

HPLC Application

ID No.: 22781

Neonicotinoids by LC/MS/MS on a Kinetex Biphenyl

Column: Kinetex® 2.6 µm Biphenyl 100 Å, LC Column 50 x 2.1 mm, Ea

Dimensions: 50 x 2.1 mm ID

Order No: 00B-4622-AN

Elution Type: Gradient

Eluent A: 0.1% Formic acid in water

Eluent B: 0.1% Formic acid in Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	3	30	70
	3	3.1	95	5
	4	6	95	5

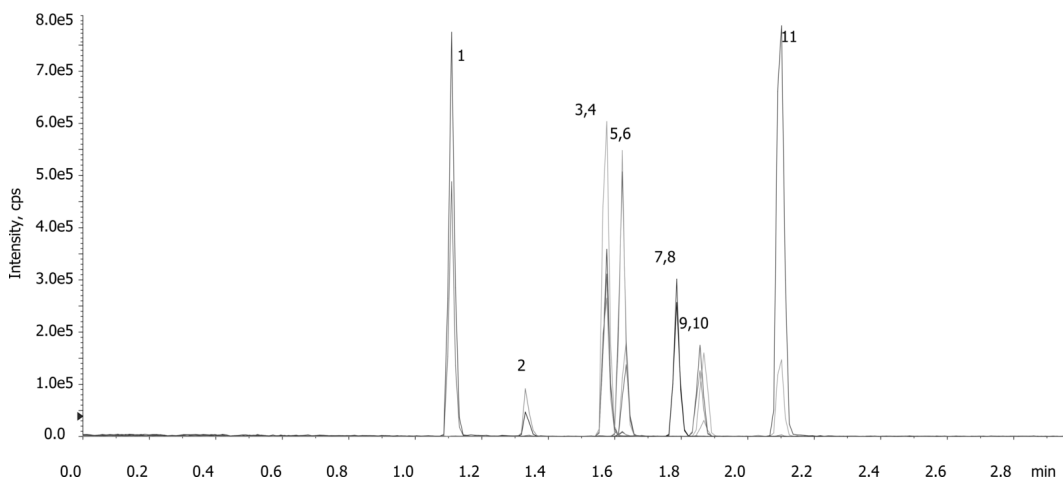
Flow Rate: 0.5 mL/min

Col. Temp.: ambient

Detection: Tandem Mass Spec (MS-MS) @ (ambient)

Detector Info: <a target="_blank"

href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX<



Products used in this application:



Neonicotinoids by LC/MS/MS on a Kinetex Biphenyl

ANALYTES:

- 1 Dinotefuran 202.9>129.1/113
- 2 Nitenpyram 270.9>125.9/236.9
- 3 D3-Thiamethoxam 294.8>214/131.8
- 4 Thiamethoxam 291.8>132/181
- 5 D3-Clothianidin 252.9>172.1/131.8
- 6 Clothianidin 249.8>169/131.9
- 7 D4-Imidacloprid 259.9>212.8/179.2
- 8 Imidacloprid 256.2>209/175.2
- 9 D3-Acetamiprid 225.9>98.9/59.0
- 10 Acetamiprid 224.9>127.9/90.1
- 11 Thiachloprid 252.7>125.9/90

