

Name:	COTI-219 D8 4-Methyl-2-(9H-cyclopenta[1,2-b:4,3-b']dipyridin-9-ylidene)-1-piperazine-d8-carbothioic acid hydrazide
Lot#:	GR-6-145
Test Date:	03/09/2021 (re-test date: 03/09/2026)
CAS No.:	1039455-85-0 (unlabelled)
MF:	C ₁₇ H ₁₀ D ₈ N ₆ S
MW:	346.48
Appearance:	Yellow solid
Purity:	98.7% by HPLC (average of two sample preparations); 99.5% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 347.30 [M+H] ⁺)
Storage	Store at 0-5°C in a dry place away from direct sunlight

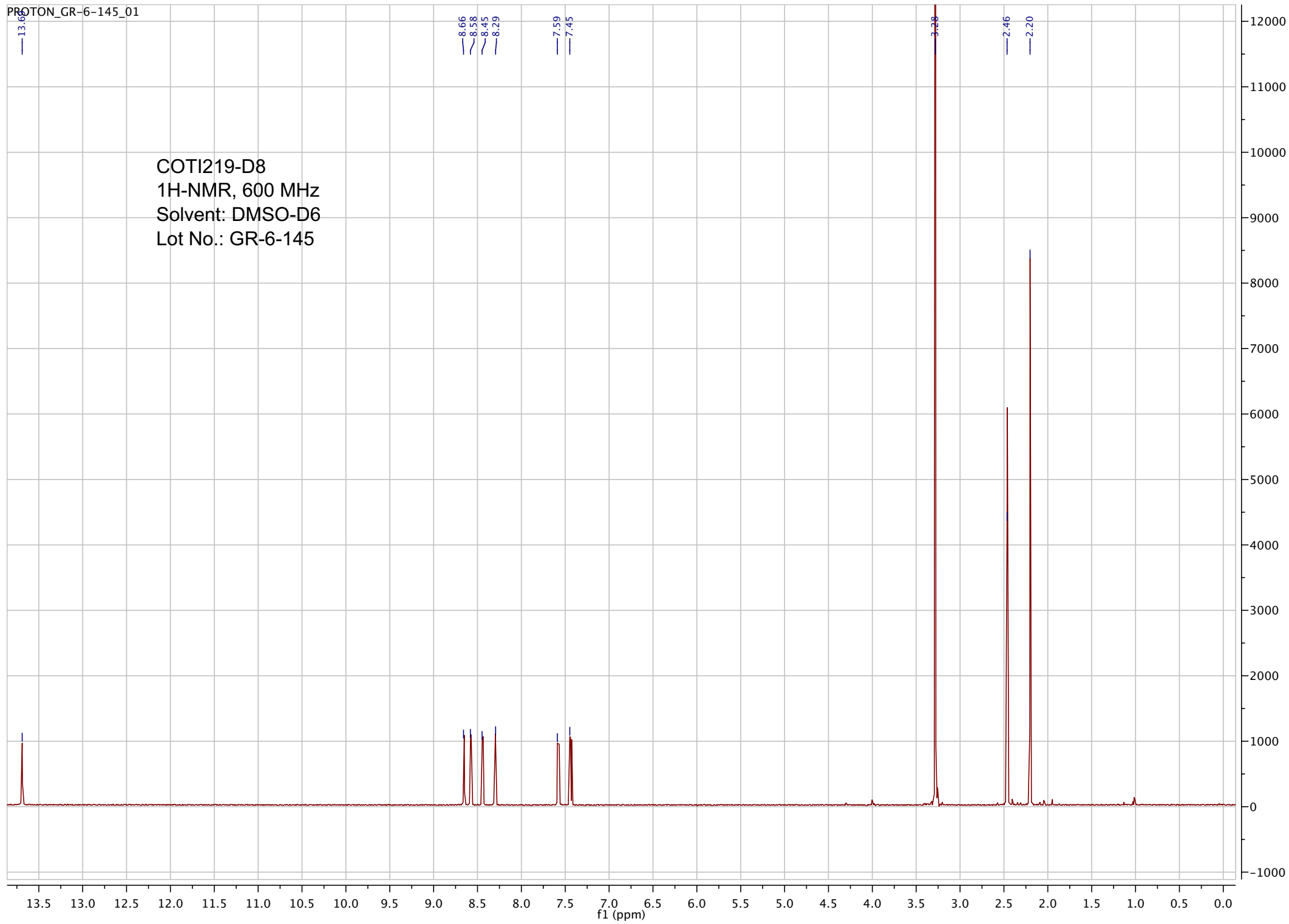
Approved by:

Date: 03/09/2021



Viorica Rusu, QC/QA Manager

COTI219-D8
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-6-145

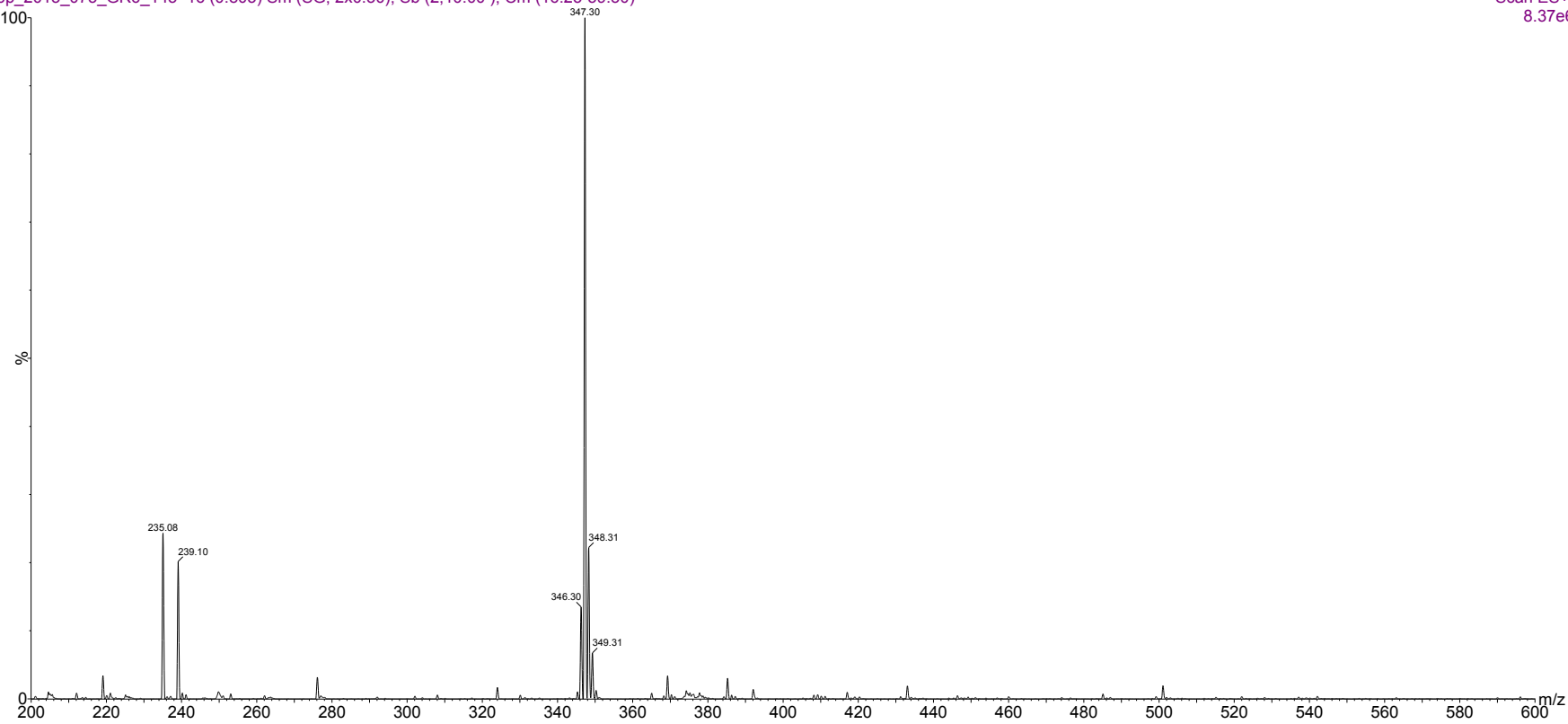


12:16:30, 05-Aug-2015

Scan ES+

8.37e6

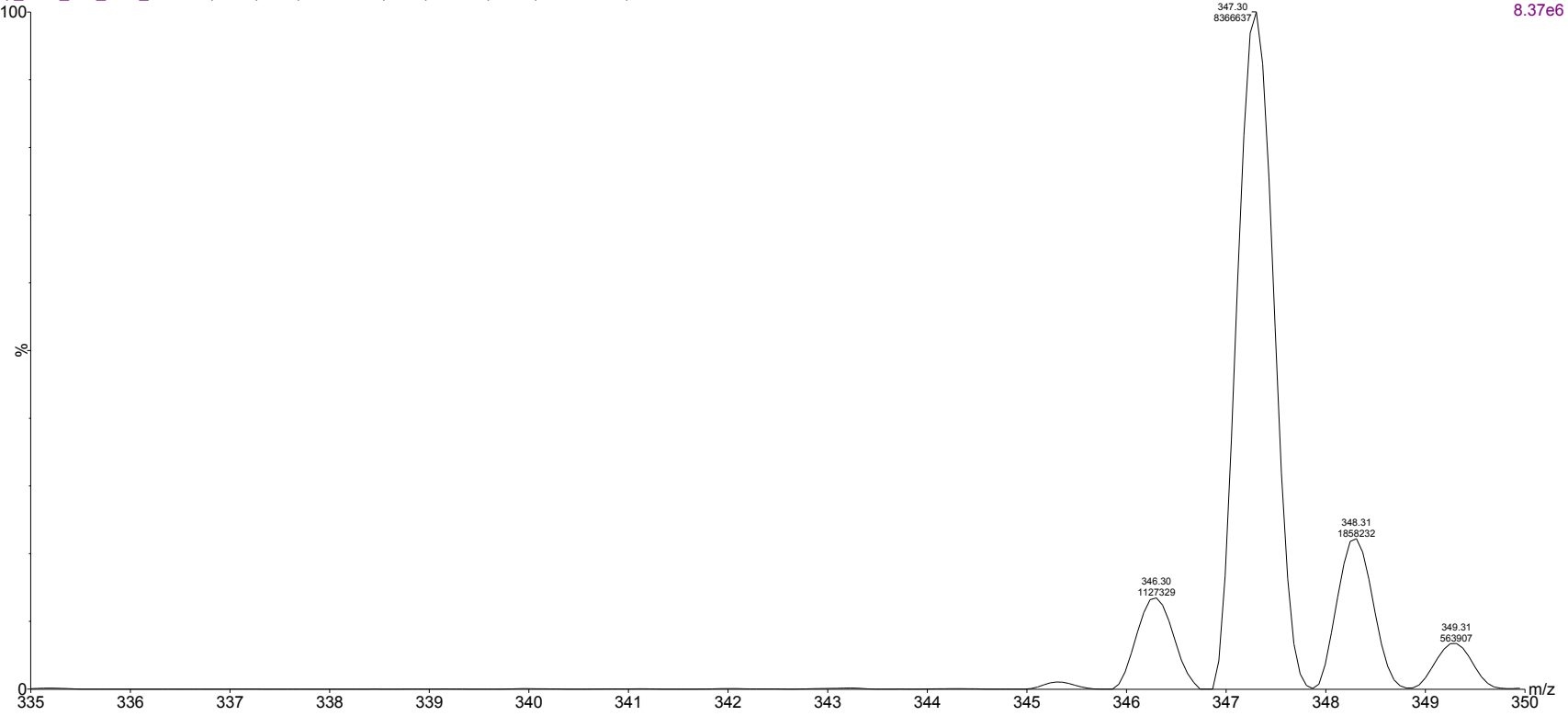
pp_2015_075_GR6_145 16 (0.803) Sm (SG, 2x0.50); Sb (2,10.00); Cm (16:23-39:50)



Raw ESI-MS spectrum for sample GR-6-145. Shows monoisotopic [M+H]⁺ mass.

12:16:30, 05-Aug-2015
Scan ES+
8.37e6

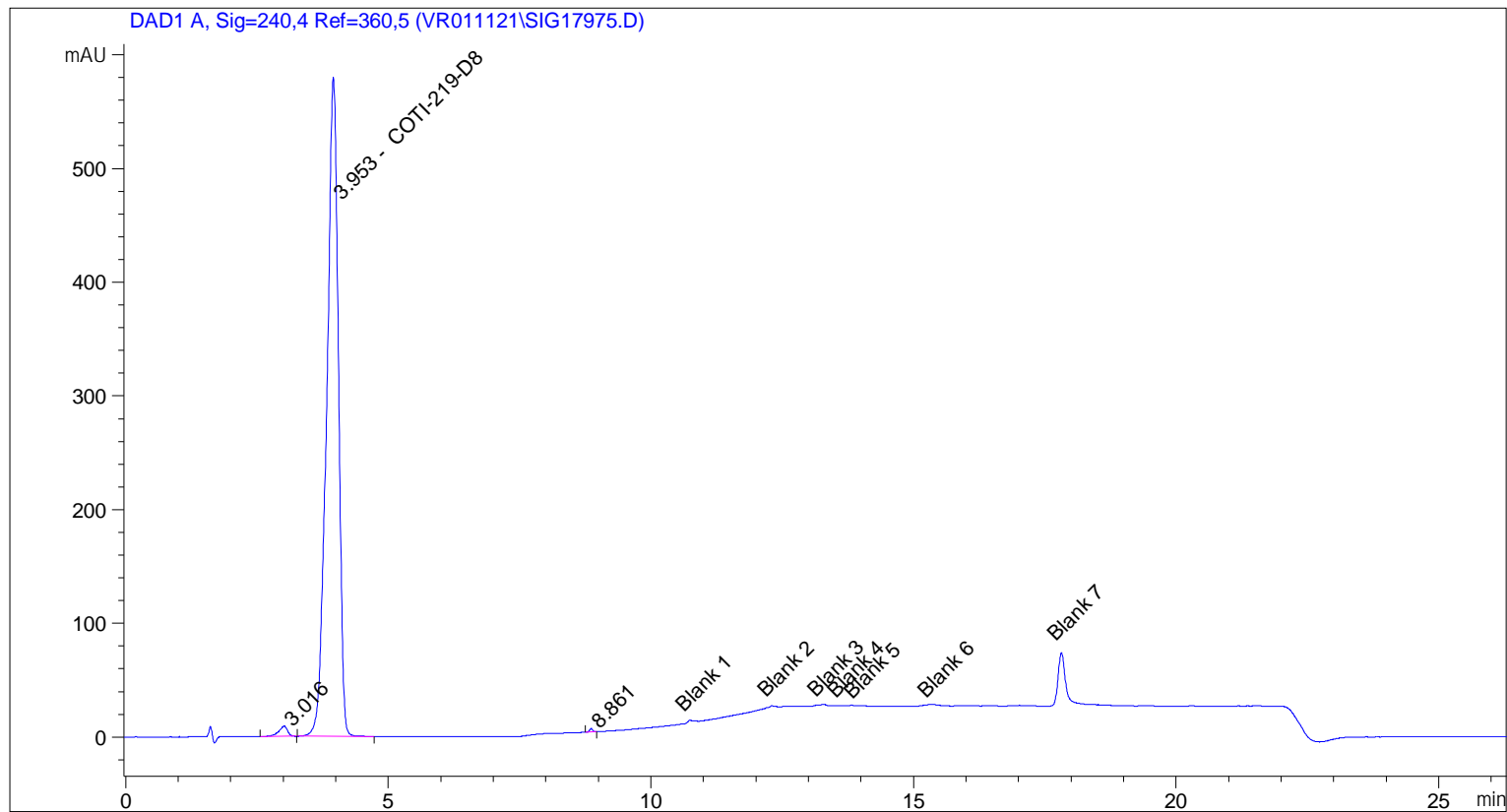
pp_2015_075_GR6_145 16 (0.803) Sm (SG, 2x0.50); Sb (2,10.00); Cm (16:23-39:50)



Expansion of above, range 335 to 350 Da. Peak annotation shows m/z and intensity.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 34
Injection Date  : 3/9/2021 2:31:19 PM
                                           Inj Volume : 17.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR030921_145.M
Last changed    : 3/9/2021 2:29:55 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR030921_145PM.M
Last changed    : 3/9/2021 3:40:24 PM by vrusu
  
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 Area Percent Report
 =====

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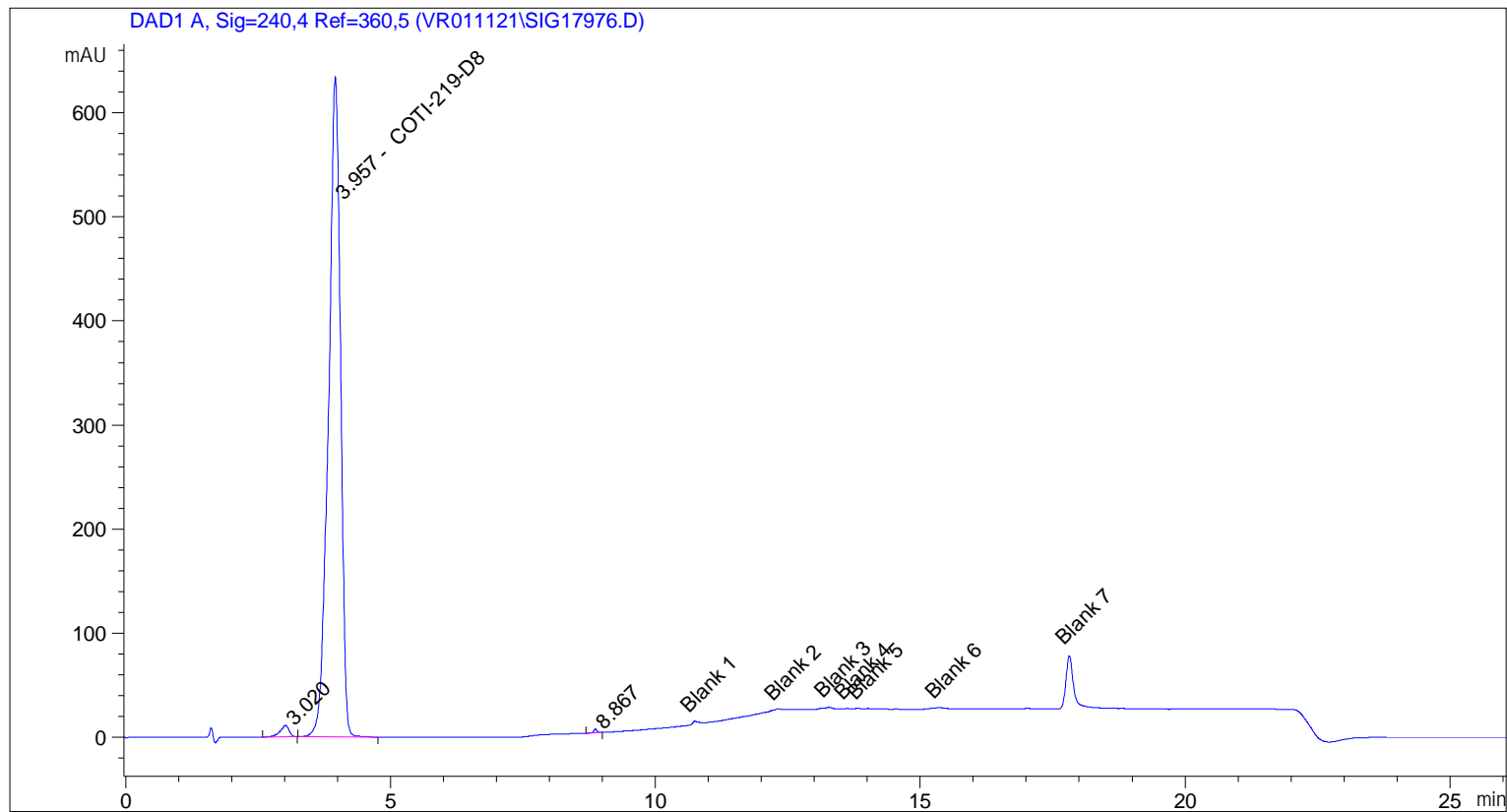
Sorted By       : Signal
Calib. Data Modified : 3/9/2021 3:38:23 PM
Multiplier:     : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

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

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.016	BB	0.1700	105.02672	1.1590	?
2	3.953	BB	0.2299	8944.45801	98.7057	COTI-219-D8
3	8.861	BB	0.0593	12.26287	0.1353	?

Totals : 9061.74759

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 35
Injection Date : 3/9/2021 3:03:16 PM Inj Volume : 17.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR030921_145.M
Last changed : 3/9/2021 3:01:39 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR030921_145PM.M
Last changed : 3/9/2021 3:42:58 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 3/9/2021 3:38:23 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	3.020	BB	0.1723	128.20888	1.2705	?
2	3.957	BB	0.2350	9948.58203	98.5838	COTI-219-D8
3	8.867	BB	0.0620	14.70863	0.1458	?

Totals : 1.00915e4