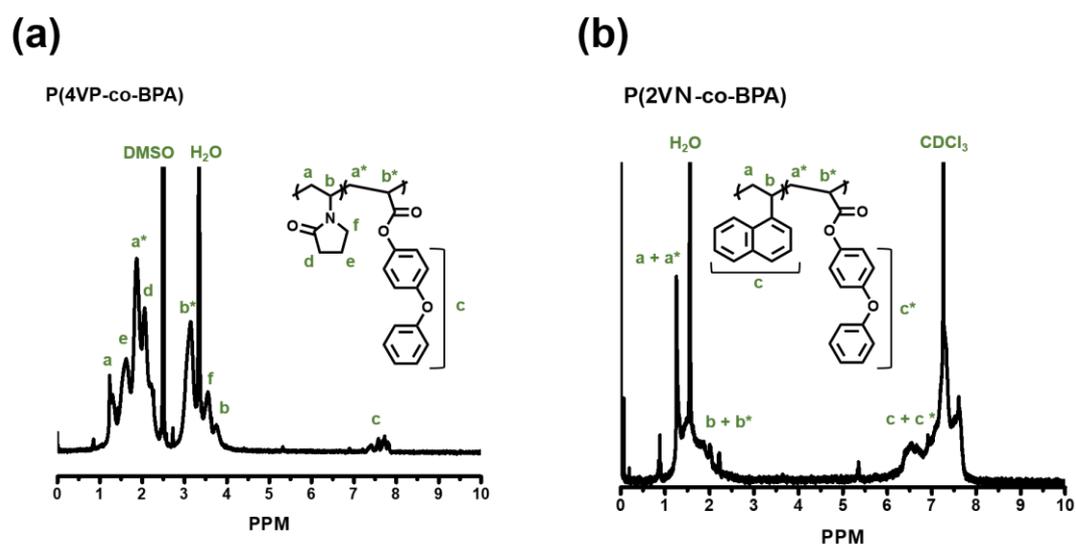


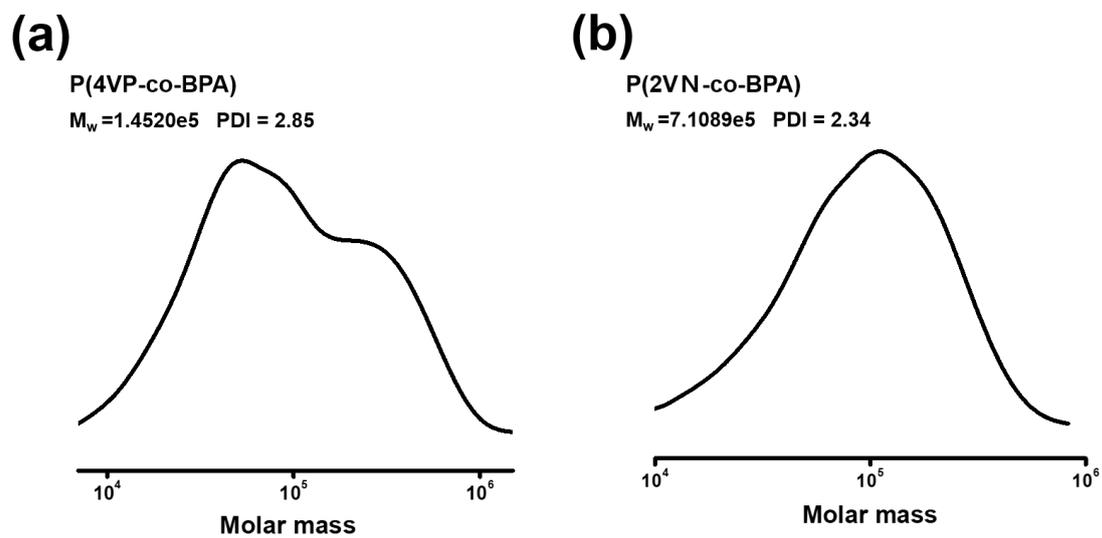
# **Dual responsive dependent background color based on thermochromic 1D photonic crystal multilayer films**

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**Figure S1.** <sup>1</sup>H NMR spectra of (a) P(4VP-co-BPA) and (b) P(2VN-co-BPA)



**Figure S2.** GPC traces of (a) P(4VP-co-BPA) and (b) P(2VN-co-BPA)