Typical HPLC chromatograms of apo-lycopenoids investigated

Apo-10′-lycopenoids

ethyl apo-10′-lycopenoate, 10′-COOEt
Chromatogram at 442 nm

apo-10′-lycopenol, 10′-CH₂OH
Chromatogram at 418 nm

apo-10′-lycopenoic acid, 10′-COOH
Chromatogram at 430 nm
apo-10'-lycopenal, **10'-CHO**
Chromatogram at 360 nm

Apo-14'-lycopenoids

ethyl apo-14'-lycopenoate, **14'-COOMe**
Chromatogram at 405 nm

apo-14'-lycopenol, **14'-CH$_2$OH**
Chromatogram between 340 and 390 nm
apo-14′-lycopenoic acid, **14′-COOH**
Chromatogram TIC (Total Ion Current between 190 and 600 nm)

apo-14′-lycopenal, **14′-CHO**
Chromatogram between 300 and 600 nm
Apo-11-lycopenoids

ethyl apo-1-lycenoate, 11-COOEt
Chromatogram TIC (Total Ion Current between 190 and 600 nm)

9.76 min: (Z) isomer; 10.40 min: (E) isomer, (E/Z) ratio of 3.5

apo-11-lycopenol, 11-CH₂OH
Chromatogram TIC (Total Ion Current between 190 and 600 nm)

Shoulder: (Z) isomer (3%); 7.79 min: (E) isomer (97%).
apo-11-lycopenal, **11-CHO**
Chromatogram at 345 nm

7.89 min: (Z) isomer (4%); 8.15 min: (E) isomer (96%).

apo-11-lycenoic acid, **11-COOH**
Chromatogram at 300 nm