

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112977.D
 Acq On : 12 Mar 2019 1:33
 Operator : JU/SJ
 Sample : K1822-02 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-8-BOD

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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	5.639	601	604	610	rBV	150091	141151	3.10%	0.207%
2	5.751	616	623	627	rBV	169154	203590	4.46%	0.299%
3	5.886	641	646	651	rVB2	246922	239545	5.25%	0.351%
4	5.986	660	663	670	rVB	381350	382291	8.38%	0.561%
5	6.175	689	695	699	rBV5	112065	182744	4.01%	0.268%
6	6.257	708	709	711	rBV	131604	125728	2.76%	0.184%
7	6.275	711	712	719	rVB2	291780	292216	6.41%	0.429%
8	6.333	719	722	725	rBV	446682	380611	8.35%	0.558%
9	6.386	729	731	733	rBV	163560	120661	2.65%	0.177%
10	6.439	738	740	744	rVB2	129586	120458	2.64%	0.177%
11	6.481	744	747	749	rBV	277731	289812	6.35%	0.425%
12	6.557	758	760	762	rBV	707201	637195	13.97%	0.934%
13	6.581	762	764	769	rVB2	733721	694958	15.24%	1.019%
14	6.628	769	772	777	rBV3	178542	179658	3.94%	0.263%
15	6.686	777	782	785	rBV4	139355	237854	5.22%	0.349%
16	6.733	785	790	793	rBV	1130331	1068864	23.44%	1.567%
17	6.763	793	795	798	rVB2	273924	246670	5.41%	0.362%
18	6.792	798	800	805	rBV4	362293	476614	10.45%	0.699%
19	6.839	805	808	810	rVB2	258005	216044	4.74%	0.317%
20	6.863	810	812	814	rBV2	160992	147103	3.23%	0.216%
21	6.886	814	816	820	rBV	444907	387533	8.50%	0.568%
22	6.922	820	822	825	rVB2	217340	201973	4.43%	0.296%
23	6.986	825	833	835	rBV3	305817	472574	10.36%	0.693%
24	7.022	835	839	842	rVB2	405129	473156	10.37%	0.694%
25	7.057	842	845	848	rVB3	641627	561595	12.31%	0.824%
26	7.086	848	850	855	rBV2	508300	516055	11.32%	0.757%
27	7.133	855	858	861	rBV	1760556	1457482	31.96%	2.137%
28	7.204	868	870	872	rBV2	228162	237392	5.21%	0.348%
29	7.228	872	874	876	rVB3	271681	227576	4.99%	0.334%
30	7.275	876	882	885	rBV5	472134	751686	16.48%	1.102%
31	7.345	892	894	897	rVB	1144501	831335	18.23%	1.219%
32	7.380	897	900	905	rVB3	682612	1035612	22.71%	1.519%
33	7.422	905	907	909	rBV3	225710	250747	5.50%	0.368%
34	7.469	911	915	918	rVB5	419470	530492	11.63%	0.778%

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35	7.516	918	923	925	rBV2	921355	908684	19.92%	1.333%
36	7.545	925	928	932	rVB2	1666093	1641358	35.99%	2.407%
37	7.580	932	934	937	rVB3	155394	122068	2.68%	0.179%
38	7.616	937	940	942	rBV	829103	862646	18.92%	1.265%
39	7.645	942	945	946	rBV2	190962	181454	3.98%	0.266%
40	7.663	946	948	952	rVB3	1357924	1422568	31.19%	2.086%
41	7.710	953	956	960	rBV3	806016	971553	21.30%	1.425%
42	7.751	960	963	966	rBV3	485617	500243	10.97%	0.734%
43	7.786	966	969	972	rVB2	692278	661952	14.51%	0.971%
44	7.828	972	976	978	rBV3	635902	782148	17.15%	1.147%
45	7.857	978	981	984	rVB2	1193971	1143557	25.07%	1.677%
46	7.892	984	987	989	rBV	520768	446028	9.78%	0.654%
47	7.928	989	993	997	rBV2	1141472	1427628	31.30%	2.094%
48	7.963	997	999	1001	rBV	782404	574728	12.60%	0.843%
49	7.980	1001	1002	1004	rBV2	338915	202289	4.44%	0.297%
50	8.016	1004	1008	1013	rBV4	3238766	4560590	100.00%	6.688%
51	8.075	1013	1018	1020	rBV5	1407528	1424018	31.22%	2.088%
52	8.098	1020	1022	1024	rBV2	592691	447314	9.81%	0.656%
53	8.127	1024	1027	1029	rBV3	353292	371085	8.14%	0.544%
54	8.151	1029	1031	1032	rBV	217041	140096	3.07%	0.205%
55	8.198	1037	1039	1040	rBV2	644076	487642	10.69%	0.715%
56	8.216	1040	1042	1046	rVB3	600645	595511	13.06%	0.873%
57	8.251	1046	1048	1052	rBV3	752037	1050271	23.03%	1.540%
58	8.286	1052	1054	1056	rBV	390365	249459	5.47%	0.366%
59	8.322	1056	1060	1062	rBV2	1537781	1532399	33.60%	2.247%
60	8.351	1062	1065	1067	rVB3	941715	879746	19.29%	1.290%
61	8.380	1067	1070	1072	rVB3	664502	612029	13.42%	0.898%
62	8.410	1072	1075	1077	rBV2	1371094	1171106	25.68%	1.717%
63	8.439	1077	1080	1081	rBV2	337330	294076	6.45%	0.431%
64	8.457	1081	1083	1086	rBV3	860515	1292386	28.34%	1.895%
65	8.527	1091	1095	1098	rBV2	1279912	1523666	33.41%	2.234%
66	8.627	1109	1112	1113	rBV2	721777	585732	12.84%	0.859%
67	8.775	1134	1137	1138	rBV2	732612	688884	15.11%	1.010%
68	8.798	1139	1141	1144	rVB2	855246	700879	15.37%	1.028%
69	8.827	1144	1146	1148	rBV2	895827	960975	21.07%	1.409%
70	8.851	1148	1150	1154	rVB3	1277732	1489670	32.66%	2.185%
71	8.910	1158	1160	1162	rVV	900112	701026	15.37%	1.028%

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72	8.992	1171	1174	1176	rVB3	1122773	1079253	23.66%	1.583%
73	9.022	1176	1179	1182	rBV4	1048427	1460809	32.03%	2.142%
74	9.092	1188	1191	1196	rBV7	970256	1528249	33.51%	2.241%
75	9.139	1197	1199	1202	rBV4	730996	658386	14.44%	0.966%
76	9.186	1204	1207	1211	rVV4	1452597	2261223	49.58%	3.316%
77	9.416	1243	1246	1249	rBV3	1320127	1542470	33.82%	2.262%
78	9.498	1257	1260	1261	rBV	1476012	1276069	27.98%	1.871%
79	9.657	1284	1287	1288	rBV3	1247092	1488197	32.63%	2.182%
80	9.698	1292	1294	1297	rVB3	2204002	2185900	47.93%	3.206%
81	9.733	1298	1300	1303	rBV2	1224487	1148513	25.18%	1.684%
82	9.774	1304	1307	1309	rBV3	2129828	2955817	64.81%	4.335%
83	13.886	2003	2006	2014	rVB	1382728	1644125	36.05%	2.411%
84	15.280	2238	2243	2247	rBV	875981	1035562	22.71%	1.519%

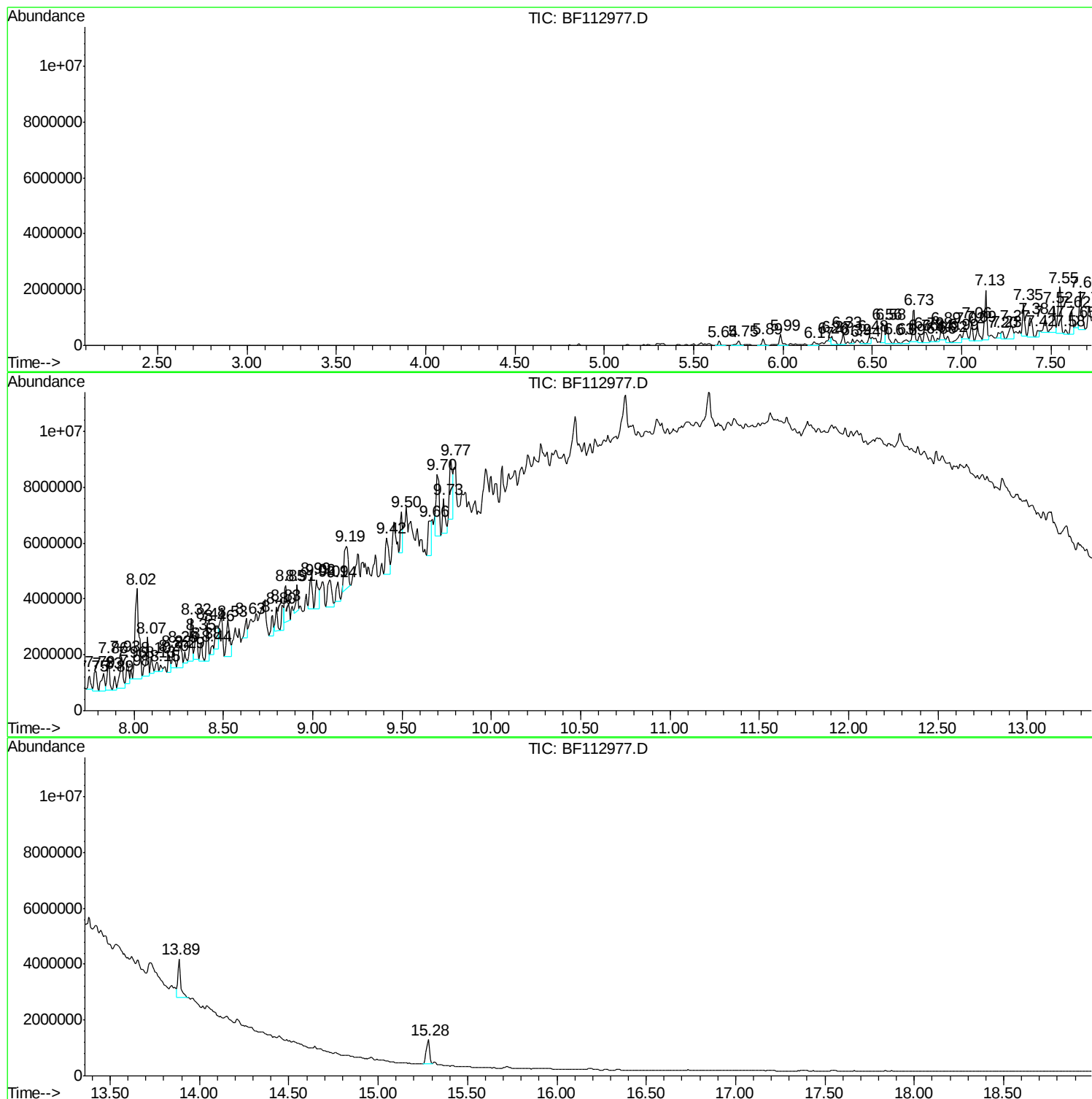
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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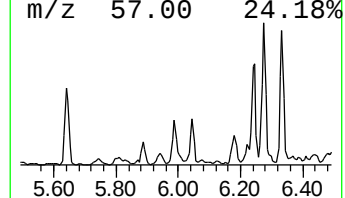
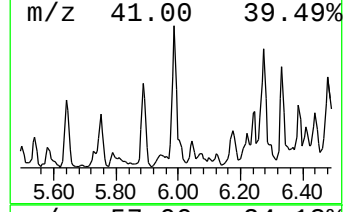
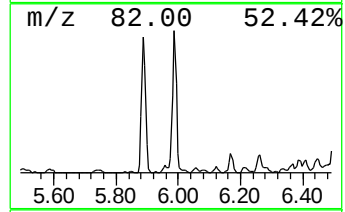
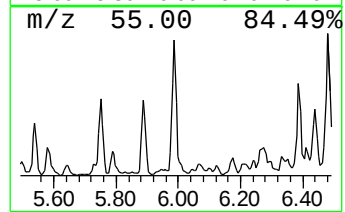
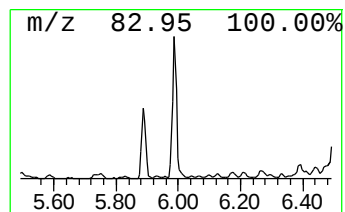
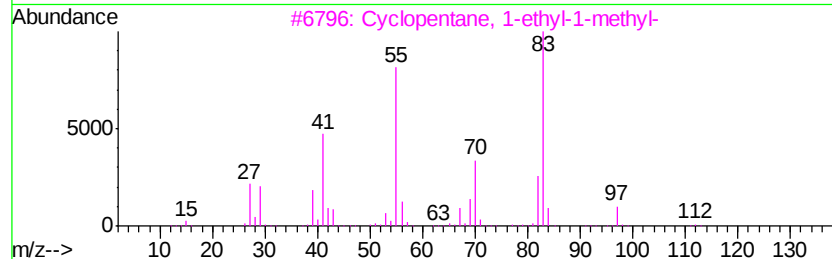
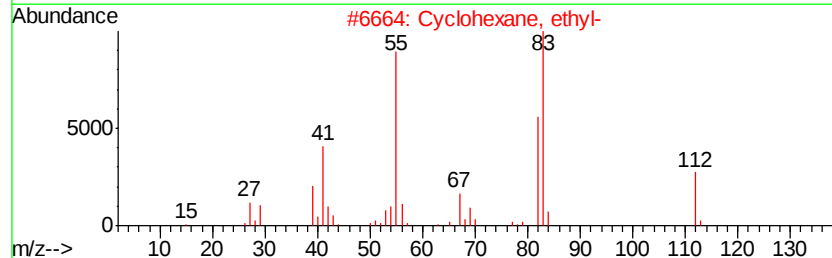
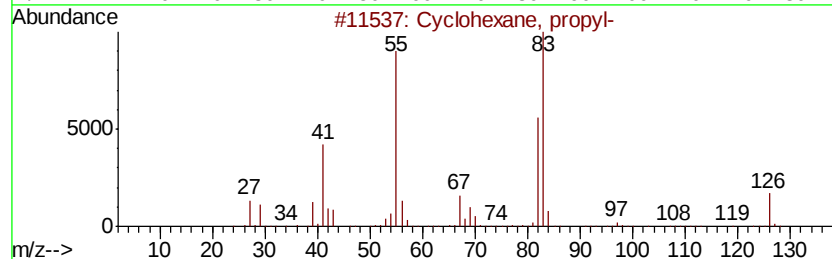
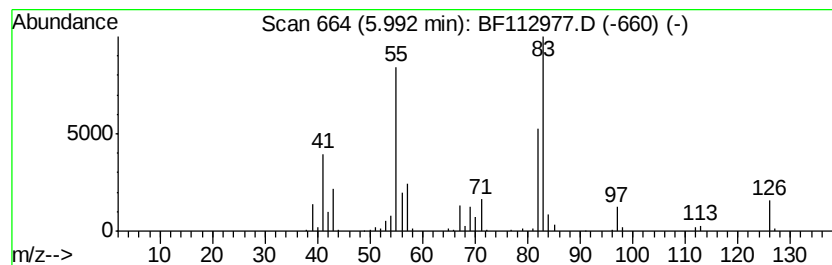
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.99	7.15 ng	382291	1,4-Dichlorobenzene-d4	6.73	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, propvl-	126	C9H18	001678-92-8	81
2	Cvclohexane, ethvl-	112	C8H16	001678-91-7	68
3	Cvclopentane, 1-ethvl-1-methvl-	112	C8H16	016747-50-5	62
4	Cvclohexane, decvl-	224	C16H32	001795-16-0	53
5	Oxalic acid, cyclohexyl octyl ester	284	C16H28O4	1000309-31-0	52



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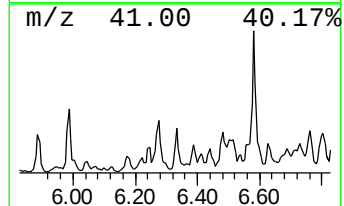
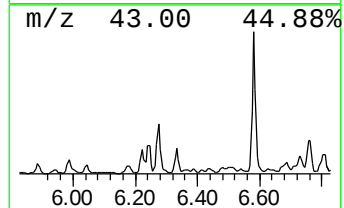
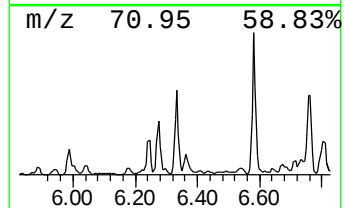
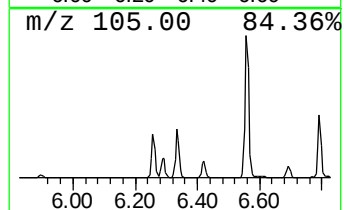
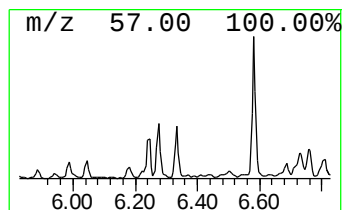
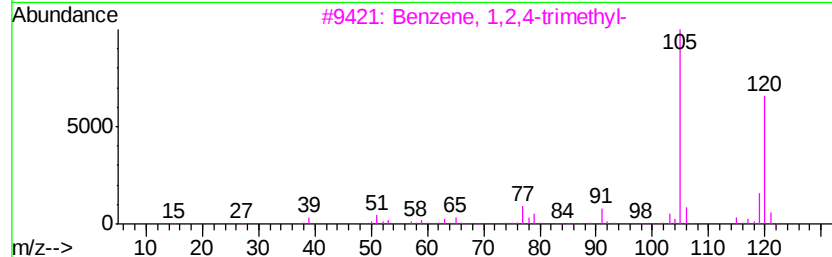
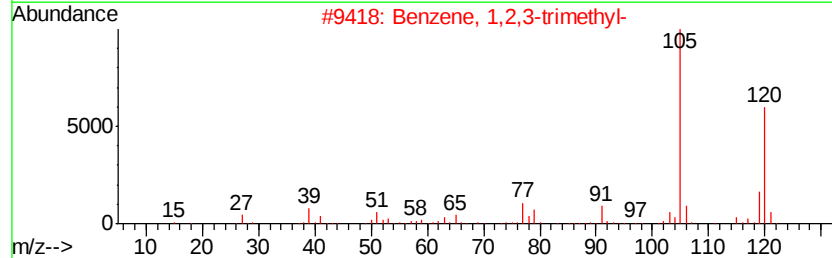
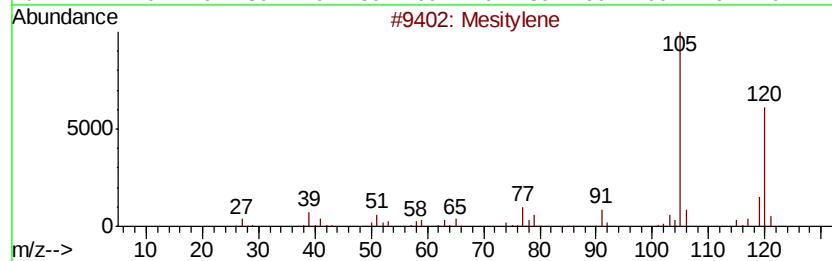
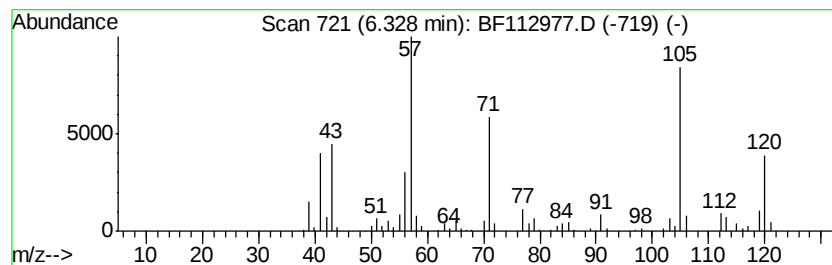
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Mesitylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	7.12 ng	380611	1,4-Dichlorobenzene-d4	6.73

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene		120	C9H12	000108-67-8	91
2	Benzene, 1,2,3-trimethyl-		120	C9H12	000526-73-8	91
3	Benzene, 1,2,4-trimethyl-		120	C9H12	000095-63-6	87
4	Benzene, 1-ethyl-2-methyl-		120	C9H12	000611-14-3	86
5	Benzene, 1-ethyl-3-methyl-		120	C9H12	000620-14-4	50



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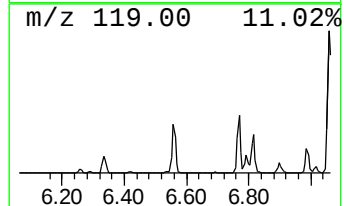
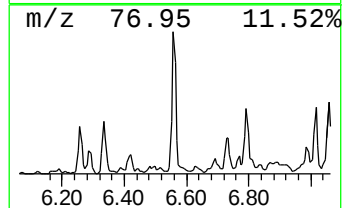
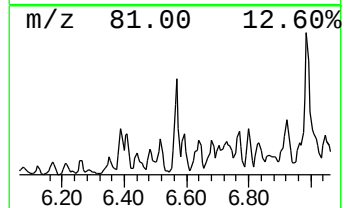
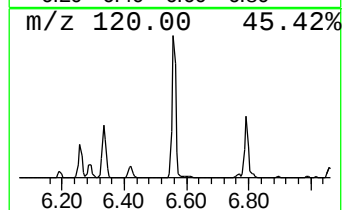
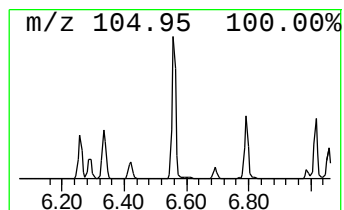
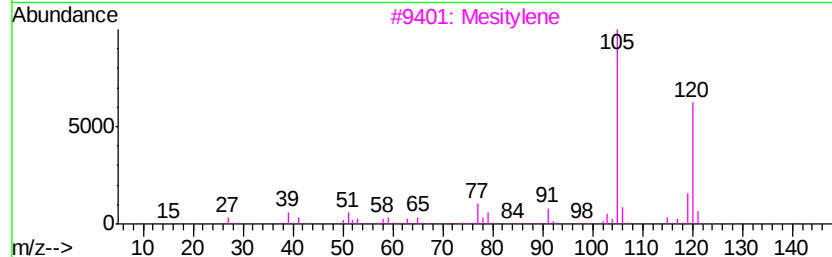
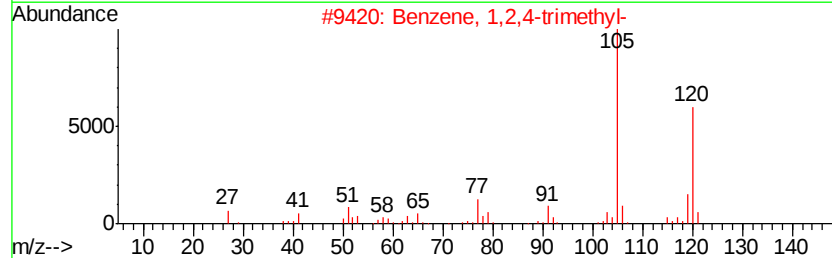
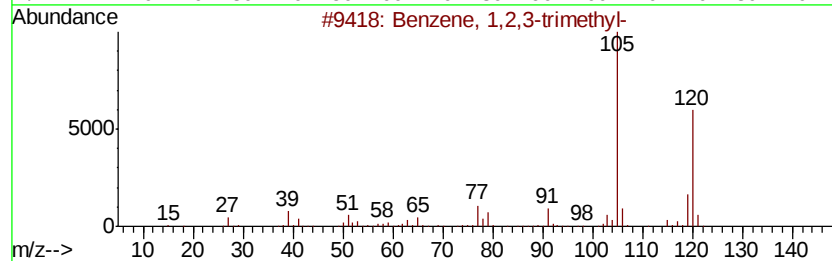
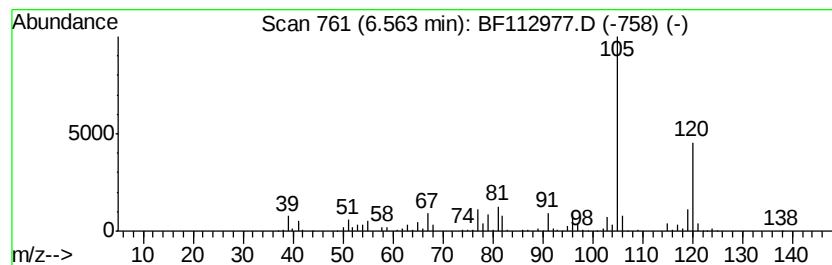
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	11.92 ng	637195	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3		Mesitylene	120	C9H12	000108-67-8	93
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



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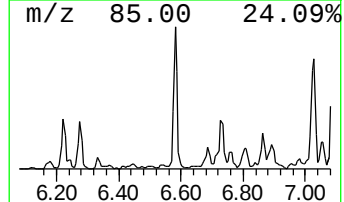
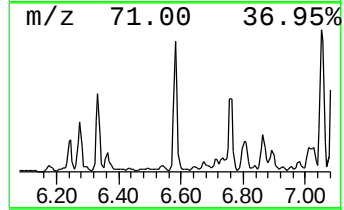
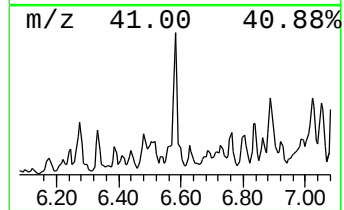
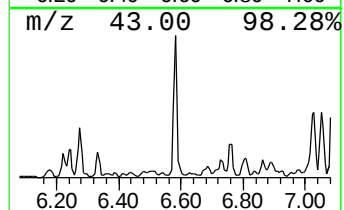
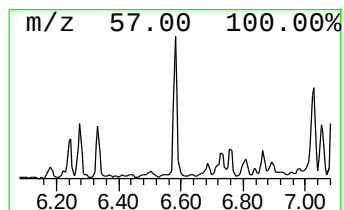
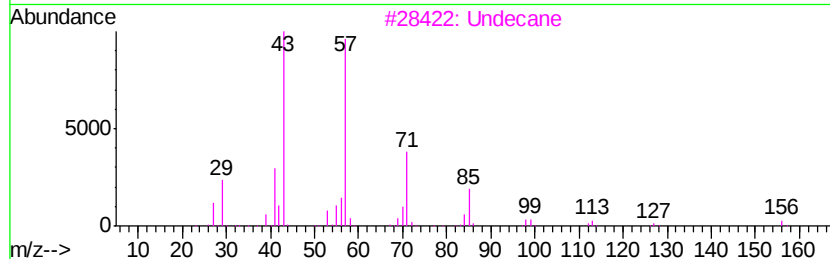
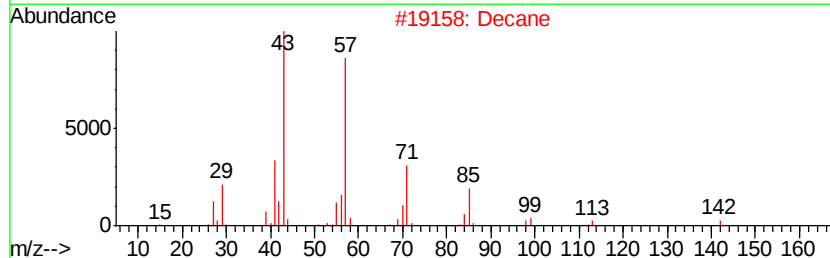
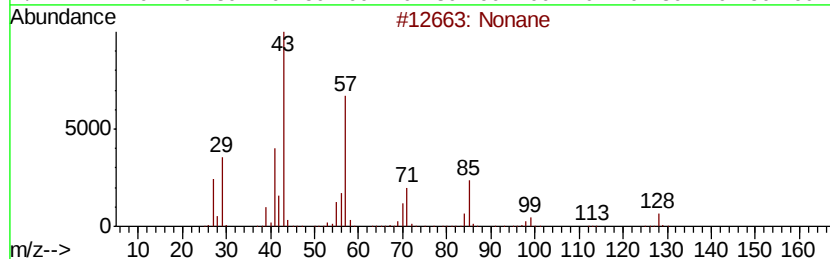
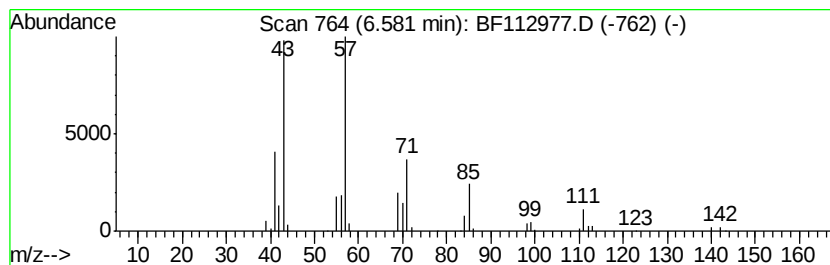
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Nonane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	13.00 ng	694958	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	86
2		Decane	142	C10H22	000124-18-5	81
3		Undecane	156	C11H24	001120-21-4	78
4		Tridecane	184	C13H28	000629-50-5	64
5		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
3-8-BOD

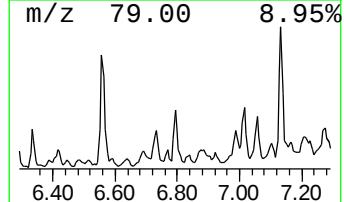
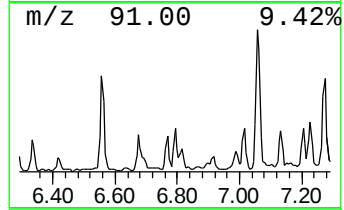
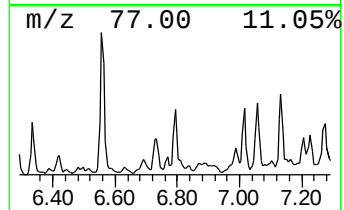
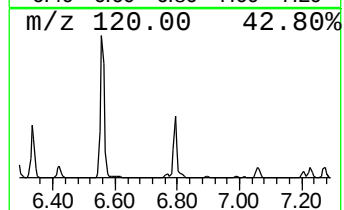
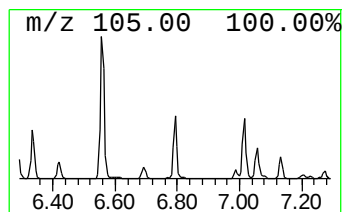
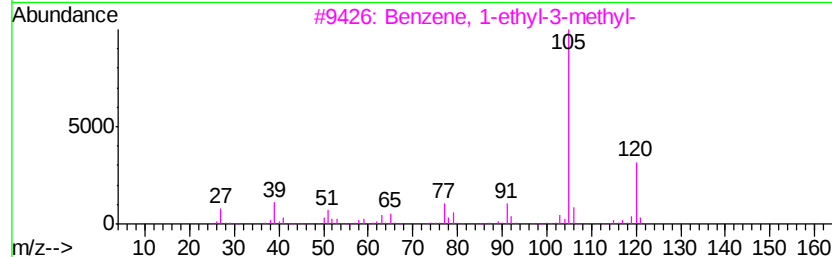
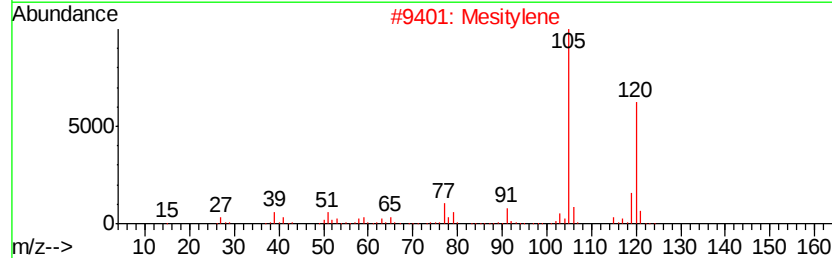
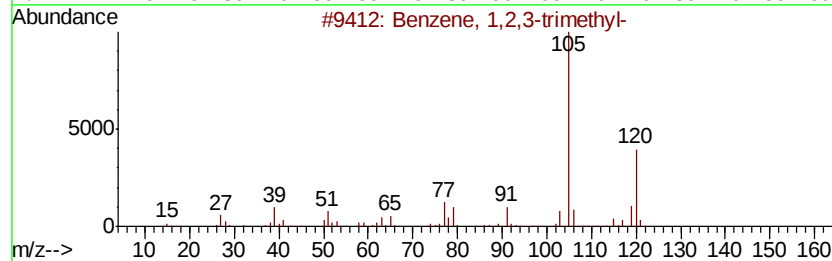
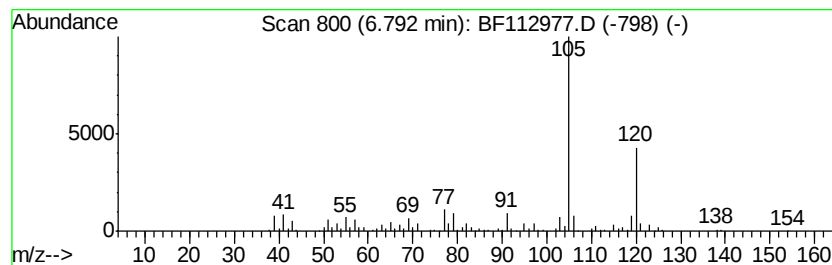
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown6.79 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	8.92 ng	476614	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Mesitylene	120	C9H12	000108-67-8	93
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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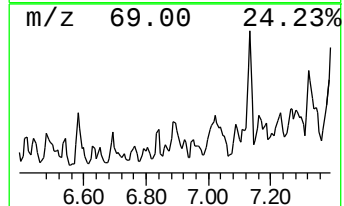
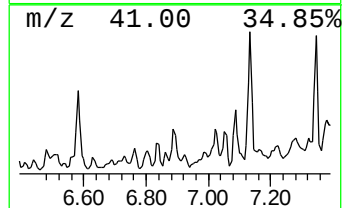
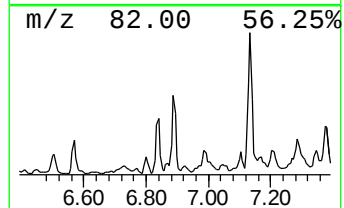
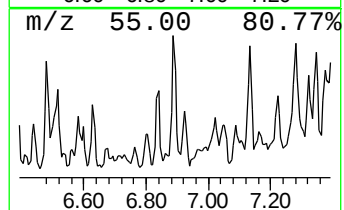
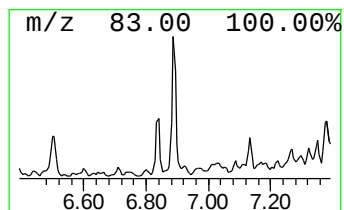
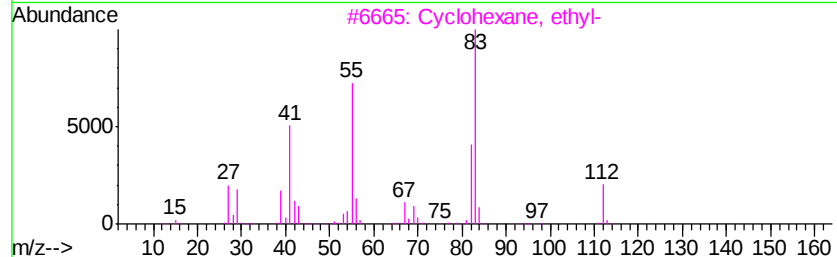
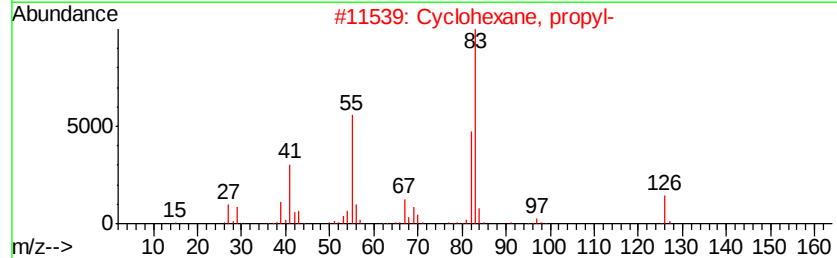
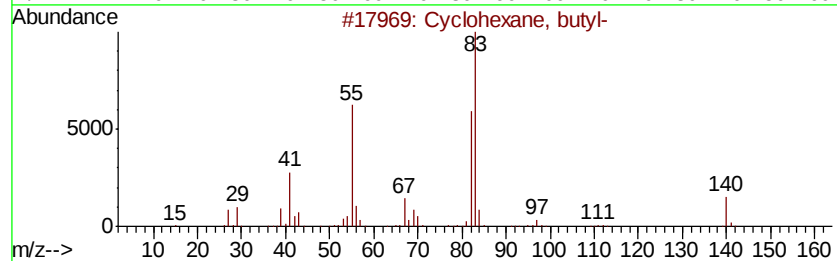
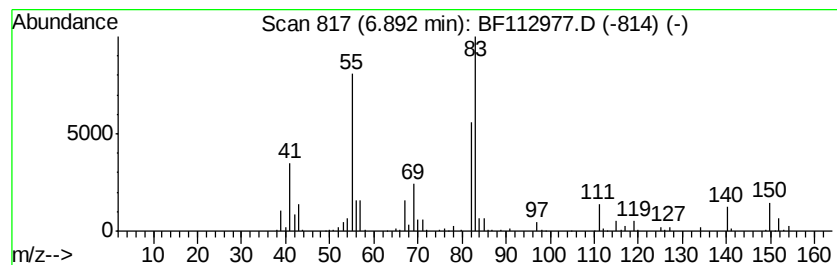
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclohexane, butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	7.25 ng	387533	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	53
5		Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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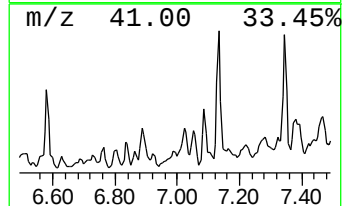
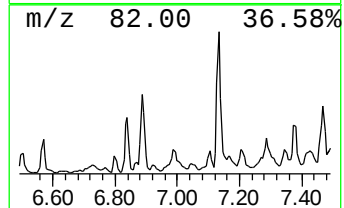
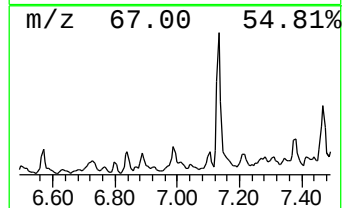
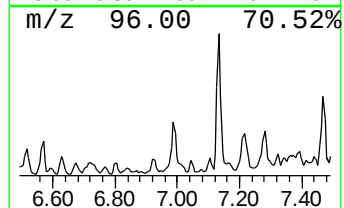
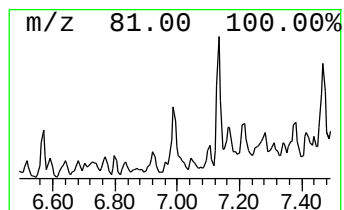
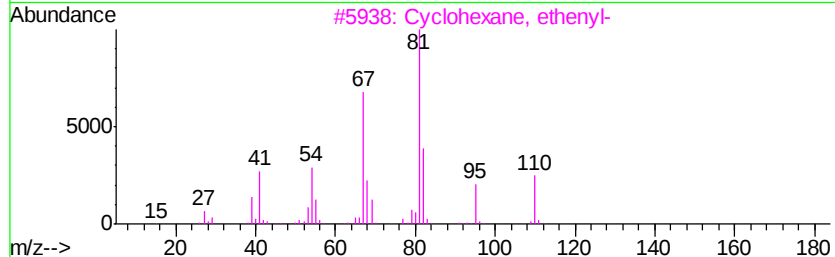
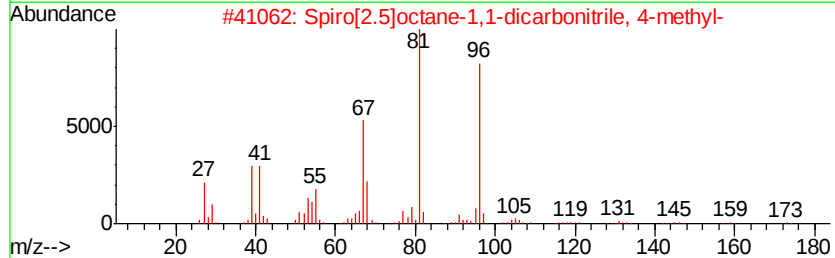
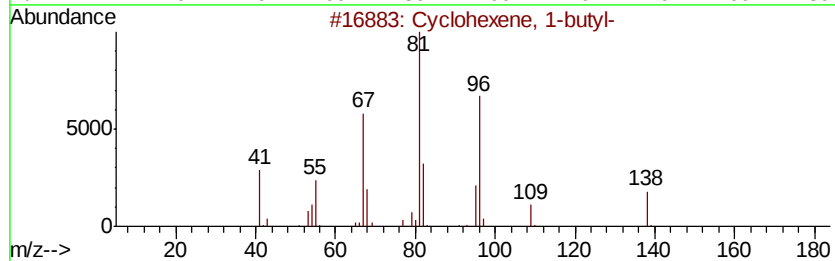
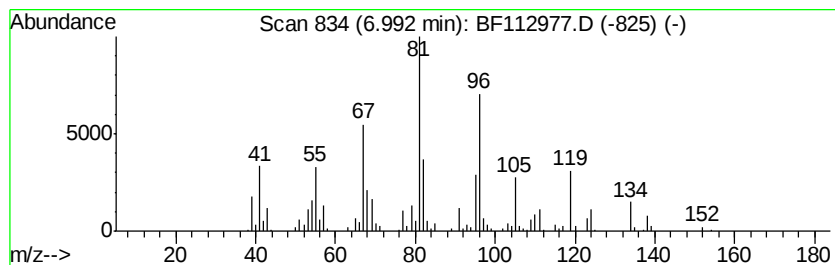
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclohexene, 1-butyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	8.84 ng	472574	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	81
2		Spiro[2.5]octane-1,1-dicarbonitr...	174	C11H14N2	1000151-43-1	53
3		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	52
4		Cyclohexane, ethylidene-	110	C8H14	001003-64-1	49
5		9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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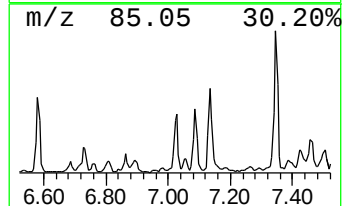
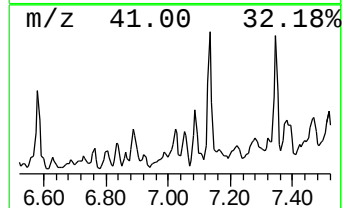
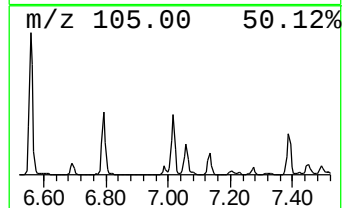
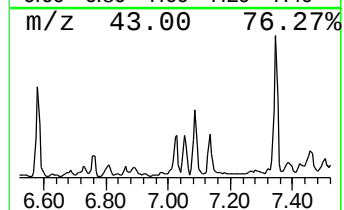
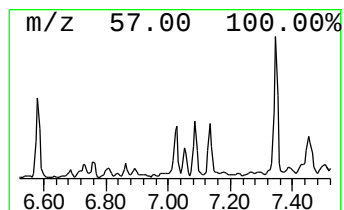
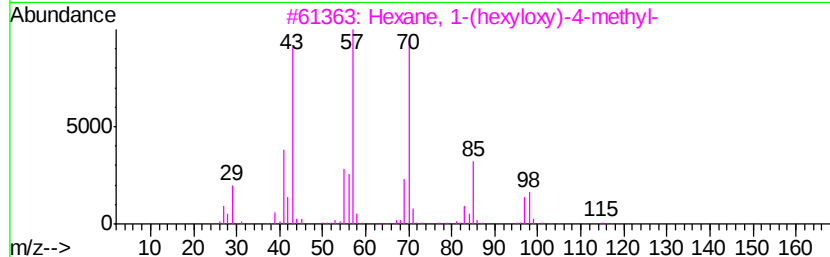
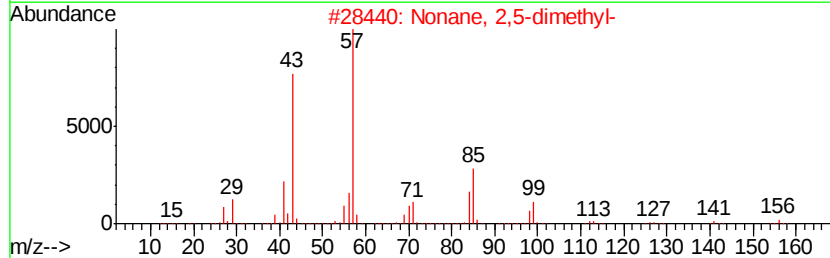
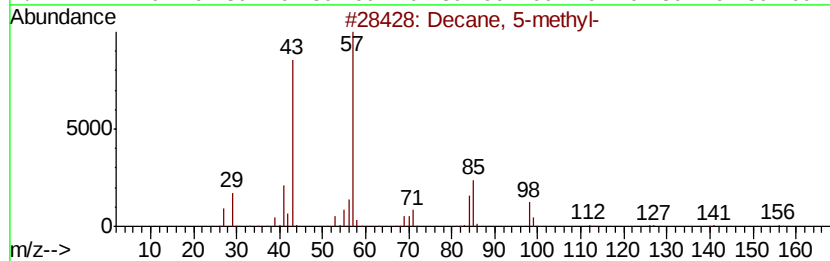
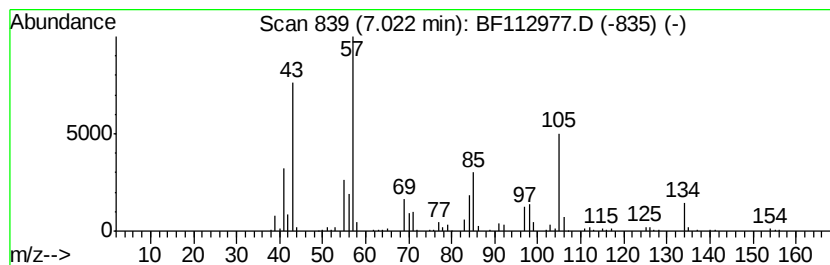
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Decane, 5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	8.85 ng	473156	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	52
2			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	47
3			Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	47
4			Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
5			Tridecane, 6-methyl-	198	C14H30	013287-21-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
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Misc :
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Instrument :
BNA_F
ClientSampleId :
3-8-BOD

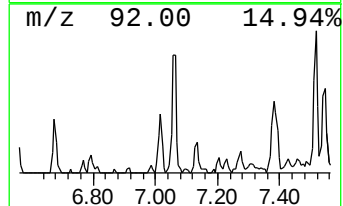
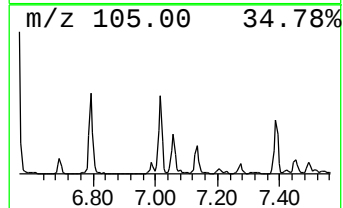
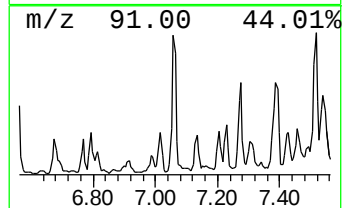
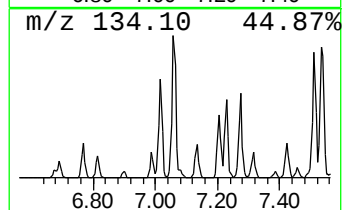
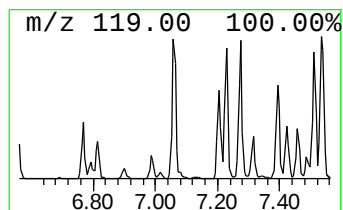
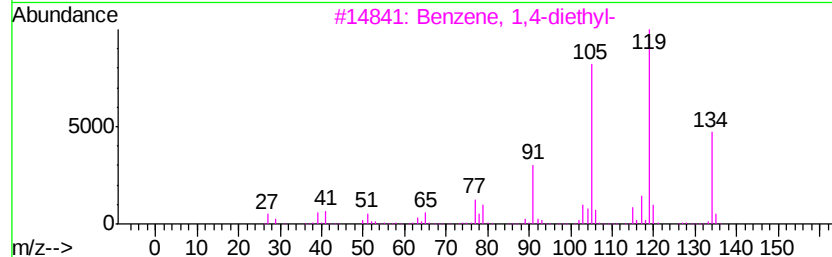
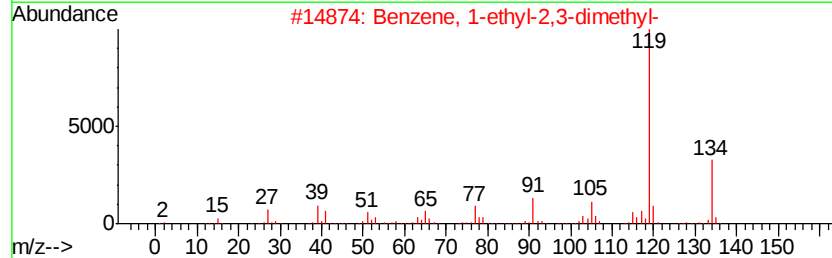
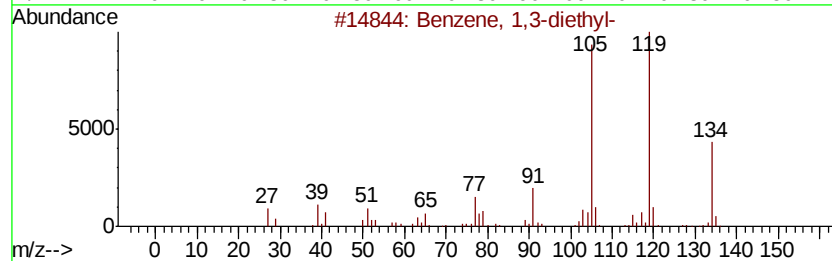
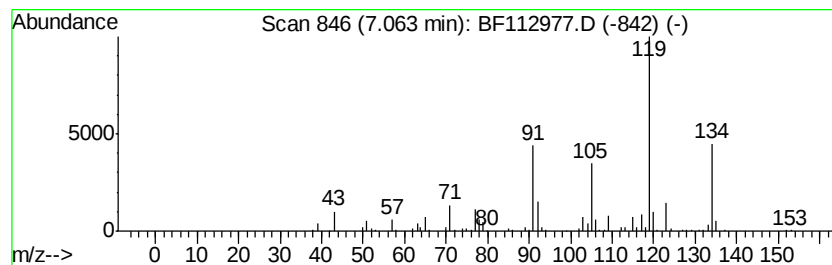
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1,3-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	10.51 ng	561595	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	89
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
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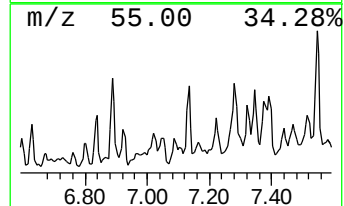
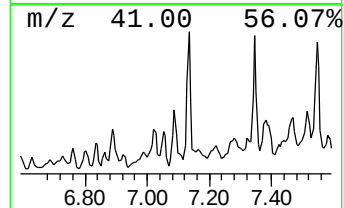
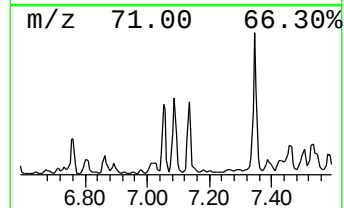
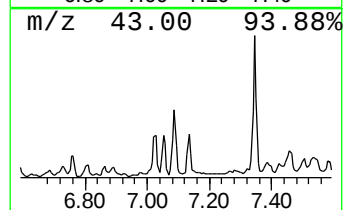
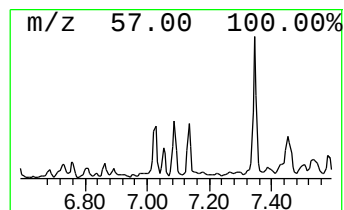
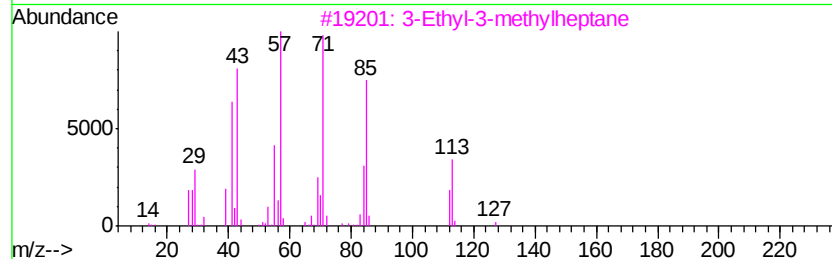
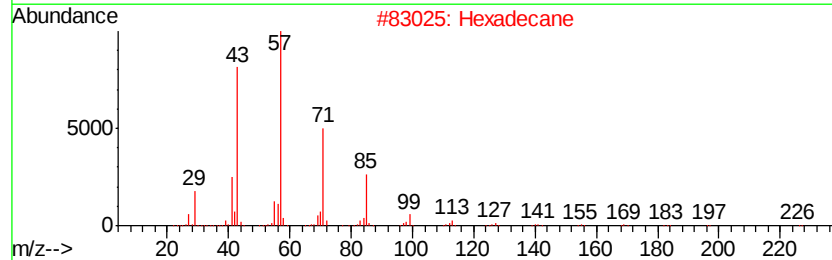
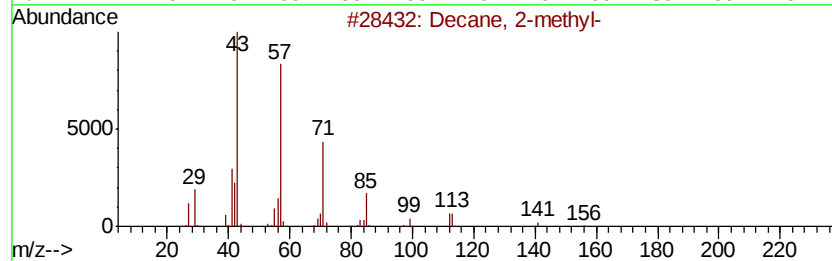
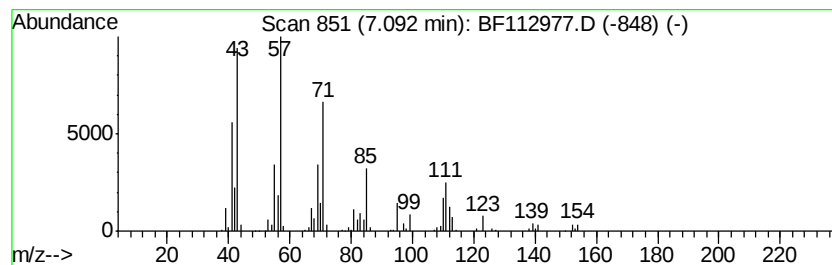
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Decane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	9.66 ng	516055	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2-methyl-	156	C11H24	006975-98-0	90
2			Hexadecane	226	C16H34	000544-76-3	59
3			3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	59
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	59
5			Tetradecane	198	C14H30	000629-59-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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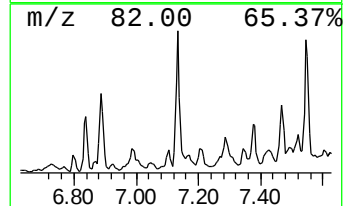
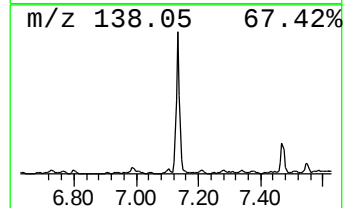
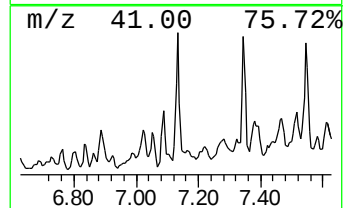
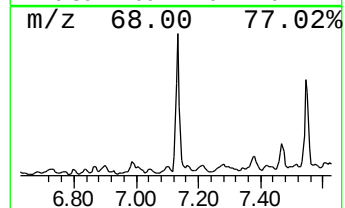
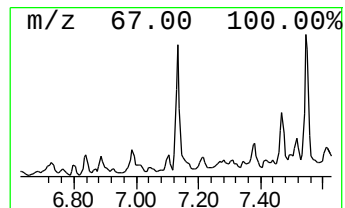
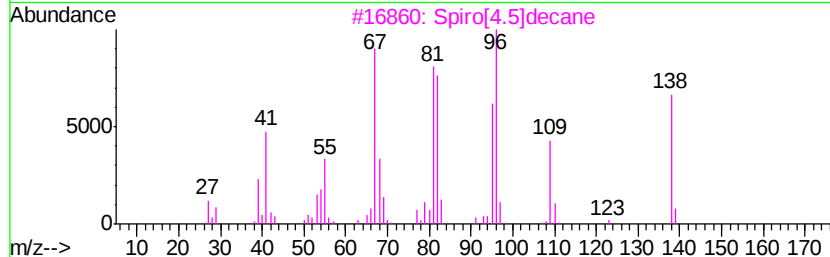
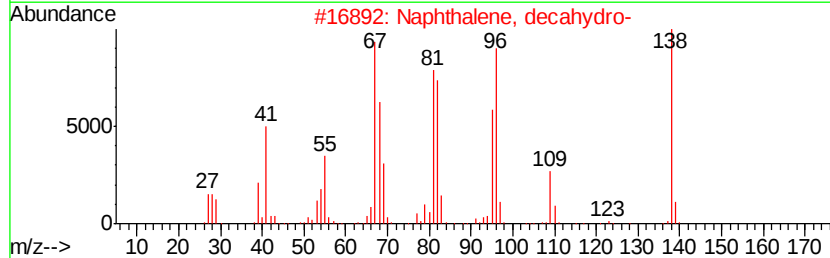
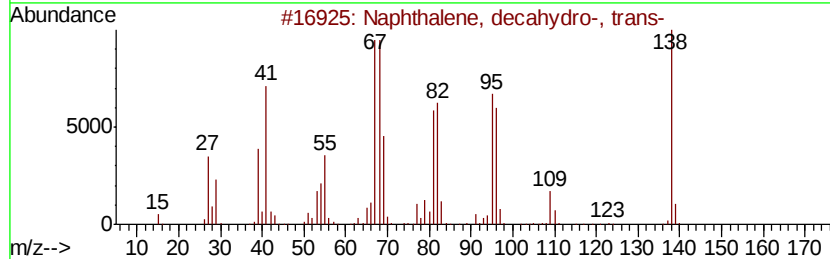
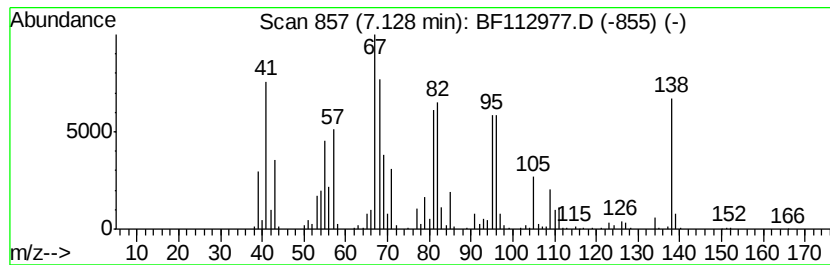
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, decahydro-, tr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	27.27 ng	1457480	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	96
3		Spiro[4.5]decane	138	C10H18	000176-63-6	83
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
5		Cyclopentanone, 2-(2-methylpropy...	138	C9H14O	016856-72-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
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ALS Vial : 25 Sample Multiplier: 1

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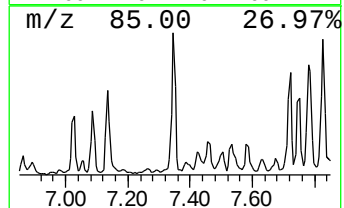
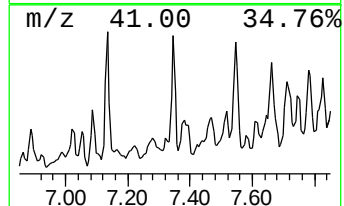
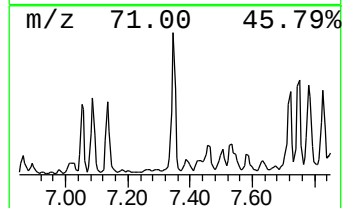
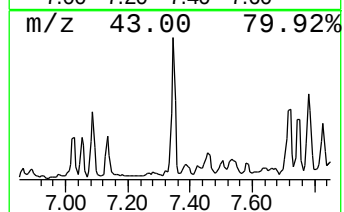
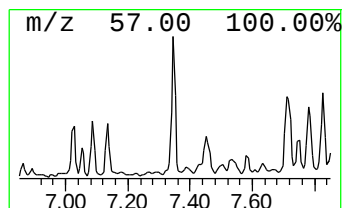
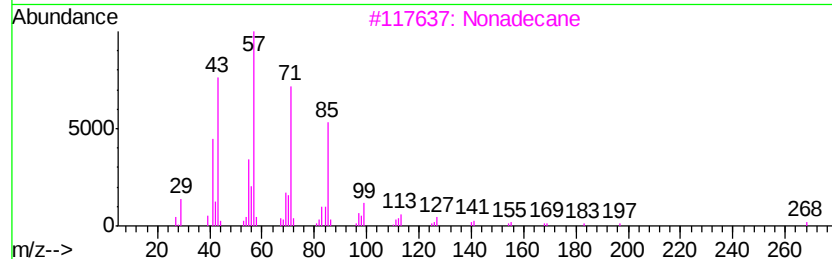
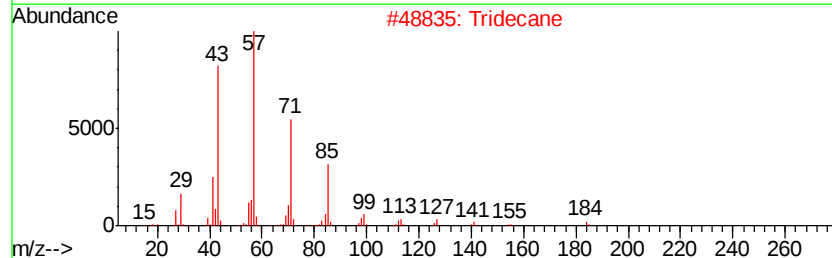
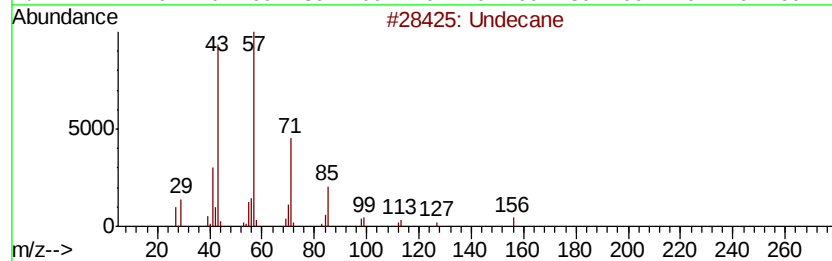
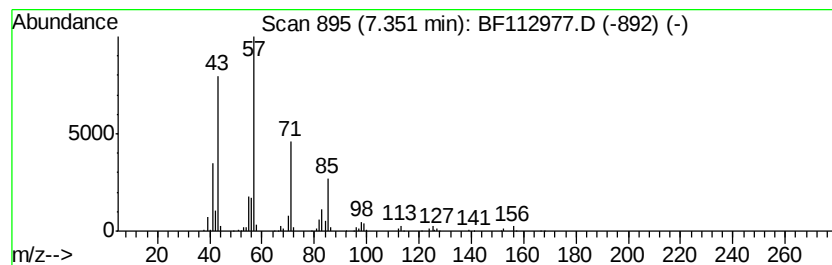
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	15.56 ng	831335	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	87
2		Tridecane	184	C13H28	000629-50-5	86
3		Nonadecane	268	C19H40	000629-92-5	78
4		Decane, 2-methyl-	156	C11H24	006975-98-0	72
5		Decane, 3-methyl-	156	C11H24	013151-34-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
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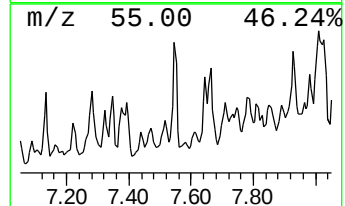
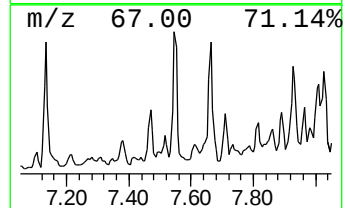
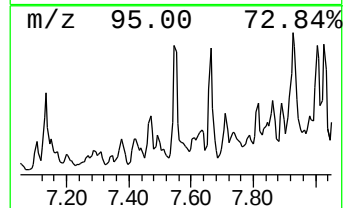
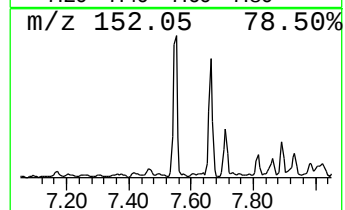
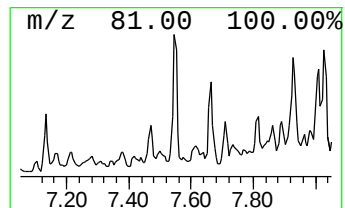
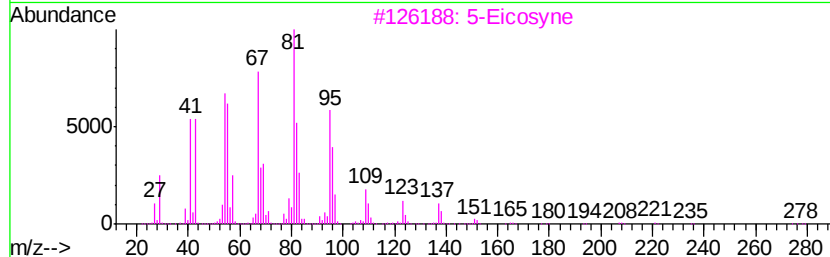
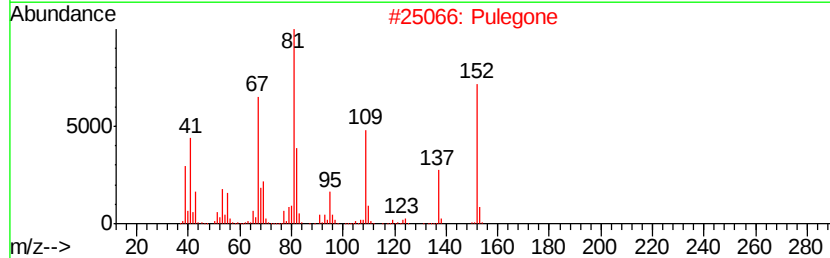
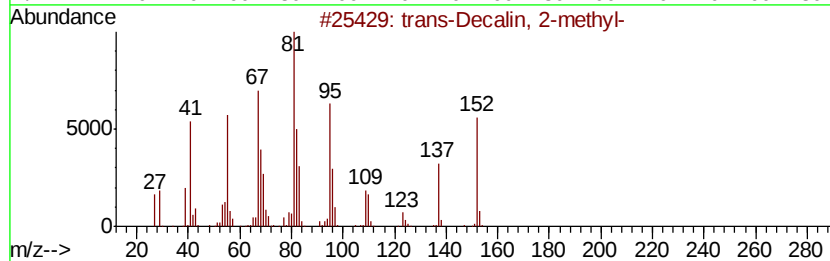
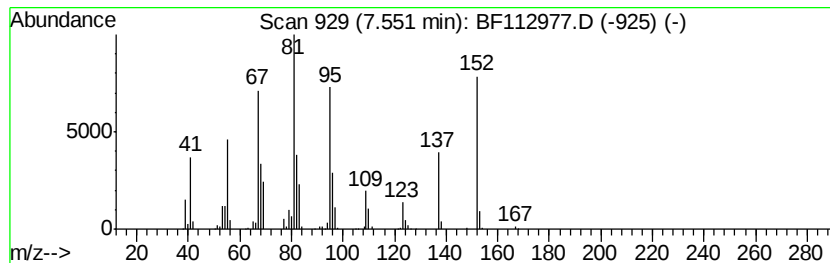
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 trans-Decalin, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	7.20 ng	1641360	Naphthalene-d8	8.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	90
2	Pulegone	152 C10H16O	000089-82-7	74
3	5-Eicosyne	278 C20H38	074685-31-7	74
4	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	70
5	Cyclohexane, 1-methyl-4-(1-methyl-...)	138 C10H18	001124-25-0	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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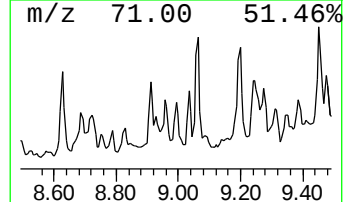
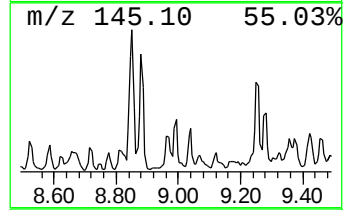
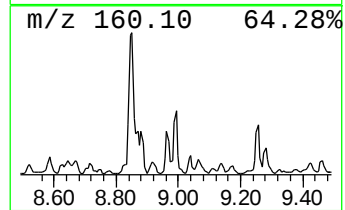
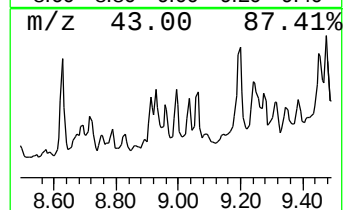
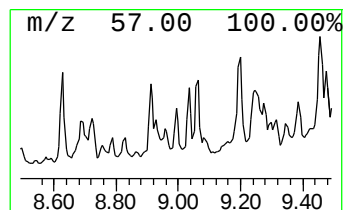
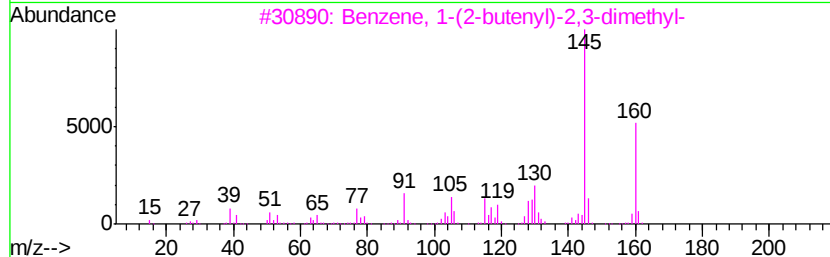
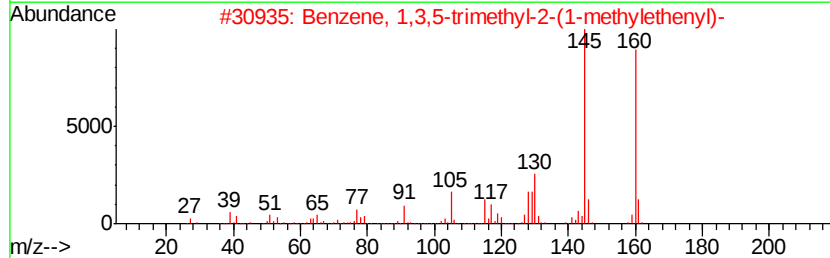
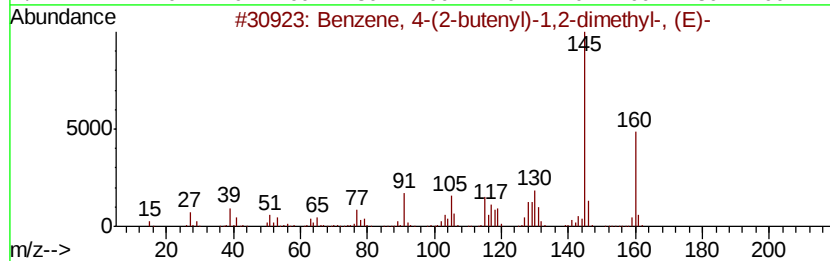
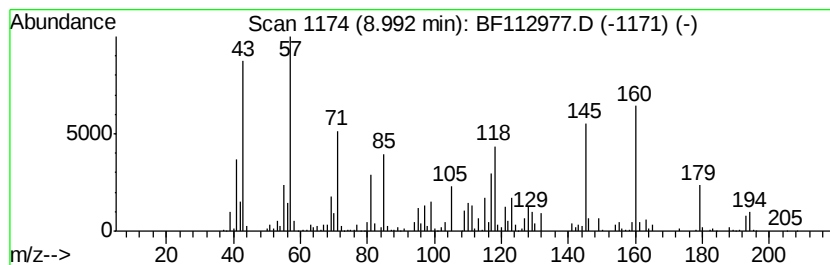
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown8.99 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	7.30 ng	1079250	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	30
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	30
4		4-Aminoquinazoline	145	C8H7N3	015018-66-3	25
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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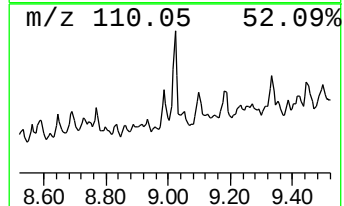
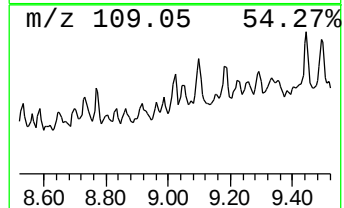
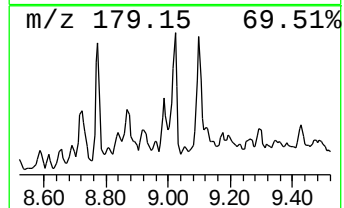
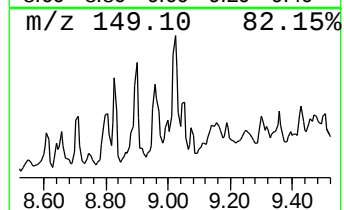
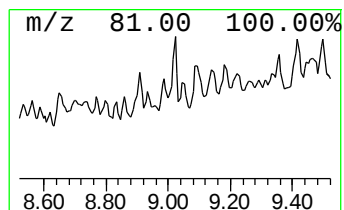
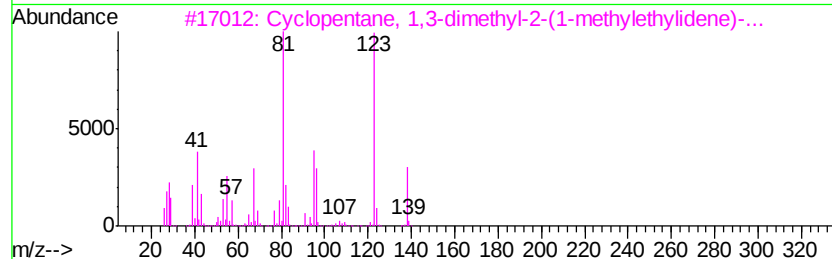
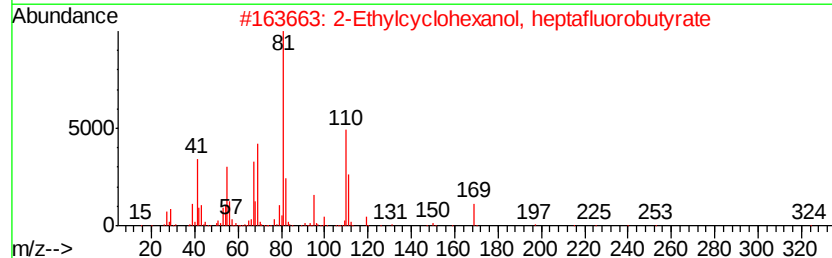
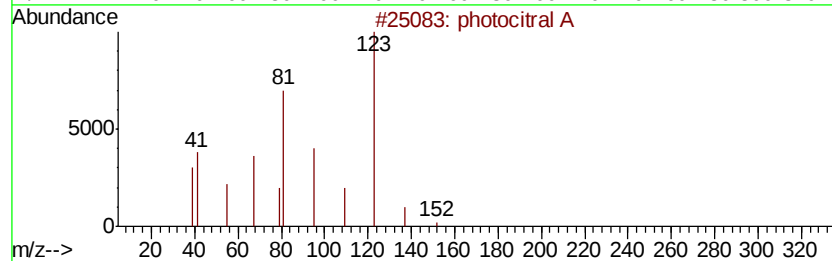
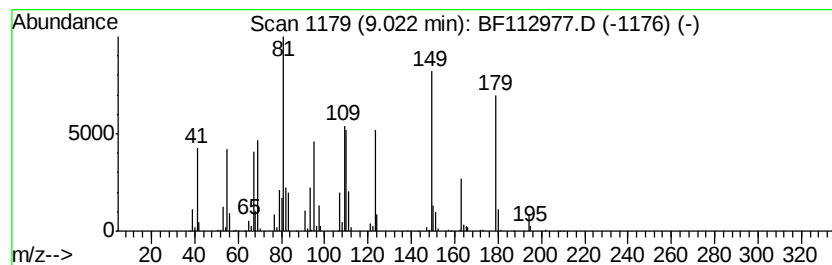
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown9.02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	9.88 ng	1460810	Acenaphthene-d10	9.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			photocitral A	152	C10H16O	055253-28-6	27
2			2-Ethylcyclohexanol, heptafluoro...	324	C12H15F7O2	959079-92-6	22
3			Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	22
4			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	18
5			Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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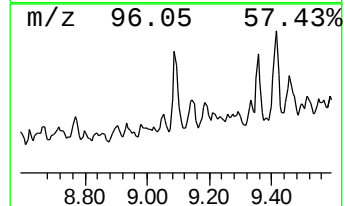
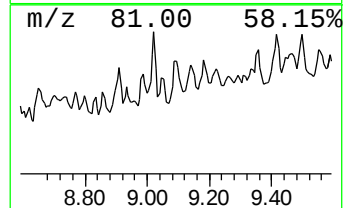
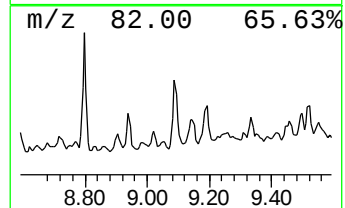
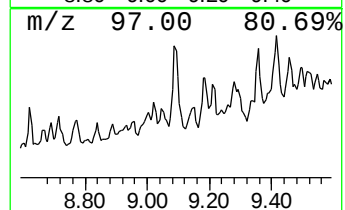
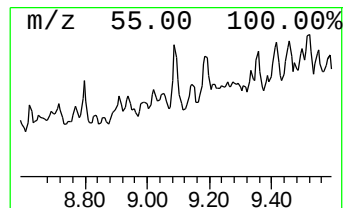
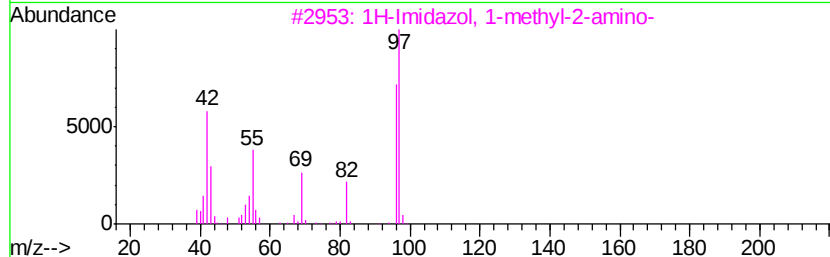
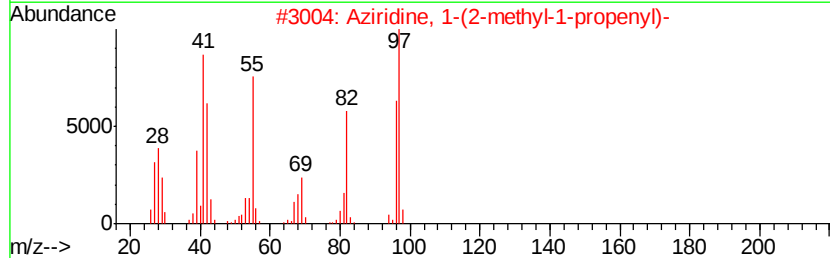
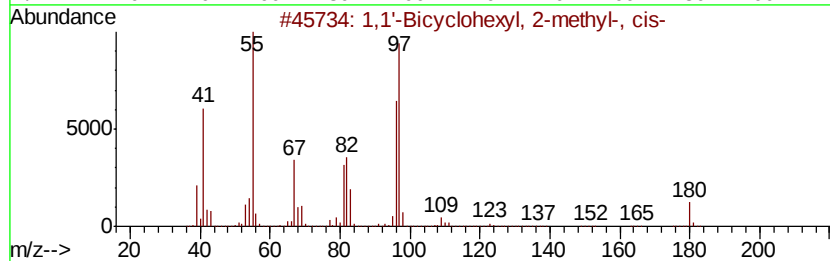
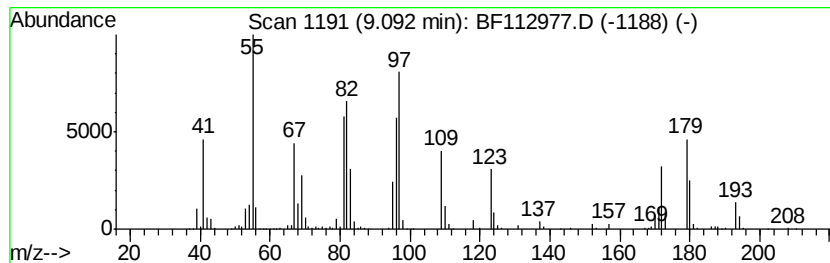
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown9.09 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	10.34 ng	1528250	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Bicyclohexyl, 2-methyl-, cis-	180	C13H24	050991-08-7	38
2		Aziridine, 1-(2-methyl-1-propenyl)-	97	C6H11N	080839-93-6	35
3		1H-Imidazol, 1-methyl-2-amino-	97	C4H7N3	006646-51-1	25
4		Cyclohexane, 1-(cyclohexylmethyl)-	194	C14H26	054823-94-8	22
5		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	001678-82-6	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
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Misc :
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ClientSampleId :
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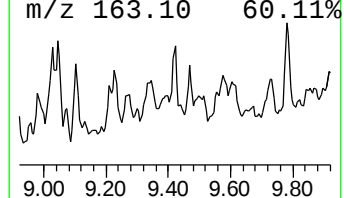
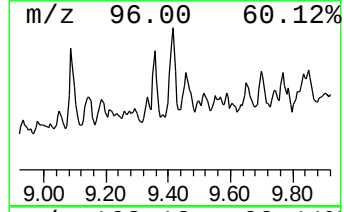
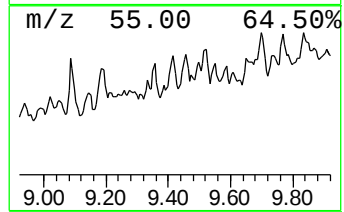
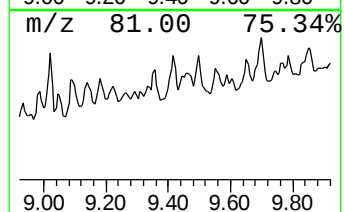
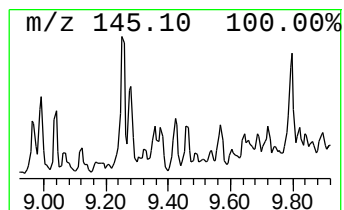
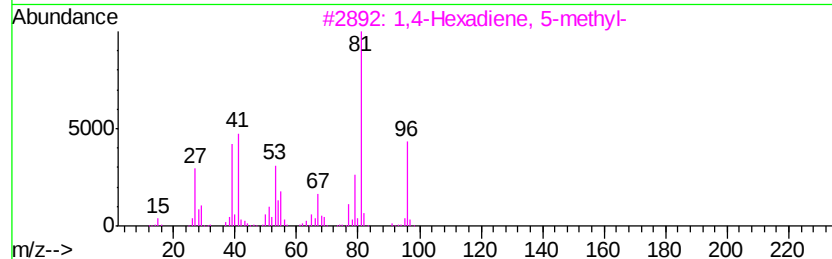
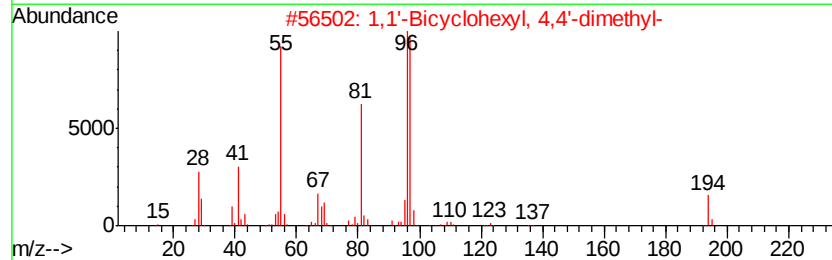
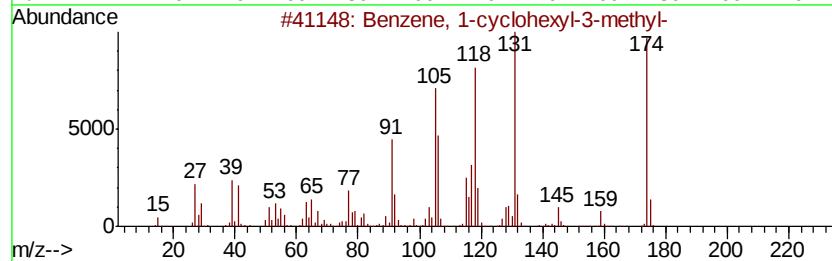
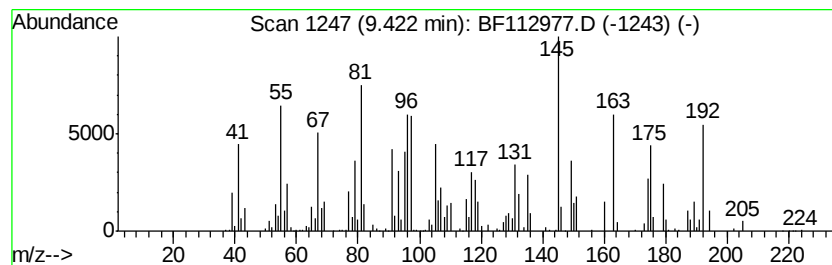
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzene, 1-cyclohexyl-3-met... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	10.44 ng	1542470	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-cyclohexyl-3-methyl-	174	C13H18	004575-46-6	59
2		1,1'-Bicyclohexyl, 4,4'-dimethyl-	194	C14H26	054823-99-3	55
3		1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	25
4		Furan, 2-ethyl-	96	C6H8O	003208-16-0	25
5		(1,4-Dimethylpent-2-enyl)benzene	174	C13H18	1000184-97-9	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

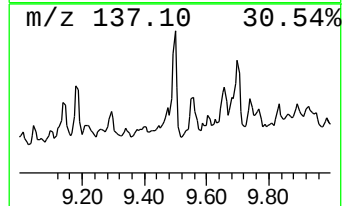
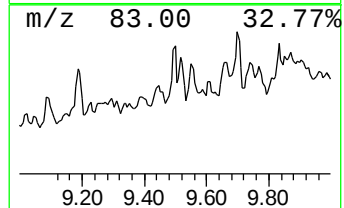
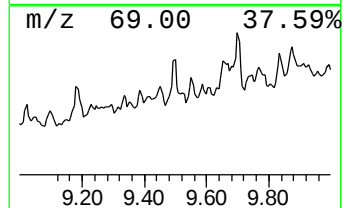
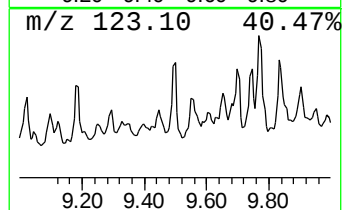
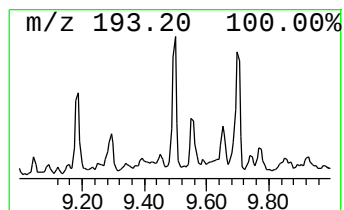
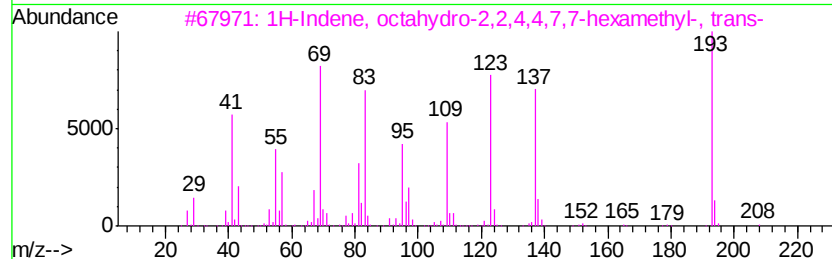
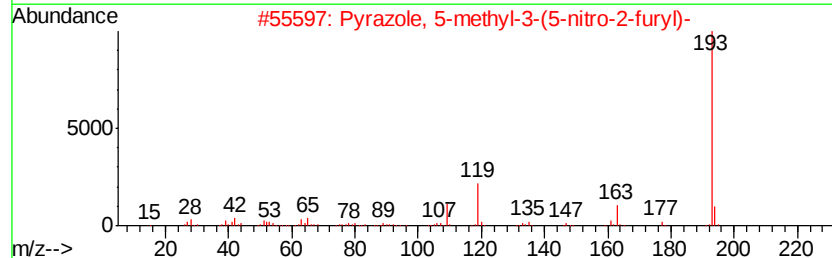
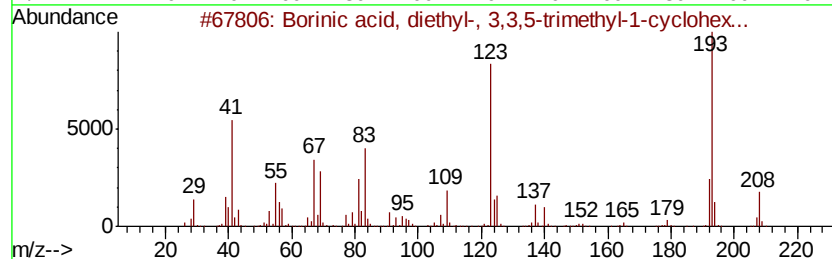
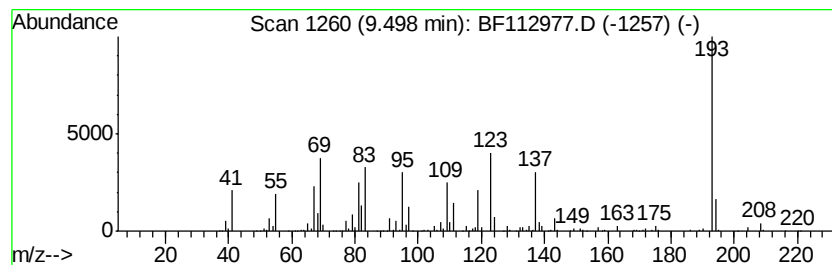
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown9.50 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	8.63 ng	1276070	Acenaphthene-d10	9.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Borinic acid, diethyl-, 3,3,5-tr...	208 C13H25B0	057387-76-5 47
2		Pyrazole, 5-methyl-3-(5-nitro-2-...	193 C8H7N3O3	016239-90-0 43
3		1H-Indene, octahydro-2,2,4,4,7,7...	208 C15H28	054832-83-6 38
4		2-Diethylamino-4-phenylthiooct-2...	302 C18H26N2S	1000090-57-0 35
5		9-Vinylcarbazole	193 C14H11N	001484-13-5 27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
Acq On : 12 Mar 2019 1:33
Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-8-BOD

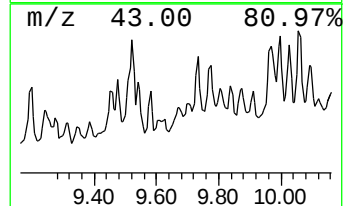
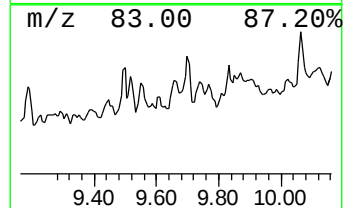
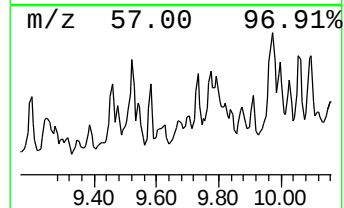
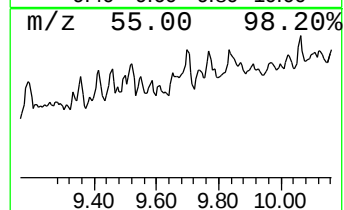
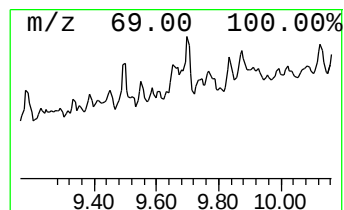
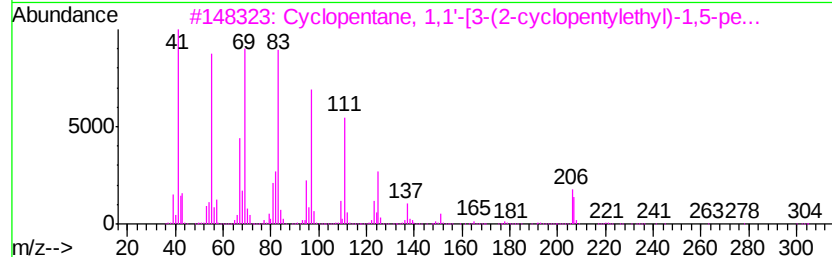
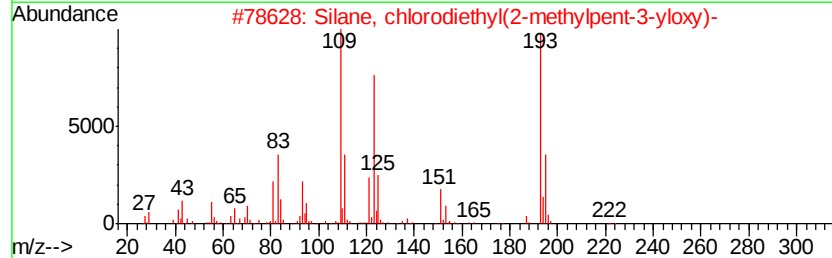
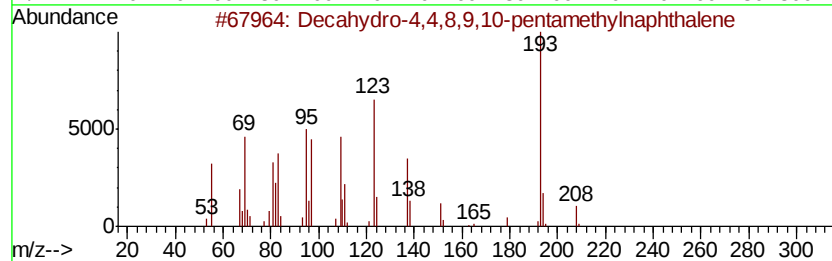
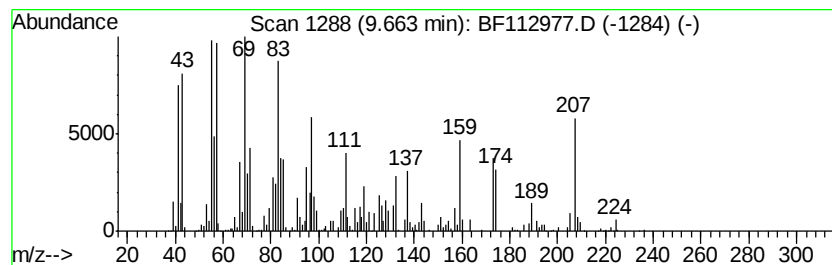
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Decahydro-4,4,8,9,10-pentam... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	10.07 ng	1488200	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	86
2		Silane, chlorodiethyl(2-methylpe...	222	C10H23ClOSi	1000363-79-1	42
3		Cyclopentane, 1,1'-[3-(2-cyclope...	304	C22H40	055255-85-1	38
4		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	27
5		Neopentylidenecyclohexane	152	C11H20	039546-80-0	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112977.D
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Operator : JU/SJ
Sample : K1822-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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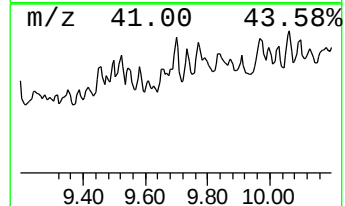
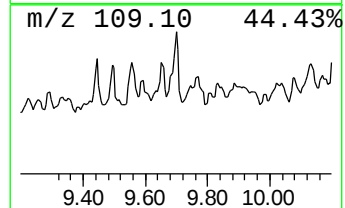
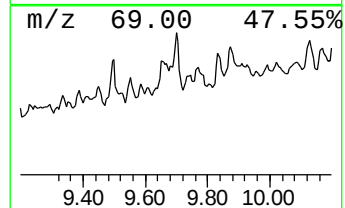
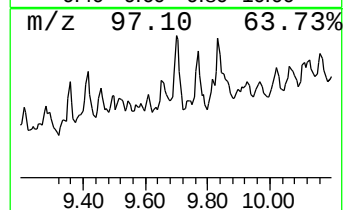
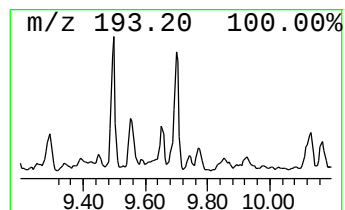
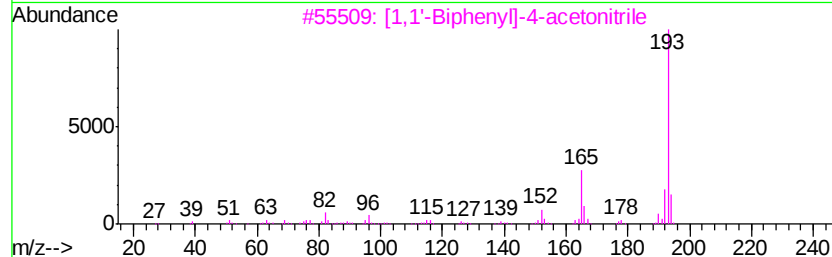
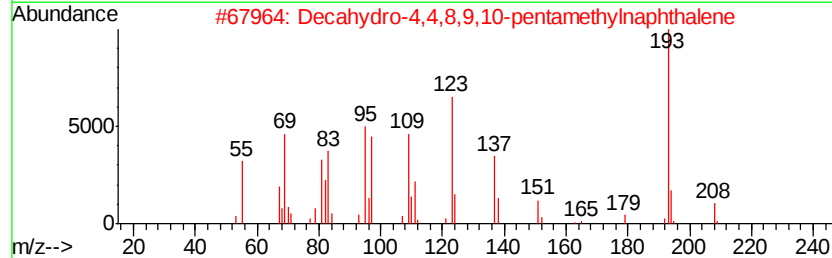
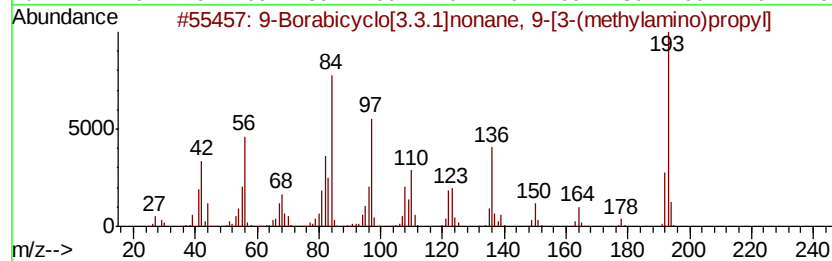
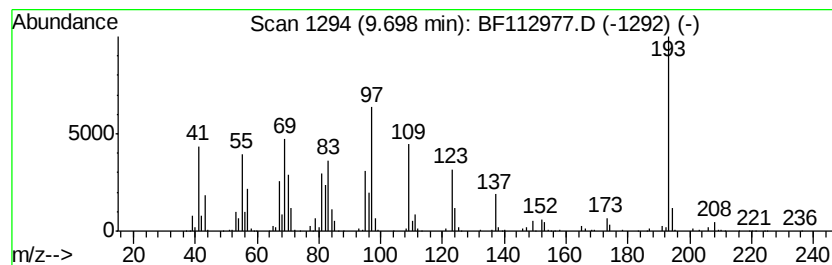
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9-Borabicyclo[3.3.1]nonane,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	14.79 ng	2185900	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Borabicyclo[3.3.1]nonane, 9-[3...	193	C12H24BN	1000162-56-0	50
2		Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	30
3		[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	27
4		Butan-2-one, 1-[3-(3,3-dimethyl-...	278	C16H26N2O2	1000303-34-2	27
5		1-Bromo-1-methyl-1-silacyclohexane	192	C6H13BrSi	085125-32-2	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
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 Acq On : 12 Mar 2019 1:33
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 Sample : K1822-02 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-8-BOD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
Cyclohexane, propyl-	5.99	7.2 ng		382291	1	6.73	1068860	20.0
Mesitylene	6.33	7.1 ng		380611	1	6.73	1068860	20.0
Benzene, 1,2,3-tr...	6.56	11.9 ng		637195	1	6.73	1068860	20.0
Nonane	6.58	13.0 ng		694958	1	6.73	1068860	20.0
unknown6.79	6.79	8.9 ng		476614	1	6.73	1068860	20.0
Cyclohexane, butyl-	6.89	7.3 ng		387533	1	6.73	1068860	20.0
Cyclohexene, 1-bu...	6.99	8.8 ng		472574	1	6.73	1068860	20.0
Decane, 5-methyl-	7.02	8.8 ng		473156	1	6.73	1068860	20.0
Benzene, 1,3-diet...	7.06	10.5 ng		561595	1	6.73	1068860	20.0
Decane, 2-methyl-	7.09	9.7 ng		516055	1	6.73	1068860	20.0
Naphthalene, deca...	7.13	27.3 ng		1457480	1	6.73	1068860	20.0
Undecane	7.35	15.6 ng		831335	1	6.73	1068860	20.0
trans-Decalin, 2-...	7.55	7.2 ng		1641360	2	8.02	4560590	20.0
unknown8.99	8.99	7.3 ng		1079250	3	9.78	2955820	20.0
unknown9.02	9.02	9.9 ng		1460810	3	9.78	2955820	20.0
unknown9.09	9.09	10.3 ng		1528250	3	9.78	2955820	20.0
Benzene, 1-cycloh...	9.42	10.4 ng		1542470	3	9.78	2955820	20.0
unknown9.50	9.50	8.6 ng		1276070	3	9.78	2955820	20.0
Decahydro-4,4,8,9...	9.66	10.1 ng		1488200	3	9.78	2955820	20.0
9-Borabicyclo[3.3...	9.70	14.8 ng		2185900	3	9.78	2955820	20.0