

Figure S1. Contents of major free polyamines (PA), namely putrescine (PUT), spermidine (SPD), and spermine (SPM), and the degradation product 1,3-diaminopropane (DAP) in control and cold-hardened (H) young *Rht* wheat genotypes. Error bars indicate standard deviations. *, **, *** represent significant differences between control and cold-hardened plants at the $p < 0.05$, 0.01 and 0.001 levels, respectively.

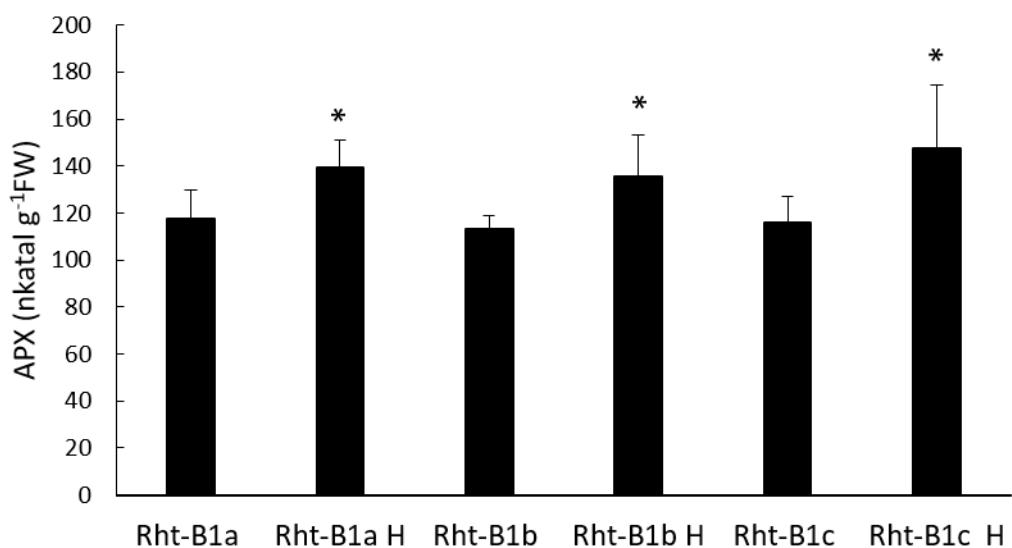


Figure S2. Activity of the ascorbate peroxidase enzyme in control and cold-hardened (H) young *Rht* wheat genotypes. Error bars indicate standard deviations. *, **, *** represent significant differences between control and cold-hardened plants at the p < 0.05, 0.01 and 0.001 levels, respectively.

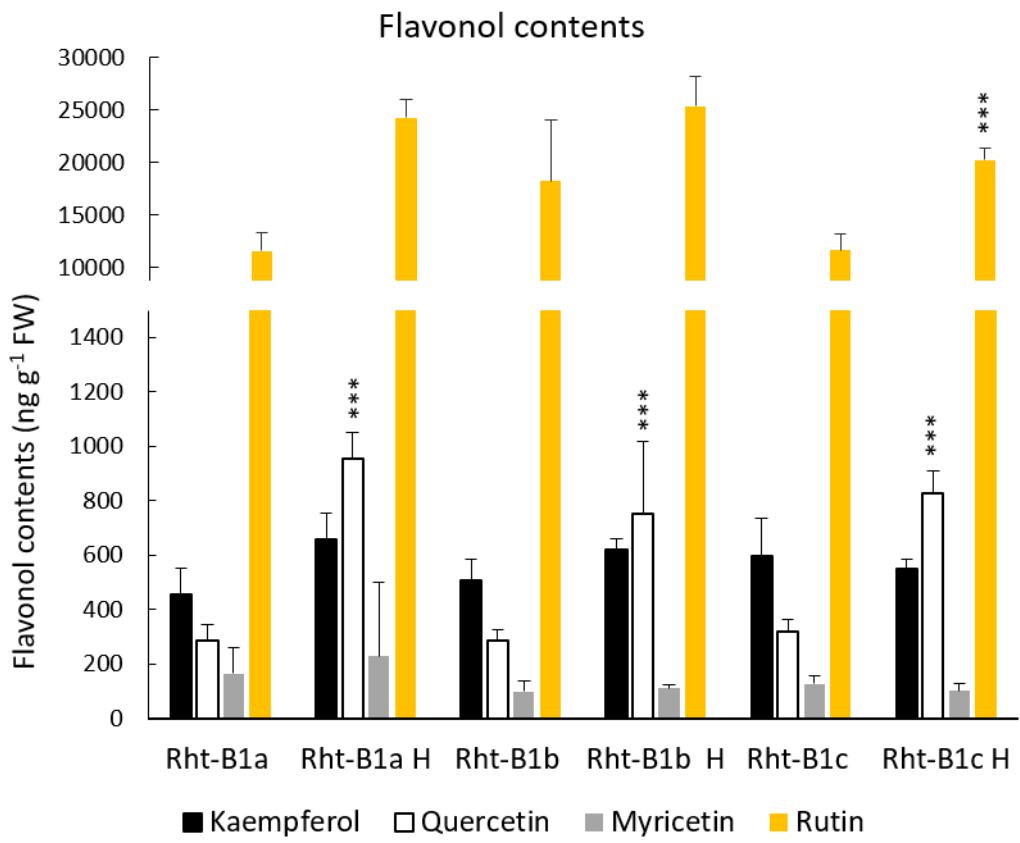


Figure S3. Contents of selected flavonols, namely kaempferol, quercetin, myricetin and rutin in control and cold-hardened (H) young *Rht* wheat genotypes. Error bars indicate standard deviations. *, **, *** represent significant differences between control and cold-hardened plants at the $p < 0.05$, 0.01, and 0.001 levels, respectively.

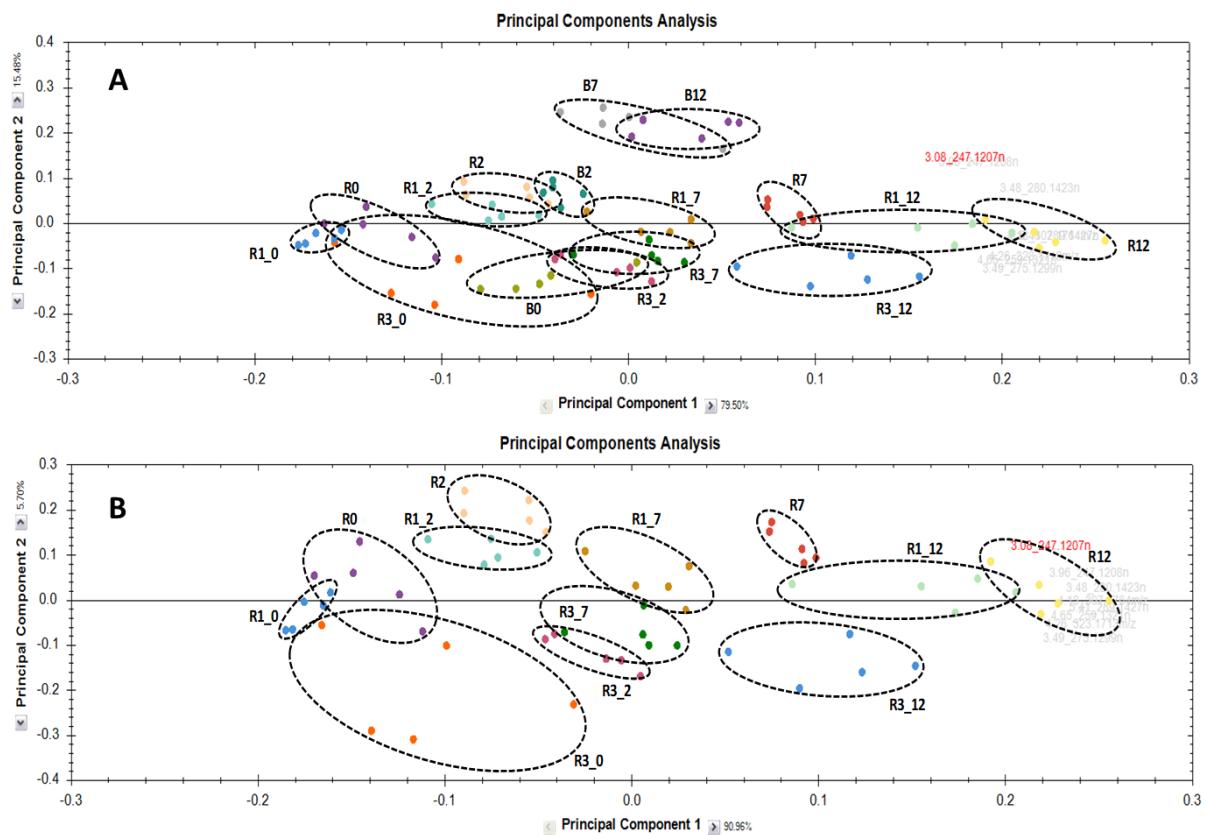


Figure S4. Principal component analysis (PCA) for eight polyamine derivatives (detectable in positive ion mode only) including (A) or without (B) the Mv Béres genotype. Legend: R0: *Rht-B1a* day 0; R2: *Rht-B1a* day 2; R7: *Rht-B1a* day 7; R12: *Rht-B1a* day 12; R1_0: *Rht-B1b* day 0; R1_2: *Rht-B1b* day 2; R1_7: *Rht-B1b* day 7; R1_12: *Rht-B1b* day 12; R3_0: *Rht-B1c* day 0; R3_2: *Rht-B1c* day 2; R3_7: *Rht-B1c* day 7; R3_12: *Rht-B1c* day 12; B0: Mv Béres day 0; B2: Mv Béres day 2; B7: Mv Béres day 7; B12: Mv Béres day 12

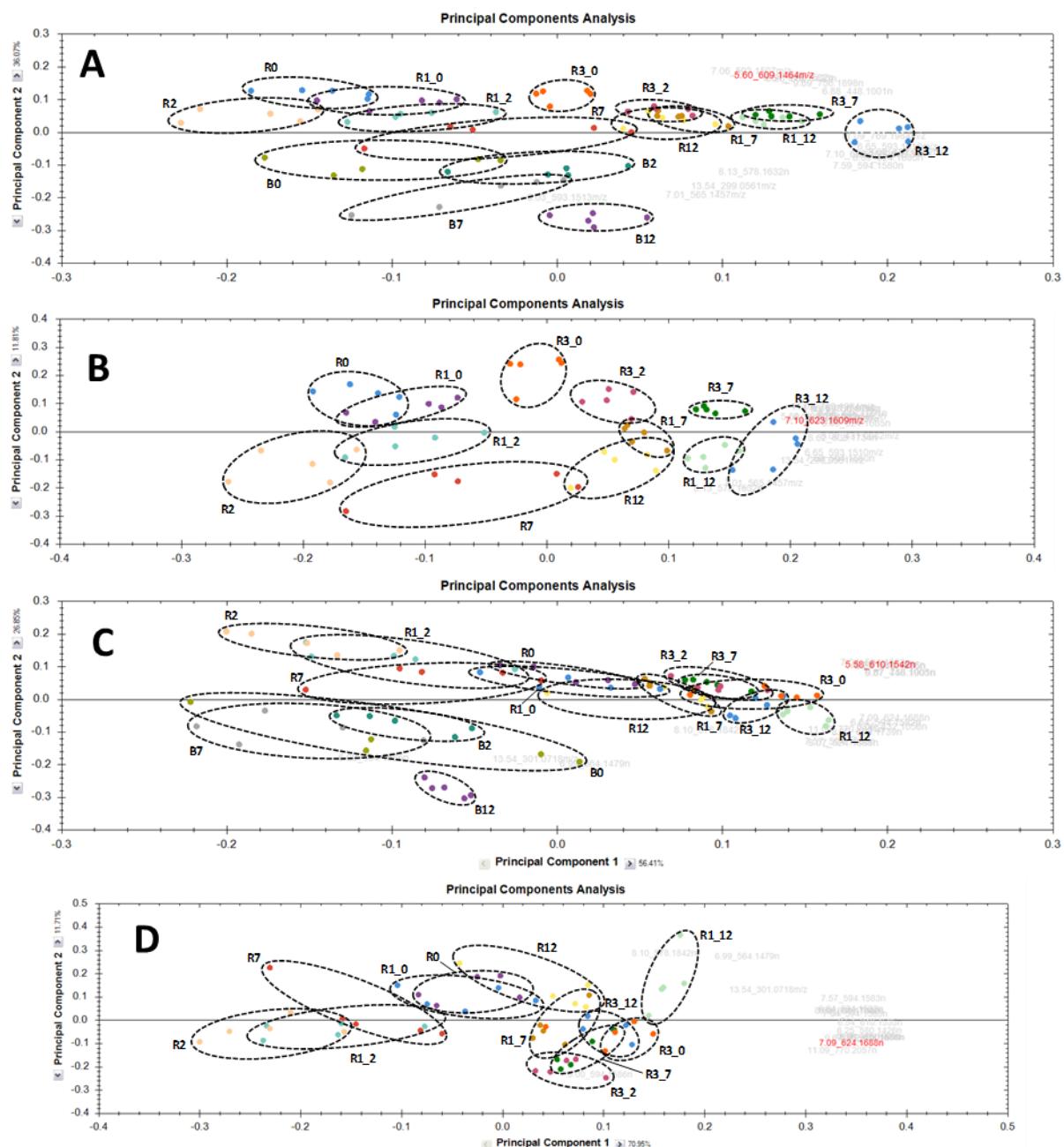


Figure S5. Principal component analysis (PCA) for 17 flavones including (A, C) or without (B, D) the Mv Béres genotype in ESI- (A, B) or ESI+ (C, D) mode. Legend: R0: *Rht-B1a* day 0; R2: *Rht-B1a* day 2; R7: *Rht-B1a* day 7; R12: *Rht-B1a* day 12; R1_0: *Rht-B1b* day 0; R1_2: *Rht-B1b* day 2; R1_7: *Rht-B1b* day 7; R1_12: *Rht-B1b* day 12; R3_0: *Rht-B1c* day 0; R3_2: *Rht-B1c* day 2; R3_7: *Rht-B1c* day 7; R3_12: *Rht-B1c* day 12; B0: Mv Béres day 0; B2: Mv Béres day 2; B7: Mv Béres day 7; B12: Mv Béres day 12

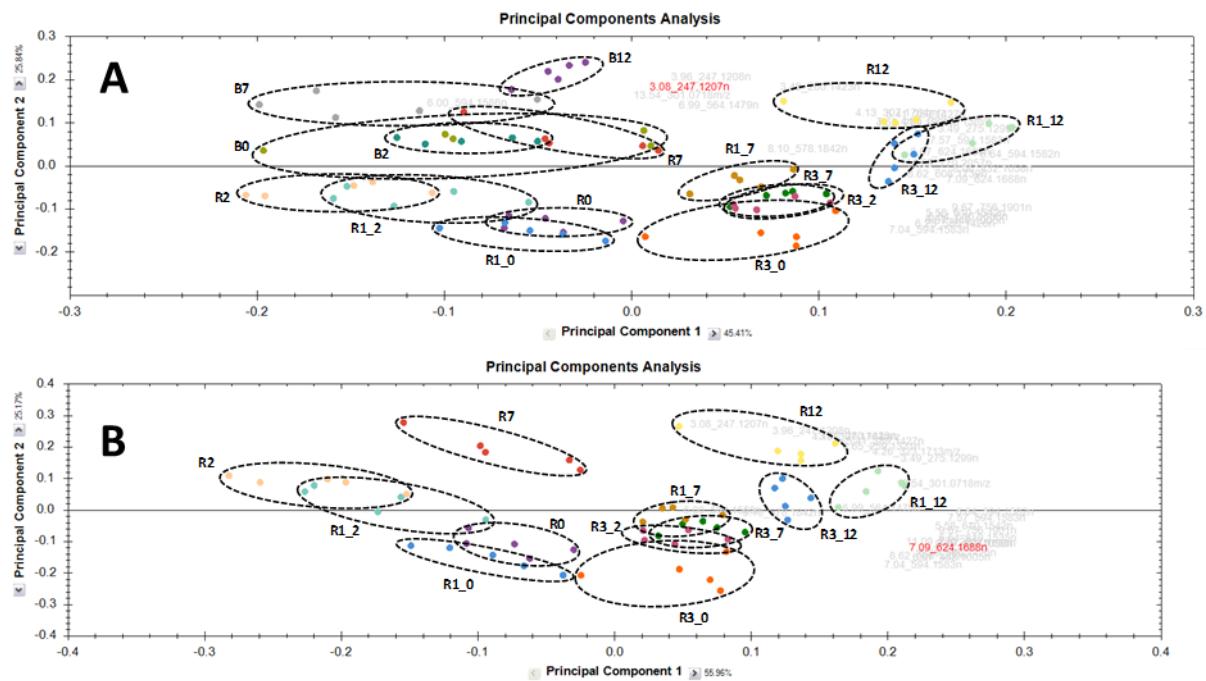
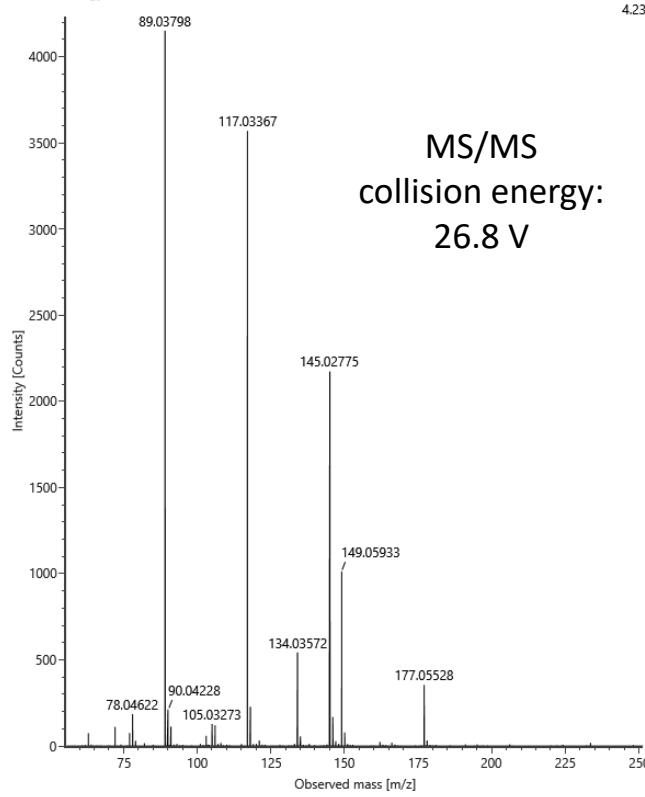


Figure S6. Joint principal component analysis (PCA) for eight polyamine derivatives and 17 flavones including (A) or without (B) the Mv Béres genotype in ESI+ mode. Legend: R0: *Rht-B1a* day 0; R2: *Rht-B1a* day 2; R7: *Rht-B1a* day 7; R12: *Rht-B1a* day 12; R1_0: *Rht-B1b* day 0; R1_2: *Rht-B1b* day 2; R1_7: *Rht-B1b* day 7; R1_12: *Rht-B1b* day 12; R3_0: *Rht-B1c* day 0; R3_2: *Rht-B1c* day 2; R3_7: *Rht-B1c* day 7; R3_12: *Rht-B1c* day 12; B0: Mv Béres day 0; B2: Mv Béres day 2; B7: Mv Béres day 7; B12: Mv Béres day 12

Figure S7. Related high resolution MS and MS/MS spectra

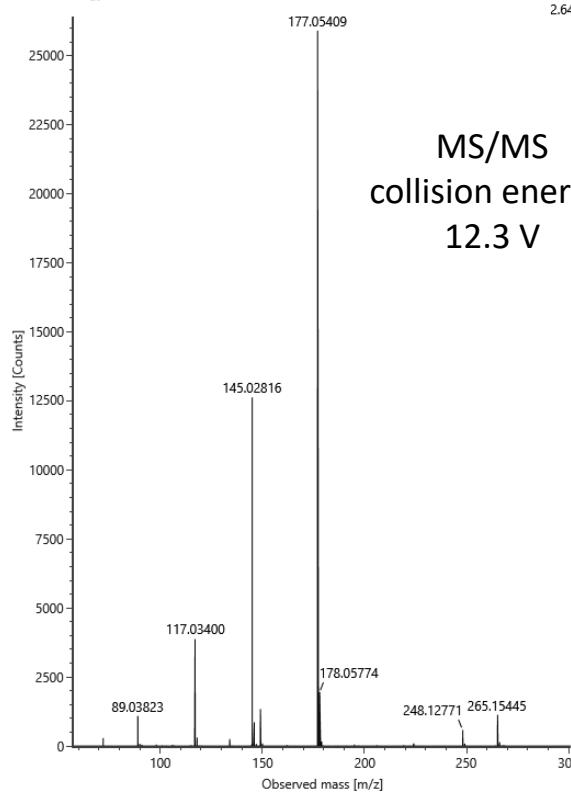
Compound name: isoferuloyl putrescine
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 265.15486

Channel name: 4: RT=3.0737 mins : Set Mass(m/z)=265.1547 : DDA TOF MSMS (50-1000) 27-51eV ESI+
 Collision energy (V): 26.8



MS/MS
 collision energy:
 26.8 V

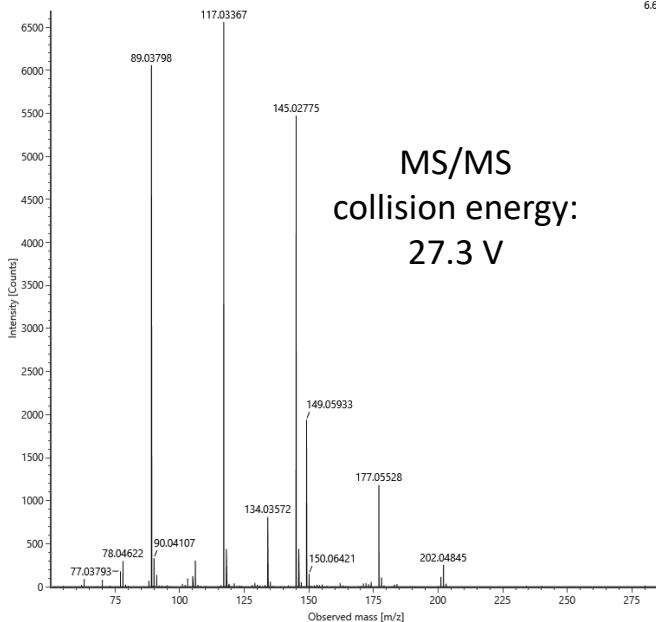
Channel name: 4: RT=3.0908 mins : Set Mass(m/z)=265.1546 : DDA TOF MSMS (50-1000) 1...



MS/MS
 collision energy:
 12.3 V

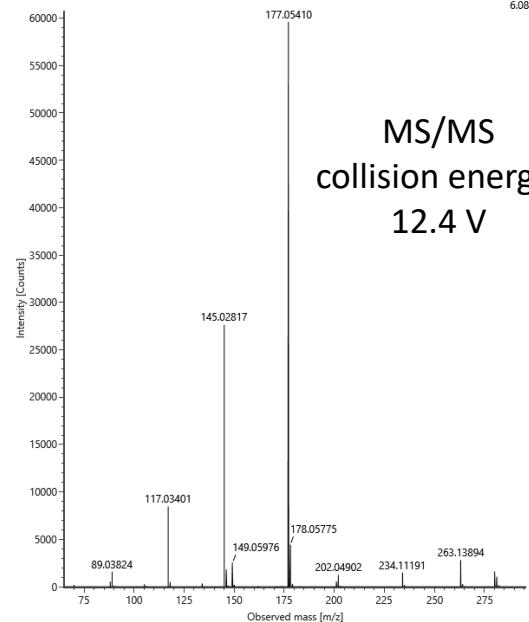
Compound name: (iso)feruloyl-2-hydroxyputrescine
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 281.14955

Channel name: 4: RT=3.4718 mins : Set Mass(m/z)=281.1494 : DDA TOF MSMS (50-1000) 27-51eV ESI+
 Collision energy (V): 27.3



MS/MS
 collision energy:
 27.3 V

Channel name: 4: RT=3.4720 mins : Set Mass(m/z)=281.1499 : DDA TOF MSMS (50-1000) 12-35eV ESI+
 Collision energy (V): 12.4

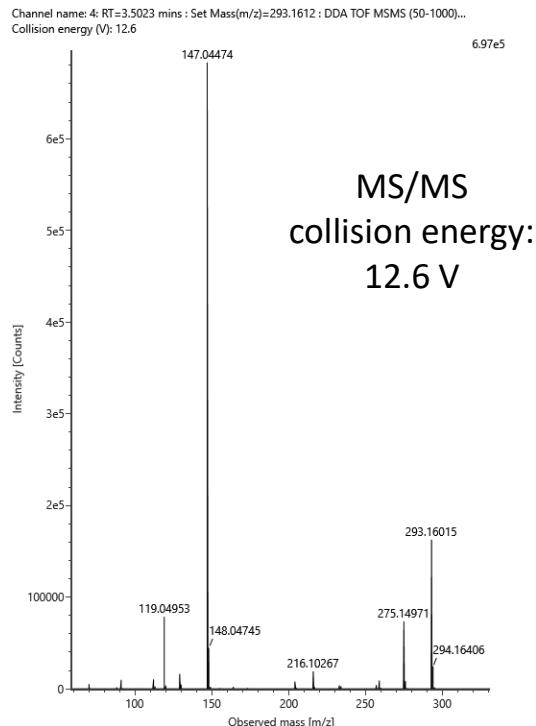
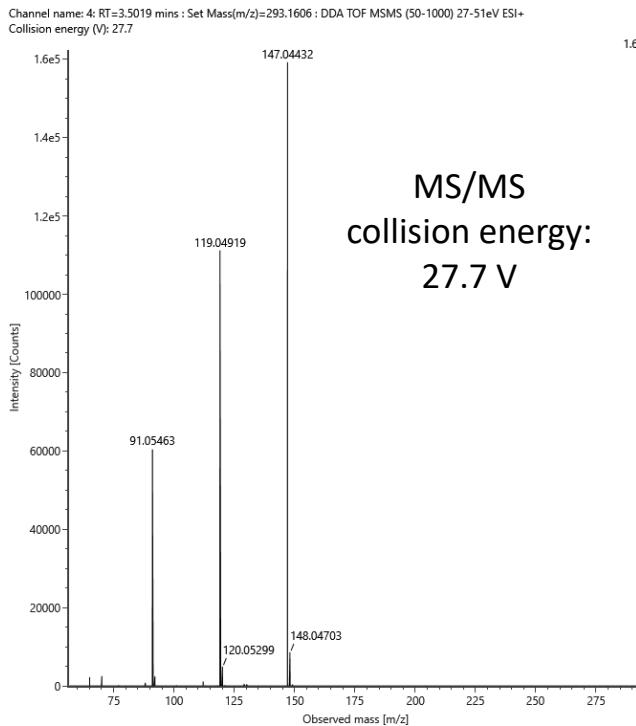


MS/MS
 collision energy:
 12.4 V

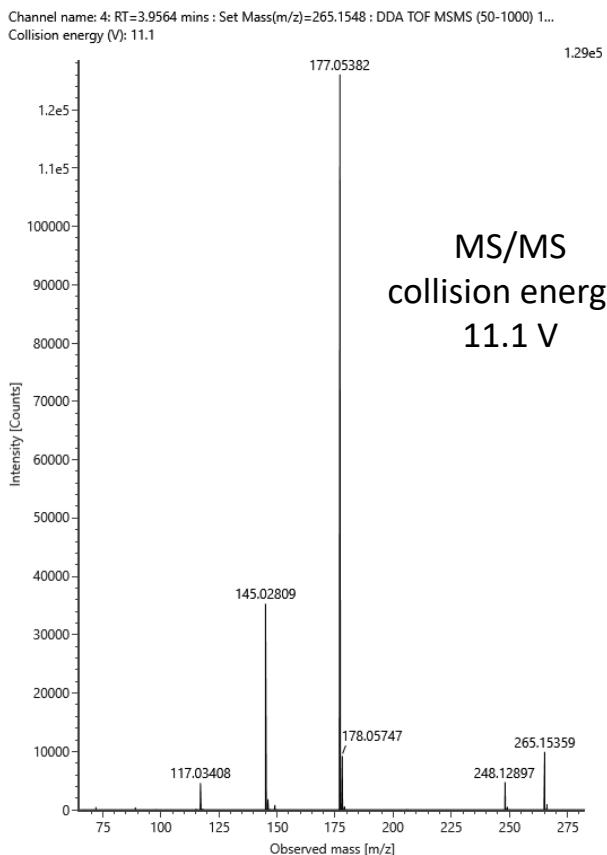
Compound name: p-coumaroylhydroxyagmatine

ESI-MS mode: positive, Unispray ion source

m/z (experimental): 293.16071

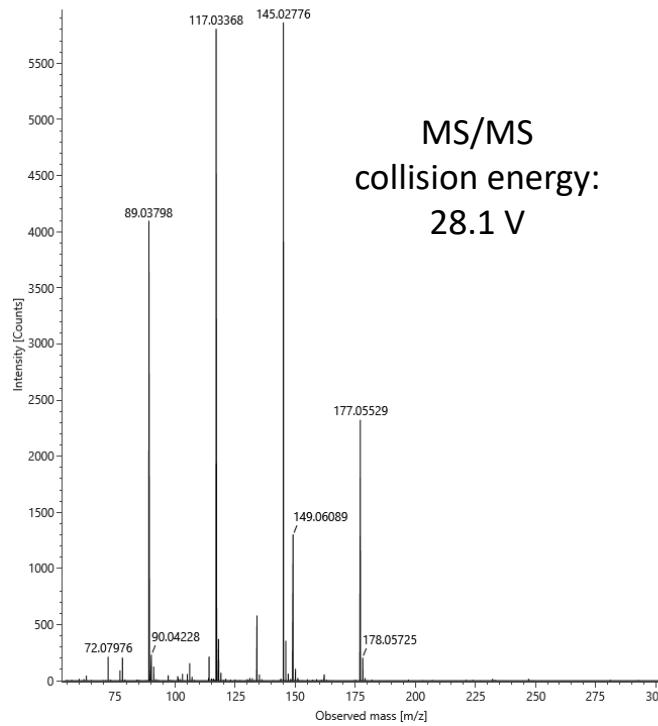


Compound name: feruloyl putrescine
ESI-MS mode: positive, Unispray ion source
m/z (experimental): 265.15451

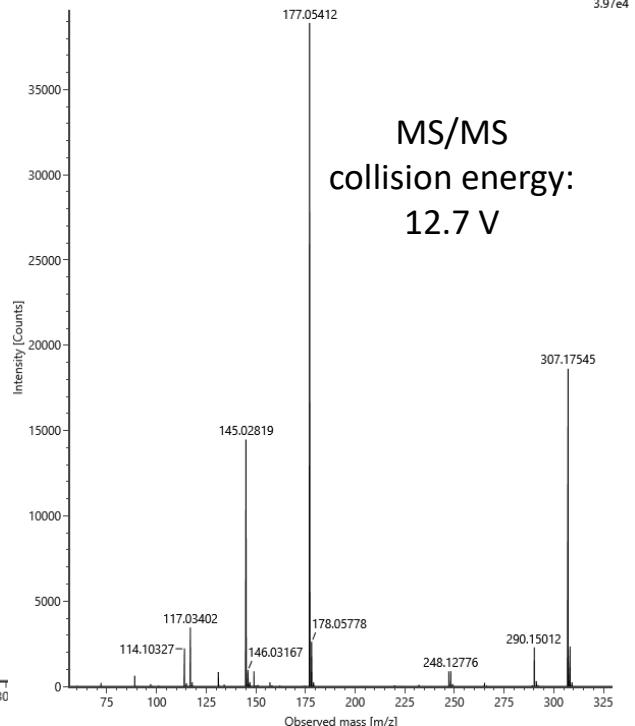


Compound name: isoferuloylagmatine
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 307.17661

Channel name: 4: RT=4.1111 mins : Set Mass(m/z)=307.1764 : DDA TOF MSMS (50-1000) 27-51eV ESI+
 Collision energy (V): 28.1

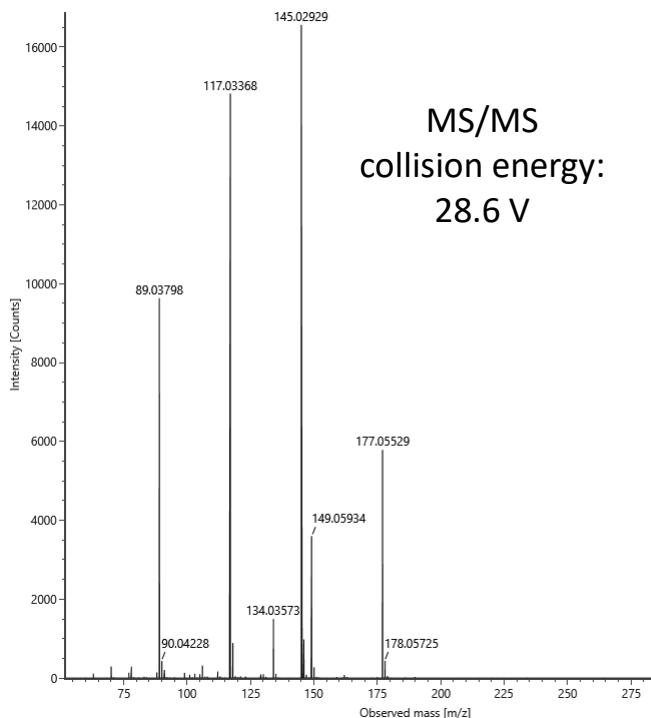


Channel name: 4: RT=4.1416 mins : Set Mass(m/z)=307.1765 : DDA TOF MSMS (50-1000) 12-35eV ESI+
 Collision energy (V): 12.7

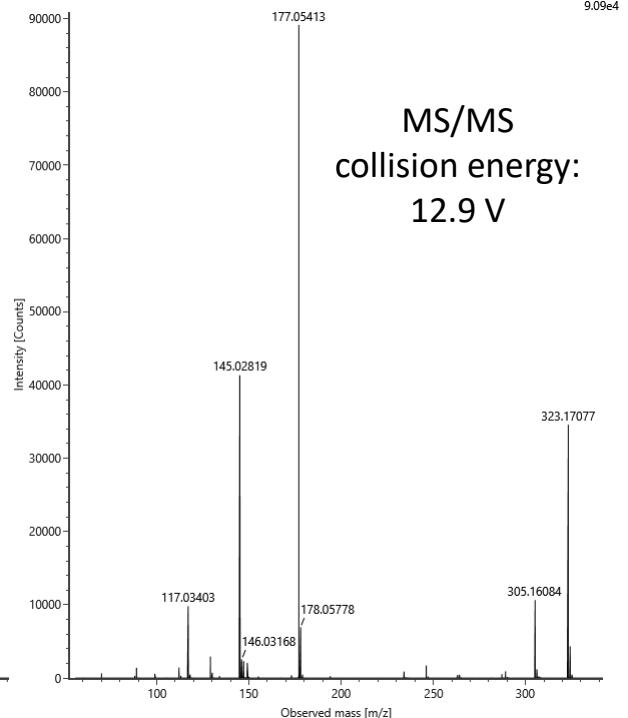


Compound name: feruloylhydroxyagmatine
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 323.17120

Channel name: 4: RT=4.2601 mins : Set Mass(m/z)=323.1711 : DDA TOF MSMS (50-1000) 27-51eV ESI+
 Collision energy (V): 28.6

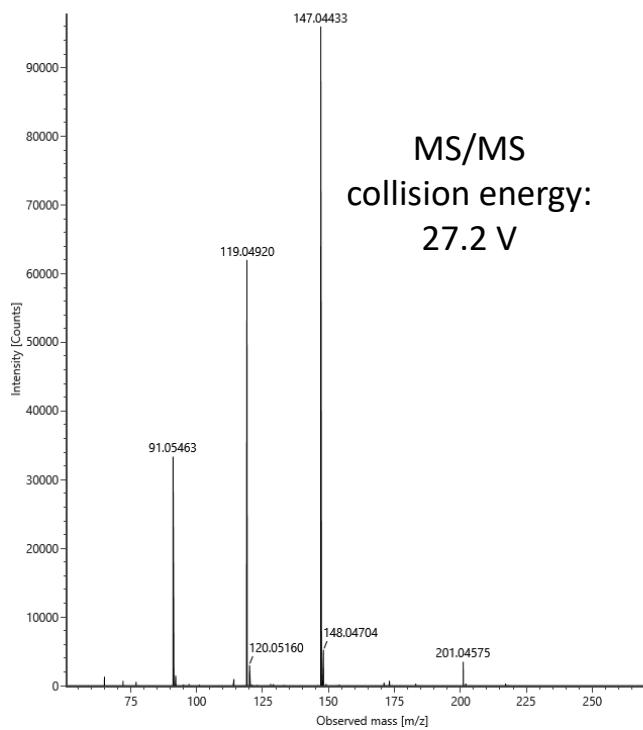


Channel name: 4: RT=4.2640 mins : Set Mass(m/z)=323.1715 : DDA TOF MSMS (50-1000) 12-35eV ESI+
 Collision energy (V): 12.9

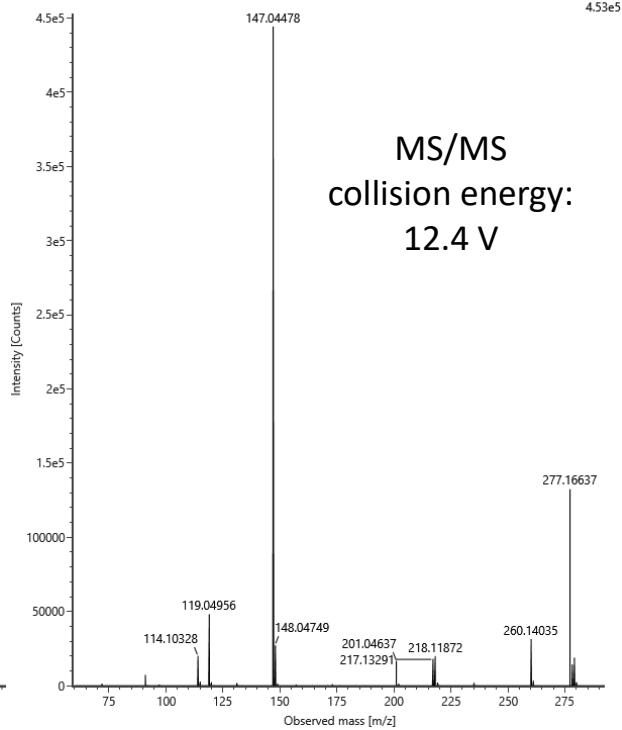


Compound name: p-coumaroylagmatine
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 277.16578

Channel name: 4: RT=4.6474 mins : Set Mass(m/z)=277.1659 : DDA TOF MSMS (50-1000) 27-51eV ESI+
 Collision energy (V): 27.2

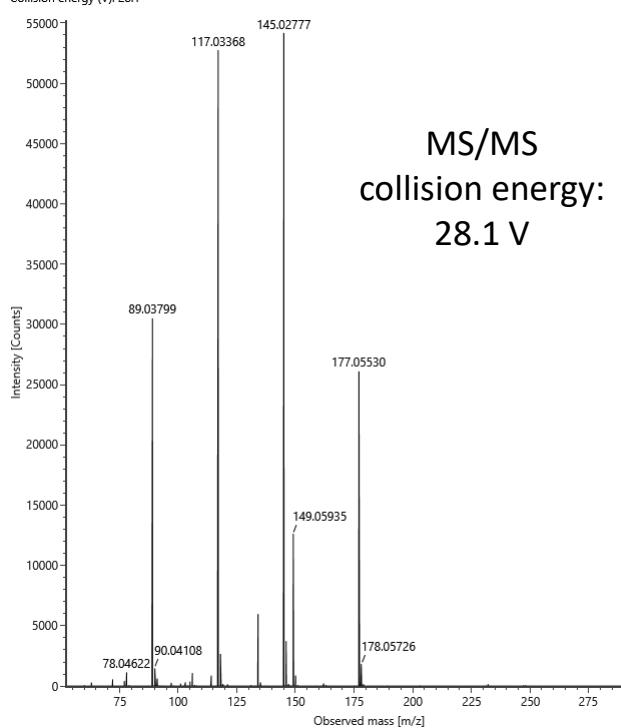


Channel name: 4: RT=4.6641 mins : Set Mass(m/z)=277.1663 : DDA TOF MSMS (50-1000) 12-35eV ESI+
 Collision energy (V): 12.4

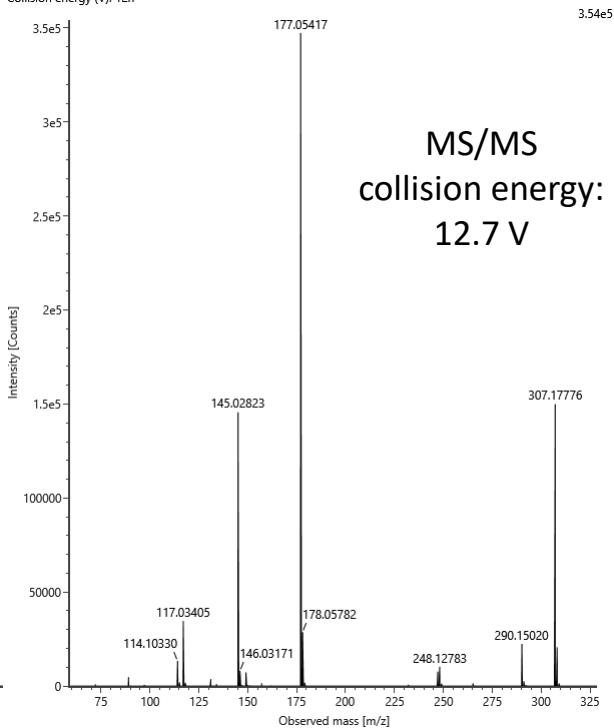


Compound name: feruloylagmatine
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 307.17667

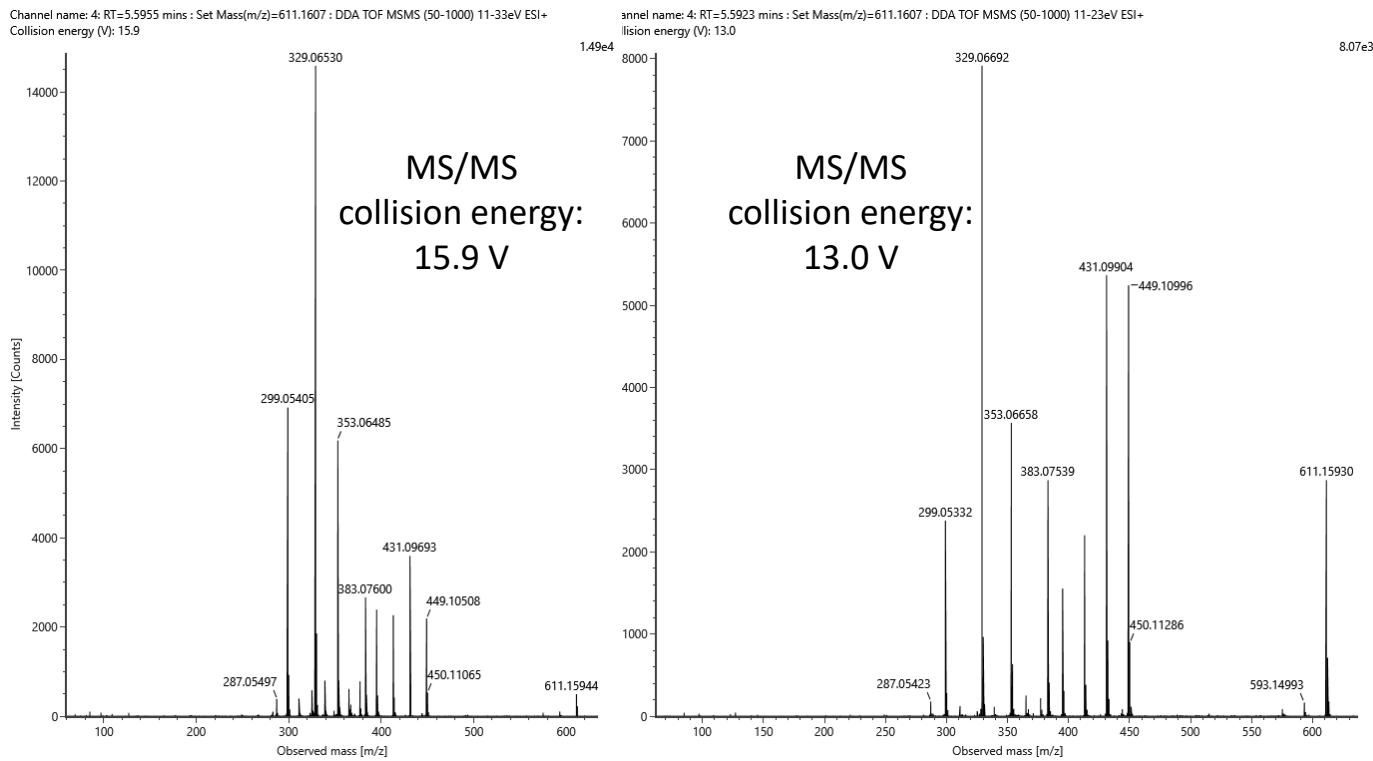
Channel name: 4: RT=5.3964 mins : Set Mass(m/z)=307.1761 : DDA TOF MSMS (50-1000) 27-51eV ESI+
 Collision energy (V): 28.1



Channel name: 4: RT=5.4083 mins : Set Mass(m/z)=307.1765 : DDA TOF MSMS (50-1000) 12-35eV ESI+
 Collision energy (V): 12.7

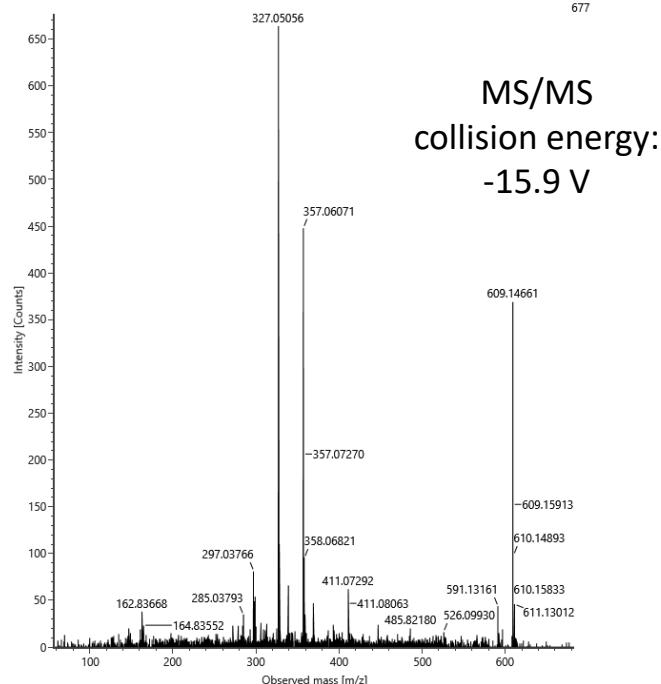


Compound name: lutonarin
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 611.16099



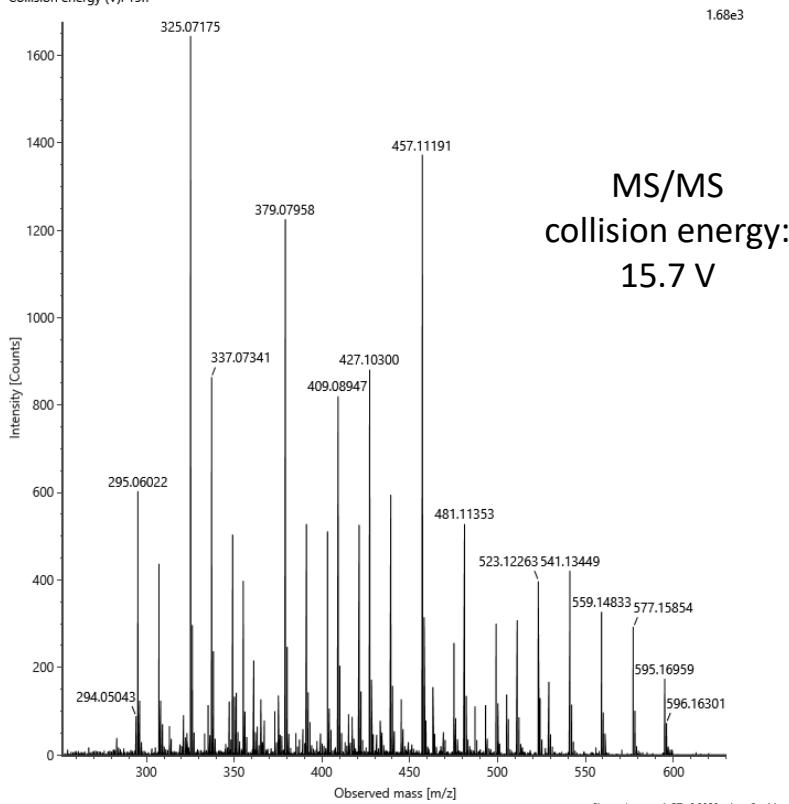
Compound name: lutonarin
 ESI-MS mode: negative, Unispray ion source
 m/z (experimental): 609.14620

Channel name: 4: RT=5.5768 mins : Set Mass(m/z)=609.1475 : DDA TOF MSMS (50-1000) -16--42eV ESI-
 Collision energy (V): -15.9

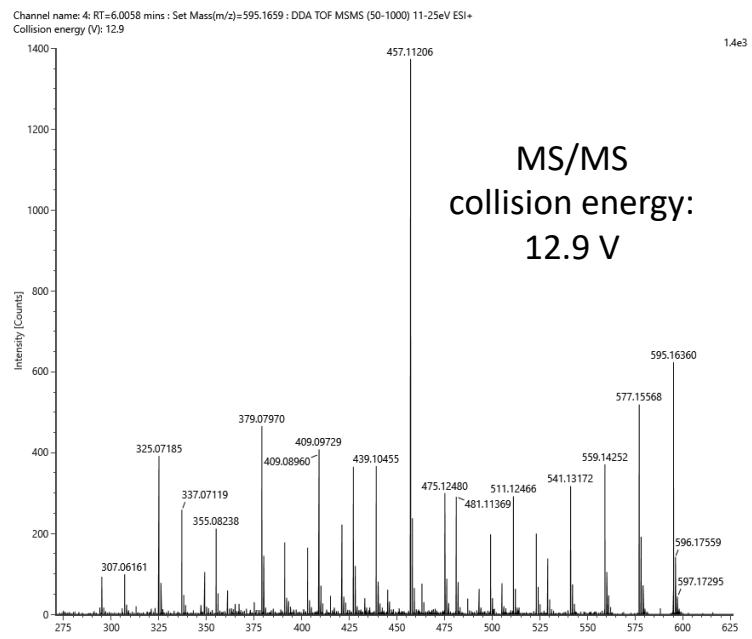
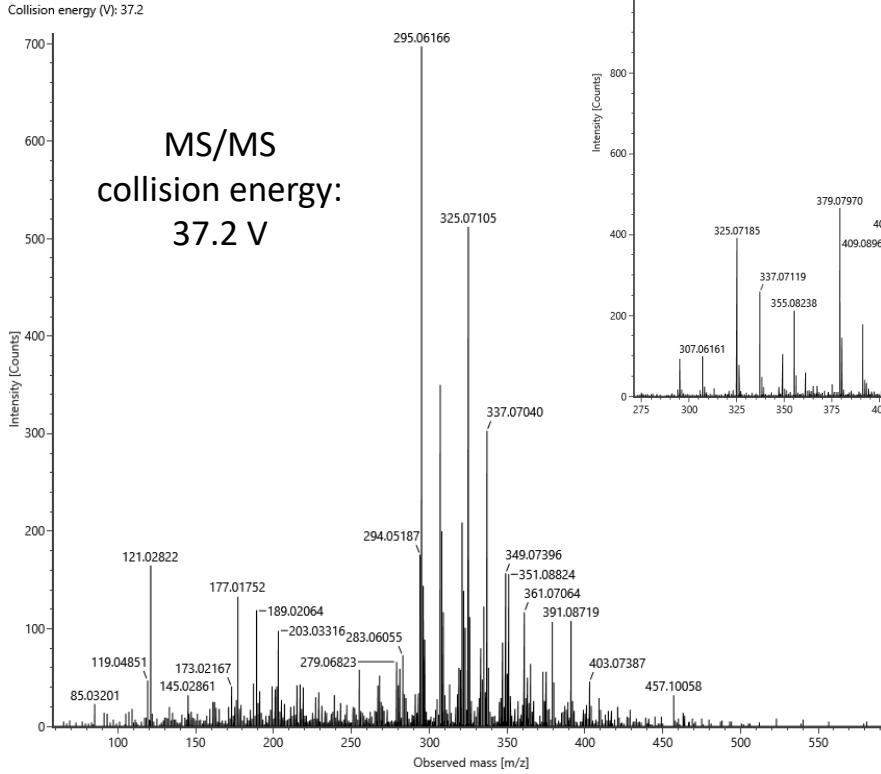


Compound name: vicenin-2
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 595.16550

Channel name: 4: RT=6.0095 mins : Set Mass(m/z)=595.1641 : DDA TOF MSMS (50-1000) 13-35eV ESI+
 Collision energy (V): 15.7

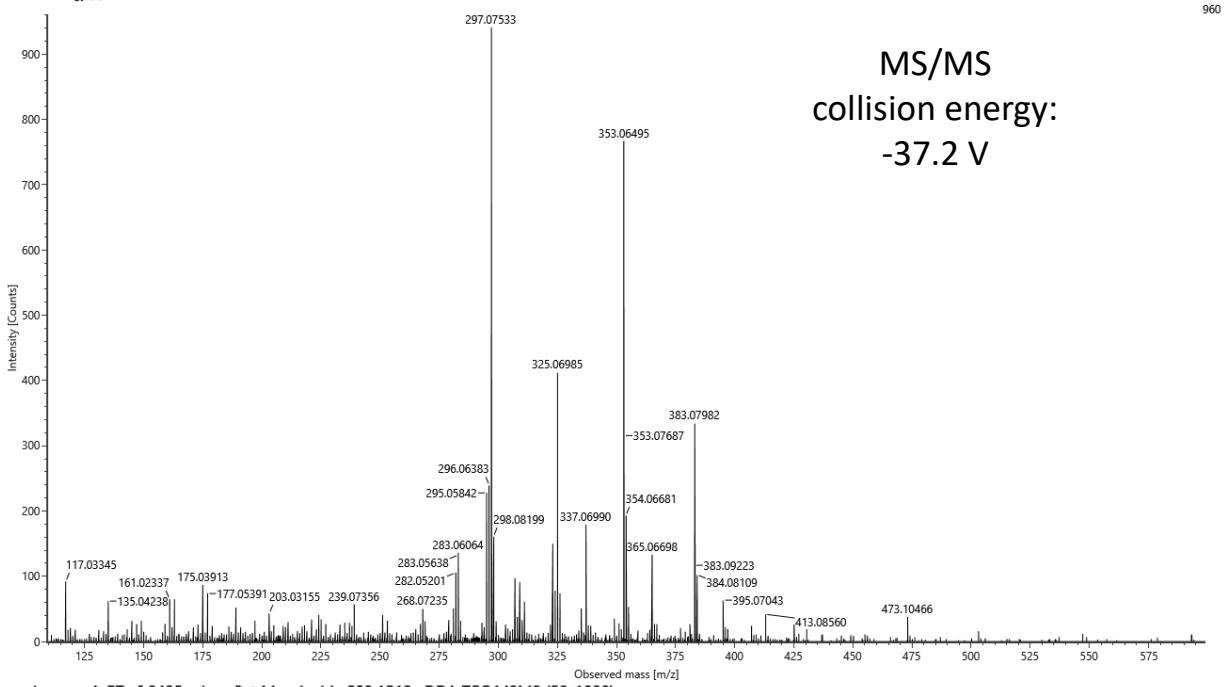


Channel name: 4: RT=6.0293 mins : Set Mass(m/z)=595.1659 : DDA TOF MSMS (50-1000) 28-53eV ESI+
 Collision energy (V): 37.2

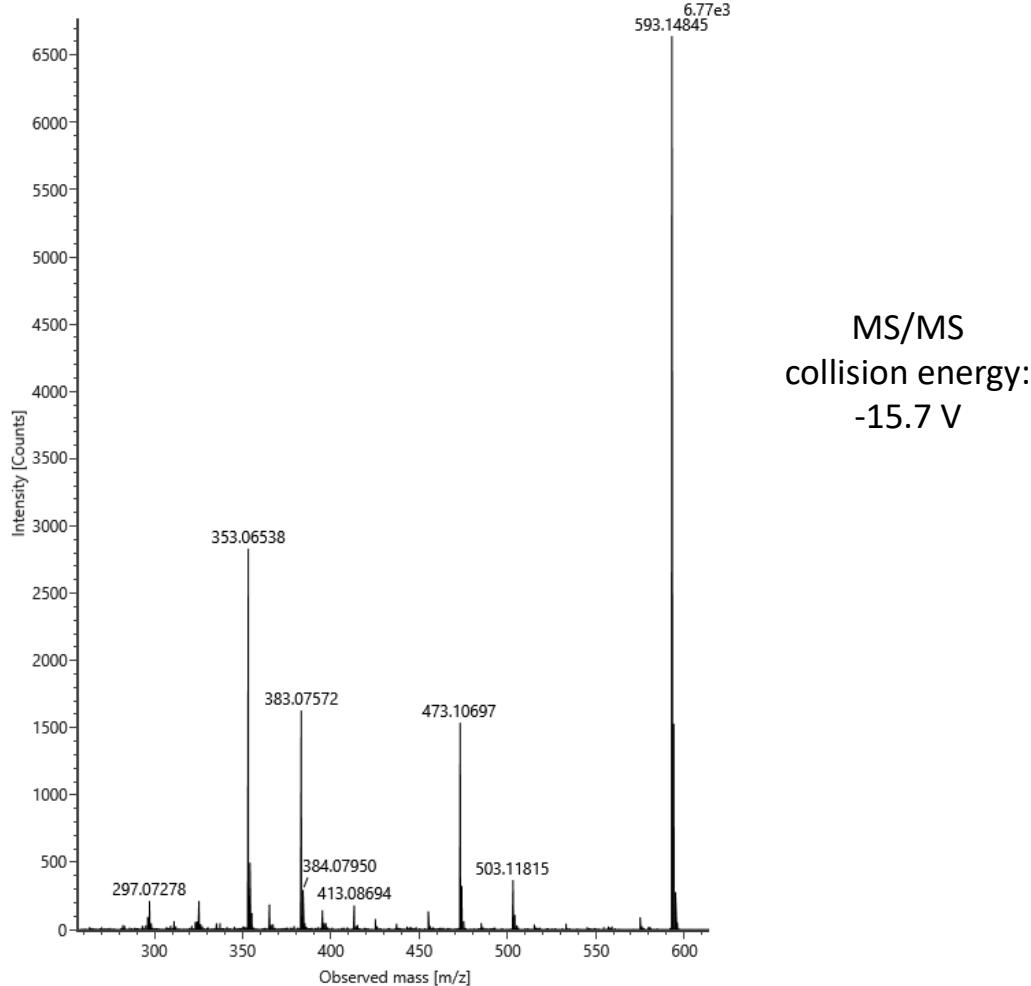


Compound name: vicenin-2
ESI-MS mode: negative, Unispray ion source
m/z (experimental): 593.15115

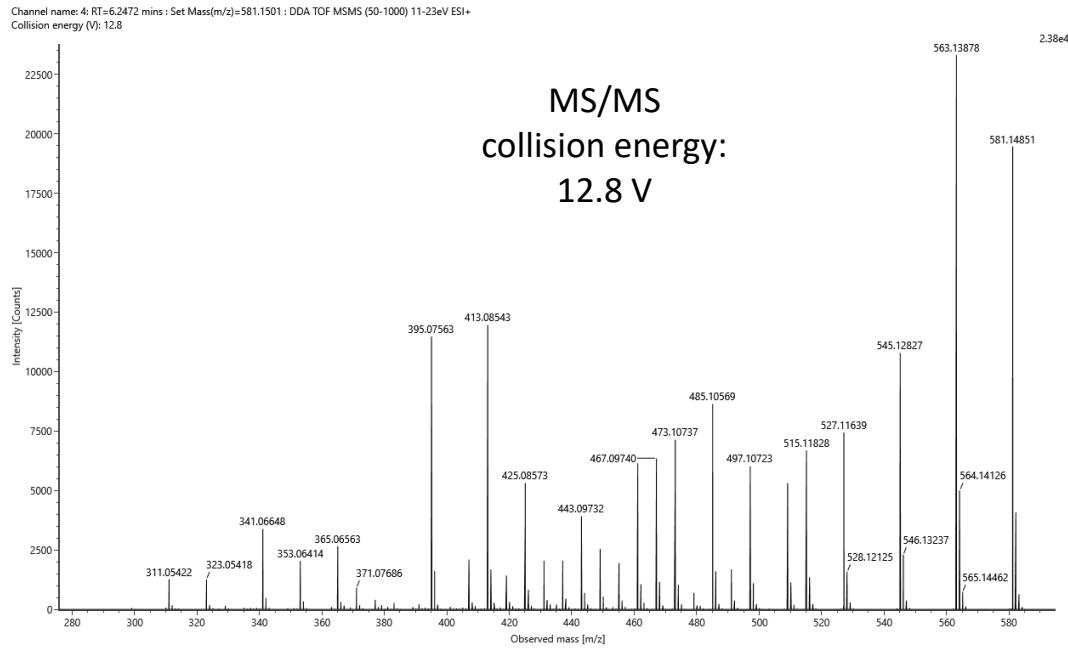
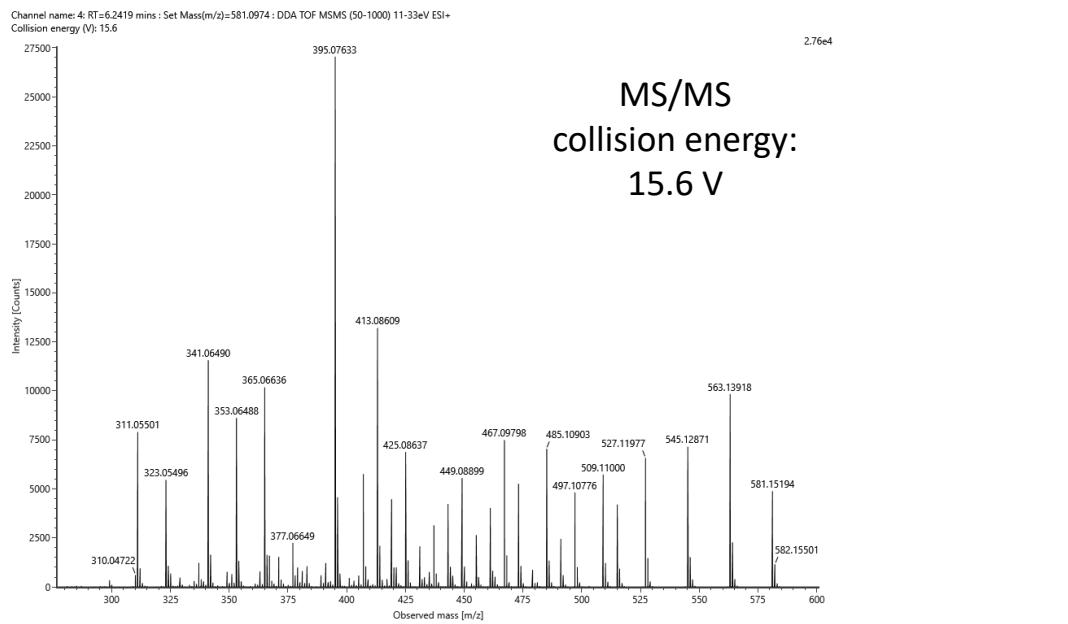
Channel name: 4: RT=6.0443 mins : Set Mass(*m/z*)=593.1514 : DDA TOF MSMS (50-1000) -37--69eV ESI-
Collision energy (V): -37.2



Channel name: 4: RT=6.0425 mins : Set Mass(*m/z*)=593.1519 : DDA TOF MSMS (50-1000) ...
Collision energy (V): -15.7

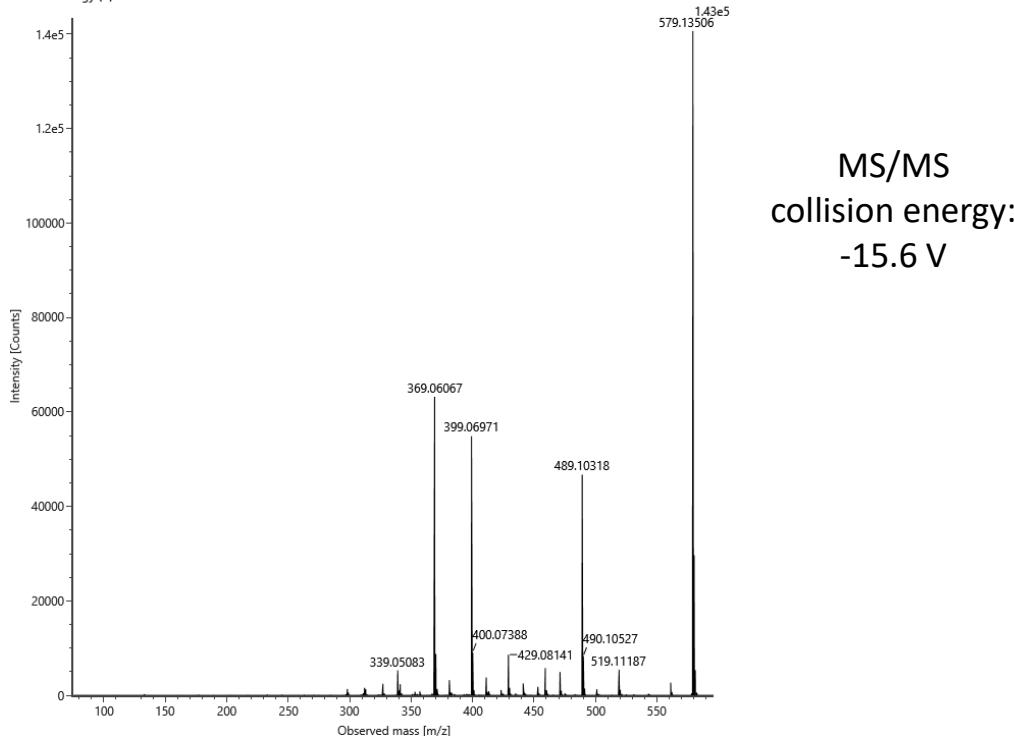


Compound name: lucenin-1/3
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 581.15050

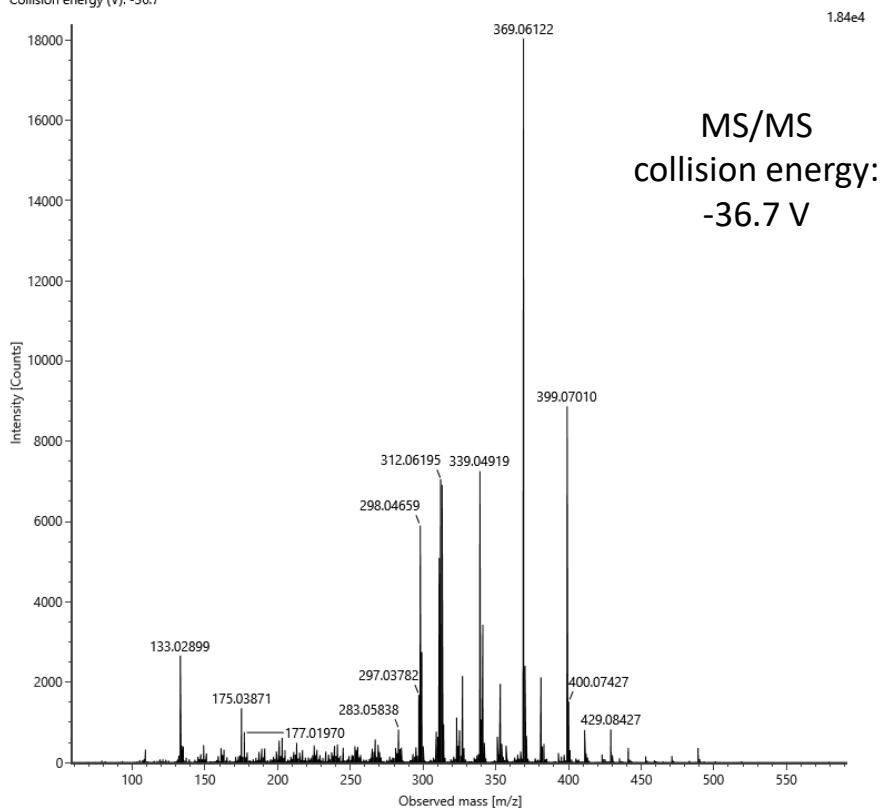


Compound name: lucenin-1/3
ESI-MS mode: negative, Unispray ion source
m/z (experimental): 579.13497

Channel name: 4: RT=6.2394 mins : Set Mass(*m/z*)=579.1357 : DDA TOF MSMS (50-1000) -16--41eV ESI-
Collision energy (V): -15.6

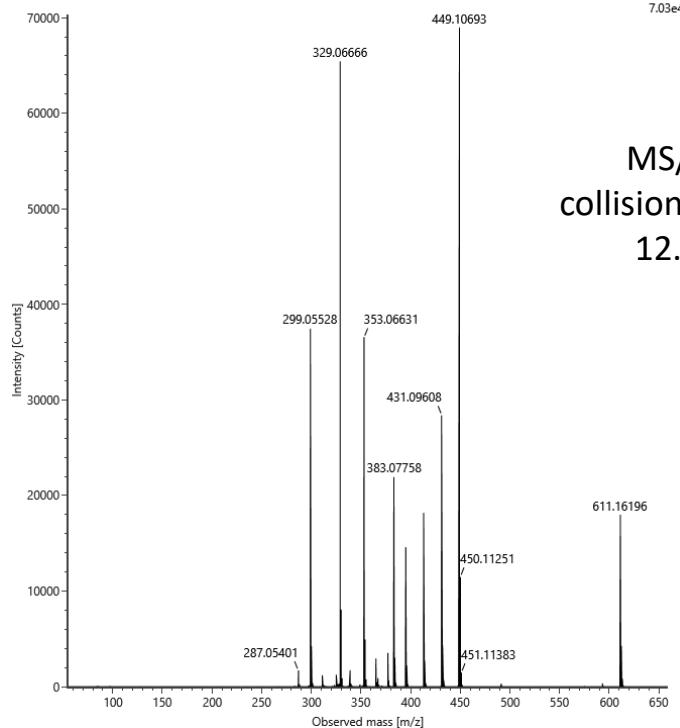


Channel name: 4: RT=6.2614 mins : Set Mass(*m/z*)=579.2166 : DDA TOF MSMS (50-1000) -37--68eV ESI-
Collision energy (V): -36.7



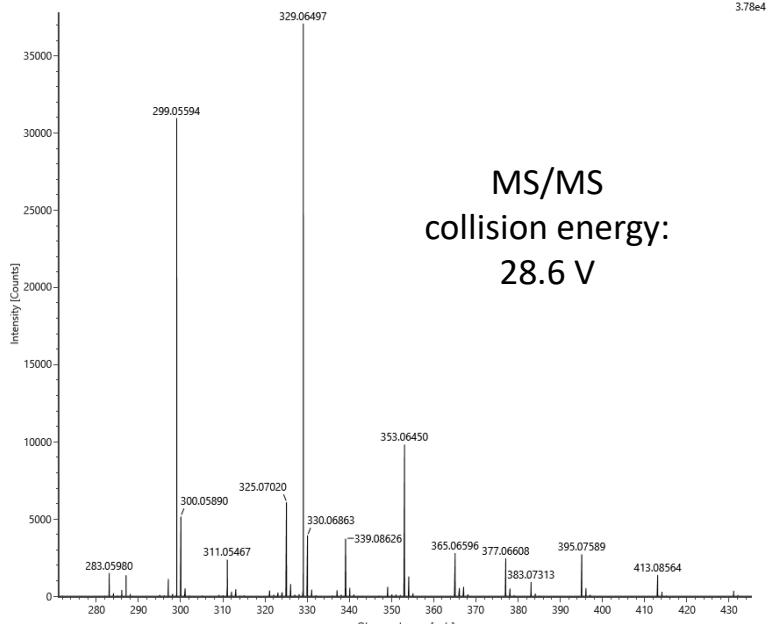
Compound name: isoorientin-2"-O-glucoside
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 611.16080

Channel name: 4: RT=6.5413 mins : Set Mass(m/z)=611.1603 : DDA TOF MSMS (50-2000) 11-32eV ESI+
 Collision energy (V): 12.9



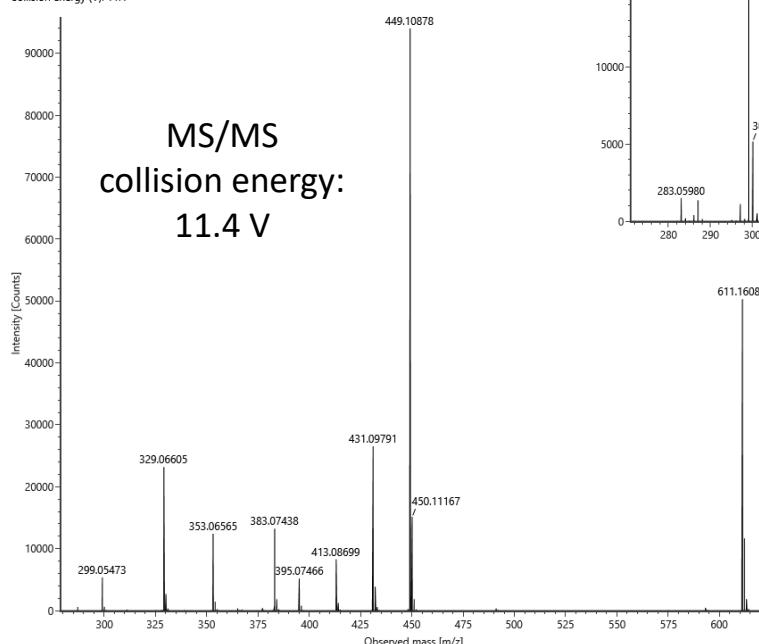
MS/MS
 collision energy:
 12.9 V

Channel name: 4: RT=6.5560 mins : Set Mass(m/z)=611.1597 : DDA TOF MSMS (50-2000) 22-44eV ESI+
 Collision energy (V): 28.6



MS/MS
 collision energy:
 11.4 V

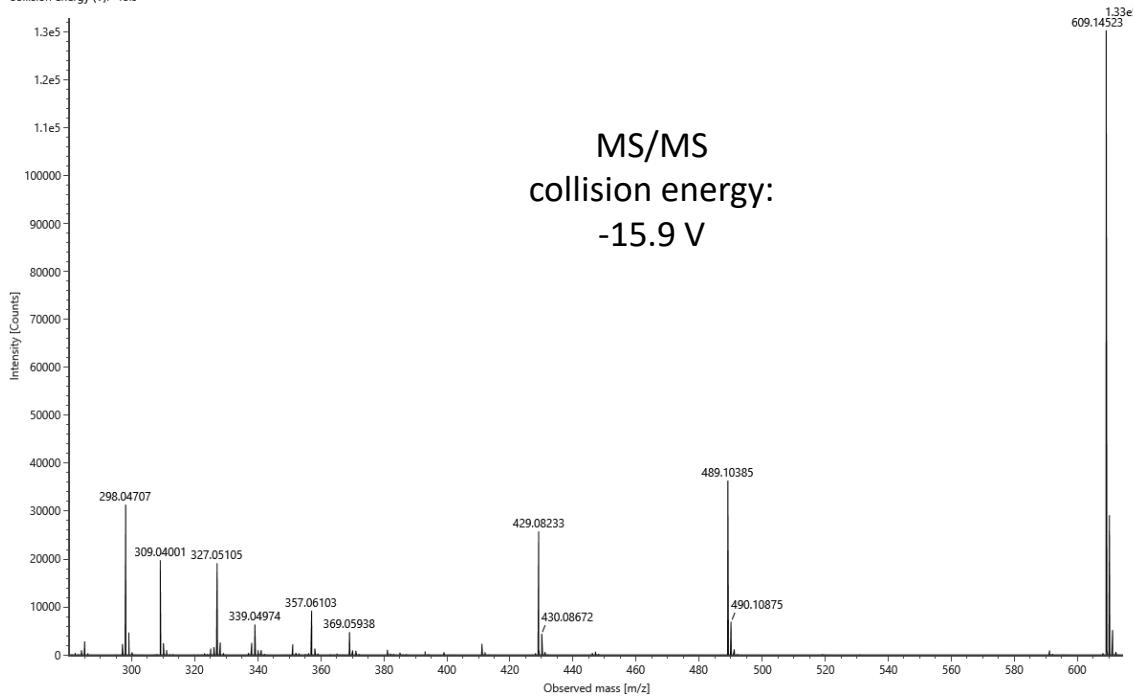
Channel name: 4: RT=6.5652 mins : Set Mass(m/z)=611.1593 : DDA TOF MSMS (50-2000) 10-22eV ESI+
 Collision energy (V): 11.4



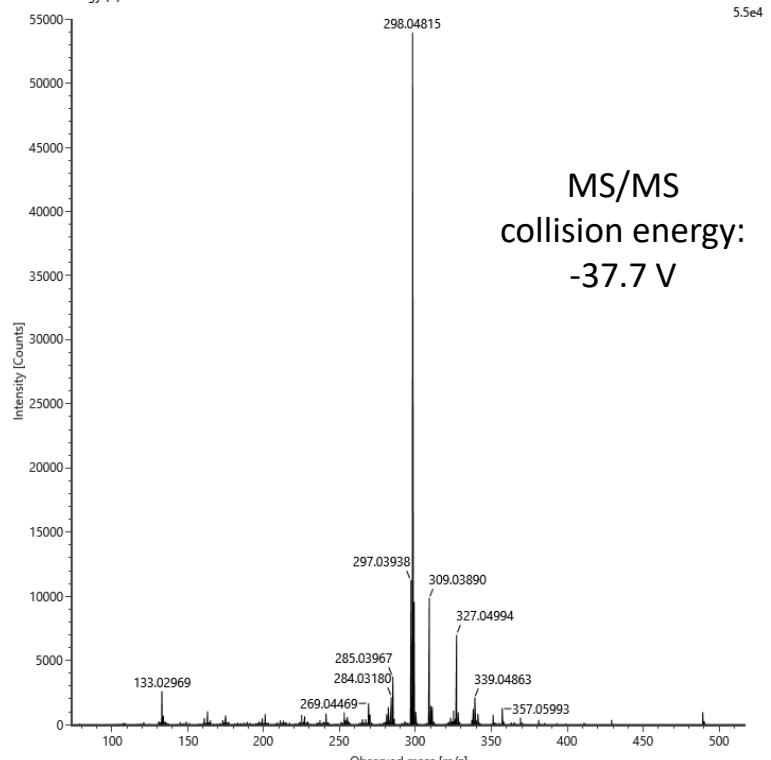
611.16082

Compound name: isoorientin-2"-O-glucoside
 ESI-MS mode: negative, Unispray ion source
 m/z (experimental): 609.14659

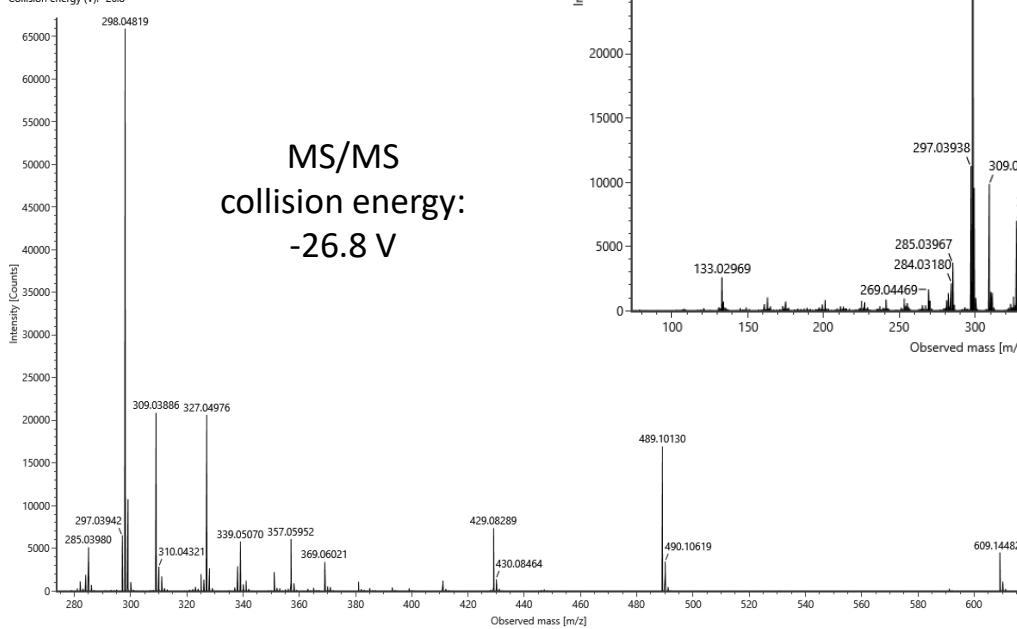
Channel name: 4: RT=6.5524 mins : Set Mass(m/z)=609.2289 : DDA TOF MSMS (50-1000) -13--36eV ESI-
 Collision energy (V): -15.9



Channel name: 4: RT=6.5444 mins : Set Mass(m/z)=609.2319 : DDA TOF MSMS (50-1000) -30--56eV ESI-
 Collision energy (V): -37.7

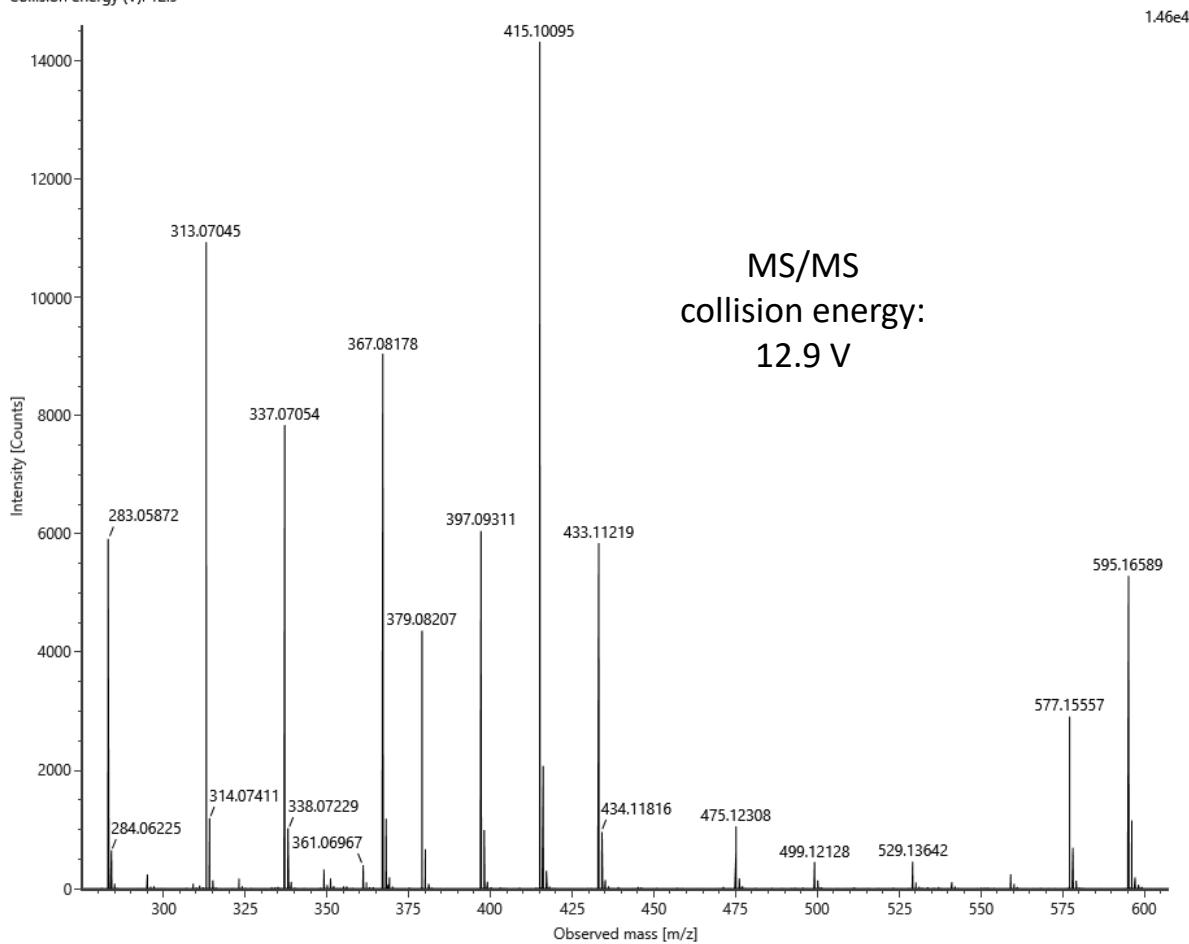


Channel name: 4: RT=6.5498 mins : Set Mass(m/z)=609.2309 : DDA TOF MSMS (50-1000) -21--45eV ESI-
 Collision energy (V): -26.8

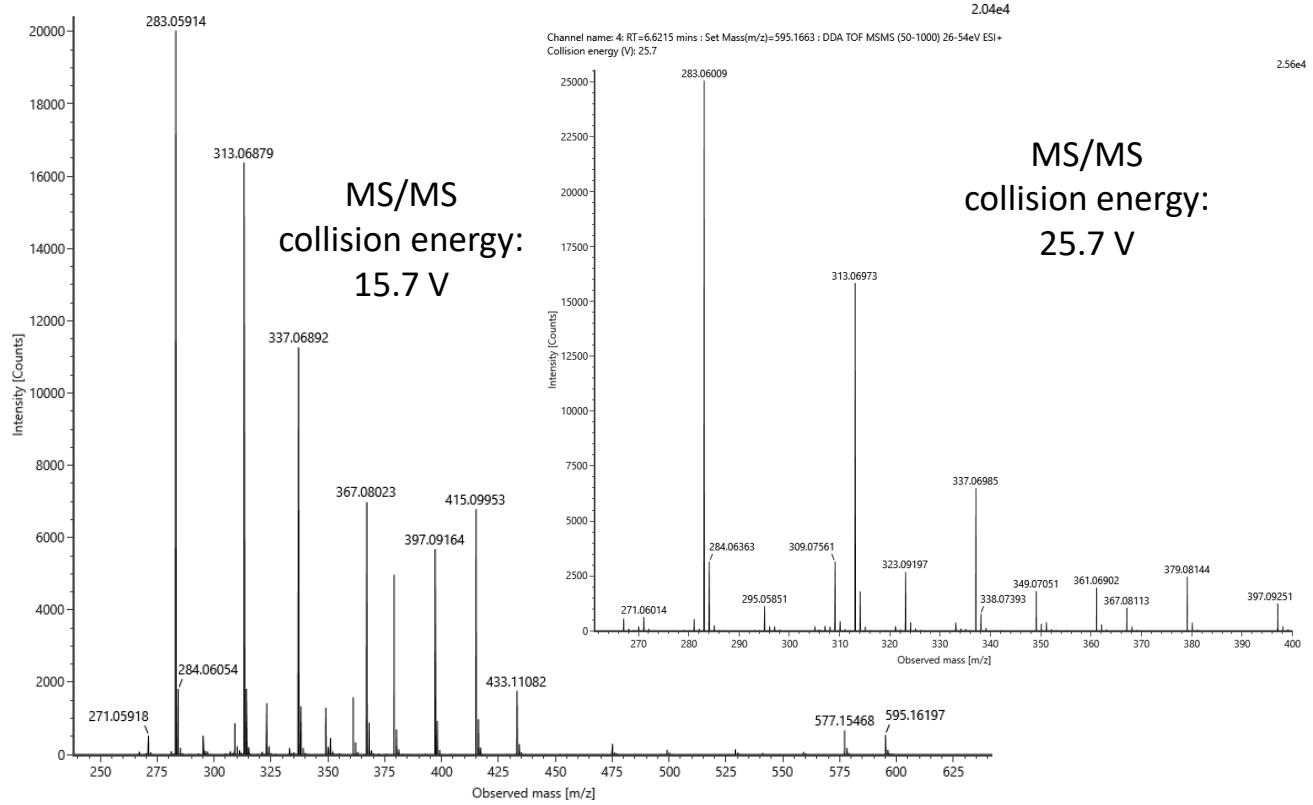


Compound name: saponarin
ESI-MS mode: positive, Unispray ion source
***m/z* (experimental): 595.16581**

Channel name: 4: RT=6.6216 mins : Set Mass(*m/z*)=595.1662 : DDA TOF MSMS (50-1000) 13-29eV ESI+
 Collision energy (V): 12.9

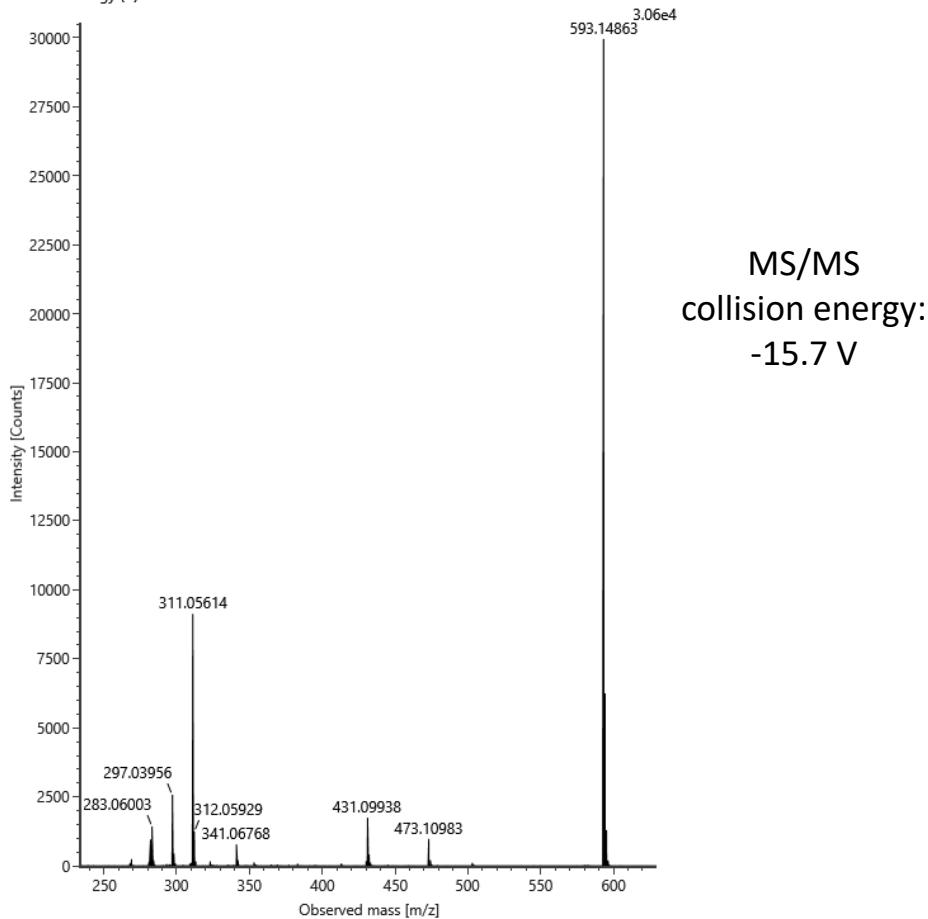


Channel name: 4: RT=6.6123 mins : Set Mass(*m/z*)=595.1649 : DDA TOF MSMS (50-1000) 16-41eV ESI+
 Collision energy (V): 15.7

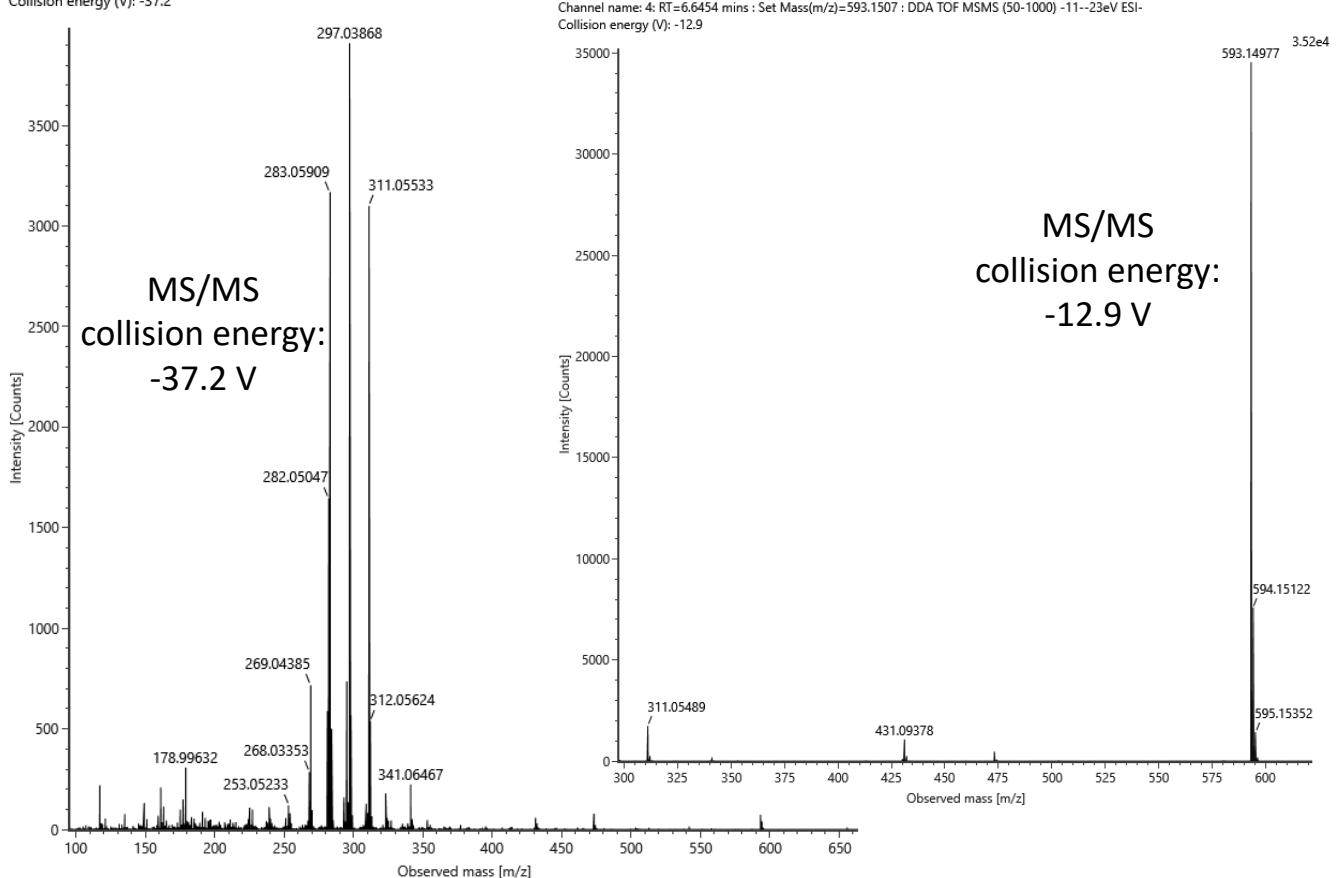


Compound name: saponarin
ESI-MS mode: negative, Unispray ion source
***m/z* (experimental): 593.15088**

Channel name: 4: RT=6.6443 mins : Set Mass(*m/z*)=593.2367 : DDA TOF MSMS (50-1000) -...
 Collision energy (V): -15.7

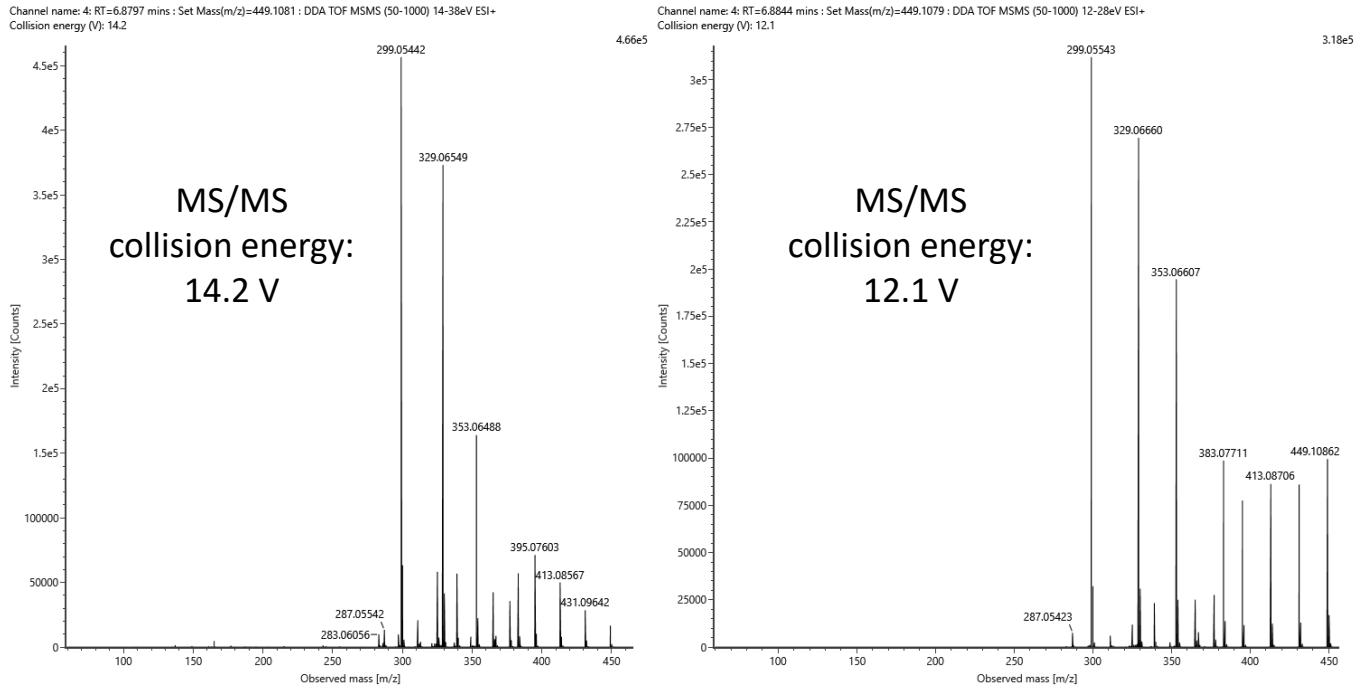


Channel name: 4: RT=6.6456 mins : Set Mass(*m/z*)=593.2311 : DDA TOF MSMS (50-1000) -24--46eV ESI-
 Collision energy (V): -37.2



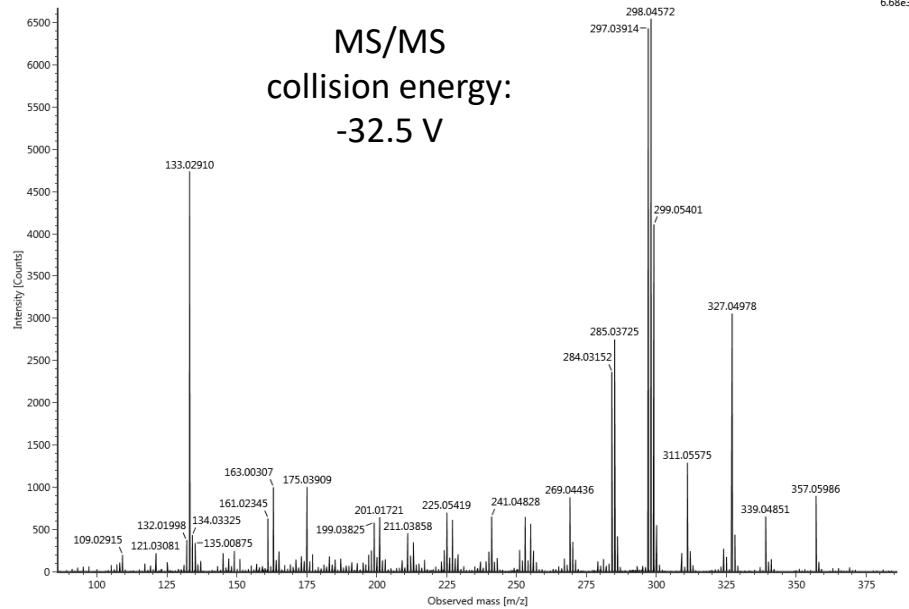
Compound name: isoorientin
ESI-MS mode: positive, Unispray ion source
m/z (experimental): 449.10758

Channel name: 4; RT=6.8797 mins : Set Mass(*m/z*)=449.1081 : DDA TOF MSMS (50-1000) 14-38eV ESI+
Collision energy (V): 14.2

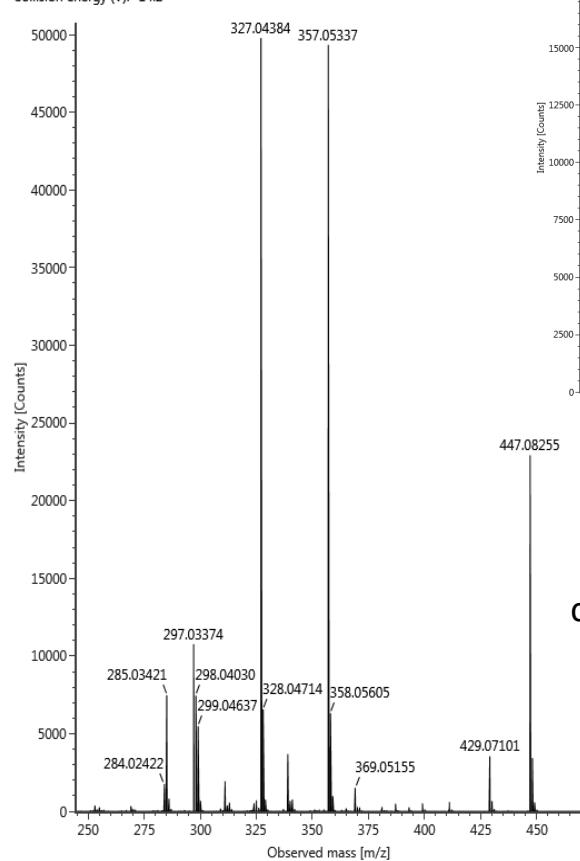


Compound name: isoorientin
 ESI-MS mode: negative, Unispray ion source
 m/z (experimental): 447.09354

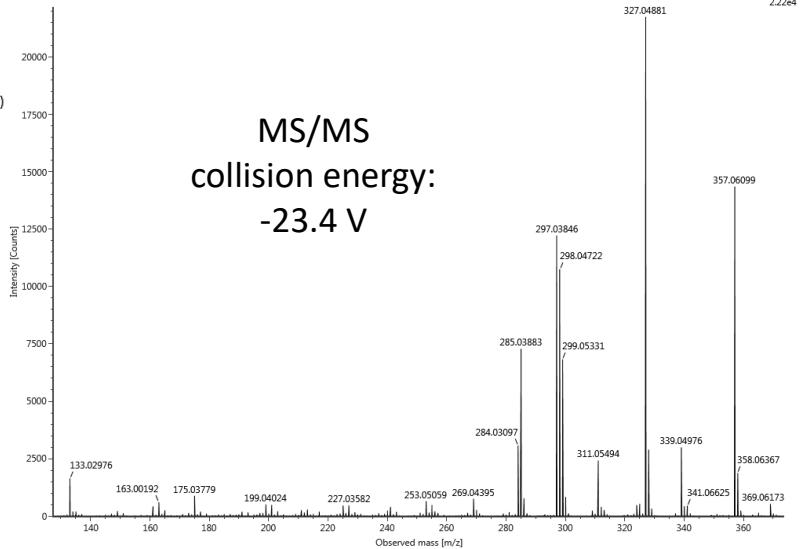
Channel name: 4: RT=6.8758 mins : Set Mass(m/z)=447.0924 : DDA TOF MSMS (50-1000) -38--69eV ESI-
 Collision energy (V): -32.5



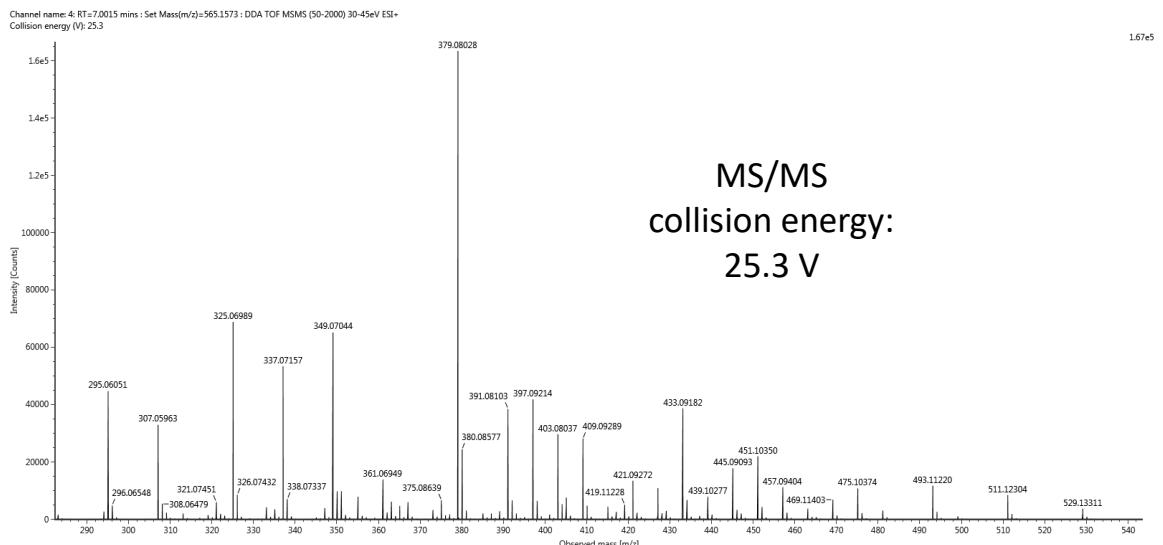
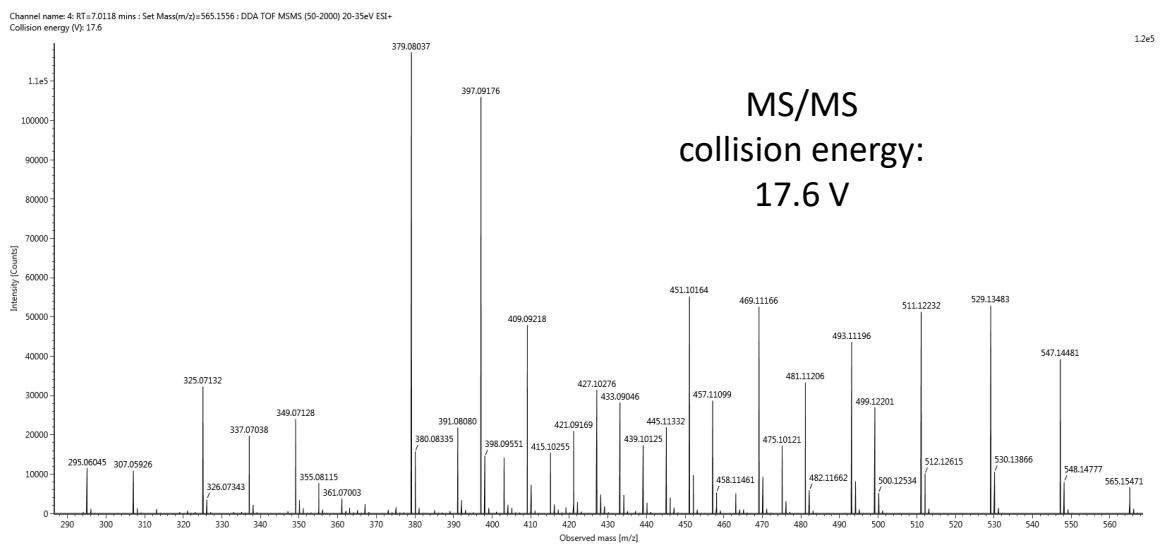
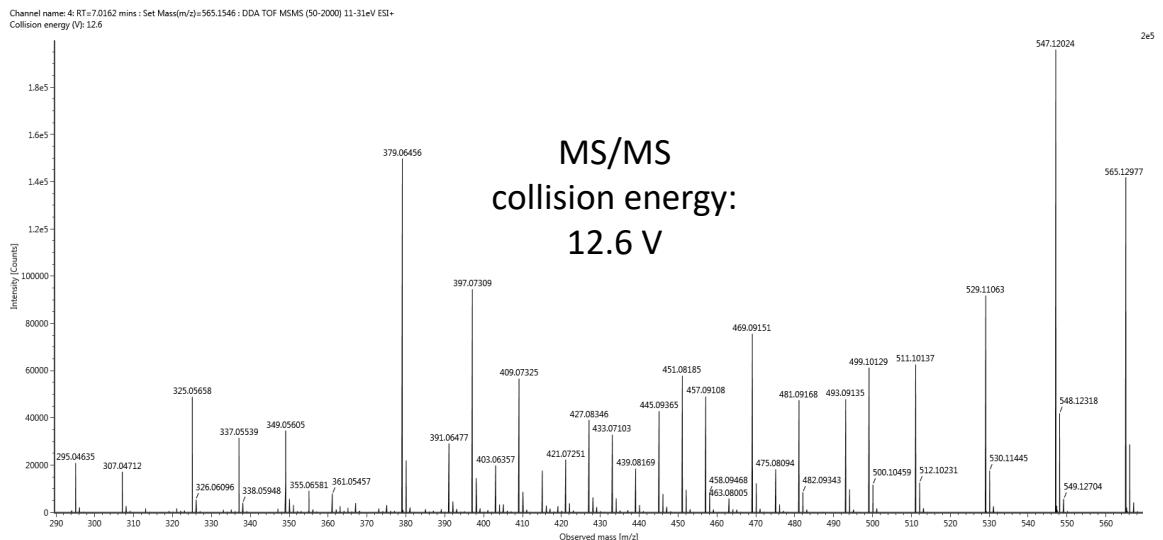
Channel name: 4: RT=6.8740 mins : Set Mass(m/z)=447.1690 : DDA TOF MSMS (50-1000)
 Collision energy (V): -14.2



Channel name: 4: RT=6.8895 mins : Set Mass(m/z)=447.0935 : DDA TOF MSMS (50-1000) -27--53eV ESI-
 Collision energy (V): -23.4

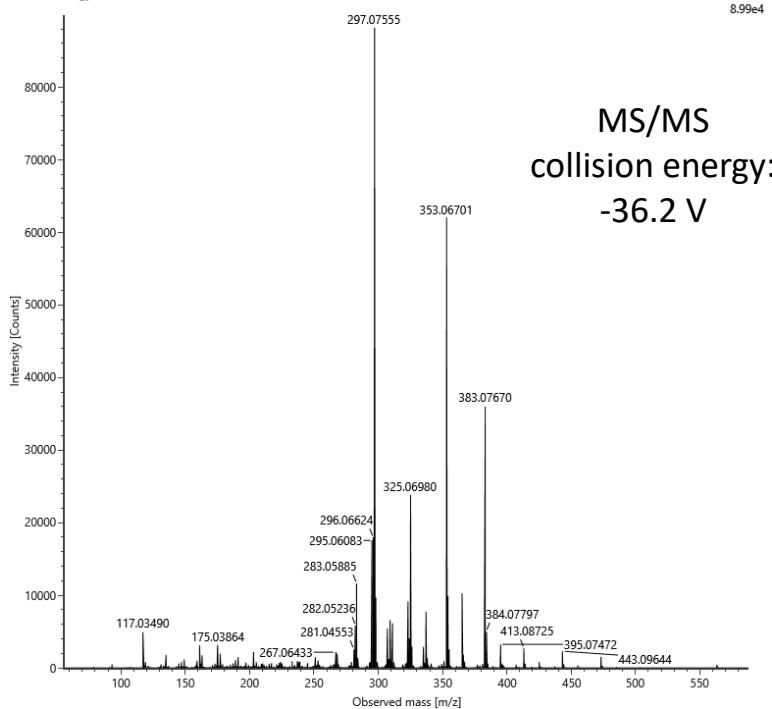


Compound name: isoschaftoside
ESI-MS mode: positive, Unispray ion source
***m/z* (experimental): 565.15527**

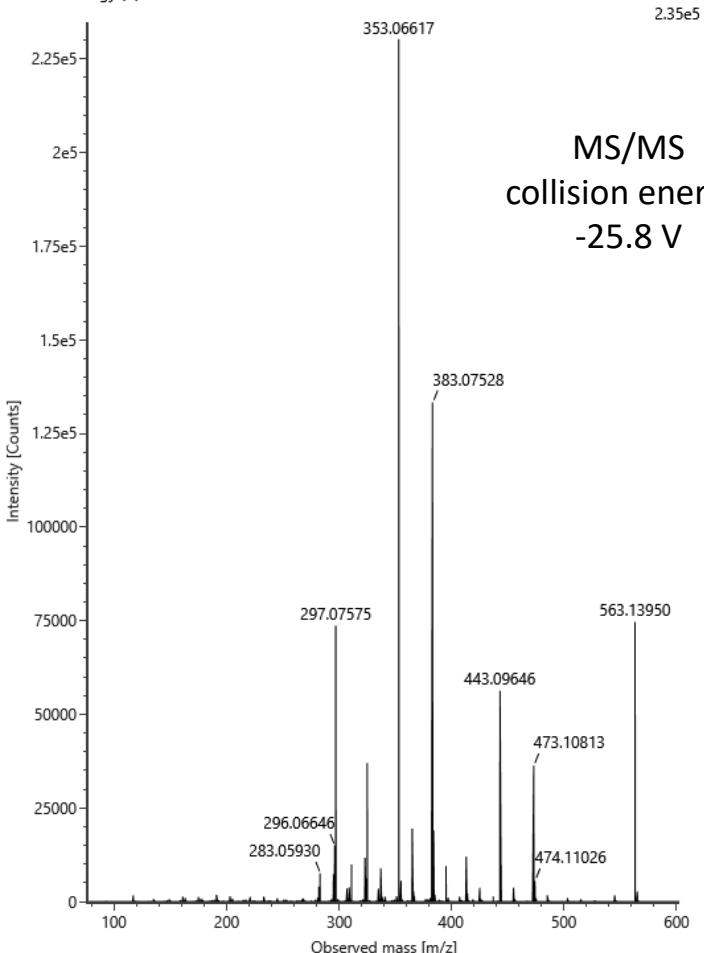


Compound name: isoschaftoside
ESI-MS mode: negative, Unispray ion source
m/z (experimental): 563.14050

Channel name: 4; RT=6.9852 mins ; Set Mass(*m/z*)=563.2233 : DDA TOF MSMS (50-1000) -36--67eV ESI-
Collision energy (V): -36.2

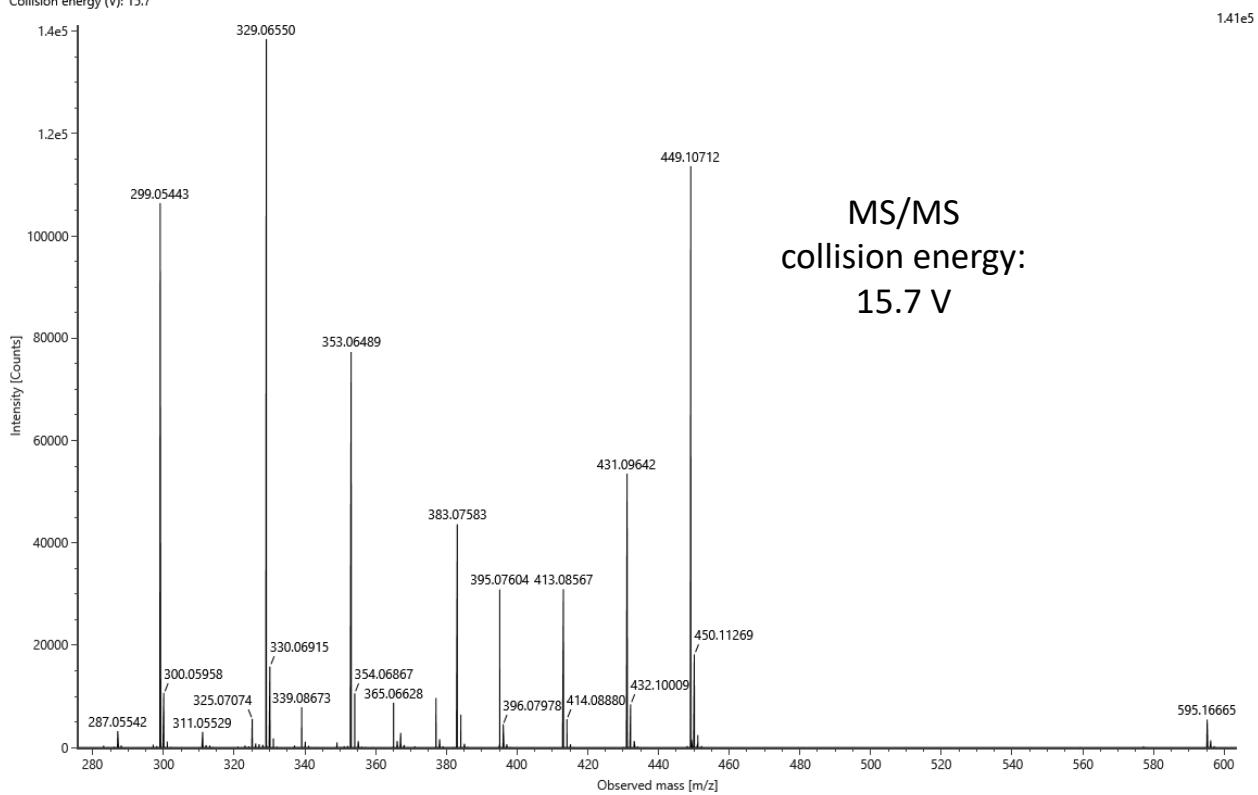


Channel name: 4; RT=6.9959 mins : Set Mass(*m/z*)=563.2216 : DDA TOF MSMS (50-1000) -...
Collision energy (V): -25.8

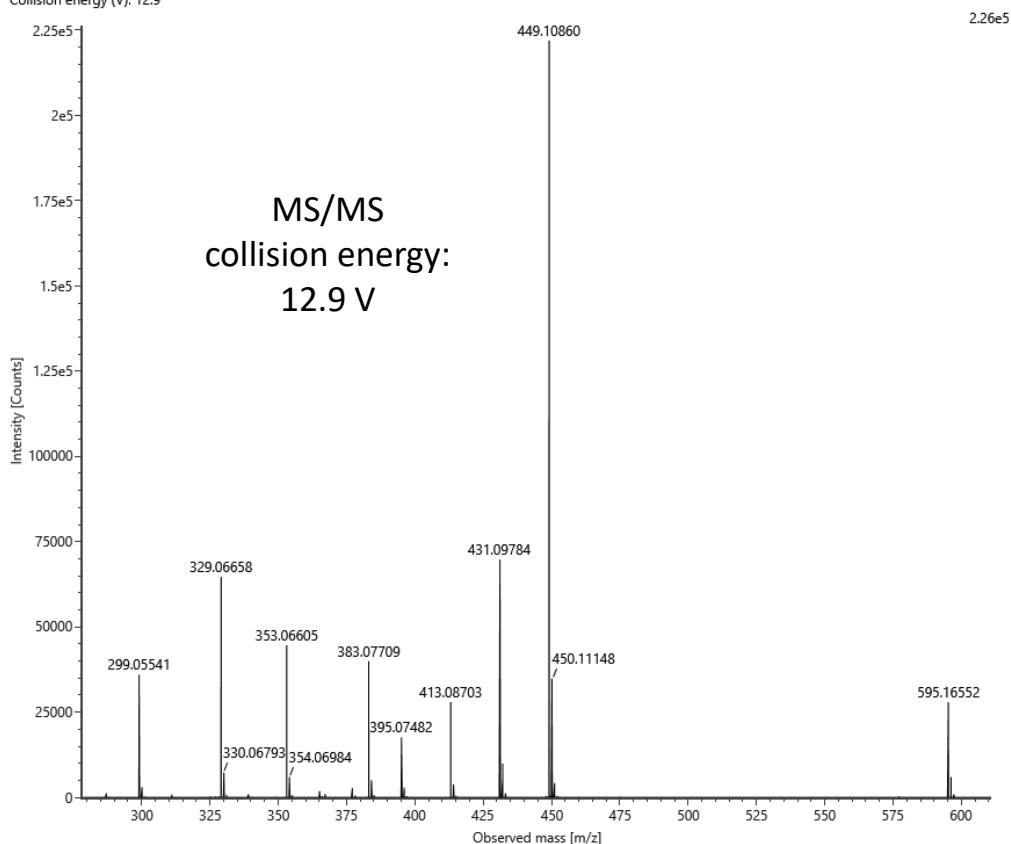


Compound name: isoorientin 6"-rhamnoside
ESI-MS mode: positive, Unispray ion source
m/z (experimental): 595.16599

Channel name: 4: RT=7.0614 mins : Set Mass(*m/z*)=595.1049 : DDA TOF MSMS (50-1000) 14-38eV ESI+
Collision energy (V): 15.7

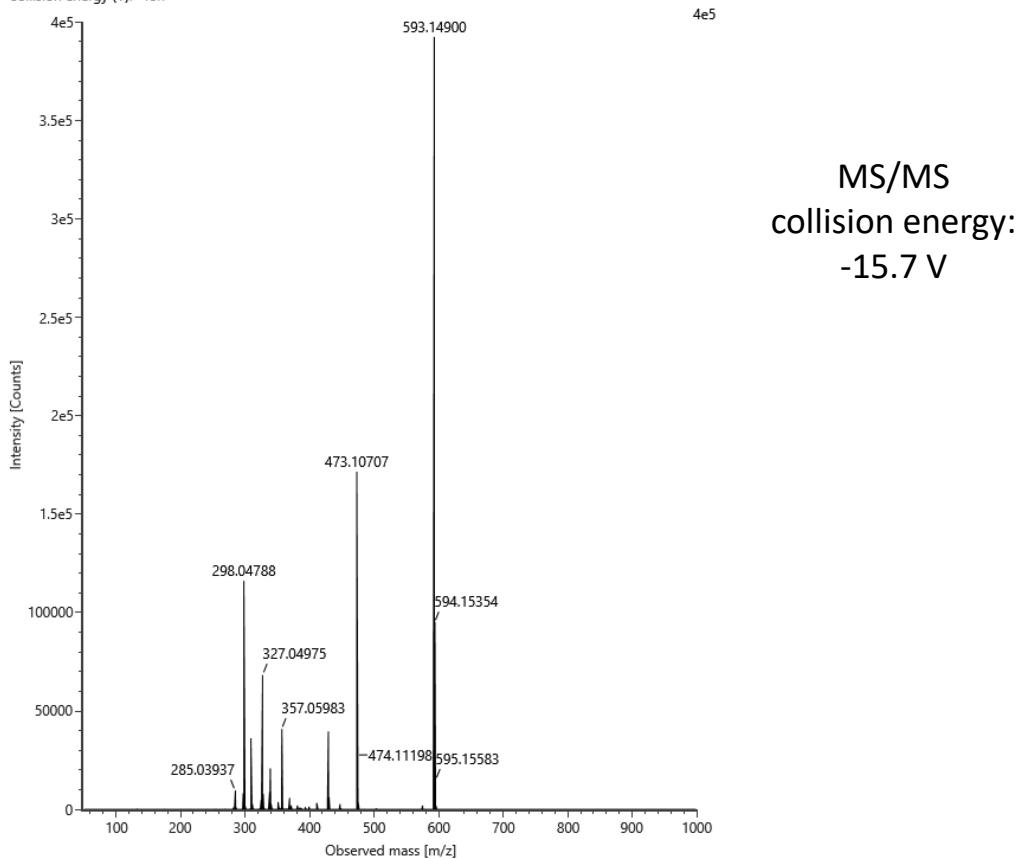


Channel name: 4: RT=7.0638 mins : Set Mass(*m/z*)=595.1041 : DDA TOF MSMS (50-1000) 12-28eV ESI+
Collision energy (V): 12.9

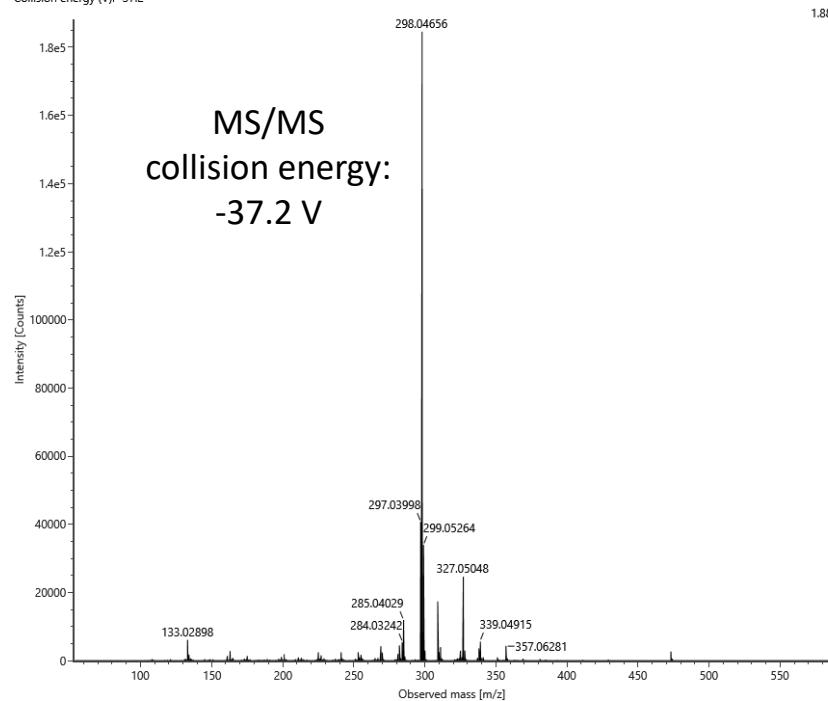


Compound name: isoorientin 6"-rhamnoside
ESI-MS mode: negative, Unispray ion source
m/z (experimental): 593.15087

Channel name: 4: RT=7.0515 mins : Set Mass(*m/z*)=593.1513 : DDA TOF MSMS (50-1000) -16--41eV ESI-
Collision energy (V): -15.7

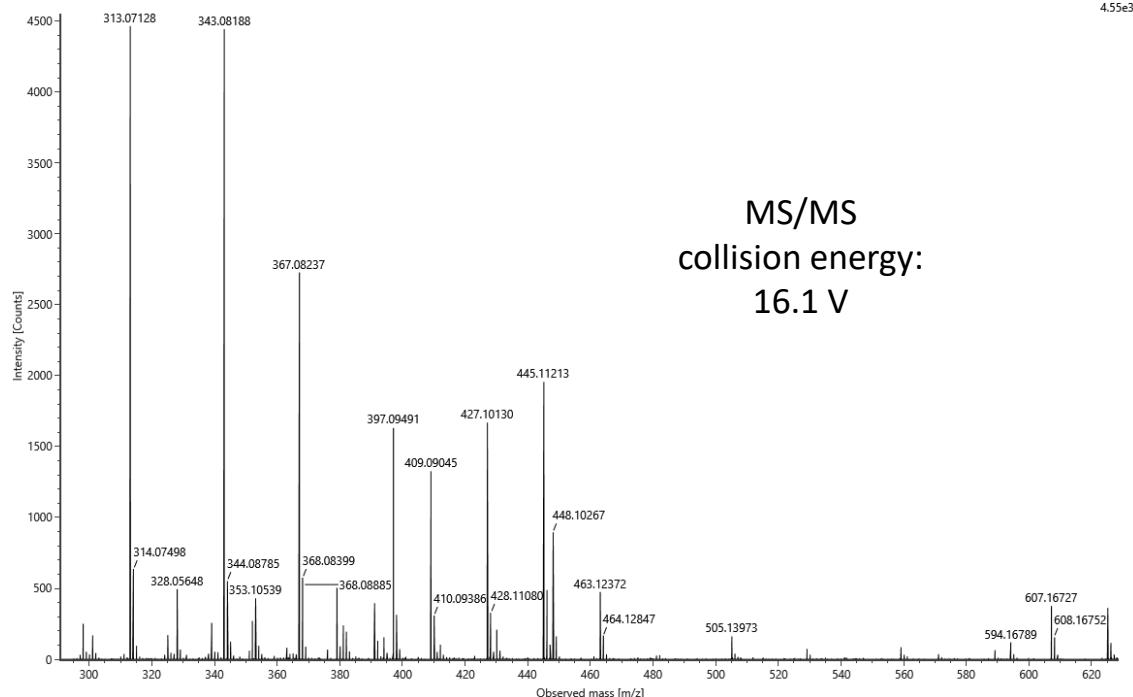


Channel name: 4: RT=7.0664 mins : Set Mass(*m/z*)=593.1517 : DDA TOF MSMS (50-1000) -37--68eV ESI-
Collision energy (V): -37.2

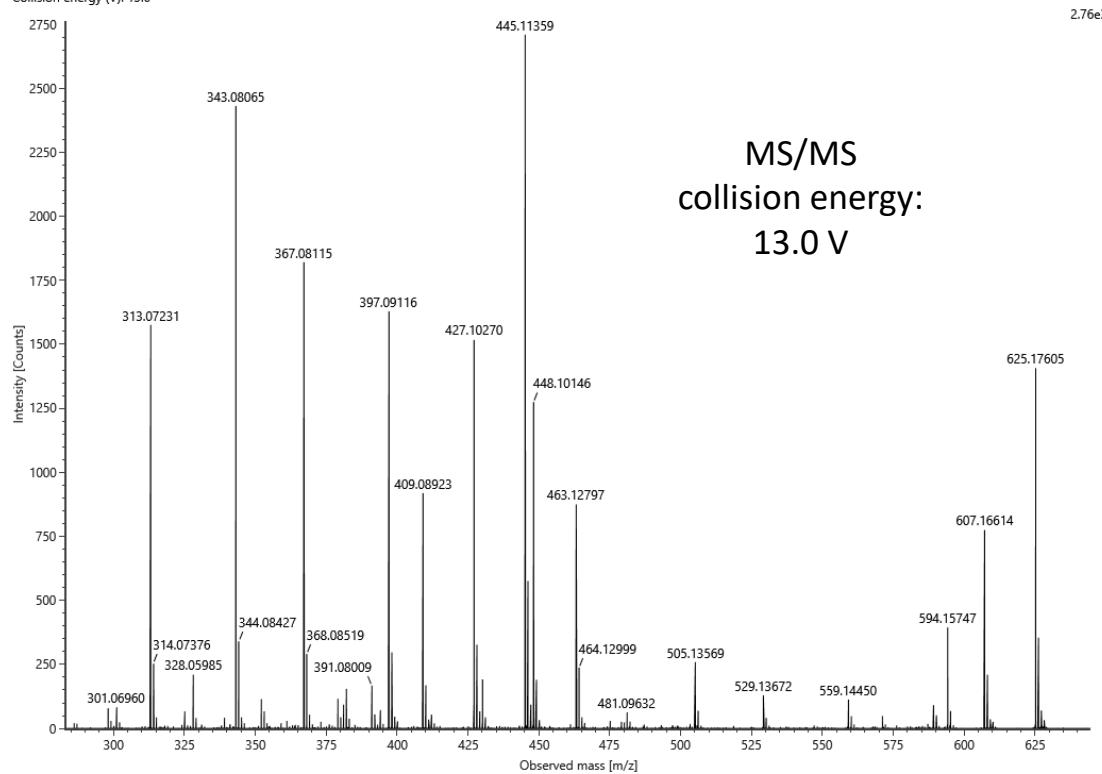


Compound name: isoscoparin-7-O-glucoside
ESI-MS mode: positive, Unispray ion source
m/z (experimental): 625.17585

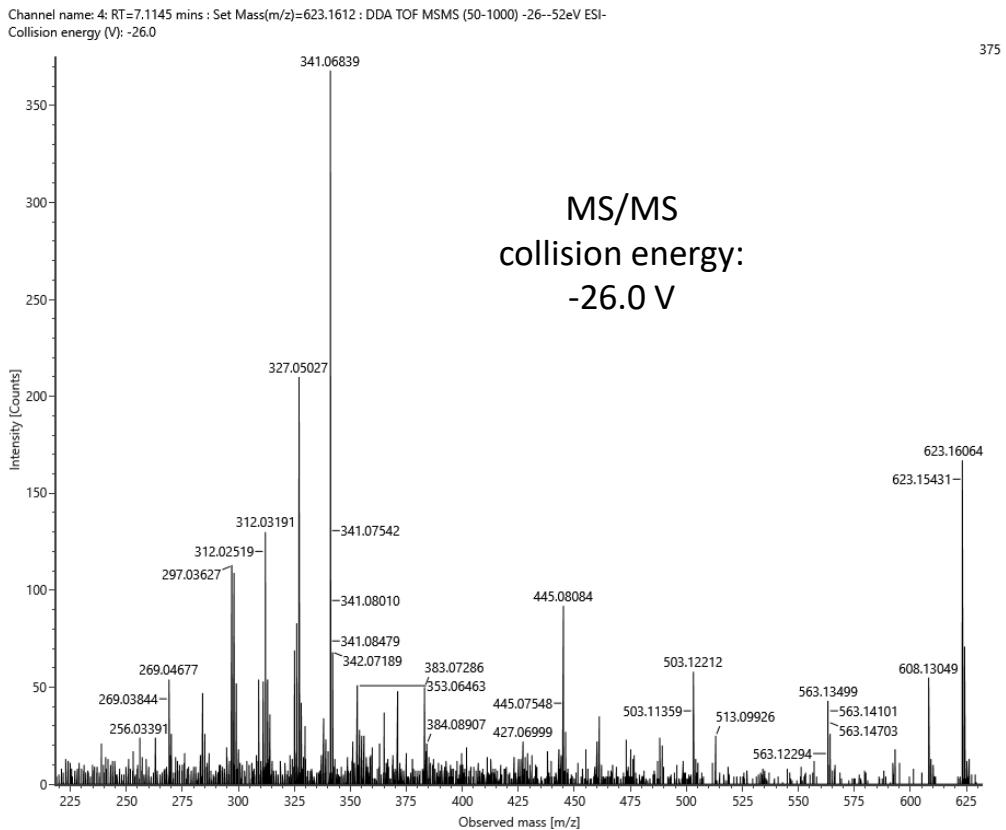
Channel name: 4: RT=7.0923 mins : Set Mass(*m/z*)=625.1762 : DDA TOF MSMS (50-1000) 14-38eV ESI+
Collision energy (V): 16.1



Channel name: 4: RT=7.0945 mins : Set Mass(*m/z*)=625.1754 : DDA TOF MSMS (50-1000) 12-28eV ESI+
Collision energy (V): 13.0

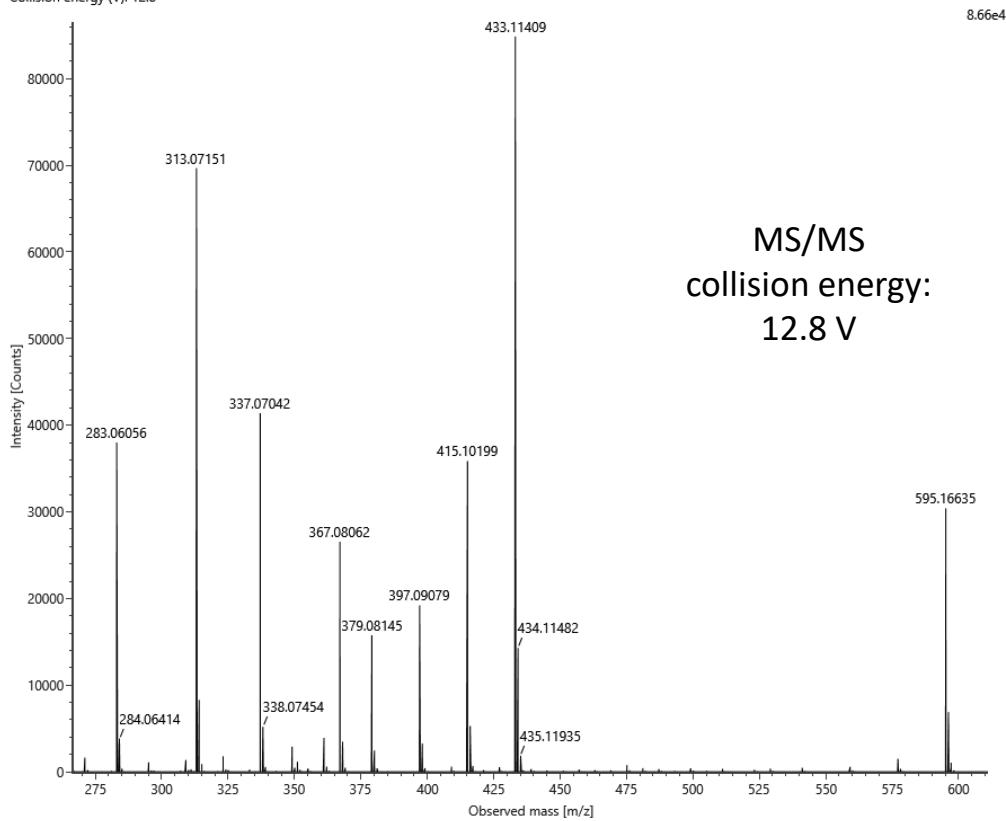


Compound name: isoscoparin-7-O-glucoside
ESI-MS mode: negative, Unispray ion source
m/z (experimental): 623.16144

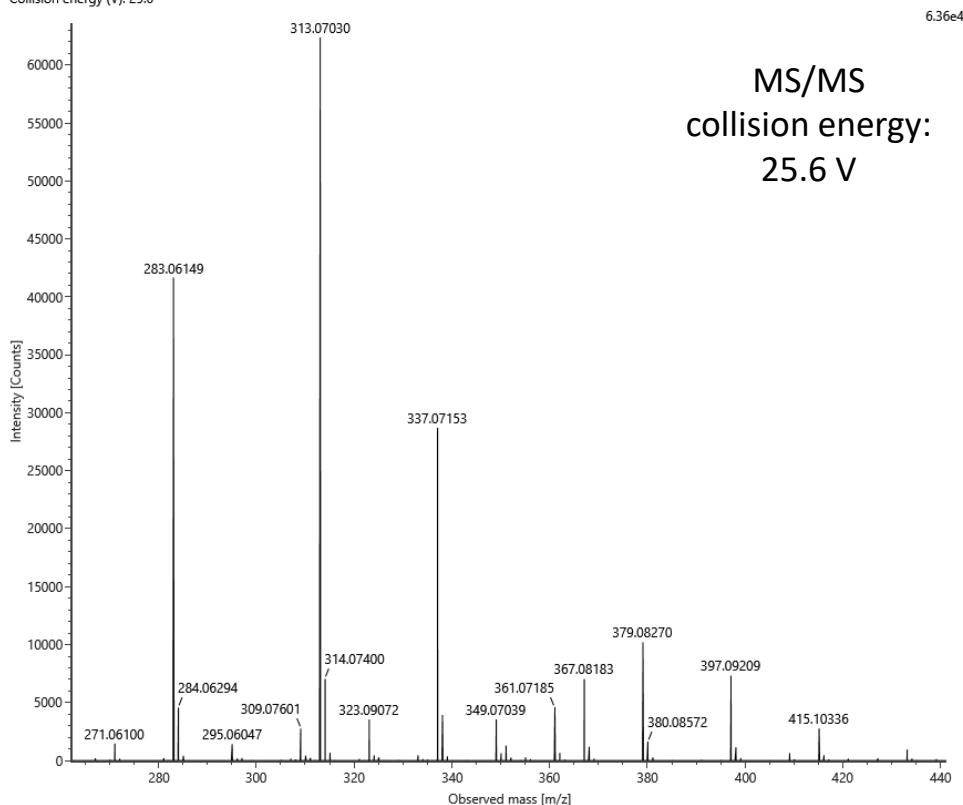


Compound name: isovitexin-2"-O-glucoside
ESI-MS mode: positive, Unispray ion source
m/z (experimental): 595.16536

Channel name: 4: RT=7.5963 mins : Set Mass(m/z)=595.1096 : DDA TOF MSMS (50-2000) 11-31eV ESI+
Collision energy (V): 12.8

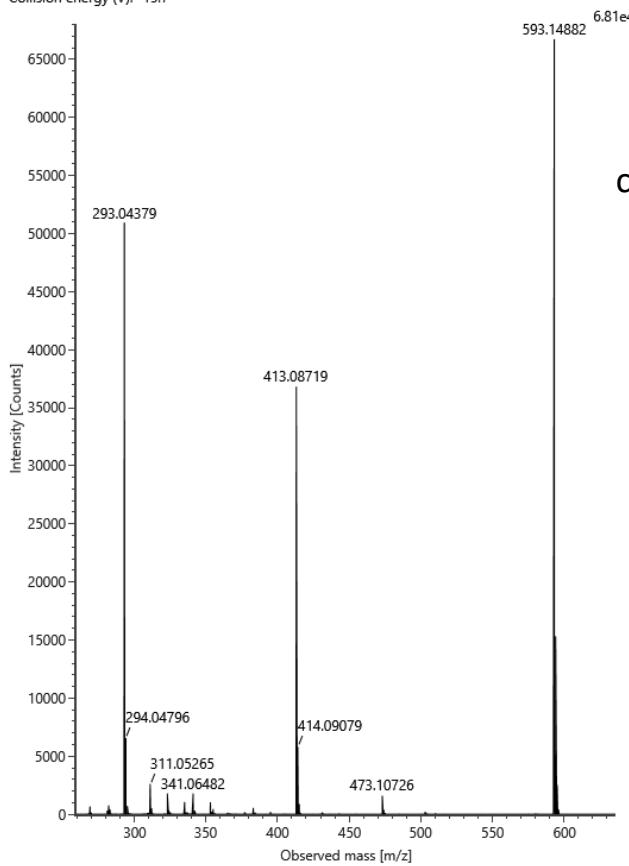


Channel name: 4: RT=7.5895 mins : Set Mass(m/z)=595.1120 : DDA TOF MSMS (50-2000) 30-45eV ESI+
Collision energy (V): 25.6



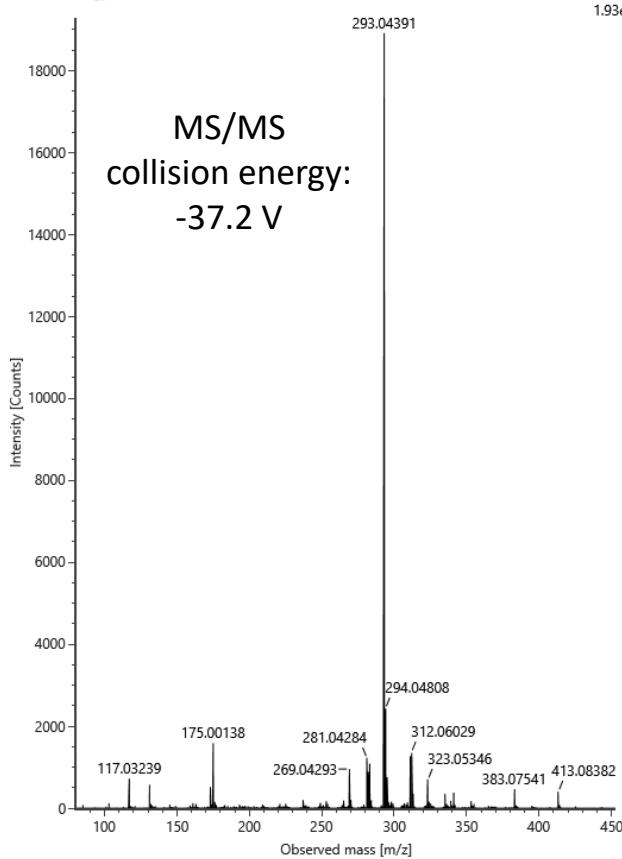
Compound name: isovitexin-2"-O-glucoside
 ESI-MS mode: negative, Unispray ion source
 m/z (experimental): 593.15155

Channel name: 4: RT=7.6035 mins : Set Mass(m/z)=593.1499 : DDA TOF MSMS (50-1000) ...
 Collision energy (V): -15.7



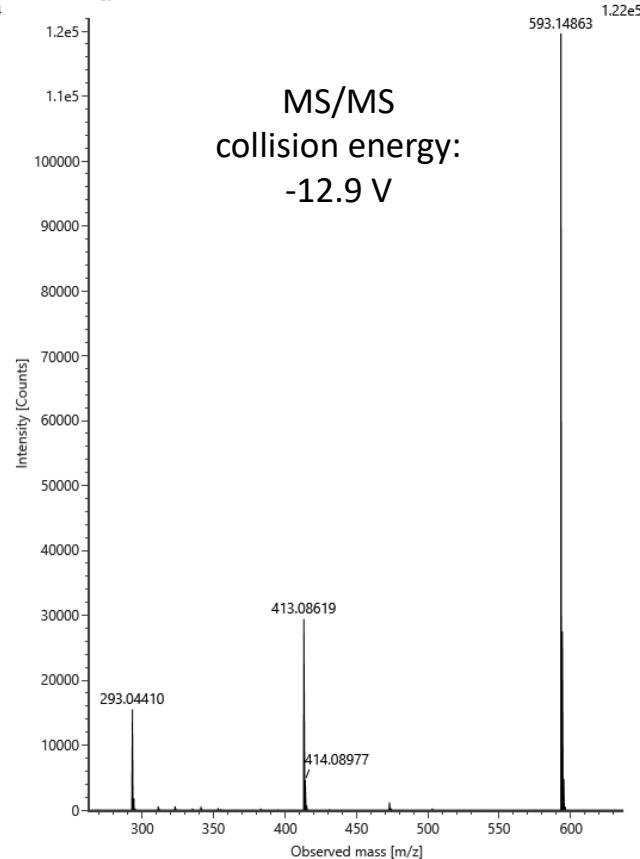
MS/MS
 collision energy:
-15.7 V

Channel name: 4: RT=7.6007 mins : Set Mass(m/z)=593.2367 : DDA TOF MSMS (50-1000) ...
 Collision energy (V): -37.2



MS/MS
 collision energy:
-37.2 V

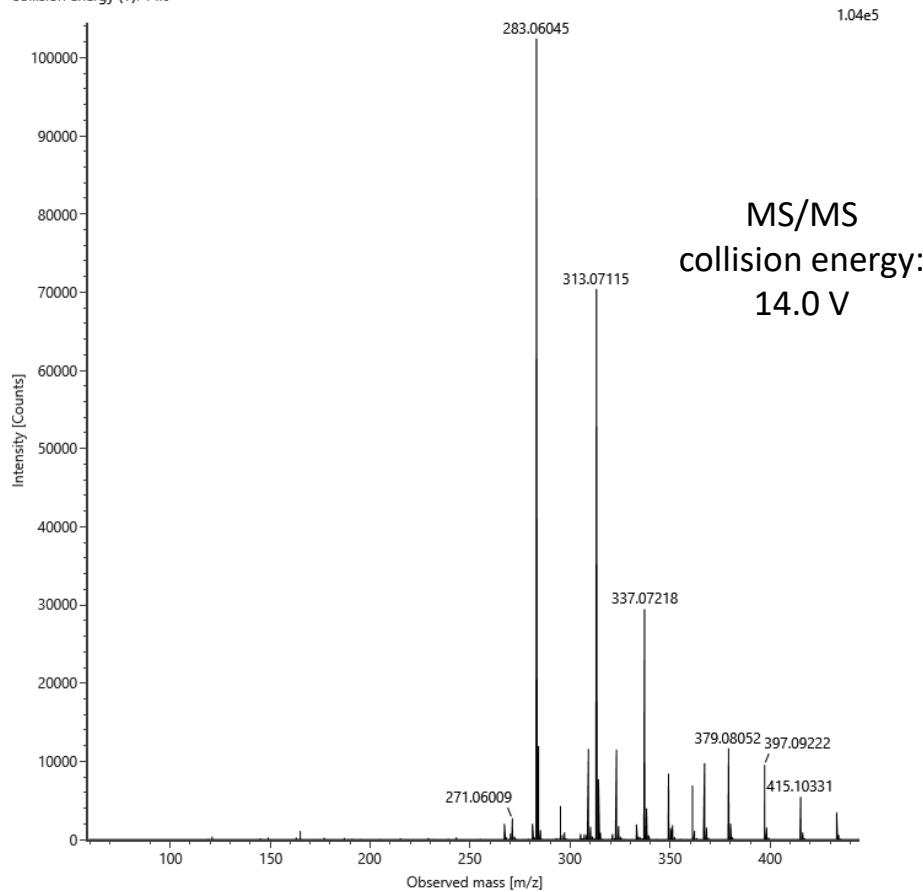
Channel name: 4: RT=7.6002 mins : Set Mass(m/z)=593.2435 : DDA TOF MSMS (50-1000) ...
 Collision energy (V): -12.9



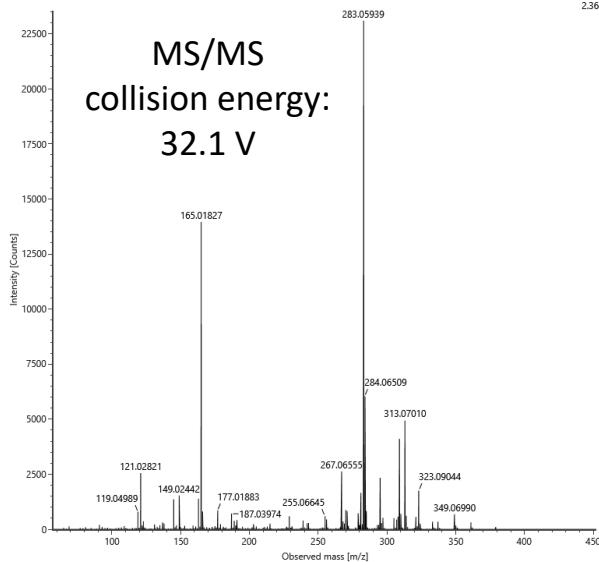
MS/MS
 collision energy:
-12.9 V

Compound name: isovitexin
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 433.11284

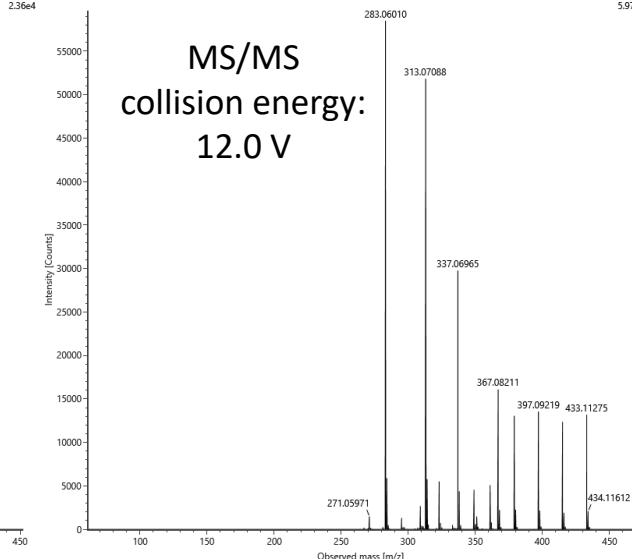
Channel name: 4: RT=8.0575 mins : Set Mass(m/z)=433.1130 : DDA TOF MSMS (50-1000) 14-38eV ESI+
 Collision energy (V): 14.0



Channel name: 4: RT=8.0606 mins : Set Mass(m/z)=433.1117 : DDA TOF MSMS (50-1000) 31-59eV ESI+
 Collision energy (V): 32.1

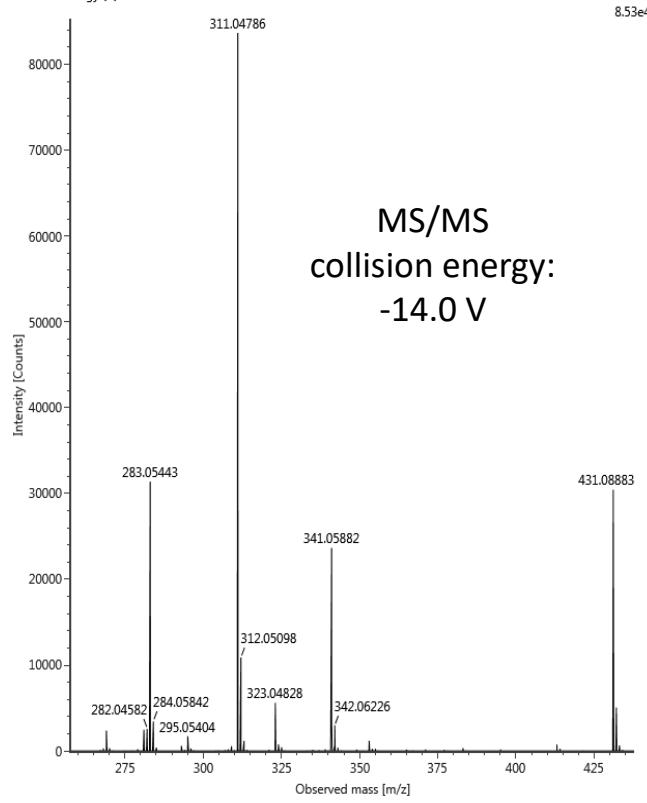


Channel name: 4: RT=8.0605 mins : Set Mass(m/z)=433.1133 : DDA TOF MSMS (50-1000) 12-28eV ESI+
 Collision energy (V): 12.0

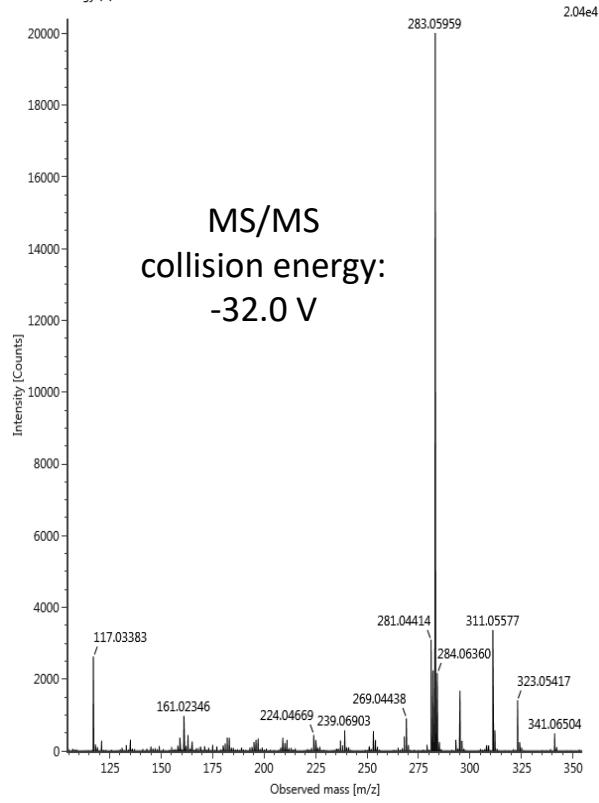


Compound name: isovitexin
 ESI-MS mode: negative, Unispray ion source
 m/z (experimental): 431.09853

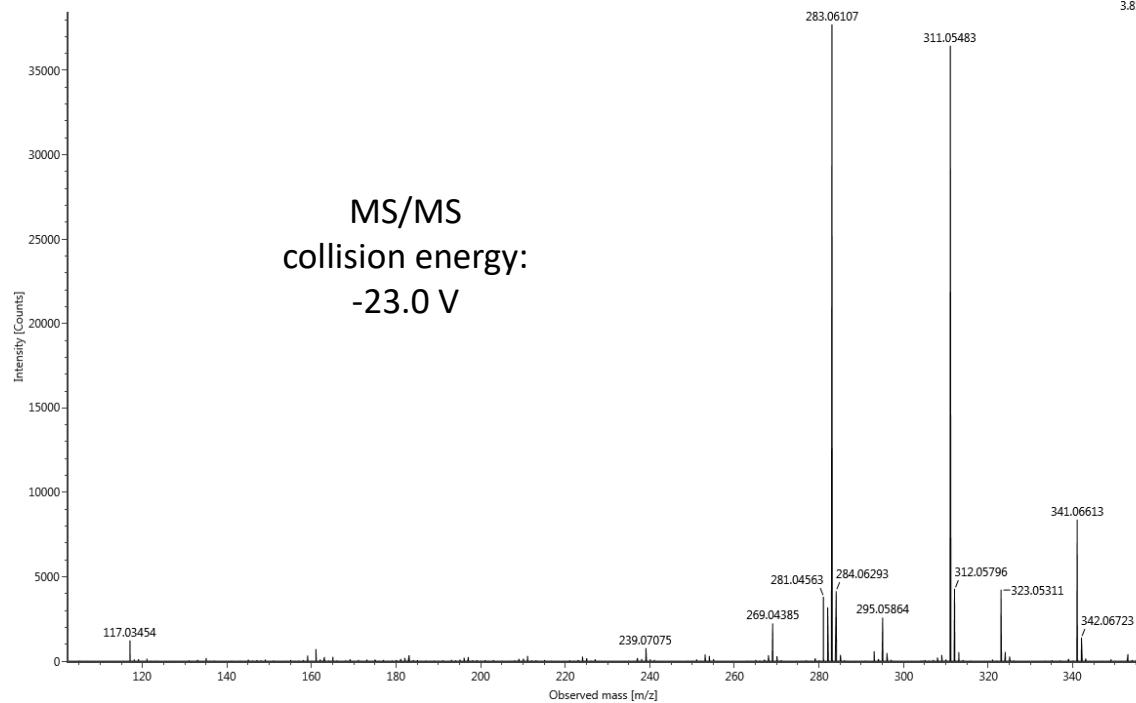
Channel name: 4: RT=8.0630 mins : Set Mass(m/z)=431.1695 : DDA TOF MSMS (50-1000) -16--42eV ESI-
 Collision energy (V): -14.0



Channel name: 4: RT=8.0575 mins : Set Mass(m/z)=431.1666 : DDA TOF MSMS (50-1000) -38--69eV ESI-
 Collision energy (V): -32.0

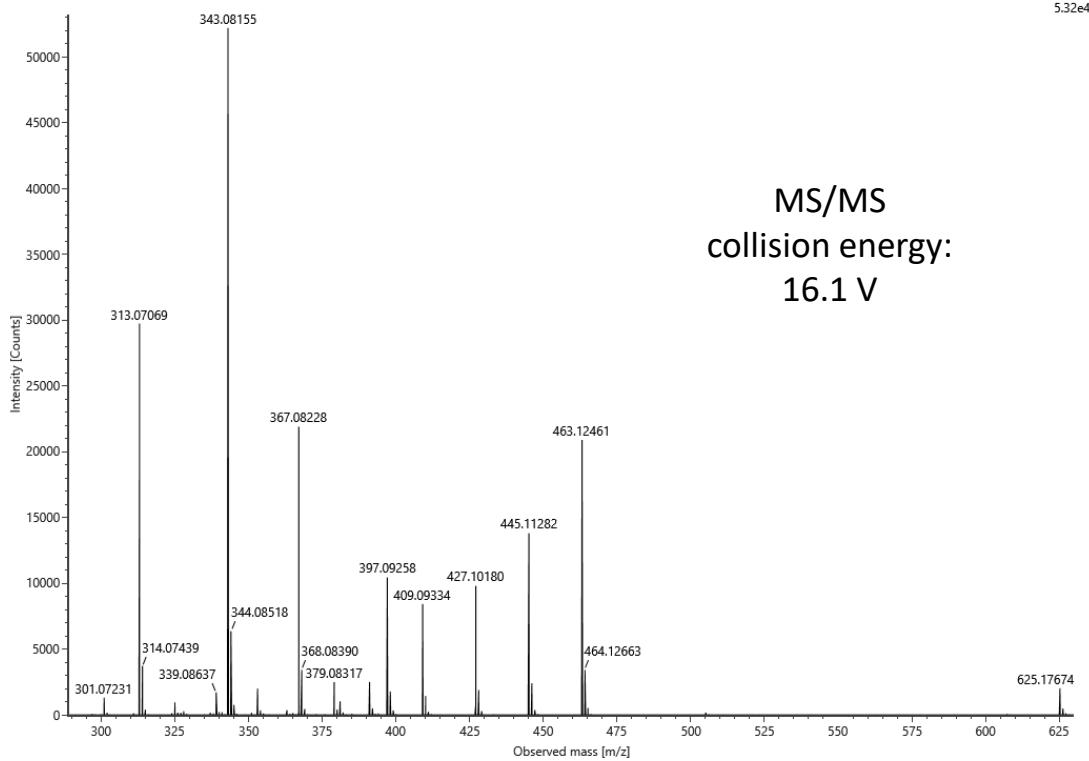


Channel name: 4: RT=8.0772 mins : Set Mass(m/z)=431.0994 : DDA TOF MSMS (50-1000) -27--53eV ESI-
 Collision energy (V): -23.0

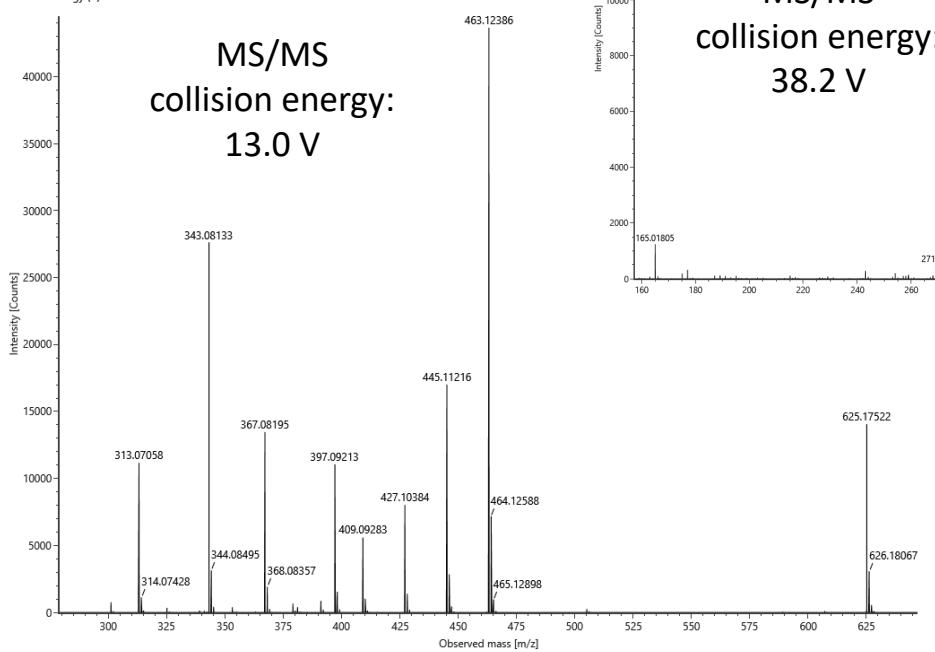


Compound name: isoscoparin-2"-O-glucoside
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 625.17628

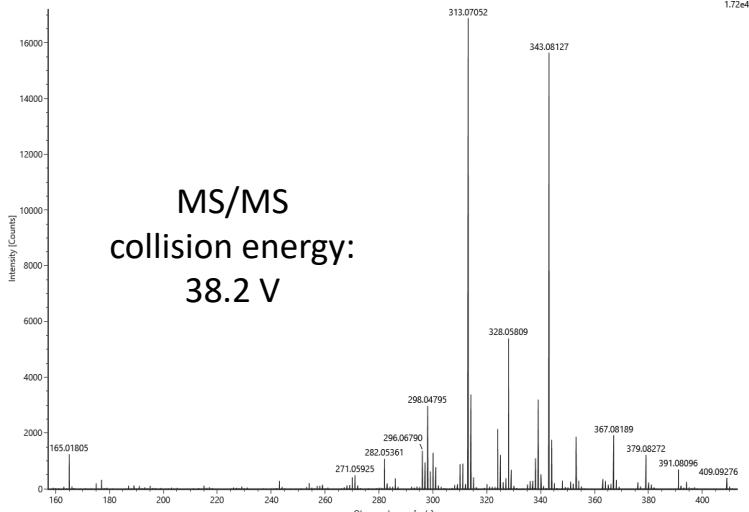
Channel name: 4: RT=8.0896 mins : Set Mass(m/z)=625.1780 : DDA TOF MSMS (50-1000) 15-40eV ESI+
 Collision energy (V): 16.1



Channel name: 4: RT=8.0869 mins : Set Mass(m/z)=625.1220 : DDA TOF MSMS (50-1000) 13-30eV ESI+
 Collision energy (V): 13.0

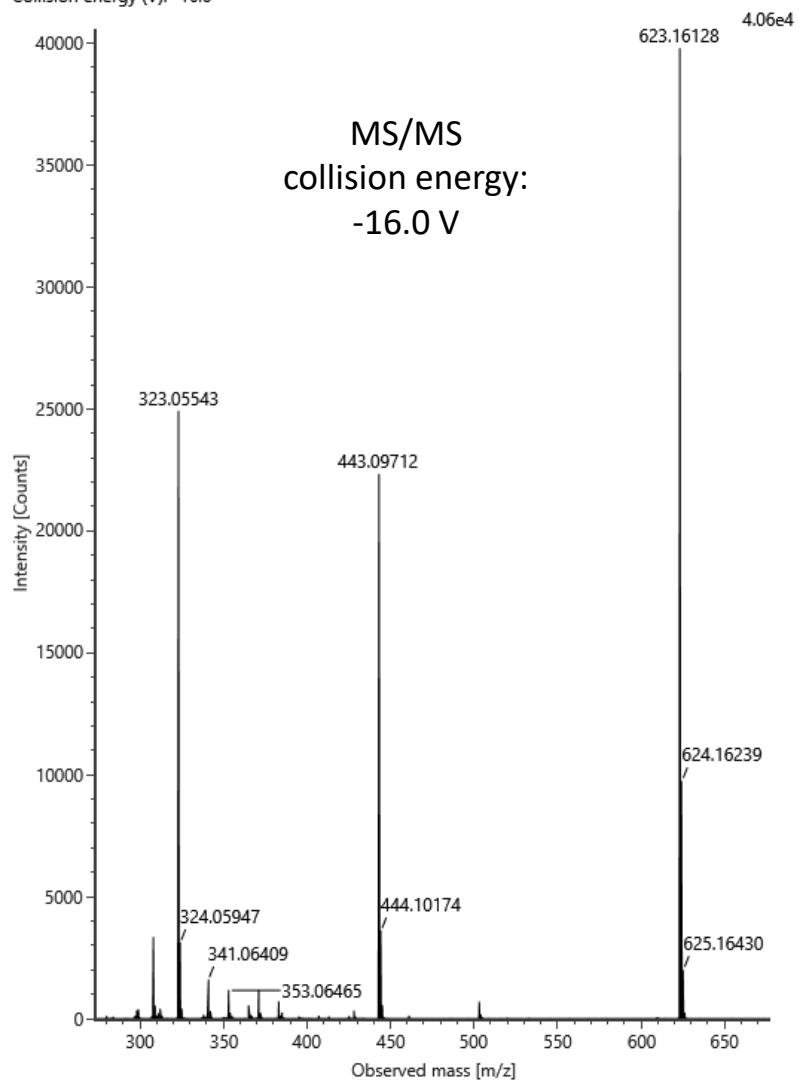


Channel name: 4: RT=8.0915 mins : Set Mass(m/z)=625.1756 : DDA TOF MSMS (50-1000) 36-66eV ESI+
 Collision energy (V): 38.2



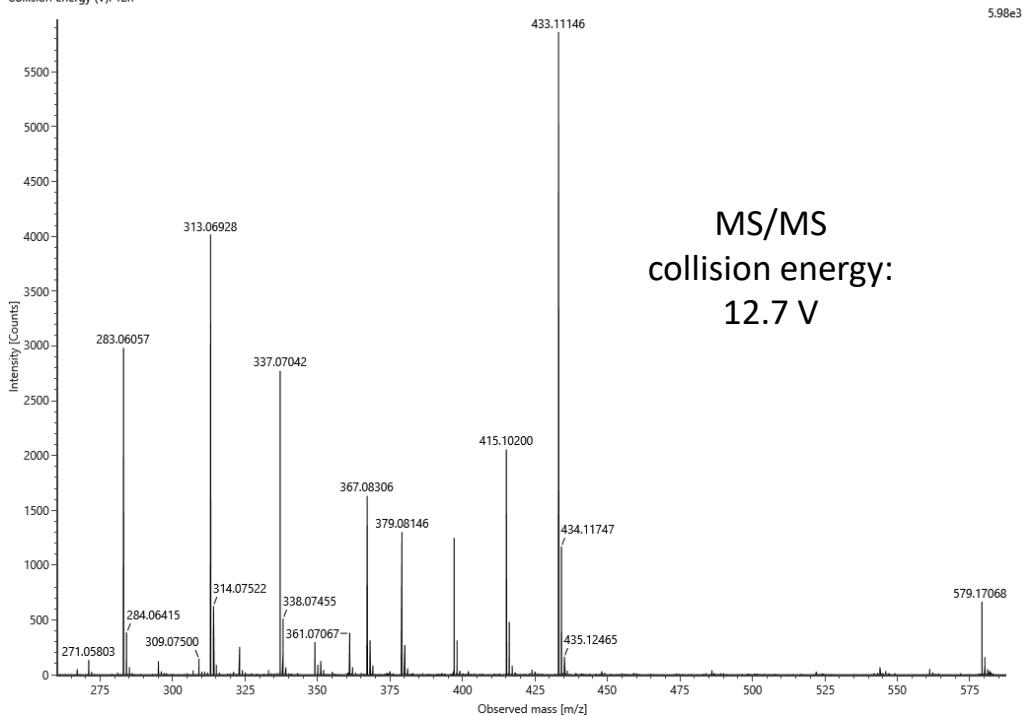
Compound name: isoscoparin-2"-O-glucoside
ESI-MS mode: negative, Unispray ion source
m/z (experimental): 623.16157

Channel name: 4: RT=8.0764 mins : Set Mass(*m/z*)=623.2441 : DDA TOF MSMS (50-1000) -...
Collision energy (V): -16.0

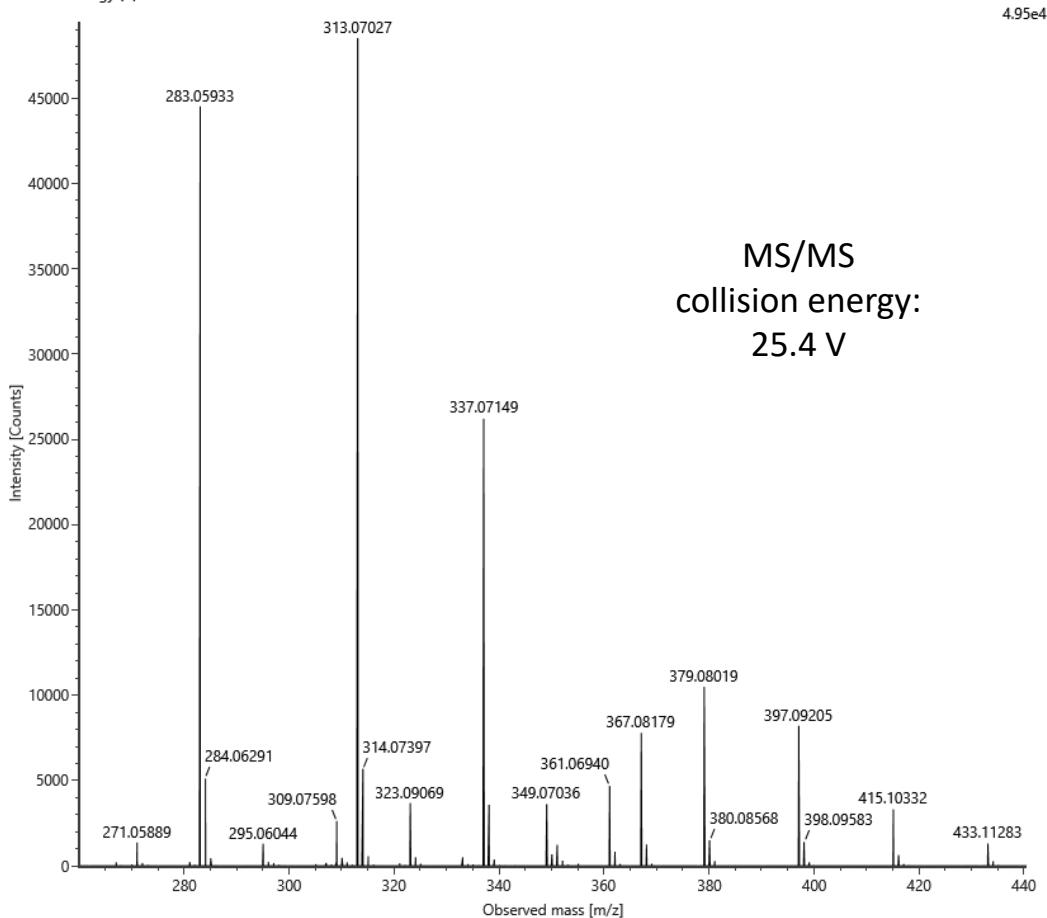


Compound name: isovitexin-2-O-rhamnoside
ESI-MS mode: positive, Unispray ion source
m/z (experimental): 579.17094

Channel name: 4: RT=8.0887 mins : Set Mass(*m/z*)=579.1705 : DDA TOF MSMS (50-2000) 11-31eV ESI+
Collision energy (V): 12.7

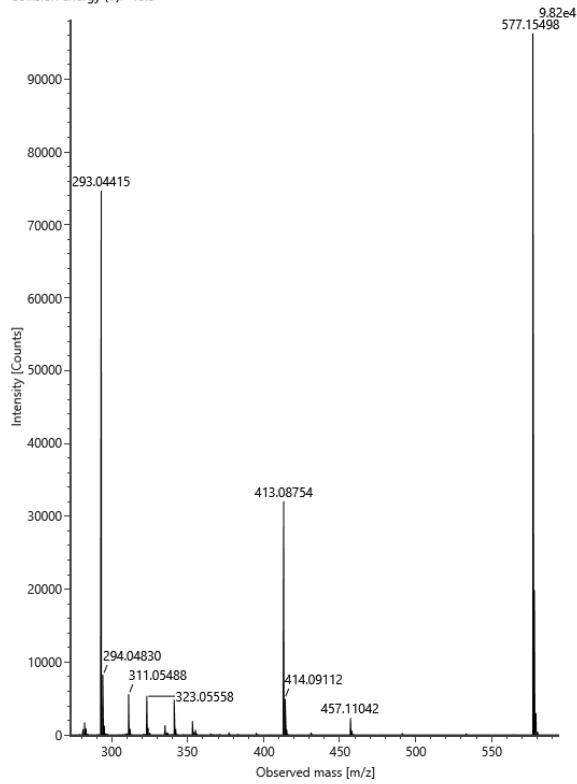


Channel name: 4: RT=8.1189 mins : Set Mass(*m/z*)=579.1178 : DDA TOF MSMS (50-2000) 30-45eV ESI+
Collision energy (V): 25.4



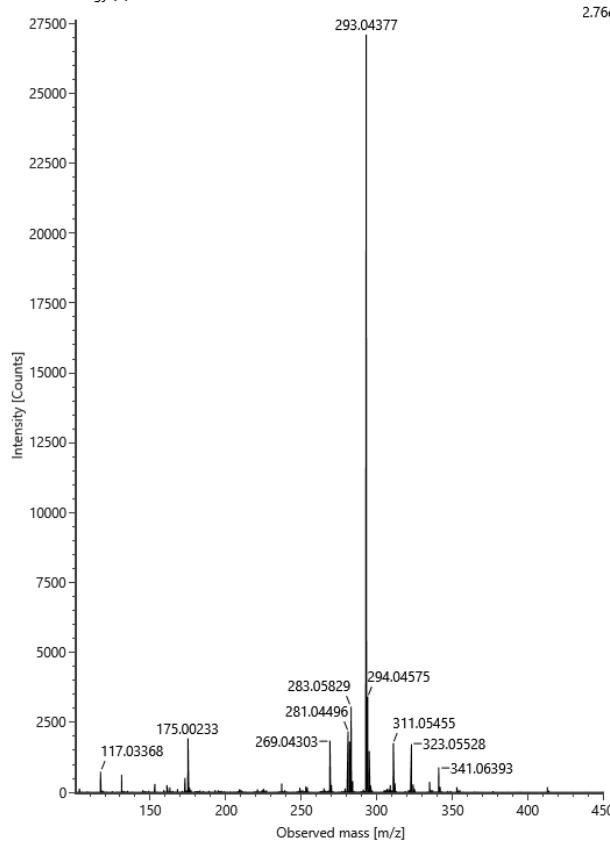
Compound name: isovitexin-2-O-rhamnoside
ESI-MS mode: negative, Unispray ion source
m/z (experimental): 577.15639

Channel name: 4: RT=8.1156 mins : Set Mass(*m/z*)=577.1561 : DDA TOF MSMS (50-1000) ~...
Collision energy (V): -15.5



MS/MS
collision energy:
-15.5 V

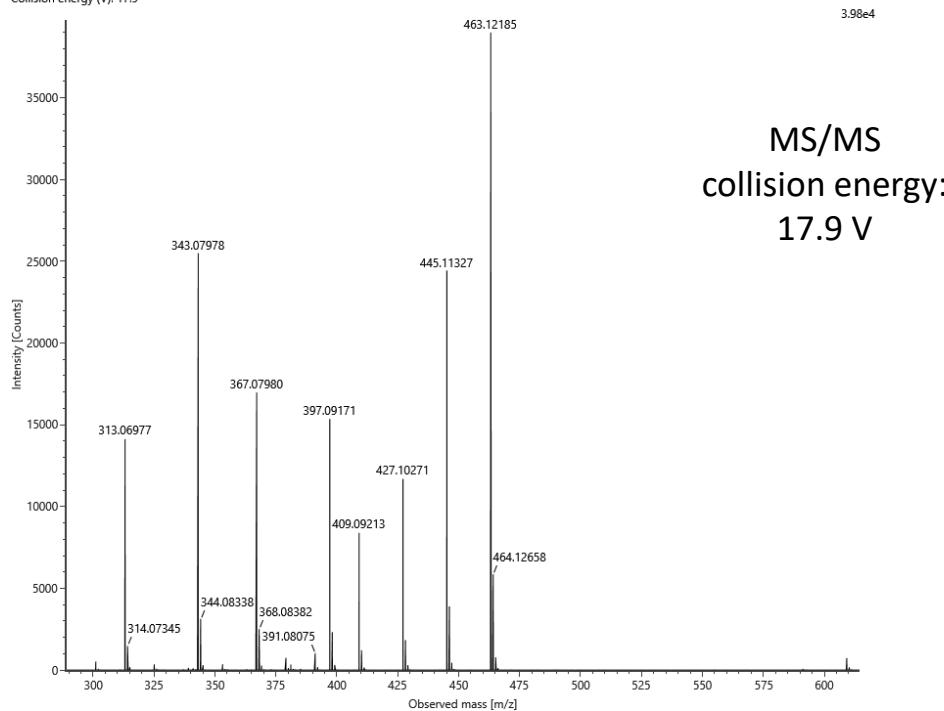
Channel name: 4: RT=8.1155 mins : Set Mass(*m/z*)=577.2343 : DDA TOF MSMS (50-1000) ~...
Collision energy (V): -36.6



MS/MS
collision energy:
-36.6 V

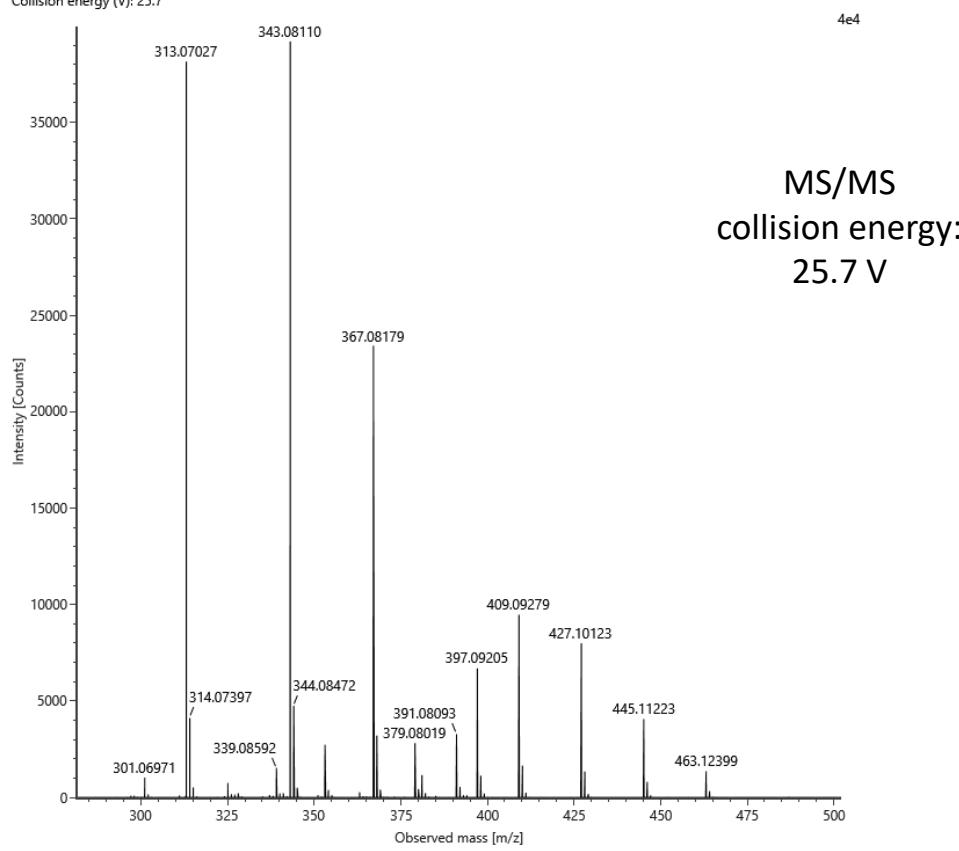
Compound name: C-hexosyl-chrysoeriol O-rhamnoside
 ESI-MS mode: positive, Unispray ion source
 m/z (experimental): 609.18146

Channel name: 4: RT=8.6453 mins : Set Mass(m/z)=609.1812 : DDA TOF MSMS (50-2000) 20-35eV ESI+
 Collision energy (V): 17.9



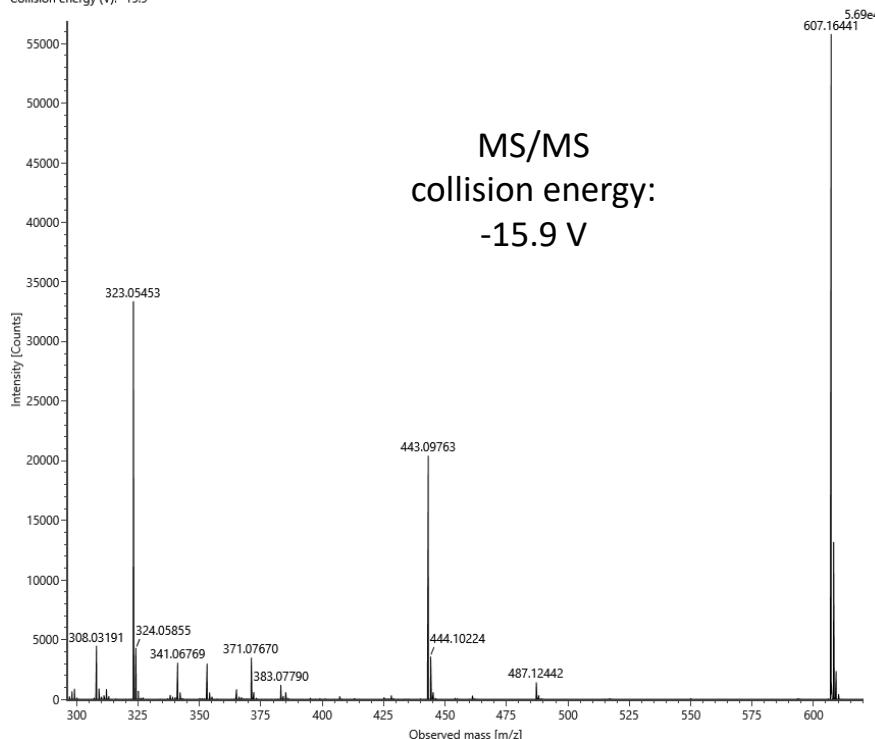
MS/MS
 collision energy:
 17.9 V

Channel name: 4: RT=8.6251 mins : Set Mass(m/z)=609.1279 : DDA TOF MSMS (50-2000) 30-45eV ESI+
 Collision energy (V): 25.7

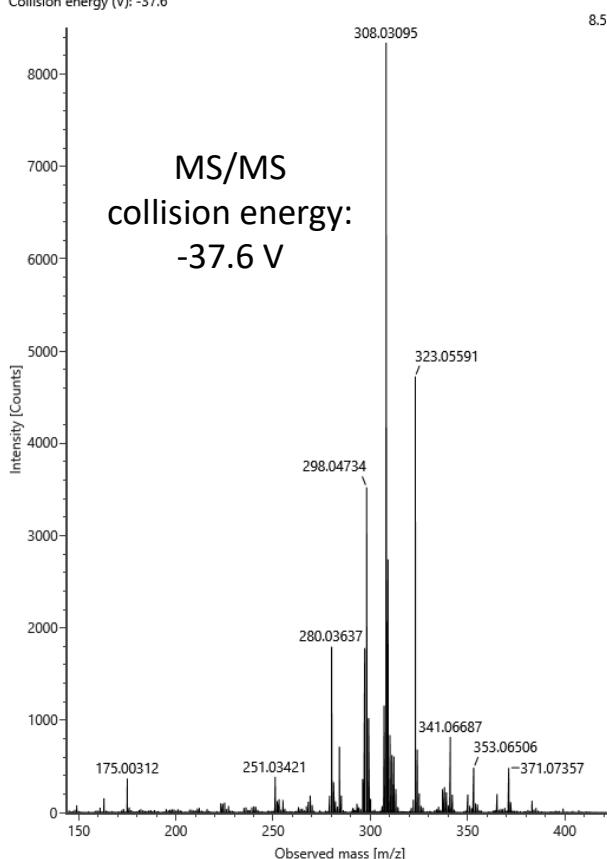


Compound name: C-hexosyl-chrysoeriol O-rhamnoside
 ESI-MS mode: negative, Unispray ion source
 m/z (experimental): 607.16634

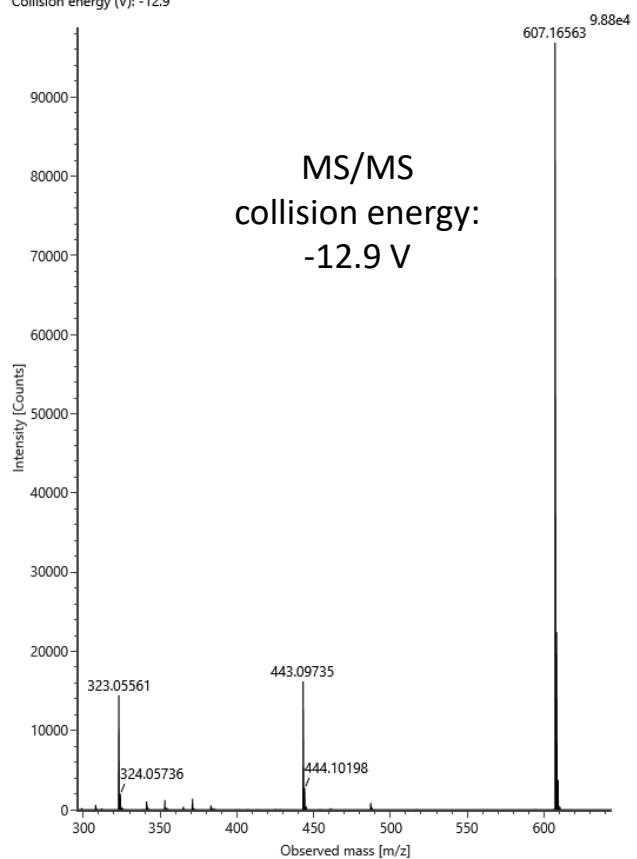
Channel name: 4: RT=8.6249 mins : Set Mass(m/z)=607.1673 : DDA TOF MSMS (50-1000) -11--33eV ESI-
 Collision energy (V): -15.9



Channel name: 4: RT=8.6321 mins : Set Mass(m/z)=607.1669 : DDA TOF MSMS (50-1000) ...
 Collision energy (V): -37.6



Channel name: 4: RT=8.6097 mins : Set Mass(m/z)=607.2556 : DDA TOF MSMS (50-1000) ...
 Collision energy (V): -12.9



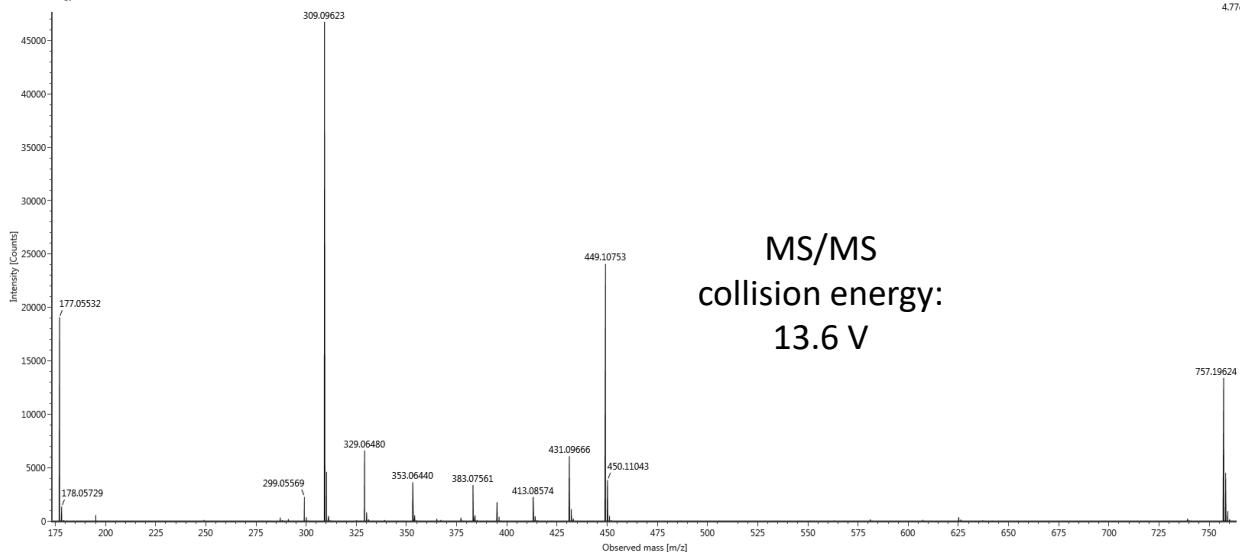
Compound name: C-hexosyl-luteolin O-feruloylpentoside

ESI-MS mode: positive, Unispray ion source

m/z (experimental): 757.19699

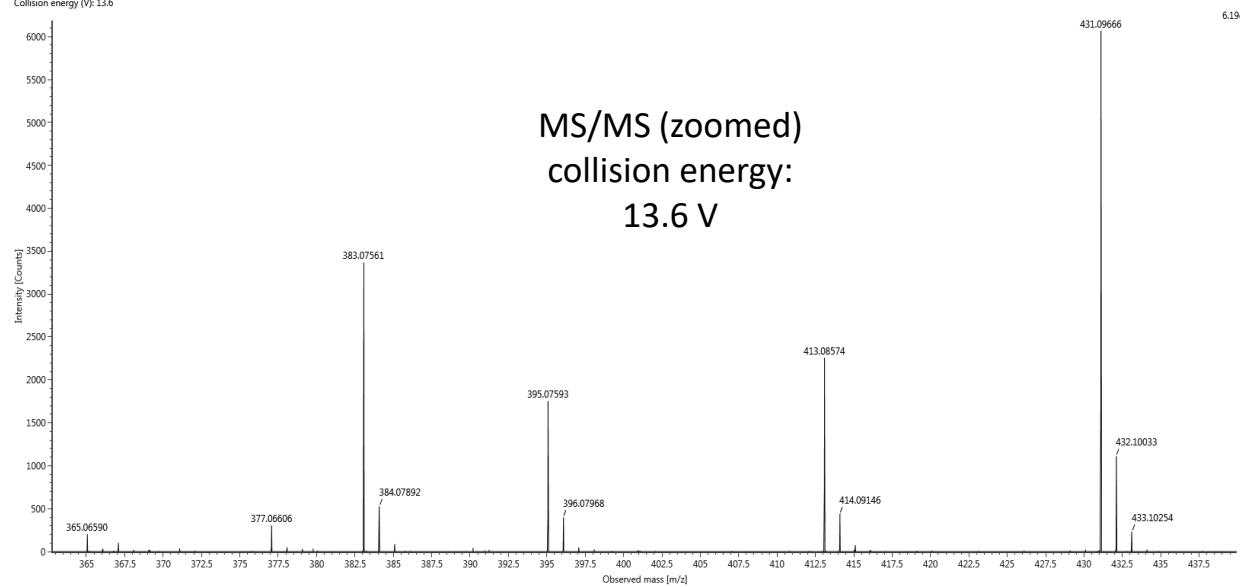
Channel name: 4; RT=9.6968 mins ; Set Mass(*m/z*)=757.1956 ; DDA TOF MSMS (50-2000) 14-37eV ESI+
Collision energy (V): 13.6

4.77e4



Channel name: 4; RT=9.6968 mins ; Set Mass(*m/z*)=757.1956 ; DDA TOF MSMS (50-2000) 14-37eV ESI+
Collision energy (V): 13.6

6.19e3

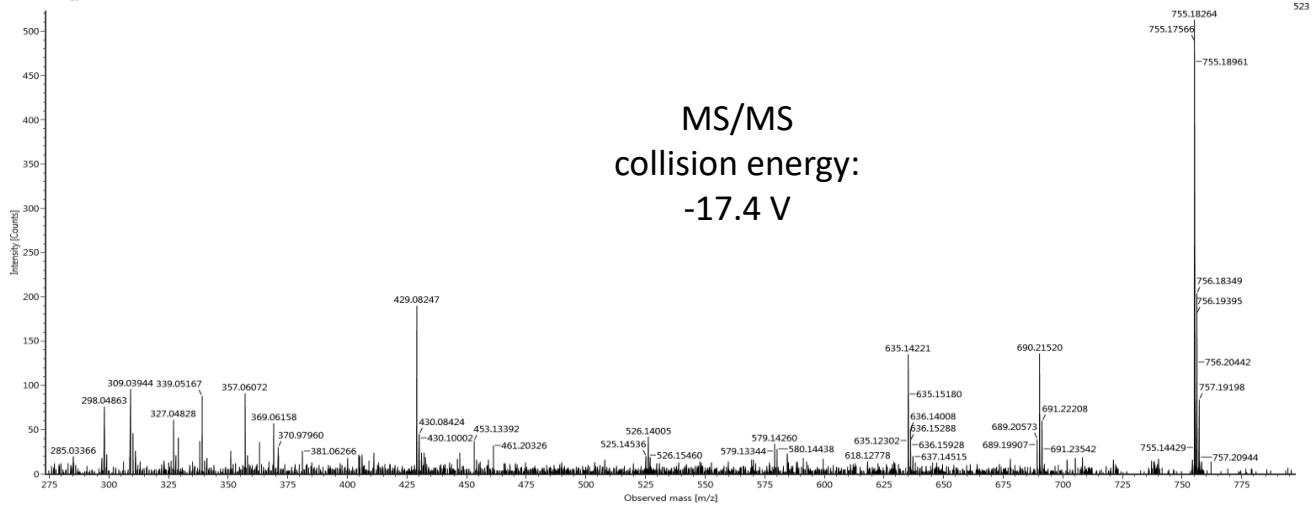


Compound name: C-hexosyl-luteolin O-feruloylpentoside

ESI-MS mode: negative, Unispray ion source

m/z (experimental): 755.18230

Channel name: 4; RT=9.6909 mins : Set Mass(*m/z*)=755.1834 ; DDA TOF MSMS (50-1000) -16--42eV ESI-
Collision energy (V): -17.4

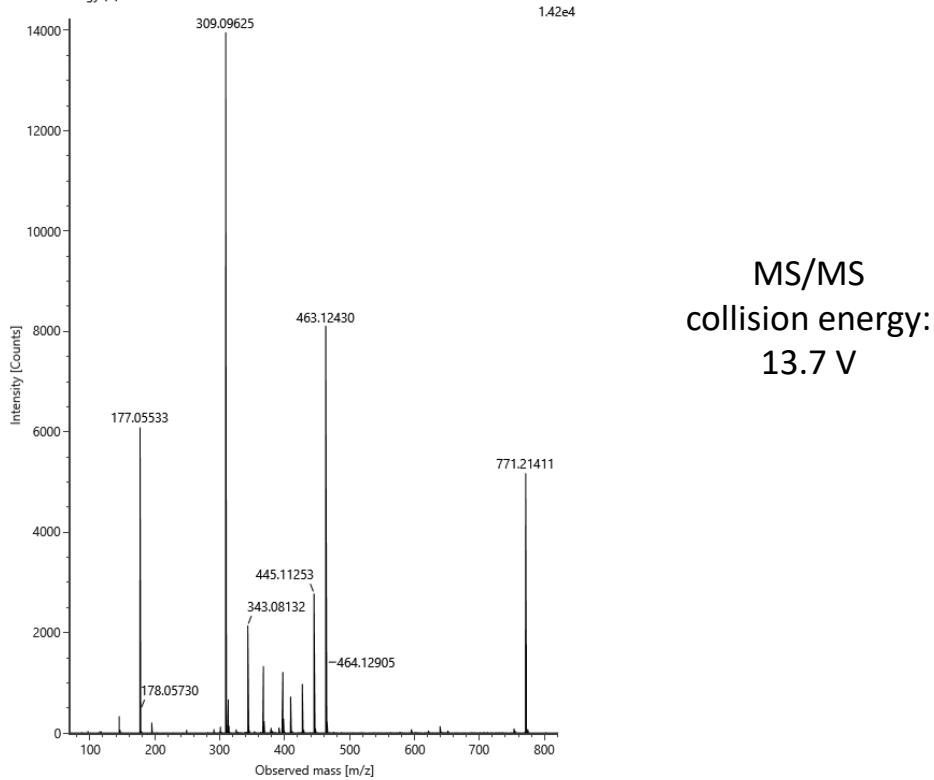


Compound name: isovitexin 2"-O-(6'''-feruloyl)glucoside

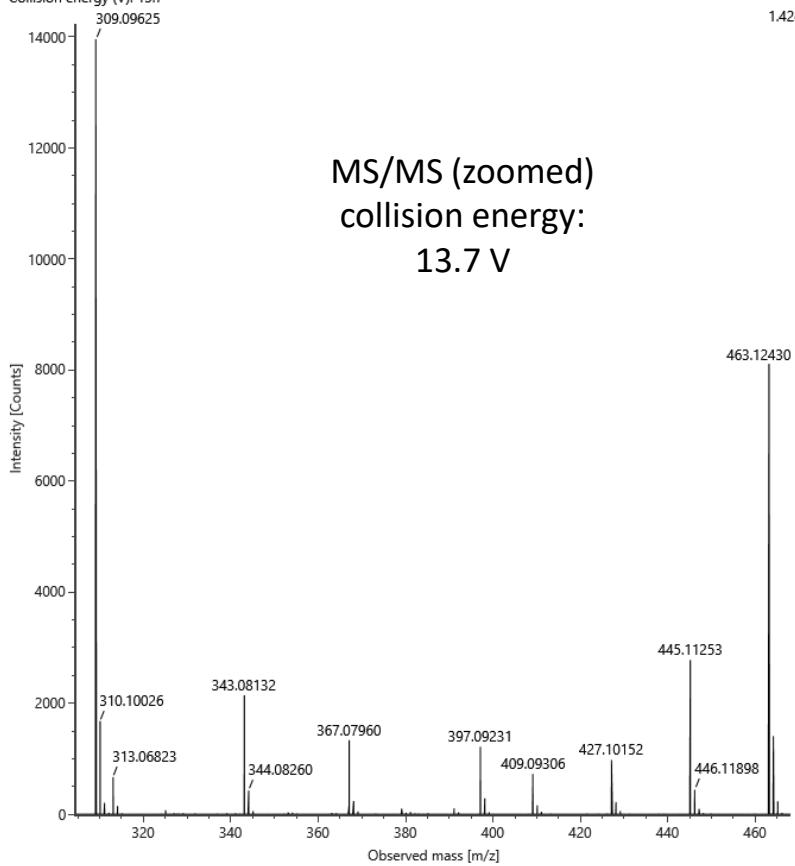
ESI-MS mode: positive, Unispray ion source

m/z (experimental): 771.21326

Channel name: 4: RT=11.1079 mins : Set Mass(*m/z*)=771.2119 : DDA TOF MSMS (50-2000)...
Collision energy (V): 13.7

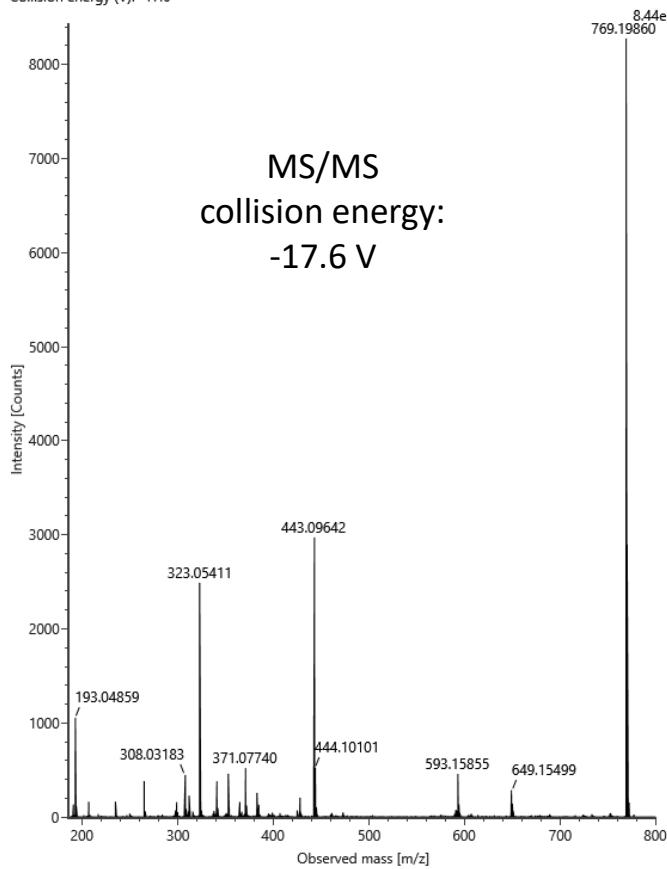


Channel name: 4: RT=11.1079 mins : Set Mass(*m/z*)=771.2119 : DDA TOF MSMS (50-2000) 14-37eV ESI+
Collision energy (V): 13.7

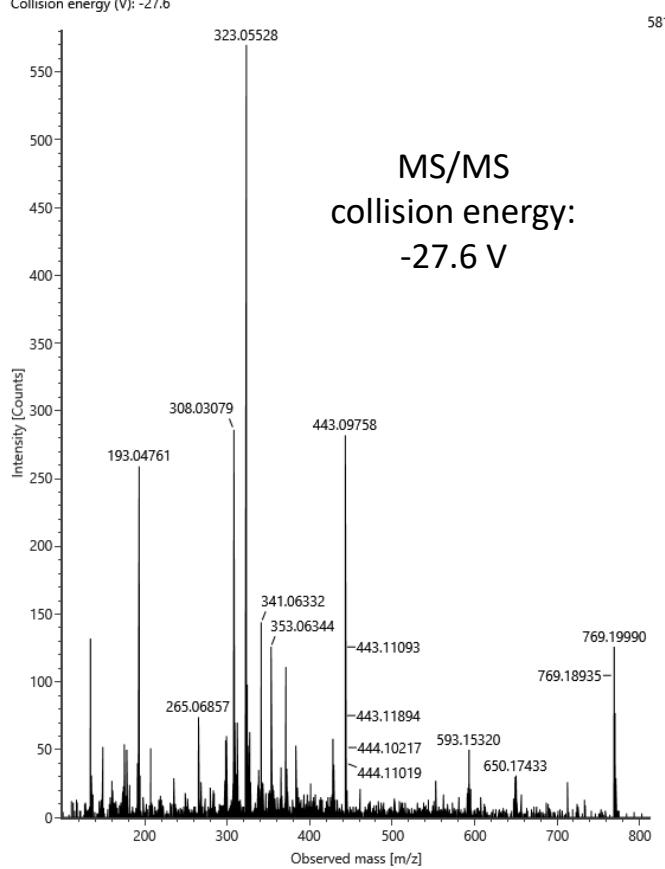


Compound name: isovitexin 2"-O-(6'''-feruloyl)glucoside
 ESI-MS mode: negative, Unispray ion source
 m/z (experimental): 769.19858

Channel name: 4: RT=11.0694 mins : Set Mass(m/z)=769.1976 : DDA TOF MSMS (50-1000) -18--...
 Collision energy (V): -17.6



Channel name: 4: RT=11.0747 mins : Set Mass(m/z)=769.1980 : DDA TOF MSMS (50-1000) -28--...
 Collision energy (V): -27.6

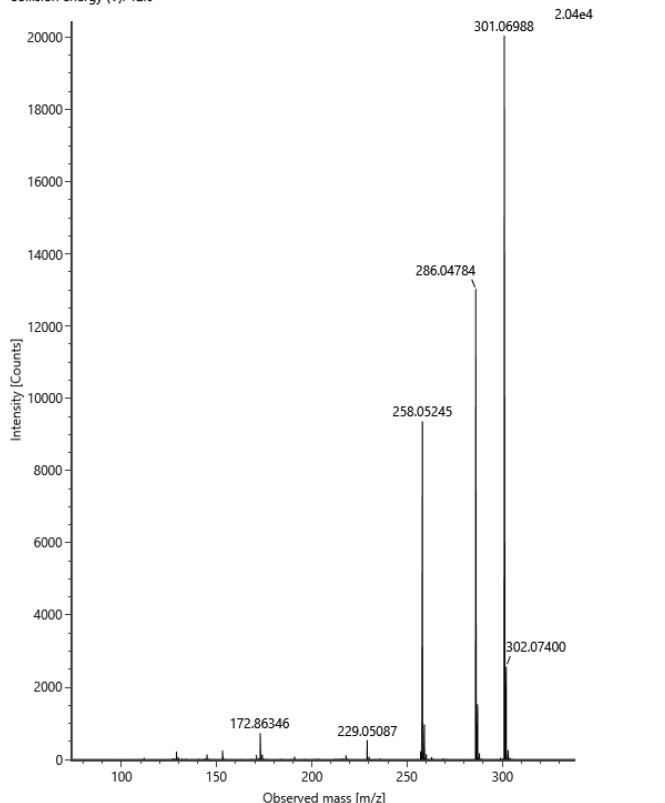


Compound name: 3'-O-methyluteolin (chrysoeriol)

ESI-MS mode: positive, Unispray ion source

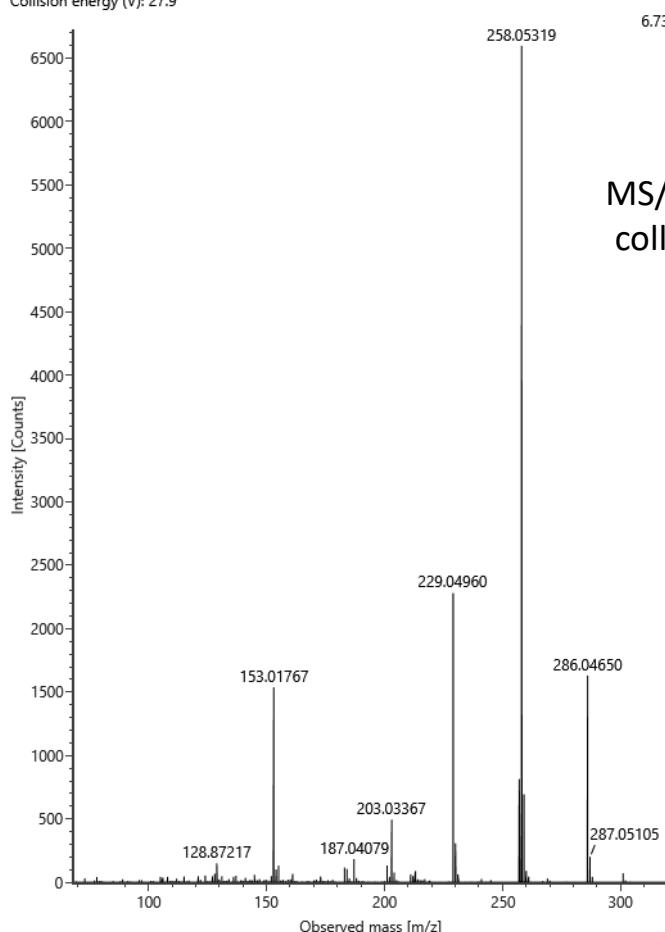
m/z (experimental): 301.07079

Channel name: 4: RT=13.5498 mins : Set Mass(*m/z*)=301.1418 : DDA TOF MSMS (50-1000)...
Collision energy (V): 12.6



MS/MS
collision energy:
12.6 V

Channel name: 4: RT=13.5390 mins : Set Mass(*m/z*)=301.0705 : DDA TOF MSMS (50-1000)...
Collision energy (V): 27.9



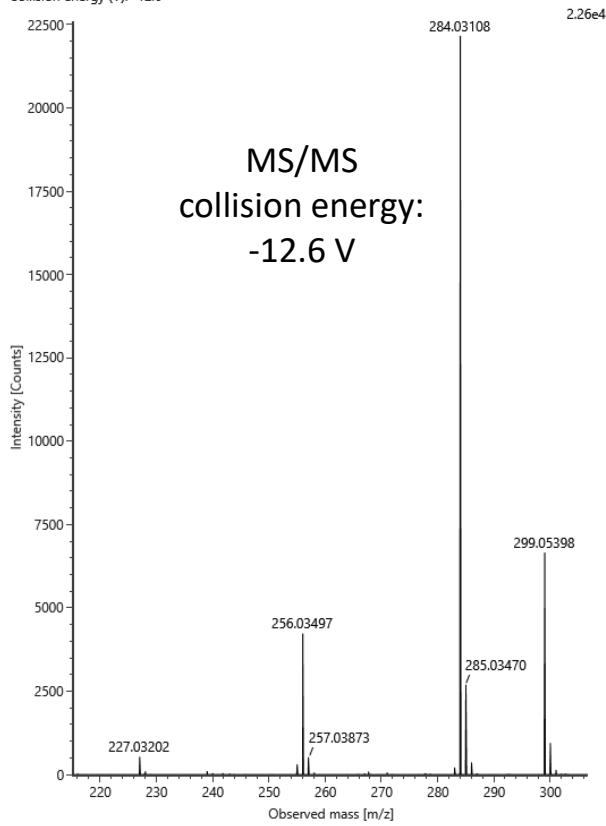
MS/MS (zoomed)
collision energy:
27.9 V

Compound name: 3'-O-methyluteolin (chrysoeriol)

ESI-MS mode: negative, Unispray ion source

m/z (experimental): 299.05627

Channel name: 4: RT=13.5550 mins : Set Mass(*m/z*)=299.0560 : DDA TOF MSMS (50-1000)...
Collision energy (V): -12.6



Channel name: 4: RT=13.5586 mins : Set Mass(*m/z*)=299.0562 : DDA TOF MSMS (50-1000)...
Collision energy (V): -20.2

