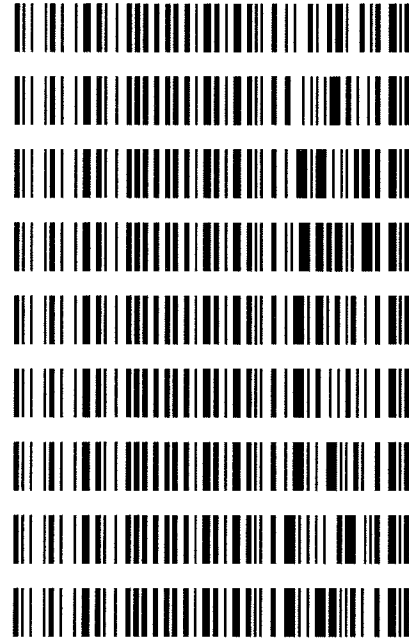


6/23/2017

Bylee

Worklist: 1776

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2017-1025	1	88026	AM 3 Urine Carboxy-THC
C2017-1103	3	88027	AM 3 Urine Carboxy-THC
C2017-1126	1	88028	AM 3 Urine Carboxy-THC
C2017-1129	1	88029	AM 3 Urine Carboxy-THC
C2017-1157	1	88030	AM 3 Urine Carboxy-THC
C2017-1158	1	88031	AM 3 Urine Carboxy-THC
C2017-1173	1	88032	AM 3 Urine Carboxy-THC
C2017-1191	1	88033	AM 3 Urine Carboxy-THC
C2017-1194	1	88034	AM 3 Urine Carboxy-THC

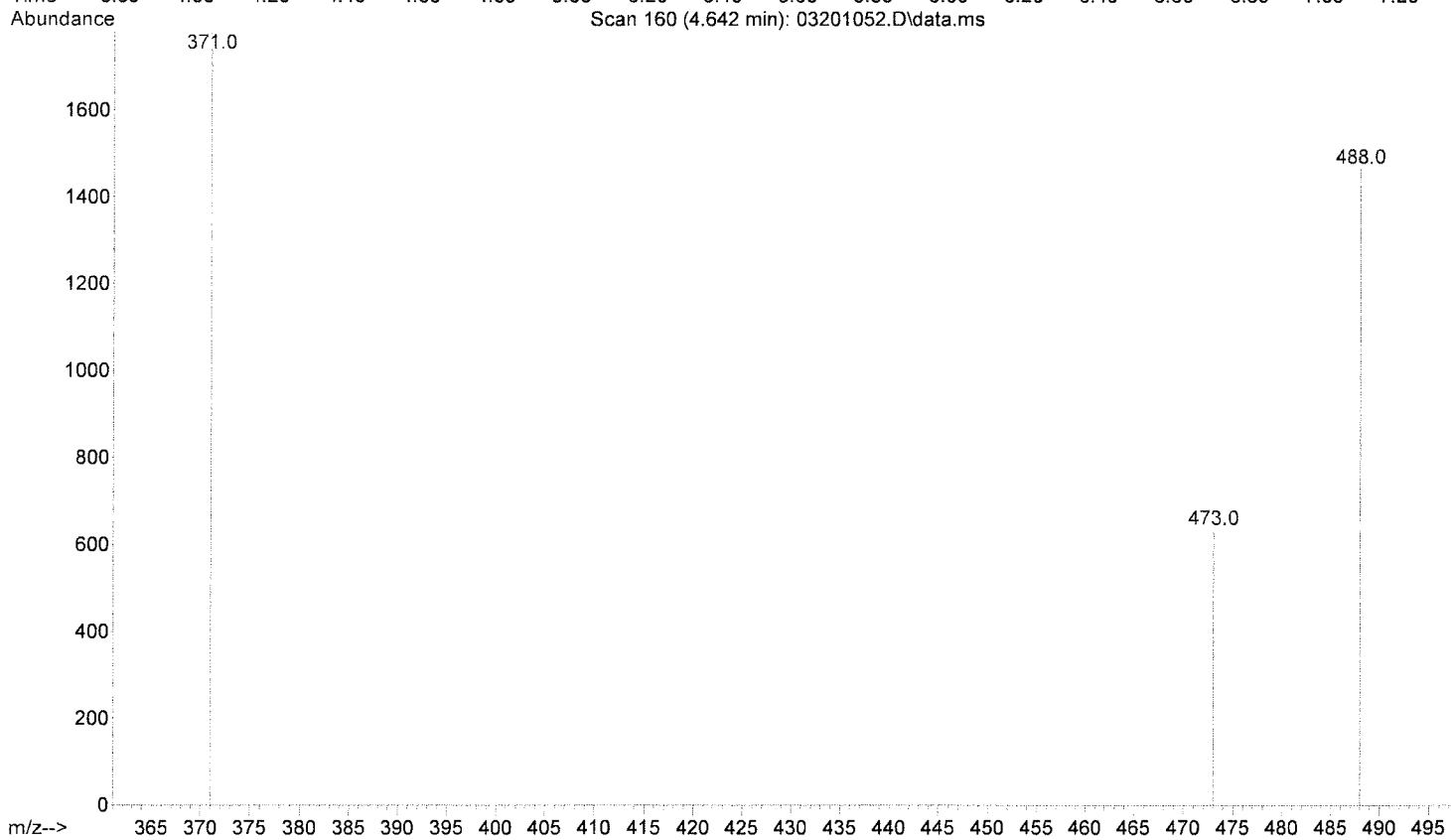
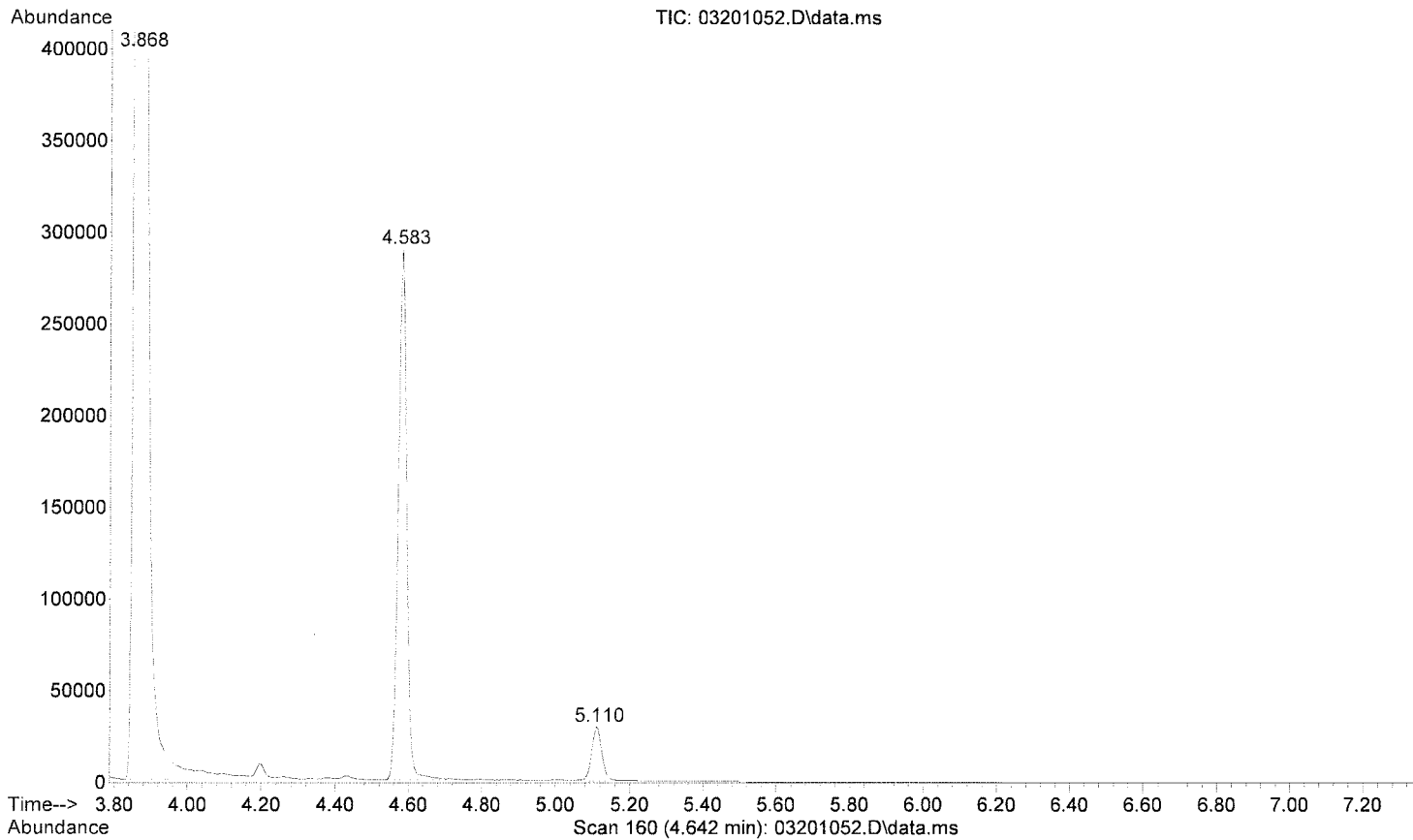


P2017-1303-2

C2017-1224-1

[Handwritten signature]

File :E:\6-20-2017\03201052.D
Operator : Instrument 65198
Acquired : 21 Jun 2017 03:48 using AcqMethod cthc 101415.M
Instrument : Instrument # 65198- Tox Cd'A
Sample Name: negative control
Misc Info : lot 42617; am 3
Vial Number: 32



Area Percent Report

Data Path : E:\6-20-2017\
Data File : 03401054.D
Acq On : 21 Jun 2017 04:07
Operator : Instrument 65198
Sample : brc3 control
Misc : lot 68440; am 3
ALS Vial : 34 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 15000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\DEFAULT.M
Title :

Signal : EIC Ion 371.00 (370.70 to 371.70): 03401054.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.868	8	16	45	rVB	3803997	5150307	100.00%	95.797%
2	4.583	141	149	154	rBV	16249	26723	0.52%	0.497%
3	4.642	154	160	185	rVB	117150	199228	3.87%	3.706%

Sum of corrected areas: 5376258

Signal : EIC Ion 473.00 (472.70 to 473.70): 03401054.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.642	153	160	182	rVB	54501	95999	100.00%	81.594%
2	5.110	236	247	266	rVB	10737	21656	22.56%	18.406%

Sum of corrected areas: 117655

Signal : EIC Ion 488.00 (487.70 to 488.70): 03401054.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.583	139	149	156	rBV	284838	434631	100.00%	88.408%
2	4.648	156	161	172	rVB	33839	56987	13.11%	11.592%

Sum of corrected areas: 491618

DEFAULT.M Sun Jun 25 08:05:28 2017

2.4.4 Carboxy-THC QC Calculations

Run Date: 6/21/2017

Case Calculations:

Lab Case #: brc3

EIC Ion 371 Corr. Area:	<u>199228</u>	
EIC Ion 473 Corr. Area:	<u>95999</u>	473:371 Ratio: <u>0.482</u>
EIC Ion 488 Corr. Area:	<u>56987</u>	488:371 Ratio: <u>0.286</u>

Quality Control Calculations:

Retention Time acceptable range: 4.585 to 4.742

	<i>1st ctrl</i>	<i>2nd ctrl</i>
EIC Ion 371 Corr. Area:	<u>915973</u>	<u>781423</u>
EIC Ion 473 Corr. Area:	<u>410740</u>	<u>363102</u>
EIC Ion 488 Corr. Area:	<u>257733</u>	<u>226884</u>

Approximate minimum corrected area of 371 ion: ~ **183195**

	<i>Ratio of 473:371</i>			
<i>1st ctrl</i>	<u>0.448</u>	<i>2nd ctrl</i>	<u>0.465</u>	avg. <u>0.457</u>

Accepted Range
(+/- 20%) 0.365 - 0.548

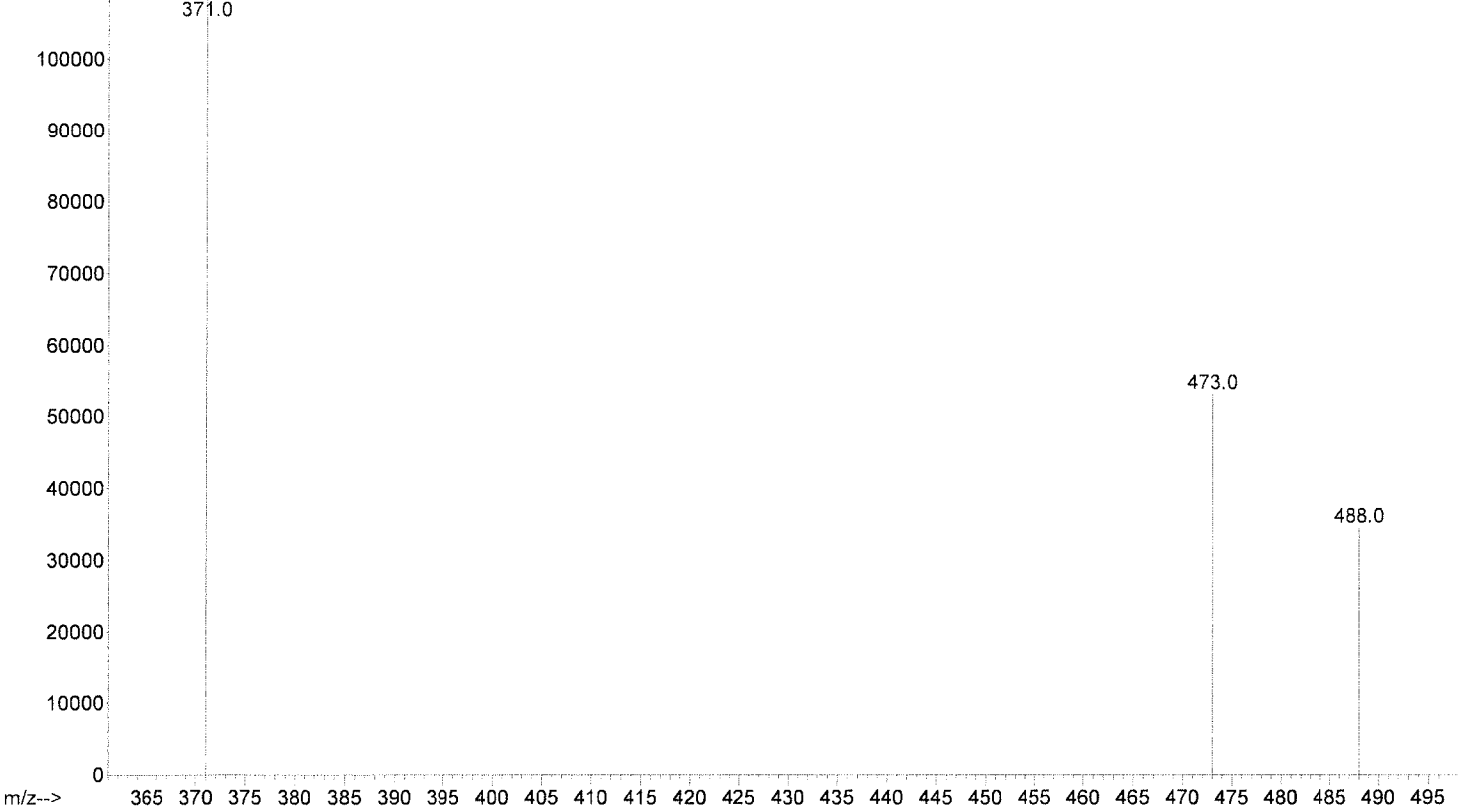
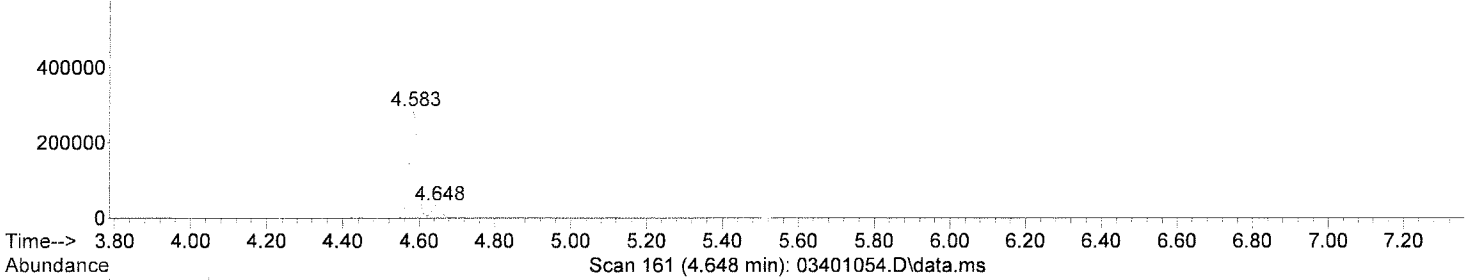
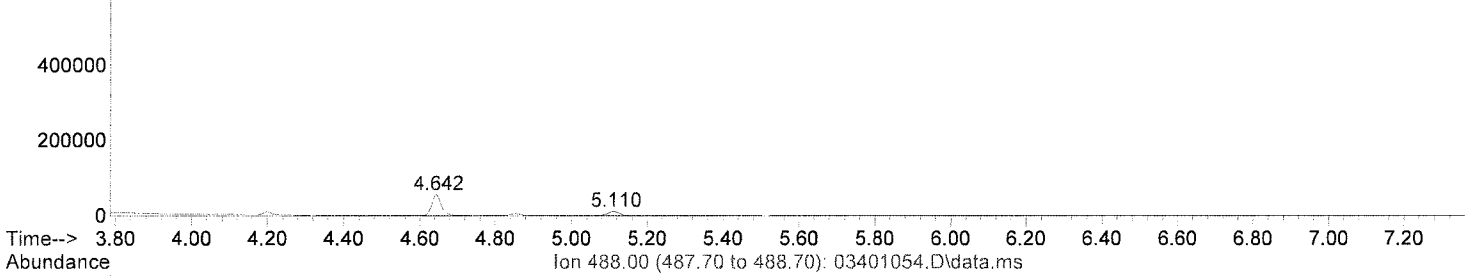
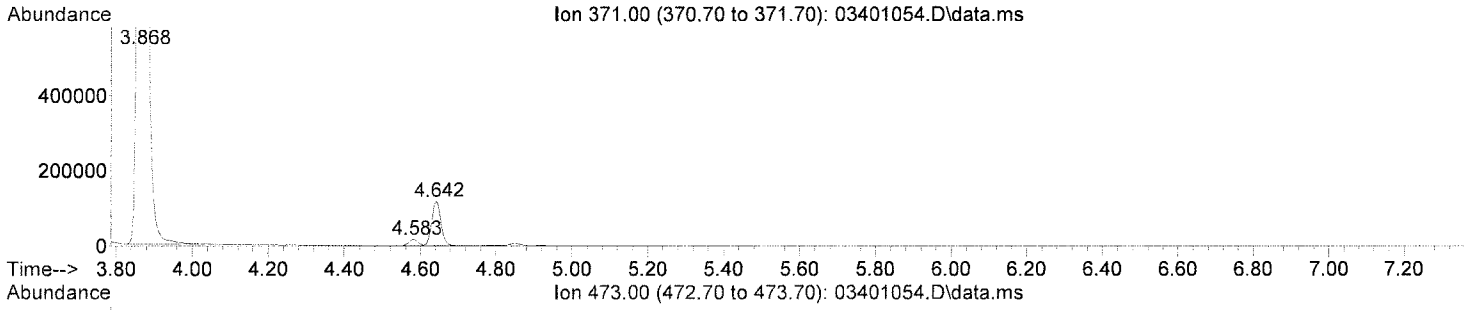
	<i>Ratio of 488:371</i>			
<i>1st ctrl</i>	<u>0.281</u>	<i>2nd ctrl</i>	<u>0.290</u>	avg. <u>0.286</u>

Accepted Range
(+/- 20%): 0.229 - 0.343

Carboxy-calculation sheet
Revision 0 effective date 10/23/13
Issuing authority: Quality Manager



File :E:\6-20-2017\03401054.D
Operator : Instrument 65198
Acquired : 21 Jun 2017 04:07 using AcqMethod cthc 101415.M
Instrument : Instrument # 65198- Tox Cd'A
Sample Name: brc3 control
Misc Info : lot 68440; am 3
Vial Number: 34



Area Percent Report

Data Path : E:\6-20-2017\
 Data File : 03301053.D
 Acq On : 21 Jun 2017 03:58
 Operator : Instrument 65198
 Sample : positive control
 Misc : FE03121501 in neg lot 42617; am 3
 ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 15000 Area counts
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\msdchem\1\METHODS\DEFAULT.M
 Title :

Signal : EIC Ion 371.00 (370.70 to 371.70): 03301053.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.868	8	16	41	rBV	3281055	4461631	100.00%	84.774%
2	4.583	141	149	153	rBV	12409	19929	0.45%	0.379%
3	4.642	153	160	185	rVB	464215	781423	17.51%	14.848%

Sum of corrected areas: 5262983

Signal : EIC Ion 473.00 (472.70 to 473.70): 03301053.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.642	152	160	182	rBV	215219	363102	100.00%	88.009%
2	5.110	234	247	268	rVB	25486	49470	13.62%	11.991%

Sum of corrected areas: 412572

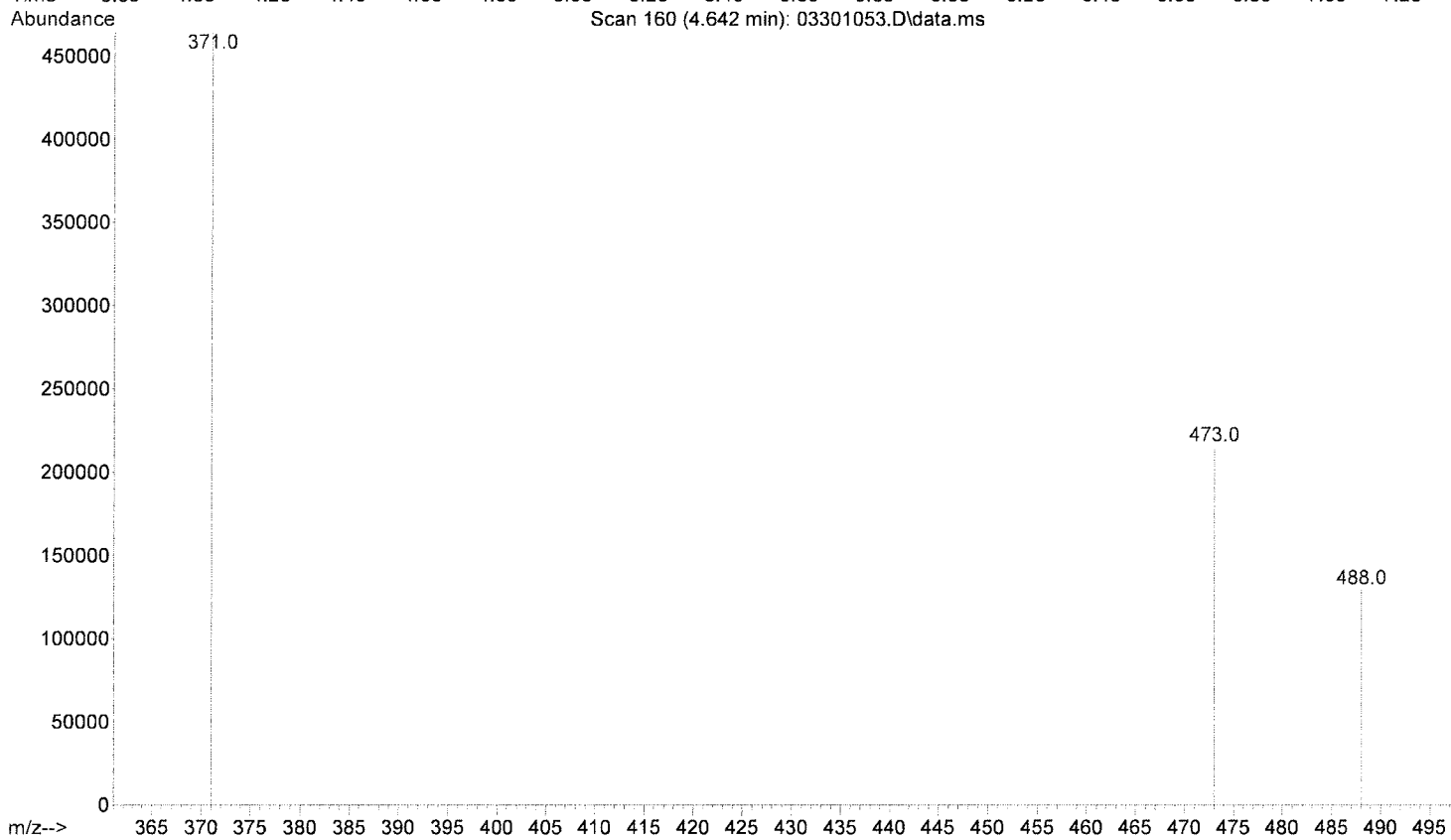
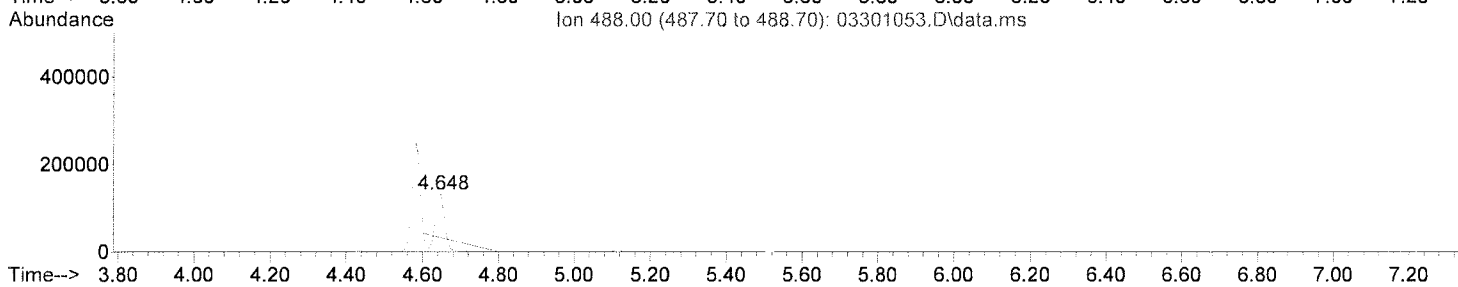
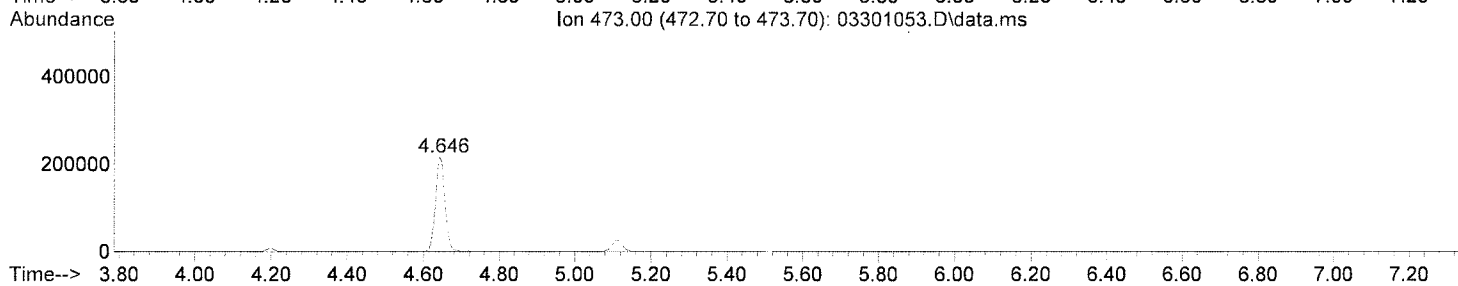
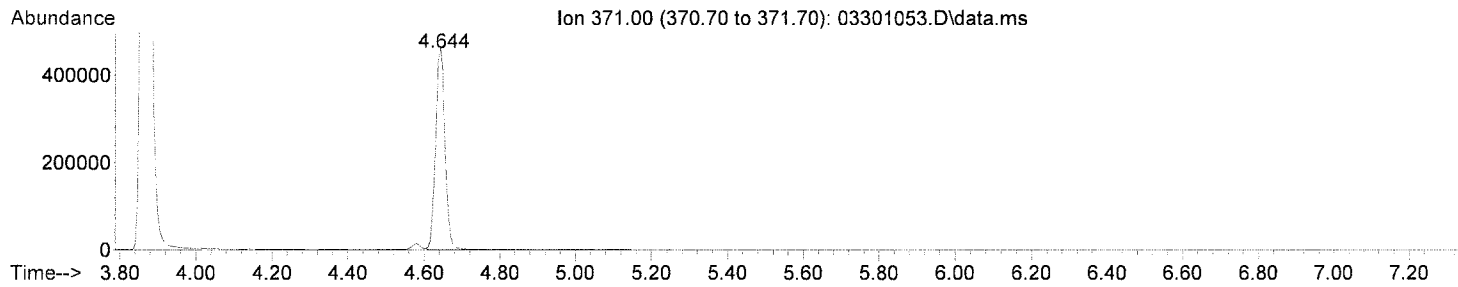
Signal : EIC Ion 488.00 (487.70 to 488.70): 03301053.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.583	139	149	155	rBV	250414	382481	100.00%	62.767%
2	4.648	155	161	196	rVB	131542	226884	59.32%	37.233%

Sum of corrected areas: 609365

DEFAULT.M Sun Jun 25 07:56:19 2017

File :E:\6-20-2017\03301053.D
Operator : Instrument 65198
Acquired : 21 Jun 2017 03:58 using AcqMethod cthc 101415.M
Instrument : Instrument # 65198- Tox Cd'A
Sample Name: positive control
Misc Info : FE03121501 in neg lot 42617; am 3
Vial Number: 33



Area Percent Report

Data Path : E:\6-20-2017\
Data File : 03301001.D
Acq On : 21 Jun 2017 09:02
Operator : Instrument 65198
Sample : positive control
Misc : FE03121501 in neg lot 42617; am 3
ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 15000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\DEFAULT.M
Title :

Signal : EIC Ion 371.00 (370.70 to 371.70): 03301001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.900	15	22	47	rBV	3559547	4560039	100.00%	82.794%
2	4.626	148	157	161	rBV	16406	31698	0.70%	0.576%
3	4.685	161	168	180	rBV	534550	915973	20.09%	16.631%

Sum of corrected areas: 5507710

Signal : EIC Ion 473.00 (472.70 to 473.70): 03301001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.685	160	168	190	rBV	240091	410740	100.00%	88.692%
2	5.159	244	256	270	rVB	27576	52367	12.75%	11.308%

Sum of corrected areas: 463107

Signal : EIC Ion 488.00 (487.70 to 488.70): 03301001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.626	147	157	163	rBV	234302	356661	100.00%	58.051%
2	4.691	163	169	202	rVB	147454	257733	72.26%	41.949%

Sum of corrected areas: 614394

DEFAULT.M Sun Jun 25 07:57:40 2017

File :E:\6-20-2017\03301001.D
Operator : Instrument 65198
Acquired : 21 Jun 2017 09:02 using AcqMethod cthc 101415.M
Instrument : Instrument # 65198- Tox Cd'A
Sample Name: positive control
Misc Info : FE03121501 in neg lot 42617; am 3
Vial Number: 33

