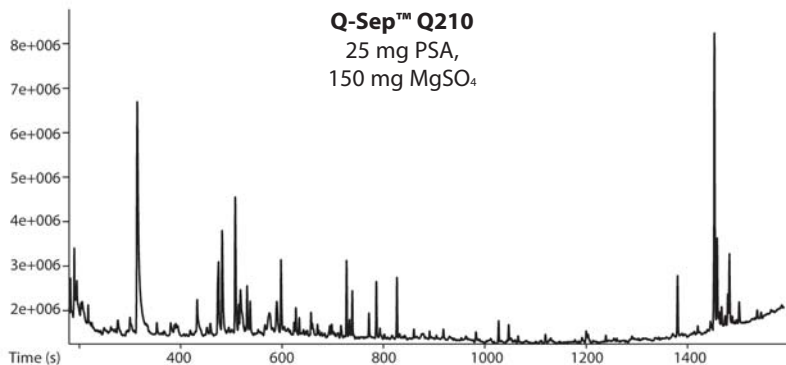
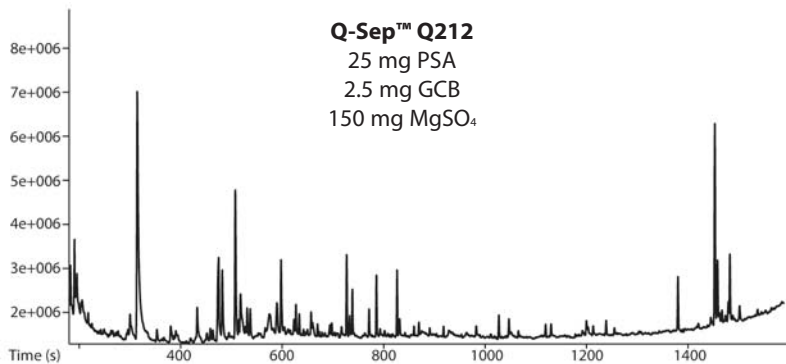


Comparison of Strawberry Extracts (TICs) Processed with Different QuEChERS dSPE Sorbents on Rxi®-5Sil MS



GC_FF1199

Column Sample

Rxi®-5Sil MS, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13623)
Strawberries processed with QuEChERS sample preparation
QuEChERS Internal Standard Mix for GC/MS Analysis (cat.#
33267)

anthracene for quality control (cat.# 33264)
acetonitrile

Diluent:

Injection

Inj. Vol.:

Liner:

Inj. Temp.:

Oven

Oven Temp:

Carrier Gas

Flow Rate:

Detector

Mode:

Analyzer Type:

Source Temp.:

Electron

Ionization

Mode:

Acquisition

Range:

Spectral

Acquisition

Rate:

Instrument

Notes

1 µL splitless (hold 1.5 min.)

5mm Splitless with wool (cat.# 22973-200.1)

250 °C

90 °C (hold 1.5 min.) to 340 °C at 10 °C/min.

He, constant flow

2 mL/min.

MS

TOF

225 °C

70 eV

EI

45-550 amu

5 spectra/sec

LECO Pegasus 4D GCxGC-TOFMS

Sample Preparation:

Sample: 10 g of homogenized strawberries, fortified with
pesticides and QuEChERS Internal Standard Mix for GC/MS
Analysis (cat.# 33267)

Extraction: 10 mL acetonitrile added, 1 minute shake, then
addition of Q-sep™ Q110 (cat.# 26235), 1 minute shake,
centrifuge with Q-sep™ 3000 Centrifuge (cat.# 26230).

dSPE: cleanup procedure according to EN 15662 method,
add control standard anthracene (cat.# 33264) to 1 mL
extract, add this to one of two different Q-sep™ dSPE tubes
(either cat.# 26215 or cat.# 26217), shake, centrifuge.