Bornyl and Isobornyl Acetate  chiral separation

Column: MEGA-DEX G-01 - 0.25mm, 0.25µm, 60m
Catalog Code: DEX-G01-025-025-60
New Column

Conditions:
Injection: Split, 250°C, 75mL/min split flow, 0.5µL injected volume.
Detector: FID 250°C.
Oven Program: 40°C, 0.5°C/min.
Carrier Gas: Hydrogen, 180kPa (best conditions with Helium carrier gas is 300kPa pressure).

Sample:
Standard mixture, diluted 1µL/1mL in n-Hexane for each enantiomer.

This separation is very difficult to obtain, for this it is recommended to follow the chromatographic conditions here reported, which are the optimized parameters for this analysis.
Bornyl and Isobornyl Acetate  chiral separation

Column: MEGA-DEX G-01 - 0.25mm, 0.25µm, 60m
Catalog Code: DEX-G01-025-025-60
New Column

Conditions:
Injection: Split, 250°C, 75mL/min split flow, 0.5µL injected volume.
Detector: FID 250°C.
Oven Program: 40°C, 0.5°C/min.
Carrier Gas: Hydrogen, 180kPa (best conditions with Helium carrier gas is 300kPa pressure).

Sample:
Real sample with 95-97% of Bornyl Acetate and 3-5% of Isobornyl Acetate and a extremely high abundance of the “S” enantiomer of Bornyl Acetate. The sample was diluted 1µL/1mL in n-Hexane.

This separation is very difficult to obtain, for this it is recommended to follow the chromatographic conditions here reported, which are the optimized parameters for this analysis.
Bornyl and Isobornyl Acetate  chiral separation

Column: MEGA-DEX G-01 - 0.25mm, 0.25µm, 60m
Catalog Code: DEX-G01-025-025-60
New Column

Conditions:
Injection: Split, 250°C, 75ml/min split flow, 0.5µL injected volume.
Detector: FID 250°C.
Oven Program: 40°C, 0.5°C/min.
Carrier Gas: Hydrogen, 180kPa (best conditions with Helium carrier gas is 300kPa pressure).

Samples:
- Real sample (see previous slide)
- Standard sample (see previous slide)

This separation is very difficult to obtain, for this it is recommended to follow the chromatographic conditions here reported, which are the optimized parameters for this analysis.