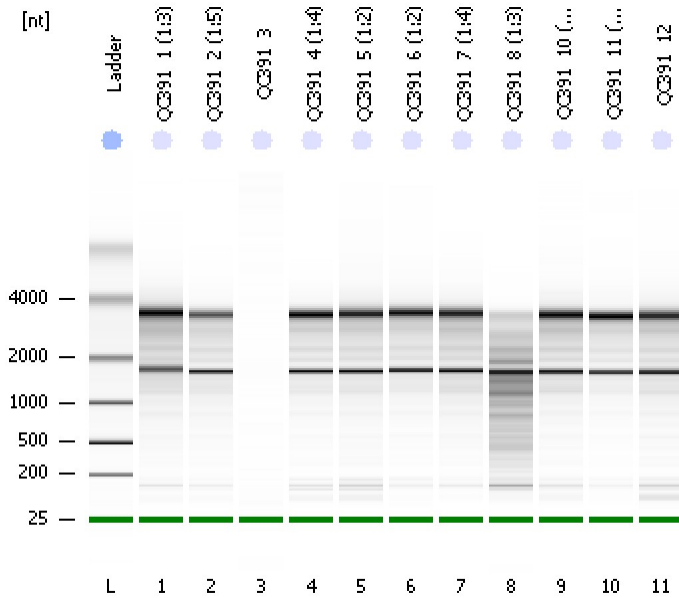


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 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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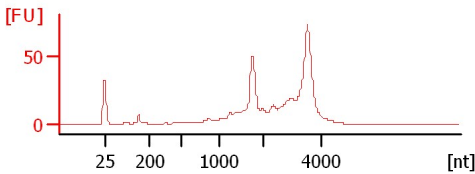
Chip Information:

Chip Lot #:

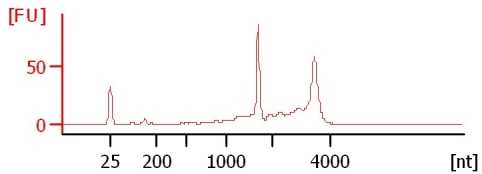
Reagent Kit Lot #:

Chip Comments:

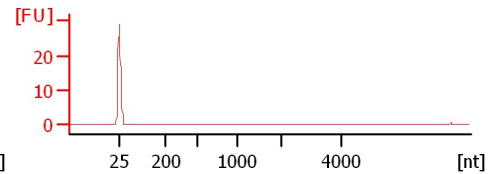
QC391_1 (1:3)
RIN: 8.40



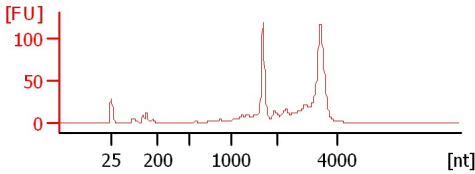
QC391_2 (1:5)
RIN: 8.20



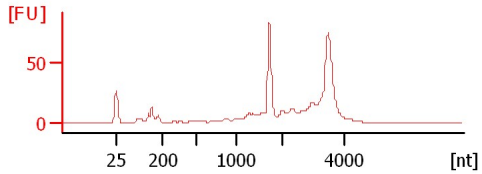
QC391_3
RIN: 1



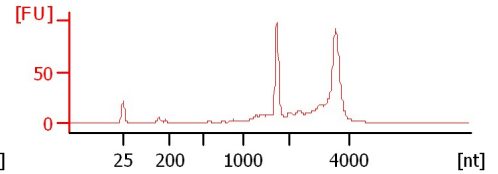
QC391_4 (1:4)
RIN: 8.50



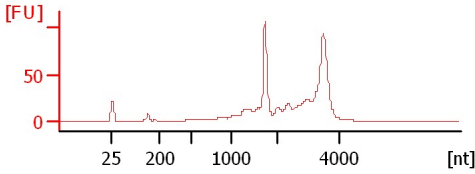
QC391_5 (1:2)
RIN: 8.90



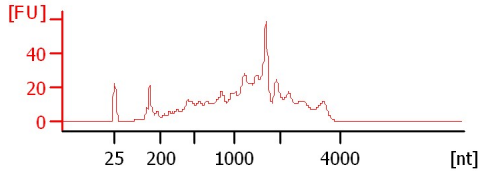
QC391_6 (1:2)
RIN: 9



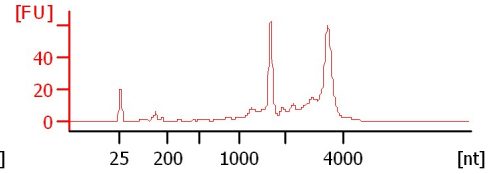
QC391_7 (1:4)
RIN: 8.90



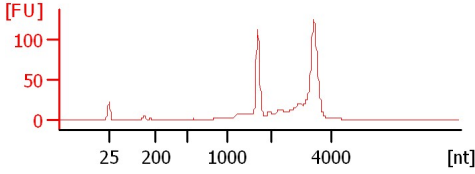
QC391_8 (1:3)
RIN: 4.20



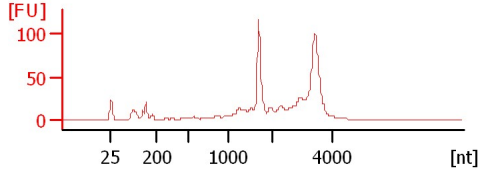
QC391_10 (1:2)
RIN: 8.50



QC391_11 (1:4)
RIN: 9.20



QC391_12
RIN: 8



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC391_1 (1:3)		✓	RIN: 8.40	
QC391_2 (1:5)		✓	RIN: 8.20	
QC391_3		✓	RIN:1	
QC391_4 (1:4)		✓	RIN: 8.50	
QC391_5 (1:2)		✓	RIN: 8.90	
QC391_6 (1:2)		✓	RIN:9	
QC391_7 (1:4)		✓	RIN: 8.90	
QC391_8 (1:3)		✓	RIN: 4.20	
QC391_10 (1:2)		✓	RIN: 8.50	
QC391_11 (1:4)		✓	RIN: 9.20	
QC391_12		✓	RIN:8	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 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

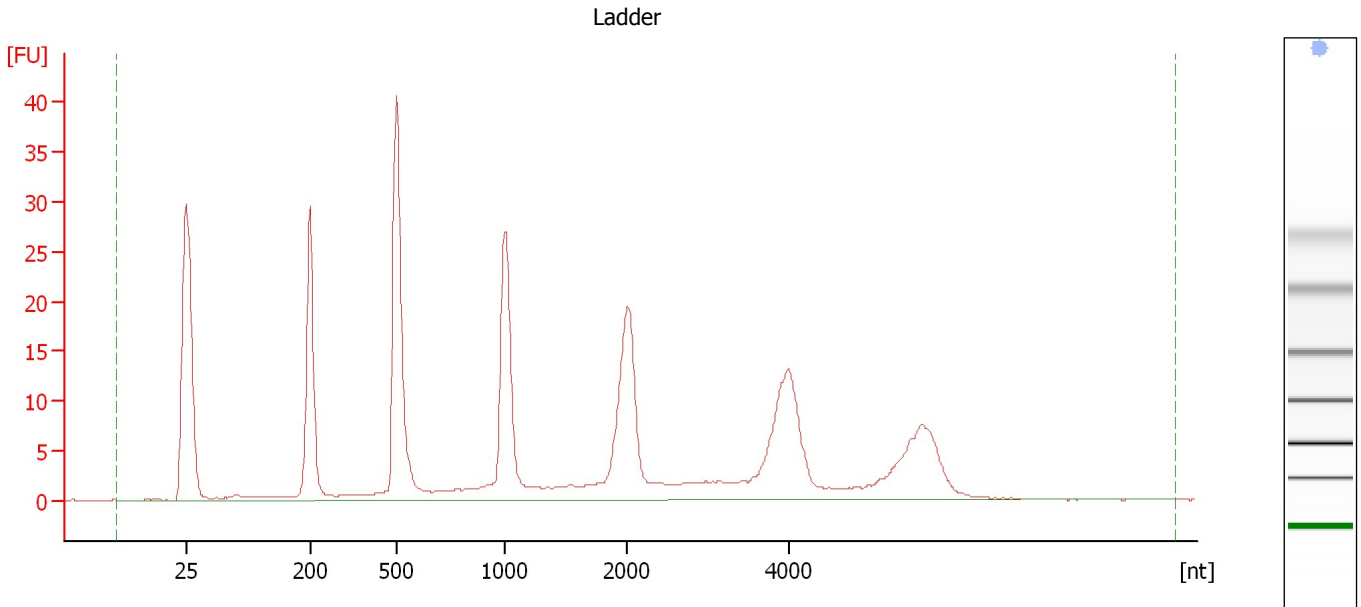
Ladder

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\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary



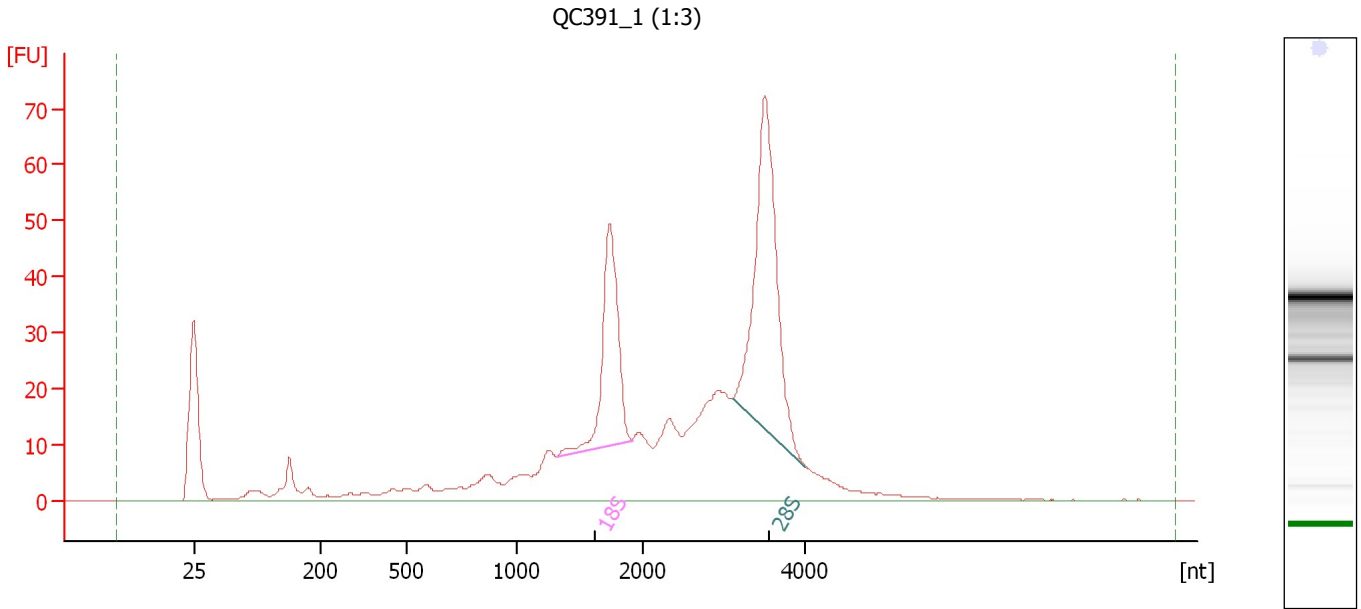
Overall Results for Ladder

RNA Area:	303.9	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\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC391_1 (1:3)

RNA Area: 655.6 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 2,157 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.40

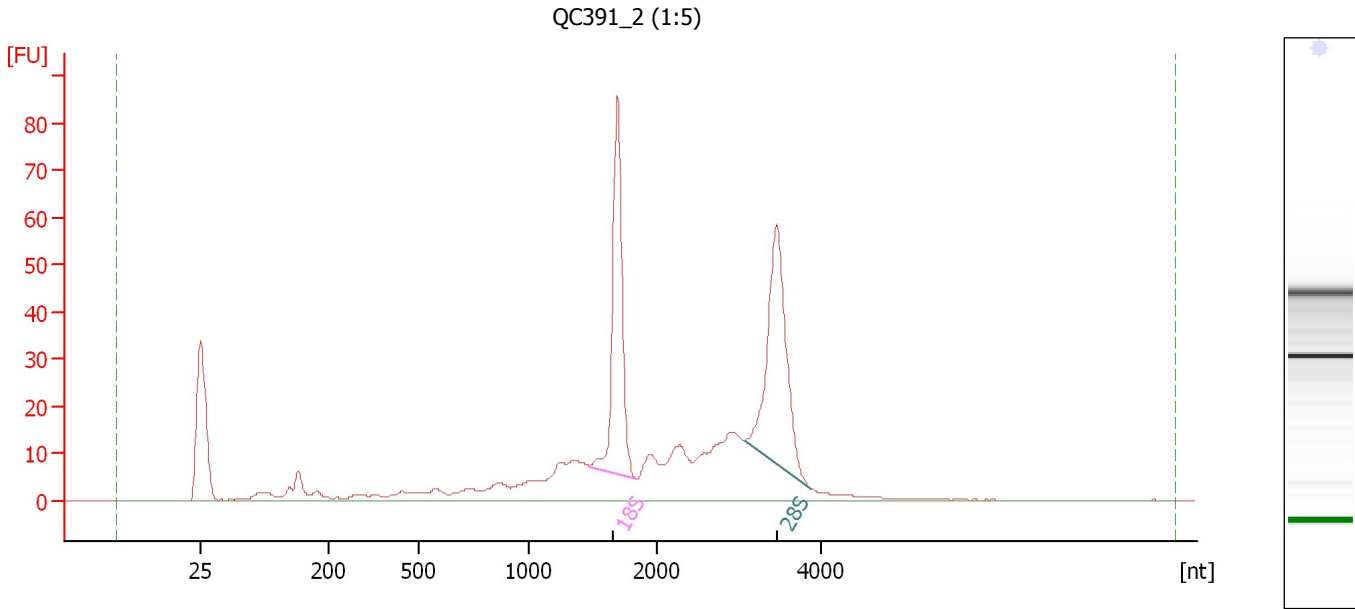
Fragment table for sample 1 : QC391_1 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,311	1,919	77.1	11.8
28S	3,111	4,004	137.3	20.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC391_2 (1:5)

RNA Area: 520.5 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 1,713 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.20

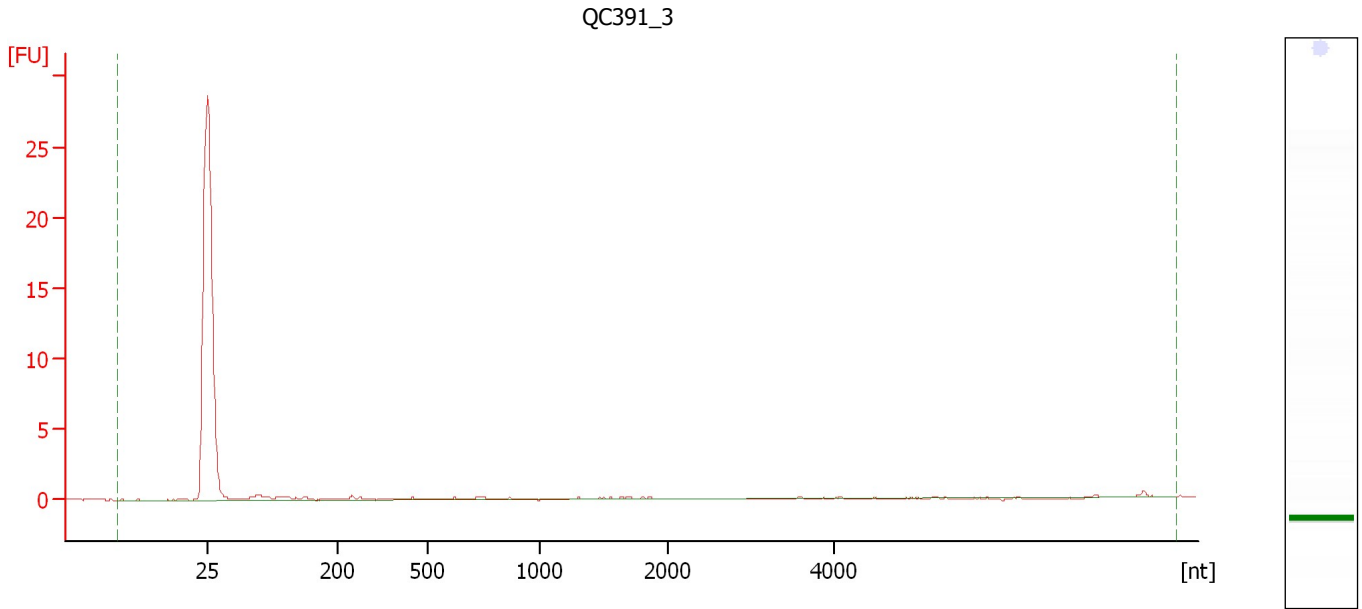
Fragment table for sample 2 : QC391_2 (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,470	1,842	92.3	17.7
28S	3,064	3,866	100.8	19.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



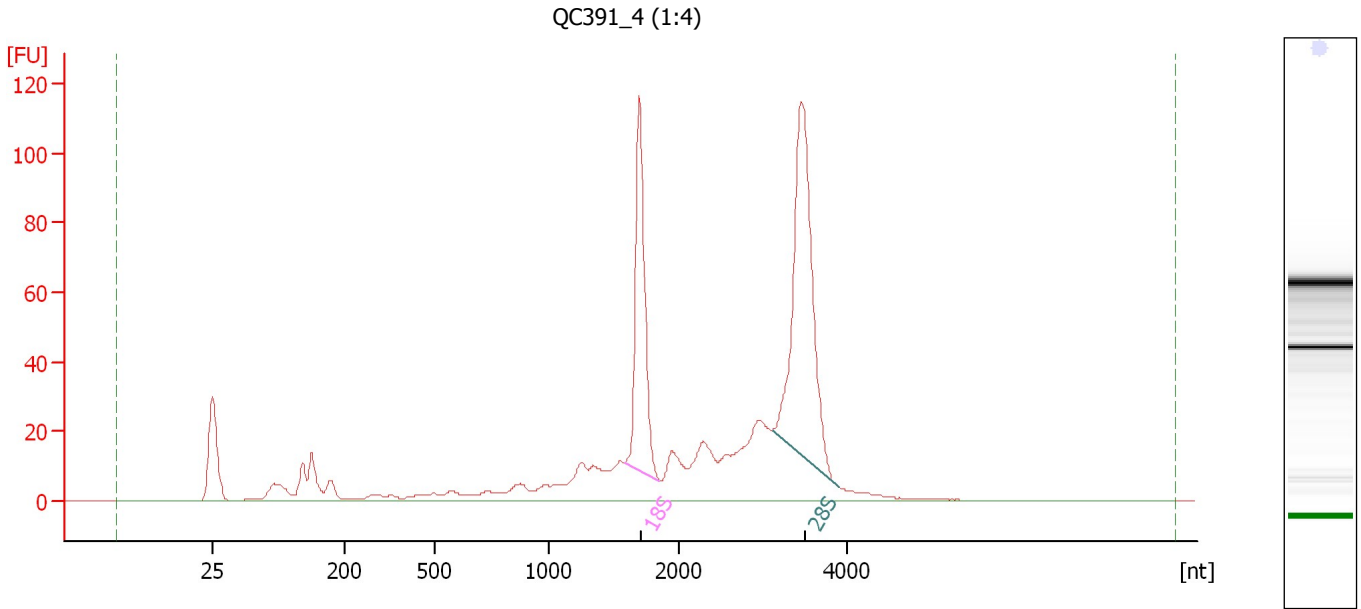
Overall Results for sample 3 : QC391_3

RNA Area:	5.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	18 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\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC391_4 (1:4)

RNA Area: 791.1 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 2,603 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.50

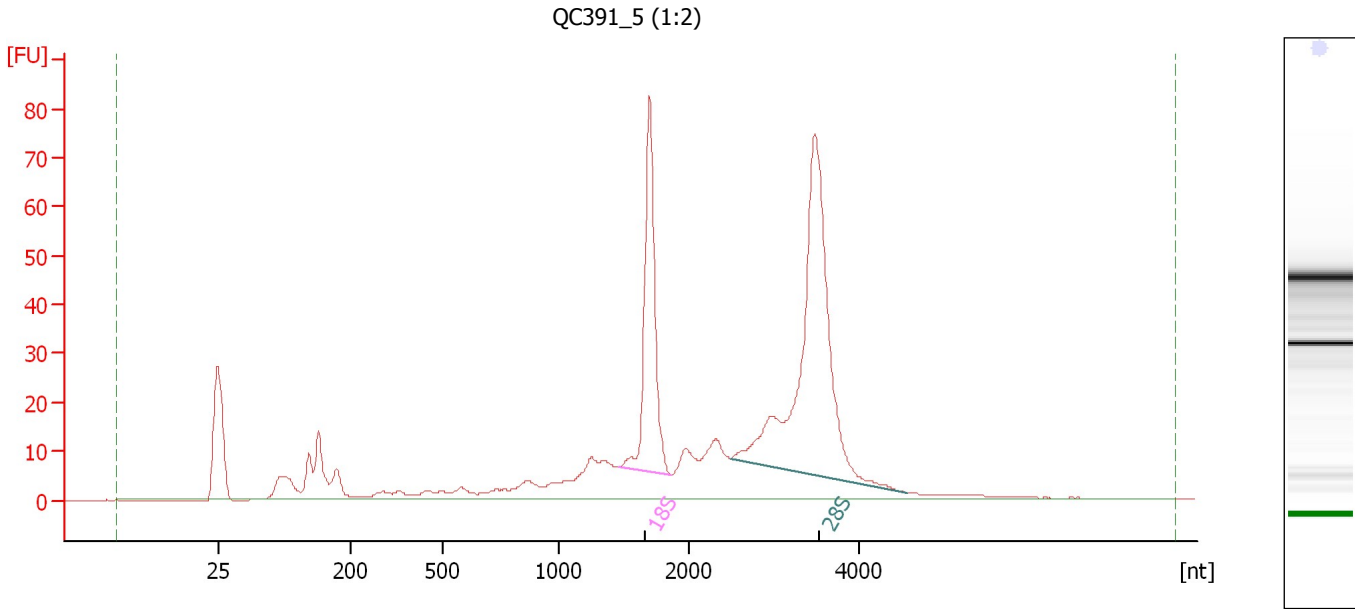
Fragment table for sample 4 : QC391_4 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,854	121.7	15.4
28S	3,103	3,899	201.9	25.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
 Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC391_5 (1:2)

RNA Area:	610.9	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	2,010 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.90

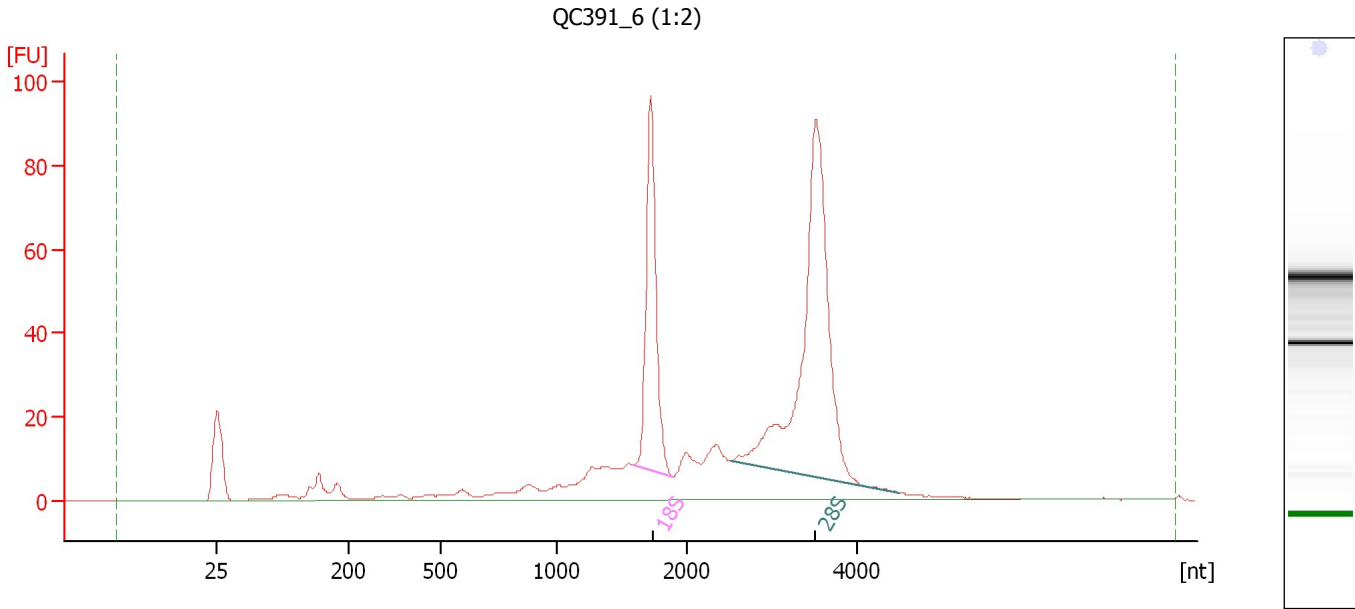
Fragment table for sample 5 : QC391_5 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,467	1,867	94.2	15.4
28S	2,484	4,548	198.1	32.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC391_6 (1:2)

RNA Area: 636.7 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 2,095 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:9

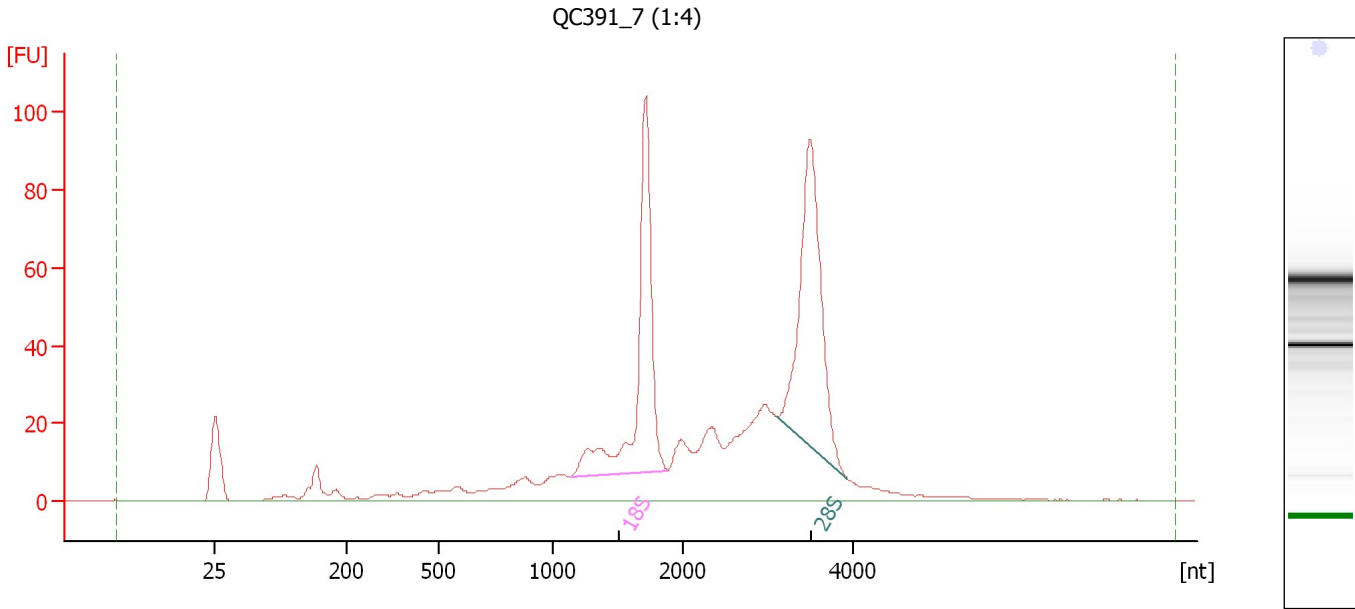
Fragment table for sample 6 : QC391_6 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,891	107.1	16.8
28S	2,522	4,490	229.0	36.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC391_7 (1:4)

RNA Area: 796.3 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 2,621 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.90

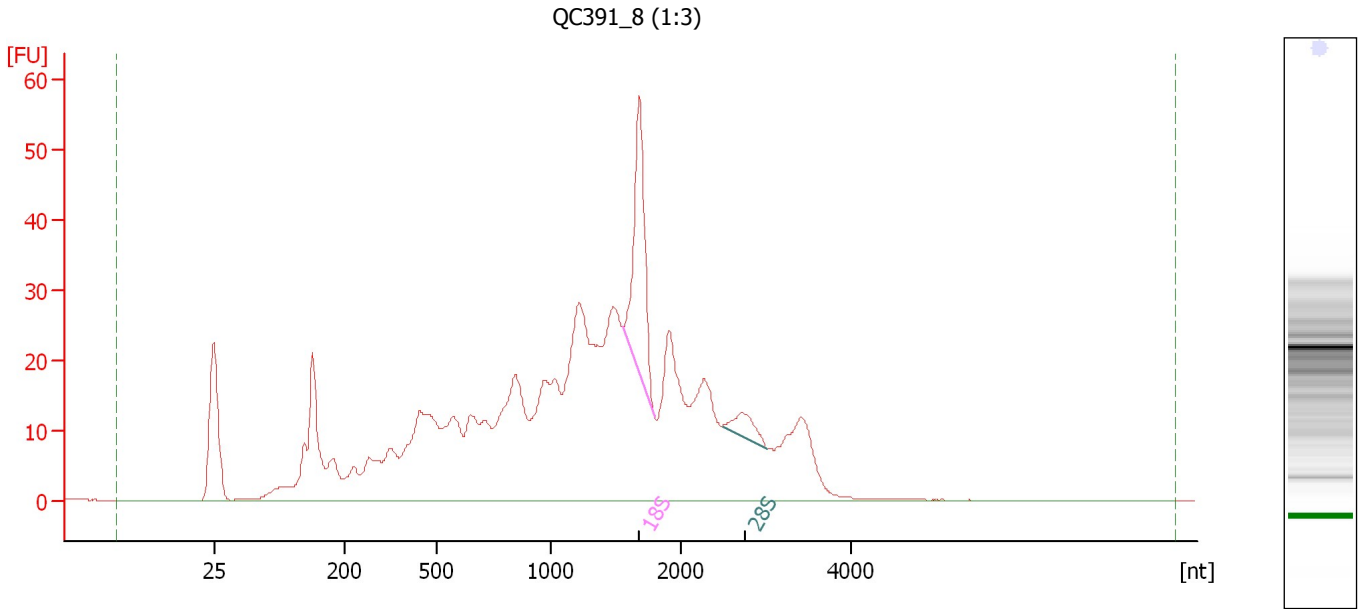
Fragment table for sample 7 : QC391_7 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,133	1,880	160.2	20.1
28S	3,101	3,944	173.7	21.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC391_8 (1:3)

RNA Area: 842.6 RNA Integrity Number (RIN): 4.2 (B.02.08)
RNA Concentration: 2,773 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 4.20

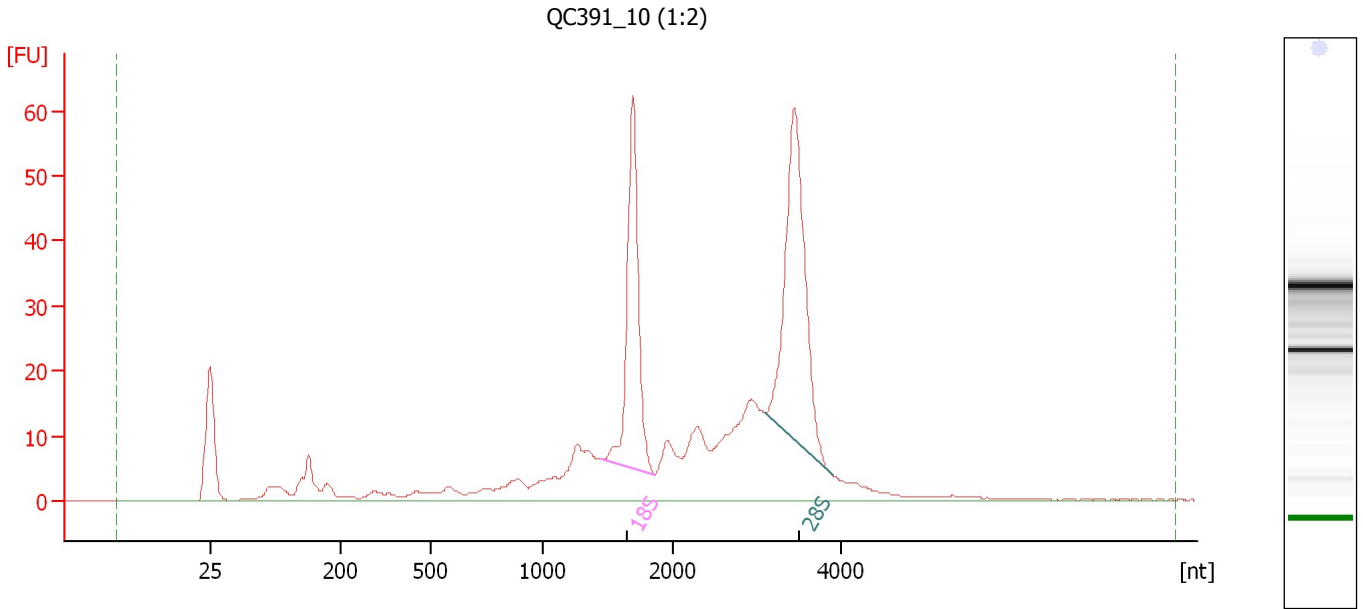
Fragment table for sample 8 : QC391_8 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,797	51.1	6.1
28S	2,496	3,026	8.1	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC391 10 (1:2)

RNA Area: 497.5 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 1,637 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.50

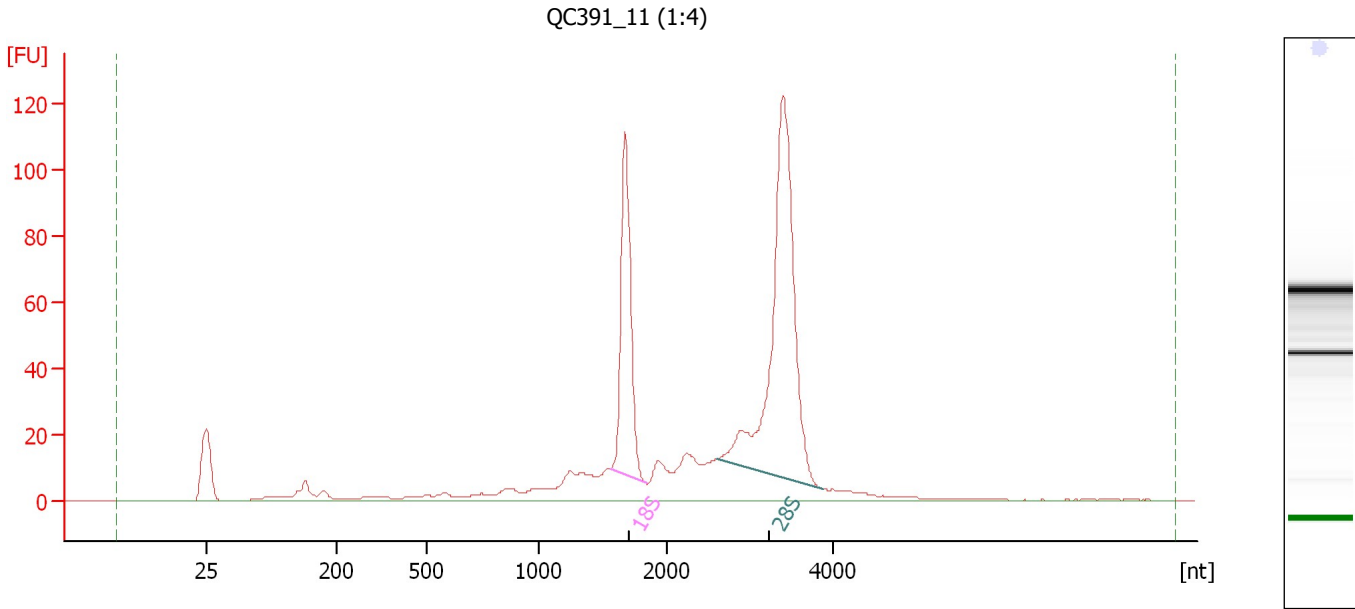
Fragment table for sample 9 : QC391 10 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,436	1,859	78.5	15.8
28S	3,094	3,908	106.9	21.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC391 11 (1:4)

RNA Area: 723.1 RNA Integrity Number (RIN): 9.2 (B.02.08)
RNA Concentration: 2,379 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 9.20

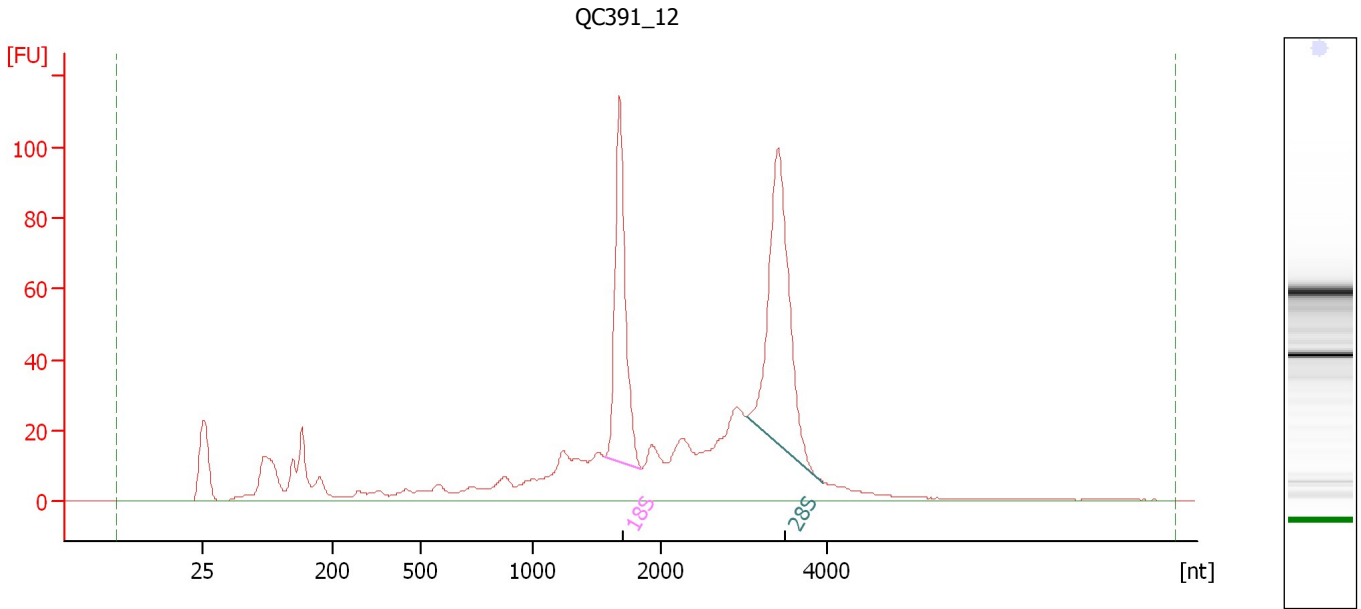
Fragment table for sample 10 : QC391 11 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	1,839	124.1	17.2
28S	2,611	3,865	270.6	37.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC391_12

RNA Area: 926.7 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 3,049 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:8

Fragment table for sample 11 : QC391_12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,852	130.6	14.1
28S	3,036	3,963	181.9	19.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-04\2019-02-04_001.xad

Created: 2/4/2019 11:38:42 AM
Modified: 2/4/2019 12:01:37 PM

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