

Name:	Amoxicillin-D4 (major)
Lot#:	GR-6-133
Test Date:	05/06/2020 (re-test date: 05/06/2025)
CAS No.:	26787-78-0 (unlabelled)
MF:	C ₁₆ H ₁₅ D ₄ N ₃ O ₃ S
MW:	369.43
Appearance:	White Solid
Purity:	99.7% by HPLC; >98% atom D
¹H-NMR:	Conforms (contains ~33% D5 compound; shows a trace of DCM and Pivalic acid)
MS-ESI (-)	Conforms (shows peak at m/z = 368.1 [M-H] ⁻ for D4 and 369.11 [M-H] ⁻ for D5 compound; no non-deuterated compound can be detected)
Storage	Store at 0-8°C in a dry place away from direct sunlight

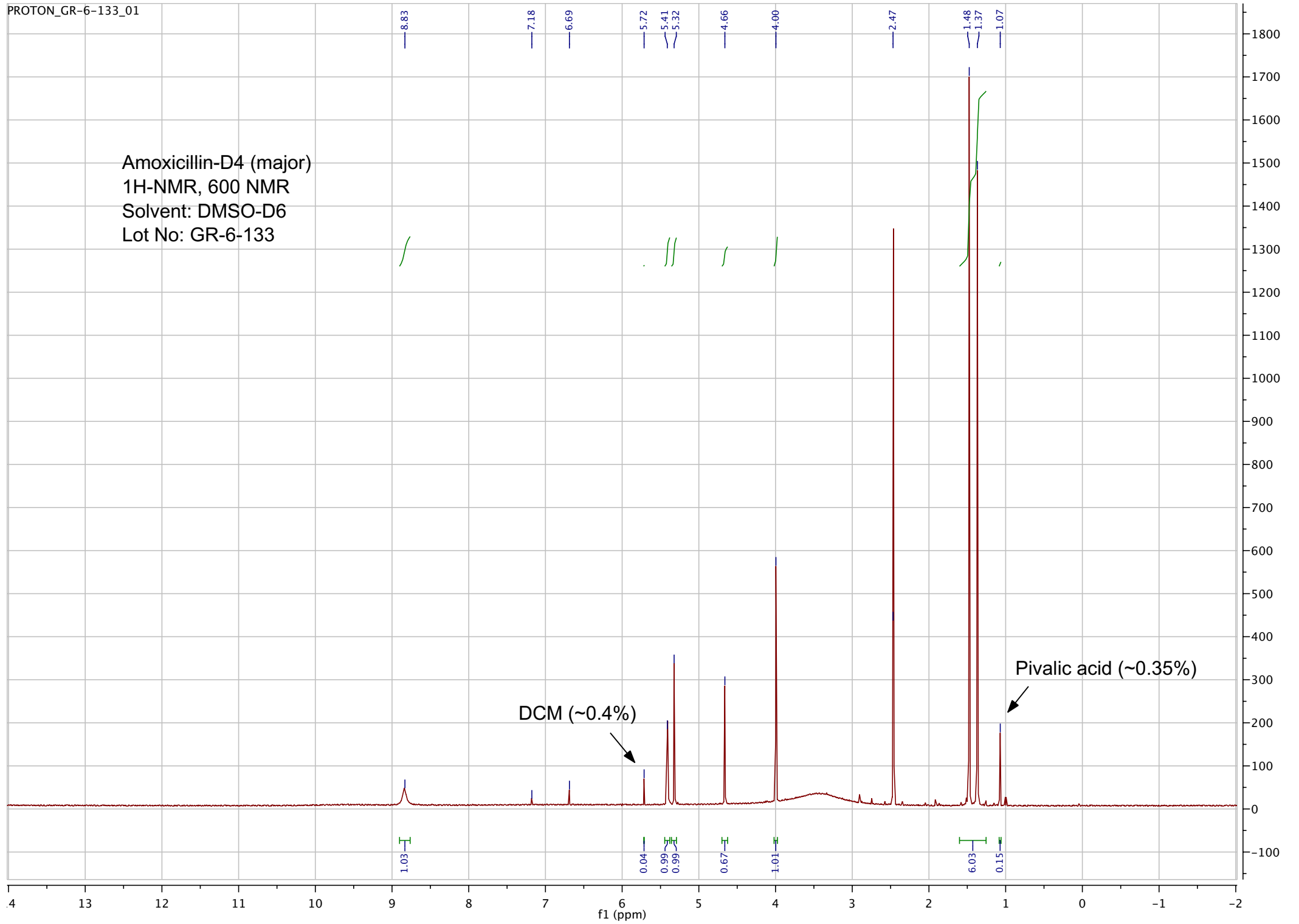
Approved by:

Date: 05/06/2020



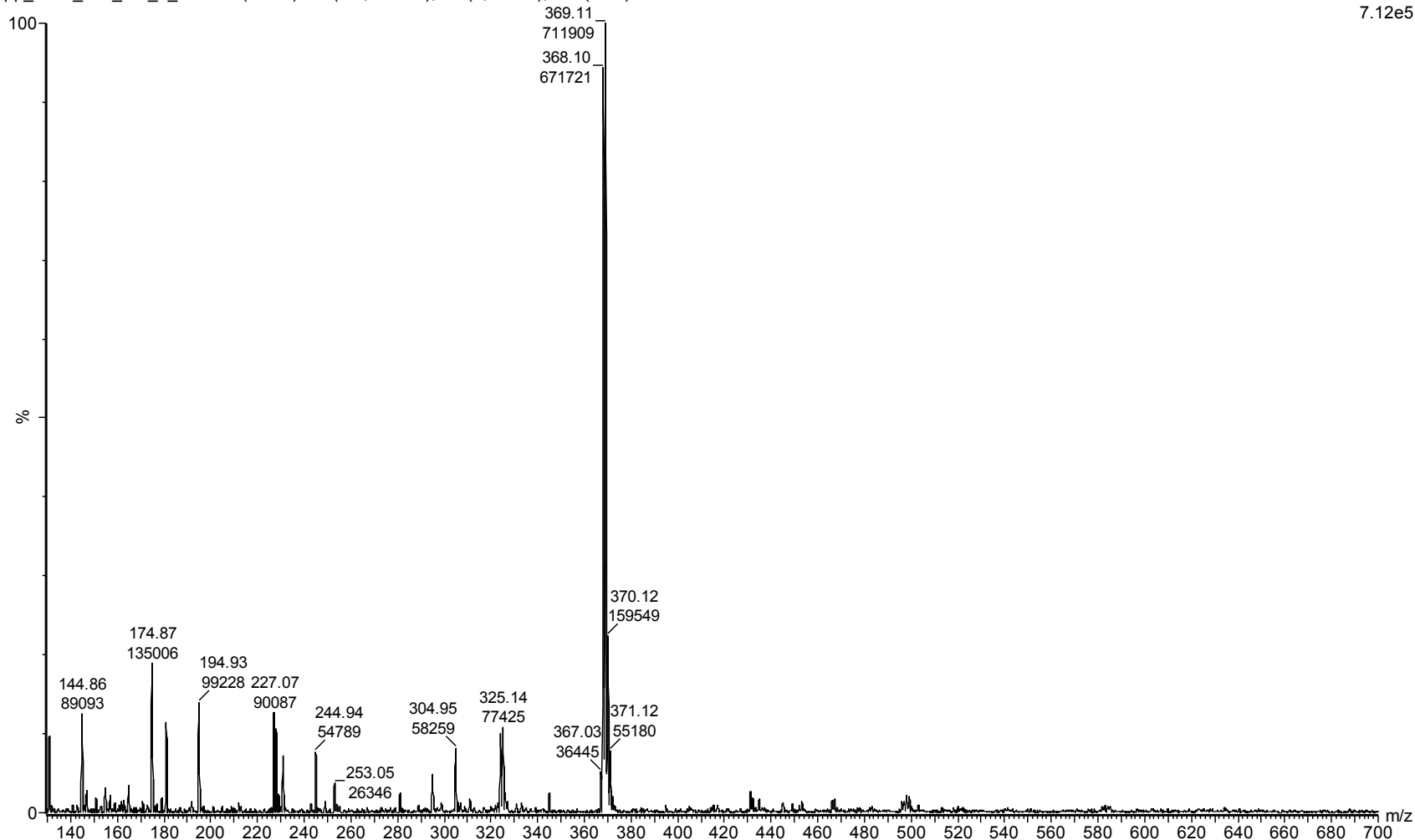
Viorica Rusu, QC/QA Manager

Amoxicillin-D4 (major)
1H-NMR, 600 NMR
Solvent: DMSO-D6
Lot No: GR-6-133



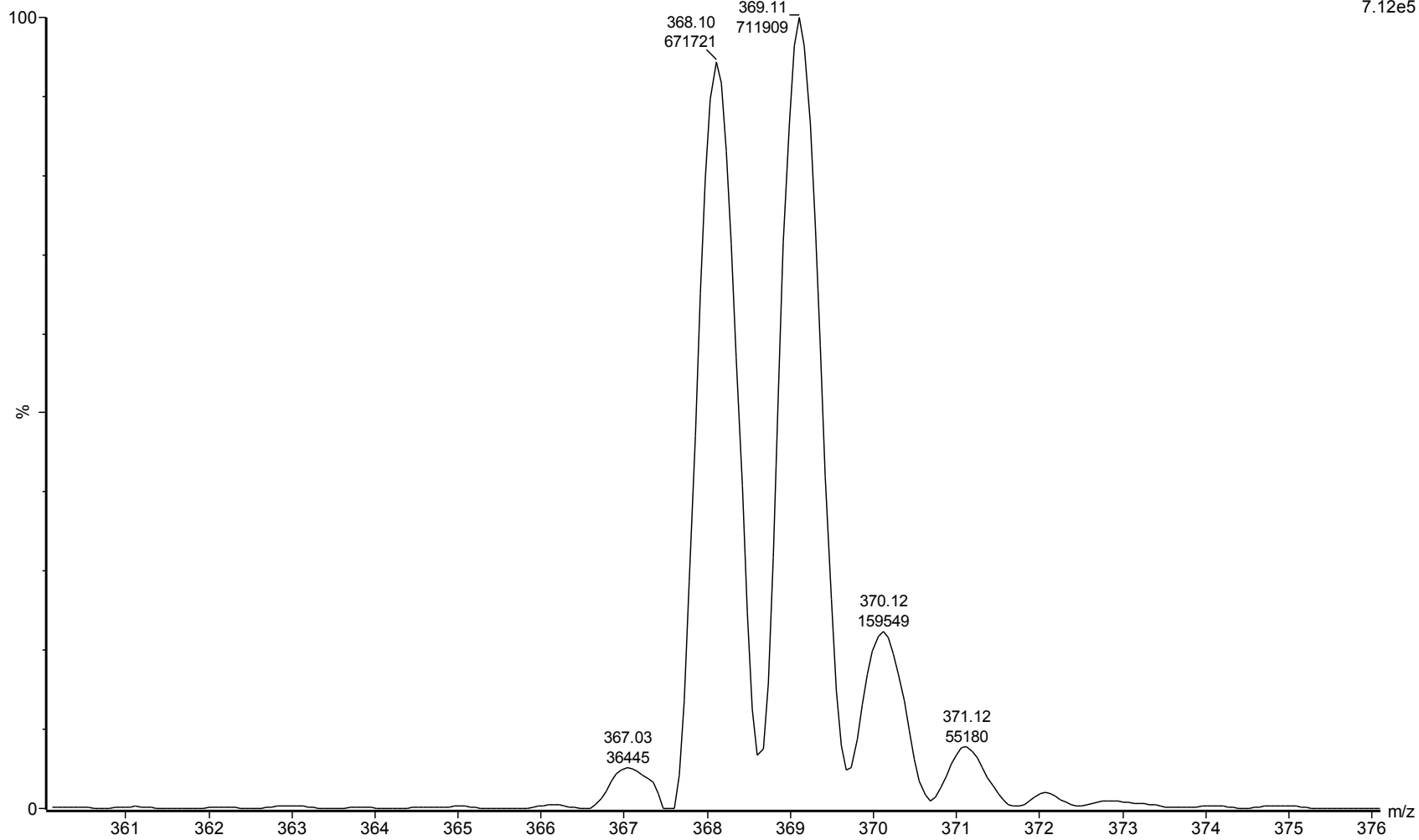
pp_2020_071_GR_6_133 12 (0.702) Sm (SG, 2x0.70); Sb (2,10.00); Cm (9:12)

Scan ES-
7.12e5



pp_2020_071_GR_6_133 12 (0.702) Sm (SG, 2x0.70); Sb (2,10.00); Cm (9:12)

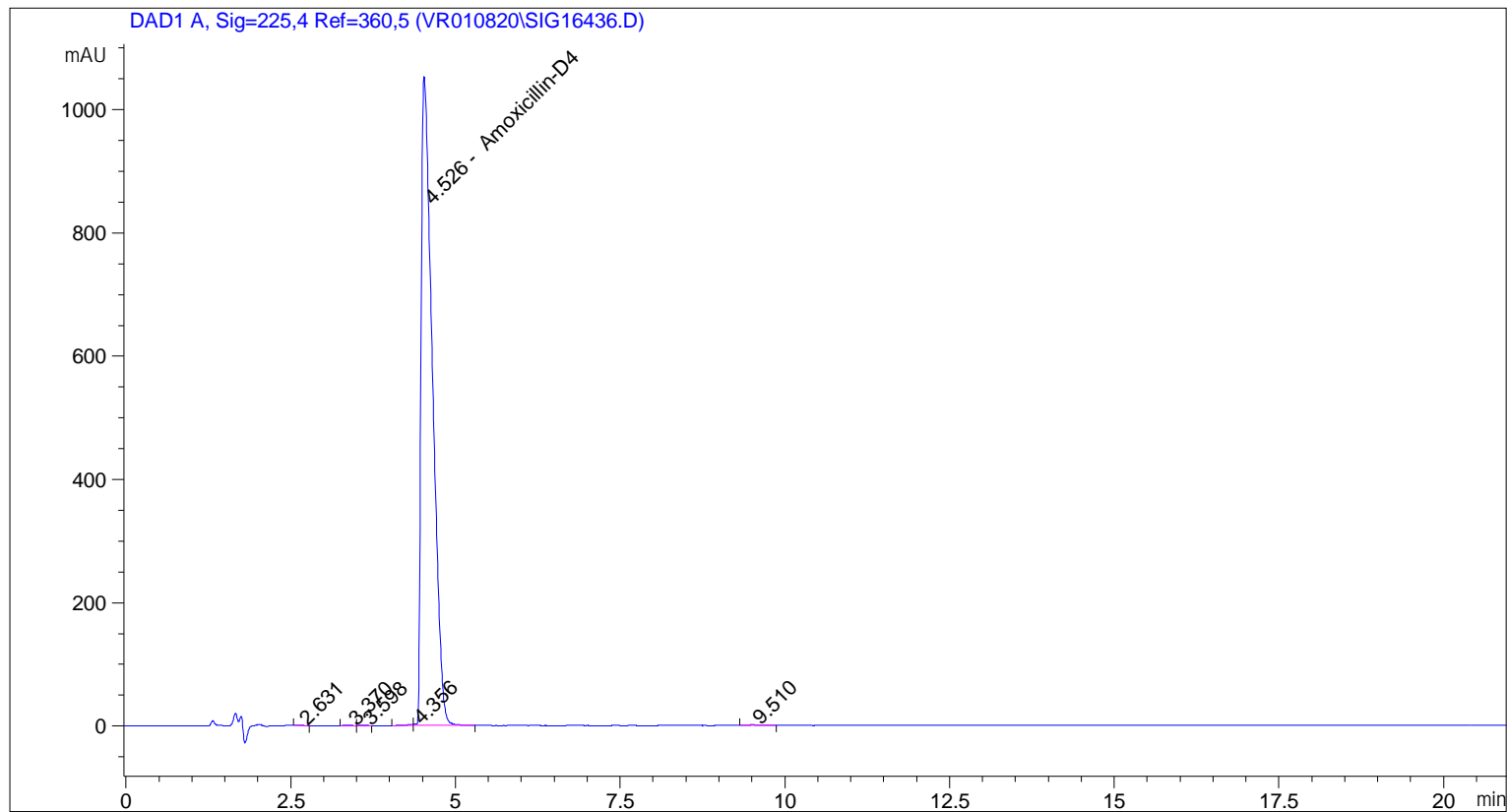
Scan ES-
7.12e5



Expansion of above showing intensity on peak annotation in the range of 360 – 376 Da.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 17
Injection Date  : 5/6/2020 8:19:28 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR050620_133.M
Last changed    : 5/6/2020 8:18:01 AM by vrusu
Analysis Method  : C:\CHEM32\1\METHODS\VR050620_133PM.M
Last changed    : 5/6/2020 8:59:03 AM by vrusu
  
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 Area Percent Report
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Sorted By      :      Signal
Calib. Data Modified :      5/6/2020 8:58:32 AM
Multiplier:    :      1.0000
Dilution:     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
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Signal 1: DAD1 A, Sig=225,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.631	BB	0.0906	3.31326	0.0264	?
2	3.370	BV	0.1186	3.63949	0.0291	?
3	3.598	VB	0.1147	7.04147	0.0562	?
4	4.356	BV	0.1165	13.22638	0.1056	?
5	4.526	VB	0.1803	1.24875e4	99.6841	Amoxicillin-D4
6	9.510	BB	0.1834	12.34894	0.0986	?

Totals : 1.25270e4

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*** End of Report ***