

<b>Name:</b>	<b>Lansoprazole-D4</b>
<b>Lot#:</b>	GR-9-071
<b>Test Date:</b>	11/11/2022 (re-test date: 11/11/2027)
<b>CAS No.:</b>	934294-22-1
<b>MF:</b>	C <sub>18</sub> H <sub>10</sub> D <sub>4</sub> F <sub>3</sub> N <sub>3</sub> O <sub>2</sub> S
<b>MW:</b>	373.39
<b>Appearance:</b>	White Solid
<b>Purity:</b>	98.8% by HPLC (average of two sample preparations); 99% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms
<b>MS-ESI (+)</b>	Conforms (shows peak at m/z = 374.15 [M+H] <sup>+</sup> )
<b>Storage</b>	Store at -18°C in a dry place away from direct sunlight

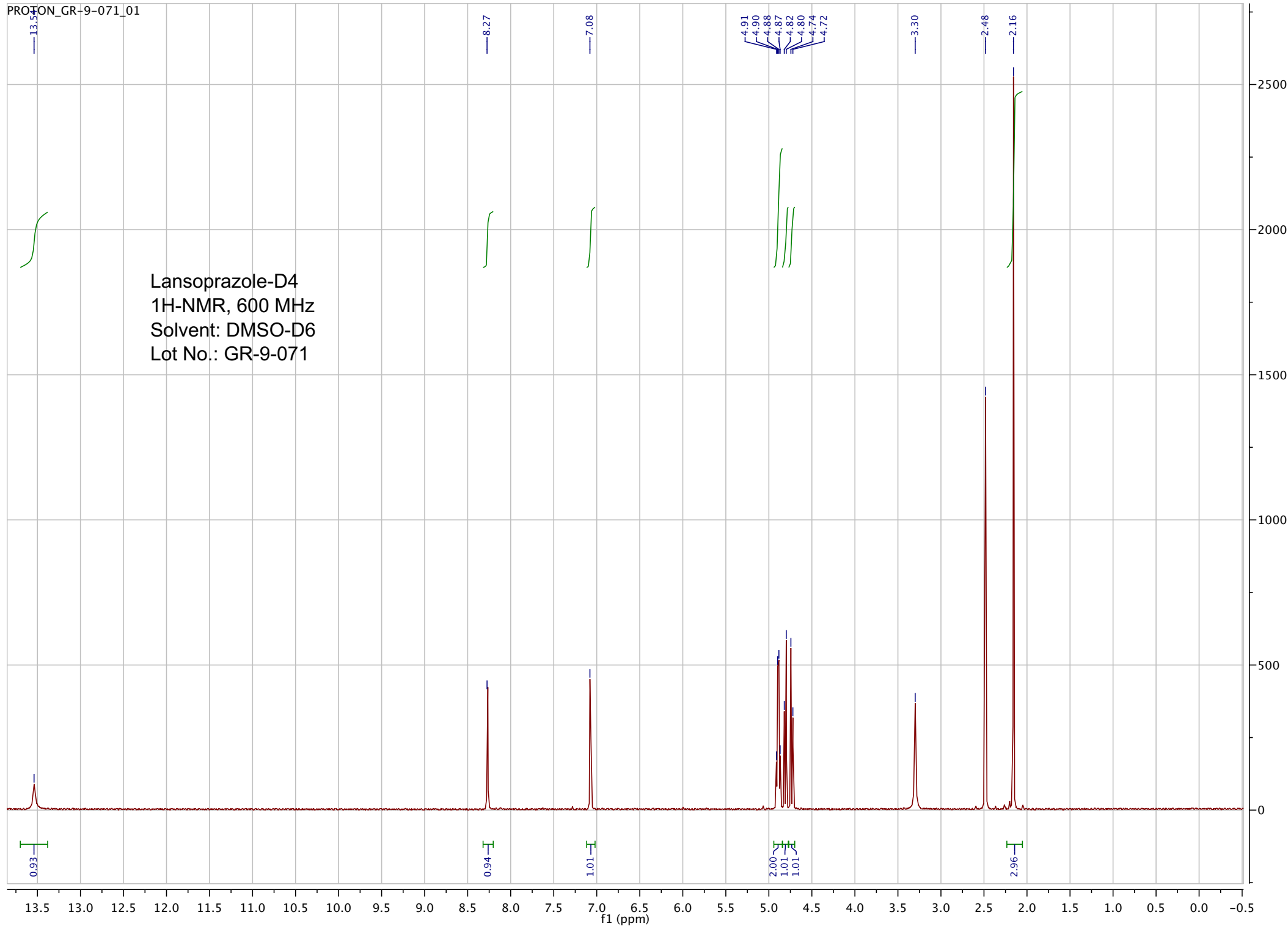
Approved by:

Date: 11/12/2022



Viorica Rusu, QC/QA Manager

Lansoprazole-D4  
1H-NMR, 600 MHz  
Solvent: DMSO-D6  
Lot No.: GR-9-071



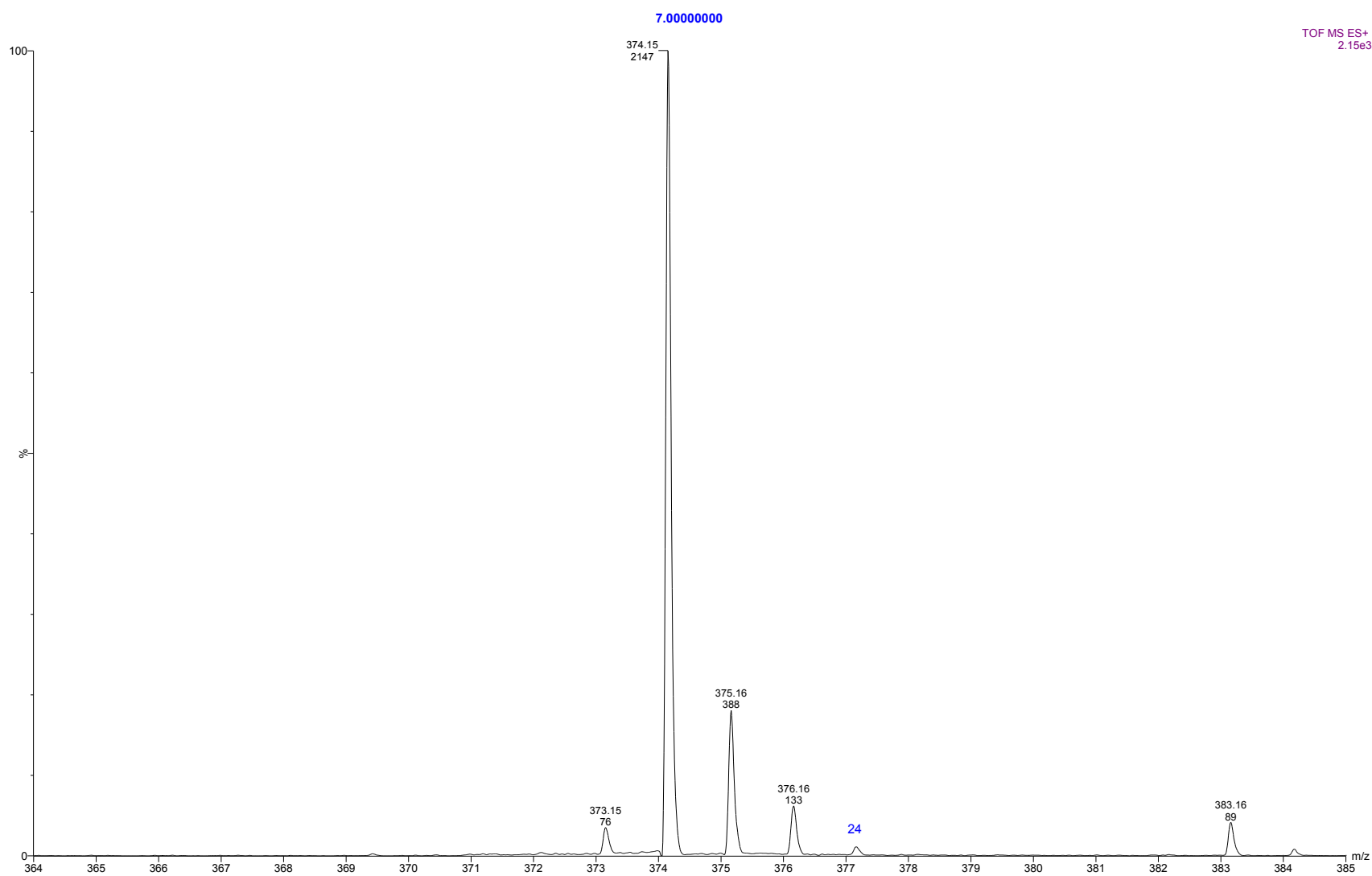
7.0000000

TOF MS ES+  
2.15e3



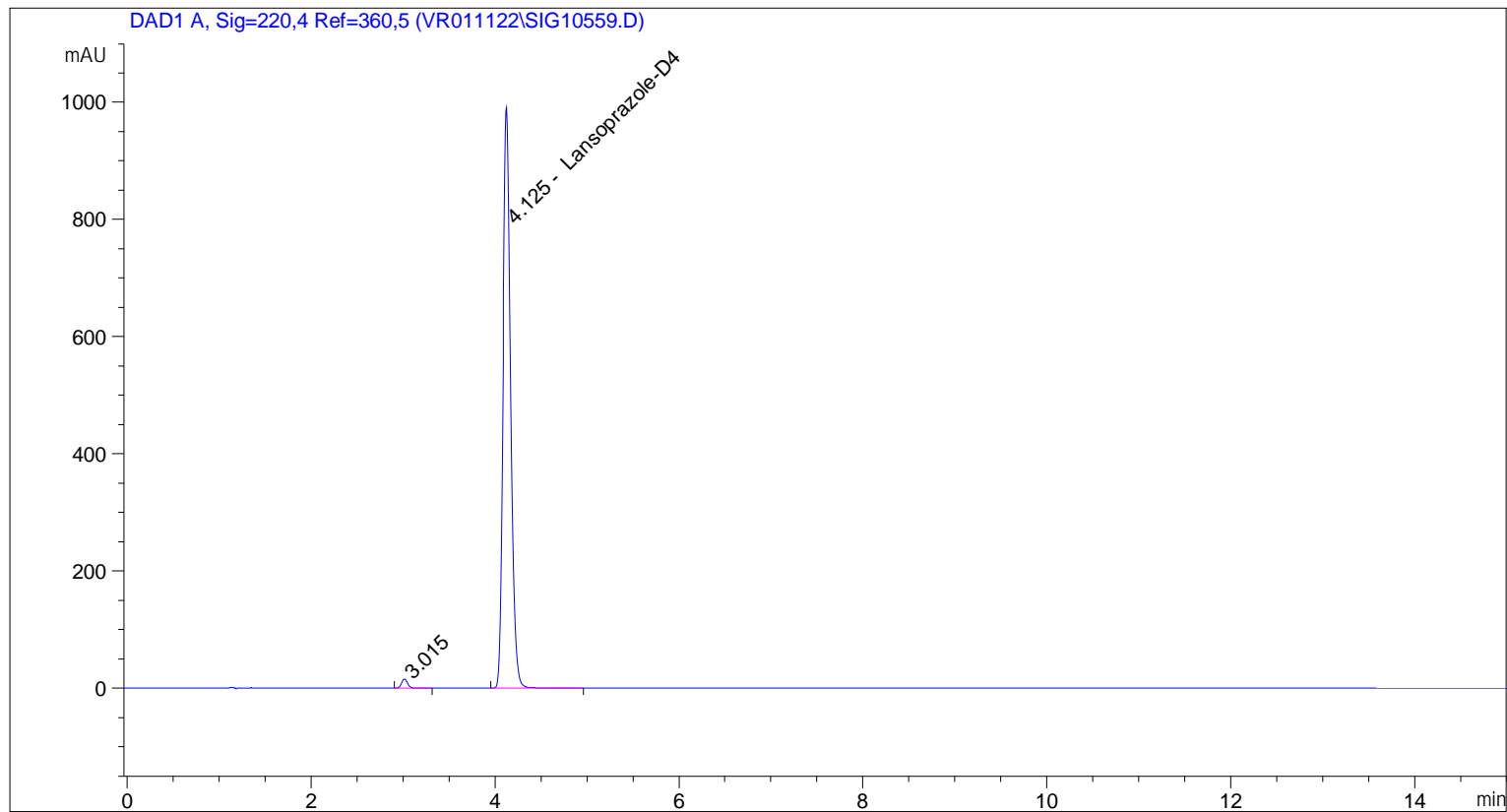
ESI-MS spectrum for sample GR-9-071. Shows monoisotopic [M+H]<sup>+</sup> mass.

TOF MS ES+  
2.15e3



Expansion of above with intensity labels.

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Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 3  
Injection Date : 11/10/2022 10:52:08 AM Inj Volume : 5.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR111022\_071.M  
Last changed : 11/10/2022 10:51:01 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR111122\_071PM.M  
Last changed : 11/11/2022 12:44:48 PM by vrusu



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Area Percent Report  
=====

Sorted By : Signal  
Calib. Data Modified : 11/11/2022 12:43:21 PM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

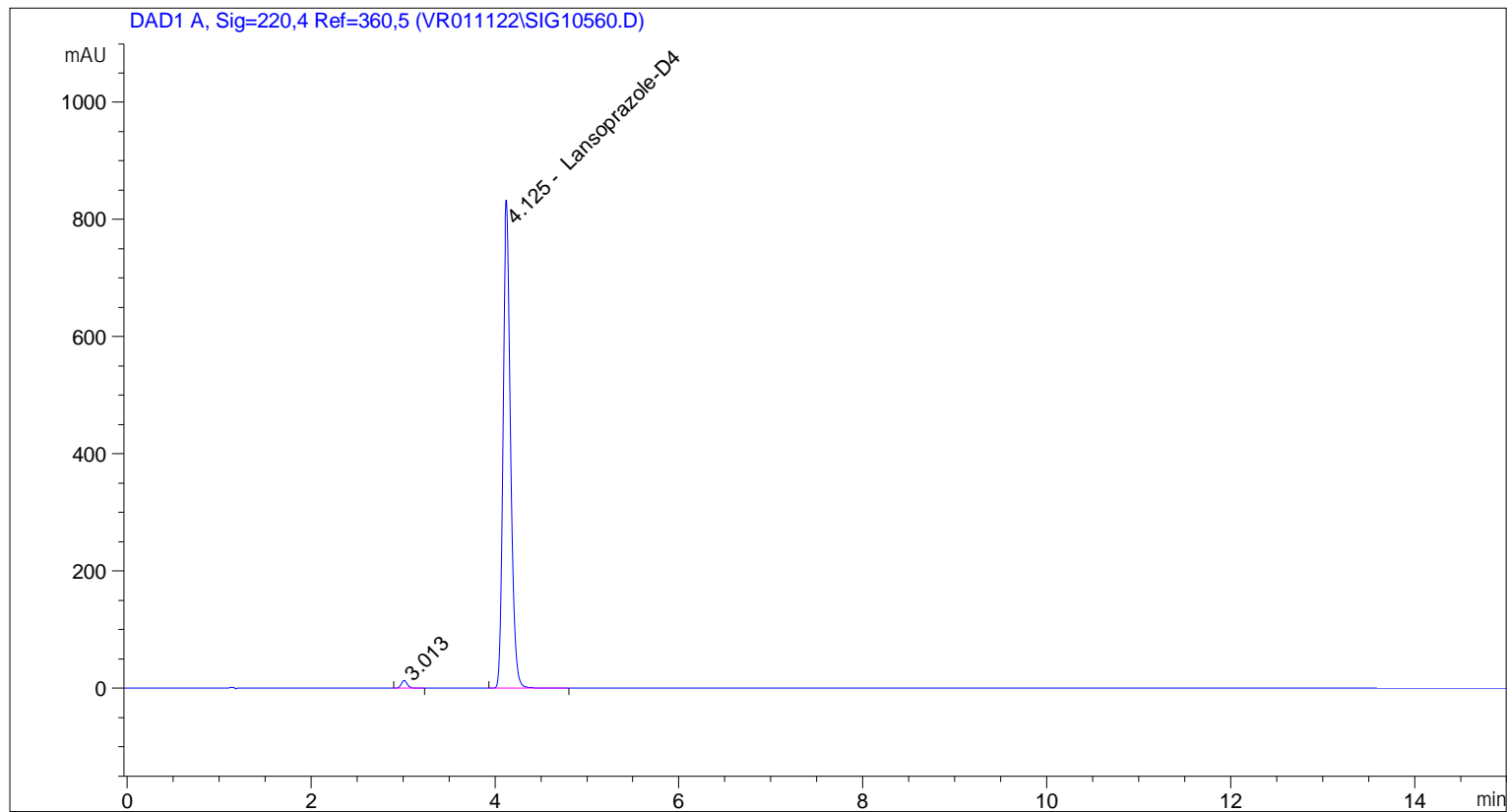
Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.015	BB	0.0692	67.97104	1.1699	?
2	4.125	BB	0.0875	5742.06055	98.8301	Lansoprazole-D4

Totals : 5810.03159

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\*\*\* End of Report \*\*\*

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Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 4  
Injection Date : 11/10/2022 11:10:28 AM Inj Volume : 5.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR111022\_071.M  
Last changed : 11/10/2022 11:09:26 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR111122\_071PM.M  
Last changed : 11/11/2022 12:44:48 PM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : 11/11/2022 12:43:21 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	3.013	BB	0.0669	56.81982	1.1609	?
2	4.125	BB	0.0875	4837.73486	98.8391	Lansoprazole-D4

Totals : 4894.55468

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\*\*\* End of Report \*\*\*