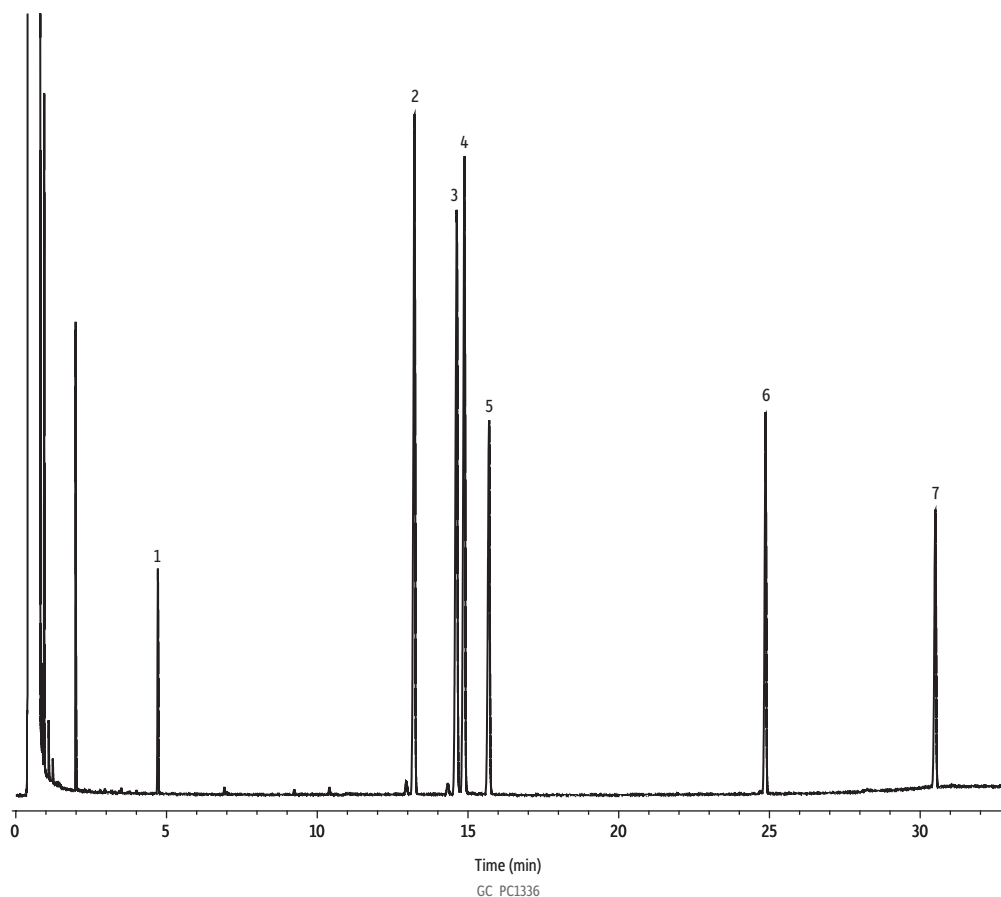


## Monoglycerides and Internal Standard Identification in EN 14105 (2011)



### Peaks

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

**Column** MXT-Biodiesel TG with 2 m x 0.53 mm ID retention gap, 15 m, 0.32 mm ID, 0.10  $\mu$ m (cat.# 70291)  
**Sample** EN 14105 custom standard 1 (cat.# 572879)  
(s)-(-)-1,2,4-Butanetriol (cat.# 33032)  
MSTFA (N-methyl-N-trimethylsilyltrifluoroacetamide) (cat.# 35600)  
EN 14105 custom standard 2 (cat.# 572881)

**Diluent:** Heptane

### Injection

**Inj. Vol.:** 1  $\mu$ L cool on-column

**Temp. Program:** Oven track

### Oven

**Oven Temp.:** 50  $^{\circ}$ C (hold 1 min) to 180  $^{\circ}$ C at 15  $^{\circ}$ C/min to 230  $^{\circ}$ C at 7  $^{\circ}$ C/min to 370  $^{\circ}$ C at 10  $^{\circ}$ C/min (hold 5 min)

**Carrier Gas** Hz, constant flow

**Flow Rate:** 7 mL/min

**Detector** FID @ 380  $^{\circ}$ C

**Instrument** Agilent 7890A GC

**Notes** Standards were derivatized with MSTFA according to the method EN 14105 (2011) procedure.