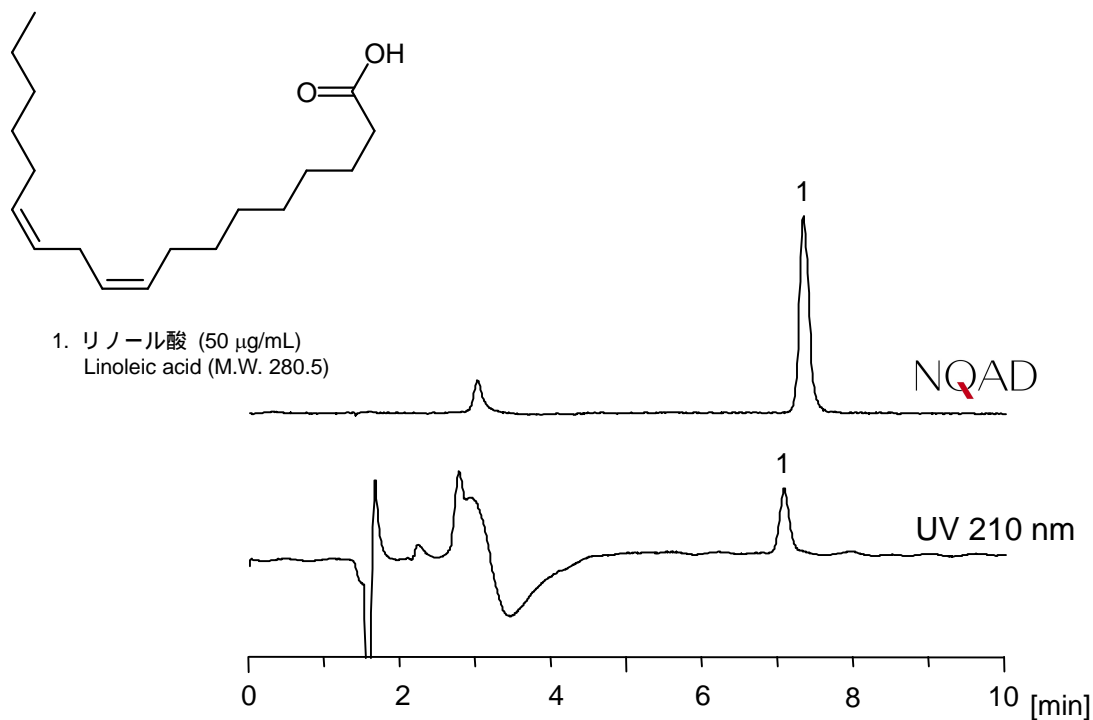


リノール酸

Linoleic acid

リノール酸は、多くの植物油に含まれる脂肪酸です。二種類の検出器、UV 検出器及びNQADをその順に直列に連結し、感度を比較しました。カラムはCAPCELL PAK C₁₈ MGII S5 (2.0 mm i.d. x 150 mm) を用いました。UV 検出器に比べ、NQAD ではより高感度に検出されました。

Linoleic acid, one of the fatty acids often found in vegetable oil, was detected with a UV detector and a Nano Quantity Analyte Detector (NQAD) connected in series. The column used here was CAPCELL PAK C₁₈ MGII S5 (2.0 mm i.d. x 150 mm). NQAD showed a higher sensitivity than that of the UV detector.



【HPLC Conditions】

Column : CAPCELL PAK C₁₈ MGII S5 ; 2.0 mm i.d. x 150 mm
Mobile phase : TFA (0.1 vol%) was added to H₂O / CH₃CN = 15 / 85
Flow rate : 200 µL/min
Temperature : 35 °C
Detection : NQAD (Evaporation 35 , Nebulization 30 , Filter 2.5 sec)
UV 210 nm
Inj. vol. : 1 µL
Sample dissolved in : CH₃CN
1 µg/mL = 1 ppm