

Reply figures

Semi-overexpressed OsMYB86L2 specifically enhances cellulose biosynthesis to maximize bioethanol productivity by integrating green-like lignocellulose de-polymerization

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^a College of Plant Science & Technology, Huazhong Agricultural University, Wuhan 430070, China.

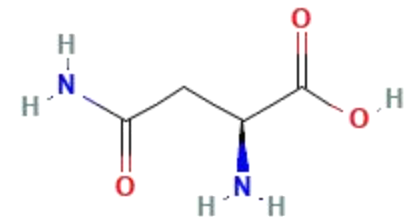
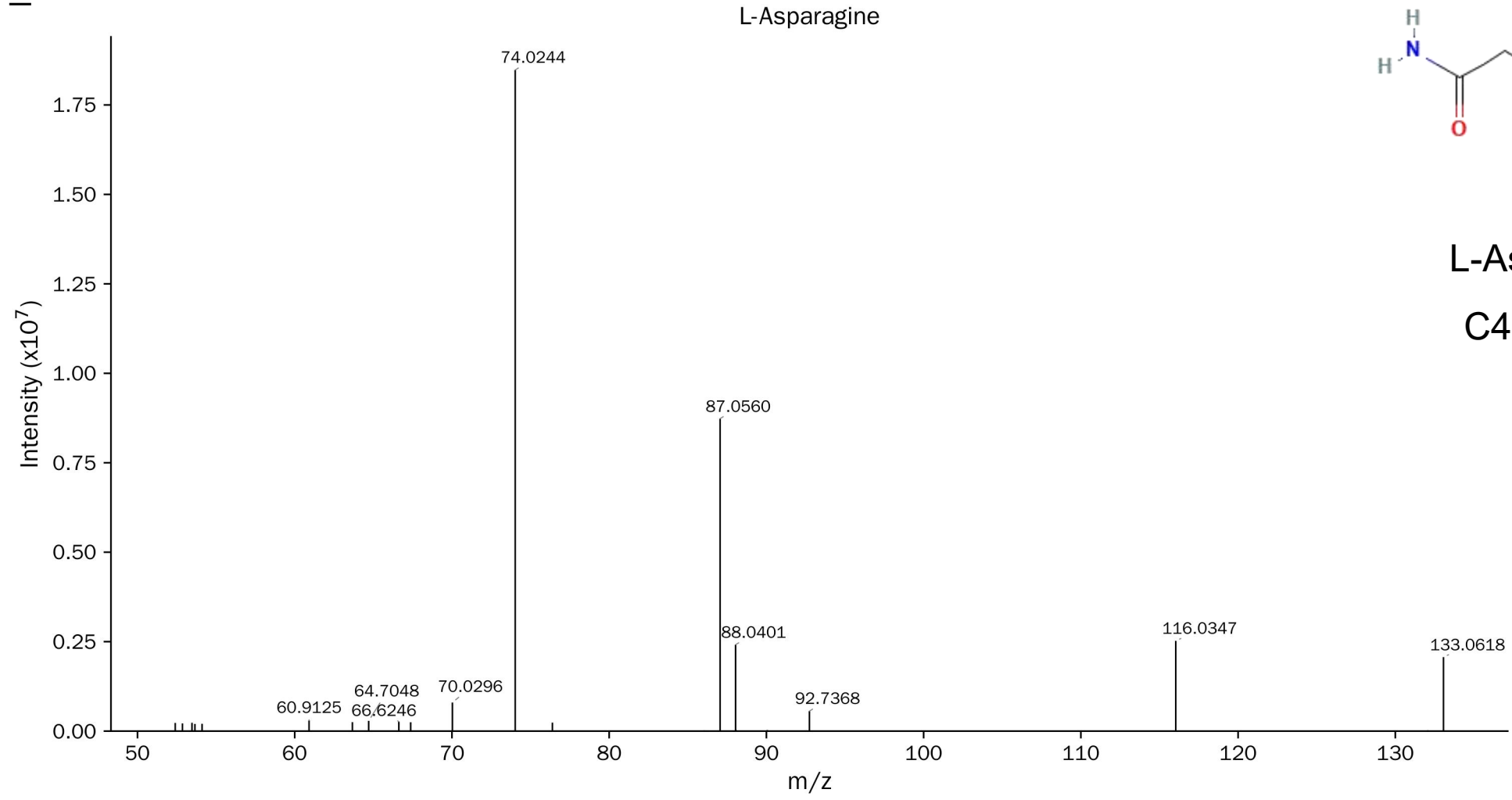
^b Key Laboratory of Fermentation Engineering (Ministry of Education), National "111" Center for Cellular Regulation & Molecular Pharmaceutics, Hubei Key Laboratory of Industrial Microbiology, School of Life & Health Sciences, Hubei University of Technology, Wuhan, 430068, China.

^c The National Engineering Laboratory of Crop Resistance Breeding, School of Life Sciences, Anhui Agricultural University, Hefei, 230036, China.

^d Houji Laboratory in Shanxi Province, Academy of Agronomy, Taiyuan, 030000, China.

Fragmentation Score: 93.6

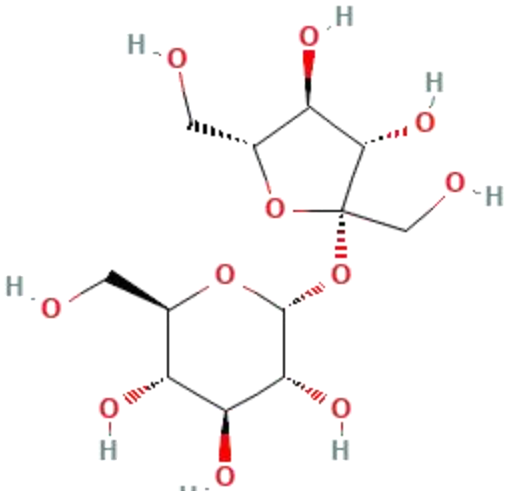
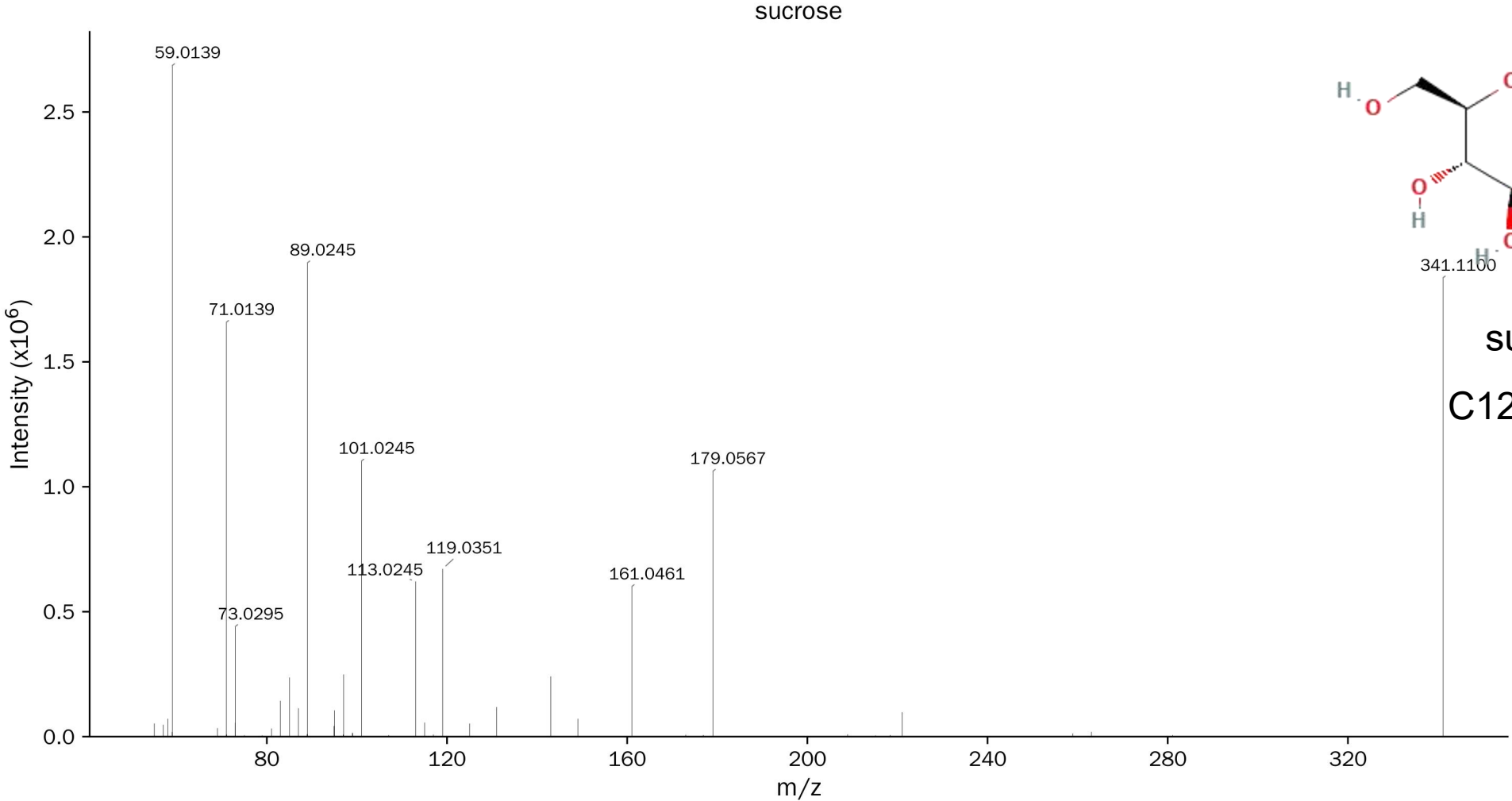
0.75_133.0609m/z



L-Asparagine
C₄H₈N₂O₃

Fragmentation Score: 64.3

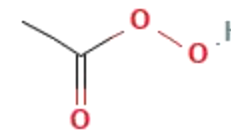
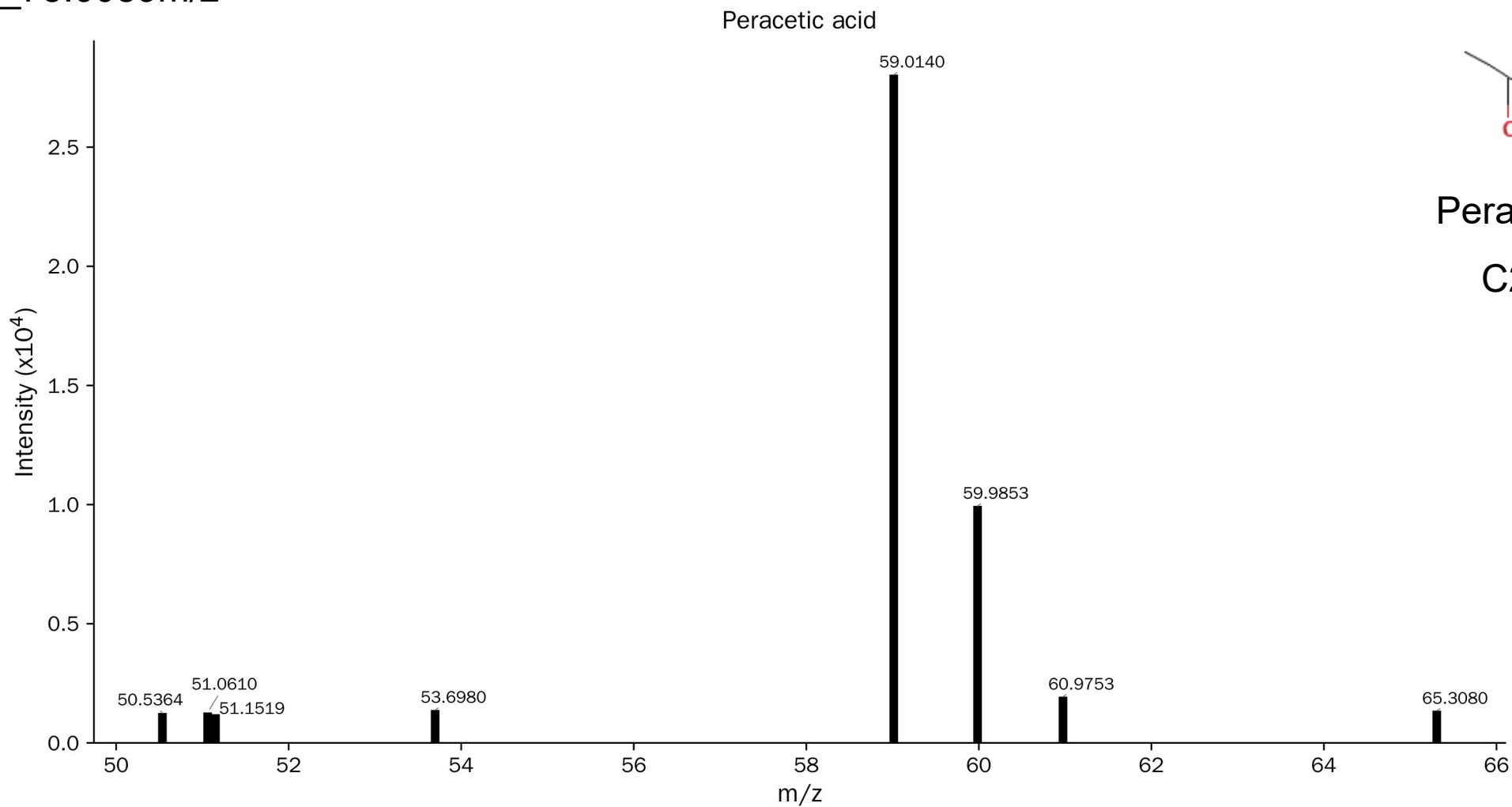
0.80_342.1173n



sucrose
C12H22O11

Fragmentation Score: 60.2

1.04_75.0089m/z

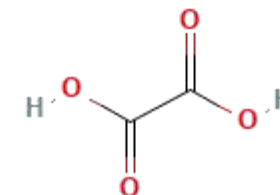
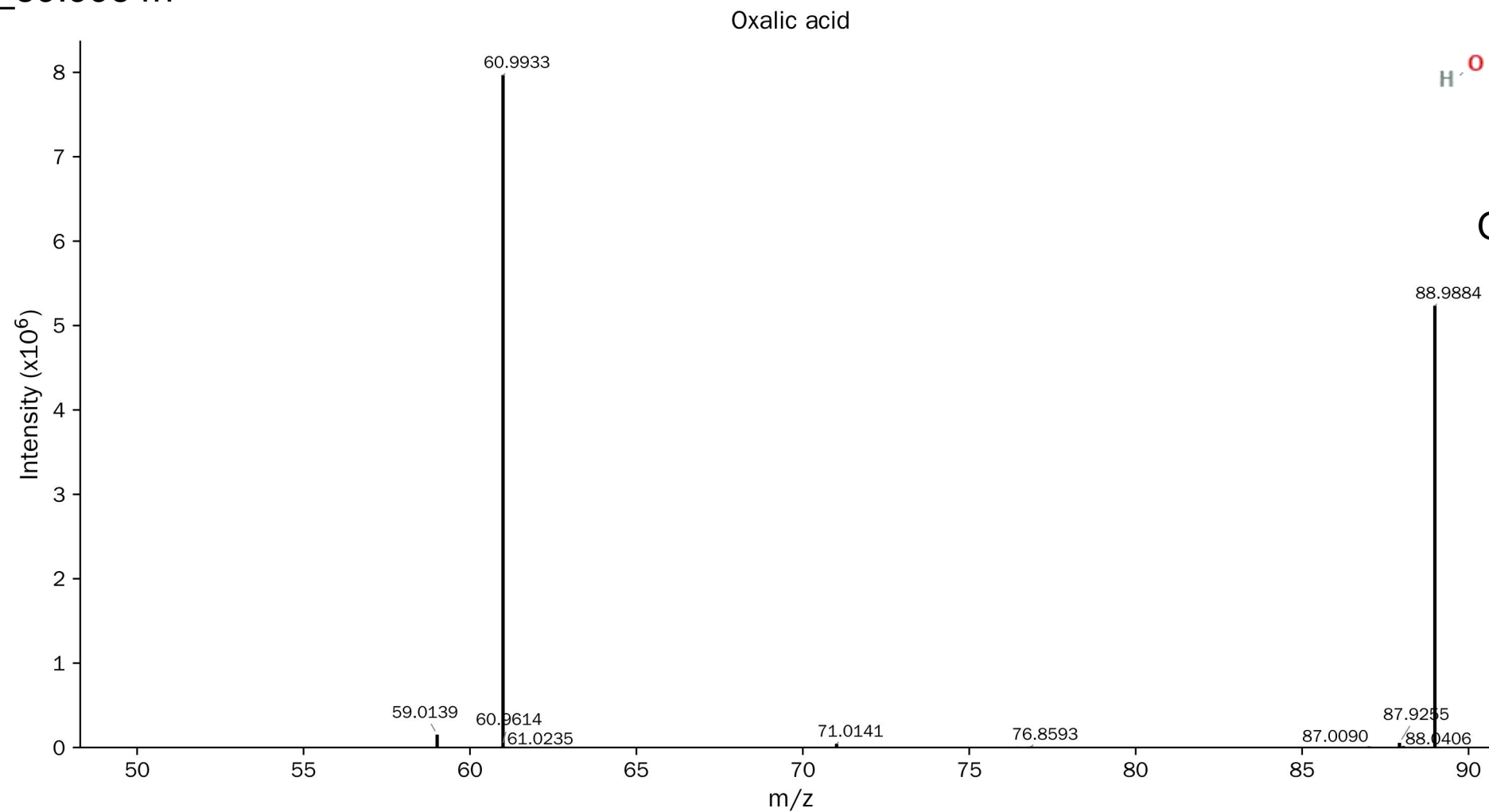


Peracetic acid

C₂H₄O₃

Fragmentation Score: 56.3

0.88_89.9954n

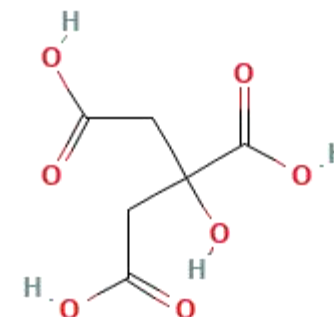
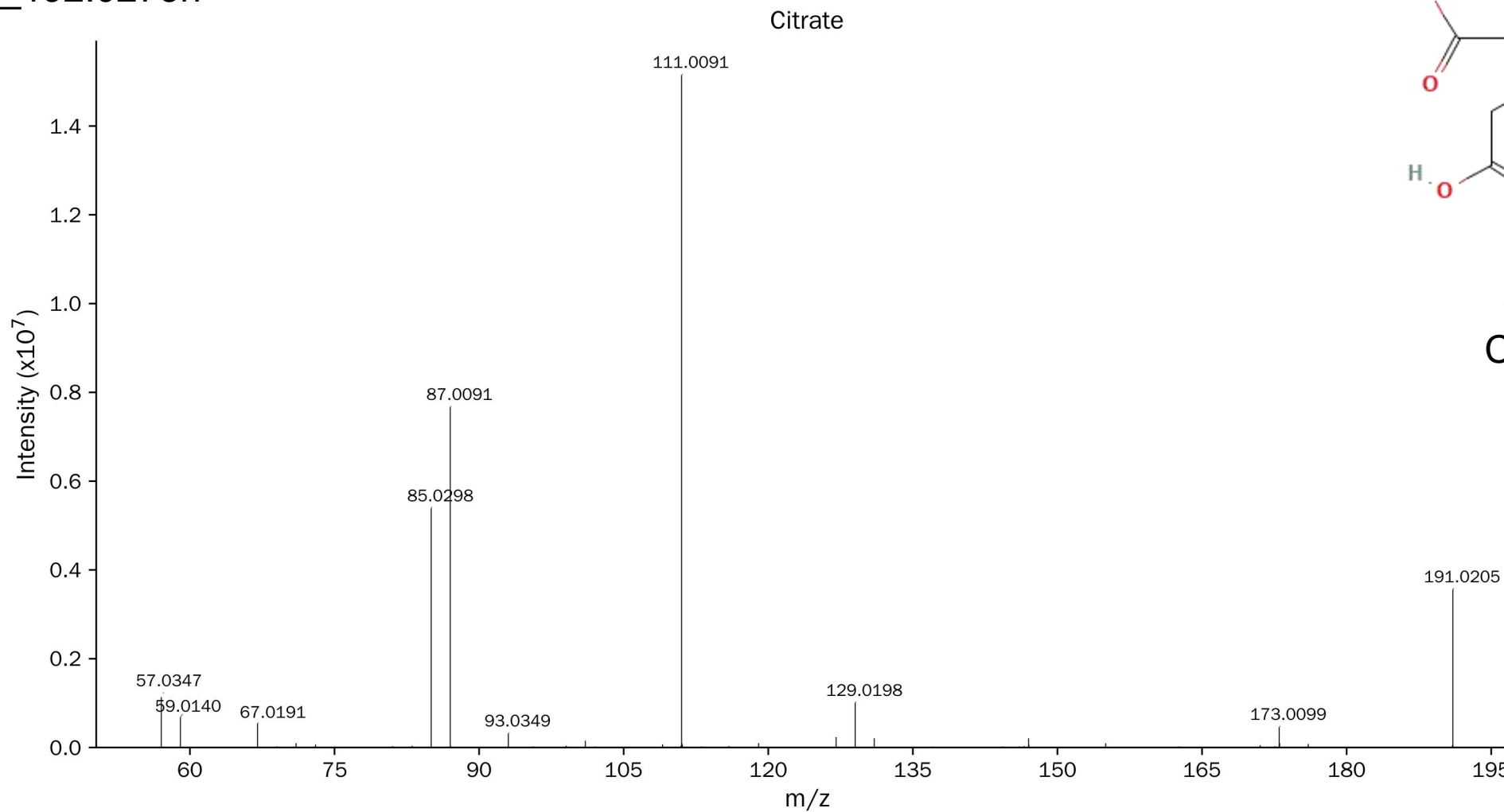


Oxalic acid

C₂H₂O₄

Fragmentation Score: 85.3

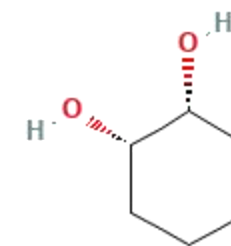
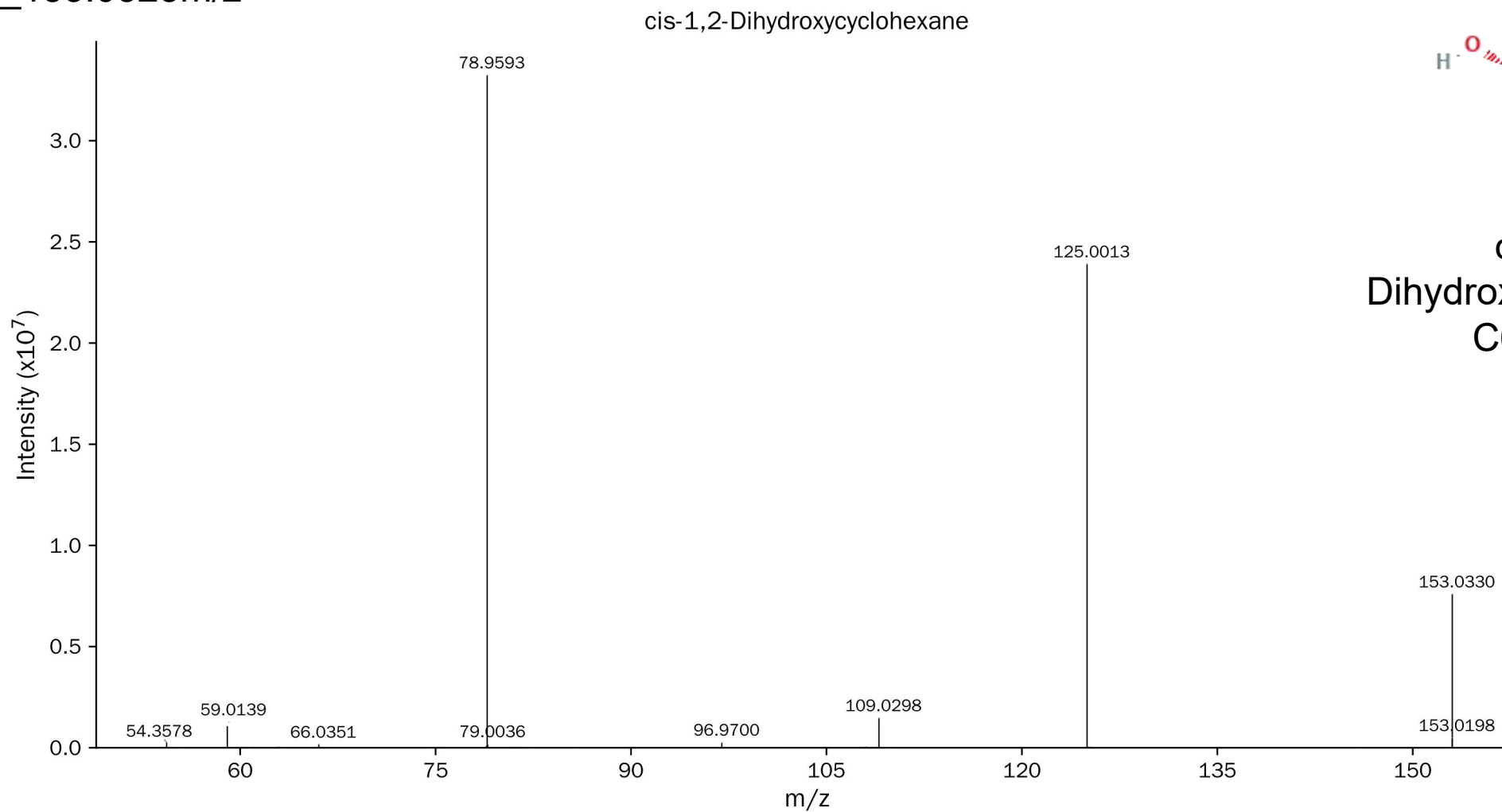
1.15_192.0275n



Citrate
C₆H₈O₇

Fragmentation Score: 60.4

1.85_153.0325m/z

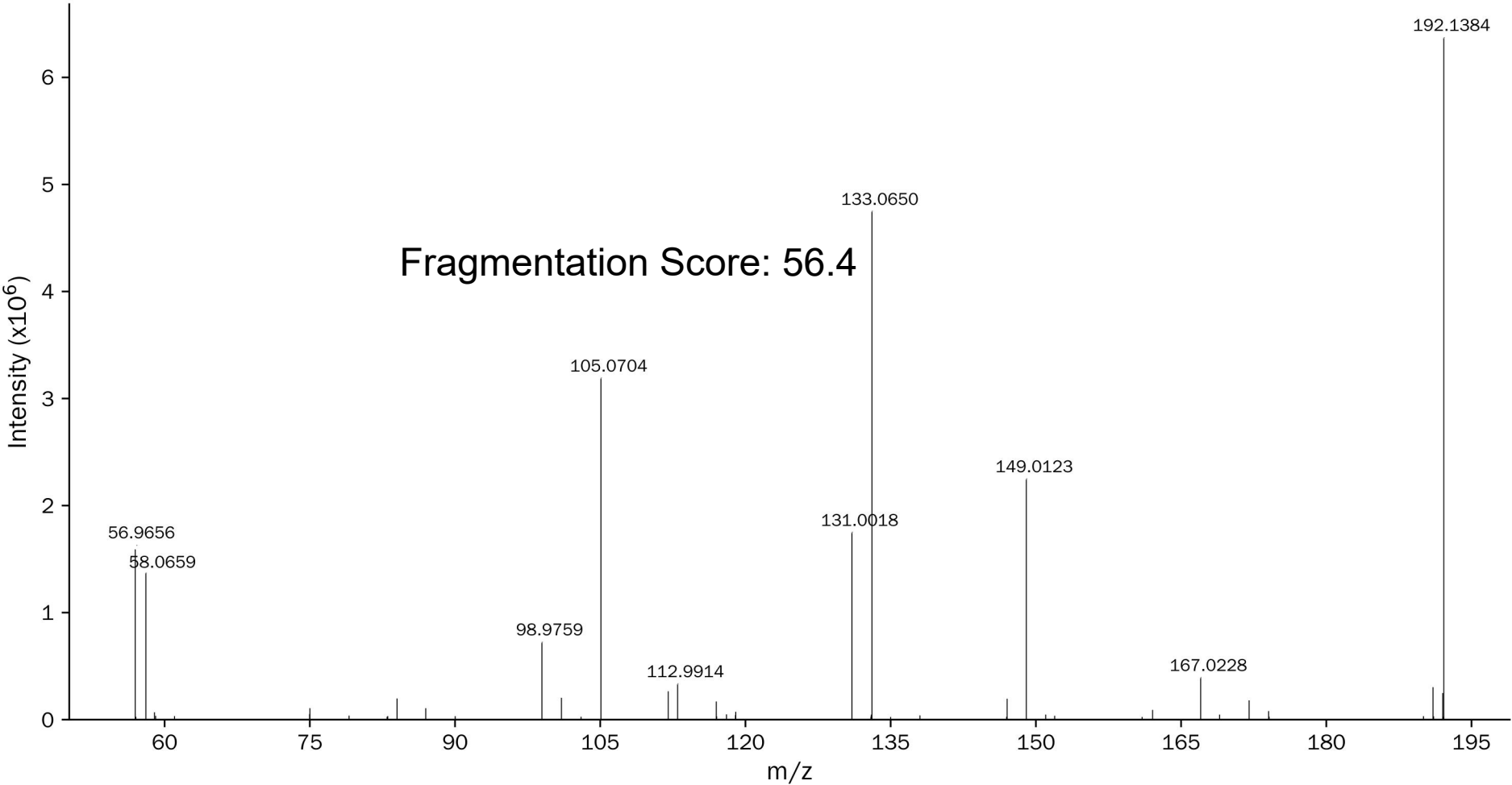
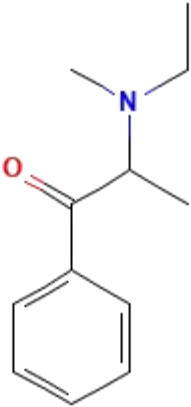


cis-1,2-Dihydroxycyclohexane
C₆H₁₂O₂

Fragmentation Score: 56.4

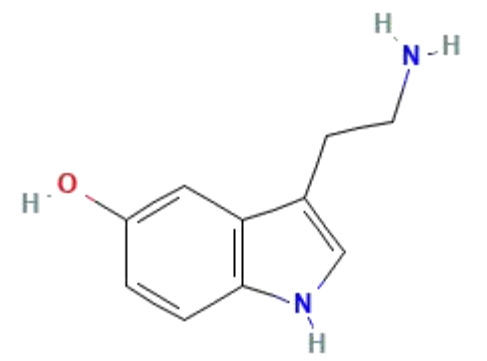
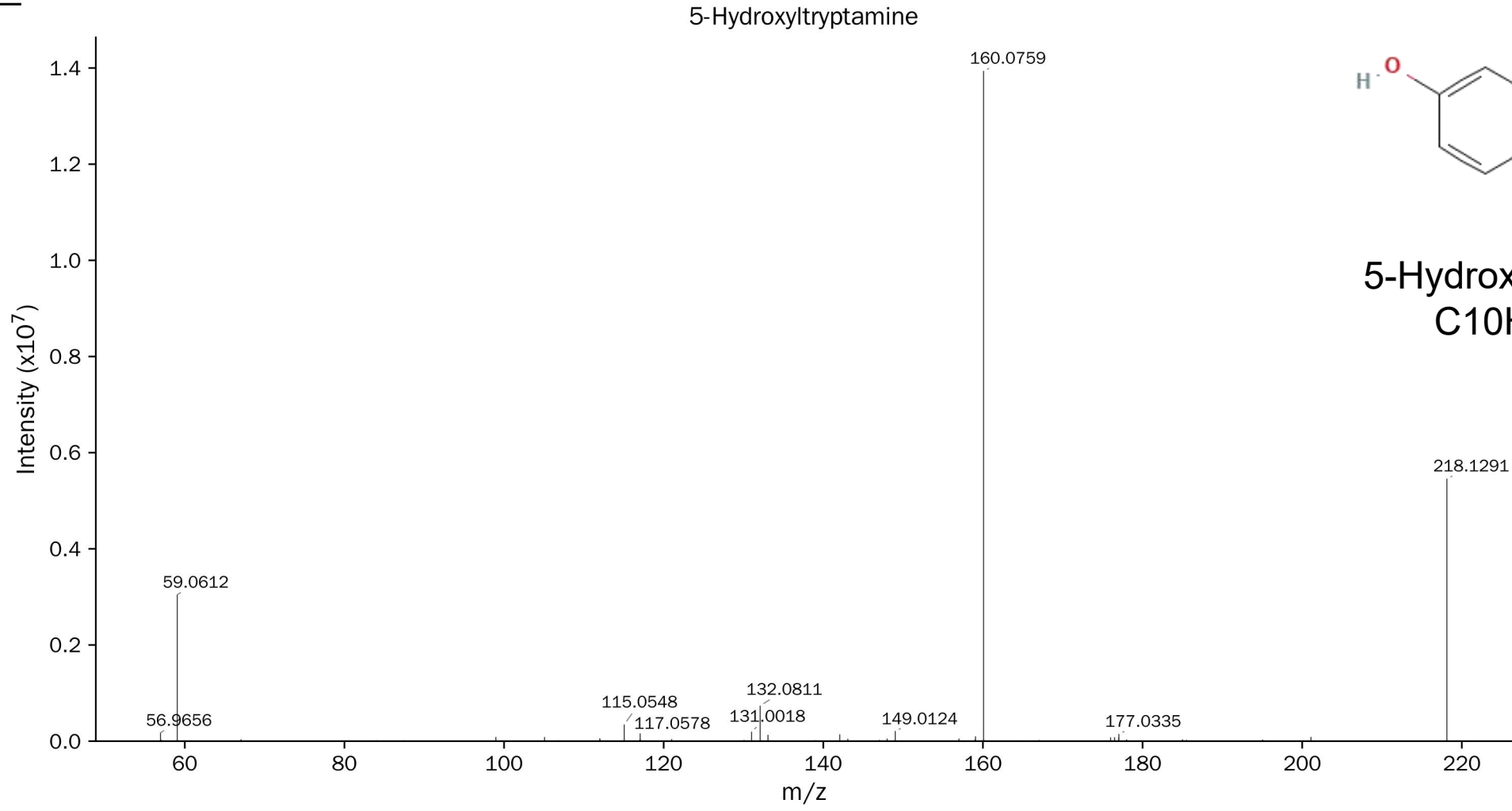
2.14_192.1383m/z

N-Ethyl-N-Methylcathinone



Fragmentation Score: 92

2.33_218.1289m/z

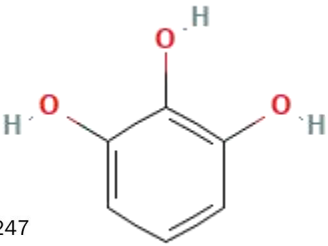


5-Hydroxyltryptamine
C10H12N2O

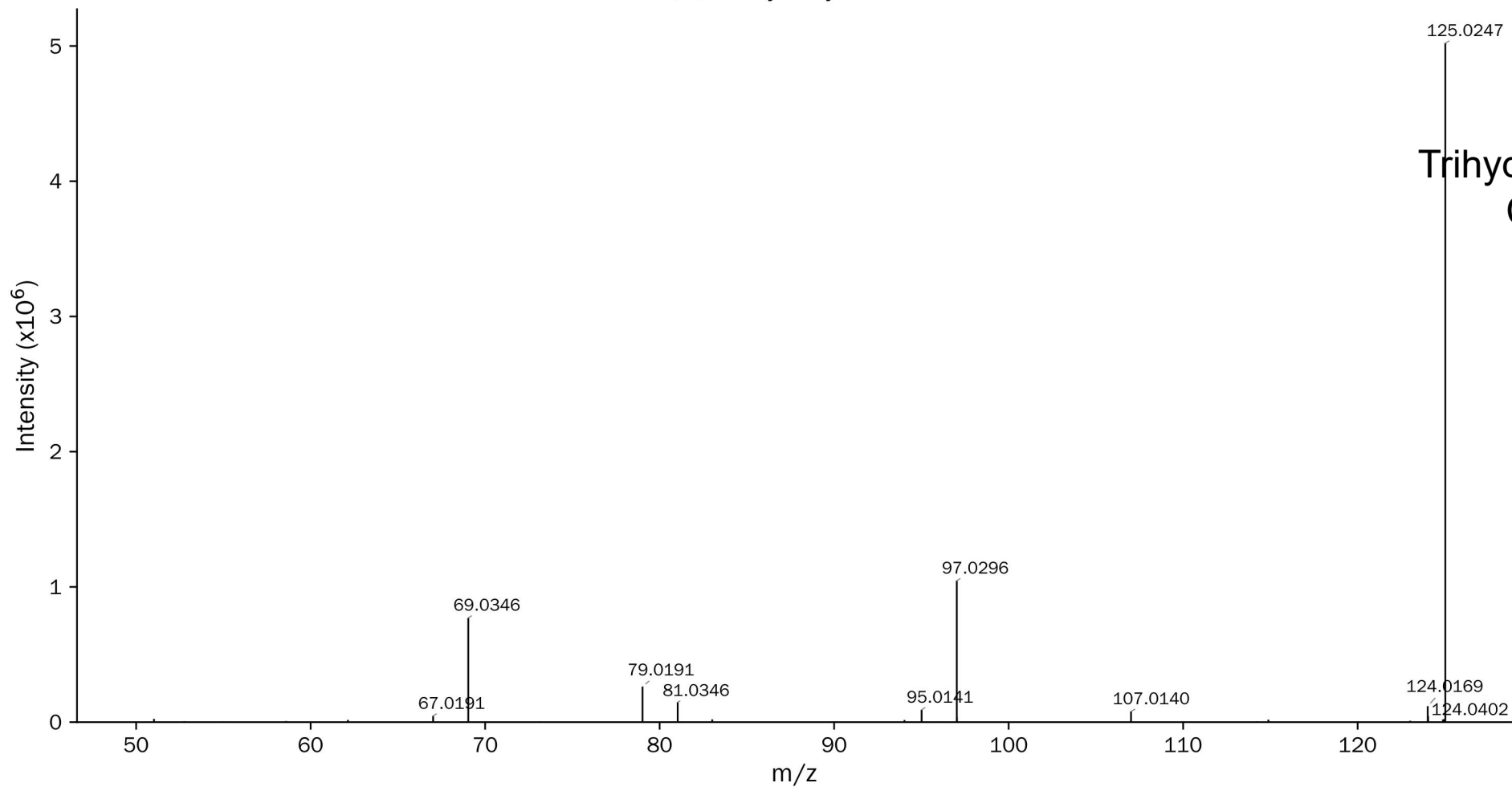
Fragmentation Score: 86.1

3.22_125.0247m/z

1,2,3-Trihydroxybenzene

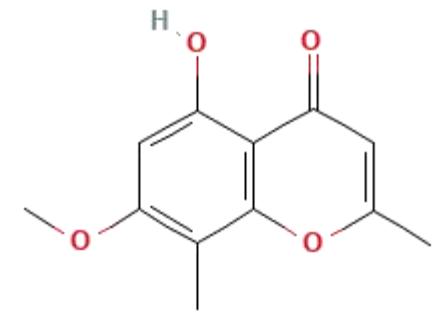
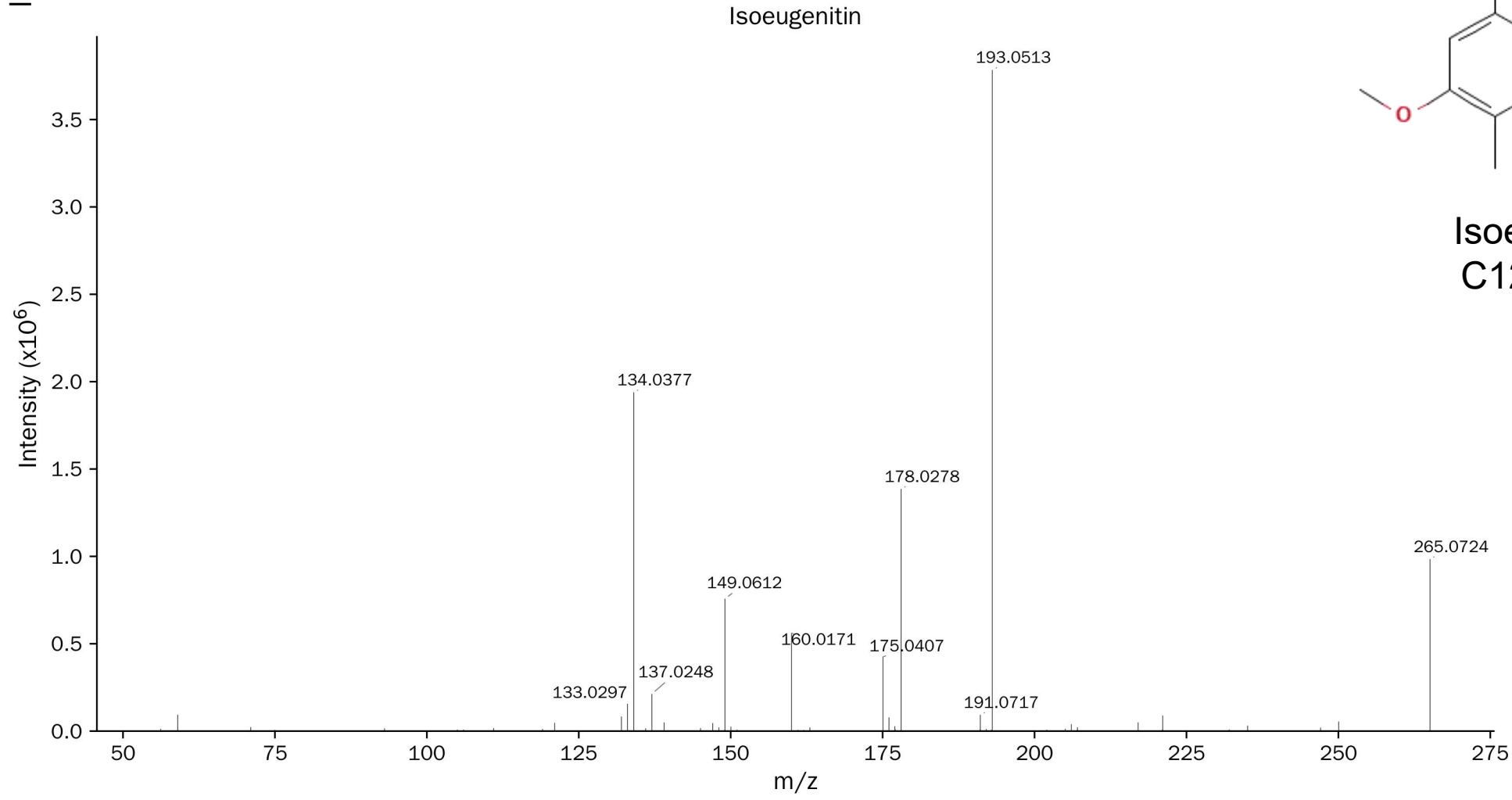


1,2,3-
Trihydroxybenzene
C6H6O3



Fragmentation Score: 73.8

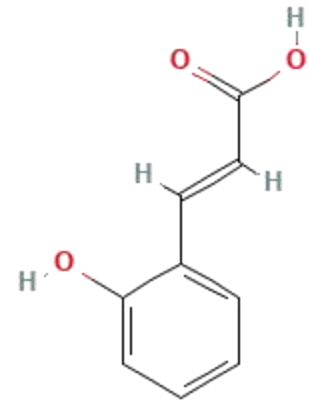
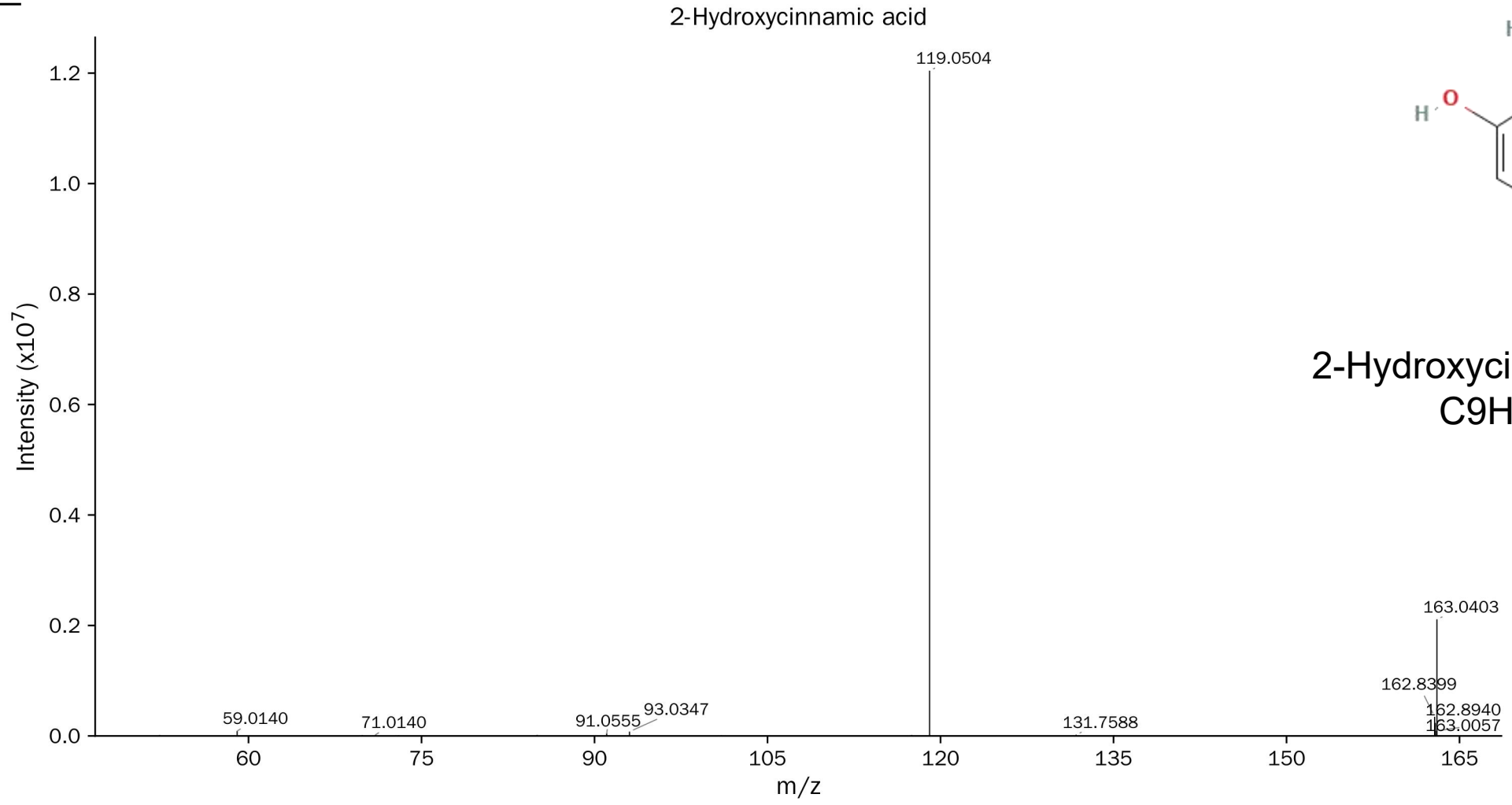
5.53_265.0719m/z



Isoeugenitin
C12H12O4

Fragmentation Score: 73.5

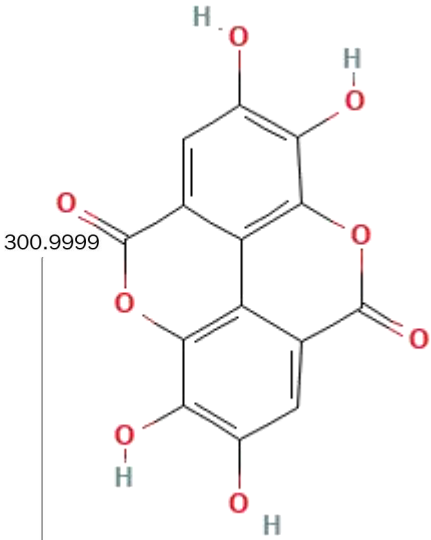
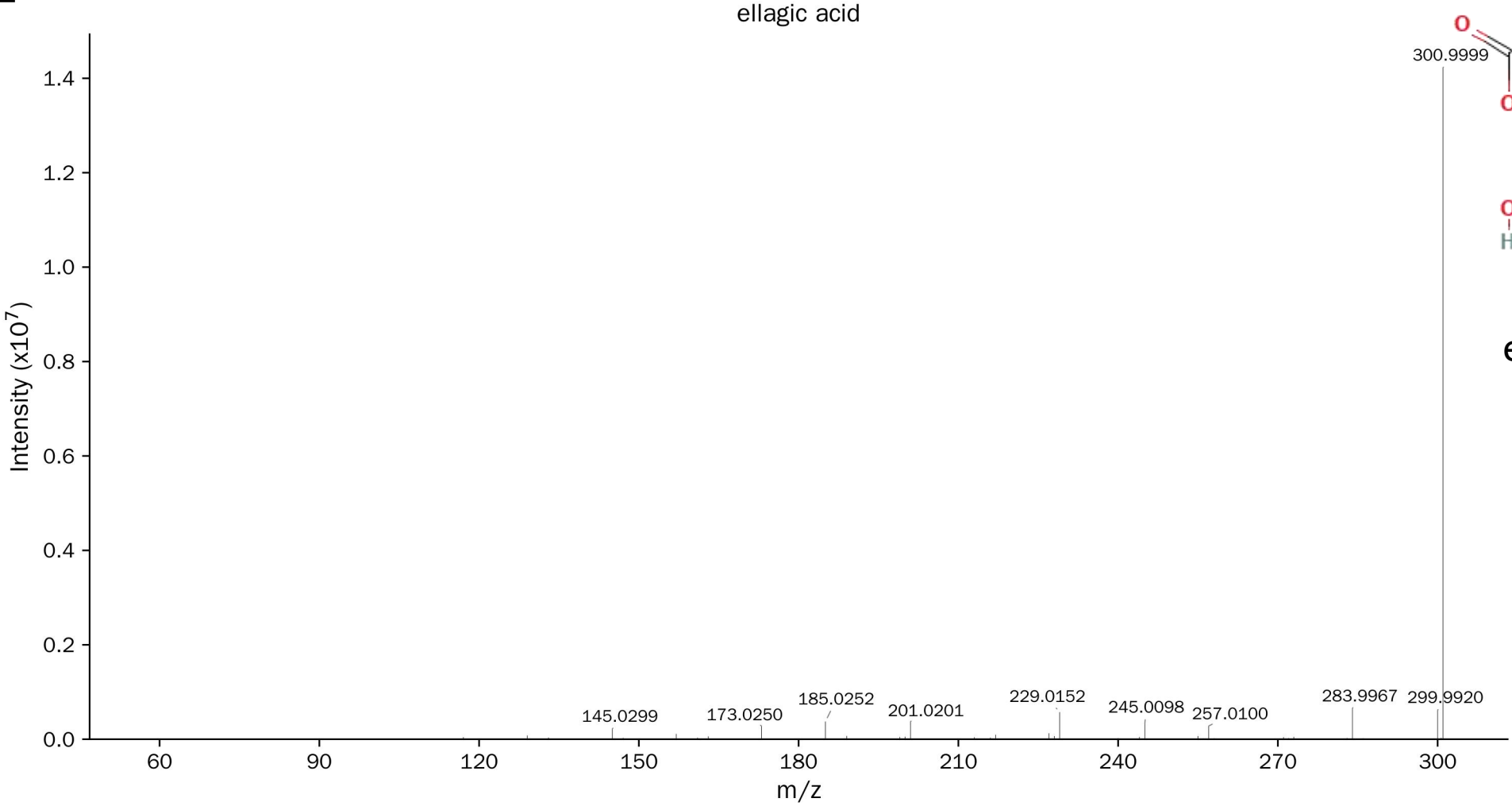
5.28_164.0477n



2-Hydroxycinnamic acid
C₉H₈O₃

Fragmentation Score: 77

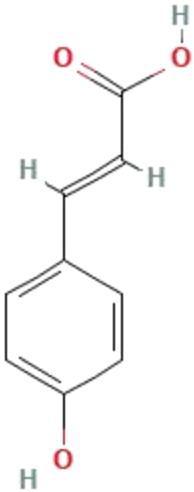
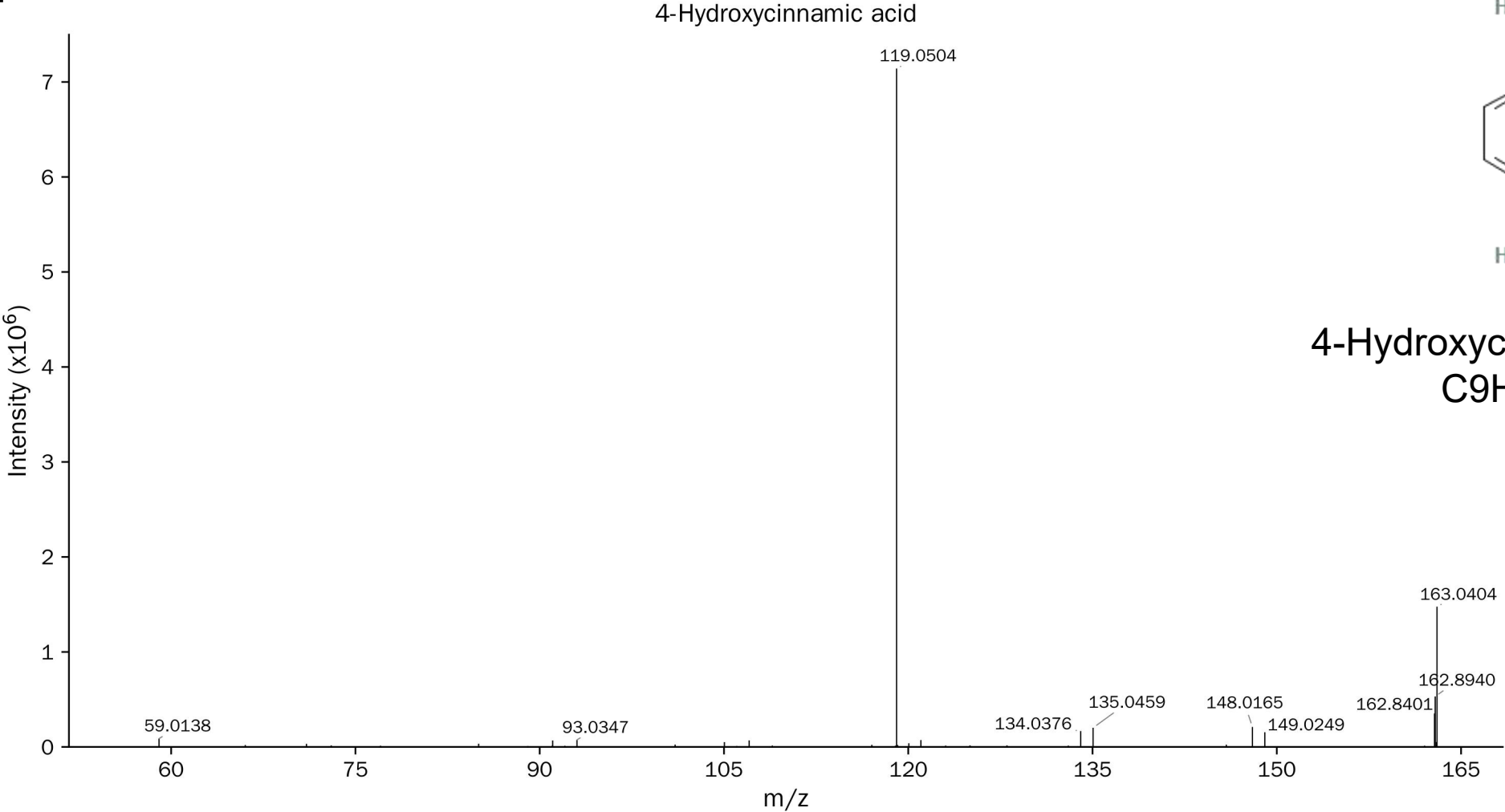
5.81_302.0068n



ellagic acid
C₁₄H₆O₈

Fragmentation Score: 72.6

5.81_164.0477n

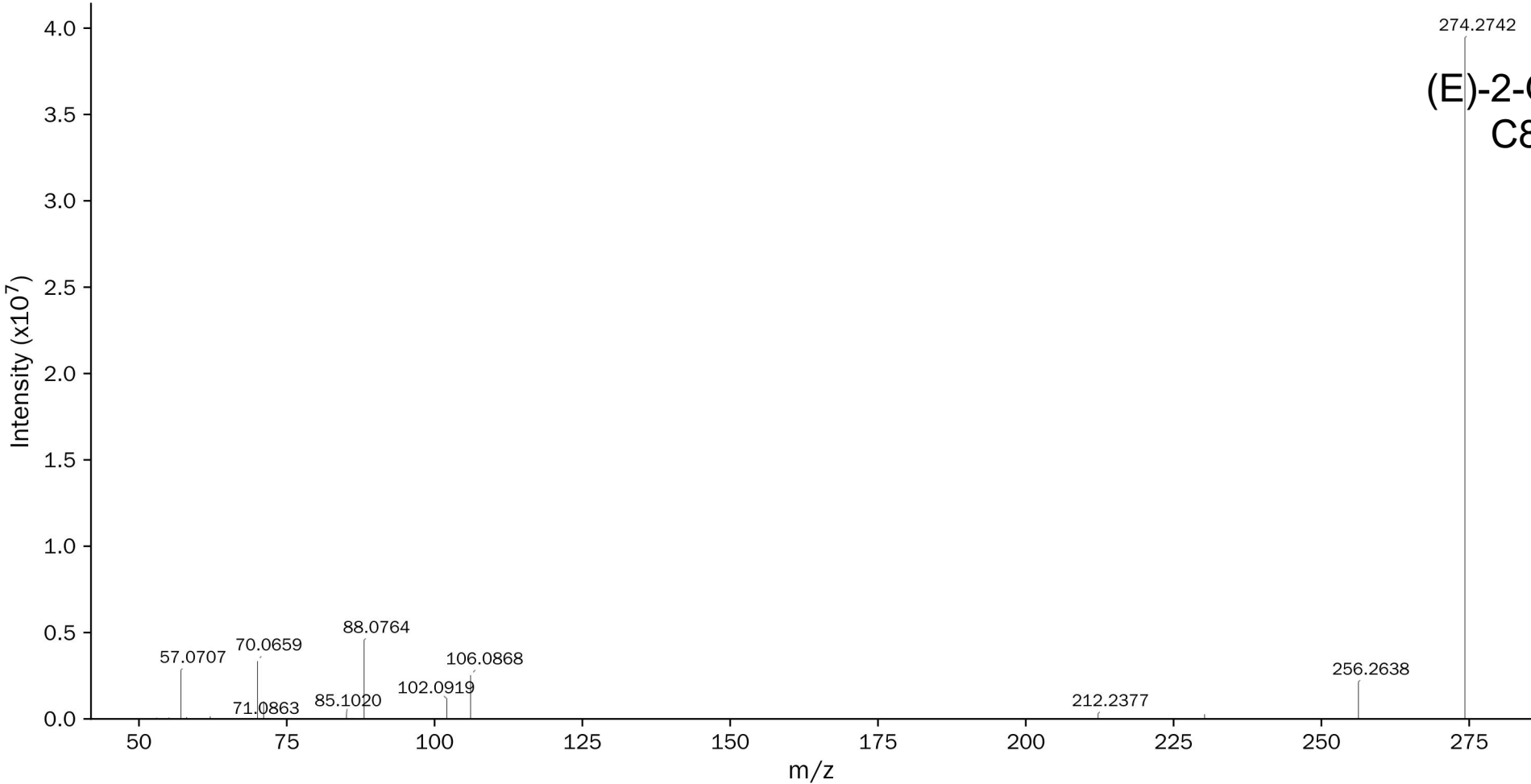
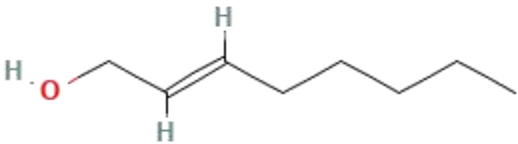


4-Hydroxycinnamic acid
C₉H₈O₃

Fragmentation Score: 66.5

7.93_274.2740m/z

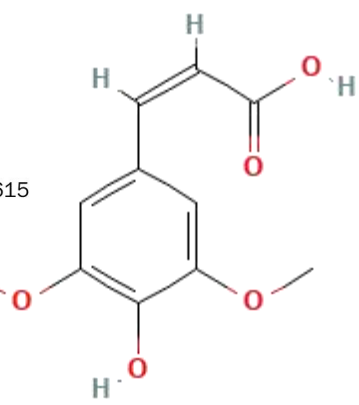
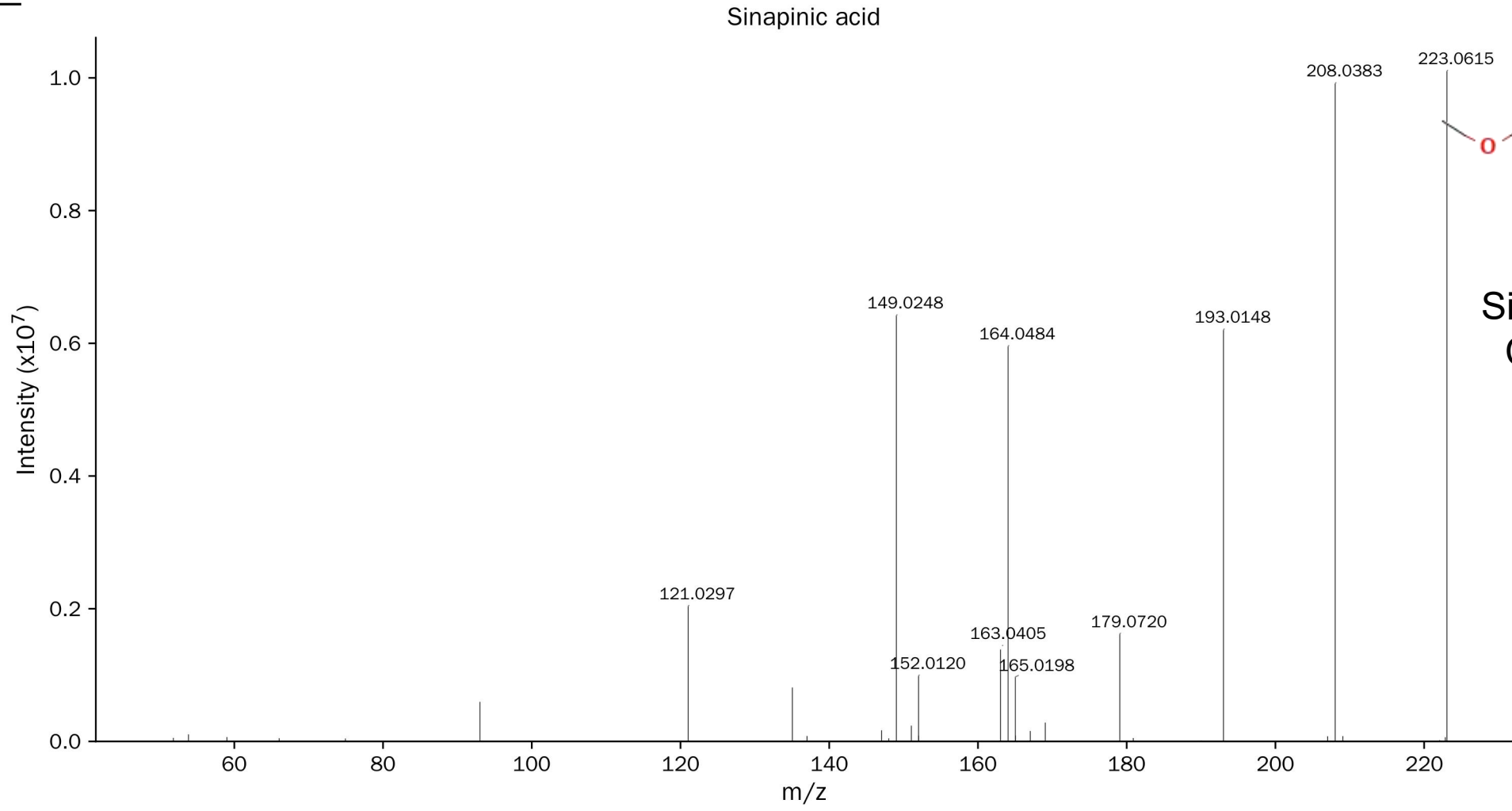
(E)-2-Octen-1-ol



(E)-2-Octen-1-ol
C8H16O

Fragmentation Score: 97.8

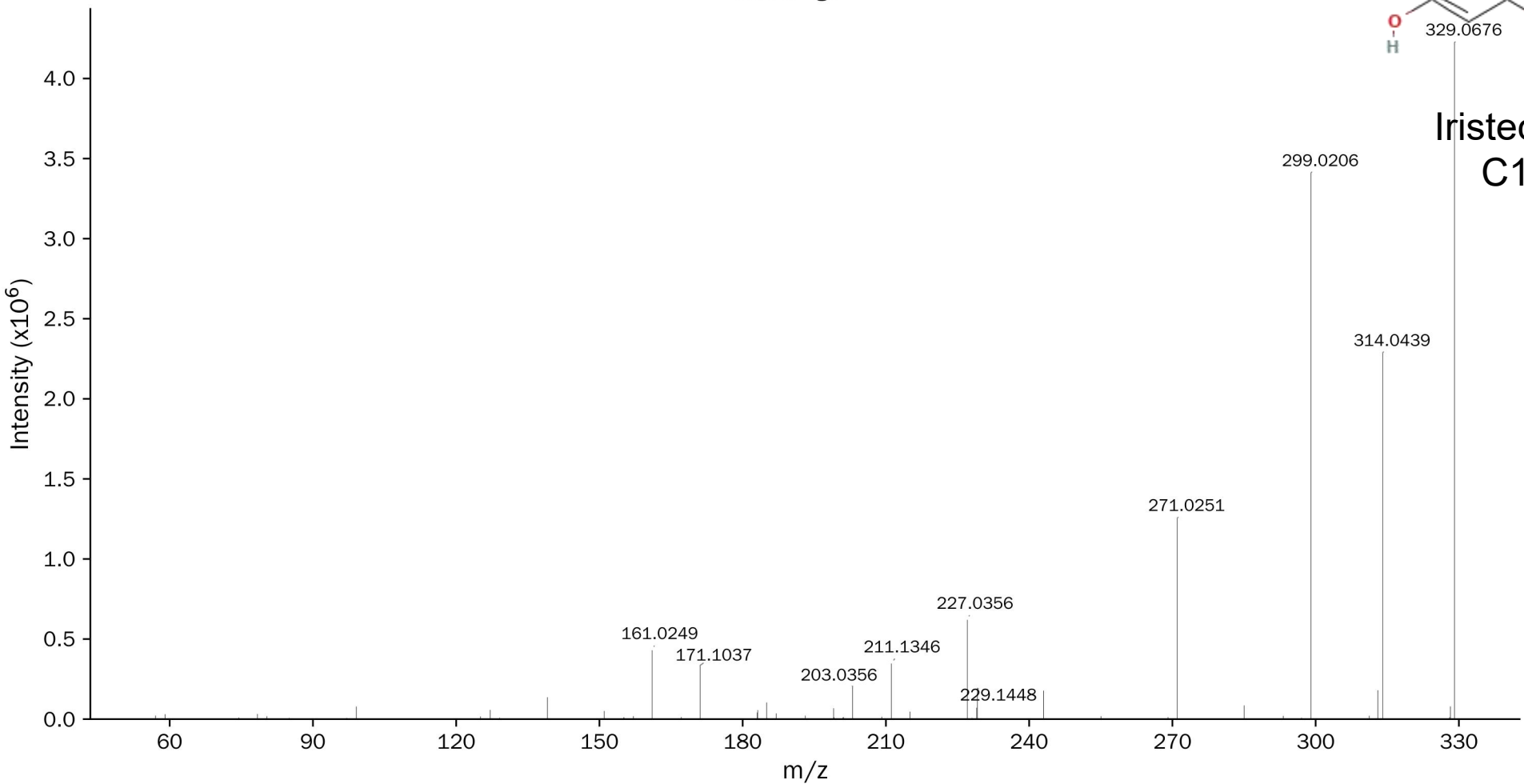
5.74_223.0615m/z



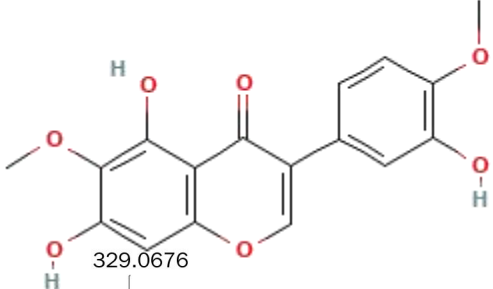
Sinapinic acid
C₁₁H₁₂O₅

Fragmentation Score: 91.9

7.93_330.0747n



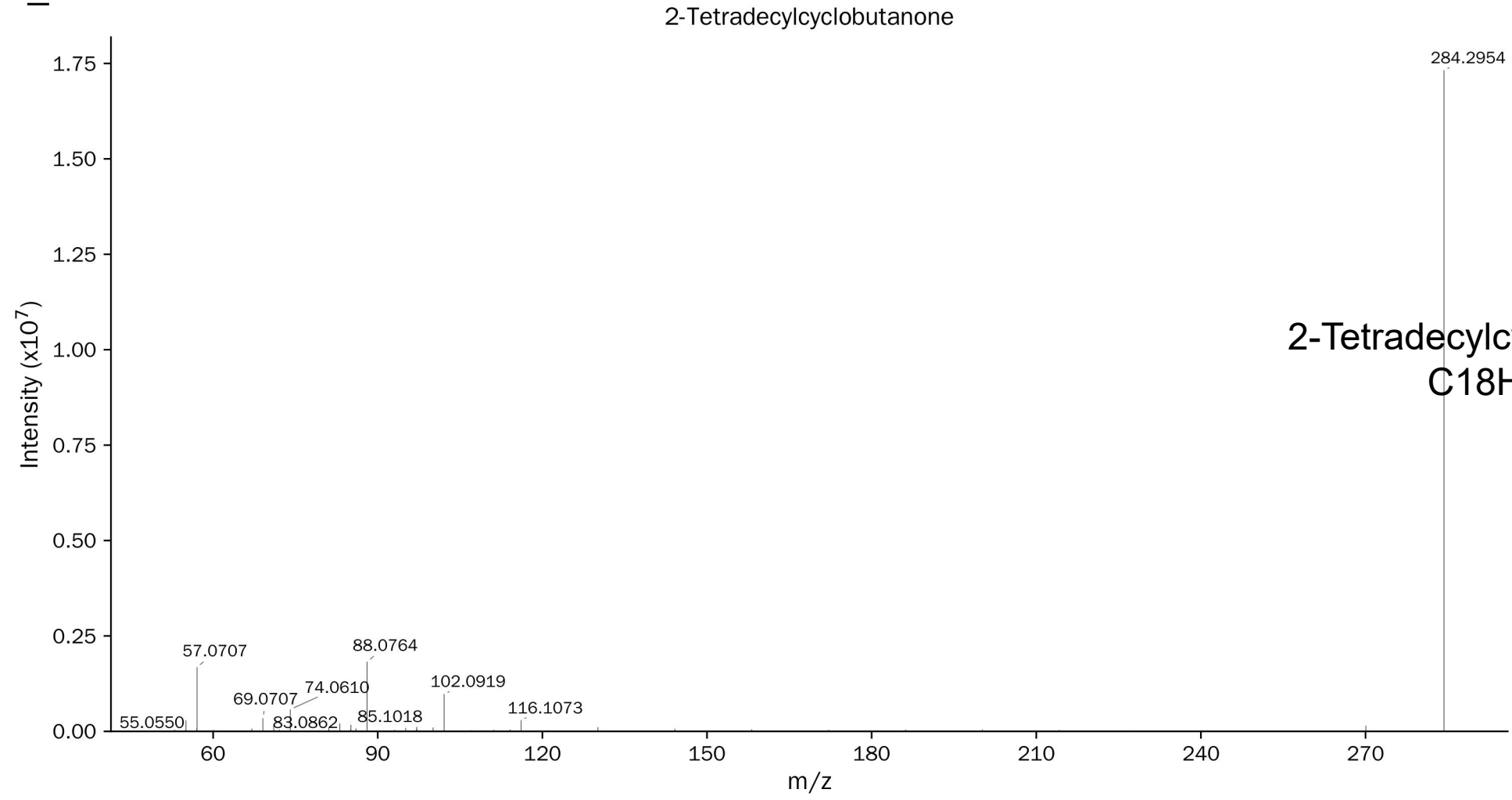
Iristectorigenin B



Iristectorigenin B
C₁₇H₁₄O₇

Fragmentation Score: 56.2

11.32_284.2948m/z



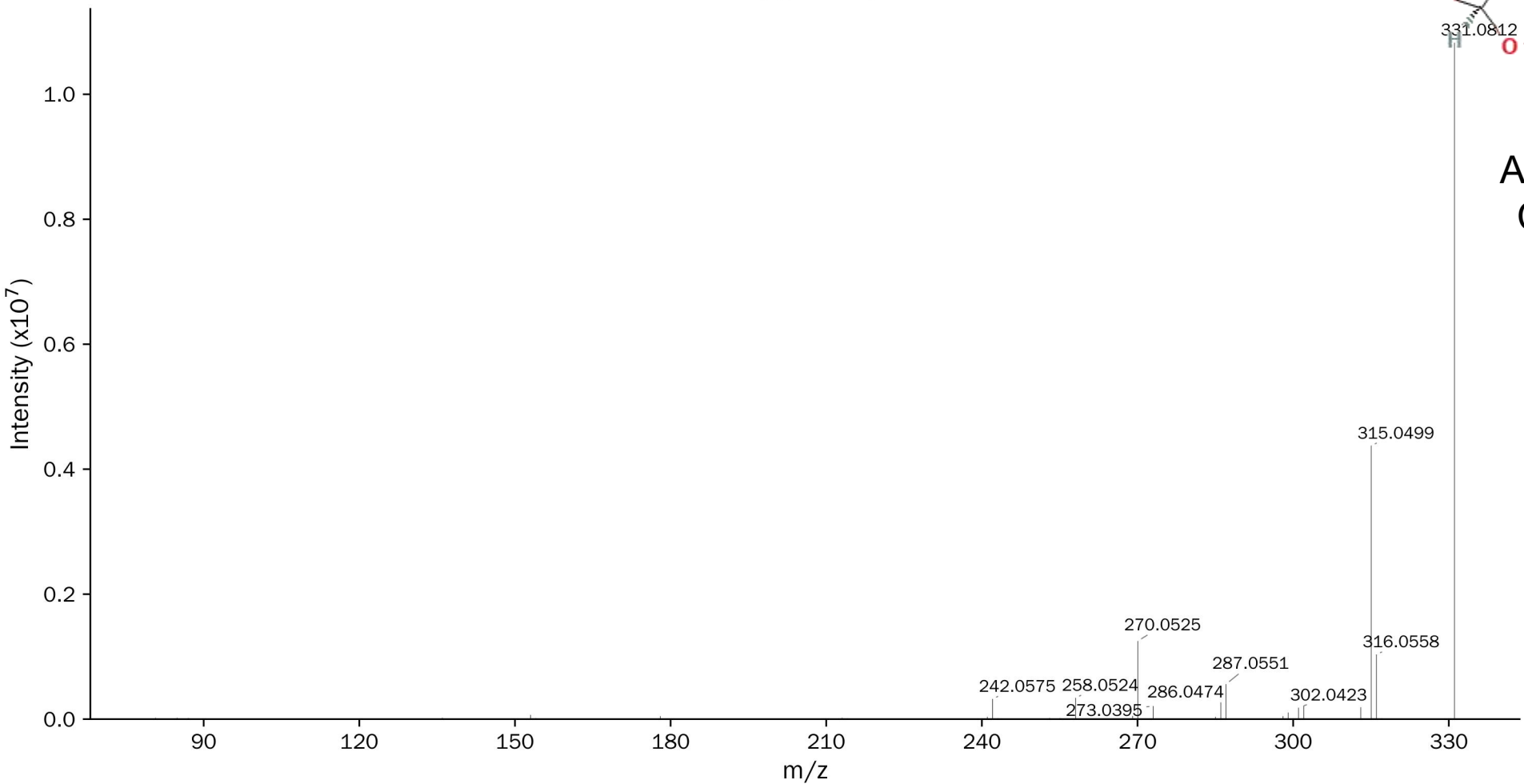
2-Tetradecylcyclobutanone

2-Tetradecylcyclobutanone
C₁₈H₃₄O

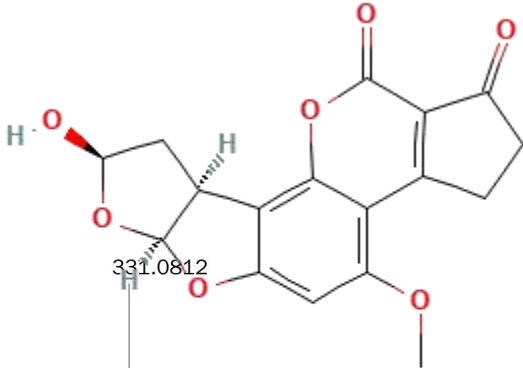


Fragmentation Score: 83.9

7.96_331.0811m/z



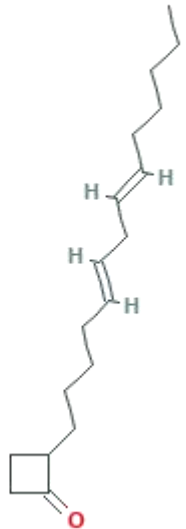
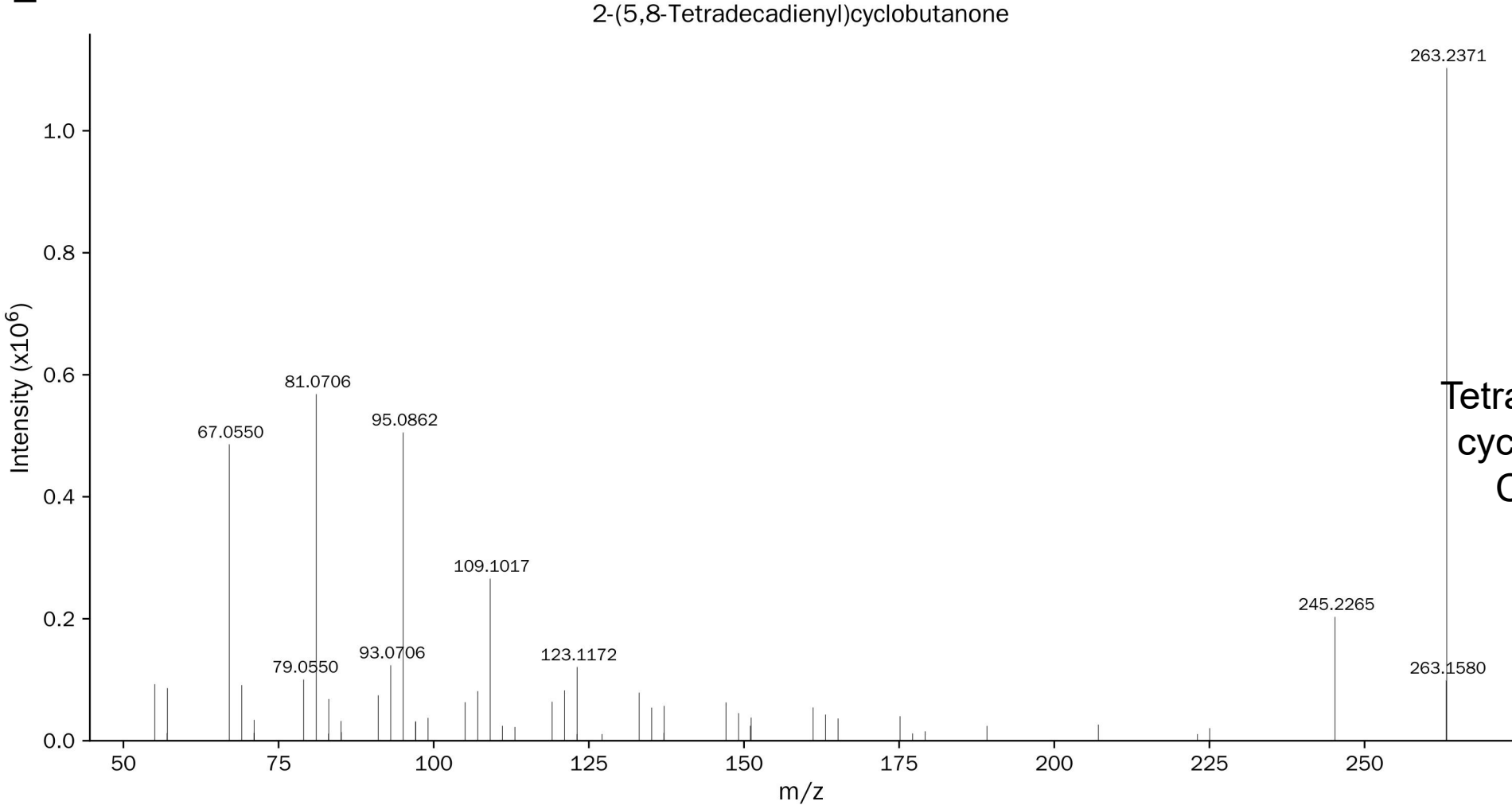
Aflatoxin B2a



Aflatoxin B2a
C₁₇H₁₄O₇

Fragmentation Score: 69

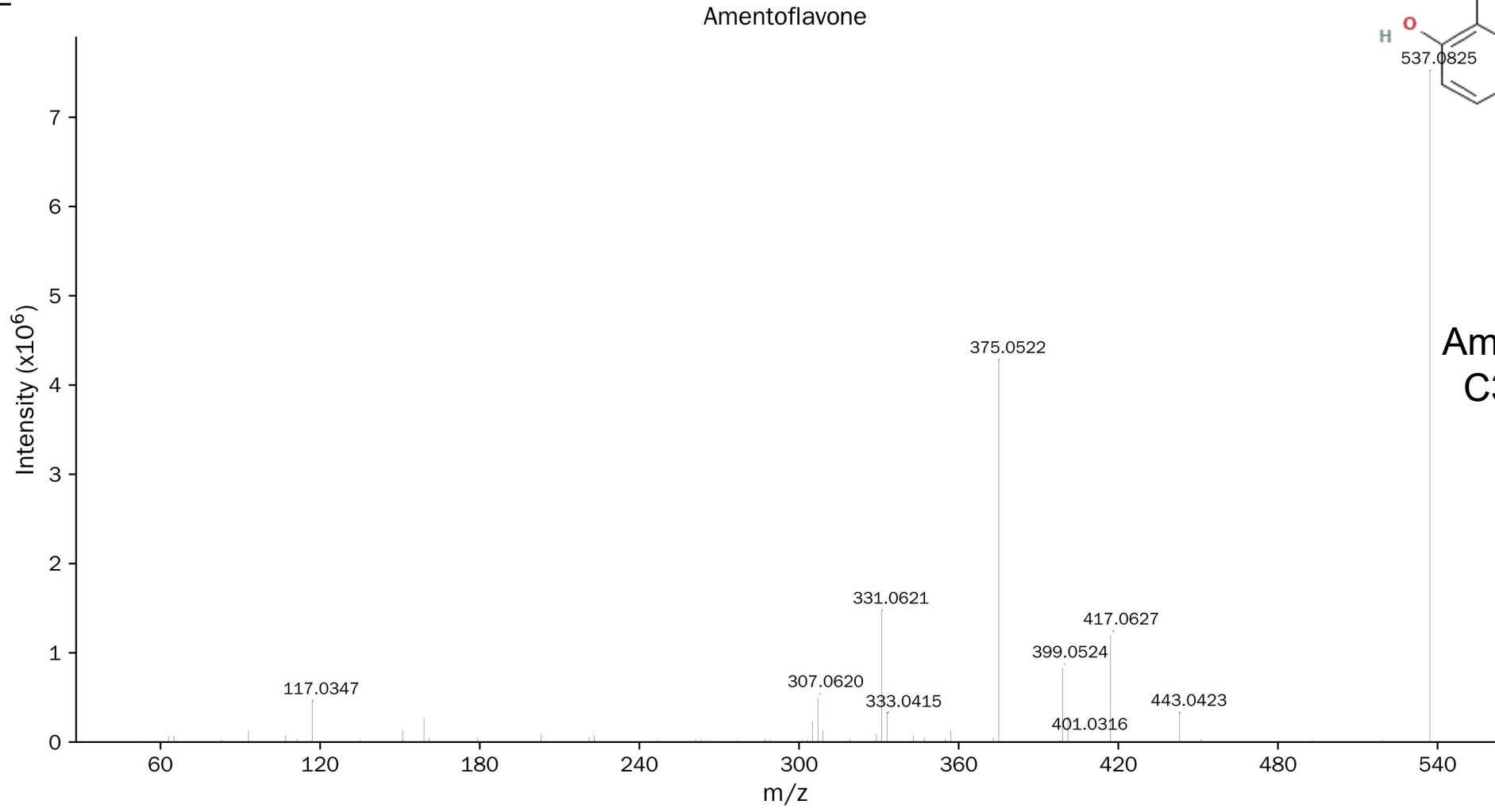
13.09_262.2296n



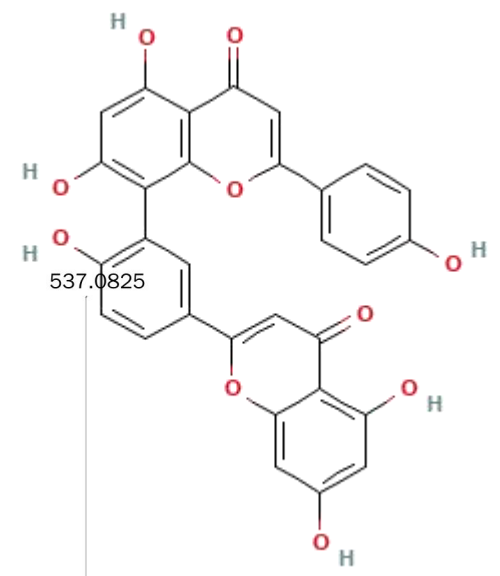
2-(5,8-Tetradecadienyl)
cyclobutanone
C18H30O

Fragmentation Score: 97.4

8.25_538.0900n



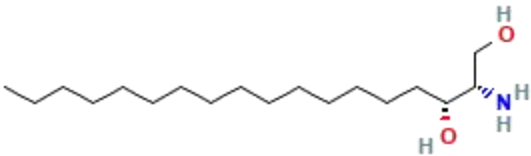
Amentoflavone



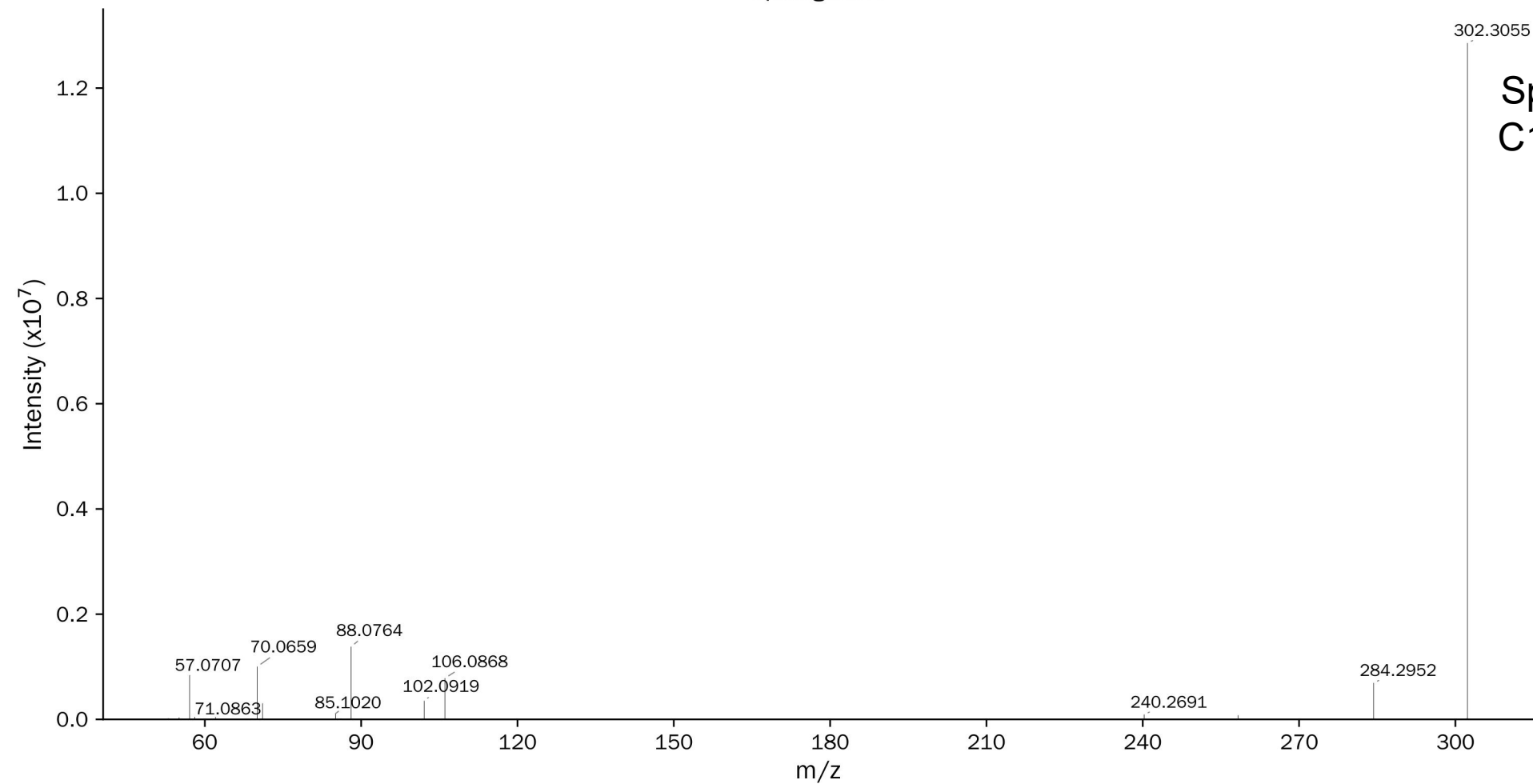
Amentoflavone
C30H18O10

Fragmentation Score: 81.3

8.77_302.3053m/z



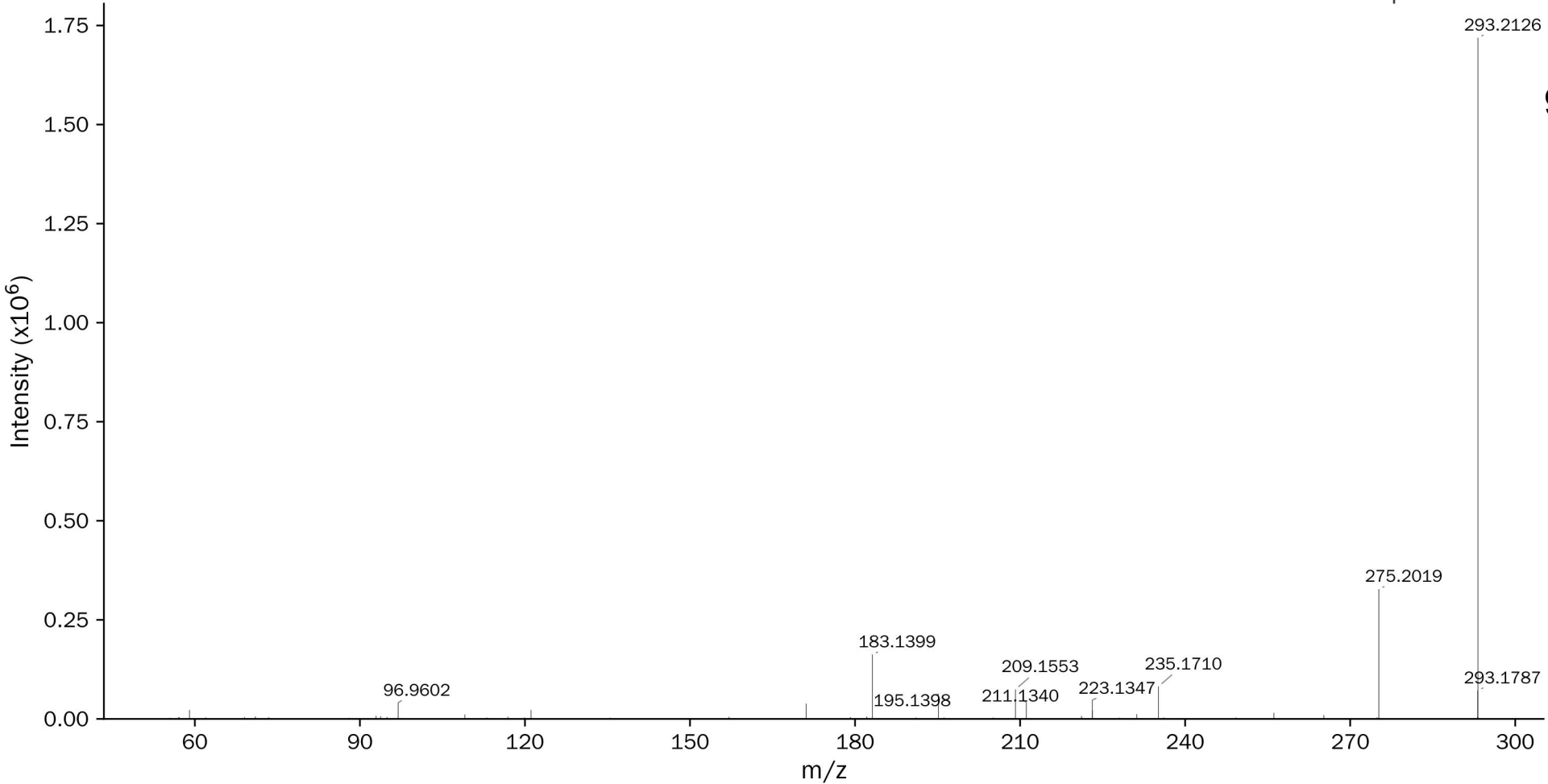
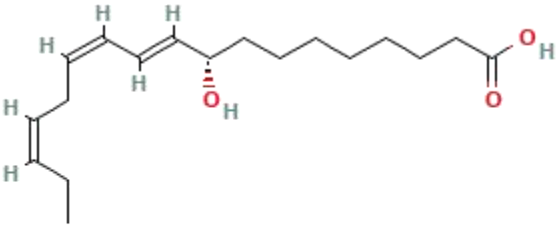
Sphinganine



Fragmentation Score: 61

10.94_293.2124m/z

9(S)-HOTrE

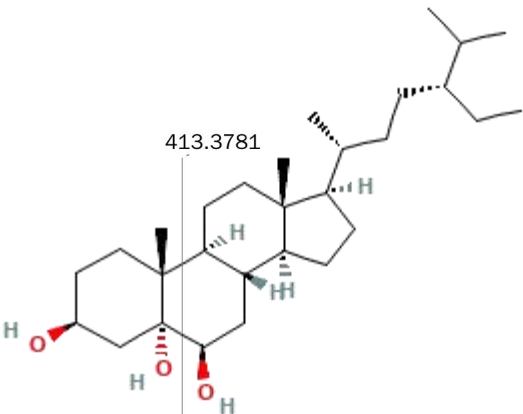
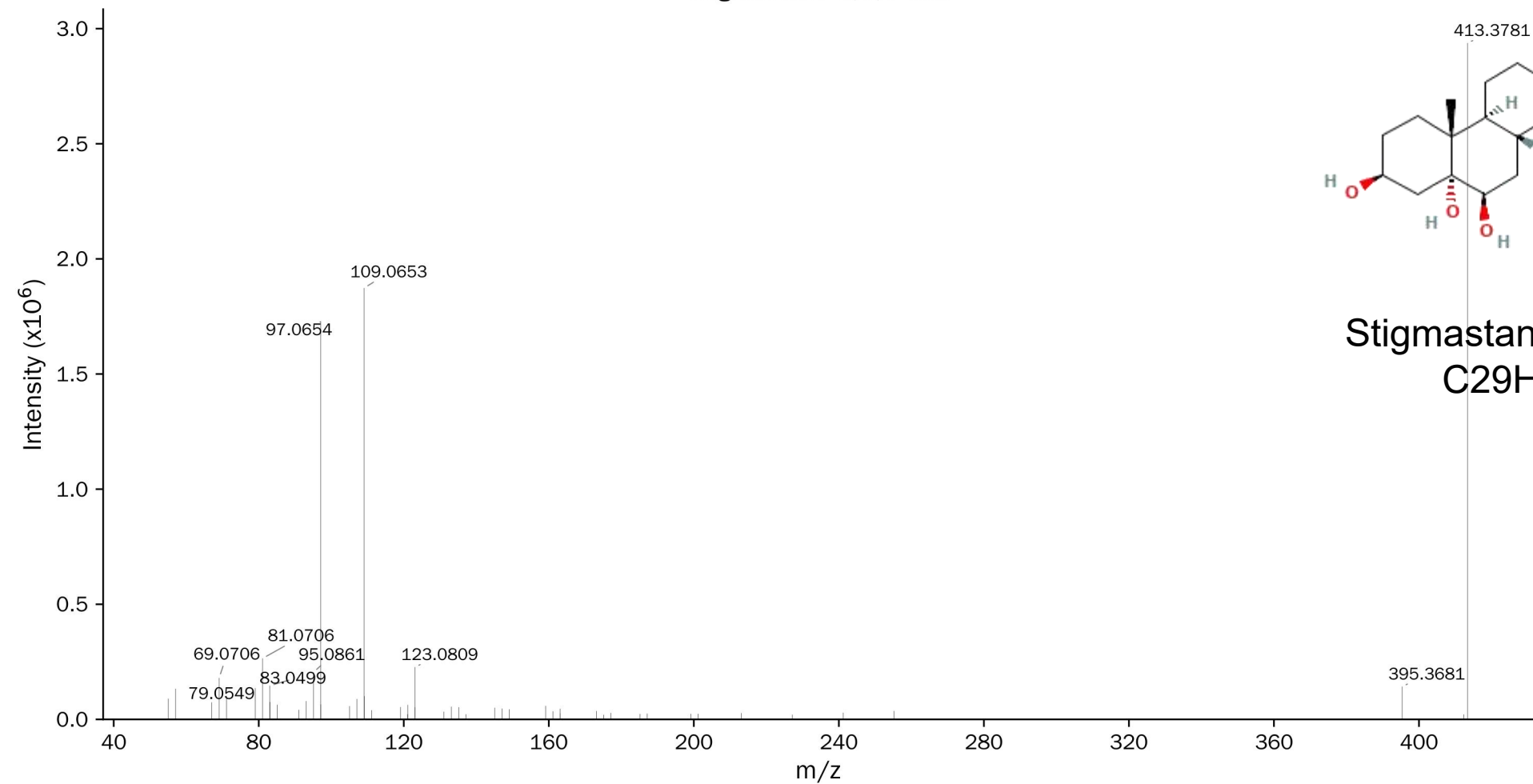


9(S)-HOTrE
C18H30O3

Fragmentation Score: 80.1

12.79_413.3780m/z

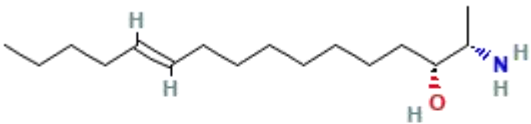
Stigmastane-3,5,6-triol



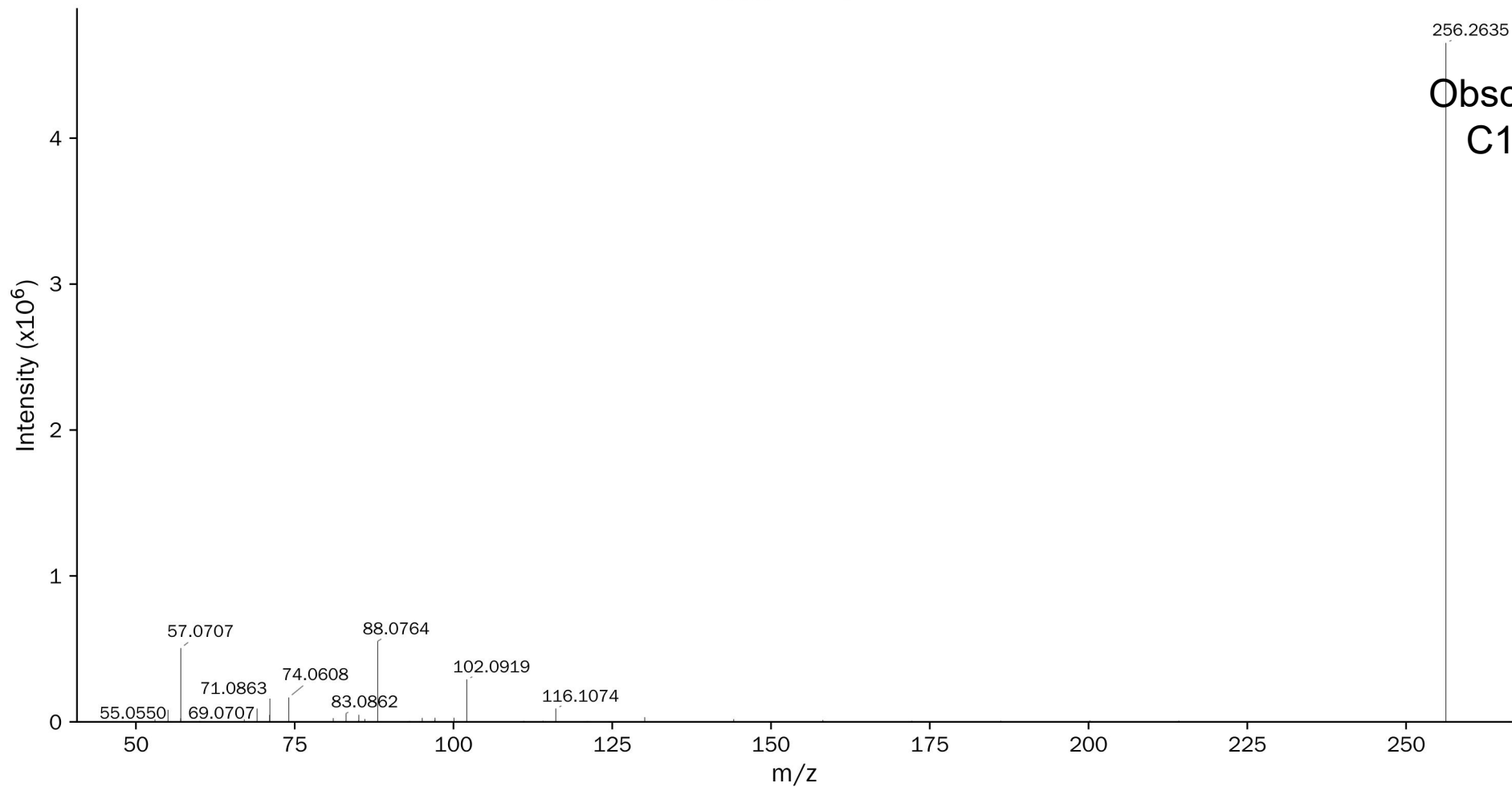
Stigmastane-3,5,6-triol
C₂₉H₅₂O₃

Fragmentation Score: 59.5

13.67_255.2561n



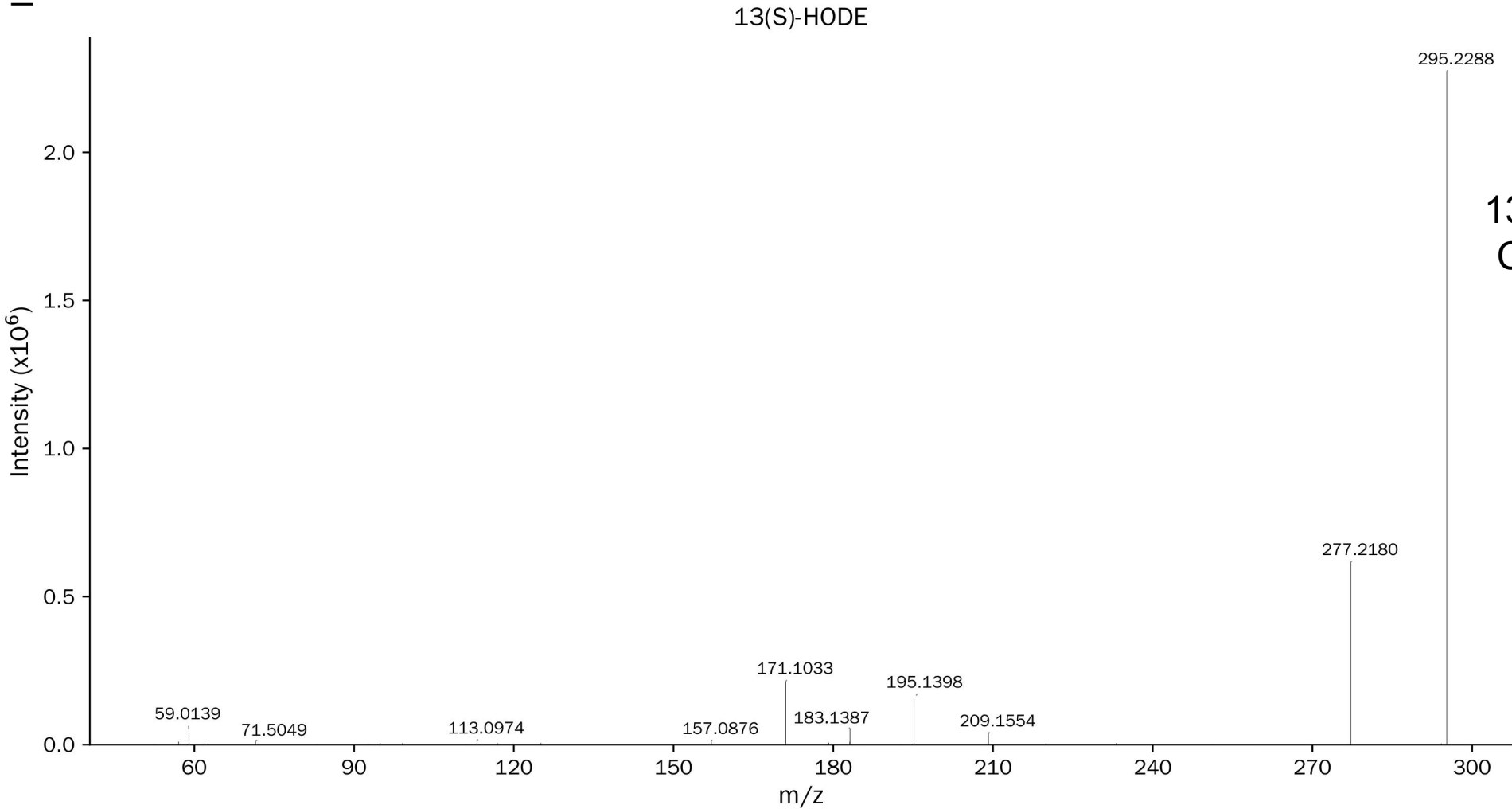
Obscuraminol E



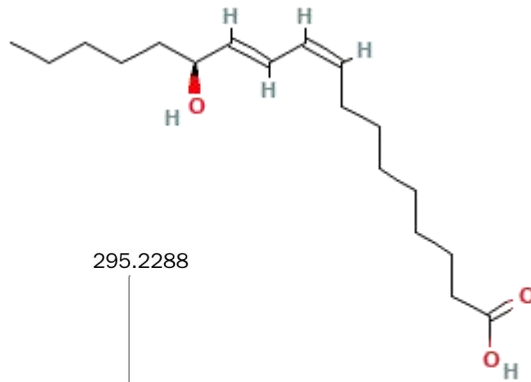
Obscuraminol E
C16H33NO

Fragmentation Score: 58.7

11.45_296.2358n



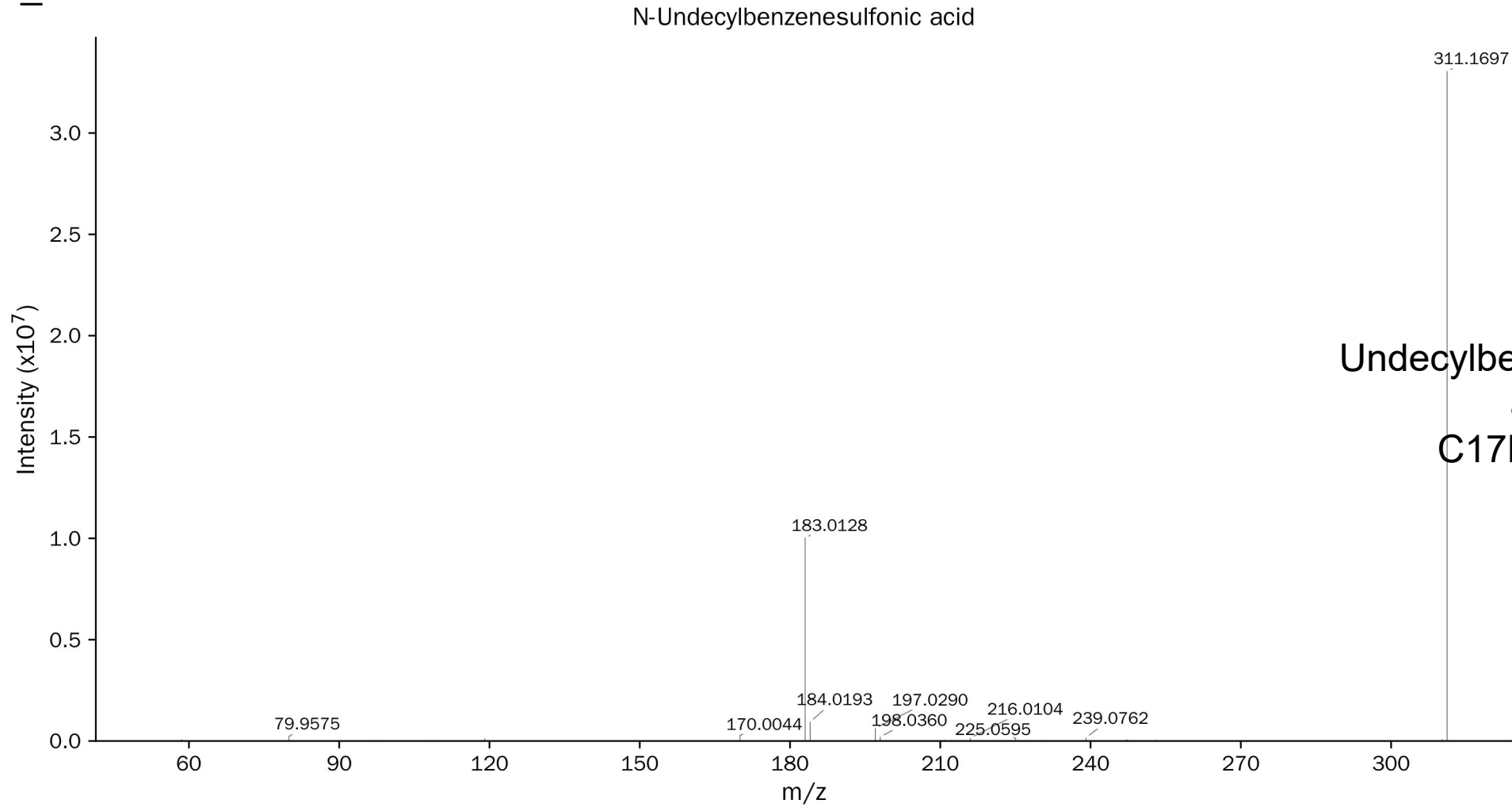
13(S)-HODE



13(S)-HODE
C18H32O3

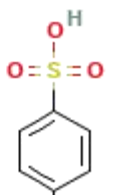
Fragmentation Score: 58.4

14.60_311.1691m/z



N-Undecylbenzenesulfonic acid

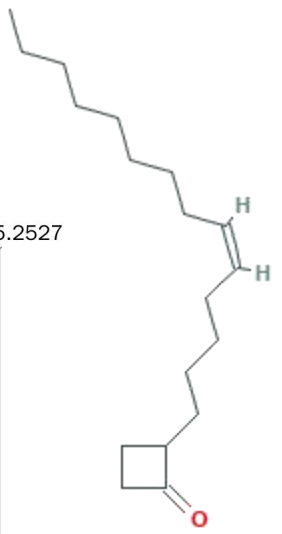
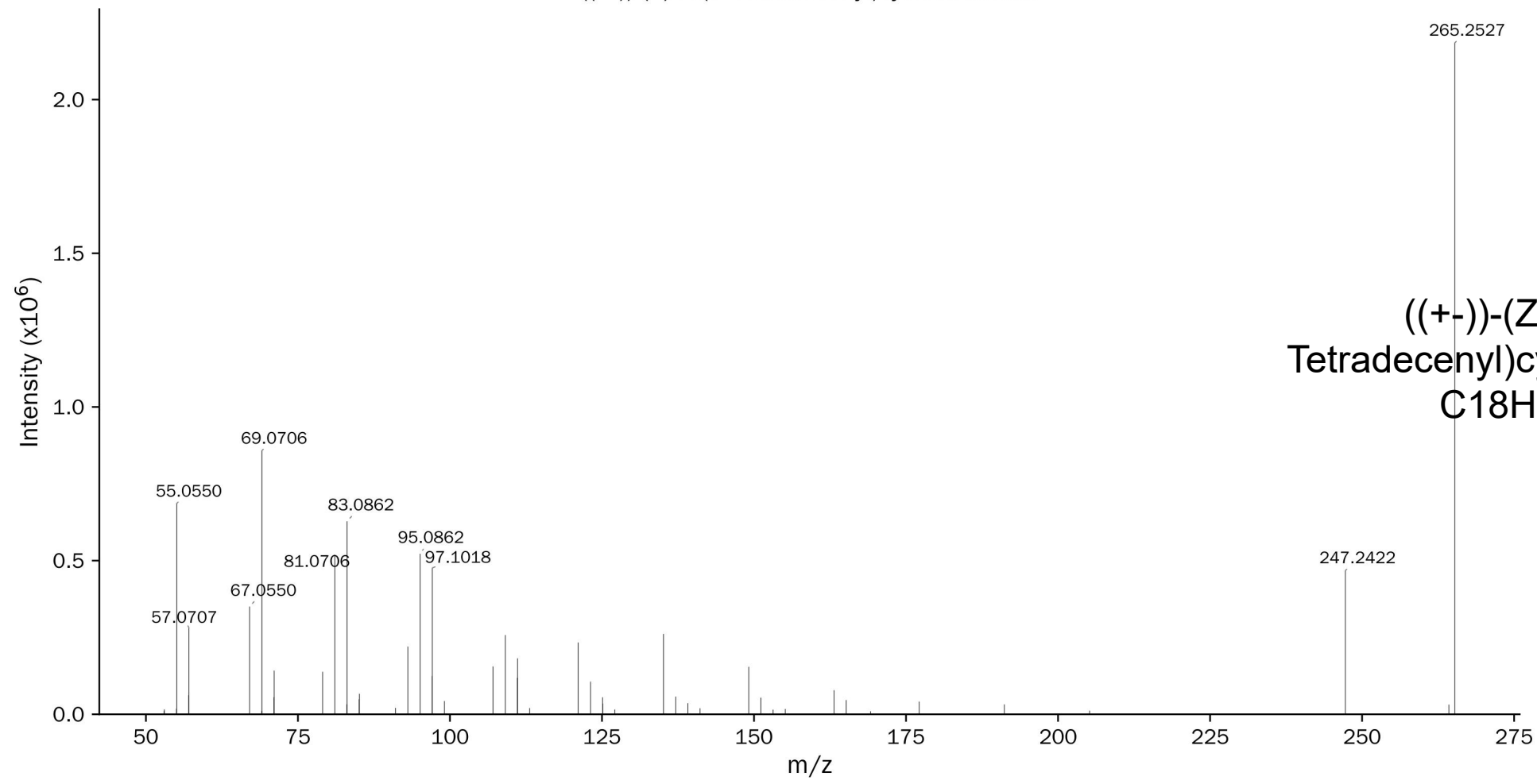
N-
Undecylbenzenesulfonic
acid
C₁₇H₂₈O₃S



Fragmentation Score: 85.3

13.93_264.2452n

((+)-)-(*Z*)-2-(5-Tetradecenyl)cyclobutanone

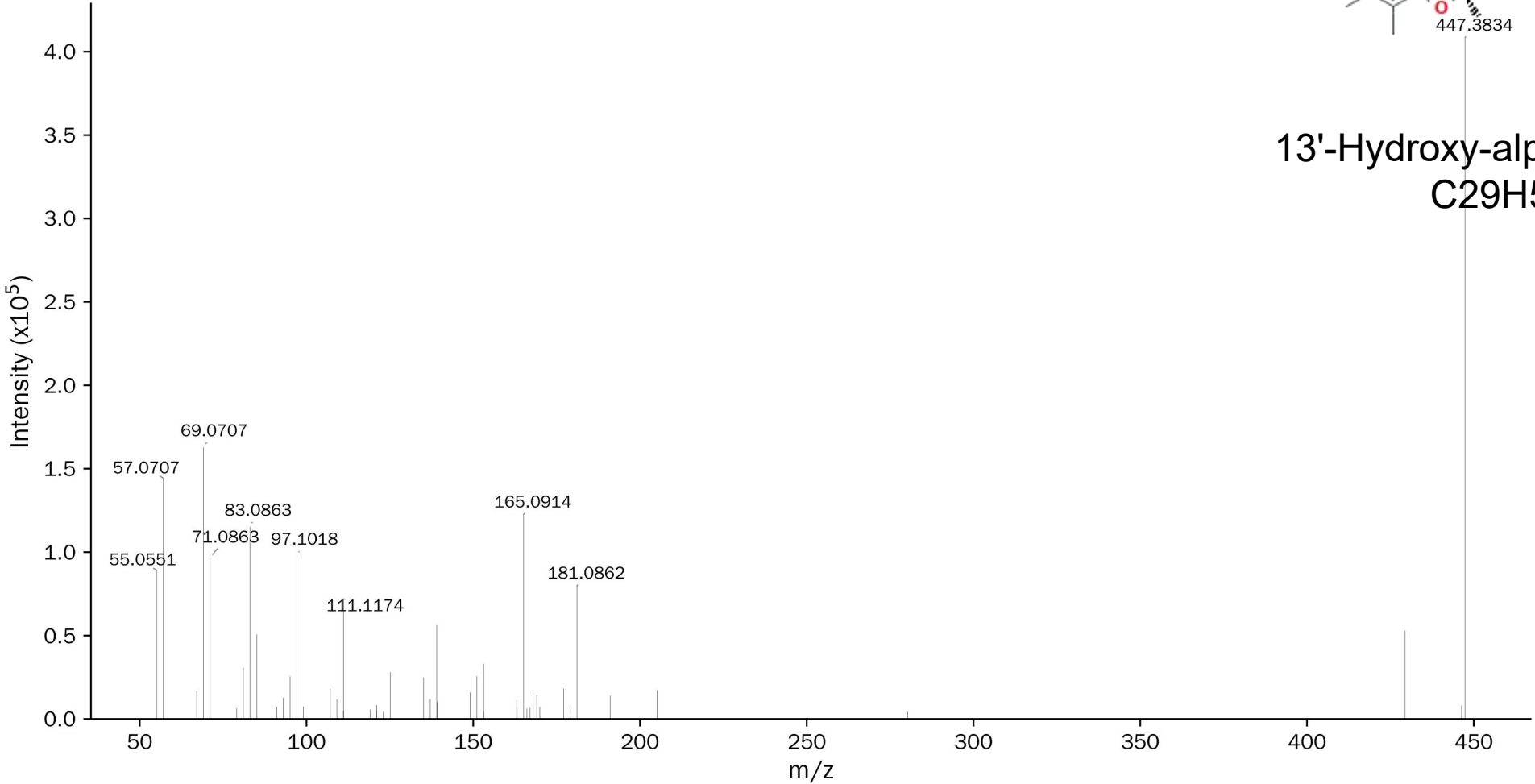
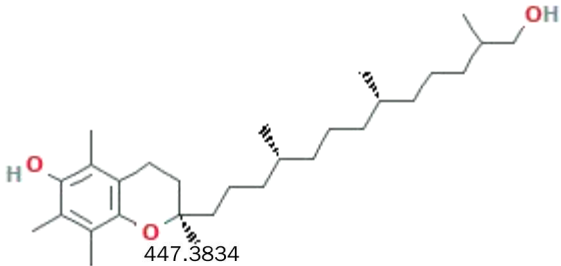


((+)-)-(*Z*)-2-(5-Tetradecenyl)cyclobutanone
C₁₈H₃₂O

Fragmentation Score: 69.9

14.27_446.3762n

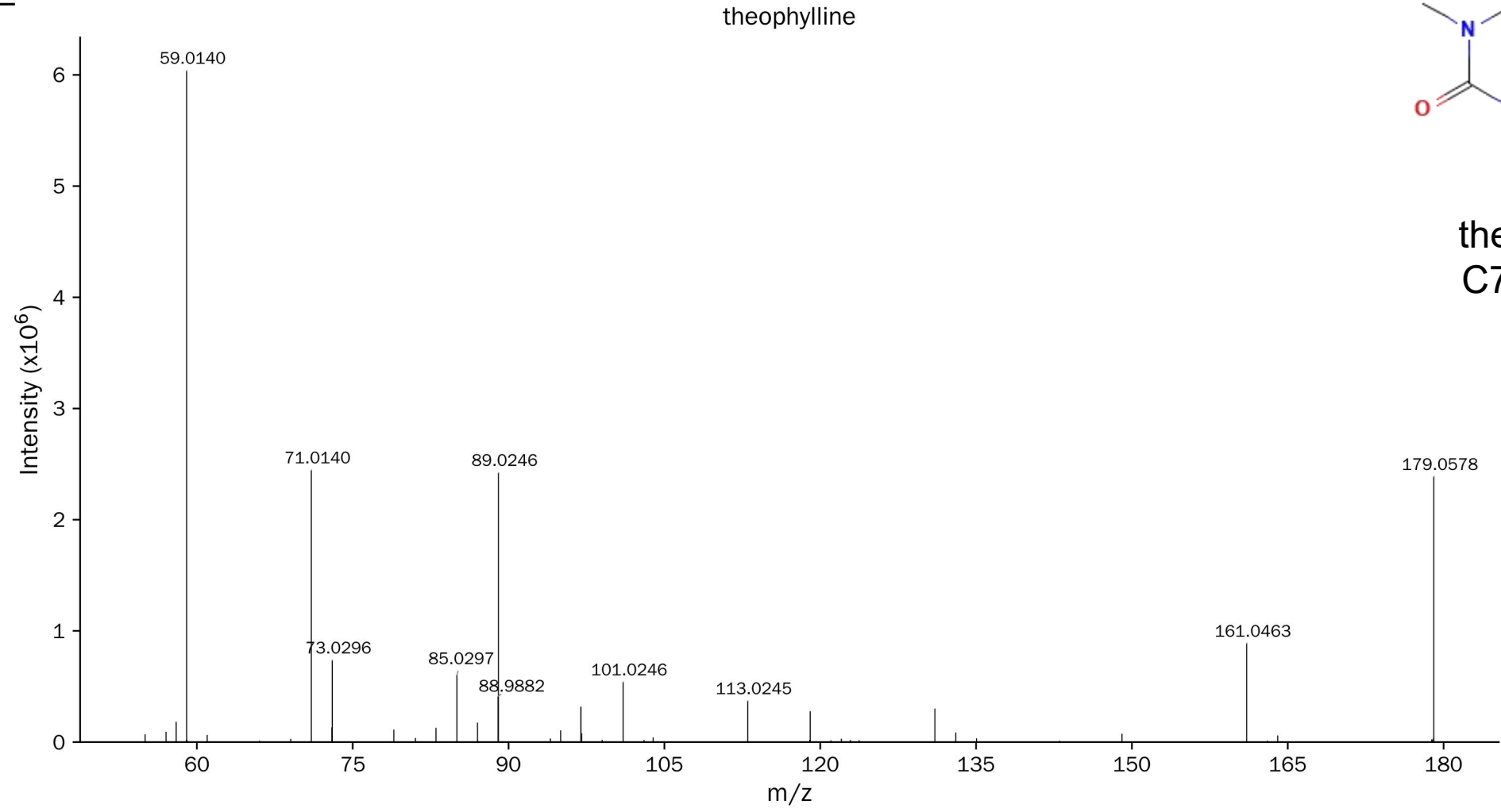
13'-Hydroxy-alpha-tocopherol



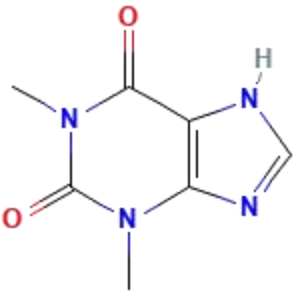
13'-Hydroxy-alpha-tocopherol
C₂₉H₅₀O₃

Fragmentation Score: 60.4

0.79_180.0639n



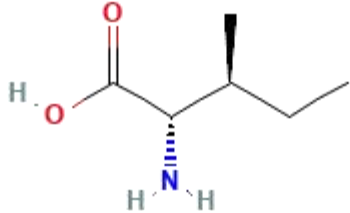
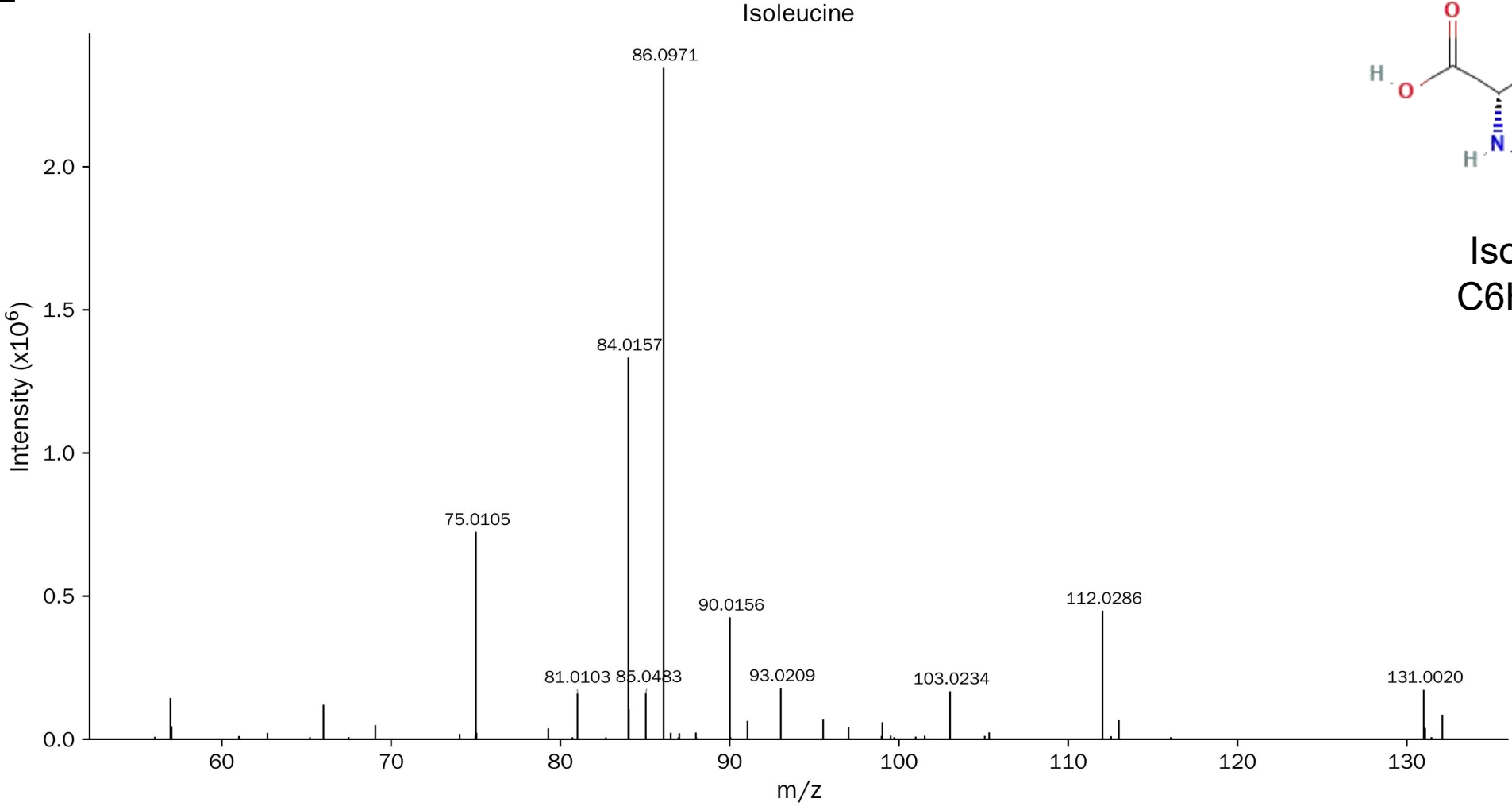
theophylline



theophylline
C₇H₈N₄O₂

Fragmentation Score: 50.6

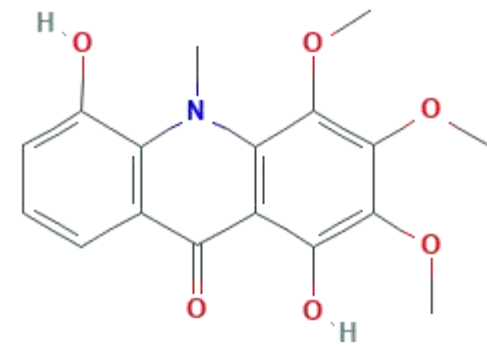
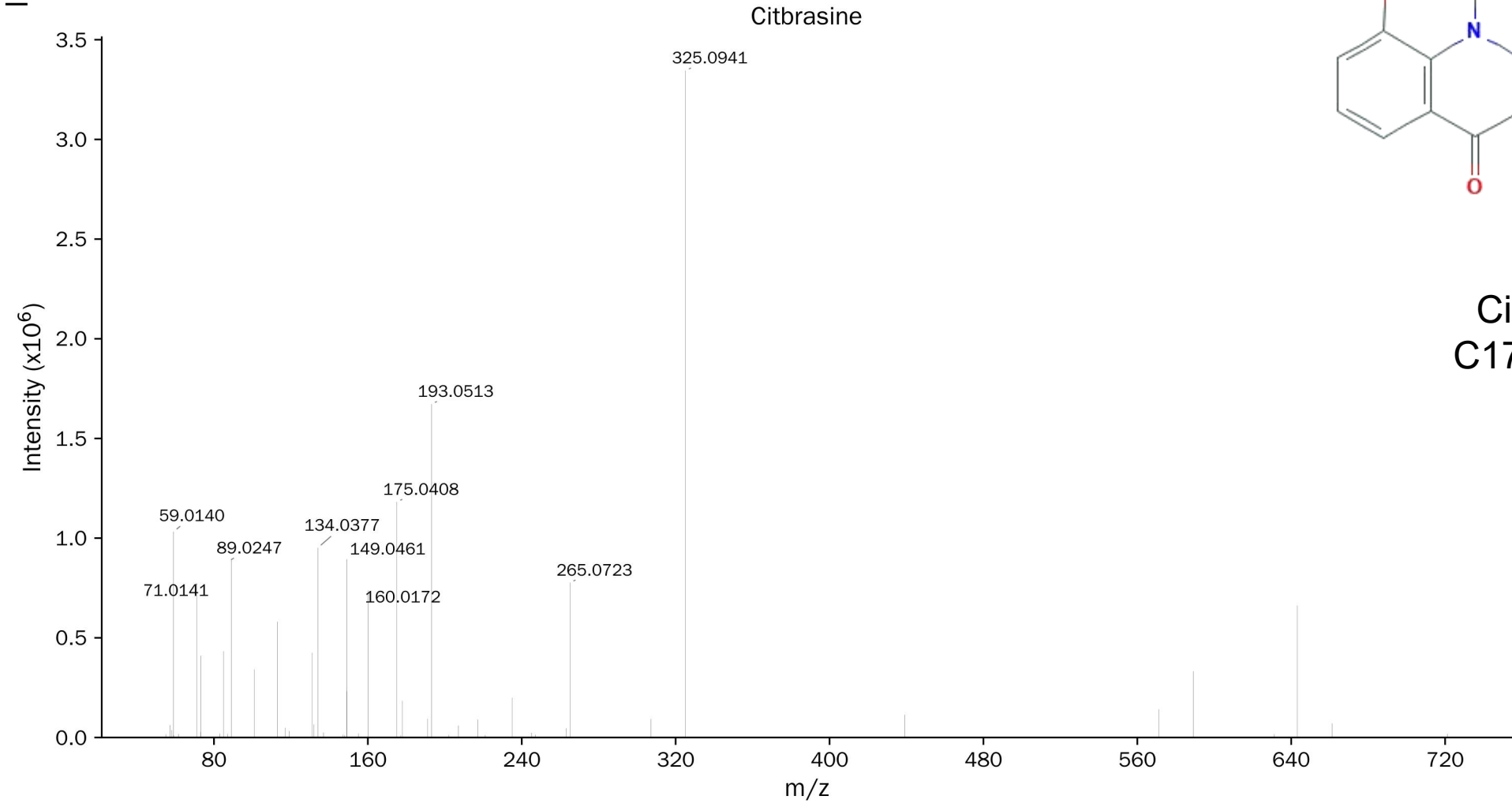
1.23_132.1021m/z



Isoleucine
C₆H₁₃NO₂

Fragmentation Score: 53.4

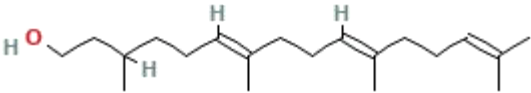
4.99_721.2268m/z



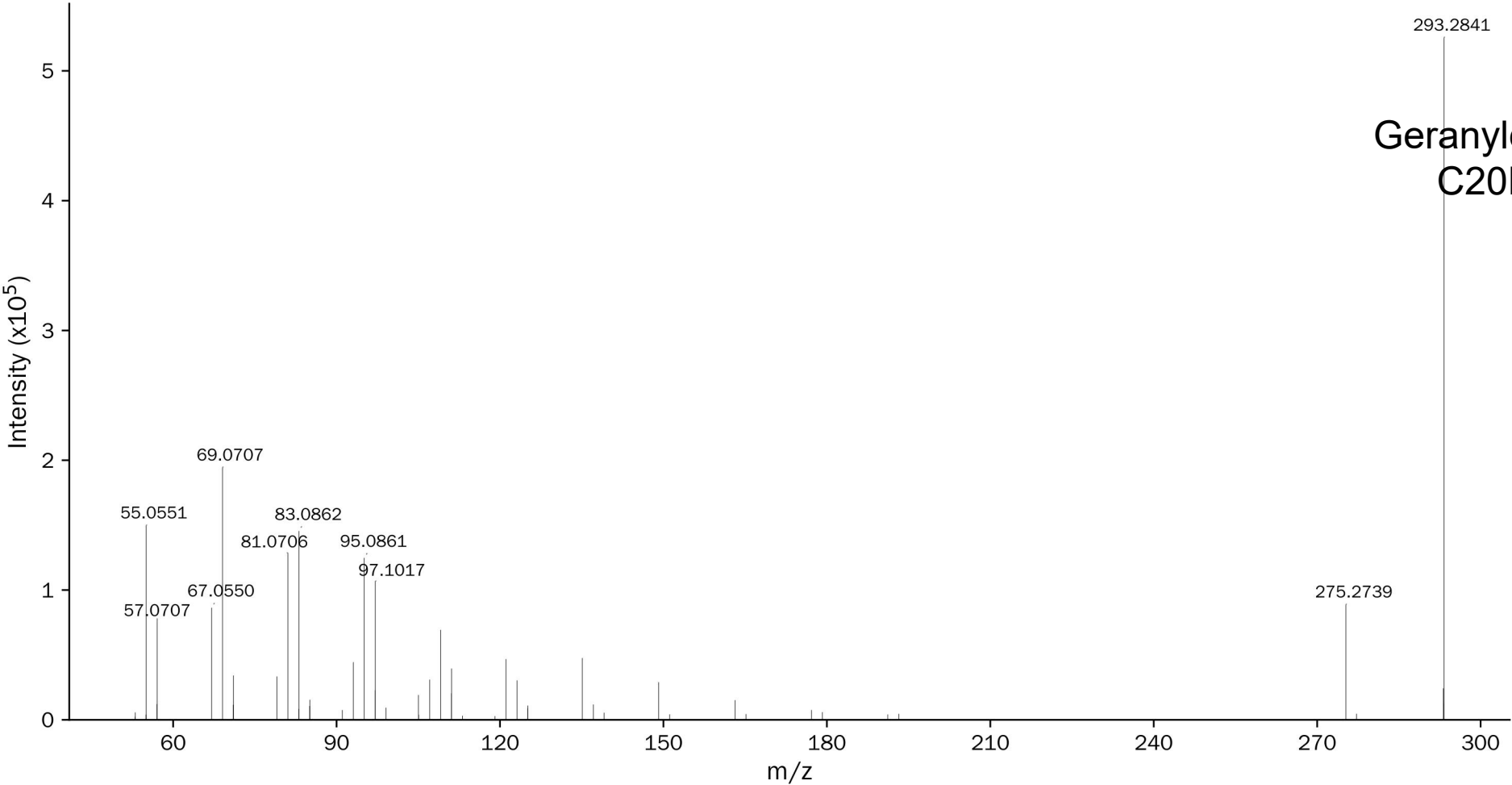
Citbrasmine
C17H17NO6

Fragmentation Score: 56.5

12.18_292.2767n



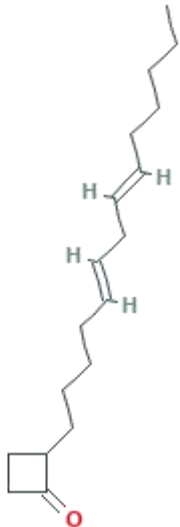
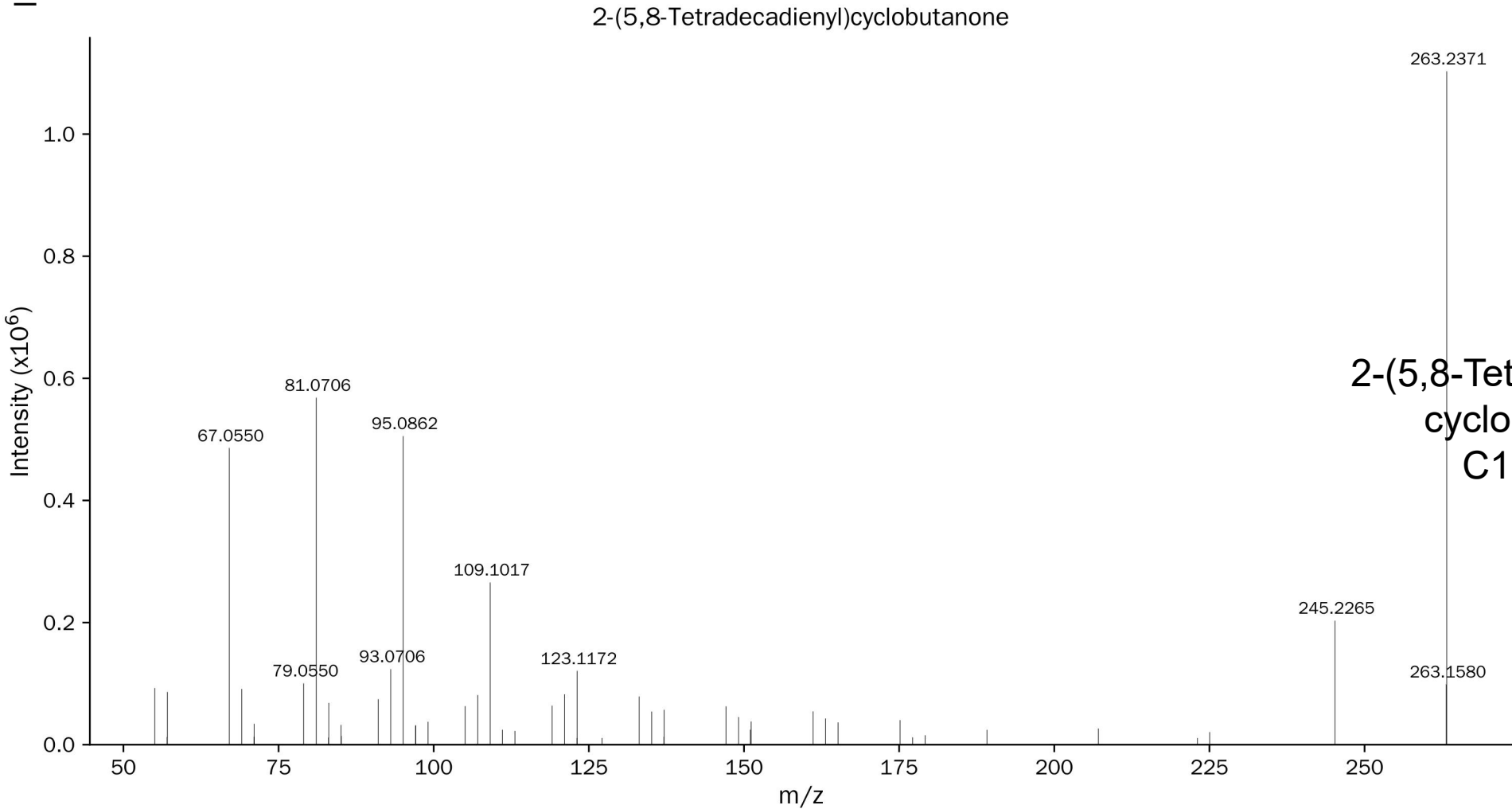
Geranylcitronellol



Geranylcitronellol
C₂₀H₃₆O

Fragmentation Score: 69

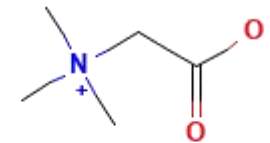
13.09_262.2296n



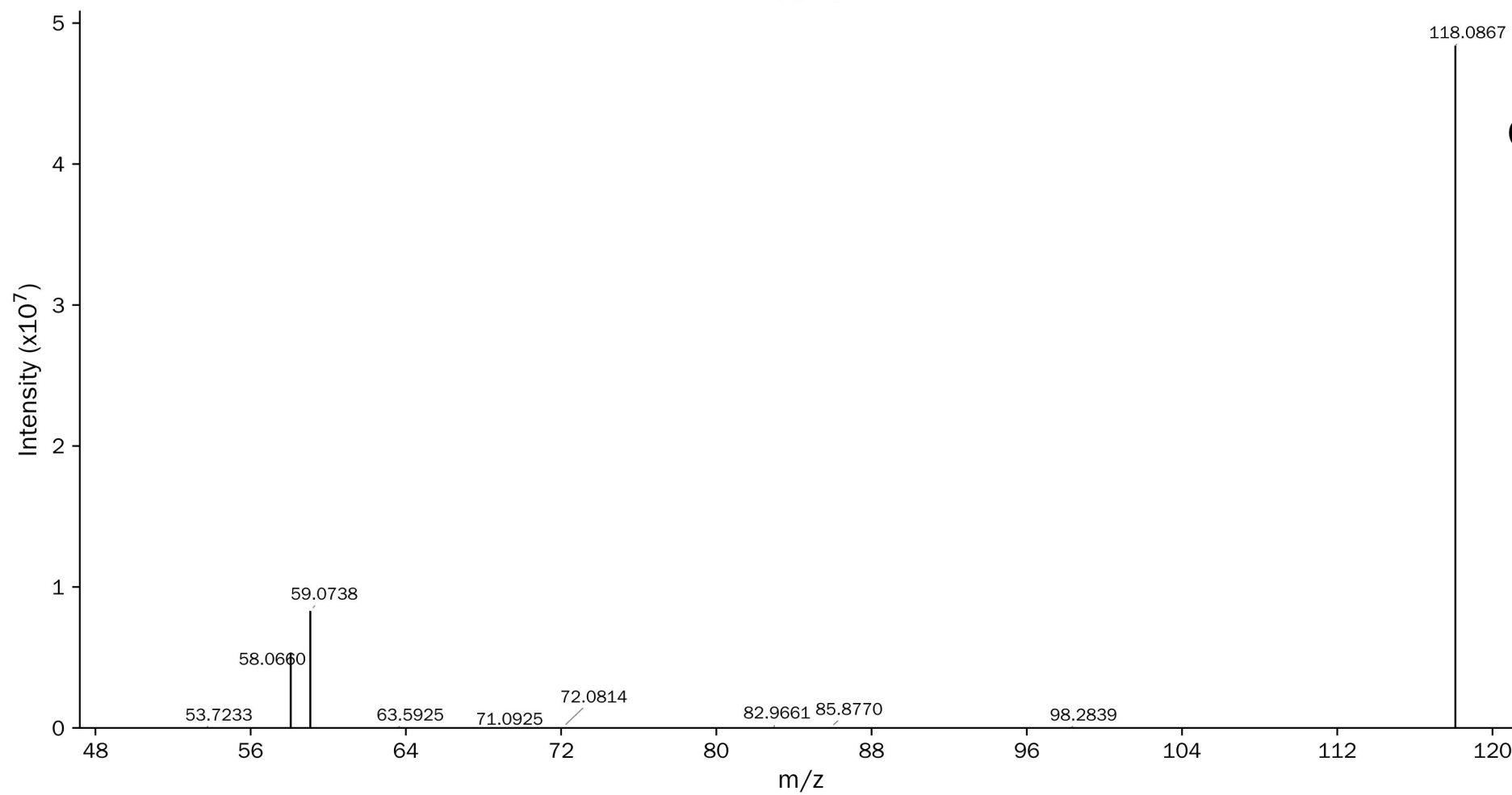
2-(5,8-Tetradecadienyl)
cyclobutanone
C18H30O

Fragmentation Score: 94.7

14.81_118.0866m/z



Betaine



Betaine
C₅H₁₁NO₂