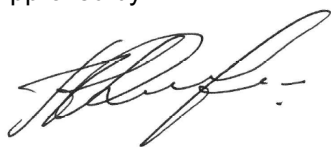


Name:	Hydralazine-D5 Hydrochloride
Lot#:	GR-20-067A
Test Date:	02/16/2026 (re-test date: 02/16/2031)
CAS No.:	2012598-61-5
MF:	C ₈ H ₄ D ₅ ClN ₄
MW:	201.67
Appearance:	White solid
Purity:	99.4% by HPLC (average of two sample preparations); 98% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 166.11 [M _{(free base)+H}] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

Approved by:

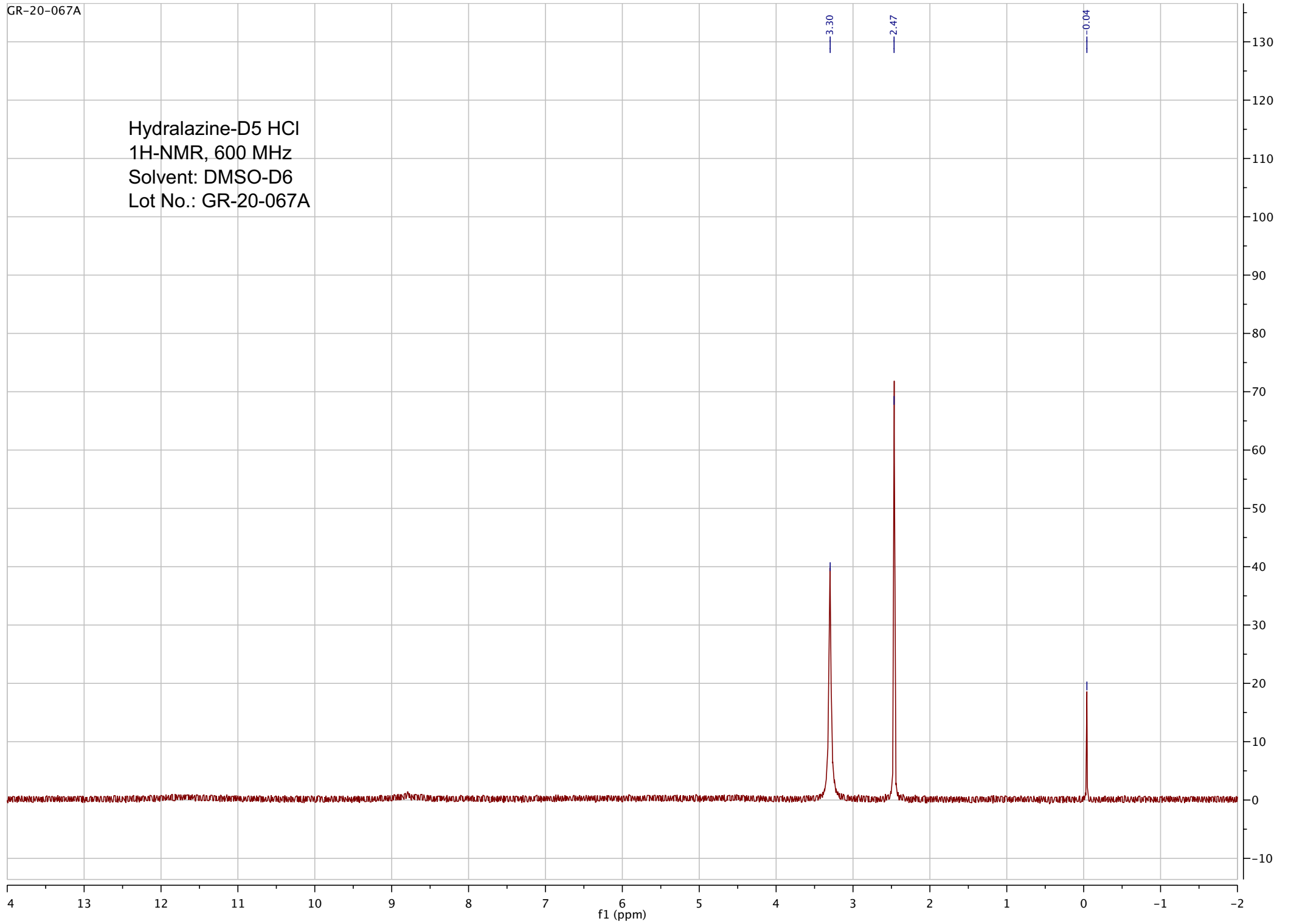
Date: 02/20/2026



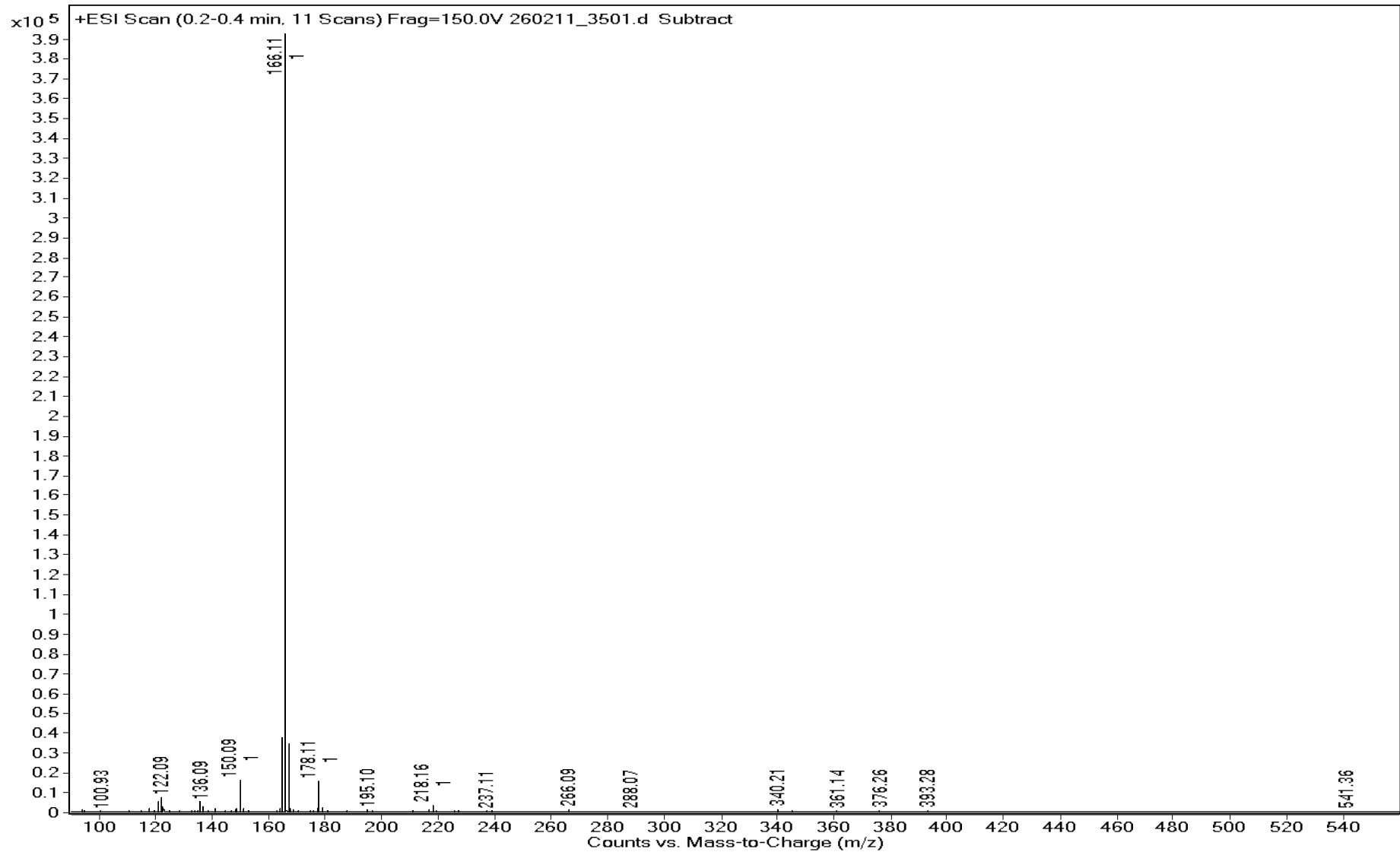
Viorica Rusu, QC/QA Manager

GR-20-067A

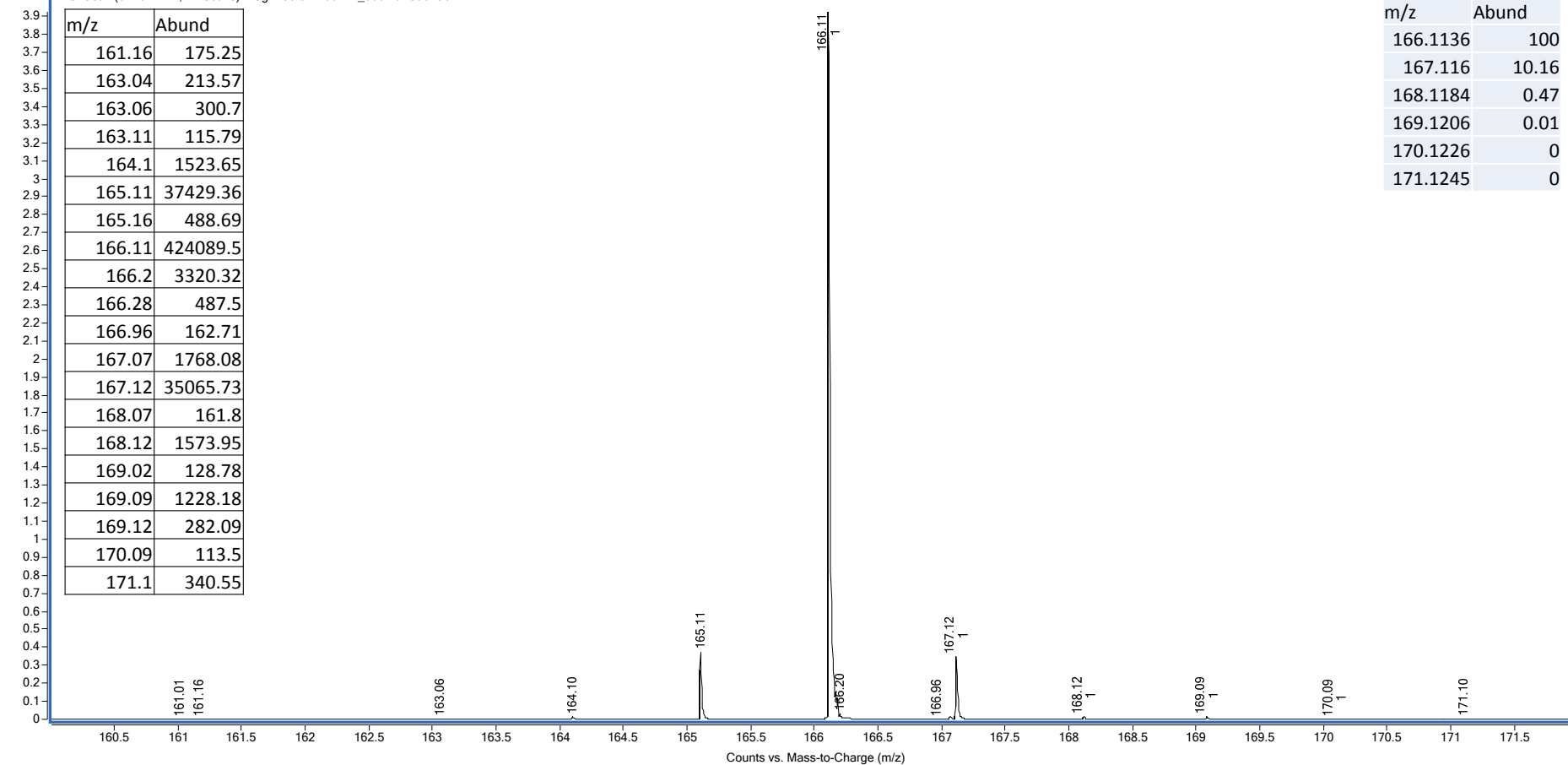
Hydralazine-D5 HCl
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-20-067A



Sample Name	GR-20-067A	Data File	260211_3501.d	Acq Method	HRMS_AS.m
DA Method	AIMS_Accurate_Mass.m	Instrument	Agilent 6538 UHD	Acq Date, Time	11/02/2026 12:59:33 PM
Comment	ESI+				



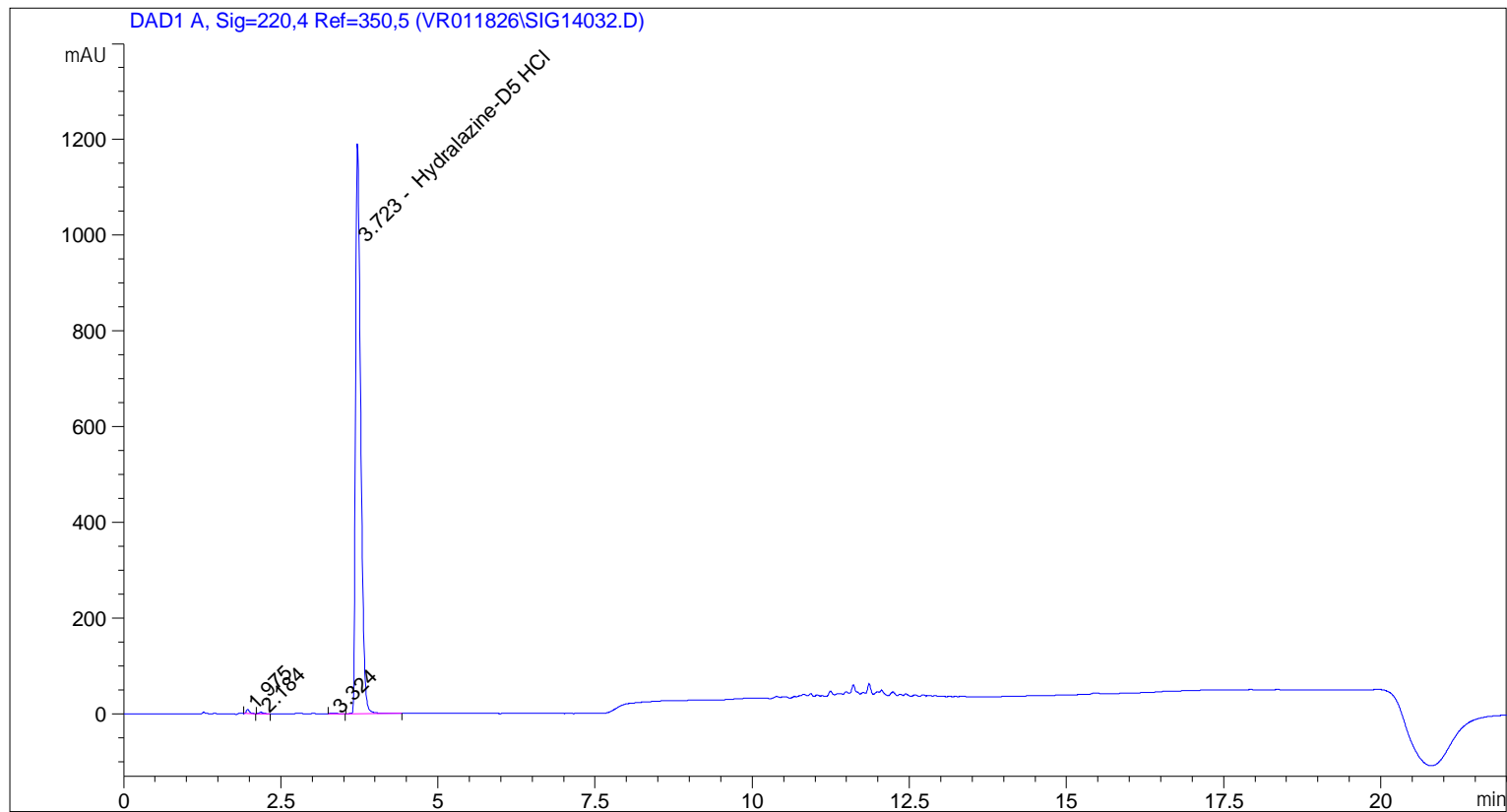
+ESI Scan (0.2-0.4 min, 11 Scans) Frag=150.0V 260211_3501.d Subtract



m/z	Abund
161.16	175.25
163.04	213.57
163.06	300.7
163.11	115.79
164.1	1523.65
165.11	37429.36
165.16	488.69
166.11	424089.5
166.2	3320.32
166.28	487.5
166.96	162.71
167.07	1768.08
167.12	35065.73
168.07	161.8
168.12	1573.95
169.02	128.78
169.09	1228.18
169.12	282.09
170.09	113.5
171.1	340.55

m/z	Abund
166.1136	100
167.116	10.16
168.1184	0.47
169.1206	0.01
170.1226	0
171.1245	0

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 5
Injection Date : 2/16/2026 3:04:46 PM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR021626_067A.M
Last changed : 2/16/2026 3:03:38 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021626_067APM.M
Last changed : 2/16/2026 4:06:28 PM by vrusu



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

Sorted By : Signal
Calib. Data Modified : 2/16/2026 4:04:53 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=350,5

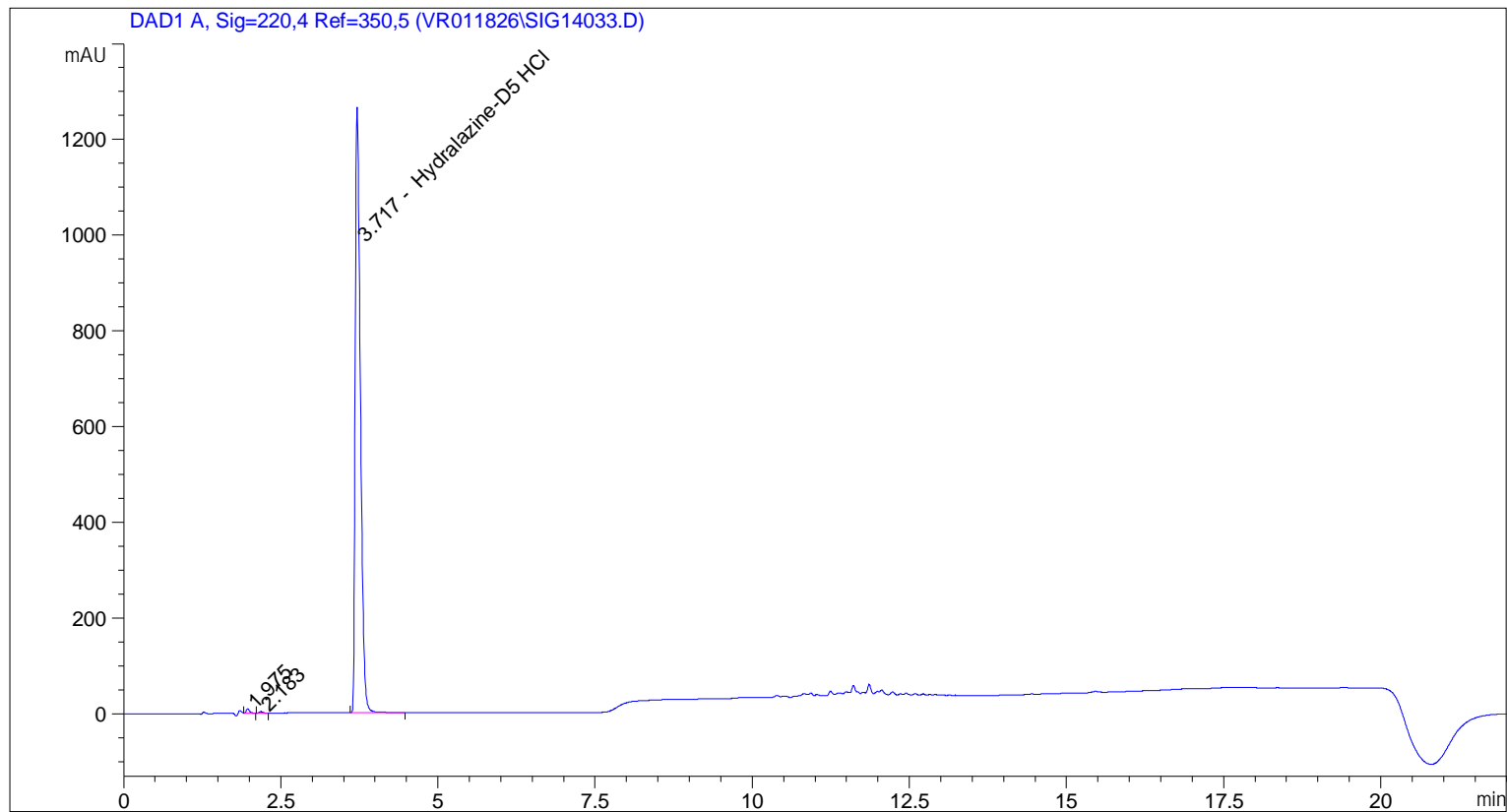
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.975	BB	0.0558	30.27115	0.4426	?
2	2.184	BB	0.0570	10.72664	0.1569	?
3	3.324	BB	0.0742	2.48070	0.0363	?
4	3.723	BB	0.0885	6795.16309	99.3642	Hydralazine-D5 HCl

Totals : 6838.64157

=====

*** End of Report ***

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 6
Injection Date : 2/16/2026 3:29:54 PM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR021626_067A.M
Last changed : 2/16/2026 3:28:52 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021626_067APM.M
Last changed : 2/16/2026 4:06:28 PM by vrusu



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

Sorted By : Signal
Calib. Data Modified : 2/16/2026 4:04:53 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=350,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.975	BB	0.0546	32.49149	0.4394	?
2	2.183	BB	0.0565	11.46760	0.1551	?
3	3.717	BB	0.0896	7351.22461	99.4056	Hydralazine-D5 HCl

Totals : 7395.18371