

Name: 6-Keto Norethindrone Acetate

Lot#: GR-1-053

Test Date: 03/06/2025 (re-test date: 03/06/2030)

CAS No.: 438244-27-0

MF: C₂₂H₂₆O₄

MW: 354.45

Appearance: White Solid

Purity: 98.0% by HPLC (average of two sample preparations)

¹H-NMR: Conforms

MS-DART (+) Conforms (shows peaks at m/z = 354.2 [M]⁺)

Storage Store at 0-8°C in a dry place away from direct sunlight

Approved by:

Date: 03/06/2025



Viorica Rusu, QC/QA Manager

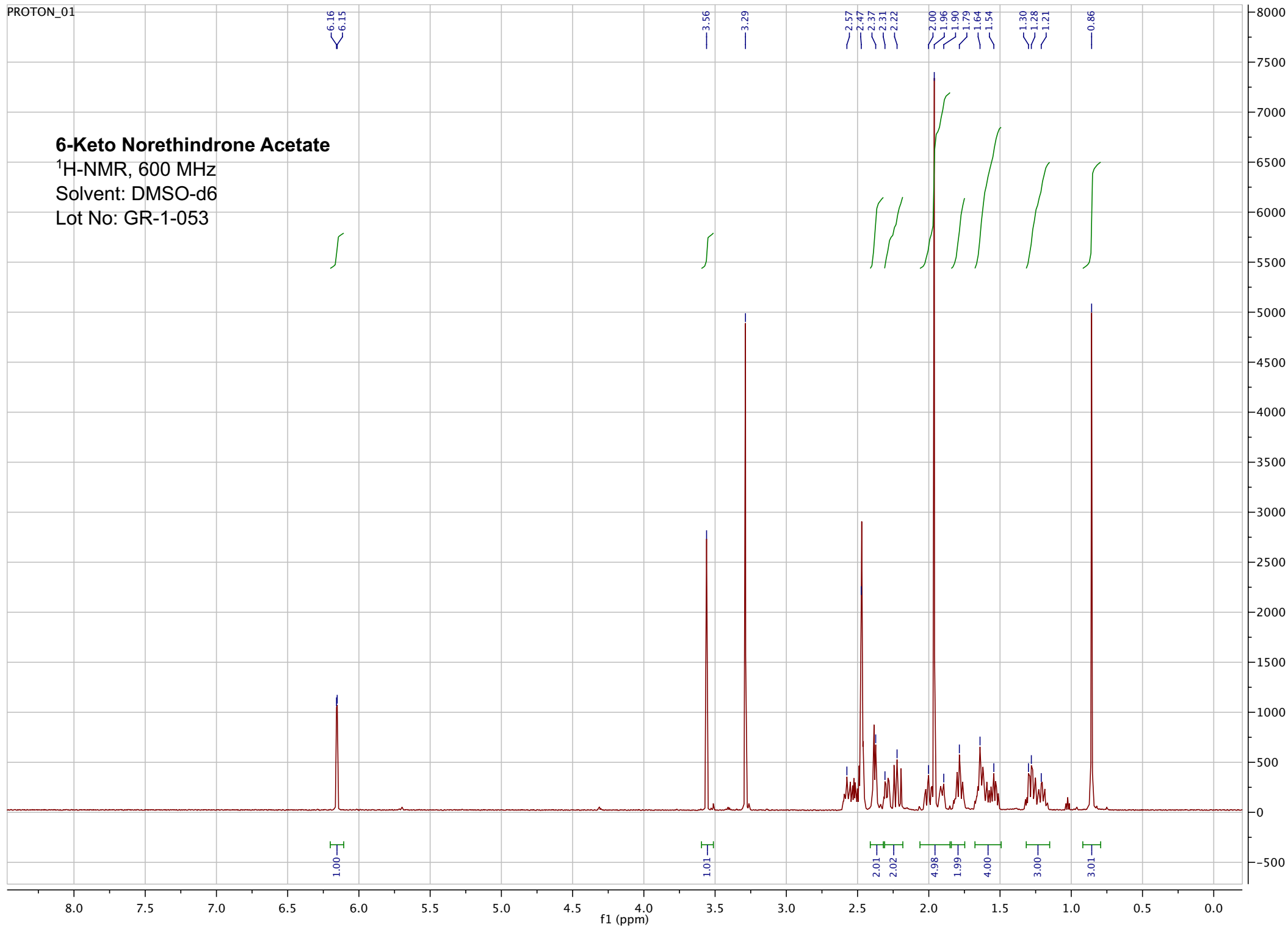
PROTON_01

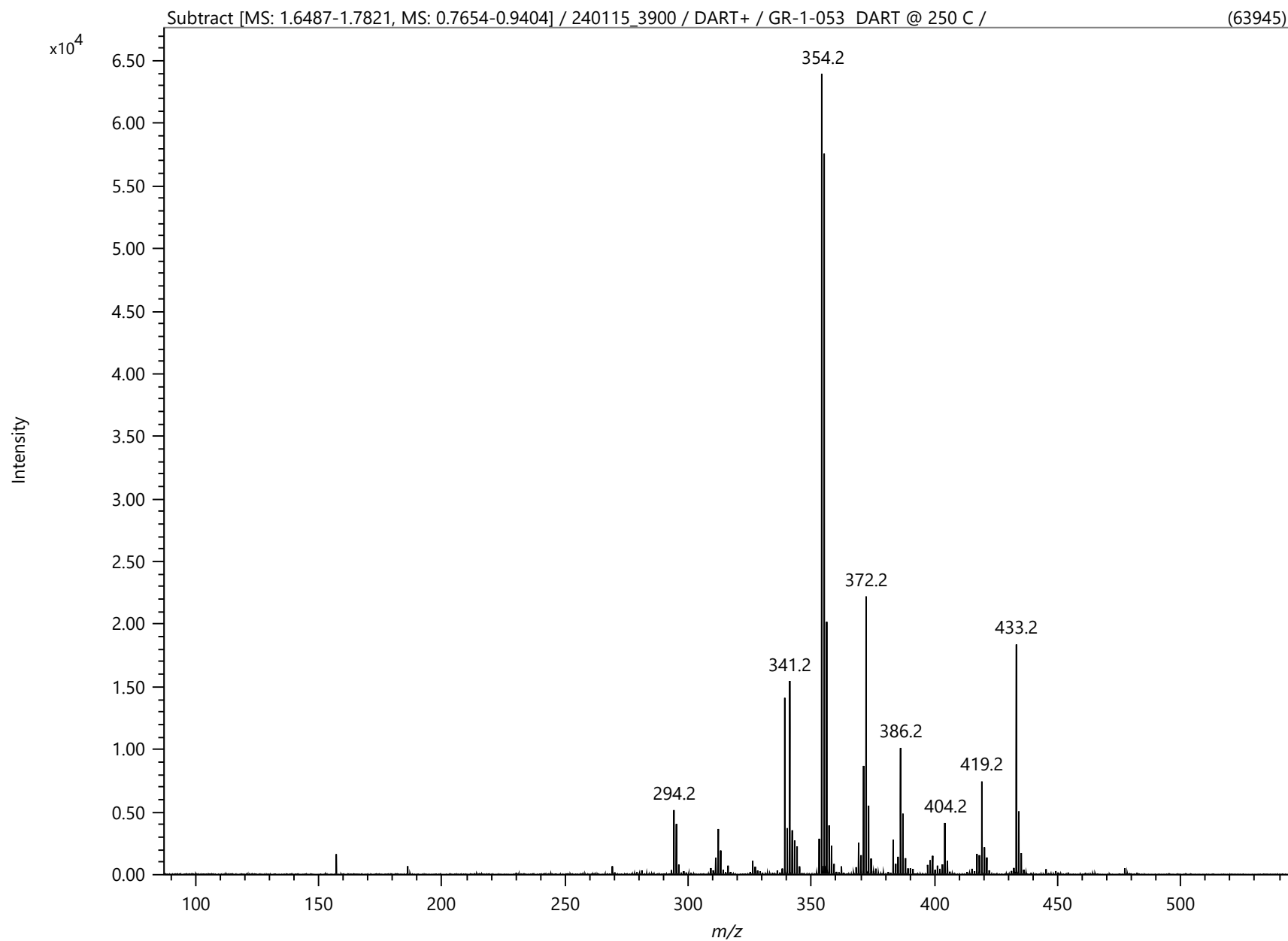
6-Keto Norethindrone Acetate

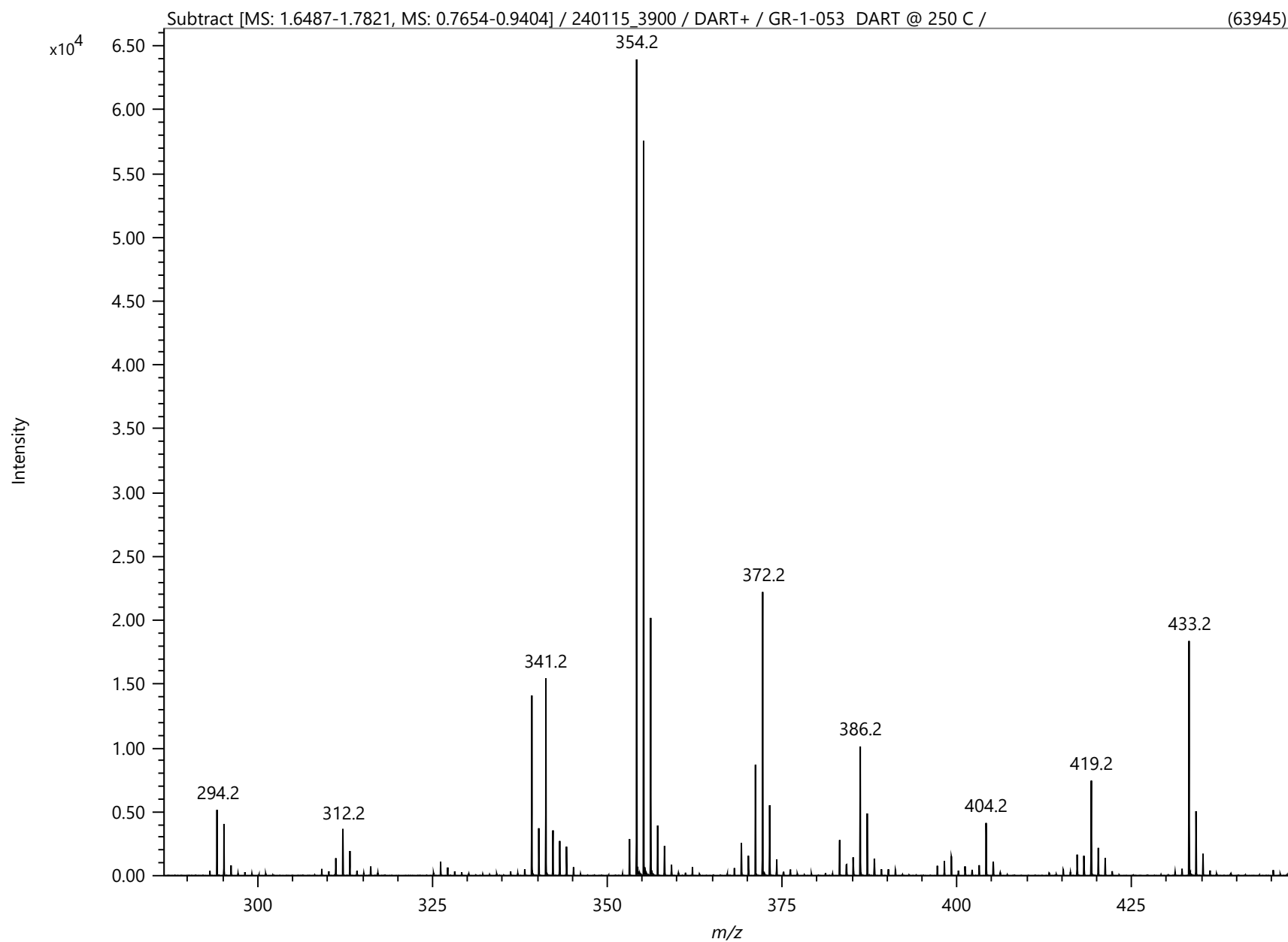
¹H-NMR, 600 MHz

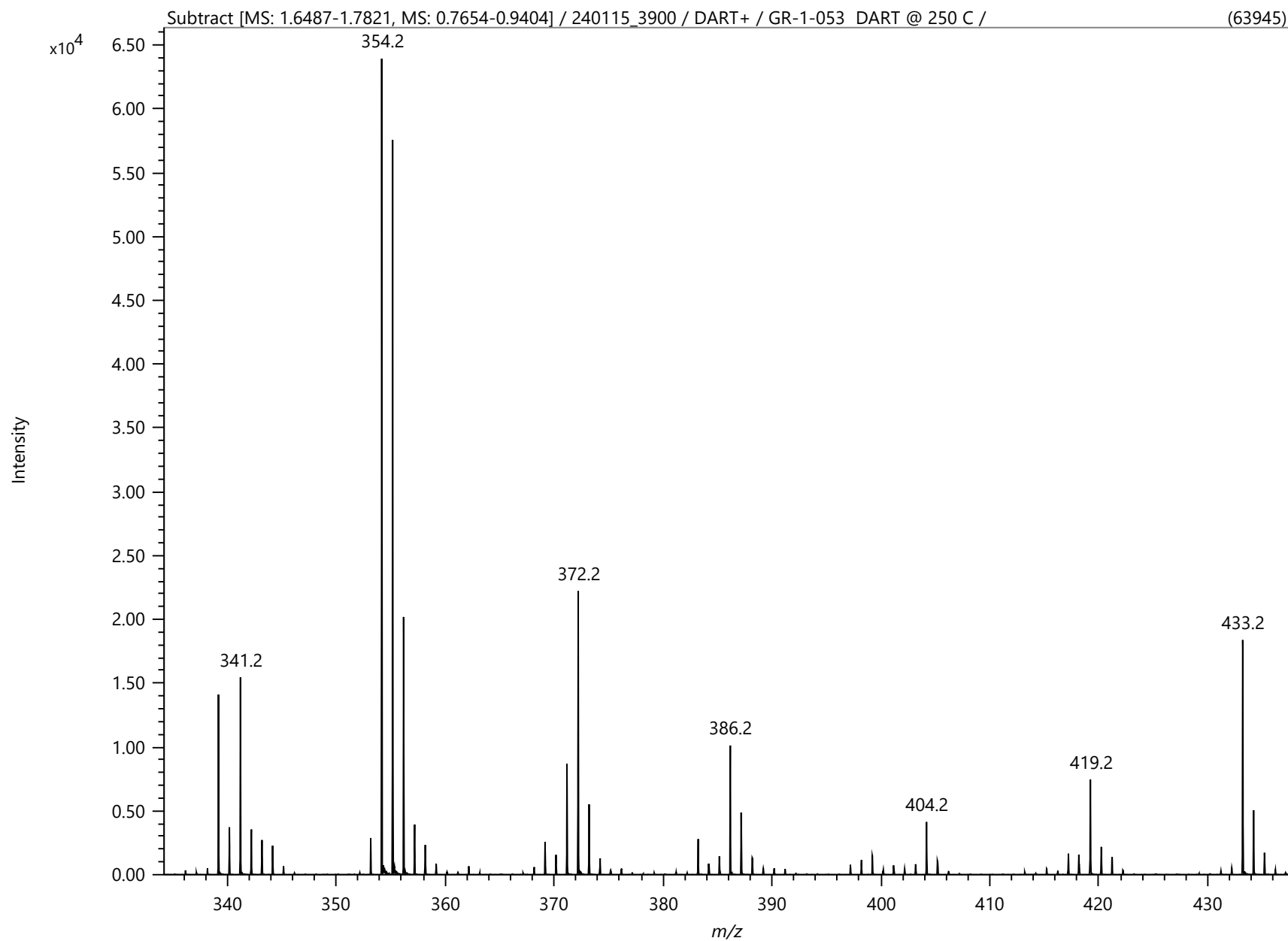
Solvent: DMSO-d6

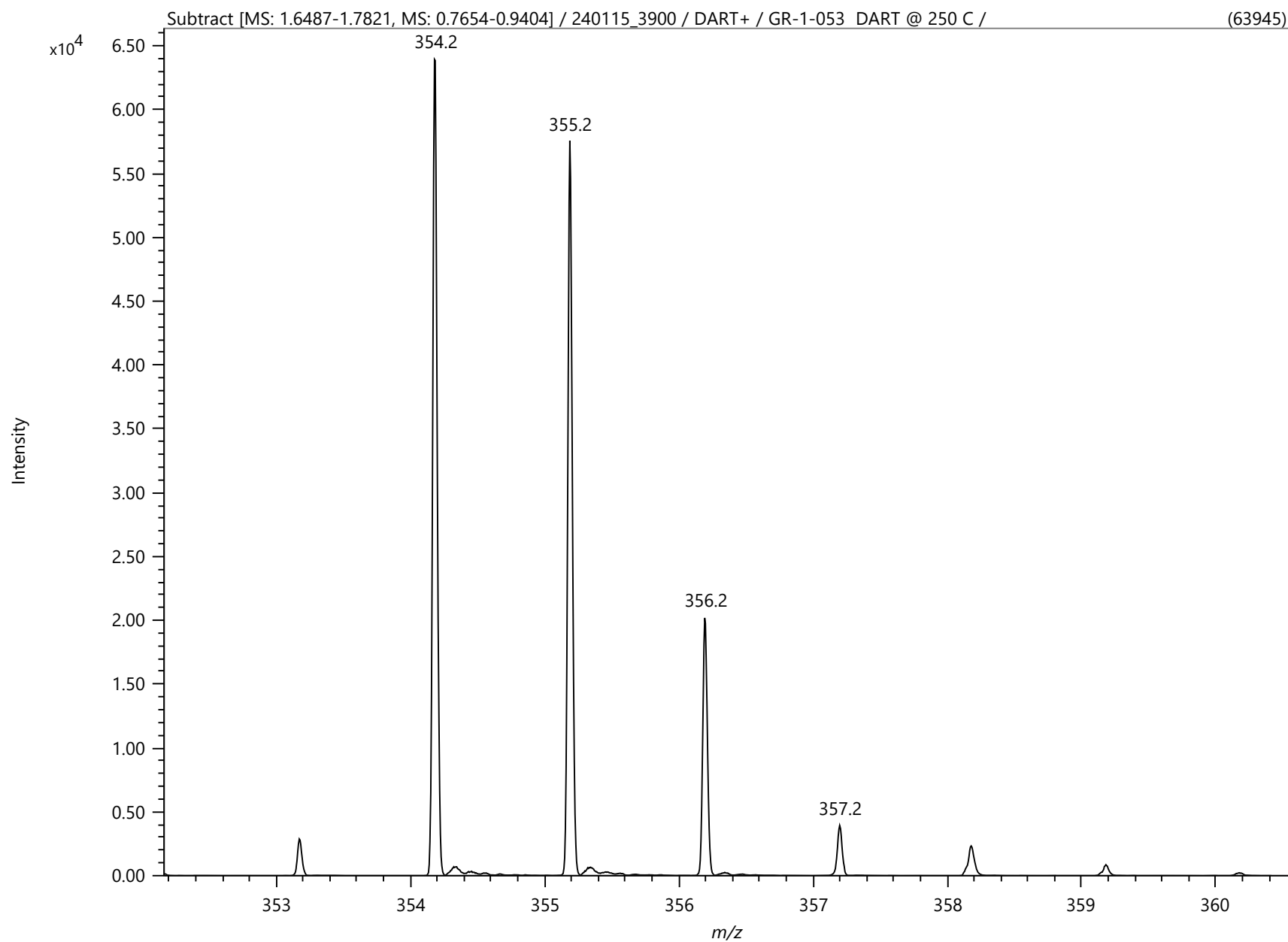
Lot No: GR-1-053











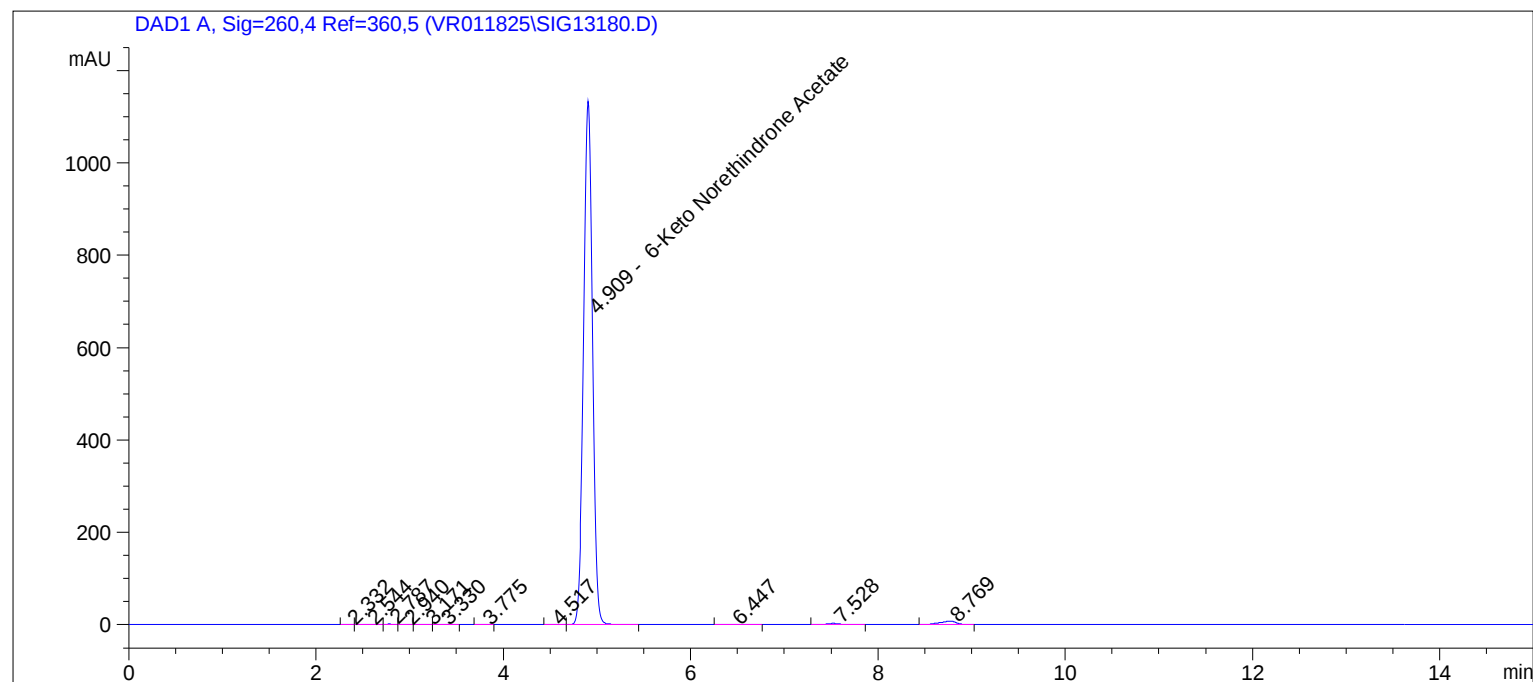
Sample Name: GR-1-053 spl-2

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                      Location : Vial 22
Injection Date  : 3/5/2025 3:09:40 PM
                                           Inj Volume : 5.0 µl

Acq. Method     : C:\CHEM32\1\METHODS\VR030525_053.M
Last changed    : 3/5/2025 3:08:31 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR030625_053PM.M
Last changed    : 3/6/2025 8:51:44 AM by vrusu
=====

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

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```

Sorted By           :      Signal
Calib. Data Modified :      3/6/2025 8:48:28 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.332	BV	0.0800	3.21617	0.0424	?
2	2.544	VB	0.1340	7.25203	0.0956	?
3	2.787	BB	0.0626	4.20907	0.0555	?
4	2.940	BB	0.0743	1.60220	0.0211	?
5	3.171	BV	0.0966	4.15972	0.0548	?
6	3.330	VB	0.0861	5.40544	0.0712	?
7	3.775	BB	0.0749	4.97118	0.0655	?
8	4.517	BB	0.0873	1.12206	0.0148	?
9	4.909	BB	0.1025	7428.44385	97.9121	6-Keto Norethindrone Acetate
10	6.447	BB	0.1408	5.10311	0.0673	?
11	7.528	BB	0.1478	26.19705	0.3453	?

Sample Name: GR-1-053 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                      Location : Vial 22
Injection Date  : 3/5/2025 3:09:40 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR030525_053.M
Last changed    : 3/5/2025 3:08:31 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR030625_053PM.M
Last changed    : 3/6/2025 8:51:44 AM by vrusu
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
12	8.769	BB	0.1893	95.16470	1.2543	?

Totals : 7586.84658

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

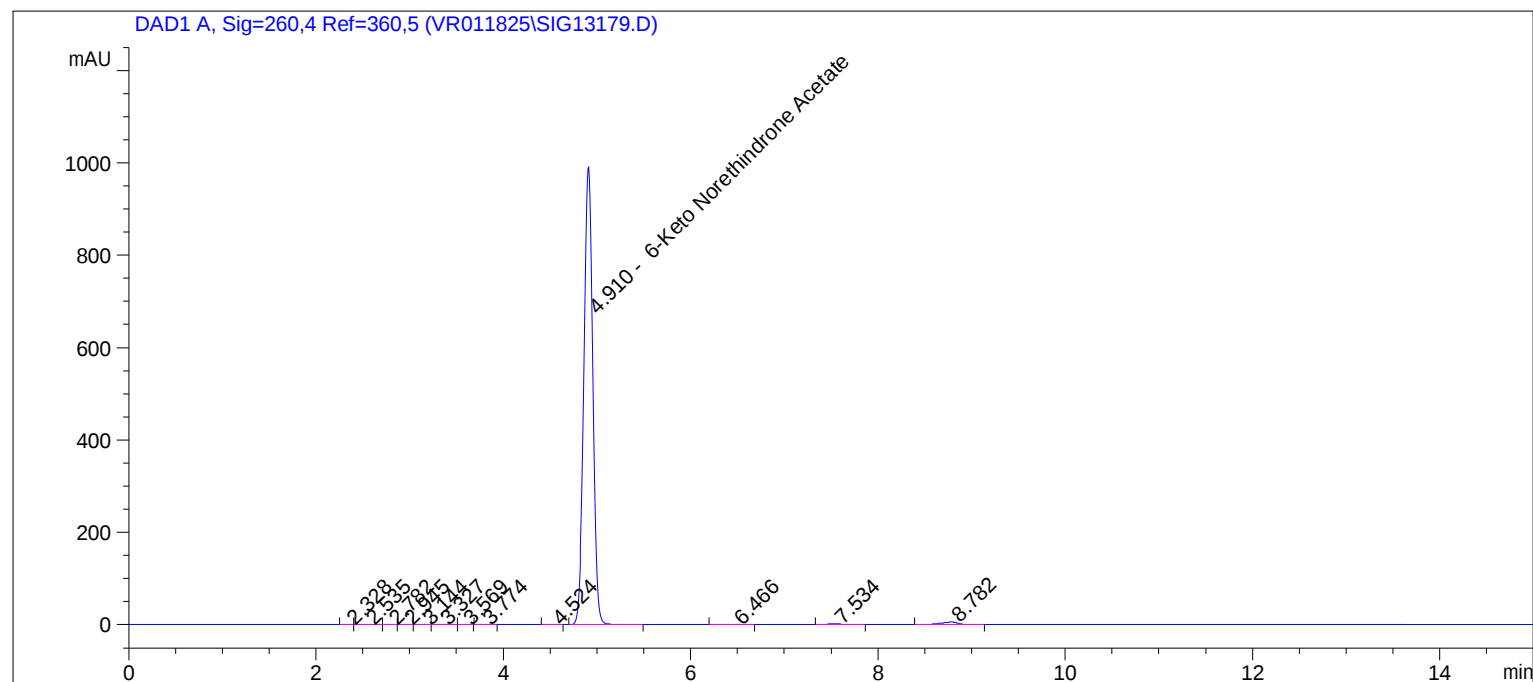
Sample Name: GR-1-053

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                      Location : Vial 21
Injection Date  : 3/5/2025 2:48:31 PM
                                           Inj Volume : 5.0 µl

Acq. Method     : C:\CHEM32\1\METHODS\VR030525_053.M
Last changed    : 3/5/2025 2:47:22 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR030625_053PM.M
Last changed    : 3/6/2025 8:51:44 AM by vrusu
=====

```



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

```

```

Sorted By           :      Signal
Calib. Data Modified :      3/6/2025 8:48:28 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.328	BV	0.0870	2.41185	0.0365	?
2	2.535	VV	0.1298	6.55638	0.0991	?
3	2.782	VB	0.0631	3.88808	0.0588	?
4	2.945	BB	0.0613	9.46808e-1	0.0143	?
5	3.144	BV	0.1034	2.74166	0.0414	?
6	3.327	VV	0.1008	5.14226	0.0777	?
7	3.569	VB	0.0788	1.50033	0.0227	?
8	3.774	BB	0.0790	3.85335	0.0582	?
9	4.524	BB	0.0864	1.16861	0.0177	?
10	4.910	BB	0.1003	6489.62695	98.0936	6-Keto Norethindrone Acetate
11	6.466	BB	0.1577	4.21906	0.0638	?

Sample Name: GR-1-053

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                      Location : Vial 21
Injection Date  : 3/5/2025 2:48:31 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR030525_053.M
Last changed    : 3/5/2025 2:47:22 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR030625_053PM.M
Last changed    : 3/6/2025 8:51:44 AM by vrusu
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
12	7.534	BB	0.1499	20.38784	0.3082	?
13	8.782	BB	0.1892	73.30467	1.1080	?

Totals : 6615.74784

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*** End of Report ***
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