

核酸塩基の分離 (5)

SunShell C18 2.6 μm, 150 x 4.6 mm i.d.

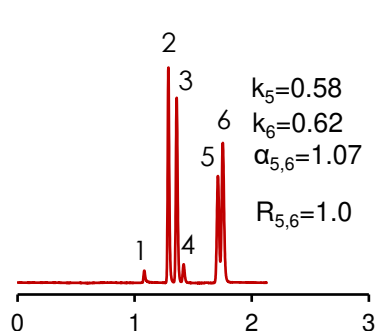
SunShell RP-AQUA 2.6 μm, 150 x 4.6 mm i.d.

SunShell Biphenyl 2.6 μm, 150 x 4.6 mm i.d.

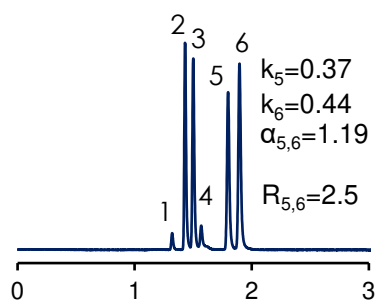
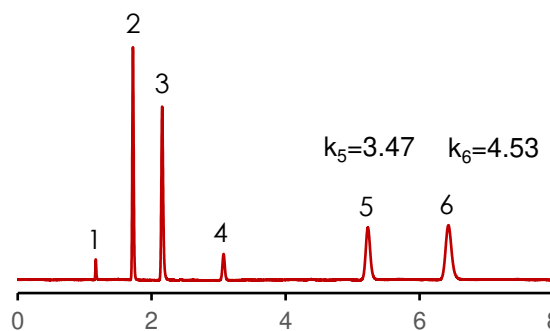
Nucleic acid bases (5)

A) Methanol:10 mM ammonium acetate pH6.8=20:80

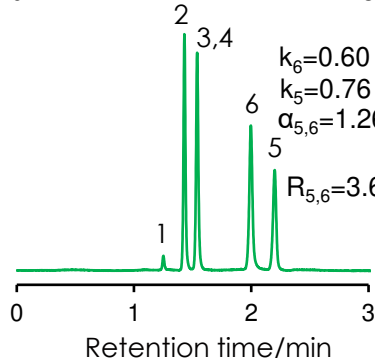
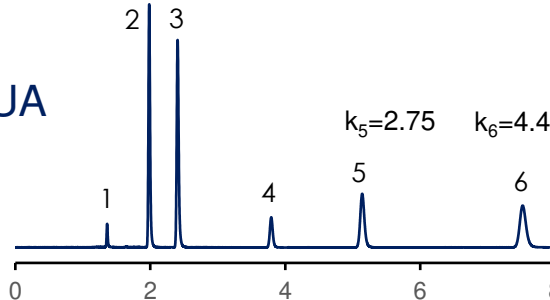
B) 10 mM ammonium acetate pH6.8



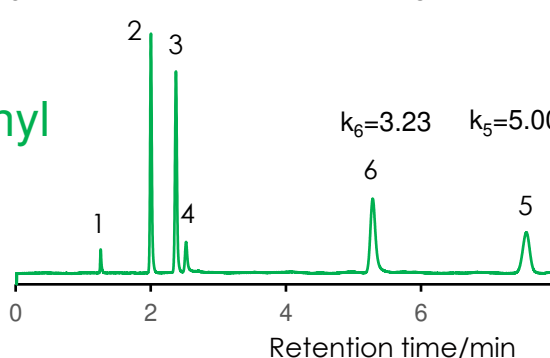
C18



RP-AQUA



Biphenyl

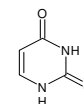


1. NaNO₂

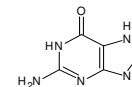
2. Cytosine



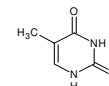
3. Uracil



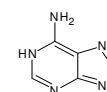
4. Guanine



5. Thymine



6. Adenine



Column: SunShell C18 2.6 μm, 150 x 4.6 mm (pore size: 9 nm)

SunShell RP-AQUA 2.6 μm, 150 x 4.6 mm (pore size: 16 nm)

SunShell Biphenyl 2.6 μm, 150 x 4.6 mm (pore size: 9 nm)

Mobile phase: A) Methanol:10 mM ammonium acetate pH6.8=20:80

B) 10 mM ammonium acetate pH6.8

Flow rate: 1.0 mL / min

Temperature: 40 °C

Detection: UV@250 nm

Sample: 1 = Sodium nitrite, 2 = Cytosine, 3 = Uracil, 4 = Guanine, 5 = Thymine, 6 = Adenine

★Both RP-AQUA and Biphenyl columns show no decrease in the retention time under 100% aqueous conditions.