

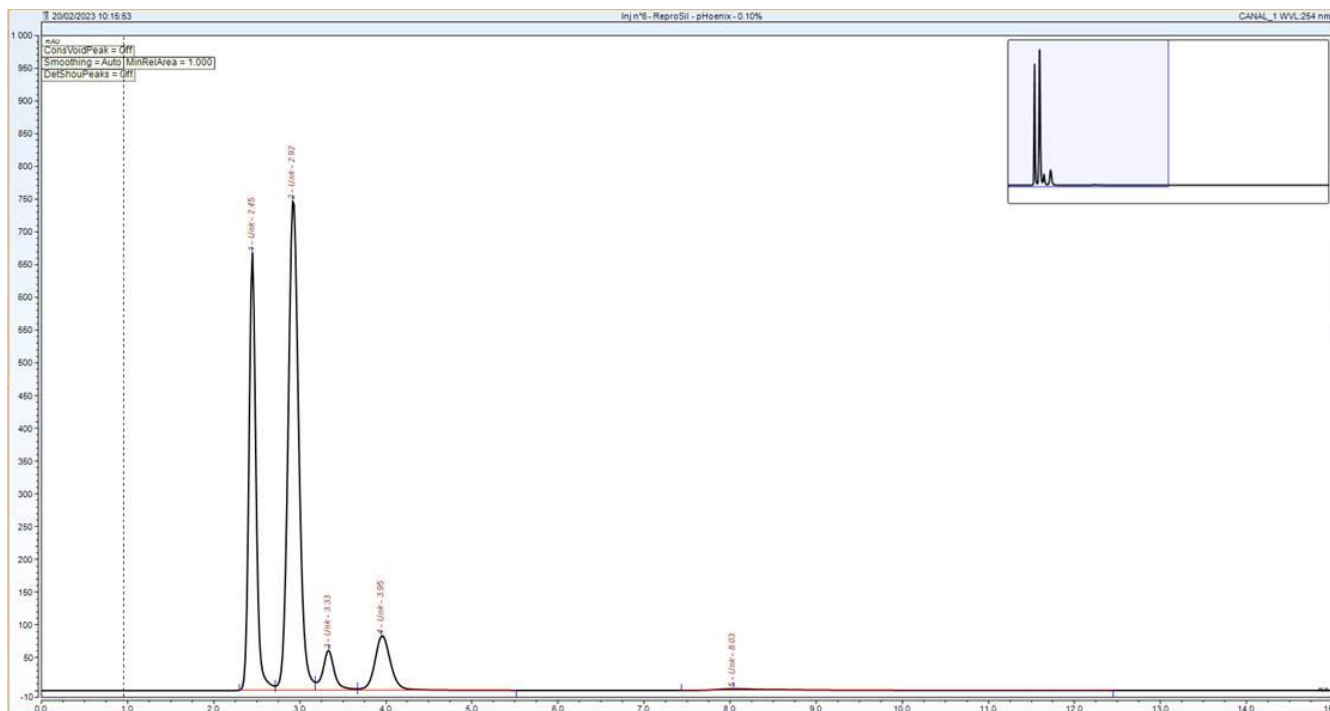
## Technical Notification 0005

### Polar Organic Compounds

|                           |                                                                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ID No.:</b>            | <b>0005</b>                                                                                                                                                                                                           |
| <b>Analytes:</b>          | <b>Confidential</b><br><br>Organic, polar, water-soluble crude with a mixture of isomers & regioisomers.                                                                                                              |
| <b>Materials:</b>         | 1) Dr. Maisch HPLC GmbH<br>ReproSil pHoenix, 10 µm<br>(P/N: ph10.9e.s2546)<br><br>2) YMC<br>YMC-Triart Prep C18-S, 10 µm<br>(P/N: YMTAS12S11-2546WT)<br><br>3) Phenomenex<br>Luna C18(3), 10 µm<br>(P/N: 00G-4616-E0) |
| <b>Column Dimensions:</b> | 1-3) 250 mm x 4.6 mm                                                                                                                                                                                                  |
| <b>Elution Type:</b>      | Isocratic                                                                                                                                                                                                             |
| <b>Eluent:</b>            | H <sub>2</sub> O + 0.1% Methanesulfonic Acid (MSA)                                                                                                                                                                    |
| <b>Flow Rate:</b>         | 1 ml/min                                                                                                                                                                                                              |
| <b>Injection:</b>         | 10 µl (1 µg/µl)                                                                                                                                                                                                       |
| <b>Temperature:</b>       | 23 °C                                                                                                                                                                                                                 |
| <b>Detection:</b>         | UV-Detection @254 nm                                                                                                                                                                                                  |

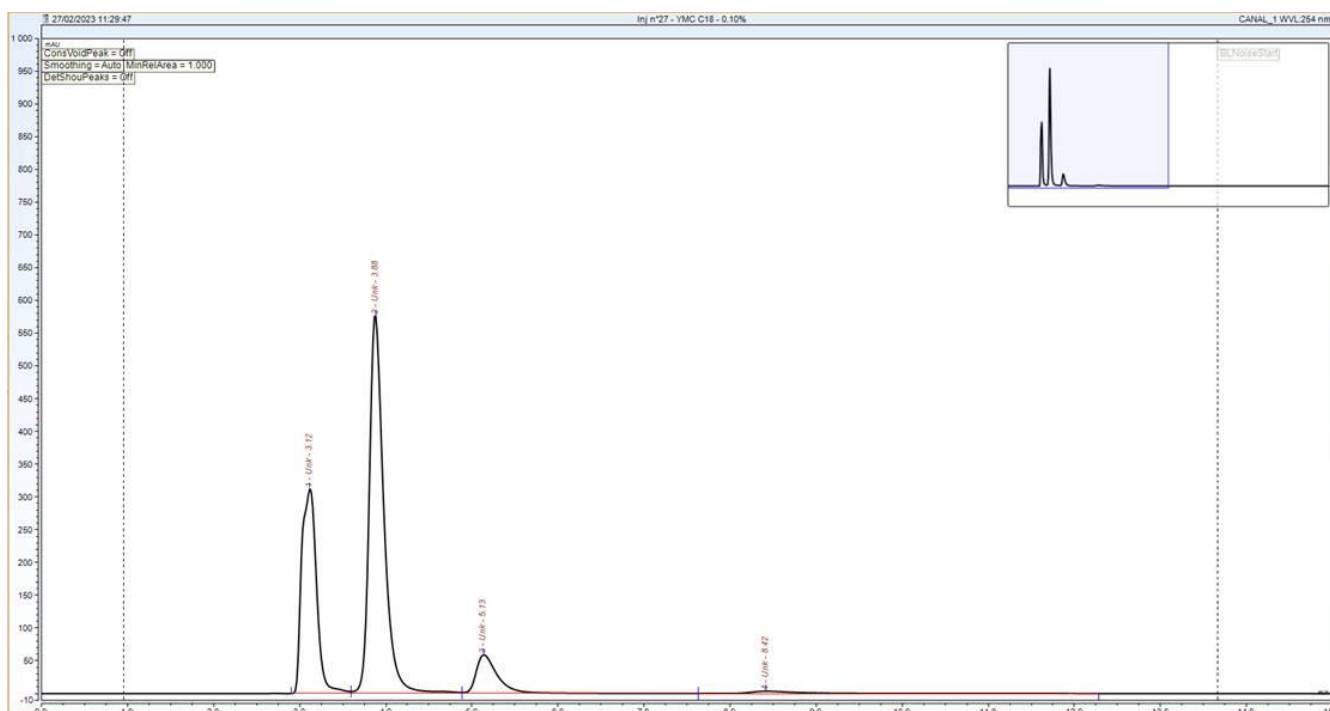
## 1) ReproSil pHoenix C18, 10 µm, 250 mm x 4.6 mm - Dr. Maisch HPLC GmbH

- Backpressure: 25 bar



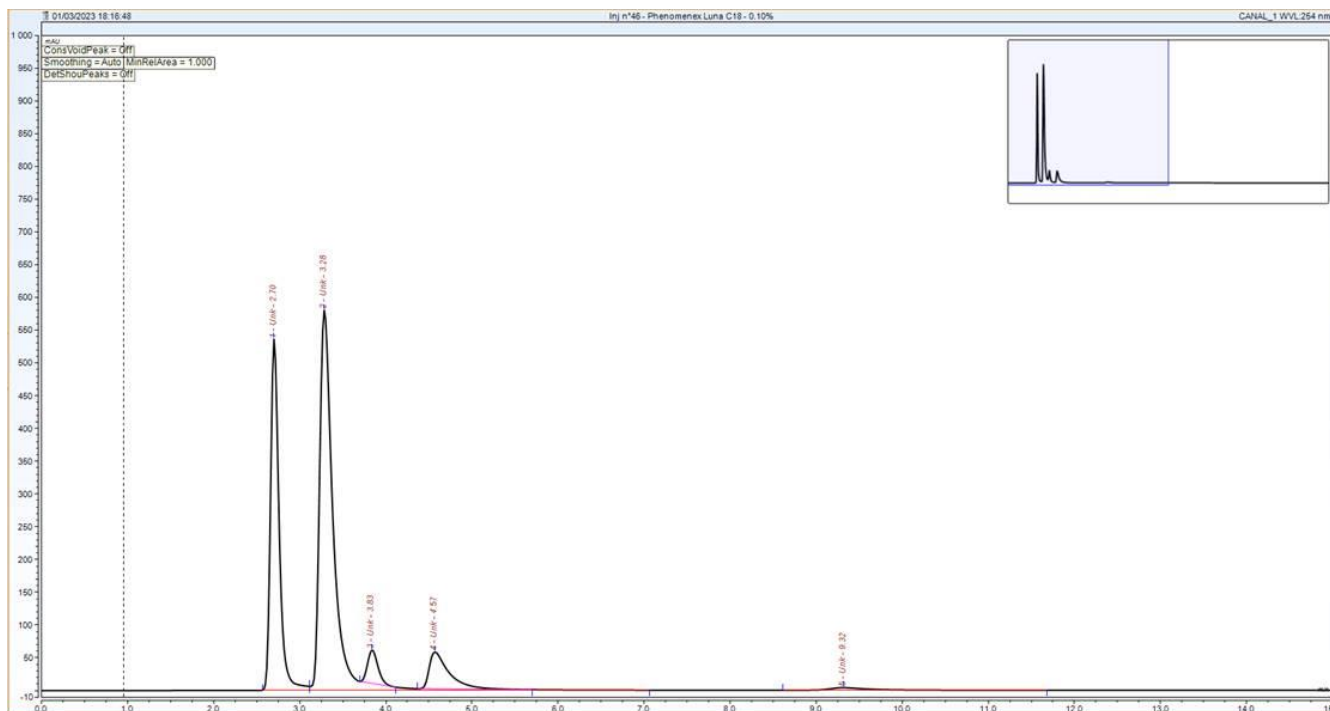
## 2) YMC-Triart Prep C18-S, 10 µm, 250 mm x 4.6 mm - YMC

- Backpressure: 39 bar



### 3) Luna C18(3), 10 µm, 250 mm x 4.6 mm - Phenomenex

- Backpressure: 31 bar



*Data courtesy of a pharmaceutical company, France.*

*Dr. Maisch products are available globally. For more information contact your Dr. Maisch representative at [info@dr-maisch.com](mailto:info@dr-maisch.com).*