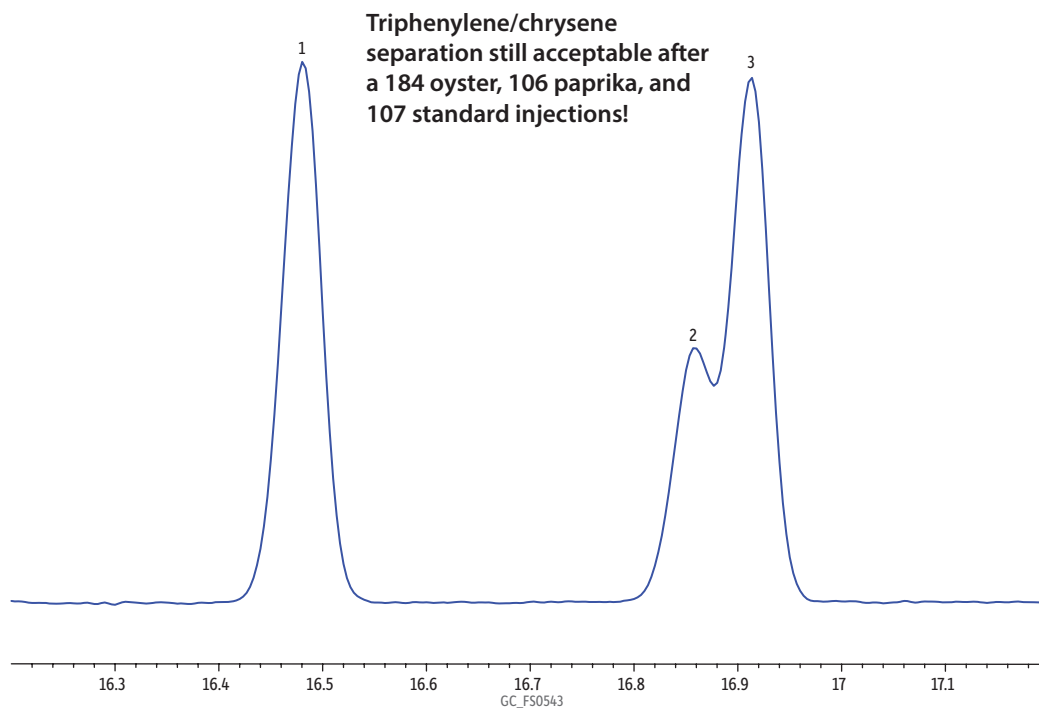


## Benz[a]anthracene, Triphenylene, and Chrysene on Rxi-PAH After Repeated Matrix Injections



### Peaks

1. Benz[a]anthracene
2. Triphenylene
3. Chrysene

<b>Column</b>	Rxi-PAH, 40 m, 0.18 mm ID, 0.07 $\mu$ m (cat.# 49316)
<b>Standard/Sample</b>	Custom PAH standard
<b>Diluent:</b>	Toluene
<b>Injection</b>	
Inj. Vol.:	0.5 $\mu$ L pulsed splitless
Liner:	Premium 2 mm single taper w/wool (cat.# 23316)
Inj. Temp.:	275 $^{\circ}$ C
Pulse Pressure:	80 psi (551.6kPa)
Pulse Time:	0.6 min
Purge Flow:	40 mL/min
<b>Oven</b>	
Oven Temp.:	110 $^{\circ}$ C (hold 1 min) to 210 $^{\circ}$ C at 35 $^{\circ}$ C/min to 260 $^{\circ}$ C at 3 $^{\circ}$ C/min to 350 $^{\circ}$ C at 10 $^{\circ}$ C/min (hold 4.5 min)
<b>Carrier Gas</b>	He, constant flow
Flow Rate:	1.4 mL/min
<b>Detector</b>	FID @ 360 $^{\circ}$ C
Make-up Gas Flow Rate:	45 mL/min
Make-up Gas Type:	N <sub>2</sub>
Hydrogen flow:	40 mL/min
Air flow:	450 mL/min
<b>Instrument</b>	Agilent 7890A GC
<b>Sample Preparation</b>	The experiment was carried out as follows: <ul style="list-style-type: none"><li>- Oysters and paprika were extracted using QuEChERS methodology.</li><li>- dSPE cleanup was performed on oyster extracts.</li><li>- Cartridge cleanup was performed on paprika extracts.</li><li>- Oyster and paprika extracts were injected, interspersed with solvent standard, to monitor performance.</li></ul>
<b>Notes</b>	1 m was trimmed from the column and the liner was changed during the course of the experiment.