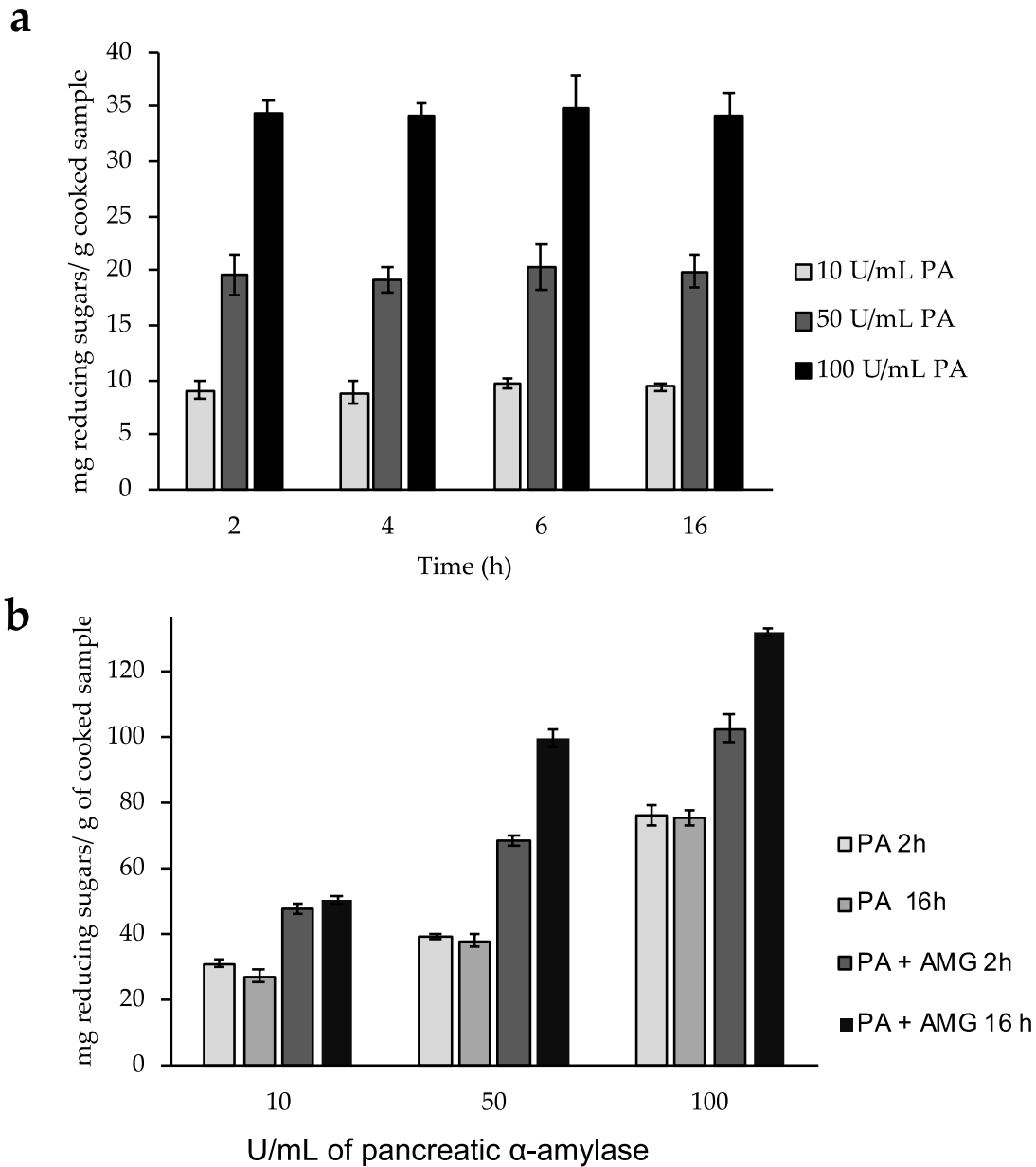
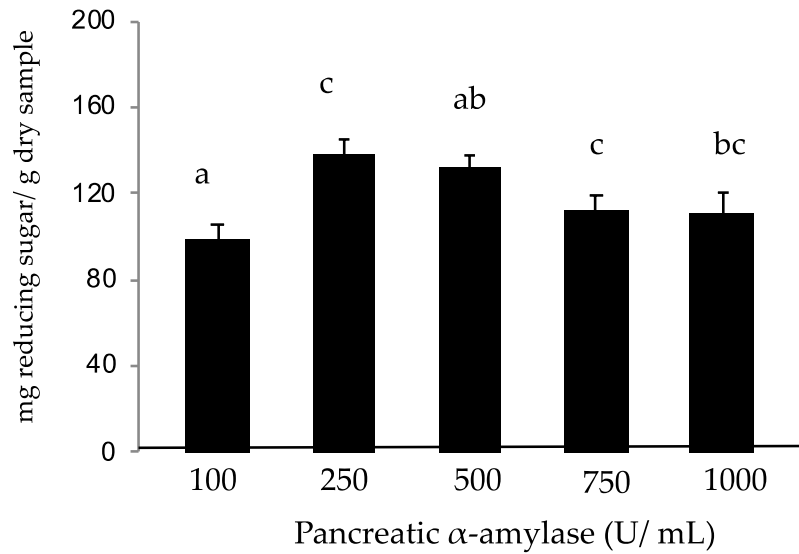


## Supplementary material

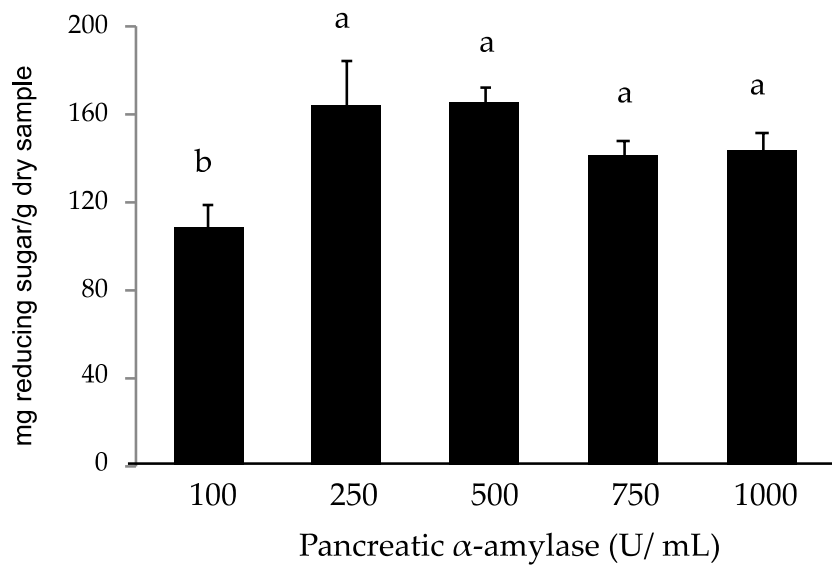


**Figure S1.** Reducing sugars determined by the 3,5- dinitrosalicylic acid (DNS) assay released upon Borlotti bean digestion with pancreatic  $\alpha$ -amylase (PA). a) effect of different concentrations of PA at three concentrations of enzyme (10, 50 and 100 U/mL) at different incubation times (2, 4, 6 and 16 h); b) effect of PA digestion with or without subsequent digestion with 80 U/ml amyloglucosidase (AMG) digestion at 2 h and 16 h. A greater starch hydrolysis was observed when cooked borlotti bean was digested with PA for 16h and a subsequent digestion with AMG.

**a**



**b**



**Figure S2.** Reducing sugars determined by the DNS assay (a) and HPAEC-PAD (b) present in supernatants of Borlotti bean digestion with different amounts of PA (100 – 1000 U/ml) for 16 h and a posterior hydrolysis with of AMG (80 U/g).

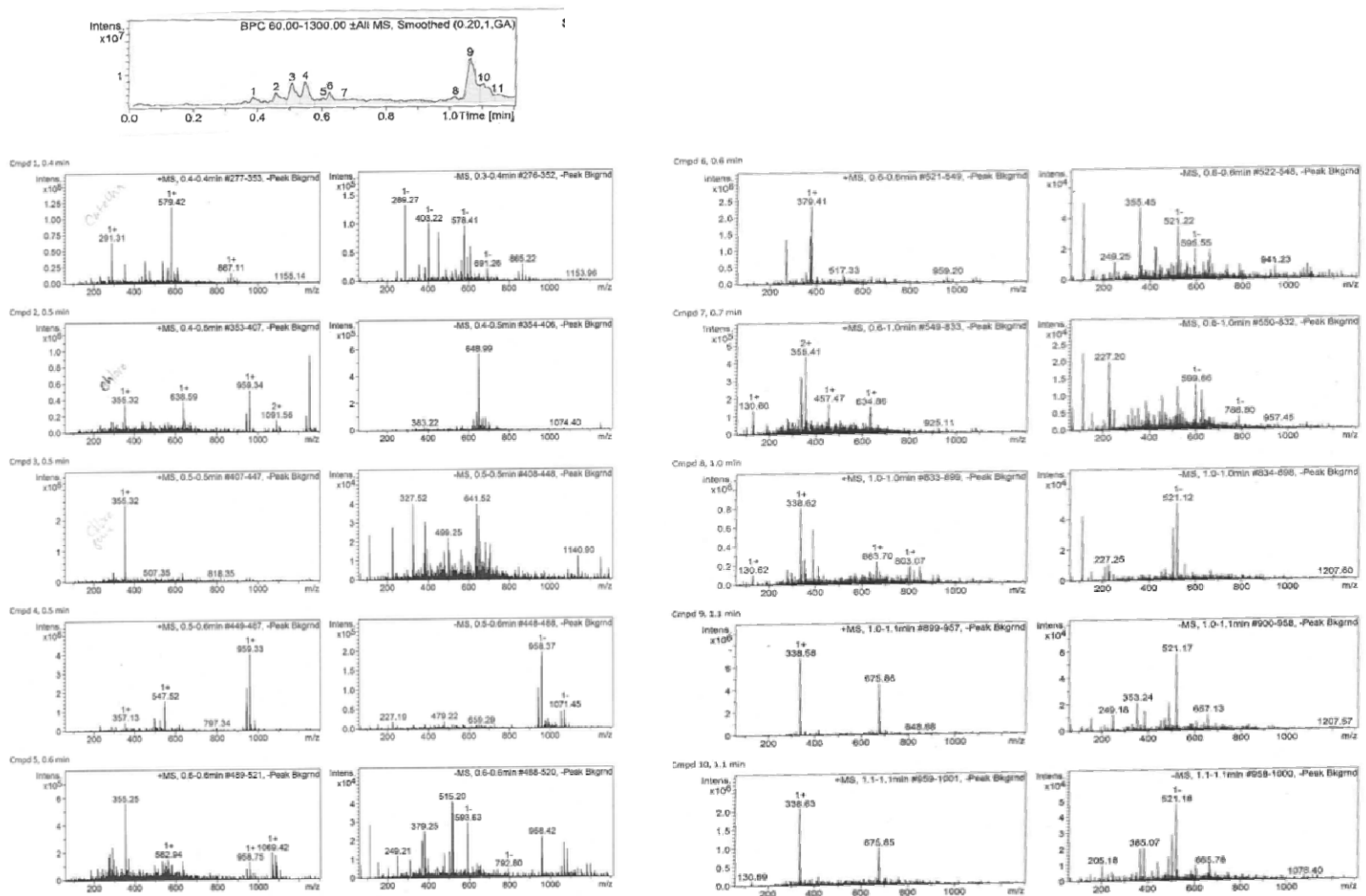


Figure S3. LCMS chromatograms of Borlotti bean extract analysis.