

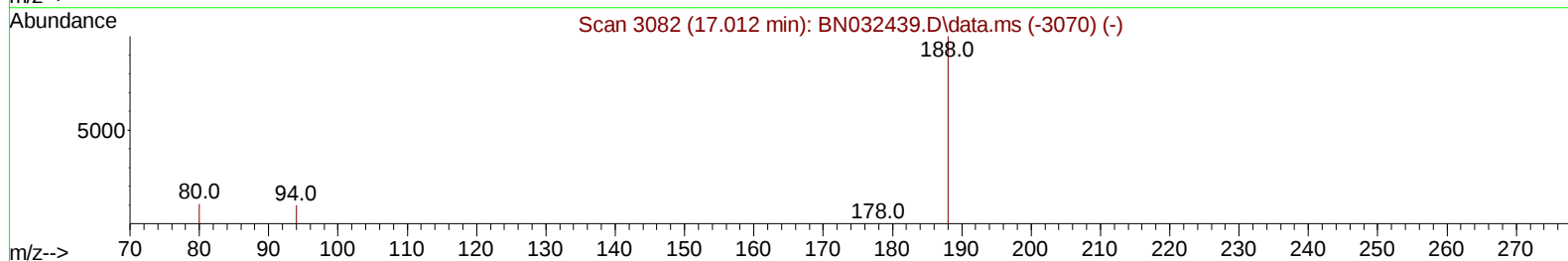
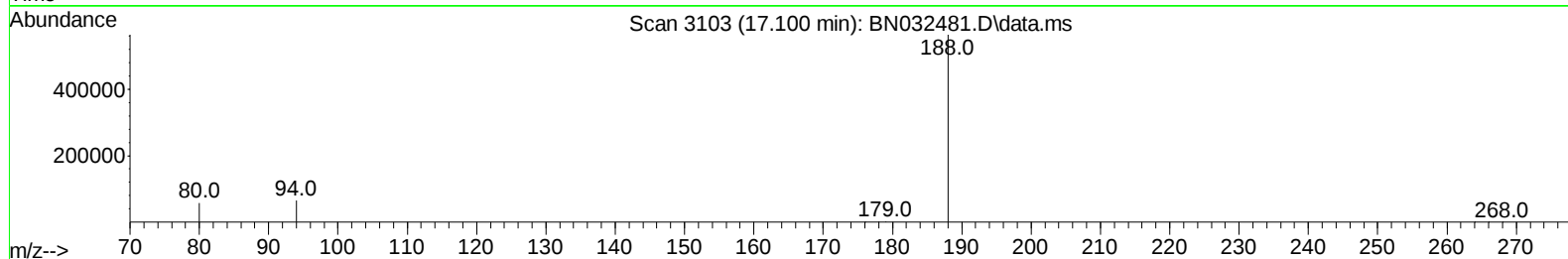
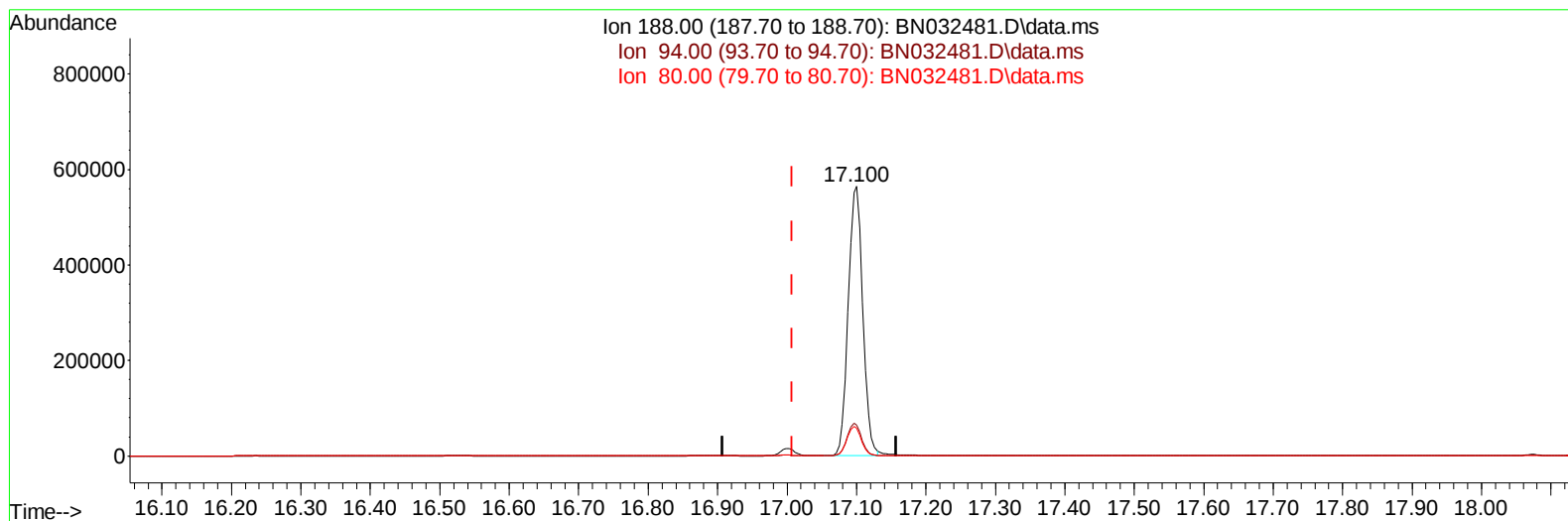
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(13) Phenanthrene-d10 (I)

17.100min (+ 0.093) 0.40 ng/u1

response 822477

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.56
80.00	10.50	10.22
0.00	0.00	0.00

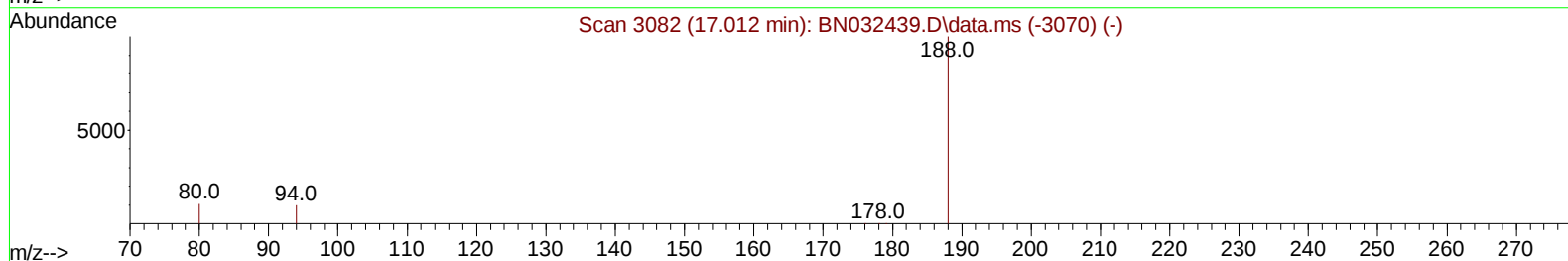
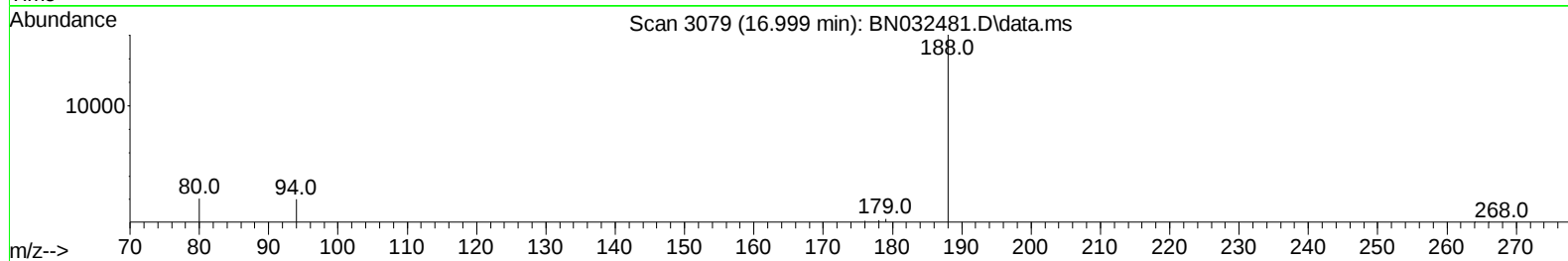
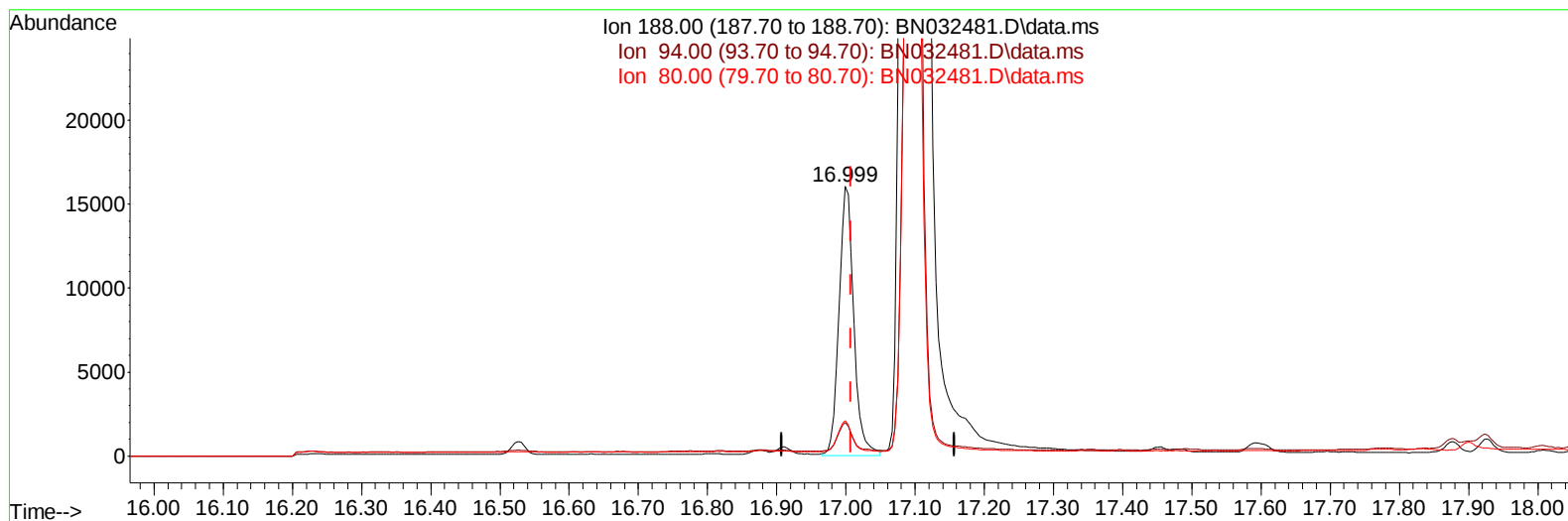
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(13) Phenanthrene-d10 (I)

16.999min (-0.009) 0.40 ng/ul m

response 23936

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.50#
80.00	10.50	13.01#
0.00	0.00	0.00

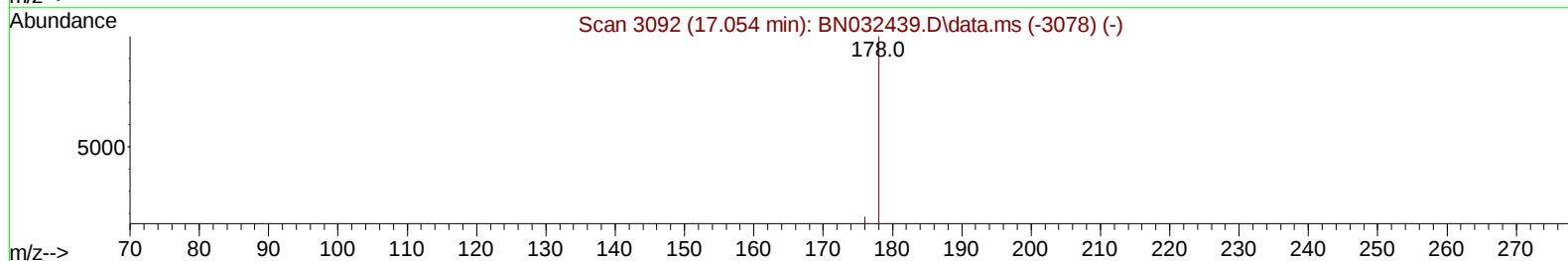
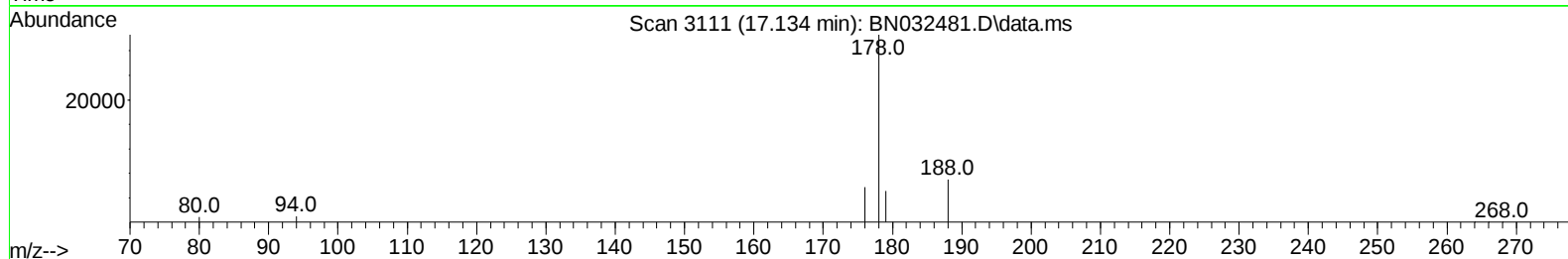
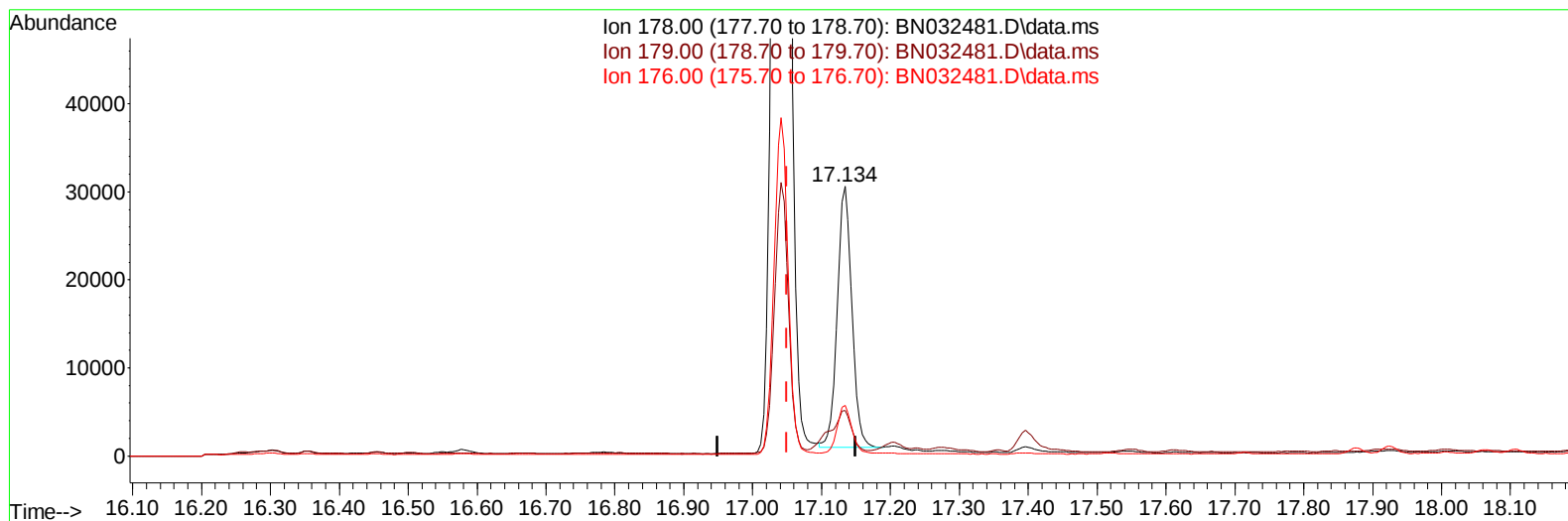
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(15) Phenanthrene

17.134min (+ 0.084) 0.66 ng/u1

response 43605

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.94
176.00	19.50	18.80
0.00	0.00	0.00

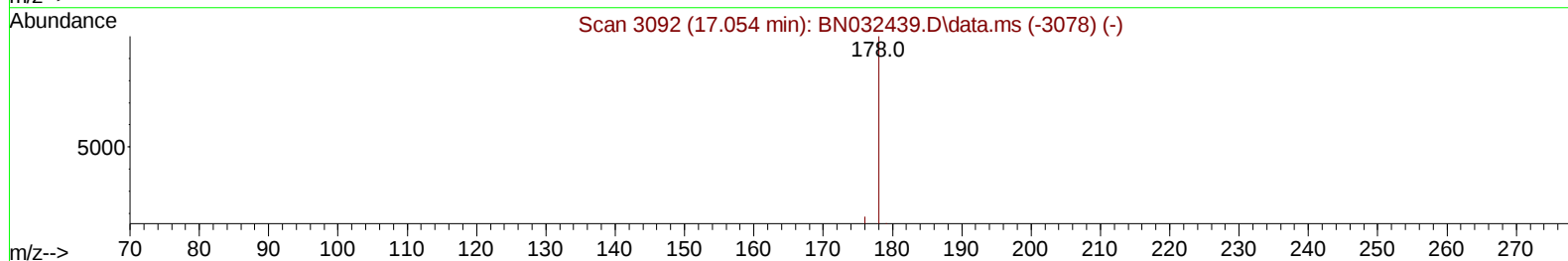
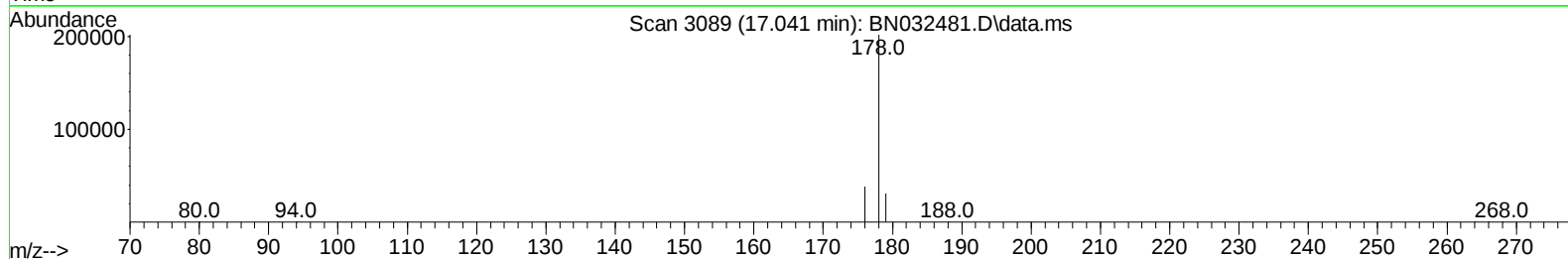
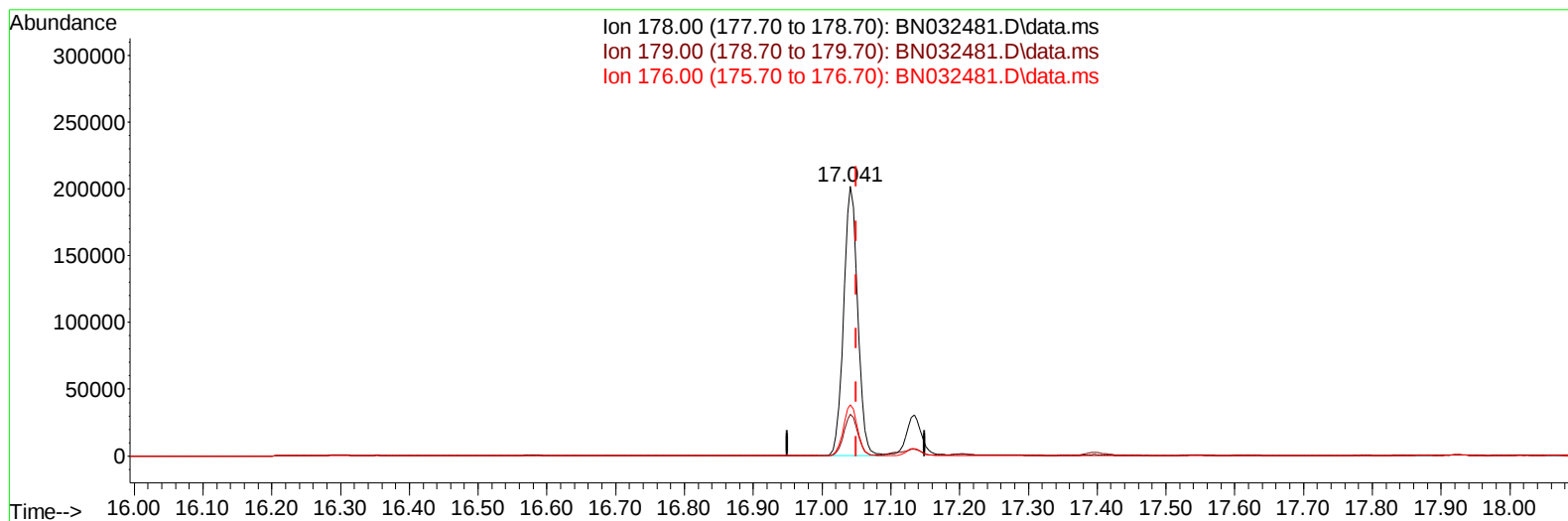
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(15) Phenanthrene

17.041min (-0.009) 4.38 ng/ul m

response 287541

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.40
176.00	19.50	19.04
0.00	0.00	0.00

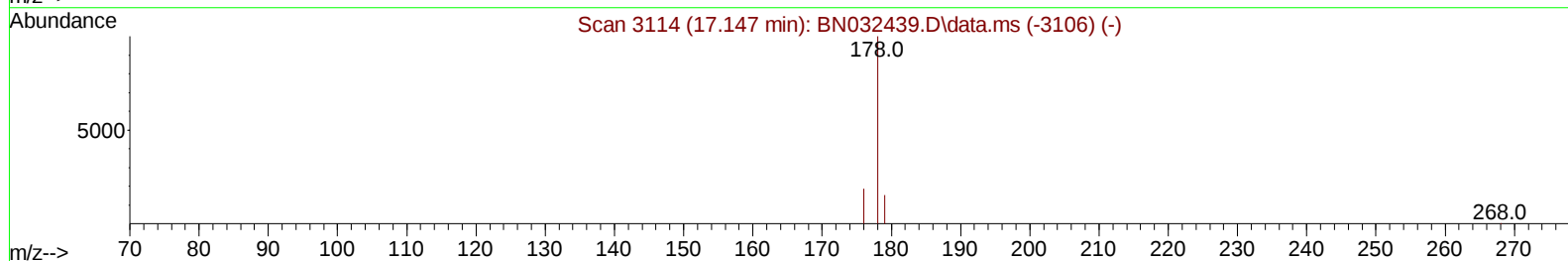
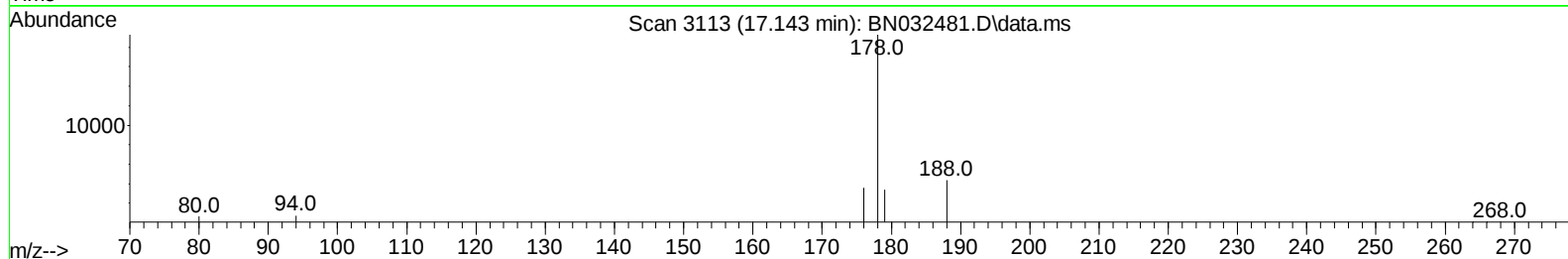
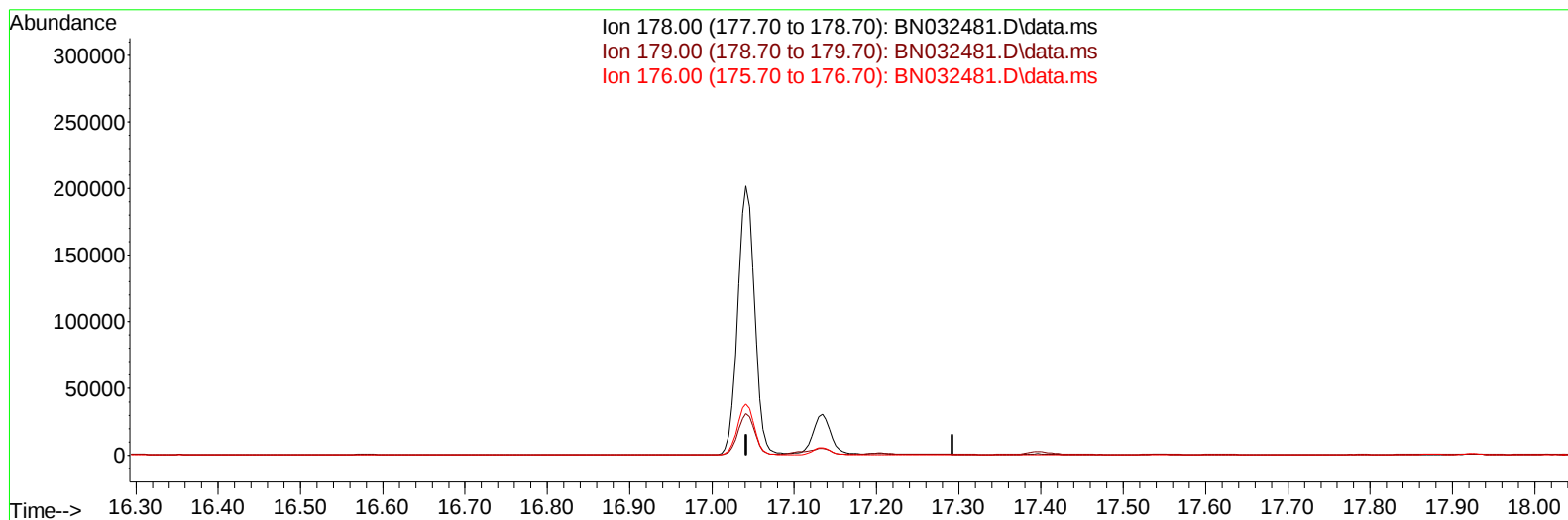
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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
 Response via : Initial Calibration

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



TIC: BN032481.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

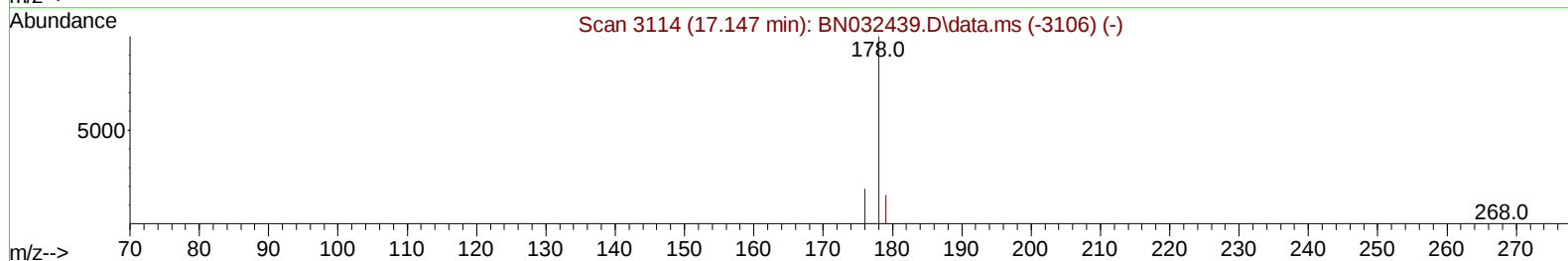
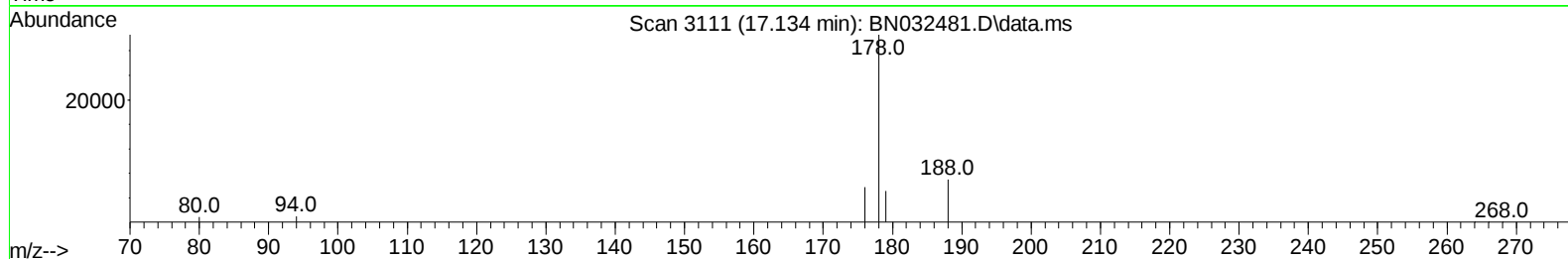
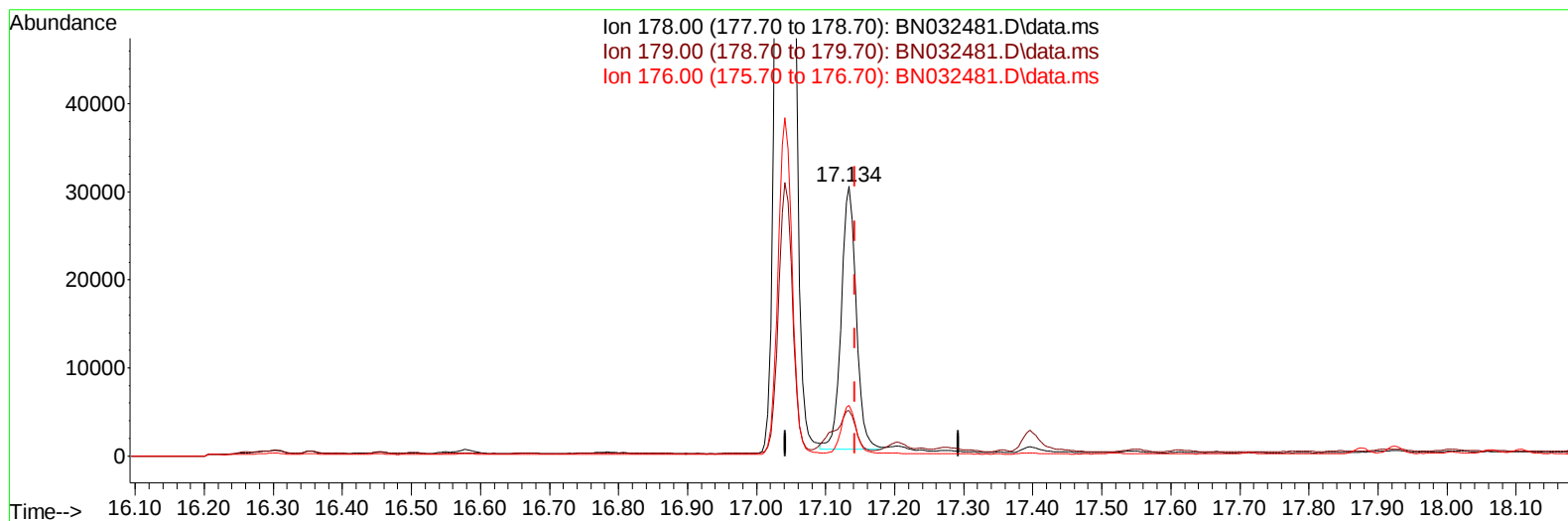
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(16) Anthracene

17.134min (-0.009) 0.76 ng/ul m

response 44678

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	16.94
176.00	18.80	18.80
0.00	0.00	0.00

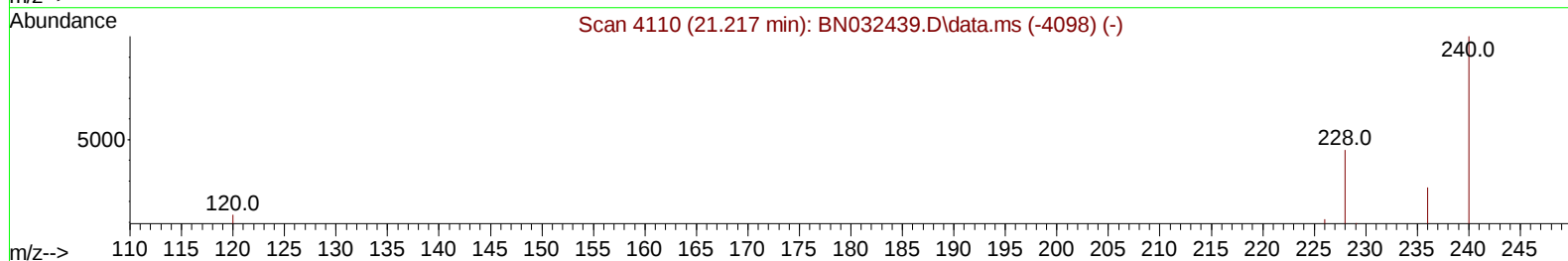
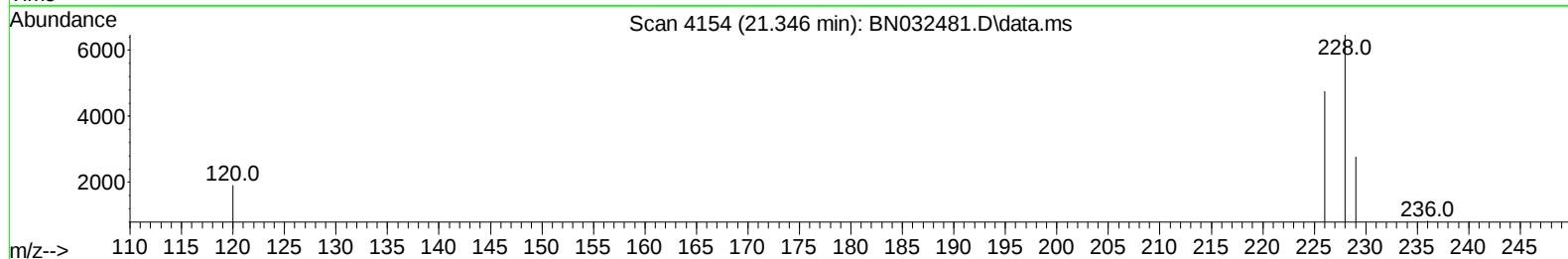
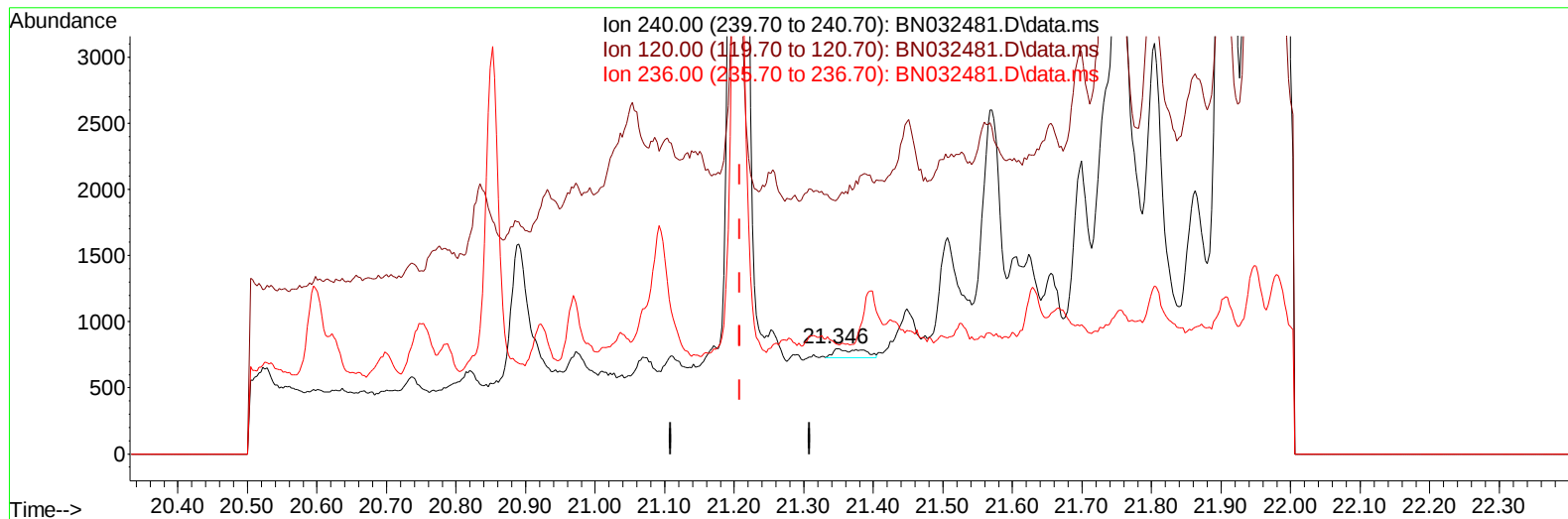
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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
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TIC: BN032481.D\data.ms

(17) Chrysene-d12

21.346min (+ 0.137) 0.40 ng/u1

response 206

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	240.63#
236.00	28.40	104.53#
0.00	0.00	0.00

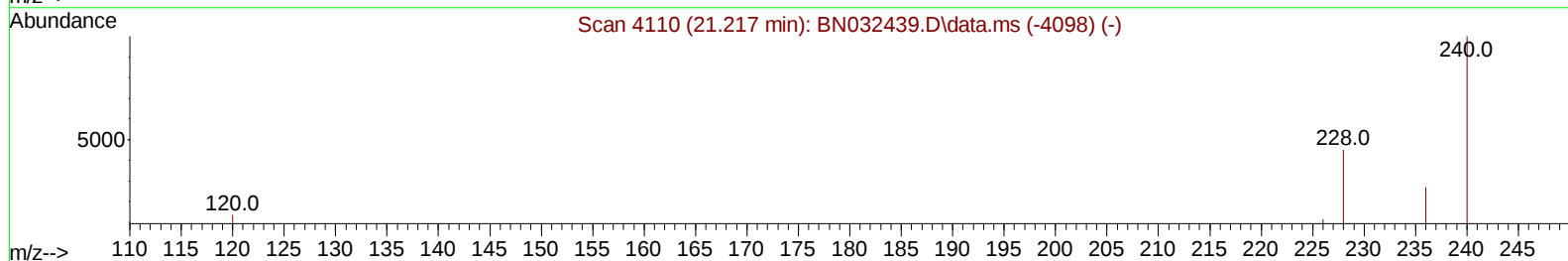
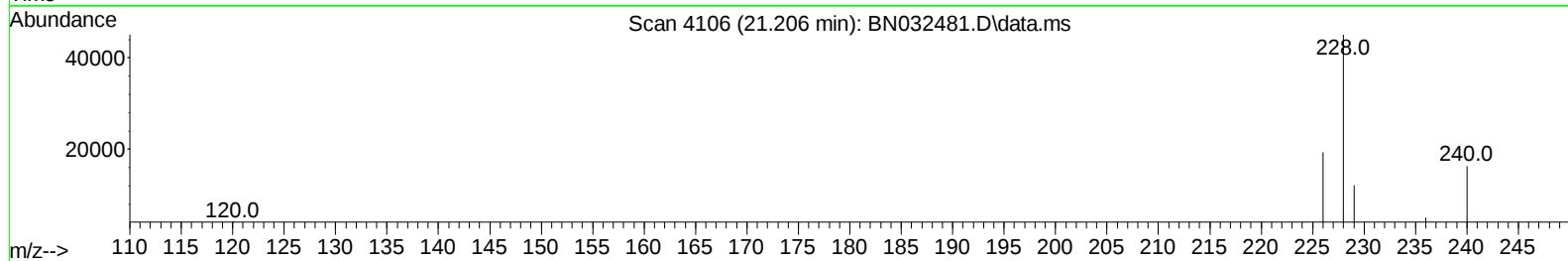
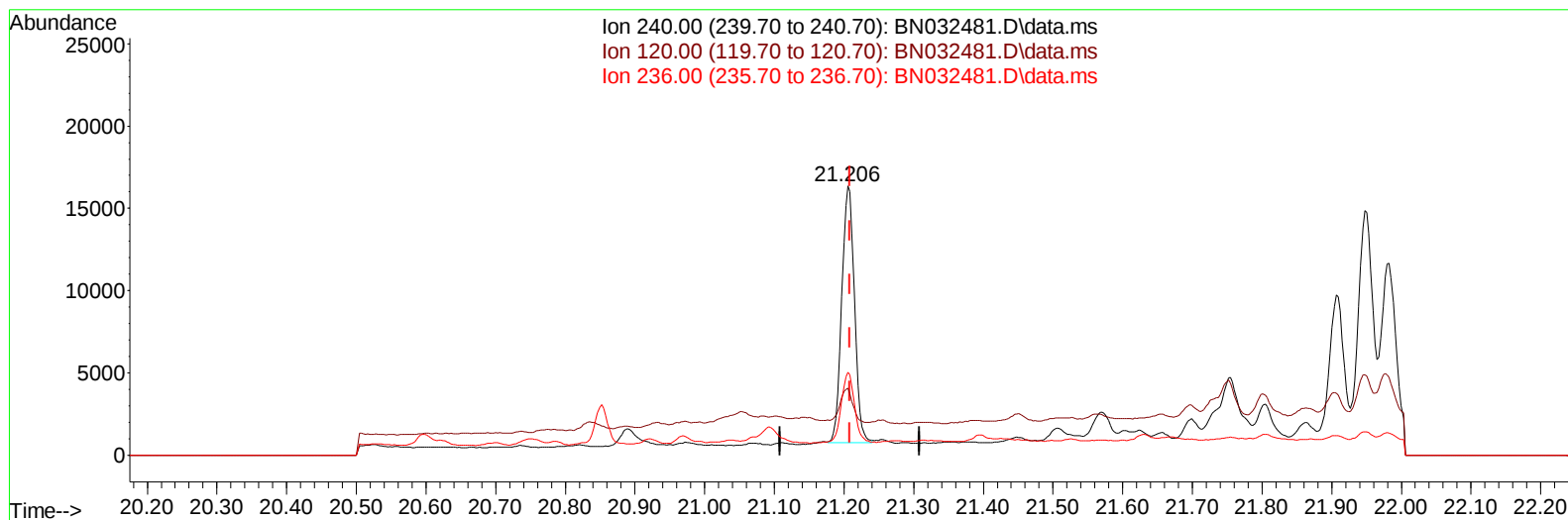
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

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

Quant Time: Jul 04 23:07:49 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



TIC: BN032481.D\data.ms

(17) Chrysene-d12

21.206min (-0.003) 0.40 ng/ul m

response 19716

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	24.81#
236.00	28.40	30.80
0.00	0.00	0.00

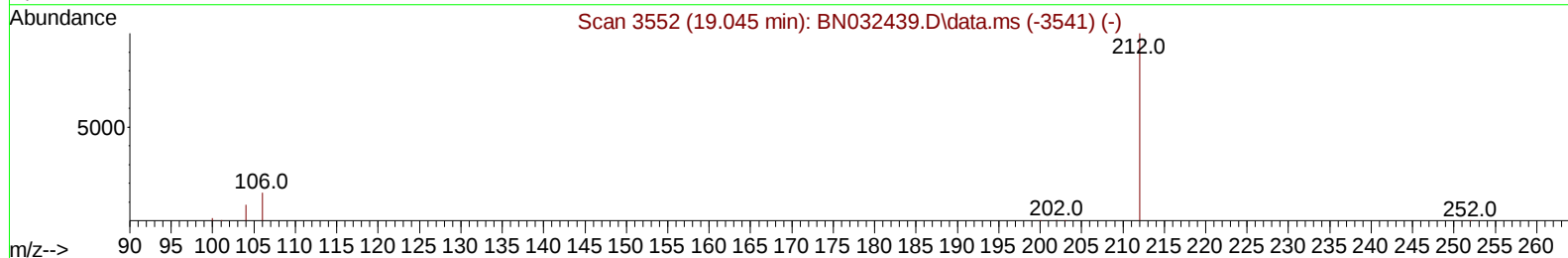
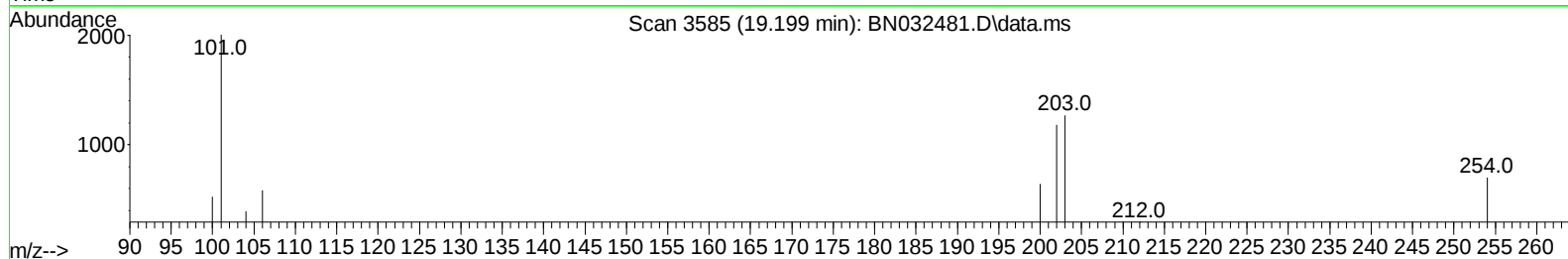
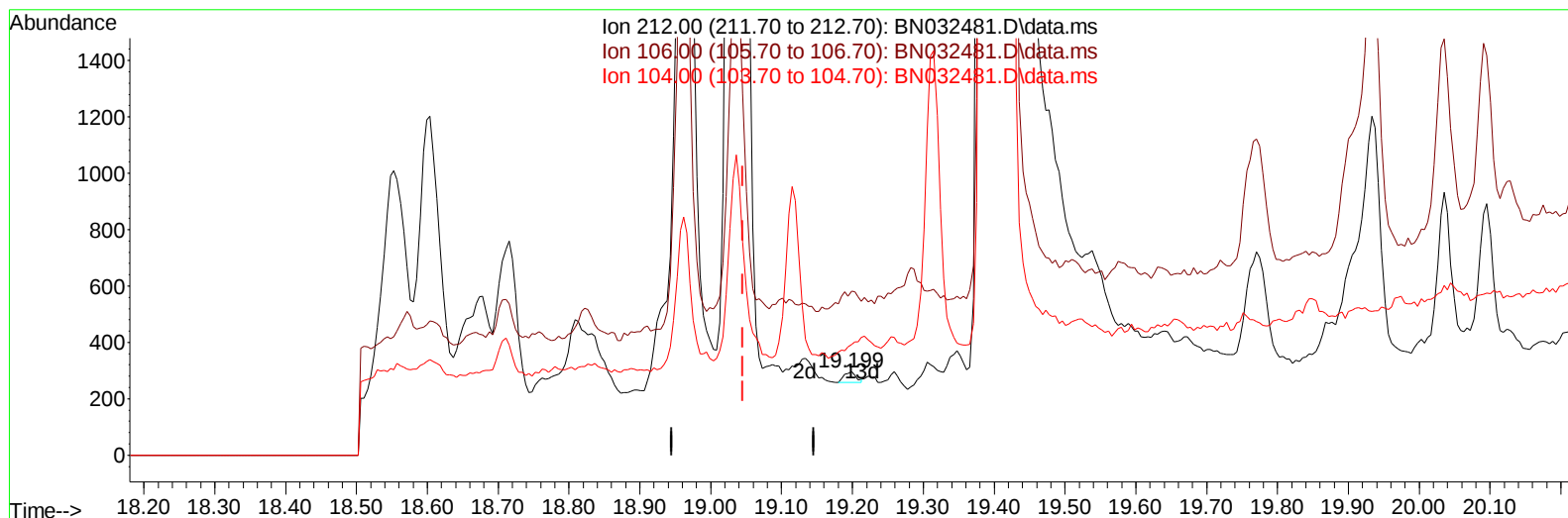
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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

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TIC: BN032481.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.199min (+ 0.153) 0.00 ng/u1

response 44

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.70	434.09#
104.00	8.40	0.00#
0.00	0.00	0.00

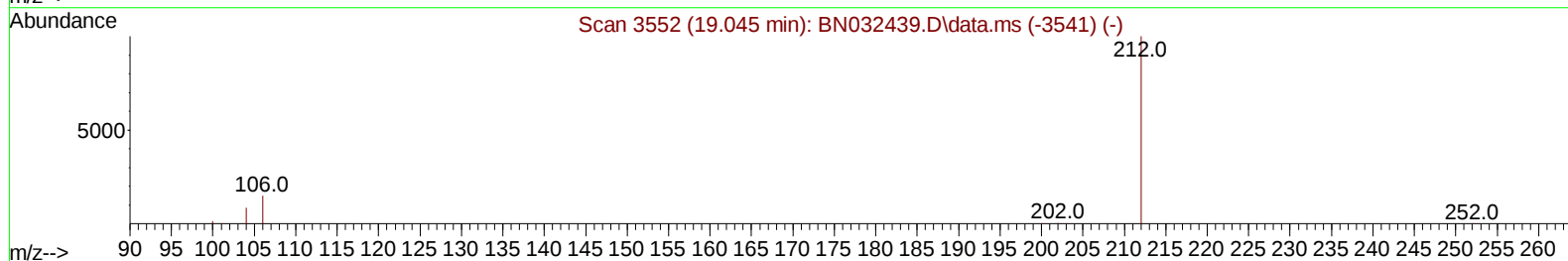
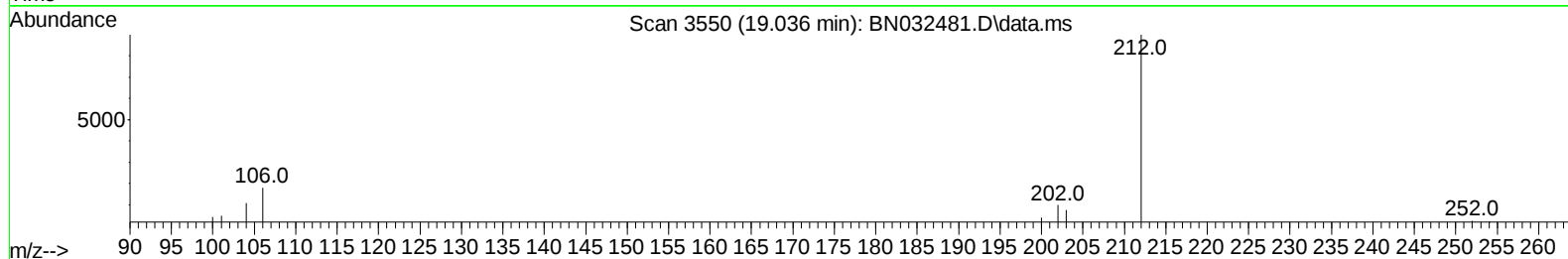
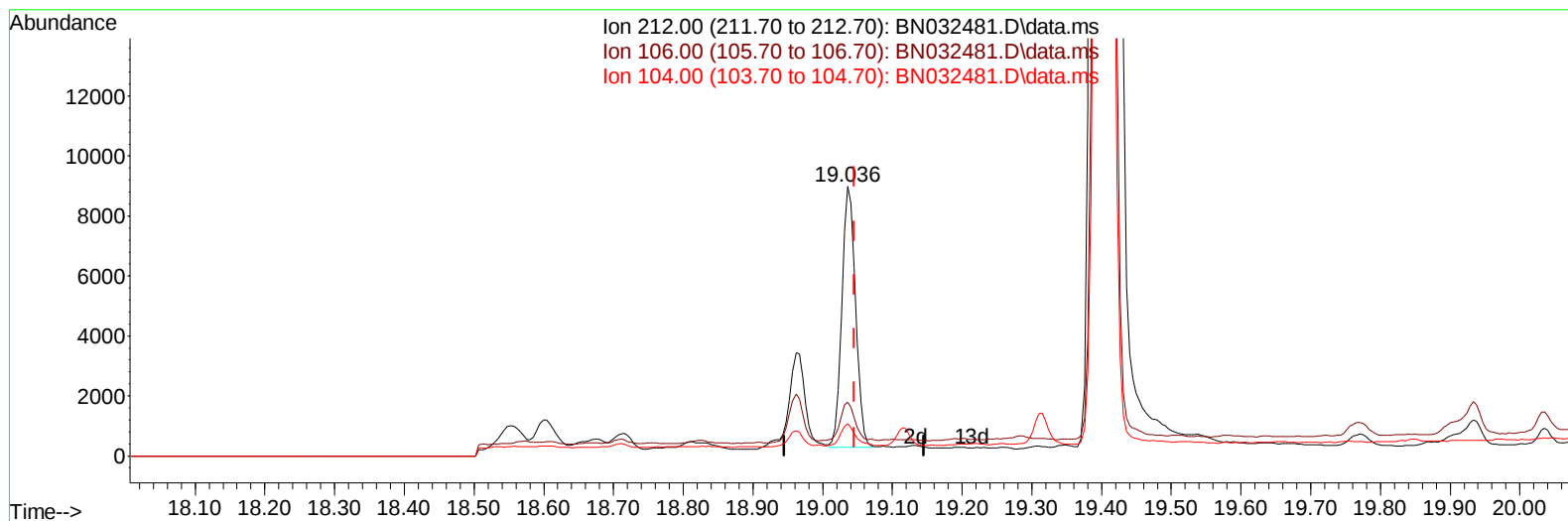
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.036min (-0.009) 0.20 ng/ul m

response 11944

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.70	1.60#
104.00	8.40	0.00#
0.00	0.00	0.00

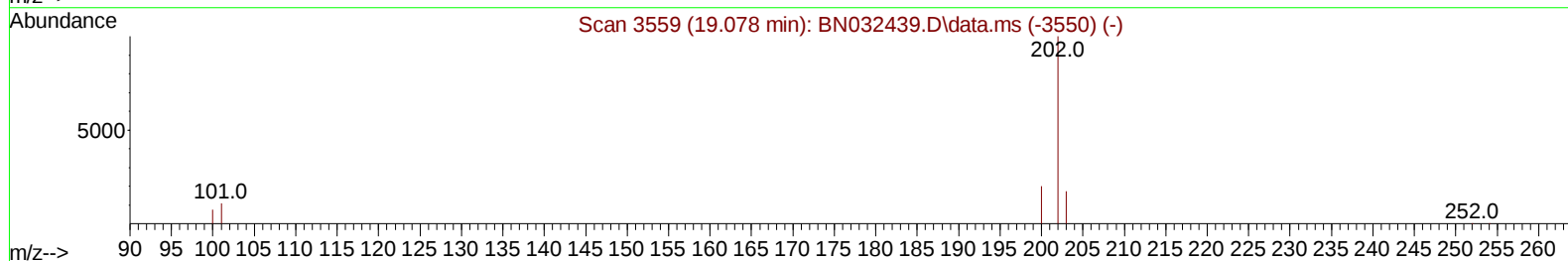
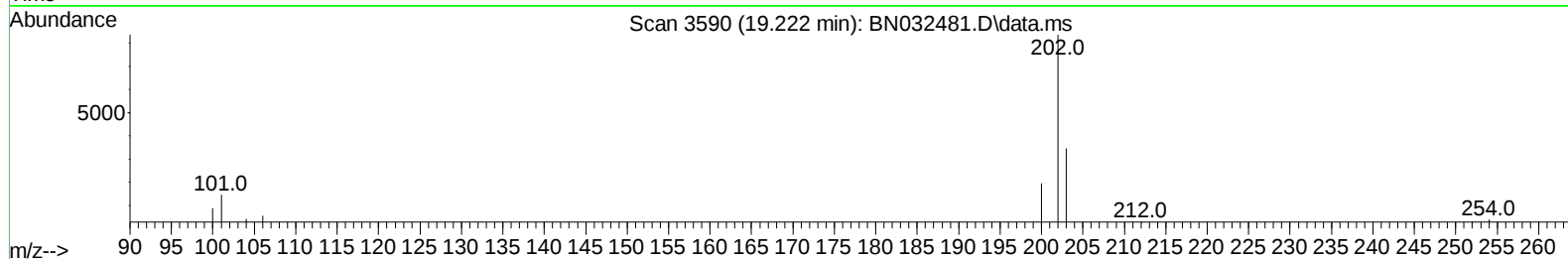
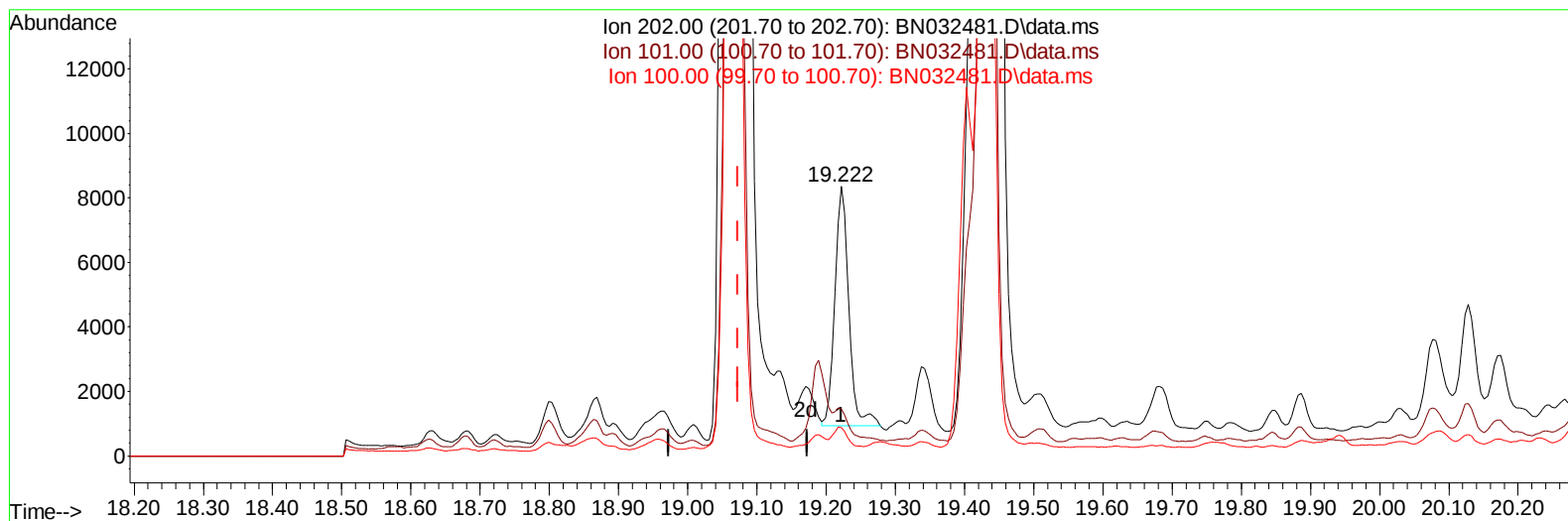
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

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TIC: BN032481.D\data.ms

(19) Fluoranthene (C)

19.222min (+ 0.149) 0.14 ng/u1

response 10538

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.00	17.39#
100.00	8.00	10.48#
0.00	0.00	0.00

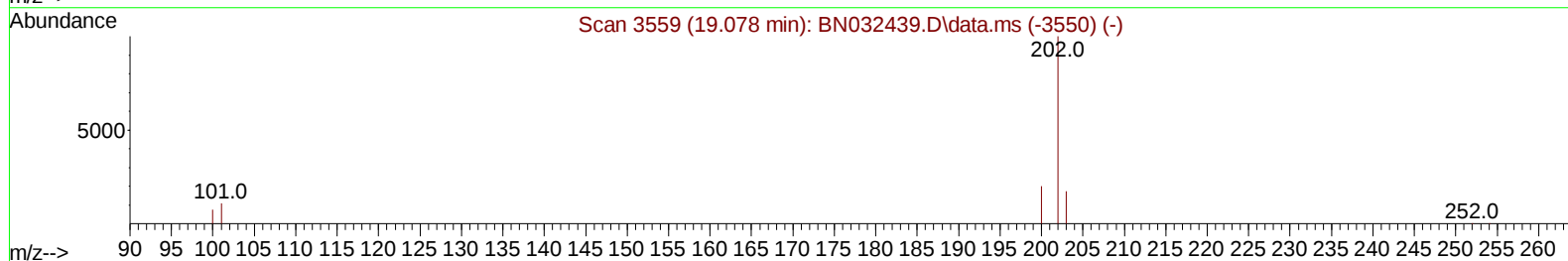
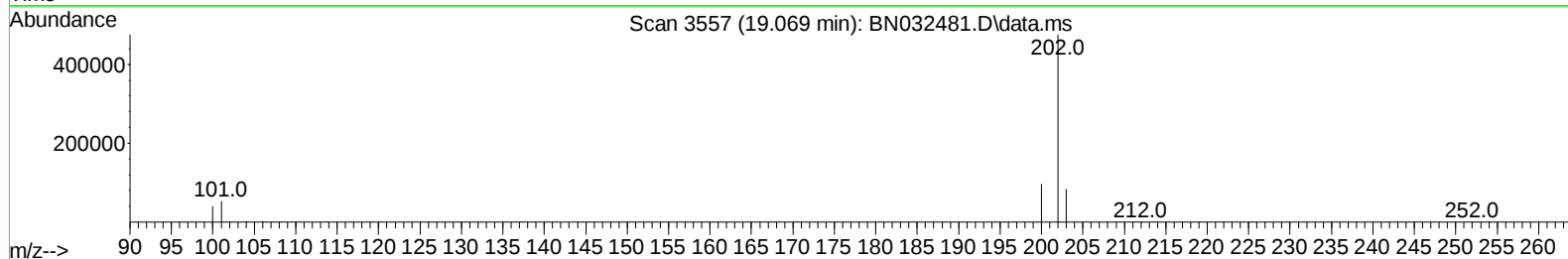
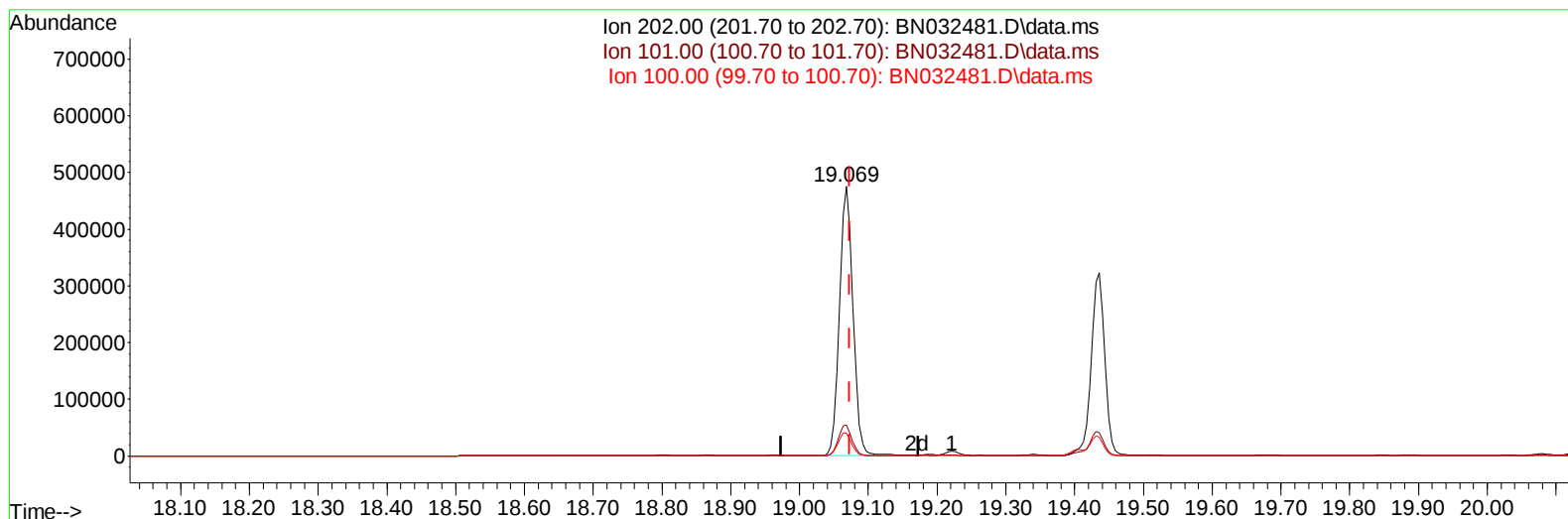
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

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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: BN032481.D\data.ms

(19) Fluoranthene (C)

19.069min (-0.005) 8.57 ng/ul m

response 643761

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.00	11.35
100.00	8.00	8.49
0.00	0.00	0.00

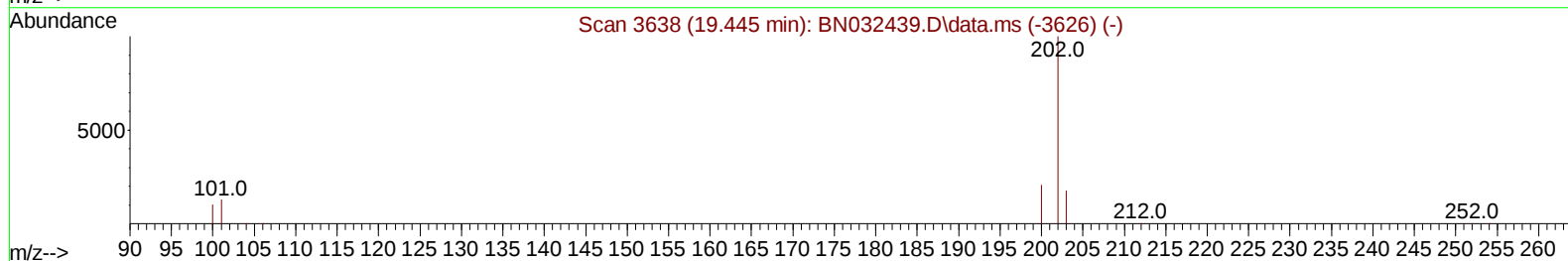
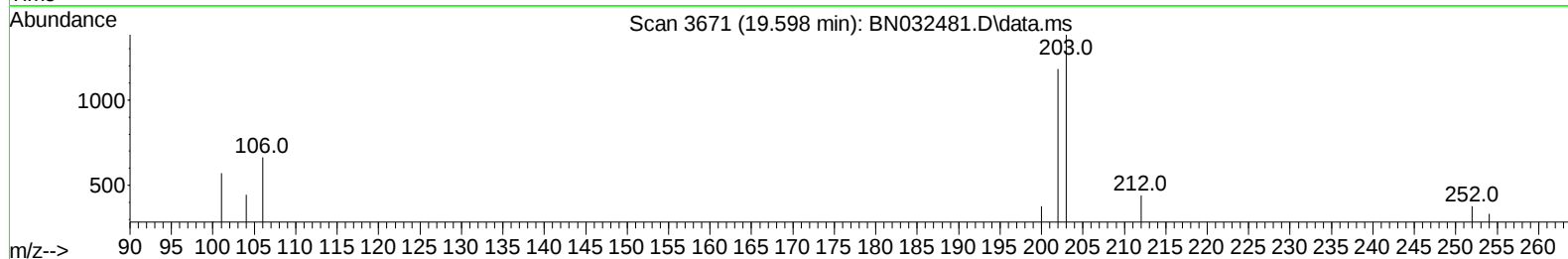
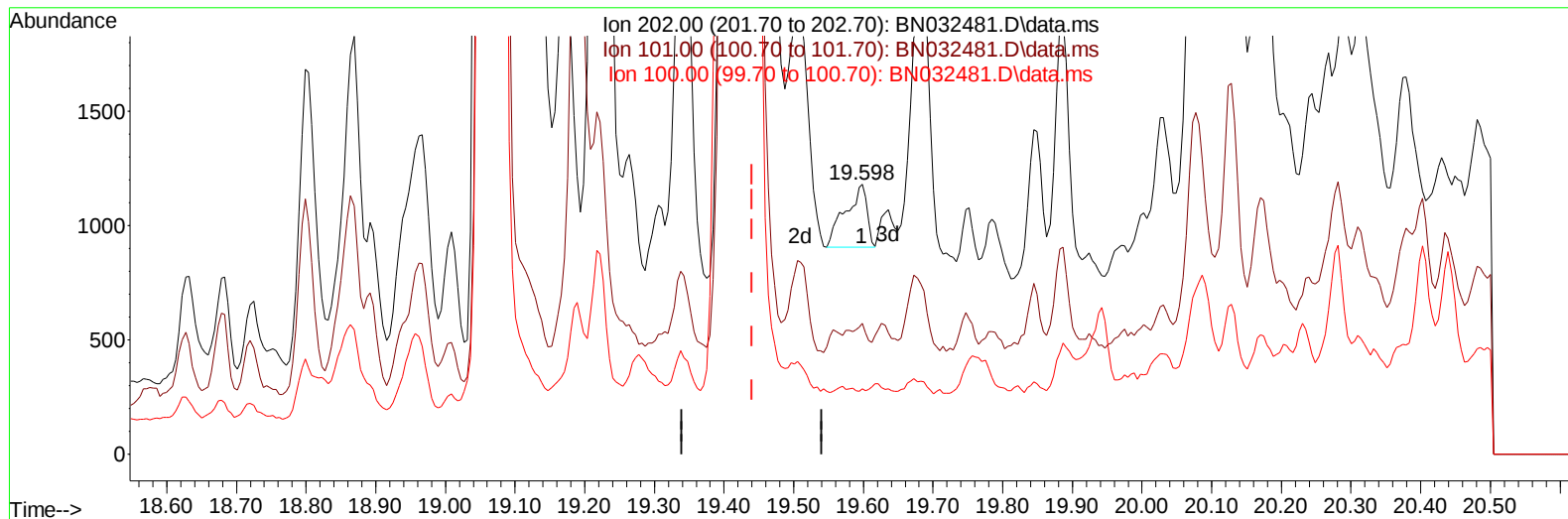
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(20) Pyrene

19.598min (+ 0.158) 0.01 ng/u1

response 592

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	48.39#
100.00	10.90	24.24#
0.00	0.00	0.00

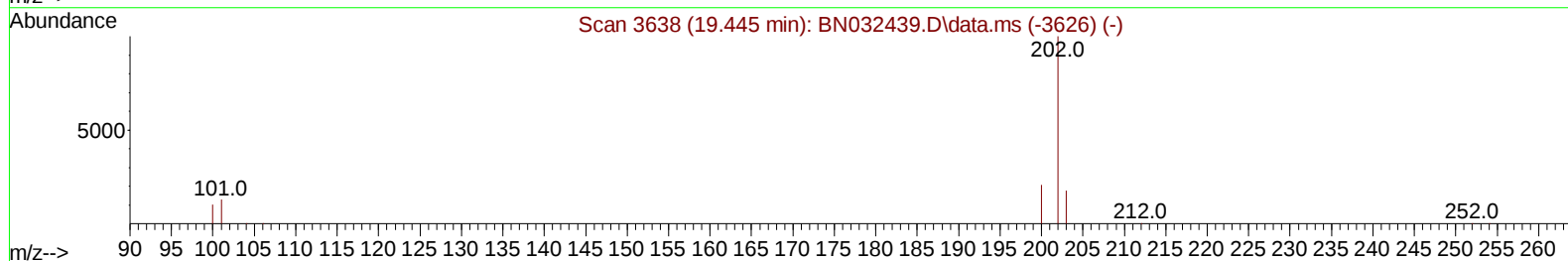
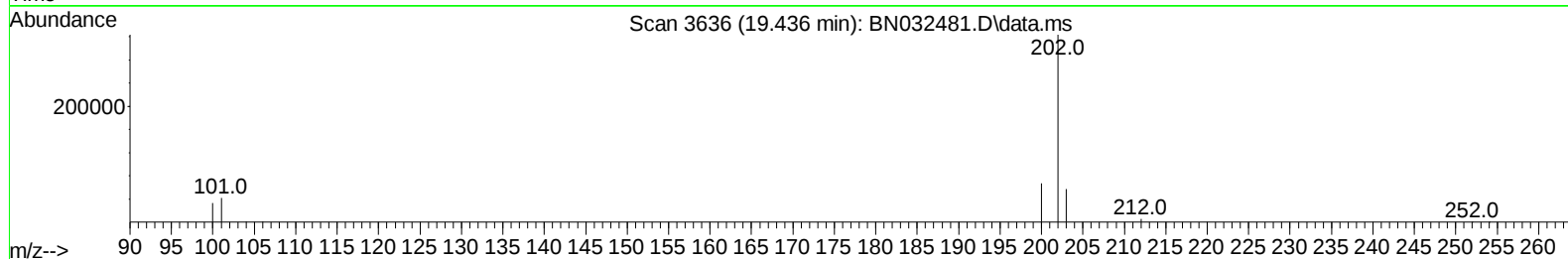
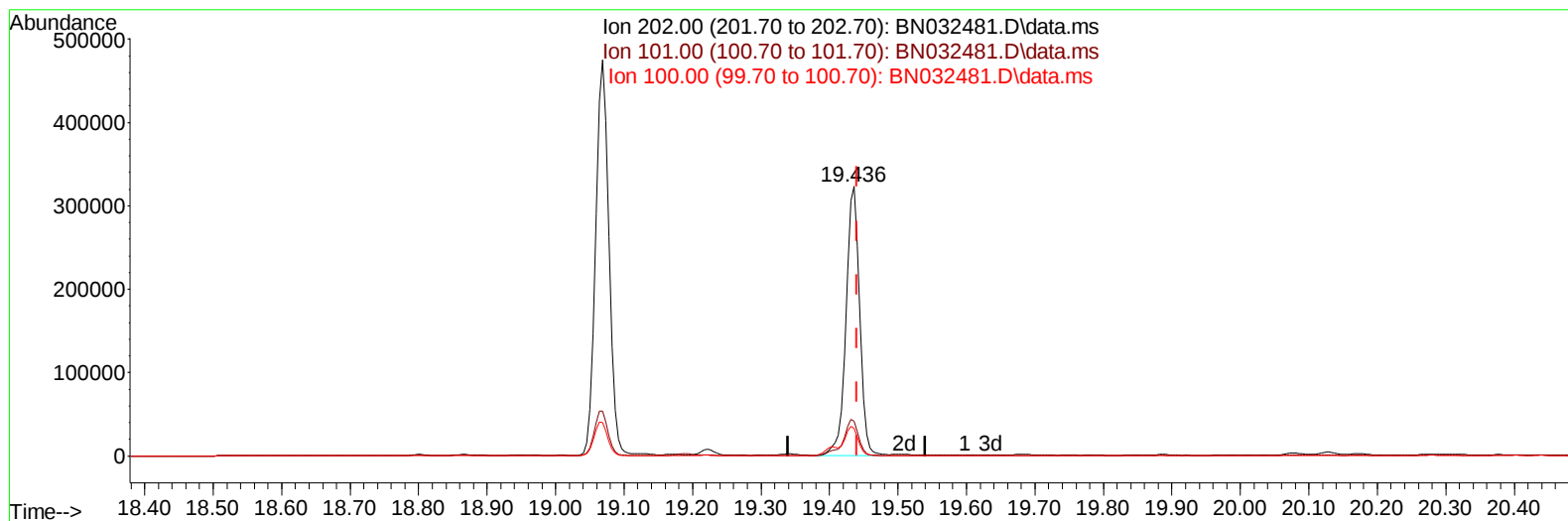
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(20) Pyrene

19.436min (-0.005) 5.70 ng/u1 m

response 447145

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	12.78
100.00	10.90	10.22
0.00	0.00	0.00

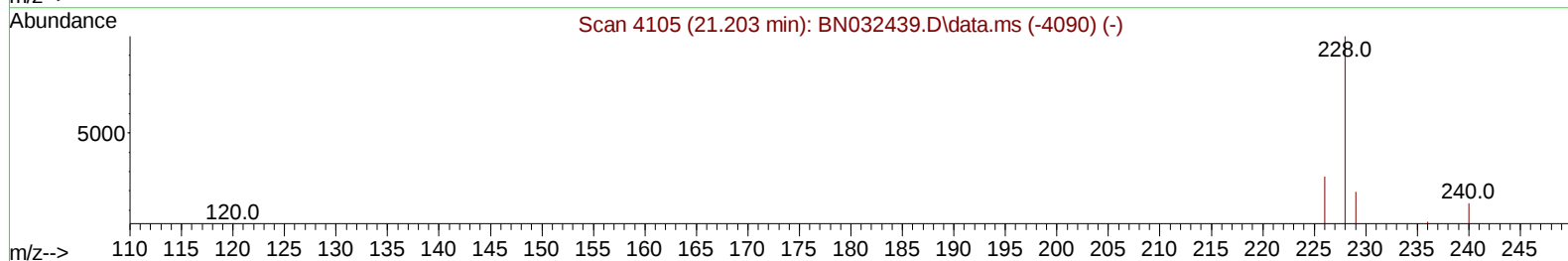
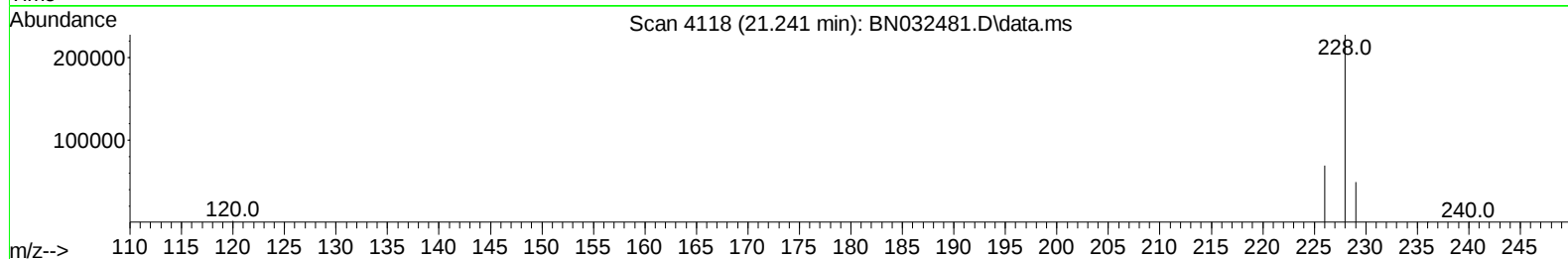
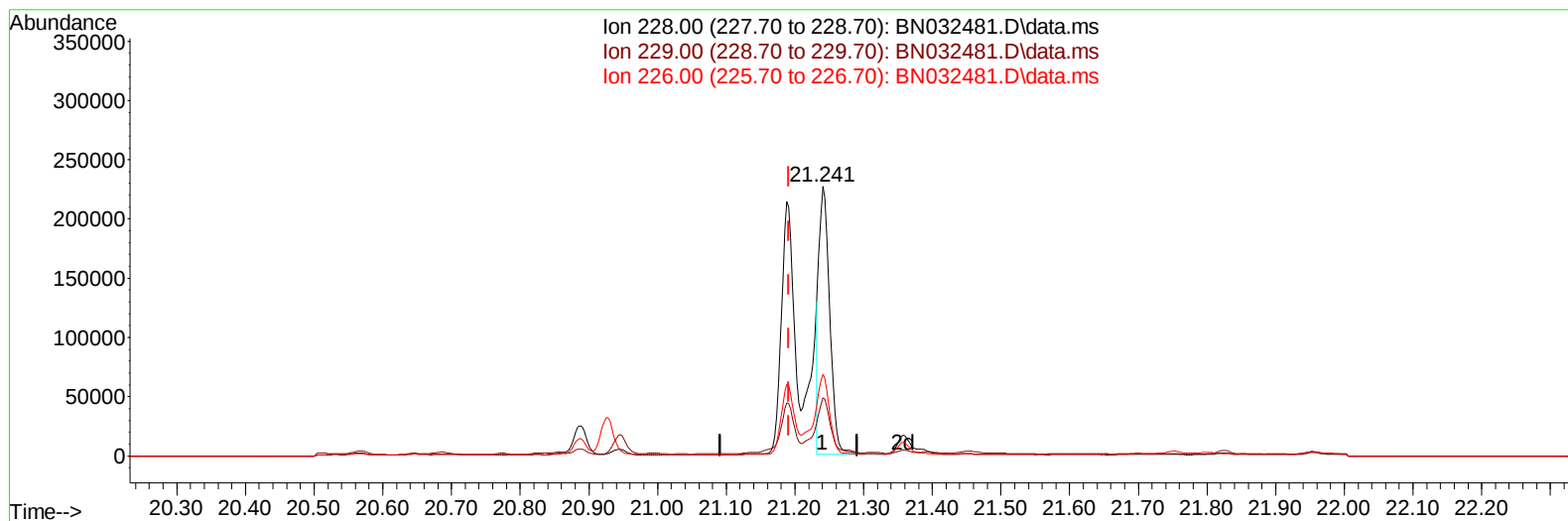
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(21) Benzo(a)anthracene

21.241min (+ 0.050) 3.42 ng/u1

response 243336

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.51
226.00	27.30	30.39
0.00	0.00	0.00

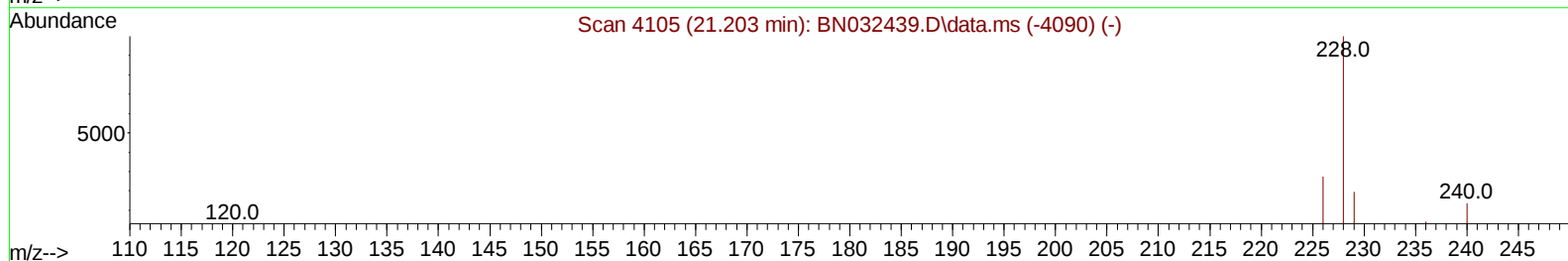
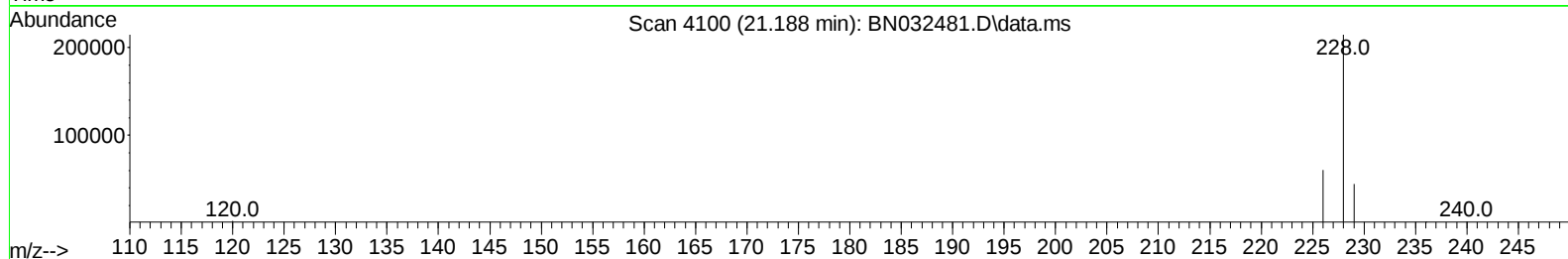
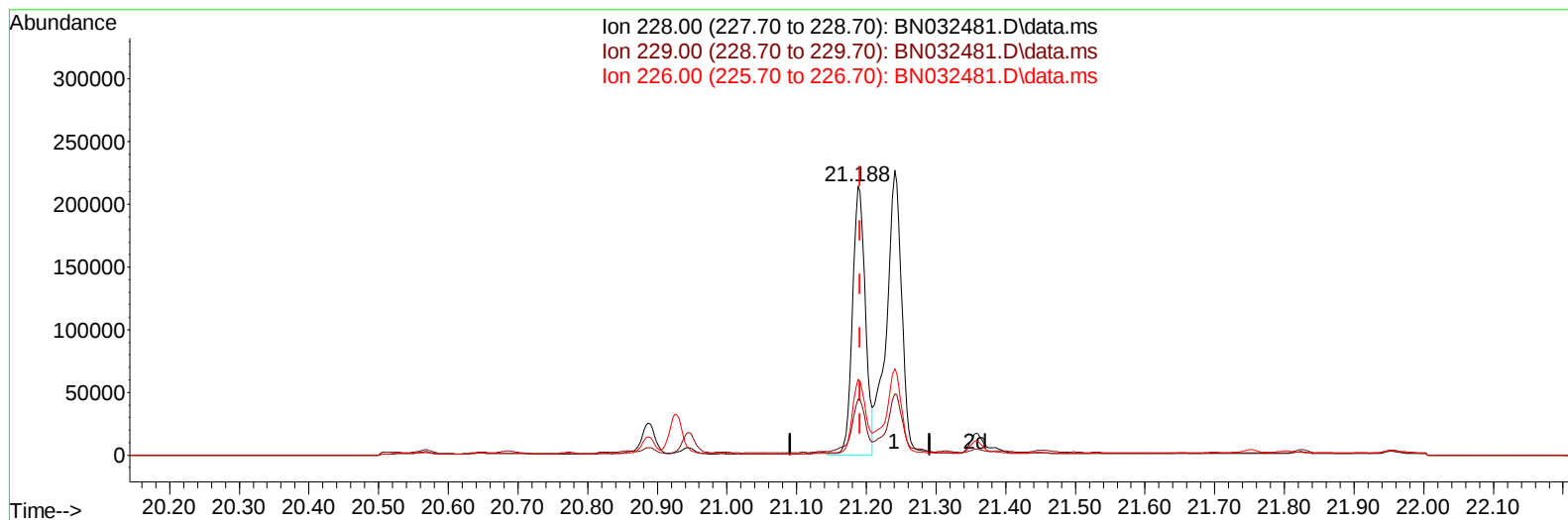
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

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

Quant Time: Jul 04 23:07:49 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



TIC: BN032481.D\data.ms

(21) Benzo(a)anthracene

21.188min (-0.003) 3.86 ng/u1 m

response 274699

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.82
226.00	27.30	28.19
0.00	0.00	0.00

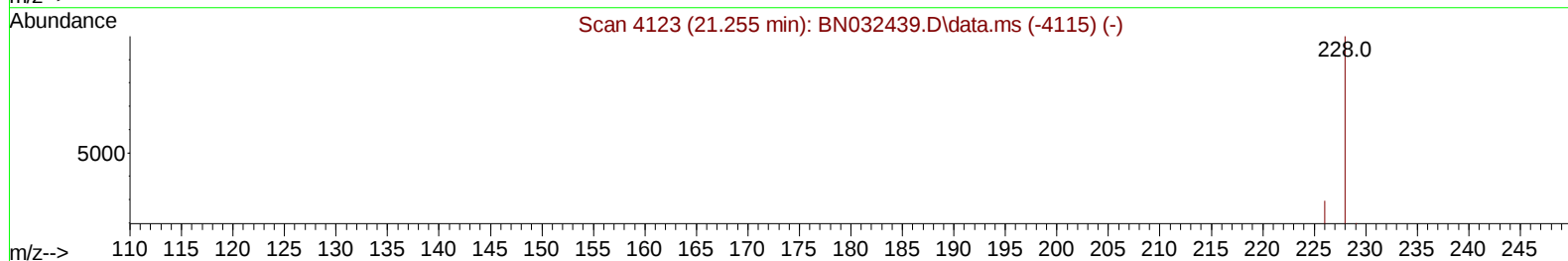
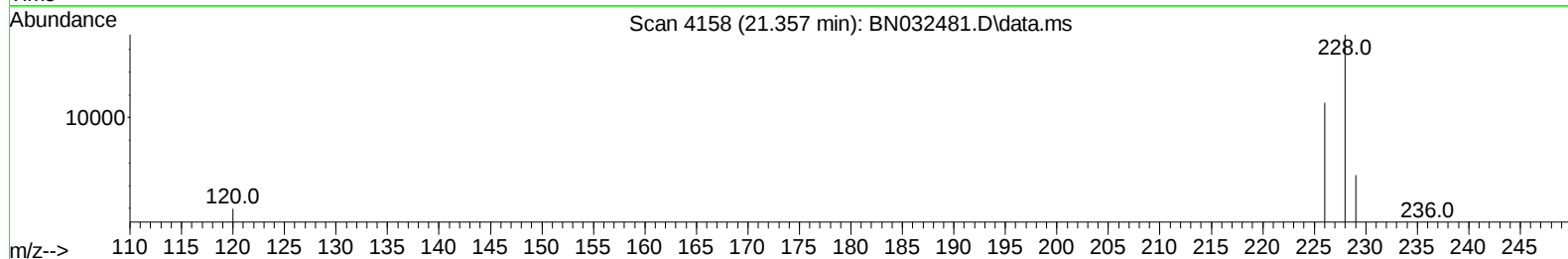
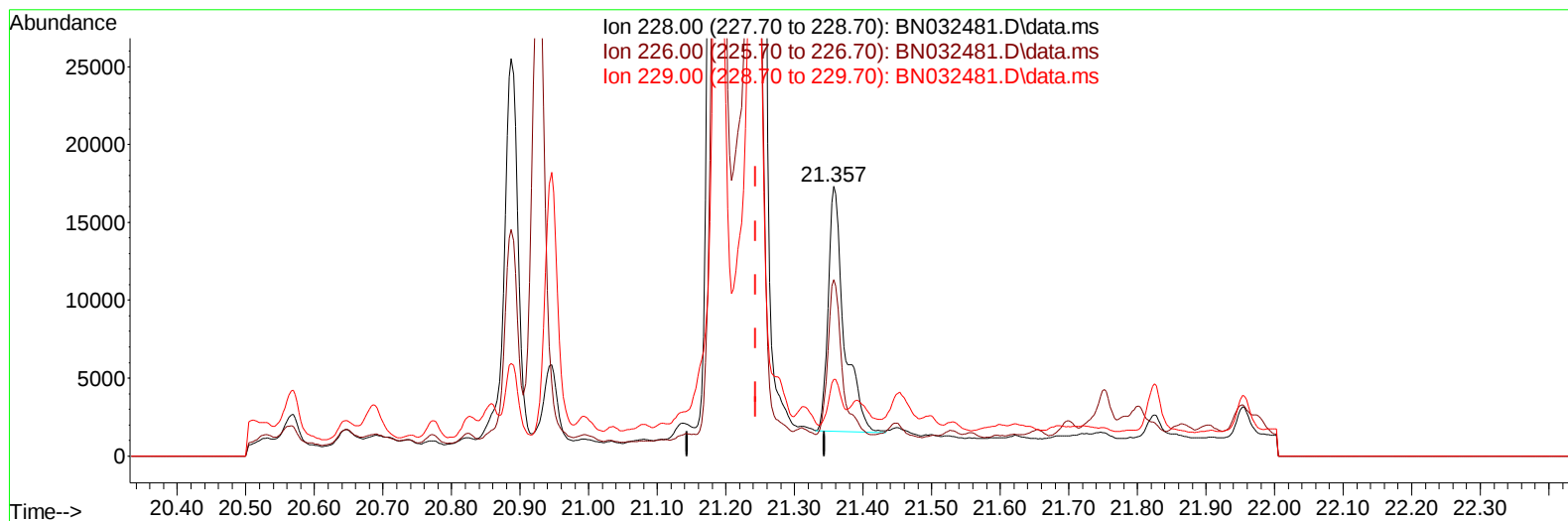
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(22) Chrysene

21.357min (+ 0.114) 0.32 ng/u1

response 25343

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	65.51#
229.00	19.60	28.53#
0.00	0.00	0.00

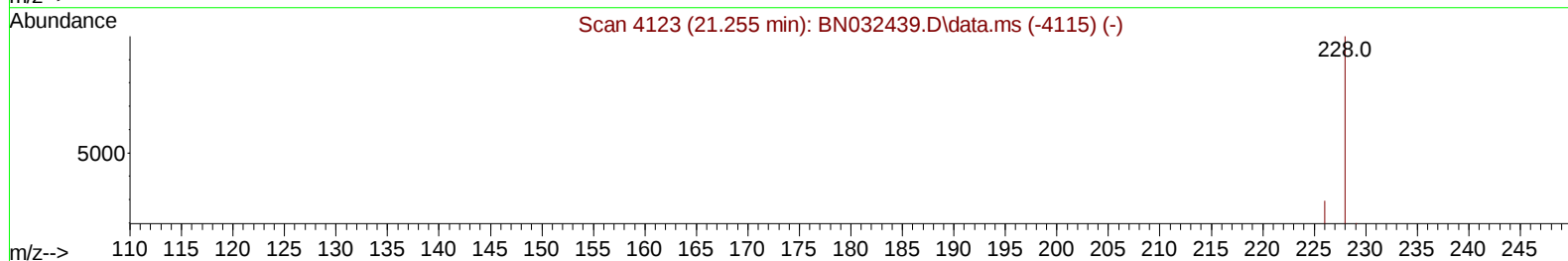
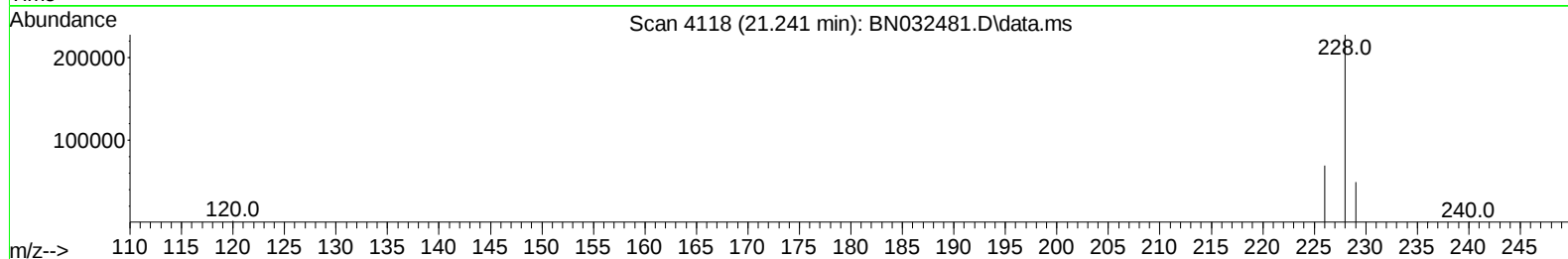
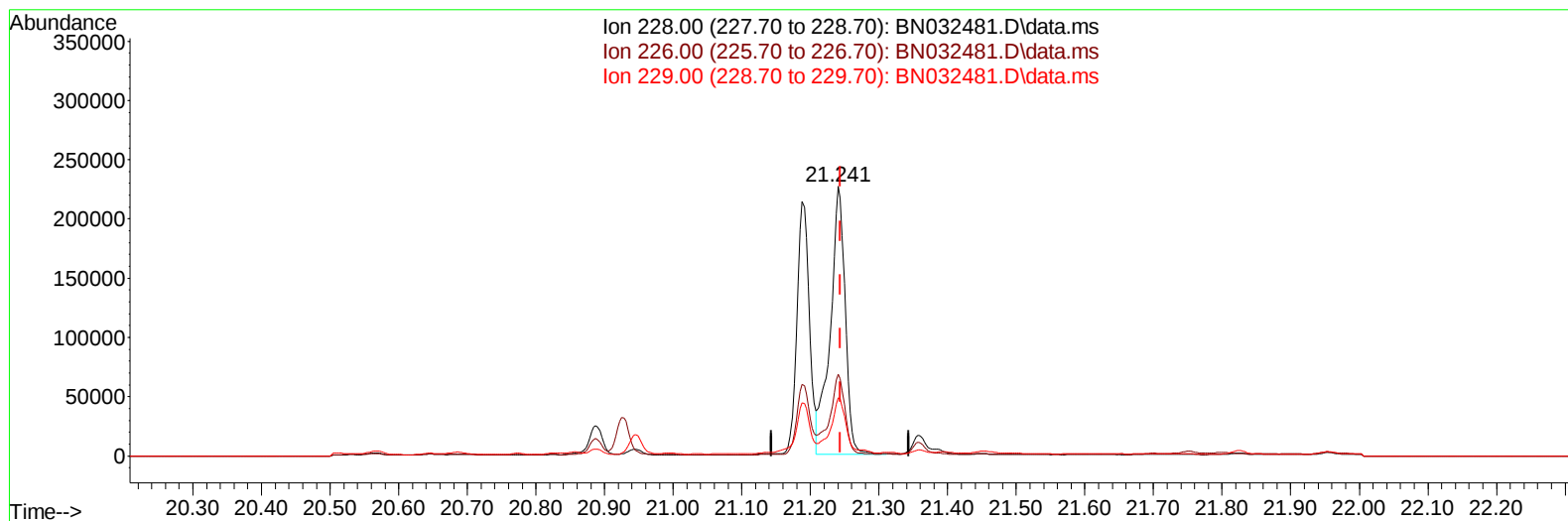
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(22) Chrysene

21.241min (-0.003) 4.39 ng/ul m

response 342671

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	30.39
229.00	19.60	21.51
0.00	0.00	0.00

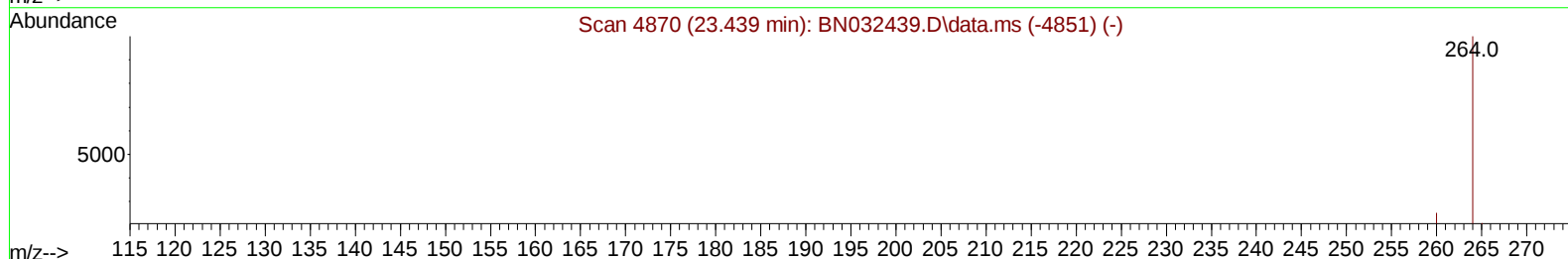
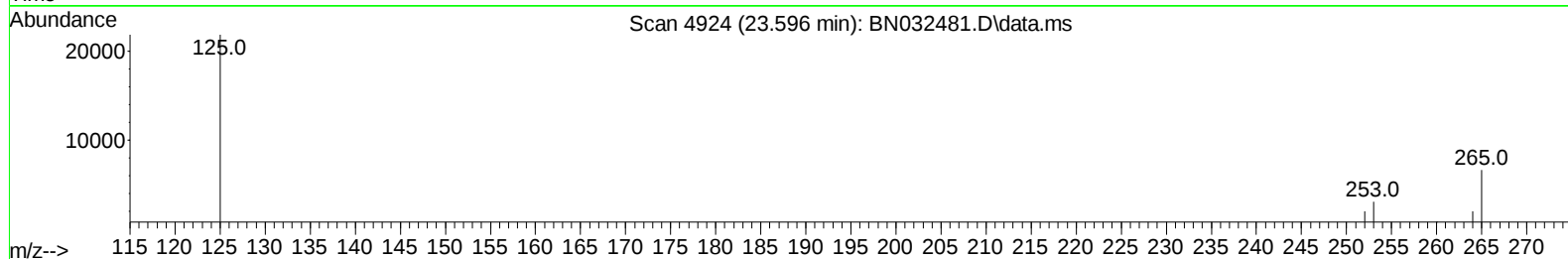
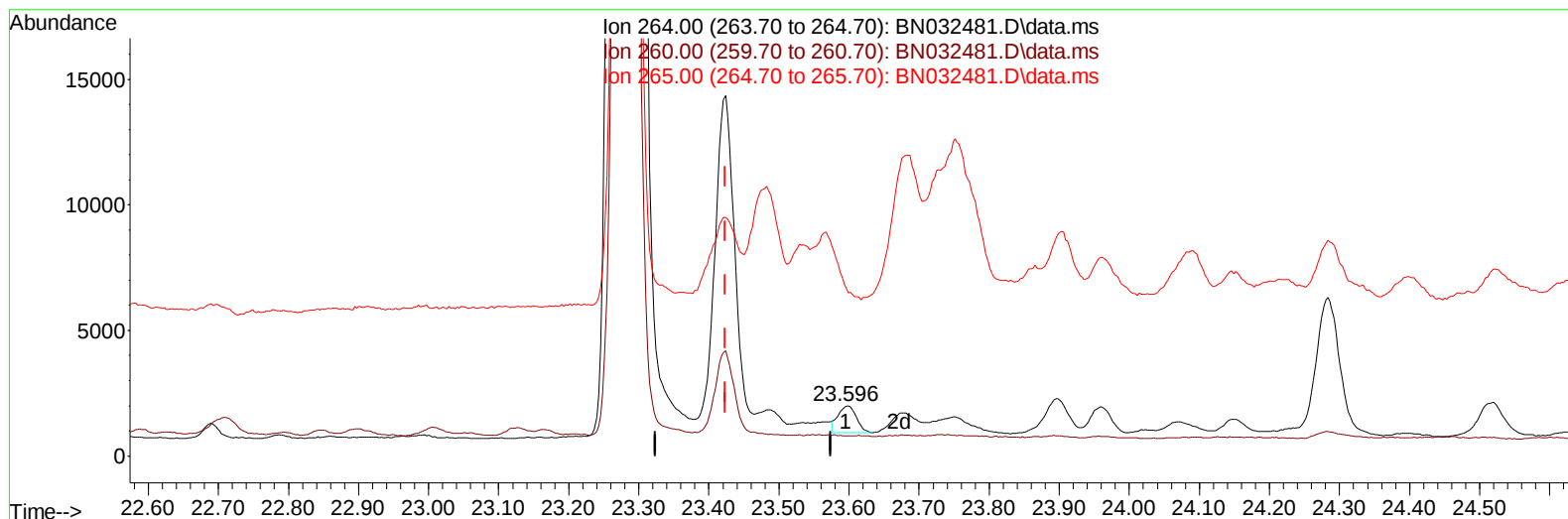
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(23) Perylene-d12 (I)

23.596min (+ 0.172) 0.40 ng/u1

response 1946

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	39.94#
265.00	67.20	334.28#
0.00	0.00	0.00

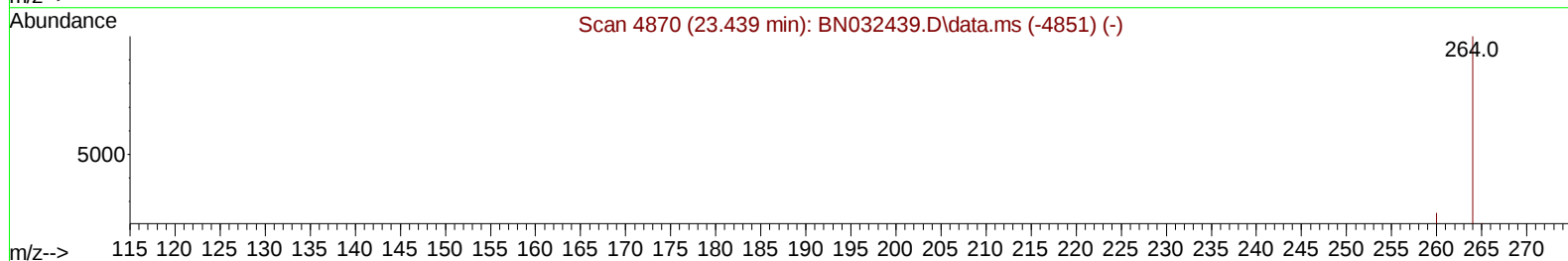
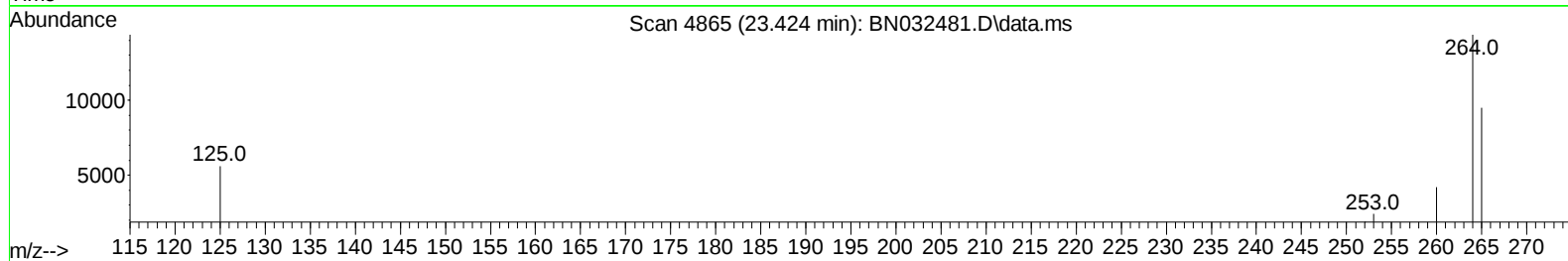
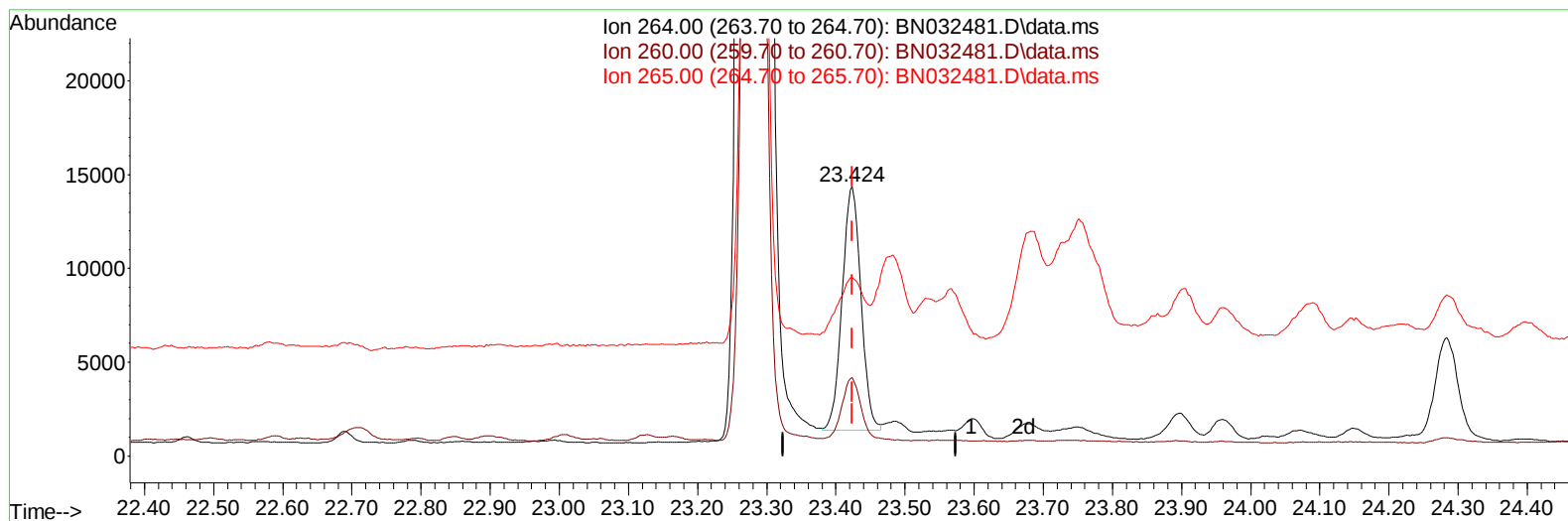
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(23) Perylene-d12 (I)

23.424min (-0.000) 0.40 ng/ul m

response 24530

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	29.10
265.00	67.20	66.14
0.00	0.00	0.00

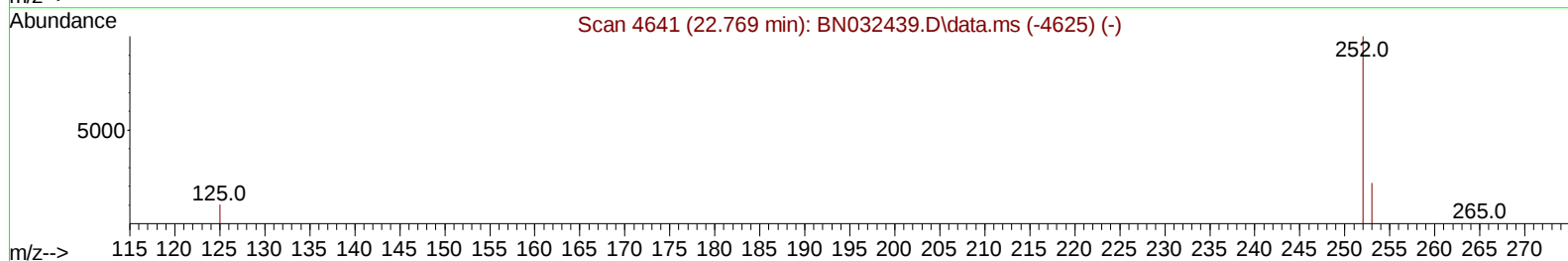
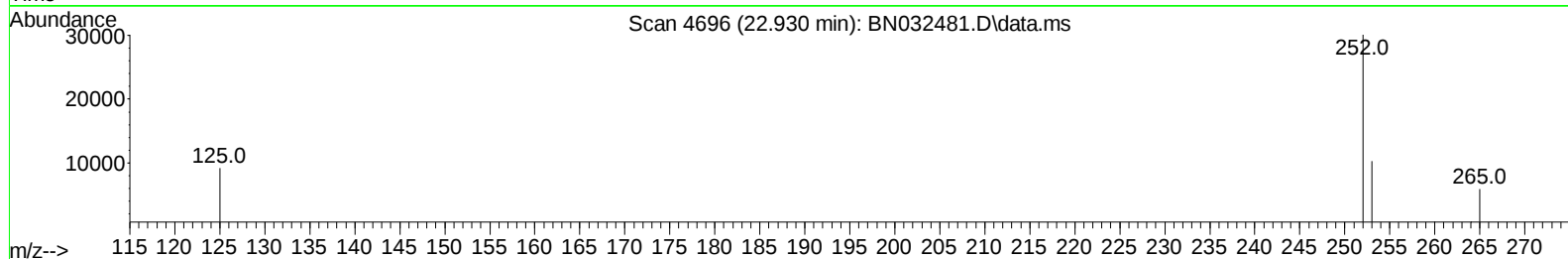
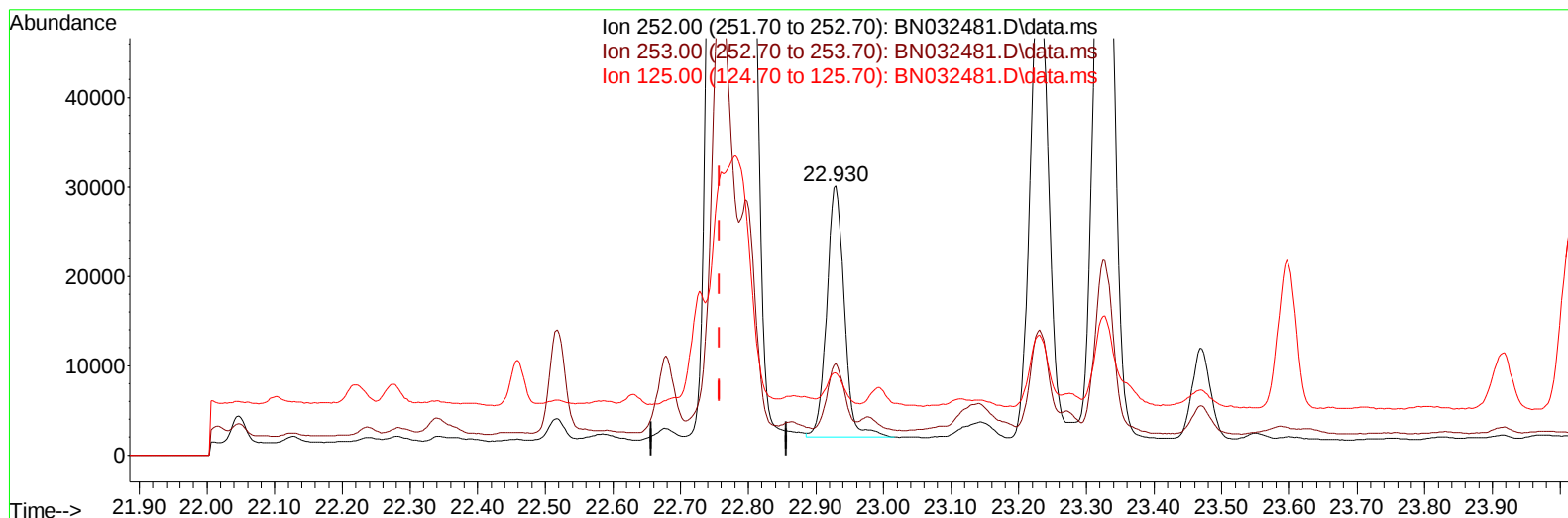
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(24) Benzo(b)fluoranthene

22.930min (+ 0.172) 0.48 ng/u1

response 50694

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	34.05
125.00	16.00	30.63
0.00	0.00	0.00

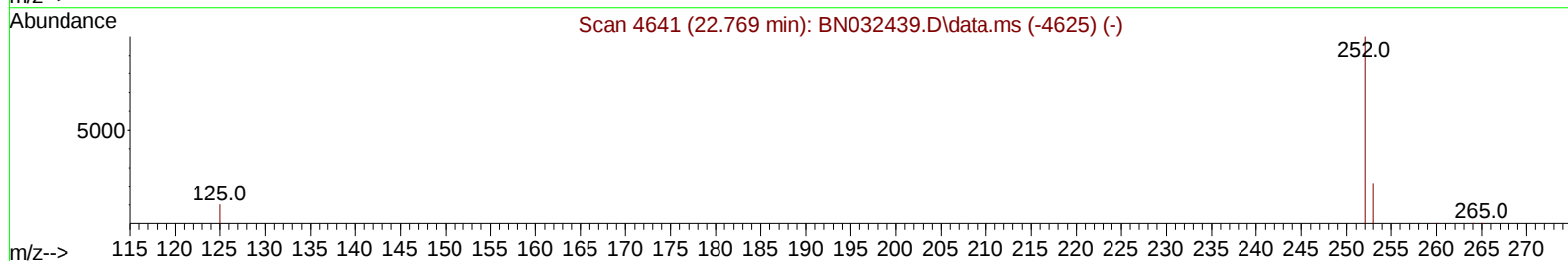
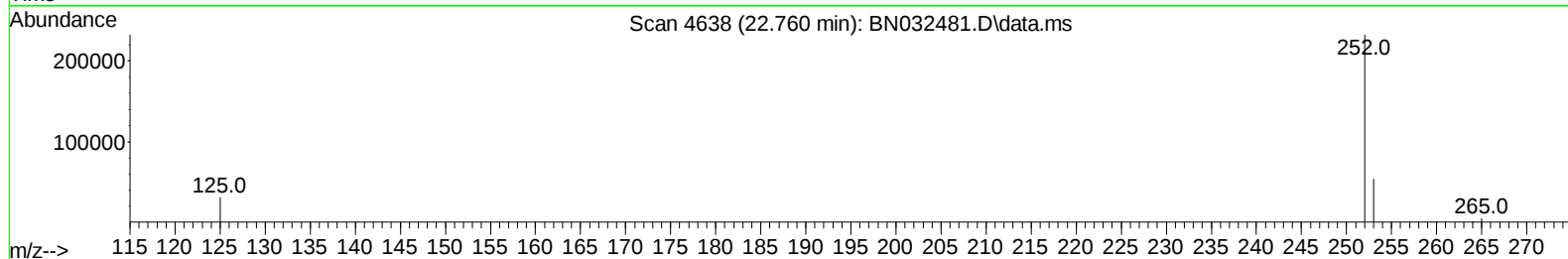
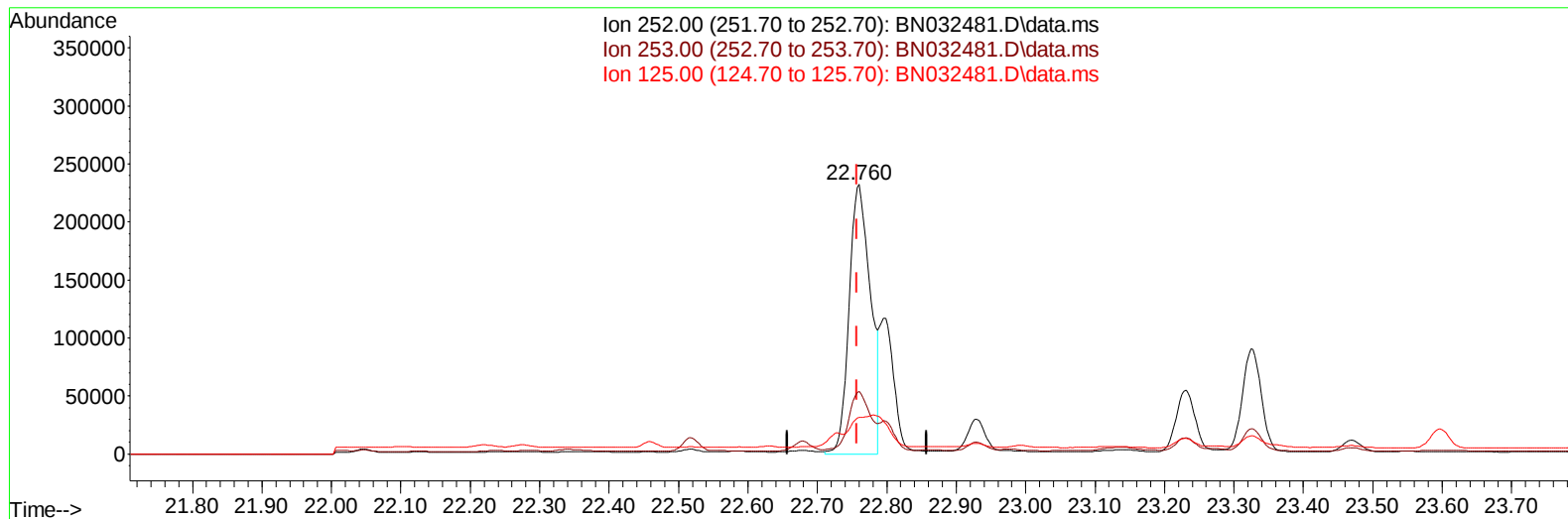
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(24) Benzo(b)fluoranthene

22.760min (+ 0.003) 4.64 ng/u1 m

response 494049

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.17
125.00	16.00	13.63
0.00	0.00	0.00

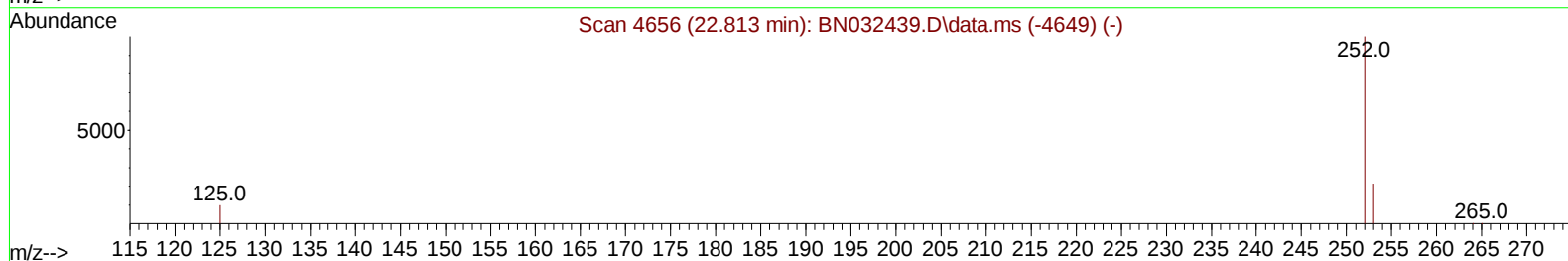
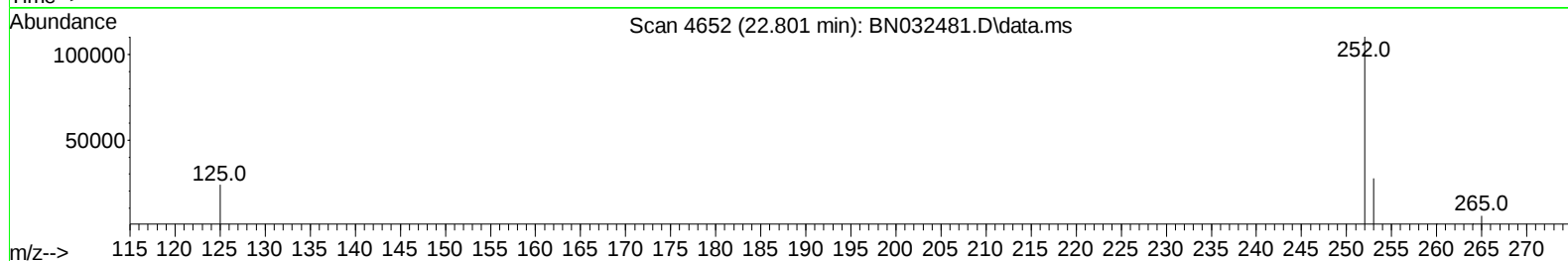
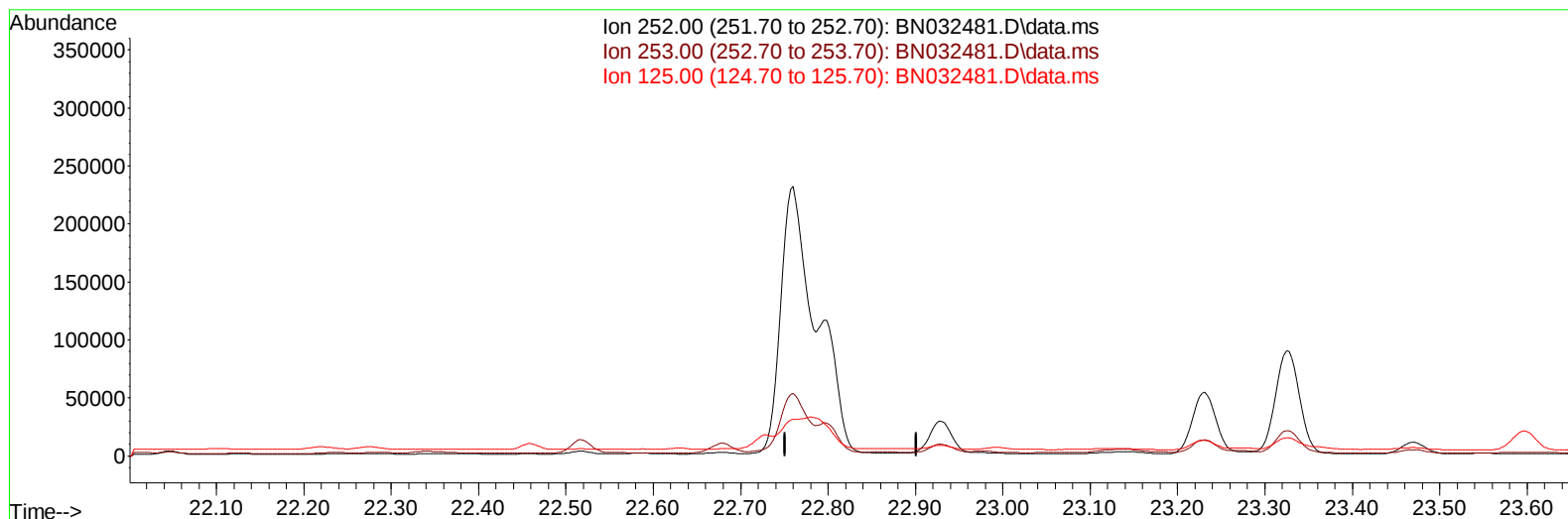
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.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

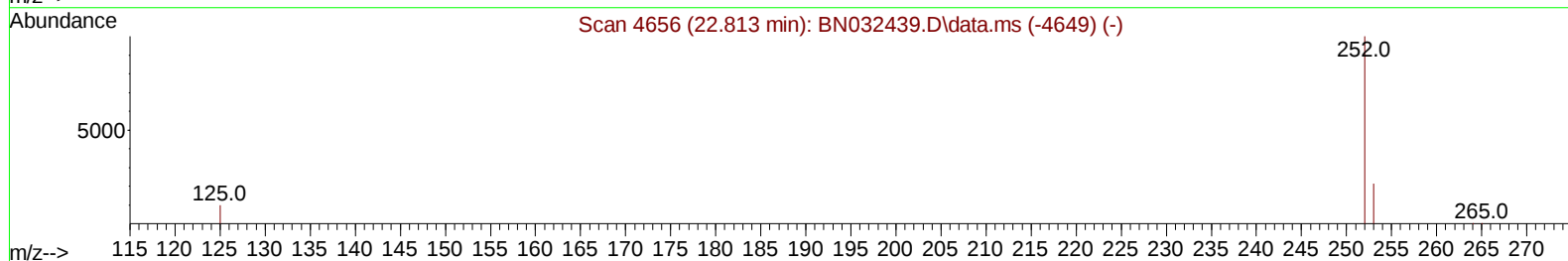
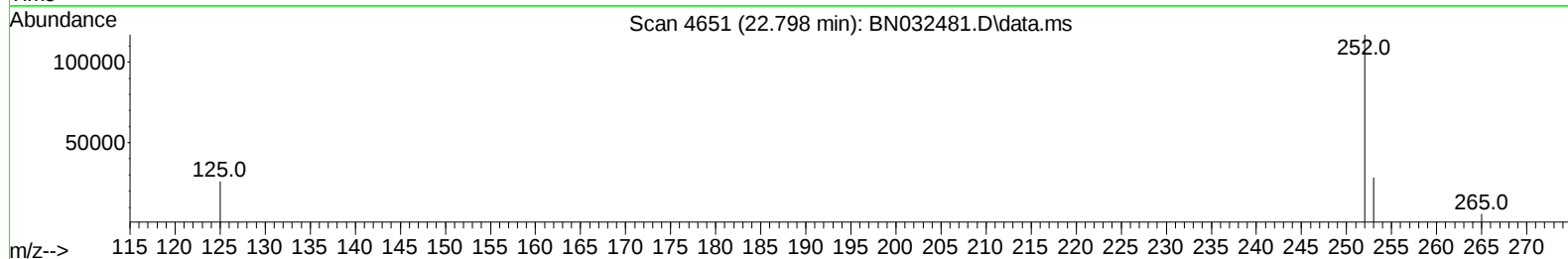
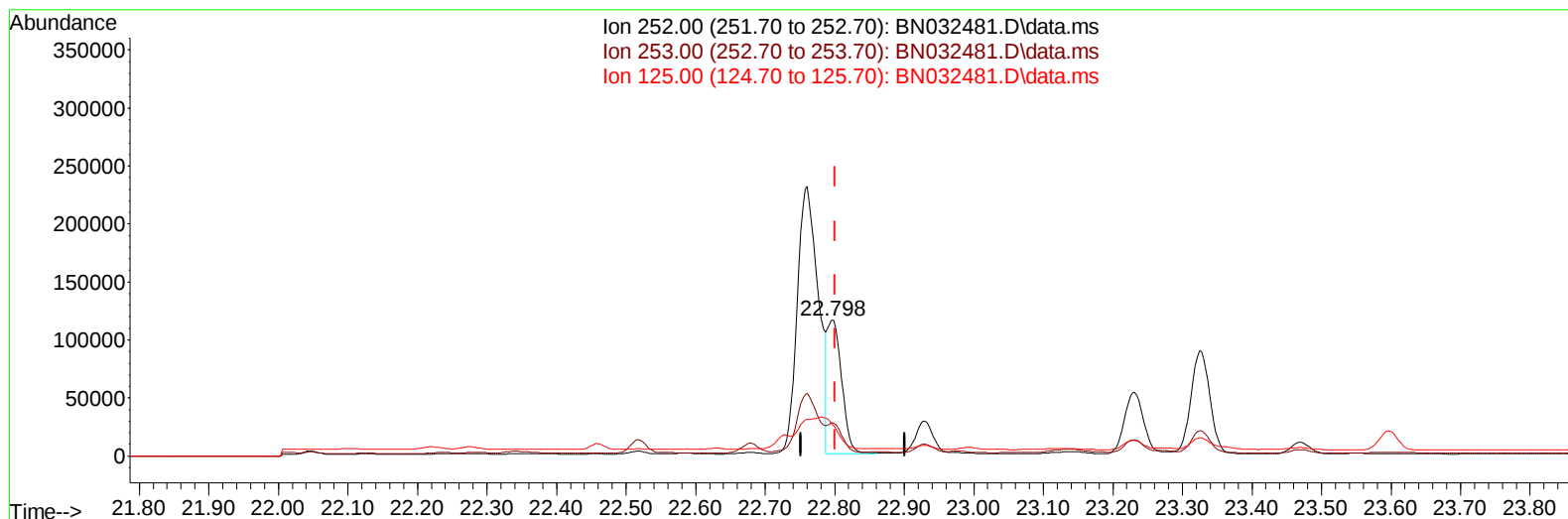
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(25) Benzo(k)fluoranthene

22.798min (-0.003) 1.61 ng/u1 m

response 166700

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	24.29
125.00	16.00	22.37#
0.00	0.00	0.00

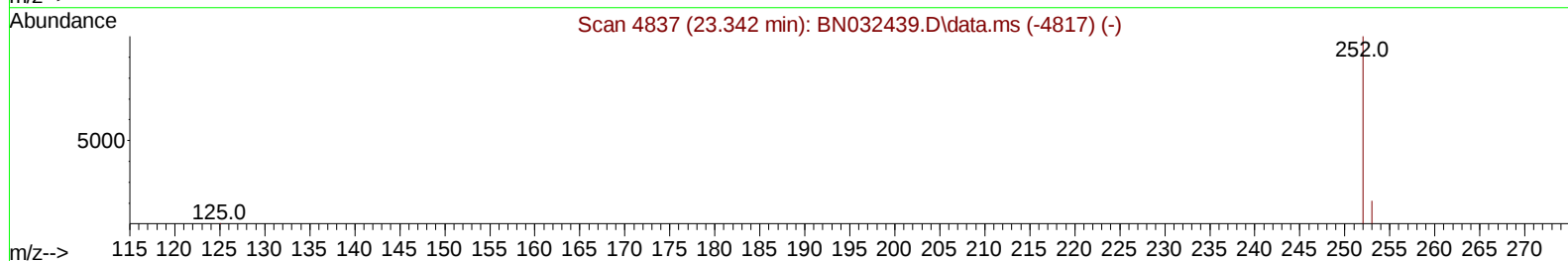
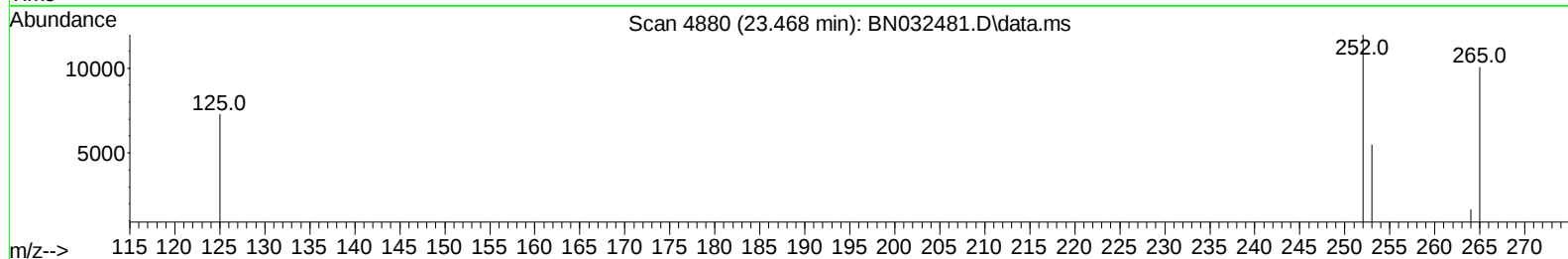
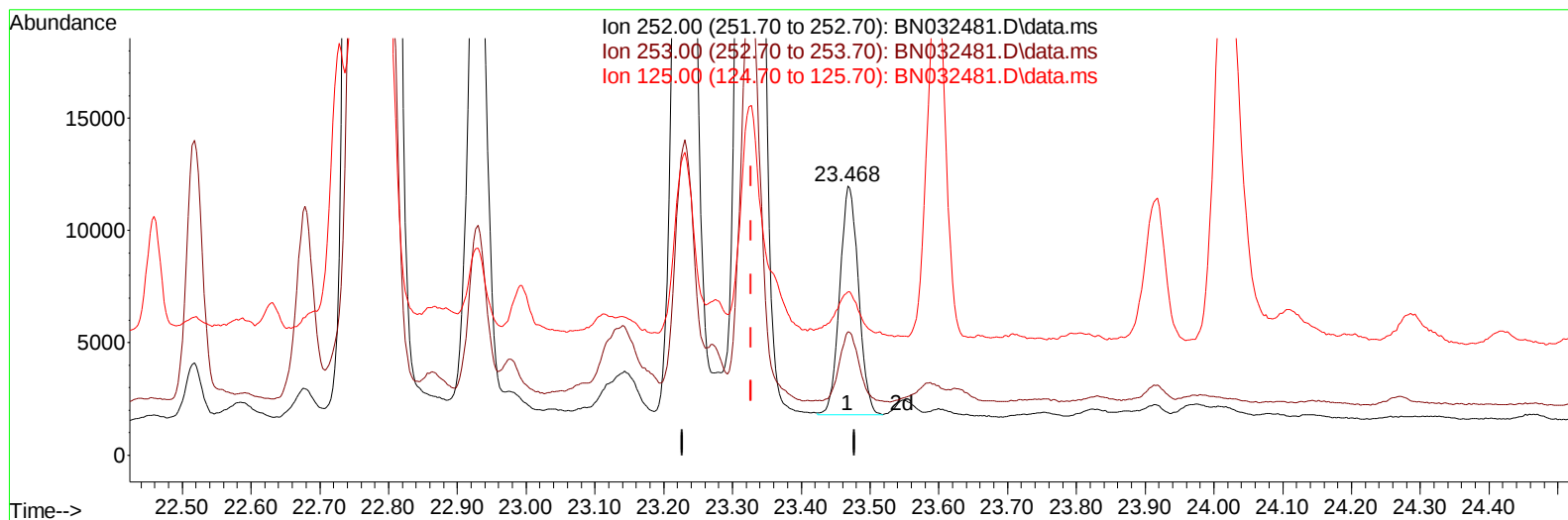
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(26) Benzo(a)pyrene (C)

23.468min (+ 0.140) 0.26 ng/u1

response 19350

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.70	45.96#
125.00	20.50	60.76#
0.00	0.00	0.00

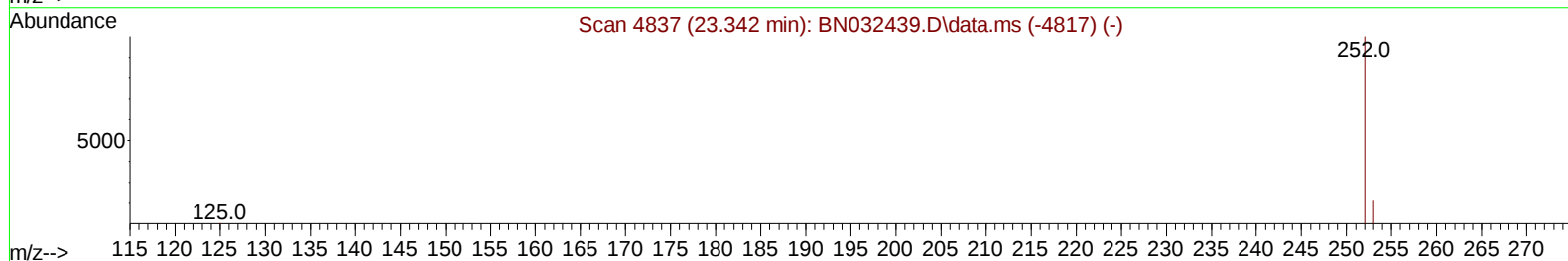
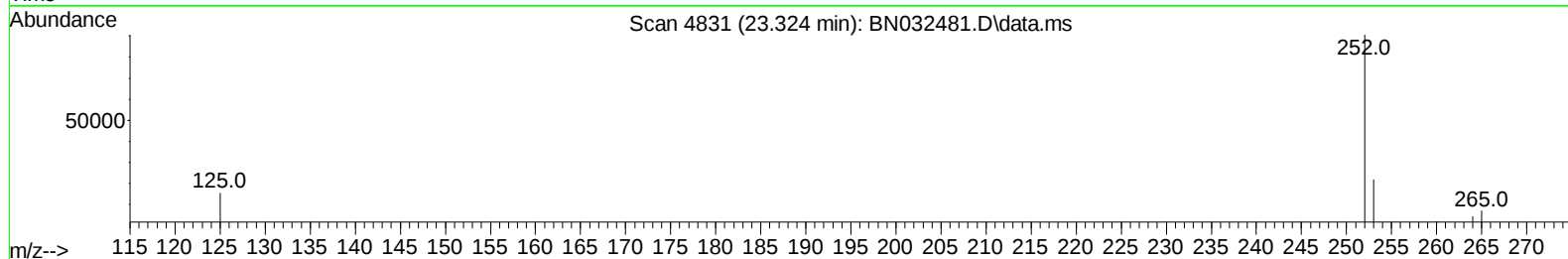
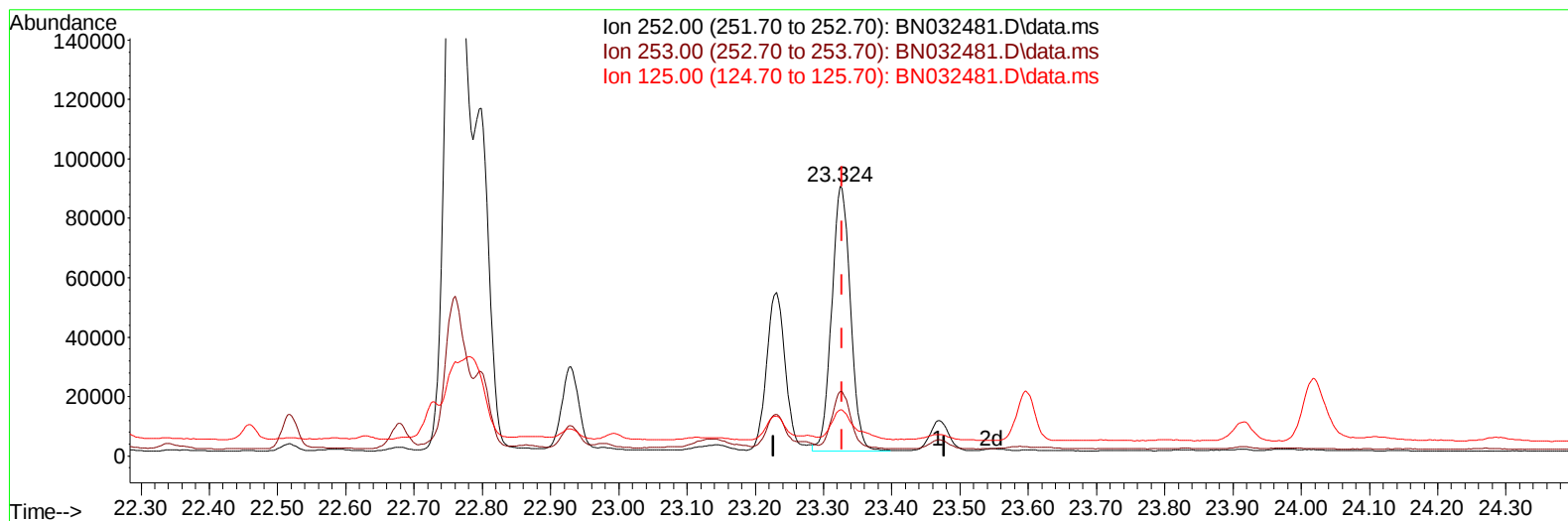
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(26) Benzo(a)pyrene (C)

23.324min (-0.003) 2.30 ng/u1 m

response 170322

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.70	24.03
125.00	20.50	17.11
0.00	0.00	0.00

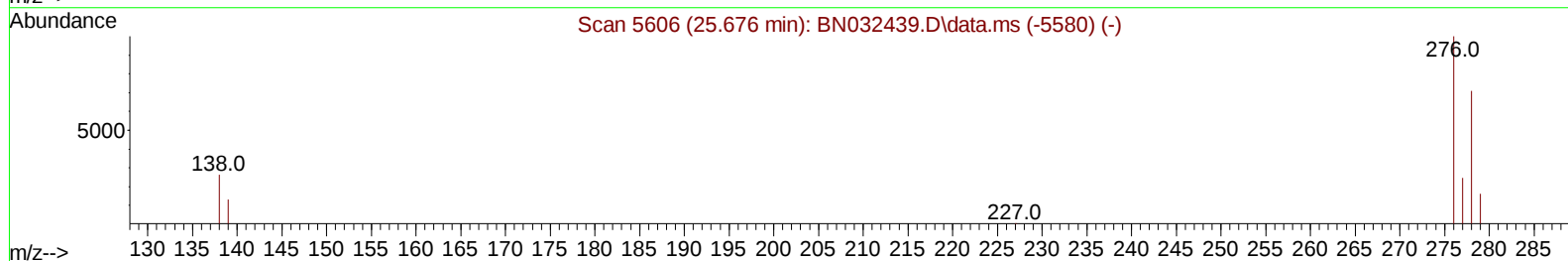
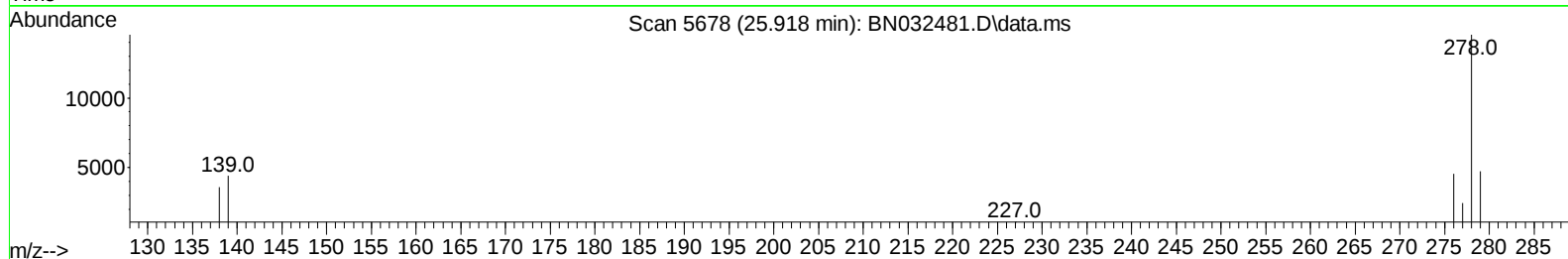
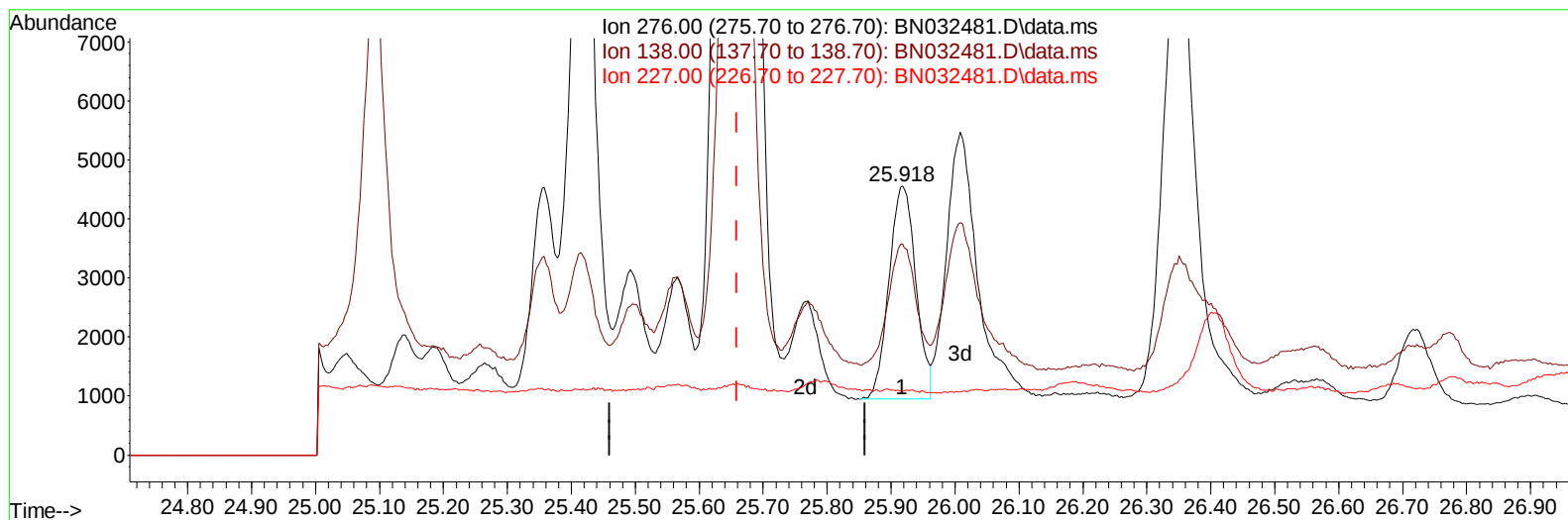
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

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

25.918min (+ 0.258) 0.09 ng/u1

response 10493

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.60	58.15#
227.00	0.10	0.51#
0.00	0.00	0.00

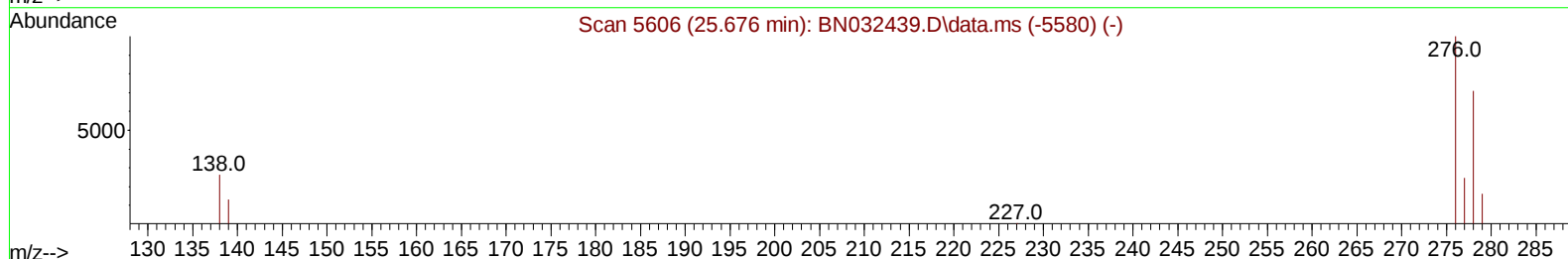
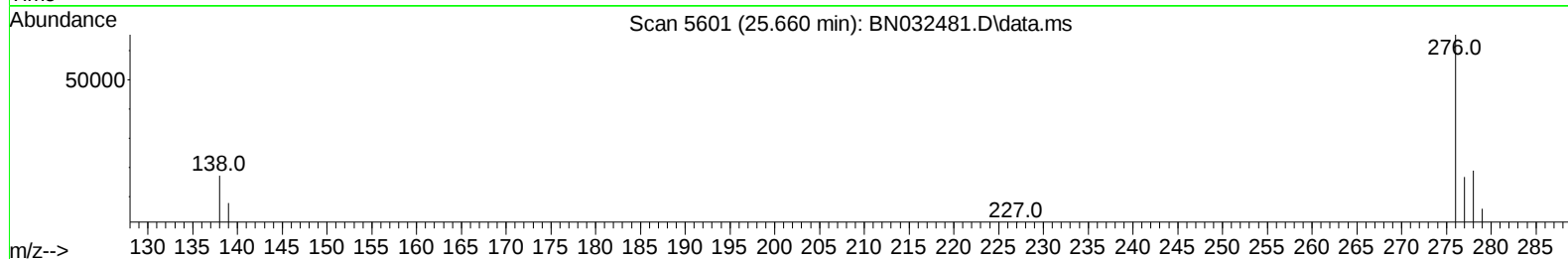
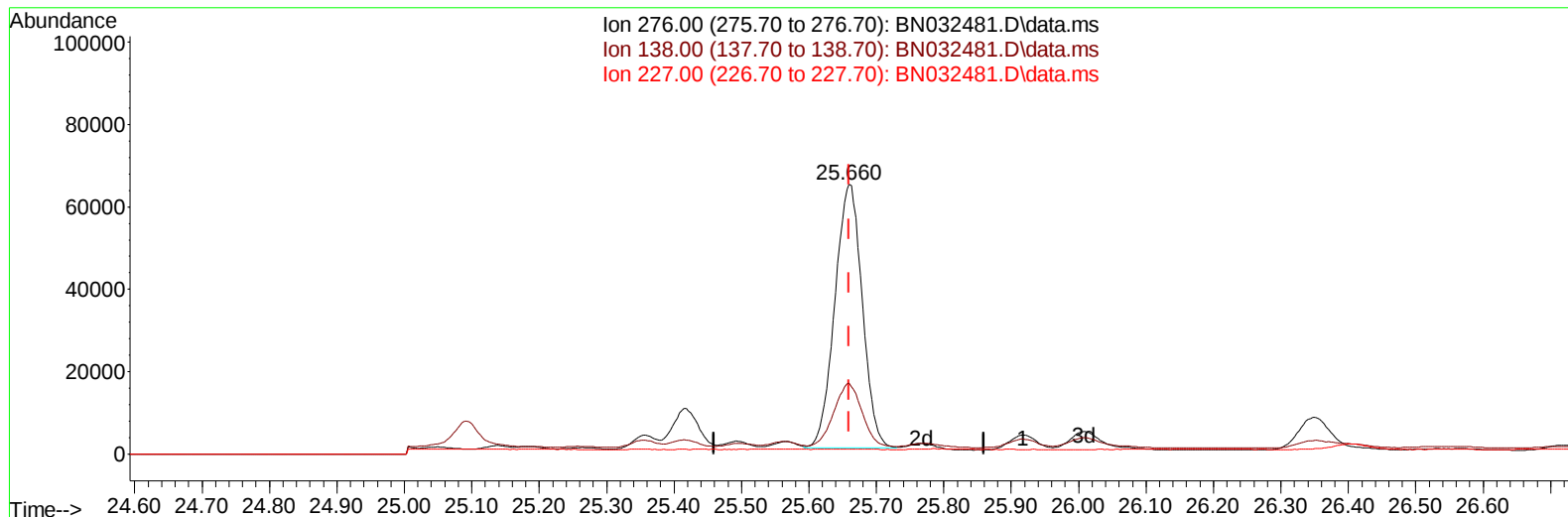
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

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

25.660min (-0.000) 1.55 ng/u1 m

response 180350

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.60	3.38#
227.00	0.10	0.03#
0.00	0.00	0.00

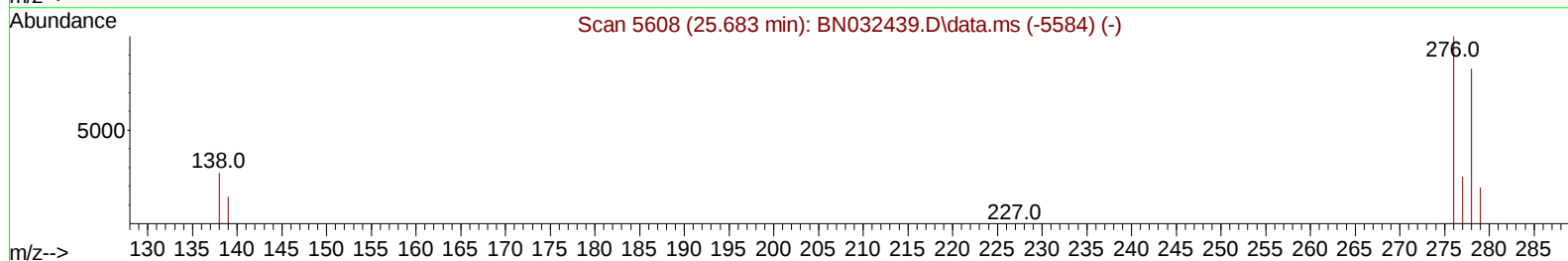
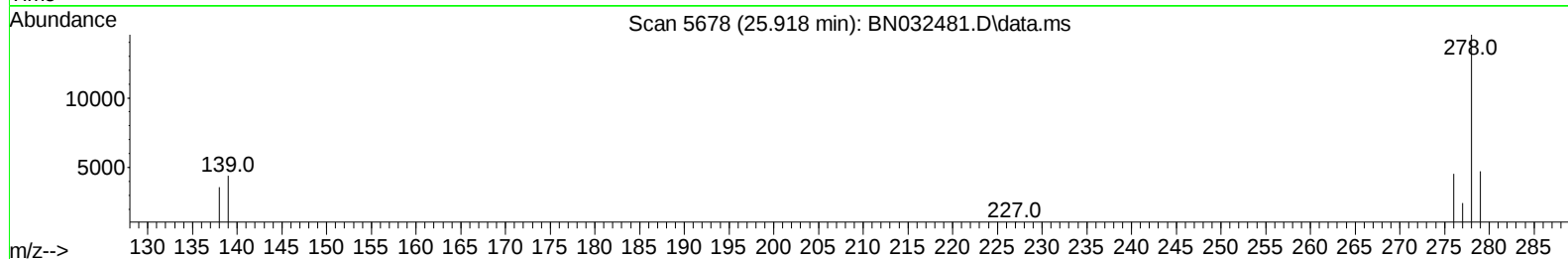
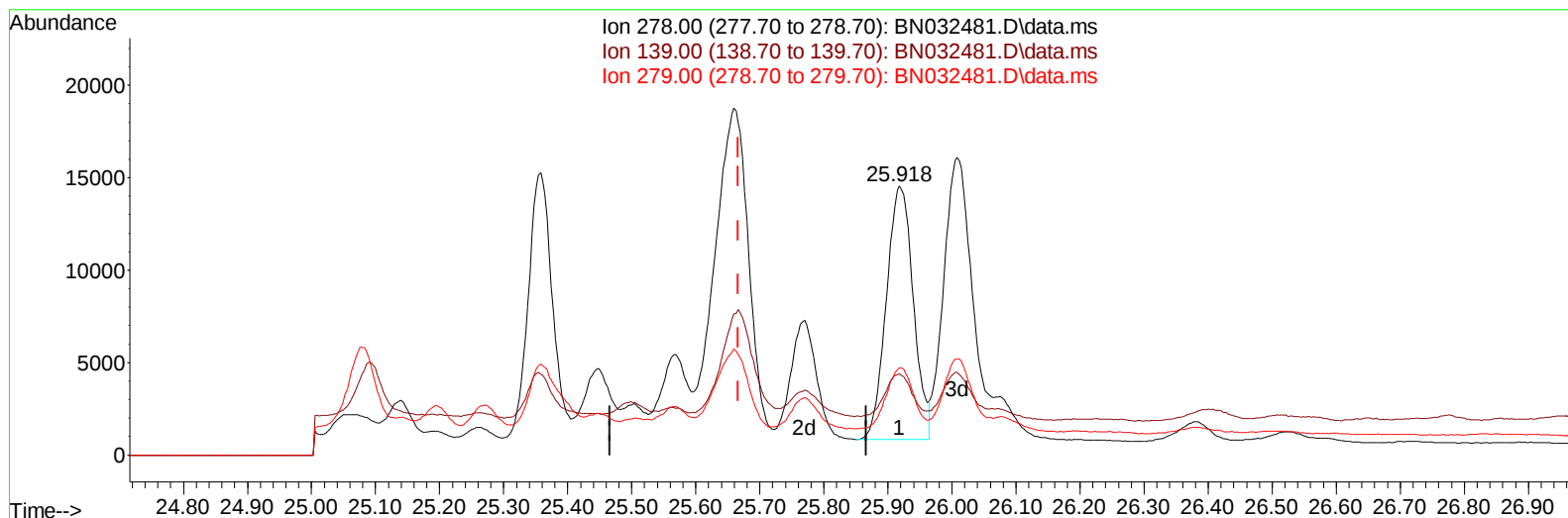
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(28) Dibenzo(a,h)anthracene

25.918min (+ 0.251) 0.47 ng/u1

response 40165

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	19.90	30.26#
279.00	26.40	32.48#
0.00	0.00	0.00

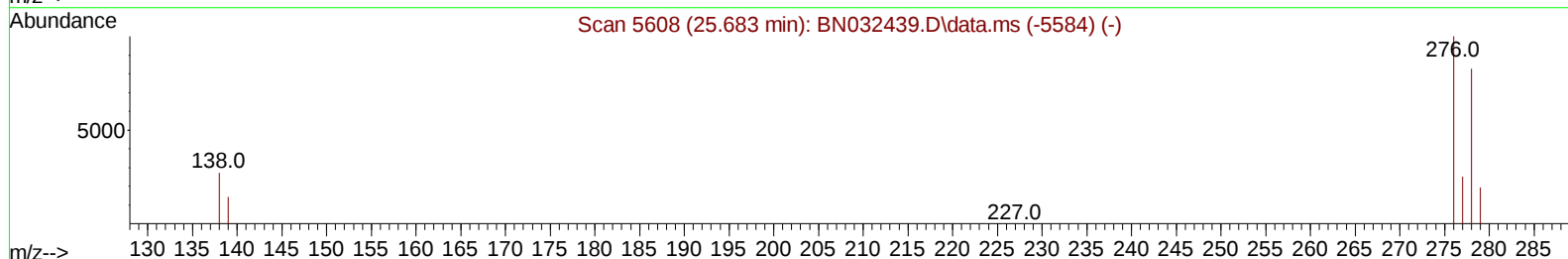
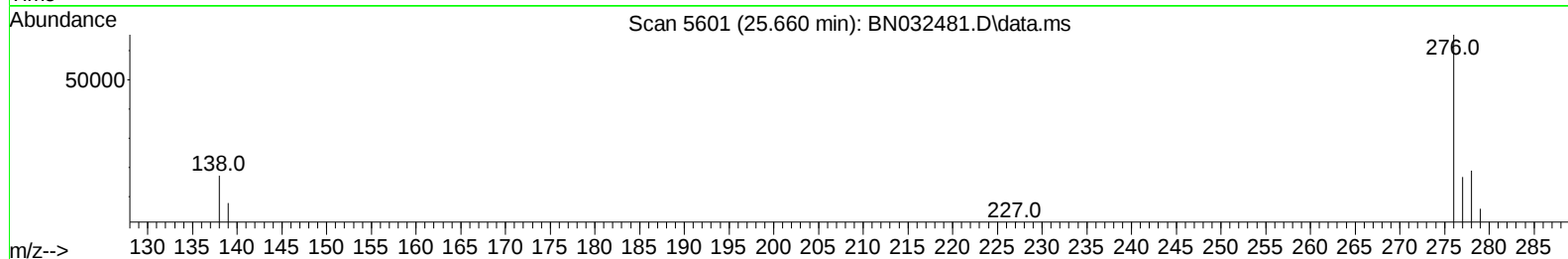
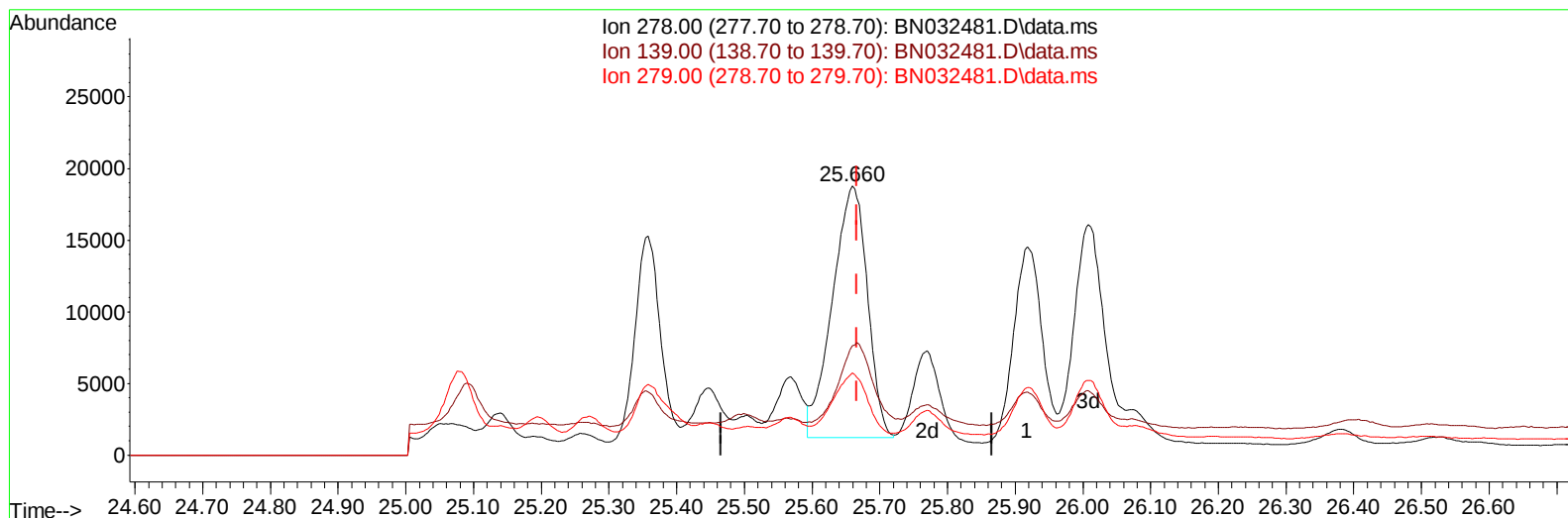
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 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: BN032481.D\data.ms

(28) Dibenzo(a,h)anthracene

25.660min (-0.007) 0.73 ng/ul m

response 63120

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	19.90	40.71#
279.00	26.40	30.55
0.00	0.00	0.00

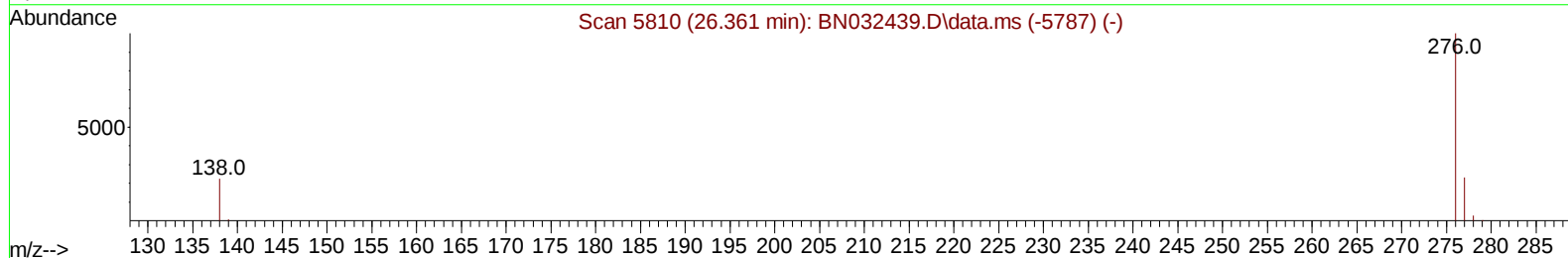
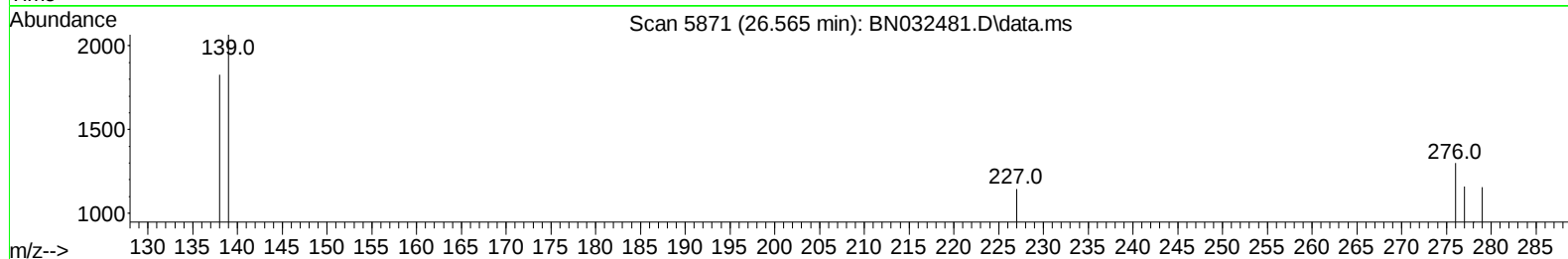
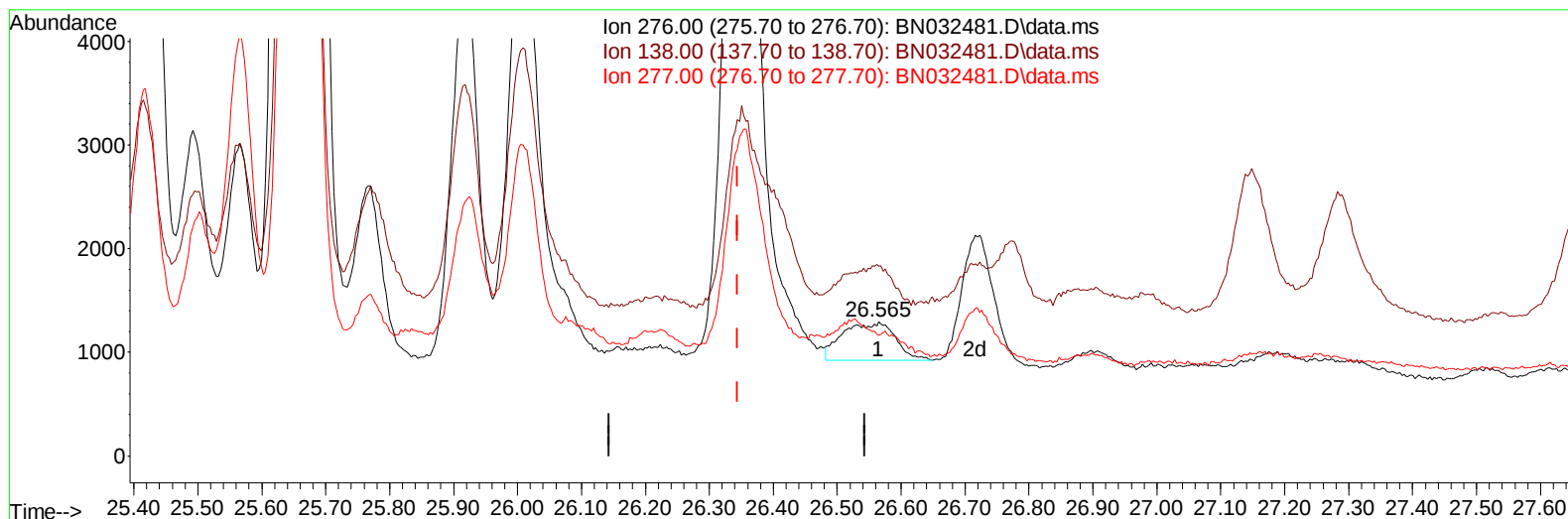
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

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



TIC: BN032481.D\data.ms

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

26.565min (+ 0.221) 0.02 ng/u1

response 2118

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	140.83#
277.00	24.70	89.37#
0.00	0.00	0.00

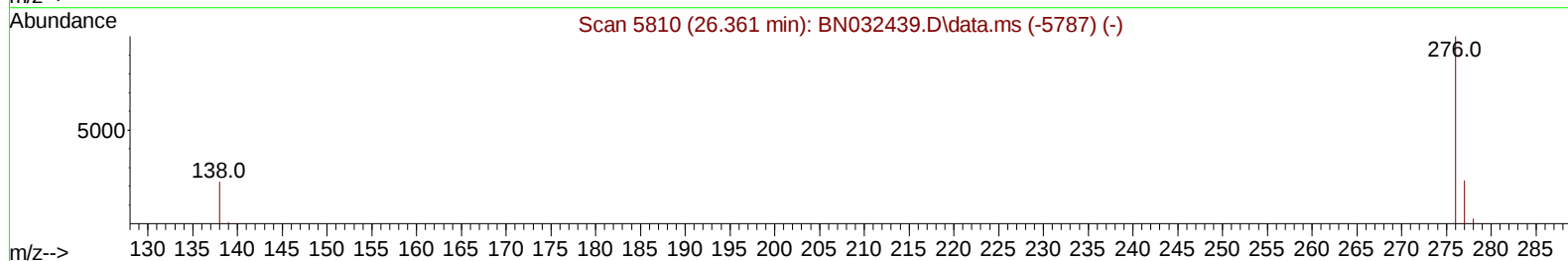
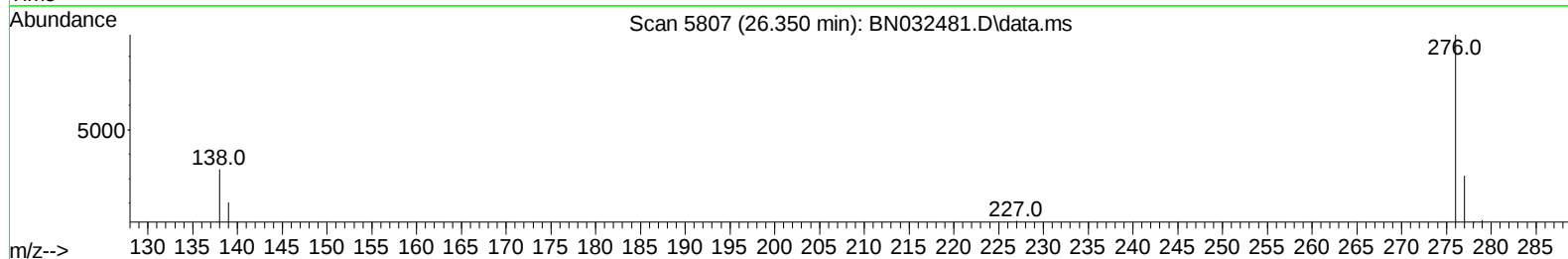
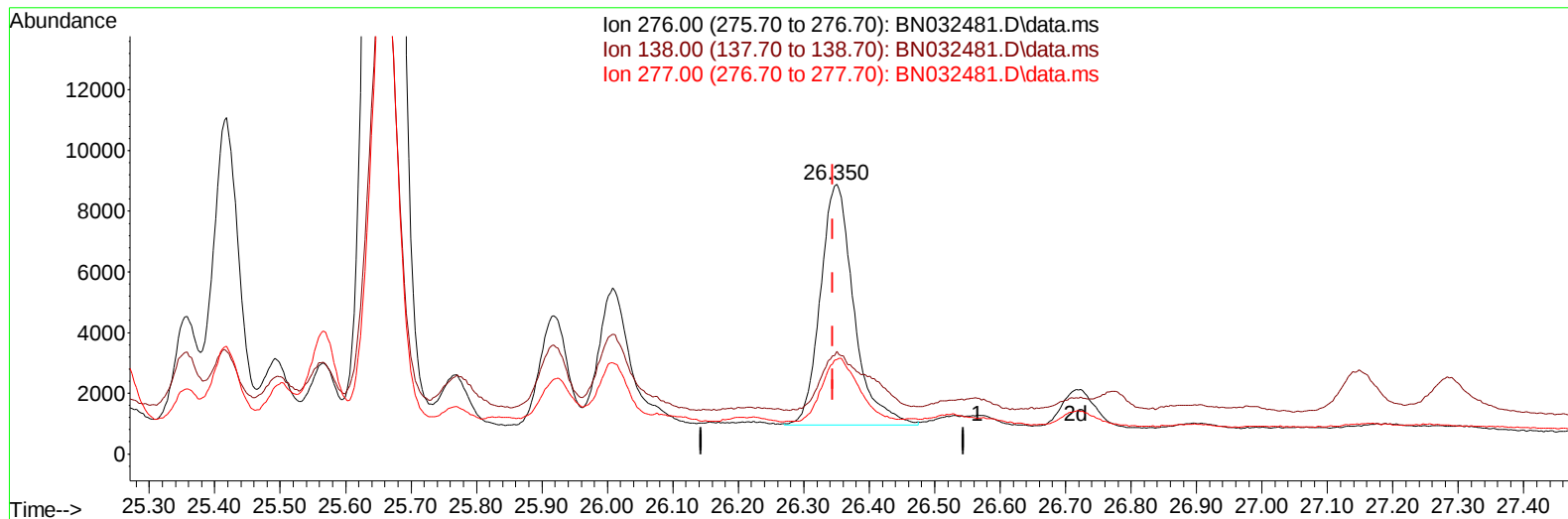
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
Acq On : 04 Jul 2024 19:22
Operator : MA/JU
Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 2024
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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: BN032481.D\data.ms

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

26.350min (+ 0.007) 0.30 ng/ul m

response 28108

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	38.05#
277.00	24.70	35.01#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032481.D
 Acq On : 04 Jul 2024 19:22
 Operator : MA/JU
 Sample : P2964-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B49

Manual IntegrationsAPPROVED

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

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.595	152	7842	0.400	ng/ul	0.00
4) Naphthalene-d8	10.371	136	22231	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.244	164	12125	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.999	188	23936m	0.400	ng/ul	0.00
17) Chrysene-d12	21.206	240	19716m	0.400	ng/ul	0.00
23) Perylene-d12	23.424	264	24530m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	24748	2.839	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.971	152	5652	0.170	ng/ul	0.00
18) Fluoranthene-d10	19.036	212	11944m	0.201	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.420	128	10217	0.174	ng/ul	97
7) 2-Methylnaphthalene	12.043	142	3429	0.088	ng/ul	98
8) 1-Methylnaphthalene	12.268	142	2844	0.070	ng/ul	99
10) Acenaphthylene	13.966	152	17893	0.355	ng/ul	98
11) Acenaphthene	14.309	153	9807	0.251	ng/ul	99
12) Fluorene	15.303	166	11851	0.254	ng/ul	98
15) Phenanthrene	17.041	178	287541m	4.382	ng/ul	
16) Anthracene	17.134	178	44678m	0.763	ng/ul	
19) Fluoranthene	19.069	202	643761m	8.575	ng/ul	
20) Pyrene	19.436	202	447145m	5.699	ng/ul	
21) Benzo(a)anthracene	21.188	228	274699m	3.860	ng/ul	
22) Chrysene	21.241	228	342671m	4.387	ng/ul	
24) Benzo(b)fluoranthene	22.760	252	494049m	4.636	ng/ul	
25) Benzo(k)fluoranthene	22.798	252	166700m	1.610	ng/ul	
26) Benzo(a)pyrene	23.324	252	170322m	2.297	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.660	276	180350m	1.553	ng/ul	
28) Dibenzo(a,h)anthracene	25.660	278	63120m	0.732	ng/ul	
29) Benzo(g,h,i)perylene	26.350	276	28108m	0.304	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032481.D
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Sample : P2964-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B49

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:07:49 2024
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