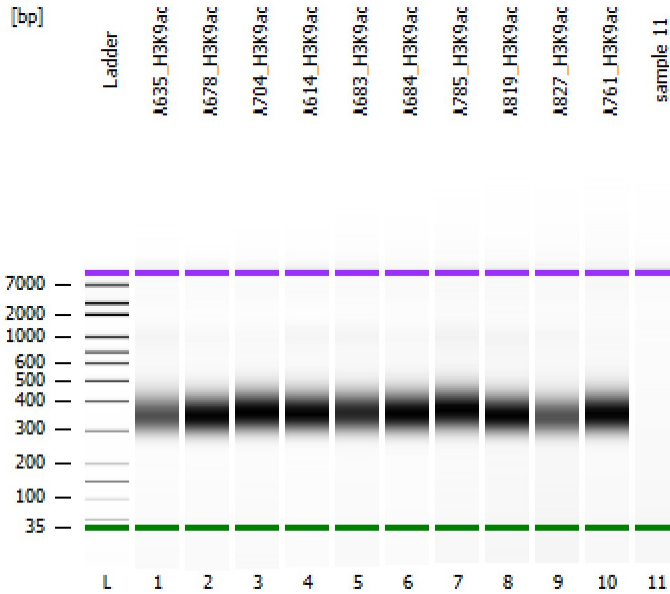


Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
Modified: 11/20/2019 12:05:57 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

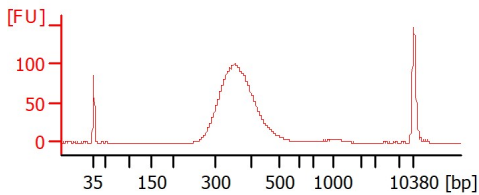
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

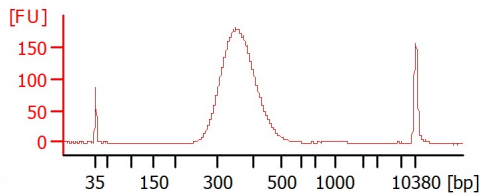
Chip Information:

Chip Lot #:   
Reagent Kit Lot #:   
Chip Comments:

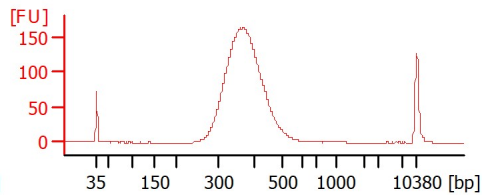
**A635\_H3K9ac**



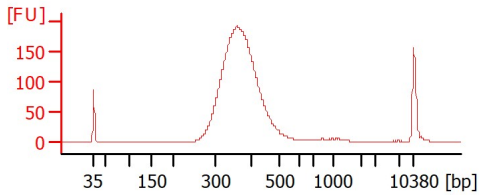
**A678\_H3K9ac**



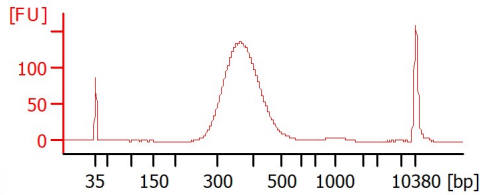
**A704\_H3K9ac**



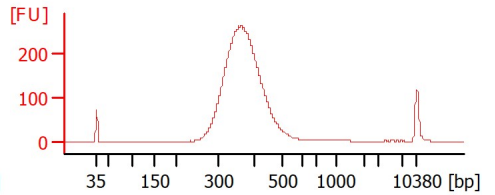
**A614\_H3K9ac**



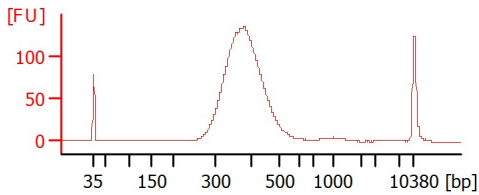
**A683\_H3K9ac**



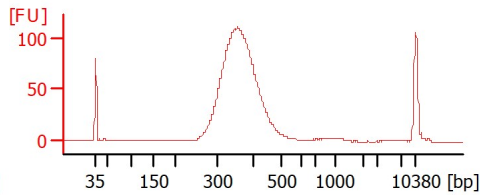
**A684\_H3K9ac**



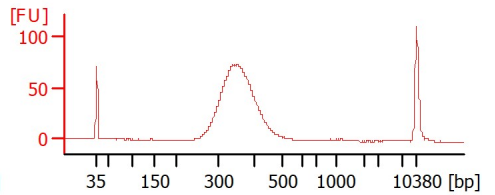
**A785\_H3K9ac**



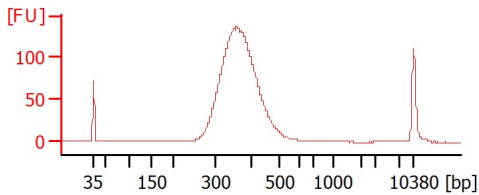
**A819\_H3K9ac**



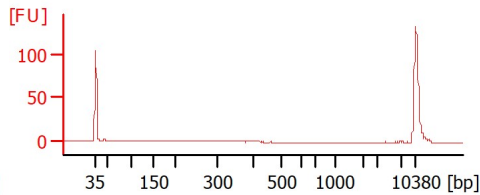
**A827\_H3K9ac**



**A761\_H3K9ac**



**sample 11**



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A635_H3K9ac		<input type="checkbox"/>	✓			
A678_H3K9ac		<input type="checkbox"/>	✓			
A704_H3K9ac		<input type="checkbox"/>	✓			
A614_H3K9ac		<input type="checkbox"/>	✓			
A683_H3K9ac		<input type="checkbox"/>	✓			
A684_H3K9ac		<input type="checkbox"/>	✓			
A785_H3K9ac		<input type="checkbox"/>	✓			
A819_H3K9ac		<input type="checkbox"/>	✓			
A827_H3K9ac		<input type="checkbox"/>	✓			
A761_H3K9ac		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
 Minimum Visible Range [s] : 32  
 Maximum Visible Range [s] : 138  
 Start Analysis Time Range [s] : 33  
 End Analysis Time Range [s] : 137.5  
 Ladder Concentration [pg/μl] : 1950  
 Uses Standard Area for Ladder Fragments  
 Lower Marker Concentration [pg/μl] : 125  
 Upper Marker Concentration [pg/μl] : 75  
 Used Upper Marker for Quantitation  
 Standard Curve Fit is Point to Point  
 Show Data Aligned to Lower and Upper Marker

**Integrator Settings**

Integration Start Time [s] : 33.05  
 Integration End Time [s] : 137  
 Slope Threshold : 0.8  
 Height Threshold [FU] : 5  
 Area Threshold : 0.1  
 Width Threshold [s] : 0.6  
 Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
 Polynomial Order : 4

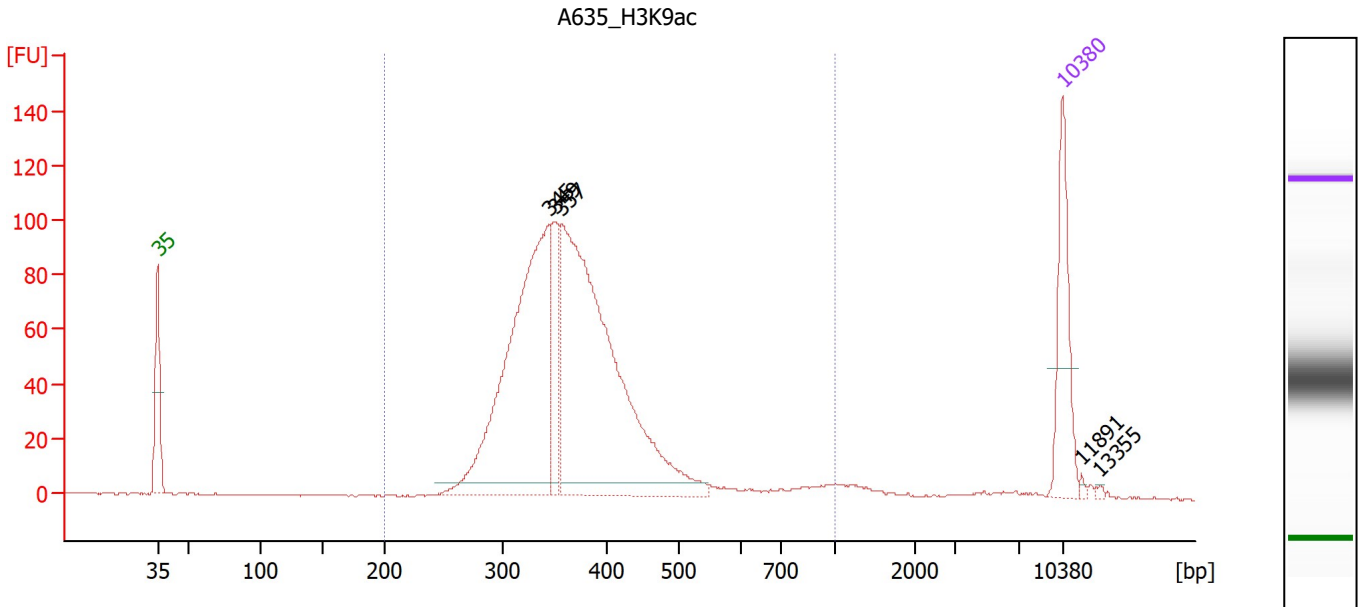
**Ladder**

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary**



**Overall Results for sample 1 : A635 H3K9ac**

Number of peaks found: 5                      Corr. Area 1: 1,295.5  
 Noise: 0.2

**Peak table for sample 1 : A635 H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	345	451.24	1,983.1	
3	349	80.82	350.5	
4	357	574.65	2,439.5	
5	10,380	75.00	10.9	Upper Marker
6	11,891	0.00	0.0	
7	13,355	0.00	0.0	

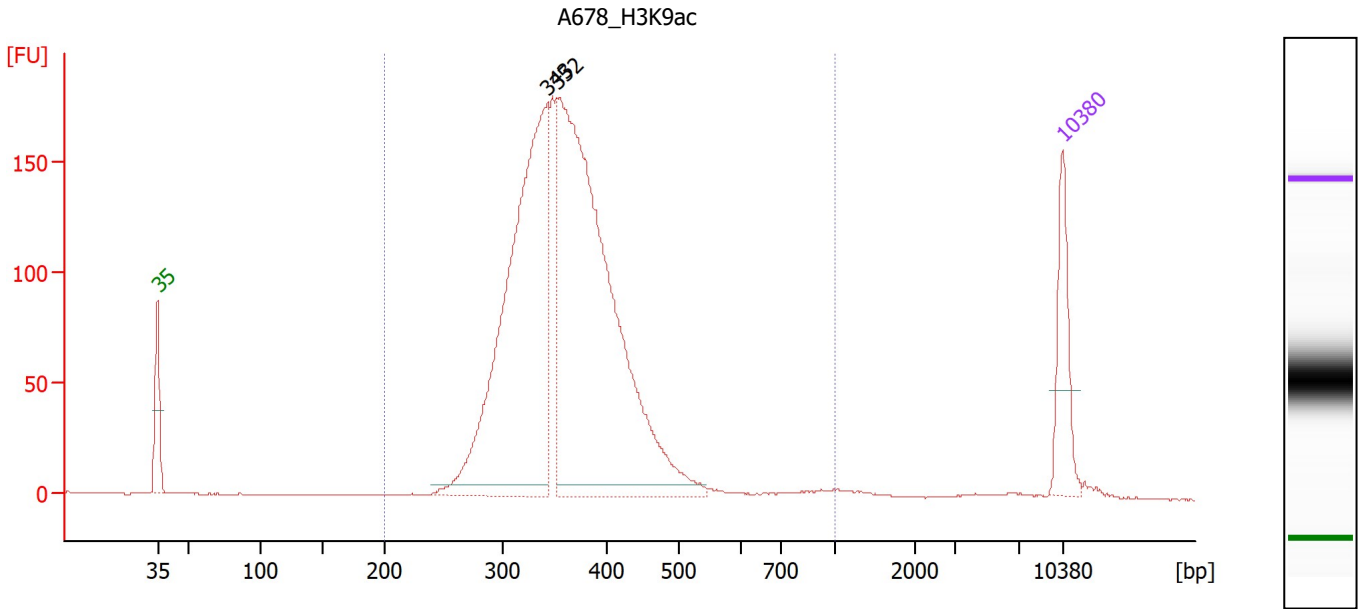
**Region table for sample 1 : A635 H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,295.5	96	377	23.4	1,148.86	4,831.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : A678 H3K9ac**

Number of peaks found: 2                      Corr. Area 1: 2,264.3  
 Noise: 0.2

**Peak table for sample 2 : A678 H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	343	758.07	3,351.5	
3	352	989.68	4,260.5	
4	10,380	75.00	10.9	Upper Marker

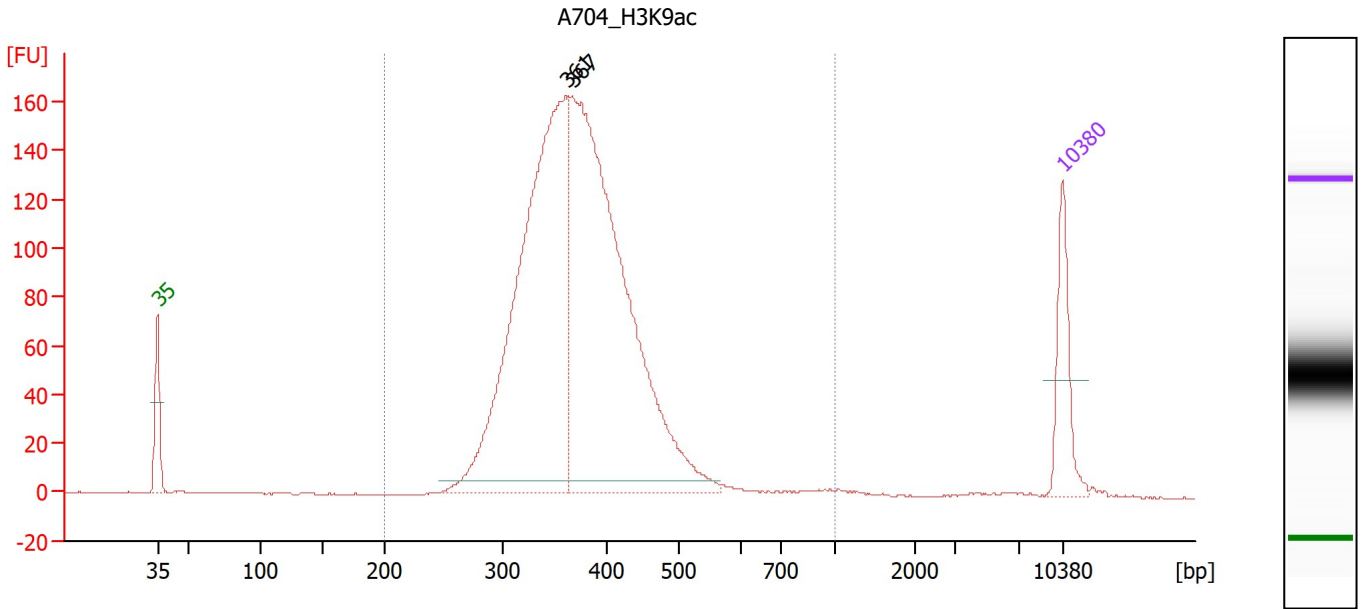
**Region table for sample 2 : A678 H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,264.3	98	366	18.5	1,849.56	7,899.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : A704 H3K9ac**

Number of peaks found: 2                      Corr. Area 1: 2,117.1  
 Noise: 0.2

**Peak table for sample 3 : A704 H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	361	879.94	3,693.7	
3	367	993.47	4,096.6	
4	10,380	75.00	10.9	Upper Marker

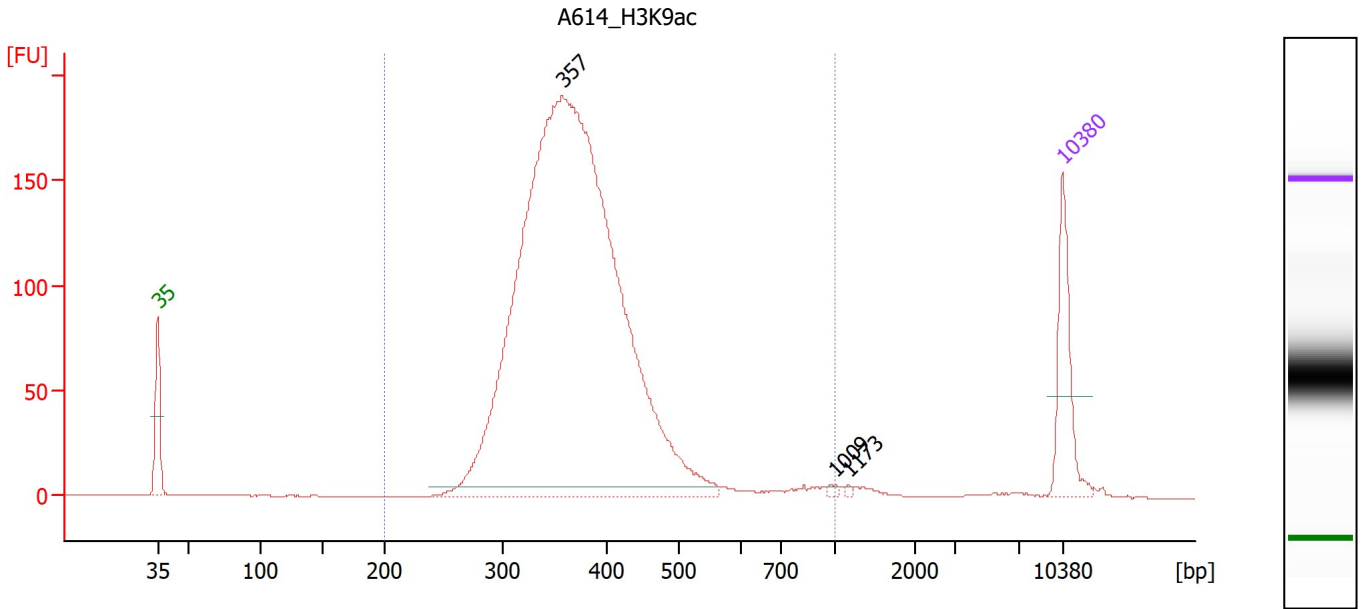
**Region table for sample 3 : A704 H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,117.0	98	379	18.4	1,928.38	7,959.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : A614\_H3K9ac**

Number of peaks found: 3                      Corr. Area 1: 2,389.5  
 Noise: 0.2

**Peak table for sample 4 : A614\_H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	357	1,835.38	7,788.1	
3	1,009	3.25	4.9	
4	1,173	2.19	2.8	
5	10,380	75.00	10.9	Upper Marker

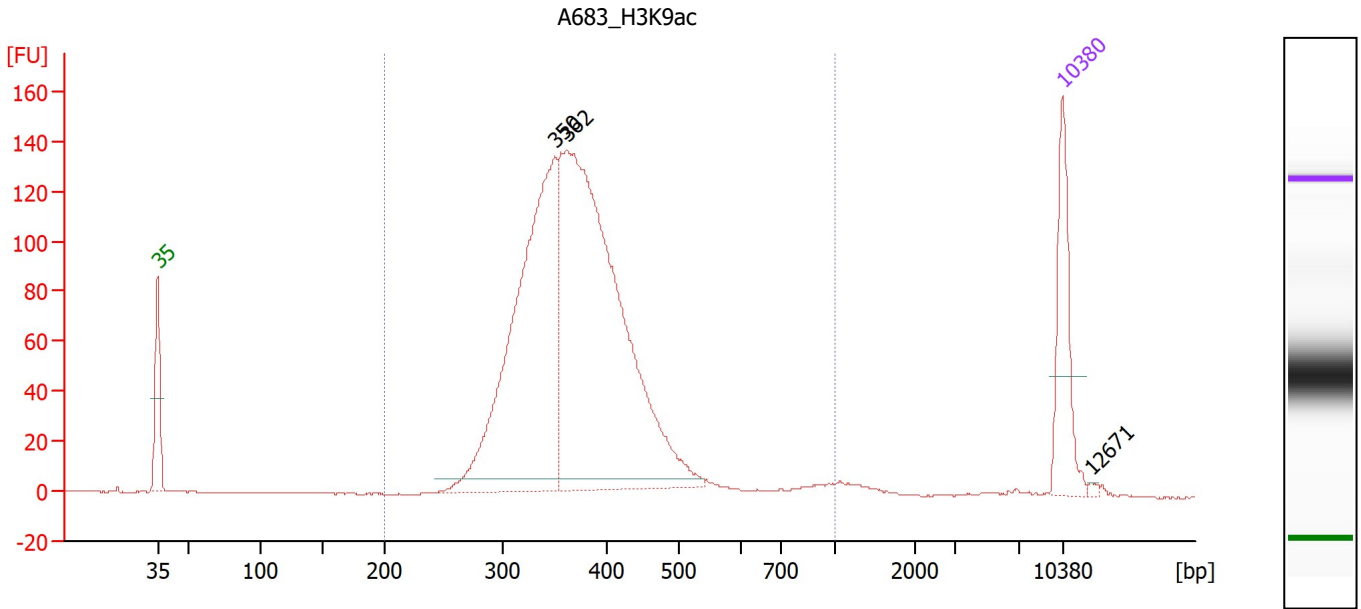
**Region table for sample 4 : A614\_H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,389.5	98	378	20.3	1,849.06	7,673.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : A683 H3K9ac**

Number of peaks found: 3                      Corr. Area 1: 1,753.6  
 Noise: 0.2

**Peak table for sample 5 : A683 H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	350	520.62	2,252.9	
3	362	755.60	3,162.8	
4	10,380	75.00	10.9	Upper Marker
5	12,671	0.00	0.0	

**Region table for sample 5 : A683 H3K9ac**

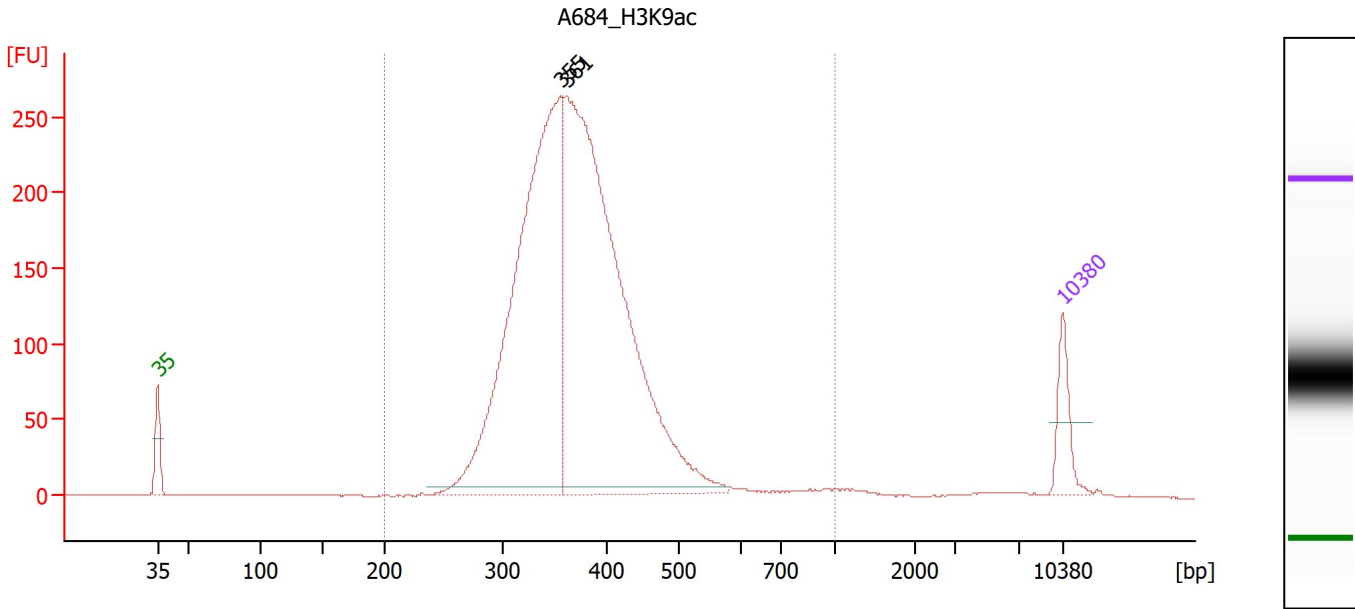
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,753.6	97	379	20.8	1,324.36	5,489.4	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : A684\_H3K9ac**

Number of peaks found: 2                      Corr. Area 1: 3,379.5  
 Noise: 0.2

**Peak table for sample 6 : A684\_H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	355	1,532.72	6,535.6	
3	361	1,848.44	7,755.9	
4	10,380	75.00	10.9	Upper Marker

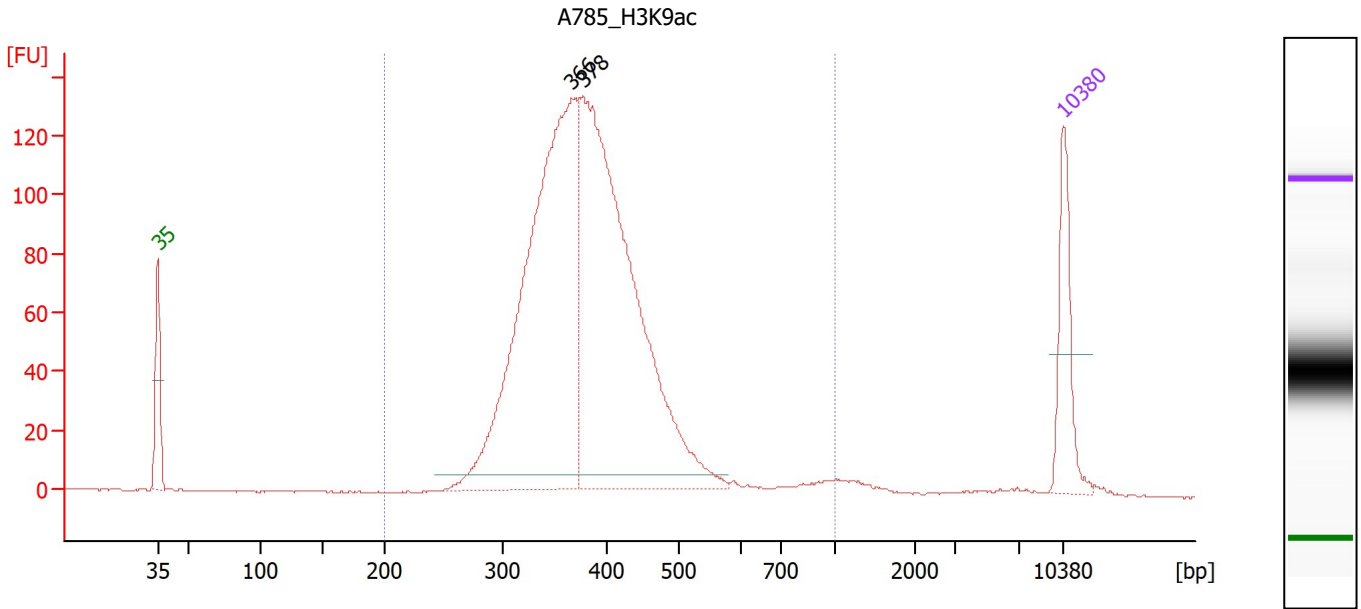
**Region table for sample 6 : A684\_H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	3,379.5	98	377	19.4	3,470.43	14,443.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : A785\_H3K9ac**

Number of peaks found: 2                      Corr. Area 1: 1,723.7  
 Noise: 0.2

**Peak table for sample 7 : A785\_H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	366	788.06	3,258.3	
3	378	778.45	3,123.8	
4	10,380	75.00	10.9	Upper Marker

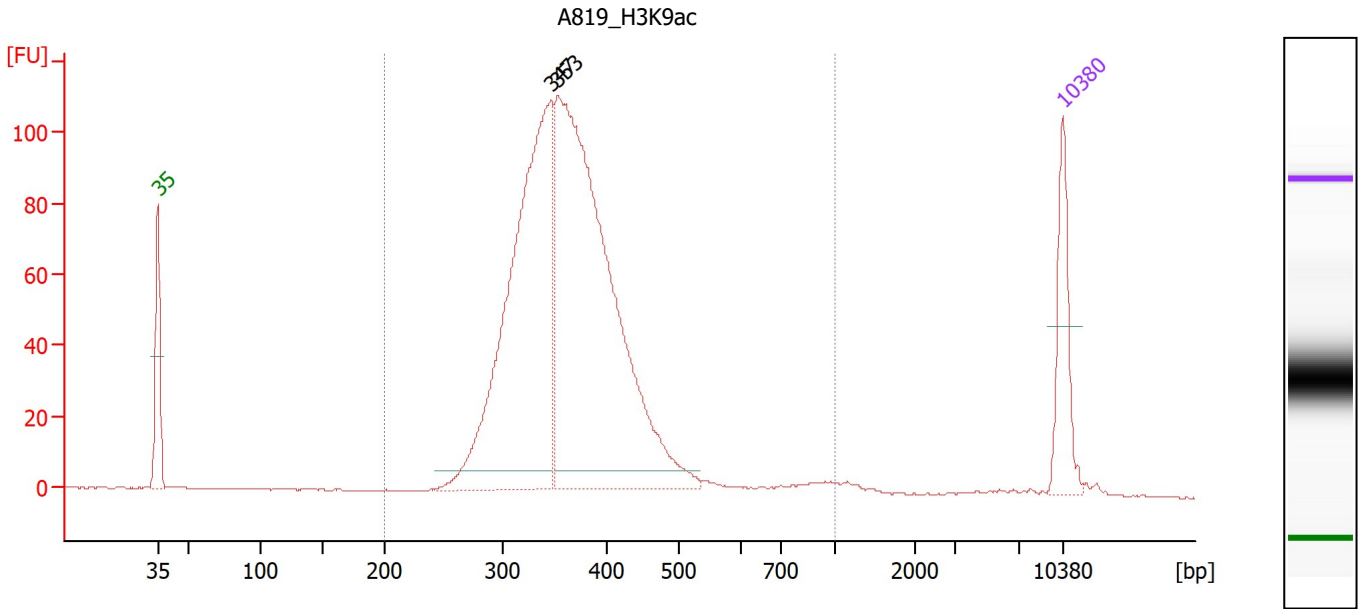
**Region table for sample 7 : A785\_H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,723.7	97	389	20.4	1,633.76	6,596.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : A819 H3K9ac**

Number of peaks found: 2                      Corr. Area 1: 1,336.7  
 Noise: 0.2

**Peak table for sample 8 : A819 H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	347	661.51	2,892.2	
3	353	878.07	3,773.9	
4	10,380	75.00	10.9	Upper Marker

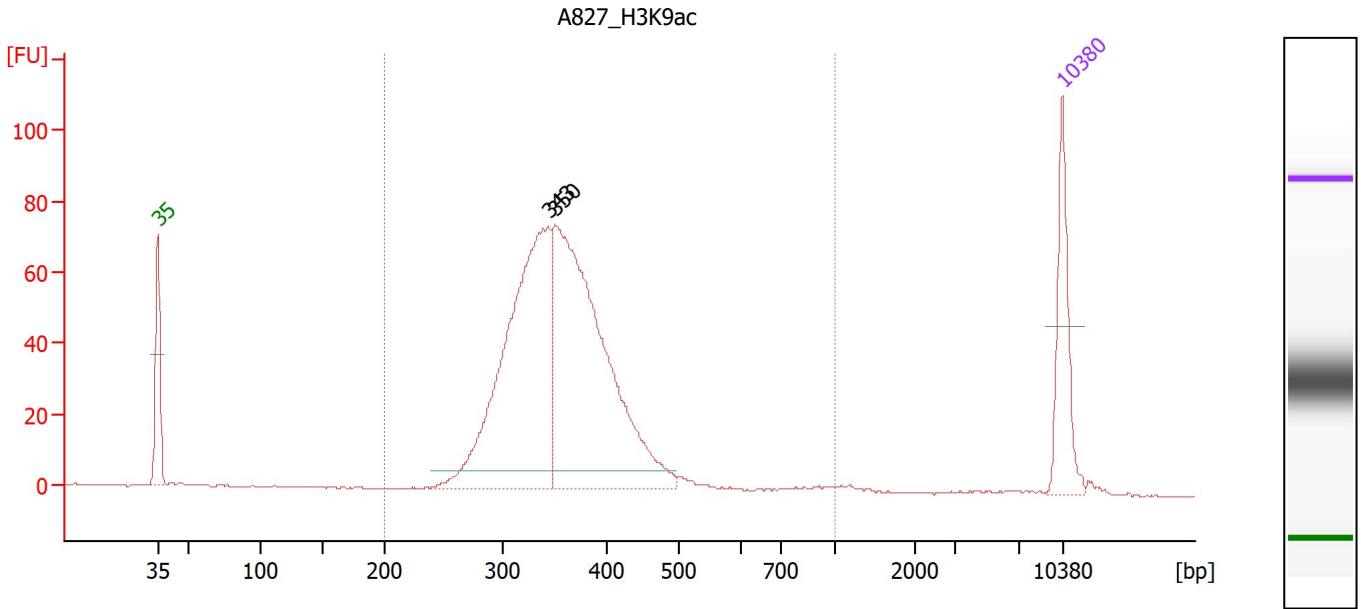
**Region table for sample 8 : A819 H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,336.7	98	371	20.7	1,596.20	6,755.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : A827\_H3K9ac**

Number of peaks found: 2                      Corr. Area 1: 897.1  
 Noise: 0.2

**Peak table for sample 9 : A827\_H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	343	485.02	2,139.8	
3	350	551.07	2,384.7	
4	10,380	75.00	10.9	Upper Marker

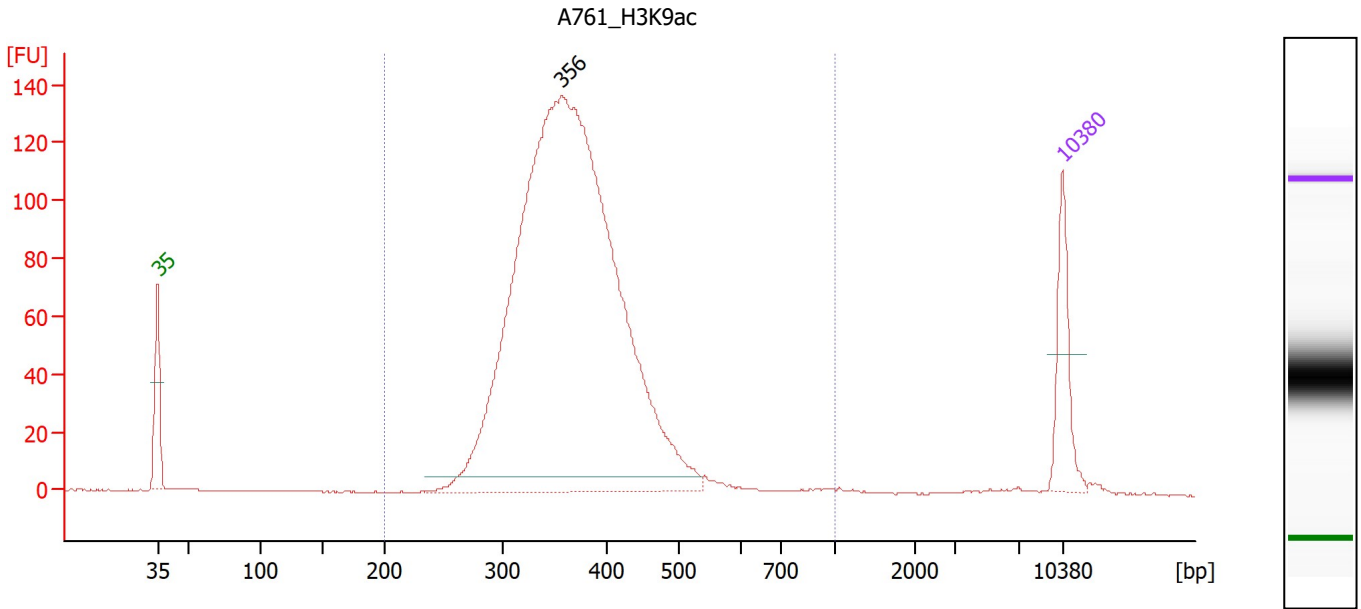
**Region table for sample 9 : A827\_H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	897.1	96	363	19.9	1,066.49	4,598.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : A761\_H3K9ac**

Number of peaks found: 1                      Corr. Area 1: 1,692.9  
 Noise: 0.2

**Peak table for sample 10 : A761\_H3K9ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	356	1,859.69	7,917.8	
3	10,380	75.00	10.9	Upper Marker

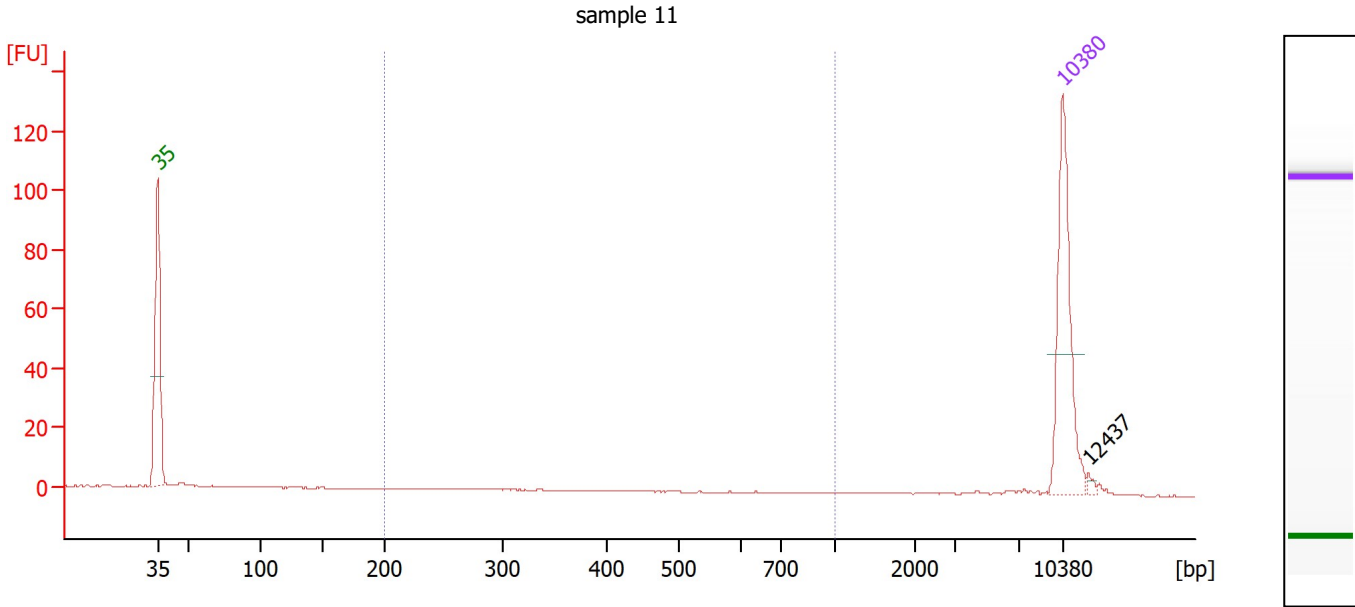
**Region table for sample 10 : A761\_H3K9ac**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,692.9	97	373	18.1	1,894.69	7,941.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 1                      Corr. Area 1: 1.6  
 Noise: 0.1

**Peak table for sample 11 : sample 11**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	12,437	0.00	0.0	

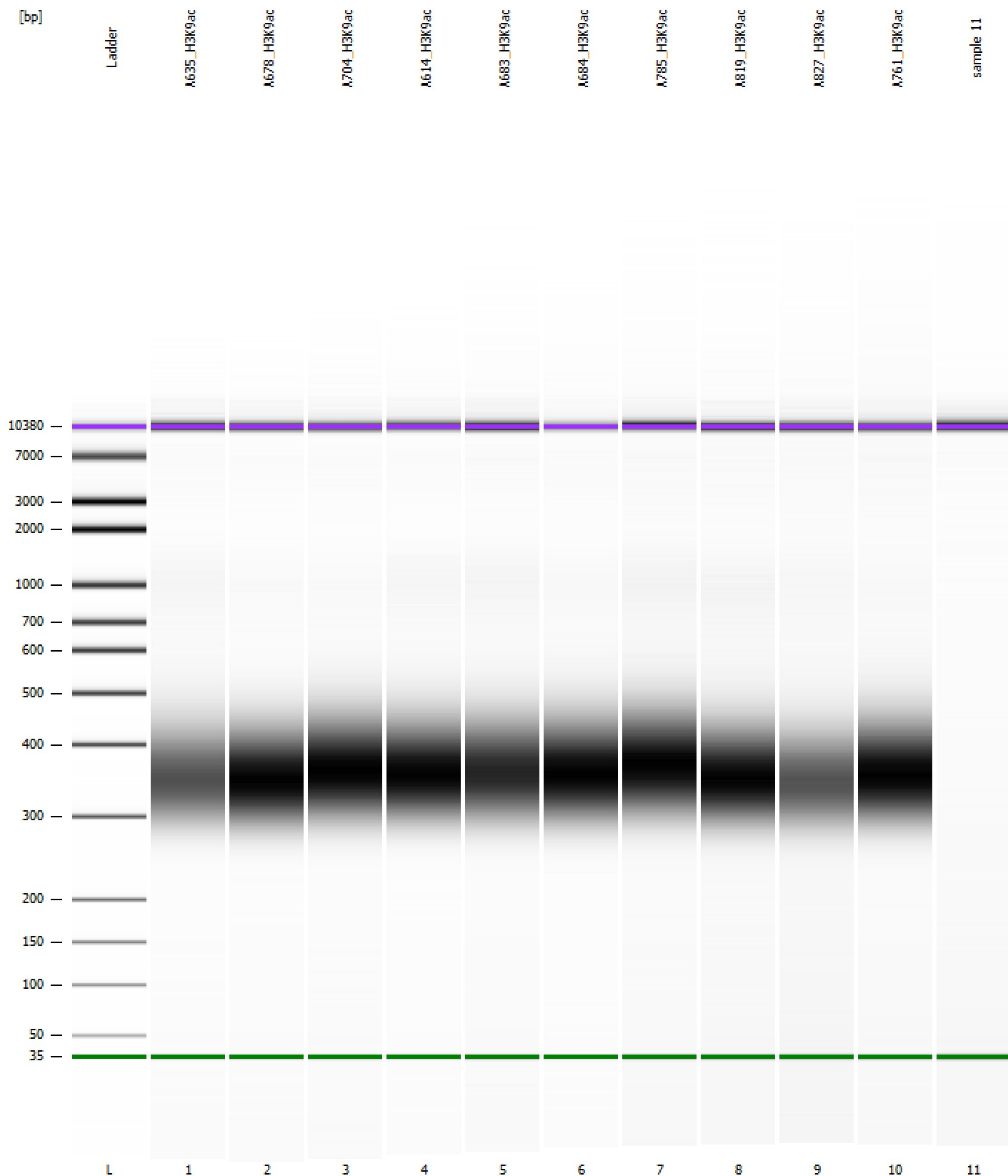
**Region table for sample 11 : sample 11**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1.6	7	349	44.5	1.50	7.6	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
Modified: 11/20/2019 12:05:57 PM

**Gel Image**

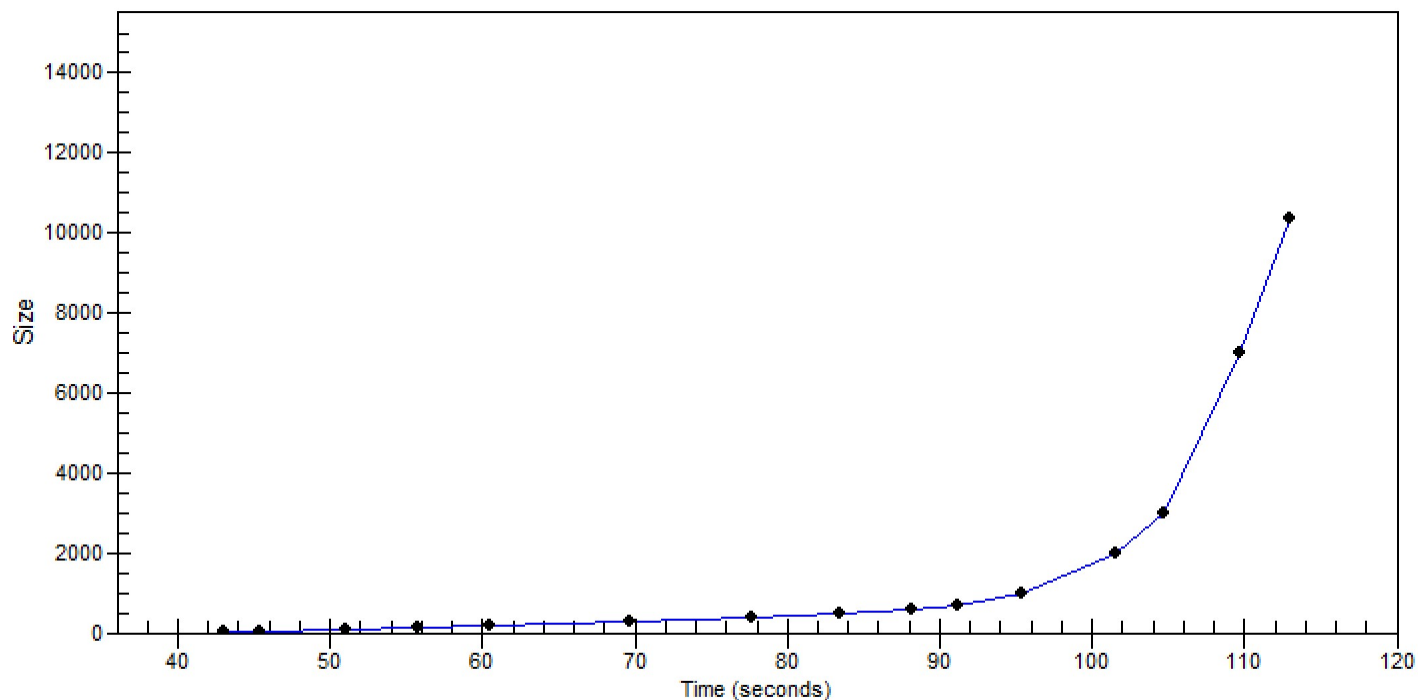


Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
Modified: 11/20/2019 12:05:57 PM

**Curves**

**Standard Curve**





Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2019-11-20\_001.xad

Created: 11/20/2019 11:24:33 AM  
 Modified: 11/20/2019 12:05:57 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		11/20/2019 12:05:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-11-20\Bioanalyze r1_High Sensitivity DNA Assay_2019-11-20_001.xad)		Instrument	Run		11/20/2019 11:24:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/20/2019 11:24:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/20/2019 11:24:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/20/2019 11:24:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/20/2019 11:24:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/20/2019 11:24:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/20/2019 11:24:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB