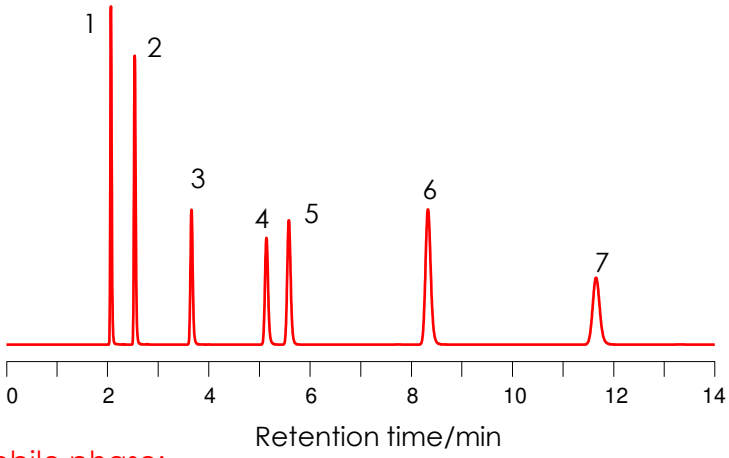
核酸塩基の分離 (4)

Nucleic acid bases (4)

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

SunShell HILIC-Amide 2.6 µm, 150 x 4.6 mm i.d.

Column: SunShell RP-AQUA, 2.6 µm 150 x 4.6 mm



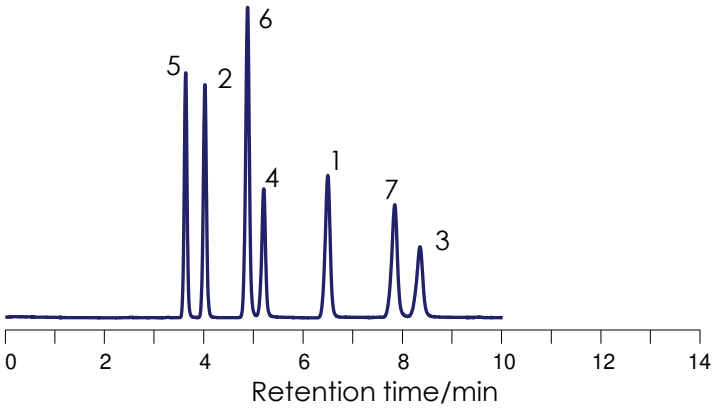
Mobile phase:

20 mM ammonium acetate pH6.8

Flow rate: 1.0 mL / min Temperature: 40 ℃

Pressure: 23.8 MPa Detection: UV@250 nm

Column: SunShell HILIC-Amide, 2.6 µm, 150 x 4.6 mm

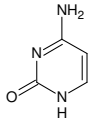


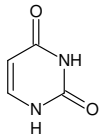
Mobile phase:

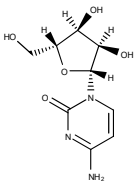
20 mM ammonium acetate pH6.8:Acetonitrile = 20:80

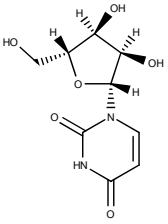
Flow rate: 0.5mL / min Temperature: 40 ℃

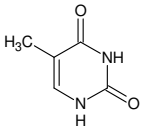
Pressure: 6.1 MPa Detection: UV@250 nm

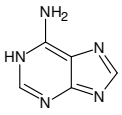
1  Cytosine

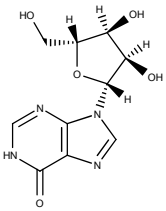
2  Uracil

3  Cytidine

4  Uridine

5  Thymine

6  Adenine

7  Inosine

核酸塩基は親水性の高い物質ですが、SunShell RP-AQUAであれば水100%の移動相でも使用でき、良好な分離を示します。

また、SunShell HILIC－Amideを使用すれば有機溶媒濃度を高くする事ができますが、LC/MSにはブリードの少ないSunShell HILIC-Sをお勧めいたします。

Instrument	
Hitachi	Chromaster®
Detector:	5410
Oven:	5310
AutoSampler:	5260
Pump:	5160