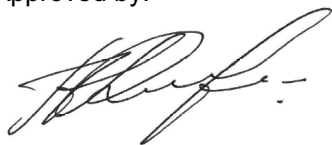


<b>Name:</b>	<b>1β-Hydroxydeoxycholelic Acid-D4 (major)</b>
<b>Lot#:</b>	GR-7-031
<b>Test Date:</b>	03/13/2020 (re-test date: 03/13/2025)
<b>CAS No.:</b>	80434-32-8
<b>MF:</b>	C <sub>24</sub> H <sub>36</sub> D <sub>4</sub> O <sub>5</sub>
<b>MW:</b>	412.53
<b>Appearance:</b>	Off-white solid
<b>Purity:</b>	>95% by NMR; ~98% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms
<b>MS-ESI (-)</b>	Conforms (shows peak at m/z = 411.39 [M-H] <sup>-</sup> )
<b>Storage</b>	Store at -18°C in a dry place away from direct sunlight

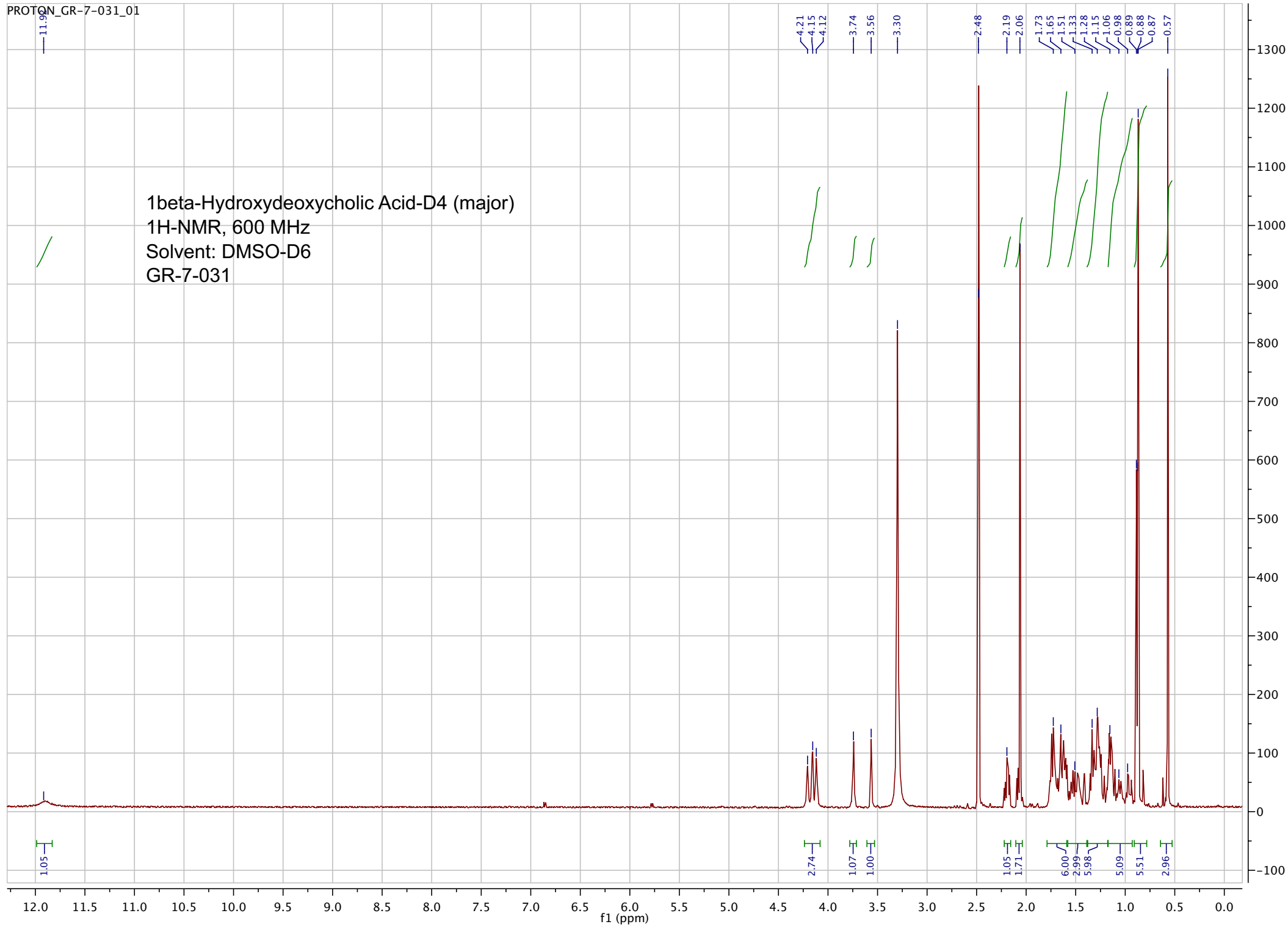
Approved by:

Date: 03/13/2020



Viorica Rusu, QC/QA Manager

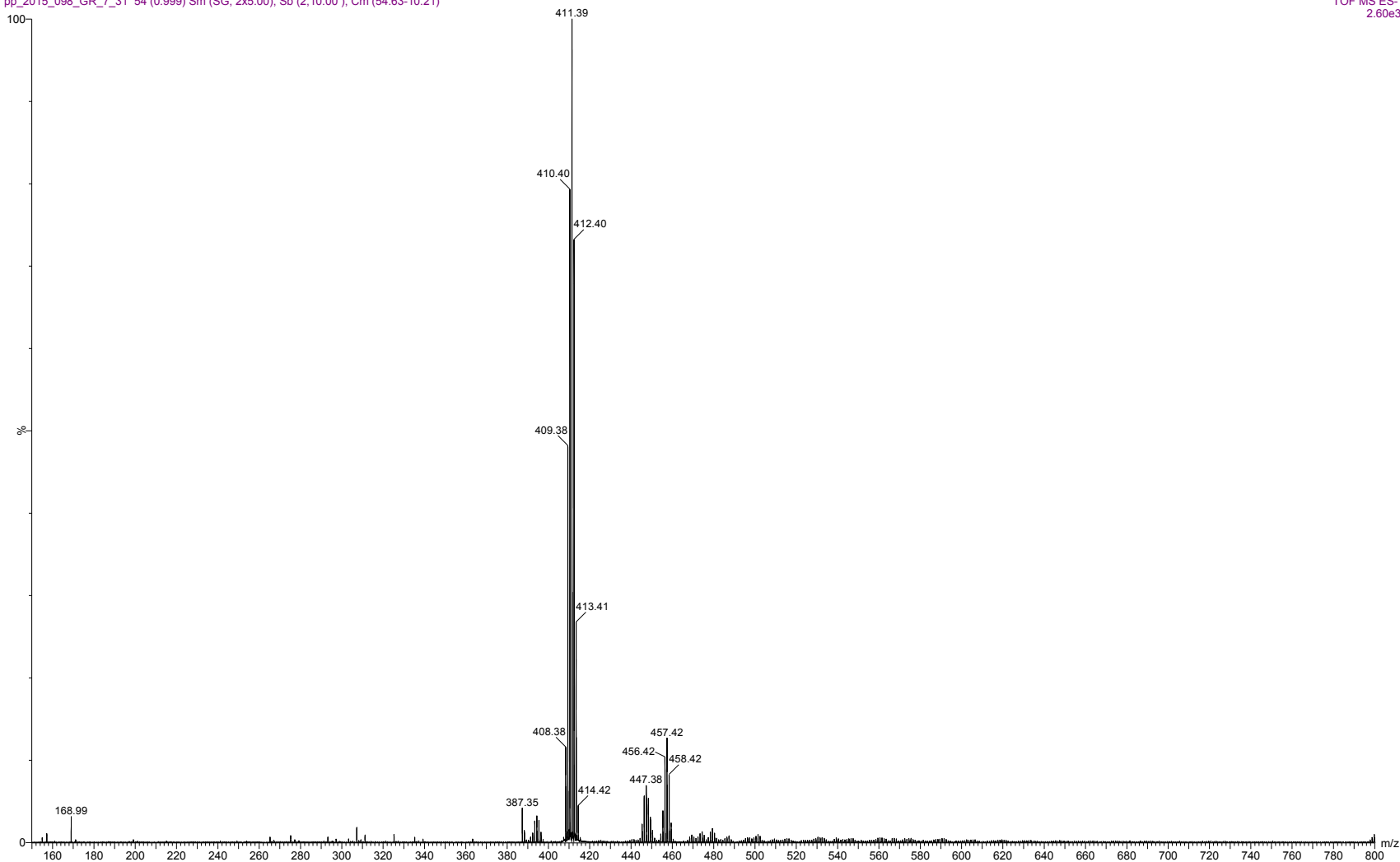
1beta-Hydroxydeoxycholic Acid-D4 (major)  
1H-NMR, 600 MHz  
Solvent: DMSO-D6  
GR-7-031



pp\_2015\_098\_GR\_7\_31 54 (0.999) Sm (SG, 2x5.00); Sb (2,10.00); Cm (54:63-10:21)

5.0000000

27-Nov-2015, 10:38:43  
TOF MS ES-  
2.60e3

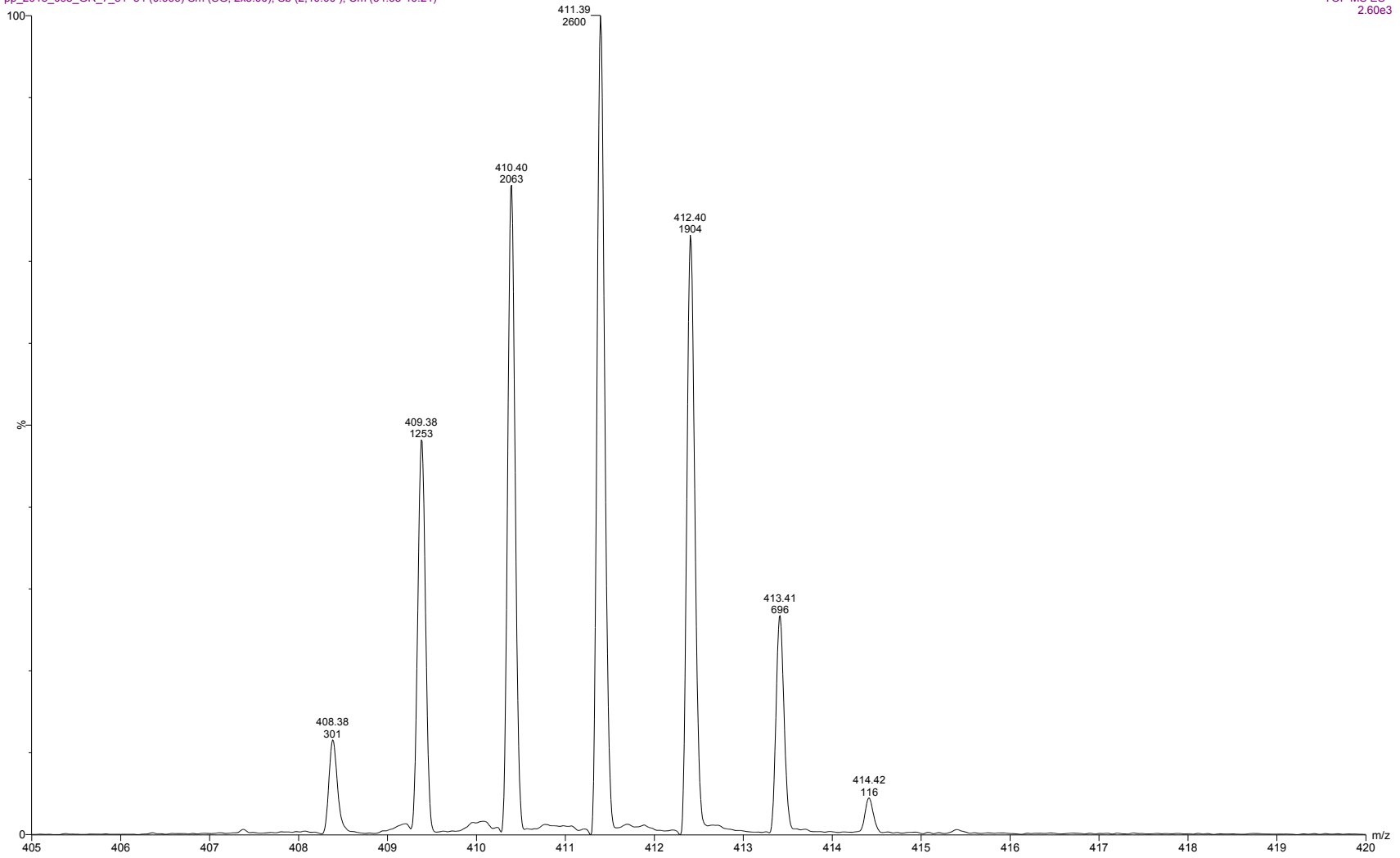


ESI-MS spectrum for sample GR-7-31. Shows monoisotopic [M-H]- mass.

pp\_2015\_098\_GR\_7\_31 54 (0.999) Sm (SG, 2x5.00); Sb (2,10.00); Cm (54:63-10:21)

5.0000000

27-Nov-2015, 10:38:43  
TOF MS ES-  
2.60e3



Intensity annotation for specific m/z range as requested. (expansion of above)