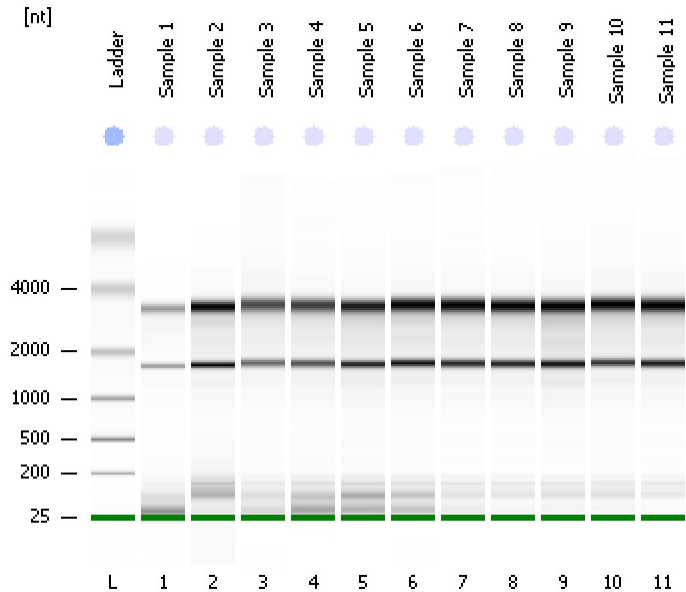


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 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 Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

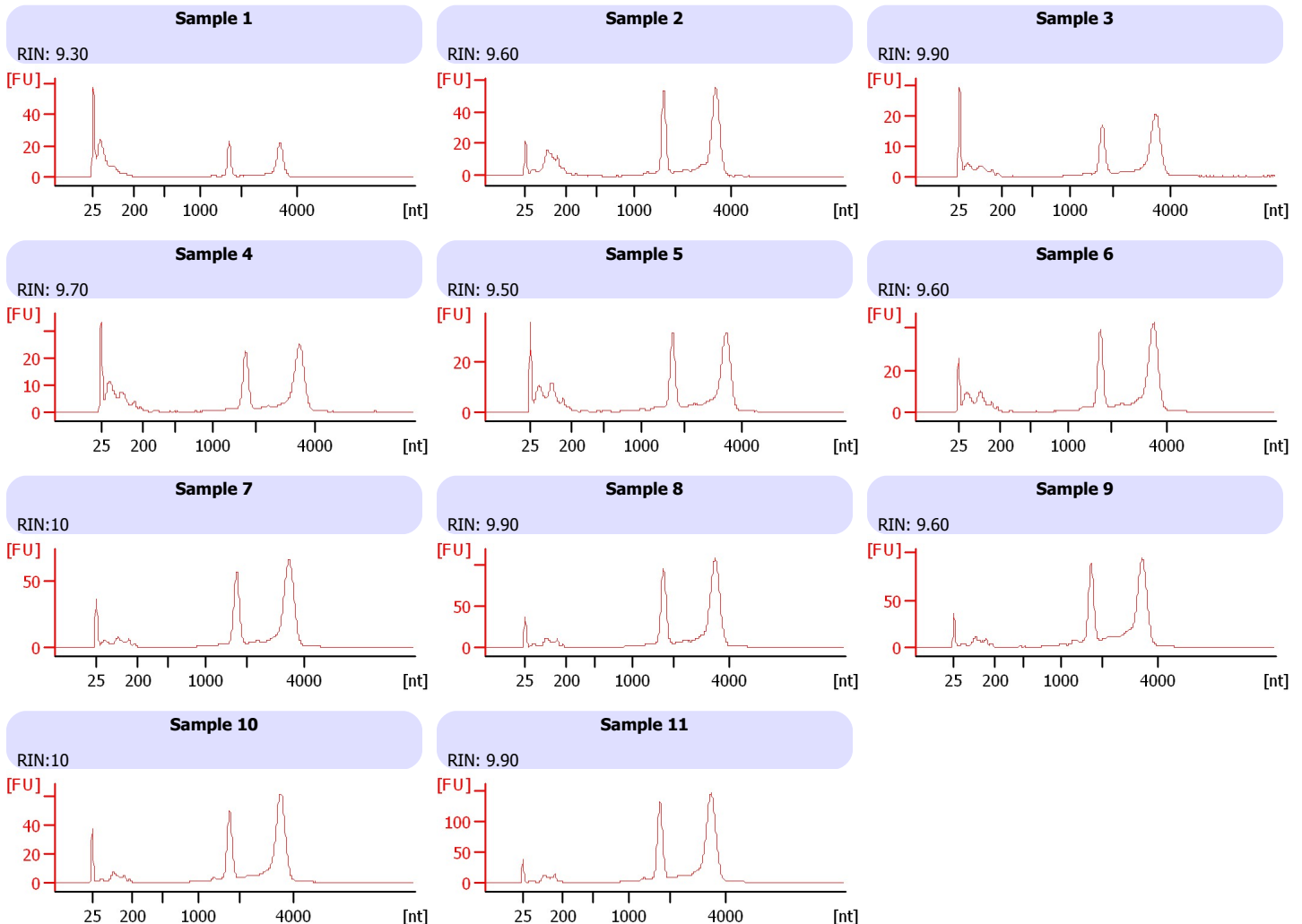
© Copyright 2003 - 2009 Agilent Technologies, Inc.

#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
 Modified: 2/23/2018 1:12:06 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.30	
Sample 2		✓	RIN: 9.60	
Sample 3		✓	RIN: 9.90	
Sample 4		✓	RIN: 9.70	
Sample 5		✓	RIN: 9.50	
Sample 6		✓	RIN: 9.60	
Sample 7		✓	RIN:10	
Sample 8		✓	RIN: 9.90	
Sample 9		✓	RIN: 9.60	
Sample 10		✓	RIN:10	
Sample 11		✓	RIN: 9.90	
Ladder		✓	All Other Samples	

**Chip Lot #**

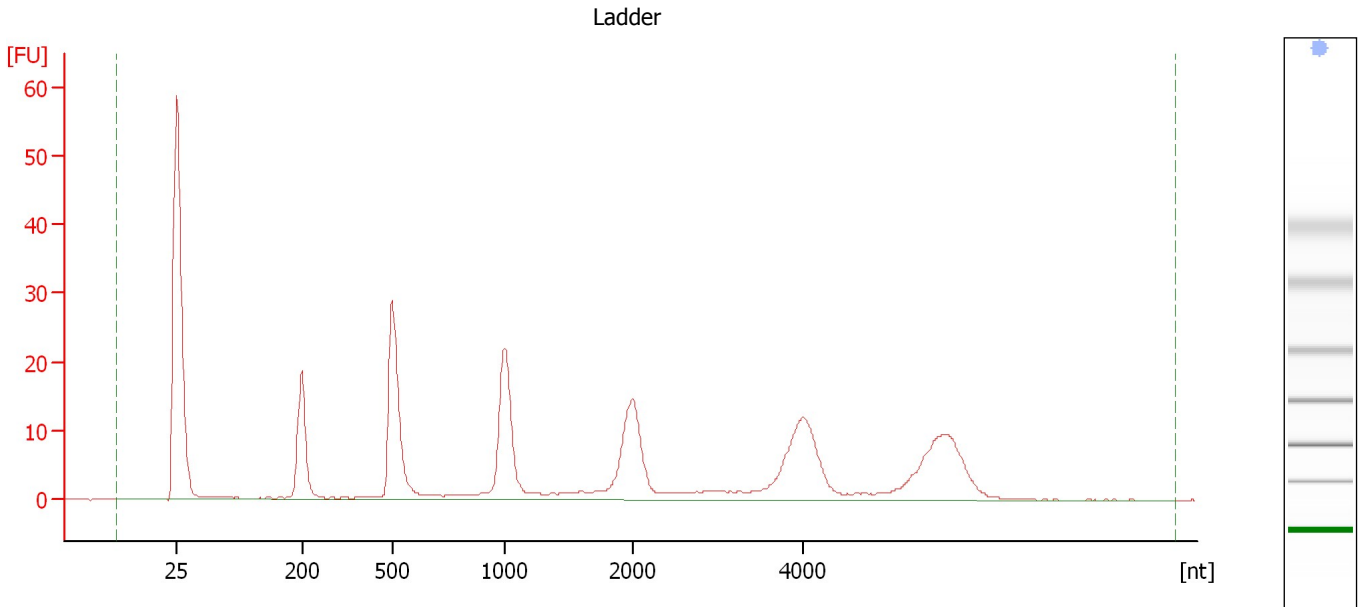
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary**



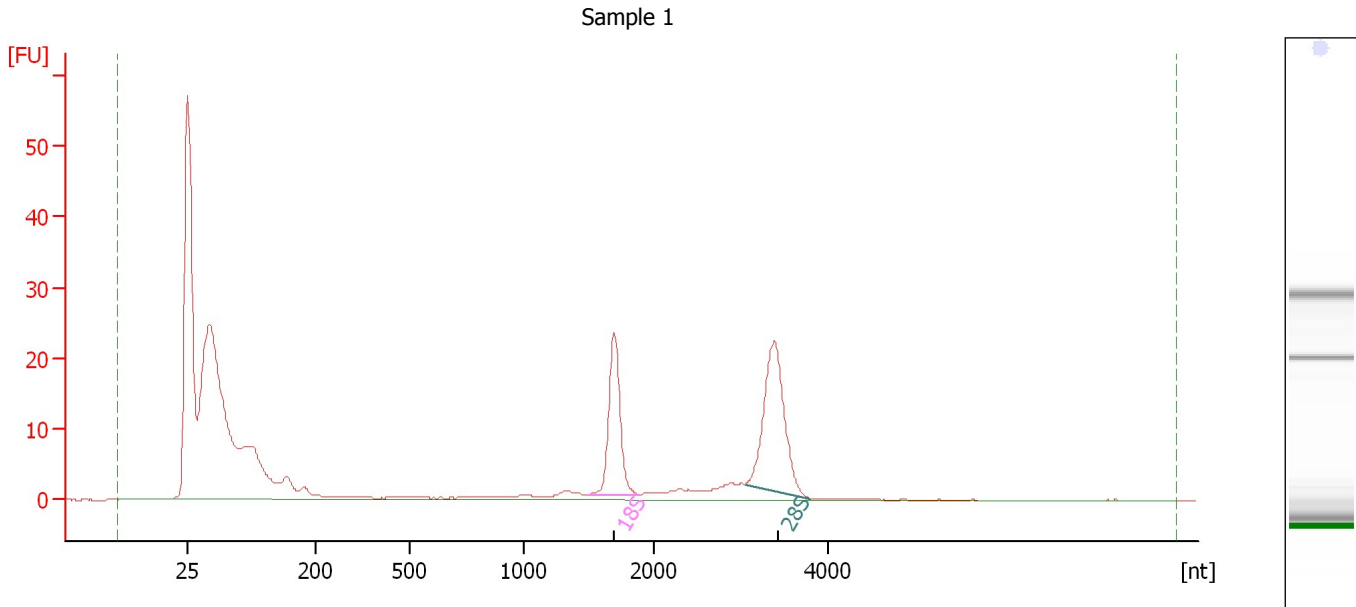
**Overall Results for Ladder**

RNA Area:	271.7	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
 Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Sample 1**

RNA Area:	297.8	RNA Integrity Number (RIN):	9.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,096 µg/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]:	1.5	Result Flagging Label:	RIN: 9.30

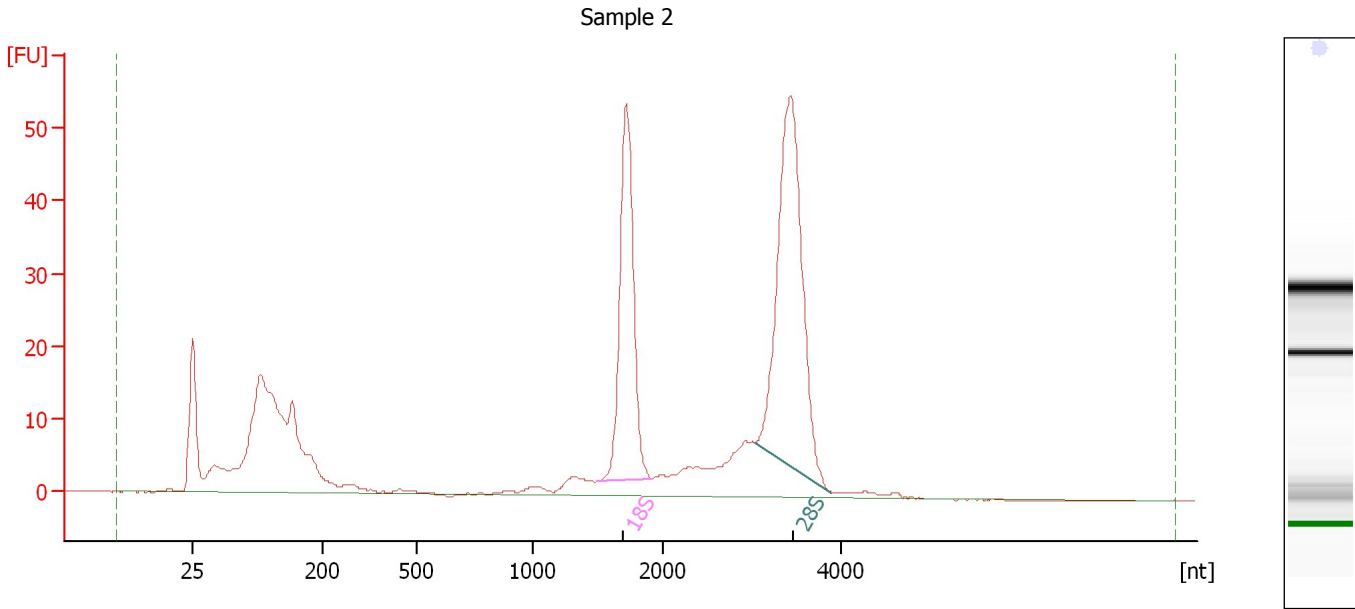
**Fragment table for sample 1 : Sample 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,494	1,896	31.9	10.7
28S	3,044	3,778	46.3	15.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sample 2**

RNA Area:	484.6	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	1,784 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]:	1.5	Result Flagging Label:	RIN: 9.60

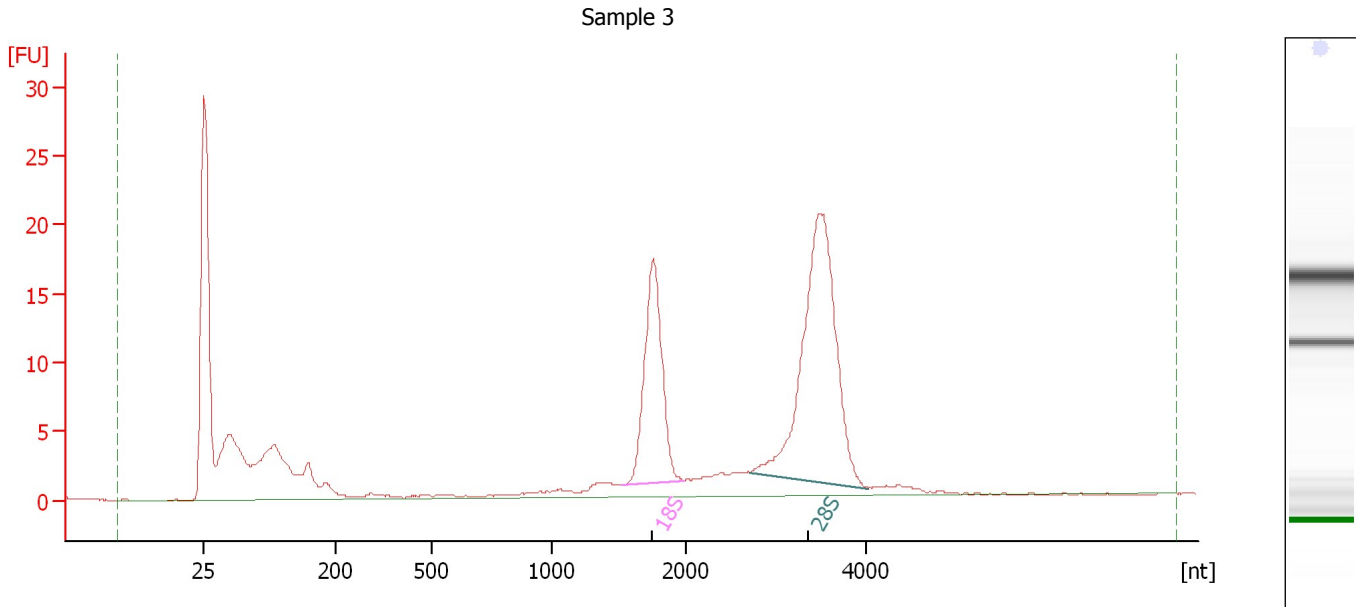
**Fragment table for sample 2 : Sample 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,493	1,907	87.1	18.0
28S	3,036	3,906	132.6	27.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Sample 3**

RNA Area:	197.6	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	728 µg/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]:	1.9	Result Flagging Label:	RIN: 9.90

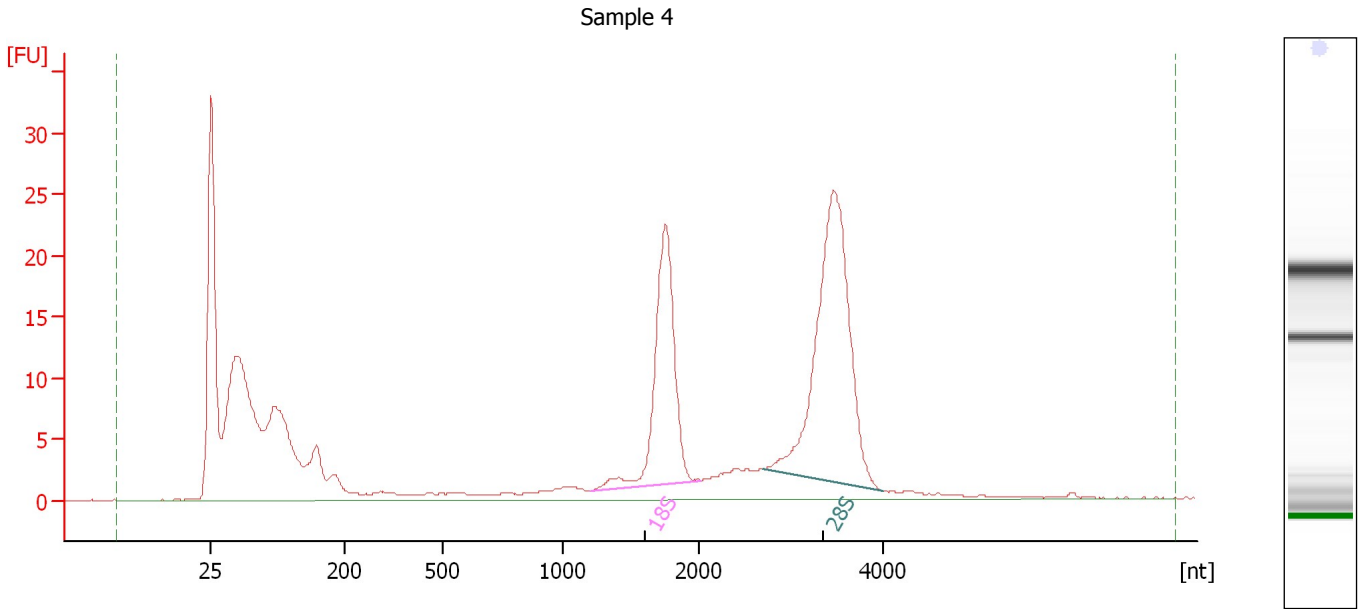
**Fragment table for sample 3 : Sample 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,985	34.6	17.5
28S	2,711	4,025	67.1	34.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 4**

RNA Area:	311.9	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	1,148 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]:	1.6	Result Flagging Label:	RIN: 9.70

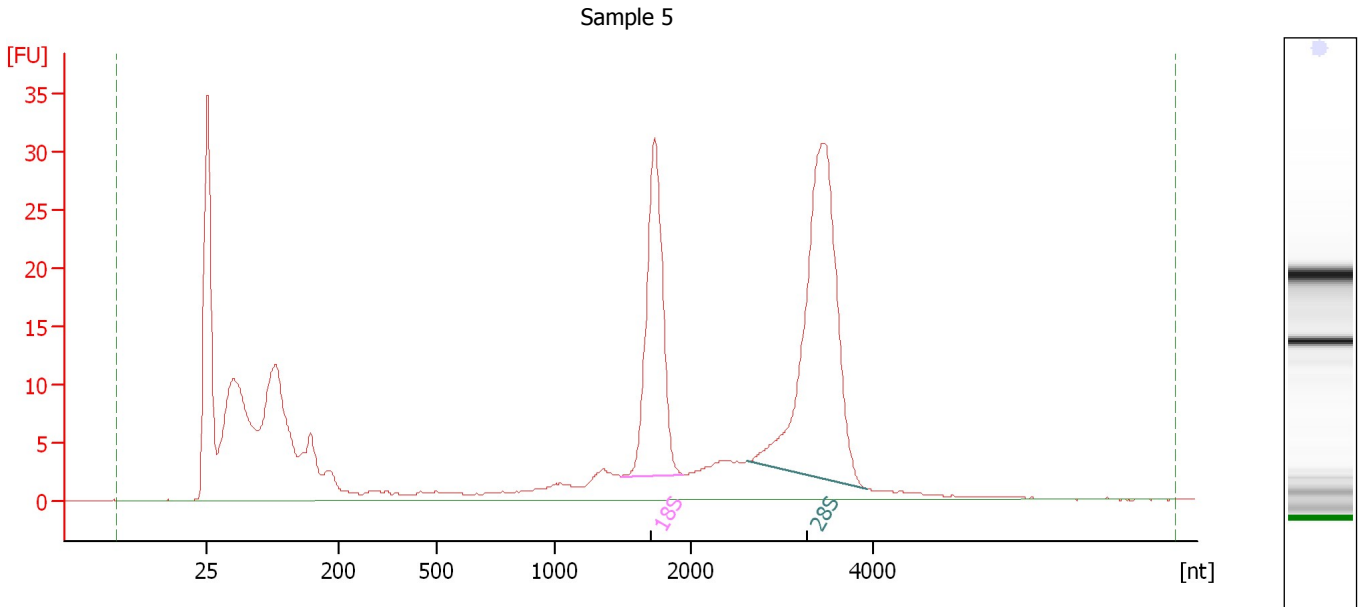
**Fragment table for sample 4 : Sample 4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,203	2,028	49.1	15.8
28S	2,704	4,011	80.3	25.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
 Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Sample 5**

RNA Area:	377.0	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	1,388 µg/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]:	1.7	Result Flagging Label:	RIN: 9.50

**Fragment table for sample 5 : Sample 5**

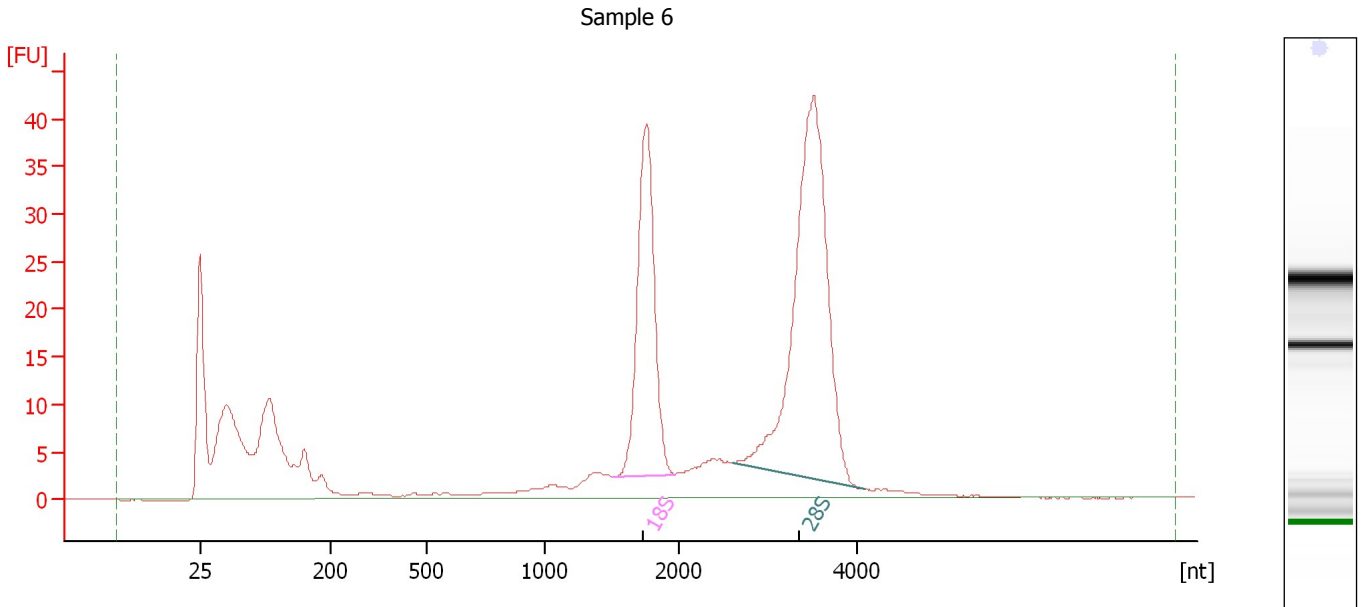
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,488	1,946	56.4	15.0
28S	2,626	3,931	97.3	25.8



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Sample 6**

RNA Area:	428.3	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	1,577 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]:	1.8	Result Flagging Label:	RIN: 9.60

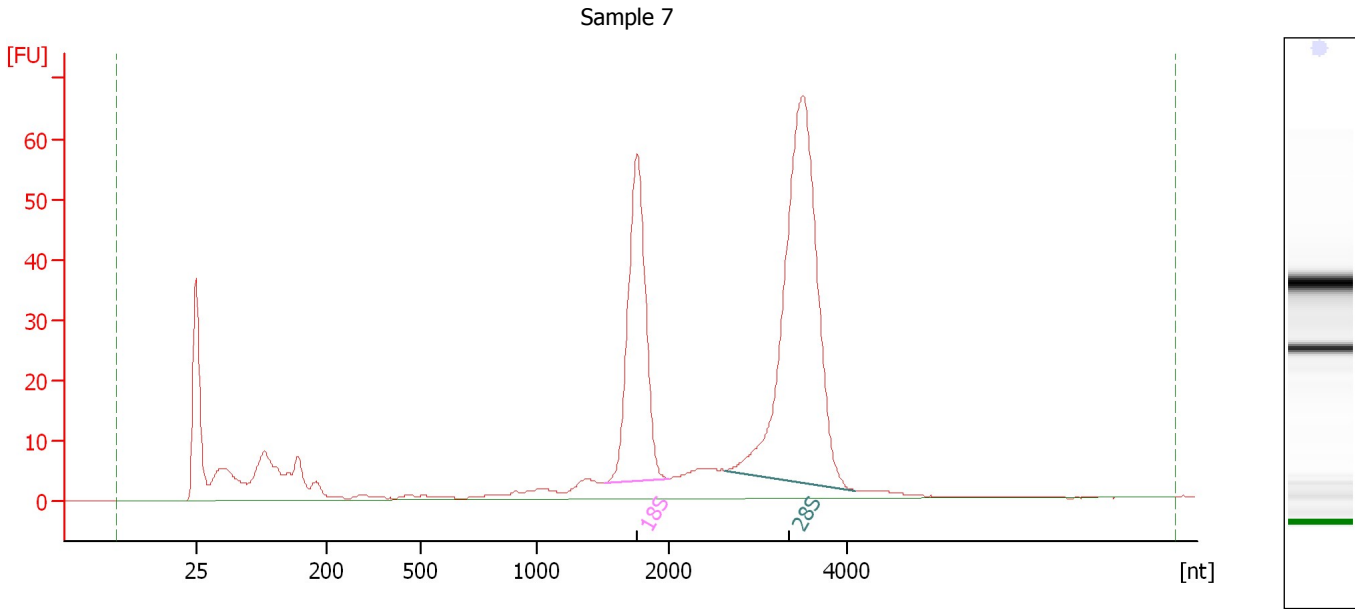
**Fragment table for sample 6 : Sample 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,519	1,983	76.4	17.8
28S	2,607	4,084	138.0	32.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Sample 7**

RNA Area:	551.2	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	2,029 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]:	1.9	Result Flagging Label:	RIN:10

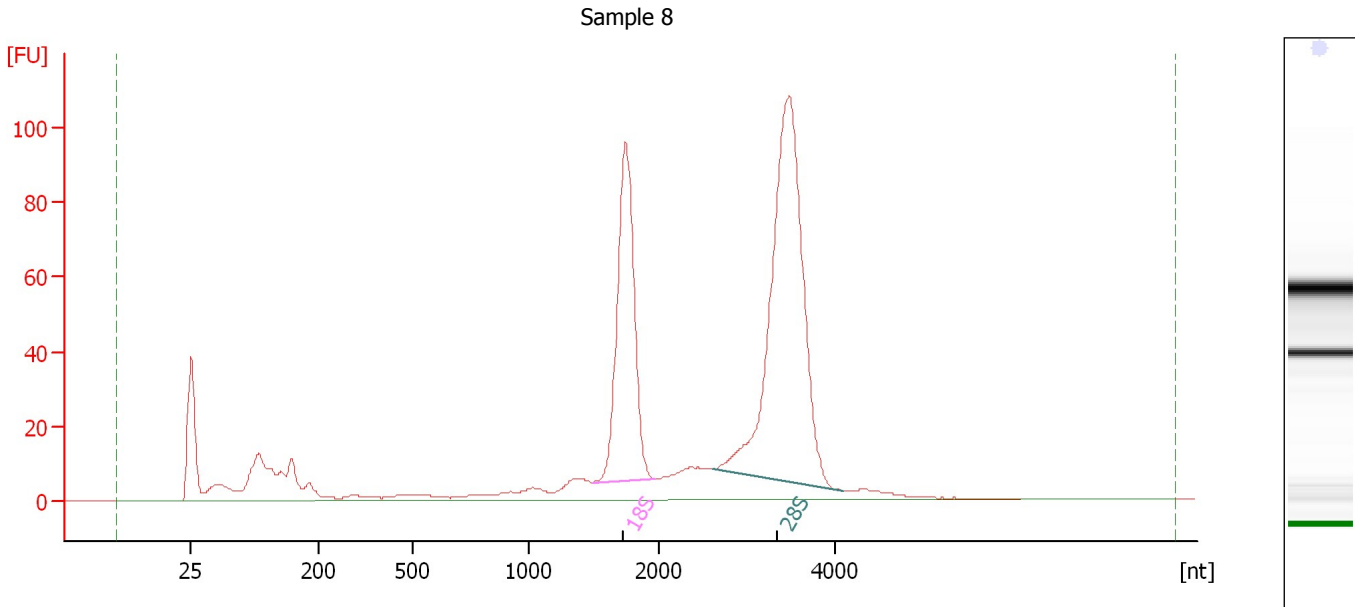
**Fragment table for sample 7 : Sample 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,990	117.5	21.3
28S	2,622	4,076	223.2	40.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Sample 8**

RNA Area:	871.5	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	3,208 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]:	1.9	Result Flagging Label:	RIN: 9.90

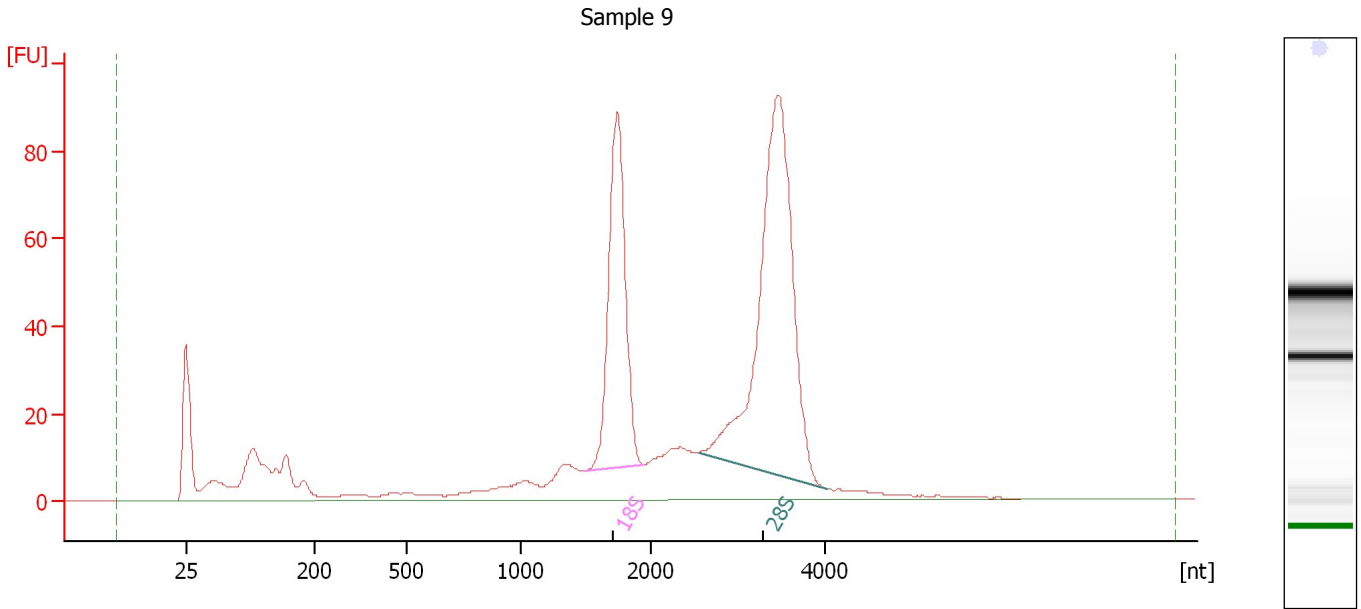
**Fragment table for sample 8 : Sample 8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	1,963	189.0	21.7
28S	2,602	4,084	352.5	40.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
 Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Sample 9**

RNA Area:	881.8	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	3,246 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]:	1.8	Result Flagging Label:	RIN: 9.60

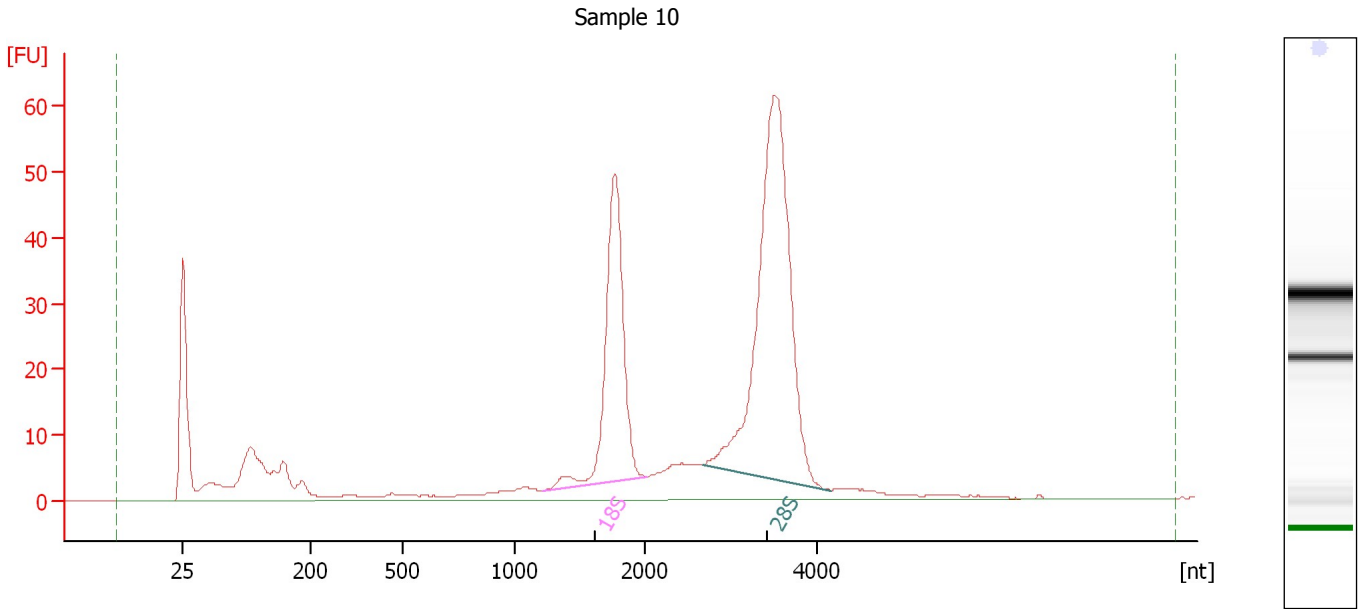
**Fragment table for sample 9 : Sample 9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,492	1,945	168.6	19.1
28S	2,544	4,014	311.3	35.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
 Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Sample 10**

RNA Area:	511.9	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	1,884 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]:	1.9	Result Flagging Label:	RIN:10

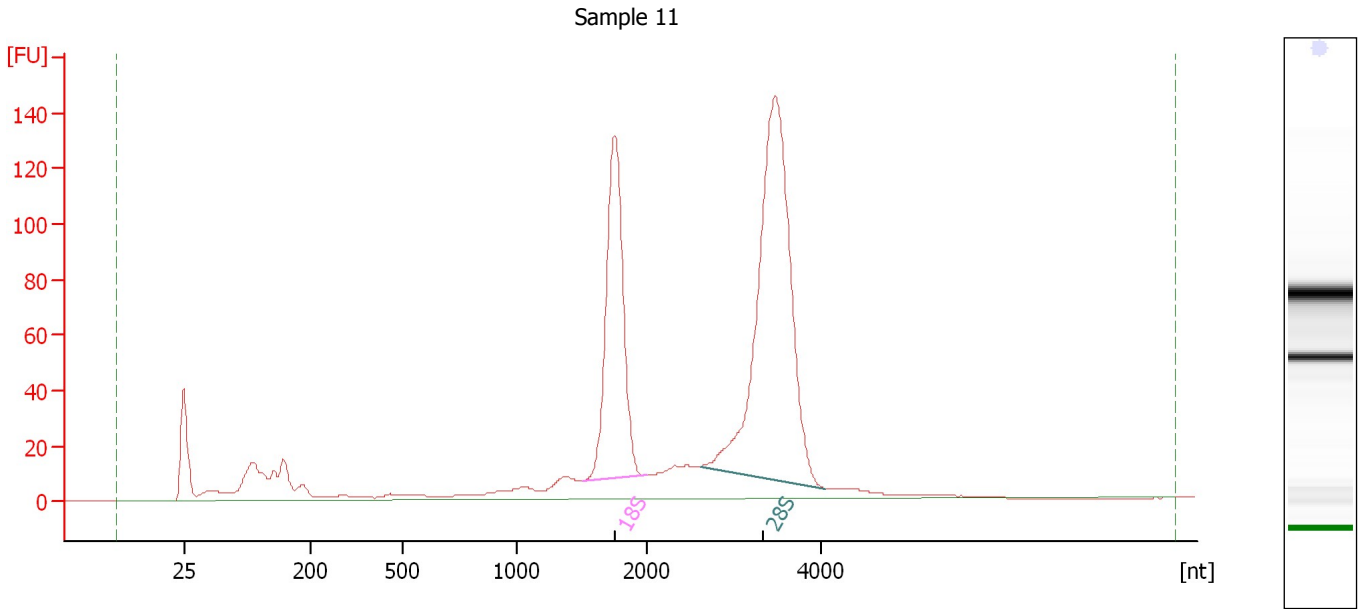
**Fragment table for sample 10 : Sample 10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,206	2,015	102.6	20.1
28S	2,681	4,149	199.1	38.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	1,205.9	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	4,439 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]:	1.9	Result Flagging Label:	RIN: 9.90

**Fragment table for sample 11 : Sample 11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,506	2,003	263.4	21.8
28S	2,631	4,059	488.1	40.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-23\2018-02-23\_003.xad

Created: 2/23/2018 12:38:57 PM  
Modified: 2/23/2018 1:12:06 PM

**Gel Image**

