**Figure S1.** View of a fragment of the packing along the crystallographic b axis showing the π-π stacking interactions together with the shortest Br···Br contacts (broken lines) in 3. Cations and hydrogen atoms have been omitted for clarity. Color code: Re, dark green; Br, purple; N, blue; O, red; C, grey.

**Figure S2.** View of a fragment of the packing along the crystallographic b axis showing the π-π stacking interactions together with the shortest Br···Br contacts (broken lines) in 4. Cations and hydrogen atoms have been omitted for clarity. Color code: Re, dark green; Br, purple; N, blue; O, red; C, grey.