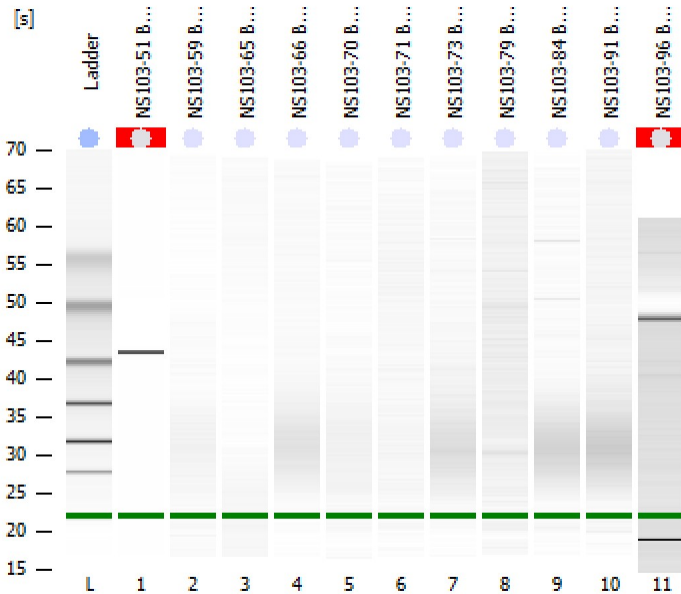


Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

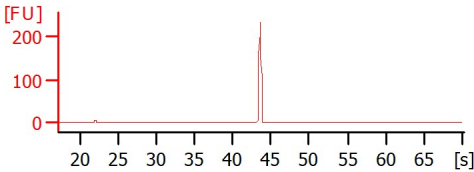
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy  
 Assay Class: Eukaryote Total RNA Pico  
 Version: 2.6  
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

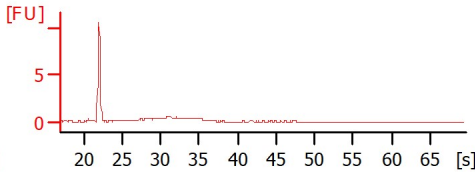
Chip Information:

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

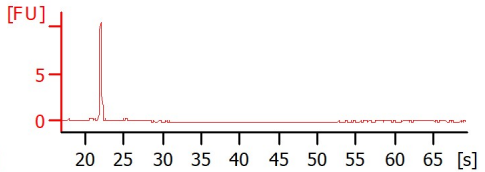
**NS103-51 BC DNA**  
 RIN N/A



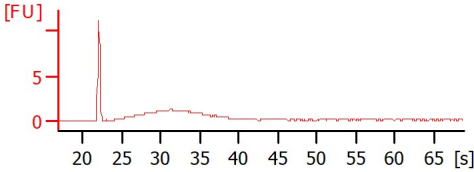
**NS103-59 BC DNA**  
 RIN:1



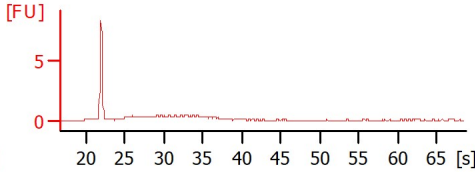
**NS103-65 BC DNA**  
 RIN: 1.10



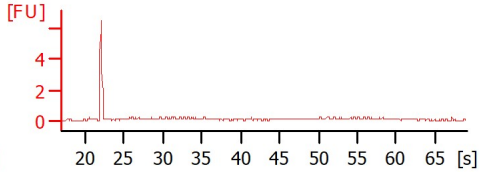
**NS103-66 BC DNA**  
 RIN: 1.20



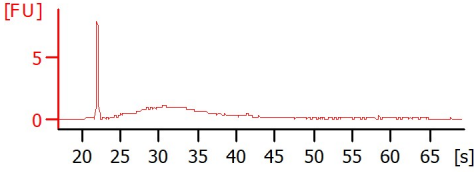
**NS103-70 BC DNA**  
 RIN:1



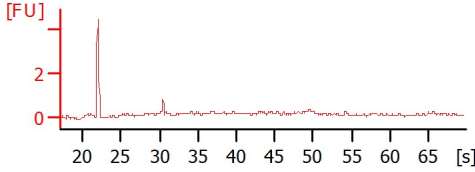
**NS103-71 BC DNA**  
 RIN:1



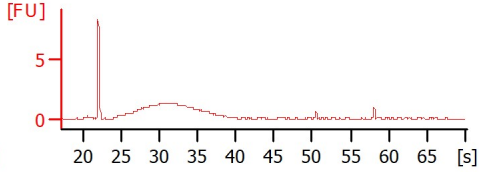
**NS103-73 BC DNA**  
 RIN: 1.40



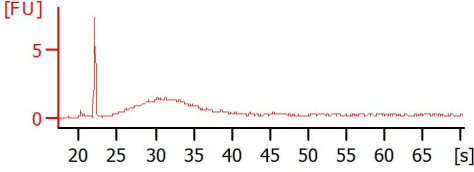
**NS103-79 BC DNA**  
 RIN: 1.90



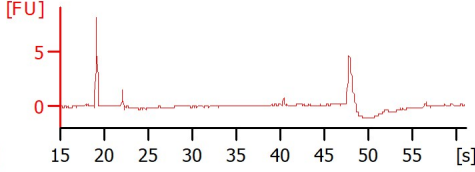
**NS103-84 BC DNA**  
 RIN: 1.70



**NS103-91 BC DNA**  
 RIN: 1.90



**NS103-96 BC DNA**  
 RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
NS103-51 BC DNA		✓	RIN N/A	
NS103-59 BC DNA		✓	RIN:1	
NS103-65 BC DNA		✓	RIN: 1.10	
NS103-66 BC DNA		✓	RIN: 1.20	
NS103-70 BC DNA		✓	RIN:1	
NS103-71 BC DNA		✓	RIN:1	
NS103-73 BC DNA		✓	RIN: 1.40	
NS103-79 BC DNA		✓	RIN: 1.90	
NS103-84 BC DNA		✓	RIN: 1.70	
NS103-91 BC DNA		✓	RIN: 1.90	
NS103-96 BC DNA		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
 Minimum Visible Range [s] : 17  
 Maximum Visible Range [s] : 70  
 Start Analysis Time Range [s] : 18  
 End Analysis Time Range [s] : 69  
 Ladder Concentration [pg/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 0  
 Used Lower Marker for Quantitation  
 Standard Curve Fit is Logarithmic  
 Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 18  
 Integration End Time [s] : 69  
 Slope Threshold : 0.6  
 Height Threshold [FU] : 0.5  
 Area Threshold : 0.2  
 Width Threshold [s] : 0.3  
 Baseline Plateau [s] : 6

**Filter Settings**

Filter Width [s] : 0.5  
 Polynomial Order : 4

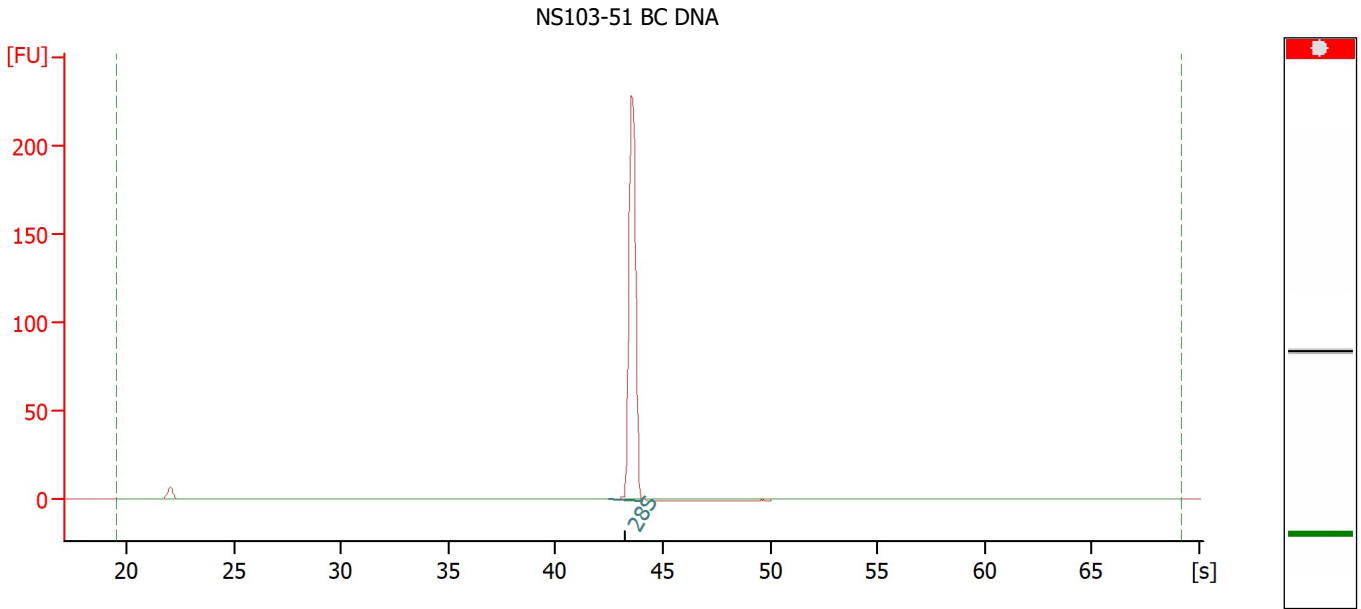
**Ladder**

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary**



**Overall Results for sample 1 : NS103-51 BC DNA**

RNA Area:	194.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1,275 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

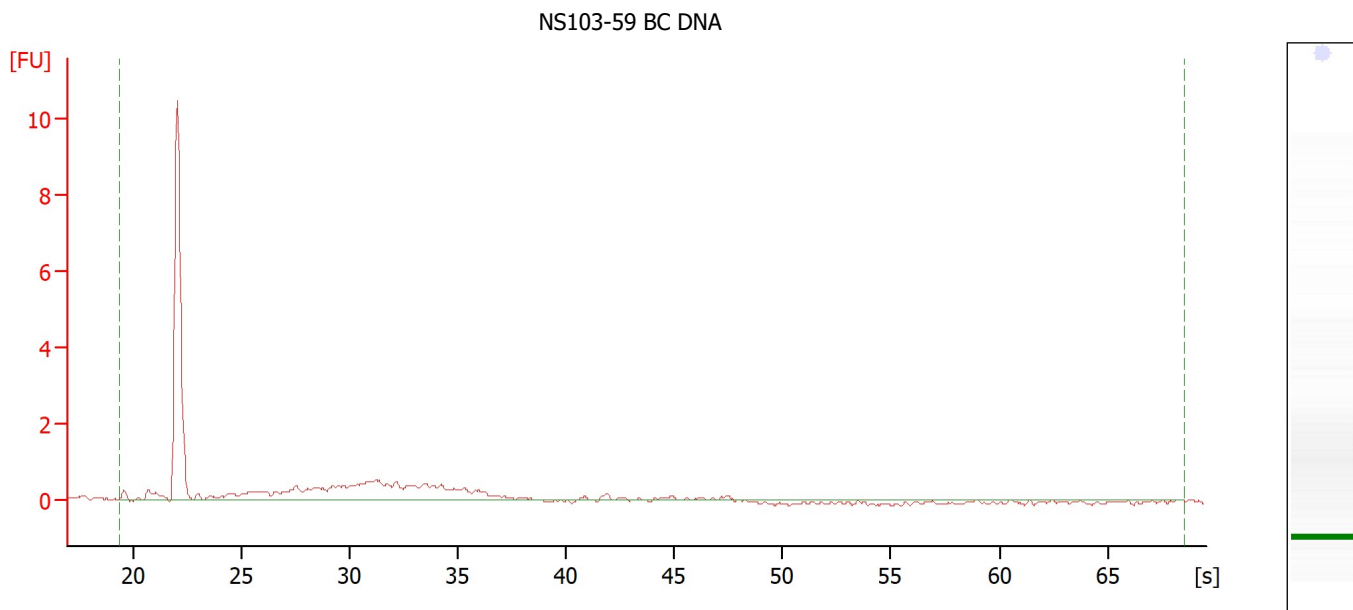
**Fragment table for sample 1 : NS103-51 BC DNA**

Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	42.45	44.00	182.0	93.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : NS103-59 BC DNA**

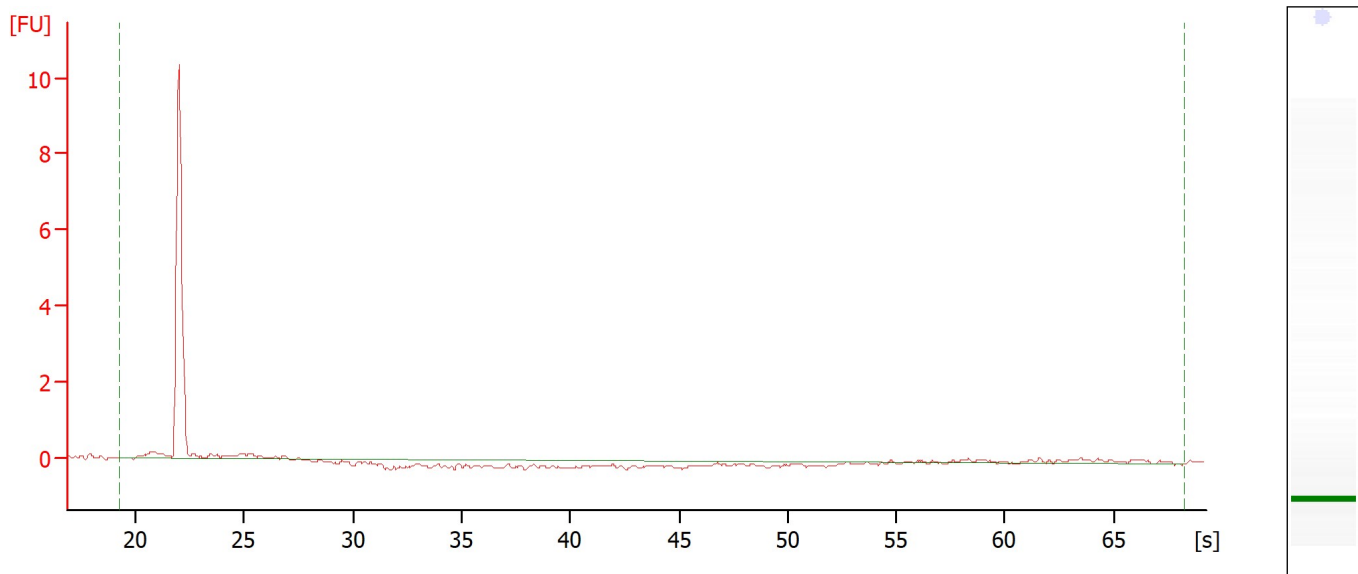
RNA Area:	14.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	98 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**

NS103-65 BC DNA



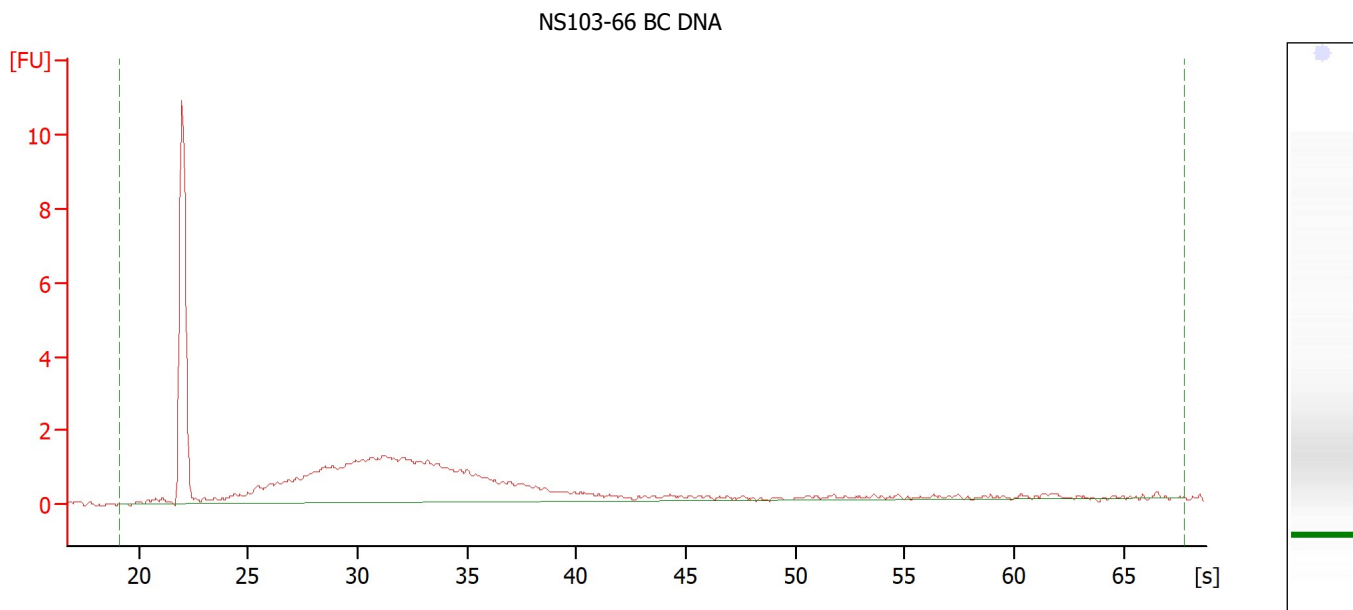
**Overall Results for sample 3 : NS103-65 BC DNA**

RNA Area:	3.3	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	22 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**



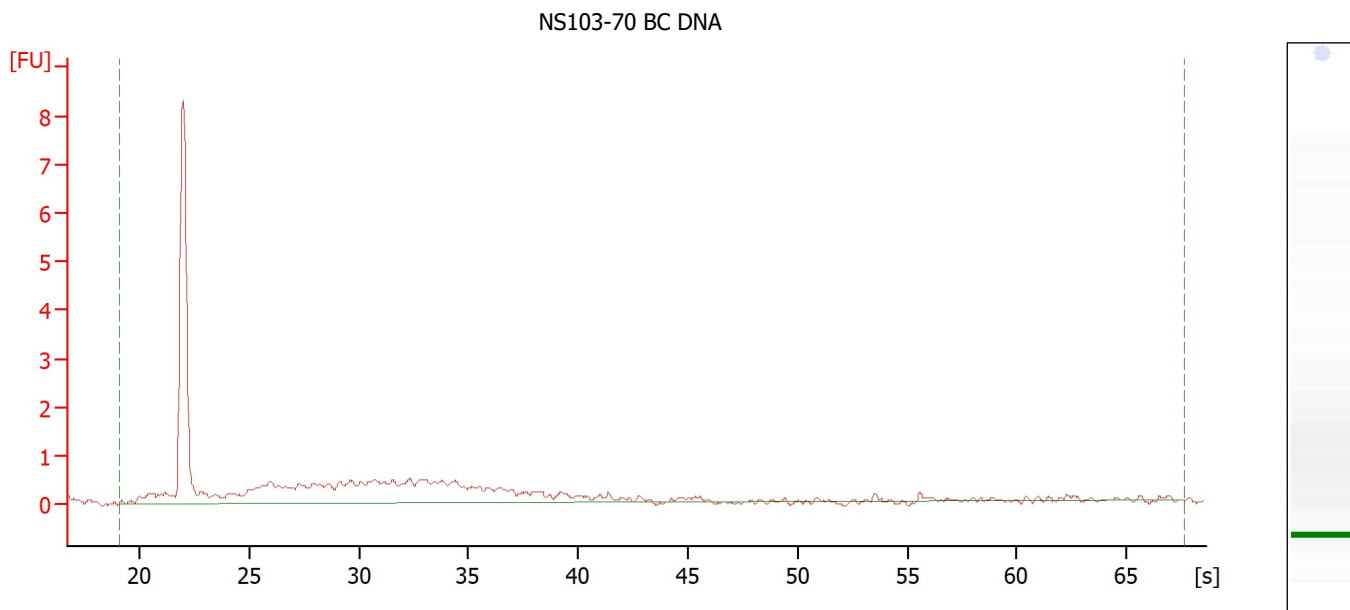
**Overall Results for sample 4 : NS103-66 BC DNA**

RNA Area:	41.6	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	273 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : NS103-70 BC DNA**

RNA Area:	21.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	142 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

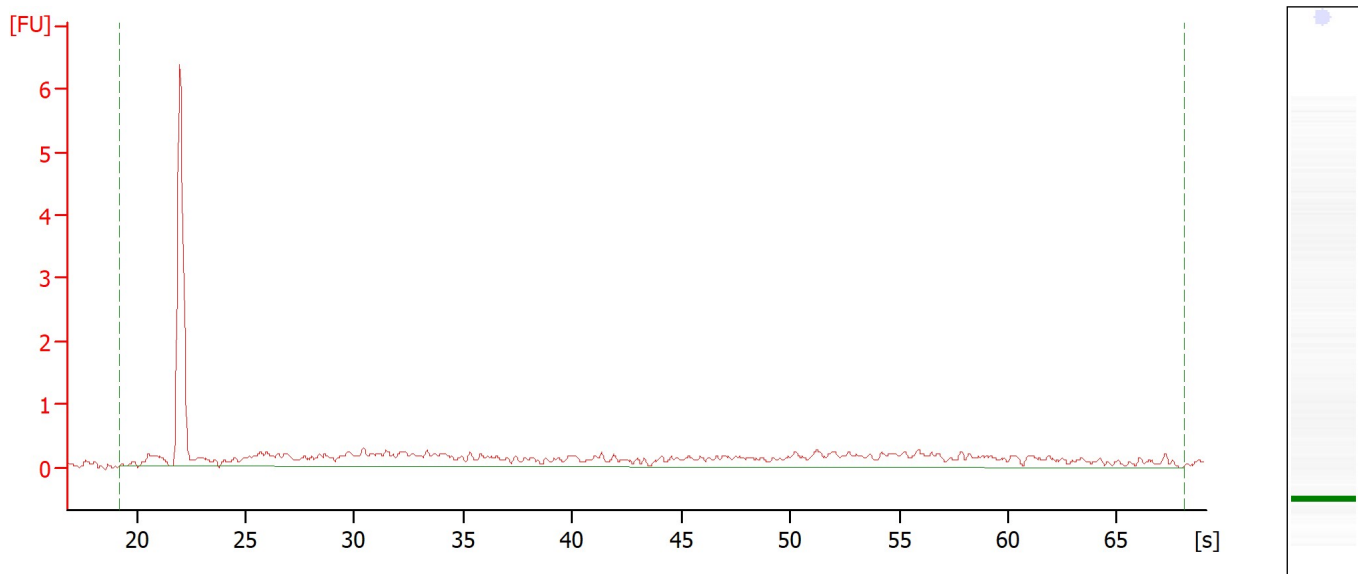


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**

NS103-71 BC DNA



**Overall Results for sample 6 : NS103-71 BC DNA**

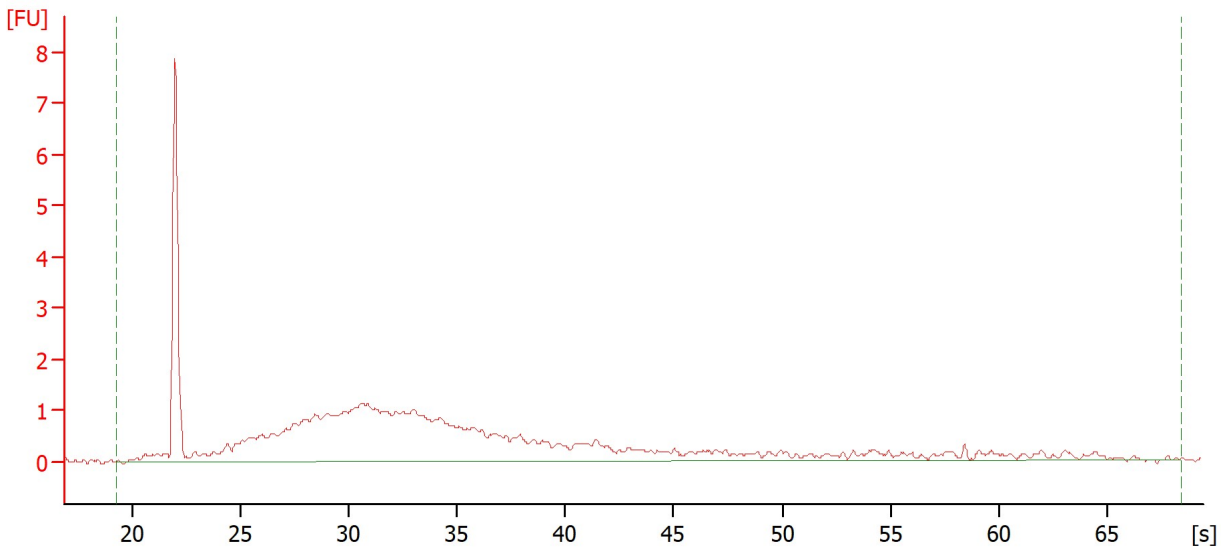
RNA Area:	17.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	114 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**

NS103-73 BC DNA



**Overall Results for sample 7 : NS103-73 BC DNA**

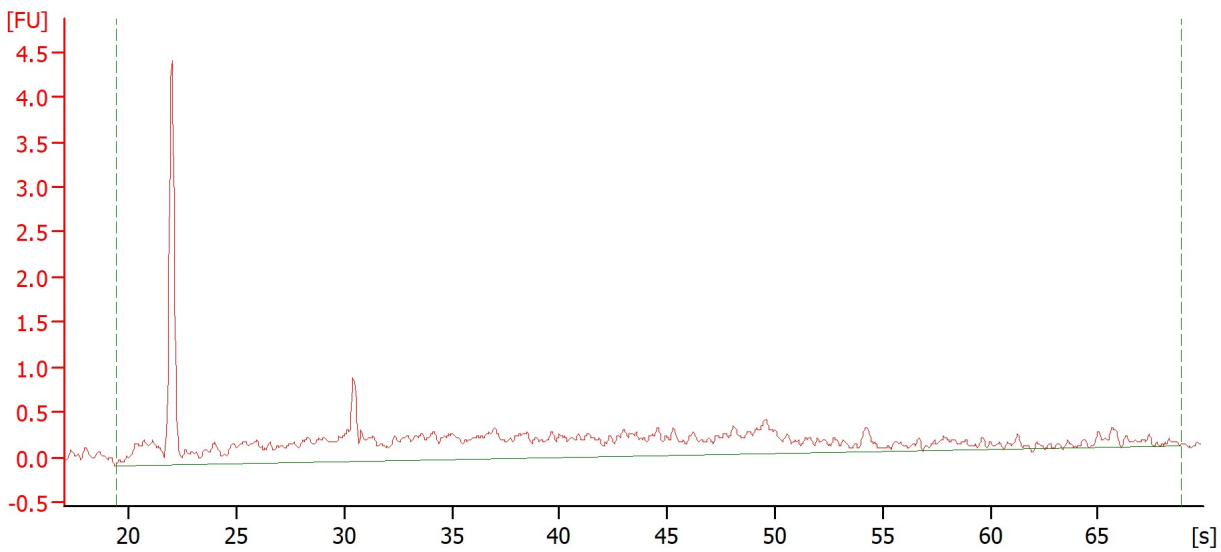
RNA Area:	42.4	RNA Integrity Number (RIN):	1.4 (B.02.10)
RNA Concentration:	278 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**

NS103-79 BC DNA



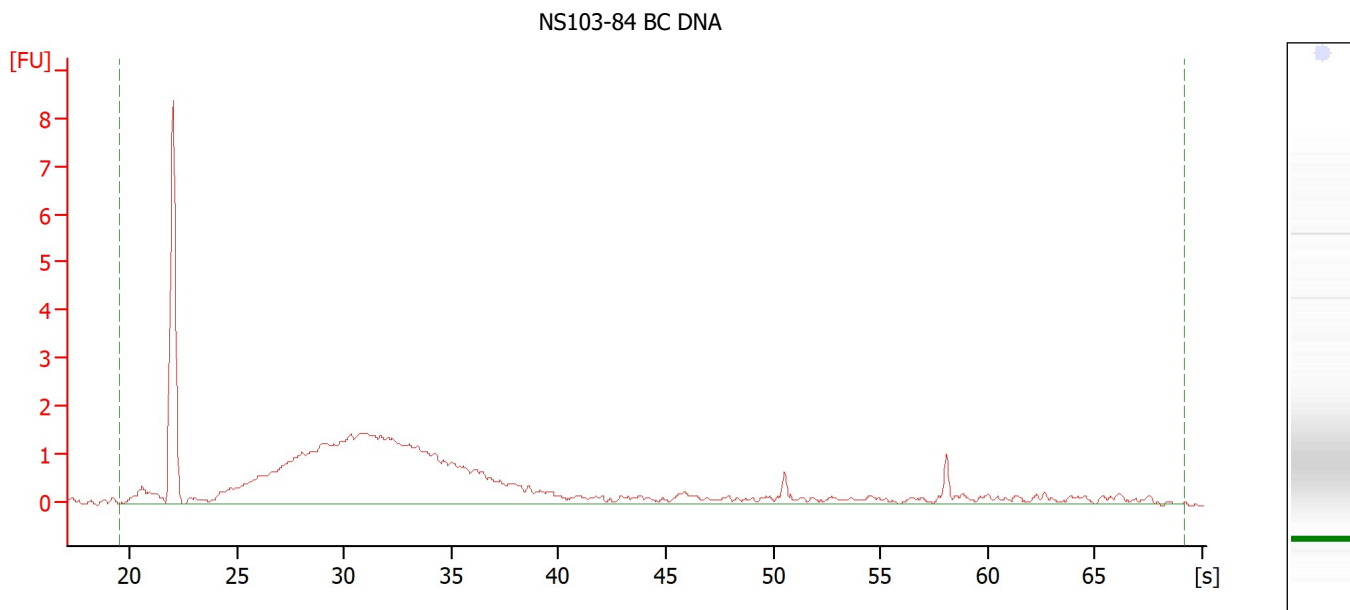
**Overall Results for sample 8 : NS103-79 BC DNA**

RNA Area:	21.4	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	141 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : NS103-84 BC DNA**

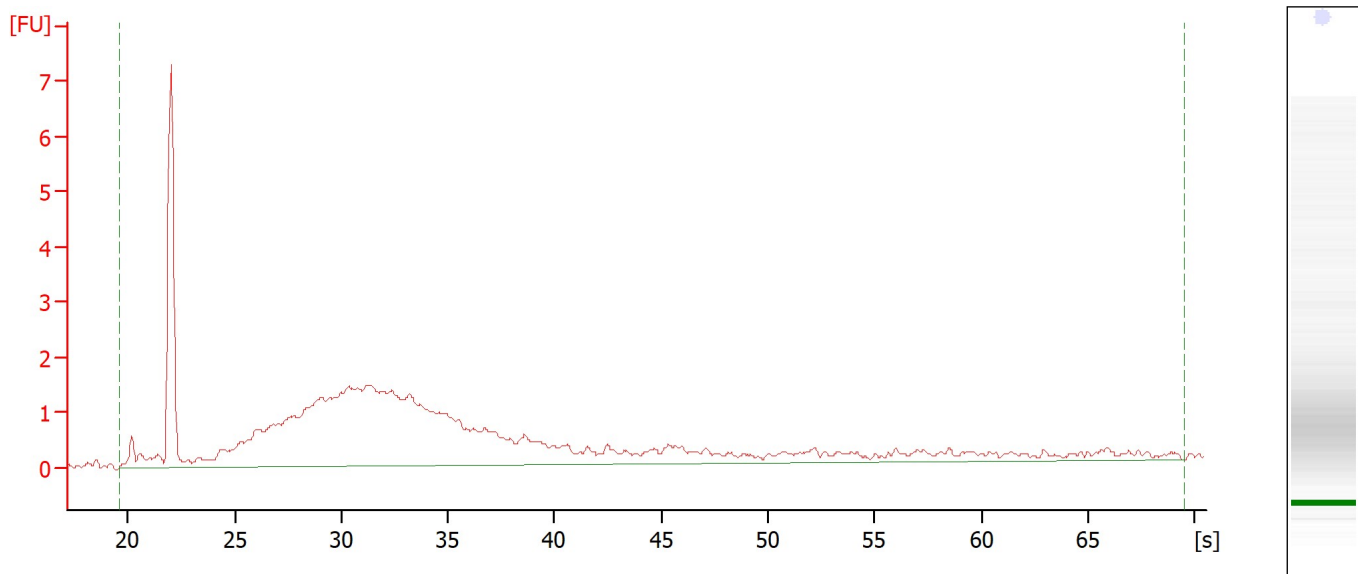
RNA Area:	48.9	RNA Integrity Number (RIN):	1.7 (B.02.10)
RNA Concentration:	321 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.70

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**

NS103-91 BC DNA



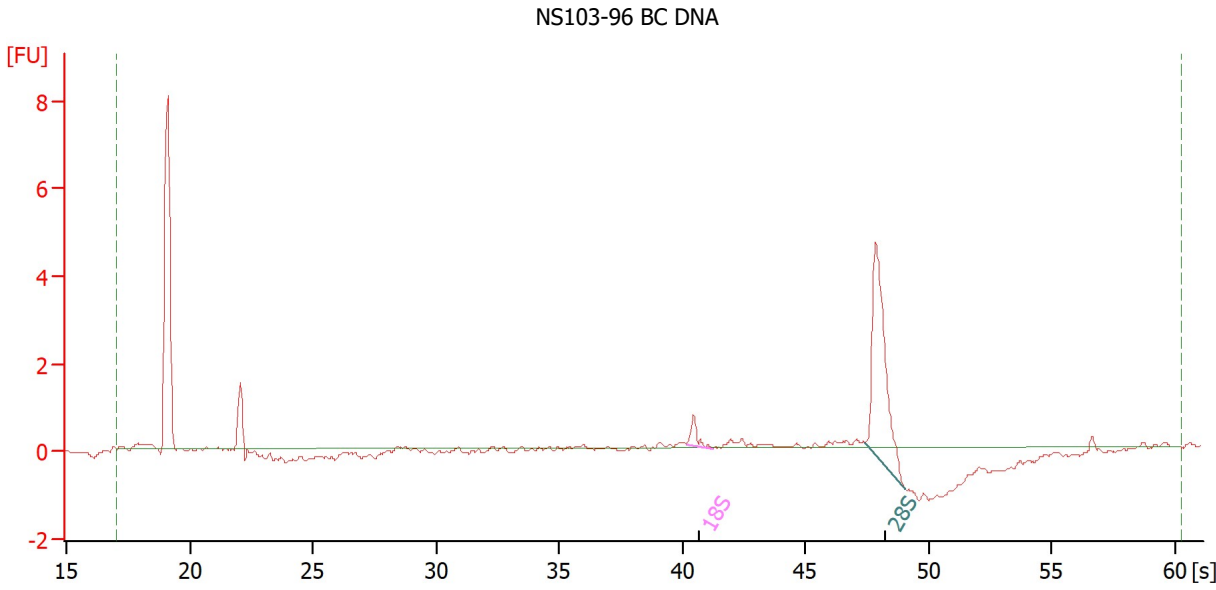
**Overall Results for sample 10 : NS103-91 BC DNA**

RNA Area:	54.5	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	357 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
 Modified: 1/17/2020 9:51:11 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : NS103-96 BC DNA**

RNA Area:	17.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	116 µg/µl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	12.6	Result Flagging Label:	RIN N/A

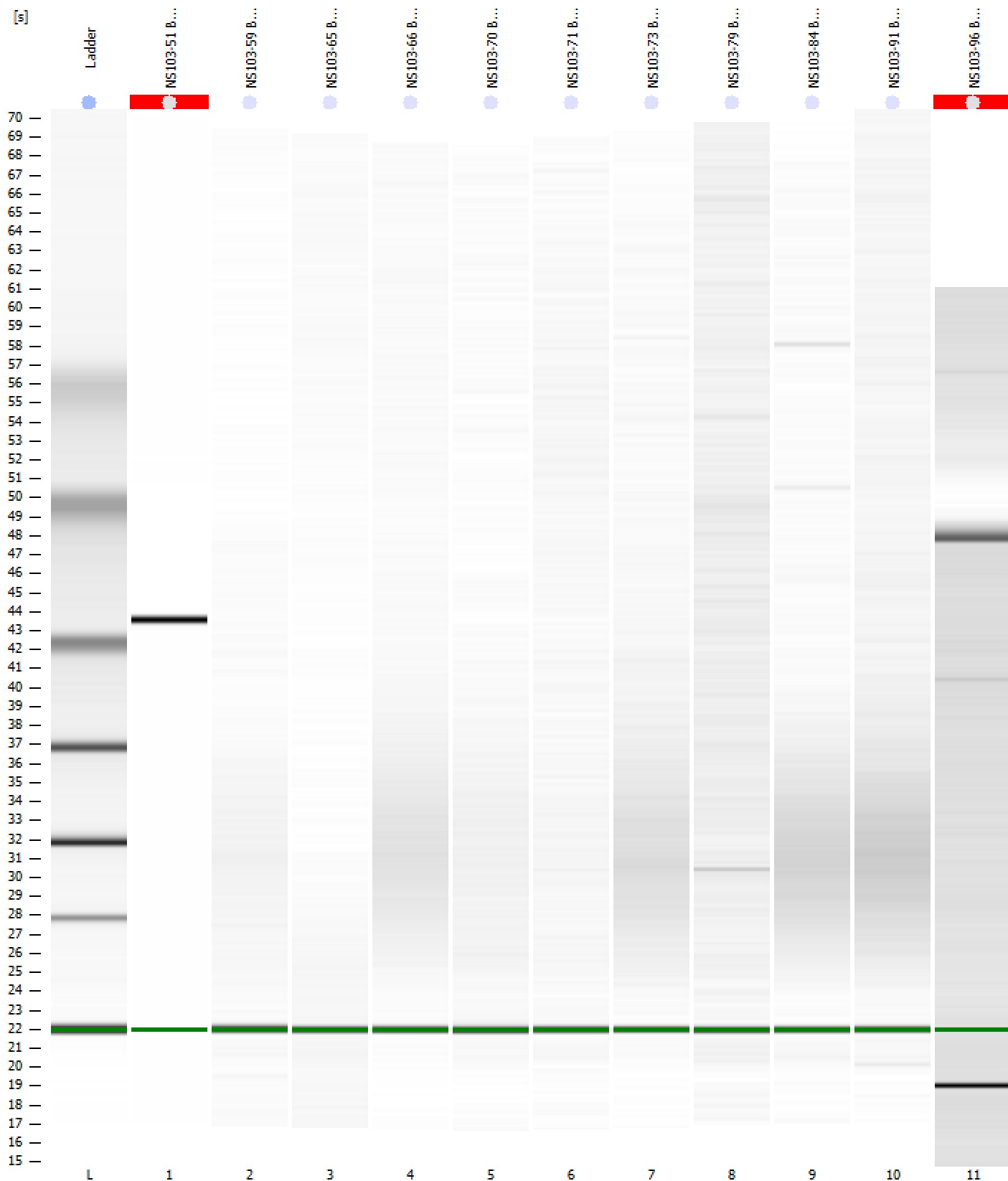
**Fragment table for sample 11 : NS103-96 BC DNA**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.16	41.21	0.5	2.8
28S	47.45	49.06	6.2	35.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
Modified: 1/17/2020 9:51:11 AM

Gel Image

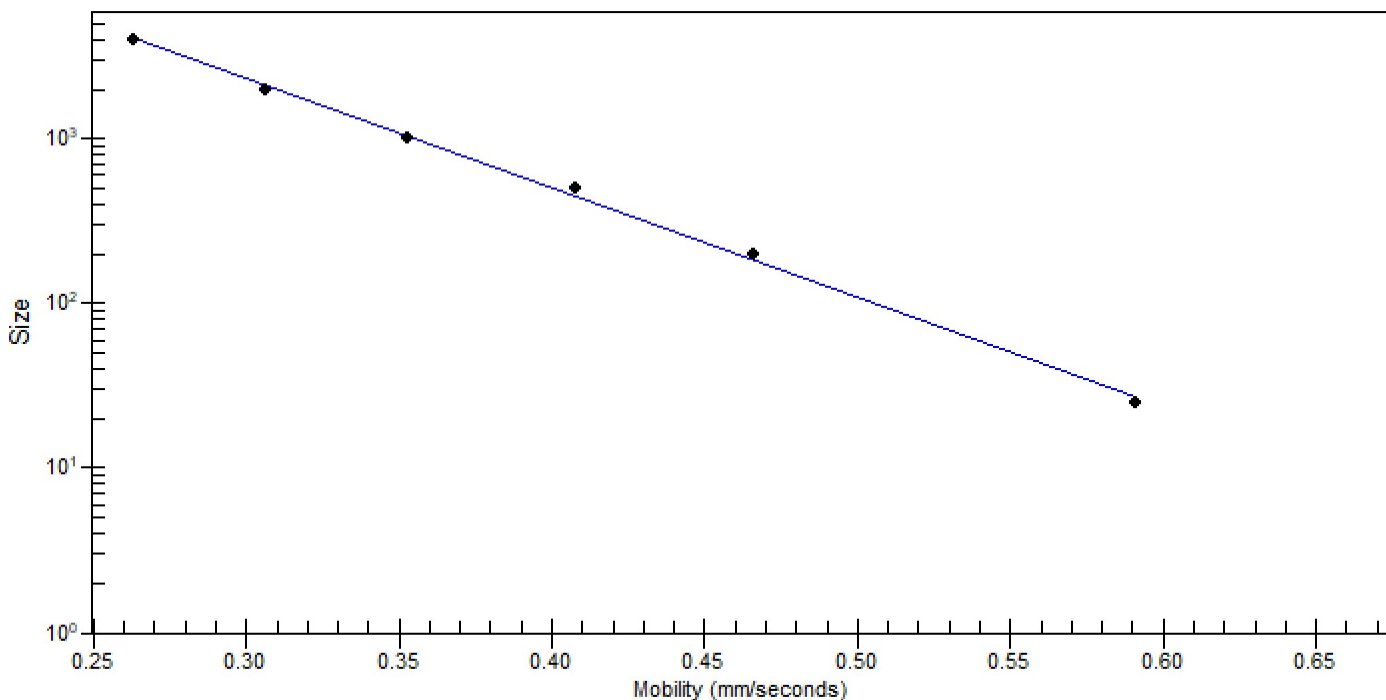


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad

Created: 1/17/2020 9:28:15 AM  
Modified: 1/17/2020 9:51:11 AM

**Curves**

**Standard Curve**





Assay Class: Eukaryote Total RNA Pico Created: 1/17/2020 9:28:15 AM  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-17\_001.xad Modified: 1/17/2020 9:51:11 AM

**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		1/17/2020 9:51:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-17\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-17_001.xad)		Instrument	Run		1/17/2020 9:28:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/17/2020 9:28:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/17/2020 9:28:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/17/2020 9:28:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/17/2020 9:28:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/17/2020 9:28:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/17/2020 9:28:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB