

Name:	Omeprazole-D3 Sulfone N-Oxide
Lot#:	GR-9-149-2
Test Date:	01/20/2022 (re-test date: 01/20/2027)
CAS No.:	158812-85-2 (<i>unlabeled</i>)
MF:	C ₁₇ H ₁₆ D ₃ N ₃ O ₅ S
MW:	380.43
Appearance:	White solid
Purity:	99.5% by HPLC (average of two sample preparations); 99% atom D
¹H-NMR:	Conforms (shows a trace of DCM)
MS-ESI (+)	Conforms (shows peak at m/z = 381.14 [M+H] ⁺)
Storage	Long term store at - 18° C in a dry place away from direct sunlight

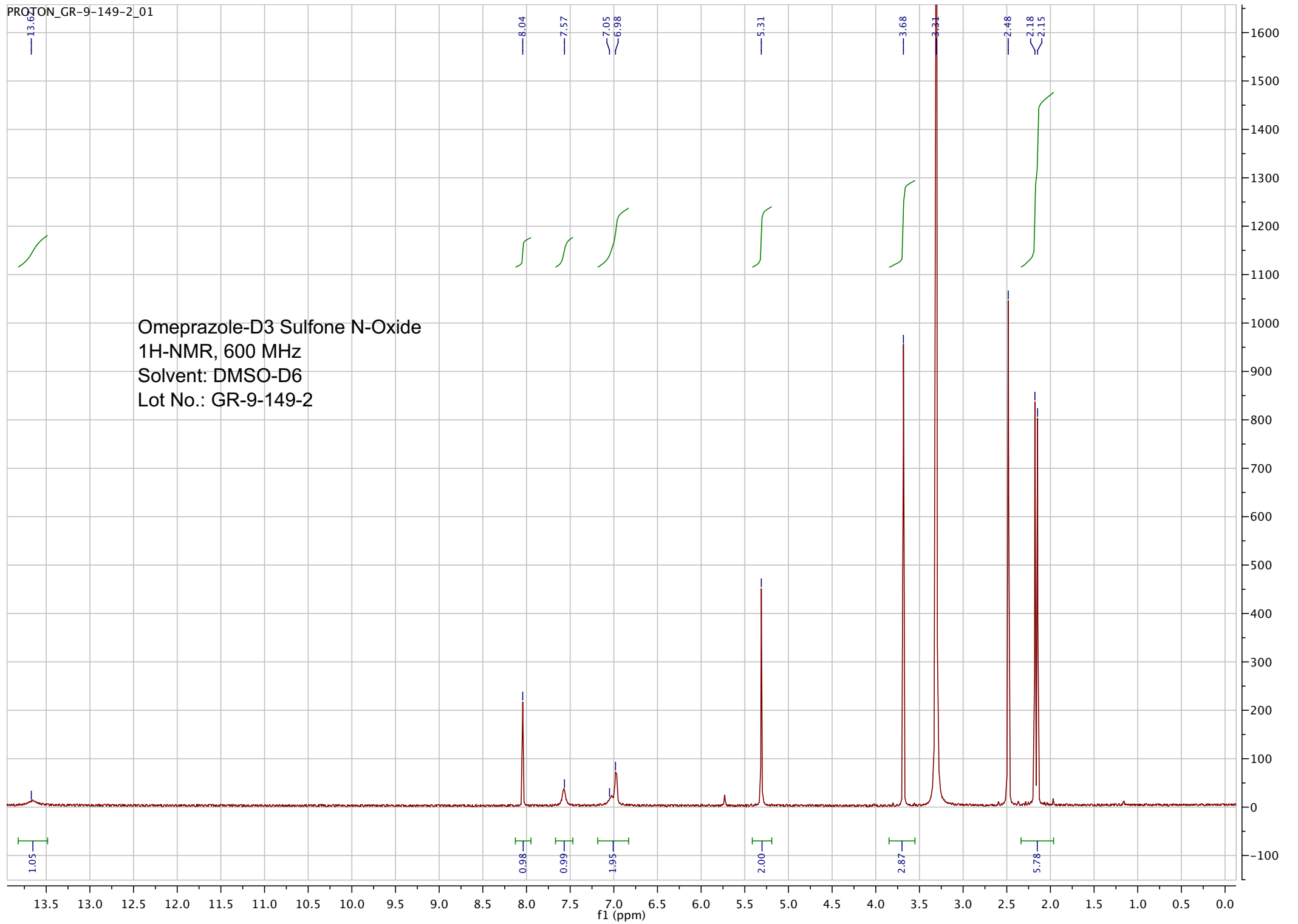
Approved by:

Date: 01/20/2022



Viorica Rusu, QC/QA Manager

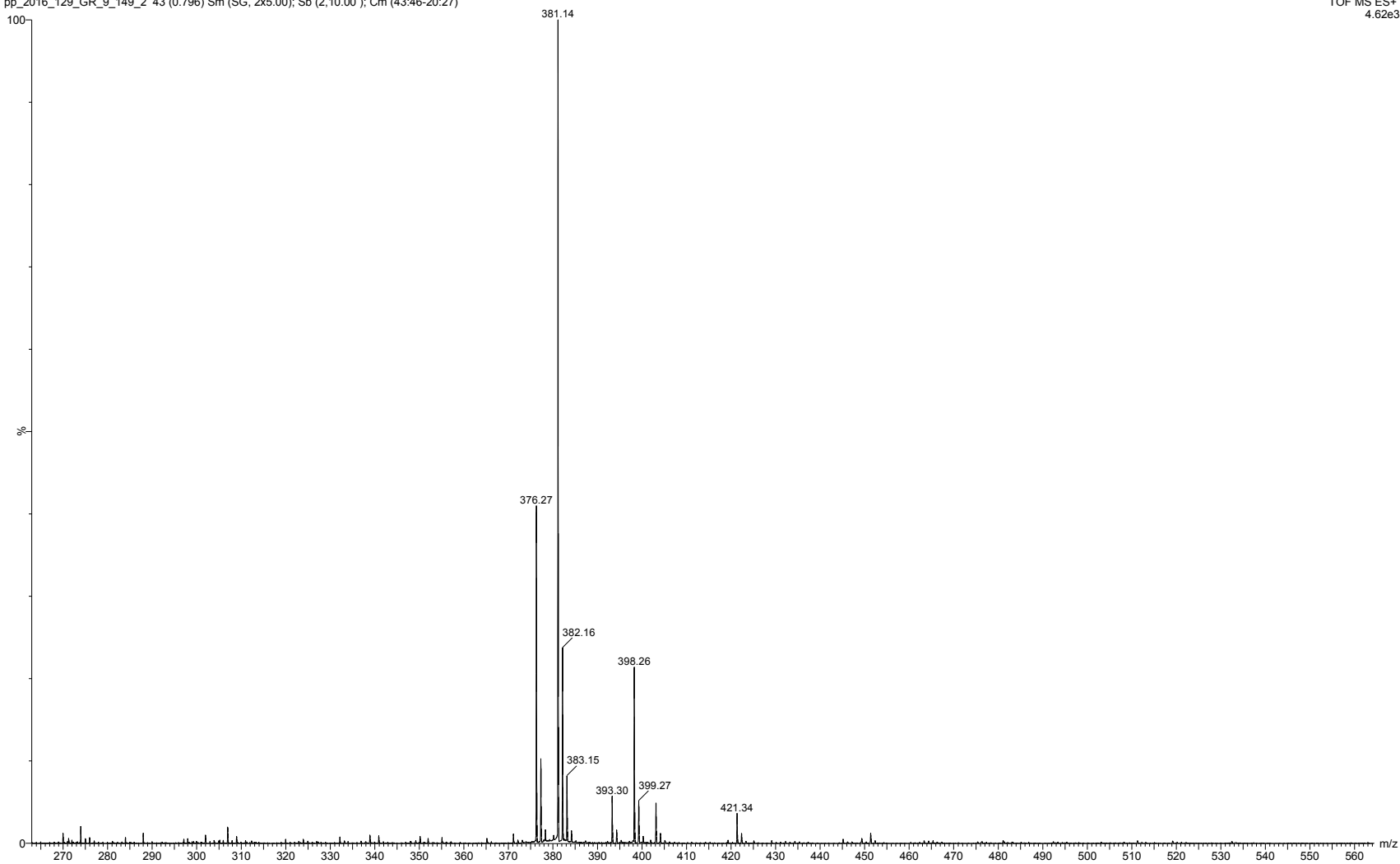
Omeprazole-D3 Sulfone N-Oxide
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-149-2



pp_2016_129_GR_9_149_2 43 (0.796) Sm (SG, 2x5.00); Sb (2,10.00); Cm (43:46-20:27)

7.0000000

TOF MS ES+
4.62e3

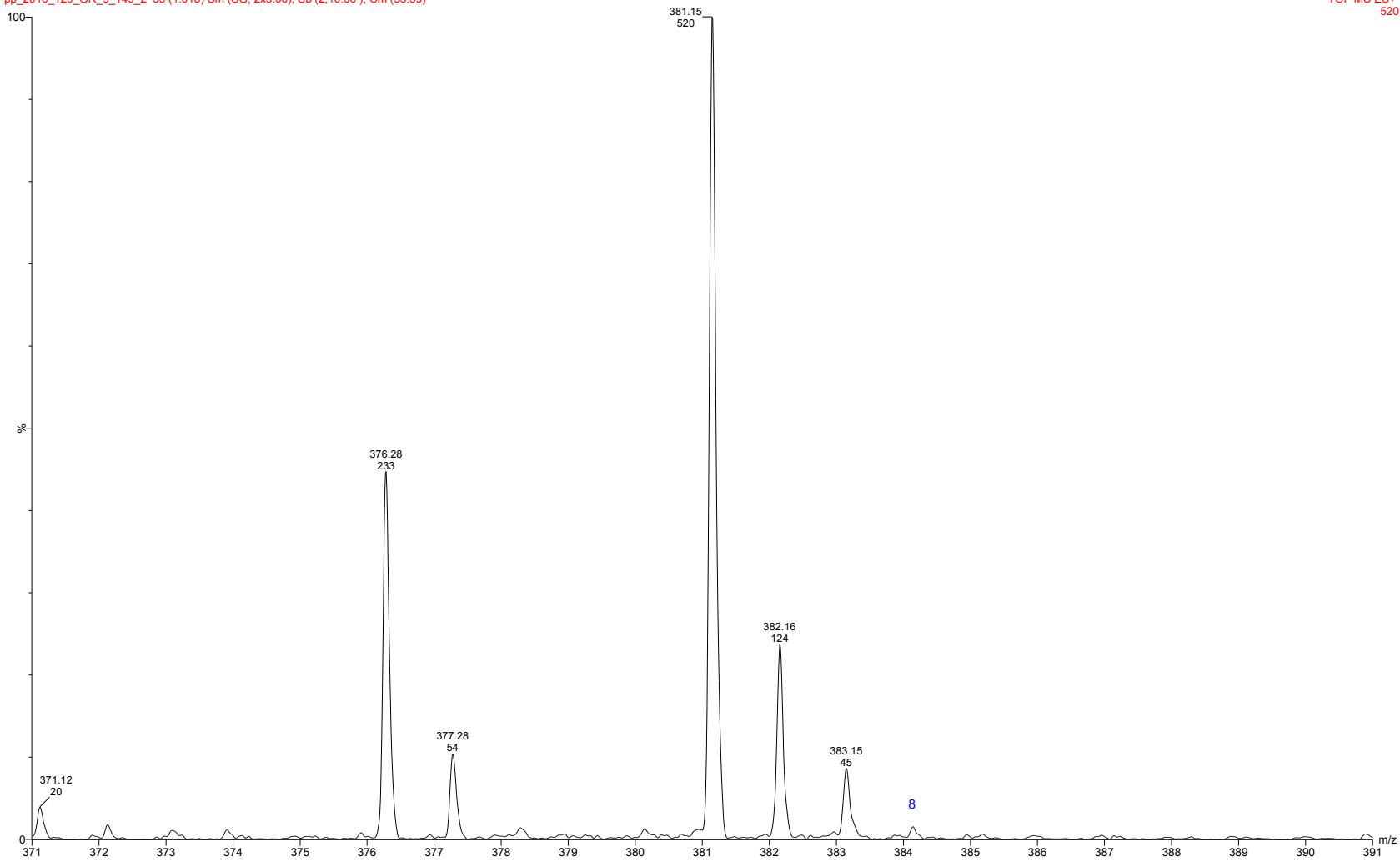


ESI-MS spectrum for sample GR-9-149-2. Shows monoisotopic [M+H]⁺ mass.

pp_2016_129_GR_9_149_2_55 (1.018) Sm (SG, 2x5.00); Sb (2,10.00); Cm (55:59)

7.0000000

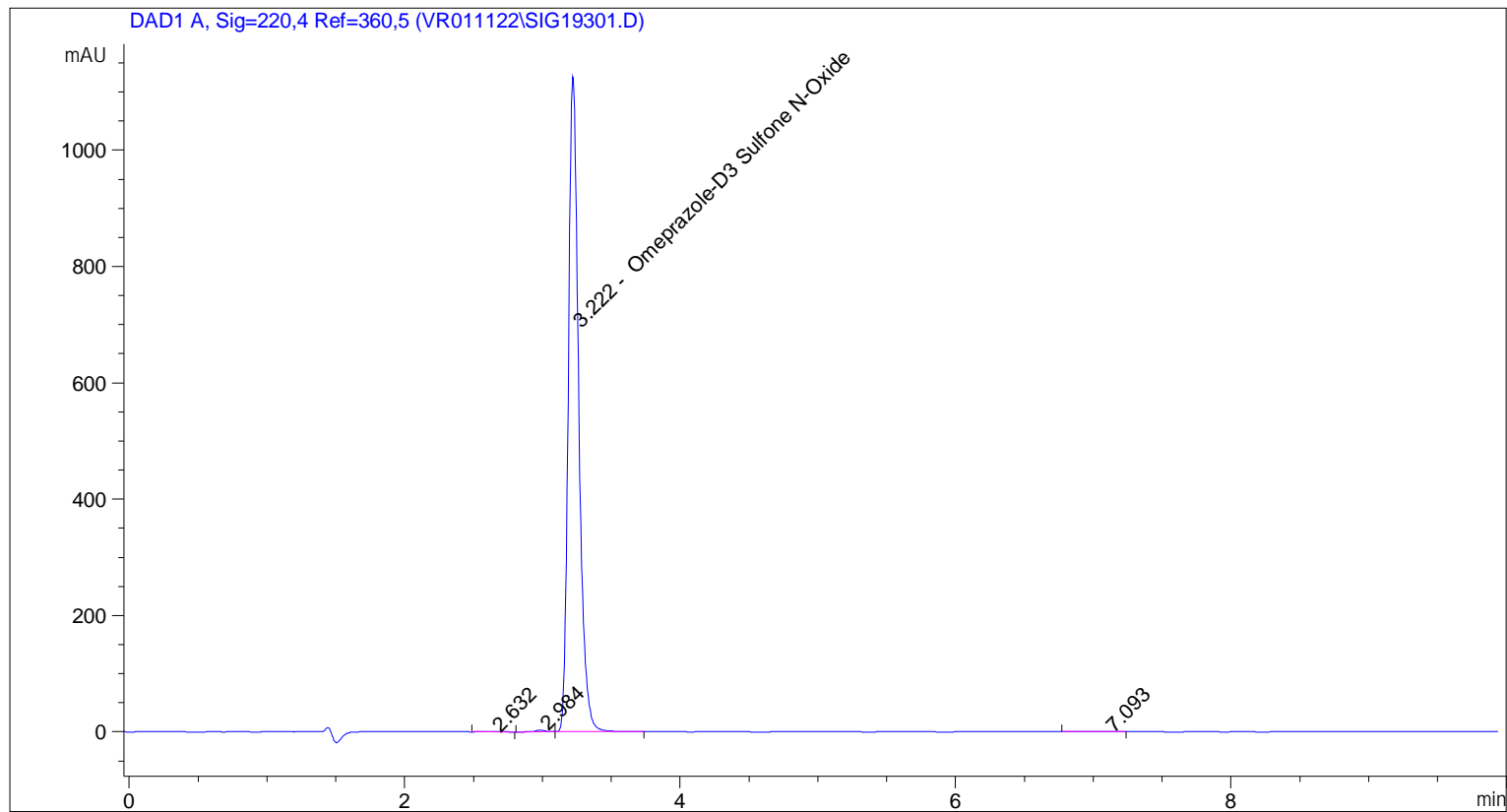
TOF MS ES+
520



Expansion of above with intensity labels.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 19
Injection Date  : 1/20/2022 2:23:25 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR012022_149.M
Last changed    : 1/20/2022 2:22:27 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR012022_149PM.M
Last changed    : 1/20/2022 3:34:30 PM by vrusu
  
```



Area Percent Report

```

Sorted By      : Signal
Calib. Data Modified : 1/20/2022 3:33:00 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	2.632	BB	0.0964	4.34647	0.0732	?
2	2.984	BV	0.0773	14.06326	0.2369	?
3	3.222	VB	0.0810	5910.57324	99.5793	Omeprazole-D3 Sulfone N-Oxide
4	7.093	BB	0.1527	6.56123	0.1105	?

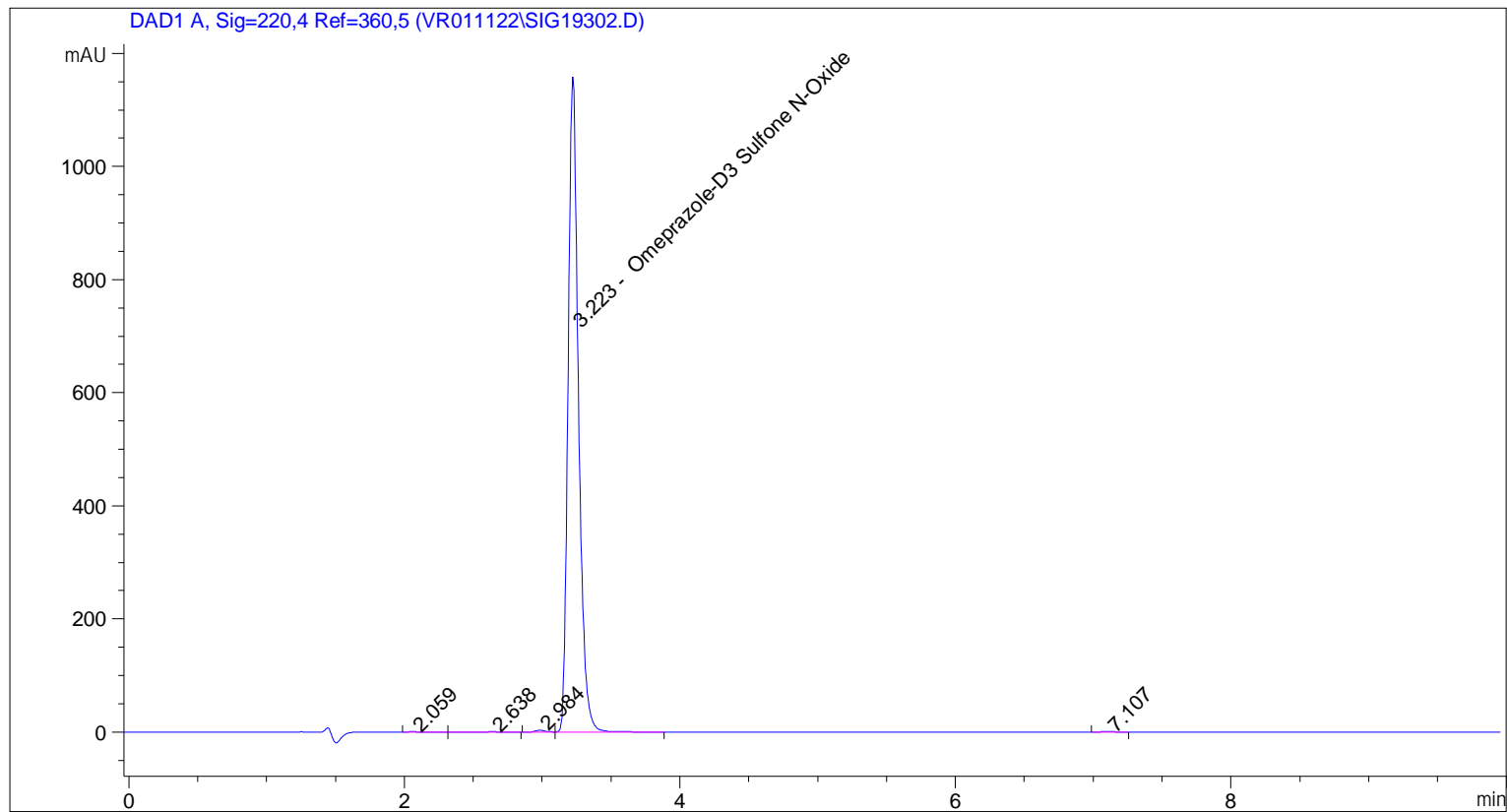
Totals : 5935.54419

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*** End of Report ***

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 20
Injection Date  : 1/20/2022 2:35:03 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR012022_149.M
Last changed    : 1/20/2022 2:34:03 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR012022_149PM.M
Last changed    : 1/20/2022 3:34:30 PM by vrusu
  
```



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

```

Sorted By           : Signal
Calib. Data Modified : 1/20/2022 3:33:00 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	2.059	BV	0.1040	6.26024	0.1024	?
2	2.638	VB	0.1560	7.66970	0.1254	?
3	2.984	BV	0.0774	17.64420	0.2886	?
4	3.223	VB	0.0792	6078.44824	99.4146	Omeprazole-D3 Sulfone N-Oxide
5	7.107	BB	0.1129	4.21801	0.0690	?

Totals : 6114.24039

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*** End of Report ***