Supplementary Information

Activated boron nitride as an effective adsorbent for metal ions and organic pollutants

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The DTA and TG curves are recorded from the precursor in flowing nitrogen, as illustrated in Figure S1. The first continuous weight loss occurs up to ~120 °C with an endothermic peak centered at ~162 °C. The step shows a large weight loss of ~21.6% ranging from 120 to 202 °C. The other two endothermic peaks centered at 550 and 1082 °C corresponds to the larger weight loss. Furthermore, the total weight loss of 77.6% could be documented from 120 to 1080 °C for the precursor. This further reveals that the heating temperature dramatically influences the final products.



Figure S1 TG and DTA of the MBN precursor performed in an inert nitrogen atmosphere. Temperature step: 10 °C /min