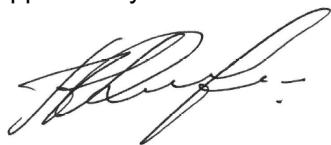


Name:	Metronidazole-D4
Lot#:	GR-14-185
Test Date:	01/21/2025 (re-test date:01/21/2030)
CAS No.:	1261392-47-5
MF:	C ₆ H ₅ D ₄ N ₃ O ₃
MW:	175.18
Appearance:	Off-White Solid
Purity:	99.6% by HPLC; 99.3% atom D
¹H-NMR:	Conforms (shows a trace of MeOH)
MS-ESI (+)	Conforms (shows peak at m/z = 176.10 [M+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

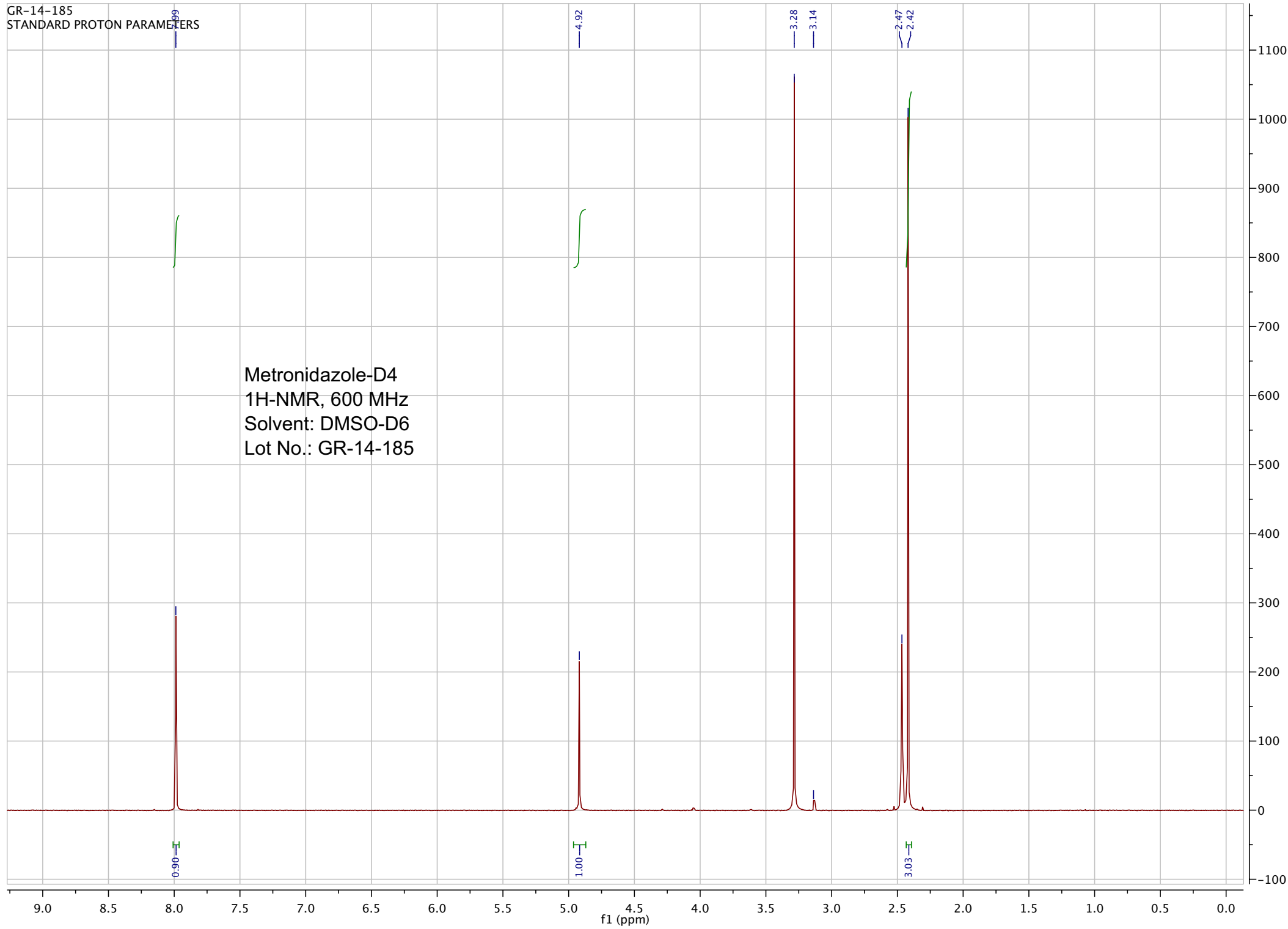
Approved by:

Date: 01/21/2025



Viorica Rusu, QC/QA Manager

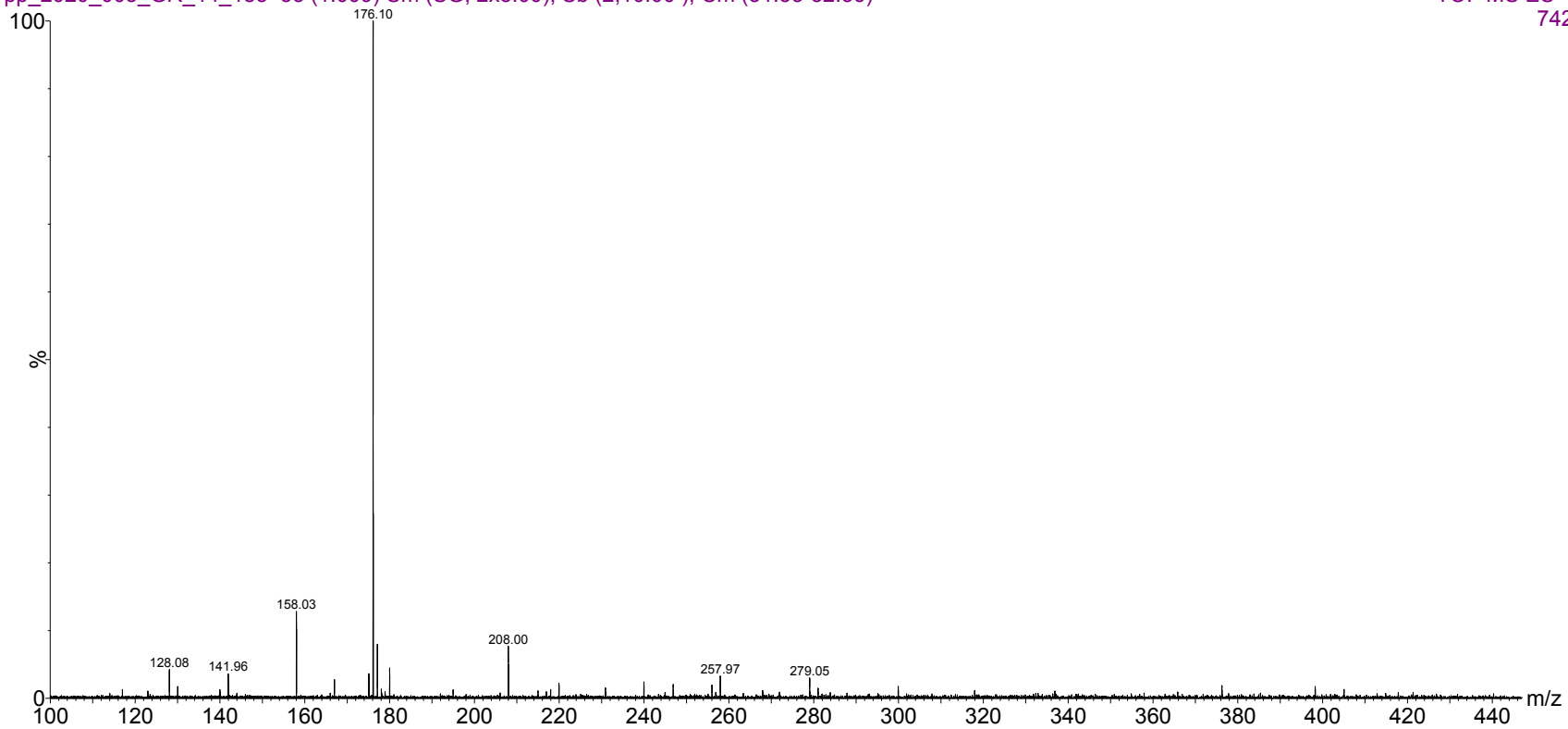
Metronidazole-D4
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-14-185



22-Jan-2020, 14:03:08

TOF MS ES+
742

pp_2020_003_GR_14_185 53 (1.009) Sm (SG, 2x5.00); Sb (2,10.00); Cm (51:53-32:36)

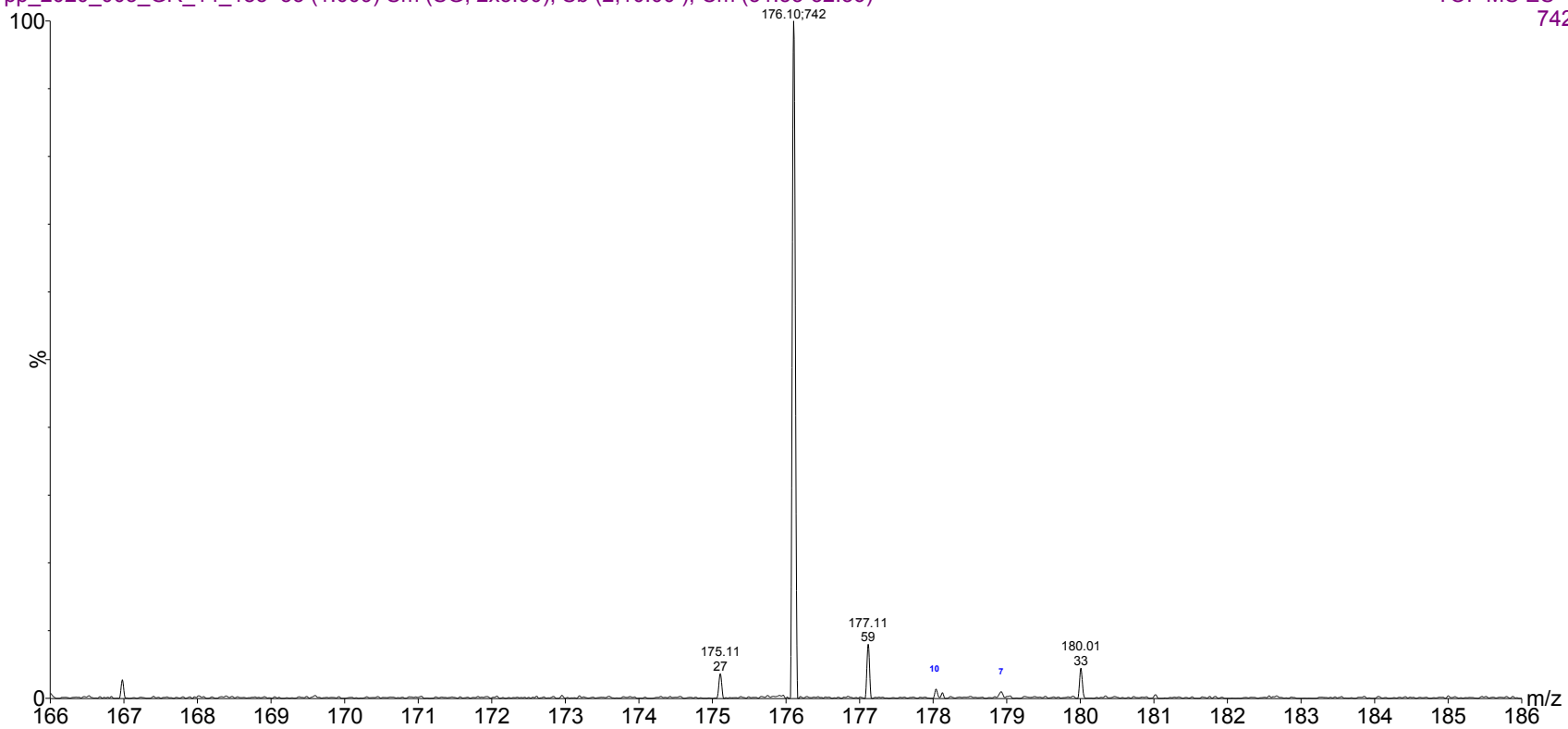


ESI-MS spectrum for sample GR-14-185. Shows monoisotopic $[M+H]^+$ mass.

22-Jan-2020, 14:03:08

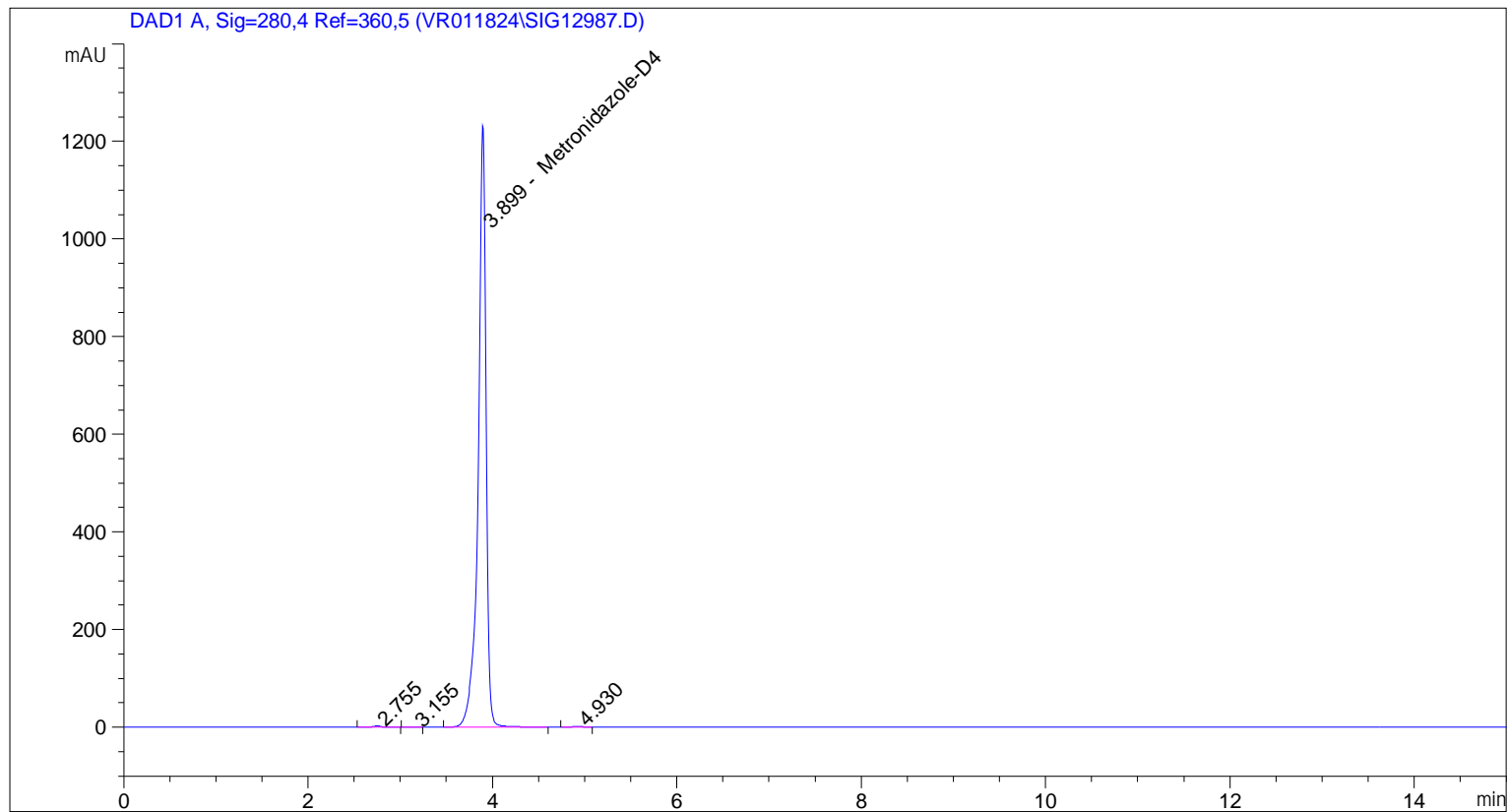
TOF MS ES+
742

pp_2020_003_GR_14_185_53 (1.009) Sm (SG, 2x5.00); Sb (2,10.00); Cm (51:53-32:36)



Expansion of above showing intensity labels. Peak at 180.01 is likely a contaminant.

=====
Acq. Operator :
Acq. Instrument : Instrument 1 Location : Vial 14
Injection Date : 1/21/2025 1:32:27 PM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR012125_185.M
Last changed : 1/21/2025 1:31:28 PM
Analysis Method : C:\CHEM32\1\METHODS\VR012125_185PM.M
Last changed : 1/21/2025 2:06:38 PM



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

Sorted By : Signal
Calib. Data Modified : 1/21/2025 2:06:33 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=280,4 Ref=360,5

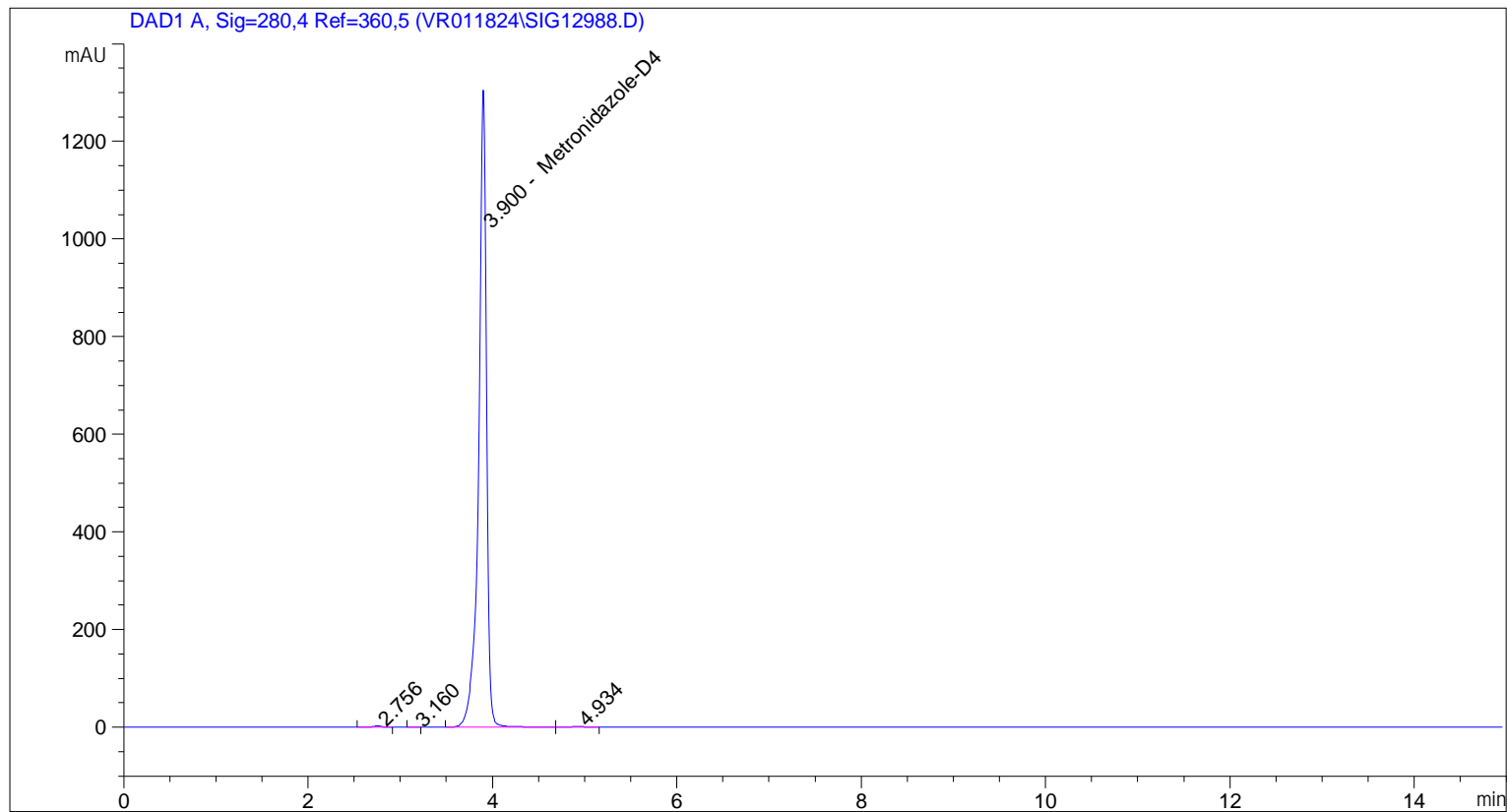
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.755	BB	0.0792	14.61191	0.2037	?
2	3.155	BB	0.0765	1.42792	0.0199	?
3	3.899	BB	0.0855	7147.14160	99.6397	Metronidazole-D4
4	4.930	BB	0.1001	9.80625	0.1367	?

Totals : 7172.98769

=====

*** End of Report ***

=====
Acq. Operator :
Acq. Instrument : Instrument 1 Location : Vial 15
Injection Date : 1/21/2025 1:50:10 PM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR012125_185.M
Last changed : 1/21/2025 1:49:13 PM
Analysis Method : C:\CHEM32\1\METHODS\VR012125_185PM.M
Last changed : 1/21/2025 2:06:38 PM



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

Sorted By : Signal
Calib. Data Modified : 1/21/2025 2:06:33 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=280,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.756	BB	0.0758	14.85138	0.1960	?
2	3.160	BB	0.0734	1.29471	0.0171	?
3	3.900	BV	0.0854	7548.41602	99.6072	Metronidazole-D4
4	4.934	VB	0.1142	13.62191	0.1798	?

Totals : 7578.18401

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*** End of Report ***