

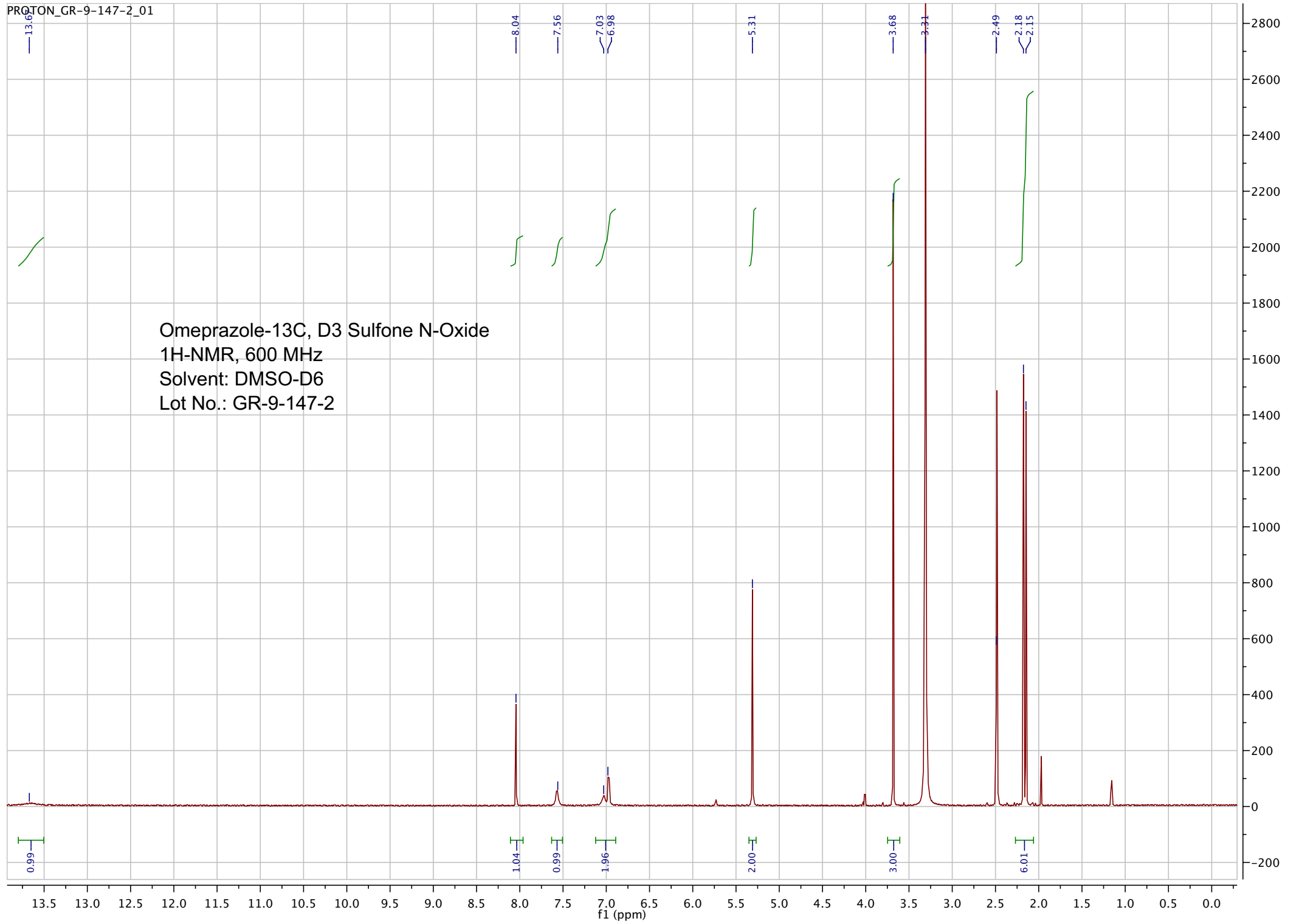
Name:	Omeprazole-¹³C,D3 Sulfone N-Oxide
Lot#:	GR-9-147-2
Test Date:	01/20/2022 (re-test date: 01/20/2027)
CAS No.:	158812-85-2 (unlabeled)
MF:	C ₁₆ ¹³ CH ₁₆ D ₃ N ₃ O ₅ S
MW:	381.43
Appearance:	White solid
Purity:	99.8% by HPLC (average of two sample preparations); 99% atom ¹³ C, 99% atom D
¹H-NMR:	Conforms (shows a trace of EtOAc and DCM)
MS-ESI (+)	Conforms (shows peak at m/z = 382.15 [M+H] ⁺)
Storage	Long term store at - 18° C in a dry place away from direct sunlight

Approved by:

Date: 01/20/2022



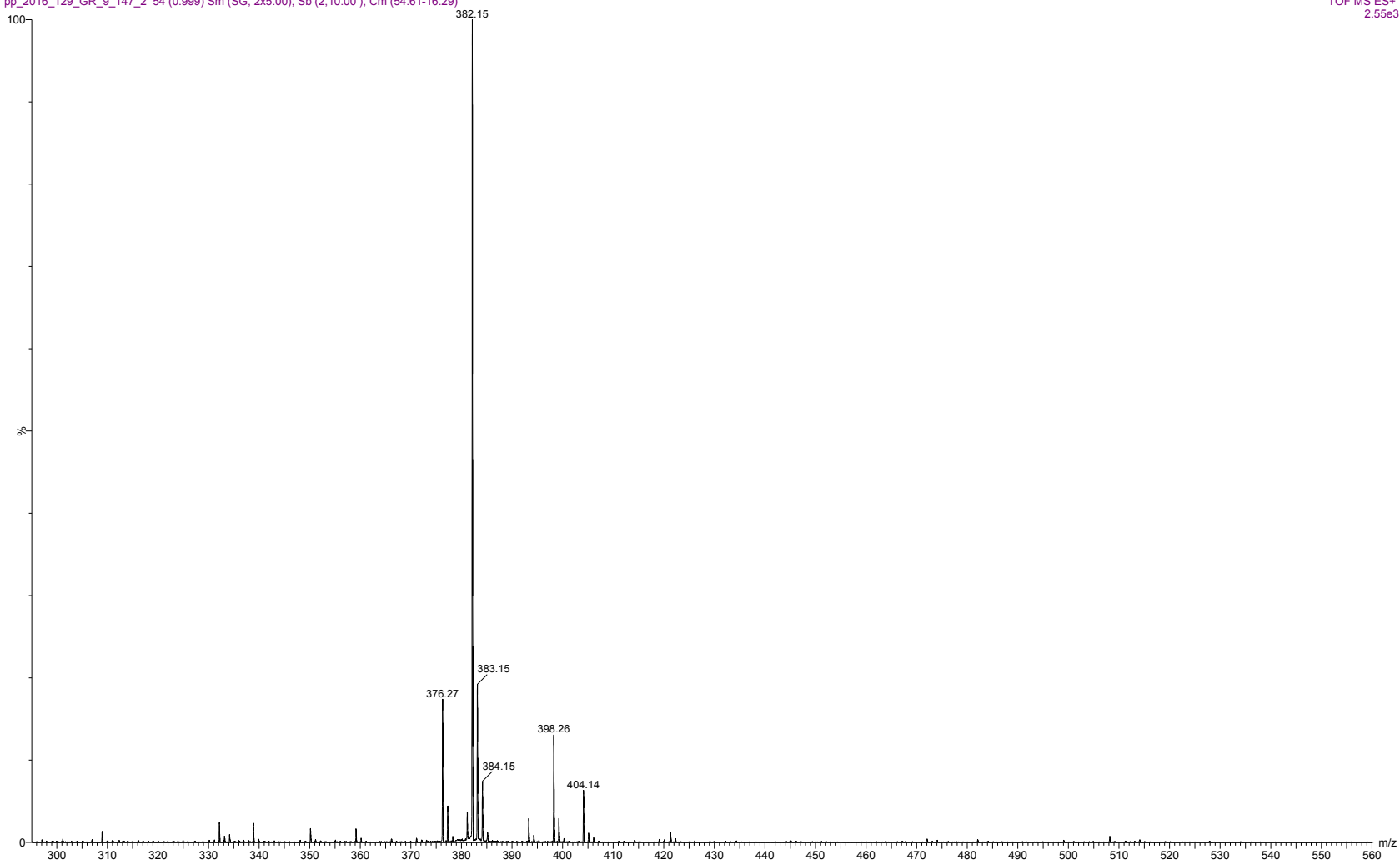
Viorica Rusu, QC/QA Manager



pp_2016_129_GR_9_147_2_54 (0.999) Sm (SG, 2x5.00); Sb (2,10.00); Cm (54:61-16:29)

7.0000000

TOF MS ES+
2.55e3

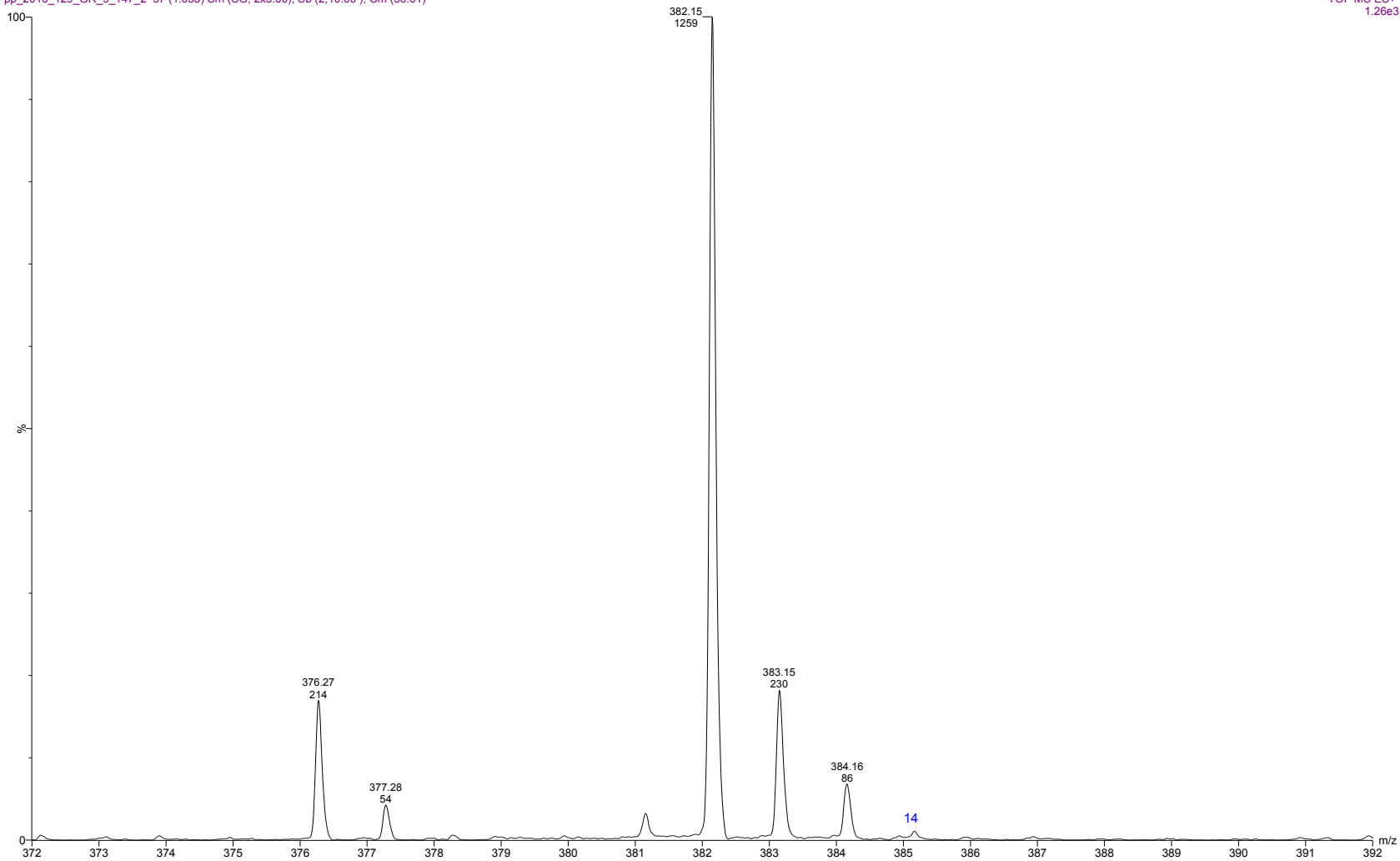


ESI-MS spectrum for sample GR-9-147-2. Shows monoisotopic [M+H]⁺ mass.

pp_2016_129_GR_9_147_2_57 (1.055) Sm (SG, 2x5.00); Sb (2,10.00); Cm (56:61)

7.0000000

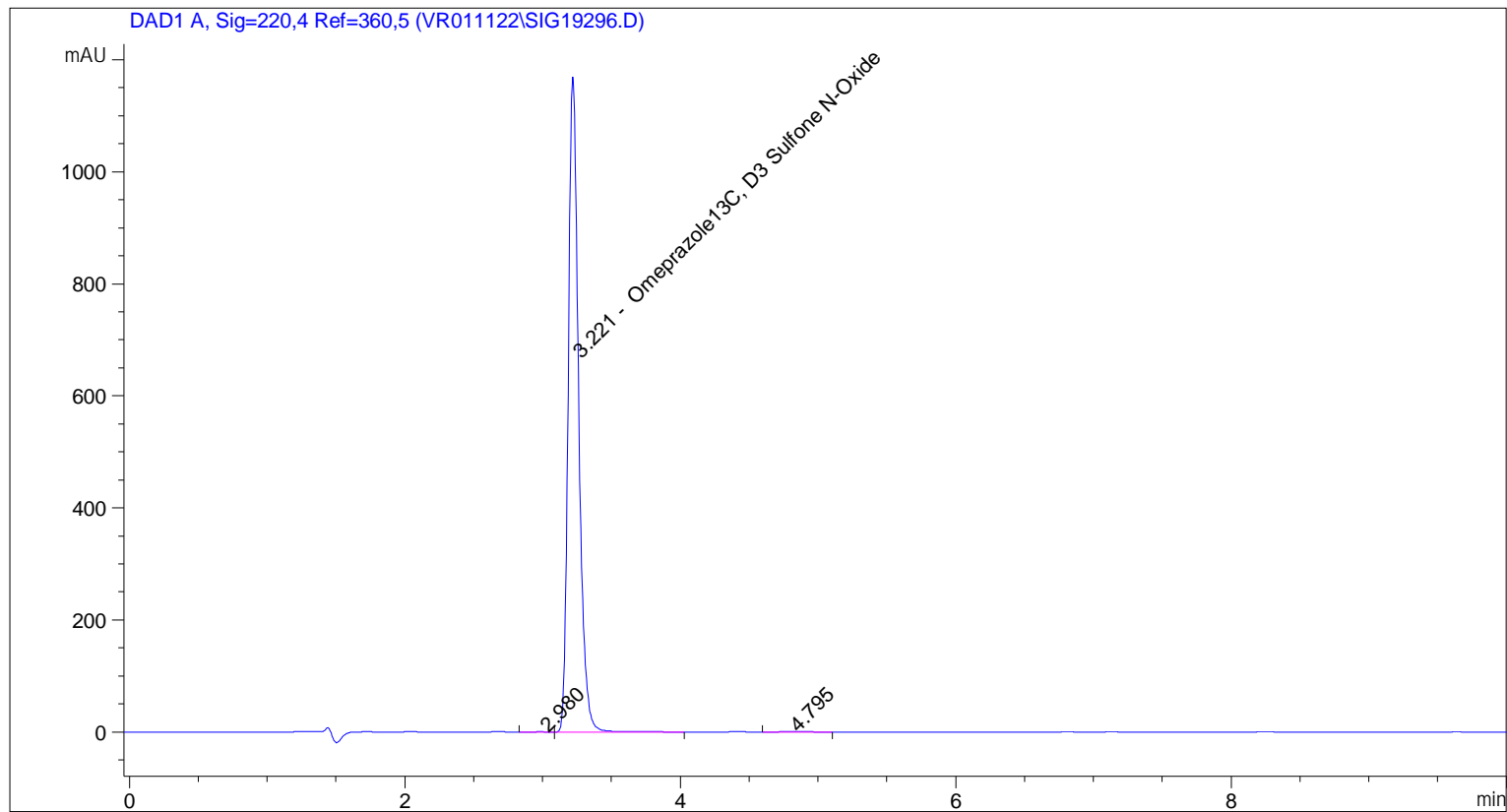
TOF MS ES+
1.26e3



Expansion of above with intensity labels.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 16
Injection Date  : 1/20/2022 1:07:28 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR012022_147.M
Last changed    : 1/20/2022 1:06:32 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR012022_147PM.M
Last changed    : 1/20/2022 2:06:01 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By      :      Signal
Calib. Data Modified :      1/20/2022 2:05:45 PM
Multiplier:    :      1.0000
Dilution:     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

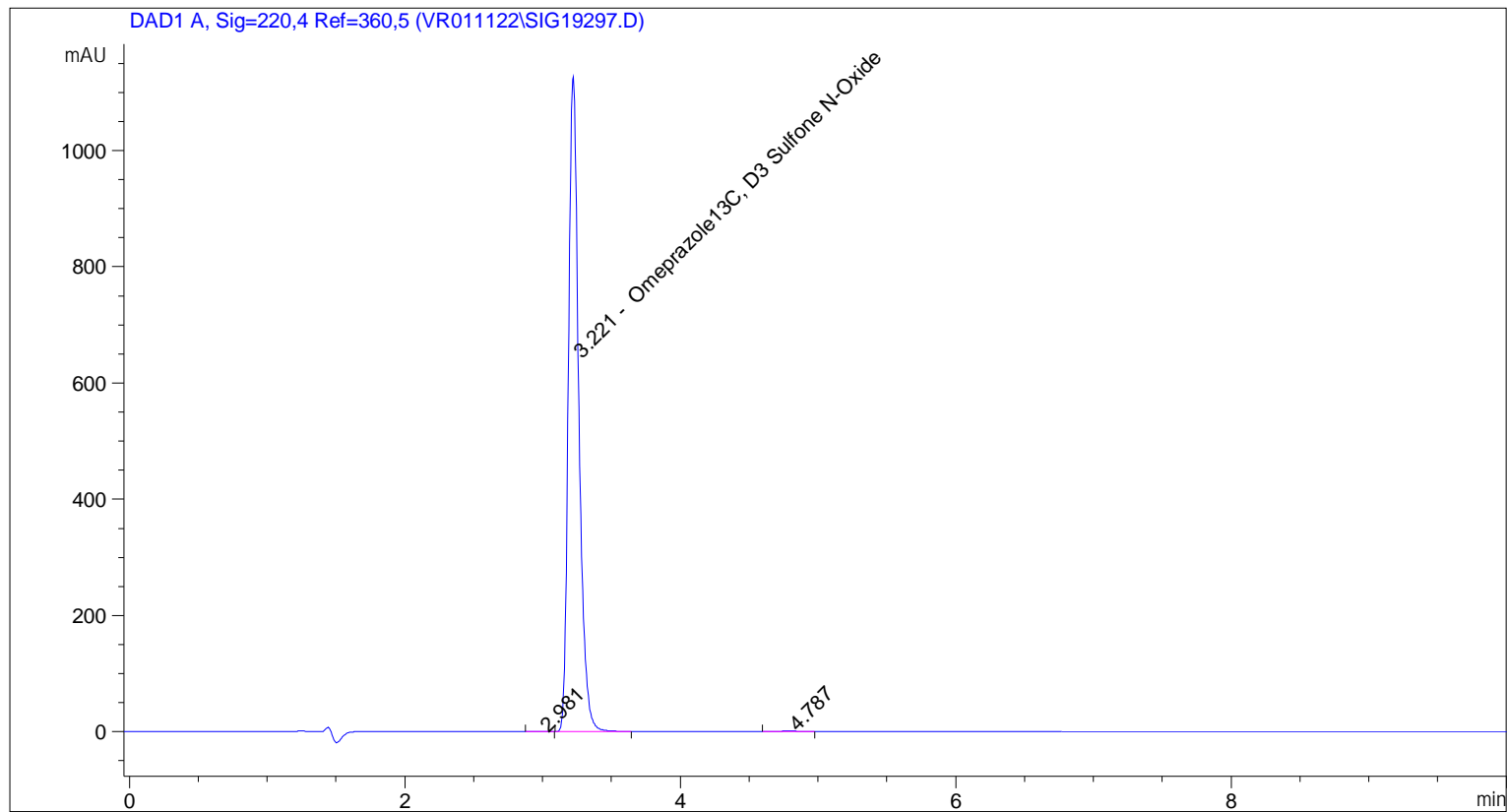
Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.980	BB	0.0804	2.25830	0.0367	?
2	3.221	BB	0.0791	6139.60498	99.7393	Omeprazole13C, D3 Sulfone N-Oxide
3	4.795	BB	0.1570	13.78956	0.2240	?

Totals : 6155.65284

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 17
Injection Date  : 1/20/2022 1:21:48 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR012022_147.M
Last changed    : 1/20/2022 1:20:53 PM by vrusu
Analysis Method  : C:\CHEM32\1\METHODS\VR012022_147PM.M
Last changed    : 1/20/2022 2:06:01 PM by vrusu
  
```



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

```

Sorted By           :      Signal
Calib. Data Modified :      1/20/2022 2:05:45 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	2.981	BB	0.0748	1.84193	0.0311	?
2	3.221	BB	0.0810	5910.42773	99.8239	Omeprazole13C, D3 Sulfone N-Oxide
3	4.787	BB	0.1080	8.58707	0.1450	?

Totals : 5920.85674