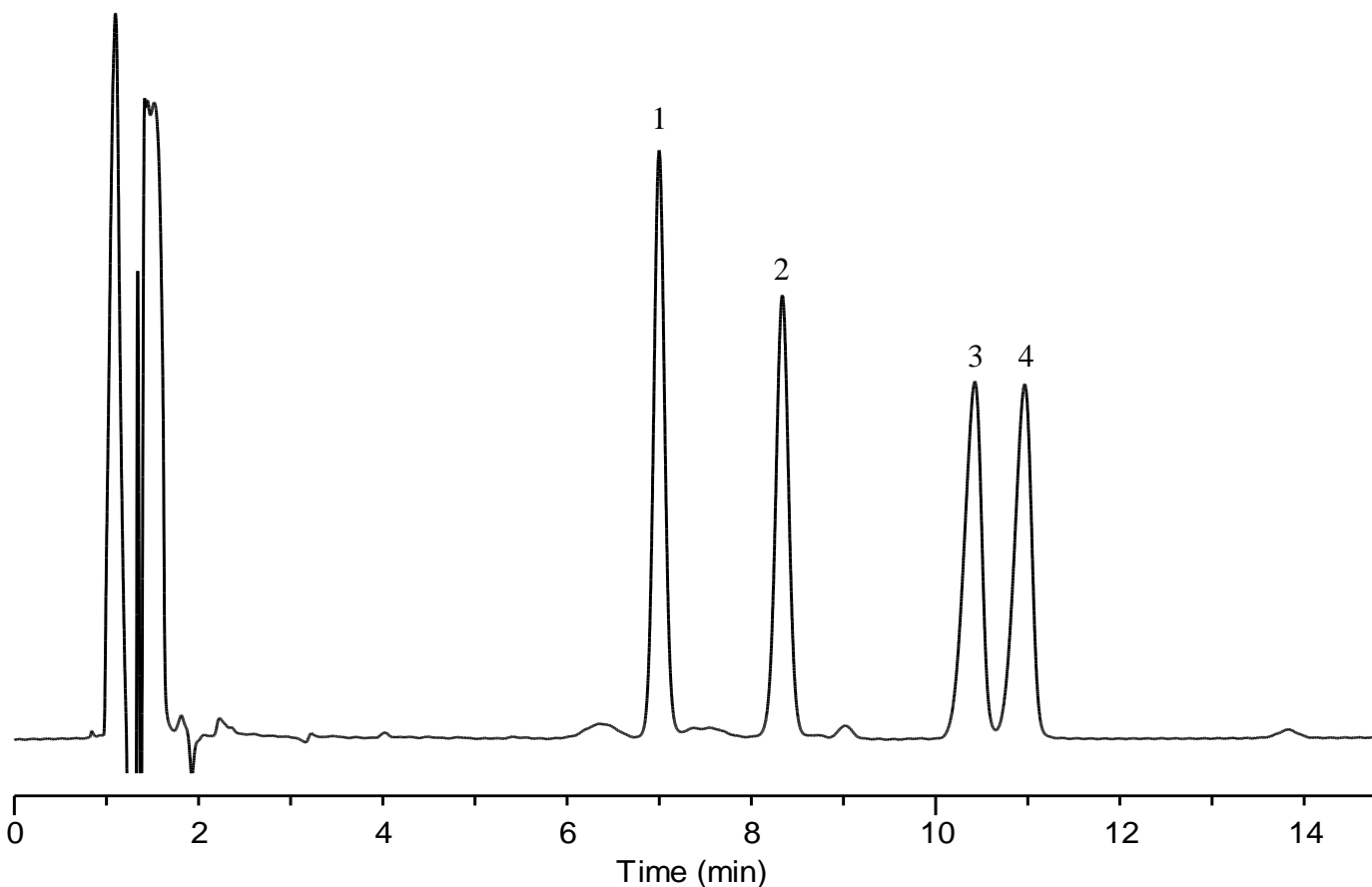


Analysis of Unsaturated fatty acids



Conditions

System : GL7700 HPLC system
Column : InertSustain PFP HP (3 μ m, 150 x 2.1 mm I.D.)
Column Cat. No. : 5020-87921
Eluent : CH₃CN/H₂O/HCOOH = 50/50/0.1, v/v/v
Flow rate : 0.2 mL/min
Col. Temp. : 40 °C
Detection : UV 210 nm (UV7750 with semi-micro flow cell)
Injection Vol. : 1 μ L
Sample : Standard

Analyte:

1. α -Linolenic acid
 (18:3(n-3), *all-cis*-9,12,15-Octadecatrienoic acid)
 100 mg/L
 2. Linoleic acid
 (18:2(n-6), *cis,cis*-9,12-Octadecadienoic acid)
 100 mg/L
 3. Oleic acid
 (18:1(n-9), *cis*-9-Octadecenoic acid)
 1000 mg/L
 4. Elaidic acid
 (18:1(n-9), *trans*-9-Octadecenoic acid)
 1000 mg/L