

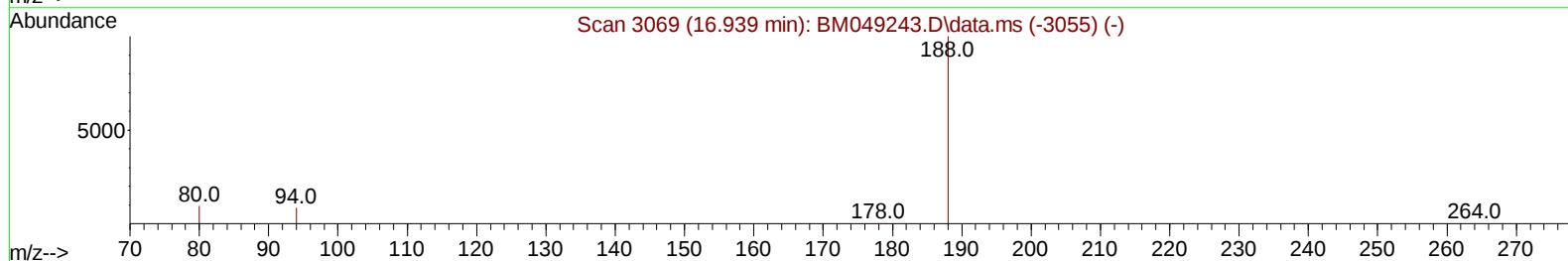
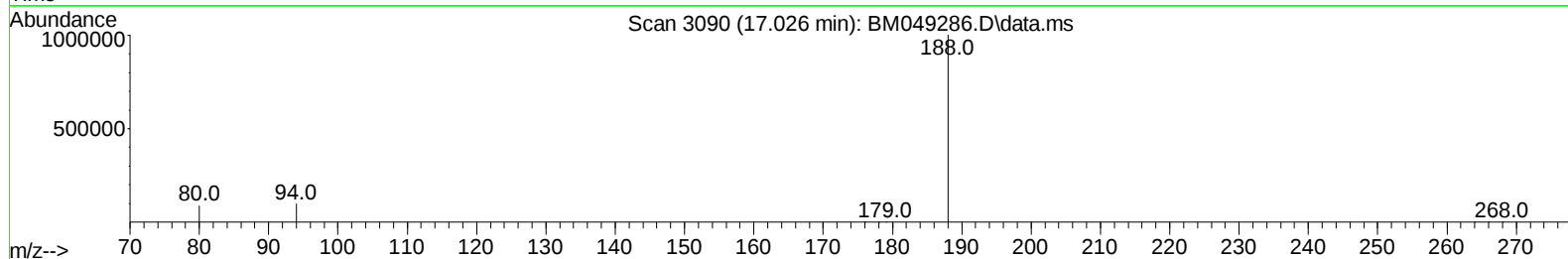
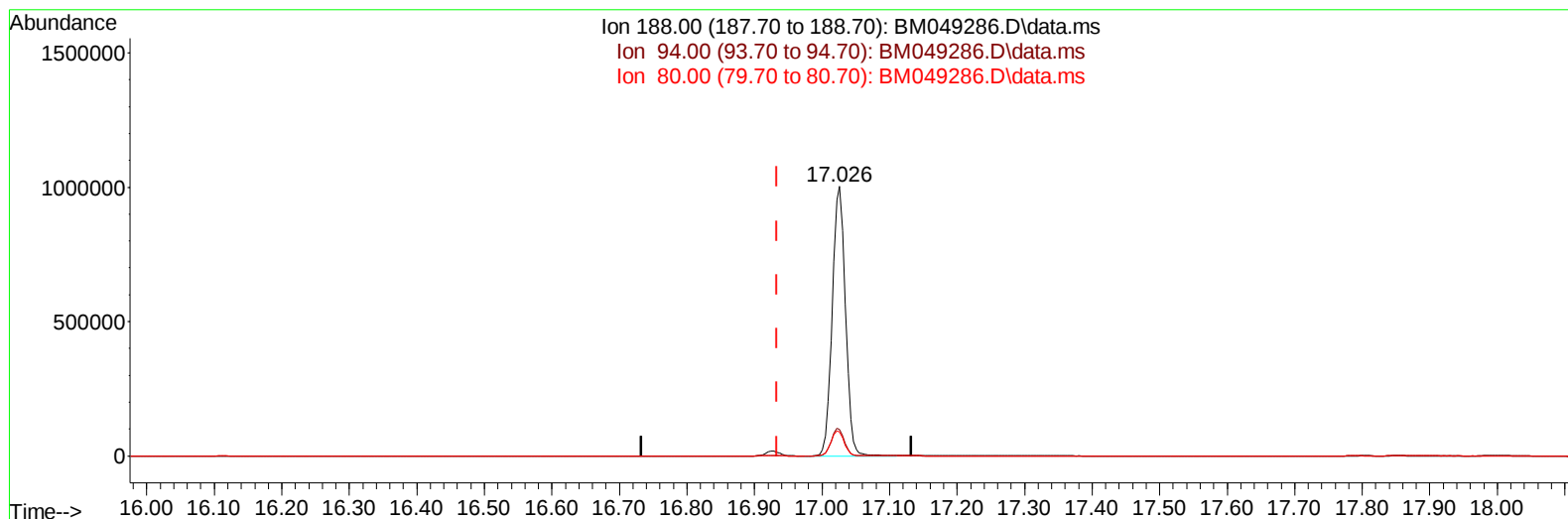
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(13) Phenanthrene-d10 (I)

17.026min (+ 0.093) 0.40 ng/u1

response 1364263

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.77
80.00	10.70	8.84
0.00	0.00	0.00

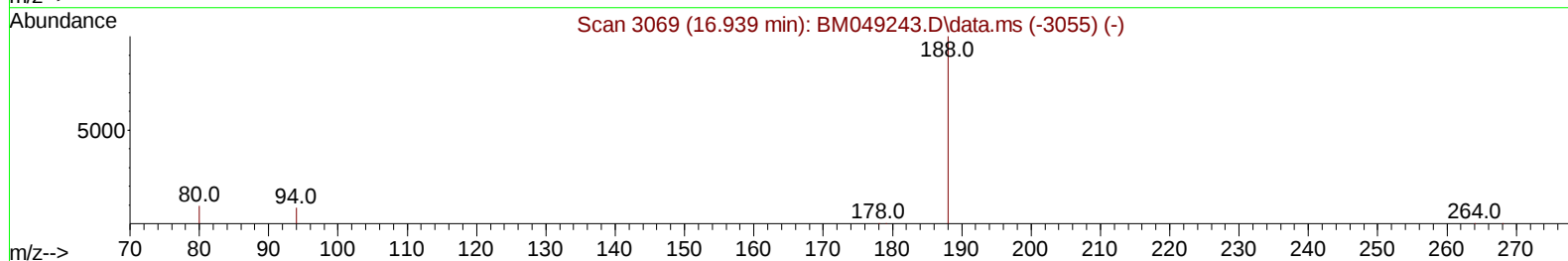
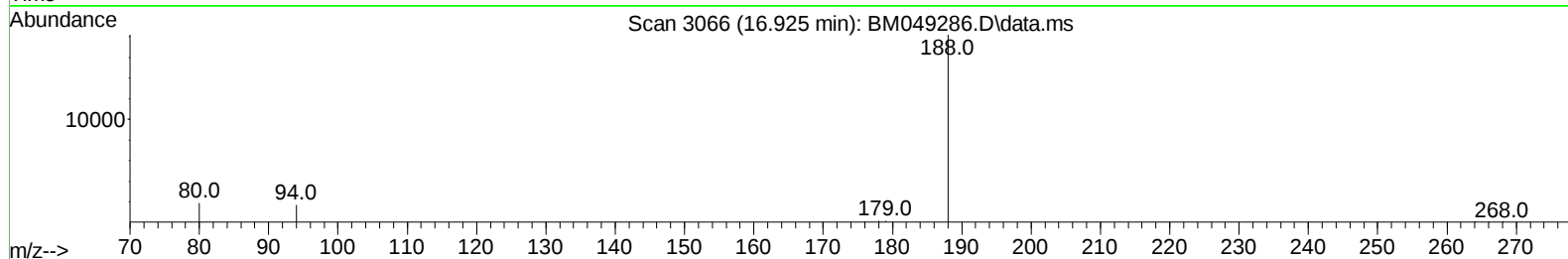
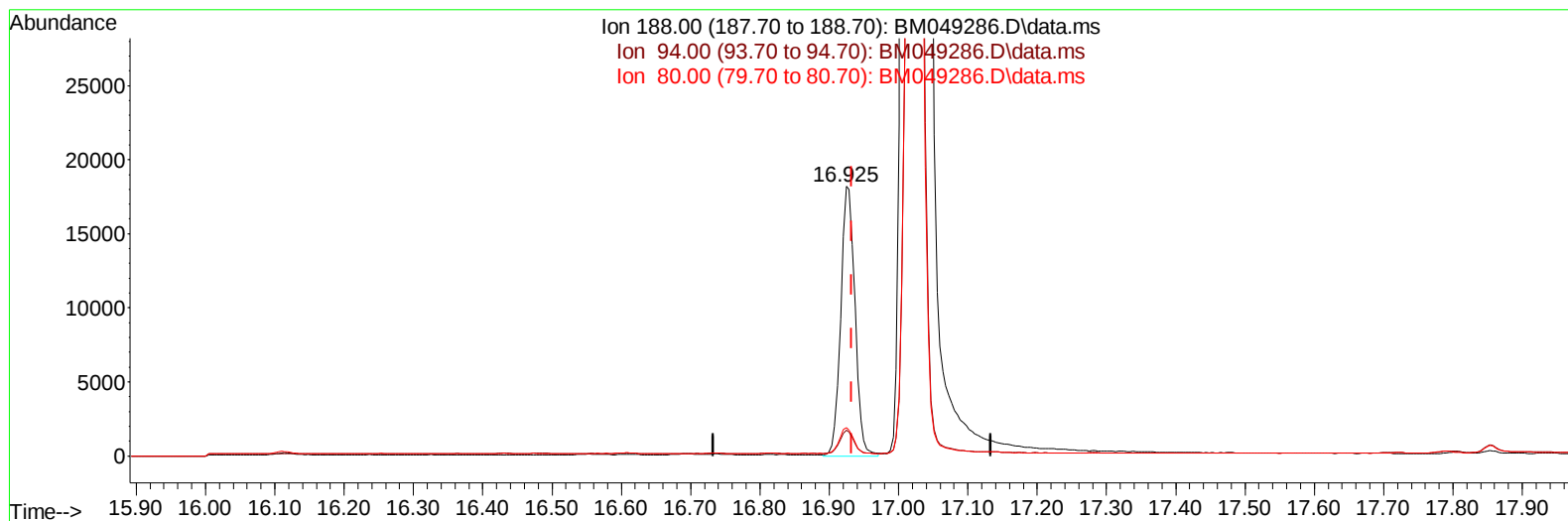
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(13) Phenanthrene-d10 (I)

16.925min (-0.008) 0.40 ng/ul m

response 25948

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.48
80.00	10.70	10.60
0.00	0.00	0.00

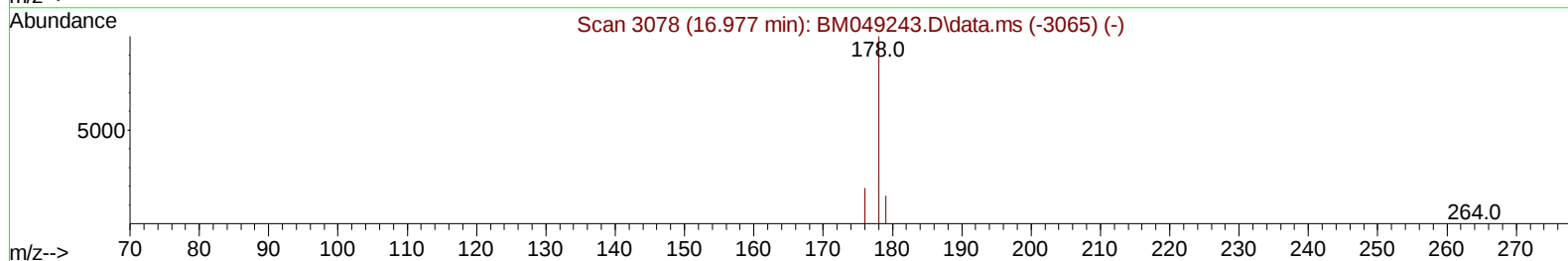
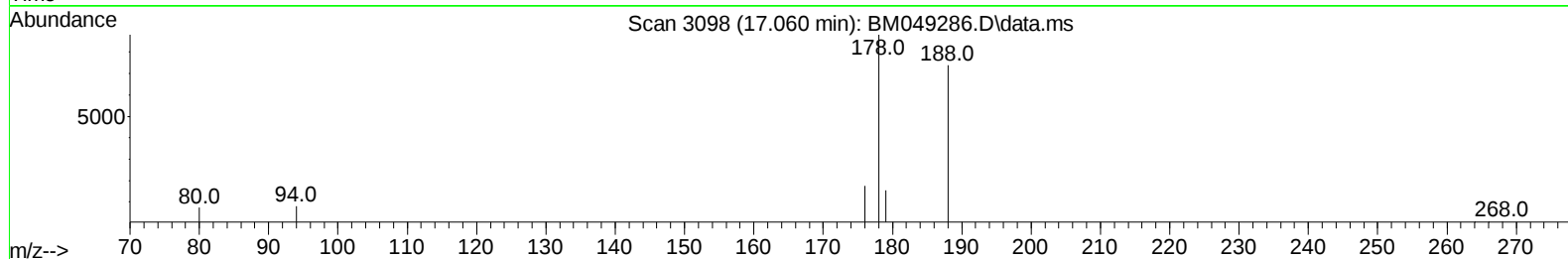
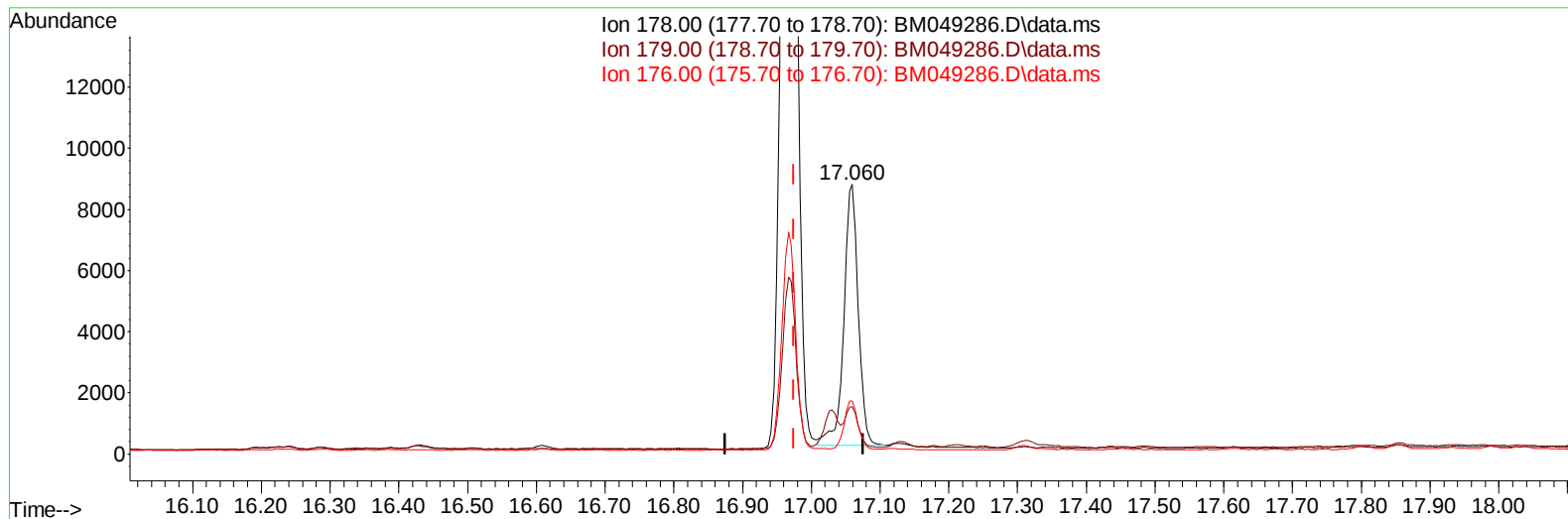
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(15) Phenanthrene

17.060min (+ 0.084) 0.18 ng/u1

response 12419

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.54
176.00	20.20	19.73
0.00	0.00	0.00

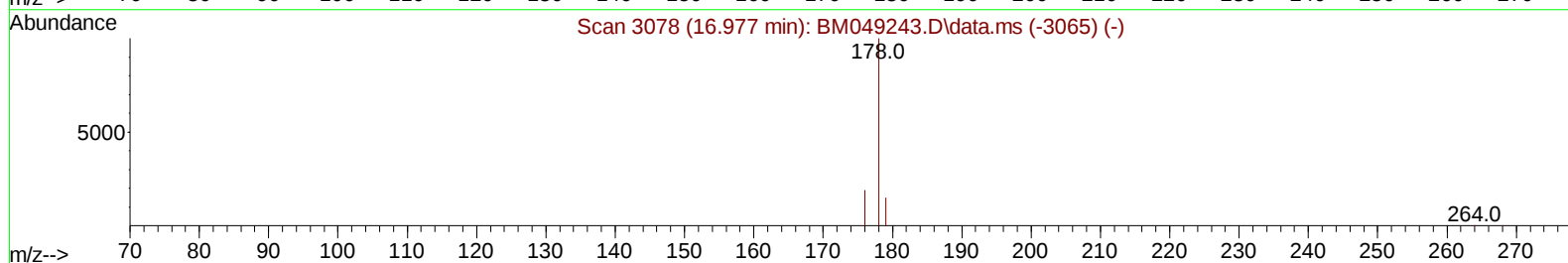
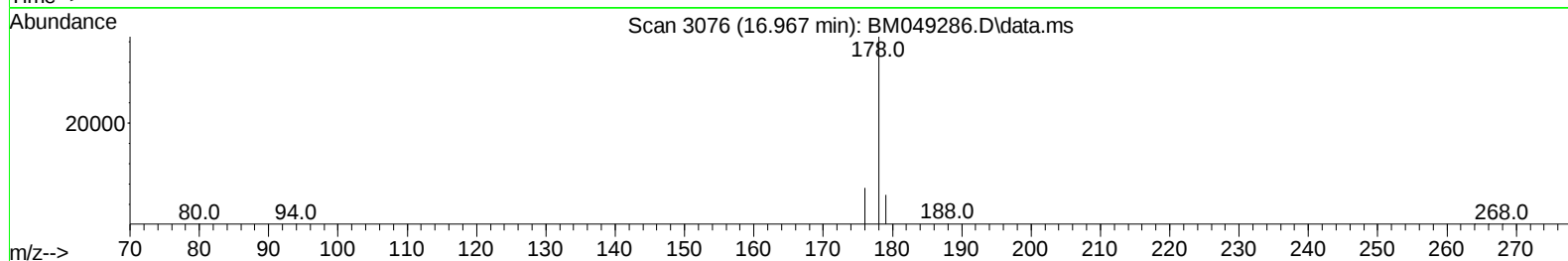
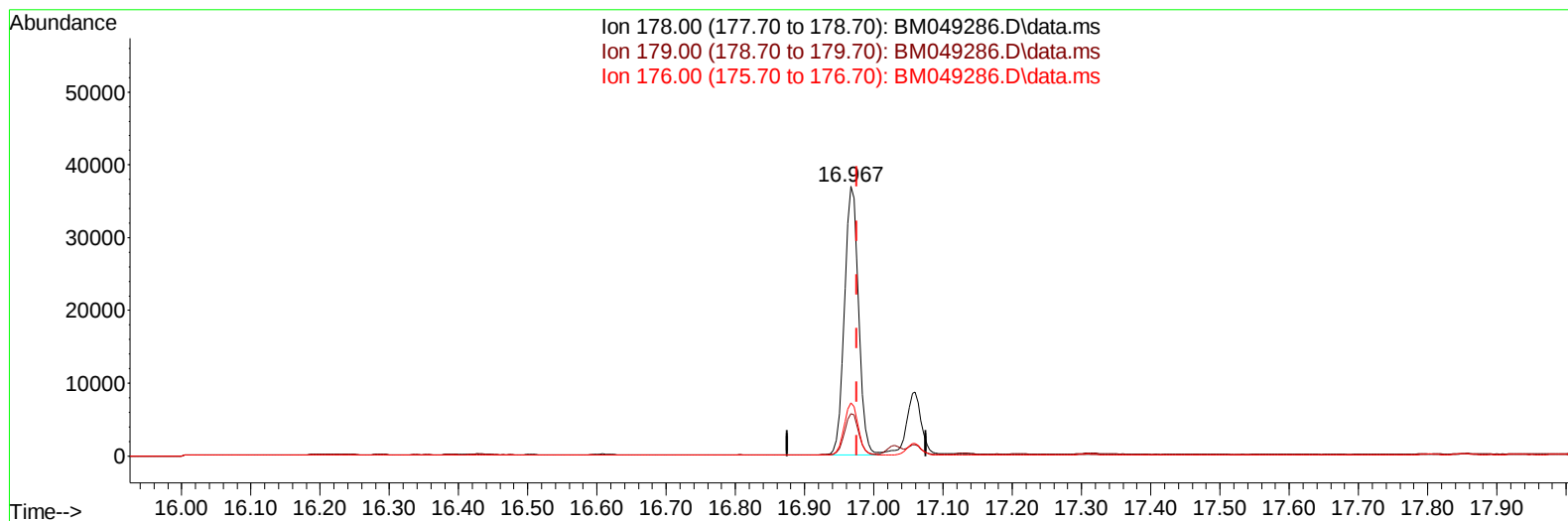
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(15) Phenanthrene

16.967min (-0.008) 0.77 ng/u1 m

response 52400

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.63
176.00	20.20	19.60
0.00	0.00	0.00

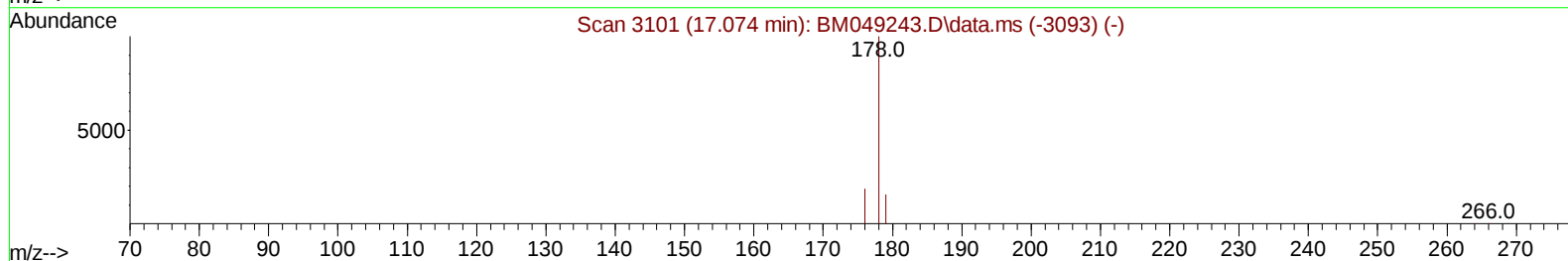
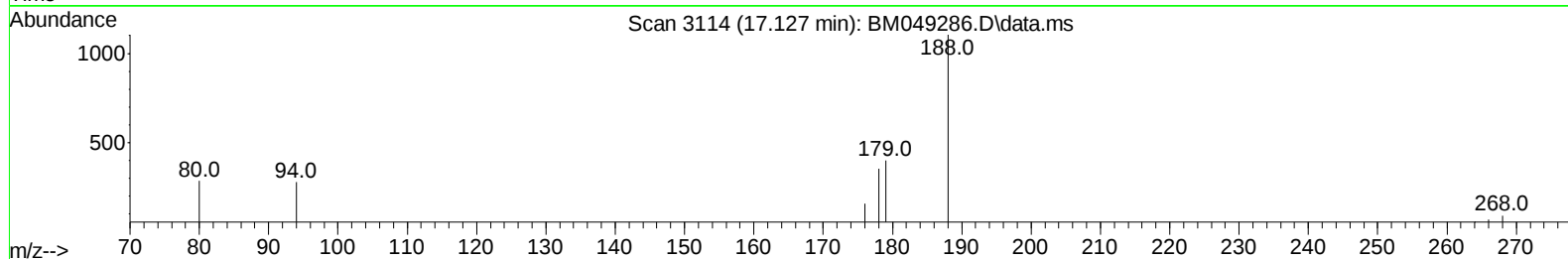
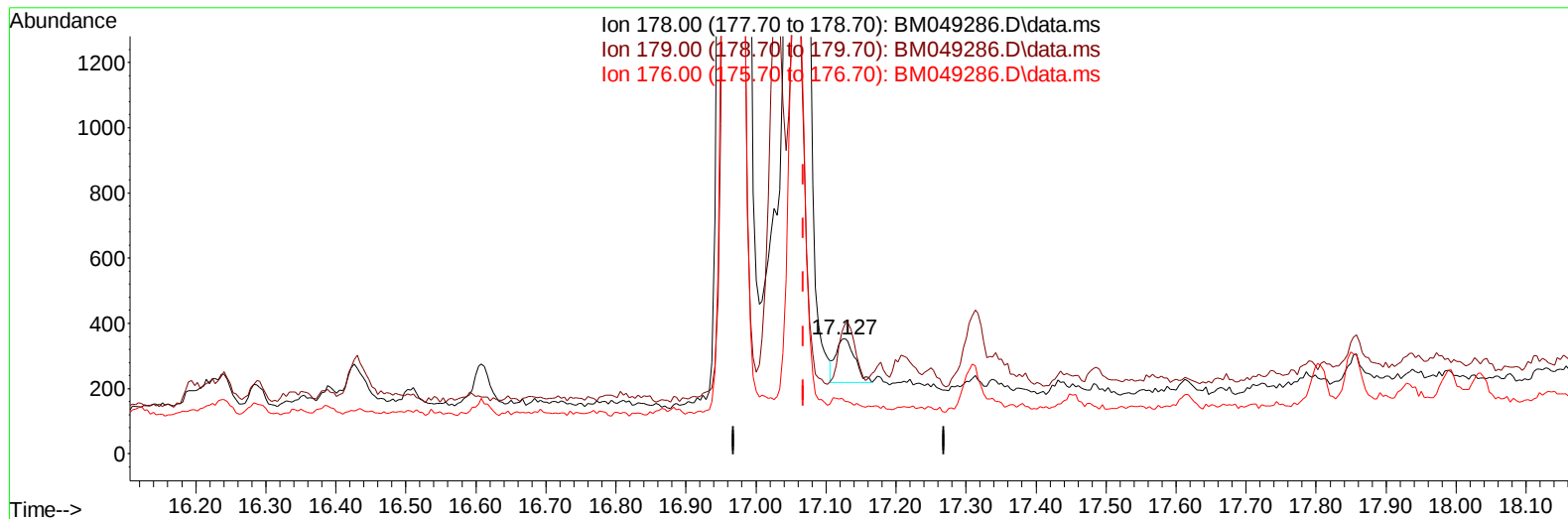
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(16) Anthracene

17.127min (+ 0.059) 0.00 ng/u1

response 251

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	113.03#
176.00	19.10	45.33#
0.00	0.00	0.00

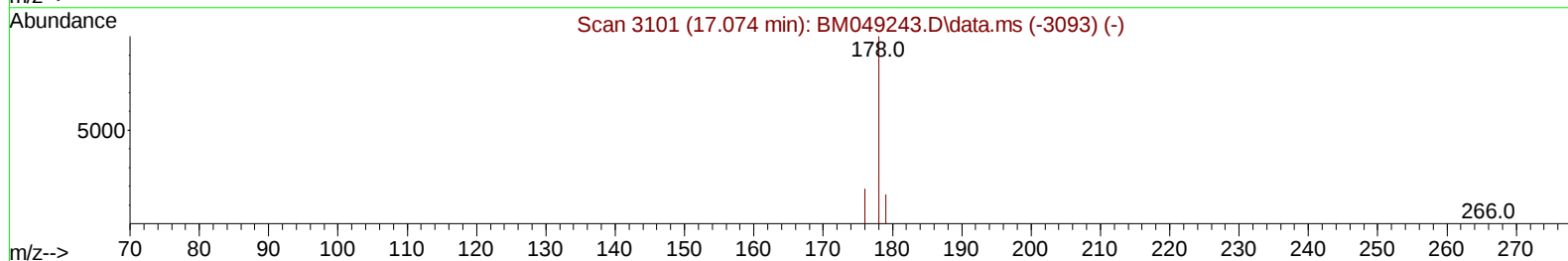
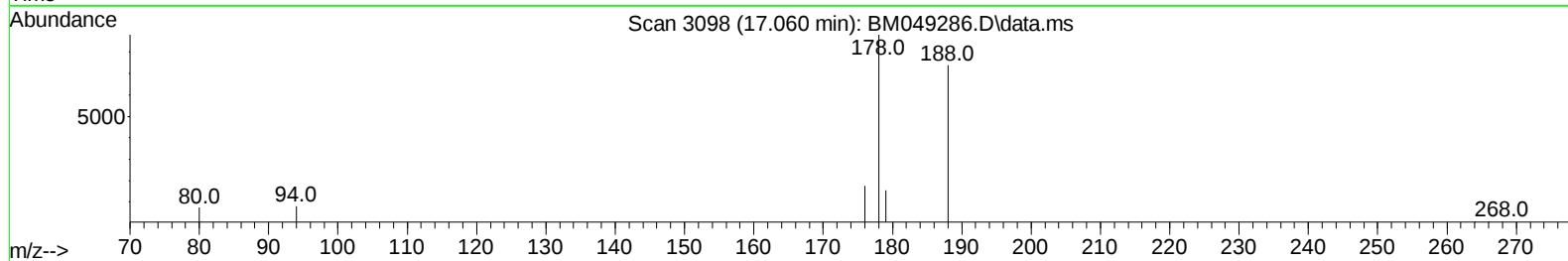
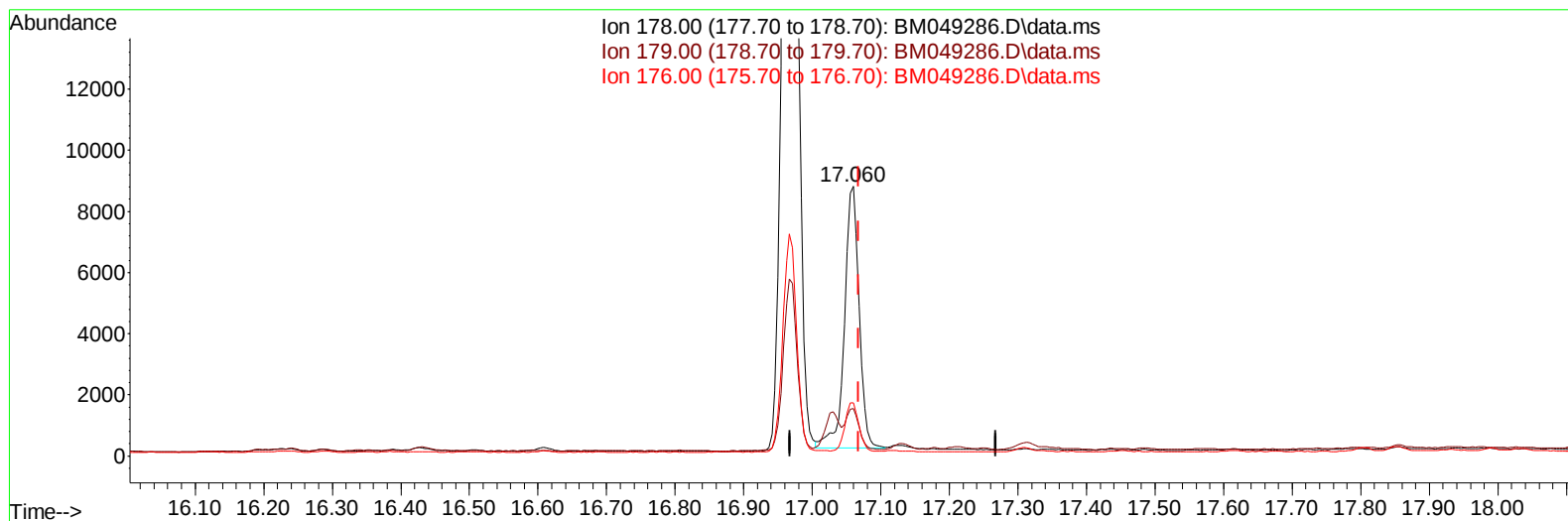
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(16) Anthracene

17.060min (-0.008) 0.20 ng/ul m

response 12571

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	17.54
176.00	19.10	19.73
0.00	0.00	0.00

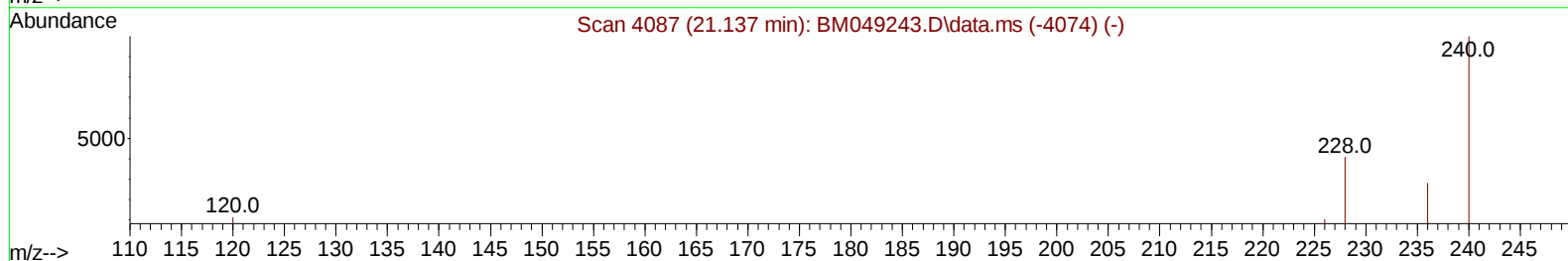
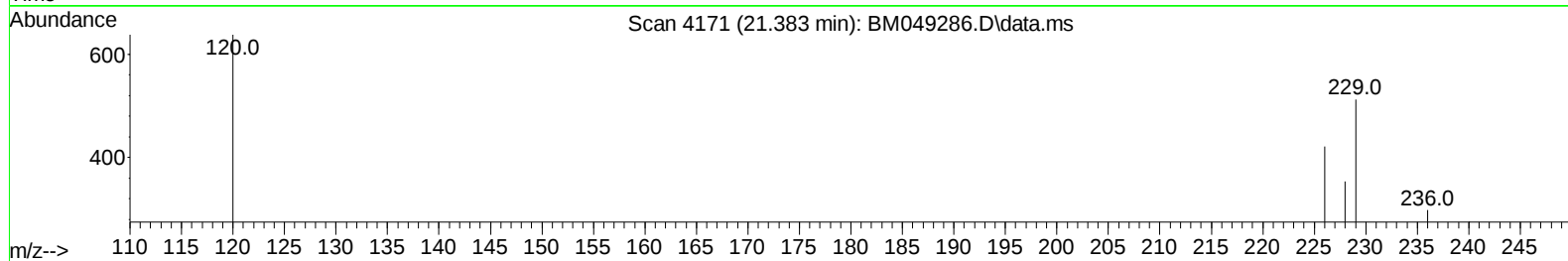
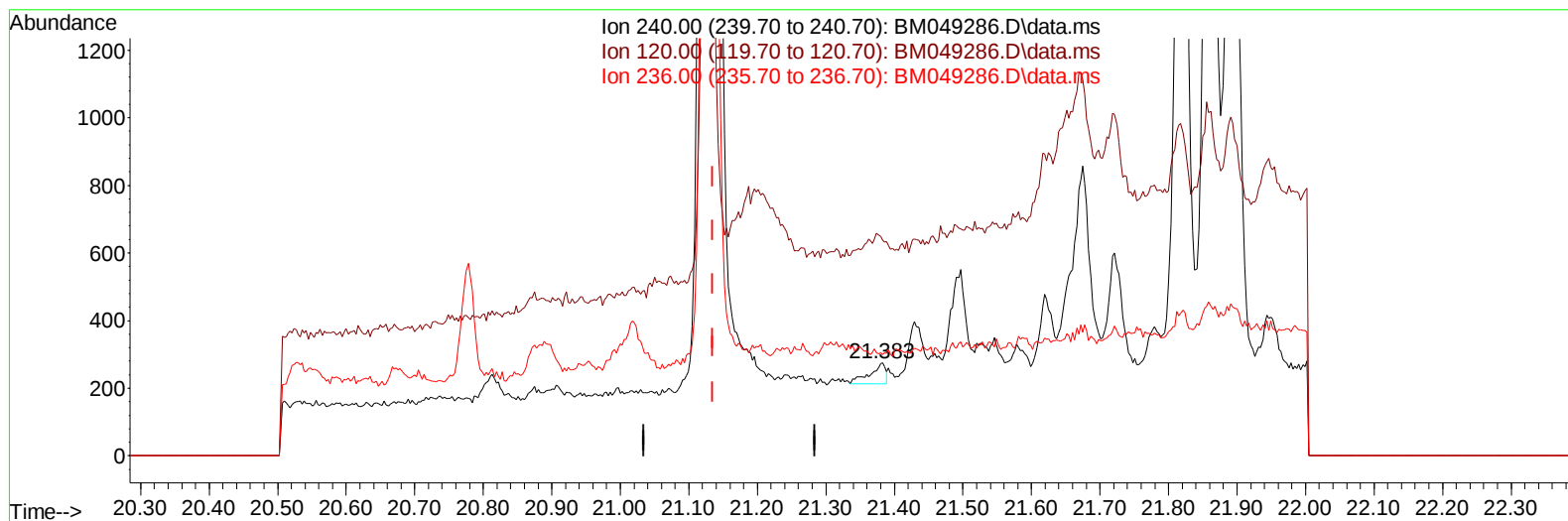
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(17) Chrysene-d12

21.383min (+ 0.248) 0.40 ng/u1

response 97

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	232.00#
236.00	29.80	108.73#
0.00	0.00	0.00

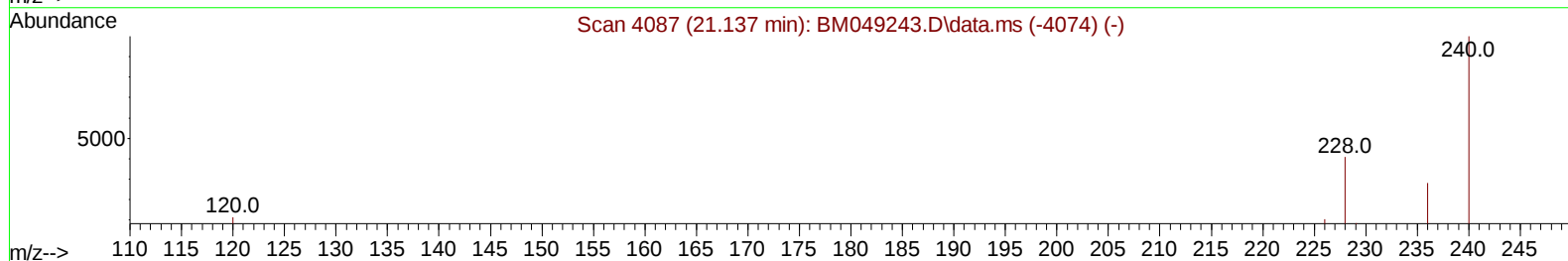
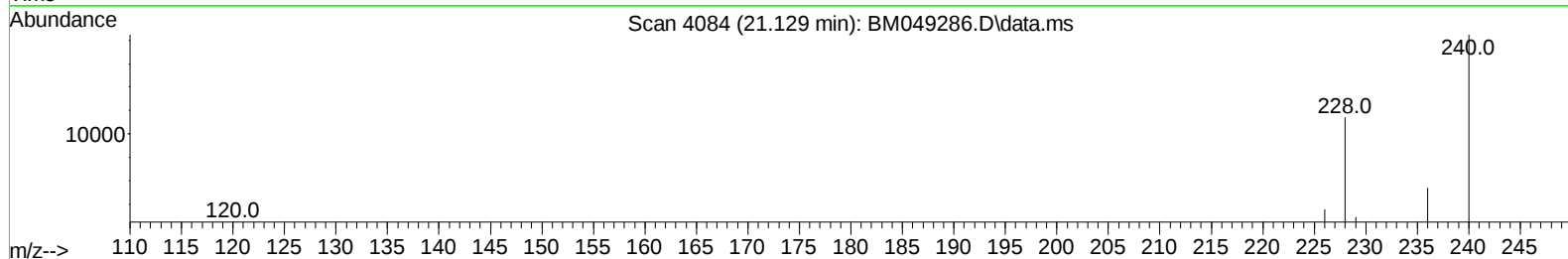
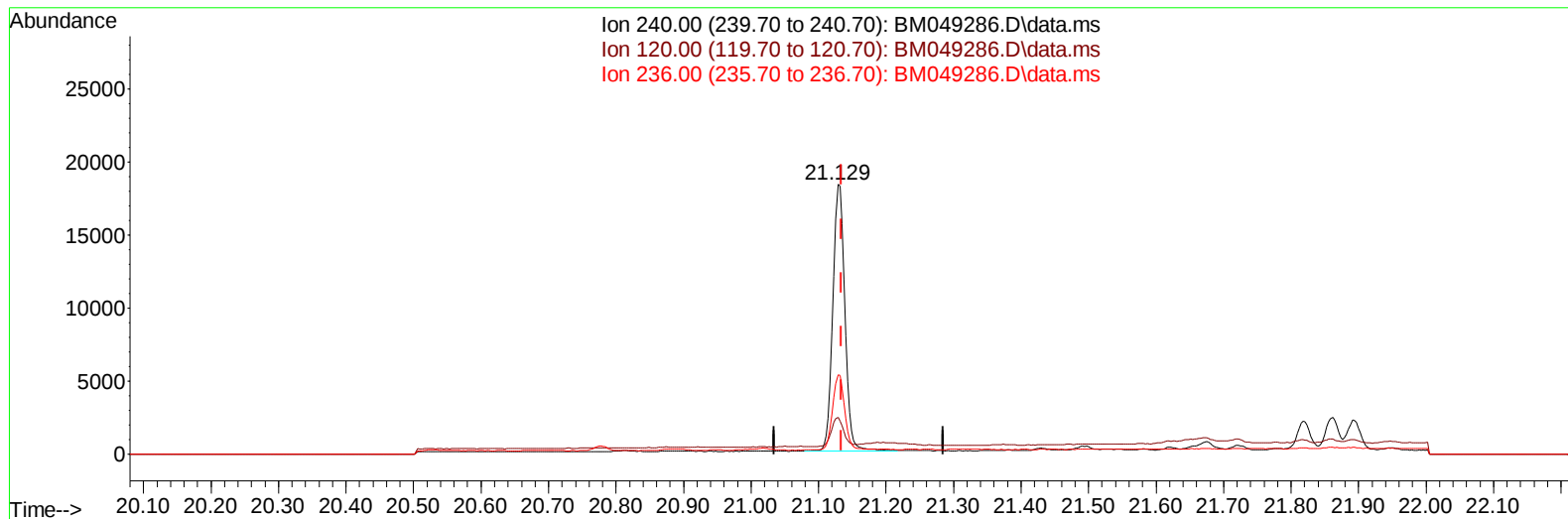
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(17) Chrysene-d12

21.129min (-0.006) 0.40 ng/ul m

response 22713

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.49
236.00	29.80	29.34
0.00	0.00	0.00

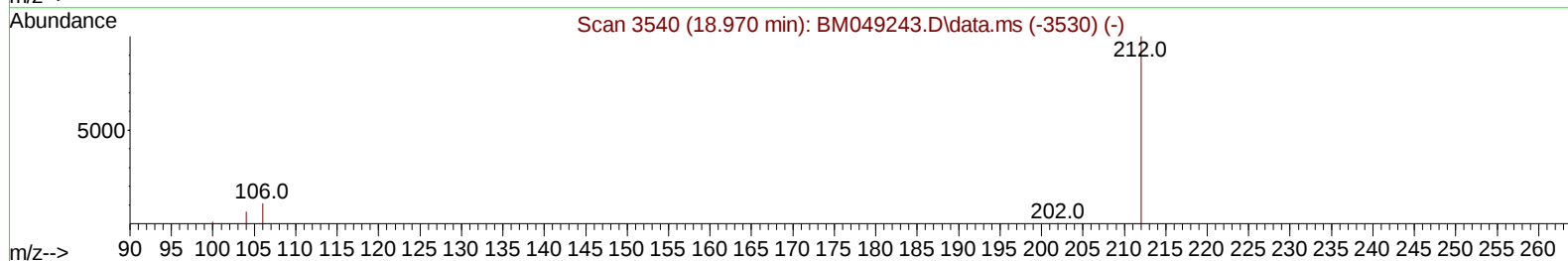
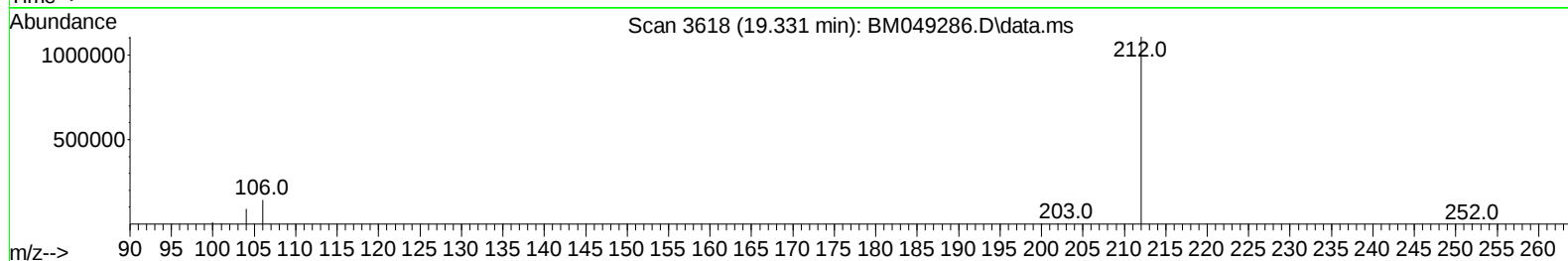
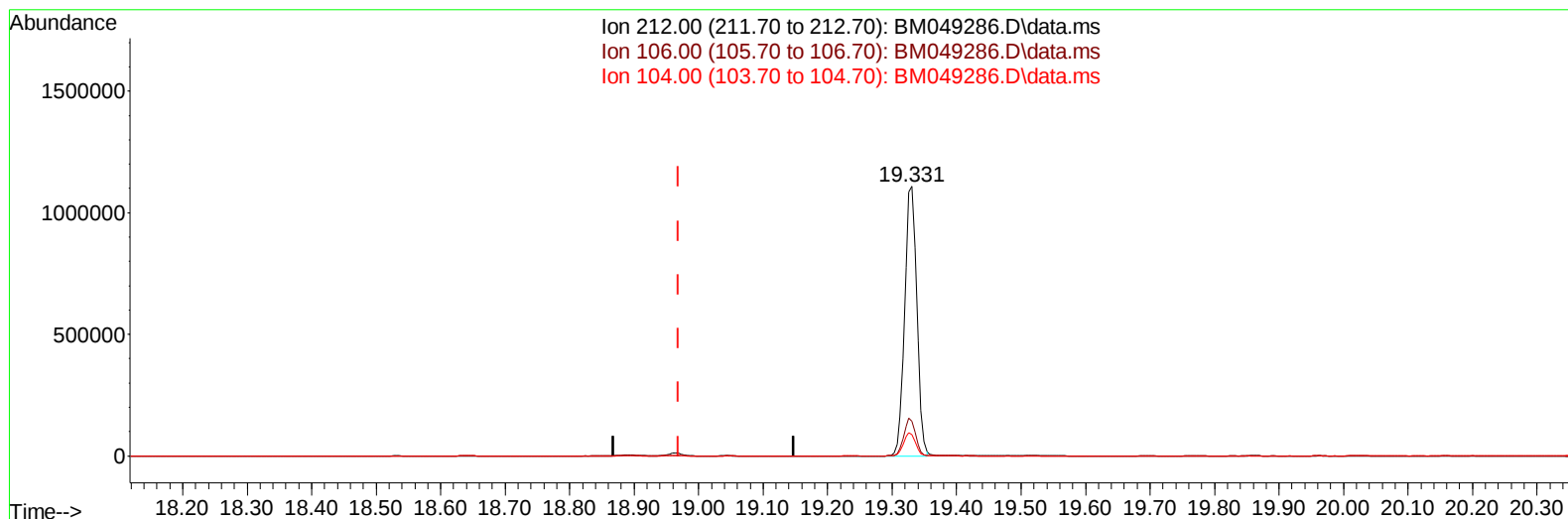
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.331min (+ 0.362) 22.43 ng/u1

response 1445136

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	13.48
104.00	6.50	8.50#
0.00	0.00	0.00

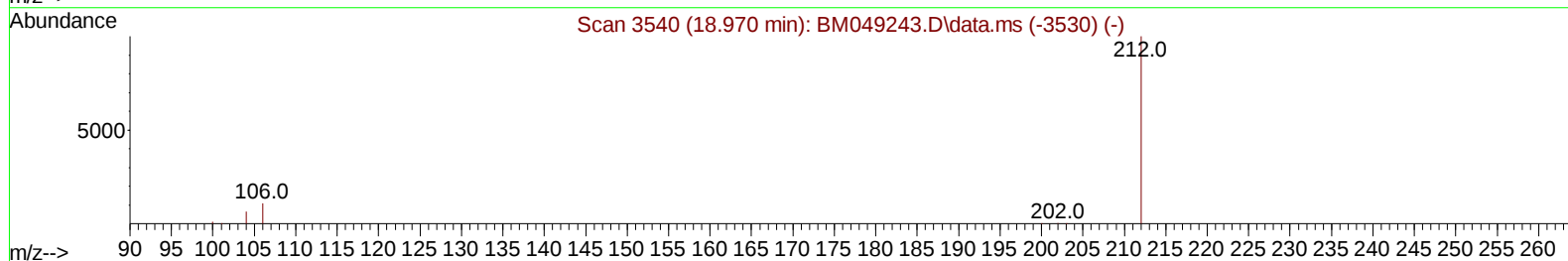
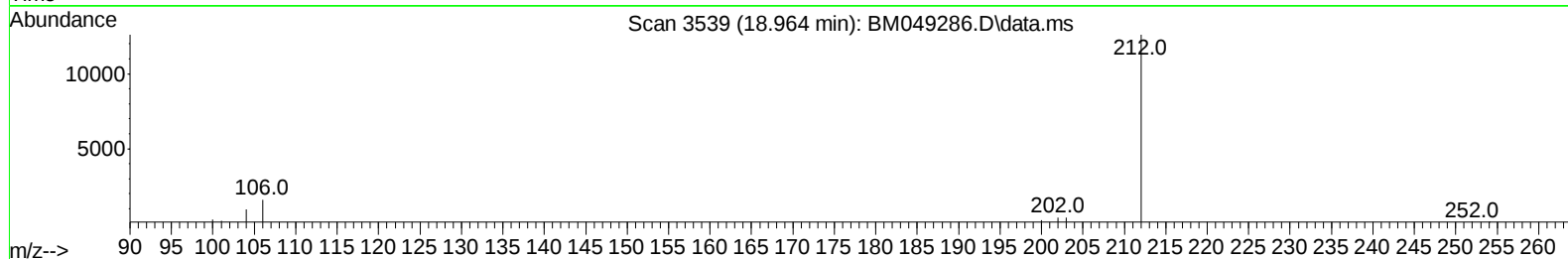
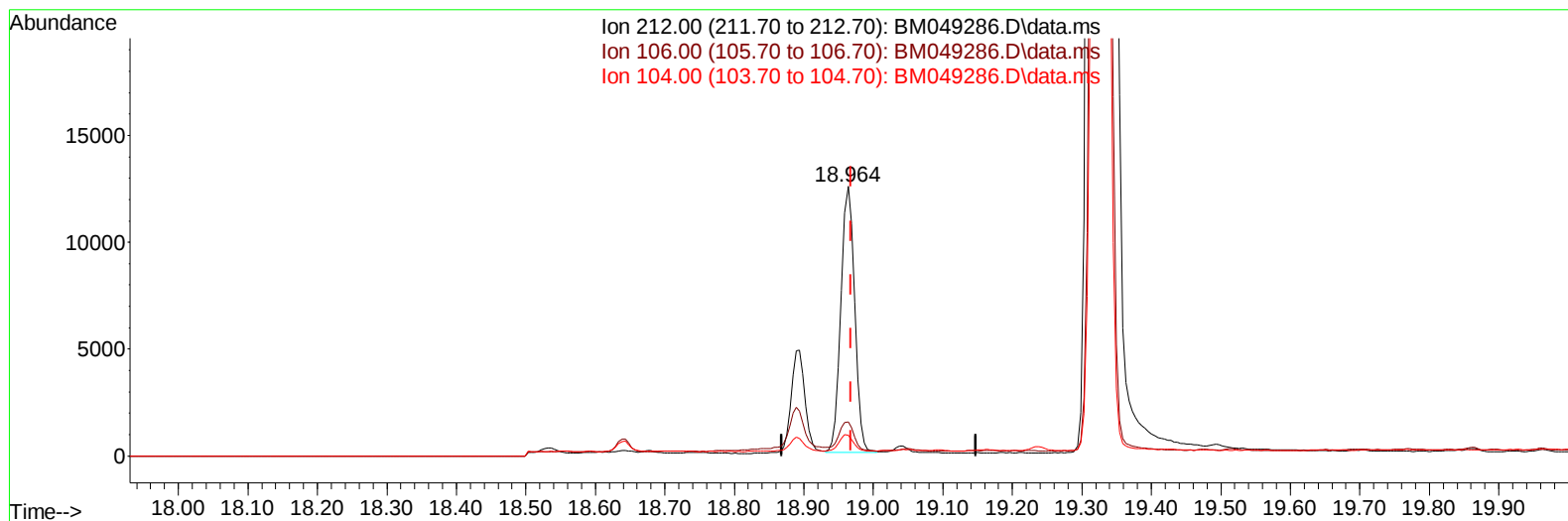
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.964min (-0.005) 0.26 ng/u1 m

response 16916

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	1151.89#
104.00	6.50	725.83#
0.00	0.00	0.00

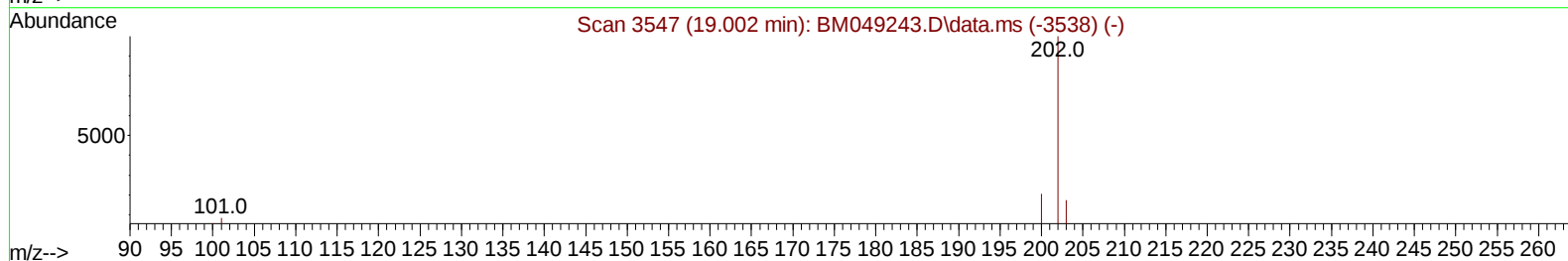
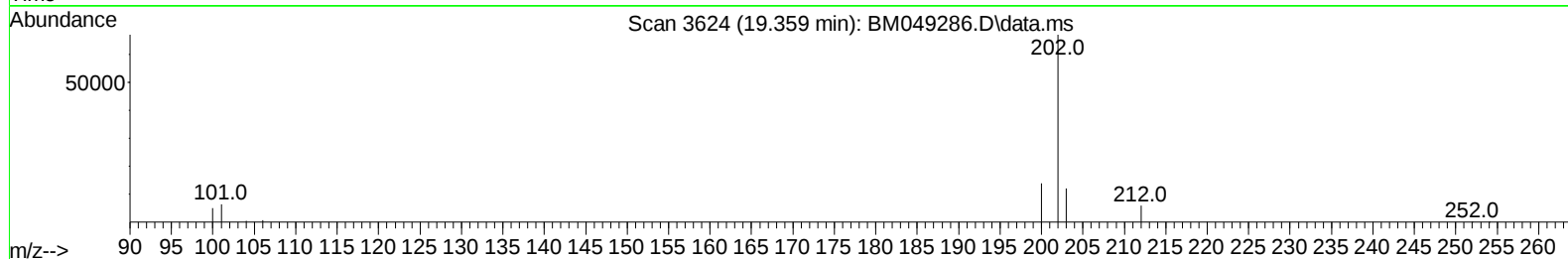
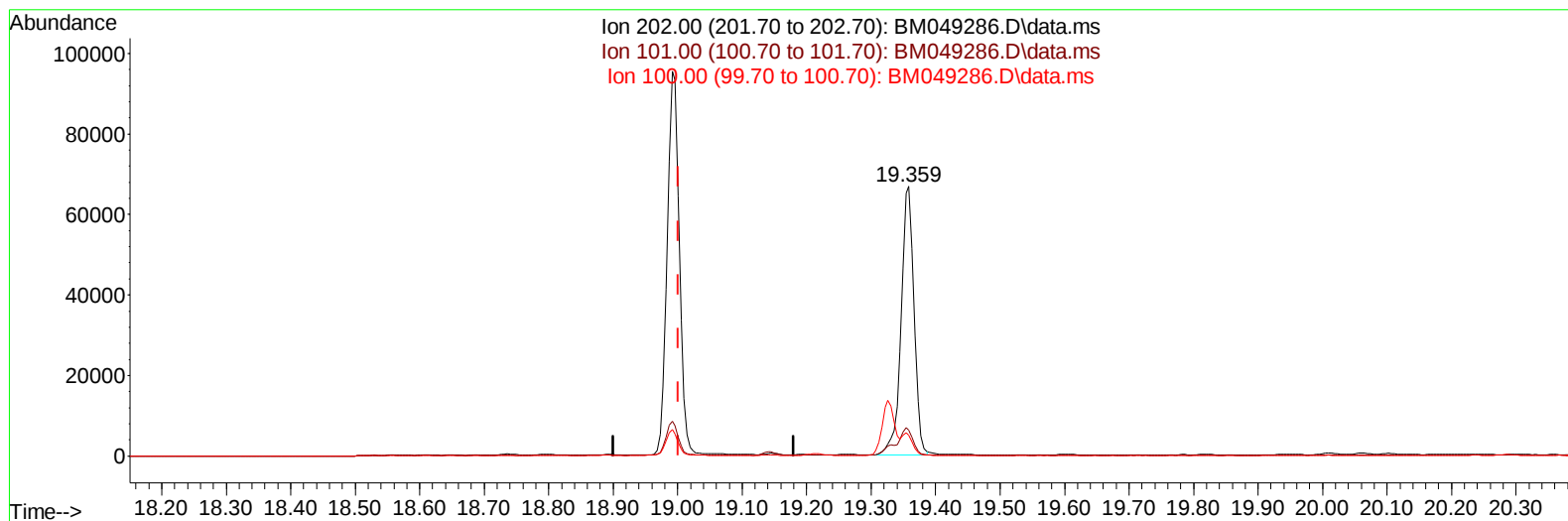
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(19) Fluoranthene (C)

19.359min (+ 0.358) 1.13 ng/u1

response 92615

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	9.62
100.00	6.90	7.67
0.00	0.00	0.00

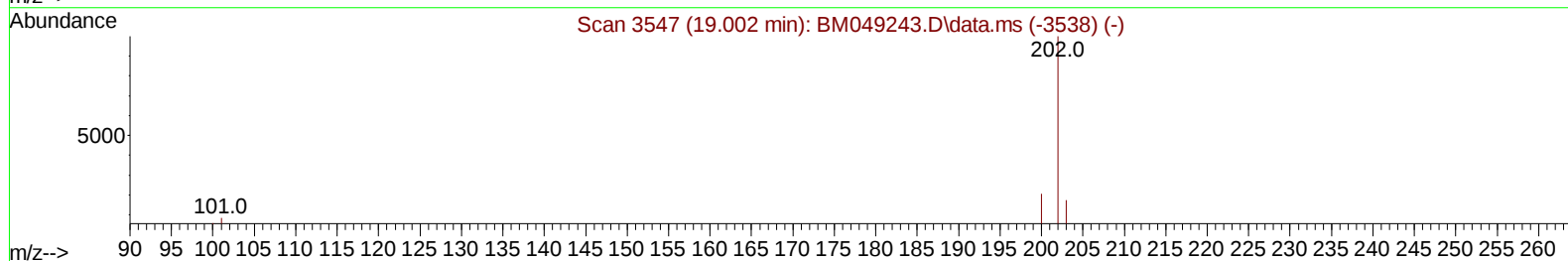
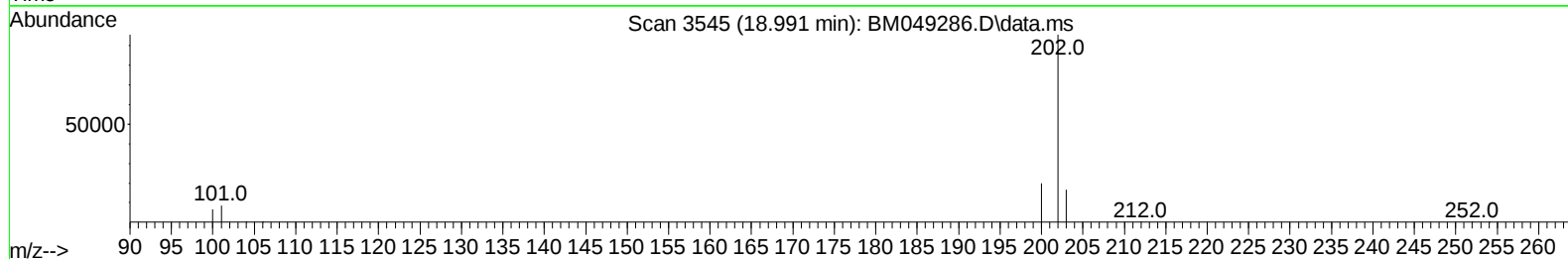
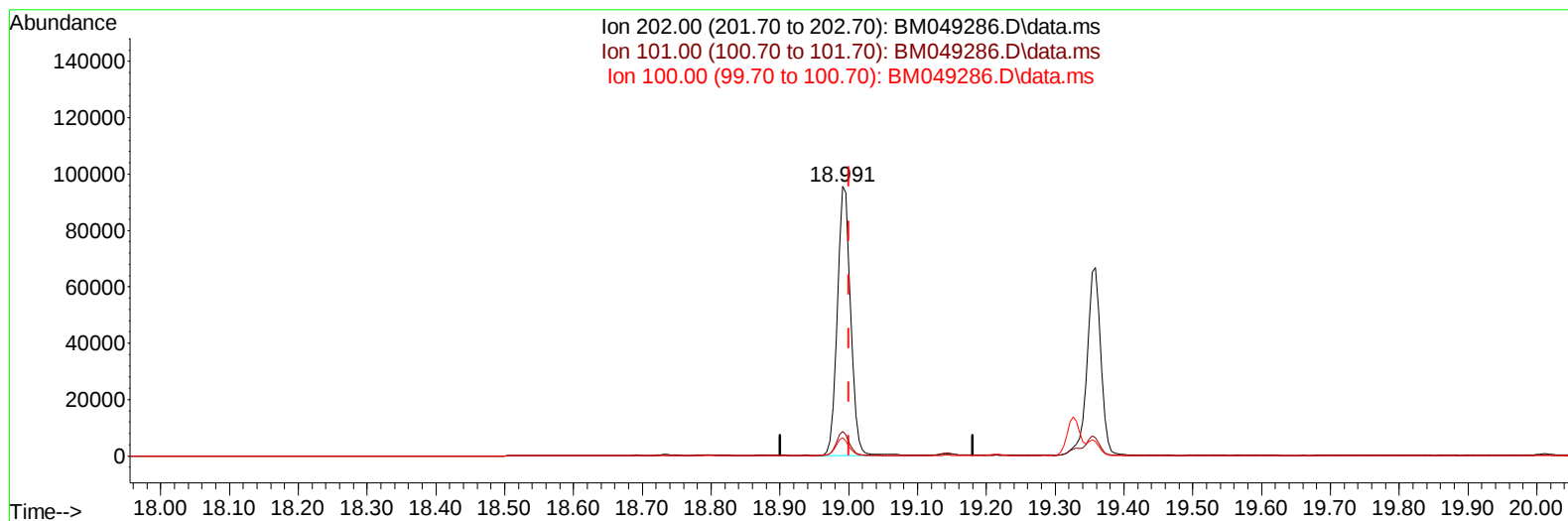
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(19) Fluoranthene (C)

18.991min (-0.009) 1.53 ng/ul m

response 125329

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	9.01
100.00	6.90	6.85
0.00	0.00	0.00

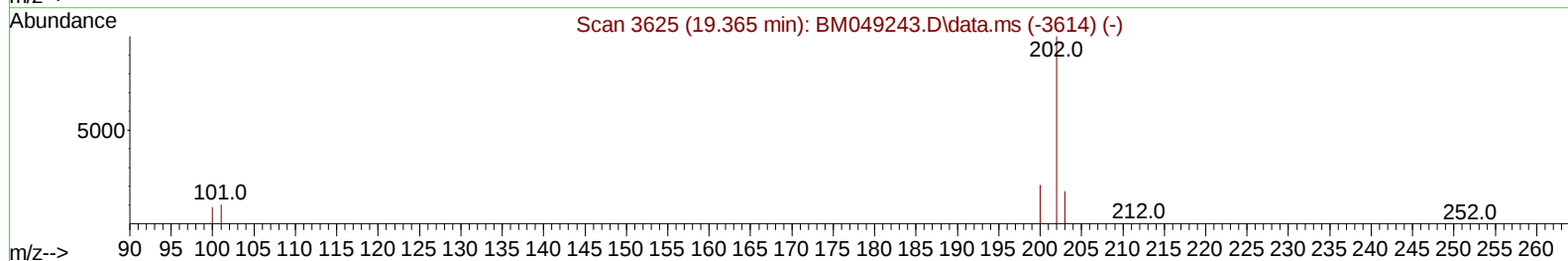
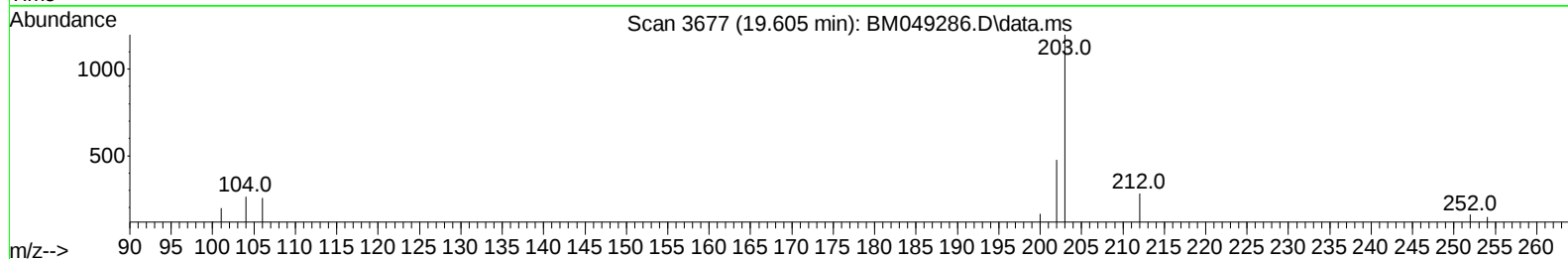
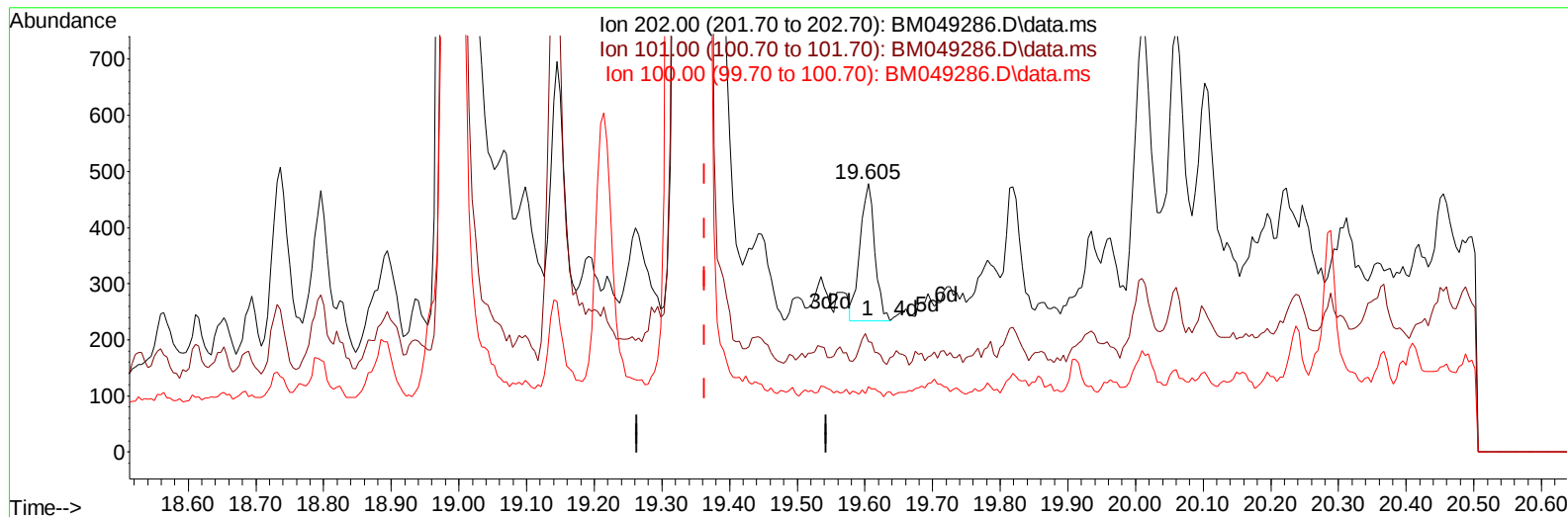
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(20) Pyrene

19.605min (+ 0.242) 0.00 ng/u1

response 372

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	41.21#
100.00	8.60	24.48#
0.00	0.00	0.00

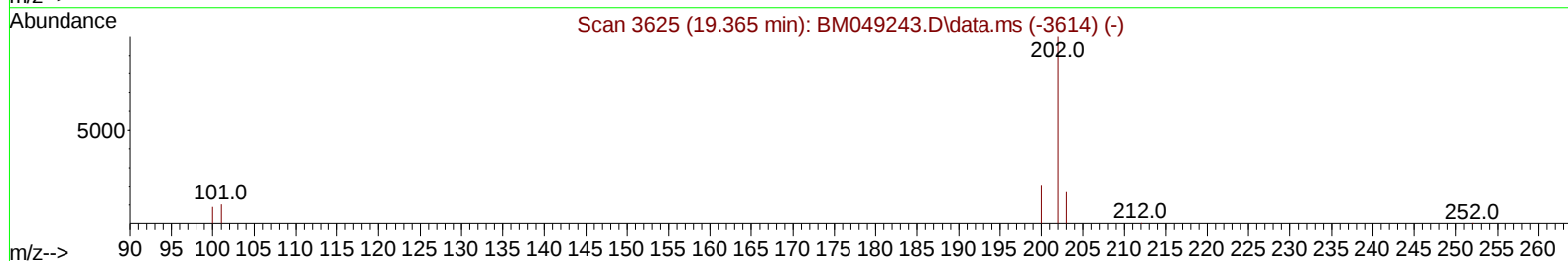
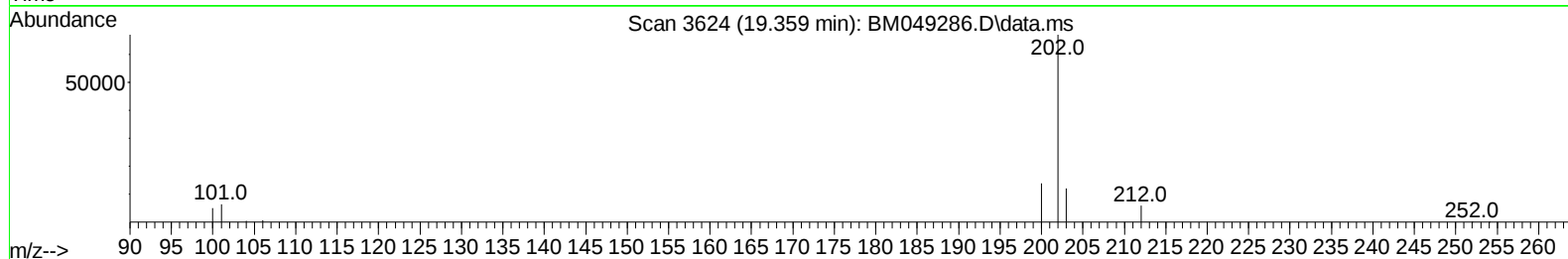
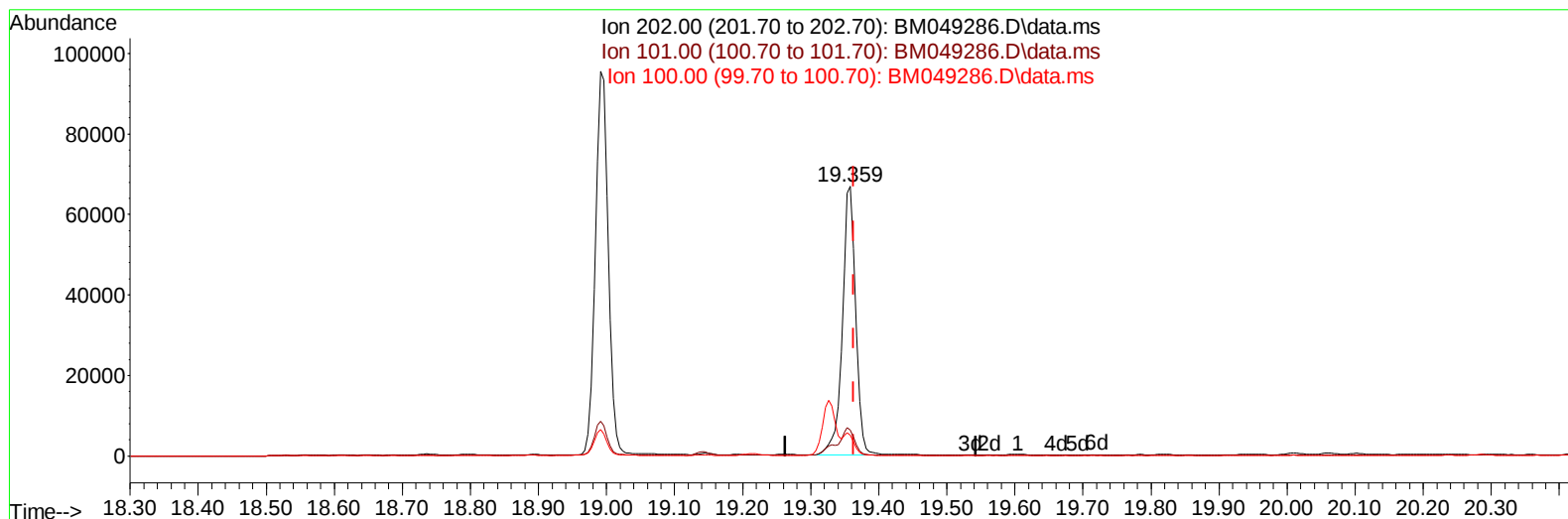
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(20) Pyrene

19.359min (-0.005) 1.06 ng/u1 m

response 93194

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	9.62
100.00	8.60	7.67
0.00	0.00	0.00

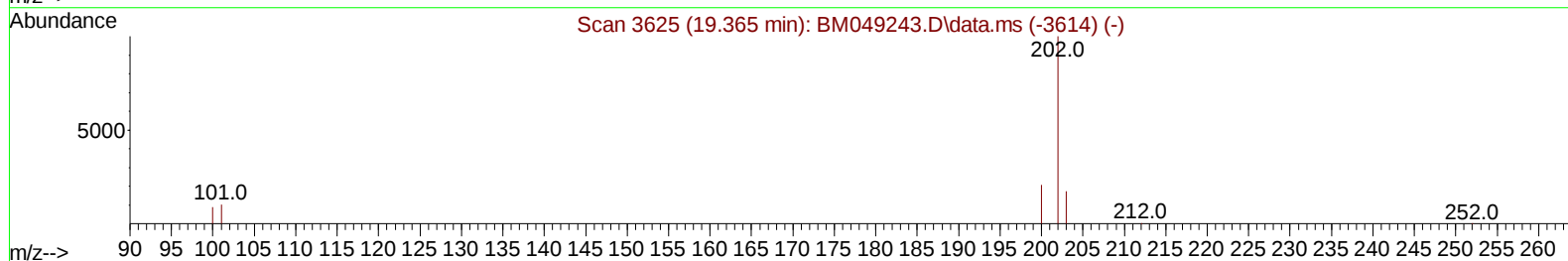
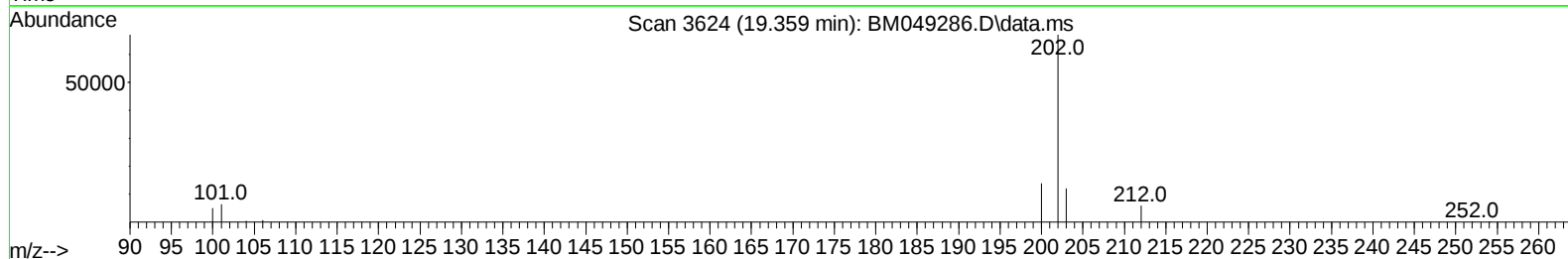
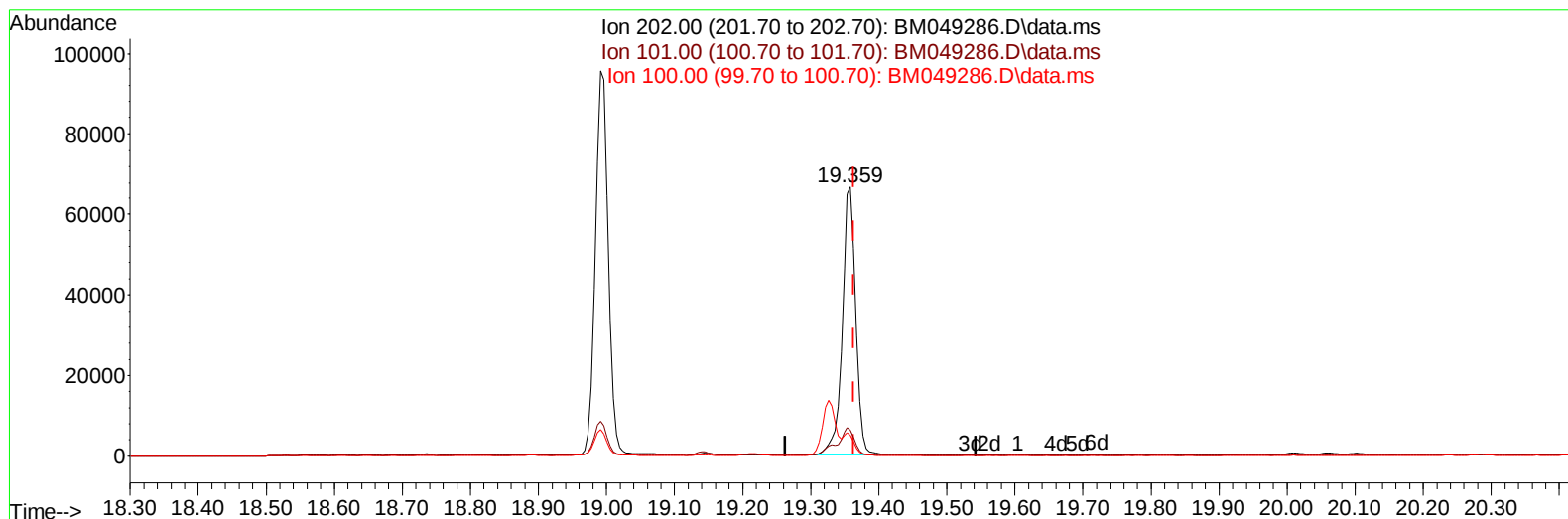
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(20) Pyrene

19.359min (-0.005) 1.06 ng/u1 m

response 93194

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	9.62
100.00	8.60	7.67
0.00	0.00	0.00

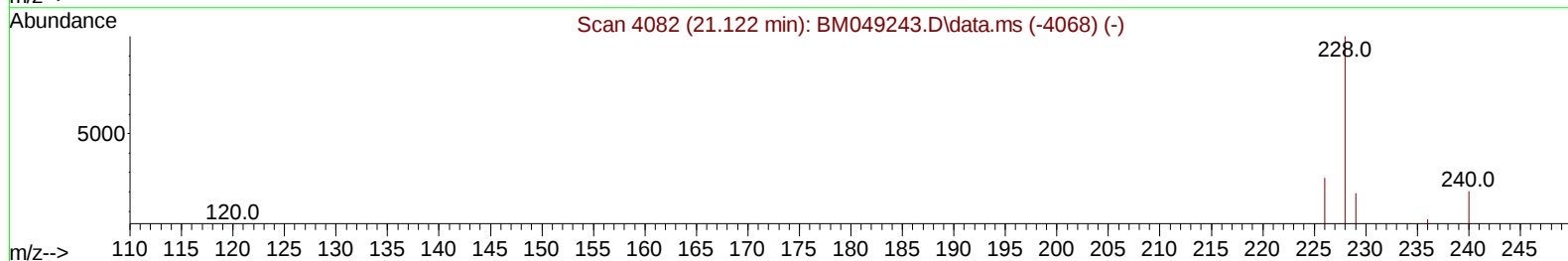
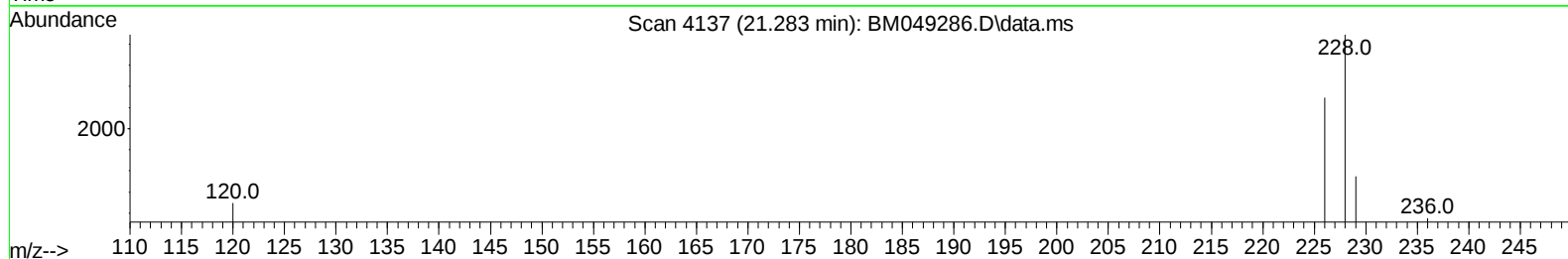
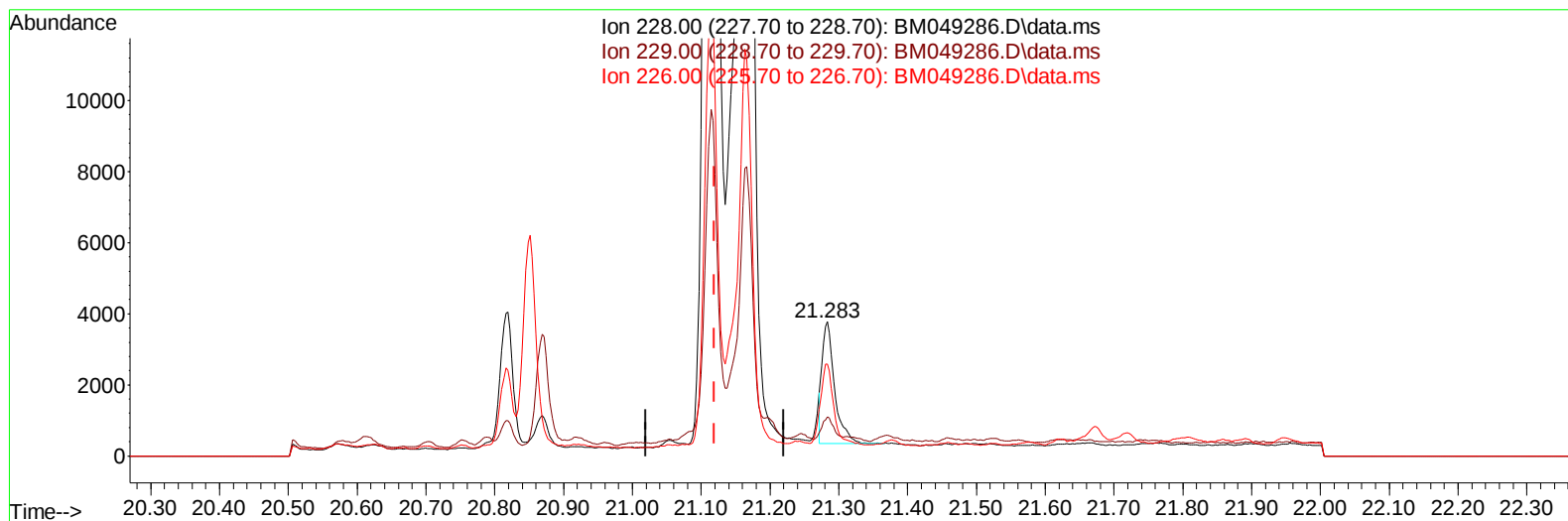
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(21) Benzo(a)anthracene

21.283min (+ 0.164) 0.05 ng/u1

response 4318

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	28.94#
226.00	28.30	68.44#
0.00	0.00	0.00

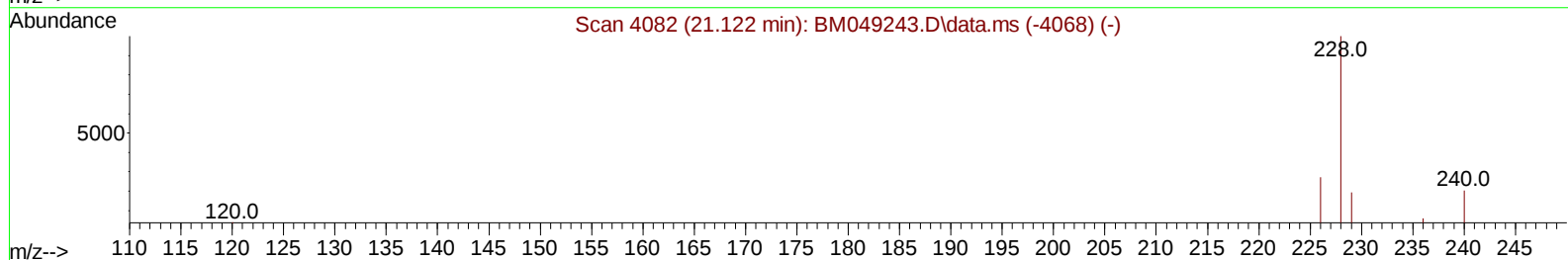
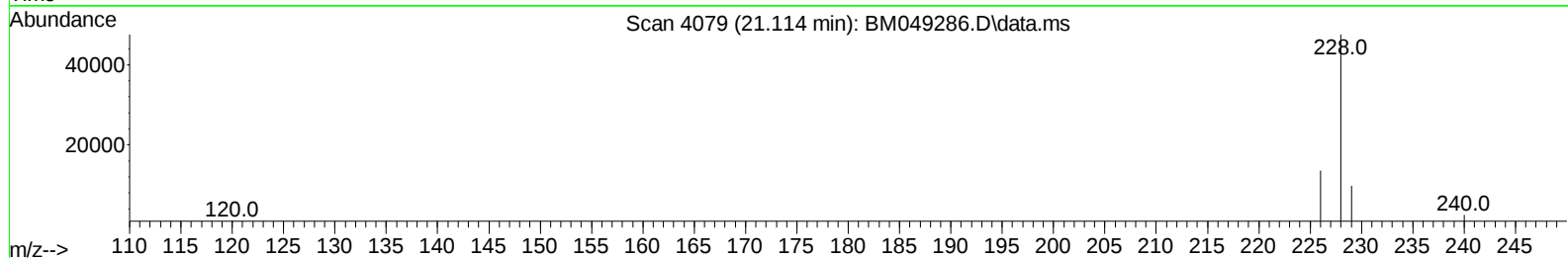
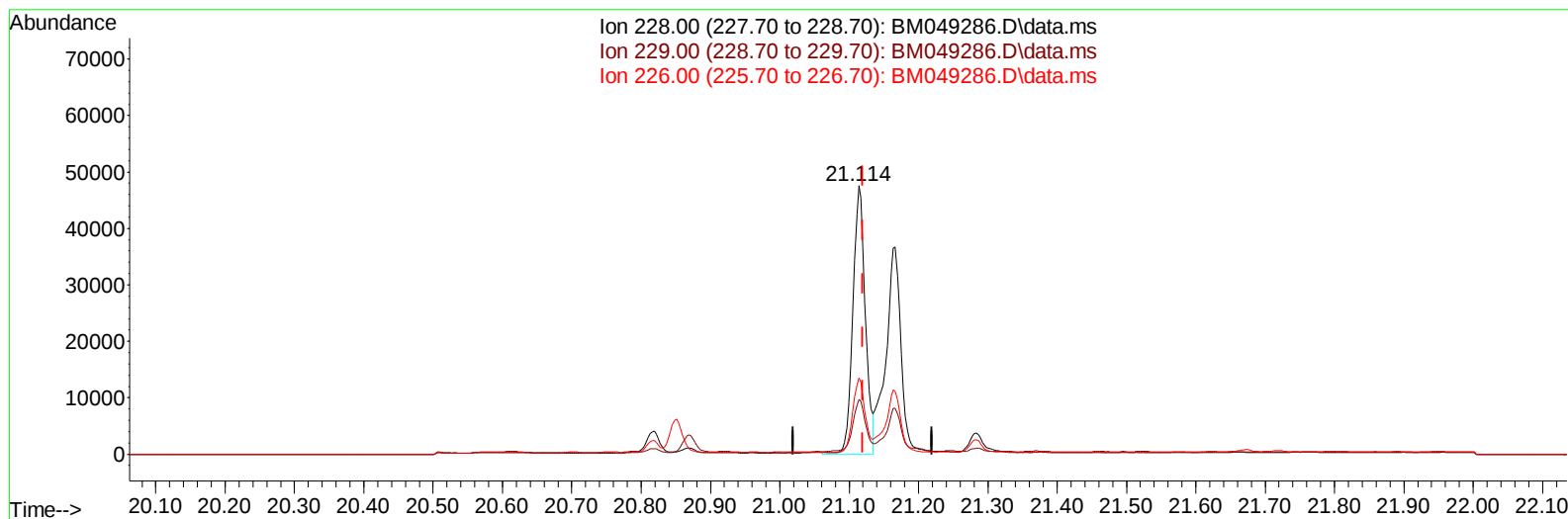
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration



TIC: BM049286.D\data.ms

(21) Benzo(a)anthracene

21.114min (-0.006) 0.75 ng/u1 m

response 59364

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	20.50
226.00	28.30	28.45
0.00	0.00	0.00

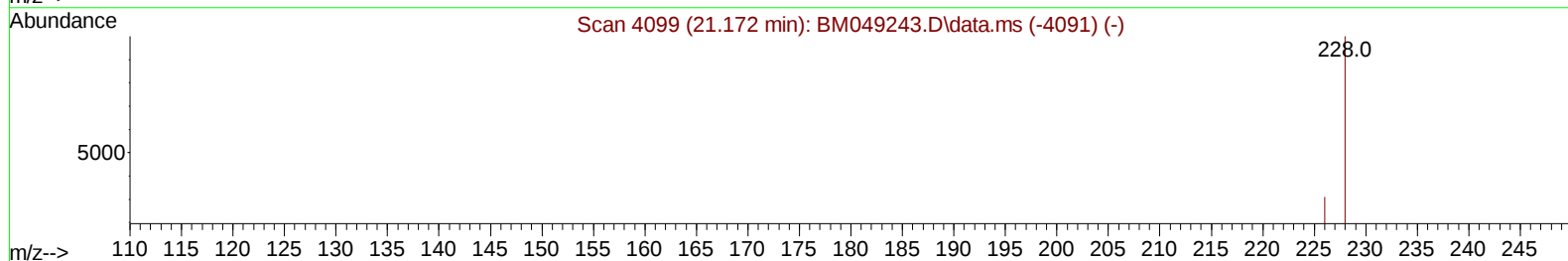
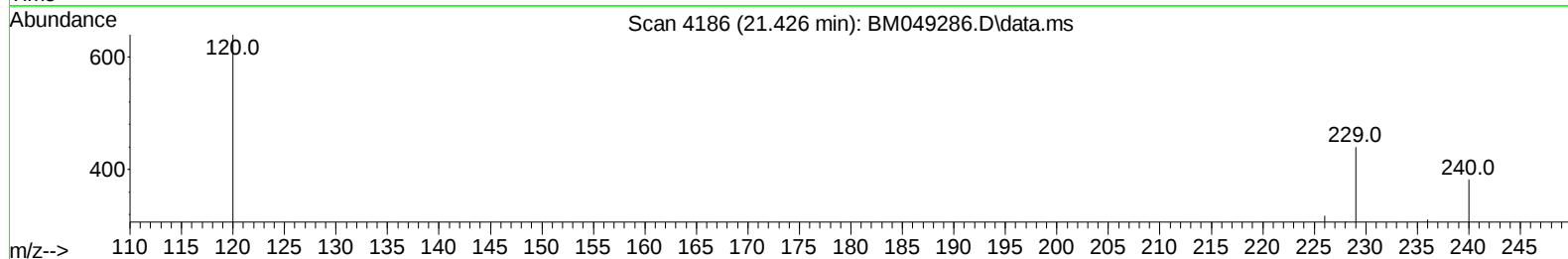
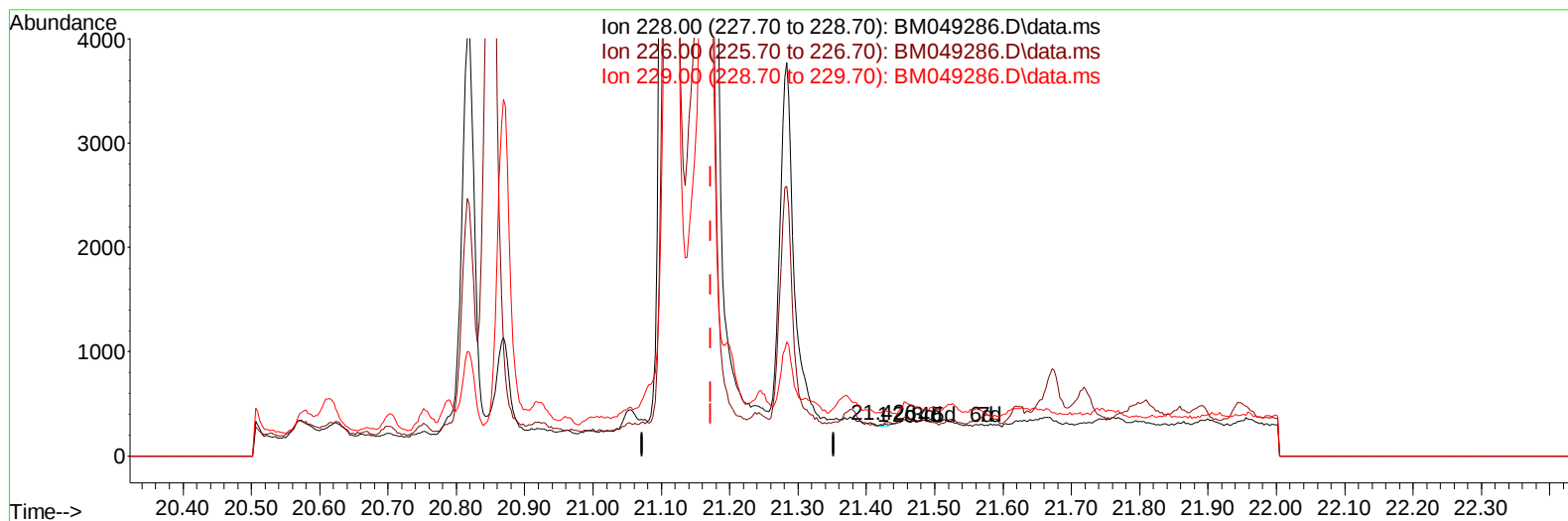
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(22) Chrysene

21.426min (+ 0.254) 0.00 ng/u1

response 15

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	103.58#
229.00	19.80	143.32#
0.00	0.00	0.00

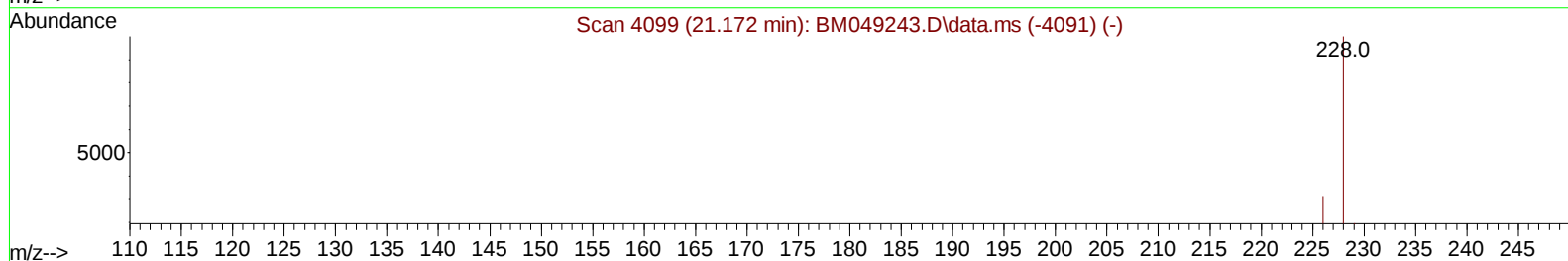
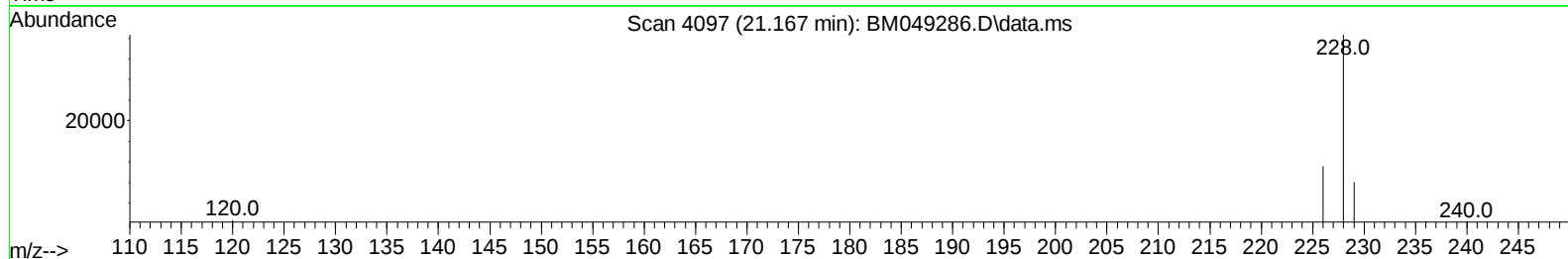
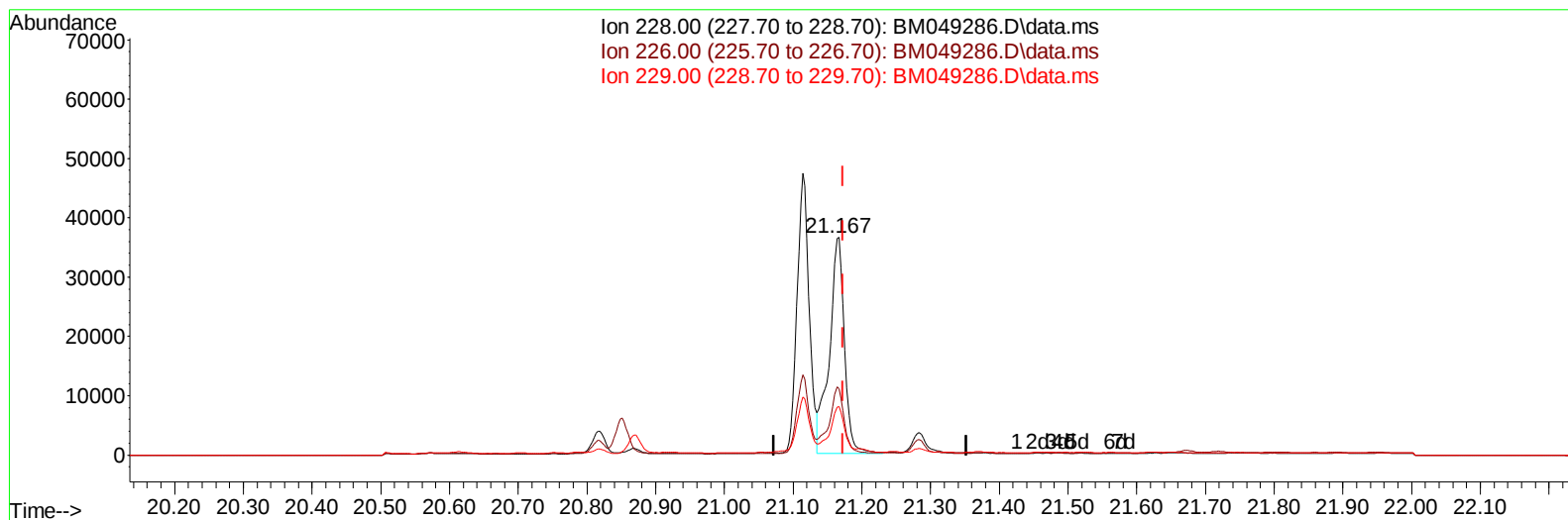
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration



TIC: BM049286.D\data.ms

(22) Chrysene

21.167min (-0.006) 0.66 ng/u1 m

response 55564

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	30.43
229.00	19.80	22.18
0.00	0.00	0.00

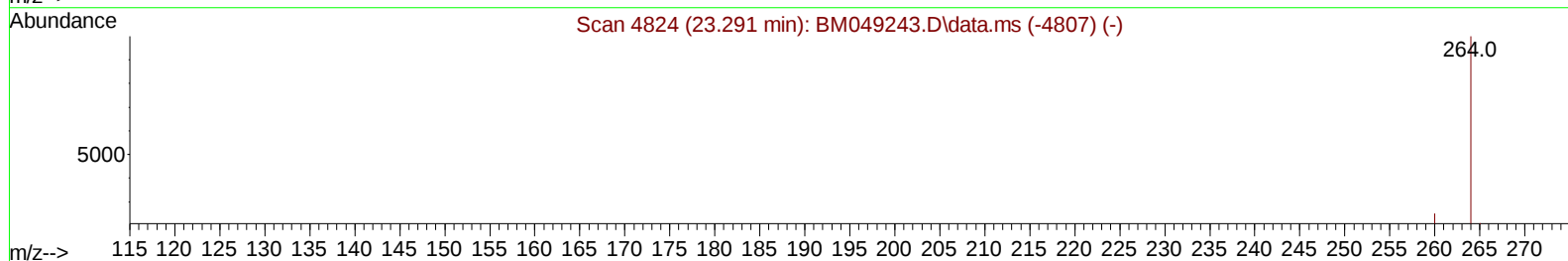
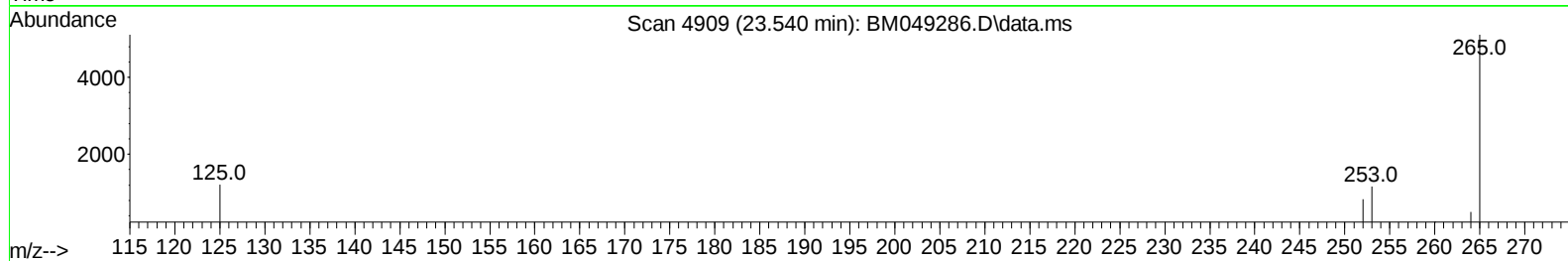
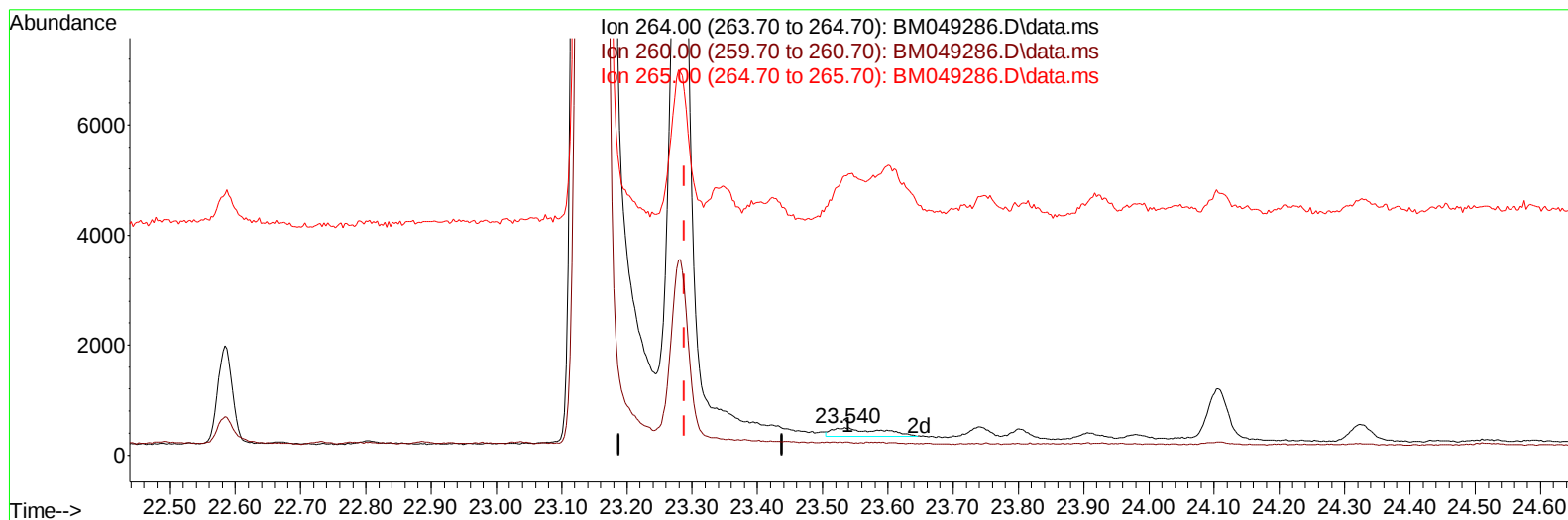
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(23) Perylene-d12 (I)

23.540min (+ 0.251) 0.40 ng/u1

response 823

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	46.49#
265.00	78.30	1024.45#
0.00	0.00	0.00

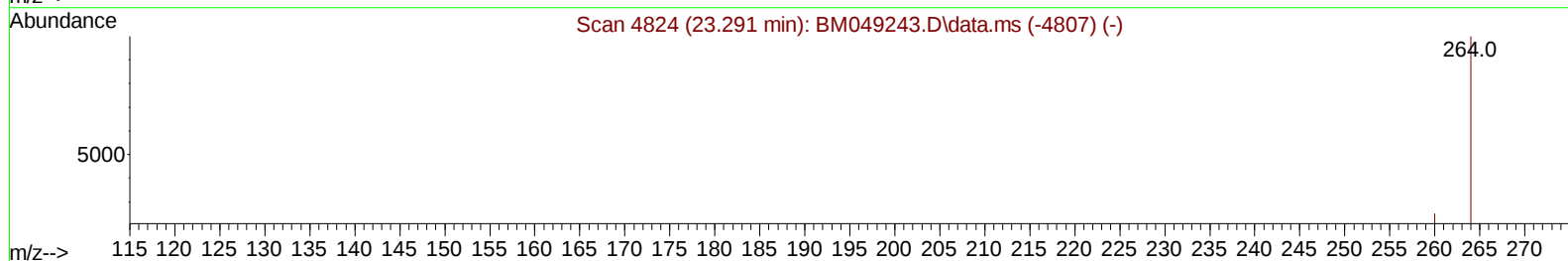
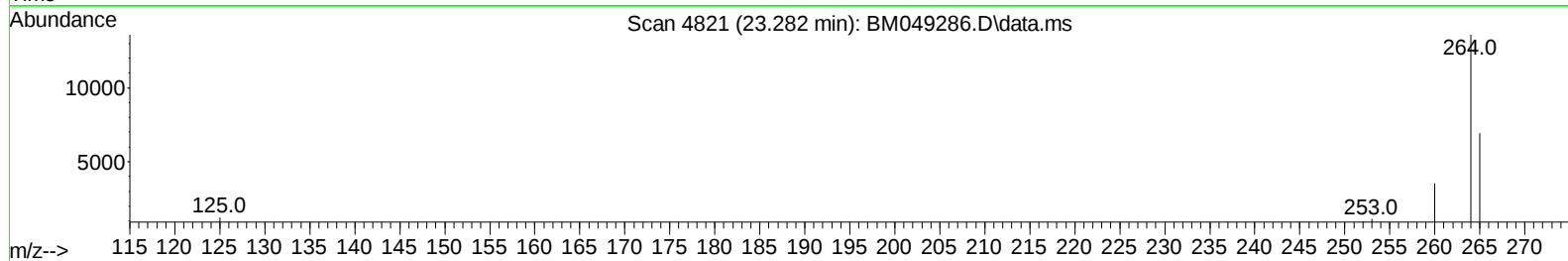
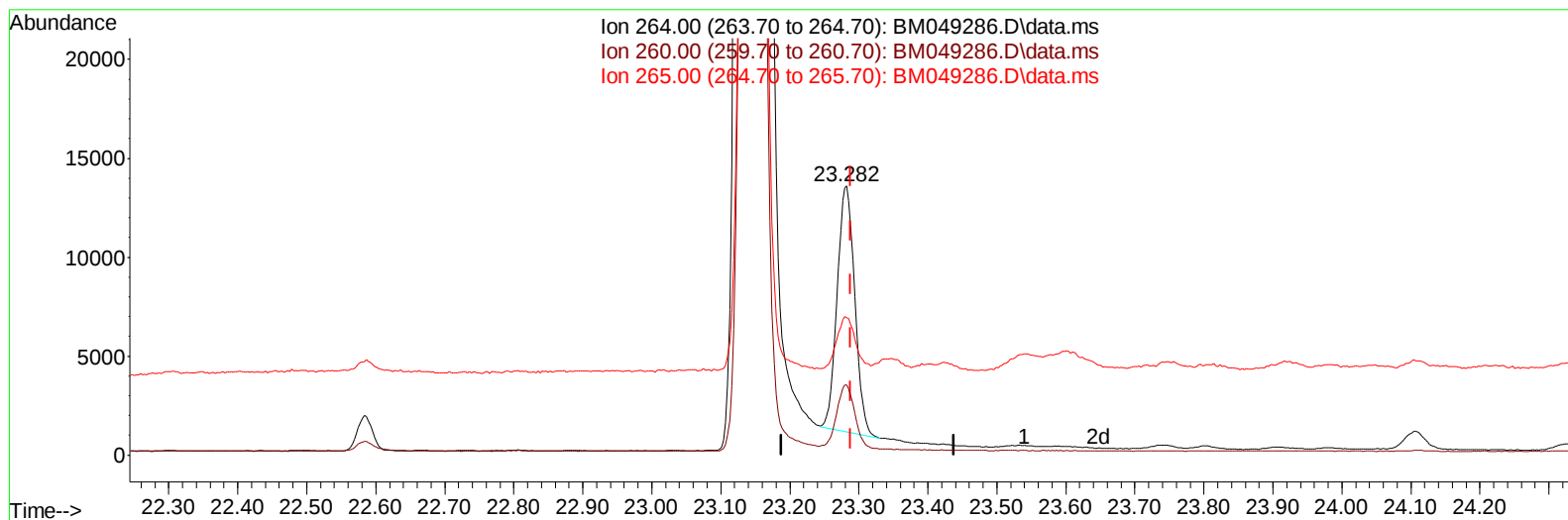
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(23) Perylene-d12 (I)

23.282min (-0.006) 0.40 ng/ul m

response 21982

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.12
265.00	78.30	51.17#
0.00	0.00	0.00

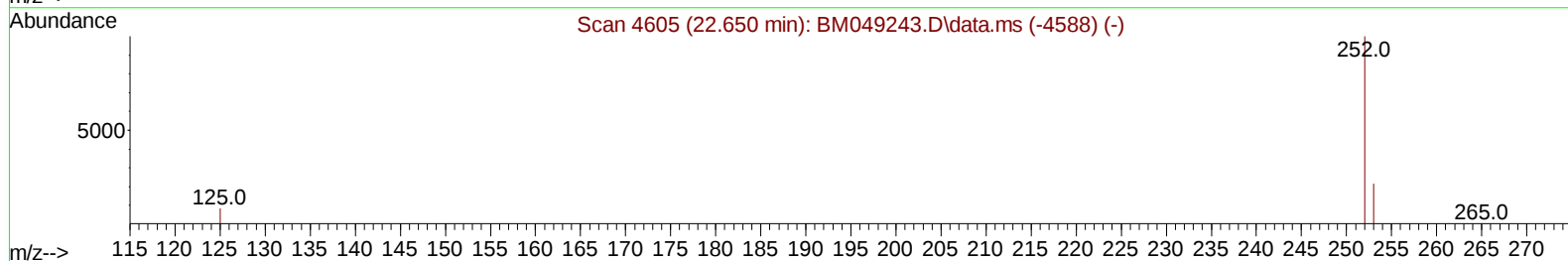
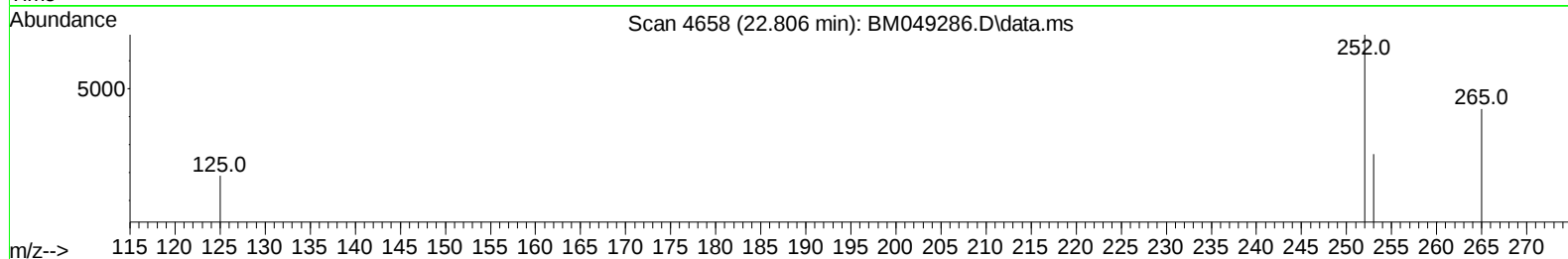
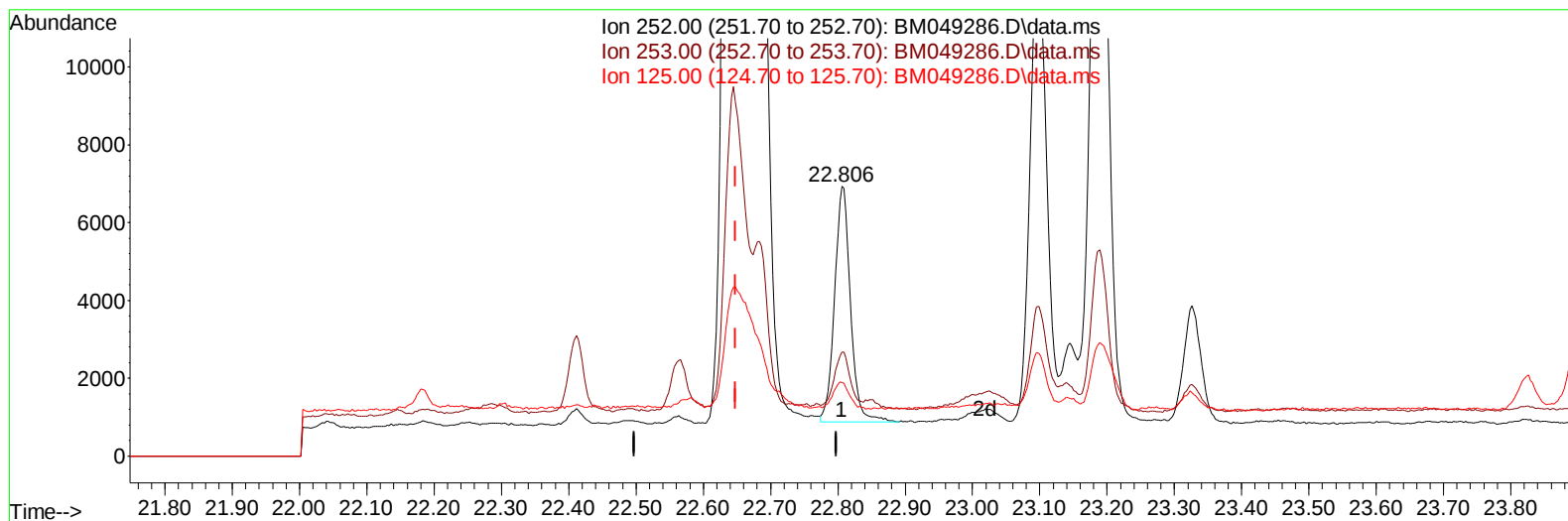
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(24) Benzo(b)fluoranthene

22.806min (+ 0.158) 0.14 ng/u1

response 9911

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	38.51
125.00	15.40	27.19
0.00	0.00	0.00

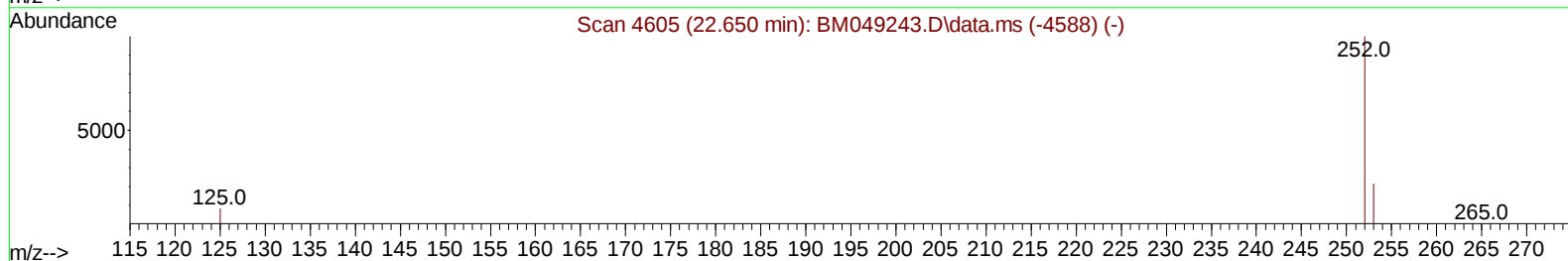
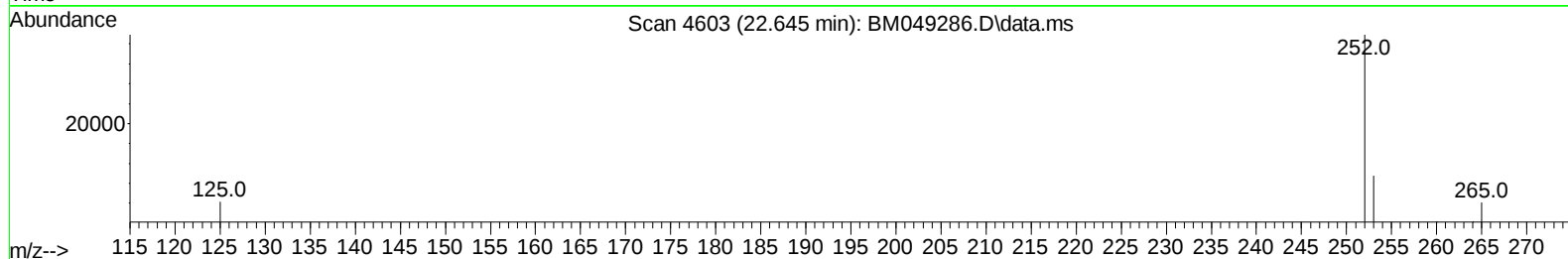
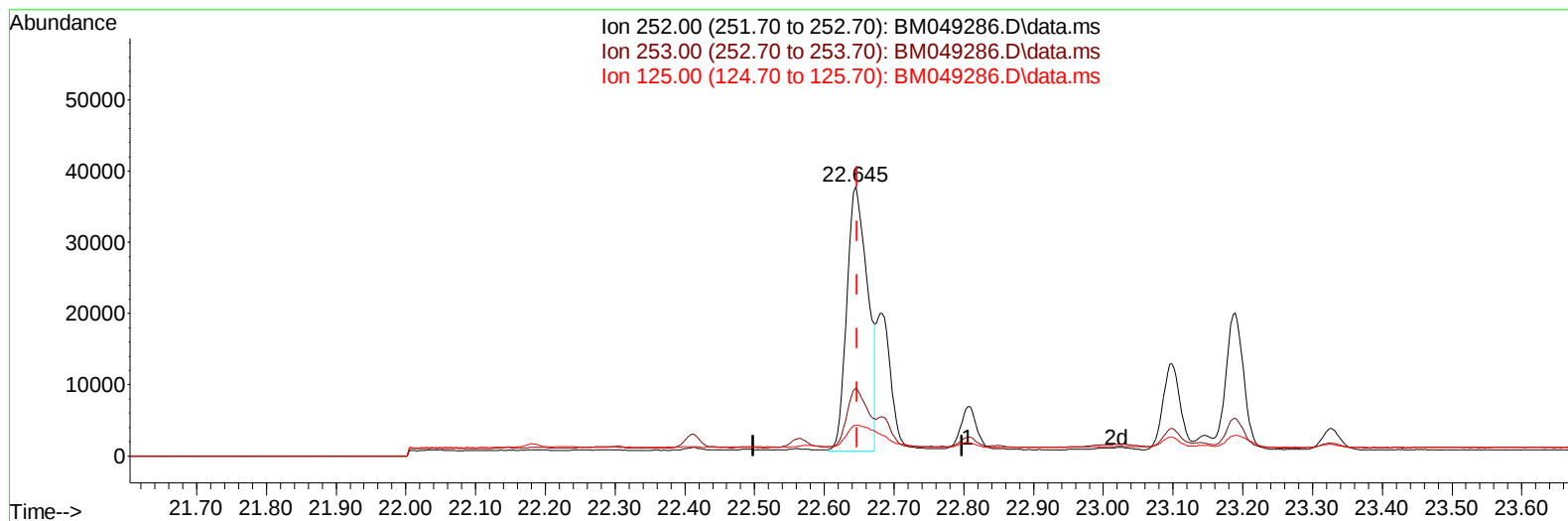
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration



TIC: BM049286.D\data.ms

(24) Benzo(b)fluoranthene

22.645min (-0.003) 1.09 ng/u1 m

response 76697

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	25.09
125.00	15.40	11.46
0.00	0.00	0.00

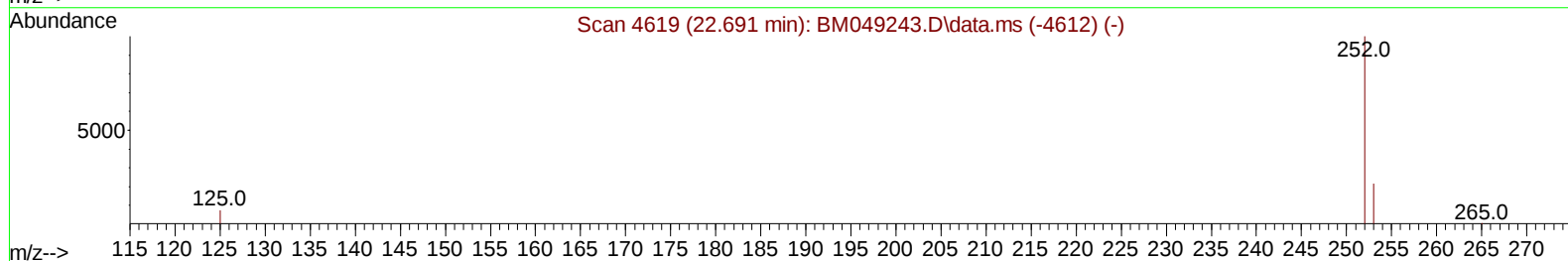
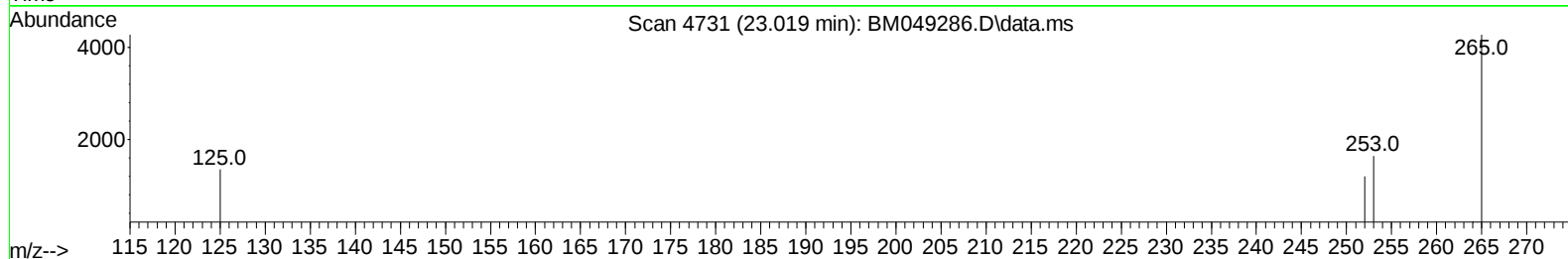
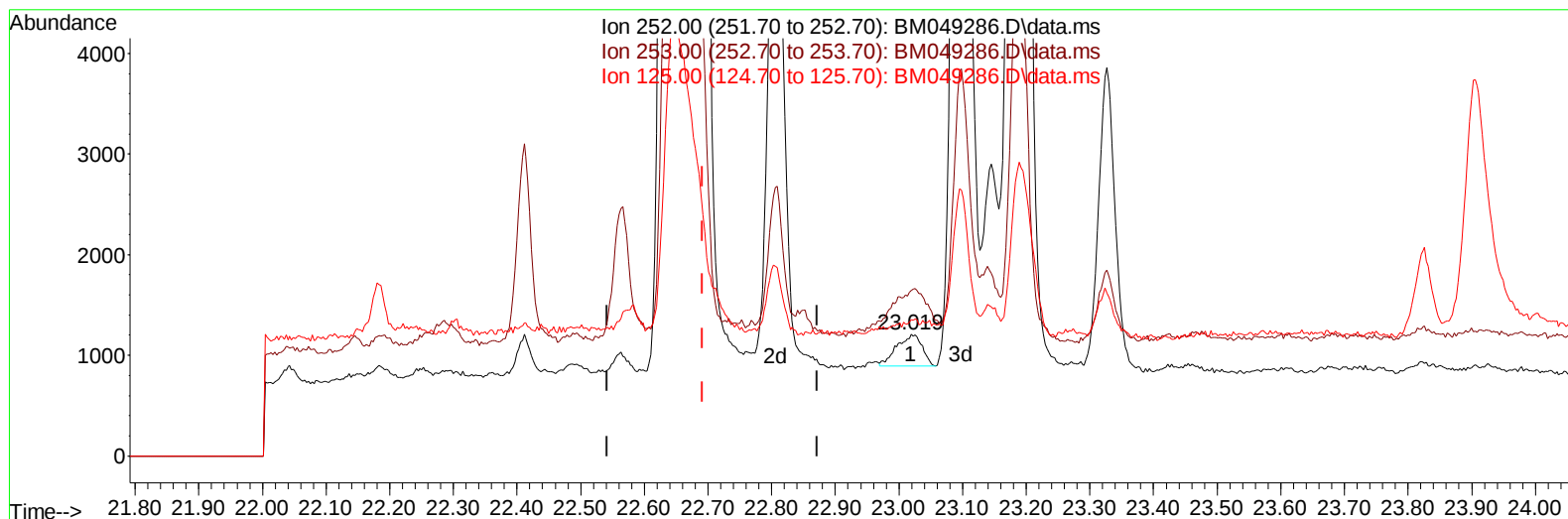
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(25) Benzo(k)fluoranthene

23.019min (+ 0.327) 0.01 ng/u1

response 851

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	136.03#
125.00	15.70	111.82#
0.00	0.00	0.00

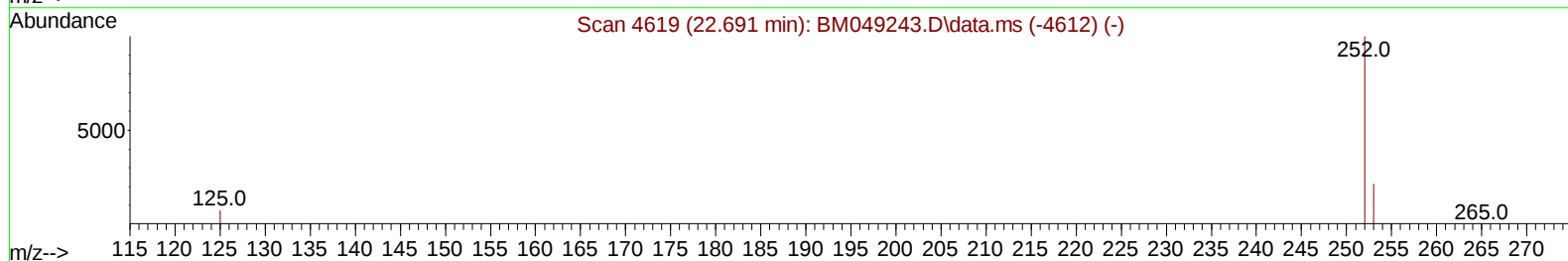
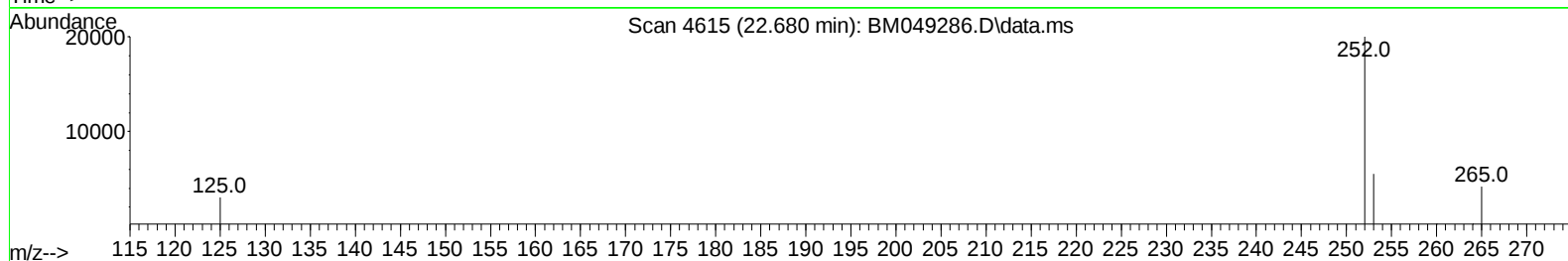
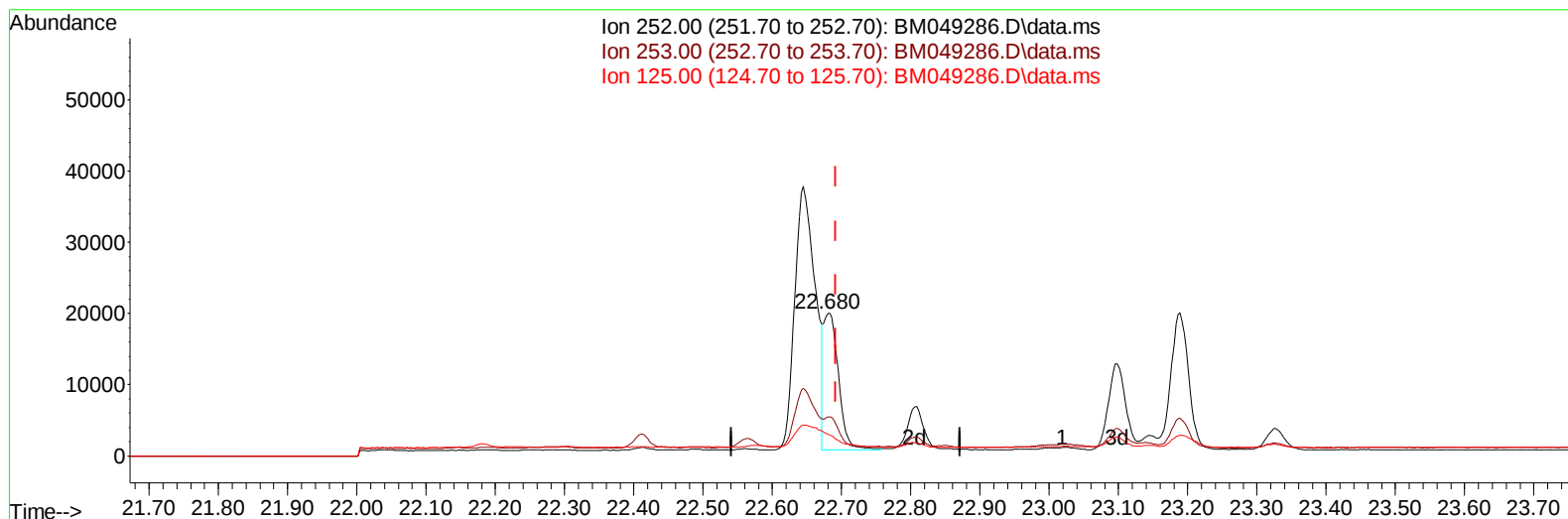
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(25) Benzo(k)fluoranthene

22.680min (-0.012) 0.37 ng/u1 m

response 28554

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	27.51
125.00	15.70	15.27
0.00	0.00	0.00

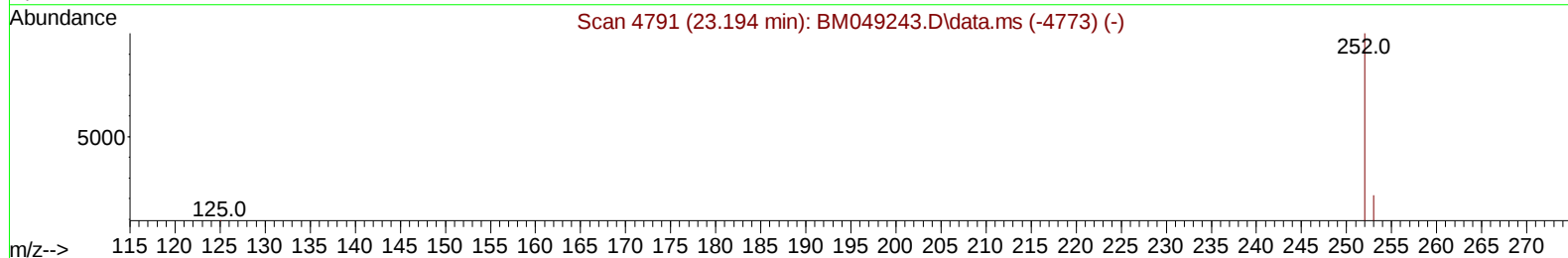
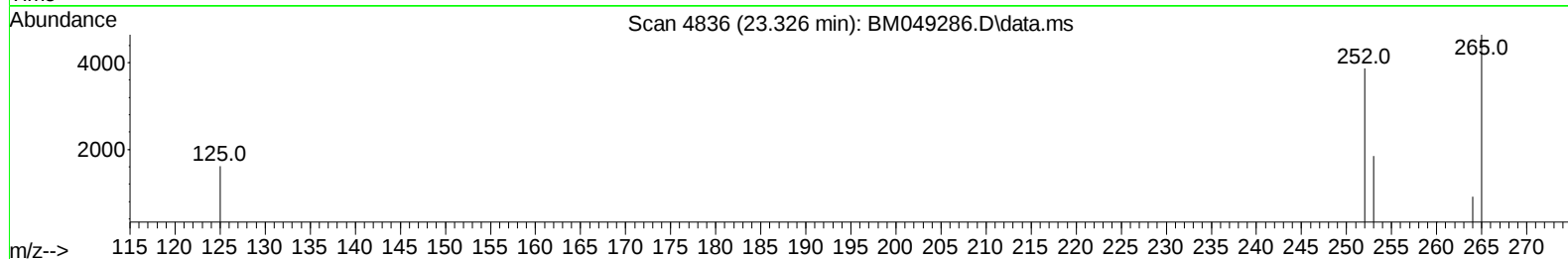
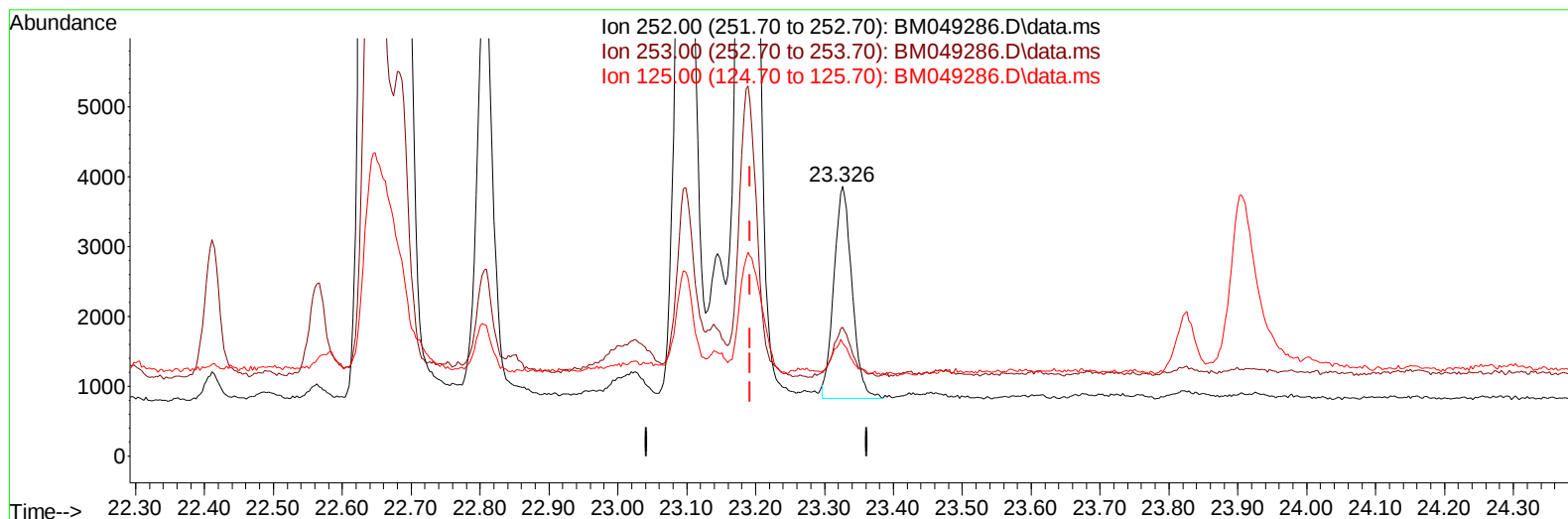
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(26) Benzo(a)pyrene (C)

23.326min (+ 0.134) 0.08 ng/u1

response 5532

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	47.76#
125.00	18.50	41.91#
0.00	0.00	0.00

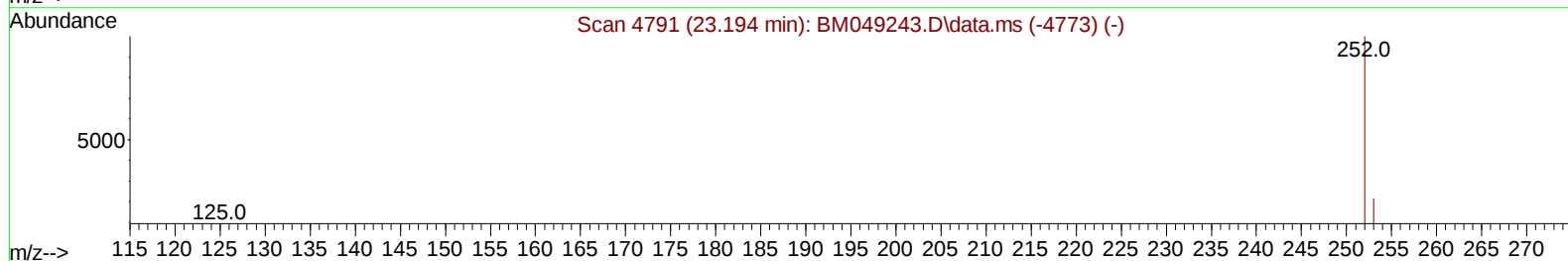
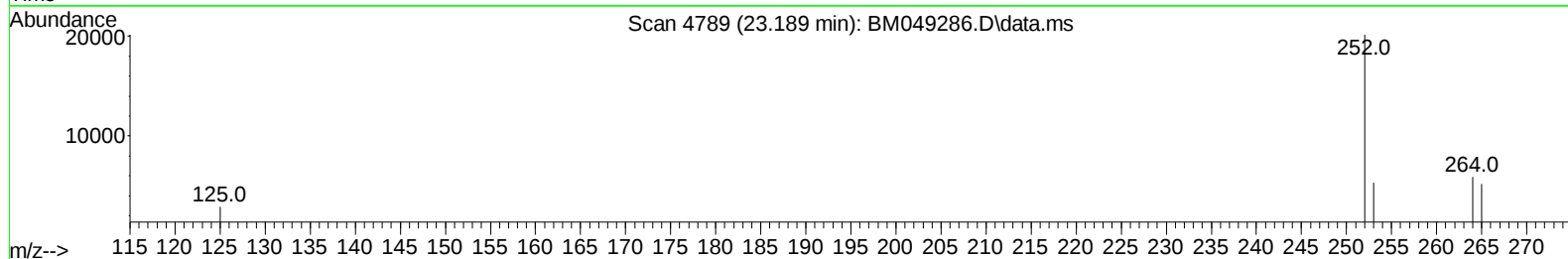
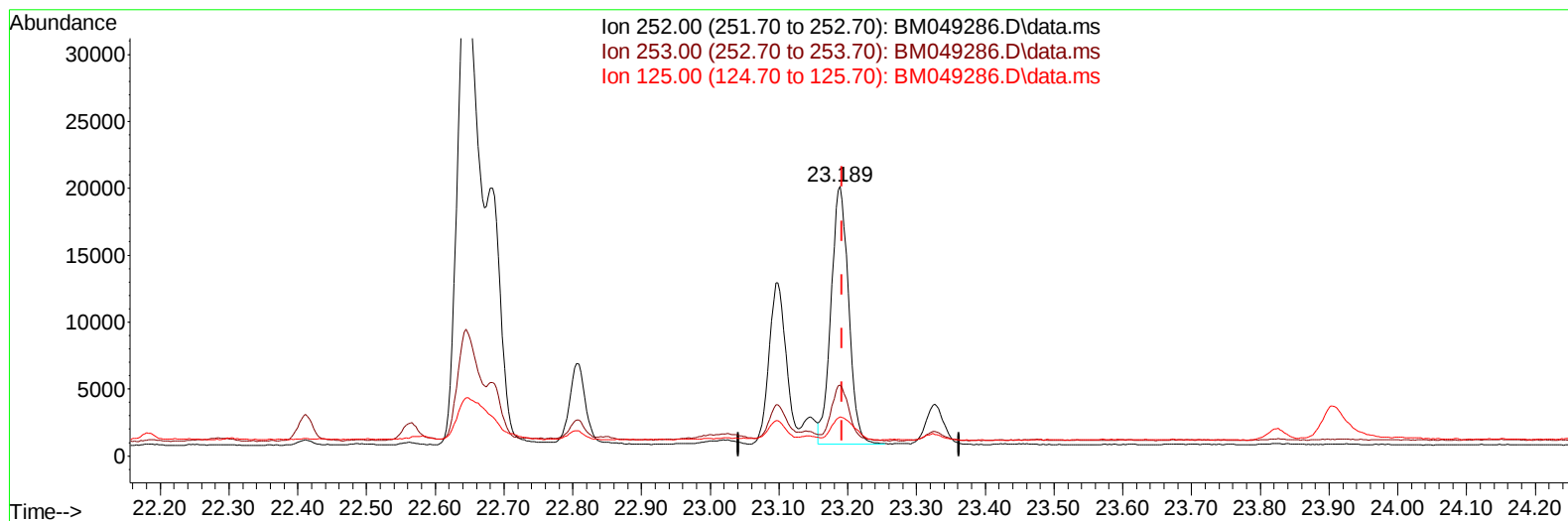
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(26) Benzo(a)pyrene (C)

23.189min (-0.003) 0.51 ng/u1 m

response 34225

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	26.34
125.00	18.50	14.50#
0.00	0.00	0.00

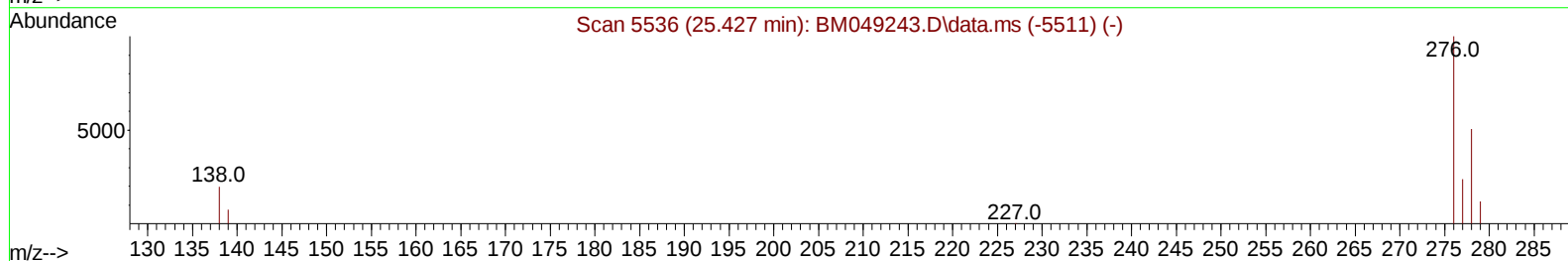
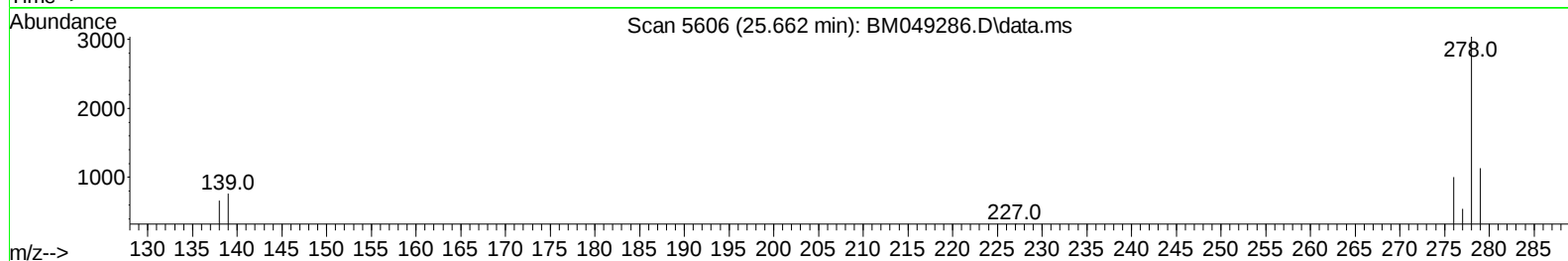
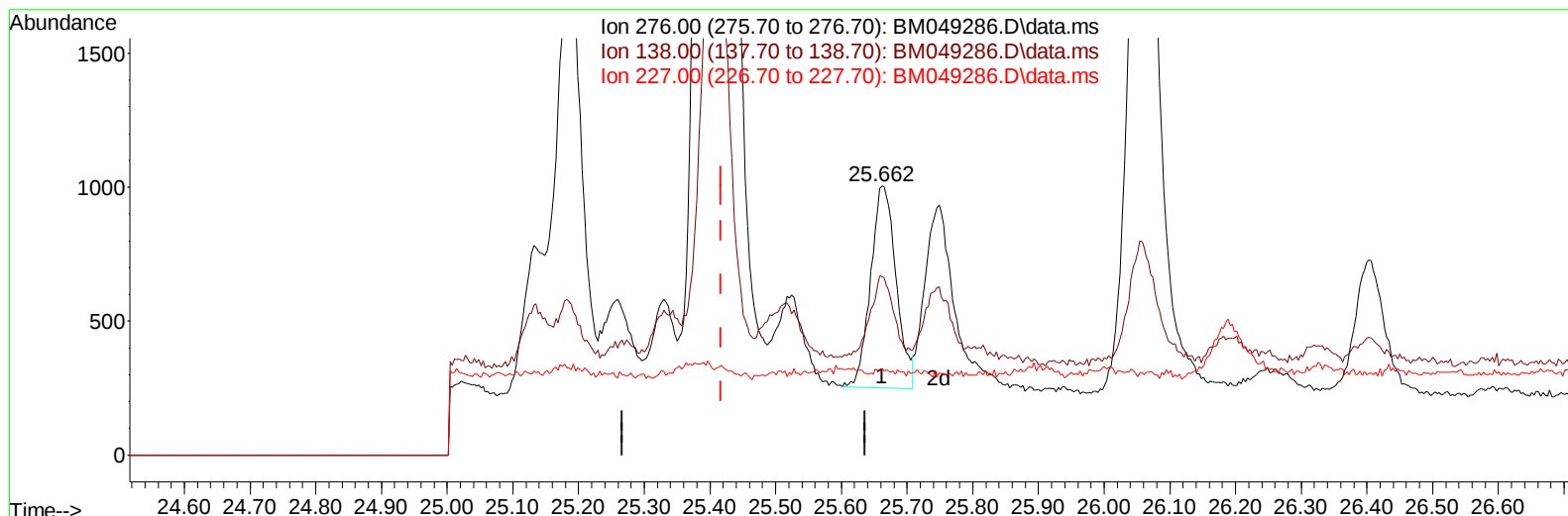
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

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TIC: BM049286.D\data.ms

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

25.662min (+ 0.245) 0.02 ng/u1

response 2033

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	38.02#
227.00	0.20	1.33#
0.00	0.00	0.00

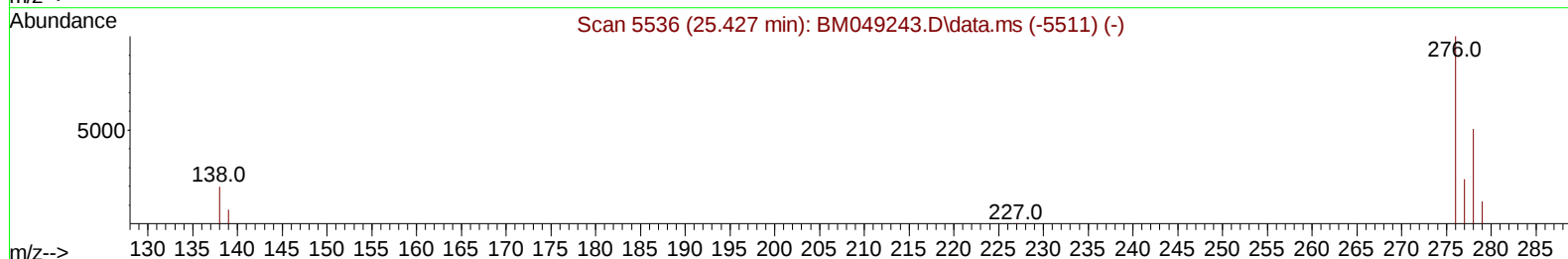
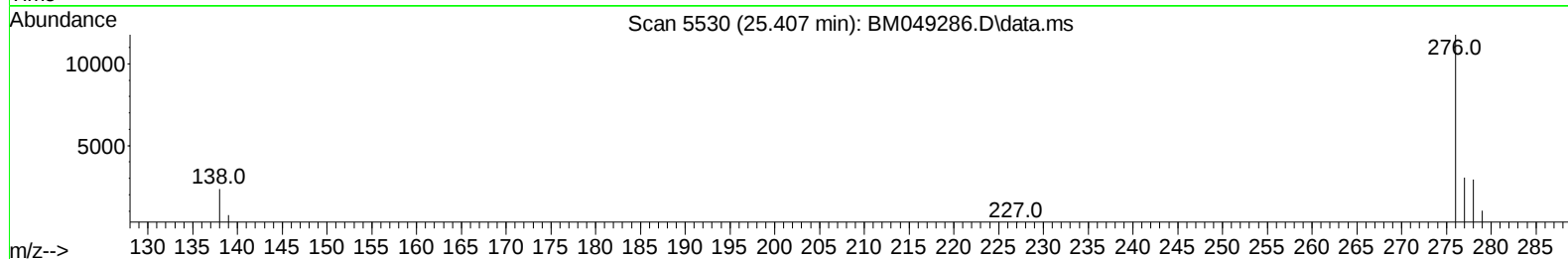
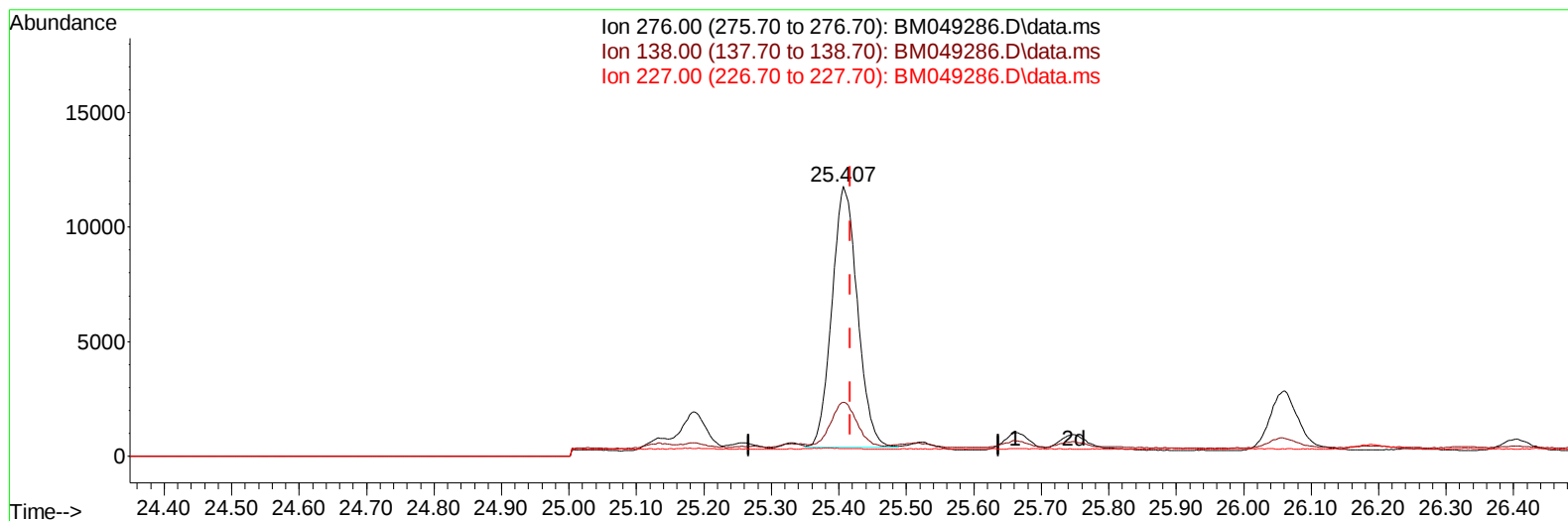
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

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

25.407min (-0.010) 0.31 ng/ul m

response 29948

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	2.58#
227.00	0.20	0.09#
0.00	0.00	0.00

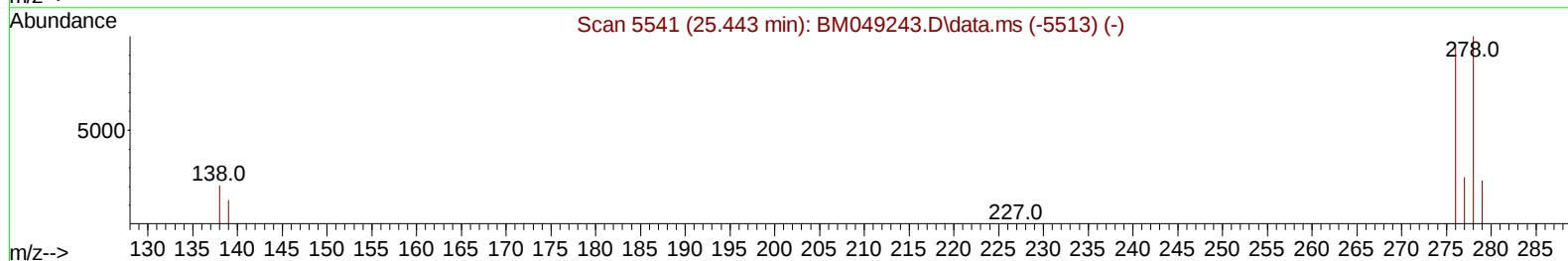
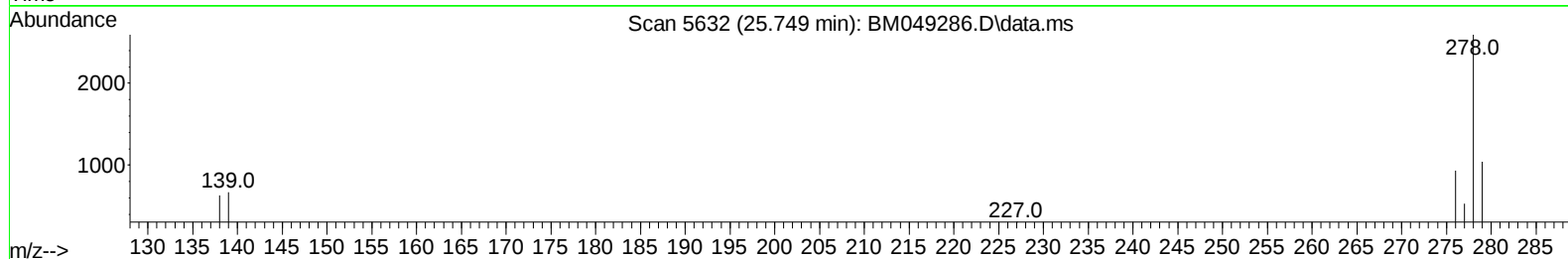
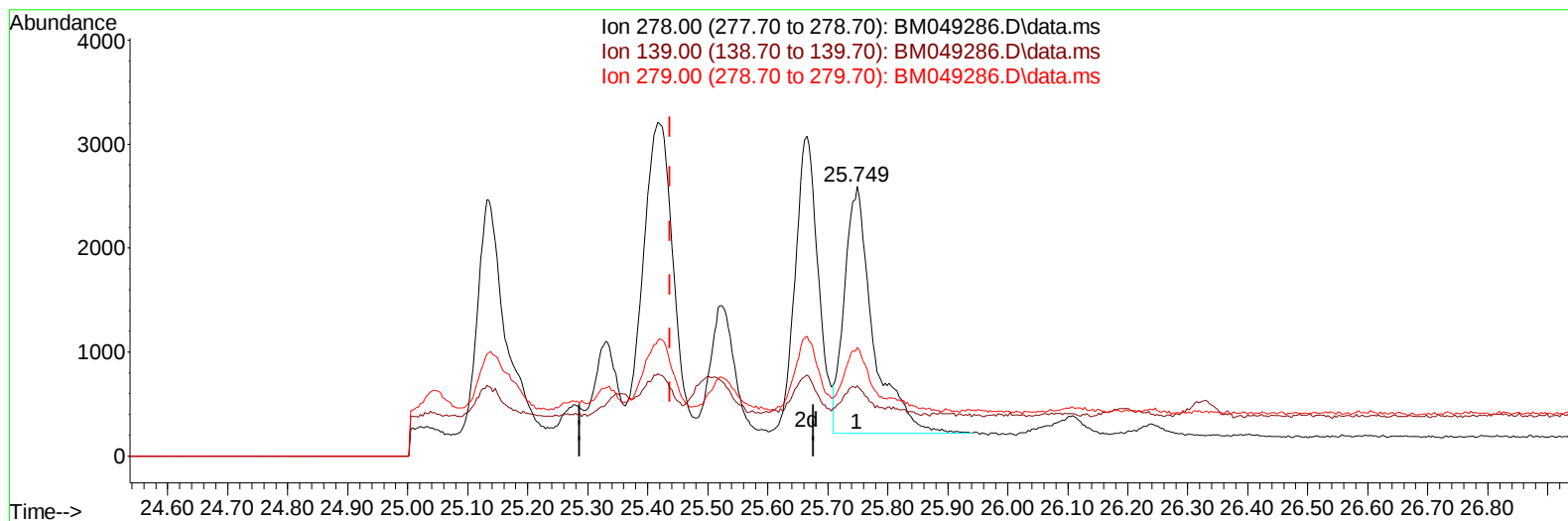
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(28) Dibenzo(a,h)anthracene

25.749min (+ 0.312) 0.11 ng/u1

response 7956

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	26.00#
279.00	26.90	40.24#
0.00	0.00	0.00

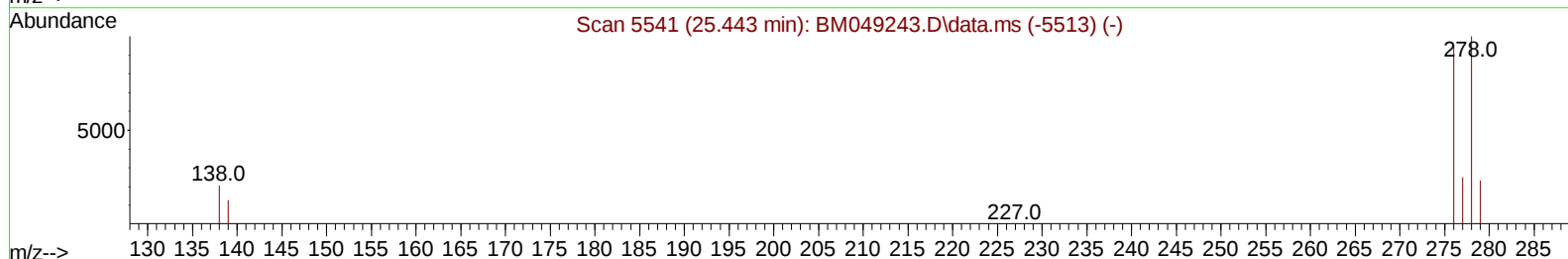
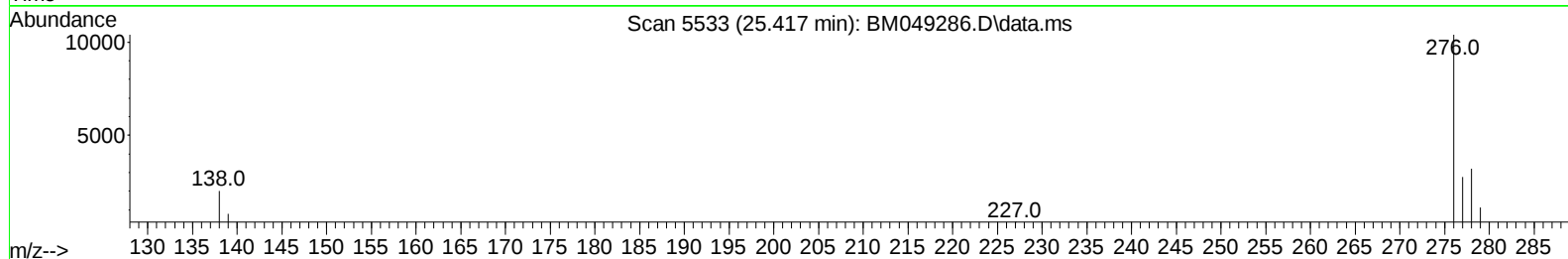
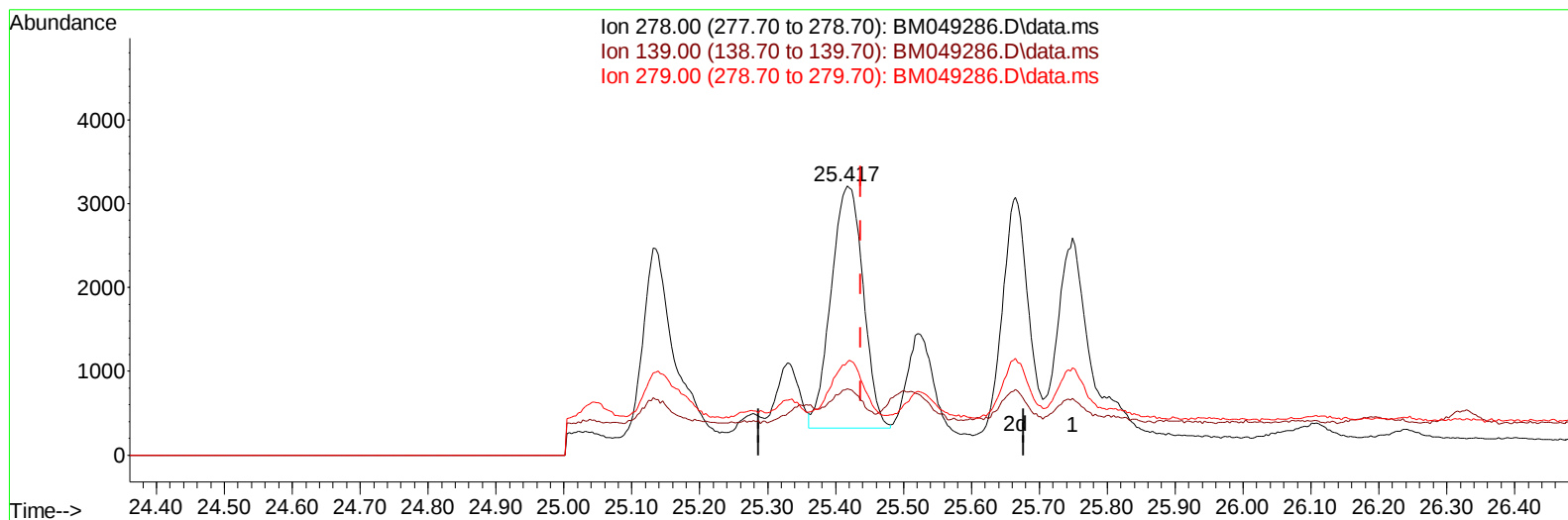
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

(28) Dibenzo(a,h)anthracene

25.417min (-0.020) 0.13 ng/u1 m

response 9490

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	24.65#
279.00	26.90	34.56#
0.00	0.00	0.00

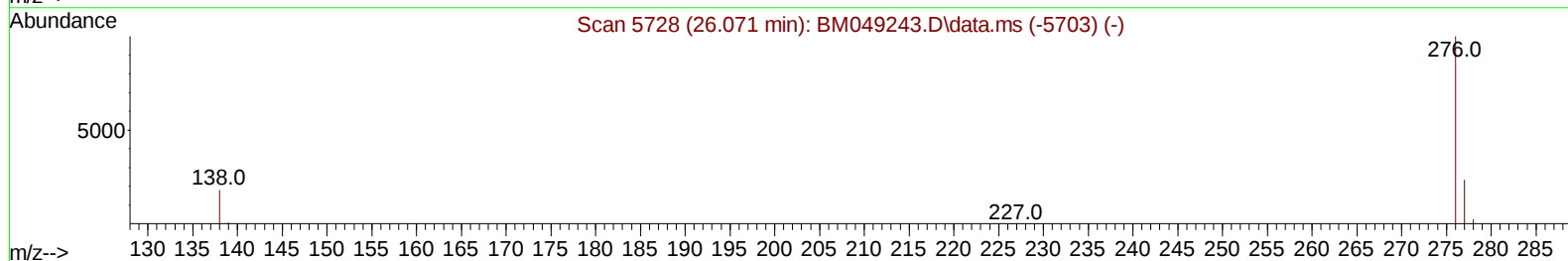
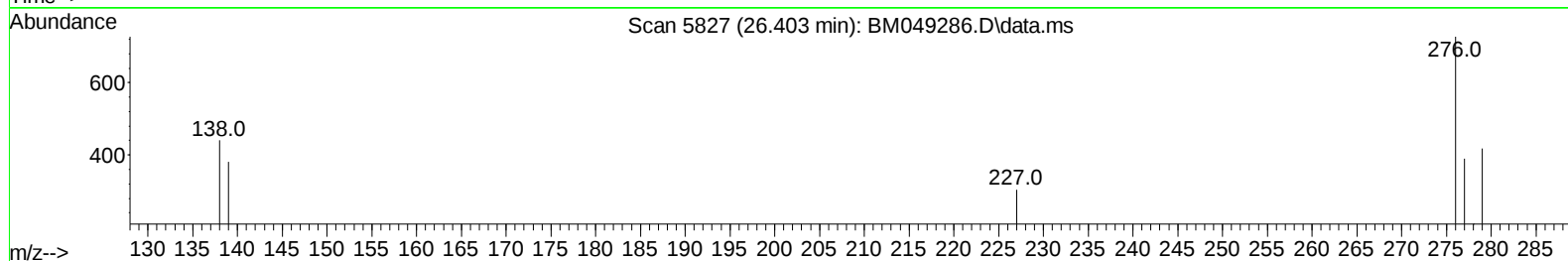
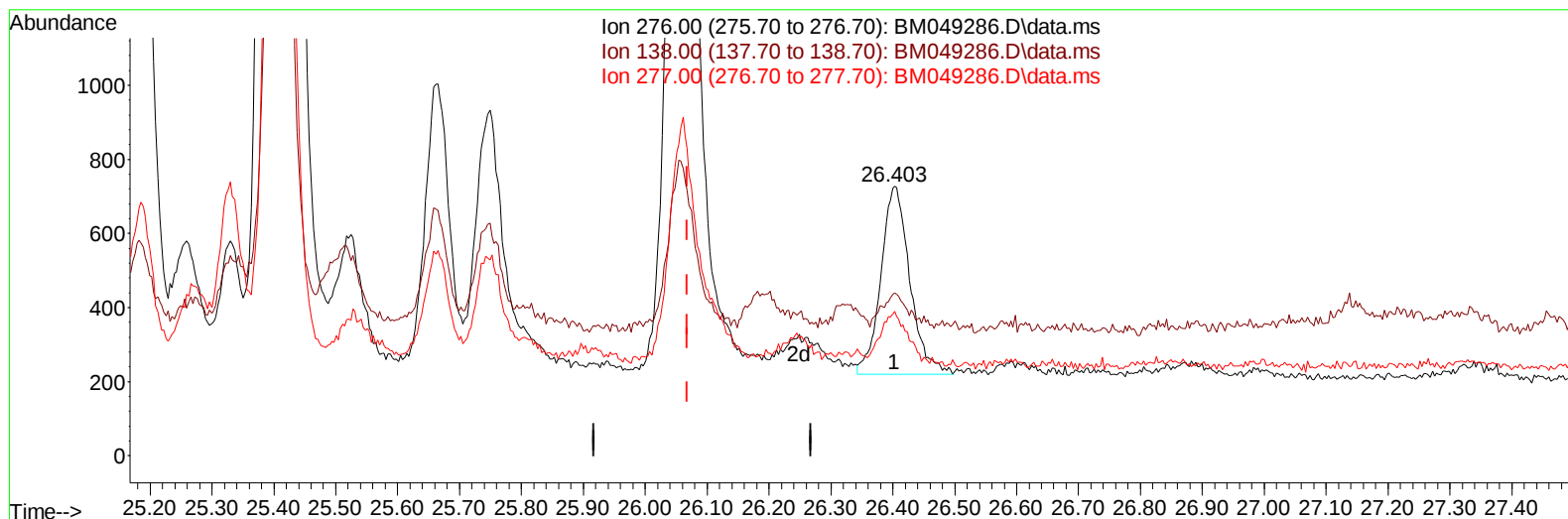
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Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

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

26.403min (+ 0.335) 0.02 ng/u1

response 1640

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	60.52#
277.00	24.90	53.65#
0.00	0.00	0.00

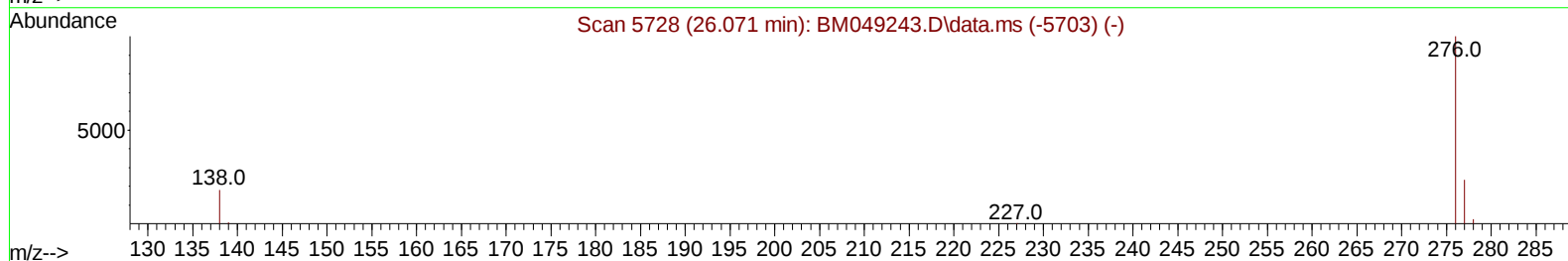
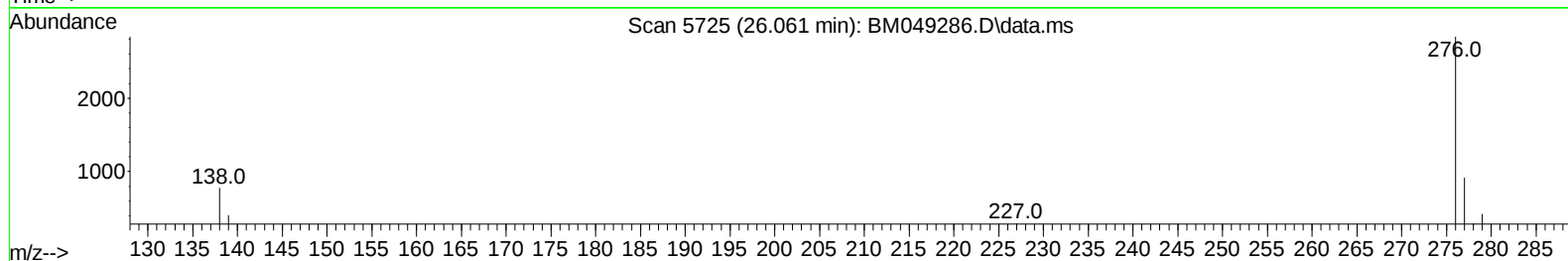
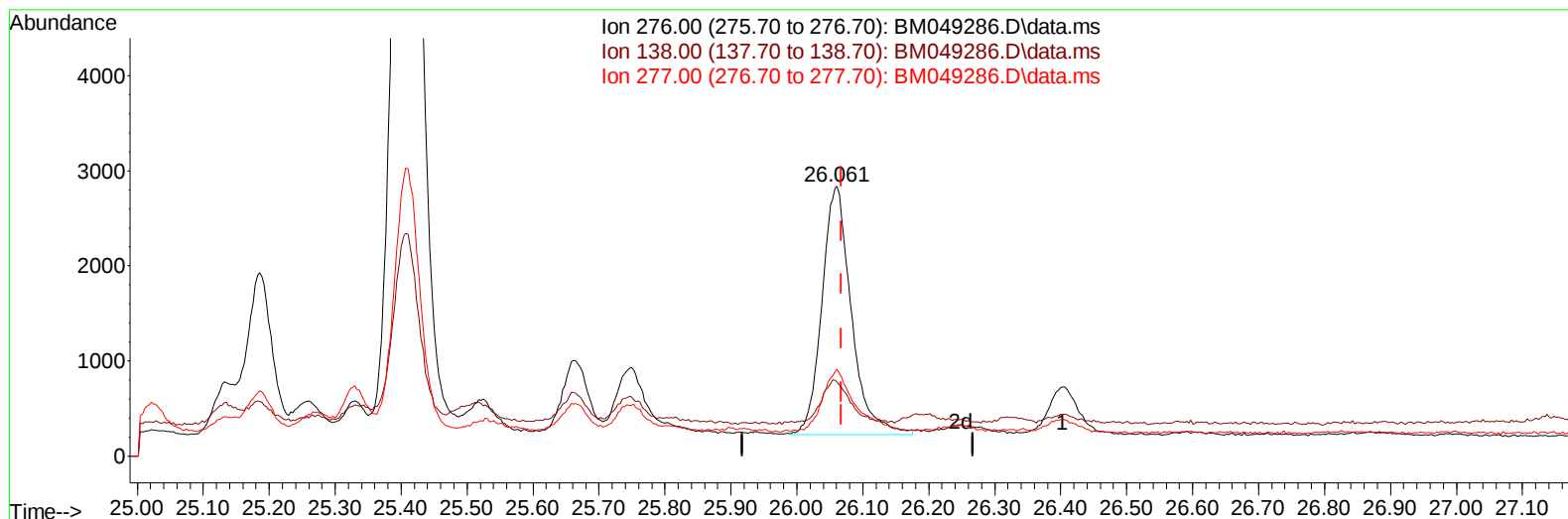
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049286.D
Acq On : 28 Dec 2024 10:57
Operator : RC/JU
Sample : P5351-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2924

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/30/2024



TIC: BM049286.D\data.ms

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

26.061min (-0.007) 0.10 ng/ul m

response 8041

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	27.36#
277.00	24.90	32.26#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
 Data File : BM049286.D
 Acq On : 28 Dec 2024 10:57
 Operator : RC/JU
 Sample : P5351-02
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2924

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 29 21:56:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 26 11:35:38 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.539	152		5906	0.400	ng/ul	0.00
4) Naphthalene-d8	10.297	136		18826	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.177	164		11105	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.925	188		25948m	0.400	ng/ul	0.00
17) Chrysene-d12	21.129	240		22713m	0.400	ng/ul	0.00
23) Perylene-d12	23.282	264		21982m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.138	96		25572	3.754	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.897	152		6655	0.263	ng/ul	-0.01
18) Fluoranthene-d10	18.964	212		16916m	0.262	ng/ul	0.00
Target Compounds							Qvalue
5) Naphthalene	10.347	128		1647	0.035	ng/ul#	80
7) 2-Methylnaphthalene	11.974	142		983	0.033	ng/ul	99
8) 1-Methylnaphthalene	12.194	142		1195	0.039	ng/ul	97
10) Acenaphthylene	13.895	152		1170	0.025	ng/ul#	70
11) Acenaphthene	14.237	153		1910	0.057	ng/ul	97
12) Fluorene	15.232	166		2501	0.066	ng/ul#	97
15) Phenanthrene	16.967	178		52400m	0.773	ng/ul	
16) Anthracene	17.060	178		12571m	0.202	ng/ul	
19) Fluoranthene	18.991	202		125329m	1.526	ng/ul	
20) Pyrene	19.359	202		93194m	1.064	ng/ul	
21) Benzo(a)anthracene	21.114	228		59364m	0.751	ng/ul	
22) Chrysene	21.167	228		55564m	0.655	ng/ul	
24) Benzo(b)fluoranthene	22.645	252		76697m	1.092	ng/ul	
25) Benzo(k)fluoranthene	22.680	252		28554m	0.371	ng/ul	
26) Benzo(a)pyrene	23.189	252		34225m	0.508	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.407	276		29948m	0.314	ng/ul	
28) Dibenzo(a,h)anthracene	25.417	278		9490m	0.128	ng/ul	
29) Benzo(g,h,i)perylene	26.061	276		8041m	0.105	ng/ul	

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

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