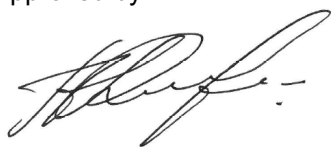


Name: 9,11-Dehydro Desonide-21-Acetate
Lot#: GR-17-103
Test Date: 03/28/2022 (re-test date: 03/28/2027)
CAS No.: 25092-28-8
MF: C₂₆H₃₂O₆
MW: 440.53
Appearance: White Solid
Purity: 98.0% by HPLC (average of two sample preparations)
¹H-NMR: Conforms
MS-ESI (+) Conforms (shows peaks at m/z = 441.2 [M+H]⁺, 463.2 [M+Na]⁺)
Storage Store at 0-8°C in a dry place away from direct sunlight

Approved by:

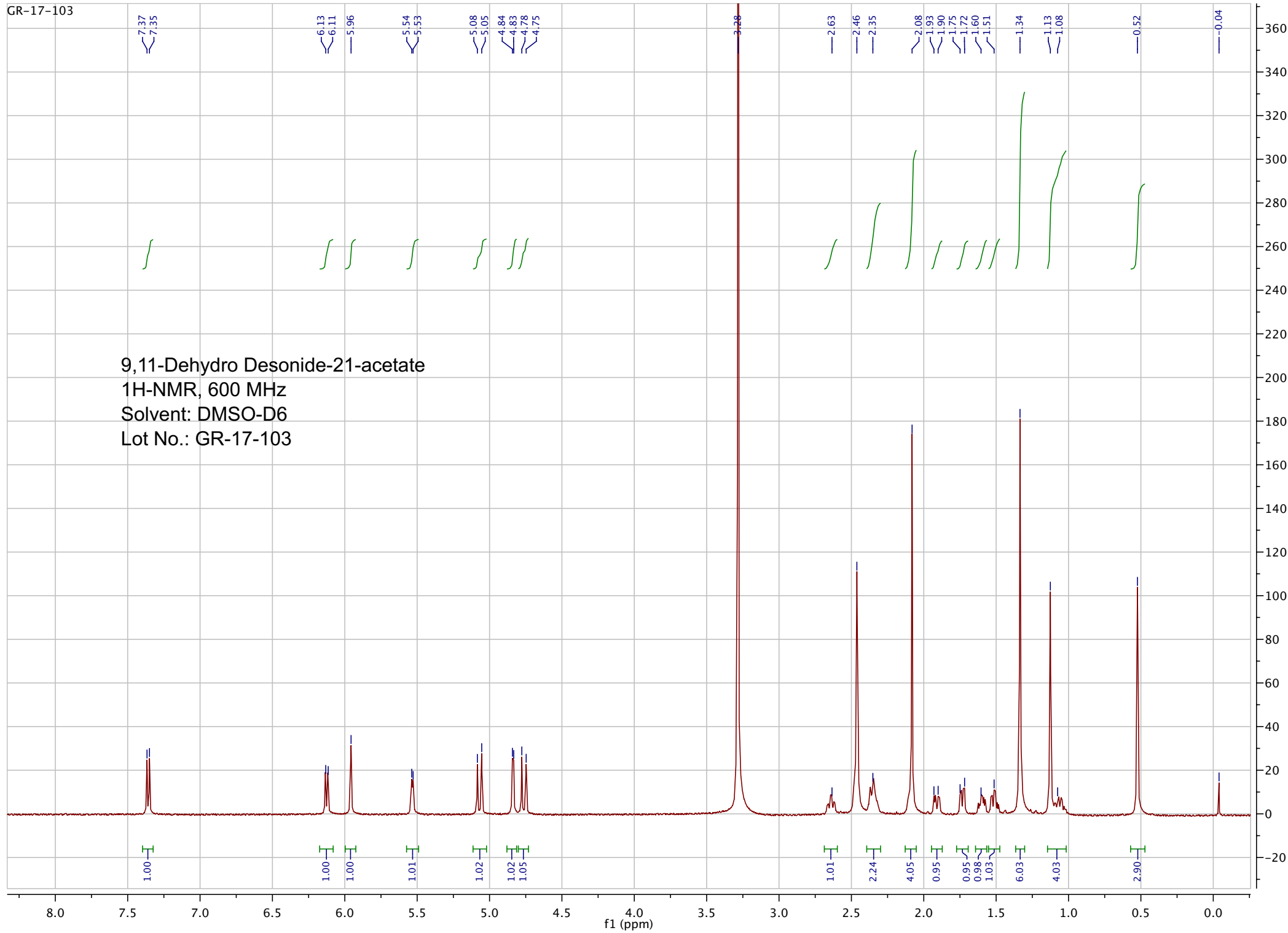
Date: 04/05/2022



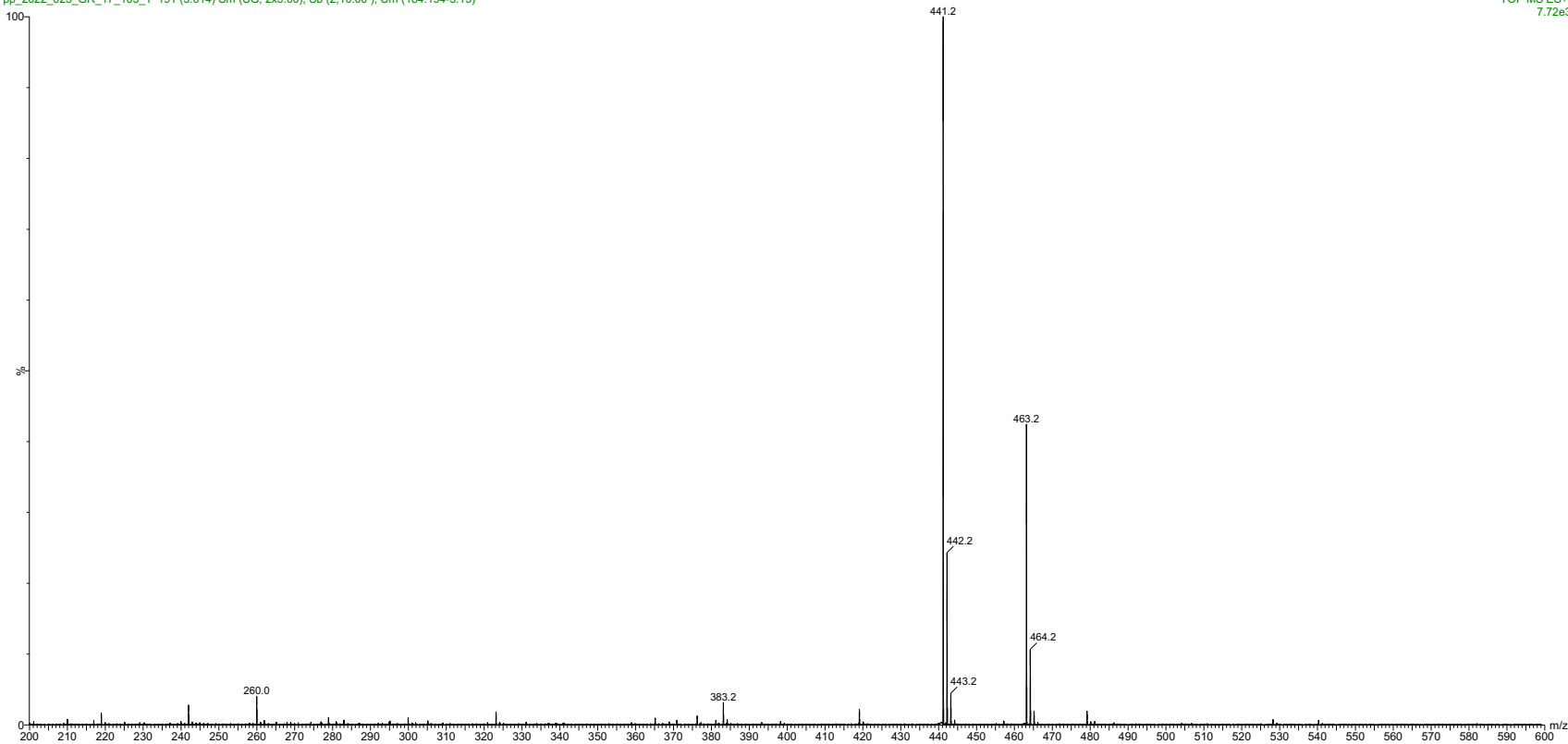
Viorica Rusu, QC/QA Manager

GR-17-103

9,11-Dehydro Desonide-21-acetate
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-17-103



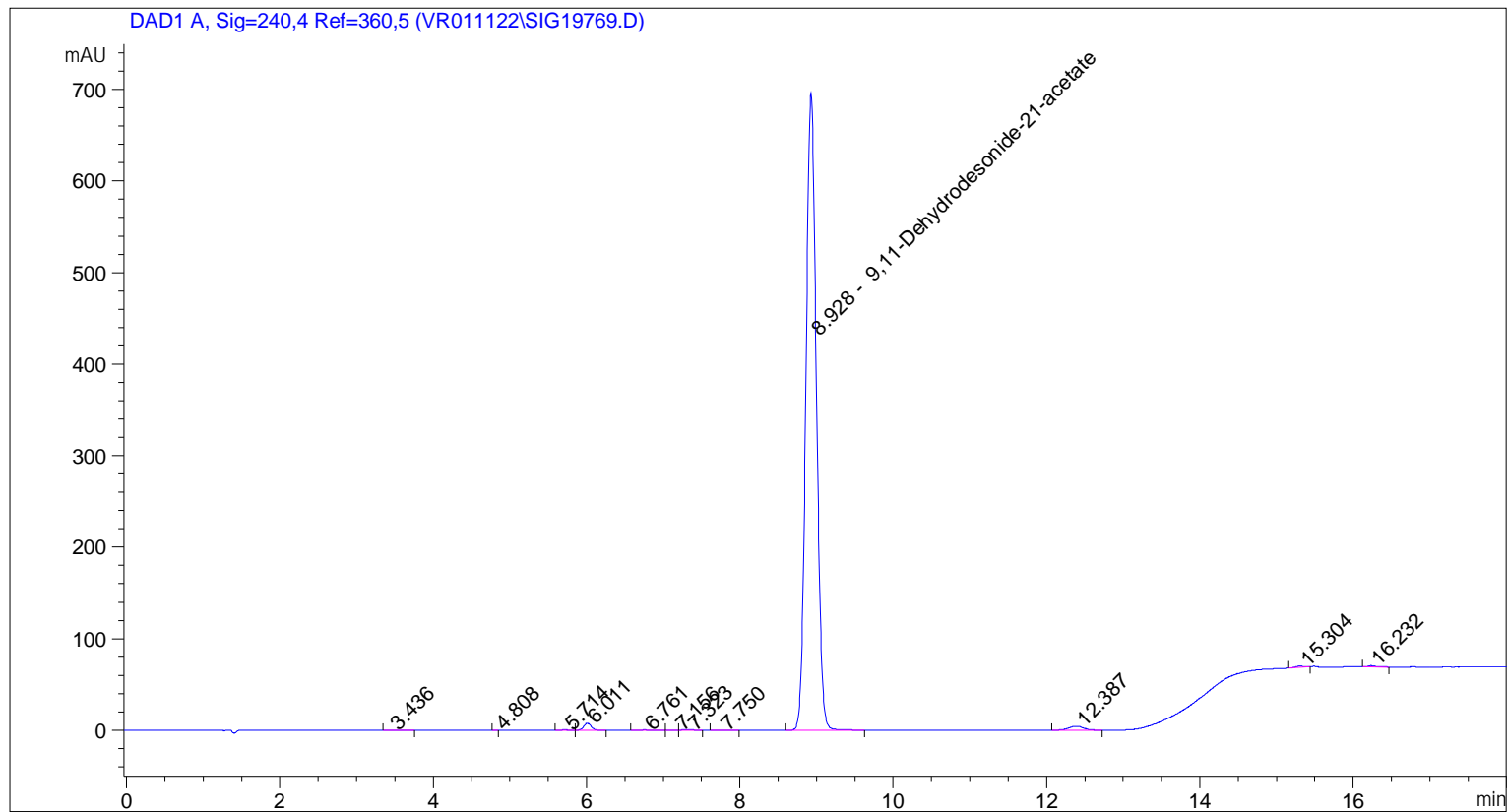
pp_2022_025_GR_17_103_1 191 (3.614) Sm (SG, 2x5.00); Sb (2,10.00); Cm (184:194-5:15)



ESI-MS spectrum for sample GR-17-103. Shows monoisotopic $[M+H]^+$ mass.

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 37
Injection Date  : 3/28/2022 12:41:52 PM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR032822_103.M
Last changed   : 3/28/2022 12:40:51 PM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR032822_103PM.M
Last changed   : 3/28/2022 1:42:18 PM by vrusu
  
```



Area Percent Report

```

Sorted By           : Signal
Calib. Data Modified : 3/28/2022 1:36:50 PM
Multiplier:         : 1.0000
Dilution:           : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.436	BB	0.1112	1.96953	0.0294	?
2	4.808	BB	0.0339	8.57353e-2	1.279e-3	?
3	5.714	BV	0.0960	2.00714	0.0299	?
4	6.011	VB	0.1036	50.81969	0.7582	?
5	6.761	BV	0.1432	2.56113	0.0382	?
6	7.156	VV	0.0917	8.55528e-1	0.0128	?
7	7.323	VB	0.1225	6.79681	0.1014	?
8	7.750	BB	0.1158	1.55134	0.0231	?

Sample Name: GR-17-103

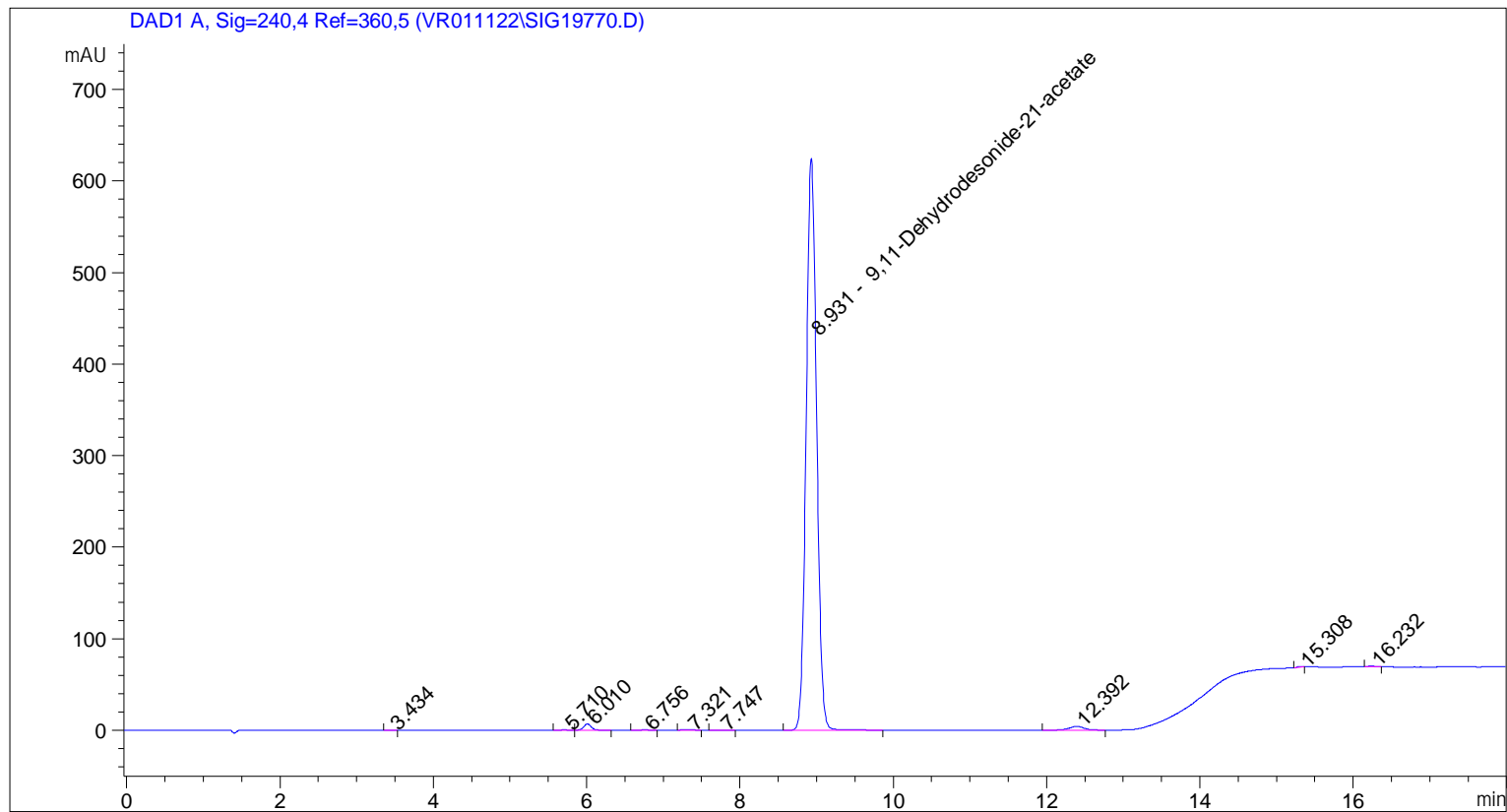
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	8.928	BB	0.1481	6564.16064	97.9299	9,11-Dehydrodesonide-21-acetate
10	12.387	BB	0.2051	55.46498	0.8275	?
11	15.304	BB	0.0946	9.22238	0.1376	?
12	16.232	BB	0.0899	7.42302	0.1107	?

Totals : 6702.91794

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

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 38
Injection Date  : 3/28/2022 1:04:34 PM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR032822_103.M
Last changed   : 3/28/2022 1:01:34 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR032822_103PM.M
Last changed   : 3/28/2022 1:42:18 PM by vrusu
  
```



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

```

Sorted By           :      Signal
Calib. Data Modified :      3/28/2022 1:36:50 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.434	BB	0.0773	6.77462e-1	0.0113	?
2	5.710	BV	0.1009	1.66168	0.0276	?
3	6.010	VB	0.1043	45.04232	0.7484	?
4	6.756	BB	0.1218	1.83731	0.0305	?
5	7.321	BB	0.1149	5.69391	0.0946	?
6	7.747	BB	0.1185	1.12295	0.0187	?
7	8.931	BB	0.1462	5901.99463	98.0598	9,11-Dehydrodesonide-21-acetate
8	12.392	BB	0.2070	52.28753	0.8687	?

Sample Name: GR-17-103 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	15.308	BB	0.0657	3.75193	0.0623	?
10	16.232	BB	0.0782	4.70066	0.0781	?

Totals : 6018.77040

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