

Name: Omeprazole-¹³C,^{D3}
Lot#: GR-9-143
Test Date: 11/14/2022 (re-test date: 11/14/2027)
CAS No.: 1261395-28-1
MF: C₁₆¹³CH₁₆D₃N₃O₃S
MW: 349.43
Appearance: Pale yellow solid
Purity: 98.0% by HPLC (average of two sample preparations); 99% atom ¹³C, 99% atom D
¹H-NMR: Conforms
MS-ESI (+) Conforms (shows peak at m/z = 350.14 [M+H]⁺)
Storage Long term store at - 18° C in a dry place away from direct sunlight

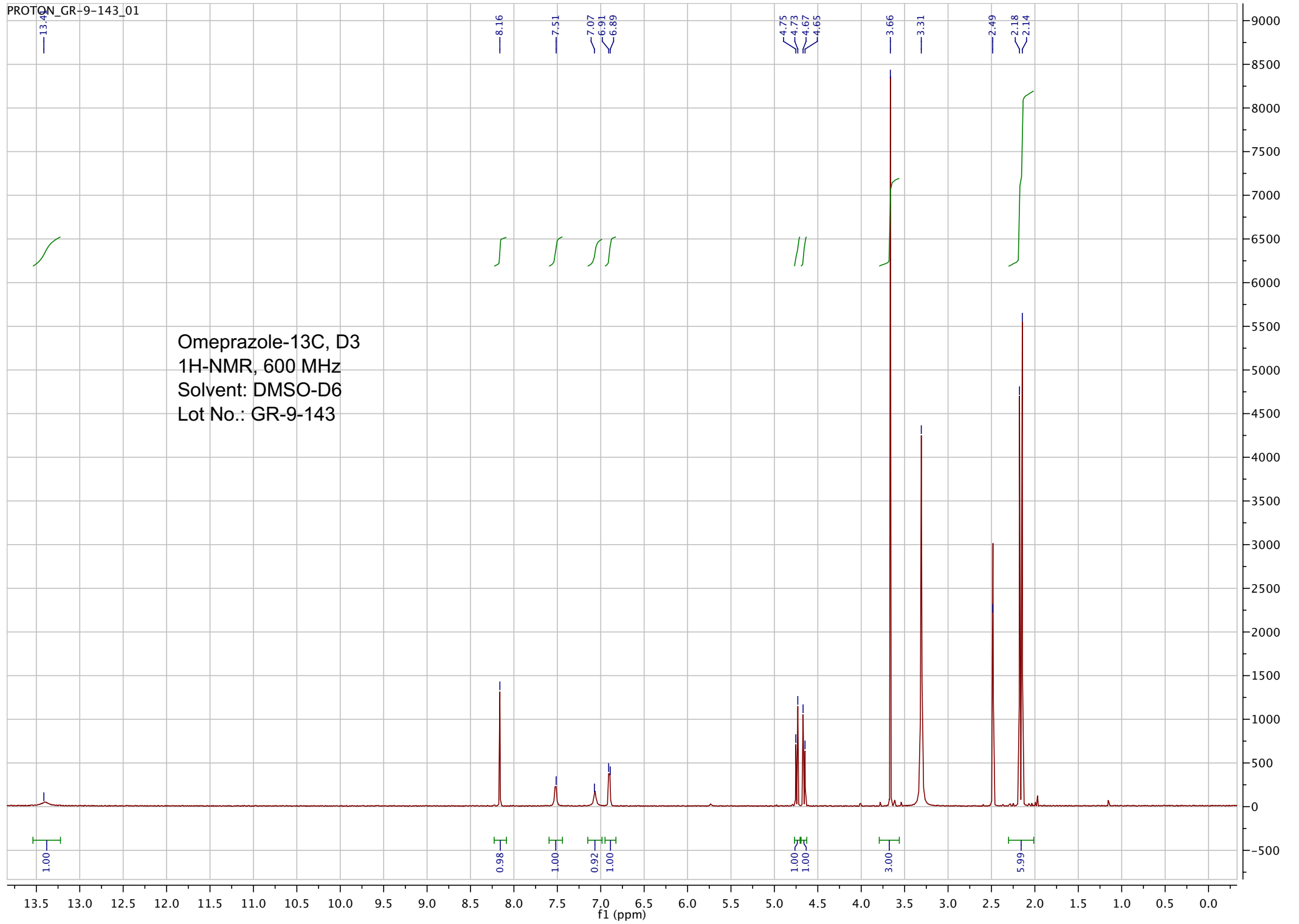
Approved by:

Date: 11/14/2022



Viorica Rusu, QC/QA Manager

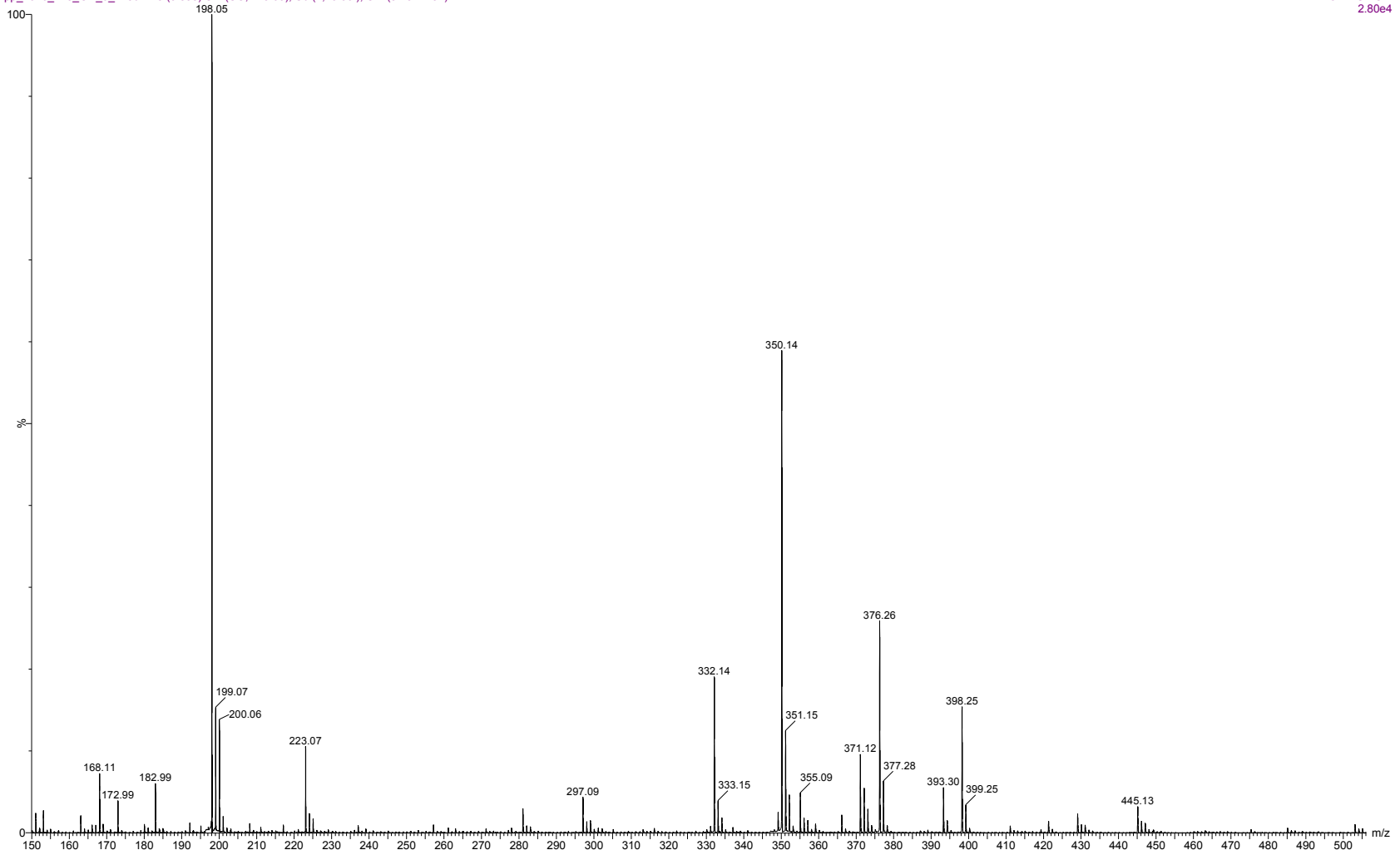
Omeprazole-13C, D3
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-143



pp_2016_128_GR_9_143dii 45 (0.833) Sm (SG, 2x5.00); Sb (2,10.00); Cm (37:52-2:31)

7.00000000

23-Nov-2016, 16:29:27
TOF MS ES+
2.80e4



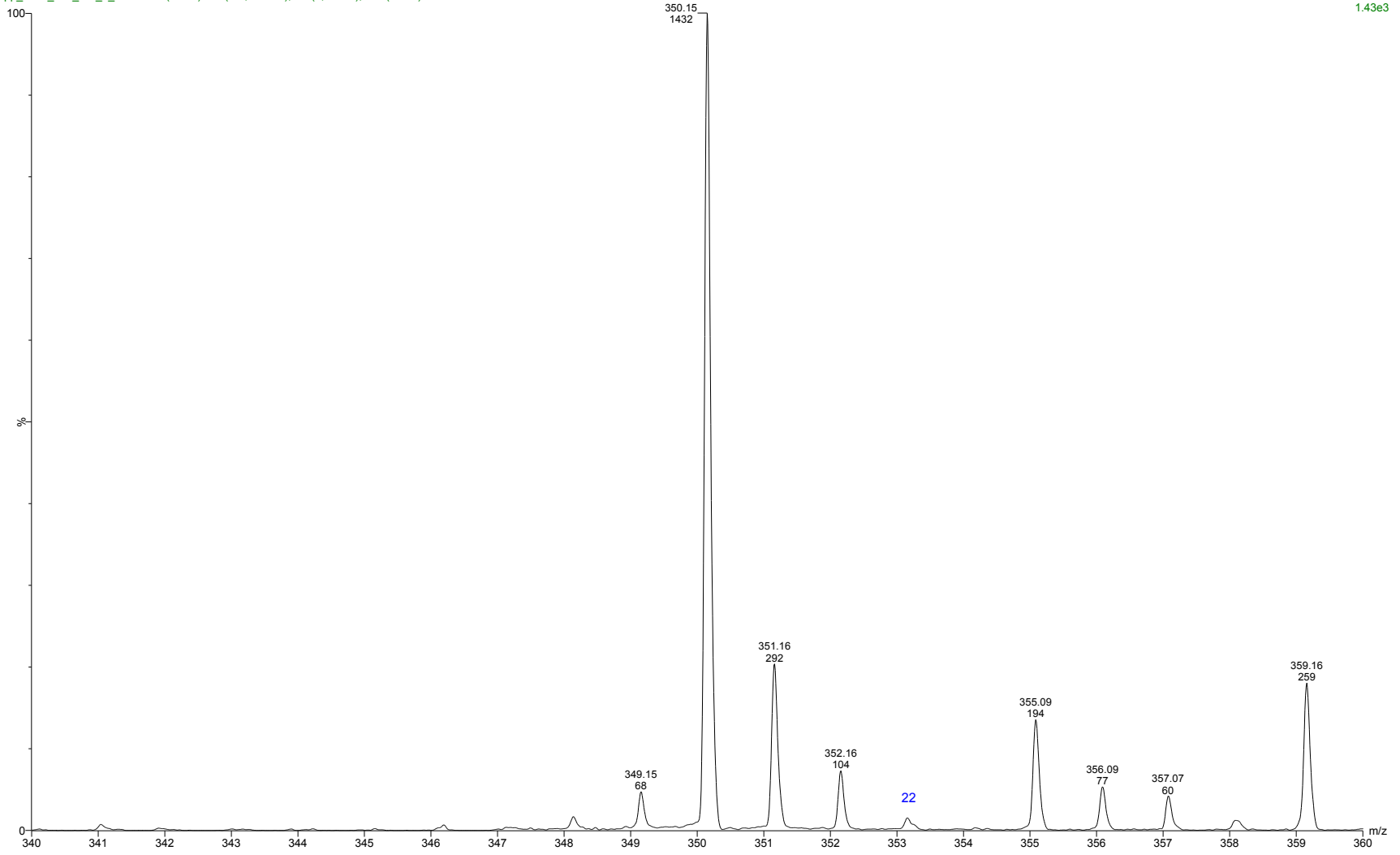
ESI-MS spectrum for sample GR-9-143. Shows monoisotopic [M+H]⁺ mass.

pp_2016_128_GR_9_143dil 38 (0.704) Sm (SG, 2x5.00); Sb (2,10.00); Cm (34:38)

7.00000000

23-Nov-2016, 16:29:27

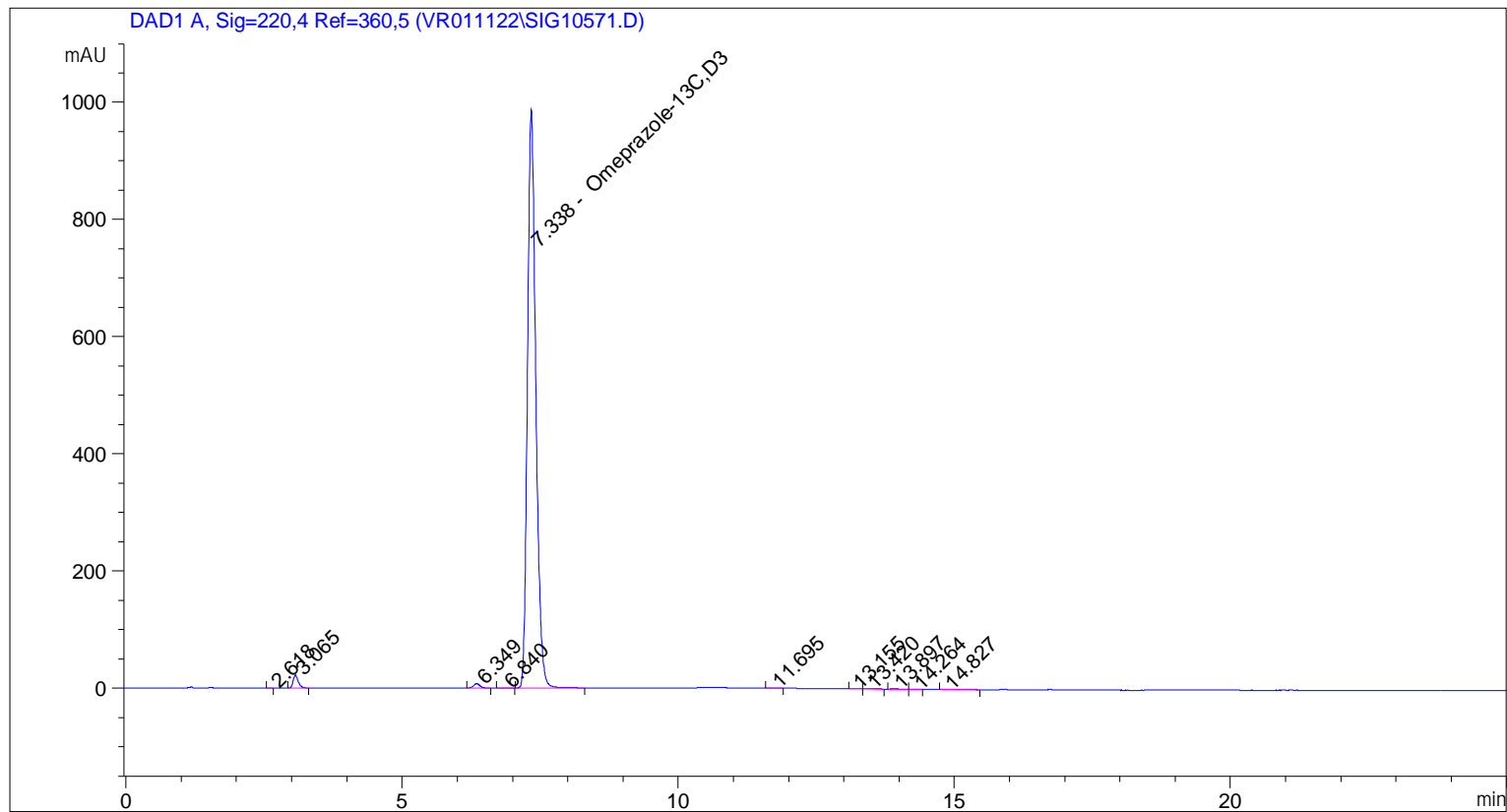
TOF MS ES+
1.43e3



Expansion of above with intensity labels.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 9
Injection Date  : 11/14/2022 10:02:15 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR111422_143.M
Last changed    : 11/14/2022 10:01:10 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR111422_143PM.M
Last changed    : 11/14/2022 12:52:36 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By      : Signal
Calib. Data Modified : 11/14/2022 12:46:44 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	2.618	BV	0.0678	4.29868e-1	4.076e-3	?
2	3.065	BV	0.0957	138.07909	1.3092	?
3	6.349	BB	0.1190	54.02248	0.5122	?
4	6.840	BB	0.1169	1.84975	0.0175	?
5	7.338	BB	0.1601	1.03339e4	97.9798	Omeprazole-13C,D3
6	11.695	BB	0.1084	2.44703	0.0232	?
7	13.155	BV	0.0976	1.21281	0.0115	?
8	13.420	VB	0.1091	1.78020	0.0169	?

Sample Name: GR-9-143 spl-2

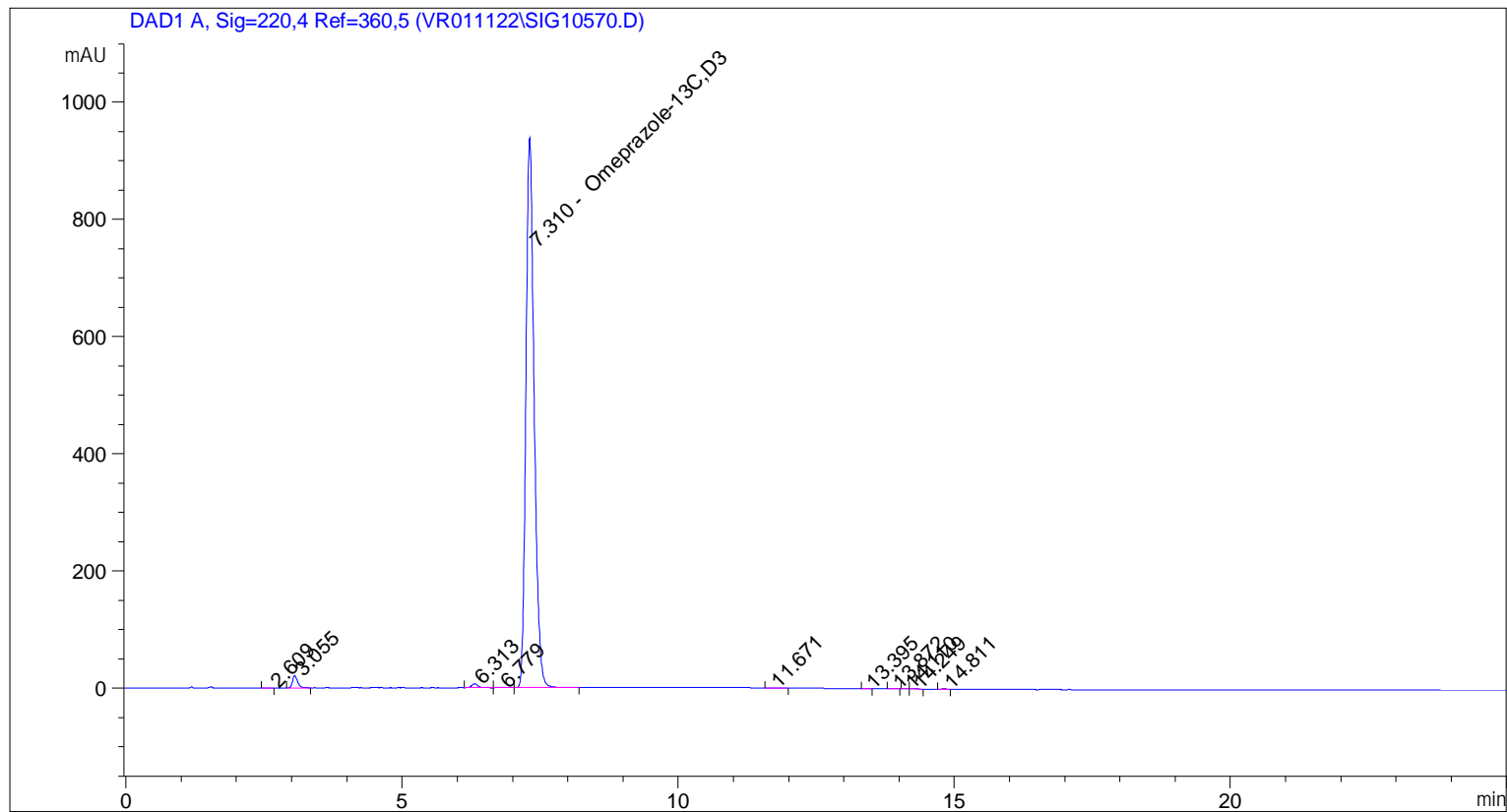
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	13.897	BV	0.1102	4.78319	0.0454	?
10	14.264	VB	0.1043	2.13591	0.0203	?
11	14.827	BB	0.1552	6.32648	0.0600	?

Totals : 1.05470e4

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*** End of Report ***

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 8
Injection Date  : 11/14/2022 9:30:45 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR111422_143.M
Last changed   : 11/14/2022 9:29:39 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR111422_143PM.M
Last changed   : 11/14/2022 12:52:36 PM by vrusu
  
```



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

```

Sorted By      : Signal
Calib. Data Modified : 11/14/2022 12:46:44 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	2.609	VV	0.1138	1.28652	0.0130	?
2	3.055	BV	0.0955	130.61719	1.3168	?
3	6.313	BB	0.1189	50.75568	0.5117	?
4	6.779	BB	0.1283	1.86195	0.0188	?
5	7.310	BB	0.1568	9722.81445	98.0202	Omeprazole-13C,D3
6	11.671	BB	0.1124	2.42281	0.0244	?
7	13.395	BB	0.0943	8.87299e-1	8.945e-3	?
8	13.872	BB	0.0893	3.10103	0.0313	?

Sample Name: GR-9-143

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	14.110	BV	0.0715	7.13273e-1	7.191e-3	?
10	14.249	VB	0.1050	1.83372	0.0185	?
11	14.811	BB	0.0879	2.90426	0.0293	?

Totals : 9919.19819

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*** End of Report ***