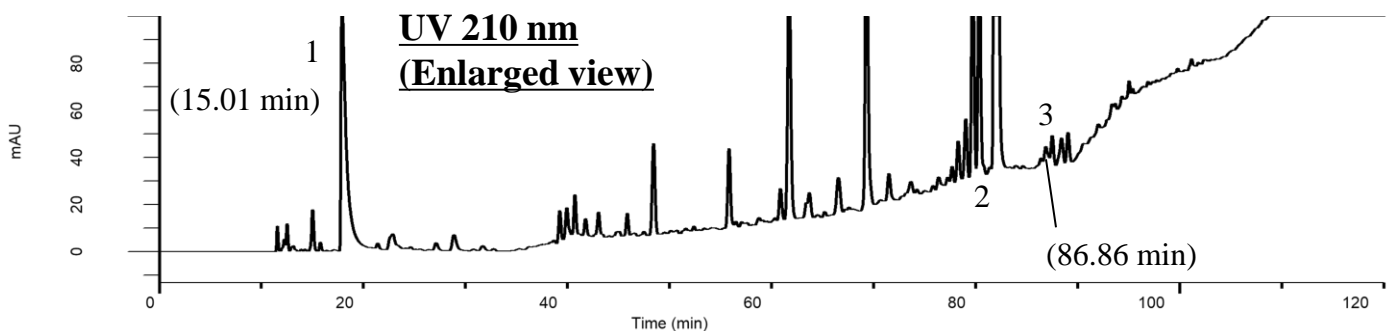
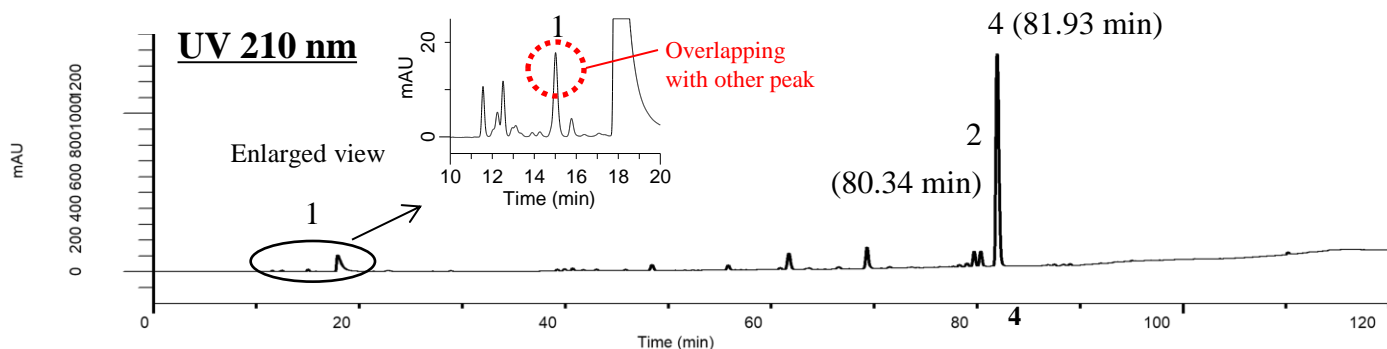
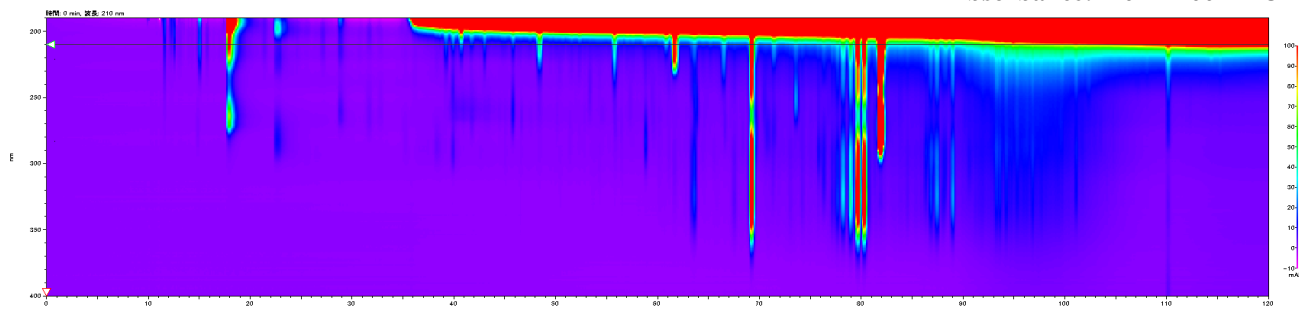


# Analysis of components of coffee in canned coffee

Absorbance: -10 ~ 100 mAU



**Conditions**

**System** : GL7700 HPLC system  
**Column** : Inertsil ODS-4  
 (5  $\mu$  m, 250 x 4.6 mm I.D.)  
 (2 columns were connected in series)

**Column Cat. No.** : 5020-03946

**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  $^{\circ}C$

**Detection** : UV 210 nm (PD7752 PDA Detector)

**Injection Vol.** : 5  $\mu$  L

**Sample** : Commercial hot canned black coffee filtered by  
 GL Chromato Disk Sample Filter 25A  
 Pore Size 0.45  $\mu$  m (Cat. No. 5040-28512)

**Analyte:**

1. Quinic acid
2. Chlorogenic acid
3. Caffeine
4. Caffeic acid

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