

Electronic Supplemental Information (ESI) for:
**Tunable nanoporous block copolymer films using selective
solvents and solvents extraction**

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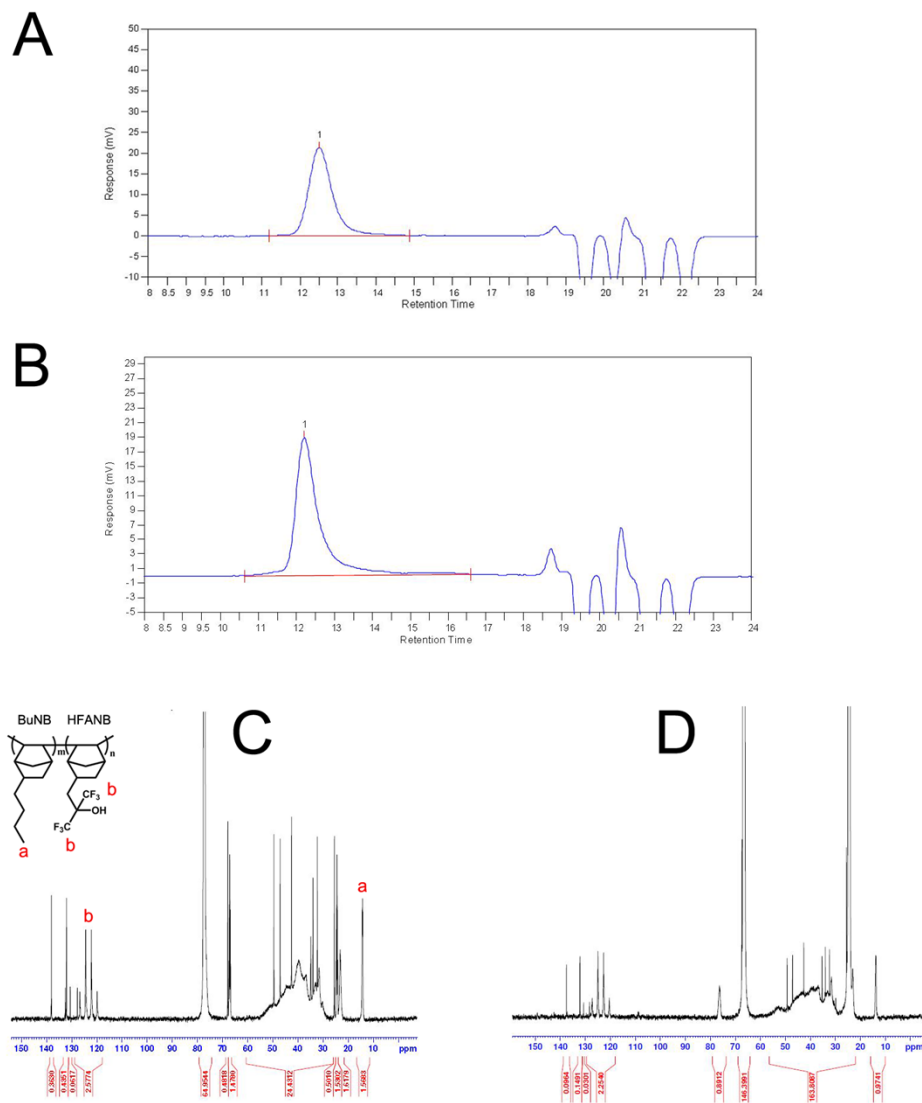


Figure S1. (A) GPC trace of 106 kg/mol BuHFA_{0.5}, (B) GPC trace of 74 kg/mol BuHFA_{0.59}. THF was used as eluent and the flow rate was 1 ml/min using RI detection. (C) ¹³C NMR spectrum of BuHFA_{0.5}, (D) ¹³C NMR spectrum of BuHFA_{0.59}.

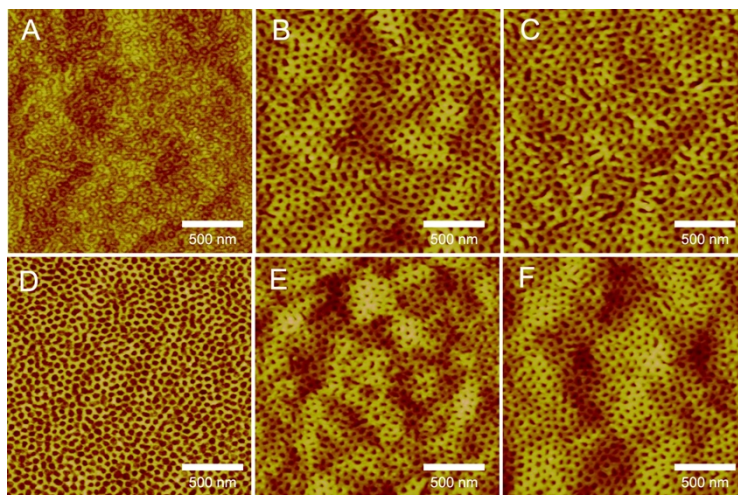


Figure S2. AFM height images of (A) as cast BuHFA_{0.59} film, (B) porous BuHFA_{0.59} film obtained from ethanol swelling, (C) porous BuHFA_{0.59} film obtained from butanol swelling, (D) as cast BuHFA_{0.50} film, (E) porous BuHFA_{0.50} film obtained from ethanol swelling, (F) porous BuHFA_{0.50} film obtained from butanol swelling.

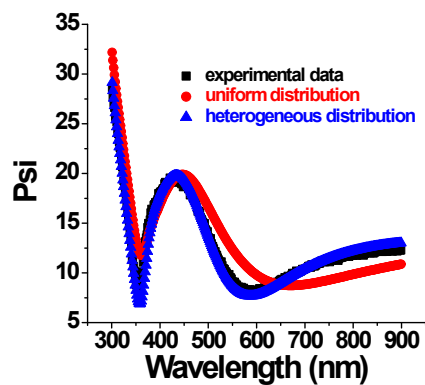


Figure S3. The differences in the best fits of the ellipsometric angles for a uniform and heterogeneous solvent distribution for BuHFA_{0.59} thin film swollen by ethanol.