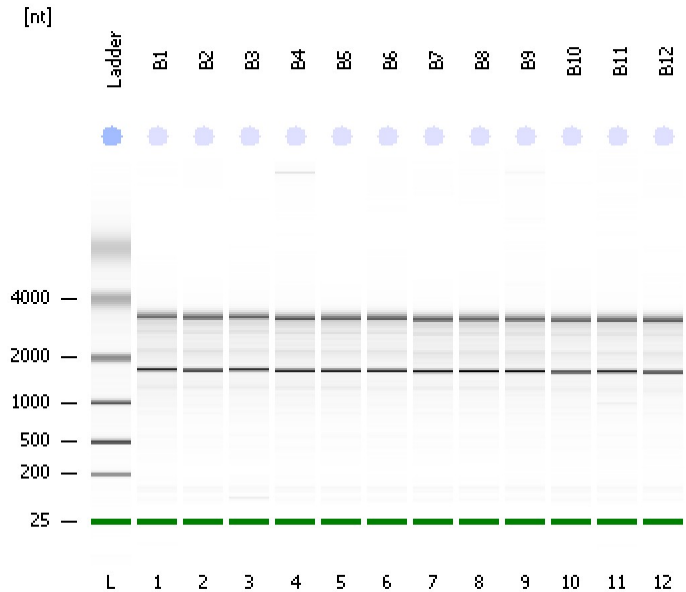


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 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\RNA\Eukaryote Total RNA Nano Series II.xsy

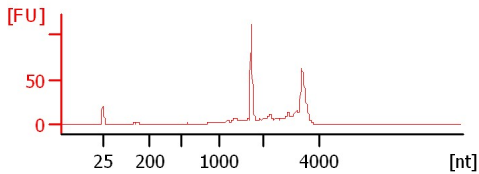
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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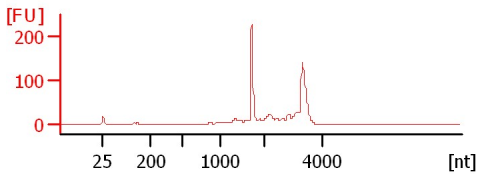
#### Chip Information:

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

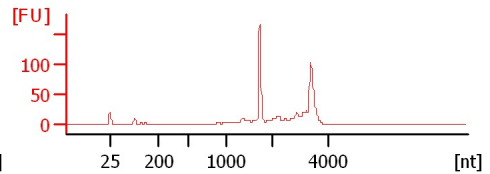
**B1**  
RIN: 8.10



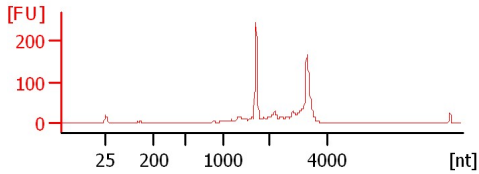
**B2**  
RIN: 8.50



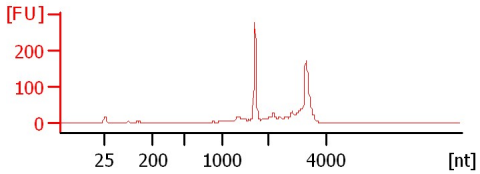
**B3**  
RIN: 8.40



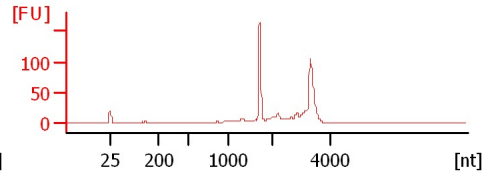
**B4**  
RIN: 8.40



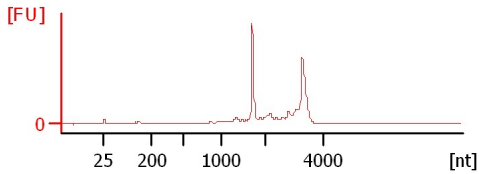
**B5**  
RIN: 8.40



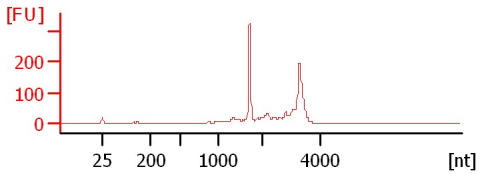
**B6**  
RIN: 8.80



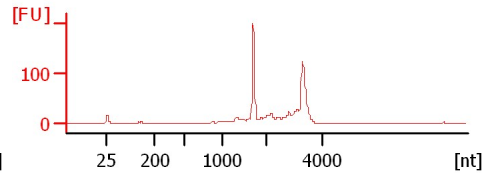
**B7**  
RIN: 8.70



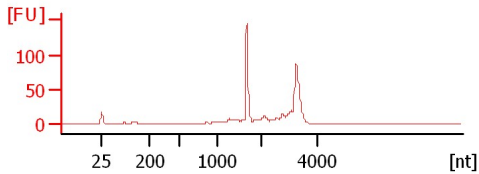
**B8**  
RIN: 8.60



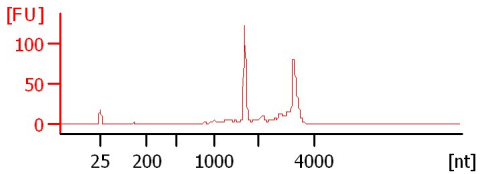
**B9**  
RIN: 8.60



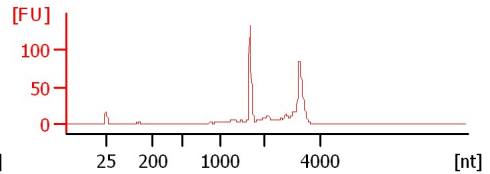
**B10**  
RIN: 8.50



**B11**  
RIN: 8.70



**B12**  
RIN: 8.80



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
 Modified: 3/15/2018 2:15:04 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
B1		✓	RIN: 8.10	
B2		✓	RIN: 8.50	
B3		✓	RIN: 8.40	
B4		✓	RIN: 8.40	
B5		✓	RIN: 8.40	
B6		✓	RIN: 8.80	
B7		✓	RIN: 8.70	
B8		✓	RIN: 8.60	
B9		✓	RIN: 8.60	
B10		✓	RIN: 8.50	
B11		✓	RIN: 8.70	
B12		✓	RIN: 8.80	
Ladder		✓	All Other Samples	

**Chip Lot #**

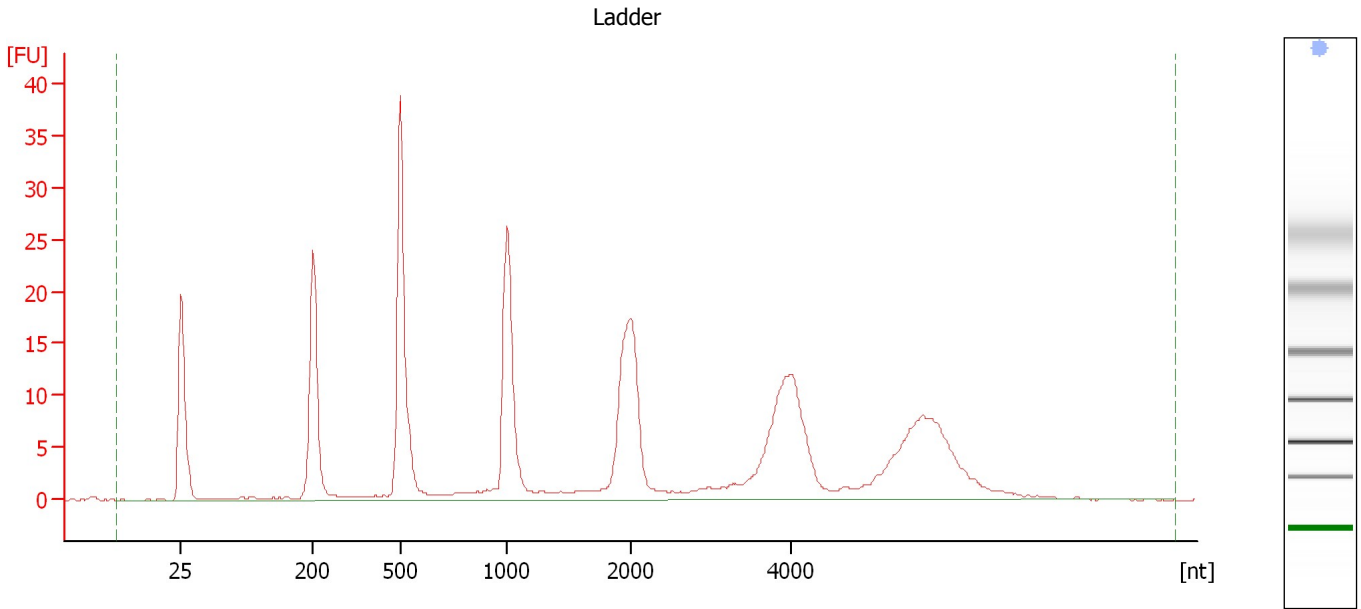
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary**



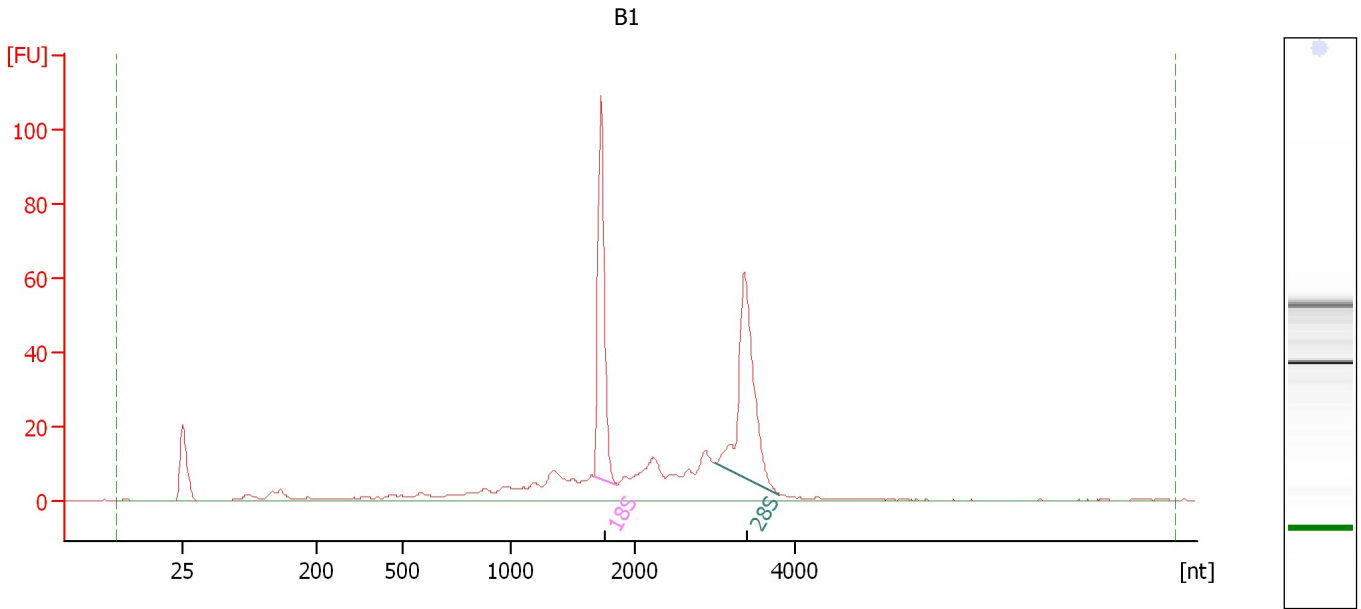
**Overall Results for Ladder**

RNA Area:	289.2	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : B1**

RNA Area: 409.3                      RNA Integrity Number (RIN): 8.1 (B.02.08)  
RNA Concentration: 212 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.1              Result Flagging Label: RIN: 8.10

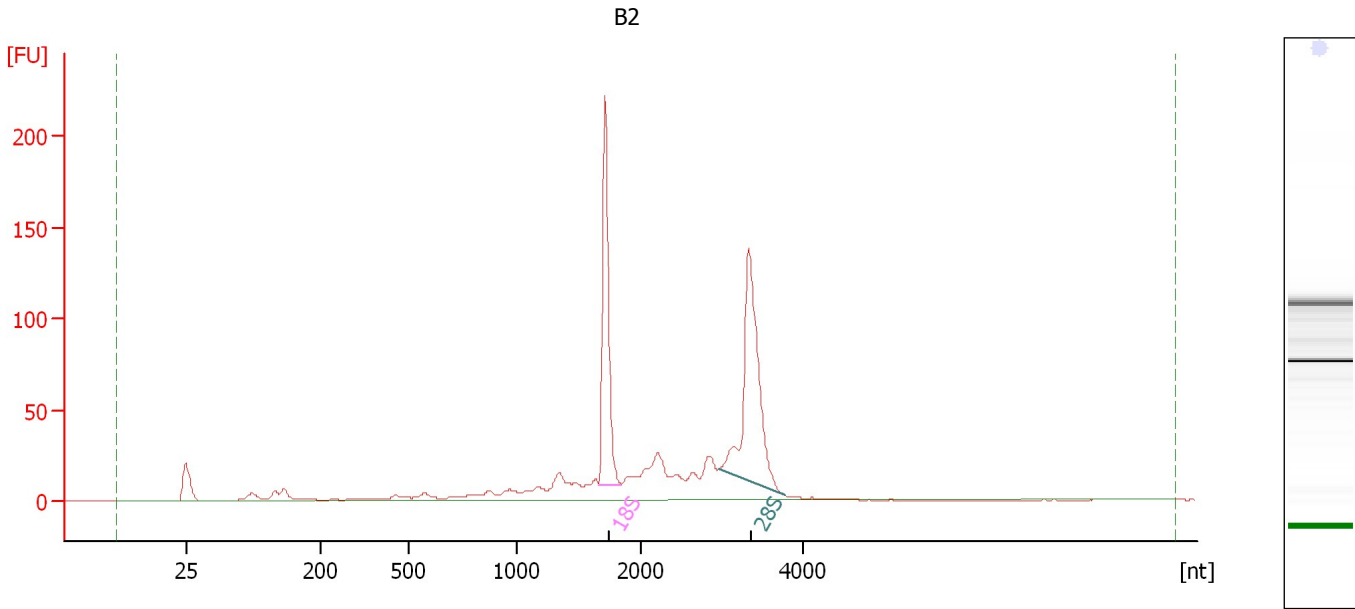
**Fragment table for sample 1 : B1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	1,855	81.8	20.0
28S	2,990	3,805	91.8	22.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : B2**

RNA Area:	797.6	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	414 ng/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]:	1.2	Result Flagging Label:	RIN: 8.50

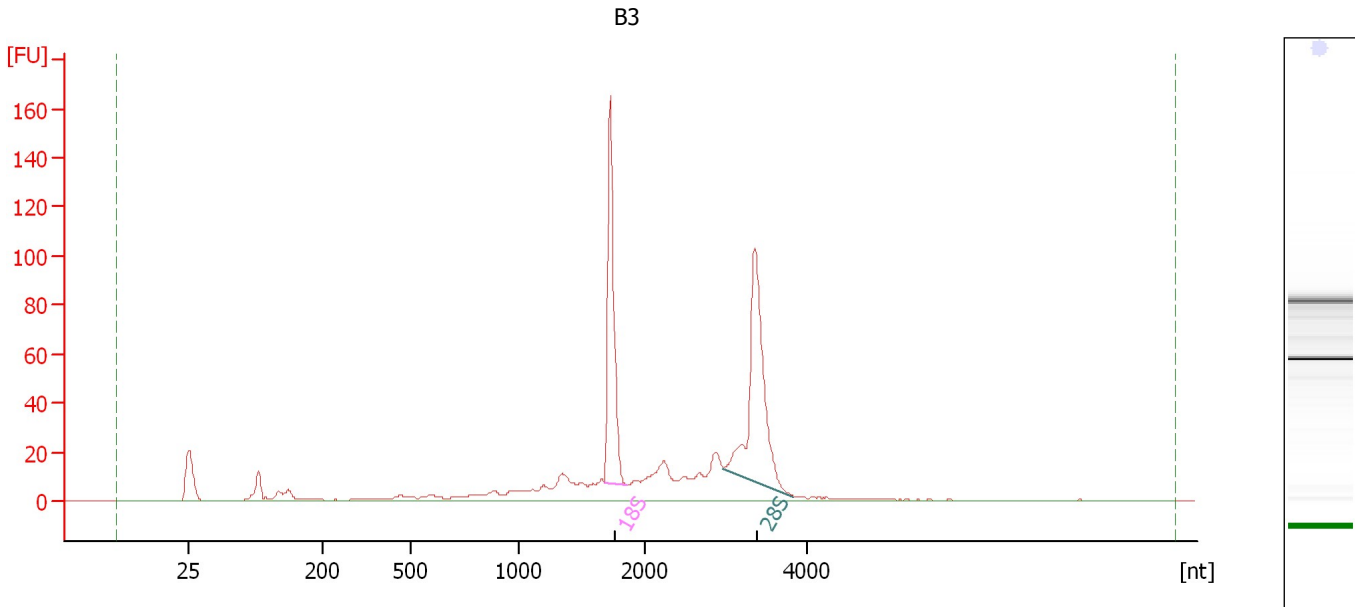
**Fragment table for sample 2 : B2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	1,840	169.1	21.2
28S	2,960	3,796	209.5	26.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : B3**

RNA Area:	589.0	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	306 ng/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]:	1.2	Result Flagging Label:	RIN: 8.40

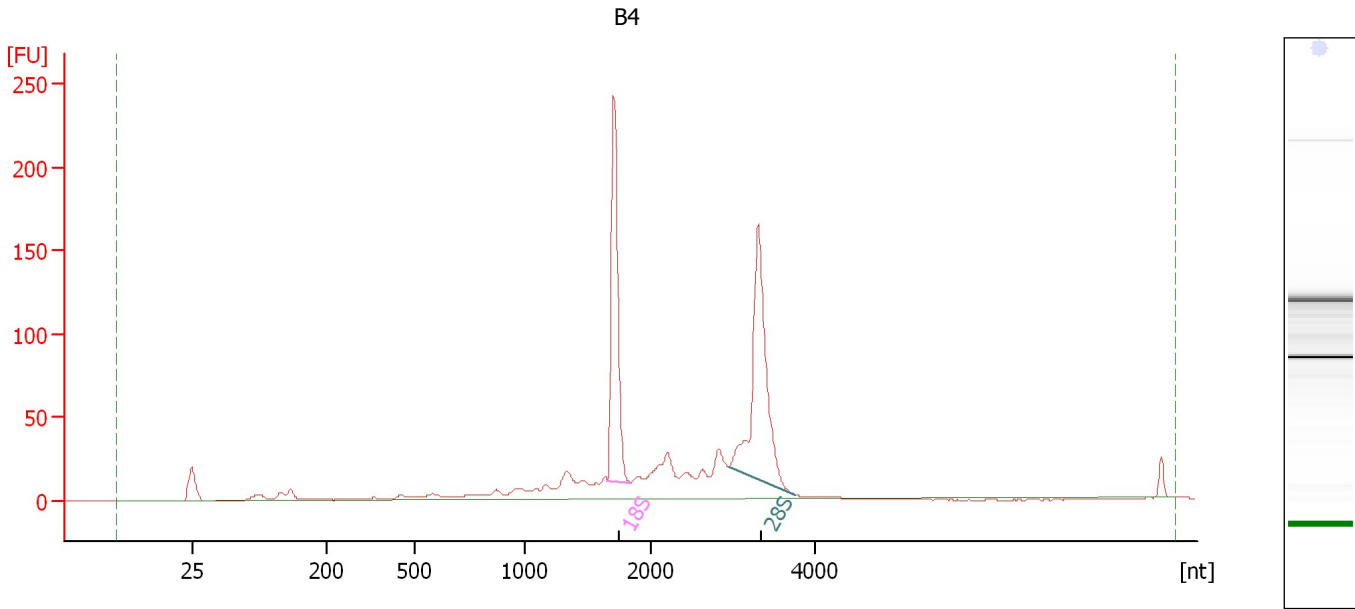
**Fragment table for sample 3 : B3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	1,851	121.9	20.7
28S	2,970	3,829	142.6	24.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : B4**

RNA Area:	840.9	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	436 ng/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]:	1.2	Result Flagging Label:	RIN: 8.40

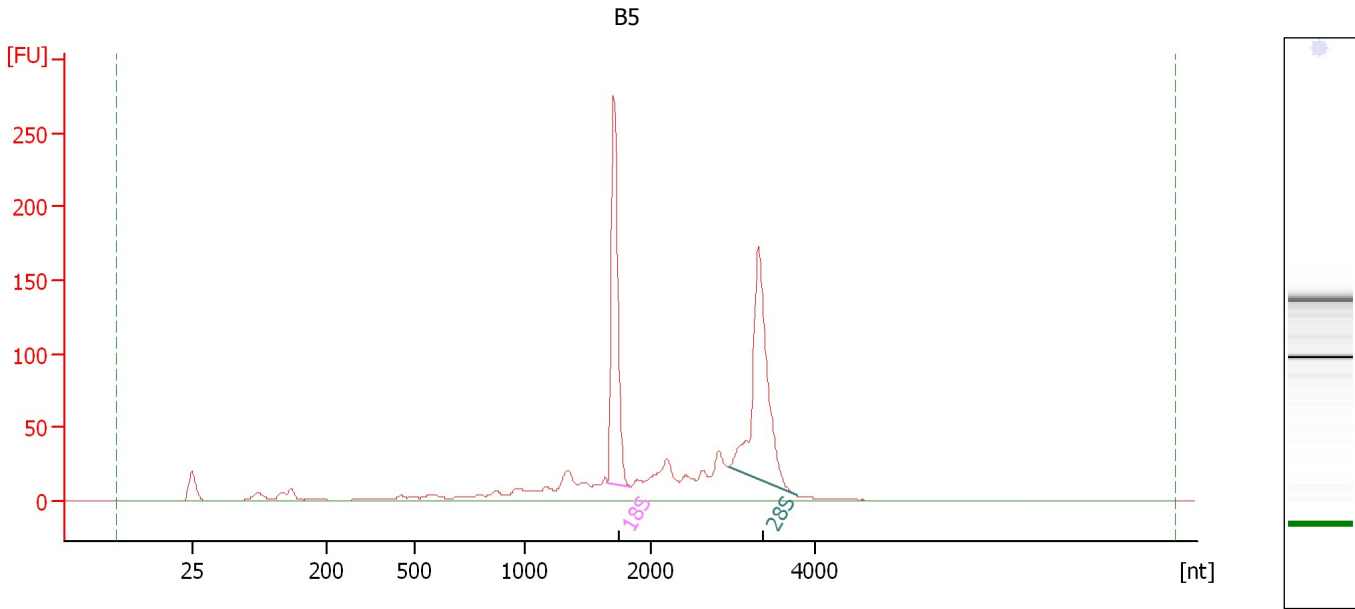
**Fragment table for sample 4 : B4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,836	180.7	21.5
28S	2,940	3,754	224.7	26.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : B5**

RNA Area:	979.3	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	508 ng/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]:	1.2	Result Flagging Label:	RIN: 8.40

**Fragment table for sample 5 : B5**

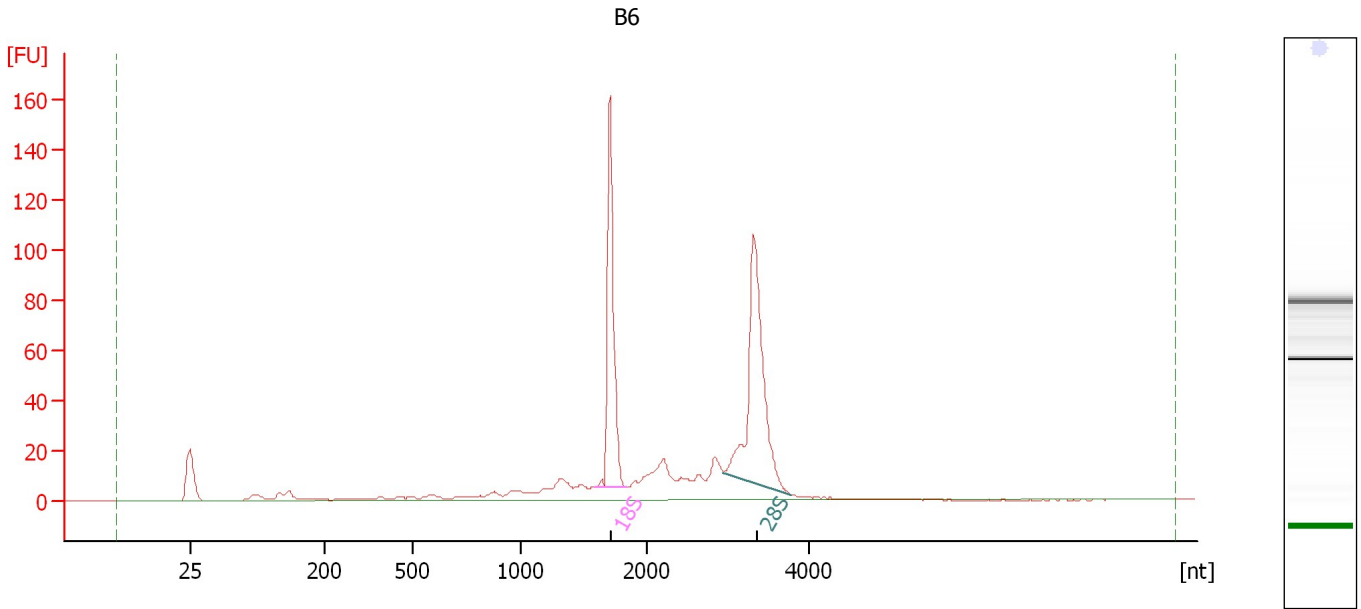
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,828	205.9	21.0
28S	2,940	3,781	254.9	26.0



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : B6**

RNA Area: 555.1                      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 288 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 8.80

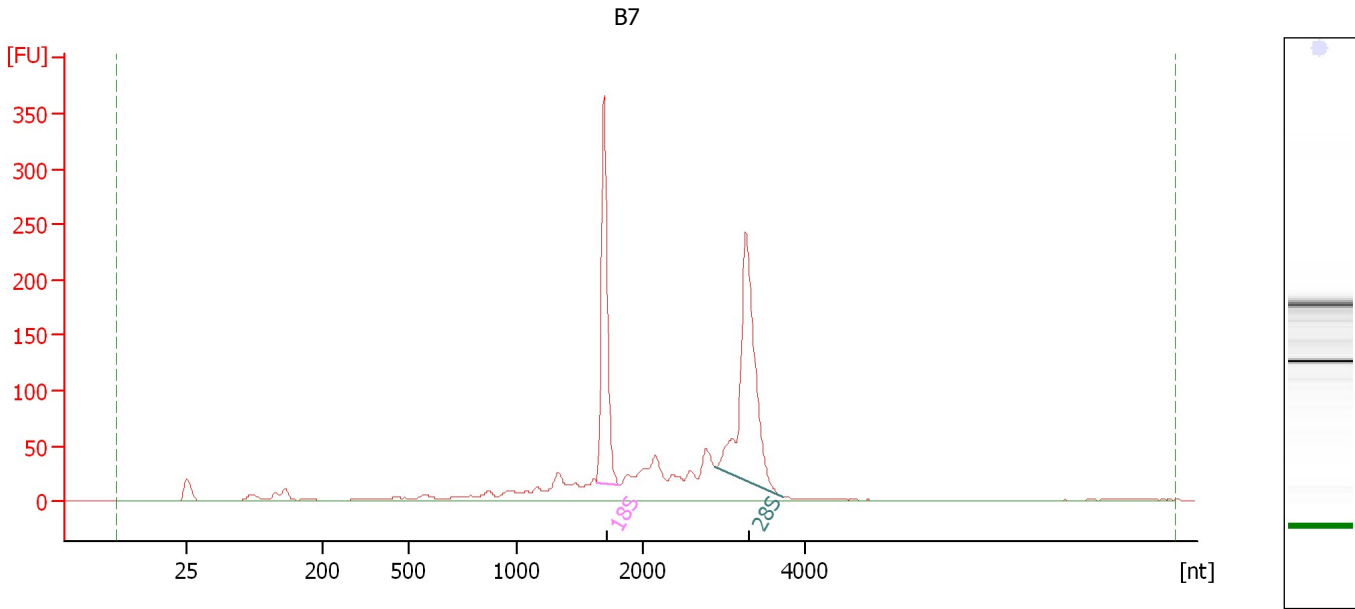
**Fragment table for sample 6 : B6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,834	121.8	21.9
28S	2,943	3,774	155.0	27.9

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
 Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : B7**

RNA Area:	1,316.4	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	683 ng/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]:	1.3	Result Flagging Label:	RIN: 8.70

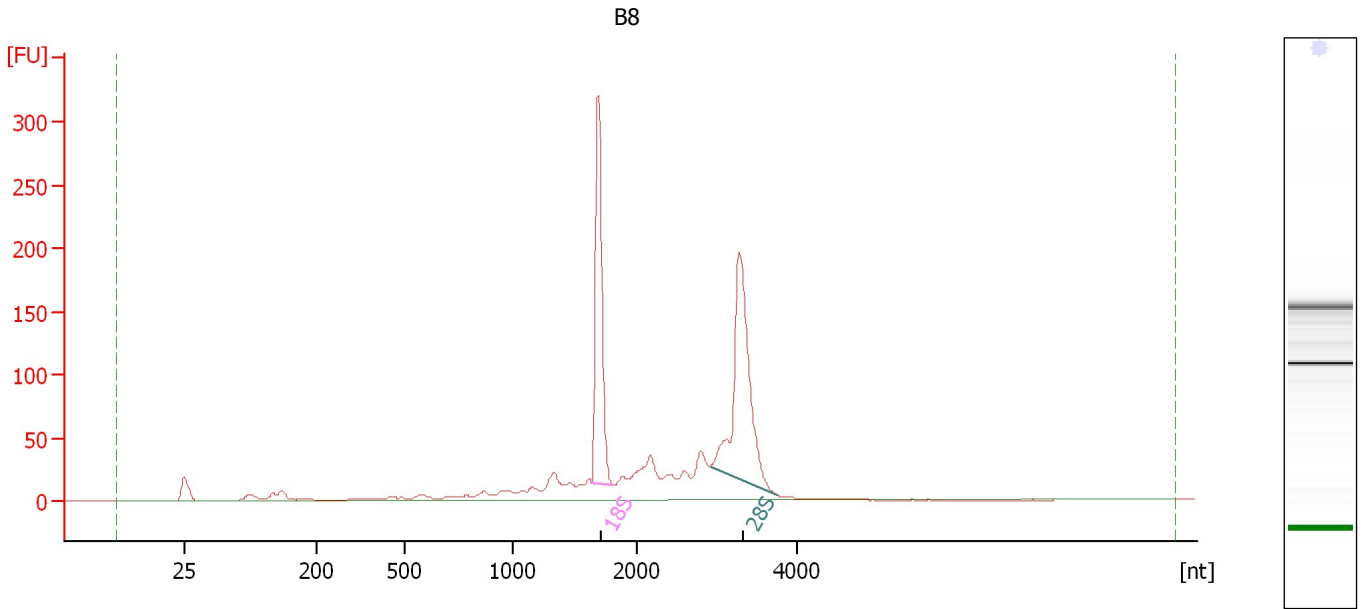
**Fragment table for sample 7 : B7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,628	1,807	281.6	21.4
28S	2,892	3,740	364.9	27.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : B8**

RNA Area: 1,133.2                      RNA Integrity Number (RIN): 8.6 (B.02.08)  
RNA Concentration: 588 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 8.60

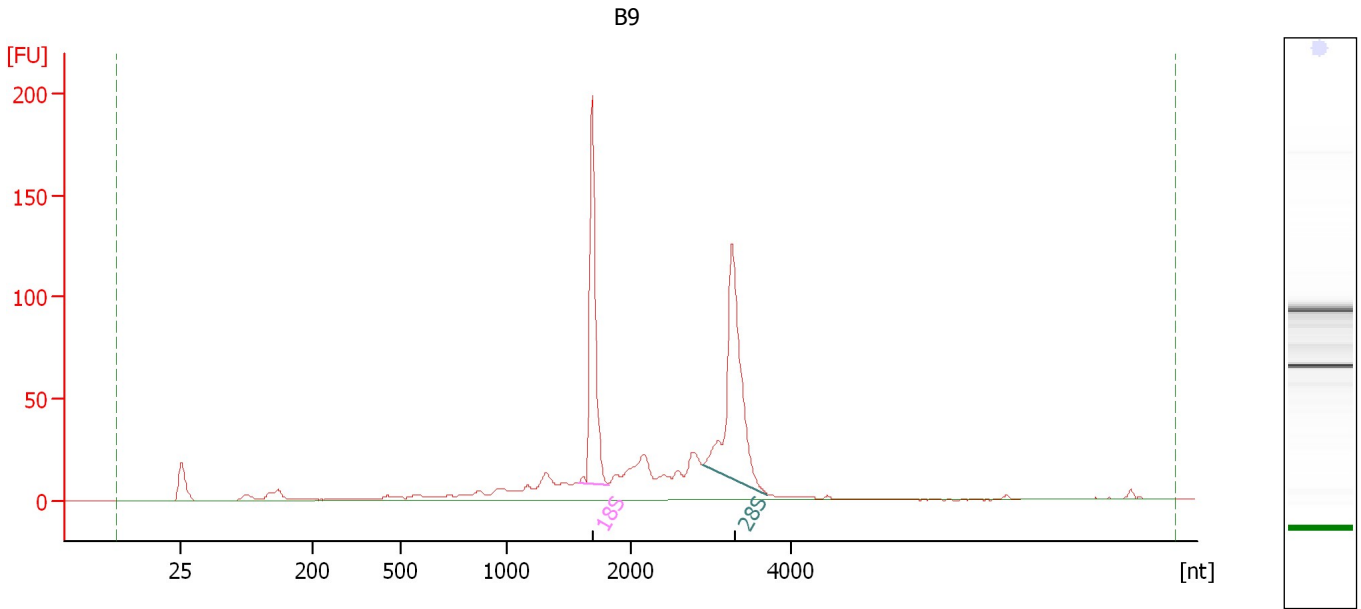
**Fragment table for sample 8 : B8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,633	1,813	239.8	21.2
28S	2,909	3,735	304.8	26.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : B9**

RNA Area:	721.9	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	375 ng/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]:	1.2	Result Flagging Label:	RIN: 8.60

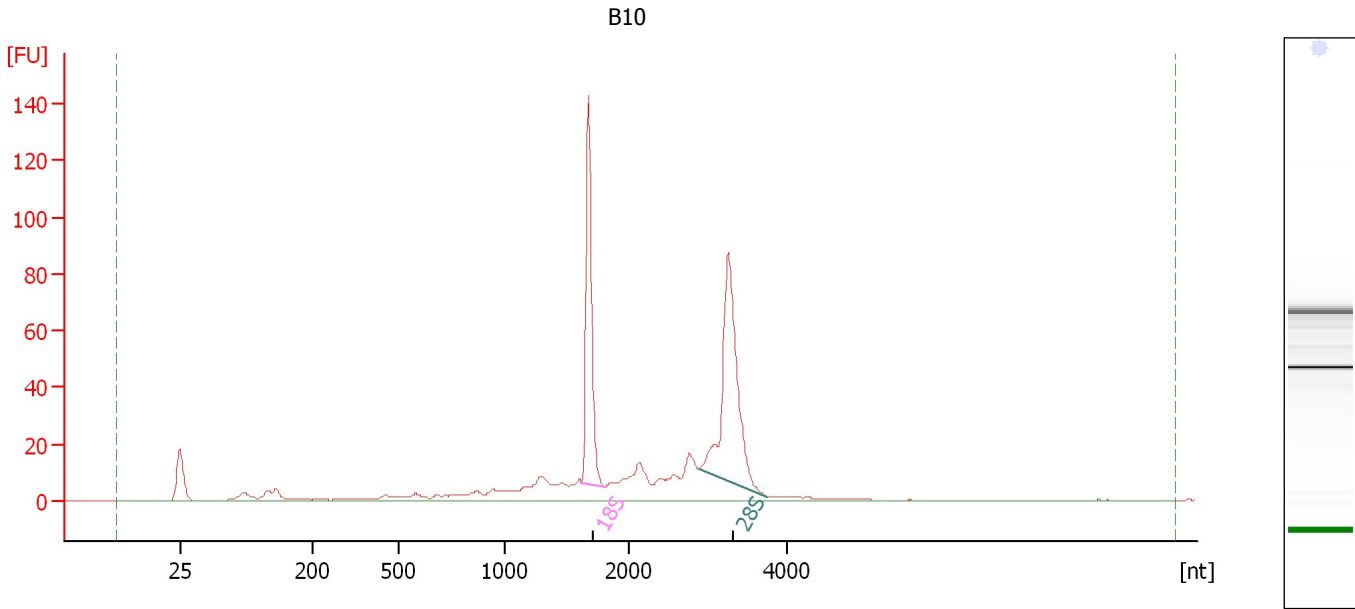
**Fragment table for sample 9 : B9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,818	149.1	20.7
28S	2,899	3,718	182.1	25.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : B10**

RNA Area:	498.8	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	259 ng/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]:	1.3	Result Flagging Label:	RIN: 8.50

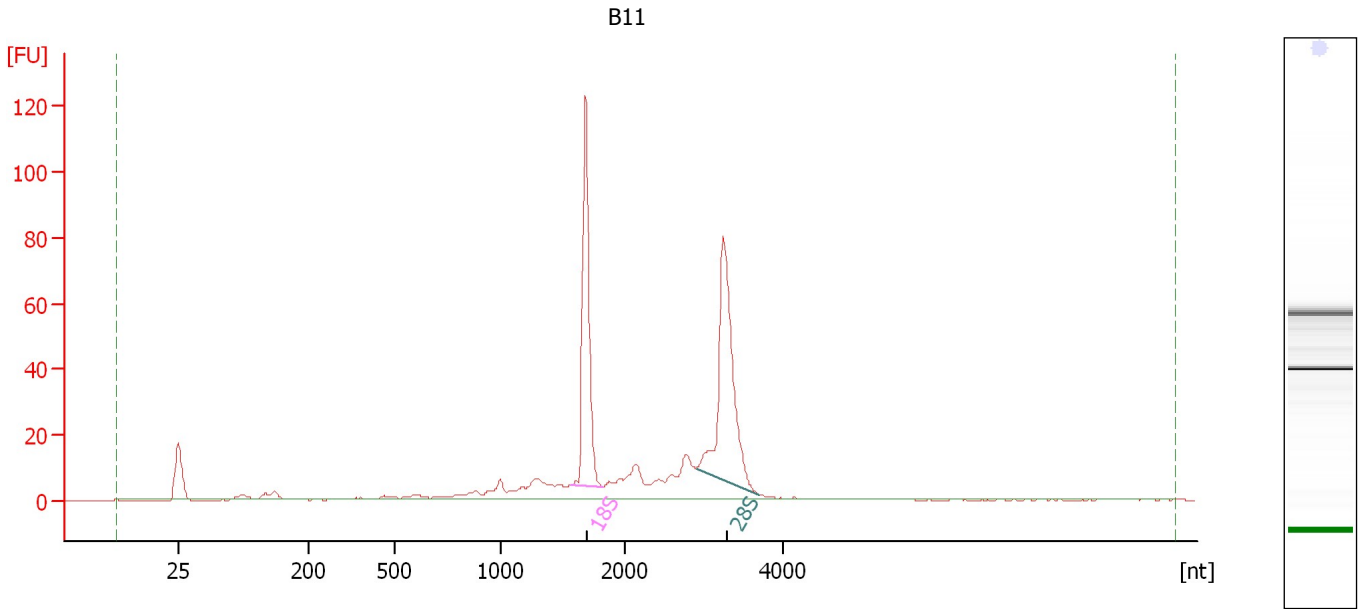
**Fragment table for sample 10 : B10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	1,800	105.0	21.0
28S	2,873	3,734	132.2	26.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
 Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : B11**

RNA Area:	404.5	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	210 ng/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]:	1.2	Result Flagging Label:	RIN: 8.70

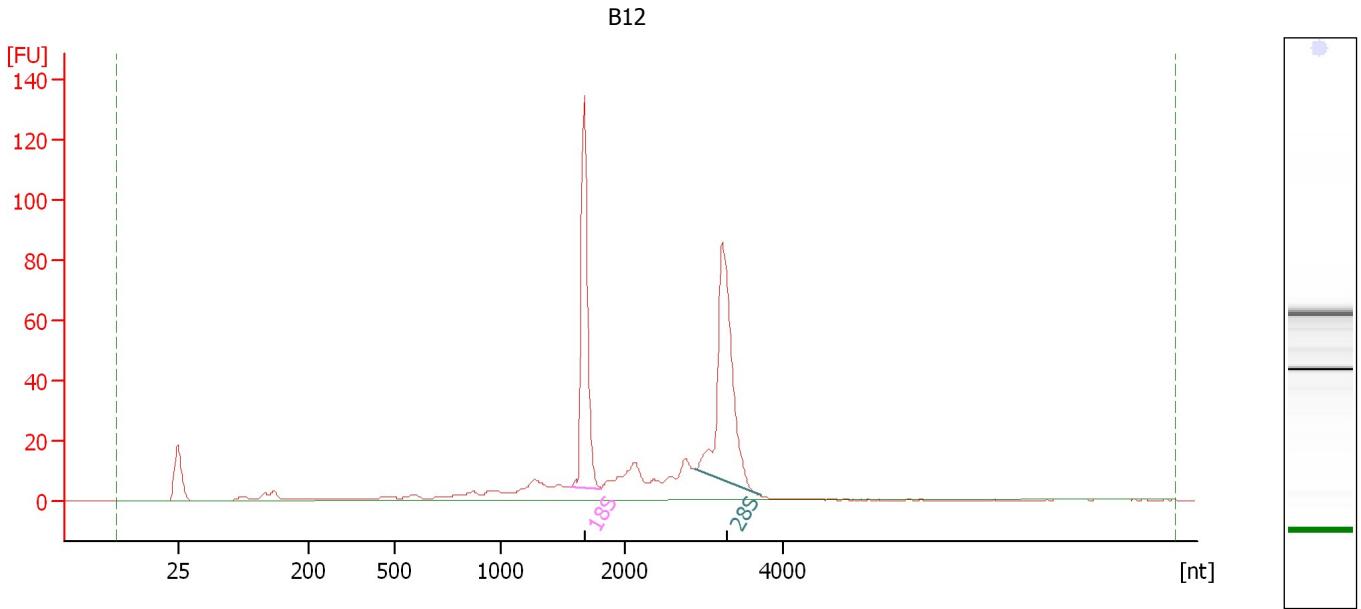
**Fragment table for sample 11 : B11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,564	1,816	97.2	24.0
28S	2,902	3,700	114.8	28.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : B12**

RNA Area: 450.2                      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 234 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.2              Result Flagging Label: RIN: 8.80

**Fragment table for sample 12 : B12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,807	103.8	23.1
28S	2,889	3,713	129.0	28.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15\_003.xad

Created: 3/15/2018 1:52:01 PM  
Modified: 3/15/2018 2:15:04 PM

**Gel Image**

