

Name:	7β-Spirolactone
Lot#:	GR-9-231
Test Date:	02/11/2022 (re-test date: 02/11/2027)
CAS No.:	33784-05-3
MF:	C ₂₄ H ₃₂ O ₄ S
MW:	416.57
Appearance:	White solid
Purity:	99.7% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 341.20 [M-CH ₃ C(O)SH+H] ⁺)
Storage	Store at 0-5°C in a dry place away from direct sunlight

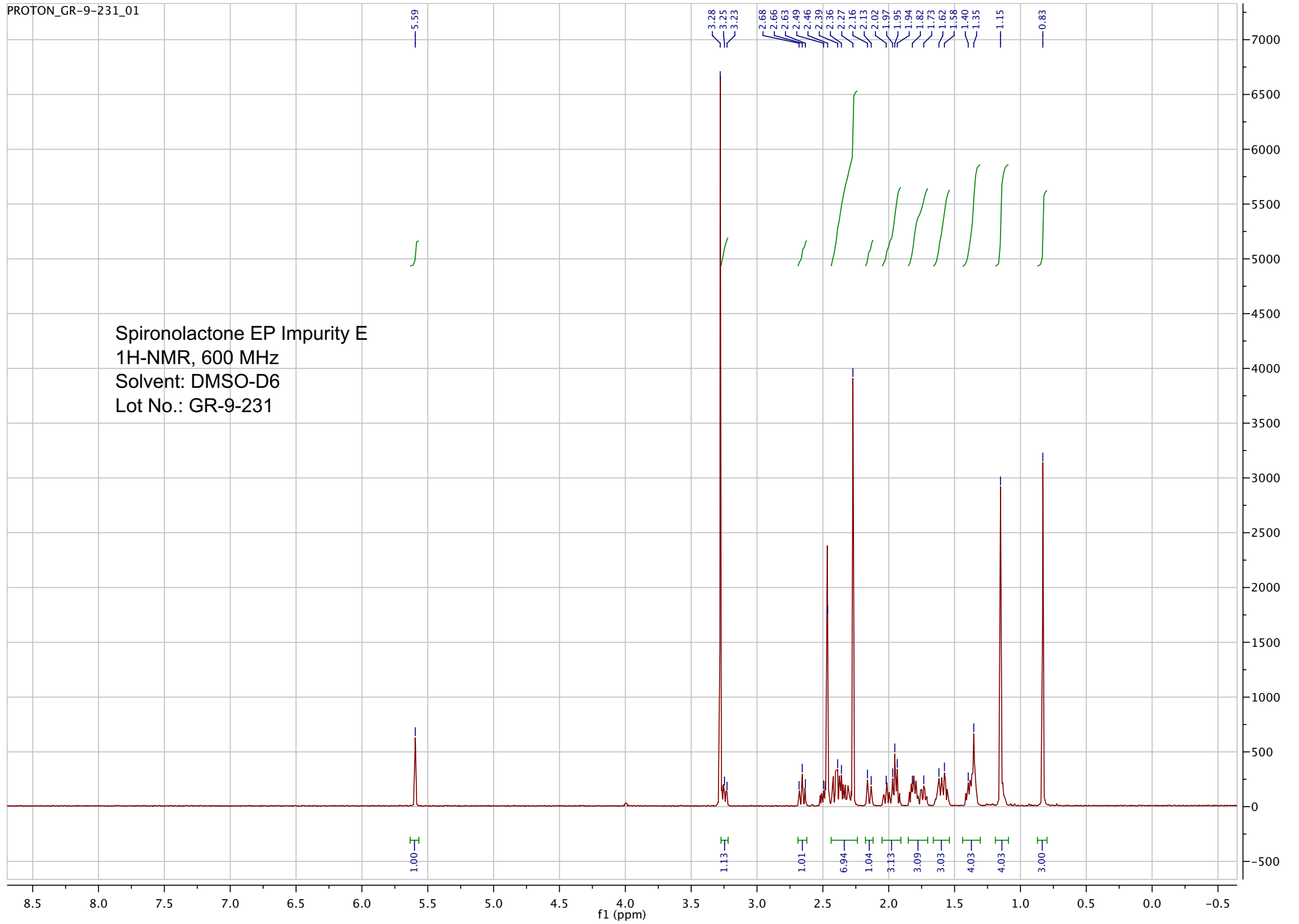
Approved by:

Date: 02/11/2022



Viorica Rusu, QC/QA Manager

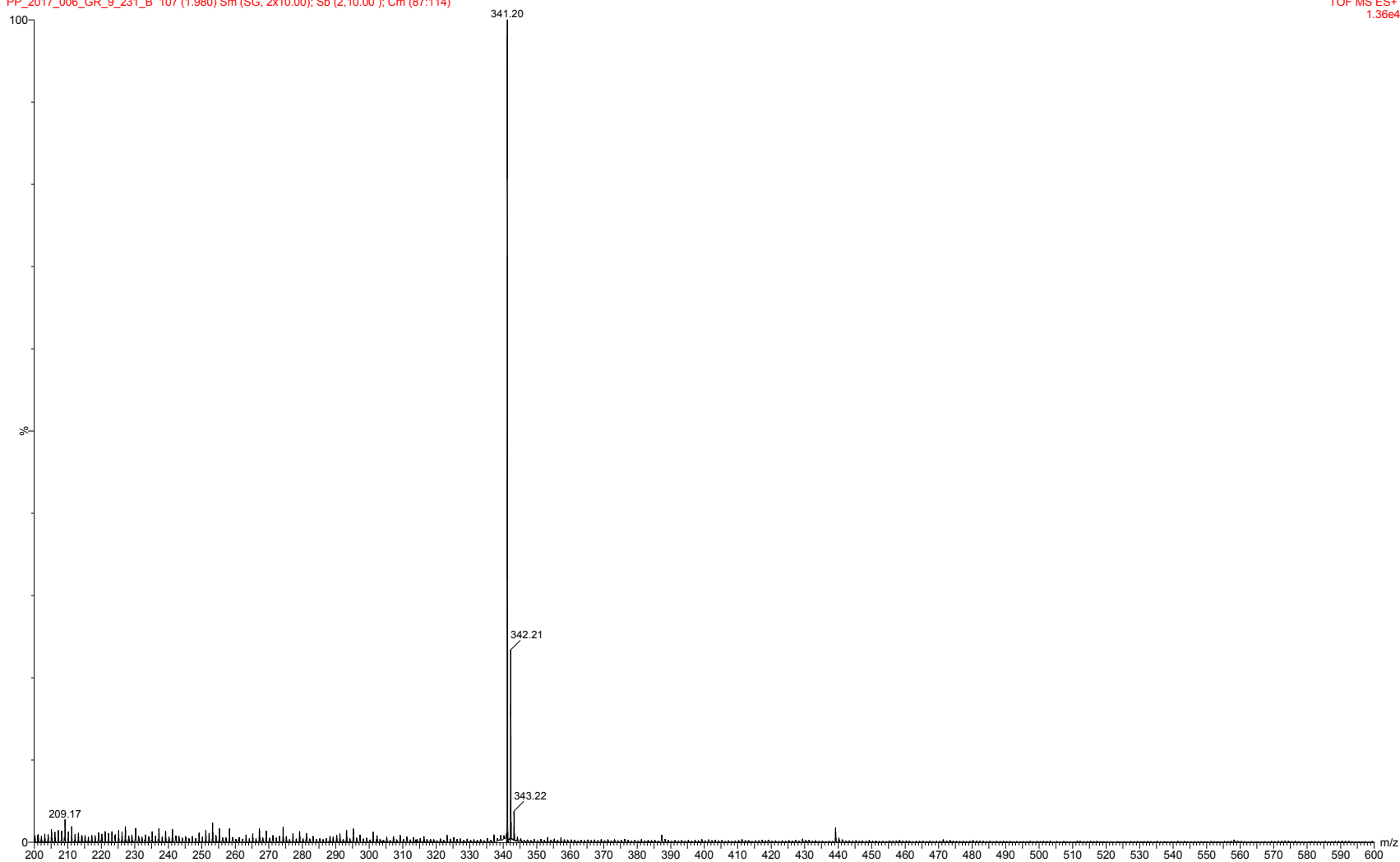
Spironolactone EP Impurity E
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-231



PP_2017_006_GR_9_231_B 107 (1.980) Sm (SG, 2x10.00); Sb (2,10.00); Cm (87:114)

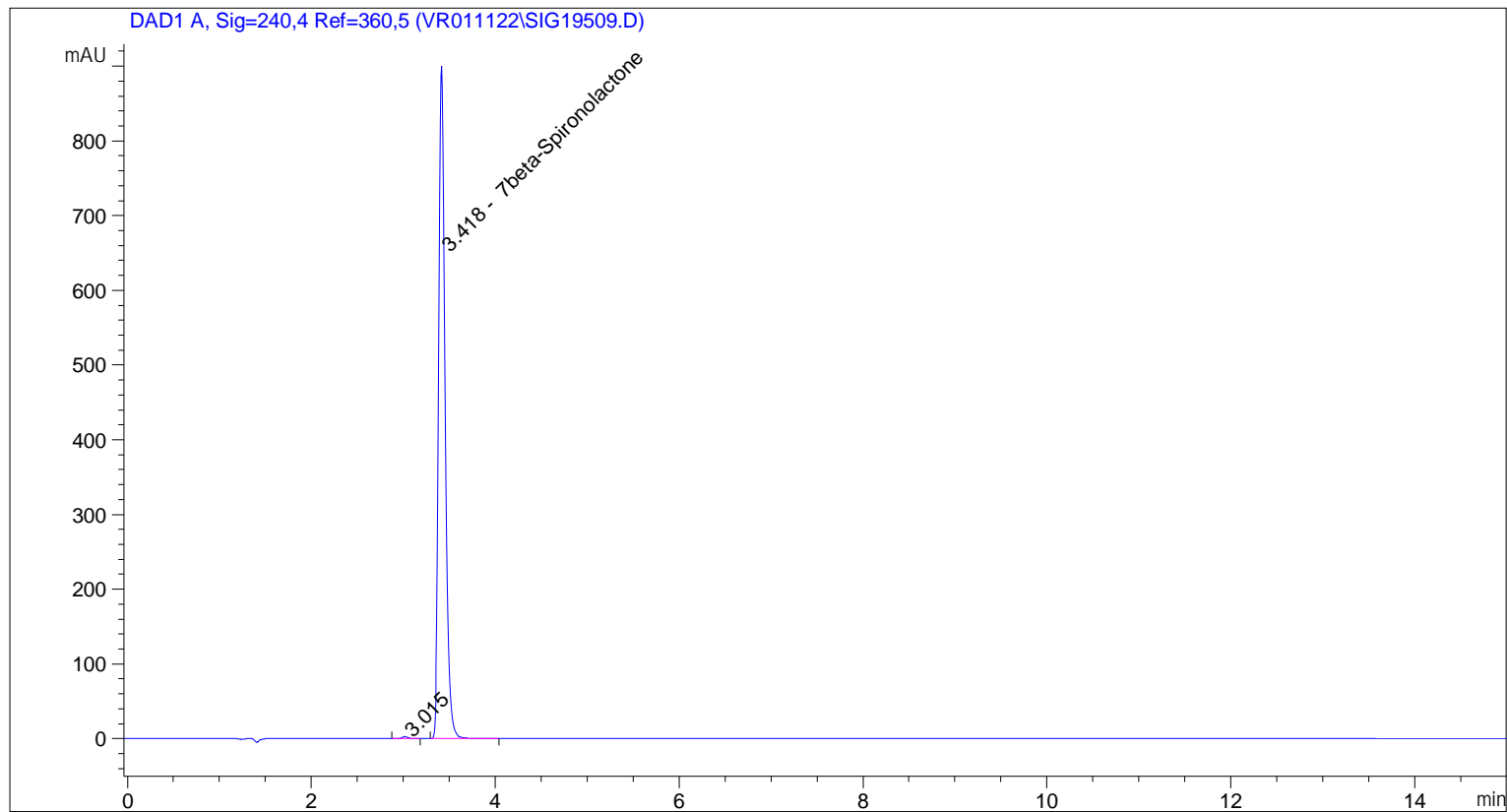
7.0000000

TOF MS ES+
1.36e4



ESI-MS spectrum for sample GR-9-231. Shows monoisotopic [M+H]⁺ mass.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 2
Injection Date : 2/11/2022 12:58:03 PM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR021122_231.M
Last changed : 2/11/2022 12:57:13 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021122_231PM.M
Last changed : 2/11/2022 1:41:45 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 2/11/2022 1:41:01 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

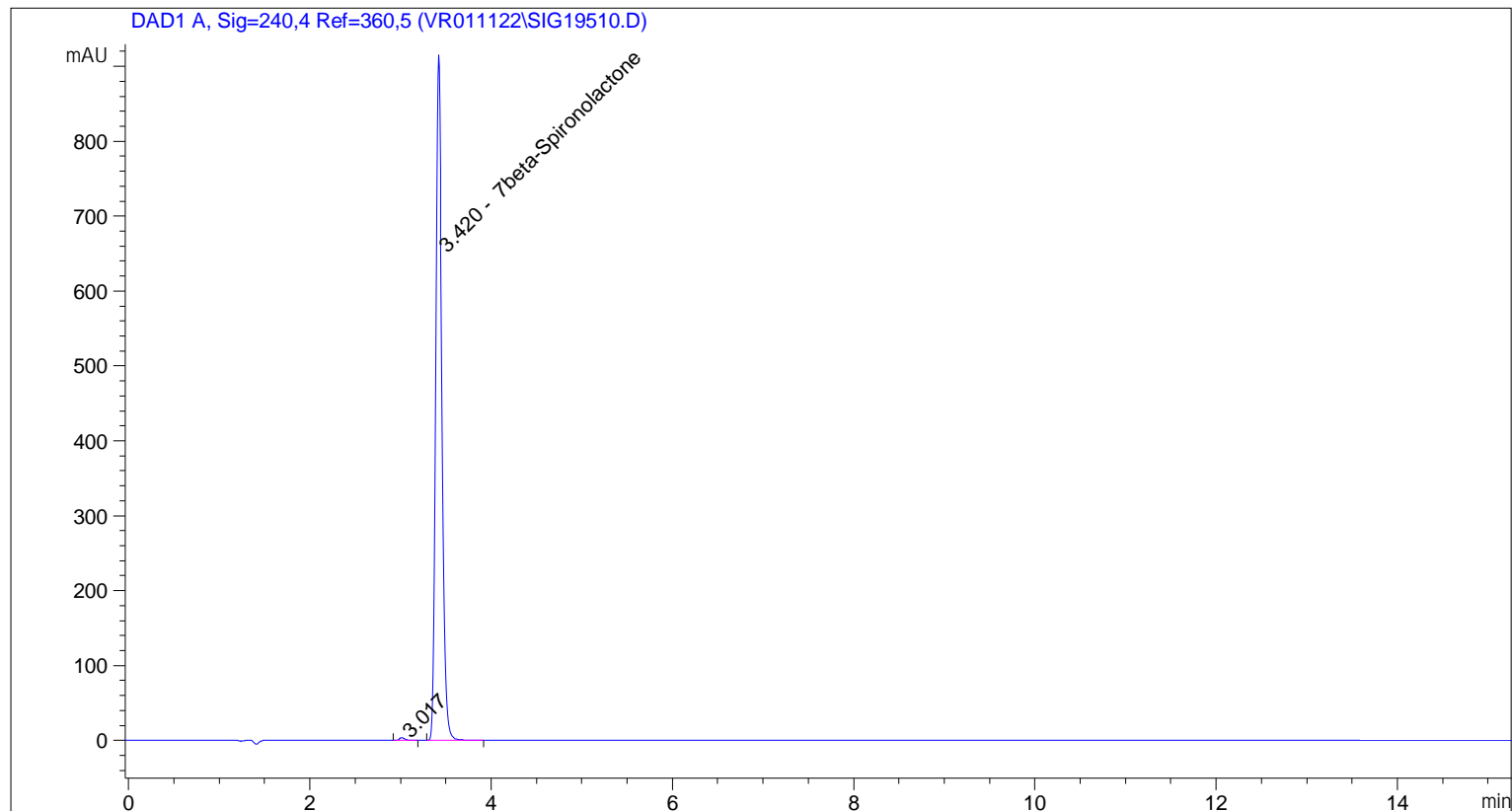
Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.015	BB	0.0693	11.19995	0.2573	?
2	3.418	BB	0.0742	4341.37402	99.7427	7beta-Spirocholactone

Totals : 4352.57397

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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 3
Injection Date : 2/11/2022 1:14:52 PM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR021122_231.M
Last changed : 2/11/2022 1:14:00 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021122_231PM.M
Last changed : 2/11/2022 1:41:45 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 2/11/2022 1:41:01 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.017	BB	0.0672	15.19775	0.3463	?
2	3.420	BB	0.0737	4373.37891	99.6537	7beta-Spirolactone

Totals : 4388.57666

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*** End of Report ***