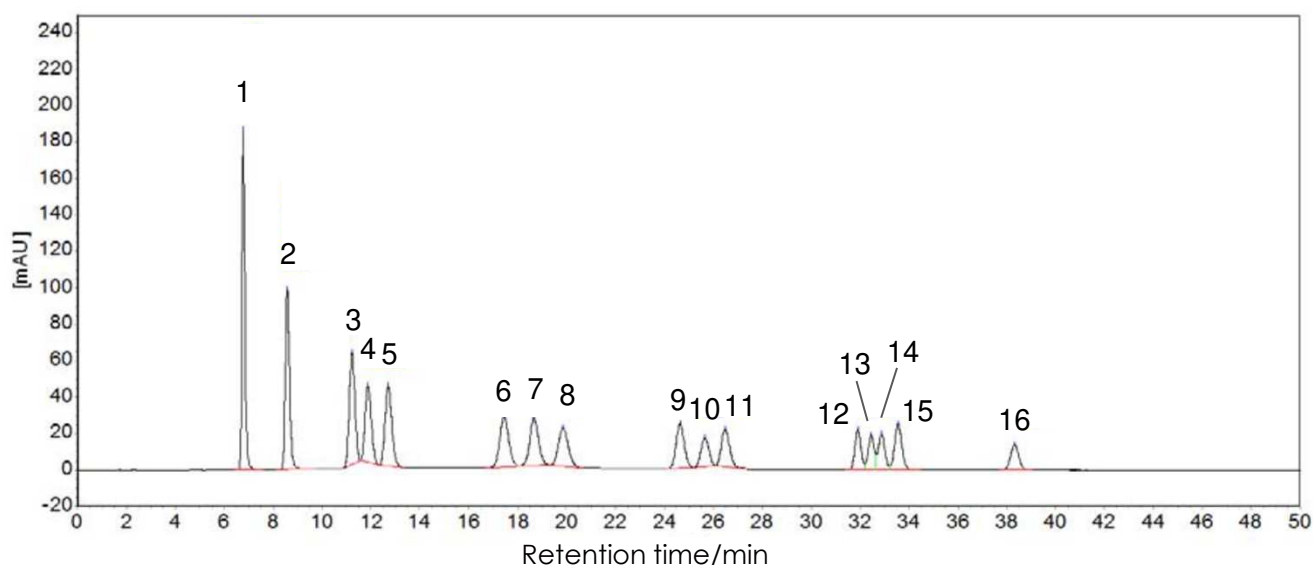


## 2,4-ジニトロフェニルヒドラジン (DNPH) で誘導体化 アルデヒド類の分離(1)

Sunrise C18-SAC 5  $\mu$ m, 250 x 4.6 mm i.d.

### DNPH derivatized aldehyde (1)



- 1 = Formaldehyde-DNPH, 2 = Aldehyde-DNPH, 3 = Acrolein-DNPH,  
4 = Acetone-DNPH, 5 = Propionaldehyde-DNPH, 6 = Crocrolein-DNPH,  
7 = n-Butyraldehyde-DNPH, 8 = 2-Butanone-DNPH, 9 = Benzaldehyde-DNPH,  
10 = Isovaleraldehyde-DNPH, 11 = n-Valeraldehyde-DNPH,  
12 = o-Tolualdehyde-DNPH, 13 = m-Tolualdehyde-DNPH, 14 = p-Tolualdehyde-DNPH,  
15 = n-Hexaldehyde-DNPH, 16 = 2,5-Dimethylbenzaldehyde-DNPH

Column: Sunrise C18-SAC 5  $\mu$ m, 250 x 4.6 mm i.d.

Mobile phase:

Time (min)	Methanol (%)	Acetonitrile (%)	Water (%)
0 - 6	0 - 70	60 - 0	40 - 30
6 - 14	70	0	30
14 - 19	70 - 50	0 - 20	30
19 - 24	50 - 0	20 - 65	30 - 35
24 - 40	0	65 - 60	35 - 40

Flow rate: 1.0 mL / min

Temperature: 35 °C

Detection: UV@360 nm

Courtesy of Wuhan Puli Technology Co., Ltd.