**Supporting Information**

**Integration of offline two-dimensional chromatography and predicted natural product scanning for discovery of novel natural compounds: Characterization of barrigenol-type triterpenoids saponins in the shell of *Xanthoceras sorbifolium* Bunge**

Fig. S1. Influence of column on the 2D chromatographic separation of XSB

Fig. S2. The TIC spectra of triterpenoid saponin in different mobile phase conditions

Fig. S3. Influence of column temperatures on the 2D chromatographic separation of XSB

Fig. S4. The optimization of wavelength for the 1D chromatographic separation on Xbridge Amide column using waters HPLC e2695-2998 PDA

Fig. S5. The EIC chromatogram of four barrigenol type triterpenoids

Fig. S6-13. 1H NMR, 13C NMR, HSQC and HMBC of all compounds

Table S1. 21 barrigenol saponins reference standards

Table S2. The retention time of 24 triterpene saponins for orthogonality evaluation

Table S3. The information of 128 barrigenol type triterpenoids identified from the husks of XSB

Table S4. Full information of 752 barrigenol type triterpenoids identified from the husks of XSB with PNPS



**Fig. S1. Influence of column on the** **2D chromatographic separation of XSB**

A: Thermo Hypersil gold; B: Waters HSS T3; C: Waters BEH C18



**Fig. S2. The TIC spectra of triterpenoid saponin in different mobile phase conditions**

A: ACN-5 Mm AF; B: ACN-H2O; C: ACN-0.1% FA



**Fig. S3.** **Influence of column temperatures on the 2D chromatographic separation of XSB**

A: 25℃; B:30℃; C:40℃

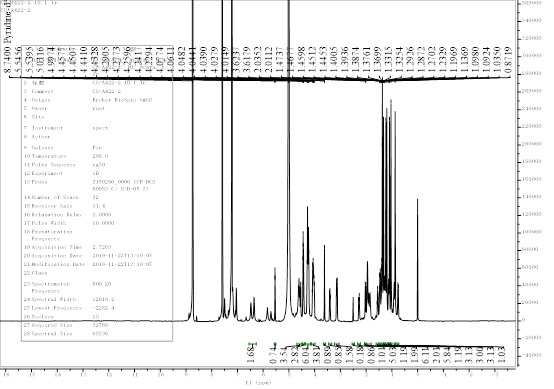


**Fig. S4.** **The optimization of wavelength for the 1D chromatographic separation on Xbridge Amide column using waters HPLC e2695-2998 PDA**

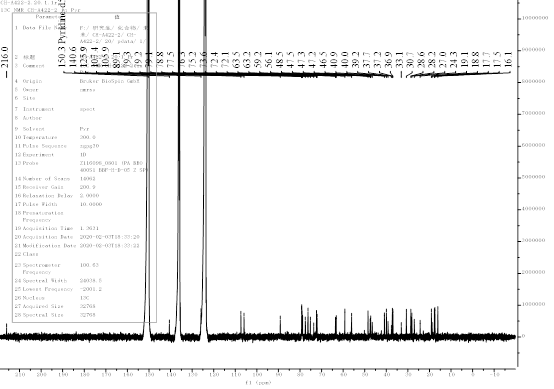
A: 210 nm; B: 230 nm; C: 254 nm



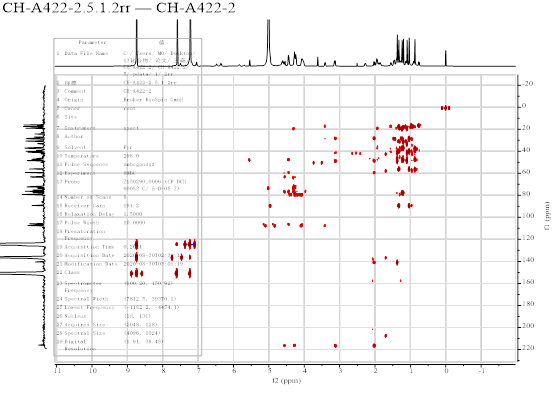
**Fig. S5. The EIC chromatogram of four barrigenol type triterpenoids**



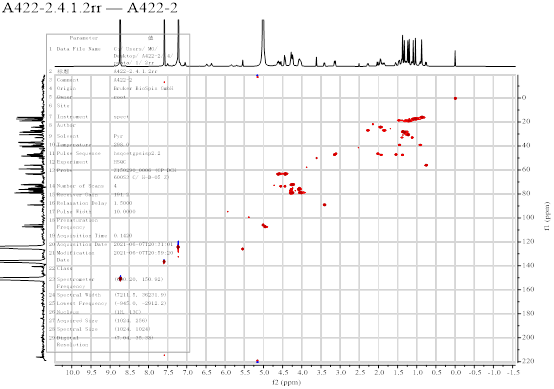
**Fig. S6 1H-NMR spectrum of 1**



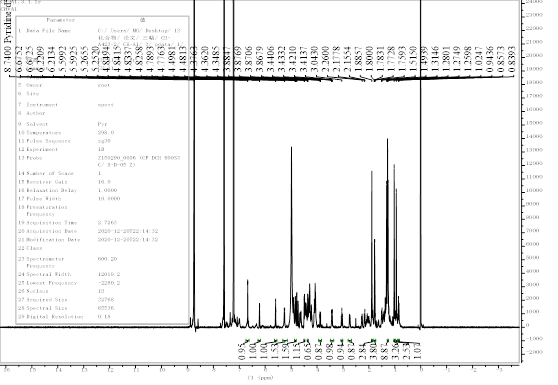
**Fig. S7 13C-NMR spectrum of 1**



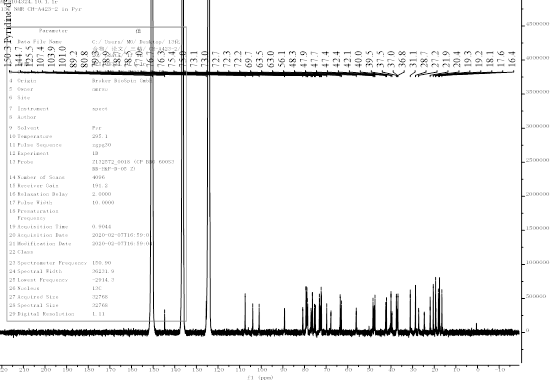
**Fig. S8 HMBC spectrum of** **1**



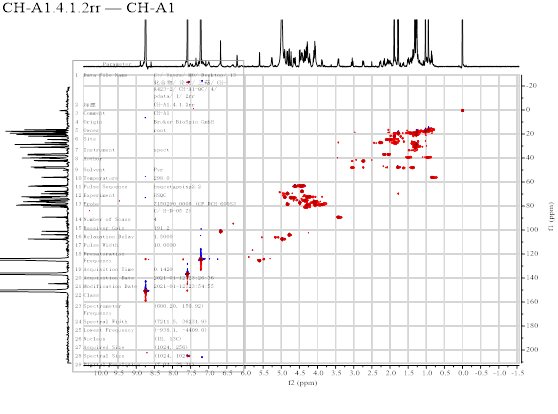
**Fig. S9 HSQC spectrum of** **1**



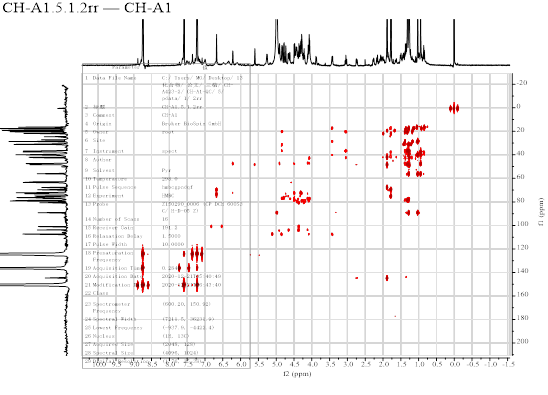
**Fig. S10 1H-NMR spectrum of 2**



**Fig. S11 13C-NMR spectrum of 2**



**Fig. S12 HMBC spectrum of 2**



**Fig. S13 HSQC spectrum of 2**

**Table S1. 21 barrigenol saponins reference standards**

|  |  |  |
| --- | --- | --- |
| No. | Name | Formula |
| 1 | xanifolia O54 | C60H100O28 |
| 2 | 3-*O*-*β*-D-glucopyranosyl (1→6)-*β*-D-glucopyranosyl,28-*O*-[*α*-L- rhamnopyranosyl (1→2)-*β*-D-glucopyranosyl]-16-deoxybarring togenol C | C54H90O23 |
| 3 | 3-*O*- [(3-*O*-*α*-l-arabinofuranosyl-2-*O*-*β*-D-galactop yranosyl)-*β*-D-glucuronopyranosyl]-21,22-di-*O*-angeloyl-R1-barrigenol | C57H90O20 |
| 4 | sorbifoside A | C67H108O30 |
| 5 | 3-*O*-*β*-D-glucopyranosyl (1→6)-[angeloyl (1→2)]-*β*-D-glucopyranosyl-28-*O*-*α*-L-rhamnopyranosyl(1→2)-[*β*-D-glucopyranosyl(1→6)]-*β*-D-glucopyranosyl-21*β*,22*α*-dihydroxyl-olean-12-ene | C65H108O29 |
| 6 | sorbifoside C | C65H106O29 |
| 7 | 3-*O*-*β*-D-glucopyranosyl, 28-*O*-[*α*-L-rhamnosyl (1→2)]-*β*-D-glucopyranosyl 16-deoxybarringtogenol C | C48H80O18 |
| 8 | 3-*O*-*β*-D-glucopyranosyl (1→6) *β*-D-glucopyranosyl-28-*O*-*α*-L-rhamnopyranosyl(1→2) [*β*-D-glucopyranosyl (1→6)] *β*-D-glucopyranosyl-21*β*,22*α*-dihydroxyl-olean-12,15-diene | C60H98O28 |
| 9 | xanthohuskiside B | C60H100O29 |
| 10 | 3-*O*-*β*-D-glucopyranosyl-28-*O*-*β*-D-glucopyranosyl (1→2)-*β*-D-glucopyranosyl-deoxybarringtogenol C | C48H80O19 |
| 11 | Xanthoceraside | C57H88O23 |
| 12 | 3-*O*-*β*-D-glucopyranosyl (1→6) *β*-D-glucopyranosyl-28-*O*-*β*-D-glucopyranosyl (1→2)-*α*-L-rhamnopyranosyl-16-deoxybarringtogenol C | C54H90O23 |
| 13 | 3-*O*-*β*-D-glucopyranosyl-28-*O*-[*α*-L-rhamnopyranosyl(1→2)]-*β*-D glucopyranosyl-olean-12-ene-3*β*,15*α*,21*β*,22*α*,28*β*-pentol | C48H80O19 |
| 14 | 3-*O*-*β*-D-glucopyranosyl-28-*O*-[*α*-L-rhamnopyranosyl(1→2)]-*β*-D-glucopyranosyl-3*β*,21*β*,22*α*-trihydroxy-olean-12-ene-16-ketone | C48H78O19 |
| 15 | 3-*O*-[*β*-D-glucopyranosyl (1→6)]- (2′-*O*-angeloyl)-*β*-D-glucopyranosyl-28-*O*-[*α*-L-rhamnopyranosyl(1→2)]-*β*-D-glucopyranosyl- 3*β*,21*β*,22*α*-trihydroxy-olean-12-ene-16-ketone | C59H94O25 |
| 16 | 3-*O*-[*β*-D-glucopyranosyl (1→6)]-*β*-D-glucopyranosyl barrigenol C | C42H70O15 |
| 17 | 3-*O*-*β*-D-glucopyranosyl-28-*O*-[*α*-L-rhamnopyranosyl (1→2)]-*β*-D-glucopyranosyl barrigenol C | C48H80O19 |
| 18 | 3-*O*-[*β*-D-glucopyranosyl (1→6)]-*β*-D-glucopyranosyl-28-*O*-*β*-D-glucopyranosyl (1→6)[*α*-L-rhamnopyranosyl (1→2)-*β*-D-glucopyranosyl]-16-deoxybarrigenol C | C62H102O29 |
| 19 | 21-*O*-acetyl-3-*O*-*β*-D-glucopyranosyl-28-*O*-[*α*-L-rhamnopyranosyl (1→2)]-*β*-D-glucopyranosyl-16-deoxybarrigenol C | C50H82O19 |
| 20 | 21-*O*-acetyl-3-*O*-[*β*-D-glucopyranosyl(1→6)]-(3′-angeloyl)-(4′- acetyl)-β-D-glucopyranosyl-28-*O*-*β*-D-glucopyranosyl(1→6)[*α*-L-rhamnopyranosyl(1→2)-*β*-D-glucopyranosyl]-16-deoxybarrigenol C | C69H110O31 |
| 21 | 3*β*,21*β*,22*α*-trihydroxy-olean-12-ene-28-oic acid-3-*O*-*β*-D-glucopyranosyl-28-*O*- [*β*-D-glucopyranosyl(1→2)]-*β*-D-glucopyranosyl ester | C48H78O20 |

**Table S2. The retention time of 24 triterpene saponins for orthogonality evaluation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *m/z* | tR in 2D | tR in 1D | *m/z* | tR in 2D | tR in 1D |
| 813.46 | 6.16 | 20.96 | 1123.59 | 5.73 | 29.46 |
| 945.54 (1) | 6.57 | 23.79 | 1158.60 | 16.37 | 16.64 |
| 945.54 (2) | 6.6 | 25.49 | 1197.61 | 17.63 | 17.66 |
| 959.52 | 6.03 | 25.81 | 1203.61 | 7.61 | 25.21 |
| 977.53 | 5.96 | 26.92 | 1203.62 | 8.11 | 26.45 |
| 983.52 | 6.15 | 28.72 | 1269.65 | 5.70 | 29.42 |
| 987.55 | 7.85 | 19.37 | 1327.65 | 5.88 | 28.09 |
| 992.54 | 6.24 | 26.71 | 1393.70 | 9.33 | 26.75 |
| 1017.53 | 6.26 | 21.95 | 1351.69 | 8.27 | 27.57 |
| 1091.60 | 6.13 | 28.16 | 961.53 (1) | 6.09 | 27.25 |
| 1107.59 (1) | 5.93 | 28.00 | 961.53 (2) | 5.93 | 26.77 |
| 1107.59 (2) | 6.04 | 28.21 | 961.54 (3) | 6.32 | 26.29 |

**Table S3. The information of 128 barrigenol type triterpenoids identified from the husks of XSB**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Rt  (min) | Precursor  ions (*m/z*) | Mass error  (ppm) | Formula | MS/MS | Identification | Fr |
| 1 | 5.29 | 637.4333 | 3.57 | C36H60O9 | 619.42, 601.41, 475.38, 457.37, 439.36 | 16-deoxy-barringtogenol C-Glc | Fr.10 |
| 2 | 5.29 | 799.4866 | 2.90 | C42H70O14 | 637.44, 619.43, 457.38 | 16-deoxy-barringtogenol C-2Glc | Fr.10 |
| 3 | 5.29 | 945.545 | 3.30 | C48H80O18 | 799.49, 783.50, 621.45, 603.44 | 16-deoxy-barringtogenol C-Rha-2Glc | Fr.10 |
| 4 | 5.29 | 638.4369 | -3.80 | C36H61O9 | 620.43, 476.39, 458.38, 440.37 | 16-deoxy-barringtogenol C-Glc | Fr.10 |
| 5 | 5.29 | 1109.6052 | -5.05 | C54H92O23 | 963.55, 947.56, 815.50, 653.45, 491.40 | 16-deoxy-barringtogenol C-Rha-3Glc | Fr.10 |
| 6\* | 5.43 | 1285.6454 | 2.40 | C60H100O29 | 1123.59, 1105.58, 1003.55, 961.54, 943.53, 799.48 | 16-deoxy-barringtogenol C-5Glc | Fr.9 |
| 7 | 5.66 | 1140.5855 | 12.59 | C57H87O23 | 1040.53, 1008.54, 978.53, 878.48 | barrigenol R1-2Ang-Glc-Ara-Gal | Fr.8 |
| 8 | 5.71 | 799.4829 | -1.53 | C42H70O14 | 781.47, 637.43, 619.42, 475.38 | 16-deoxy-barringtogenol C-2Glc | Fr.9 |
| 9\* | 5.71 | 1269.6468 | -0.42 | C60H100O28 | 1123.58, 1107.59, 961.53, 945.54, 799.49, 637.43 | 16-deoxy-barringtogenol C-4Glc-Rha | Fr.9 |
| 10 | 5.9 | 1140.5523 | -16.52 | C57H87O23 | 1040.50, 1008.51, 978.50, 908.46, 846.46 | barrigenol R1-2Ang-Ara-Gal-Glc | Fr.9 |
| 11 | 5.93 | 1109.6014 | -8.57 | C54H92O23 | 963.54, 947.55, 801.49, 639.44, 477.39 | 16-deoxy-barringtogenol C-Rha-3Glc | Fr.9 |
| 12 | 5.93 | 622.4398 | 14.21 | C35H56O8 | 604.43, 522.39, 504.38 | barrigenol R1-Ang | Fr.9 |
| 13 | 5.93 | 1165.5988 | 19.29 | C57H90O23 | 1065.55, 1033.56, 1003.55, 871.51 | barrigenol R1-Ang-Ara-Gal-Glc | Fr.9 |
| 14\* | 5.93 | 1107.596 | 1.25 | C54H90O23 | 1091.60, 961.54, 945.54, 783.49, 619.42, 611.20 | 16-deoxy-barringtogenol C-3Glc-Rha | Fr.9 |
| 15 | 5.94 | 727.4416 | 3.49 | C40H64O10 | 709.43, 627.39, 609.38, 591.37 | barrigenol R1-Ang | Fr.9 |
| 16 | 5.97 | 1179.5818 | -9.93 | C58H92O23 | 1079.53, 1047.54, 1017.53, 947.49 | barrigenol R1-Ang-Ara-Gal-Glc | Fr.9 |
| 17 | 6.08 | 779.4584 | 1.05 | C42H66O13 | 679.41, 617.41, 599.40, 581.39 | barrigenol R1-Ang-Glc | Fr.9 |
| 18 | 6.21 | 1165.5678 | -7.41 | C57H90O23 | 1033.52, 959.52, 941.51, 871.47, 813.47 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.8 |
| 19 | 6.22 | 823.4838 | -15.76 | C46H72O11 | 723.43, 677.42, 577.37, 559.36 | barringtogenol C-Ang-Fuc | Fr.9 |
| 20 | 6.27 | 1117.567 | -10.87 | C55H88O23 | 1017.52, 985.53, 955.52, 855.47 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.8 |
| 21\* | 6.33 | 961.5321 | -4.65 | C48H80O19 | 799.48, 781.47, 647.38, 601.41, 453.30 | barringtogenol C-3Glc | Fr.9 |
| 22 | 6.35 | 1109.5961 | -11.87 | C54H92O23 | 963.42, 947.46, 801.45, 639.42 | 16-deoxy-barringtogenol C-3Glc-Rha | Fr.7 |
| 23 | 6.35 | 1091.5662 | -9.12 | C55H88O20 | 991.52, 945.51, 929.52, 783.46 | 16-deoxy-barringtogenol C-Ang-2Glc-Rha | Fr.8 |
| 24 | 6.56 | 799.4825 | -1.07 | C42H70O14 | 781.47, 637.43, 475.38 | 16-deoxy-barringtogenol C-2Glc | Fr.8 |
| 25\* | 6.57 | 945.5396 | -1.48 | C48H80O18 | 799.48, 783.49, 619.42, 601.41, 467.32 | 16-deoxy-barringtogenol C-2Glc-Rha | Fr.8 |
| 26 | 6.68 | 799.4866 | 3.20 | C42H70O14 | 637.43, 457.37, 439.36 | 16-deoxy-barringtogenol C-Glc | Fr.7 |
| 27 | 6.68 | 1177.5662 | -8.79 | C58H90O23 | 1077.52, 1045.53, 1015.52, 915.47, 783.43 | 16-deoxy-barringtogenol C-2Ang-Ara-2Glc | Fr.9 |
| 28 | 6.69 | 1158.62 | 13.07 | C57H88O23 | 1058.57, 1026.58, 996.57, 896.52, 764.48 | barrigenol R1-2Ang-Ara-2Glc | Fr.9 |
| 29 | 7.15 | 1219.6138 | 3.49 | C59H94O26 | 1119.56, 1057.56, 957.51, 795.46, 633.41 | 16-ketone-barringtogenol C-Ang-4Glc | Fr.9 |
| 30 | 7.17 | 693.4234 | -15.28 | C40H62O8 | 675.45, 657.48, 593.19, 575, 44 | barringtogenol C-Ang | Fr.7 |
| 31 | 7.38 | 589.4124 | 3.47 | C35H56O7 | 571.40, 553.39, 489.36, 471.35 | barrigenol R1-Ang | Fr.9 |
| 32 | 7.4 | 861.5038 | -0.18 | C47H72O14 | 761.45, 699.45, 681.44, 661.40 | barrigenol R1-2Ang-Glc | Fr.9 |
| 33 | 7.53 | 823.4855 | -14.94 | C46H72O11 | 805.47, 723.43, 661.40, 643.39 | barringtogenol C-Ang-Fuc | Fr.8 |
| 34 | 7.53 | 679.4439 | 1.47 | C38H62O10 | 661.43, 643.42, 533.38 | barringtogenol C-Fuc | Fr.8 |
| 35 | 7.84 | 1409.6997 | 8.49 | C67H108O31 | 1309.65, 1247.65, 1085.60, 923.55, 823.50 | 16-ketone-barringtogenol C-Ang-5Glc | Fr.9 |
| 36 | 8.27 | 637.4309 | -0.16 | C36H60O9 | 619.42, 601.41, 475.38, 457.37 | 16-deoxy-barringtogenol C-Glc | Fr.9 |
| 37 | 8.27 | 1027.5833 | -0.35 | C53H86O19 | 927.53, 881.52, 781.47, 619.42 | 16-deoxy-barringtogenol C-Ang-Rha-Glc | Fr.9 |
| 38 | 8.27 | 1189.6369 | 0.24 | C59H96O24 | 1089.59, 1043.58, 1027.59, 881.53719.48 | 16-deoxy-barringtogenol C-Ang-Rha-3Glc | Fr.9 |
| 39 | 8.27 | 1198.6386 | 2.41 | C60H92O23 | 1098.59, 1066.60, 1036.59, 904.55, 804.50 | 16-deoxy-barringtogenol C-2Ang-Ara--Gal-Glc-GlcA | Fr.9 |
| 40 | 8.27 | 704.3088 | -4.86 | C40H62O9 | 686.30, 668.29, 604.26, 504.21 | barrigenol R1-2Ang | Fr.9 |
| 41 | 8.27 | 866.5338 | 8.7 | C46H72O14 | 848.52, 830.51, 766.48, 704.48 | barrigenol R1-Ang-Glc | Fr.9 |
| 42 | 8.27 | 1198.6396 | 2.41 | C60H92O23 | 1098.59, 1066.60, 1036.59, 904.55 | barringtogenol C-Ang-Ara-Fuc-Glc | Fr.9 |
| 43\* | 8.27 | 1351.6856 | -2.288 | C65H106O29 | 1335.69, 1189.63, 1043.57, 945.54, 881.52, 799.48, 783.49 | 16-deoxy-barringtogenol C-Ang-4Glc-Rha | Fr.9 |
| 44\* | 8.27 | 1351.6856 | -2.288 | C65H106O29 | 1335.69, 1189.63, 1043.57, 945.54, 881.52, 799.48, 783.49 | 16-deoxy-barringtogenol C-Ang-4Glc-Rha | Fr.9 |
| 45 | 8.29 | 638.4345 | -6.67 | C36H61O9 | 620.42, 602.41, 476.38, 458.37 | 16-deoxy-barringtogenol C-Glc | Fr.9 |
| 46 | 8.3 | 1407.6855 | 0.6 | C67H106O31 | 1307.64, 1261.63, 1245.64, 1099.58 | 16-ketone-barringtogenol C-Ang-Rha-4Glc | Fr.9 |
| 47 | 8.3 | 775.4616 | 2.00 | C41H68O12 | 675.41, 613.41, 513.36, 495.35 | barrigenol R1-Ang-Glc | Fr.9 |
| 48 | 8.60 | 1027.5870 | 3.33 | C53H86O19 | 927.50, 881.53, 865.49, 719.47 | 16-deoxy-barringtogenol C-Ang-2Glc-Rha | Fr.7 |
| 49 | 8.60 | 1189.6419 | 4.04 | C59H96O24 | 1089.55, 1043.58, 1027.59, 881.50, 719.45 | 16-deoxy-barringtogenol C-Ang-3Glc-Rha | Fr.7 |
| 50 | 8.92 | 637.4311 | -0.45 | C36H60O9 | 619.42, 601.41, 475.38 | 16-deoxy-barringtogenol C-Glc | Fr.8 |
| 51 | 8.92 | 1027.5839 | -0.23 | C53H86O19 | 927.53, 881.52, 781.47, 619.42 | 16-deoxy-barringtogenol C-Ang-Glc-Rha | Fr.8 |
| 52 | 8.92 | 638.4344 | -7.25 | C36H61O9 | 620.42, 602.41, 476.38, 458.37 | 16-deoxy-barringtogenol C-Glc | Fr.8 |
| 53 | 8.92 | 1189.6375 | 0.45 | C59H96O24 | 1089.59, 1043.58, 1027.59, 881.53 | 16-deoxy-barringtogenol C-Ang-3Glc-Rha | Fr.8 |
| 54 | 8.92 | 1043.5784 | -0.73 | C53H86O20 | 943.53, 881.53, 781.48, 619.43 | 16-deoxy-barringtogenol C-Ang-3Glc | Fr.8 |
| 55 | 8.92 | 1109.6139 | 3.09 | C54H92O23 | 963.55, 947.56, 801.50, 639.45 | 16-deoxy-barringtogenol C-3Glc-Rha | Fr.8 |
| 56 | 8.92 | 1198.6504 | 10.96 | C60H92O23 | 1098.60, 1066.61, 1036.60, 966.56 | 16-deoxy-barringtogenol C-Ang-Glc-Ara-Gal | Fr.8 |
| 57 | 8.92 | 1172.6299 | 7.27 | C58H90O23 | 1072.58, 1040.59, 940.54, 778.49 | 16-deoxy-barringtogenol C-Ang-2Glc-Ara | Fr.8 |
| 58 | 8.92 | 1198.6504 | 10.96 | C60H92O23 | 1098.60, 1052.59, 1036.60, 890.54 | barringtogenol C-Ang-Fuc-Gal-Glc | Fr.8 |
| 59 | 8.92 | 991.5614 | -2.93 | C53H82O17 | 891.51, 845.50, 683.45, 665.44 | barringtogenol C-Ang-Fuc-Glc | Fr.8 |
| 60 | 8.92 | 1144.5746 | -13.30 | C56H86O23 | 1044.52, 1012.53, 850.48, 674.43 | barringtogenol C-Ang-Ara-Glc-GlcA | Fr.8 |
| 61 | 9.29 | 681.4446 | 16.07 | C39H62O8 | 663.43, 645.42, 581.39 | barrigenol R1-Ang | Fr.9 |
| 62 | 9.32 | 1069.5946 | 0.41 | C55H88O20 | 969.54, 923.53, 907.54, 761.48 | 16-deoxy-barringtogenol C-Ang-Rha-2Glc | Fr.9 |
| 63 | 9.32 | 863.5152 | 14.64 | C46H69O14 | 763.47, 701.47, 663.42, 601.42 | barrigenol R1-2Ang-Glc | Fr.9 |
| 64 | 9.32 | 761.4838 | 0.11 | C43H68O11 | 661.43, 615.42, 515.37, 497.36 | barringtogenol C-Ang-Rha | Fr.9 |
| 65 | 9.32 | 679.4417 | 0.48 | C38H62O10 | 661.43, 643.42, 517.39, 481.37 | barringtogenol C-Fuc | Fr.9 |
| 66 | 9.32 | 991.5647 | 2.30 | C53H82O17 | 891.48, 829.51, 729.46, 567.41 | barringtogenol C-2Ang-Fuc-Glc | Fr.9 |
| 67\* | 9.33 | 1393.6952 | -2.27 | C67H108O30 | 1247.64, 1234.64, 1085.59, 987.55, 923.53, 841.49 | 16-deoxy-barringtogenol C-Ang-4Glc-Rha | Fr.9 |
| 68 | 9.48 | 671.4523 | 0.59 | C40H62O8 | 653.44, 635.43, 571.40, 535.38 | barrigenol R1-2Ang | Fr.9 |
| 69 | 9.48 | 816.4981 | -5.08 | C46H71O12 | 716.45, 684.46, 584.41, 422.36 | barrigenol R1-Ang-Ara-Gal-Glc | Fr.9 |
| 70 | 9.48 | 833.5051 | 0.74 | C46H72O13 | 733.46, 671.46, 571.41 | barrigenol R1-Ang-Glc | Fr.9 |
| 71 | 9.48 | 1128.6037 | 8.07 | C56H86O22 | 1028.55, 996.56, 966.52, 834.48, 734.43 | barringtogenol C-Ang-Ara-Gal-GlcA | Fr.9 |
| 72 | 9.64 | 775.4651 | 6.17 | C41H68O12 | 757.46, 675.42, 513.37, 495.36 | barrigenol R1-Ang-Glc | Fr.8 |
| 73 | 9.73 | 1171.5912 | 9.84 | C57H88O24 | 1071.54, 1039.55, 1009.54, 877.50, 715.45 | 16-deoxy-barringtogenol C-2Ang-Ara-2Glc | Fr.9 |
| 74 | 10.07 | 761.4864 | 3.23 | C43H68O11 | 743.48, 661.44, 643.43 | barringtogenol C-Ang-Glc | Fr.8 |
| 75 | 10.08 | 1043.5828 | 4.19 | C53H86O20 | 881.53, 745.49, 727.48, 647.38, 555.41, 453.34 | 16-deoxy-barringtogenol C-Ang-3Glc | Fr.6 |
| 76 | 10.09 | 1043.5828 | 4.18 | C53H86O20 | 943.53, 897.49, 881.53, 735.44, 537.36 | 16-deoxy-barringtogenol C-Ang-3Glc-Rha | Fr.7 |
| 77 | 10.46 | 681.4371 | 5.05 | C39H62O8 | 581.39, 563.38, 545.37 | barrigenol R1-Ang | Fr.7 |
| 78 | 10.46 | 1117.5714 | -6.72 | C55H88O23 | 1017.52, 985.53, 955.52, 823.48 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.7 |
| 79\* | 10.49 | 1266.6245 | -1.23 | C60H98O28 | 1229.59, 1115.56, 1097.55, 1079.54, 953.51, 777.48, 759.47 | 16-deoxy-barringtogenol C-Ang-4Glc-Rha | Fr.7 |
| 80 | 10.77 | 1027.5851 | 1.43 | C53H86O19 | 953.51, 935.50, 893.49, 791.46, 597.42, 537.39, 453.34 | 16-deoxy-barringtogenol C-Ang-2Glc-Rha | Fr.6 |
| 81 | 10.94 | 1069.5983 | 2.80 | C55H88O20 | 969.55, 923.54, 907.55, 761.49 | 16-deoxy-barringtogenol C-Ang-2Glc-Rha | Fr.7 |
| 82 | 11.05 | 775.4642 | 4.68 | C41H68O12 | 757.45, 675.41, 613.41, 513.36 | barrigenol R1-Ang-Glc | Fr.7 |
| 83 | 11.11 | 622.4409 | 15.48 | C35H56O8 | 575.50, 495.35, 457.37, 439.36 | barrigenol R1-Ang | Fr.6 |
| 84 | 11.15 | 1117.571 | -7.04 | C55H88O23 | 953.51, 893.49, 887.46, 805.47, 783.49 | barringtogenol C-Ang-Gal-Ara-Glc | Fr.6 |
| 85 | 11.51 | 816.499 | -3.51 | C46H71O12 | 798.49, 716.45, 670.41, 554.40 | barrigenol R1-Ang-Fuc | Fr.7 |
| 86 | 11.51 | 671.4528 | 2.14 | C40H62O8 | 653.44, 571.40, 471.35 | barrigenol R1-2Ang | Fr.8 |
| 87 | 11.51 | 816.4989 | -3.51 | C46H71O12 | 798.49, 716.45, 670.44 | barrigenol R1-Ang-Fuc | Fr.8 |
| 88 | 11.69 | 637.4337 | -5.61 | C36H60O9 | 619.42, 601.41, 475.38, 457.37 | 16-deoxy-barringtogenol C-Glc | Fr.4 |
| 89 | 11.78 | 761.4834 | 0.03 | C43H68O11 | 743.47, 683.45, 665.44, 631.38, 567.19, 455.35, 437.34 | barringtogenol C-Ang-Rha | Fr.6 |
| 90 | 11.91 | 589.4121 | 3.68 | C35H56O7 | 571.40, 553.39, 489.36, 471.35 | barrigenol R1-Ang | Fr.7 |
| 91 | 12.35 | 1069.5980 | 3.59 | C55H89O20 | 923.53, 761.48, 701.46, 683.45, 555.52, 439.35 | 16-deoxy-barringtogenol C-Ang-2Glc-Rha | Fr.5 |
| 92 | 13.3 | 701.4275 | 5.23 | C38H62O10 | 683.42, 613.38, 525.40, 507.38, 455.35, 437.34 | barringtogenol C-Fuc | Fr.6 |
| 93 | 14.06 | 1179.5958 | 3.11 | C58H92O23 | 1017.54, 841.51, 823.51, 453.34, 435.33 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.6 |
| 94 | 14.8 | 1091.5791 | 2.73 | C55H88O20 | 929.53, 813.51, 795.50, 735.48, 455.35, 437.34 | 16-deoxy-barringtogenol C-Ang-2Glc-Rha | Fr.6 |
| 95 | 15.25 | 659.4519 | 0.341 | C39H62O8 | 541.39, 523.38, 453.34, 435.33 | barrigenol R1-Ang | Fr.6 |
| 96 | 15.25 | 1111.5691 | 0.66 | C56H86O22 | 997.54, 979.53, 897.48, 735.43, 717.43, 717.42, 541.39, 523.38 | barringtogenol C-Ang-Ara-Gal-GlcA | Fr.6 |
| 97 | 15.51 | 709.4168 | -17.14 | C40H62O9 | 609.34, 497.36, 47.35, 455.35, 437.34 | barrigenol R1-2Ang | Fr.6 |
| 98 | 15.51 | 1181.6109 | 0.63 | C60H92O23 | 1163.60, 1019.56, 1001.55, 941.53, 825.51, 765.49, 621.29, 455.35, 437.34 | barringtogenol C-Ang-Gal-Fuc-Glc | Fr.6 |
| 99 | 15.77 | 1157.5743 | 0.44 | C57H88O24 | 1025.53, 863.48, 763.43, 745.42, 569.38, 551.37, 535.38, 469.33, 451.32 | 16-deoxy-barringtogenol C-2Ang-2Glc-Ara | Fr.6 |
| 100 | 15.77 | 1157.5743 | 0.44 | C57H88O24 | 1025.53, 863.48, 763.43, 745.42, 569.38, 551.37, 535.38, 469.33, 451.33 | 16-deoxy-barringtogenol C-Ang-Glc-Ara-GlcA | Fr.6 |
| 101 | 15.81 | 1181.6152 | 4.24 | C60H92O23 | 1163.60, 1145.59, 1103.58, 1121.59, 1001.55, 983.53 | barringtogenol C-2Ang-Fuc-Gal-Glc | Fr.5 |
| 102 | 15.89 | 1157.5789 | -16.23 | C57H87O23 | 1057.53, 995.53, 833.48, 733.43 | barrigenol R1-2Ang-Glc-Gal | Fr.7 |
| 103 | 15.89 | 1157.5789 | 4.34 | C57H88O24 | 1057.53, 1025.54, 995.53, 863.49, 701.44 | barrigenol R1-2Ang-2Glc-Ara | Fr.7 |
| 104 | 16.01 | 589.4104 | 0.98 | C35H56O7 | 571.40, 553.39, 535.38, 451.32 | barrigenol R1-Ang | Fr.6 |
| 105 | 16.13 | 1157.6036 | -5.69 | C58H92O23 | 1057.55, 1025.56, 995.55, 863.50, 701.45 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.7 |
| 106 | 16.13 | 1155.5973 | 2.35 | C58H90O23 | 1055.54, 1023.55, 993.54, 861.50, 699.45 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.7 |
| 107 | 16.14 | 1155.5963 | 1.51 | C58H90O23 | 1055.54, 993.54, 1009.54, 847.48, 799.50, 747.43, 729.42, 553.39, 535.38 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.6 |
| 108 | 16.21 | 816.4979 | -4.78 | C46H72O12 | 716.45, 670.43, 453.54, 435.33 | barrigenol R1-Ang-Fuc | Fr.6 |
| 109 | 16.21 | 1158.6088 | 2.85 | C57H88O23 | 1058.56, 1026.57, 926.52, 864.52, 764.47 | barrigenol R1-2Ang-2Glc-Ara | Fr.7 |
| 110 | 16.21 | 1158.6088 | 2.85 | C57H88O23 | 1058.56, 1026.57, 926.52, 864.52, 764.47 | barrigenol R1-2Ang-Glc-Ara-Gal | Fr.7 |
| 111 | 16.23 | 671.4511 | -1.03 | C40H62O8 | 571.40, 471.35, 453.34, 435.33 | barrigenol R1-2Ang | Fr.6 |
| 112\* | 16.37 | 1158.60376 | -1.47 | C54H94O26 | 1141.57, 1009.53, 991.52, 909.48, 891.47, 747.43, 729.42 | 16-deoxy-barringtogenol C-2Ang-2Glc-Ara | Fr.6 |
| 113 | 16.45 | 849.4912 | -9.66 | C46H72O14 | 747.43, 729.42, 553.38, 535.38 | barrigenol R1-Ang-Glc | Fr.5 |
| 114 | 16.46 | 833.4955 | -10.83 | C46H72O13 | 733.44, 671.4519, 653.44, 571.40 | barrigenol R1-2Ang-Glc | Fr.6 |
| 115 | 16.48 | 671.4511 | -1.03 | C40H62O8 | 571.40, 471.35, 453.34, 435.33 | barrigenol R1-2Ang | Fr.5 |
| 116 | 16.48 | 705.4574 | 0.24 | C40H64O10 | 687.45, 605.38, 587.72 | barrigenol R1-Ang | Fr.6 |
| 117 | 16.48 | 849.4998 | 0.46 | C46H72O14 | 749.45, 453.34, 435.33 | barrigenol R1-Ang-Glc | Fr.6 |
| 118 | 16.49 | 655.4571 | 0.48 | C40H62O7 | 555.40, 537.39, 419.32 | barringtogenol C-2Ang | Fr.6 |
| 119\* | 17.22 | 1141.5801 | 1.01 | C57H88O23 | 1041.53, 1009.54, 979.53, 847.48, 747.43 | barrigenol R1-2Ang-2Glc-Ara | Fr.6 |
| 120 | 17.22 | 1141.5801 | 1.01 | C57H88O23 | 1041.53, 1009.54, 979.53, 847.48, 747.43 | barrigenol R1-2Ang-Glc-Ara-Gal | Fr.6 |
| 121 | 17.22 | 1143.5844 | -8.94 | C57H90O23 | 981.53, 1011.54, 849.49 | barrigenol R1-GlcA-Ara-Gal | Fr.6 |
| 122 | 17.47 | 1144.587 | 9.95 | C56H86O23 | 1044.53, 1012.55, 982.54, 850.49 | barringtogenol C-Ang-GlcA-Ara-Glc | Fr.6 |
| 123 | 17.75 | 1198.6475 | -1.46 | C61H96O22 | 1142.61, 993.54, 893.43, 731.44, 537.39, 489.37 | barringtogenol C-2Ang-Ara-2Glc | Fr.5 |
| 124 | 18.99 | 1023.5552 | 2.86 | C53H82O19 | 923.50, 861.50, 761.44, 743.43, | barrigenol R1-2Ang-2Glc | Fr.5 |
| 125 | 18.99 | 1172.6250 | 3.32 | C58H90O23 | 1023.56, 1005.54, 761.45, 743.44, 553.39, 520.34 | barrigenol R1-Ang-Glc-Ara-Gal | Fr.5 |
| 126 | 18.99 | 861.5017 | 2.65 | C47H72O14 | 843.49, 761.44, 743.43, 553.39, 535.38, 520.34 | barrigenol R1-2Ang | Fr.5 |
| 127 | 21.67 | 605.4072 | 3.21 | C35H56O8 | 587.40, 569.39, 505.36, 487.35 | barrigenol R1-Ang | Fr.3 |
| 128 | 21.85 | 589.4119 | -3.66 | C35H56O7 | 571.40, 553.39, 489.36 | barrigenol R1-Ang | Fr.2 |

\* The unambiguously identified with reference standard comparison.

MS1 mass error: 20 ppm, MS/MS mass error: 0.1 Da.

**Table s4. Full information of 752 barrigenol type triterpenoids identified from the husks of XSB with PNPS**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Rt (min) | Precursor ions  (*m/z*) | Adducts | Mass error  (ppm) | Formula | Identification | Specification | Fr. |
| 1 | 4.76 | 977.5361 | M+H | 4.61 | C48H80O20 | 16-ketone-barringtogenol C-GlcA-2Glc; 16-ketone-barringtogenol C-GlcA, Glc-Glc; 16-ketone-barringtogenol C-GlcA-Glc, Glc | Unknown | Fr.9 |
| 2 | 4.86 | 1283.6326 | M+H | 4.61 | C60H98O29 | 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Rha | Unknown | Fr.6 |
| 3 | 4.86 | 1447.7014 | M+H | 4.34 | C66H110O34 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.8 |
| 4 | 4.98 | 1301.6434 | M+H | 4.77 | C60H100O30 | barringtogenol C-GlcA-Glc-Ara, Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.6 |
| 5 | 5.08 | 961.5405 | M+H | 3.96 | C48H80O19 | barringtogenol C-Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc | Unknown | Fr.6 |
| 6 | 5.14 | 1301.6422 | M+H | 3.84 | C60H100O30 | barringtogenol C-GlcA-Glc-Ara, Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.8 |
| 7 | 5.17 | 1153.5676 | M+H | 3.44 | C54H88O26 | barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.7 |
| 8 | 5.17 | 1315.6202 | M+H | 2.86 | C60H98O31 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.5 |
| 9 | 5.25 | 1137.5728 | M+H | 3.53 | C54H88O25 | barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.9 |
| 10 | 5.25 | 1139.5856 | M+H | 1.04 | C54H90O25 | barringtogenol C-GlcA, Glc-Glc-Rha; 16-ketone-barringtogenol C-Glc, Glc-2Glc; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc; 16-ketone-barringtogenol C-Glc-2Glc, Glc; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.6 |
| 11 | 5.25 | 1283.6313 | M+H | 3.66 | C60H98O29 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc | Unknown | Fr.6 |
| 12 | 5.25 | 1301.6537 | M+H | 0.93 | C64H100O27 | barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-2Ang | Unknown | Fr.4 |
| 13 | 5.27 | 1299.6260 | M+H | 3.39 | C60H98O30 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc | Unknown | Fr.7 |
| 14 | 5.29 | 1447.6639 | M+H | 3.59 | C65H106O35 | 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc-Rha | Unknown | Fr.10 |
| 15 | 5.29 | 637.4333 | M+H | 3.57 | C36H60O9 | barringtogenol C-Glc; barringtogenol C-Glc | Identified | Fr.1 |
| 16 | 5.29 | 799.4861 | M+H | 2.90 | C42H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Identified | Fr.5 |
| 17\* | 5.29 | 945.5449 | M+H | 3.30 | C48H80O18 | barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc, Glc-2Ang | Identified | Fr.8 |
| 18\* | 5.29 | 1107.5985 | M+H | 3.56 | C54H90O23 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc | Identified | Fr.7 |
| 19\* | 5.71 | 1269.6525 | M+H | 4.00 | C60H100O28 | barringtogenol C-Glc-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc | Identified | Fr.9 |
| 20 | 5.29 | 1431.7056 | M+H | 3.74 | C66H110O33 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.6 |
| 21 | 5.29 | 1434.7142 | M+NH4 | 2.18 | C65H108O33 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha | Unknown | Fr.10 |
| 22 | 5.31 | 1445.6862 | M+H | 4.62 | C66H108O34 | barrigenol R1-GlcA-Glc-Ara, Glc-Glc-Rha; barringtogenol C-GlcA-Glc-Ara, Glc-2Glc; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-2Glc | Unknown | Fr.9 |
| 23 | 5.35 | 1142.5961 | M+NH4 | 0.68 | C53H88O25 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.6 |
| 24 | 5.40 | 959.5251 | M+H | 4.25 | C48H78O19 | barrigenol R1-GlcA-Glc-Ara | Unknown | Fr.7 |
| 25 | 5.41 | 691.4055 | M+Na | 3.96 | C36H60O11 | 16-ketone-barringtogenol C-GlcA | Unknown | Fr.7 |
| 26 | 5.41 | 1138.5668 | M+NH4 | 2.44 | C53H84O25 | barringtogenol C-GlcA-2Glc-Ang; barringtogenol C-GlcA, Glc-Glc-Ang; barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.9 |
| 27\* | 5.43 | 1285.644 | M+H | 1.36 | C60H100O29 | 16-ketone-barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Rha-2Ang | Identified | Fr.9 |
| 28 | 5.43 | 1313.6041 | M+H | 2.51 | C60H96O31 | barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.8 |
| 29 | 5.43 | 1289.6547 | M+H | 1.70 | C63H100O27 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Rha | Unknown | Fr.6 |
| 30 | 5.43 | 1303.6714 | M+H | 2.51 | C64H102O27 | barrigenol R1-Glc-Glc-Ara, Glc-Glc | Unknown | Fr.7 |
| 31 | 5.43 | 1288.6515 | M+NH4 | -1.33 | C59H98O29 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.8 |
| 32 | 5.43 | 1302.6699 | M+NH4 | 0.82 | C60H100O29 | barringtogenol C-Glc-Glc-Ara, Glc-Glc | Identified | Fr.8 |
| 33 | 5.44 | 1169.5613 | M+H | 2.32 | C54H88O27 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc | Unknown | Fr.6 |
| 34 | 5.44 | 1123.5941 | M+H | 4.13 | C54H90O24 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha | Unknown | Fr.9 |
| 35 | 5.44 | 1285.6483 | M+H | 4.68 | C60H100O29 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc | Unknown | Fr.9 |
| 36 | 5.50 | 651.4111 | M+H | 1.32 | C36H58O10 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.10 |
| 37 | 5.50 | 813.4635 | M+H | 0.49 | C42H68O15 | 16-deoxy-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Ang | Unknown | Fr.7 |
| 38 | 5.50 | 975.5168 | M+H | 0.95 | C48H78O20 | barrigenol R1-Glc-Glc-Rha; barringtogenol C-Glc-2Glc; barringtogenol C-Glc-2Glc; barringtogenol C-Glc, Glc-Glc; barringtogenol C-Glc-Glc, Glc | Unknown | Fr.9 |
| 39 | 5.50 | 1121.5754 | M+H | 1.44 | C54H88O24 | barringtogenol C-Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Ang | Unknown | Fr.8 |
| 40 | 5.52 | 978.5313 | M+NH4 | 4.59 | C47H76O20 | 16-ketone-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.8 |
| 41 | 5.56 | 991.5135 | M+H | 2.73 | C48H78O21 | 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.9 |
| 42 | 5.62 | 1301.6027 | M+H | 1.41 | C59H96O31 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.9 |
| 43 | 5.68 | 1145.5701 | M+Na | -1.18 | C54H90O24 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha | Unknown | Fr.6 |
| 44 | 5.70 | 1151.5527 | M+H | 4.10 | C54H86O26 | barringtogenol C-GlcA-Glc-Ara-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.5 |
| 45 | 5.70 | 1123.588 | M+H | -1.31 | C54H90O24 | 16-deoxy-barringtogenol C-Glc-Glc-Rha-2Ang | Unknown | Fr.6 |
| 46 | 5.70 | 1127.5990 | M+H | -0.58 | C57H90O22 | barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.1 |
| 47 | 5.70 | 1431.6975 | M+H | -1.89 | C66H110O33 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-Rha; barringtogenol C-Glc-Glc-Ara, Glc-2Glc | Unknown | Fr.9 |
| 48 | 5.70 | 1126.5964 | M+NH4 | -3.50 | C53H88O24 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.9 |
| 49 | 5.70 | 1234.6276 | M+NH4 | 4.90 | C59H92O26 | barrigenol R1-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.7 |
| 50 | 5.71 | 799.4826 | M+H | -1.53 | C42H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Identified | Fr.1 |
| 51 | 5.71 | 1269.6467 | M+H | -0.52 | C60H100O28 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.7 |
| 52 | 5.71 | 1297.6069 | M+H | 0.78 | C60H96O30 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc | Unknown | Fr.9 |
| 53 | 5.71 | 1273.6571 | M+H | -0.36 | C63H100O26 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.6 |
| 54 | 5.71 | 1287.6757 | M+H | 1.90 | C64H102O26 | barrigenol R1-GlcA, Glc-Glc-Rha-2Ang; barringtogenol C-GlcA, Glc-2Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.6 |
| 55 | 5.71 | 1307.5988 | M+Na | -3.34 | C63H96O27 | barringtogenol C-Glc-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc | Unknown | Fr.9 |
| 56 | 5.71 | 1416.7069 | M+NH4 | 4.49 | C65H106O32 | barrigenol R1-Glc-Glc, Glc-2Glc-Ang; barrigenol R1-Glc-2Glc, Glc-Glc-Ang | Unknown | Fr.9 |
| 57 | 5.71 | 1578.7600 | M+NH4 | 4.21 | C71H116O37 | barrigenol R1-Glc-2Glc, Glc-2Glc-Ang | Unknown | Fr.9 |
| 58 | 5.73 | 989.4989 | M+H | 3.75 | C48H76O21 | 16-ketone-barringtogenol C-Glc-2Glc; 16-ketone-barringtogenol C-Glc-2Glc; 16-ketone-barringtogenol C-Glc, Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc, Glc; 16-deoxy-barringtogenol C-GlcA-2Glc; 16-deoxy-barringtogenol C-GlcA, Glc-Glc; 16-deoxy-barringtogenol C-GlcA-Glc, Glc | Unknown | Fr.8 |
| 59 | 5.74 | 1045.5564 | M+H | -1.33 | C52H84O21 | barringtogenol C-GlcA-Glc-Ara-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.7 |
| 60 | 5.74 | 1237.6239 | M+H | 2.21 | C59H96O27 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc | Unknown | Fr.7 |
| 61 | 5.78 | 1531.7206 | M+H | 2.82 | C70H114O36 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-Rha-Ang; barringtogenol C-Glc-Glc-Ara, Glc-2Glc-Ang | Unknown | Fr.9 |
| 62 | 5.80 | 765.4432 | M+H | 1.66 | C41H64O13 | barringtogenol C-GlcA-Ang | Unknown | Fr.5 |
| 63 | 5.80 | 1139.5958 | M+H | -3.36 | C58H90O22 | barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-Glc, Glc-2Ang | Unknown | Fr.9 |
| 64 | 5.82 | 667.4069 | M+H | 2.50 | C36H58O11 | 16-ketone-barringtogenol C-Glc; 16-ketone-barringtogenol C-Glc; 16-deoxy-barringtogenol C-GlcA | Unknown | Fr.9 |
| 65 | 5.84 | 993.5293 | M+H | 2.83 | C48H80O21 | barringtogenol C-GlcA-2Glc; barringtogenol C-GlcA, Glc-Glc; barringtogenol C-GlcA-Glc, Glc | Unknown | Fr.8 |
| 66 | 5.84 | 1286.6373 | M+NH4 | -0.17 | C59H96O29 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.8 |
| 67 | 5.85 | 1125.5643 | M+H | -3.92 | C53H88O25 | barringtogenol C-GlcA-Glc-Ara, Glc; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc | Unknown | Fr.8 |
| 68 | 5.88 | 991.5154 | M+H | 4.58 | C48H78O21 | 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.7 |
| 69 | 5.90 | 665.3904 | M+H | 1.36 | C36H56O11 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.9 |
| 70 | 5.90 | 827.4433 | M+H | 1.13 | C42H66O16 | 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc, Glc | Unknown | Fr.10 |
| 71 | 5.90 | 829.4587 | M+H | 0.88 | C42H68O16 | barringtogenol C-Glc-Glc; barringtogenol C-Glc-Glc; barringtogenol C-Glc, Glc | Unknown | Fr.8 |
| 72 | 5.90 | 845.4534 | M+H | 0.52 | C42H68O17 | 16-ketone-barringtogenol C-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Ang | Unknown | Fr.8 |
| 73 | 5.90 | 1007.5085 | M+H | 2.77 | C48H78O22 | 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.8 |
| 74 | 5.90 | 1139.5499 | M+H | 1.68 | C53H86O26 | barrigenol R1-GlcA-2Glc-Ang; barrigenol R1-GlcA, Glc-Glc-Ang; barrigenol R1-GlcA-Glc, Glc-Ang | Unknown | Fr.6 |
| 75 | 5.93 | 1135.5554 | M+H | 2.05 | C54H86O25 | 16-ketone-barringtogenol C-Glc-Glc-Rha-2Ang | Unknown | Fr.5 |
| 76\* | 5.93 | 1107.5958 | M+H | 1.13 | C54H90O23 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc | Identified | Fr.6 |
| 77 | 5.93 | 1111.6063 | M+H | 1.42 | C57H90O21 | barringtogenol C-GlcA-Glc-Ara-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.6 |
| 78 | 5.93 | 1145.552 | M+Na | 1.49 | C57H86O22 | barrigenol R1-GlcA-Glc-Ara-2Ang | Unknown | Fr.6 |
| 79 | 5.94 | 653.4276 | M+H | 2.59 | C36H60O10 | 16-ketone-barringtogenol C-2Ang | Unknown | Fr.7 |
| 80 | 5.94 | 829.4594 | M+H | 1.69 | C42H68O16 | 16-ketone-barringtogenol C-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Ang | Unknown | Fr.9 |
| 81 | 5.94 | 815.4803 | M+H | 1.96 | C42H70O15 | 16-ketone-barringtogenol C-GlcA-Glc; 16-ketone-barringtogenol C-GlcA, Glc | Unknown | Fr.6 |
| 82 | 5.94 | 975.5178 | M+H | 1.95 | C48H78O20 | barrigenol R1-Glc-Glc-Rha; barringtogenol C-Glc-2Glc; barringtogenol C-Glc-2Glc; barringtogenol C-Glc, Glc-Glc; barringtogenol C-Glc-Glc, Glc | Unknown | Fr.10 |
| 83 | 5.94 | 961.5395 | M+H | 2.94 | C48H80O19 | barringtogenol C-GlcA-Glc-Ara; 16-ketone-barringtogenol C-Glc-Glc-Ara | Unknown | Fr.6 |
| 84 | 5.94 | 1131.5504 | M+Na | -4.73 | C53H88O24 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.8 |
| 85 | 5.94 | 964.5479 | M+NH4 | 0.37 | C47H78O19 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara | Unknown | Fr.9 |
| 86 | 5.96 | 665.3913 | M+H | 2.64 | C36H56O11 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.7 |
| 87 | 5.96 | 977.5292 | M+H | -2.45 | C48H80O20 | barringtogenol C-Glc-Glc-Ara; barringtogenol C-Glc-Glc-Rha | Unknown | Fr.8 |
| 88 | 5.96 | 1107.5557 | M+H | -2.27 | C53H86O24 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha | Unknown | Fr.10 |
| 89 | 5.97 | 977.5322 | M+H | 0.67 | C48H80O20 | 16-deoxy-barringtogenol C-Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Ang | Unknown | Fr.6 |
| 90 | 5.97 | 1203.5774 | M+H | -1.59 | C58H90O26 | barrigenol R1-GlcA-2Glc-2Ang; barrigenol R1-GlcA, Glc-Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-2Ang | Unknown | Fr.5 |
| 91 | 5.97 | 980.5432 | M+NH4 | 0.70 | C47H78O20 | 16-deoxy-barringtogenol C-Glc-Glc-Ara | Unknown | Fr.8 |
| 92 | 6.06 | 651.4122 | M+H | 3.01 | C36H58O10 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.4 |
| 93 | 6.06 | 813.4653 | M+H | 2.74 | C42H68O15 | 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc, Glc; 16-deoxy-barringtogenol C-GlcA-Glc; 16-deoxy-barringtogenol C-GlcA, Glc | Unknown | Fr.9 |
| 94 | 6.06 | 959.5242 | M+H | 3.36 | C48H78O19 | barrigenol R1-GlcA-Glc-Ara | Unknown | Fr.8 |
| 95 | 6.08 | 1123.5569 | M+H | 3.38 | C53H86O25 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.8 |
| 96 | 6.08 | 959.5221 | M+H | 1.13 | C48H78O19 | 16-ketone-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.4 |
| 97 | 6.08 | 1285.6632 | M+H | 4.39 | C64H100O26 | barrigenol R1-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.6 |
| 98 | 6.08 | 673.3945 | M+Na | 3.34 | C36H58O10 | 16-deoxy-barringtogenol C-2Ang | Unknown | Fr.6 |
| 99 | 6.08 | 691.4058 | M+Na | 4.40 | C36H60O11 | 16-ketone-barringtogenol C-GlcA | Unknown | Fr.8 |
| 100 | 6.14 | 683.4022 | M+H | 3.10 | C36H58O12 | 16-ketone-barringtogenol C-2Ang | Unknown | Fr.6 |
| 101 | 6.14 | 827.4450 | M+H | 3.20 | C42H66O16 | 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc, Glc | Unknown | Fr.7 |
| 102 | 6.14 | 845.4554 | M+H | 2.90 | C42H68O17 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.6 |
| 103 | 6.14 | 1001.4904 | M+Na | -2.42 | C47H78O21 | 16-deoxy-barringtogenol C-Glc-Glc-Ara | Unknown | Fr.6 |
| 104 | 6.19 | 1168.5770 | M+NH4 | 2.11 | C54H86O26 | barringtogenol C-Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Ang | Unknown | Fr.9 |
| 105 | 6.20 | 1257.5846 | M+Na | -2.29 | C59H94O27 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-Ang | Unknown | Fr.6 |
| 106 | 6.21 | 1168.5763 | M+NH4 | 1.48 | C54H86O26 | barringtogenol C-GlcA-Glc-Ara-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.7 |
| 107 | 6.22 | 1339.6194 | M+Na | 3.96 | C60H100O31 | barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-2Ang | Unknown | Fr.9 |
| 108 | 6.23 | 1015.5128 | M+Na | 4.26 | C48H80O21 | 16-ketone-barringtogenol C-GlcA-Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.9 |
| 109 | 6.24 | 1515.7228 | M+H | 0.95 | C70H114O35 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-2Glc-Ang | Unknown | Fr.9 |
| 110 | 6.24 | 837.4633 | M+Na | 3.14 | C42H70O15 | 16-ketone-barringtogenol C-GlcA-Glc; 16-ketone-barringtogenol C-GlcA, Glc | Unknown | Fr.8 |
| 111 | 6.27 | 689.3901 | M+Na | 4.36 | C36H58O11 | barringtogenol C-Glc; barringtogenol C-Glc | Unknown | Fr.8 |
| 112\* | 6.31 | 961.5386 | M+H | 2.05 | C48H80O19 | barringtogenol C-2Glc-Rha | Identified | Fr.9 |
| 113 | 6.31 | 964.5462 | M+NH4 | -1.41 | C47H78O19 | barringtogenol C-Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc | Unknown | Fr.10 |
| 114 | 6.35 | 1089.5497 | M+H | 1.90 | C53H84O23 | 16-ketone-barringtogenol C-GlcA-2Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.7 |
| 115 | 6.35 | 837.4642 | M+Na | 4.23 | C42H70O15 | barringtogenol C-GlcA-Glc; barringtogenol C-GlcA, Glc | Unknown | Fr.9 |
| 116 | 6.35 | 999.5178 | M+Na | 4.24 | C48H80O20 | barringtogenol C-GlcA-2Glc; barringtogenol C-GlcA, Glc-Glc; barringtogenol C-GlcA-Glc, Glc | Unknown | Fr.9 |
| 117 | 6.35 | 1158.5868 | M+NH4 | -2.95 | C53H88O26 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.5 |
| 118 | 6.35 | 1152.5817 | M+NH4 | 1.76 | C54H86O25 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc | Unknown | Fr.9 |
| 119 | 6.37 | 959.5170 | M+H | -4.15 | C48H78O19 | 16-ketone-barringtogenol C-GlcA-Glc-Ara | Unknown | Fr.6 |
| 120 | 6.39 | 977.4972 | M+H | 2.05 | C47H76O21 | barringtogenol C-GlcA-Glc-Ara; 16-ketone-barringtogenol C-Glc-Glc-Ara | Unknown | Fr.7 |
| 121 | 6.42 | 927.4918 | M+H | -3.27 | C47H74O18 | 16-ketone-barringtogenol C-GlcA-Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.7 |
| 122 | 6.42 | 831.4758 | M+H | 2.61 | C42H70O16 | barringtogenol C-GlcA-Glc; barringtogenol C-GlcA, Glc | Unknown | Fr.8 |
| 123 | 6.42 | 1383.6844 | M+H | 3.88 | C65H106O31 | barrigenol R1-GlcA-Glc, Glc-2Glc-Ang; barrigenol R1-GlcA-2Glc, Glc-Glc-Ang | Unknown | Fr.6 |
| 124 | 6.42 | 1386.6931 | M+NH4 | 2.26 | C64H104O31 | barrigenol R1-GlcA, Glc-2Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-Glc-2Ang; barrigenol R1-GlcA-2Glc, Glc-2Ang | Unknown | Fr.6 |
| 125 | 6.46 | 1189.5950 | M+H | -4.26 | C58H92O25 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.8 |
| 126 | 6.56 | 589.4114 | M+H | 2.64 | C35H56O7 | barrigenol R1-Ang | Unknown | Fr.8 |
| 127 | 6.56 | 799.4830 | M+H | -1.07 | C42H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Identified | Fr.3 |
| 128\* | 6.56 | 945.5422 | M+H | 0.52 | C48H80O18 | barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc, Glc-2Ang | Identified | Fr.9 |
| 129 | 6.56 | 963.5695 | M+H | 2.03 | C52H82O16 | barrigenol R1-GlcA-Glc-2Ang; barrigenol R1-GlcA, Glc-2Ang | Unknown | Fr.8 |
| 130 | 6.56 | 1107.5935 | M+H | -0.96 | C54H90O23 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc | Unknown | Fr.8 |
| 131 | 6.56 | 985.5020 | M+Na | 4.14 | C47H78O20 | 16-deoxy-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.6 |
| 132 | 6.68 | 799.4864 | M+H | 3.20 | C42H70O14 | 16-ketone-barringtogenol C-GlcA-Glc; 16-ketone-barringtogenol C-GlcA, Glc | Identified | Fr.10 |
| 133 | 6.68 | 1177.5662 | M+Na | 4.17 | C54H90O26 | barrigenol R1-Glc, Glc-Glc-Rha; barringtogenol C-Glc, Glc-2Glc; barringtogenol C-Glc-Glc, Glc-Glc; barringtogenol C-Glc-2Glc, Glc | Unknown | Fr.9 |
| 134 | 6.69 | 1207.6093 | M+H | -1.12 | C58H94O26 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.8 |
| 135 | 6.74 | 1381.6663 | M+H | 2.05 | C65H104O31 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Ang | Unknown | Fr.9 |
| 136 | 6.74 | 1384.678 | M+NH4 | 2.63 | C64H102O31 | barrigenol R1-GlcA, Glc-2Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-Glc-2Ang; barrigenol R1-GlcA-2Glc, Glc-2Ang | Unknown | Fr.8 |
| 137 | 6.95 | 1041.5258 | M+H | -0.70 | C52H80O21 | barrigenol R1-GlcA-Glc-2Angbarrigenol R1-GlcA, Glc-2Ang | Unknown | Fr.7 |
| 138 | 6.95 | 1205.5970 | M+H | 1.73 | C58H92O26 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.8 |
| 139 | 7.15 | 1057.5601 | M+H | 2.15 | C53H84O21 | barrigenol R1-GlcA-Glc-Ara-Ang | Unknown | Fr.9 |
| 140 | 7.15 | 1203.6188 | M+H | 2.56 | C59H94O25 | barrigenol R1-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.8 |
| 141 | 7.15 | 1219.6132 | M+H | 2.09 | C59H94O26 | barringtogenol C-Glc-Glc-Ara, Glc-Ang | Identified | Fr.8 |
| 142 | 7.15 | 1365.6722 | M+H | 2.72 | C65H104O30 | barrigenol R1-Glc-Glc, Glc-Glc-Rha-Ang; barringtogenol C-Glc-Glc, Glc-2Glc-Ang; barringtogenol C-Glc-2Glc, Glc-Glc-Ang | Unknown | Fr.9 |
| 143 | 7.15 | 1463.6494 | M+H | -2.90 | C65H106O36 | barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-2Glc | Unknown | Fr.9 |
| 144 | 7.15 | 962.5317 | M+NH4 | -0.24 | C47H76O19 | 16-ketone-barringtogenol C-GlcA-Glc-Ara | Unknown | Fr.7 |
| 145 | 7.15 | 1368.6820 | M+NH4 | 1.89 | C64H102O30 | 16-ketone-barringtogenol C-GlcA, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.6 |
| 146 | 7.17 | 983.5233 | M+Na | 4.73 | C48H80O19 | barringtogenol C-Glc-Glc-Ara | Unknown | Fr.6 |
| 147 | 7.19 | 1041.5294 | M+H | 2.81 | C52H80O21 | barrigenol R1-GlcA-Glc-2Ang; barrigenol R1-GlcA, Glc-2Ang | Unknown | Fr.5 |
| 148 | 7.25 | 799.4863 | M+H | 3.12 | C42H70O14 | 16-deoxy-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Ang | Unknown | Fr.6 |
| 149 | 7.25 | 1027.5432 | M+H | -3.90 | C52H82O20 | 16-deoxy-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.6 |
| 150 | 7.38 | 589.4119 | M+H | 3.47 | C35H56O7 | barrigenol R1-Ang | Identified | Fr.9 |
| 151 | 7.38 | 1075.5720 | M+H | 3.41 | C53H86O22 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc | Unknown | Fr.8 |
| 152 | 7.40 | 653.4253 | M+H | -0.96 | C36H60O10 | 16-ketone-barringtogenol C-2Ang | Unknown | Fr.5 |
| 153 | 7.42 | 913.5145 | M+H | -1.17 | C47H76O17 | barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc, Glc-Ang | Unknown | Fr.6 |
| 154 | 7.42 | 1089.5493 | M+H | 1.57 | C53H84O23 | 16-ketone-barringtogenol C-GlcA-2Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.6 |
| 155 | 7.42 | 1059.5732 | M+H | -0.19 | C53H86O21 | barrigenol R1-GlcA-2Glc-Ang; barrigenol R1-GlcA, Glc-Glc-Ang; barrigenol R1-GlcA-Glc, Glc-Ang | Unknown | Fr.7 |
| 156 | 7.42 | 1251.6023 | M+H | 1.48 | C59H94O28 | barrigenol R1-GlcA, Glc-Glc-Rha-Ang; barringtogenol C-GlcA, Glc-2Glc-Ang; barringtogenol C-GlcA-Glc, Glc-Glc-Ang; barringtogenol C-GlcA-2Glc, Glc-Ang | Unknown | Fr.7 |
| 157 | 7.42 | 1205.6324 | M+H | 0.92 | C59H96O25 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-Ang | Unknown | Fr.7 |
| 158 | 7.42 | 1221.6271 | M+H | 0.67 | C59H96O26 | barrigenol R1-GlcA, Glc-Glc-Rha-Ang; barringtogenol C-GlcA, Glc-2Glc-Ang; barringtogenol C-GlcA-Glc, Glc-Glc-Ang; barringtogenol C-GlcA-2Glc, Glc-Ang | Unknown | Fr.9 |
| 159 | 7.42 | 1367.6860 | M+H | 1.36 | C65H106O30 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.6 |
| 160 | 7.42 | 1124.5881 | M+NH4 | 3.03 | C53H86O24 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.9 |
| 161 | 7.42 | 1208.6410 | M+NH4 | -1.03 | C58H94O25 | barringtogenol C-GlcA-Glc-Ara, Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.6 |
| 162 | 7.42 | 1370.6937 | M+NH4 | -0.98 | C64H104O30 | barrigenol R1-Glc-Glc, Glc-2Glc; barrigenol R1-Glc-2Glc, Glc-Glc | Unknown | Fr.9 |
| 163 | 7.42 | 1530.7373 | M+NH4 | 3.31 | C70H112O35 | barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-2Glc-Ang | Unknown | Fr.9 |
| 164 | 7.53 | 1303.6129 | M+H | -2.73 | C59H98O31 | 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Rha | Unknown | Fr.10 |
| 165 | 7.74 | 895.5078 | M+H | 3.19 | C47H74O16 | 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.7 |
| 166 | 7.74 | 1041.5665 | M+H | 3.51 | C53H84O20 | 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.6 |
| 167 | 7.74 | 1057.5614 | M+H | 3.41 | C53H84O21 | 16-ketone-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.6 |
| 168 | 7.74 | 1203.6204 | M+H | 3.88 | C59H94O25 | barringtogenol C-Glc, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Ang | Unknown | Fr.6 |
| 169 | 7.74 | 1301.5992 | M+H | -1.22 | C59H96O31 | barrigenol R1-GlcA, Glc-2Glc-Ang; barrigenol R1-GlcA-Glc, Glc-Glc-Ang; barrigenol R1-GlcA-2Glc, Glc-Ang | Unknown | Fr.6 |
| 170 | 7.74 | 1206.6288 | M+NH4 | 1.82 | C58H92O25 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.9 |
| 171 | 7.84 | 1009.5339 | M+H | -2.70 | C52H80O19 | barrigenol R1-Glc-Glc-Ara | Unknown | Fr.6 |
| 172 | 7.84 | 1433.6884 | M+H | -4.45 | C69H108O31 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.9 |
| 173 | 7.84 | 1015.5133 | M+Na | 4.80 | C48H80O21 | 16-ketone-barringtogenol C-GlcA-Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.5 |
| 174 | 7.94 | 897.5243 | M+H | 4.10 | C47H76O16 | barringtogenol C-GlcA-Glc-Ang; barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.2 |
| 175 | 8.05 | 927.4979 | M+H | 3.38 | C47H74O18 | barringtogenol C-GlcA-Glc-Ang; barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.6 |
| 176 | 8.13 | 1437.6523 | M+Na | 1.03 | C65H106O33 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha | Unknown | Fr.9 |
| 177 | 8.18 | 1205.6335 | M+H | 1.83 | C59H96O25 | barrigenol R1-GlcA, Glc-2Glc-Ang; barrigenol R1-GlcA-Glc, Glc-Glc-Ang; barrigenol R1-GlcA-2Glc, Glc-Ang | Unknown | Fr.9 |
| 178 | 8.18 | 1208.6411 | M+NH4 | -0.93 | C58H94O25 | barringtogenol C-GlcA-Glc-Ara, Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.7 |
| 179 | 8.21 | 1235.6107 | M+H | 4.21 | C59H94O27 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-Ang | Unknown | Fr.9 |
| 180 | 8.23 | 1433.6823 | M+H | 1.93 | C65H108O34 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.8 |
| 181 | 8.27 | 637.4309 | M+H | -0.16 | C36H60O9 | barringtogenol C-GlcA | Identified | Fr.5 |
| 182 | 8.27 | 719.4724 | M+H | -0.64 | C41H66O10 | barrigenol R1-GlcA-Ang | Unknown | Fr.4 |
| 183 | 8.27 | 881.5253 | M+H | -0.49 | C47H76O15 | barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc, Glc-Ang | Unknown | Fr.9 |
| 184 | 8.27 | 945.5413 | M+H | -0.44 | C48H80O18 | barringtogenol C-GlcA-Glc-Ara; 16-ketone-barringtogenol C-Glc-Glc-Ara | Unknown | Fr.9 |
| 185 | 8.27 | 1027.5833 | M+H | -0.35 | C53H86O19 | barringtogenol C-GlcA-2Glc-Ang; barringtogenol C-GlcA, Glc-Glc-Ang; barringtogenol C-GlcA-Glc, Glc-Ang | Identified | Fr.8 |
| 186 | 8.27 | 1043.5781 | M+H | -0.38 | C53H86O20 | barrigenol R1-Glc-Glc-Rha-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc, Glc-Glc-Ang; barringtogenol C-Glc-Glc, Glc-Ang | Unknown | Fr.6 |
| 187 | 8.27 | 1189.6367 | M+H | 0.24 | C59H96O24 | barringtogenol C-GlcA, Glc-Glc-Rha-Ang; 16-ketone-barringtogenol C-Glc, Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Ang | Identified | Fr.7 |
| 188\* | 8.27 | 1351.6897 | M+H | 0.33 | C65H106O29 | barrigenol R1-GlcA-Glc-Ara, Glc-Glc-Ang | Identified | Fr.9 |
| 189 | 8.27 | 1513.7405 | M+H | -1.06 | C71H116O34 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-2Glc-Ang | Unknown | Fr.6 |
| 190 | 8.27 | 1595.7823 | M+H | -1.00 | C76H122O35 | barrigenol R1-Glc-Glc-Ara, Glc-2Glc-2Ang | Unknown | Fr.6 |
| 191 | 8.27 | 1046.5870 | M+NH4 | -2.28 | C52H84O20 | 16-ketone-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.8 |
| 192 | 8.29 | 1125.6173 | M+H | -2.74 | C58H92O21 | barrigenol R1-Glc, Glc-2Glc; barrigenol R1-Glc-Glc, Glc-Glc; barrigenol R1-Glc-2Glc, Glc | Unknown | Fr.6 |
| 193 | 8.29 | 1379.6486 | M+H | 0.57 | C65H102O31 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 194 | 8.29 | 1516.7457 | M+NH4 | -4.78 | C70H114O34 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha-Ang | Unknown | Fr.6 |
| 195 | 8.29 | 1660.8031 | M+NH4 | 4.74 | C76H122O38 | barrigenol R1-Glc-2Glc, Glc-2Glc-2Ang | Unknown | Fr.9 |
| 196 | 8.30 | 1431.6666 | M+H | 1.95 | C65H106O34 | 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc-Rha | Unknown | Fr.9 |
| 197 | 8.30 | 919.5047 | M+Na | 2.33 | C47H76O16 | barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc, Glc-Ang | Unknown | Fr.3 |
| 198 | 8.31 | 1089.5525 | M+H | 4.48 | C53H84O23 | 16-ketone-barringtogenol C-GlcA-2Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.8 |
| 199 | 8.32 | 1449.6677 | M+H | -4.60 | C65H108O35 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.9 |
| 200 | 8.52 | 1511.697 | M+H | 4.62 | C70H110O35 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 201 | 8.55 | 765.4453 | M+H | 4.29 | C41H64O13 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.3 |
| 202 | 8.56 | 1469.6798 | M+Na | 1.86 | C66H110O34 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.9 |
| 203 | 8.60 | 845.4556 | M+H | 3.12 | C42H68O17 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.7 |
| 204 | 8.60 | 959.4877 | M+H | 3.24 | C47H74O20 | barringtogenol C-GlcA-Glc-Ang; barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.5 |
| 205 | 8.60 | 977.4984 | M+H | 3.30 | C47H76O21 | barringtogenol C-Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc | Unknown | Fr.9 |
| 206 | 8.60 | 1027.5870 | M+H | 3.33 | C53H86O19 | barrigenol R1-Glc-Glc-Ara-Ang | Identified | Fr.6 |
| 207 | 8.60 | 1203.5839 | M+H | 3.78 | C58H90O26 | barrigenol R1-GlcA-2Glc-2Ang; barrigenol R1-GlcA, Glc-Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-2Ang | Unknown | Fr.8 |
| 208 | 8.60 | 1221.5941 | M+H | 3.48 | C58H92O27 | 16-ketone-barringtogenol C-Glc, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 209 | 8.60 | 1223.6000 | M+H | -4.53 | C58H94O27 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.8 |
| 210 | 8.60 | 1189.6412 | M+H | 4.04 | C59H96O24 | barrigenol R1-Glc, Glc-Glc-Rha-Ang; barringtogenol C-Glc, Glc-2Glc-Ang; barringtogenol C-Glc-Glc, Glc-Glc-Ang; barringtogenol C-Glc-2Glc, Glc-Ang | Identified | Fr.6 |
| 211 | 8.60 | 1221.5945 | M+H | 3.78 | C58H92O27 | 16-ketone-barringtogenol C-Glc, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Rha-Ang | Unknown | Fr.8 |
| 212 | 8.60 | 1223.6008 | M+H | -3.83 | C58H94O27 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.6 |
| 213 | 8.63 | 1157.6157 | M+H | 4.75 | C58H92O23 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.7 |
| 214 | 8.63 | 1497.7041 | M+H | -4.46 | C70H112O34 | barrigenol R1-GlcA-2Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 215 | 8.63 | 1627.7424 | M+H | 3.10 | C75H118O38 | 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.9 |
| 216 | 8.75 | 735.4692 | M+H | 1.97 | C41H66O11 | barringtogenol C-GlcA-Ang | Unknown | Fr.3 |
| 217 | 8.75 | 829.4597 | M+H | 1.98 | C42H68O16 | 16-ketone-barringtogenol C-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Ang | Unknown | Fr.6 |
| 218 | 8.75 | 945.5071 | M+H | 1.82 | C47H76O19 | 16-deoxy-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.10 |
| 219 | 8.75 | 961.5013 | M+H | 1.12 | C47H76O20 | 16-ketone-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.9 |
| 220 | 8.80 | 927.4961 | M+H | 1.41 | C47H74O18 | 16-ketone-barringtogenol C-GlcA-Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.8 |
| 221 | 8.80 | 573.4169 | M+H | 3.42 | C35H56O6 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.4 |
| 222 | 8.80 | 735.4701 | M+H | 3.13 | C41H66O11 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.1 |
| 223 | 8.80 | 831.4759 | M+H | 2.68 | C42H70O16 | barringtogenol C-GlcA-Glc; barringtogenol C-GlcA, Glc | Unknown | Fr.7 |
| 224 | 8.80 | 1081.5587 | M+Na | 3.08 | C53H86O21 | barrigenol R1-Glc-2Glc-Ang; barrigenol R1-Glc-2Glc-Ang; barrigenol R1-Glc, Glc-Glc-Ang; barrigenol R1-Glc-Glc, Glc-Ang | Unknown | Fr.6 |
| 225 | 8.88 | 1469.6859 | M+Na | -4.37 | C70H110O31 | barrigenol R1-Glc-2Glc, Glc-Glc-Rha; barringtogenol C-Glc-2Glc, Glc-2Glc | Unknown | Fr.9 |
| 226 | 8.89 | 1451.7046 | M+H | -0.49 | C69H110O32 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.8 |
| 227 | 8.92 | 637.4307 | M+H | -0.45 | C36H60O9 | barringtogenol C-GlcA | Identified | Fr.9 |
| 228 | 8.92 | 719.4723 | M+H | -0.81 | C41H66O10 | barrigenol R1-GlcA-Ang | Unknown | Fr.8 |
| 229 | 8.92 | 881.5250 | M+H | -0.77 | C47H76O15 | barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc, Glc-Ang | Unknown | Fr.7 |
| 230 | 8.92 | 1027.5834 | M+H | -0.23 | C53H86O19 | barrigenol R1-Glc-2Glc-Ang; barrigenol R1-Glc-2Glc-Ang; barrigenol R1-Glc, Glc-Glc-Ang; barrigenol R1-Glc-Glc, Glc-Ang | Identified | Fr.9 |
| 231 | 8.92 | 1043.5778 | M+H | -0.73 | C53H86O20 | barrigenol R1-Glc-Glc-Rha-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc, Glc-Glc-Ang; barringtogenol C-Glc-Glc, Glc-Ang | Identified | Fr.8 |
| 232 | 8.92 | 1125.6189 | M+H | -1.33 | C58H92O21 | barringtogenol C-GlcA-2Glc-2Ang; barringtogenol C-GlcA, Glc-Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.3 |
| 233 | 8.92 | 1217.5952 | M+H | 0.21 | C59H92O26 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-Ang | Unknown | Fr.8 |
| 234 | 8.92 | 1189.6370 | M+H | 0.45 | C59H96O24 | barrigenol R1-Glc, Glc-Glc-Rha-Ang; barringtogenol C-Glc, Glc-2Glc-Ang; barringtogenol C-Glc-Glc, Glc-Glc-Ang; barringtogenol C-Glc-2Glc, Glc-Ang | Identified | Fr.7 |
| 235 | 8.92 | 1271.6786 | M+H | 0.24 | C64H102O25 | 16-ketone-barringtogenol C-GlcA, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.8 |
| 236 | 8.92 | 1351.6886 | M+H | -0.48 | C65H106O29 | barringtogenol C-Glc-Glc-Ara, Glc-Glc-Ang | Unknown | Fr.9 |
| 237 | 8.92 | 1433.7245 | M+H | -4.63 | C70H112O30 | barrigenol R1-GlcA-Glc, Glc-Glc-Rha-2Ang; barringtogenol C-GlcA-Glc, Glc-2Glc-2Ang; barringtogenol C-GlcA-2Glc, Glc-Glc-2Ang | Unknown | Fr.6 |
| 238 | 8.92 | 1595.7825 | M+H | -0.92 | C76H122O35 | barrigenol R1-GlcA-2Glc, Glc-2Glc-2Ang | Unknown | Fr.9 |
| 239 | 8.92 | 1229.5924 | M+Na | -0.12 | C58H94O26 | barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.9 |
| 240 | 8.92 | 1211.6163 | M+Na | -1.68 | C59H96O24 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-Ang | Identified | Fr.6 |
| 241 | 8.92 | 1046.5848 | M+NH4 | -4.38 | C52H84O20 | 16-ketone-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.7 |
| 242 | 8.95 | 1029.5668 | M+H | 3.79 | C52H84O20 | 16-ketone-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 243 | 8.95 | 1287.6158 | M+H | -4.45 | C59H98O30 | 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Rha | Unknown | Fr.9 |
| 244 | 9.00 | 1241.5973 | M+Na | 3.82 | C59H94O26 | barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.7 |
| 245 | 9.00 | 1243.6056 | M+Na | -2.10 | C59H96O26 | barrigenol R1-GlcA, Glc-Glc-Rha-Ang; barringtogenol C-GlcA, Glc-2Glc-Ang; barringtogenol C-GlcA-Glc, Glc-Glc-Ang; barringtogenol C-GlcA-2Glc, Glc-Ang | Unknown | Fr.6 |
| 246 | 9.01 | 1241.5970 | M+Na | 3.62 | C59H94O26 | barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.6 |
| 247 | 9.05 | 1293.6088 | M+Na | 0.13 | C59H98O29 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Glc | Unknown | Fr.7 |
| 248 | 9.06 | 1059.5398 | M+H | 2.59 | C52H82O22 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-Ang | Unknown | Fr.9 |
| 249 | 9.06 | 1141.5822 | M+H | 2.83 | C57H88O23 | barringtogenol C-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-2Glc, Glc | Unknown | Fr.9 |
| 250 | 9.06 | 1477.6763 | M+H | 4.71 | C66H108O36 | barringtogenol C-Glc-2Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-2Glc | Unknown | Fr.10 |
| 251 | 9.08 | 1143.5896 | M+H | -4.35 | C57H90O23 | 16-ketone-barringtogenol C-GlcA-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.6 |
| 252 | 9.14 | 1482.6929 | M+NH4 | -2.01 | C65H108O36 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha | Unknown | Fr.6 |
| 253 | 9.16 | 1271.6361 | M+H | -4.56 | C63H98O26 | barrigenol R1-Glc-Glc-Ara, Glc-Glc | Unknown | Fr.8 |
| 254 | 9.28 | 1485.6925 | M+Na | 3.54 | C70H110O32 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.9 |
| 255 | 9.29 | 1041.5621 | M+H | -0.71 | C53H84O20 | 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.9 |
| 256 | 9.31 | 1492.681 | M+NH4 | 0.56 | C66H106O36 | 16-ketone-barringtogenol C-Glc-2Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Glc-Rha | Unknown | Fr.9 |
| 257 | 9.32 | 1417.6884 | M+H | 2.68 | C65H108O33 | 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.8 |
| 258 | 9.38 | 1073.5574 | M+H | 4.35 | C53H84O22 | 16-ketone-barringtogenol C-GlcA-2Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.9 |
| 259 | 9.41 | 653.4288 | M+H | 4.36 | C36H60O10 | 16-ketone-barringtogenol C-2Ang | Unknown | Fr.8 |
| 260 | 9.43 | 1043.5826 | M+H | 3.95 | C53H86O20 | barrigenol R1-Glc-Glc-Ara-Ang | Unknown | Fr.7 |
| 261 | 9.46 | 1334.6521 | M+NH4 | -4.93 | C60H100O31 | barringtogenol C-GlcA-Glc-Ara, Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.9 |
| 262 | 9.48 | 571.3998 | M+H | 0.91 | C35H54O6 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.1 |
| 263 | 9.48 | 653.4417 | M+H | 0.81 | C40H60O7 | barrigenol R1-2Ang | Unknown | Fr.6 |
| 264 | 9.48 | 671.4521 | M+H | 0.59 | C40H62O8 | barrigenol R1-Glc; barrigenol R1-Glc | Identified | Fr.6 |
| 265 | 9.48 | 747.4317 | M+H | 0.40 | C41H62O12 | 16-deoxy-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Ang | Unknown | Fr.9 |
| 266 | 9.48 | 733.4526 | M+H | 0.59 | C41H64O11 | 16-ketone-barringtogenol C-Glc-Ang; 16-ketone-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Ang | Unknown | Fr.3 |
| 267 | 9.48 | 829.4737 | M+H | 0.51 | C46H68O13 | 16-ketone-barringtogenol C-GlcA-2Ang | Unknown | Fr.6 |
| 268 | 9.48 | 815.4944 | M+H | 0.55 | C46H70O12 | barrigenol R1-Glc-Glc; barrigenol R1-Glc-Glc; barrigenol R1-Glc, Glc | Unknown | Fr.8 |
| 269 | 9.48 | 847.4841 | M+H | 0.28 | C46H70O14 | 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc, Glc; 16-deoxy-barringtogenol C-GlcA-Glc; 16-deoxy-barringtogenol C-GlcA, Glc | Unknown | Fr.6 |
| 270 | 9.48 | 833.5052 | M+H | 0.74 | C46H72O13 | barrigenol R1-Glc-2Ang; barrigenol R1-Glc-2Ang | Identified | Fr.5 |
| 271 | 9.48 | 909.4846 | M+H | 0.43 | C47H72O17 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.9 |
| 272 | 9.48 | 895.5054 | M+H | 0.46 | C47H74O16 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.4 |
| 273 | 9.48 | 991.5269 | M+H | 0.77 | C52H78O18 | 16-ketone-barringtogenol C-GlcA-Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.8 |
| 274 | 9.48 | 977.5476 | M+H | 0.80 | C52H80O17 | barringtogenol C-GlcA-Glc-2Ang; barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.5 |
| 275 | 9.48 | 1009.5372 | M+H | 0.57 | C52H80O19 | barrigenol R1-Glc-Glc-Ara | Unknown | Fr.7 |
| 276 | 9.48 | 1041.5267 | M+H | 0.23 | C52H80O21 | barrigenol R1-GlcA-Glc-2Ang; barrigenol R1-GlcA, Glc-2Ang | Unknown | Fr.9 |
| 277 | 9.48 | 995.558 | M+H | 0.66 | C52H82O18 | barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc, Glc-2Ang | Unknown | Fr.5 |
| 278 | 9.48 | 1071.5378 | M+H | 0.74 | C53H82O22 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.8 |
| 279 | 9.48 | 1109.5902 | M+H | 1.01 | C57H88O21 | barrigenol R1-GlcA-Glc-Ara-2Ang | Unknown | Fr.9 |
| 280 | 9.48 | 1153.5798 | M+H | 0.79 | C58H88O23 | barringtogenol C-GlcA-2Glc-2Ang; barringtogenol C-GlcA, Glc-Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.5 |
| 281 | 9.48 | 1171.5907 | M+H | 1.04 | C58H90O24 | barrigenol R1-Glc-Glc-Ara-2Ang | Unknown | Fr.5 |
| 282 | 9.48 | 1233.5913 | M+H | 1.17 | C59H92O27 | barrigenol R1-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.8 |
| 283 | 9.48 | 1303.6332 | M+H | 1.10 | C63H98O28 | 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Rha | Unknown | Fr.6 |
| 284 | 9.48 | 1333.6439 | M+H | 1.22 | C64H100O29 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-2Glc; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-Glc | Unknown | Fr.9 |
| 285 | 9.48 | 1385.6639 | M+H | 4.03 | C64H104O32 | 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.8 |
| 286 | 9.48 | 1315.6331 | M+H | 1.00 | C64H98O28 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Ang | Unknown | Fr.9 |
| 287 | 9.48 | 1447.6775 | M+H | 2.41 | C69H106O32 | barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.9 |
| 288 | 9.48 | 1465.6860 | M+H | 1.01 | C69H108O33 | barrigenol R1-GlcA-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.9 |
| 289 | 9.48 | 1477.6799 | M+H | -3.13 | C70H108O33 | barrigenol R1-GlcA-Glc, Glc-Glc-Rha-2Ang; barringtogenol C-GlcA-Glc, Glc-2Glc-2Ang; barringtogenol C-GlcA-2Glc, Glc-Glc-2Ang | Unknown | Fr.9 |
| 290 | 9.48 | 1657.7461 | M+H | -1.12 | C76H120O39 | barrigenol R1-GlcA-Glc-Ara, Glc-2Glc-2Ang | Unknown | Fr.9 |
| 291 | 9.48 | 981.4667 | M+Na | 0.17 | C47H74O20 | barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc, Glc-Ang | Unknown | Fr.9 |
| 292 | 9.48 | 1238.6140 | M+NH4 | -1.94 | C58H92O27 | barringtogenol C-GlcA-Glc-Ara, Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.8 |
| 293 | 9.48 | 1400.6682 | M+NH4 | -0.74 | C64H102O32 | barrigenol R1-Glc-Glc, Glc-2Glc; barrigenol R1-Glc-2Glc, Glc-Glc | Unknown | Fr.8 |
| 294 | 9.48 | 1484.7196 | M+NH4 | -4.82 | C69H110O33 | barrigenol R1-GlcA-2Glc, Glc-Glc-Rha; barringtogenol C-GlcA-2Glc, Glc-2Glc | Unknown | Fr.9 |
| 295 | 9.50 | 1365.6296 | M+H | -1.82 | C64H100O31 | 16-ketone-barringtogenol C-GlcA, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.9 |
| 296 | 9.50 | 999.5294 | M+Na | 0.65 | C52H80O17 | barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc, Glc-2Ang | Unknown | Fr.7 |
| 297 | 9.51 | 1317.6416 | M+H | -4.39 | C64H100O28 | barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-2Ang | Unknown | Fr.2 |
| 298 | 9.53 | 1305.6412 | M+H | -4.71 | C63H100O28 | barrigenol R1-GlcA-Glc-Ara, Glc-Glc | Unknown | Fr.8 |
| 299 | 9.55 | 1299.6387 | M+H | 1.42 | C64H98O27 | 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 300 | 9.57 | 1123.6088 | M+H | 3.58 | C58H90O21 | barrigenol R1-Glc, Glc-Glc-Rha; barringtogenol C-Glc, Glc-2Glc; barringtogenol C-Glc-Glc, Glc-Glc; barringtogenol C-Glc-2Glc, Glc | Unknown | Fr.7 |
| 301 | 9.57 | 1461.6953 | M+H | 3.87 | C70H108O32 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-Glc-2Ang | Unknown | Fr.9 |
| 302 | 9.57 | 1479.7052 | M+H | 3.37 | C70H110O33 | barringtogenol C-GlcA-Glc, Glc-Glc-Rha-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Glc-2Ang | Unknown | Fr.9 |
| 303 | 9.59 | 1480.7094 | M+NH4 | -4.89 | C66H110O35 | barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.8 |
| 304 | 9.62 | 977.5504 | M+H | 3.60 | C52H80O17 | barringtogenol C-GlcA-Glc-2Ang; barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.4 |
| 305 | 9.62 | 995.5607 | M+H | 3.35 | C52H82O18 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara-Ang | Unknown | Fr.6 |
| 306 | 9.62 | 1333.6476 | M+H | 3.96 | C64H100O29 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-2Glc; 16-ketone-barringtogenol C-GlcA-2Glc, Glc-Glc | Unknown | Fr.6 |
| 307 | 9.62 | 1315.6373 | M+H | 4.25 | C64H98O28 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Ang | Unknown | Fr.9 |
| 308 | 9.67 | 1213.6034 | M+Na | 4.74 | C58H94O25 | barringtogenol C-Glc, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Ang | Unknown | Fr.8 |
| 309 | 9.73 | 573.4166 | M+H | 2.89 | C35H56O6 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.7 |
| 310 | 9.73 | 655.4586 | M+H | 2.64 | C40H62O7 | barrigenol R1-GlcA | Unknown | Fr.8 |
| 311 | 9.73 | 749.4487 | M+H | 2.24 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.6 |
| 312 | 9.73 | 735.4697 | M+H | 2.55 | C41H66O11 | barringtogenol C-GlcA-Ang | Unknown | Fr.8 |
| 313 | 9.73 | 831.491 | M+H | 2.46 | C46H70O13 | barrigenol R1-Glc-2Ang; barrigenol R1-Glc-2Ang | Unknown | Fr.6 |
| 314 | 9.73 | 817.5117 | M+H | 2.53 | C46H72O12 | barrigenol R1-GlcA-2Ang | Unknown | Fr.6 |
| 315 | 9.73 | 911.5019 | M+H | 2.21 | C47H74O17 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.1 |
| 316 | 9.73 | 993.5427 | M+H | 0.99 | C52H80O18 | barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc, Glc-2Ang | Unknown | Fr.8 |
| 317 | 9.73 | 979.5653 | M+H | 2.89 | C52H82O17 | barrigenol R1-Glc-2Glc; barrigenol R1-Glc-2Glc; barrigenol R1-Glc, Glc-Glc; barrigenol R1-Glc-Glc, Glc | Unknown | Fr.6 |
| 318 | 9.73 | 1043.5428 | M+H | 0.68 | C52H82O21 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.5 |
| 319 | 9.73 | 1073.5553 | M+H | 2.42 | C53H84O22 | 16-ketone-barringtogenol C-GlcA-2Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.5 |
| 320 | 9.73 | 1319.658 | M+H | -3.85 | C64H102O28 | barrigenol R1-Glc-Glc-Ara, Glc-Glc | Unknown | Fr.6 |
| 321 | 9.92 | 1158.6461 | M+NH4 | 3.68 | C58H92O22 | barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-Glc, Glc-2Ang | Unknown | Fr.10 |
| 322 | 10.03 | 1285.6039 | M+H | -1.59 | C59H96O30 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.8 |
| 323 | 10.05 | 651.4130 | M+H | 4.14 | C36H58O10 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.5 |
| 324 | 10.08 | 1465.6907 | M+H | 4.17 | C69H108O33 | barrigenol R1-GlcA-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.8 |
| 325 | 10.08 | 1467.6967 | M+H | -2.42 | C69H110O33 | 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.9 |
| 326 | 10.08 | 1466.6937 | M+NH4 | -4.92 | C65H108O35 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha | Unknown | Fr.9 |
| 327 | 10.09 | 881.5289 | M+H | 3.60 | C47H76O15 | barrigenol R1-GlcA-Glc-Ang; barrigenol R1-GlcA, Glc-Ang | Unknown | Fr.8 |
| 328 | 10.09 | 1043.5829 | M+H | 4.18 | C53H86O20 | barrigenol R1-GlcA-2Glc-Ang; barrigenol R1-GlcA, Glc-Glc-Ang; barrigenol R1-GlcA-Glc, Glc-Ang | Identified | Fr.9 |
| 329 | 10.09 | 1046.5931 | M+NH4 | 3.55 | C52H84O20 | barringtogenol C-GlcA-Glc-Ara-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.6 |
| 330 | 10.14 | 969.5064 | M+Na | 3.57 | C47H78O19 | 16-deoxy-barringtogenol C-Glc-Glc-Ara | Unknown | Fr.9 |
| 331 | 10.14 | 1131.5603 | M+Na | 4.01 | C53H88O24 | 16-ketone-barringtogenol C-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Rha | Unknown | Fr.9 |
| 332 | 10.16 | 1451.7118 | M+H | 4.47 | C69H110O32 | barringtogenol C-Glc-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.6 |
| 333 | 10.22 | 1287.6428 | M+H | 4.66 | C63H98O27 | barrigenol R1-Glc, Glc-Glc-Rha-2Ang; barringtogenol C-Glc, Glc-2Glc-2Ang; barringtogenol C-Glc-Glc, Glc-Glc-2Ang; barringtogenol C-Glc-2Glc, Glc-2Ang | Unknown | Fr.6 |
| 334 | 10.22 | 1449.6963 | M+H | 4.58 | C69H108O32 | barringtogenol C-GlcA-Glc, Glc-Glc-Rha-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Glc-2Ang | Unknown | Fr.6 |
| 335 | 10.26 | 1251.6062 | M+H | 4.60 | C59H94O28 | barrigenol R1-Glc, Glc-2Glc-Ang; barrigenol R1-Glc-Glc, Glc-Glc-Ang; barrigenol R1-Glc-2Glc, Glc-Ang | Unknown | Fr.9 |
| 336 | 10.38 | 993.5453 | M+H | 3.57 | C52H80O18 | 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.9 |
| 337 | 10.38 | 979.5657 | M+H | 3.26 | C52H82O17 | barrigenol R1-Glc-2Glc; barrigenol R1-Glc-2Glc; barrigenol R1-Glc, Glc-Glc; barrigenol R1-Glc-Glc, Glc | Unknown | Fr.8 |
| 338 | 10.38 | 1155.5992 | M+H | 4.04 | C58H90O23 | barrigenol R1-Glc-Glc-Ara, Glc | Unknown | Fr.6 |
| 339 | 10.38 | 1299.6417 | M+H | 3.77 | C64H98O27 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Ang | Unknown | Fr.9 |
| 340 | 10.38 | 1449.6948 | M+H | 3.57 | C69H108O32 | barrigenol R1-GlcA-Glc-Ara, Glc-2Glc | Unknown | Fr.6 |
| 341 | 10.38 | 1155.5999 | M+H | 4.57 | C58H90O23 | barrigenol R1-Glc-Glc-Ara, Glc | Unknown | Fr.5 |
| 342 | 10.39 | 813.4659 | M+H | 3.49 | C42H68O15 | 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc, Glc; 16-deoxy-barringtogenol C-GlcA-Glc; 16-deoxy-barringtogenol C-GlcA, Glc | Unknown | Fr.8 |
| 343 | 10.46 | 1217.5980 | M+H | 2.52 | C59H92O26 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-Ang | Unknown | Fr.7 |
| 344 | 10.46 | 1283.5863 | M+H | -3.09 | C59H94O30 | barrigenol R1-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.6 |
| 345 | 10.46 | 741.4584 | M+Na | 4.79 | C41H66O10 | barringtogenol C-GlcA-Ang | Unknown | Fr.2 |
| 346 | 10.46 | 935.5016 | M+Na | 4.47 | C47H76O17 | 16-deoxy-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.9 |
| 347 | 10.46 | 1001.4966 | M+Na | 3.80 | C47H78O21 | 16-ketone-barringtogenol C-Glc-2Glc; 16-ketone-barringtogenol C-Glc-2Glc; 16-ketone-barringtogenol C-Glc, Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc, Glc; 16-deoxy-barringtogenol C-GlcA-2Glc; 16-deoxy-barringtogenol C-GlcA, Glc-Glc; 16-deoxy-barringtogenol C-GlcA-Glc, Glc | Unknown | Fr.9 |
| 348 | 10.46 | 1067.5430 | M+Na | 3.03 | C52H84O21 | barringtogenol C-Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Ang | Unknown | Fr.8 |
| 349 | 10.46 | 1081.5511 | M+Na | -3.91 | C53H86O21 | barrigenol R1-GlcA-2Glc-Ang; barrigenol R1-GlcA, Glc-Glc-Ang; barrigenol R1-GlcA-Glc, Glc-Ang | Unknown | Fr.8 |
| 350 | 10.46 | 1097.5549 | M+Na | 4.22 | C53H86O22 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha | Unknown | Fr.9 |
| 351 | 10.46 | 1229.5975 | M+Na | 4.05 | C58H94O26 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.8 |
| 352 | 10.66 | 765.4454 | M+H | 4.45 | C41H64O13 | barrigenol R1-GlcA-Ang | Unknown | Fr.6 |
| 353 | 10.72 | 997.5015 | M+Na | 3.67 | C48H78O20 | 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.6 |
| 354 | 10.74 | 665.3901 | M+H | 0.81 | C36H56O11 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.8 |
| 355 | 10.74 | 827.4423 | M+H | -0.05 | C42H66O16 | 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc, Glc | Unknown | Fr.8 |
| 356 | 10.74 | 741.4578 | M+Na | 4.05 | C41H66O10 | barringtogenol C-GlcA-Ang | Unknown | Fr.10 |
| 357 | 10.74 | 935.5007 | M+Na | 3.49 | C47H76O17 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara | Unknown | Fr.7 |
| 358 | 10.74 | 1097.5541 | M+Na | 3.44 | C53H86O22 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha | Unknown | Fr.8 |
| 359 | 10.74 | 1229.5964 | M+Na | 3.16 | C58H94O26 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.9 |
| 360 | 10.77 | 719.4733 | M+H | 0.55 | C41H66O10 | barringtogenol C-GlcA-Ang | Unknown | Fr.1 |
| 361 | 10.77 | 881.5264 | M+H | 0.83 | C47H76O15 | barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc, Glc-Ang | Unknown | Fr.6 |
| 362 | 10.77 | 1027.5851 | M+H | 1.43 | C53H86O19 | barrigenol R1-GlcA-Glc-Ara-Ang | Identified | Fr.6 |
| 363 | 10.77 | 773.4475 | M+Na | 3.70 | C41H66O12 | barrigenol R1-GlcA-Ang | Unknown | Fr.1 |
| 364 | 10.84 | 1203.5851 | M+H | 4.80 | C58H90O26 | barrigenol R1-GlcA-2Glc-2Ang; barrigenol R1-GlcA, Glc-Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-2Ang | Unknown | Fr.7 |
| 365 | 10.86 | 1307.6337 | M+Na | -4.46 | C64H100O26 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.9 |
| 366 | 10.94 | 637.4327 | M+H | 2.62 | C36H60O9 | 16-ketone-barringtogenol C-Glc; 16-ketone-barringtogenol C-Glc; 16-deoxy-barringtogenol C-GlcA | Unknown | Fr.1 |
| 367 | 10.94 | 1269.6047 | M+H | -4.93 | C59H96O29 | 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Rha | Unknown | Fr.10 |
| 368 | 10.96 | 667.4081 | M+H | 4.33 | C36H58O11 | 16-ketone-barringtogenol C-Glc; 16-ketone-barringtogenol C-Glc; 16-deoxy-barringtogenol C-GlcA | Unknown | Fr.8 |
| 369 | 11.03 | 1131.5596 | M+Na | 3.36 | C53H88O24 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.6 |
| 370 | 11.05 | 845.4538 | M+H | 1.02 | C42H68O17 | 16-ketone-barringtogenol C-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Ang | Unknown | Fr.5 |
| 371 | 11.05 | 1205.5970 | M+H | 1.73 | C58H92O26 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.7 |
| 372 | 11.05 | 665.3908 | M+H | 1.91 | C36H56O11 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.6 |
| 373 | 11.05 | 683.4013 | M+H | 1.76 | C36H58O12 | barringtogenol C-Glc,barringtogenol C-Glc | Unknown | Fr.6 |
| 374 | 11.05 | 911.5018 | M+H | 2.07 | C47H74O17 | barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc-Glc-Ang; barringtogenol C-Glc, Glc-Ang | Unknown | Fr.8 |
| 375 | 11.05 | 1043.5446 | M+H | 2.31 | C52H82O21 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-Ang | Unknown | Fr.8 |
| 376 | 11.05 | 1073.5552 | M+H | 2.31 | C53H84O22 | barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.6 |
| 377 | 11.05 | 1205.5986 | M+H | 3.05 | C58H92O26 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.6 |
| 378 | 11.05 | 1309.6573 | M+Na | 1.68 | C64H102O26 | barrigenol R1-Glc, Glc-2Glc-2Ang; barrigenol R1-Glc-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-2Glc, Glc-2Ang | Unknown | Fr.8 |
| 379 | 11.10 | 1291.6338 | M+Na | 3.45 | C60H100O28 | 16-ketone-barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Rha-2Ang | Unknown | Fr.6 |
| 380 | 11.11 | 637.4321 | M+H | 1.66 | C36H60O9 | barringtogenol C-GlcA | Unknown | Fr.4 |
| 381 | 11.22 | 1127.6041 | M+H | 3.97 | C57H90O22 | barrigenol R1-GlcA, Glc-Glc-Rha; barringtogenol C-GlcA, Glc-2Glc; barringtogenol C-GlcA-Glc, Glc-Glc; barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.6 |
| 382 | 11.22 | 1289.6581 | M+H | 4.35 | C63H100O27 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-2Ang | Unknown | Fr.9 |
| 383 | 11.24 | 1287.6407 | M+H | 3.05 | C63H98O27 | barrigenol R1-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.8 |
| 384 | 11.24 | 919.5001 | M+Na | -2.72 | C47H76O16 | barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc, Glc-Ang | Unknown | Fr.1 |
| 385 | 11.24 | 1304.6687 | M+NH4 | 4.09 | C63H98O27 | barrigenol R1-Glc, Glc-Glc-Rha-2Ang; barringtogenol C-Glc, Glc-2Glc-2Ang; barringtogenol C-Glc-Glc, Glc-Glc-2Ang; barringtogenol C-Glc-2Glc, Glc-2Ang | Unknown | Fr.9 |
| 386 | 11.27 | 881.5291 | M+H | 3.87 | C47H76O15 | barrigenol R1-GlcA-Glc-Ang; barrigenol R1-GlcA, Glc-Ang | Unknown | Fr.6 |
| 387 | 11.28 | 1250.6195 | M+NH4 | 2.47 | C59H92O27 | barrigenol R1-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.7 |
| 388 | 11.28 | 1320.6404 | M+NH4 | -2.01 | C59H98O31 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc | Unknown | Fr.8 |
| 389 | 11.29 | 1259.5983 | M+Na | -3.85 | C59H96O27 | 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Rha | Unknown | Fr.9 |
| 390 | 11.29 | 1250.6139 | M+NH4 | -2.02 | C59H92O27 | barrigenol R1-Glc, Glc-Glc-Rha-Ang; barringtogenol C-Glc, Glc-2Glc-Ang; barringtogenol C-Glc-Glc, Glc-Glc-Ang; barringtogenol C-Glc-2Glc, Glc-Ang | Unknown | Fr.9 |
| 391 | 11.30 | 1027.5883 | M+H | 4.52 | C53H86O19 | barrigenol R1-Glc-Glc-Rha-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc, Glc-Glc-Ang; barringtogenol C-Glc-Glc, Glc-Ang | Unknown | Fr.7 |
| 392 | 11.32 | 1109.5919 | M+H | 2.55 | C57H88O21 | barrigenol R1-GlcA-Glc-Ara-2Ang | Unknown | Fr.5 |
| 393 | 11.32 | 1111.6071 | M+H | 2.08 | C57H90O21 | barringtogenol C-Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Ang | Unknown | Fr.6 |
| 394 | 11.32 | 1127.6022 | M+H | 2.24 | C57H90O22 | 16-ketone-barringtogenol C-GlcA, Glc-2Glc; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc; 16-ketone-barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.6 |
| 395 | 11.32 | 1273.6608 | M+H | 2.52 | C63H100O26 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.6 |
| 396 | 11.32 | 1289.6549 | M+H | 1.89 | C63H100O27 | barringtogenol C-GlcA-Glc, Glc-Glc-Rha; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Glc; 16-ketone-barringtogenol C-Glc-2Glc, Glc-Glc; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Glc | Unknown | Fr.9 |
| 397 | 11.32 | 1435.7141 | M+H | 2.60 | C69H110O31 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-Rha; barringtogenol C-Glc-Glc-Ara, Glc-2Glc | Unknown | Fr.8 |
| 398 | 11.33 | 1435.7162 | M+H | 4.04 | C69H110O31 | 16-ketone-barringtogenol C-Glc-2Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Glc-Rha | Unknown | Fr.6 |
| 399 | 11.47 | 1041.5634 | M+H | 0.47 | C53H84O20 | 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.7 |
| 400 | 11.49 | 1057.5613 | M+H | 3.30 | C53H84O21 | barrigenol R1-Glc-Glc-Rha-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc-2Glc-Ang; barringtogenol C-Glc, Glc-Glc-Ang; barringtogenol C-Glc-Glc, Glc-Ang | Unknown | Fr.9 |
| 401 | 11.49 | 1189.6051 | M+H | 4.26 | C58H92O25 | barrigenol R1-GlcA, Glc-2Glc; barrigenol R1-GlcA-Glc, Glc-Glc; barrigenol R1-GlcA-2Glc, Glc | Unknown | Fr.6 |
| 402 | 11.49 | 895.5067 | M+H | 1.89 | C47H74O16 | 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.6 |
| 403 | 11.49 | 1057.5602 | M+H | 2.26 | C53H84O21 | barrigenol R1-GlcA-Glc-Ara-Ang | Unknown | Fr.7 |
| 404 | 11.49 | 1189.6039 | M+H | 3.23 | C58H92O25 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.7 |
| 405 | 11.49 | 747.4328 | M+H | 1.87 | C41H62O12 | 16-ketone-barringtogenol C-Glc-Ang; 16-ketone-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Ang | Unknown | Fr.6 |
| 406 | 11.49 | 1153.5823 | M+H | 2.91 | C58H88O23 | barringtogenol C-GlcA-2Glc-2Ang; barringtogenol C-GlcA, Glc-Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.8 |
| 407 | 11.49 | 855.4872 | M+Na | 0.86 | C46H72O13 | barrigenol R1-GlcA-2Ang | Unknown | Fr.7 |
| 408 | 11.49 | 1327.6239 | M+Na | -4.09 | C63H100O28 | barringtogenol C-GlcA, Glc-Glc-Rha-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.6 |
| 409 | 11.49 | 855.4882 | M+Na | 1.93 | C46H72O13 | barrigenol R1-GlcA-2Ang | Unknown | Fr.6 |
| 410 | 11.51 | 733.4537 | M+H | 2.18 | C41H64O11 | barringtogenol C-Glc-Ang; barringtogenol C-Glc-Ang | Unknown | Fr.7 |
| 411 | 11.51 | 815.4957 | M+H | 2.12 | C46H70O12 | barringtogenol C-GlcA-2Ang | Unknown | Fr.9 |
| 412 | 11.51 | 833.5064 | M+H | 2.21 | C46H72O13 | barrigenol R1-GlcA-Glc; barrigenol R1-GlcA, Glc | Unknown | Fr.2 |
| 413 | 11.51 | 909.4861 | M+H | 2.04 | C47H72O17 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.7 |
| 414 | 11.51 | 977.5500 | M+H | 3.23 | C52H80O17 | barringtogenol C-GlcA-Glc-2Ang; barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.8 |
| 415 | 11.51 | 1071.5394 | M+H | 2.22 | C53H82O22 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.7 |
| 416 | 11.51 | 1153.5823 | M+H | 2.91 | C58H88O23 | barringtogenol C-GlcA-2Glc-2Ang; barringtogenol C-GlcA, Glc-Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.9 |
| 417 | 11.51 | 1171.5927 | M+H | 2.71 | C58H90O24 | barrigenol R1-GlcA-2Glc-2Ang; barrigenol R1-GlcA, Glc-Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-2Ang | Unknown | Fr.9 |
| 418 | 11.51 | 1305.6420 | M+H | -4.15 | C63H100O28 | barrigenol R1-Glc-Glc, Glc-Glc-Rha; barringtogenol C-Glc-Glc, Glc-2Glc; barringtogenol C-Glc-2Glc, Glc-Glc | Unknown | Fr.10 |
| 419 | 11.51 | 1285.6256 | M+H | 3.45 | C63H96O27 | barringtogenol C-GlcA, Glc-Glc-Rha-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.7 |
| 420 | 11.51 | 1303.6356 | M+H | 2.98 | C63H98O28 | barrigenol R1-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.9 |
| 421 | 11.51 | 571.4008 | M+H | 2.51 | C35H54O6 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.5 |
| 422 | 11.51 | 653.4427 | M+H | 2.40 | C40H60O7 | barrigenol R1-2Ang | Unknown | Fr.8 |
| 423 | 11.51 | 671.4532 | M+H | 2.14 | C40H62O8 | barrigenol R1-Glc; barrigenol R1-Glc | Identified | Fr.7 |
| 424 | 11.51 | 733.4537 | M+H | 2.09 | C41H64O11 | barringtogenol C-Glc-Ang; barringtogenol C-Glc-Ang | Unknown | Fr.9 |
| 425 | 11.51 | 829.4748 | M+H | 1.84 | C46H68O13 | 16-ketone-barringtogenol C-GlcA-2Ang | Unknown | Fr.7 |
| 426 | 11.51 | 815.4957 | M+H | 2.04 | C46H70O12 | barringtogenol C-GlcA-2Ang | Unknown | Fr.5 |
| 427 | 11.51 | 847.4858 | M+H | 2.37 | C46H70O14 | 16-ketone-barringtogenol C-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Ang | Unknown | Fr.2 |
| 428 | 11.51 | 833.5062 | M+H | 1.99 | C46H72O13 | barrigenol R1-GlcA-Glc; barrigenol R1-GlcA, Glc | Unknown | Fr.1 |
| 429 | 11.51 | 909.4861 | M+H | 2.11 | C47H72O17 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.5 |
| 430 | 11.51 | 991.5288 | M+H | 2.74 | C52H78O18 | barringtogenol C-GlcA-Glc-2Ang; barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.6 |
| 431 | 11.51 | 1009.5391 | M+H | 2.38 | C52H80O19 | barrigenol R1-GlcA-2Glc; barrigenol R1-GlcA, Glc-Glc; barrigenol R1-GlcA-Glc, Glc | Unknown | Fr.9 |
| 432 | 11.51 | 1071.5396 | M+H | 2.33 | C53H82O22 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.6 |
| 433 | 11.51 | 1171.5924 | M+H | 2.50 | C58H90O24 | barrigenol R1-GlcA, Glc-2Glc; barrigenol R1-GlcA-Glc, Glc-Glc; barrigenol R1-GlcA-2Glc, Glc | Unknown | Fr.9 |
| 434 | 11.51 | 1203.5831 | M+H | 3.17 | C58H90O26 | barrigenol R1-GlcA-2Glc-2Ang; barrigenol R1-GlcA, Glc-Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-2Ang | Unknown | Fr.6 |
| 435 | 11.51 | 1305.6414 | M+H | -4.62 | C63H100O28 | barrigenol R1-GlcA-Glc-Ara, Glc-Glc | Unknown | Fr.9 |
| 436 | 11.51 | 1285.6248 | M+H | 2.79 | C63H96O27 | barringtogenol C-GlcA, Glc-Glc-Rha-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-2Ang16-deoxy-barringtogenol C-GlcA, Glc-2Glc-2Ang16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-2Ang16-deoxy-barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.9 |
| 437 | 11.51 | 1287.6312 | M+H | -4.34 | C63H98O27 | barrigenol R1-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.9 |
| 438 | 11.51 | 1303.6356 | M+H | 2.98 | C63H98O28 | barrigenol R1-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.8 |
| 439 | 11.55 | 1317.6532 | M+H | 4.41 | C64H100O28 | barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.6 |
| 440 | 11.55 | 1319.6591 | M+H | -3.02 | C64H102O28 | barrigenol R1-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.7 |
| 441 | 11.68 | 637.4341 | M+H | 4.92 | C36H60O9 | barringtogenol C-Glc; barringtogenol C-Glc | Unknown | Fr.4 |
| 442 | 11.68 | 659.4159 | M+Na | 4.46 | C36H60O9 | barringtogenol C-Glc; barringtogenol C-Glc | Unknown | Fr.2 |
| 443 | 11.69 | 637.4337 | M+H | 4.15 | C36H60O9 | barringtogenol C-Glc; barringtogenol C-Glc | Identified | Fr.3 |
| 444 | 11.72 | 655.4600 | M+H | 4.78 | C40H62O7 | barrigenol R1-Glc; barrigenol R1-Glc | Unknown | Fr.8 |
| 445 | 11.72 | 911.5037 | M+H | 4.22 | C47H74O17 | 16-ketone-barringtogenol C-GlcA-Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.6 |
| 446 | 11.72 | 1156.6066 | M+NH4 | -3.78 | C54H90O25 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc | Unknown | Fr.9 |
| 447 | 11.75 | 1291.6234 | M+Na | -4.58 | C60H100O28 | barringtogenol C-Glc-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc | Unknown | Fr.10 |
| 448 | 11.78 | 919.5055 | M+Na | 3.19 | C47H76O16 | barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc, Glc-Ang | Unknown | Fr.2 |
| 449 | 11.78 | 999.4755 | M+Na | -1.61 | C47H76O21 | barringtogenol C-Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc | Unknown | Fr.8 |
| 450 | 11.78 | 1081.5587 | M+Na | 3.08 | C53H86O21 | barrigenol R1-Glc-2Glc-Ang; barrigenol R1-Glc-2Glc-Ang; barrigenol R1-Glc, Glc-Glc-Ang; barrigenol R1-Glc-Glc, Glc-Ang | Unknown | Fr.7 |
| 451 | 11.78 | 1147.5479 | M+Na | -2.47 | C53H88O25 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.7 |
| 452 | 11.78 | 1213.6013 | M+Na | 3.03 | C58H94O25 | barringtogenol C-Glc, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Ang | Unknown | Fr.9 |
| 453 | 11.78 | 1243.6106 | M+Na | 1.93 | C59H96O26 | barrigenol R1-Glc, Glc-2Glc-Ang; barrigenol R1-Glc-Glc, Glc-Glc-Ang; barrigenol R1-Glc-2Glc, Glc-Ang | Unknown | Fr.6 |
| 454 | 11.78 | 1437.6541 | M+Na | 2.22 | C65H106O33 | barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Rha; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-2Glc | Unknown | Fr.9 |
| 455 | 11.78 | 1240.6261 | M+NH4 | -4.81 | C58H94O27 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Ang | Unknown | Fr.7 |
| 456 | 11.78 | 1234.6211 | M+NH4 | -0.34 | C59H92O26 | barringtogenol C-GlcA, Glc-Glc-Rha-Ang; 16-ketone-barringtogenol C-Glc, Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Ang | Unknown | Fr.9 |
| 457 | 11.85 | 1172.6002 | M+NH4 | -4.81 | C54H90O26 | 16-ketone-barringtogenol C-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Rha | Unknown | Fr.6 |
| 458 | 11.89 | 765.4442 | M+H | 2.93 | C41H64O13 | barringtogenol C-GlcA-Ang | Unknown | Fr.7 |
| 459 | 11.89 | 827.4448 | M+H | 2.98 | C42H66O16 | 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc, Glc | Unknown | Fr.6 |
| 460 | 11.89 | 927.4979 | M+H | 3.31 | C47H74O18 | barringtogenol C-GlcA-Glc-Ang; barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.7 |
| 461 | 11.91 | 881.5295 | M+H | 4.36 | C47H76O15 | barrigenol R1-GlcA-Glc-Ang; barrigenol R1-GlcA, Glc-Ang | Unknown | Fr.9 |
| 462 | 11.91 | 589.4120 | M+H | 3.68 | C35H56O7 | barrigenol R1-Ang | Identified | Fr.7 |
| 463 | 11.91 | 1059.5410 | M+H | 3.74 | C52H82O22 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-Ang | Unknown | Fr.6 |
| 464 | 11.91 | 787.4260 | M+Na | 2.69 | C41H64O13 | barrigenol R1-GlcA-Ang | Unknown | Fr.7 |
| 465 | 11.91 | 1083.5302 | M+Na | -4.15 | C52H84O22 | barringtogenol C-Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Ang | Unknown | Fr.7 |
| 466 | 12.11 | 637.4341 | M+H | 4.82 | C36H60O9 | barringtogenol C-Glc; barringtogenol C-Glc | Unknown | Fr.5 |
| 467 | 12.14 | 571.4020 | M+H | 4.76 | C35H54O6 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.4 |
| 468 | 12.14 | 733.4553 | M+H | 4.26 | C41H64O11 | 16-deoxy-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Ang | Unknown | Fr.6 |
| 469 | 12.14 | 751.4658 | M+H | 4.07 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.2 |
| 470 | 12.31 | 1297.6105 | M+H | 3.51 | C60H96O30 | barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.9 |
| 471 | 12.32 | 1123.5698 | M+H | 1.31 | C57H86O22 | 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.7 |
| 472 | 12.32 | 1063.5482 | M+Na | 3.19 | C53H84O20 | 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.8 |
| 473 | 12.34 | 969.5054 | M+Na | 2.56 | C47H78O19 | 16-deoxy-barringtogenol C-Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Ang | Unknown | Fr.8 |
| 474 | 12.34 | 1138.5608 | M+NH4 | -2.81 | C53H84O25 | barringtogenol C-GlcA-2Glc-Ang; barringtogenol C-GlcA, Glc-Glc-Ang; barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.7 |
| 475 | 12.35 | 1111.6077 | M+H | 2.63 | C57H90O21 | barringtogenol C-Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Ang | Unknown | Fr.5 |
| 476 | 12.4 | 1159.5551 | M+Na | 3.76 | C54H88O25 | barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.5 |
| 477 | 12.56 | 1141.5826 | M+H | 3.26 | C57H88O23 | 16-ketone-barringtogenol C-Glc-Glc-Rha-2Ang | Unknown | Fr.6 |
| 478 | 12.57 | 1123.5726 | M+H | 3.81 | C57H86O22 | 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.5 |
| 479 | 12.79 | 1305.6129 | M+Na | 3.31 | C60H98O29 | 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-Rha | Unknown | Fr.7 |
| 480 | 12.84 | 1293.6664 | M+Na | 4.75 | C64H102O25 | barrigenol R1-GlcA, Glc-Glc-Rha-2Ang; barringtogenol C-GlcA, Glc-2Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.9 |
| 481 | 12.97 | 1129.5455 | M+Na | 4.79 | C53H86O24 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.6 |
| 482 | 13.38 | 1313.6061 | M+H | 4.00 | C60H96O31 | barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.7 |
| 483 | 13.68 | 667.4083 | M+H | 4.61 | C36H58O11 | 16-ketone-barringtogenol C-Glc; 16-ketone-barringtogenol C-Glc; 16-deoxy-barringtogenol C-GlcA | Unknown | Fr.5 |
| 484 | 13.74 | 976.5101 | M+NH4 | -1.06 | C47H74O20 | barringtogenol C-GlcA-Glc-Ang; barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.8 |
| 485 | 13.77 | 1468.7250 | M+NH4 | -4.68 | C69H110O32 | barringtogenol C-Glc-2Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-2Glc | Unknown | Fr.9 |
| 486 | 13.93 | 1189.6305 | M+H | -4.99 | C59H96O24 | barringtogenol C-GlcA, Glc-Glc-Rha-Ang; 16-ketone-barringtogenol C-Glc, Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Ang | Unknown | Fr.6 |
| 487 | 14.06 | 983.4838 | M+Na | 1.57 | C47H76O20 | 16-ketone-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.10 |
| 488 | 14.07 | 1027.5516 | M+H | 4.30 | C52H82O20 | 16-deoxy-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.5 |
| 489 | 14.08 | 689.3893 | M+Na | 3.21 | C36H58O11 | barringtogenol C-Glc; barringtogenol C-Glc | Unknown | Fr.9 |
| 490 | 14.08 | 851.4418 | M+Na | 2.20 | C42H68O16 | 16-ketone-barringtogenol C-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Ang | Unknown | Fr.7 |
| 491 | 14.08 | 823.4989 | M+Na | 2.70 | C46H72O11 | barrigenol R1-GlcA-Glc; barrigenol R1-GlcA, Glc | Unknown | Fr.6 |
| 492 | 14.08 | 1017.5420 | M+Na | 2.61 | C52H82O18 | 16-deoxy-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 493 | 14.08 | 1179.5956 | M+Na | 2.90 | C58H92O23 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-Ang | Identified | Fr.9 |
| 494 | 14.08 | 1311.6376 | M+Na | 2.40 | C63H100O27 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-2Ang | Unknown | Fr.8 |
| 495 | 14.08 | 1373.6306 | M+Na | -3.05 | C64H102O30 | barrigenol R1-GlcA, Glc-2Glc-2Ang; barrigenol R1-GlcA-Glc, Glc-Glc-2Ang; barrigenol R1-GlcA-2Glc, Glc-2Ang | Unknown | Fr.9 |
| 496 | 14.08 | 1535.6920 | M+Na | 2.85 | C70H112O35 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 497 | 14.08 | 1350.6633 | M+NH4 | -4.09 | C64H100O29 | barrigenol R1-GlcA-Glc, Glc-Glc-Rha; barringtogenol C-GlcA-Glc, Glc-2Glc; barringtogenol C-GlcA-2Glc, Glc-Glc | Unknown | Fr.9 |
| 498 | 14.09 | 1001.4949 | M+Na | 2.15 | C47H78O21 | 16-deoxy-barringtogenol C-Glc-Glc-Ara | Unknown | Fr.7 |
| 499 | 14.09 | 1291.5986 | M+Na | 4.40 | C59H96O29 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.6 |
| 500 | 14.17 | 1317.6528 | M+H | 4.13 | C64H100O28 | barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-2Ang | Unknown | Fr.6 |
| 501 | 14.17 | 1319.6591 | M+H | -3.02 | C64H102O28 | barrigenol R1-GlcA-Glc, Glc-2Glc; barrigenol R1-GlcA-2Glc, Glc-Glc | Unknown | Fr.6 |
| 502 | 14.63 | 557.4207 | M+H | 1.08 | C35H56O5 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.10 |
| 503 | 14.63 | 733.4526 | M+H | 0.59 | C41H64O11 | barringtogenol C-Glc-Ang; barringtogenol C-Glc-Ang | Unknown | Fr.6 |
| 504 | 14.63 | 895.5056 | M+H | 0.66 | C47H74O16 | 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.9 |
| 505 | 14.63 | 1165.5807 | M+Na | 3.58 | C57H90O23 | barringtogenol C-GlcA-2Glc-2Ang; barringtogenol C-GlcA, Glc-Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.6 |
| 506 | 14.63 | 1160.6268 | M+NH4 | 4.93 | C57H90O23 | 16-ketone-barringtogenol C-GlcA-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.7 |
| 507 | 14.8 | 1109.5906 | M+H | 1.34 | C57H88O21 | barrigenol R1-GlcA-Glc-Ara-2Ang | Unknown | Fr.7 |
| 508 | 14.8 | 1301.6532 | M+H | 0.56 | C64H100O27 | 16-ketone-barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-Rha-2Ang | Unknown | Fr.8 |
| 509 | 14.8 | 983.5218 | M+Na | 3.24 | C48H80O19 | barringtogenol C-Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc-2Glc; 16-deoxy-barringtogenol C-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc | Unknown | Fr.7 |
| 510 | 14.8 | 1145.5750 | M+Na | 3.08 | C54H90O24 | barringtogenol C-GlcA, Glc-Glc-Rha; 16-ketone-barringtogenol C-Glc, Glc-2Glc; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc; 16-ketone-barringtogenol C-Glc-2Glc, Glc; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc16-deoxy-barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.9 |
| 511 | 14.85 | 1332.6577 | M+NH4 | -0.43 | C64H98O28 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-Ang | Unknown | Fr.6 |
| 512 | 15 | 1151.5514 | M+H | 2.94 | C54H86O26 | barringtogenol C-Glc-Glc-Ara, Glc | Unknown | Fr.8 |
| 513 | 15.17 | 1125.5887 | M+H | 4.22 | C57H88O22 | barrigenol R1-Glc-Glc-Ara-2Ang | Unknown | Fr.6 |
| 514 | 15.17 | 1143.5995 | M+H | 4.30 | C57H90O23 | 16-ketone-barringtogenol C-GlcA-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.8 |
| 515 | 15.25 | 1153.5674 | M+H | 3.23 | C54H88O26 | barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.6 |
| 516 | 15.25 | 967.5266 | M+Na | 2.96 | C48H80O18 | barringtogenol C-Glc-Glc-Ara | Unknown | Fr.9 |
| 517 | 15.25 | 1129.5798 | M+Na | 2.94 | C54H90O23 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.5 |
| 518 | 15.25 | 1138.5956 | M+NH4 | -4.21 | C54H88O24 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc | Unknown | Fr.9 |
| 519 | 15.26 | 1467.6659 | M+Na | 3.05 | C66H108O34 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.9 |
| 520 | 15.31 | 1303.6713 | M+H | 2.41 | C64H102O27 | barrigenol R1-Glc, Glc-2Glc-2Ang; barrigenol R1-Glc-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-2Glc, Glc-2Ang | Unknown | Fr.6 |
| 521 | 15.35 | 1156.6063 | M+NH4 | -3.99 | C54H90O25 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc | Unknown | Fr.6 |
| 522 | 15.49 | 1501.6864 | M+Na | 2.82 | C70H110O33 | 16-ketone-barringtogenol C-GlcA-2Glc, Glc-2Glc | Unknown | Fr.9 |
| 523 | 15.49 | 1521.7076 | M+Na | -0.48 | C70H114O34 | 16-deoxy-barringtogenol C-Glc-Glc-Ara, Glc-Glc-Rha-Ang | Unknown | Fr.6 |
| 524 | 15.51 | 1135.5555 | M+H | 2.16 | C54H86O25 | 16-ketone-barringtogenol C-Glc-Glc-Rha-2Ang | Unknown | Fr.9 |
| 525 | 15.51 | 673.3948 | M+Na | 3.79 | C36H58O10 | 16-deoxy-barringtogenol C-2Ang | Unknown | Fr.5 |
| 526 | 15.51 | 691.4054 | M+Na | 3.78 | C36H60O11 | 16-ketone-barringtogenol C-GlcA | Unknown | Fr.9 |
| 527 | 15.51 | 835.4476 | M+Na | 3.03 | C42H68O15 | 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc; 16-ketone-barringtogenol C-Glc, Glc; 16-deoxy-barringtogenol C-GlcA-Glc; 16-deoxy-barringtogenol C-GlcA, Glc | Unknown | Fr.7 |
| 528 | 15.51 | 853.4579 | M+Na | 2.74 | C42H70O16 | 16-ketone-barringtogenol C-GlcA-2Ang | Unknown | Fr.9 |
| 529 | 15.51 | 985.4999 | M+Na | 2.10 | C47H78O20 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara | Unknown | Fr.6 |
| 530 | 15.51 | 1029.491 | M+Na | 3.18 | C48H78O22 | 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.5 |
| 531 | 15.51 | 1015.5111 | M+Na | 2.64 | C48H80O21 | 16-ketone-barringtogenol C-GlcA-Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.6 |
| 532 | 15.51 | 1001.5474 | M+Na | 2.94 | C52H82O17 | barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc, Glc-2Ang | Unknown | Fr.6 |
| 533 | 15.51 | 1145.5895 | M+Na | 2.44 | C58H90O21 | barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-Glc, Glc-2Ang | Unknown | Fr.7 |
| 534 | 15.51 | 1147.5970 | M+Na | -4.60 | C58H92O21 | barringtogenol C-GlcA-2Glc-2Ang; barringtogenol C-GlcA, Glc-Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.4 |
| 535 | 15.51 | 1163.6008 | M+Na | 3.08 | C58H92O22 | barrigenol R1-Glc, Glc-2Glc; barrigenol R1-Glc-Glc, Glc-Glc; barrigenol R1-Glc-2Glc, Glc | Unknown | Fr.9 |
| 536 | 15.51 | 1295.6426 | M+Na | 2.38 | C63H100O26 | 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc-Rha | Unknown | Fr.9 |
| 537 | 15.51 | 1519.6953 | M+Na | 1.71 | C70H112O34 | 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 538 | 15.51 | 1172.6051 | M+NH4 | -0.65 | C54H90O26 | barrigenol R1-GlcA-Glc-Ara, Glc | Unknown | Fr.9 |
| 539 | 15.51 | 1316.661 | M+NH4 | -1.79 | C64H98O27 | 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 540 | 15.51 | 1646.7854 | M+NH4 | 3.53 | C75H120O38 | 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.8 |
| 541 | 15.52 | 967.4893 | M+Na | 2.02 | C47H76O19 | 16-ketone-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.7 |
| 542 | 15.52 | 1191.5417 | M+Na | 1.03 | C54H88O27 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha | Unknown | Fr.6 |
| 543 | 15.57 | 1227.6147 | M+Na | 1.19 | C59H96O25 | barrigenol R1-GlcA, Glc-2Glc-Ang; barrigenol R1-GlcA-Glc, Glc-Glc-Ang; barrigenol R1-GlcA-2Glc, Glc-Ang | Unknown | Fr.7 |
| 544 | 15.61 | 1111.5271 | M+Na | -2.21 | C53H84O23 | barringtogenol C-GlcA-2Glc-Ang; barringtogenol C-GlcA, Glc-Glc-Ang; barringtogenol C-GlcA-Glc, Glc-Ang | Unknown | Fr.6 |
| 545 | 15.64 | 1287.6372 | M+H | 0.30 | C63H98O27 | barrigenol R1-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.7 |
| 546 | 15.77 | 1161.5834 | M+Na | 1.53 | C58H90O22 | barrigenol R1-Glc-Glc-Rha-2Ang; barringtogenol C-Glc-2Glc-2Ang; barringtogenol C-Glc-2Glc-2Ang; barringtogenol C-Glc, Glc-Glc-2Ang; barringtogenol C-Glc-Glc, Glc-2Ang | Unknown | Fr.8 |
| 547 | 15.8 | 1273.5820 | M+Na | -0.27 | C59H94O28 | barrigenol R1-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.9 |
| 548 | 15.81 | 1123.6006 | M+H | -3.70 | C58H90O21 | barrigenol R1-Glc, Glc-Glc-Rha; barringtogenol C-Glc, Glc-2Glc; barringtogenol C-Glc-Glc, Glc-Glc; barringtogenol C-Glc-2Glc, Glc | Unknown | Fr.6 |
| 549 | 15.81 | 1147.5996 | M+Na | -2.37 | C58H92O21 | barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-Glc, Glc-2Ang | Unknown | Fr.8 |
| 550 | 15.94 | 1318.6656 | M+NH4 | 1.43 | C60H100O30 | barringtogenol C-GlcA-Glc-Ara, Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.7 |
| 551 | 15.95 | 1257.5873 | M+Na | -0.15 | C59H94O27 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-Ang | Unknown | Fr.9 |
| 552 | 16.01 | 589.4105 | M+H | 1.09 | C35H56O7 | barrigenol R1-Ang | Identified | Fr.6 |
| 553 | 16.01 | 765.4423 | M+H | 0.38 | C41H64O13 | barringtogenol C-GlcA-Ang | Unknown | Fr.9 |
| 554 | 16.01 | 1027.5482 | M+H | 0.97 | C52H82O20 | 16-deoxy-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.7 |
| 555 | 16.01 | 1413.6525 | M+H | -0.56 | C65H104O33 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-Ang | Unknown | Fr.9 |
| 556 | 16.04 | 985.5535 | M+Na | 4.01 | C52H82O16 | barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc, Glc-2Ang | Unknown | Fr.5 |
| 557 | 16.06 | 1401.6304 | M+Na | 0.46 | C65H102O31 | barringtogenol C-GlcA-Glc, Glc-Glc-Rha-Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Glc-Ang; 16-ketone-barringtogenol C-Glc-2Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc-Glc-Ang | Unknown | Fr.9 |
| 558 | 16.13 | 1463.7073 | M+H | 1.35 | C70H110O32 | barrigenol R1-Glc-Glc-Ara, Glc-2Glc | Unknown | Fr.9 |
| 559 | 16.13 | 653.4424 | M+H | 1.93 | C40H60O7 | barrigenol R1-2Ang | Unknown | Fr.5 |
| 560 | 16.13 | 829.4748 | M+H | 1.84 | C46H68O13 | 16-ketone-barringtogenol C-GlcA-2Ang | Unknown | Fr.4 |
| 561 | 16.13 | 847.4852 | M+H | 1.58 | C46H70O14 | barringtogenol C-Glc-Glc; barringtogenol C-Glc-Glc; barringtogenol C-Glc, Glc | Unknown | Fr.7 |
| 562 | 16.13 | 817.5108 | M+H | 1.41 | C46H72O12 | barrigenol R1-GlcA-Glc; barrigenol R1-GlcA, Glc | Unknown | Fr.7 |
| 563 | 16.13 | 993.5434 | M+H | 1.67 | C52H80O18 | barrigenol R1-GlcA-Glc-Ara | Unknown | Fr.6 |
| 564 | 16.13 | 1139.5942 | M+H | -4.75 | C58H90O22 | barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-Glc, Glc-2Ang | Unknown | Fr.5 |
| 565 | 16.13 | 1155.5973 | M+H | 2.35 | C58H90O23 | barrigenol R1-Glc-Glc-Ara-2Ang | Identified | Fr.5 |
| 566 | 16.13 | 1001.5450 | M+Na | 0.56 | C52H82O17 | barrigenol R1-Glc-2Glc; barrigenol R1-Glc-2Glc; barrigenol R1-Glc, Glc-Glc; barrigenol R1-Glc-Glc, Glc | Unknown | Fr.7 |
| 567 | 16.13 | 1140.5978 | M+NH4 | 2.52 | C57H86O22 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-2Ang | Unknown | Fr.7 |
| 568 | 16.14 | 817.5100 | M+H | 0.44 | C46H72O12 | barrigenol R1-GlcA-Glc; barrigenol R1-GlcA, Glc | Unknown | Fr.8 |
| 569 | 16.14 | 1155.5959 | M+H | 1.19 | C58H90O23 | barringtogenol C-GlcA, Glc-Glc-Rha; 16-ketone-barringtogenol C-Glc, Glc-2Glc; 16-ketone-barringtogenol C-Glc-Glc, Glc-Glc; 16-ketone-barringtogenol C-Glc-2Glc, Glc; 16-deoxy-barringtogenol C-GlcA, Glc-2Glc; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-Glc; 16-deoxy-barringtogenol C-GlcA-2Glc, Glc | Identified | Fr.7 |
| 570 | 16.14 | 1285.6578 | M+H | 0.22 | C64H100O26 | barrigenol R1-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.7 |
| 571 | 16.14 | 1449.6946 | M+H | 3.40 | C69H108O32 | barrigenol R1-GlcA-Glc-Ara, Glc-2Glc | Unknown | Fr.9 |
| 572 | 16.15 | 571.4004 | M+H | 1.87 | C35H54O6 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.9 |
| 573 | 16.15 | 671.4519 | M+H | 0.23 | C40H62O8 | barringtogenol C-GlcA | Unknown | Fr.6 |
| 574 | 16.15 | 747.4324 | M+H | 1.30 | C41H62O12 | 16-ketone-barringtogenol C-Glc-Ang; 16-ketone-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Ang | Unknown | Fr.9 |
| 575 | 16.15 | 991.5276 | M+H | 1.57 | C52H78O18 | barringtogenol C-GlcA-Glc-2Ang; barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.9 |
| 576 | 16.15 | 1301.6550 | M+H | 1.97 | C64H100O27 | barringtogenol C-Glc, Glc-Glc-Rha-2Ang; 16-deoxy-barringtogenol C-Glc, Glc-2Glc-2Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-2Ang | Unknown | Fr.3 |
| 577 | 16.15 | 693.4357 | M+Na | 2.94 | C40H62O8 | barrigenol R1-GlcA | Unknown | Fr.6 |
| 578 | 16.15 | 869.4666 | M+Na | 0.89 | C46H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.1 |
| 579 | 16.16 | 977.5469 | M+H | 0.05 | C52H80O17 | barringtogenol C-GlcA-Glc-2Ang; barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.7 |
| 580 | 16.16 | 1271.6422 | M+H | 0.24 | C63H98O26 | barrigenol R1-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.6 |
| 581 | 16.17 | 1157.6045 | M+H | -4.95 | C58H92O23 | barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc-2Glc-2Ang; barrigenol R1-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-Glc, Glc-2Ang | Identified | Fr.6 |
| 582 | 16.17 | 869.4672 | M+Na | 1.66 | C46H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.5 |
| 583 | 16.19 | 1123.5721 | M+H | 3.38 | C57H86O22 | 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.9 |
| 584 | 16.20 | 1171.5914 | M+H | 1.67 | C58H90O24 | 16-ketone-barringtogenol C-GlcA, Glc-2Glc; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc; 16-ketone-barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.7 |
| 585 | 16.20 | 1076.5616 | M+NH4 | -1.82 | C52H82O22 | 16-ketone-barringtogenol C-GlcA-Glc-Ara-Ang | Unknown | Fr.7 |
| 586 | 16.21 | 815.4944 | M+H | 0.55 | C46H70O12 | barringtogenol C-GlcA-2Ang | Unknown | Fr.6 |
| 587 | 16.21 | 1153.5791 | M+H | 0.16 | C58H88O23 | barringtogenol C-GlcA-2Glc-2Ang; barringtogenol C-GlcA, Glc-Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.7 |
| 588 | 16.21 | 1141.5824 | M+H | 3.05 | C57H88O23 | barringtogenol C-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-2Glc, Glc | Identified | Fr.6 |
| 589 | 16.21 | 1163.5662 | M+Na | 4.56 | C57H88O23 | barringtogenol C-Glc-Glc-Ara, Glc | Unknown | Fr.6 |
| 590 | 16.23 | 571.3997 | M+H | 0.70 | C35H54O6 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.5 |
| 591 | 16.23 | 653.4415 | M+H | 0.44 | C40H60O7 | barrigenol R1-2Ang | Unknown | Fr.7 |
| 592 | 16.23 | 671.4519 | M+H | 0.23 | C40H62O8 | barringtogenol C-GlcA | Unknown | Fr.8 |
| 593 | 16.23 | 747.4315 | M+H | 0.08 | C41H62O12 | 16-deoxy-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Ang | Identified | Fr.8 |
| 594 | 16.23 | 829.4737 | M+H | 0.51 | C46H68O13 | 16-ketone-barringtogenol C-GlcA-2Ang | Unknown | Fr.5 |
| 595 | 16.23 | 847.4840 | M+H | 0.21 | C46H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.3 |
| 596 | 16.23 | 909.4845 | M+H | 0.29 | C47H72O17 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.8 |
| 597 | 16.23 | 991.5266 | M+H | 0.46 | C52H78O18 | 16-ketone-barringtogenol C-GlcA-Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-2Ang | Unknown | Fr.7 |
| 598 | 16.23 | 1009.5372 | M+H | 0.51 | C52H80O19 | barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc, Glc-2Ang | Unknown | Fr.7 |
| 599 | 16.23 | 1041.5270 | M+H | 0.47 | C52H80O21 | barrigenol R1-GlcA-Glc-2Ang; barrigenol R1-GlcA, Glc-2Ang | Unknown | Fr.6 |
| 600 | 16.23 | 1071.5378 | M+H | 0.74 | C53H82O22 | 16-deoxy-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.9 |
| 601 | 16.23 | 1331.6154 | M+H | 2.97 | C60H98O32 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-2Ang | Unknown | Fr.7 |
| 602 | 16.23 | 1303.6318 | M+H | 0.07 | C63H98O28 | barringtogenol C-GlcA-Glc-Ara, Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara, Glc-2Ang | Unknown | Fr.7 |
| 603 | 16.24 | 833.5052 | M+H | 0.81 | C46H72O13 | barrigenol R1-GlcA-Glc; barrigenol R1-GlcA, Glc | Unknown | Fr.3 |
| 604 | 16.33 | 705.3849 | M+Na | 4.02 | C36H58O12 | 16-ketone-barringtogenol C-2Ang | Unknown | Fr.9 |
| 605 | 16.39 | 749.4493 | M+H | 2.98 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.5 |
| 606 | 16.39 | 831.4916 | M+H | 3.20 | C46H70O13 | barrigenol R1-Glc-2Ang; barrigenol R1-Glc-2Ang | Unknown | Fr.7 |
| 607 | 16.39 | 801.5174 | M+H | 3.31 | C46H72O11 | barrigenol R1-GlcA-Glc; barrigenol R1-GlcA, Glc | Unknown | Fr.9 |
| 608 | 16.39 | 995.5606 | M+H | 3.23 | C52H82O18 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara-Ang | Unknown | Fr.8 |
| 609 | 16.43 | 1139.6034 | M+H | 3.29 | C58H90O22 | barrigenol R1-Glc-Glc-Ara, Glc | Unknown | Fr.7 |
| 610 | 16.45 | 1171.5911 | M+H | 1.35 | C58H90O24 | 16-ketone-barringtogenol C-GlcA, Glc-2Glc; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc; 16-ketone-barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.8 |
| 611 | 16.46 | 1073.5541 | M+H | 1.28 | C53H84O22 | barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.7 |
| 612 | 16.47 | 815.4958 | M+H | 2.19 | C46H70O12 | barringtogenol C-GlcA-2Ang | Unknown | Fr.7 |
| 613 | 16.47 | 1071.5352 | M+H | -1.77 | C53H82O22 | barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.9 |
| 614 | 16.48 | 571.4000 | M+H | 1.13 | C35H54O6 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.6 |
| 615 | 16.48 | 653.4419 | M+H | 1.09 | C40H60O7 | barrigenol R1-2Ang | Unknown | Fr.9 |
| 616 | 16.48 | 671.4521 | M+H | 0.50 | C40H62O8 | barrigenol R1-Glc; barrigenol R1-Glc | Identified | Fr.9 |
| 617 | 16.48 | 747.4320 | M+H | 0.81 | C41H62O12 | 16-deoxy-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Ang | Unknown | Fr.6 |
| 618 | 16.48 | 829.4741 | M+H | 0.95 | C46H68O13 | 16-ketone-barringtogenol C-GlcA-2Ang | Unknown | Fr.8 |
| 619 | 16.48 | 847.4844 | M+H | 0.72 | C46H70O14 | barringtogenol C-Glc-Glc; barringtogenol C-Glc-Glc; barringtogenol C-Glc, Glc | Unknown | Fr.9 |
| 620 | 16.48 | 909.4851 | M+H | 0.96 | C47H72O17 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.6 |
| 621 | 16.48 | 991.5275 | M+H | 1.39 | C52H78O18 | barrigenol R1-Glc-2Glc; barrigenol R1-Glc-2Glc; barrigenol R1-Glc, Glc-Glc; barrigenol R1-Glc-Glc, Glc | Unknown | Fr.9 |
| 622 | 16.48 | 1009.5380 | M+H | 1.35 | C52H80O19 | barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc-Glc-2Ang; barringtogenol C-Glc, Glc-2Ang | Unknown | Fr.6 |
| 623 | 16.48 | 573.4155 | M+H | 0.87 | C35H56O6 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.8 |
| 624 | 16.48 | 993.5427 | M+H | 0.93 | C52H80O18 | 16-ketone-barringtogenol C-Glc-2Glc; 16-ketone-barringtogenol C-Glc-2Glc; 16-ketone-barringtogenol C-Glc, Glc-Glc; 16-ketone-barringtogenol C-Glc-Glc, Glc; 16-deoxy-barringtogenol C-GlcA-2Glc; 16-deoxy-barringtogenol C-GlcA, Glc-Glc; 16-deoxy-barringtogenol C-GlcA-Glc, Glc | Unknown | Fr.6 |
| 625 | 16.48 | 1078.5775 | M+NH4 | -1.61 | C52H84O22 | barringtogenol C-Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Ang | Unknown | Fr.6 |
| 626 | 16.49 | 655.4572 | M+H | 0.49 | C40H62O7 | barrigenol R1-GlcA | Identified | Fr.7 |
| 627 | 16.49 | 749.4470 | M+H | -0.12 | C41H64O12 | 16-deoxy-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Ang | Unknown | Fr.7 |
| 628 | 16.49 | 831.4891 | M+H | 0.26 | C46H70O13 | barrigenol R1-Glc-2Ang; barrigenol R1-Glc-2Ang | Unknown | Fr.9 |
| 629 | 16.49 | 911.5001 | M+H | 0.20 | C47H74O17 | 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.5 |
| 630 | 16.49 | 1043.5424 | M+H | 0.21 | C52H82O21 | barrigenol R1-GlcA-2Glc; barrigenol R1-GlcA, Glc-Glc; barrigenol R1-GlcA-Glc, Glc | Unknown | Fr.6 |
| 631 | 16.49 | 1305.6487 | M+H | 0.99 | C63H100O28 | barrigenol R1-Glc-Glc, Glc-Glc-Rha; barringtogenol C-Glc-Glc, Glc-2Glc; barringtogenol C-Glc-2Glc, Glc-Glc | Unknown | Fr.9 |
| 632 | 16.51 | 735.4686 | M+H | 1.06 | C41H66O11 | barringtogenol C-GlcA-Ang | Unknown | Fr.4 |
| 633 | 16.74 | 573.4168 | M+H | 3.21 | C35H56O6 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.3 |
| 634 | 16.74 | 655.4587 | M+H | 2.82 | C40H62O7 | barrigenol R1-Glc; barrigenol R1-Glc | Unknown | Fr.1 |
| 635 | 16.74 | 749.4489 | M+H | 2.49 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.9 |
| 636 | 16.74 | 831.4911 | M+H | 2.61 | C46H70O13 | barrigenol R1-Glc-2Ang; barrigenol R1-Glc-2Ang | Unknown | Fr.8 |
| 637 | 16.74 | 911.5024 | M+H | 2.81 | C47H74O17 | 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Ang | Unknown | Fr.2 |
| 638 | 16.79 | 1137.573 | M+H | 3.74 | C54H88O25 | barringtogenol C-Glc-Glc-Ara-2Ang | Unknown | Fr.8 |
| 639 | 17.07 | 1320.6407 | M+NH4 | -1.73 | C59H98O31 | 16-ketone-barringtogenol C-GlcA-Glc-Ara, Glc-2Ang | Unknown | Fr.8 |
| 640\* | 17.22 | 1141.5801 | M+H | 1.01 | C57H88O23 | barrigenol R1-GlcA-Glc-Ara-2Ang | Identified | Fr.6 |
| 641 | 17.25 | 1463.6571 | M+H | 2.35 | C65H106O36 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Glc-2Ang | Unknown | Fr.9 |
| 642 | 17.47 | 1143.5991 | M+H | 3.98 | C57H90O23 | 16-ketone-barringtogenol C-GlcA-2Glc-2Ang; 16-ketone-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-ketone-barringtogenol C-GlcA-Glc, Glc-2Ang | Unknown | Fr.9 |
| 643 | 17.47 | 1067.5448 | M+Na | 4.75 | C52H84O21 | barringtogenol C-Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc, Glc-Glc-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Ang | Unknown | Fr.9 |
| 644 | 17.68 | 1316.6667 | M+NH4 | 2.57 | C64H98O27 | barringtogenol C-Glc-Glc, Glc-Glc-Rha-Ang; 16-deoxy-barringtogenol C-Glc-Glc, Glc-2Glc-Ang; 16-deoxy-barringtogenol C-Glc-2Glc, Glc-Glc-Ang | Unknown | Fr.9 |
| 645 | 17.80 | 1147.5675 | M+Na | 1.35 | C57H88O22 | barrigenol R1-Glc-Glc-Ara-2Ang | Unknown | Fr.7 |
| 646 | 17.81 | 993.5435 | M+H | 1.79 | C52H80O18 | barrigenol R1-Glc-Glc-Rha; barringtogenol C-Glc-2Glc; barringtogenol C-Glc-2Glc; barringtogenol C-Glc, Glc-Glc; barringtogenol C-Glc-Glc, Glc | Unknown | Fr.7 |
| 647 | 17.81 | 1125.5862 | M+H | 1.94 | C57H88O22 | barrigenol R1-Glc-Glc-Ara-2Ang | Unknown | Fr.9 |
| 648 | 17.83 | 1163.5413 | M+Na | -3.73 | C53H88O26 | barringtogenol C-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-2Glc, Glc | Unknown | Fr.10 |
| 649 | 17.85 | 1163.5398 | M+Na | -4.99 | C53H88O26 | barringtogenol C-Glc, Glc-Glc-Rha; 16-deoxy-barringtogenol C-Glc, Glc-2Glc; 16-deoxy-barringtogenol C-Glc-Glc, Glc-Glc; 16-deoxy-barringtogenol C-Glc-2Glc, Glc | Unknown | Fr.9 |
| 650 | 17.88 | 1051.5492 | M+Na | 4.16 | C52H84O20 | barringtogenol C-GlcA-Glc-Ara-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ara-Ang | Unknown | Fr.9 |
| 651 | 18.05 | 993.5462 | M+H | 4.49 | C52H80O18 | barrigenol R1-Glc-Glc-Ara | Unknown | Fr.8 |
| 652 | 18.06 | 557.4221 | M+H | 3.71 | C35H56O5 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.3 |
| 653 | 18.06 | 733.4546 | M+H | 3.34 | C41H64O11 | barringtogenol C-Glc-Ang; barringtogenol C-Glc-Ang | Unknown | Fr.8 |
| 654 | 18.06 | 895.5081 | M+H | 3.46 | C47H74O16 | 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc-Glc-Ang; 16-ketone-barringtogenol C-Glc, Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Glc-Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.8 |
| 655 | 18.06 | 1127.6035 | M+H | 3.43 | C57H90O22 | 16-ketone-barringtogenol C-GlcA, Glc-2Glc; 16-ketone-barringtogenol C-GlcA-Glc, Glc-Glc; 16-ketone-barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.9 |
| 656 | 18.08 | 639.4639 | M+H | 3.05 | C40H62O6 | 16-ketone-barringtogenol C-Glc; 16-ketone-barringtogenol C-Glc; 16-deoxy-barringtogenol C-GlcA | Unknown | Fr.7 |
| 657 | 18.08 | 1127.6040 | M+H | 3.86 | C57H90O22 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha | Unknown | Fr.7 |
| 658 | 18.19 | 686.4440 | M+NH4 | -4.89 | C36H60O11 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.5 |
| 659 | 18.19 | 672.4836 | M+NH4 | 0.30 | C40H62O7 | barrigenol R1-2Ang | Unknown | Fr.1 |
| 660 | 18.20 | 571.4014 | M+H | 3.58 | C35H54O6 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.7 |
| 661 | 18.20 | 653.4434 | M+H | 3.43 | C40H60O7 | barringtogenol C-2Ang | Unknown | Fr.1 |
| 662 | 18.20 | 747.4339 | M+H | 3.34 | C41H62O12 | 16-ketone-barringtogenol C-Glc-Ang; 16-ketone-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Ang | Unknown | Fr.7 |
| 663 | 18.20 | 829.4760 | M+H | 3.23 | C46H68O13 | barrigenol R1-Glc-Glc; barrigenol R1-Glc-Glc; barrigenol R1-Glc, Glc | Unknown | Fr.9 |
| 664 | 18.20 | 847.4866 | M+H | 3.31 | C46H70O14 | 16-ketone-barringtogenol C-Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Ang | Unknown | Fr.1 |
| 665 | 18.43 | 1012.5878 | M+NH4 | 3.78 | C52H82O18 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara-Ang | Unknown | Fr.5 |
| 666 | 18.49 | 773.4481 | M+Na | 4.49 | C41H66O12 | barrigenol R1-GlcA-Ang | Unknown | Fr.7 |
| 667 | 18.49 | 855.4895 | M+Na | 3.50 | C46H72O13 | barrigenol R1-GlcA-2Ang | Unknown | Fr.3 |
| 668 | 18.49 | 935.5016 | M+Na | 4.40 | C47H76O17 | 16-deoxy-barringtogenol C-Glc-Glc-Rha | Unknown | Fr.8 |
| 669 | 18.49 | 1017.5435 | M+Na | 4.05 | C52H82O18 | 16-deoxy-barringtogenol C-Glc-Glc-Rha-Ang | Unknown | Fr.8 |
| 670 | 18.71 | 847.4869 | M+H | 3.67 | C46H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.4 |
| 671 | 18.72 | 747.4348 | M+H | 4.49 | C41H62O12 | 16-ketone-barringtogenol C-Glc-Ang; 16-ketone-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Ang | Unknown | Fr.5 |
| 672 | 18.72 | 747.4342 | M+H | 3.75 | C41H62O12 | 16-ketone-barringtogenol C-Glc-Ang; 16-ketone-barringtogenol C-Glc-Ang; 16-deoxy-barringtogenol C-GlcA-Ang | Unknown | Fr.8 |
| 673 | 18.72 | 869.4689 | M+Na | 3.56 | C46H70O14 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.3 |
| 674 | 18.99 | 1155.5983 | M+H | 3.20 | C58H90O23 | 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc-2Glc-2Ang; 16-ketone-barringtogenol C-Glc, Glc-Glc-2Ang; 16-ketone-barringtogenol C-Glc-Glc, Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-2Glc-2Ang; 16-deoxy-barringtogenol C-GlcA, Glc-Glc-2Ang; 16-deoxy-barringtogenol C-GlcA-Glc, Glc-2Ang | Identified | Fr.6 |
| 675 | 18.99 | 1157.6047 | M+H | -4.74 | C58H92O23 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.9 |
| 676 | 19.42 | 977.5507 | M+H | 3.92 | C52H80O17 | barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc-Glc-2Ang; barrigenol R1-Glc, Glc-2Ang | Unknown | Fr.9 |
| 677 | 19.42 | 1131.5756 | M+Na | 4.00 | C57H88O21 | barringtogenol C-Glc-Glc-Ara, Glc | Unknown | Fr.9 |
| 678 | 19.44 | 639.4646 | M+H | 4.19 | C40H62O6 | 16-ketone-barringtogenol C-Glc; 16-ketone-barringtogenol C-Glc; 16-deoxy-barringtogenol C-GlcA | Unknown | Fr.6 |
| 679 | 21.85 | 589.4119 | M+H | 3.37 | C35H56O7 | barrigenol R1-Ang | Identified | Fr.1 |
| 680 | 22.09 | 670.4527 | M+NH4 | 0.34 | C36H60O10 | barringtogenol C-2Ang | Unknown | Fr.9 |
| 681 | 22.11 | 1149.5809 | M+Na | -0.58 | C57H90O22 | barrigenol R1-GlcA, Glc-Glc-Rha; barringtogenol C-GlcA, Glc-2Glc; barringtogenol C-GlcA-Glc, Glc-Glc; barringtogenol C-GlcA-2Glc, Glc | Unknown | Fr.9 |
| 682 | 22.11 | 1131.6028 | M+Na | -4.10 | C58H92O20 | barrigenol R1-Glc, Glc-2Glc; barrigenol R1-Glc-Glc, Glc-Glc; barrigenol R1-Glc-2Glc, Glc | Unknown | Fr.7 |
| 683 | 22.11 | 670.4503 | M+NH4 | -3.21 | C36H60O10 | 16-ketone-barringtogenol C-2Ang | Unknown | Fr.4 |
| 684 | 22.12 | 670.4526 | M+NH4 | 0.16 | C36H60O10 | barringtogenol C-2Ang | Unknown | Fr.6 |
| 685 | 22.12 | 670.4531 | M+NH4 | 0.89 | C36H60O10 | barringtogenol C-2Ang | Unknown | Fr.5 |
| 686 | 22.36 | 573.4163 | M+H | 2.25 | C35H56O6 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.1 |
| 687 | 22.38 | 670.4534 | M+NH4 | 1.34 | C36H60O10 | barringtogenol C-2Ang | Unknown | Fr.7 |
| 688 | 22.47 | 571.4019 | M+H | 4.54 | C35H54O6 | 16-ketone-barringtogenol C-Ang | Unknown | Fr.8 |
| 689 | 22.48 | 589.4109 | M+H | 1.71 | C35H56O7 | barrigenol R1-Ang | Unknown | Fr.3 |
| 690 | 22.52 | 668.4373 | M+NH4 | 0.74 | C36H58O10 | 16-deoxy-barringtogenol C-Glc; 16-deoxy-barringtogenol C-Glc | Unknown | Fr.3 |
| 691 | 22.57 | 686.4481 | M+NH4 | 1.06 | C36H60O11 | 16-ketone-barringtogenol C-GlcA | Unknown | Fr.6 |
| 692 | 22.75 | 928.5298 | M+NH4 | 3.61 | C47H74O17 | 16-ketone-barringtogenol C-GlcA-Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.9 |
| 693 | 22.81 | 574.4472 | M+NH4 | 1.05 | C35H56O5 | barringtogenol C-Ang | Unknown | Fr.9 |
| 694 | 22.84 | 928.5300 | M+NH4 | 3.88 | C47H74O17 | 16-ketone-barringtogenol C-GlcA-Glc-Ang; 16-ketone-barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.5 |
| 695 | 22.87 | 827.4402 | M+H | -2.55 | C42H66O16 | 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc-Glc; 16-deoxy-barringtogenol C-Glc, Glc | Unknown | Fr.9 |
| 696 | 22.94 | 574.4483 | M+NH4 | 2.97 | C35H56O5 | barringtogenol C-Ang | Unknown | Fr.8 |
| 697 | 22.96 | 574.4468 | M+NH4 | 0.31 | C35H56O5 | barringtogenol C-Ang | Unknown | Fr.6 |
| 698 | 22.98 | 574.4495 | M+NH4 | 4.98 | C35H56O5 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.2 |
| 699 | 23.03 | 574.4474 | M+NH4 | 1.48 | C35H56O5 | barringtogenol C-Ang | Unknown | Fr.5 |
| 700 | 23.17 | 574.4470 | M+NH4 | 0.73 | C35H56O5 | barringtogenol C-Ang | Unknown | Fr.1 |
| 701 | 23.33 | 571.3993 | M+H | -0.05 | C35H54O6 | 16-deoxy-barringtogenol C-Ang | Unknown | Fr.6 |
| 702 | 23.33 | 688.4781 | M+NH4 | -0.20 | C40H62O8 | barrigenol R1-2Ang | Unknown | Fr.7 |
| 703 | 24.07 | 944.5228 | M+NH4 | 1.51 | C47H74O18 | barringtogenol C-GlcA-Glc-Ang; barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.9 |
| 704 | 24.43 | 898.5508 | M+NH4 | -1.63 | C47H76O15 | barringtogenol C-GlcA-Glc-Ang; barringtogenol C-GlcA, Glc-Ang | Unknown | Fr.1 |
| 705 | 24.45 | 930.5461 | M+NH4 | 4.30 | C47H76O17 | barrigenol R1-GlcA-Glc-Ang; barrigenol R1-GlcA, Glc-Ang | Unknown | Fr.1 |
| 706 | 24.46 | 898.5496 | M+NH4 | -2.93 | C47H76O15 | barrigenol R1-GlcA-Glc-Ang; barrigenol R1-GlcA, Glc-Ang | Unknown | Fr.7 |
| 707 | 24.46 | 930.5438 | M+NH4 | 1.87 | C47H76O17 | barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc, Glc-Ang | Unknown | Fr.7 |
| 708 | 24.55 | 930.5454 | M+NH4 | 3.58 | C47H76O17 | barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc-Glc-Ang; barrigenol R1-Glc, Glc-Ang | Unknown | Fr.5 |
| 709 | 24.93 | 976.5465 | M+NH4 | -1.08 | C48H78O19 | barrigenol R1-Glc-Glc-Rha; barringtogenol C-Glc-2Glc; barringtogenol C-Glc-2Glc; barringtogenol C-Glc, Glc-Glc; barringtogenol C-Glc-Glc, Glc | Unknown | Fr.8 |
| 710 | 25.02 | 1531.7124 | M+H | -2.52 | C70H114O36 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-Rha-Ang; barringtogenol C-Glc-Glc-Ara, Glc-2Glc-Ang | Unknown | Fr.3 |
| 711 | 25.04 | 1531.7181 | M+H | 1.23 | C70H114O36 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-Rha-Ang; barringtogenol C-Glc-Glc-Ara, Glc-2Glc-Ang | Unknown | Fr.1 |
| 712 | 25.04 | 1531.7170 | M+H | 0.51 | C70H114O36 | barrigenol R1-Glc-Glc-Ara, Glc-Glc-Rha-Ang; barringtogenol C-Glc-Glc-Ara, Glc-2Glc-Ang | Unknown | Fr.2 |
| 713 | 25.05 | 1172.6208 | M+NH4 | -0.22 | C58H90O23 | barrigenol R1-GlcA-Glc-Ara-2Ang | Unknown | Fr.8 |
| 714 | 25.05 | 1172.6223 | M+NH4 | 1.03 | C58H90O23 | barrigenol R1-Glc-Glc-Rha-2Ang; barringtogenol C-Glc-2Glc-2Ang; barringtogenol C-Glc-2Glc-2Ang; barringtogenol C-Glc, Glc-Glc-2Ang; barringtogenol C-Glc-Glc, Glc-2Ang | Unknown | Fr.6 |
| 715 | 25.05 | 1174.6392 | M+NH4 | 2.04 | C58H92O23 | 16-deoxy-barringtogenol C-GlcA-Glc-Ara, Glc-Ang | Unknown | Fr.6 |
| 716 | 25.08 | 1174.6401 | M+NH4 | 2.87 | C58H92O23 | 16-deoxy-barringtogenol C-Glc, Glc-Glc-Rha-Ang | Unknown | Fr.6 |
| 717 | 25.13 | 862.4802 | M+NH4 | 0.79 | C42H68O17 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.9 |
| 718 | 25.13 | 766.4719 | M+NH4 | -2.19 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.8 |
| 719 | 25.14 | 768.4897 | M+NH4 | 0.65 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.5 |
| 720 | 25.15 | 817.5128 | M+H | 3.80 | C46H72O12 | barrigenol R1-GlcA-2Ang | Unknown | Fr.8 |
| 721 | 25.15 | 817.5126 | M+H | 3.65 | C46H72O12 | barrigenol R1-GlcA-2Ang | Unknown | Fr.5 |
| 722 | 25.15 | 817.5131 | M+H | 4.17 | C46H72O12 | barrigenol R1-GlcA-2Ang | Unknown | Fr.4 |
| 723 | 25.15 | 837.4800 | M+Na | 4.81 | C46H70O12 | barringtogenol C-Glc-Glc; barringtogenol C-Glc-Glc; barringtogenol C-Glc, Glc | Unknown | Fr.3 |
| 724 | 25.15 | 839.4949 | M+Na | 3.90 | C46H72O12 | barrigenol R1-Glc-Glc; barrigenol R1-Glc-Glc; barrigenol R1-Glc, Glc | Unknown | Fr.6 |
| 725 | 25.15 | 839.4955 | M+Na | 4.63 | C46H72O12 | barrigenol R1-Glc-2Ang; barrigenol R1-Glc-2Ang | Unknown | Fr.8 |
| 726 | 25.15 | 839.4948 | M+Na | 3.83 | C46H72O12 | barringtogenol C-GlcA-Glc; barringtogenol C-GlcA, Glc | Unknown | Fr.6 |
| 727 | 25.15 | 839.4951 | M+Na | 4.19 | C46H72O12 | barrigenol R1-Glc-2Ang; barrigenol R1-Glc-2Ang | Unknown | Fr.7 |
| 728 | 25.15 | 782.4722 | M+NH4 | 4.74 | C41H64O13 | barrigenol R1-GlcA-Ang | Unknown | Fr.9 |
| 729 | 25.15 | 768.4865 | M+NH4 | -3.64 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.4 |
| 730 | 25.15 | 862.4804 | M+NH4 | 1.08 | C42H68O17 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.2 |
| 731 | 25.15 | 862.4816 | M+NH4 | 2.42 | C42H68O17 | barringtogenol C-Glc-2Ang; barringtogenol C-Glc-2Ang | Unknown | Fr.4 |
| 732 | 25.15 | 766.4730 | M+NH4 | -0.83 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.1 |
| 733 | 25.15 | 766.4729 | M+NH4 | -0.91 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.3 |
| 734 | 25.15 | 768.4886 | M+NH4 | -0.86 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.10 |
| 735 | 25.15 | 766.4730 | M+NH4 | -0.83 | C41H64O12 | barringtogenol C-GlcA-Ang | Unknown | Fr.6 |
| 736 | 25.15 | 768.4894 | M+NH4 | 0.25 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.6 |
| 737 | 25.15 | 768.4889 | M+NH4 | -0.47 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.8 |
| 738 | 25.16 | 817.5120 | M+H | 2.90 | C46H72O12 | barrigenol R1-GlcA-2Ang | Unknown | Fr.9 |
| 739 | 25.16 | 766.4722 | M+NH4 | -1.87 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.4 |
| 740 | 25.17 | 817.5127 | M+H | 3.73 | C46H72O12 | barrigenol R1-GlcA-2Ang | Unknown | Fr.7 |
| 741 | 25.17 | 766.4711 | M+NH4 | -3.30 | C41H64O12 | 16-ketone-barringtogenol C-GlcA-Ang | Unknown | Fr.7 |
| 742 | 25.18 | 834.5397 | M+NH4 | 4.16 | C46H72O12 | barrigenol R1-GlcA-2Ang | Unknown | Fr.3 |
| 743 | 25.19 | 768.4879 | M+NH4 | -1.74 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.9 |
| 744 | 25.19 | 768.4893 | M+NH4 | 0.01 | C41H66O12 | barrigenol R1-Glc-Ang; barrigenol R1-Glc-Ang | Unknown | Fr.7 |
| 745 | 25.2 | 832.5015 | M+NH4 | -4.61 | C42H70O15 | 16-ketone-barringtogenol C-GlcA-Glc; 16-ketone-barringtogenol C-GlcA, Glc | Unknown | Fr.9 |
| 746 | 25.21 | 837.4785 | M+Na | 3.06 | C46H70O12 | barringtogenol C-Glc-Glc; barringtogenol C-Glc-Glc; barringtogenol C-Glc, Glc | Unknown | Fr.1 |
| 747 | 25.3 | 1309.6545 | M+Na | -0.47 | C64H102O26 | barrigenol R1-Glc, Glc-2Glc-2Ang; barrigenol R1-Glc-Glc, Glc-Glc-2Ang; barrigenol R1-Glc-2Glc, Glc-2Ang | Unknown | Fr.9 |
| 748 | 25.3 | 1309.6499 | M+Na | -4.01 | C64H102O26 | barrigenol R1-GlcA, Glc-Glc-Rha-2Ang; barringtogenol C-GlcA, Glc-2Glc-2Ang; barringtogenol C-GlcA-Glc, Glc-Glc-2Ang; barringtogenol C-GlcA-2Glc, Glc-2Ang | Unknown | Fr.8 |
| 749 | 25.3 | 1293.6582 | M+Na | -1.57 | C64H102O25 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-2Ang | Unknown | Fr.6 |
| 750 | 25.3 | 1293.6593 | M+Na | -0.73 | C64H102O25 | 16-ketone-barringtogenol C-GlcA, Glc-Glc-Rha-2Ang | Unknown | Fr.5 |
| 751 | 25.31 | 1309.6505 | M+Na | -3.54 | C64H102O26 | barrigenol R1-Glc-Glc, Glc-Glc-Rha; barringtogenol C-Glc-Glc, Glc-2Glc; barringtogenol C-Glc-2Glc, Glc-Glc | Unknown | Fr.6 |
| 752 | 25.37 | 832.5066 | M+NH4 | 1.55 | C42H70O15 | 16-ketone-barringtogenol C-GlcA-Glc; 16-ketone-barringtogenol C-GlcA, Glc | Unknown | Fr.7 |

The barrigenol type triterpenoids in "Indentified Components" item in TraceFinder was specified as " Indentified"; the barrigenol type triterpenoids "Unknown Components" item in TraceFinder was specified as " Unknown ", MS1 mass error: 20 ppm, MS/MS mass error: 0.1 Da.

\*the barrigenol type triterpenoids unmbigously identified with reference standard comparison