

Name: Desipramine-2,4,6,8-D4 HCl

Lot#: GR-7-061

Test Date: 05/30/2025 (re-test date: 05/30/2030)

CAS No.: 61361-34-0

MF: C₁₈H₁₉D₄ClN₂

MW: 306.87 (270.34 free base)

Appearance: White Solid

Purity: 99.6% by HPLC (average of two sample preparations); >98% atom D

¹H-NMR: Conforms

MS-ESI (+) Conforms (shows peak at m/z = 271.23 [M+H]⁺)

Storage Store at -18°C in a dry place away from direct sunlight

Approved by:

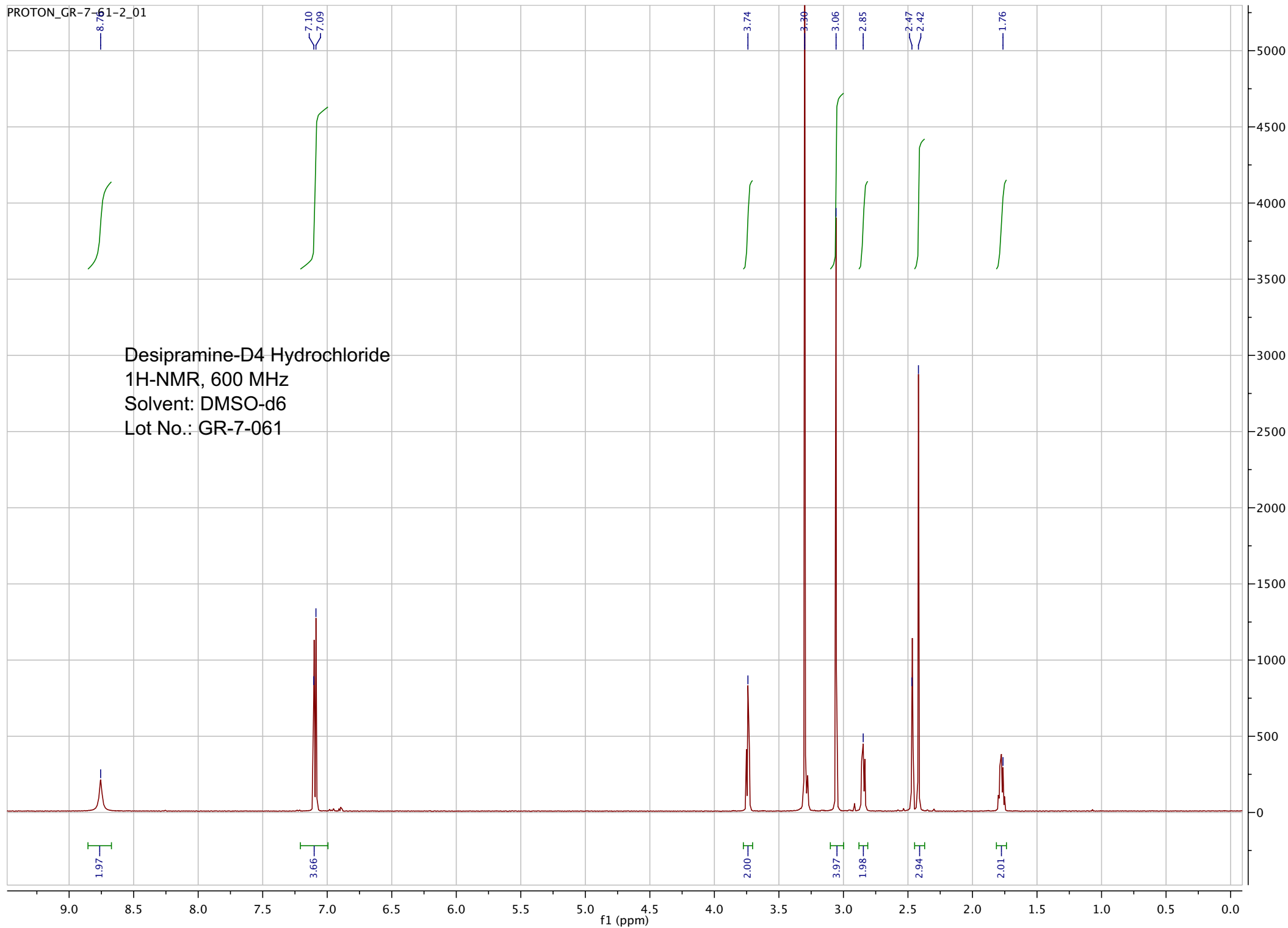
Date: 05/30/2025

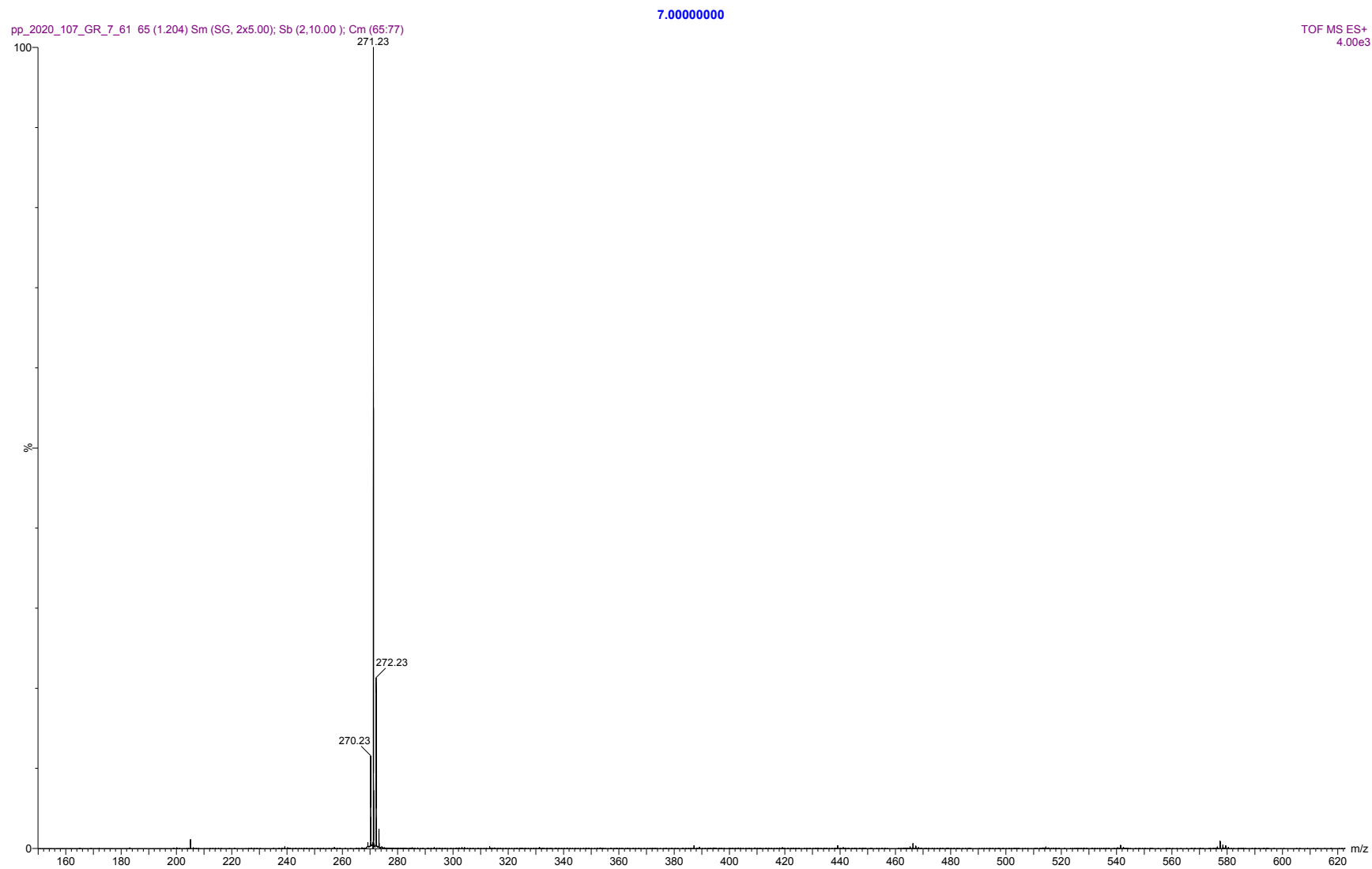


Viorica Rusu, QC/QA Manager

PROTON_GR-7-61-2_01

Desipramine-D4 Hydrochloride
1H-NMR, 600 MHz
Solvent: DMSO-d6
Lot No.: GR-7-061



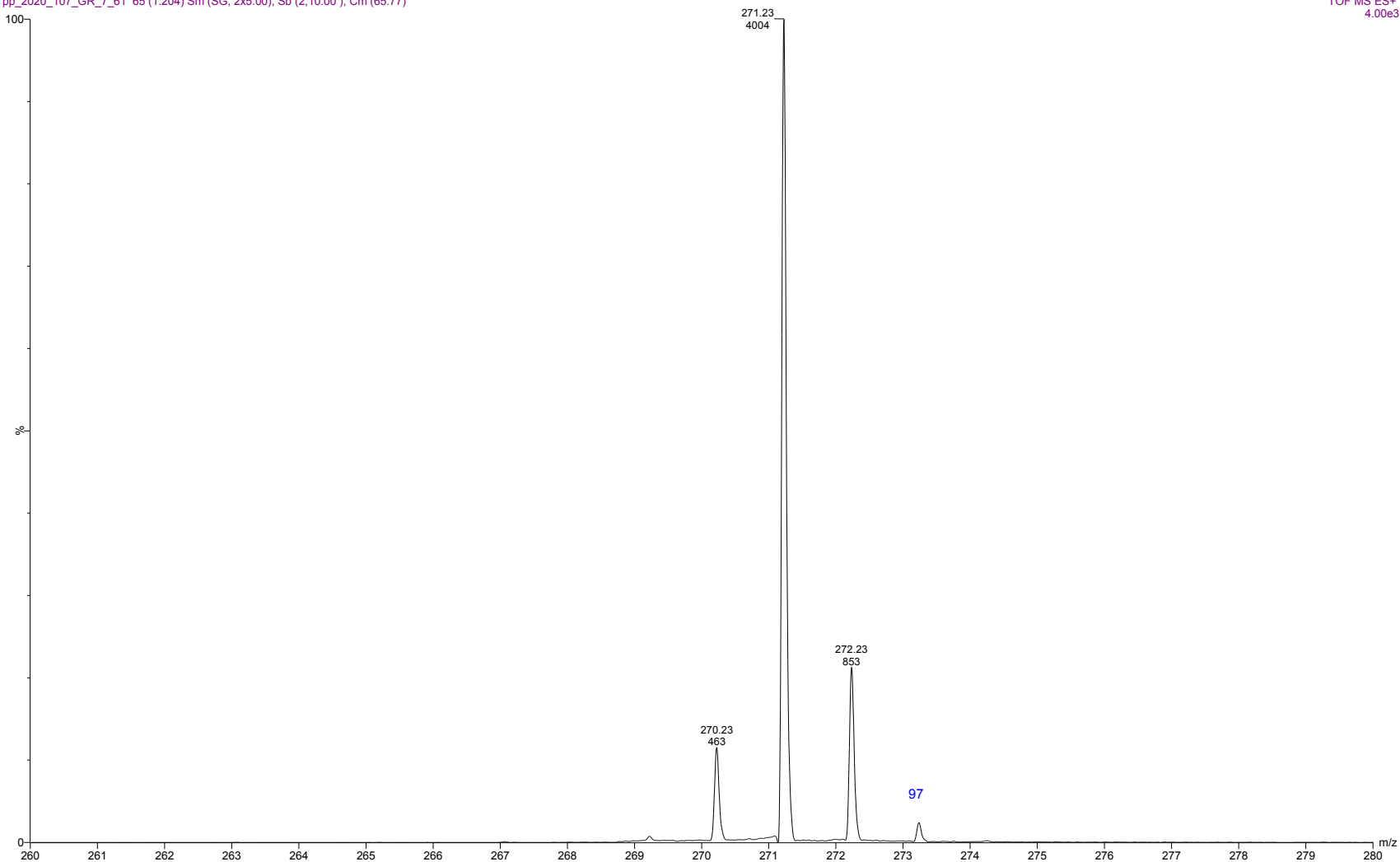


Raw ESI-MS spectrum for sample GR-7-061. Shows monoisotopic $[M+H]^+$ mass.

pp_2020_107_GR_7_61 65 (1.204) Sm (SG, 2x5.00); Sb (2,10.00); Cm (65.77)

7.00000000

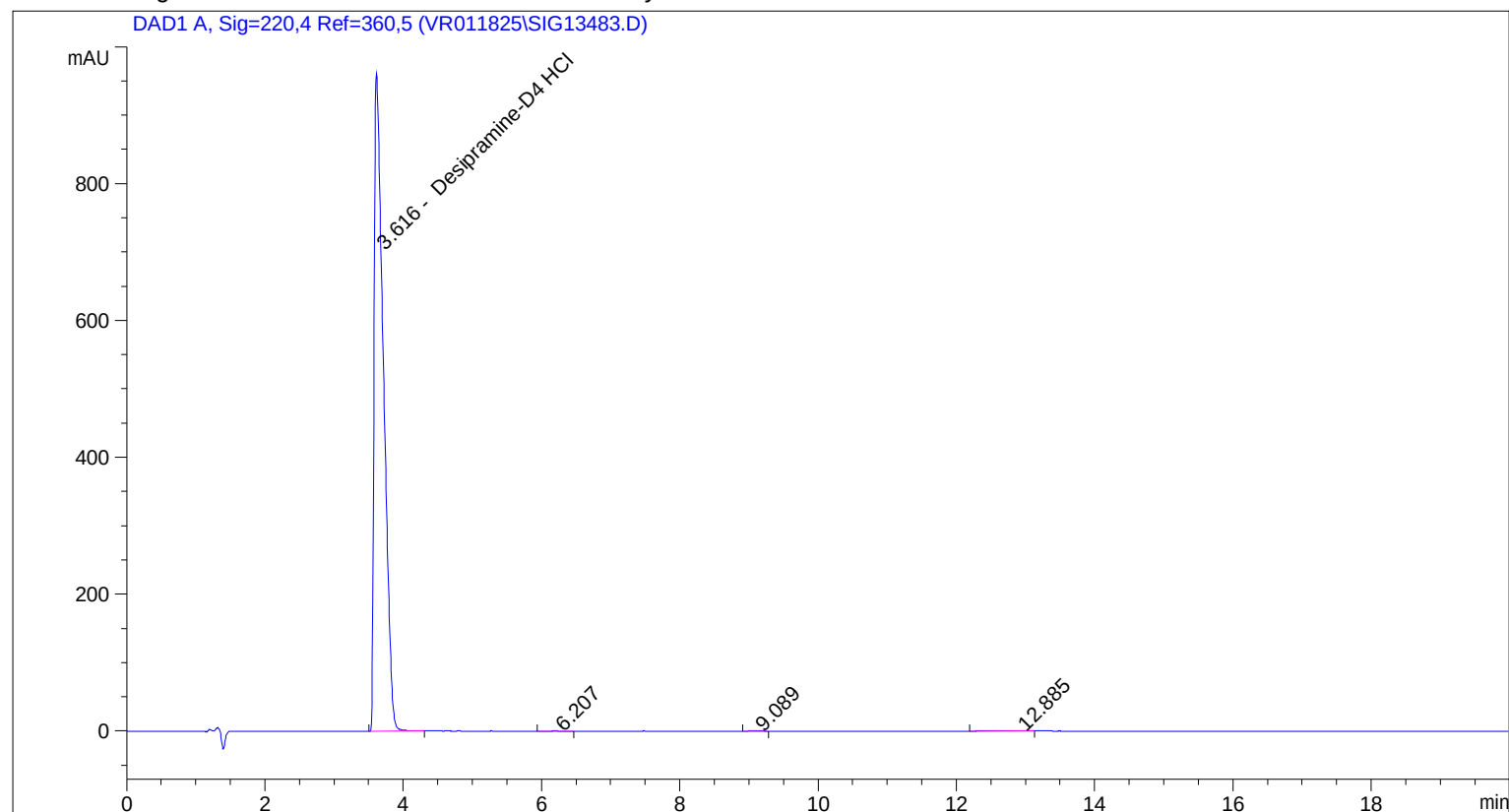
TOF MS ES+
4.00e3



Expansion of the above.

Sample Name: GR-7-061 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 55
Injection Date  : 5/30/2025 3:24:28 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR053025_061.M
Last changed    : 5/30/2025 3:22:58 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR053025_061PM.M
Last changed    : 5/30/2025 3:43:30 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/30/2025 3:33:47 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	3.616	BB	0.1417	9042.40918	99.5908	Desipramine-D4 HCl
2	6.207	BB	0.2069	6.54593	0.0721	?
3	9.089	BV	0.1549	9.51255	0.1048	?
4	12.885	BB	0.3978	21.09361	0.2323	?

Totals : 9079.56127

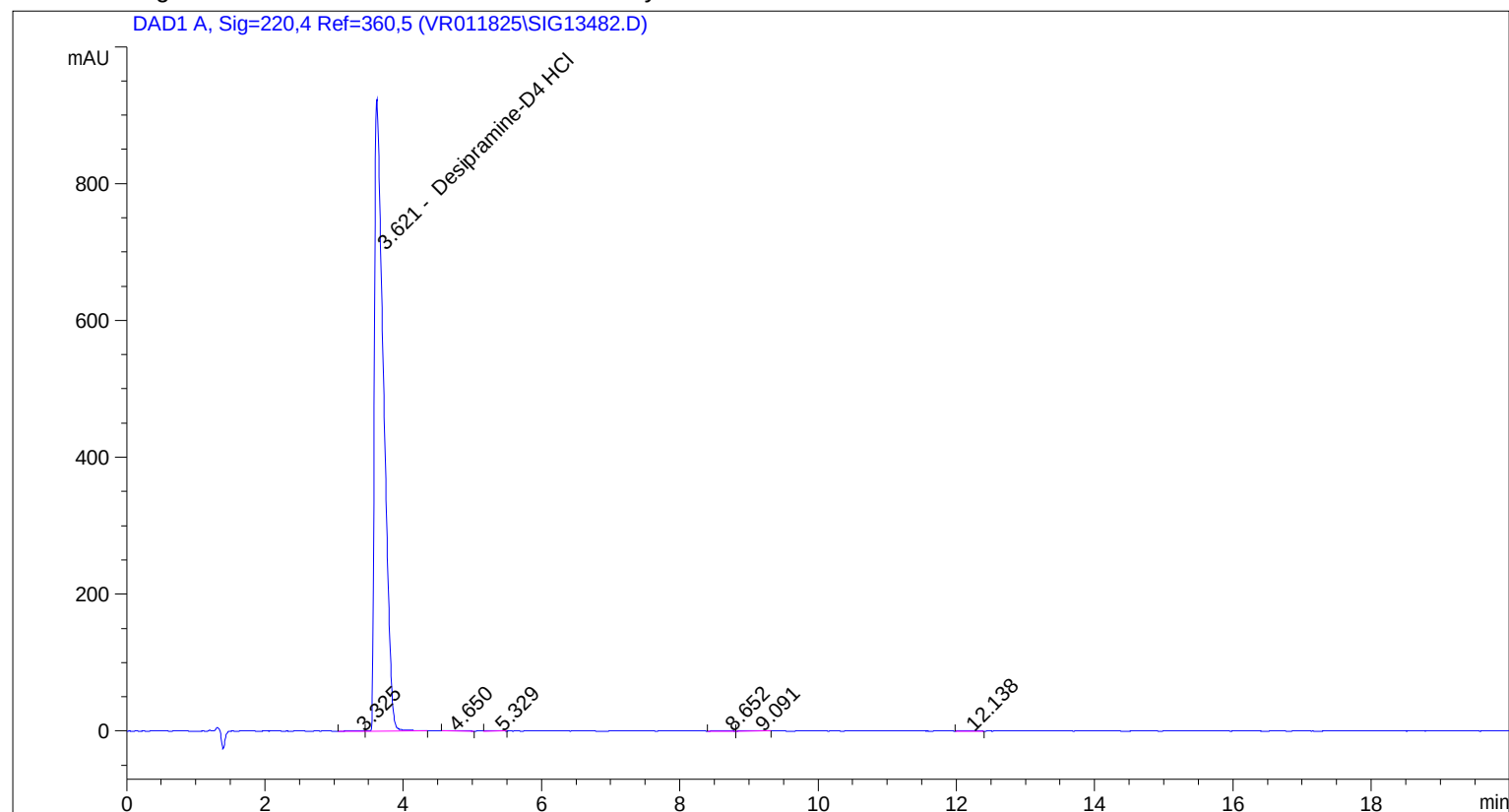
Sample Name: GR-7-061 spl-2

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*** End of Report ***

Sample Name: GR-7-061

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 54
Injection Date  : 5/30/2025 3:02:20 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR053025_061.M
Last changed    : 5/30/2025 3:01:18 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR053025_061PM.M
Last changed    : 5/30/2025 3:43:30 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/30/2025 3:33:47 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	3.325	BV	0.1654	5.38063	0.0632	?
2	3.621	VV	0.1371	8480.70801	99.6309	Desipramine-D4 HCl
3	4.650	BB	0.2016	4.63142	0.0544	?
4	5.329	VB	0.1570	4.40885	0.0518	?
5	8.652	BB	0.1762	4.11140	0.0483	?
6	9.091	BB	0.1426	8.38251	0.0985	?
7	12.138	VB	0.1890	4.50111	0.0529	?

Sample Name: GR-7-061

Totals : 8512.12393

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*** End of Report ***