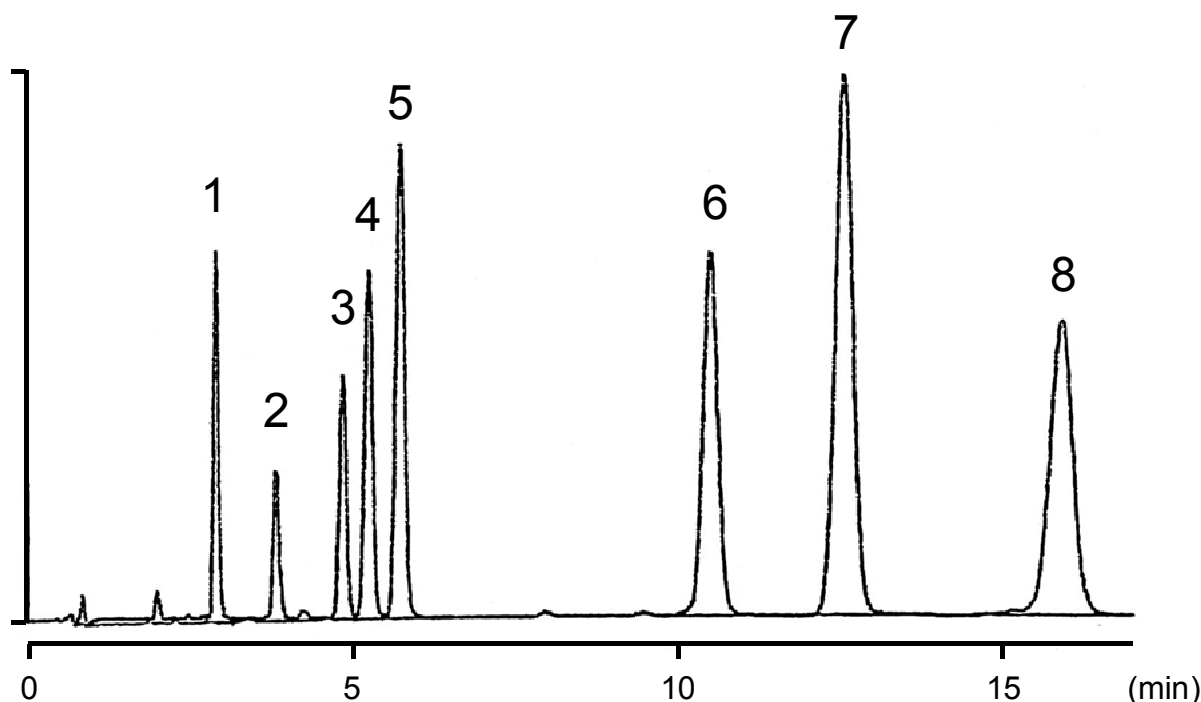


逆相HPLCを用いて、芳香族カルボン酸(安息香酸、サリチル酸、*o*-トルイル酸、*p*-トルイル酸、けい皮酸、1-ナフトエ酸、2-ナフトエ酸、2-ヒドロキシ-3-ナフトエ酸)の一斉分析を行った例を示します。

Aromatic carboxylic acids (benzoic acids, salicylic acid, *o*-toluic acid, *p*-toluic acid, cinnamic acid, 1-naphthoic acid, 2-naphthoic acid and 2-hydroxy-3-naphthoic acid) were separated simultaneously using a reversed-phase HPLC system.



1. benzoic acid (M.W. 122)
2. salicylic acid (M.W. 138)
3. *o*-toluic acid (M.W. 136)
4. *p*-toluic acid (M.W. 136)
5. cinnamic acid (M.W. 148)
6. 1-naphthoic acid (M.W. 172)
7. 2-naphthoic acid (M.W. 172)
8. 2-hydroxy-3-naphthoic acid (M.W. 188)

【HPLC conditions】

- Column : CAPCELL PAK C18 MGII S5 (3.0 mm i.d. x 150 mm)  
Mobile phase : TFA/CH<sub>3</sub>CN/H<sub>2</sub>O (0.08/25/75, v/v)  
Flow rate : 1 mL/min  
Temperature : 45°C  
Detection : Abs 270 nm  
Inj. vol. : 20 μL