## **Electronic Supplementary Material (ESI)**

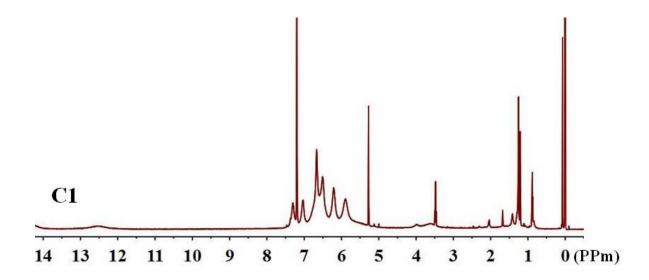


Fig.S1. <sup>1</sup>H NMR spectrum of C1

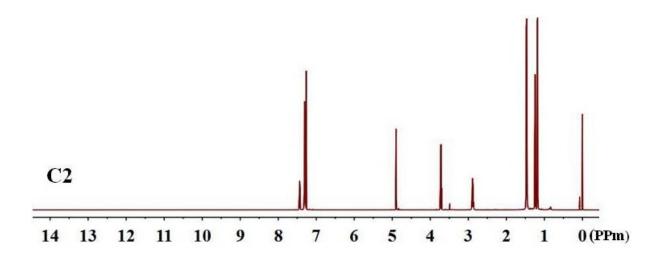


Fig.S2. <sup>1</sup>H NMR spectrum of C2

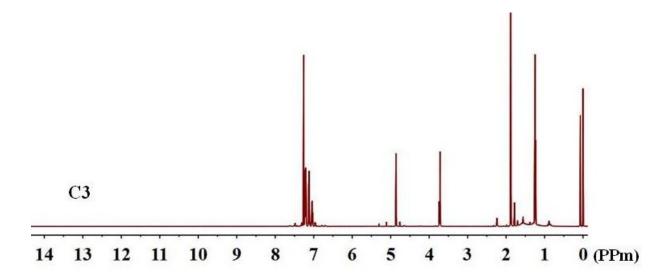


Fig.S3. <sup>1</sup>H NMR spectrum of C3

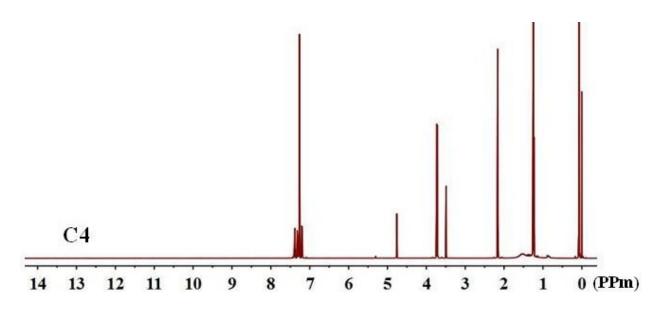


Fig.S4. <sup>1</sup>H NMR spectrum of C4

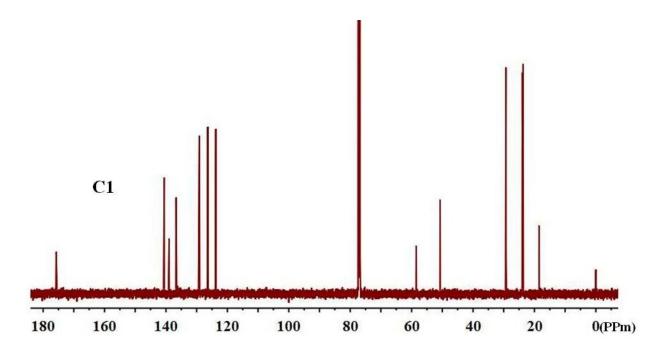


Fig.S5. <sup>13</sup>C NMR spectrum of C1

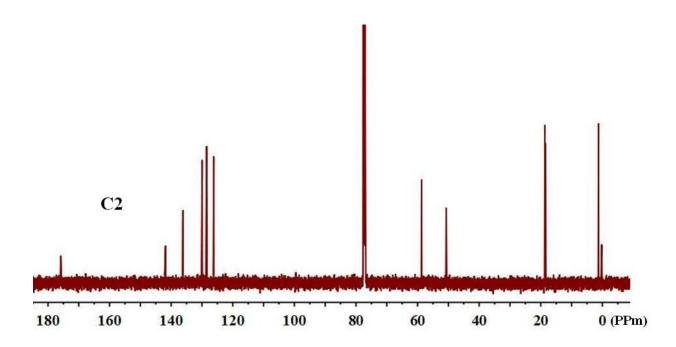


Fig.S6. <sup>13</sup>C NMR spectrum of C2

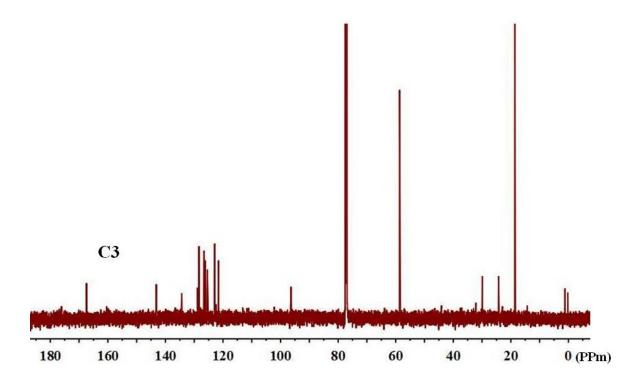


Fig.S7. <sup>13</sup>C NMR spectrum of C3

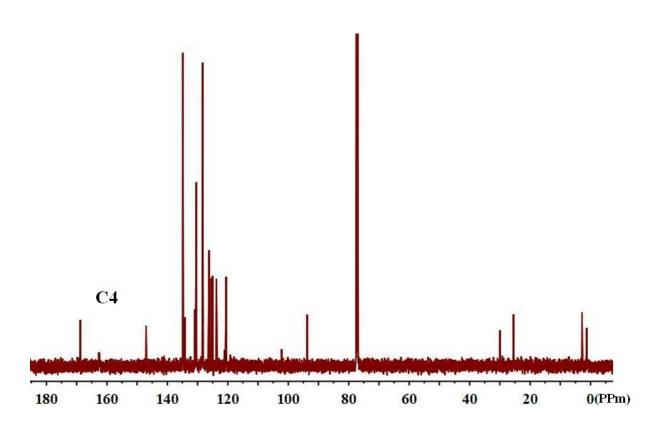
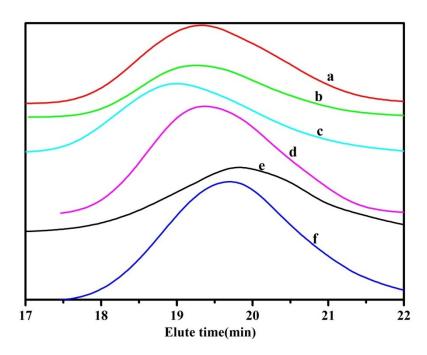


Fig.S8. <sup>13</sup>C NMR spectrum of C4



**Fig.S9.** GPC curves of the poly (NB-co-BN) with different BN molar ratios(%): (a) 62.1, (b) 43.6, (c) 37.5, (d) 22.4, (e) 100, and (f) 9.8 of BN molar ratio (%) obtained by **C2/MAO** system.