



**Fig.** Thermal desorption mass spectra of (a) a mixture of 1:1 LiH + LiNH<sub>2</sub> and (b) the mixture with 1 mol% TiO<sub>2</sub> in the heating process up to 450 °C under a He gas flow atmosphere at a heating rate of 5 °C/min. Solid and dotted lines indicate mass 2 and mass 17, respectively.