

Fig. 1. Separation of acidic compounds on: (A) YMC-Pack NH₂; (B) TSKgel Amide-80; (C) ZIC-HILIC; and (D) HILIC Silica columns. Mobile phase: acetonitrile/water (85/15, v/v) containing 20 mM ammonium acetate. Column temperature: 30 °C. Flow rate: 1.5 mL/min. UV detection at 228 nm. Compounds: (1) salicylamide, (2) salicylic acid, (3) 4-aminosalicylic acid, (4) acetylsalicylic acid, and (5) 3,4-dihydroxyphenylacetic acid.

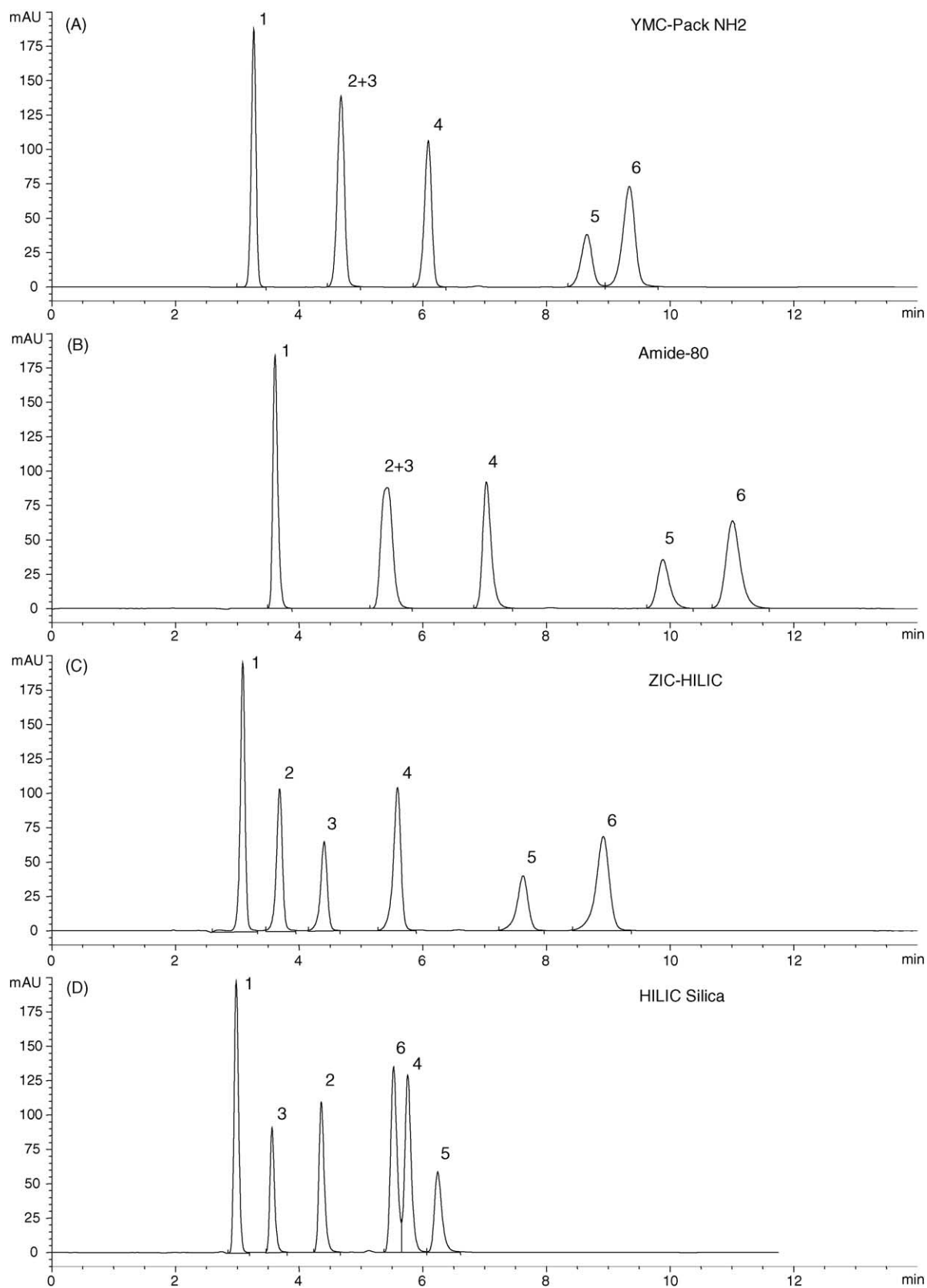


Fig. 2. Separation of nucleic acid bases and nucleosides on: (A) YMC-Pack NH₂, (B) TSKgel Amide-80, (C) ZIC-HILIC, and (D) HILIC Silica columns. Mobile phase: acetonitrile/water (85/15, v/v) containing 10 mM ammonium acetate. Column temperature: 30 °C. Flow rate: 1.5 mL/min. UV detection at 248 nm. Compounds: (1) uracil, (2) adenosine, (3) uridine, (4) cytosine, (5) cytidine, and (6) guanosine.