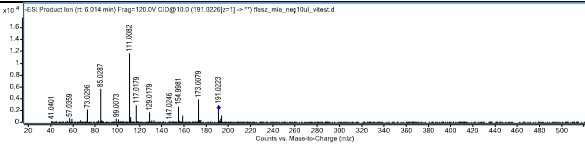
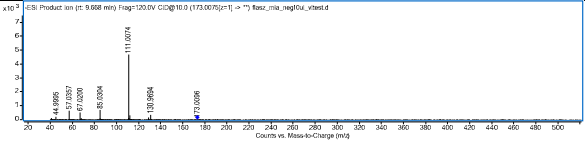
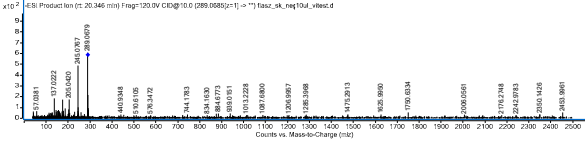
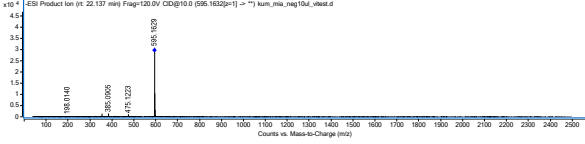
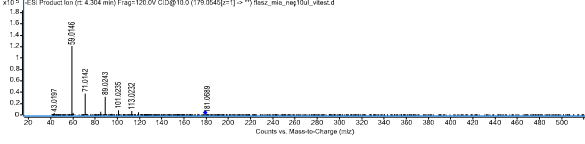
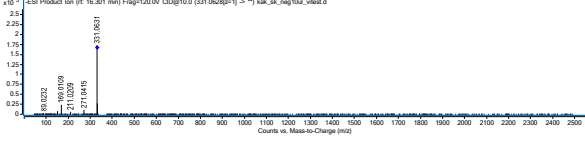
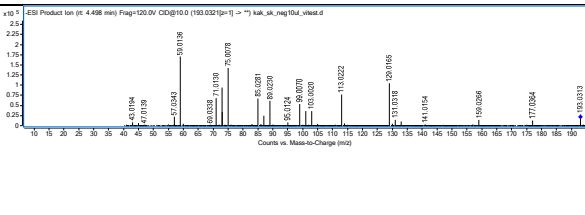
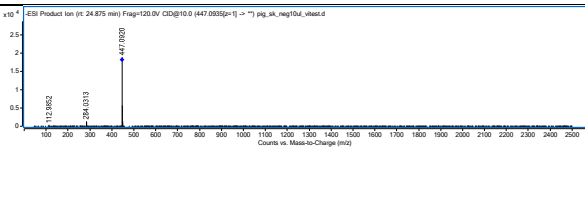
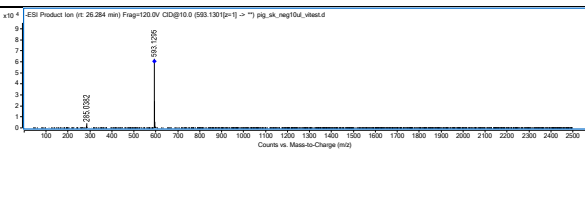
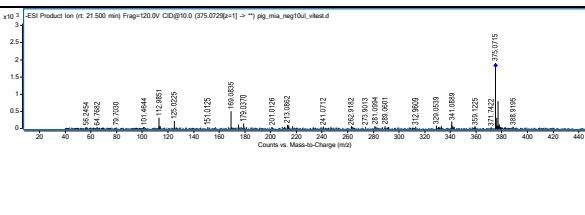
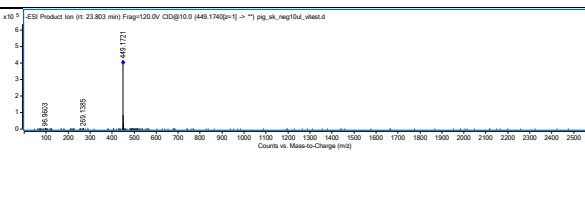


SUPPLEMENTARY FILE

Table S1. The MS/MS spectra recorded for the investigated samples

Name of the compound	MS/MS spectrum
(Z)-chlorogenic acid	
3,5-Di-C-beta-glucopyranosylphoretin	
3-beta-glucopyra-nosy-loxy-2-hydroxy-1-(4-hydroxy-3-methophe-nyl)-propan-1-one	
Acetin-7-C-neohesperidoside (fortunellin)	
Ascorbyl glucoside	
Carveol	
Chlorogenic acid	

Citric acid	 <p>Mass spectrum of Citric acid. The x-axis represents m/z from 20 to 500, and the y-axis represents relative intensity from 0 to 1.5. The base peak is at m/z 111.082. Other labeled peaks include 41.0461, 57.0209, 71.0206, 85.0207, 99.0773, 113.0779, 126.0681, 139.0793, and 151.0223.</p>
Dehydroascorbic acid	 <p>Mass spectrum of Dehydroascorbic acid. The x-axis represents m/z from 20 to 500, and the y-axis represents relative intensity from 0 to 7. The base peak is at m/z 111.0074. Other labeled peaks include 44.0995, 57.0207, 71.0200, 85.0204, 113.0654, and 127.0295.</p>
Epicatechin	 <p>Mass spectrum of Epicatechin. The x-axis represents m/z from 20 to 2500, and the y-axis represents relative intensity from 0 to 10. The base peak is at m/z 301.0709. Other labeled peaks include 171.0811, 173.0222, 203.0402, 243.0769, 255.0769, 343.0769, 443.0769, 455.0769, 573.0769, 585.0769, 693.0769, 705.0769, 813.0769, 825.0769, 933.0769, 945.0769, 1053.0769, 1065.0769, 1173.0769, 1185.0769, 1293.0769, 1305.0769, 1413.0769, 1425.0769, 1533.0769, 1545.0769, 1653.0769, 1665.0769, 1773.0769, 1785.0769, 1893.0769, 1905.0769, 2013.0769, 2025.0769, 2133.0769, 2145.0769, 2253.0769, 2265.0769, 2373.0769, 2385.0769, 2493.0769, 2505.0769.</p>
Eriocitrin	 <p>Mass spectrum of Eriocitrin. The x-axis represents m/z from 20 to 2500, and the y-axis represents relative intensity from 0 to 4.5. The base peak is at m/z 395.1629. Other labeled peaks include 188.1148, 200.1000, 212.1223, and 224.1223.</p>
Fructose	 <p>Mass spectrum of Fructose. The x-axis represents m/z from 20 to 500, and the y-axis represents relative intensity from 0 to 1.8. The base peak is at m/z 93.0146. Other labeled peaks include 43.0197, 71.0142, 83.0142, 95.0142, 107.0142, 119.0142, 131.0142, 143.0142, 155.0142, 167.0142, 179.0142, 191.0142, 203.0142, 215.0142, 227.0142, 239.0142, 251.0142, 263.0142, 275.0142, 287.0142, 299.0142, 311.0142, 323.0142, 335.0142, 347.0142, 359.0142, 371.0142, 383.0142, 395.0142, 407.0142, 419.0142, 431.0142, 443.0142, 455.0142, 467.0142, 479.0142, 491.0142, 503.0142, 515.0142, 527.0142, 539.0142, 551.0142, 563.0142, 575.0142, 587.0142, 599.0142, 611.0142, 623.0142, 635.0142, 647.0142, 659.0142, 671.0142, 683.0142, 695.0142, 707.0142, 719.0142, 731.0142, 743.0142, 755.0142, 767.0142, 779.0142, 791.0142, 803.0142, 815.0142, 827.0142, 839.0142, 851.0142, 863.0142, 875.0142, 887.0142, 899.0142, 911.0142, 923.0142, 935.0142, 947.0142, 959.0142, 971.0142, 983.0142, 995.0142, 1007.0142, 1019.0142, 1031.0142, 1043.0142, 1055.0142, 1067.0142, 1079.0142, 1091.0142, 1103.0142, 1115.0142, 1127.0142, 1139.0142, 1151.0142, 1163.0142, 1175.0142, 1187.0142, 1199.0142, 1211.0142, 1223.0142, 1235.0142, 1247.0142, 1259.0142, 1271.0142, 1283.0142, 1295.0142, 1307.0142, 1319.0142, 1331.0142, 1343.0142, 1355.0142, 1367.0142, 1379.0142, 1391.0142, 1403.0142, 1415.0142, 1427.0142, 1439.0142, 1451.0142, 1463.0142, 1475.0142, 1487.0142, 1499.0142, 1511.0142, 1523.0142, 1535.0142, 1547.0142, 1559.0142, 1571.0142, 1583.0142, 1595.0142, 1607.0142, 1619.0142, 1631.0142, 1643.0142, 1655.0142, 1667.0142, 1679.0142, 1691.0142, 1703.0142, 1715.0142, 1727.0142, 1739.0142, 1751.0142, 1763.0142, 1775.0142, 1787.0142, 1799.0142, 1811.0142, 1823.0142, 1835.0142, 1847.0142, 1859.0142, 1871.0142, 1883.0142, 1895.0142, 1907.0142, 1919.0142, 1931.0142, 1943.0142, 1955.0142, 1967.0142, 1979.0142, 1991.0142, 2003.0142, 2015.0142, 2027.0142, 2039.0142, 2051.0142, 2063.0142, 2075.0142, 2087.0142, 2099.0142, 2111.0142, 2123.0142, 2135.0142, 2147.0142, 2159.0142, 2171.0142, 2183.0142, 2195.0142, 2207.0142, 2219.0142, 2231.0142, 2243.0142, 2255.0142, 2267.0142, 2279.0142, 2291.0142, 2303.0142, 2315.0142, 2327.0142, 2339.0142, 2351.0142, 2363.0142, 2375.0142, 2387.0142, 2399.0142, 2411.0142, 2423.0142, 2435.0142, 2447.0142, 2459.0142, 2471.0142, 2483.0142, 2495.0142, 2507.0142.</p>
Glucogallin isomer 1	 <p>Mass spectrum of Glucogallin isomer 1. The x-axis represents m/z from 20 to 2500, and the y-axis represents relative intensity from 0 to 2.5. The base peak is at m/z 331.0621. Other labeled peaks include 161.0222, 173.0222, 185.0222, 197.0222, 209.0222, 221.0222, 233.0222, 245.0222, 257.0222, 269.0222, 281.0222, 293.0222, 305.0222, 317.0222, 329.0222, 341.0222, 353.0222, 365.0222, 377.0222, 389.0222, 401.0222, 413.0222, 425.0222, 437.0222, 449.0222, 461.0222, 473.0222, 485.0222, 497.0222, 509.0222, 521.0222, 533.0222, 545.0222, 557.0222, 569.0222, 581.0222, 593.0222, 605.0222, 617.0222, 629.0222, 641.0222, 653.0222, 665.0222, 677.0222, 689.0222, 701.0222, 713.0222, 725.0222, 737.0222, 749.0222, 761.0222, 773.0222, 785.0222, 797.0222, 809.0222, 821.0222, 833.0222, 845.0222, 857.0222, 869.0222, 881.0222, 893.0222, 905.0222, 917.0222, 929.0222, 941.0222, 953.0222, 965.0222, 977.0222, 989.0222, 1001.0222, 1013.0222, 1025.0222, 1037.0222, 1049.0222, 1061.0222, 1073.0222, 1085.0222, 1097.0222, 1109.0222, 1121.0222, 1133.0222, 1145.0222, 1157.0222, 1169.0222, 1181.0222, 1193.0222, 1205.0222, 1217.0222, 1229.0222, 1241.0222, 1253.0222, 1265.0222, 1277.0222, 1289.0222, 1301.0222, 1313.0222, 1325.0222, 1337.0222, 1349.0222, 1361.0222, 1373.0222, 1385.0222, 1397.0222, 1409.0222, 1421.0222, 1433.0222, 1445.0222, 1457.0222, 1469.0222, 1481.0222, 1493.0222, 1505.0222, 1517.0222, 1529.0222, 1541.0222, 1553.0222, 1565.0222, 1577.0222, 1589.0222, 1601.0222, 1613.0222, 1625.0222, 1637.0222, 1649.0222, 1661.0222, 1673.0222, 1685.0222, 1697.0222, 1709.0222, 1721.0222, 1733.0222, 1745.0222, 1757.0222, 1769.0222, 1781.0222, 1793.0222, 1805.0222, 1817.0222, 1829.0222, 1841.0222, 1853.0222, 1865.0222, 1877.0222, 1889.0222, 1901.0222, 1913.0222, 1925.0222, 1937.0222, 1949.0222, 1961.0222, 1973.0222, 1985.0222, 1997.0222, 2009.0222, 2021.0222, 2033.0222, 2045.0222, 2057.0222, 2069.0222, 2081.0222, 2093.0222, 2105.0222, 2117.0222, 2129.0222, 2141.0222, 2153.0222, 2165.0222, 2177.0222, 2189.0222, 2201.0222, 2213.0222, 2225.0222, 2237.0222, 2249.0222, 2261.0222, 2273.0222, 2285.0222, 2297.0222, 2309.0222, 2321.0222, 2333.0222, 2345.0222, 2357.0222, 2369.0222, 2381.0222, 2393.0222, 2405.0222, 2417.0222, 2429.0222, 2441.0222, 2453.0222, 2465.0222, 2477.0222, 2489.0222, 2501.0222.</p>
Glucogallin isomer 2	

Hexuronic acid	
Kaempferol galactoside	
Kaempferol rutinoside	
Limocitrol	
Luteolin glucoside	
Malic acid	

Proline	<p>ESI Product Ion (t: 5.287 min) Frag=120.0V CD@10.0 (116.0704[m-1] -> *) fauz_mia_pos10i_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>
Propylglutaric acid	<p>ESI Product Ion (t: 25.118 min) Frag=120.0V CD@10.0 (173.0759[m-1] -> *) kak_uk_neg10d_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>
Quercetine galactoside	<p>ESI Product Ion (t: 24.400 min) Frag=120.0V CD@10.0 (463.0883[m-1] -> *) pig_uk_neg10d_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>
Quinic acid	<p>ESI Product Ion (t: 4.688 min) Frag=120.0V CD@10.0 (191.0536[m-1] -> *) fiaz_uk_neg10d_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>
Rhoiflorin	<p>ESI Product Ion (t: 23.645 min) Frag=120.0V CD@10.0 (577.1533[m-1] -> *) kam_mia_neg10d_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>
Rutoside	<p>ESI Product Ion (t: 23.719 min) Frag=120.0V CD@10.0 (609.1459[m-1] -> *) pig_uk_neg10d_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>
Spathulenol	<p>ESI Product Ion (t: 25.120 min) Frag=120.0V CD@10.0 (221.1905[m-1] -> *) kam_mia_pos10d_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>
Vicenin	<p>ESI Product Ion (t: 22.388 min) Frag=120.0V CD@10.0 (353.1473[m-1] -> *) kam_mia_neg10d_vtest.d</p> <p>Counts vs. Mass-to-Charge (m/z)</p>

Xylonic acid

