Table S1. Predicted CN using equation (1) with minimum and maximum error range, calculated using equation (2), for assumed estimation error equal to 8%.

Herbal waste	$CN_{+8\%}$	CN	$CN_{-8\%}$
Black cumin	44.78	48.36	52.57
Buckthorn	52.39	56.58	61.50
Chamomile	46.82	50.57	54.96
Chicory	41.87	45.22	49.15
Couch grass	44.18	47.72	51.87
Figure tea	35.76	38.62	41.97
Green tea	50.39	54.42	59.16
Hemp	50.17	54.19	58.90
Lemon balm	52.32	56.50	61.41
Nettle	49.11	53.04	57.65
Peppermint	50.31	54.33	59.05
Rye bran	35.69	38.55	41.91
Sage	51.87	56.02	60.89
Senna	56.62	61.15	66.46
St. John's wort	46.48	50.19	54.56
Tobacco	47.40	51.19	55.65

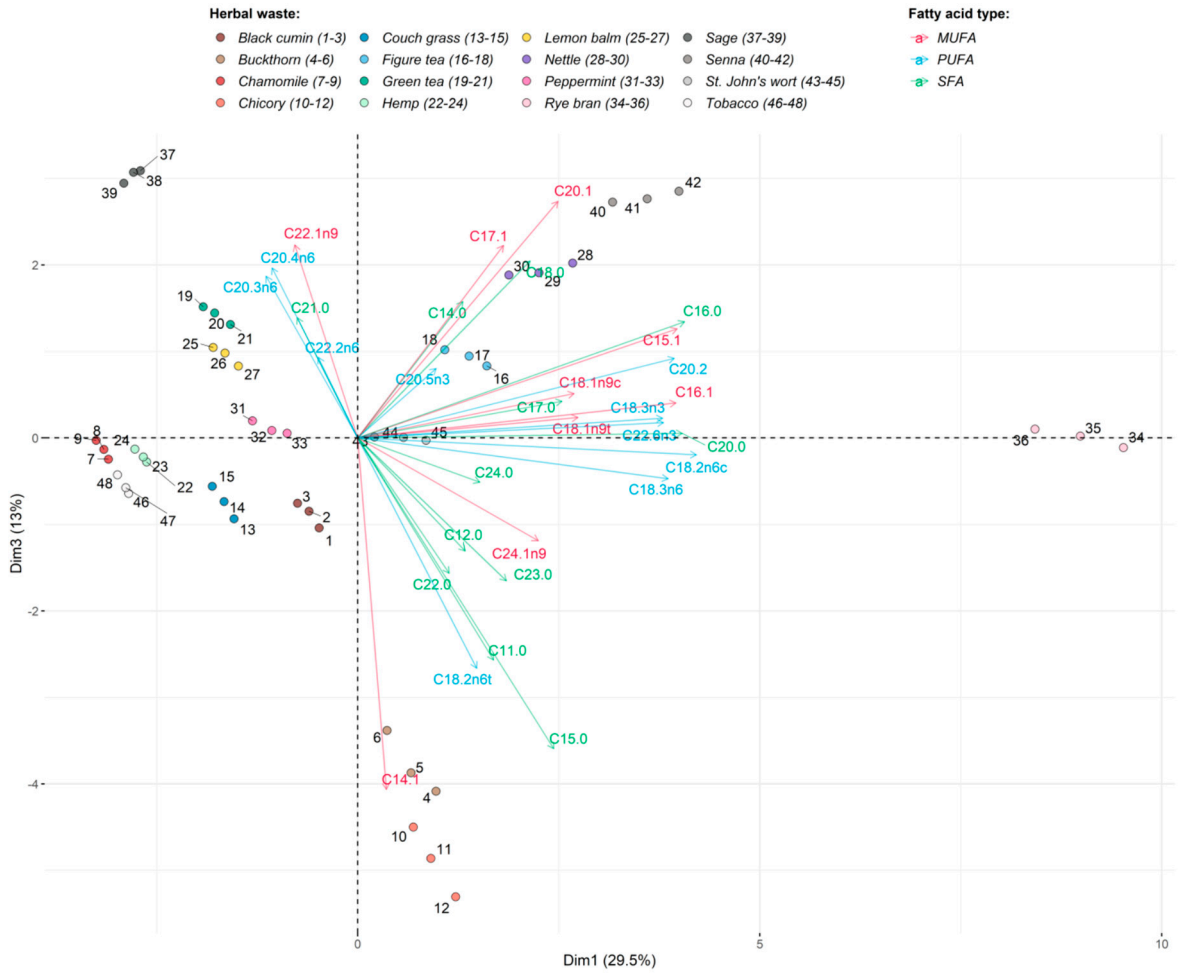

Figure S1. Biplot of fatty acids profile for each repetition of herbal wastes (n = 3), showing the first two dimensions (Dim1 and Dim3) of the principal component analysis (PCA) model that together explain about 42.59% of the variance. Biplot vectors (colored according to the type of fatty acid) indicate the strength and direction of factor loading for the first two factors. Individuals are colored by the herbal wastes (n = 16).

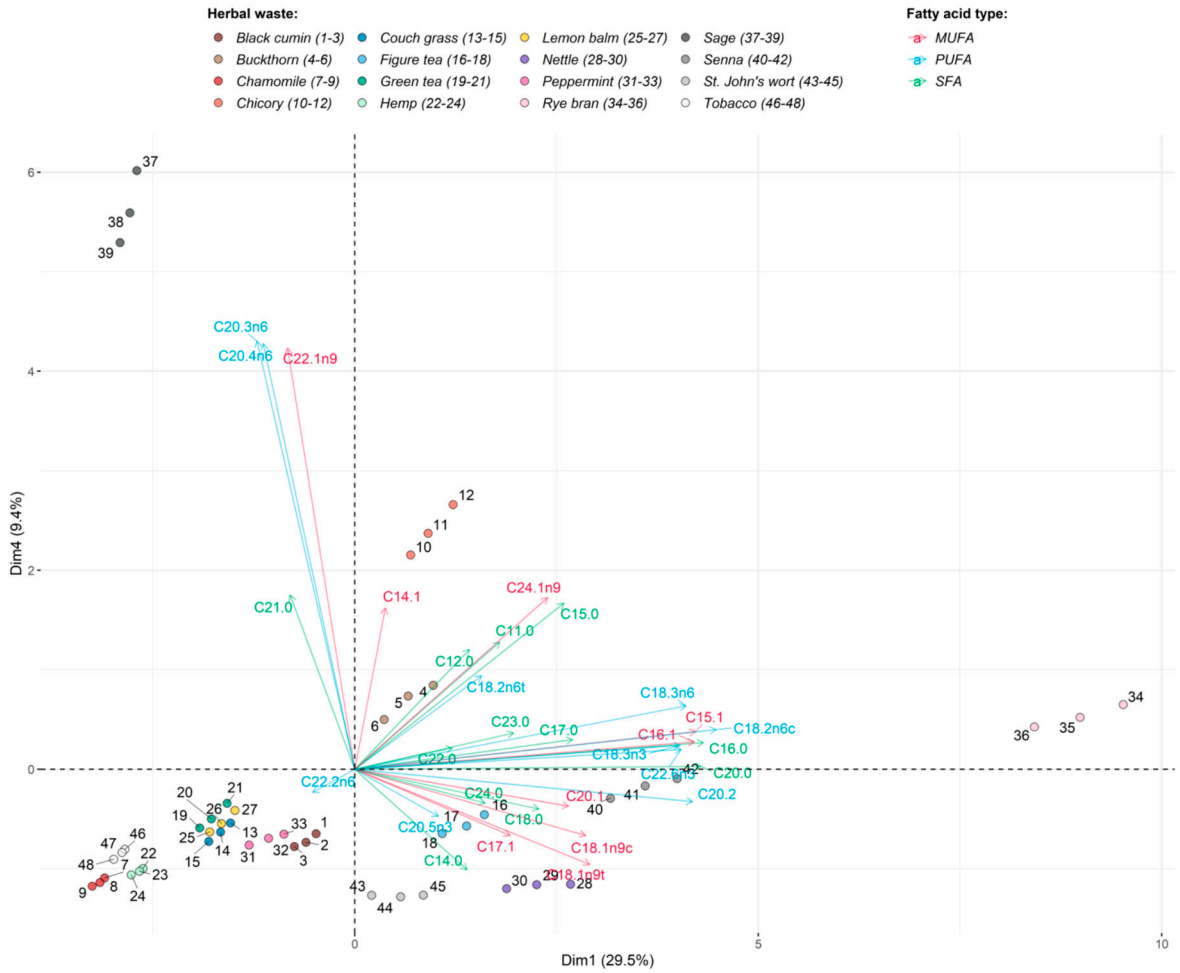

Figure S2. Biplot of fatty acids profile for each repetition of herbal wastes (n = 3), showing the first two dimensions (Dim1 and Dim4) of the principal component analysis (PCA) model that together explain about 38.97% of the variance. Biplot vectors (colored according to the type of fatty acid) indicate the strength and direction of factor loading for the first two factors. Individuals are colored by the herbal wastes (n = 16).

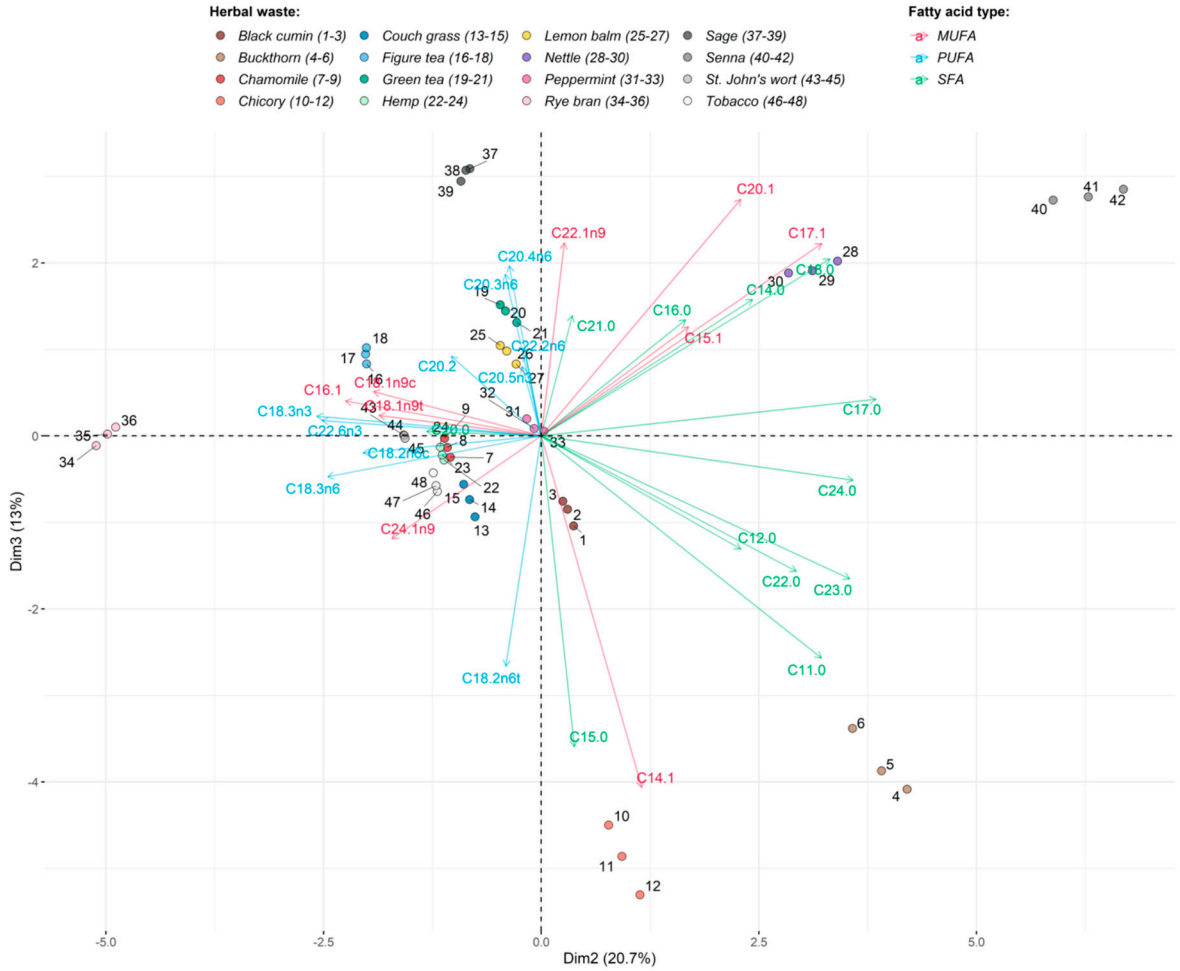

Figure S3. Biplot of fatty acids profile for each repetition of herbal wastes (n = 3), showing the first two dimensions (Dim2 and Dim3) of the principal component analysis (PCA) model that together explain about 33.77% of the variance. Biplot vectors (colored according to the type of fatty acid) indicate the strength and direction of factor loading for the first two factors. Individuals are colored by the herbal wastes (n = 16).

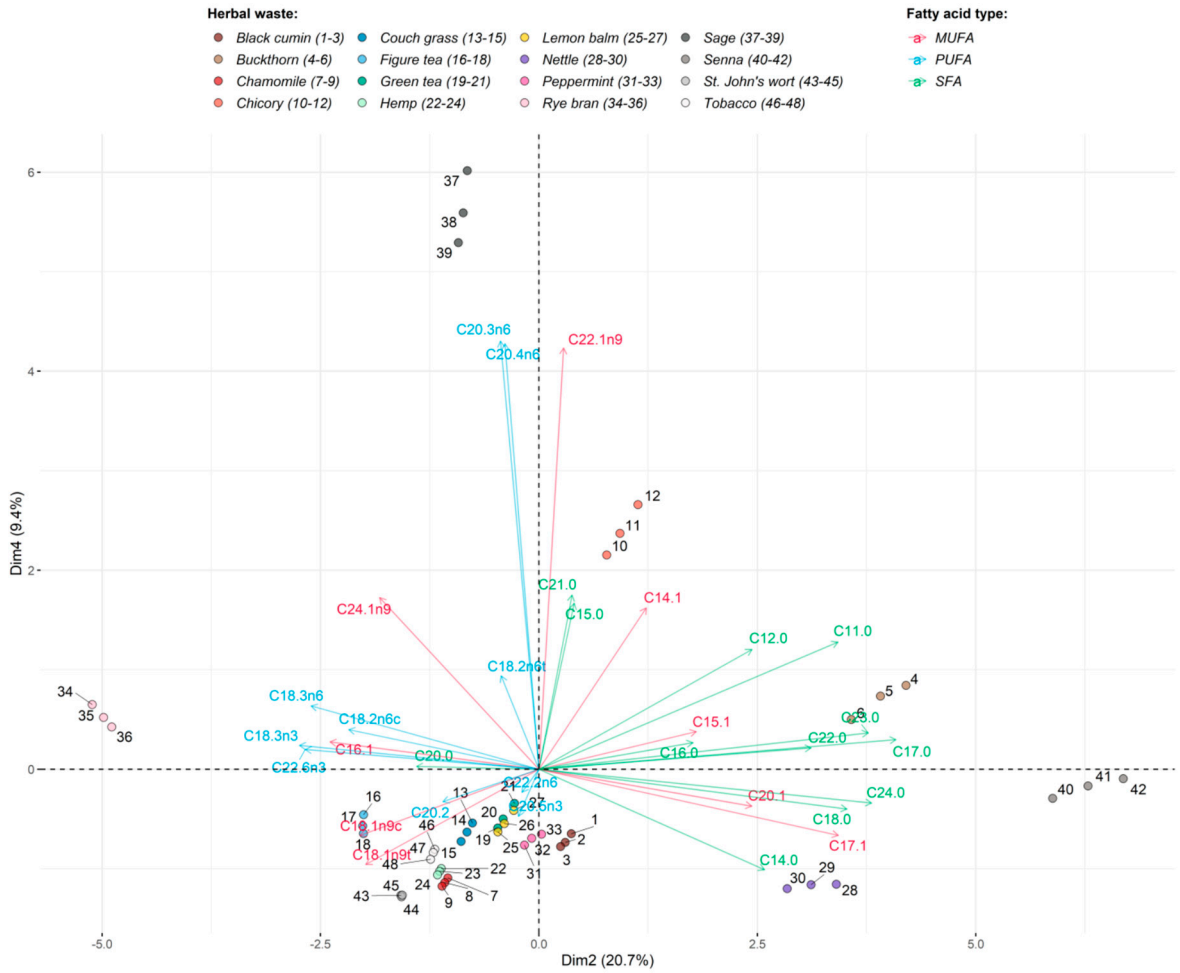

Figure S4. Biplot of fatty acids profile for each repetition of herbal wastes (n = 3), showing the first two dimensions (Dim2 and Dim4) of the principal component analysis (PCA) model that together explain about 30.16% of the variance. Biplot vectors (colored according to the type of fatty acid) indicate the strength and direction of factor loading for the first two factors. Individuals are colored by the herbal wastes (n = 16).

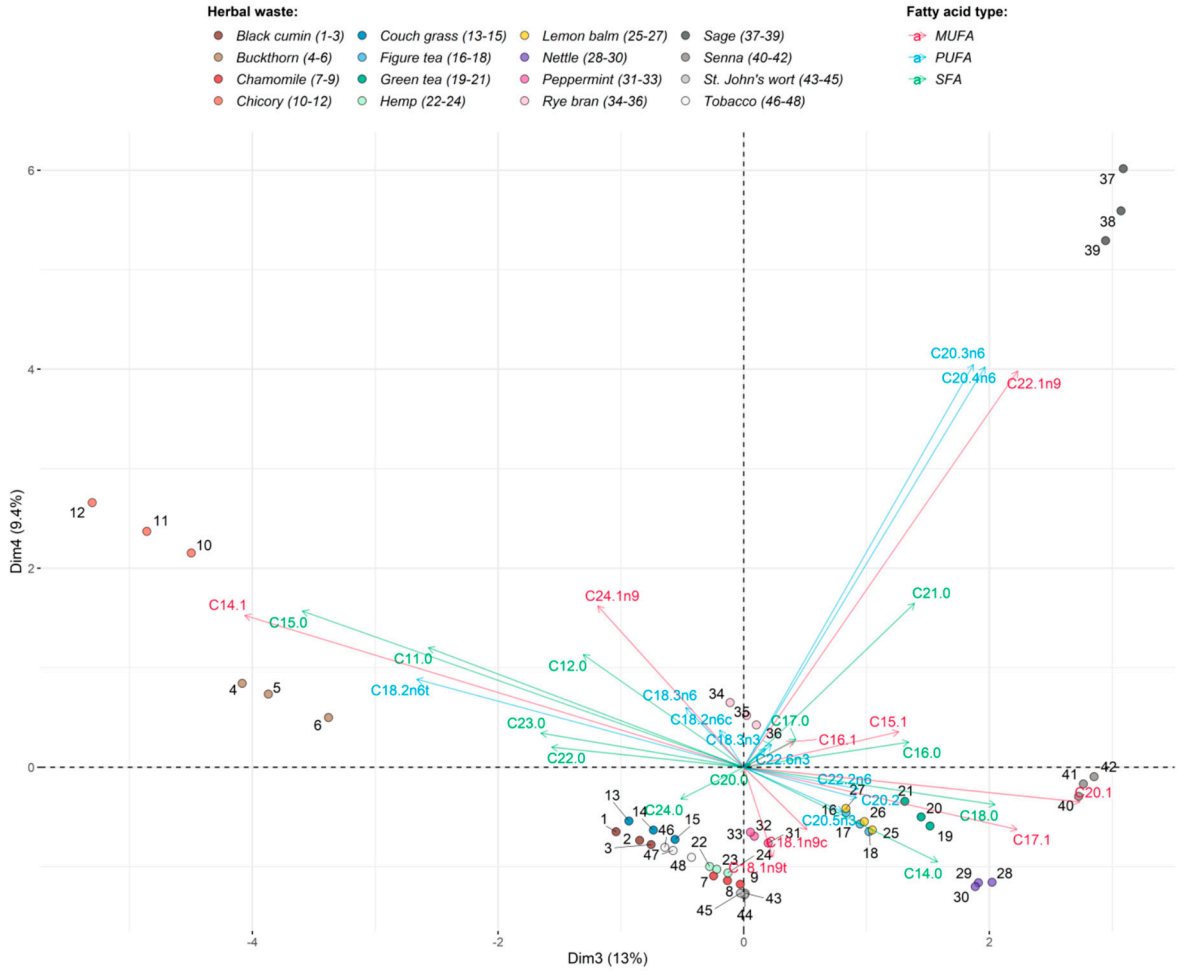

Figure S5. Biplot of fatty acids profile for each repetition of herbal wastes (n = 3), showing the first two dimensions (Dim3 and Dim4) of the principal component analysis (PCA) model that together explain about 22.47% of the variance. Biplot vectors (colored according to the type of fatty acid) indicate the strength and direction of factor loading for the first two factors. Individuals are colored by the herbal wastes (n = 16).