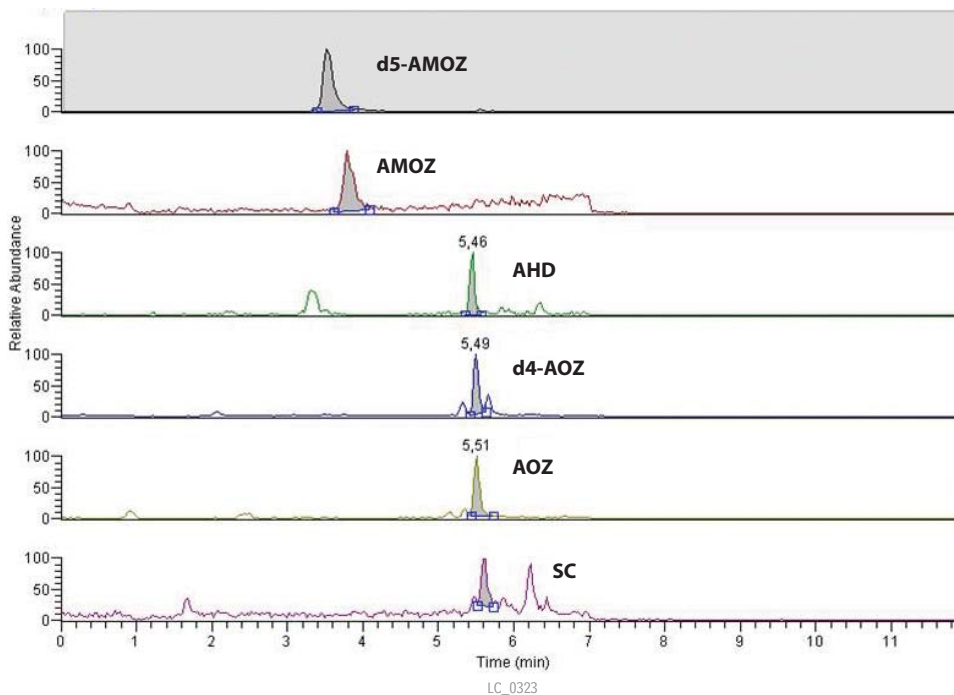


Nitrofuran Metabolites on Ultra C18 (LC/MS/MS)



Peak List:	Conc. (ppb)	Time (min)
1. d5-AMZO	0.3	3.7
2. AMOZ	0.3	3.8
3. AHD	0.3	5.46
4. d4-AOZ	0.3	5.49
5. AOZ	0.3	5.51
6. SC	0.3	5.6

Column: Ultra C18
 Cat. #: 9174312
 Dimensions: 100mm x 2.1mm
 Particle size: 3µm
 Pore size: 100Å

Conditions:
 Mobile phase: A: 0.05% formic acid in methanol
 B: 0.05% formic acid – 5 mM NH₄ formate in water

Time (min)	%B
0	90
2.5	90
5	10
10	10
12	90
15	90

Flow: 200µL/min.
 Temp.: 30°C
 Det.: MS/MS triple quadrupoles (Thermo Scientific Discovery)

Analyzer Parameters:

Ion source: ESI (electrospray ionization)
 Only segment: 15 min.
 Polarity: positive
 Data type: centroid
 Scan mode: SRM product
 Scan width (m/z): 0.7
 Scan time (s): 0.25
 Peak width: Q1: within 0.7
 Q2: 0.7
 Collision gas pressure (mTorr): 1.5 (argon)
 Divert valve: active, with 3 positions
 Positions-1° 2 min., 2° 8 min., 3° 5 min.

Analyte	Prec. Ion	Prod. Ion	Collision E	Tube Lens
AOZ	236	134	12 V	120
AMOZ	335	291	10 V	100
SC	209	166	12 V	80
AHD	249	134	12 V	110

AMOZ = 3-amino-5-morpholinomethyl-2-oxazolidinone
 AHD = 1-aminohydantoin hydrochloride
 AOZ = 3-amino-2-oxazolidinone
 SC = semicarbazide



for **more** info

Visit www.restek.com/cat004 to view our "Analysis of Nitrofurans in Honey Using LC/MS/MS and an Ultra C18 Column" article.