

Drugs of abuse

Application Note

Forensic Toxicology

Authors

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Introduction

GC separation of four drugs of abuse on an Agilent VF-5ms column in 5 minutes.



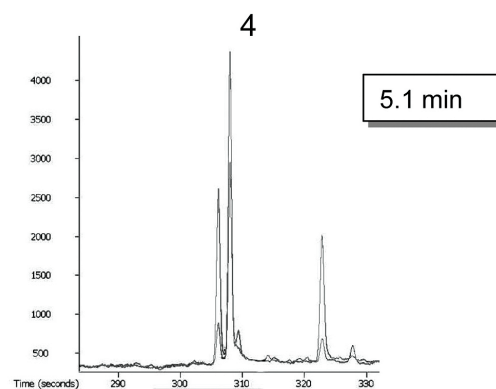
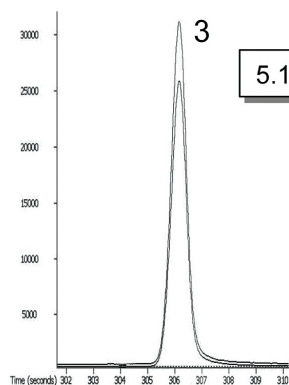
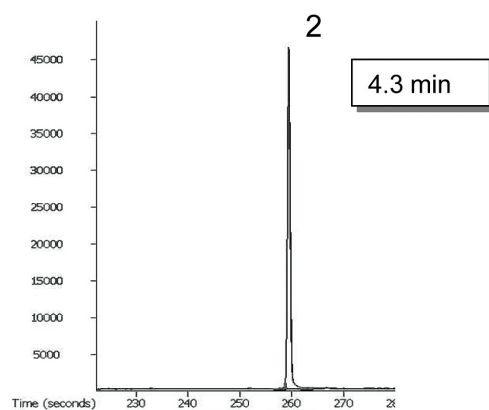
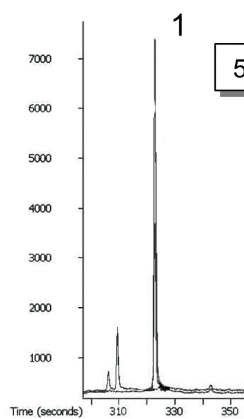
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Conditions

Technique : GC
Column : Agilent VF-5ms, 0.1 mm x 10 m fused silica
(df = 0.4 μ m) (Part no. CP8934)
Temperature : 140 °C, 0.5 min \rightarrow 300 °C, 30 °C/min
Carrier Gas : Helium, constant flow.
Approx. 400 kPa, 0.7 mL/min
Injector : Splitless, 30 s, Temp: 280 °C
Detector : TOF
Interface Temp : 320 °C
Sample Size : 0.5 μ L
Concentration Range : 1 ng/ μ L

Peak identification

1. morphine
2. methaqualone
3. codeine
4. nordazepam



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