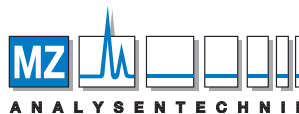
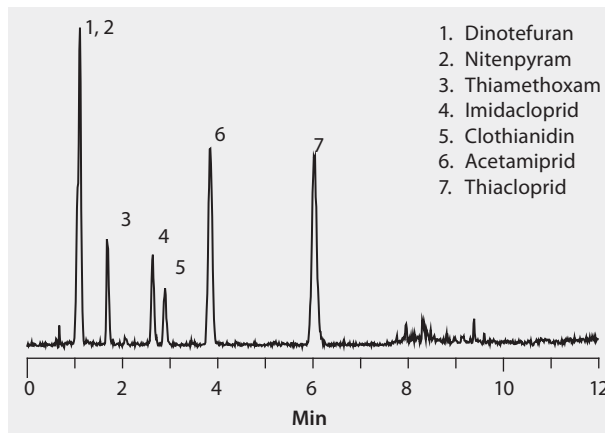


LC-MS/MS Analysis of Neonicotinoid Pesticides in Dandelion Blossoms on Ascentis® Express C18 after Dispersive SPE (QuEChERS) using Supel™ QuE

sample preparation Dispersive (QuEChERS)
 sample/matrix . . . 3 g pulverized dandelion blossoms, homogenized in 10 mL water
 extraction tube Supel QuE Acetate extraction tube (55234-U)
 extraction process . . . add 25 mL of acetonitrile; add contents of Supel QuE acetate
 extraction tube; shake immediately for 1 minute; centrifuge at 3400 rpm for 5 minutes
 clean-up tube Supel QuE PSA/C18 tube (55288-U)
 clean-up process Transfer 1 mL of the acetonitrile layer into a
 Supel QuE PSA/C18 cleanup tube; shake for 1 minute;
 centrifuge at 3500 rpm for 3 minutes; (draw off 700 µL of supernatant,
 evaporate to dryness at 50 °C under nitrogen;
 reconstitute in 200 µL of 50:50 0.1% formic acid:0.1% formic acid in methanol)
 column . . . Ascentis Express C18, 10 cm x 3.0 mm I.D., 2.7 µm particles (53814-U)
 mobile phase . . . (A) 0.1% formic acid in water; (B) 0.1% formic acid in methanol
 gradient . . . 30% B from 0 to 5 min; to 100% B in 0.2 min; held at 100% B for 5.3
 min; to 30% B in 0.5 min; held at 30% B for 5 min
 flow rate 500 µL/min
 pressure 3800 psi (262 bar)
 column temp. 25 °C
 detector MS, ESI(+), MRM, m/z 203.2/129.2, 271.2/225.0, 292.1/211.0,
 256.0/175.2, 250.0/132.0, 223.2/126.0, 253.0/125.8
 injection 3 µL
 Application No. **G006046**



AUTHORIZED DISTRIBUTOR

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