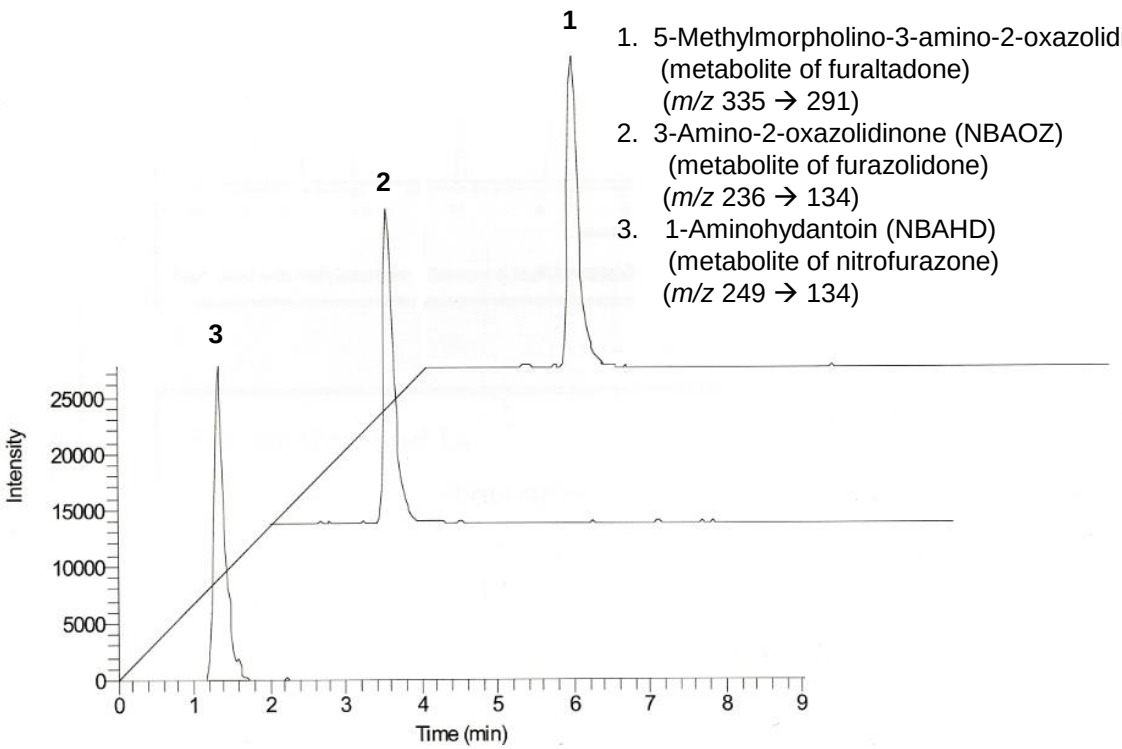
Nitrofuran Metabolites by LC-MS/MS

ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #AN3050

Conditions

Column:	ACE 3 C18
Dimensions:	50 x 2.1 mm
Part Number:	ACE-111-0502
Mobile Phase:	MeOH/0.5 mM ammonium acetate in H_2O (50:50 v/v)
Flow Rate:	0.2 mL/min
Injection:	20 µL
Temperature:	Ambient
Detection:	ESI MS/MS (+ve mode)
Sample:	Metabolites derivatised with 2-nitrobenzaldehyde to form nitrophenyl derivatives, prior to LC-MS analysis



1. 5-Methylmorpholino-3-amino-2-oxazolidinone (NBAMOZ) (metabolite of furaltadone) (*m/z* 335 → 291)
2. 3-Amino-2-oxazolidinone (NBAOZ) (metabolite of furazolidone) (*m/z* 236 → 134)
3. 1-Aminohydantoin (NBAHD) (metabolite of nitrofurazone) (*m/z* 249 → 134)

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