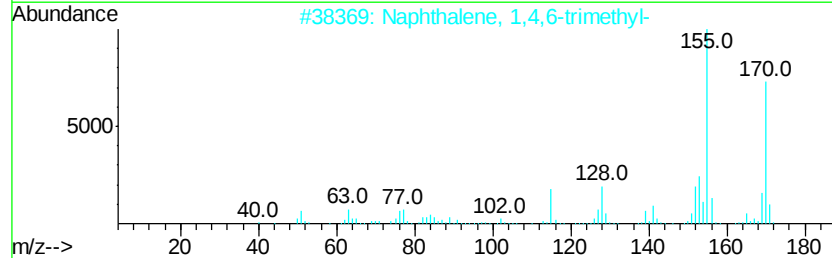
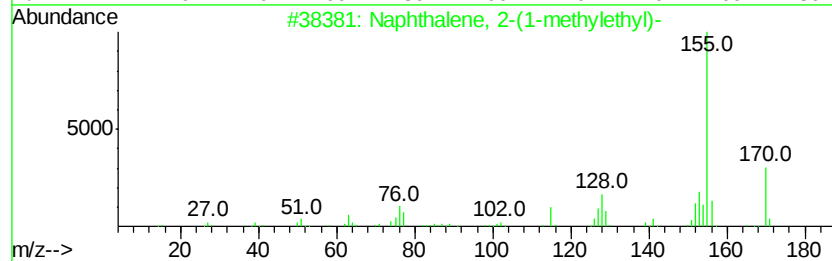
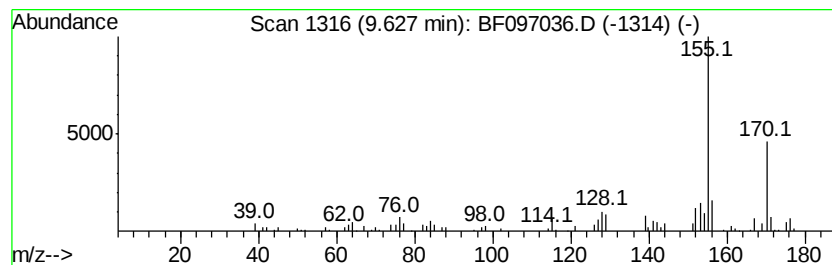
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	2.79 ng	163556	Acenaphthene-d10	9.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	93
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
3		4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	80
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
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Operator : SJ/JU
Sample : I4369-02
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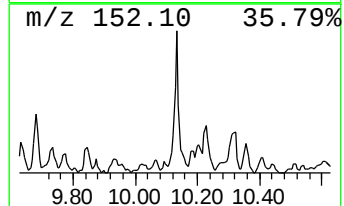
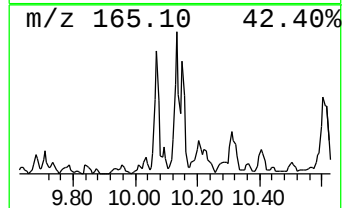
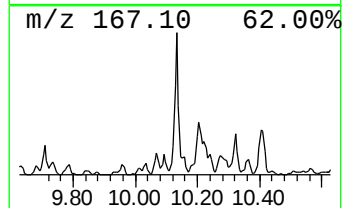
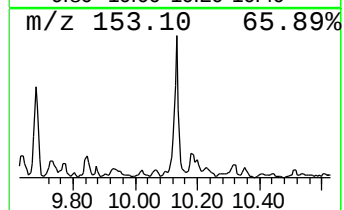
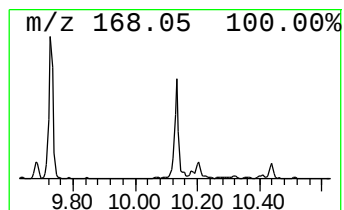
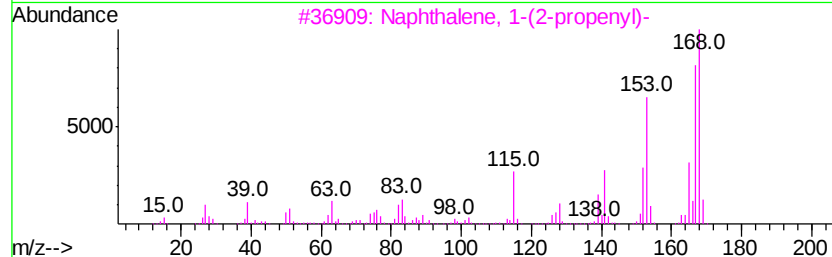
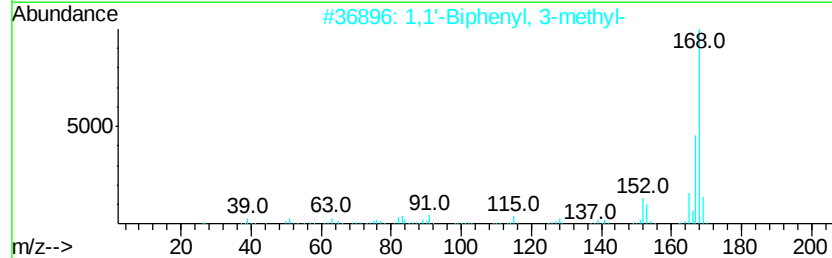
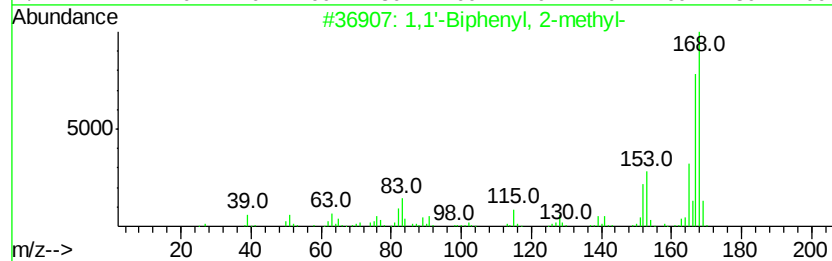
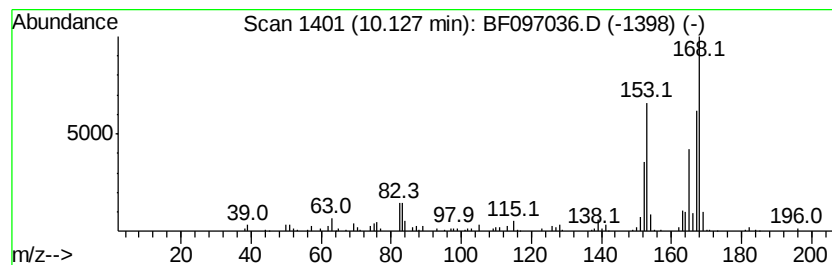
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.13	5.01 ng	294285	Acenaphthene-d10	9.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	70
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
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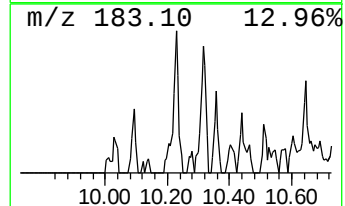
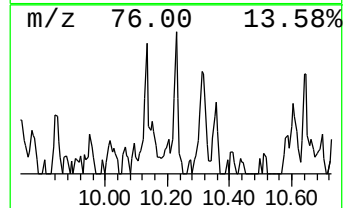
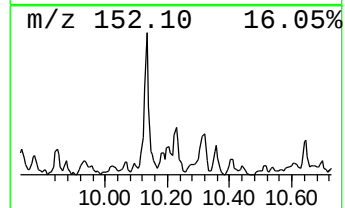
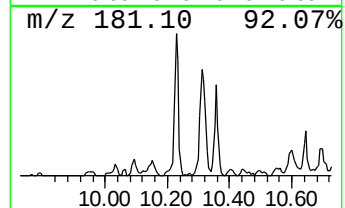
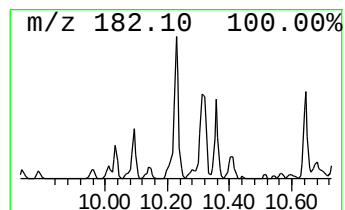
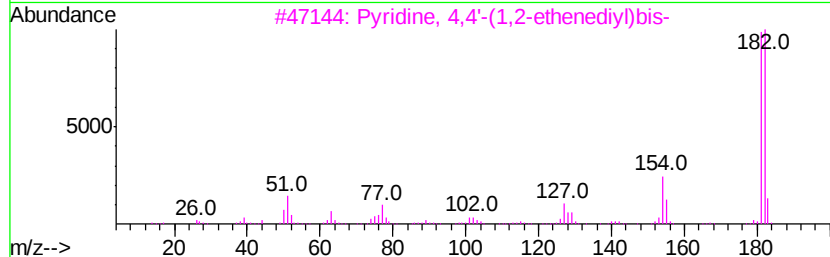
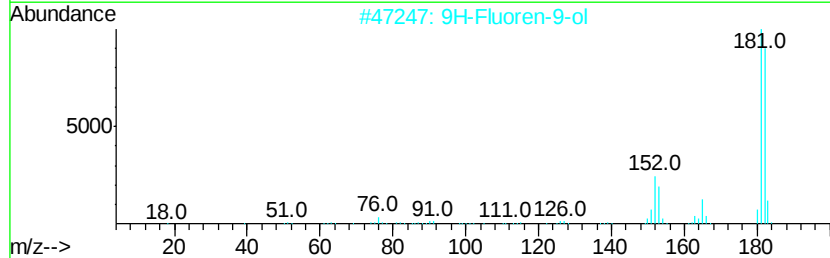
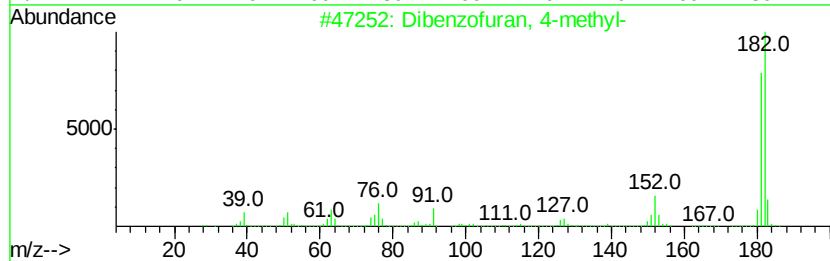
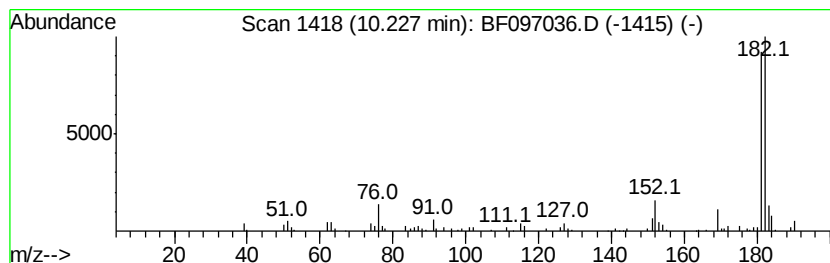
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	3.10 ng	182180	Acenaphthene-d10	9.53
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8 86
2		9H-Fluoren-9-ol	182 C13H10O	001689-64-1 80
3		Pyridine, 4,4'-(1,2-ethenedivl)bis-	182 C12H10N2	001135-32-6 64
4		Norharmane, N-methyl-	182 C12H10N2	1000374-78-6 64
5		6H-Dibenzo[b,d]-pyran	182 C13H10O	000229-95-8 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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ALS Vial : 12 Sample Multiplier: 1

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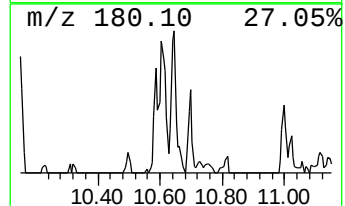
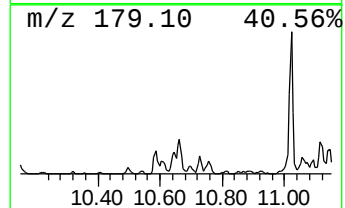
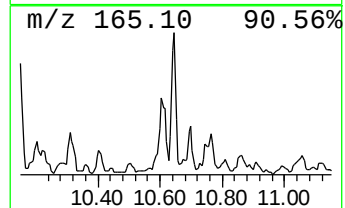
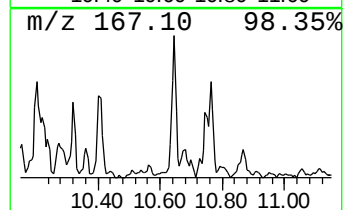
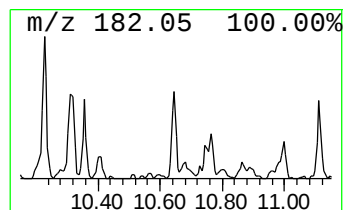
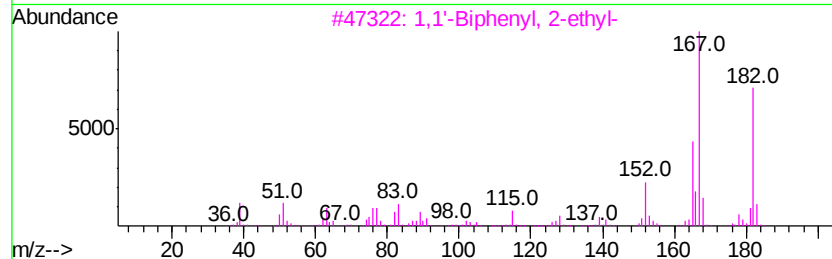
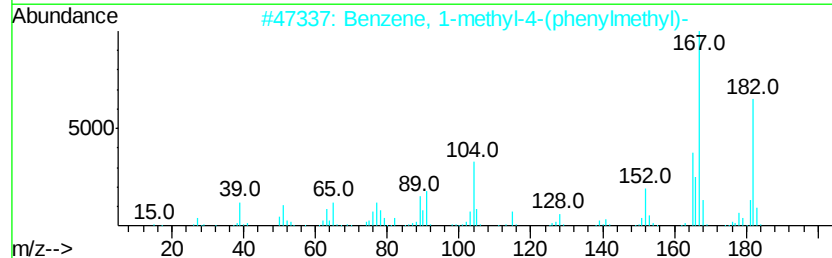
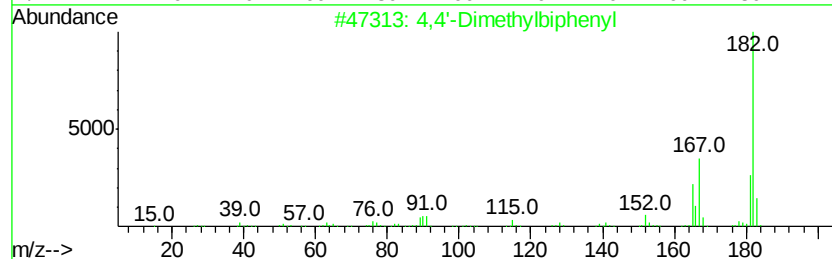
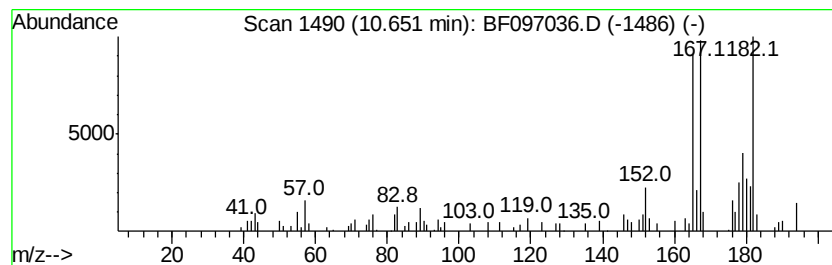
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 4,4'-Dimethylbiphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	2.97 ng	155686	Phenanthrene-d10	11.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	89
2		Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	64
3		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	53
4		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	49
5		4-Ethylbiphenyl	182	C14H14	005707-44-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
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Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
Sample : I4369-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

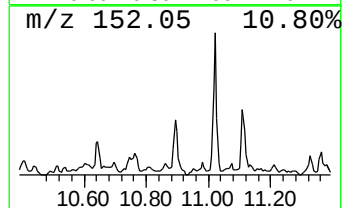
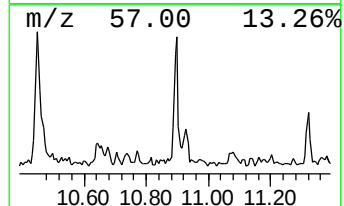
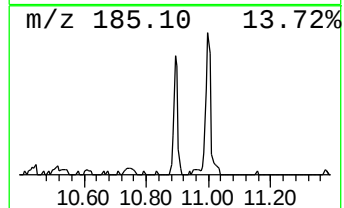
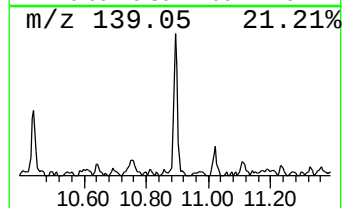
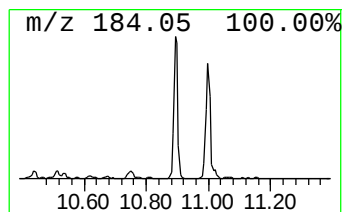
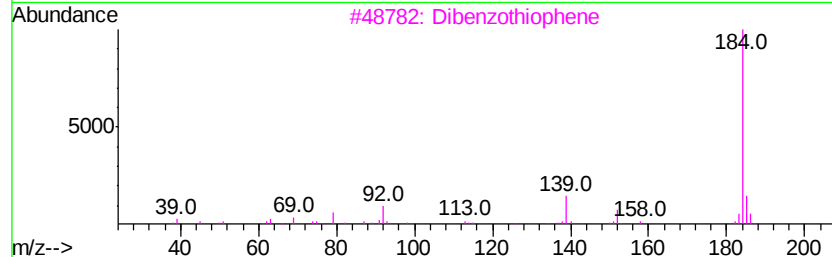
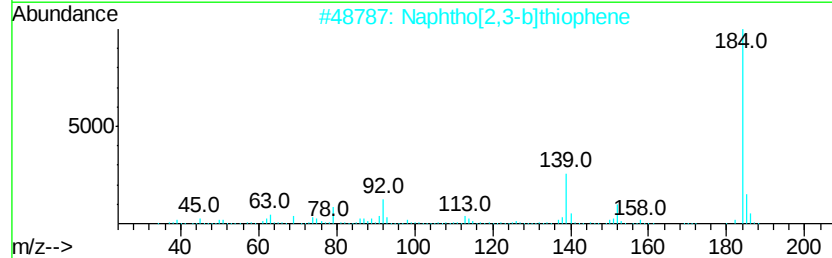
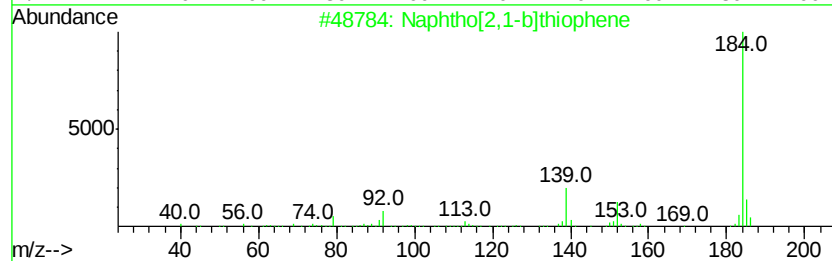
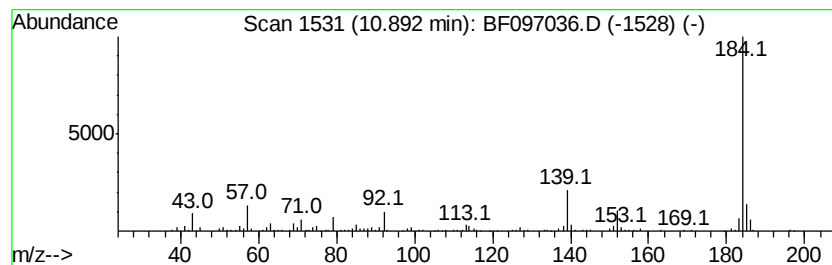
Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.89	4.84 ng	253923	Phenanthrene-d10	11.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
Sample : I4369-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

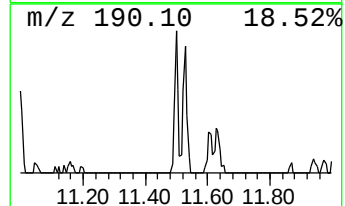
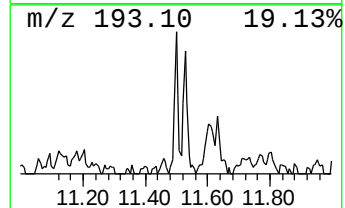
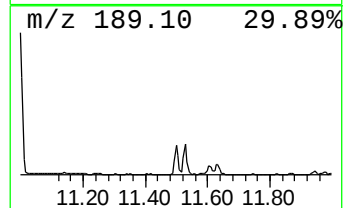
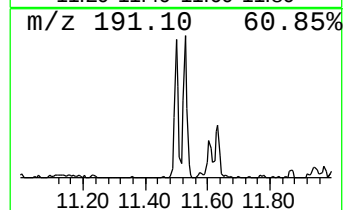
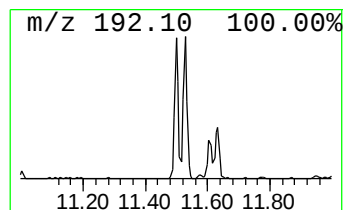
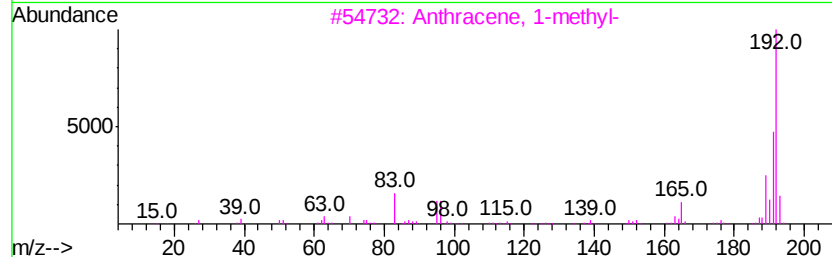
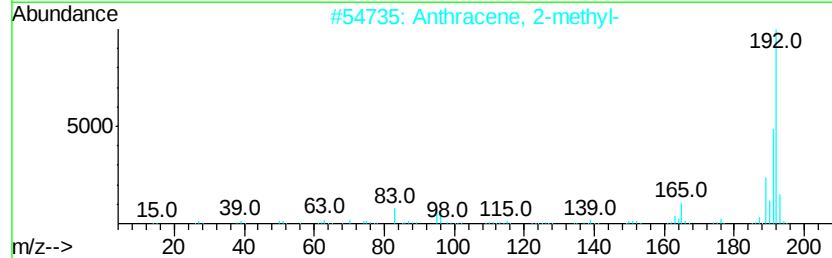
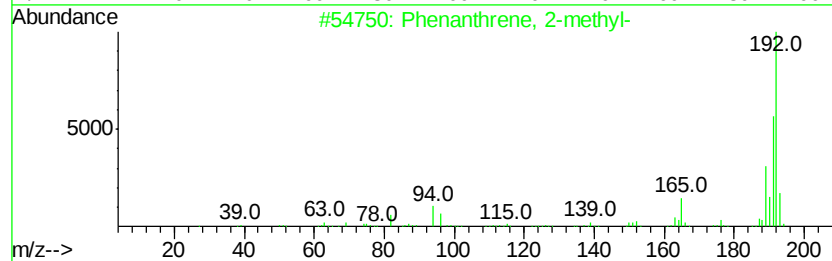
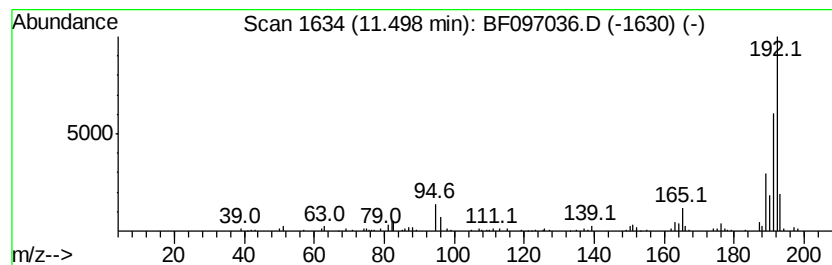
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	2.98 ng	156430	Phenanthrene-d10	11.00

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	95
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	89
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
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 Acq On : 25 Jul 2017 18:35
 Operator : SJ/JU
 Sample : I4369-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20170720

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
2-Pentanone, 4-hy...	4.65	8.3	ng	340813	1	6.50	823527	20.0
unknown6.27	6.27	34.8	ng	1431210	1	6.50	823527	20.0
Benzene, 1-ethyl-...	6.83	3.2	ng	132571	1	6.50	823527	20.0
Benzene, 1,2,3,4-...	7.30	2.8	ng	179498	2	7.78	1286060	20.0
Benzene, 2-etheny...	7.52	3.2	ng	206015	2	7.78	1286060	20.0
Benzo[c]thiophene	7.85	8.3	ng	536925	2	7.78	1286060	20.0
1H-Indene, 2,3-di...	8.17	2.5	ng	163373	2	7.78	1286060	20.0
Benzene, (1-methy...	8.25	2.7	ng	173725	2	7.78	1286060	20.0
Naphthalene, 1,2,...	8.29	3.2	ng	206108	2	7.78	1286060	20.0
Benzo[b]thiophene...	8.45	3.5	ng	227418	2	7.78	1286060	20.0
Benzo[b]thiophene...	9.03	2.6	ng	152164	3	9.53	1174120	20.0
Naphthalene, 2,7-...	9.12	3.9	ng	227495	3	9.53	1174120	20.0
Naphthalene, 2-(1...	9.63	2.8	ng	163556	3	9.53	1174120	20.0
1,1'-Biphenyl, 2-...	10.13	5.0	ng	294285	3	9.53	1174120	20.0
Dibenzofuran, 4-m...	10.23	3.1	ng	182180	3	9.53	1174120	20.0
4,4'-Dimethylbiph...	10.65	3.0	ng	155686	4	11.00	1049420	20.0
Naphtho[2,1-b]thi...	10.89	4.8	ng	253923	4	11.00	1049420	20.0
Phenanthrene, 2-m...	11.50	3.0	ng	156430	4	11.00	1049420	20.0