PHENOLIC COMPOSITION AND ANTIOXIDANT PROPERTIES OF BRAZILIAN HONEYS

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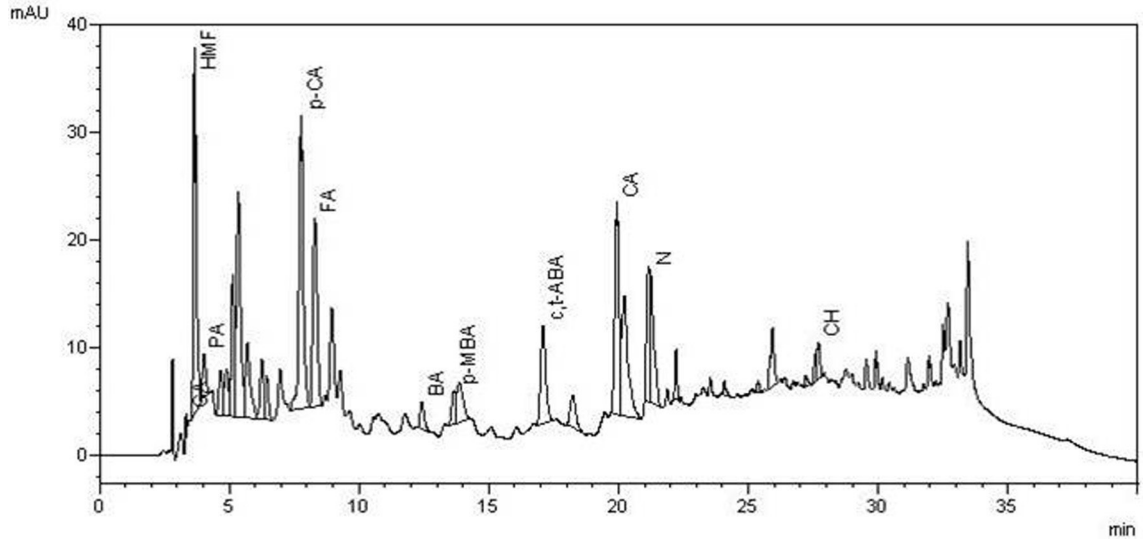

Figure 1S. *Chromatogram of the honey extract* ***A1*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural ; PA- protocatechuic acid; p-CA – para-coumaric acid; FA – ferulic acid; BA- benzoic acid; p-MBA- para-methoxybenzoic acid; ABA – ±abscisic acid; CA- cinnamic acid; N-naringenin and CH – chrysin*

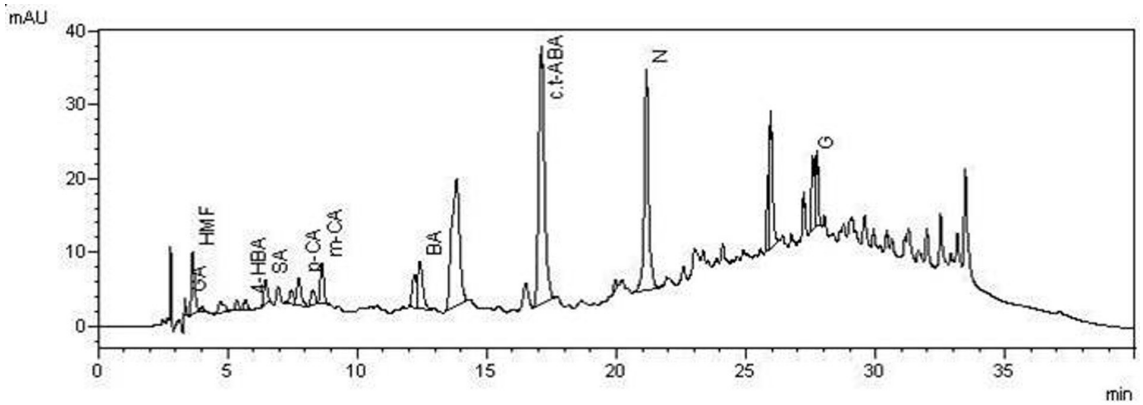

Figure 2S. *Chromatogram of the honey extract* ***M2*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural; 4-HBA – 4-hydroxybenzoic acid; SA– syringic acid; p-CA – para-coumaric acid; m-CA – meta-coumaric acid; BA- benzoic acid; ABA – ±abscisic acid; N-naringenin and G – galangin*

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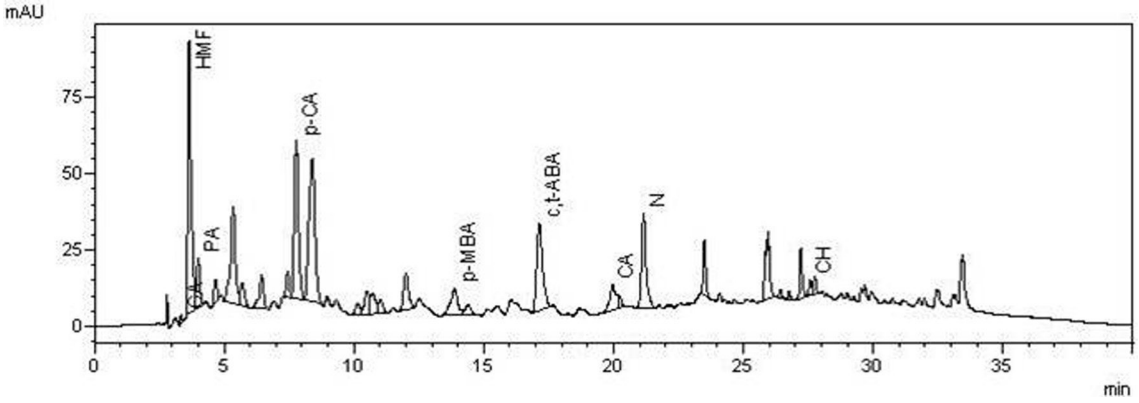

Figure 3S. *Chromatogram of the honey extract* ***A3*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural; PA- protocatechuic acid; p-CA – para-coumaric acid; p-MBA- para-methoxybenzoic acid; ABA – ±abscisic acid; CA- cinnamic acid; N-naringenin and. CH – chrysin*

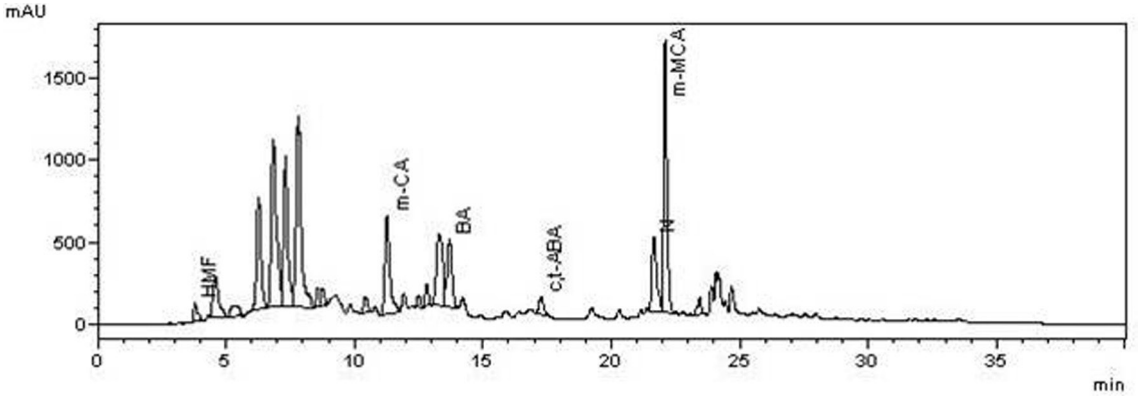

Figure 4S. *Chromatogram of the honey extract* ***C4*** *at λ= 280nm. HMF- 5-hydroxymethylfurfural;HMF- ; m-CA – meta-coumaric acid; BA- benzoic acid; ABA – ±abscisic acid; m-MCA- meta-methoxycinnamic acid and CH – chrysin and N-naringenin*

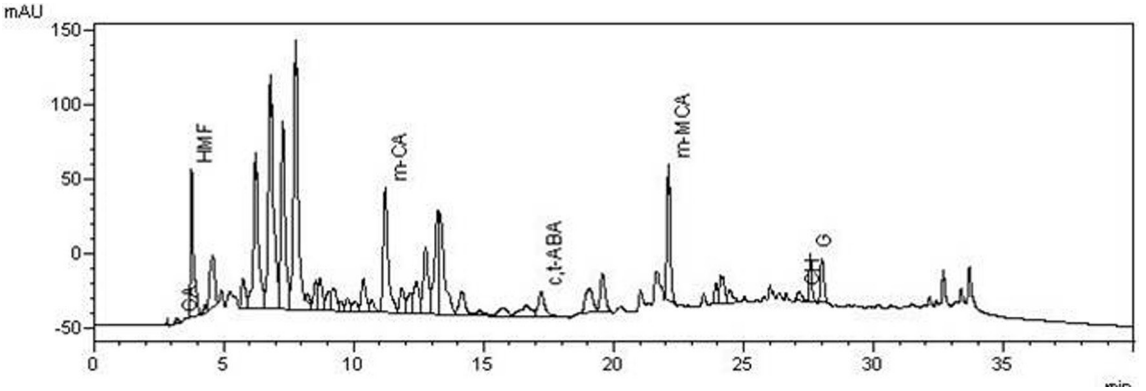

Figure 5S. *Chromatogram of the honey extract* ***C5*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural; m-CA – meta-coumaric acid; ABA – ±abscisic acid; m-MCA- meta-methoxycinnamic acid; CH – chrysin and G – galangin*

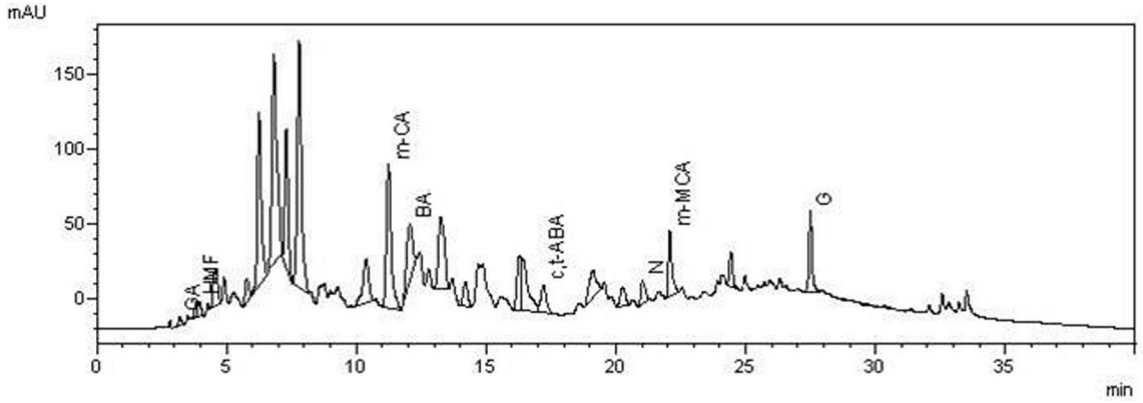

Figure 6S. *Chromatogram of the honey extract* ***C6*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural; m-CA – meta-coumaric acid; BA- benzoic acid; ABA – ±abscisic acid;. N-naringenin; m-MCA- meta-methoxycinnamic acid and G – galangin*

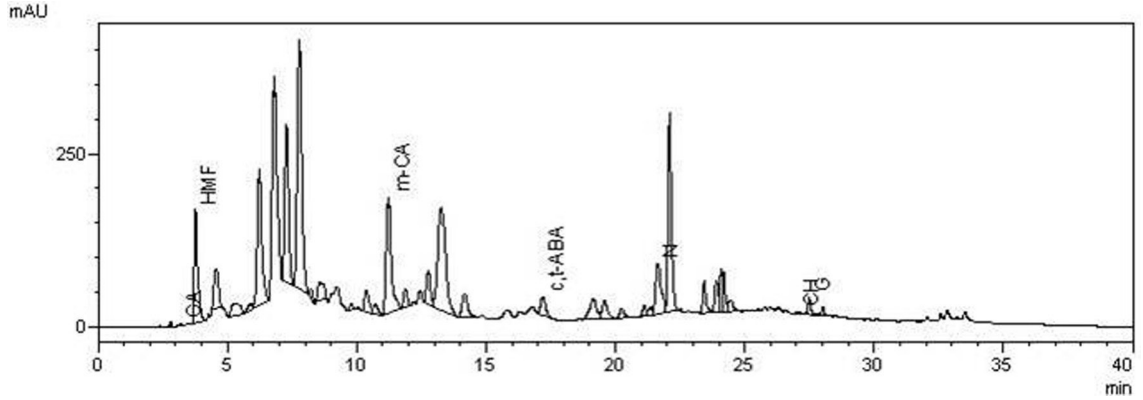

Figure 7S. *Chromatogram of the honey extract* ***C7*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural; m-CA – meta-coumaric acid; ABA – ±abscisic acid; N-naringenin; CH – chrysin and G – galangin*

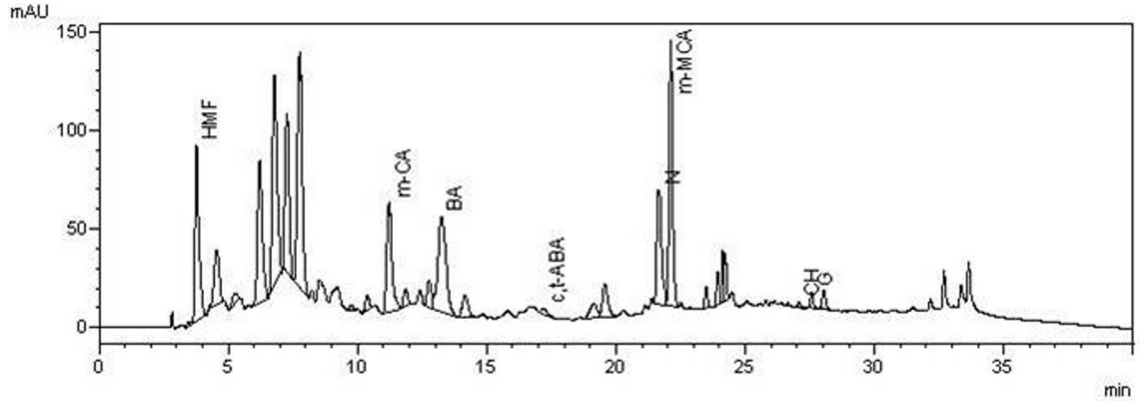

Figure 8S. *Chromatogram of the honey extract* ***C8*** *at λ= 280nm. HMF- hydroxymethylfurfural; m-CA – meta-coumaric acid; BA- benzoic acid; ABA – ±abscisic acid; N-naringenin; m-MCA- meta-methoxycinnamic acid; CH – chrysin and G – galangin*

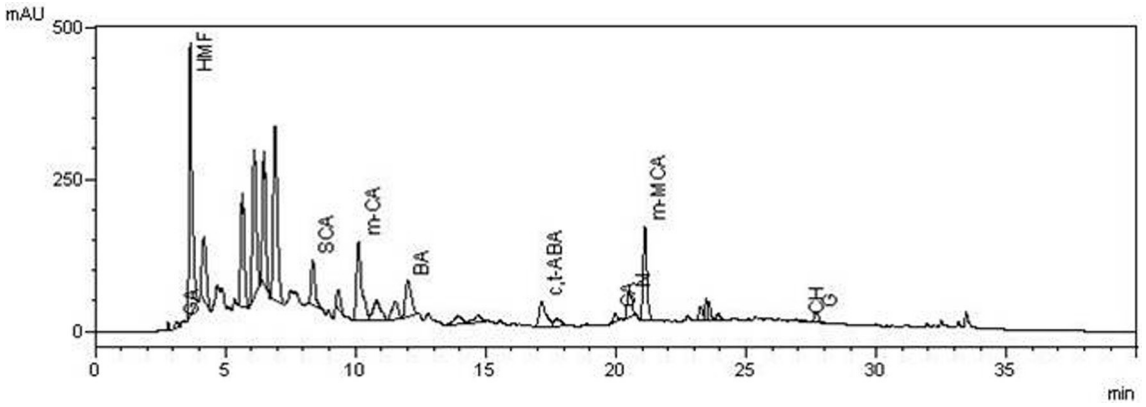

Figure 9S. *Chromatogram of the honey extract* ***C9*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural ; SCA- sinapic acid; m-CA – meta-coumaric acid; BA- benzoic acid; ABA – ±abscisic acid; CA- cinnamic acid; m-MCA- meta-methoxycinnamic acid; N-naringenin; CH – chrysin and G – galangin*

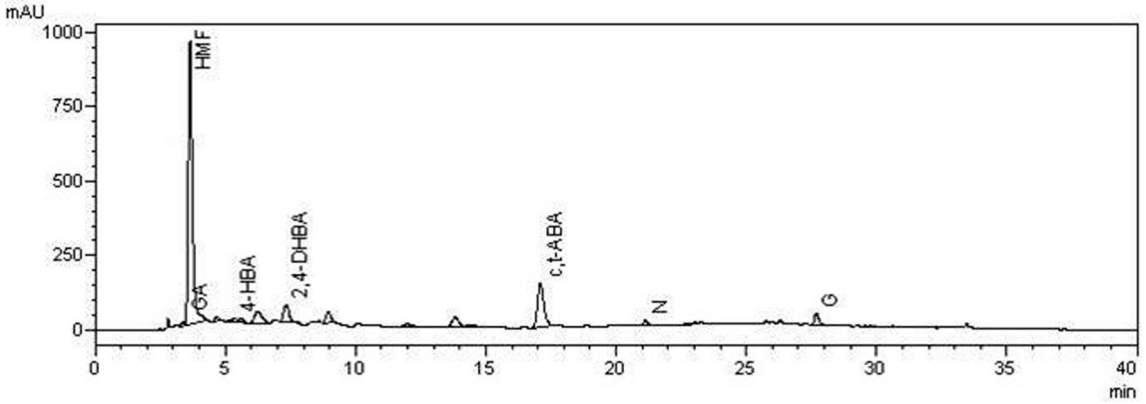

Figure 10S. *Chromatogram of the honey extract* ***M10*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural; 4-HBA – 4-hydroxybenzoic acid; ABA – ±abscisic acid; N-naringenin; and G – galangin*

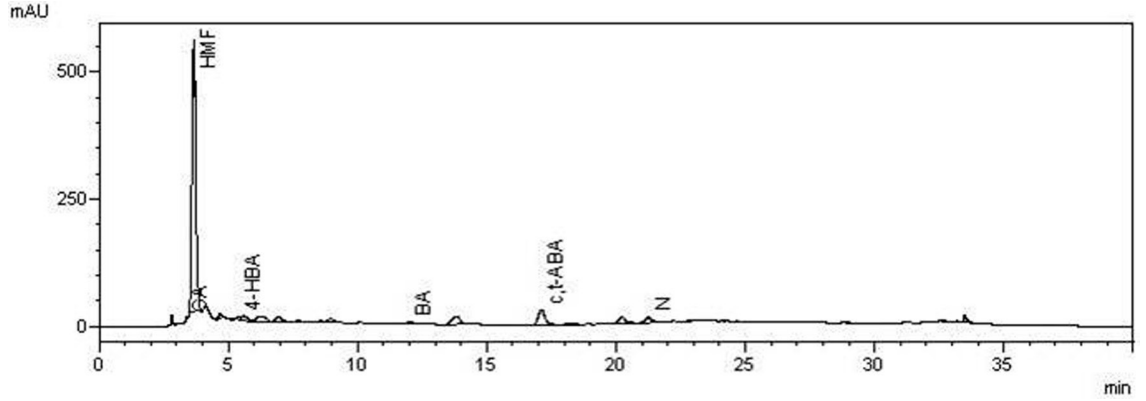

Figure 11S. *Chromatogram of the honey extract* ***M11*** *at λ= 280nm. GA- gallic acid; HMF- hydroxymethylfurfural ; 4-HBA – 4-hydroxybenzoic acid; ; BA- benzoic acid; ABA – ±abscisic acid and N-naringenin*

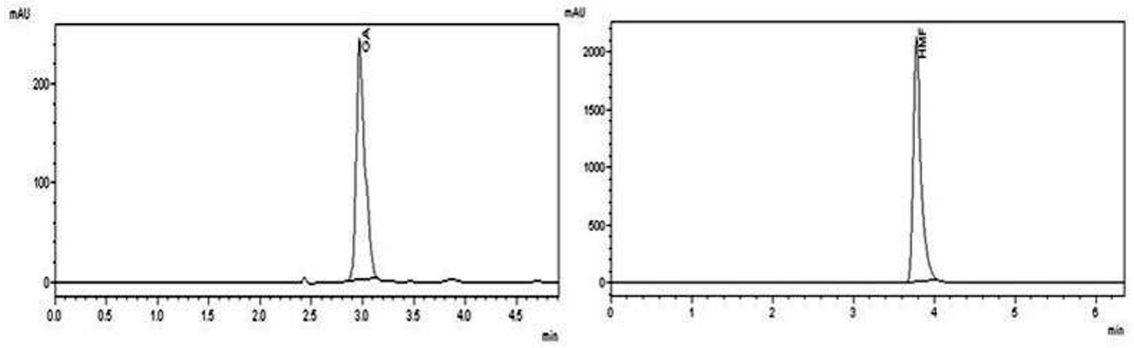

Figure 12S. *Chromatograms of the gallic acid (GA) and hydroxymethylfurfural (HMF) at λ= 280nm used as standard*

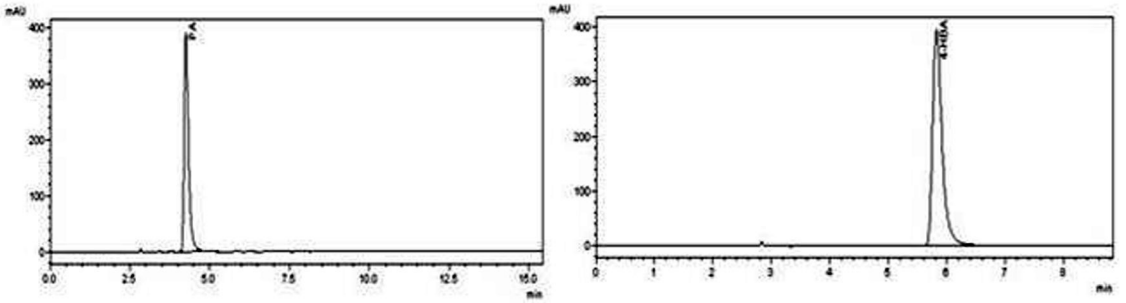

Figure 13S. *Chromatograms of the protocatechuic acid (PA) and 4-hydroxybenzoic acid (4-HBA) at λ= 280nm used as standard*

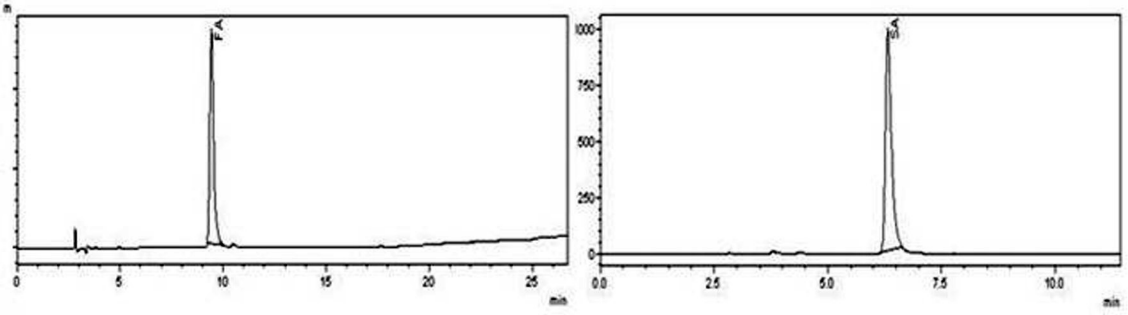

Figure 14S. *Chromatograms of the ferulic acid (FA) and syringic acid (SA) at λ= 280nm used as standard*

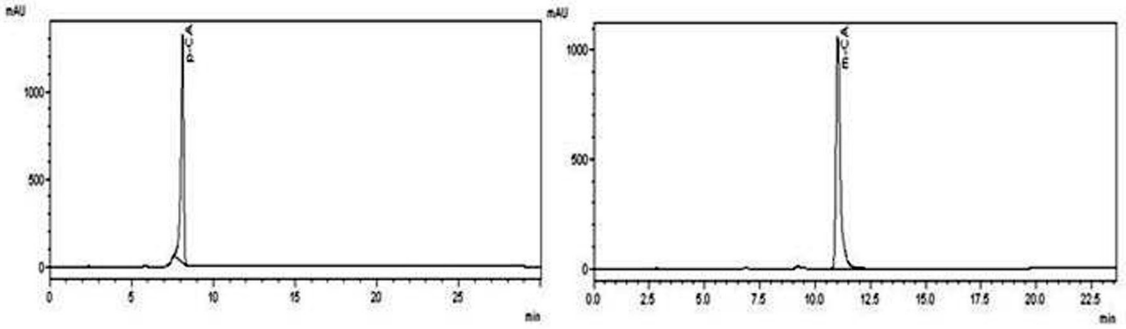

Figure 15S. *Chromatograms of the para-coumaric acid (p-CA) and meta-coumaric acid (m-CA) at λ= 280nm used as standard*

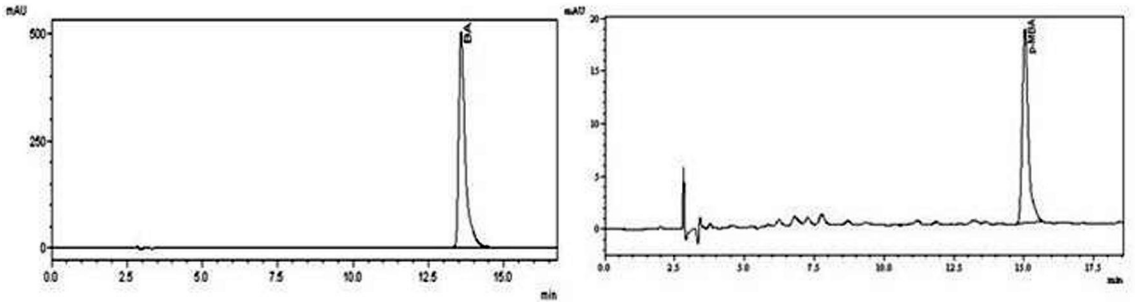

Figure 16S. *Chromatogram of the benzoic acid (BA) and para-methoxybenzoic acid (p-MBA) at λ= 280nm used as standard*

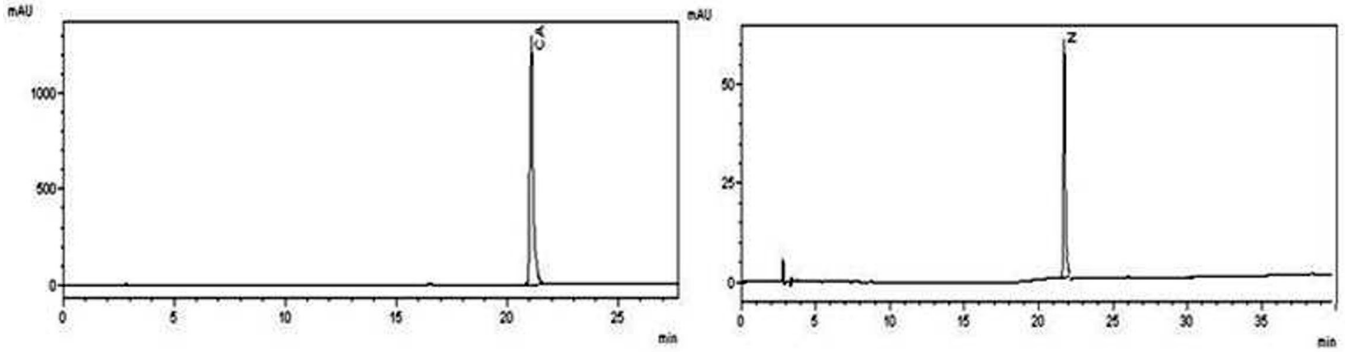

Figure 17S. *Chromatograms of the cinnamic acid (CA) and naringenin (N) at λ= 280nm used as standard*

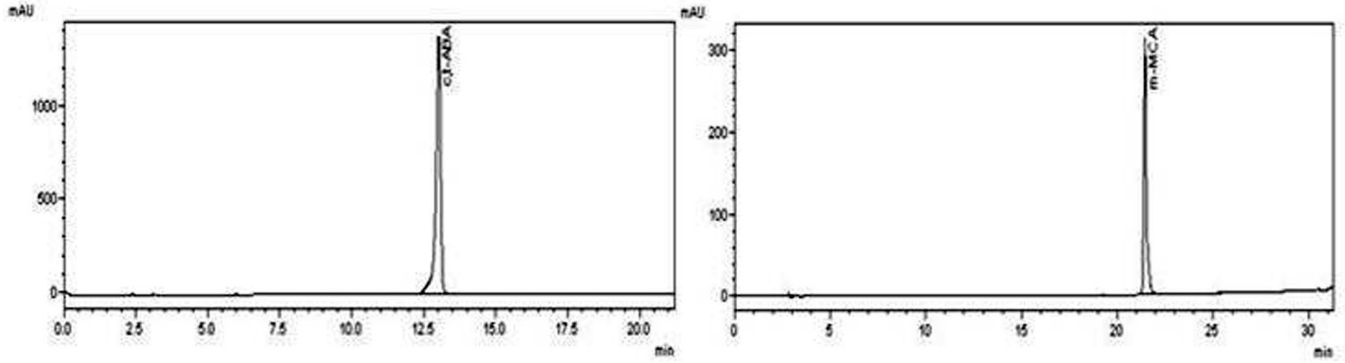

Figure 18S. *Chromatogram of the cis,trans-abscisic acid (ABA) and meta-methoxybenzoic acid (m-MCA) at λ= 280nm used as standard*

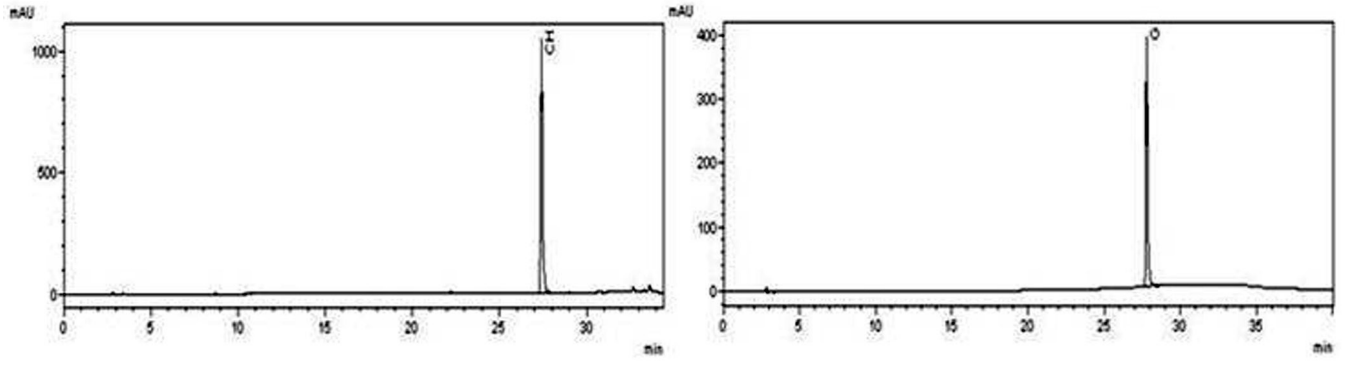

Figure 19S. *Chromatograms of the chrysin (CH) and galangin (G) at λ= 280nm used as standard*