

# Other PAHs in a QuEChERS Extract of Mate Tea on Rxi-PAH

Peaks	tr (sec)
1. Benzonaphthofurans	218 (orange)
2. Benzofluorenes	215 (green)
3. Phenylidibenzofurans	244 (blue)

Peak IDs are tentative based on NIST library searches.

**Column** Rxi-PAH, 60 m, 0.25 mm ID, 0.10  $\mu$ m (cat.# 49317)  
**Injection**  
Inj. Vol.: 2.5  $\mu$ L splitless (hold 1 min)  
Liner: Premium 4 mm single taper w/wool (cat.# 23303)  
Inj. Temp.: 275  $^{\circ}$ C  
Purge Flow: 40 mL/min  
**Oven**  
Oven Temp.: 80  $^{\circ}$ C (hold 1 min) to 210  $^{\circ}$ C at 40  $^{\circ}$ C/min to 260  $^{\circ}$ C at 3  $^{\circ}$ C/min to 350  $^{\circ}$ C at 11.5  $^{\circ}$ C/min (hold 6.25 min)  
**Carrier Gas**  
Carrier Gas: H<sub>2</sub>, constant flow  
**Flow Rate:** 2.4 mL/min  
**Detector** TOFMS  
Transfer Line  
Temp.: 320  $^{\circ}$ C  
Analyzer Type: TOF  
Source Temp.: 300  $^{\circ}$ C  
Electron Energy: 70 eV  
Mass Defect: 0 mu/100 u  
Solvent Delay  
Time: 3.67 min  
Tune Type: PFTBA  
Ionization Mode: EI  
Acquisition Range: 45-550 amu  
Spectral Acquisition  
Rate: 5 spectra/sec  
**Instrument** LECO Pegasus 4D GCxGC-TOFMS

