

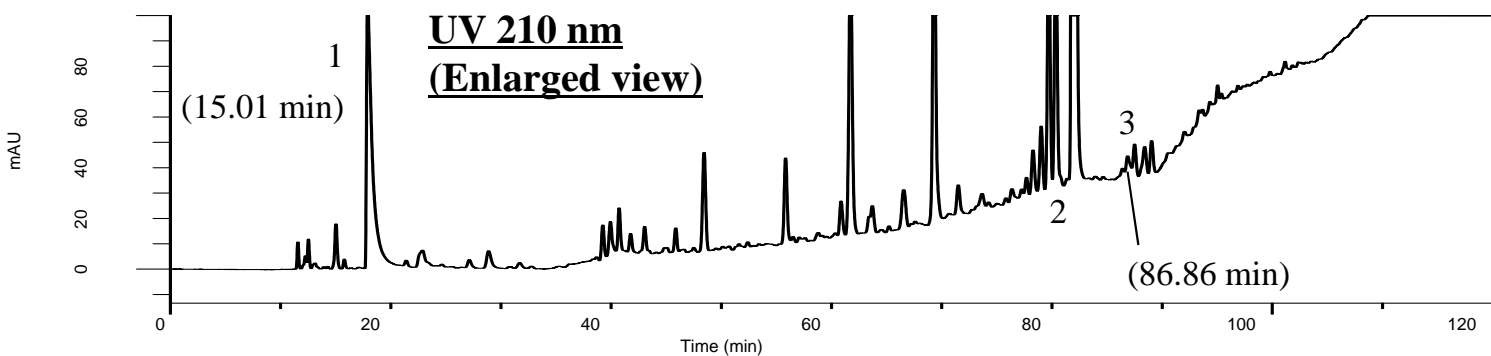
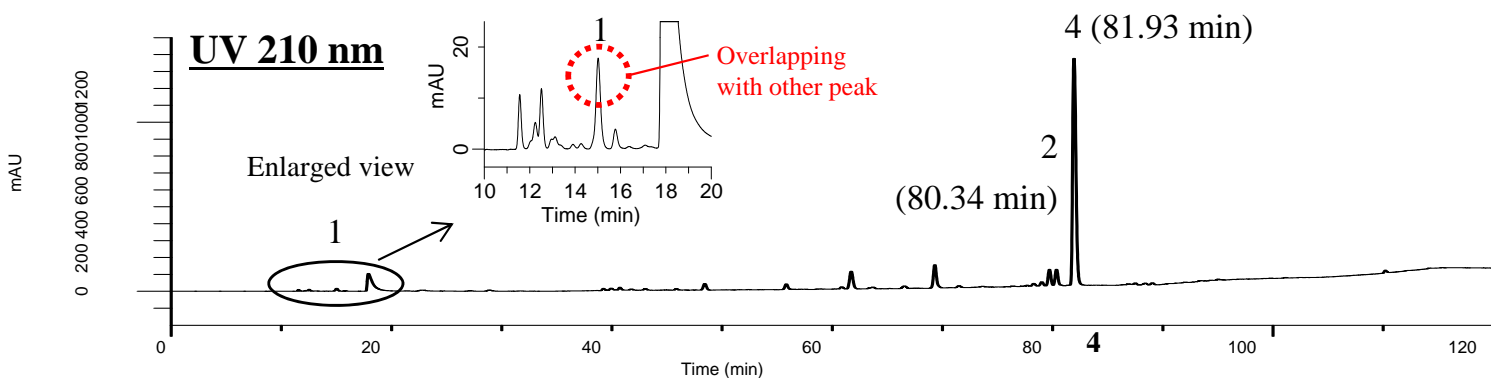
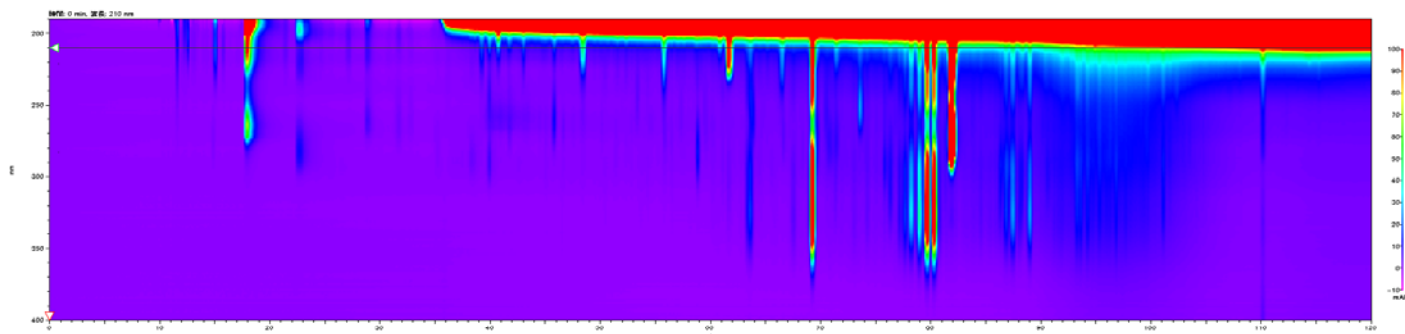
InertSearch™ for LC

Inertsil® Applications

Analysis of components of coffee in canned coffee

Data No. LB323-0659

Absorbance: -10 ~ 100 mAU



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 % H₃PO₄ in CH₃OH
B) 0.1 % H₃PO₄ in H₂O

Flow Rate : 0.5 mL/min

Col. Temp. : 15 °C

Detection : UV 210 nm (PD7752 PDA Detector)

Injection Vol. : 5 μL

Sample : Commercial hot canned black coffee filtered by
GL Chromato Disk Sample Filter 25A
Pore Size 0.45 μm (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