

Sample 1 – *E. hirsutum* leaves (EtOH 50%)

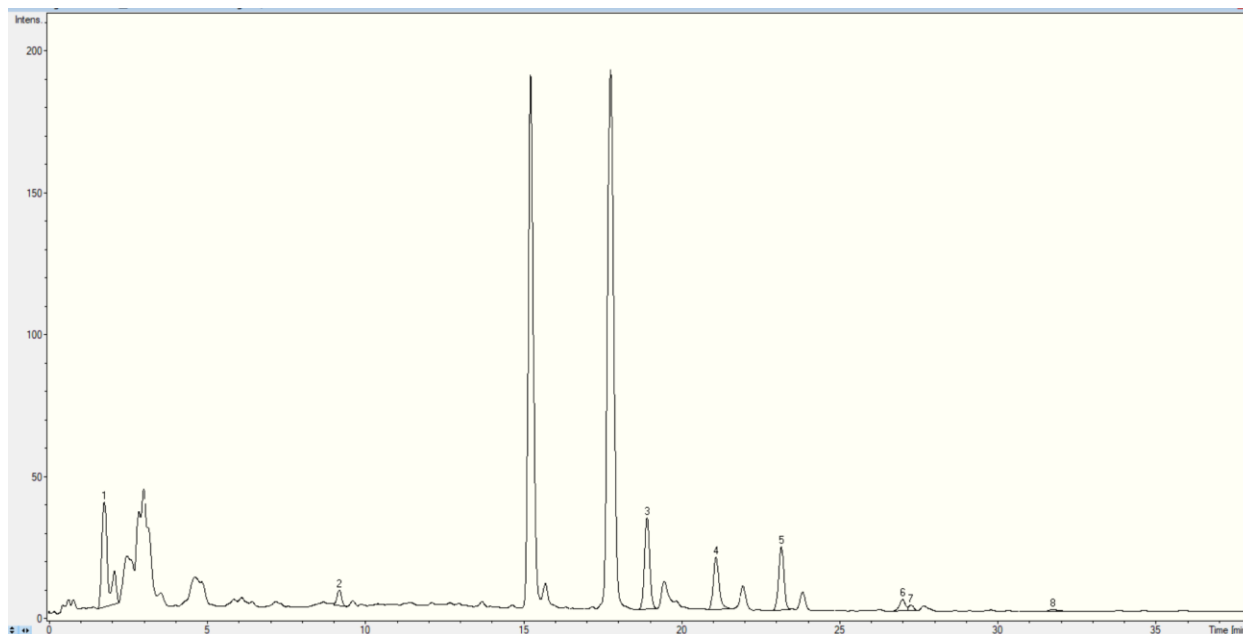


Figure S1 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- *p*-coumaric acid; 3- hyperoside; 4- myricetin; 5- quercitrin; 6- quercetol; 7- kaempferol-3-rhamnoside; 8- kaempferol.

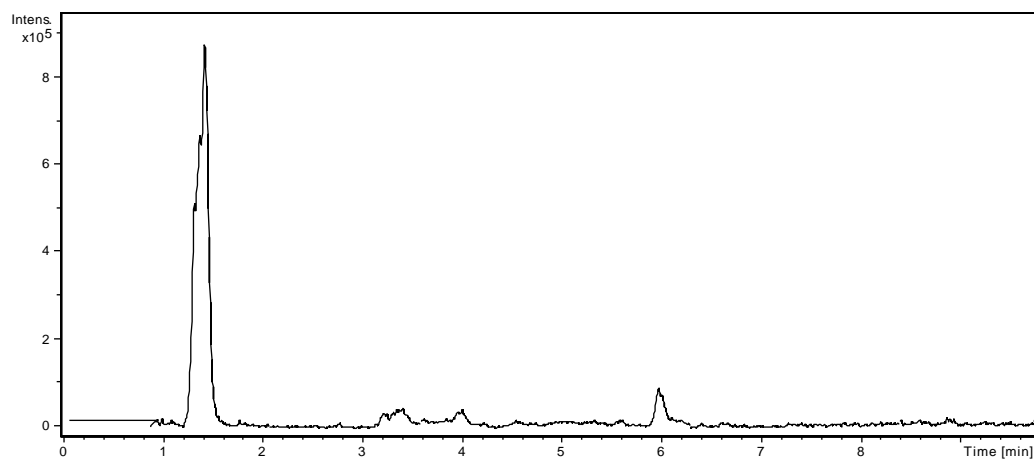


Figure S1 (B): The total ion chromatogram (TIC) for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanilic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

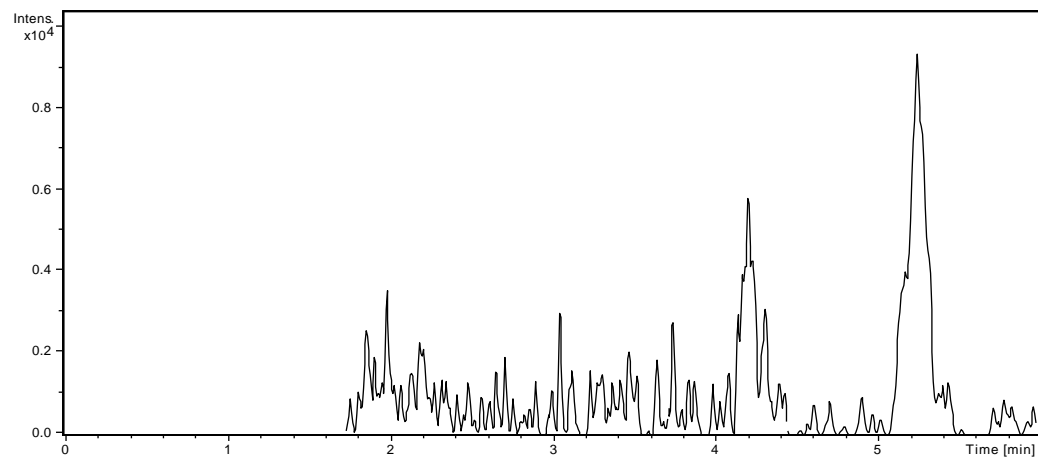


Figure S1 (C): The TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 2 – *E. hirsutum* leaves (EtOH 30%)

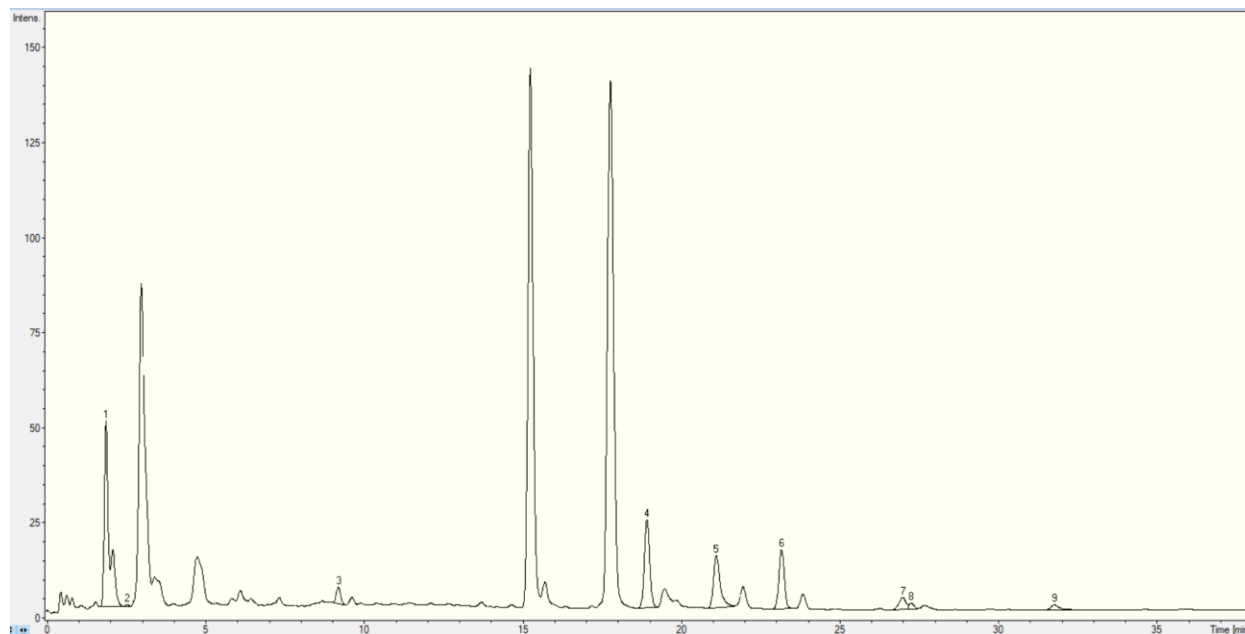


Figure S2 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- gentisic acid; 3- *p*-coumaric acid; 4- hyperoside; 5- myricetin; 6- quercitrin; 7- quercetol; 8- kaempferol-3-rhamnoside; 9- kaempferol.

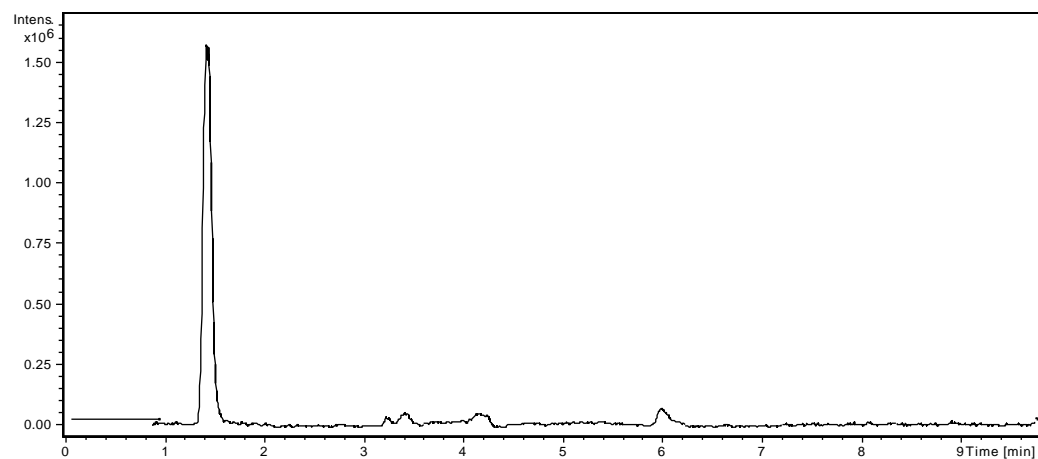


Figure S2 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanilic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

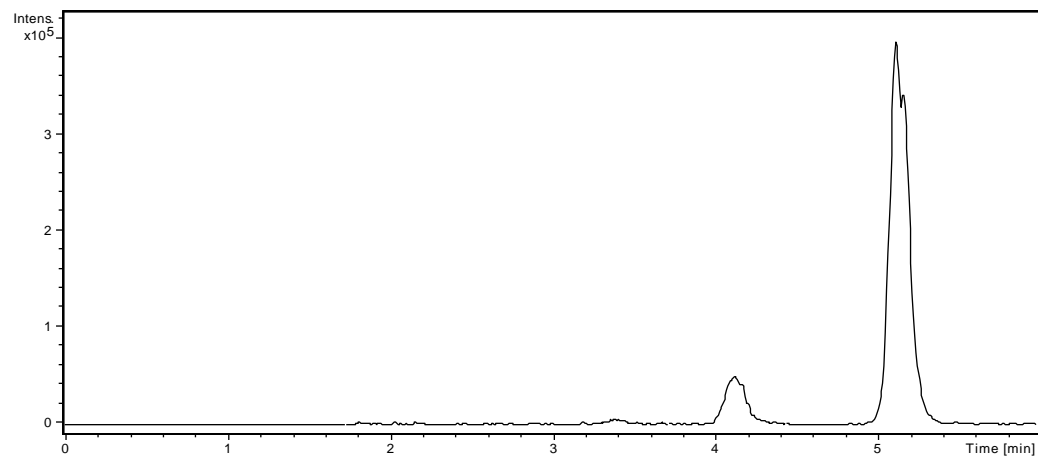


Figure S2 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 3 – *E. hirsutum* aerial parts (EtOH 30%)

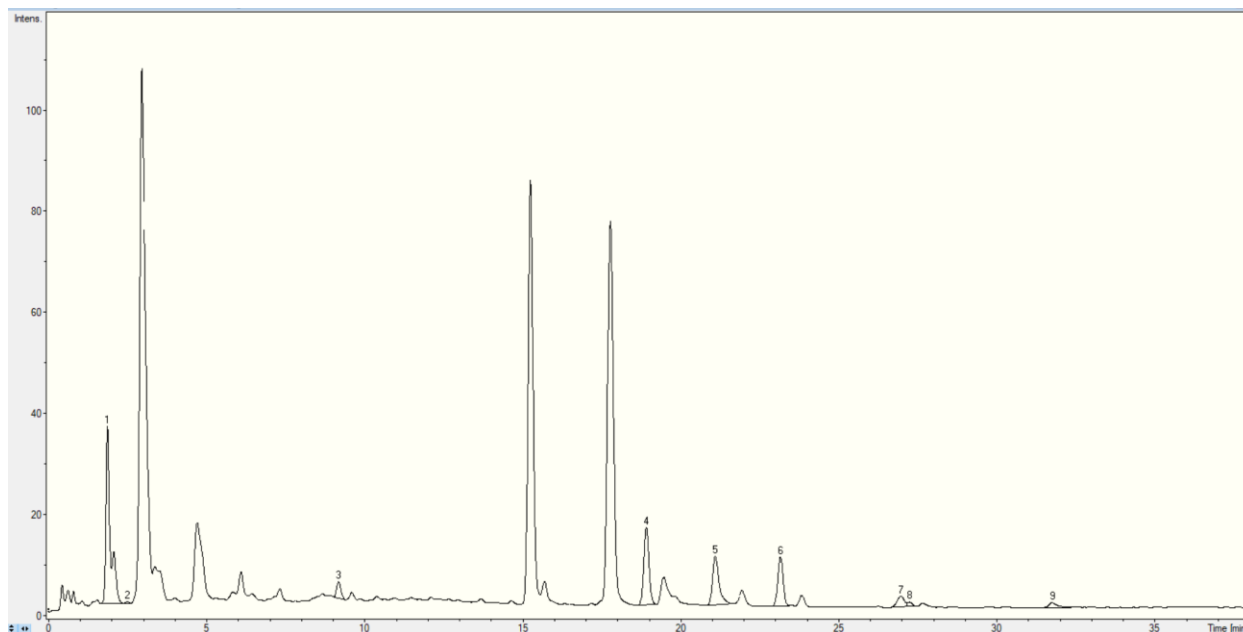


Figure S3 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- gentisic acid; 3- *p*-coumaric acid; 4- hyperoside; 5- myricetin; 6- quercitrin; 7- quercetol; 8- kaempferol-3-rhamnoside; 9- kaempferol.

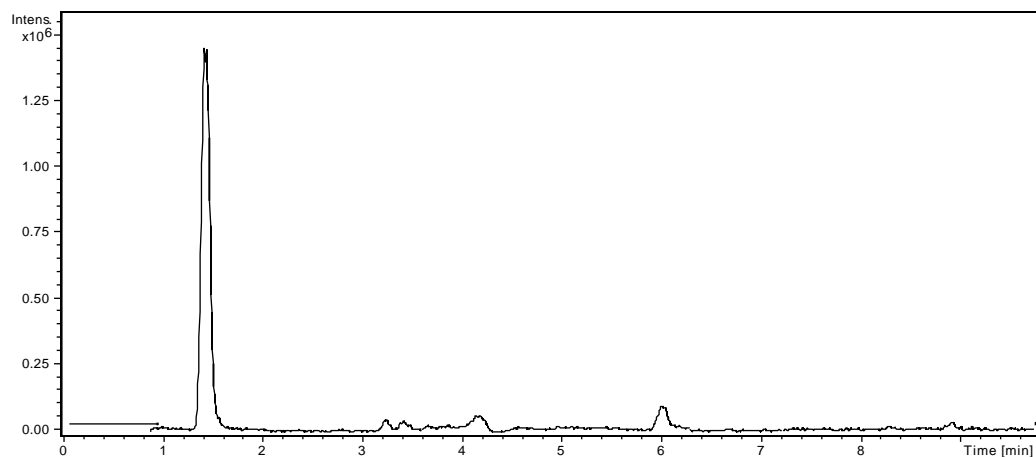


Figure S3 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanilic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

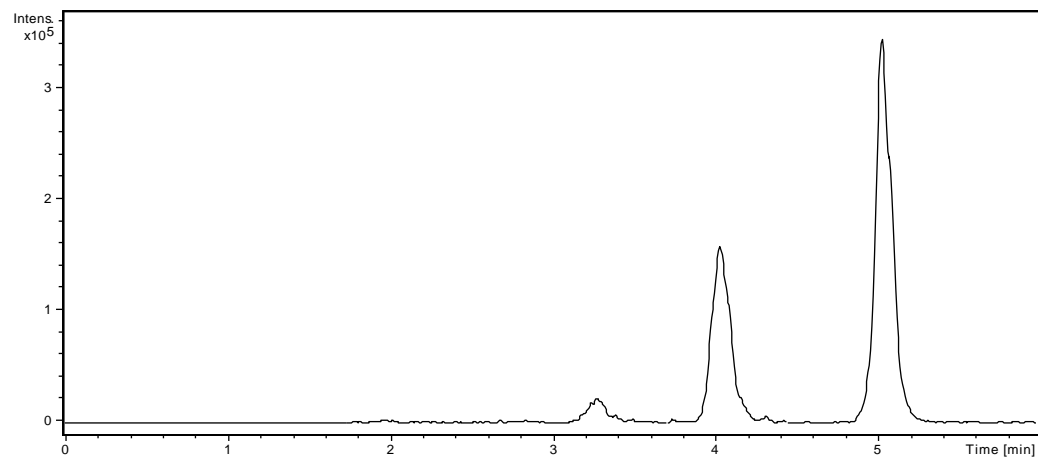


Figure S3 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 4 – *E. hirsutum* roots (EtOH 30%)

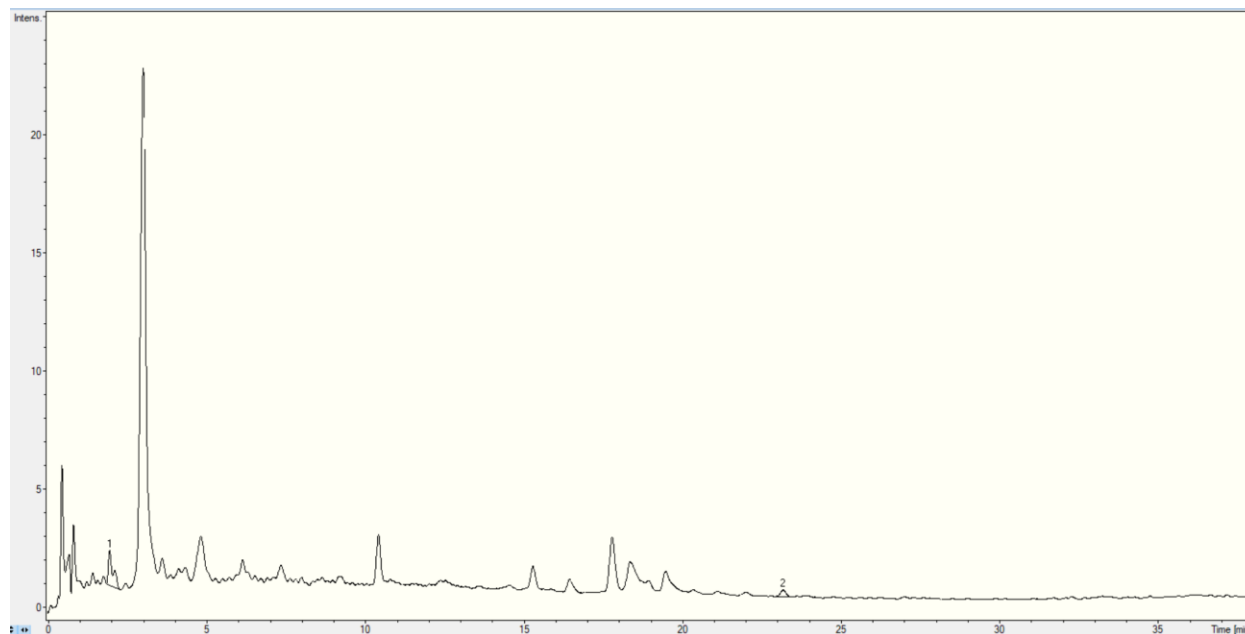


Figure S4 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- quercitrin.

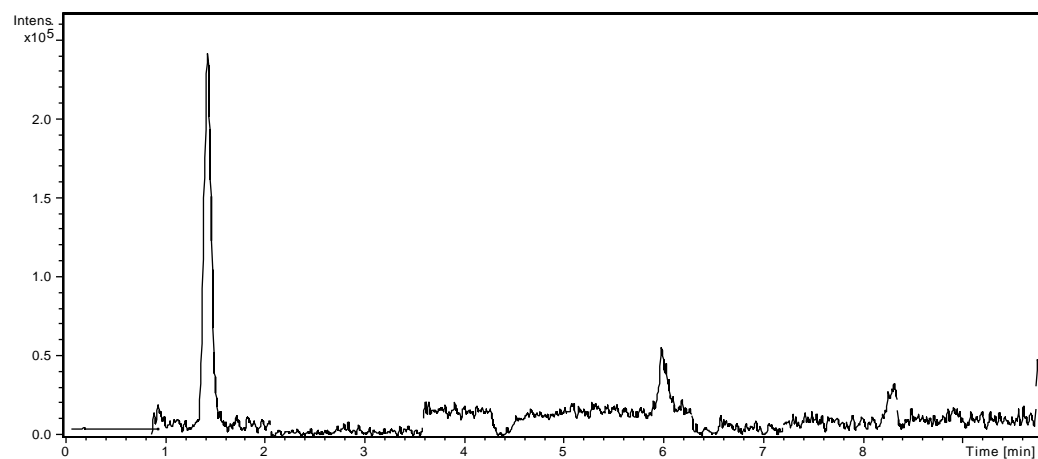


Figure S4 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanillic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

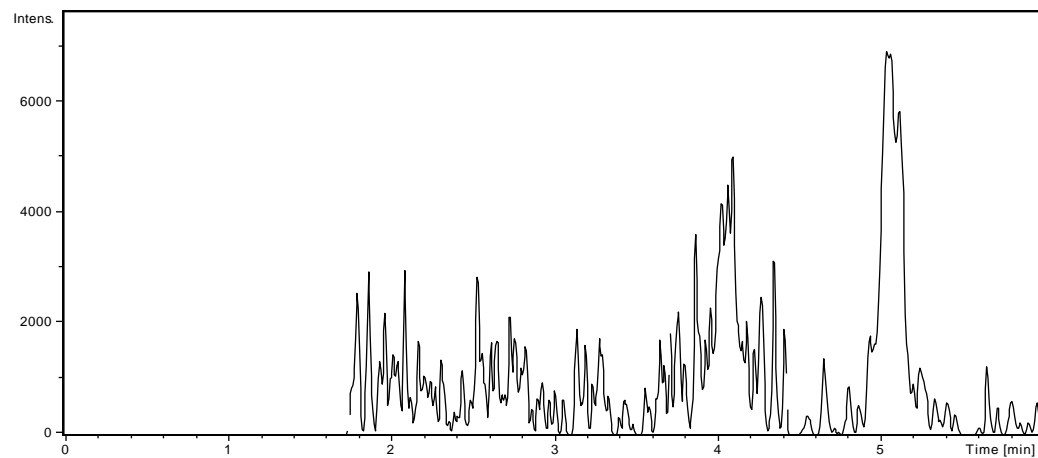


Figure S4 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 5 – *E. parviflorum* aerial parts (EtOH 30%)

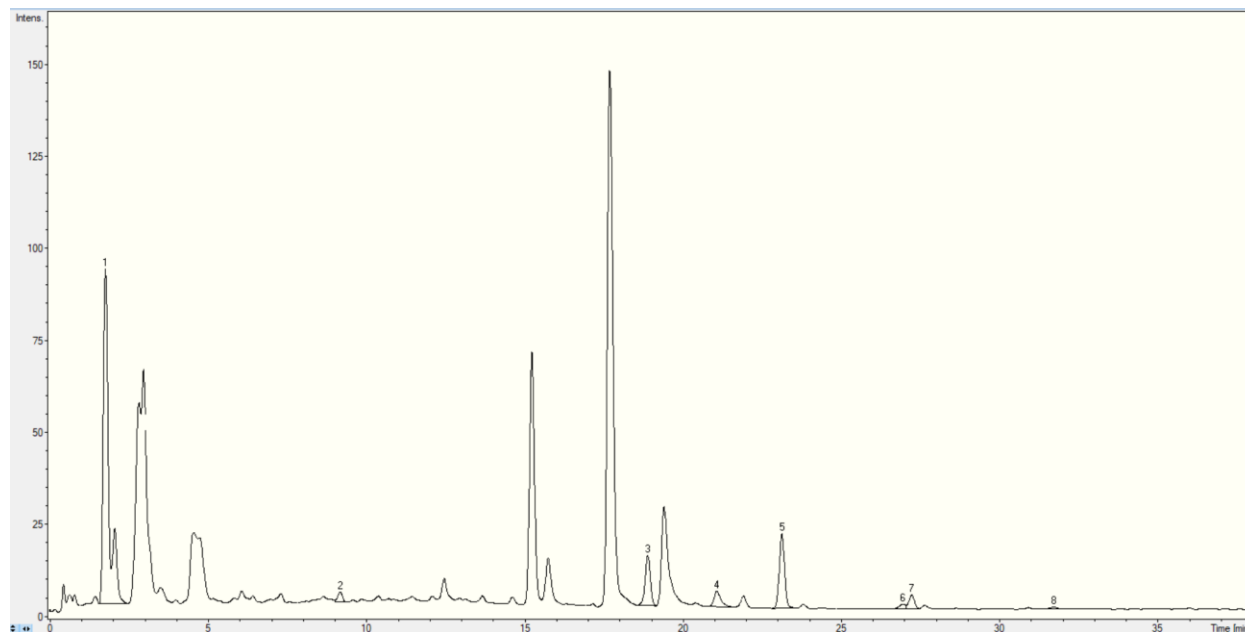


Figure S5 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- *p*-coumaric acid; 3- hyperoside; 4- myricetin; 5- quercitrin; 6- quercetol; 7- kaempferol-3-rhamnoside; 8- kaempferol.

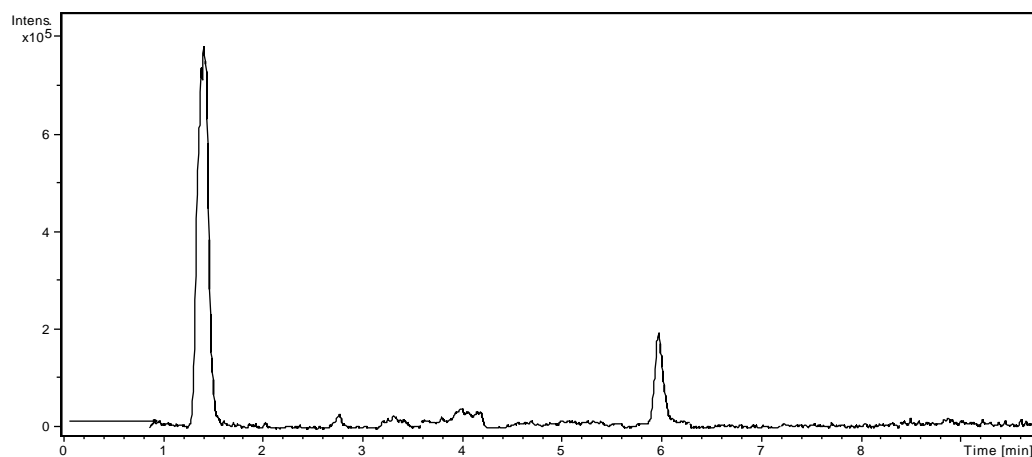


Figure S5 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanilic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

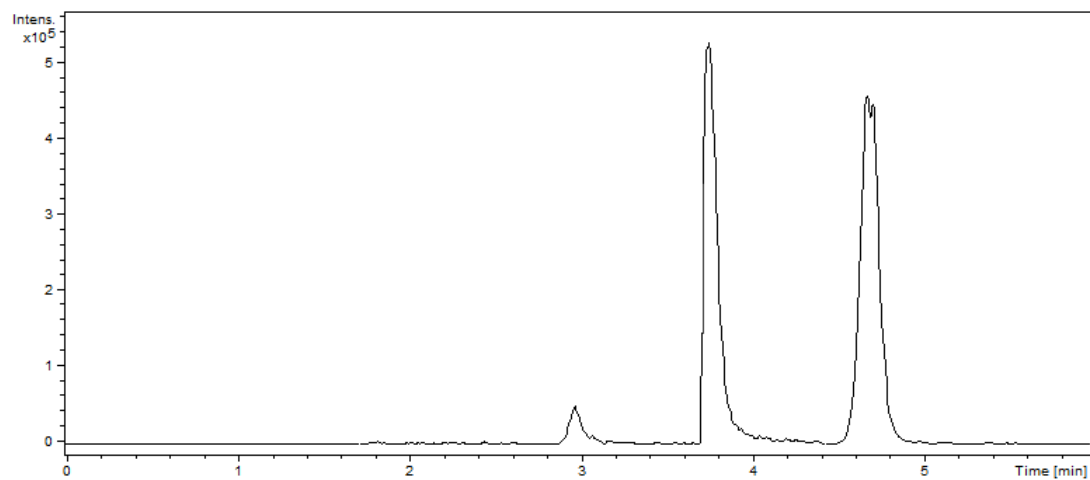


Figure S5 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 6 – *E. palustre* aerial parts (EtOH 30%)

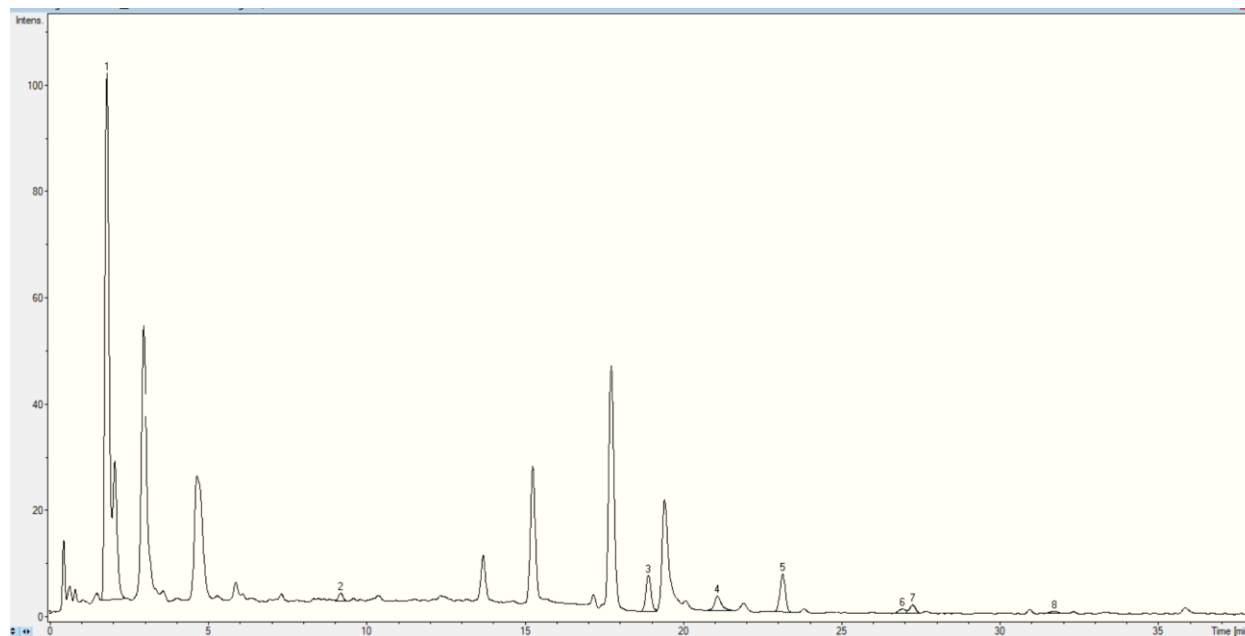


Figure S6 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- *p*-coumaric acid; 3- hyperoside; 4- myricetin; 5- quercitrin; 6- quercetol; 7- kaempferol-3-rhamnoside; 8- kaempferol.

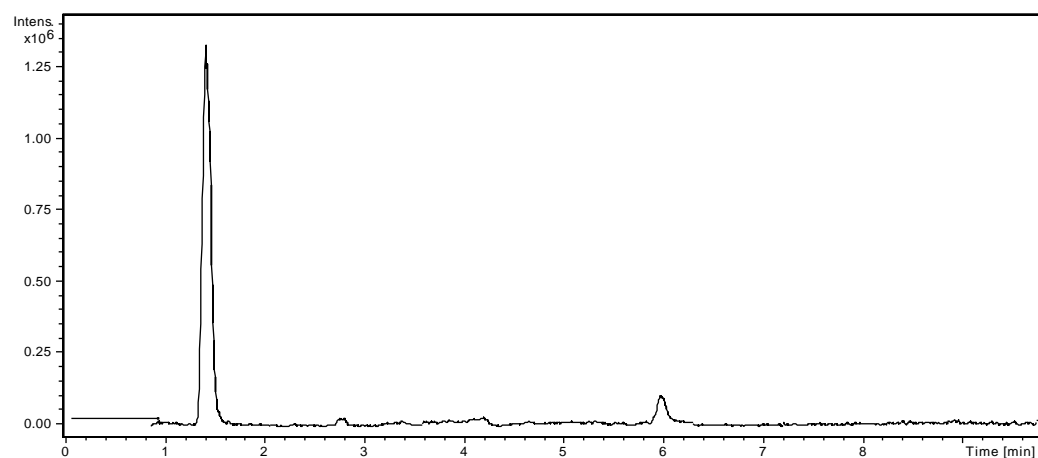


Figure S6 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanillic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

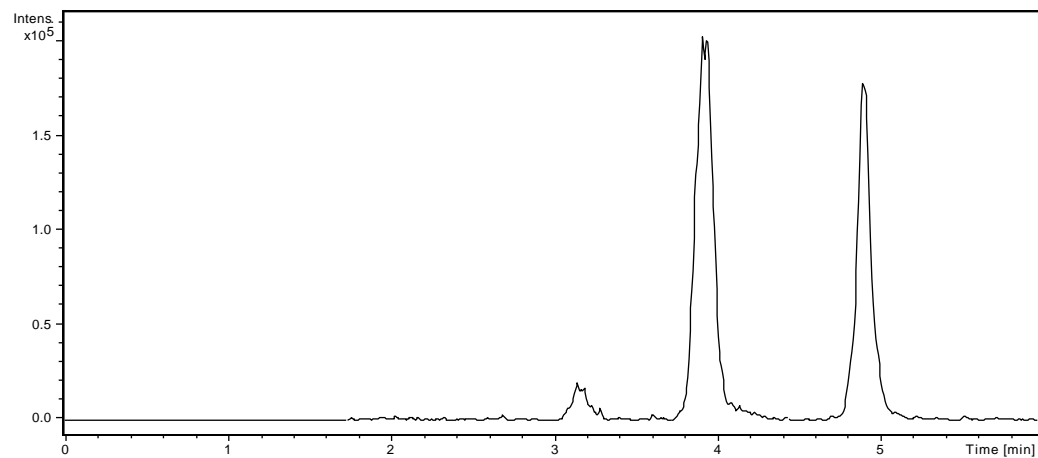


Figure S6 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 7 – *E. dodonaei* aerial parts (EtOH 30%)

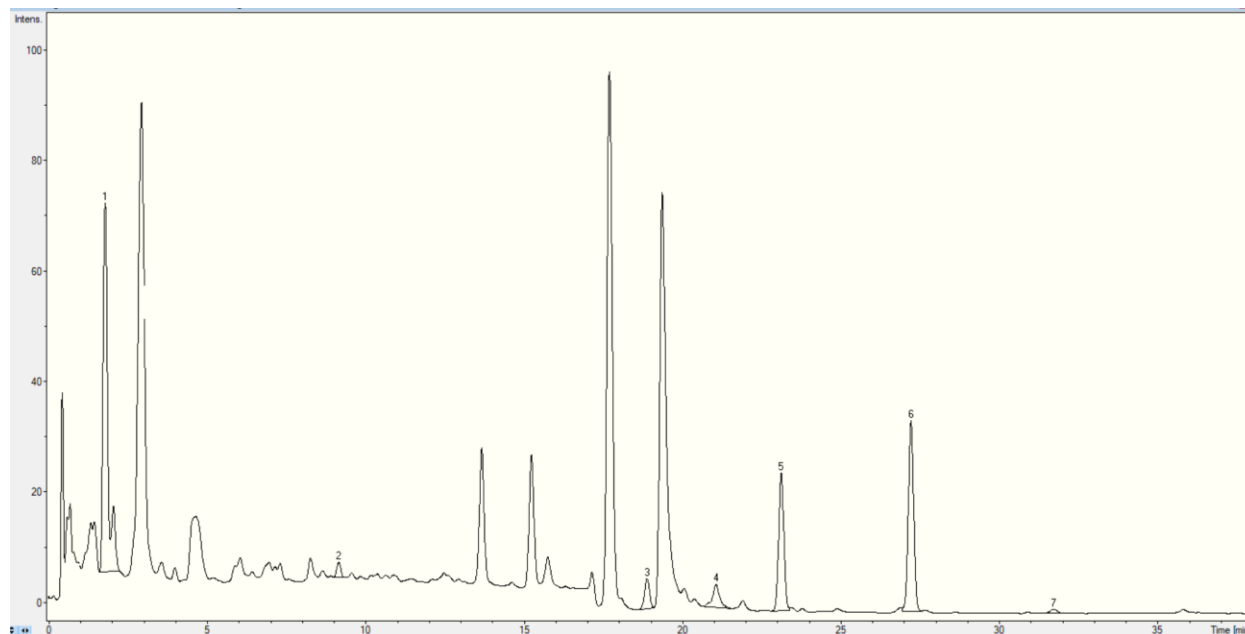


Figure S7 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- *p*-coumaric acid; 3- hyperoside; 4- myricetin; 5- quercitrin; 6- kaempferol-3-rhamnoside; 7- kaempferol.

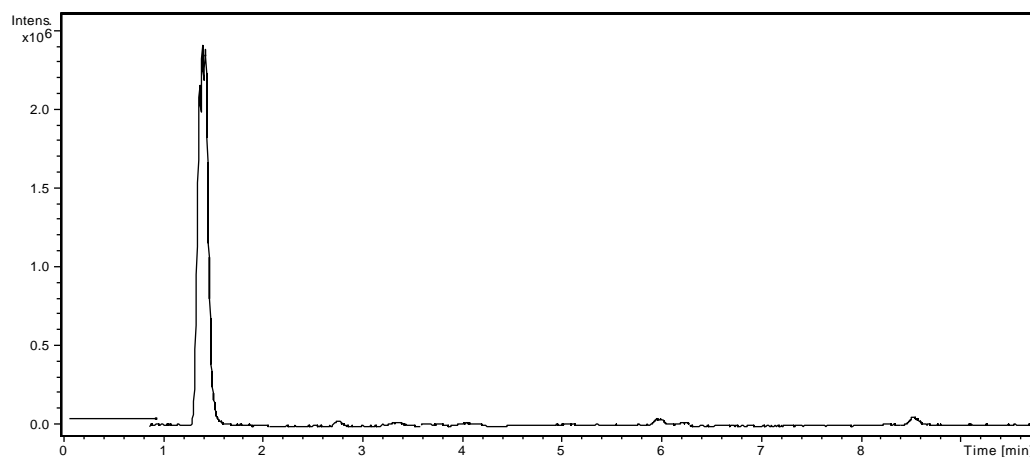


Figure S7 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanillic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

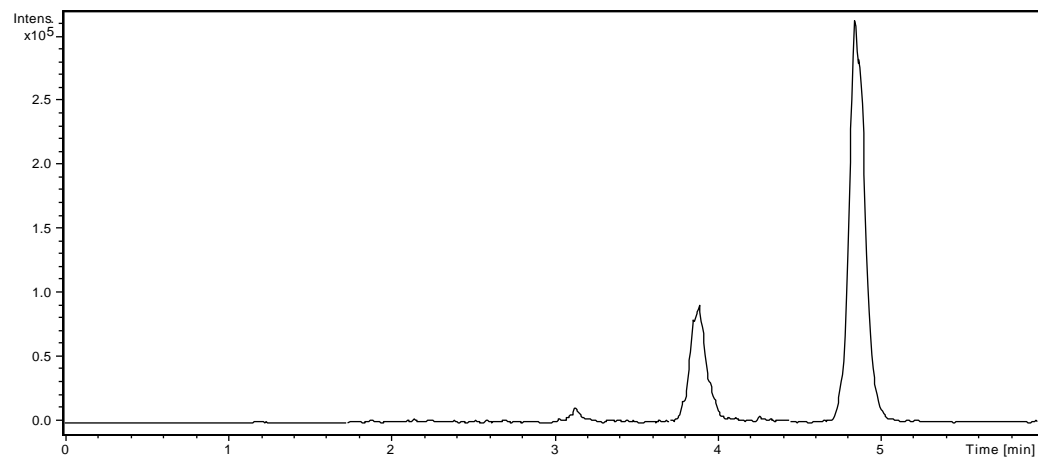


Figure S7 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 8 – *E. angustifolium* leaves (EtOH 30%)

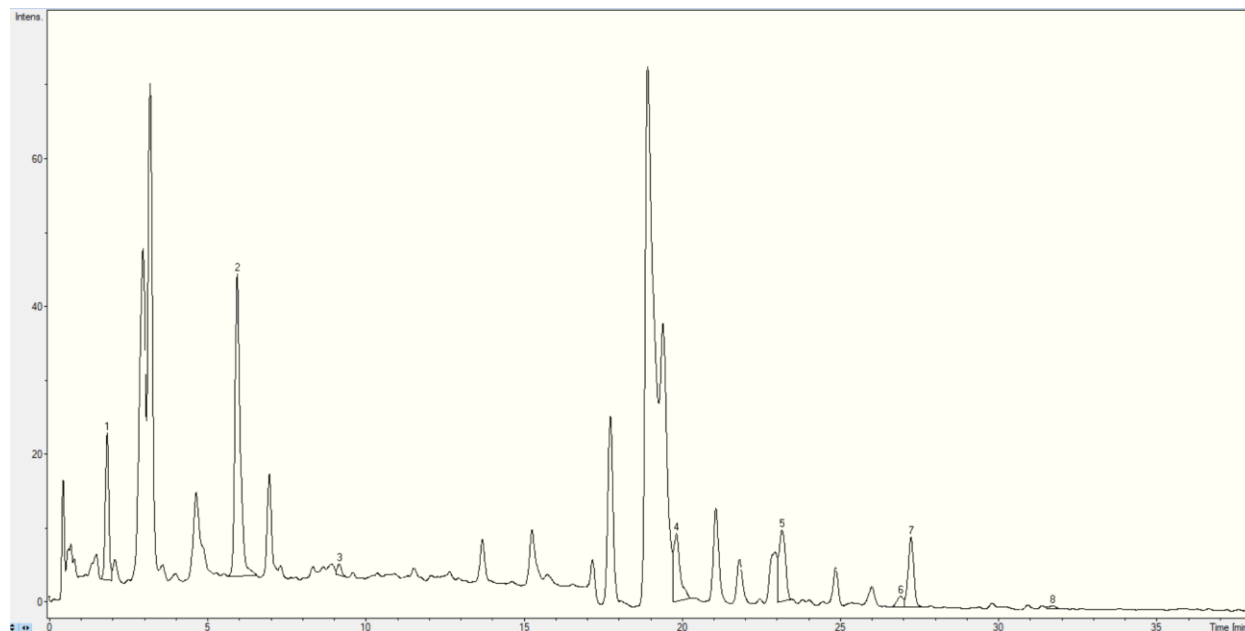


Figure S8 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- chlorogenic acid; 3- *p*-coumaric acid; 4- isoquercitrin; 5- quercitrin; 6- quercetol; 7- kaempferol-3-rhamnoside; 8- kaempferol.

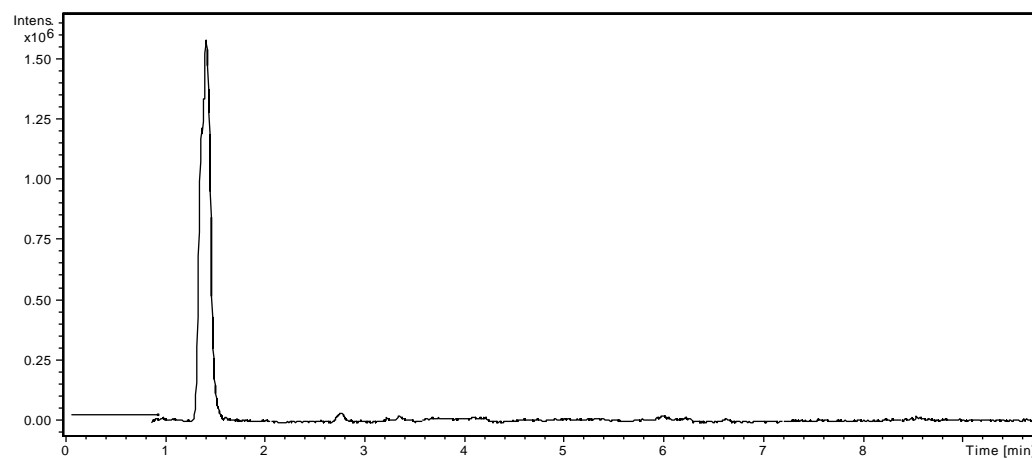


Figure S8 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – R_T =1.5 min; Protocatechuic acid – R_T =2.8 min; Catechin – R_T =6.0 min; Vanillic acid – R_T =6.7 min; Syringic acid – R_T =8.4 min; Epicatechin – R_T =9.0 min)

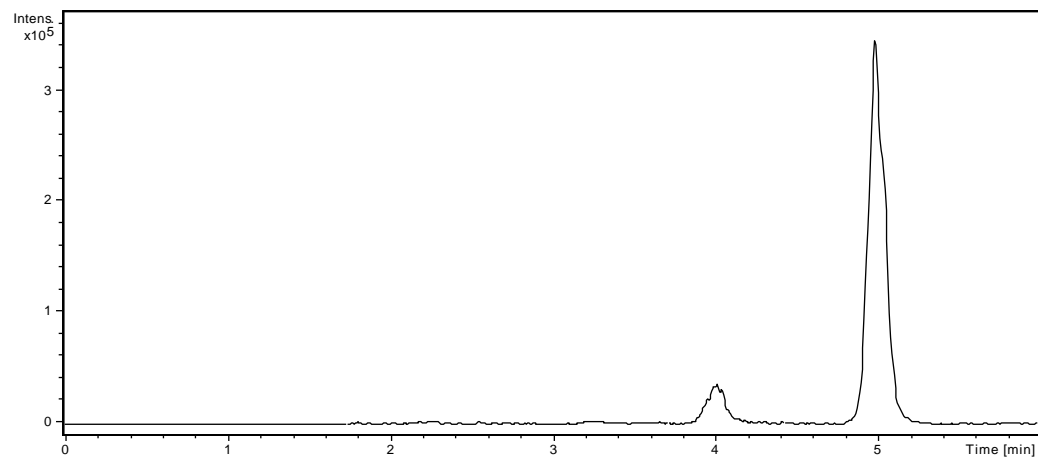


Figure S8 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)

Sample 9 – *E. angustifolium* aerial parts (EtOH 30%)

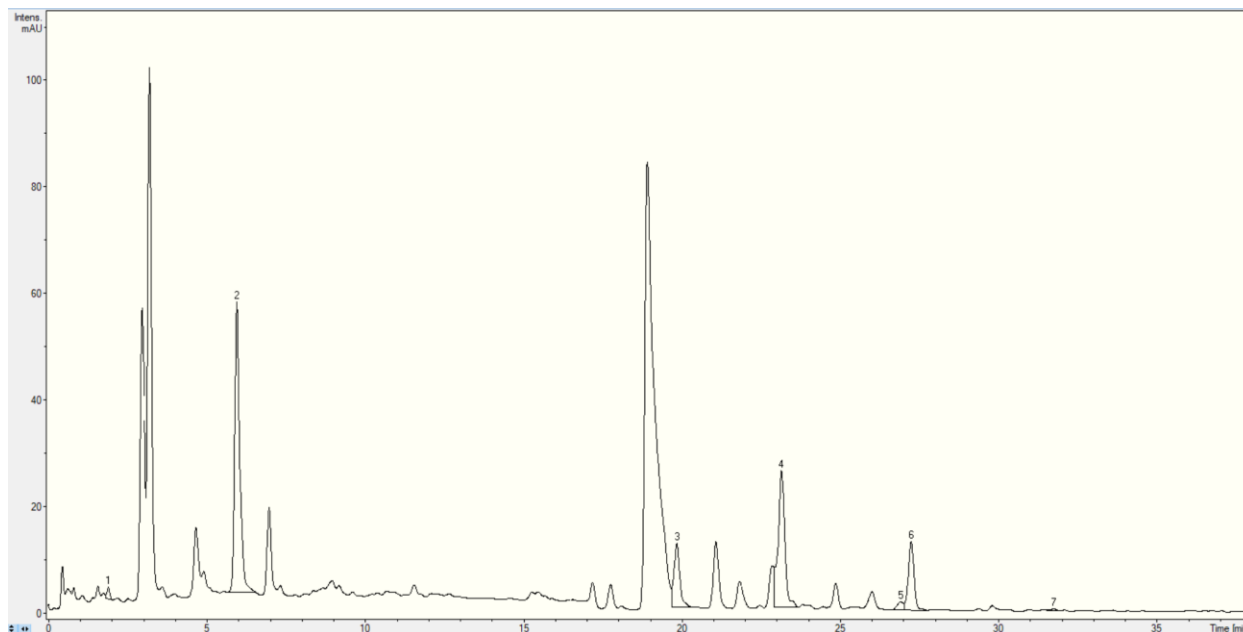


Figure S9 (A): The UV chromatogram for the individual polyphenolic compounds quantified by the first LC-MS method

Legend: 1- caftaric acid; 2- chlorogenic acid; 3- isoquercitrin; 4- quercitrin; 5- quercetol; 6- kaempferol-3-rhamnoside; 7- kaempferol.

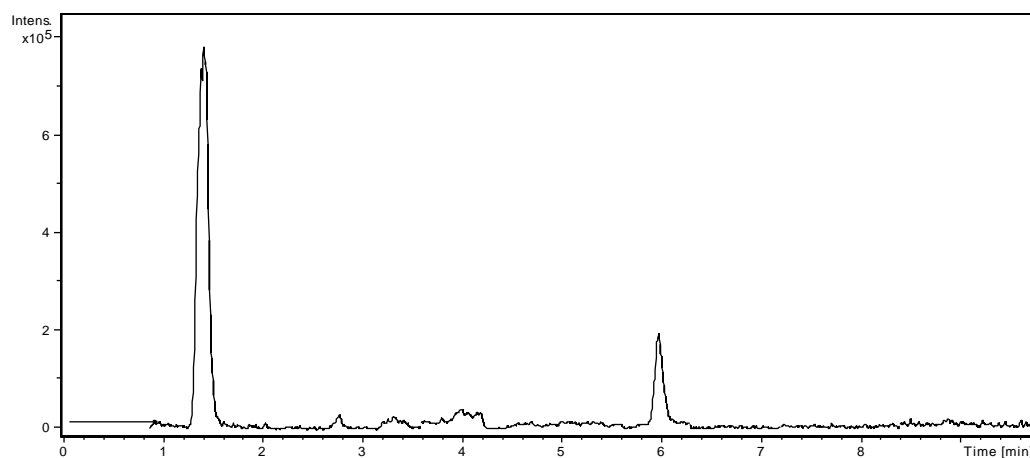


Figure S9 (B): The TIC for polyphenols analyzed with the second analytical method (Gallic acid – $R_T=1.5$ min; Protocatechuic acid – $R_T=2.8$ min; Catechin – $R_T=6.0$ min; Vanilic acid – $R_T=6.7$ min; Syringic acid – $R_T=8.4$ min; Epicatechin – $R_T=9.0$ min)

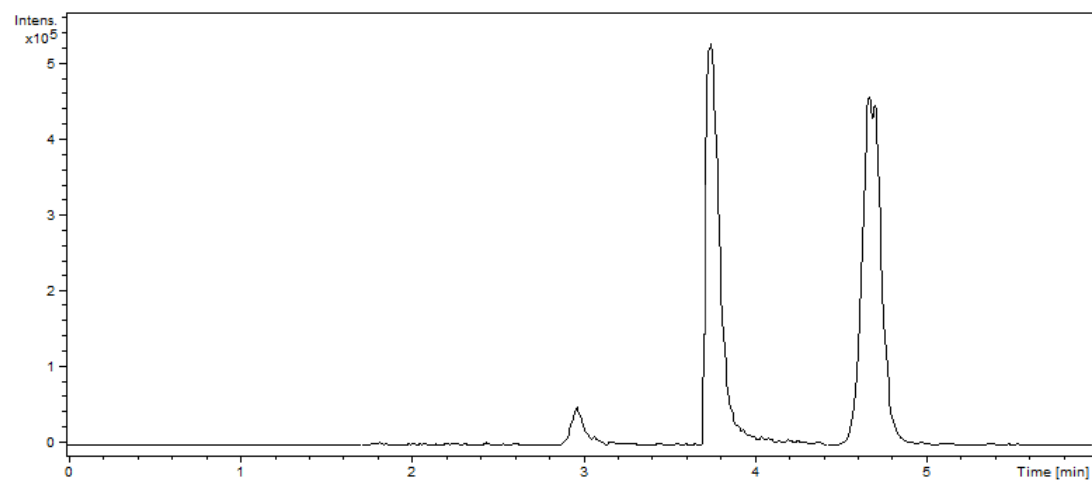


Figure S9 (C): TIC for tocopherols (δ -tocopherol – $R_T=3.3$ min; γ -tocopherol – $R_T=4.1$ min; α -tocopherol – $R_T=5.1$ min)