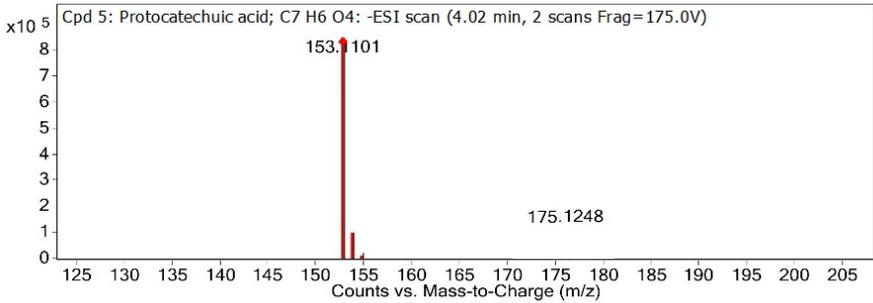
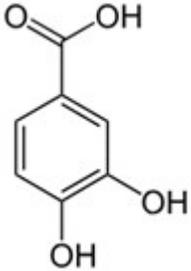
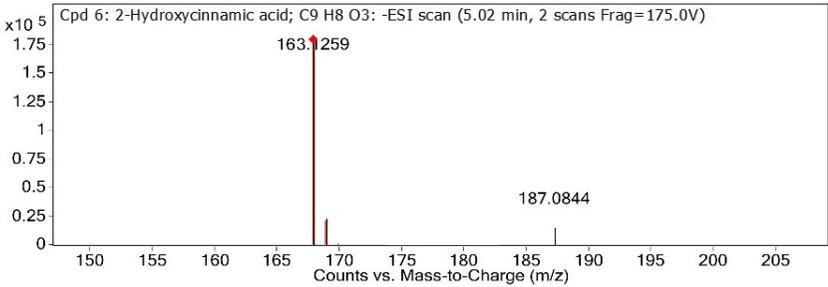
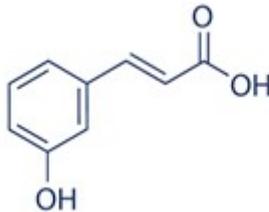
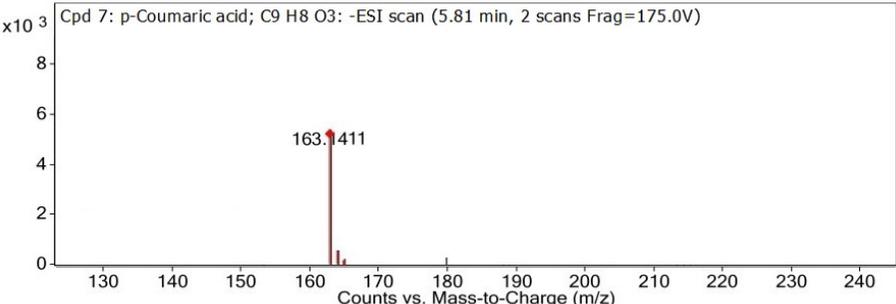
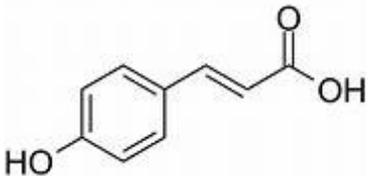
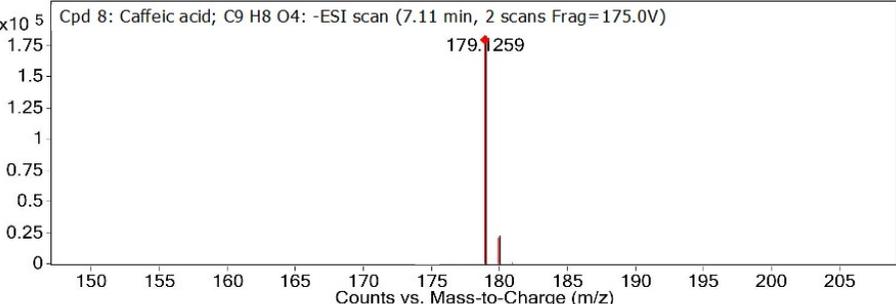
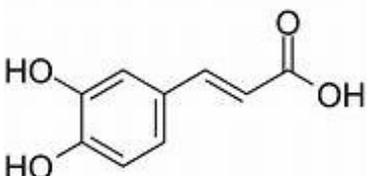
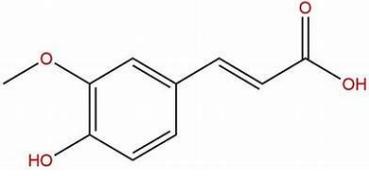
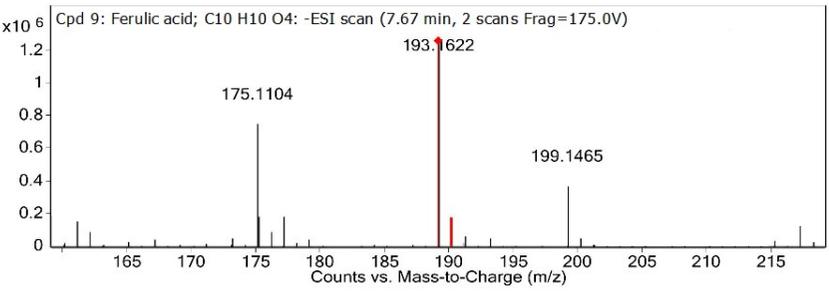
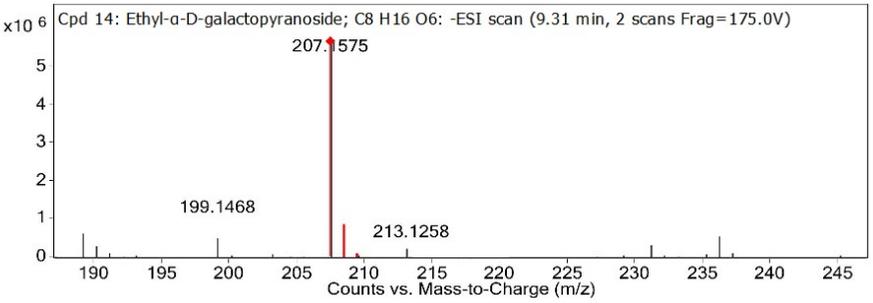
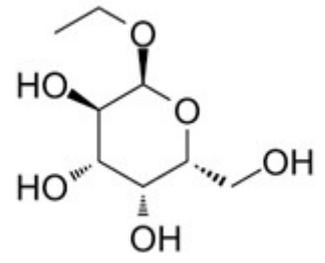
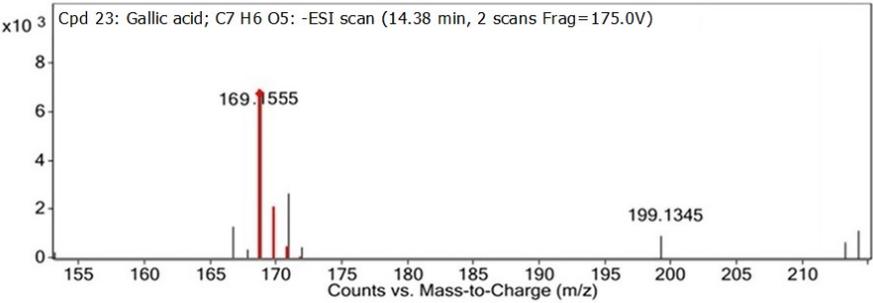
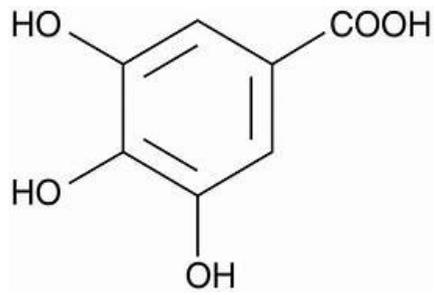


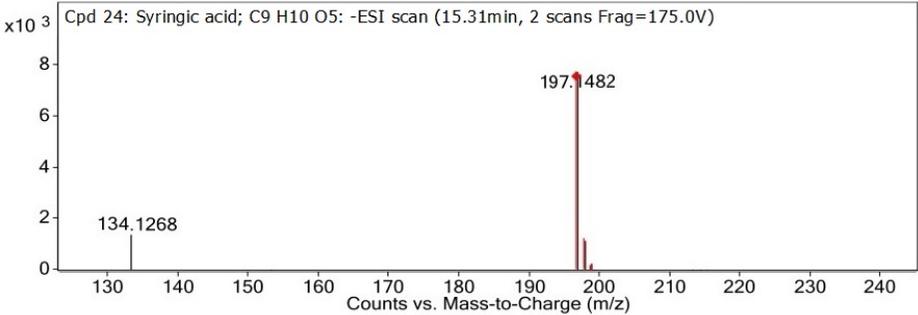
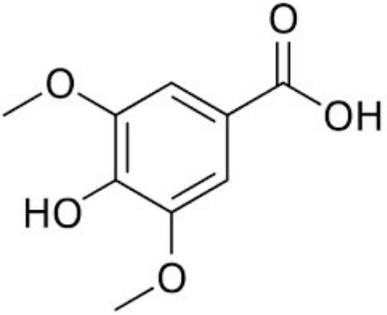
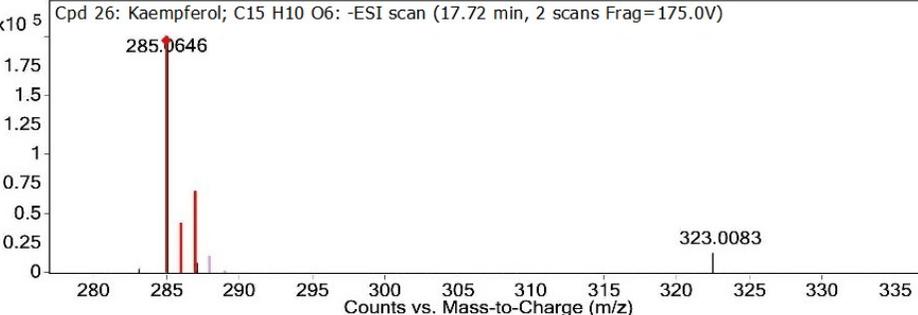
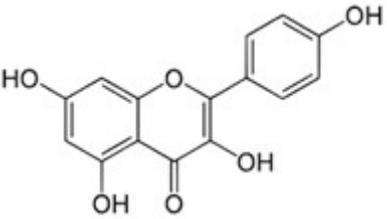
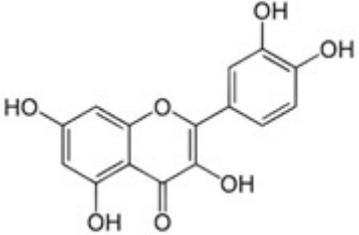
### Supplementary material

**Supplementary Table S1:** Phytochemical compounds identified in *Phyllanthus acidus* fruit extract by LC-MS/MS-QTOF analysis in negative ionization mode (ESI<sup>-</sup>).

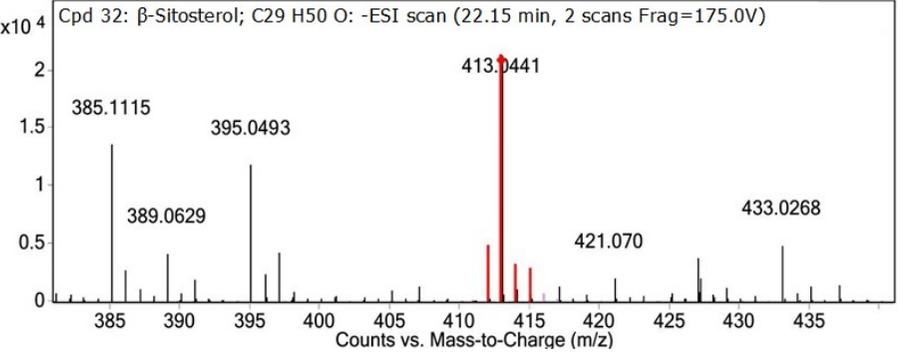
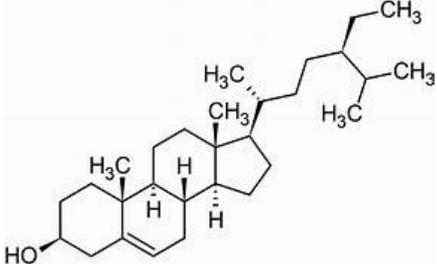
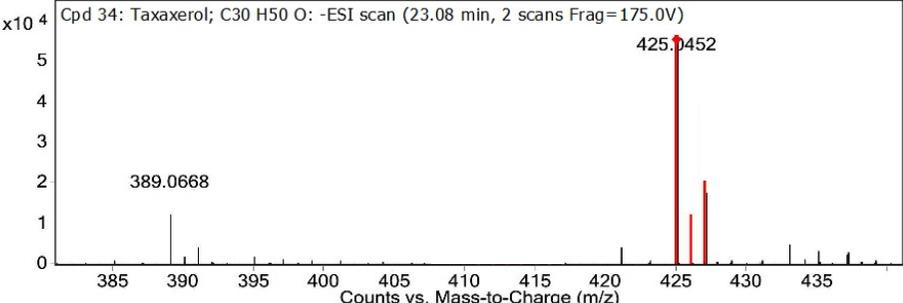
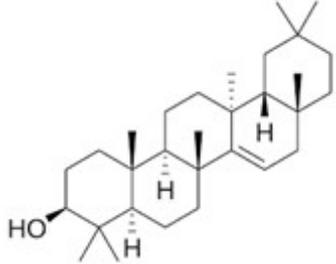
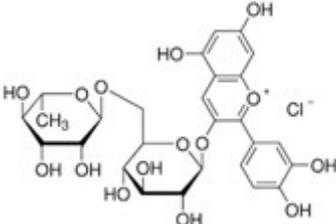
S.NO	Compounds	M/z mass spectrum of compounds	Structure of compounds
1	Protocatechuic acid	 <p>Cpd 5: Protocatechuic acid; C7 H6 O4: -ESI scan (4.02 min, 2 scans Frag=175.0V)</p>	 <chem>O=C(O)c1cc(O)c(O)cc1</chem>
2	2-Hydroxycinnamic acid	 <p>Cpd 6: 2-Hydroxycinnamic acid; C9 H8 O3: -ESI scan (5.02 min, 2 scans Frag=175.0V)</p>	 <chem>O=C(O)/C=C/c1ccc(O)cc1</chem>

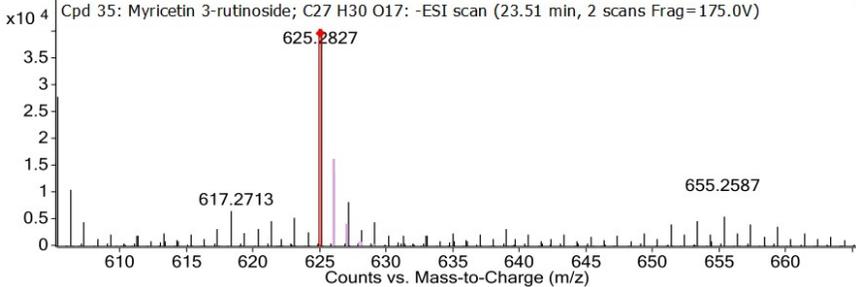
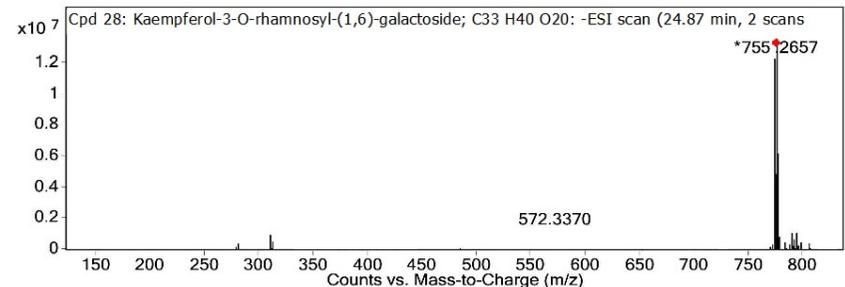
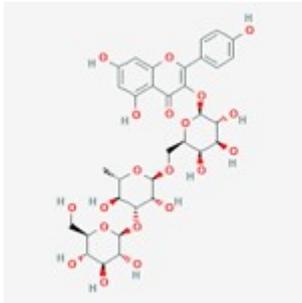
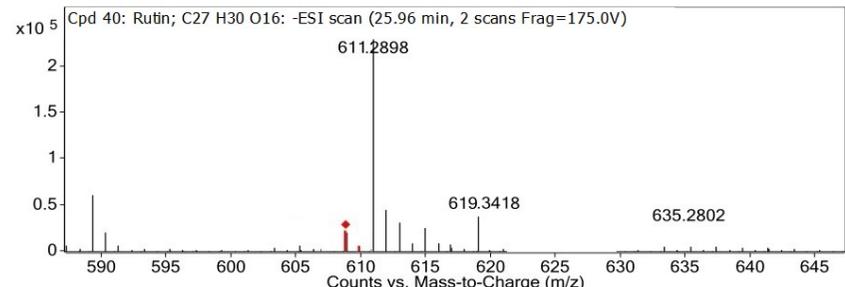
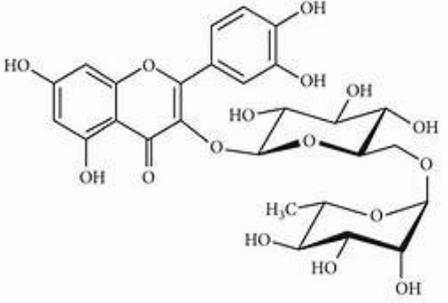
3	p-Coumaric acid	<p>Cpd 7: p-Coumaric acid; C<sub>9</sub>H<sub>8</sub>O<sub>3</sub>: -ESI scan (5.81 min, 2 scans Frag=175.0V)</p> 	
4	Caffeic acid	<p>Cpd 8: Caffeic acid; C<sub>9</sub>H<sub>8</sub>O<sub>4</sub>: -ESI scan (7.11 min, 2 scans Frag=175.0V)</p> 	
5	Ferulic acid		

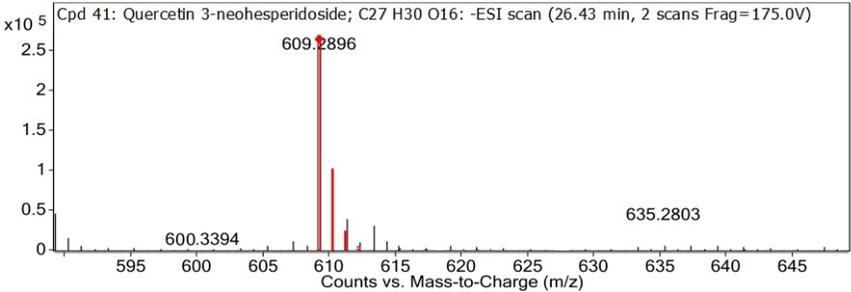
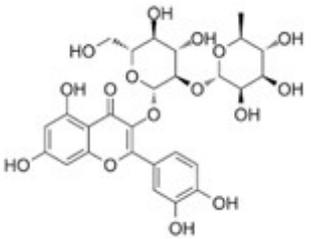
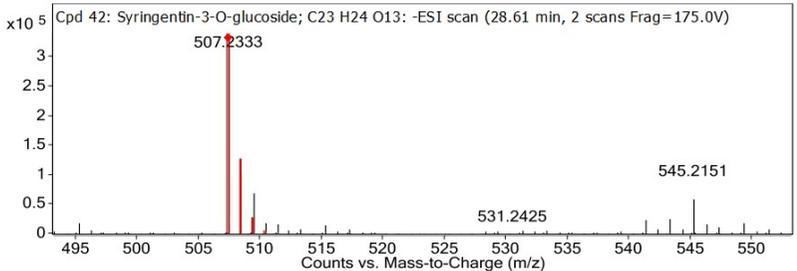
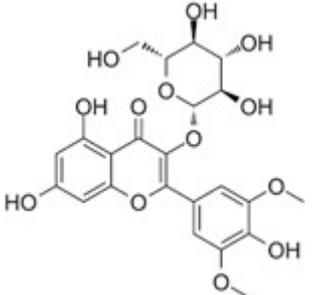
		<p>Cpd 9: Ferulic acid; C<sub>10</sub>H<sub>10</sub>O<sub>4</sub>: -ESI scan (7.67 min, 2 scans Frag=175.0V)</p>  <p>Mass spectrum showing relative intensity (x10<sup>6</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 193.1622. Other significant peaks are at m/z 175.1104 and 199.1465.</p>	
6	Ethyl- $\alpha$ -D-galactopyranoside	<p>Cpd 14: Ethyl-<math>\alpha</math>-D-galactopyranoside; C<sub>8</sub>H<sub>16</sub>O<sub>6</sub>: -ESI scan (9.31 min, 2 scans Frag=175.0V)</p>  <p>Mass spectrum showing relative intensity (x10<sup>6</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 207.1575. Other significant peaks are at m/z 199.1468 and 213.1258.</p>	 <p>Chemical structure of Ethyl-<math>\alpha</math>-D-galactopyranoside, showing the pyranose ring and the ethoxy group attached to the anomeric carbon (C1).</p>
7	Gallic acid	<p>Cpd 23: Gallic acid; C<sub>7</sub>H<sub>6</sub>O<sub>5</sub>: -ESI scan (14.38 min, 2 scans Frag=175.0V)</p>  <p>Mass spectrum showing relative intensity (x10<sup>3</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 169.1555. Other significant peaks are at m/z 199.1345.</p>	 <p>Chemical structure of Gallic acid, showing the benzene ring and the hydroxyl groups and carboxylic acid group.</p>

8	Syringic acid	 <p>Cpd 24: Syringic acid; C<sub>9</sub> H<sub>10</sub> O<sub>5</sub>: -ESI scan (15.31min, 2 scans Frag=175.0V)</p> <p>Mass spectrum showing relative intensity (x10<sup>3</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 197.1482. Other significant peaks are labeled at m/z 134.1268.</p>	 <p>Chemical structure of Syringic acid, a hydroxybenzoic acid derivative with two methoxy groups at the 3 and 4 positions.</p>
9	Kaempferol	 <p>Cpd 26: Kaempferol; C<sub>15</sub> H<sub>10</sub> O<sub>6</sub>: -ESI scan (17.72 min, 2 scans Frag=175.0V)</p> <p>Mass spectrum showing relative intensity (x10<sup>5</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 285.0646. A smaller peak is labeled at m/z 323.0083.</p>	 <p>Chemical structure of Kaempferol, a flavonoid with hydroxyl groups at positions 5, 7, and 8 on the A-ring, and a 4-hydroxyphenyl group at position 2 on the C-ring.</p>
10	Quercetin		 <p>Chemical structure of Quercetin, a flavonoid with hydroxyl groups at positions 5, 7, and 8 on the A-ring, and a 3,4-dihydroxyphenyl group at position 2 on the C-ring.</p>

		<p>Cpd 27: Quercetin; C15 H10 O7: -ESI scan (19.62 min, 2 scans Frag=175.0V)</p> <p>Mass spectrum showing relative intensity (x10<sup>5</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 301.2240. Other significant peaks are at m/z 293.1631 and m/z 332.2173.</p>	
11	Cyanidin-3-O-glucoside	<p>Cpd 29: Cyanidin-3-O-glucoside; C21 H21 Cl O11: -ESI scan (20.95 min, 2 scans Frag=175.0V)</p> <p>Mass spectrum showing relative intensity (x10<sup>4</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 483.2901. Other significant peaks are at m/z 454.2809 and m/z 479.2781.</p>	<p>Chemical structure of Cyanidin-3-O-glucoside, a flavan-3-ol glycoside, shown with a chloride counterion (Cl<sup>-</sup>).</p>
12	Delphinidin 3-O-β-glucoside	<p>Cpd 30: Delphinidin 3-O-β-glucoside; C21 H21 O12: -ESI scan (21.18 min, 2 scans Frag=175.0V)</p> <p>Mass spectrum showing relative intensity (x10<sup>4</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 464.2209. Other significant peaks are at m/z 450.9917 and m/z 490.9971.</p>	<p>Chemical structure of Delphinidin 3-O-β-glucoside, a flavan-3-ol glycoside, shown with a chloride counterion (Cl<sup>-</sup>).</p>

13	$\beta$ -Sitosterol	<p>Cpd 32: <math>\beta</math>-Sitosterol; C<sub>29</sub> H<sub>50</sub> O: -ESI scan (22.15 min, 2 scans Frag=175.0V)</p>  <p>Counts vs. Mass-to-Charge (m/z)</p>	
14	Taxaxerol	<p>Cpd 34: Taxaxerol; C<sub>30</sub> H<sub>50</sub> O: -ESI scan (23.08 min, 2 scans Frag=175.0V)</p>  <p>Counts vs. Mass-to-Charge (m/z)</p>	
15	Myricetin 3-rutinoside		

		<p>Cpd 35: Myricetin 3-rutinoside; C27 H30 O17: -ESI scan (23.51 min, 2 scans Frag=175.0V)</p>  <p>Counts vs. Mass-to-Charge (m/z)</p>	
16	Kaempferol-3-O-rhamnosyl-(1,6)-galactoside	<p>Cpd 28: Kaempferol-3-O-rhamnosyl-(1,6)-galactoside; C33 H40 O20: -ESI scan (24.87 min, 2 scans)</p>  <p>Counts vs. Mass-to-Charge (m/z)</p>	
17	Rutin	<p>Cpd 40: Rutin; C27 H30 O16: -ESI scan (25.96 min, 2 scans Frag=175.0V)</p>  <p>Counts vs. Mass-to-Charge (m/z)</p>	

18	Quercetin 3-neohesperidoside	<p>Cpd 41: Quercetin 3-neohesperidoside; C<sub>27</sub>H<sub>30</sub>O<sub>16</sub>: -ESI scan (26.43 min, 2 scans Frag=175.0V)</p>  <p>Mass spectrum showing relative intensity (x10<sup>5</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 609.2896. Other significant peaks are labeled at m/z 600.3394 and m/z 635.2803.</p>	 <p>Chemical structure of Quercetin 3-neohesperidoside, showing the quercetin aglycone linked to a neohesperidose sugar moiety at the 3-position.</p>
19	Syringetin-3-O-glucoside	<p>Cpd 42: Syringetin-3-O-glucoside; C<sub>23</sub>H<sub>24</sub>O<sub>13</sub>: -ESI scan (28.61 min, 2 scans Frag=175.0V)</p>  <p>Mass spectrum showing relative intensity (x10<sup>5</sup>) versus mass-to-charge ratio (m/z). The base peak is at m/z 507.2333. Other significant peaks are labeled at m/z 531.2425 and m/z 545.2151.</p>	 <p>Chemical structure of Syringetin-3-O-glucoside, showing the syringetin aglycone linked to a glucose sugar moiety at the 3-position.</p>