

Name: 6,7-Dehydro Gestodene
Lot#: GR-16-051
Test Date: 06/11/2021 (re-test date: 06/11/2026)
CAS No.: NA
MF: C₂₁H₂₄O₂
MW: 308.41
Appearance: Yellow solid
Purity: 98.4% by HPLC (average of two sample preparations)
¹H-NMR: Conforms (contains a trace of EtOAc)
MS-ESI (+) Conforms (shows peaks at m/z = 309.21 [M+H]⁺)
Storage Store at 0-8°C in a dry place away from direct sunlight

Approved by:

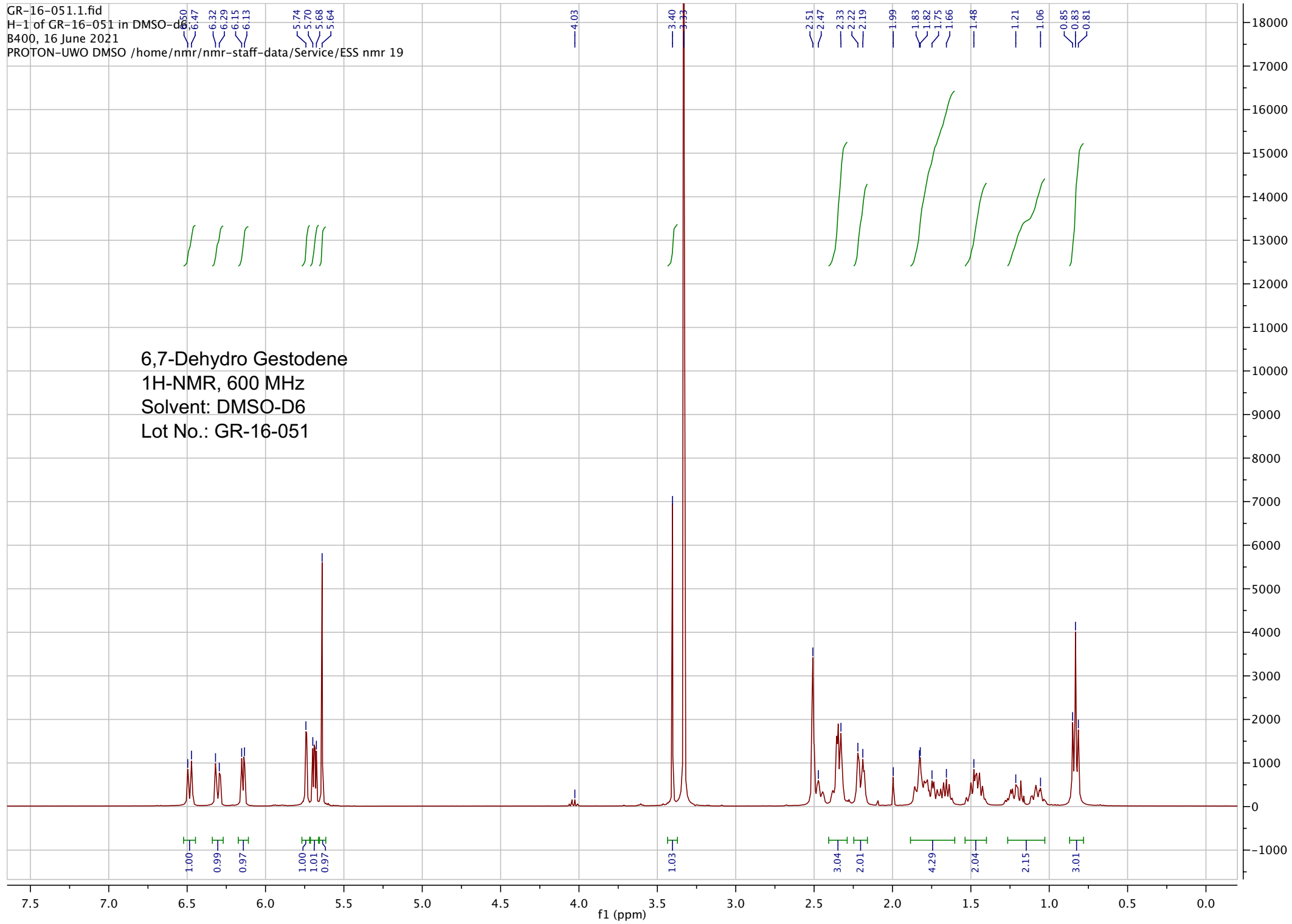
Date: 06/22/2021



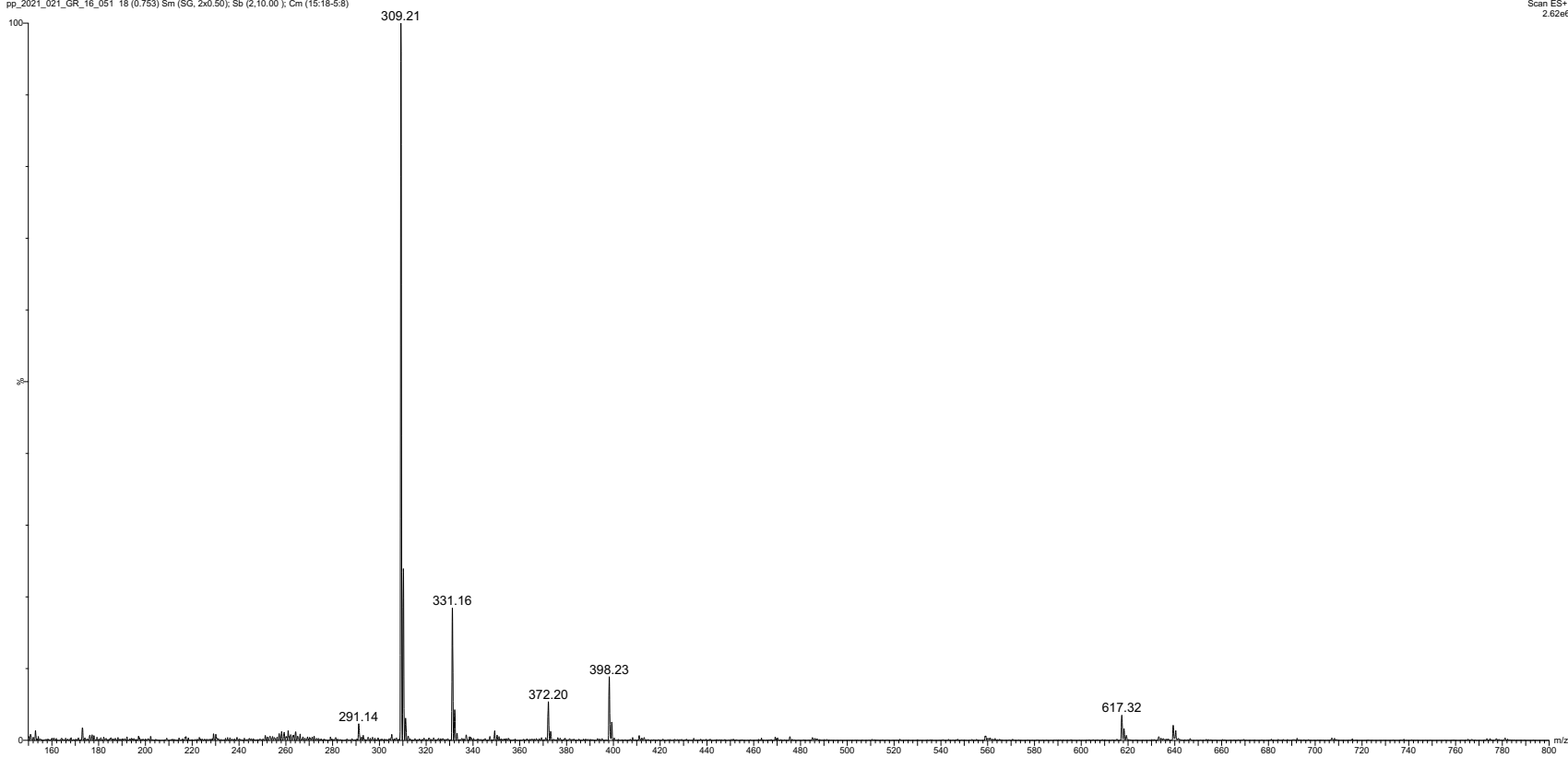
Viorica Rusu, QC/QA Manager

GR-16-051.1.fid
H-1 of GR-16-051 in DMSO-d6
B400, 16 June 2021
PROTON-UWO DMSO /home/nmr/nmr-staff-data/Service/ESS nmr 19

6,7-Dehydro Gestodene
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-16-051



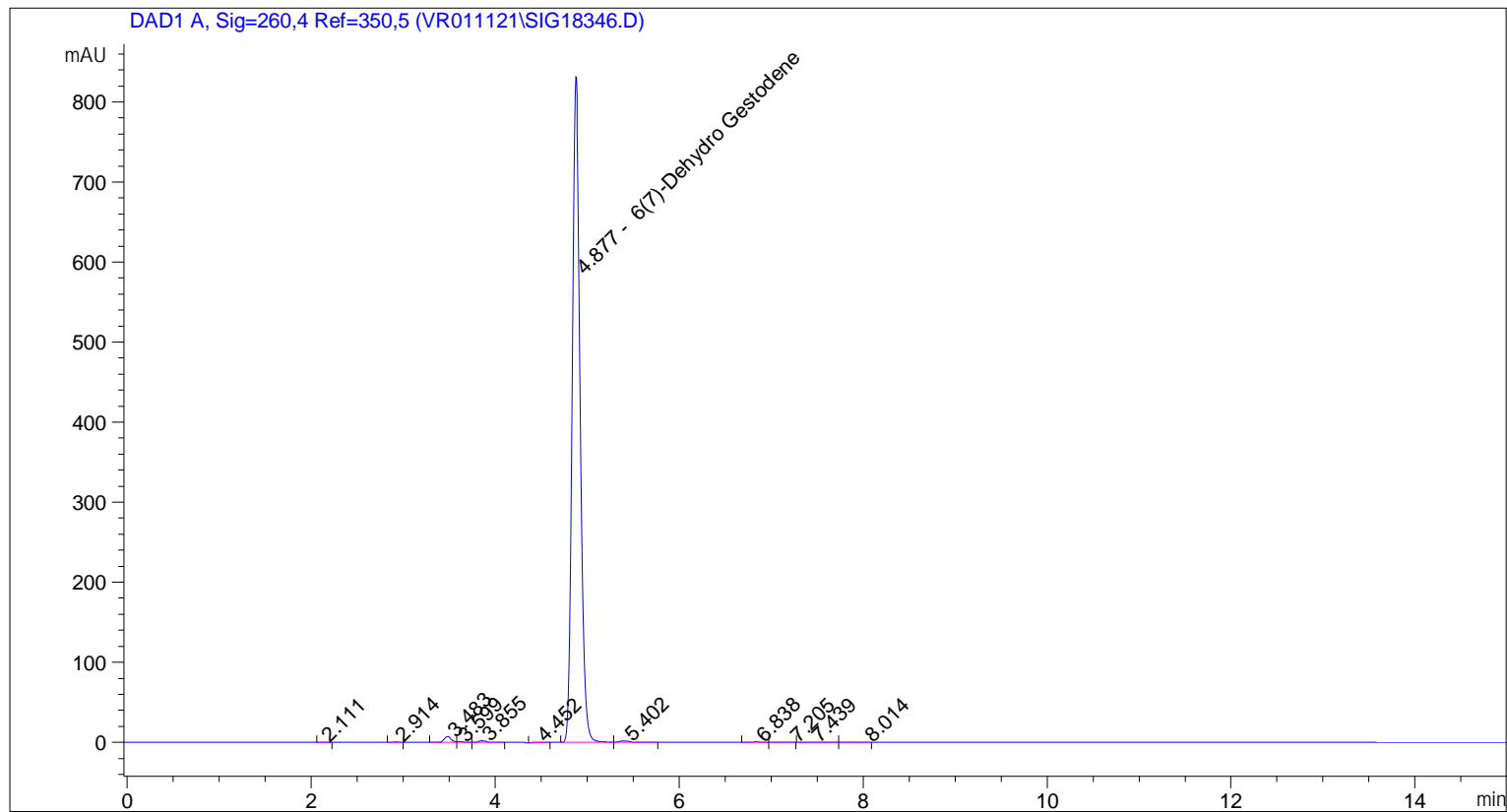
pp_2021_021_GR_16_051_18 (0.753) Sm (SG, 2x0.50); Sb (2,10.00); Cm (15:18-5.8)



ESI-MS spectrum for sample GR-16-051. Shows monoisotopic $[M+H]^+$ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 2
Injection Date  : 6/11/2021 10:53:03 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR061121_051.M
Last changed   : 6/11/2021 10:52:02 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR061021_051PM.M
Last changed   : 6/11/2021 1:33:12 PM by vrusu
  
```



Area Percent Report

```

Sorted By      : Signal
Calib. Data Modified : 6/11/2021 1:32:56 PM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=260,4 Ref=350,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.111	BV	0.0673	1.48766	0.0288	?
2	2.914	BB	0.0655	2.18665	0.0423	?
3	3.483	BV	0.0792	37.67196	0.7285	?
4	3.599	VV	0.0644	4.50586	0.0871	?
5	3.855	VB	0.0807	11.33105	0.2191	?
6	4.452	BB	0.1096	2.62566	0.0508	?
7	4.877	BV	0.0951	5085.11084	98.3368	6(7)-Dehydro Gestodene
8	5.402	VB	0.1111	14.88157	0.2878	?

Sample Name: GR-16-051

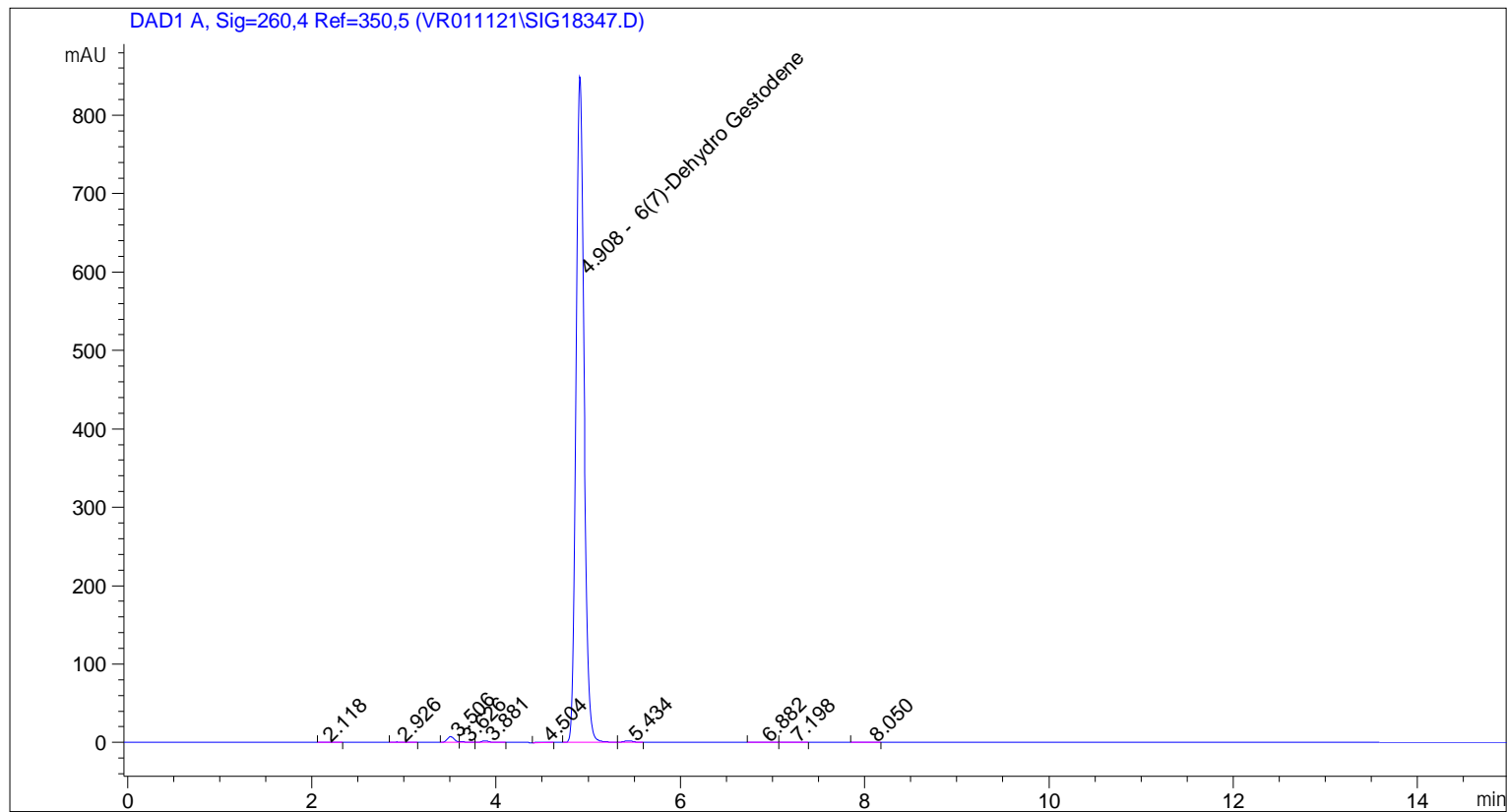
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	6.838	BB	0.1059	4.02803	0.0779	?
10	7.205	BB	0.1380	1.21479	0.0235	?
11	7.439	BB	0.1305	4.15550	0.0804	?
12	8.014	BV	0.1345	1.91714	0.0371	?

Totals : 5171.11671

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 3
Injection Date  : 6/11/2021 12:51:18 PM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR061121_051.M
Last changed   : 6/11/2021 12:50:18 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR061021_051PM.M
Last changed   : 6/11/2021 1:33:12 PM by vrusu
  
```



Area Percent Report

```

Sorted By      : Signal
Calib. Data Modified : 6/11/2021 1:32:56 PM
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=260,4 Ref=350,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.118	BB	0.0807	1.12467	0.0213	?
2	2.926	BB	0.0872	3.26881	0.0620	?
3	3.506	BV	0.0765	37.42701	0.7100	?
4	3.626	VV	0.0636	4.25538	0.0807	?
5	3.881	VB	0.0824	11.44376	0.2171	?
6	4.504	BB	0.1033	3.13426	0.0595	?
7	4.908	BV	0.0952	5190.67871	98.4741	6(7)-Dehydro Gestodene
8	5.434	VB	0.1025	13.22099	0.2508	?

Sample Name: GR-16-051 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	6.882	BV	0.1235	4.15901	0.0789	?
10	7.198	VB	0.1121	1.28046	0.0243	?
11	8.050	BB	0.1146	1.11732	0.0212	?

Totals : 5271.11038

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*** End of Report ***