

Name: 20β-Dihydrodydrogesterone-D7 (major)

Lot#: GR-13-019

Test Date: 02/29/2024 (re-test date: 02/29/2029)

CAS No.: 4243-73-6 (unlabeled)

MF: C₂₁H₂₃D₇O₂

MW: 321.51

Appearance: Beige Solid

Purity: 98.9% by HPLC; >98% atom D

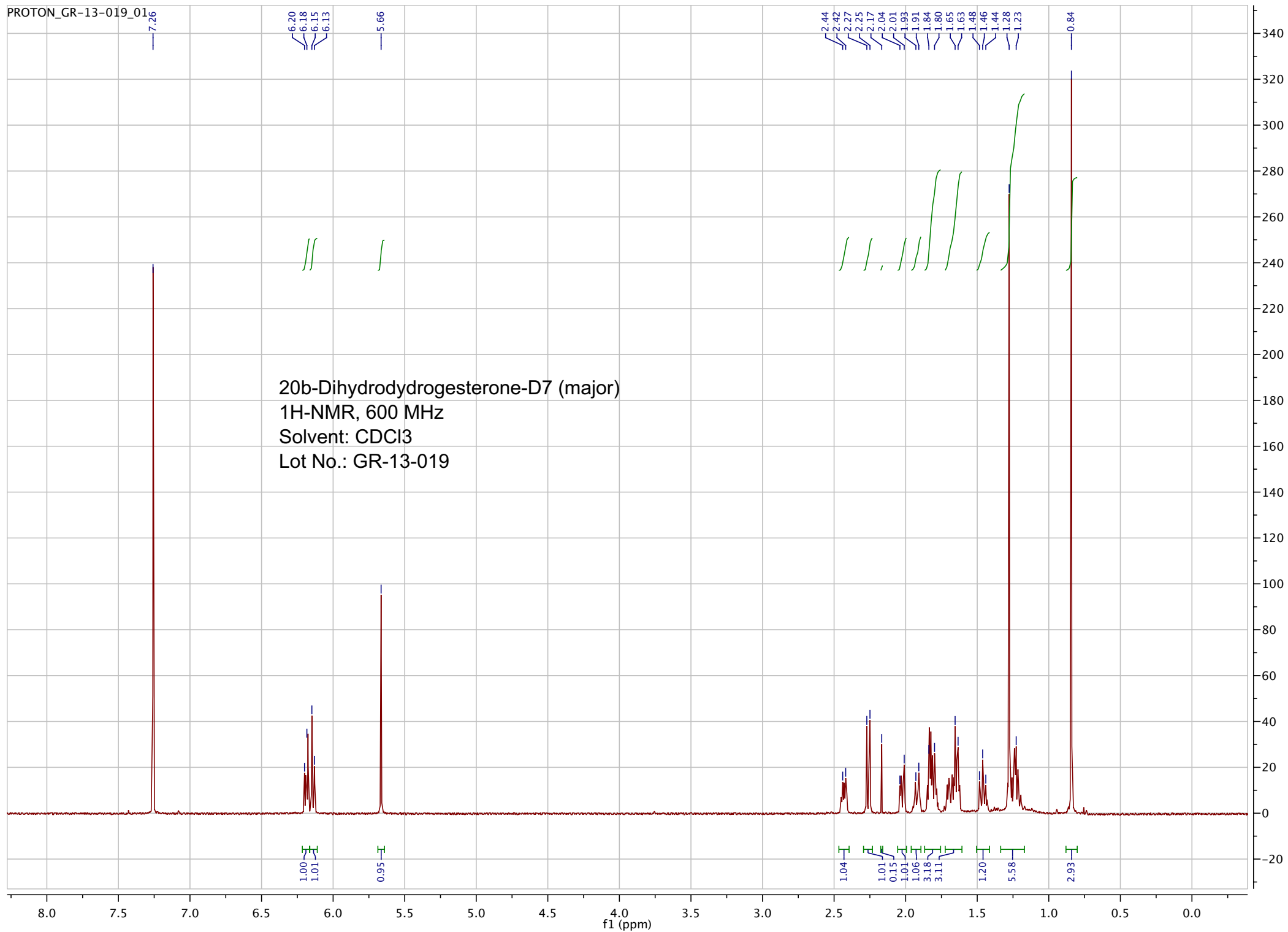
¹H-NMR: Conforms (contains a trace of ACN)

MS-ESI (+) Conforms (shows peaks at m/z = 322.28 [M+H]⁺)

Approved by:

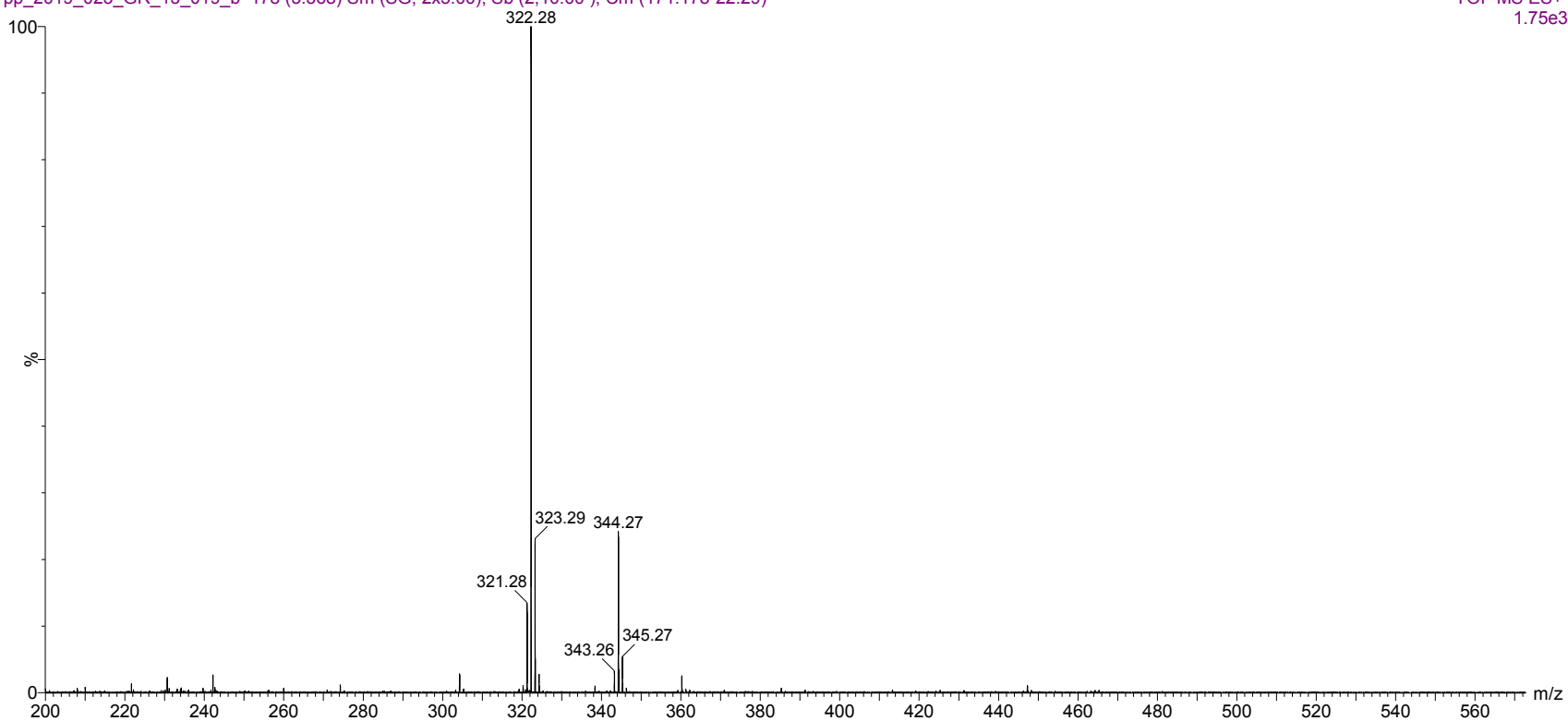
Date: 02/29/2024

Viorica Rusu, QC/QA Manager



pp_2019_023_GR_13_019_b 178 (3.368) Sm (SG, 2x5.00); Sb (2,10.00); Cm (171:178-22:29)

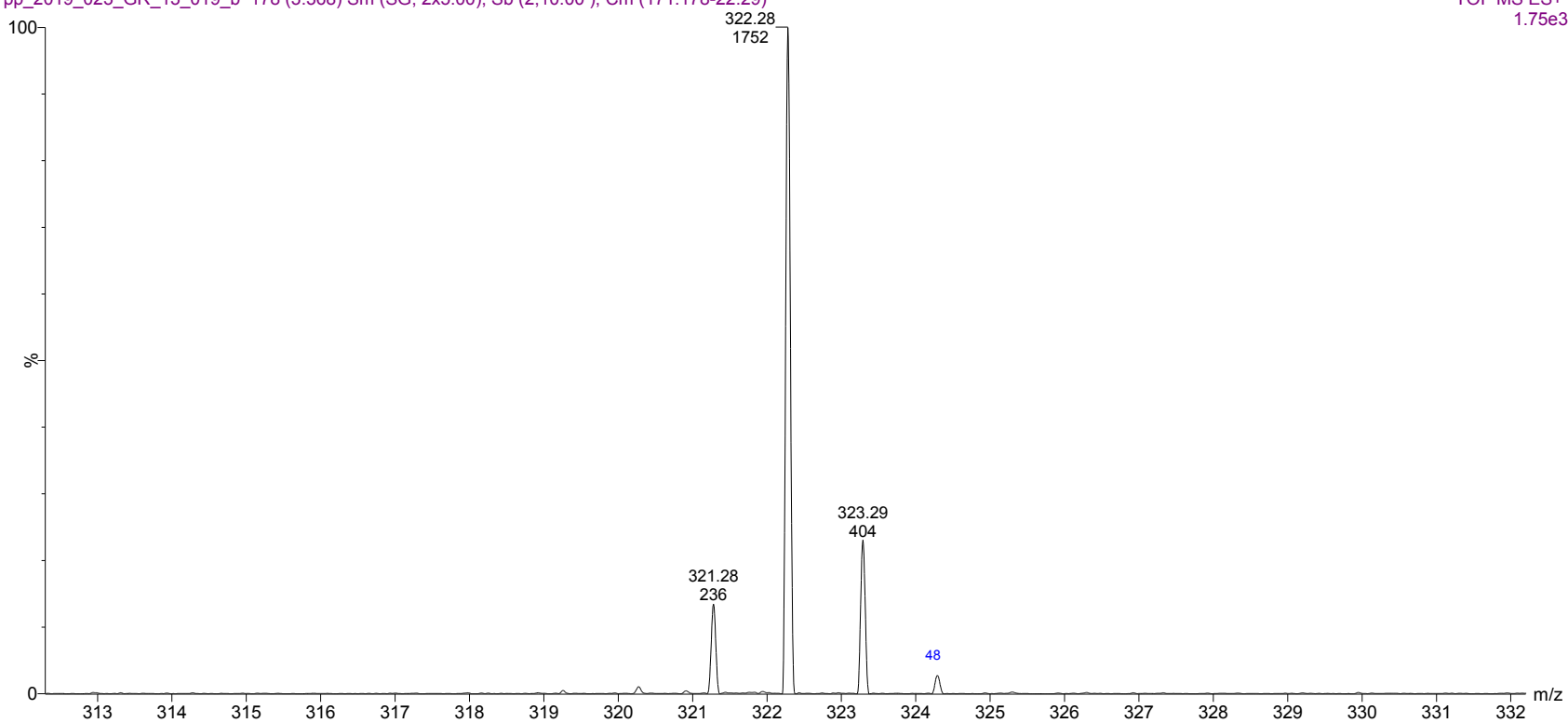
TOF MS ES+
1.75e3



ESI-MS spectrum for sample GR-13-019. Shows monoisotopic $[M+H]^+$ mass.

pp_2019_023_GR_13_019_b 178 (3.368) Sm (SG, 2x5.00); Sb (2,10.00); Cm (171:178-22:29)

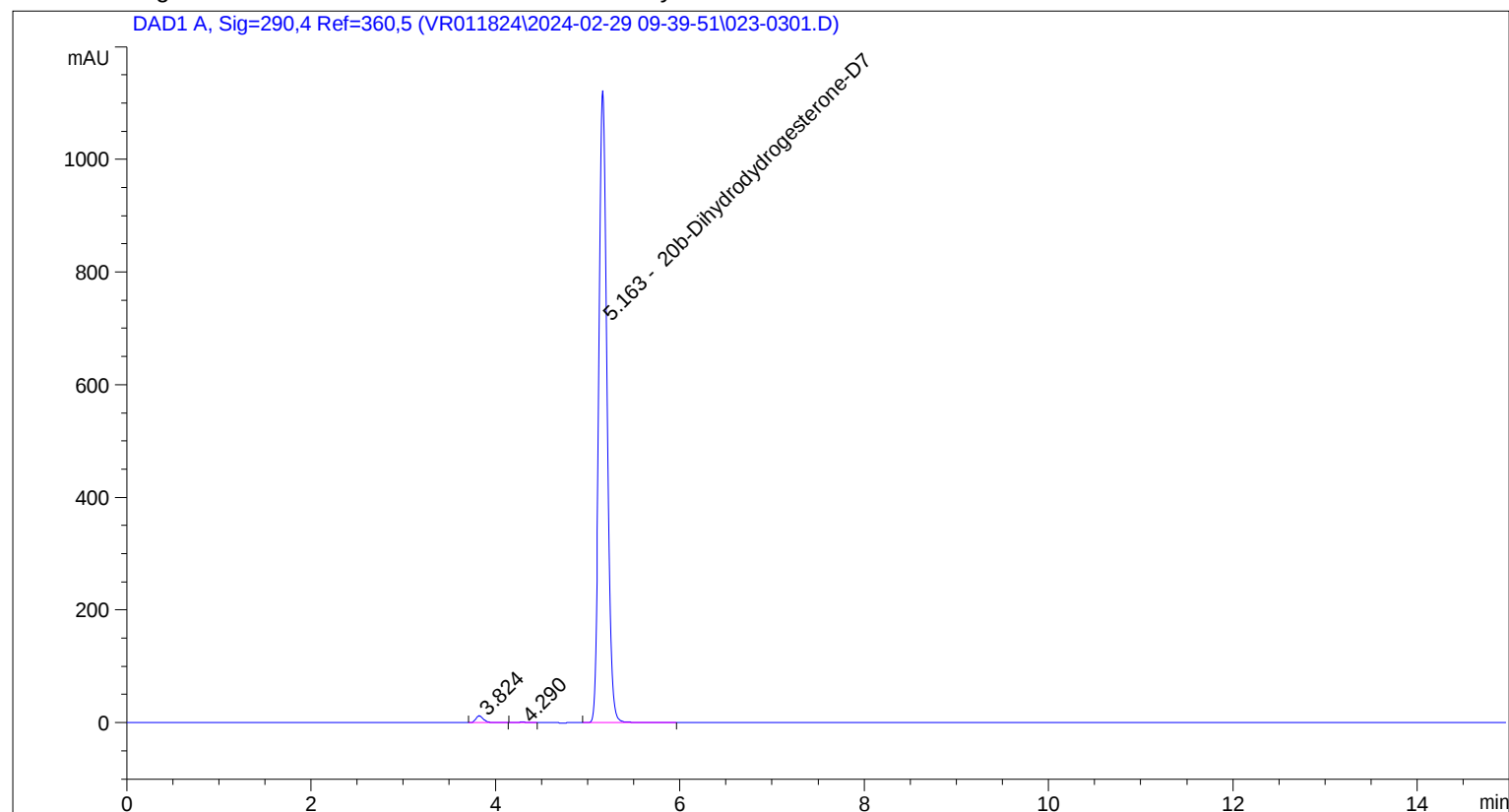
TOF MS ES+
1.75e3



Expansion of above.

Sample Name: GR-13-019 spl-2

```
=====
Acq. Operator   : vrusu                      Seq. Line :    3
Acq. Instrument : Instrument 1                Location  : Vial 23
Injection Date  : 2/29/2024 10:13:31 AM      Inj       :    1
                                           Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\VR011824\2024-02-29 09-39-51\VR022924_019.M
Last changed    : 2/29/2024 9:39:28 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR022924_019PM.M
Last changed    : 2/29/2024 10:33:35 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      2/29/2024 10:30:55 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

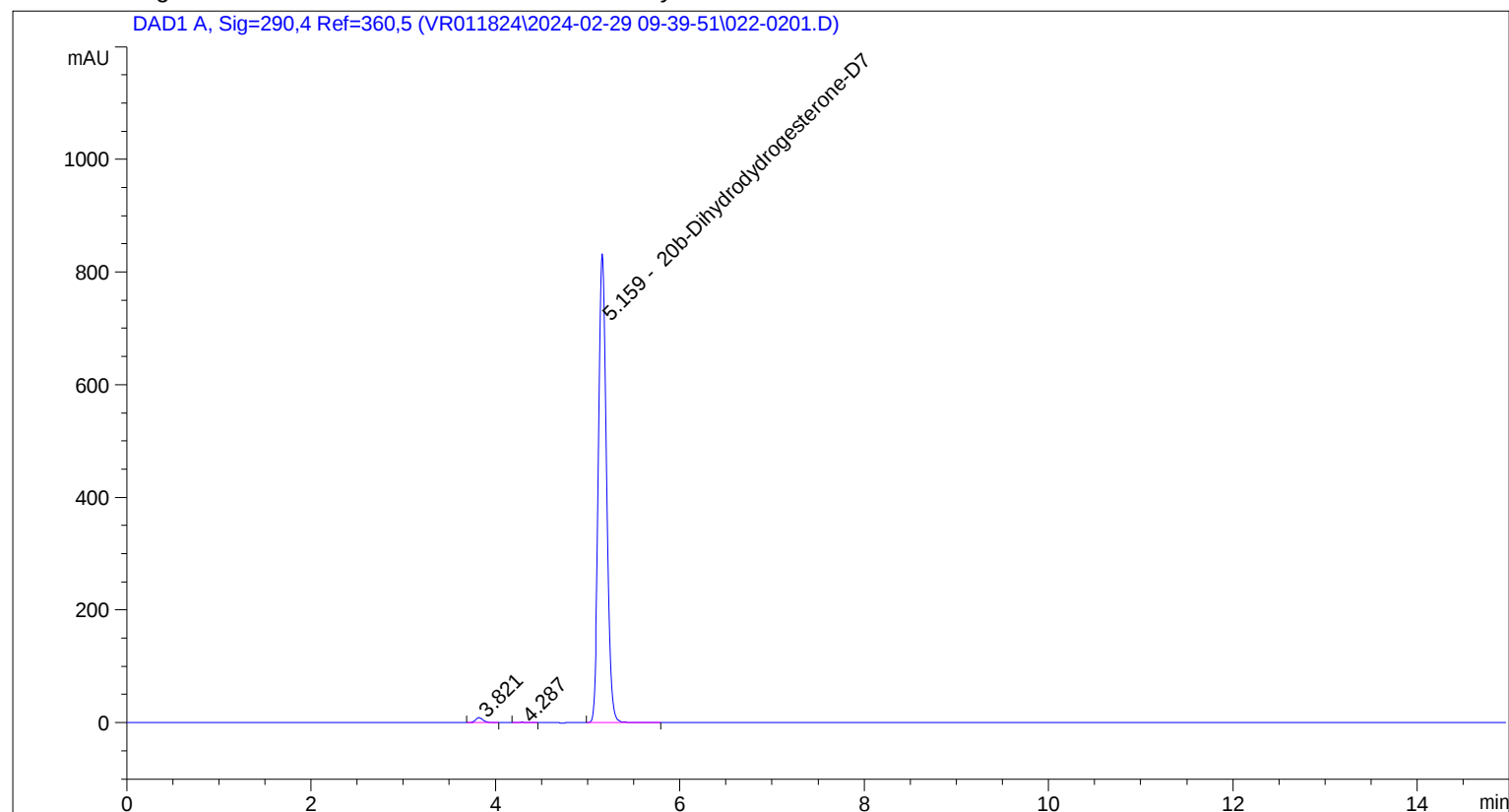
Signal 1: DAD1 A, Sig=290,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.824	BB	0.0877	67.89732	0.9814	?
2	4.290	BB	0.0897	6.20900	0.0897	?
3	5.163	BB	0.0951	6844.21143	98.9288	20b-Dihydrodydrogesterone-D7

Totals : 6918.31774

Sample Name: GR-13-019

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=====
Acq. Operator   : vrusu                      Seq. Line :    2
Acq. Instrument : Instrument 1                Location  : Vial 22
Injection Date  : 2/29/2024 9:57:14 AM        Inj       :    1
                                           Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\VR011824\2024-02-29 09-39-51\VR022924_019.M
Last changed    : 2/29/2024 9:39:28 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR022924_019PM.M
Last changed    : 2/29/2024 10:33:35 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      2/29/2024 10:30:55 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=290,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.821	BB	0.0855	49.83549	0.9755	?
2	4.287	BB	0.0905	4.45493	0.0872	?
3	5.159	BB	0.0929	5054.55957	98.9373	20b-Dihydrodydrogesterone-D7

Totals : 5108.84999