

Fmoc derivatized glyphosate on a Gemini 3 µm NX-C18

Column: Gemini® 3 µm NX-C18 110 Å, LC Column 50 x 2 mm, Ea

Dimensions: 50 x 2 mm ID

Order No: 00B-4453-B0

Elution Type: Gradient

Eluent A: 5 mM Ammonium bicarbonate pH 9

Eluent B: ACN/Methanol (50:50)

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	80	20
	2	4	10	90
	3	4.1	80	20
	4	7	80	20

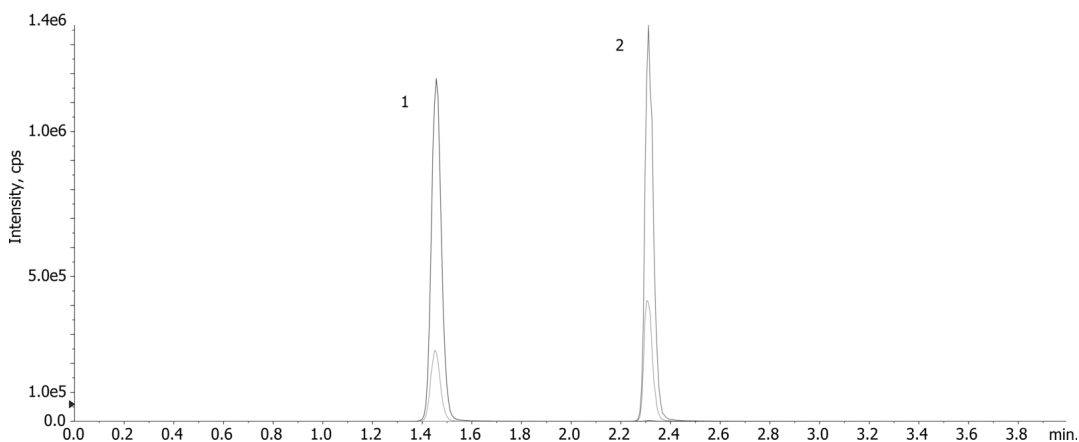
Flow Rate: 0.4 mL/min

Col. Temp.: ambient

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

Detector Info: API 5000

Analyst Note: Derivatization protocol: In a 2 mL vial, spike 50 µL of 10 µg/mL Glyphosate and AMPA standards into 1 mL of 0.4 M borate buffer. Add 200 µL of 2 mg/mL FMOC in acetone (make fresh daily) and vortex.



ANALYTES:

1 Glyphosate

Retention Time: 1.44 min

2 2-Aminoethylphosphonic acid (AMPA)

Retention Time: 2.32 min



Products used in this application:

