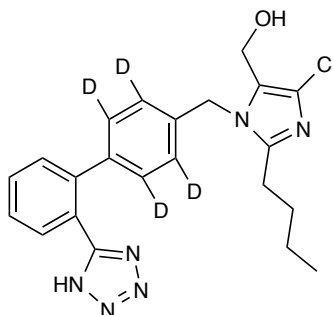




Name:	Losartan-D4
Lot#:	GR-12-267
Test Date:	02/15/2024 (re-test date: 02/15/2029)
CAS No.:	1030937-27-9
MF:	C ₂₂ H ₁₉ D ₄ ClN ₆ O
MW:	426.94
Appearance:	Off-White Solid
Purity:	100% by HPLC (average of two sample preparations); >98% atom D
¹H-NMR:	Conforms (contains ~1.8% ACN)
MS-ESI (+)	Conforms (shows peaks at m/z = 427.18, 429.17 [M+H] ⁺ ; exhibits the expected isotope pattern for mono-chloro compounds)
Storage	Store at -18°C in a dry place away from direct sunlight

Approved by:

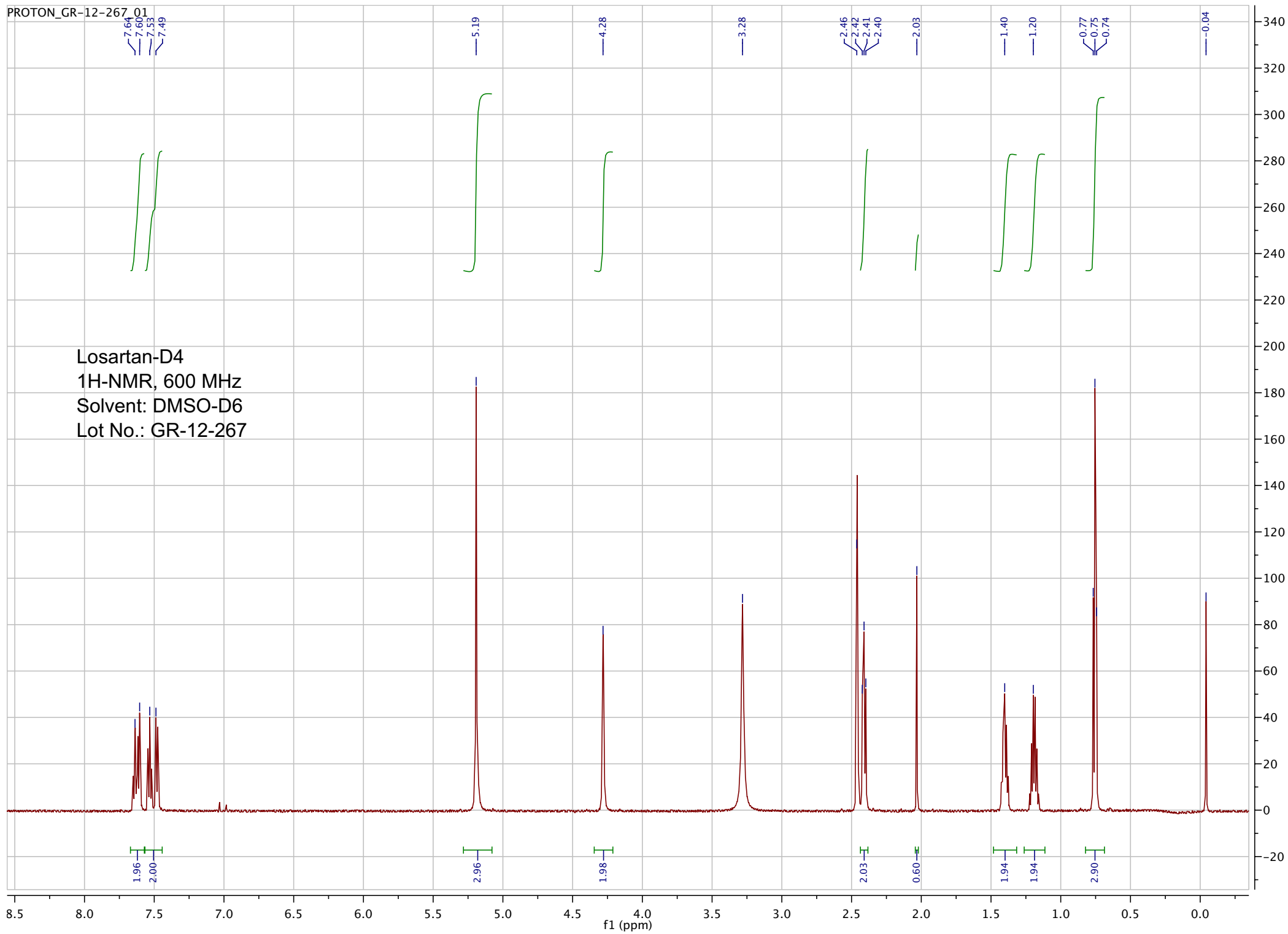
Date: 02/16/2024



Viorica Rusu, QC/QA Manager

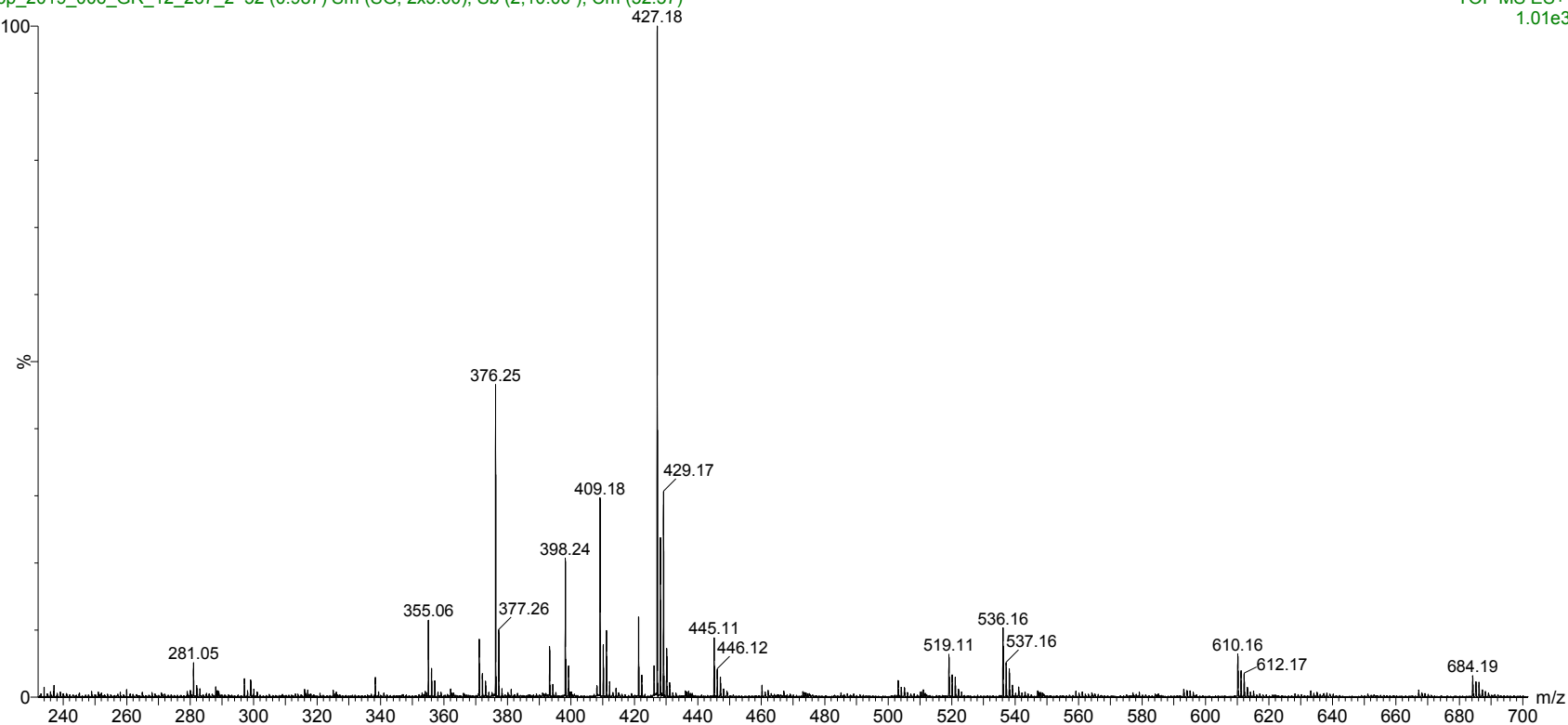
PROTON_GR-12-267 01

Losartan-D4
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-12-267



pp_2019_006_GR_12_267_2 52 (0.987) Sm (SG, 2x5.00); Sb (2,10.00); Cm (52:57)

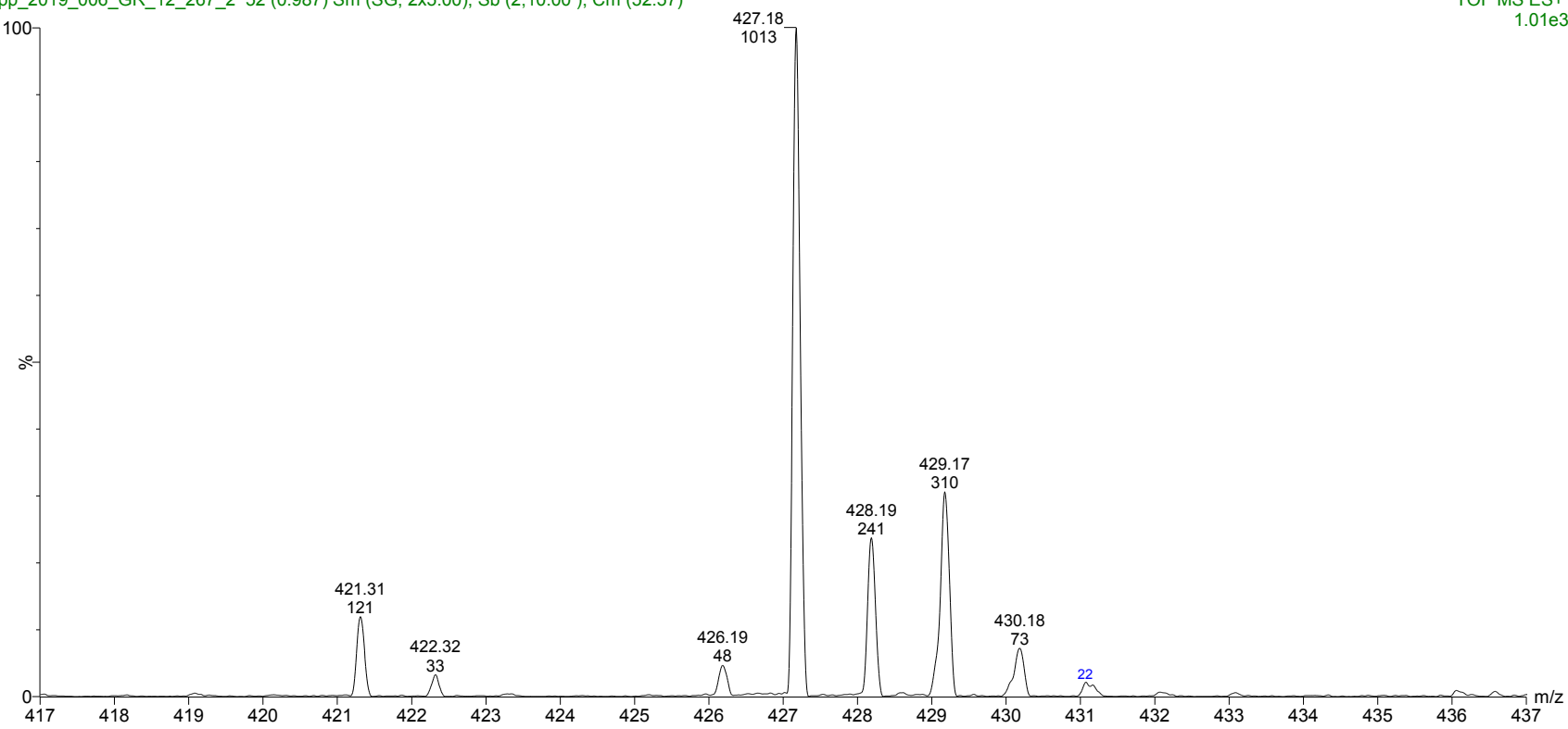
TOF MS ES+
1.01e3



ESI-MS spectrum for sample GR-12-267. Shows monoisotopic $[M+H]^+$ mass.

pp_2019_006_GR_12_267_2 52 (0.987) Sm (SG, 2x5.00); Sb (2,10.00); Cm (52:57)

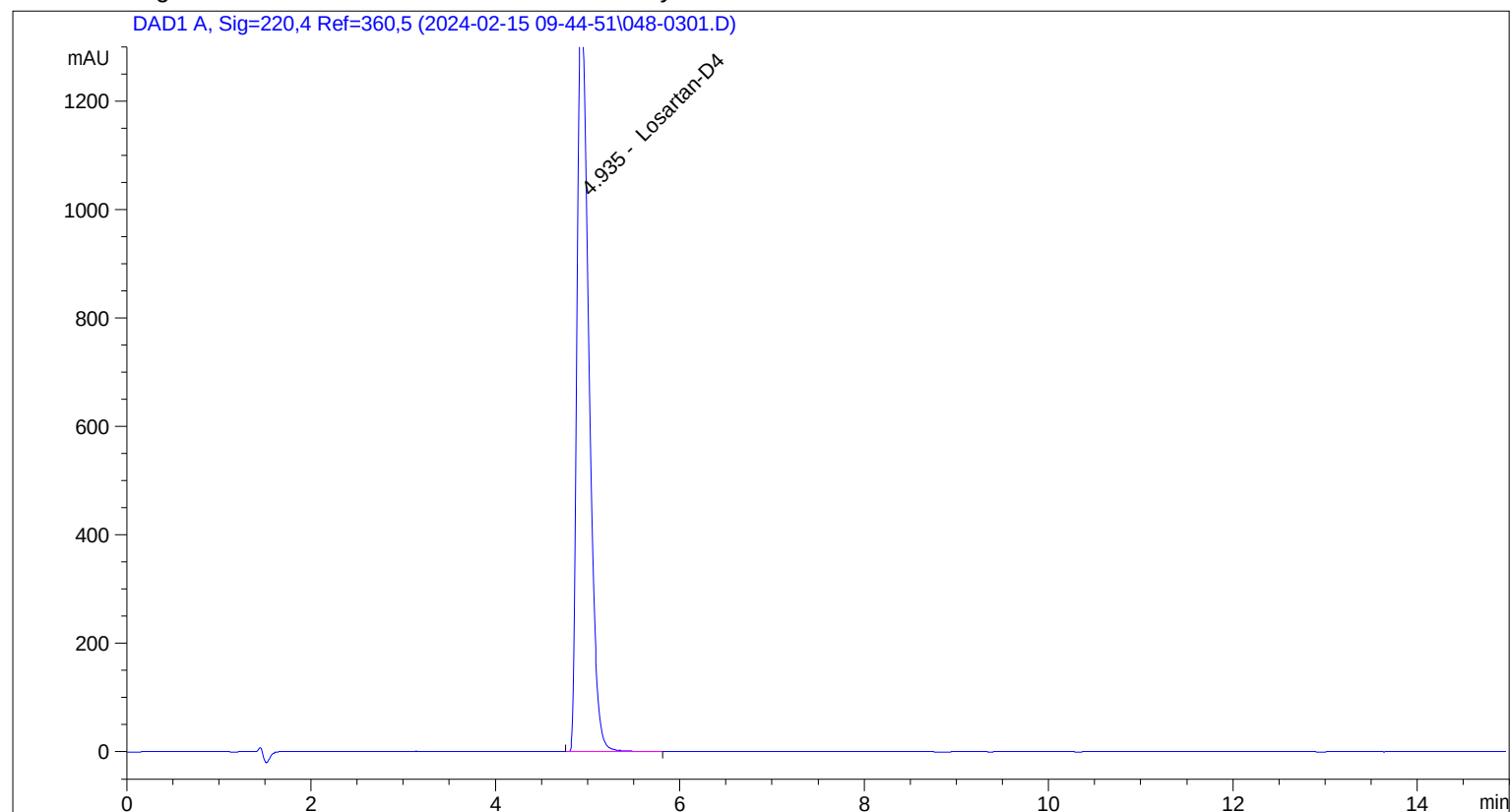
TOF MS ES+
1.01e3



Expansion of above showing intensity labels.

Sample Name: GR-12-267 spl-2

```
=====
Acq. Operator   : vrusu                      Seq. Line :    3
Acq. Instrument : Instrument 1                Location  : Vial 48
Injection Date  : 2/15/2024 10:18:32 AM      Inj       :    1
                                           Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-02-15 09-44-51\VR021524_267.M
Last changed    : 2/15/2024 9:44:23 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021524_267PM.M
Last changed    : 2/15/2024 12:48:08 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      2/15/2024 12:46:38 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

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

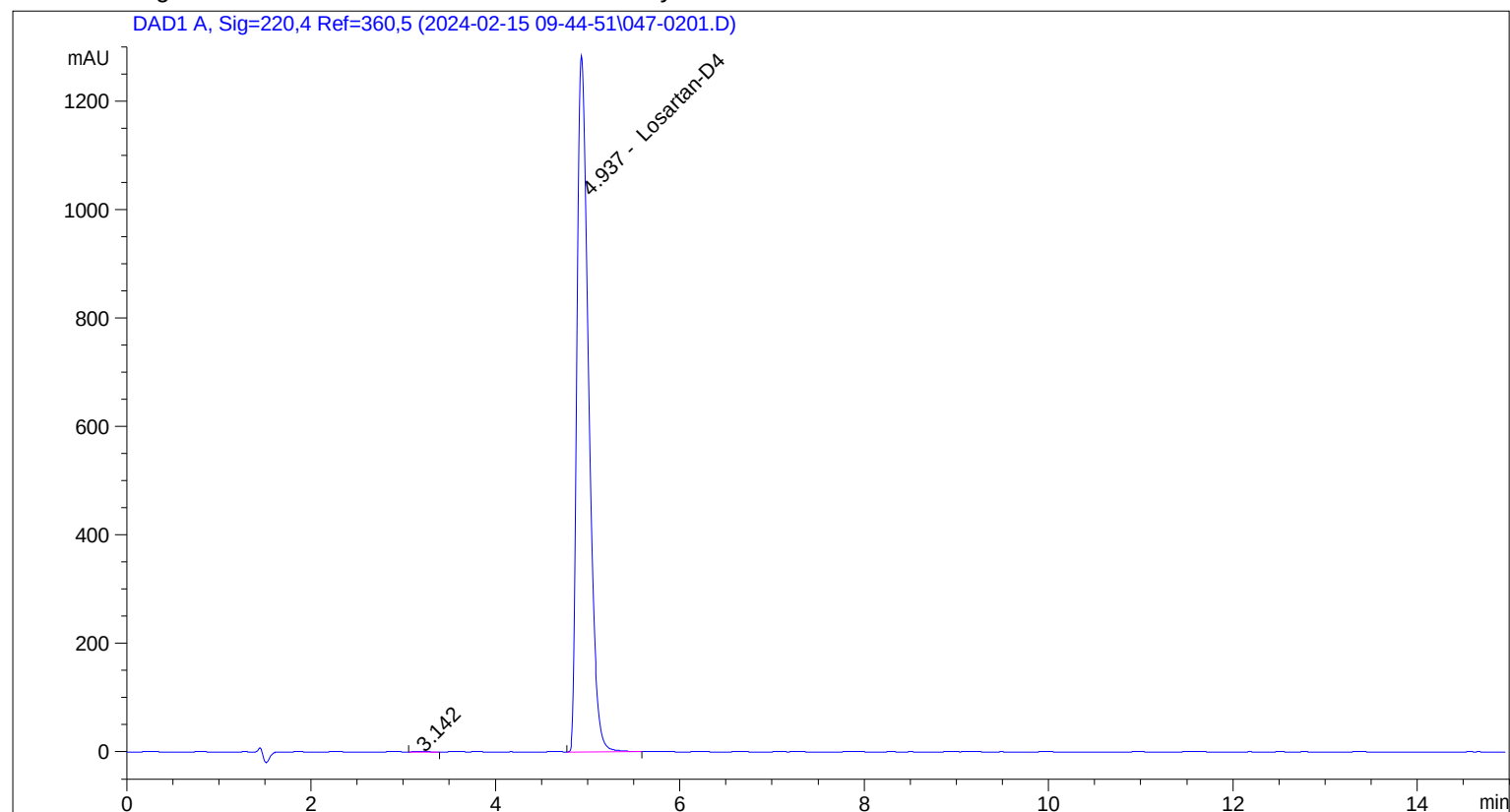
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.935	BB	0.1366	1.21275e4	100.0000	Losartan-D4

Totals : 1.21275e4

```
=====
*** End of Report ***
```

Sample Name: GR-12-267

```
=====
Acq. Operator   : vrusu                      Seq. Line :    2
Acq. Instrument : Instrument 1                Location  : Vial 47
Injection Date  : 2/15/2024 10:02:16 AM      Inj       :    1
                                           Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-02-15 09-44-51\VR021524_267.M
Last changed    : 2/15/2024 9:44:23 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021524_267PM.M
Last changed    : 2/15/2024 12:48:08 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      2/15/2024 12:46:38 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	3.142	BB	0.1034	7.39607	0.0663	?
2	4.937	BB	0.1354	1.11562e4	99.9337	Losartan-D4

Totals : 1.11636e4

```
=====
*** End of Report ***
```