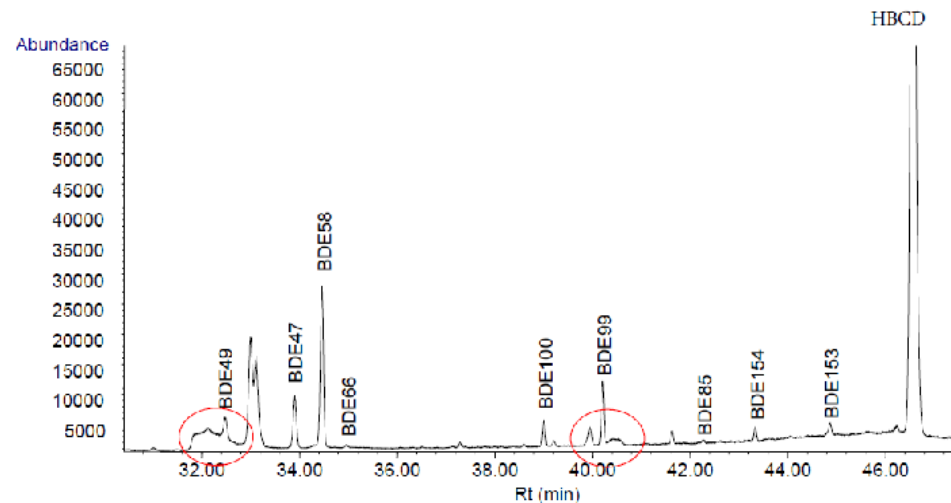
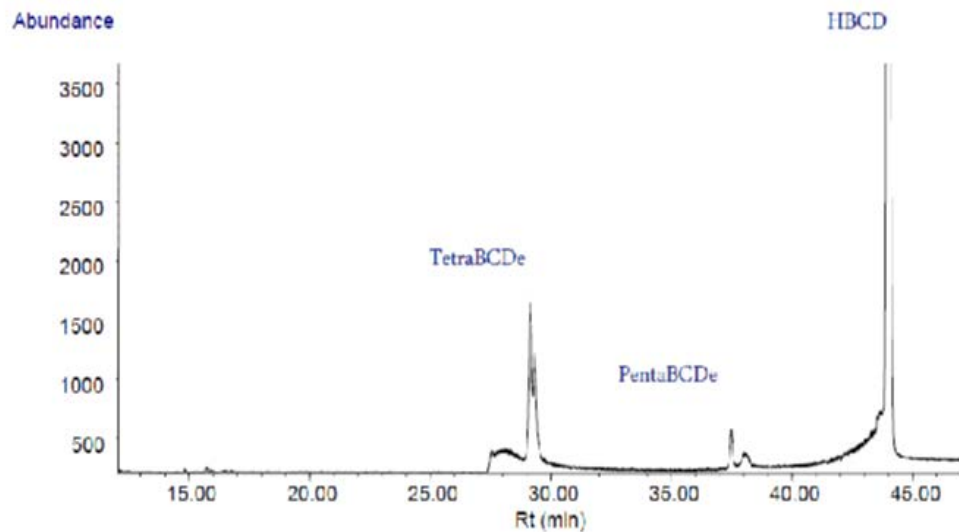
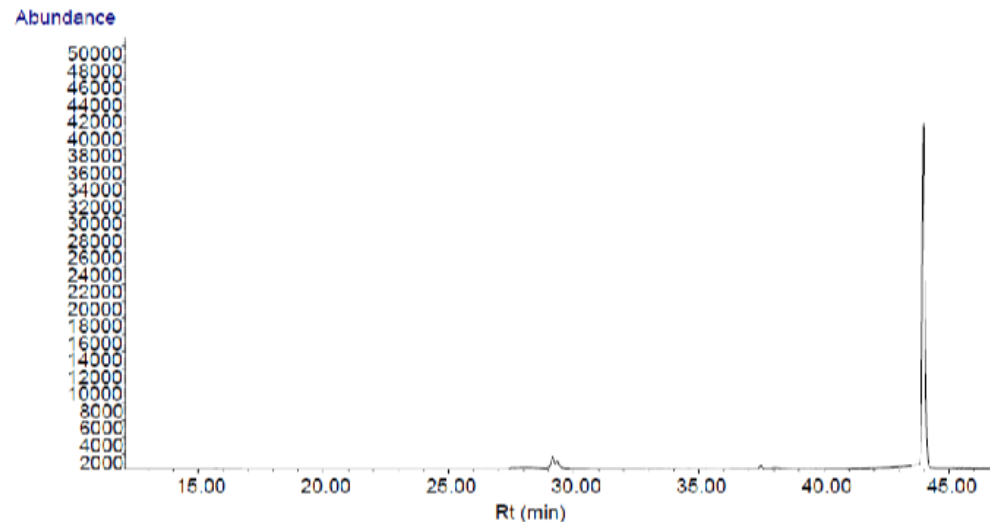
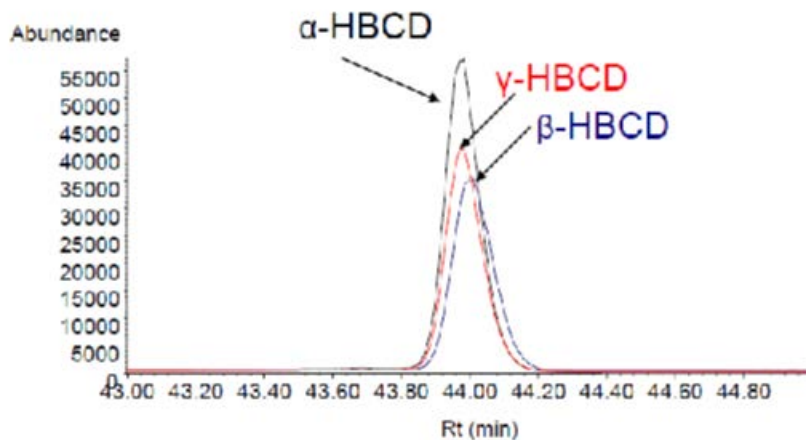


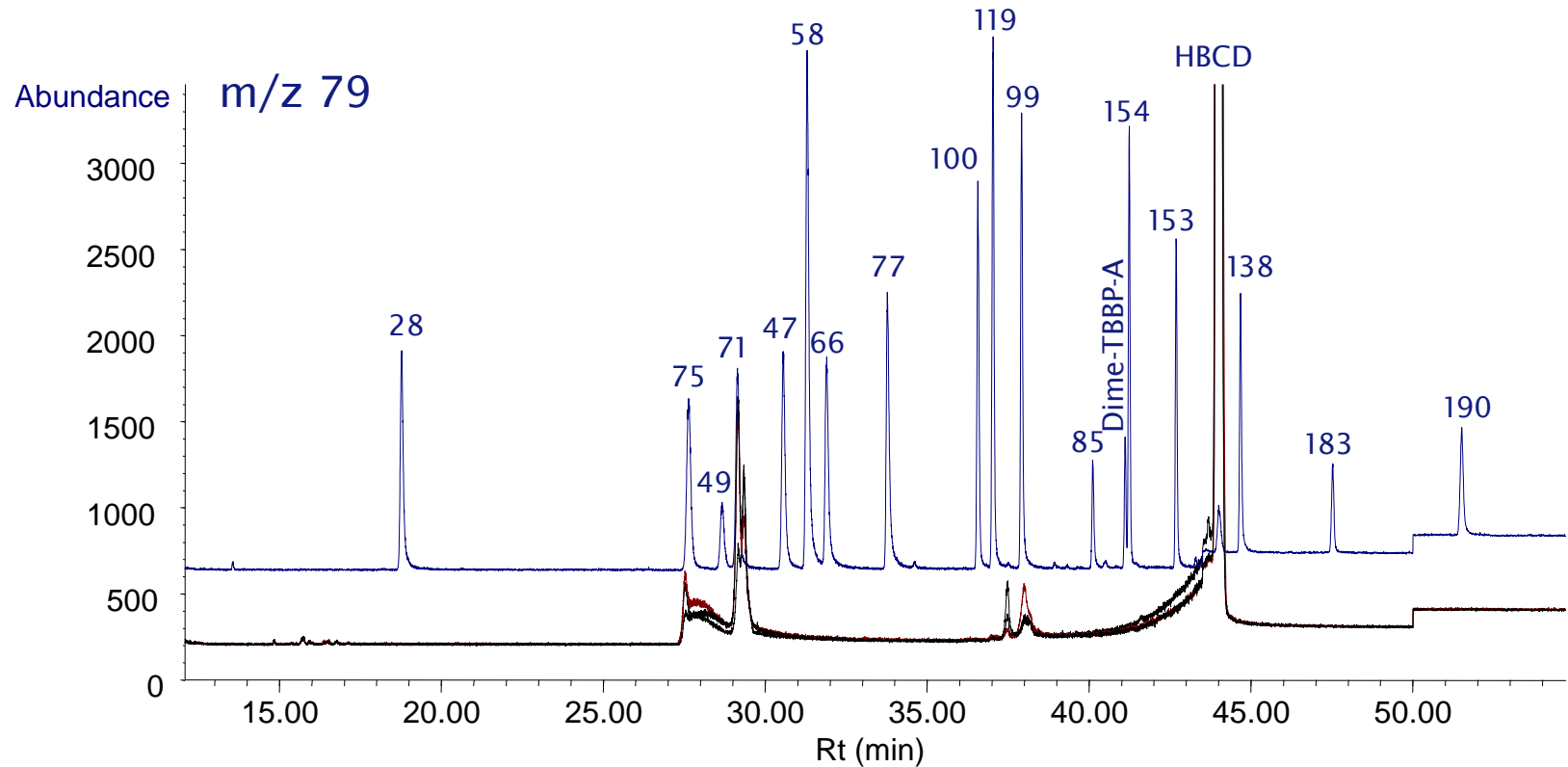
## Results of the GMP2 study on POPs in Air HBCD in GRULAC

Jacob de Boer, Rianne van Dijk

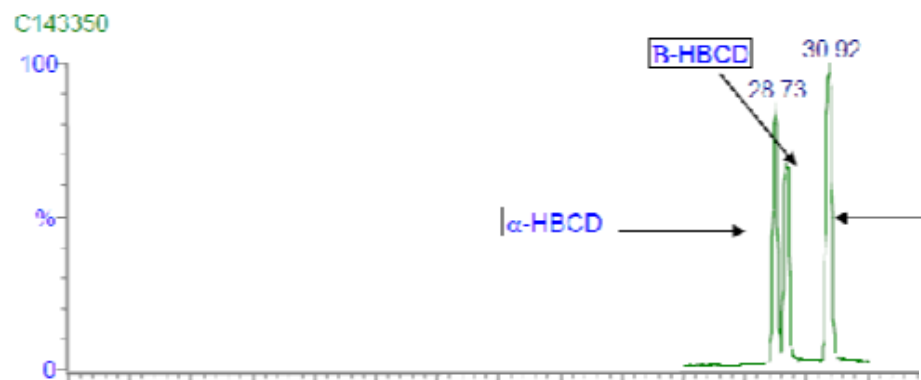
# HBCD by GC/MS : overlap diastereomers and degradation



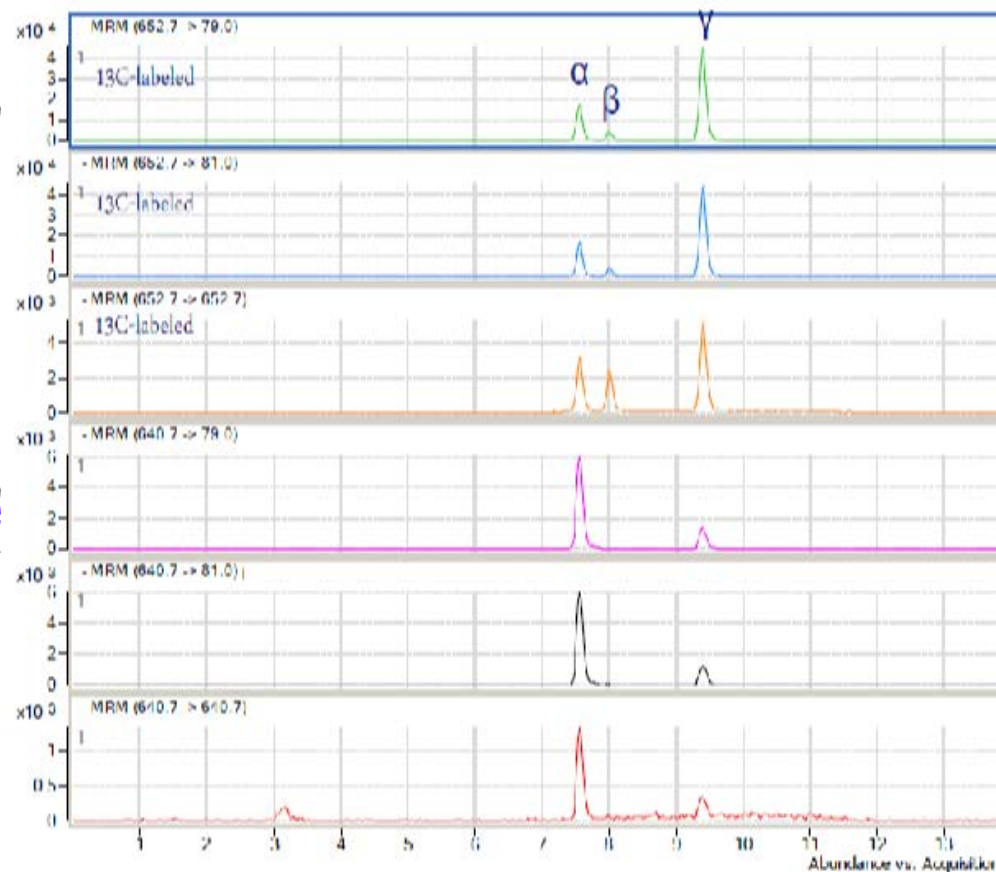
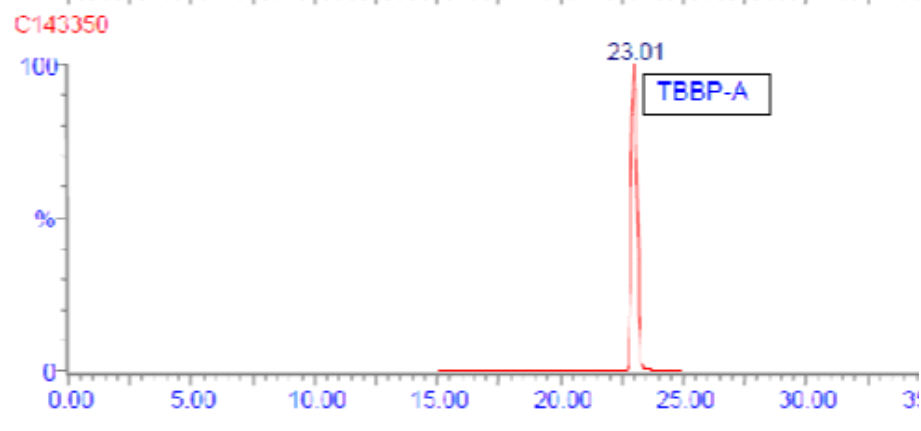
# HBCD and PBDEs: Coelution of degradation products and Target peaks in GC/ECNI-MS



# HBCD Analysis: LC-MS/MS!

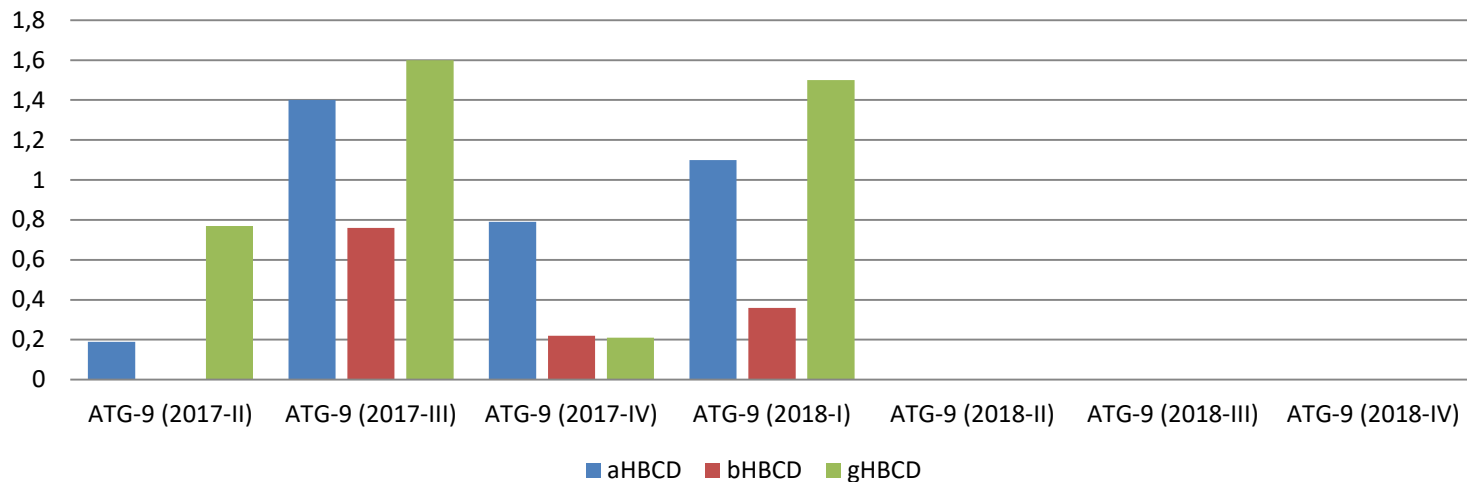
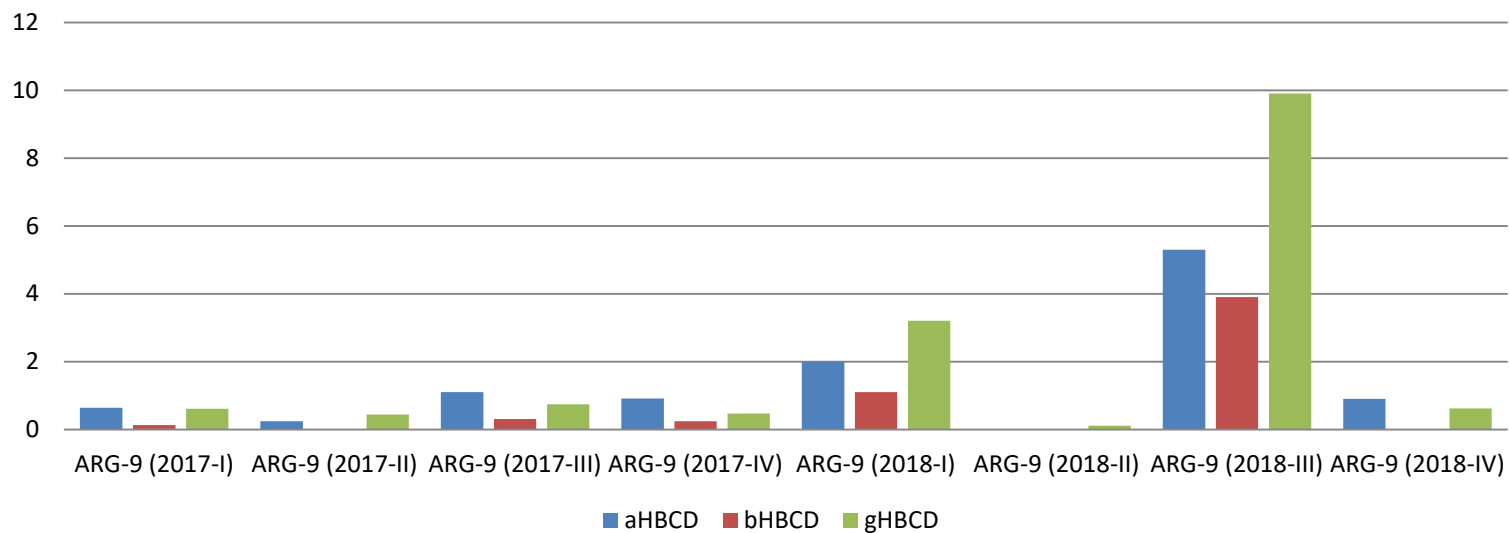


6: SIR of 1 Channel ES-  
640.50  
6.15e4  
Area



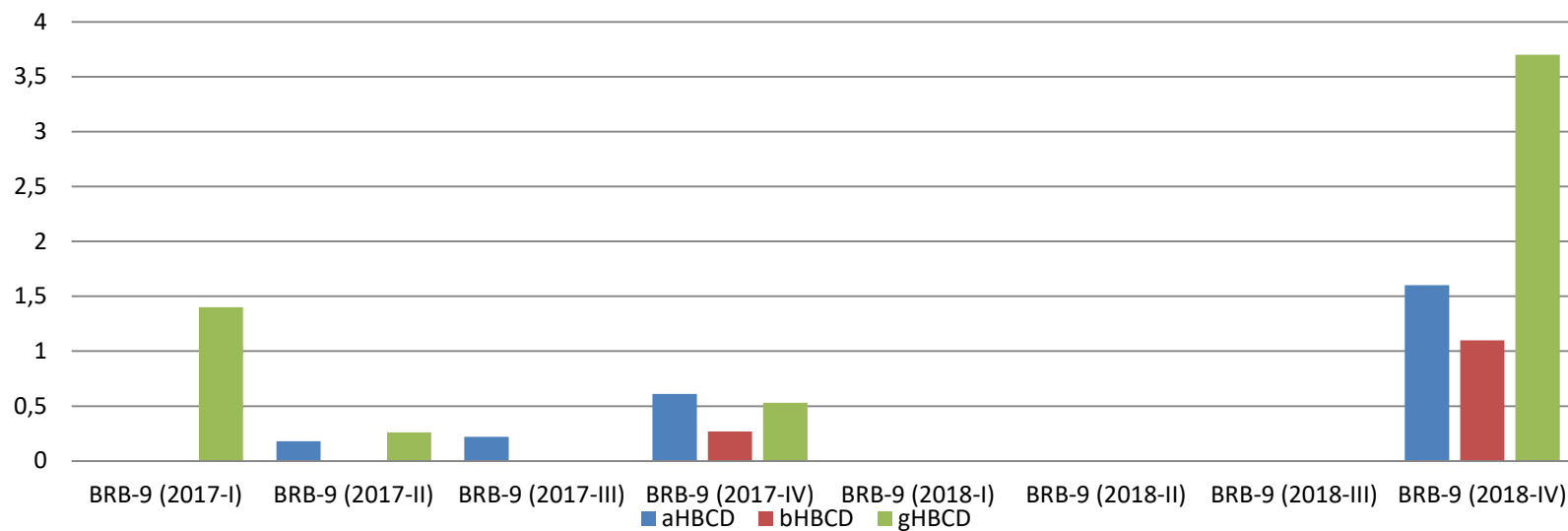
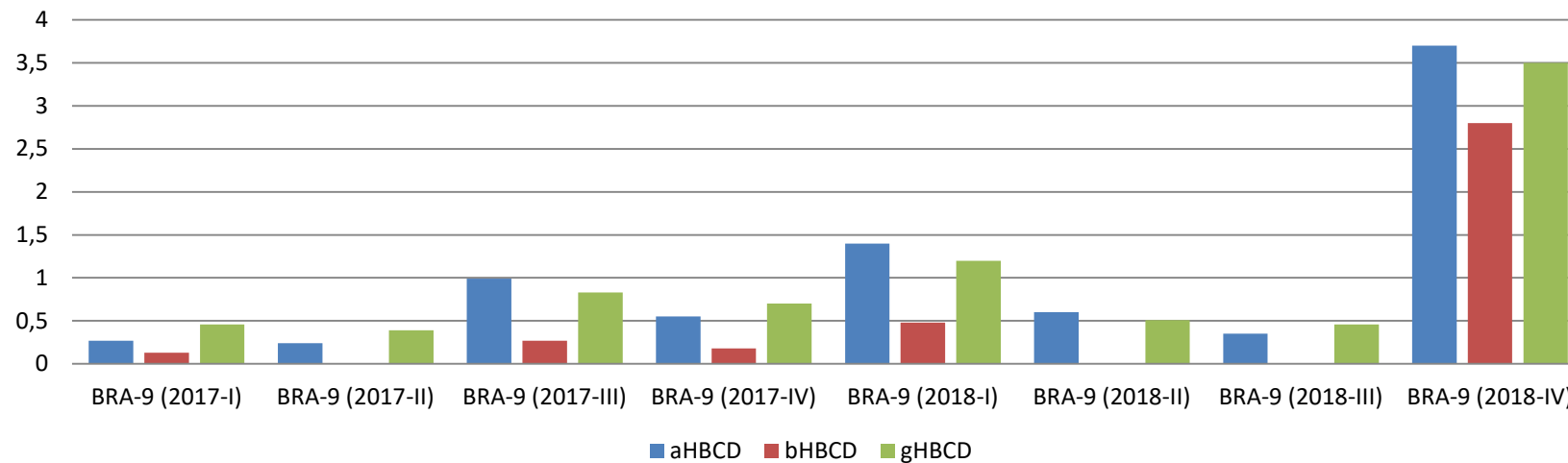
# Argentina and Antigua & Barbuda

## HBCD ng/PUF



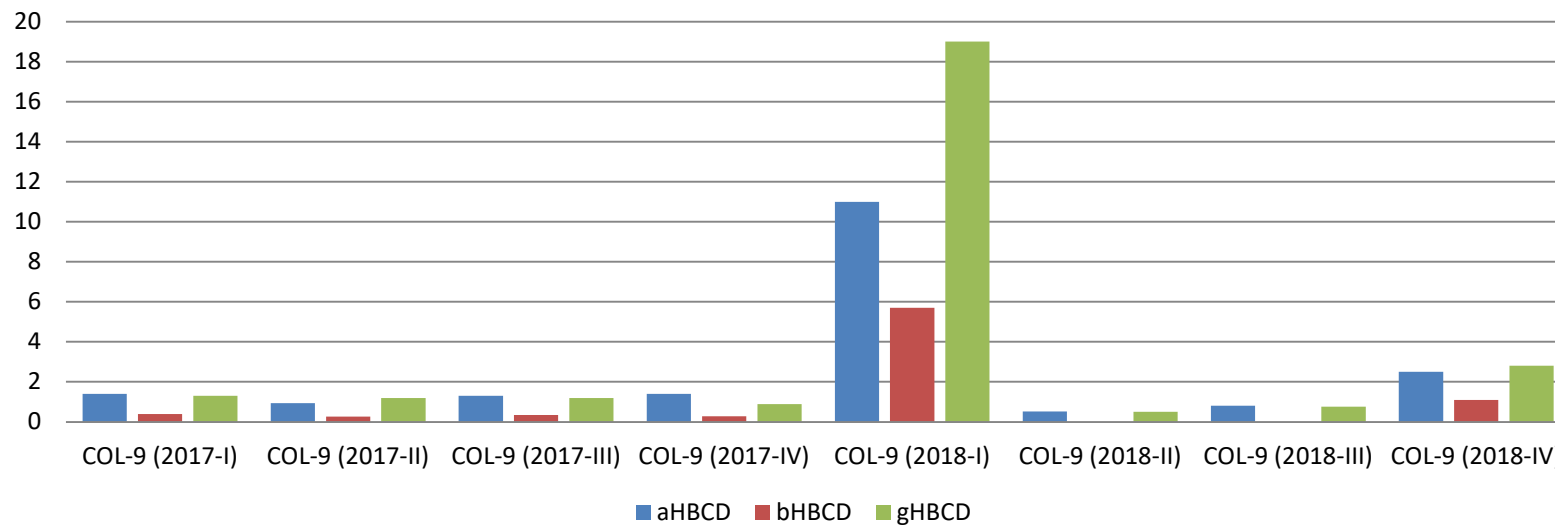
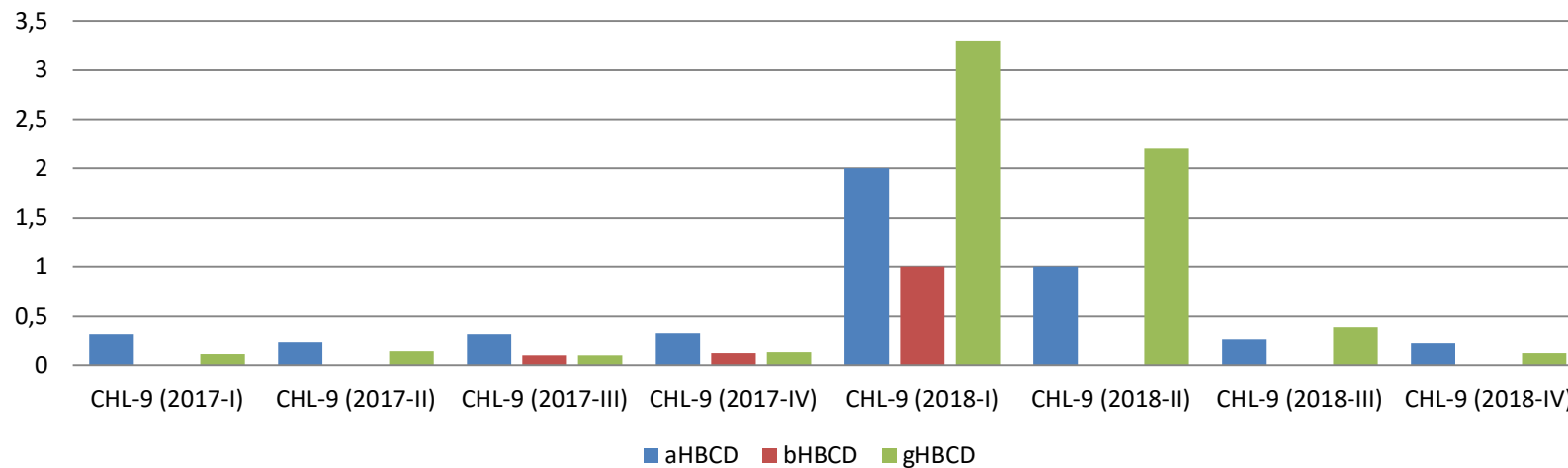
# Brazil and Barbados

## HBCD ng/PUF



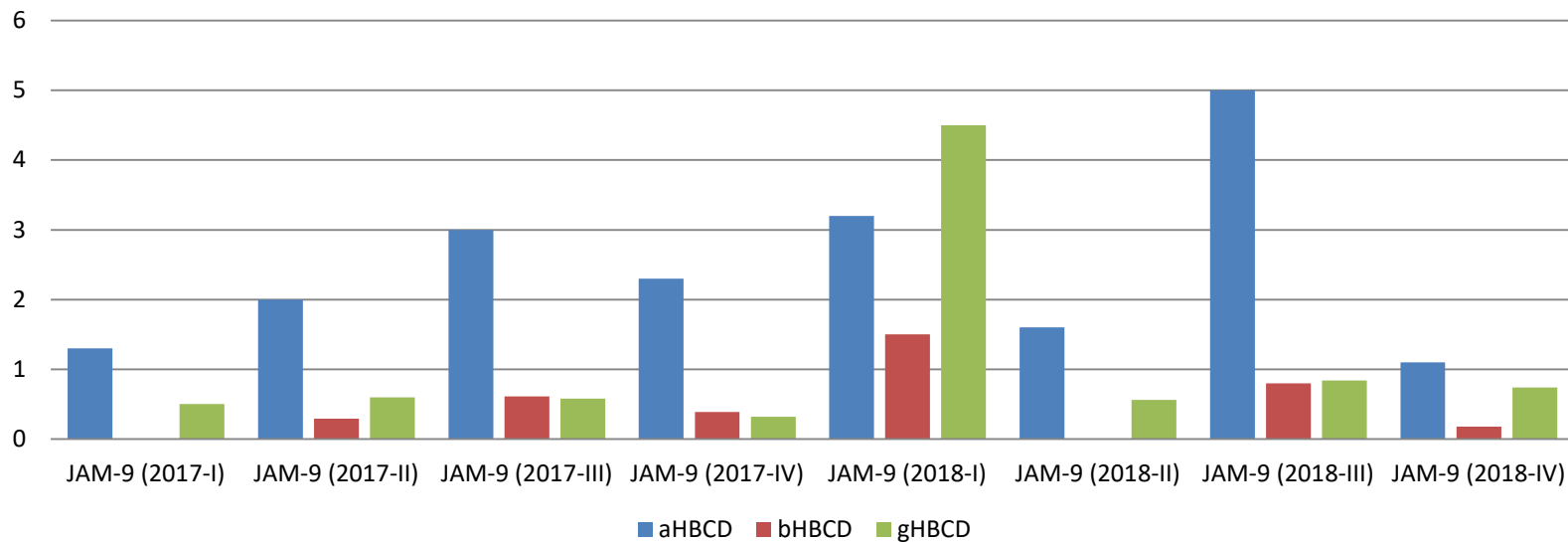
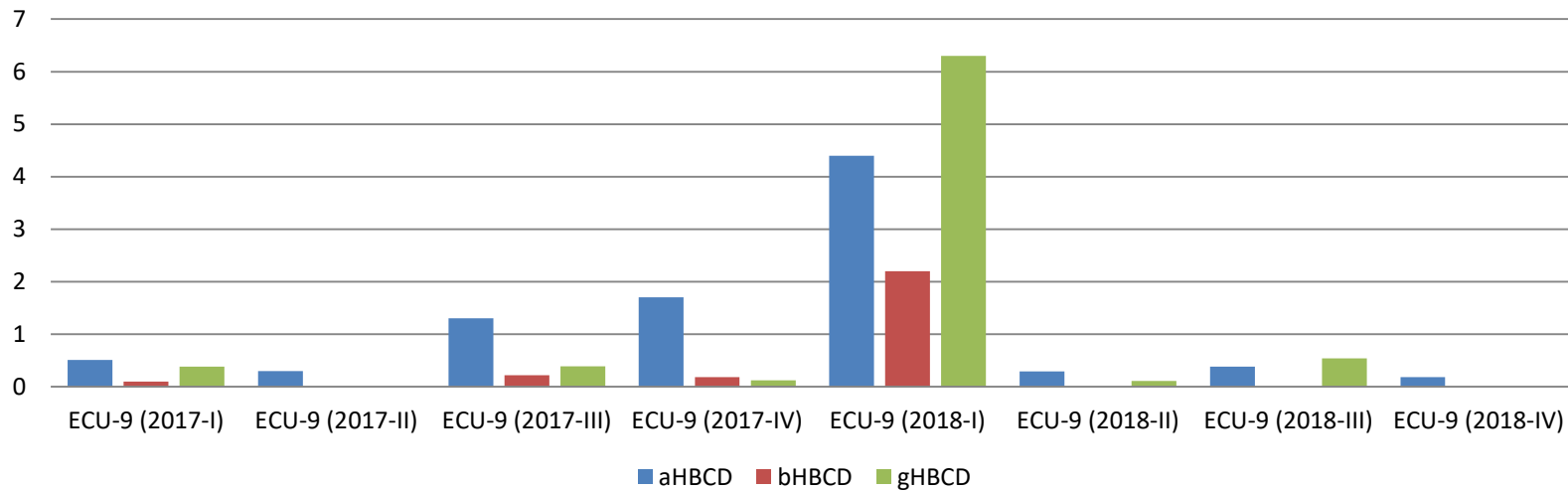
# Chile and Colombia

## HBCD ng/PUF



# Ecuador and Jamaica

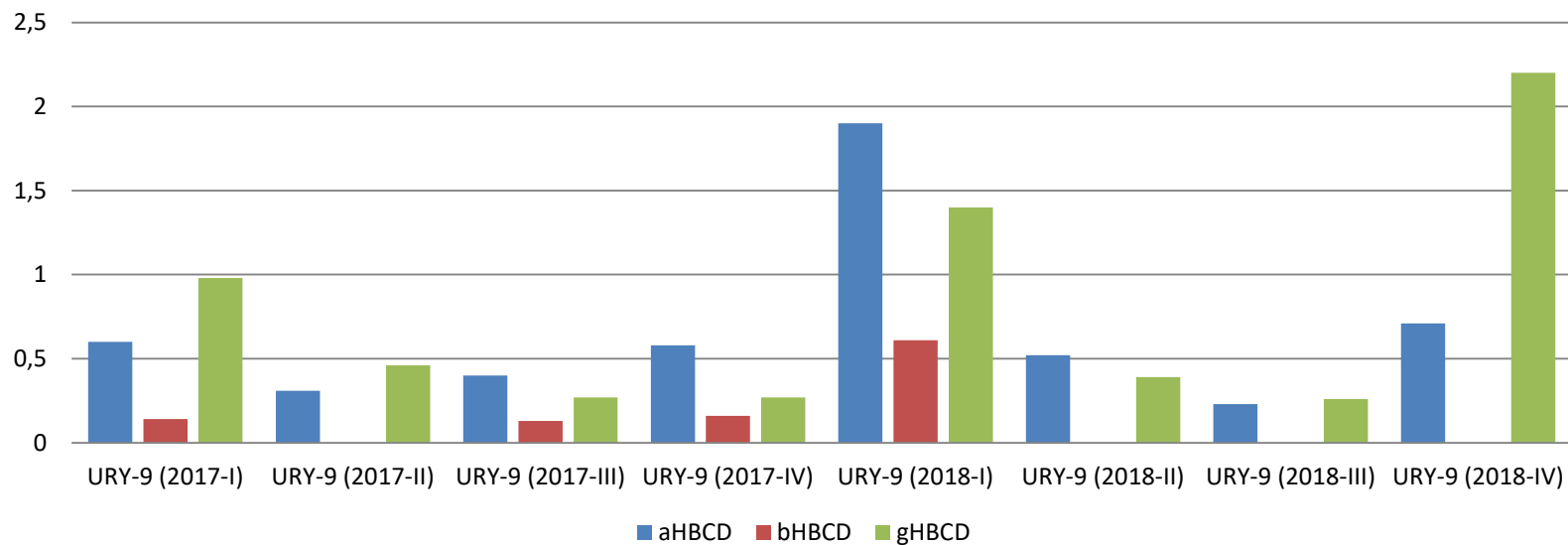
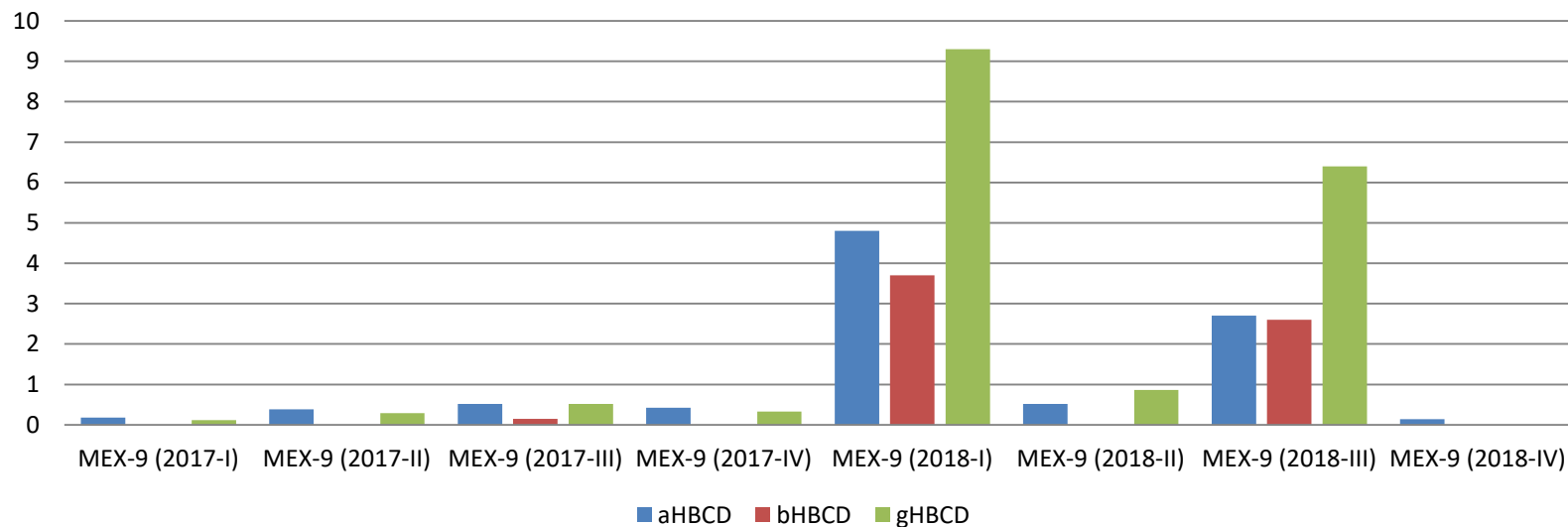
## HBCD ng/PUF



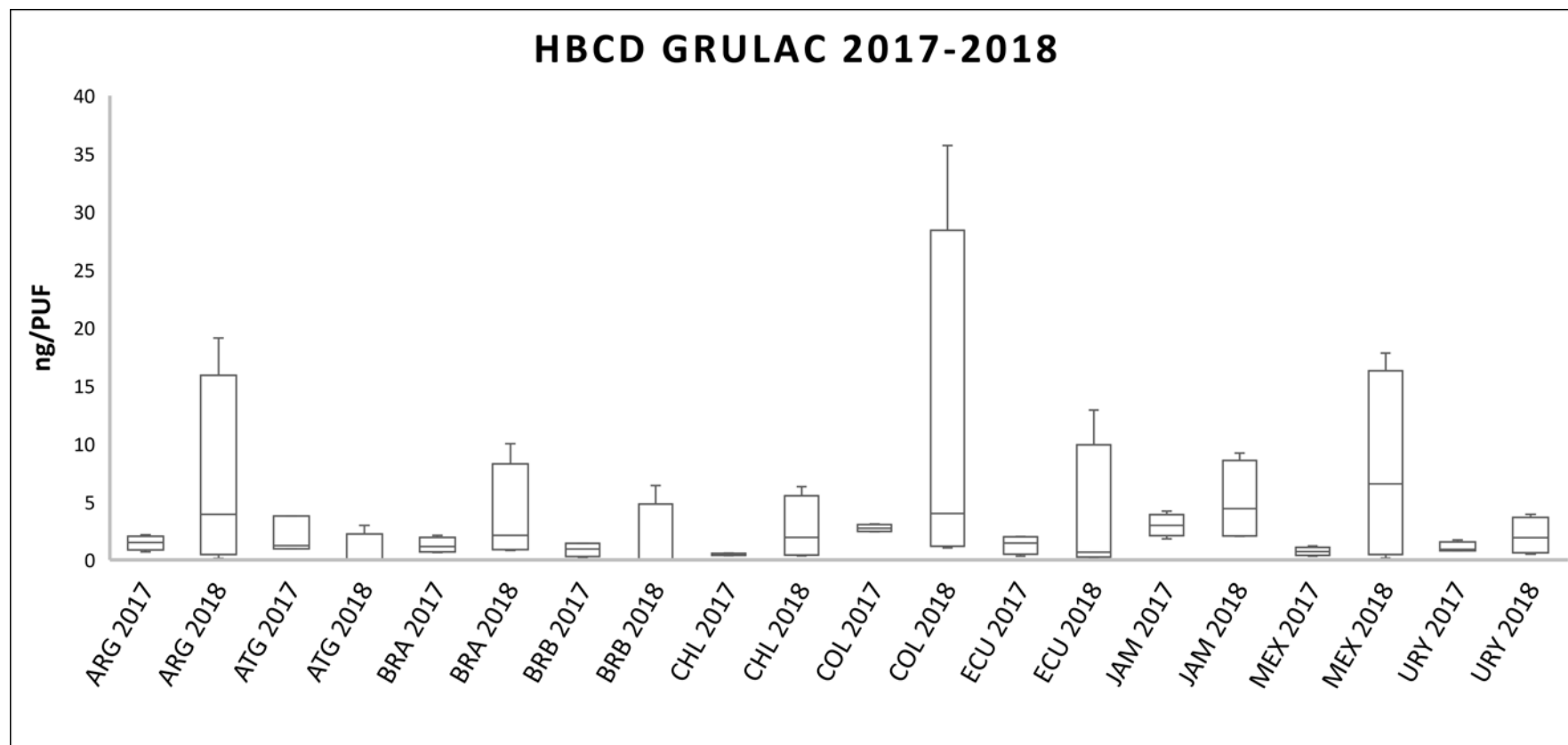


# Mexico and Uruguay

## HBCD ng/PUF



# Sum HBCDs - overall comparison GRULAC



# 'Serious' HBCD contamination, >> 10 ng/PUF

- Mongolia
  - Tanzania
  - Zambia
  - Argentina
  - Colombia
  - Mexico
- Time trend? GRULAC 2018 > 2017 (not for Antigua and Barbuda)