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Reviewed by DND on 05/21/2015

5/18/2015

Worklist: 705

| <u>LAB_CASE</u> | <u>ITEM</u> | <u>TASK_ID</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|----------------|--------------------------------|--|
| M2015-1133 | 2 | 33932 | 3.10.1 Blood confirmation Carb |  |
| M2015-1152 | 2 | 33933 | 3.10.1 Blood confirmation Carb |  |
| M2015-1353 | 3 | 33935 | 3.10.1 Blood confirmation Carb |  |
| P2015-1060 | 1 | 33936 | 3.10.1 Blood confirmation Carb |  |
| P2015-1063 | 1 | 33937 | 3.10.1 Blood confirmation Carb |  |
| P2015-1064 | 1 | 33938 | 3.10.1 Blood confirmation Carb |  |
| P2015-1065 | 1 | 33939 | 3.10.1 Blood confirmation Carb |  |

POC_AM 3.10.1_05122015

5/12/15 CG

Simulate Run Sequence Tue May 12 14:13:53 2015

Instrument Name: Bones
Sequence File: C:\msdchem\1\sequence\CS-CANN051215-less than 10 samples.s
Comment: Confirmations
Operator: Pocatello Laboratory
Data Path: C:\MSDCHEM\1\DATA\CDS\2015\051215 CANN\
Method Path: C:\MSDCHEM\1\METHODS\

| Line | Type | Vial | DataFile | Method | Sample Name |
|------|----------|------|----------------------------------|--------|-------------|
| 1) | Sample | 100 | Blank | | |
| | Datafile | | Blank1 | | |
| | Method | | CANN-11-10-2010 | | |
| 2) | Sample | 9 | High Control 60ng/mL | | |
| | Datafile | | High Control-1-fs | | |
| | Method | | CANNFS-11-10-2010 | | |
| 3) | Sample | 9 | High Control 60ng/mL | | |
| | Datafile | | High Control-1ck | | |
| | Method | | CANN-11-10-2010 | | |
| 4) | Sample | 99 | Blank | | |
| | Datafile | | Blank2 | | |
| | Method | | CANN-11-10-2010 | | |
| 5) | Sample | 1 | Negative Control: UTAK Lot B0689 | | |
| | Datafile | | Negative Control | | |
| | Method | | CANN-11-10-2010 | | |
| 6) | Sample | 2 | Calibrator Level 1: 2.5 ng/mL | | |
| | Datafile | | Calibrator Level 1 | | |
| | Method | | CANN-11-10-2010 | | |
| 7) | Sample | 3 | Calibrator Level 2: 5 ng/mL | | |
| | Datafile | | Calibrator Level 2 | | |
| | Method | | CANN-11-10-2010 | | |
| 8) | Sample | 4 | Calibrator Level 3: 10 ng/mL | | |
| | Datafile | | Calibrator Level 3 | | |
| | Method | | CANN-11-10-2010 | | |
| 9) | Sample | 5 | Calibrator Level 4: 25 ng/mL | | |
| | Datafile | | Calibrator Level 4 | | |
| | Method | | CANN-11-10-2010 | | |
| 10) | Sample | 6 | Calibrator Level 5: 50 ng/mL | | |
| | Datafile | | Calibrator Level 5 | | |
| | Method | | CANN-11-10-2010 | | |
| 11) | Sample | 7 | Calibrator Level 6: 100 ng/mL | | |
| | Datafile | | Calibrator Level 6 | | |
| | Method | | CANN-11-10-2010 | | |
| 12) | Sample | 97 | Blank | | |
| | Datafile | | Blank3 | | |
| | Method | | CANN-11-10-2010 | | |
| 13) | Sample | 96 | Lab No.: M2015-1133-2 | | |
| | Datafile | | M2015-1133-2 Blank | | |
| | Method | | CANN-11-10-2010 | | |
| 14) | Sample | 10 | Lab No.: M2015-1133-2 | | |
| | Datafile | | M2015-1133-2 | | |
| | Method | | CANN-11-10-2010 | | |
| 15) | Sample | 95 | Lab No.: M2015-1152-2 | | |
| | Datafile | | M2015-1152-2 Blank | | |
| | Method | | CANN-11-10-2010 | | |
| 16) | Sample | 11 | Lab No.: M2015-1152-2 | | |

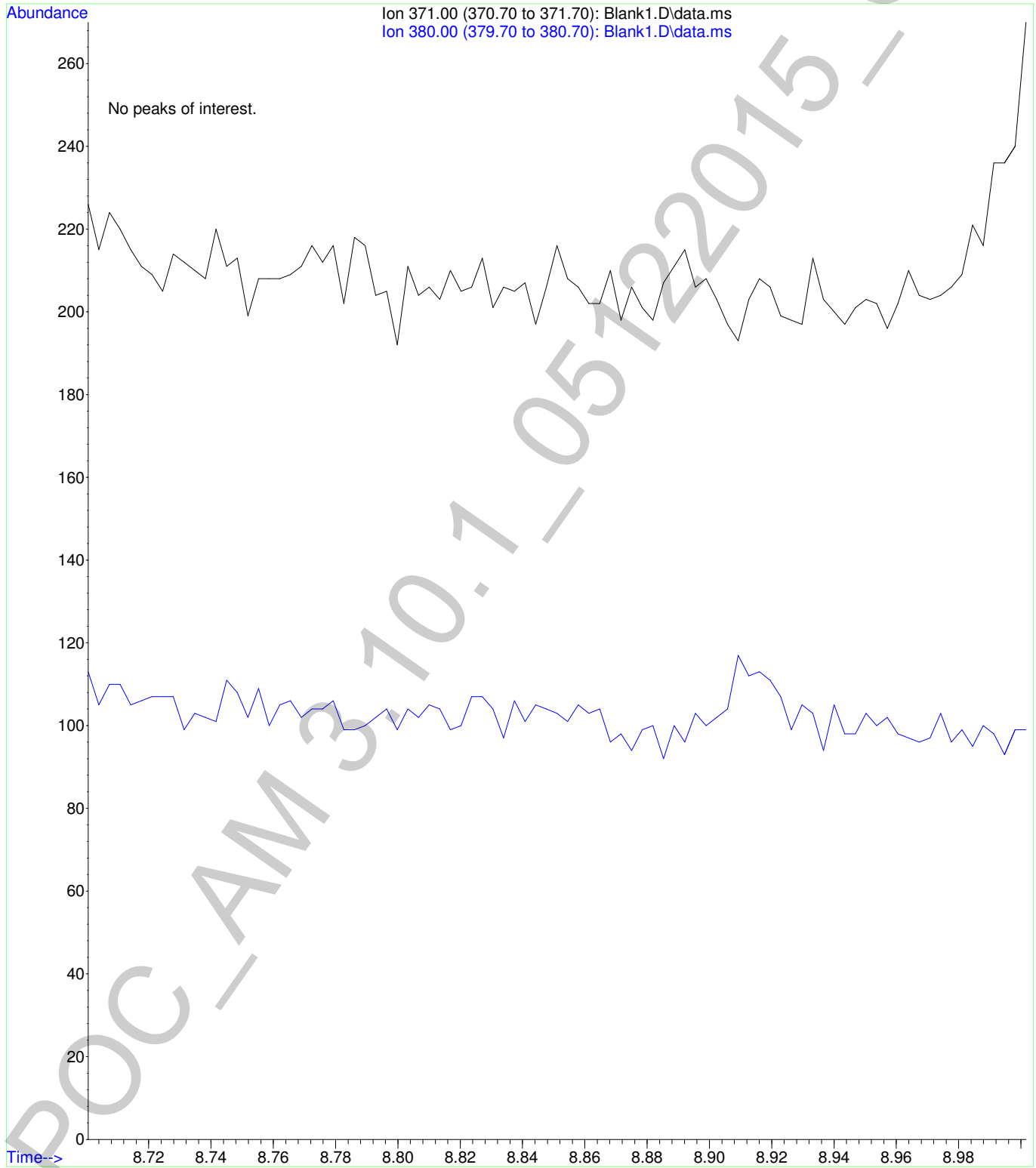
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| | | | |
|-----|----------|----|------------------------|
| | Datafile | | M2015-1152-2 |
| | Method | | CANN-11-10-2010 |
| 17) | Sample | 98 | Blank |
| | Datafile | | Blank4 |
| | Method | | CANN-11-10-2010 |
| 18) | Sample | 8 | Low Control: 6 ng/mL |
| | Datafile | | Low Control-1 |
| | Method | | CANN-11-10-2010 |
| 19) | Sample | 94 | Lab No.: M2015-1353-3 |
| | Datafile | | M2015-1353-3 Blank |
| | Method | | CANN-11-10-2010 |
| 20) | Sample | 12 | Lab No.: M2015-1353-3 |
| | Datafile | | M2015-1353-3 |
| | Method | | CANN-11-10-2010 |
| 21) | Sample | 93 | Lab No.: P2015-1060-1 |
| | Datafile | | P2015-1060-1 Blank |
| | Method | | CANN-11-10-2010 |
| 22) | Sample | 13 | Lab No.: P2015-1060-1 |
| | Datafile | | P2015-1060-1 |
| | Method | | CANN-11-10-2010 |
| 23) | Sample | 92 | Lab No.: P2015-1063-1 |
| | Datafile | | P2015-1063-1 Blank |
| | Method | | CANN-11-10-2010 |
| 24) | Sample | 14 | Lab No.: P2015-1063-1 |
| | Datafile | | P2015-1063-1 |
| | Method | | CANN-11-10-2010 |
| 25) | Sample | 98 | Blank |
| | Datafile | | Blank5 |
| | Method | | CANN-11-10-2010 |
| 26) | Sample | 9 | High Control: 60 ng/mL |
| | Datafile | | High Control-1 |
| | Method | | CANN-11-10-2010 |
| 27) | Sample | 91 | Lab No.: P2015-1064-1 |
| | Datafile | | P2015-1064-1 Blank |
| | Method | | CANN-11-10-2010 |
| 28) | Sample | 15 | Lab No.: P2015-1064-1 |
| | Datafile | | P2015-1064-1 |
| | Method | | CANN-11-10-2010 |
| 29) | Sample | 90 | Lab No.: P2015-1065-1 |
| | Datafile | | P2015-1065-1 Blank |
| | Method | | CANN-11-10-2010 |
| 30) | Sample | 16 | Lab No.: P2015-1065-1 |
| | Datafile | | P2015-1065-1 |
| | Method | | CANN-11-10-2010 |
| 31) | Sample | 89 | Blank |
| | Datafile | | Blank6 |
| | Method | | CANN-11-10-2010 |

Bytes Needed: 2452234 Space on drive C: 4.35093e+011
Sequence Verification Done!

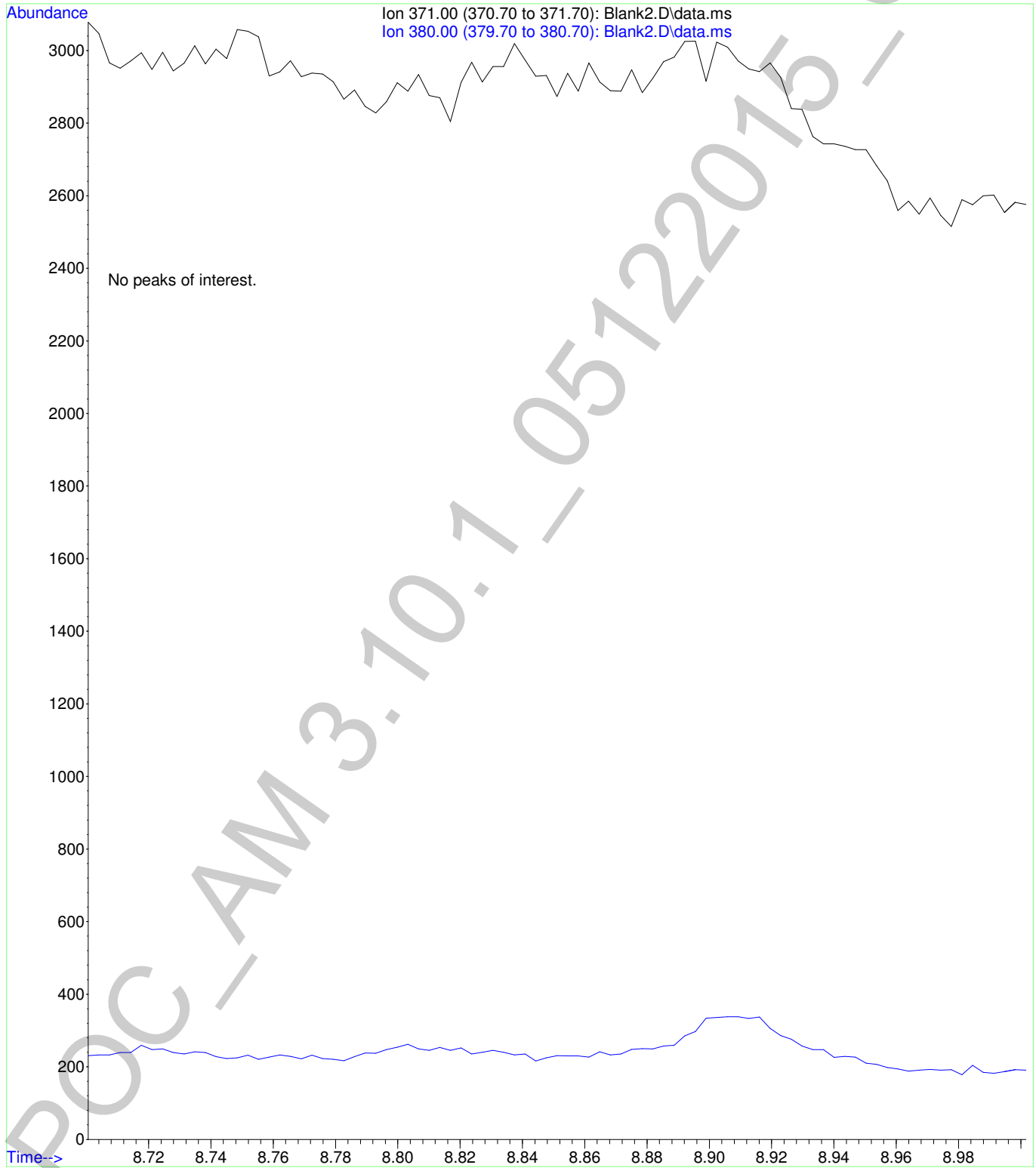
2

File :F:\Data\051215 CANN\Blank1.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 15:23 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: Blank
Misc Info : CHCl3
Vial Number: 100



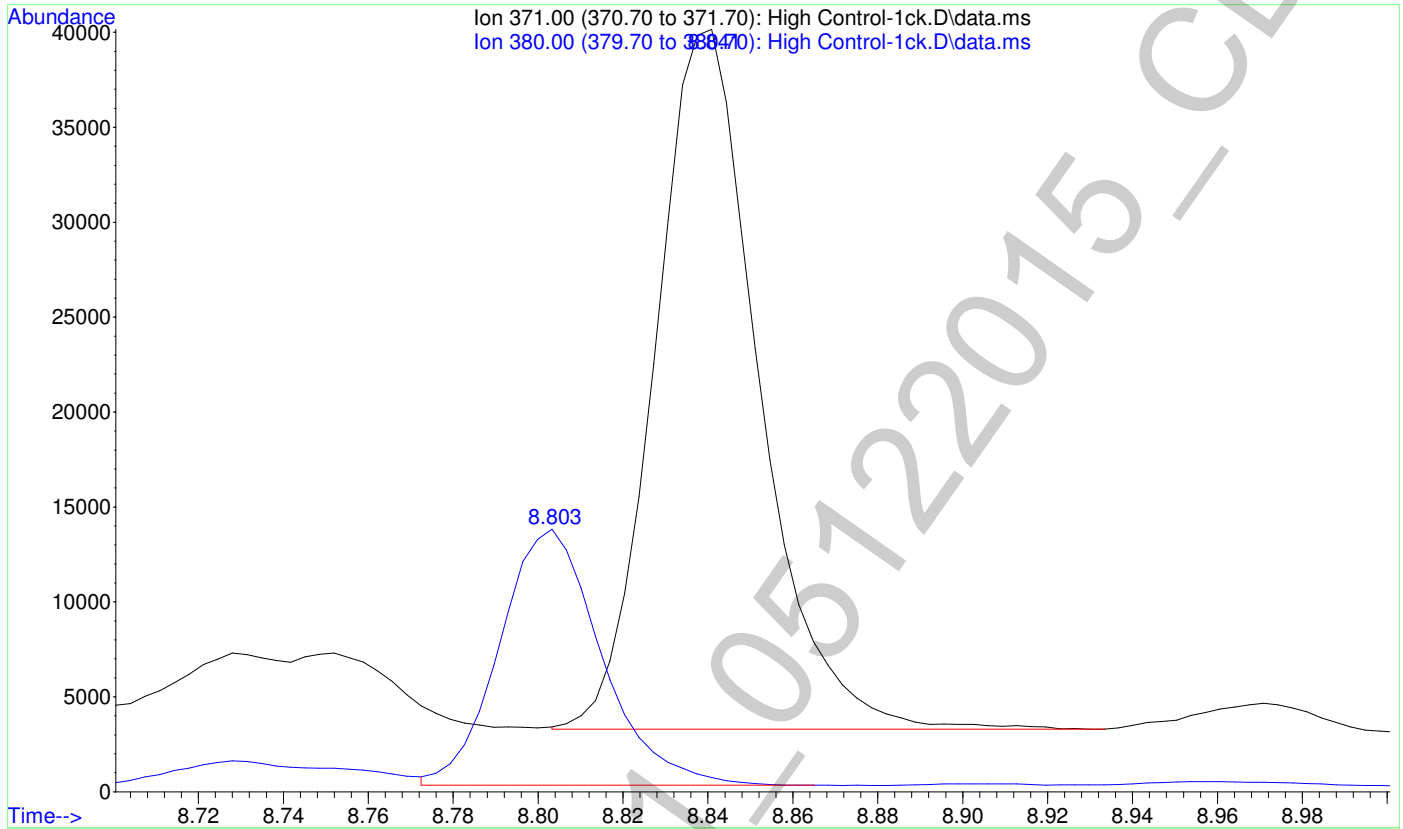
2

File :F:\Data\051215 CANN\Blank2.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 16:07 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: Blank
Misc Info : CHCl3
Vial Number: 99



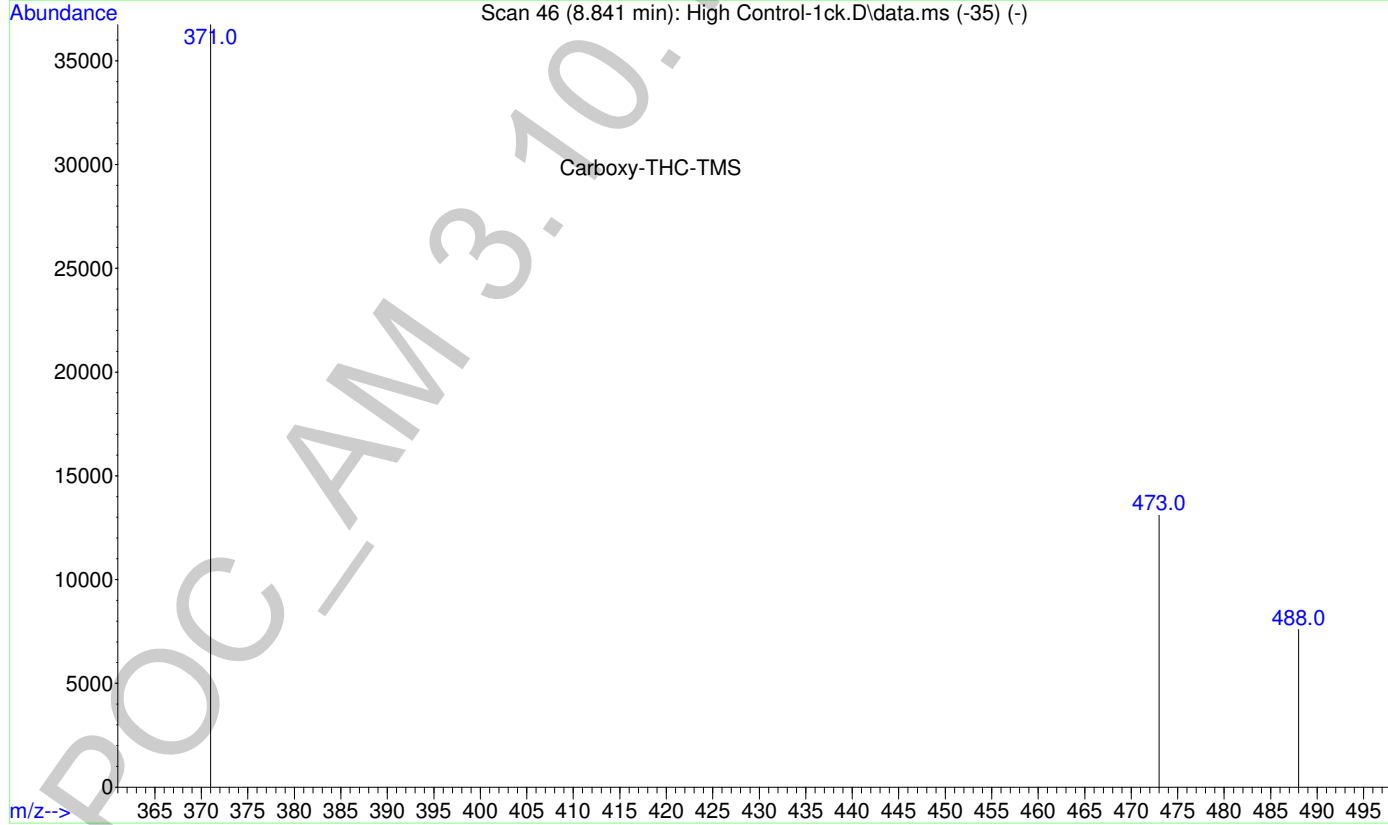
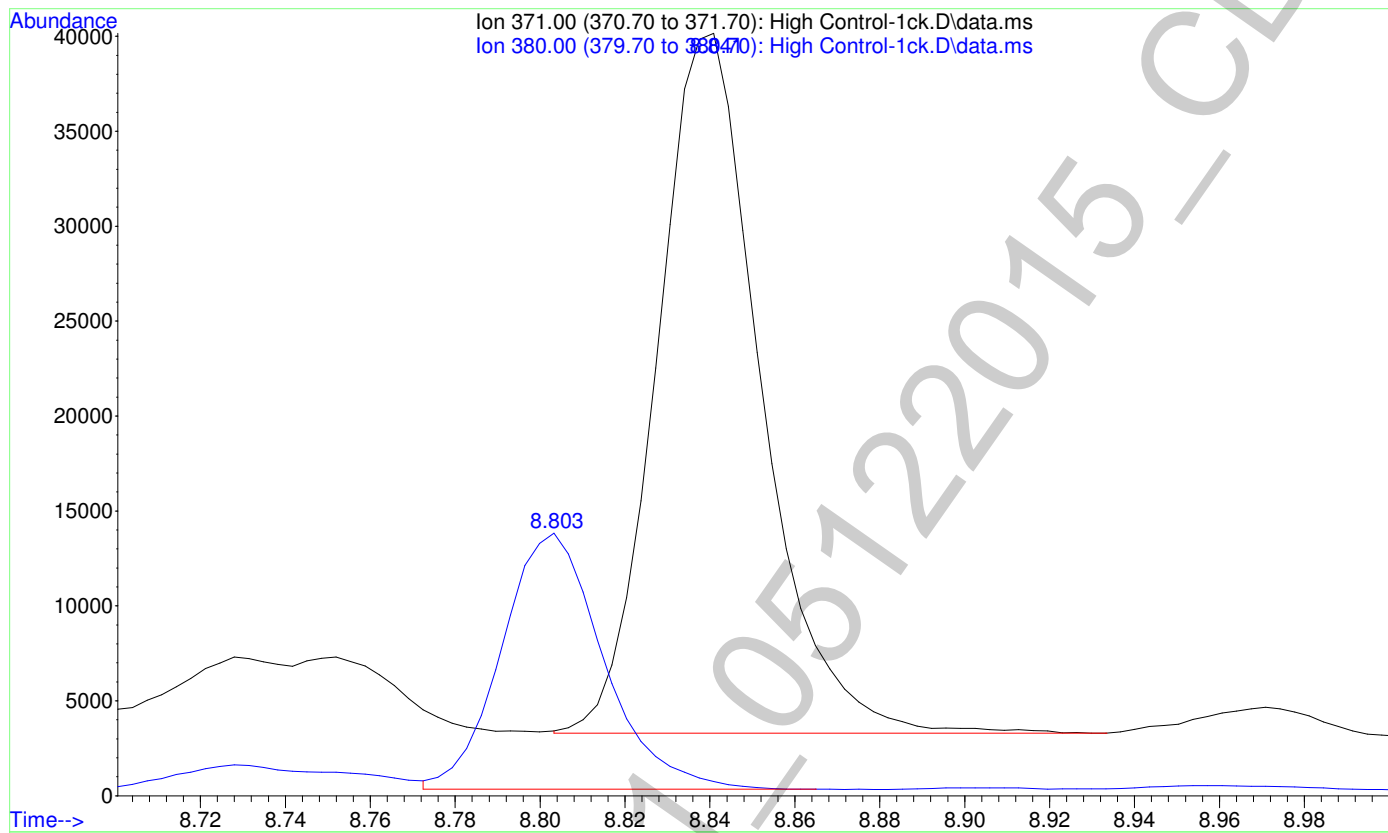
File :F:\Data\051215 CANN\High Control-1ck.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 15:52 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: High Control 60ng/mL
Misc Info : Analytical Method 3.10.1
Vial Number: 9

2



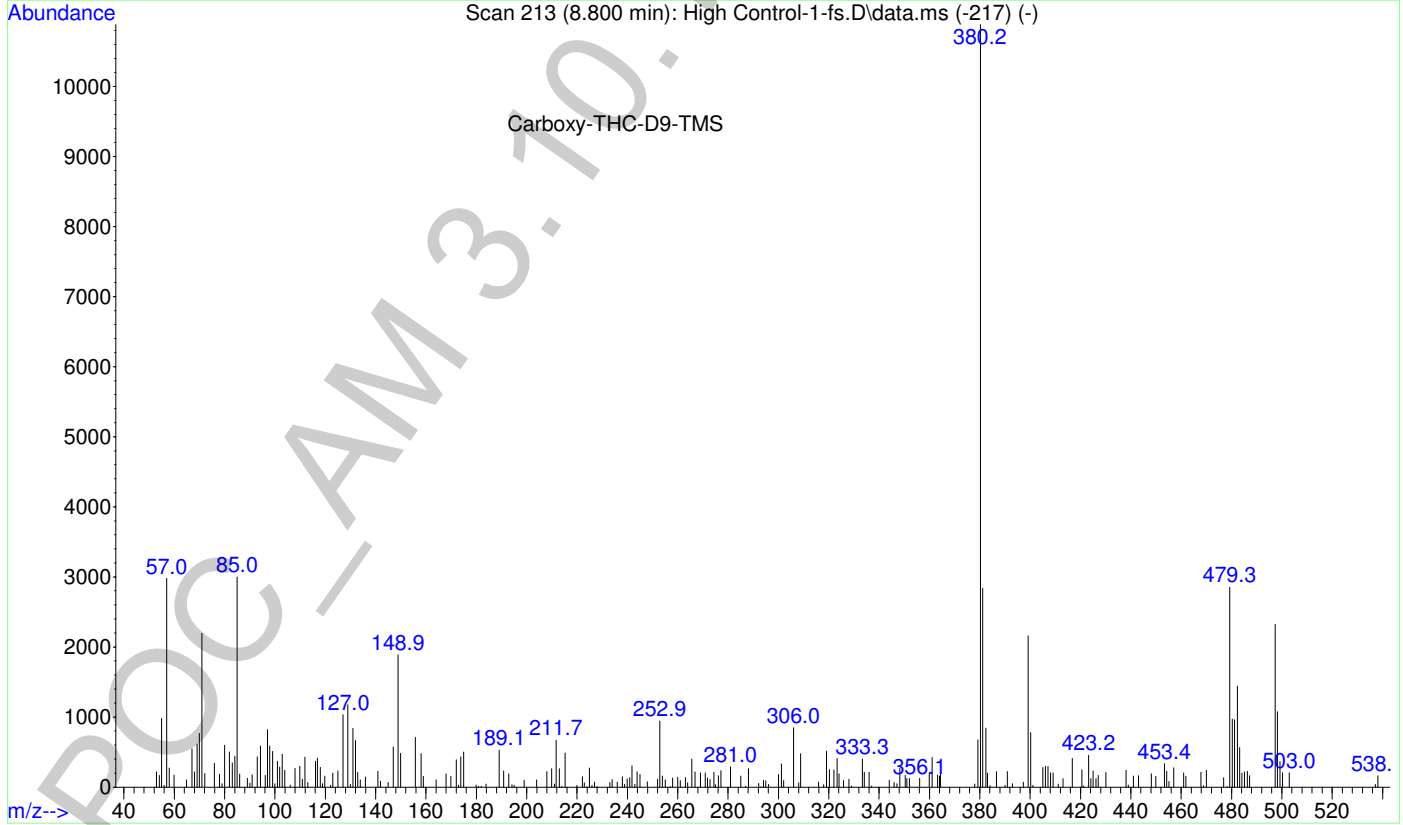
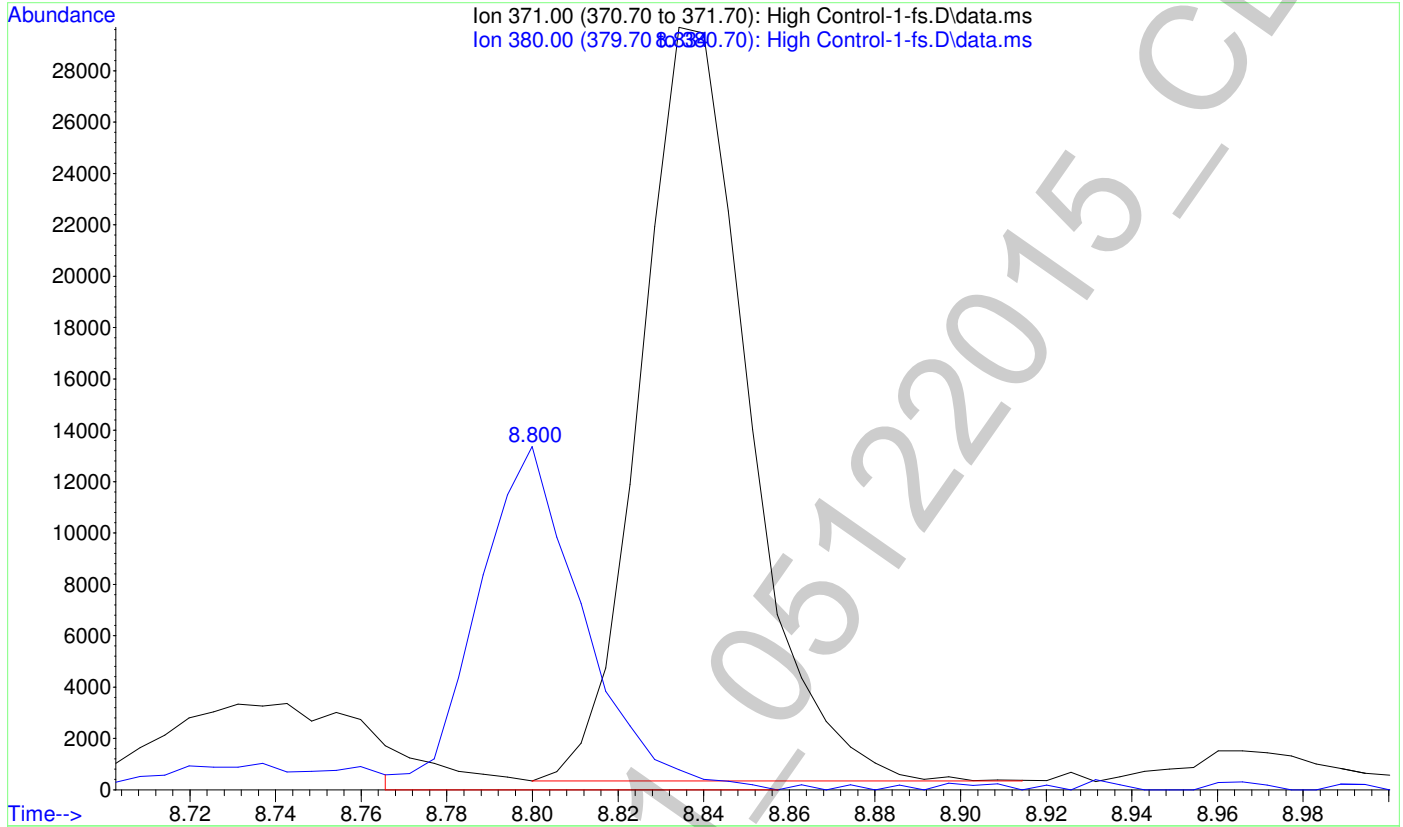
File :F:\Data\051215 CANN\High Control-1ck.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 15:52 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: High Control 60ng/mL
Misc Info : Analytical Method 3.10.1
Vial Number: 9

2



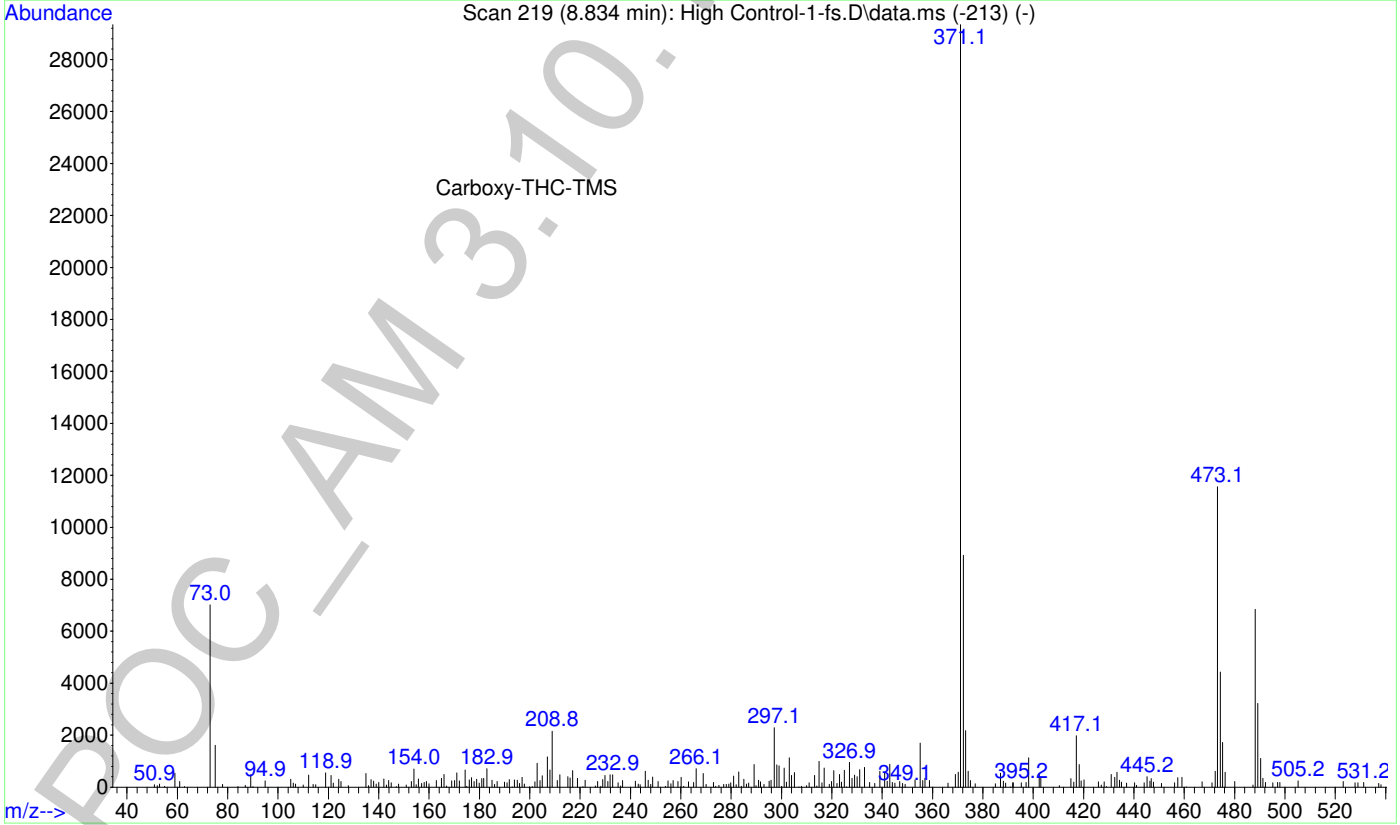
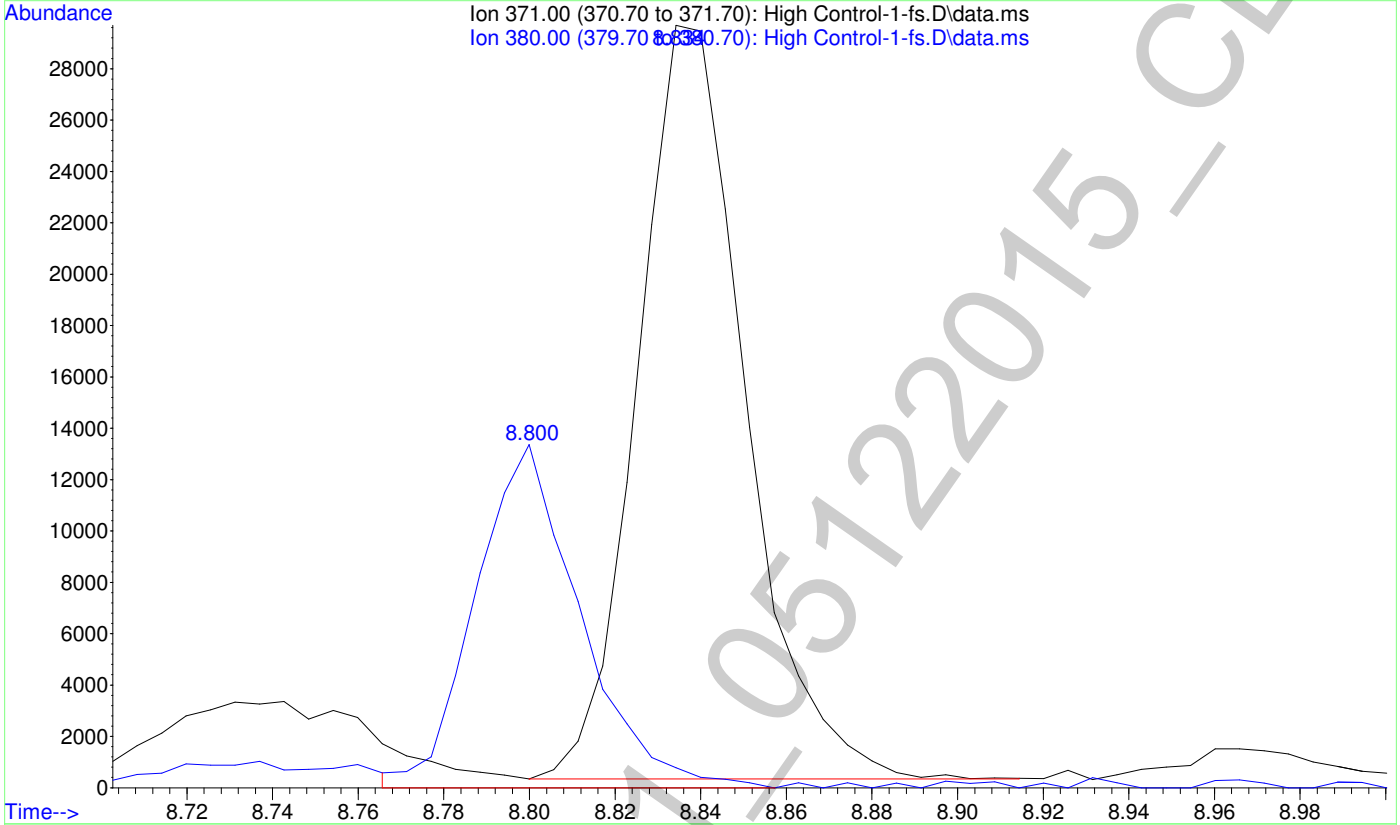
File :F:\Data\051215 CANN\High Control-1-fs.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 15:38 using AcqMethod CANNFS-11-10-2010.M
Instrument : Bones
Sample Name: High Control 60ng/mL
Misc Info : Analytical Method 3.10.1
Vial Number: 9

6



2

File :F:\Data\051215 CANN\High Control-1-fs.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 15:38 using AcqMethod CANNFS-11-10-2010.M
Instrument : Bones
Sample Name: High Control 60ng/mL
Misc Info : Analytical Method 3.10.1
Vial Number: 9



f

| LvLID | Amount (ratio) | Response (ratio) | Data File |
|-------|----------------|------------------|---|
| 3 | 25.0000 | 21911.000000 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 3.D |
| 1 | 25.0000 | 27066.000000 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 1.D |
| 2 | 25.0000 | 23124.000000 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 2.D |
| 4 | 25.0000 | 22301.000000 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 4.D |
| 5 | 25.0000 | 23049.000000 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 5.D |
| 6 | 25.0000 | 26207.000000 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 6.D |

Internal Standard

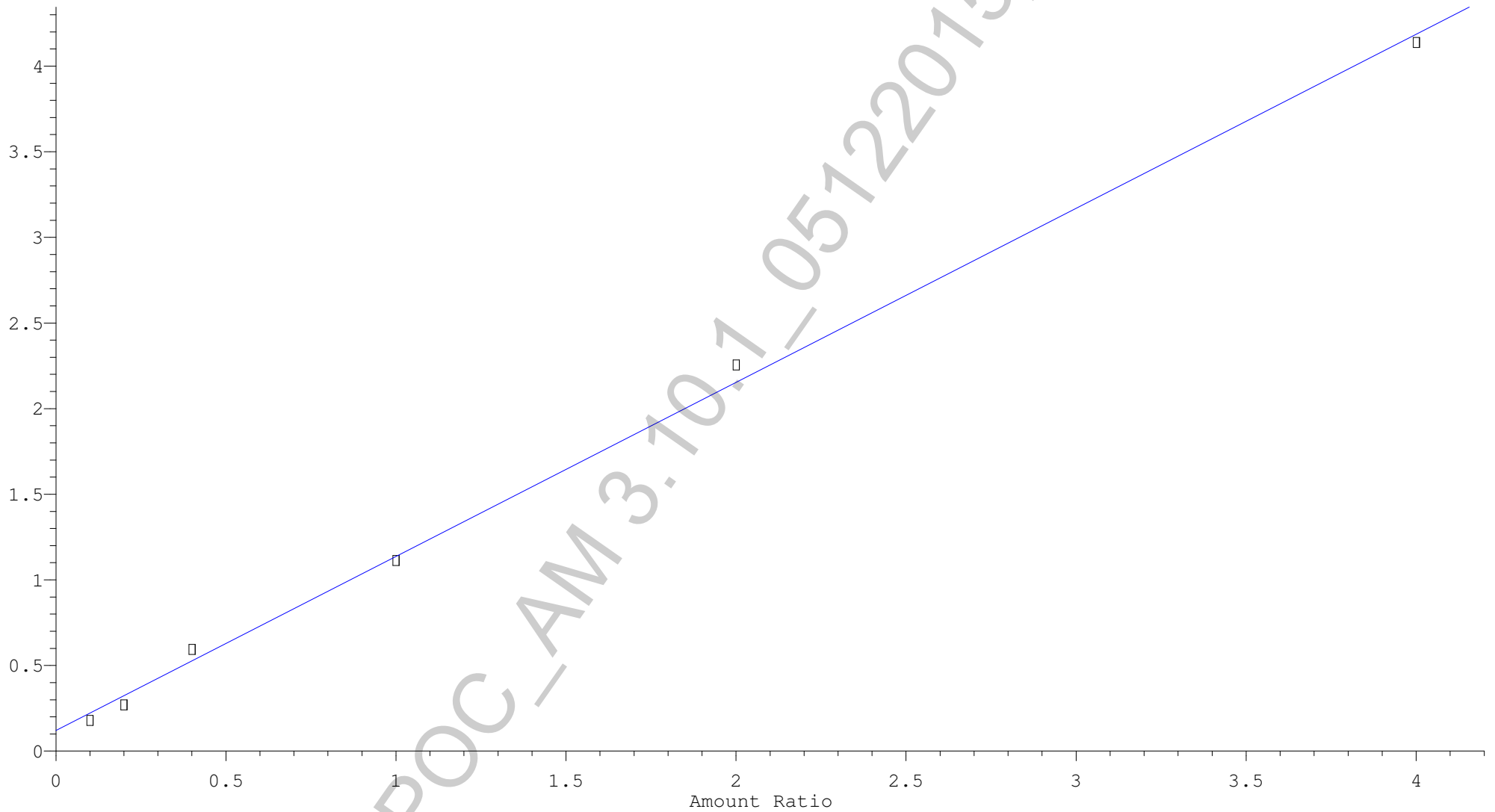
POC_AM 3.10.1_05122015_CDS

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| LvLID | Amount (ratio) | Response (ratio) | bias (%) | Data File |
|-------|----------------|------------------|----------|---|
| 3 | 0.4000 | 0.593720 | 12.71 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 3.D |
| 1 | 0.1000 | 0.179007 | -19.31 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 1.D |
| 2 | 0.2000 | 0.269028 | -16.83 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 2.D |
| 4 | 1.0000 | 1.112775 | -2.09 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 4.D |
| 5 | 2.0000 | 2.255022 | 4.74 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 5.D |
| 6 | 4.0000 | 4.137673 | -1.15 | C:\msdchem\1\data\CDS\2015\051215 CANN\Calibrator Level 6.D |

Response Ratio

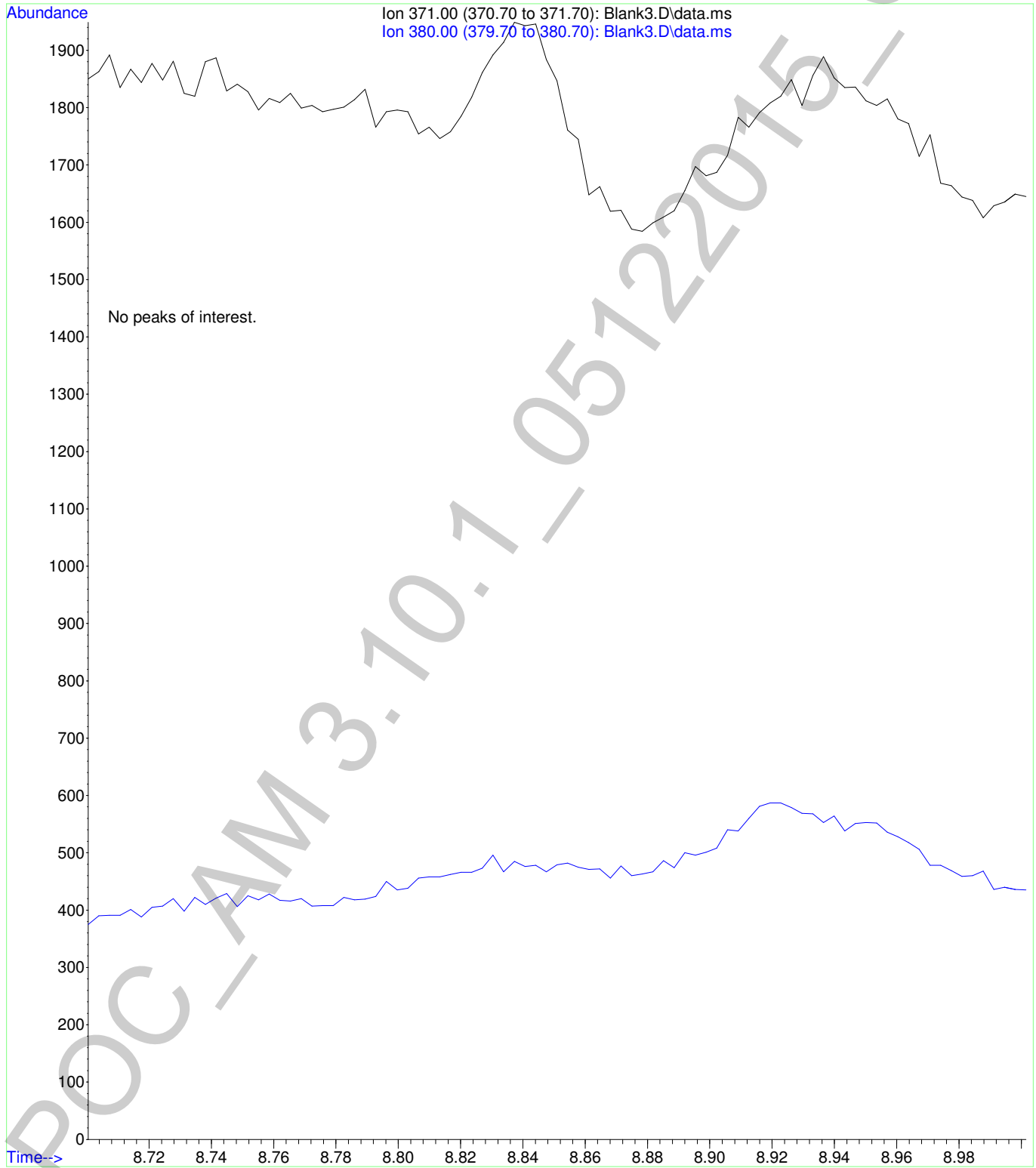
Carboxy-THC-TMS



Resp Ratio = 1.016e+000 * Amt + 1.202e-001
 Coef of Det (r^2) = 0.998 Curve Fit: Linear

2

File :F:\Data\051215 CANN\Blank3.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 18:03 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: Blank
Misc Info : CHCl3
Vial Number: 97



2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Negative Control.D
 Acq On : 12 May 2015 16:21
 Operator : Pocatello Laboratory
 Sample : Negative Control: UTAK Lot B0689
 Misc : Analytical Method 3.10.1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 14:59:27 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-----------|-------|-------------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.800 | 380 | 28185 | 25.00 | ng/mL | -0.01 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.827 | 371 | 1497 | Below Cal | | Qvalue # 55 |

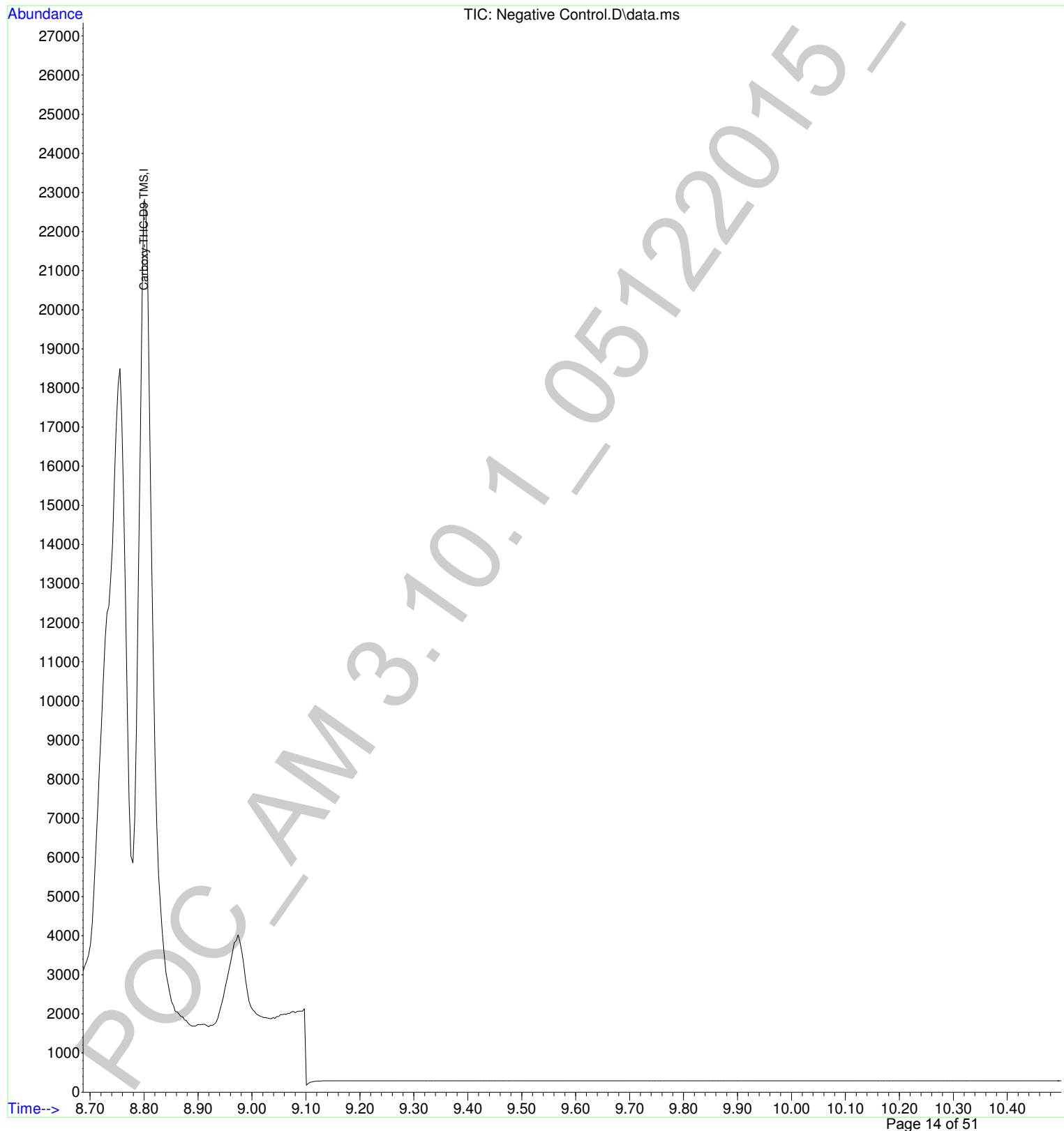
(#) = qualifier out of range (m) = manual integration (+) = signals summed

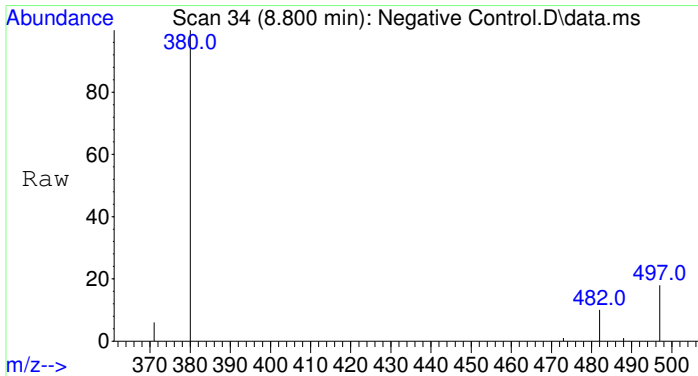
POC_AM 3.10.1_05122015_CDS

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Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Negative Control.D
Acq On : 12 May 2015 16:21
Operator : Pocatello Laboratory
Sample : Negative Control: UTAK Lot B0689
Misc : Analytical Method 3.10.1
ALS Vial : 1 Sample Multiplier: 1

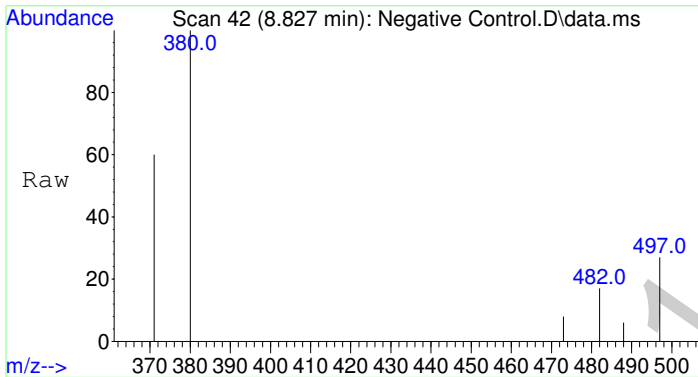
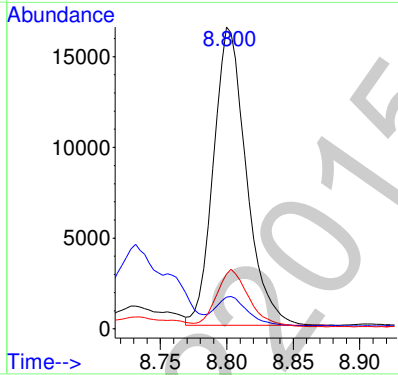
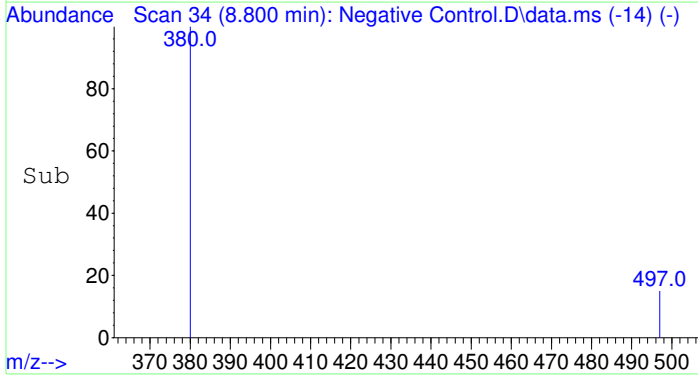
Quant Time: May 13 14:59:27 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration





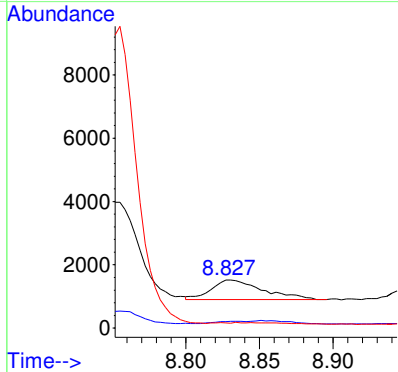
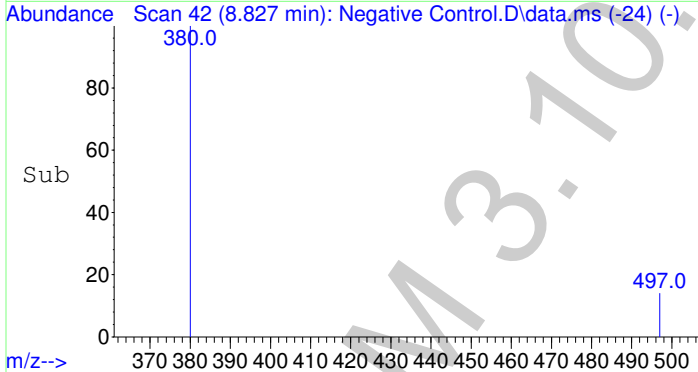
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.800 min Scan# 34
 Delta R.T. -0.010 min
 Lab File: Negative Control.D
 Acq: 12 May 2015 16:21

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 380 | 100 | | |
| 482 | 9.7 | 7.7 | 11.5 |
| 497 | 19.0 | 14.9 | 22.3 |



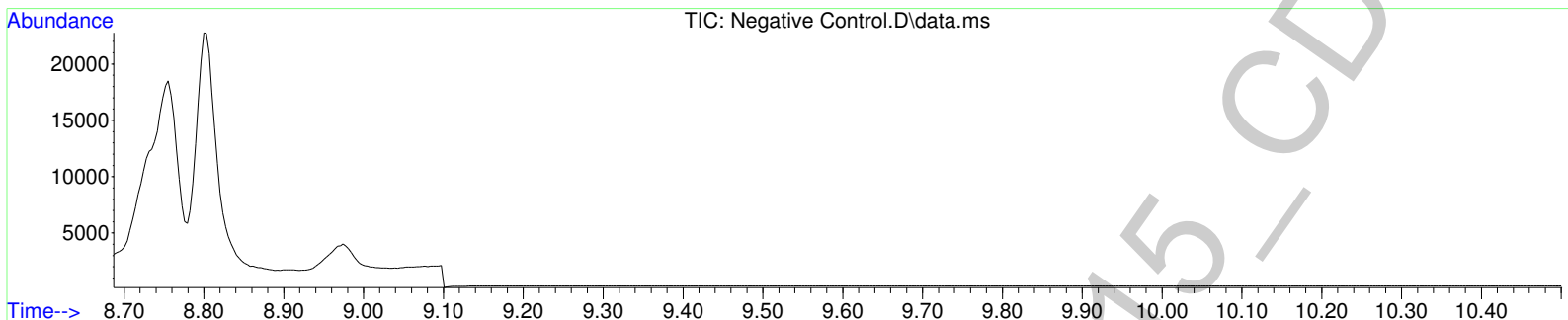
#2
 Carboxy-THC-TMS
 Concen: Below Cal
 RT: 8.827 min Scan# 42
 Delta R.T. -0.017 min
 Lab File: Negative Control.D
 Acq: 12 May 2015 16:21

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 371 | 100 | | |
| 473 | 7.1 | 27.0 | 40.4# |
| 488 | 0.0 | 15.8 | 23.8# |



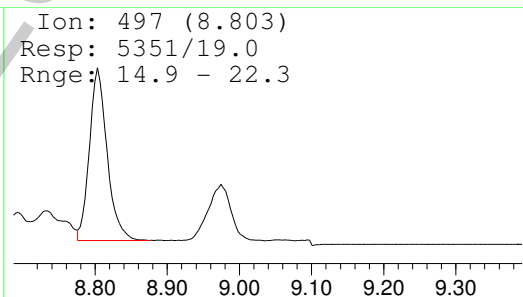
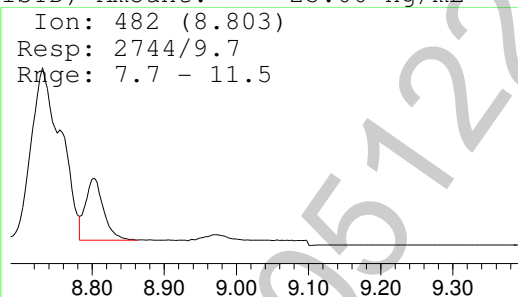
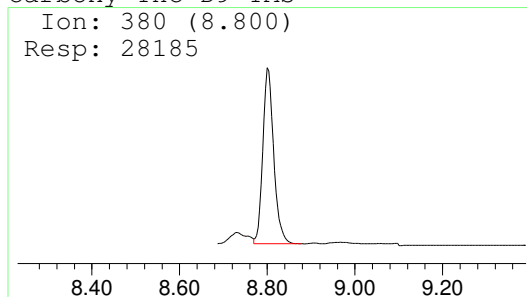
g

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Negative Control.D
Acq On : 12 May 2015 16:21
Operator : Pocatello Laboratory
Sample : Negative Control: UTAK Lot B0689
Misc : Analytical Method 3.10.1
ALS Vial : 1 Sample Multiplier: 1



Carboxy-THC-D9-TMS

(ISTD) Amount: 25.00 ng/mL



POC_AM 3.10.1_05122015_CDS

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Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Calibrator Level 1.D
 Acq On : 12 May 2015 16:36
 Operator : Pocatello Laboratory
 Sample : Calibrator Level 1: 2.5 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 14:50:50 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|-------|----------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.803 | 380 | 27066 | 25.00 | ng/mL | 0.00 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.841 | 371 | 4845 | 1.45 | ng/mL | * 90 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

*Quantity below 20% target but qualifier ions are within range. For qualitative purposes only.----- For qualitative purposes only.

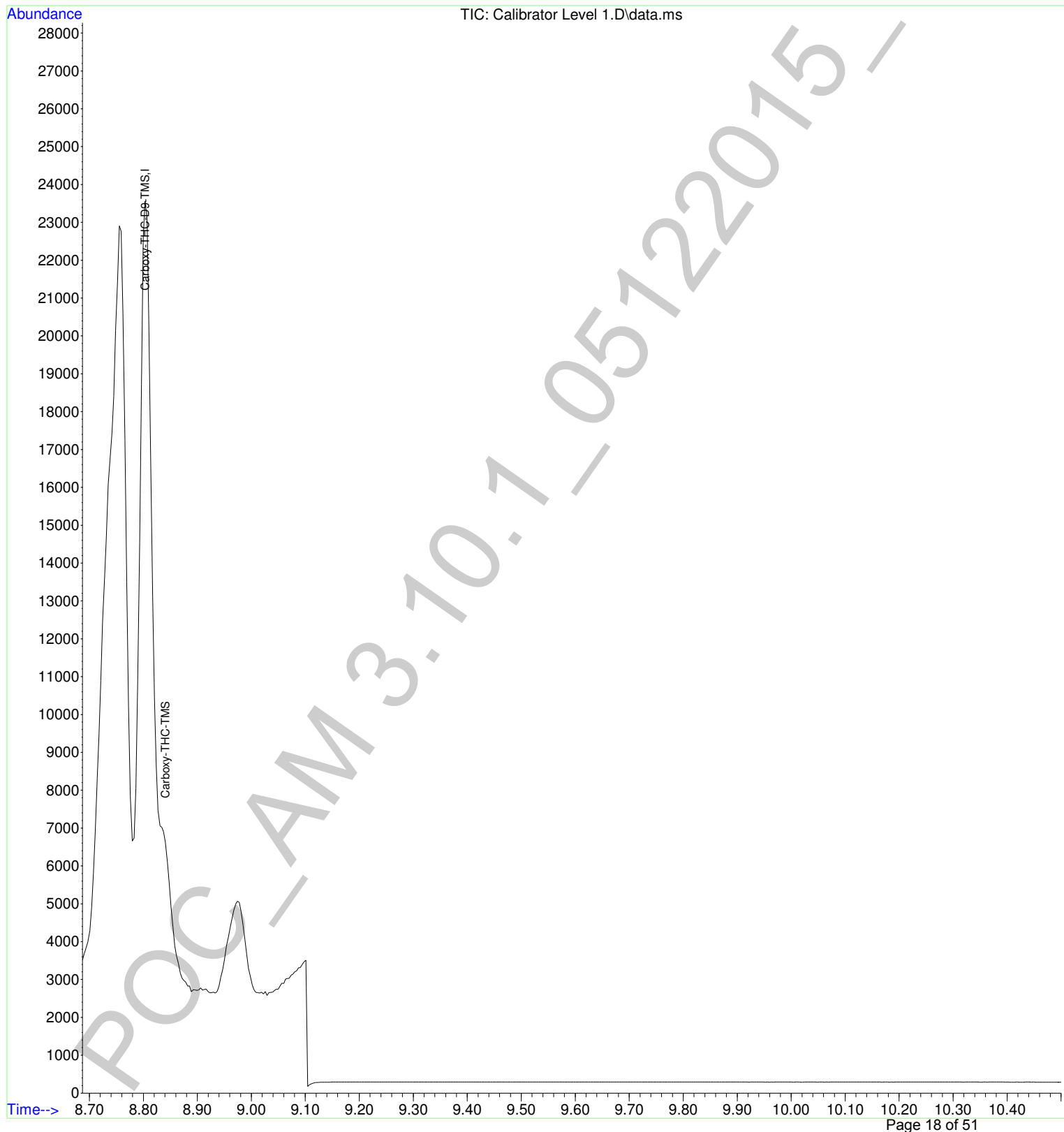
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POC_AM 3.10.1_05122015_CDS

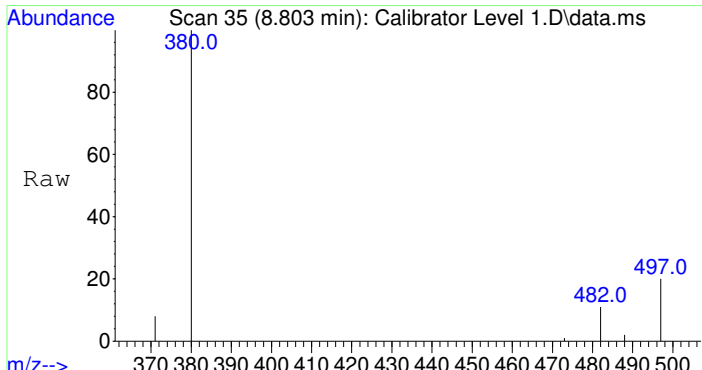
2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 1.D
Acq On : 12 May 2015 16:36
Operator : Pocatello Laboratory
Sample : Calibrator Level 1: 2.5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 14:50:50 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration

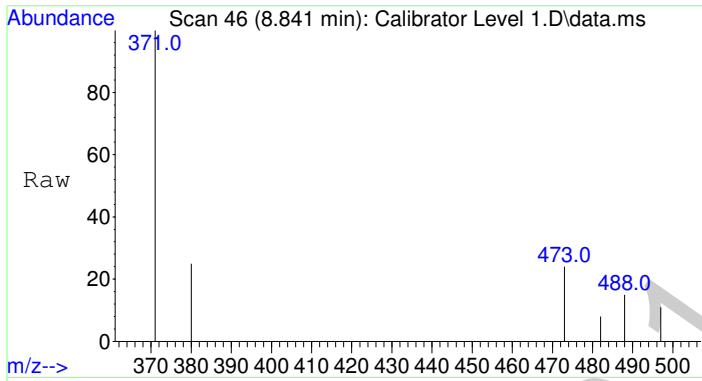
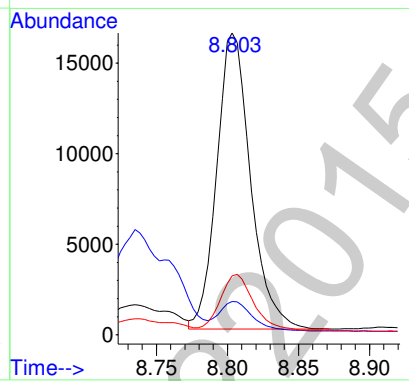
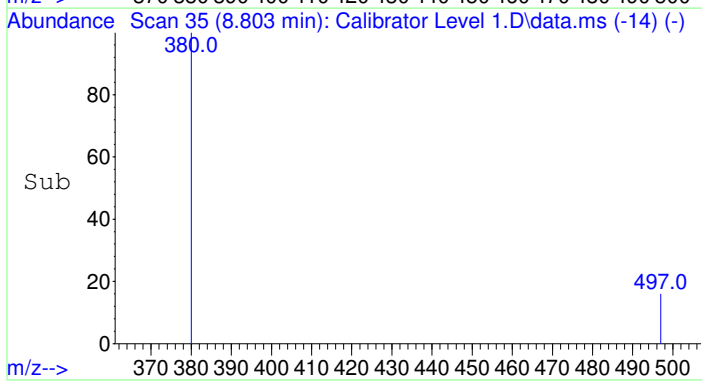


6



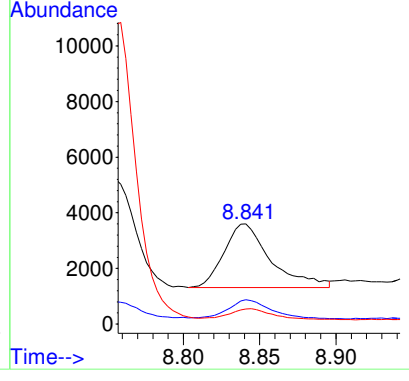
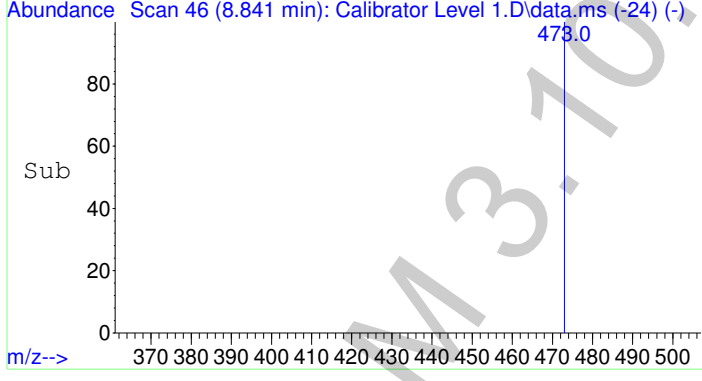
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.803 min Scan# 35
 Delta R.T. -0.007 min
 Lab File: Calibrator Level 1.D
 Acq: 12 May 2015 16:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 380 | 100 | | |
| 482 | 9.9 | 7.7 | 11.5 |
| 497 | 18.6 | 14.9 | 22.3 |



#2
 Carboxy-THC-TMS
 Concen: 1.45 ng/mL
 RT: 8.841 min Scan# 46
 Delta R.T. -0.003 min
 Lab File: Calibrator Level 1.D
 Acq: 12 May 2015 16:36

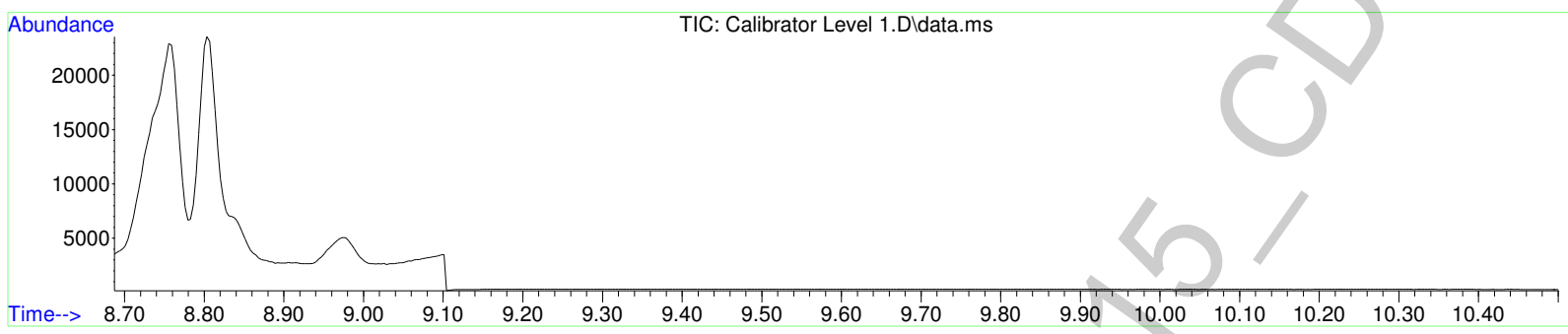
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 371 | 100 | | |
| 473 | 27.5 | 27.0 | 40.4 |
| 488 | 16.2 | 15.8 | 23.8 |



Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 1.D
Acq On : 12 May 2015 16:36
Operator : Pocatello Laboratory
Sample : Calibrator Level 1: 2.5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 2 Sample Multiplier: 1

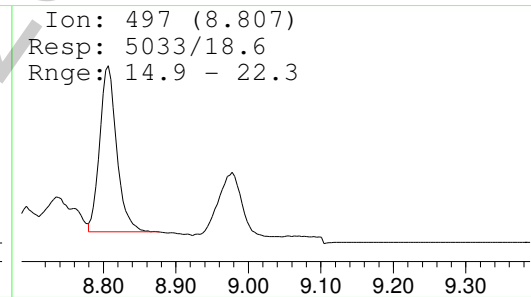
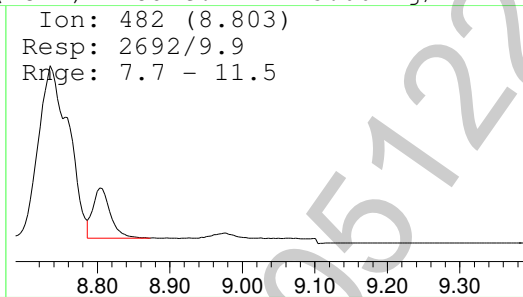
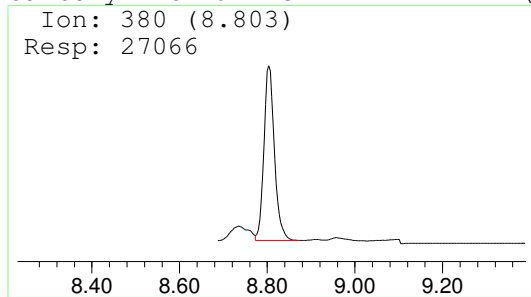
2

CDS



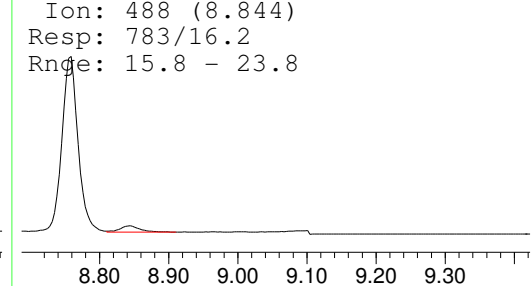
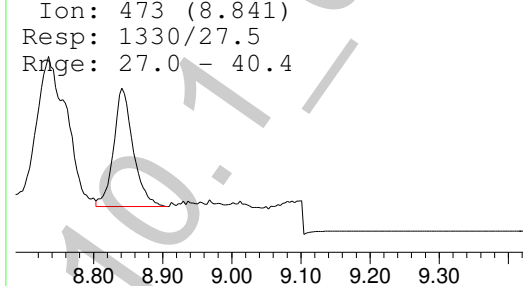
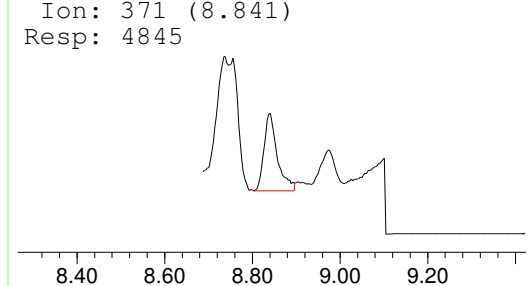
Carboxy-THC-D9-TMS

(ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS

Amount: 1.45 ng/mL



POC_AM 3.10.1

g

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Calibrator Level 2.D
 Acq On : 12 May 2015 16:51
 Operator : Pocatello Laboratory
 Sample : Calibrator Level 2: 5 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 14:52:58 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|---------|--------------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.807 | 380 | 23124 | 25.00 | ng/mL | 0.00 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.841 | 371 | 6221 | 3.66 | ng/mL * | Qvalue 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

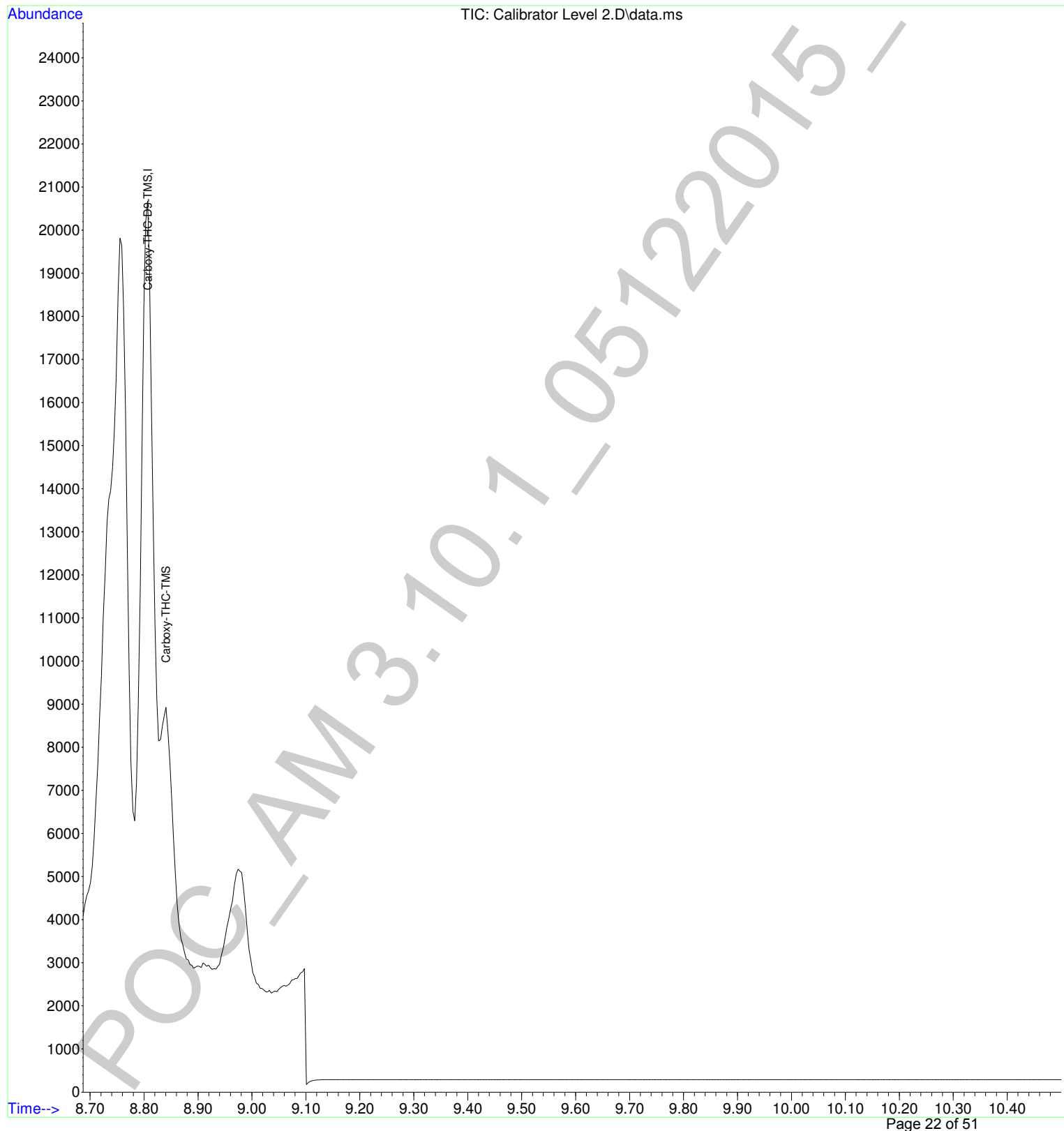
~~*Qualifier ions are not out, however, integration is incomplete. Refer to manual integration.~~ g
 *Quantity below 20% target but qualifier ions are within range. Use for qualitative purposes only. 5-21-15

POC_AM 3.10.1_05122015_CDS

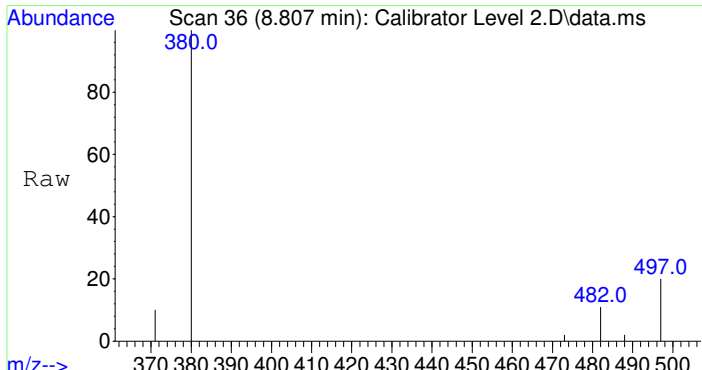
6

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 2.D
Acq On : 12 May 2015 16:51
Operator : Pocatello Laboratory
Sample : Calibrator Level 2: 5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 14:52:58 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration

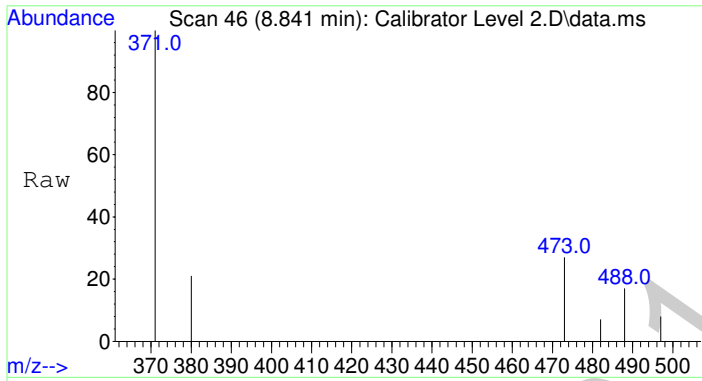
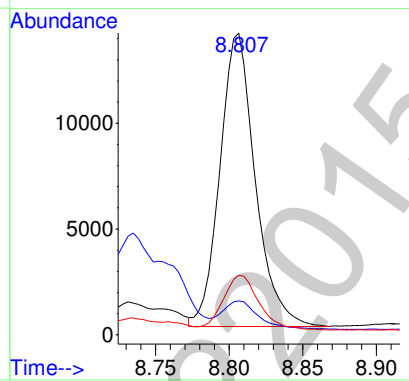
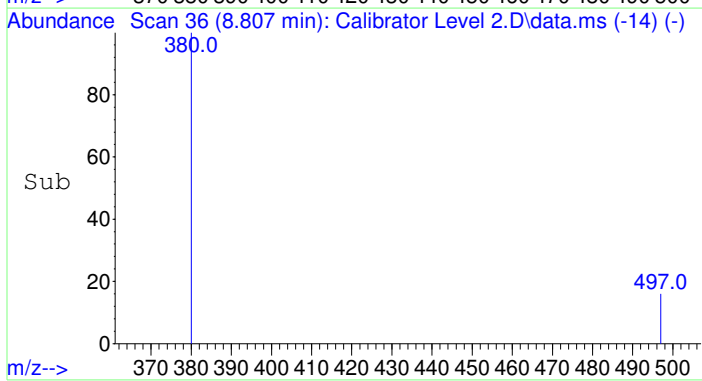


2



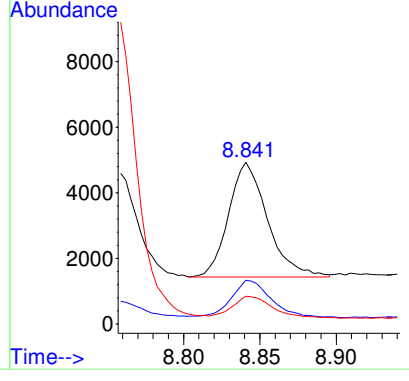
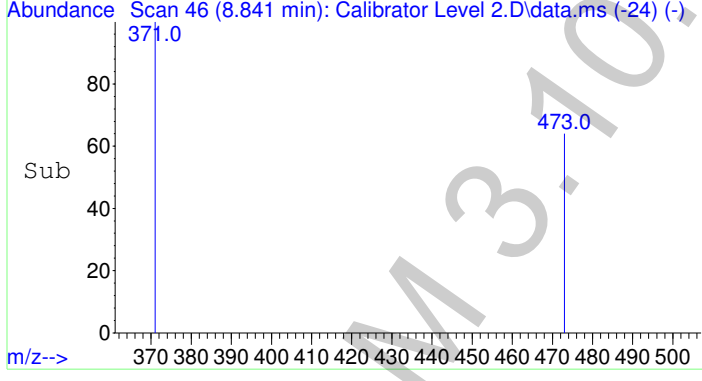
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.807 min Scan# 36
 Delta R.T. -0.003 min
 Lab File: Calibrator Level 2.D
 Acq: 12 May 2015 16:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|-------|-------|-------|
| 380 | 100 | 23124 | | |
| 482 | 10.2 | 7.7 | 11.5 | |
| 497 | 18.9 | 14.9 | 22.3 | |



#2
 Carboxy-THC-TMS
 Concen: 3.66 ng/mL
 RT: 8.841 min Scan# 46
 Delta R.T. -0.003 min
 Lab File: Calibrator Level 2.D
 Acq: 12 May 2015 16:51

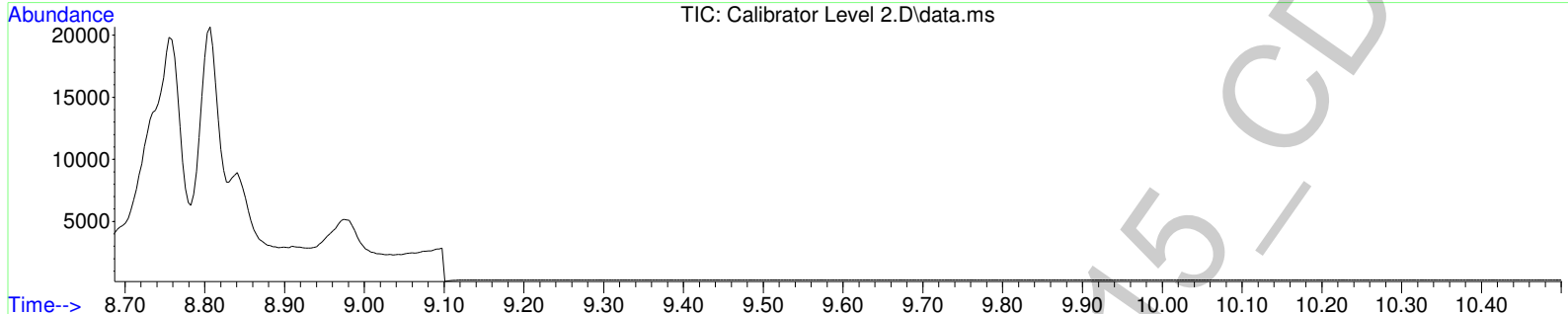
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 371 | 100 | 6221 | | |
| 473 | 33.3 | 27.0 | 40.4 | |
| 488 | 20.1 | 15.8 | 23.8 | |



POC-AM 370-2015-CDS

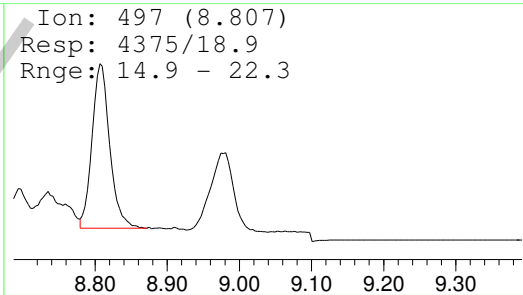
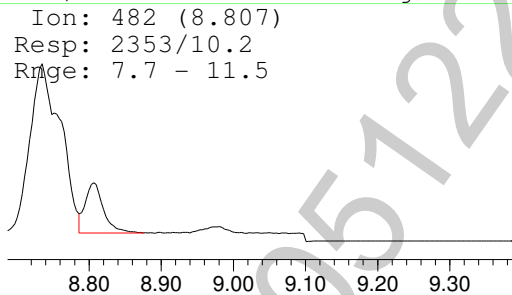
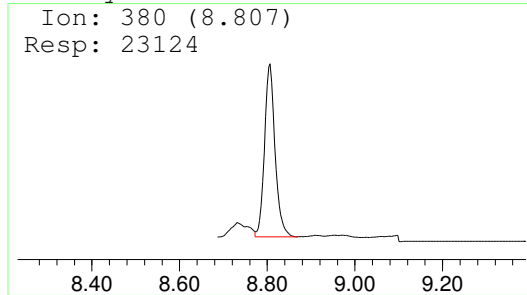
Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 2.D
Acq On : 12 May 2015 16:51
Operator : Pocatello Laboratory
Sample : Calibrator Level 2: 5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 3 Sample Multiplier: 1

2



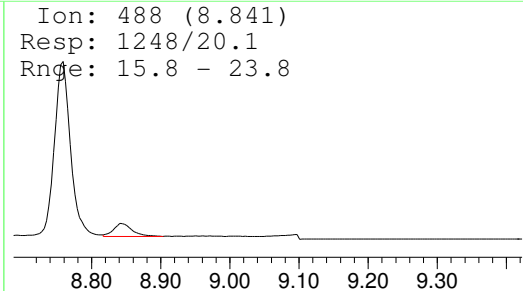
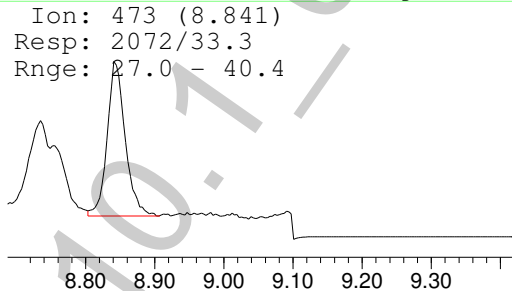
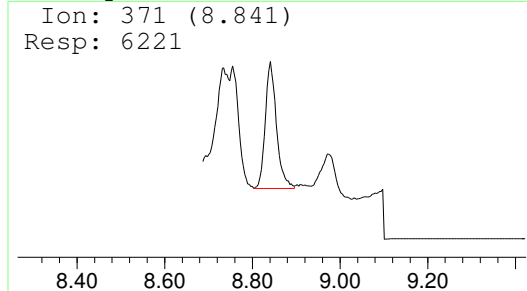
Carboxy-THC-D9-TMS

(ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS

Amount: 3.66 ng/mL



POC_AM 3.10.1

2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Calibrator Level 3.D
 Acq On : 12 May 2015 17:05
 Operator : Pocatello Laboratory
 Sample : Calibrator Level 3: 10 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 14:54:31 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|-------|----------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.806 | 380 | 21911 | 25.00 | ng/mL | 0.00 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.844 | 371 | 13070 | 11.72 | ng/mL | 92 |

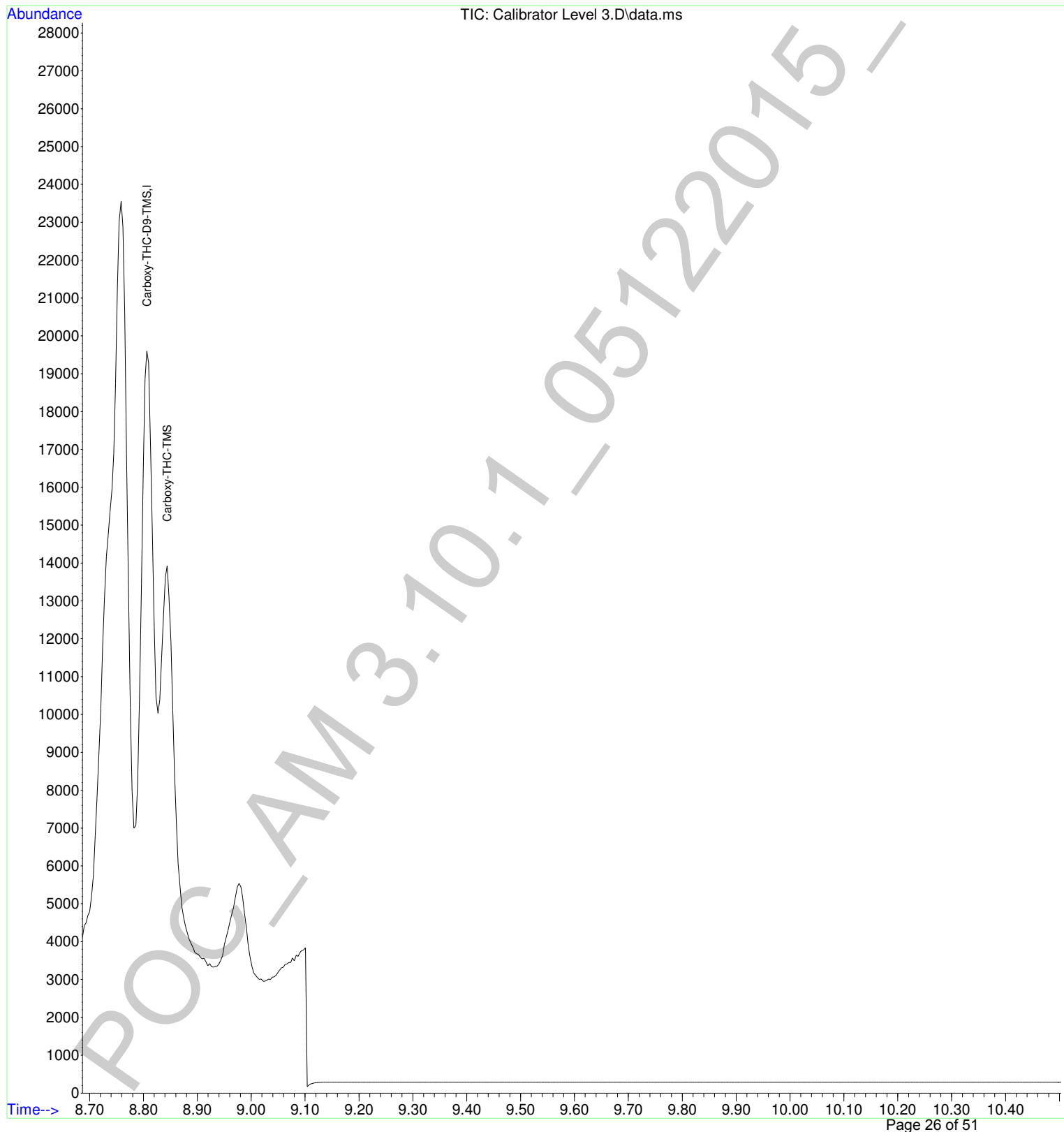
(#) = qualifier out of range (m) = manual integration (+) = signals summed

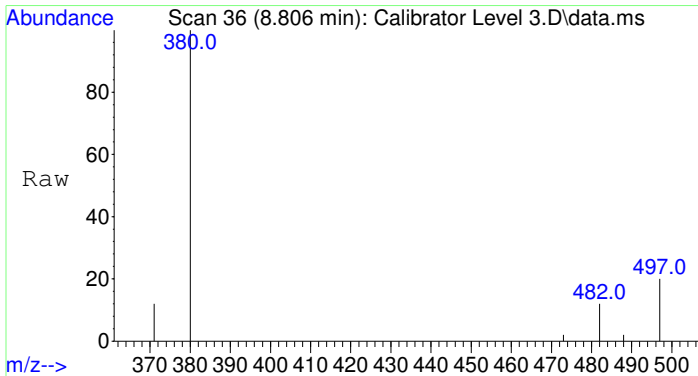
POC_AM 3.10.1_05122015_CDS

2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 3.D
Acq On : 12 May 2015 17:05
Operator : Pocatello Laboratory
Sample : Calibrator Level 3: 10 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 4 Sample Multiplier: 1

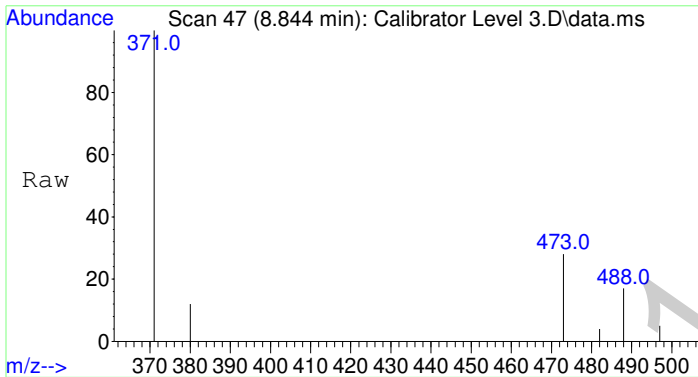
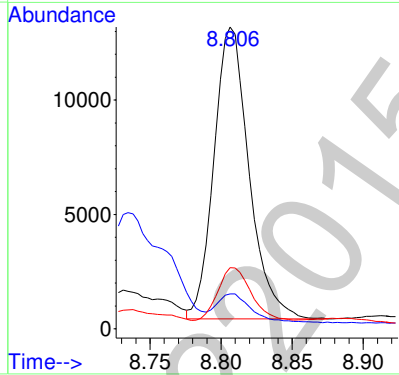
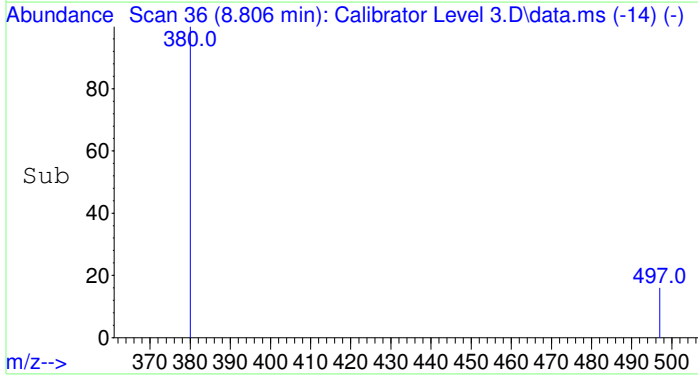
Quant Time: May 13 14:54:31 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration





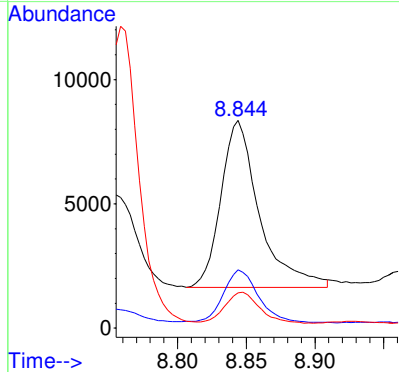
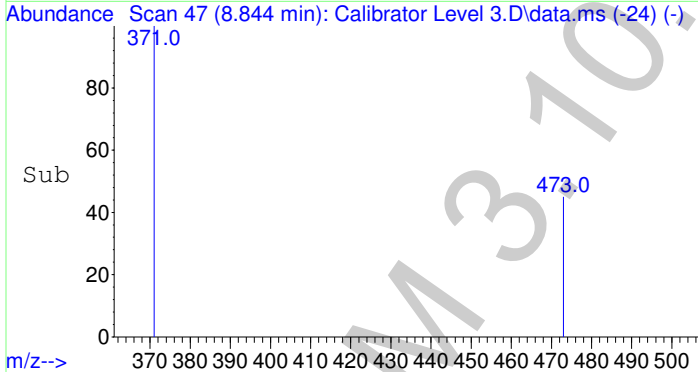
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.806 min Scan# 36
 Delta R.T. -0.004 min
 Lab File: Calibrator Level 3.D
 Acq: 12 May 2015 17:05

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 380 | 100 | | |
| 482 | 9.8 | 7.7 | 11.5 |
| 497 | 17.0 | 14.9 | 22.3 |



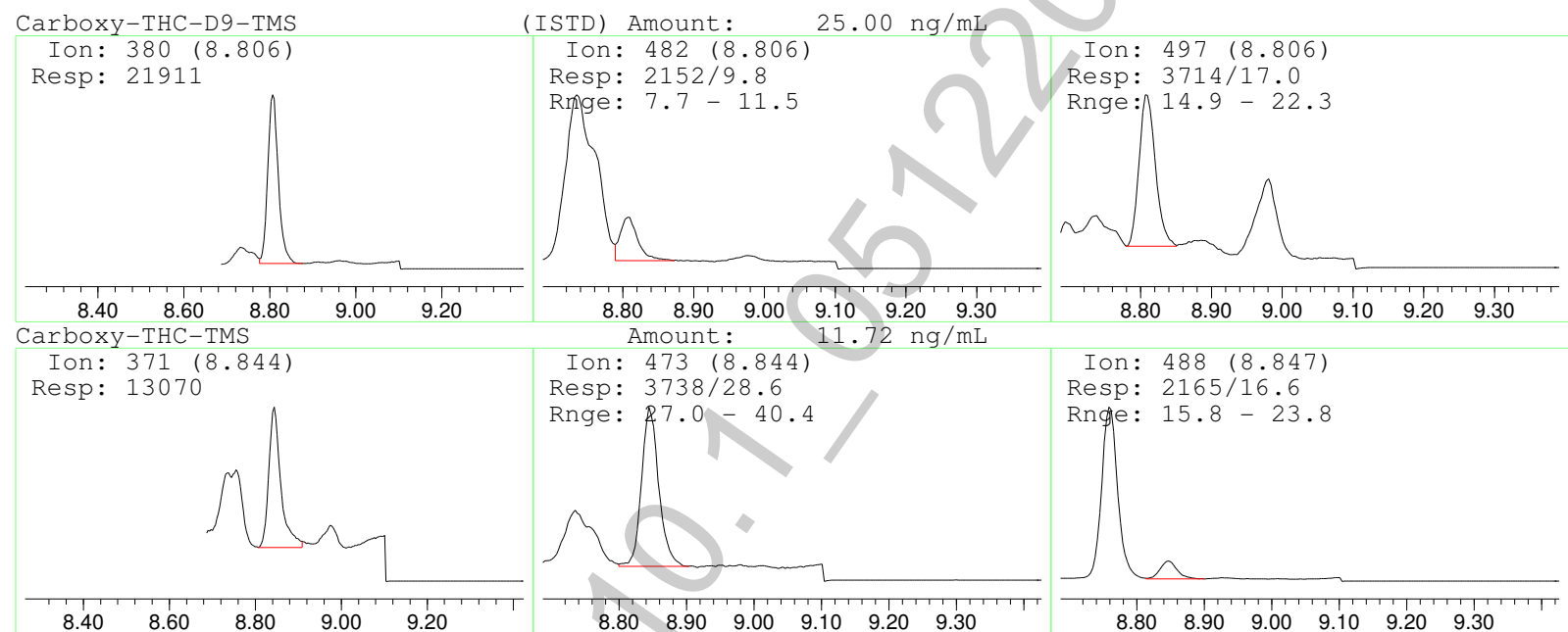
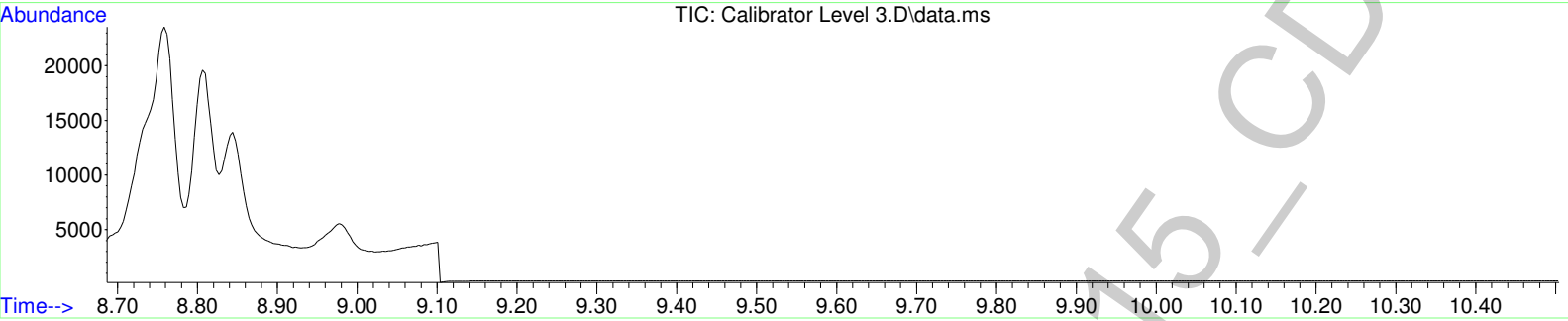
#2
 Carboxy-THC-TMS
 Concen: 11.72 ng/mL
 RT: 8.844 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: Calibrator Level 3.D
 Acq: 12 May 2015 17:05

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 371 | 100 | | |
| 473 | 28.6 | 27.0 | 40.4 |
| 488 | 16.6 | 15.8 | 23.8 |



Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 3.D
Acq On : 12 May 2015 17:05
Operator : Pocatello Laboratory
Sample : Calibrator Level 3: 10 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 4 Sample Multiplier: 1

2



POC_AM 3.10.1

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Calibrator Level 4.D
 Acq On : 12 May 2015 17:20
 Operator : Pocatello Laboratory
 Sample : Calibrator Level 4: 25 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 14:55:06 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|-------|----------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.807 | 380 | 22301 | 25.00 | ng/mL | 0.00 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.844 | 371 | 24816 | 24.41 | ng/mL | 100 |

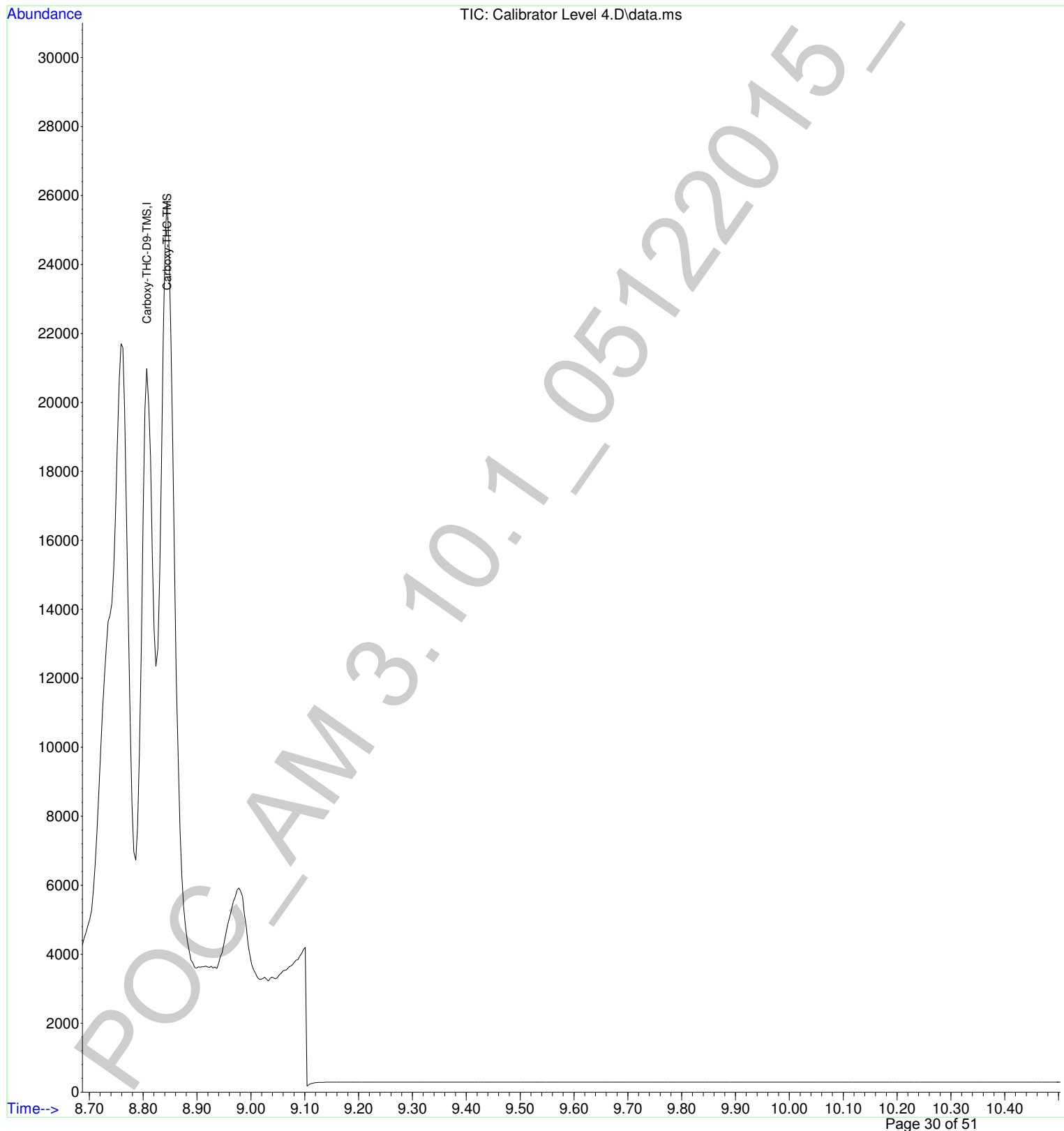
(#) = qualifier out of range (m) = manual integration (+) = signals summed

POC_AM 3.10.1_05122015_CDS

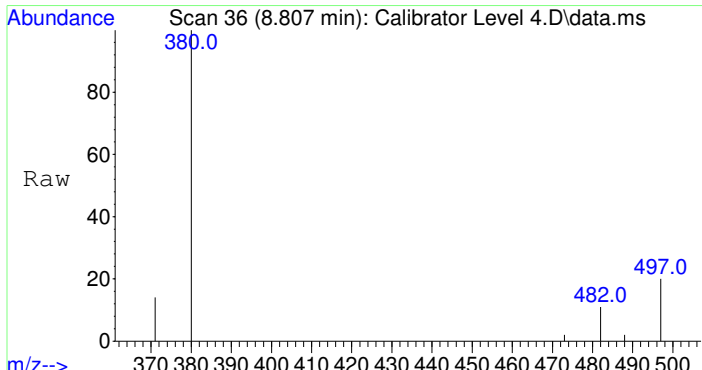
2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 4.D
Acq On : 12 May 2015 17:20
Operator : Pocatello Laboratory
Sample : Calibrator Level 4: 25 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 14:55:06 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration

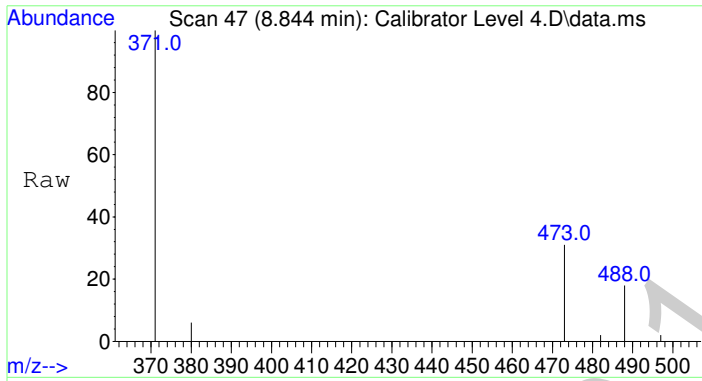
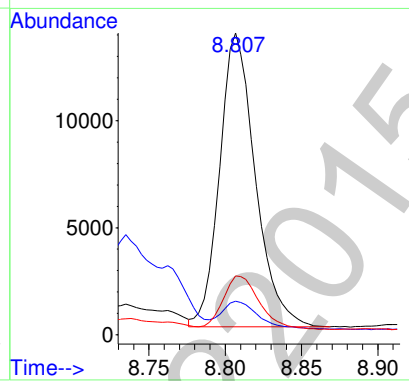
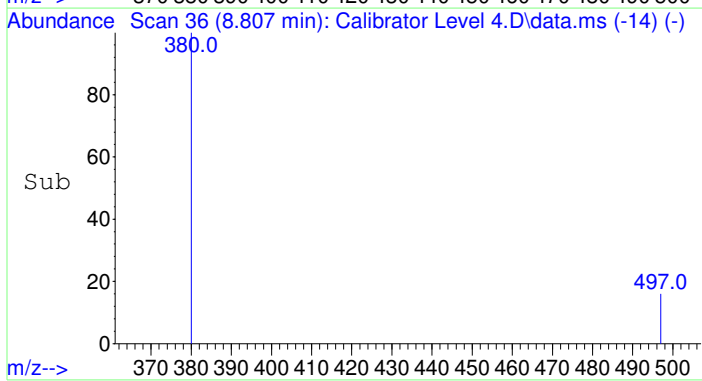


2



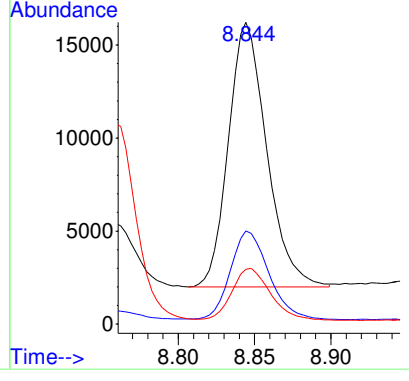
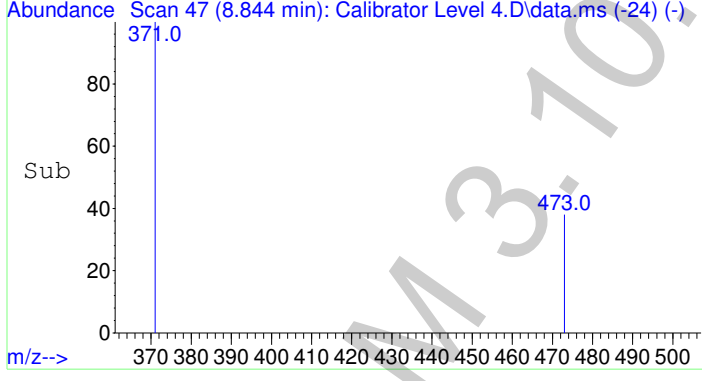
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.807 min Scan# 36
 Delta R.T. -0.003 min
 Lab File: Calibrator Level 4.D
 Acq: 12 May 2015 17:20

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 380 | 100 | | |
| 482 | 9.7 | 7.7 | 11.5 |
| 497 | 18.6 | 14.9 | 22.3 |



#2
 Carboxy-THC-TMS
 Concen: 24.41 ng/mL
 RT: 8.844 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: Calibrator Level 4.D
 Acq: 12 May 2015 17:20

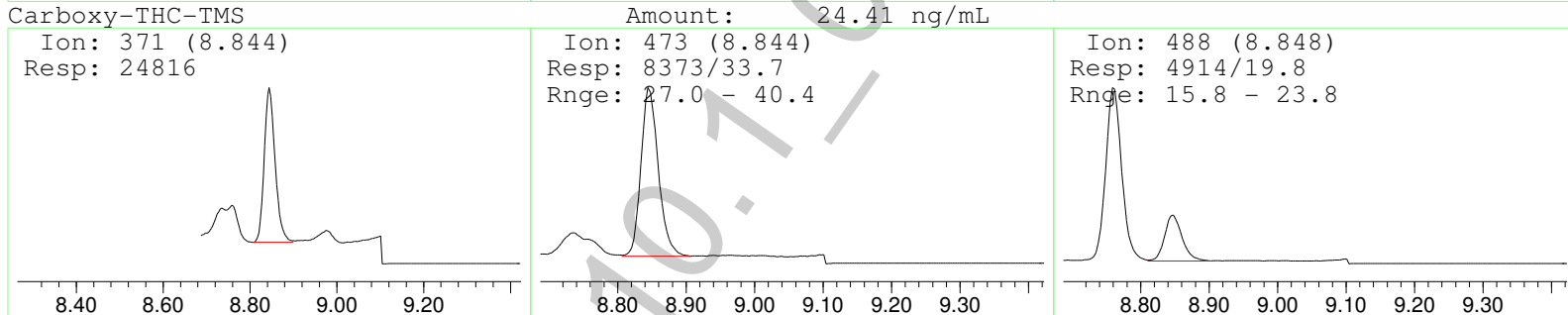
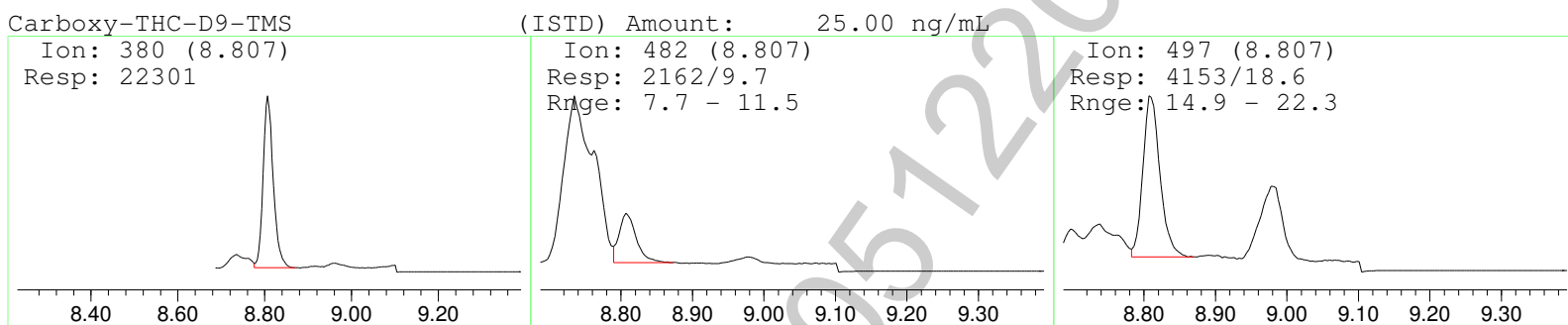
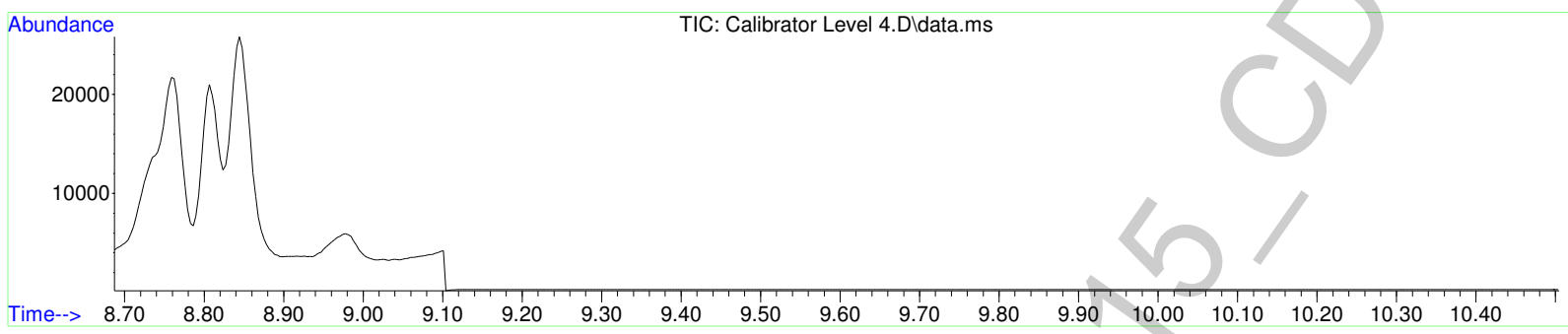
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 371 | 100 | | |
| 473 | 33.7 | 27.0 | 40.4 |
| 488 | 19.8 | 15.8 | 23.8 |



g

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 4.D
Acq On : 12 May 2015 17:20
Operator : Pocatello Laboratory
Sample : Calibrator Level 4: 25 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 5 Sample Multiplier: 1

CDS



POC-AM 3.10.1

2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Calibrator Level 5.D
 Acq On : 12 May 2015 17:34
 Operator : Pocatello Laboratory
 Sample : Calibrator Level 5: 50 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 14:55:41 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|-------|----------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.810 | 380 | 23115 | 25.00 | ng/mL | 0.00 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.848 | 371 | 51976 | 52.35 | ng/mL | 99 |

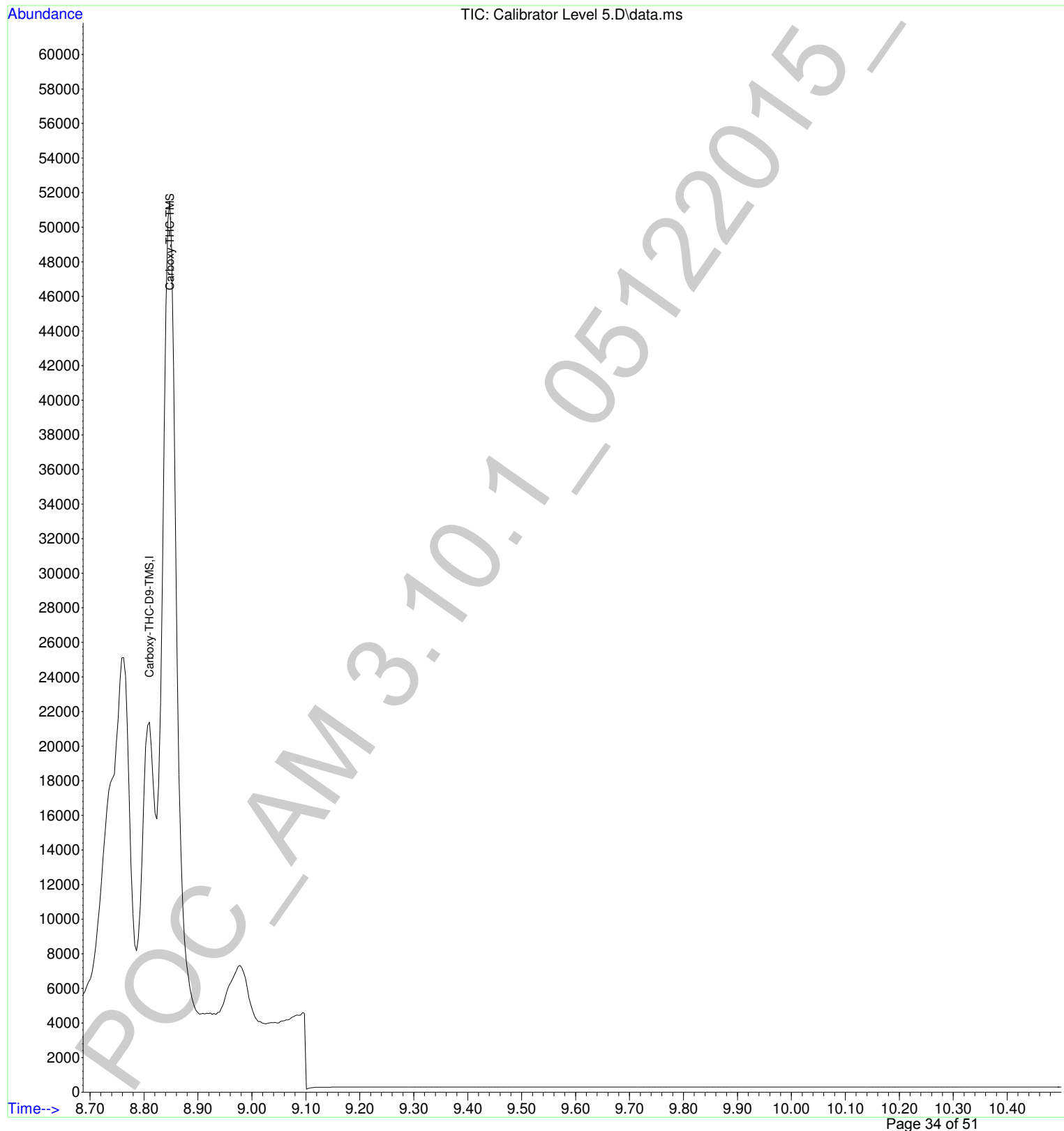
(#) = qualifier out of range (m) = manual integration (+) = signals summed

POC_AM 3.10.1_05122015_CDS

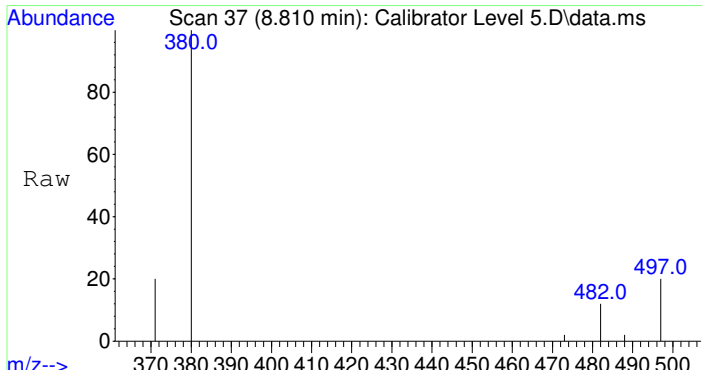
2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 5.D
Acq On : 12 May 2015 17:34
Operator : Pocatello Laboratory
Sample : Calibrator Level 5: 50 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 14:55:41 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration

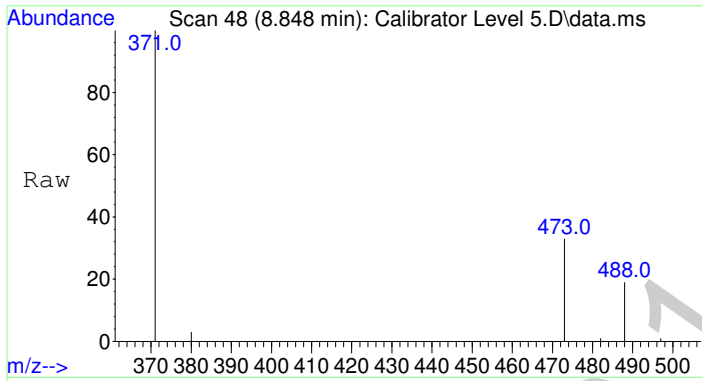
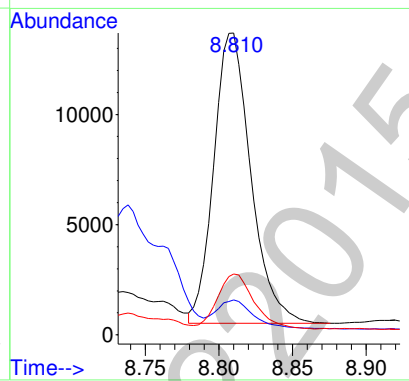
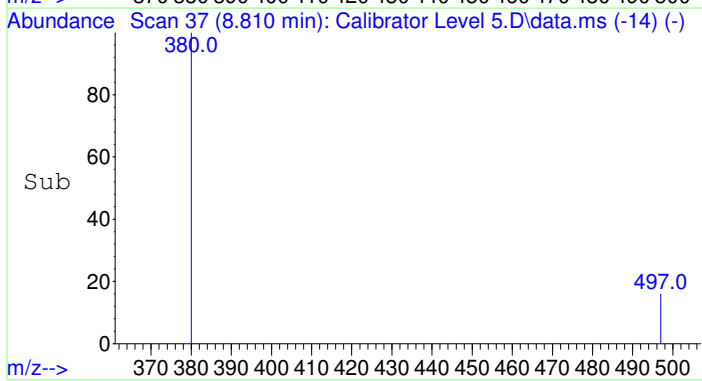


2



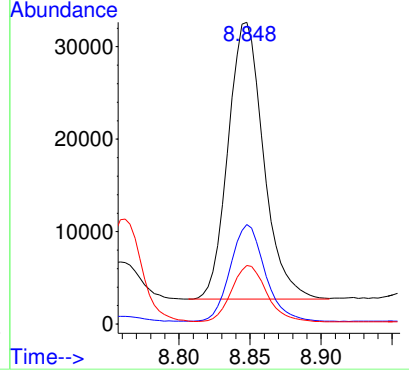
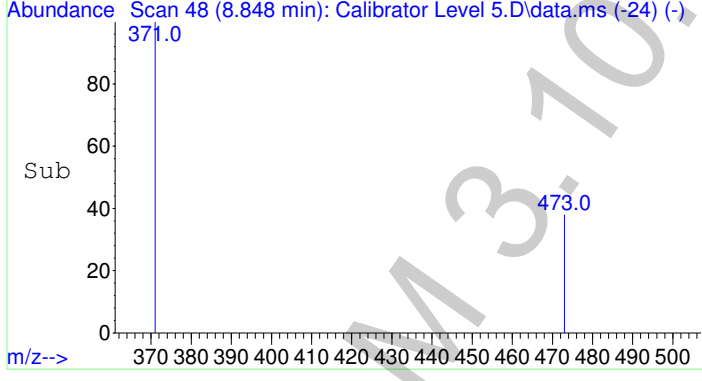
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.810 min Scan# 37
 Delta R.T. 0.000 min
 Lab File: Calibrator Level 5.D
 Acq: 12 May 2015 17:34

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 380 | 100 | | |
| 482 | 9.9 | 7.7 | 11.5 |
| 497 | 18.7 | 14.9 | 22.3 |



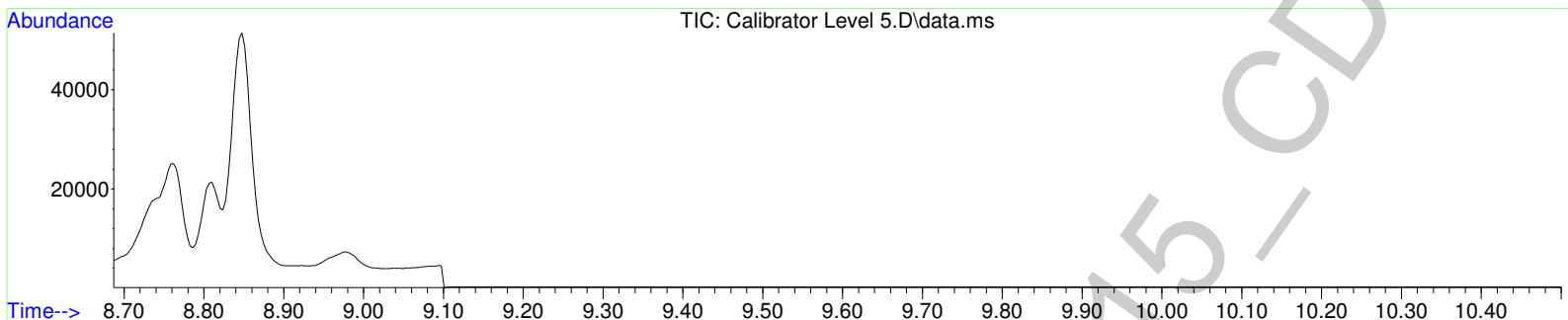
#2
 Carboxy-THC-TMS
 Concen: 52.35 ng/mL
 RT: 8.848 min Scan# 48
 Delta R.T. 0.004 min
 Lab File: Calibrator Level 5.D
 Acq: 12 May 2015 17:34

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 371 | 100 | | |
| 473 | 34.2 | 27.0 | 40.4 |
| 488 | 20.1 | 15.8 | 23.8 |



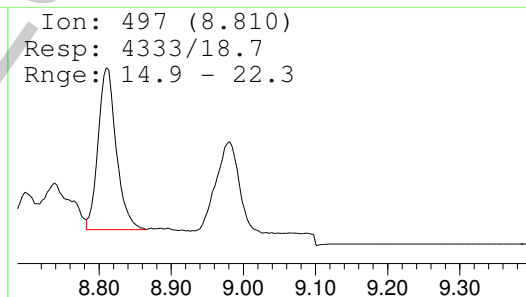
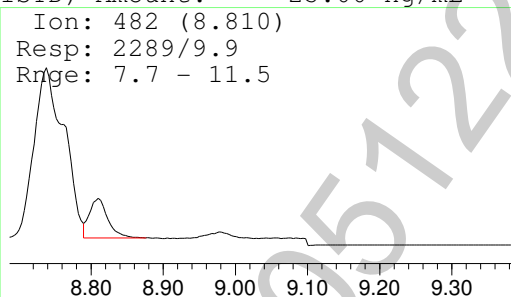
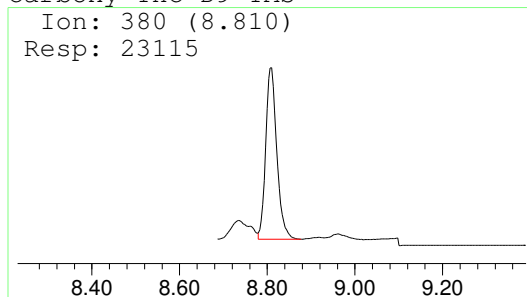
g

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 5.D
Acq On : 12 May 2015 17:34
Operator : Pocatello Laboratory
Sample : Calibrator Level 5: 50 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 6 Sample Multiplier: 1



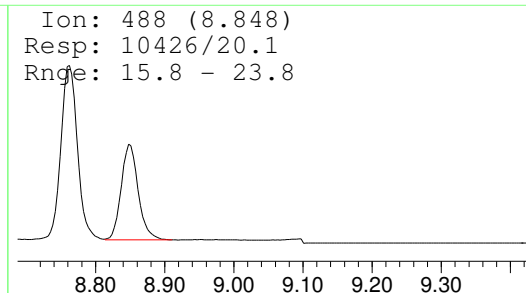
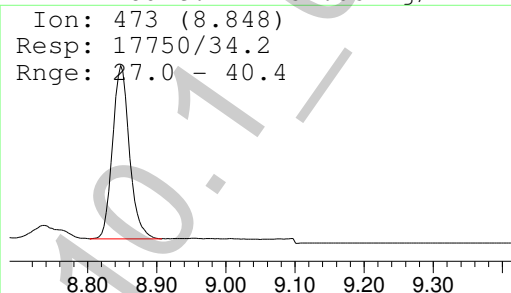
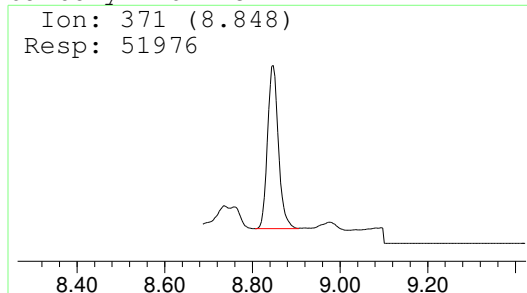
Carboxy-THC-D9-TMS

(ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS

Amount: 52.35 ng/mL



POC_AM 3.10.1

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Calibrator Level 6.D
 Acq On : 12 May 2015 17:49
 Operator : Pocatello Laboratory
 Sample : Calibrator Level 6: 100 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 14:56:19 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|-------|----------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.810 | 380 | 26207 | 25.00 | ng/mL | 0.00 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.844 | 371 | 108425 | 98.81 | ng/mL | 99 |

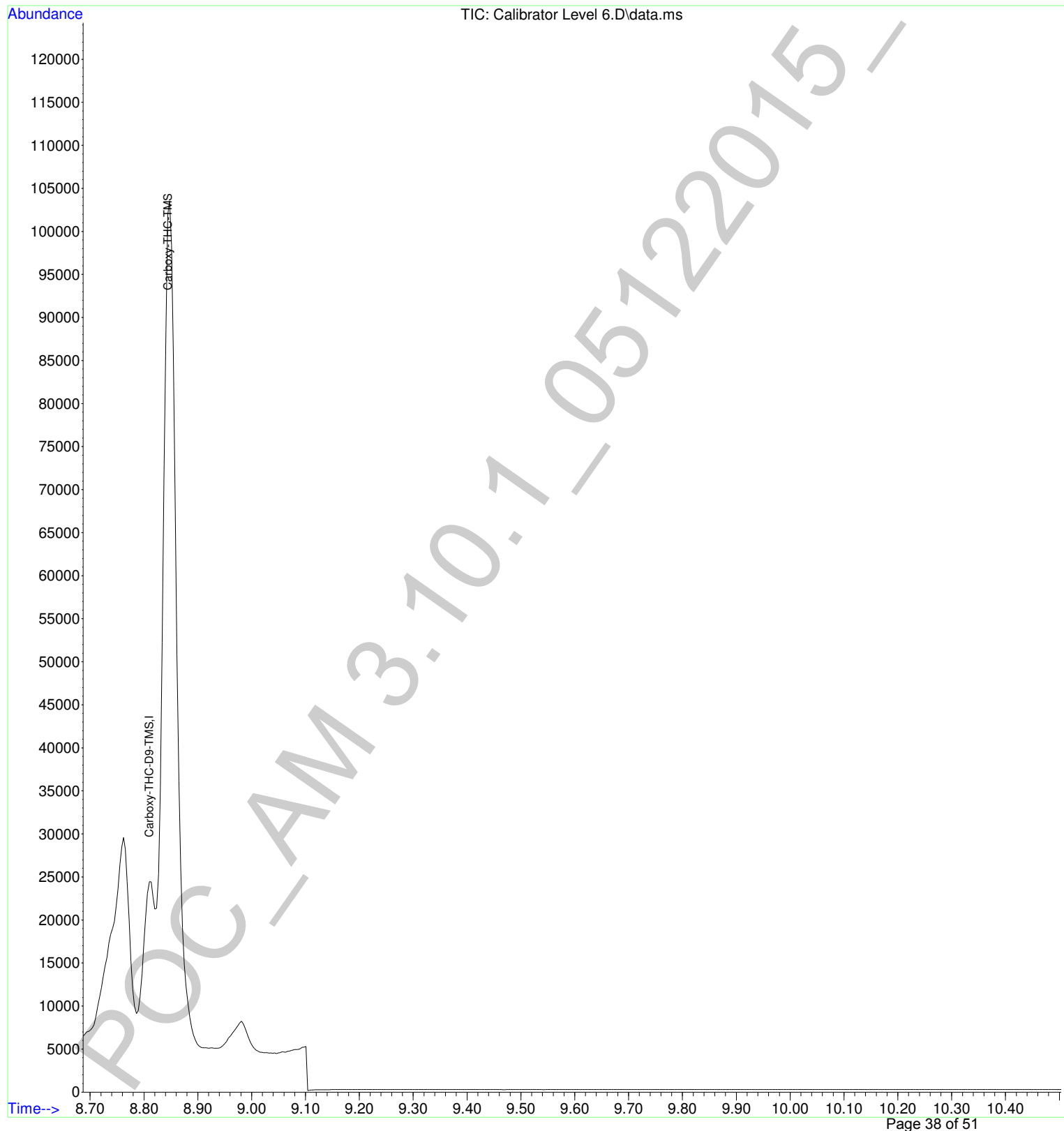
(#) = qualifier out of range (m) = manual integration (+) = signals summed

POC_AM 3.10.1_05122015_CDS

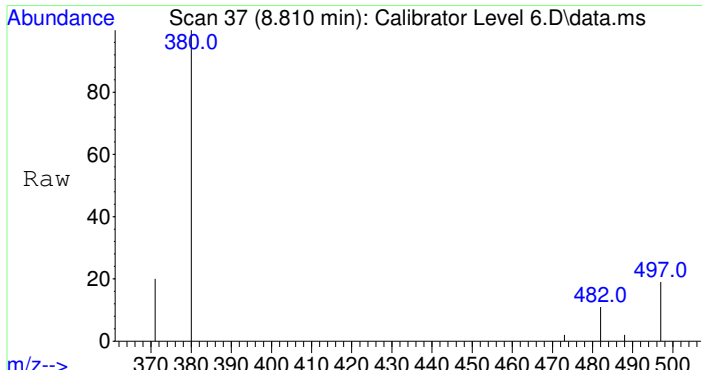
g

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 6.D
Acq On : 12 May 2015 17:49
Operator : Pocatello Laboratory
Sample : Calibrator Level 6: 100 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 14:56:19 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration

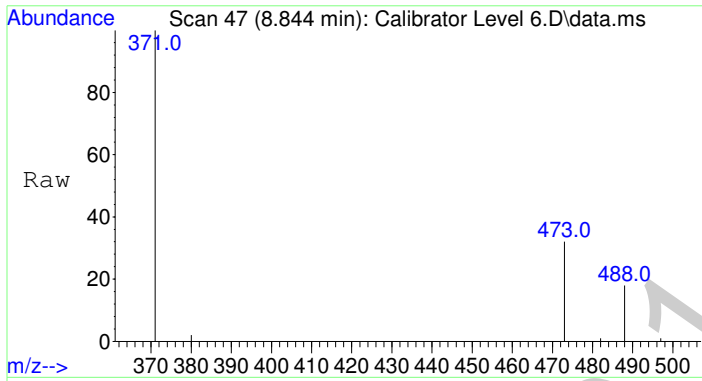
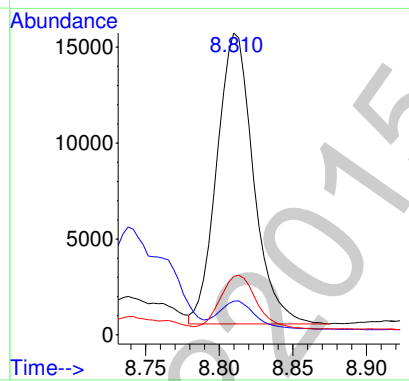
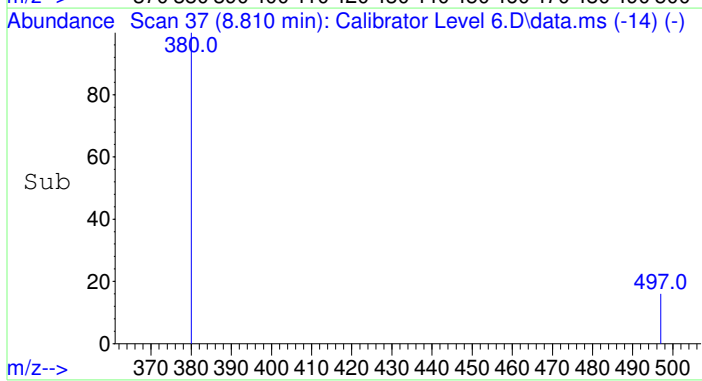


2



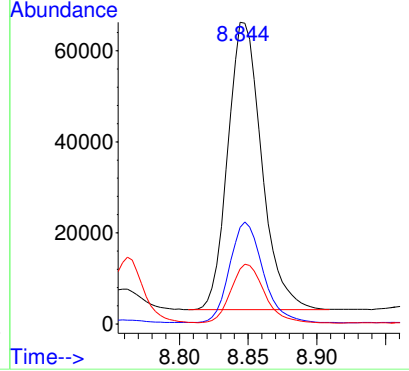
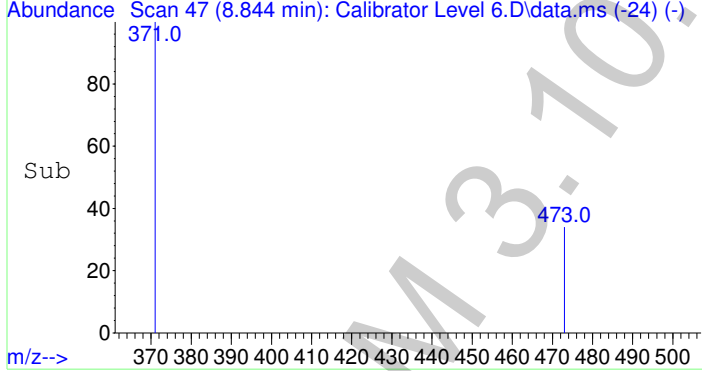
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.810 min Scan# 37
 Delta R.T. -0.000 min
 Lab File: Calibrator Level 6.D
 Acq: 12 May 2015 17:49

| Tgt Ion | 380 | 482 | 497 | Resp | 26207 | Lower | Upper |
|-----------|-----|-----|------|------|-------|-------|-------|
| Ion Ratio | 100 | 9.8 | 18.5 | | | 7.7 | 11.5 |
| | | | | | | 14.9 | 22.3 |



#2
 Carboxy-THC-TMS
 Concen: 98.81 ng/mL
 RT: 8.844 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: Calibrator Level 6.D
 Acq: 12 May 2015 17:49

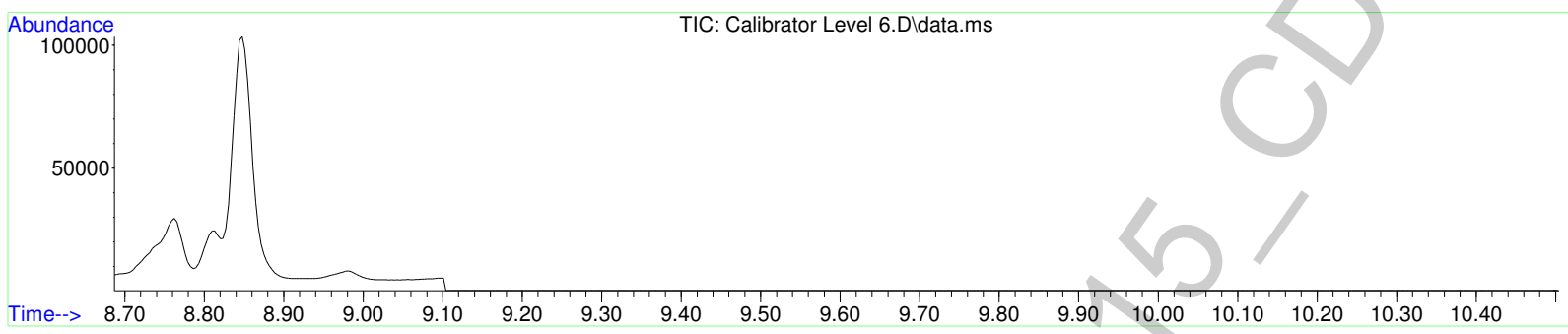
| Tgt Ion | 371 | 473 | 488 | Resp | 108425 | Lower | Upper |
|-----------|-----|------|------|------|--------|-------|-------|
| Ion Ratio | 100 | 34.3 | 20.0 | | | 27.0 | 40.4 |
| | | | | | | 15.8 | 23.8 |



2

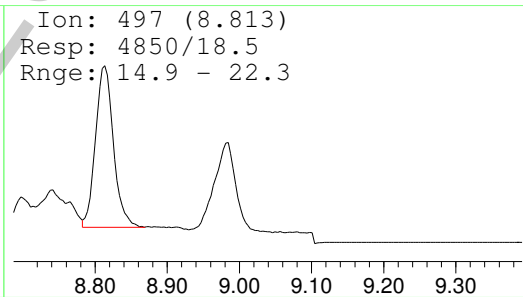
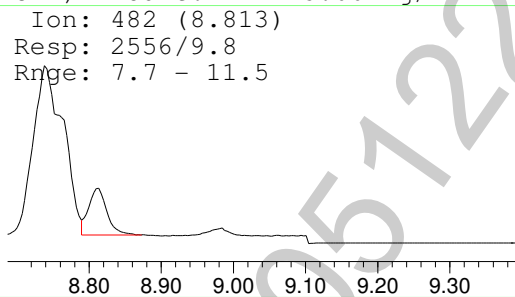
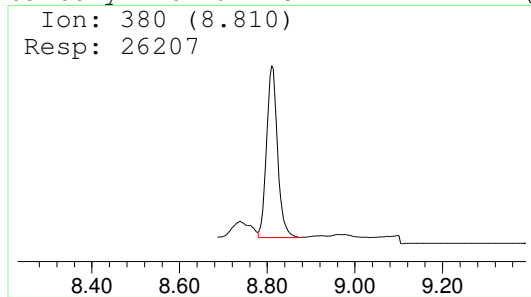
Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Calibrator Level 6.D
Acq On : 12 May 2015 17:49
Operator : Pocatello Laboratory
Sample : Calibrator Level 6: 100 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 7 Sample Multiplier: 1

CDS



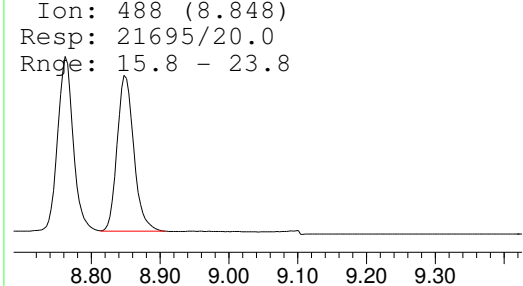
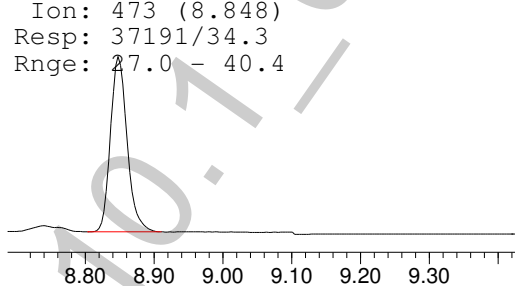
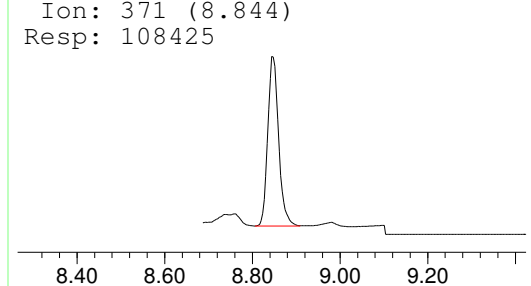
Carboxy-THC-D9-TMS

(ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS

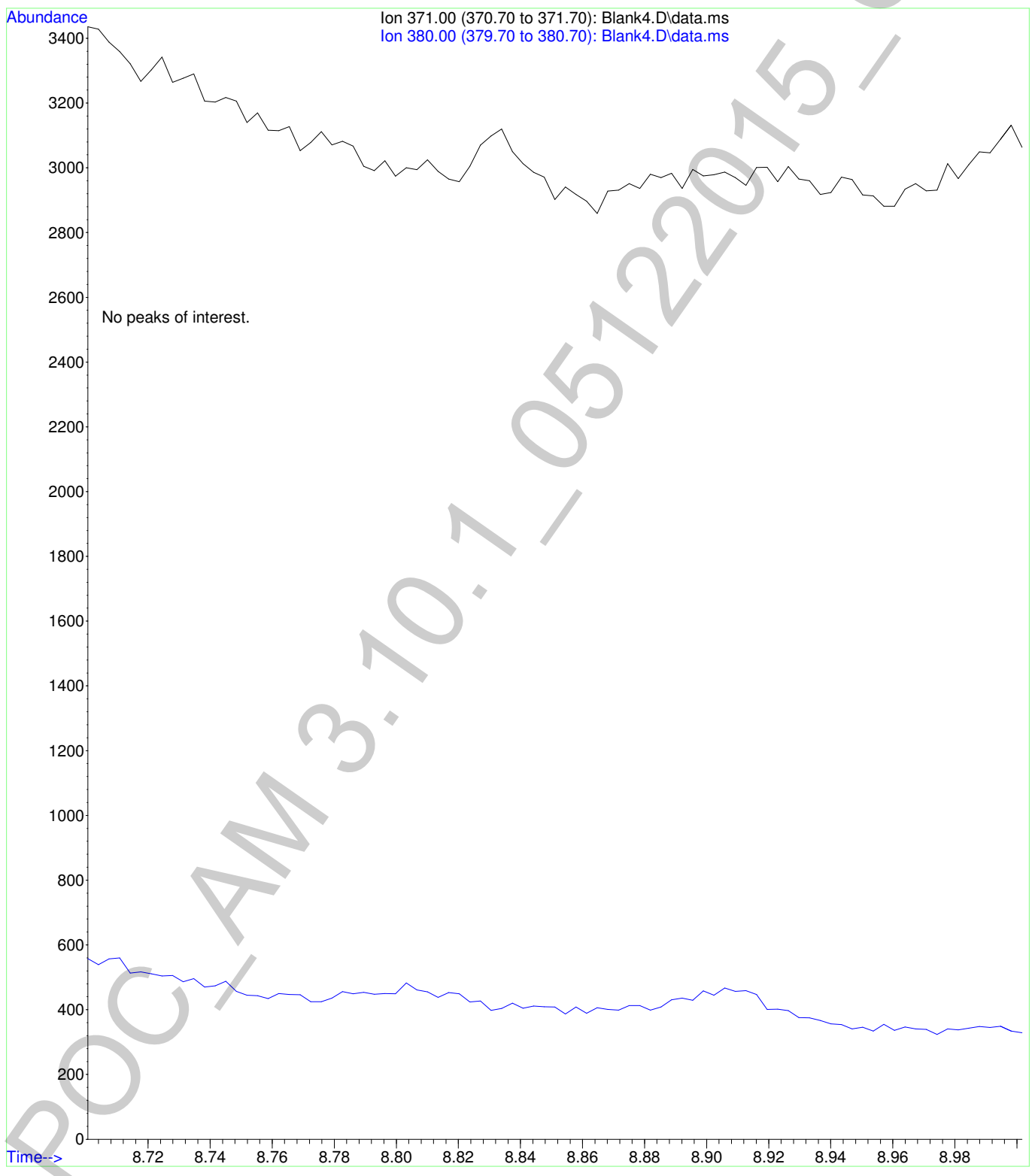
Amount: 98.81 ng/mL



POC-AM 3.10.1

2

File :F:\Data\051215 CANN\Blank4.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 19:16 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: Blank
Misc Info : CHCl3
Vial Number: 98



Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : Low Control-1.D
 Acq On : 12 May 2015 19:30
 Operator : Pocatello Laboratory
 Sample : Low Control: 6 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 13 14:56:54 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|-------|--------------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.800 | 380 | 31291 | 25.00 | ng/mL | -0.01 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.837 | 371 | 10655 | 5.42 | ng/mL | Qvalue 93 |

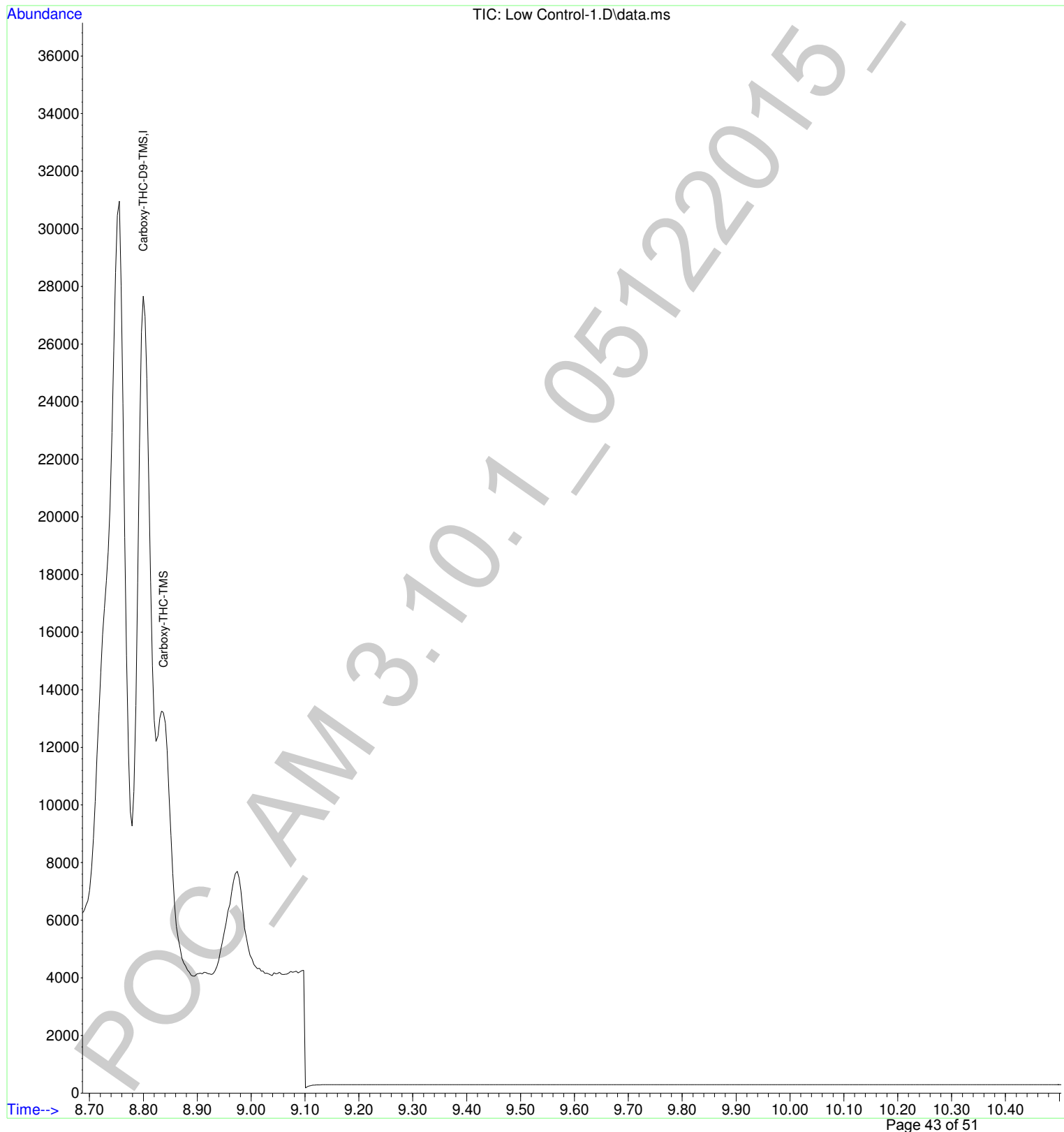
(#) = qualifier out of range (m) = manual integration (+) = signals summed

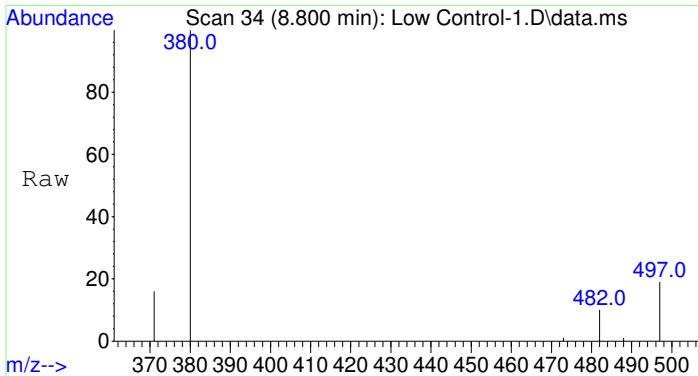
POC_AM 3.10.1_05122015_CDS

2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Low Control-1.D
Acq On : 12 May 2015 19:30
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 8 Sample Multiplier: 1

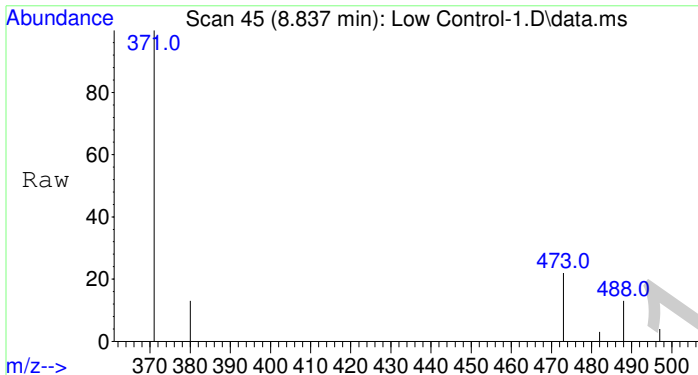
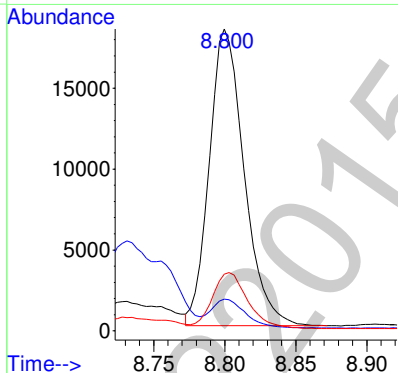
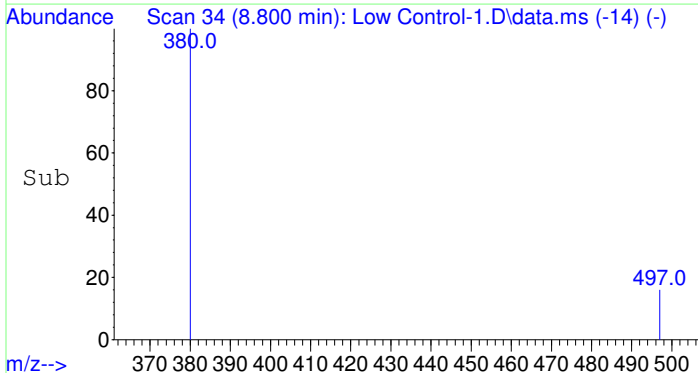
Quant Time: May 13 14:56:54 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration





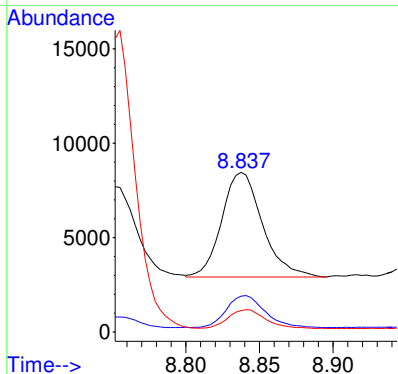
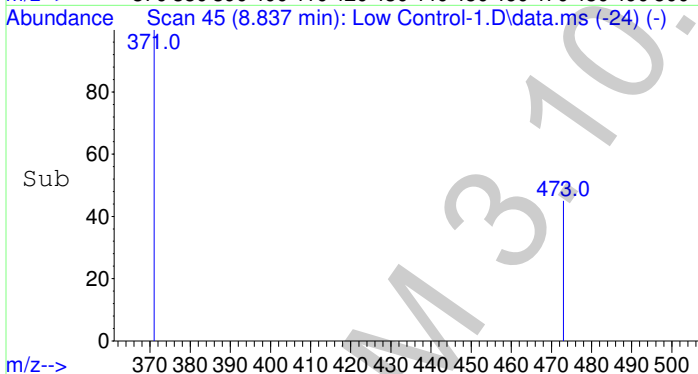
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.800 min Scan# 34
 Delta R.T. -0.010 min
 Lab File: Low Control-1.D
 Acq: 12 May 2015 19:30

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 380 | 100 | | |
| 482 | 9.6 | 7.7 | 11.5 |
| 497 | 19.2 | 14.9 | 22.3 |



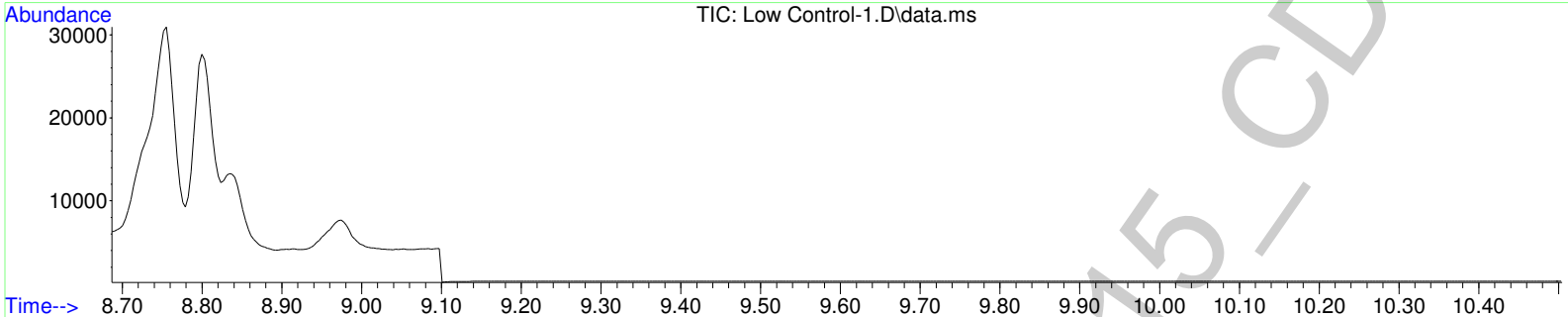
#2
 Carboxy-THC-TMS
 Concen: 5.42 ng/mL
 RT: 8.837 min Scan# 45
 Delta R.T. -0.007 min
 Lab File: Low Control-1.D
 Acq: 12 May 2015 19:30

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 371 | 100 | | |
| 473 | 29.2 | 27.0 | 40.4 |
| 488 | 16.9 | 15.8 | 23.8 |



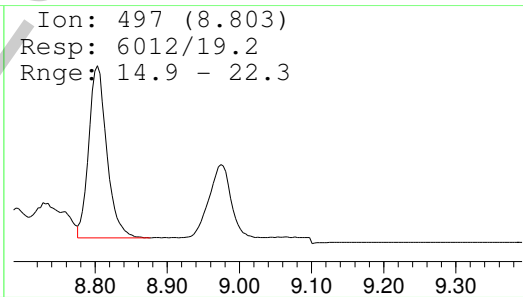
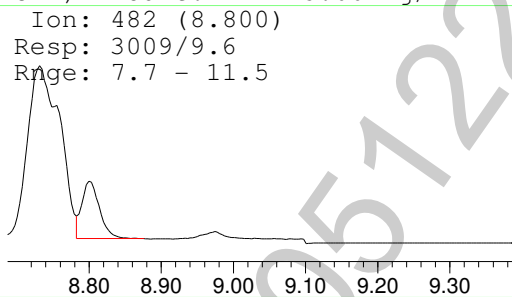
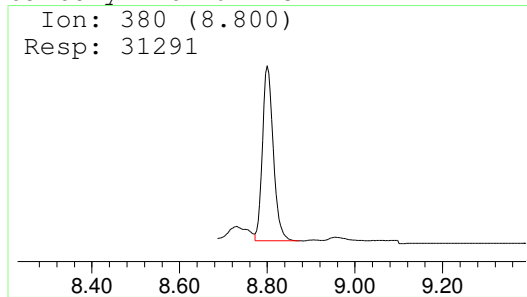
2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : Low Control-1.D
Acq On : 12 May 2015 19:30
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 8 Sample Multiplier: 1



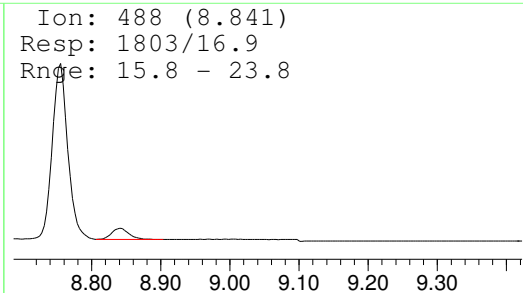
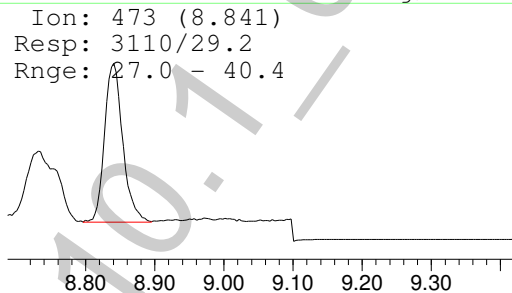
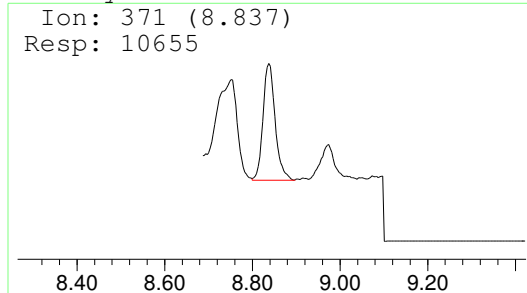
Carboxy-THC-D9-TMS

(ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS

Amount: 5.42 ng/mL



POC_AM 3.10.1

2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
 Data File : High Control-1.D
 Acq On : 12 May 2015 21:26
 Operator : Pocatello Laboratory
 Sample : High Control: 60 ng/mL
 Misc : Analytical Method 3.10.1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 13 14:57:23 2015
 Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
 Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
 QLast Update : Wed May 13 14:48:14 2015
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------|-------|------|----------|-------|-------|--------------|
| Internal Standards | | | | | | |
| 1) Carboxy-THC-D9-TMS | 8.800 | 380 | 29355 | 25.00 | ng/mL | -0.01 |
| Target Compounds | | | | | | |
| 2) Carboxy-THC-TMS | 8.838 | 371 | 82482 | 66.16 | ng/mL | Qvalue 99 |

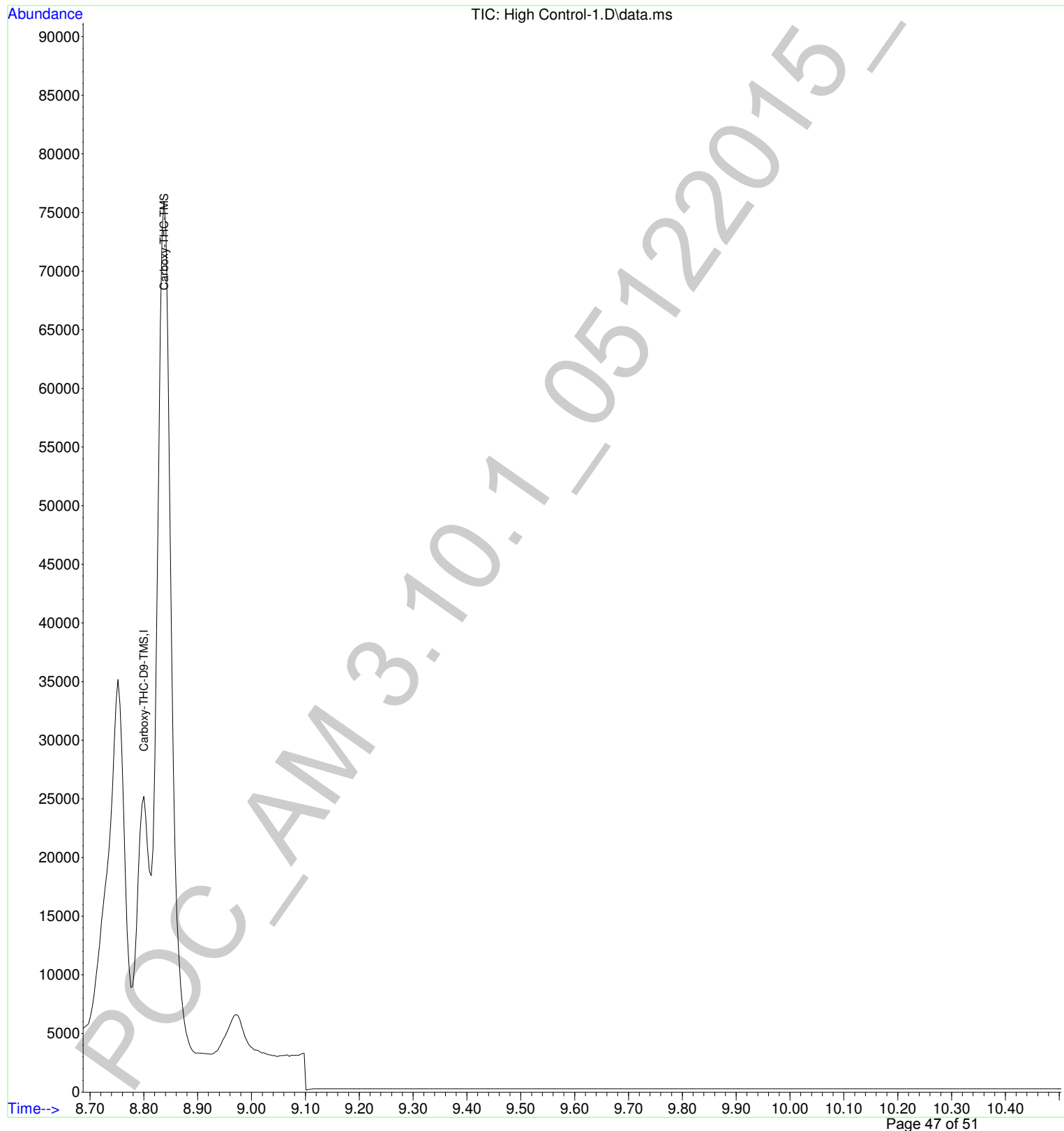
(#) = qualifier out of range (m) = manual integration (+) = signals summed

POC_AM 3.10.1_05122015_CDS

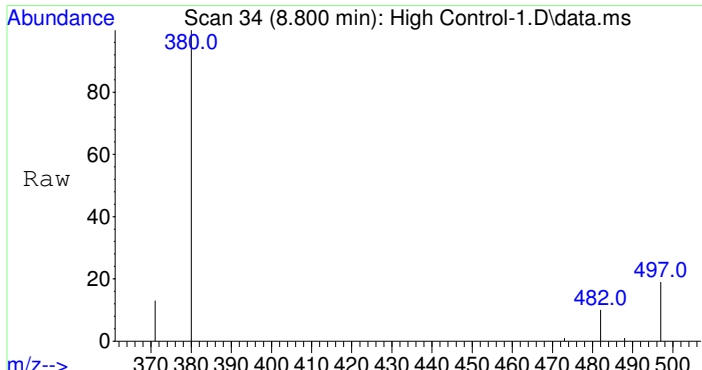
2

Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : High Control-1.D
Acq On : 12 May 2015 21:26
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 13 14:57:23 2015
Quant Method : C:\msdchem\1\methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Wed May 13 14:48:14 2015
Response via : Initial Calibration

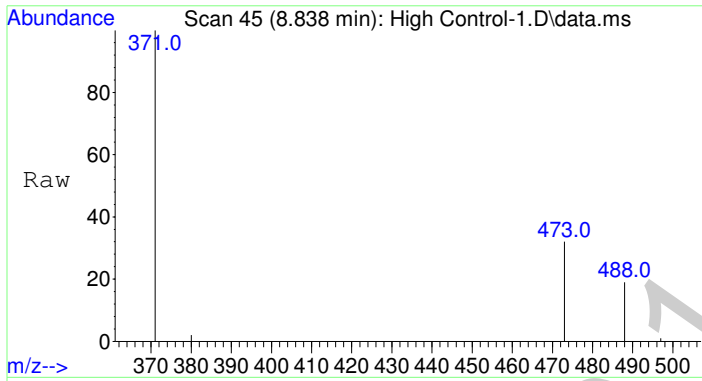
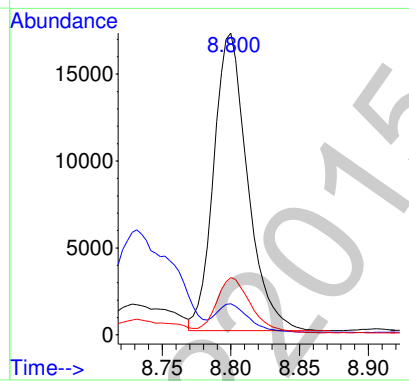
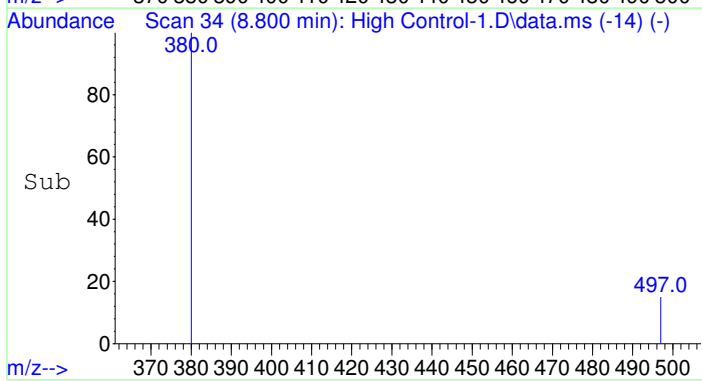


2



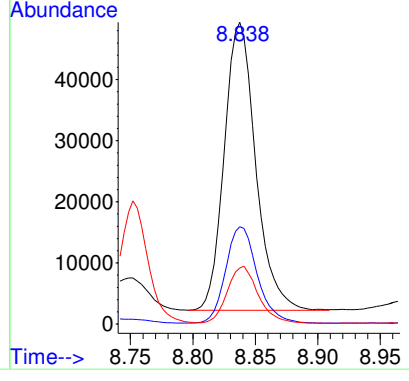
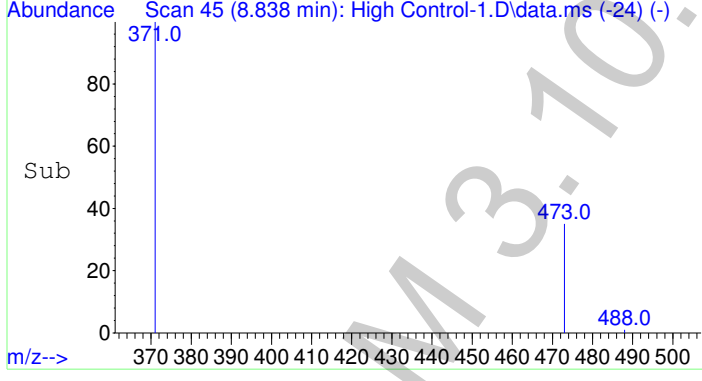
#1
 Carboxy-THC-D9-TMS
 Concen: 25.00 ng/mL
 RT: 8.800 min Scan# 34
 Delta R.T. -0.010 min
 Lab File: High Control-1.D
 Acq: 12 May 2015 21:26

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 380 | 100 | | |
| 482 | 9.3 | 7.7 | 11.5 |
| 497 | 18.7 | 14.9 | 22.3 |



#2
 Carboxy-THC-TMS
 Concen: 66.16 ng/mL
 RT: 8.838 min Scan# 45
 Delta R.T. -0.006 min
 Lab File: High Control-1.D
 Acq: 12 May 2015 21:26

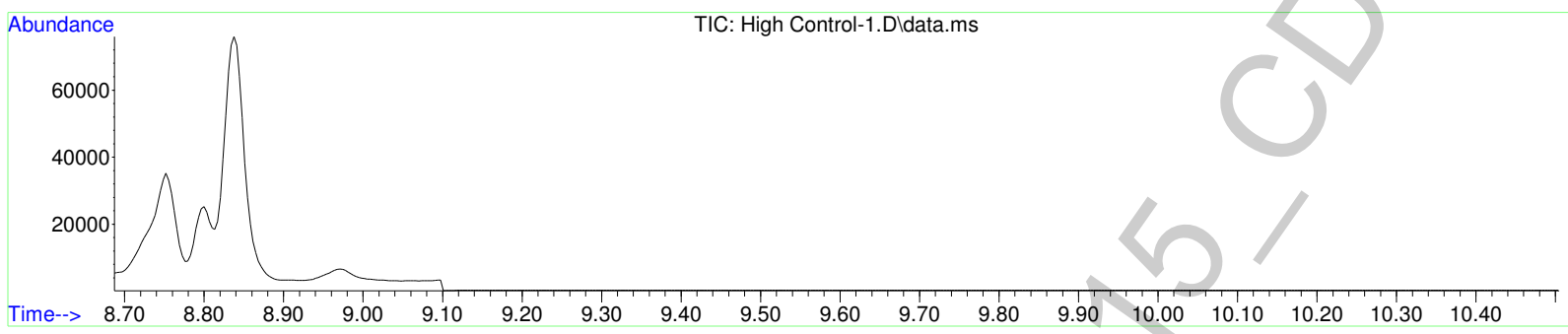
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 371 | 100 | | |
| 473 | 33.5 | 27.0 | 40.4 |
| 488 | 19.4 | 15.8 | 23.8 |



g

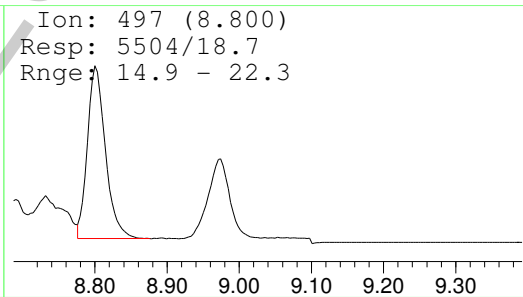
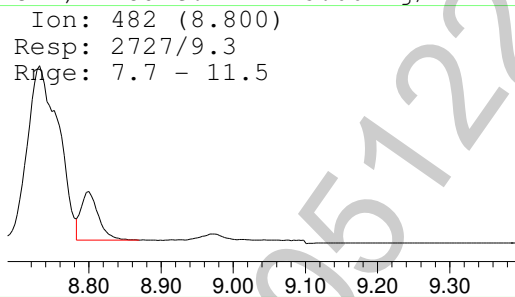
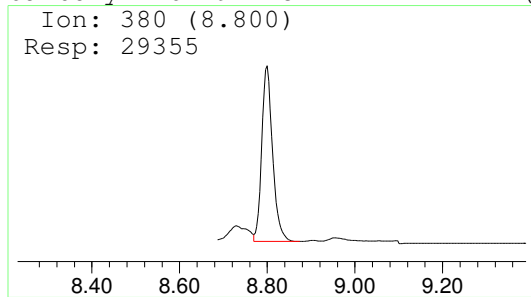
Data Path : C:\msdchem\1\data\CDS\2015\051215 CANN\
Data File : High Control-1.D
Acq On : 12 May 2015 21:26
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 9 Sample Multiplier: 1

CDS



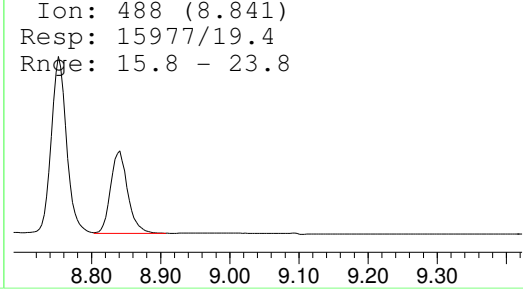
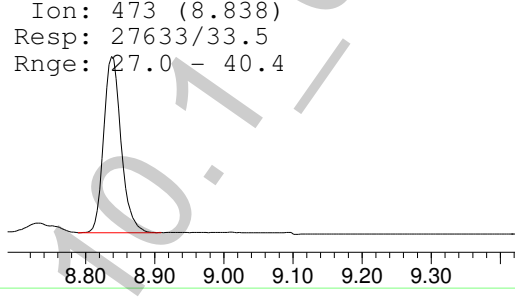
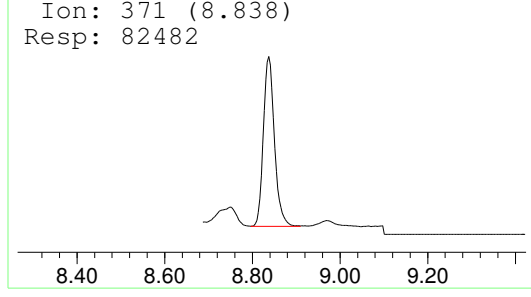
Carboxy-THC-D9-TMS

(ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS

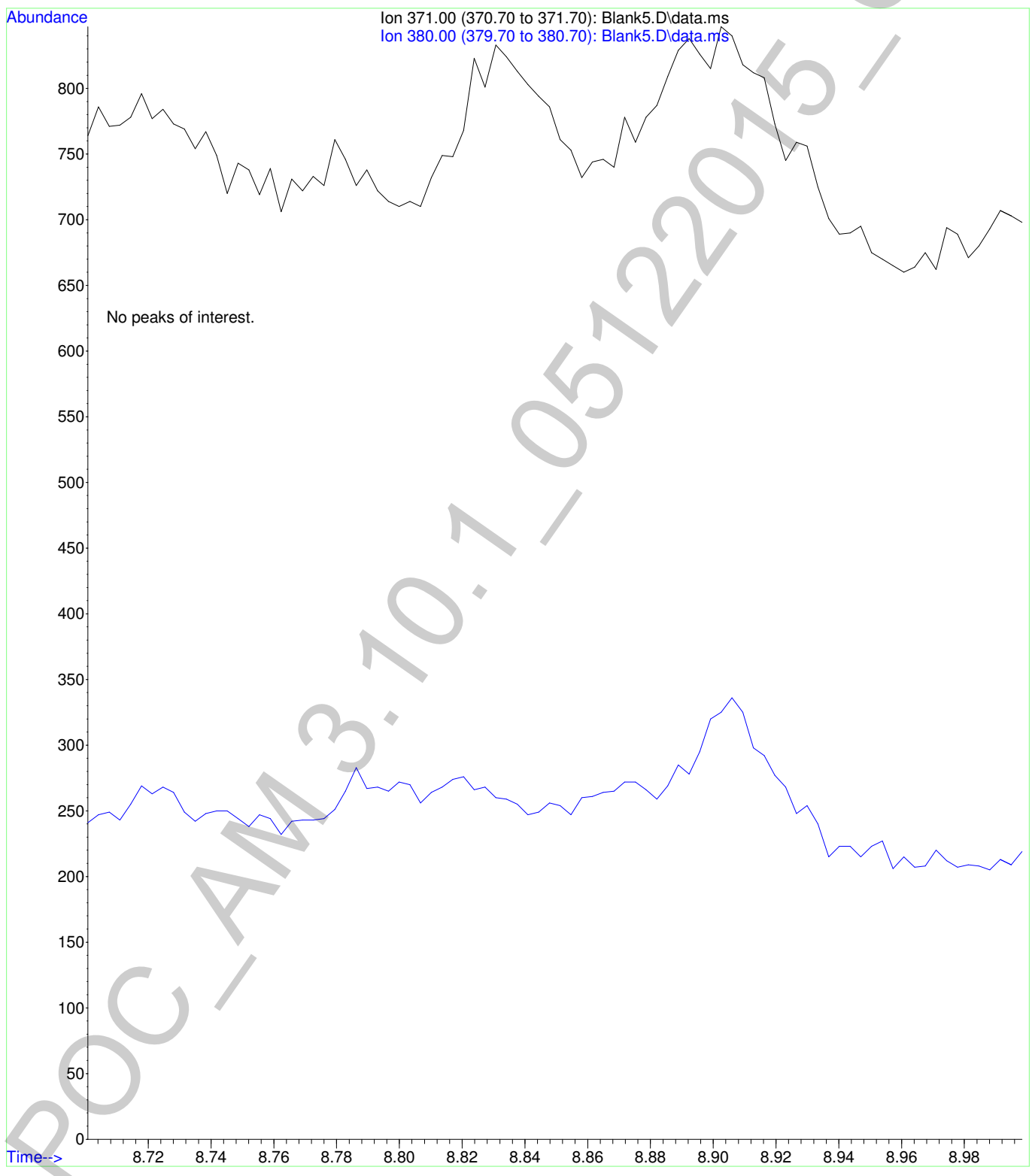
Amount: 66.16 ng/mL



POC-AM 3.10.1

2

File :F:\Data\051215 CANN\Blank5.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 21:12 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: Blank
Misc Info : CHCl3
Vial Number: 98



g

File :F:\Data\051215 CANN\Blank6.D
Operator : Pocatello Laboratory
Acquired : 12 May 2015 22:39 using AcqMethod CANN-11-10-2010.M
Instrument : Bones
Sample Name: Blank
Misc Info : CHCl3
Vial Number: 89

