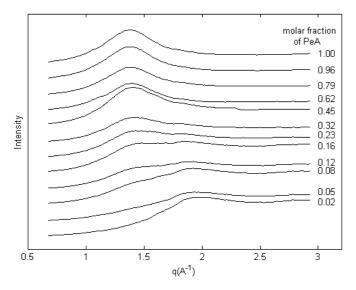
Nanostructured Protic Ionic Liquids Retain Nanoscale Features in Aqueous Solution while Precursor Brønsted Acids and Bases Exhibit Different Behaviour

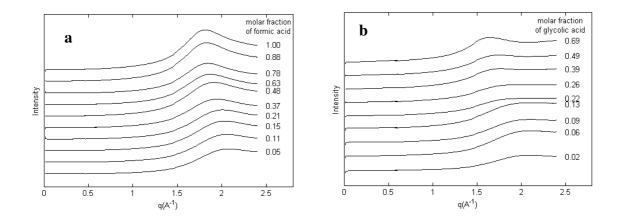
Tamar L. Greaves¹, Danielle F. Kennedy¹, Asoka Weerawardena¹, Nicholas M.K. Tse¹, Nigel Kirby², Calum J. Drummond^{1*}



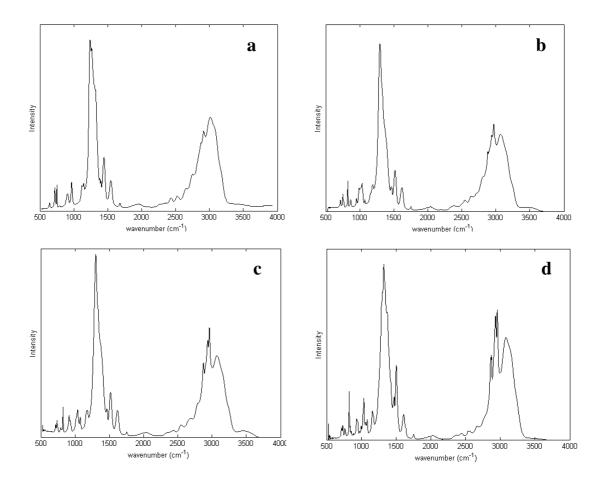
Supporting information. Figure S1. WAXS of neat pentylamine (PeA) top, and PeA-water solutions. The WAXS patterns have been offset with intensity to aid in viewing.

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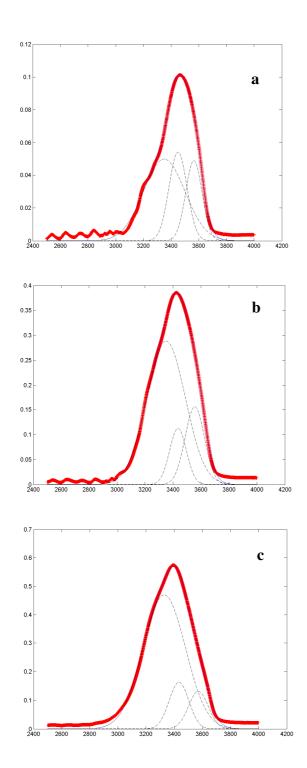
² Australian Synchrotron, 800 Blackburn Rd, Clayton VIC 3169, Australia.



Supporting information. Figure S2. SWAXS patterns for a) formic acid and b) glycolic acid with water.



Supporting information. Figure S3. IR spectra of neat a) EAN b) PAN c) BAN and d) PeAN.



Supporting information. Figure S4. Three Gaussian's used to fit IR spectra of a) 10% water in EAN, b) 50% water in EAN and c) 90% water in EAN.