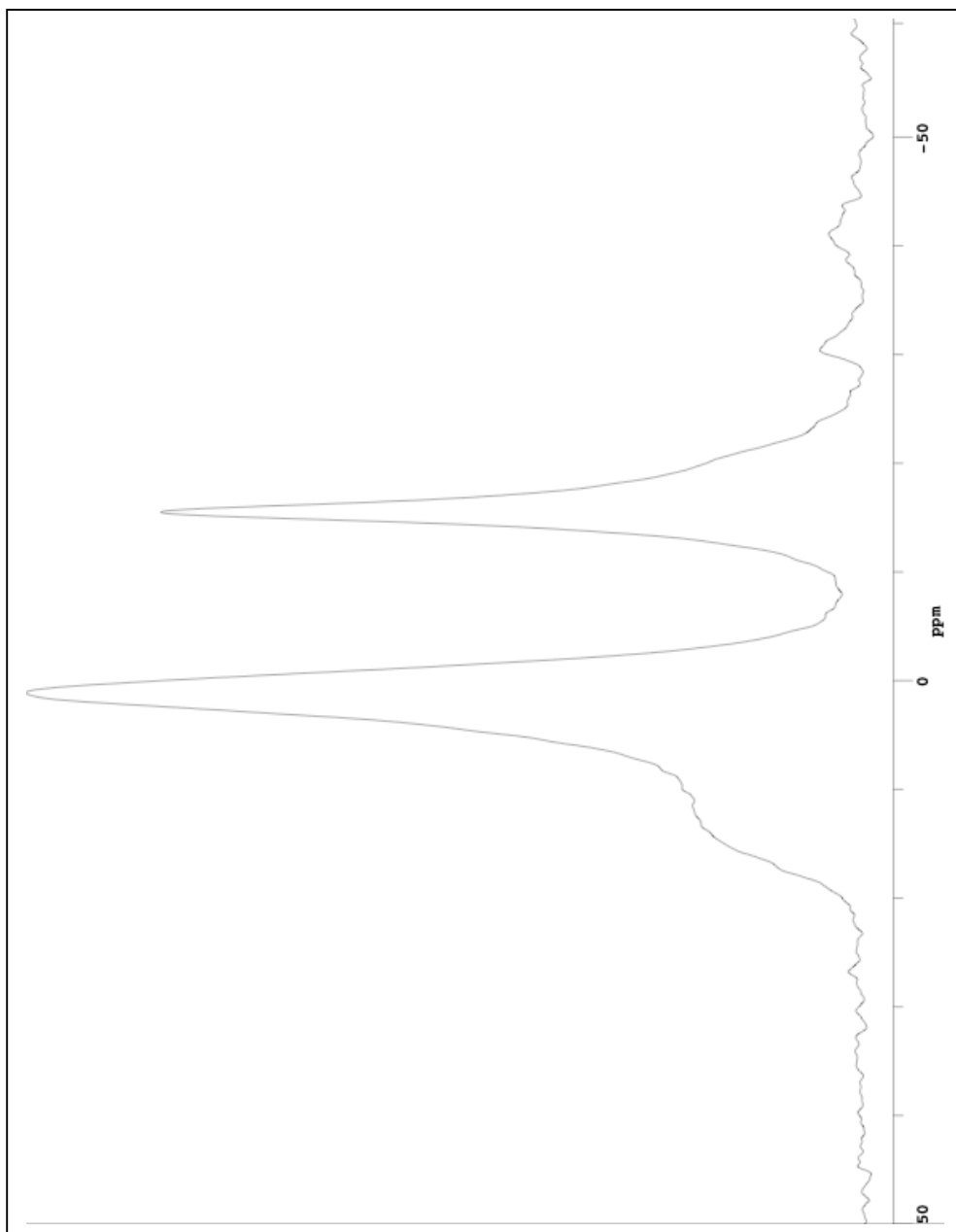
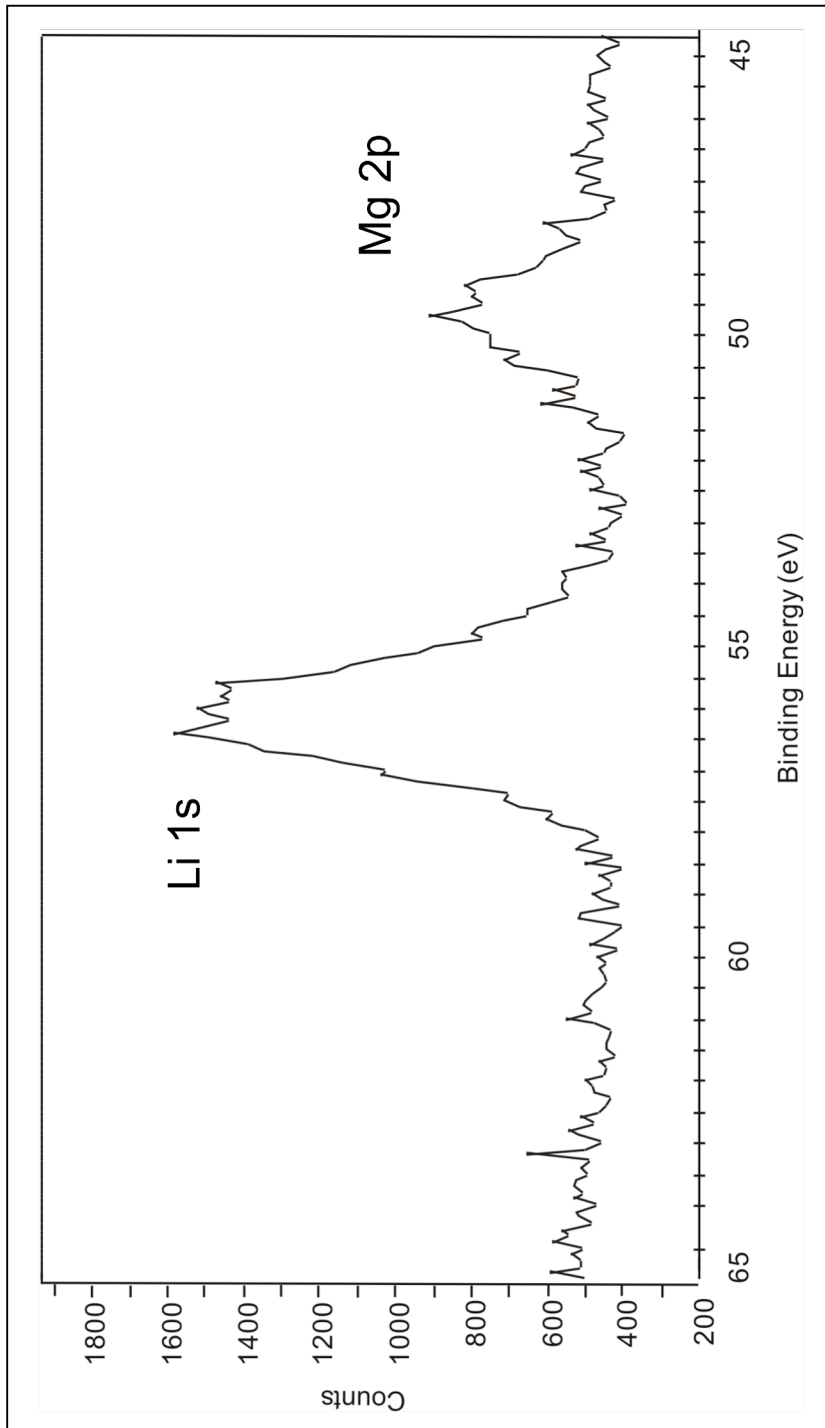


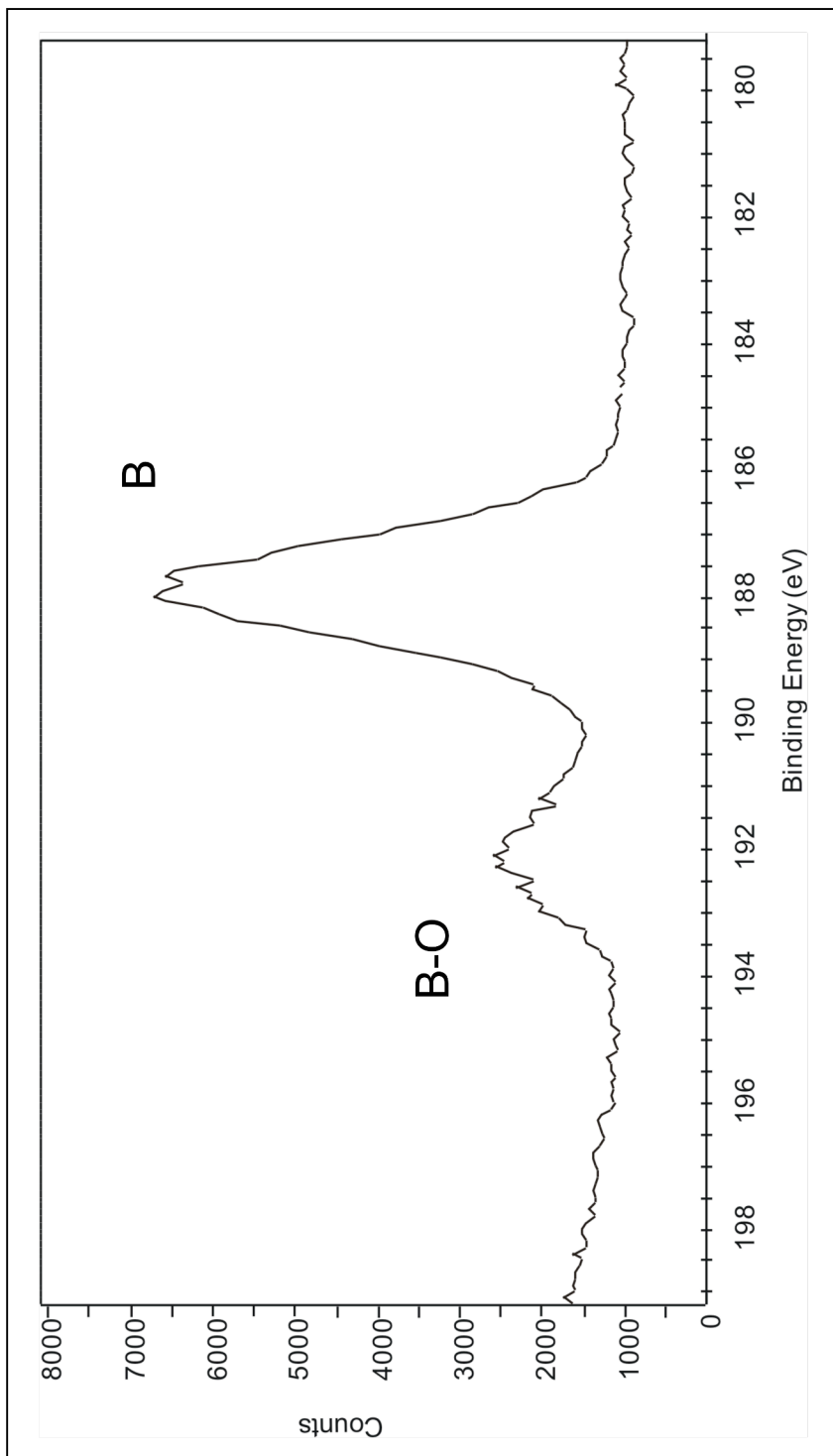
Solid-state ^{11}B NMR spectra of $\text{MgH}_2 + (0.1) \text{LiBH}_4$ heated in a sealed evacuated quartz tube at $300\text{ }^\circ\text{C}$ for 12 hours.



Solid-state ^{11}B NMR spectra of $\text{MgH}_2 + (0.1) \text{LiBH}_4$ heated in a sealed evacuated quartz tube at $300\text{ }^\circ\text{C}$ for 12 hours after the 6th hydrogen adsorption.



XPS spectra of $\text{MgH}_2 + (0.1) \text{LiBH}_4$ heated in a sealed evacuated quartz tube at 300°C for 12 hours after the 6th hydrogen adsorption.



XPS spectra of $\text{MgH}_2 + (0.1) \text{LiBH}_4$ heated in a sealed evacuated quartz tube at $300\text{ }^\circ\text{C}$ for 12 hours after the 6th hydrogen adsorption.