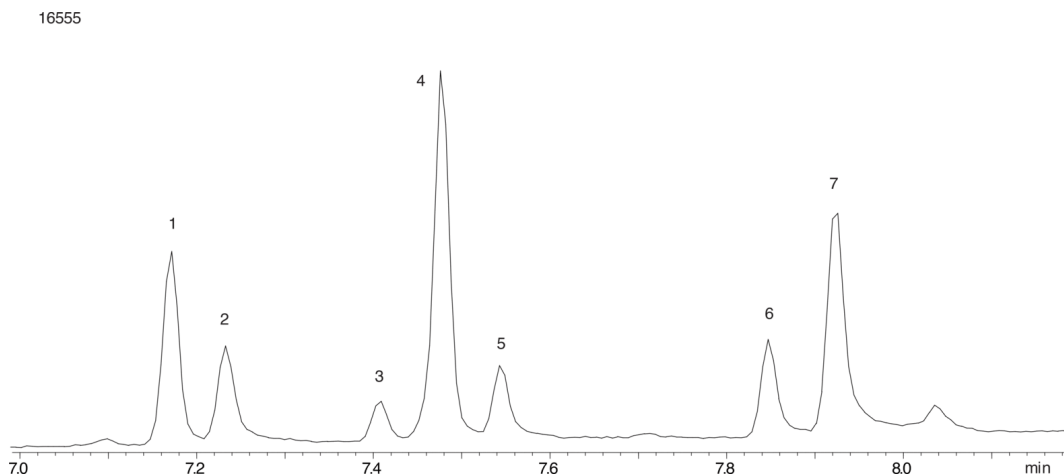


Opiates expanded run by MSD on a ZB-5MSi**Column:** Zebron[™] ZB-5MSi, GC Cap. Column 30 m x 0.25 mm x 0.25 μ m, Ea**Phase:** 5% Phenyl 95% Dimethylpolysiloxane**Dimensions:** 30 meters x 0.25 mm x 0.25 μ m**Order No:** 7HG-G018-11**Oven Profile:** 170 °C for 0.5 min to 320 °C @ 18 °C/min.**Carrier Gas:** Constant Flow Helium, 1.5 mL/min**Injection:** Splitless 20:1 1 μ L @ 250°C**Detection:** Mass Selective (MSD) (320°C)**Analyst Note:** Analytes are 1ppm in methanol

Sim ions:

(Quant ion*) Codeine (*299,229,162): Norcodeine (*285,215,148): Morphine (*285,215,162): Hydrocodone (*299,242,185): Hydromorphone (*285,229,96): Oxycodone (*315,230,215): Oxymorphone (*301,216,140)

**Products used in this application:****ANALYTES:**

- 1 Codeine
- 2 Norcodeine
- 3 Morphine
- 4 Hydrocodone
- 5 Hydromorphone
- 6 Oxycodone
- 7 Oxymorphone

