

## Supporting Information

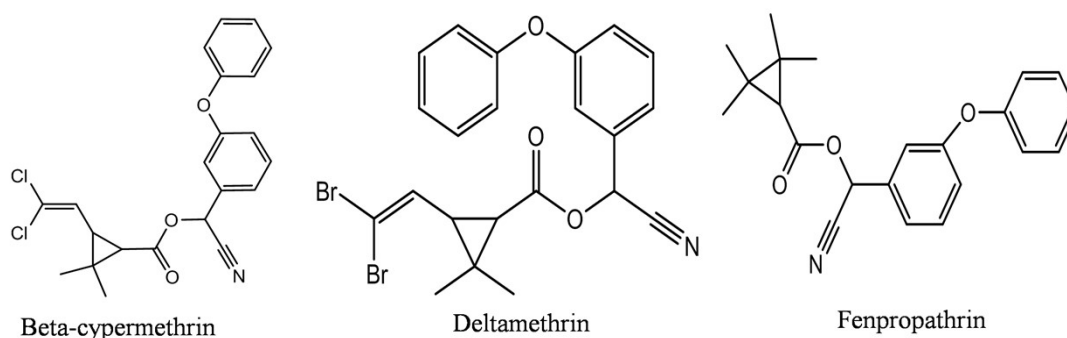


Figure S1 The molecular structures of cypermethrin, deltamethrin and fenpropathrin

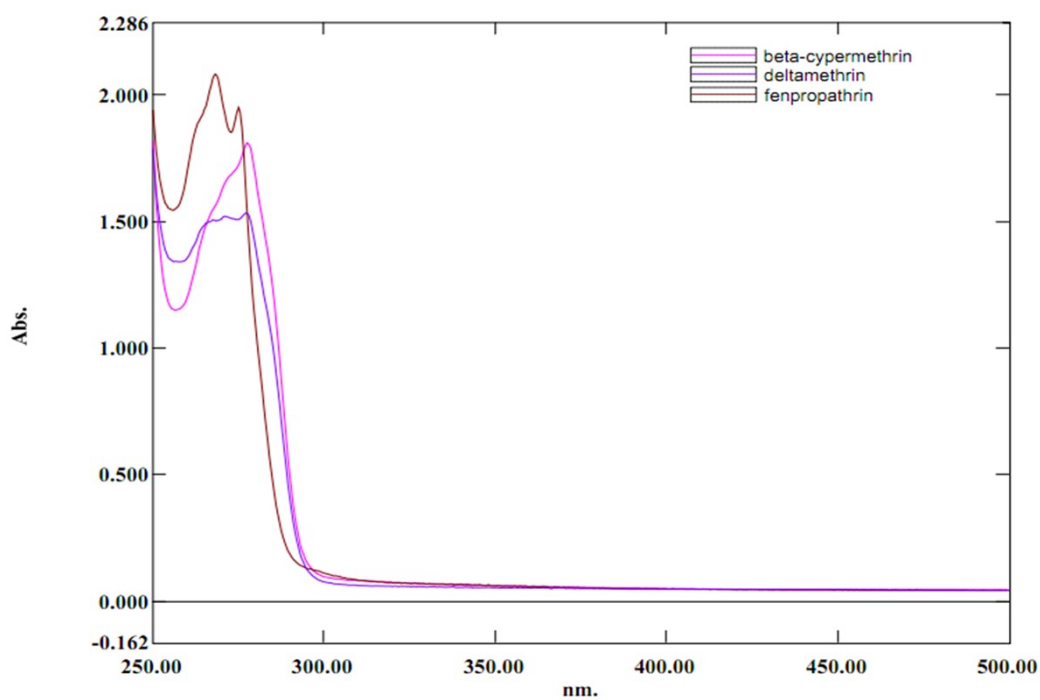


Figure S2 UV-vis absorption spectra of cypermethrin, deltamethrin and fenpropathrin ( $1 \text{ mg mL}^{-1}$ )

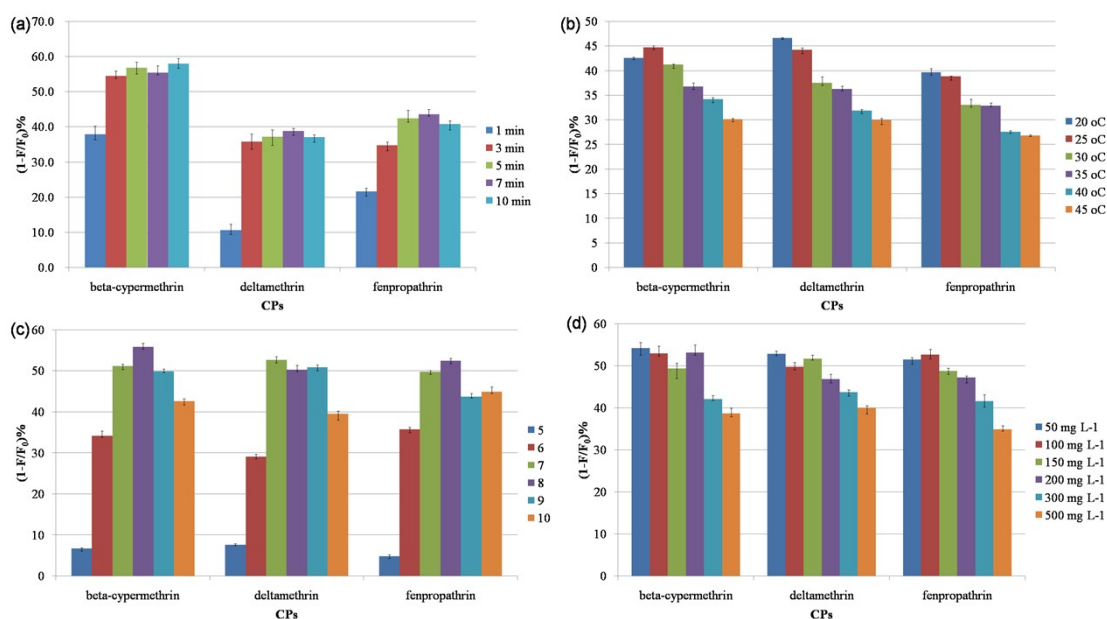


Figure S3 Optimization of experimental conditions. reaction time (a), reaction temperature (b), pH value (c) and concentration of benzothiazole-CDs (d) (n=5)

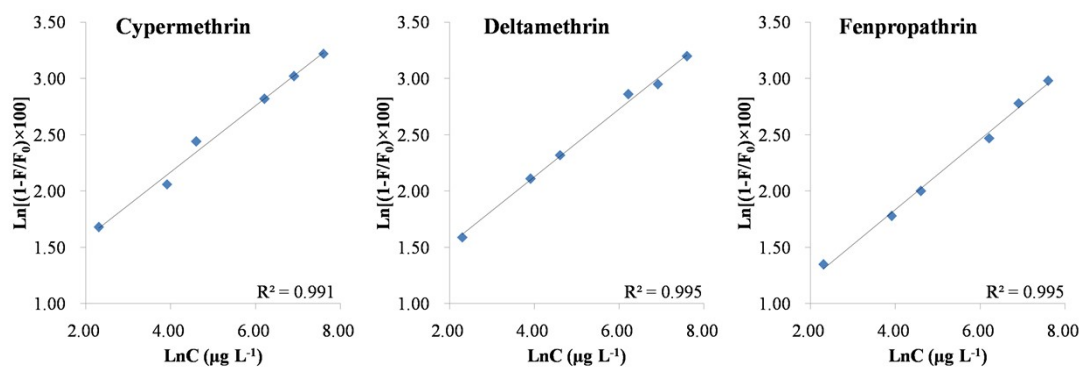


Figure S4 The standard curves of the relationship between CPs concentration and fluorescence intensity