

Name:	Ranitidine
Lot#:	GR-11-067
Test Date:	02/06/2023 (re-test date: 02/06/2028)
CAS No.:	1185238-09-8
MF:	C ₁₃ H ₁₇ D ₆ ClN ₄ O ₃ S
MW:	356.90
Appearance:	Beige solid
Purity:	98.4% by HPLC; 99% atom D
¹H-NMR:	Conforms (contains 0.89% IPA)
MS-ESI (+)	Conforms (shows peaks at m/z = 321.19 [M+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

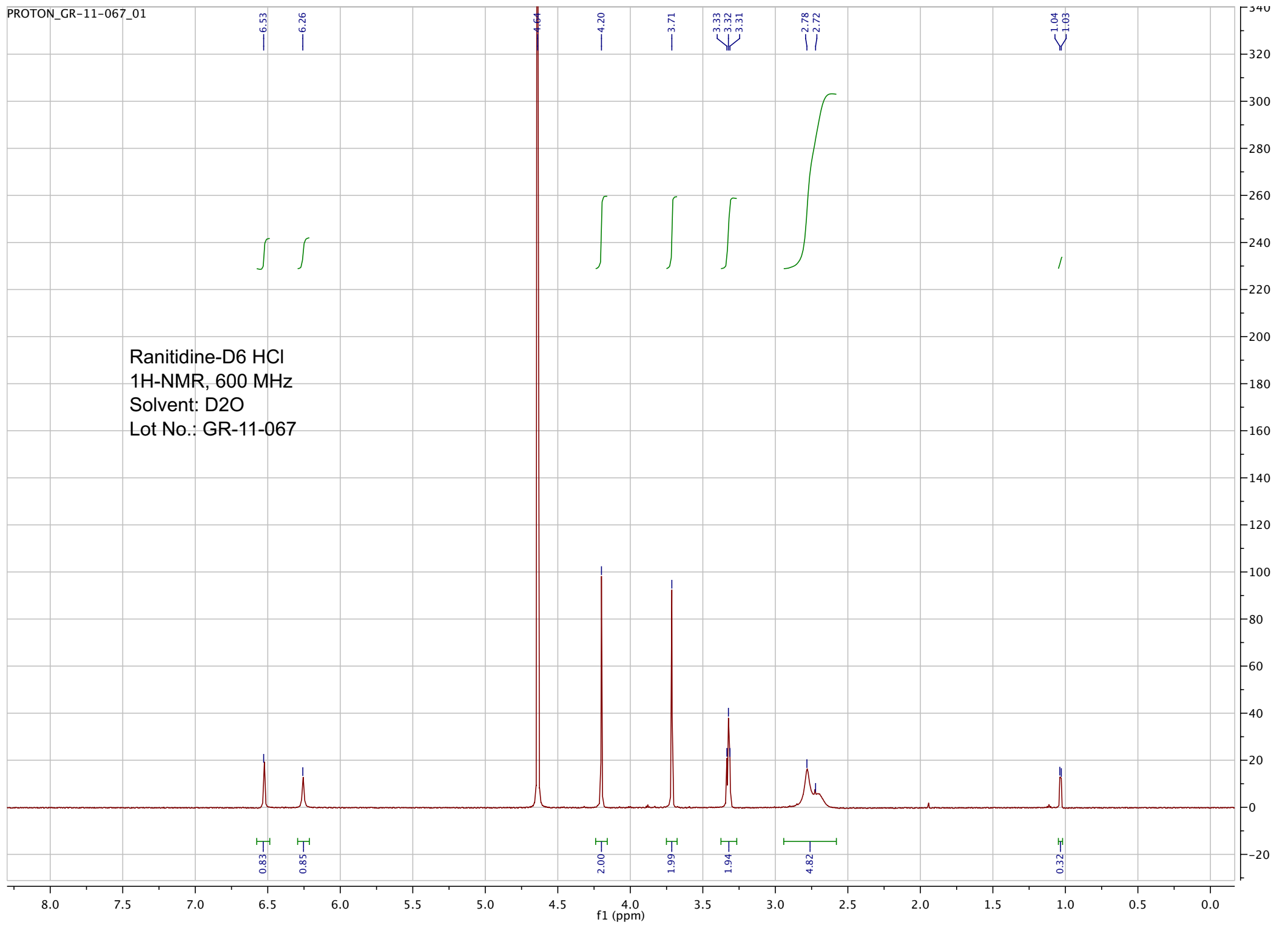
Approved by:

Date: 02/06/2023



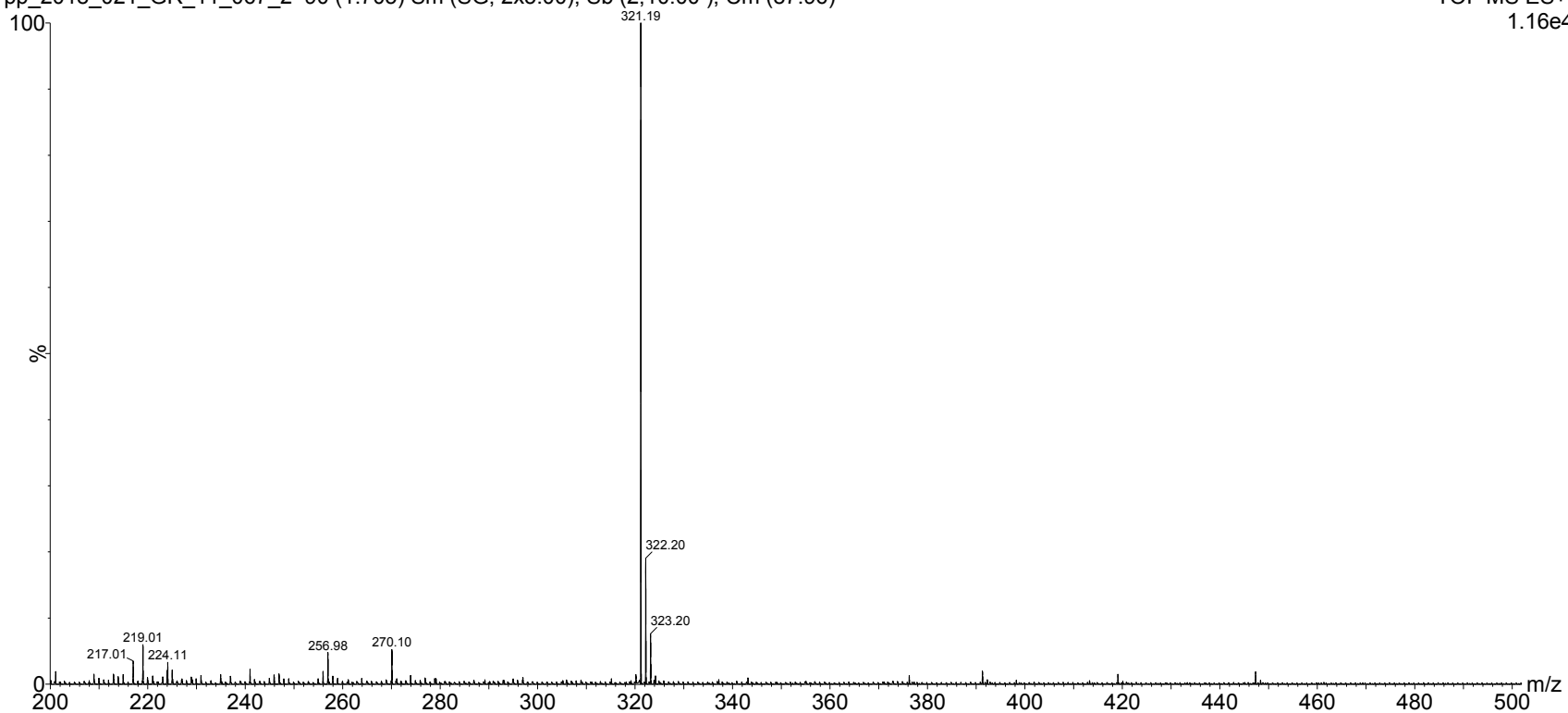
Viorica Rusu, QC/QA Manager

Ranitidine-D6 HCl
1H-NMR, 600 MHz
Solvent: D2O
Lot No.: GR-11-067



pp_2018_021_GR_11_067_2 90 (1.705) Sm (SG, 2x5.00); Sb (2,10.00); Cm (87:96)

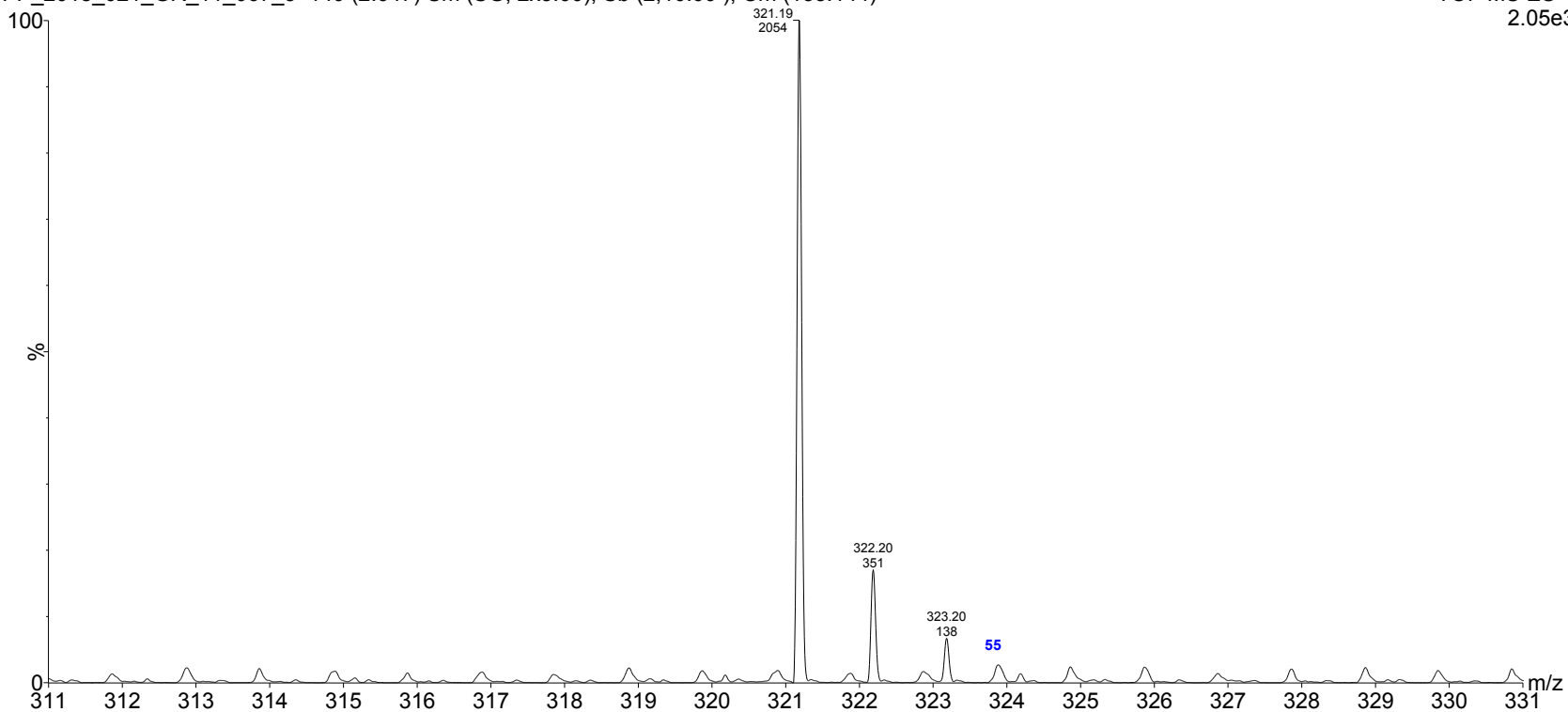
TOF MS ES+
1.16e4



ESI-MS spectrum for sample GR-11-067. Show s monoisotopic [M+H]⁺ mass.

PP_2018_021_GR_11_067_3 140 (2.647) Sm (SG, 2x5.00); Sb (2,10.00); Cm (135:144)

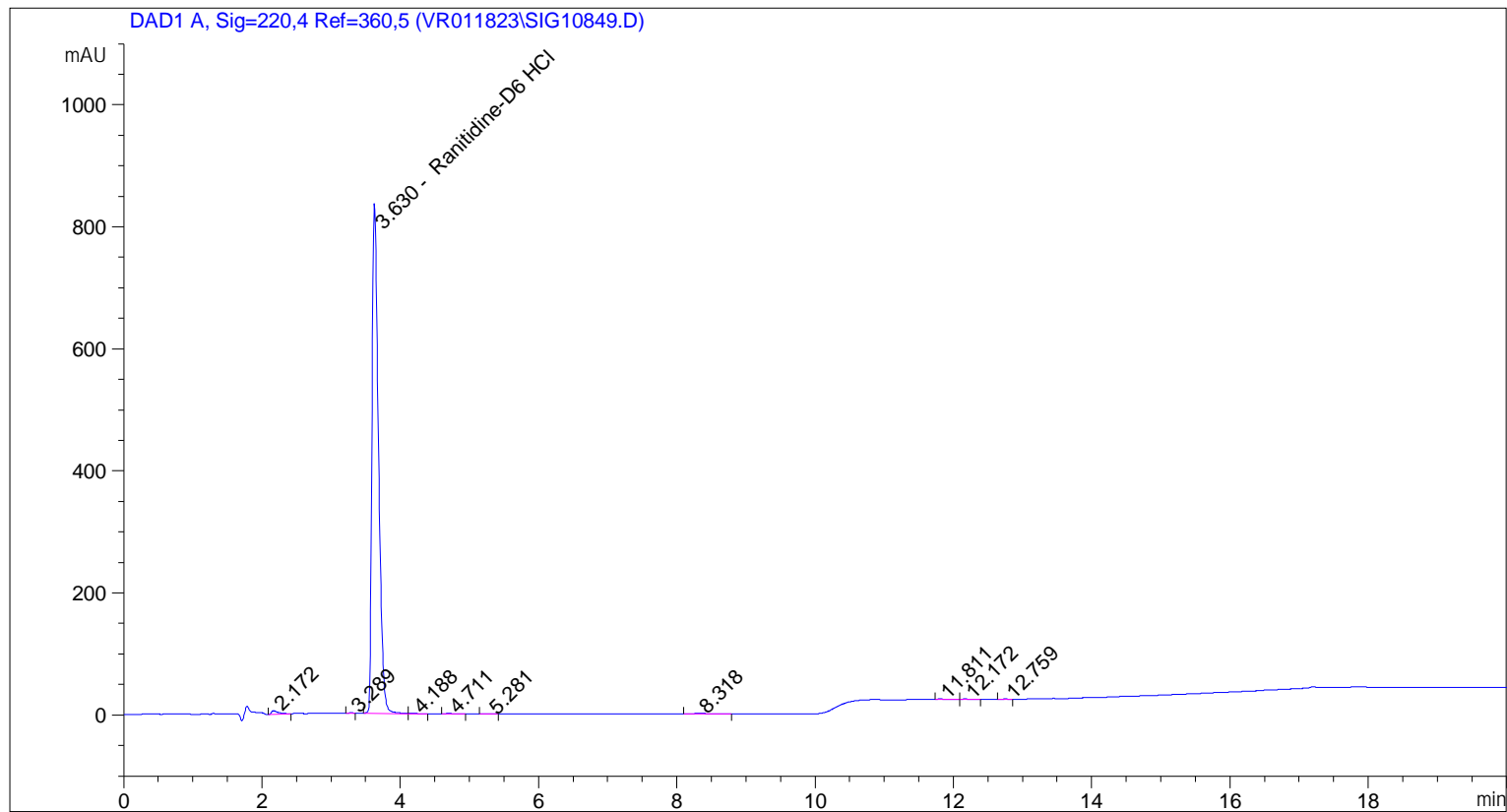
TOF MS ES+
2.05e3



Expansion of above showing intensity labels.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 98
Injection Date  : 2/6/2023 9:44:49 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR020623_067.M
Last changed   : 2/6/2023 9:43:56 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020623_067PM.M
Last changed   : 2/6/2023 12:56:24 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By      : Signal
Calib. Data Modified : 2/6/2023 12:56:08 PM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.172	BB	0.0942	40.73168	0.7408	?
2	3.289	BB	0.0638	2.76724	0.0503	?
3	3.630	BV	0.0996	5414.69141	98.4774	Ranitidine-D6 HCl
4	4.188	VB	0.0984	4.01832	0.0731	?
5	4.711	BB	0.0915	4.34322	0.0790	?
6	5.281	BB	0.1038	2.79903	0.0509	?
7	8.318	BB	0.1948	12.02068	0.2186	?
8	11.811	BB	0.0808	7.58896	0.1380	?

Sample Name: GR-11-067

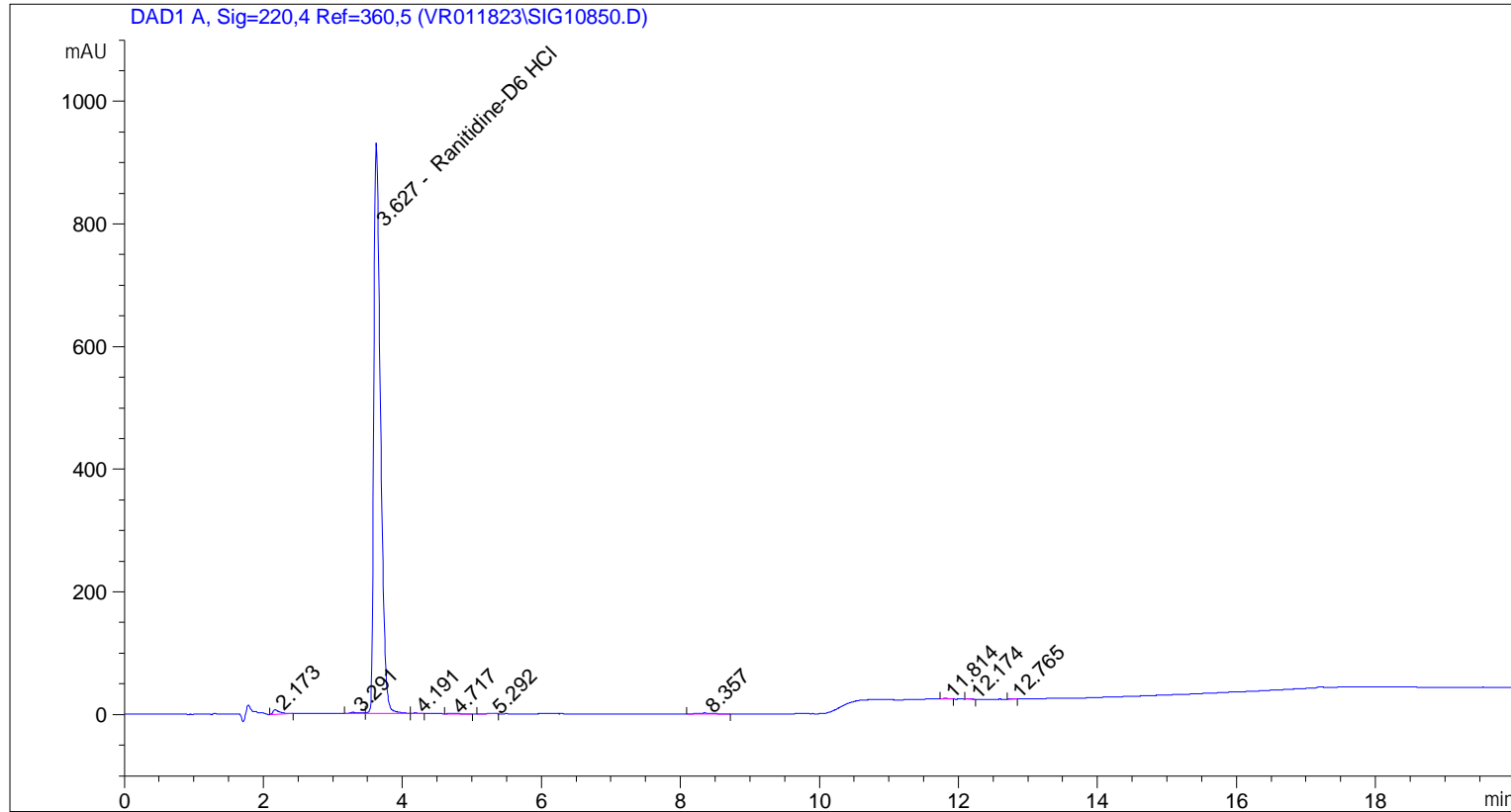
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	12.172	BB	0.0599	4.55542	0.0828	?
10	12.759	BB	0.0601	4.89416	0.0890	?

Totals : 5498.41013

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 99
Injection Date  : 2/6/2023 10:14:22 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR020623_067.M
Last changed    : 2/6/2023 10:13:24 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020623_067PM.M
Last changed    : 2/6/2023 12:56:24 PM by vrusu
  
```



=====
 Area Percent Report
 =====

```

Sorted By           :      Signal
Calib. Data Modified :      2/6/2023 12:56:08 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.173	BV	0.1010	52.12150	0.8183	?
2	3.291	BV	0.1288	14.31413	0.2247	?
3	3.627	VV	0.1024	6258.82080	98.2664	Ranitidine-D6 HCl
4	4.191	VB	0.0906	5.24041	0.0823	?
5	4.717	BB	0.1167	6.63157	0.1041	?
6	5.292	BB	0.1003	3.54562	0.0557	?
7	8.357	BB	0.1917	16.31498	0.2562	?
8	11.814	BB	0.0574	4.82254	0.0757	?

Sample Name: GR-11-067 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	12.174	BB	0.0544	3.84712	0.0604	?
10	12.765	BB	0.0548	3.57684	0.0562	?

Totals : 6369.23552

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*** End of Report ***