

Fig. 1

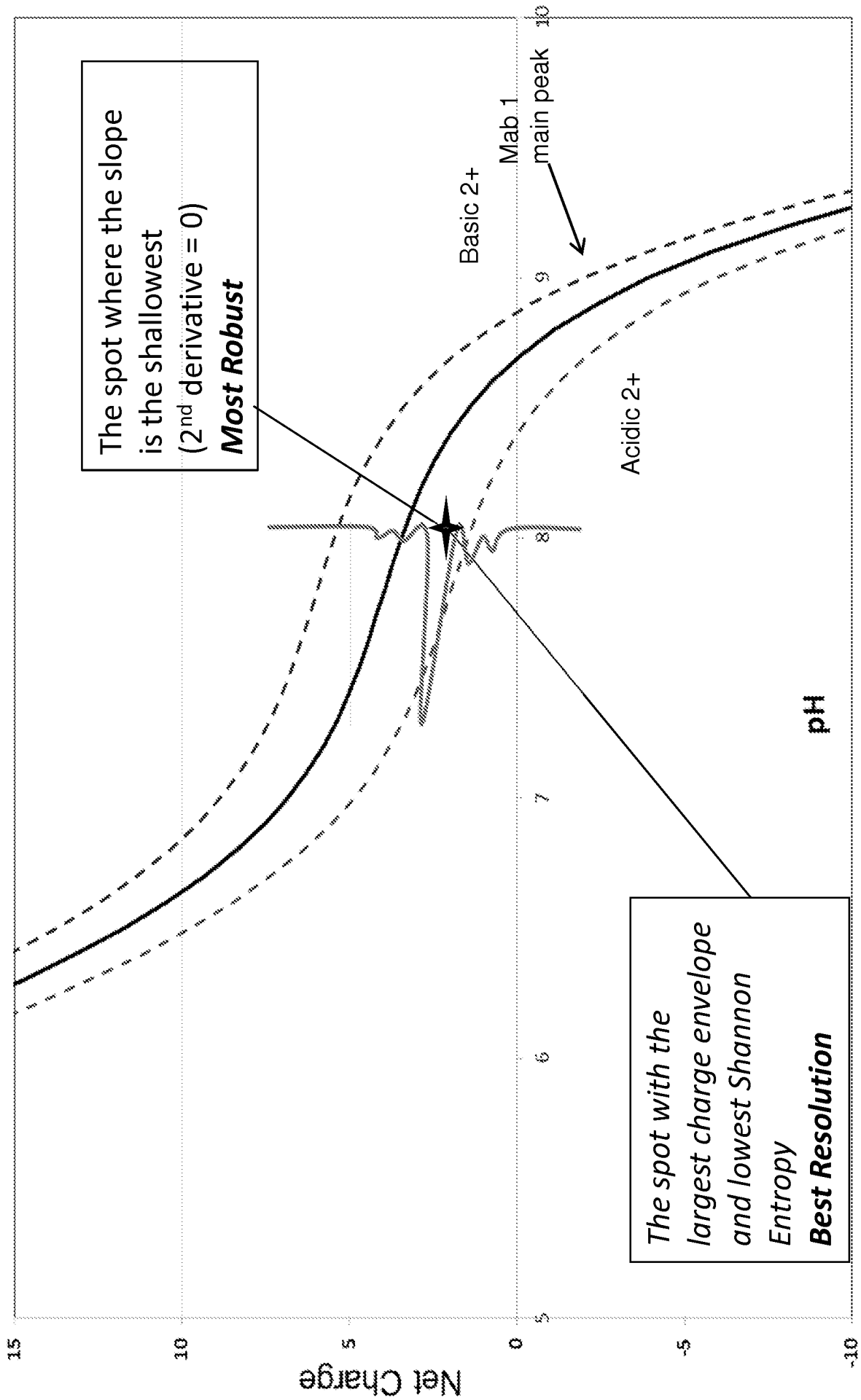
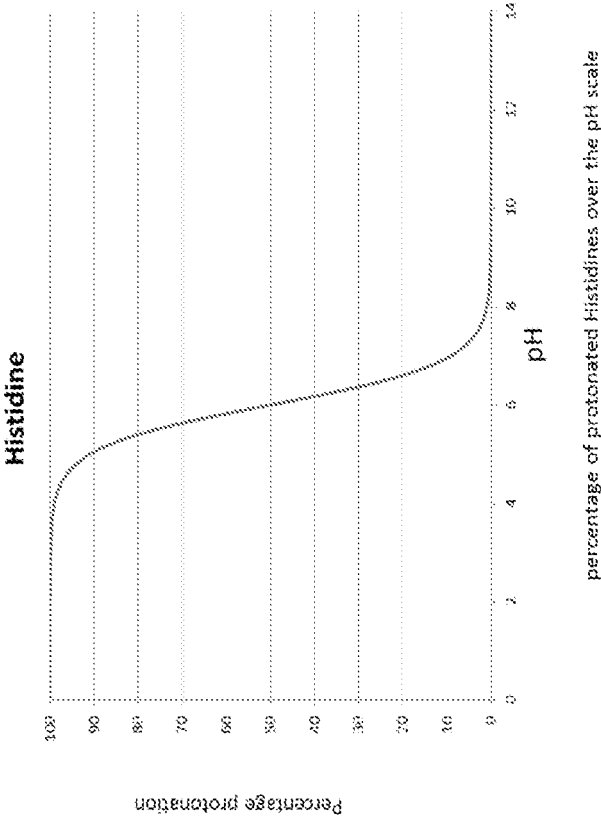
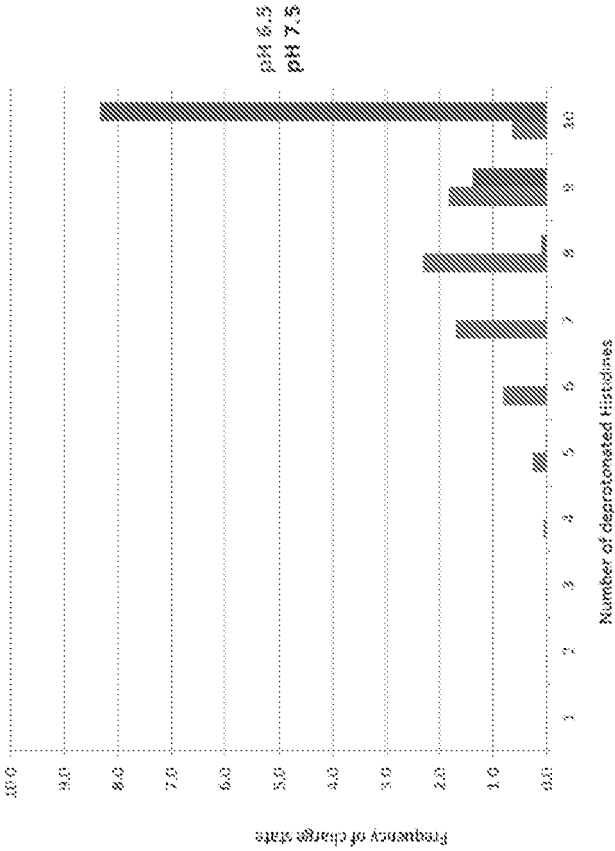


Fig. 2

A

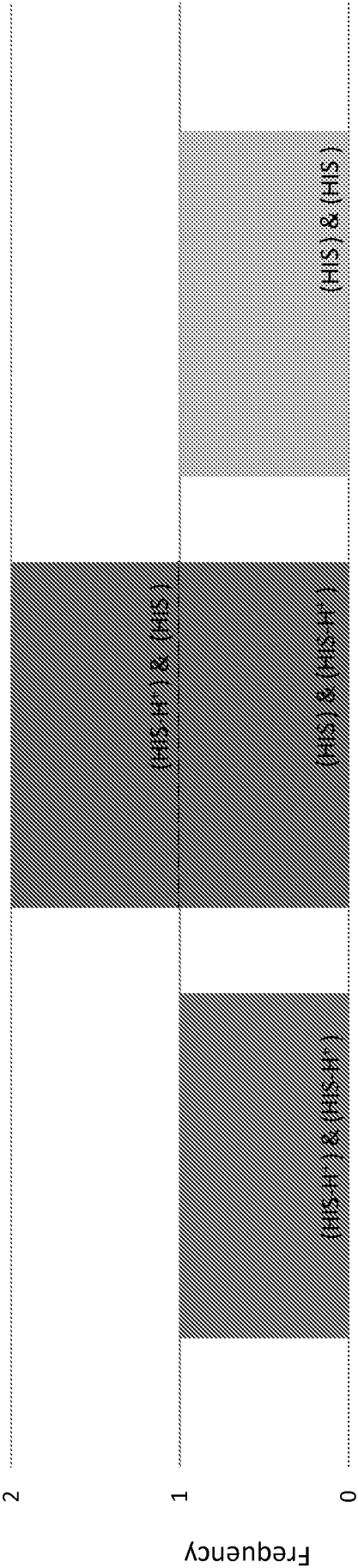


B



C

4 Pairs of Histidines at pH 6.0



1 pair with Histidines protonated    2 Pair; with 1 protonated and 1 unprotonated Histidine    1 Pair with both Histidines unprotonated

Fig. 3

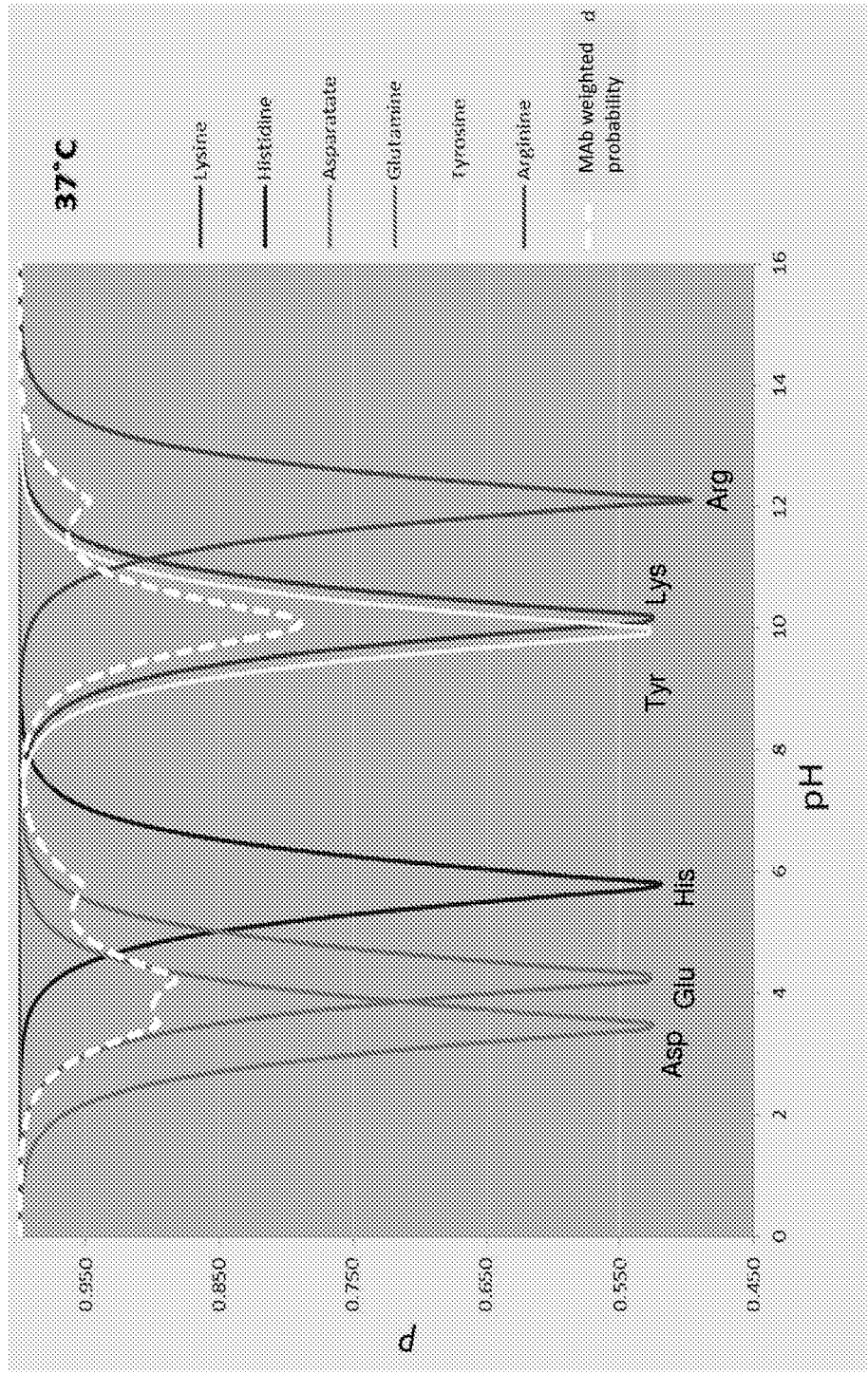
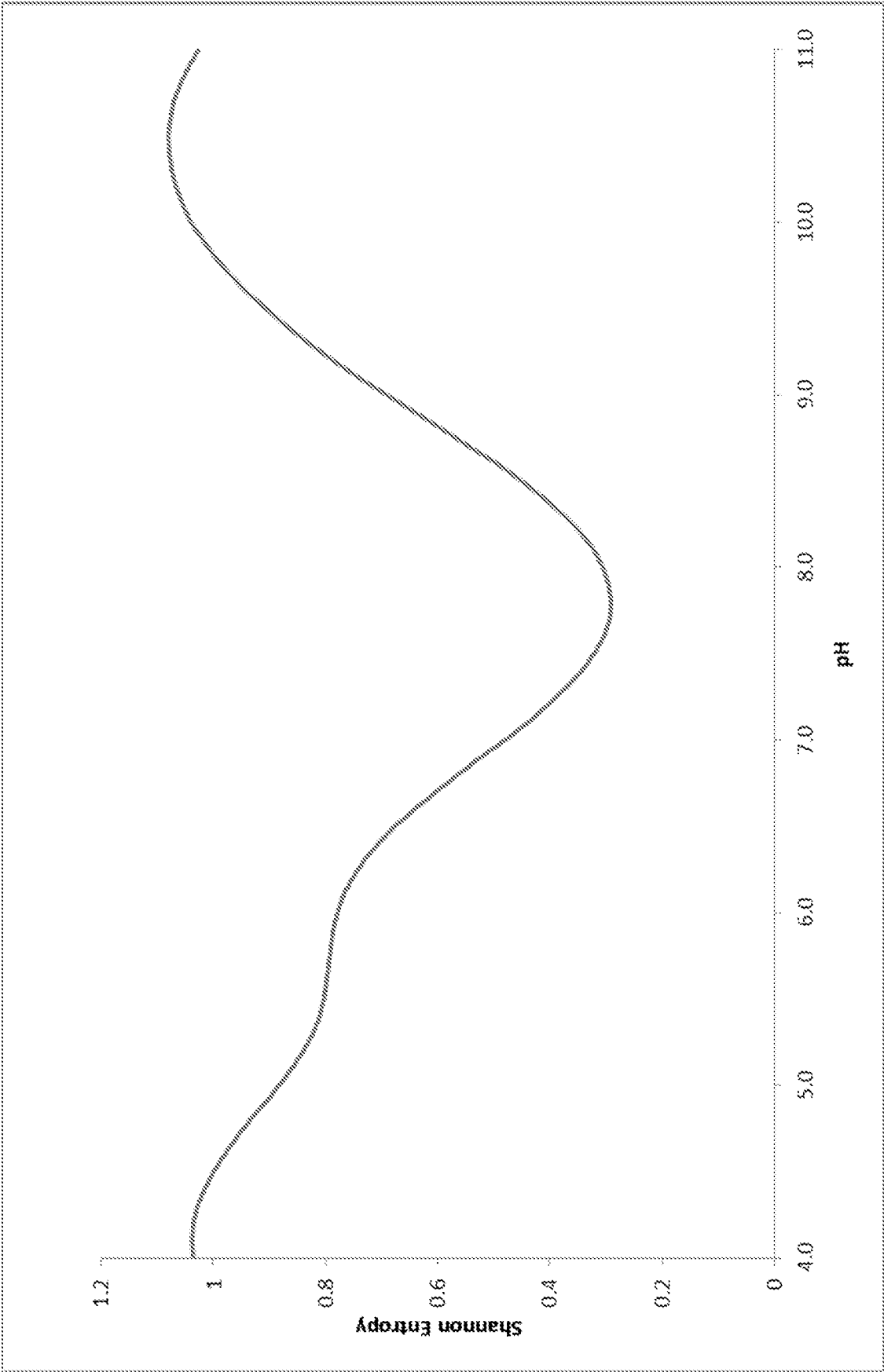


Fig. 4



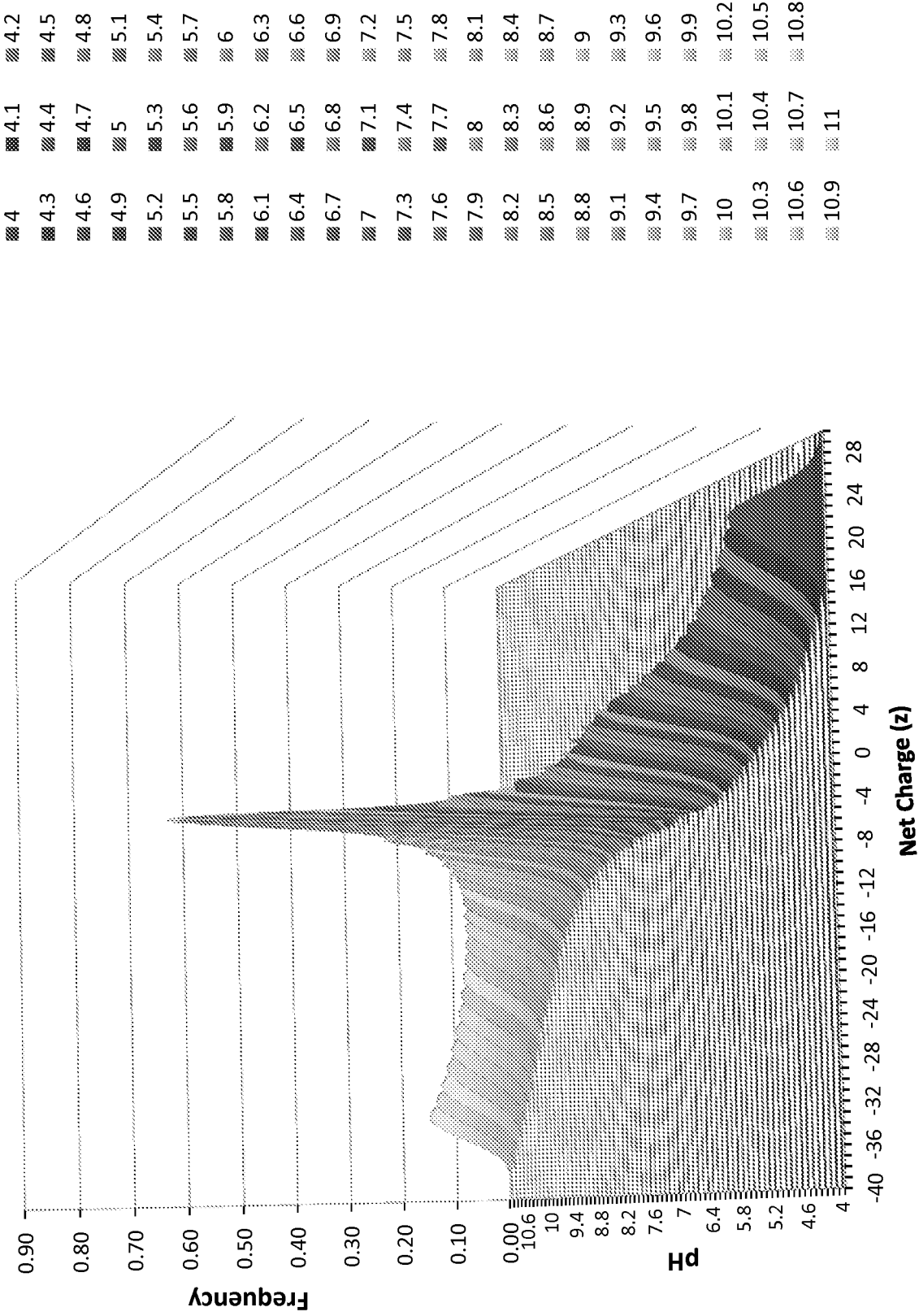


Fig. 5

Fig. 6

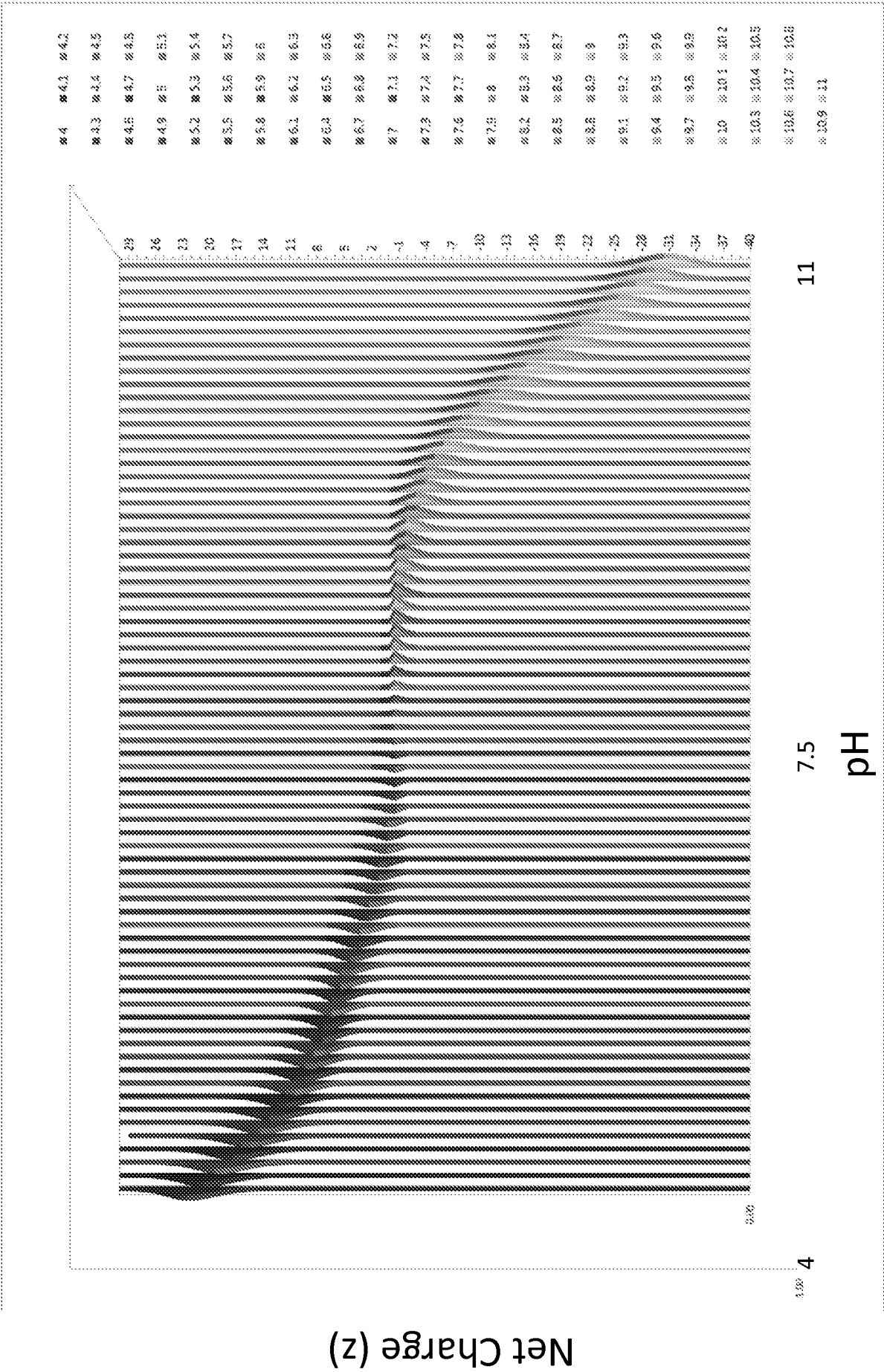
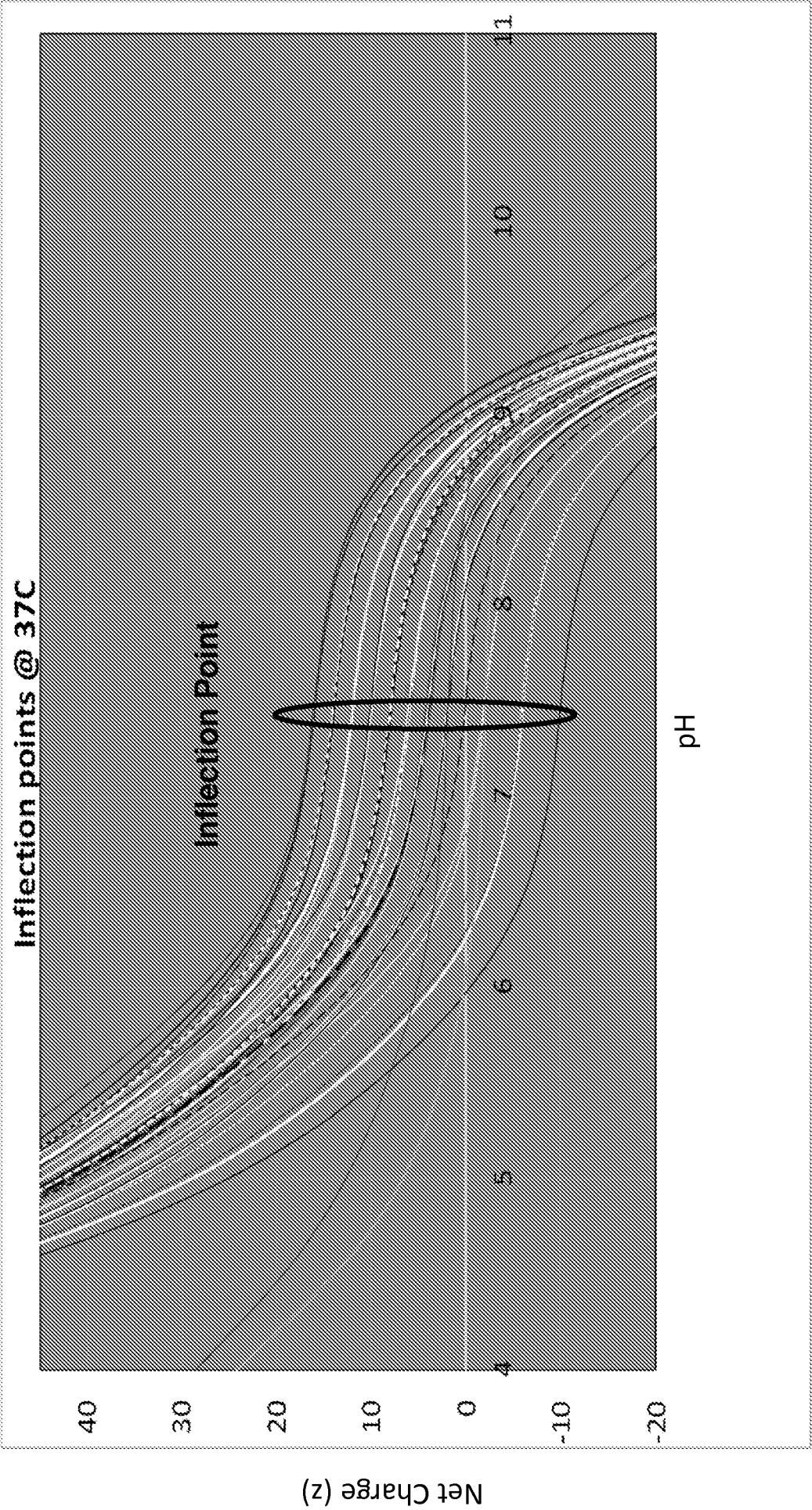


Fig. 7



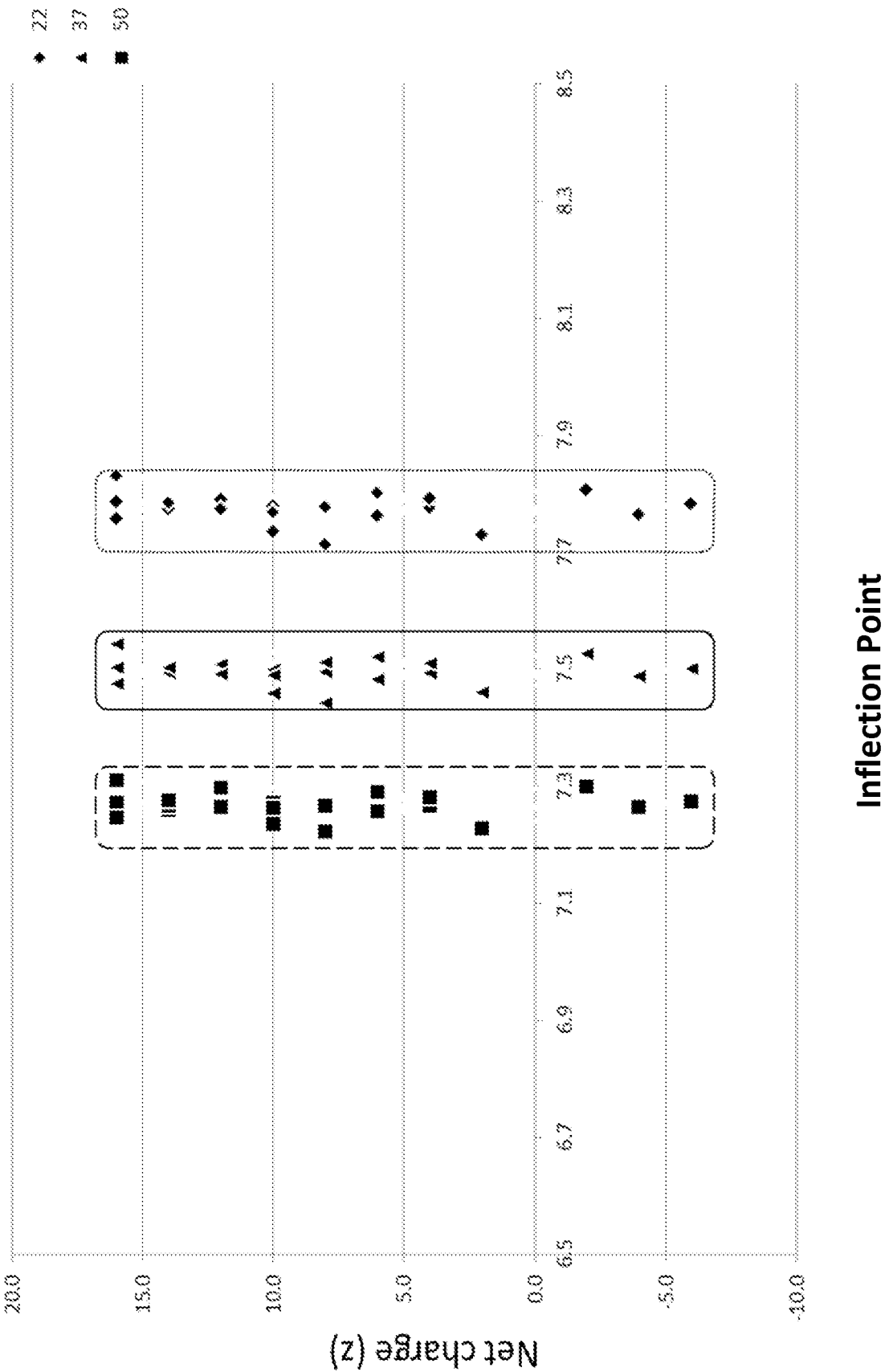


Fig. 8

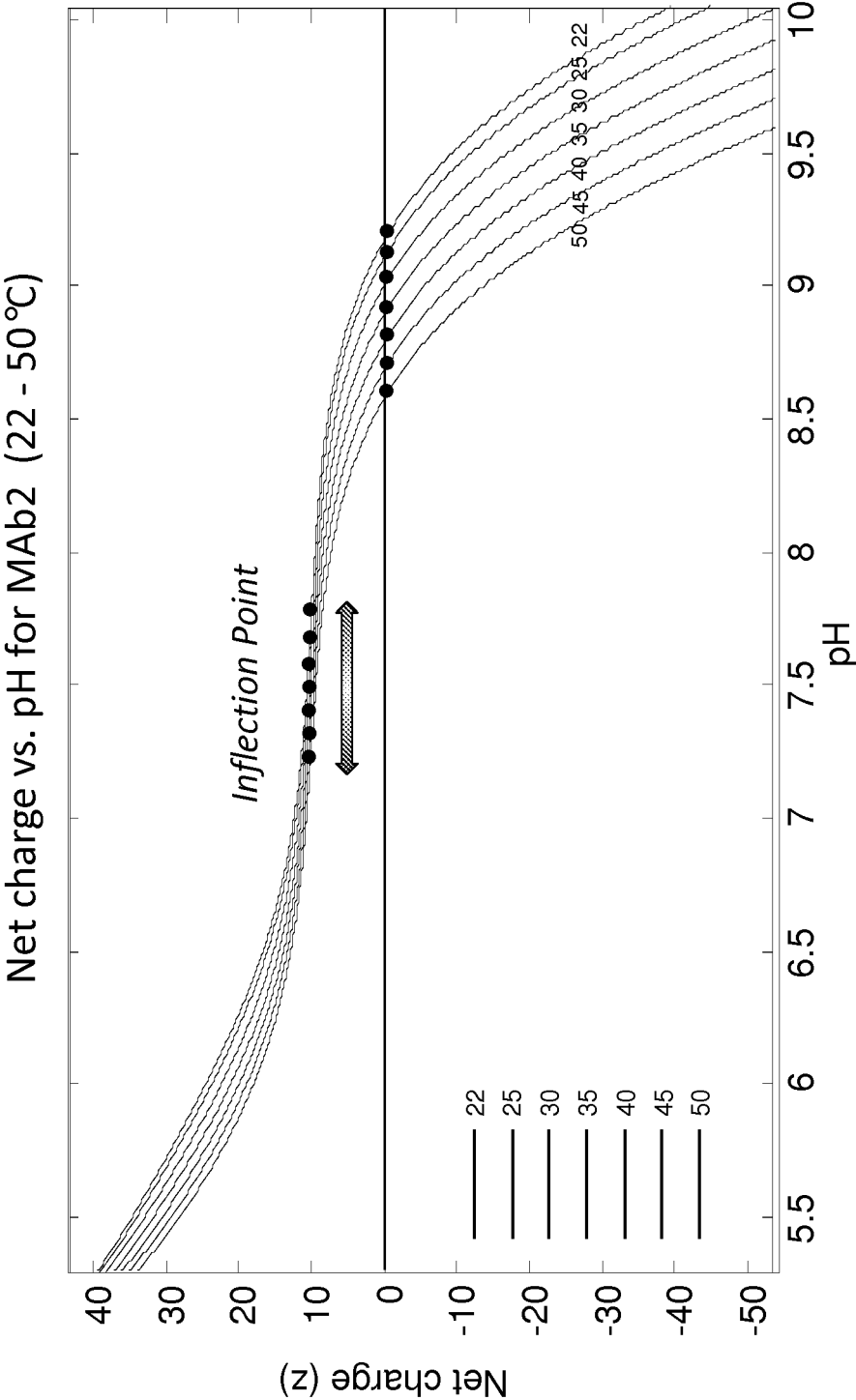


Fig. 9

Fig. 10A

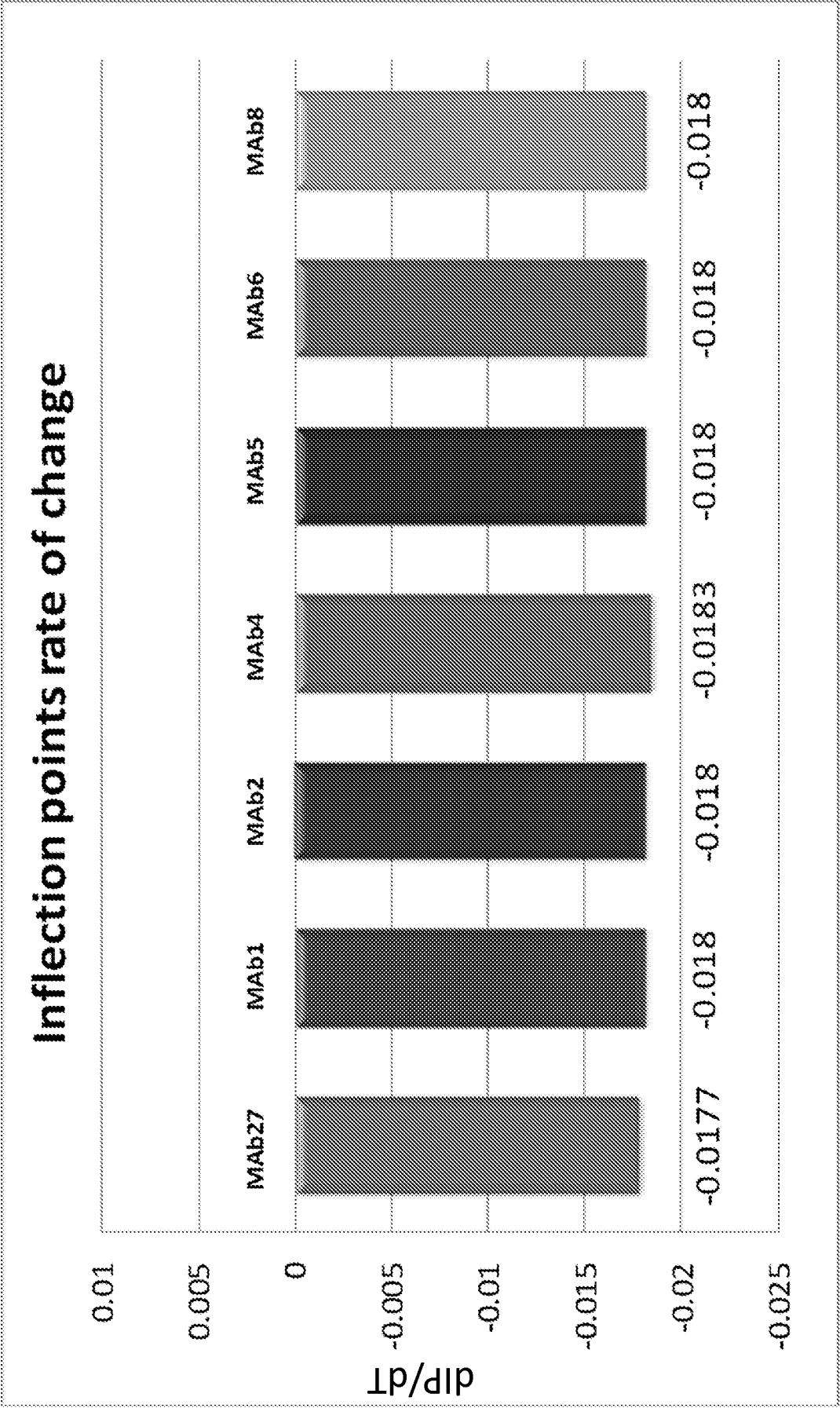


Fig. 10B

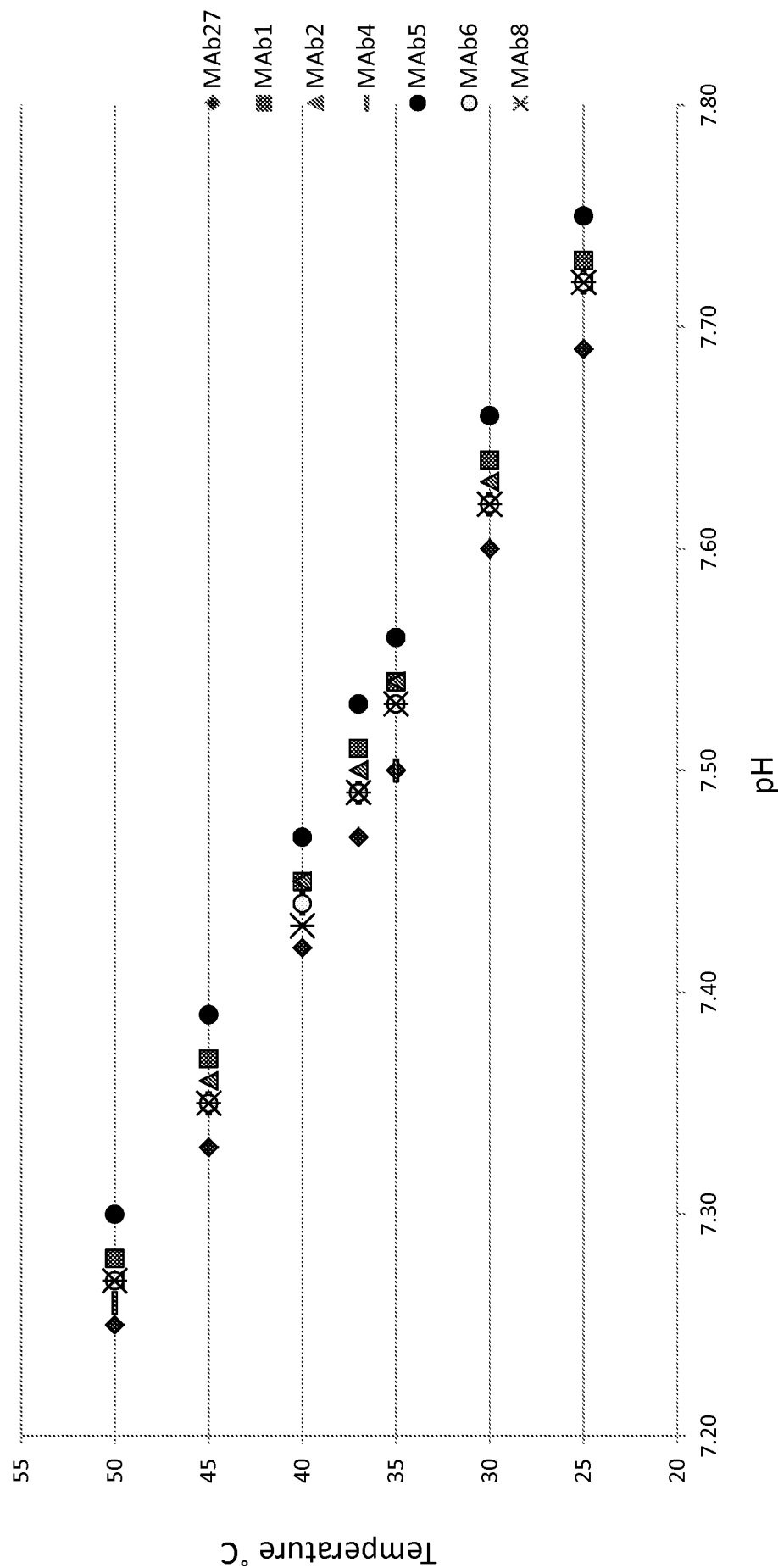


Fig. 11

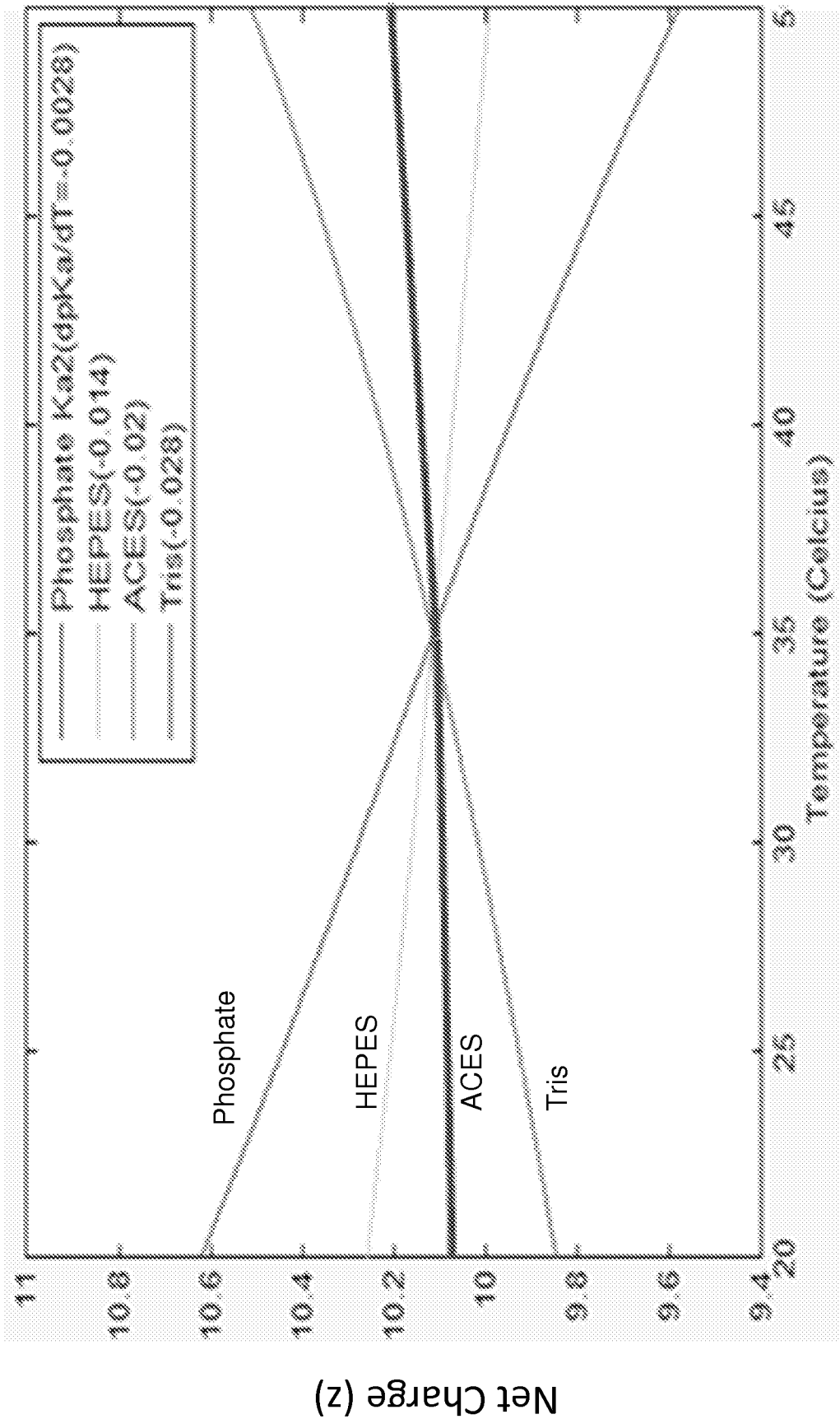


Fig. 12

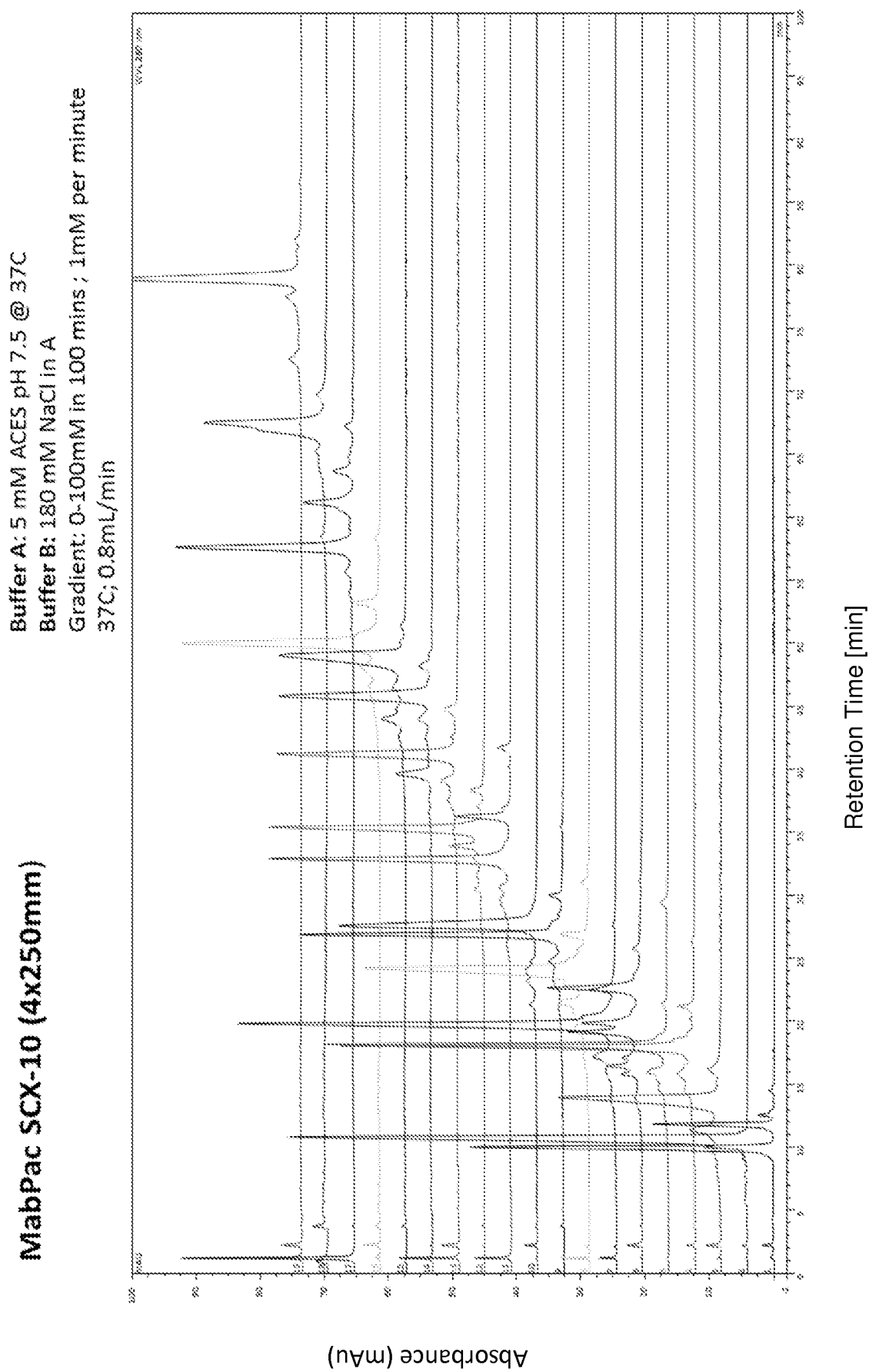


Fig. 13

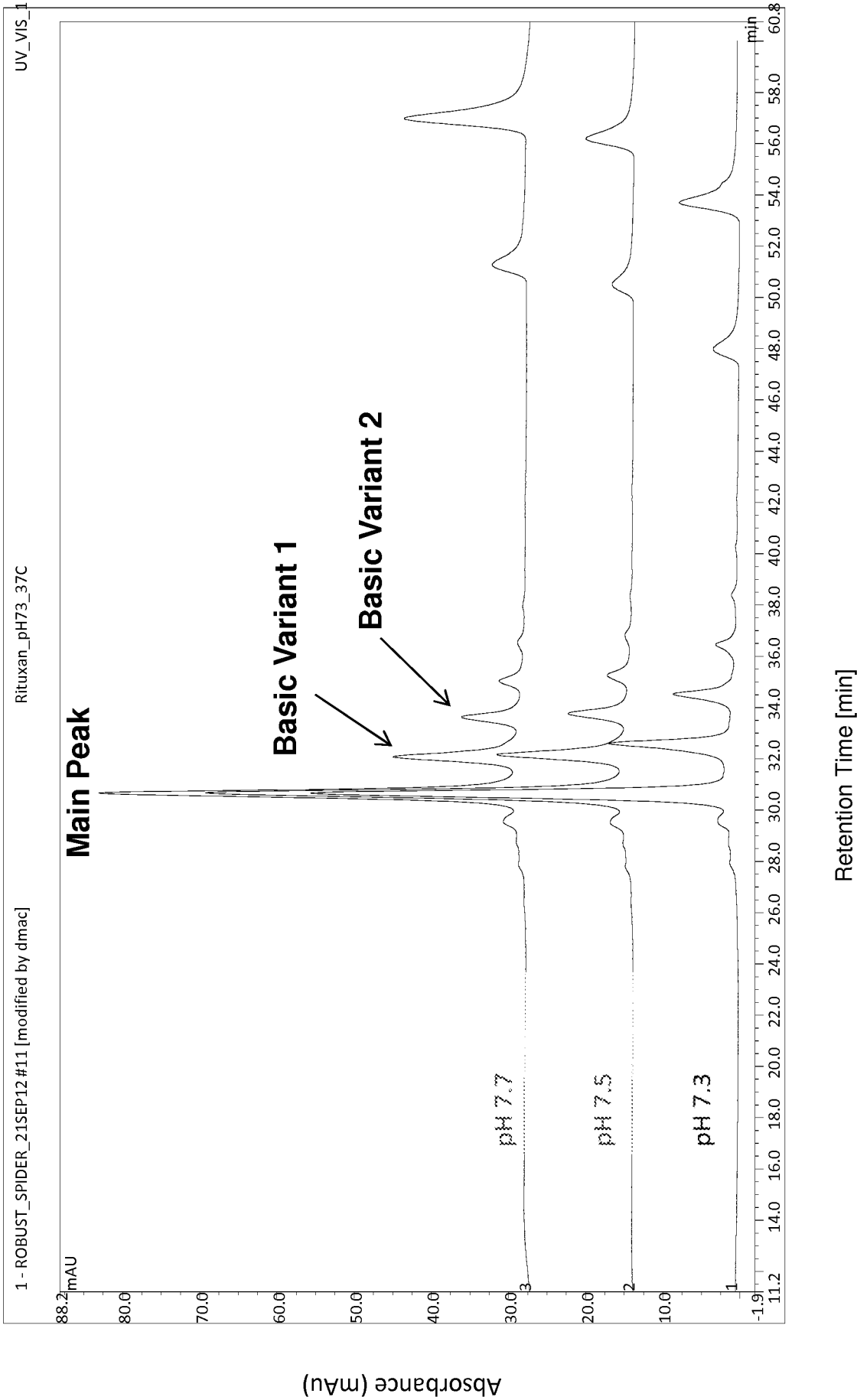


Fig. 14

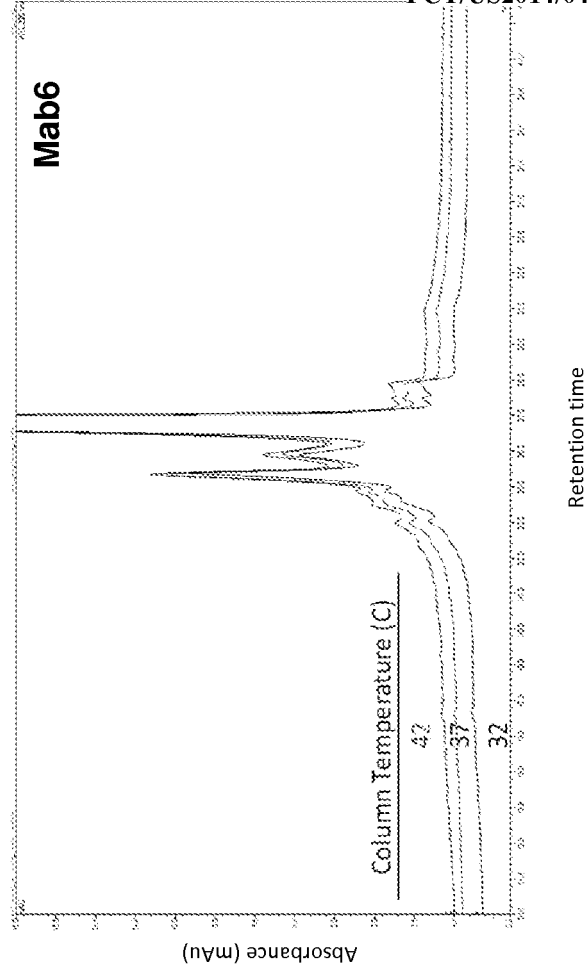
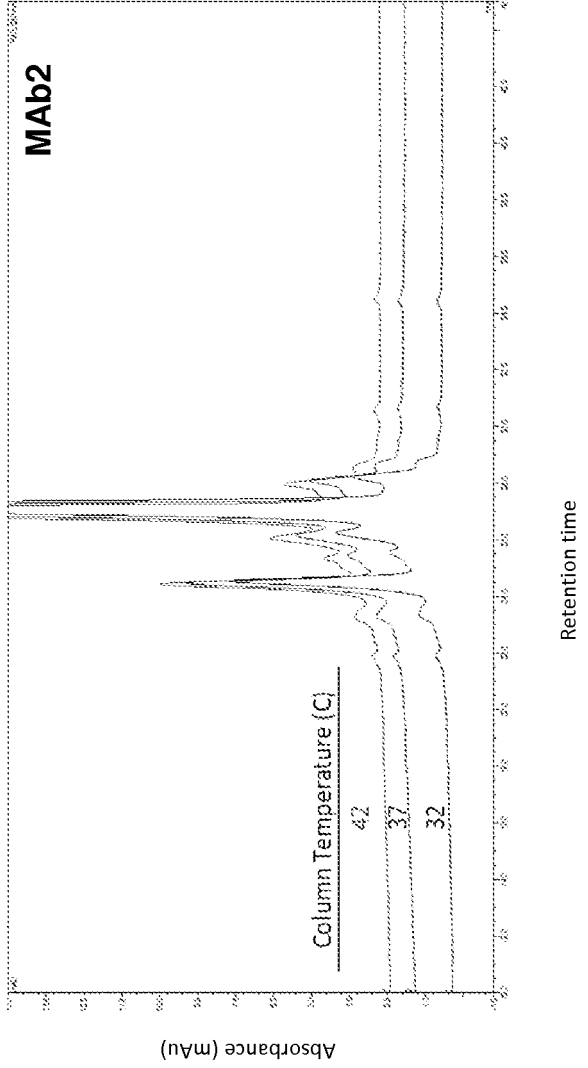
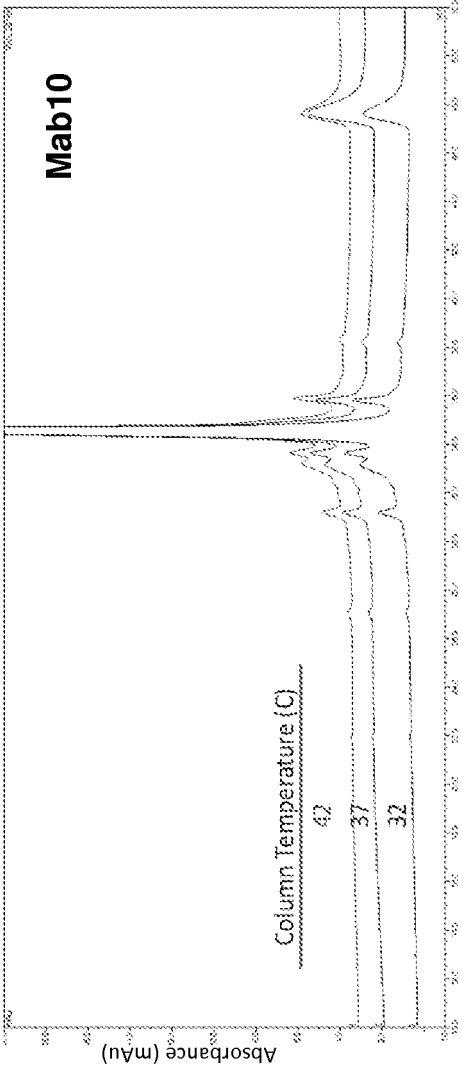


Fig. 15

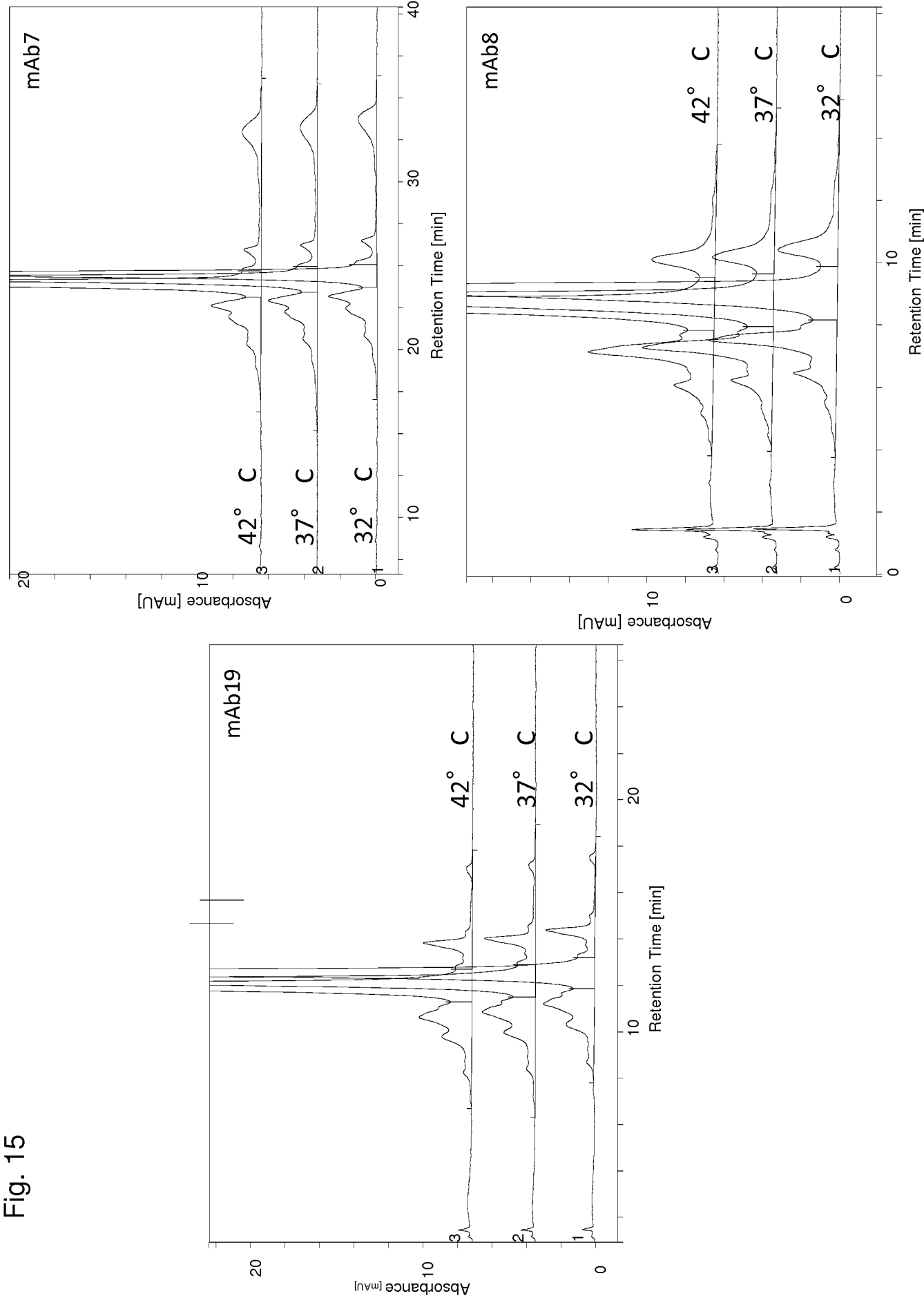


Fig. 16

Multi-product

Product specific method

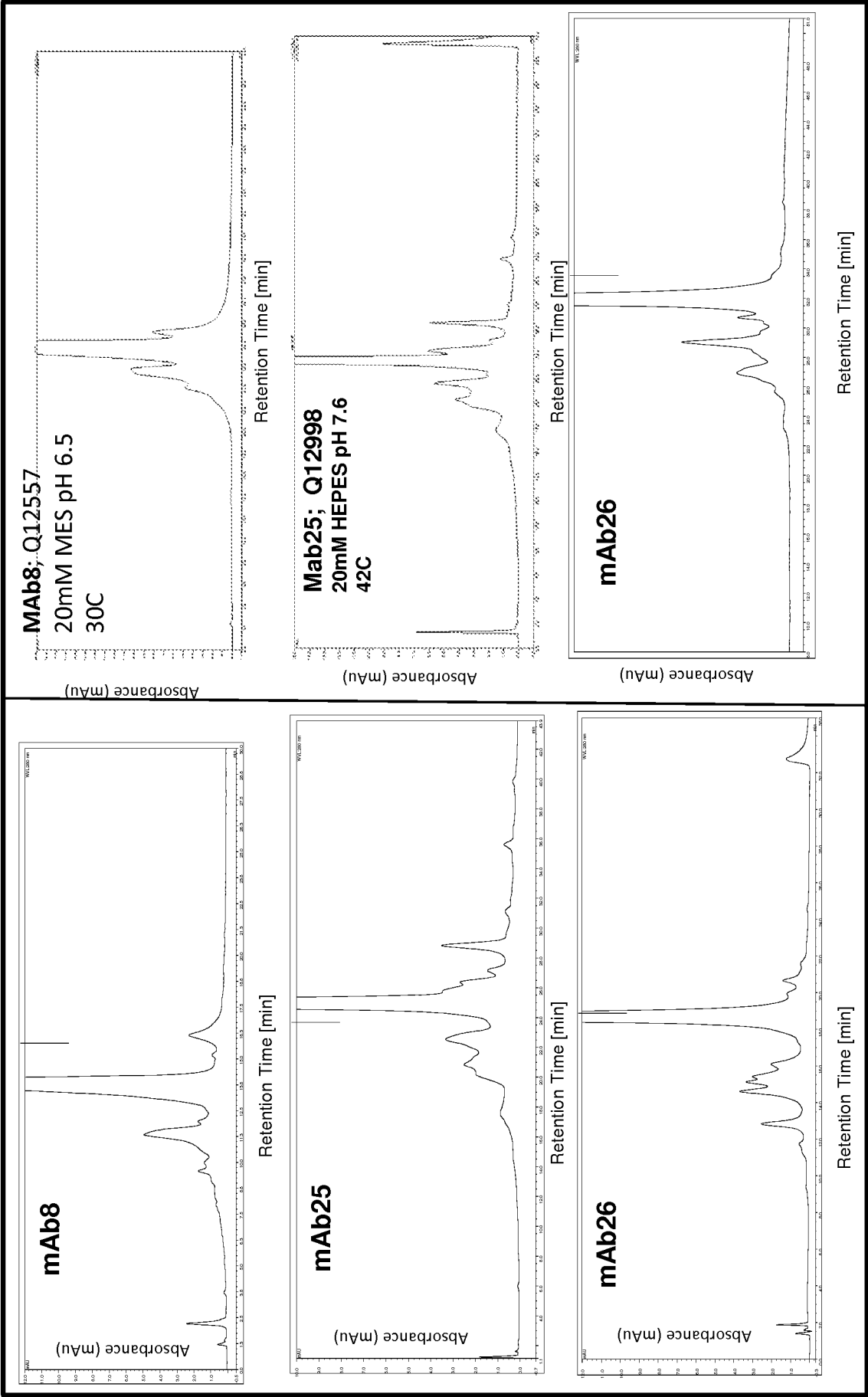


Fig. 17

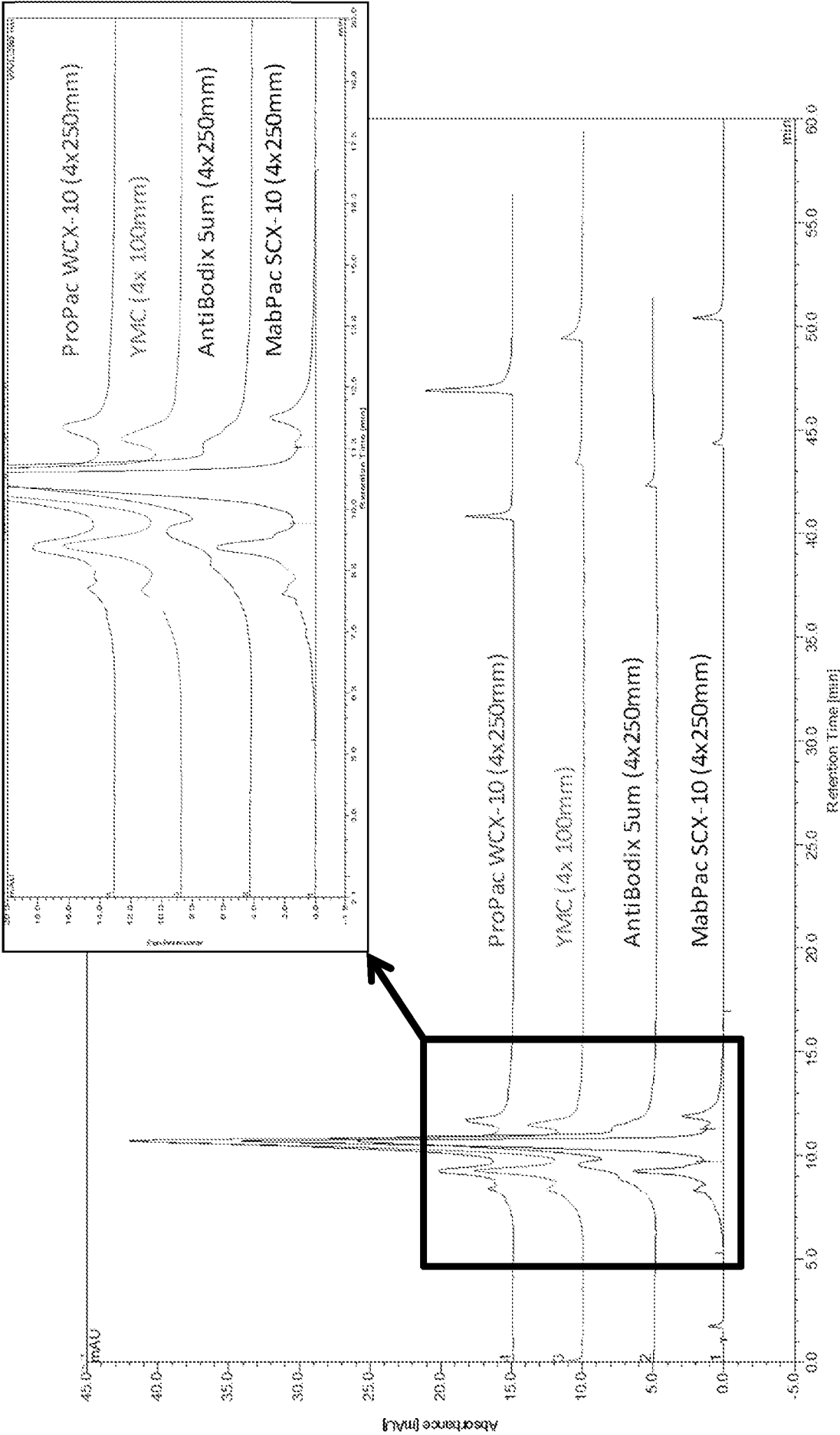


Fig. 18

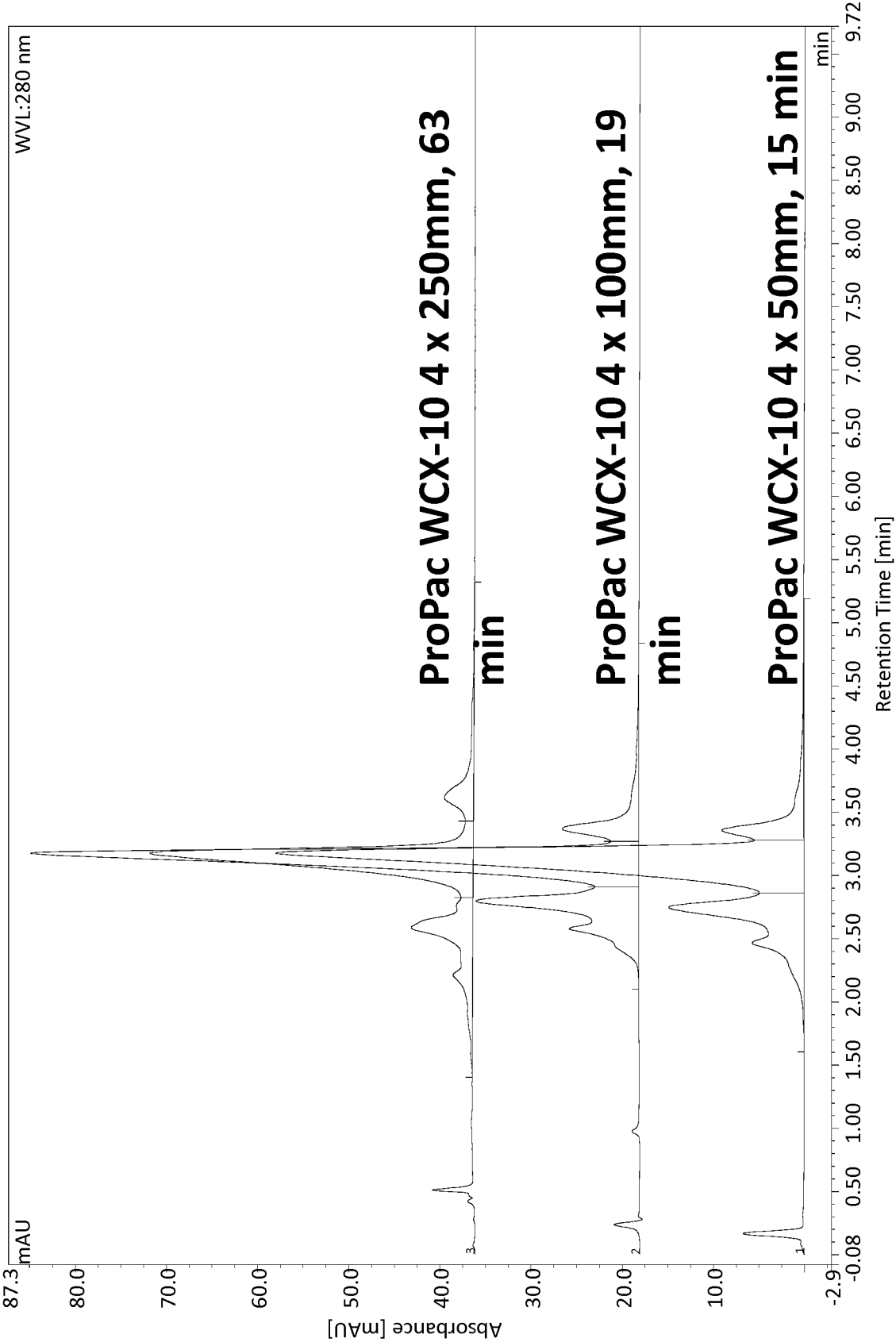


Fig. 19

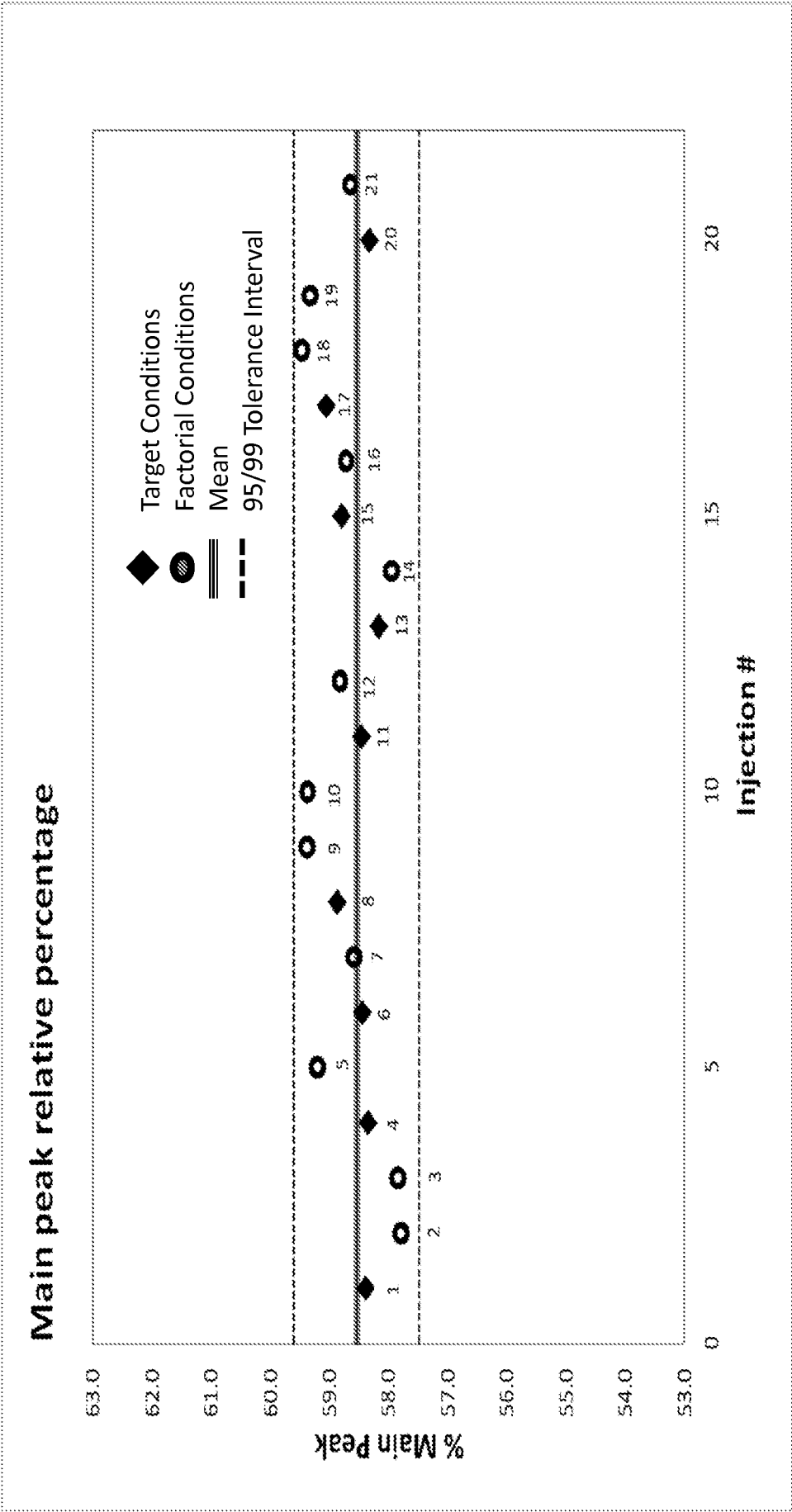
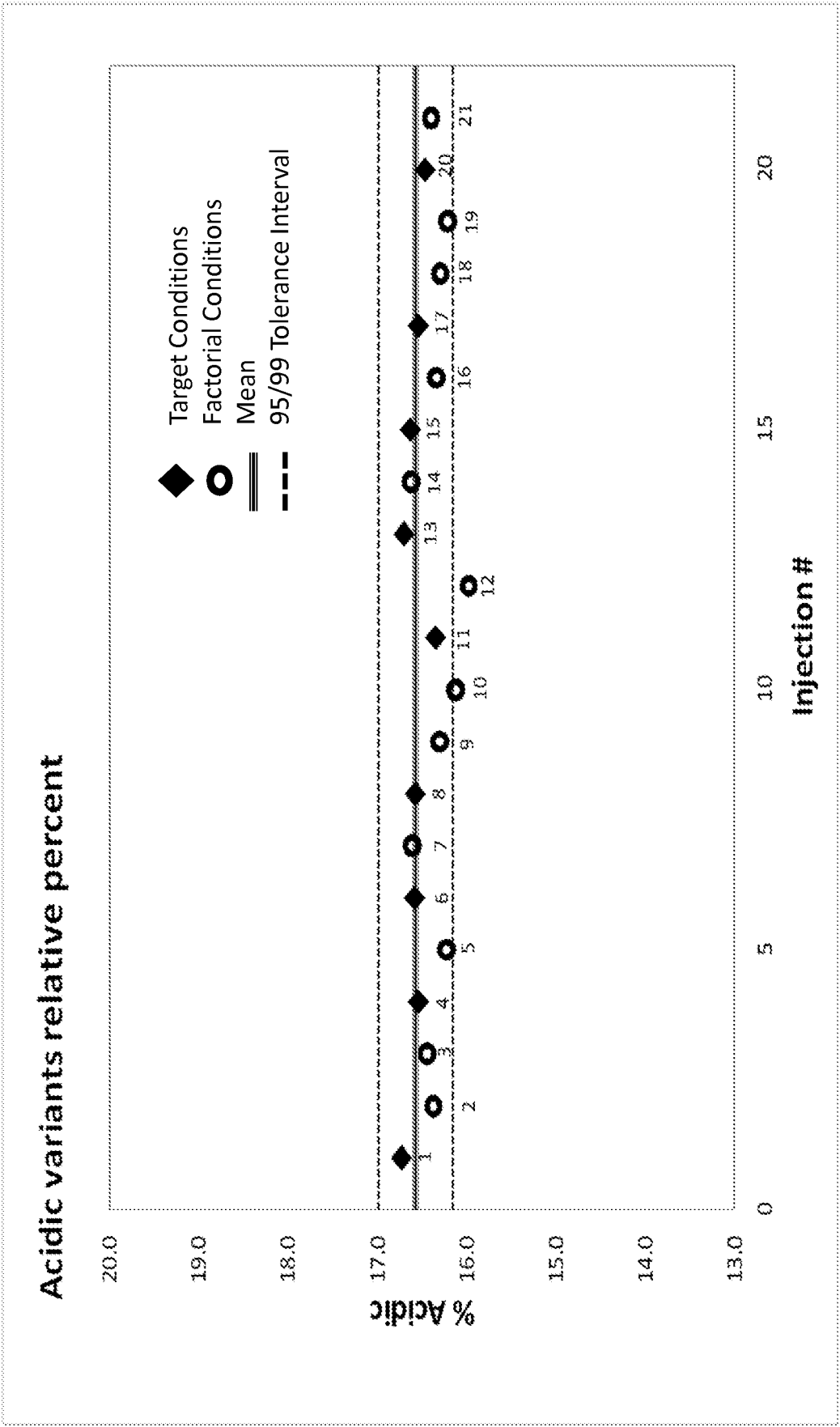


Fig. 20



Basic variants relative percent

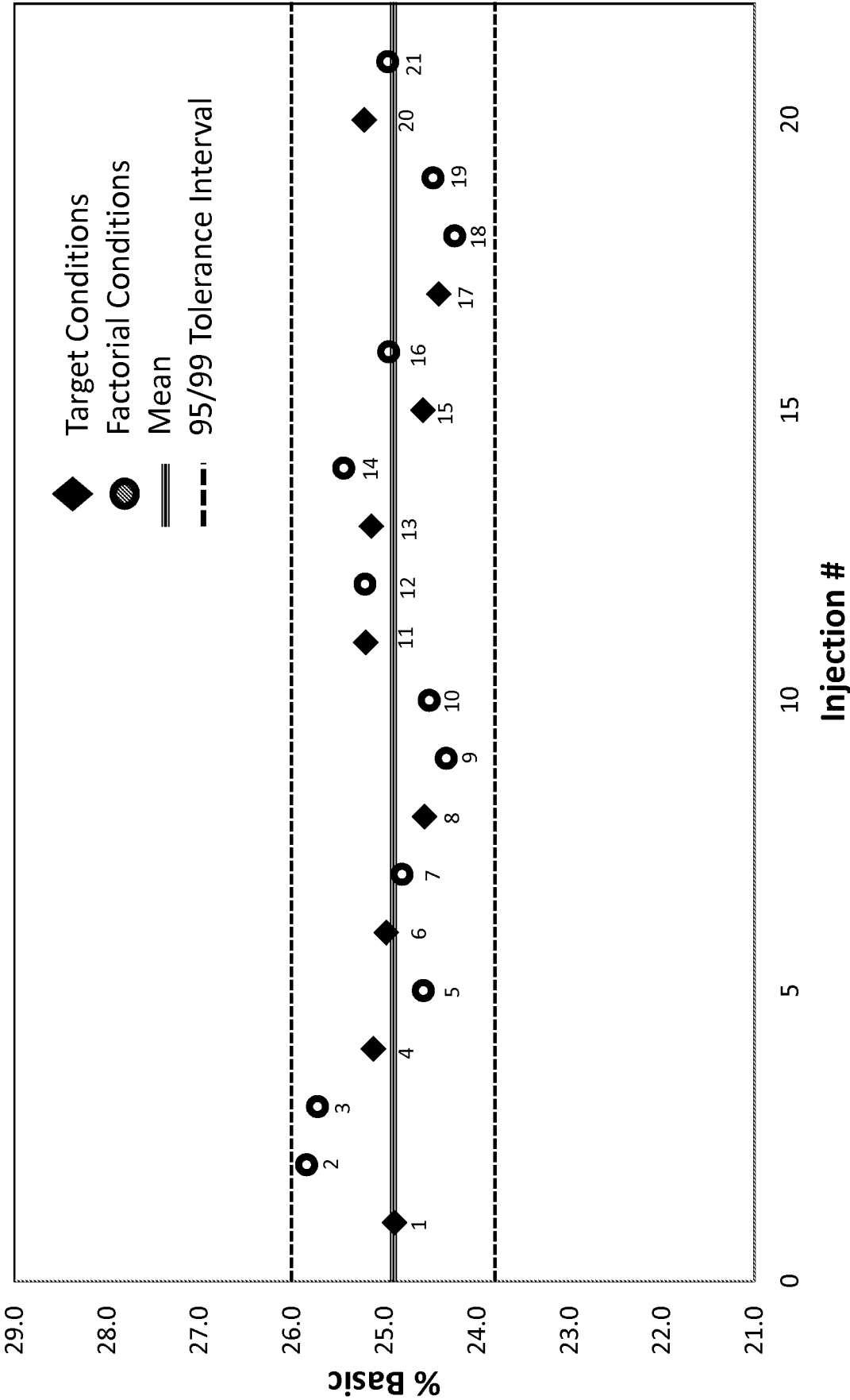


Fig. 21