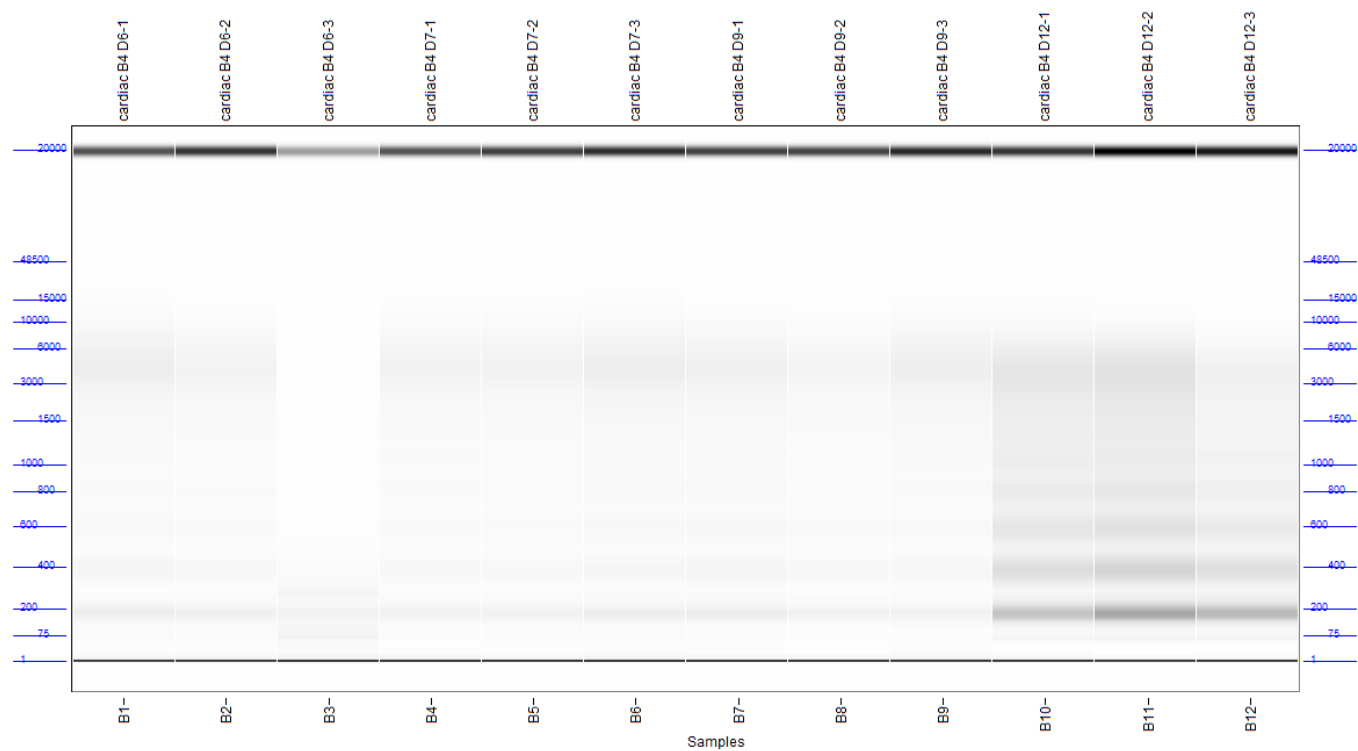
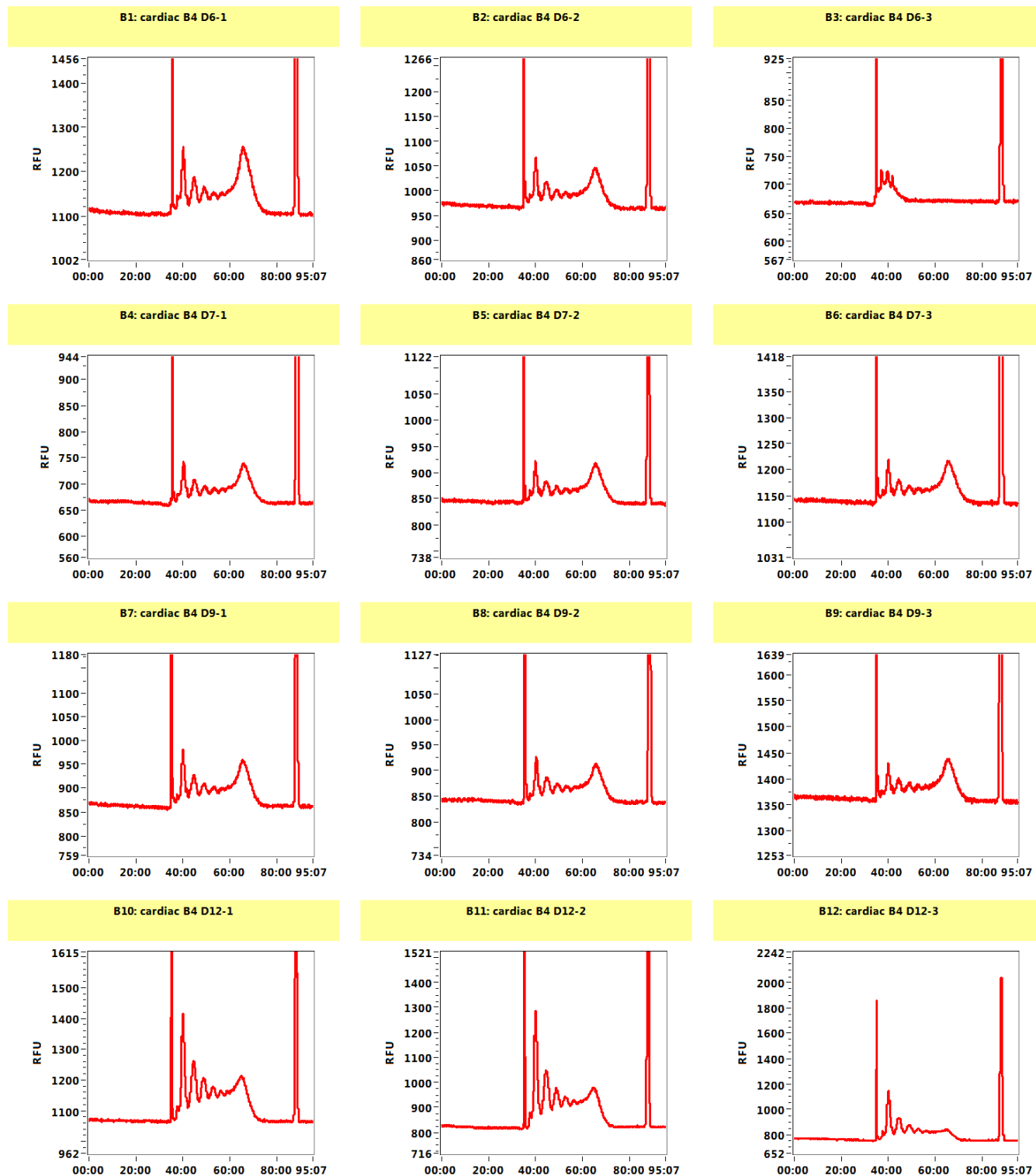


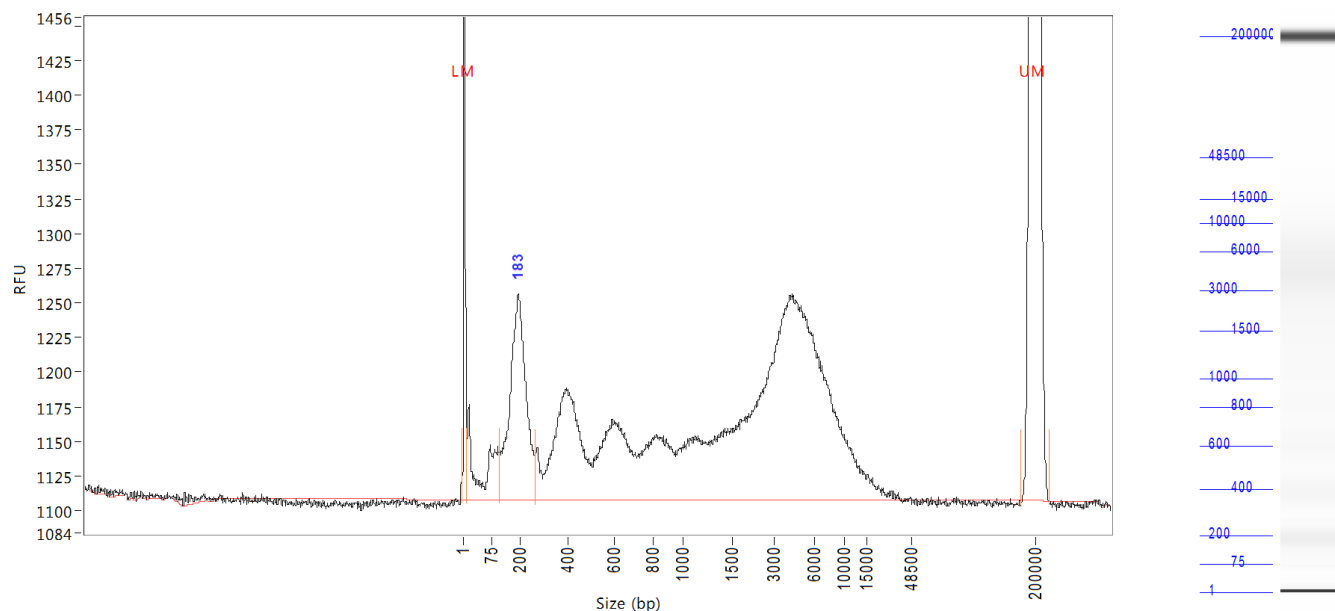
Fragment Analyzer Run Summary:**Filename and Data Path:** C:\AATI\Data\2021 07 21\17-10-29\2021 07 21 17H 10M.raw**Created:** Wednesday, July 21, 2021 5:26:30 PM**# of Capillaries:** 12**Array Serial #:** 072512-05LFS**Effect Length:** 55 cm**Array Usage Count:** 1817**FA Version #:** 1.0.2.9**Device Serial #:** 2656**METHOD INFORMATION****Method Name:** DNF-464-55 - HS Ext Large Fragment.mthds**Gel Prime:** No**Full Conditioning:** Yes**Gel Prime to Buffer:** No**Gel Selection:** Gel 1**Perform Prerun:** 7.0 kV, 30 sec.**Rinse:** No**Marker 1:** No**Rinse:** Tray: 3, Row: A, # Dips: 1**Sample Injection:** 9.0 kV, 30 sec.**Separation:** 7.0 kV, 95.0 min.**Tray Name:** Tray-1**Analysis Mode:** NGS**NOTE**

Gel Image



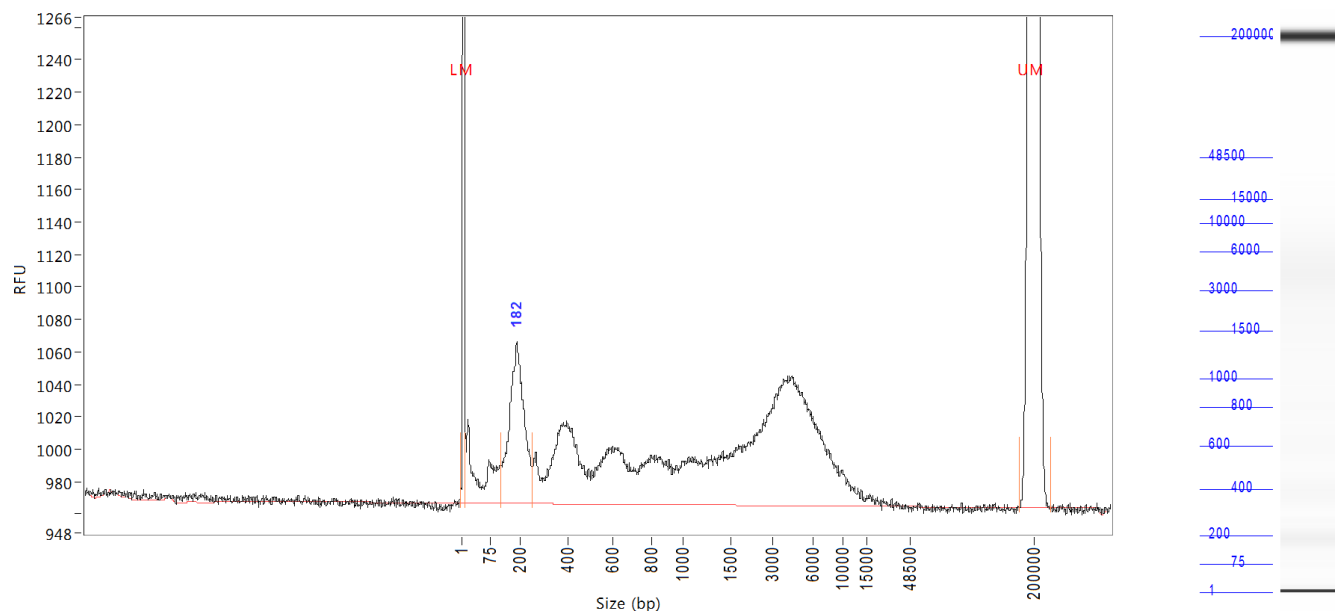
Filename and Data Path: C:\AATI\Data\2021 07 21\17-10-29\2021 07 21 17H 10M.raw



Sample: cardiac B4 D6-1**Well Location:** B1**Created:** Wednesday, July 21, 2021 5:26:30 PM

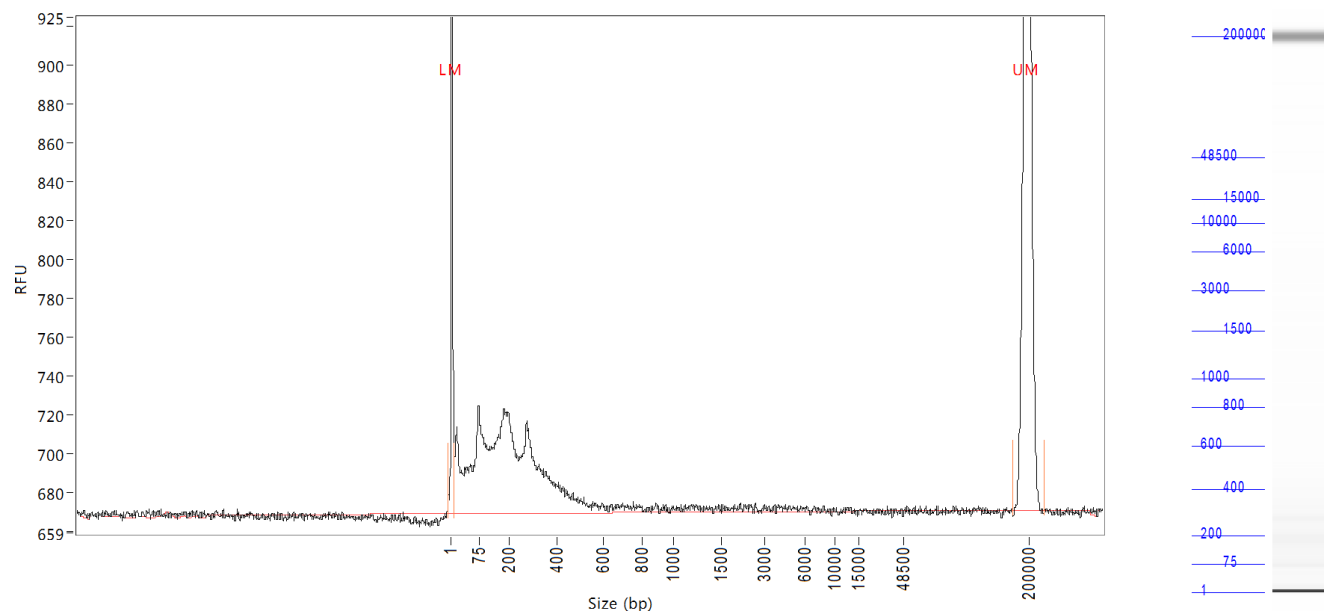
Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	183	100.0
3	200000 (UM)	
	TIC:	0.1272 ng/uL
	TIM:	1.142 nmole/L
	Total Conc.:	0.7876 ng/uL

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
 Manual Baseline Start (min): 12 Manual Baseline End (min): 94
 Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
 Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
 Min. RFU for Data Processing: 3

Sample: cardiac B4 D6-2**Well Location:** B2**Created:** Wednesday, July 21, 2021 5:26:30 PM

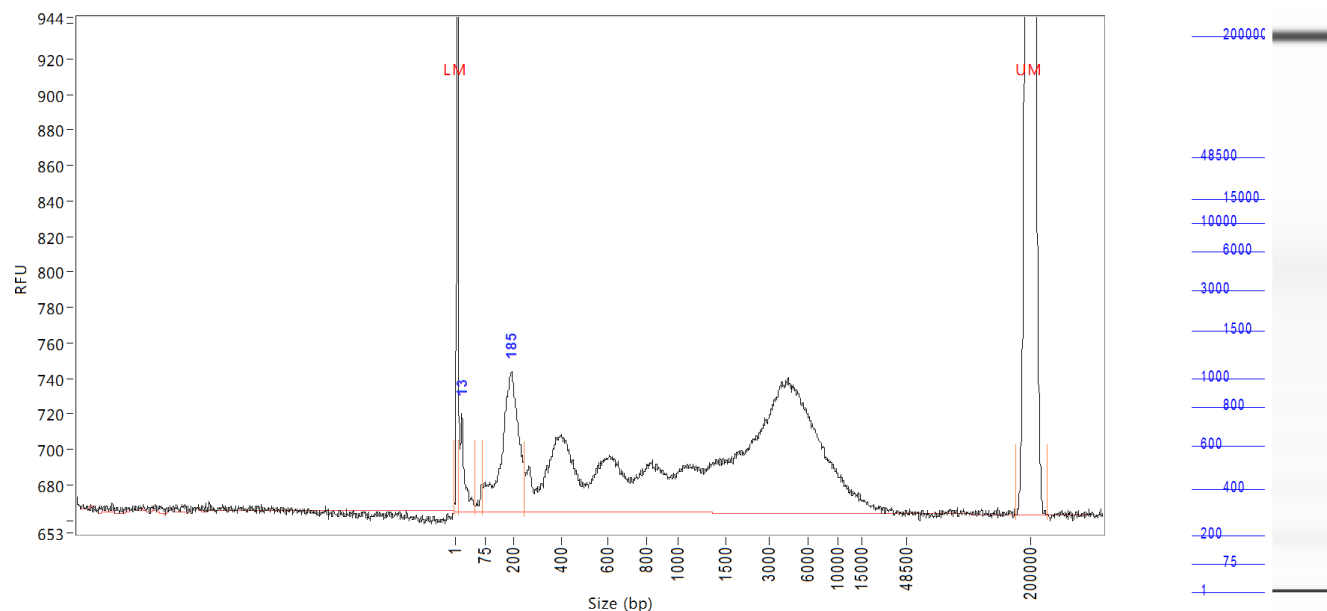
Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	182	100.0
3	200000 (UM)	
	TIC:	0.1007 ng/uL
	TIM:	0.912 nmole/L
	Total Conc.:	0.5976 ng/uL

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
Manual Baseline Start (min): 12 Manual Baseline End (min): 94
Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
Min. RFU for Data Processing: 3

Sample: cardiac B4 D6-3**Well Location:** B3**Created:** Wednesday, July 21, 2021 5:26:30 PM

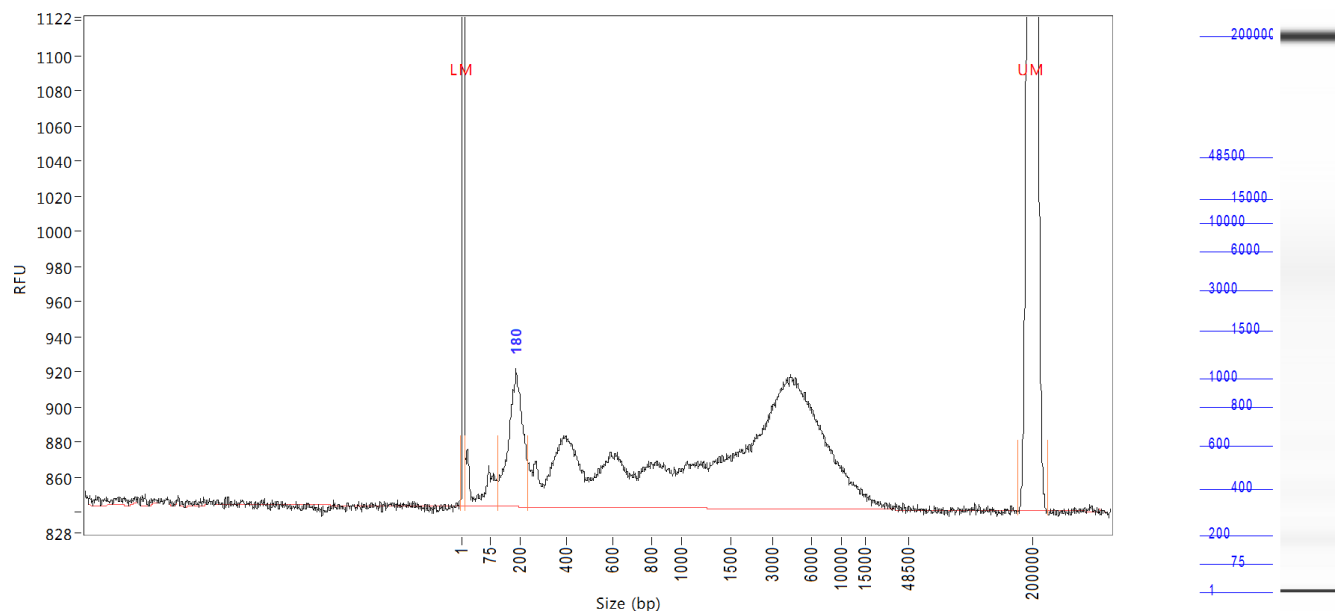
Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	200000 (UM)	
	TIC:	0.0000 ng/uL
	TIM:	0.000 nmole/L
	Total Conc.:	0.2725 ng/uL

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
 Manual Baseline Start (min): 12 Manual Baseline End (min): 94
 Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
 Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
 Min. RFU for Data Processing: 3

Sample: cardiac B4 D7-1**Well Location:** B4**Created:** Wednesday, July 21, 2021 5:26:30 PM

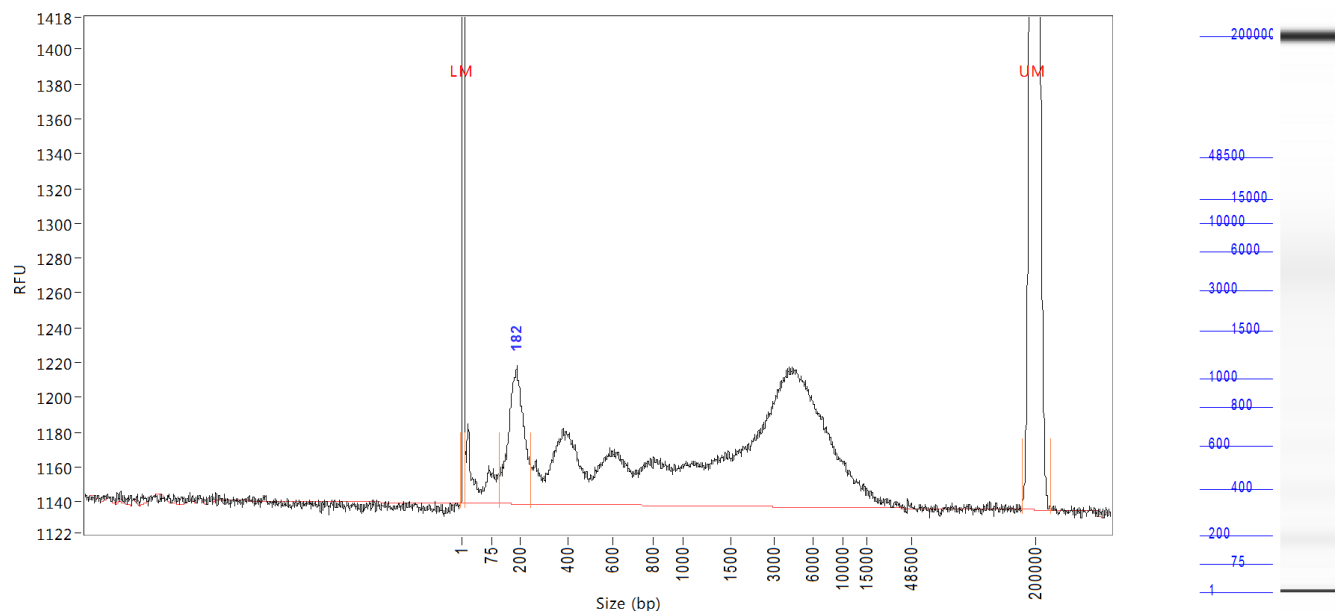
Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	13	15.1
3	185	84.9
4	200000 (UM)	
TIC: 0.1175 ng/uL		
TIM: 3.051 nmole/L		
Total Conc.: 0.5875 ng/uL		

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
 Manual Baseline Start (min): 12 Manual Baseline End (min): 94
 Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
 Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
 Min. RFU for Data Processing: 3

Sample: cardiac B4 D7-2**Well Location:** B5**Created:** Wednesday, July 21, 2021 5:26:30 PM

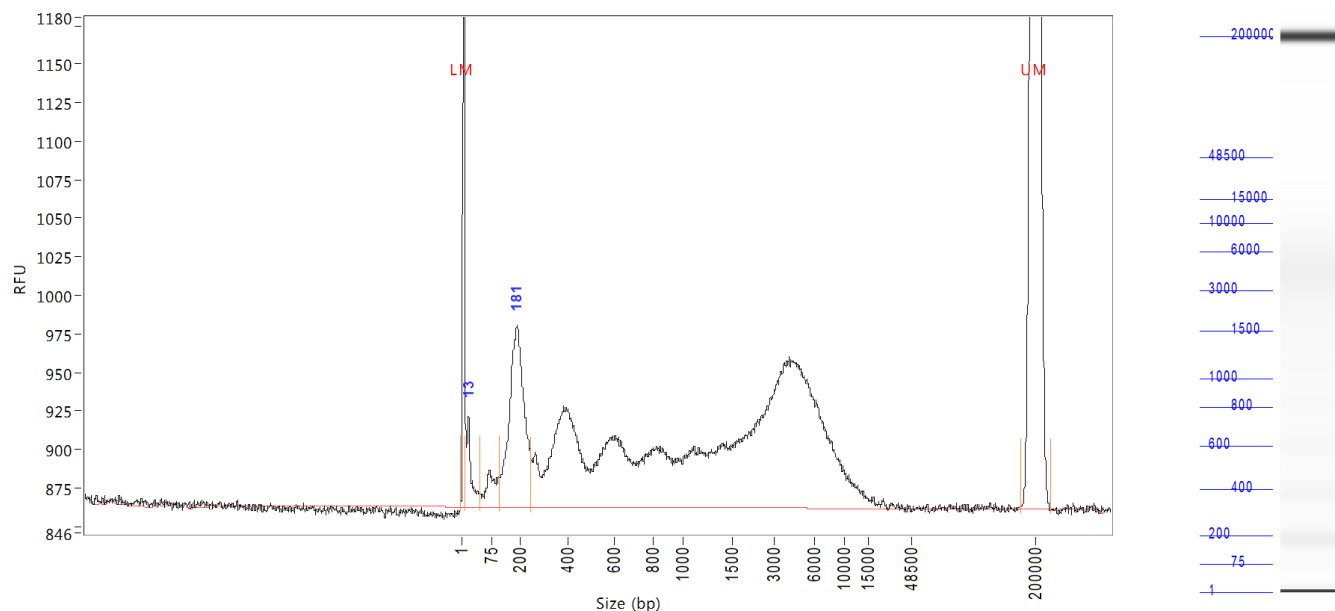
Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	180	100.0
3	200000 (UM)	
	TIC:	0.0860 ng/uL
	TIM:	0.785 nmole/L
	Total Conc.:	0.5886 ng/uL

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
 Manual Baseline Start (min): 12 Manual Baseline End (min): 94
 Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
 Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
 Min. RFU for Data Processing: 3

Sample: cardiac B4 D7-3**Well Location:** B6**Created:** Wednesday, July 21, 2021 5:26:30 PM

Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	182	100.0
3	200000 (UM)	
	TIC:	0.1157 ng/uL
	TIM:	1.047 nmole/L
	Total Conc.:	0.7655 ng/uL

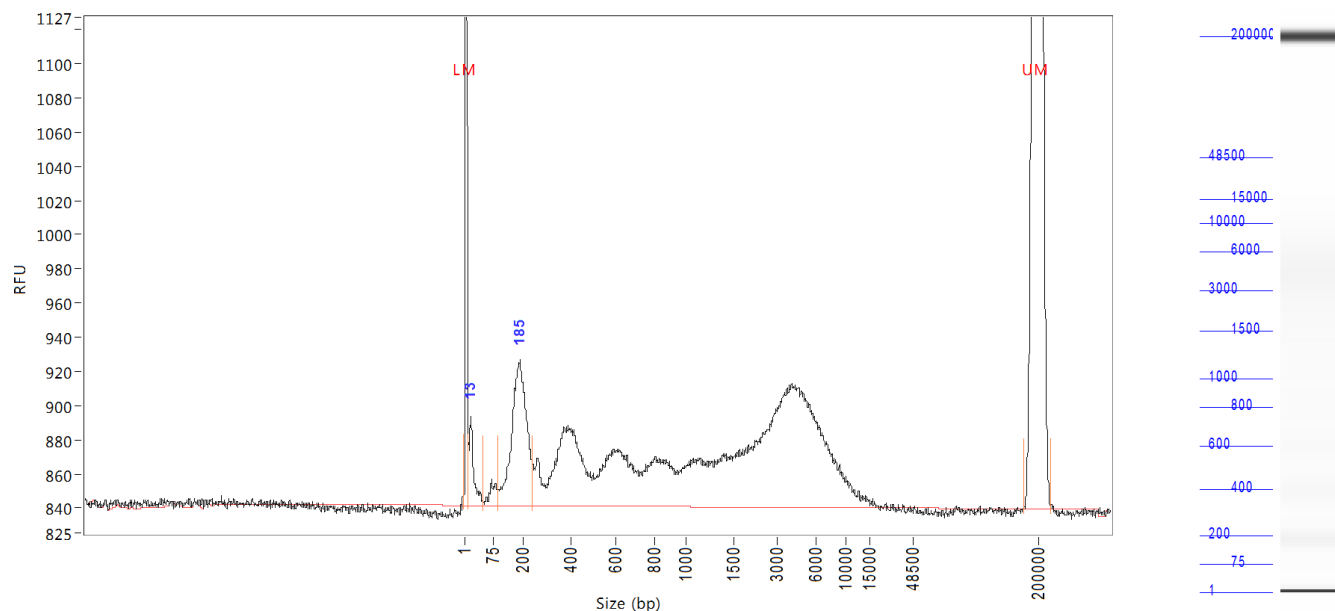
Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
Manual Baseline Start (min): 12 Manual Baseline End (min): 94
Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
Min. RFU for Data Processing: 3

Sample: cardiac B4 D9-1**Well Location:** B7**Created:** Wednesday, July 21, 2021 5:26:30 PM

Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	13	13.4
3	181	86.6
4	200000 (UM)	

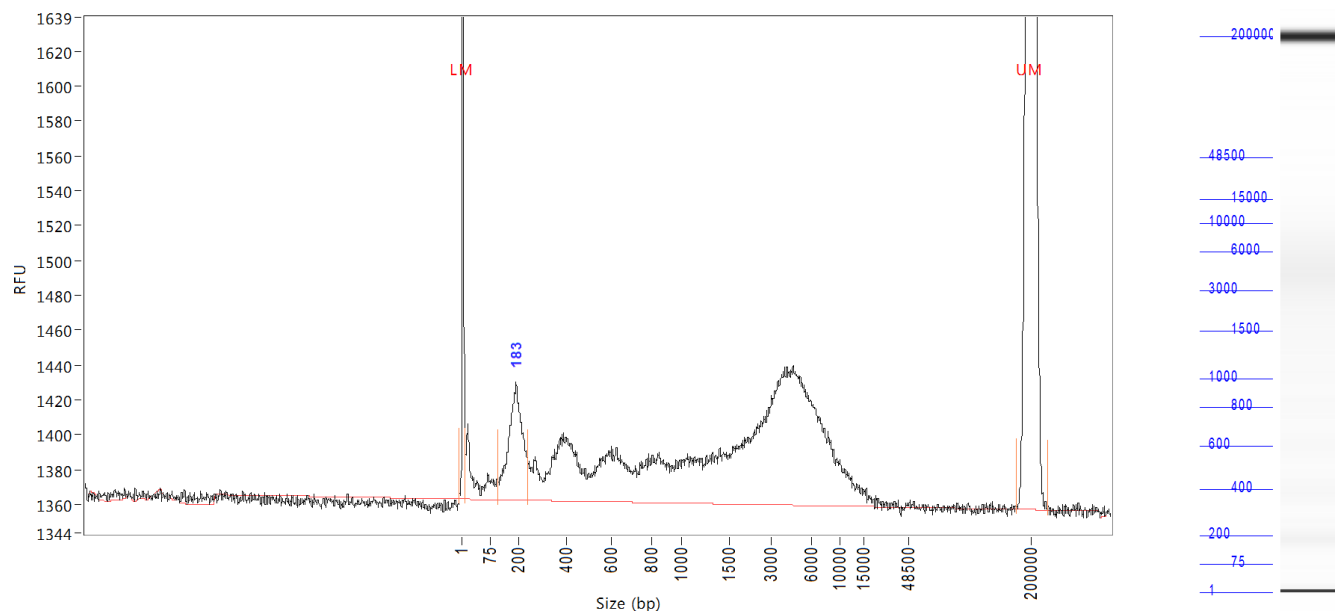
TIC:	0.1398	ng/uL
TIM:	3.390	nmole/L
Total Conc.:	0.7525	ng/uL

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
 Manual Baseline Start (min): 12 Manual Baseline End (min): 94
 Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
 Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
 Min. RFU for Data Processing: 3

Sample: cardiac B4 D9-2**Well Location:** B8**Created:** Wednesday, July 21, 2021 5:26:30 PM

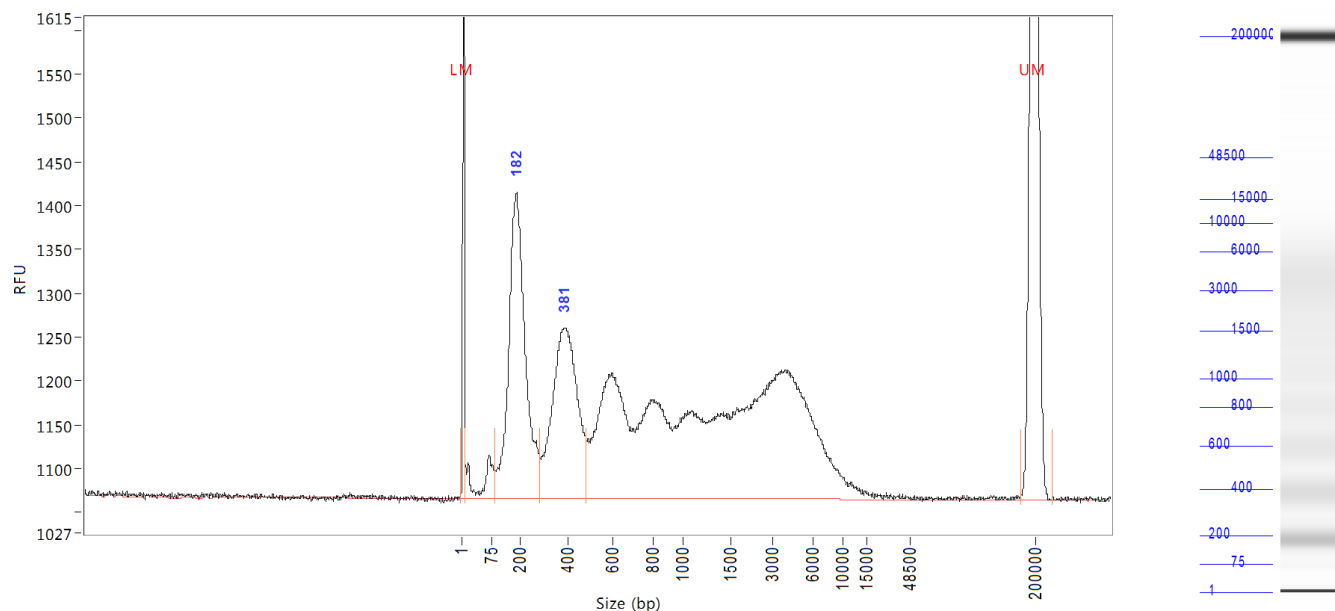
Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	13	14.4
3	185	85.6
4	200000 (UM)	
TIC: 0.1012 ng/uL		
TIM: 2.605 nmole/L		
Total Conc.: 0.5244 ng/uL		

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
Manual Baseline Start (min): 12 Manual Baseline End (min): 94
Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
Min. RFU for Data Processing: 3

Sample: cardiac B4 D9-3**Well Location:** B9**Created:** Wednesday, July 21, 2021 5:26:30 PM

Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	183	100.0
3	200000 (UM)	
	TIC:	0.0812 ng/uL
	TIM:	0.729 nmole/L
	Total Conc.:	0.6524 ng/uL

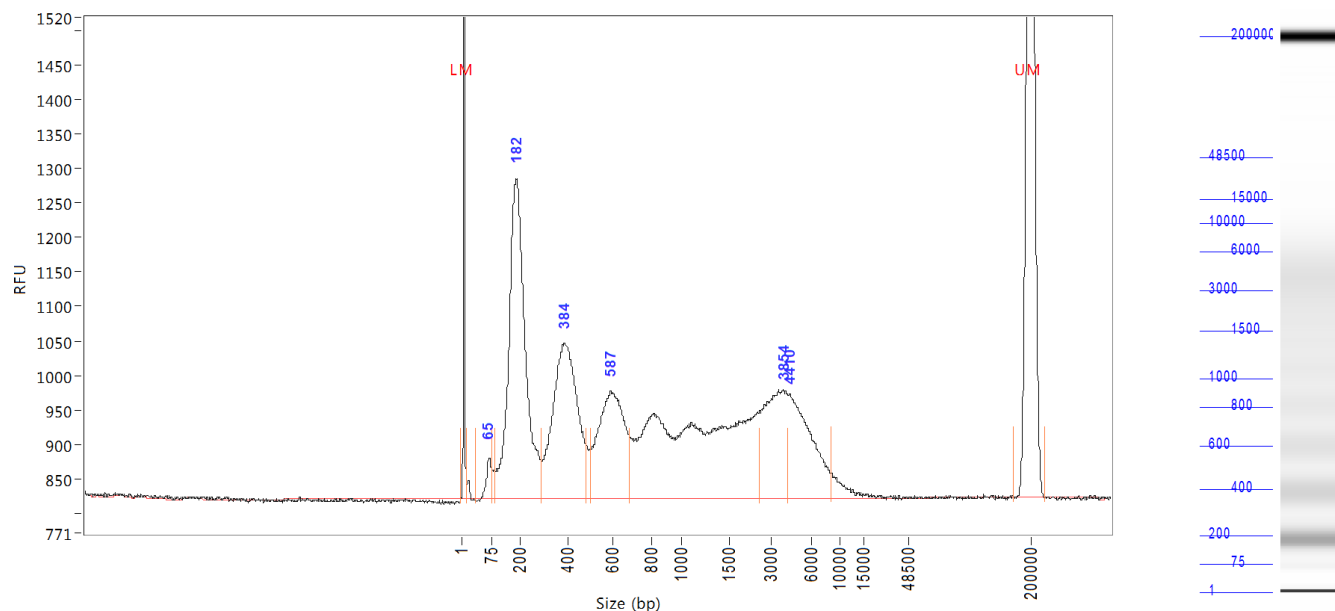
Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
Manual Baseline Start (min): 12 Manual Baseline End (min): 94
Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
Min. RFU for Data Processing: 3

Sample: cardiac B4 D12-1**Well Location:** B10**Created:** Wednesday, July 21, 2021 5:26:30 PM

Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	182	56.7
3	381	43.3
4	200000 (UM)	

TIC:	0.8229	ng/uL
TIM:	5.742	nmole/L
Total Conc.:	2.0927	ng/uL

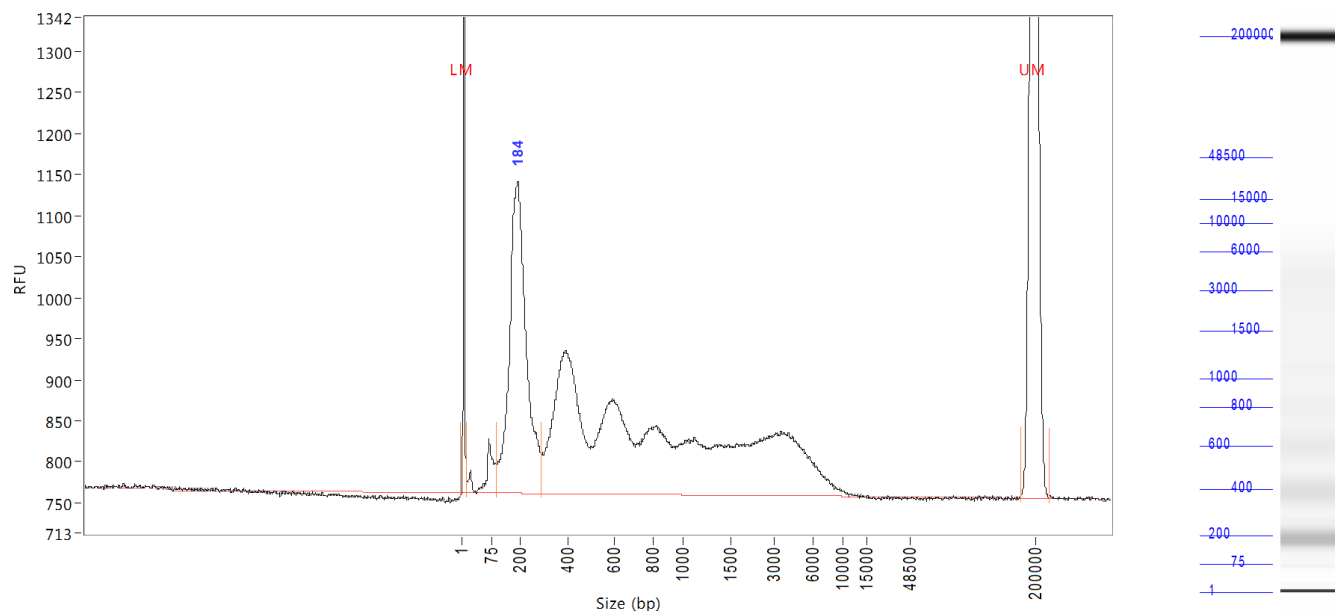
Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
 Manual Baseline Start (min): 12 Manual Baseline End (min): 94
 Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
 Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
 Min. RFU for Data Processing: 3

Sample: cardiac B4 D12-2**Well Location:** B11**Created:** Wednesday, July 21, 2021 5:26:30 PM

Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	65	1.5
3	182	36.9
4	384	24.6
5	587	15.9
6	3854	11.1
7	4410	10.0
8	200000 (UM)	

TIC:	1.8742	ng/uL
TIM:	9.952	nmole/L
Total Conc.:	2.6515	ng/uL

Sample Peak Width (sec): 10 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
 Manual Baseline Start (min): 12 Manual Baseline End (min): 94
 Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
 Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
 Min. RFU for Data Processing: 3

Sample: cardiac B4 D12-3**Well Location:** B12**Created:** Wednesday, July 21, 2021 5:26:30 PM

Peak	Size (bp)	Rel. Conc. %
1	1 (LM)	
2	184	100.0
3	200000 (UM)	

TIC:	0.5297	ng/uL
TIM:	4.736	nmole/L
Total Conc.:	1.6995	ng/uL

Sample Peak Width (sec): 10 Sample Min Peak Height: 200 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 95
Manual Baseline Start (min): 12 Manual Baseline End (min): 94
Marker Peak Width (sec): 5 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp): 1, 75, 200, 400, 600, 800, 1000, 1500, 3000, 6000, 10000, 15000, 48500, 200000
Quantification Using: Ladder Final Concentration (ng/uL): 0.1250 Dilution Factor: 12.0
Min. RFU for Data Processing: 3

Sample: DNA Size Ladder**Well Location:** A12**Created:** Wednesday, July 21, 2021 5:26:30 PM**Import From:** C:\Users\aatl\Desktop\cfDNA ladder.SCAL**Fit Type:** Point to Point

Calibration Curve

