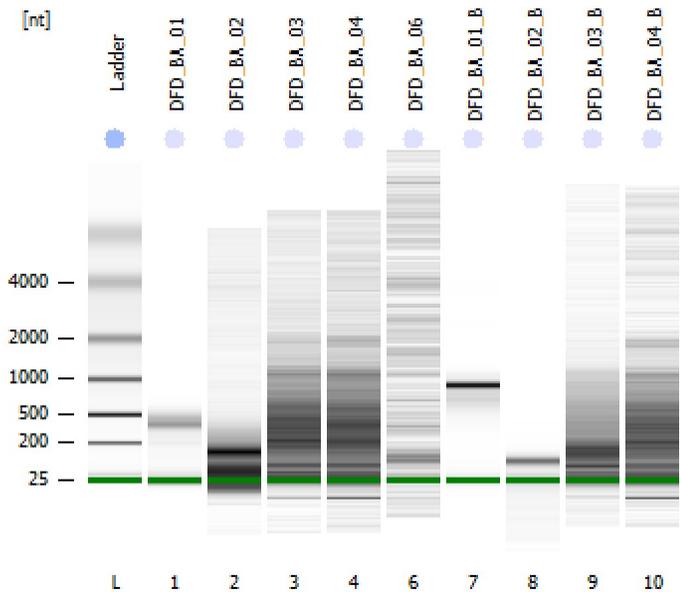


Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

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 (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Pico.xsy

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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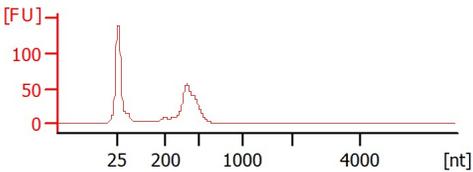
Chip Information:

Chip Lot #:

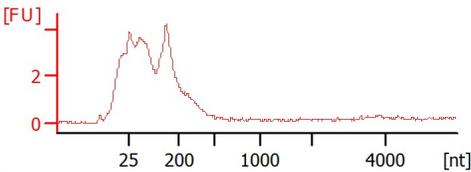
Reagent Kit Lot #:

Chip Comments:

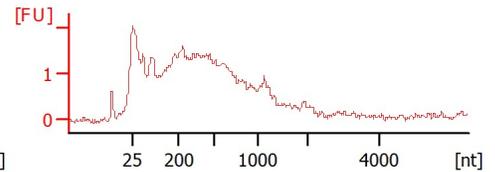
DFD_BA_01
RIN: 2.20



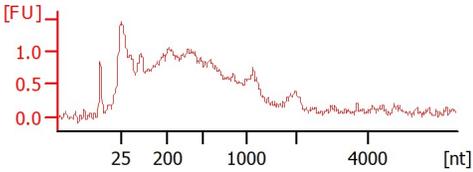
DFD_BA_02
RIN: 2.50



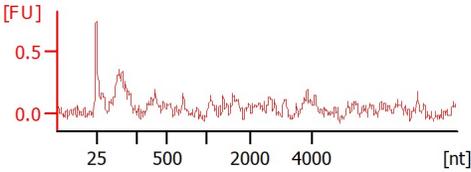
DFD_BA_03
RIN: 2.10



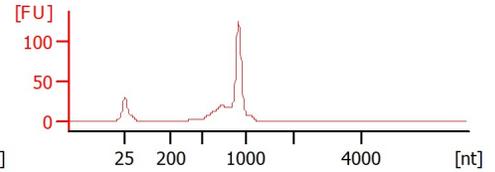
DFD_BA_04
RIN: 2.10



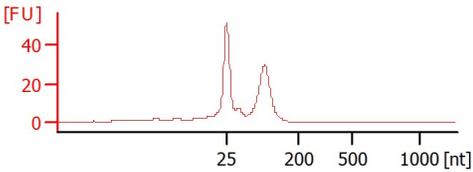
DFD_BA_06
RIN: 2.40



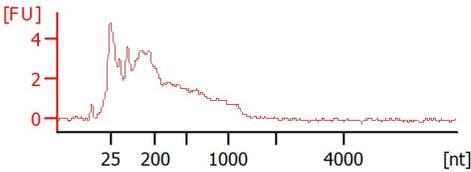
DFD_BA_01_B
RIN: 1



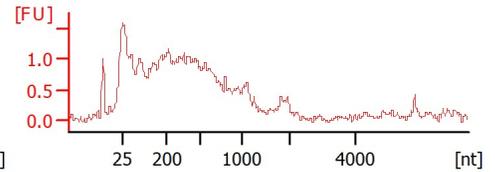
DFD_BA_02_B
RIN: 2.70



DFD_BA_03_B
RIN: 2.30



DFD_BA_04_B
RIN: 2.10



Assay Class: Plant RNA Pico
 Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
 Modified: 10/5/2023 11:23:18 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DFD_BA_01		✓	RIN: 2.20	
DFD_BA_02		✓	RIN: 2.50	
DFD_BA_03		✓	RIN: 2.10	
DFD_BA_04		✓	RIN: 2.10	
DFD_BA_06		✓	RIN: 2.40	
DFD_BA_01_B		✓	RIN:1	
DFD_BA_02_B		✓	RIN: 2.70	
DFD_BA_03_B		✓	RIN: 2.30	
DFD_BA_04_B		✓	RIN: 2.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

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

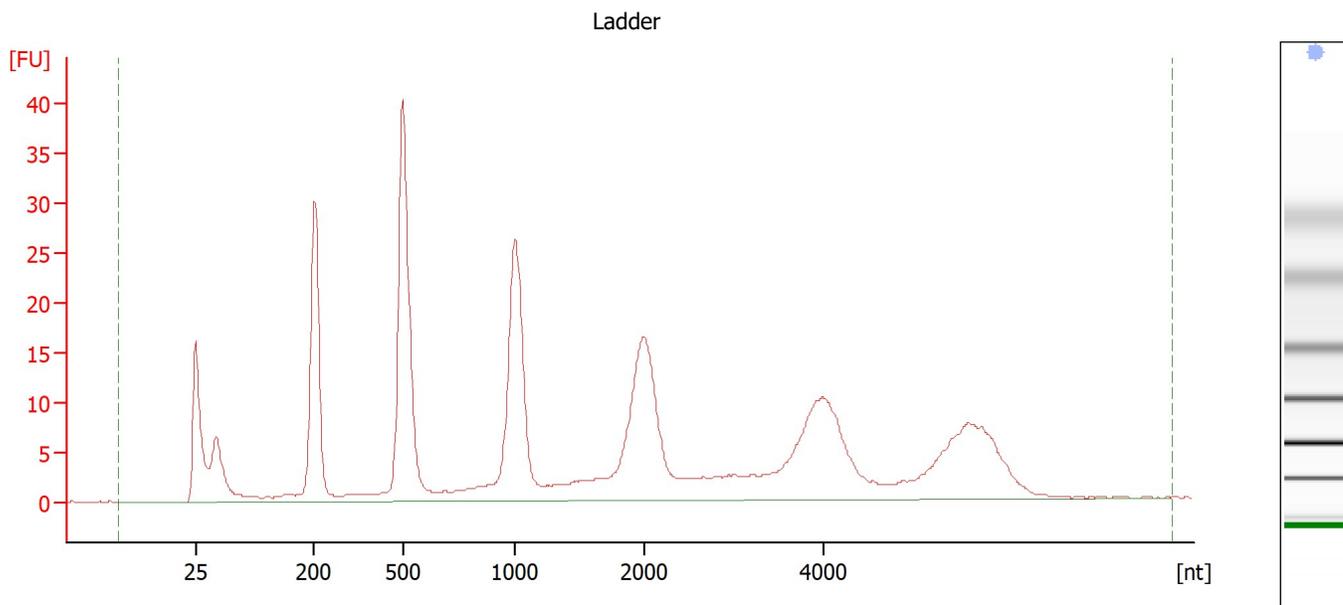
Ladder

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

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary



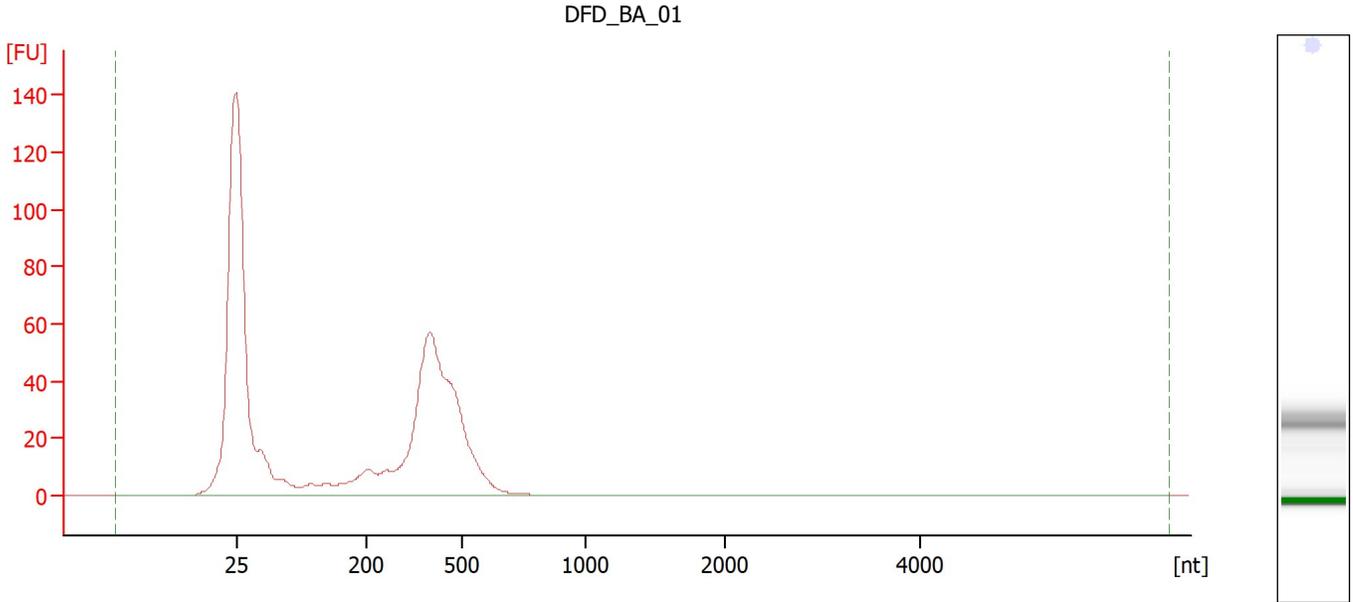
Overall Results for Ladder

RNA Area:	404.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



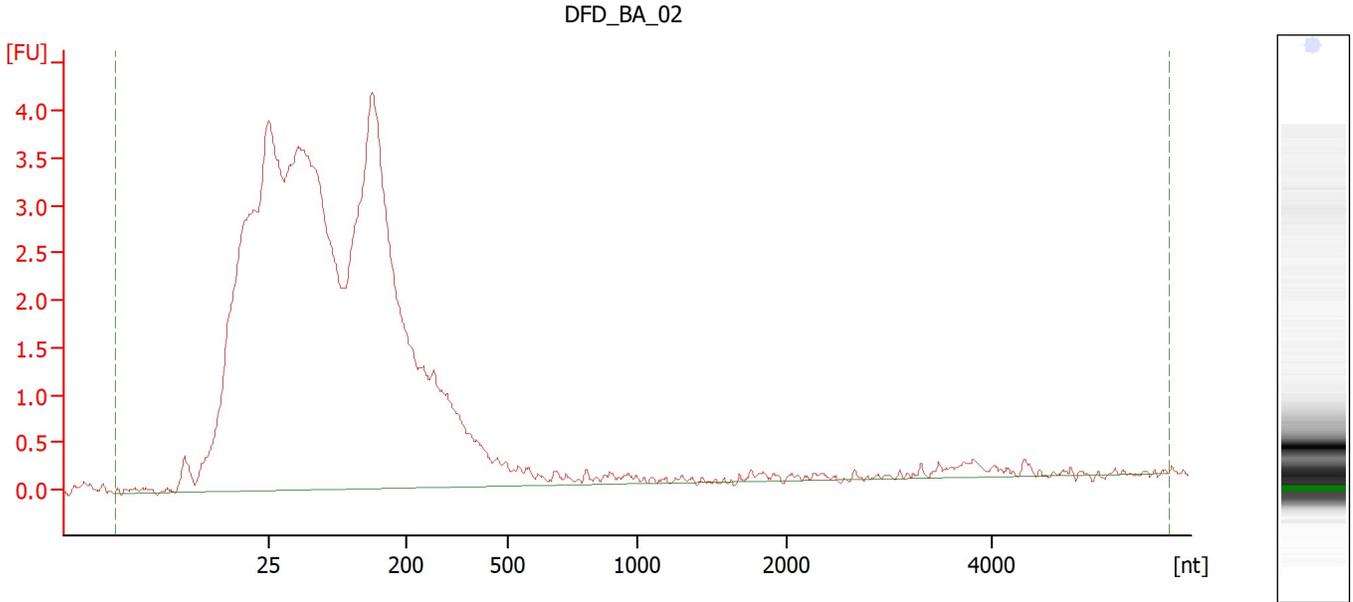
Overall Results for sample 1 : DFD_BA_01

RNA Area:	453.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	1,119 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



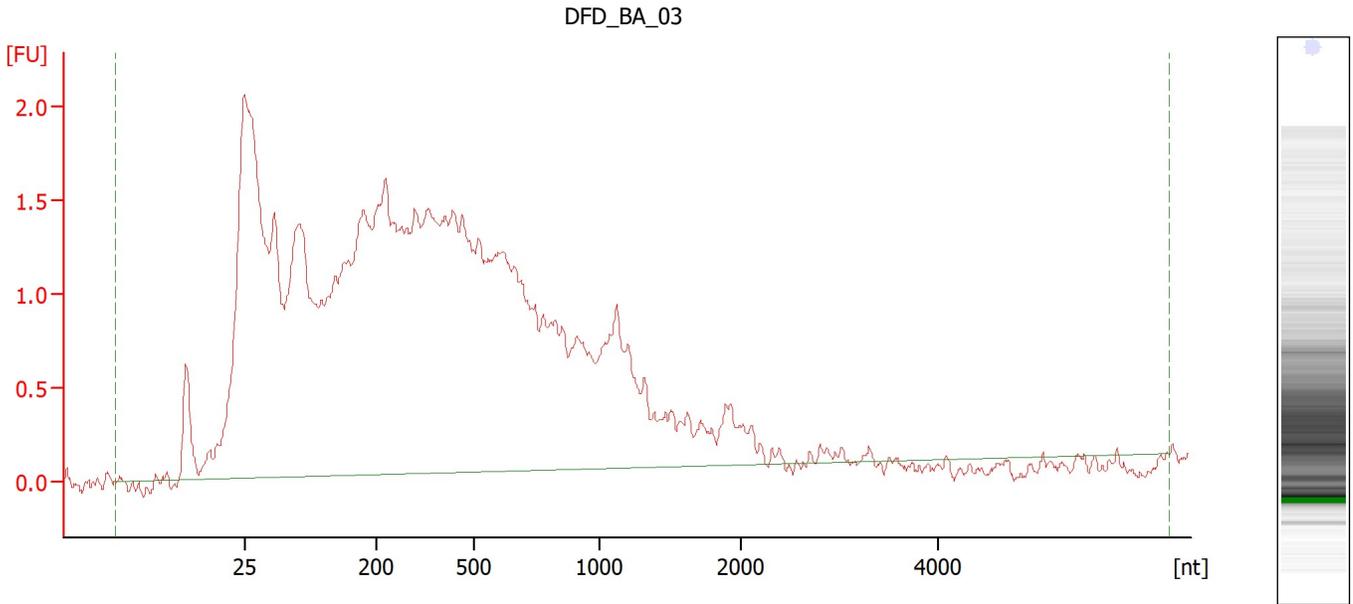
Overall Results for sample 2 : DFD_BA_02

RNA Area:	75.9	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	187 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



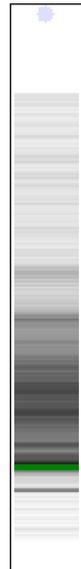
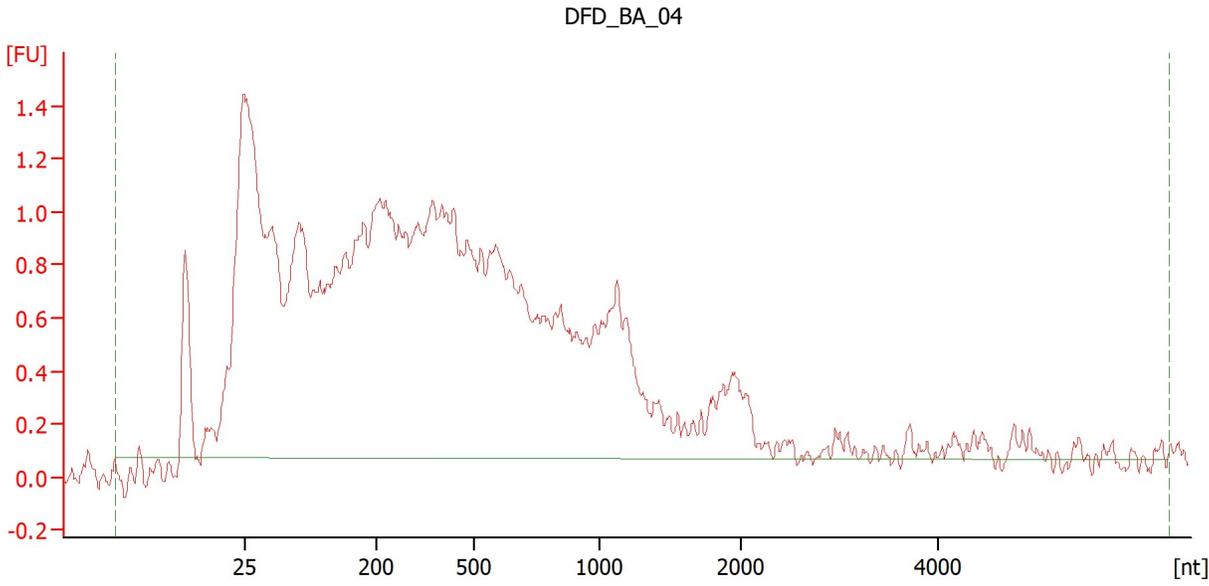
Overall Results for sample 3 : DFD_BA_03

RNA Area:	60.8	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	150 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



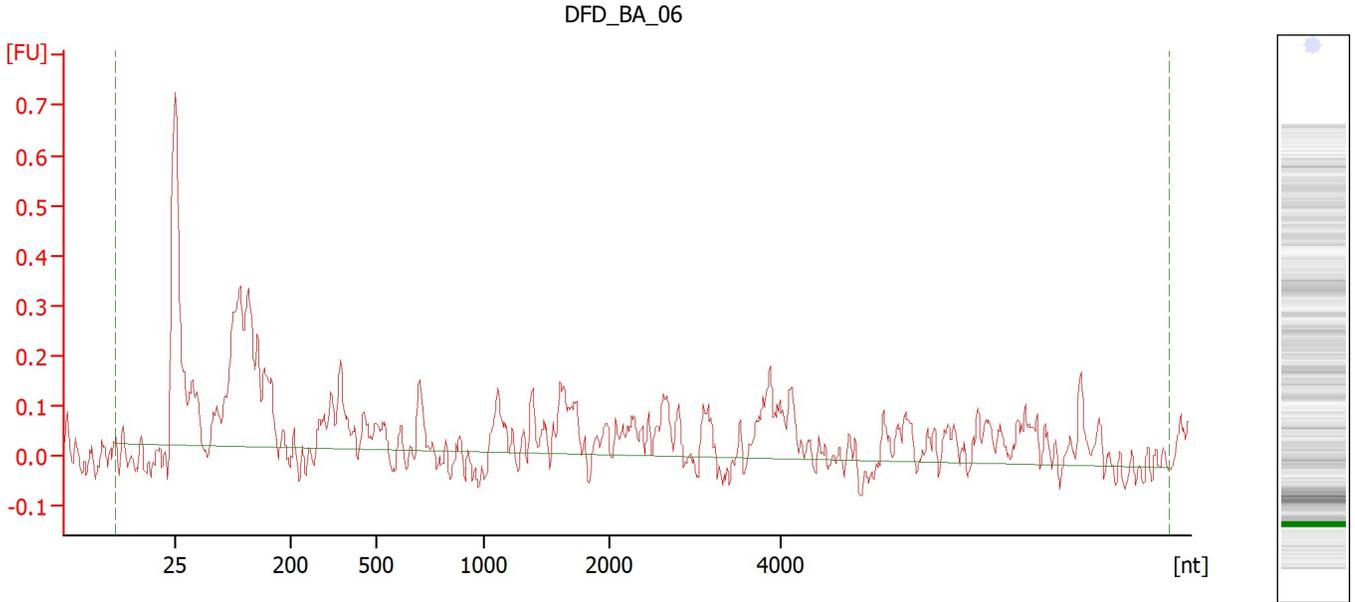
Overall Results for sample 4 : DFD_BA_04

RNA Area:	42.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	106 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



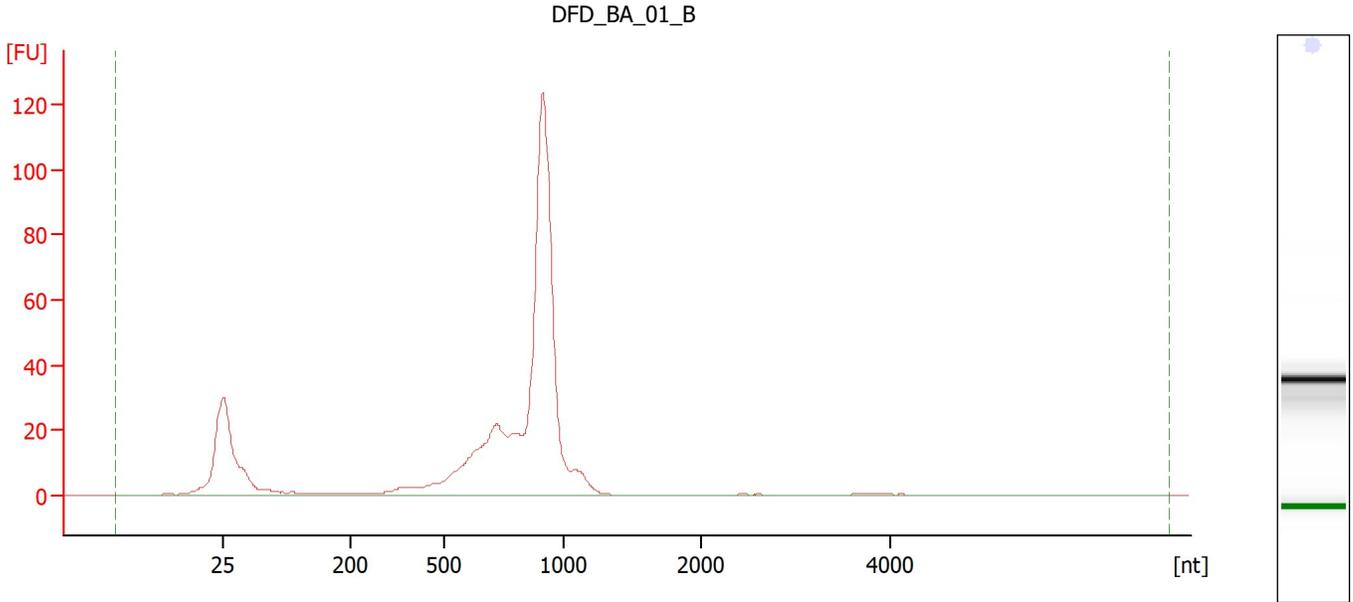
Overall Results for sample 6 : DFD_BA_06

RNA Area:	5.9	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	15 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



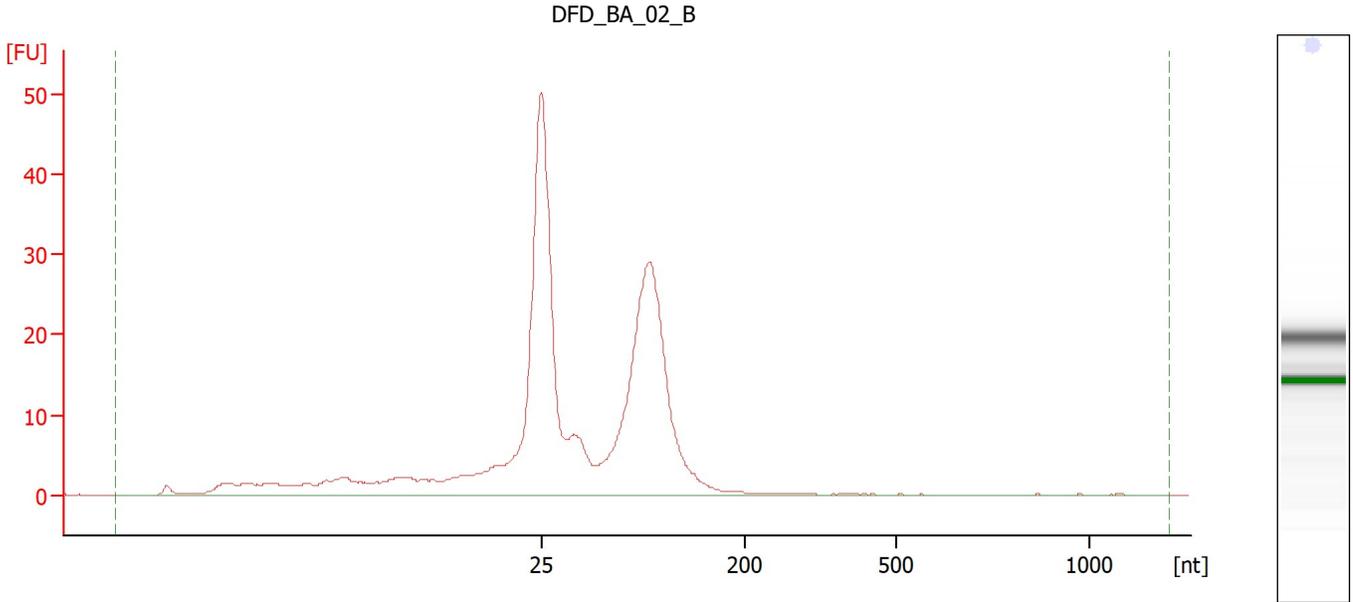
Overall Results for sample 7 : DFD_BA_01_B

RNA Area:	488.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	1,206 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



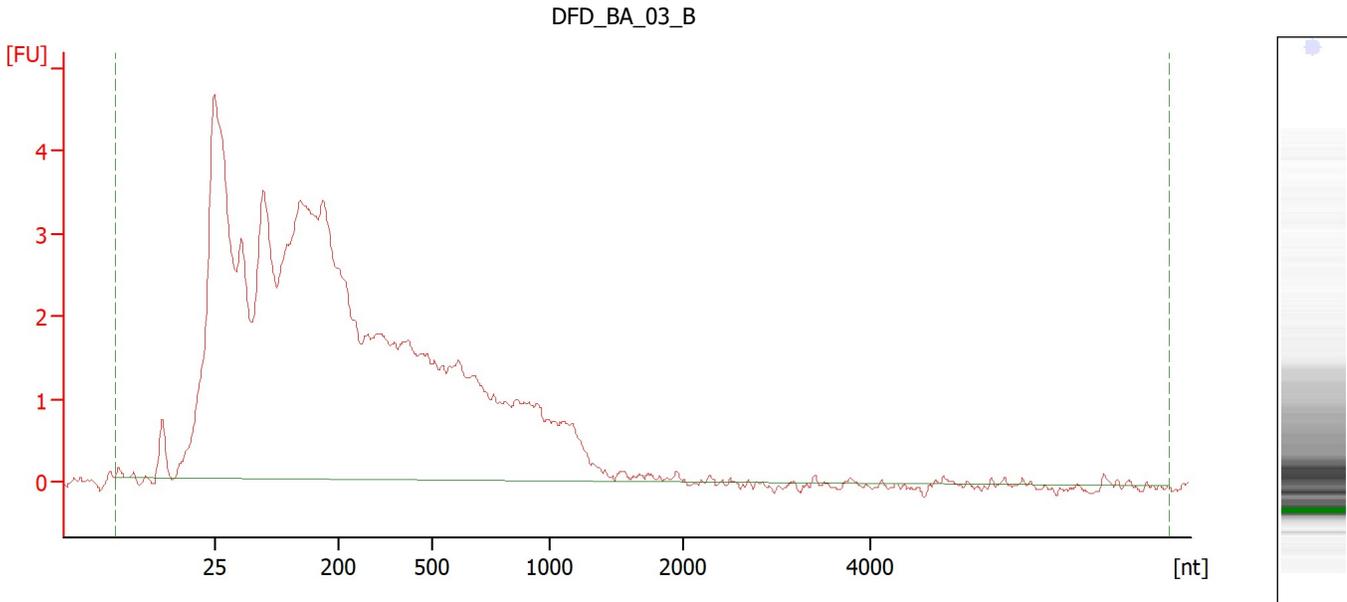
Overall Results for sample 8 : DFD_BA_02_B

RNA Area:	237.2	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	586 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



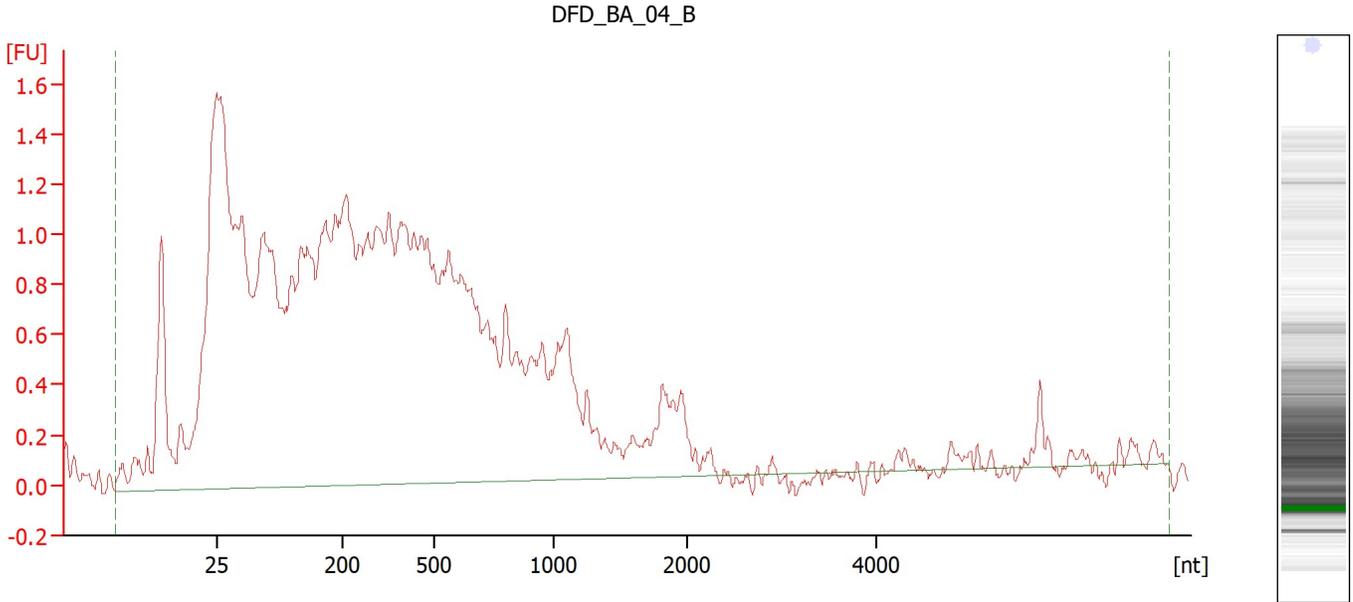
Overall Results for sample 9 : DFD_BA_03_B

RNA Area:	96.2	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	238 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Electropherogram Summary Continued ...



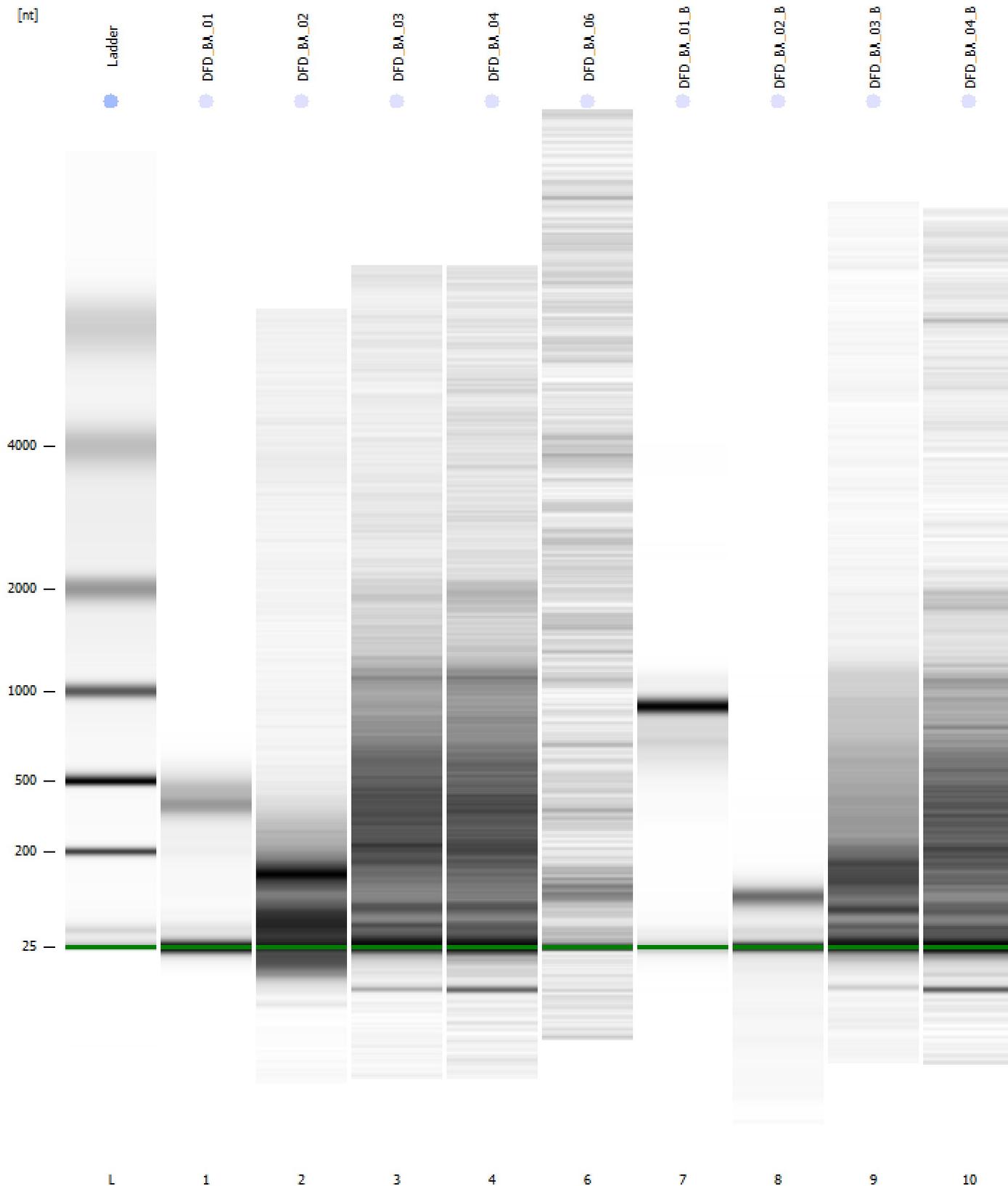
Overall Results for sample 10 : DFD BA 04 B

RNA Area:	50.1	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	124 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Gel Image

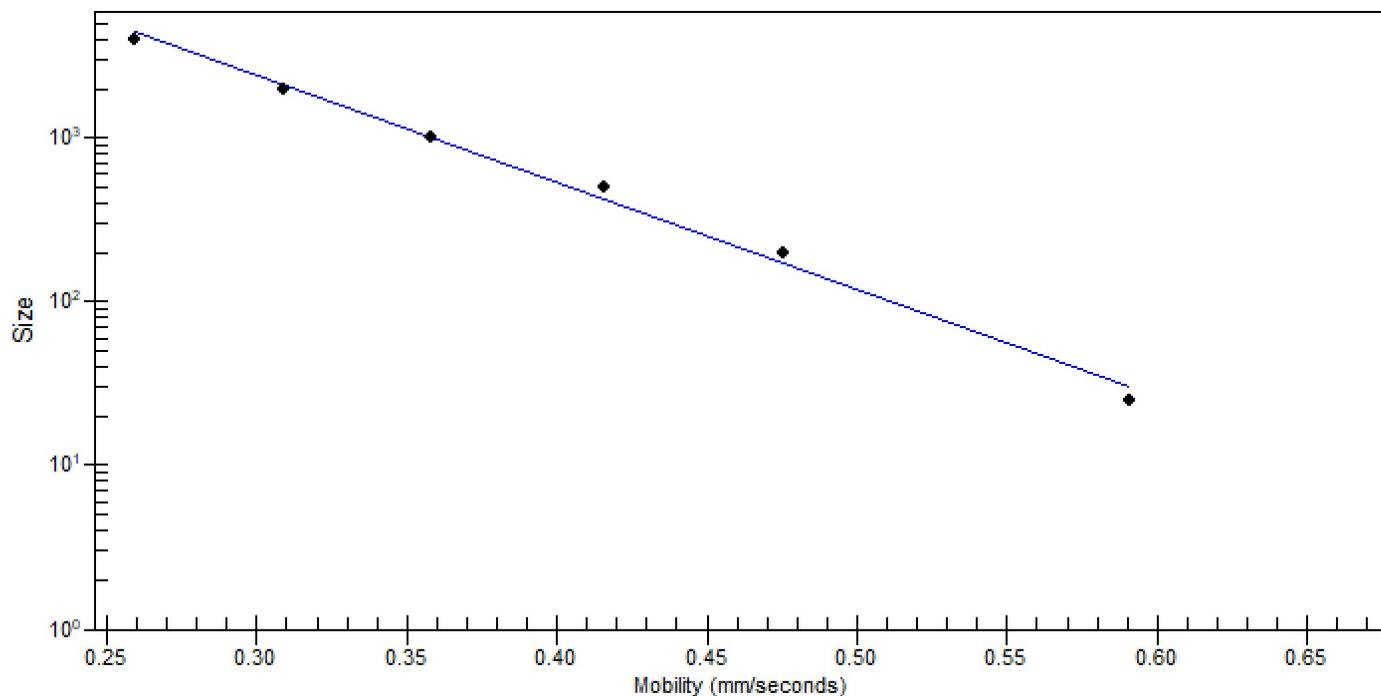


Assay Class: Plant RNA Pico
Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
Modified: 10/5/2023 11:23:18 AM

Curves

Standard Curve



Assay Class: Plant RNA Pico
 Data Path: C:\...ilent\2100 bioanalyzer\2100 expert\data\2023-10-05\DAG1.xad

Created: 10/5/2023 10:45:40 AM
 Modified: 10/5/2023 11:23:18 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/5/2023 11:07:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-05\Bioanalyzer1_Plant RNA Pico_DE34903152_2023-10-05_Product Number : G2938C		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB