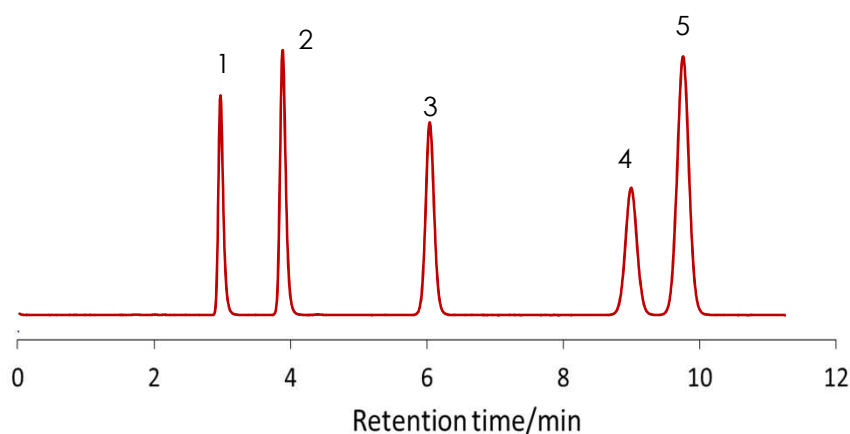


## 核酸塩基の分離

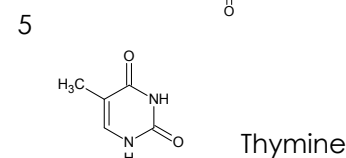
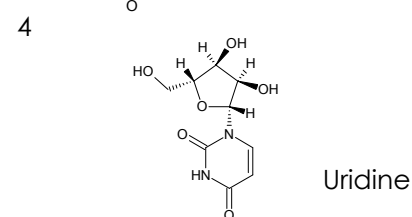
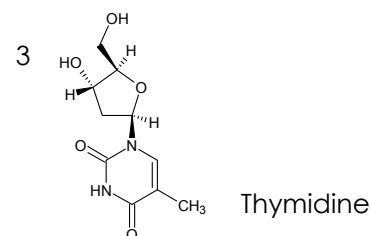
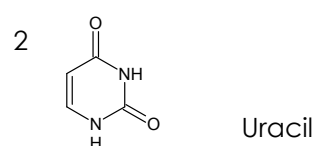
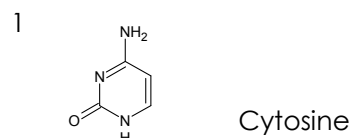
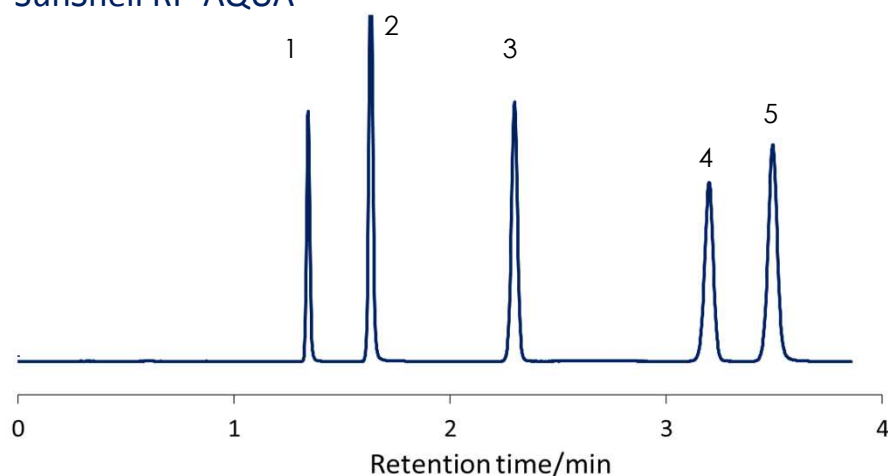
### Nucleic acid bases

SunShell RP-AQUA 2.6  $\mu$ m, 150 x 4.6 mm i.d.

Sunniest RP-AQUA



SunShell RP-AQUA



TF: USP tailing factor

Column: Sunniest RP-AQUA 5  $\mu$ m 150 x 4.6 mm

SunShell RP-AQUA, 2.6  $\mu$ m 150 x 4.6 mm

Mobile phase: 10mM Phosphate buffer pH7.0

Flow rate: 1.0 mL/min for Sunniest,

1.5 ml/min for SunShell

Temperature: 40 °C

Detection: UV@250nm

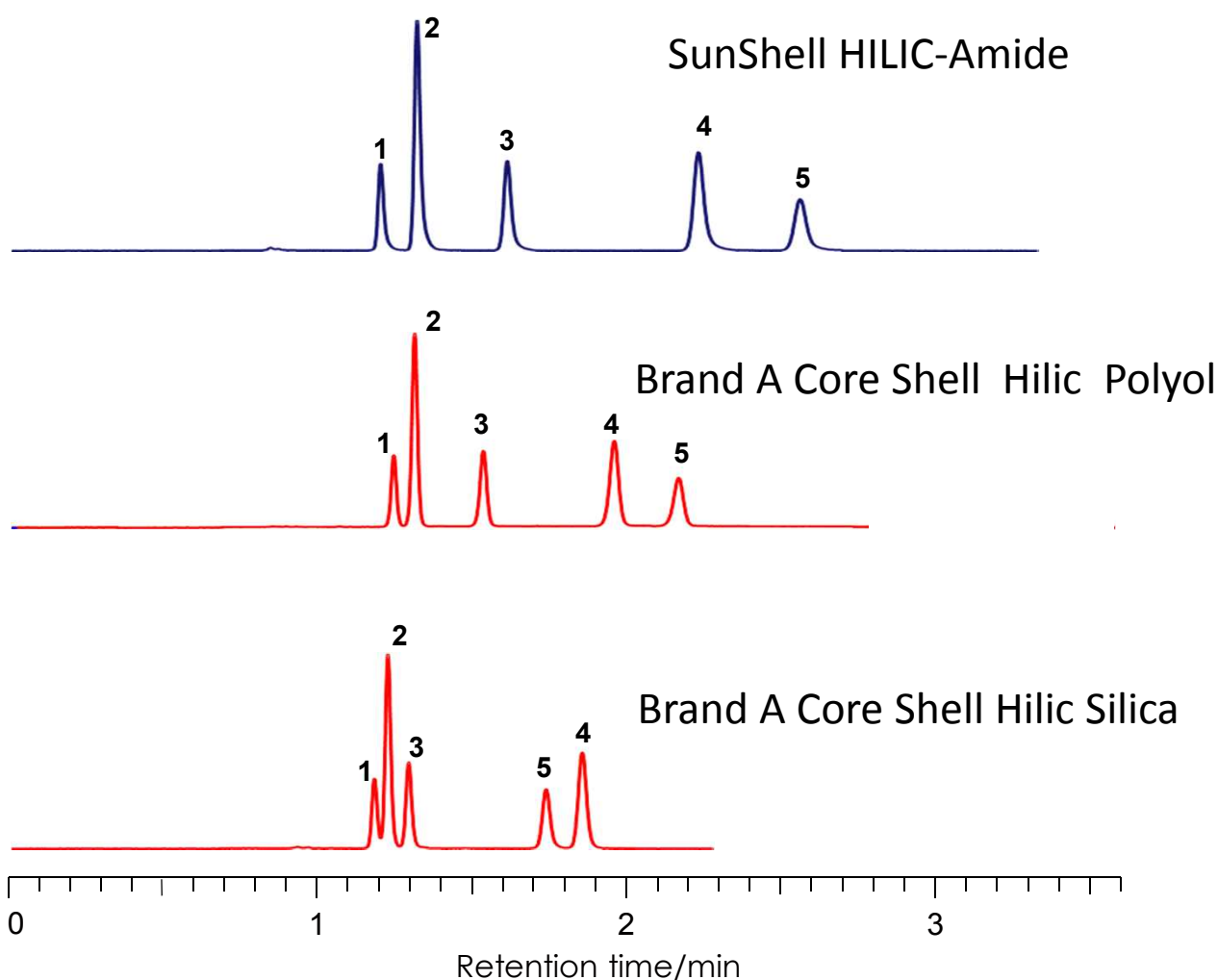
Sample: 1 = Cytosine, 2 = Uracil, 3 = Thymidine, 4 = Uridine, 5 = Thymine

	Plate(5)	Resolution (4,5)
Sunniest	14,000	1.98
SunShell	30,000	3.79

## 核酸塩基の分離比較

### Nucleic acid bases

SunShell HILIC-Amide 2.6  $\mu\text{m}$ , 100 x 4.6 mm i.d.



Column:

SunShell HILIC-Amide 2.6  $\mu\text{m}$ , 100 x 4.6 mm

Brand A Core Shell Hilic Polyol 2.7  $\mu\text{m}$  : 100 x 4.6 mm

Brand A Core Shell Hilic Silica 2.7  $\mu\text{m}$  : 100 x 4.6 mm

Mobile phase: acetonitrile: 20 mM ammonium acetate(pH4.7) =8:2

Flow rate: 1.0 mL/min

Temperature: 40  $^{\circ}\text{C}$

Detection: UV@250 nm

Sample: 1= Thymine, 2 = Uracil, 3 = Uridine, 4 = Cytosine, 5 = Cytidine

