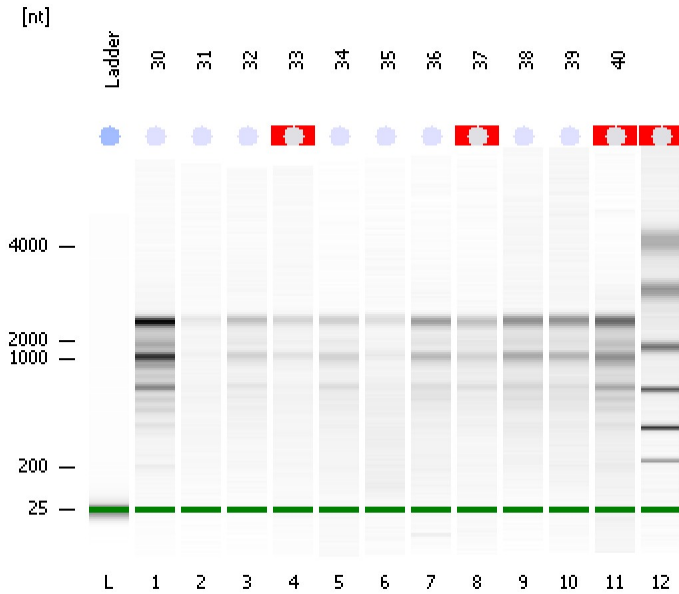


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electrophoresis File Run Summary



Instrument Information:

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

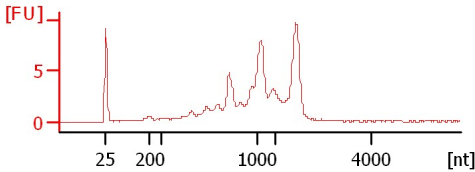
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

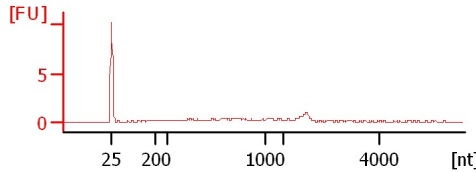
Chip Information:

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

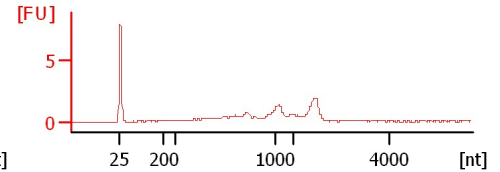
HiSeq1420 RNA QC 30
RIN: 5.60



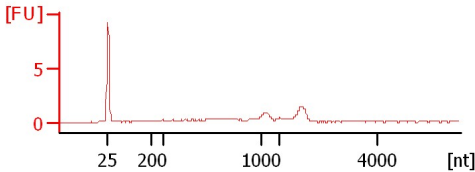
HiSeq1420 RNA QC 31
RIN: 1



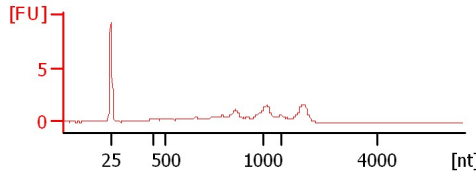
HiSeq1420 RNA QC 32
RIN: 3.90



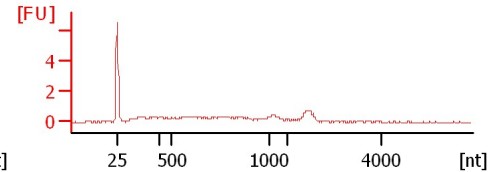
HiSeq1420 RNA QC 33
RIN N/A



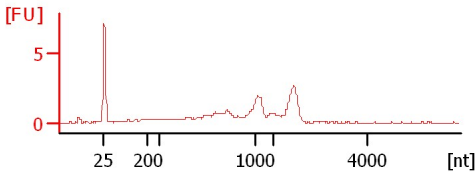
HiSeq1420 RNA QC 34
RIN: 2.70



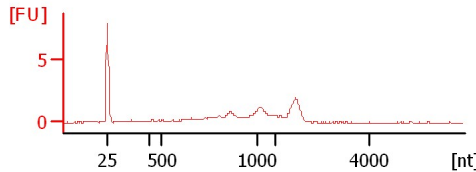
HiSeq1420 RNA QC 35
RIN: 1.40



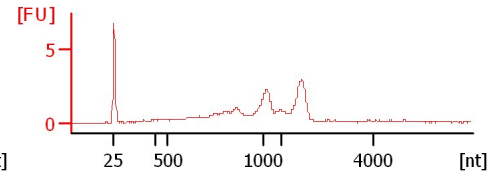
HiSeq1420 RNA QC 36
RIN: 7.40



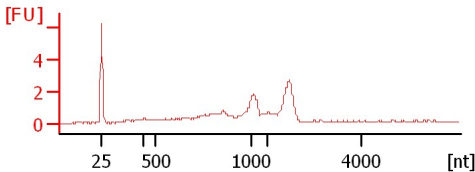
HiSeq1420 RNA QC 37
RIN N/A



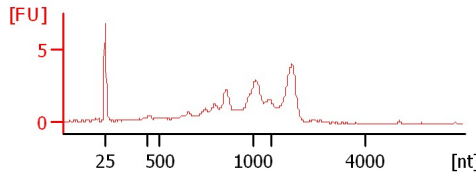
HiSeq1420 RNA QC 38
RIN: 7.60



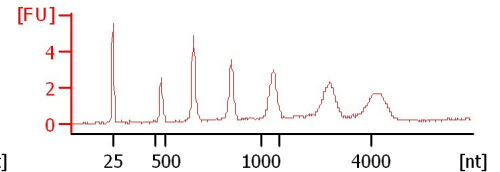
HiSeq1420 RNA QC 39
RIN: 7.90



HiSeq1420 RNA QC 40
RIN N/A



RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
 Modified: 6/22/2018 4:32:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
30	HiSeq1420 RNA QC	✓	RIN: 5.60	
31	HiSeq1420 RNA QC	✓	RIN:1	
32	HiSeq1420 RNA QC	✓	RIN: 3.90	
33	HiSeq1420 RNA QC	✓	RIN N/A	
34	HiSeq1420 RNA QC	✓	RIN: 2.70	
35	HiSeq1420 RNA QC	✓	RIN: 1.40	
36	HiSeq1420 RNA QC	✓	RIN: 7.40	
37	HiSeq1420 RNA QC	✓	RIN N/A	
38	HiSeq1420 RNA QC	✓	RIN: 7.60	
39	HiSeq1420 RNA QC	✓	RIN: 7.90	
40	HiSeq1420 RNA QC	✓	RIN N/A	
		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

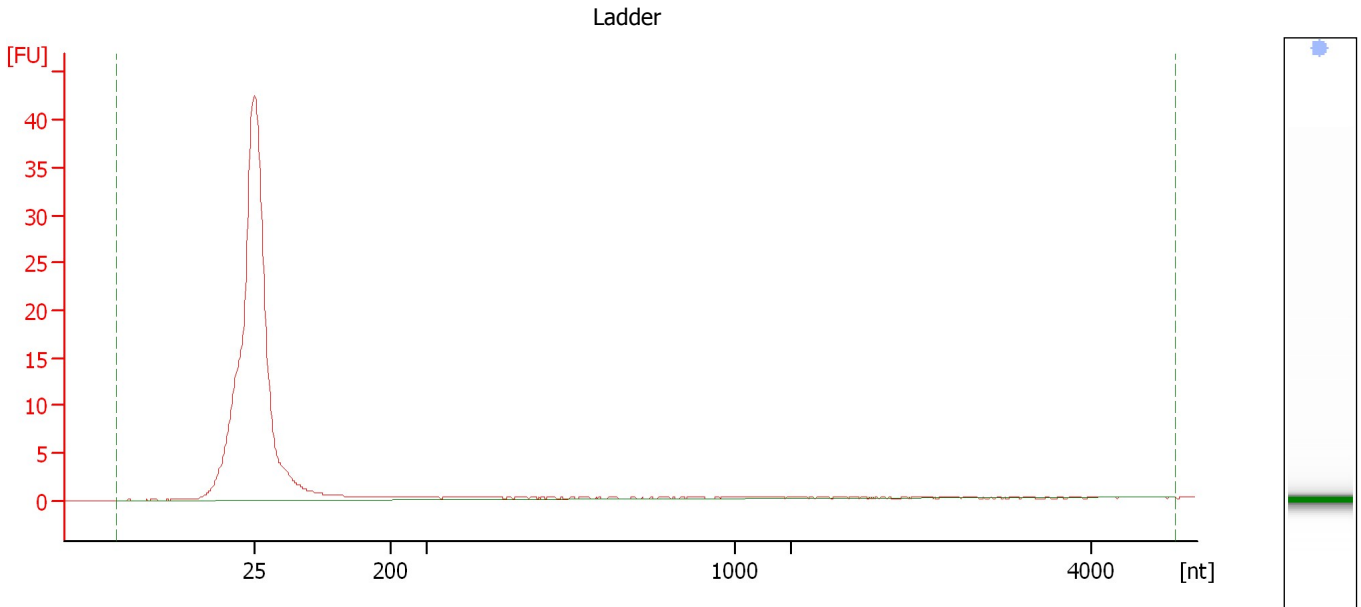
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary



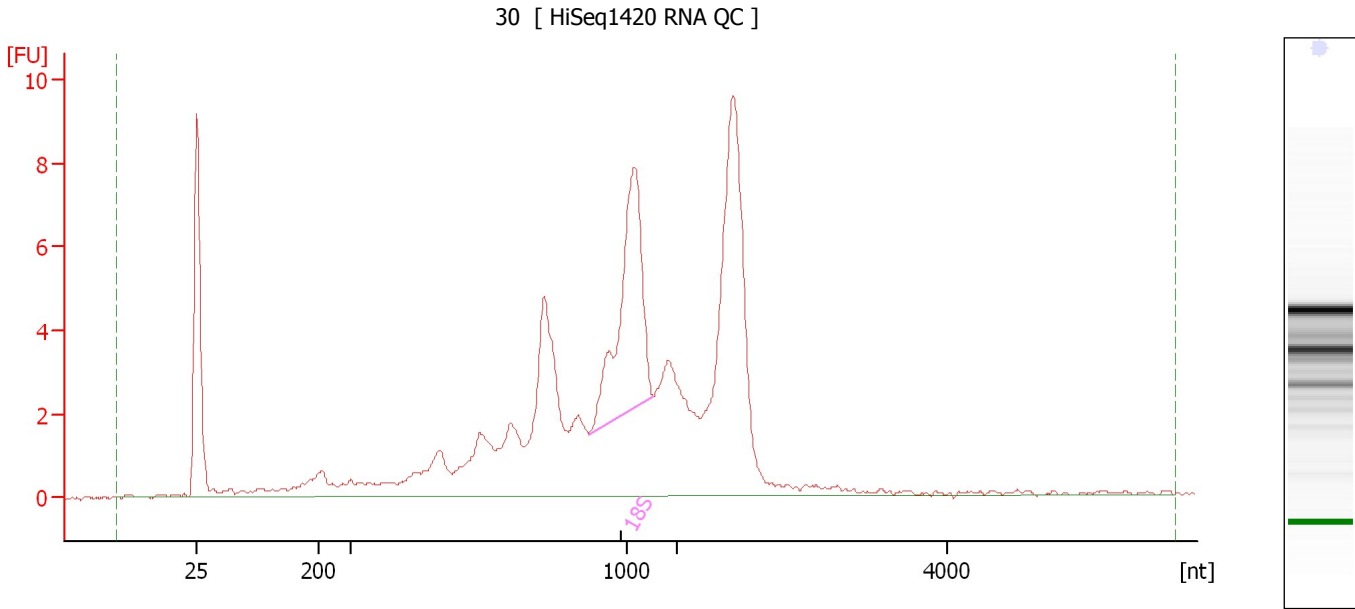
Overall Results for Ladder

RNA Area:	15.3	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 30

RNA Area:	111.2	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	1,088 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.60

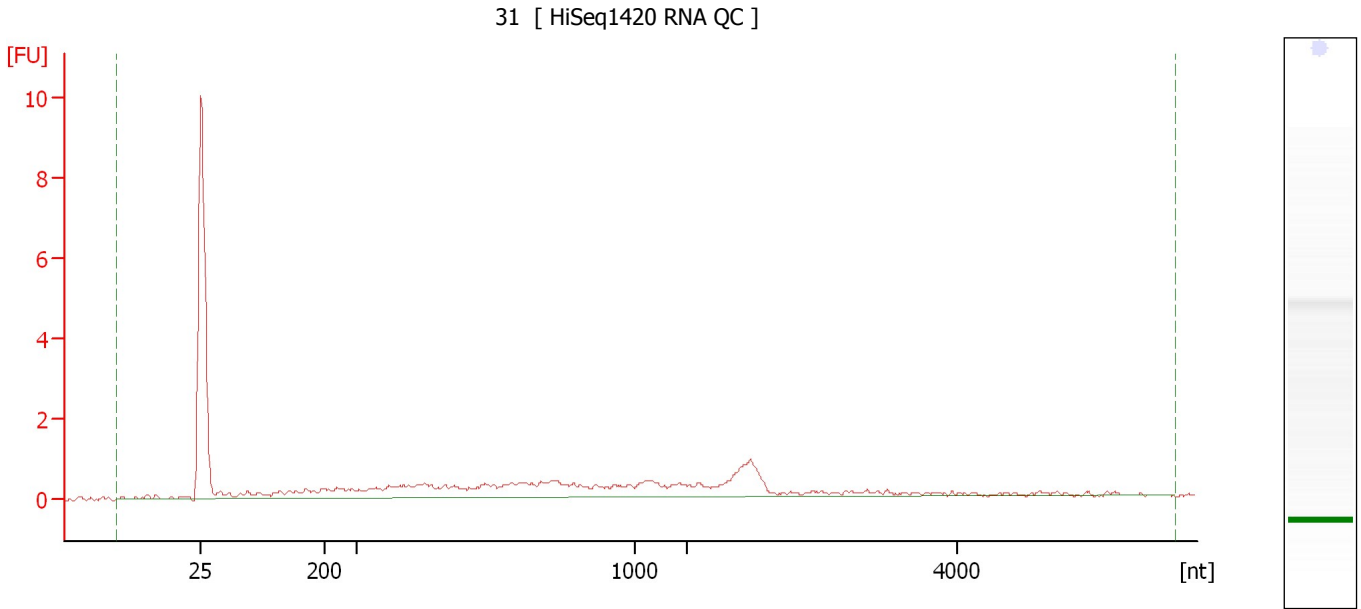
Fragment table for sample 1 : 30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	929	1,520	15.9	14.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 31

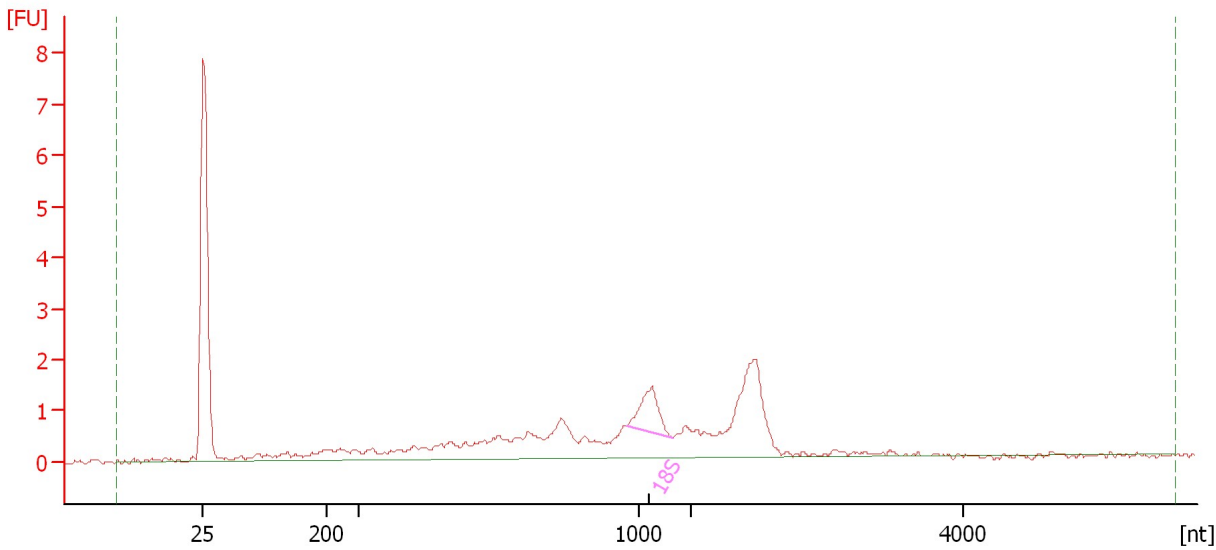
RNA Area:	23.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	229 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...

32 [HiSeq1420 RNA QC]



Overall Results for sample 3 : 32

RNA Area:	28.1	RNA Integrity Number (RIN):	3.9 (B.02.08)
RNA Concentration:	275 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.90

Fragment table for sample 3 : 32

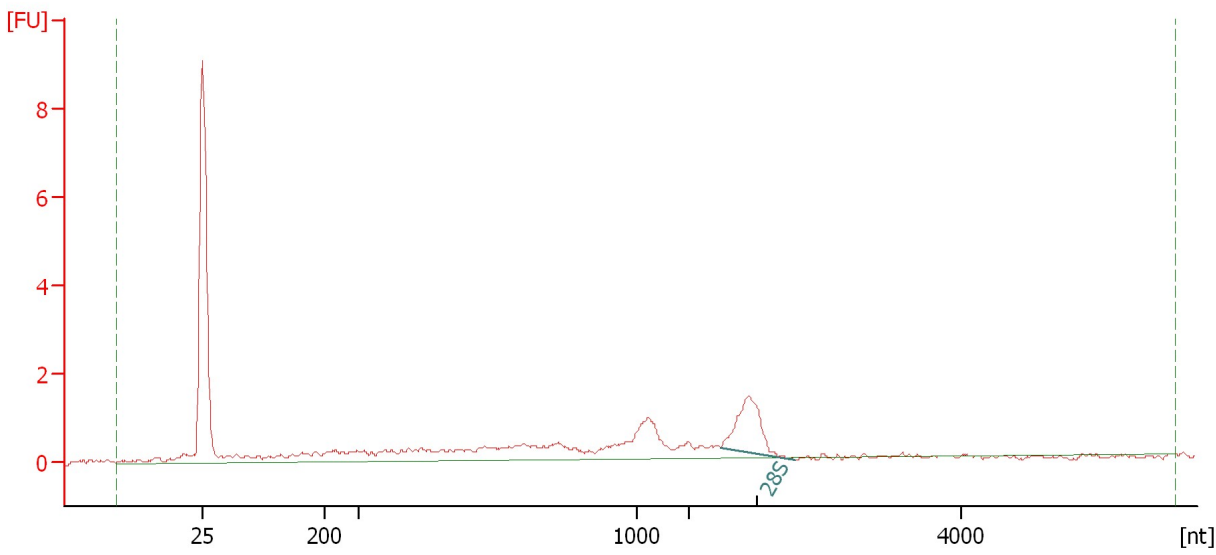
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	978	1,655	1.9	6.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...

33 [HiSeq1420 RNA QC]



Overall Results for sample 4 : 33

RNA Area:	21.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	209 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

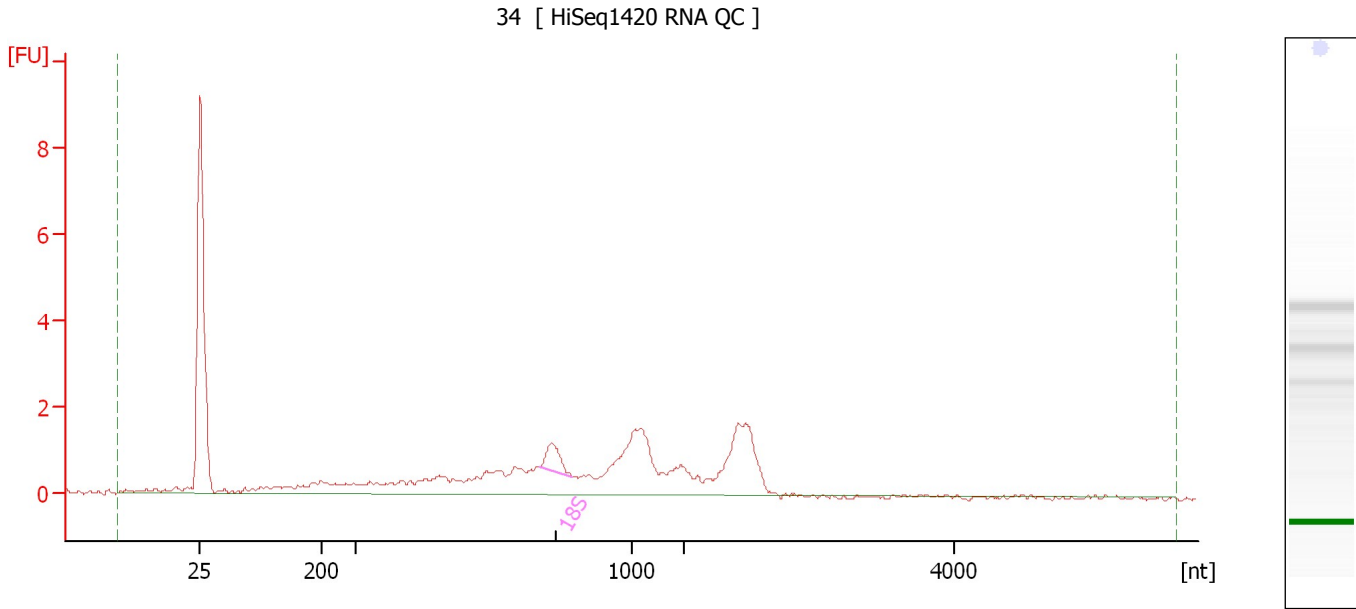
Fragment table for sample 4 : 33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,238	2,781	3.3	15.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 34

RNA Area:	33.9	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	332 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Fragment table for sample 5 : 34

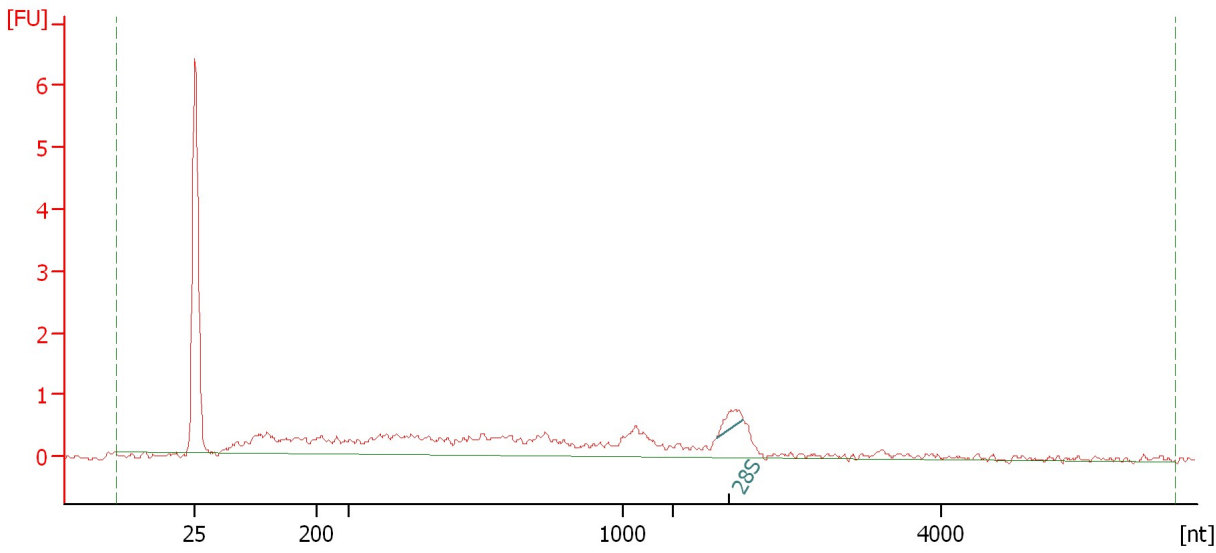
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	834	891	1.2	3.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...

35 [HiSeq1420 RNA QC]



Overall Results for sample 6 : 35

RNA Area:	19.6	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	192 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

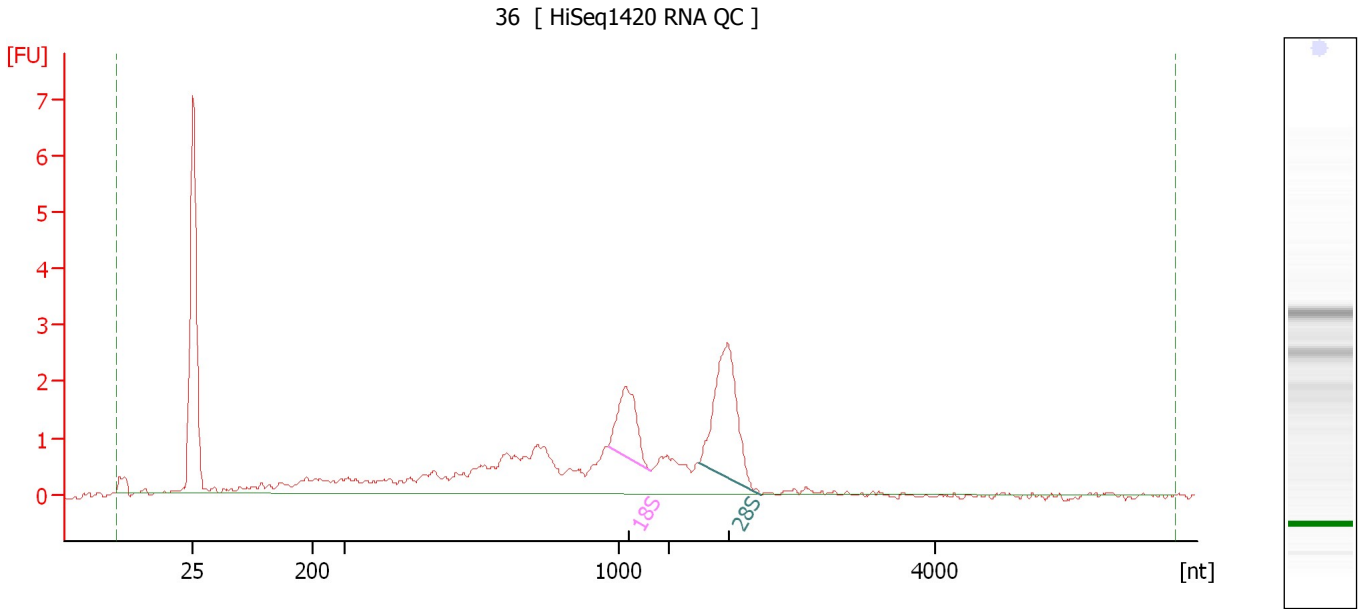
Fragment table for sample 6 : 35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,320	2,519	0.5	2.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 36

RNA Area:	34.0	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	333 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 7.40

Fragment table for sample 7 : 36

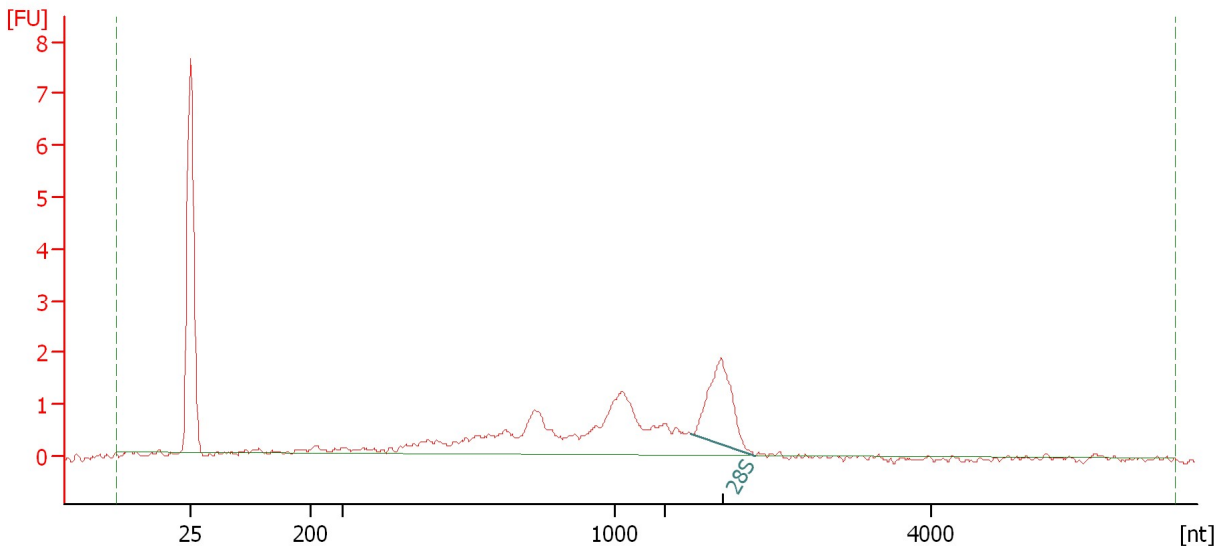
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	980	1,619	2.9	8.6
28S	2,225	2,681	6.0	17.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...

37 [HiSeq1420 RNA QC]



Overall Results for sample 8 : 37

RNA Area:	23.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	231 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

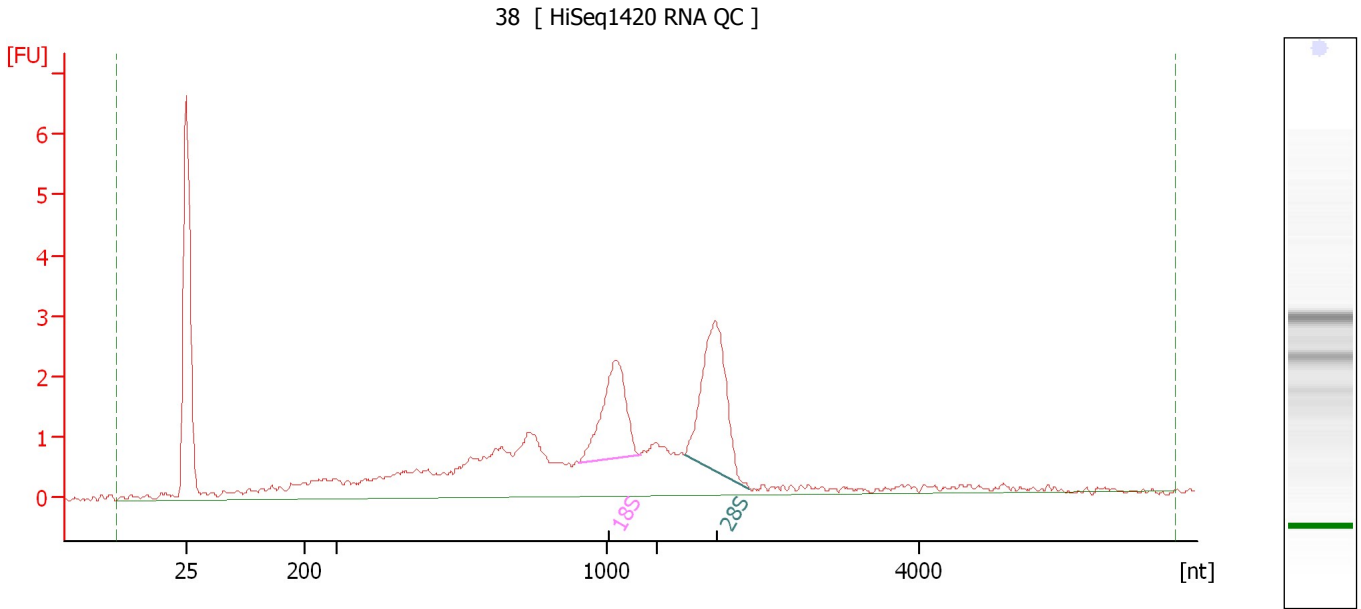
Fragment table for sample 8 : 37

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,201	2,676	4.4	18.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 38

RNA Area:	46.1	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	451 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.60

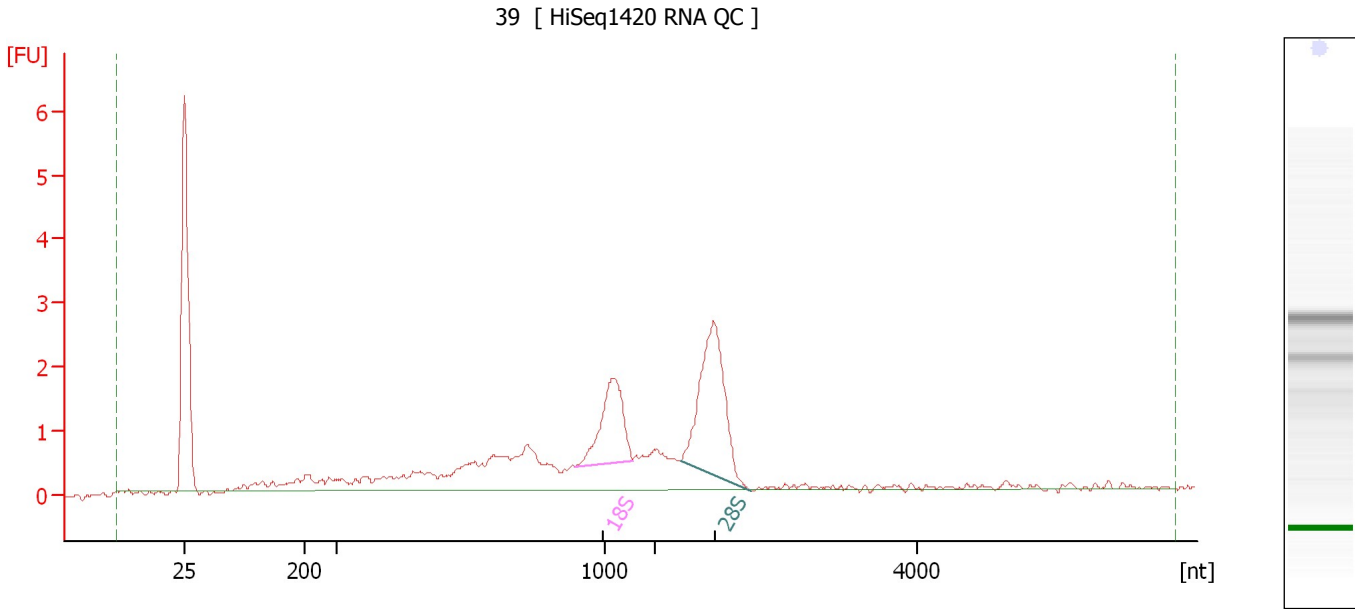
Fragment table for sample 9 : 38

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	949	1,675	4.8	10.5
28S	2,210	2,705	6.9	15.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 39

RNA Area:	31.9	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	312 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 7.90

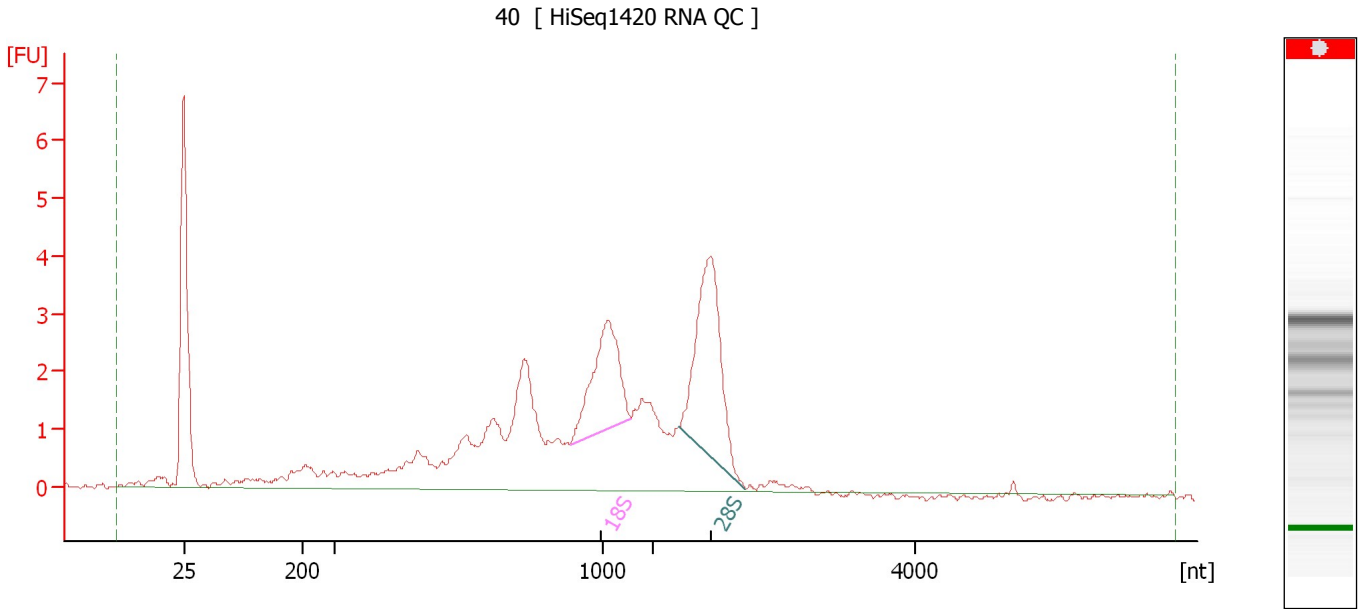
Fragment table for sample 10 : 39

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	942	1,544	3.7	11.6
28S	2,194	2,739	6.8	21.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 40

RNA Area:	60.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	596 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN N/A

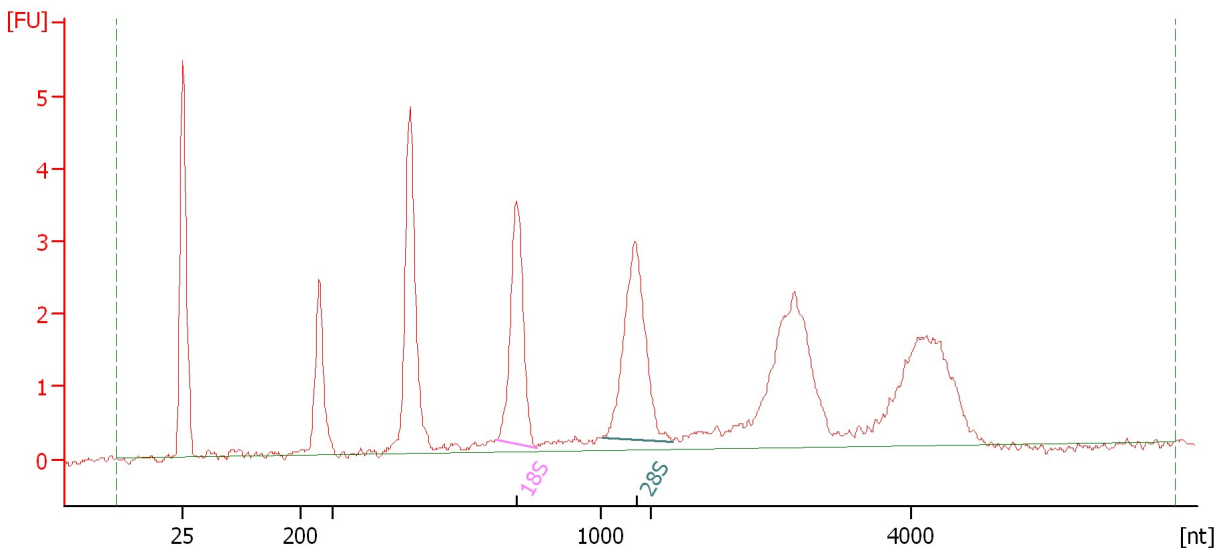
Fragment table for sample 11 : 40

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	938	1,564	6.2	10.3
28S	2,202	2,708	9.7	15.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 :

RNA Area:	48.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	475 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN N/A

Fragment table for sample 12 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	806	878	6.0	12.3
28S	1,020	2,170	7.1	14.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15_005.xad

Created: 6/15/2018 3:49:45 PM
Modified: 6/22/2018 4:32:12 PM

Gel Image

