

Name:	Metronidazole-D4 Hydrochloride
Lot#:	GR-9-163-1
Test Date:	12/01/2016 (re-test date: 12/01/2021)
CAS No.:	1261397-74-3
MF:	C ₆ H ₆ D ₄ ClN ₃ O ₃
MW:	211.64
Appearance:	White solid
Purity:	99.8% by HPLC, 99% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 176.09 [M _{free base} +H] ⁺)

Approved by:

Date: 01/19/2017



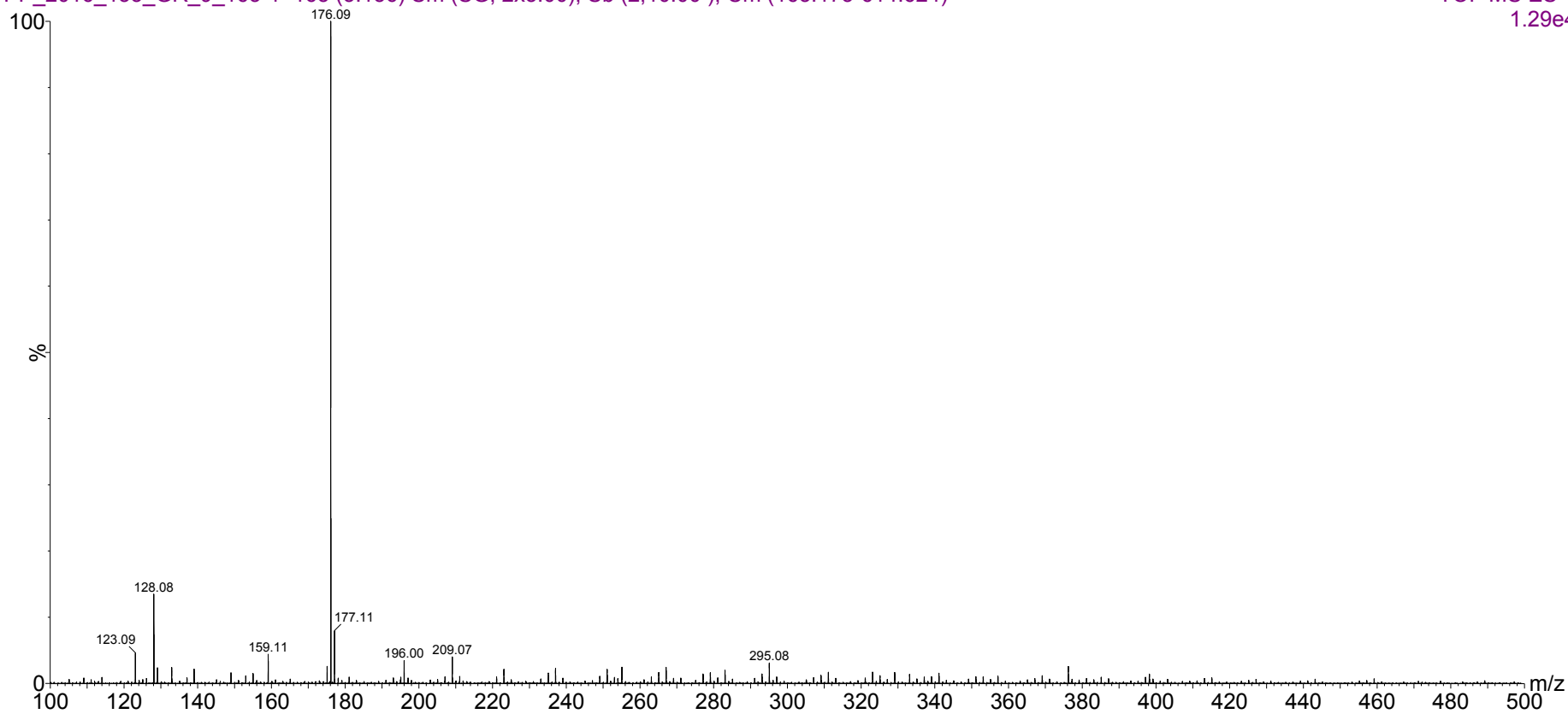
Viorica Rusu, QC/QA Manager

15:36:50, 01-Dec-2016

TOF MS ES+

1.29e4

PP_2016_133_GR_9_163-1 165 (3.156) Sm (SG, 2x5.00); Sb (2,10.00); Cm (163:173-614:624)



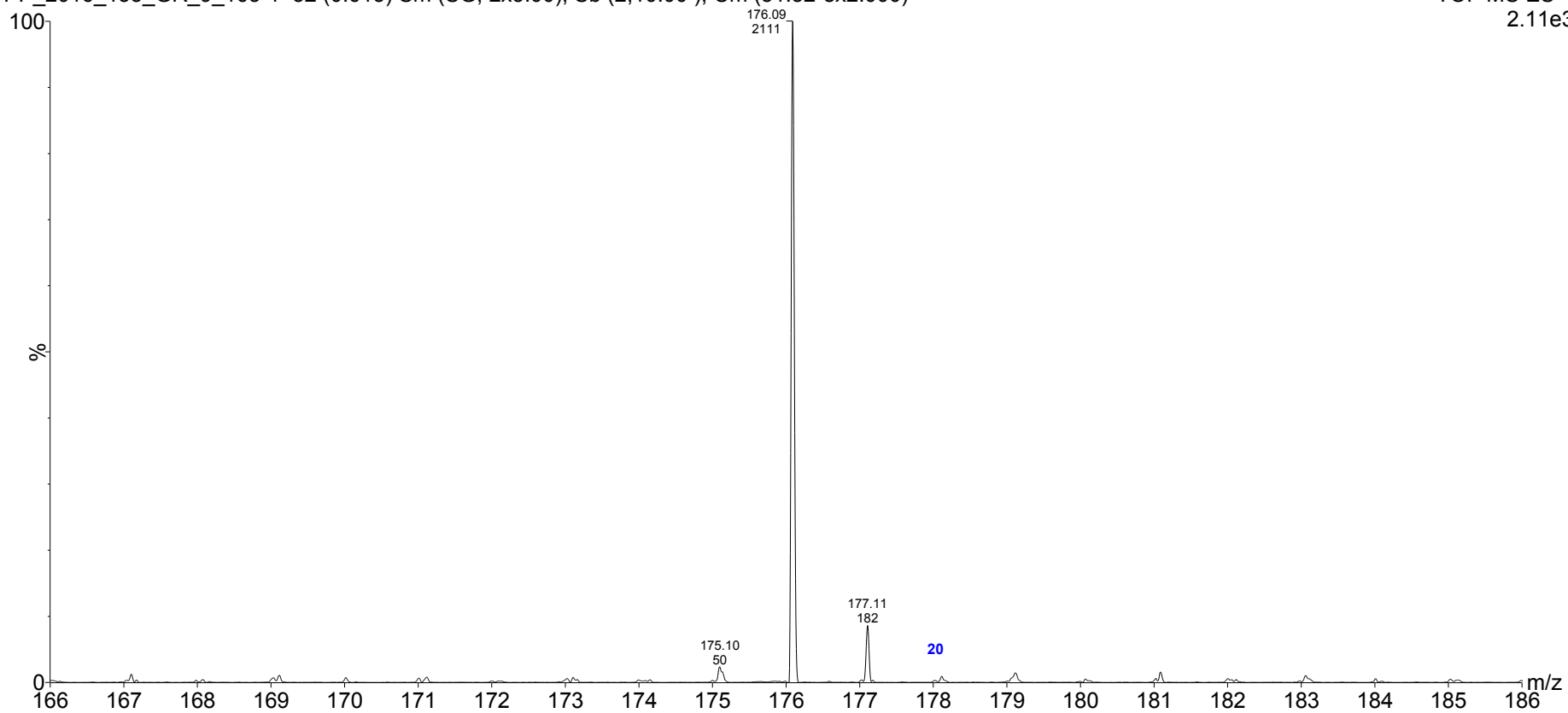
Raw ESI-MS spectrum for sample GR-9-163-1. Shows monoisotopic $[M+H]^+$ mass.

15:36:50, 01-Dec-2016

TOF MS ES+

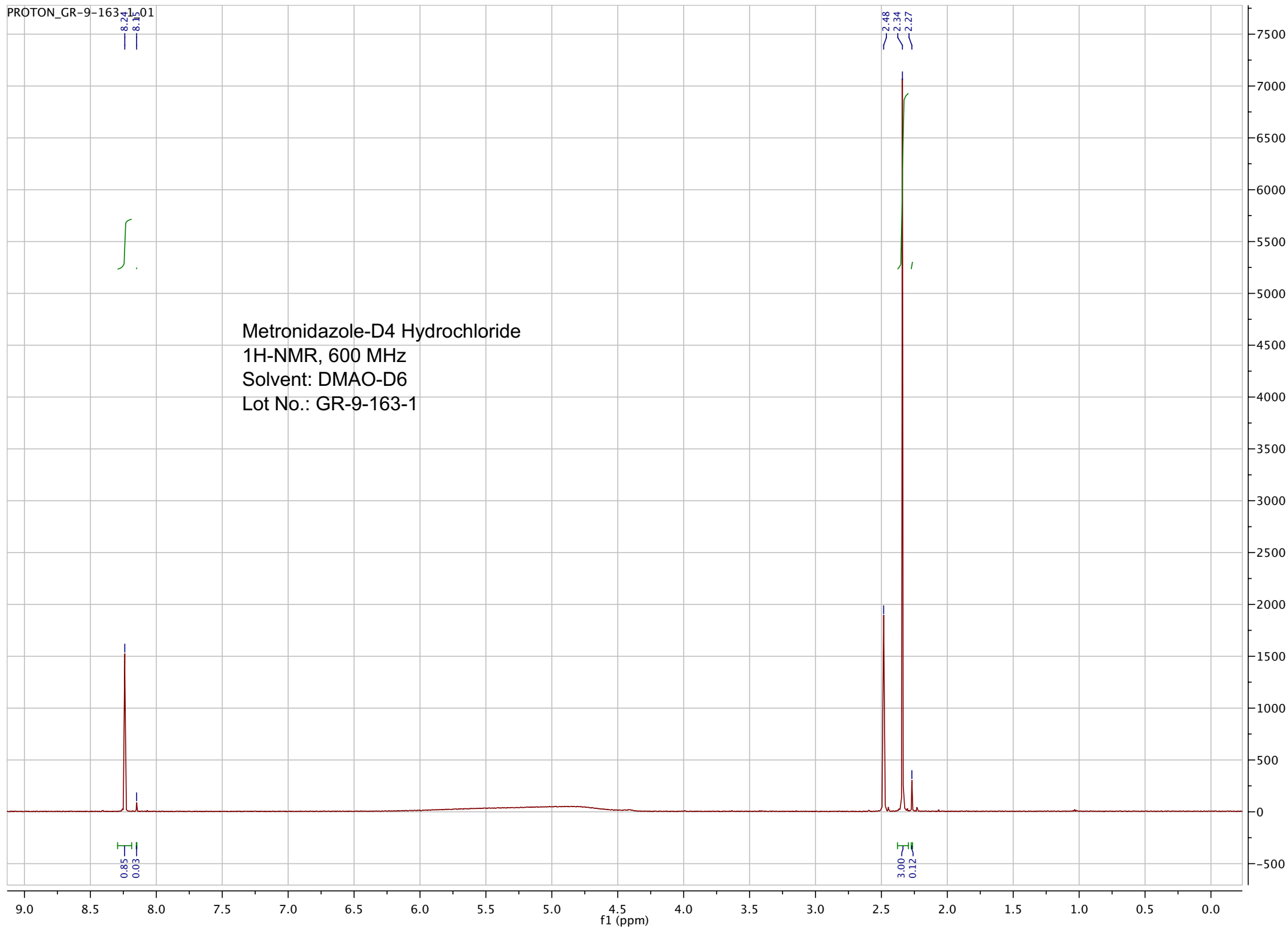
2.11e3

PP_2016_133_GR_9_163-1 32 (0.613) Sm (SG, 2x5.00); Sb (2,10.00); Cm (31:32-8x2.000)



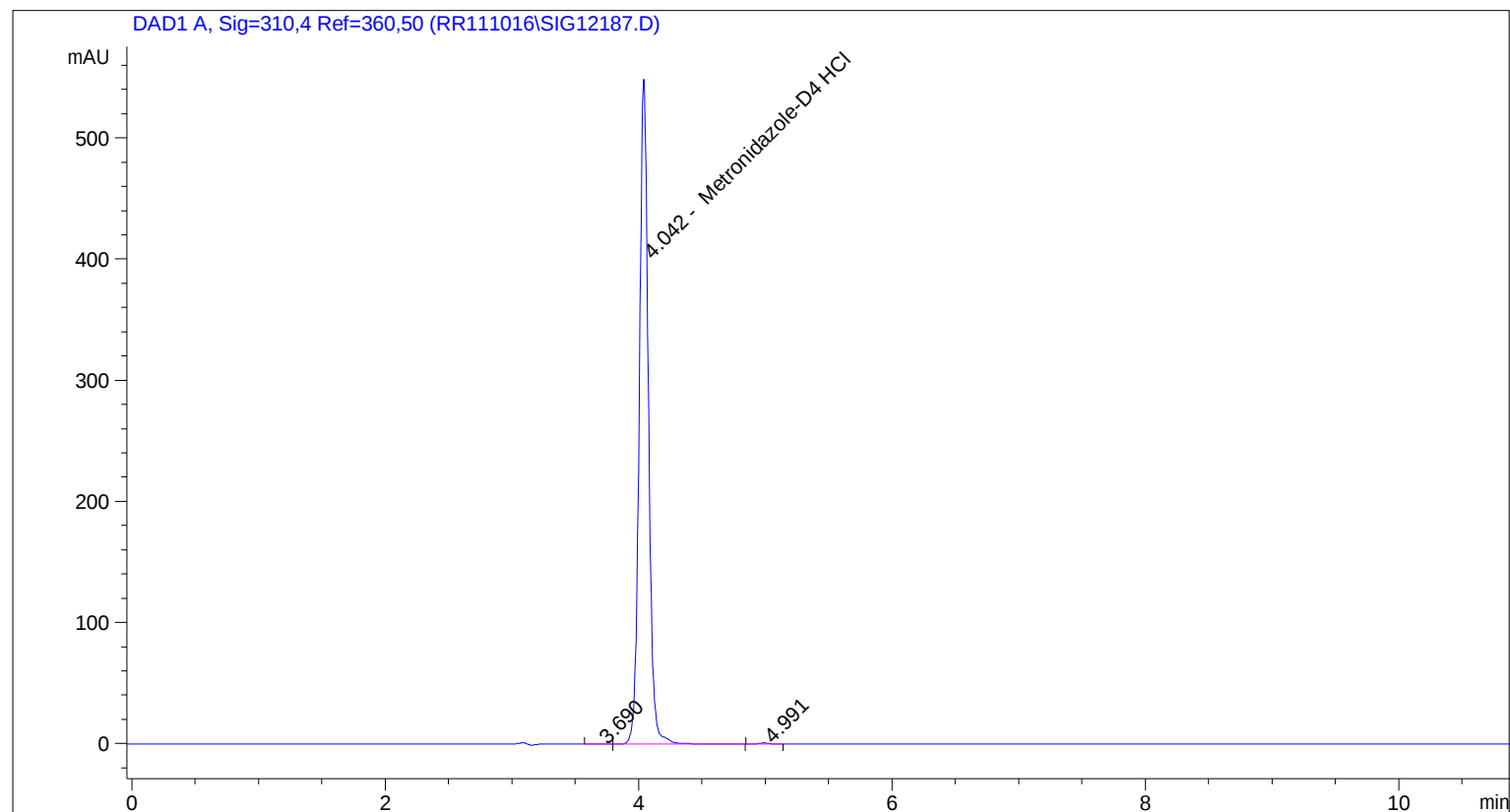
Expansion of above with intensity labels.

PROTON_GR-9-163-1



Sample Name: GR-9-163-1

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 40
Injection Date  : 11/30/2016 9:25:53 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR112916_163_1.M
Last changed    : 11/30/2016 9:24:51 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR113016_163_1PM.M
Last changed    : 11/30/2016 3:11:28 PM by vrusu
                  (modified after loading)
Sample Info     : Zorbax SB C18, 4.6x250mm, 5µ
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                        Area Percent Report
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Sorted By           :      Signal
Calib. Data Modified :      11/30/2016 3:11:28 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=310,4 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.690	BB	0.0708	1.35326	0.0487	?
2	4.042	BB	0.0768	2769.98633	99.7652	Metronidazole-D4 HCl
3	4.991	BB	0.0915	5.16481	0.1860	?

Sample Name: GR-9-163-1

Totals : 2776.50441

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*** End of Report ***