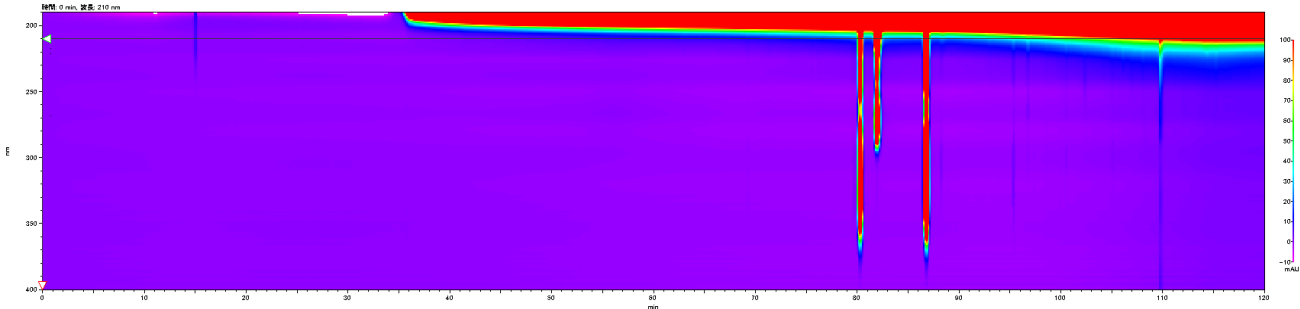
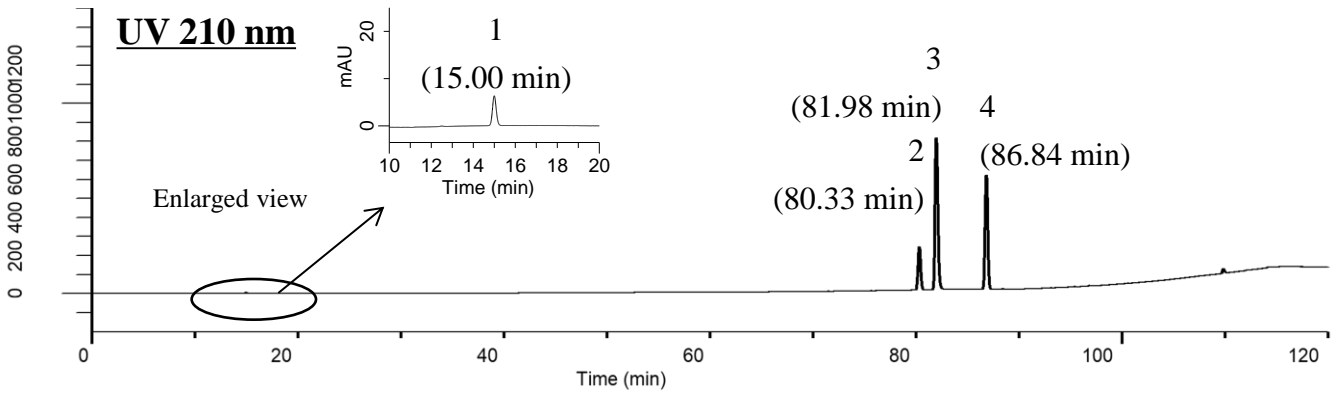


# Analysis of components of coffee

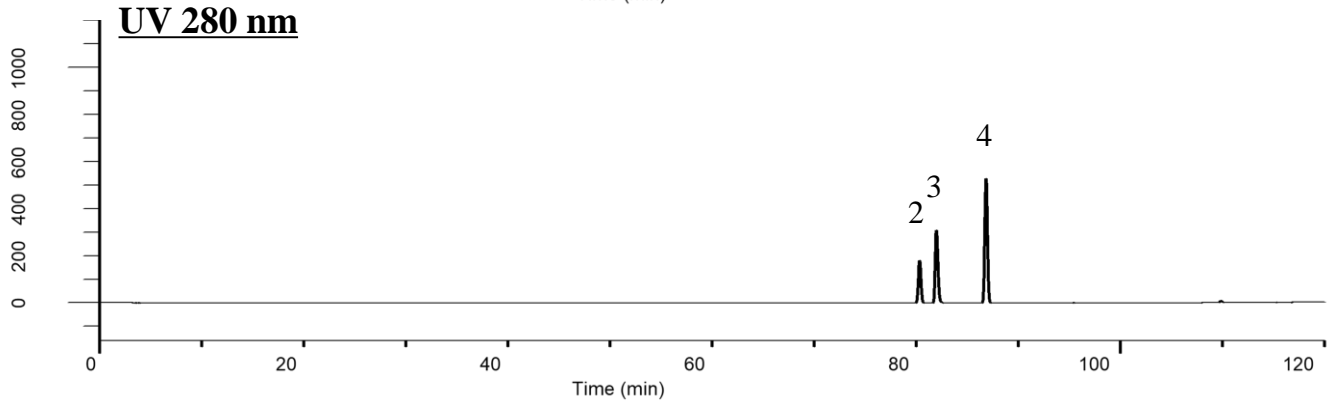
Absorbance: -10 ~ 100 mAU



## UV 210 nm



## UV 280 nm



### Conditions

- System** : GL7700 HPLC system
- Column** : Inertsil ODS-4  
(5 μm, 250 x 4.6 mm I.D.)  
(2 columns were connected in series)
- Column Cat. No.** : 5020-03946
- Eluent** : A) 0.1 % H<sub>3</sub>PO<sub>4</sub> in CH<sub>3</sub>OH  
B) 0.1 % H<sub>3</sub>PO<sub>4</sub> in H<sub>2</sub>O
- Flow Rate** : 0.5 mL/min
- Col. Temp.** : 15 °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. Caffeine 0.25 mg/mL
- 4. Caffeic acid 0.17 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