

Name:	9,11-Dehydro Desonide
Lot#:	GR-17-109
Test Date:	03/31/2022 (re-test date: 03/31/2027)
CAS No.:	5541-37-7
MF:	C ₂₄ H ₃₁ O ₅
MW:	398.49
Appearance:	Off-White Solid
Purity:	97.2% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (shows a trace of EtOAc)
MS-ESI (+)	Conforms (shows peaks at m/z = 399.2 [M+H] ⁺)
Storage	Store at 0-8°C in a dry place away from direct sunlight

Approved by:

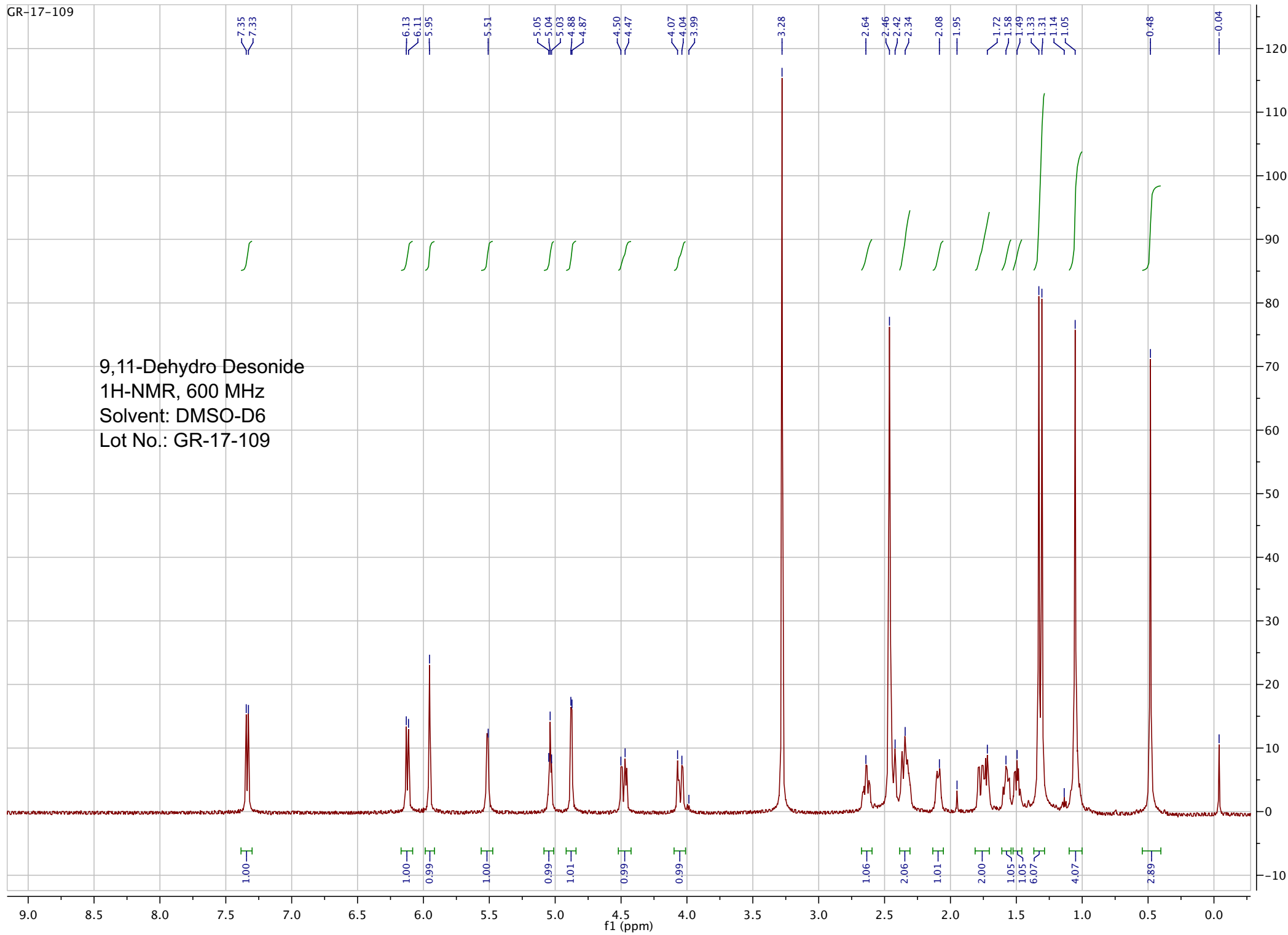
Date: 04/05/2022



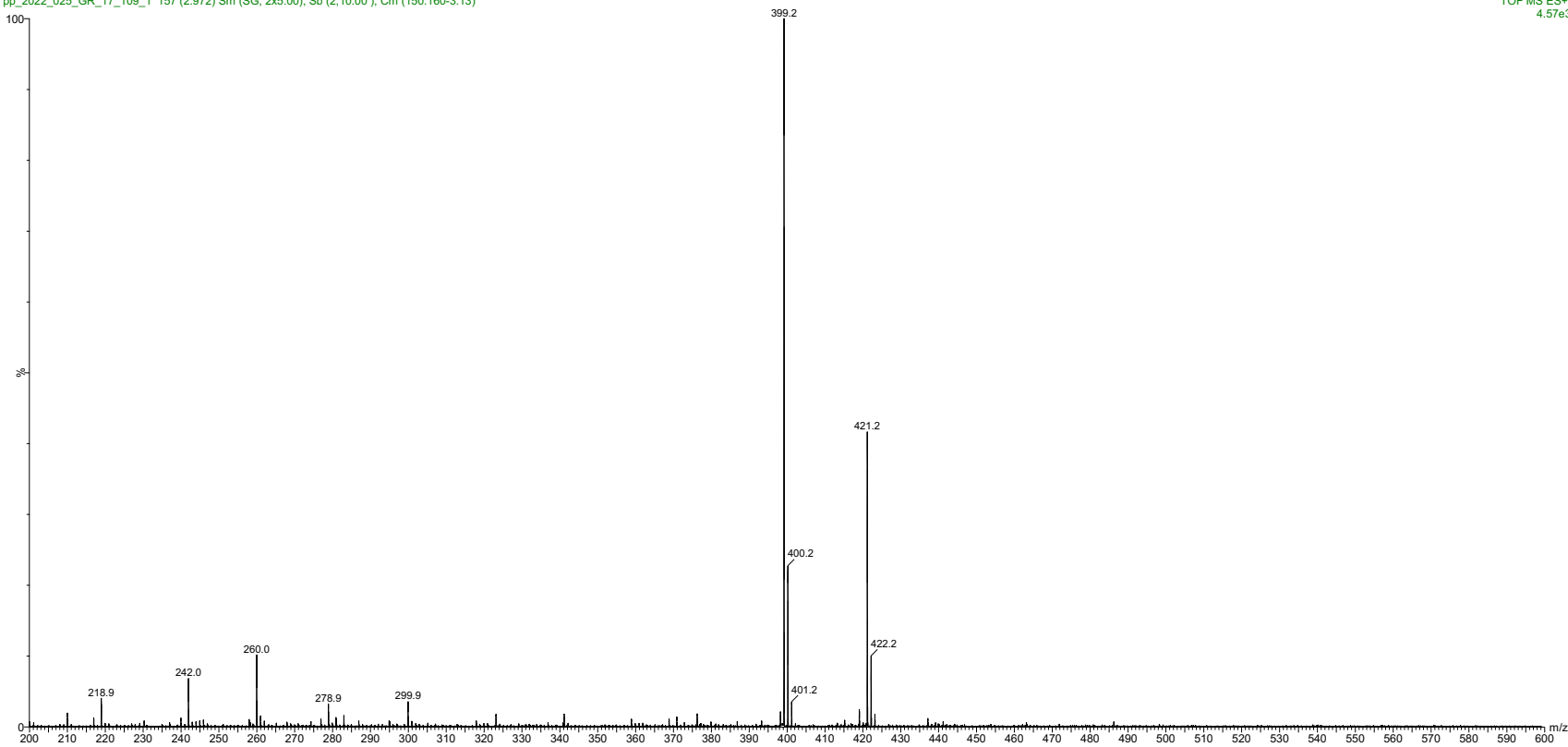
Viorica Rusu, QC/QA Manager

GR-17-109

9,11-Dehydro Desonide
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-17-109



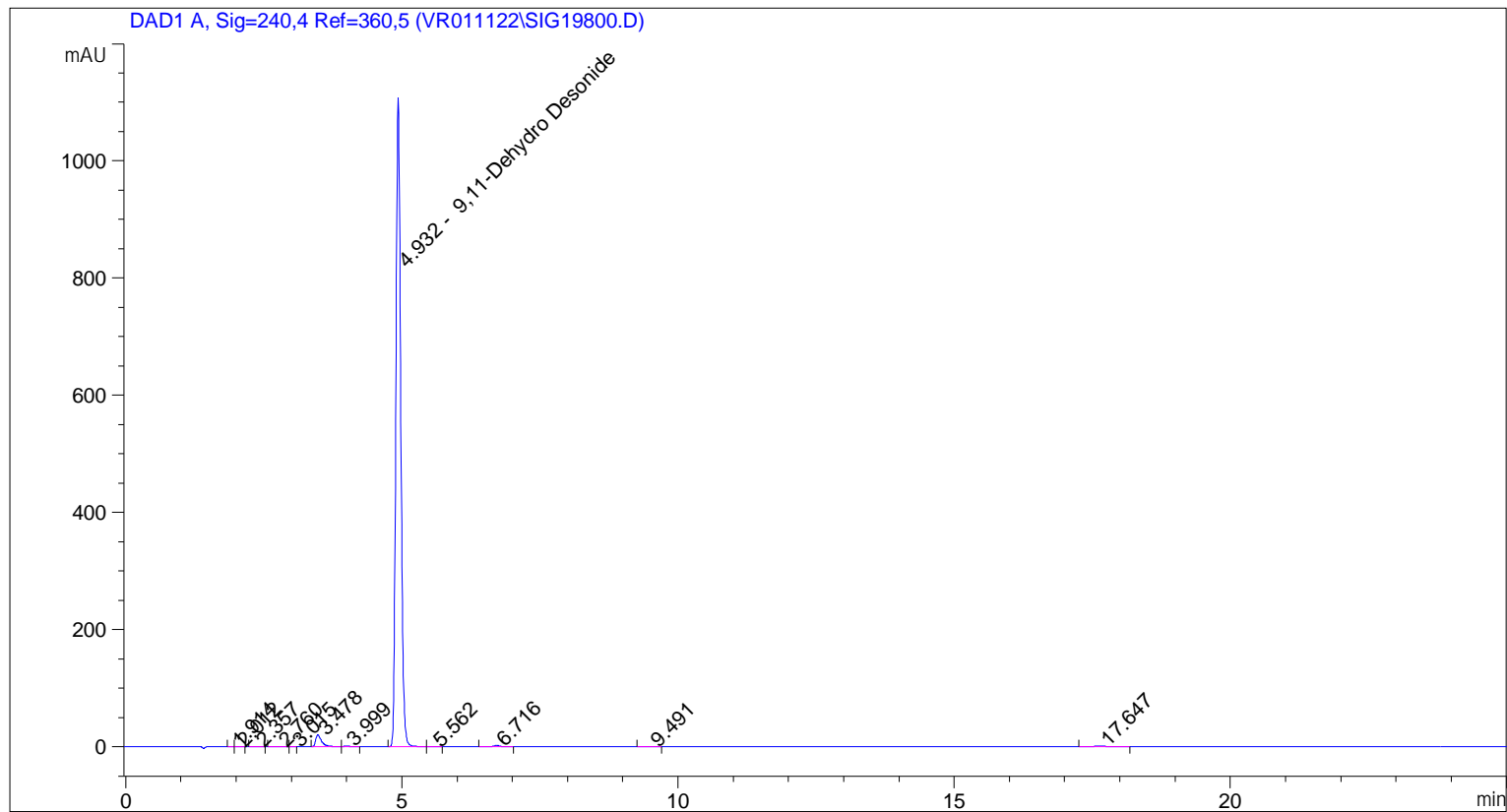
pp_2022_025_GR_17_109_1 157 (2.972) Sm (SG, 2x5.00); Sb (2,10.00); Cm (150:160-3:13)



ESI-MS spectrum for sample GR-17-109. Shows monoisotopic $[M+H]^+$ mass.

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 54
Injection Date  : 3/31/2022 8:50:27 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR033122_109.M
Last changed   : 3/31/2022 8:49:24 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR033122_109PM.M
Last changed   : 3/31/2022 10:13:03 AM by vrusu
  
```



Area Percent Report

```

Sorted By           : Signal
Calib. Data Modified : 3/31/2022 10:12:17 AM
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	1.914	BV	0.0729	4.17528e-1	5.985e-3	?
2	2.012	VB	0.0707	4.29049e-1	6.150e-3	?
3	2.357	BB	0.0847	1.25046	0.0179	?
4	2.760	BV	0.1272	3.41947	0.0490	?
5	3.015	VB	0.0578	3.43011e-1	4.917e-3	?
6	3.478	BV	0.1097	148.98720	2.1357	?
7	3.999	VB	0.0893	7.63814	0.1095	?
8	4.932	BB	0.0952	6779.76807	97.1884	9,11-Dehydro Desonide

Sample Name: GR-17-109

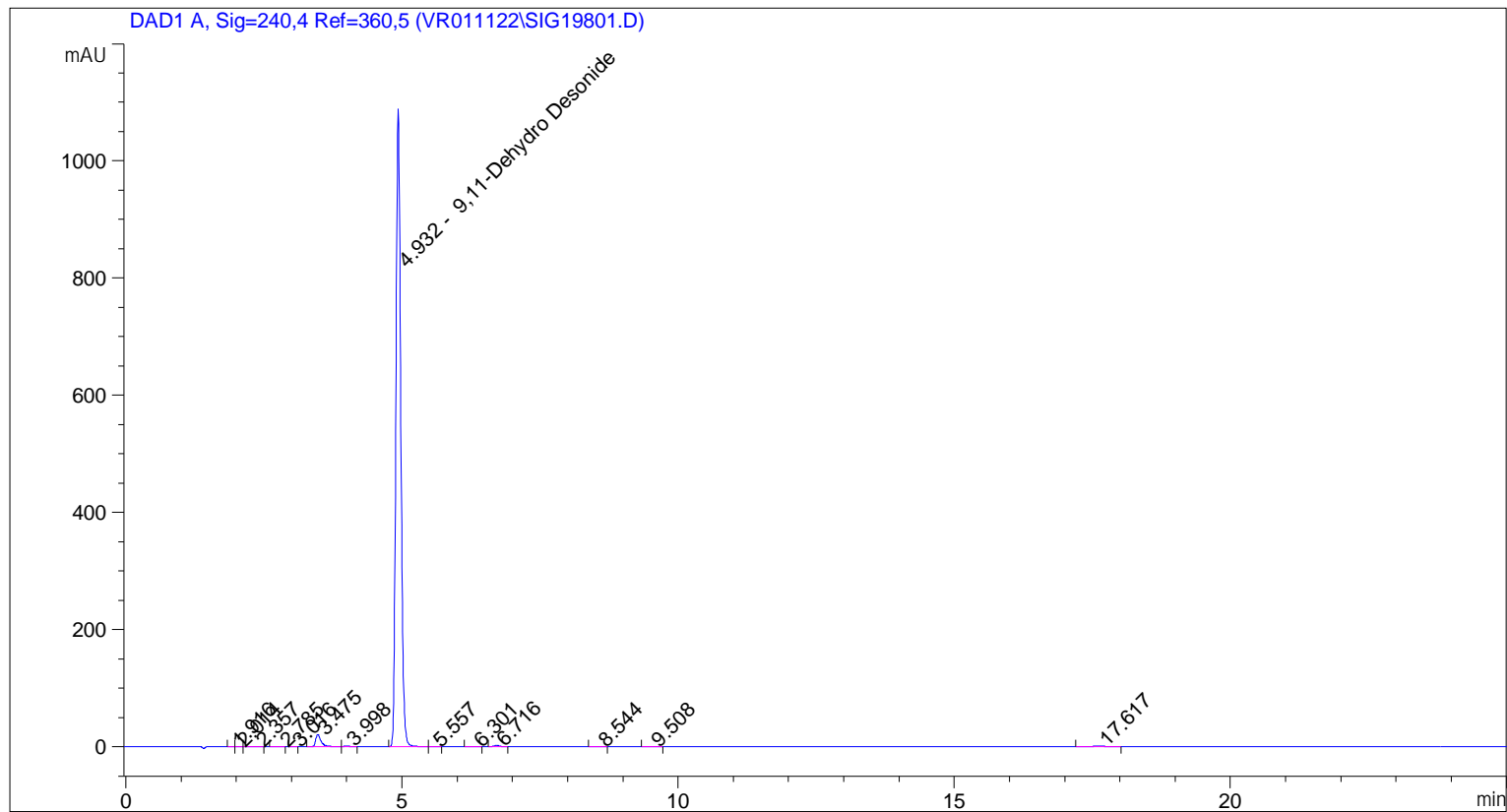
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	5.562	BB	0.0931	9.45282e-1	0.0136	?
10	6.716	BB	0.1229	15.13510	0.2170	?
11	9.491	BB	0.1452	2.41232	0.0346	?
12	17.647	BB	0.2413	15.15465	0.2172	?

Totals : 6975.90027

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

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 55
Injection Date  : 3/31/2022 9:17:24 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR033122_109.M
Last changed    : 3/31/2022 9:16:23 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR033122_109PM.M
Last changed    : 3/31/2022 10:13:03 AM by vrusu
  
```



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

```

Sorted By           :      Signal
Calib. Data Modified :      3/31/2022 10:12:17 AM
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	1.916	BV	0.0740	4.67785e-1	6.828e-3	?
2	2.014	VB	0.0605	4.72771e-1	6.900e-3	?
3	2.357	BB	0.1031	1.57661	0.0230	?
4	2.785	BB	0.1093	1.96053	0.0286	?
5	3.016	BB	0.0678	4.47655e-1	6.534e-3	?
6	3.475	BV	0.1010	141.46867	2.0648	?
7	3.998	VB	0.0848	7.76037	0.1133	?
8	4.932	BV	0.0952	6658.42480	97.1844	9,11-Dehydro Desonide

Sample Name: GR-17-109 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	5.557	VB	0.1046	1.46954	0.0214	?
10	6.301	BB	0.1242	1.49097	0.0218	?
11	6.716	BB	0.1153	13.99593	0.2043	?
12	8.544	BB	0.1273	3.71598	0.0542	?
13	9.508	BB	0.1344	2.30894	0.0337	?
14	17.617	BB	0.2442	15.77008	0.2302	?

Totals : 6851.33065

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