The ultraviolet scan results of sibutramine hapten, parathion methyl hapten, BSA, OVA, parathionmethyl-BSA-sibutramine (20:1: excess), parathion-methyl-OVA-sibutramine (20:1: excess), sibutramine-BSA-methyl parathion (20:1: excess), and sibutramine-OVA methyl parathion (20:1: excess) UV scans are shown in Figure 3-4, with an absorption peak at 287 nm and a methyl parathion hapten at 290 nm, absorption peaks at 260 nm for BSA, and absorption peaks at 279 nm for OVA, and the absorption peaks of the four conjugates were significantly different from those of the corresponding reactants, indicating that the four conjugates were successfully coupled.



Figure.3 Scheme 1: UV scan curves of sibutramine, parathion-methyl, BSA, and parathion-methyl-BSAsibutramine (A) and Scheme 2. UV scan curves of sibutramine, parathion-methyl, OVA, and parathionmethyl-OVA-sibutramine (B).



Figure.4 Scheme 1: UV scan curves of sibutramine, parathion-methyl, BSA, and sibutramine-BSA-parathion-methyl (A) and Scheme 2. UV scan curves of sibutramine, parathion-methyl, OVA, and sibutramine-OVA-parathion-methyl (B).