Reviewed by DND on 06/04/2015.

6/3/2015

Worklist: 733

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2015-0661	1	35070	3.10.1 Blood confirmation Carb
C2015-0737	1	35071	3.10.1 Blood confirmation Carb
C2015-0813	1	35072	3.10.1 Blood confirmation Carb
M2015-0932	1	35073	3.10.1 Blood confirmation Carb
M2015-1432	2	35074	3.10.1 Blood confirmation Carb
M2015-1681	1	35075	3.10.1 Blood confirmation Carb
P2015-1070	1	35076	3.10.1 Blood confirmation Carb
P2015-1087	1	35077	3.10.1 Blood confirmation Carb
P2015-1100	1	35078	3.10.1 Blood confirmation Carb
P2015-1113	1	35079	3.10.1 Blood confirmation Carb
P2015-1132	1	35080	3.10.1 Blood confirmation Carb
P2015-1133	1	35081	3.10.1 Blood confirmation Carb
P2015-1143	1	35082	3.10.1 Blood confirmation Carb
P2015-1180	1	35083	3.10.1 Blood confirmation Carb
P2015-1235	1	35084	3.10.1 Blood confirmation Carb

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Simulate Run Sequence Fri May 29 14:50:15 2015

```
Instrument Name: Bones
  Sequence File: C:\msdchem\1\sequence\CS-CANN052915.s
        Comment: Confirmations
       Operator: Pocatello Laboratory
      Data Path: C:\MSDCHEM\1\DATA\CDS\2015\052915CANN\
    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        10  High Control 60ng/mL
    Datafile          High Control-1-fs
    Method            CANNFS-11-10-2010
 3) Sample        10  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        98  Blank
    Datafile          Blank3
    Method            CANN-11-10-2010
13) Sample        97  Lab No.: C2015-0661-1
    Datafile          C2015-0661-1 Blank
    Method            CANN-11-10-2010
14) Sample        12  Lab No.: C2015-0661-1
    Datafile          C2015-0661-1
    Method            CANN-11-10-2010
15) Sample        96  Lab No.: C2015-0737-1
    Datafile          C2015-0737-1 Blank
    Method            CANN-11-10-2010
16) Sample        13  Lab No.: C2015-0737-1
```

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```
     Datafile          C2015-0737-1
     Method            CANN-11-10-2010
17) Sample         95  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.: C2015-0813-1
     Datafile          C2015-0813-1 Blank
     Method            CANN-11-10-2010
20) Sample         14  Lab No.: C2015-0813-1
     Datafile          C2015-0813-1
     Method            CANN-11-10-2010
21) Sample         93  Lab No.: M2015-0932-1
     Datafile          M2015-0932-1 Blank
     Method            CANN-11-10-2010
22) Sample         15  Lab No.: M2015-0932-1
     Datafile          M2015-0932-1
     Method            CANN-11-10-2010
23) Sample         92  Lab No.: M2015-1681-1
     Datafile          M2015-1681-1 Blank
     Method            CANN-11-10-2010
24) Sample         16  Lab No.: M2015-1681-1
     Datafile          M2015-1681-1
     Method            CANN-11-10-2010
25) Sample         91  Blank
     Datafile          Blank5
     Method            CANN-11-10-2010
26) Sample          9  Low Control: 6 ng/mL
     Datafile          Low Control-2
     Method            CANN-11-10-2010
27) Sample         90  Lab No.: P2015-1070-1
     Datafile          P2015-1070-1 Blank
     Method            CANN-11-10-2010
28) Sample         17  Lab No.: P2015-1070-1
     Datafile          P2015-1070-1
     Method            CANN-11-10-2010
29) Sample         89  Lab No.: P2015-1087-1
     Datafile          P2015-1087-1 Blank
     Method            CANN-11-10-2010
30) Sample         18  Lab No.: P2015-1087-1
     Datafile          P2015-1087-1
     Method            CANN-11-10-2010
31) Sample         88  Lab No.: P2015-1100-1
     Datafile          P2015-1100-1 Blank
     Method            CANN-11-10-2010
32) Sample         19  Lab No.: P2015-1100-1
     Datafile          P2015-1100-1
     Method            CANN-11-10-2010
33) Sample         87  Lab No.: P2015-1113-1
     Datafile          P2015-1113-1 Blank
     Method            CANN-11-10-2010
34) Sample         20  Lab No.: P2015-1113-1
     Datafile          P2015-1113-1
     Method            CANN-11-10-2010
35) Sample         86  Blank
```

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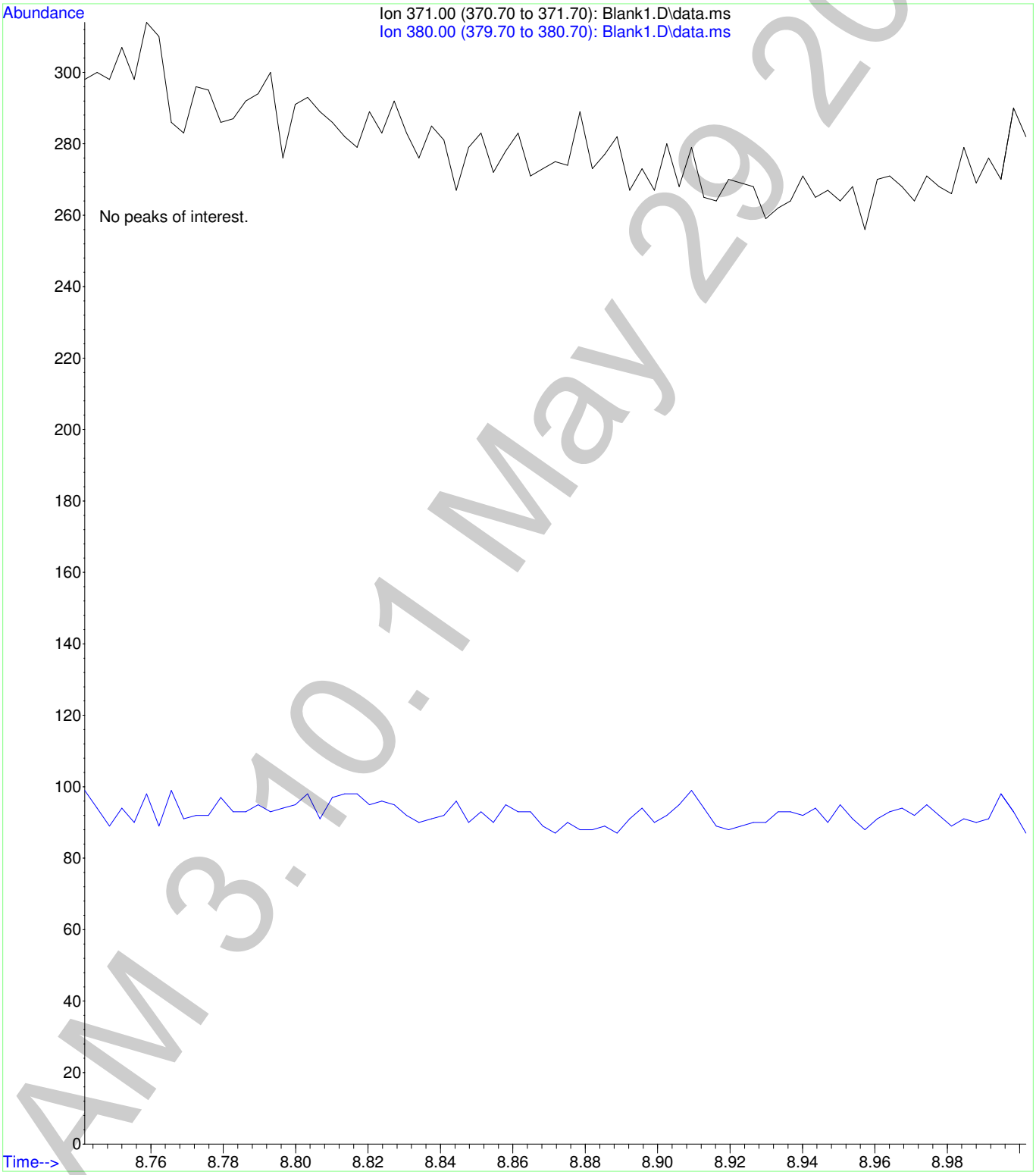
```
     Datafile          Blank6
     Method            CANN-11-10-2010
36) Sample        10  High Control: 60 ng/mL
     Datafile          High Control-1
     Method            CANN-11-10-2010
37) Sample        85  Lab No.: P2015-1132-1
     Datafile          P2015-1132-1 Blank
     Method            CANN-11-10-2010
38) Sample        21  Lab No.: P2015-1132-1
     Datafile          P2015-1132-1
     Method            CANN-11-10-2010
39) Sample        84  Lab No.: P2015-1133-1
     Datafile          P2015-1133-1 Blank
     Method            CANN-11-10-2010
40) Sample        22  Lab No.: P2015-1133-1
     Datafile          P2015-1133-1
     Method            CANN-11-10-2010
41) Sample        83  Blank
     Datafile          Blank7
     Method            CANN-11-10-2010
42) Sample        11  High Control: 60 ng/mL
     Datafile          High Control-2
     Method            CANN-11-10-2010
43) Sample        82  Lab No.: P2015-1143-1
     Datafile          P2015-1143-1 Blank
     Method            CANN-11-10-2010
44) Sample        23  Lab No.: P2015-1143-1
     Datafile          P2015-1143-1
     Method            CANN-11-10-2010
45) Sample        81  Lab No.: P2015-1180-1
     Datafile          P2015-1180-1 Blank
     Method            CANN-11-10-2010
46) Sample        24  Lab No.: P2015-1180-1
     Datafile          P2015-1180-1
     Method            CANN-11-10-2010
47) Sample        80  Lab No.: P2015-1235-1
     Datafile          P2015-1235-1 Blank
     Method            CANN-11-10-2010
48) Sample        25  Lab No.: P2015-1235-1
     Datafile          P2015-1235-1
     Method            CANN-11-10-2010
49) Sample        79  Lab No.: M2015-1432-2
     Datafile          M2015-1432-2 Blank
     Method            CANN-11-10-2010
50) Sample        26  Lab No.: M2015-1432-2
     Datafile          M2015-1432-2
     Method            CANN-11-10-2010
51) Sample        78  Blank
     Datafile          Blank8
     Method            CANN-11-10-2010
   Bytes Needed: 3329866  Space on drive C: 4.3372e+011
   Sequence Verification Done!
```

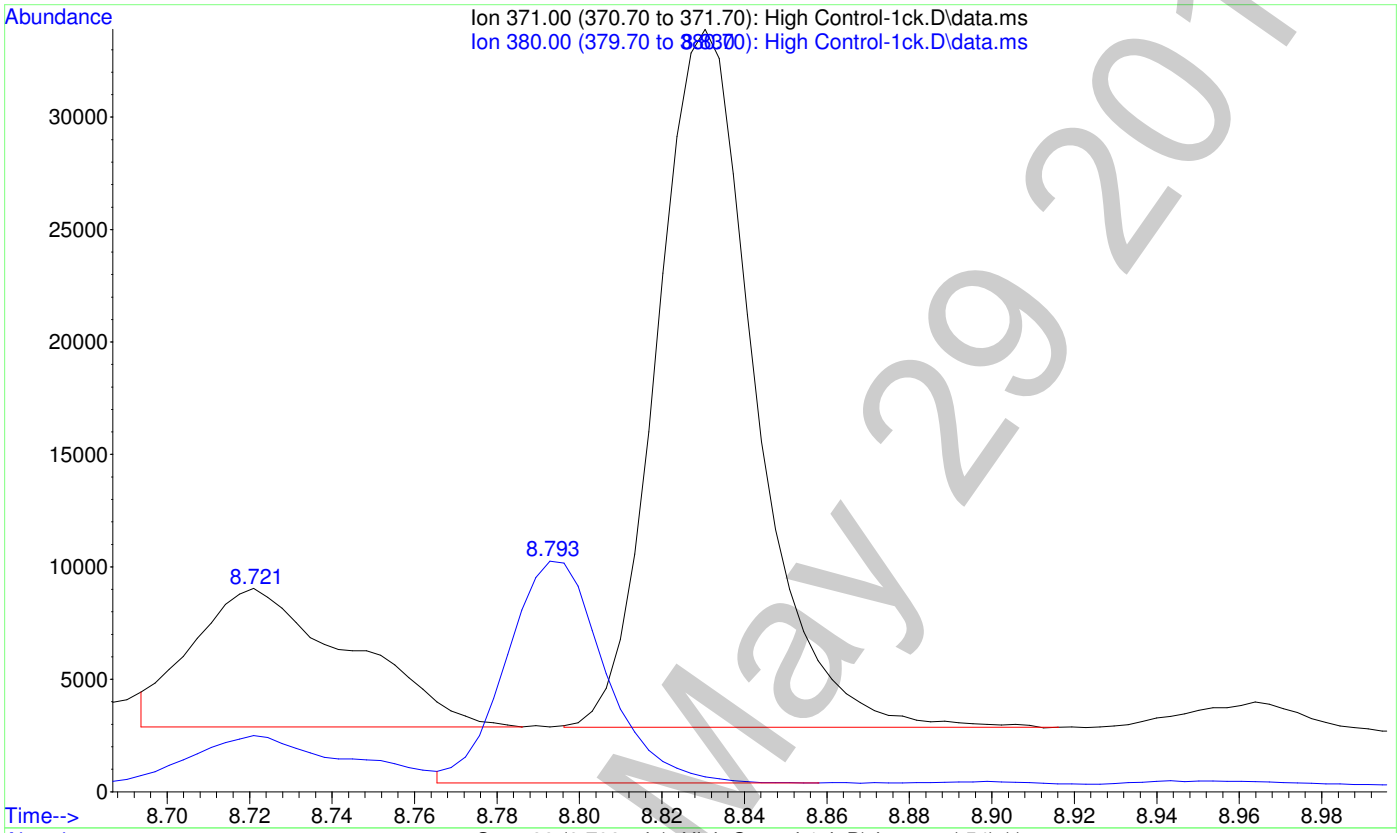
AM 3.10 May 29 2015

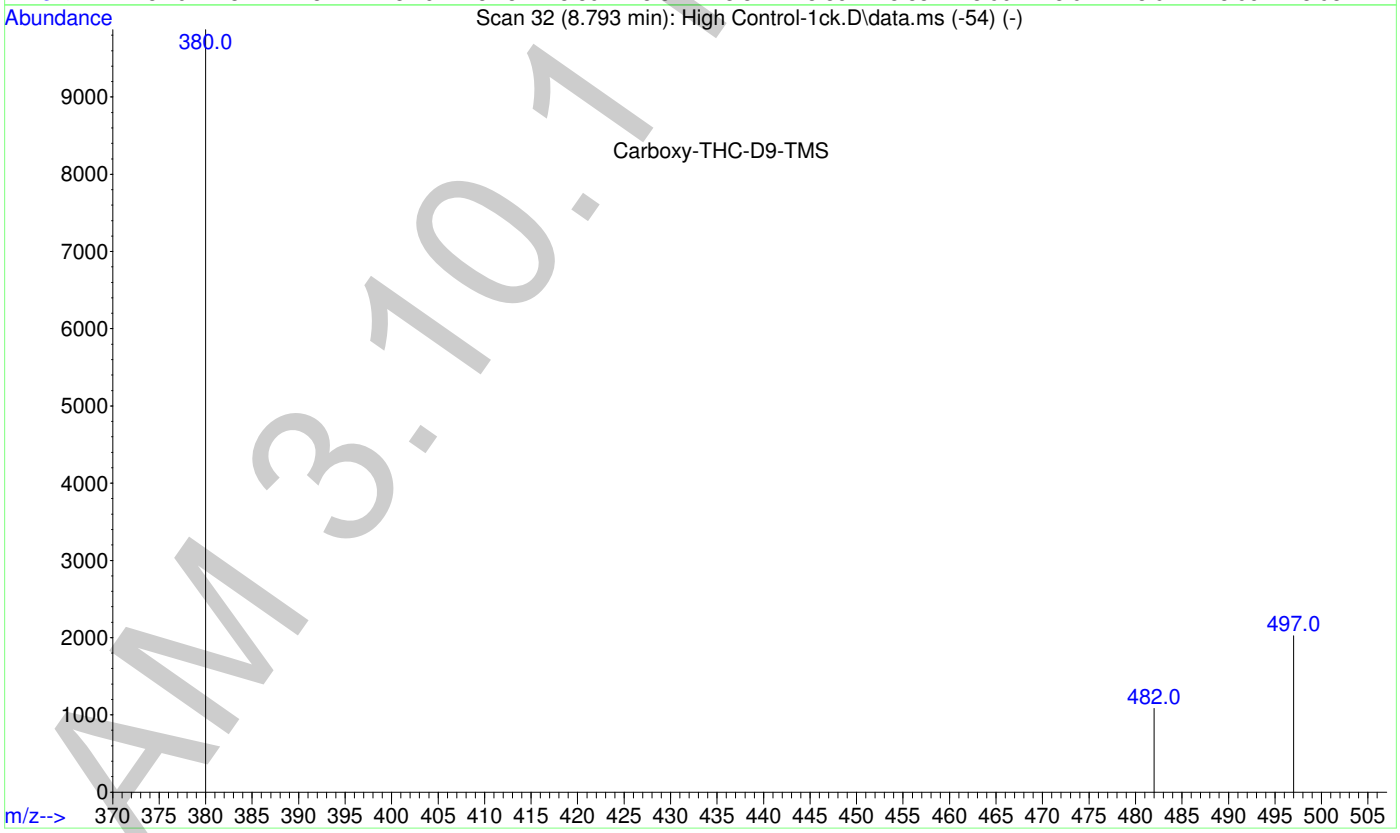
```
File        :F:\Data\052915CANN\Blank1.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  15:49     using AcqMethod CANN-11-10-2010.M
Instrument :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 100
```



AM 3.10.1 May 29 2015

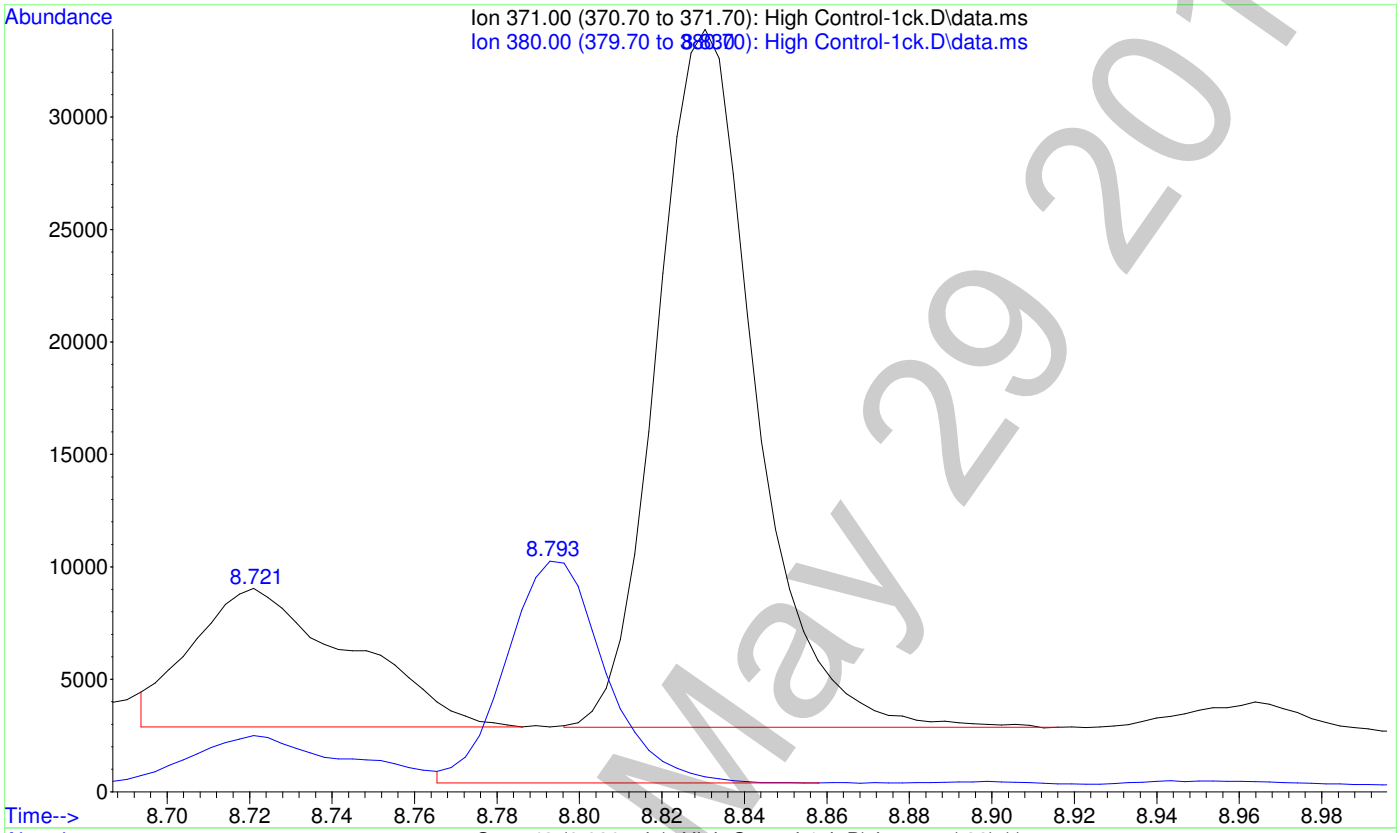
```
File        :F:\Data\052915CANN\High Control-1ck.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  16:19     using AcqMethod CANN-11-10-2010.M
Instrument  :    Bones
Sample Name: High Control 60ng/mL
Misc Info   : Analytical Method 3.10.1
Vial Number: 10
```

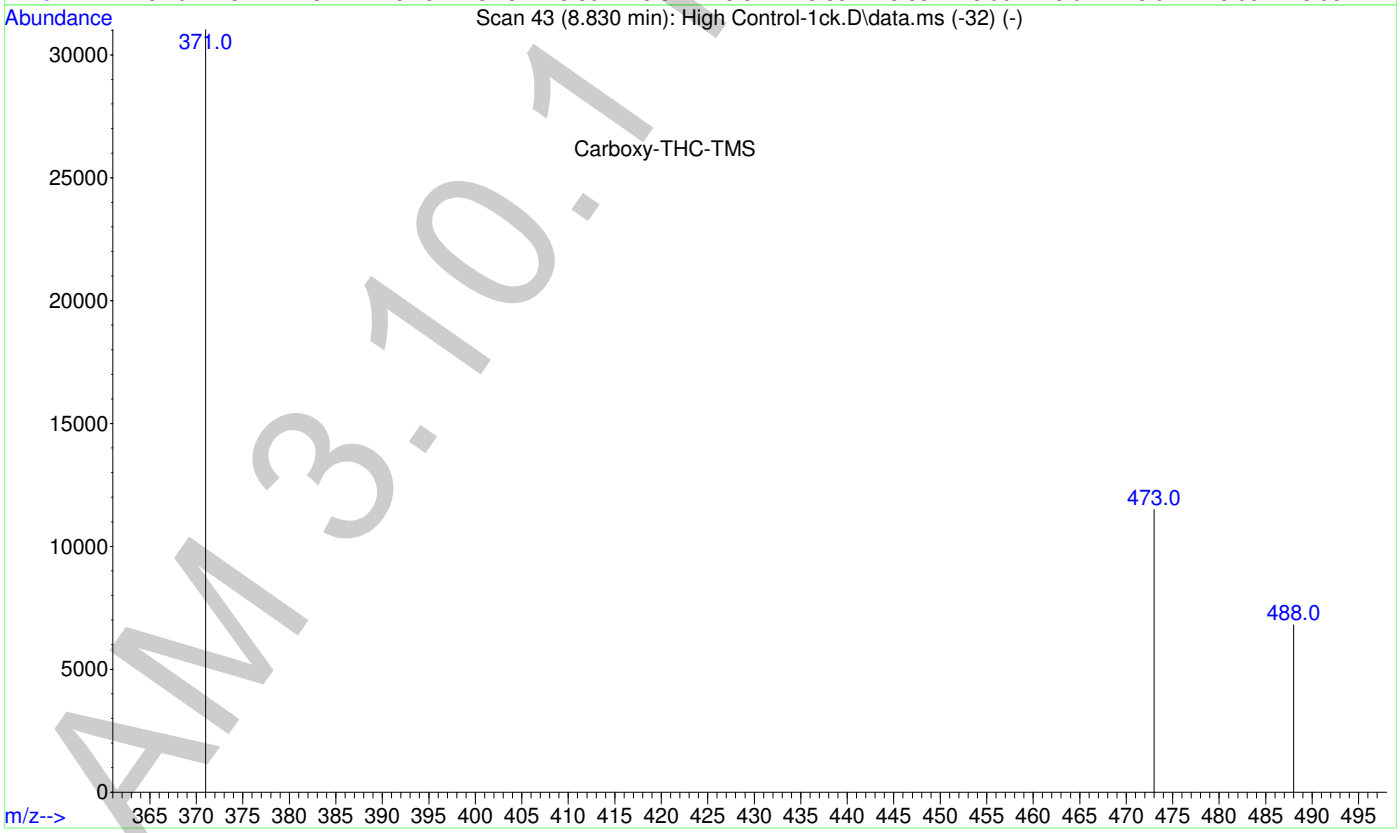




AM 3.10.1 May 29 2015

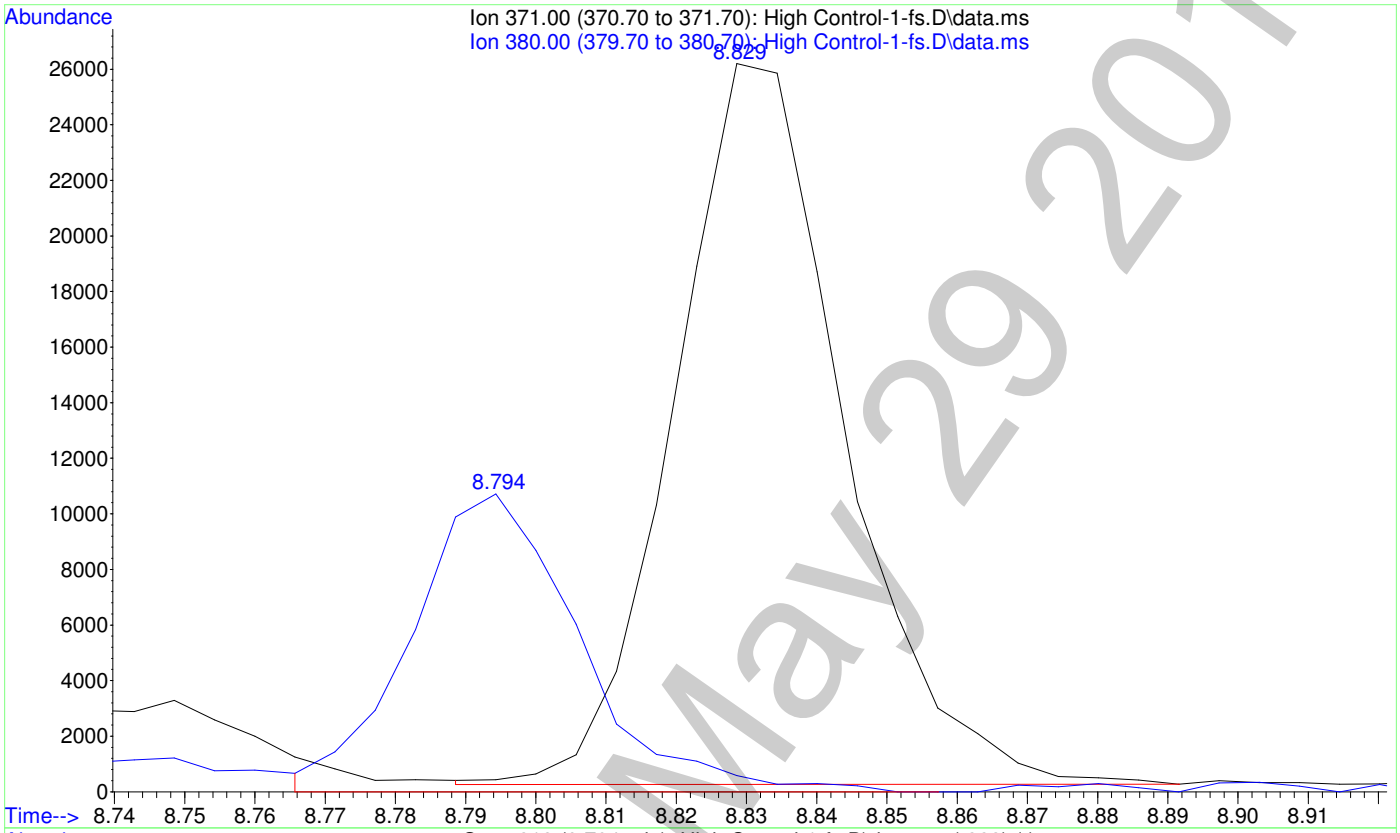
```
File        :F:\Data\052915CANN\High Control-1ck.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  16:19     using AcqMethod CANN-11-10-2010.M
Instrument  :    Bones
Sample Name: High Control 60ng/mL
Misc Info   : Analytical Method 3.10.1
Vial Number: 10
```

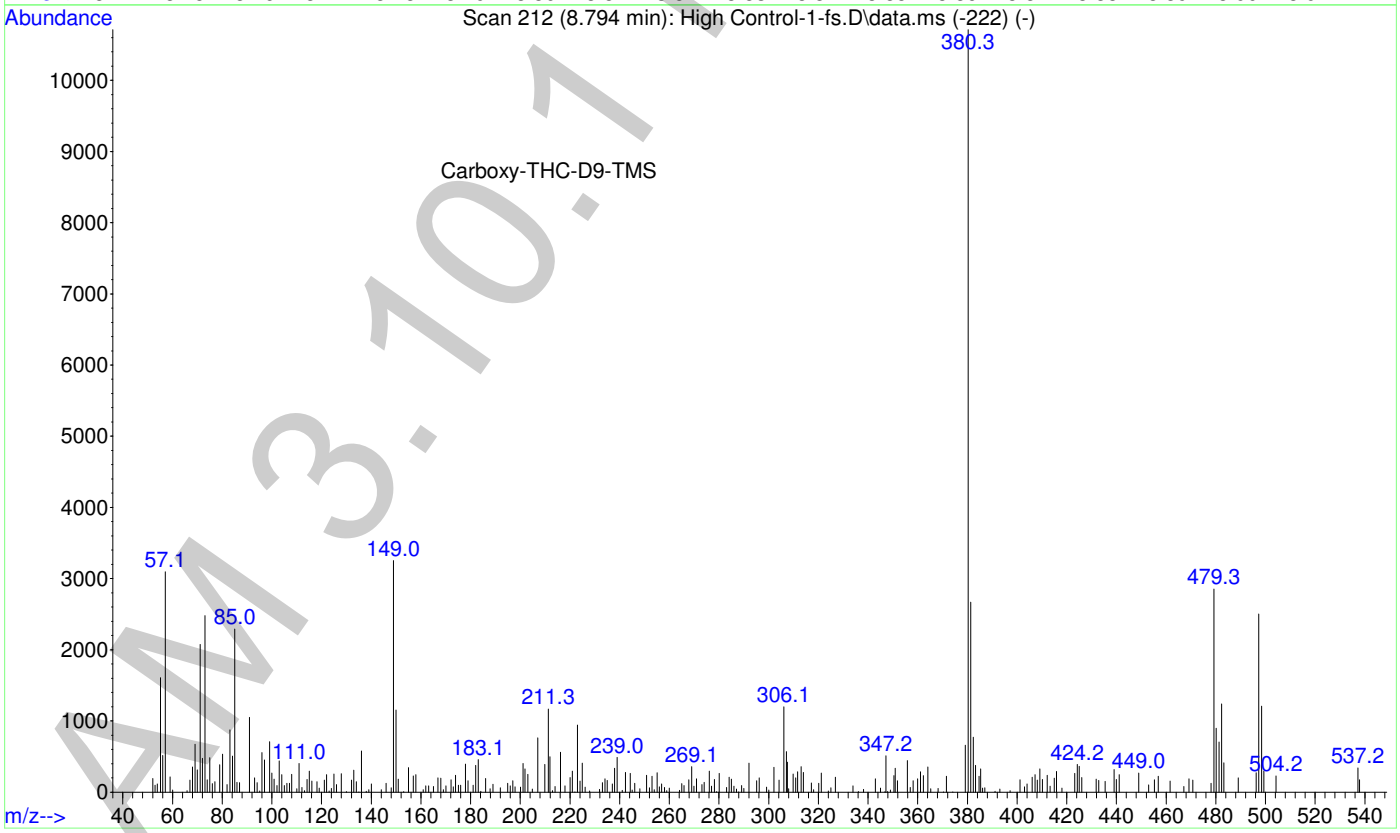




AM 3.10.1 May 29 2015

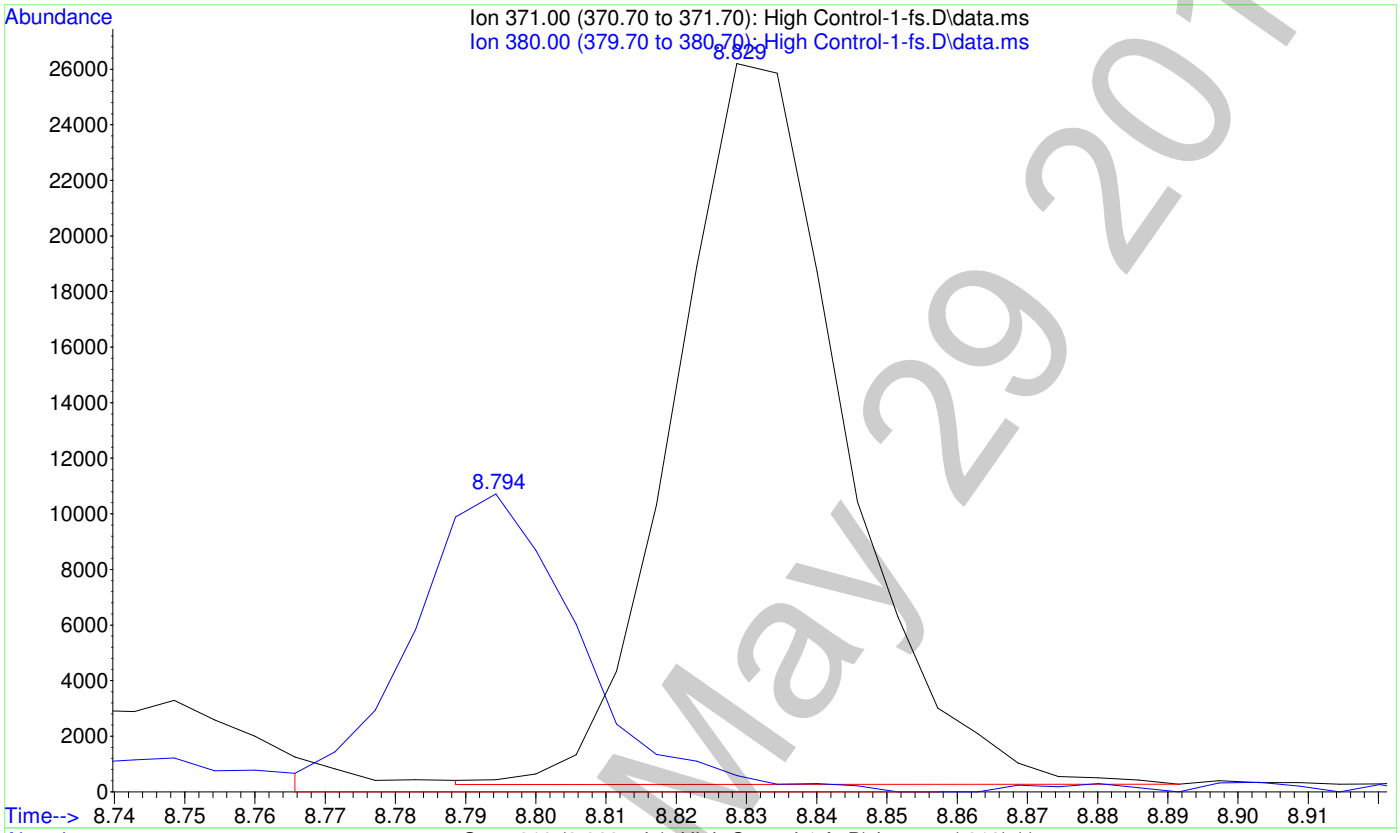
```
File        :F:\Data\052915CANN\High Control-1-fs.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  16:04     using AcqMethod CANNFS-11-10-2010.M
Instrument  :    Bones
Sample Name: High Control 60ng/mL
Misc Info   : Analytical Method 3.10.1
Vial Number: 10
```

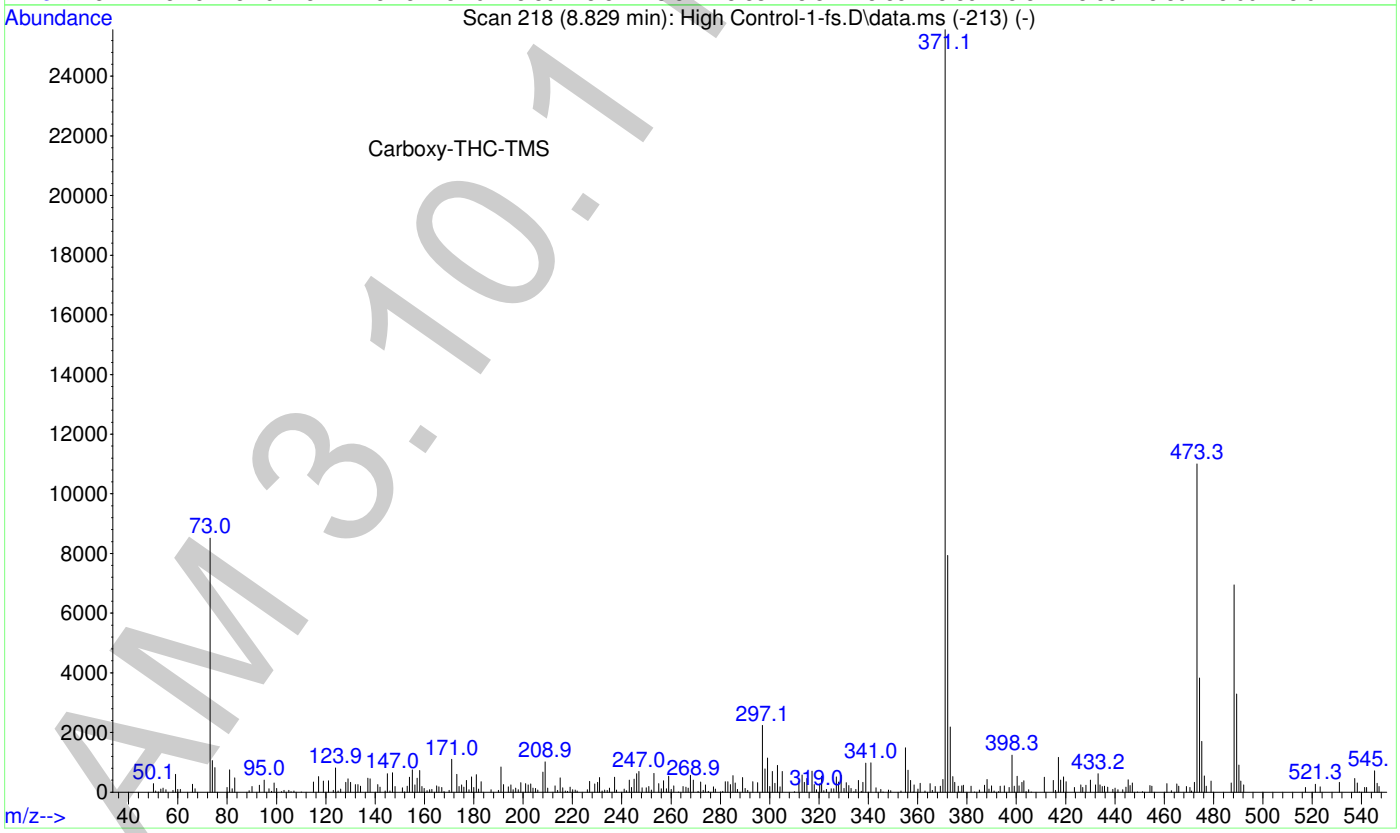




AM 3.10.1 May 29 2015

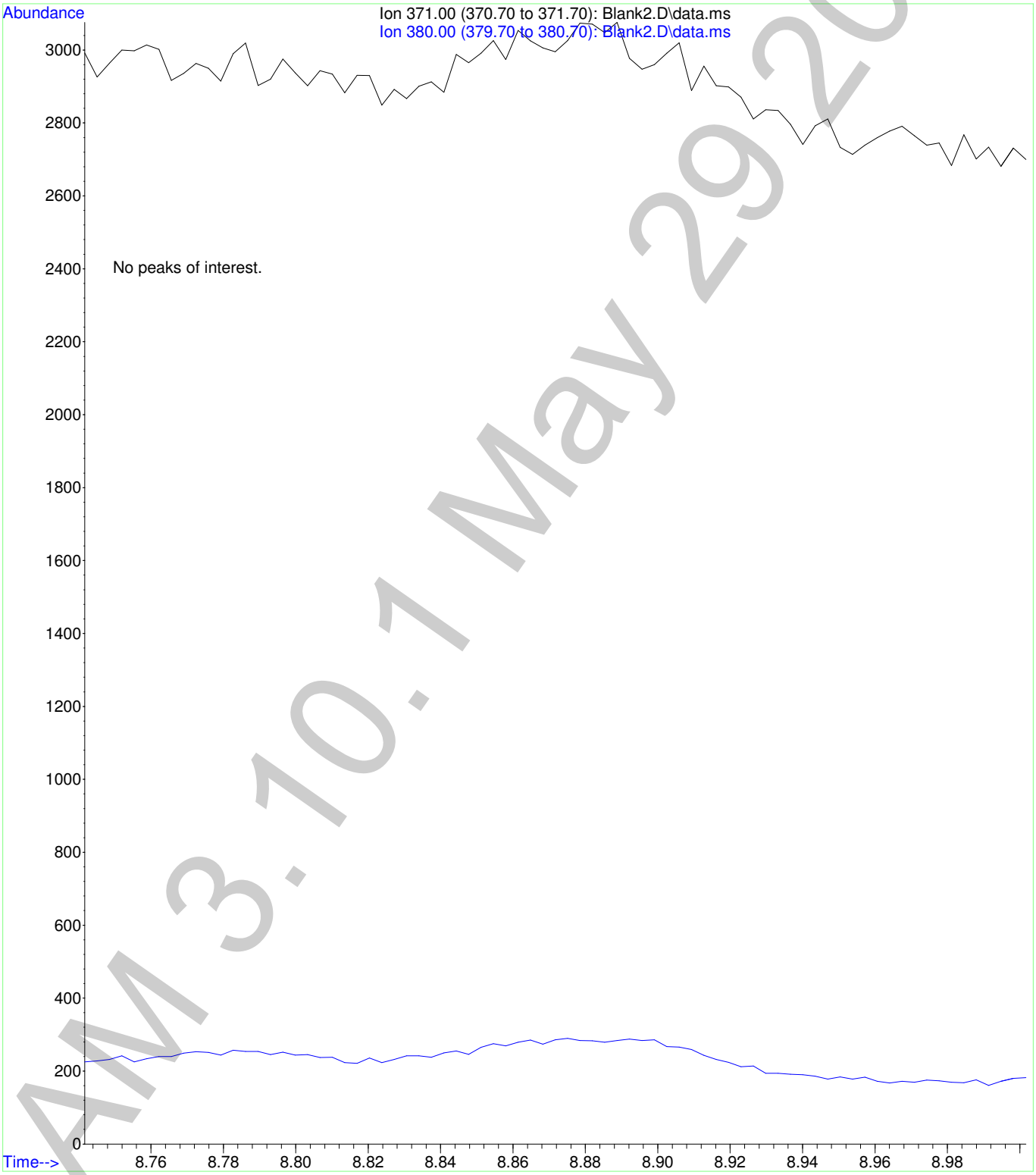
```
File        :F:\Data\052915CANN\High Control-1-fs.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  16:04     using AcqMethod CANNFS-11-10-2010.M
Instrument  :    Bones
Sample Name: High Control 60ng/mL
Misc Info   : Analytical Method 3.10.1
Vial Number: 10
```





AM 3.10.1 May 29 2015

```
File        :F:\Data\052915CANN\Blank2.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  16:34     using AcqMethod CANN-11-10-2010.M
Instrument :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 99
```



AM 3.10.1 May 29 2015

Calibration data of Carboxy-THC-D9-TMS

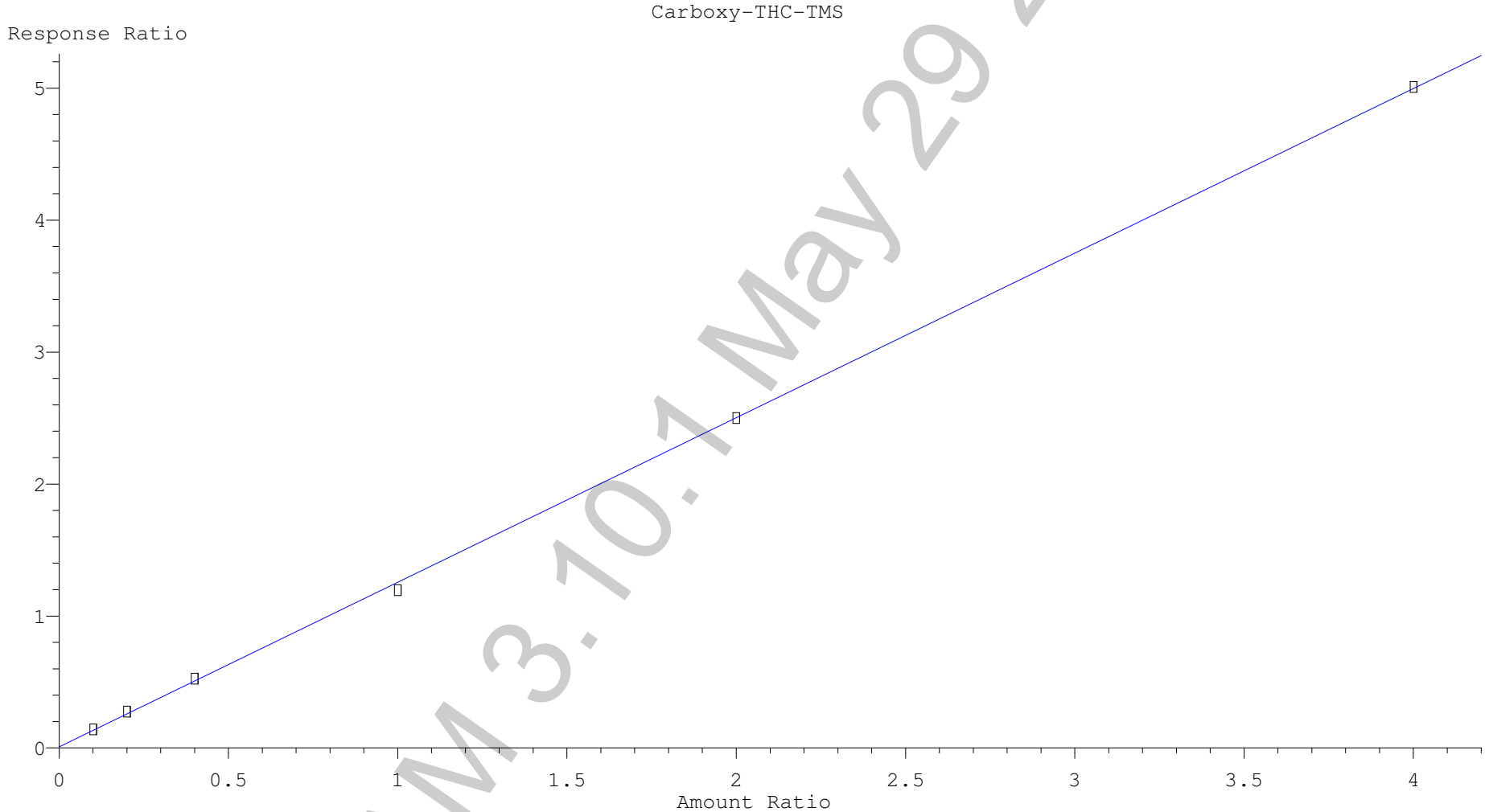
LvLID	Amount (ratio)	Response (ratio)	Data File
3	25.0000	16560.000000	F:\Data\052915CANN\Calibrator Level 3.D
1	25.0000	19620.000000	F:\Data\052915CANN\Calibrator Level 1.D
2	25.0000	19045.000000	F:\Data\052915CANN\Calibrator Level 2.D
4	25.0000	20164.000000	F:\Data\052915CANN\Calibrator Level 4.D
5	25.0000	19705.000000	F:\Data\052915CANN\Calibrator Level 5.D
6	25.0000	17210.000000	F:\Data\052915CANN\Calibrator Level 6.D

Internal Standard

AM 3.10.1 May 29 2015

Calibration data of Carboxy-THC-TMS

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
3	0.4000	0.523913	3.75	F:\Data\052915CANN\Calibrator Level 3.D
1	0.1000	0.139602	6.81	F:\Data\052915CANN\Calibrator Level 1.D
2	0.2000	0.274770	7.56	F:\Data\052915CANN\Calibrator Level 2.D
4	1.0000	1.195745	-4.61	F:\Data\052915CANN\Calibrator Level 4.D
5	2.0000	2.499772	-0.06	F:\Data\052915CANN\Calibrator Level 5.D
6	4.0000	5.008483	0.24	F:\Data\052915CANN\Calibrator Level 6.D



Resp Ratio = 1.248e+000 * Amt + 5.938e-003
Coef of Det (r^2) = 0.999756 Curve Fit: Linear

AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Negative Control.D
Acq On : 29 May 2015 16:48
Operator : Pocatello Laboratory
Sample : Negative Control: UTAK Lot B0689
Misc : Analytical Method 3.10.1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 01 09:13:37 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	21861	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.827	371	176	0.04	ng/mL# *	1

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

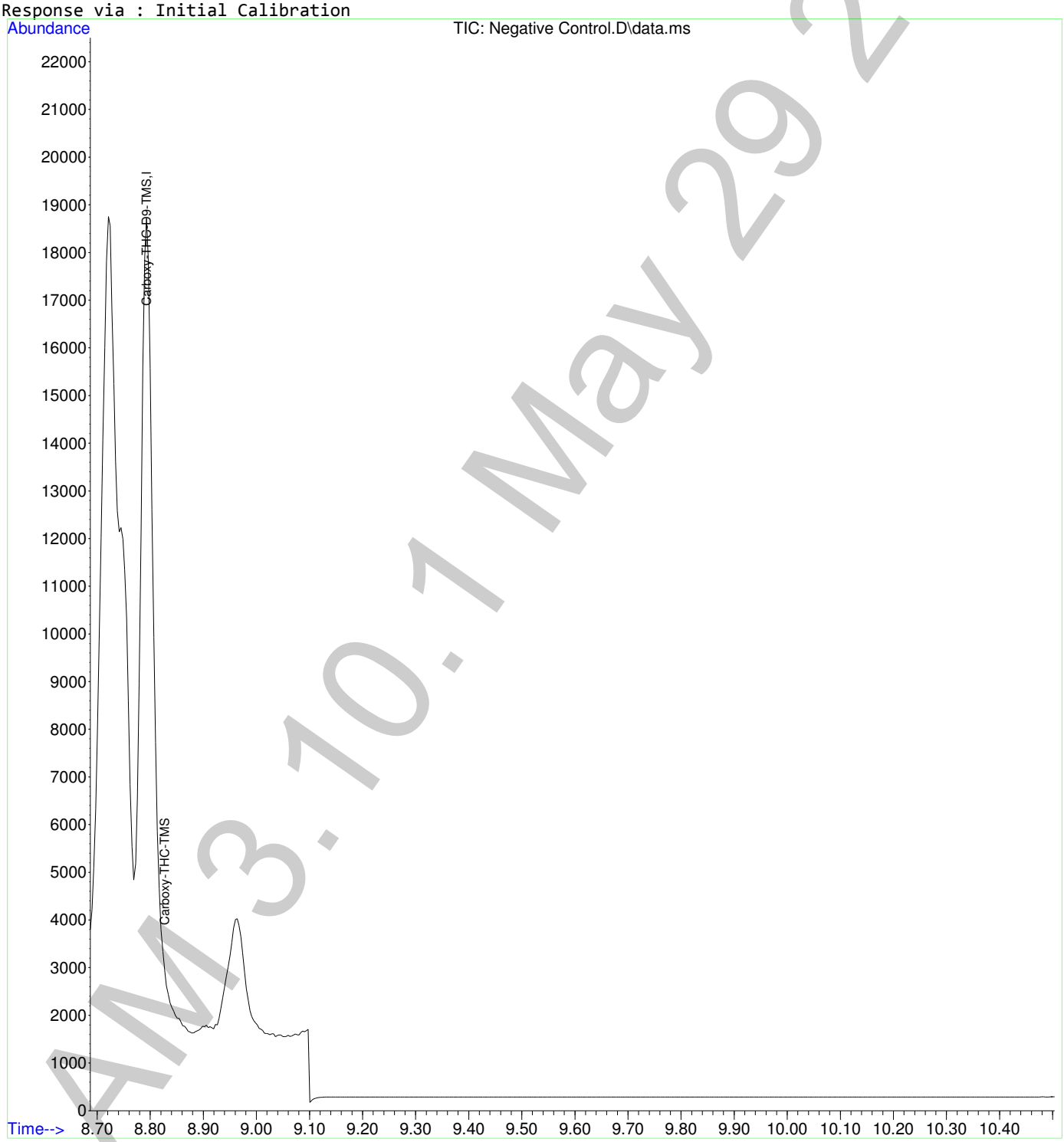
*None detected

AM 3.10.1 May 29 2015

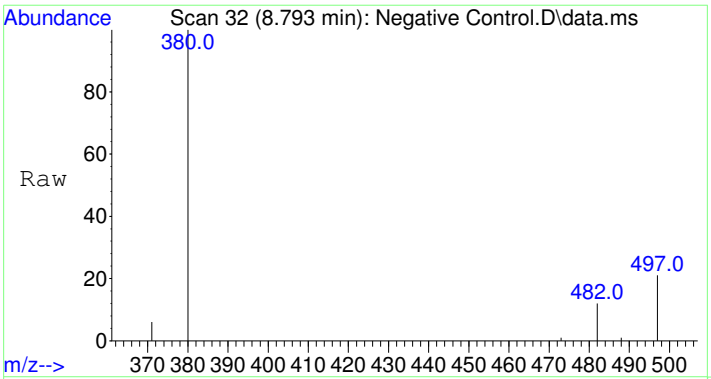
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Negative Control.D
Acq On : 29 May 2015 16:48
Operator : Pocatello Laboratory
Sample : Negative Control: UTAK Lot B0689
Misc : Analytical Method 3.10.1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 01 09:13:37 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



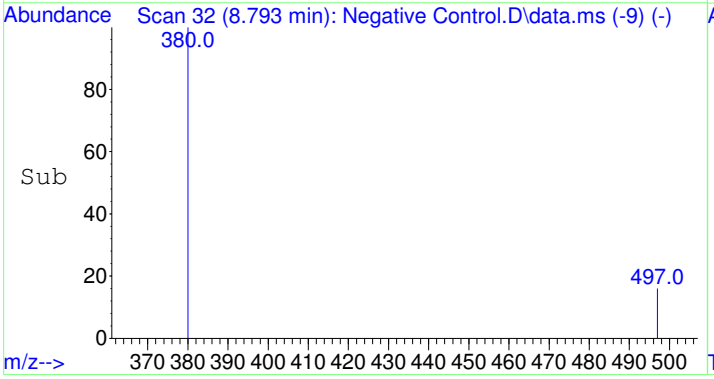
AM 3.10.1 May 29 2015

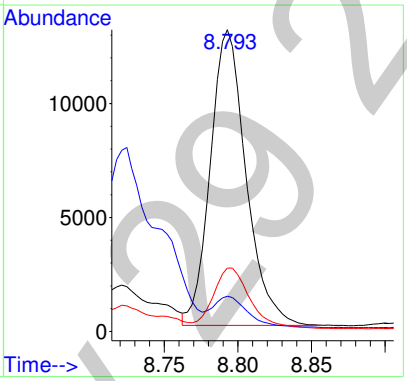


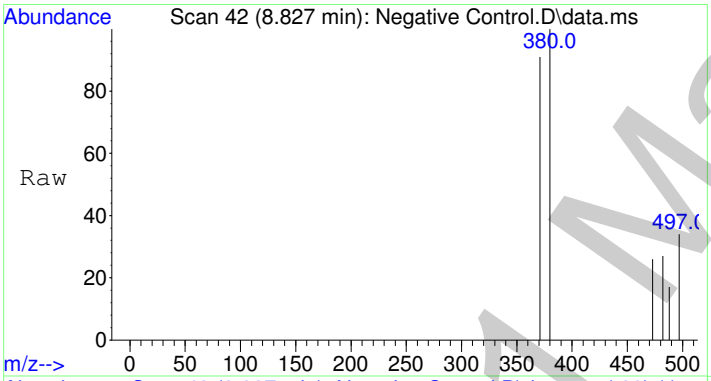
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: Negative Control.D
Acq: 29 May 2015 16:48

Tgt Ion:380 Resp: 21861

Ion	Ratio	Lower	Upper
380	100		
482	10.6	8.6	12.8
497	20.6	16.7	25.1



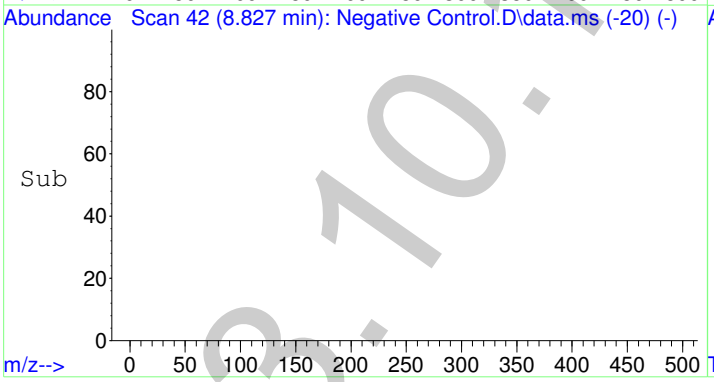


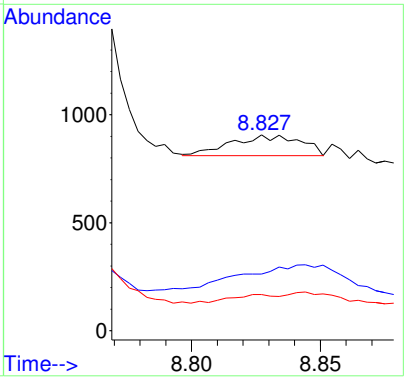


#2
Carboxy-THC-TMS
Concen: 0.04 ng/mL
RT: 8.827 min Scan# 42
Delta R.T. -0.004 min
Lab File: Negative Control.D
Acq: 29 May 2015 16:48

Tgt Ion:371 Resp: 176

Ion	Ratio	Lower	Upper
371	100		
473	249.4	31.0	46.4#
488	0.0	18.0	27.0#

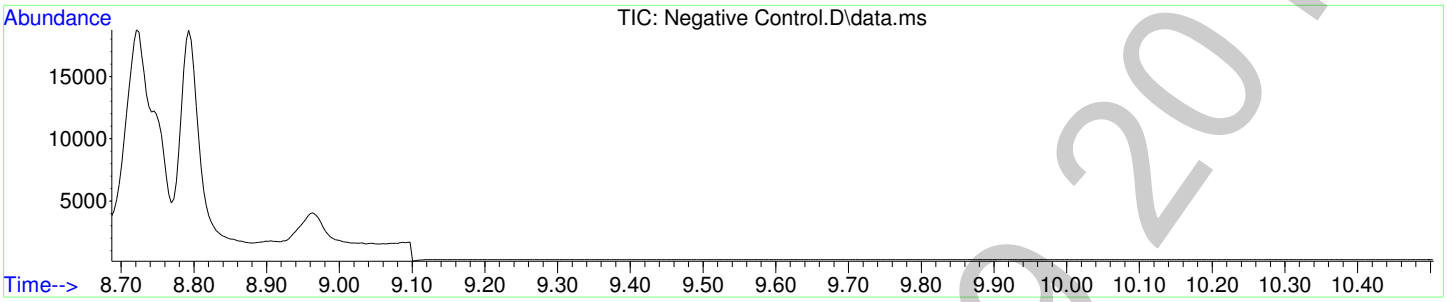




AM 3.10.1 May 29 2015

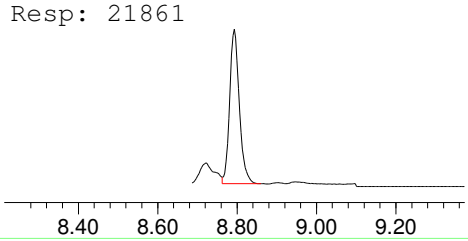
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Negative Control.D
Acq On : 29 May 2015 16:48
Operator : Pocatello Laboratory
Sample : Negative Control: UTAK Lot B0689
Misc : Analytical Method 3.10.1
ALS Vial : 1 Sample Multiplier: 1

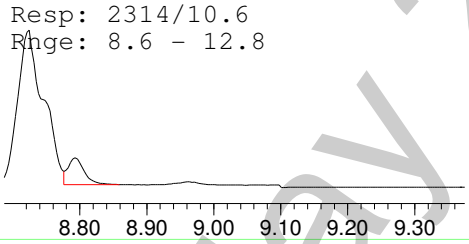


Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL

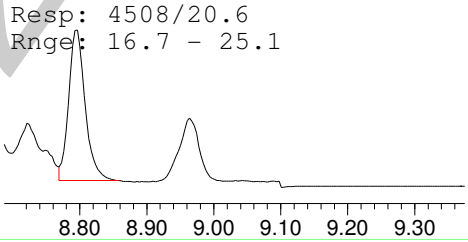
Ion: 380 (8.793)
Resp: 21861



Ion: 482 (8.793)
Resp: 2314/10.6
Rnge: 8.6 - 12.8

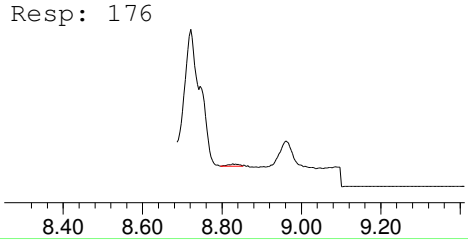


Ion: 497 (8.796)
Resp: 4508/20.6
Rnge: 16.7 - 25.1

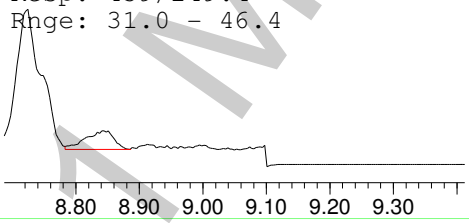


Carboxy-THC-TMS Amount: 0.04 ng/mL

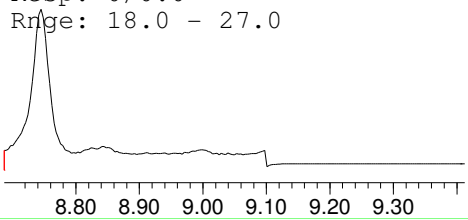
Ion: 371 (8.827)
Resp: 176



Ion: 473 (8.844)
Resp: 439/249.4
Rnge: 31.0 - 46.4



Ion: 488 Not Found
Resp: 0/0.0
Rnge: 18.0 - 27.0



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 1.D
Acq On : 29 May 2015 17:03
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: Jun 01 09:06:27 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	19620	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.831	371	2739	2.68	ng/mL	91

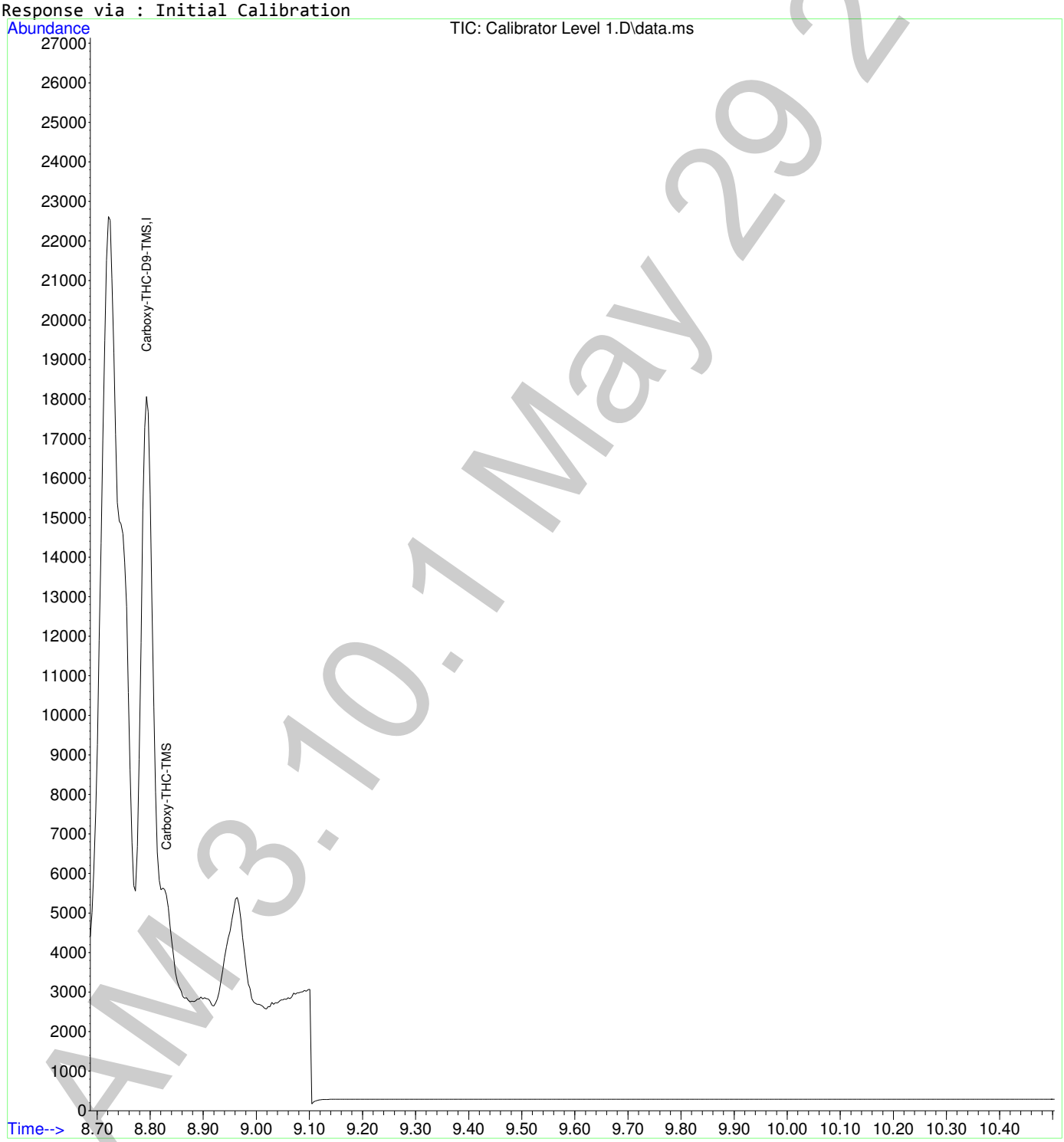
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

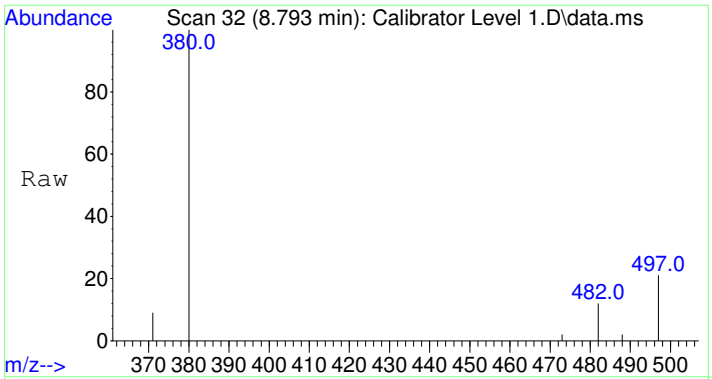
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 1.D
Acq On : 29 May 2015 17:03
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: Jun 01 09:06:27 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



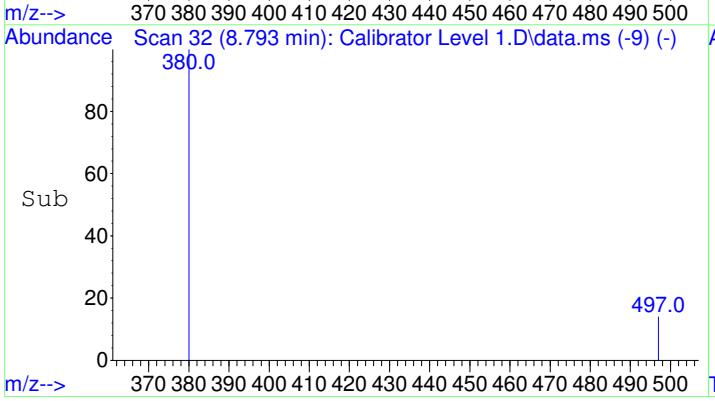
AM 3.10.1 May 29 2015

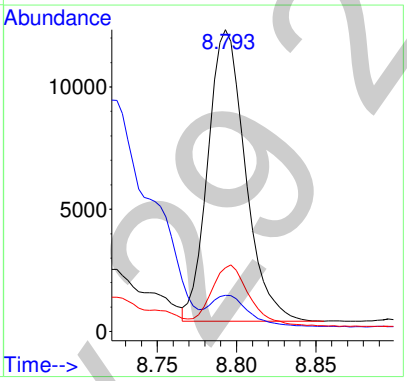


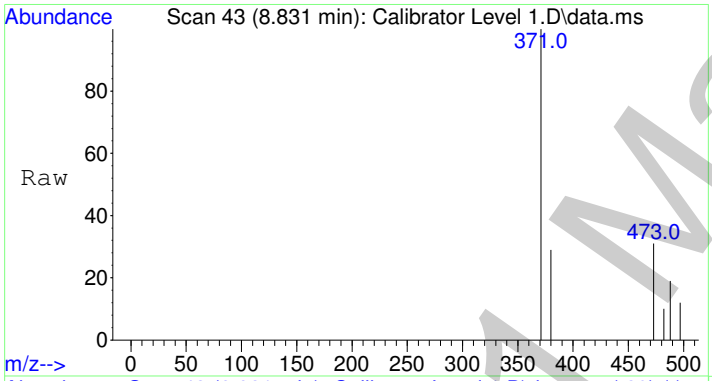
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. 0.000 min
Lab File: Calibrator Level 1.D
Acq: 29 May 2015 17:03

Tgt Ion:380 Resp: 19620

Ion	Ratio	Lower	Upper
380	100		
482	11.1	8.6	12.8
497	21.3	16.7	25.1



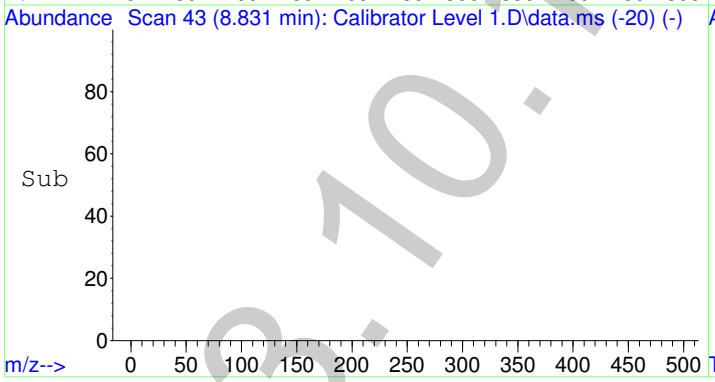


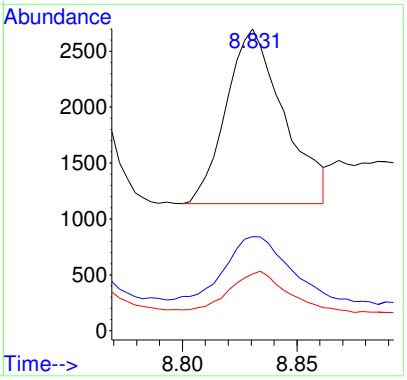


#2
Carboxy-THC-TMS
Concen: 2.68 ng/mL
RT: 8.831 min Scan# 43
Delta R.T. -0.000 min
Lab File: Calibrator Level 1.D
Acq: 29 May 2015 17:03

Tgt Ion:371 Resp: 2739

Ion	Ratio	Lower	Upper
371	100		
473	46.3	31.0	46.4
488	23.9	18.0	27.0

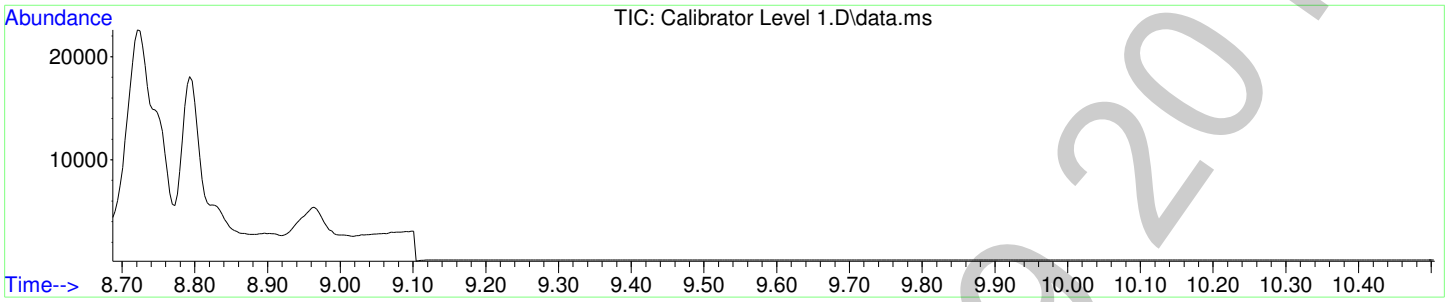




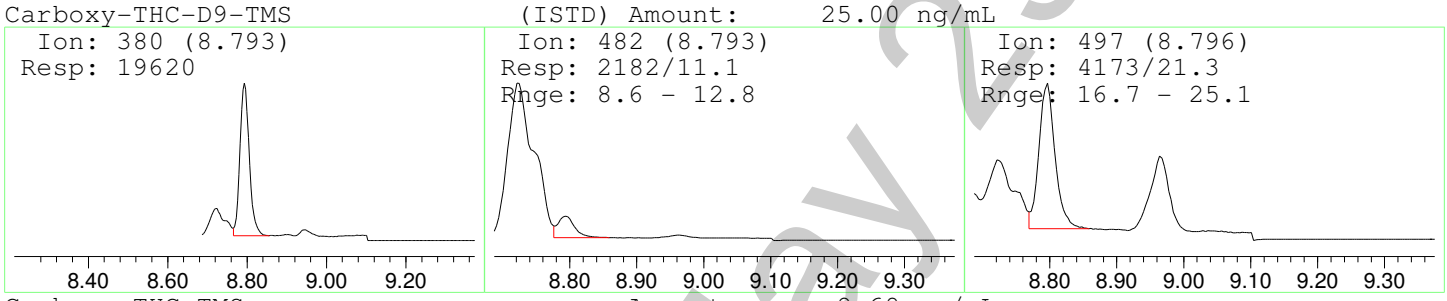
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

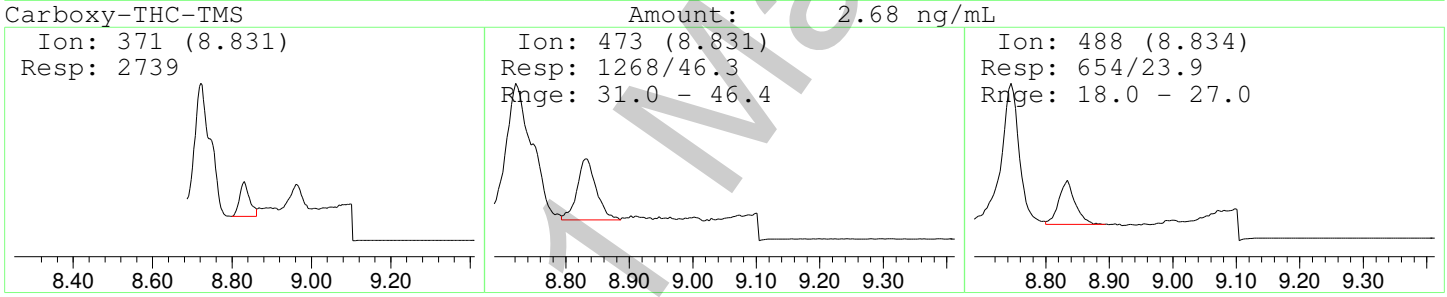
Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 1.D
Acq On : 29 May 2015 17:03
Operator : Pocatello Laboratory
Sample : Calibrator Level 1: 2.5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 2 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 2.68 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 2.D
Acq On : 29 May 2015 17:18
Operator : Pocatello Laboratory
Sample : Calibrator Level 2: 5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 09:07:11 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	19045	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.830	371	5233	5.39	ng/mL	97

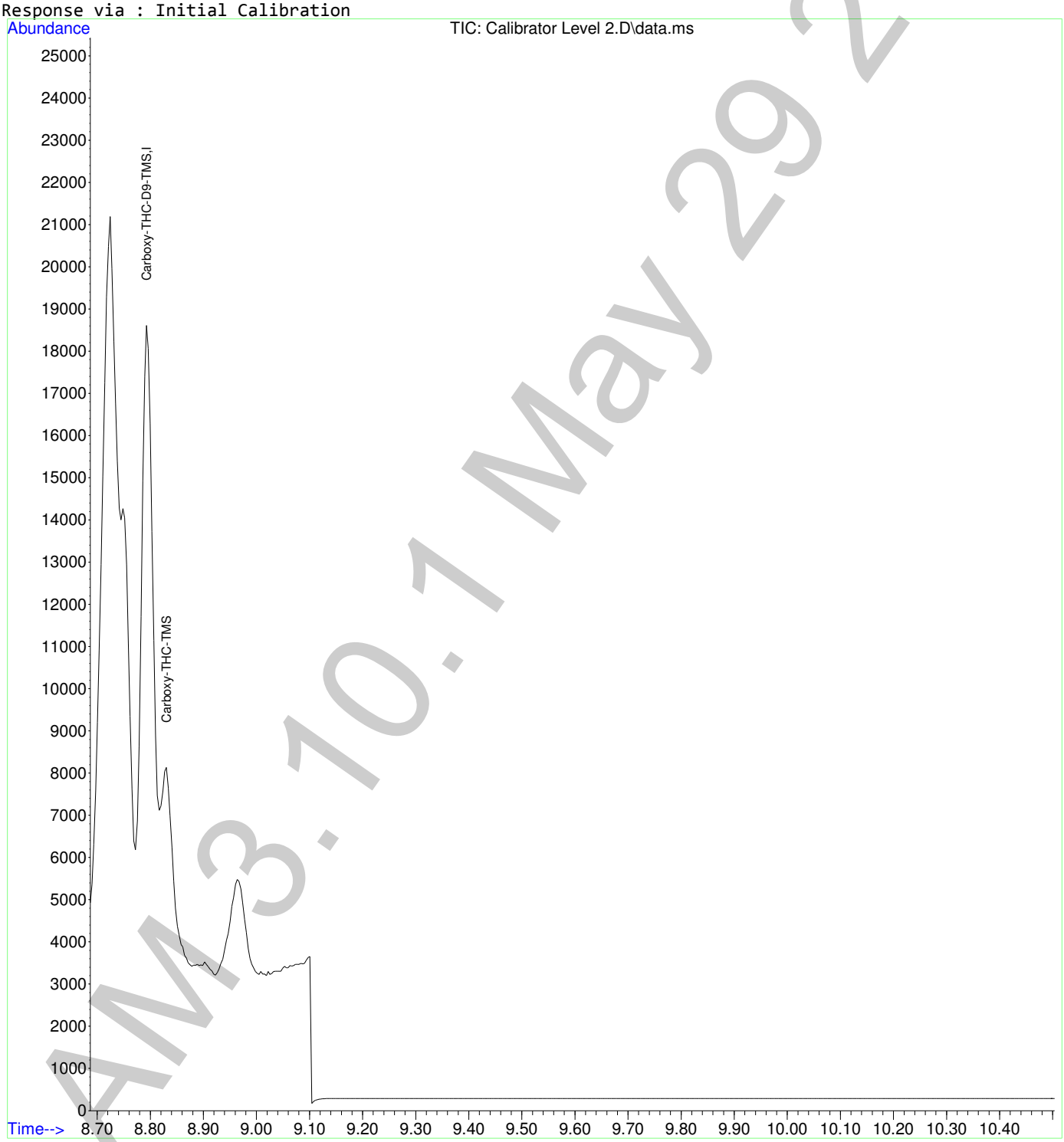
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

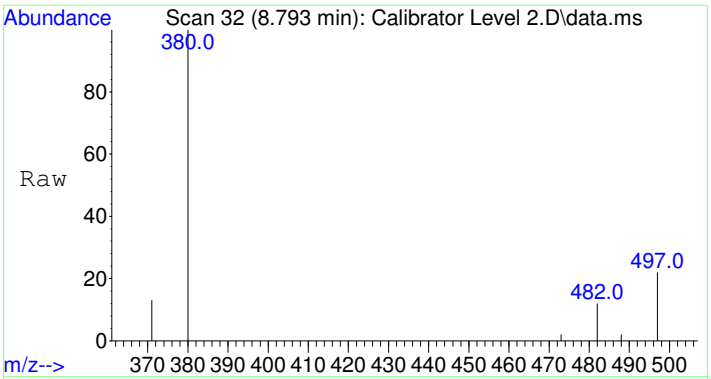
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 2.D
Acq On : 29 May 2015 17:18
Operator : Pocatello Laboratory
Sample : Calibrator Level 2: 5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 01 09:07:11 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



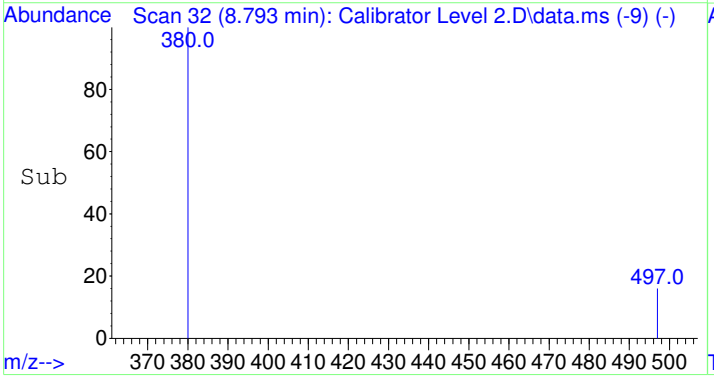
AM 3.10.1 May 29 2015

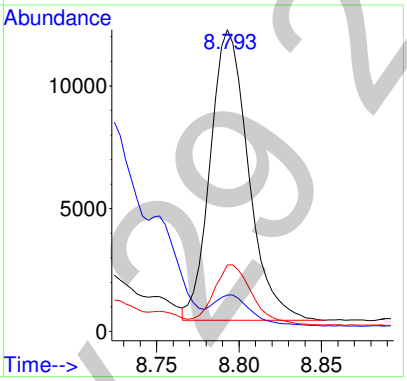


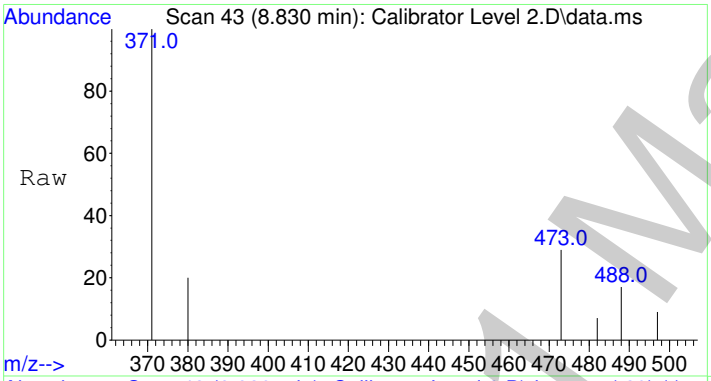
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: Calibrator Level 2.D
Acq: 29 May 2015 17:18

Tgt Ion:380 Resp: 19045

Ion	Ratio	Lower	Upper
380	100		
482	10.6	8.6	12.8
497	20.9	16.7	25.1



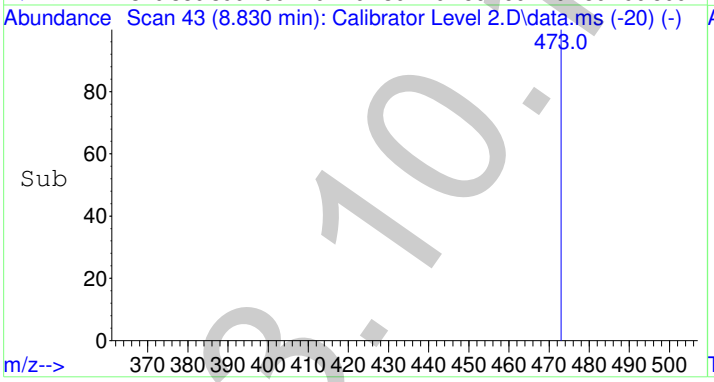


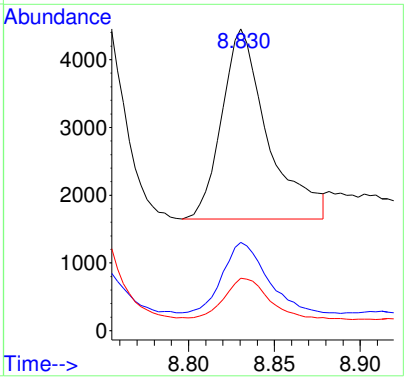


#2
Carboxy-THC-TMS
Concen: 5.39 ng/mL
RT: 8.830 min Scan# 43
Delta R.T. -0.001 min
Lab File: Calibrator Level 2.D
Acq: 29 May 2015 17:18

Tgt Ion:371 Resp: 5233

Ion	Ratio	Lower	Upper
371	100		
473	36.4	31.0	46.4
488	21.3	18.0	27.0

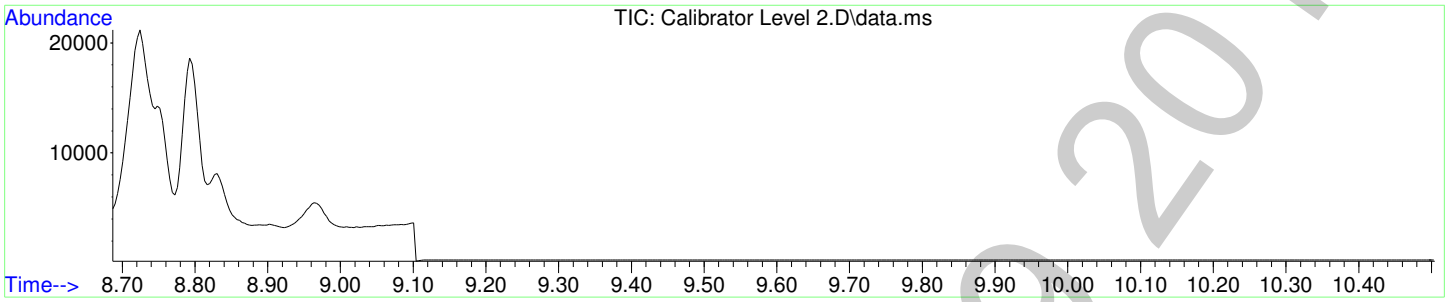




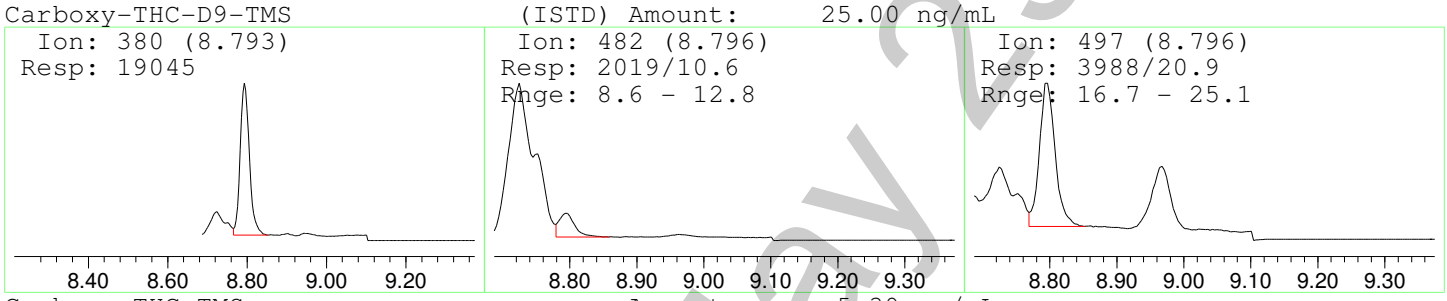
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

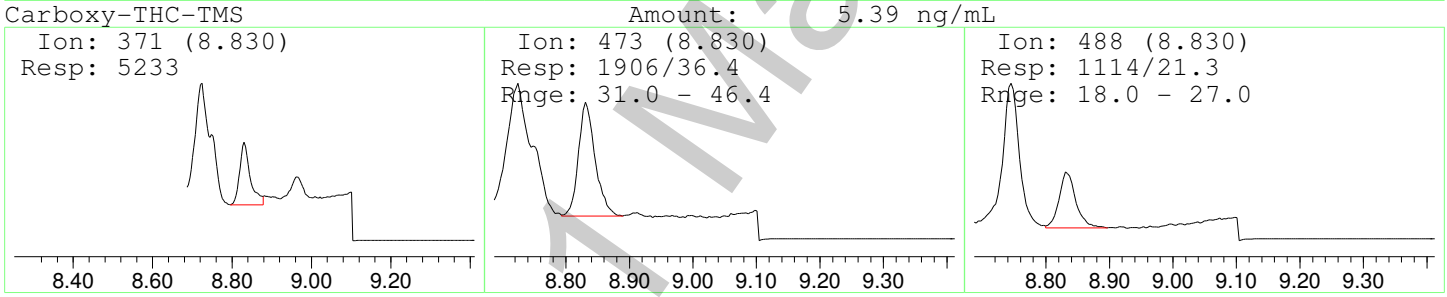
Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 2.D
Acq On : 29 May 2015 17:18
Operator : Pocatello Laboratory
Sample : Calibrator Level 2: 5 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 3 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 5.39 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 3.D
Acq On : 29 May 2015 17:33
Operator : Pocatello Laboratory
Sample : Calibrator Level 3: 10 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 09:07:47 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	16560	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.831	371	8676	10.38	ng/mL	100

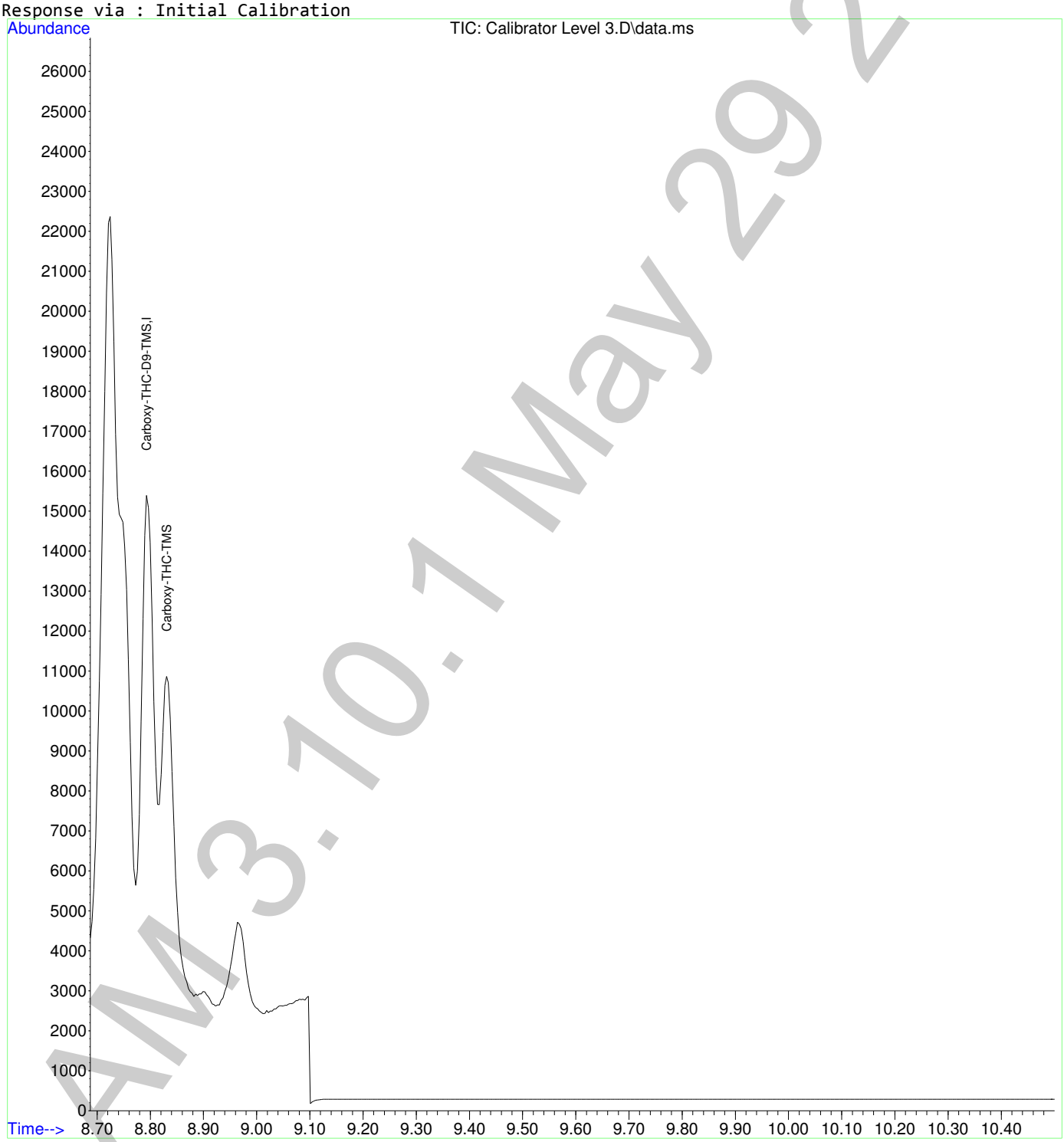
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

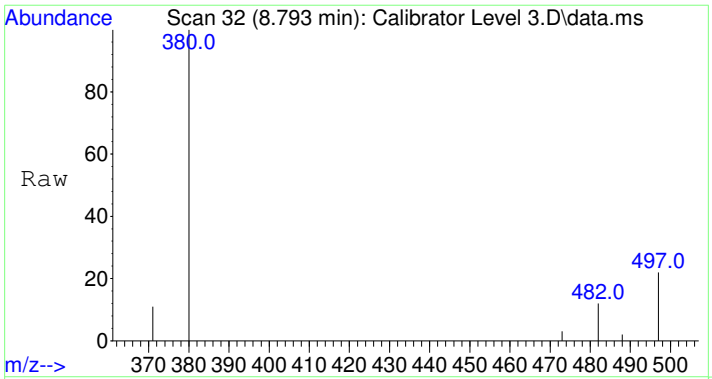
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 3.D
Acq On : 29 May 2015 17:33
Operator : Pocatello Laboratory
Sample : Calibrator Level 3: 10 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 09:07:47 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



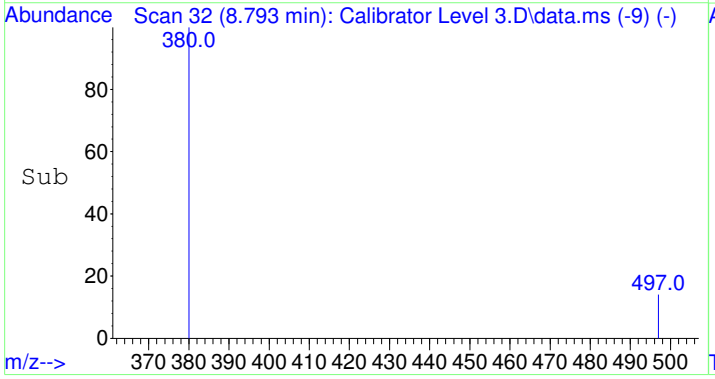
AM 3.10.1 May 29 2015

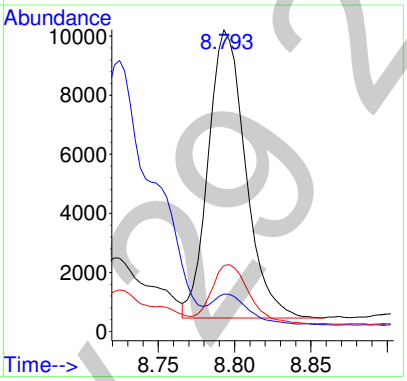


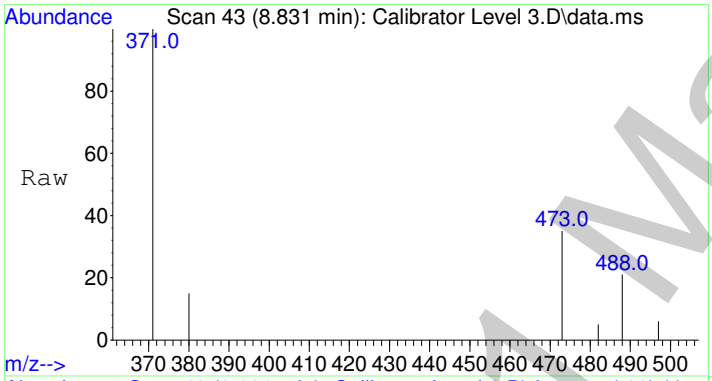
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: Calibrator Level 3.D
Acq: 29 May 2015 17:33

Tgt Ion:380 Resp: 16560

Ion	Ratio	Lower	Upper
380	100		
482	10.7	8.6	12.8
497	20.9	16.7	25.1



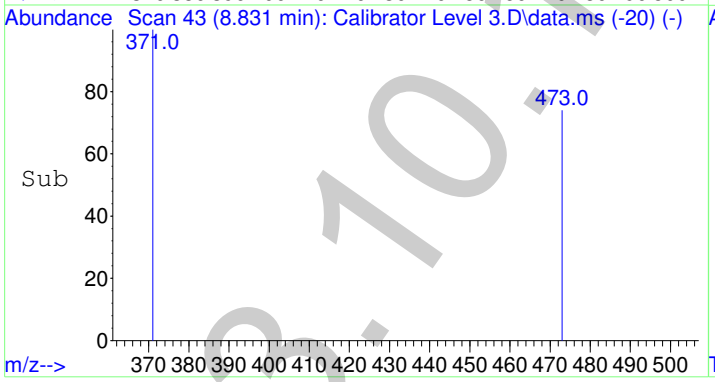


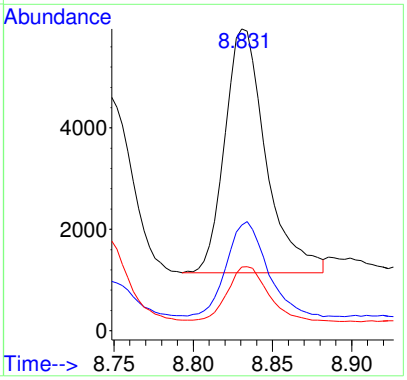


#2
Carboxy-THC-TMS
Concen: 10.38 ng/mL
RT: 8.831 min Scan# 43
Delta R.T. -0.000 min
Lab File: Calibrator Level 3.D
Acq: 29 May 2015 17:33

Tgt Ion:371 Resp: 8676

Ion	Ratio	Lower	Upper
371	100		
473	38.7	31.0	46.4
488	22.5	18.0	27.0

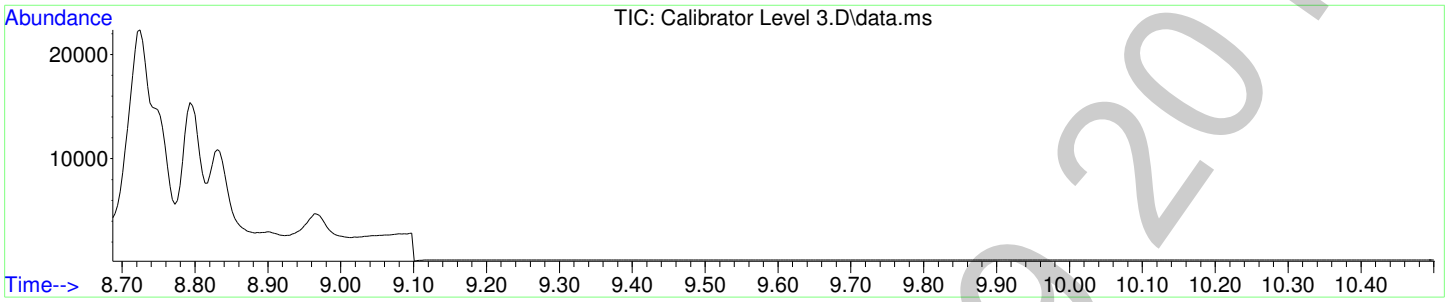




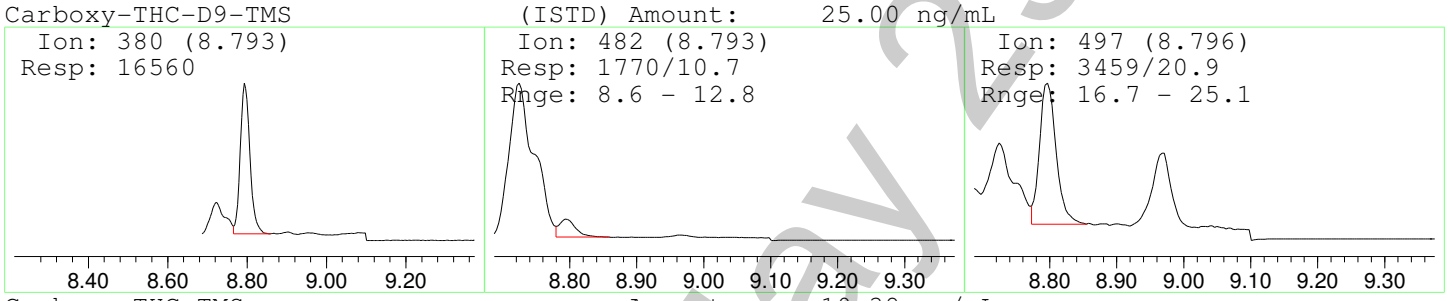
AM 3.10 1 May 29 2015

Quantitation Report (Not Reviewed)

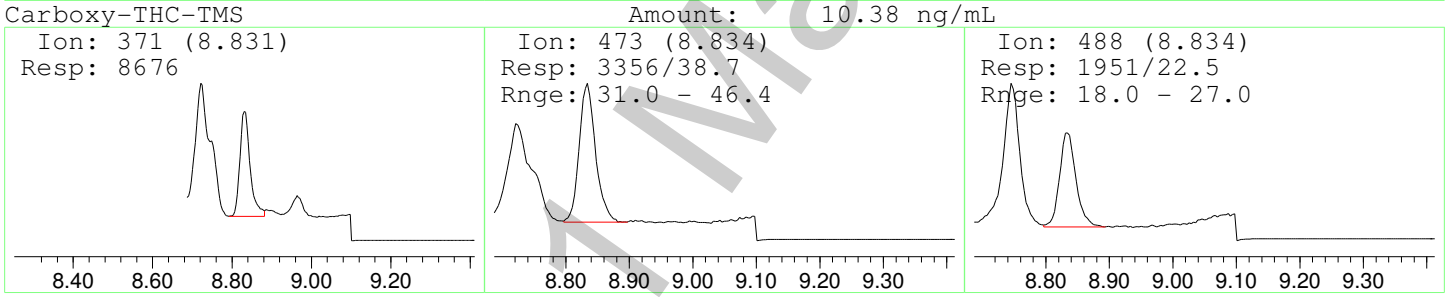
Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 3.D
Acq On : 29 May 2015 17:33
Operator : Pocatello Laboratory
Sample : Calibrator Level 3: 10 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 4 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 10.38 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 4.D
Acq On : 29 May 2015 17:47
Operator : Pocatello Laboratory
Sample : Calibrator Level 4: 25 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 01 09:08:28 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	20164	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.831	371	24218	23.95	ng/mL	97

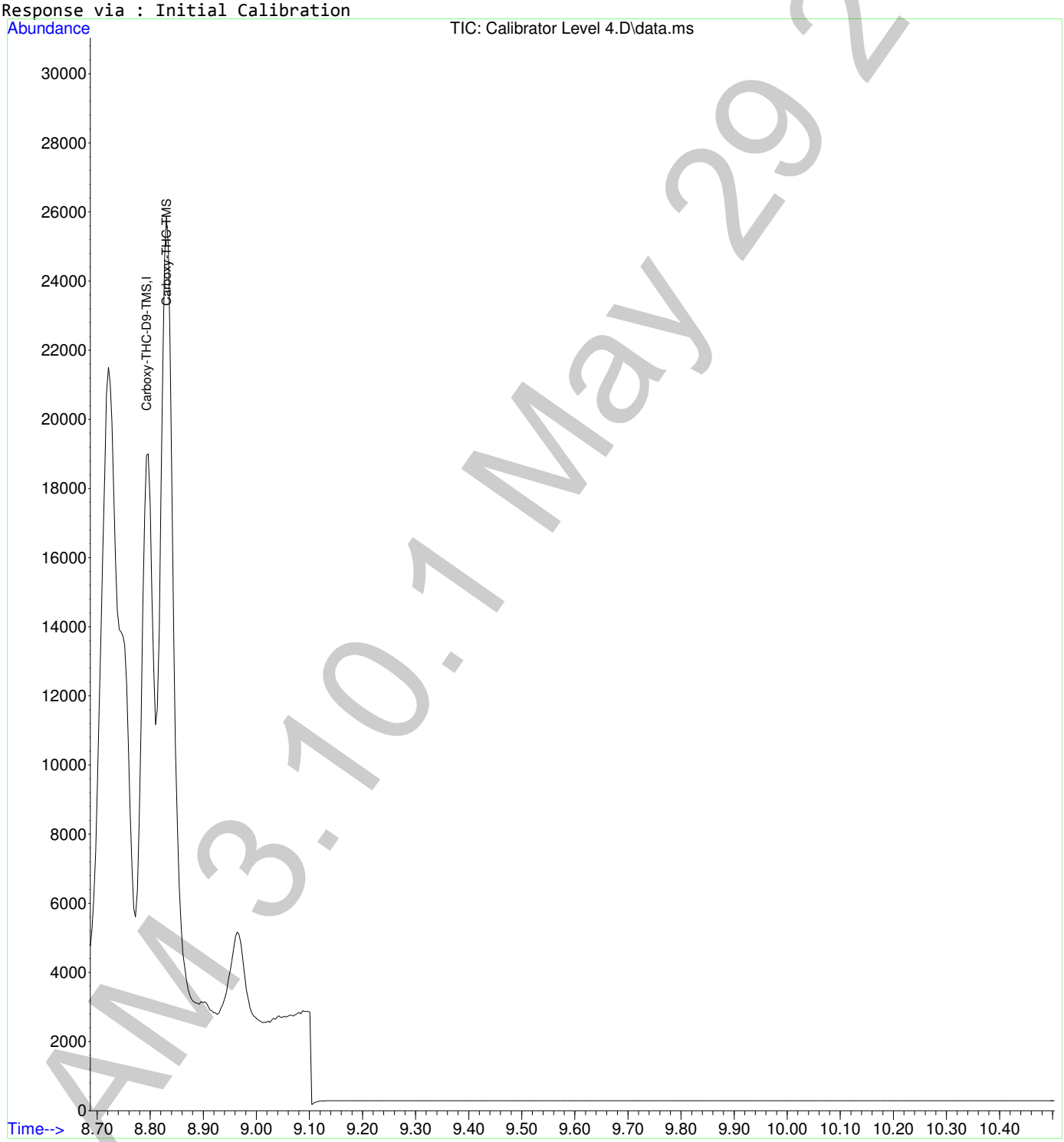
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

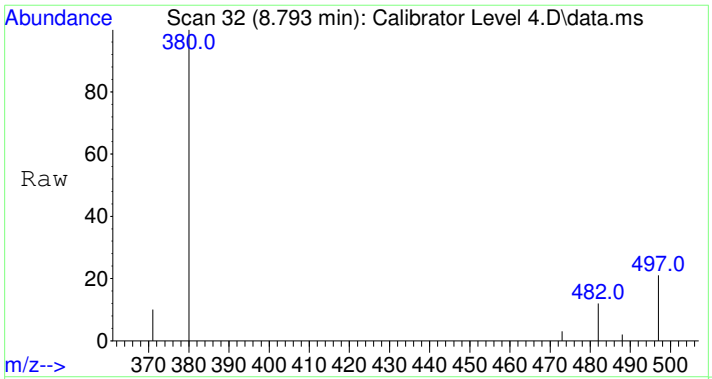
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 4.D
Acq On : 29 May 2015 17:47
Operator : Pocatello Laboratory
Sample : Calibrator Level 4: 25 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 01 09:08:28 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



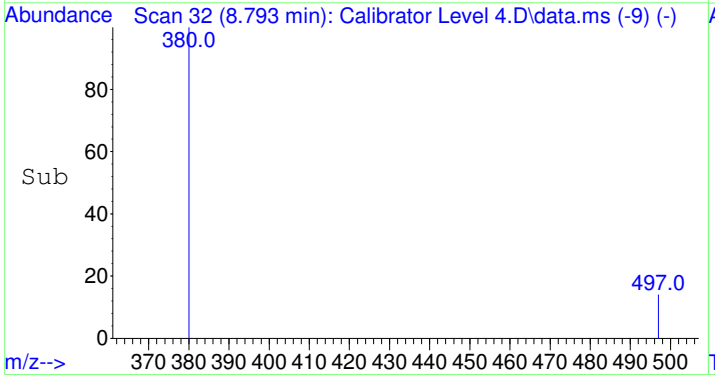
AM 3.10.1 May 29 2015

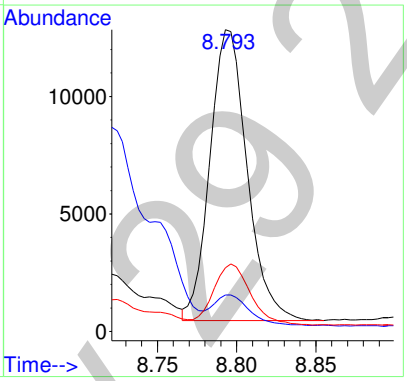


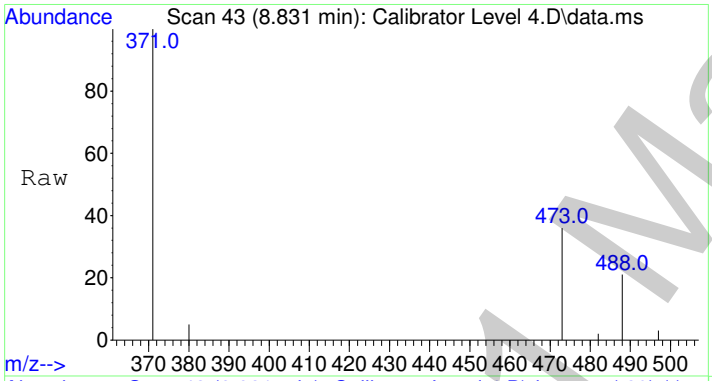
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: Calibrator Level 4.D
Acq: 29 May 2015 17:47

Tgt Ion:380 Resp: 20164

Ion	Ratio	Lower	Upper
380	100		
482	10.2	8.6	12.8
497	20.8	16.7	25.1



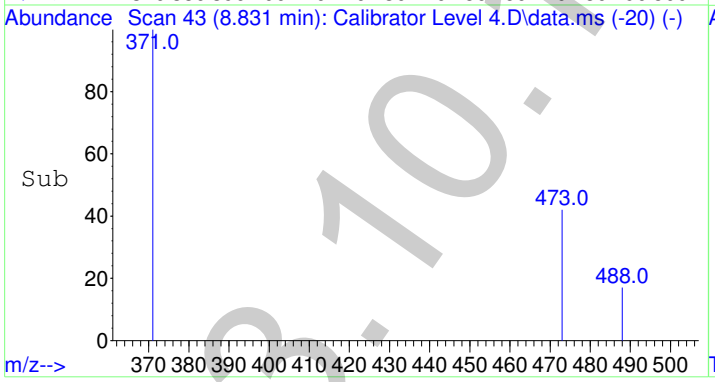


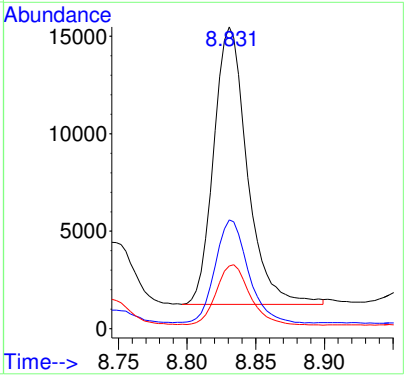


#2
Carboxy-THC-TMS
Concen: 23.95 ng/mL
RT: 8.831 min Scan# 43
Delta R.T. -0.000 min
Lab File: Calibrator Level 4.D
Acq: 29 May 2015 17:47

Tgt Ion:371 Resp: 24218

Ion	Ratio	Lower	Upper
371	100		
473	36.6	31.0	46.4
488	21.9	18.0	27.0

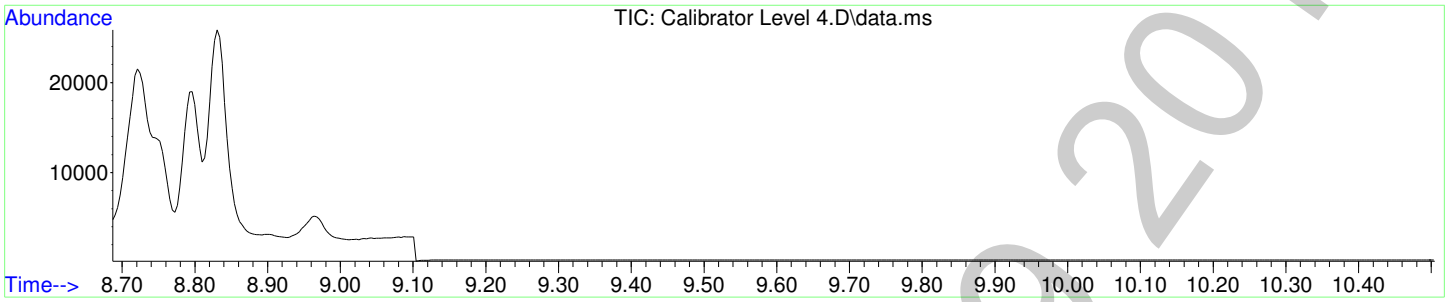




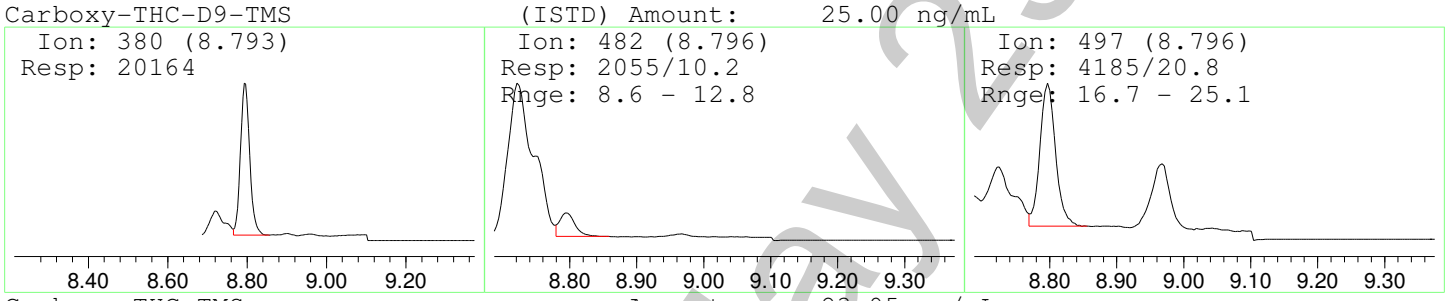
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

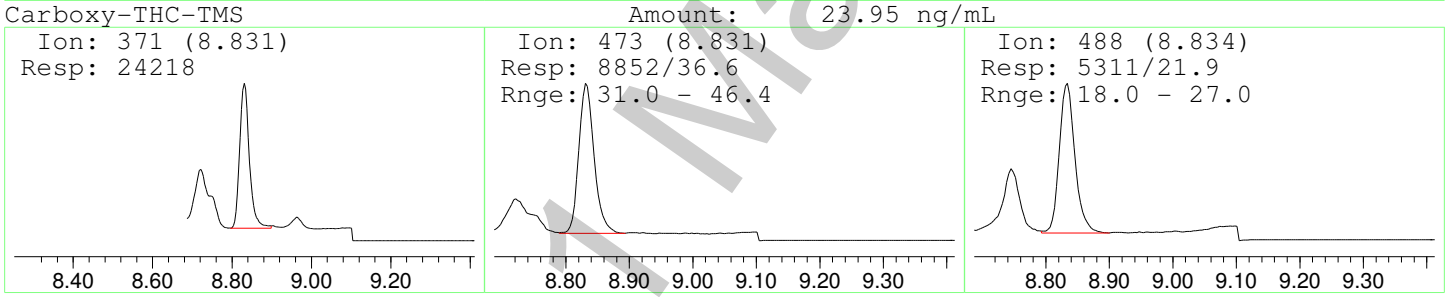
Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 4.D
Acq On : 29 May 2015 17:47
Operator : Pocatello Laboratory
Sample : Calibrator Level 4: 25 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 5 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 23.95 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 5.D
Acq On : 29 May 2015 18:02
Operator : Pocatello Laboratory
Sample : Calibrator Level 5: 50 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 01 09:09:03 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	19705	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.831	371	49258	49.97	ng/mL	97

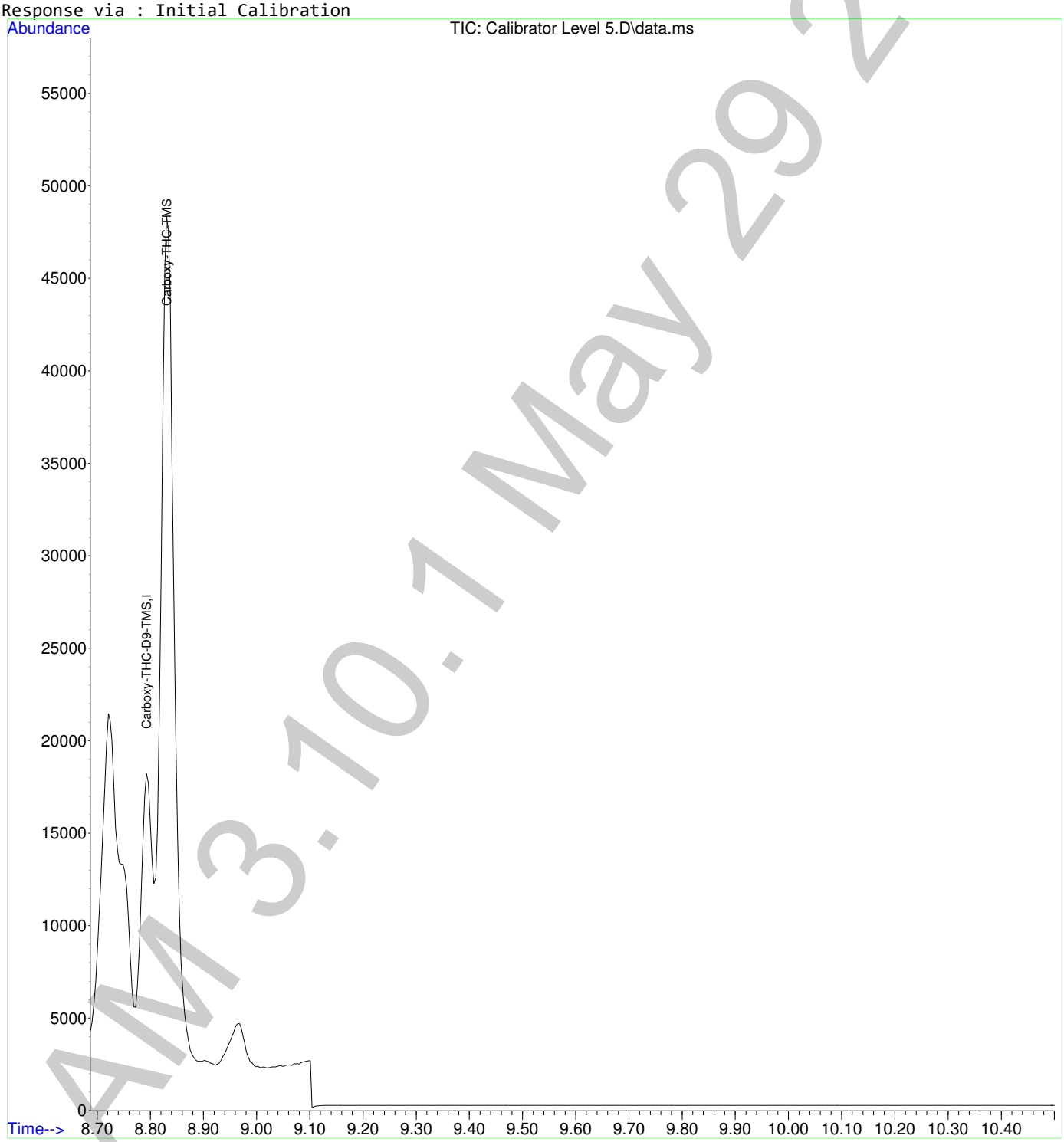
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

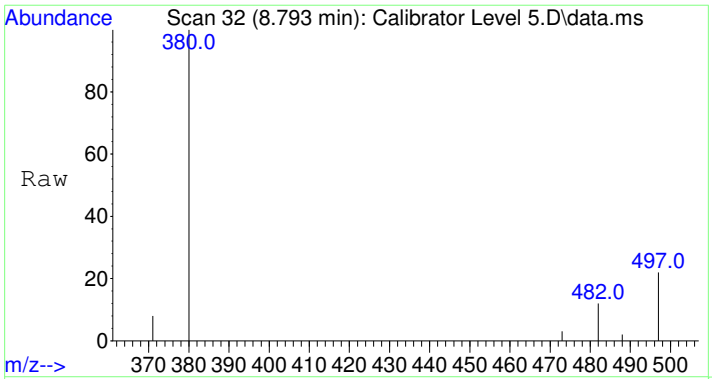
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 5.D
Acq On : 29 May 2015 18:02
Operator : Pocatello Laboratory
Sample : Calibrator Level 5: 50 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 01 09:09:03 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



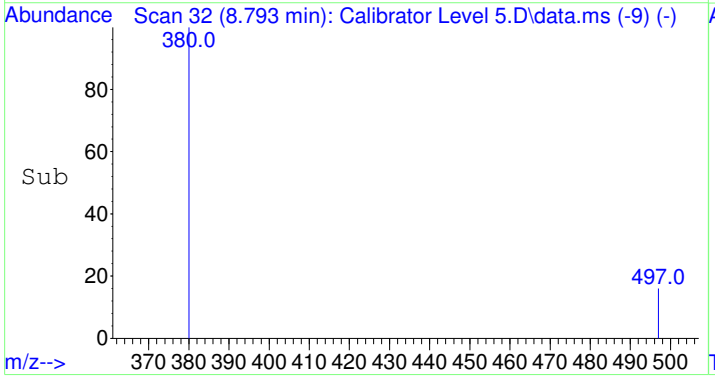
AM 3.10.1 May 29 2015

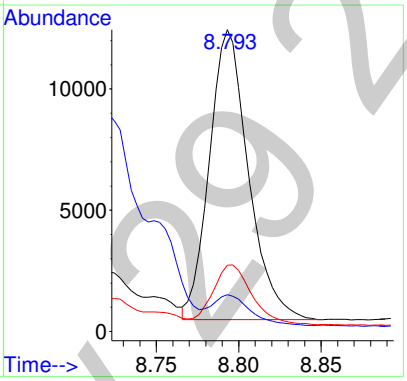


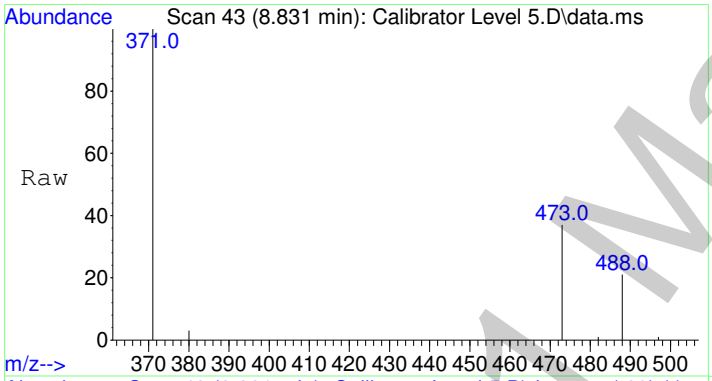
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. 0.000 min
Lab File: Calibrator Level 5.D
Acq: 29 May 2015 18:02

Tgt Ion:380 Resp: 19705

Ion	Ratio	Lower	Upper
380	100		
482	10.6	8.6	12.8
497	20.9	16.7	25.1



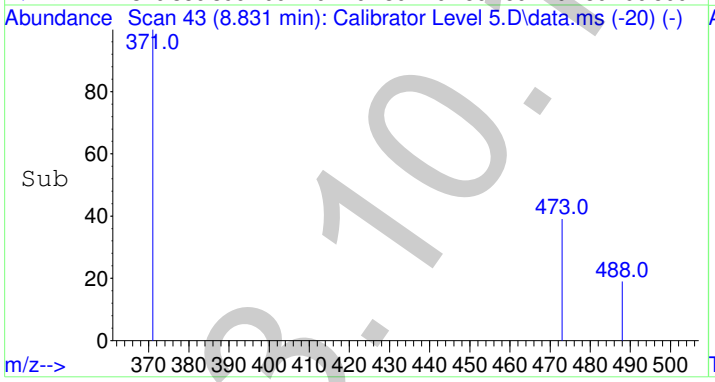


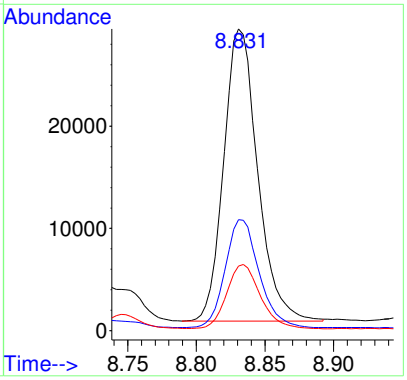


#2
Carboxy-THC-TMS
Concen: 49.97 ng/mL
RT: 8.831 min Scan# 43
Delta R.T. -0.000 min
Lab File: Calibrator Level 5.D
Acq: 29 May 2015 18:02

Tgt Ion:371 Resp: 49258

Ion	Ratio	Lower	Upper
371	100		
473	36.6	31.0	46.4
488	21.7	18.0	27.0

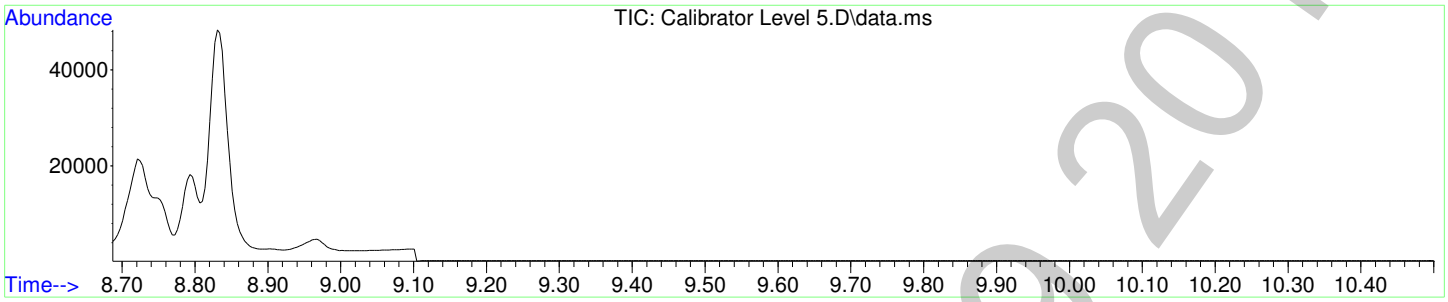




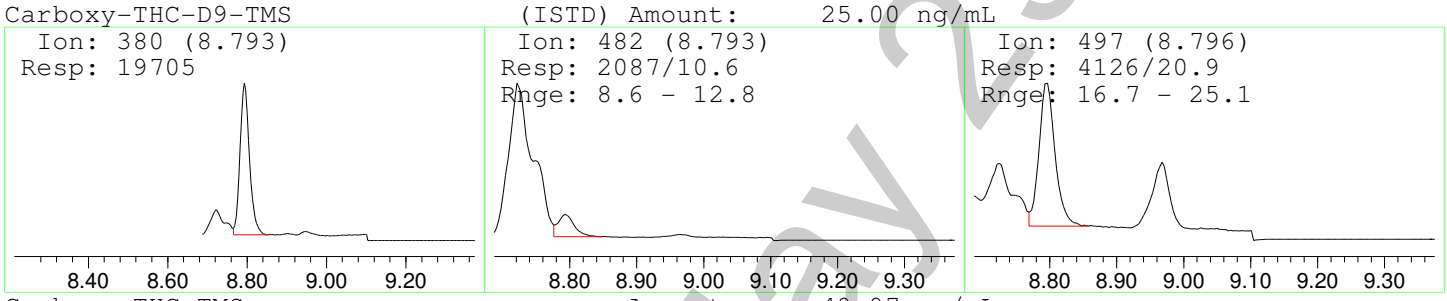
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

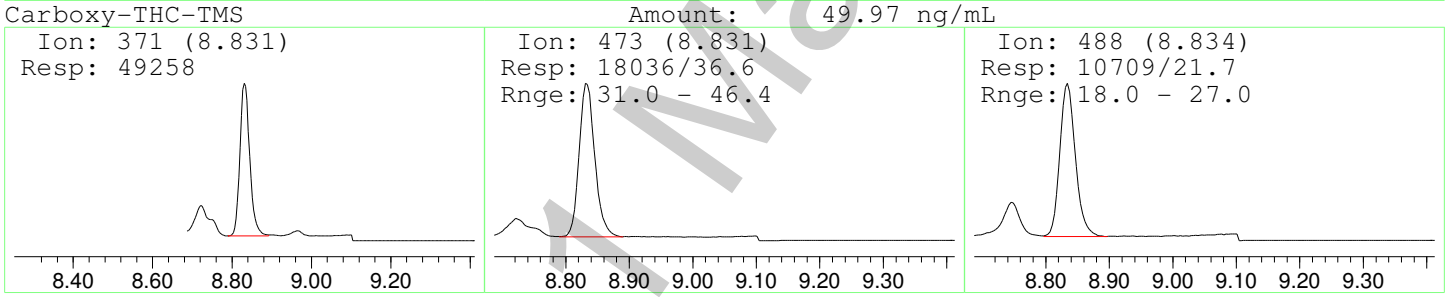
Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 5.D
Acq On : 29 May 2015 18:02
Operator : Pocatello Laboratory
Sample : Calibrator Level 5: 50 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 6 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 49.97 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 6.D
Acq On : 29 May 2015 18:16
Operator : Pocatello Laboratory
Sample : Calibrator Level 6: 100 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 01 09:09:38 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	17210	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.831	371	86247	100.30	ng/mL	97

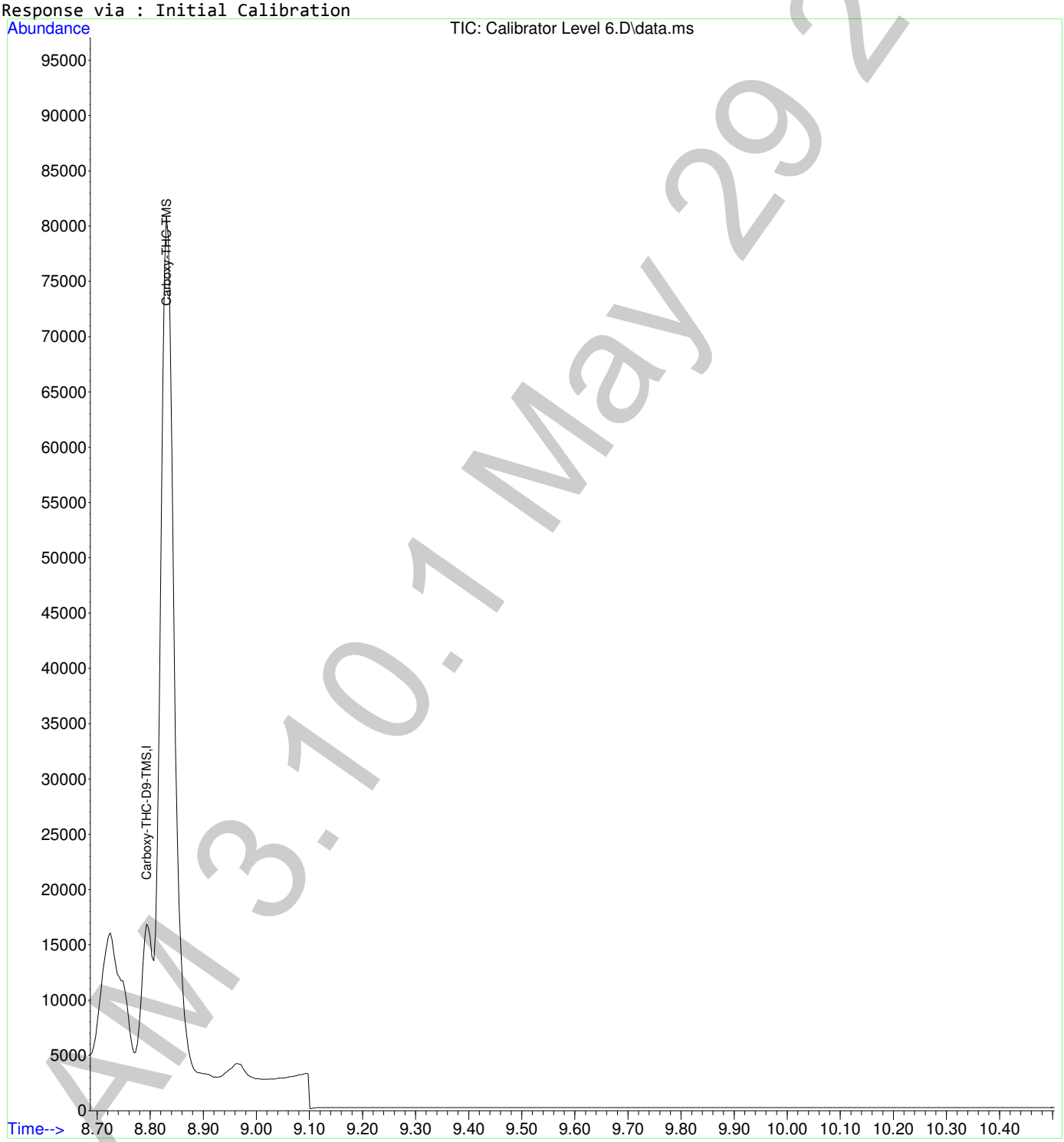
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

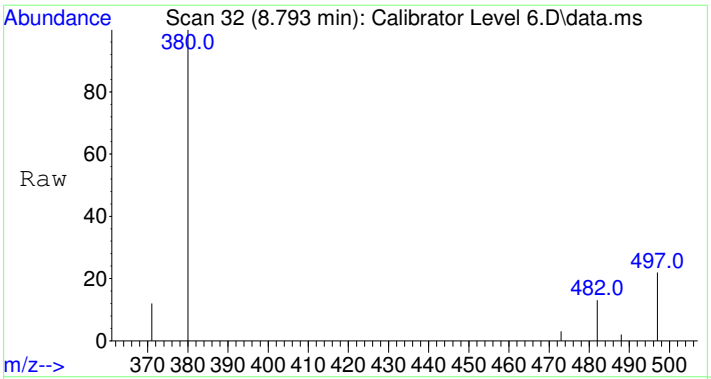
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 6.D
Acq On : 29 May 2015 18:16
Operator : Pocatello Laboratory
Sample : Calibrator Level 6: 100 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 01 09:09:38 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



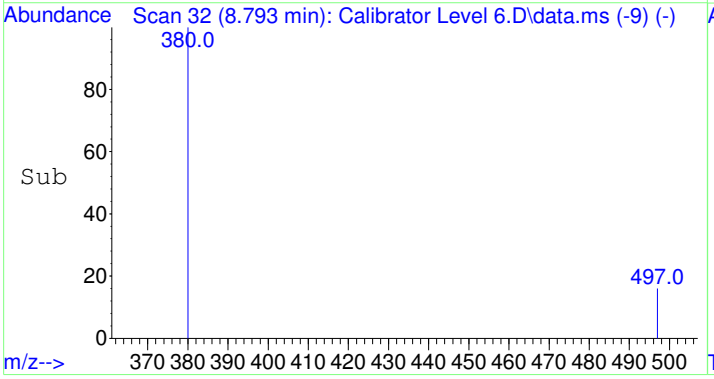
AM 3.10.1 May 29 2015

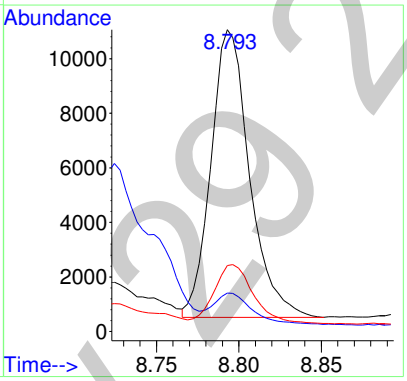


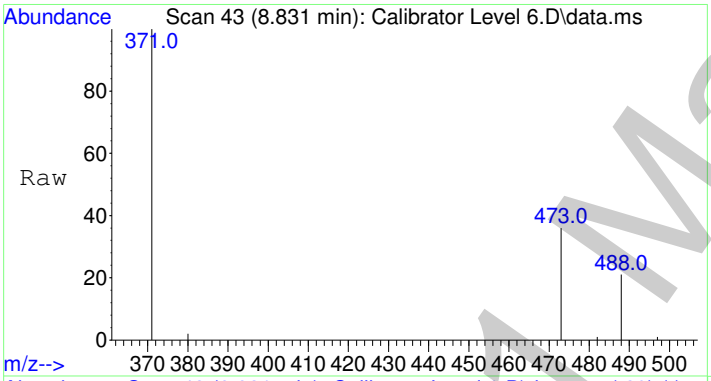
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: Calibrator Level 6.D
Acq: 29 May 2015 18:16

Tgt Ion:380 Resp: 17210

Ion	Ratio	Lower	Upper
380	100		
482	11.0	8.6	12.8
497	20.8	16.7	25.1



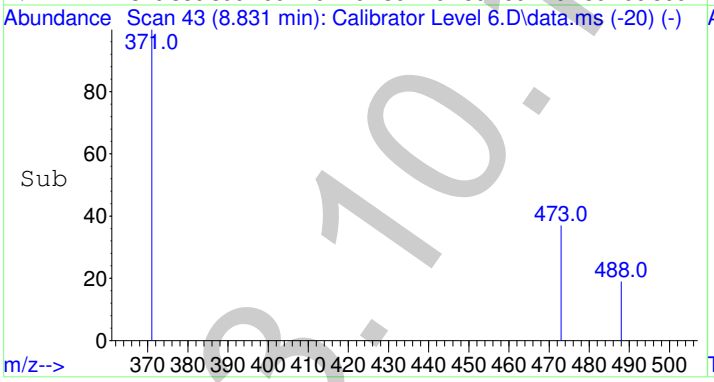


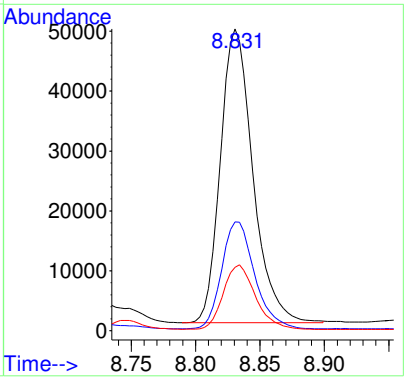


#2
Carboxy-THC-TMS
Concen: 100.30 ng/mL
RT: 8.831 min Scan# 43
Delta R.T. -0.000 min
Lab File: Calibrator Level 6.D
Acq: 29 May 2015 18:16

Tgt Ion:371 Resp: 86247

Ion	Ratio	Lower	Upper
371	100		
473	36.8	31.0	46.4
488	21.7	18.0	27.0

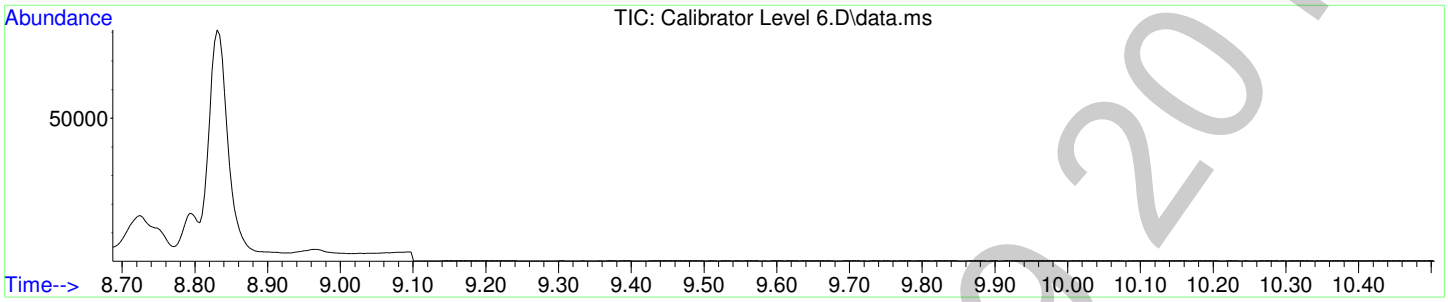




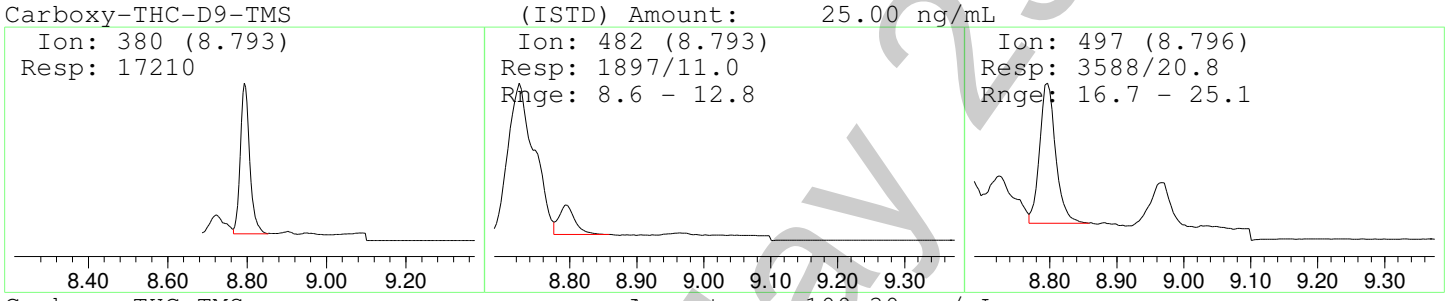
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

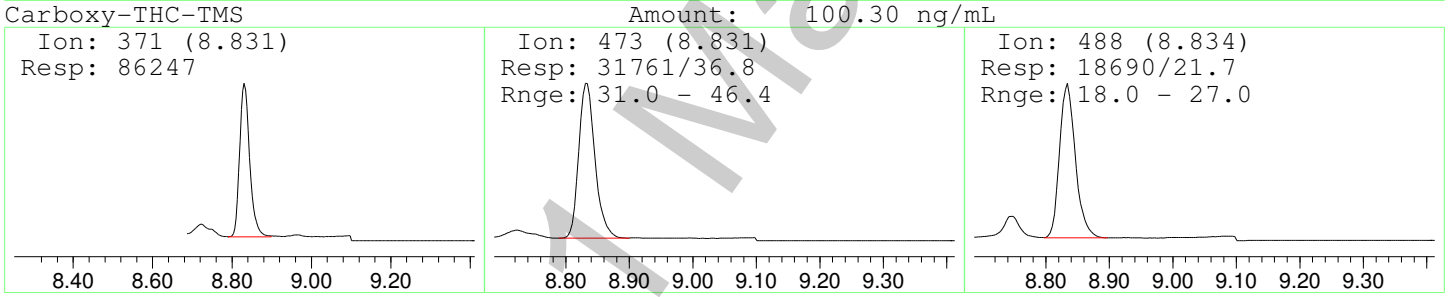
Data Path : F:\Data\052915CANN\
Data File : Calibrator Level 6.D
Acq On : 29 May 2015 18:16
Operator : Pocatello Laboratory
Sample : Calibrator Level 6: 100 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 7 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL

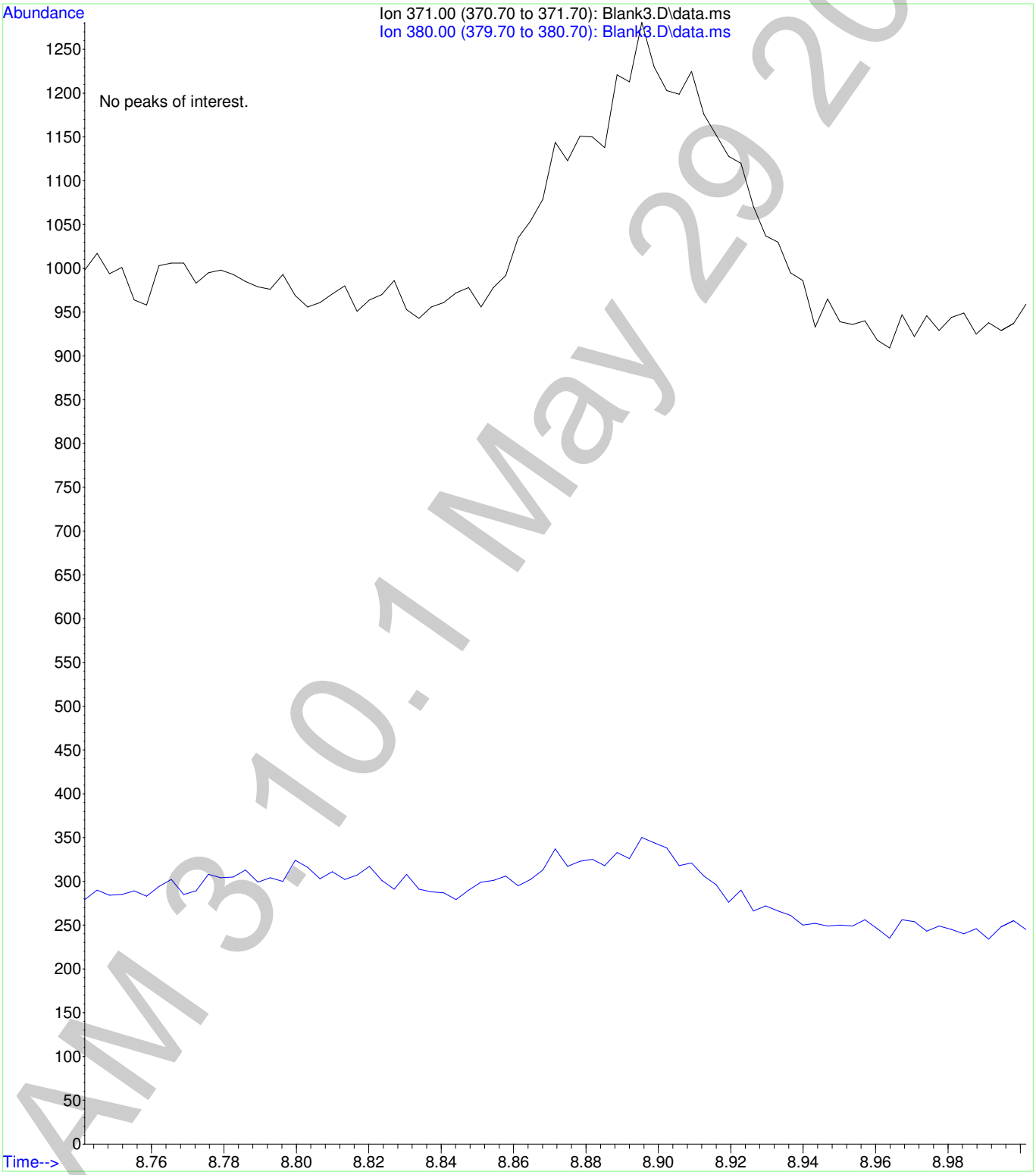


Carboxy-THC-TMS Amount: 100.30 ng/mL



AM 3.10.1 May 29 2015

```
File        :F:\Data\052915CANN\Blank3.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  18:31     using AcqMethod CANN-11-10-2010.M
Instrument :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 98
```



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Low Control-1.D
Acq On : 29 May 2015 19:58
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 01 09:10:38 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	20162	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.831	371	5913	5.76	ng/mL	100

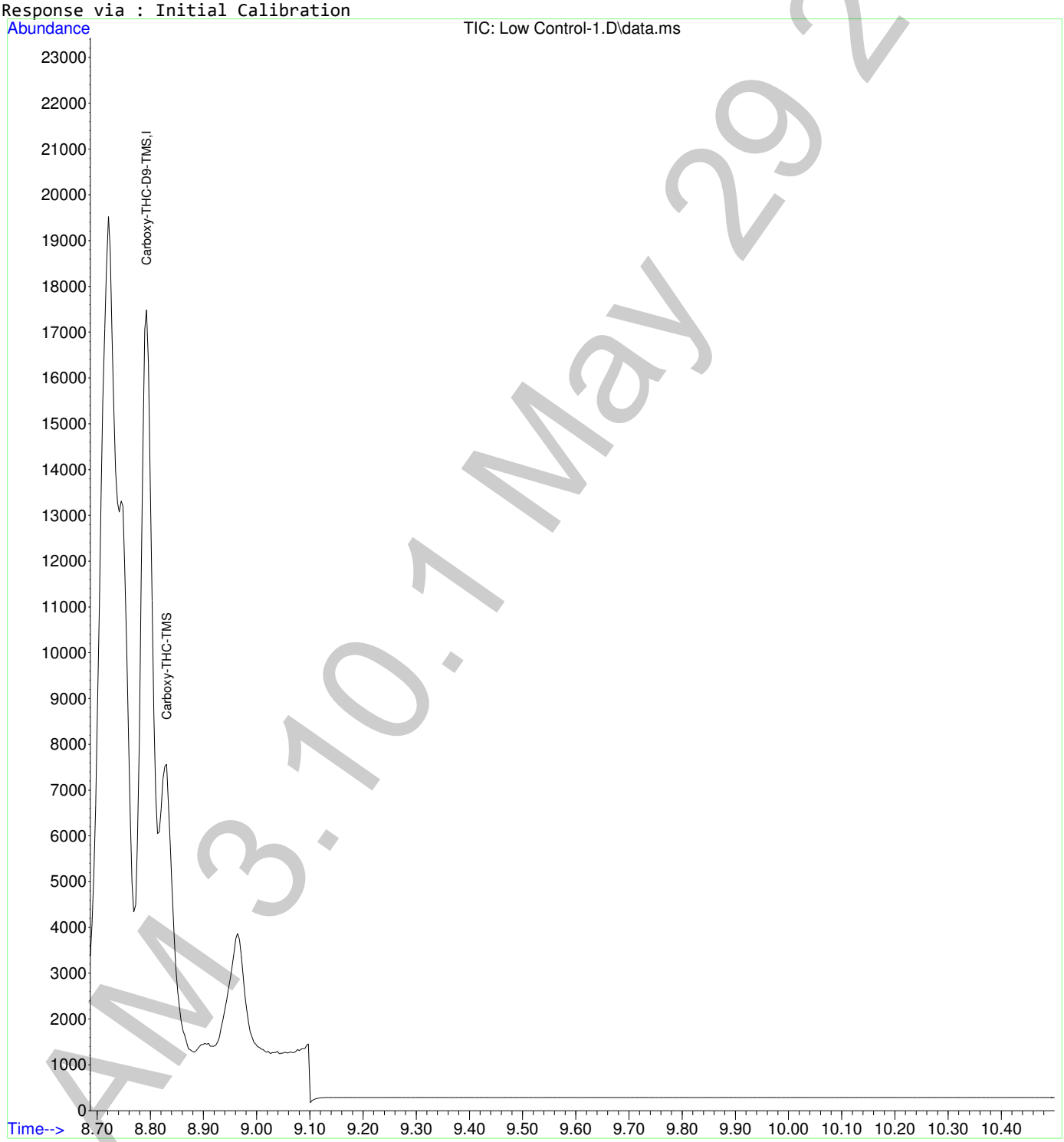
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

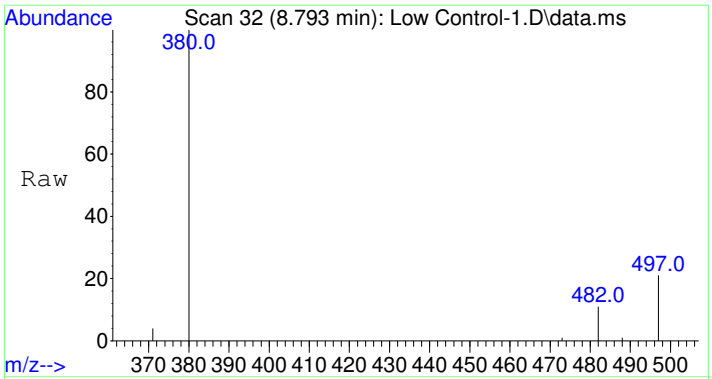
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Low Control-1.D
Acq On : 29 May 2015 19:58
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 01 09:10:38 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



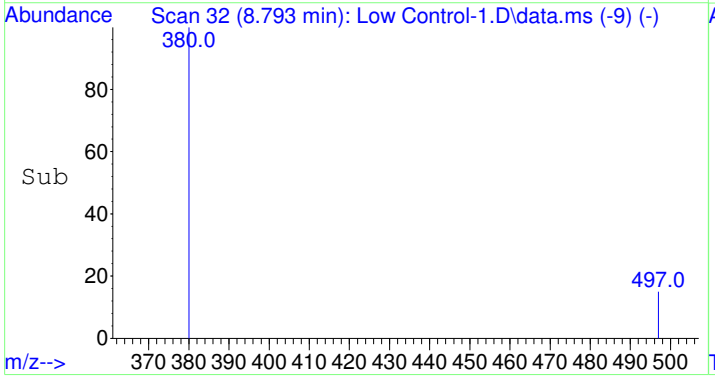
AM 3.10.1 May 29 2015

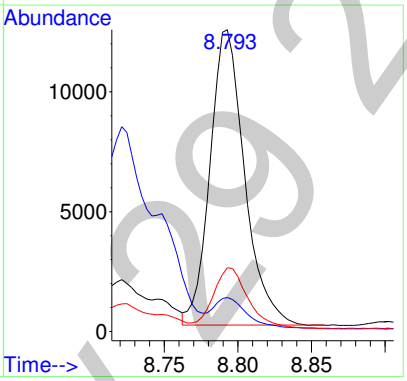


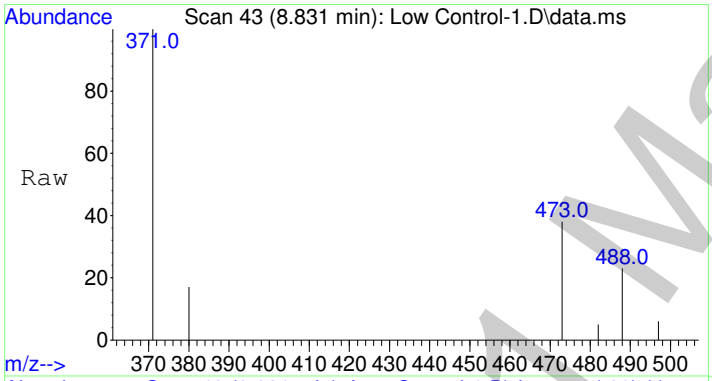
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: Low Control-1.D
Acq: 29 May 2015 19:58

Tgt Ion:380 Resp: 20162

Ion	Ratio	Lower	Upper
380	100		
482	10.4	8.6	12.8
497	21.0	16.7	25.1



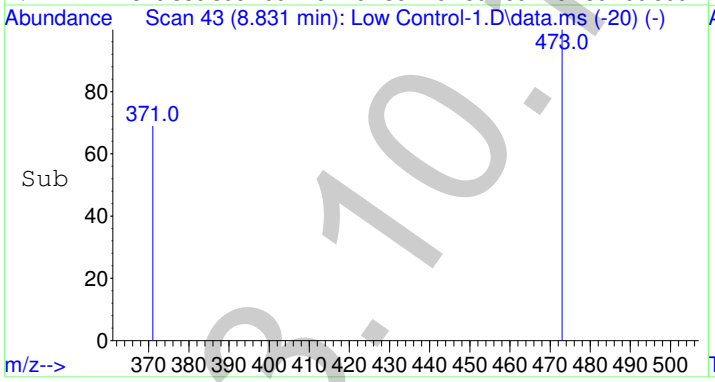


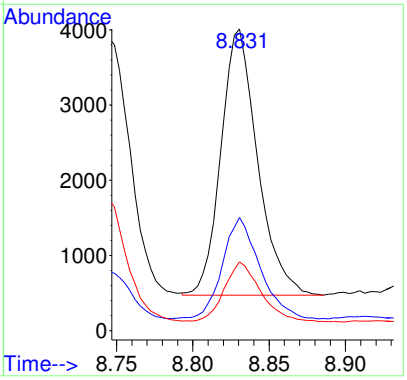


#2
Carboxy-THC-TMS
Concen: 5.76 ng/mL
RT: 8.831 min Scan# 43
Delta R.T. -0.000 min
Lab File: Low Control-1.D
Acq: 29 May 2015 19:58

Tgt Ion:371 Resp: 5913

Ion	Ratio	Lower	Upper
371	100		
473	38.9	31.0	46.4
488	22.5	18.0	27.0

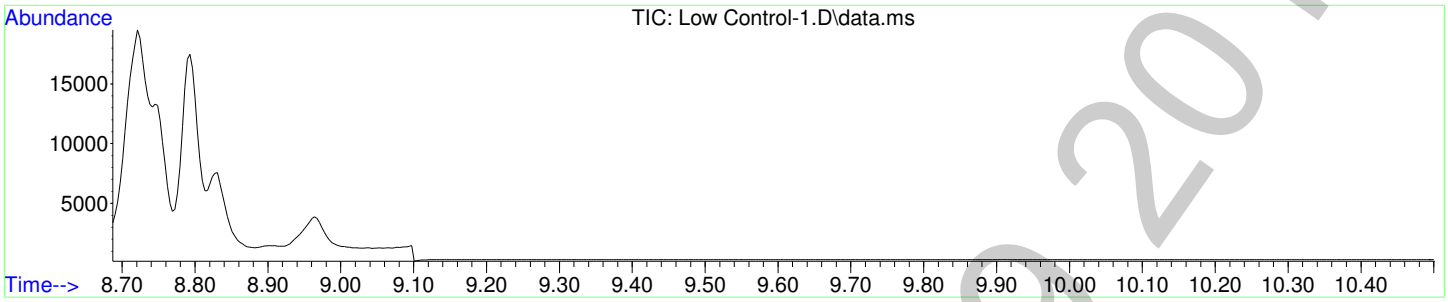




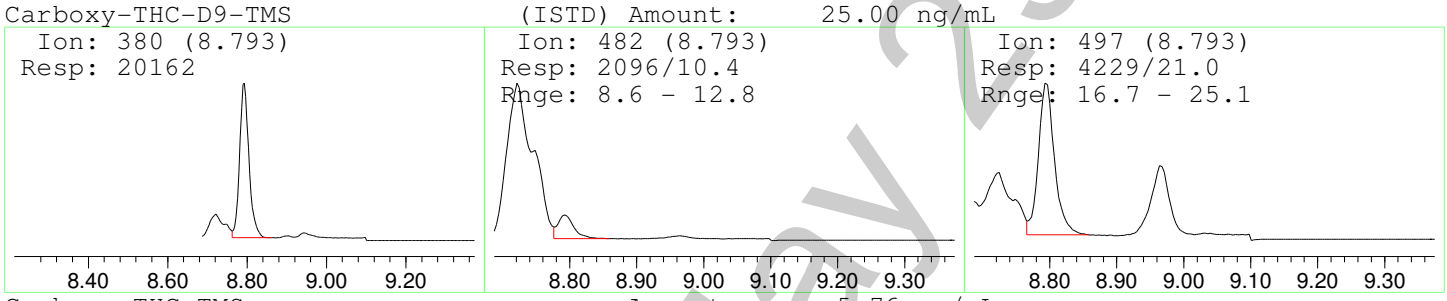
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

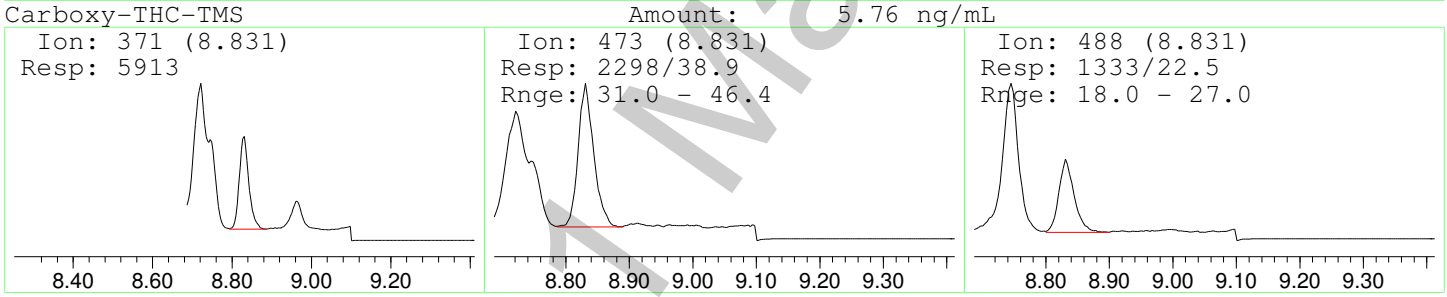
Data Path : F:\Data\052915CANN\
Data File : Low Control-1.D
Acq On : 29 May 2015 19:58
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 8 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 5.76 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Low Control-2.D
Acq On : 29 May 2015 21:54
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 01 09:11:20 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	20016	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.830	371	6039	5.93	ng/mL	97

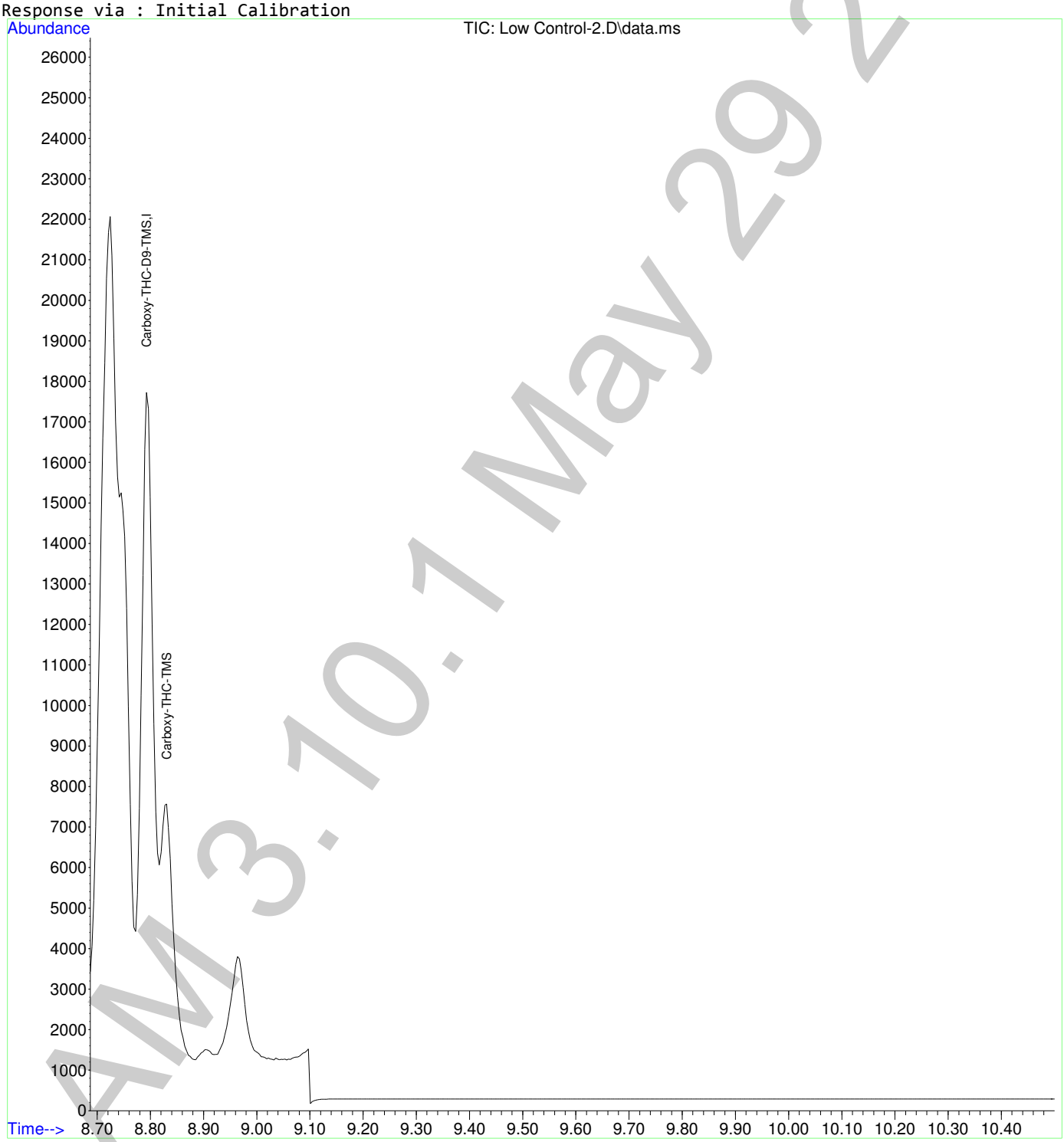
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

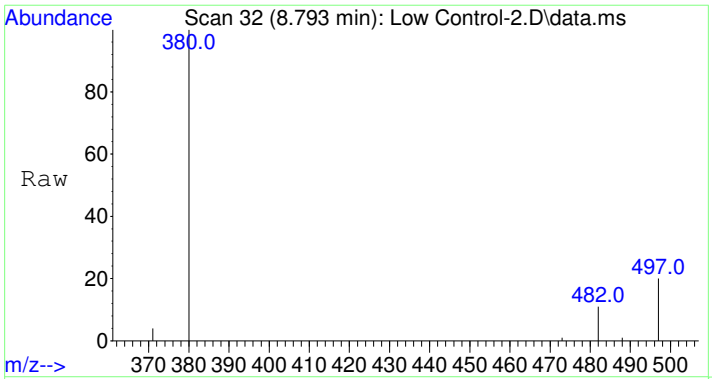
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : Low Control-2.D
Acq On : 29 May 2015 21:54
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 01 09:11:20 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



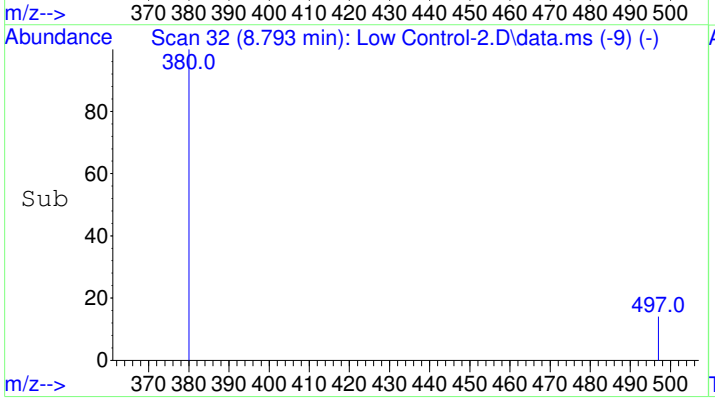
AM 3.10.1 May 29 2015

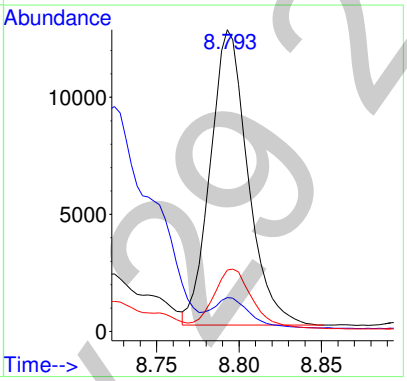


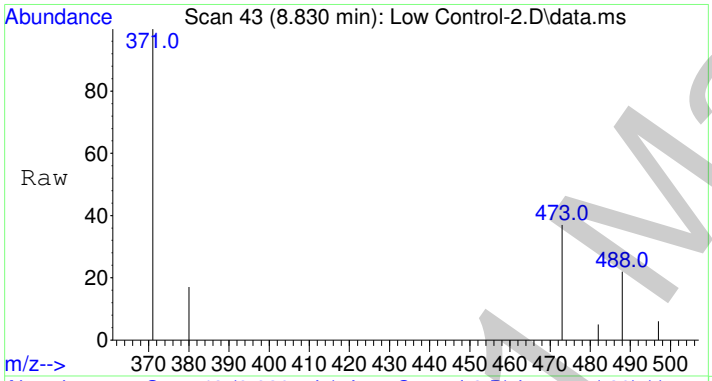
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: Low Control-2.D
Acq: 29 May 2015 21:54

Tgt Ion:380 Resp: 20016

Ion	Ratio	Lower	Upper
380	100		
482	9.9	8.6	12.8
497	20.8	16.7	25.1



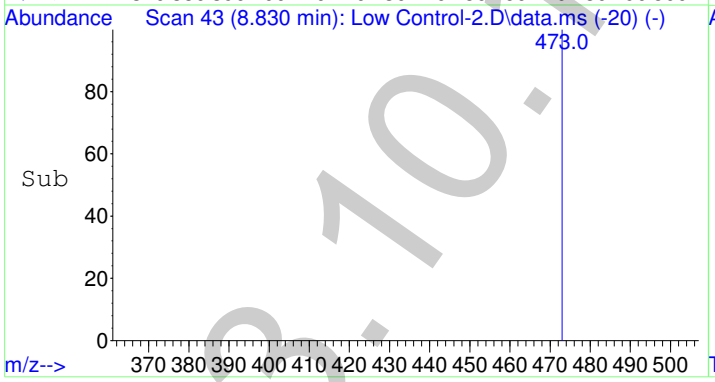


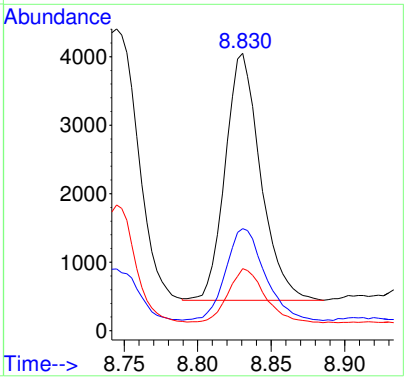


#2
Carboxy-THC-TMS
Concen: 5.93 ng/mL
RT: 8.830 min Scan# 43
Delta R.T. -0.001 min
Lab File: Low Control-2.D
Acq: 29 May 2015 21:54

Tgt Ion:371 Resp: 6039

Ion	Ratio	Lower	Upper
371	100		
473	41.0	31.0	46.4
488	22.6	18.0	27.0

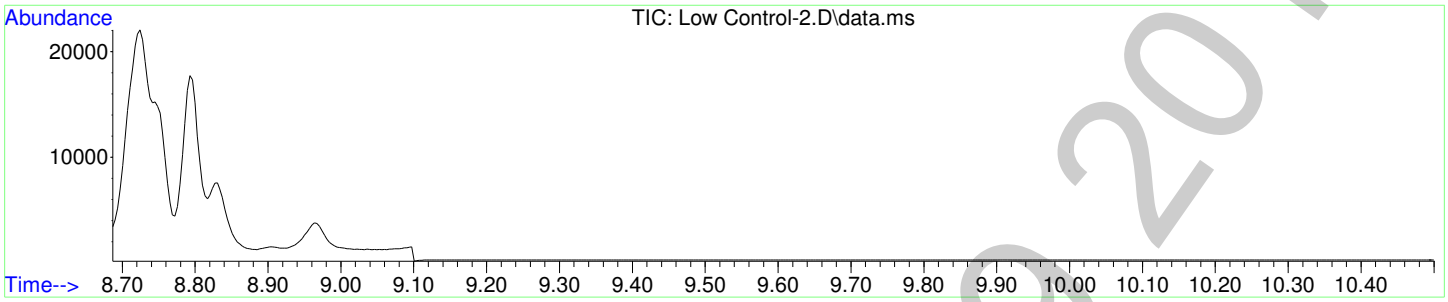




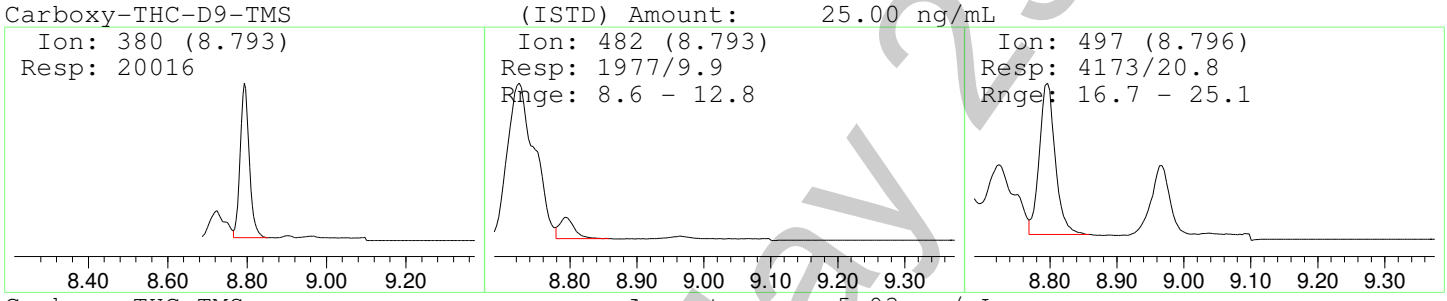
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

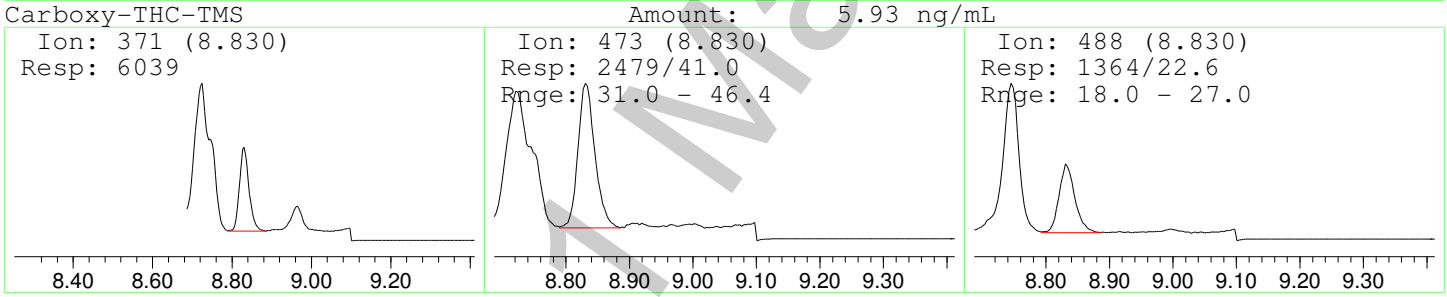
Data Path : F:\Data\052915CANN\
Data File : Low Control-2.D
Acq On : 29 May 2015 21:54
Operator : Pocatello Laboratory
Sample : Low Control: 6 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 9 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 5.93 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : High Control-1.D
Acq On : 30 May 2015 00:24
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 01 09:11:54 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	20982	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.831	371	67053	63.92	ng/mL	96

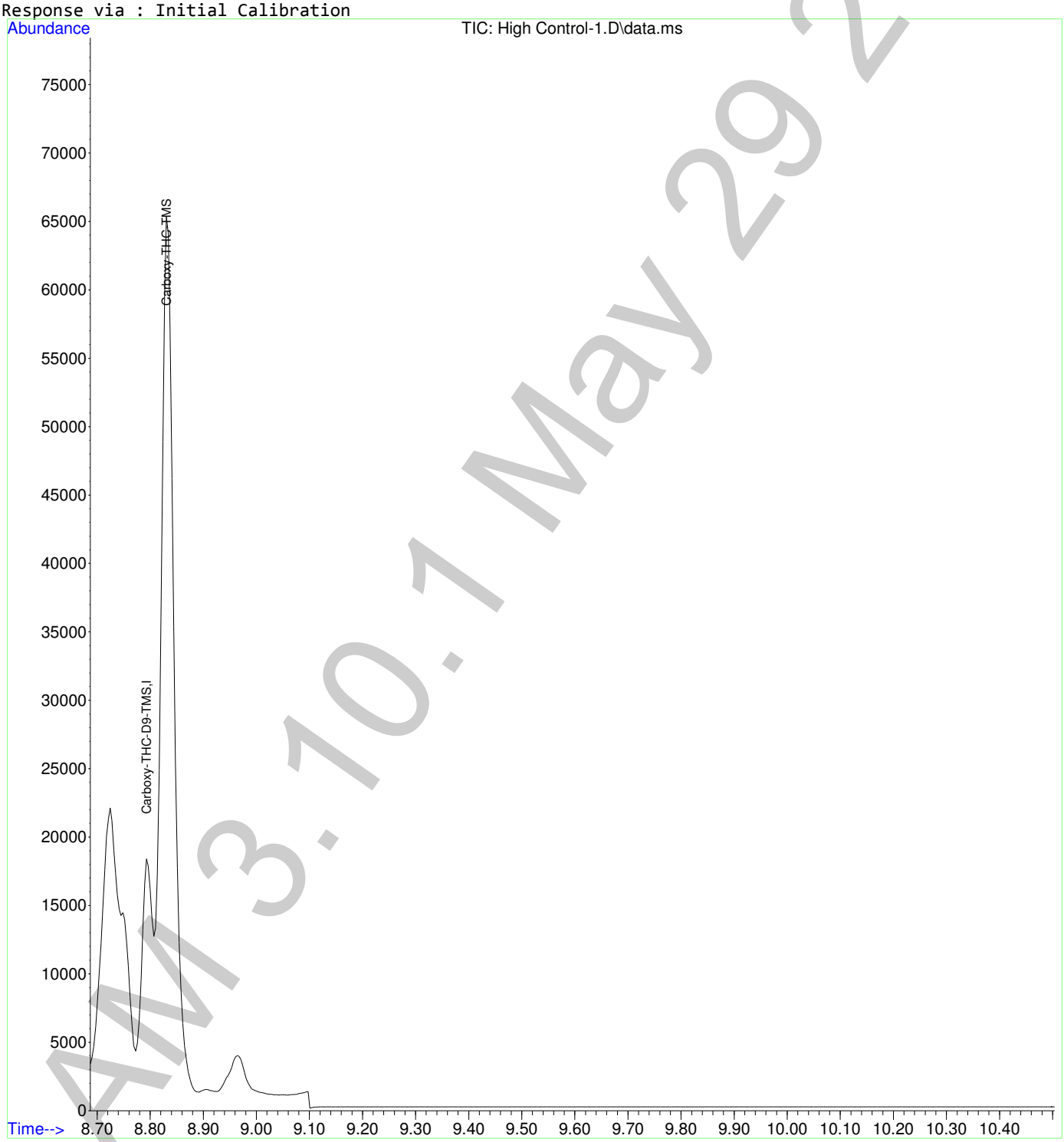
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

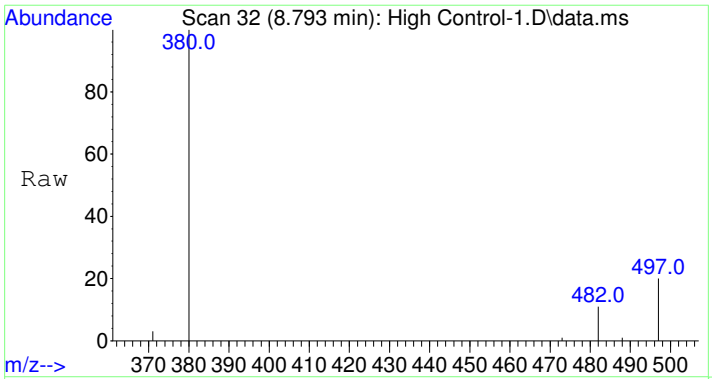
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : High Control-1.D
Acq On : 30 May 2015 00:24
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 01 09:11:54 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



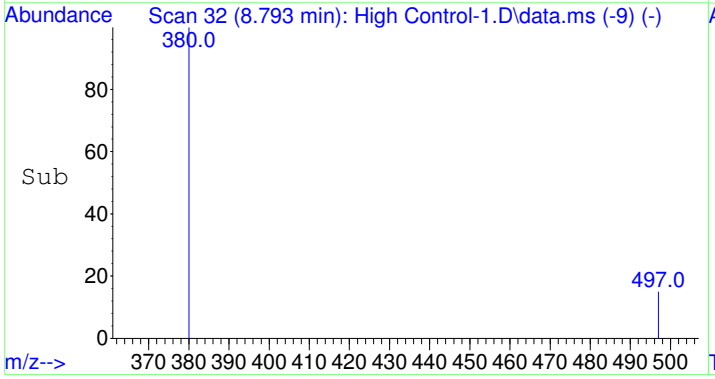
AM 3.10.1 May 29 2015

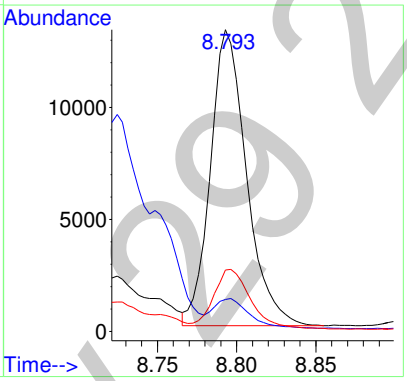


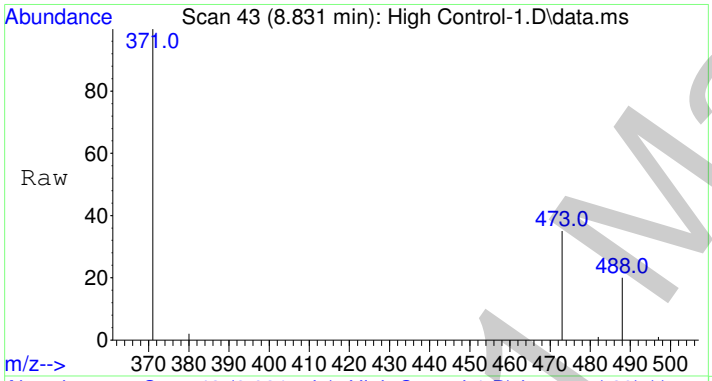
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: High Control-1.D
Acq: 30 May 2015 00:24

Tgt Ion:380 Resp: 20982

Ion	Ratio	Lower	Upper
380	100		
482	9.8	8.6	12.8
497	20.6	16.7	25.1



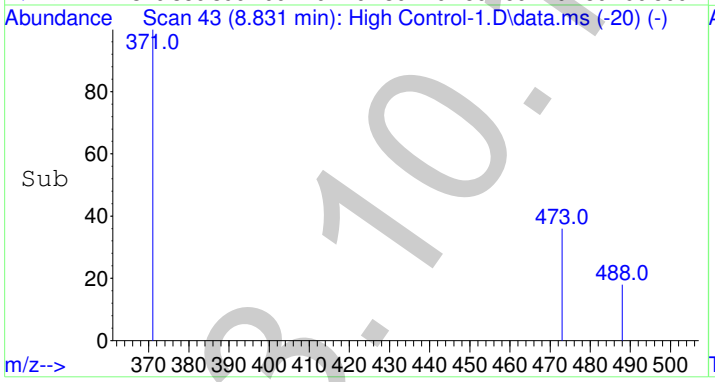


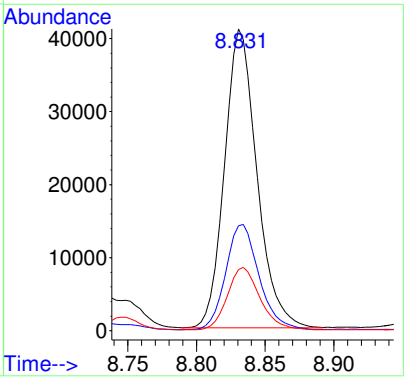


#2
Carboxy-THC-TMS
Concen: 63.92 ng/mL
RT: 8.831 min Scan# 43
Delta R.T. -0.000 min
Lab File: High Control-1.D
Acq: 30 May 2015 00:24

Tgt Ion:371 Resp: 67053

Ion	Ratio	Lower	Upper
371	100		
473	36.2	31.0	46.4
488	21.0	18.0	27.0

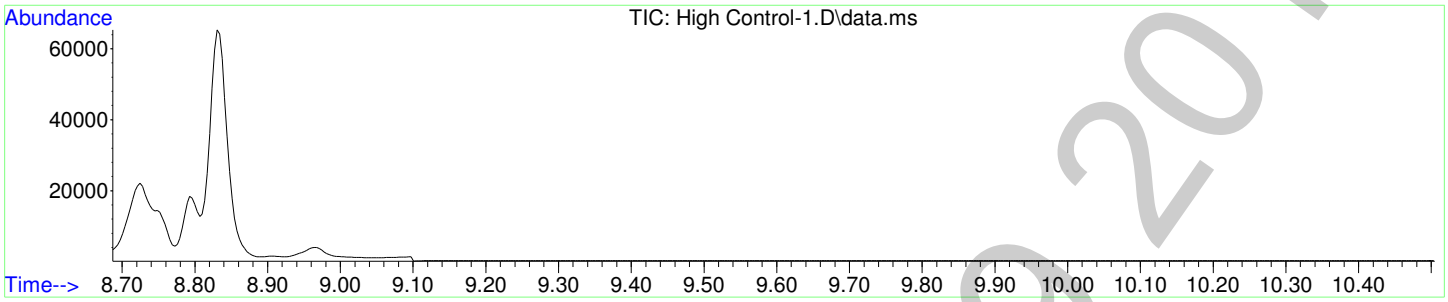




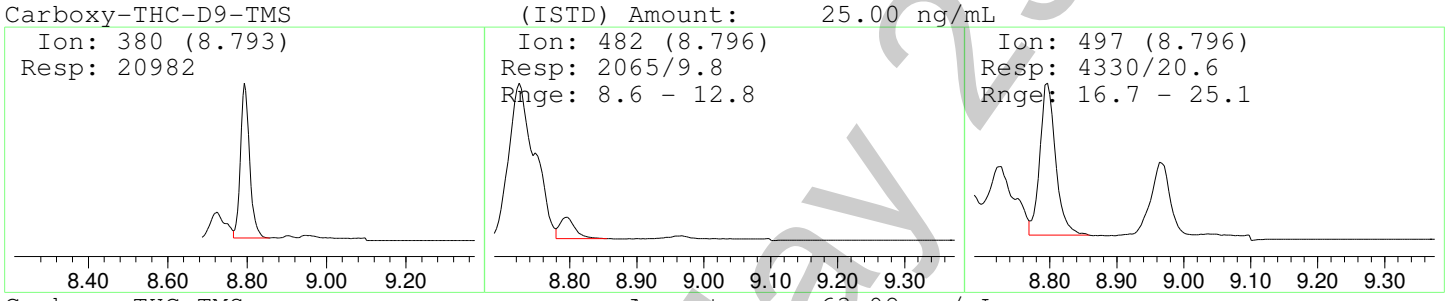
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

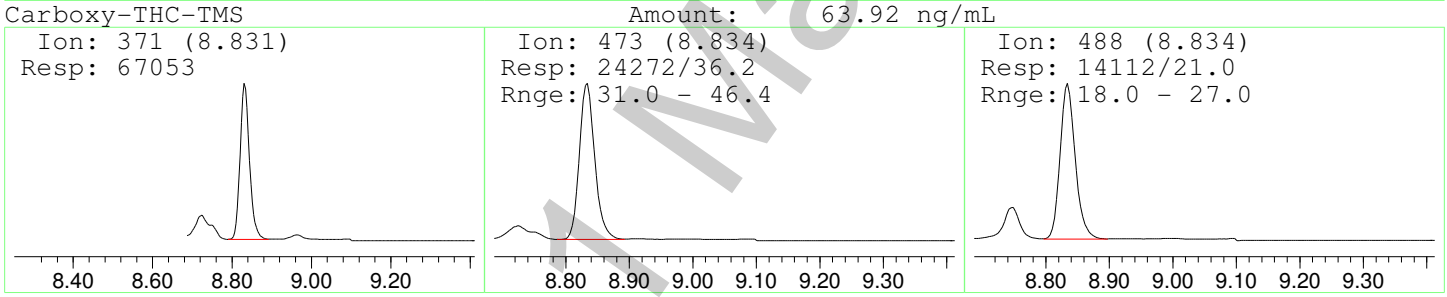
Data Path : F:\Data\052915CANN\
Data File : High Control-1.D
Acq On : 30 May 2015 00:24
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 10 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL



Carboxy-THC-TMS Amount: 63.92 ng/mL



AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : High Control-2.D
Acq On : 30 May 2015 1:54
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 01 09:12:27 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Carboxy-THC-D9-TMS	8.793	380	21661	25.00	ng/mL	0.00
Target Compounds						Qvalue
2) Carboxy-THC-TMS	8.830	371	69680	64.34	ng/mL	96

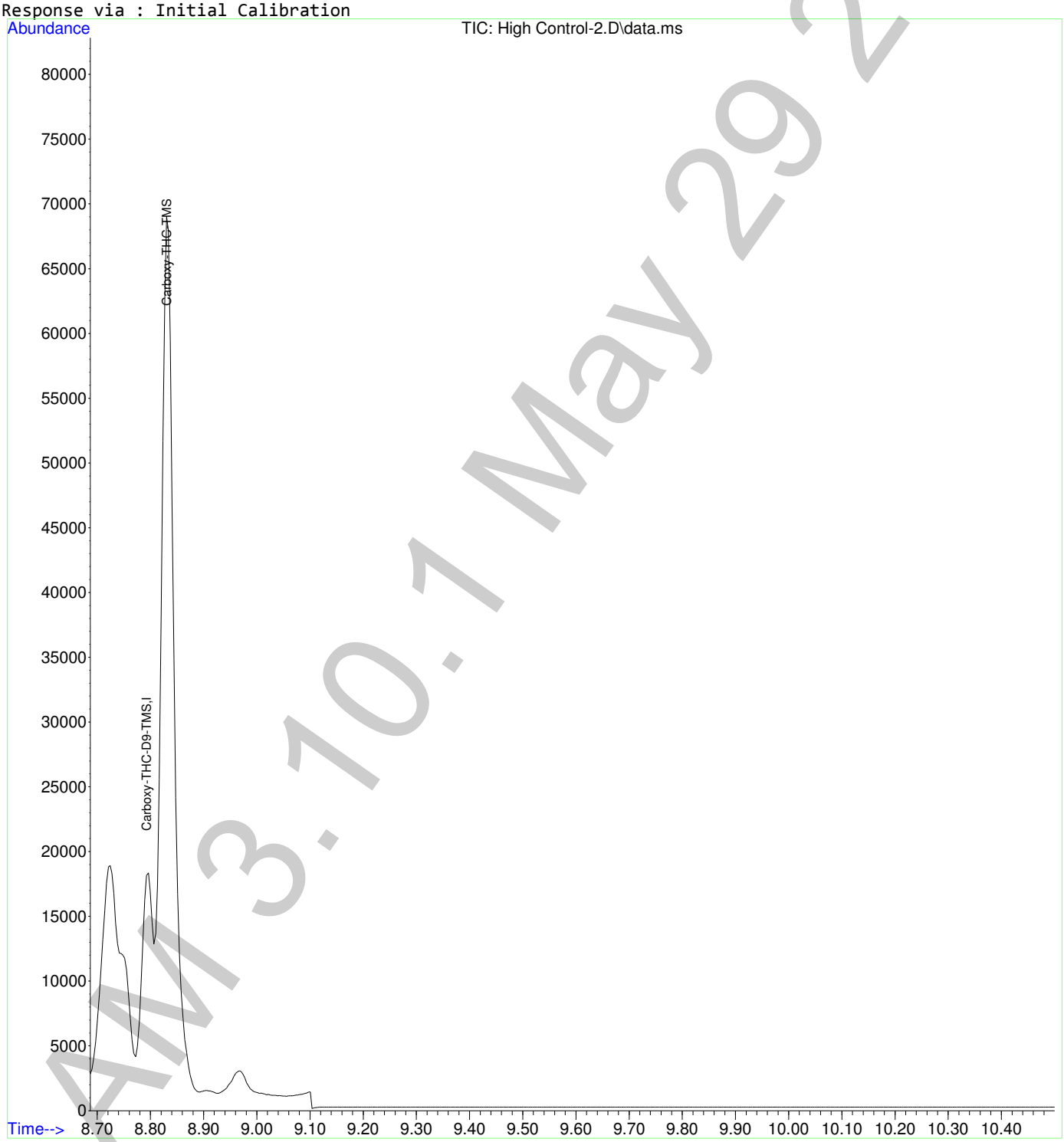
(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM 3.10.1 May 29 2015

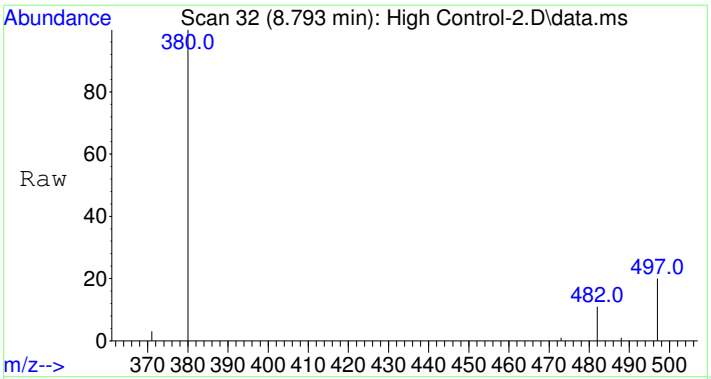
Quantitation Report (Not Reviewed)

Data Path : F:\Data\052915CANN\
Data File : High Control-2.D
Acq On : 30 May 2015 1:54
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 01 09:12:27 2015
Quant Method : F:\Methods\Cann11-10-2010.M
Quant Title : Analytical Method 3.10.1: Blood Carboxy-THC
QLast Update : Mon Jun 01 09:05:51 2015
Response via : Initial Calibration



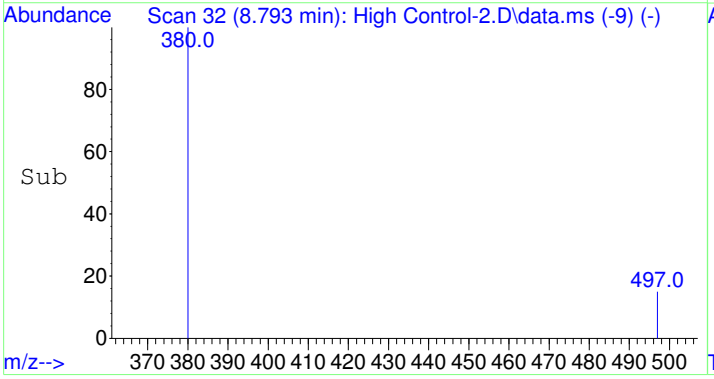
AM 3.10.1 May 29 2015

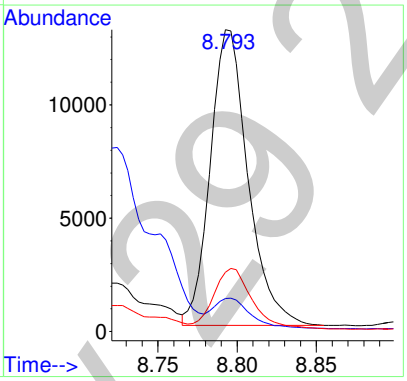


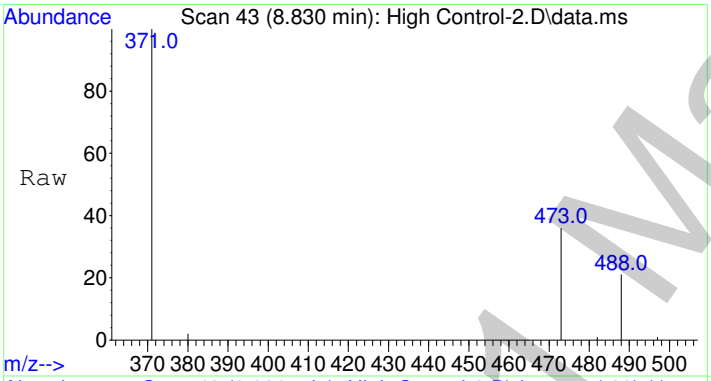
#1
Carboxy-THC-D9-TMS
Concen: 25.00 ng/mL
RT: 8.793 min Scan# 32
Delta R.T. -0.000 min
Lab File: High Control-2.D
Acq: 30 May 2015 1:54

Tgt Ion:380 Resp: 21661

Ion	Ratio	Lower	Upper
380	100		
482	10.0	8.6	12.8
497	20.7	16.7	25.1



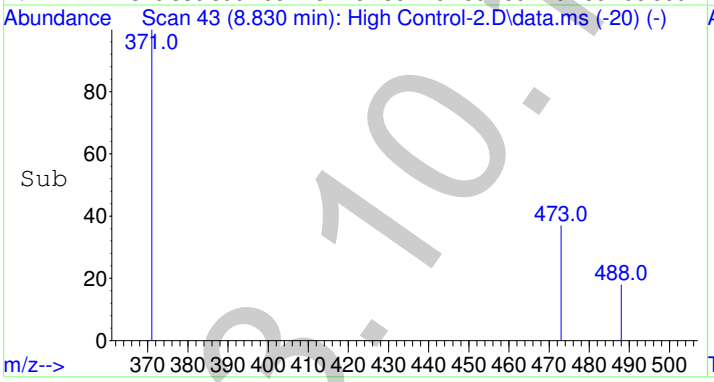


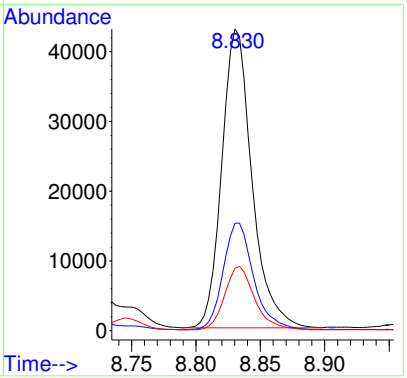


#2
Carboxy-THC-TMS
Concen: 64.34 ng/mL
RT: 8.830 min Scan# 43
Delta R.T. -0.001 min
Lab File: High Control-2.D
Acq: 30 May 2015 1:54

Tgt Ion:371 Resp: 69680

Ion	Ratio	Lower	Upper
371	100		
473	36.0	31.0	46.4
488	21.1	18.0	27.0

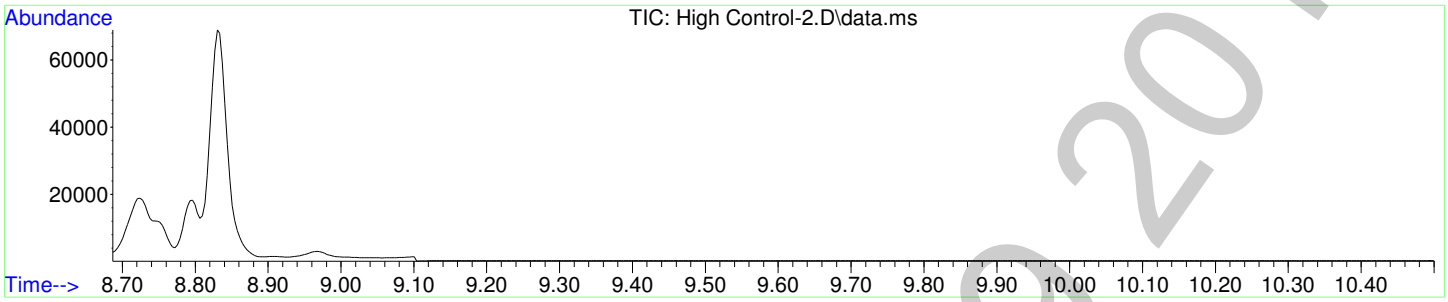




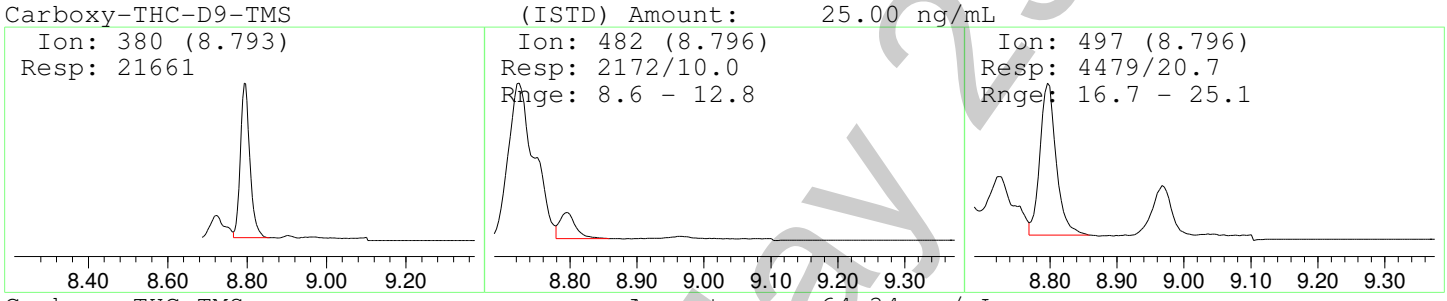
AM 3.10.1 May 29 2015

Quantitation Report (Not Reviewed)

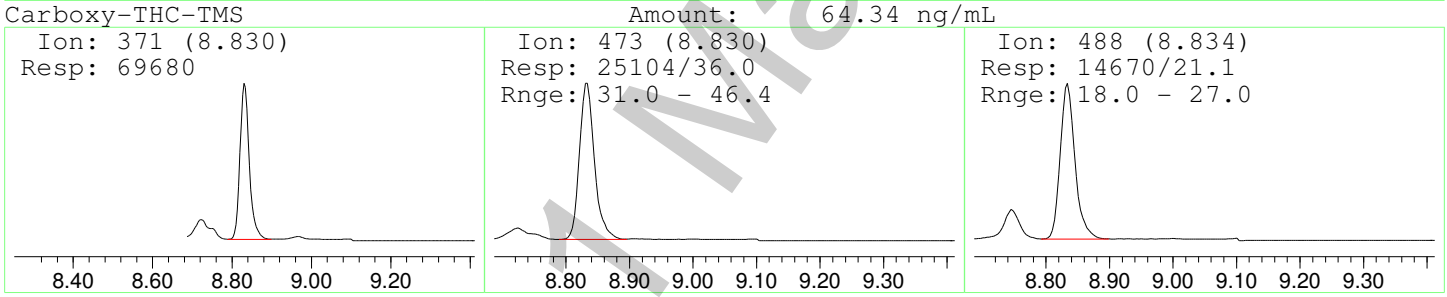
Data Path : F:\Data\052915CANN\
Data File : High Control-2.D
Acq On : 30 May 2015 1:54
Operator : Pocatello Laboratory
Sample : High Control: 60 ng/mL
Misc : Analytical Method 3.10.1
ALS Vial : 11 Sample Multiplier: 1



Carboxy-THC-D9-TMS (ISTD) Amount: 25.00 ng/mL

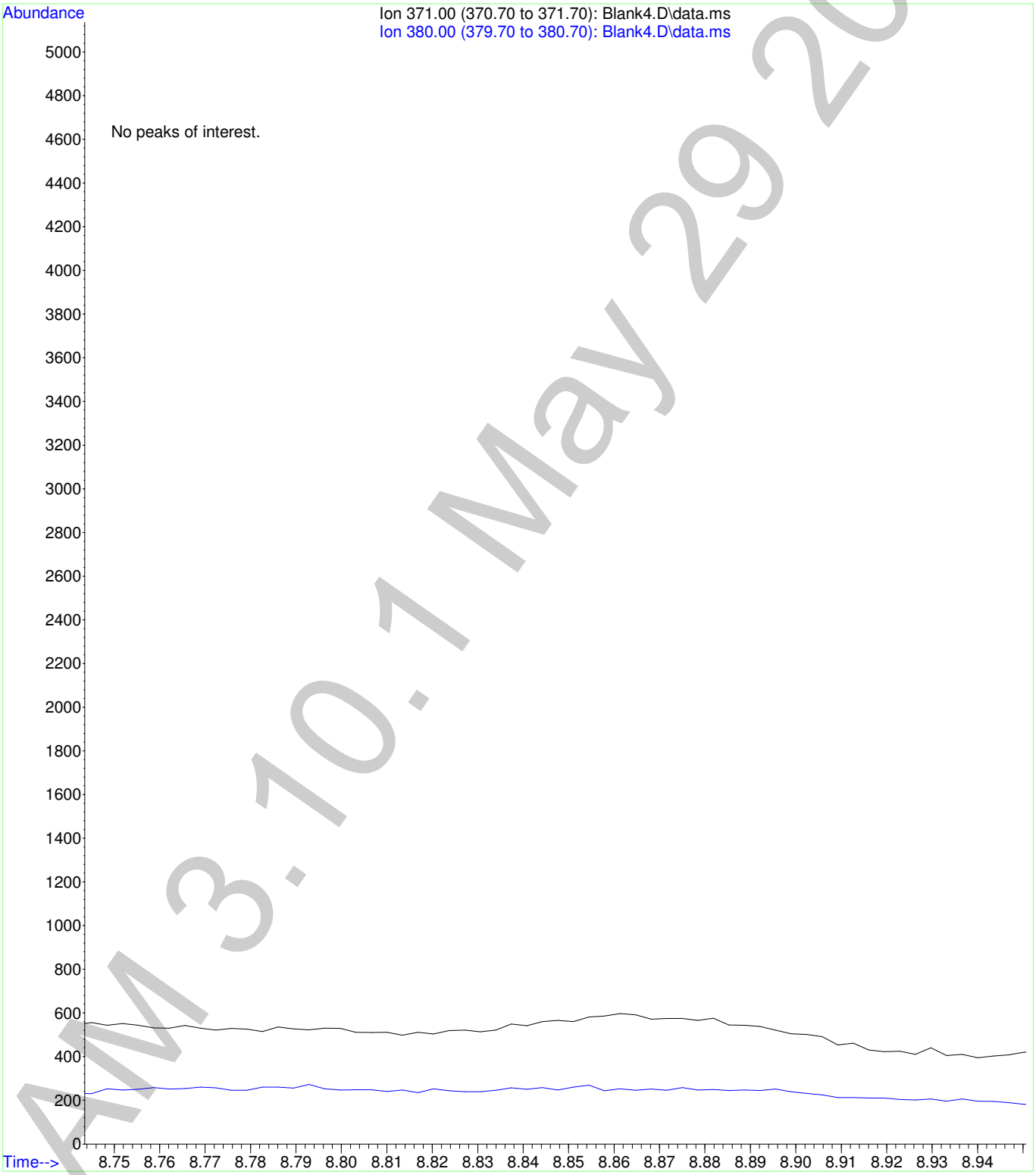


Carboxy-THC-TMS Amount: 64.34 ng/mL



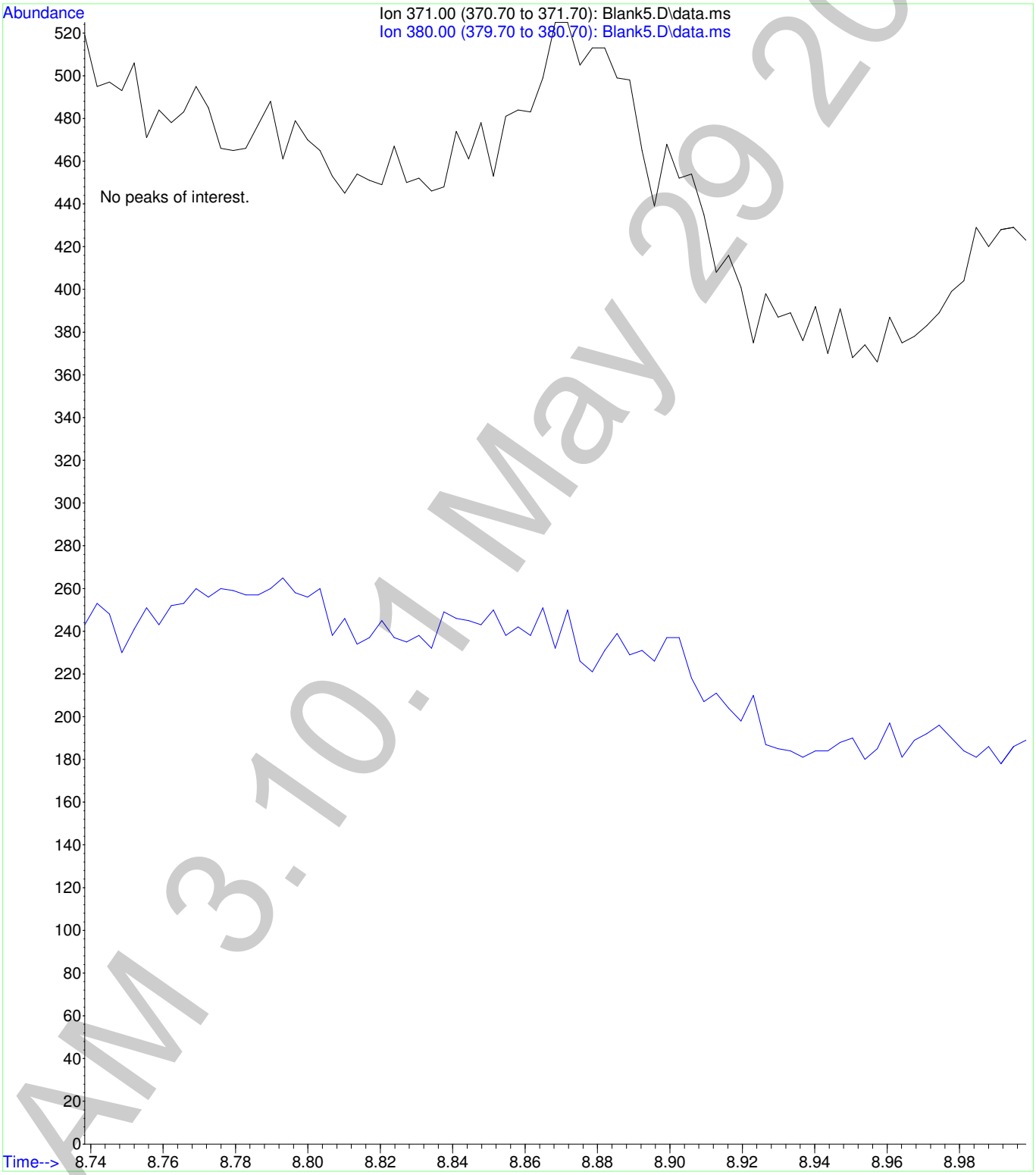
AM 3.10.1 May 29 2015

```
File        :F:\Data\052915CANN\Blank4.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  19:43     using AcqMethod CANN-11-10-2010.M
Instrument :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 95
```



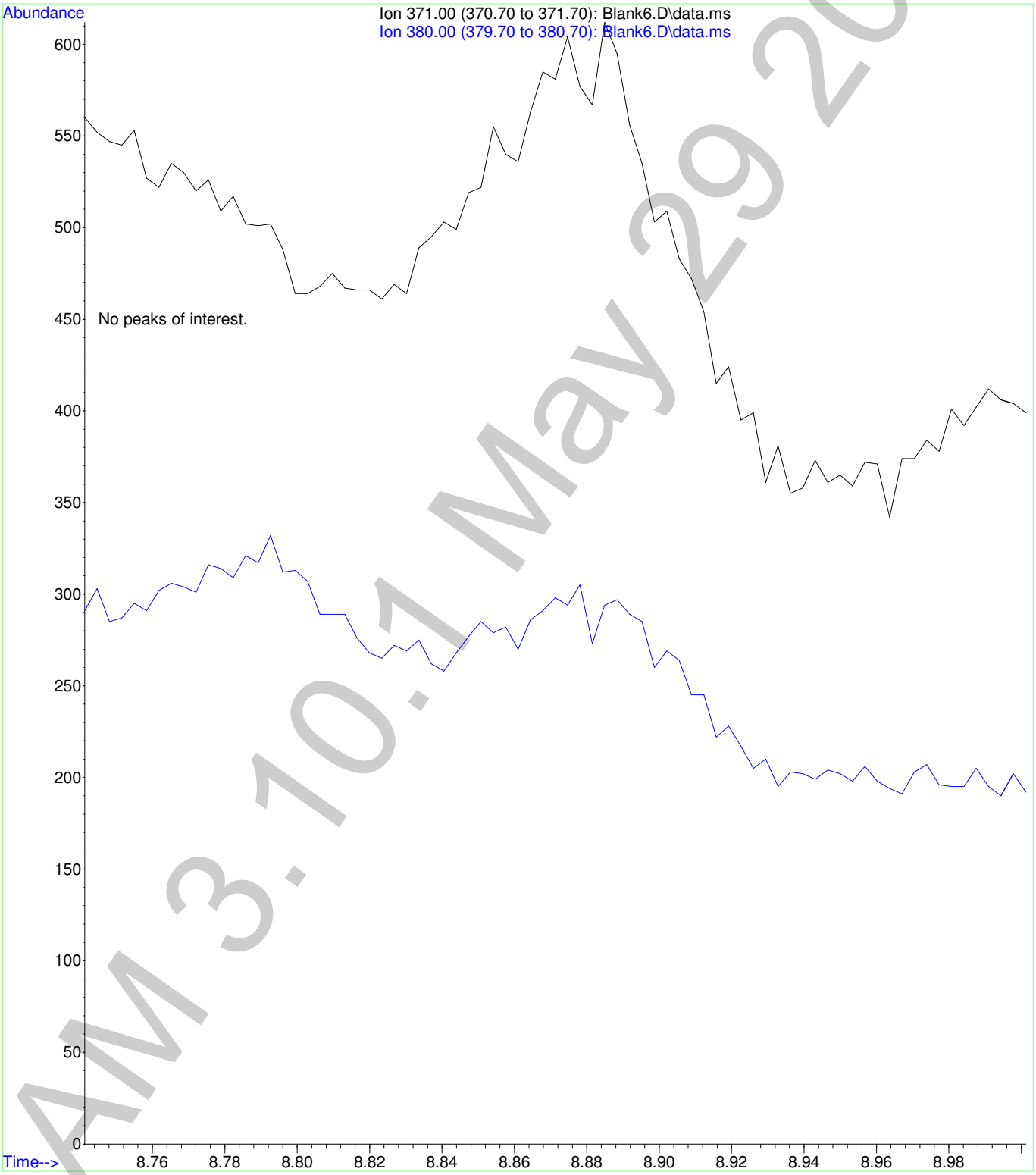
AM 3.10.1 May 29 2015

```
File        :F:\Data\052915CANN\Blank5.D
Operator    : Pocatello Laboratory
Acquired    : 29 May 2015  21:39     using AcqMethod CANN-11-10-2010.M
Instrument :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 91
```



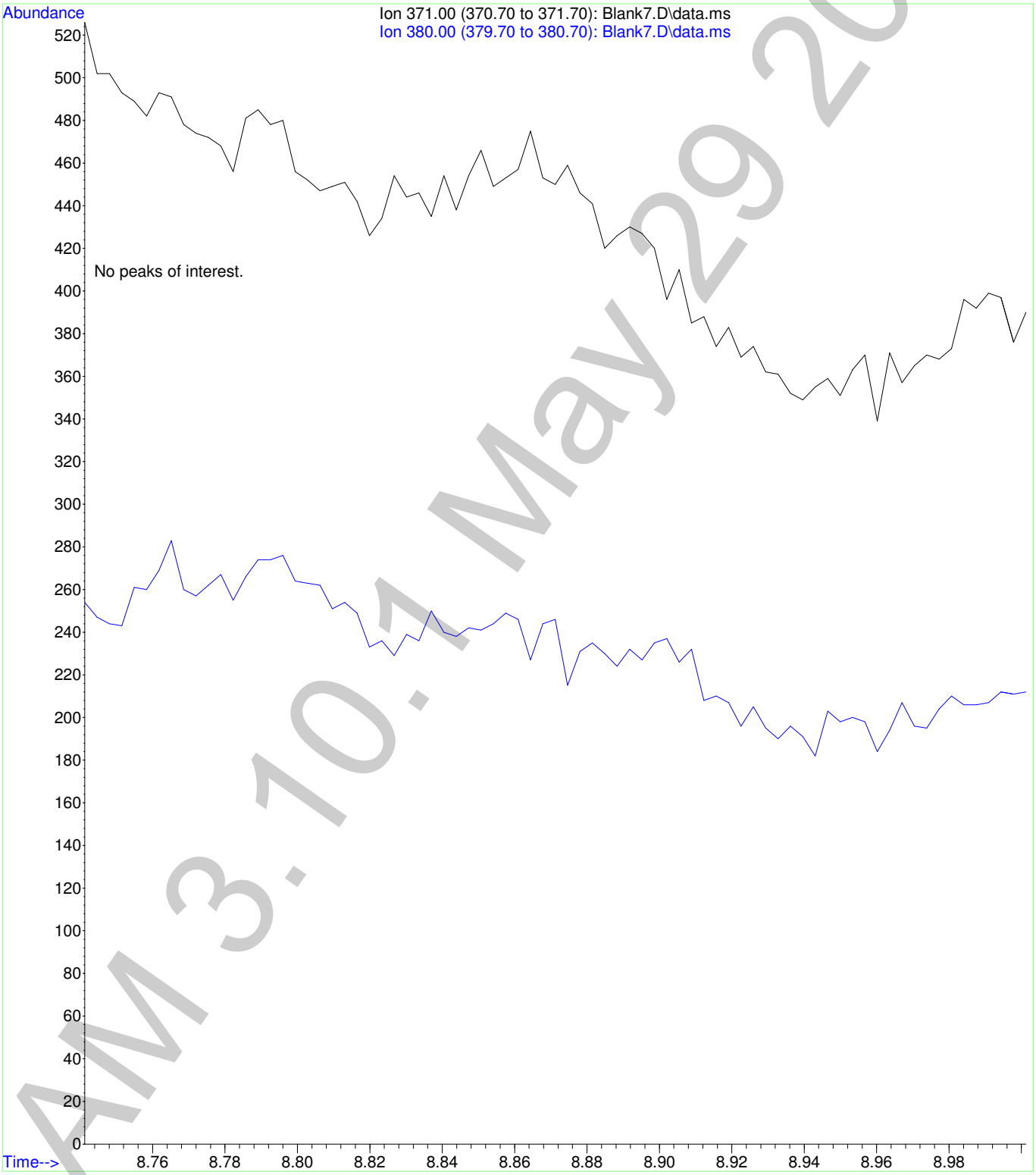
AM 3.10.1 May 29 2015

```
File        :F:\Data\052915CANN\Blank6.D
Operator    : Pocatello Laboratory
Acquired    : 30 May 2015  00:09     using AcqMethod CANN-11-10-2010.M
Instrument  :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 86
```



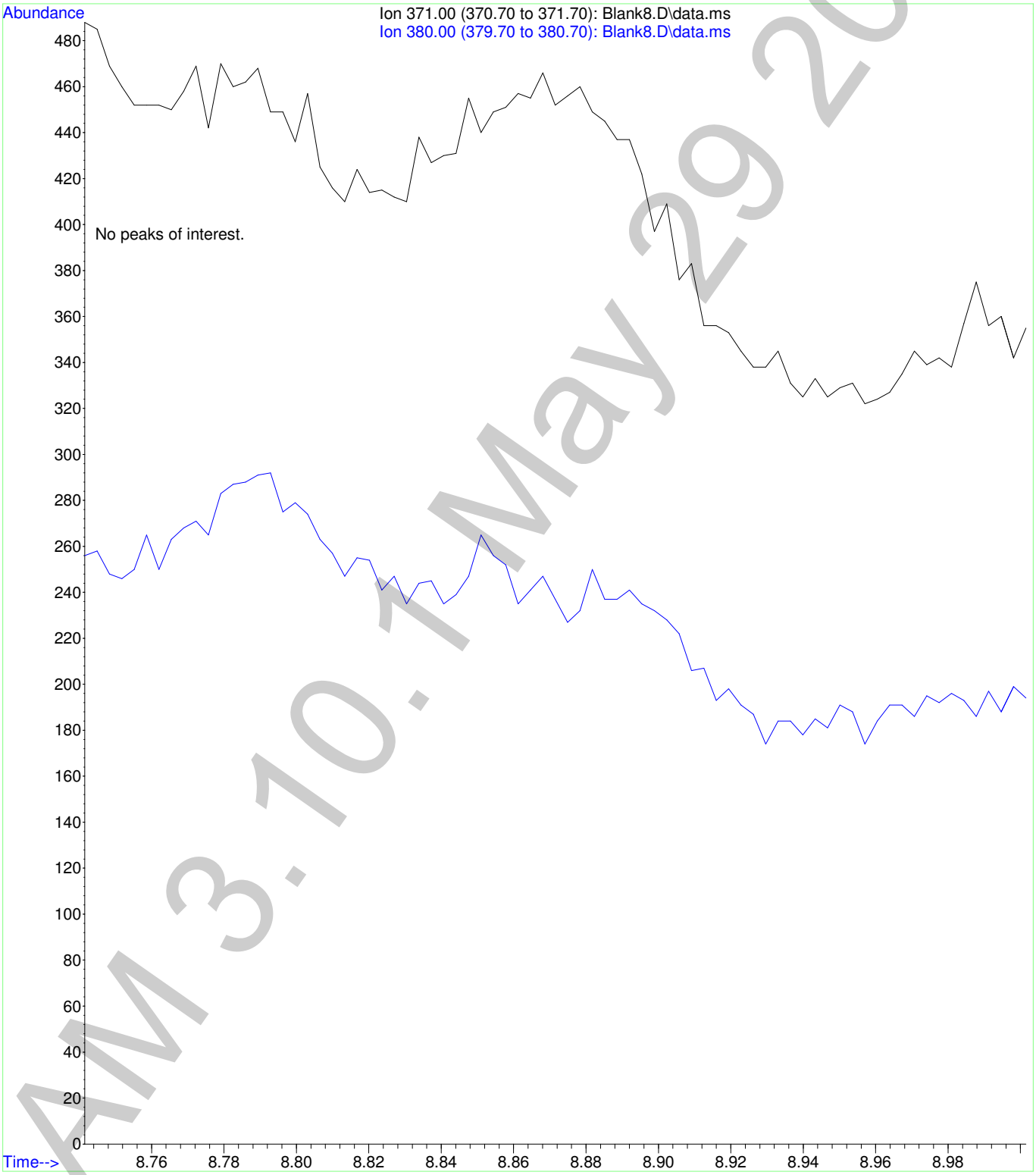
AM 3.10.1 May 29 2015

```
File        :F:\Data\052915CANN\Blank7.D
Operator    : Pocatello Laboratory
Acquired    : 30 May 2015   1:39     using AcqMethod CANN-11-10-2010.M
Instrument :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 83
```



AM 3.10.1 May 29 2015

```
File        :F:\Data\052915CANN\Blank8.D
Operator    : Pocatello Laboratory
Acquired    : 30 May 2015   4:07     using AcqMethod CANN-11-10-2010.M
Instrument :   Bones
Sample Name: Blank
Misc Info   : CHCl3
Vial Number: 78
```



AM 3.10.1 May 29 2015