Cotinine in Fetal Plasma by LC-MS/MS

ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #**AN4630**

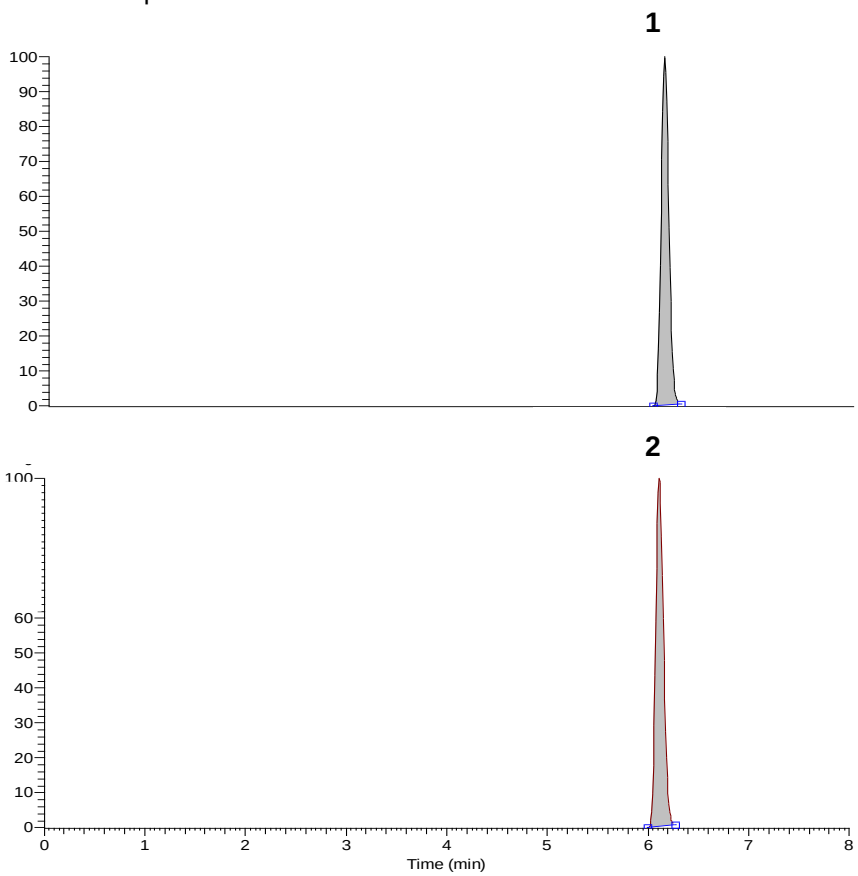
Conditions

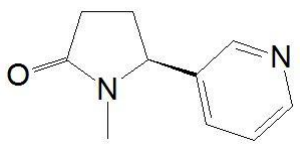
Column:	ACE 3 C18-AR
Dimensions:	150 x 2.1 mm
Part Number:	ACE-119-1502
Mobile Phase:	A: 0.1% ammonium acetate B: MeOH

Time (mins)	%B
0.0	10
3.0	100
4.0	100
4.1	10
8.0	10

Flow Rate:	0.2 mL/min
Injection:	5 µL
Temperature:	50 °C
Detection:	Thermo TSQ Quantum MS MRM ESI in positive ion mode
Sample:	Fetal plasma extract

Cotinine is an alkaloid found in tobacco and is the predominant metabolite of nicotine. It is used as a biomarker for exposure to tobacco smoke.





1. Cotinine
(*m/z* 177.0 → 80.0-80.2)

2. d3-Cotinine (I.S)
(*m/z* 180.0 → 80.0-80.2)

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