## Supplementary Material

**Table S1.** Data validation (analysis by HPLC/DAD)

| Compound | Linear range (μg/mL) | Linearity* | | | |
|---|---|---|---|---|---|
| | | Slope | Intercept | $R^{2*}$ | Lower Limit of quantitation (μg/mL) |
| Catechol | 3.13 - 100 | 39.35 ± 5.51 | -33.47 ± 2.71 | 0.9989 ± 0.0015 | 3.13 |
| Gallic acid | 0.78 - 50 | 175.90 ± 14.95 | -12.66 ± 1.30 | 0.9999 ± 0.0002 | 0.78 |
| 4-Hydroxybenzoic acid | 3.13 - 100 | 412.17 ± 20.20 | 567.21 ± 83.95 | 0.9976 ± 0.0018 | 3.13 |
| 4-Hydroxybenzaldehyde | 0.78 - 50 | 524.51 ± 52.45 | -73.08 ± 3.07 | 0.9999 ± 0.0009 | 0.78 |
| Vanillin | 0.78 - 25 | 97.82 ± 14.28 | -31.23 ± 3.19 | 0.9998 ± 0.0012 | 0.78 |
| Syringaldehyde | 1.56 - 50 | 239.73 ± 5.75 | 150.48 ± 21.82 | 0.9989 ± 0.0047 | 1.56 |
| Chlorogenic acid | 0.78 - 50 | 39.23 ± 2.24 | -39.50 ± 2.33 | 0.9986 ± 0.0033 | 0.78 |
| Caffeic acid | 0.78 - 50 | 125.95 ± 11.08 | -53.10 ± 1.49 | 0.9971 ± 0.0025 | 0.78 |
| *p*-Coumaric acid | 0.78 - 50 | 311.57 ± 44.87 | -195.51 ± 15.05 | 0.9998 ± 0.0015 | 0.78 |
| trans-Cinnamic acid | 0.78 - 25 | 1531.00 ± 104.11 | -530.96 ± 60.53 | 0.9999 ± 0.0008 | 0.78 |
| Coniferaldehyde | 0.78 - 50 | 150.70 ± 22.45 | -74.19 ± 7.12 | 0.9996 ± 0.0011 | 0.78 |
| Furfural | 1.56 - 50 | 907.15 ± 17.24 | -434.15 ± 46.15 | 0.9998 ± 0.0004 | 1.56 |
| 5-Methylfurfural | 1.56 - 50 | 177.18 ± 9.57 | -125.51 ± 9.04 | 0.9998 ± 0.0017 | 1.56 |
| (+)-Catechin | 1.56 - 50 | 23.78 ± 2.81 | -10.05 ± 0.55 | 0.9993 ± 0.0006 | 1.56 |
| (-)-Epicatechin | 1.56 - 50 | 16.97 ± 2.55 | -6.77 ± 0.29 | 0.9997 ± 0.0027 | 1.56 |
| Rutin | 0.78 - 50 | 31.52 ± 3.22 | -38.66 ± 3.29 | 0.9995 ± 0.0014 | 0.78 |
| Myricitrin | 0.78 - 50 | 27.87 ± 2.56 | -12.10 ± 1.71 | 0.9998 ± 0.0008 | 0.78 |
| Myricetin | 0.78 - 50 | 51.36 ± 3.13 | -9.42 ± 1.42 | 0.9999 ± 0.0010 | 0.78 |
| Quercetin | 0.78 - 50 | 51.50 ± 7.57 | -2.47 ± 0.24 | 0.9998 ± 0.0005 | 0.78 |
| Kaempferol | 0.78 - 50 | 58.83 ± 6.59 | 6.75 ± 0.83 | 0.9998 ± 0.0003 | 0.78 |
| 4',5,7-Trihydroxyflavanone | 0.78 - 25 | 239.15 ± 11.24 | -48.62 ± 7.39 | 0.9998 ± 0.0009 | 0.78 |

**Table S2.** Data validation (analysis by UHPLC/ESI-QTOF-MS)

| **Polyphenols analysed in negative ionization mode** | | | | | |
|---|---|---|---|---|---|
| **Compounds** | **Linear range (μg/mL)** | **Linearity** | | | |
| | | **Slope** | **Intercept** | **$R^2$** | **Lower limit of quantitation (μg/mL)** |
| Gentisic acid | 0.125- 5 | **4.84E+05** | **7.59E+04** | 0.997 | 0.125 |
| Protocatechuic acid | 0.5-5 | **8.16E+04** | **5.52E+03** | 0.998 | 0.5 |
| Salicylic acid | 0.125- 5 | **7.62E+05** | **3.30E+05** | 0.990 | 0.125 |
| Aesculetin | 0.125- 5 | **2.95E+06** | **9.22E+05** | 0.990 | 0.125 |
| Phlorizin | 0.125- 5 | **6.80E+05** | **2.29E+05** | 0.984 | 0.125 |
| Naringenin (aglycone) | Response factor: | **2.67E+05** | | | |
| Chrysin (aglycone) | 0.5-10 | **3.56E+07** | **9.90E+07** | 0.990 | 0.5 |
| Kaempferol (aglycone) | 0.5-10 | **1.47E+05** | **9.44E+04** | 0.997 | 0.5 |
| Kaempferol 3-*O*-glucoside | 0.125- 5 | **9.23E+05** | **1.00E+05** | 0.997 | 0.125 |
| Kaempferol 3-*O*-rutinoside | 0.125- 5 | **7.34E+05** | **2.02E+05** | 0.990 | 0.125 |
| Luteolin (aglycone) | 0.125- 5 | **4.07E+05** | **6.16E+04** | 0.996 | 0.125 |
| Quercetin (aglycone) | 0.125- 5 | **9.44E+05** | **6.04E+04** | 0.996 | 0.125 |
| Quercetin-3-*O*-galactoside | 0.5-5 | **2.58E+05** | **2.74E+04** | 0.999 | 0.5 |
| Quercetin-3-*O*-glucoside | 0.125- 5 | **9.03E+05** | **4.16E+04** | 0.999 | 0.125 |
| Quercetin-3-*O*-rhaminoside | 0.125- 5 | **6.36E+05** | **1.69E+05** | 0.990 | 0.125 |
| Delphinidin 3-*O*-rutinoside* | Response factor: | **9.69E+03** | | | |
| **Polyphenols analysed in positive ionization mode** | | | | | |
| **Compounds** | **Linear range (μg/mL)** | **Linearity** | | | |
| | | **Slope** | **Intercept** | **$R^2$** | **Lower limit of quantitation (μg/mL)** |
| Cyanidin-3-*O*-glucoside | 0.5-10 | **1.44E+06** | 7.75E+05 | 0.992 | 0.5 |
| Peonidin 3-*O*-glucoside | Response factor: | **5.93E+05** | | | |
| Delphinidin (aglycone) | Response factor: | **1.33E+04** | | | |

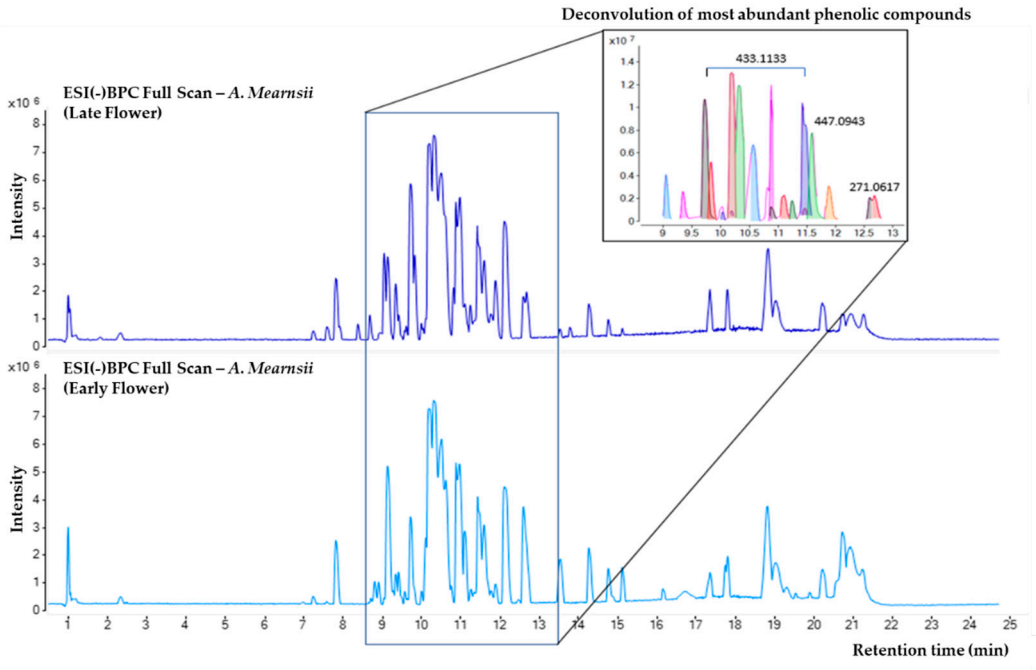


**Figure S1.** Representative Base Peak Chromatogram (BPC) profile (negative and positive ion mode) from the extract of *A. maernsii*. The *m/z* values for the most abundant compounds are given.

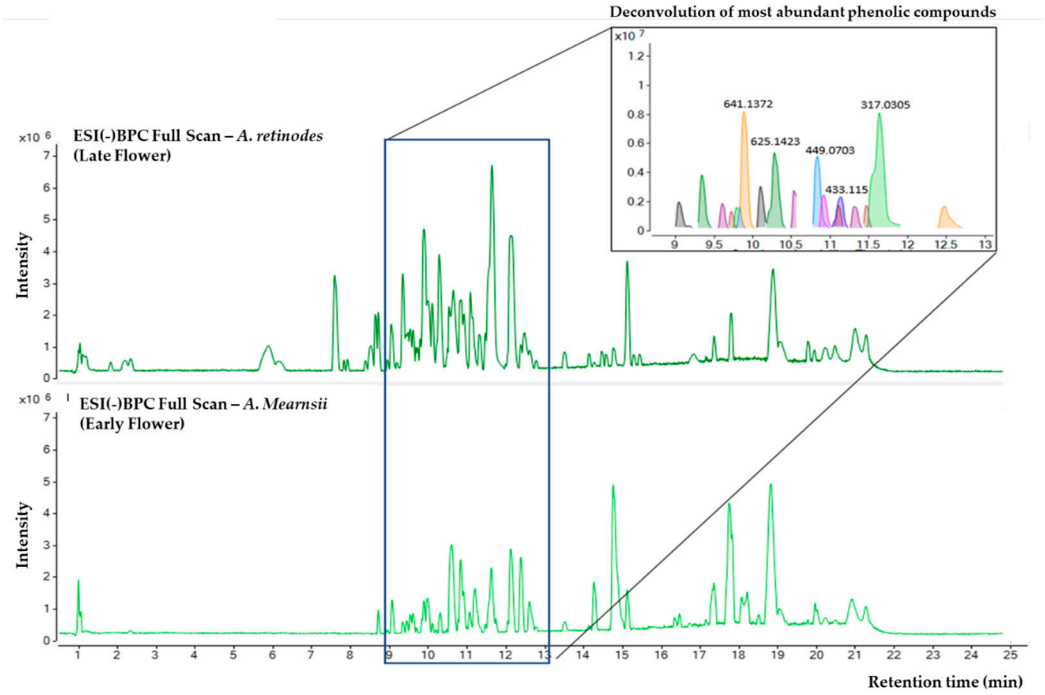


**Figure S2.** Representative Base Peak Chromatogram (BPC) profile (negative and positive ion mode) from the extract of *A. retinodes*. The *m/z* values for the most abundant compounds are given.