

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111545.D
 Acq On : 17 Dec 2018 18:08
 Operator : JU/SJ
 Sample : J6438-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

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-BF121418.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	2.240	22	26	32	rVB	149741	194782	3.35%	0.205%
2	2.587	69	85	88	rBV	2077597	5698604	98.12%	5.983%
3	3.634	255	263	269	rBV	138759	209625	3.61%	0.220%
4	3.869	299	303	313	rVB	204937	300238	5.17%	0.315%
5	4.328	371	381	389	rBV2	87176	274886	4.73%	0.289%
6	4.934	478	484	490	rBV	229976	265817	4.58%	0.279%
7	4.998	490	495	500	rBV	656287	783325	13.49%	0.822%
8	5.093	508	511	516	rBV	93141	157621	2.71%	0.165%
9	5.151	517	521	523	rVV	127720	184202	3.17%	0.193%
10	5.198	523	529	533	rVB3	101930	200079	3.45%	0.210%
11	5.375	554	559	562	rBV3	127711	218066	3.75%	0.229%
12	5.428	565	568	573	rVB	2103246	1962752	33.80%	2.061%
13	5.616	597	600	605	rVB3	279735	330382	5.69%	0.347%
14	5.745	618	622	628	rVB	663002	623047	10.73%	0.654%
15	5.981	650	662	666	rBV	829593	1662987	28.63%	1.746%
16	6.034	667	671	675	rBV	240228	268744	4.63%	0.282%
17	6.334	717	722	725	rBV	157967	148381	2.55%	0.156%
18	6.445	735	741	747	rBV2	1151265	1462572	25.18%	1.536%
19	6.540	750	757	759	rVV2	260901	646357	11.13%	0.679%
20	6.569	759	762	767	rVV	3287645	3188011	54.89%	3.347%
21	6.616	767	770	771	rVV	181667	205110	3.53%	0.215%
22	6.628	771	772	775	rVV	231746	155541	2.68%	0.163%
23	6.787	796	799	802	rBV	929293	749734	12.91%	0.787%
24	6.863	808	812	815	rVB	1287467	1190130	20.49%	1.250%
25	6.910	817	820	822	rVV2	129842	145226	2.50%	0.152%
26	6.945	822	826	831	rVV3	3883422	4814780	82.90%	5.055%
27	6.987	831	833	837	rVB	342228	304573	5.24%	0.320%
28	7.216	861	872	881	rBV4	344659	787051	13.55%	0.826%
29	7.351	890	895	898	rBV	2391634	2434928	41.93%	2.557%
30	7.534	919	926	928	rVV	644109	871837	15.01%	0.915%
31	7.557	928	930	933	rVB	477018	455877	7.85%	0.479%
32	7.616	937	940	942	rBV	165984	149618	2.58%	0.157%
33	7.645	942	945	947	rBV	223210	208196	3.58%	0.219%
34	7.669	947	949	953	rVB3	210406	210309	3.62%	0.221%

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.751	957	963	965	rBV7	88341	174388	3.00%	0.183%
36	7.816	970	974	978	rBV	514703	572796	9.86%	0.601%
37	7.869	978	983	985	rBV	583440	828564	14.27%	0.870%
38	7.892	985	987	992	rVV	499776	638968	11.00%	0.671%
39	7.998	999	1005	1010	rVB	3073839	4332647	74.60%	4.549%
40	8.069	1010	1017	1023	rVB	1195930	1387019	23.88%	1.456%
41	8.186	1024	1037	1039	rBV	1548928	3092895	53.25%	3.247%
42	8.222	1041	1043	1045	rVV2	363749	367187	6.32%	0.386%
43	8.316	1054	1059	1062	rVB2	206505	329454	5.67%	0.346%
44	8.351	1062	1065	1069	rBV5	109848	193173	3.33%	0.203%
45	8.392	1069	1072	1075	rVV	228907	213365	3.67%	0.224%
46	8.439	1075	1080	1083	rVB3	514826	608018	10.47%	0.638%
47	8.492	1083	1089	1090	rBV5	170051	284811	4.90%	0.299%
48	8.528	1090	1095	1097	rVV	398288	594818	10.24%	0.625%
49	8.586	1100	1105	1106	rVV	322194	424519	7.31%	0.446%
50	8.651	1110	1116	1120	rVB2	752221	1311519	22.58%	1.377%
51	8.722	1124	1128	1130	rBV4	195775	205617	3.54%	0.216%
52	8.969	1158	1170	1173	rBV	737926	1384799	23.84%	1.454%
53	9.016	1173	1178	1183	rVV	996449	1306007	22.49%	1.371%
54	9.057	1183	1185	1187	rVV2	363901	449440	7.74%	0.472%
55	9.081	1187	1189	1191	rVV	420275	367586	6.33%	0.386%
56	9.151	1195	1201	1207	rBV	4645846	4531894	78.03%	4.758%
57	9.210	1208	1211	1213	rBV2	394604	341156	5.87%	0.358%
58	9.257	1217	1219	1223	rVV2	198052	188780	3.25%	0.198%
59	9.310	1223	1228	1233	rVB	1081763	1212370	20.87%	1.273%
60	9.375	1233	1239	1241	rBV	369949	453067	7.80%	0.476%
61	9.463	1245	1254	1260	rVV2	961752	1947574	33.53%	2.045%
62	9.539	1263	1267	1270	rVV2	328445	412348	7.10%	0.433%
63	9.575	1270	1273	1275	rVV2	487042	620303	10.68%	0.651%
64	9.598	1275	1277	1280	rVV2	560134	552797	9.52%	0.580%
65	9.645	1280	1285	1288	rVV2	2008295	2207548	38.01%	2.318%
66	9.692	1290	1293	1297	rVV	543126	660435	11.37%	0.693%
67	9.745	1299	1302	1308	rVV	654050	686041	11.81%	0.720%
68	9.828	1312	1316	1319	rVV	1977657	2036587	35.07%	2.138%
69	9.892	1323	1327	1330	rBV2	536255	591353	10.18%	0.621%
70	9.922	1330	1332	1334	rVV	344964	325263	5.60%	0.342%
71	9.945	1334	1336	1341	rVV	696626	644565	11.10%	0.677%

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72	9.992	1341	1344	1347	rVV2	215936	164201	2.83%	0.172%
73	10.080	1357	1359	1363	rVB2	174282	168030	2.89%	0.176%
74	10.222	1380	1383	1385	rVB2	210893	212979	3.67%	0.224%
75	10.363	1404	1407	1409	rBV	231803	202506	3.49%	0.213%
76	10.480	1424	1427	1430	rVB2	256715	232864	4.01%	0.244%
77	10.616	1446	1450	1454	rBV	2970866	3153373	54.30%	3.311%
78	10.733	1467	1470	1473	rVB	360489	284555	4.90%	0.299%
79	10.875	1489	1494	1496	rBV3	193508	308966	5.32%	0.324%
80	10.898	1496	1498	1501	rVB4	173426	180753	3.11%	0.190%
81	11.310	1564	1568	1571	rBV	1587113	1296429	22.32%	1.361%
82	11.845	1655	1659	1662	rBV3	756333	766580	13.20%	0.805%
83	11.969	1677	1680	1685	rBV	614764	630484	10.86%	0.662%
84	12.304	1730	1737	1740	rBV	2998477	3831338	65.97%	4.023%
85	12.557	1778	1780	1782	rBV	181236	145719	2.51%	0.153%
86	12.580	1782	1784	1788	rVB	670843	542167	9.34%	0.569%
87	12.627	1789	1792	1796	rBV	451589	425079	7.32%	0.446%
88	12.898	1833	1838	1841	rBV	4081935	3923749	67.56%	4.120%
89	13.286	1901	1904	1911	rBV	919909	811122	13.97%	0.852%
90	13.339	1911	1913	1919	rVB2	248011	213351	3.67%	0.224%
91	13.792	1987	1990	1997	rVB3	238573	314738	5.42%	0.330%
92	13.945	2012	2016	2026	rBV	1069193	988526	17.02%	1.038%
93	14.157	2049	2052	2057	rBV	874489	849847	14.63%	0.892%
94	14.421	2094	2097	2105	rVB	147052	167365	2.88%	0.176%
95	14.721	2145	2148	2150	rBV	181445	152837	2.63%	0.160%
96	14.762	2150	2155	2159	rVV	5814608	5807764	100.00%	6.098%
97	15.051	2201	2204	2207	rVB	162087	164999	2.84%	0.173%
98	15.386	2256	2261	2264	rBV	809331	1018893	17.54%	1.070%
99	15.415	2264	2266	2273	rVB	169056	186685	3.21%	0.196%
100	15.839	2334	2338	2342	rVB2	113993	152299	2.62%	0.160%

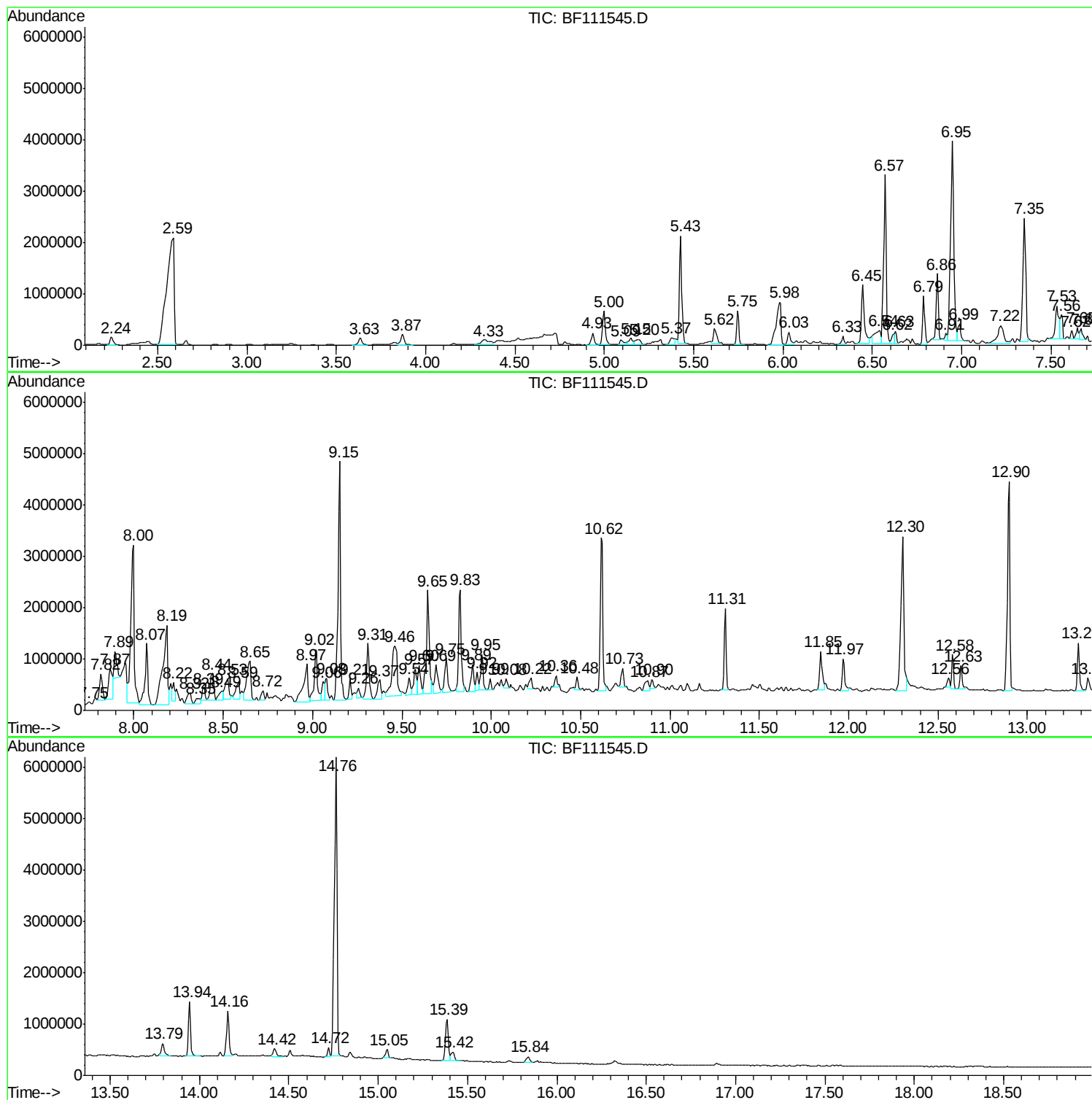
Sum of corrected areas: 95241257

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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.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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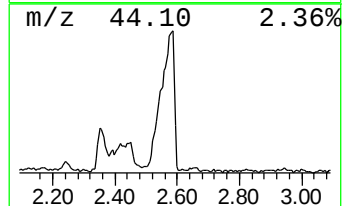
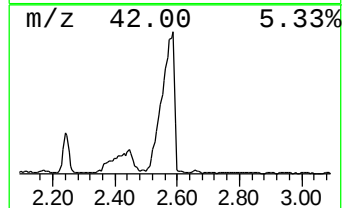
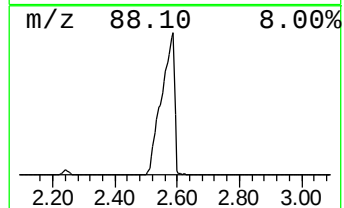
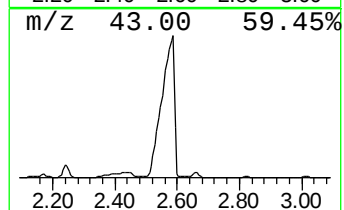
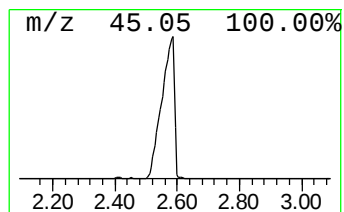
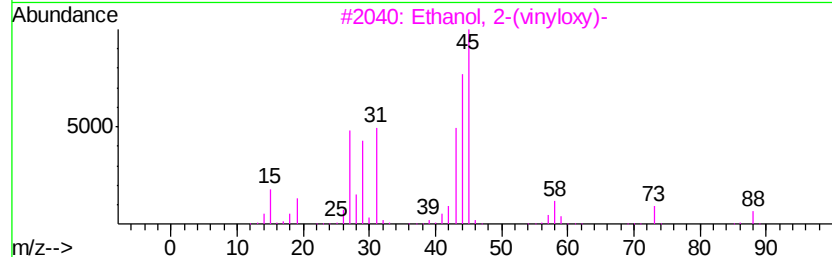
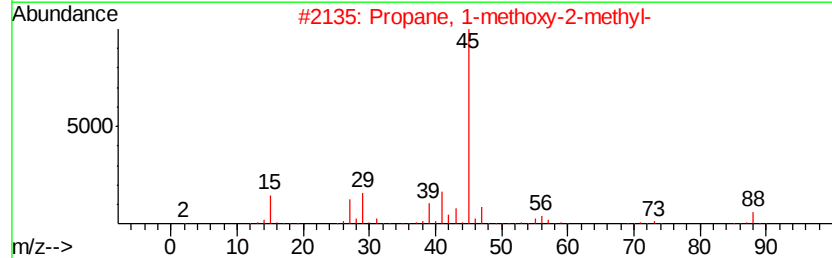
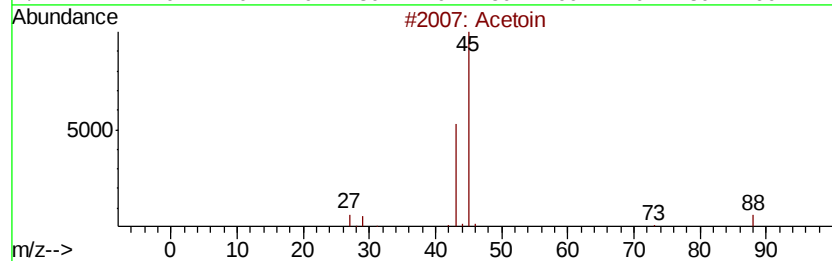
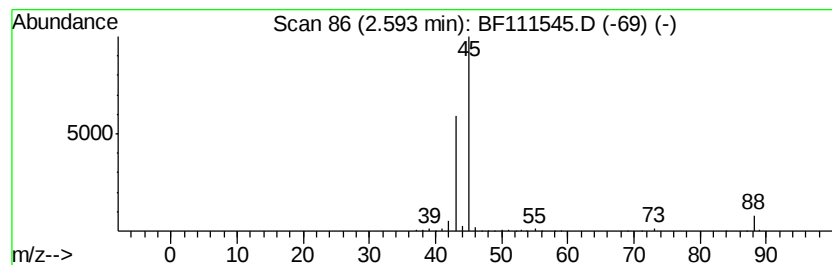
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Acetoin Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	152.02 ng	5698600	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetoin	88	C4H8O2	000513-86-0	86
2			Propane, 1-methoxy-2-methyl-	88	C5H12O	000625-44-5	56
3			Ethanol, 2-(vinylloxy)-	88	C4H8O2	000764-48-7	9
4			Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	9
5			2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	9



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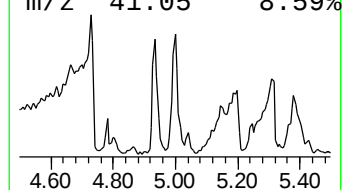
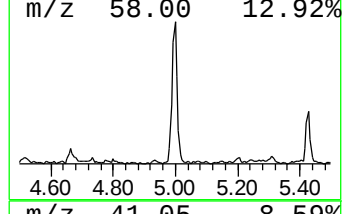
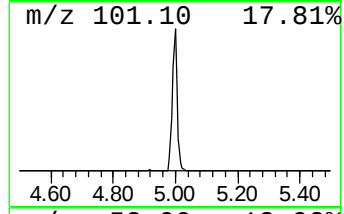
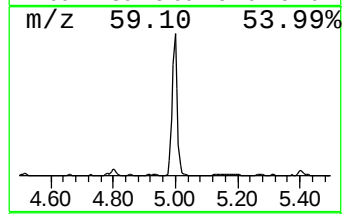
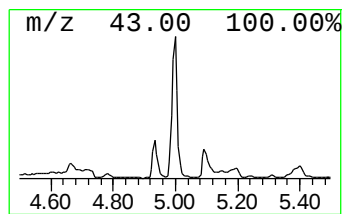
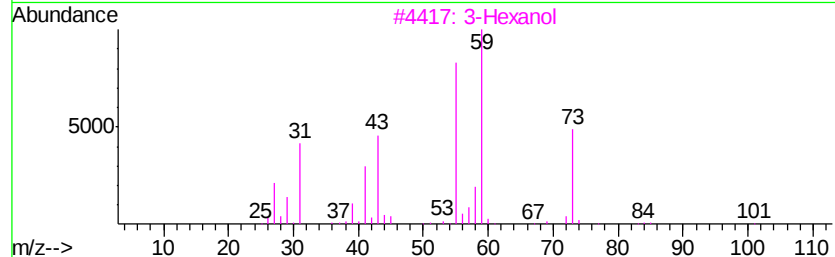
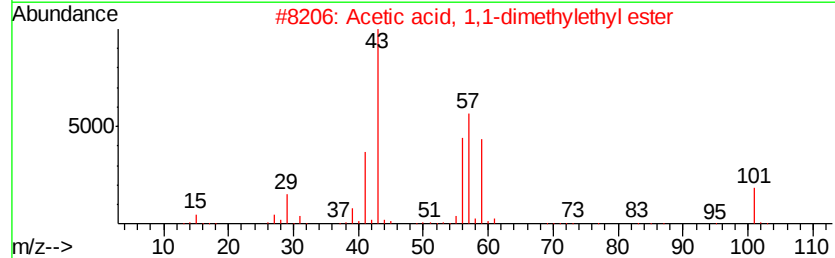
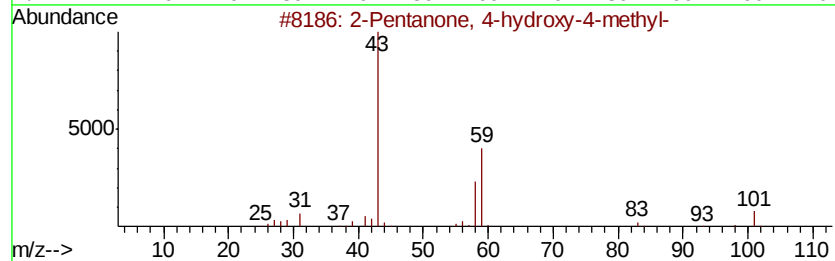
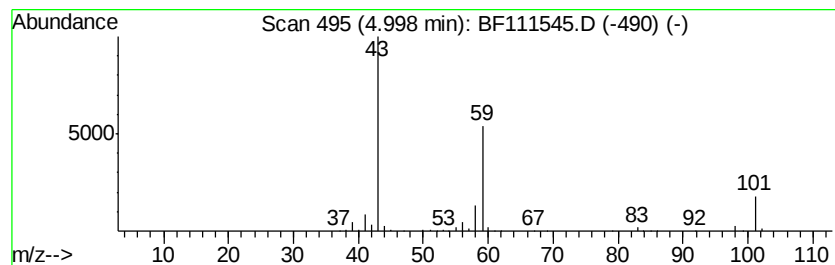
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	20.90 ng	783325	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		3-Hexanol	102	C6H14O	000623-37-0	33
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16



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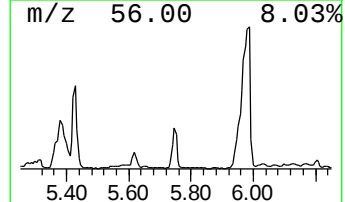
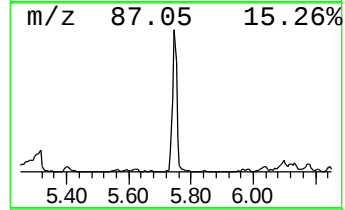
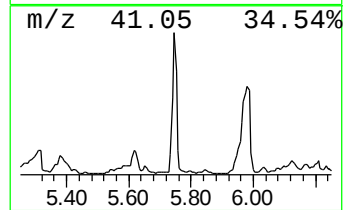
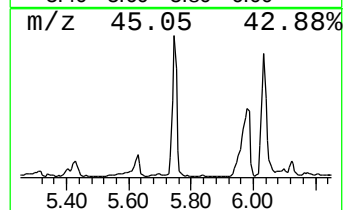
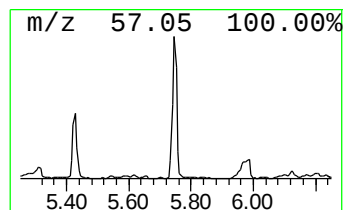
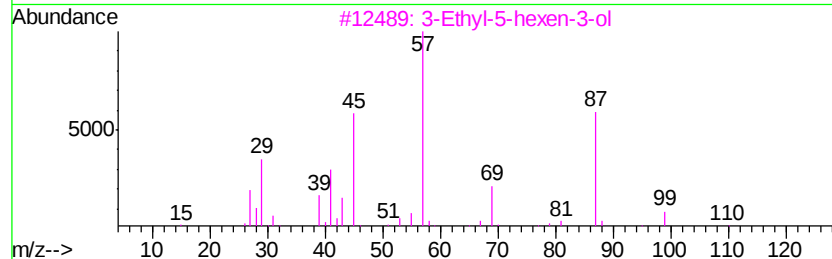
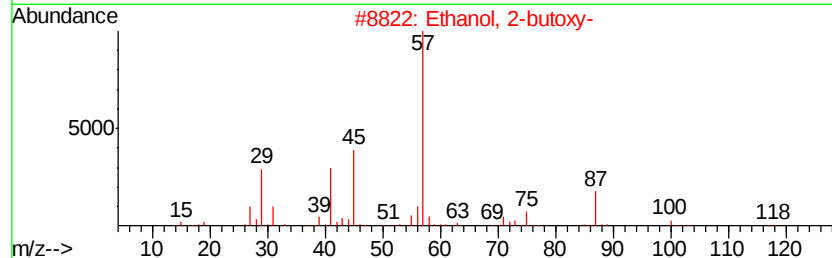
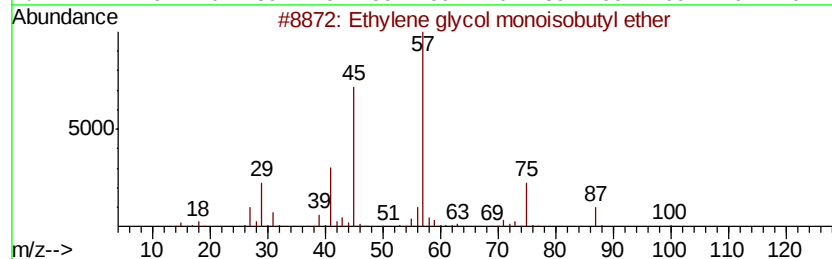
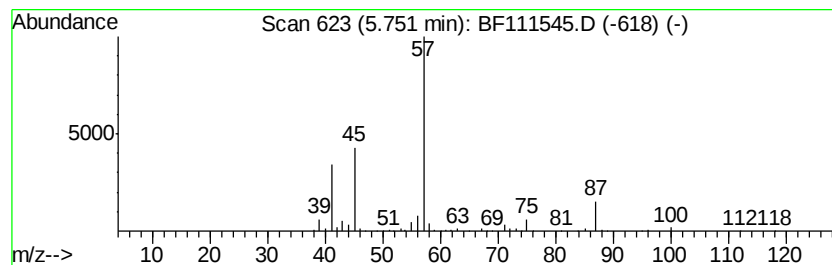
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Peak Number 3 Ethylene glycol monoisobuty... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.75	16.62 ng	623047	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
2		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
3		3-Ethyl-5-hexen-3-ol	128	C8H16O	001907-46-6	50
4		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	45
5		Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	25



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Sample : J6438-05
Misc :
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ClientSampleId :
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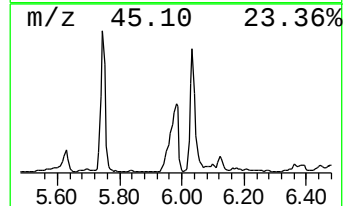
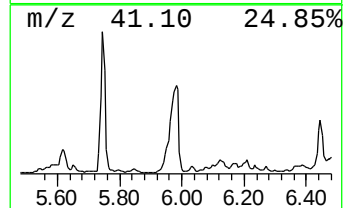
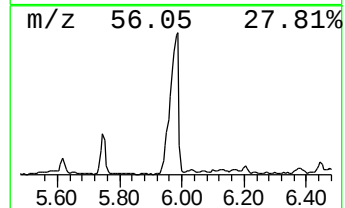
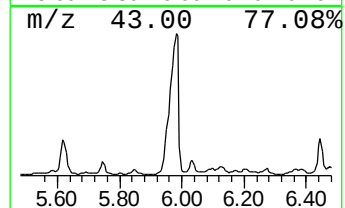
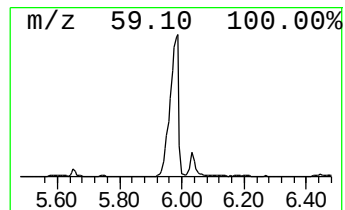
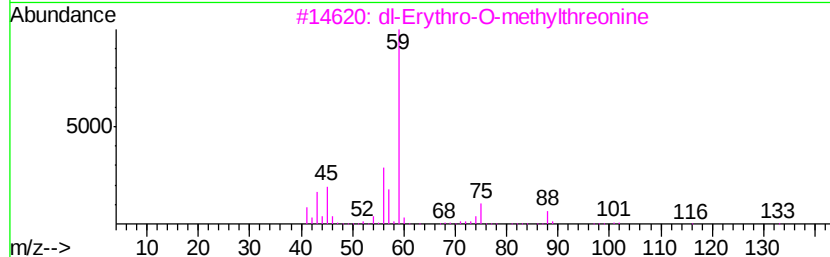
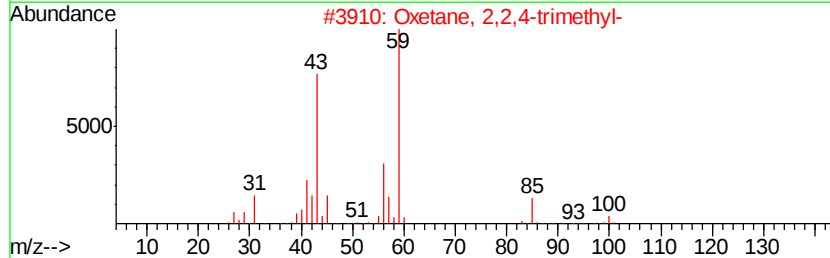
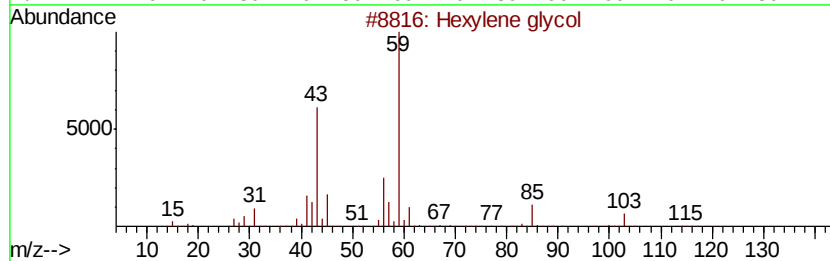
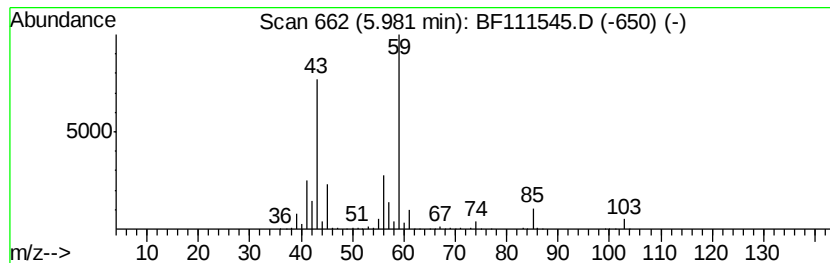
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexylene glycol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	44.36 ng	1662990	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexylene glycol	118	C6H14O2	000107-41-5	83
2	Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	72
3	dl-Erythro-O-methylthreonine	133	C5H11NO3	1000214-70-7	53
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	47
5	Guanidine	59	CH5N3	000113-00-8	38



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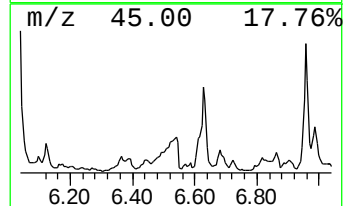
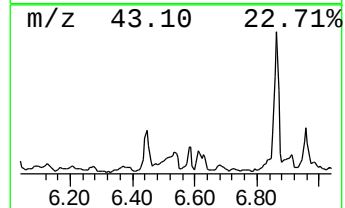
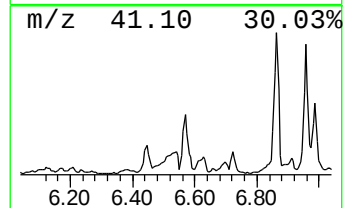
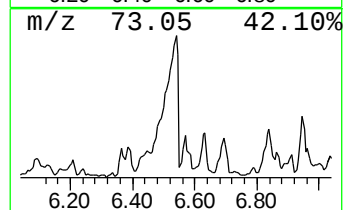
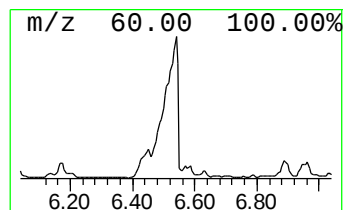
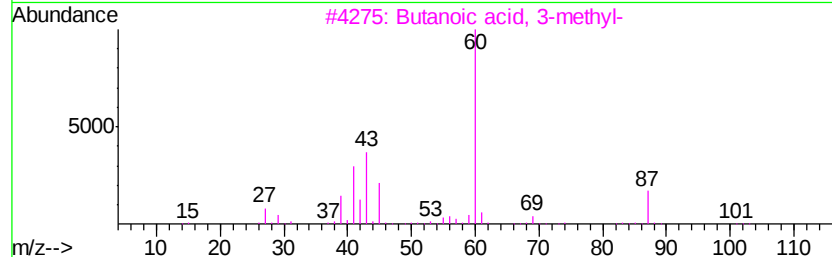
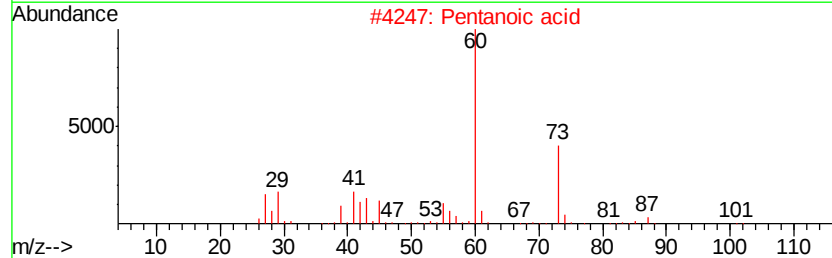
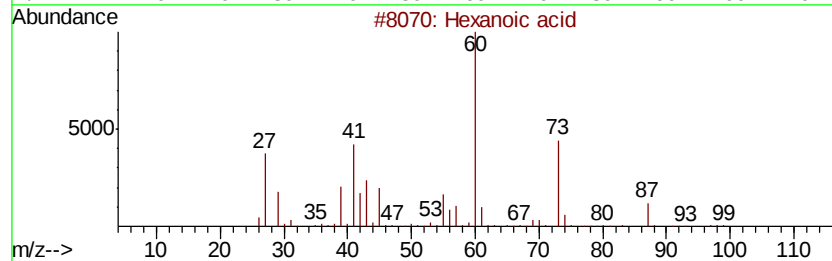
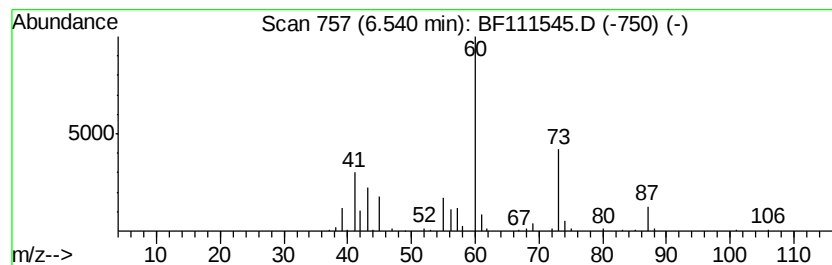
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	17.24 ng	646357	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid	116	C6H12O2	000142-62-1	83
2		Pentanoic acid	102	C5H10O2	000109-52-4	78
3		Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	64
4		Heptanoic acid	130	C7H14O2	000111-14-8	64
5		Rhamnose	164	C6H12O5	003615-41-6	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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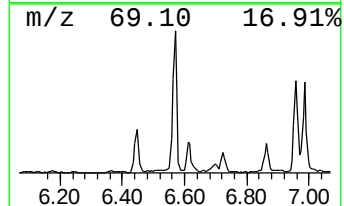
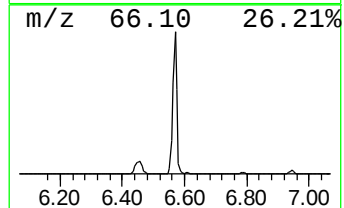
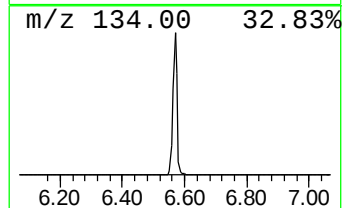
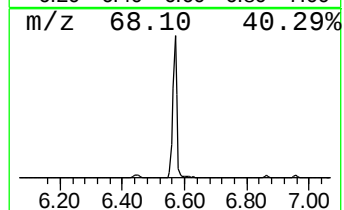
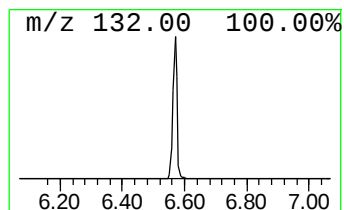
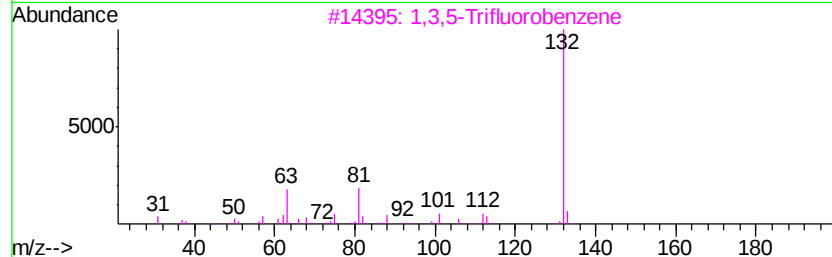
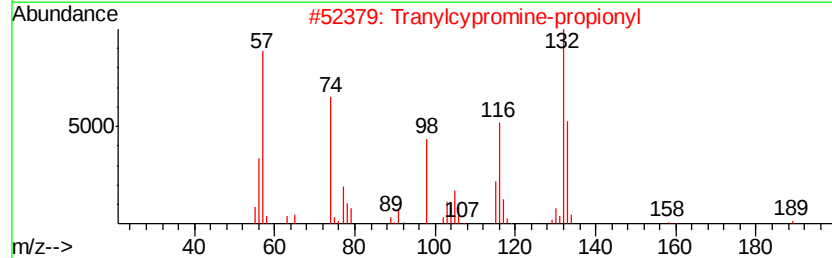
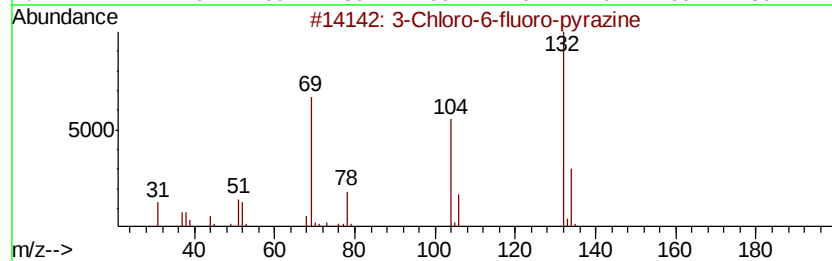
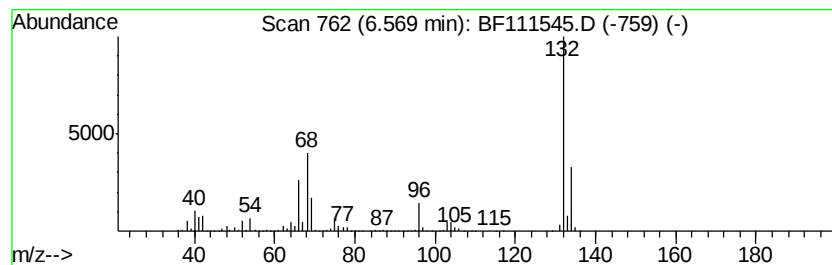
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown6.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	85.04 ng	3188010	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		Xenon	132	Xe	007440-63-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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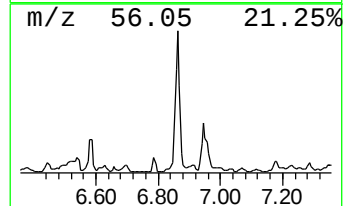
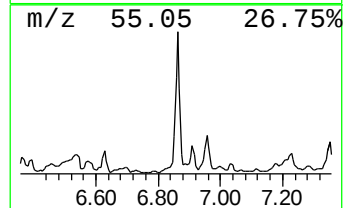
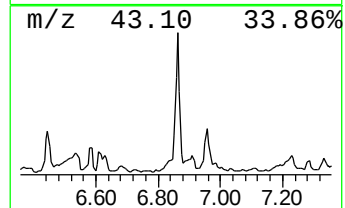
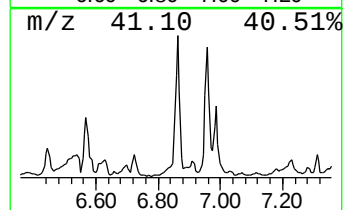
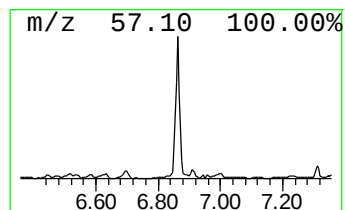
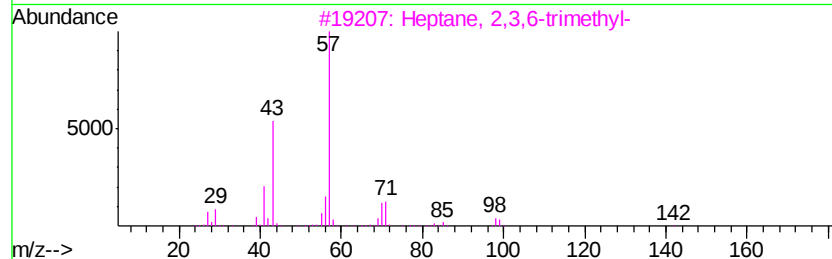
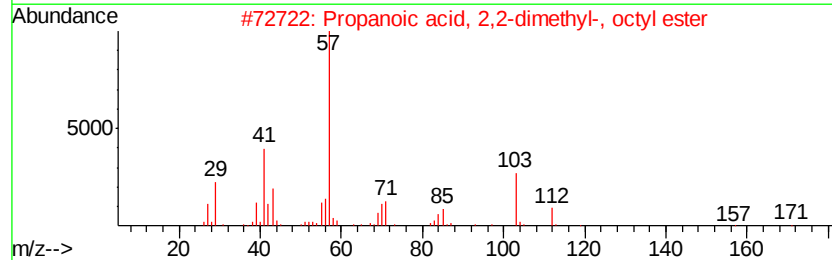
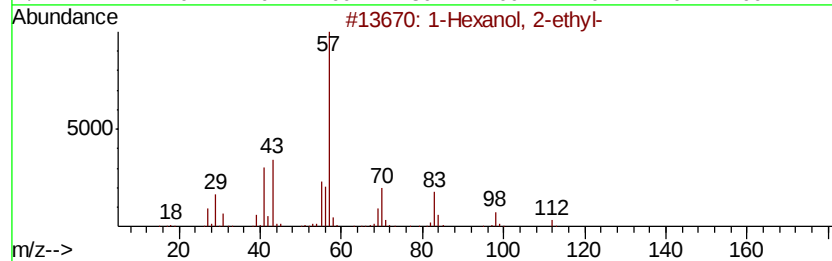
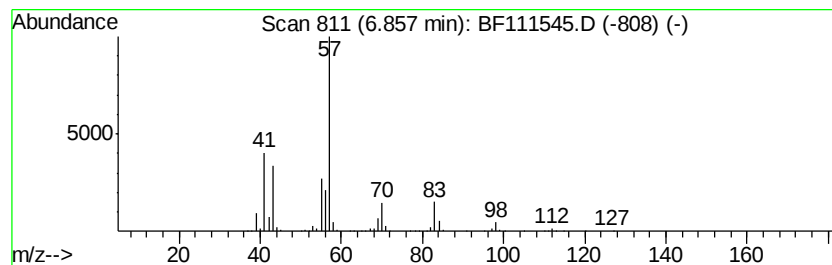
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Hexanol, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	31.75 ng	1190130	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2		Propanoic acid, 2,2-dimethyl-, o...	214	C13H26O2	027751-88-8	64
3		Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	64
4		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	59
5		Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	53



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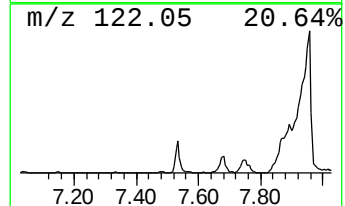
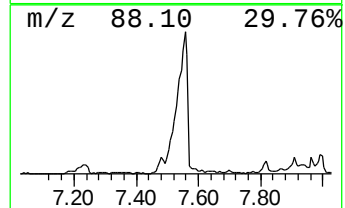
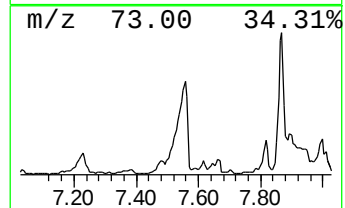
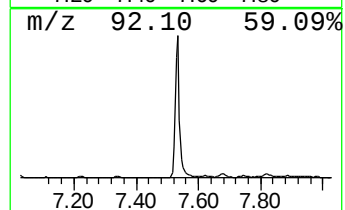
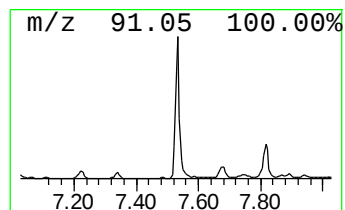
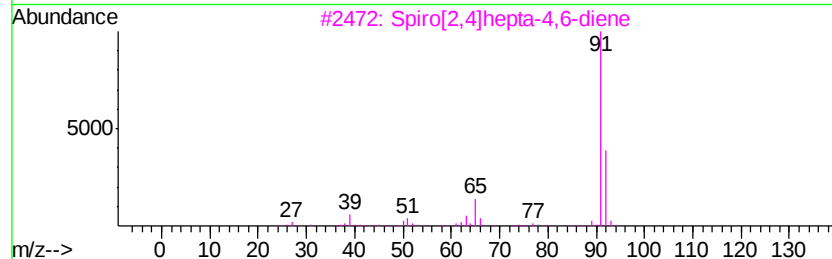
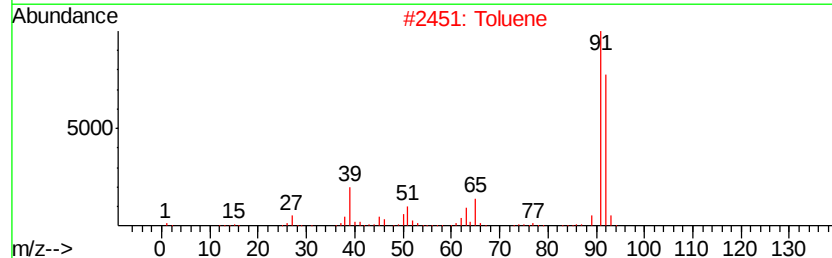
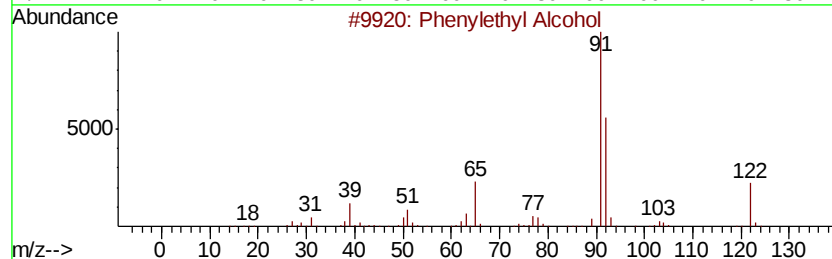
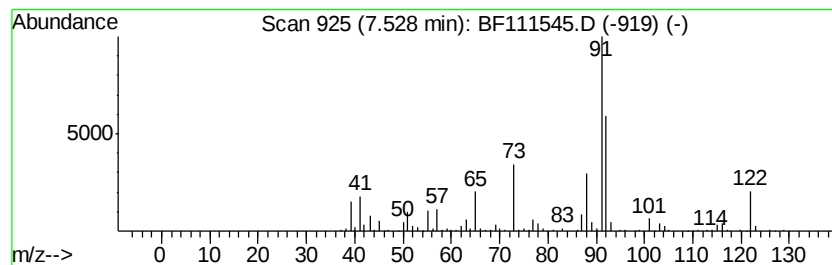
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenylethyl Alcohol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	12.57 ng	871837	Napthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenylethyl Alcohol	122	C8H10O	000060-12-8	93
2		Toluene	92	C7H8	000108-88-3	43
3		Spiro[2.4]hepta-4,6-diene	92	C7H8	000765-46-8	43
4		Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	38
5		1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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ClientSampleId :
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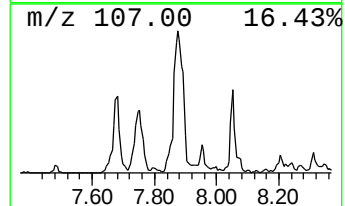
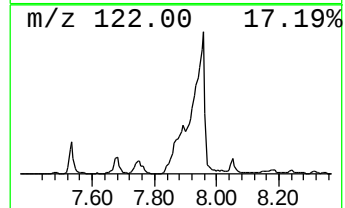
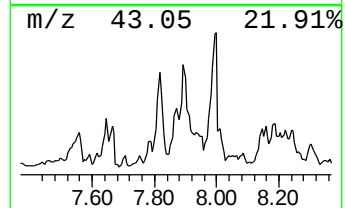
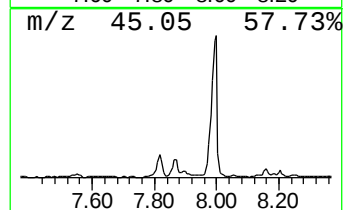
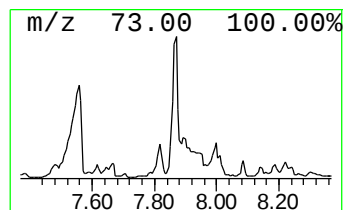
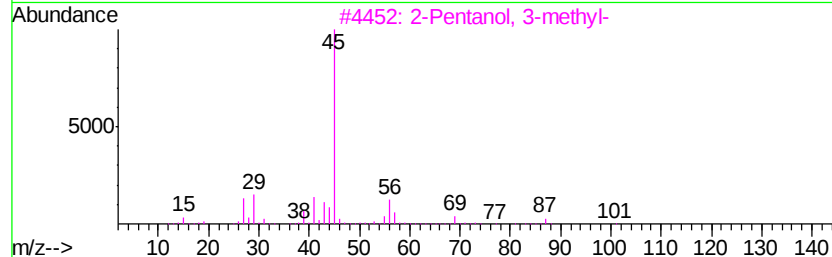
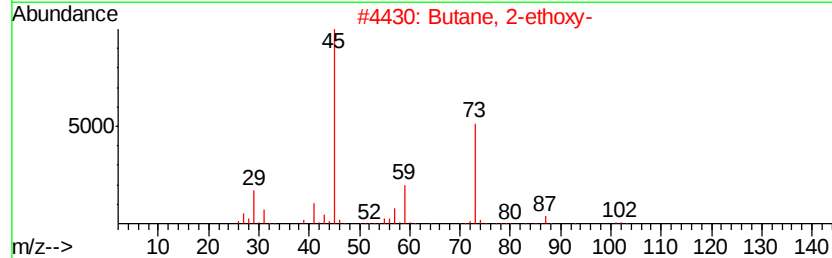
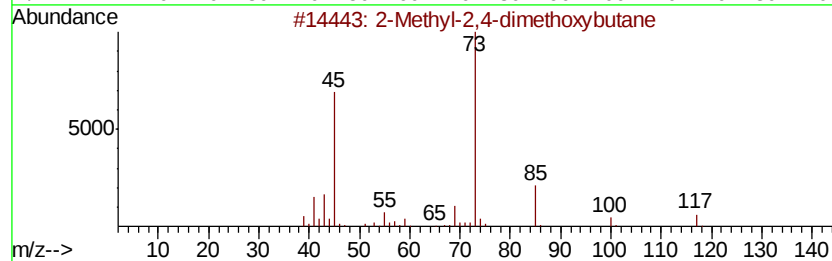
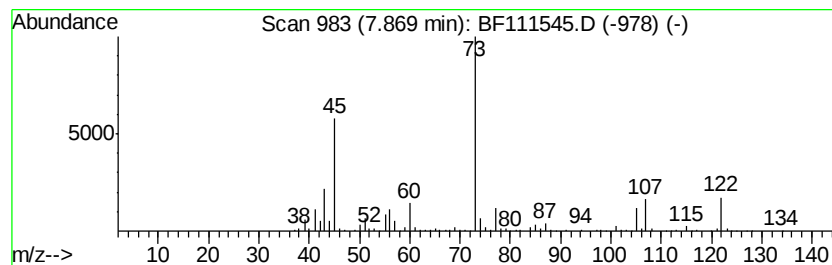
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown7.87 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	11.95 ng	828564	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyl-2,4-dimethoxybutane	132	C7H16O2	039836-89-0	35
2		Butane, 2-ethoxy-	102	C6H14O	002679-87-0	32
3		2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	27
4		2-Hexanol, 5-methyl-	116	C7H16O	000627-59-8	22
5		Methoxyacetic acid, butyl ester	146	C7H14O3	017640-22-1	16



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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ClientSampleId :
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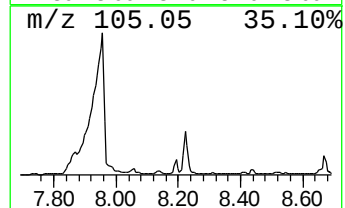
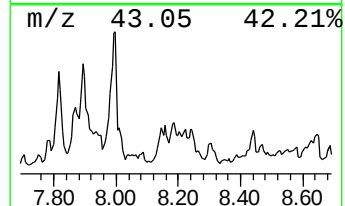
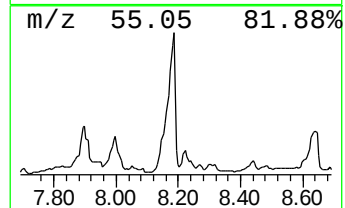
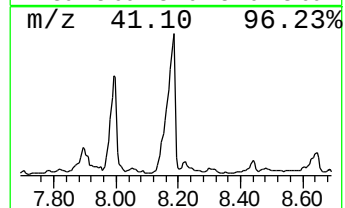
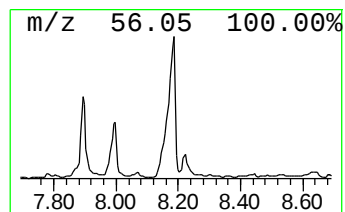
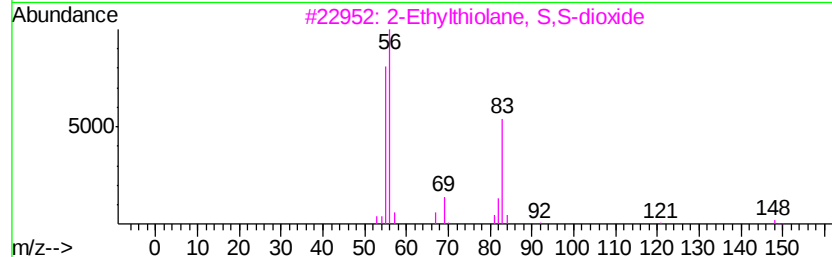
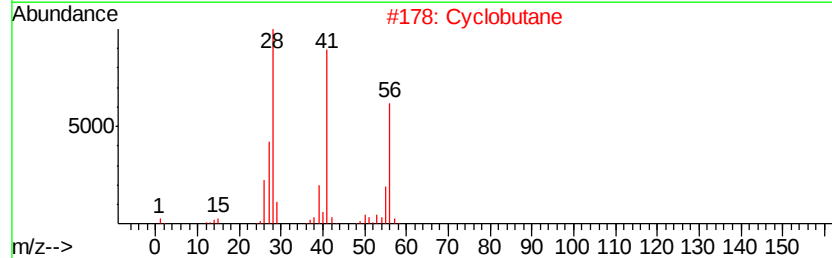
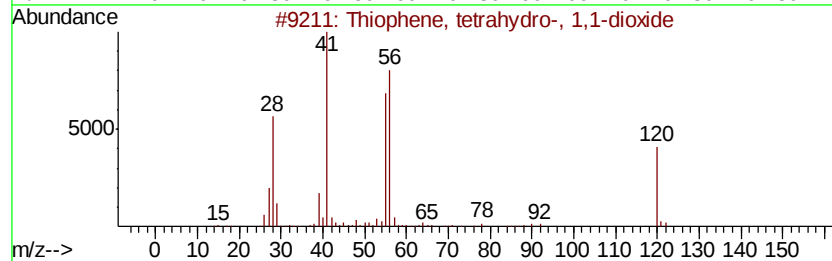
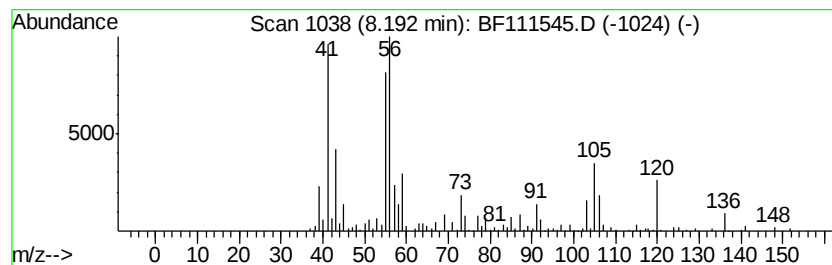
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Thiophene, tetrahydro-, 1,1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	44.60 ng	3092900	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, tetrahydro-, 1,1-dioxide	120	C4H8O2S	000126-33-0	90
2		Cyclobutane	56	C4H8	000287-23-0	43
3		2-Ethylthiolane, S,S-dioxide	148	C6H12O2S	010178-59-3	40
4		Oxirane, 2-methyl-3-(1-methyleth...	100	C6H12O	001192-31-0	28
5		4-Penten-2-ol, 3-methyl-	100	C6H12O	001569-59-1	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111545.D
Acq On : 17 Dec 2018 18:08
Operator : JU/SJ
Sample : J6438-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

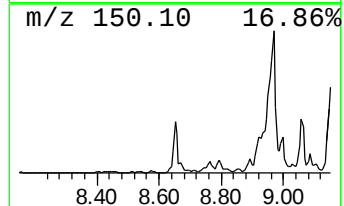
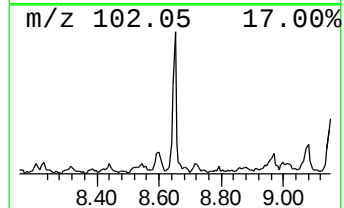
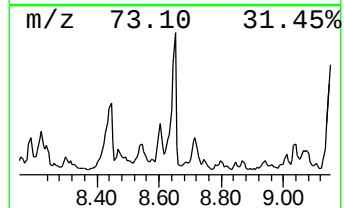
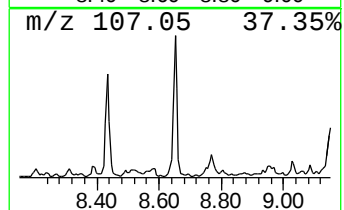
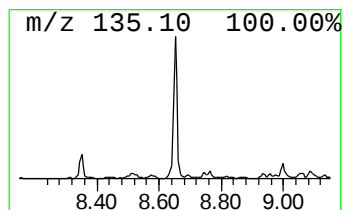
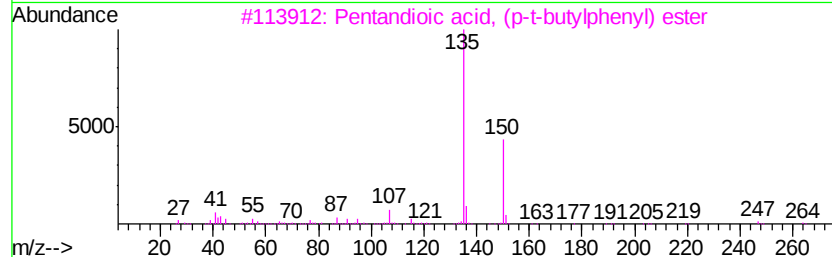
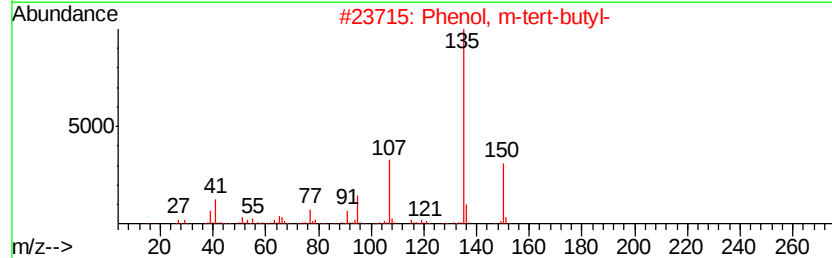
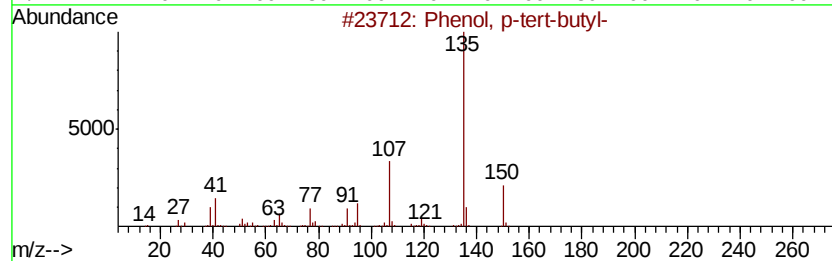
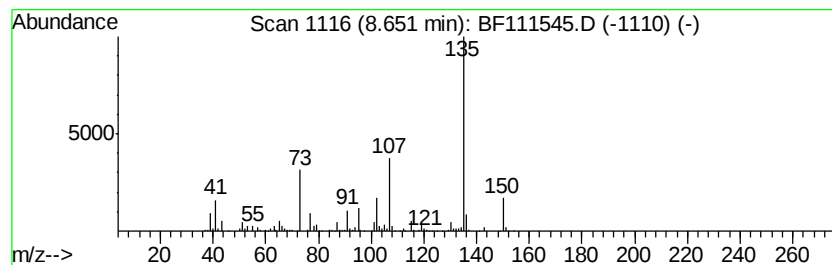
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenol, p-tert-butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	18.91 ng	1311520	Napthalene-d8	8.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Phenol, p-tert-butyl-	150 C10H14O	000098-54-4	95
2	Phenol, m-tert-butyl-	150 C10H14O	000585-34-2	76
3	Pentandioic acid, (p-t-butylphen...	264 C15H20O4	212762-88-4	50
4	Ethanone, 1-(2-hydroxy-5-methylp...	150 C9H10O2	001450-72-2	50
5	1,5,6,7-Tetrahydro-4-indolone	135 C8H9NO	013754-86-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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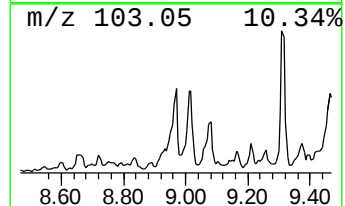
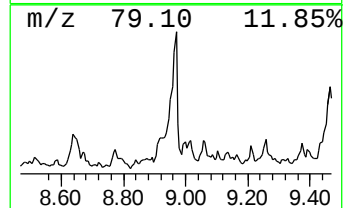
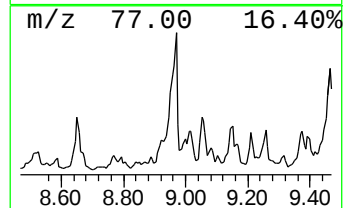
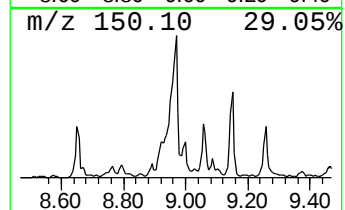
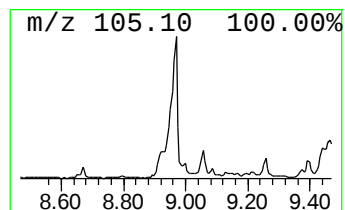
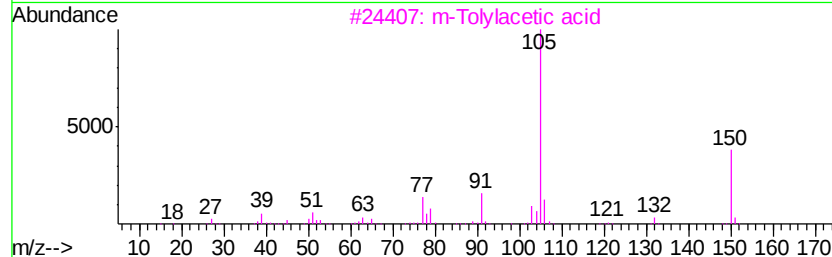
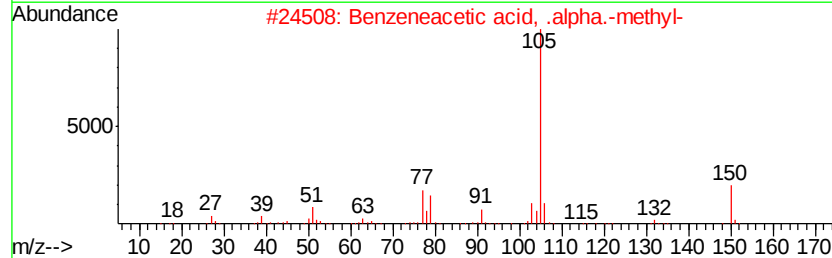
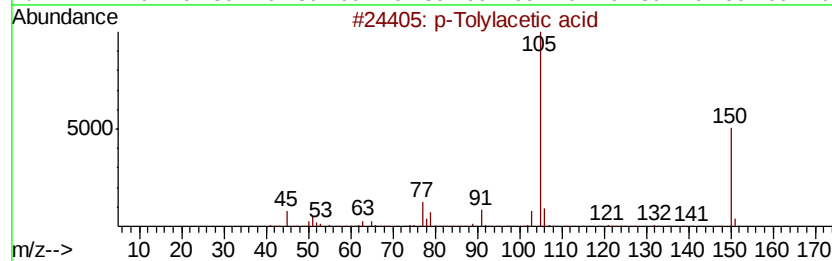
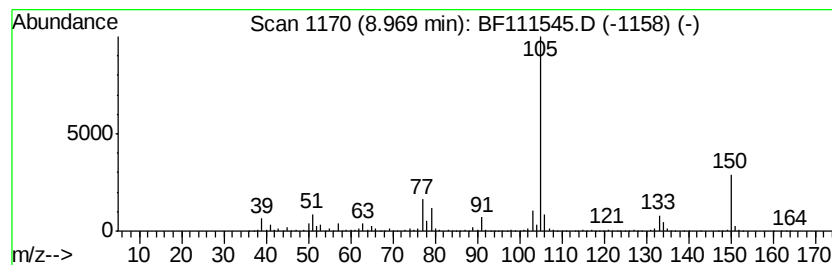
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 p-Tolylacetic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	13.60 ng	1384800	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Tolylacetic acid	150	C9H10O2	000622-47-9	81
2		Benzeneacetic acid, .alpha.-methyl-	150	C9H10O2	000492-37-5	74
3		m-Tolylacetic acid	150	C9H10O2	000621-36-3	72
4		o-Tolylacetic acid	150	C9H10O2	000644-36-0	72
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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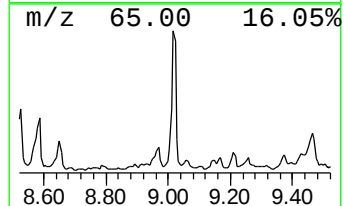
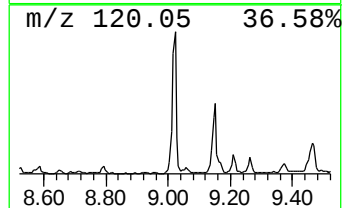
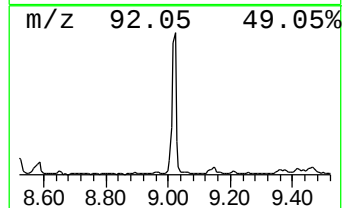
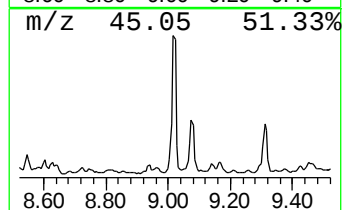
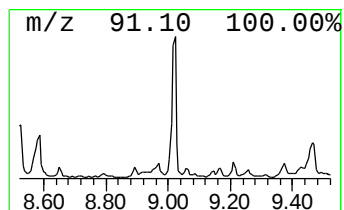
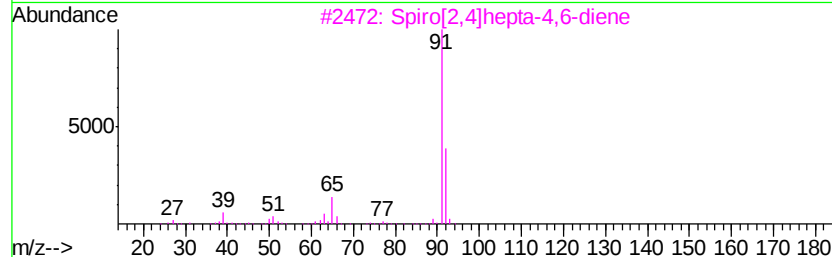
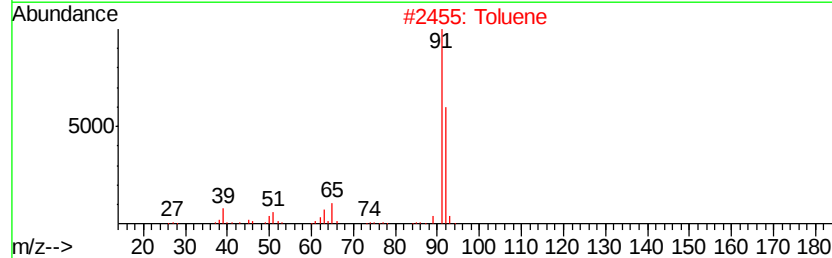
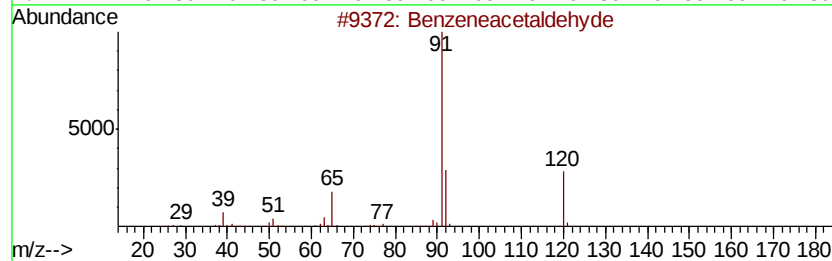
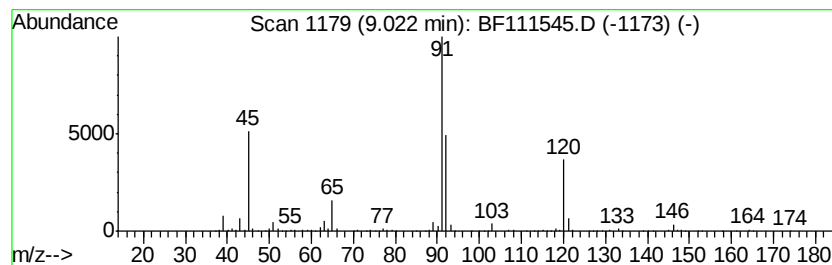
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown9.02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	12.83 ng	1306010	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	45
2		Toluene	92	C7H8	000108-88-3	43
3		Spiro[2.4]hepta-4,6-diene	92	C7H8	000765-46-8	41
4		1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	38
5		Phenylethyl Alcohol	122	C8H10O	000060-12-8	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111545.D
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Operator : JU/SJ
Sample : J6438-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

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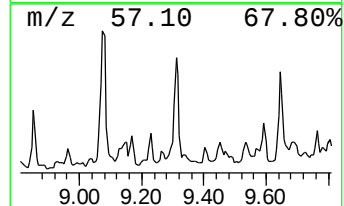
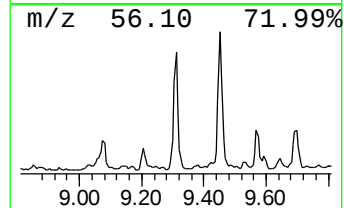
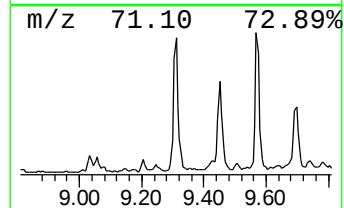
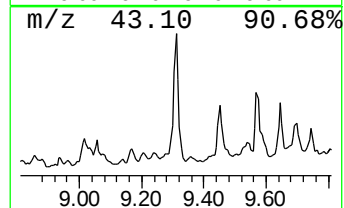
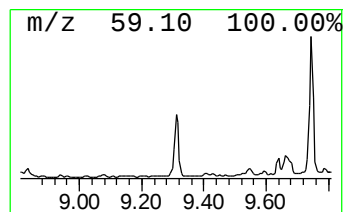
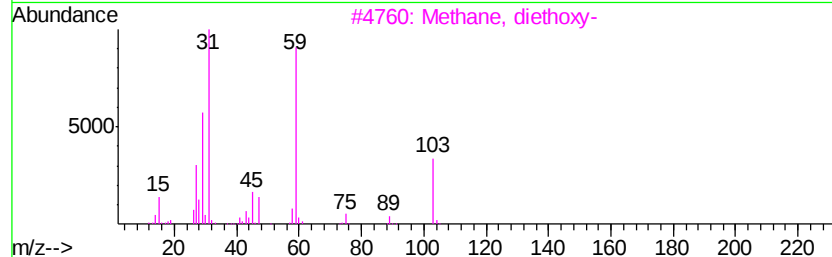
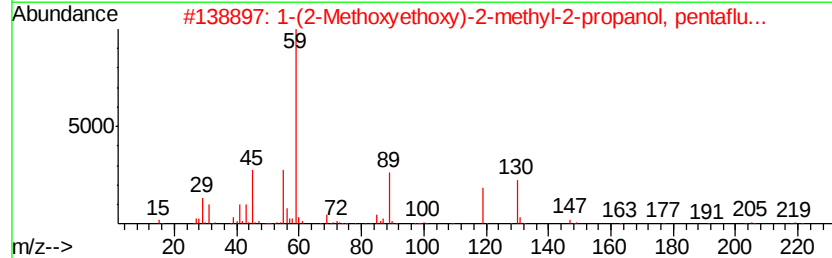
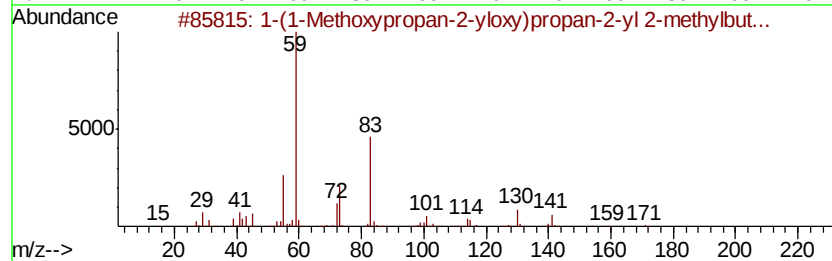
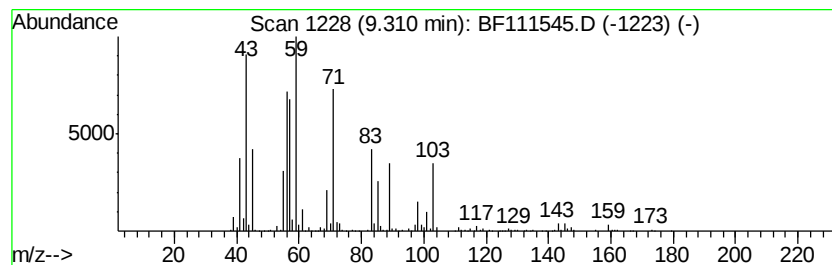
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown9.31 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	11.91 ng	1212370	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-(1-Methoxypropan-2-yloxy)propan...	230	C12H22O4	1000367-11-3	27
2		1-(2-Methoxyethoxy)-2-methyl-2-p...	294	C10H15F5O4	1000364-25-8	27
3		Methane, diethoxy-	104	C5H12O2	000462-95-3	25
4		Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	22
5		2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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Acq On : 17 Dec 2018 18:08
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Sample : J6438-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

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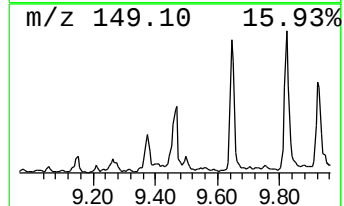
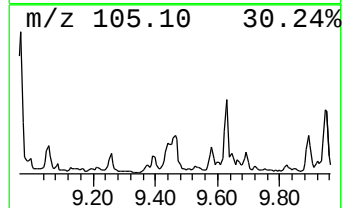
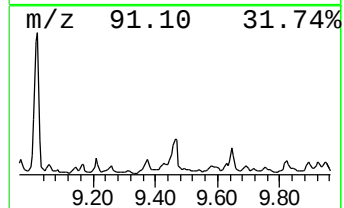
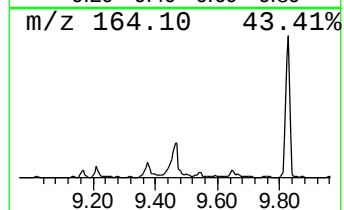
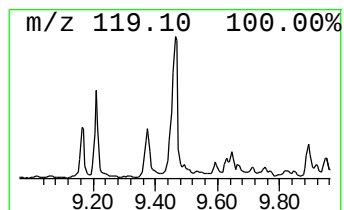
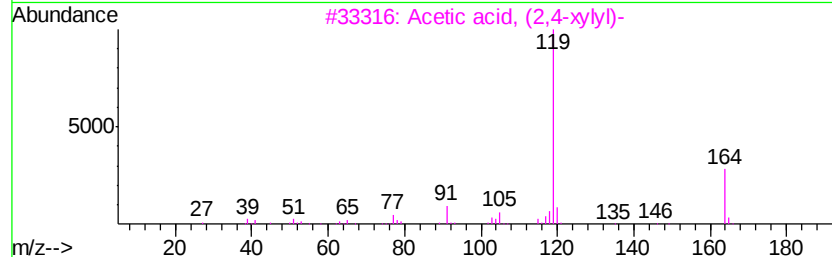
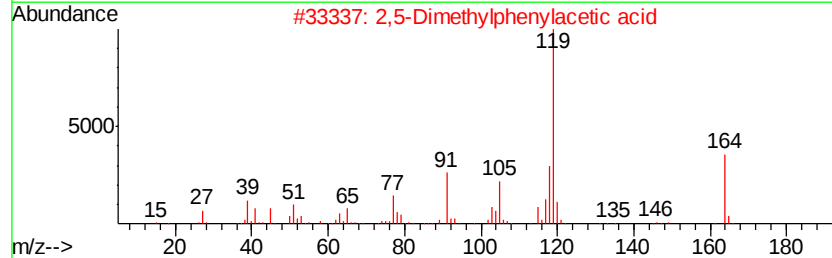
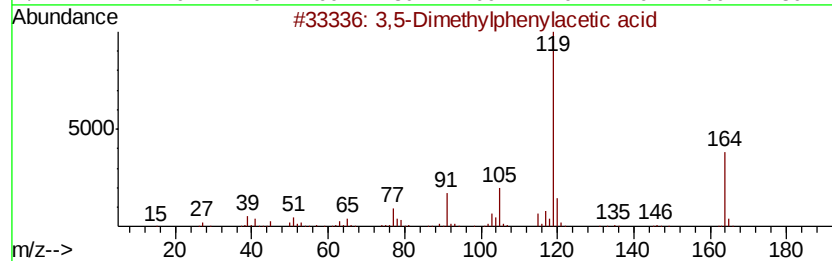
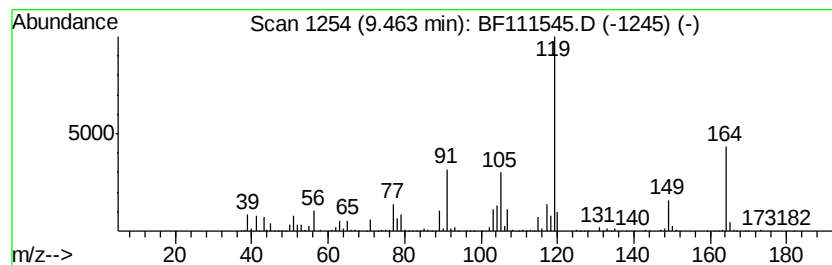
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 3,5-Dimethylphenylacetic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	19.13 ng	1947570	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethylphenylacetic acid	164	C10H12O2	042288-46-0	64
2		2,5-Dimethylphenylacetic acid	164	C10H12O2	1000342-65-5	64
3		Acetic acid, (2,4-xylvl)-	164	C10H12O2	006331-04-0	59
4		1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	53
5		Ethyl o-methylbenzoate	164	C10H12O2	000087-24-1	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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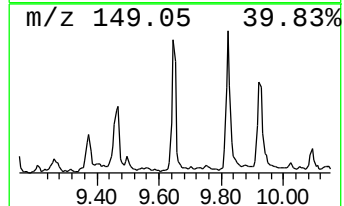
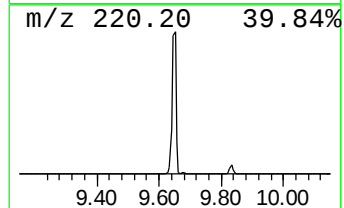
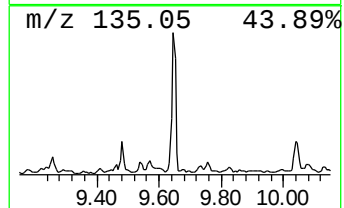
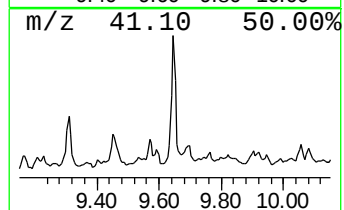
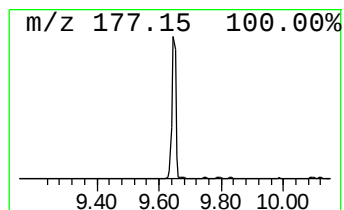
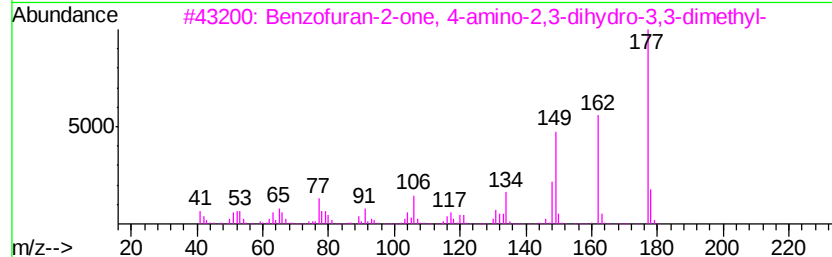
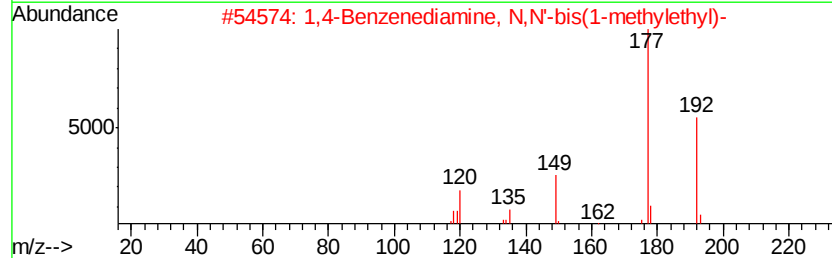
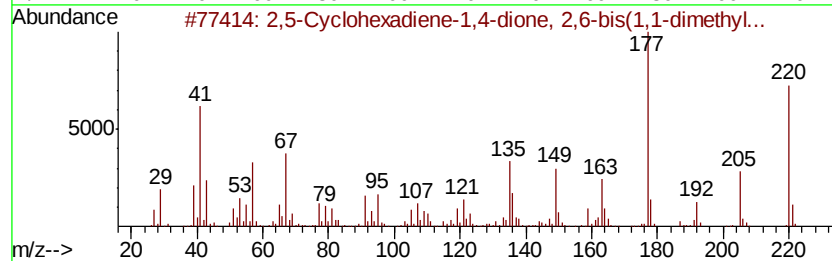
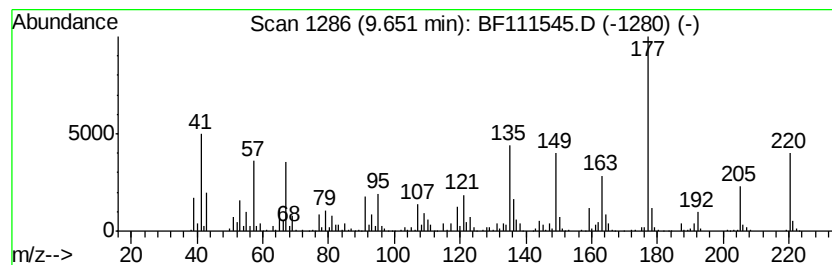
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	21.68 ng	2207550	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	99
2		1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	43
3		Benzofuran-2-one, 4-amino-2,3-di...	177	C10H11NO2	1000129-51-7	27
4		Thiocoumarine, 4,4,6,7-tetramethyl-	220	C13H16OS	1000128-90-2	27
5		3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	014901-07-6	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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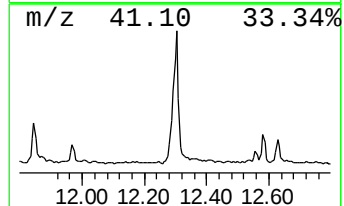
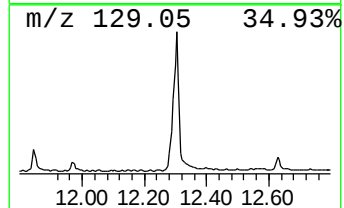
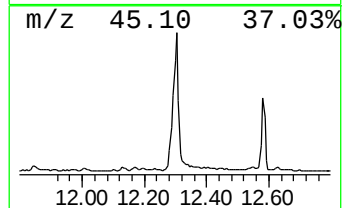
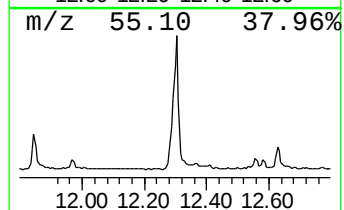
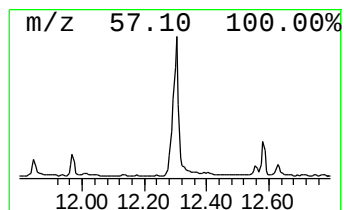
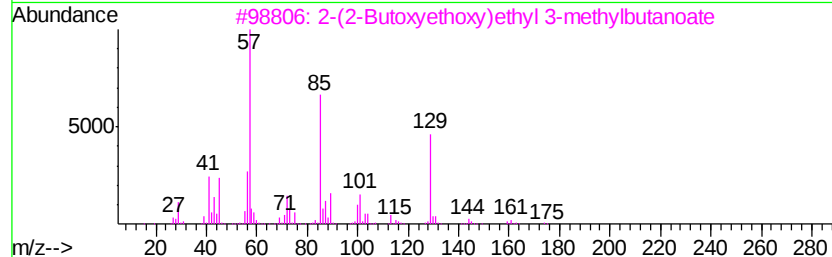
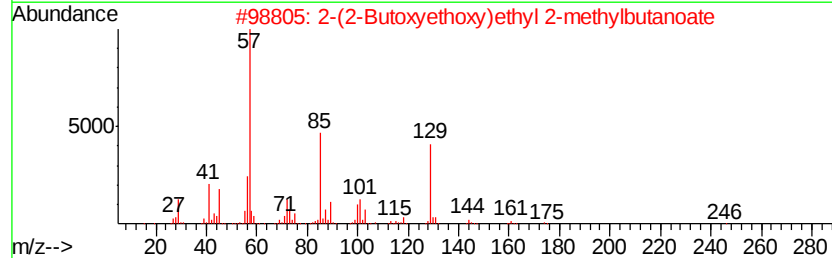
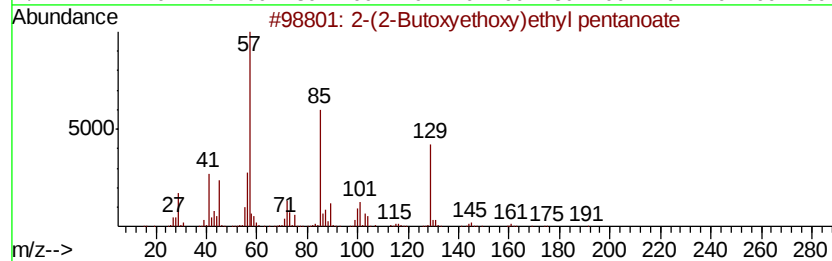
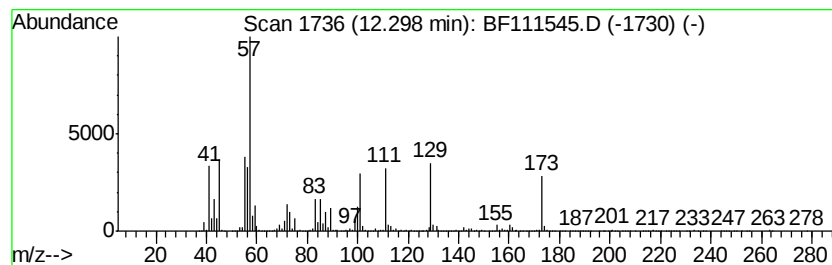
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.30 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	59.11 ng	3831340	Phenanthrene-d10	11.31

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Butoxyethoxy)ethyl	pentanoate	246	C13H26O4	1000367-00-4	43
2	2-(2-Butoxyethoxy)ethyl	2-methyl...	246	C13H26O4	1000366-96-6	35
3	2-(2-Butoxyethoxy)ethyl	3-methyl...	246	C13H26O4	1000367-04-5	25
4	Ethanol, 2-(2-butoxyethoxy)-		162	C8H18O3	000112-34-5	22
5	2-(2-(2-Butoxyethoxy)ethoxy)ethy...		290	C15H30O5	1000366-97-3	16



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111545.D
Acq On : 17 Dec 2018 18:08
Operator : JU/SJ
Sample : J6438-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

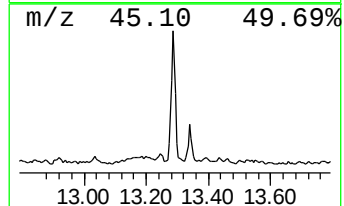
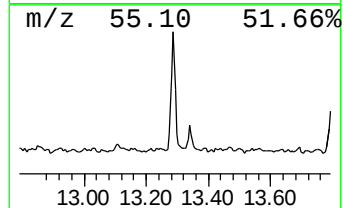
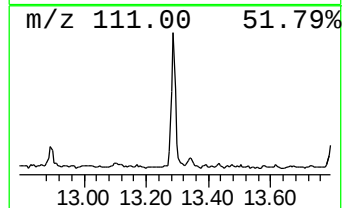
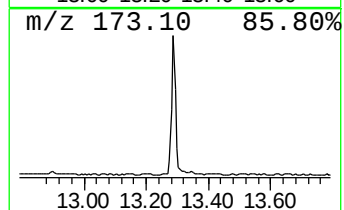
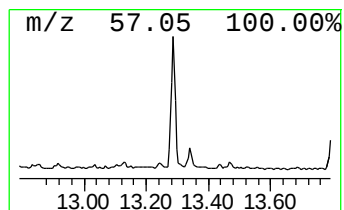
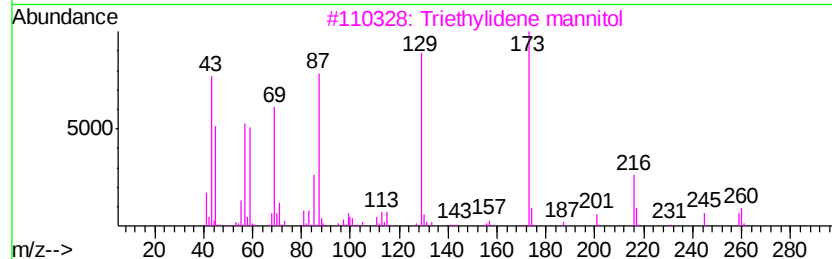
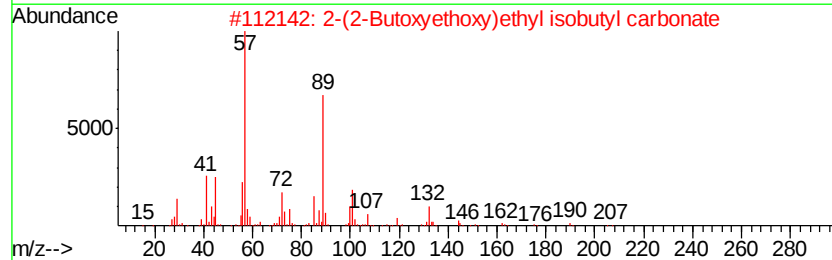
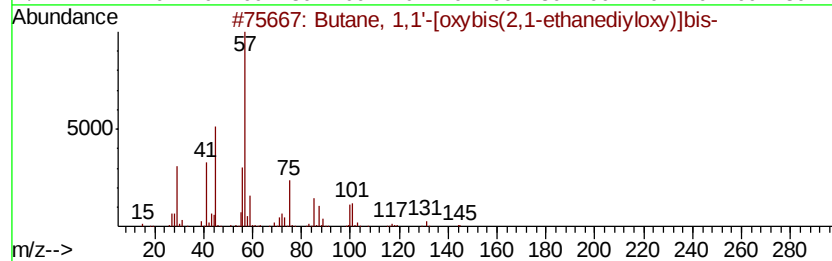
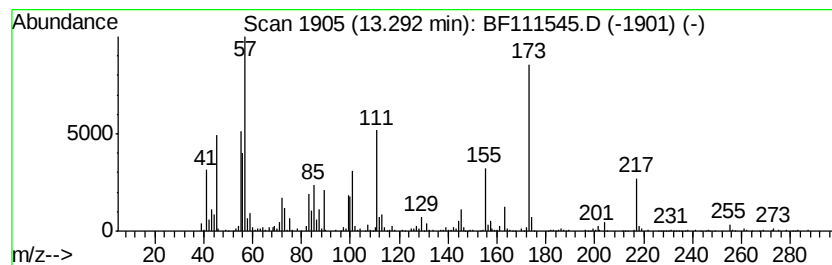
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown13.29 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	16.41 ng	811122	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	35
2		2-(2-Butoxyethoxy)ethyl isobutyl...	262	C13H26O5	1000378-28-1	22
3		Triethylidene mannitol	260	C12H20O6	108678-34-8	16
4		p-Toluenesulfonic acid n-hexyl e...	256	C13H20O3S	003839-35-8	16
5		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111545.D
Acq On : 17 Dec 2018 18:08
Operator : JU/SJ
Sample : J6438-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

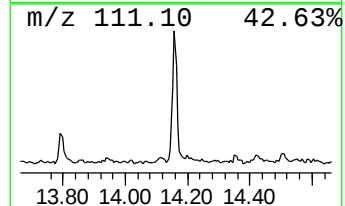
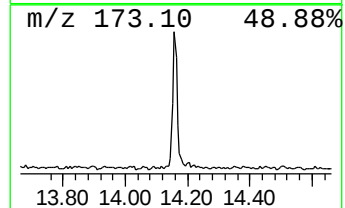
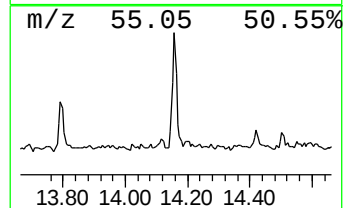
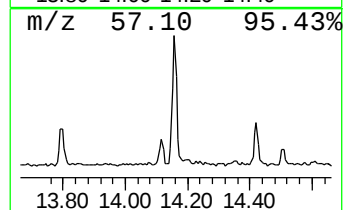
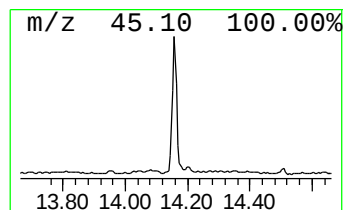
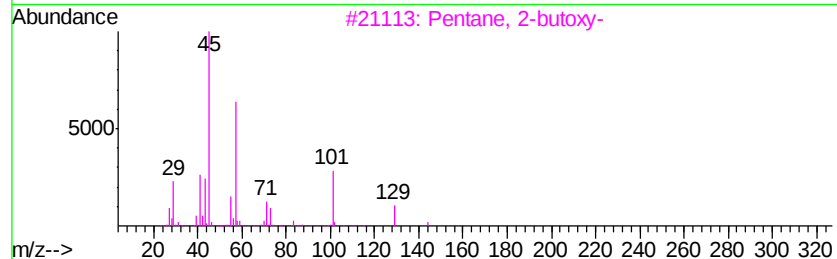
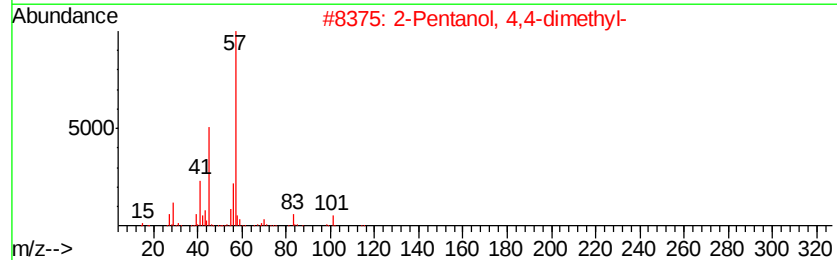
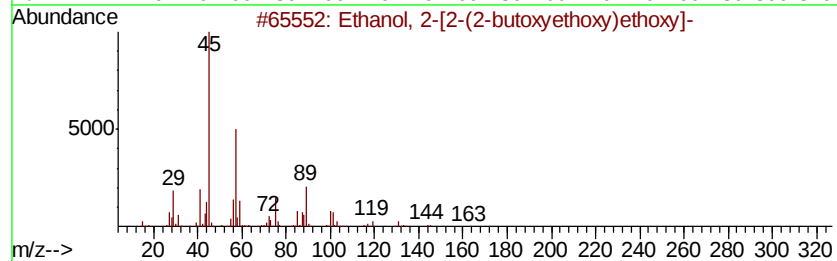
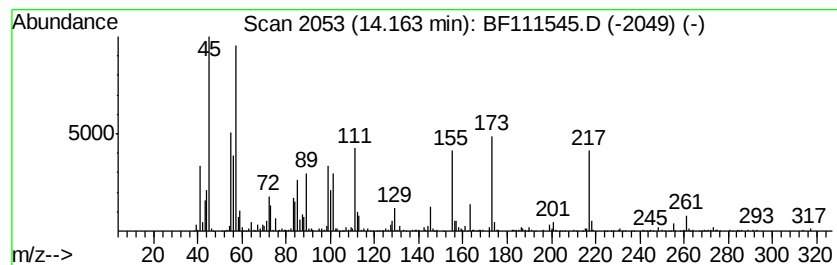
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown14.16 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	17.19 ng	849847	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	27
2		2-Pentanol, 4,4-dimethyl-	116	C7H16O	006144-93-0	27
3		Pentane, 2-butoxy-	144	C9H20O	062238-02-2	25
4		Boronic acid, ethyl-, diethyl ester	130	C6H15B02	053907-92-9	22
5		1,4,7,10,13,16-Hexaoxonadecane...	320	C16H32O6	1000163-65-3	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111545.D
Acq On : 17 Dec 2018 18:08
Operator : JU/SJ
Sample : J6438-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

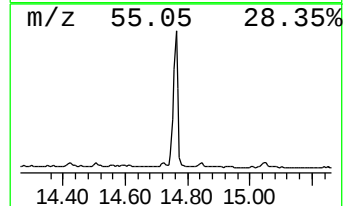
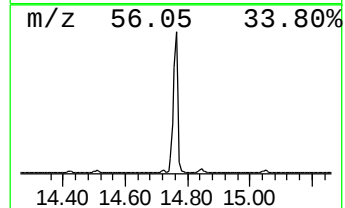
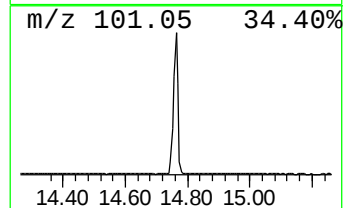
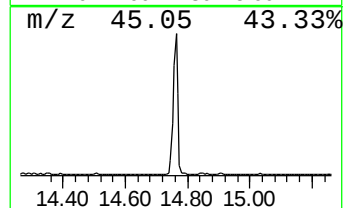
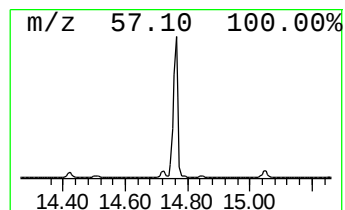
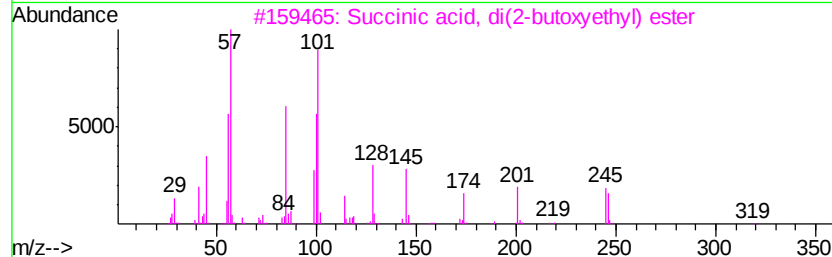
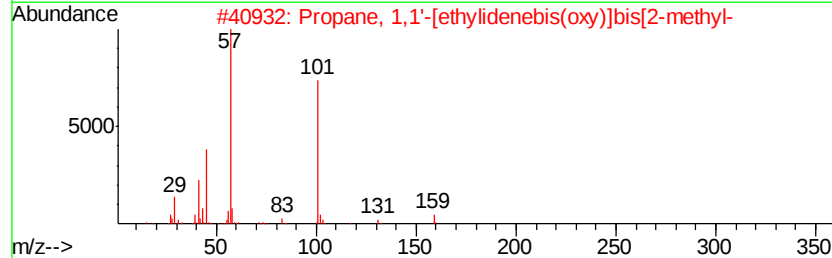
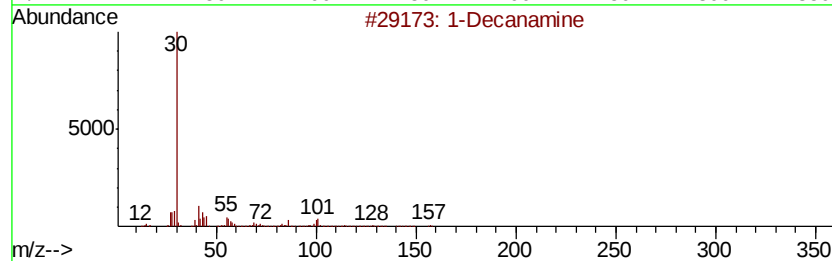
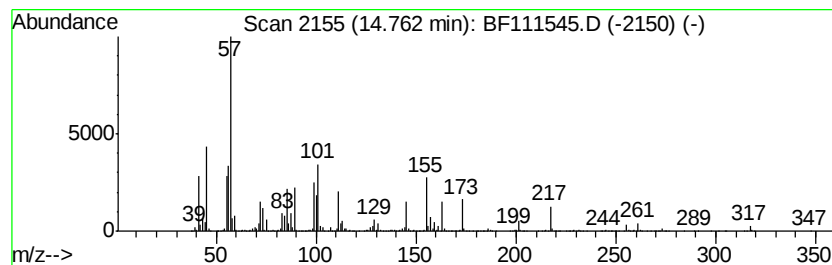
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown14.76 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	114.00 ng	5807760	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Decanamine	157	C10H23N	002016-57-1	22
2		Propane, 1,1'-[ethylidenebis(oxv...]	174	C10H22O2	005669-09-0	14
3		Succinic acid, di(2-butoxyethyl)...]	318	C16H30O6	1000325-84-7	14
4		Butane, 1,1'-[oxybis(2,1-ethaned...]	218	C12H26O3	000112-73-2	12
5		di(Butoxyethyl)adipate	346	C18H34O6	000141-18-4	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111545.D
 Acq On : 17 Dec 2018 18:08
 Operator : JU/SJ
 Sample : J6438-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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
Acetoin	2.59	152.0	ng	5698600	1	6.79	749734	20.0
2-Pentanone, 4-hy...	5.00	20.9	ng	783325	1	6.79	749734	20.0
Ethylene glycol m...	5.75	16.6	ng	623047	1	6.79	749734	20.0
Hexylene glycol	5.98	44.4	ng	1662990	1	6.79	749734	20.0
Hexanoic acid	6.54	17.2	ng	646357	1	6.79	749734	20.0
unknown6.57	6.57	85.0	ng	3188010	1	6.79	749734	20.0
1-Hexanol, 2-ethyl-	6.86	31.8	ng	1190130	1	6.79	749734	20.0
Phenylethyl Alcohol	7.53	12.6	ng	871837	2	8.07	1387020	20.0
unknown7.87	7.87	11.9	ng	828564	2	8.07	1387020	20.0
Thiophene, tetrah...	8.19	44.6	ng	3092900	2	8.07	1387020	20.0
Phenol, p-tert-bu...	8.65	18.9	ng	1311520	2	8.07	1387020	20.0
p-Tolylacetic acid	8.97	13.6	ng	1384800	3	9.83	2036590	20.0
unknown9.02	9.02	12.8	ng	1306010	3	9.83	2036590	20.0
unknown9.31	9.31	11.9	ng	1212370	3	9.83	2036590	20.0
3,5-Dimethylpheny...	9.46	19.1	ng	1947570	3	9.83	2036590	20.0
2,5-Cyclohexadien...	9.65	21.7	ng	2207550	3	9.83	2036590	20.0
unknown12.30	12.30	59.1	ng	3831340	4	11.31	1296430	20.0
unknown13.29	13.29	16.4	ng	811122	5	13.94	988526	20.0
unknown14.16	14.16	17.2	ng	849847	5	13.94	988526	20.0
unknown14.76	14.76	114.0	ng	5807760	6	15.39	1018890	20.0