

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

Created: 11/1/2019 4:20:03 PM  
Modified: 11/1/2019 5:00:30 PM

### Electrophoresis File Run Summary

#### Instrument Information:

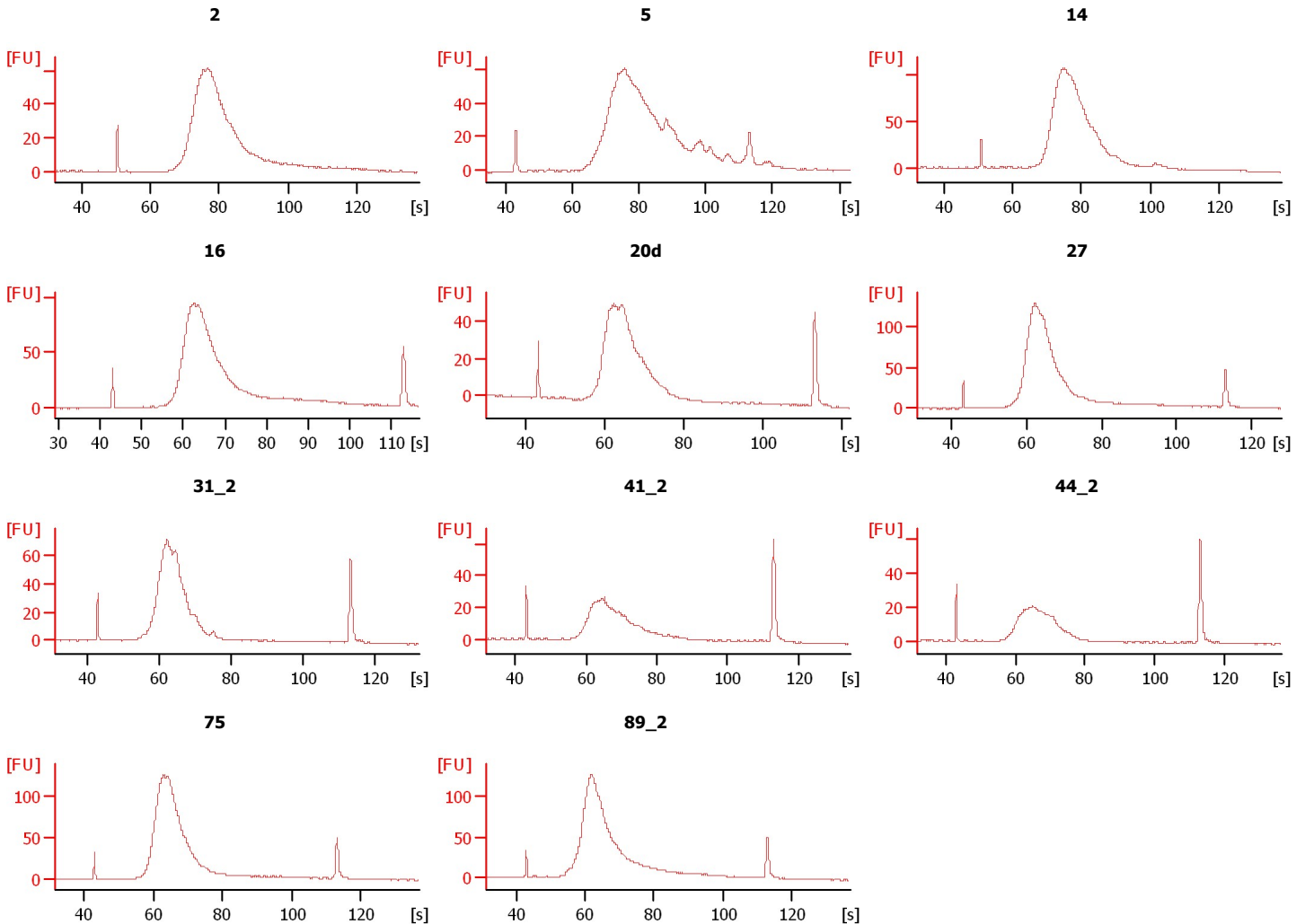
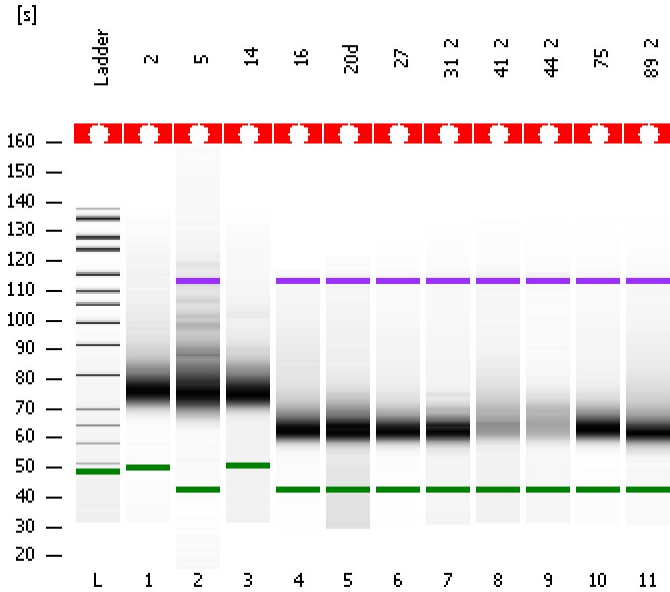
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

#### Assay Information:

Assay Origin Path: C:\Program Files\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:



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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
2		<input type="checkbox"/>	✓			
5		<input type="checkbox"/>	✓			
14		<input type="checkbox"/>	✓			
16		<input type="checkbox"/>	✓			
20d		<input type="checkbox"/>	✓			
27		<input type="checkbox"/>	✓			
31_2		<input type="checkbox"/>	✓			
41_2		<input type="checkbox"/>	✓			
44_2		<input type="checkbox"/>	✓			
75		<input type="checkbox"/>	✓			
89_2		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

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**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

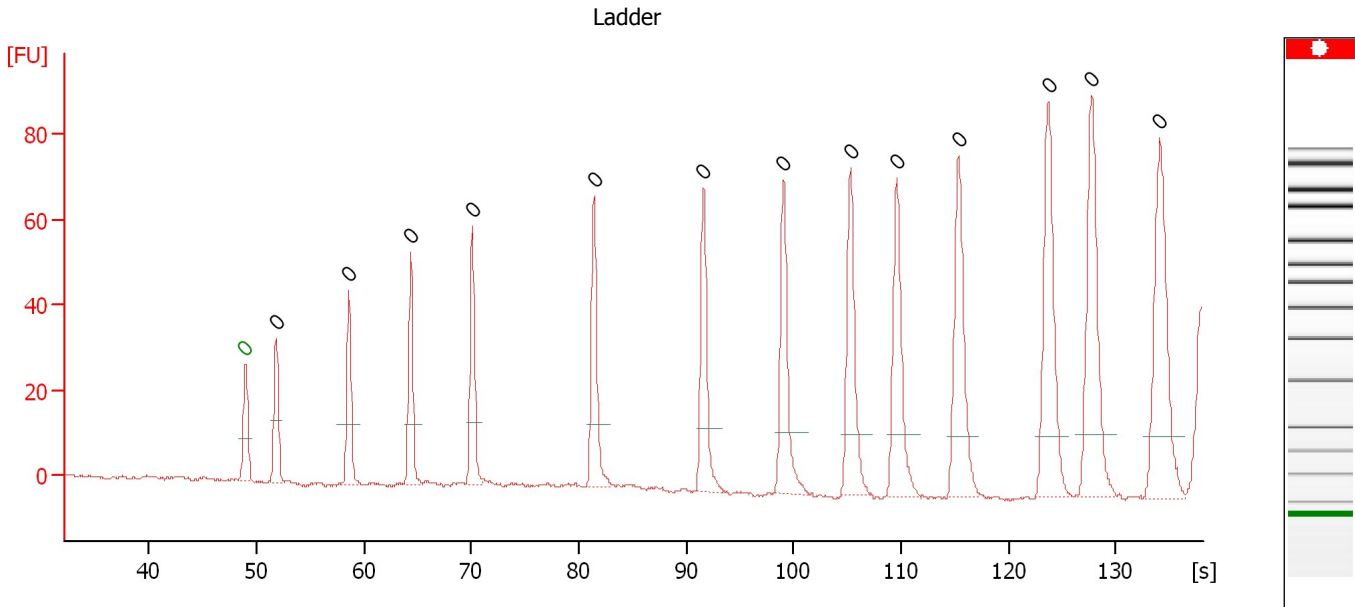
**Ladder**

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

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.4

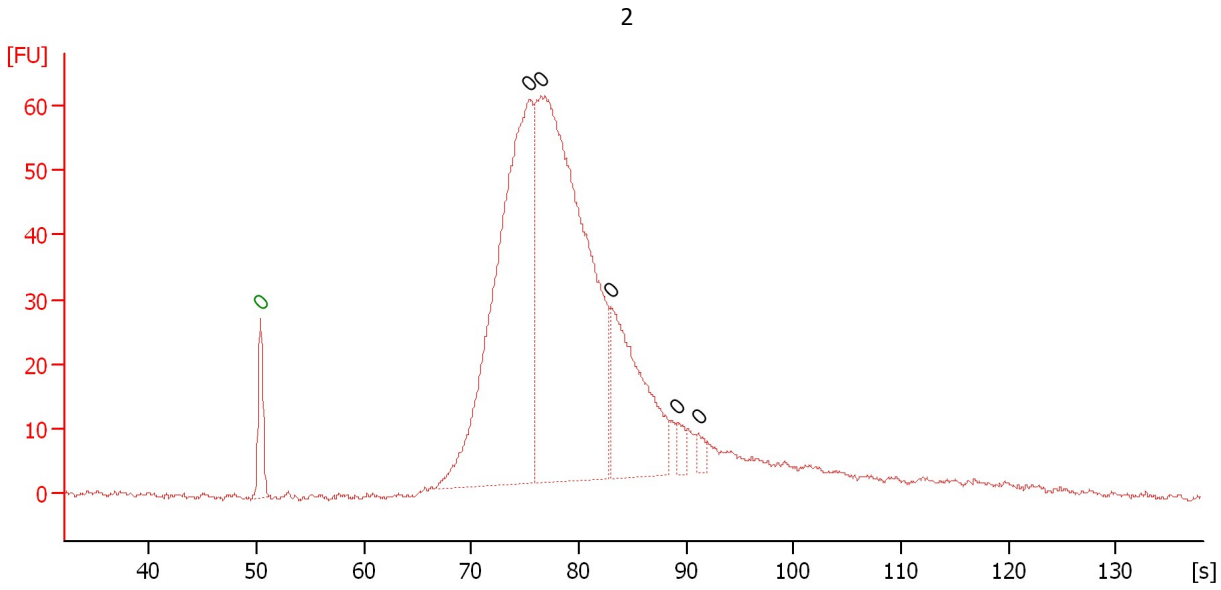
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	48.95
2	0	0.00	0.0	Ladder Peak	51.80
3	0	0.00	0.0	Ladder Peak	58.60
4	0	0.00	0.0	Ladder Peak	64.35
5	0	0.00	0.0	Ladder Peak	70.10
6	0	0.00	0.0	Ladder Peak	81.40
7	0	0.00	0.0	Ladder Peak	91.60
8	0	0.00	0.0	Ladder Peak	99.05
9	0	0.00	0.0	Ladder Peak	105.30
10	0	0.00	0.0	Ladder Peak	109.60
11	0	0.00	0.0	Ladder Peak	115.35
12	0	0.00	0.0	Ladder Peak	123.70
13	0	0.00	0.0	Ladder Peak	127.75
14	0	0.00	0.0	Ladder Peak	134.05

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 2**

Number of peaks found: 5                      Noise: 0.4

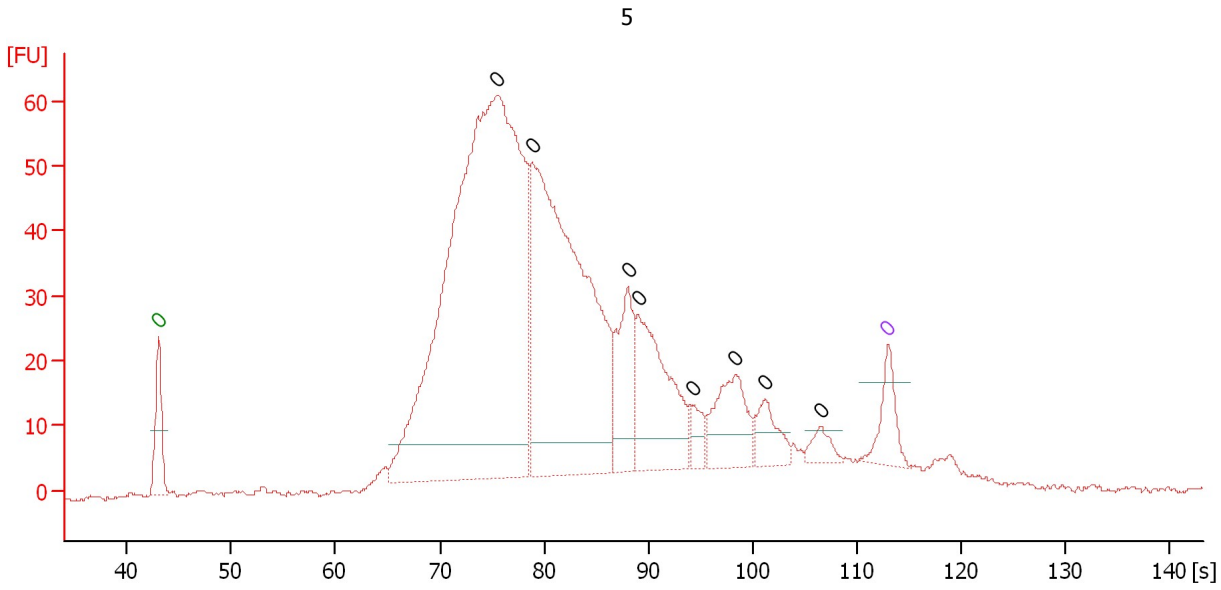
**Peak table for sample 1 : 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	50.40
2	0	0.00	0.0		75.40
3	0	0.00	0.0		76.50
4	0	0.00	0.0		83.00
5	0	0.00	0.0		89.20
6	0	0.00	0.0		91.15

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 5**

Number of peaks found: 8                      Noise: 0.4

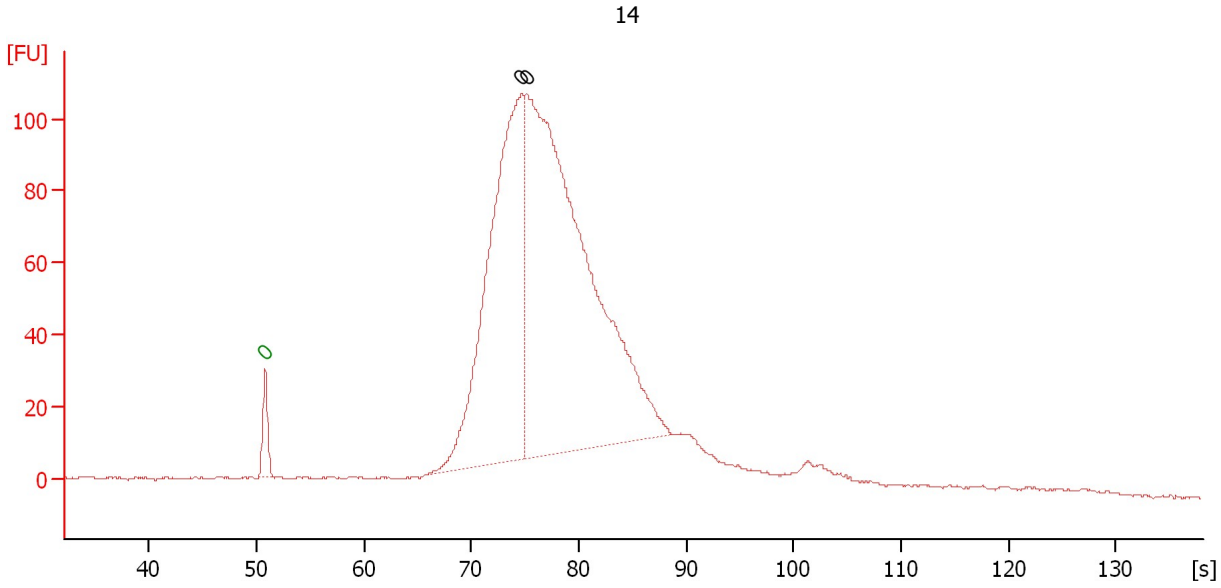
**Peak table for sample 2 : 5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		75.43
3	0	0.00	0.0		78.88
4	0	0.00	0.0		88.07
5	0	0.00	0.0		89.01
6	0	0.00	0.0		94.22
7	0	0.00	0.0		98.34
8	0	0.00	0.0		101.24
9	0	0.00	0.0		106.58
10	0	0.00	0.0	Upper Marker	113.00

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 14**

Number of peaks found: 2                      Noise: 0.4

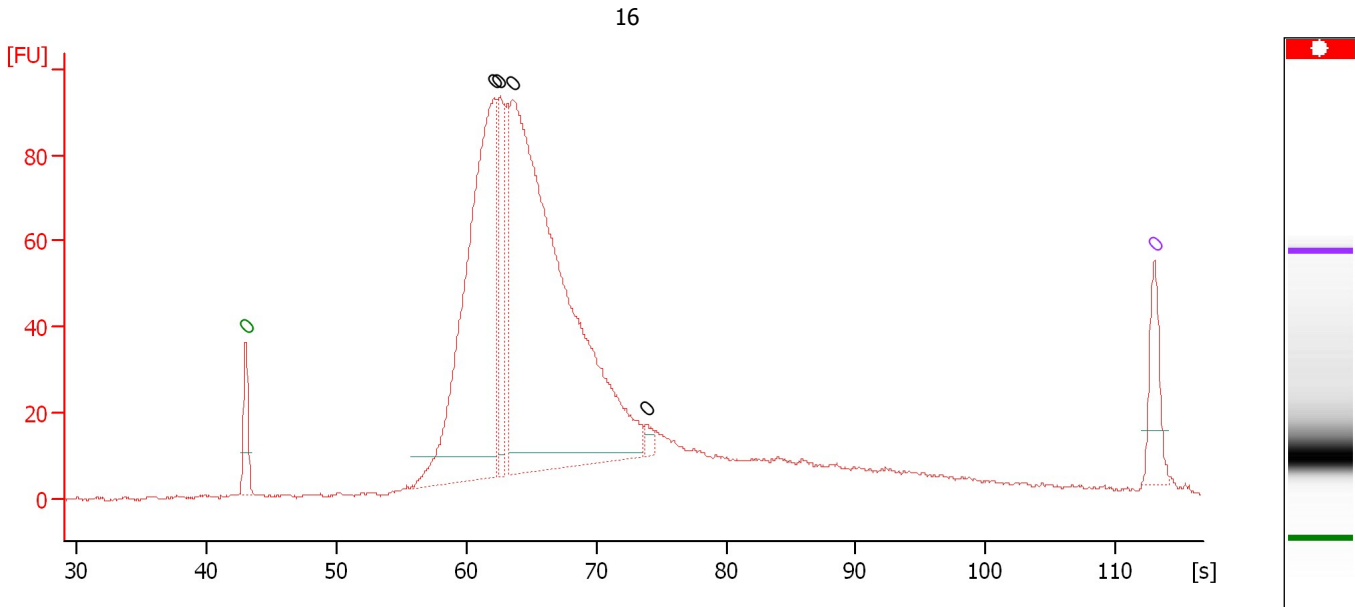
**Peak table for sample 3 : 14**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	50.80
2	0	0.00	0.0		74.65
3	0	0.00	0.0		75.15

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 16**

Number of peaks found: 4                      Noise: 0.4

**Peak table for sample 4 : 16**

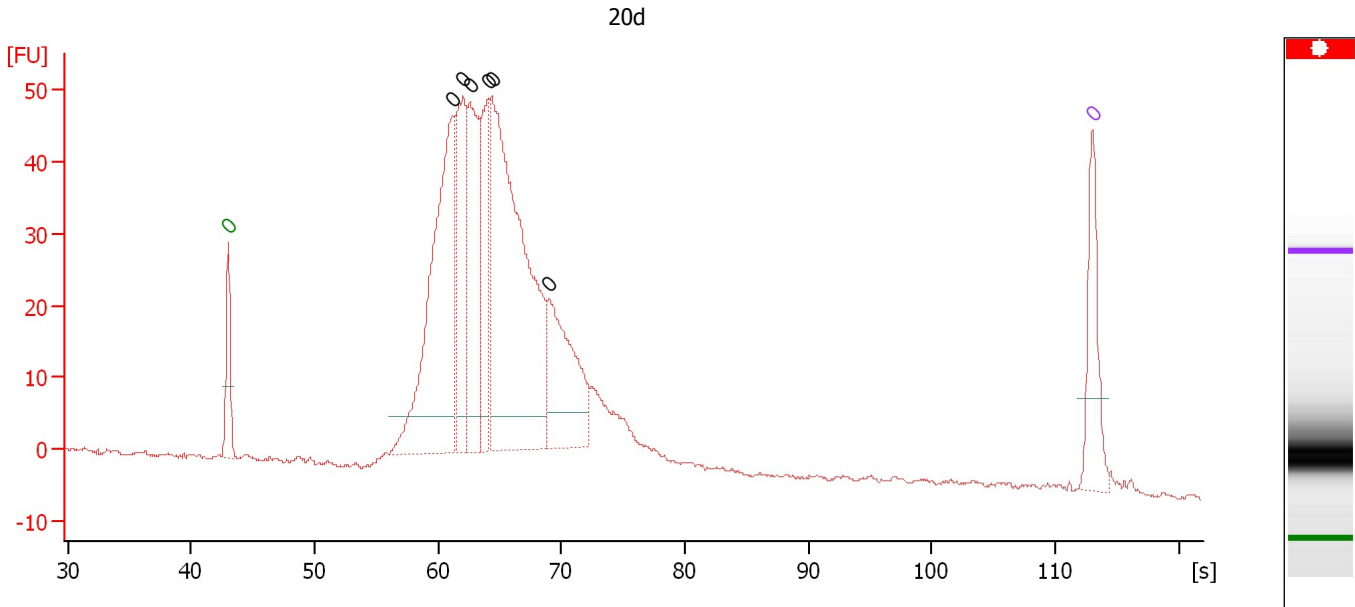
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		62.20
3	0	0.00	0.0		62.53
4	0	0.00	0.0		63.52
5	0	0.00	0.0		73.86
6	0	0.00	0.0	Upper Marker	113.00



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 20d**

Number of peaks found: 6                      Noise: 0.3

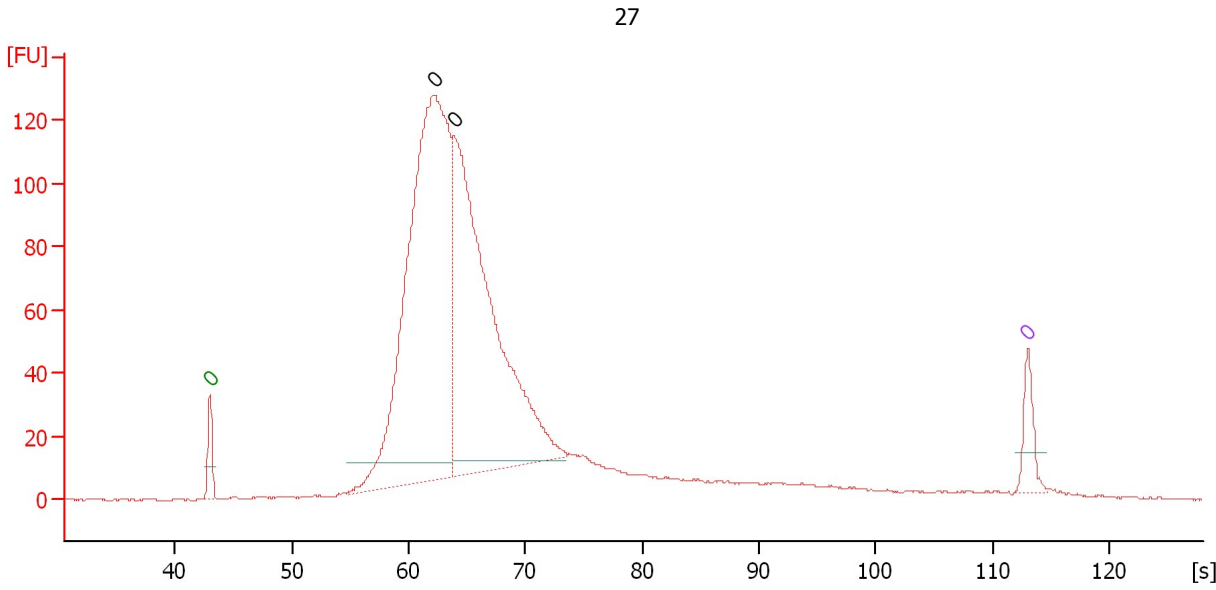
**Peak table for sample 5 : 20d**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		61.19
3	0	0.00	0.0		62.01
4	0	0.00	0.0		62.58
5	0	0.00	0.0		64.10
6	0	0.00	0.0		64.36
7	0	0.00	0.0		68.97
8	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 27**

Number of peaks found: 2                      Noise: 0.3

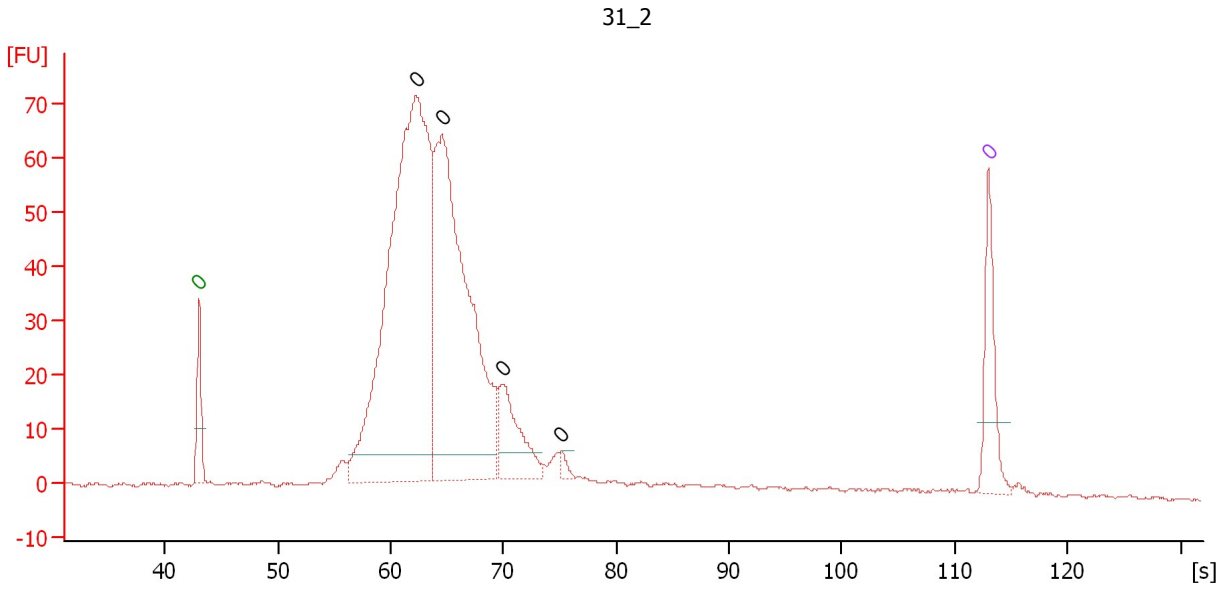
**Peak table for sample 6 : 27**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		62.17
3	0	0.00	0.0		63.87
4	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 31\_2**

Number of peaks found: 4                      Noise: 0.3

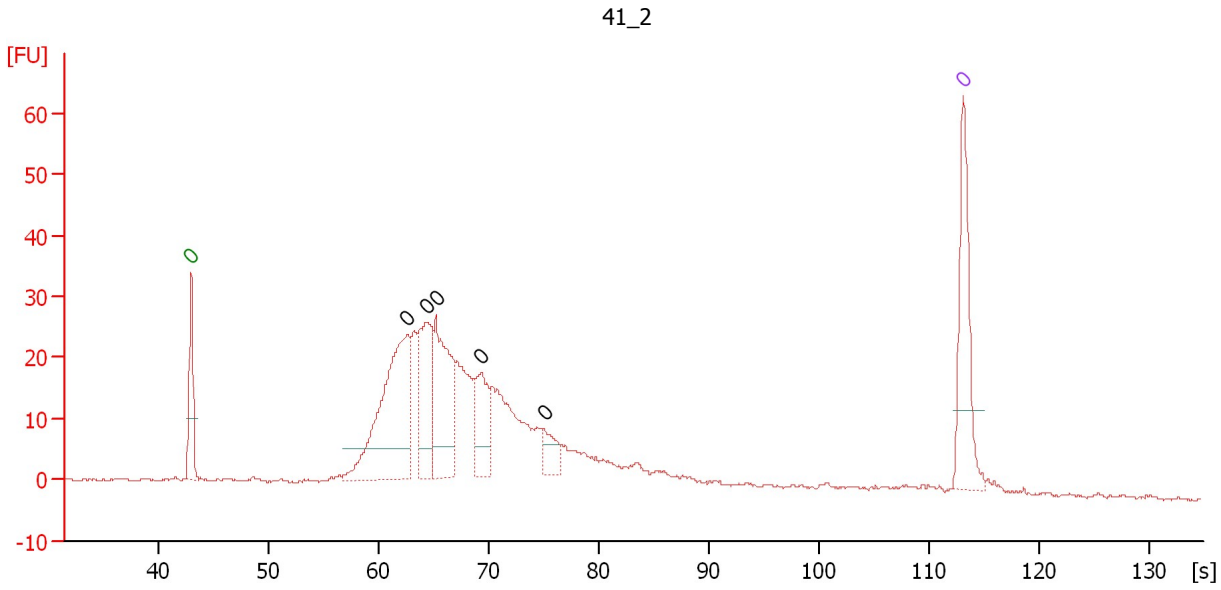
**Peak table for sample 7 : 31\_2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		62.24
3	0	0.00	0.0		64.57
4	0	0.00	0.0		69.86
5	0	0.00	0.0		75.14
6	0	0.00	0.0	Upper Marker	113.00

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Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 41\_2**

Number of peaks found: 5                      Noise: 0.3

**Peak table for sample 8 : 41\_2**

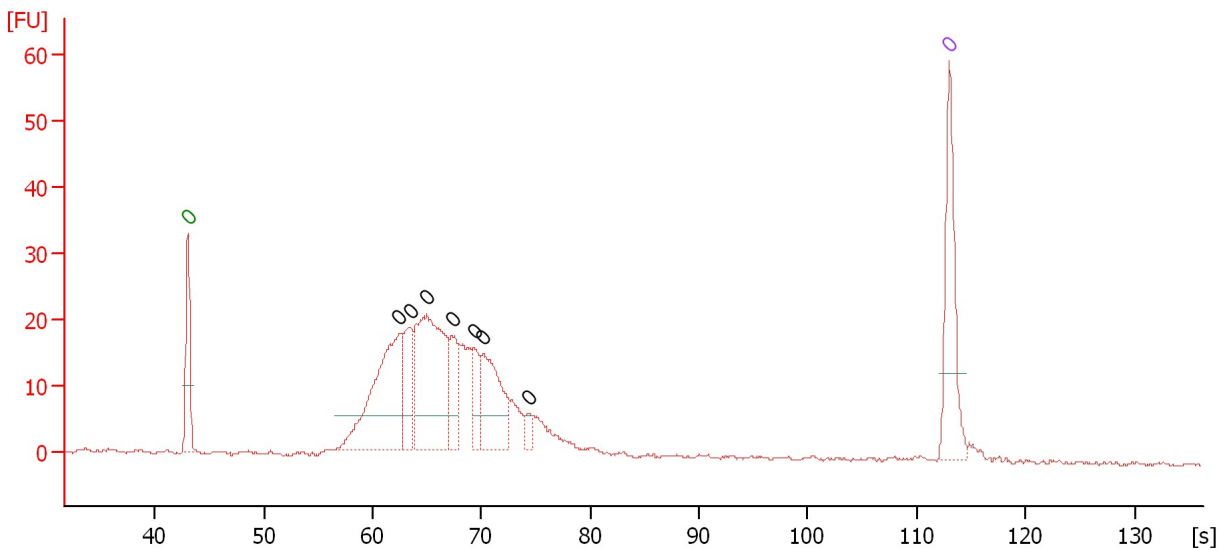
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		62.63
3	0	0.00	0.0		64.38
4	0	0.00	0.0		65.21
5	0	0.00	0.0		69.35
6	0	0.00	0.0		75.05
7	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Electropherogram Summary Continued ...**

44\_2



**Overall Results for sample 9 : 44\_2**

Number of peaks found: 7                      Noise: 0.3

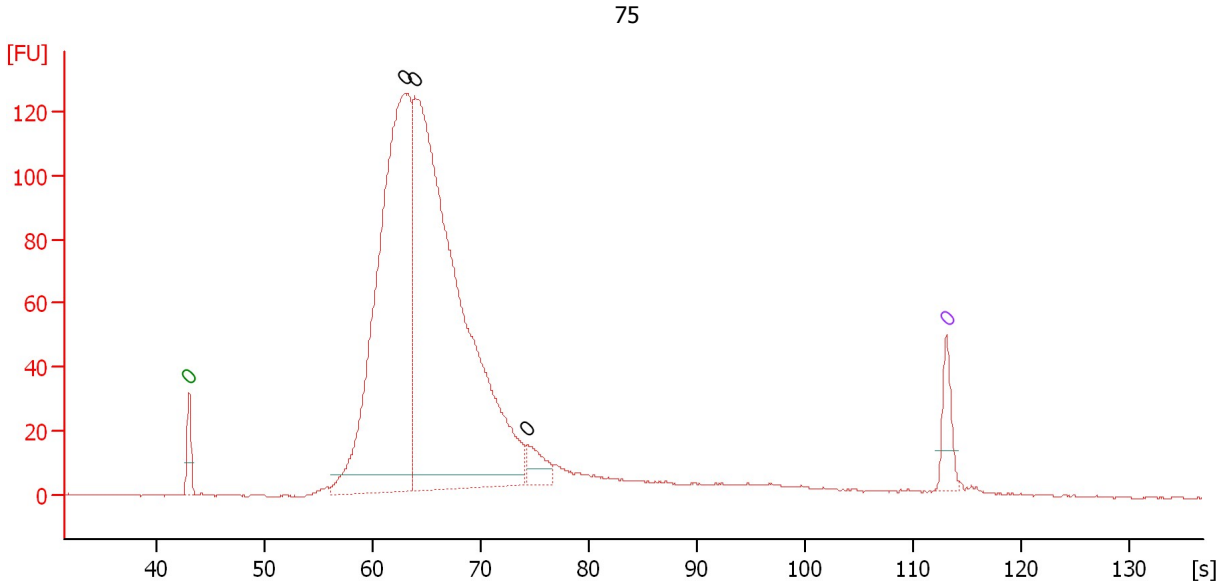
**Peak table for sample 9 : 44\_2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		62.45
3	0	0.00	0.0		63.39
4	0	0.00	0.0		64.97
5	0	0.00	0.0		67.29
6	0	0.00	0.0		69.36
7	0	0.00	0.0		70.15
8	0	0.00	0.0		74.30
9	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 75**

Number of peaks found: 3                      Noise: 0.3

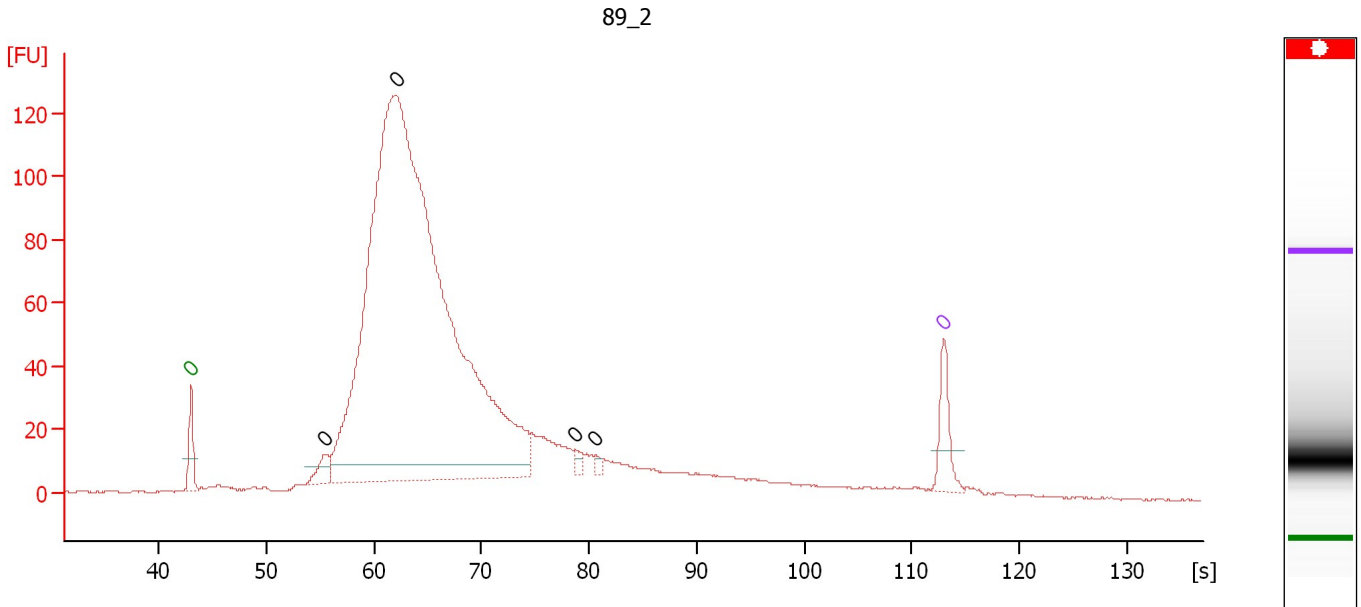
**Peak table for sample 10 : 75**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		62.91
3	0	0.00	0.0		63.90
4	0	0.00	0.0		74.28
5	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 89\_2**

Number of peaks found: 4                      Noise: 0.2

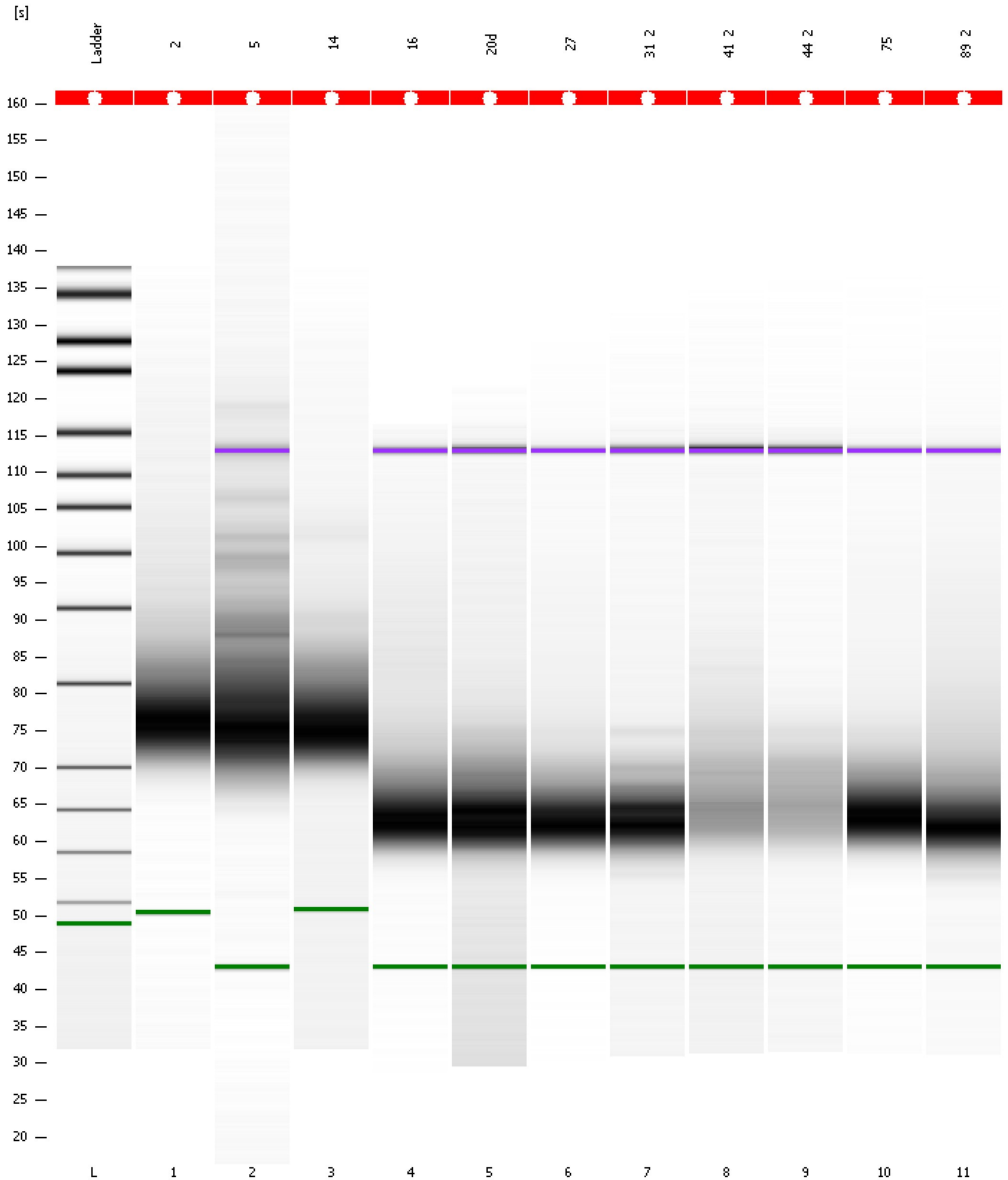
**Peak table for sample 11 : 89\_2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		55.38
3	0	0.00	0.0		62.12
4	0	0.00	0.0		78.70
5	0	0.00	0.0		80.60
6	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-01\2019-11-01\_003.xad

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**Gel Image**





Assay Class: High Sensitivity DNA Assay  
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Created: 11/1/2019 4:20:03 PM  
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**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		11/1/2019 5:00:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-11-01\2019-11-01_003.xad)		Instrument	Run		11/1/2019 4:20:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		11/1/2019 4:20:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/1/2019 4:20:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/1/2019 4:20:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		11/1/2019 4:20:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/1/2019 4:20:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/1/2019 4:20:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1