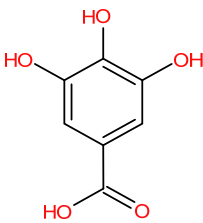
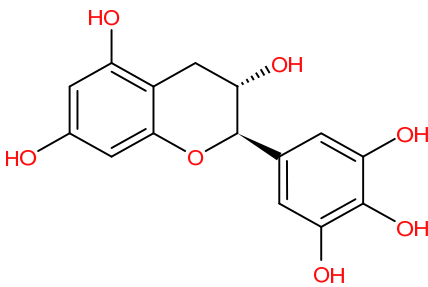
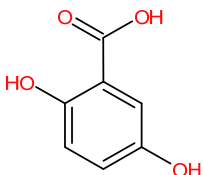
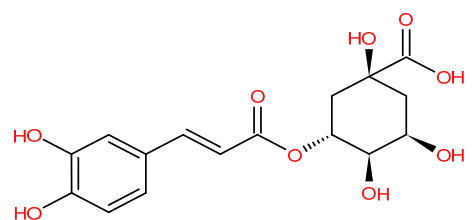
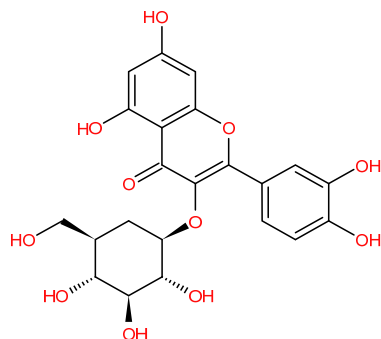


**Table S1. Ingredients contained in hazel leaf polyphenols**

Compound	Chemical formula	Structural formula	Classification of compounds	Relative content( $\times 10^4$ )
Gallic acid	C <sub>7</sub> H <sub>6</sub> O <sub>5</sub>		FP, BCP, ACP, BBP, ABP	31.3 ± 6.22
Galocatechin	C <sub>15</sub> H <sub>14</sub> O <sub>7</sub>		FP	2.79 ± 0.57
2,5-dihydroxybenzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>4</sub>		FP, BCP, ABP	5.78 ± 1.26
Chlorogenic acid	C <sub>16</sub> H <sub>18</sub> O <sub>9</sub>		FP	4.13 ± 0.21

Quercetin-3-O-beta-D-glucopyranoside

C<sub>21</sub>H<sub>20</sub>O<sub>12</sub>

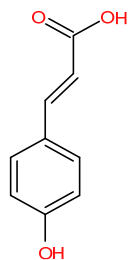


FP, BBP

36.75 ± 7.61

P-Coumaric acid

C<sub>9</sub>H<sub>8</sub>O<sub>3</sub>

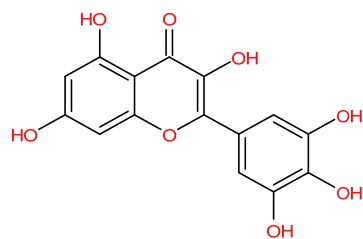


FP, ACP, BBP

16.33 ± 3.89

Myricetin

C<sub>15</sub>H<sub>10</sub>O<sub>8</sub>

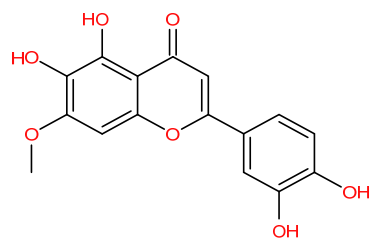


FP, ACP, ABP

74.32 ± 12.87

Pedalitin

C<sub>16</sub>H<sub>12</sub>O<sub>7</sub>

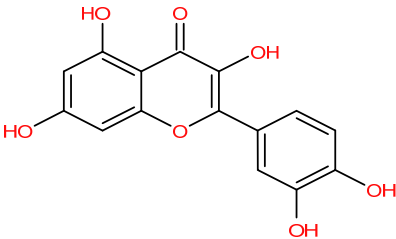


FP

4.23 ± 0.91

Quercetin

C<sub>15</sub>H<sub>10</sub>O<sub>7</sub>

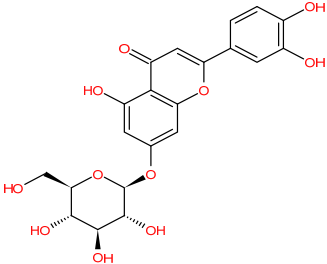


FP, ACP, ABP

154.91 ± 24.28

Luteolin-7-O-glucoside

C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>

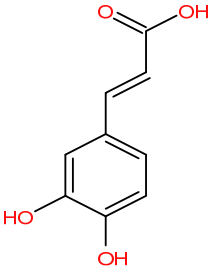


FP, BBP

73.07 ± 18.04

Caffeic acid

C<sub>9</sub>H<sub>8</sub>O<sub>4</sub>

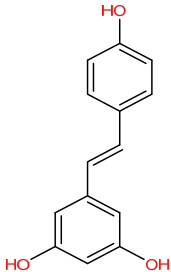


BCP, BBP

14.27 ± 2.07

Resveratrol

C<sub>14</sub>H<sub>12</sub>O<sub>3</sub>

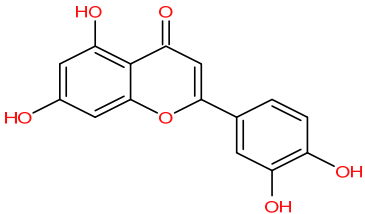


BCP

4.59 ± 0.52

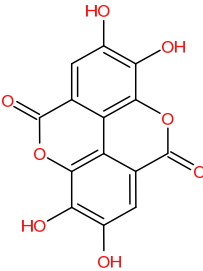
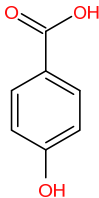
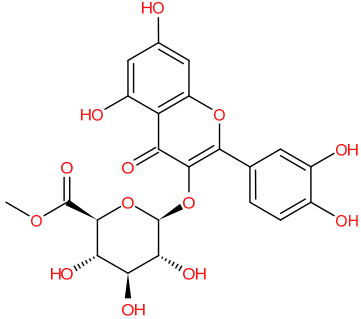
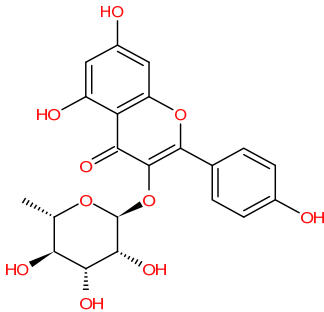
Luteolin

C<sub>15</sub>H<sub>10</sub>O<sub>6</sub>

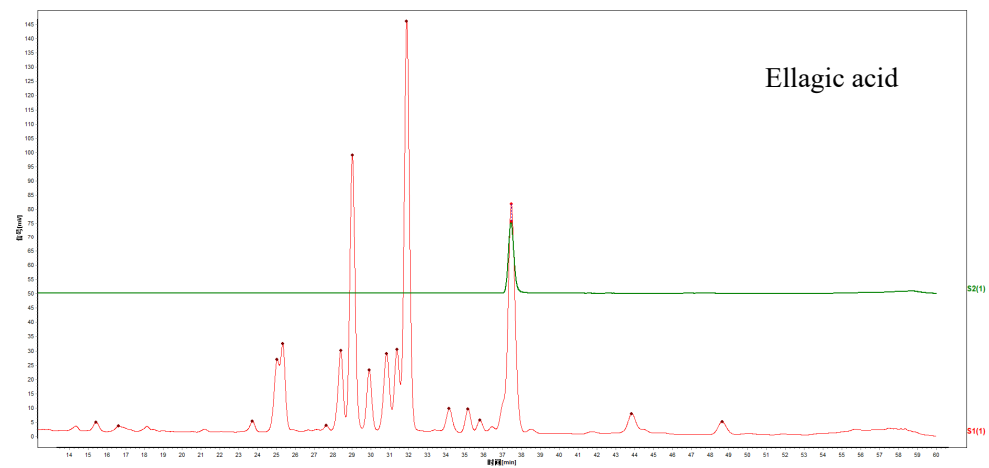
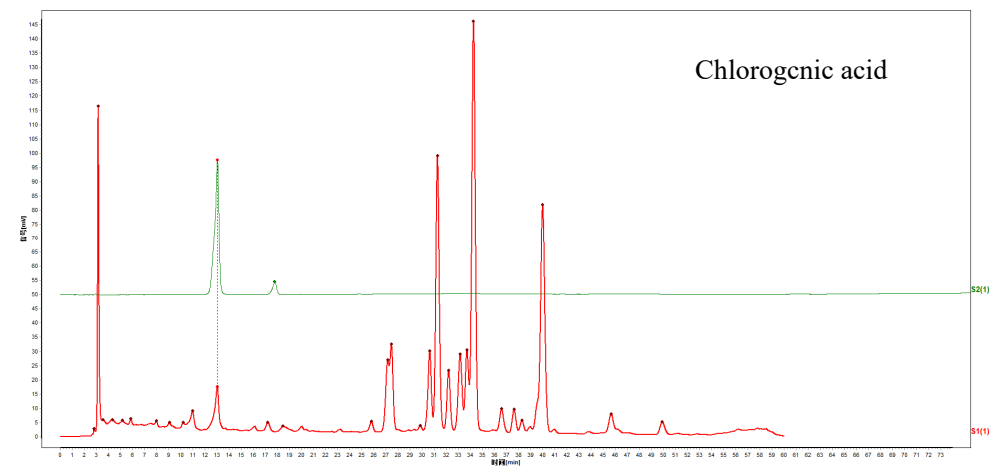
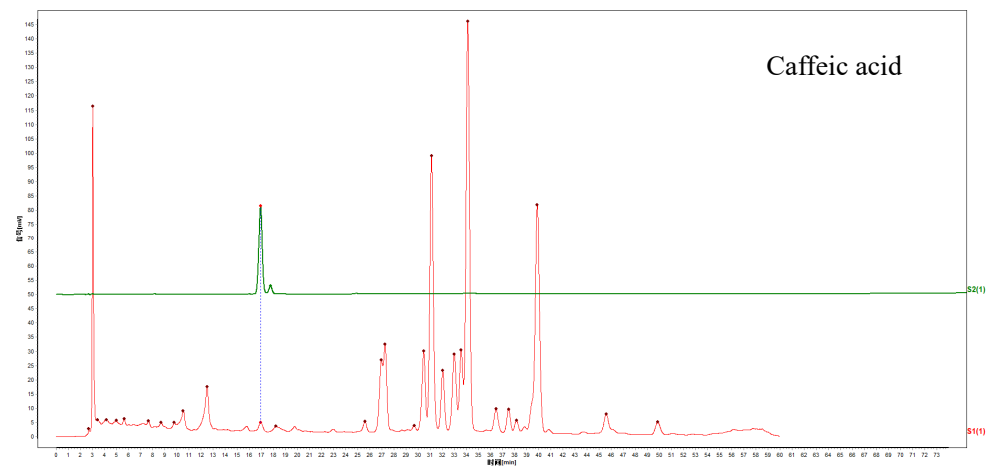


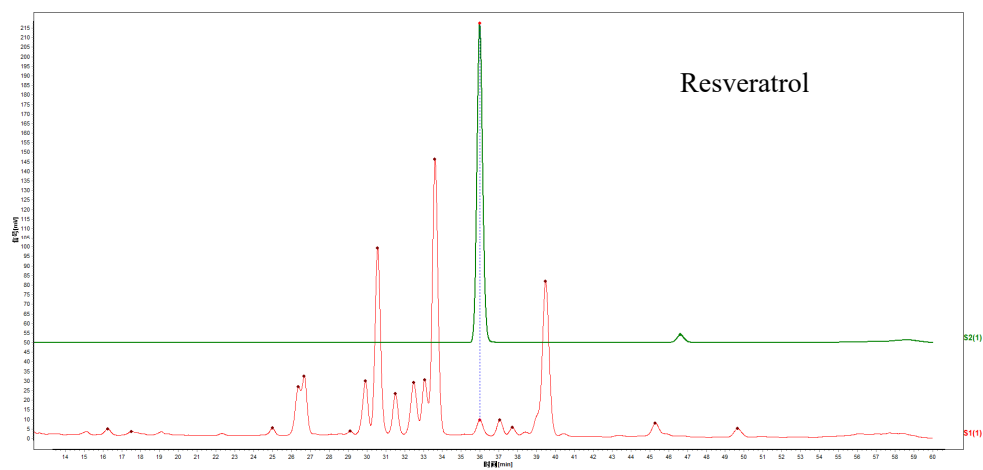
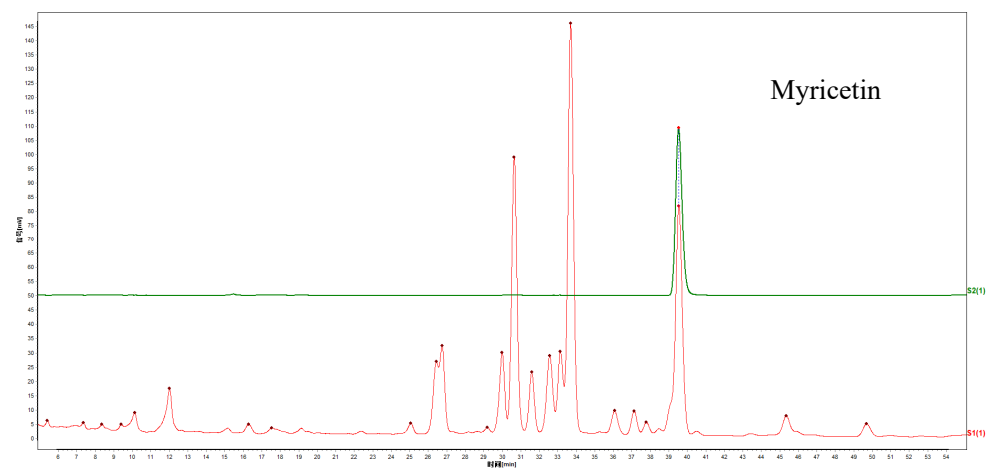
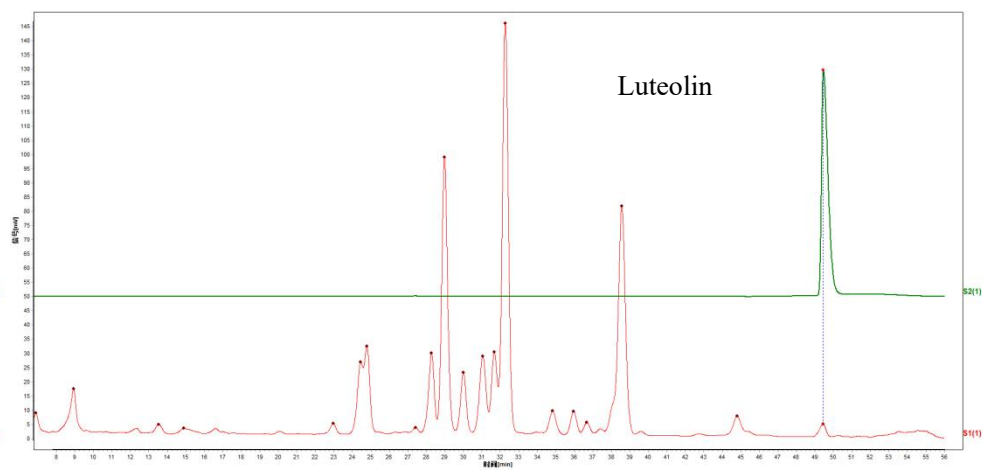
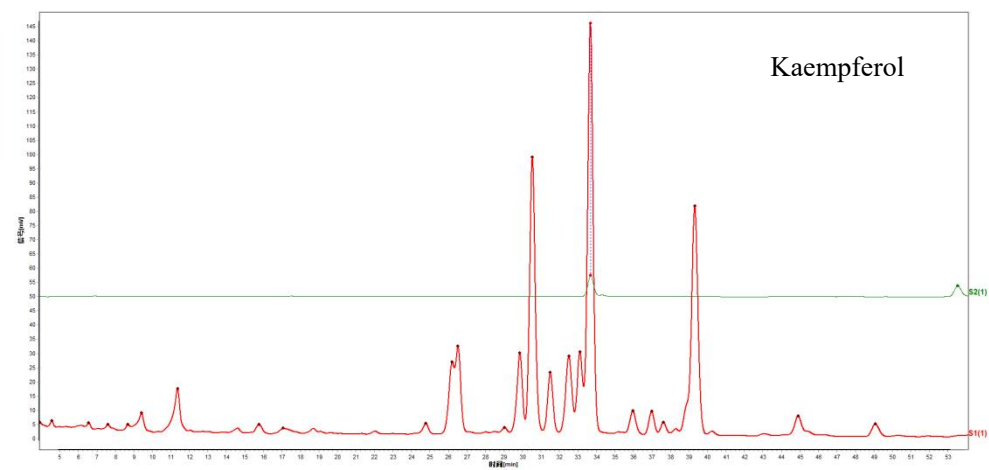
ACP, ABP

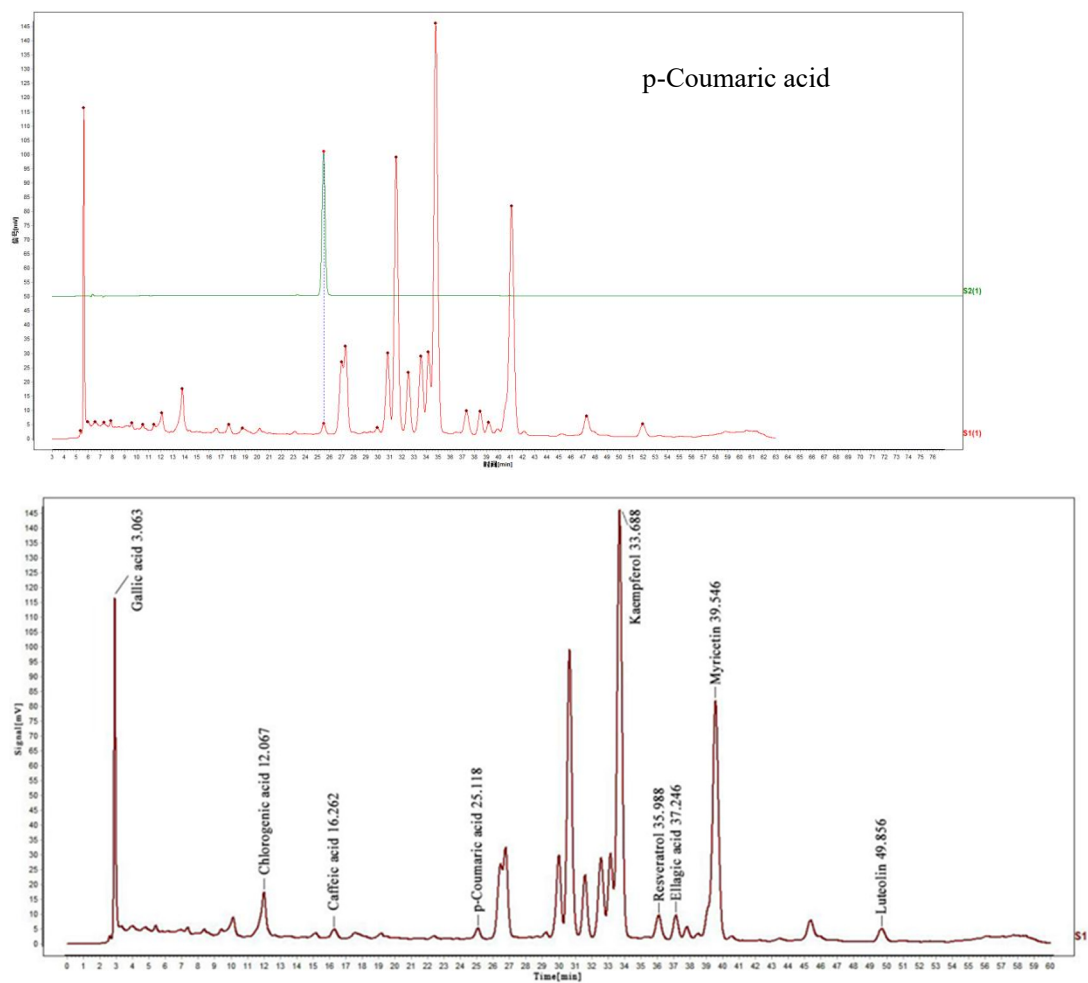
21.29 ± 6.22

Ellagic acid	C <sub>14</sub> H <sub>6</sub> O <sub>8</sub>		ACP	15.79 ± 4.37
Hydroxybenzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>		BBP, ABP	6.25 ± 1.30
Quercetin-3-O-beta-D-glucuronide	C <sub>21</sub> H <sub>18</sub> O <sub>13</sub>		BBP	6.43 ± 0.60
Kaempferol-3-O-rhamnoside	C <sub>21</sub> H <sub>20</sub> O <sub>10</sub>		BBP	27.77 ± 5.36

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**Figure S1. Composition of hazelnut leaf polyphenols versus standards**