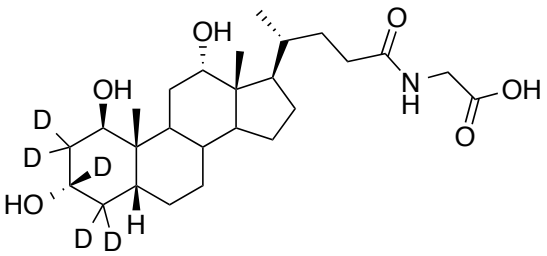
Certificate of Analysis



Name:	**1β-Hydroxyglycodeoxycholic Acid-D4 (major)**
Lot#:	GR-10-195
Test Date:	11/18/2022 (re-test date: 11/18/2027)
CAS No.:	NA
MF:	$C_{26}H_{39}D_4NO_6$
MW:	469.66
Appearance:	White solid
Purity:	>95% by NMR; TLC – one spot (eluent EtOAc); >98% atom D
^{1}H-NMR:	Conforms
MS-ESI (-)	Conforms (shows peak at m/z = 468.33 $[M-H]^-$)
Storage	Store at -18°C in a dry place away from direct sunlight

Approved by:

Date: 11/18/2022

Viorica Rusu, QC/QA Manager

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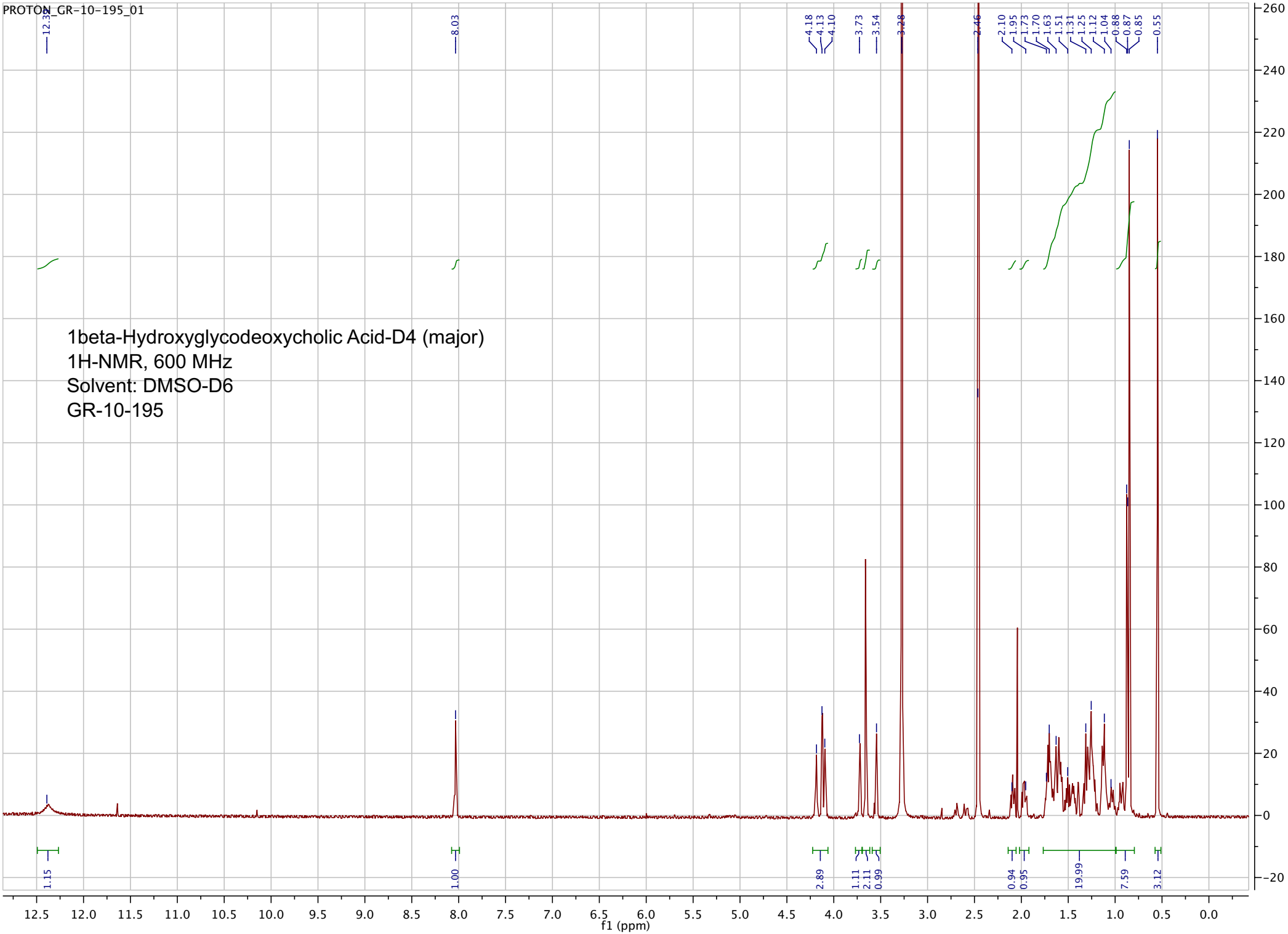
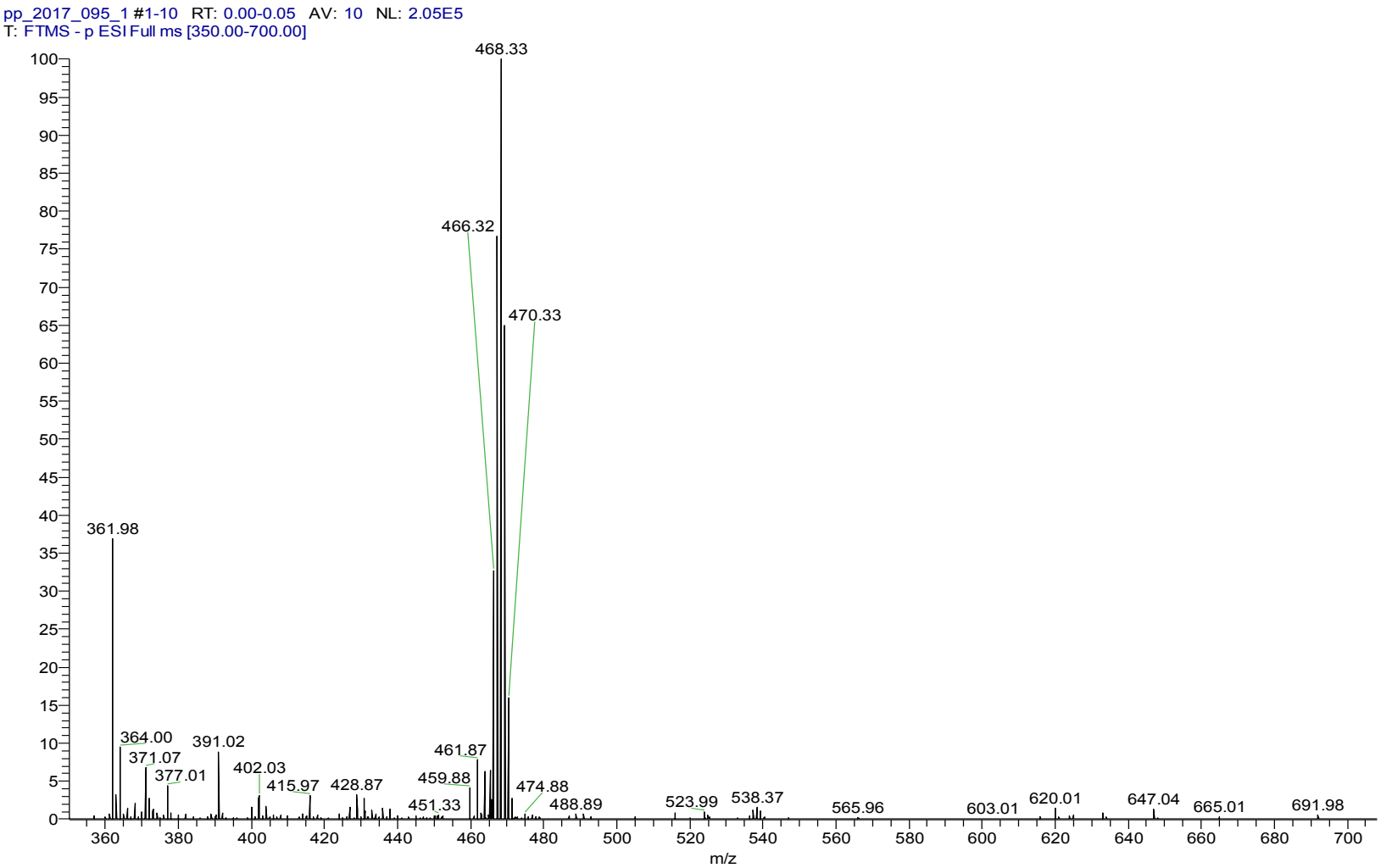
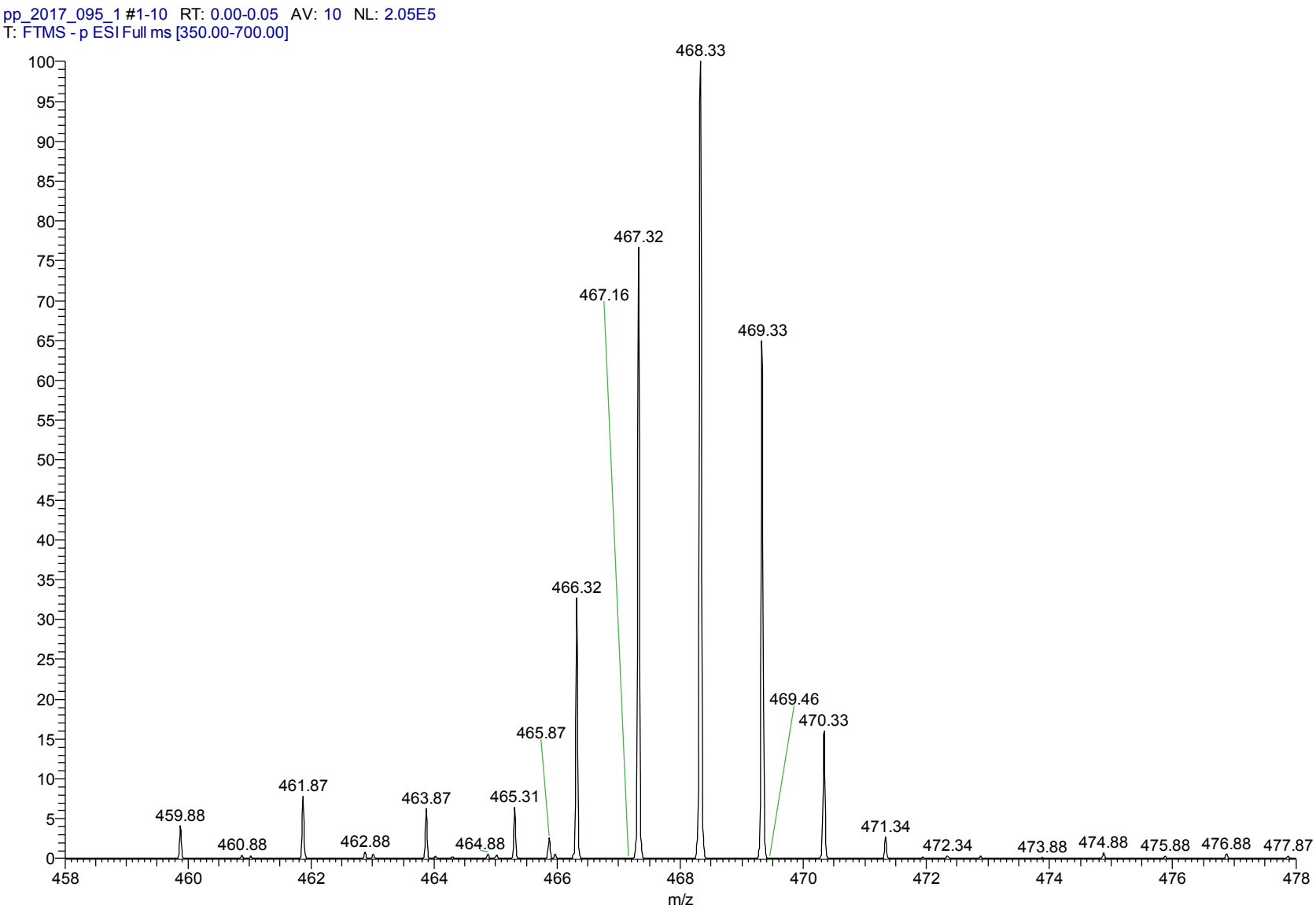

PROTON_GR-10-195_01
1beta-Hydroxyglycodeoxycholic Acid-D4 (major)
1H-NMR, 600 MHz
Solvent: DMSO-D6
GR-10-195
12.39
8.03
4.18
4.13
4.10
3.73
3.54
3.28
2.46
2.10
1.95
1.73
1.70
1.63
1.51
1.31
1.25
1.12
1.04
0.88
0.87
0.85
0.55
1.15
1.00
2.89
1.11
2.11
0.99
0.94
0.95
19.99
7.59
3.12
f1 (ppm)



ESI MS spectrum acquired in FT, -ve mode for GR-10-195. Shows monoisotopic [M-H]- mass.



Expansion of above showing range 458 to 478 m/z. Normalized (to largest peak in view) intensity shown.