

PAHs in Sediment Extract on Rxi-PAH (Sampled From Spring Creek, PA)

Peaks

1. Dibenzo[b,k]fluoranthene
2. Dibenzo[a,e]pyrene
3. Coronene
4. Dibenzo[a,h]pyrene

Column

Rxi-PAH, 60 m, 0.25 mm ID, 0.10 μ m (cat.# 49317)

Injection

Inj. Vol.: 1 μ L split (split ratio 10:1)
Liner: Premium 4 mm Precision liner w/wool (cat.# 23305)
Inj. Temp.: 300 °C

Split Vent Flow

Rate: 20 mL/min

Oven

Oven Temp.: 80 °C (hold 1 min) to 350 °C at 3.7 °C/min (hold 21 min)

Carrier Gas

Flow Rate: He, constant flow

Detector

Transfer Line
Temp.: 320 °C

Analyzer Type:

TOF

Source Temp.: 300 °C

Electron Energy: 70 eV

Mass Defect: 0 mu/100 u

Solvent Delay

Time: 6 min

Tune Type: PFTBA

Ionization Mode: EI

Acquisition Range: 45-550 amu

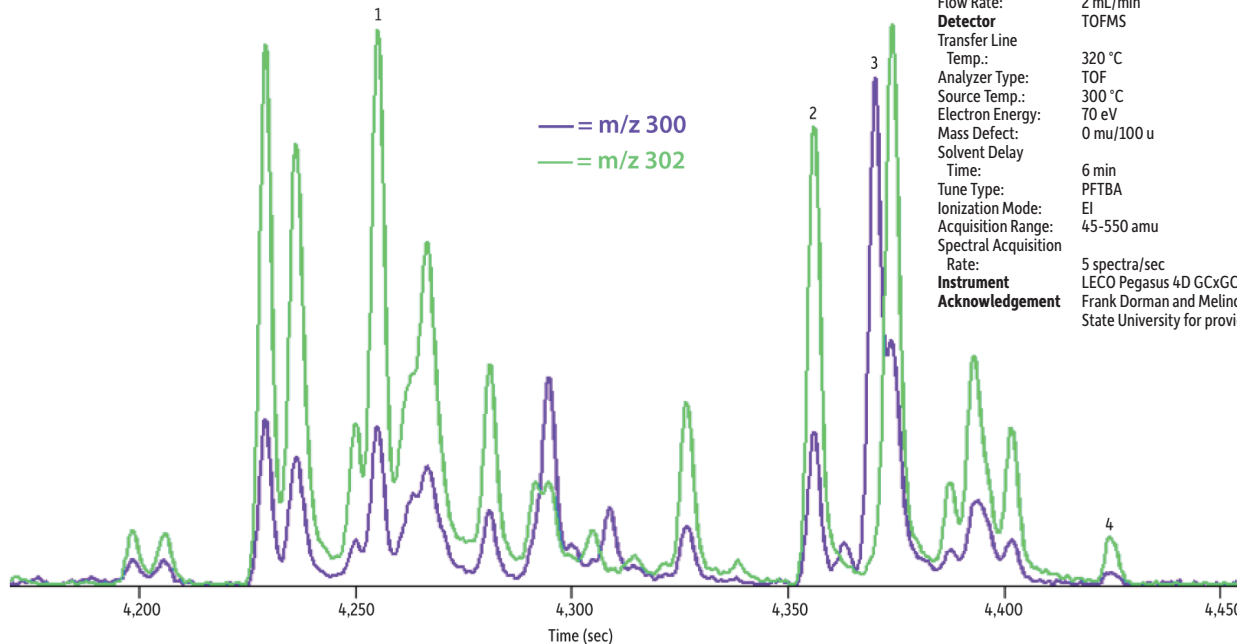
Spectral Acquisition

Rate: 5 spectra/sec

Instrument: LECO Pegasus 4D GCxGC-TOFMS

Acknowledgement

Frank Dorman and Melinda Pham of The Pennsylvania State University for providing the sediment extract.



GC_EV1333