Electronic Supplementary Material (ESI) for Analytical Methods

A high efficient extraction, separation, and detection method for pyrethroids in pork based on the investigation of interaction between pyrethroids and protein

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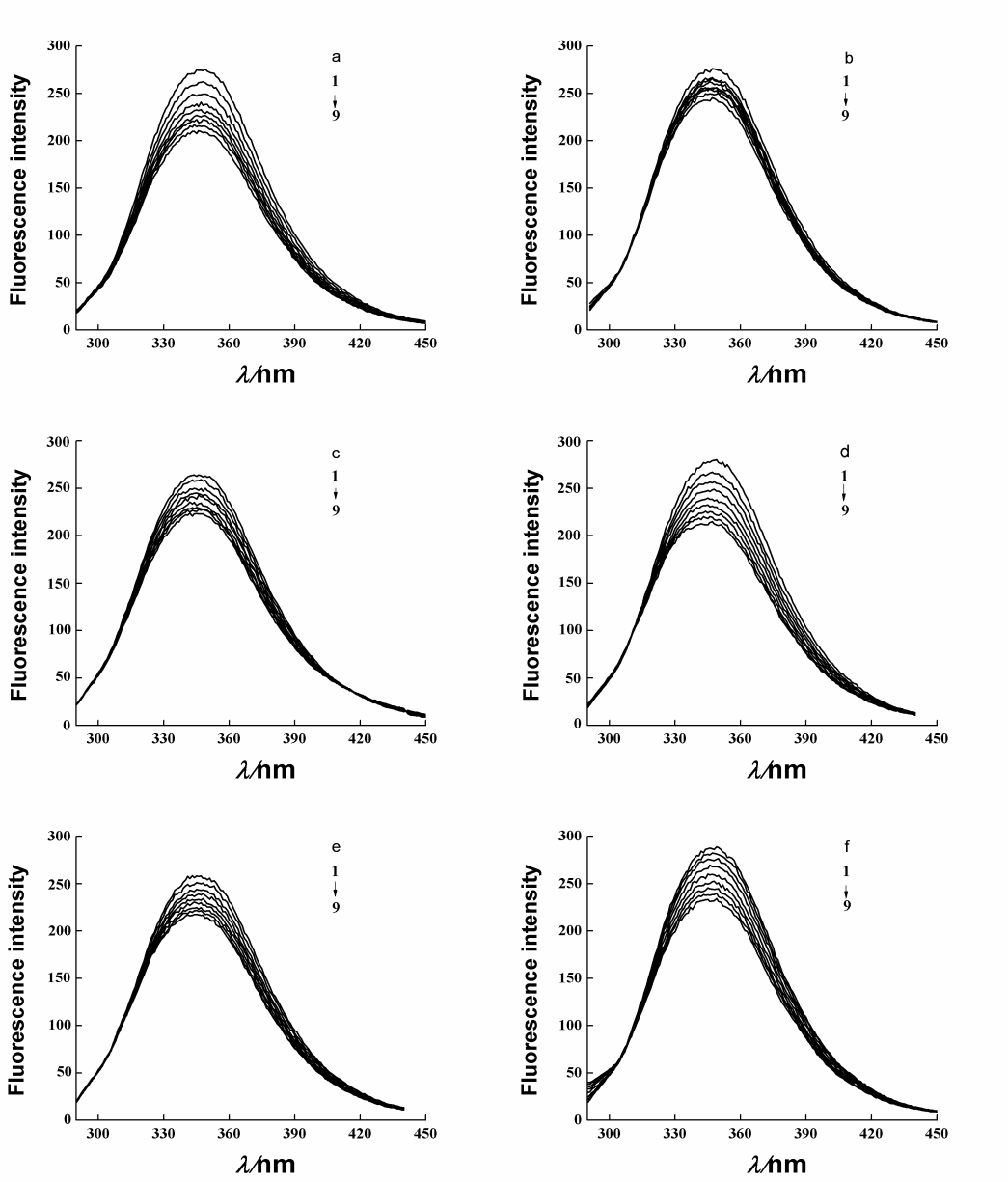

Figure S1 The quenching fluorescence spectra of BSA with pyrethroid pesticides at 298 K; λ_{ex} = 280 nm; c_{BSA} =1.0×10^{-6} mol L^{-1};

a. $10^6 c_{tetramethrin}$, 1→9: 0.00, 3.33, 6.67, 10.00, 13.33, 16.67, 20.00, 23.33, 26.67 mol L^{-1}.

b. $10^6 c_{Fenpropathrin}$, 1→9: 0.00, 3.33, 6.67, 10.00, 13.33, 16.67, 20.00, 23.33, 26.67mol L^{-1}.

c. $10^6 c_{Cyhalothrin}$, 1→9: 0.00, 3.33, 6.67, 10.00, 13.33, 16.67, 20.00, 23.33, 26.67 mol L^{-1}.

d. $10c^6_{Cypermethrin}$, 1→9: 0.00, 3.33, 6.67, 10.00, 13.33, 16.67, 20.00, 23.33, 26.67 mol L^{-1}.

e. $10^6\ c_{\text{Fenvalerate}}$, 1→9: 0.00, 3.33, 6.67, 10.00, 13.33, 16.67, 20.00, 23.33, 26.67 mol L^{-1}.

f. $10^6\ c_{\text{Deltamethrin}}$, 1→9: 0.00, 3.33, 6.67, 10.00, 13.33, 16.67, 20.00, 23.33, 26.67 mol L^{-1}.

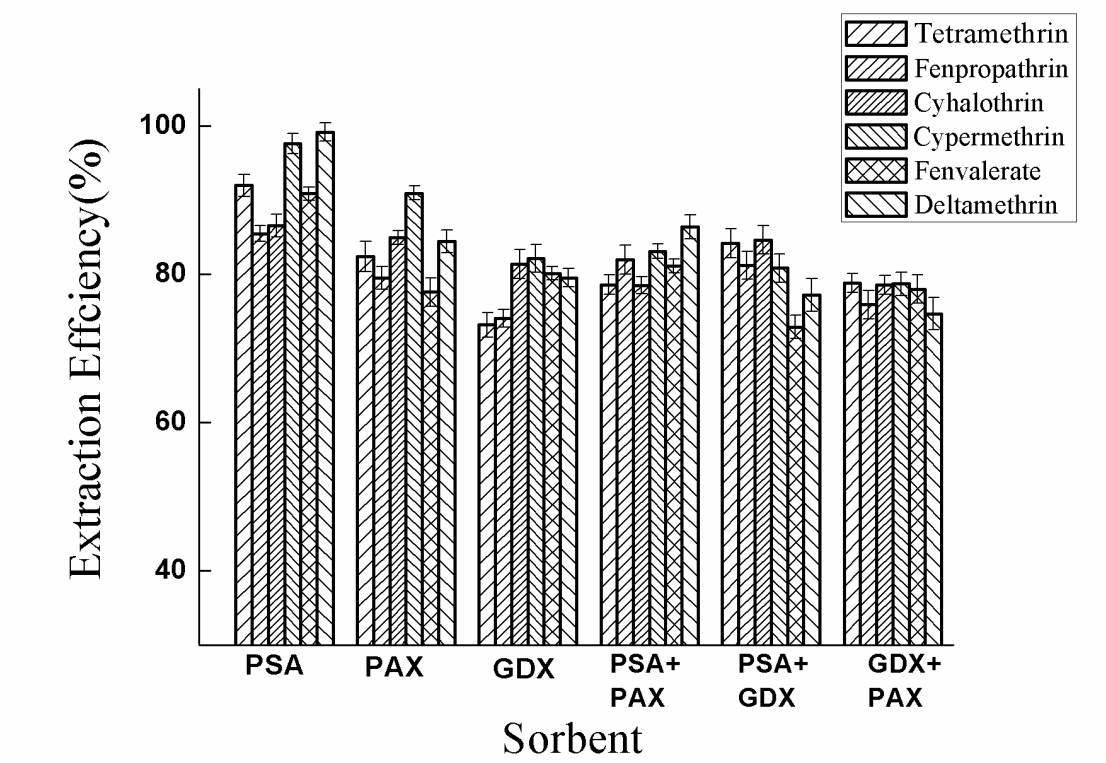

Figure S2 Effect of sorbent on the extraction efficiencies of pyrethroid pesticides.