

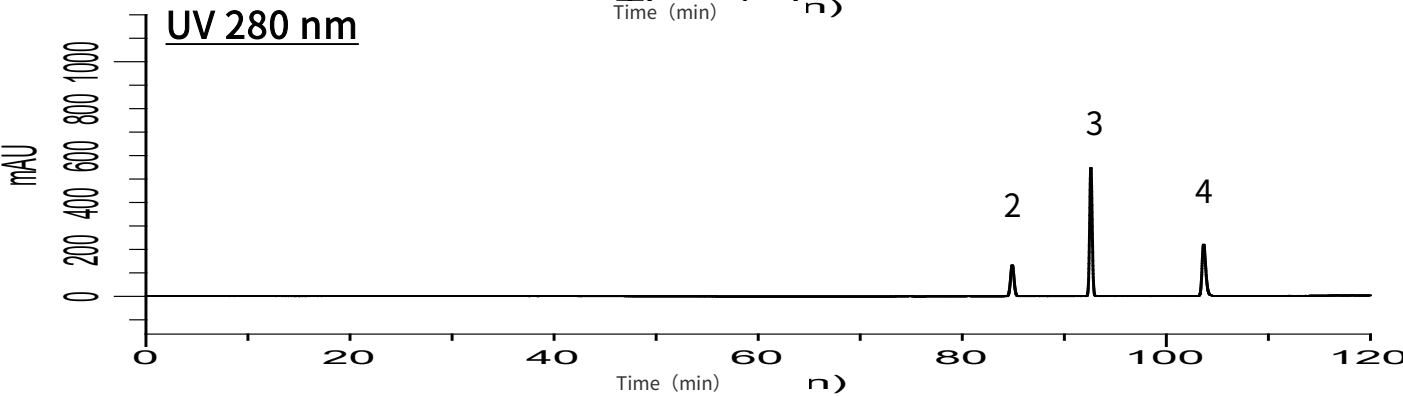
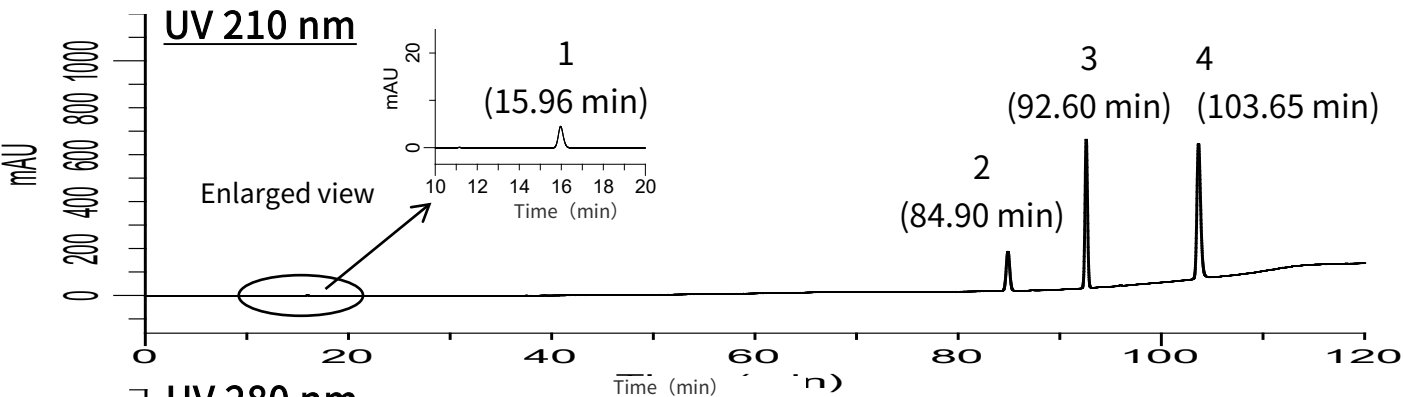
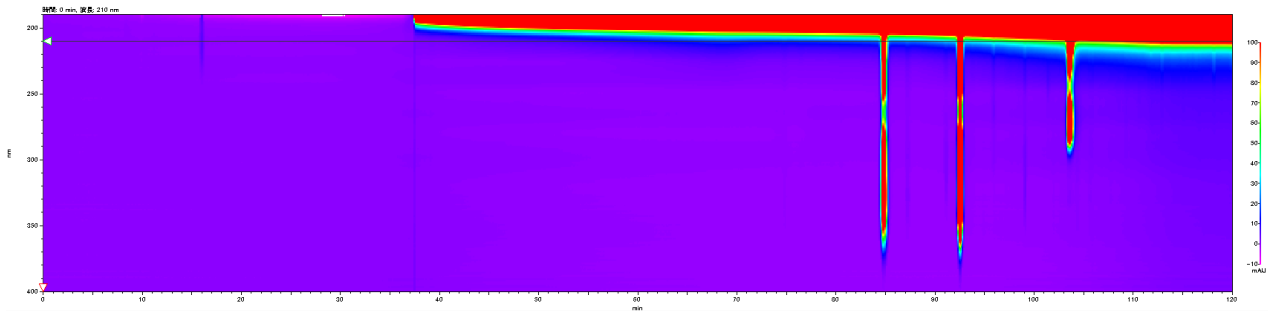
InertSearch™ for LC

Inertsil® Applications

Analysis of components of coffee

Data No. LB320-0659

Absorbance: -10 ~ 100 mAU



Conditions

System : GL7700 HPLC system
Column : Inertsil C30 S-Select
(5 μ m, 250 x 4.6 mm I.D.)
(2 columns were connected in series)
Column Cat. No. : 5020-17037
Eluent : A) 0.1 % H_3PO_4 in CH_3OH
B) 0.1 % H_3PO_4 in H_2O
Flow Rate : 0.5 mL/min
Col. Temp. : 15 $^\circ\text{C}$
Detection : UV 210, 280 nm (PD7752 PDA Detector)
Injection Vol. : 5 μL
Sample : Standard

Analyte:

1. Quinic acid 0.23 mg/mL
2. Chlorogenic acid 0.25 mg/mL
3. Caffeic acid 0.17 mg/mL
4. Caffeine 0.25 mg/mL

Time (min)	A (vol%)	B (vol%)
0.0	0	100
15.0	0	100
75.0	50	50
100.0	100	0
120.0	100	0
121.1	0	100
180.0	0	100