

Supporting information

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Table S1. Observed kinetic constants for the reaction between 9-anthracenemethanol and N-Ethylmaleimide at 313 K in the [Bzbim]_x[Bz(F₅)bim]_{1-x}[NTf₂] mixtures.

x	10⁵ k (s⁻¹)
0	0.33
0.0523	0.80
0.195	0.98
0.397	1.06
0.504	1.06
0.601	1.04
0.692	0.98
0.805	0.90
0.849	0.87
0.944	0.96
1	1.41

Table S2. Observed kinetic constants for the reaction between 9-anthracenemethanol and N-Ethylmaleimide at 313 K in the [Bzbim][NTf₂]_x[BF₄]_{1-x} mixtures.

x	10⁵ k (s⁻¹)
0.15	0.20
0.254	1.67
0.357	2.08
0.443	2.05
0.542	2.24
0.651	1.95
0.705	1.90
0.83	1.83
0.891	1.63
1	1.41

Table S3. Observed kinetic constants for the reaction between 9-anthracenemethanol and N-Ethylmaleimide at 313 K in the [Bzbim]_x[bEt₃N]_{1-x}[NTf₂] mixtures.

x	10⁵ k (s⁻¹)
0	1.32
0.098	1.52
0.15	1.59
0.20	1.64
0.25	1.68
0.30	1.81
0.40	1.76
0.55	1.64
0.59	1.56
0.85	1.51
1	1.41

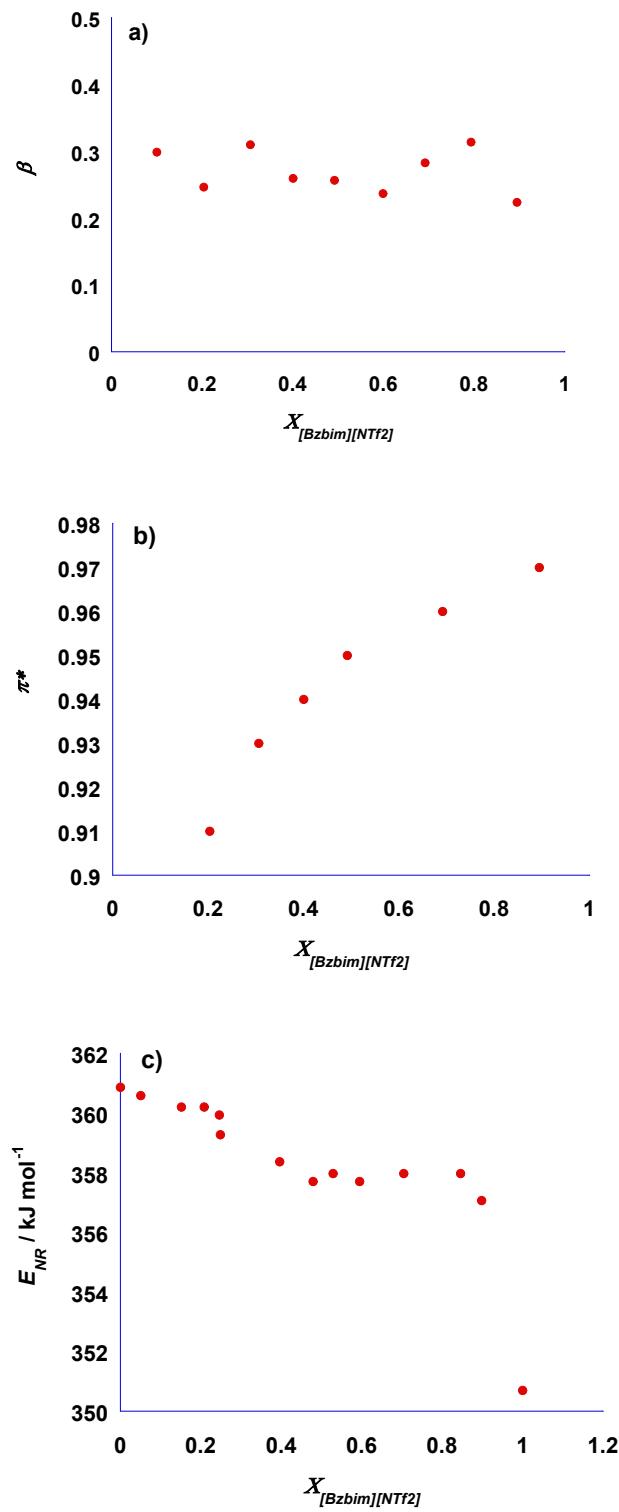
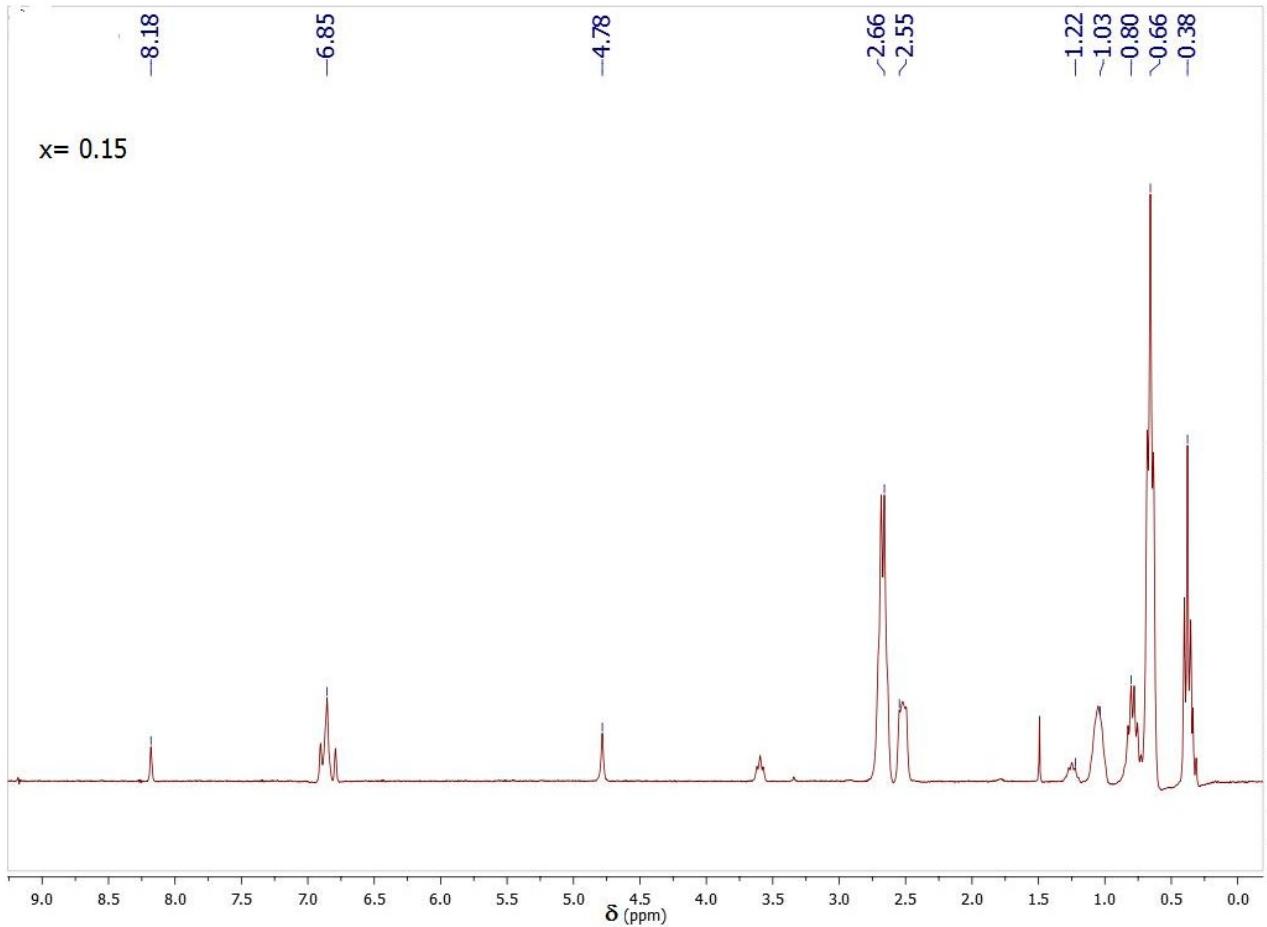
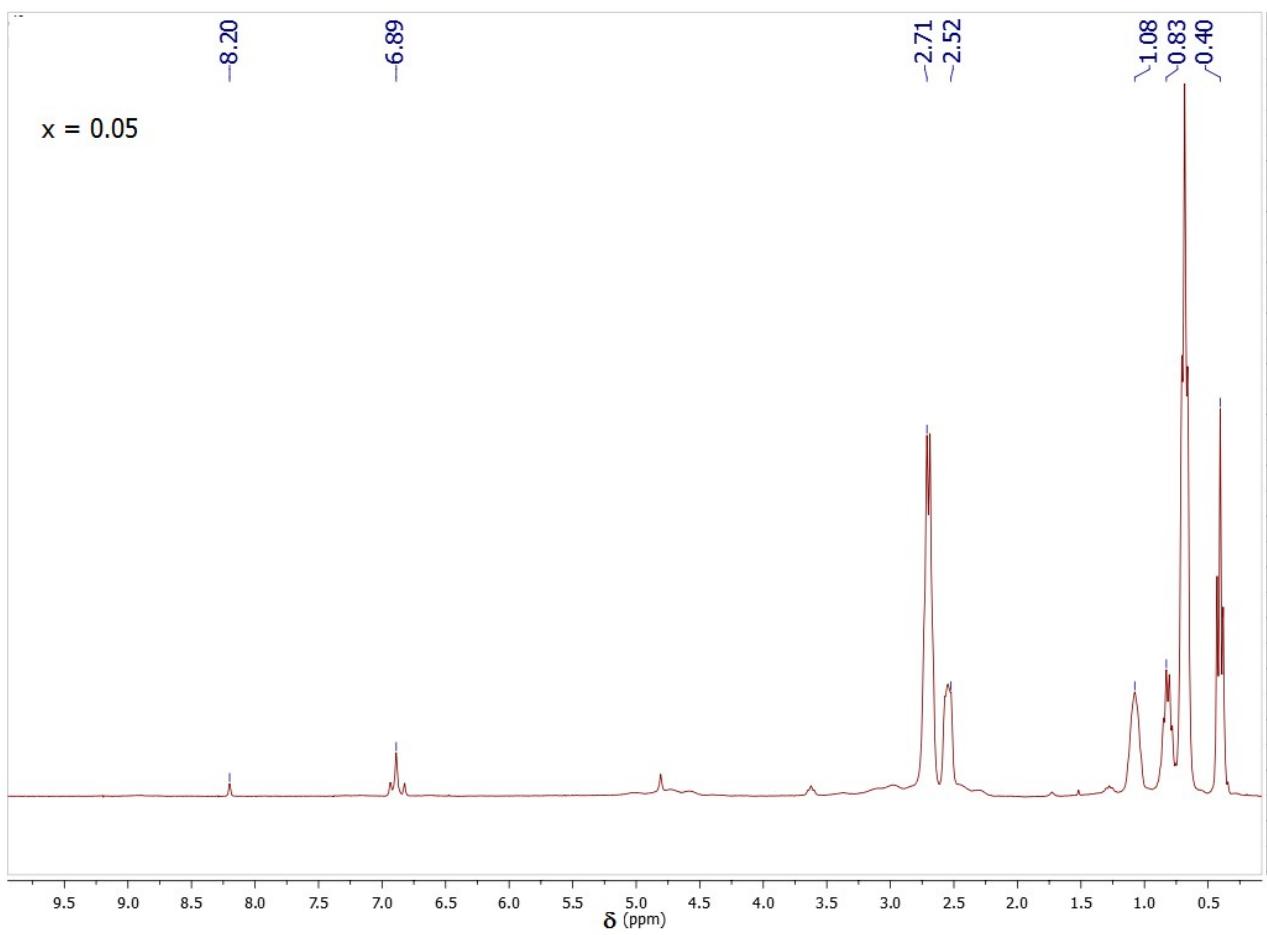
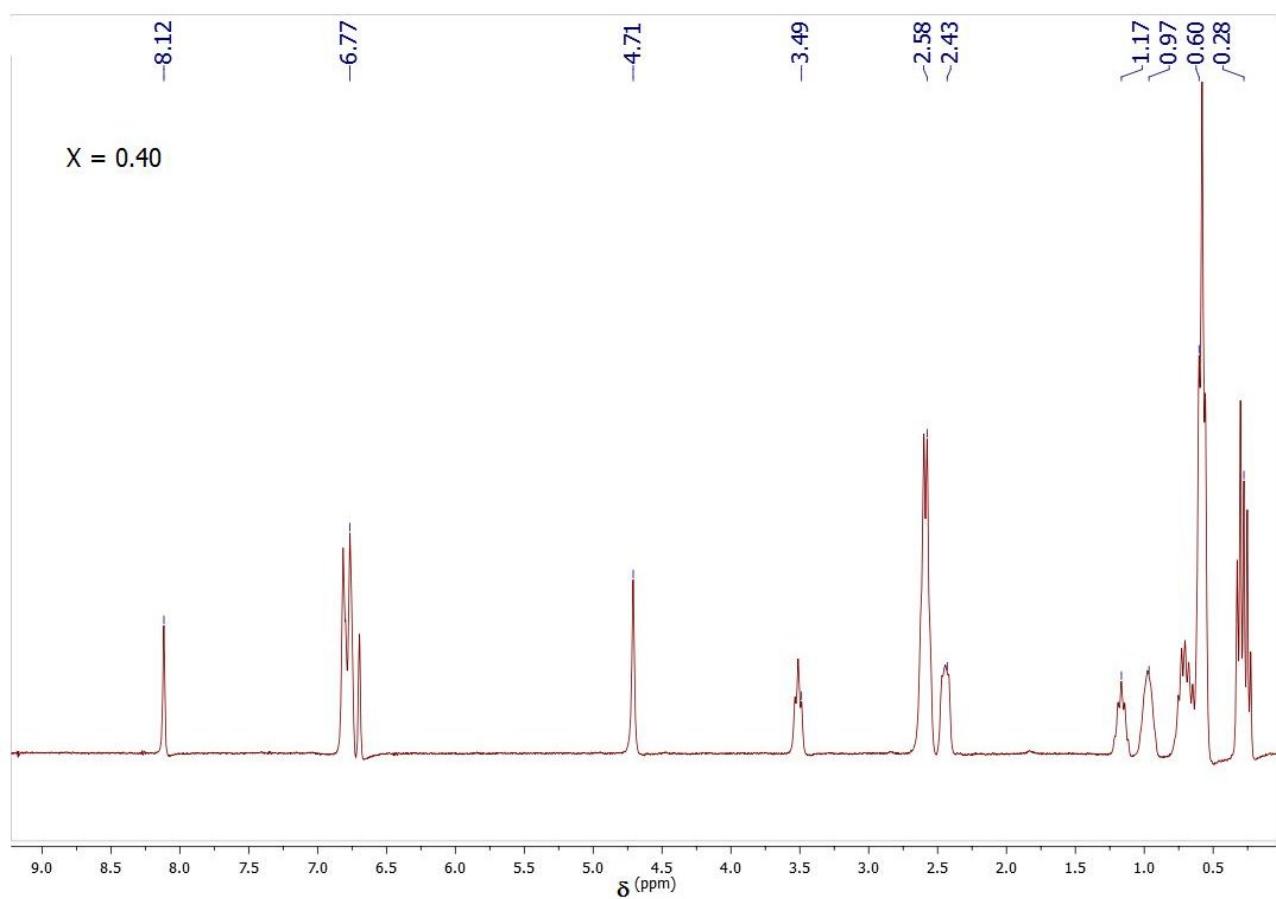
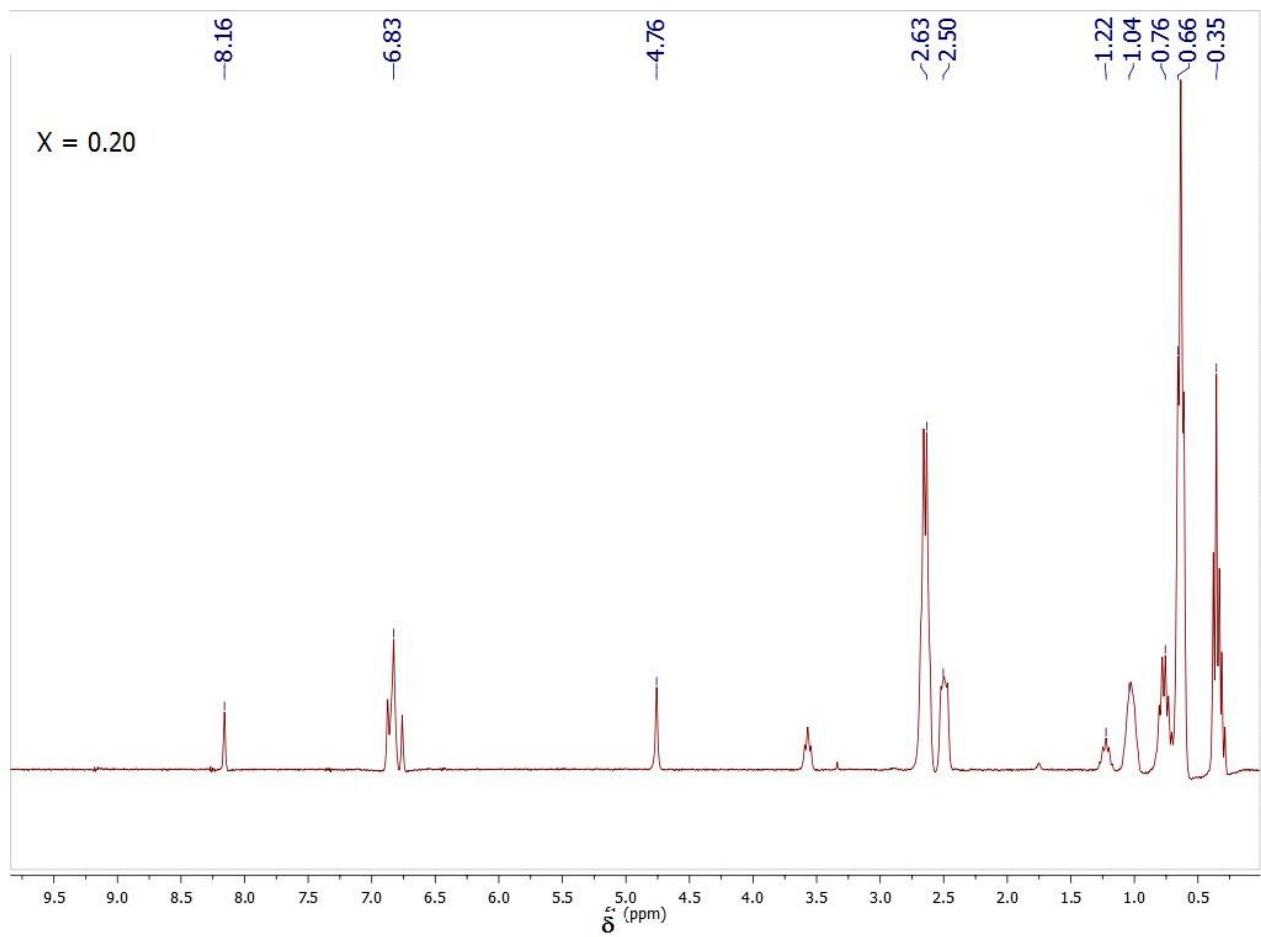
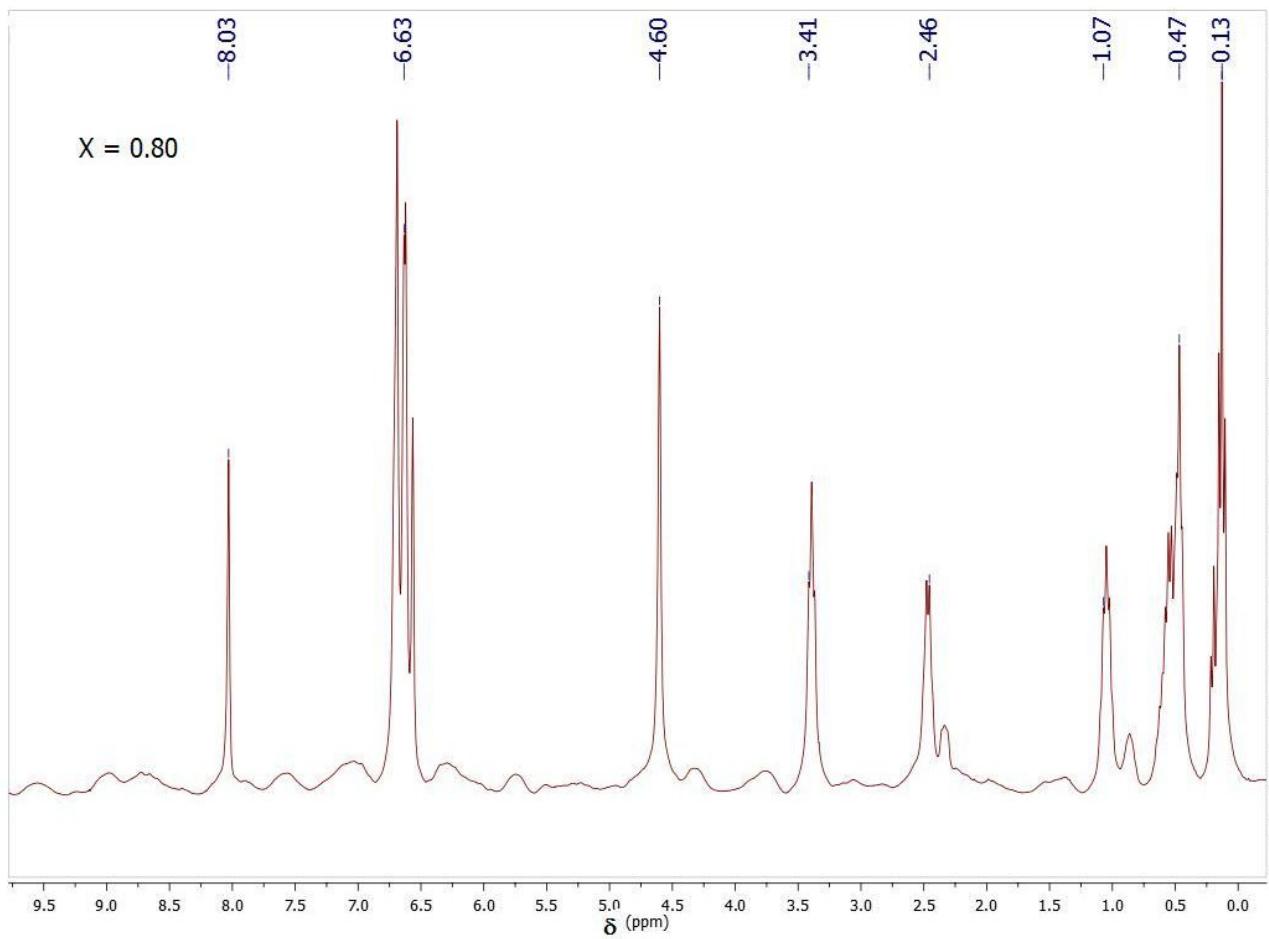
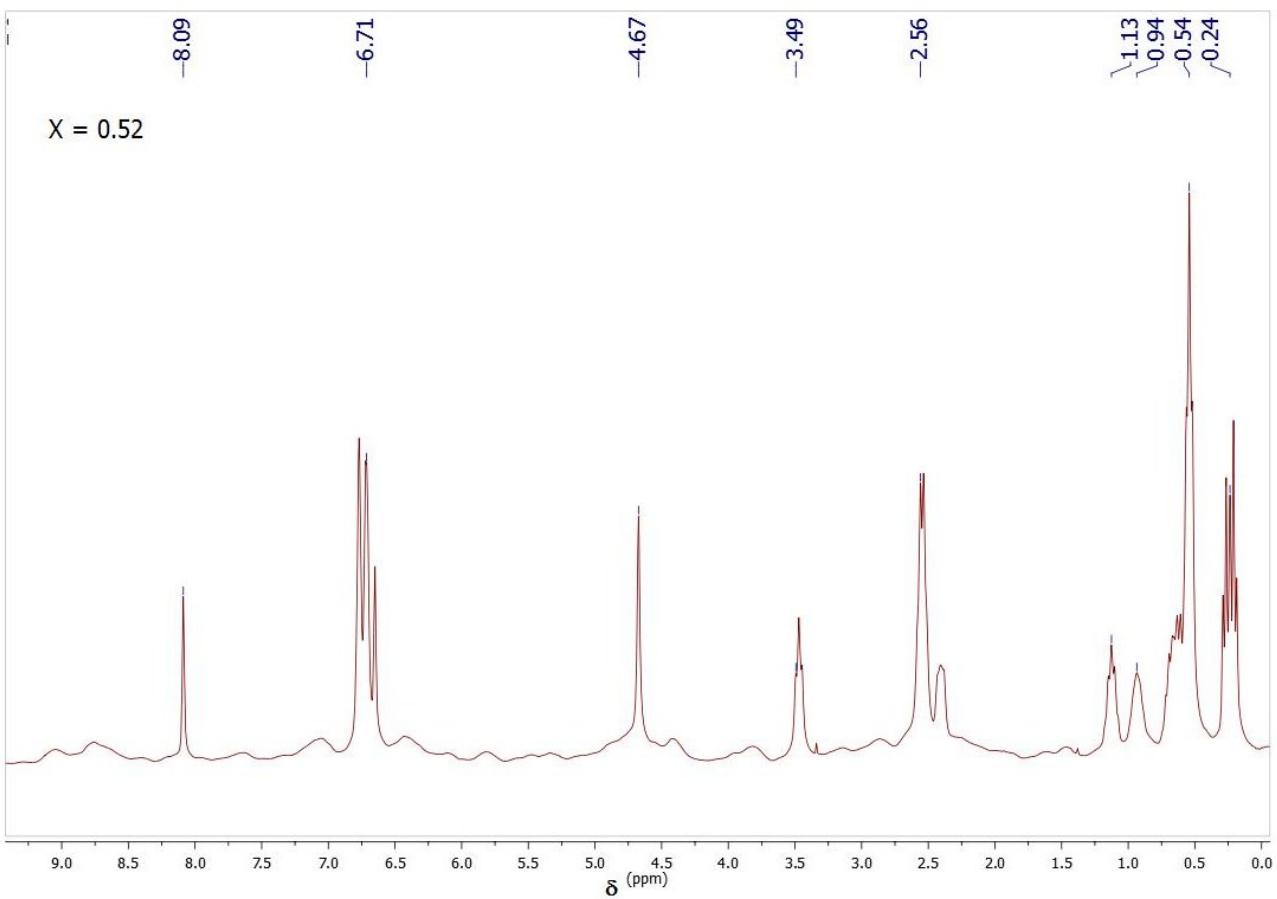


Figure S1. Plots of polarity parameters a) Kamlet-Taft β , b) Kamlet-Taft π^* and c) E_{NR} polarity parameters determined in solution of [Bzbim]_x[bEt₃N]_{1-x}[NTf₂].







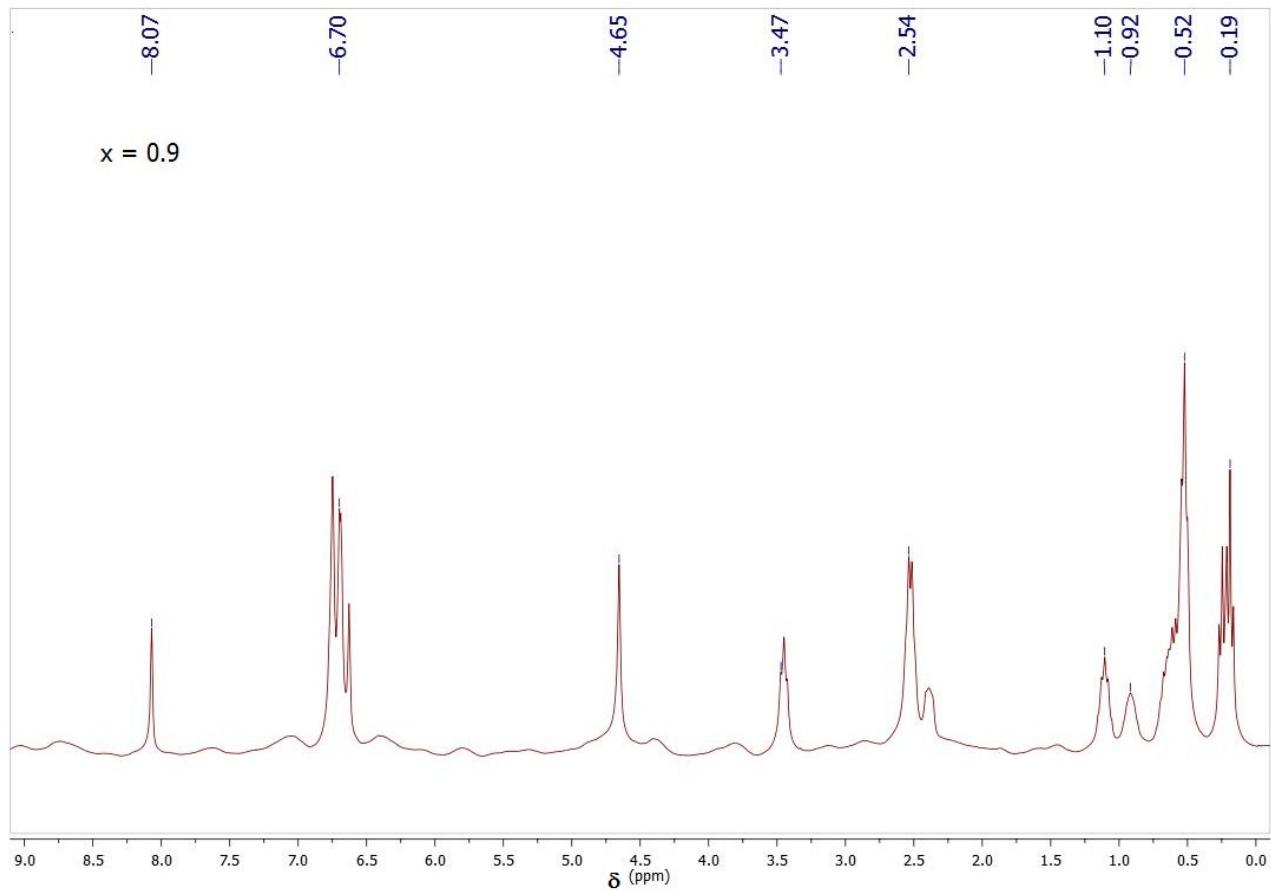


Figure S2. ¹H NMR spectra of [Bzbim]_x [bEt₃N]_{1-x}[NTf₂] mixtures.