

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...r\2100 expert\data\2018-03-02\2018-03-02_001_QC243_1of2.xad

Created: 3/2/2018 1:04:11 PM
Modified: 3/2/2018 1:25:38 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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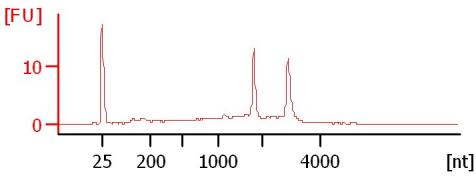
Chip Information:

Chip Lot #:

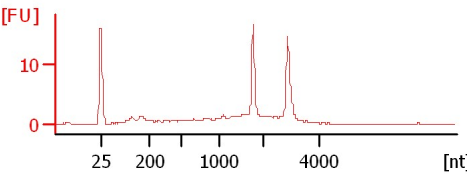
Reagent Kit Lot #:

Chip Comments:

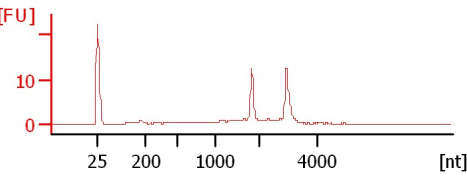
JS Pr1 1
QC 243
RIN: 6.20



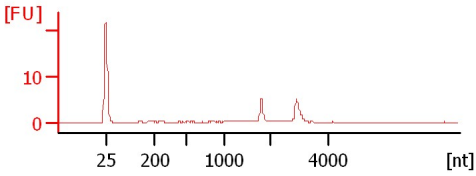
JS Pr2 2
QC 243
RIN: 6.40



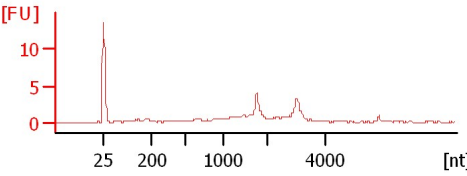
JS Mr1 3
QC 243
RIN: 6.70



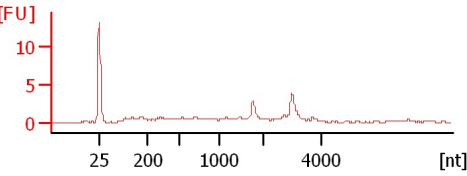
JS Mr2 4
QC 243
RIN: 6.90



JS 23 6
QC 243
RIN: 7.40



JS 49 12
QC 243
RIN: 7.10



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
JS Pr1 1	QC 243	✓	RIN: 6.20	
JS Pr2 2	QC 243	✓	RIN: 6.40	
JS Mr1 3	QC 243	✓	RIN: 6.70	
JS Mr2 4	QC 243	✓	RIN: 6.90	
JS 23 6	QC 243	✓	RIN: 7.40	
JS 49 12	QC 243	✓	RIN: 7.10	
Ladder		✓	All Other Samples	

Chip Lot #

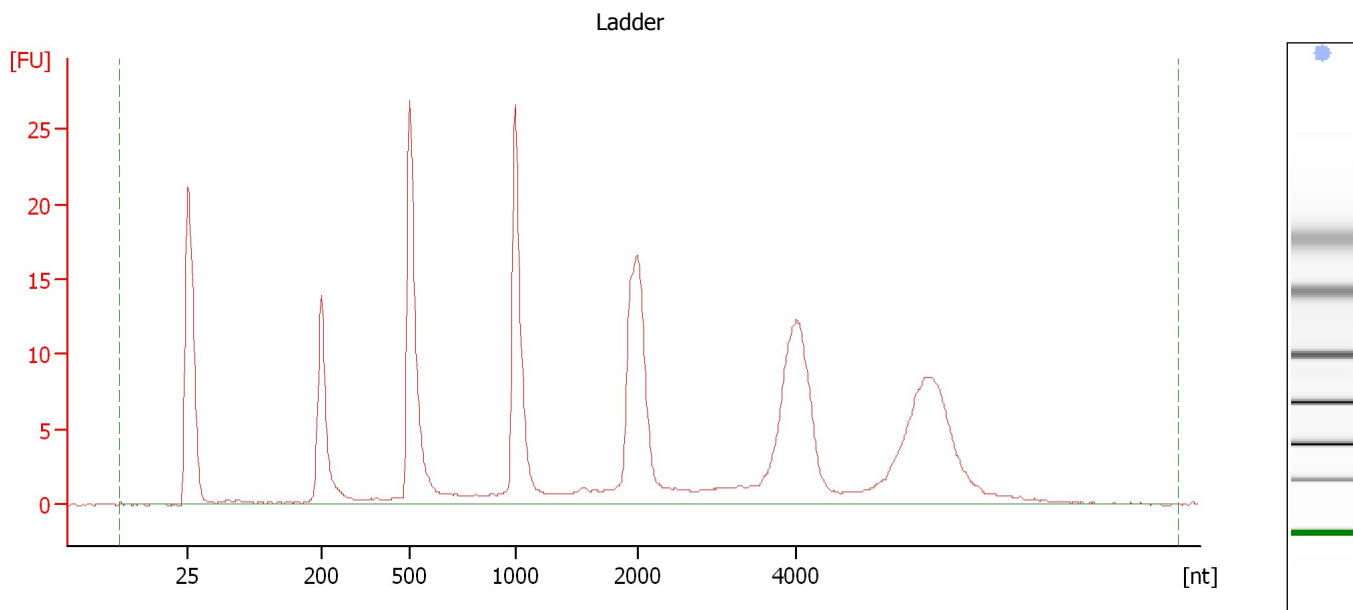
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



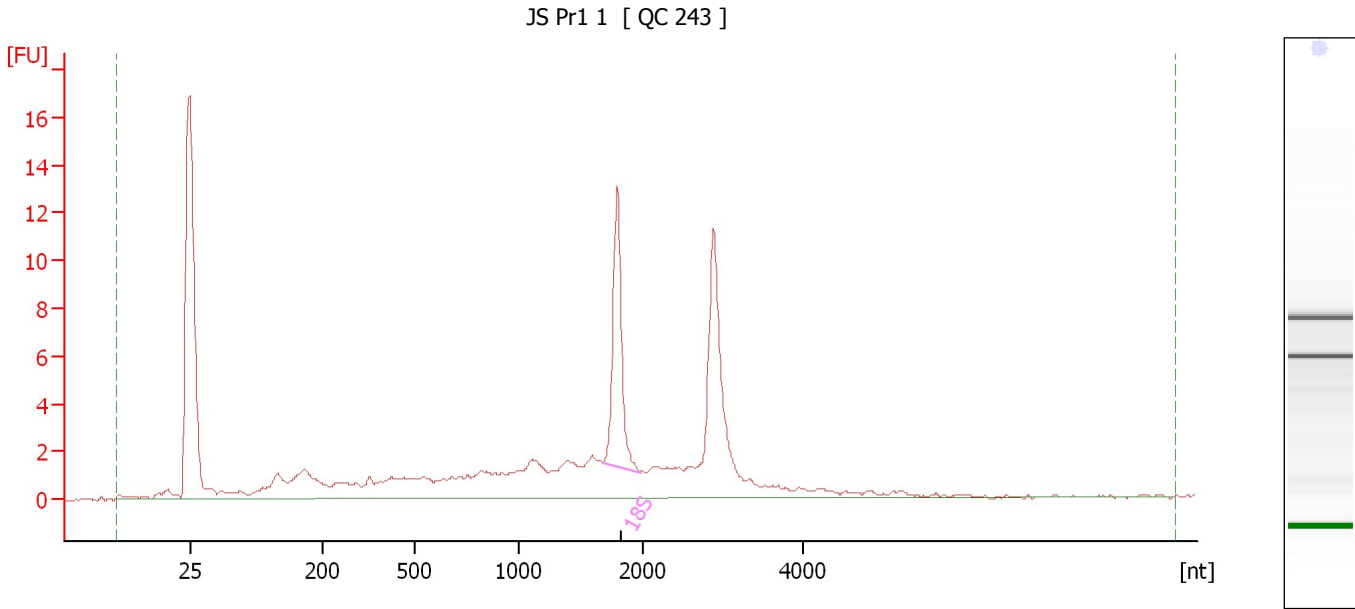
Overall Results for Ladder

RNA Area:	241.3	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : JS Pr1 1

RNA Area:	95.0	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.20

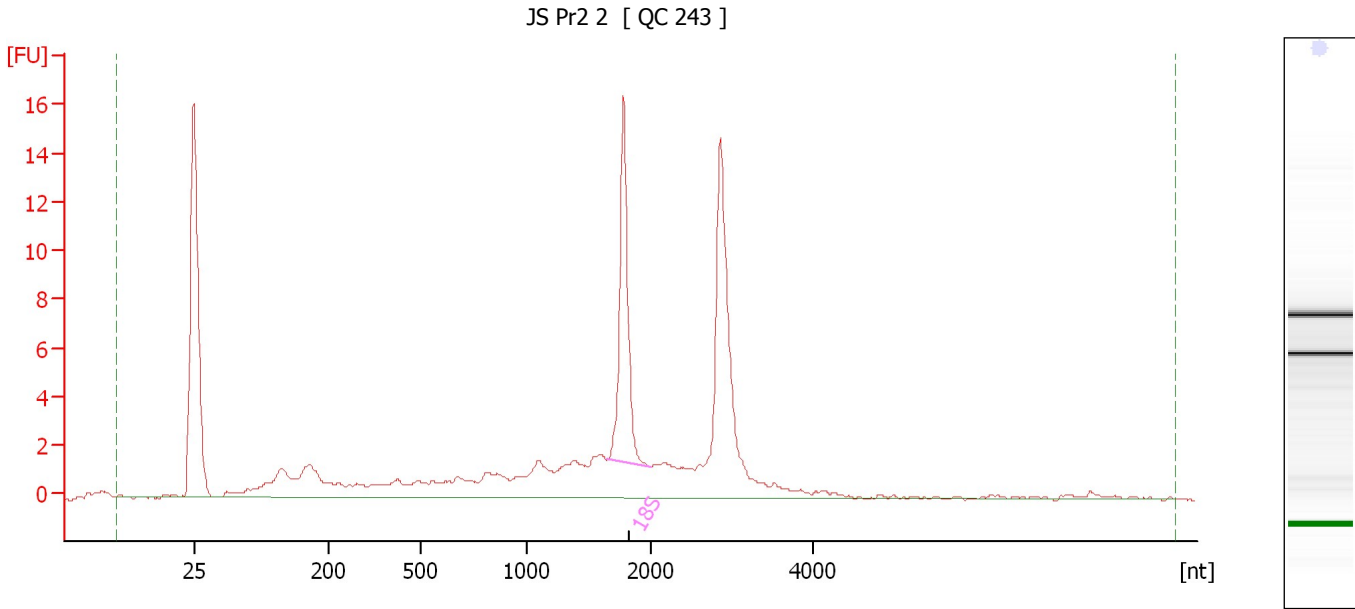
Fragment table for sample 1 : JS Pr1 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,680	1,985	12.2	12.8

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Electropherogram Summary Continued ...



Overall Results for sample 2 : JS Pr2 2

RNA Area:	97.6	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

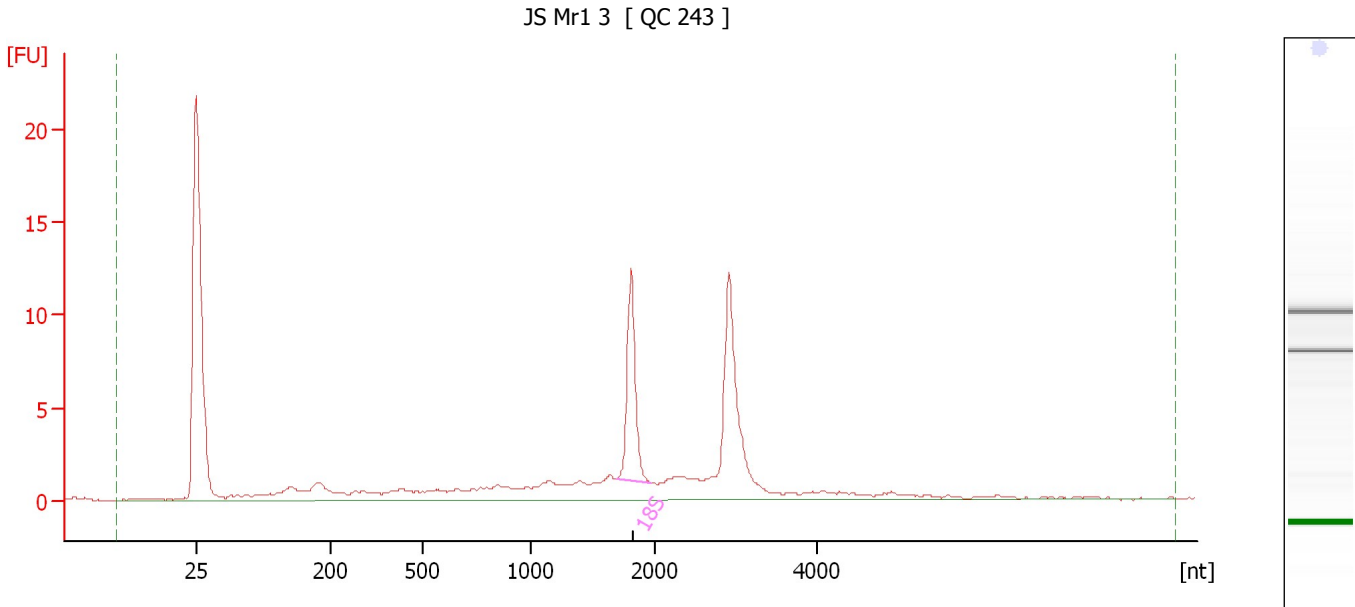
Fragment table for sample 2 : JS Pr2 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,996	15.2	15.6

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Electropherogram Summary Continued ...



Overall Results for sample 3 : JS Mr1 3

RNA Area:	76.5	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	48 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.70

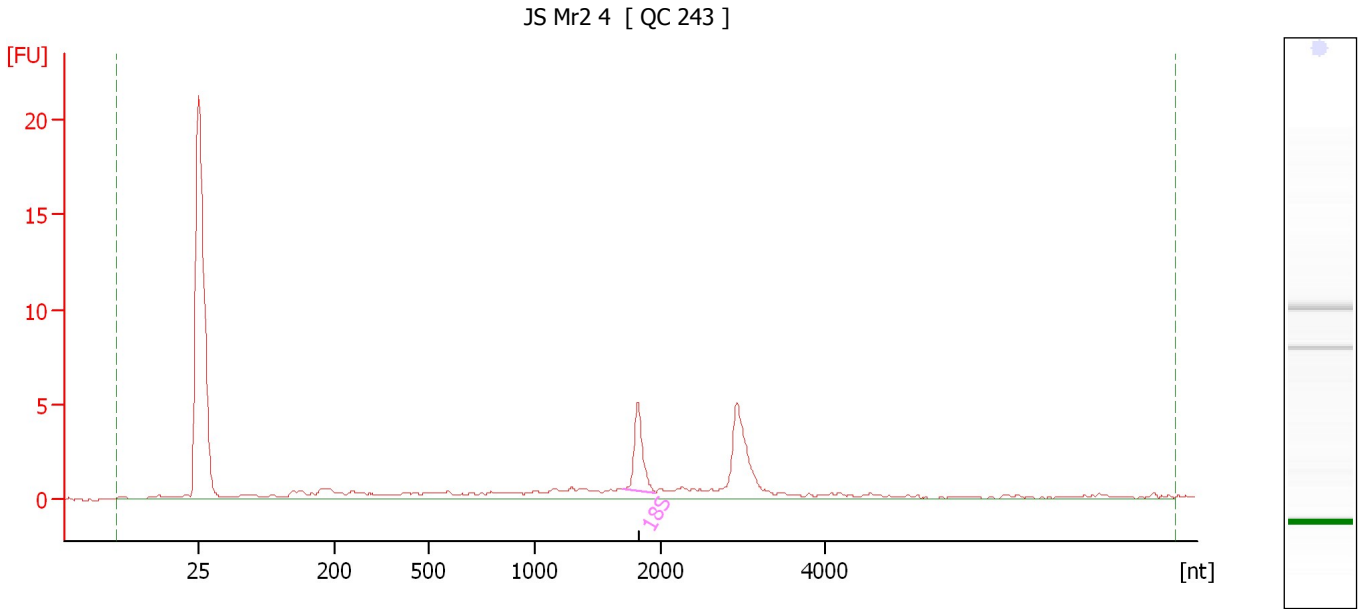
Fragment table for sample 3 : JS Mr1 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,688	1,963	11.2	14.6

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Electropherogram Summary Continued ...



Overall Results for sample 4 : JS Mr2 4

RNA Area:	39.4	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.90

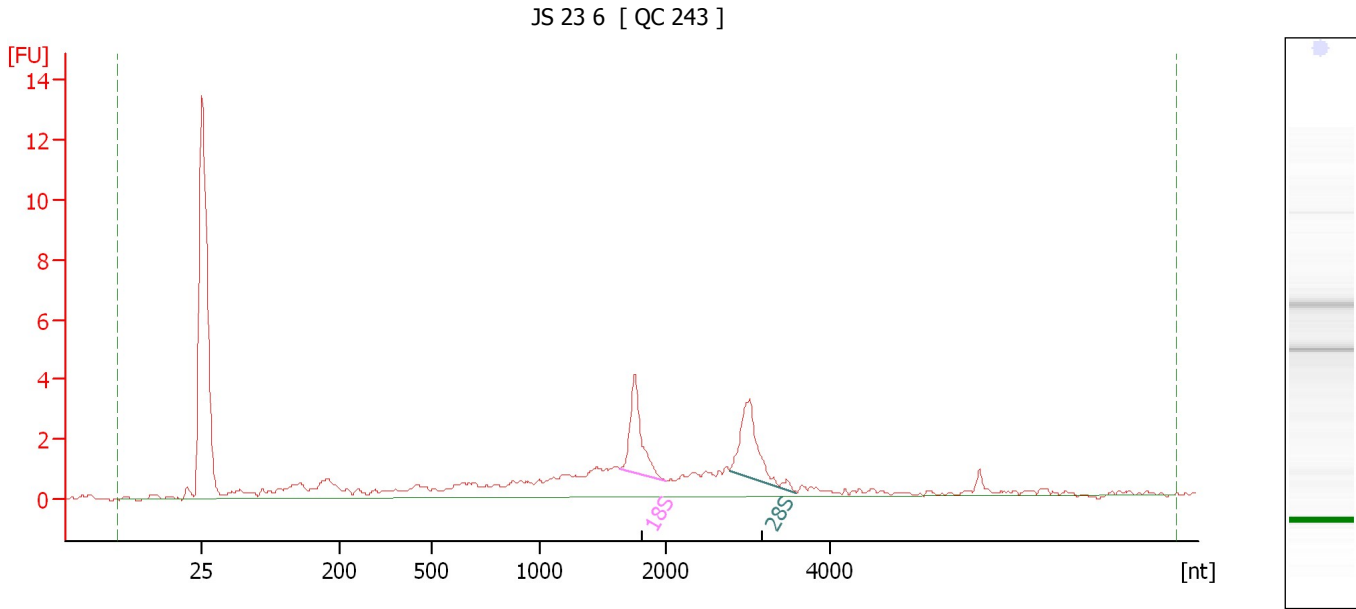
Fragment table for sample 4 : JS Mr2 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	1,957	4.8	12.3

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Electropherogram Summary Continued ...



Overall Results for sample 5 : JS 23 6

RNA Area: 47.9 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 30 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.40

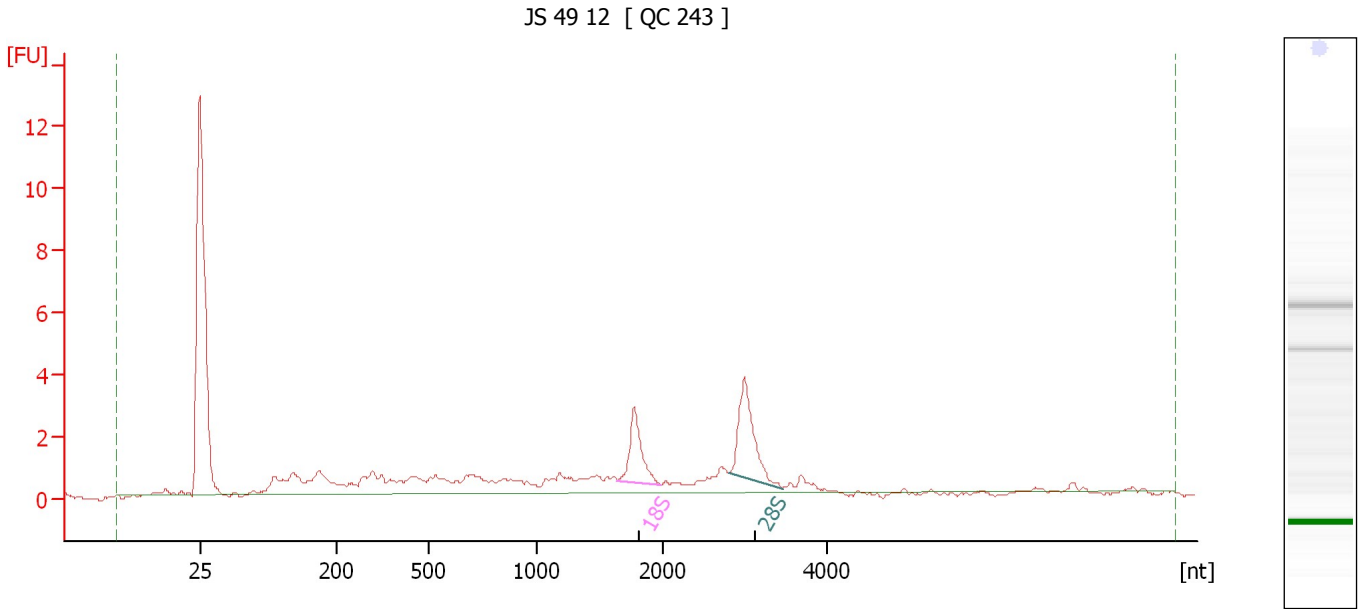
Fragment table for sample 5 : JS 23 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,635	1,992	4.4	9.2
28S	2,768	3,586	4.9	10.3

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Electropherogram Summary Continued ...



Overall Results for sample 6 : JS 49 12

RNA Area:	40.1	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	25 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.10

Fragment table for sample 6 : JS 49 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,634	1,983	3.4	8.5
28S	2,794	3,459	5.3	13.1

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