

# **Development and design of a new single-stage cryogenic modulator for comprehensive two dimensional gas chromatography (GC×GC)**

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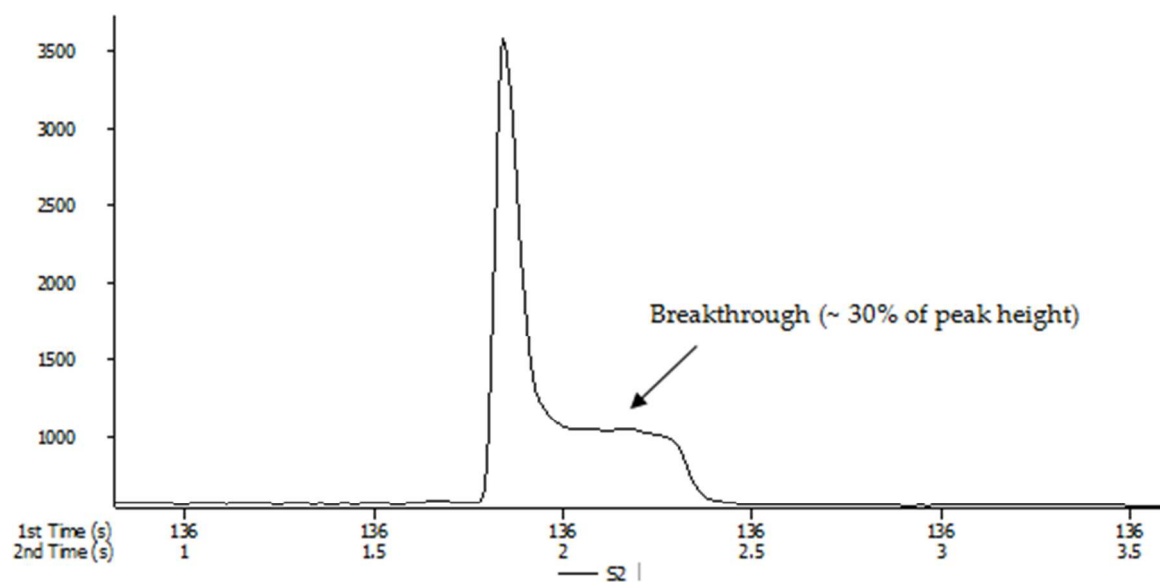
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## **Supporting information**

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Figure S1: *n*-pentane peak modulation using 100 µm I.D. deactivated fused silica capillary showing characteristic chair-shape peak due to breakthrough (~ 30% of peak height).



**Figure S1:** *n*-pentane peak modulation using 100  $\mu\text{m}$  I.D. deactivated fused silica capillary showing characteristic chair-shape peak due to breakthrough.