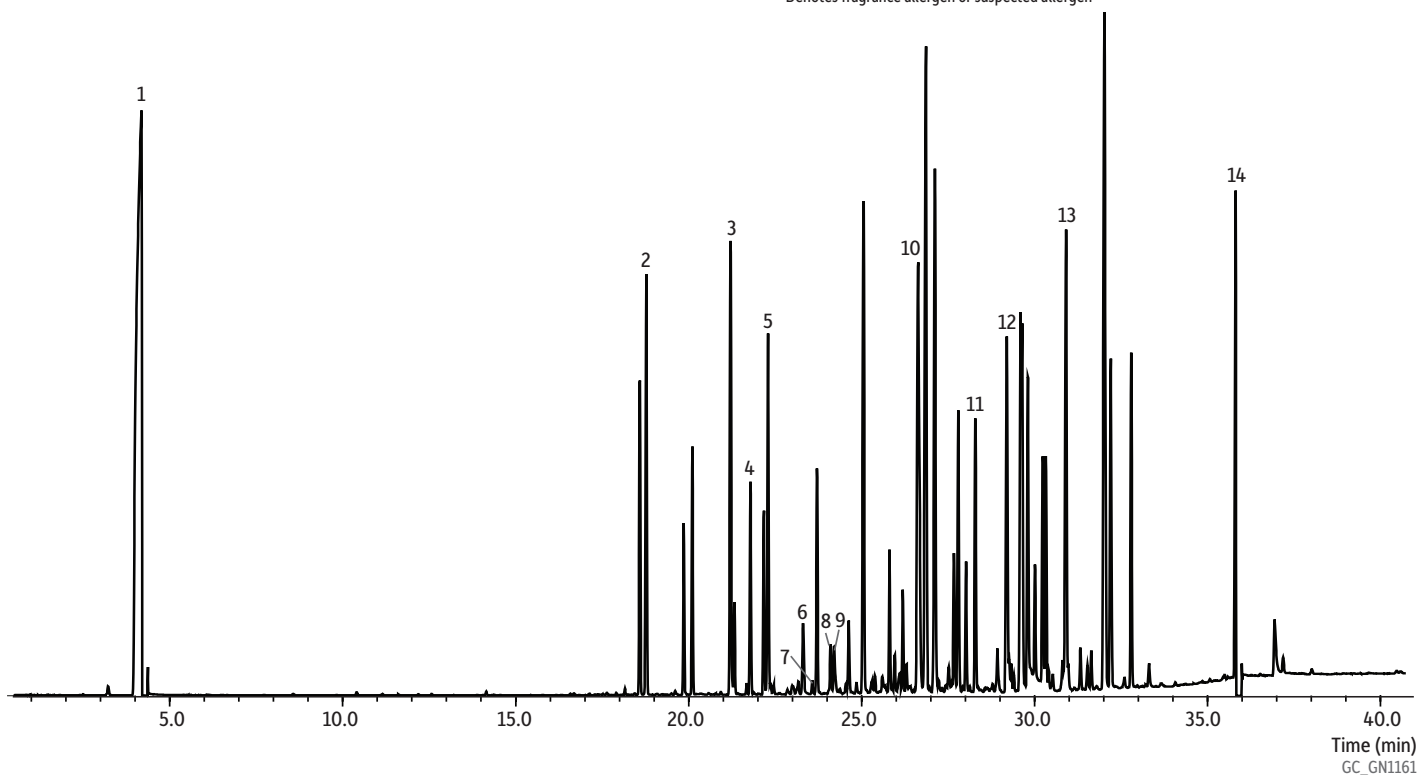


# Fragrance Allergens and Common Compounds in Commercial Perfume on Stabilwax-MS

Peaks	tr (min)
1. Ethanol	4.18
2. Linalool*	18.59
3. Terpineol	21.21
4. Benzyl acetate	21.78
5. Citronellol*	22.29
6. Dipropylene glycol isomer 1	23.31
7. Geraniol*	23.57
8. Dipropylene glycol isomer 2	24.10
9. Dipropylene glycol isomer 3	24.20
10. Lilial*	26.63
11. Isoeugenol*	28.29
12. Piperonal	29.20
13. Diethyl phthalate	30.91
14. Benzyl salicylate*	35.81

\* Denotes fragrance allergen or suspected allergen



**Column** Stabilwax-MS, 30 m, 0.25 mm ID, 0.25 µm (cat.# 10673)  
**Sample** Commercial perfume A  
**Conc.:** Neat  
**Injection**  
 Inj. Vol.: 1 µL split (split ratio 200:1)  
 Liner: Premium 3.5 mm ID single taper w/wool (cat.# 23322)  
 Inj. Temp.: 250 °C  
**Oven**  
 Oven Temp: 35 °C (hold 5 min) to 250 °C at 7 °C/min (hold 5 min)  
**Carrier Gas** He, constant linear velocity  
 Linear Velocity: 36 cm/sec  
**Detector** MS  
 Mode: Scan  
 Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	0	40-550	2

Transfer Line Temp.: 260 °C  
 Analyzer Type: Quadrupole  
 Source Temp.: 250 °C  
 Electron Energy: 70 eV  
 Solvent Delay Time: 0.5 min  
 Ionization Mode: EI  
**Instrument** Shimadzu 2010 GC & QP2010+ MS