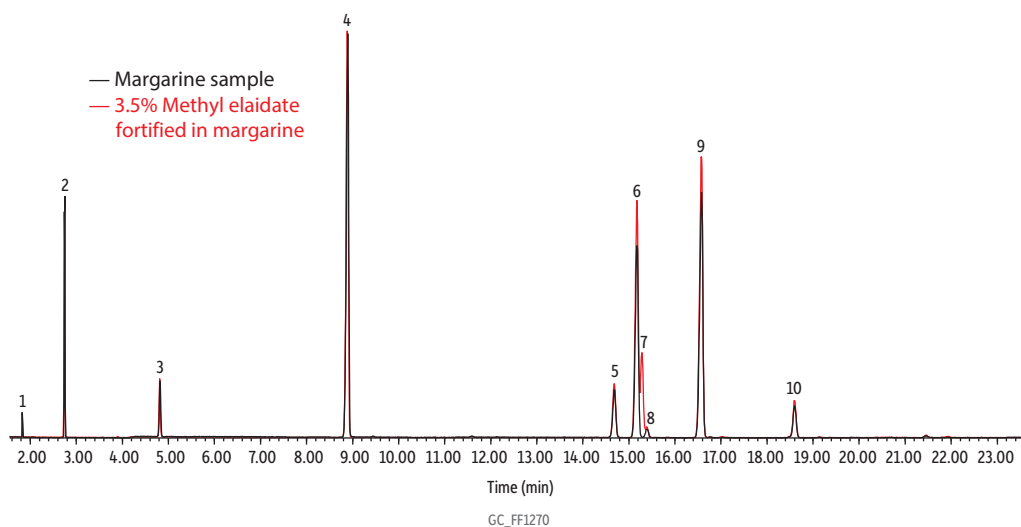


# Margarine on FAMEWAX



Peaks	tr (min)	Structural Nomenclature
1. Methyl decanoate	1.834	C10:0
2. Methyl laurate	2.751	C12:0
3. Methyl myristate	4.821	C14:0
4. Methyl palmitate	8.898	C16:0
5. Methyl stearate	14.687	C18:0
6. Methyl oleate	15.180	C18:1 <i>cis</i> -9
7. Methyl elaidate	15.285	C18:1 <i>trans</i> -9
8. Methyl vaccenate	15.384	C18:1 <i>cis</i> -11
9. Methyl linoleate	16.582	C18:2 <i>cis</i> -9,12
10. Methyl linolenate	18.603	C18:3 <i>cis</i> -9,12,15

**Column** FAMEWAX, 30 m, 0.25 mm ID, 0.25 µm (cat.# 12497)  
**Sample** Margarine stick  
**Injection**  
 Inj. Vol.: 1 µL split (split ratio 100:1)  
 Liner: Topaz 4 mm ID straight inlet liner w/wool (cat.# 23300)  
 Inj. Temp.: 250 °C  
**Oven**  
 Oven Temp.: 160 °C to 240 °C at 2 °C/min (hold 1 min)  
**Carrier Gas** He, constant flow  
 Flow Rate: 1.4 mL/min  
**Detector** MS  
 Mode: Scan  
 Transfer Line  
 Temp.: 250 °C  
 Analyzer Type: Quadrupole  
 Source Type: Inert  
**Instrument** Agilent 7890A GC & 5975C MSD  
**Notes** The sample was prepared using sodium methoxide.