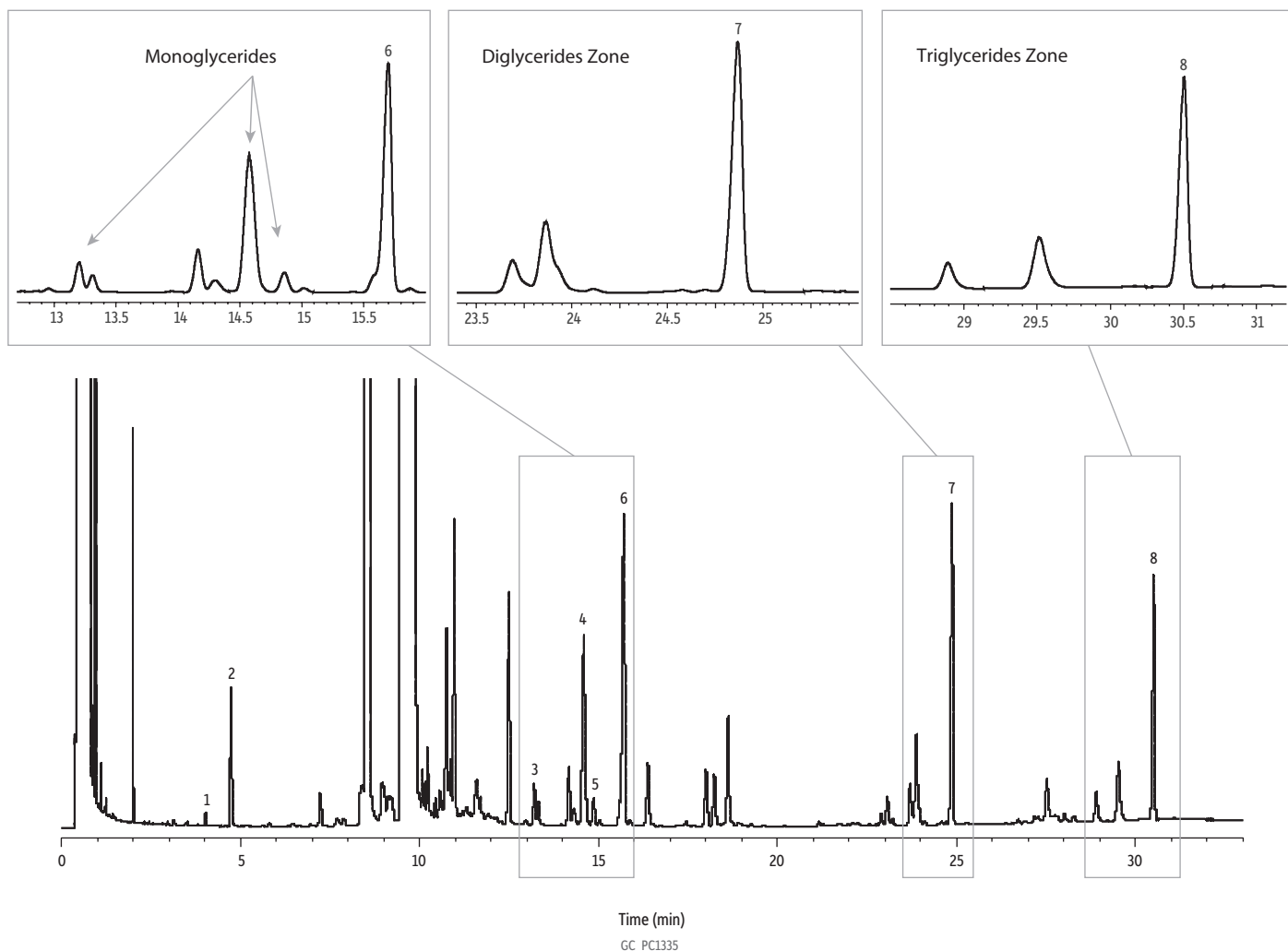


# Analysis of Glycerol, Mono-, Di-, and Triglycerides in Soy B100 by EN 14105 (2011)



## Peaks

1. Glycerol
2. (S)-(-)-1,2,4-Butanetriol
3. 1-Monopalmitin
4. Monoolein
5. Monostearin (I)
6. Mononadecanoin
7. 1,3-Dinadecanoin
8. Trinadecanoin

## Column

MXT-Biodiesel TG with 2 m x 0.53 mm ID retention gap, 15 m, 0.32 mm ID, 0.10 µm (cat.# 70291)

## Sample

Soy biodiesel B100  
 EN 14105 custom standard 1 (cat.# 572879)  
 (s)-(-)-1,2,4-Butanetriol (cat.# 33032)  
 MSTFA (N-methyl-N-trimethylsilyltrifluoroacetamide) (cat.# 35600)  
 Heptane

## Diluent:

## Injection

Inj. Vol.: 1 µL cool on-column  
 Temp. Program: Oven track

## Oven

Oven Temp.: 50 °C (hold 1 min) to 180 °C at 15 °C/min to 230 °C at 7 °C/min to 370 °C at 10 °C/min (hold 5 min)

## Carrier Gas

Hz, constant flow

## Flow Rate:

7 mL/min

## Detector

FID @ 380 °C

## Instrument

Agilent 7890A GC

## Notes

The sample was derivatized with MSTFA according to the method EN 14105 (2011) procedure.