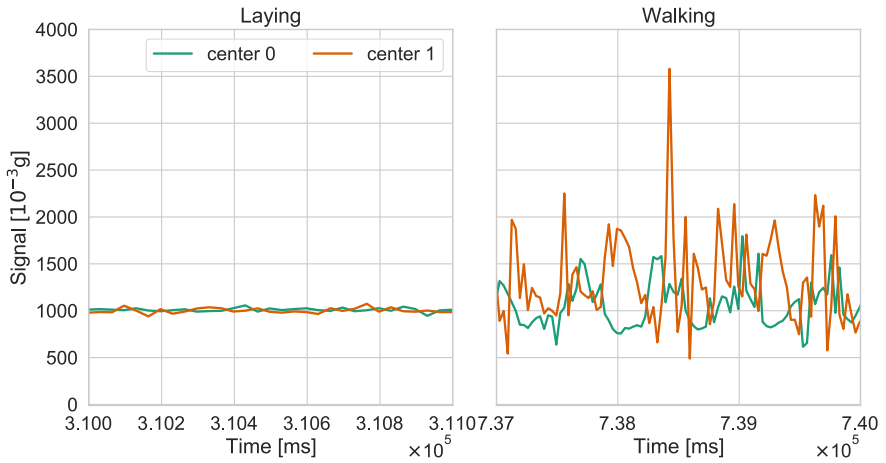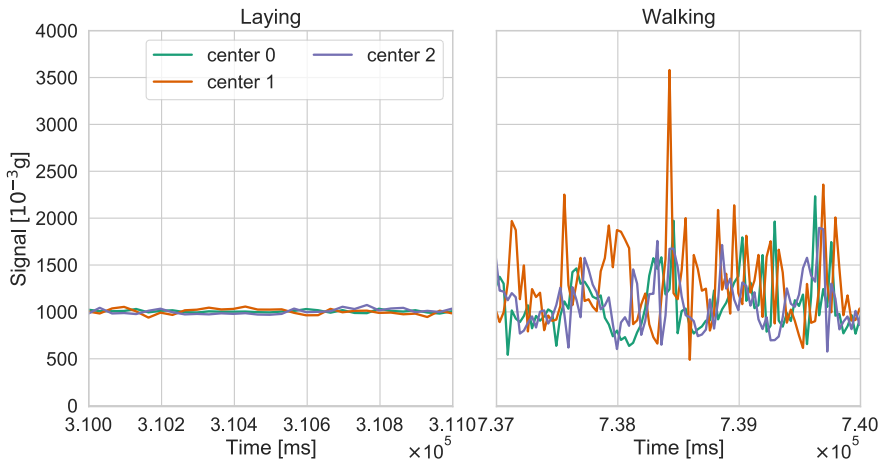**(a)** *Signal obtained with KMeans fixing 1 center.*

(b) *Signal obtained with KMeans fixing 2 centers.*

(c) *Signal obtained with KMeans fixing 3 centers.*

Figure 7: *Signals of the centers obtained applying KMeans on triaxial accelerometers for different numbers of clusters. Plots obtained for subject 1, run 1*