

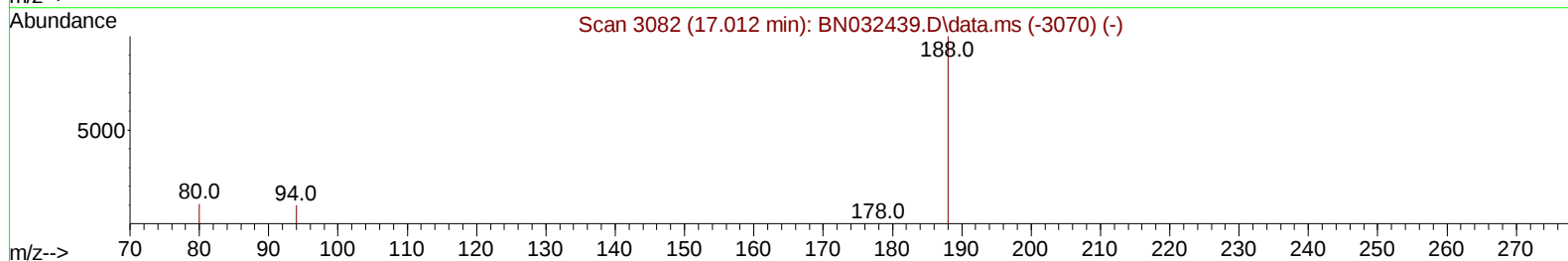
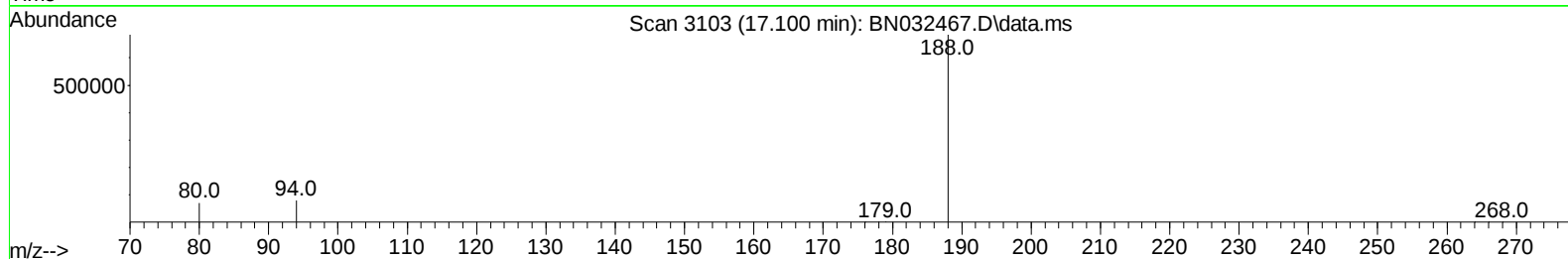
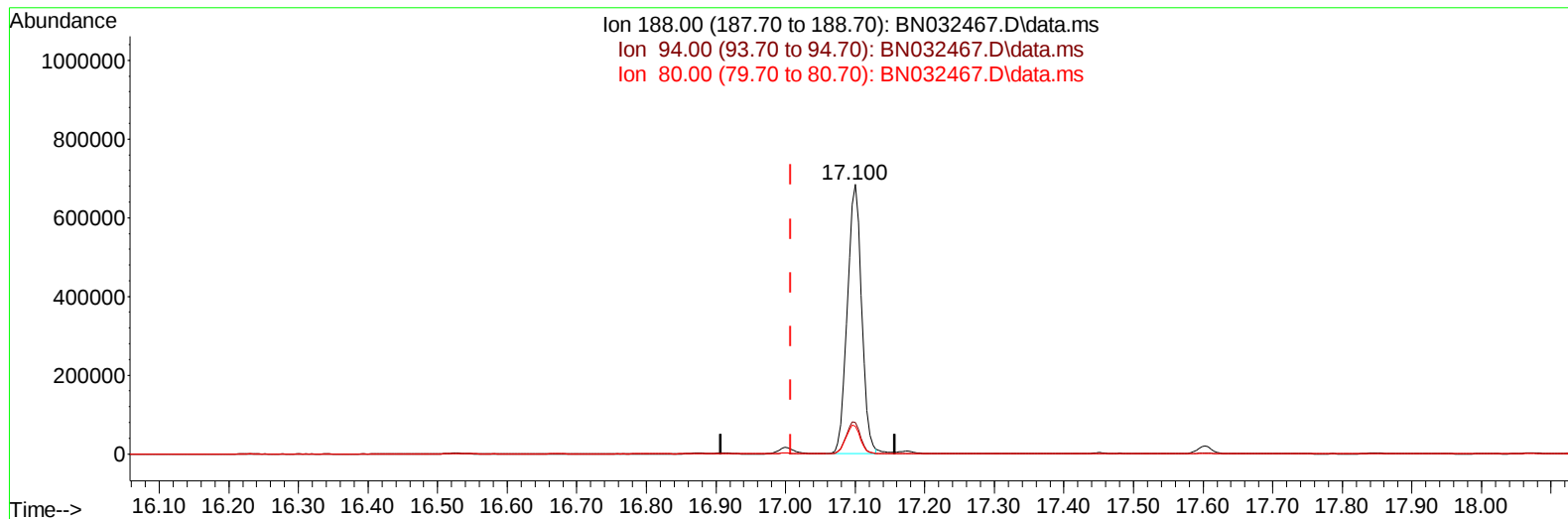
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(13) Phenanthrene-d10 (I)

17.100min (+ 0.093) 0.40 ng/u1

response 974221

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.70
80.00	10.50	10.34
0.00	0.00	0.00

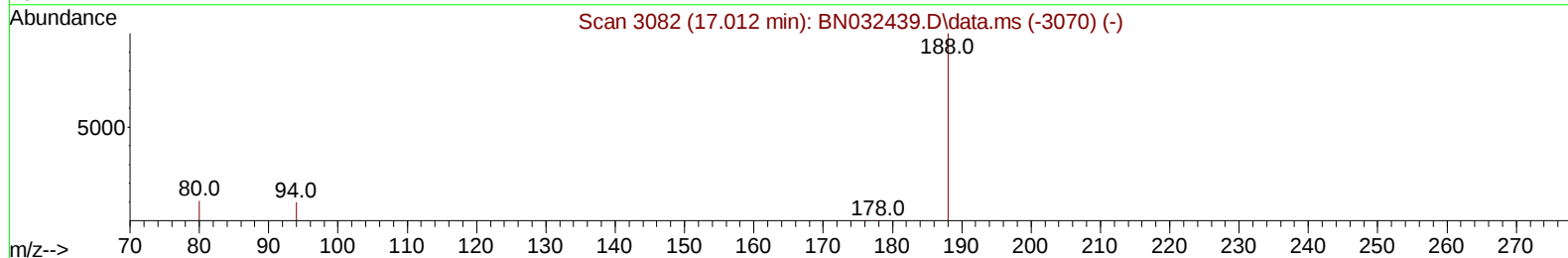
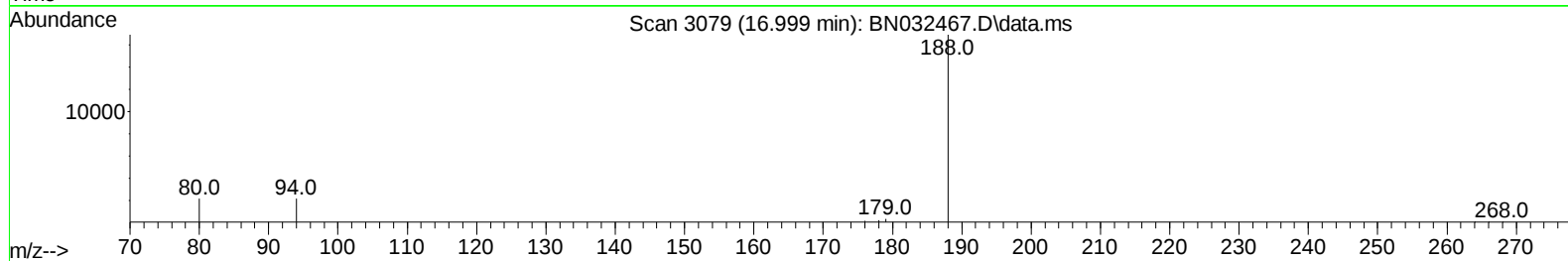
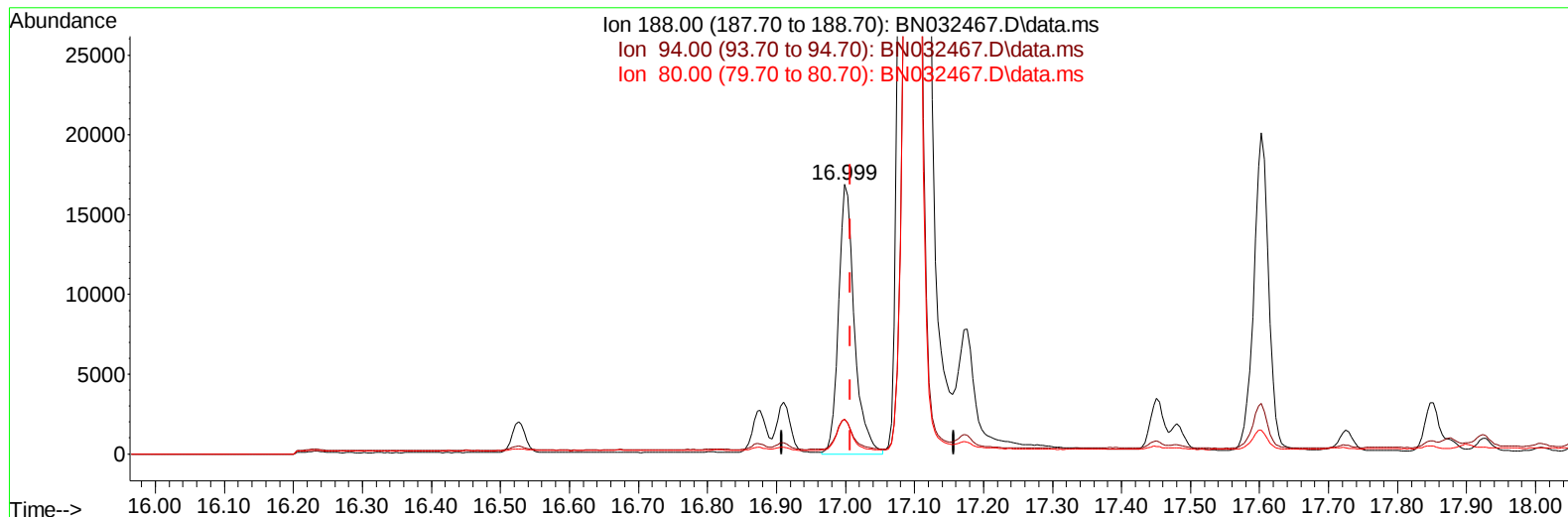
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(13) Phenanthrene-d10 (I)

16.999min (-0.009) 0.40 ng/ul m

response 26830

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.78#
80.00	10.50	12.84#
0.00	0.00	0.00

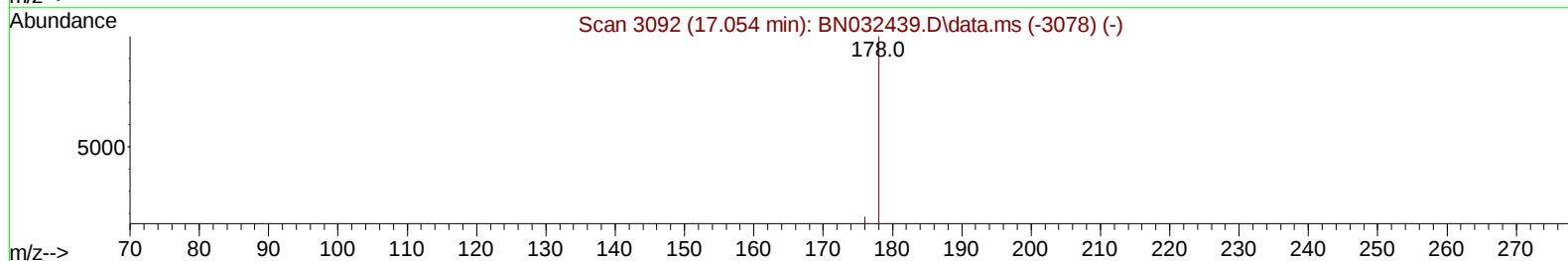
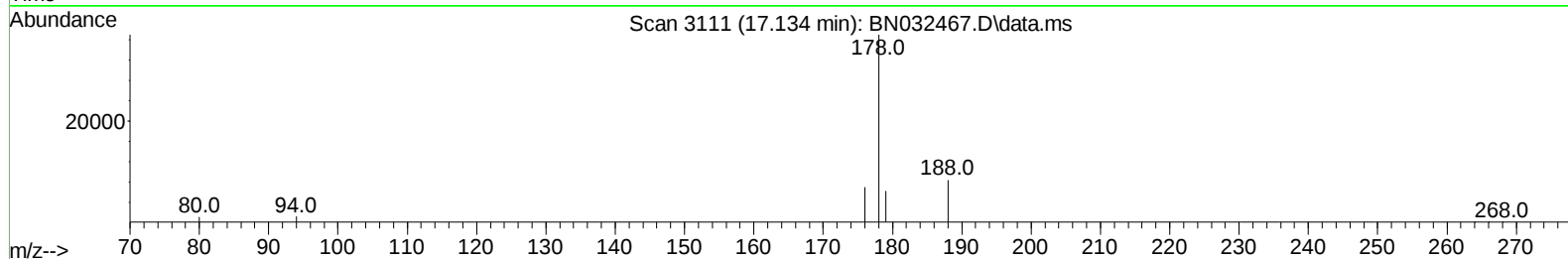
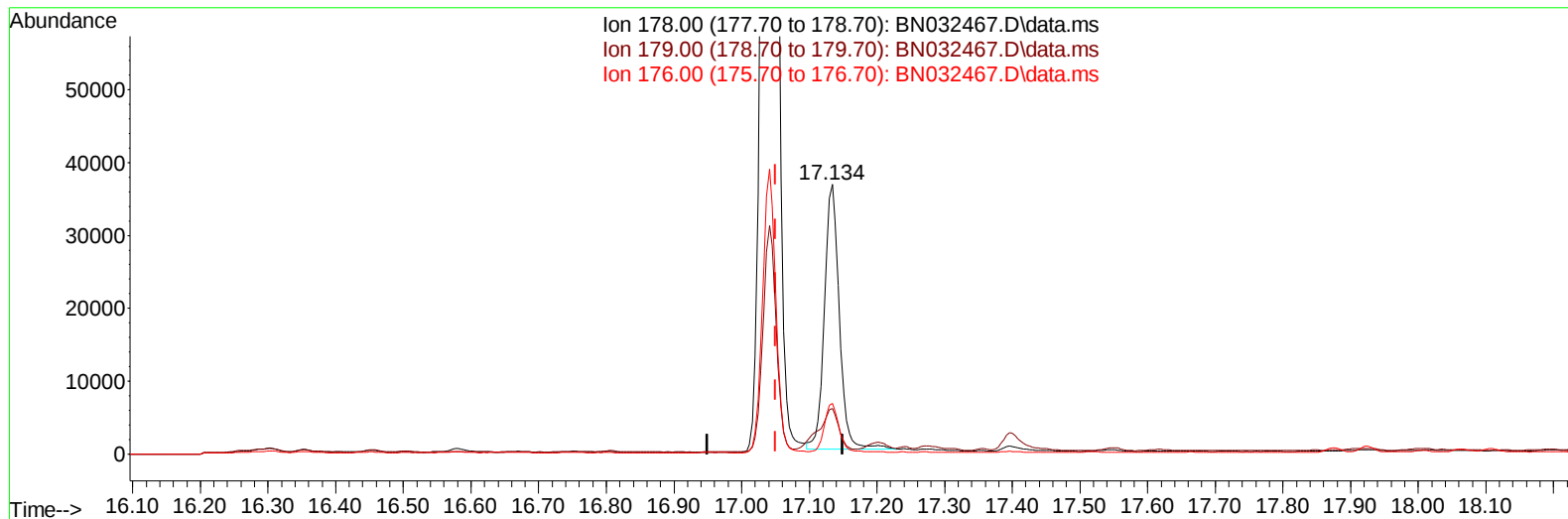
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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TIC: BN032467.D\data.ms

(15) Phenanthrene

17.134min (+ 0.084) 0.75 ng/u1

response 55435

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.77
176.00	19.50	18.73
0.00	0.00	0.00

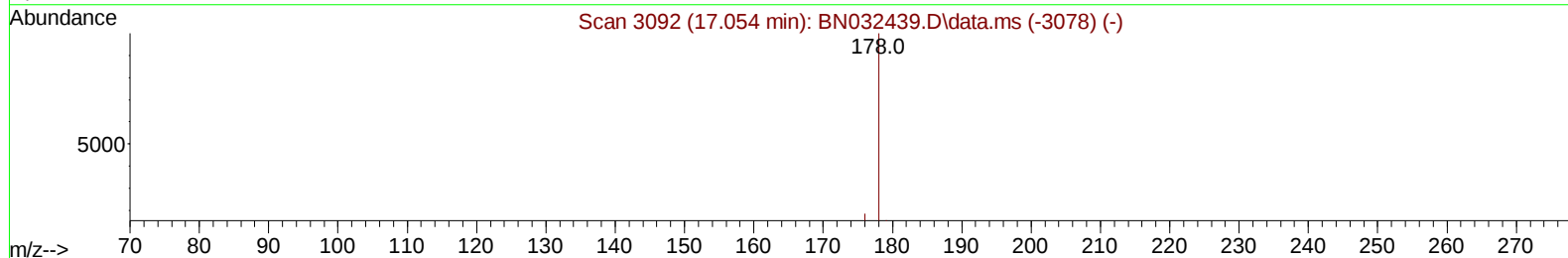
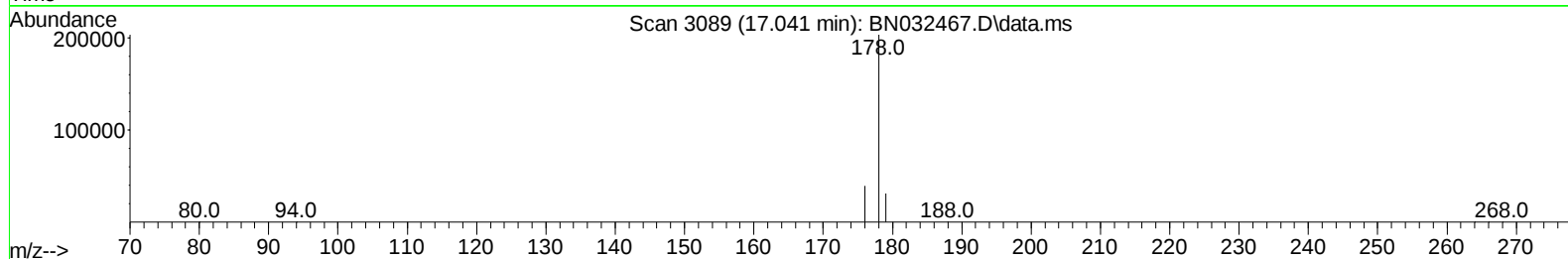
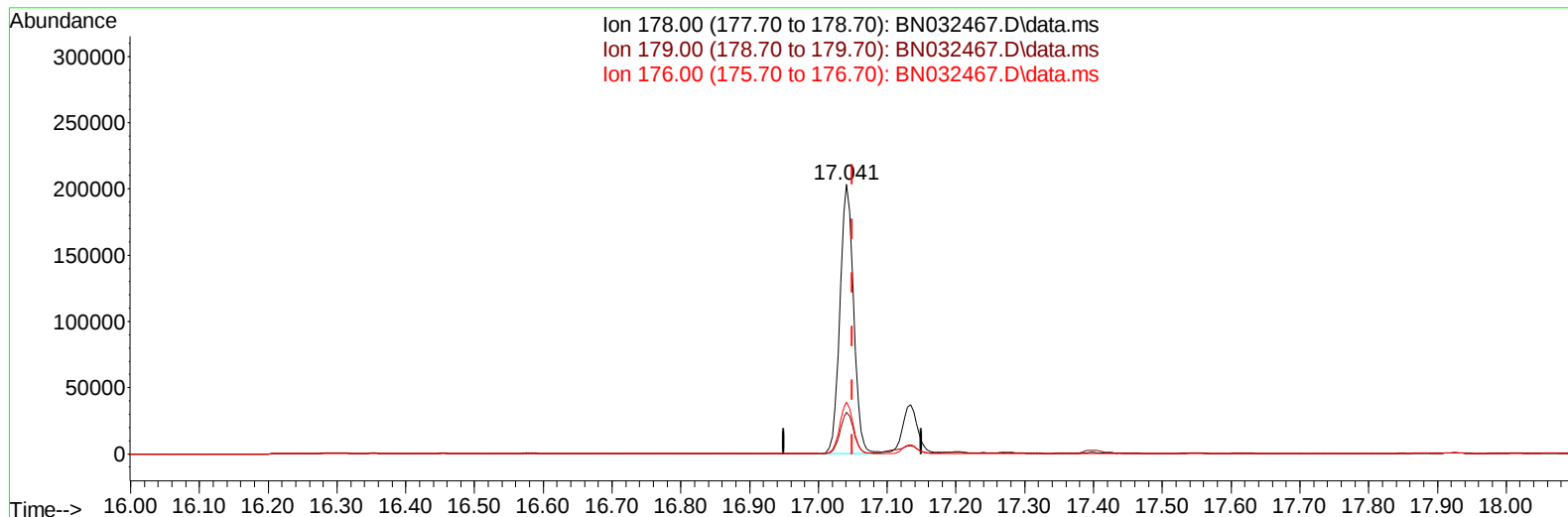
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(15) Phenanthrene

17.041min (-0.009) 3.81 ng/u1 m

response 280245

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.42
176.00	19.50	19.24
0.00	0.00	0.00

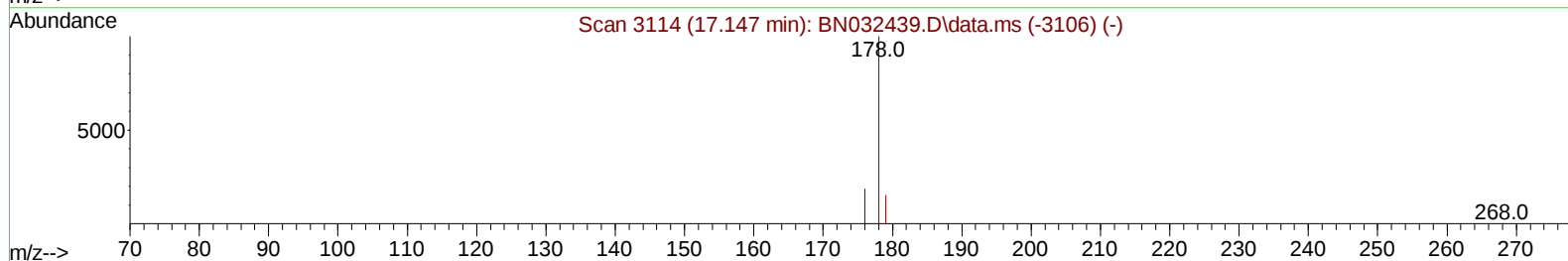
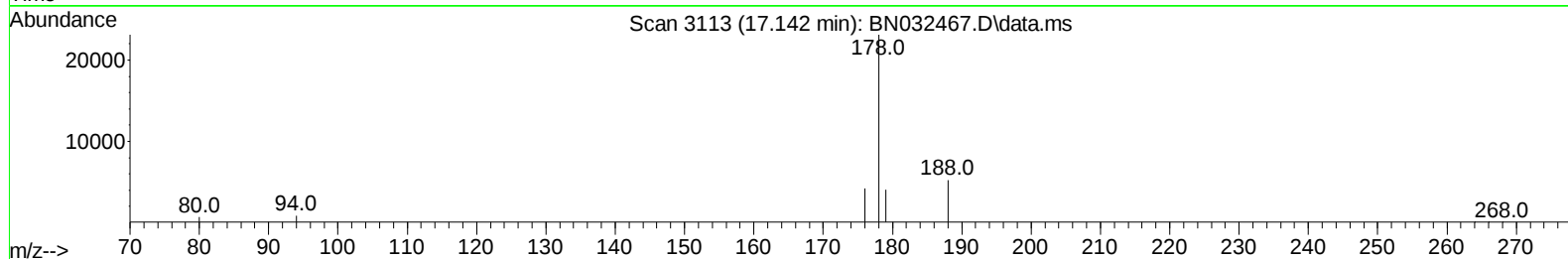
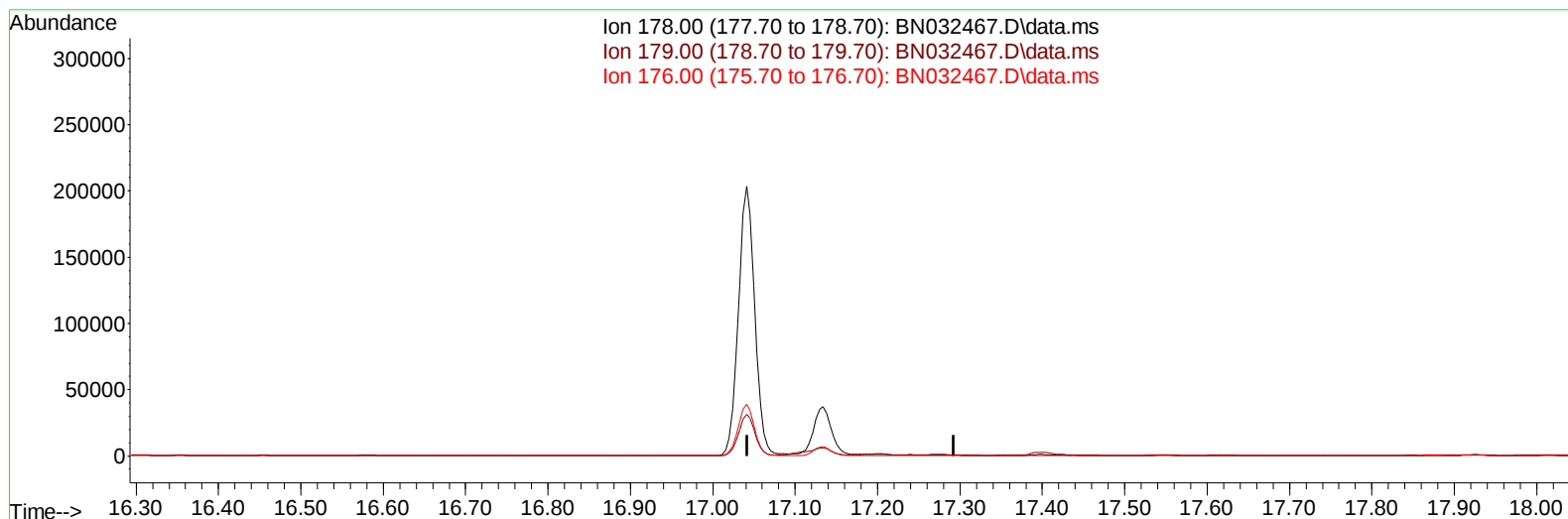
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(16) Anthracene

17.143min (-17.143) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	15.60	0.00#
176.00	18.80	0.00#
0.00	0.00	0.00

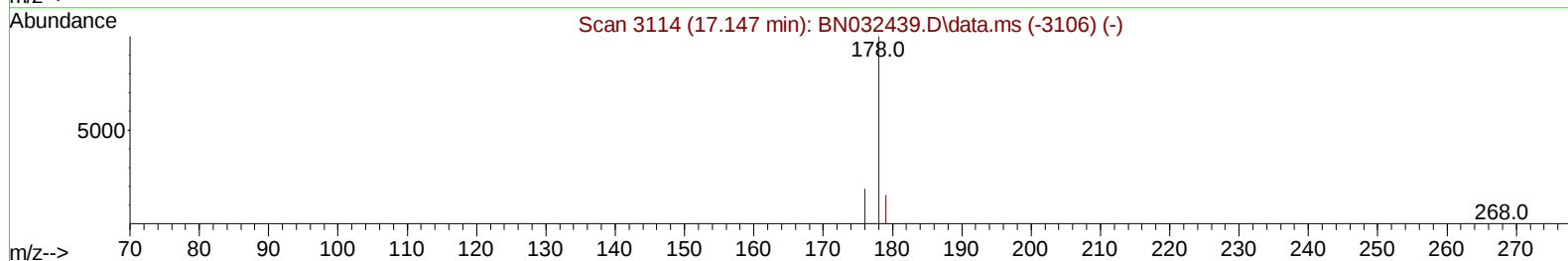
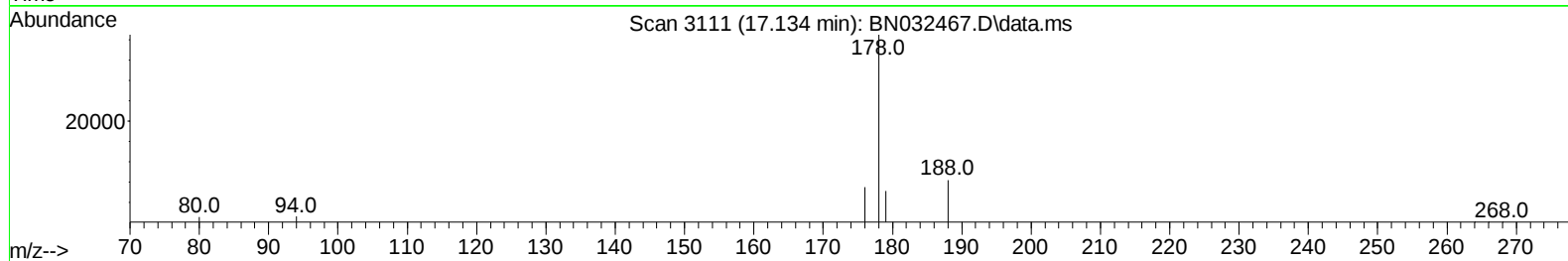
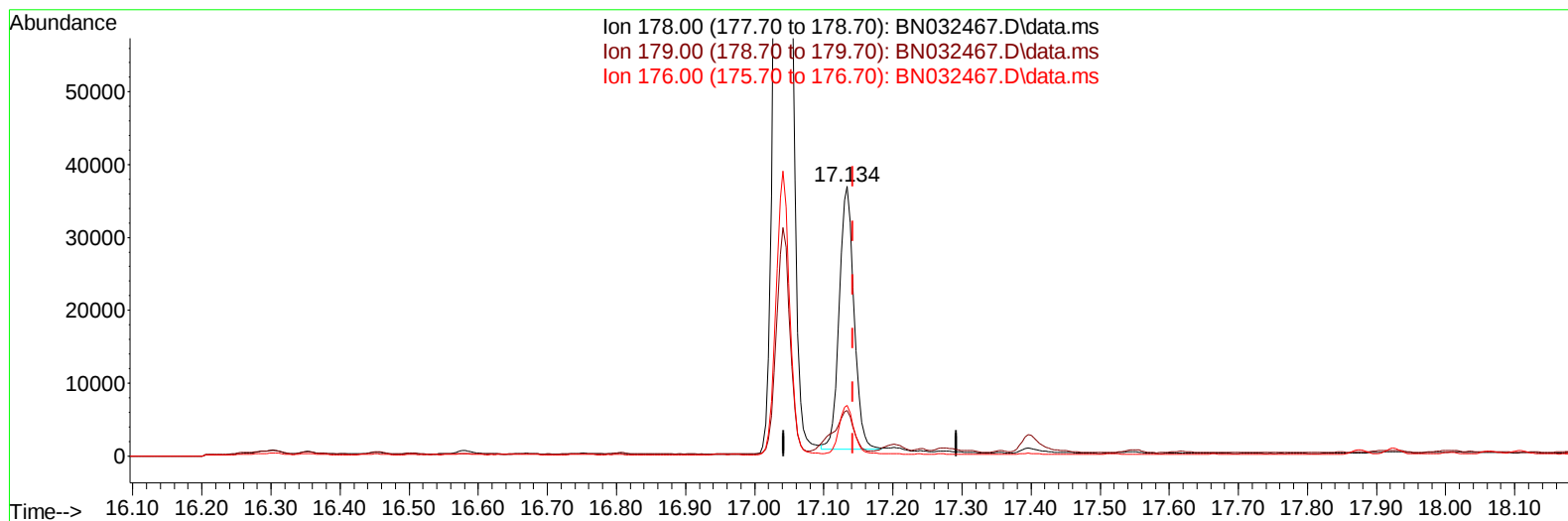
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(16) Anthracene

17.134min (-0.009) 0.81 ng/ul m

response 53288

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	16.77
176.00	18.80	18.73
0.00	0.00	0.00

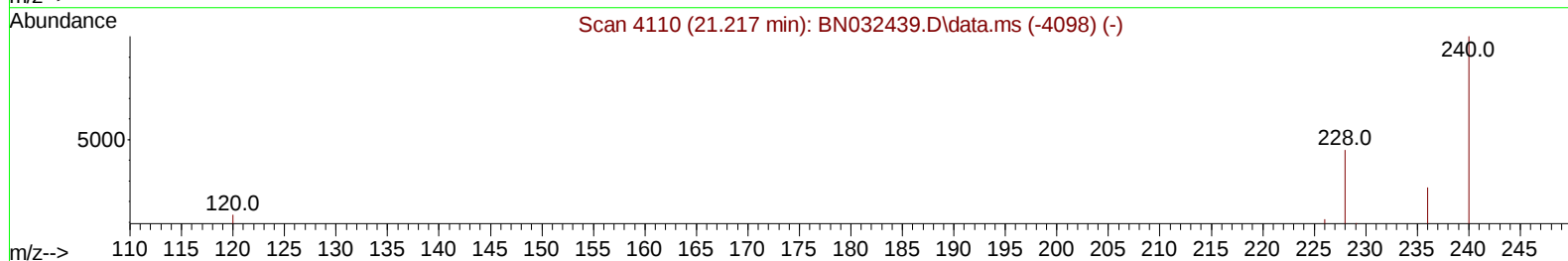
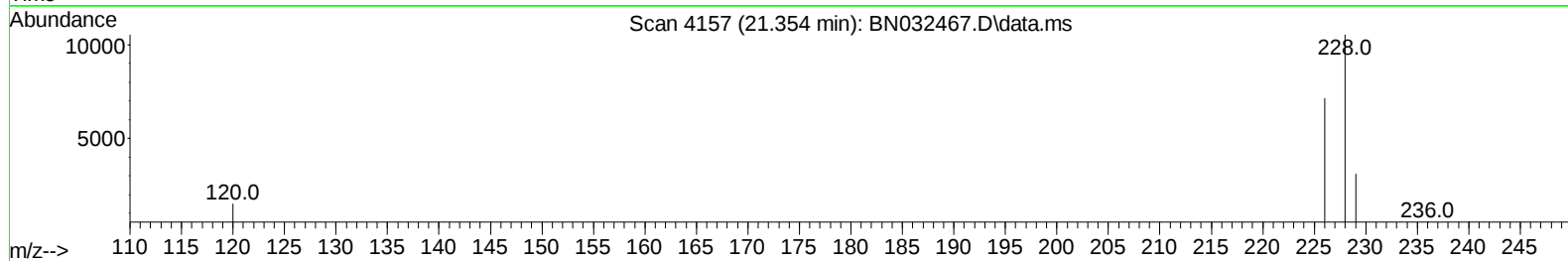
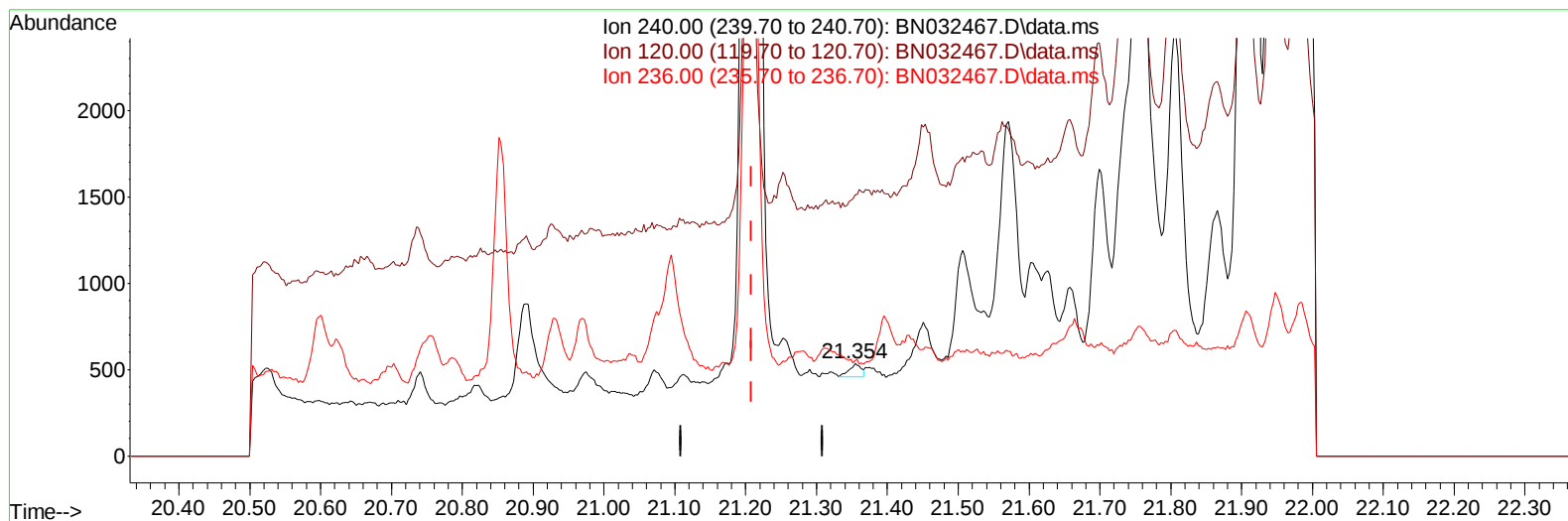
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(17) Chrysene-d12

21.354min (+ 0.146) 0.40 ng/u1

response 87

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	281.75#
236.00	28.40	102.98#
0.00	0.00	0.00

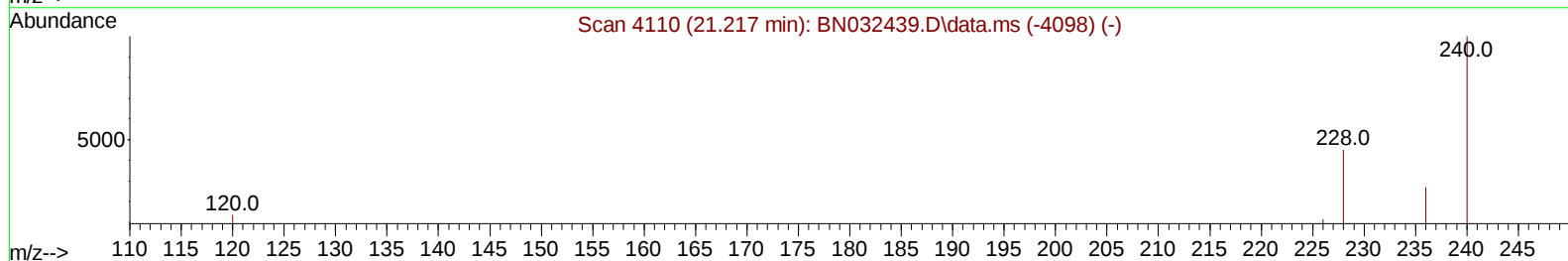
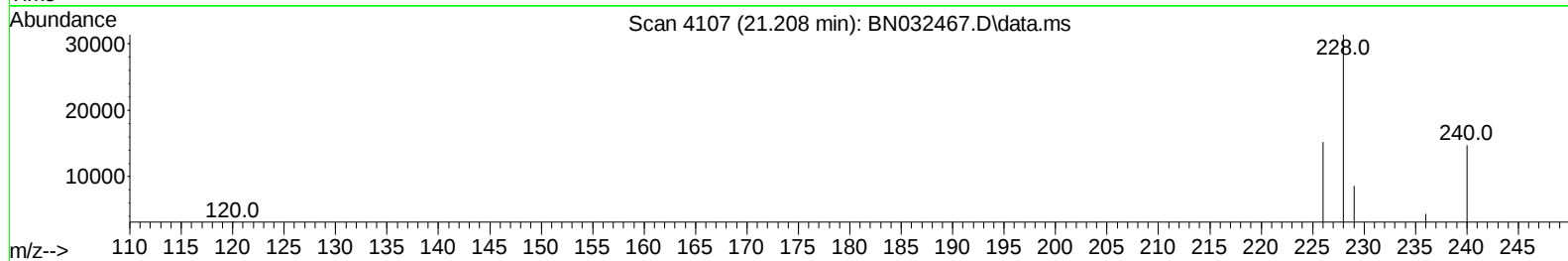
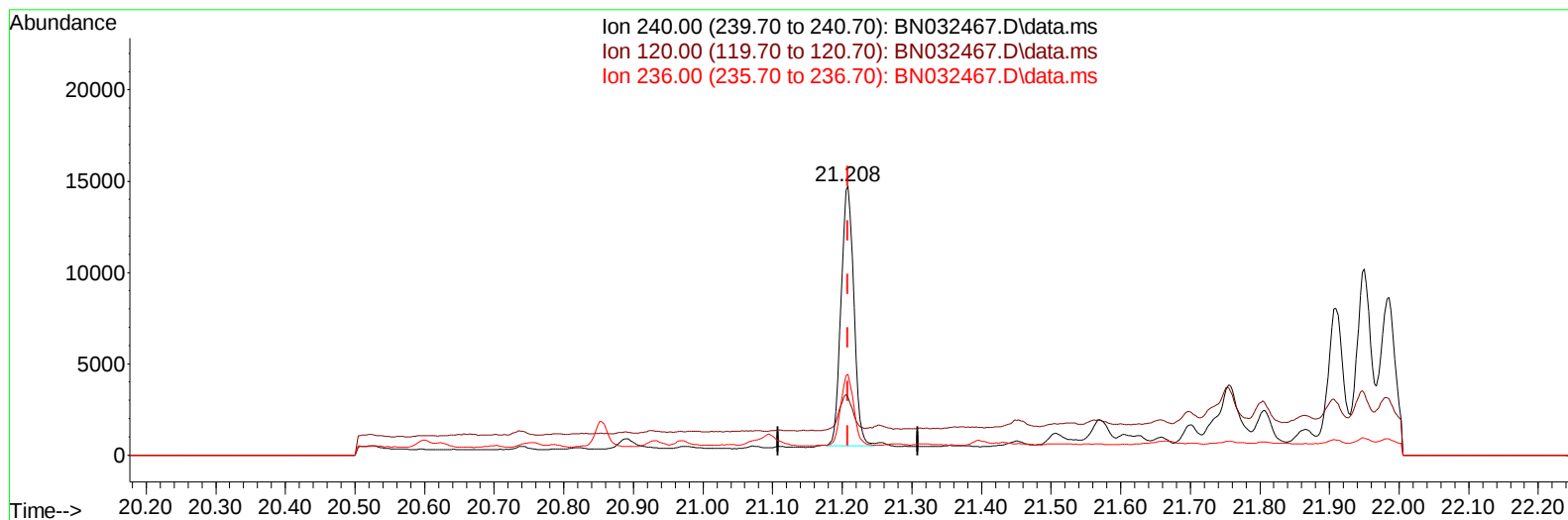
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(17) Chrysene-d12

21.208min (-0.000) 0.40 ng/ul m

response 18245

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	21.50#
236.00	28.40	30.06
0.00	0.00	0.00

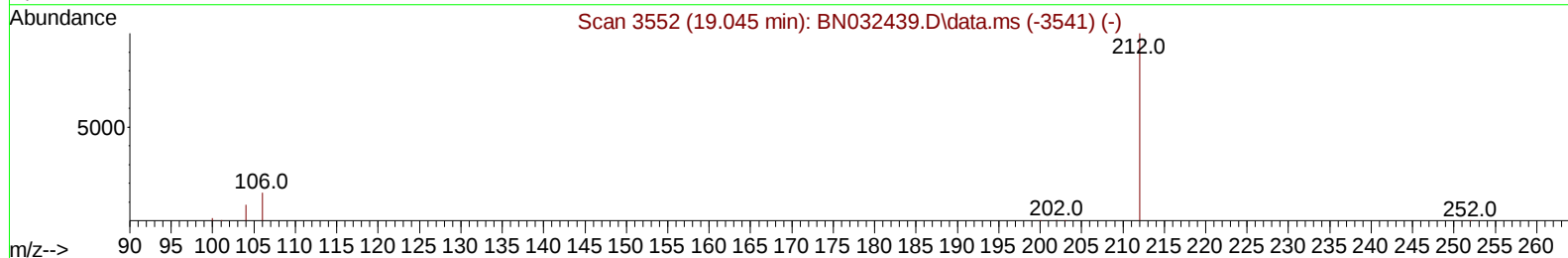
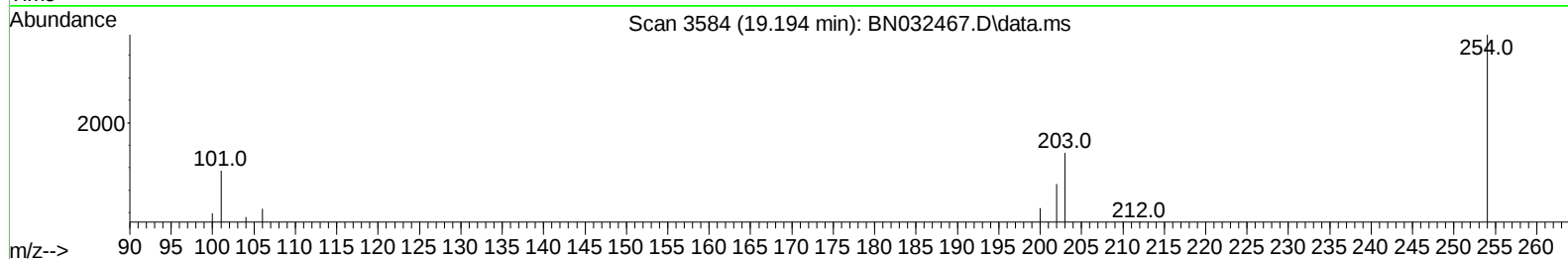
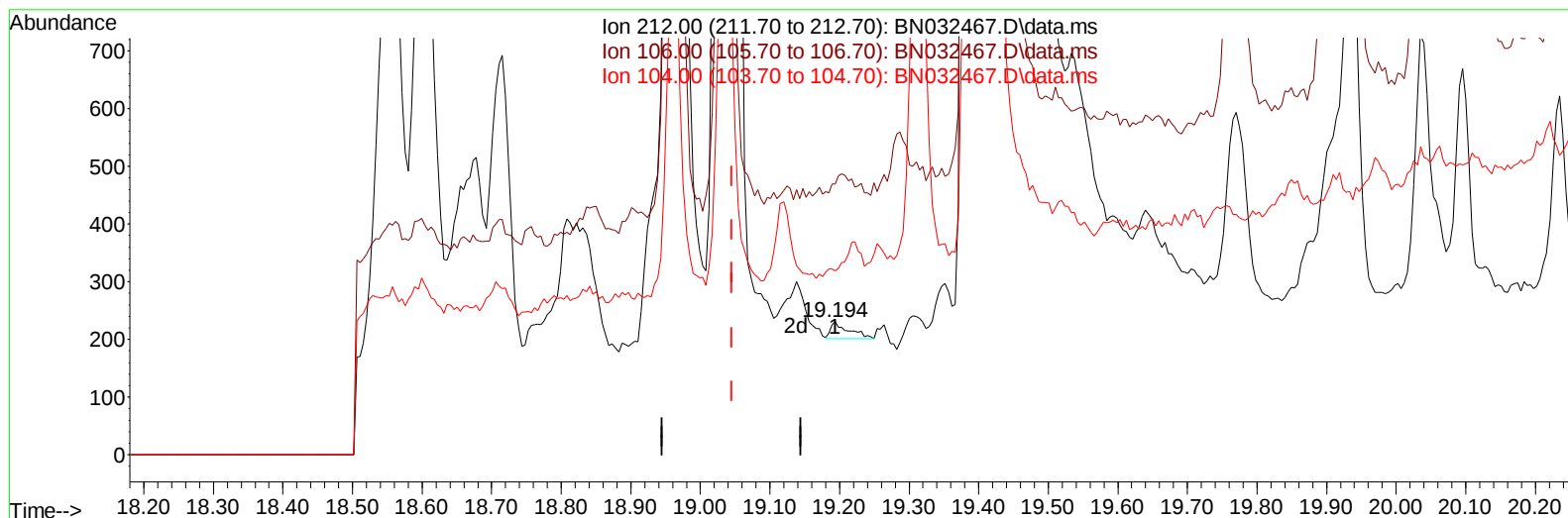
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
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TIC: BN032467.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.194min (+ 0.149) 0.00 ng/u1

response 55

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.70	132.73#
104.00	8.40	0.00#
0.00	0.00	0.00

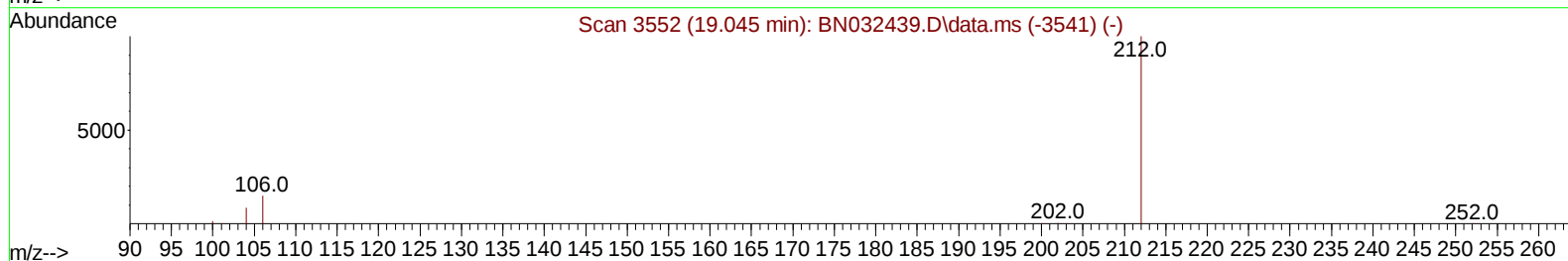
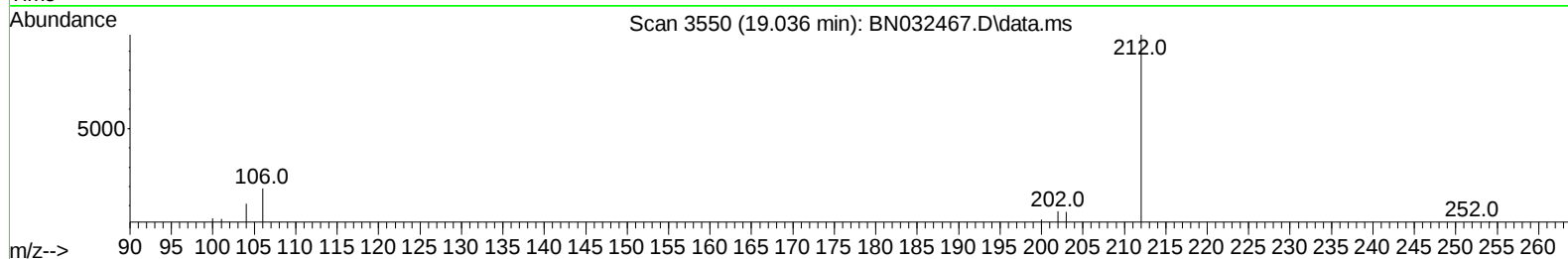
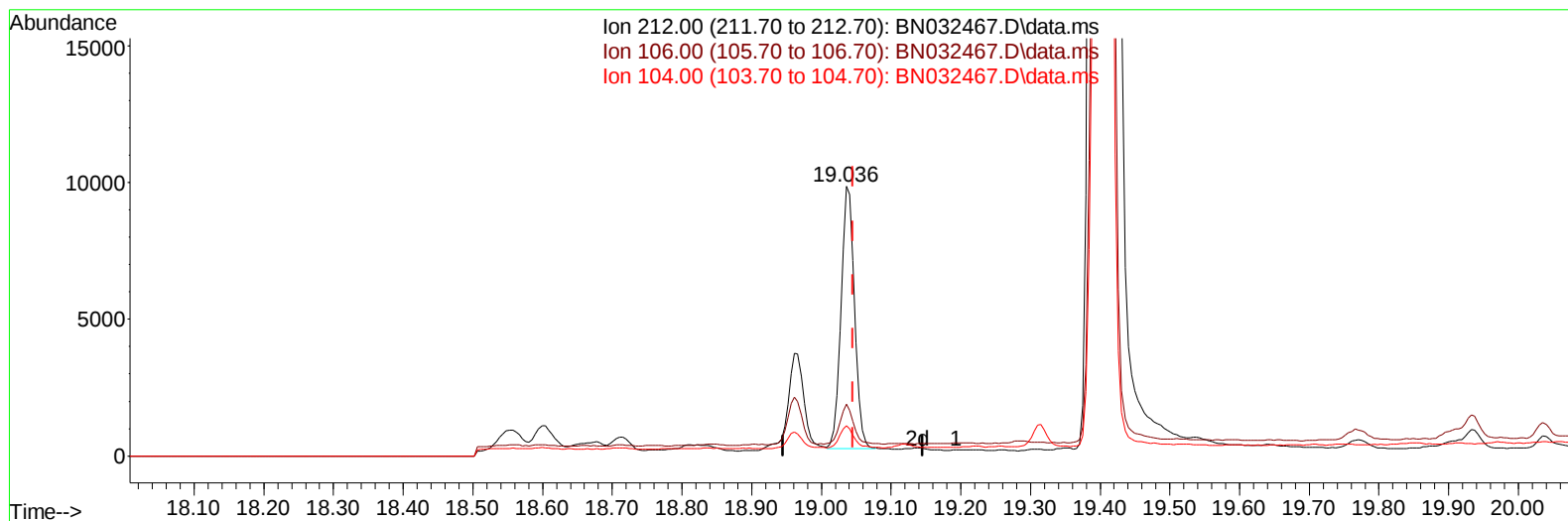
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.036min (-0.009) 0.24 ng/ul m

response 13024

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.70	0.56#
104.00	8.40	0.00#
0.00	0.00	0.00

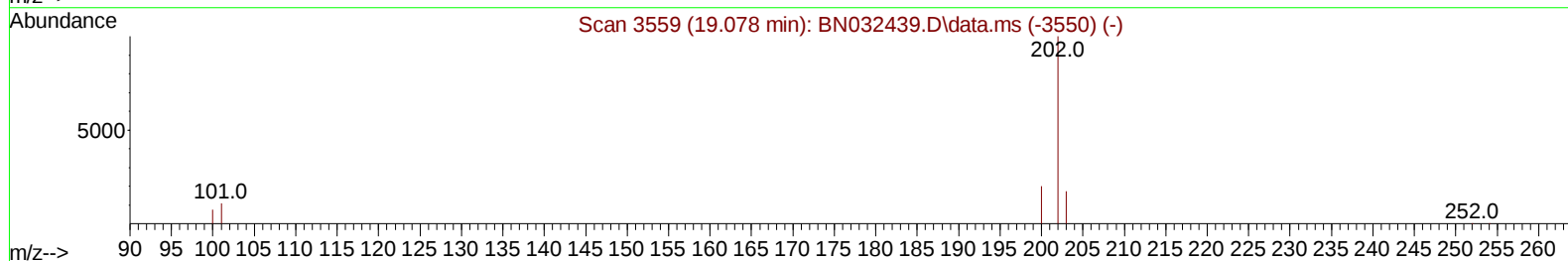
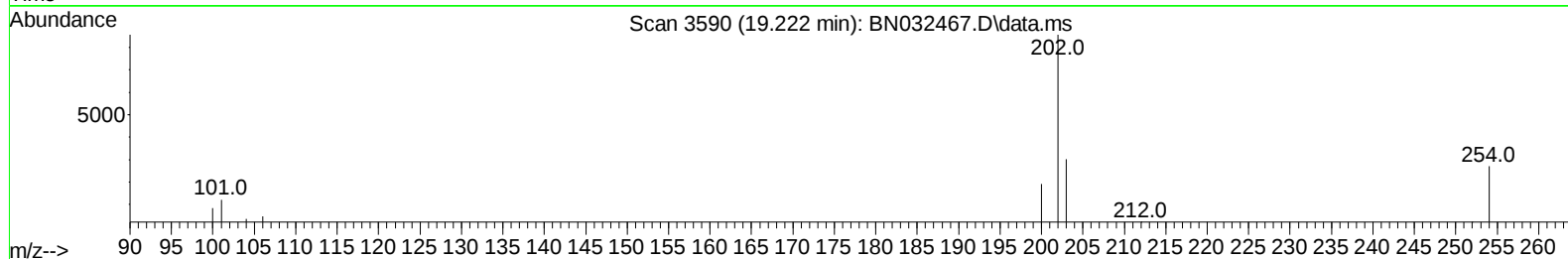
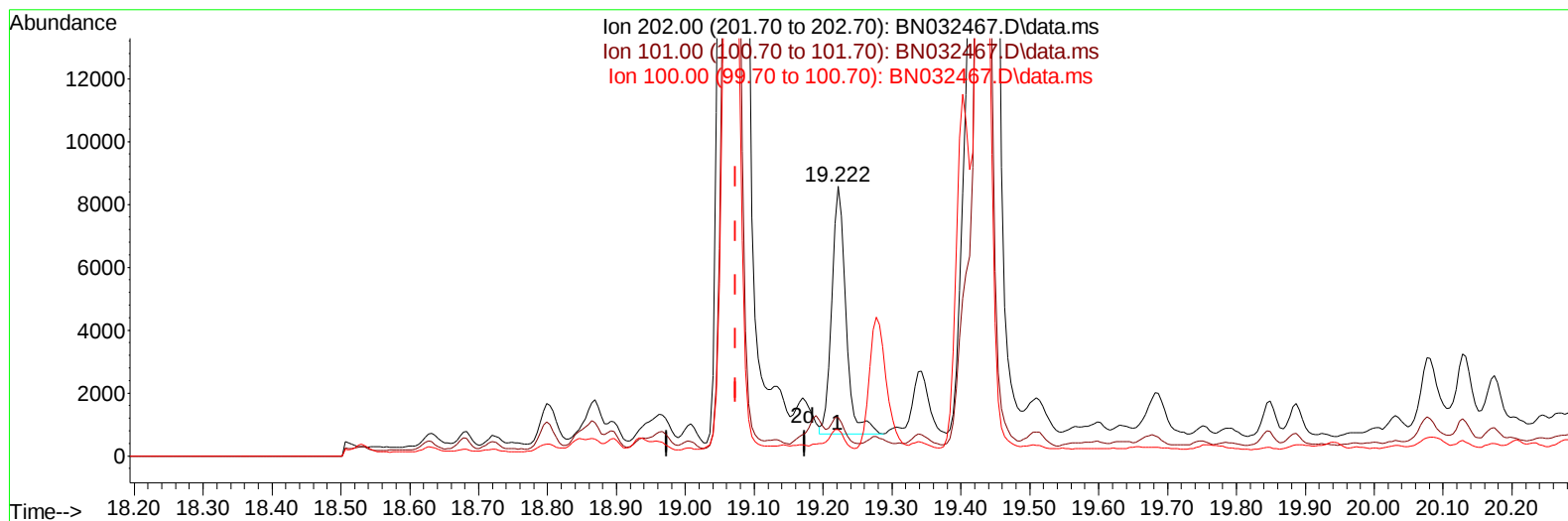
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
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Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(19) Fluoranthene (C)

19.222min (+ 0.149) 0.16 ng/u1

response 11312

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.00	14.25#
100.00	8.00	9.79#
0.00	0.00	0.00

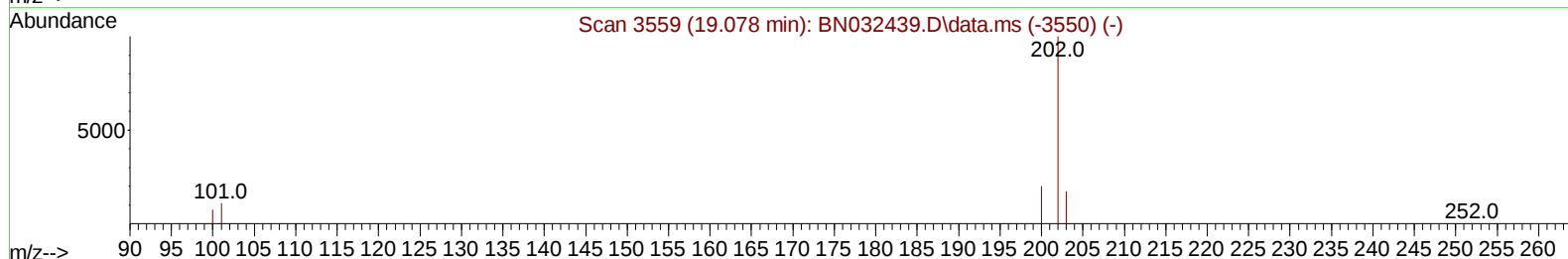
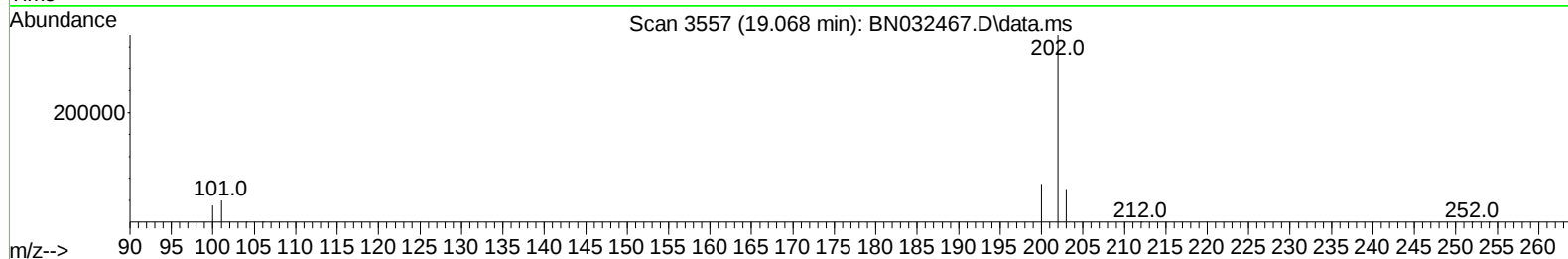
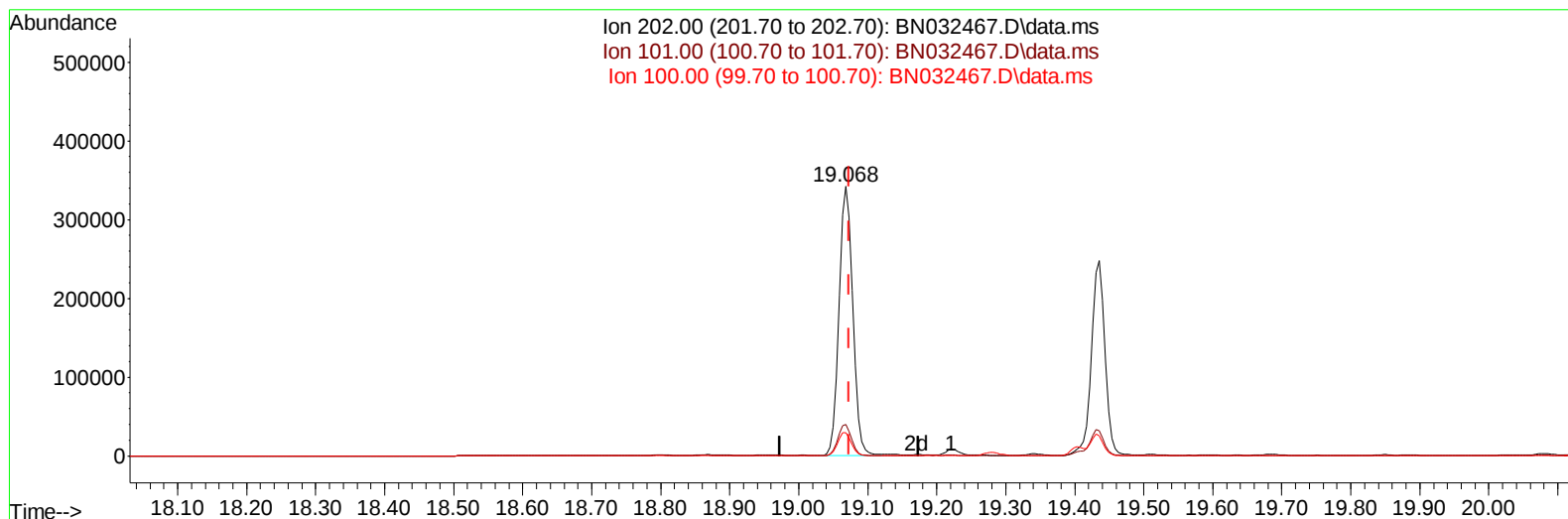
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(19) Fluoranthene (C)

19.068min (-0.005) 6.86 ng/u1 m

response 476938

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.00	11.60
100.00	8.00	8.70
0.00	0.00	0.00

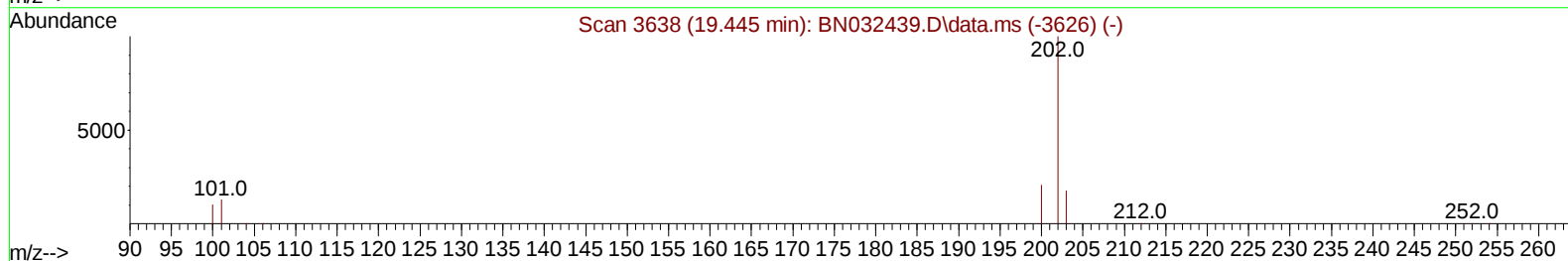
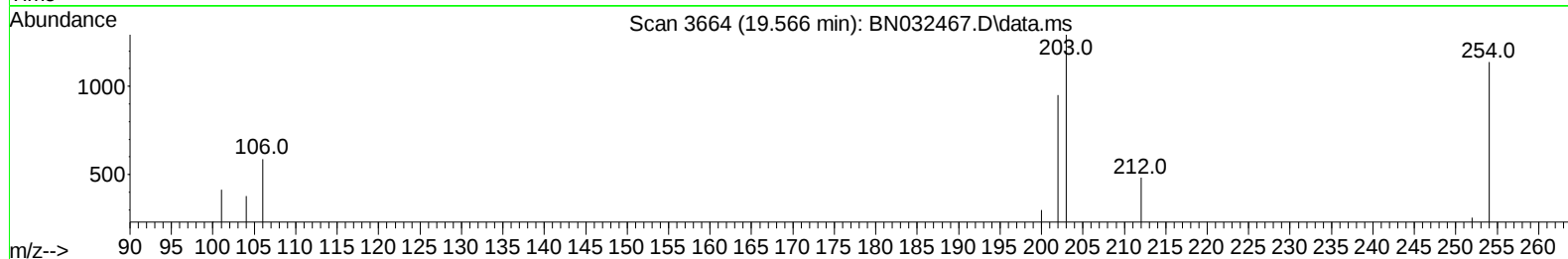
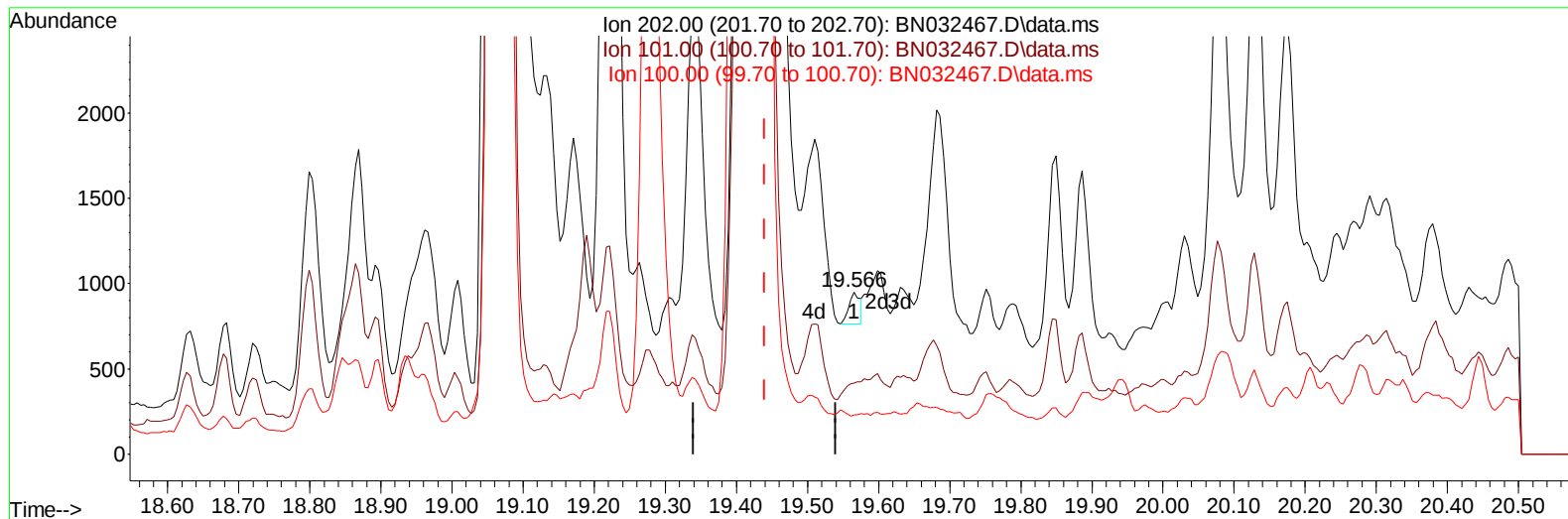
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(20) Pyrene

19.566min (+ 0.125) 0.00 ng/u1

response 208

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	43.79#
100.00	10.90	24.32#
0.00	0.00	0.00

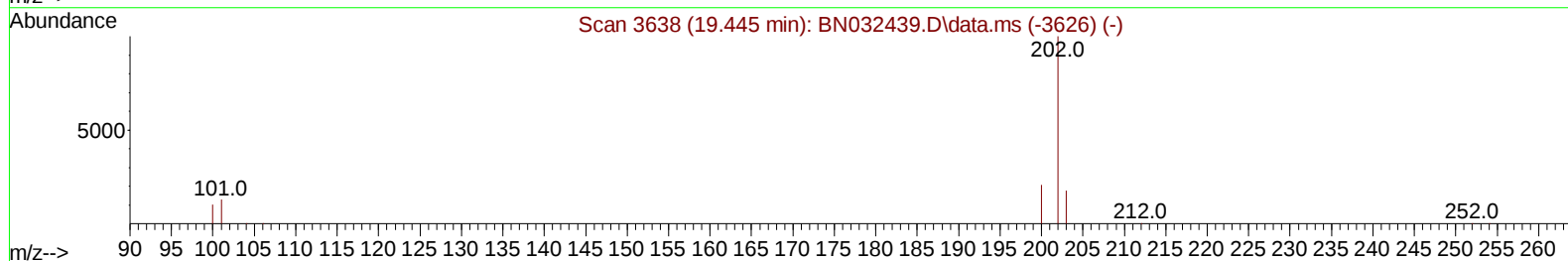
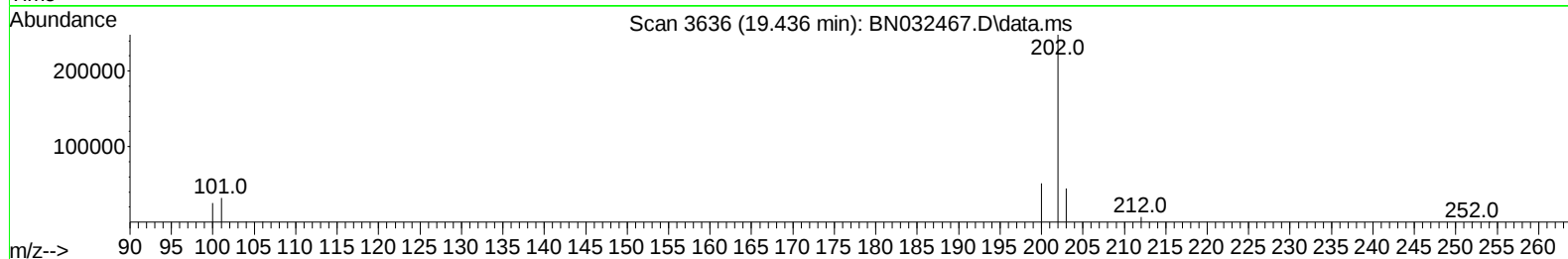
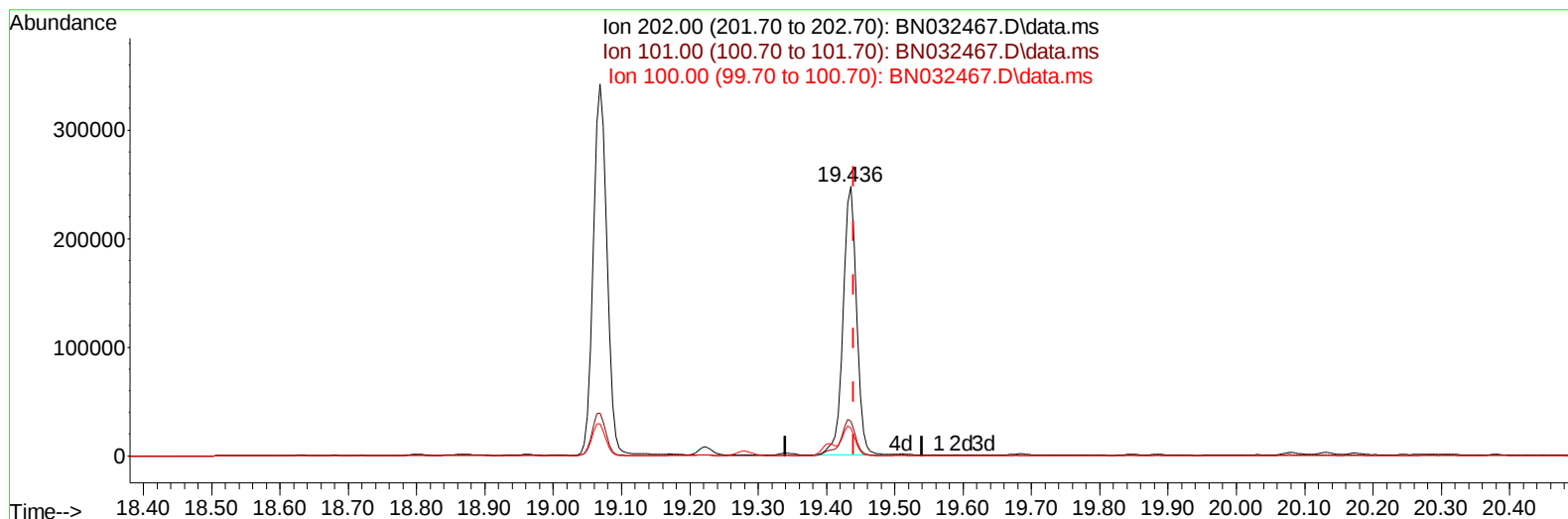
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(20) Pyrene

19.436min (-0.005) 4.70 ng/u1 m

response 341603

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	12.91
100.00	10.90	10.31
0.00	0.00	0.00

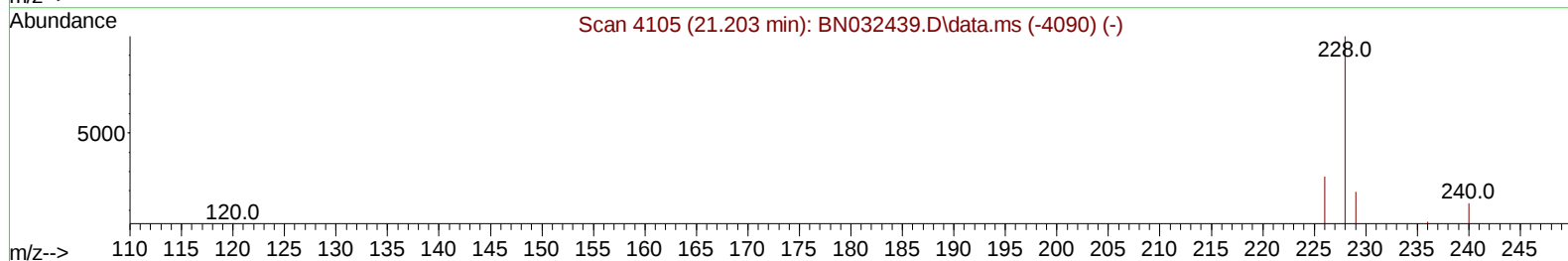
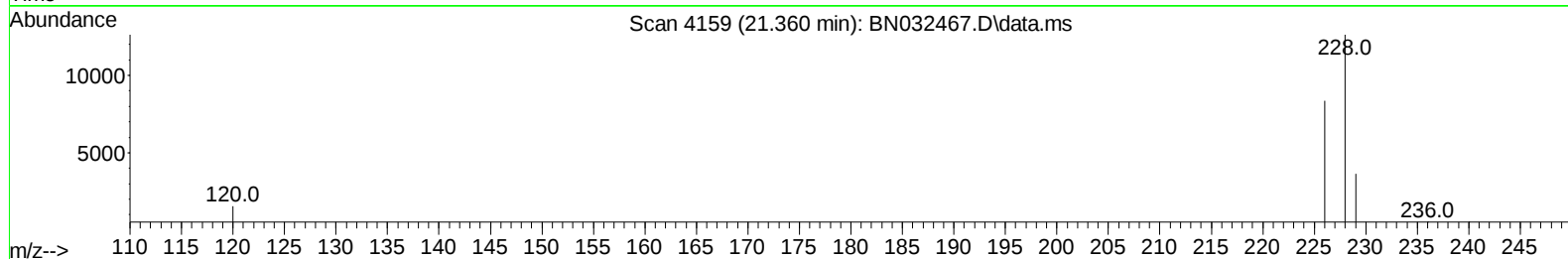
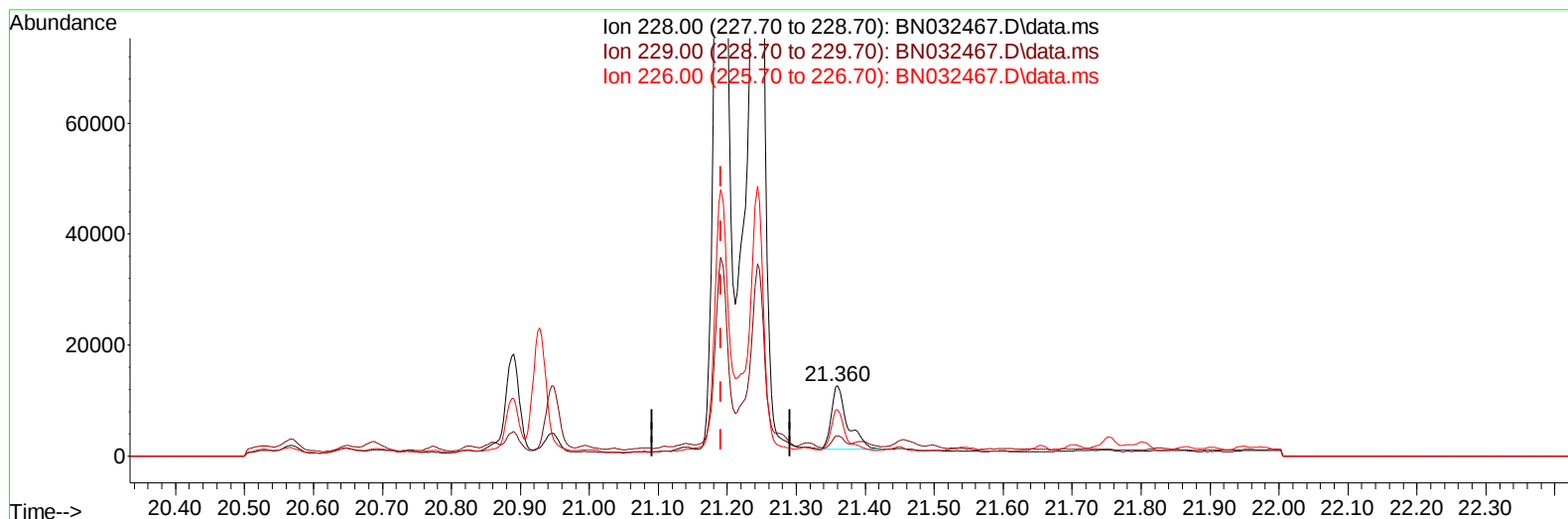
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(21) Benzo(a)anthracene

21.360min (+ 0.169) 0.29 ng/u1

response 18772

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	28.96#
226.00	27.30	66.12#
0.00	0.00	0.00

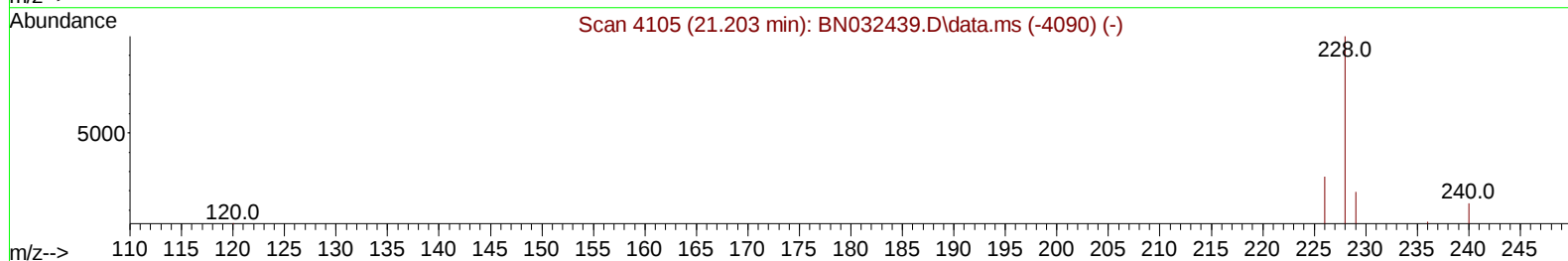
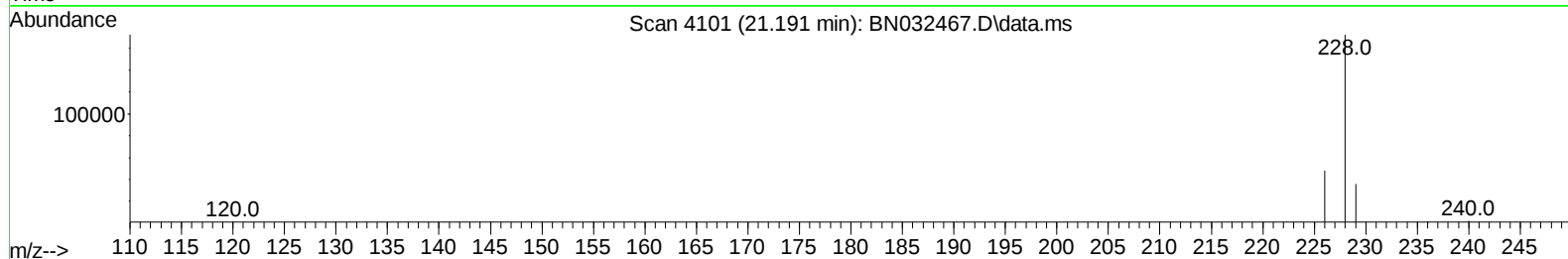
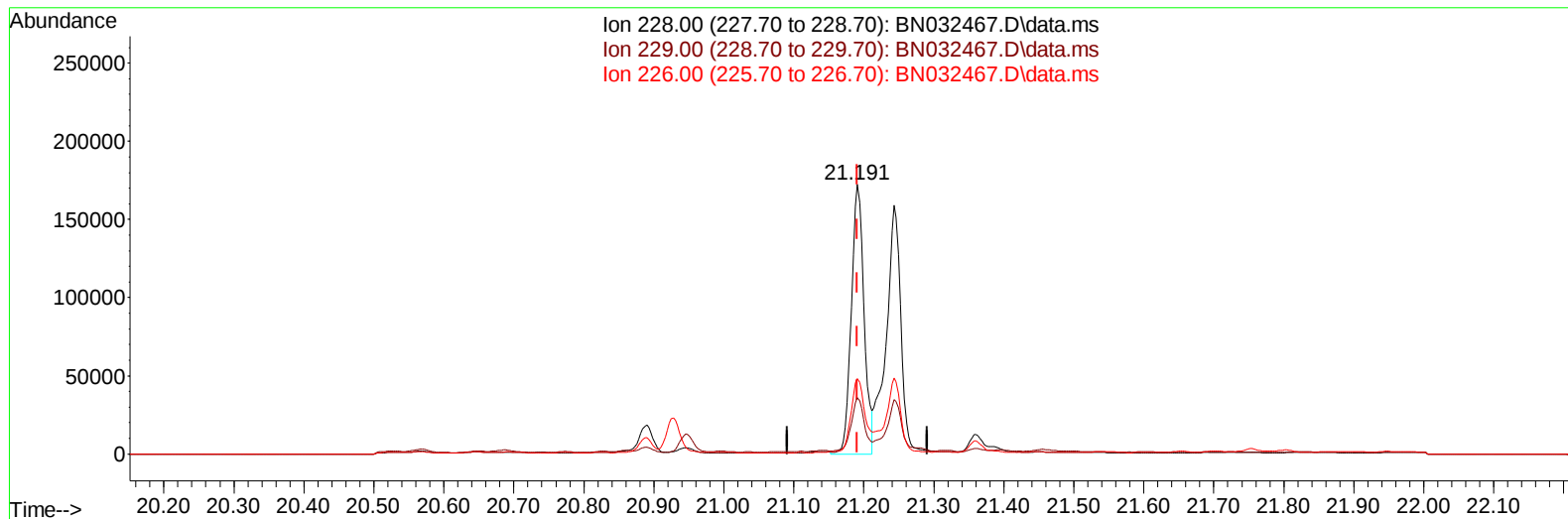
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(21) Benzo(a)anthracene

21.191min (-0.000) 3.30 ng/u1 m

response 217402

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.78
226.00	27.30	27.90
0.00	0.00	0.00

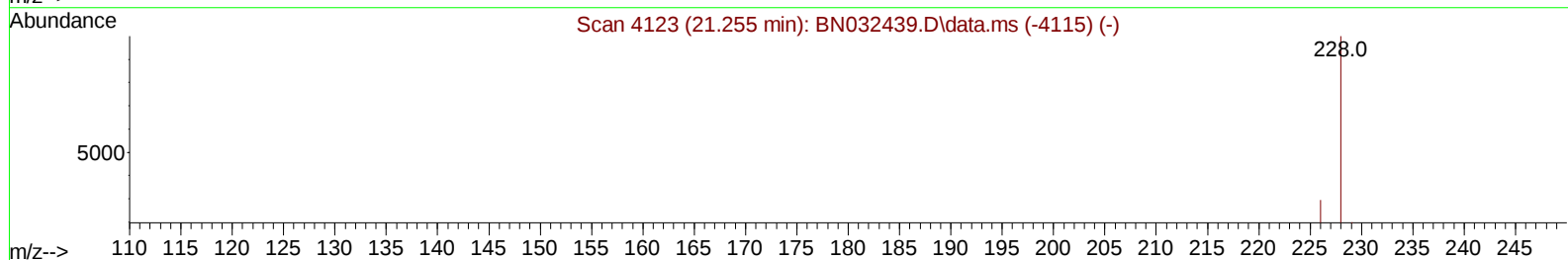
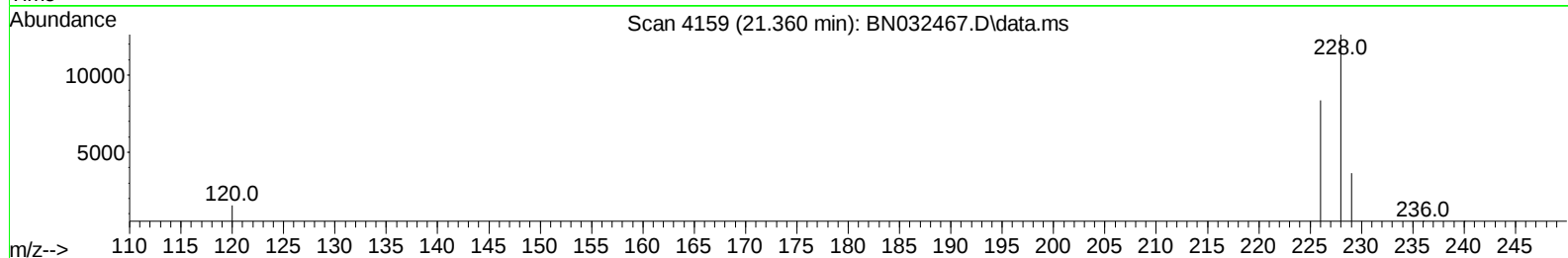
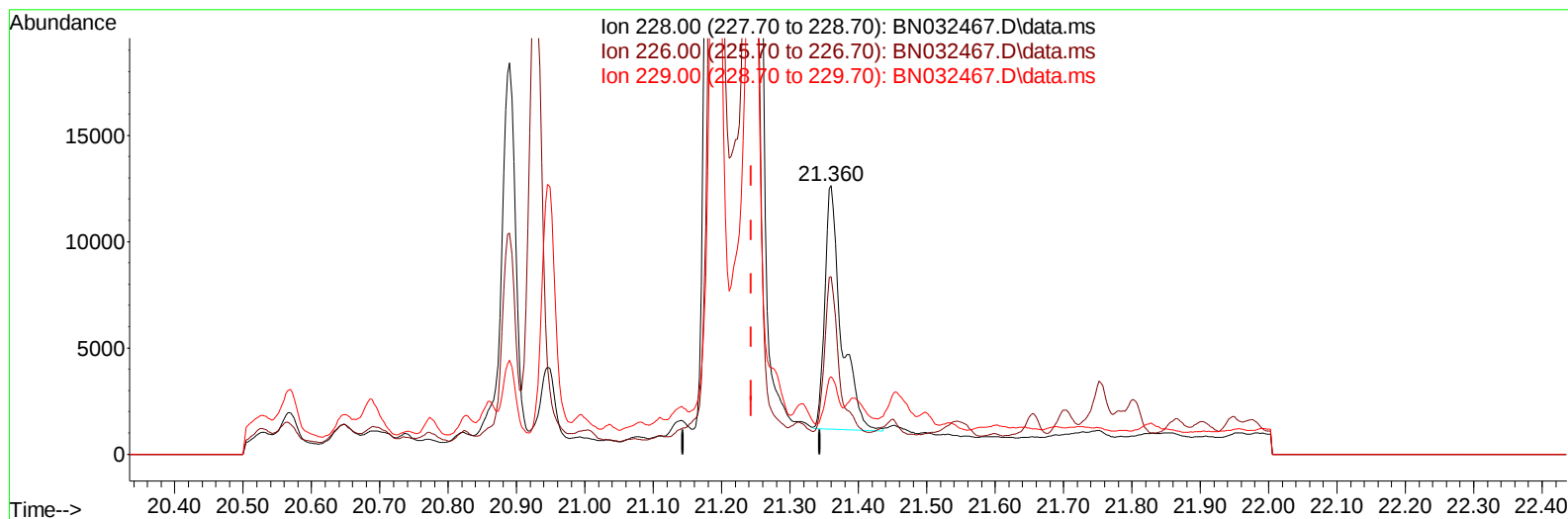
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(22) Chrysene

21.360min (+ 0.117) 0.27 ng/u1

response 19221

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	66.12#
229.00	19.60	28.96#
0.00	0.00	0.00

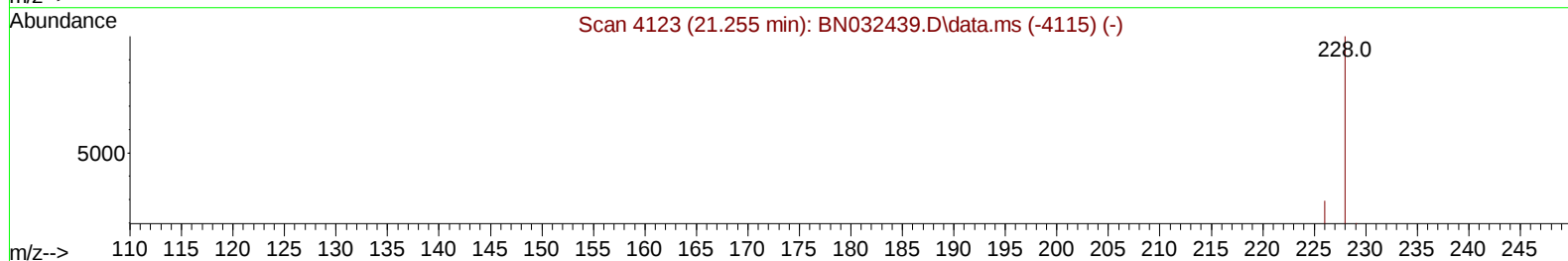
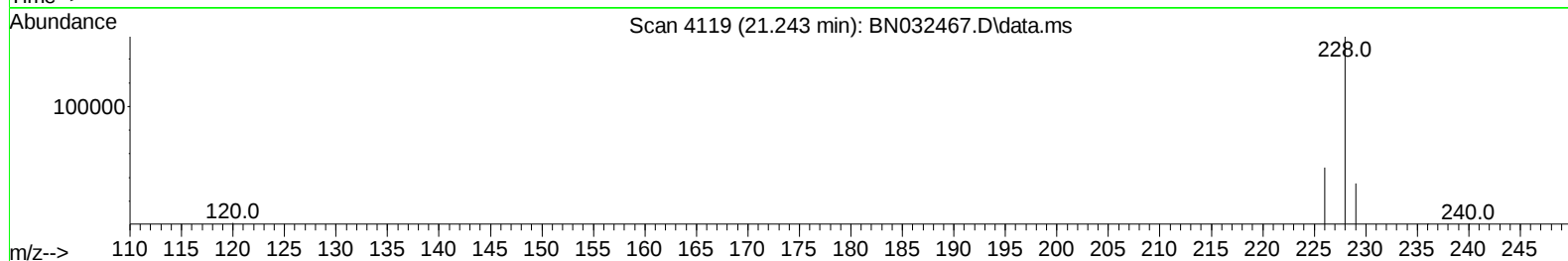
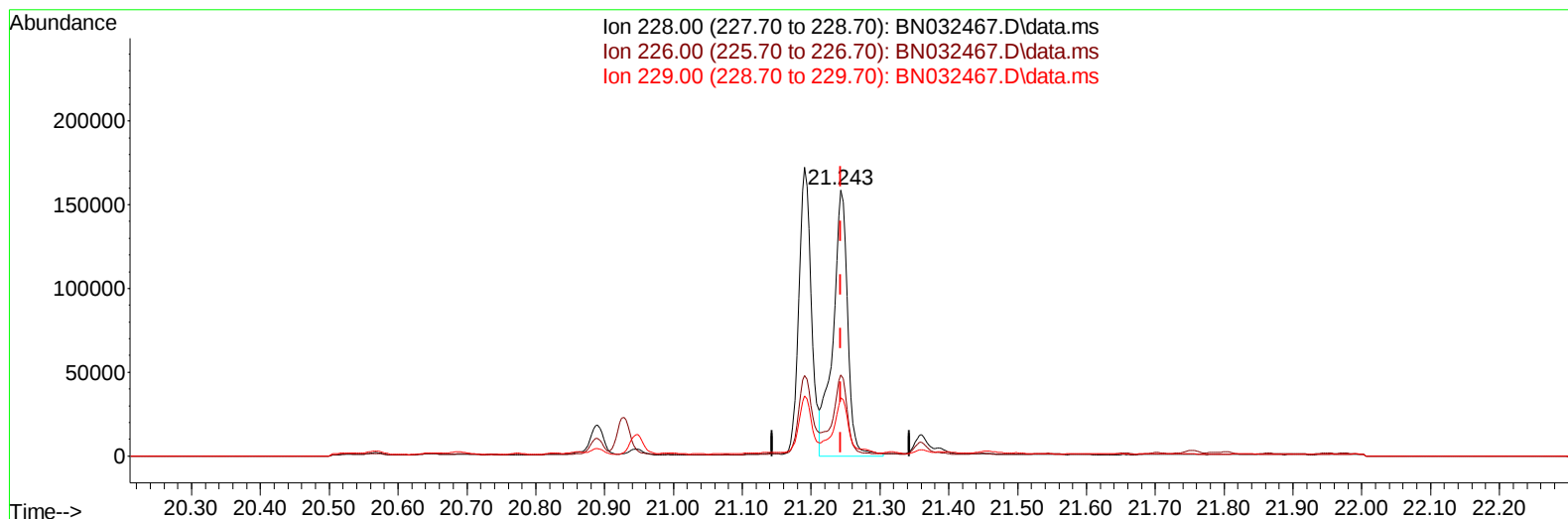
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(22) Chrysene

21.243min (-0.000) 3.30 ng/ul m

response 238321

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	30.58
229.00	19.60	21.84
0.00	0.00	0.00

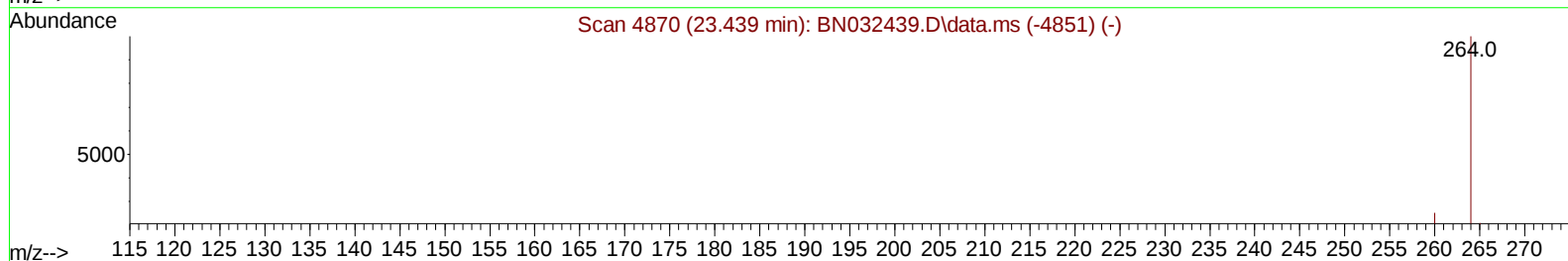
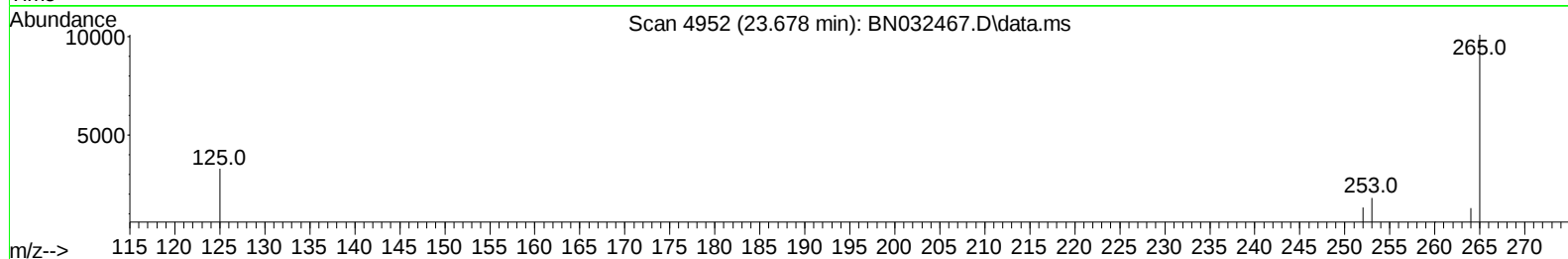
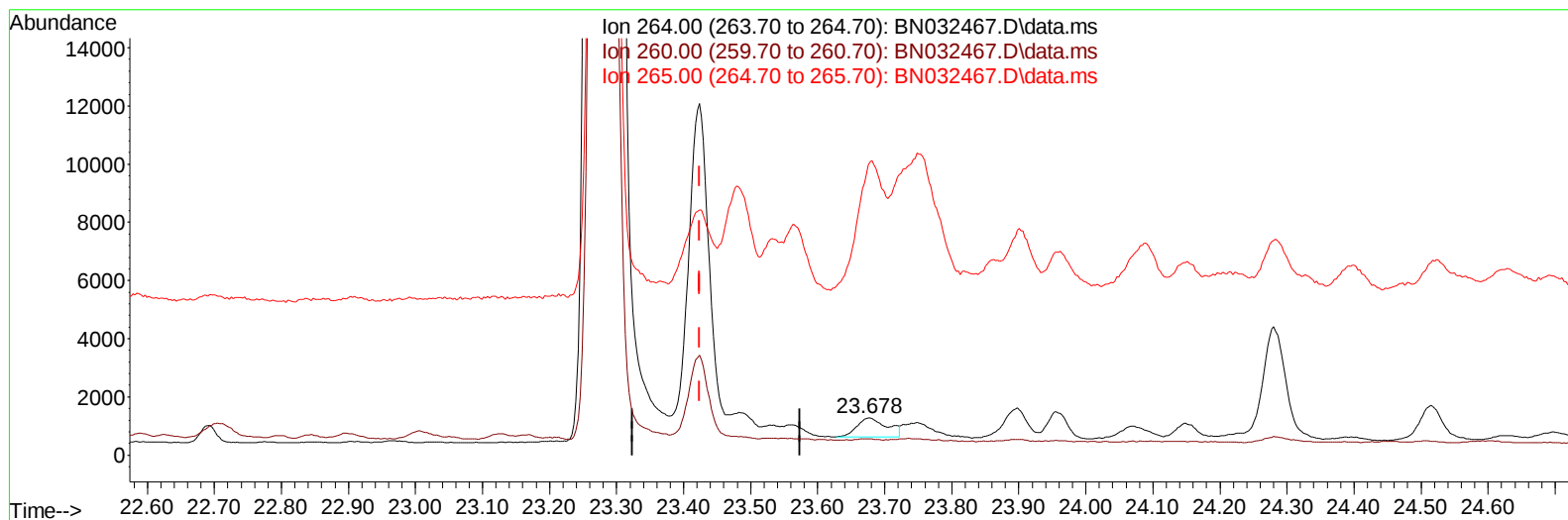
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(23) Perylene-d12 (I)

23.678min (+ 0.254) 0.40 ng/u1

response 2086

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	44.32#
265.00	67.20	789.51#
0.00	0.00	0.00

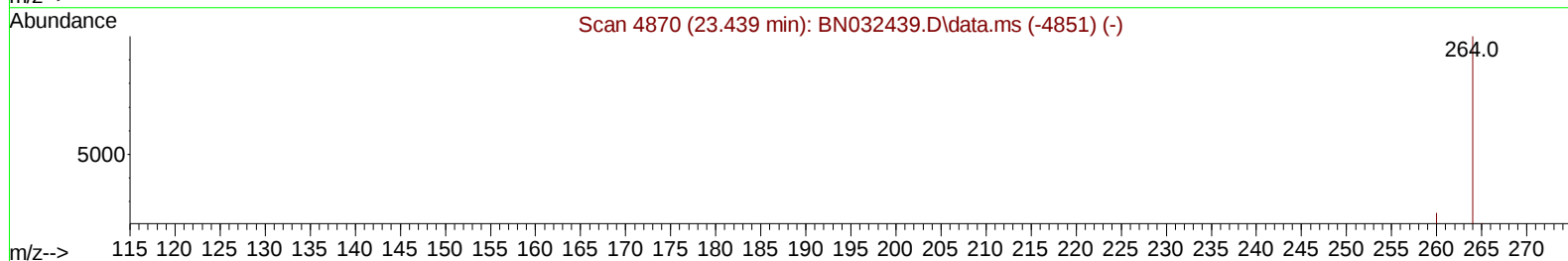
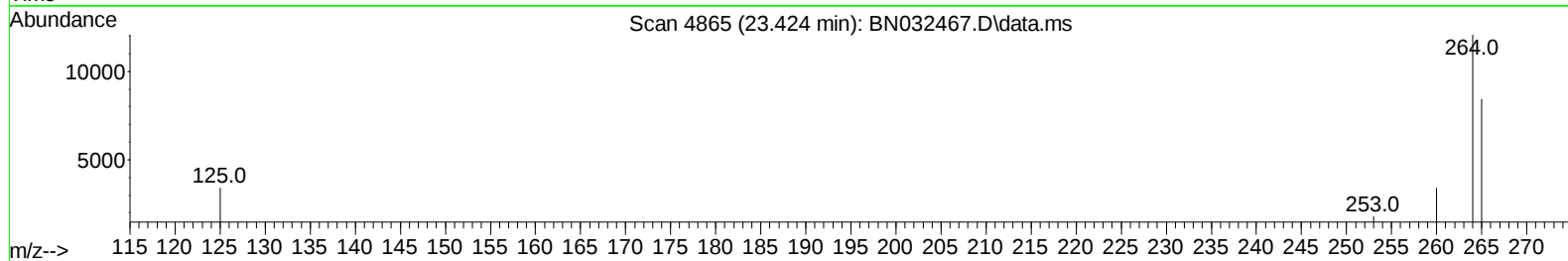
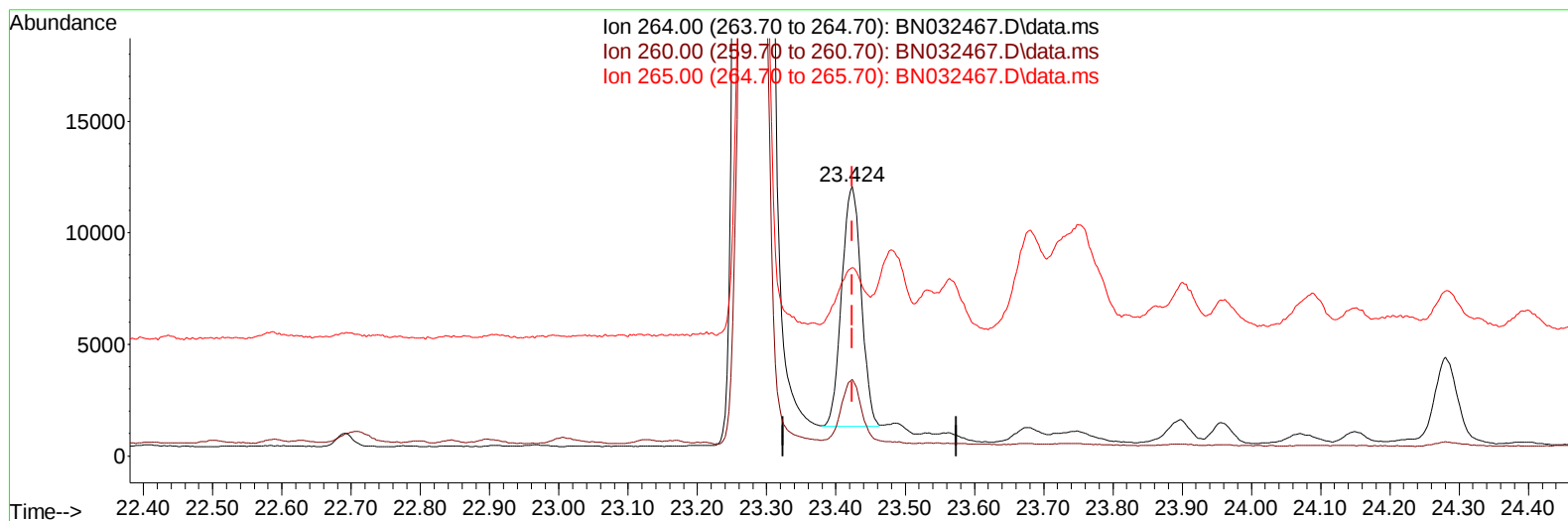
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(23) Perylene-d12 (I)

23.424min (-0.000) 0.40 ng/u1 m

response 21148

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	28.40
265.00	67.20	69.84
0.00	0.00	0.00

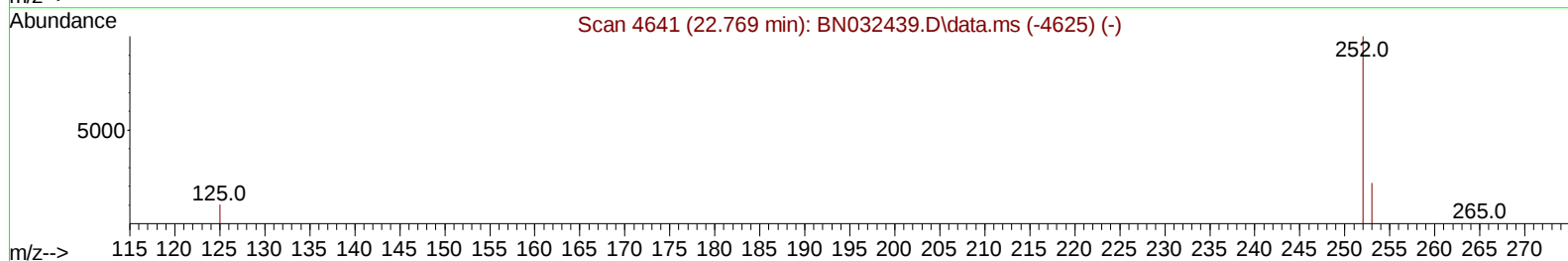
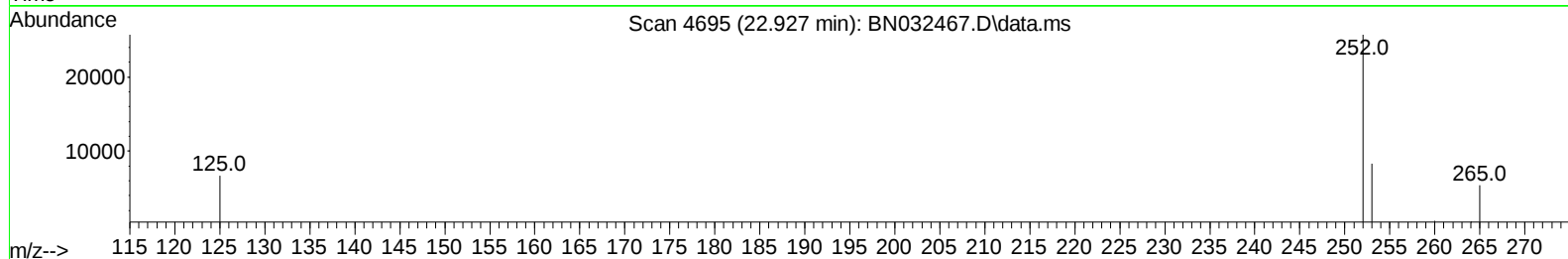
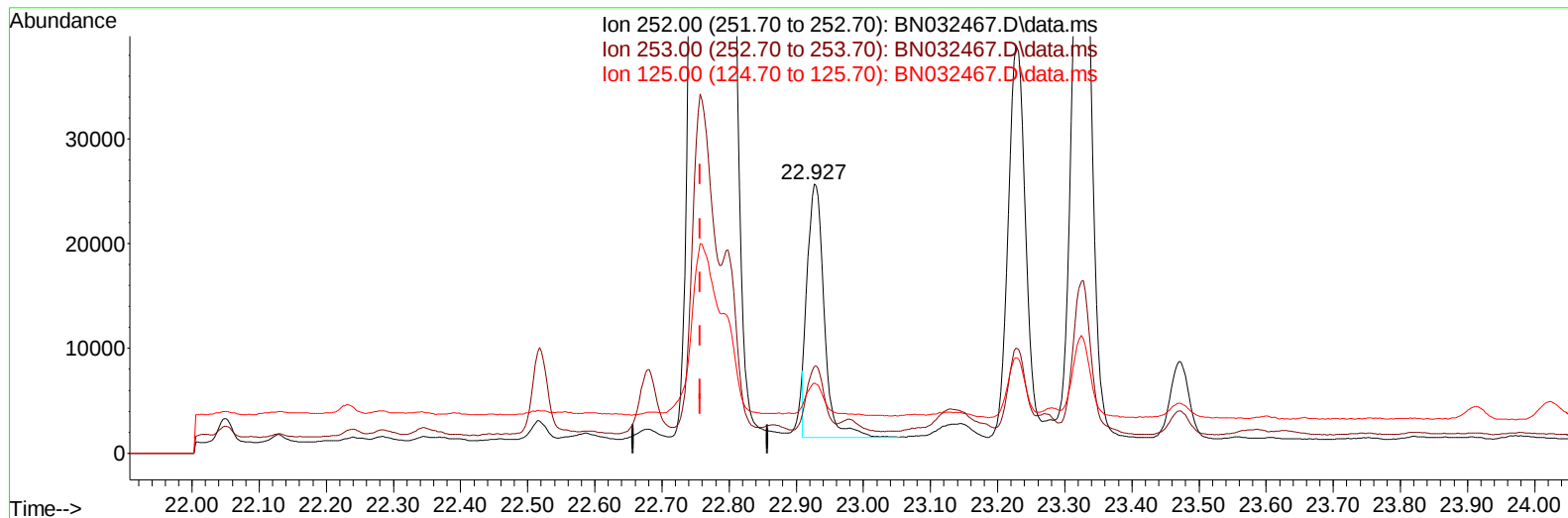
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(24) Benzo(b)fluoranthene

22.927min (+ 0.169) 0.46 ng/u1

response 42396

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	32.31
125.00	16.00	26.14
0.00	0.00	0.00

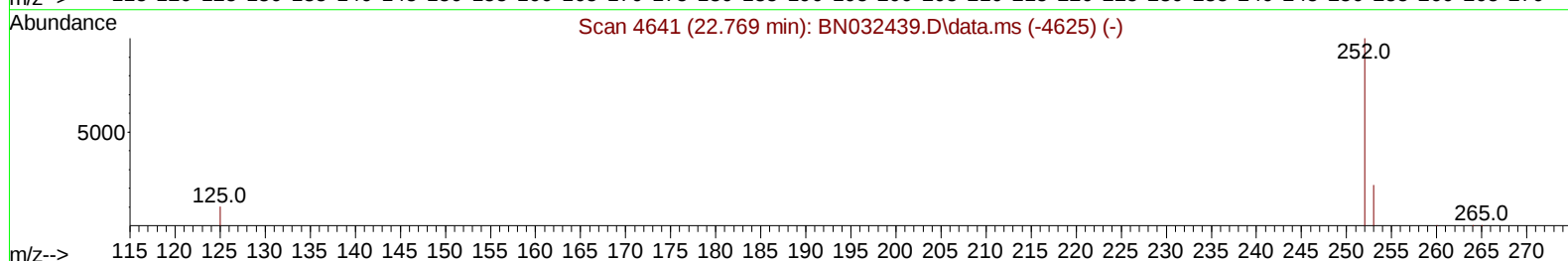
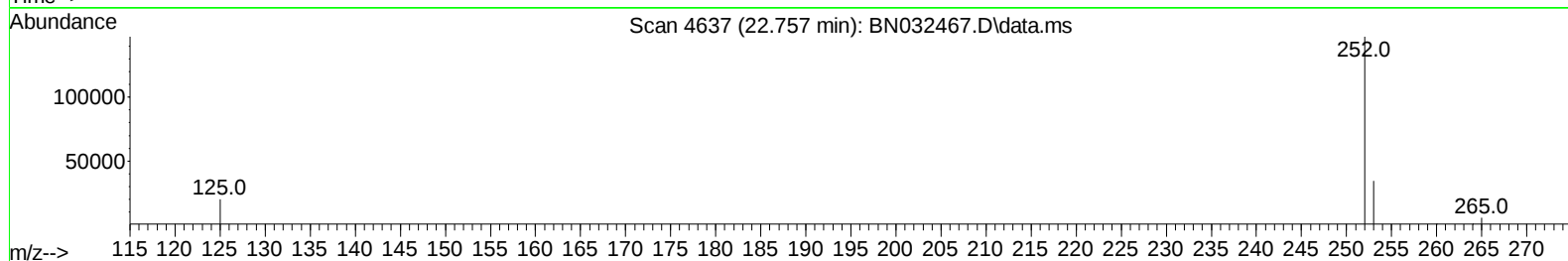
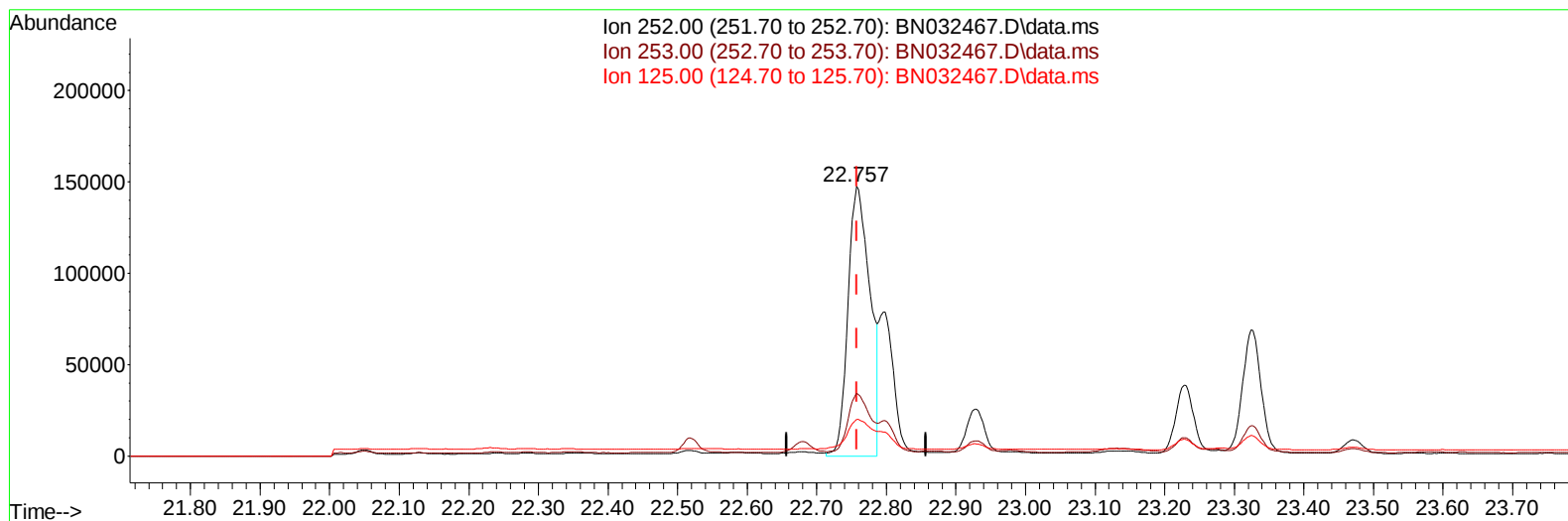
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(24) Benzo(b)fluoranthene

22.757min (-0.000) 3.52 ng/u1 m

response 323076

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.24
125.00	16.00	13.55
0.00	0.00	0.00

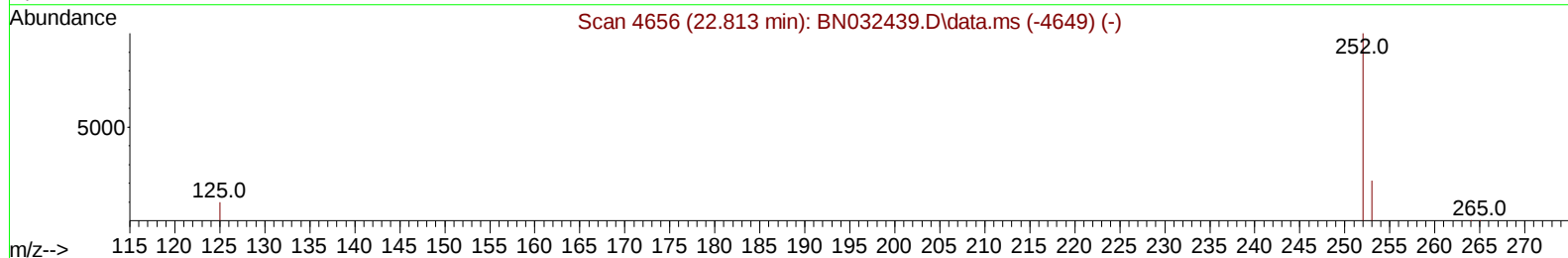
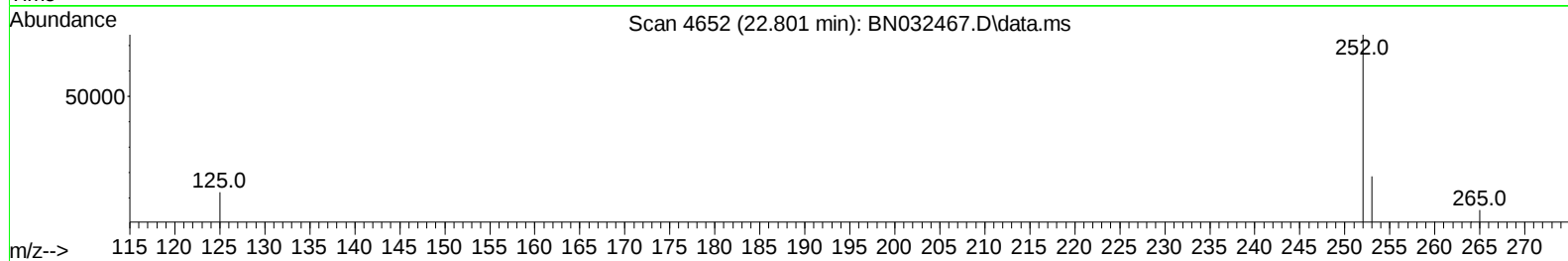
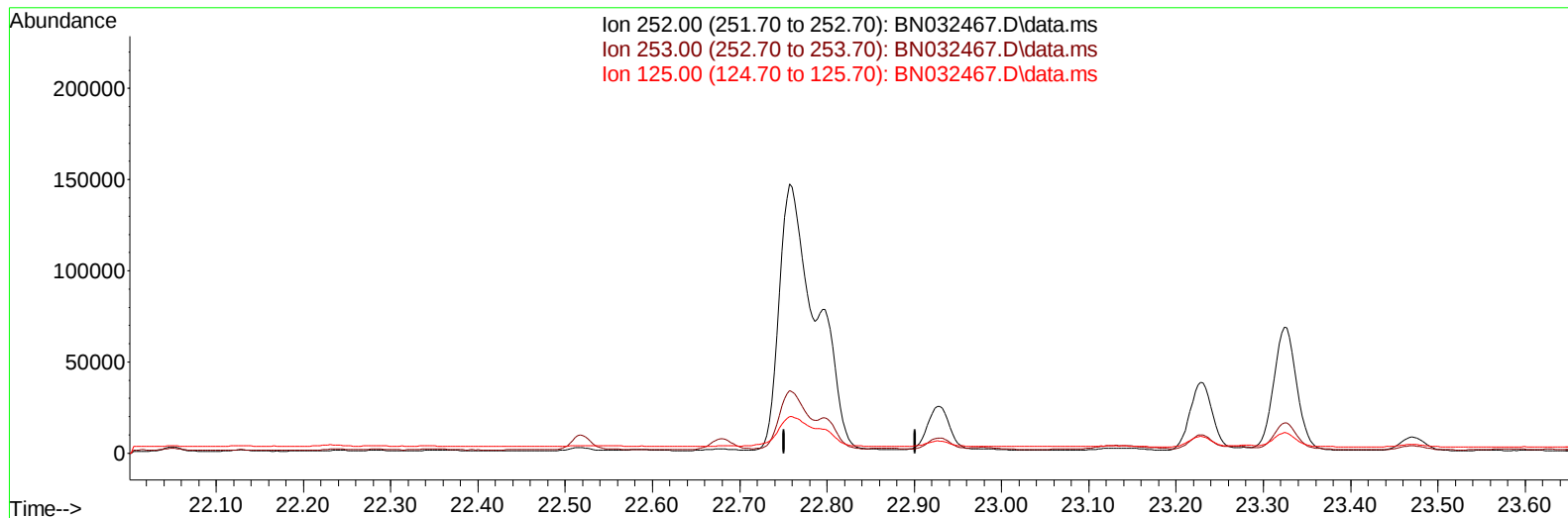
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-22.801) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	25.40	0.00#
125.00	16.00	0.00#
0.00	0.00	0.00

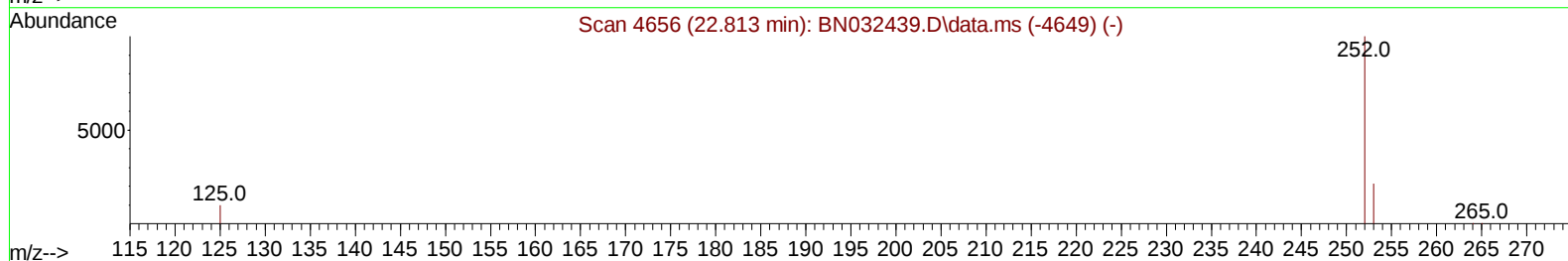
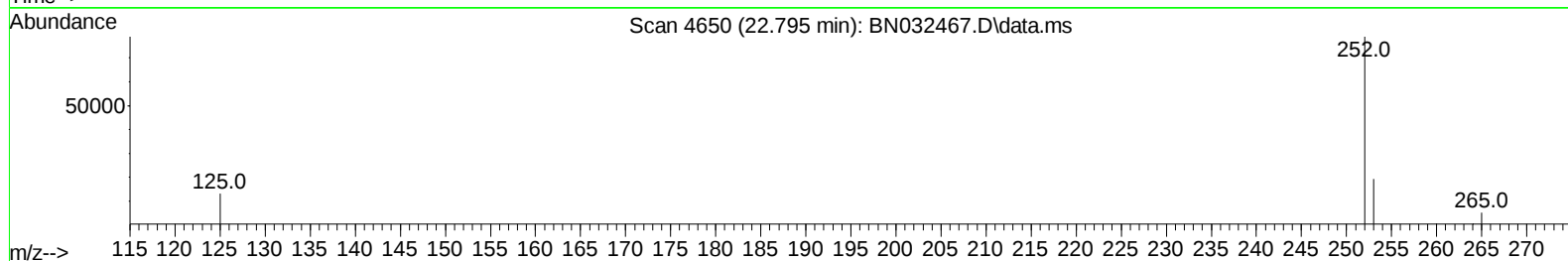
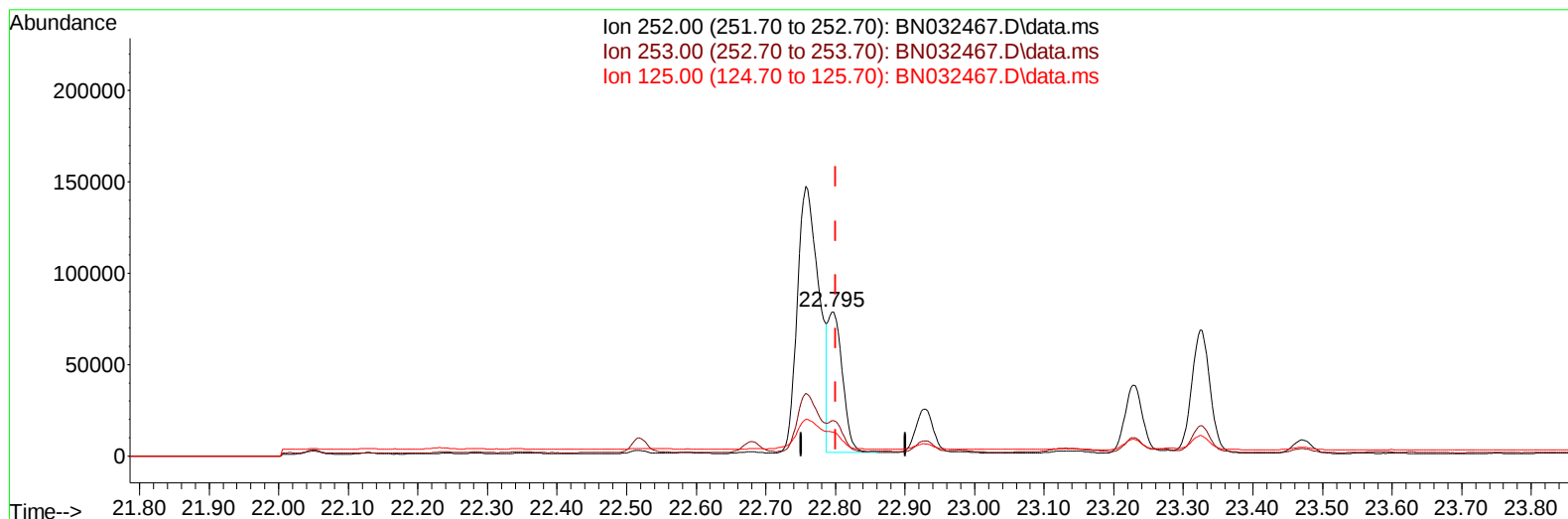
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(25) Benzo(k)fluoranthene

22.795min (-0.006) 1.26 ng/ul m

response 112634

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	24.50
125.00	16.00	16.75
0.00	0.00	0.00

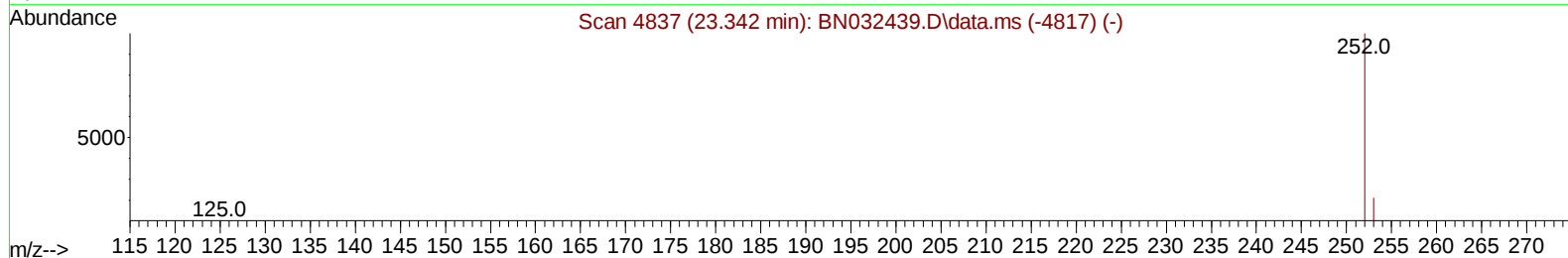
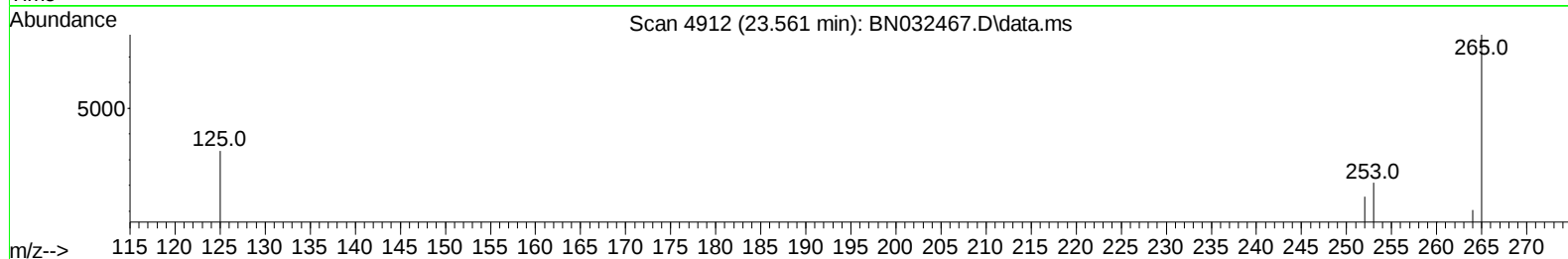
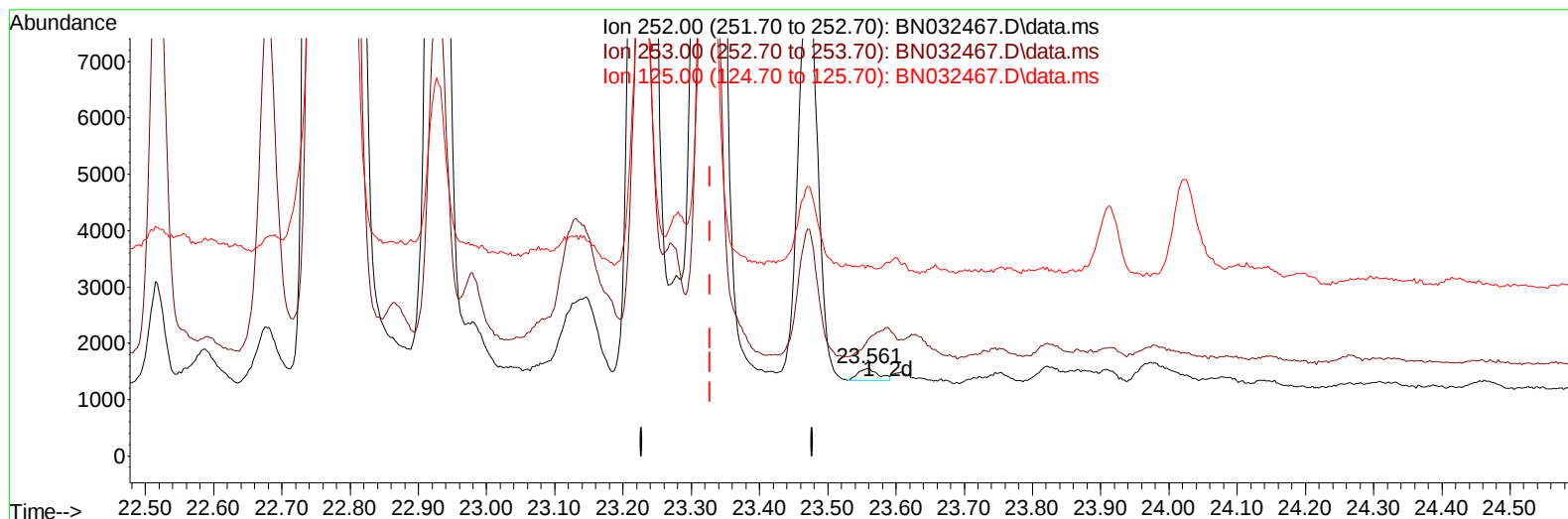
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(26) Benzo(a)pyrene (C)

23.561min (+ 0.234) 0.01 ng/u1

response 455

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.70	134.40#
125.00	20.50	214.67#
0.00	0.00	0.00

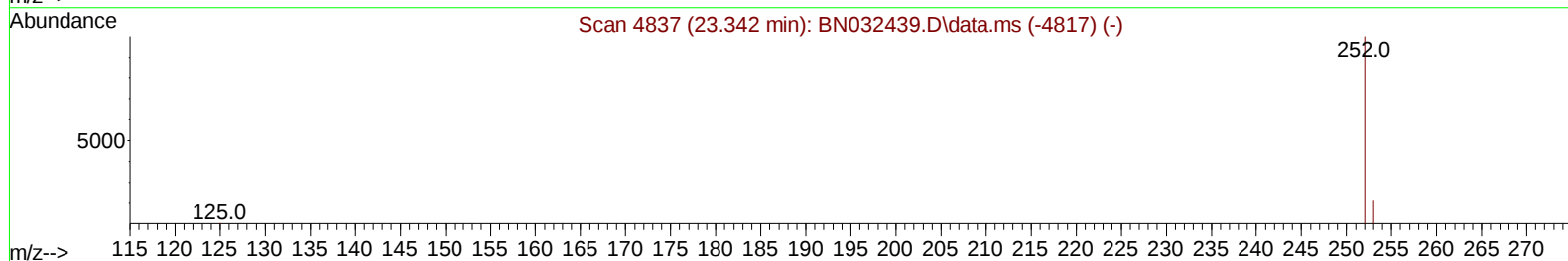
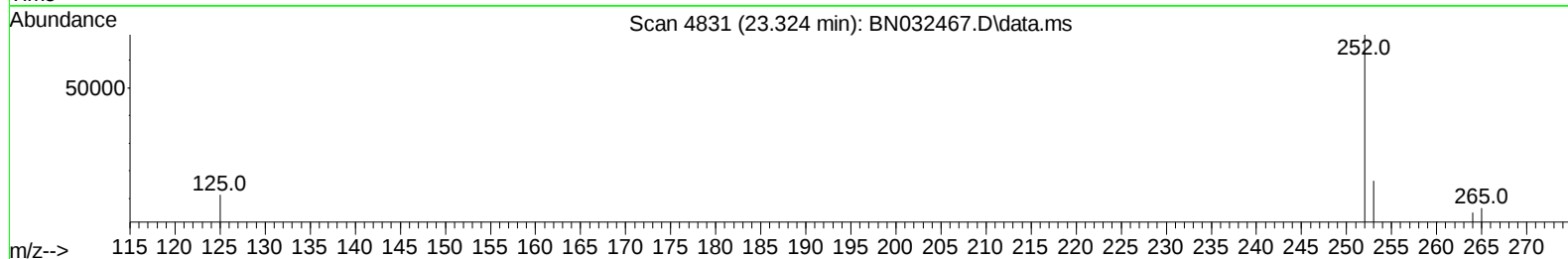
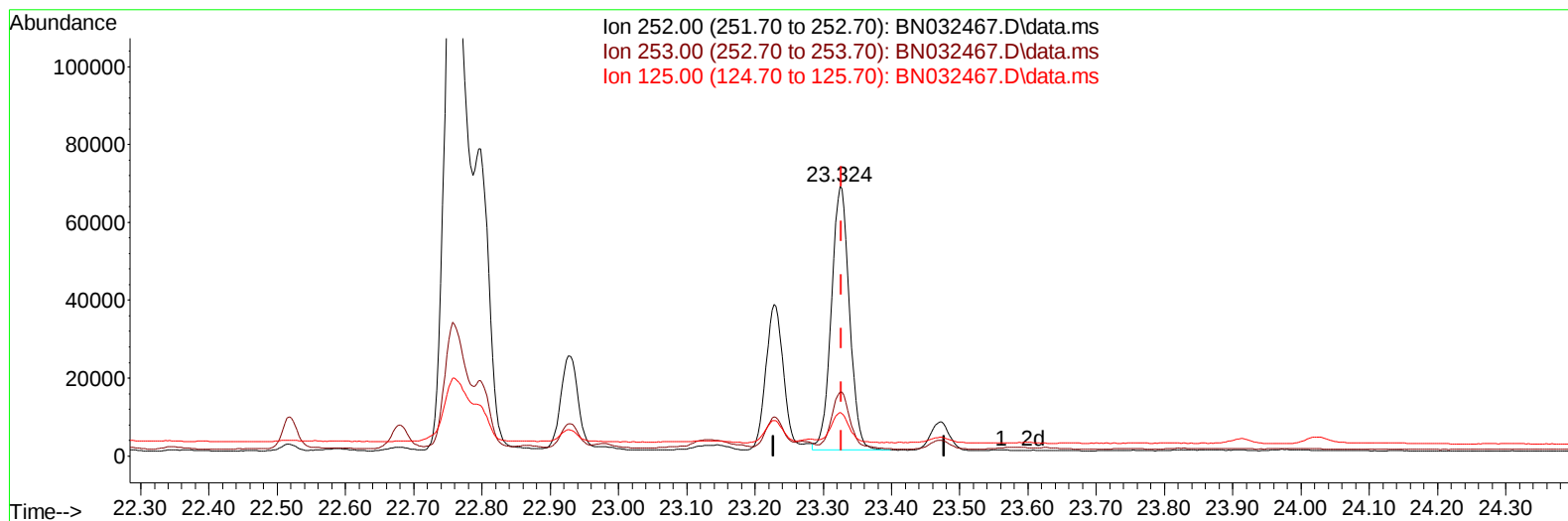
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(26) Benzo(a)pyrene (C)

23.324min (-0.003) 1.96 ng/u1 m

response 125544

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.70	23.71
125.00	20.50	16.21#
0.00	0.00	0.00

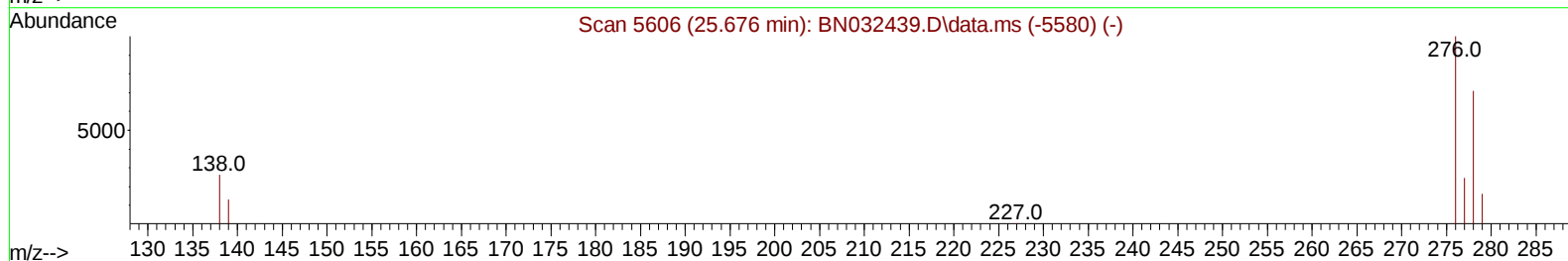
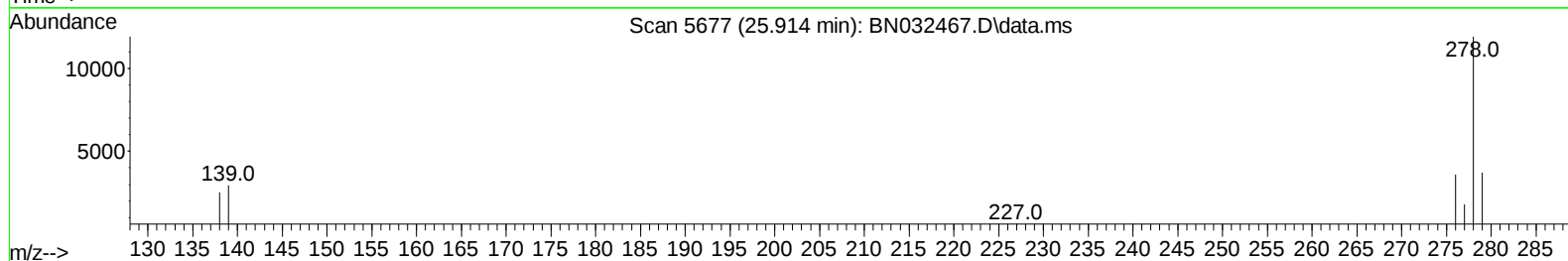
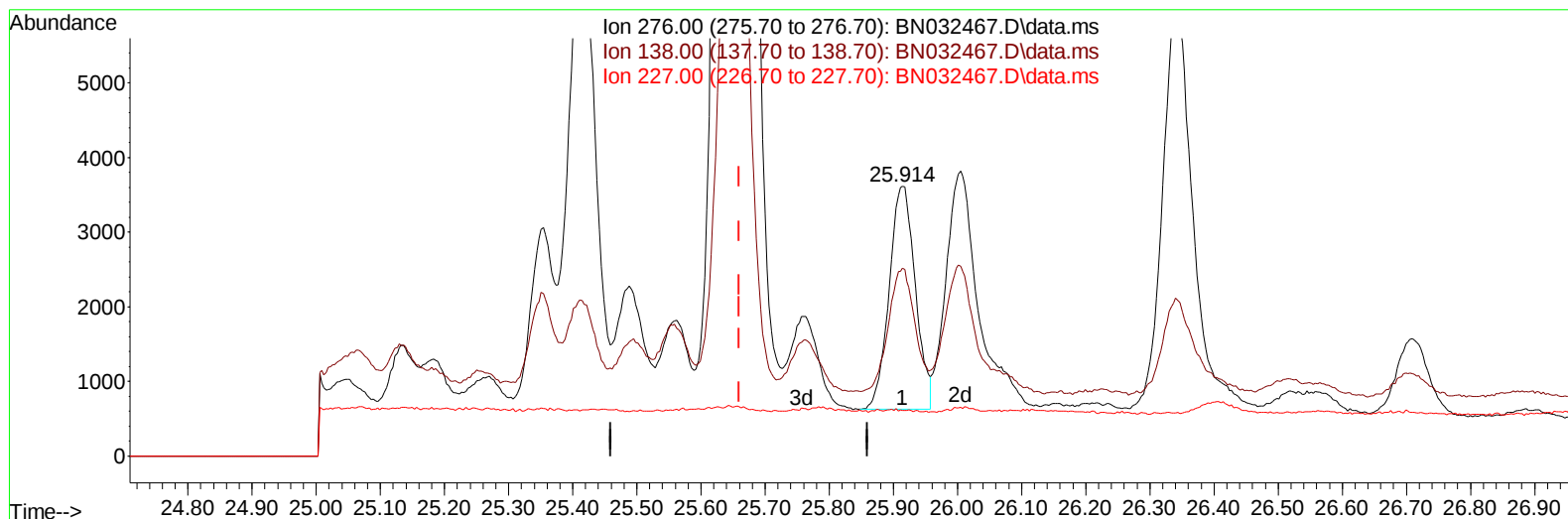
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032467.D
 Acq On : 04 Jul 2024 10:21
 Operator : MA/JU
 Sample : P2964-14
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.914min (+ 0.255) 0.08 ng/u1

response 8481

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.60	56.13#
227.00	0.10	0.73#
0.00	0.00	0.00

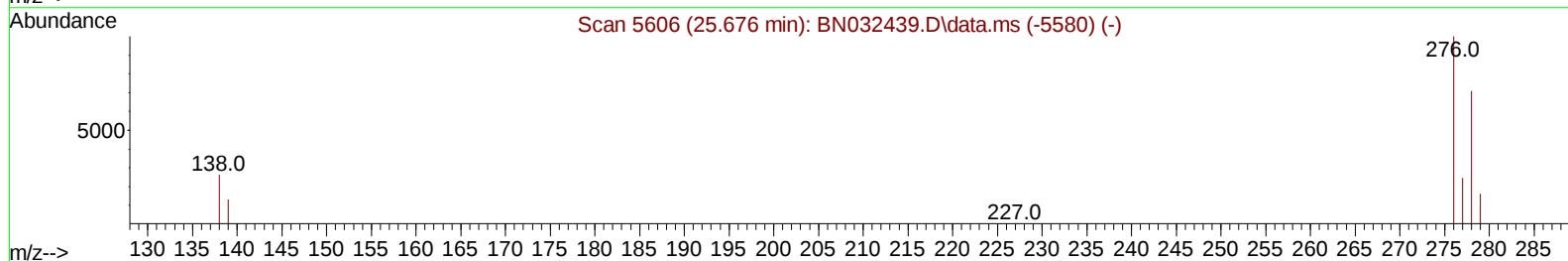
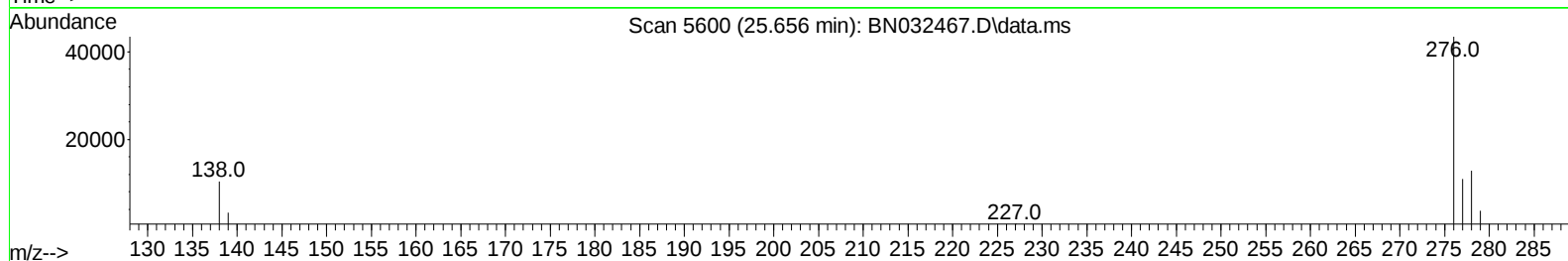
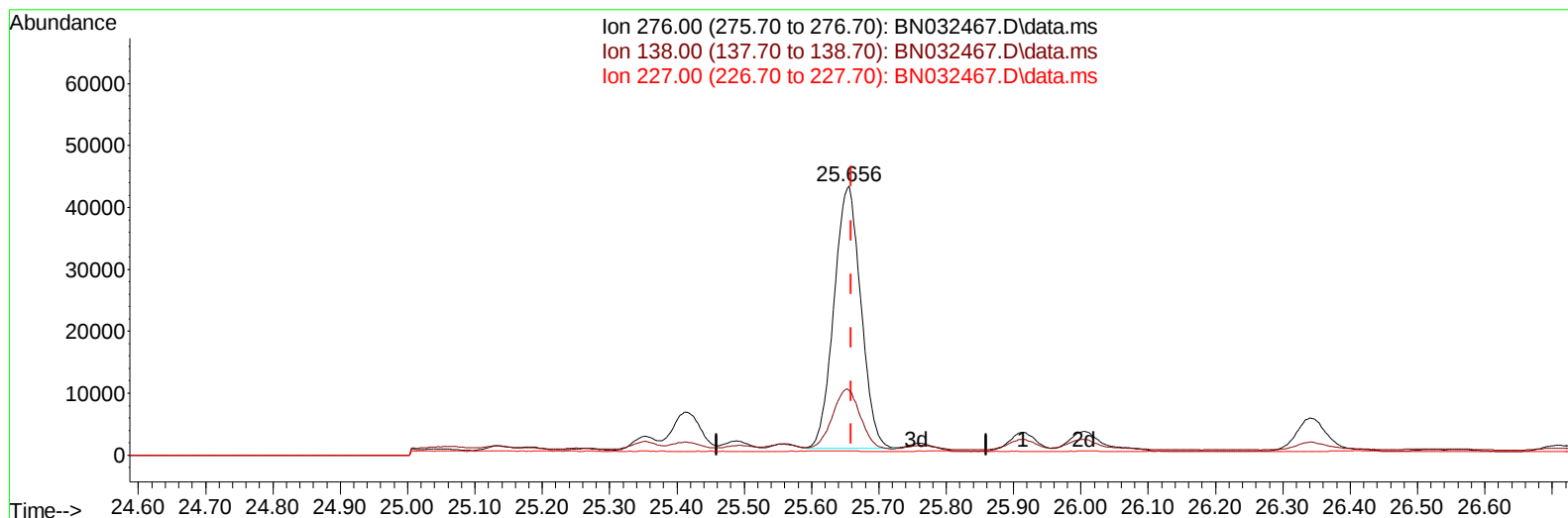
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.656min (-0.004) 1.17 ng/u1 m

response 117599

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.60	4.05#
227.00	0.10	0.05#
0.00	0.00	0.00

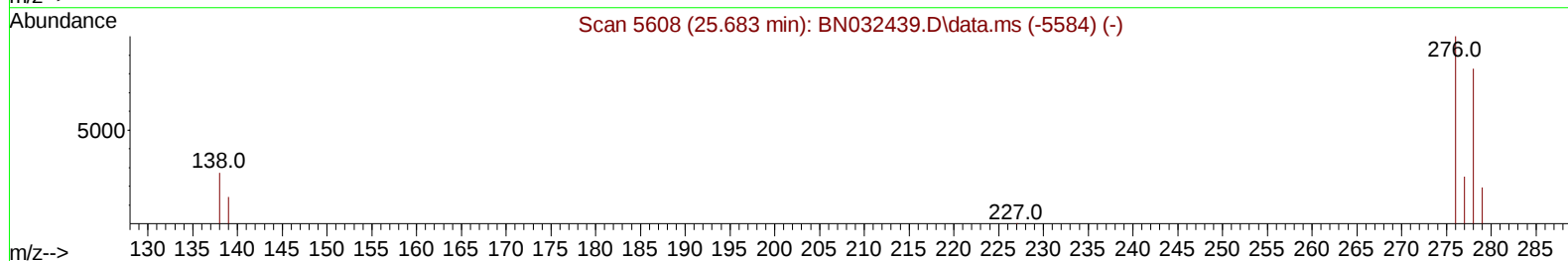
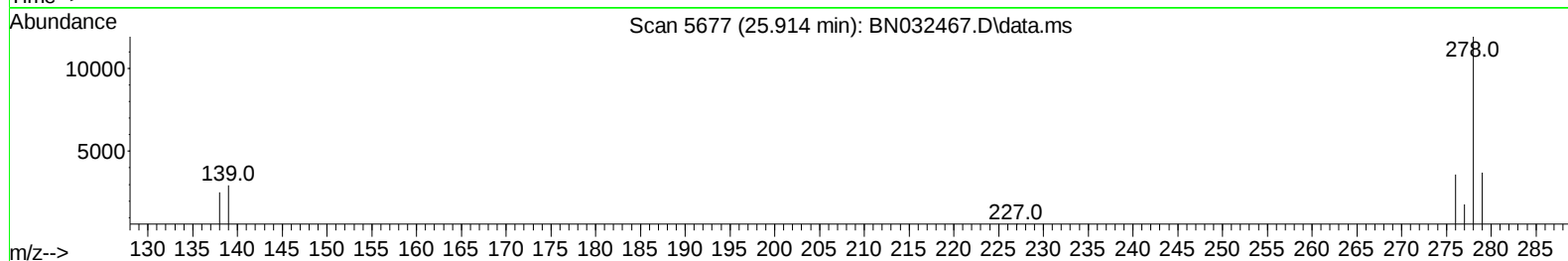
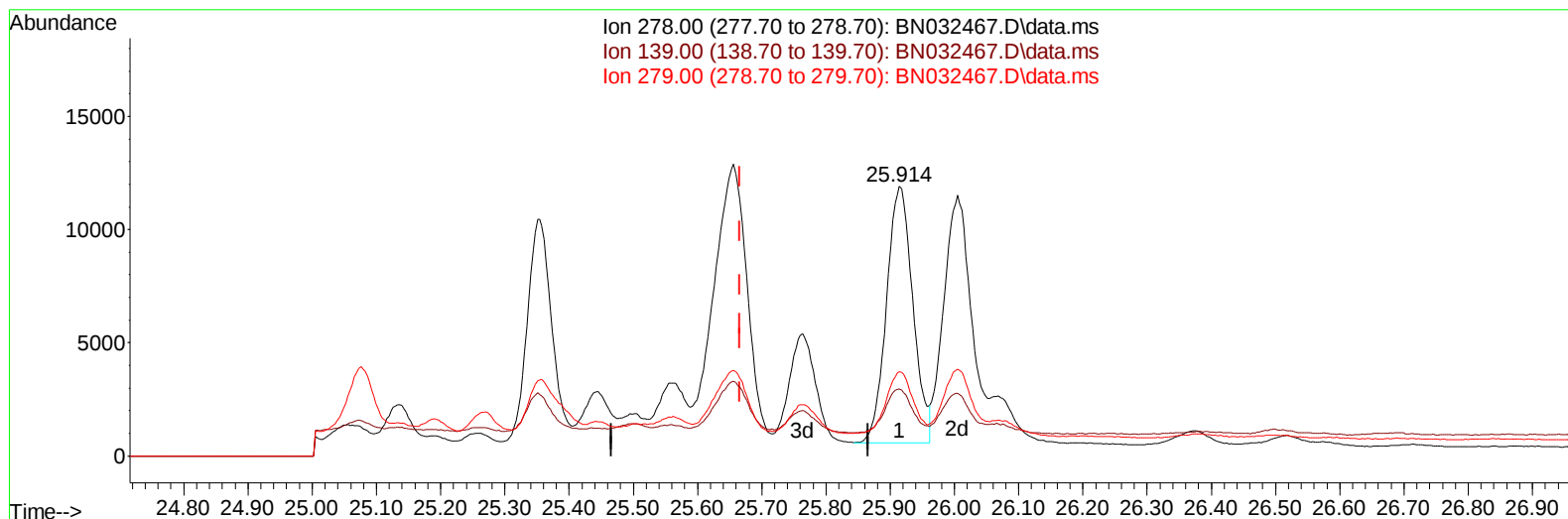
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032467.D
 Acq On : 04 Jul 2024 10:21
 Operator : MA/JU
 Sample : P2964-14
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(28) Dibenzo(a,h)anthracene

25.914min (+ 0.248) 0.43 ng/u1

response 32262

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	19.90	24.84#
279.00	26.40	31.29
0.00	0.00	0.00

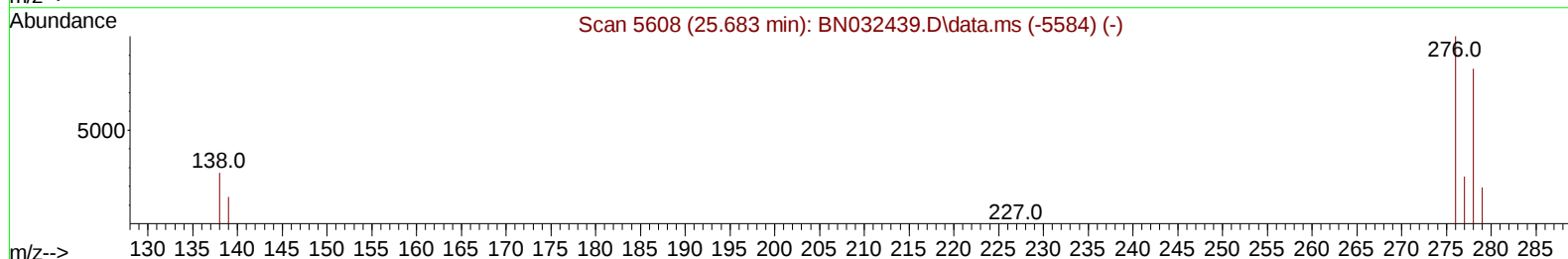
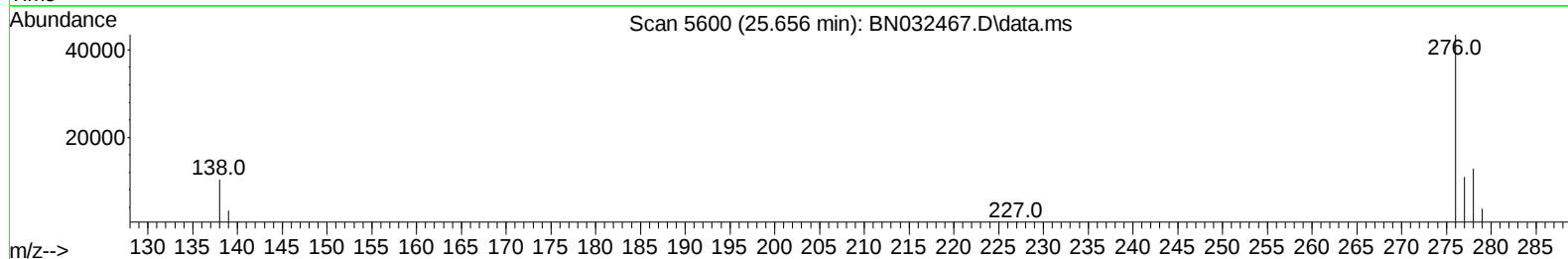
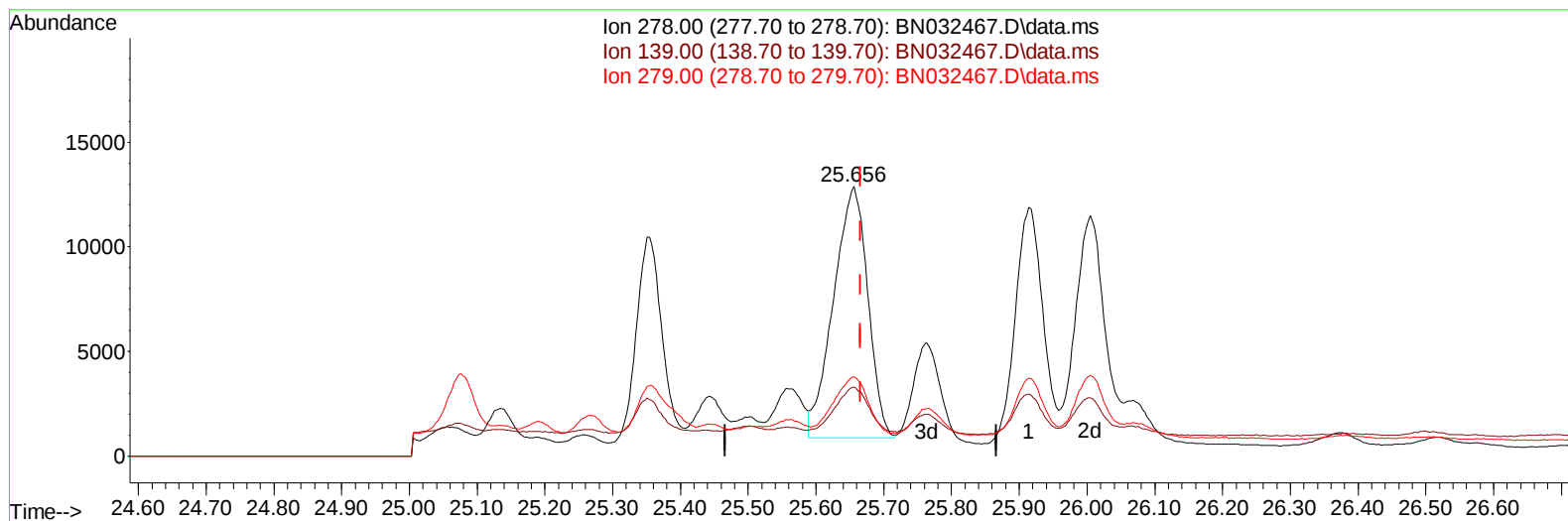
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(28) Dibenzo(a,h)anthracene

25.656min (-0.010) 0.57 ng/u1 m

response 42247

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	19.90	25.70#
279.00	26.40	29.38
0.00	0.00	0.00

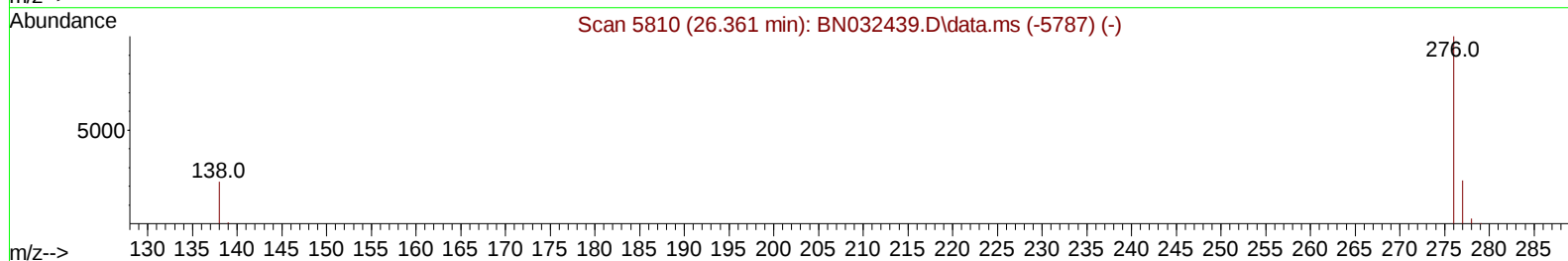
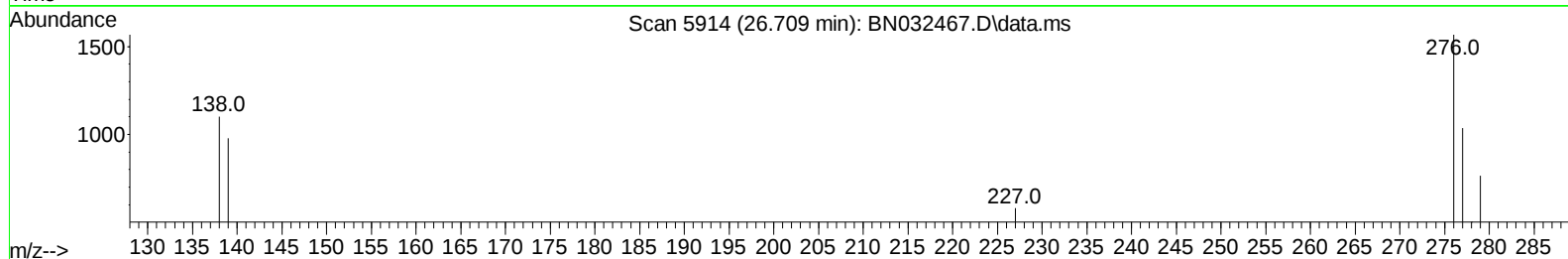
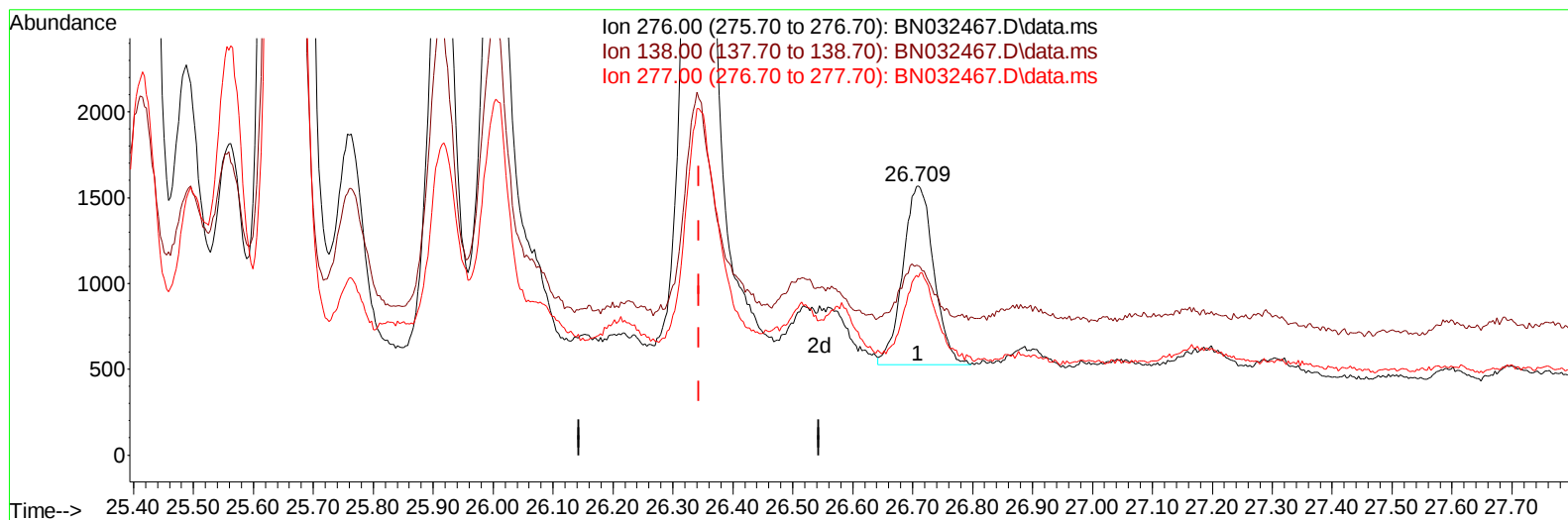
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(29) Benzo(g,h,i)perylene

26.709min (+ 0.365) 0.05 ng/u1

response 3745

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	70.39#
277.00	24.70	66.24#
0.00	0.00	0.00

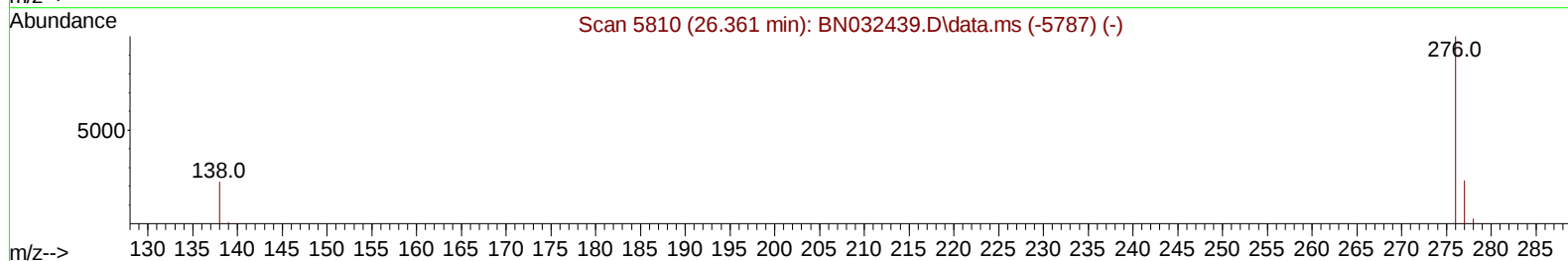
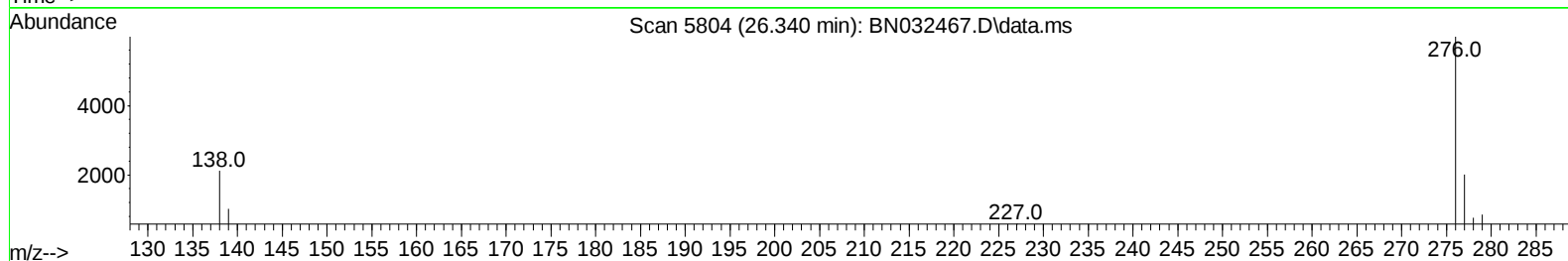
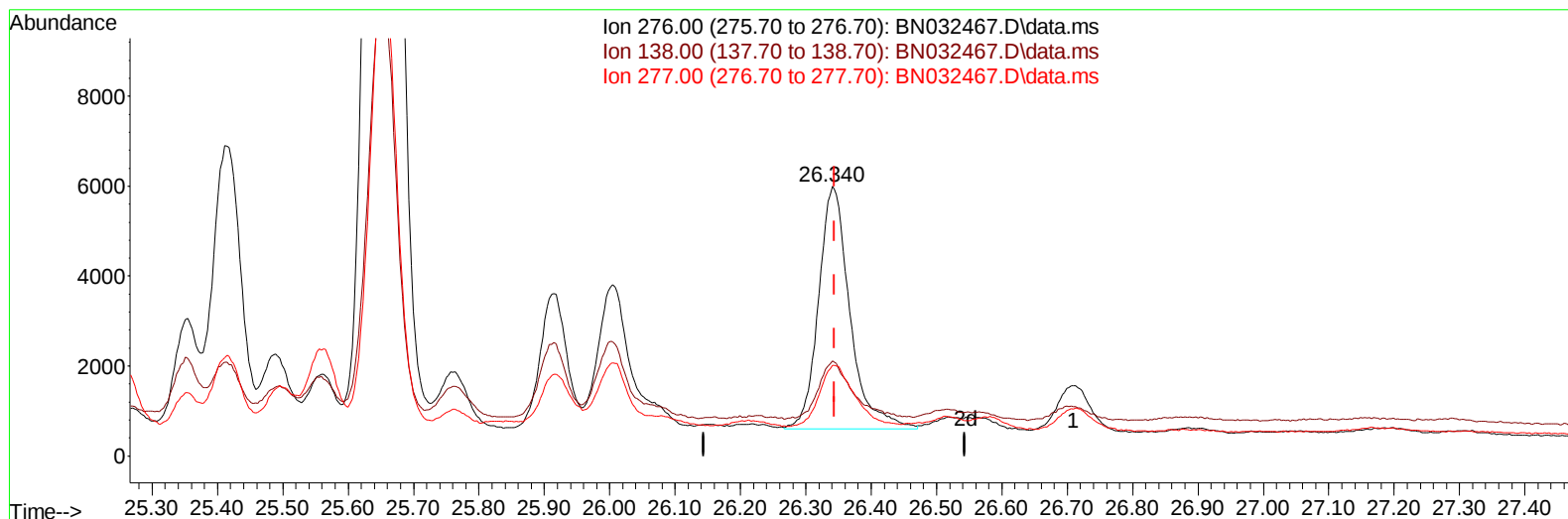
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
Operator : MA/JU
Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032467.D\data.ms

(29) Benzo(g,h,i)perylene

26.340min (-0.004) 0.23 ng/ul m

response 17952

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	35.27#
277.00	24.70	33.67#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032467.D
 Acq On : 04 Jul 2024 10:21
 Operator : MA/JU
 Sample : P2964-14
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 04 23:05:19 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.599	152	7900	0.400	ng/ul	0.00
4) Naphthalene-d8	10.371	136	23657	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.244	164	13071	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.999	188	26830m	0.400	ng/ul	0.00
17) Chrysene-d12	21.208	240	18245m	0.400	ng/ul	0.00
23) Perylene-d12	23.424	264	21148m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	27765	3.162	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.971	152	6889	0.194	ng/ul	0.00
18) Fluoranthene-d10	19.036	212	13024m	0.237	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.420	128	16476	0.263	ng/ul	99
7) 2-Methylnaphthalene	12.048	142	5441	0.131	ng/ul	98
8) 1-Methylnaphthalene	12.268	142	4240	0.099	ng/ul	98
10) Acenaphthylene	13.966	152	18344	0.337	ng/ul	98
11) Acenaphthene	14.308	153	13842	0.328	ng/ul	99
12) Fluorene	15.303	166	15769	0.314	ng/ul	97
15) Phenanthrene	17.041	178	280245m	3.810	ng/ul	
16) Anthracene	17.134	178	53288m	0.812	ng/ul	
19) Fluoranthene	19.068	202	476938m	6.865	ng/ul	
20) Pyrene	19.436	202	341603m	4.705	ng/ul	
21) Benzo(a)anthracene	21.191	228	217402m	3.301	ng/ul	
22) Chrysene	21.243	228	238321m	3.297	ng/ul	
24) Benzo(b)fluoranthene	22.757	252	323076m	3.516	ng/ul	
25) Benzo(k)fluoranthene	22.795	252	112634m	1.262	ng/ul	
26) Benzo(a)pyrene	23.324	252	125544m	1.964	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.656	276	117599m	1.175	ng/ul	
28) Dibenzo(a,h)anthracene	25.656	278	42247m	0.568	ng/ul	
29) Benzo(g,h,i)perylene	26.340	276	17952m	0.225	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032467.D
Acq On : 04 Jul 2024 10:21
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Sample : P2964-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT3

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:19 2024
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