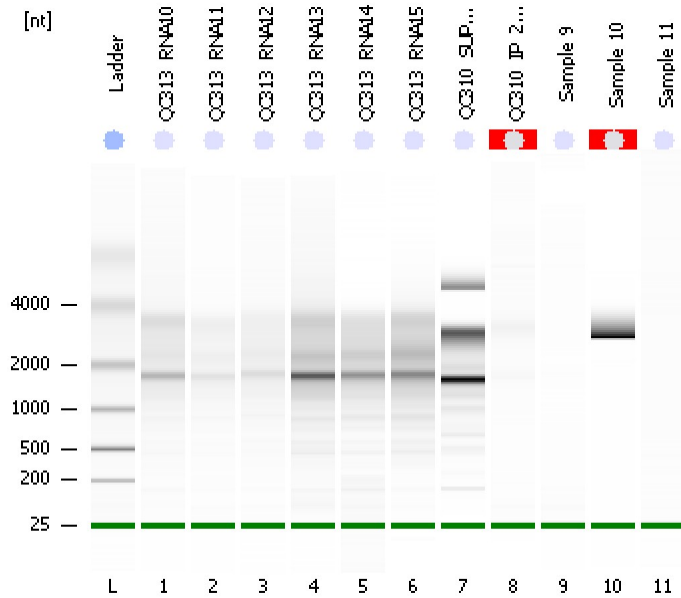


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electrophoresis File Run Summary



Instrument Information:

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

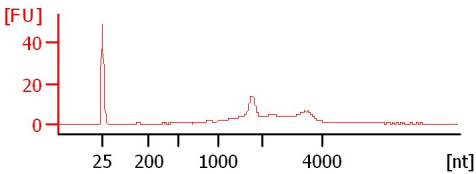
Assay Information:

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)
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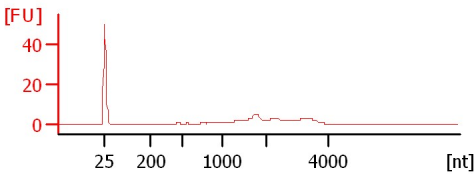
Chip Information:

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

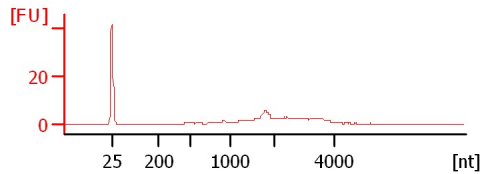
QC313_RNA10
RIN: 8



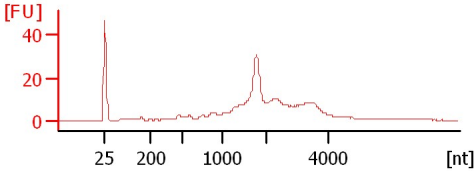
QC313_RNA11
RIN: 5.80



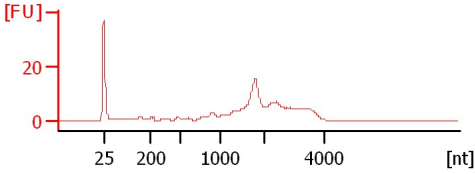
QC313_RNA12
RIN: 5.10



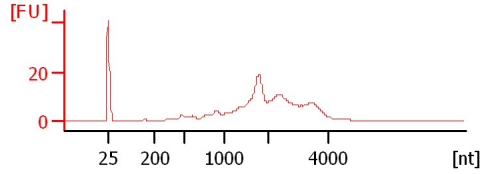
QC313_RNA13
RIN: 7.80



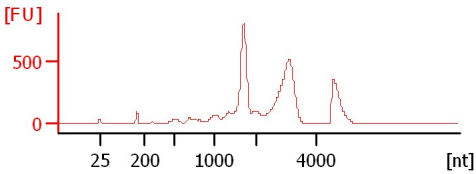
QC313_RNA14
RIN: 6.10



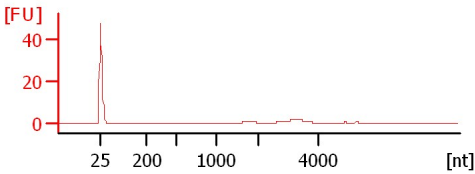
QC313_RNA15
RIN: 6.40



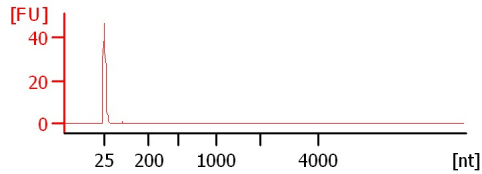
QC310_SUP_20JUN
RIN: 8.90



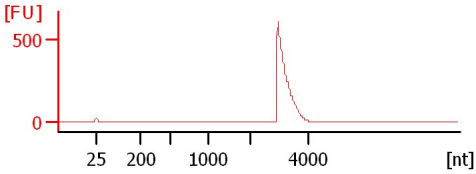
QC310_IP_20JUN
RIN N/A



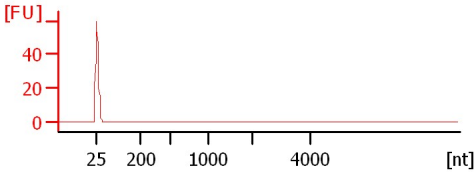
Sample 9
RIN: 2.70



Sample 10
RIN N/A



Sample 11
RIN: 1



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
 Modified: 8/7/2018 3:03:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC313_RNA10		✓	RIN:8	
QC313_RNA11		✓	RIN: 5.80	
QC313_RNA12		✓	RIN: 5.10	
QC313_RNA13		✓	RIN: 7.80	
QC313_RNA14		✓	RIN: 6.10	
QC313_RNA15		✓	RIN: 6.40	
QC310_SUP_20JUN		✓	RIN: 8.90	
QC310_IP_20JUN		✓	RIN N/A	
Sample 9		✓	RIN: 2.70	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 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

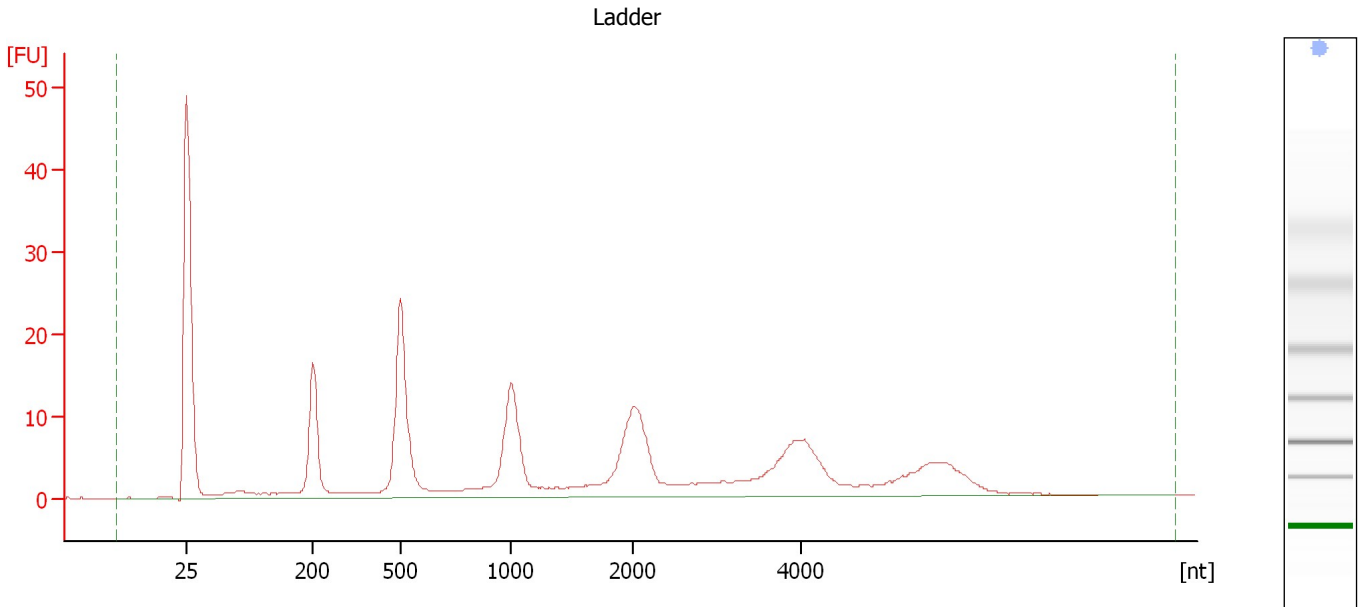
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary



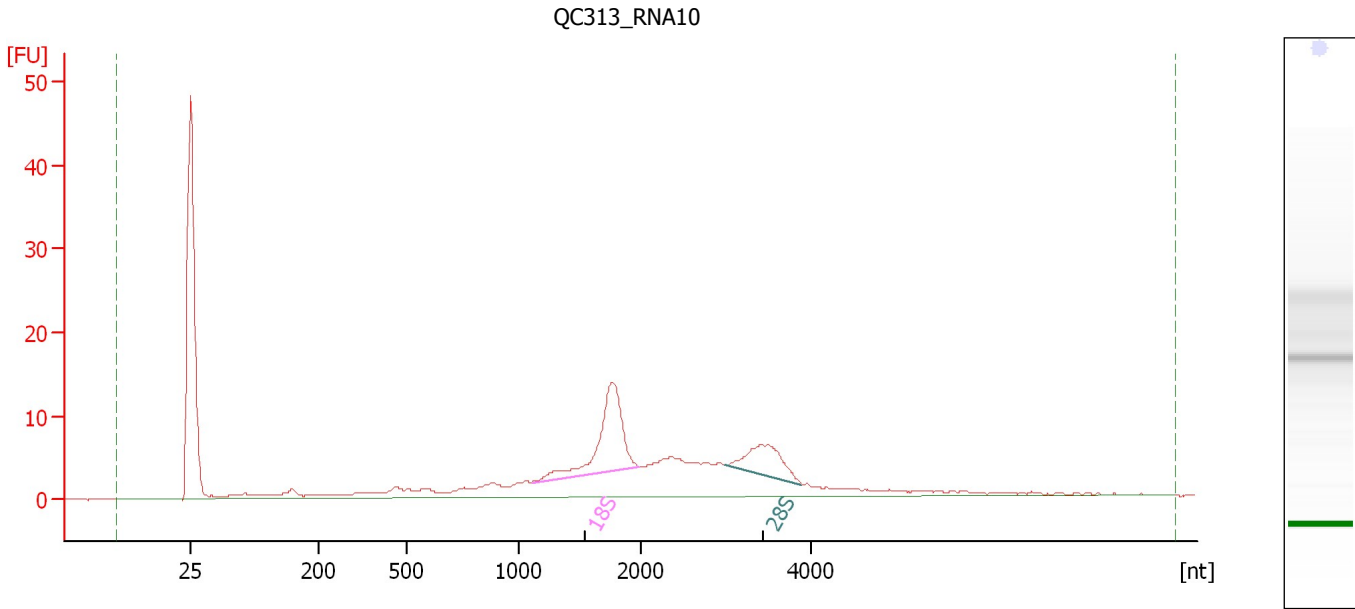
Overall Results for Ladder

RNA Area:	251.6	Result Flagging Color:	
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\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC313 RNA10

RNA Area: 184.7 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 734 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN:8

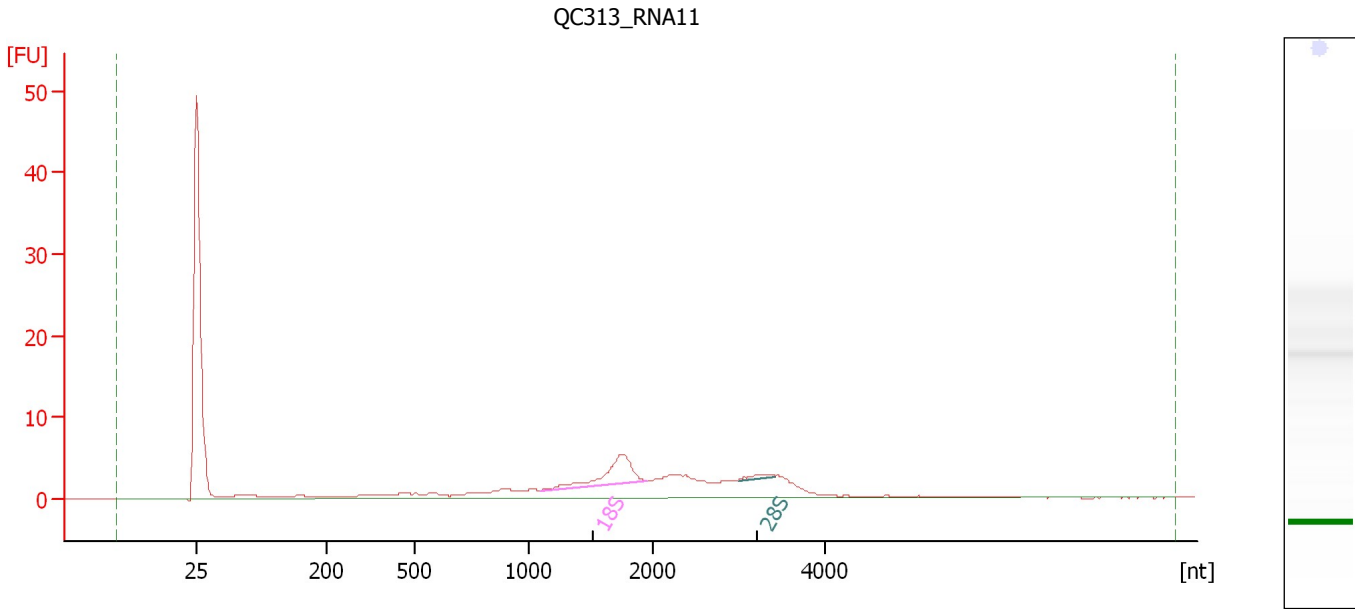
Fragment table for sample 1 : QC313 RNA10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,115	1,985	31.3	16.9
28S	2,989	3,898	13.7	7.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC313 RNA11

RNA Area: 89.8 RNA Integrity Number (RIN): 5.8 (B.02.08)
RNA Concentration: 357 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 5.80

Fragment table for sample 2 : QC313 RNA11

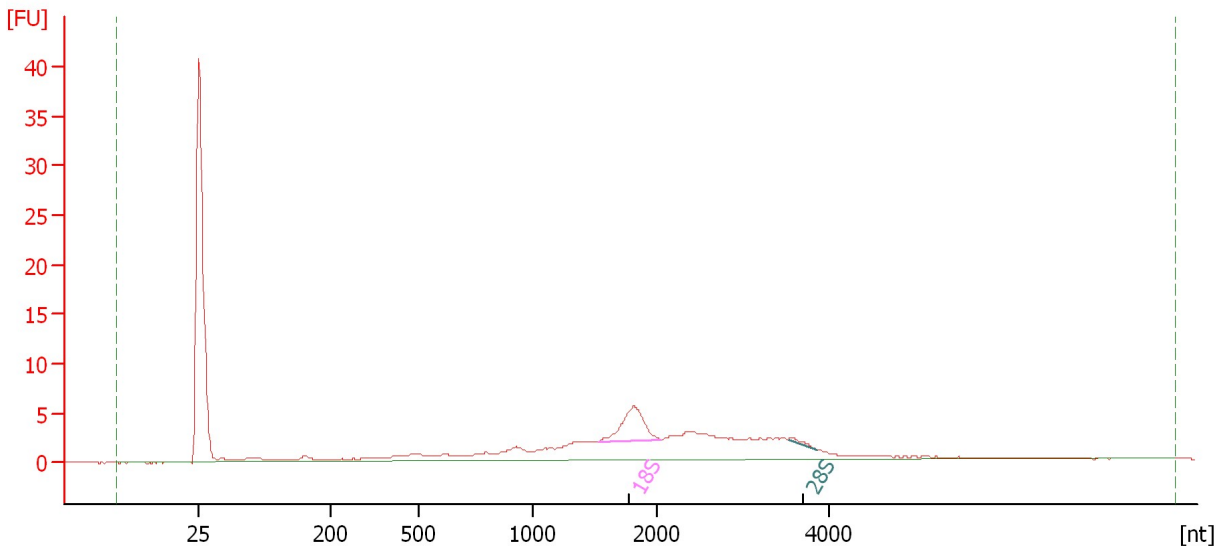
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,097	1,946	11.8	13.1
28S	2,994	3,418	0.9	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...

QC313_RNA12



Overall Results for sample 3 : QC313 RNA12

RNA Area: 92.4 RNA Integrity Number (RIN): 5.1 (B.02.08)
RNA Concentration: 367 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 5.10

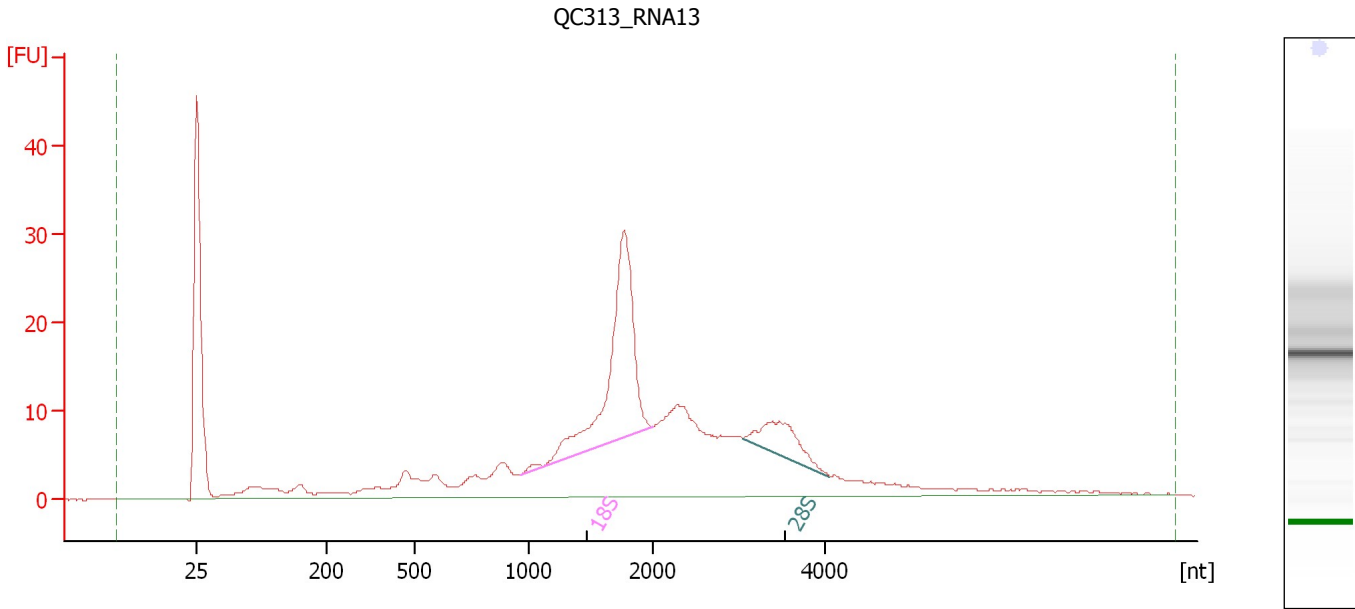
Fragment table for sample 3 : QC313 RNA12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,529	2,036	9.0	9.8
28S	3,513	3,849	0.5	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC313 RNA13

RNA Area:	359.0	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,427 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 7.80

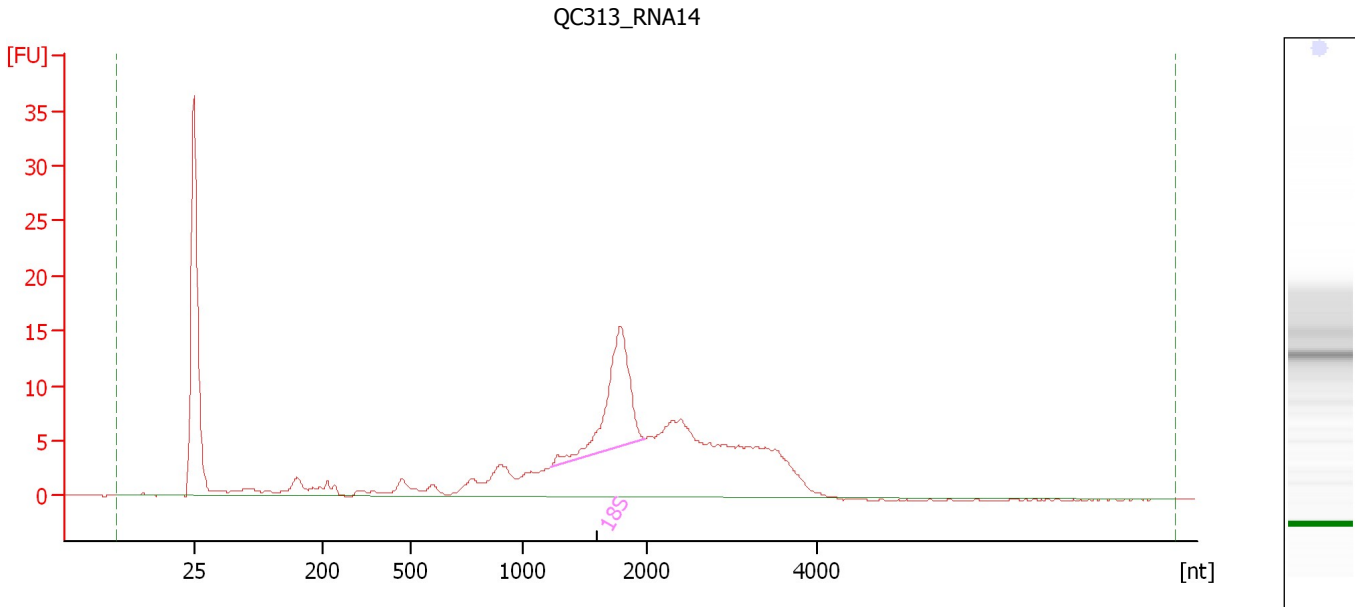
Fragment table for sample 4 : QC313 RNA13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	959	1,989	70.3	19.6
28S	3,032	4,054	15.3	4.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
 Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC313 RNA14

RNA Area:	194.1	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	772 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

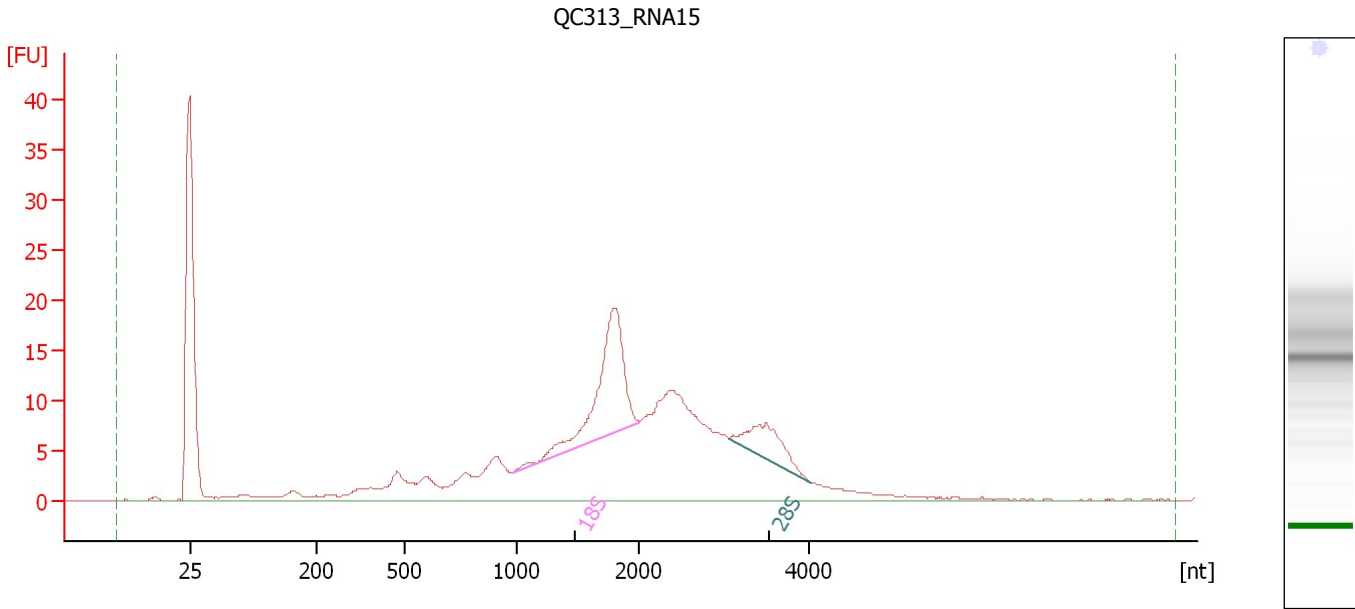
Fragment table for sample 5 : QC313 RNA14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,218	1,979	31.1	16.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC313 RNA15

RNA Area:	312.0	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	1,240 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.40

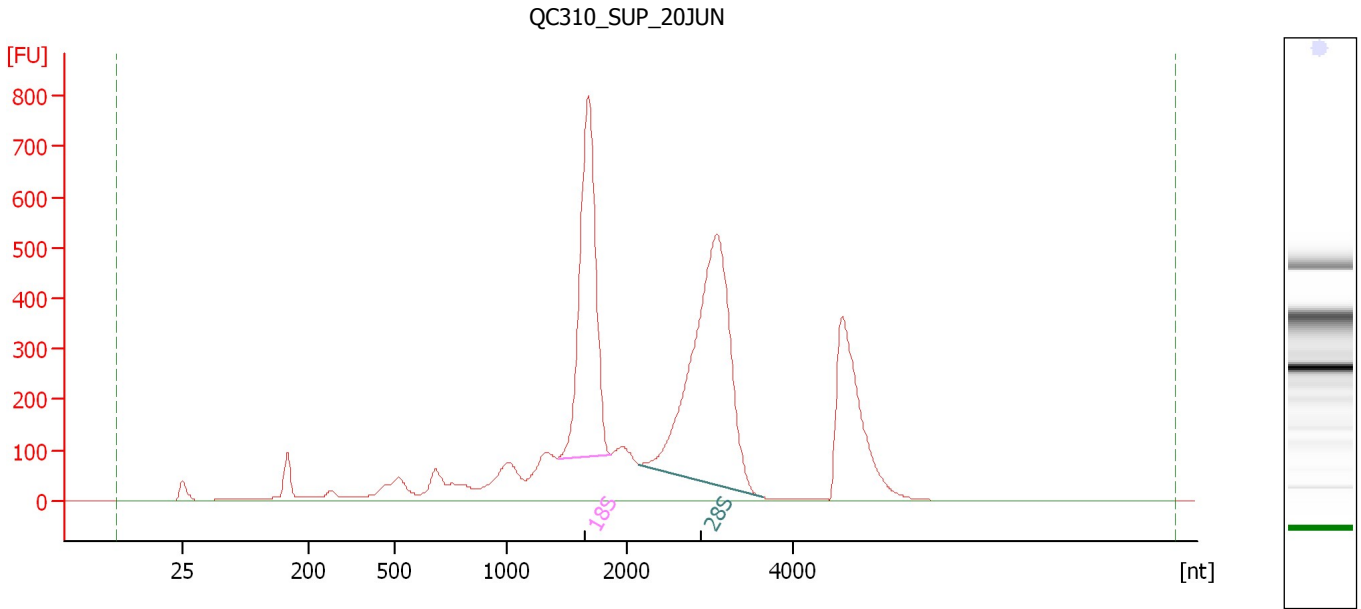
Fragment table for sample 6 : QC313 RNA15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	980	2,003	40.4	13.0
28S	3,066	4,040	12.8	4.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
 Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC310 SUP 20JUN

RNA Area:	7,105.5	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	28,241 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.90

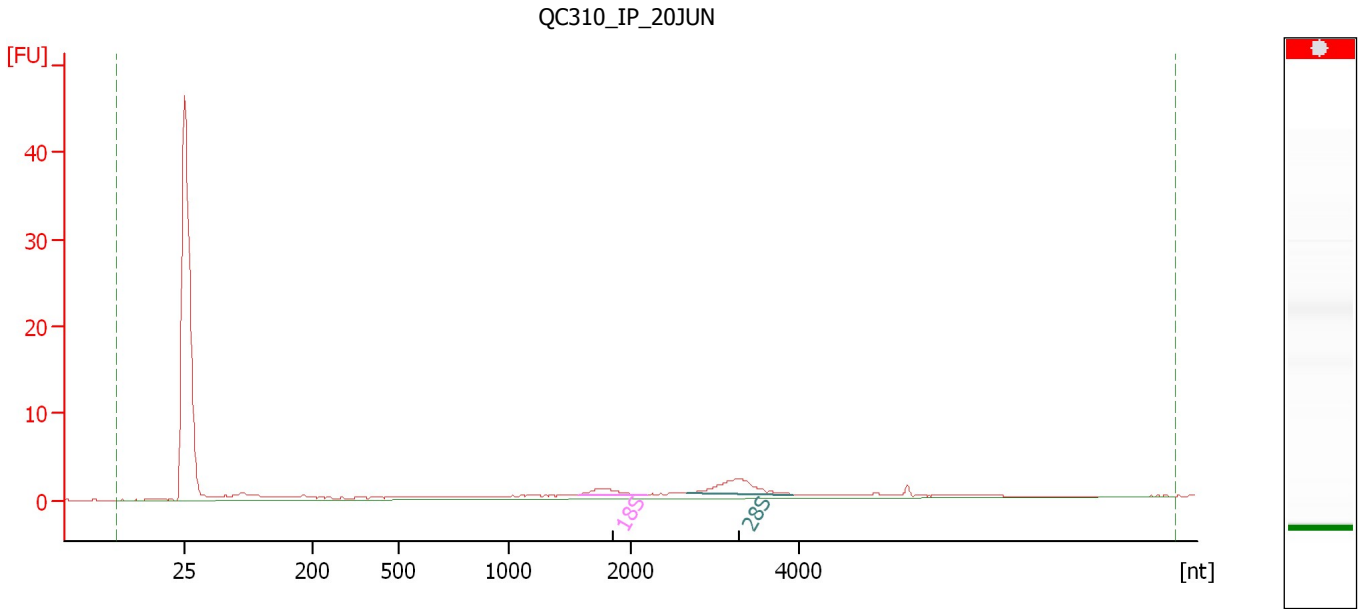
Fragment table for sample 7 : QC310 SUP 20JUN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,432	1,874	1,462.2	20.6
28S	2,150	3,638	2,134.2	30.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC310 IP 20JUN

RNA Area: 42.8 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 170 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 3.1 Result Flagging Label: RIN N/A

Fragment table for sample 8 : QC310 IP 20JUN

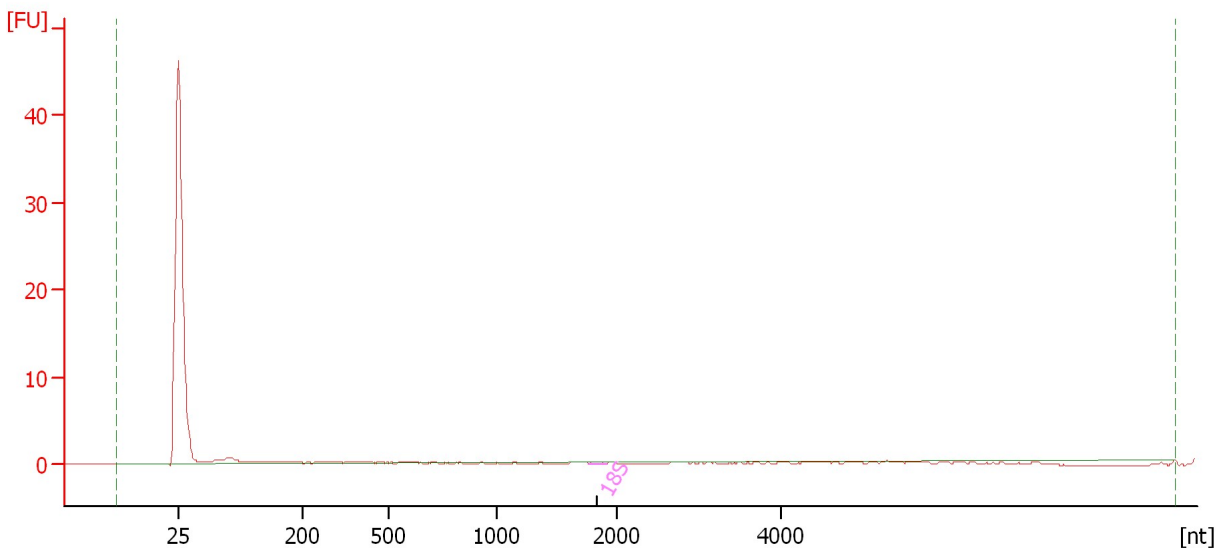
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	2,177	2.3	5.3
28S	2,675	3,926	7.0	16.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	5.3	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	21 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

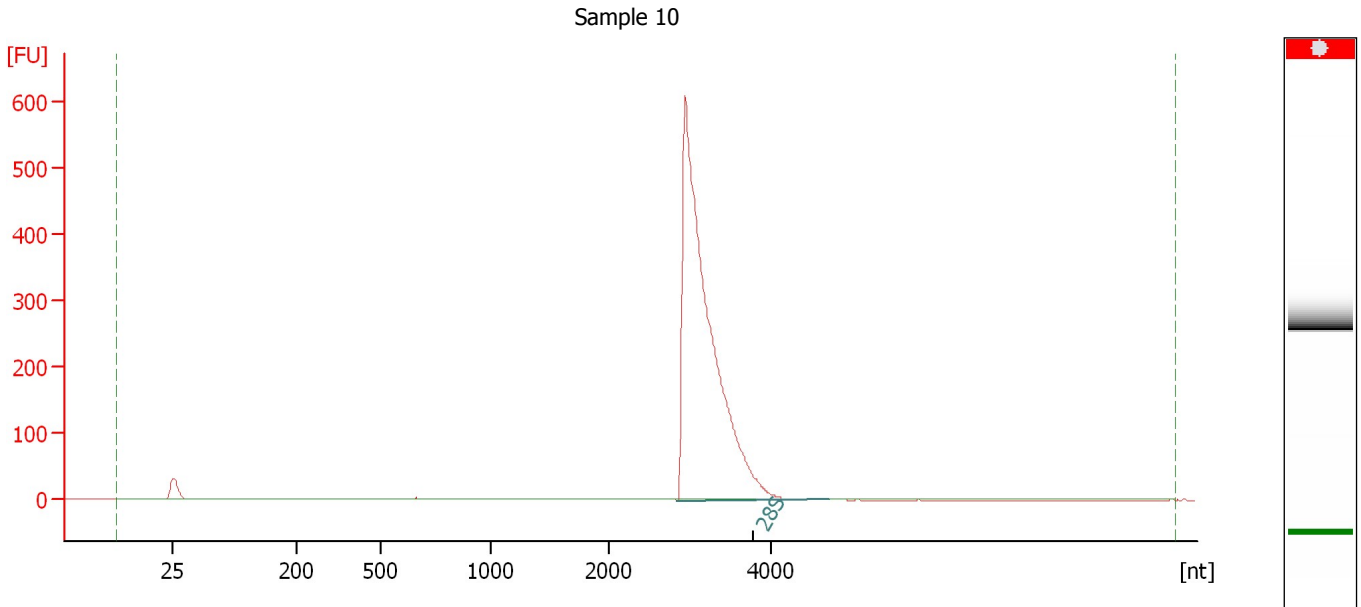
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,770	1,913	0.2	3.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
 Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	1,859.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7,391 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 10 : Sample 10

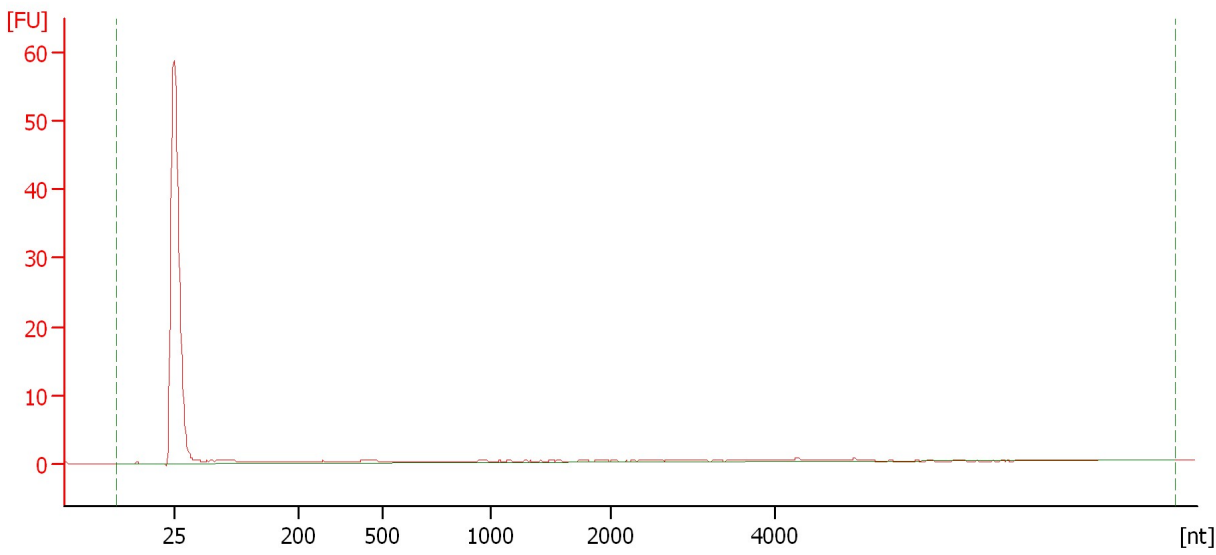
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,837	4,708	1,839.3	98.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	23.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	91 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-07\2018-08-07_001.xad

Created: 8/7/2018 2:40:24 PM
Modified: 8/7/2018 3:03:21 PM

Gel Image

